

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040519\
 Data File : VX008686.D
 Acq On : 05 Apr 2019 17:00
 Operator : JC/SP
 Sample : VX0405WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 9:49:53 AM

Quant Time: Apr 06 02:20:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	178509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	296669	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	264315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123181	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	125902	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
35) Dibromofluoromethane	5.50	113	93107	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	8.71	98	376896	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.13	95	137847	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	37271	18.139	ug/l	98
3) Chloromethane	1.32	50	52881	19.985	ug/l	99
4) Vinyl Chloride	1.40	62	50934	18.337	ug/l	99
5) Bromomethane	1.64	94	23697	18.551	ug/l	100
6) Chloroethane	1.72	64	32277	19.426	ug/l	99
7) Trichlorofluoromethane	1.93	101	57965	18.878	ug/l	98
8) Diethyl Ether	2.19	74	27655	18.992	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	36778	18.604	ug/l	99
10) Methyl Iodide	2.51	142	25795	17.183	ug/l	98
11) Tert butyl alcohol	3.04	59	59132	97.009	ug/l	99
12) 1,1-Dichloroethene	2.37	96	37251	18.050	ug/l	97
13) Acrolein	2.29	56	44456	147.085	ug/l	100
14) Allyl chloride	2.73	41	88642	18.763	ug/l	99
15) Acrylonitrile	3.14	53	150250	93.046	ug/l	99
16) Acetone	2.44	43	139983	93.345	ug/l	99
17) Carbon Disulfide	2.57	76	110680	18.100	ug/l	98
18) Methyl Acetate	2.77	43	66590	18.309	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	143312	19.445	ug/l	97
20) Methylene Chloride	2.85	84	45592	18.163	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	40825	18.289	ug/l	95
22) Diisopropyl ether	3.85	45	173063	19.006	ug/l	91
23) Vinyl Acetate	3.81	43	766428	96.754	ug/l	99
24) 1,1-Dichloroethane	3.70	63	85205	18.899	ug/l	99
25) 2-Butanone	4.67	43	225674	95.213	ug/l	100
26) 2,2-Dichloropropane	4.58	77	59543	18.752	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	47445	18.487	ug/l	100
28) Bromochloromethane	5.01	49	40959	19.929	ug/l	100
29) Tetrahydrofuran	5.13	42	147081	93.494	ug/l	100
30) Chloroform	5.21	83	76897	19.097	ug/l	100
31) Cyclohexane	5.58	56	82415	18.320	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	61526	18.908	ug/l	99
36) 1,1-Dichloropropene	5.80	75	59673	18.401	ug/l	99
37) Ethyl Acetate	4.83	43	83596	19.313	ug/l	98
38) Carbon Tetrachloride	5.78	117	50882	18.957	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	73945	18.458	ug/l	99
40) Benzene	6.14	78	182225	18.862	ug/l	99
41) Methacrylonitrile	5.04	41	47281	19.003	ug/l	99
42) 1,2-Dichloroethane	6.19	62	65960	19.045	ug/l	99
43) Isopropyl Acetate	6.45	43	131072	19.330	ug/l	100
44) Trichloroethene	7.21	130	42281	18.791	ug/l	96
45) 1,2-Dichloropropane	7.51	63	52551	19.058	ug/l	98
46) Dibromomethane	7.66	93	29139	18.220	ug/l	99
47) Bromodichloromethane	7.90	83	57177	18.961	ug/l	98
48) Methyl methacrylate	7.77	41	65688	19.151	ug/l	98
49) 1,4-Dioxane	7.74	88	25690	399.818	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	430184	98.553	ug/l	100
52) Toluene	8.78	92	109881	19.292	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	64731	19.164	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	72564	18.801	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	43980	19.237	ug/l	98
56) Ethyl methacrylate	9.18	69	82651	19.980	ug/l	99
57) 1,3-Dichloropropane	9.37	76	79915	19.466	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	203141	96.174	ug/l	100
59) 2-Hexanone	9.49	43	336059	99.067	ug/l	100
60) Dibromochloromethane	9.58	129	42202	19.589	ug/l	99
61) 1,2-Dibromoethane	9.67	107	45474	19.106	ug/l	97
64) Tetrachloroethene	9.34	164	36807	18.795	ug/l	97
65) Chlorobenzene	10.13	112	111883	19.096	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	39191	19.067	ug/l	99
67) Ethyl Benzene	10.25	91	208158	19.053	ug/l	100
68) m/p-Xylenes	10.36	106	152204	38.747	ug/l	99
69) o-Xylene	10.69	106	74042	19.450	ug/l	99
70) Styrene	10.71	104	128921	19.646	ug/l	100
71) Bromoform	10.85	173	30141	19.200	ug/l #	98
73) Isopropylbenzene	11.02	105	196424	19.241	ug/l	100
74) N-amyl acetate	10.90	43	117417	19.550	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	74105	19.087	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	63779m	18.848	ug/l	
77) Bromobenzene	11.26	156	47915	19.524	ug/l	97
78) n-propylbenzene	11.36	91	225720	18.990	ug/l	100
79) 2-Chlorotoluene	11.42	91	136832	19.023	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	166435	19.423	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	22632	18.436	ug/l	96
82) 4-Chlorotoluene	11.51	91	155429	18.667	ug/l	98
83) tert-Butylbenzene	11.77	119	157236	19.073	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	168322	19.399	ug/l	100
85) sec-Butylbenzene	11.94	105	190788	19.483	ug/l	99
86) p-Isopropyltoluene	12.06	119	170275	19.373	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	83576	19.023	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	82897	18.634	ug/l	98
89) n-Butylbenzene	12.38	91	157197	19.071	ug/l	99
90) Hexachloroethane	12.60	117	27052	18.557	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	84141	19.289	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15772	18.467	ug/l	99

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ClientSampleId :
VX0405WBS02

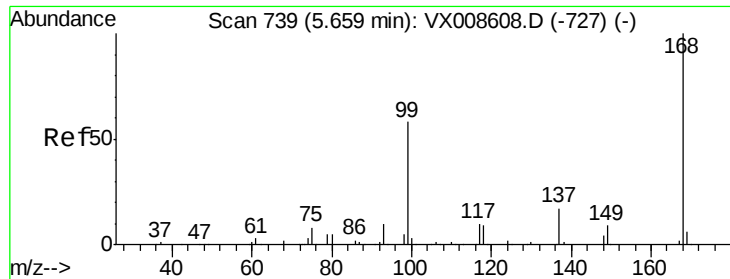
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	58114	19.161	ug/l	99
94) Hexachlorobutadiene	13.78	225	28566	19.639	ug/l	100
95) Naphthalene	13.83	128	194020	19.140	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	57985	19.135	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBS02

Tgt Ion: 168 Resp: 178509

Ion Ratio Lower Upper

168 100

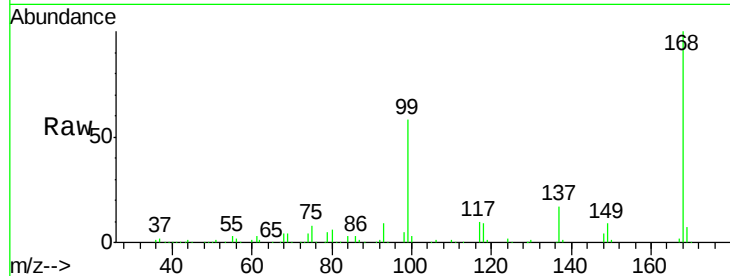
99 57.8 46.7 70.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

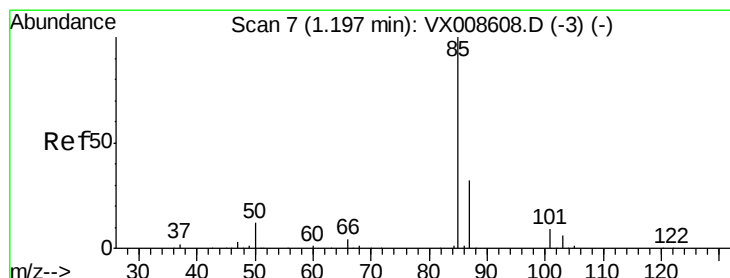
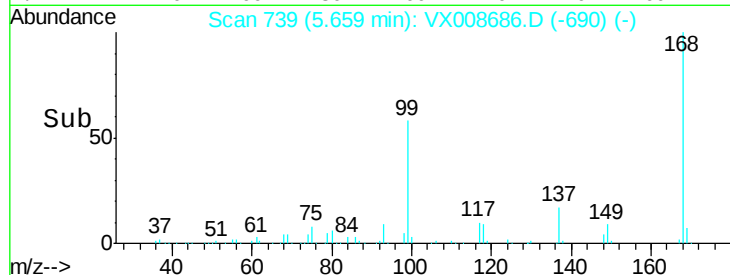
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.139 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008686.D

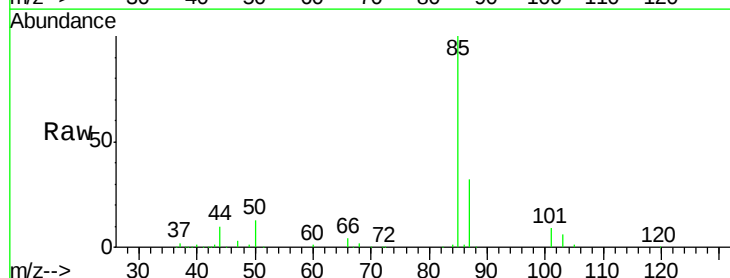
Acq: 05 Apr 2019 17:00

Tgt Ion: 85 Resp: 37271

Ion Ratio Lower Upper

85 100

87 32.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

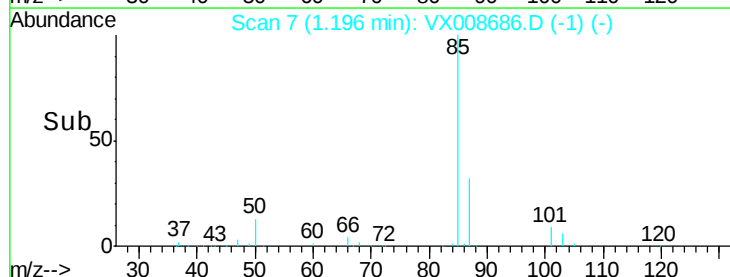
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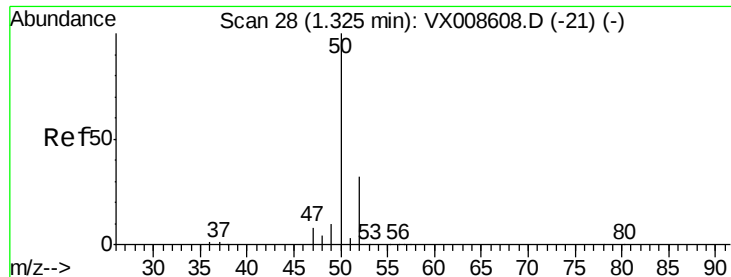
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.985 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBS02

Tgt Ion: 50 Resp: 52881

Ion Ratio Lower Upper

50 100

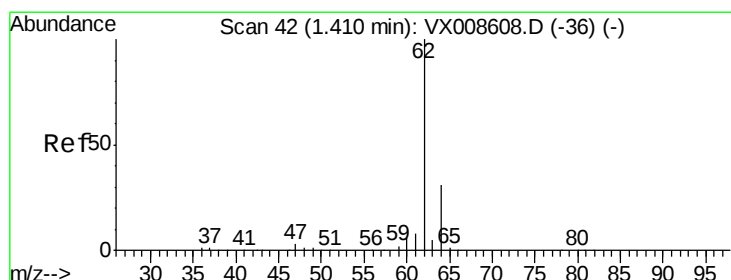
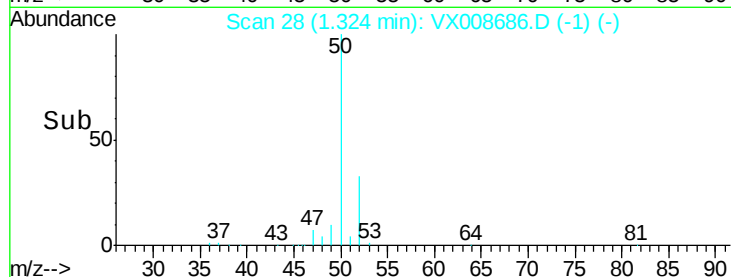
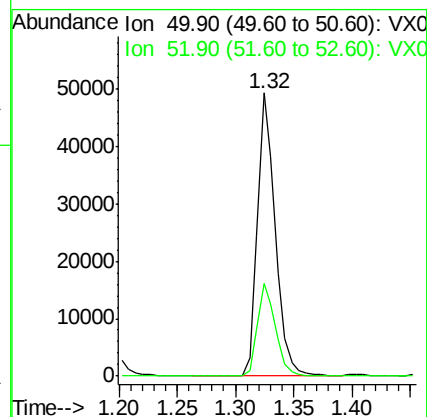
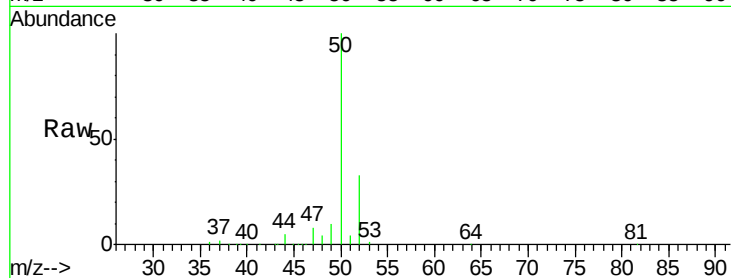
52 32.8 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.337 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008686.D

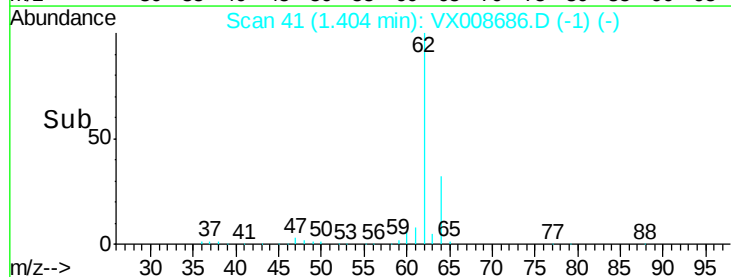
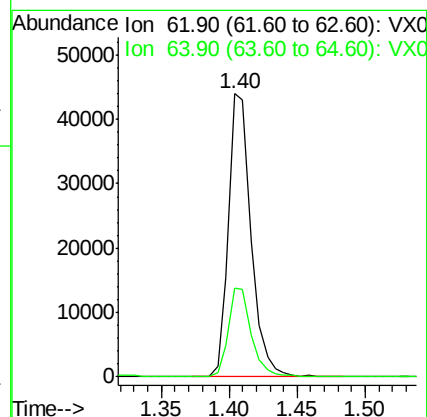
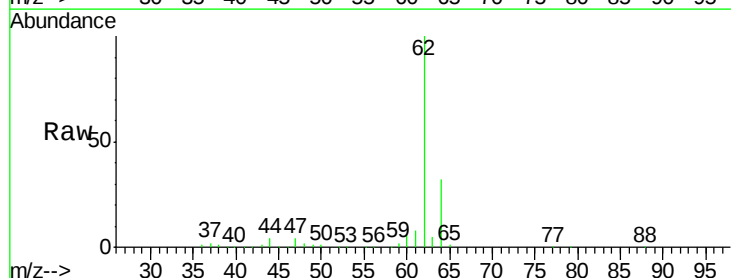
Acq: 05 Apr 2019 17:00

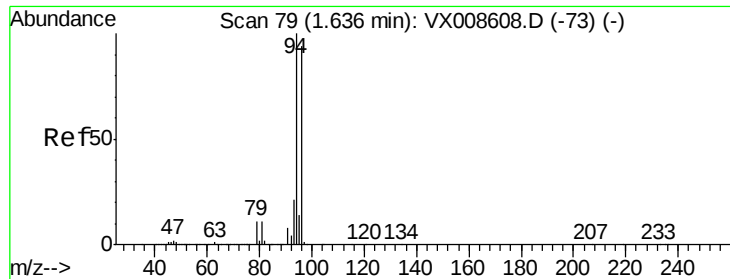
Tgt Ion: 62 Resp: 50934

Ion Ratio Lower Upper

62 100

64 31.4 24.7 37.1





#5

Bromomethane

Concen: 18.551 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBS02

Tgt Ion: 94 Resp: 23697

Ion Ratio Lower Upper

94 100

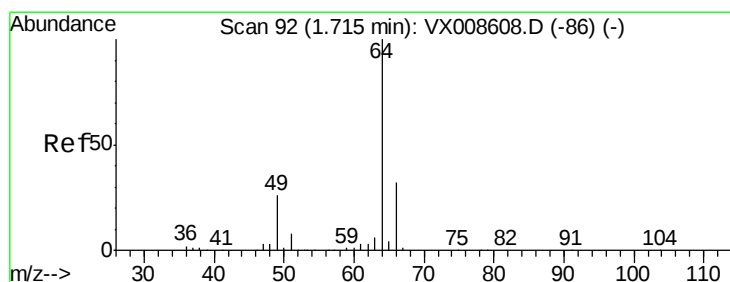
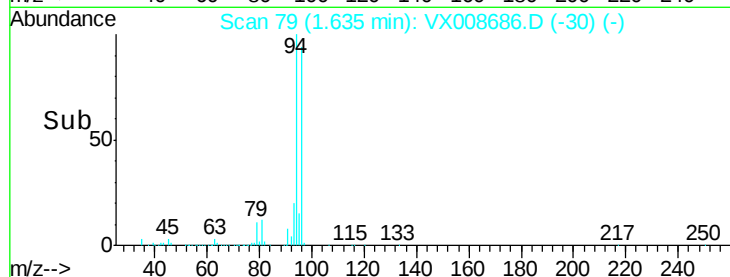
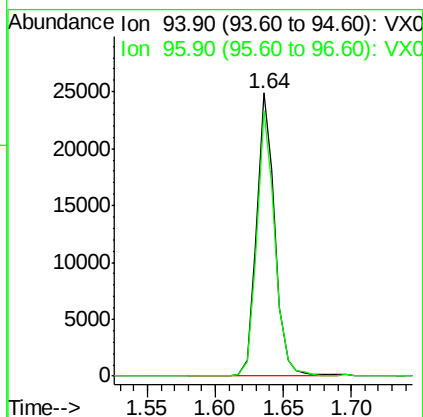
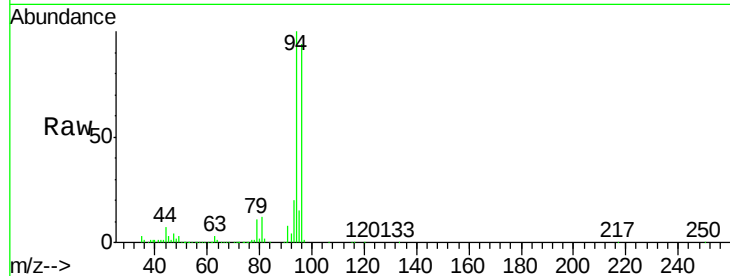
96 93.8 75.2 112.8

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4/8/2019 9:49:53 AM



#6

Chloroethane

Concen: 19.426 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008686.D

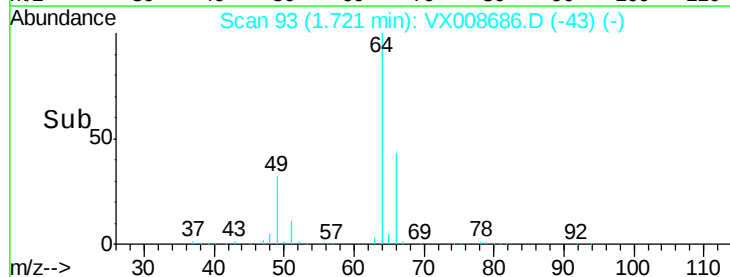
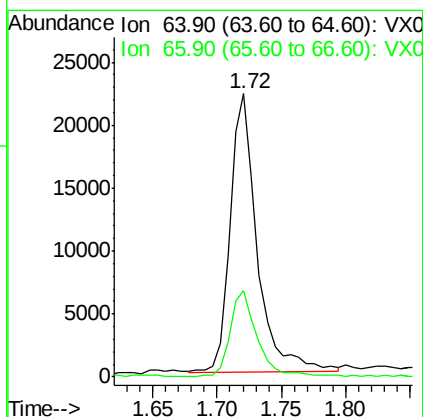
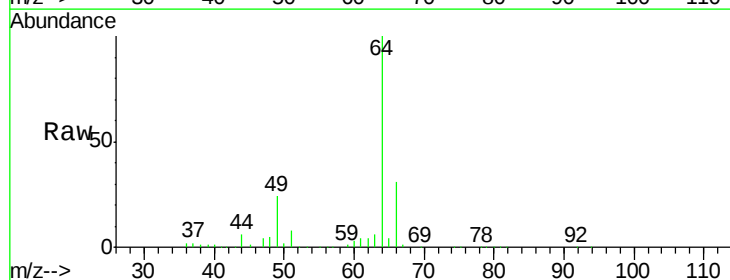
Acq: 05 Apr 2019 17:00

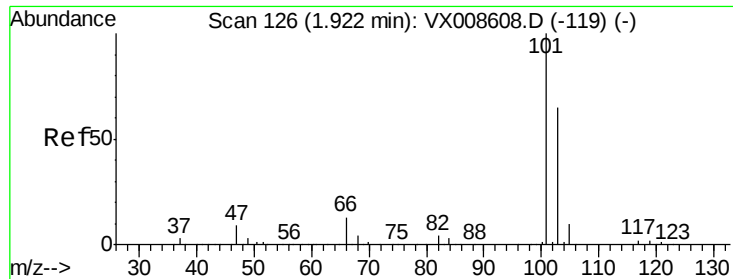
Tgt Ion: 64 Resp: 32277

Ion Ratio Lower Upper

64 100

66 31.4 25.4 38.0





#7

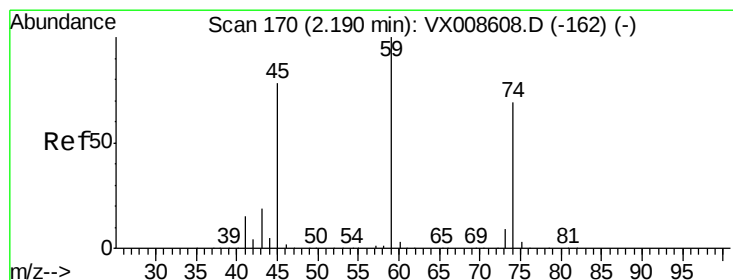
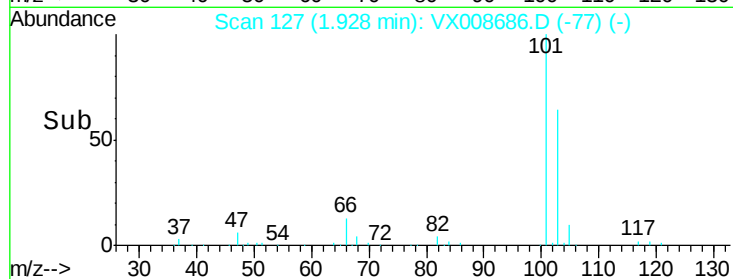
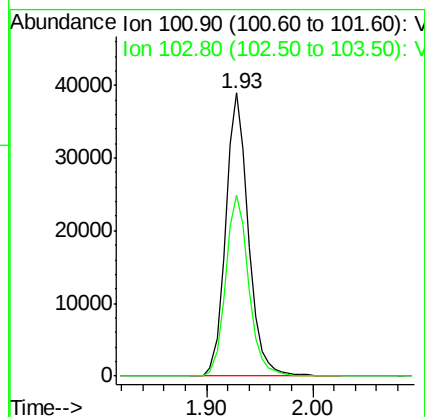
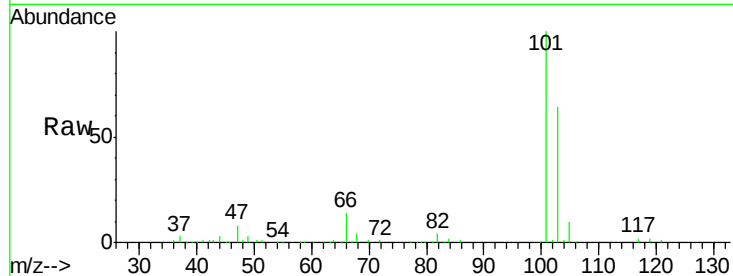
Trichlorofluoromethane
Concen: 18.878 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBS02

Tgt Ion:101 Resp: 57965
Ion Ratio Lower Upper
101 100
103 64.2 52.3 78.5

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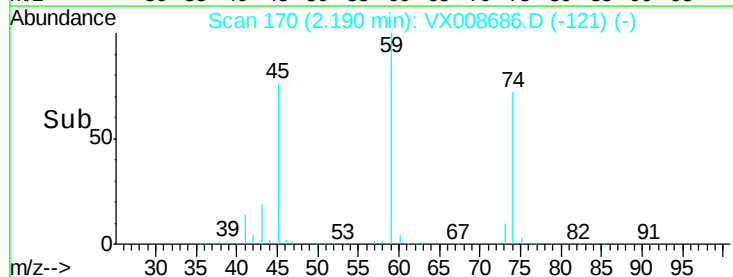
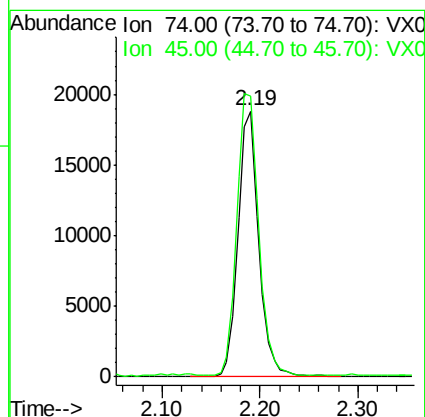
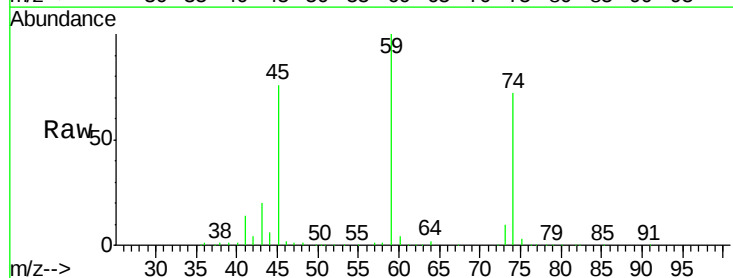
MMDadoda
4/8/2019 9:49:53 AM

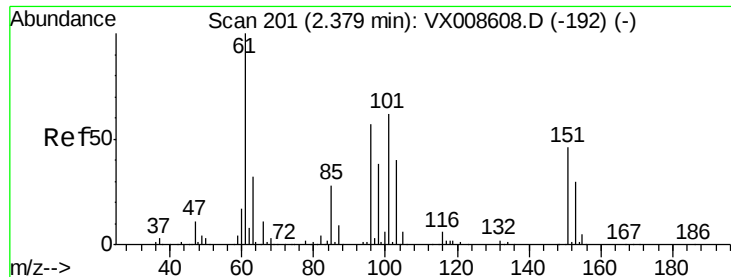


#8

Diethyl Ether
Concen: 18.992 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Tgt Ion: 74 Resp: 27655
Ion Ratio Lower Upper
74 100
45 111.9 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.604 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

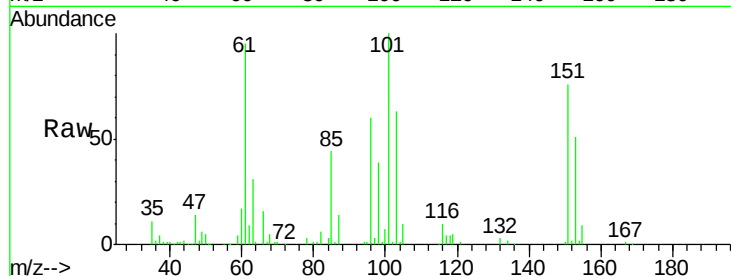
ClientSampleId :

VX0405WBS02

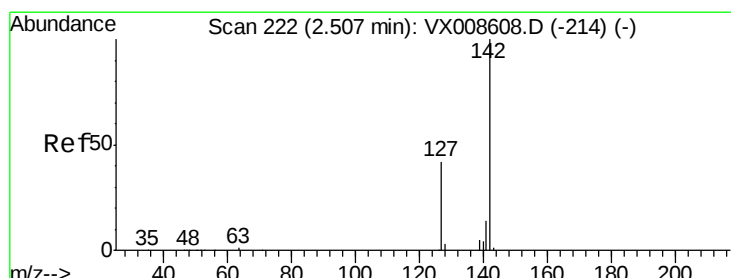
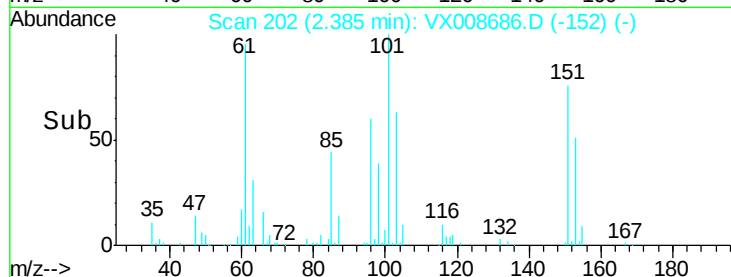
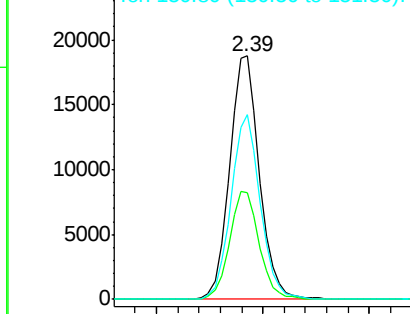
Tgt Ion:	101	Resp:	36778
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.0	54.0
151	74.7	59.9	89.9

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.183 ug/l

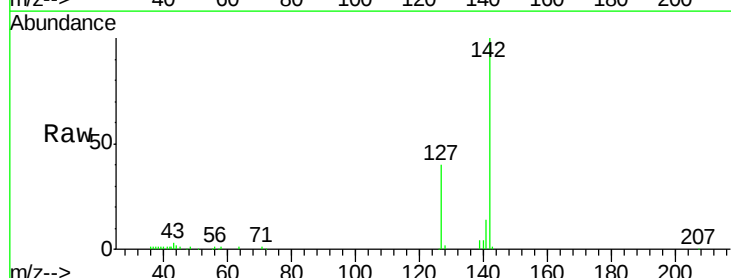
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

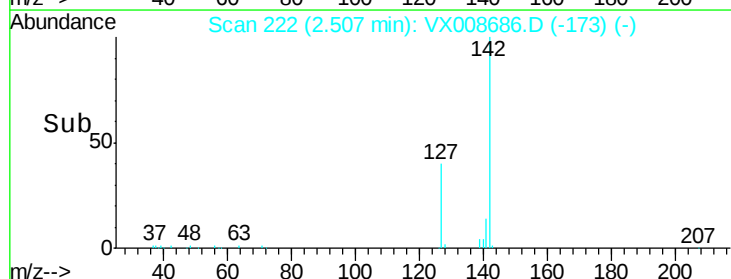
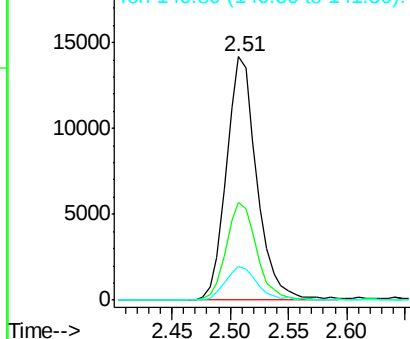
Lab File: VX008686.D

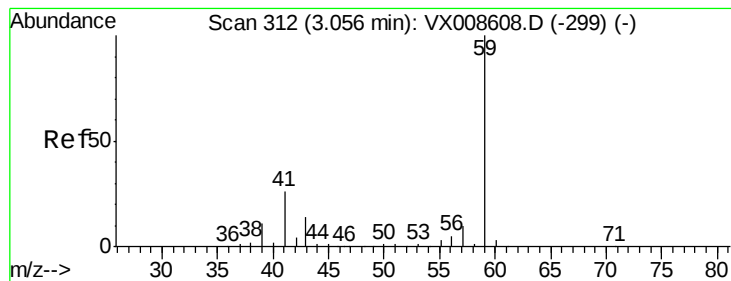
Acq: 05 Apr 2019 17:00

Tgt Ion:	142	Resp:	25795
Ion Ratio	Lower	Upper	
142	100		
127	40.0	33.0	49.6
141	14.4	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

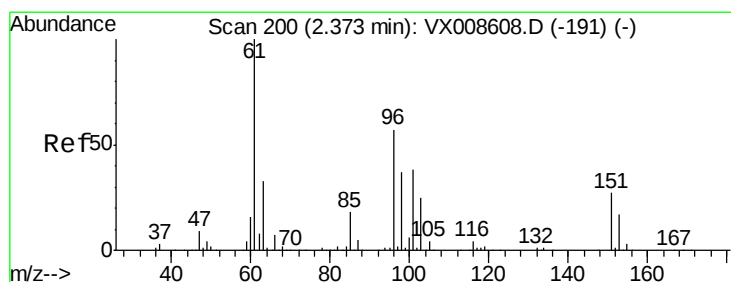
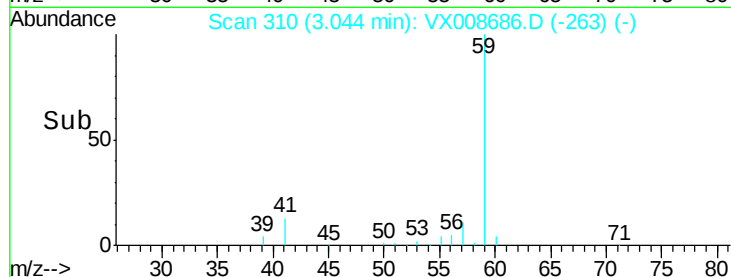
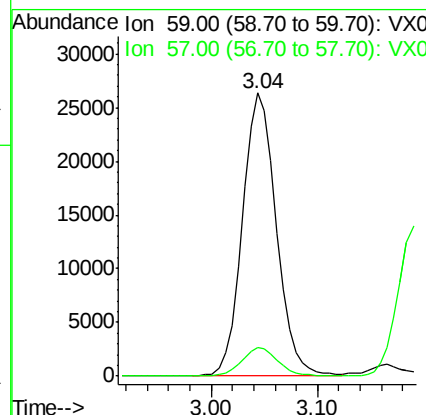
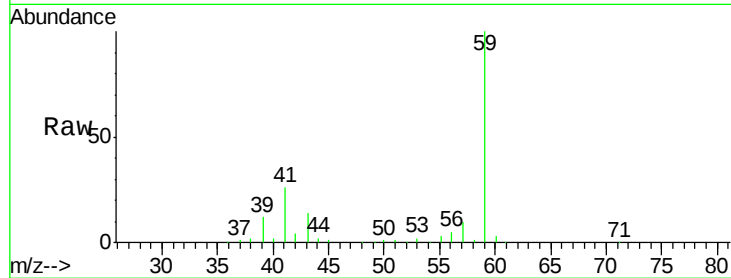
Tert butyl alcohol
 Concen: 97.009 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX008686.D
 Acq: 05 Apr 2019 17:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0405WBS02

Tgt Ion: 59 Resp: 59132
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.3 12.5

Manual Integrations
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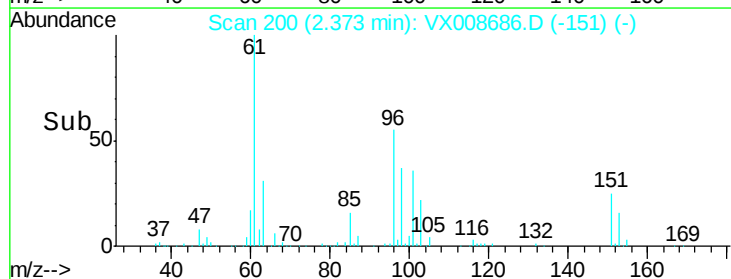
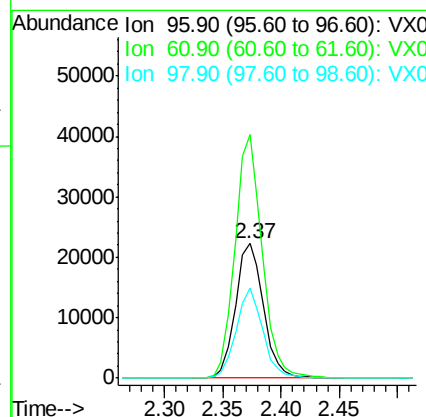
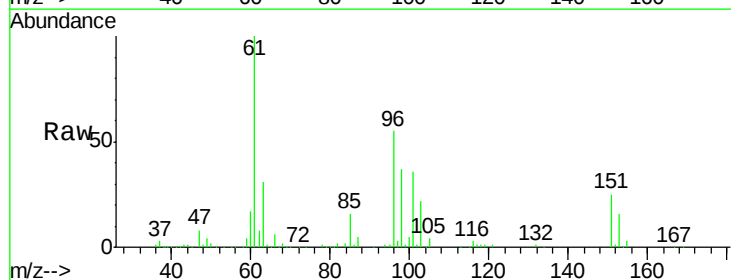
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 4/8/2019 9:49:53 AM

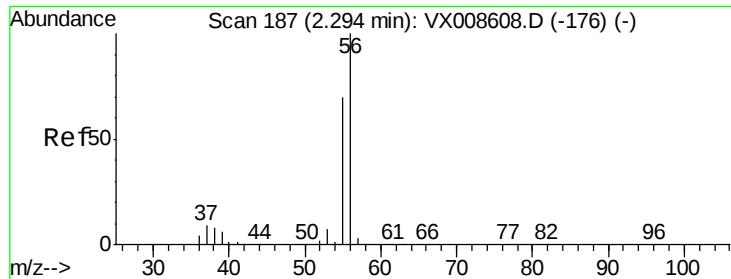


#12

1,1-Dichloroethene
 Concen: 18.050 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX008686.D
 Acq: 05 Apr 2019 17:00

Tgt Ion: 96 Resp: 37251
 Ion Ratio Lower Upper
 96 100
 61 180.8 140.9 211.3
 98 66.9 52.1 78.1





#13

Acrolein

Concen: 147.085 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBS02

Tgt Ion: 56 Resp: 44456

Ion Ratio Lower Upper

56 100

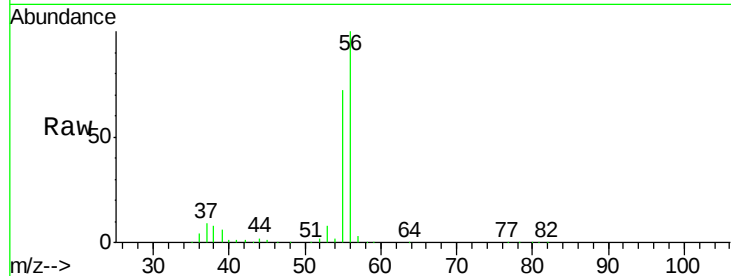
55 72.1 58.0 87.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

30000

25000

20000

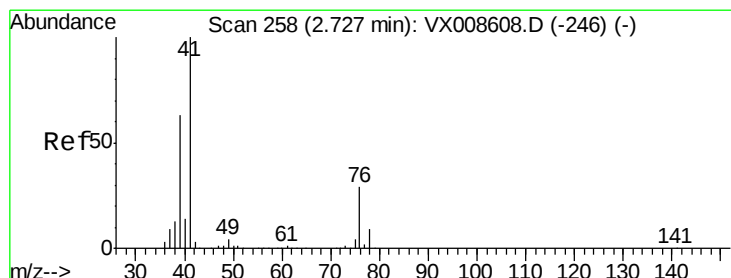
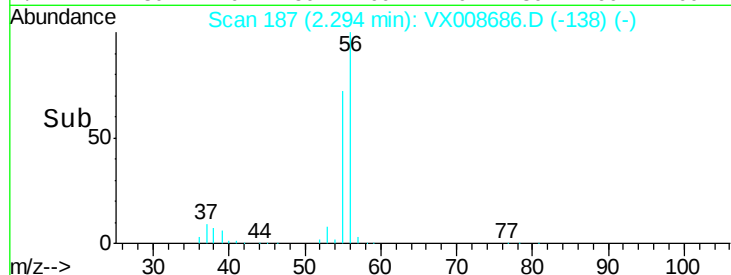
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 18.763 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

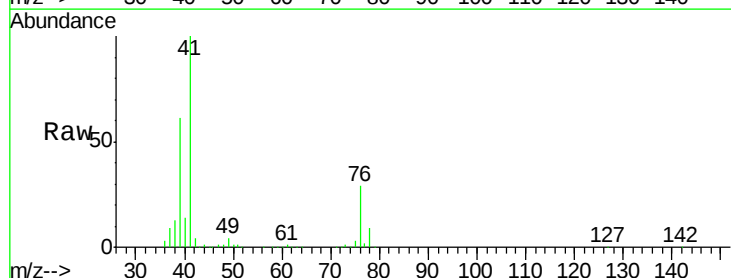
Tgt Ion: 41 Resp: 88642

Ion Ratio Lower Upper

41 100

39 59.3 48.0 72.0

76 26.9 22.0 33.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

60000

50000

40000

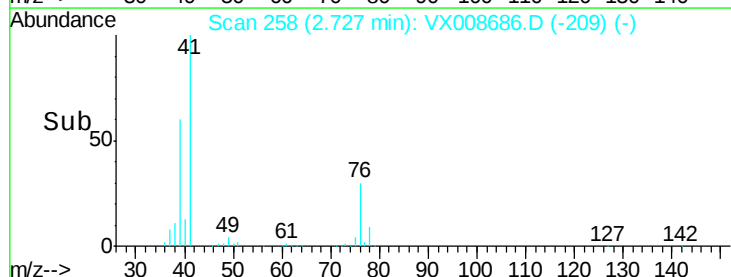
30000

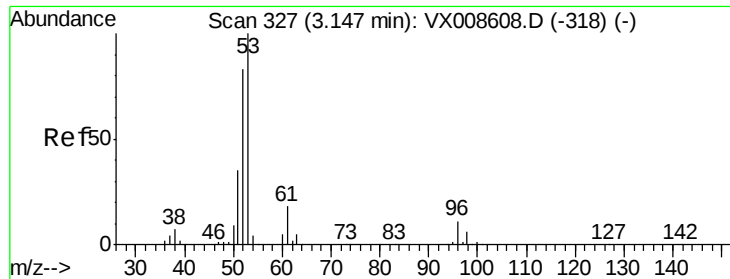
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 93.046 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

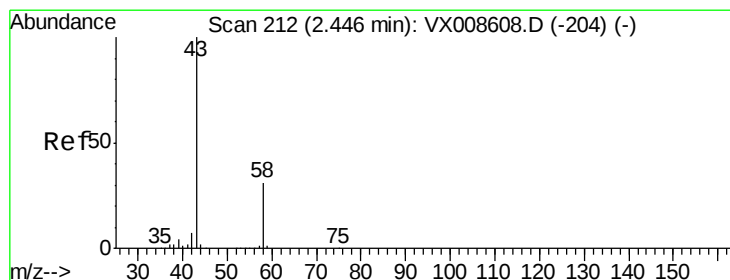
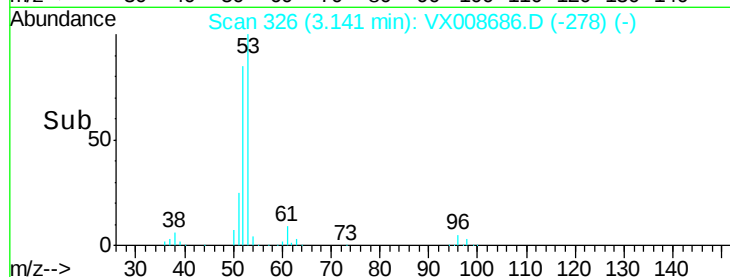
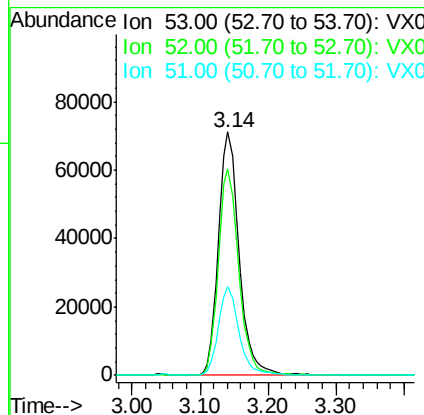
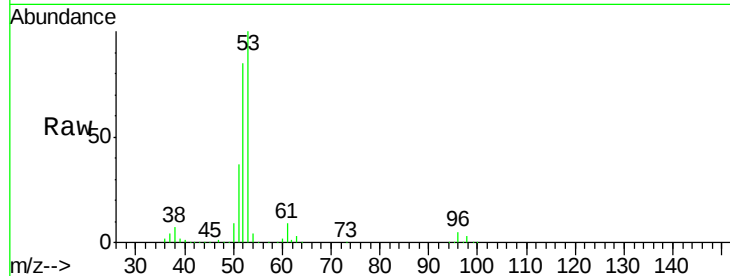
ClientSampleId :

VX0405WBS02

Tgt Ion:	53	Resp:	150250
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.5	99.7
51	36.6	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 93.345 ug/l

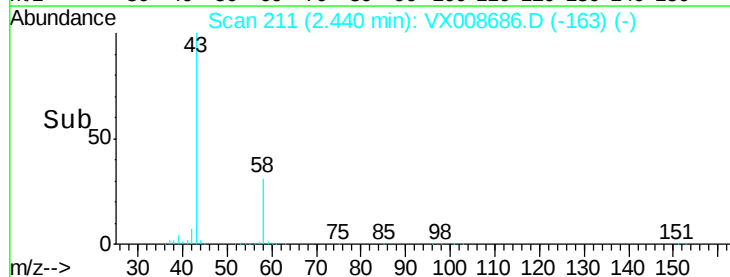
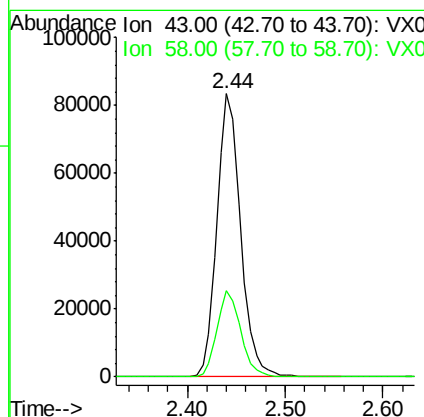
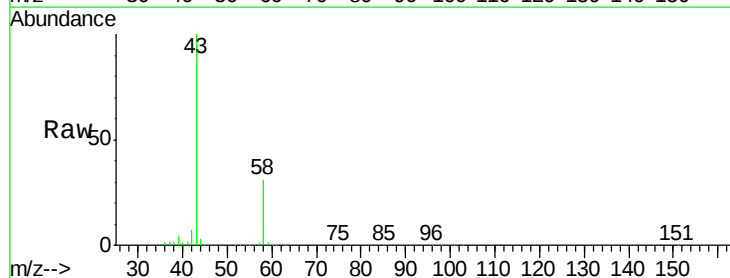
RT: 2.44 min Scan# 211

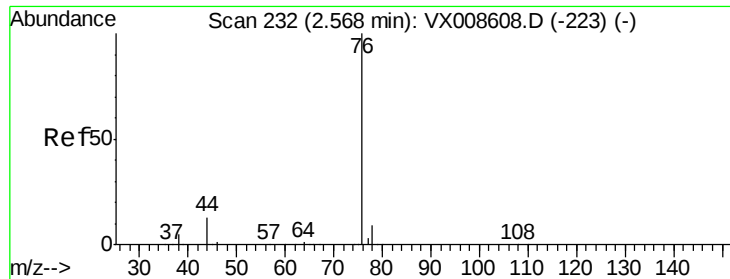
Delta R.T. -0.01 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Tgt Ion:	43	Resp:	139983
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.8	37.2





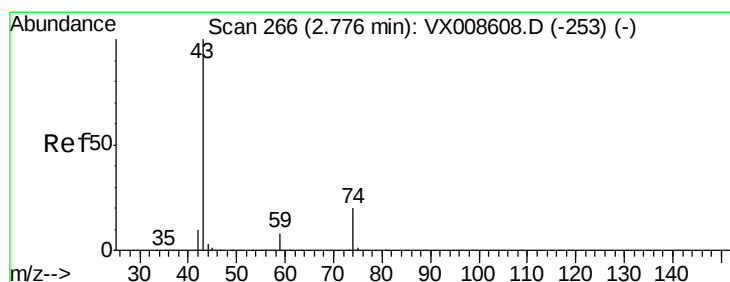
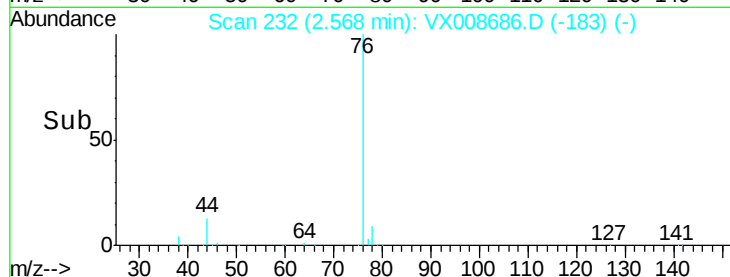
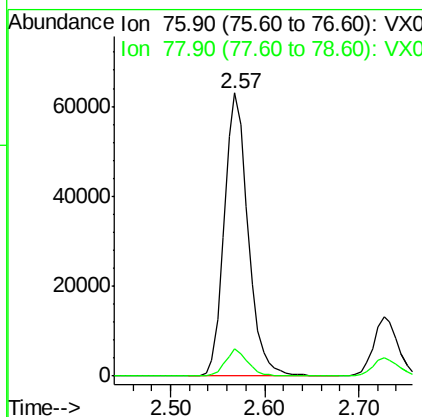
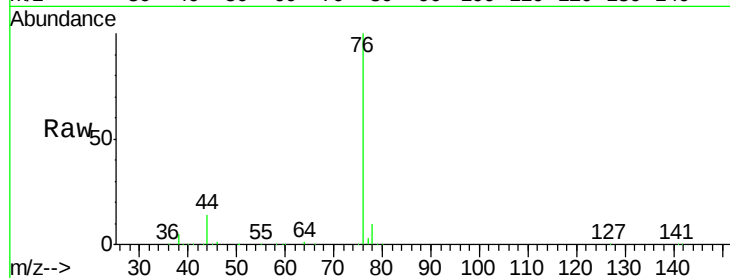
#17
Carbon Disulfide
Concen: 18.100 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBS02

Tgt Ion: 76 Resp: 110680
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

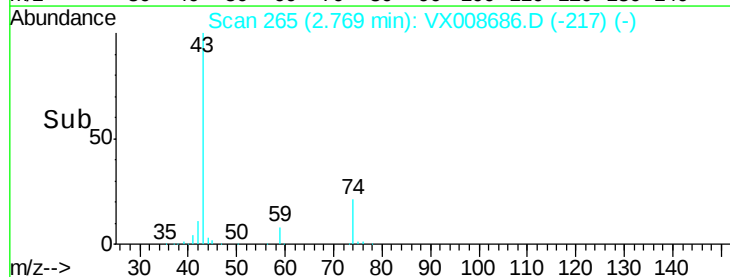
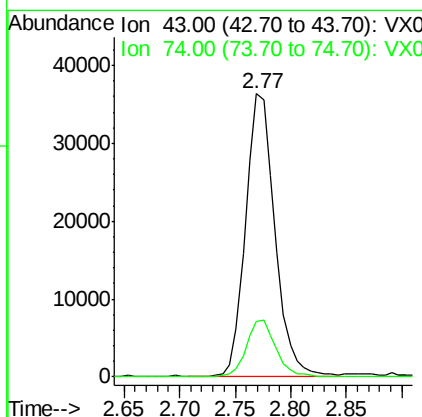
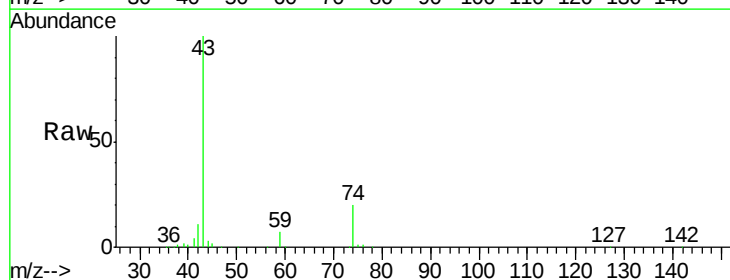
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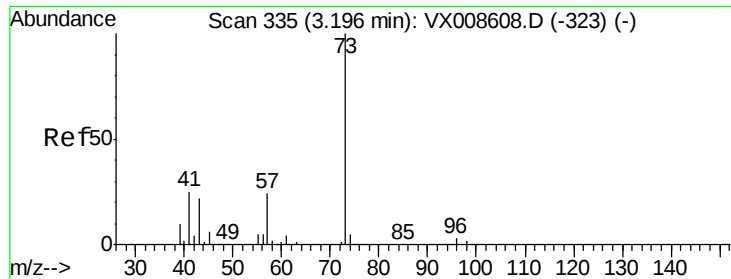
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#18
Methyl Acetate
Concen: 18.309 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Tgt Ion: 43 Resp: 66590
Ion Ratio Lower Upper
43 100
74 20.6 16.5 24.7





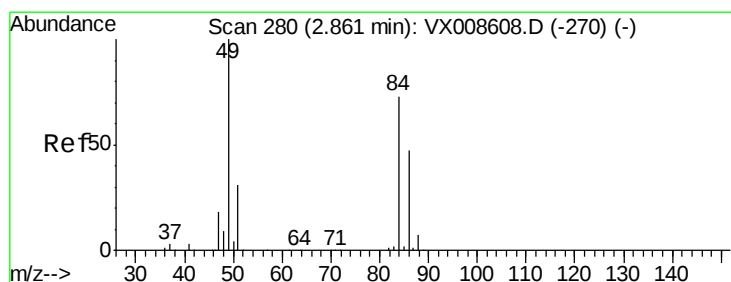
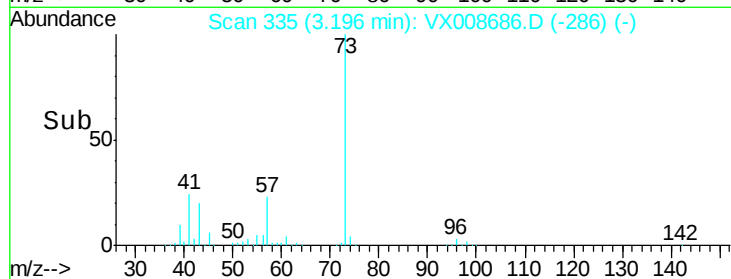
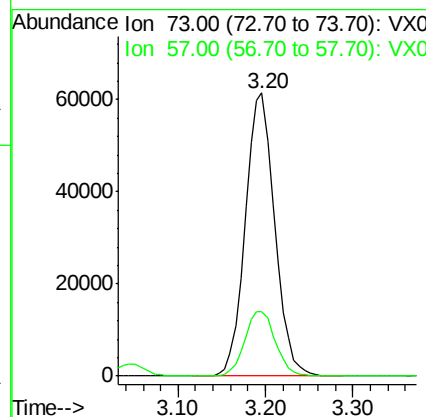
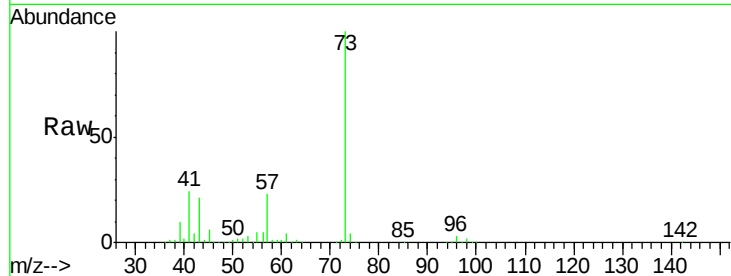
#19
Methyl tert-butyl Ether
Concen: 19.445 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBS02

Tgt Ion: 73 Resp: 143312
Ion Ratio Lower Upper
73 100
57 23.0 19.5 29.3

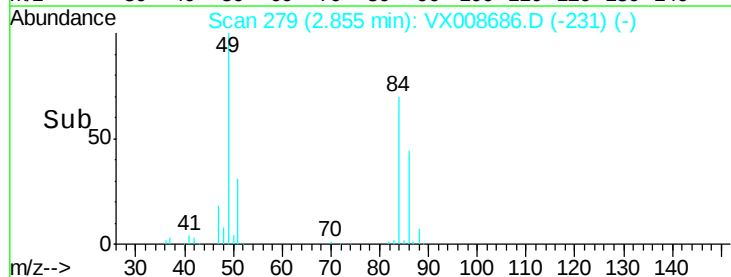
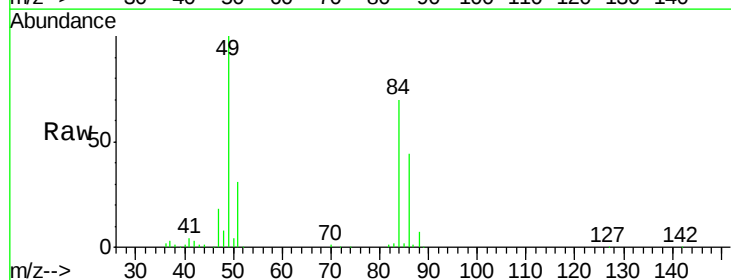
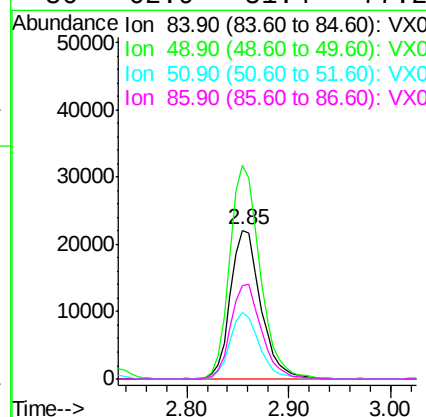
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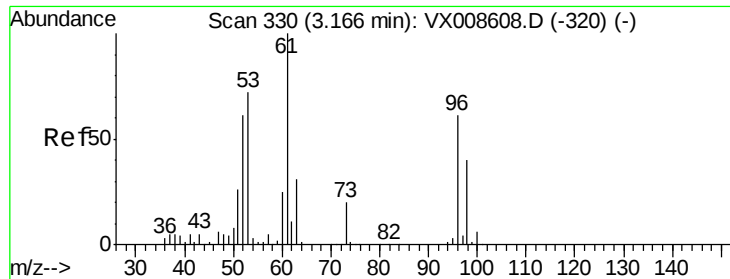
MMDadoda
4/8/2019 9:49:53 AM



#20
Methylene Chloride
Concen: 18.163 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Tgt Ion: 84 Resp: 45592
Ion Ratio Lower Upper
84 100
49 143.2 109.7 164.5
51 44.3 33.6 50.4
86 62.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 18.289 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBS02

Tgt Ion: 96 Resp: 40825

Ion Ratio Lower Upper

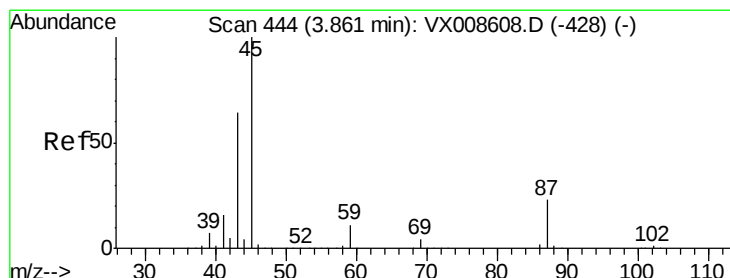
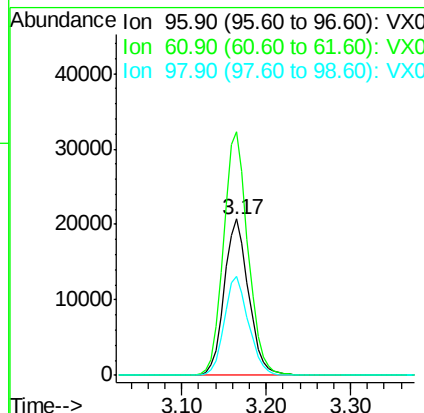
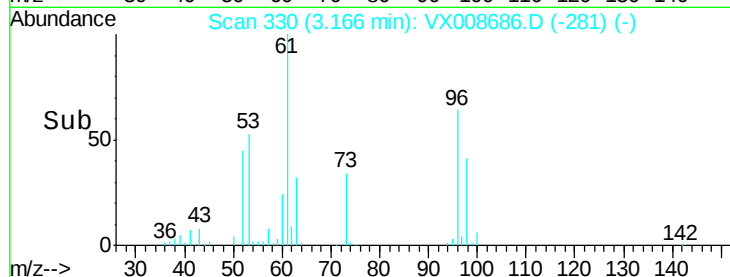
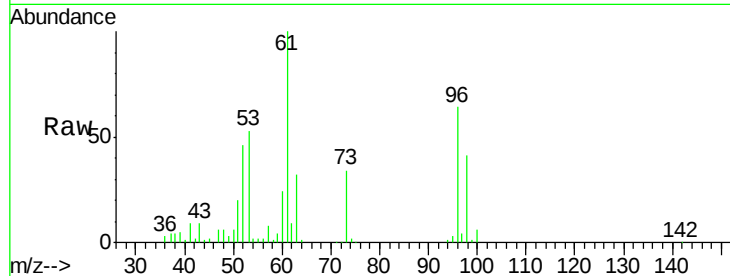
96 100

61 155.9 132.1 198.1

98 63.6 52.2 78.2

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#22

Diisopropyl ether

Concen: 19.006 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Tgt Ion: 45 Resp: 173063

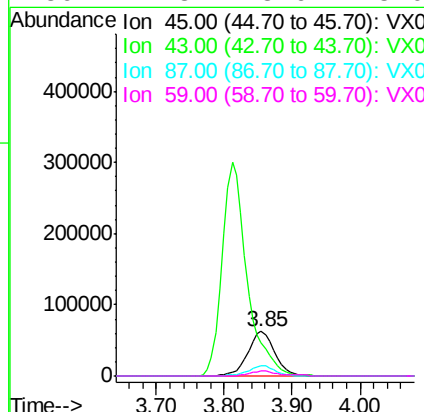
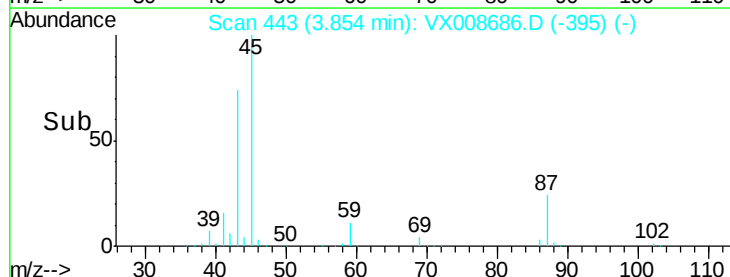
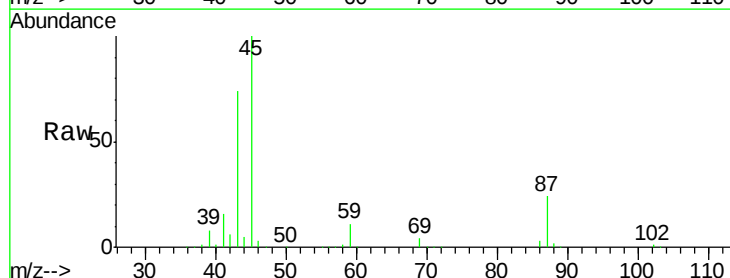
Ion Ratio Lower Upper

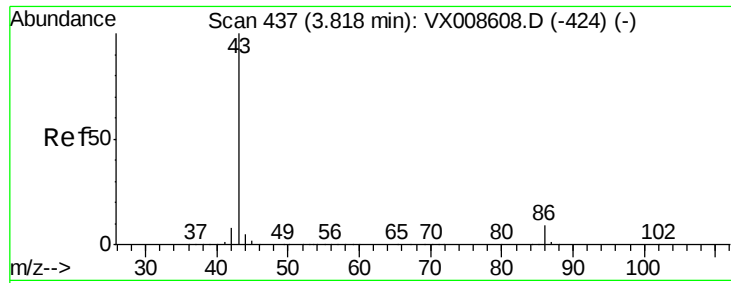
45 100

43 73.7 51.3 76.9

87 23.6 18.1 27.1

59 11.3 8.6 13.0





#23

Vinyl Acetate

Concen: 96.754 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBS02

Tgt Ion: 43 Resp: 766428

Ion Ratio Lower Upper

43 100

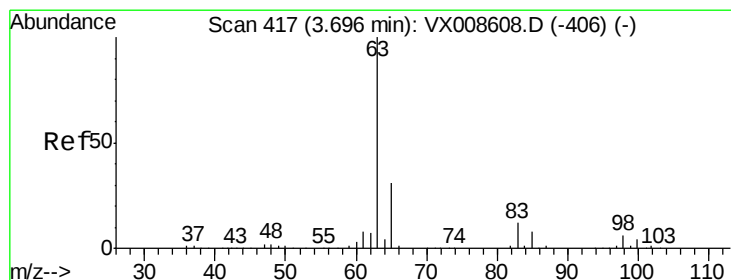
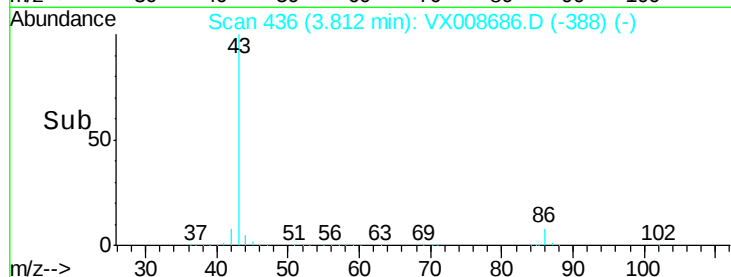
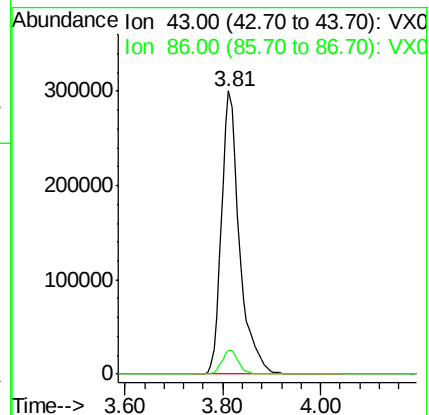
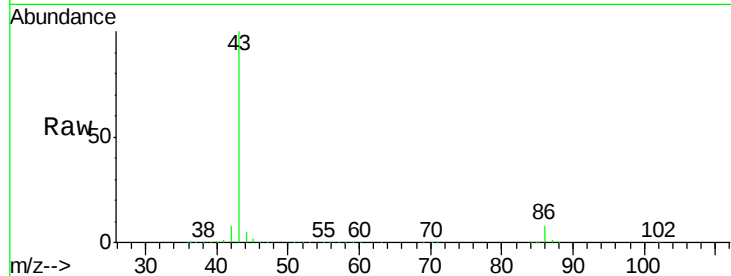
86 8.4 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.899 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

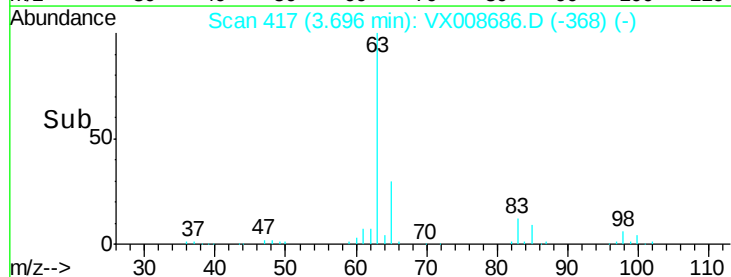
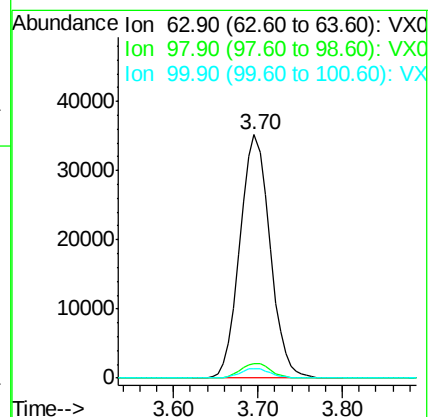
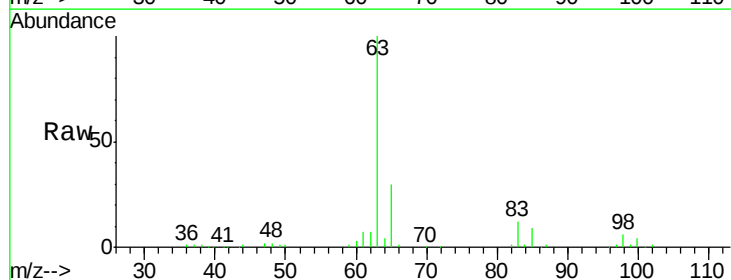
Tgt Ion: 63 Resp: 85205

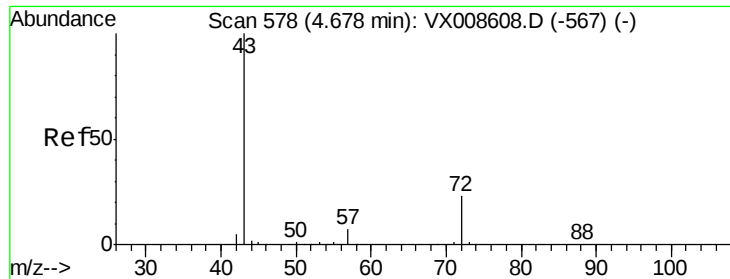
Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 4.0 1.8 5.5





#25

2-Butanone

Concen: 95.213 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBS02

Tgt Ion: 43 Resp: 225674

Ion Ratio Lower Upper

43 100

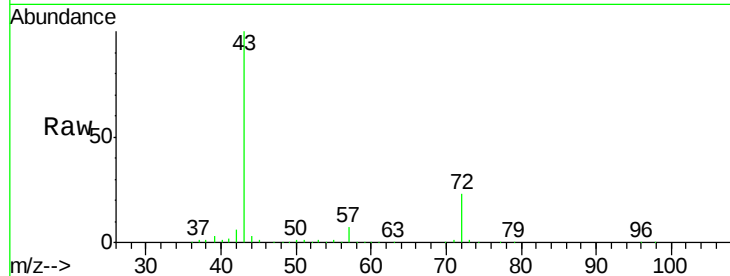
72 23.0 18.2 27.4

Manual Integrations

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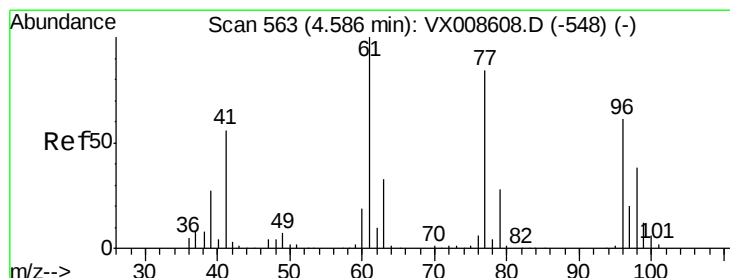
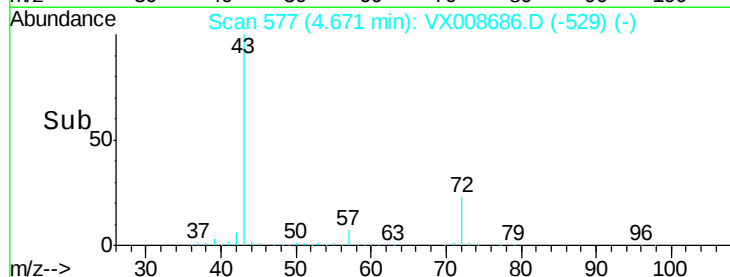
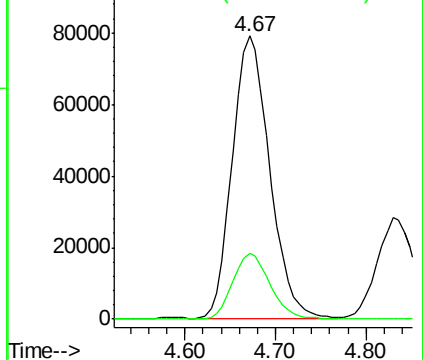
MMDadoda

4/8/2019 9:49:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.752 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008686.D

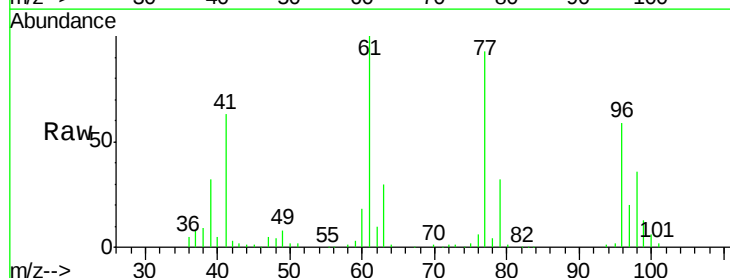
Acq: 05 Apr 2019 17:00

Tgt Ion: 77 Resp: 59543

Ion Ratio Lower Upper

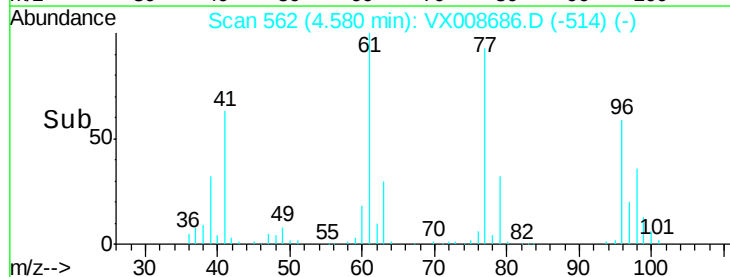
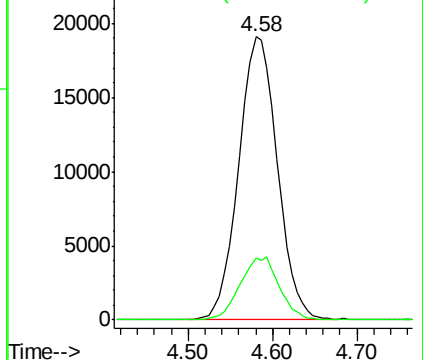
77 100

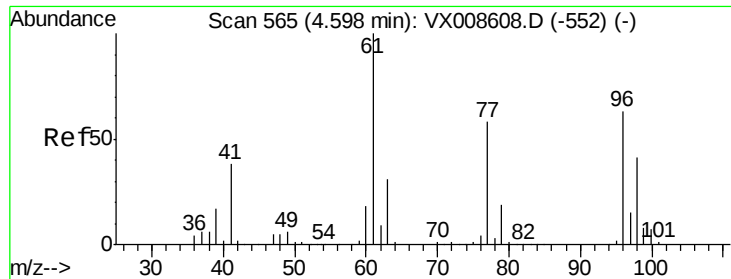
97 22.4 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

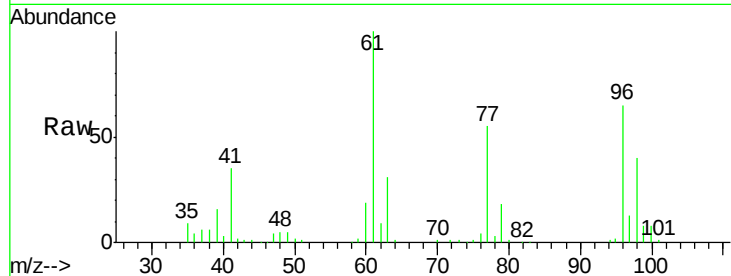
cis-1,2-Dichloroethene
Concen: 18.487 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBS02

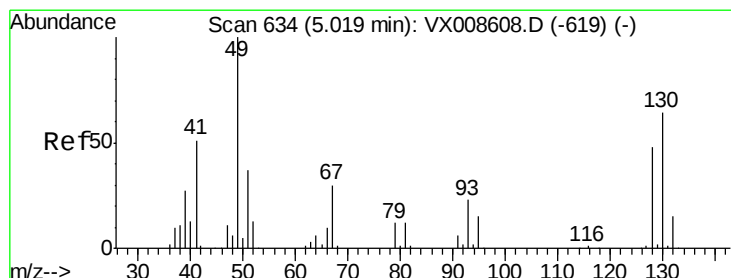
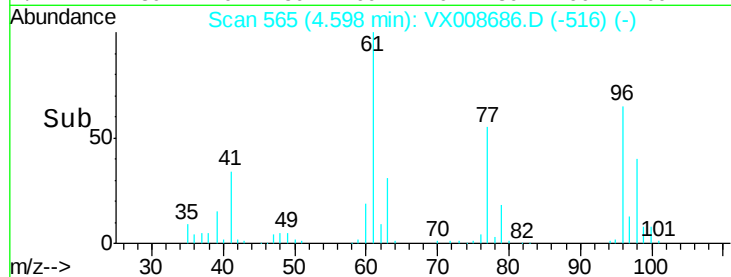
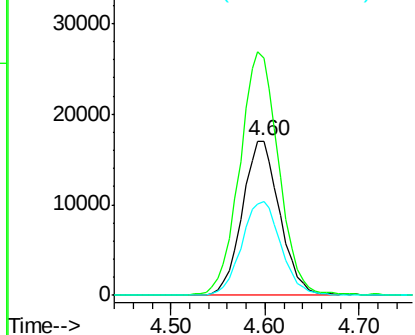
Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.2	0.0	327.6
98	63.7	0.0	128.6

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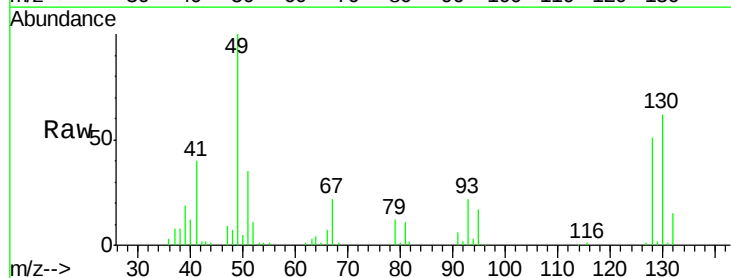
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



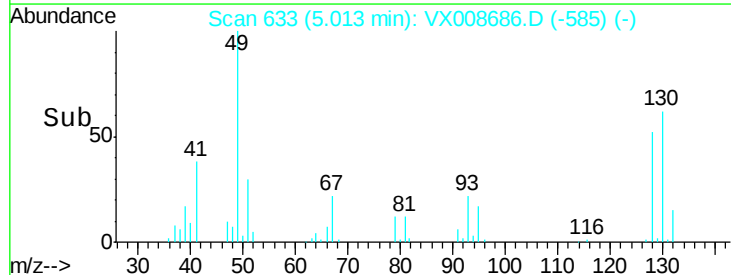
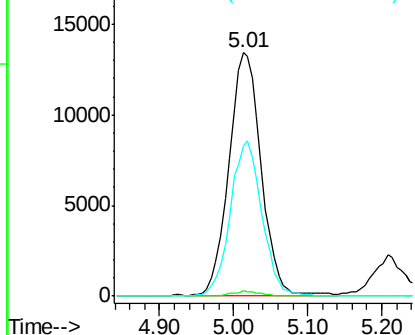
#28

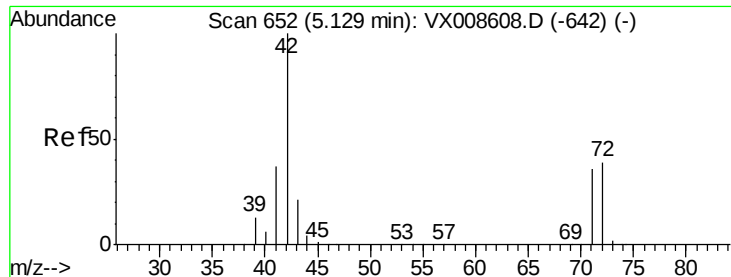
Bromochloromethane
Concen: 19.929 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	61.9	49.3	73.9



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





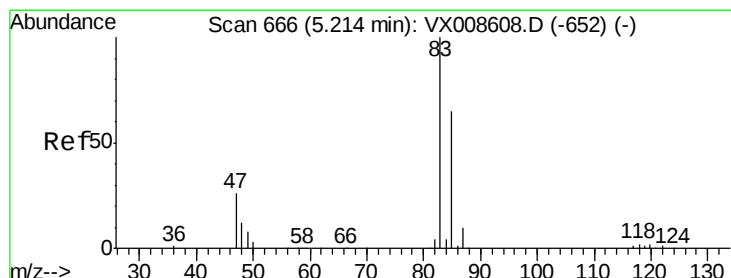
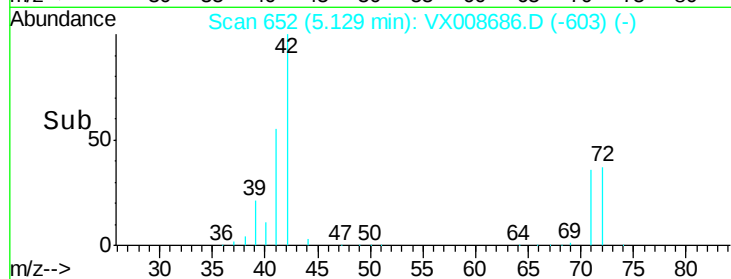
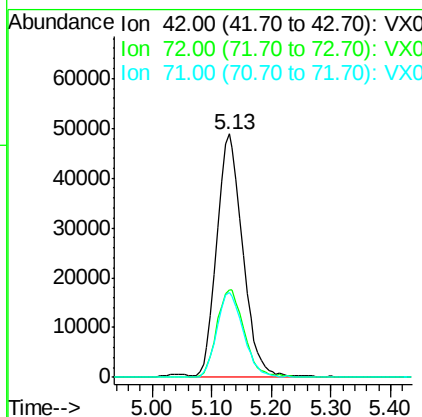
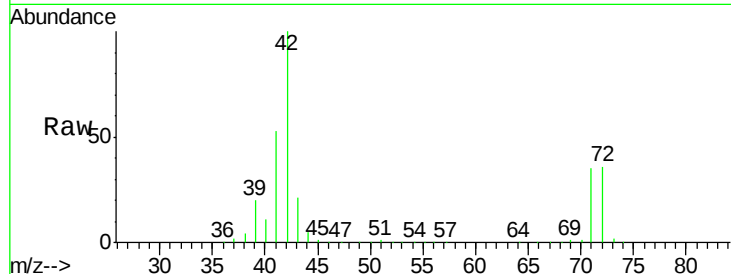
#29
Tetrahydrofuran
Concen: 93.494 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.5	45.7
71	35.7	28.6	43.0

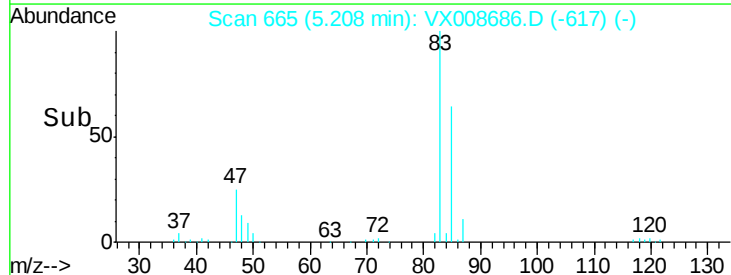
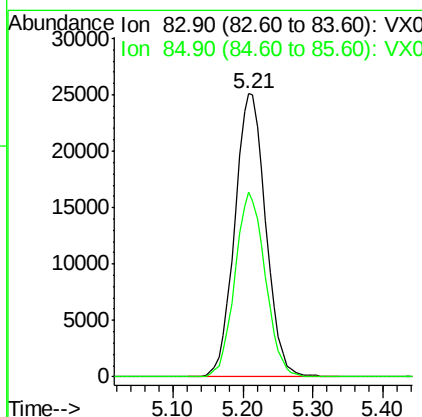
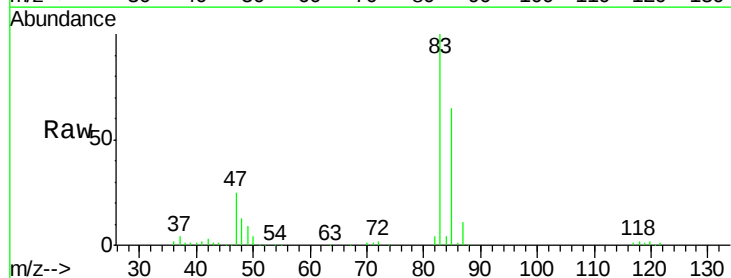
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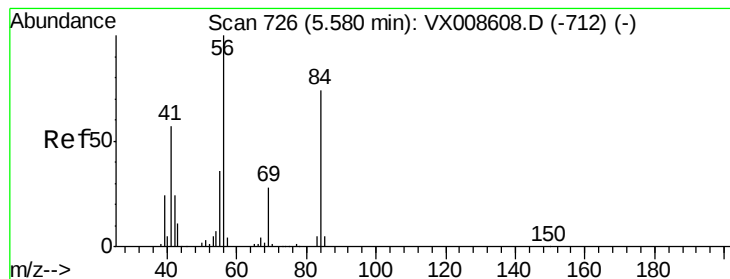
MMDadoda
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#30
Chloroform
Concen: 19.097 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.1	78.1





#31

Cyclohexane

Concen: 18.320 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

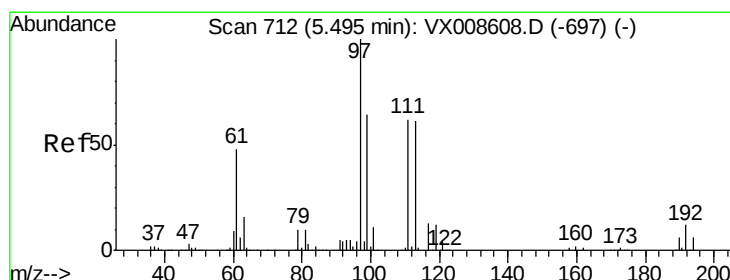
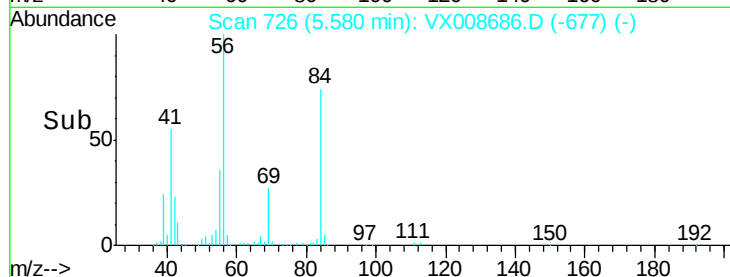
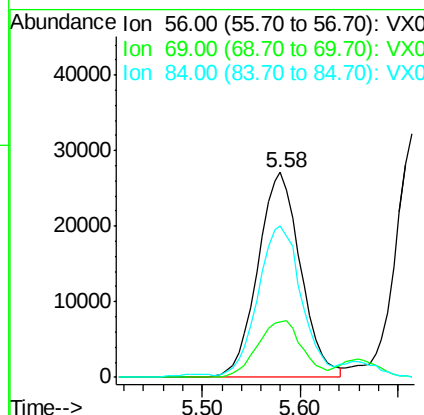
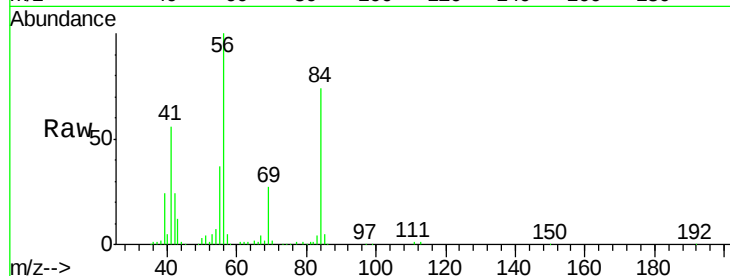
ClientSampleId :

VX0405WBS02

Tgt Ion:	56	Resp:	82415
Ion	Ratio	Lower	Upper
56	100		
69	27.0	22.6	33.8
84	72.5	59.3	88.9

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#32

1,1,1-Trichloroethane

Concen: 18.908 ug/l

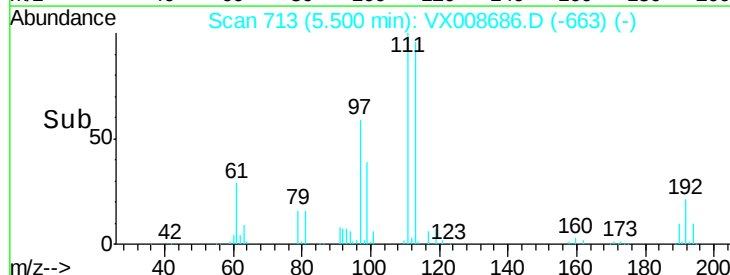
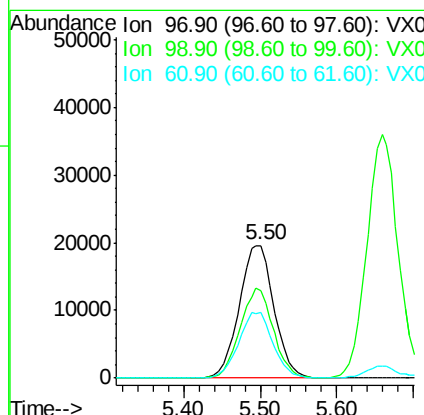
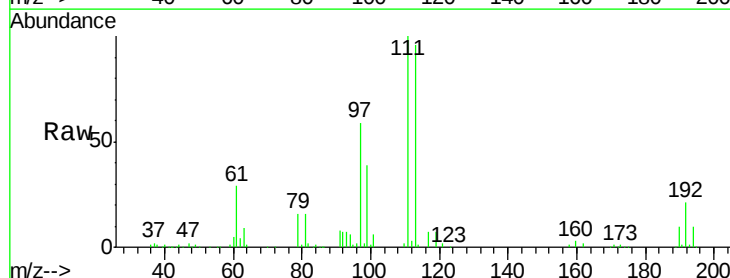
RT: 5.50 min Scan# 713

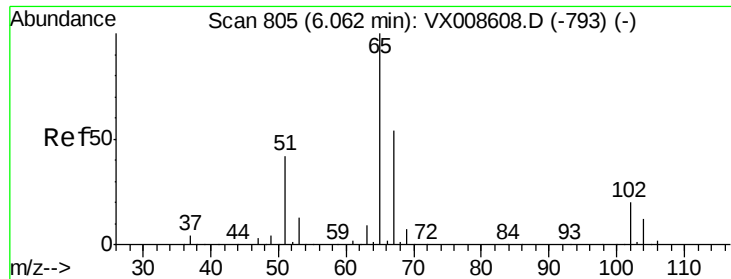
Delta R.T. 0.01 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Tgt Ion:	97	Resp:	61526
Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.3	76.9
61	49.2	38.9	58.3





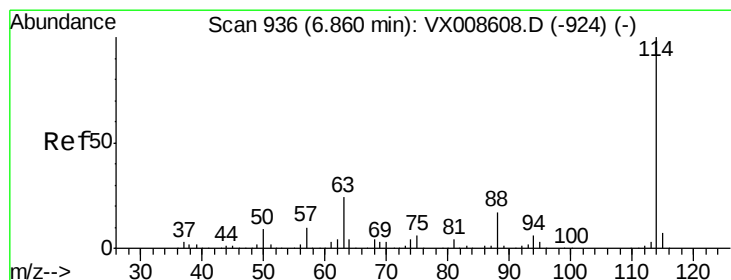
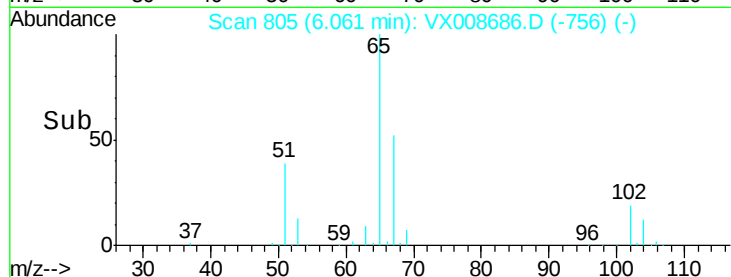
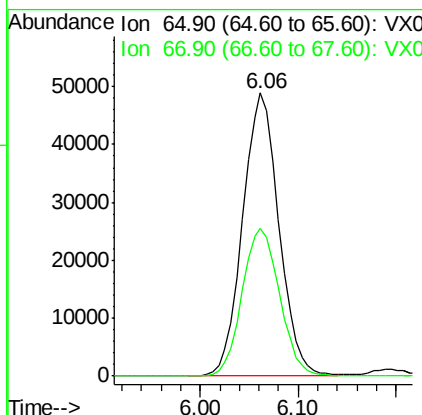
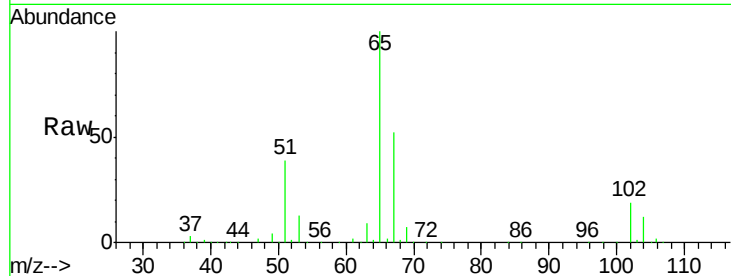
#33
 1,2-Dichloroethane-d4
 Concen: 48.356 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008686.D
 Acq: 05 Apr 2019 17:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBS02

Tgt Ion: 65 Resp: 125902
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.2

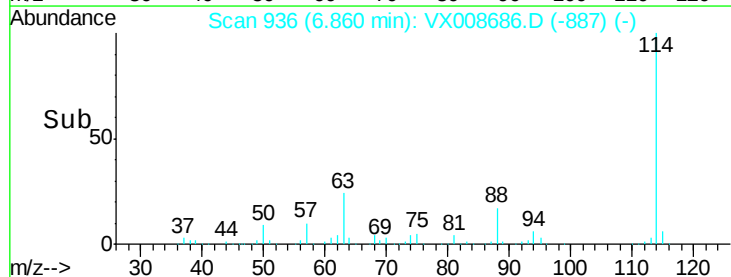
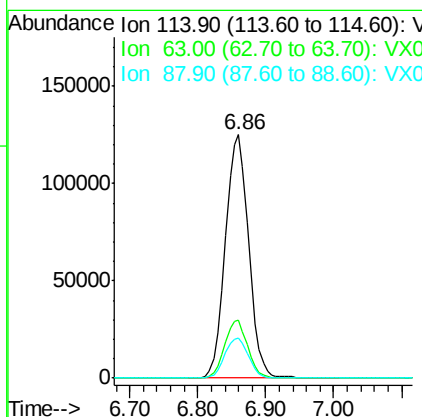
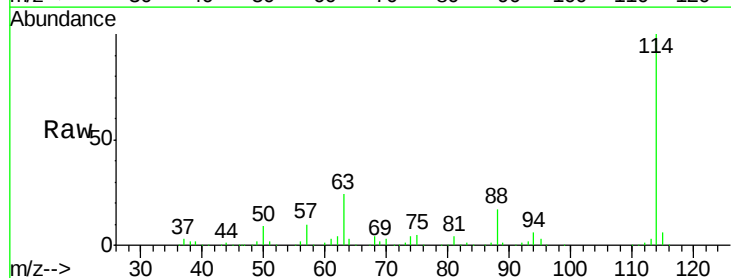
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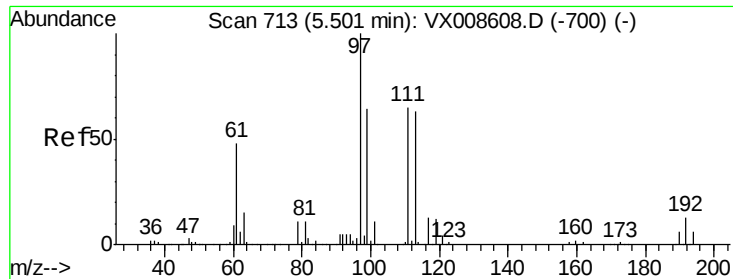
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008686.D
 Acq: 05 Apr 2019 17:00

Tgt Ion: 114 Resp: 296669
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 47.2
 88 16.7 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.087 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008686.D

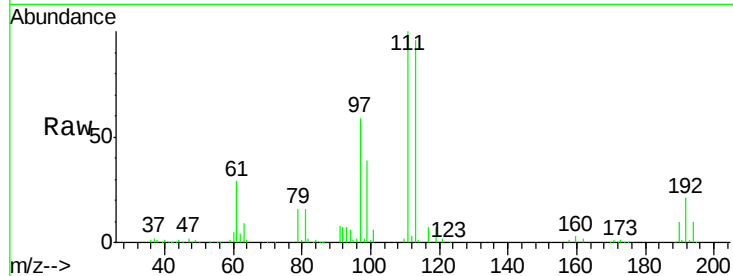
Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

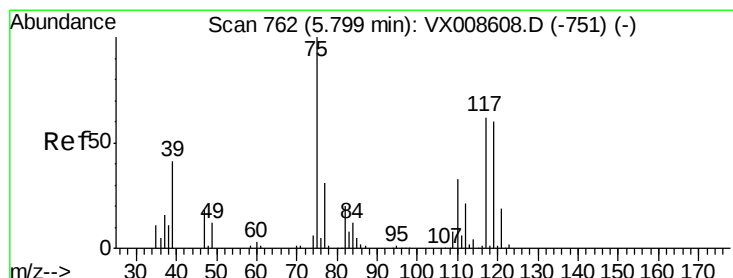
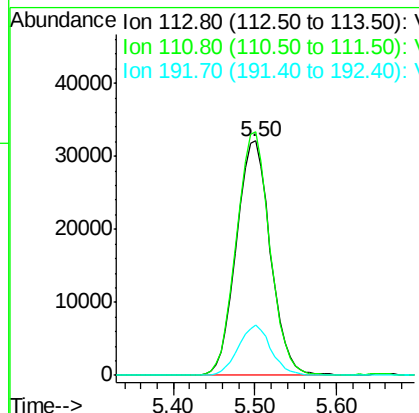
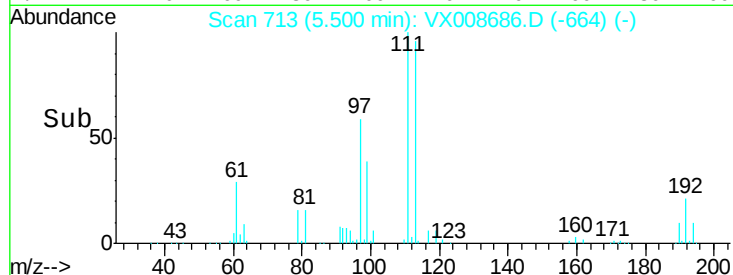
VX0405WBS02



Tgt Ion:	113	Resp:	93107
Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.4	125.2
192	20.6	16.1	24.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.401 ug/l

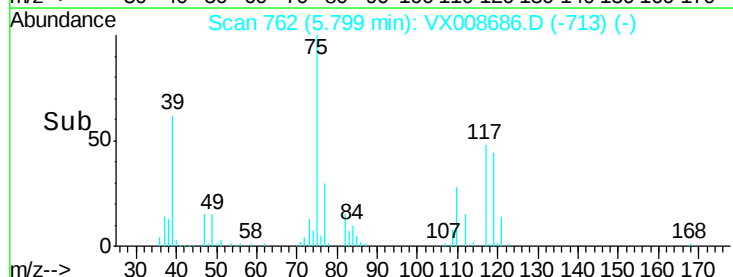
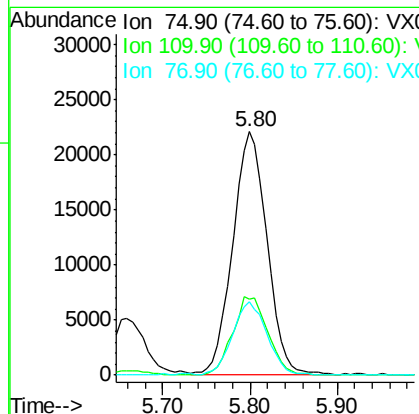
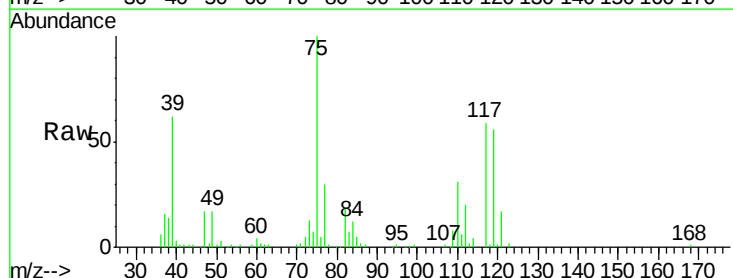
RT: 5.80 min Scan# 762

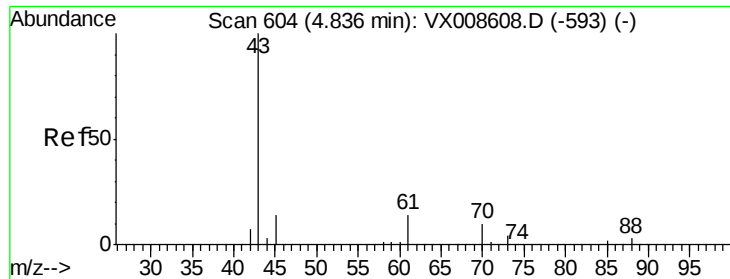
Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Tgt Ion:	75	Resp:	59673
Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.4	49.2
77	30.9	24.7	37.1





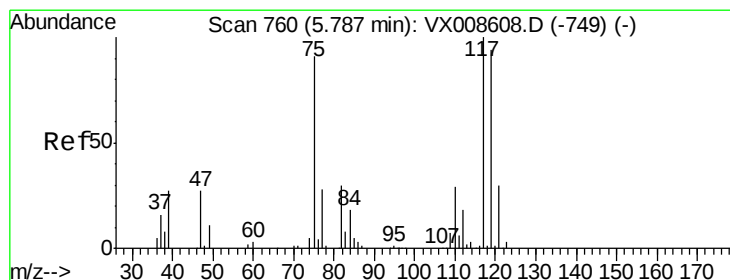
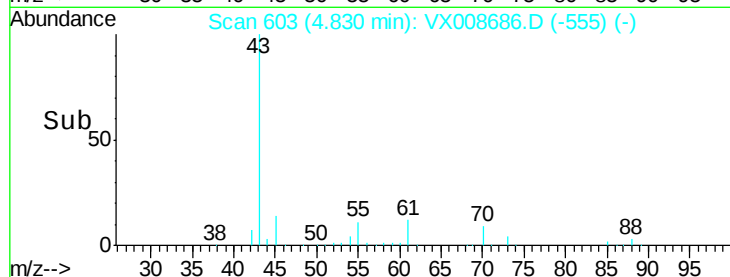
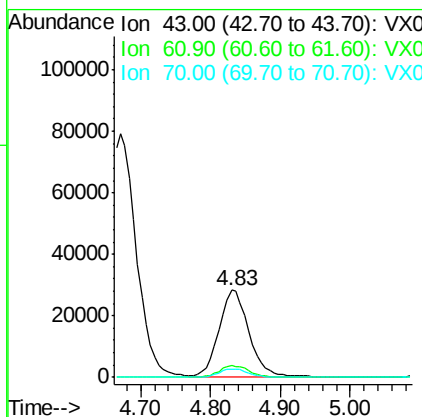
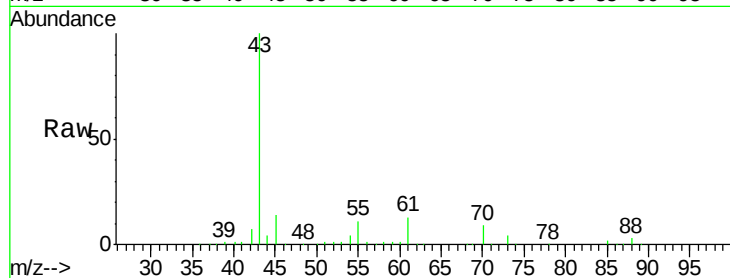
#37
Ethyl Acetate
Concen: 19.313 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampled :
VX0405WBS02

Tgt Ion: 43 Resp: 83596
Ion Ratio Lower Upper
43 100
61 13.8 10.3 15.5
70 9.8 7.6 11.4

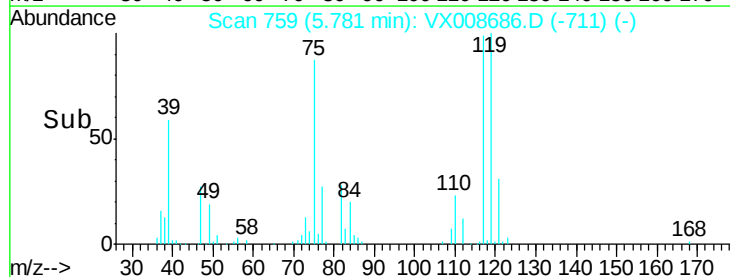
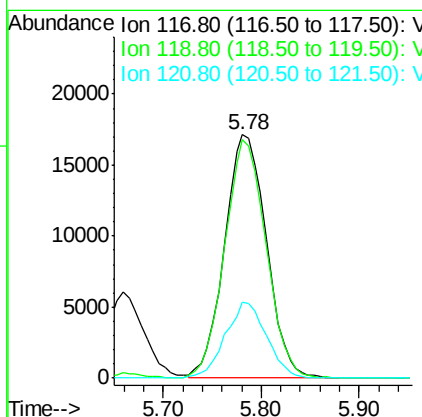
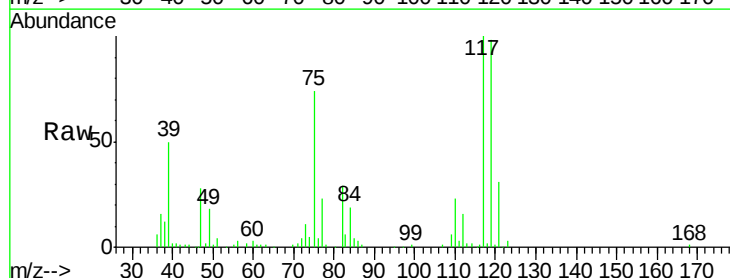
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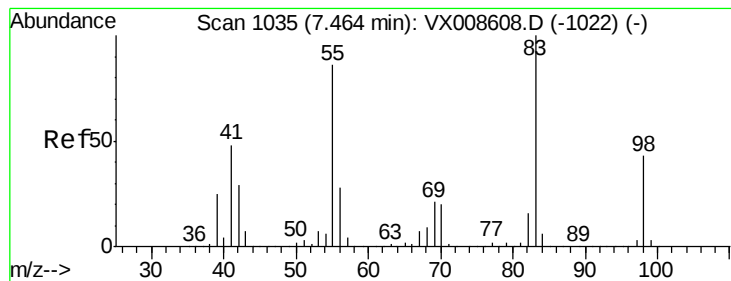
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#38
Carbon Tetrachloride
Concen: 18.957 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Tgt Ion: 117 Resp: 50882
Ion Ratio Lower Upper
117 100
119 97.9 75.0 112.6
121 31.1 24.3 36.5





#39

Methylcyclohexane

Concen: 18.458 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

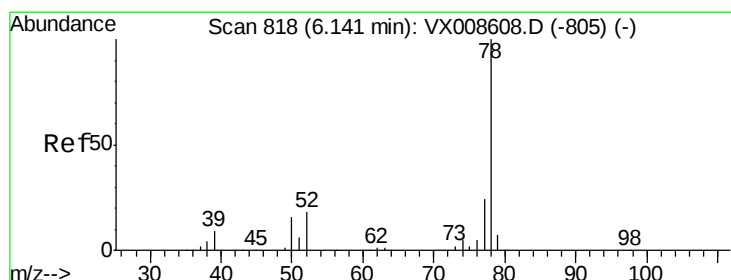
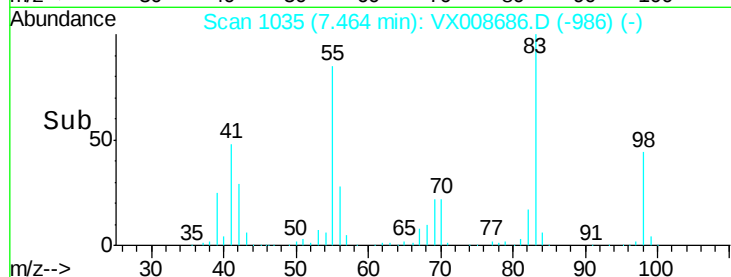
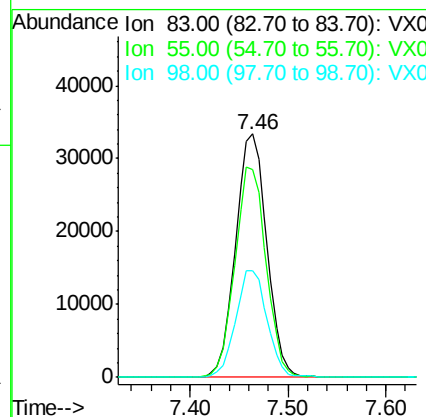
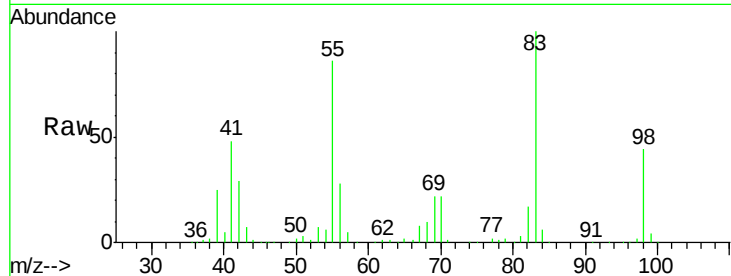
ClientSampleId :

VX0405WBS02

Tgt Ion:	83	Resp:	73945
Ion	Ratio	Lower	Upper
83	100		
55	85.5	69.0	103.6
98	43.8	34.4	51.6

Manual Integrations
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#40

Benzene

Concen: 18.862 ug/l

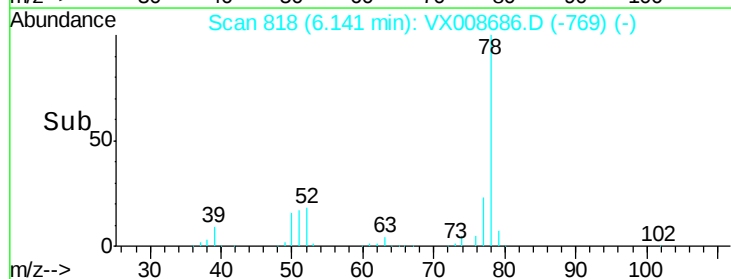
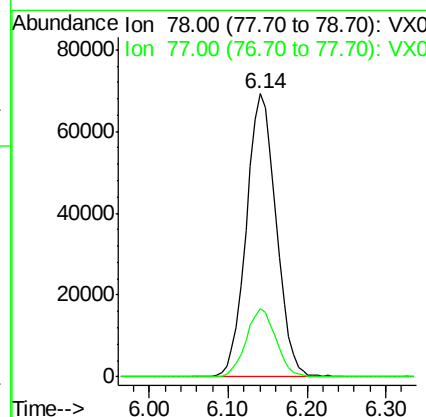
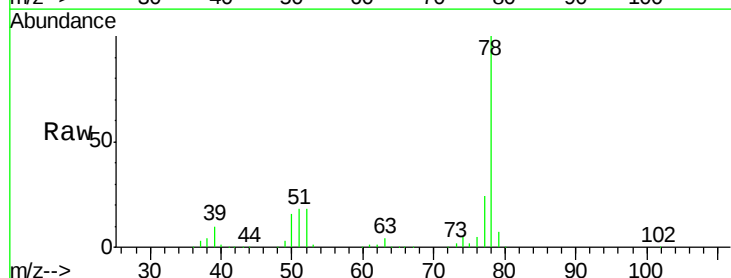
RT: 6.14 min Scan# 818

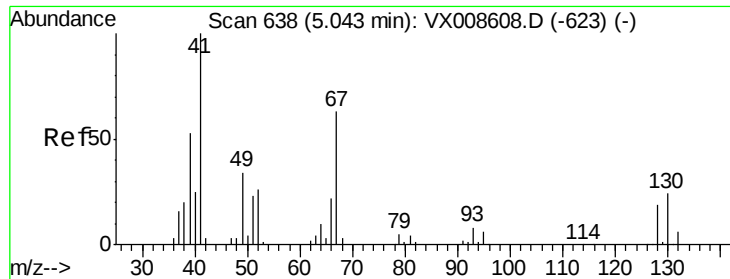
Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Tgt Ion:	78	Resp:	182225
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7





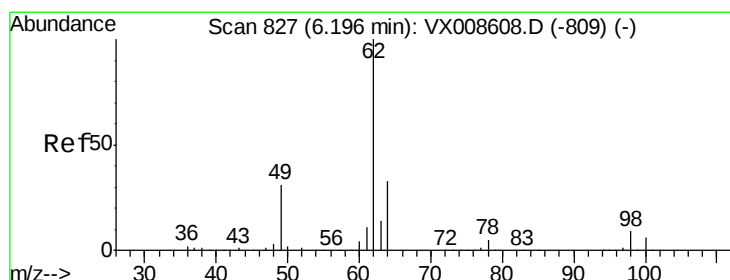
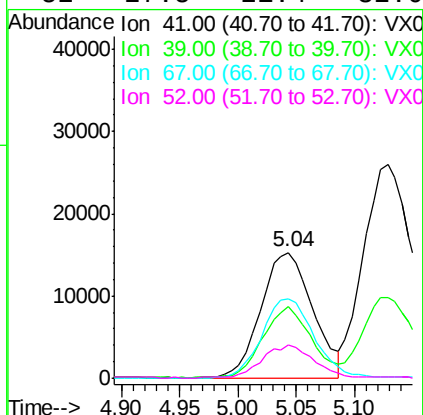
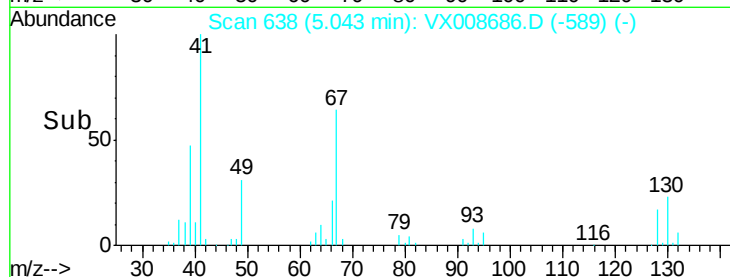
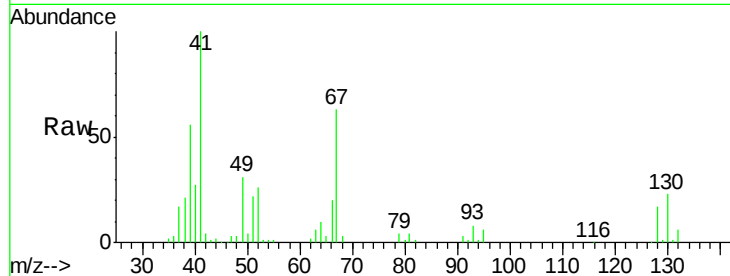
#41
Methacrylonitrile
Concen: 19.003 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBS02

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	42.1	63.1	
67	63.3	51.0	76.6	
52	27.5	21.4	32.0	

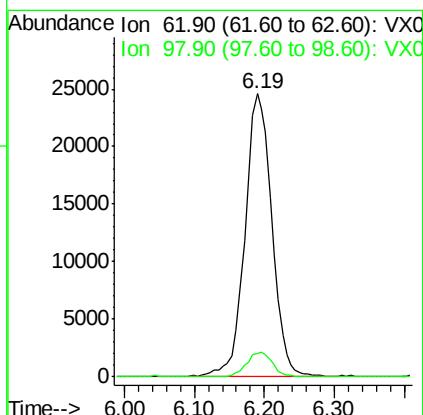
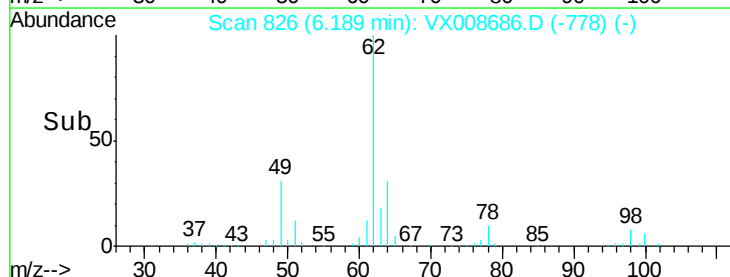
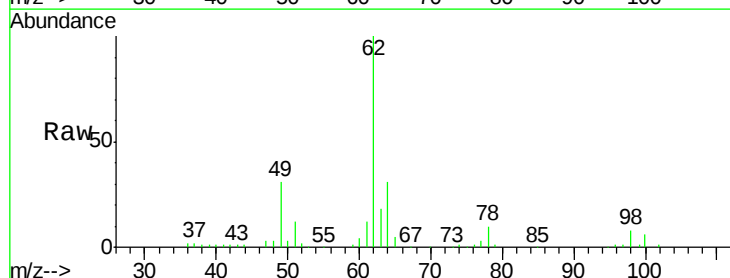
Manual Integrations
APPROVED

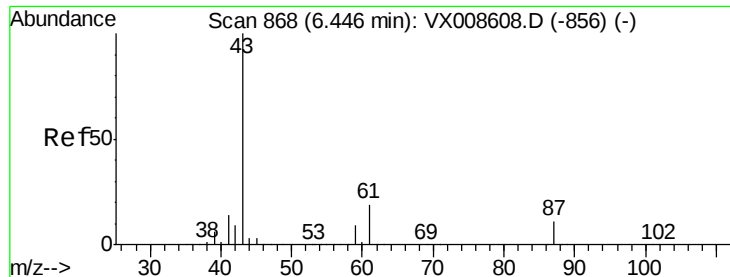
MMDadoda
4/8/2019 9:49:53 AM



#42
1,2-Dichloroethane
Concen: 19.045 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	18.0	





#43

Isopropyl Acetate

Concen: 19.330 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

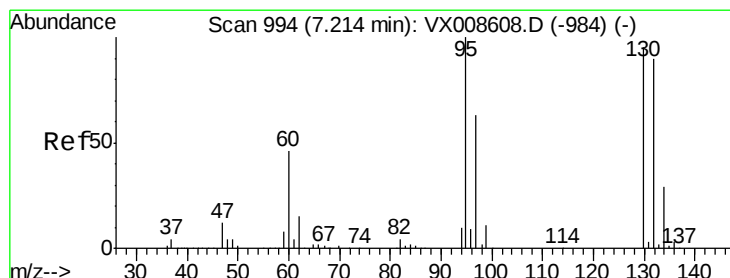
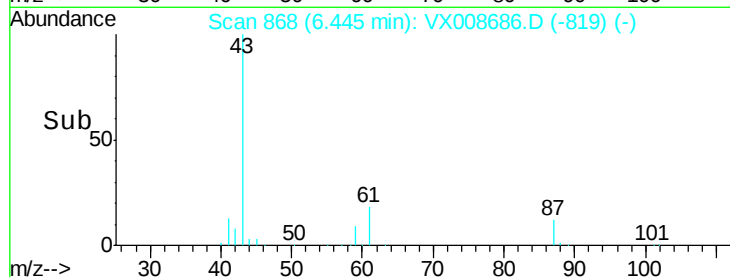
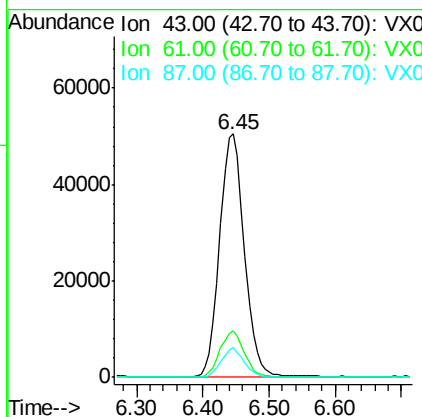
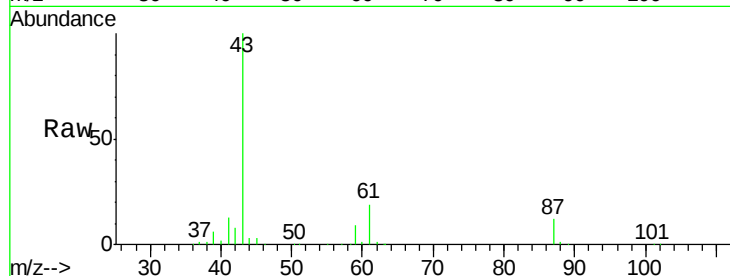
ClientSampleId :

VX0405WBS02

Tgt Ion:	43	Resp:	131072
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.3	22.9
87	11.3	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
4/8/2019 9:49:53 AM



#44

Trichloroethene

Concen: 18.791 ug/l

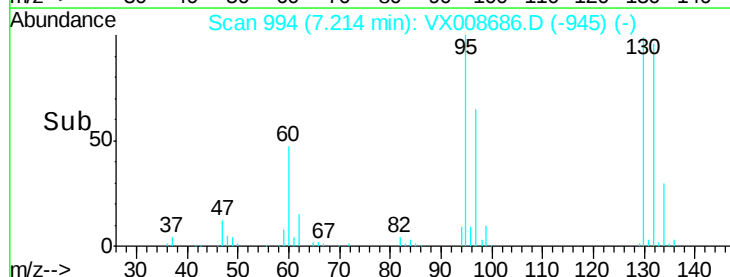
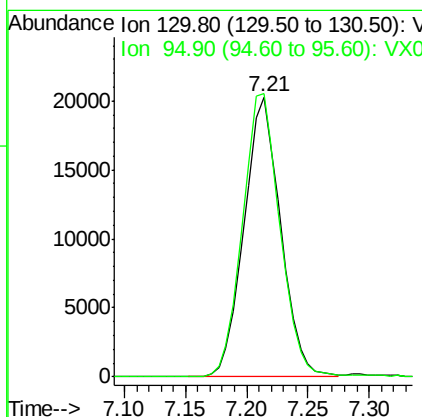
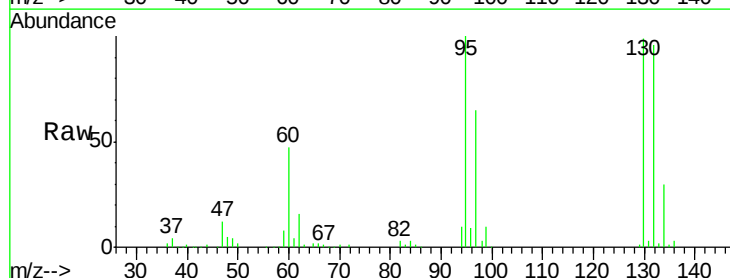
RT: 7.21 min Scan# 994

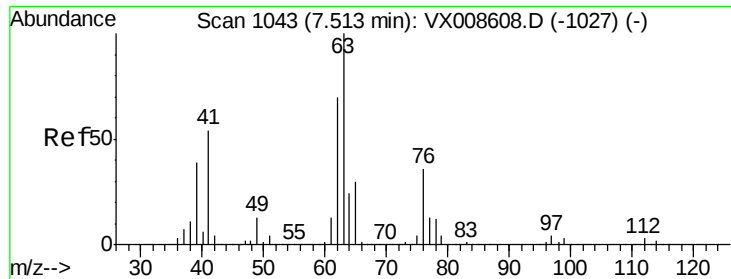
Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Tgt Ion:	130	Resp:	42281
Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	209.8





#45

1,2-Dichloropropane

Concen: 19.058 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBS02

Tgt Ion: 63 Resp: 52551

Ion Ratio Lower Upper

63 100

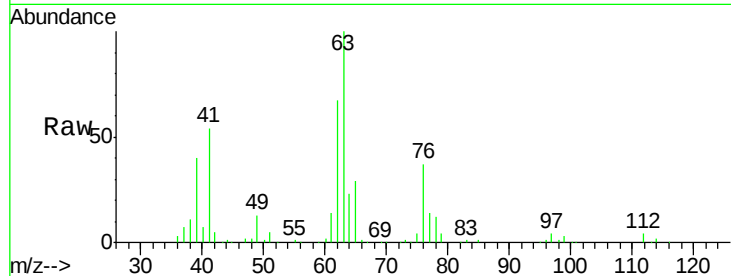
65 29.3 24.2 36.4

Manual Integrations

APPROVED

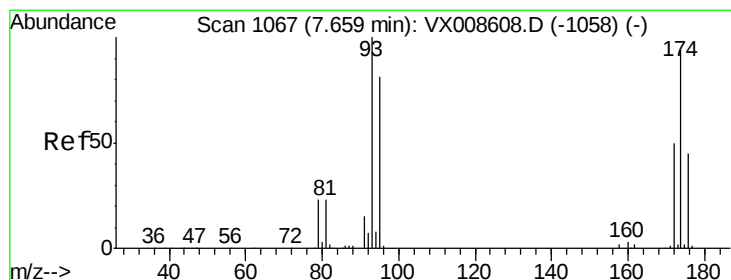
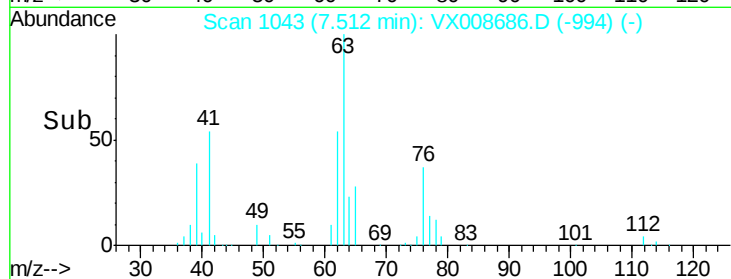
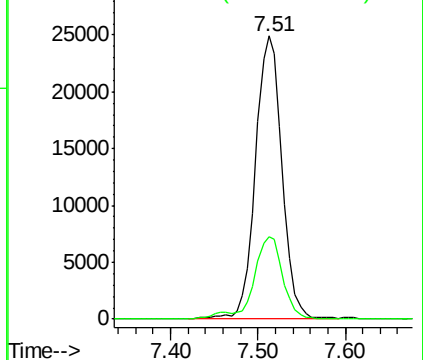
MMDadoda

4/8/2019 9:49:53 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.220 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

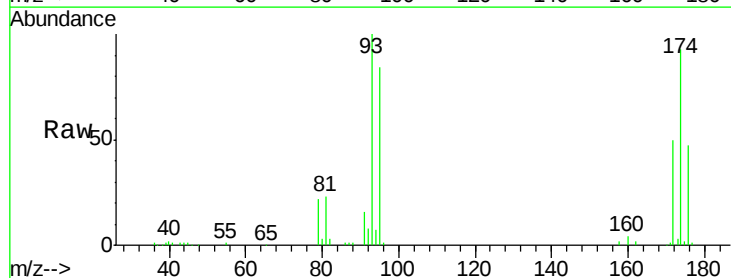
Tgt Ion: 93 Resp: 29139

Ion Ratio Lower Upper

93 100

95 82.8 66.6 99.8

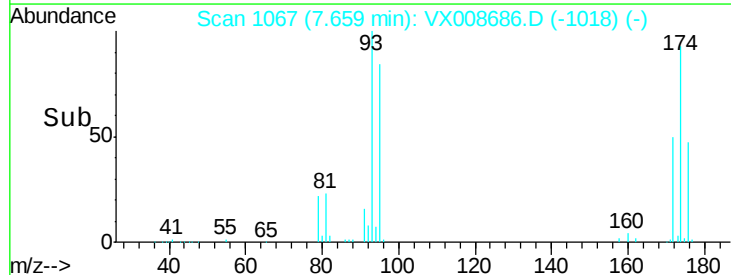
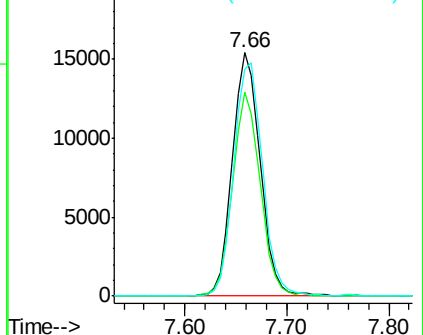
174 99.0 77.7 116.5

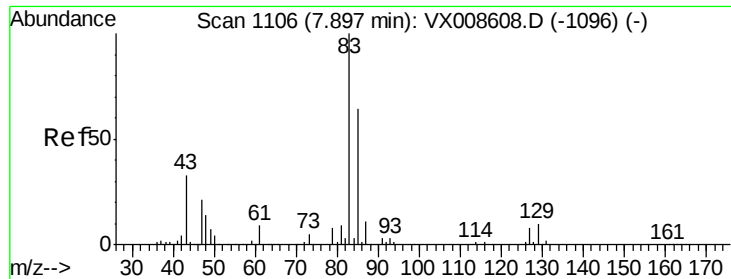


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.961 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

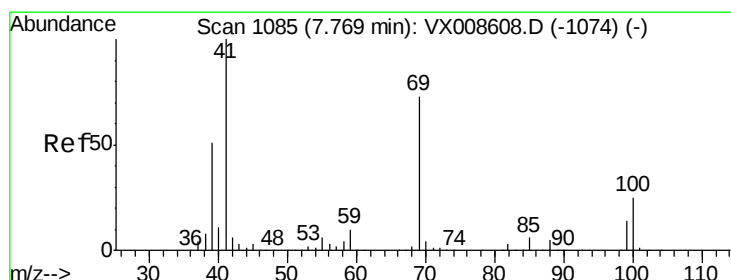
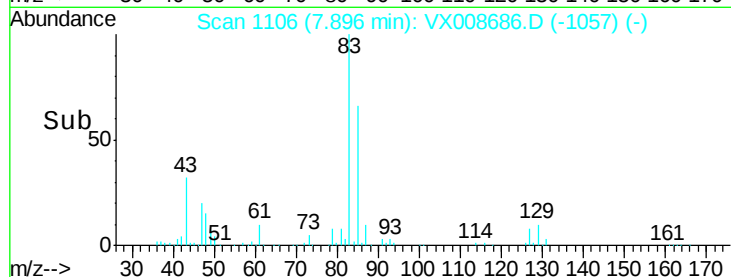
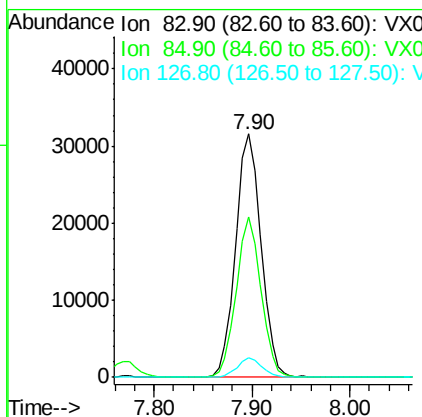
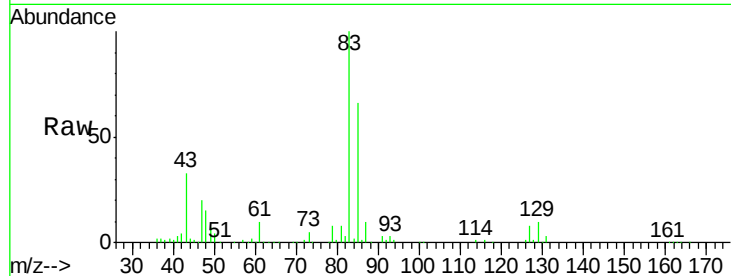
ClientSampleId :

VX0405WBS02

Tgt Ion:	83	Resp:	57177
Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.2	76.8
127	8.2	6.6	10.0

Manual Integrations
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MMDadoda
4/8/2019 9:49:53 AM



#48

Methyl methacrylate

Concen: 19.151 ug/l

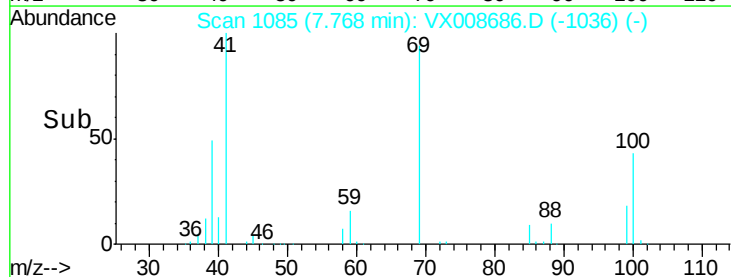
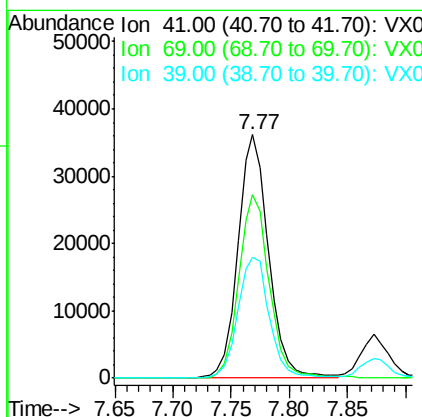
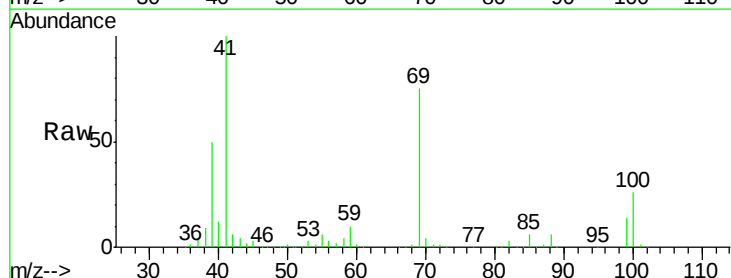
RT: 7.77 min Scan# 1085

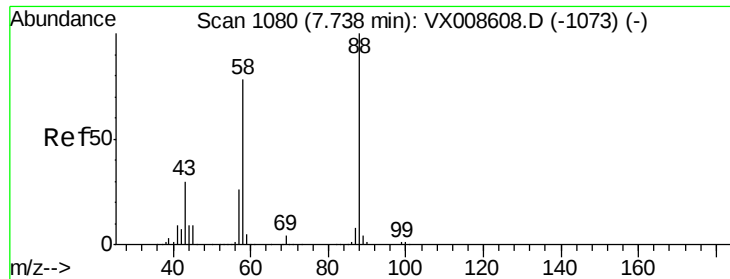
Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Tgt Ion:	41	Resp:	65688
Ion	Ratio	Lower	Upper
41	100		
69	75.6	59.0	88.4
39	51.8	41.0	61.4





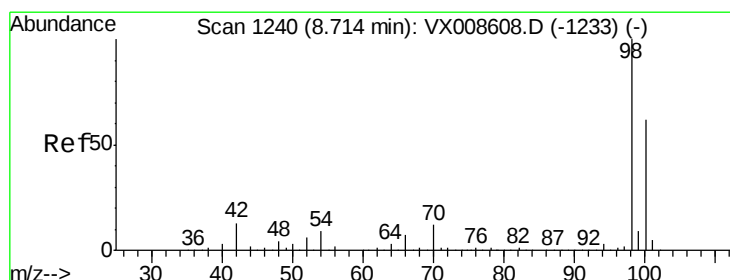
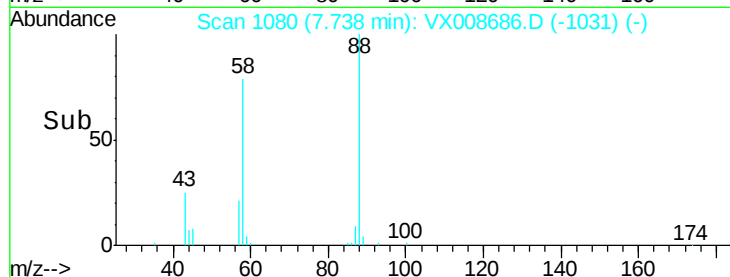
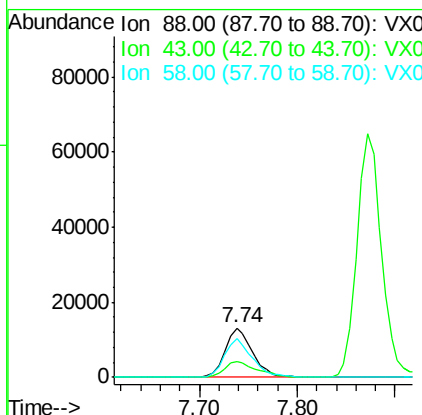
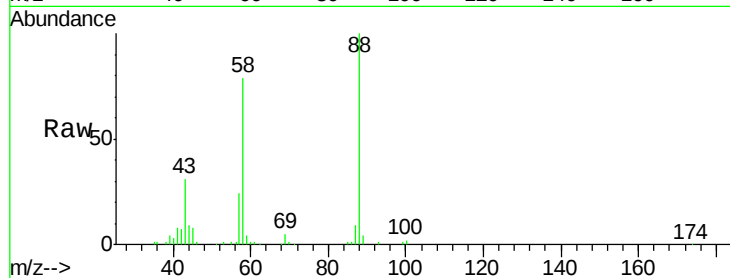
#49
1,4-Dioxane
Concen: 399.818 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.6	28.6	43.0
58	80.4	62.2	93.2

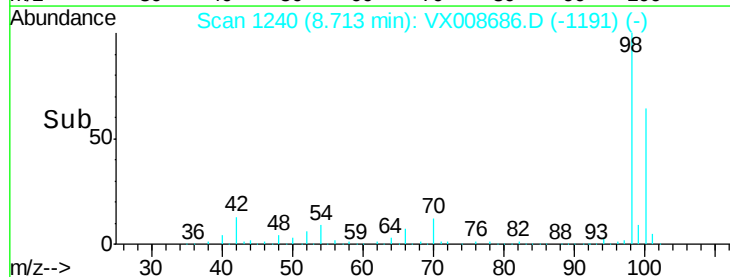
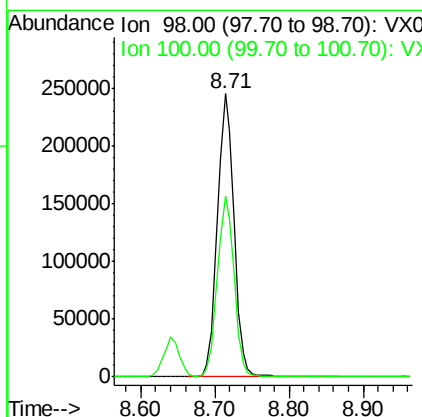
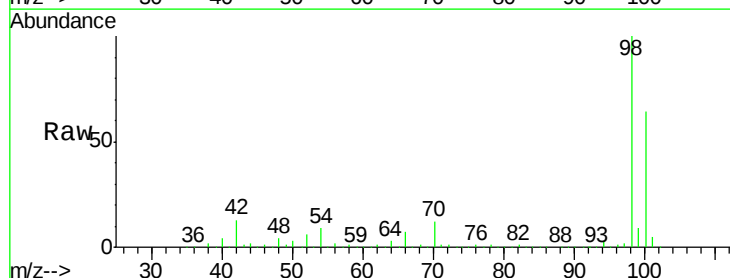
Manual Integrations
APPROVED

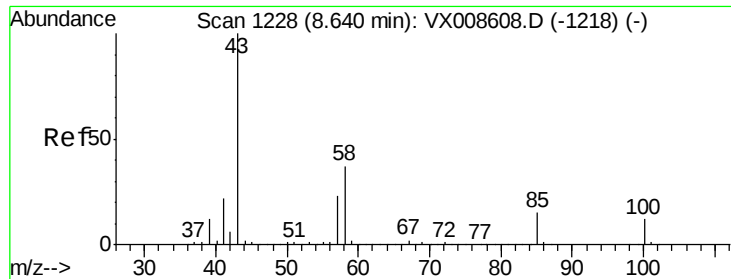
MMDadoda
4/8/2019 9:49:53 AM



#50
Toluene-d8
Concen: 49.903 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0





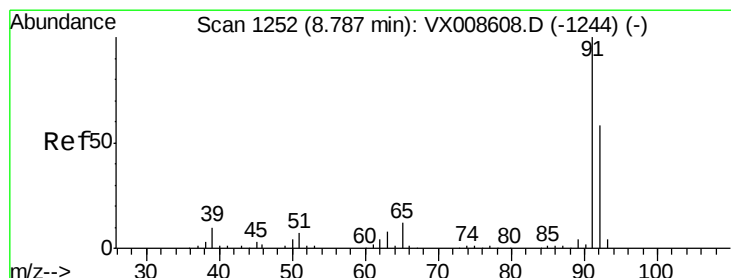
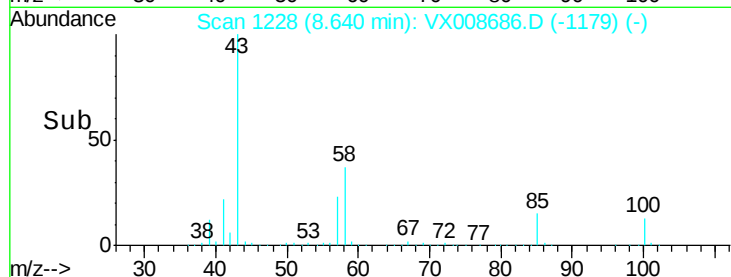
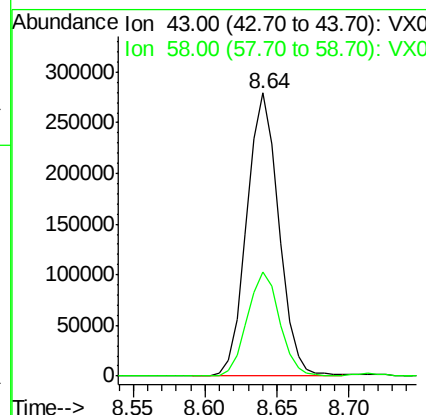
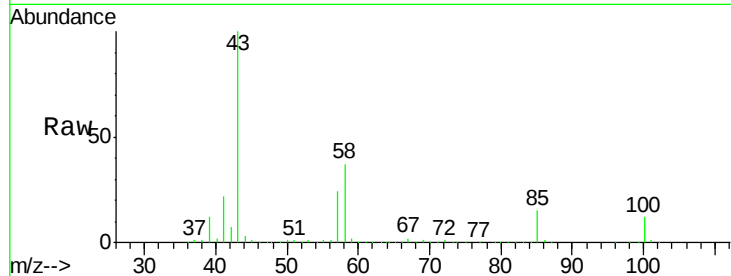
#51
4-Methyl-2-Pentanone
Concen: 98.553 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBS02

Tgt Ion: 43 Resp: 430184
Ion Ratio Lower Upper
43 100
58 37.0 29.5 44.3

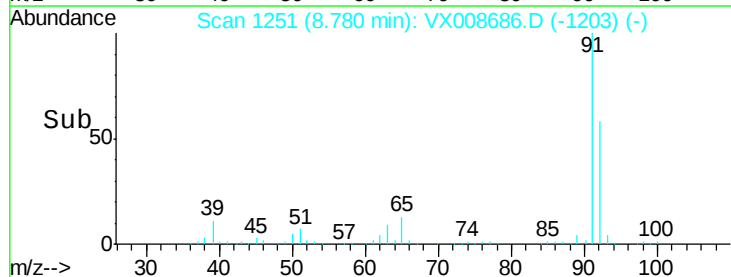
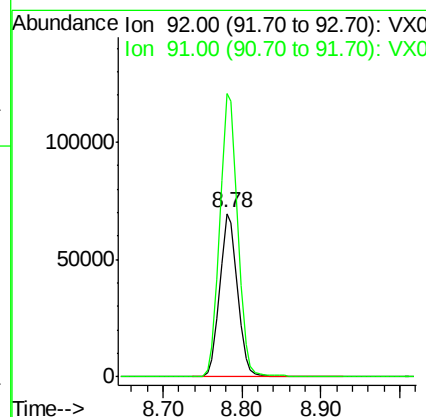
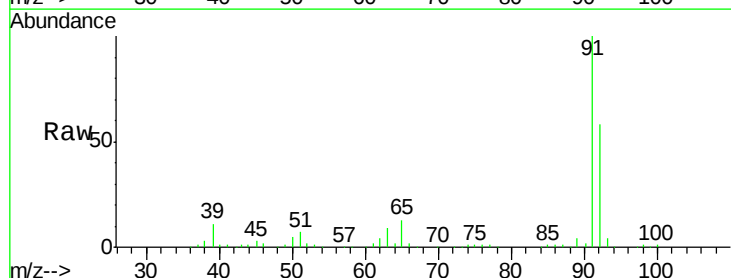
Manual Integrations
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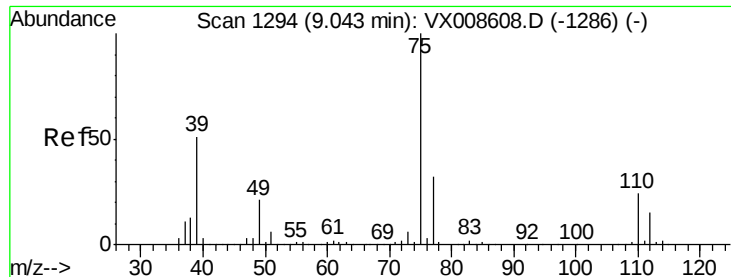
MMDadoda
4/8/2019 9:49:53 AM



#52
Toluene
Concen: 19.292 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Tgt Ion: 92 Resp: 109881
Ion Ratio Lower Upper
92 100
91 174.6 138.5 207.7





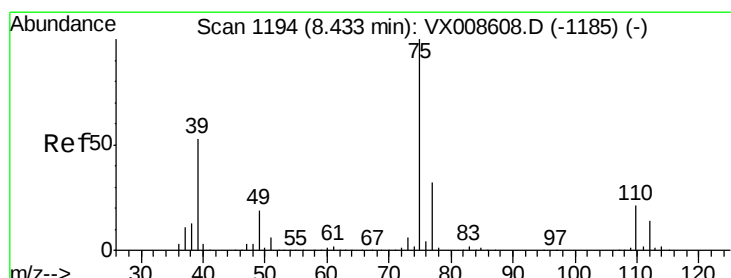
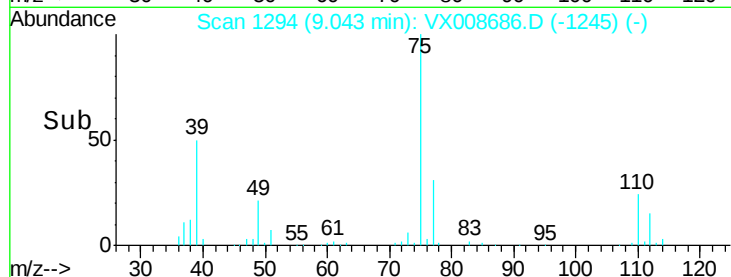
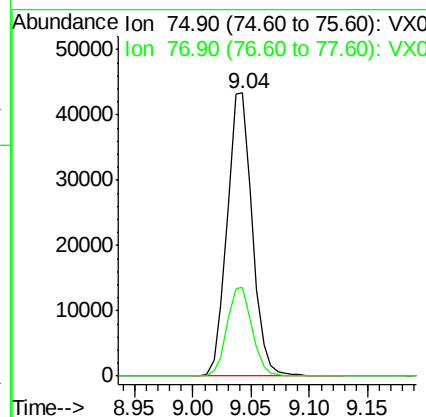
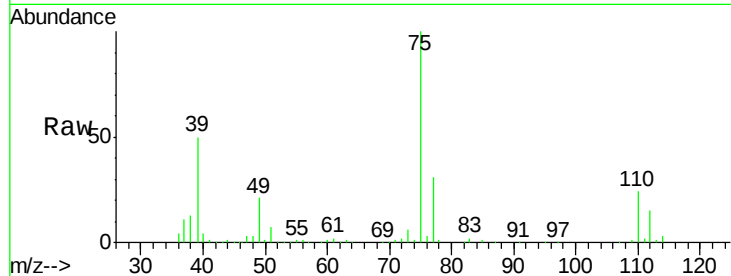
#53
t-1,3-Dichloropropene
Concen: 19.164 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBS02

Tgt Ion: 75 Resp: 64731
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8

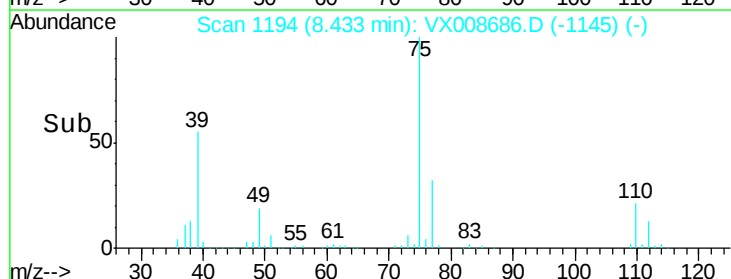
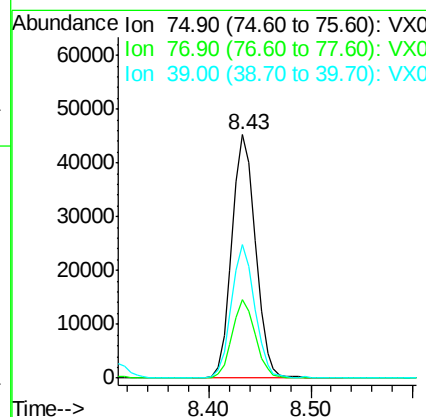
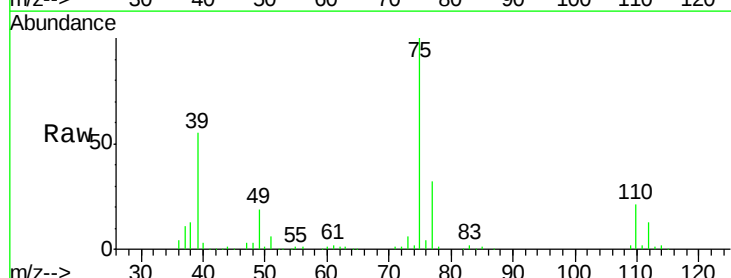
Manual Integrations
APPROVED

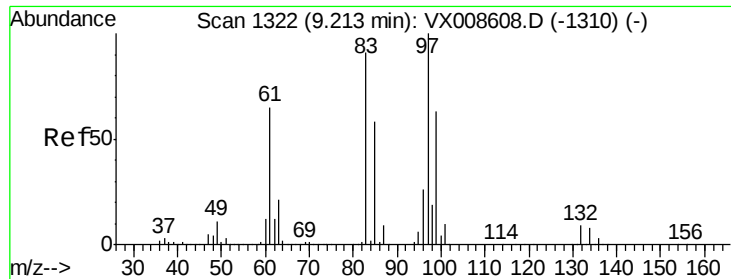
MMDadoda
4/8/2019 9:49:53 AM



#54
cis-1,3-Dichloropropene
Concen: 18.801 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Tgt Ion: 75 Resp: 72564
Ion Ratio Lower Upper
75 100
77 32.0 25.3 37.9
39 54.5 42.6 63.8





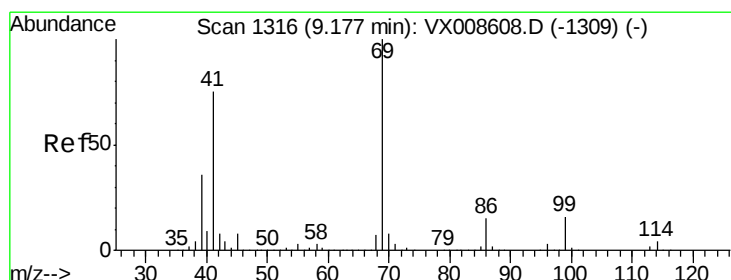
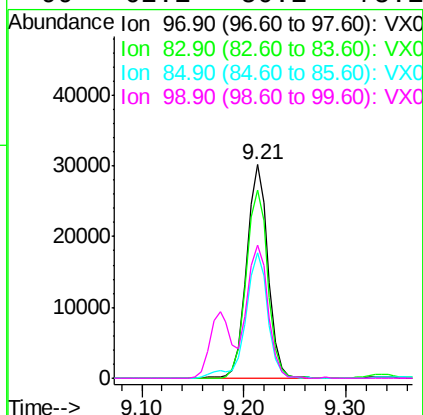
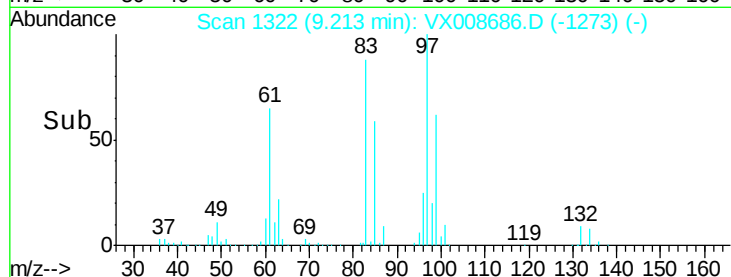
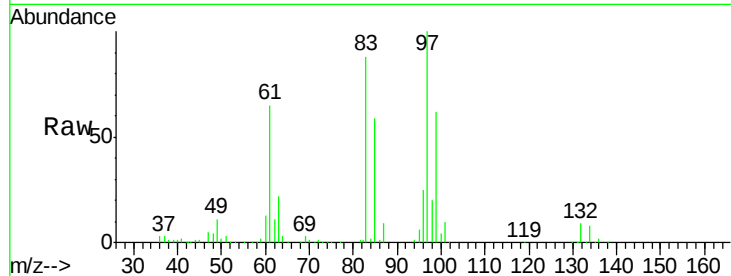
#55
 1,1,2-Trichloroethane
 Concen: 19.237 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008686.D
 Acq: 05 Apr 2019 17:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	43980		
83	87.9	73.2	109.8	
85	58.8	46.6	69.8	
99	62.1	50.1	75.1	

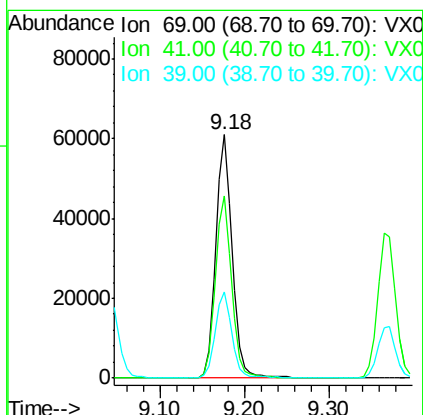
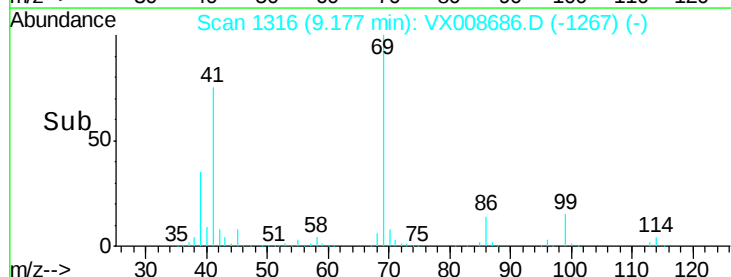
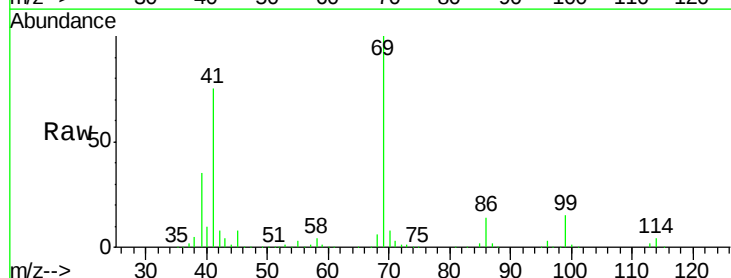
Manual Integrations
 APPROVED

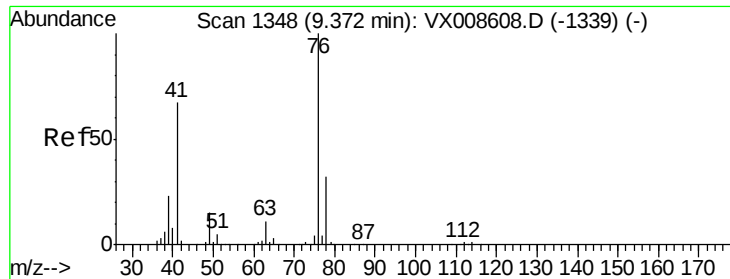
MMDadoda
 4/8/2019 9:49:53 AM



#56
 Ethyl methacrylate
 Concen: 19.980 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008686.D
 Acq: 05 Apr 2019 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	82651		
41	74.5	60.1	90.1	
39	35.4	28.9	43.3	





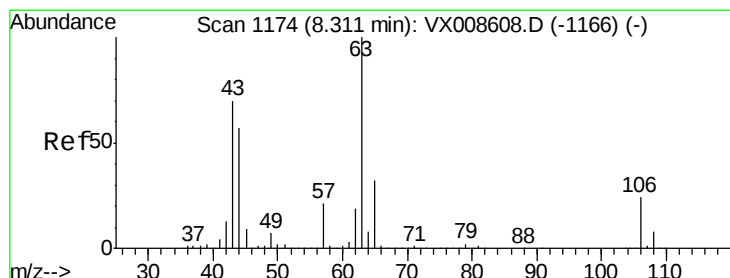
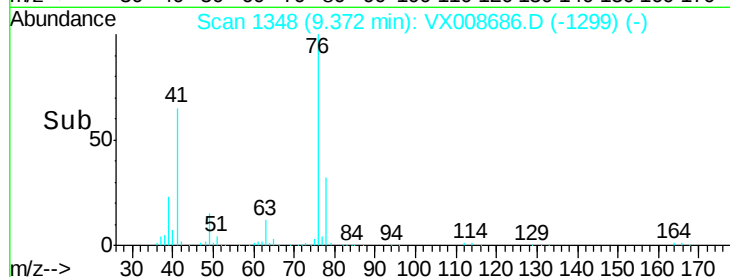
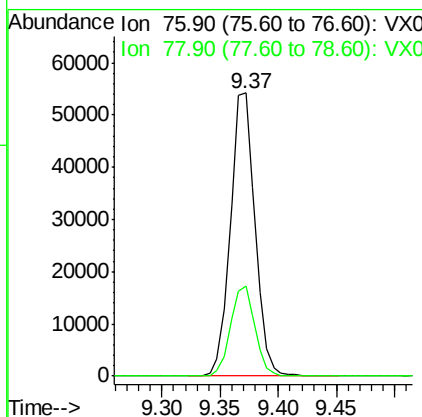
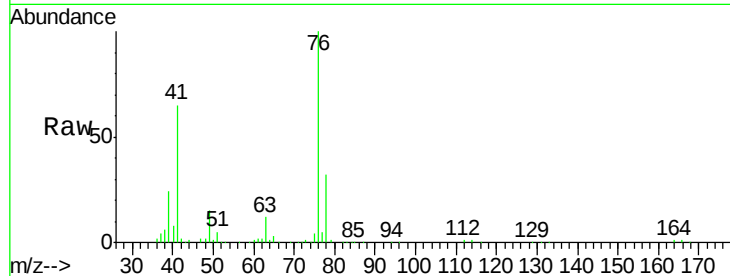
#57
 1,3-Dichloropropane
 Concen: 19.466 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008686.D
 Acq: 05 Apr 2019 17:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBS02

Tgt Ion: 76 Resp: 79915
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.6 38.4

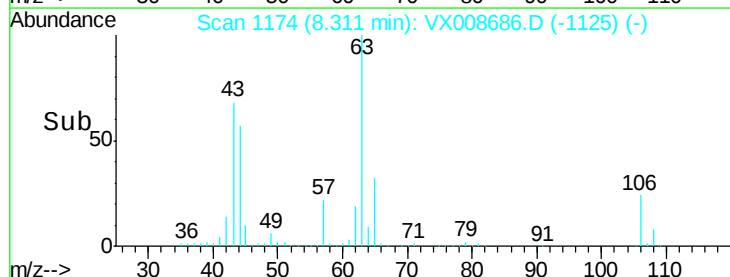
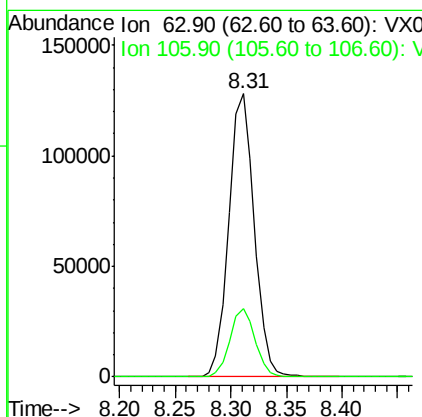
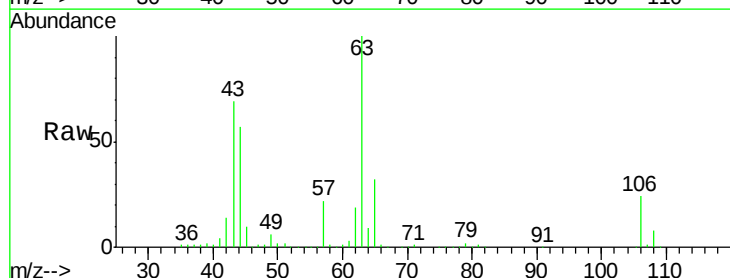
Manual Integrations
 APPROVED

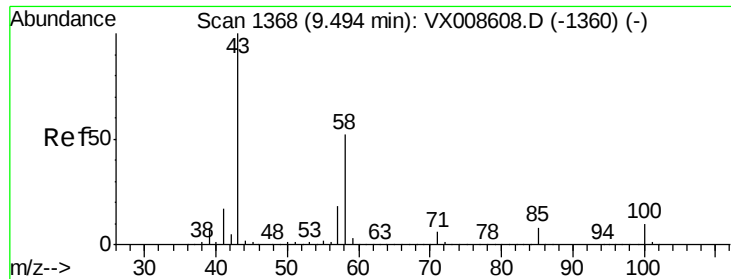
MMDadoda
 4/8/2019 9:49:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.174 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008686.D
 Acq: 05 Apr 2019 17:00

Tgt Ion: 63 Resp: 203141
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.0 28.6





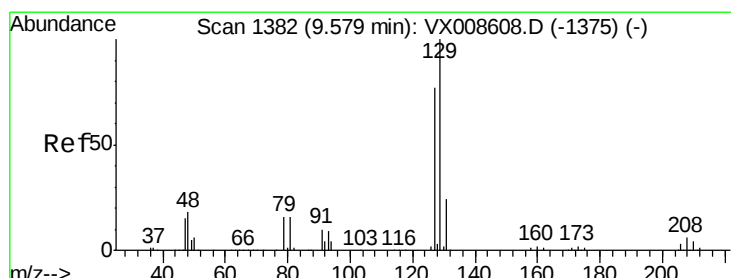
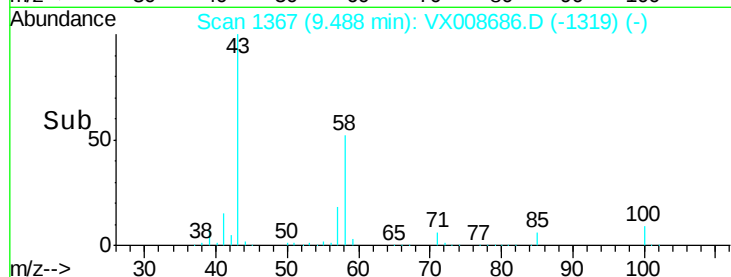
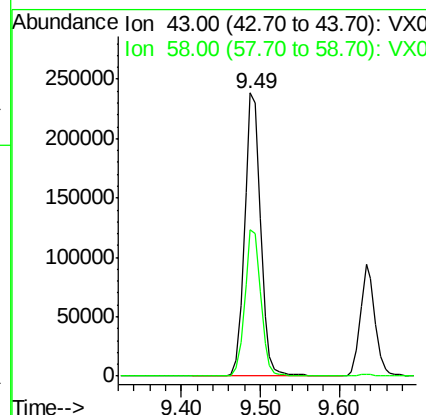
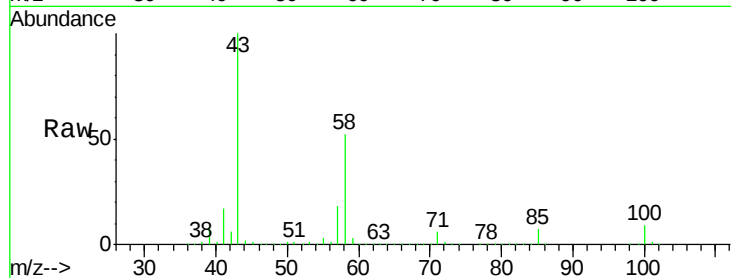
#59
2-Hexanone
Concen: 99.067 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampled :
VX0405WBS02

Tgt Ion: 43 Resp: 336059
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.7

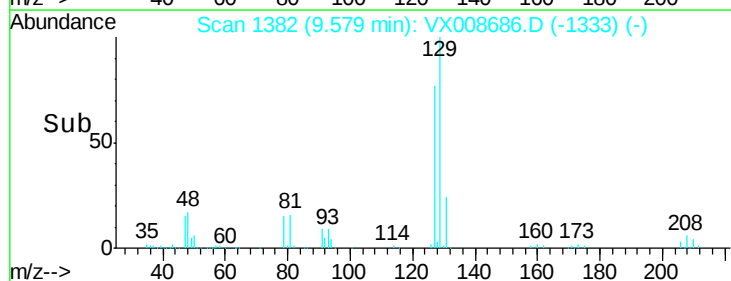
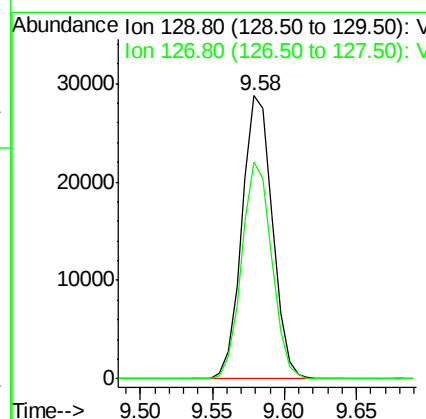
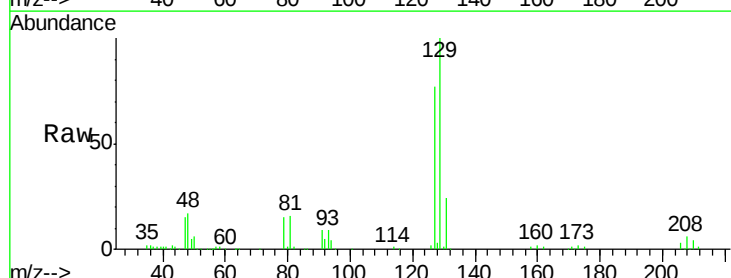
Manual Integrations
APPROVED

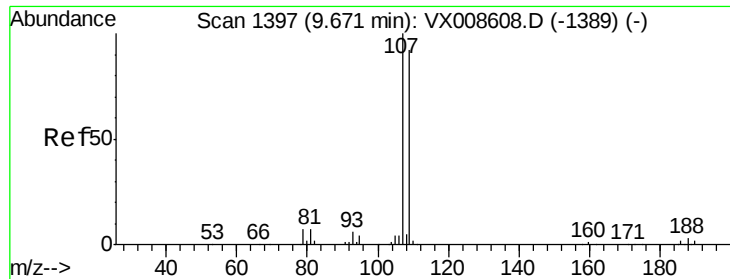
MMDadoda
4/8/2019 9:49:53 AM



#60
Dibromochloromethane
Concen: 19.589 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Tgt Ion: 129 Resp: 42202
Ion Ratio Lower Upper
129 100
127 75.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.106 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBS02

Tgt Ion: 107 Resp: 45474

Ion Ratio Lower Upper

107 100

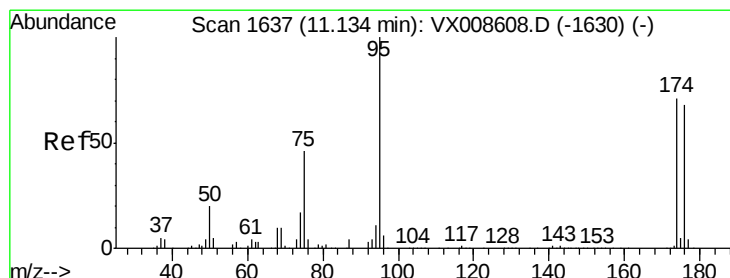
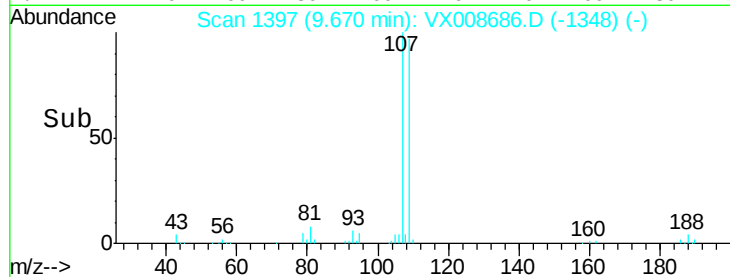
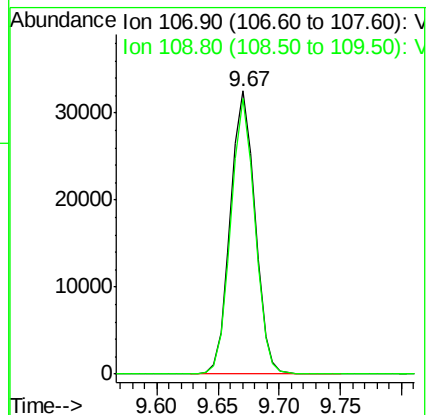
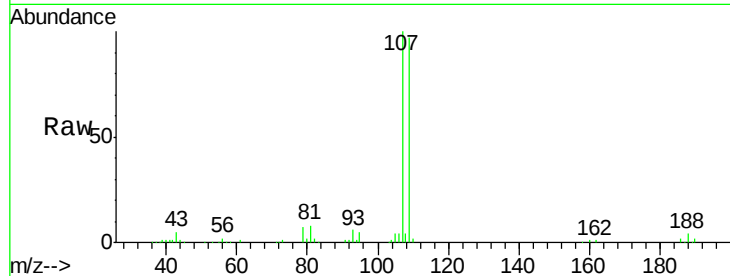
109 95.0 74.1 111.1

Manual Integrations

APPROVED

MMDadoda

4/8/2019 9:49:53 AM



#62

4-Bromofluorobenzene

Concen: 51.469 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

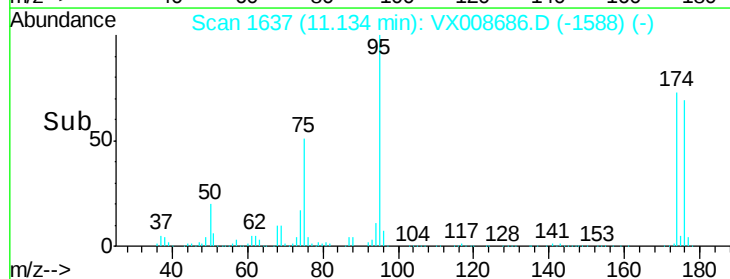
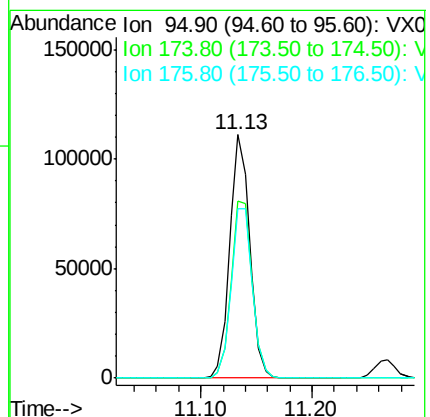
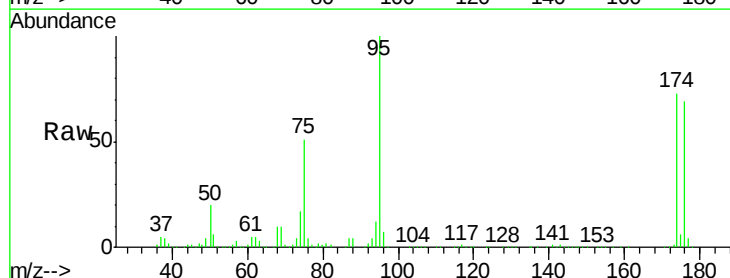
Tgt Ion: 95 Resp: 137847

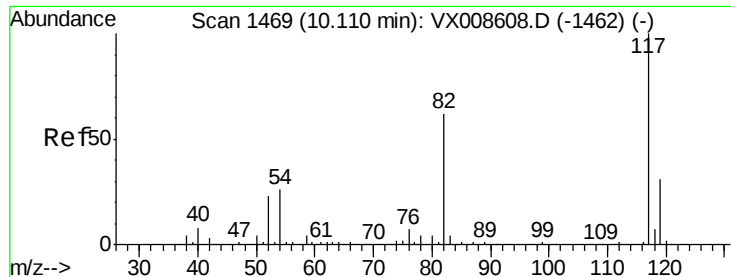
Ion Ratio Lower Upper

95 100

174 76.2 0.0 151.8

176 74.0 0.0 145.8





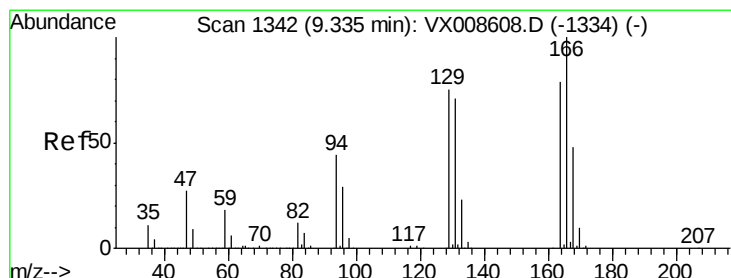
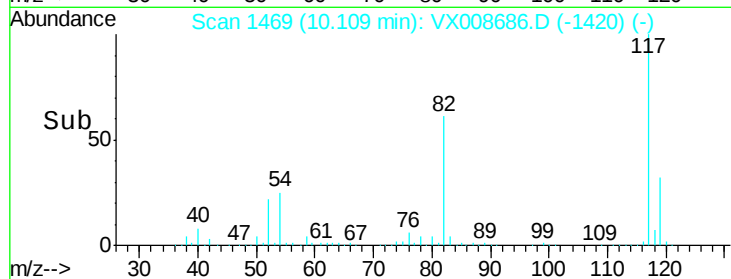
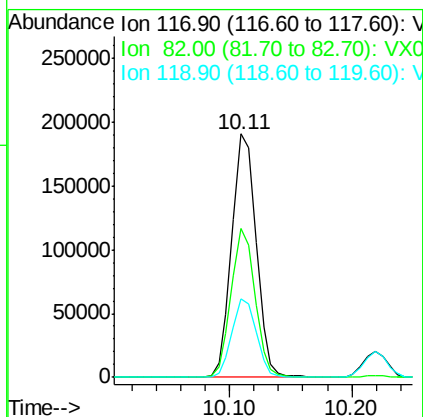
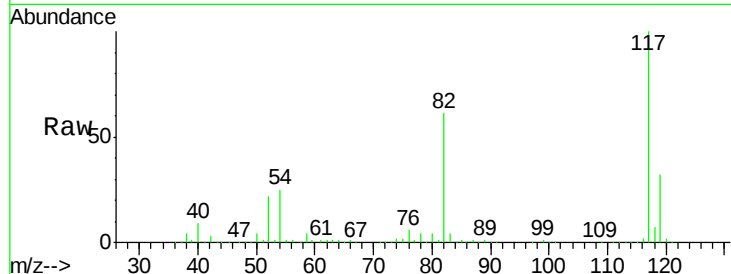
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBS02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.3	49.6	74.4
119	32.3	25.0	37.4

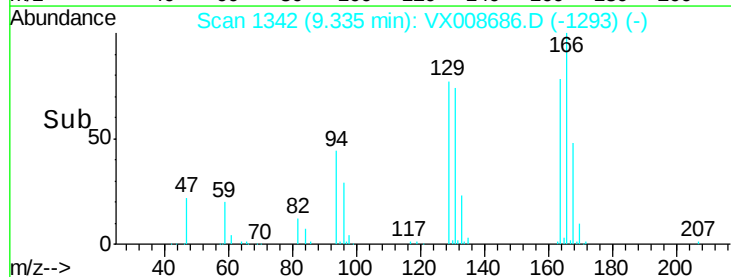
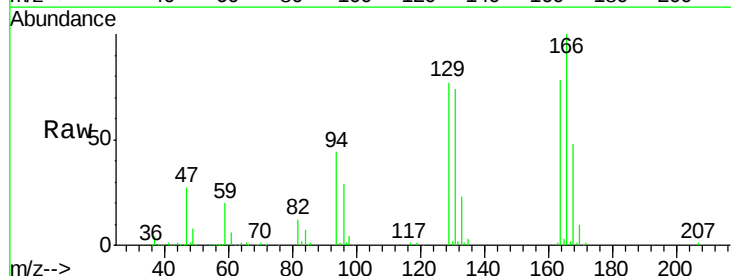
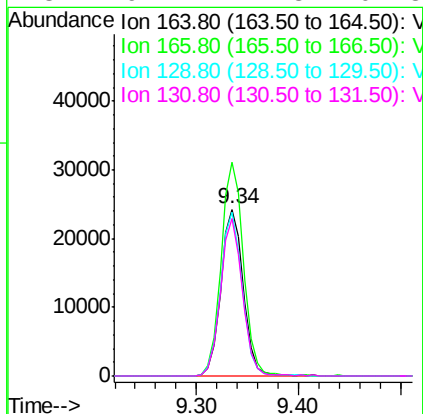
Manual Integrations
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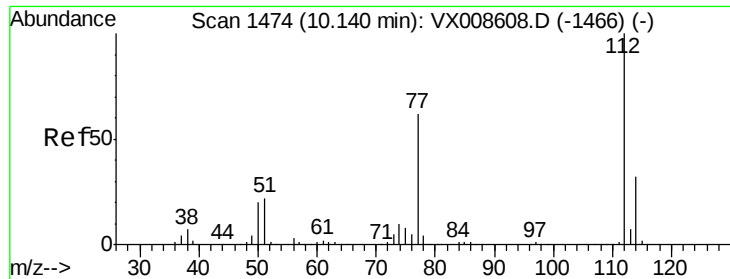
MMDadoda
4/8/2019 9:49:53 AM



#64
Tetrachloroethene
Concen: 18.795 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.0	151.6
129	98.2	75.8	113.8
131	94.4	71.8	107.8





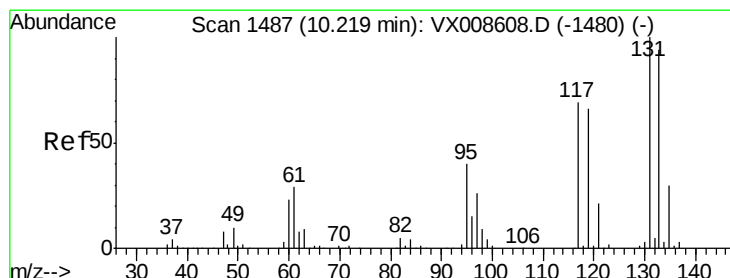
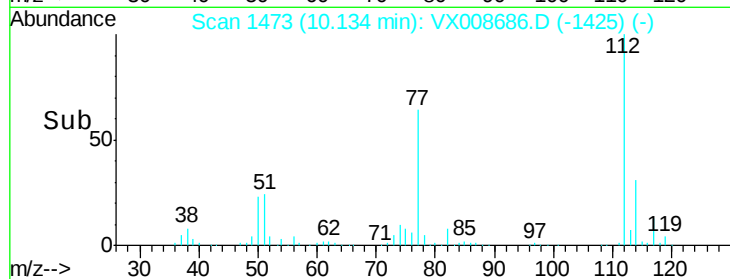
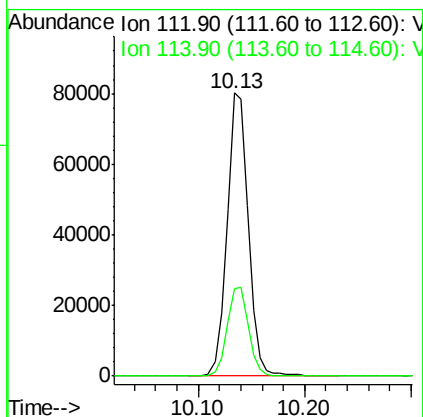
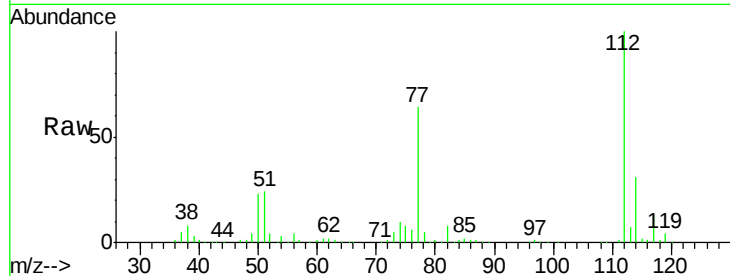
#65
Chlorobenzene
Concen: 19.096 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBS02

Tgt Ion:112 Resp: 111883
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.8

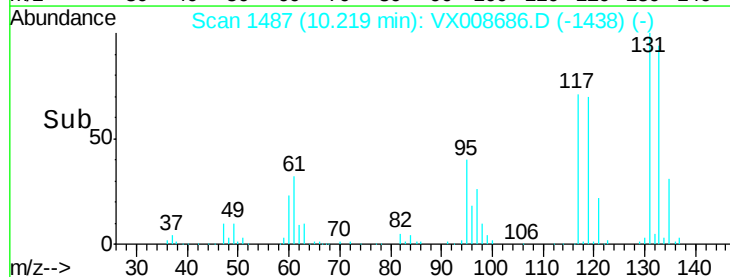
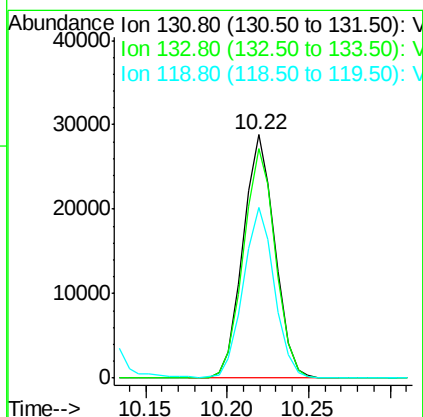
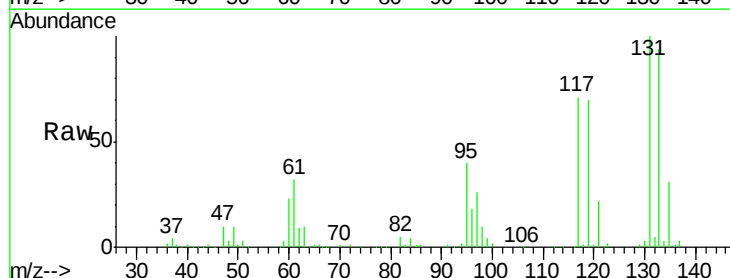
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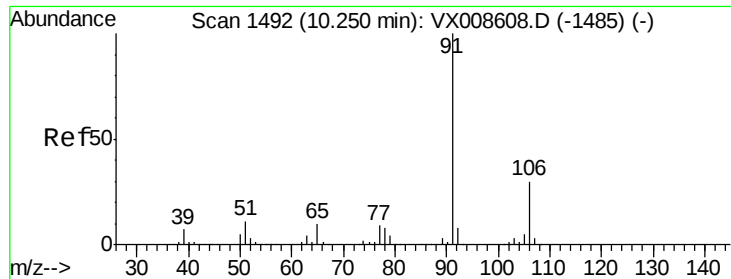
MMDadoda
4/8/2019 9:49:53 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.067 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Tgt Ion:131 Resp: 39191
Ion Ratio Lower Upper
131 100
133 94.9 47.0 141.2
119 68.7 33.7 101.0





#67

Ethyl Benzene

Concen: 19.053 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

ClientSampled :

VX0405WBS02

Tgt Ion: 91 Resp: 208158

Ion Ratio Lower Upper

91 100

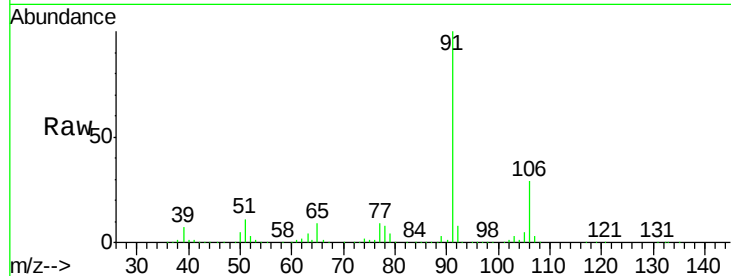
106 29.4 23.7 35.5

Manual Integrations

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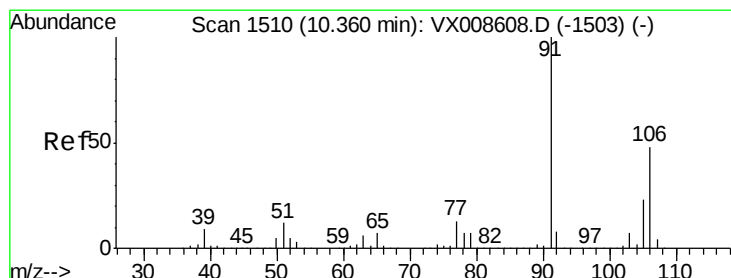
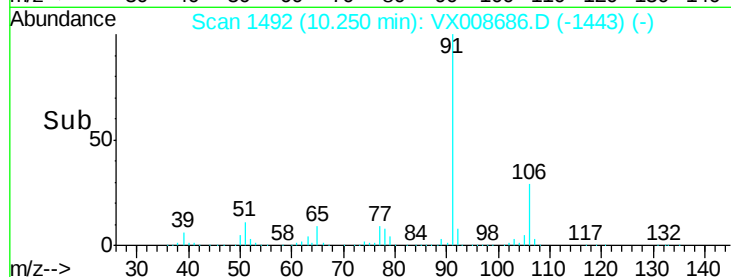
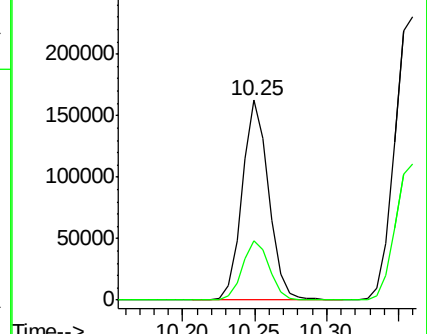
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.747 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008686.D

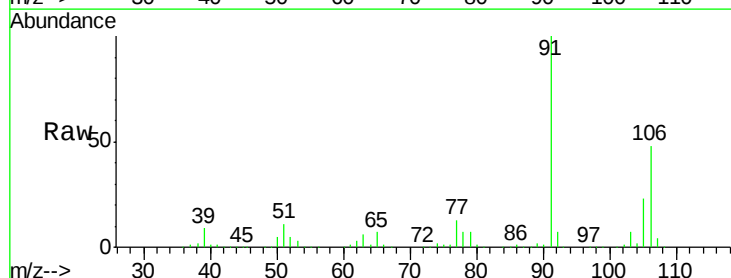
Acq: 05 Apr 2019 17:00

Tgt Ion: 106 Resp: 152204

Ion Ratio Lower Upper

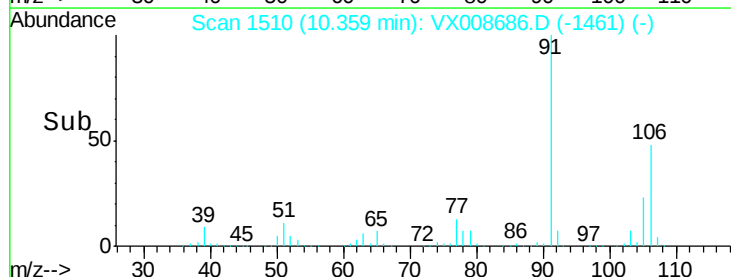
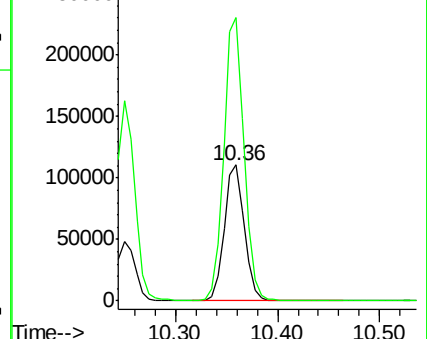
106 100

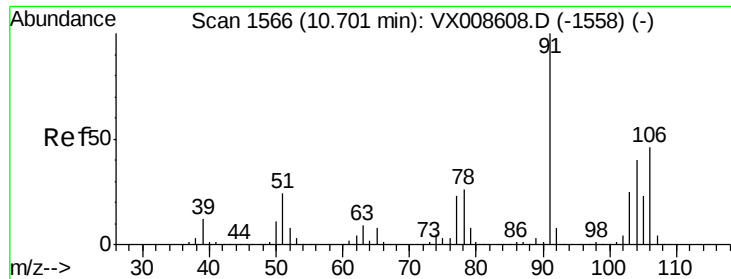
91 209.6 168.5 252.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





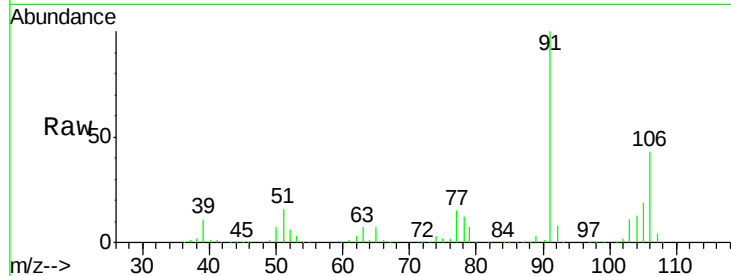
#69
o-Xylene
Concen: 19.450 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampled :
VX0405WBS02

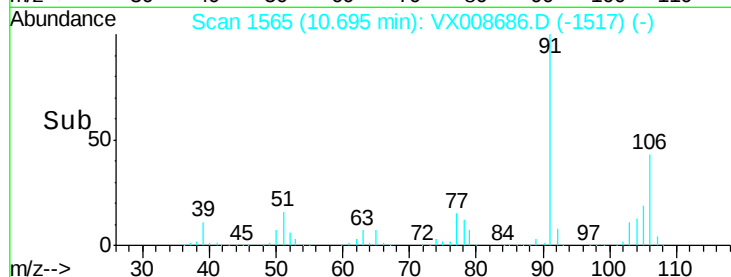
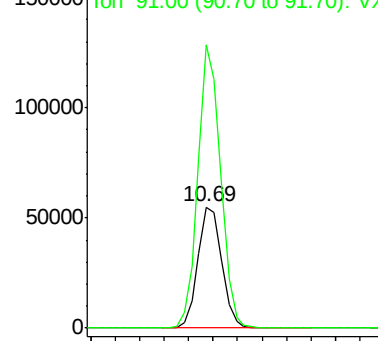
Tgt Ion:106 Resp: 74042
Ion Ratio Lower Upper
106 100
91 221.8 111.5 334.4

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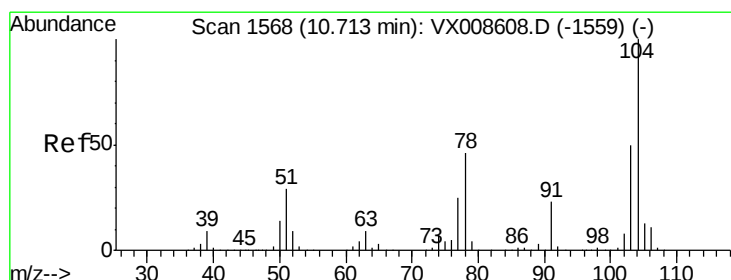
MMDadoda
4/8/2019 9:49:53 AM



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

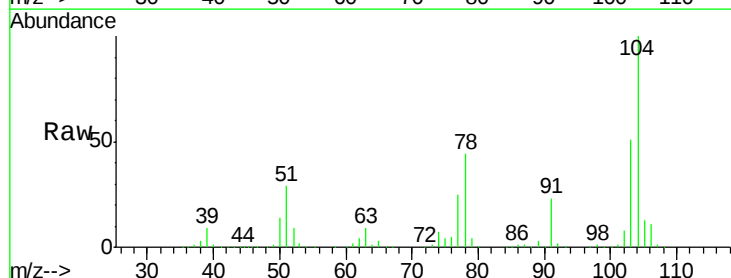


Time-->

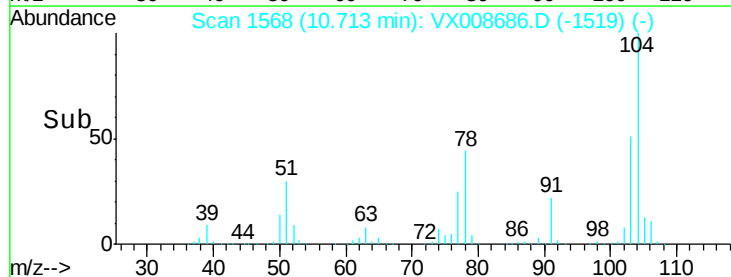
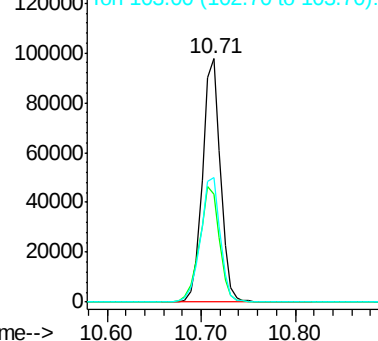


#70
Styrene
Concen: 19.646 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

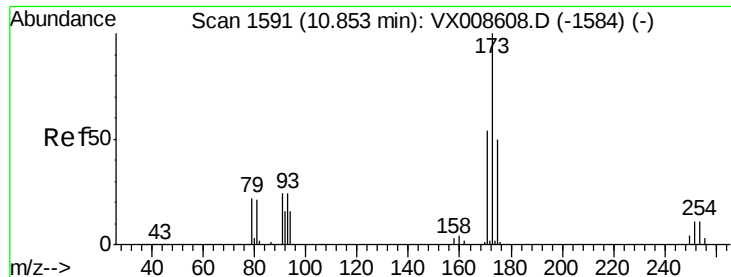
Tgt Ion:104 Resp: 128921
Ion Ratio Lower Upper
104 100
78 52.7 42.3 63.5
103 55.9 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time-->



#71

Bromoform

Concen: 19.200 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

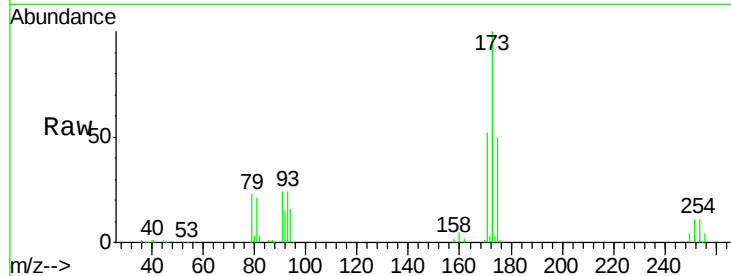
ClientSampleId :

VX0405WBS02

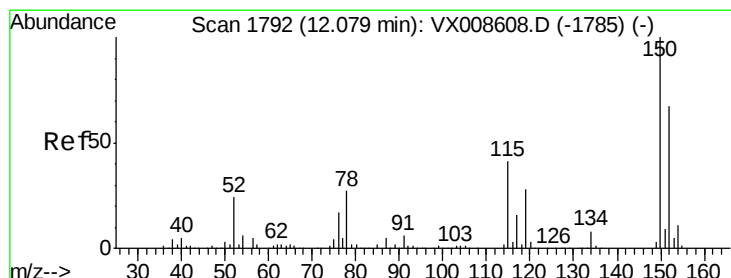
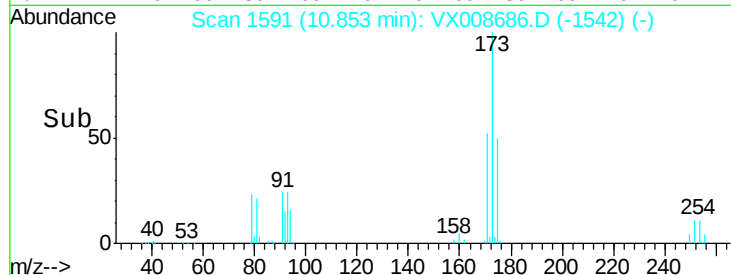
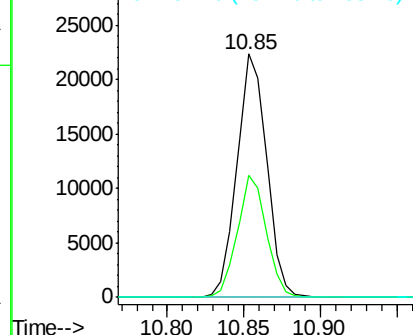
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.6
254	0.2	0.1	0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

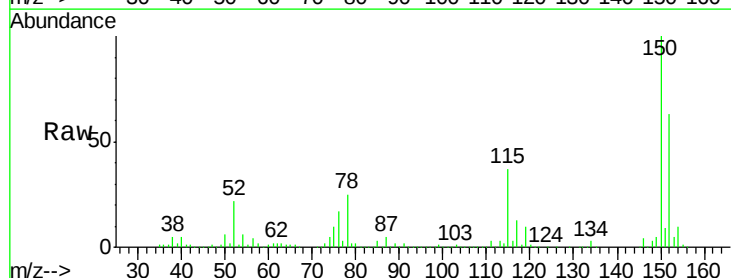
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

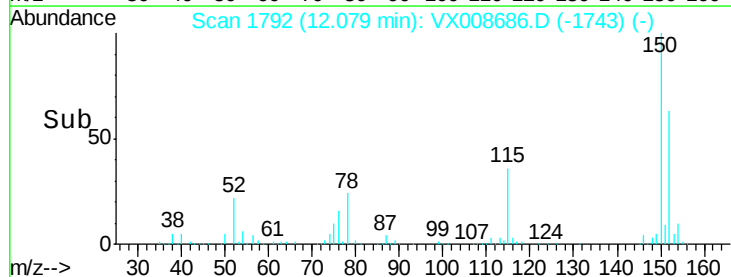
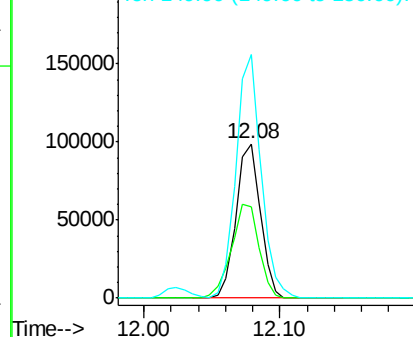
Lab File: VX008686.D

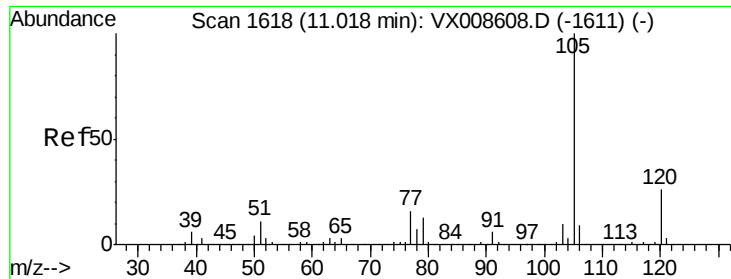
Acq: 05 Apr 2019 17:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	69.1	43.5	130.5
150	162.6	0.0	348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.241 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBS02

Tgt Ion: 105 Resp: 196424

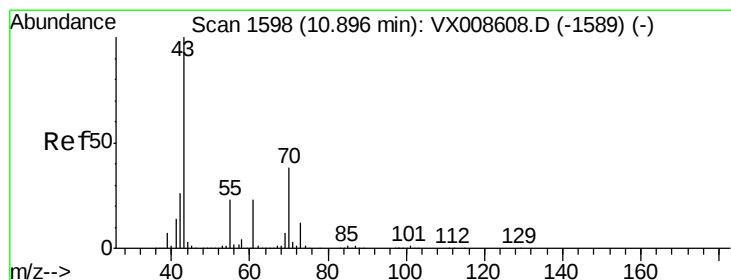
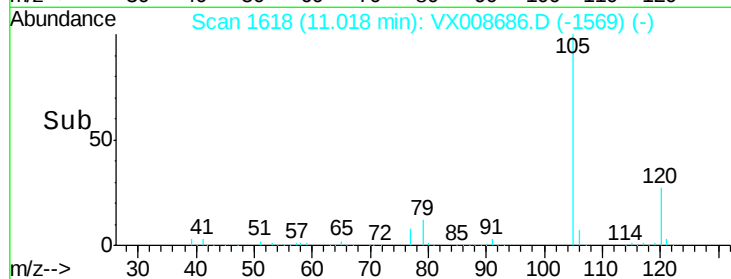
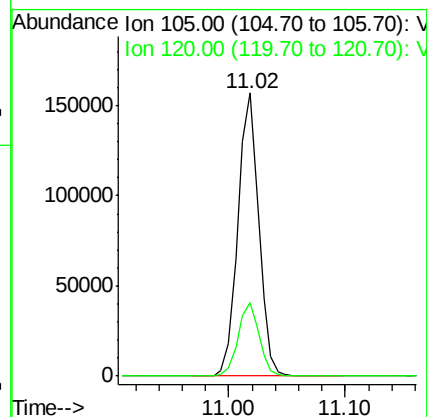
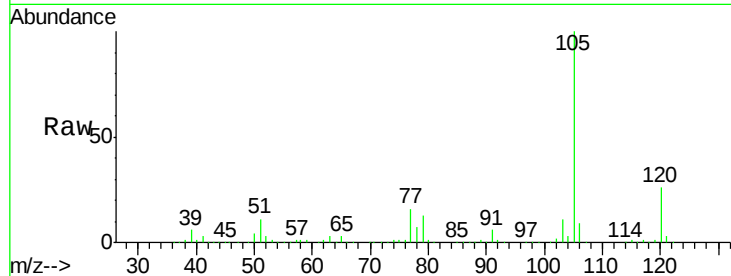
Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.6

Manual Integrations
APPROVED

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4/8/2019 9:49:53 AM



#74

N-ethyl acetate

Concen: 19.550 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Tgt Ion: 43 Resp: 117417

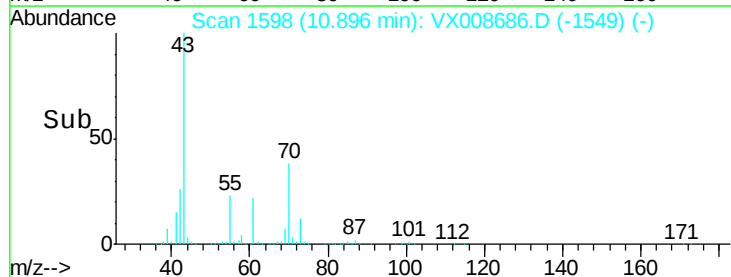
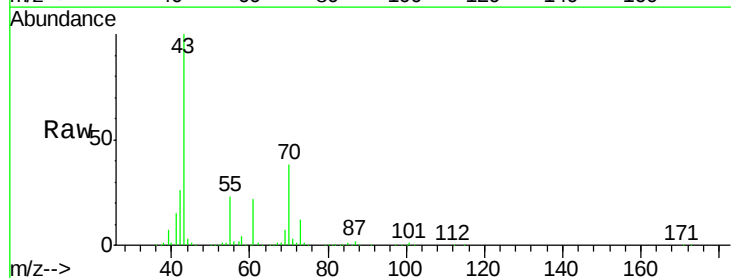
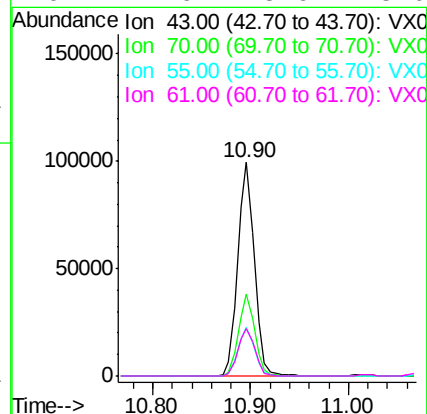
Ion Ratio Lower Upper

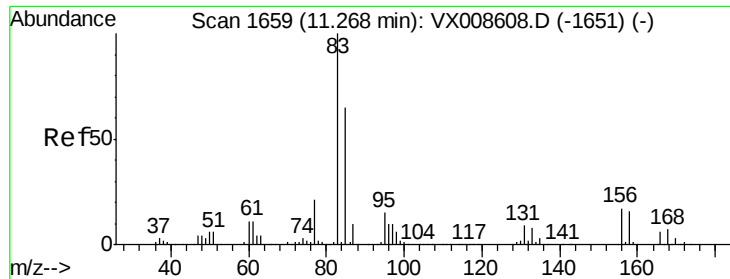
43 100

70 37.5 30.2 45.4

55 22.8 18.2 27.4

61 22.6 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.087 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

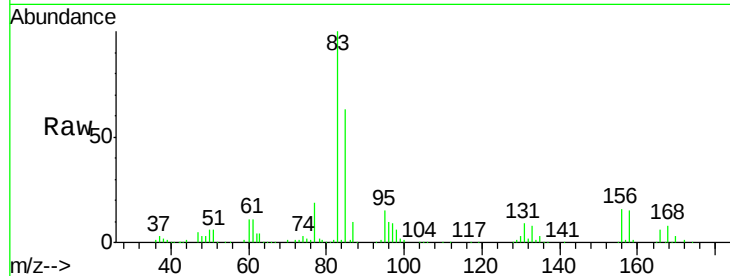
ClientSampleId :

VX0405WBS02

Tgt Ion:	83	Resp:	74105
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.5	13.7
85	63.3	32.0	96.2

Manual Integrations
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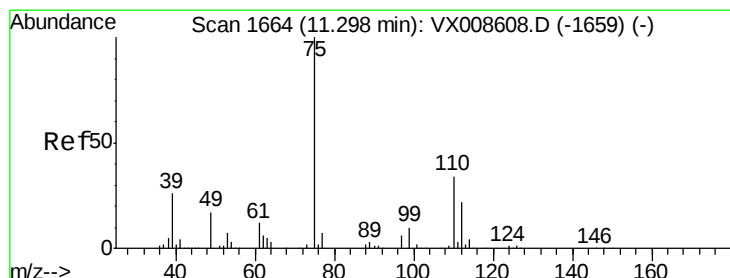
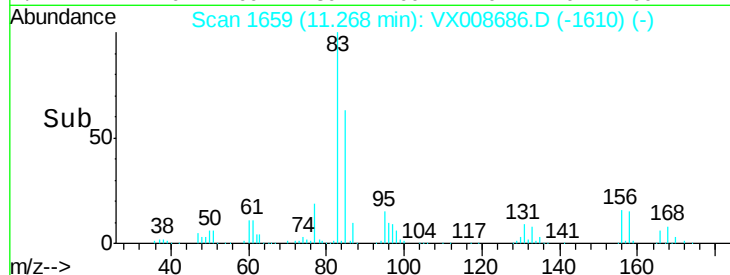
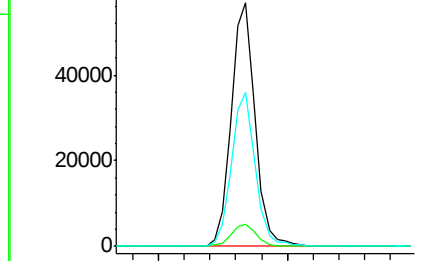
MMDadoda
4/8/2019 9:49:53 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 18.848 ug/l m

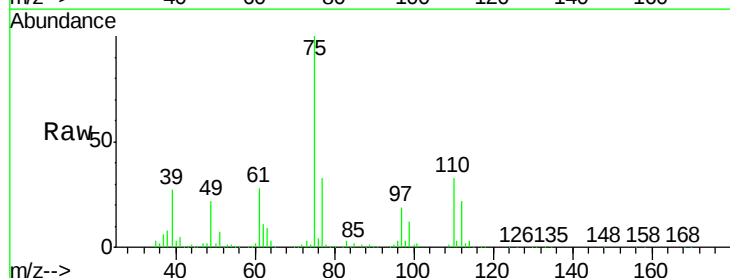
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX008686.D

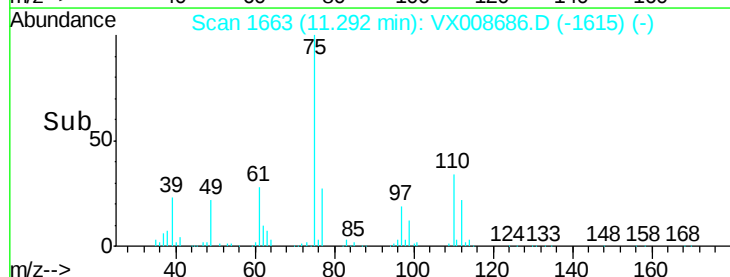
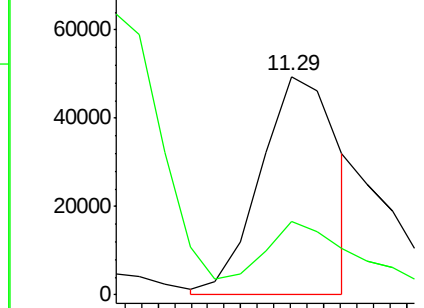
Acq: 05 Apr 2019 17:00

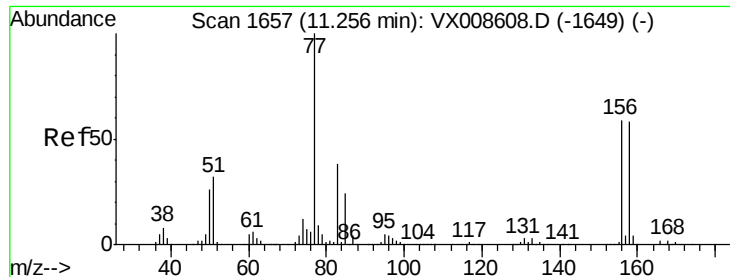
Tgt Ion:	75	Resp:	63779
Ion Ratio	Lower	Upper	
75	100		
77	42.8	22.3	66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.524 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBS02

Tgt Ion:156 Resp: 47915

Ion Ratio Lower Upper

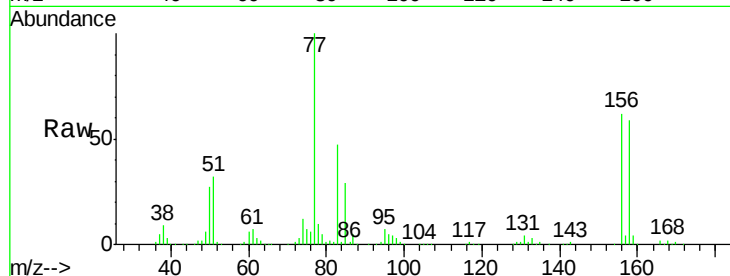
156 100

77 173.4 89.8 269.6

158 96.2 48.6 145.9

Manual Integrations
APPROVED

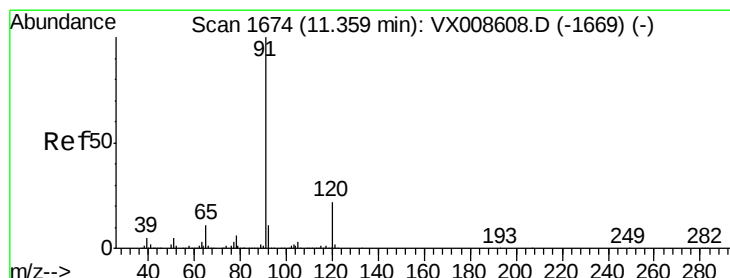
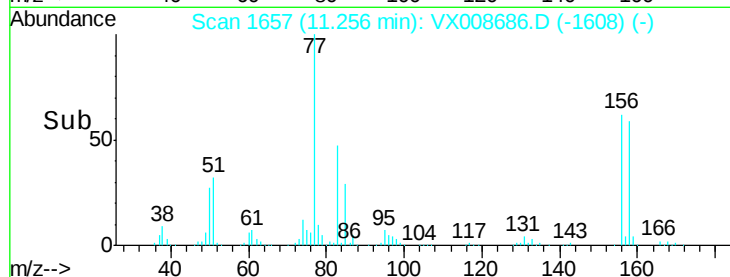
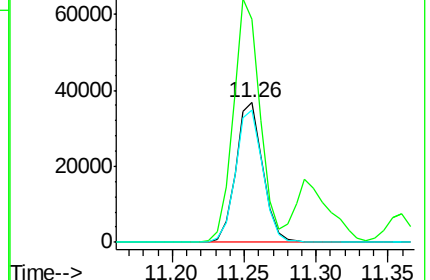
MMDadoda
4/8/2019 9:49:53 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.990 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008686.D

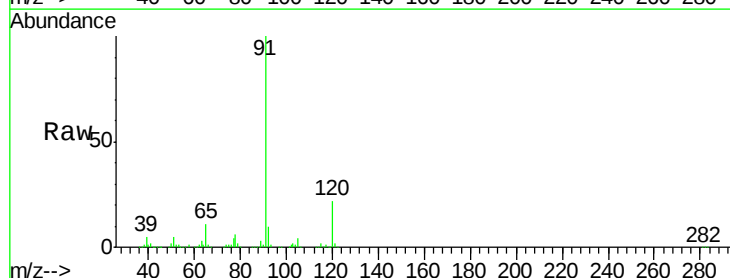
Acq: 05 Apr 2019 17:00

Tgt Ion: 91 Resp: 225720

Ion Ratio Lower Upper

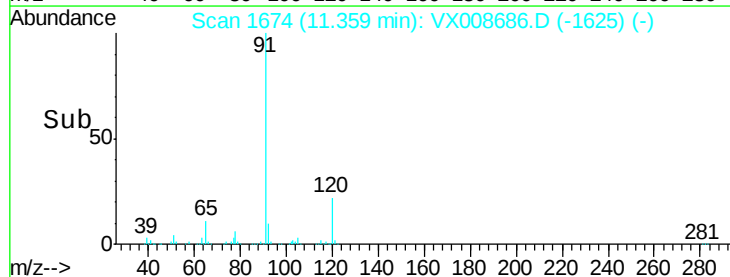
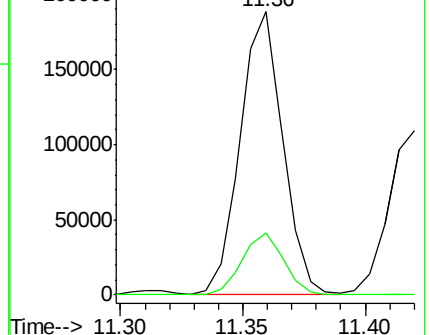
91 100

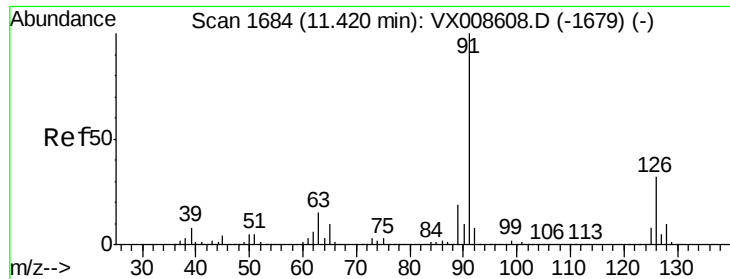
120 21.9 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





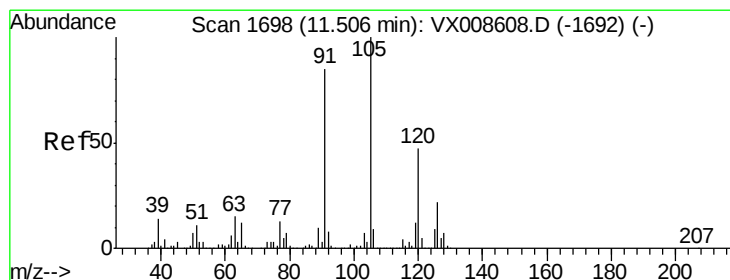
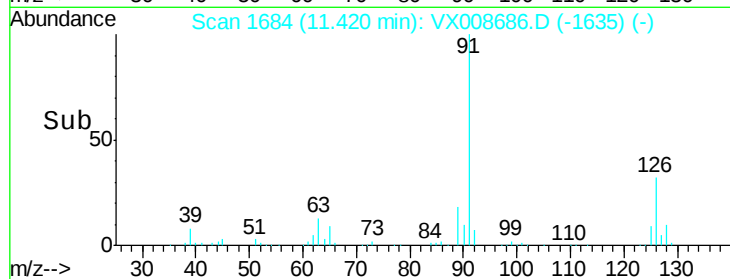
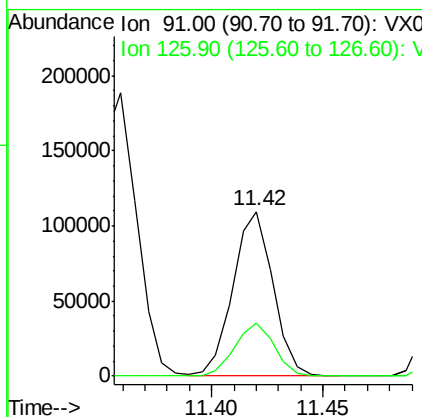
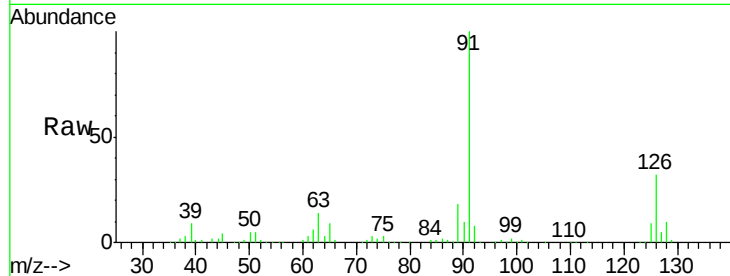
#79
 2-Chlorotoluene
 Concen: 19.023 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX008686.D
 Acq: 05 Apr 2019 17:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBS02

Tgt Ion: 91 Resp: 136832
 Ion Ratio Lower Upper
 91 100
 126 31.8 16.1 48.3

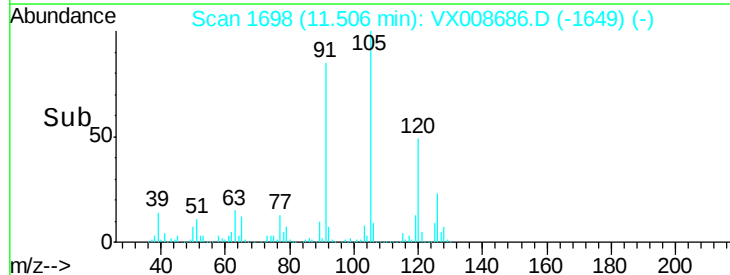
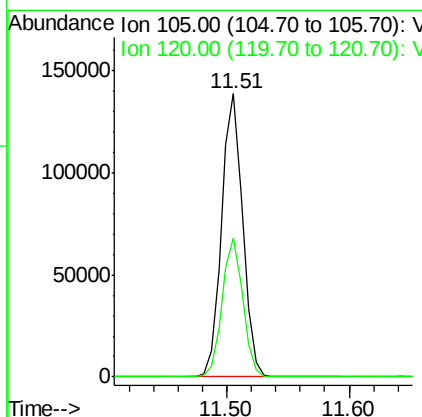
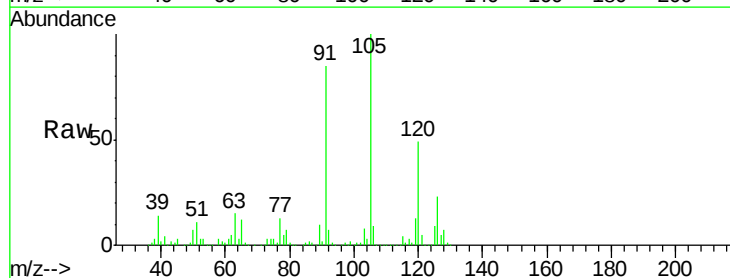
Manual Integrations
 APPROVED

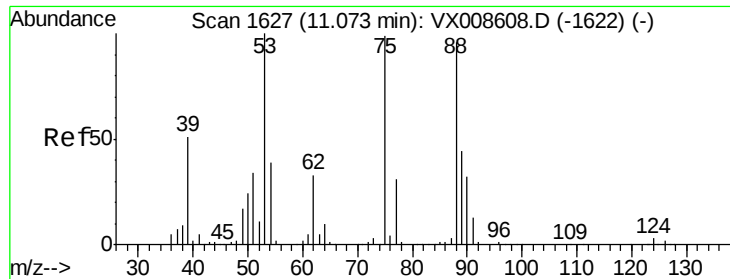
MMDadoda
 4/8/2019 9:49:53 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.423 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008686.D
 Acq: 05 Apr 2019 17:00

Tgt Ion: 105 Resp: 166435
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.5 70.6





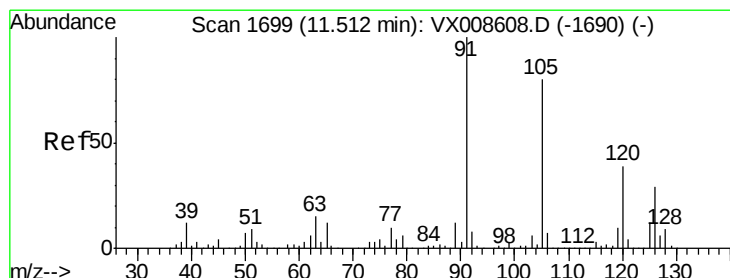
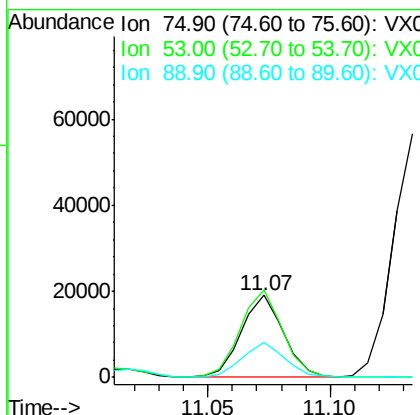
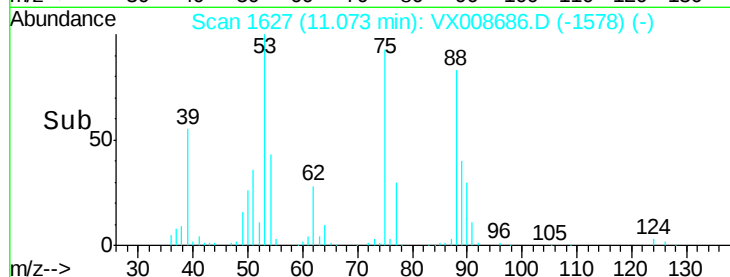
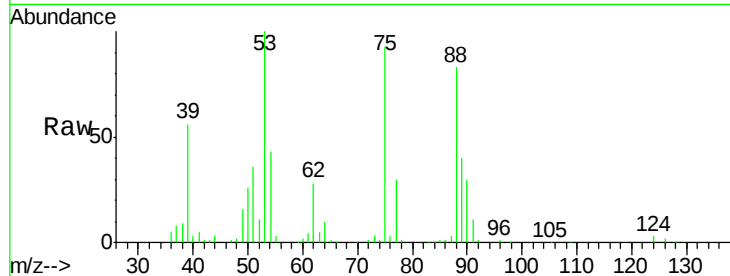
#81
trans-1,4-Dichloro-2-butene
Concen: 18.436 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBS02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	107.2	81.3	121.9
89	43.8	35.6	53.4

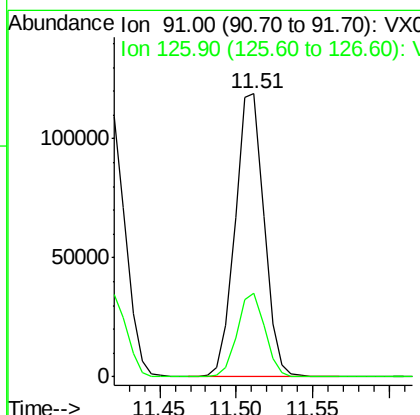
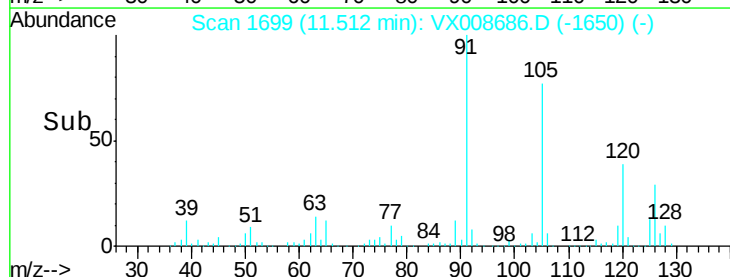
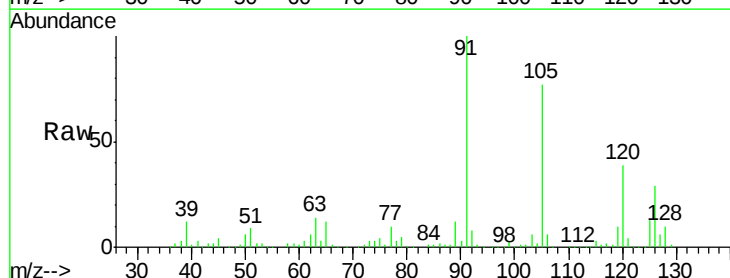
Manual Integrations
APPROVED

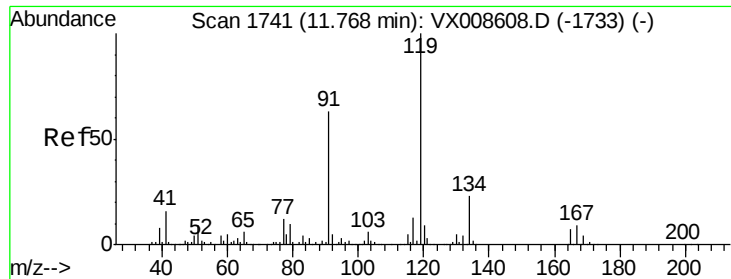
MMDadoda
4/8/2019 9:49:53 AM



#82
4-Chlorotoluene
Concen: 18.667 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	13.9	41.6





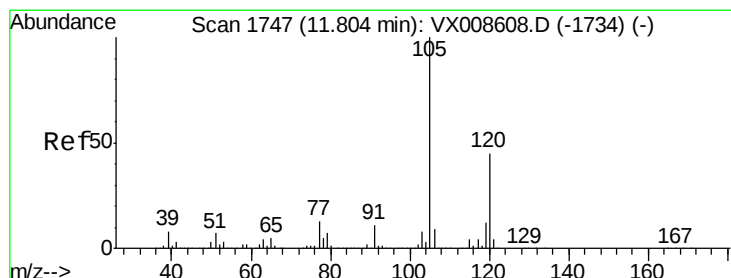
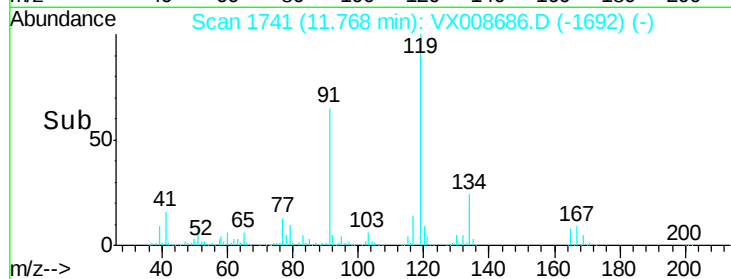
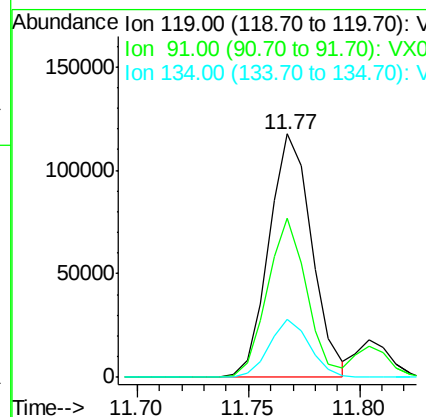
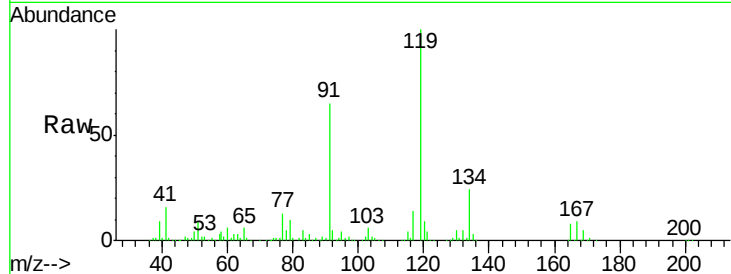
#83
tert-Butylbenzene
Concen: 19.073 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	157236		
91	60.4	30.0	90.1	
134	22.4	11.1	33.3	

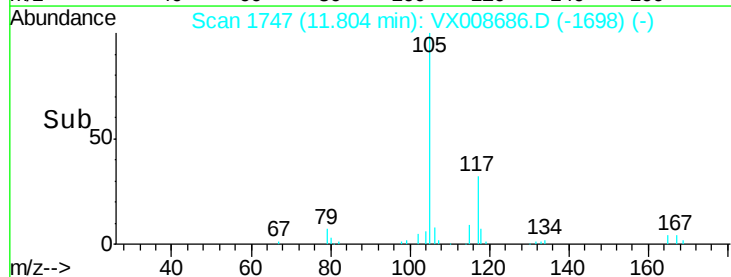
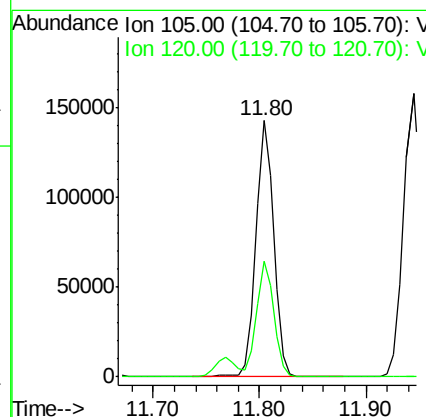
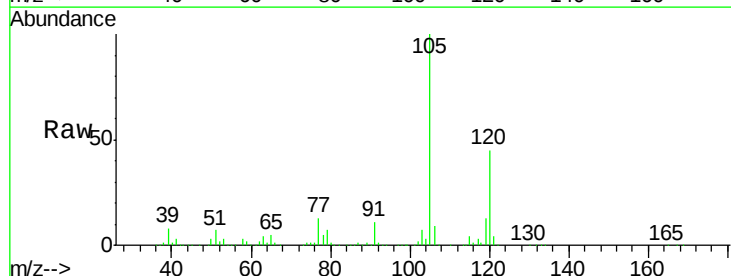
Manual Integrations
APPROVED

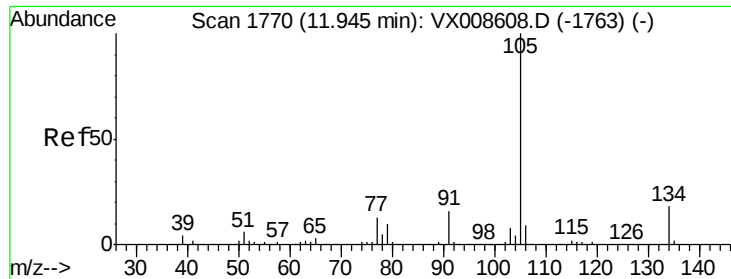
MMDadoda
4/8/2019 9:49:53 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.399 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	168322		
120	43.5	21.8	65.3	





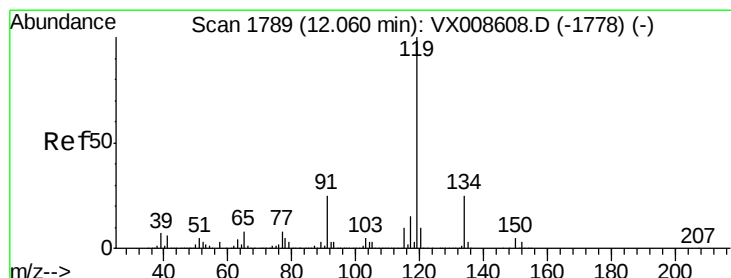
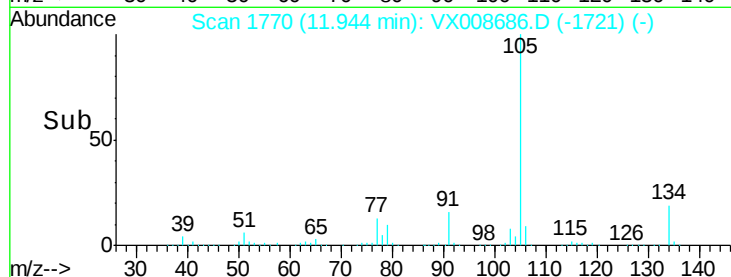
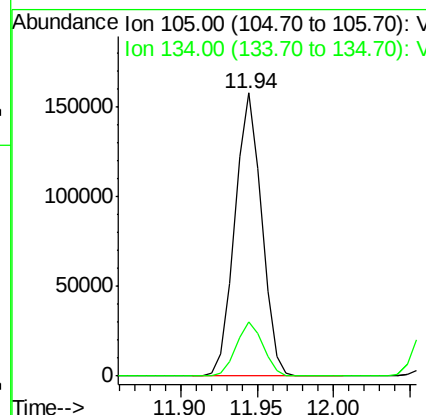
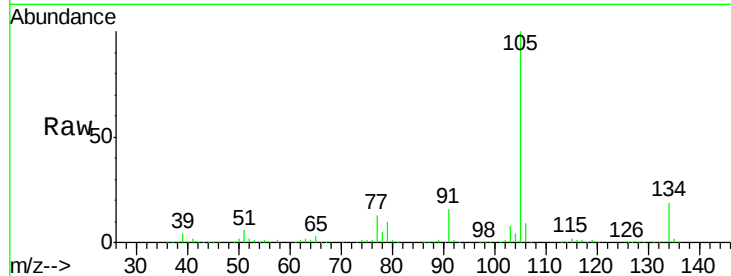
#85
 sec-Butylbenzene
 Concen: 19.483 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008686.D
 Acq: 05 Apr 2019 17:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBS02

Tgt Ion:105 Resp: 190788
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.4 28.2

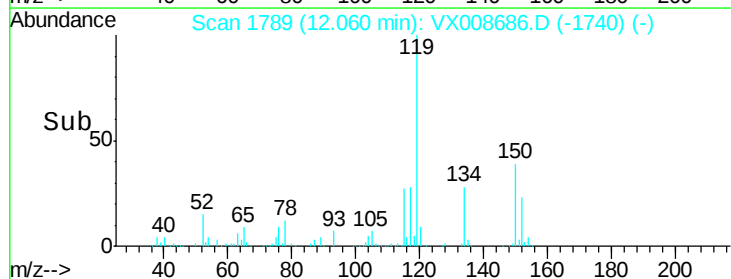
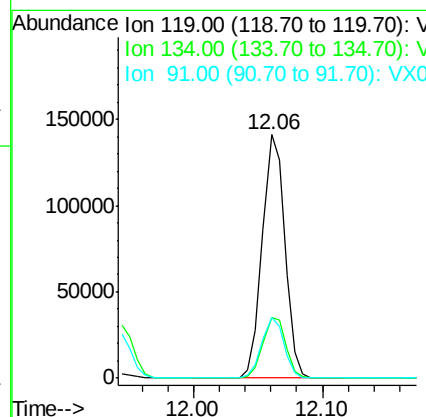
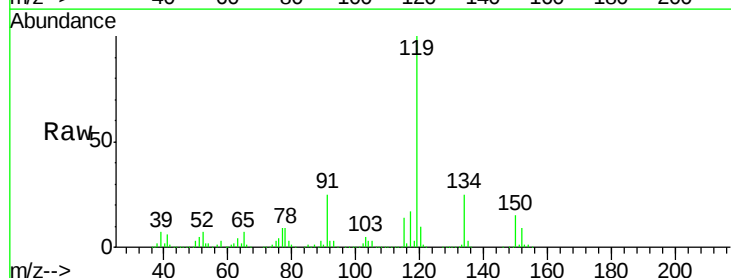
Manual Integrations
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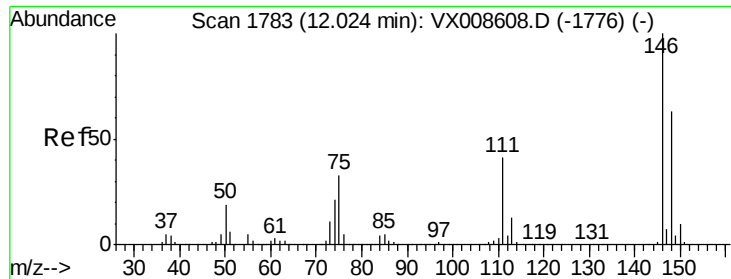
MMDadoda
 4/8/2019 9:49:53 AM



#86
 p-Isopropyltoluene
 Concen: 19.373 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008686.D
 Acq: 05 Apr 2019 17:00

Tgt Ion:119 Resp: 170275
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.4
 91 24.7 12.2 36.6





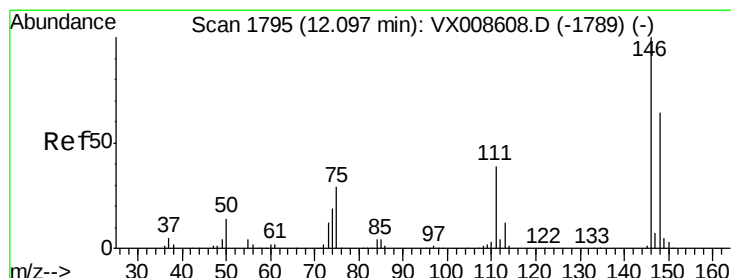
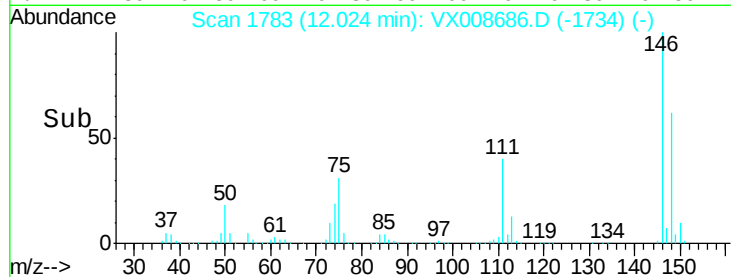
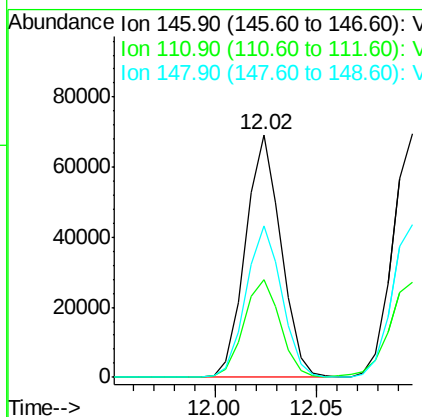
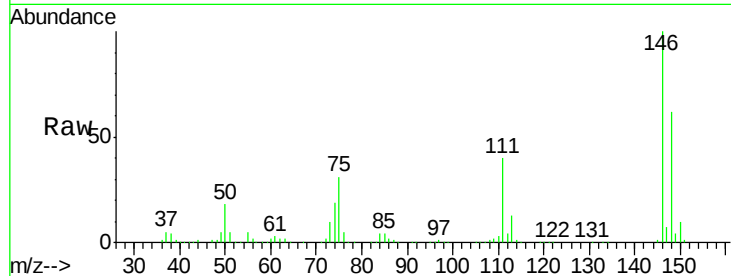
#87
 1,3-Dichlorobenzene
 Concen: 19.023 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008686.D
 Acq: 05 Apr 2019 17:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	63.1	31.6	94.7

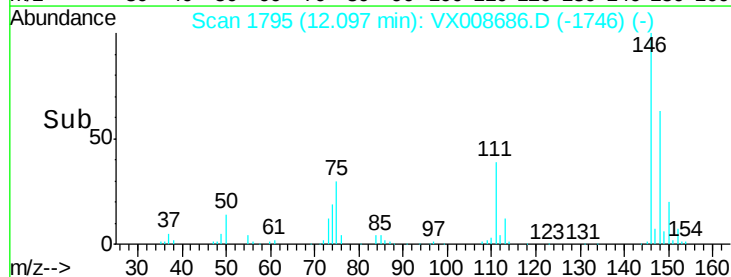
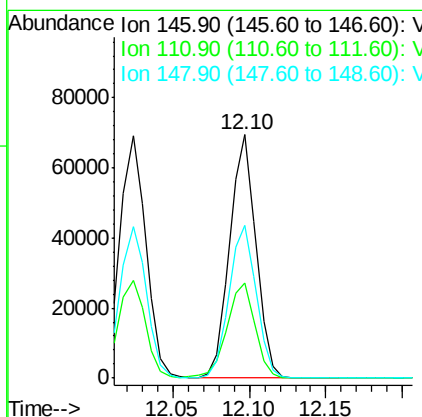
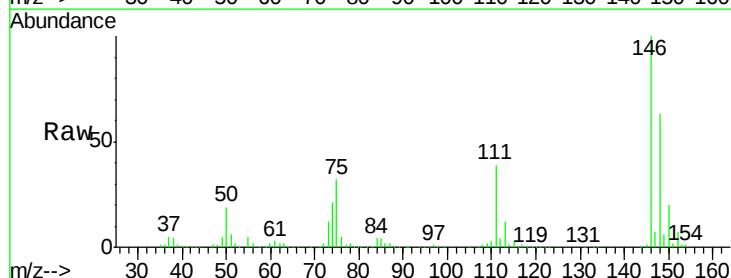
Manual Integrations
 APPROVED

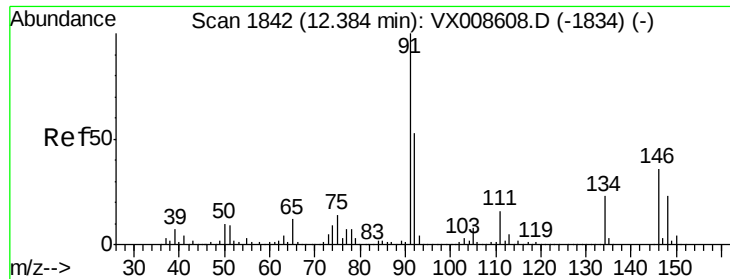
MMDadoda
 4/8/2019 9:49:53 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.634 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008686.D
 Acq: 05 Apr 2019 17:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.2	60.6
148	64.8	32.0	96.0





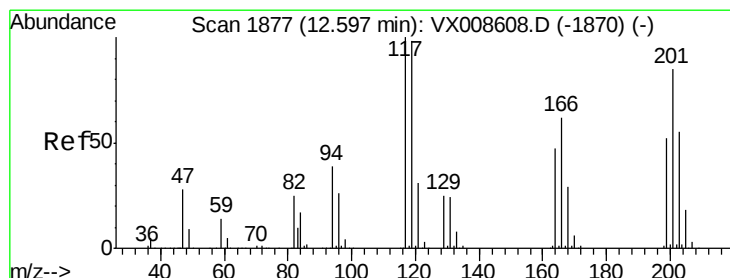
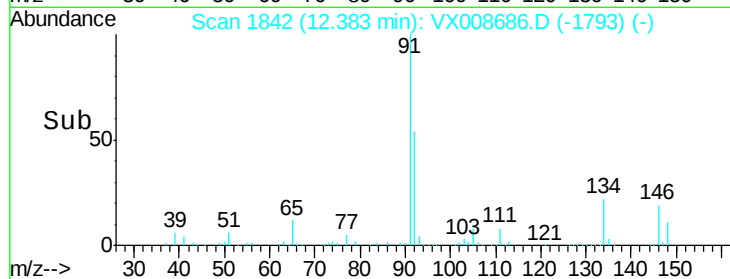
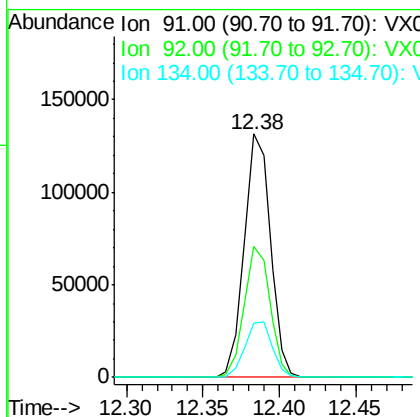
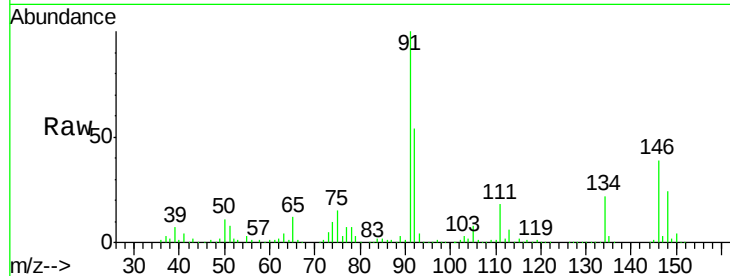
#89
n-Butylbenzene
Concen: 19.071 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBS02

Tgt Ion: 91 Resp: 157197
Ion Ratio Lower Upper
91 100
92 53.2 26.4 79.2
134 23.7 12.0 36.0

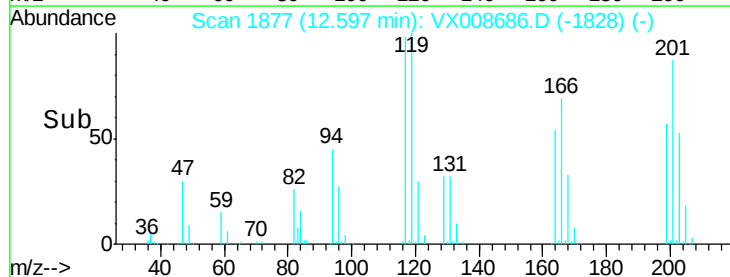
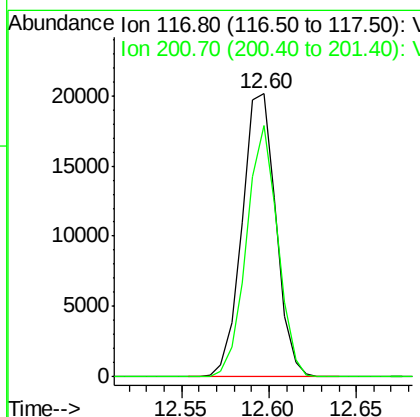
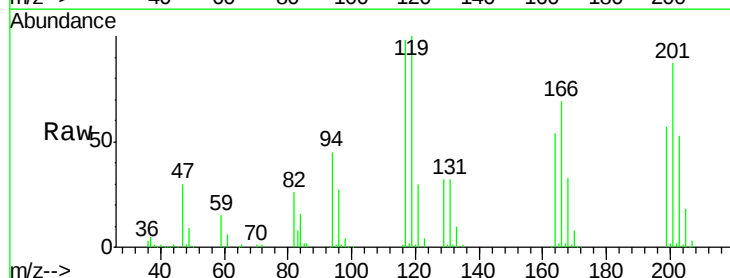
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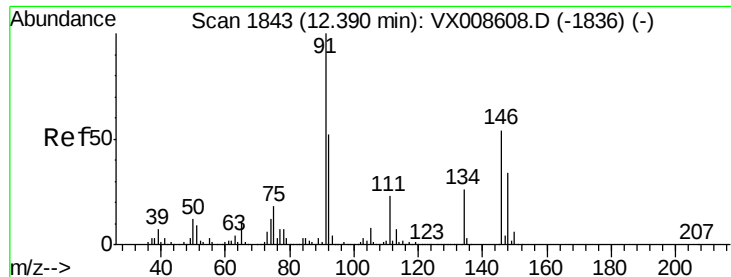
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#90
Hexachloroethane
Concen: 18.557 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Tgt Ion: 117 Resp: 27052
Ion Ratio Lower Upper
117 100
201 81.7 40.6 122.0





#91

1,2-Dichlorobenzene

Concen: 19.289 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Instrument :

MSVOA_X

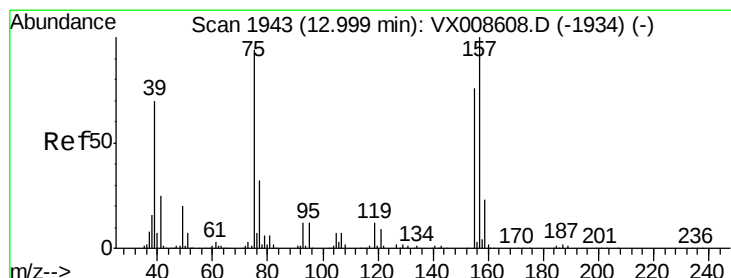
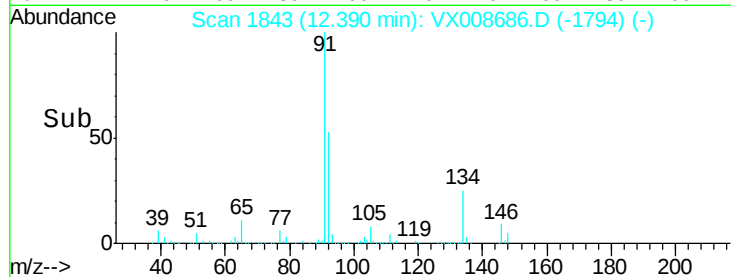
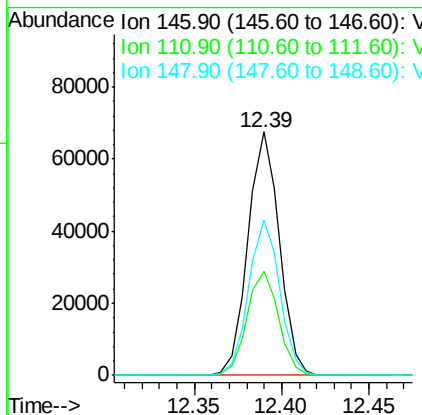
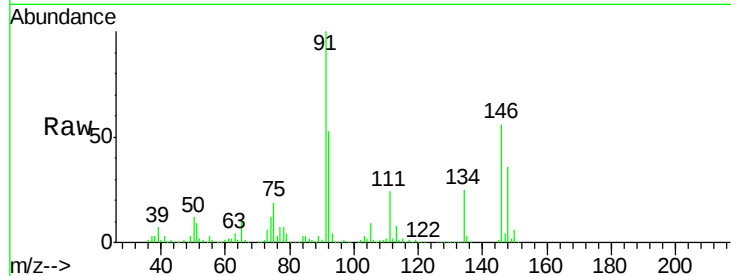
ClientSampleId :

VX0405WBS02

Tgt Ion:	146	Resp:	84141
Ion Ratio	Lower	Upper	
146	100		
111	42.7	21.3	63.9
148	63.7	31.7	95.1

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.467 ug/l

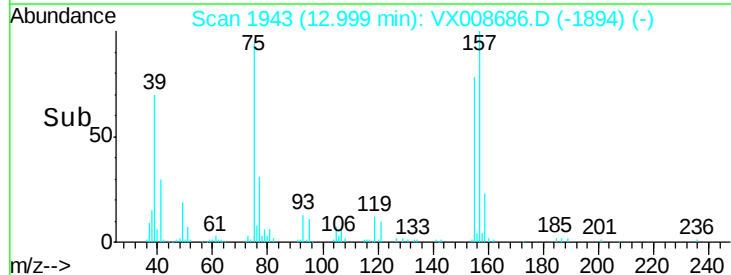
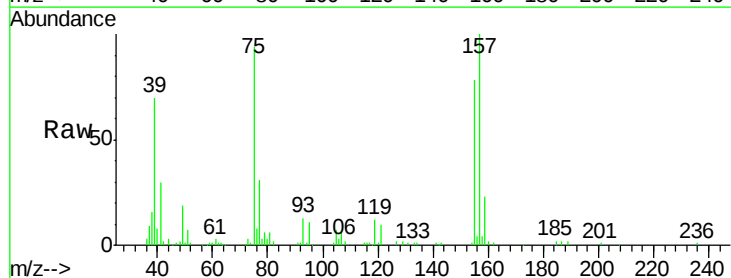
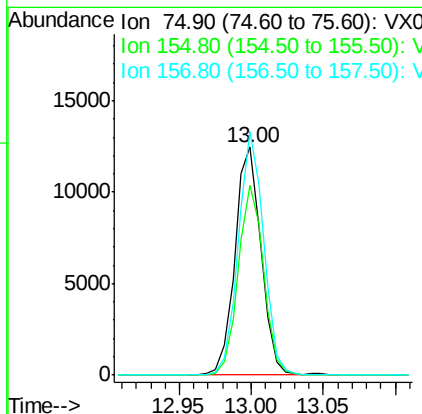
RT: 13.00 min Scan# 1943

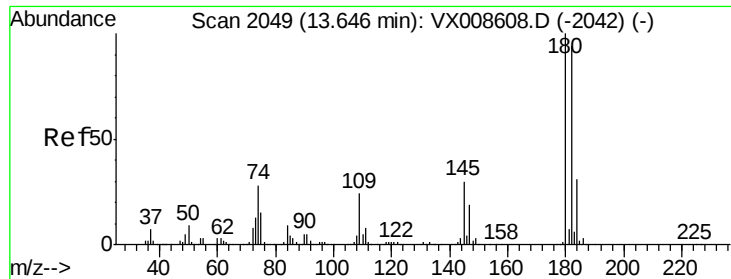
Delta R.T. -0.00 min

Lab File: VX008686.D

Acq: 05 Apr 2019 17:00

Tgt Ion:	75	Resp:	15772
Ion Ratio	Lower	Upper	
75	100		
155	80.1	39.9	119.6
157	102.5	51.5	154.7





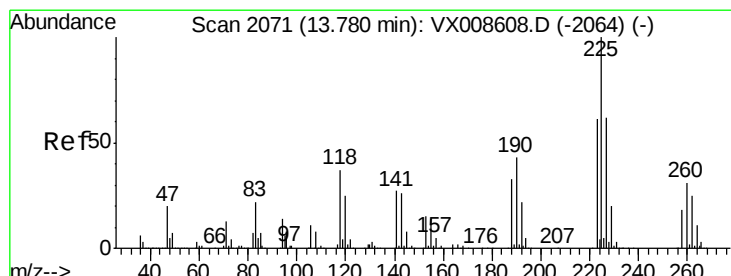
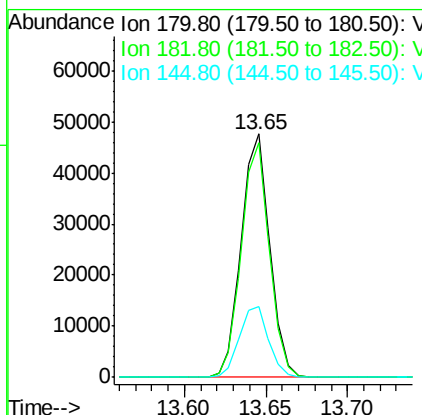
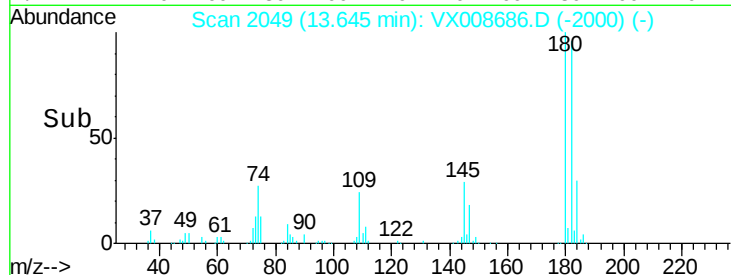
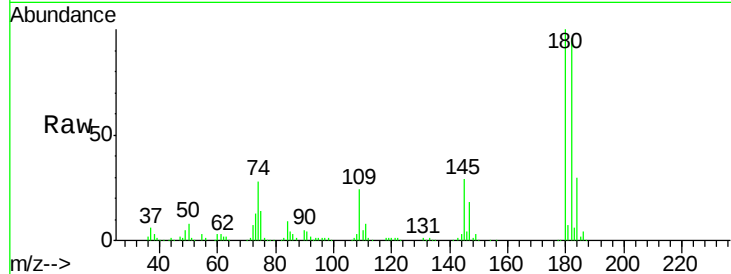
#93
 1,2,4-Trichlorobenzene
 Concen: 19.161 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008686.D
 Acq: 05 Apr 2019 17:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBS02

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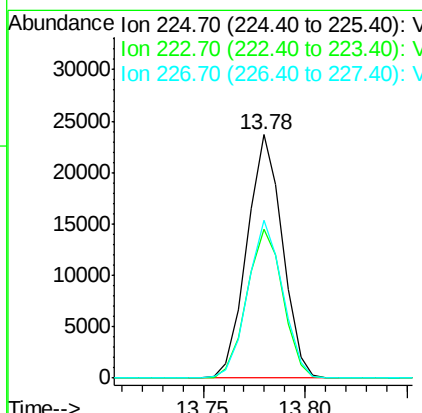
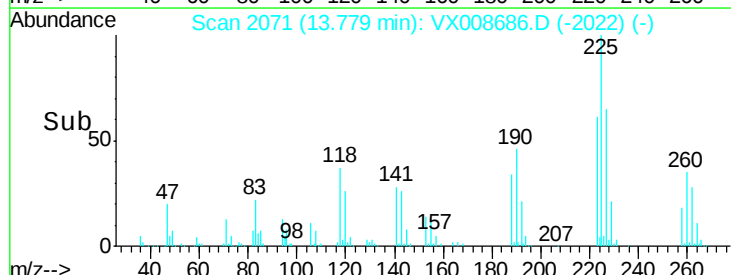
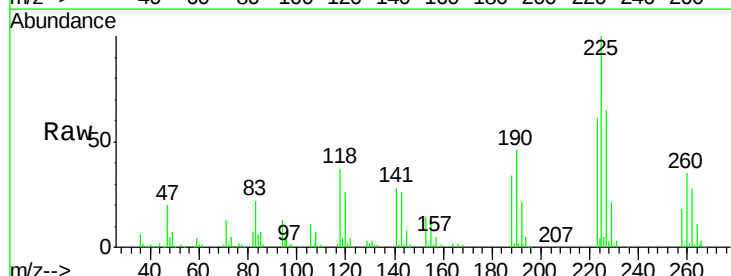
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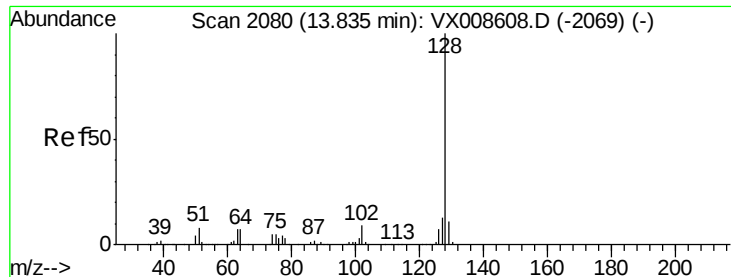
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.2	141.6
145	29.8	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 19.639 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008686.D
 Acq: 05 Apr 2019 17:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.2	93.6
227	63.7	31.9	95.5





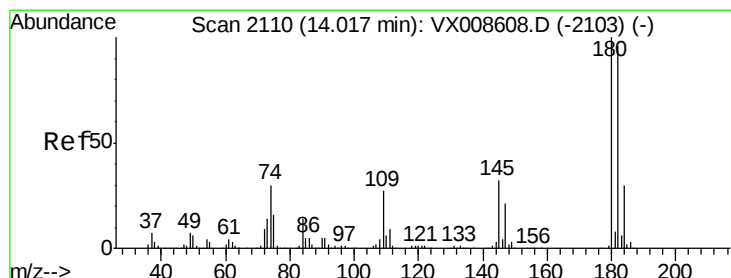
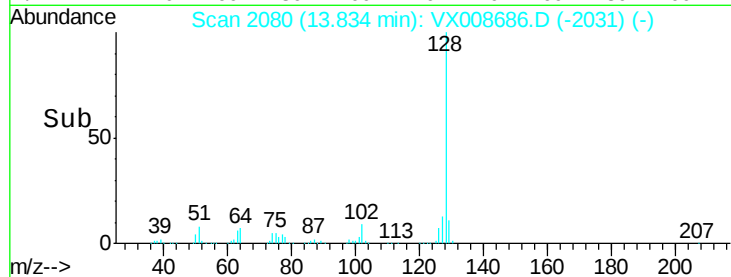
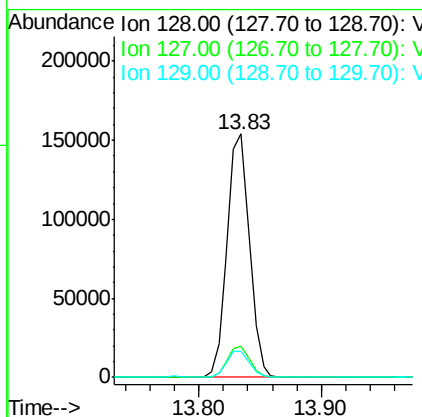
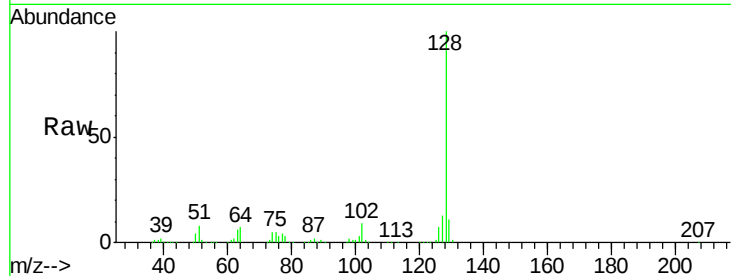
#95
Naphthalene
Concen: 19.140 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	194020		
127	13.1		10.4	15.6
129	10.8		8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 19.135 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008686.D
Acq: 05 Apr 2019 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	57985		
182	93.6		48.1	144.3
145	32.1		16.3	48.8

