

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032519\
 Data File : VX008421.D
 Acq On : 25 Mar 2019 19:50
 Operator : JC/SP
 Sample : VX0325WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0325WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 8:56:07 AM

Quant Time: Mar 26 08:04:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:58:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	195847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337049	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	300547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139397	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	150476	50.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.36%		
35) Dibromofluoromethane	5.50	113	112772	51.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.62%		
50) Toluene-d8	8.71	98	448325	51.02	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.04%		
62) 4-Bromofluorobenzene	11.13	95	163249	50.13	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.26%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	41776	18.096	ug/l	98
3) Chloromethane	1.32	50	60297	20.315	ug/l	100
4) Vinyl Chloride	1.40	62	60614	18.805	ug/l	98
5) Bromomethane	1.64	94	31719	19.879	ug/l	99
6) Chloroethane	1.71	64	38987	20.418	ug/l	100
7) Trichlorofluoromethane	1.93	101	69206	18.958	ug/l	97
8) Diethyl Ether	2.18	74	32874	19.028	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	41001	18.584	ug/l	99
10) Methyl Iodide	2.51	142	34110	18.707	ug/l	100
11) Tert butyl alcohol	3.04	59	61958	94.186	ug/l	100
12) 1,1-Dichloroethene	2.37	96	42225	18.532	ug/l	95
13) Acrolein	2.29	56	44296	92.726	ug/l	96
14) Allyl chloride	2.73	41	92147	18.357	ug/l	99
15) Acrylonitrile	3.14	53	162135	93.995	ug/l	100
16) Acetone	2.44	43	142984	92.140	ug/l	100
17) Carbon Disulfide	2.57	76	126380	16.721	ug/l	100
18) Methyl Acetate	2.77	43	69982	18.777	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	156372	19.045	ug/l	100
20) Methylene Chloride	2.85	84	51874	20.099	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	45220	19.754	ug/l	98
22) Diisopropyl ether	3.85	45	188493	19.071	ug/l	99
23) Vinyl Acetate	3.81	43	837738	97.149	ug/l	100
24) 1,1-Dichloroethane	3.70	63	94600	18.958	ug/l	99
25) 2-Butanone	4.67	43	233624	93.907	ug/l	99
26) 2,2-Dichloropropane	4.59	77	60157	18.125	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	53075	19.050	ug/l	99
28) Bromochloromethane	5.01	49	50276	20.394	ug/l	98
29) Tetrahydrofuran	5.13	42	153385	93.547	ug/l	99
30) Chloroform	5.21	83	86357	19.176	ug/l	97
31) Cyclohexane	5.58	56	90020	18.915	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	68219	18.952	ug/l	100
36) 1,1-Dichloropropene	5.80	75	65805	18.311	ug/l	98
37) Ethyl Acetate	4.83	43	87615	18.819	ug/l	98
38) Carbon Tetrachloride	5.78	117	55741	18.586	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	79720	18.562	ug/l	98
40) Benzene	6.14	78	203571	18.922	ug/l	100
41) Methacrylonitrile	5.04	41	49766	19.022	ug/l	99
42) 1,2-Dichloroethane	6.20	62	73580	18.680	ug/l	100
43) Isopropyl Acetate	6.45	43	139247	18.699	ug/l	100
44) Trichloroethene	7.21	130	46211	18.293	ug/l	100
45) 1,2-Dichloropropane	7.51	63	57518	18.809	ug/l	100
46) Dibromomethane	7.66	93	33025	18.494	ug/l	100
47) Bromodichloromethane	7.90	83	64612	18.903	ug/l	100
48) Methyl methacrylate	7.77	41	70175	18.834	ug/l	100
49) 1,4-Dioxane	7.74	88	27414	370.034	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	460506	95.212	ug/l	100
52) Toluene	8.79	92	119826	18.627	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	69816	18.649	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	78887	18.530	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	49418	18.872	ug/l	98
56) Ethyl methacrylate	9.18	69	90663	19.181	ug/l	99
57) 1,3-Dichloropropane	9.37	76	89530	19.069	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	232741	95.254	ug/l	99
59) 2-Hexanone	9.49	43	358551	95.673	ug/l	99
60) Dibromochloromethane	9.58	129	46296	18.590	ug/l	98
61) 1,2-Dibromoethane	9.67	107	50708	18.975	ug/l	99
64) Tetrachloroethene	9.34	164	37701	18.529	ug/l	99
65) Chlorobenzene	10.14	112	123133	18.839	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	42876	19.014	ug/l	99
67) Ethyl Benzene	10.25	91	231878	18.798	ug/l	99
68) m/p-Xylenes	10.36	106	168855	37.628	ug/l	100
69) o-Xylene	10.69	106	81883	18.803	ug/l	98
70) Styrene	10.71	104	142517	18.946	ug/l	100
71) Bromoform	10.85	173	32426	18.208	ug/l #	99
73) Isopropylbenzene	11.02	105	222891	19.654	ug/l	99
74) N-amyl acetate	10.90	43	129401	19.713	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	84046	19.101	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	69844m	16.854	ug/l	
77) Bromobenzene	11.26	156	51535	18.724	ug/l	100
78) n-propylbenzene	11.36	91	257326	19.370	ug/l	100
79) 2-Chlorotoluene	11.42	91	154702	19.146	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	186013	19.401	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	23272	17.986	ug/l	91
82) 4-Chlorotoluene	11.51	91	176339	18.919	ug/l	100
83) tert-Butylbenzene	11.77	119	176653	19.097	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	187486	19.334	ug/l	99
85) sec-Butylbenzene	11.94	105	213663	19.396	ug/l	100
86) p-Isopropyltoluene	12.06	119	189133	19.458	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	91540	18.614	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	91295	18.395	ug/l	99
89) n-Butylbenzene	12.38	91	173942	18.891	ug/l	100
90) Hexachloroethane	12.59	117	30071	18.570	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	93922	19.072	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18848	19.645	ug/l	97

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ClientSampleId :
VX0325WBS01

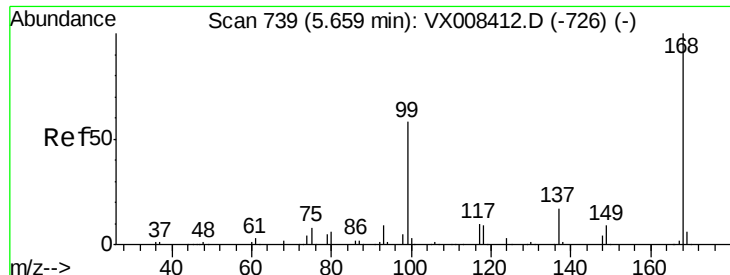
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	63136	19.042	ug/l	99
94) Hexachlorobutadiene	13.78	225	29554	18.772	ug/l	99
95) Naphthalene	13.83	128	228411	20.094	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	64971	19.501	ug/l	99

(#) = 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: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion:168 Resp: 195847

Ion Ratio Lower Upper

168 100

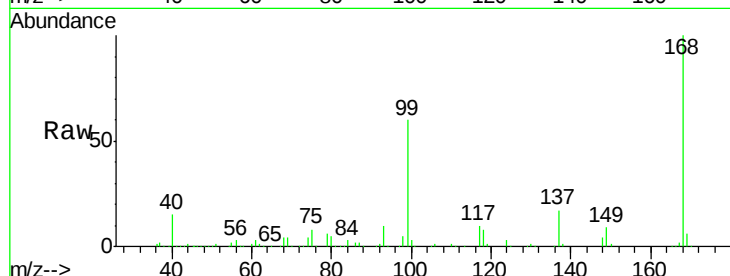
99 60.2 46.0 69.0

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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

80000

60000

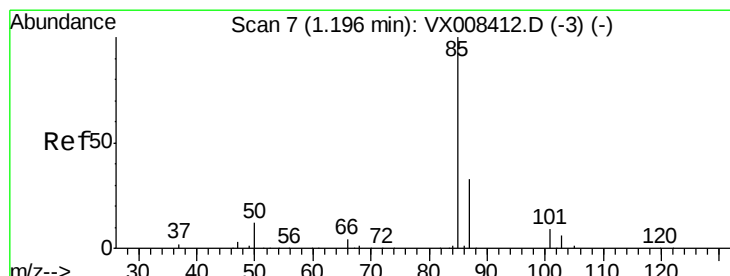
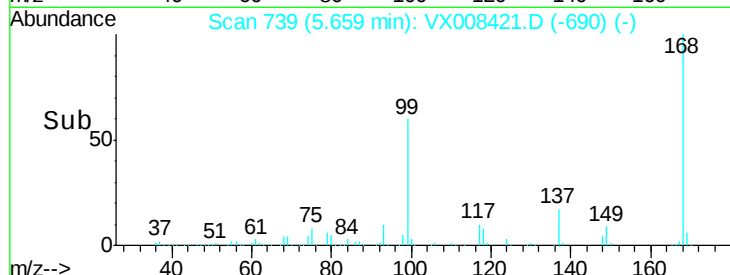
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.096 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008421.D

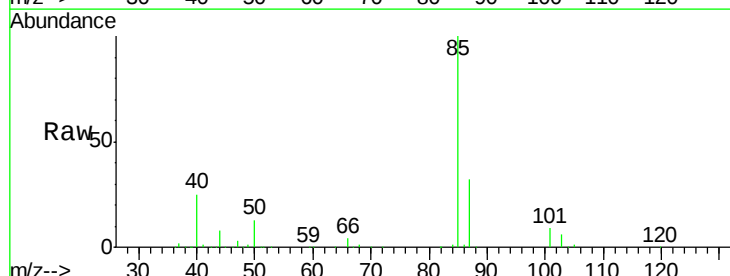
Acq: 25 Mar 2019 19:50

Tgt Ion: 85 Resp: 41776

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

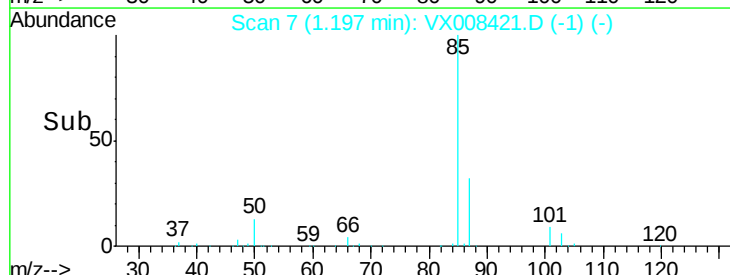
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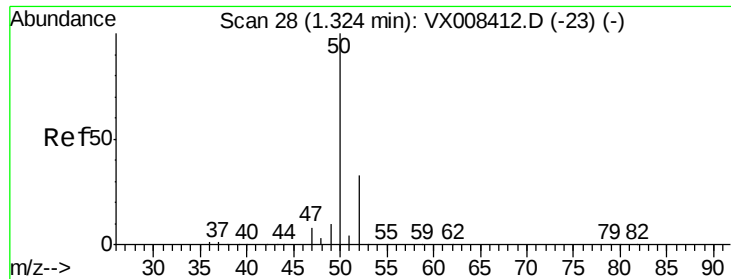
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.315 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion: 50 Resp: 60297

Ion Ratio Lower Upper

50 100

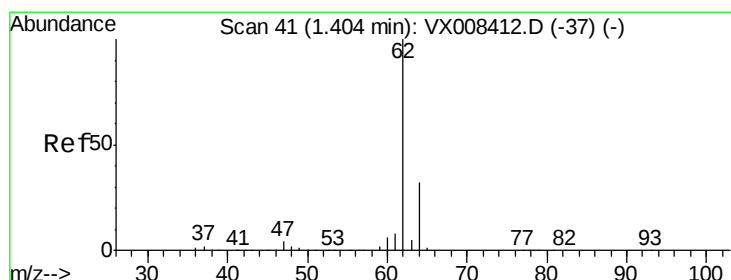
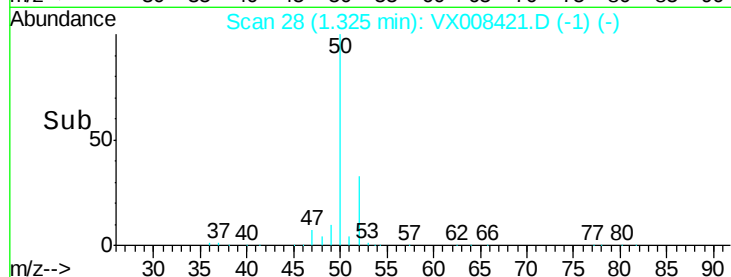
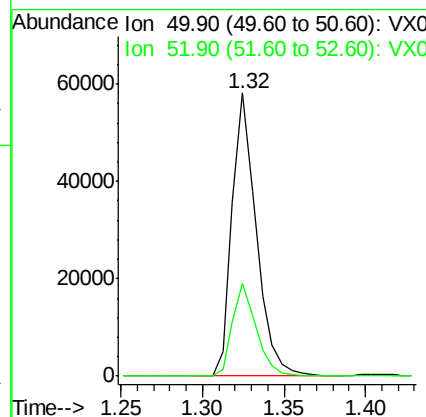
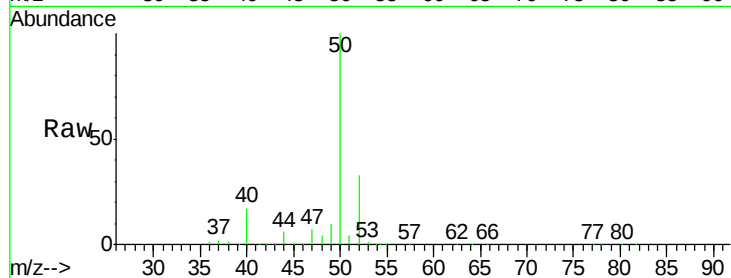
52 32.7 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.805 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008421.D

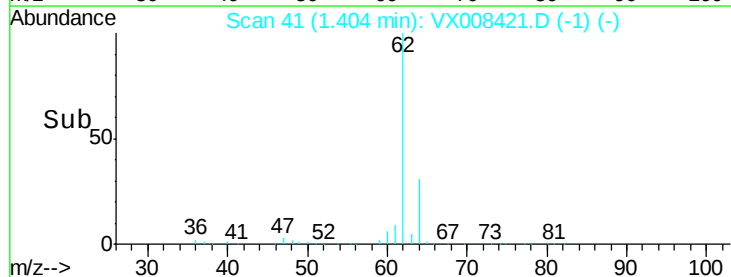
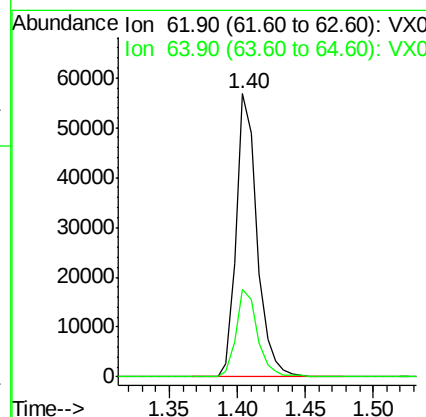
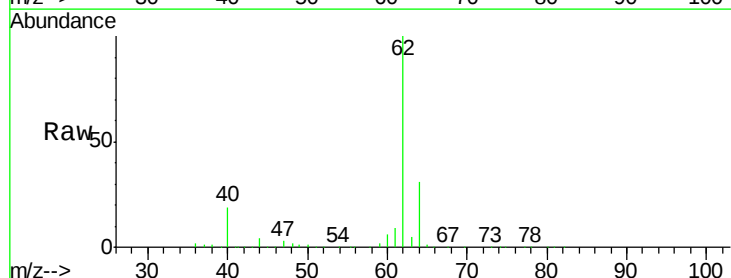
Acq: 25 Mar 2019 19:50

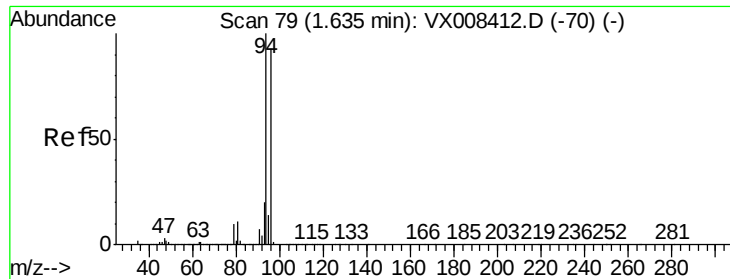
Tgt Ion: 62 Resp: 60614

Ion Ratio Lower Upper

62 100

64 30.6 25.5 38.3





#5

Bromomethane

Concen: 19.879 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion: 94 Resp: 31719

Ion Ratio Lower Upper

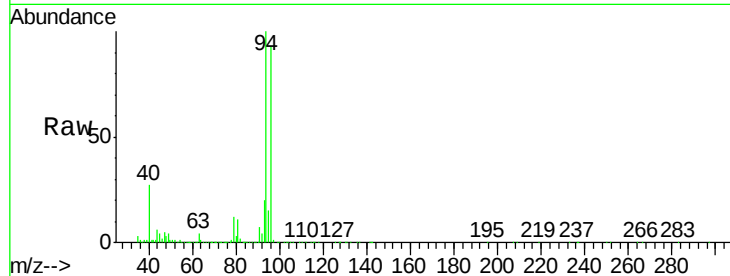
94 100

96 92.8 74.8 112.2

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

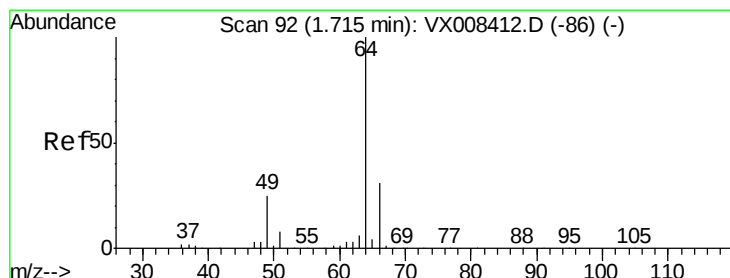
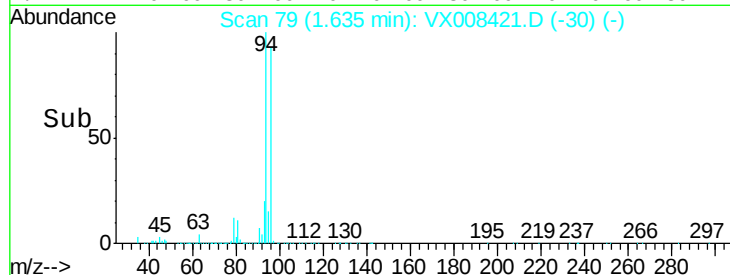
30000

20000

10000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 20.418 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008421.D

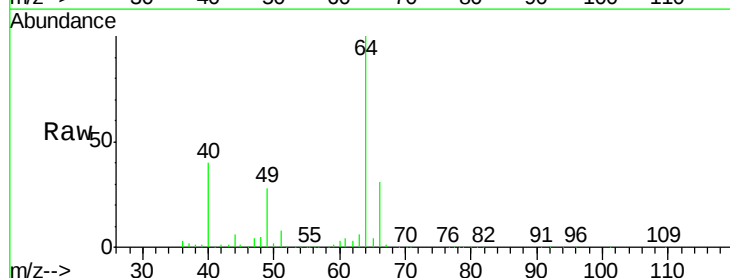
Acq: 25 Mar 2019 19:50

Tgt Ion: 64 Resp: 38987

Ion Ratio Lower Upper

64 100

66 31.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

30000

25000

20000

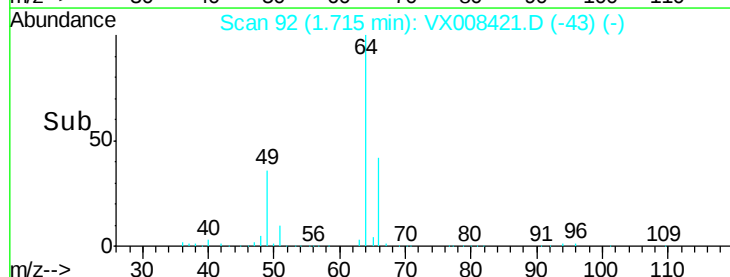
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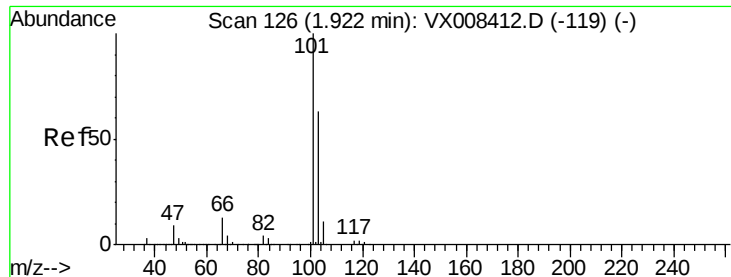
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5000

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Time--> 1.60 1.70 1.80





#7

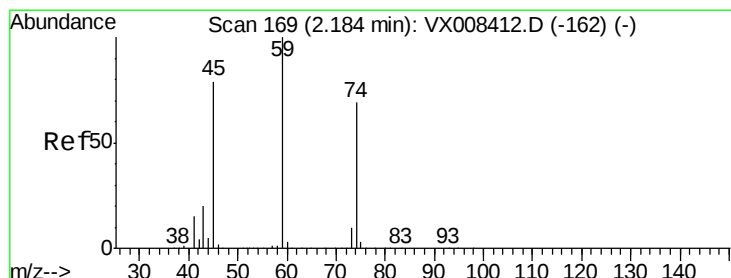
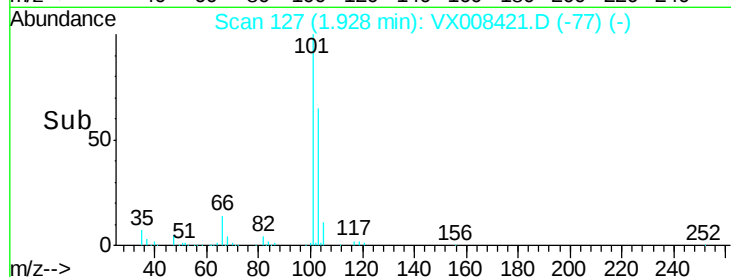
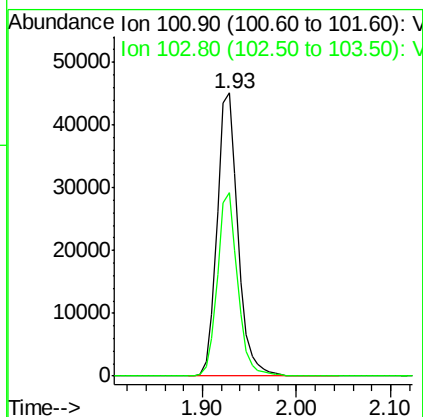
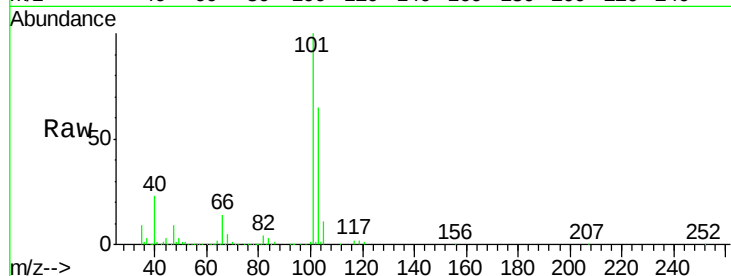
Trichlorofluoromethane
 Concen: 18.958 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX008421.D
 Acq: 25 Mar 2019 19:50

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 VX0325WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.2	75.4

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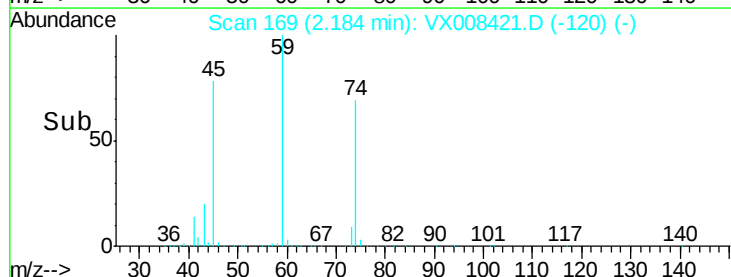
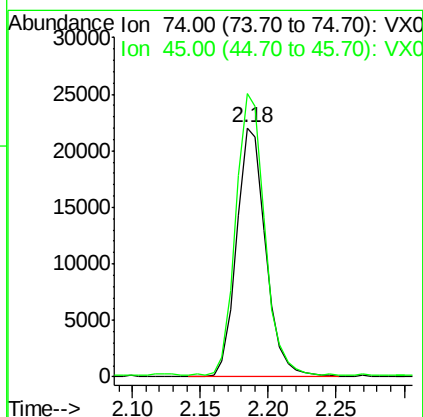
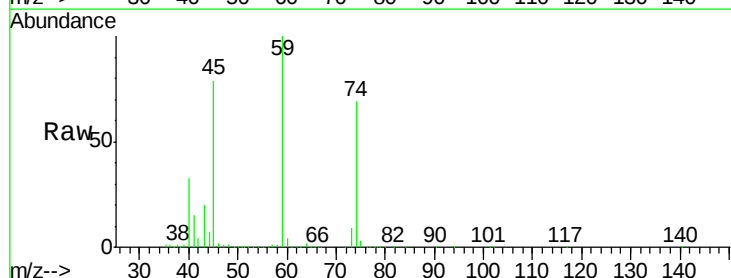
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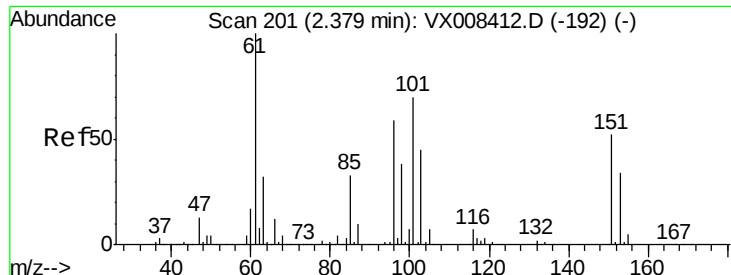


#8

Diethyl Ether
 Concen: 19.028 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX008421.D
 Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.5	56.4	169.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.584 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008421.D

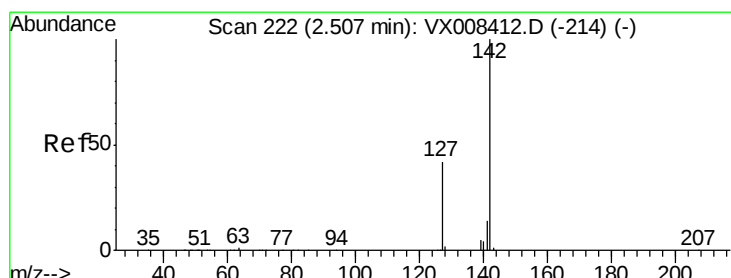
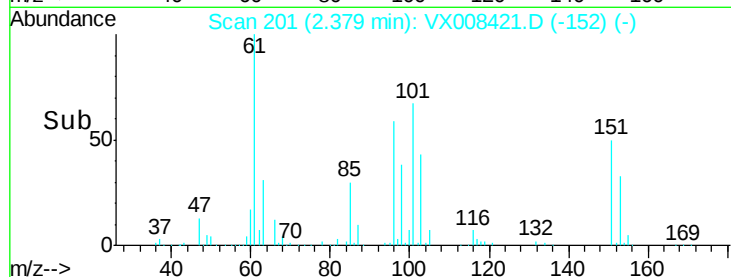
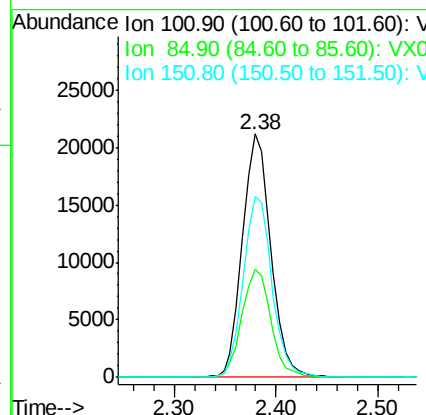
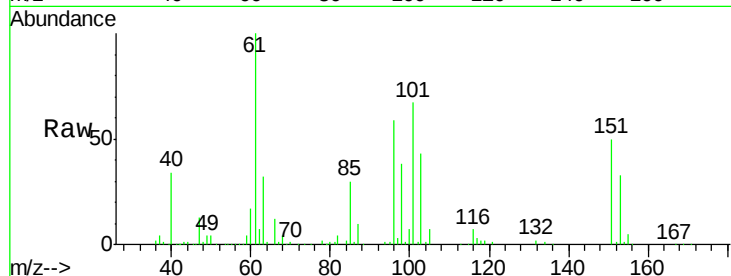
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Tot Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.0	54.0
151	75.5	59.2	88.8

Manual Integrations
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3/27/2019 8:56:07 AM



#10

Methyl Iodide

Concen: 18.707 ug/l

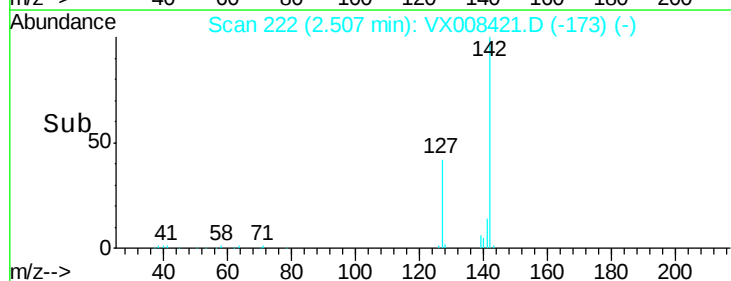
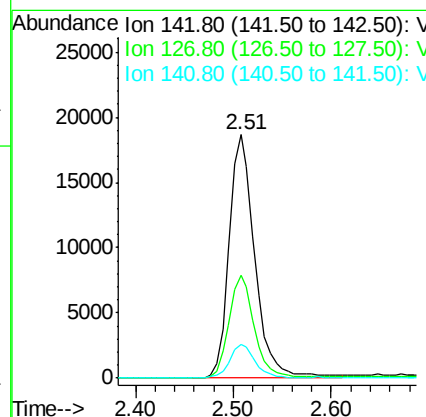
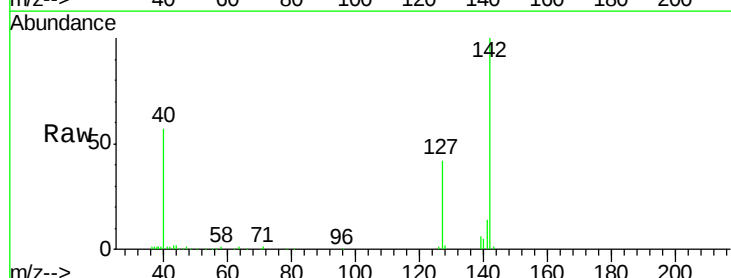
RT: 2.51 min Scan# 222

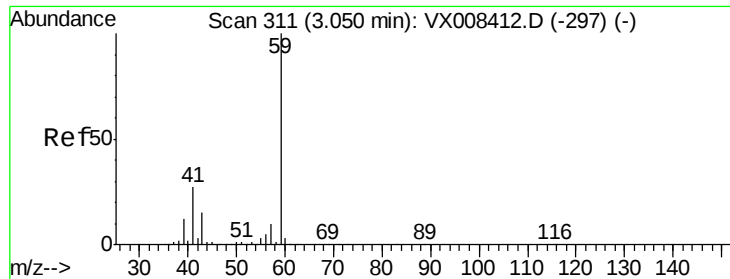
Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.1	33.6	50.4
141	13.9	11.3	16.9





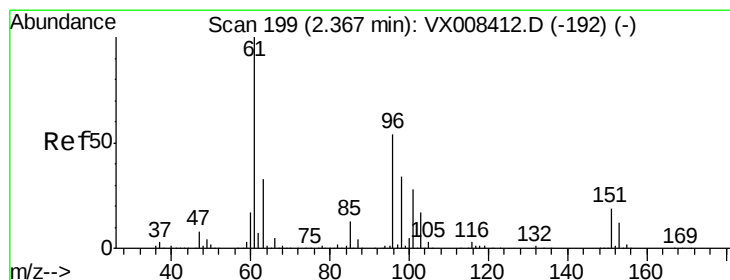
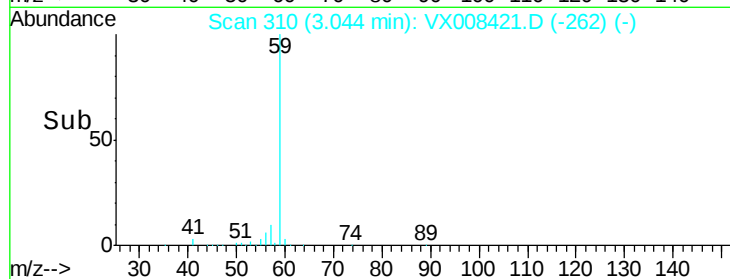
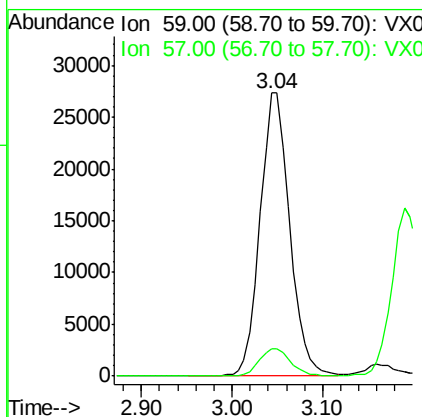
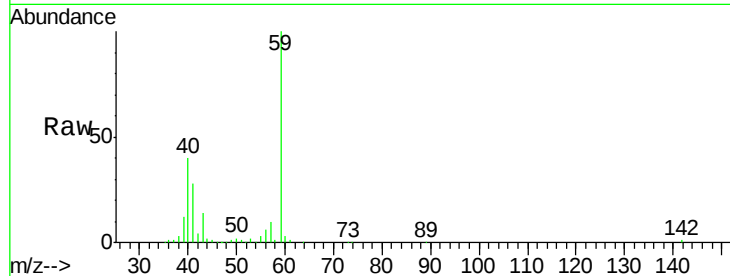
#11
Tert butyl alcohol
Concen: 94.186 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS01

Tot Ion: 59 Resp: 61958
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

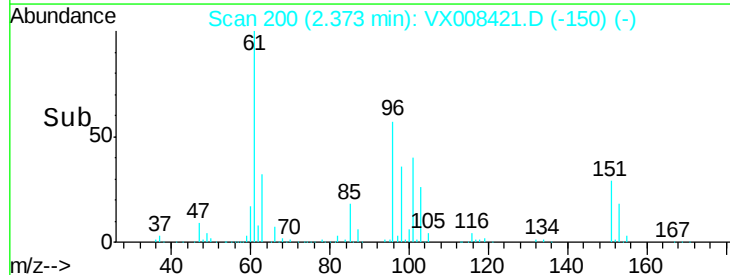
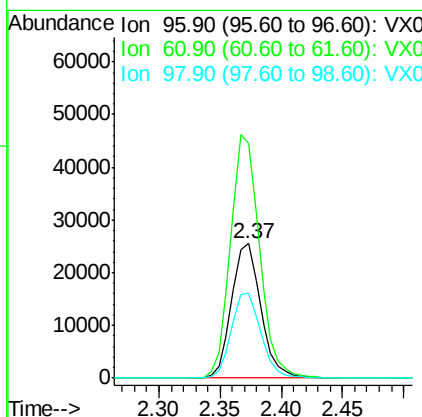
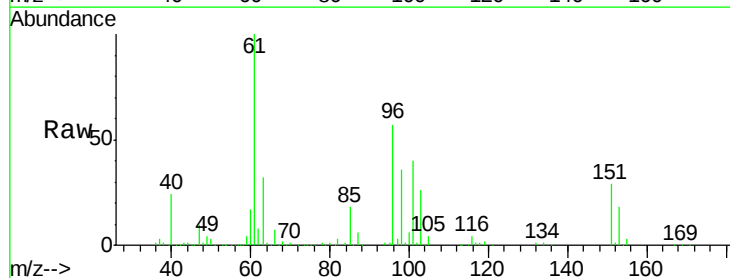
Manual Integrations
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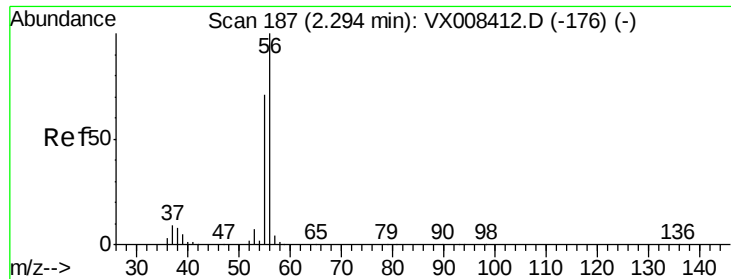
MMDadoda
3/27/2019 8:56:07 AM



#12
1,1-Dichloroethene
Concen: 18.532 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 96 Resp: 42225
Ion Ratio Lower Upper
96 100
61 174.5 146.9 220.3
98 63.0 50.1 75.1





#13

Acrolein

Concen: 92.726 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion: 56 Resp: 44296

Ion Ratio Lower Upper

56 100

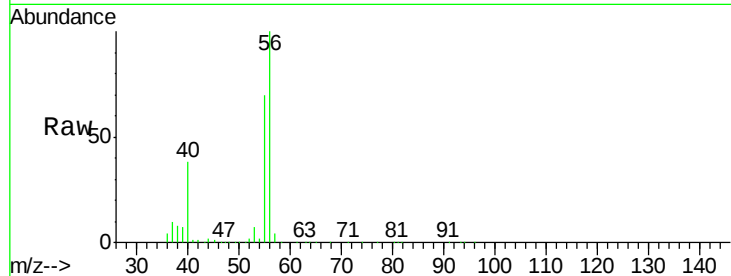
55 73.7 56.5 84.7

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

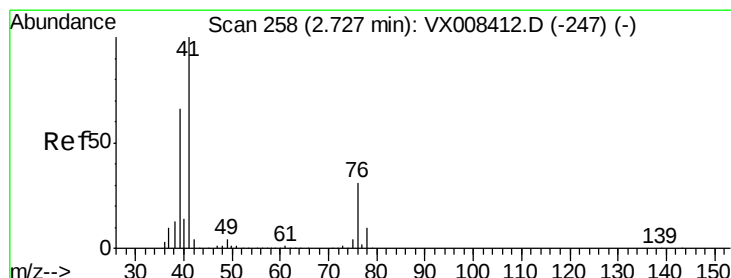
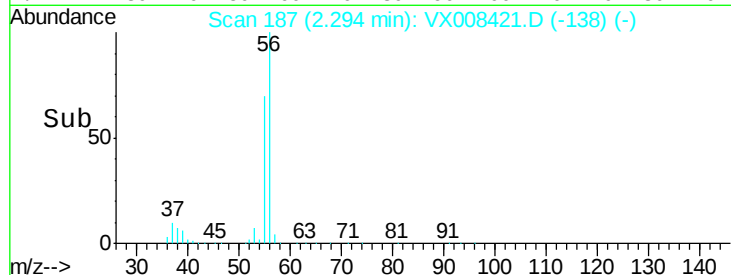
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 18.357 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

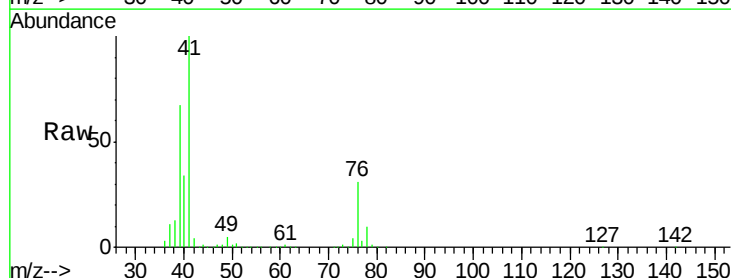
Tgt Ion: 41 Resp: 92147

Ion Ratio Lower Upper

41 100

39 63.5 49.6 74.4

76 28.0 22.6 34.0



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

60000

50000

40000

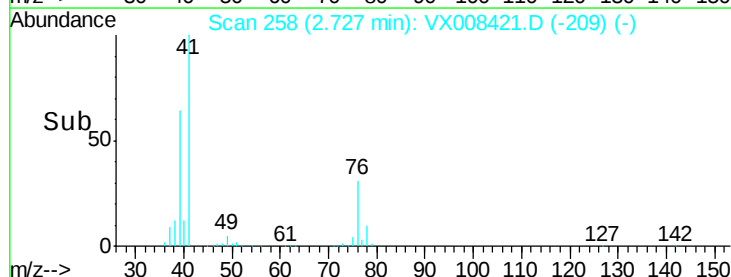
30000

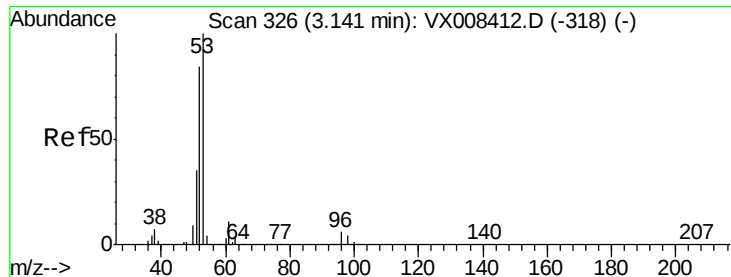
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 93.995 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

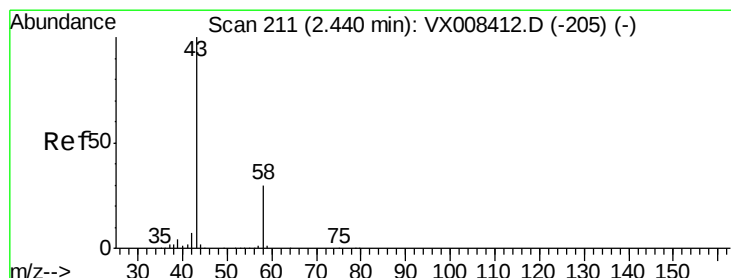
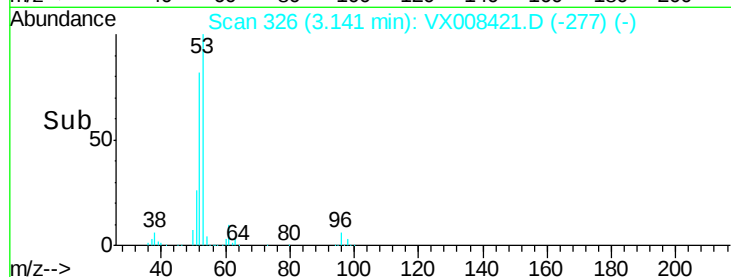
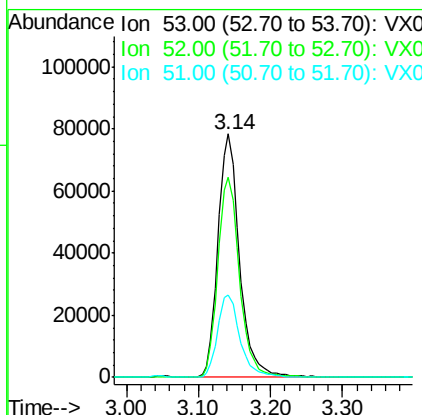
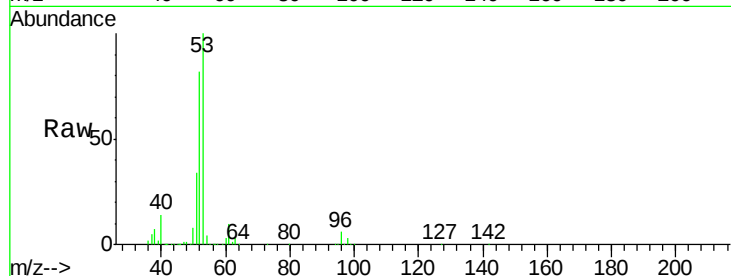
ClientSampleId :

VX0325WBS01

Tot Ion:	53	Resp:	162135
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.5	99.7
51	35.3	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 92.140 ug/l

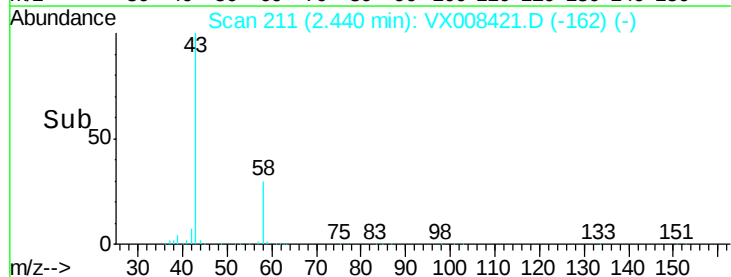
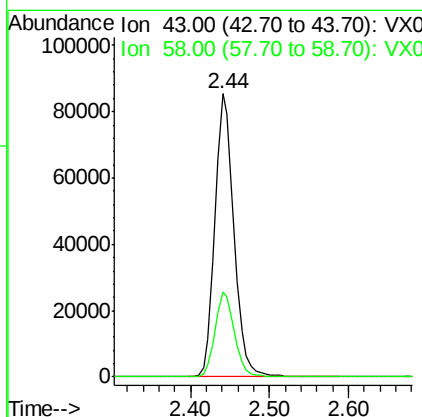
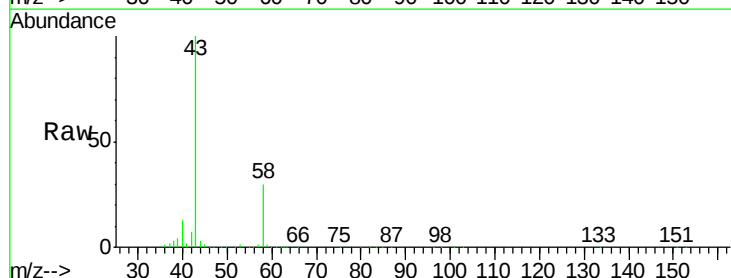
RT: 2.44 min Scan# 211

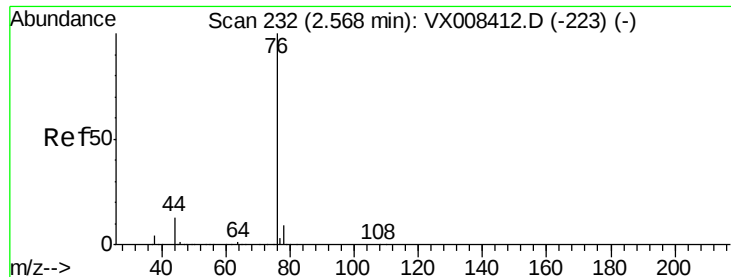
Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Tgt Ion:	43	Resp:	142984
Ion Ratio		Lower	Upper
43	100		
58	30.0	24.2	36.2





#17

Carbon Disulfide

Concen: 16.721 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion: 76 Resp: 126380

Ion Ratio Lower Upper

76 100

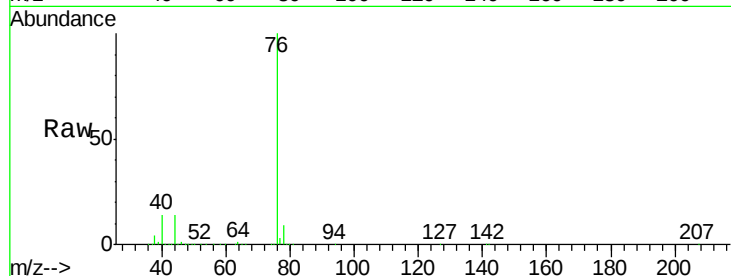
78 9.2 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

80000

60000

40000

20000

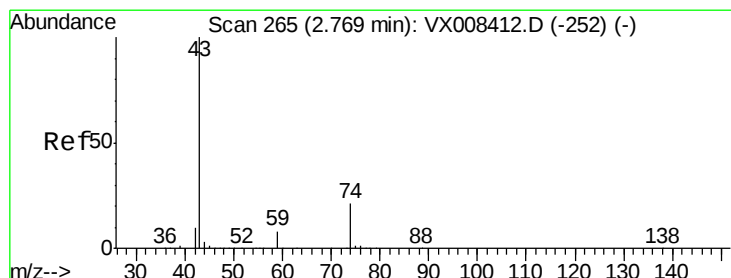
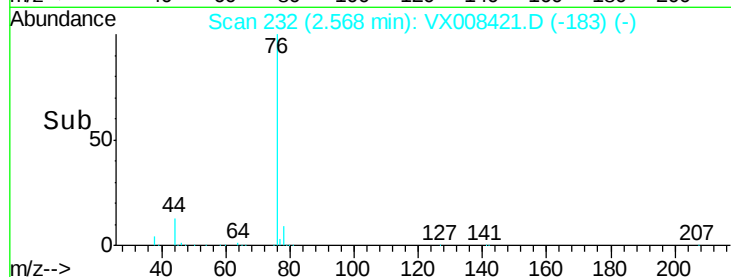
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 18.777 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX008421.D

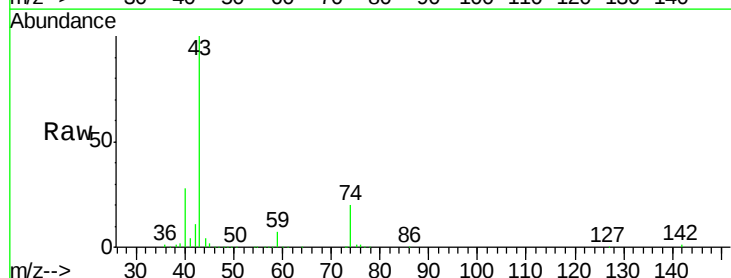
Acq: 25 Mar 2019 19:50

Tgt Ion: 43 Resp: 69982

Ion Ratio Lower Upper

43 100

74 21.5 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

40000

30000

20000

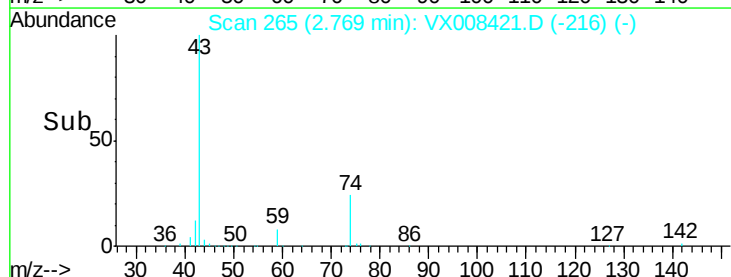
10000

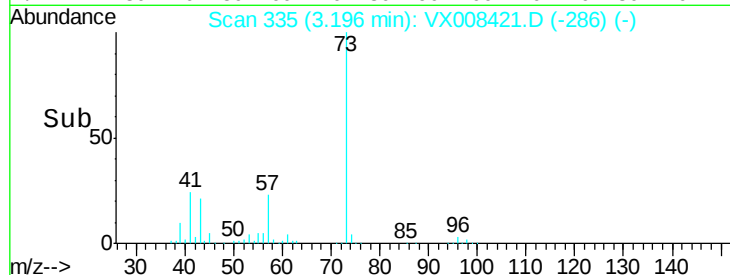
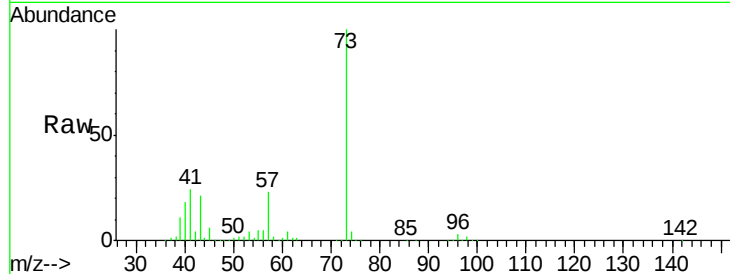
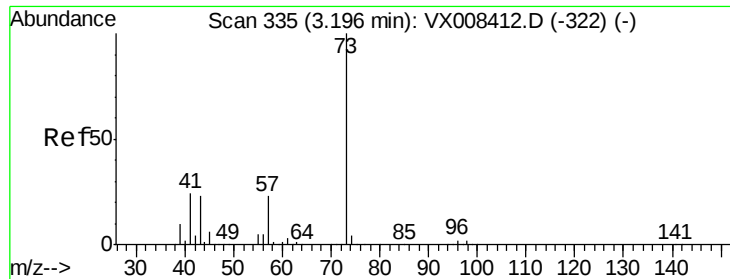
0

Time-->

2.70

2.80





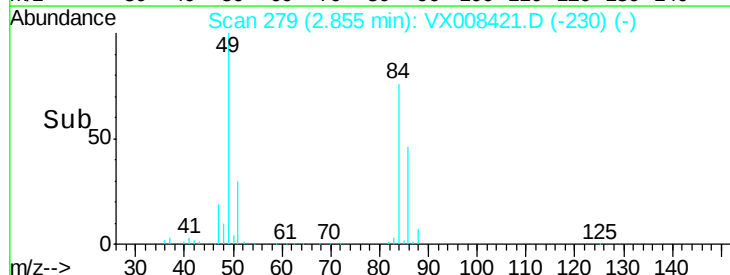
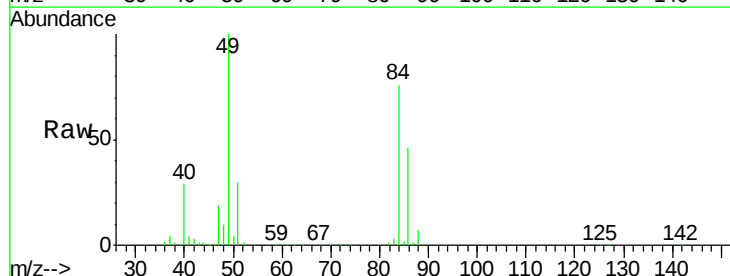
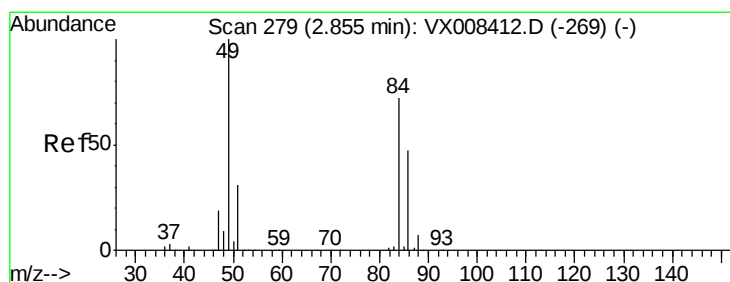
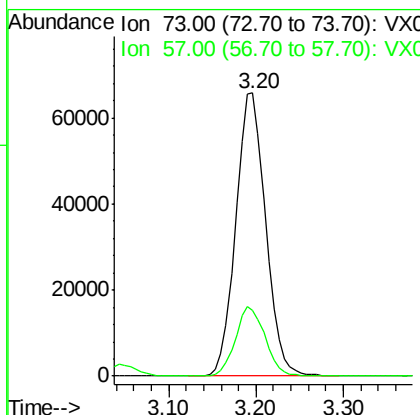
#19
Methvl tert-butvl Ether
Concen: 19.045 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Tot Ion: 73 Resp: 156372
Ion Ratio Lower Upper
73 100
57 23.4 18.6 28.0

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS01

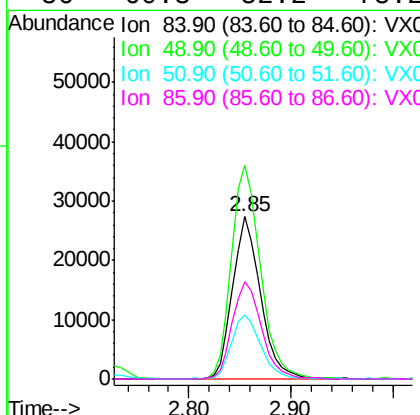
Manual Integrations
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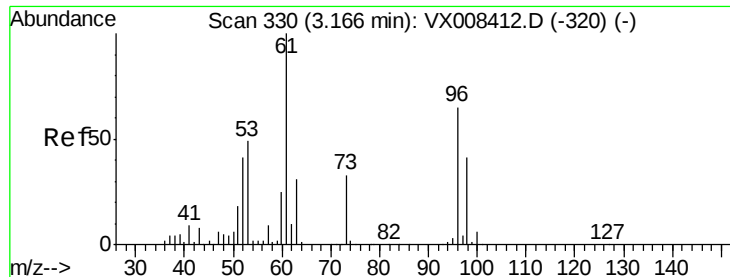
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3/27/2019 8:56:07 AM



#20
Methylene Chloride
Concen: 20.099 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 84 Resp: 51874
Ion Ratio Lower Upper
84 100
49 131.7 110.6 165.8
51 39.4 33.9 50.9
86 60.3 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 19.754 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion: 96 Resp: 45220

Ion Ratio Lower Upper

96 100

61 151.7 122.6 184.0

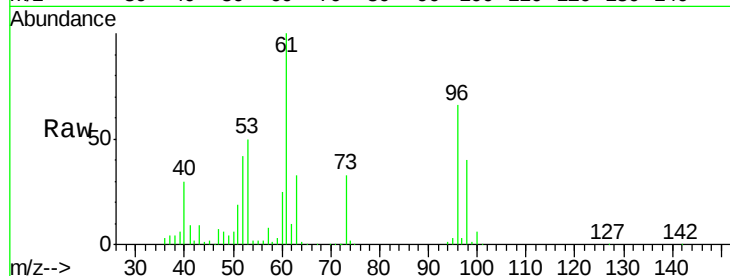
98 60.5 50.9 76.3

Manual Integrations

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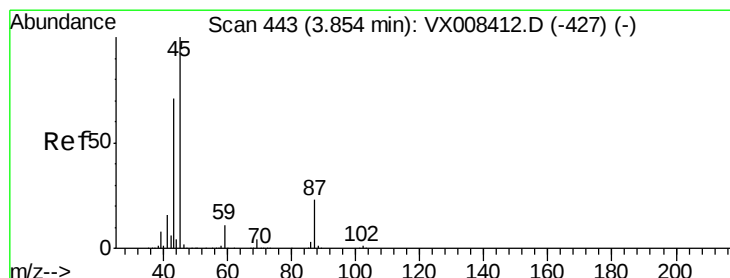
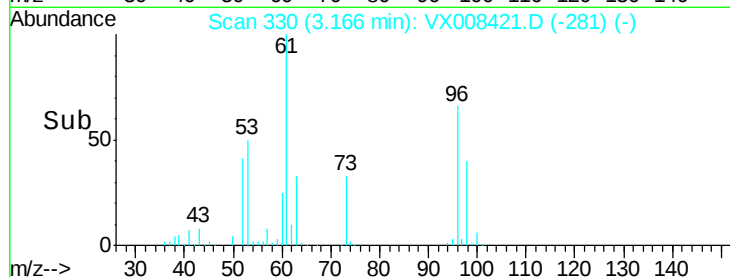
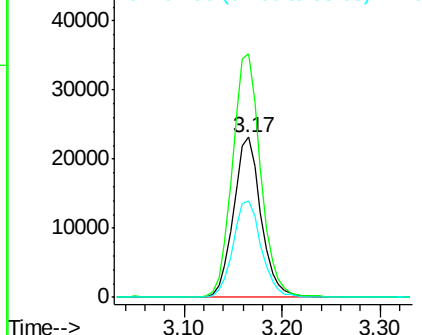
3/27/2019 8:56:07 AM



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



#22

Diisopropyl ether

Concen: 19.071 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Tgt Ion: 45 Resp: 188493

Ion Ratio Lower Upper

45 100

43 72.3 57.1 85.7

87 24.0 18.8 28.2

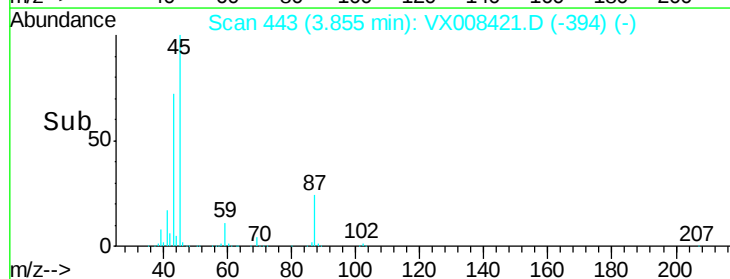
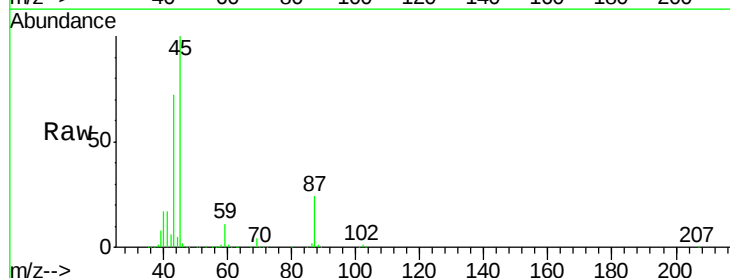
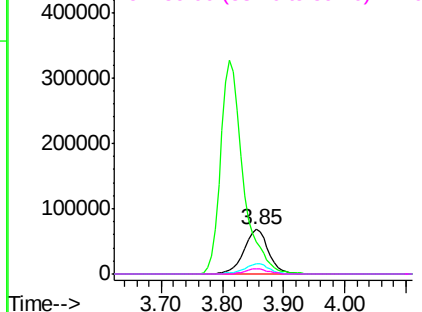
59 10.4 8.7 13.1

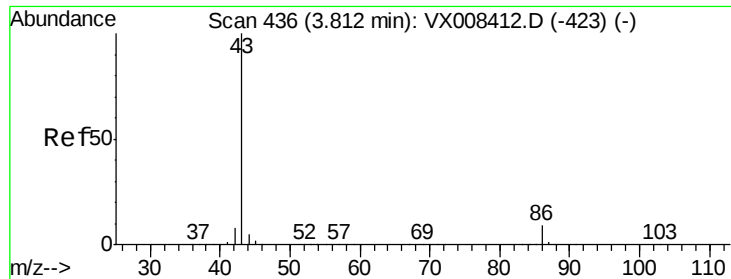
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 97.149 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion: 43 Resp: 837738

Ion Ratio Lower Upper

43 100

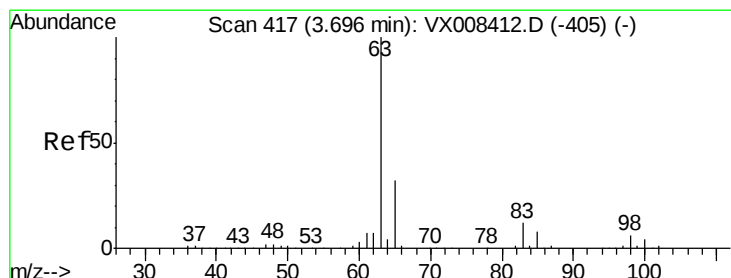
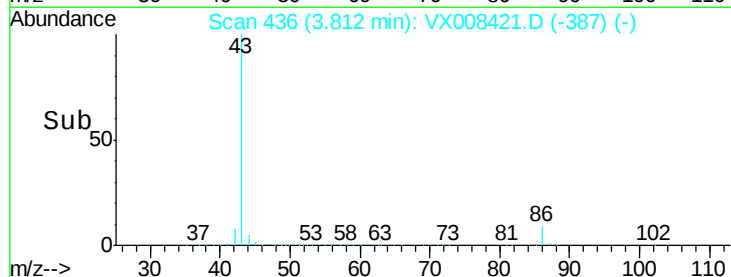
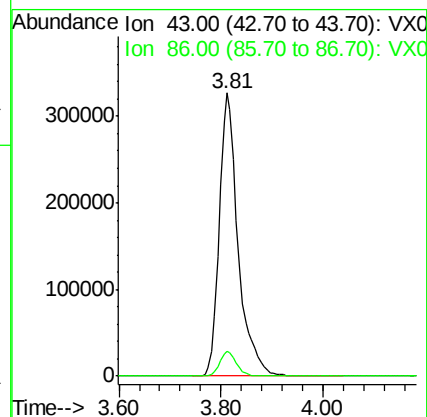
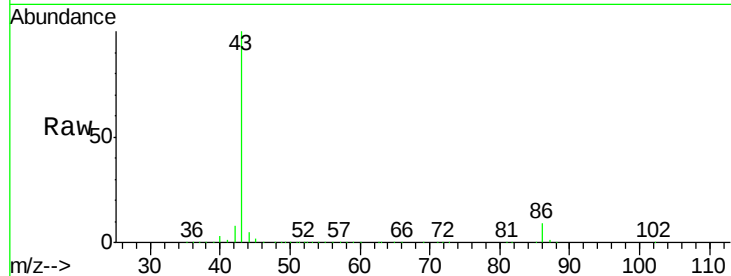
86 8.7 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.958 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

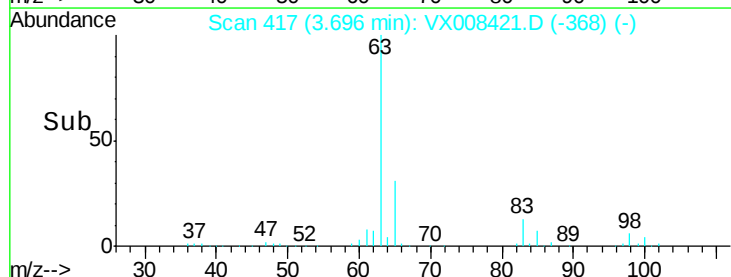
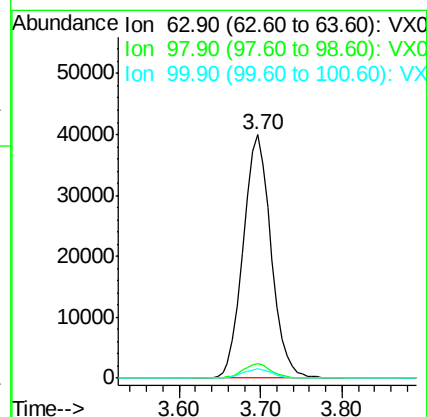
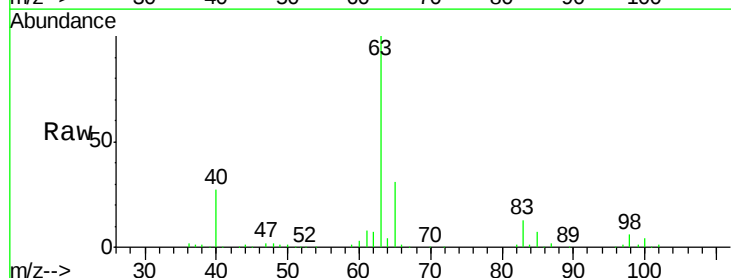
Tgt Ion: 63 Resp: 94600

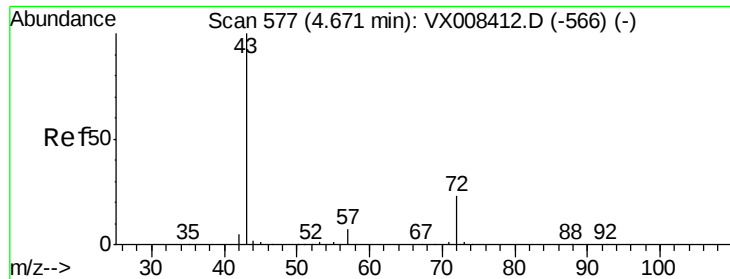
Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

100 3.7 2.0 5.8





#25

2-Butanone

Concen: 93.907 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion: 43 Resp: 233624

Ion Ratio Lower Upper

43 100

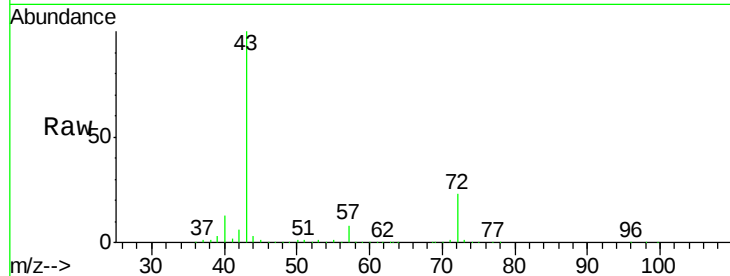
72 22.9 18.6 28.0

Manual Integrations

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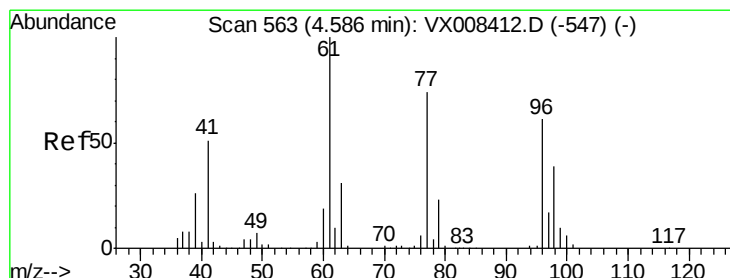
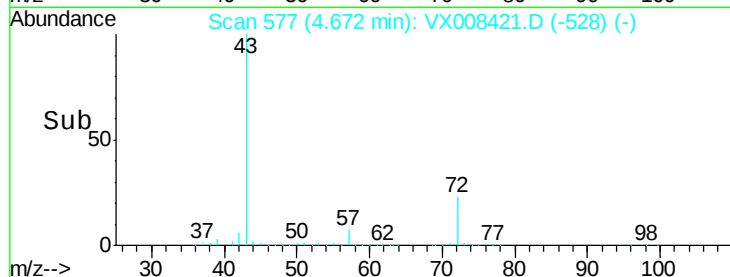
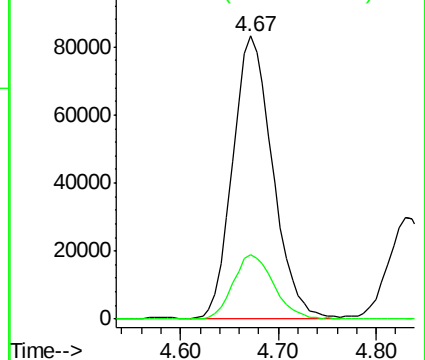
MMDadoda

3/27/2019 8:56:07 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: 18.125 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008421.D

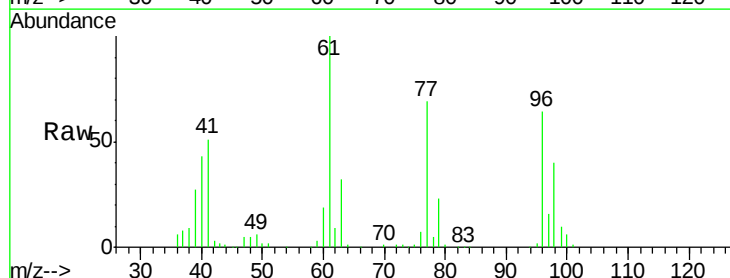
Acq: 25 Mar 2019 19:50

Tgt Ion: 77 Resp: 60157

Ion Ratio Lower Upper

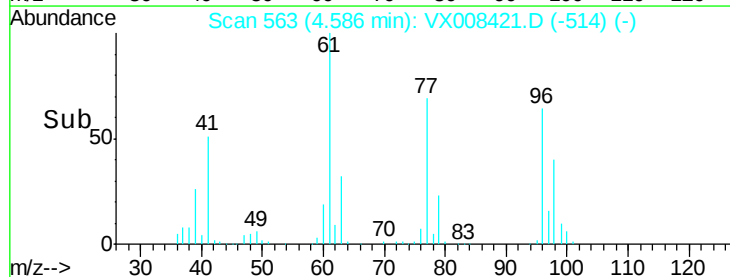
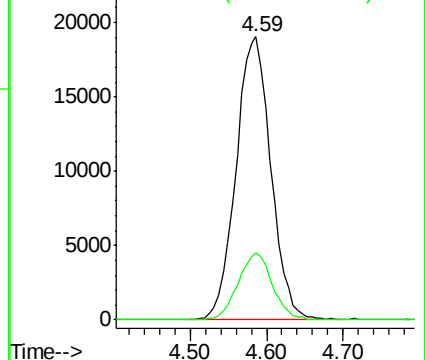
77 100

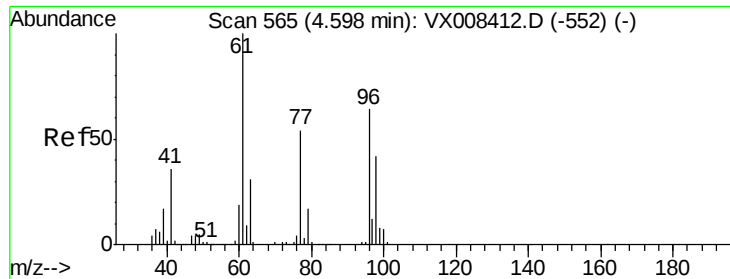
97 23.2 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

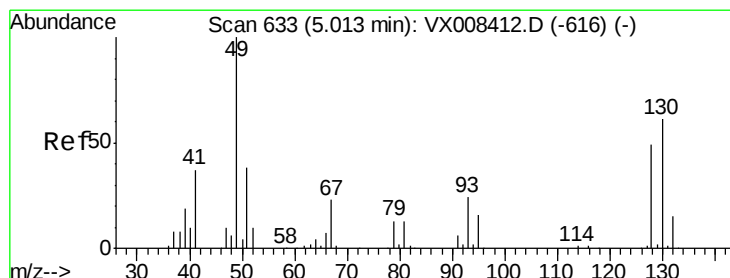
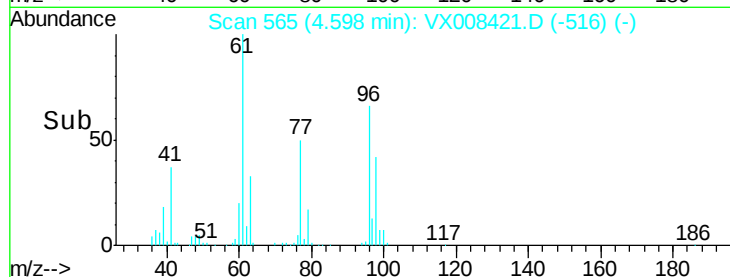
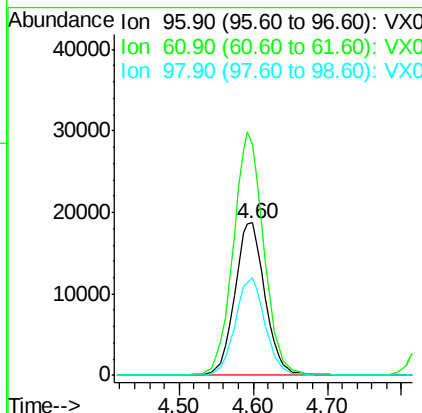
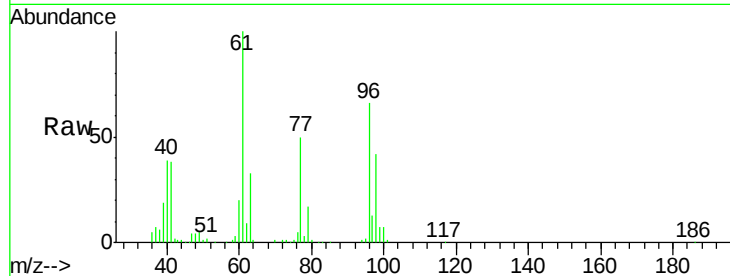
cis-1,2-Dichloroethene
Concen: 19.050 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.9	0.0	325.6
98	63.7	0.0	130.0

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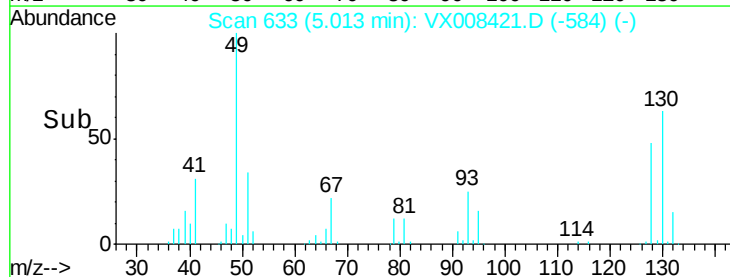
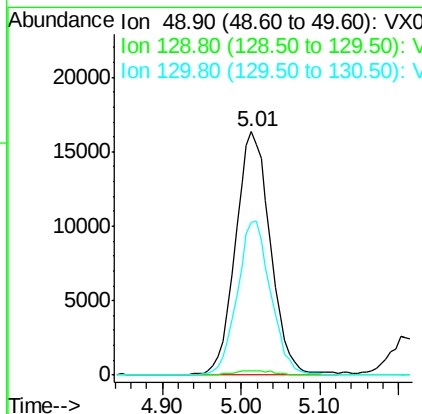
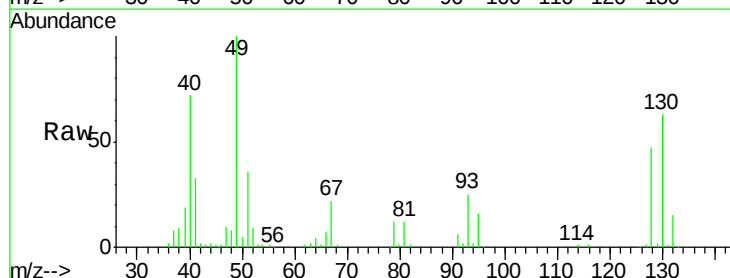
MMDadoda
3/27/2019 8:56:07 AM

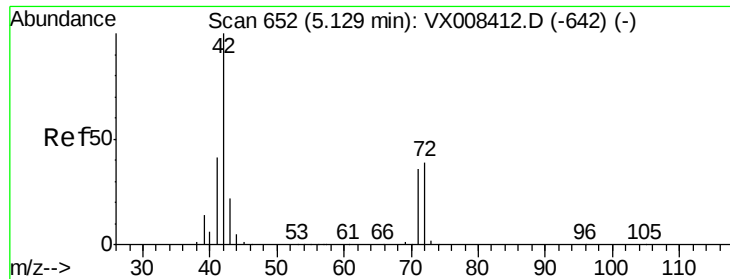


#28

Bromochloromethane
Concen: 20.394 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	60.7	49.8	74.6





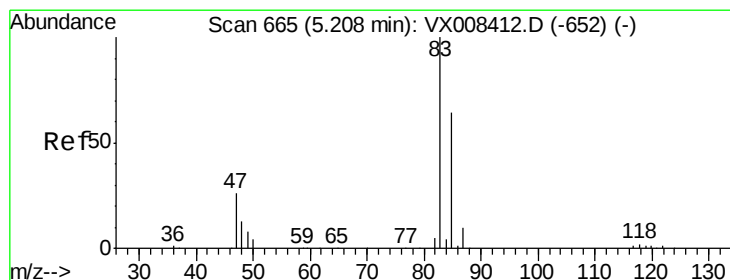
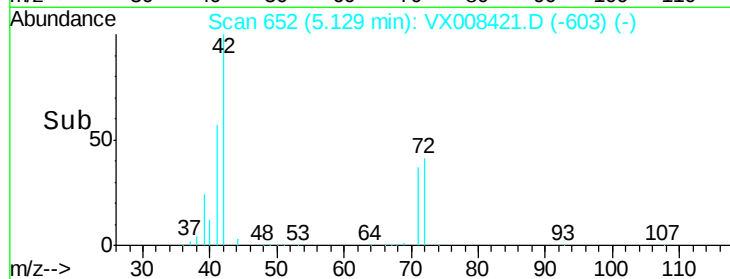
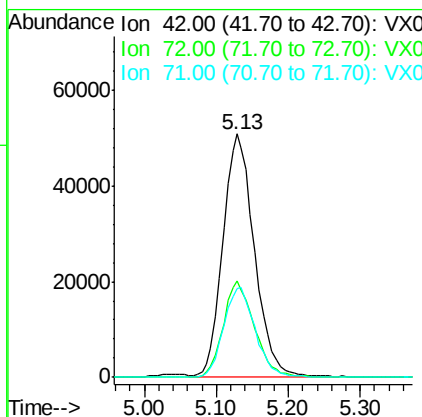
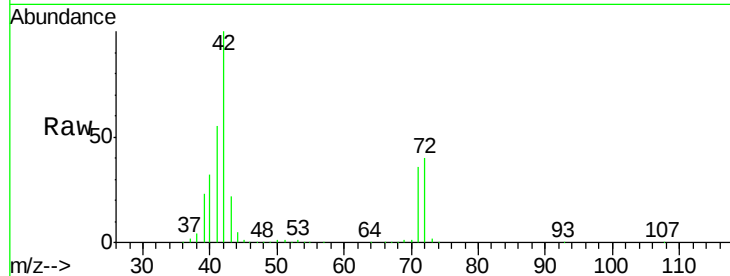
#29
Tetrahydrofuran
Concen: 93.547 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.4	47.2
71	37.3	29.4	44.2

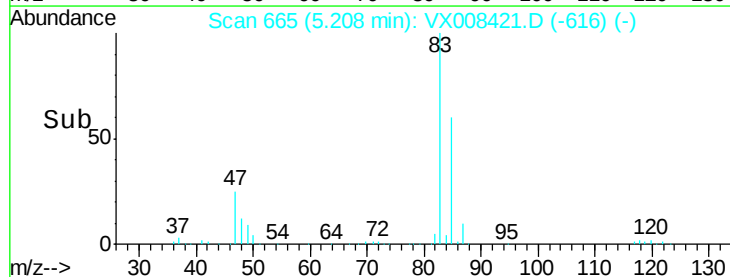
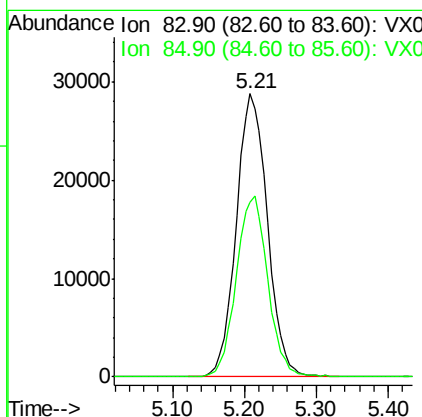
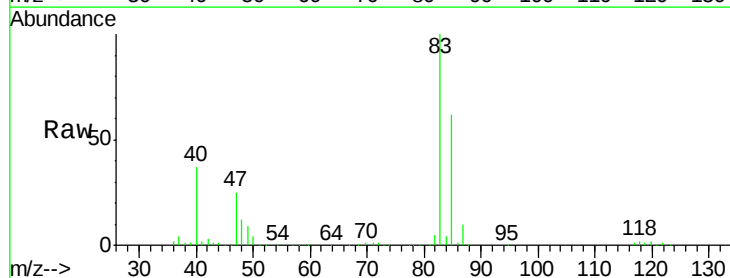
Manual Integrations
APPROVED

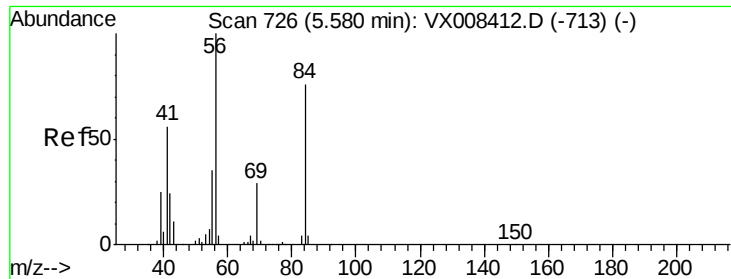
MMDadoda
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#30
Chloroform
Concen: 19.176 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.4	77.2





#31

Cyclohexane

Concen: 18.915 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

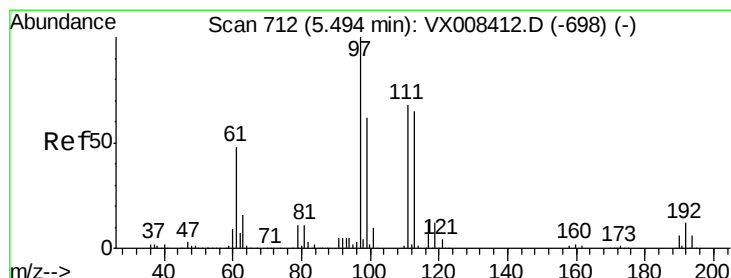
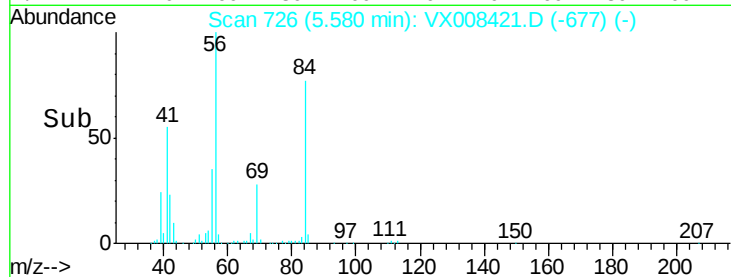
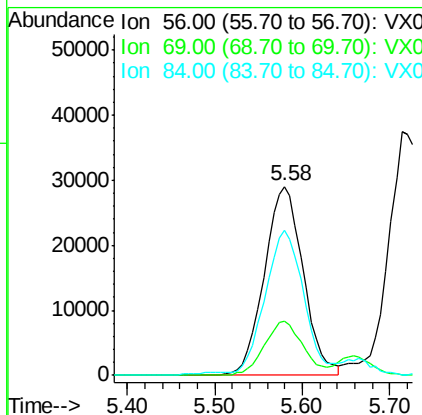
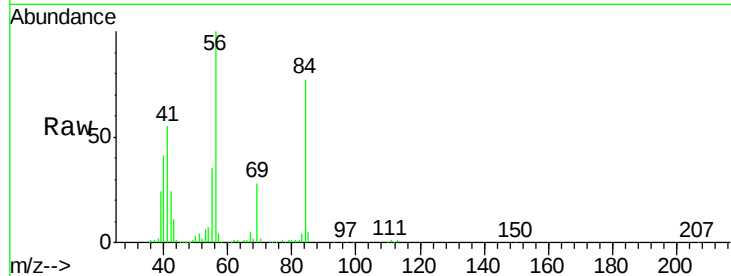
ClientSampleId :

VX0325WBS01

Tot Ion:	56	Resp:	90020
Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.2	34.8
84	76.0	60.7	91.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.952 ug/l

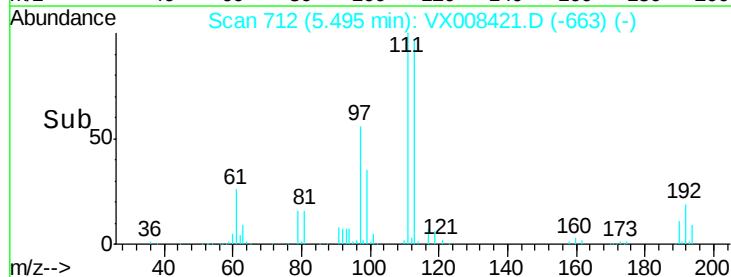
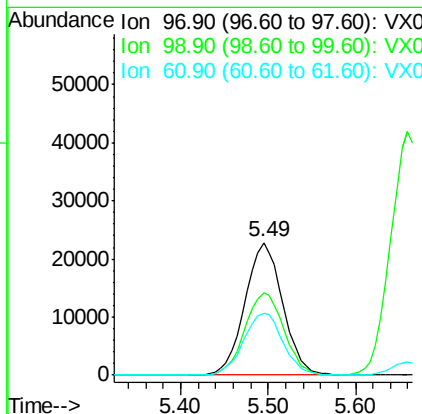
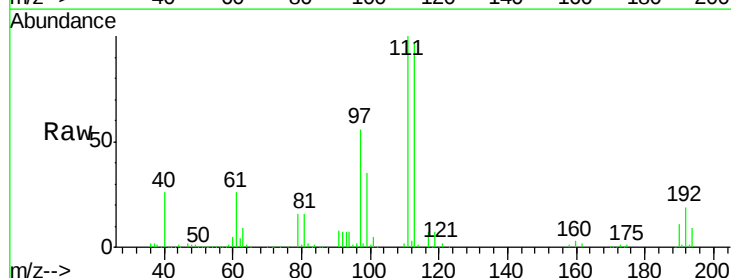
RT: 5.49 min Scan# 712

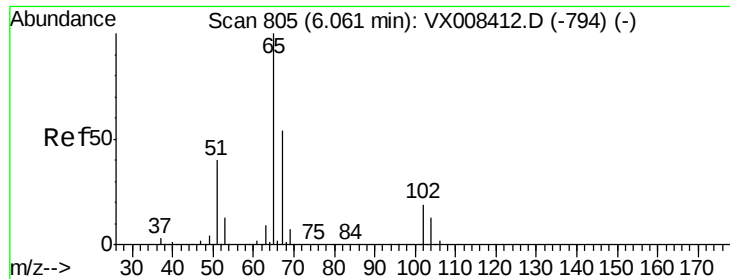
Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Tgt Ion:	97	Resp:	68219
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	49.0	38.8	58.2





#33

1,2-Dichloroethane-d4

Concen: 50.681 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion: 65 Resp: 150476

Ion Ratio Lower Upper

65 100

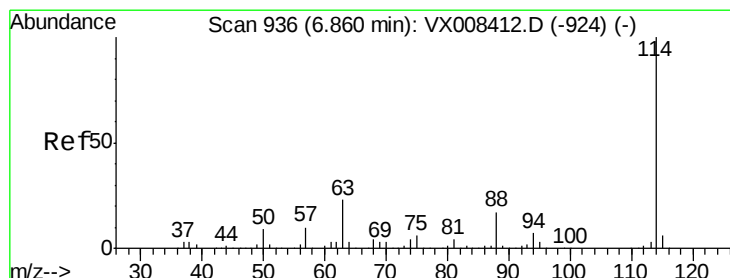
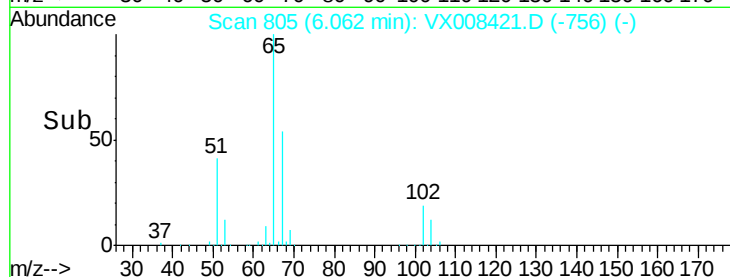
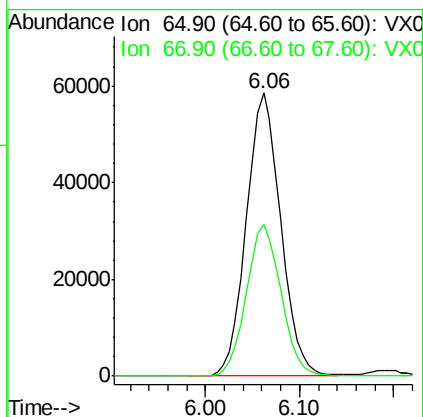
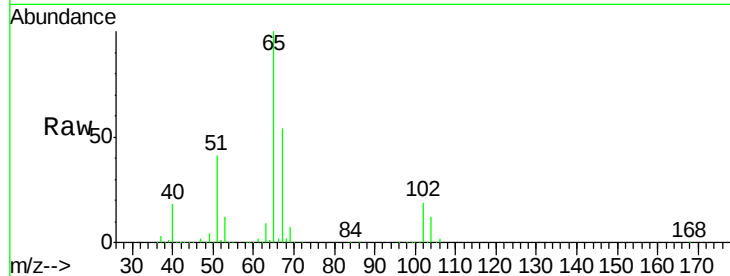
67 54.1 0.0 109.4

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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: VX008421.D

Acq: 25 Mar 2019 19:50

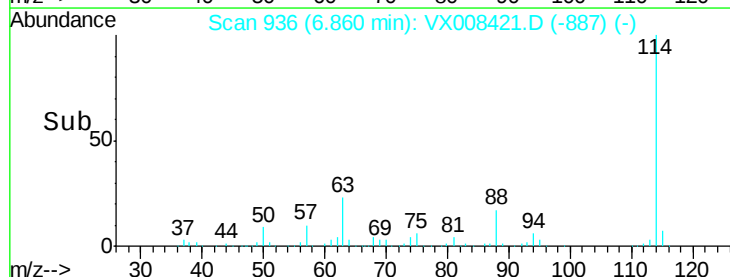
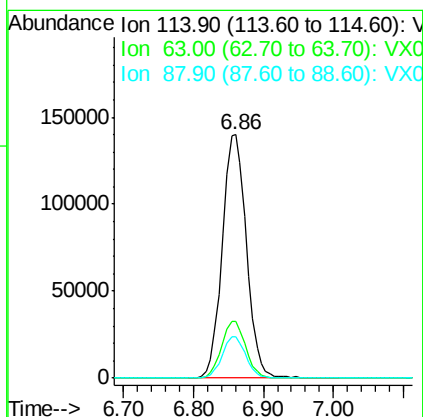
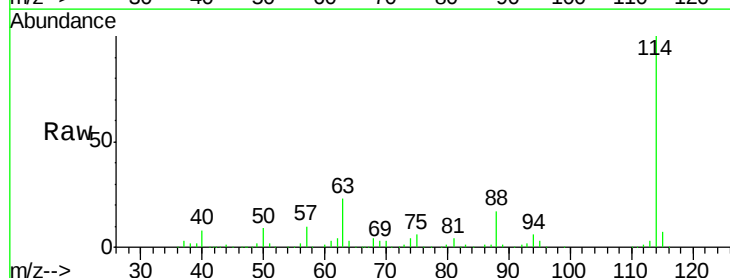
Tgt Ion: 114 Resp: 337049

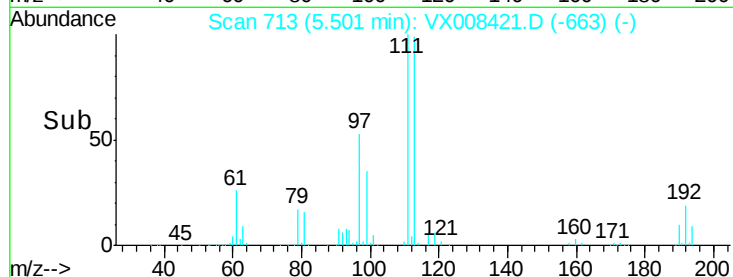
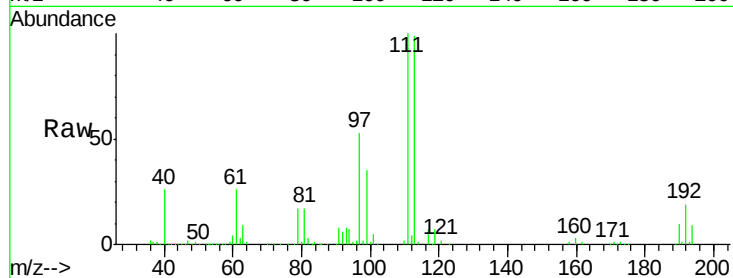
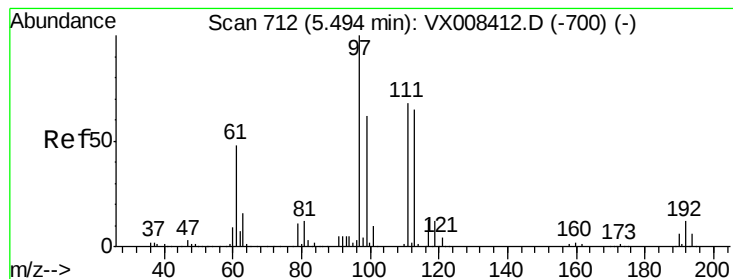
Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.4

88 17.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.313 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008421.D

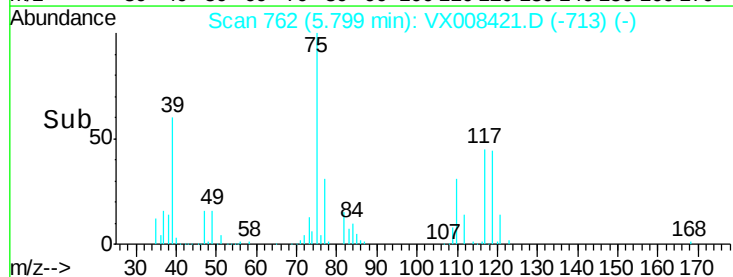
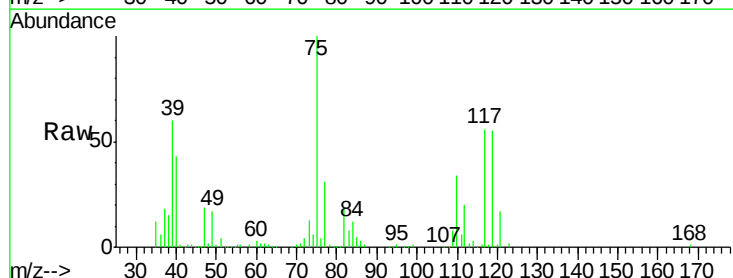
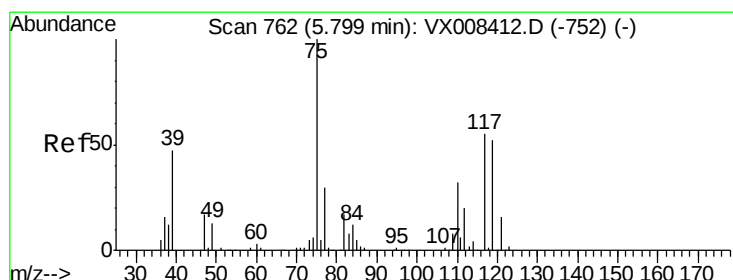
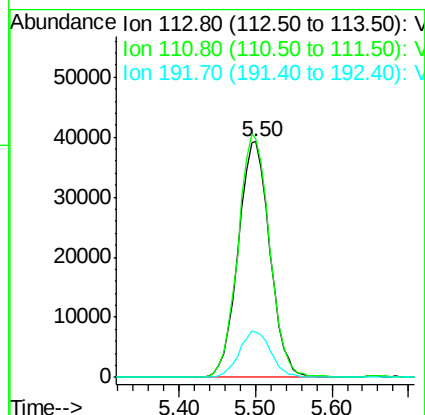
Acq: 25 Mar 2019 19:50

Tot Ion:	113	Resp:	112772
Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.0	124.4
192	19.6	15.6	23.4

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS01

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#36

1,1-Dichloropropene

Concen: 18.311 ug/l

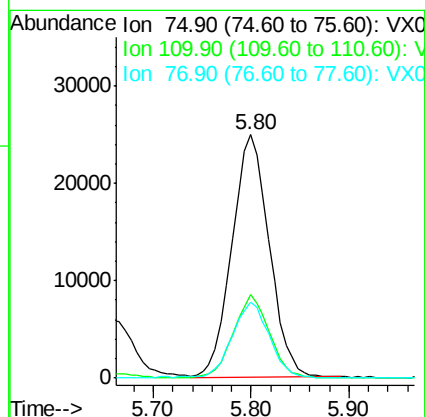
RT: 5.80 min Scan# 762

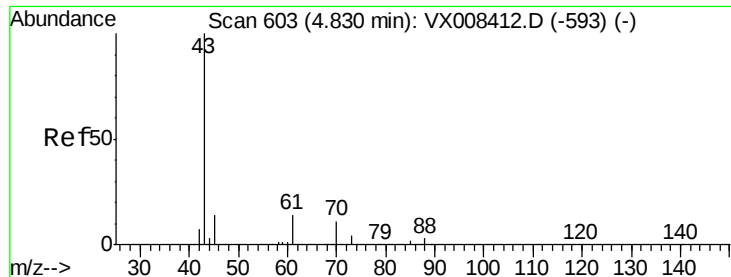
Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Tgt Ion:	75	Resp:	65805
Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.6	49.7
77	31.8	24.2	36.2





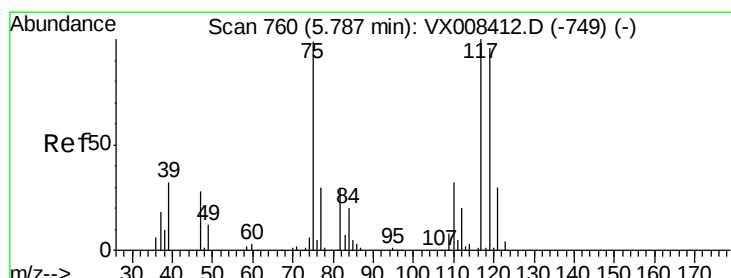
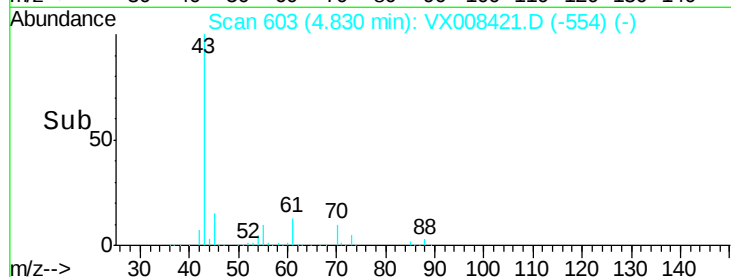
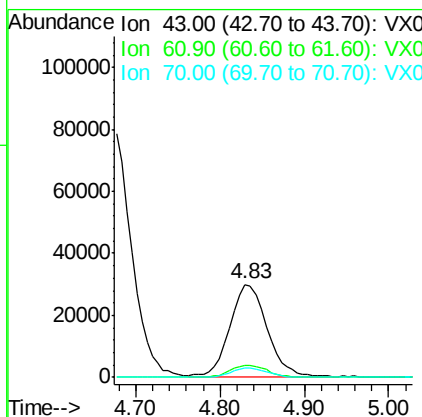
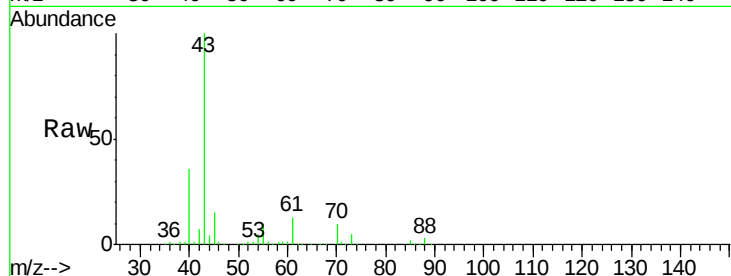
#37
Ethyl Acetate
Concen: 18.819 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.5	15.7
70	10.3	7.8	11.8

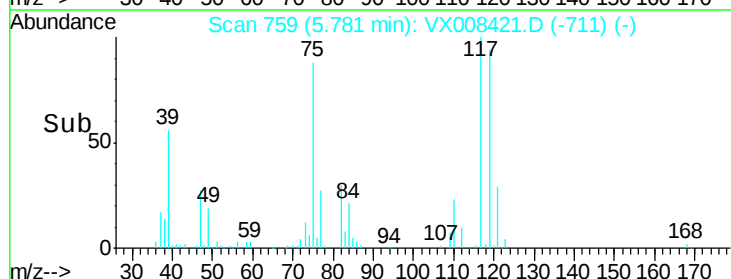
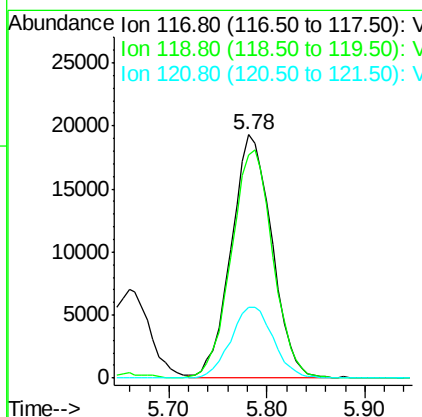
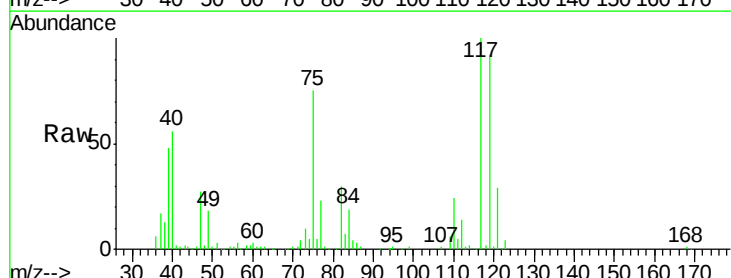
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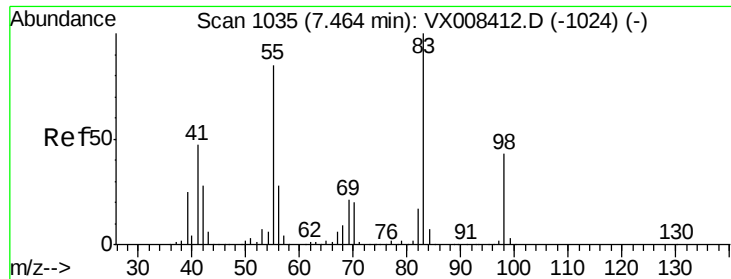
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#38
Carbon Tetrachloride
Concen: 18.586 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	76.7	115.1
121	29.1	24.3	36.5





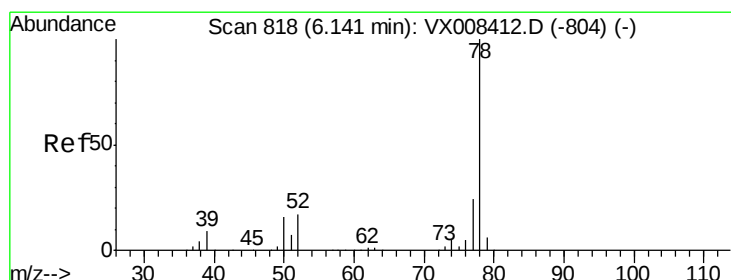
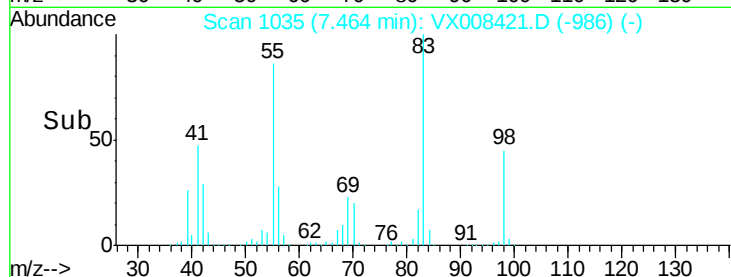
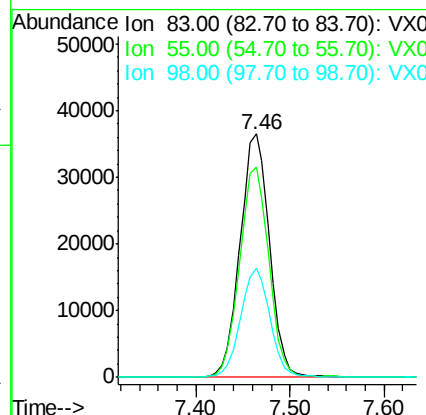
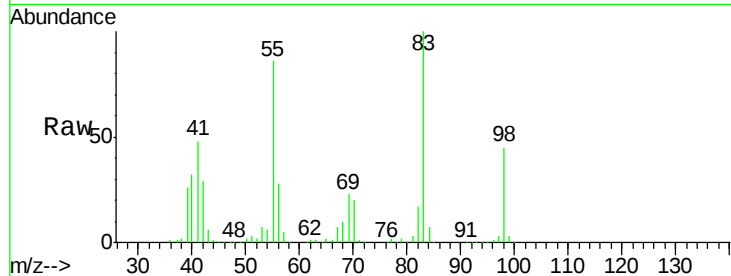
#39
Methylvlcvclohexane
Concen: 18.562 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.2	68.2	102.4
98	45.1	34.2	51.4

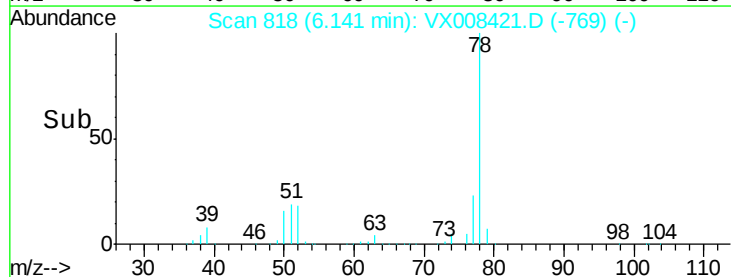
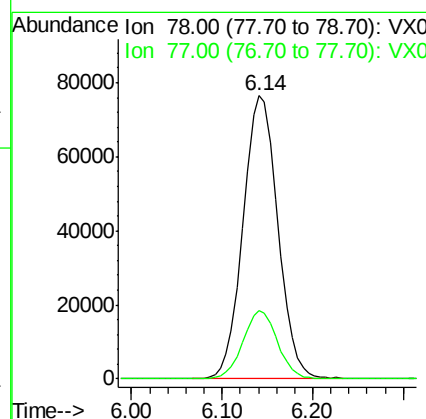
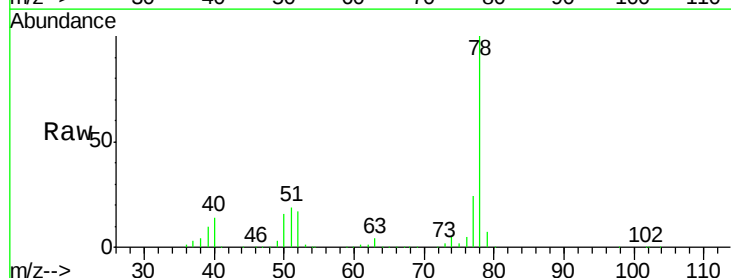
Manual Integrations
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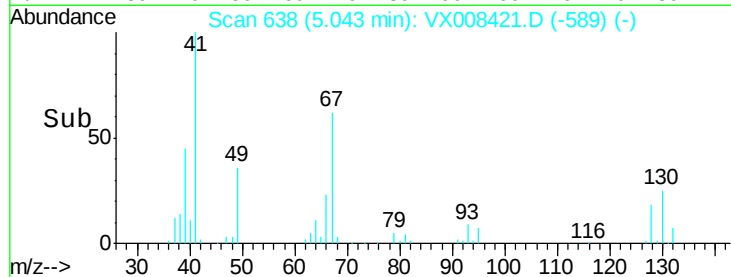
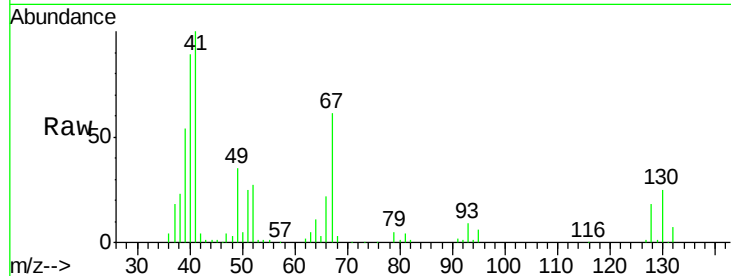
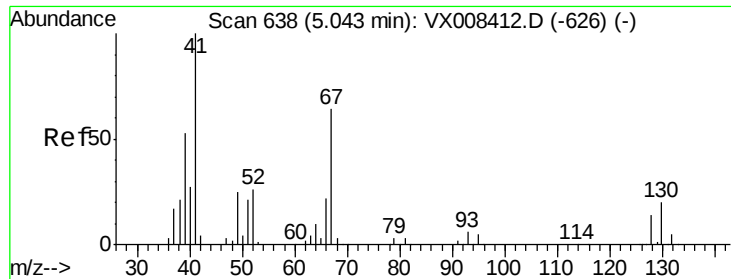
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#40
Benzene
Concen: 18.922 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9





#41

Methacrylonitrile

Concen: 19.022 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.2	42.6	64.0	
67	64.8	52.2	78.4	
52	27.1	21.4	32.0	

Instrument :

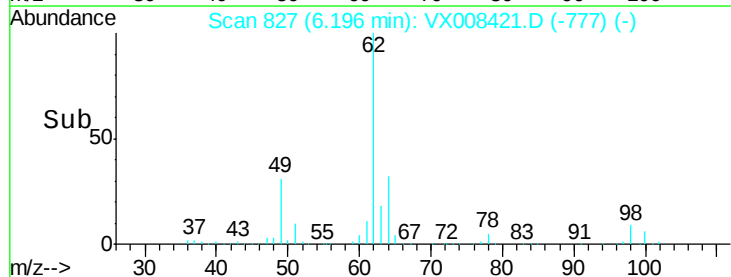
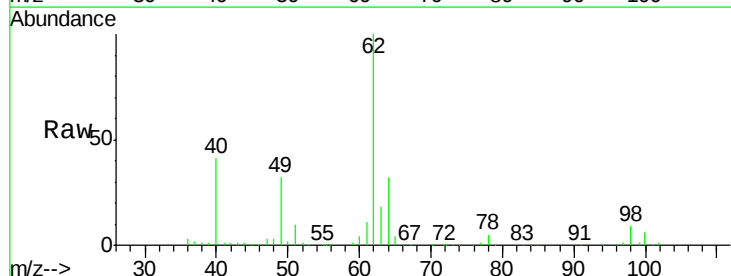
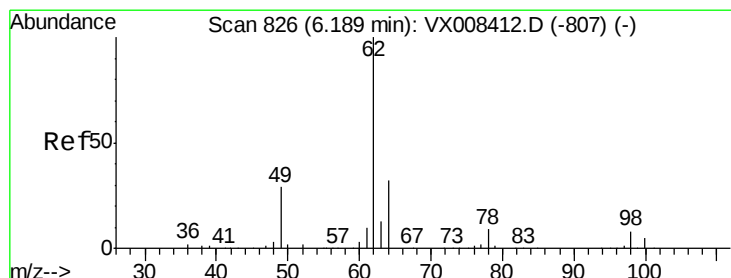
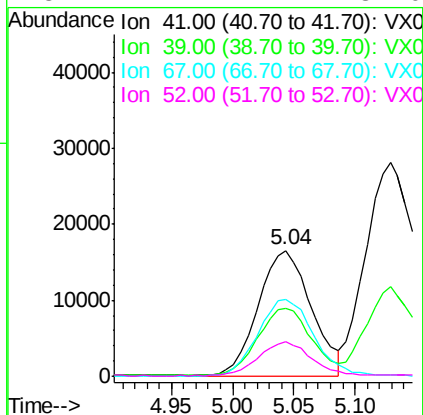
MSVOA_X

ClientSampleId :

VX0325WBS01

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#42

1,2-Dichloroethane

Concen: 18.680 ug/l

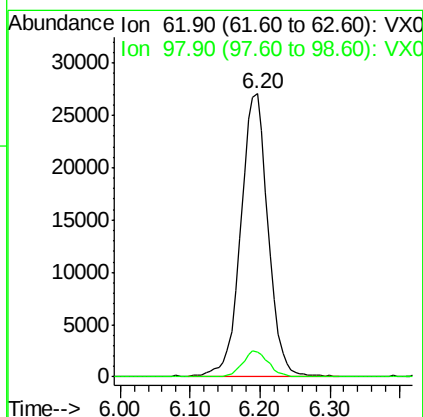
RT: 6.20 min Scan# 827

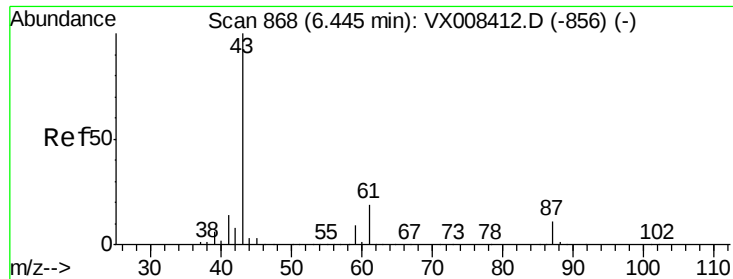
Delta R.T. 0.01 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	17.6	





#43

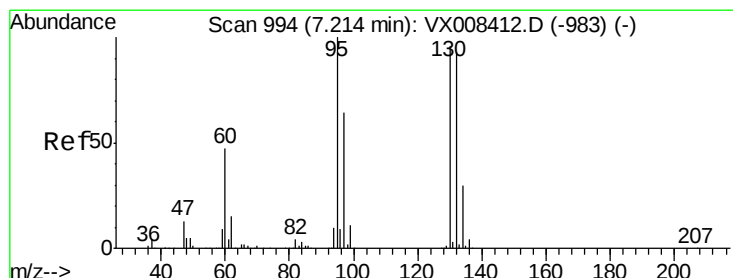
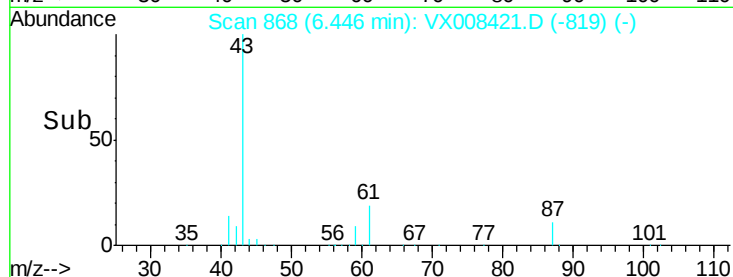
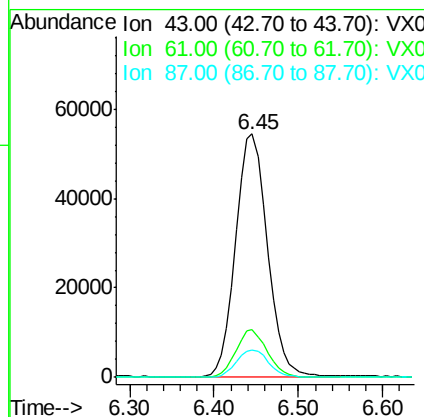
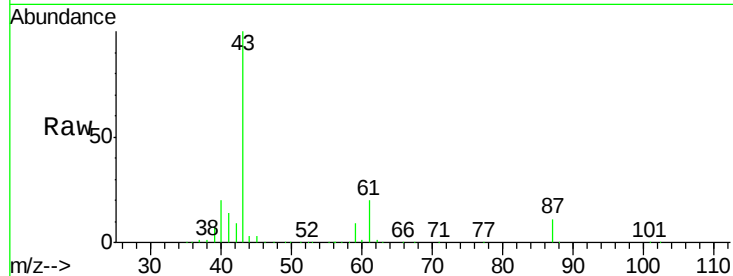
Isopropyl Acetate
 Concen: 18.699 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008421.D
 Acq: 25 Mar 2019 19:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0325WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.4	23.2
87	11.6	9.1	13.7

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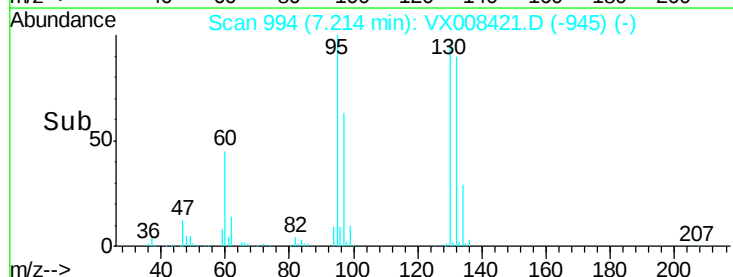
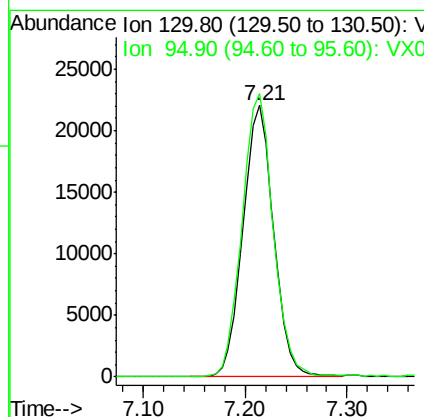
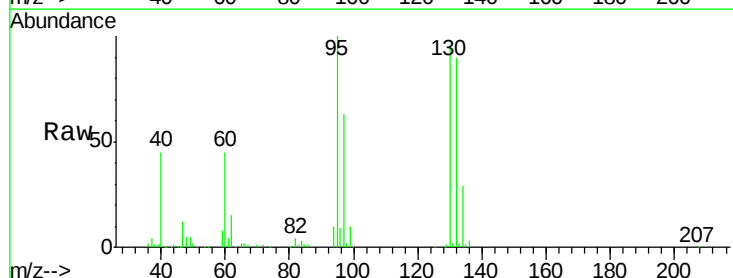
MMDadoda
 3/27/2019 8:56:07 AM

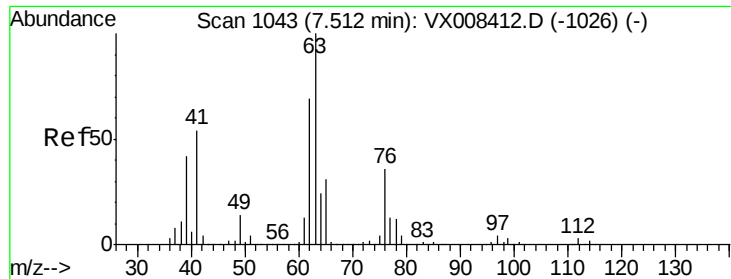


#44

Trichloroethene
 Concen: 18.293 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008421.D
 Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	208.8





#45

1,2-Dichloropropane

Concen: 18.809 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion: 63 Resp: 57518

Ion Ratio Lower Upper

63 100

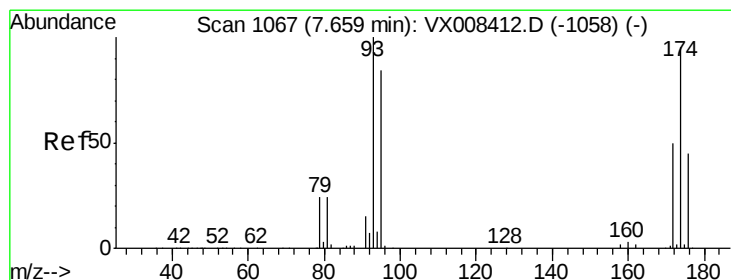
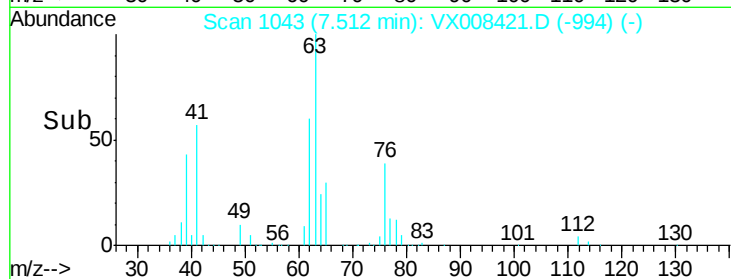
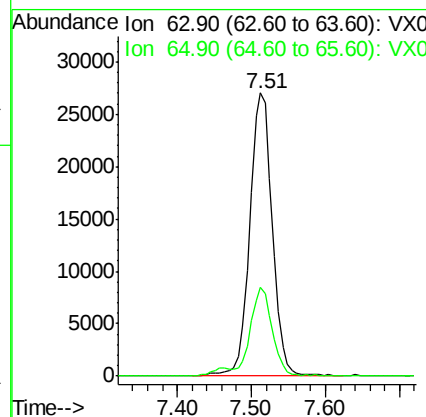
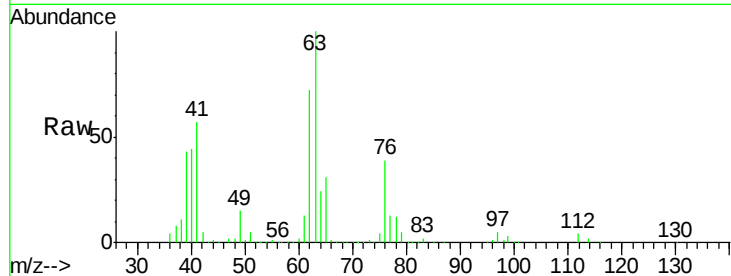
65 31.4 25.1 37.7

Manual Integrations

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#46

Dibromomethane

Concen: 18.494 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

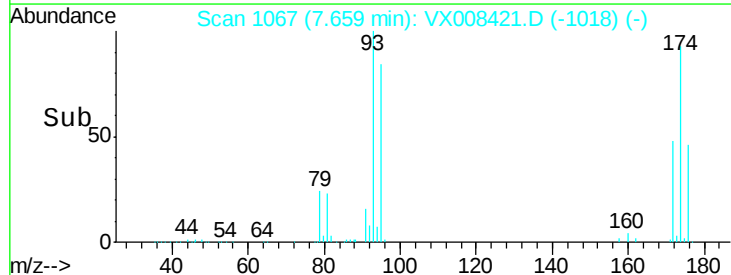
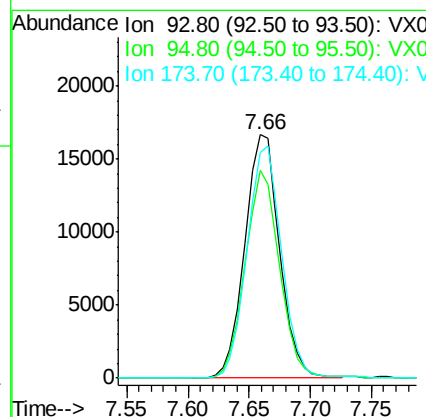
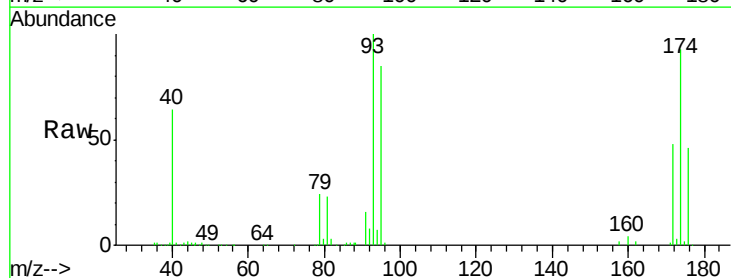
Tgt Ion: 93 Resp: 33025

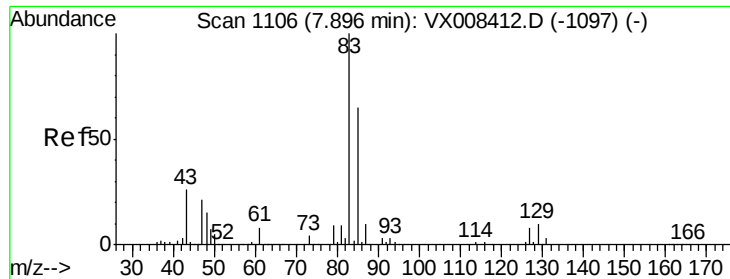
Ion Ratio Lower Upper

93 100

95 84.1 67.0 100.6

174 95.1 76.0 114.0





#47

Bromodichloromethane

Concen: 18.903 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

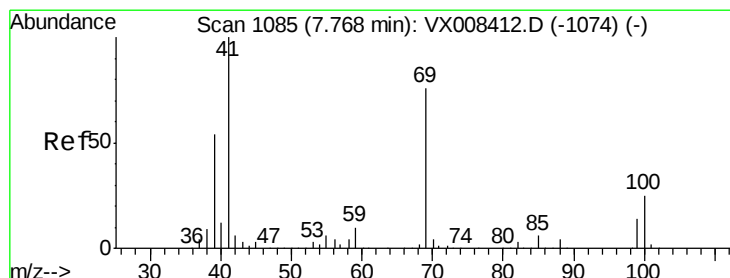
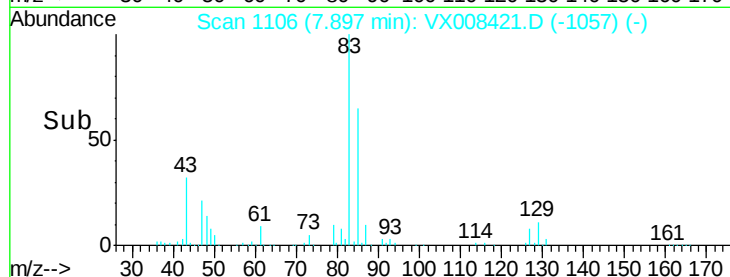
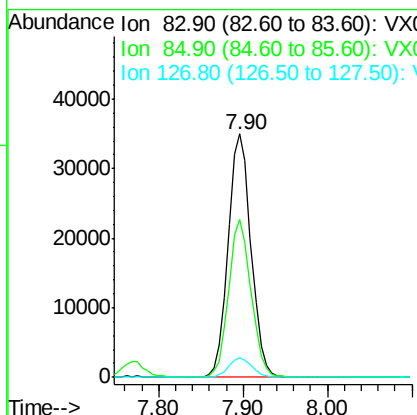
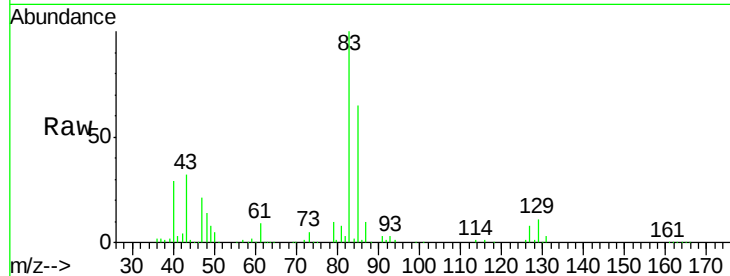
ClientSampleId :

VX0325WBS01

Tot Ion:	83	Resp:	64612
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.0	78.0
127	8.3	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.834 ug/l

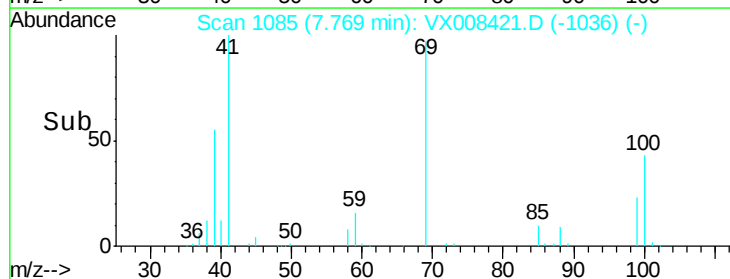
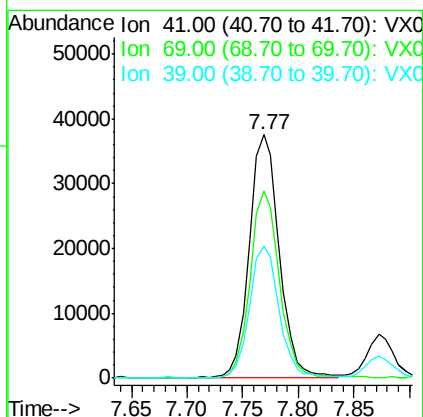
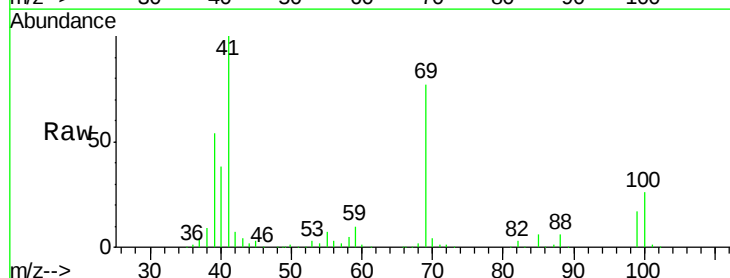
RT: 7.77 min Scan# 1085

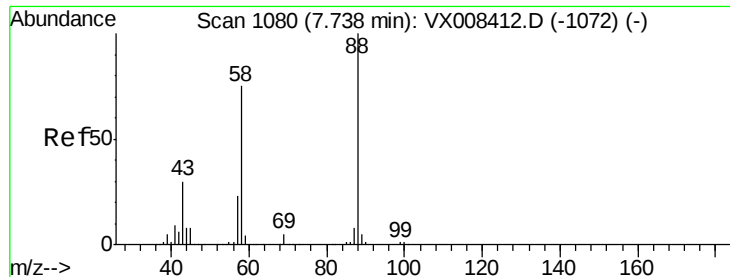
Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Tgt Ion:	41	Resp:	70175
Ion	Ratio	Lower	Upper
41	100		
69	76.1	60.8	91.2
39	53.1	42.3	63.5





#49

1,4-Dioxane

Concen: 370.034 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

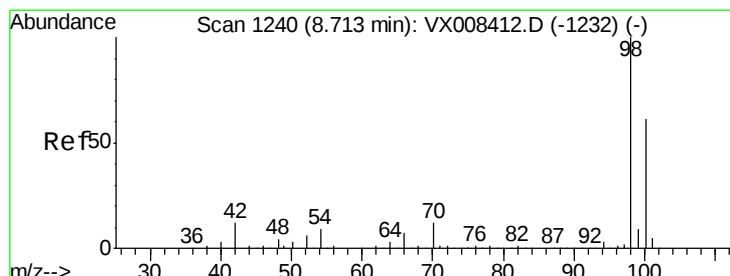
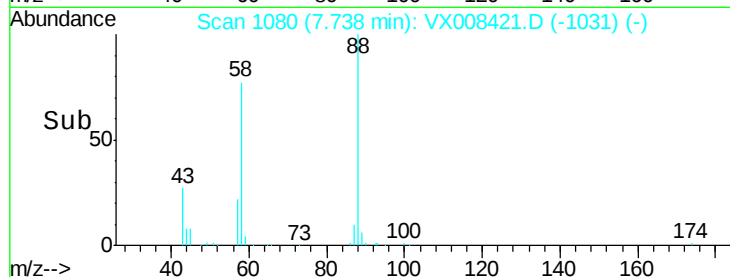
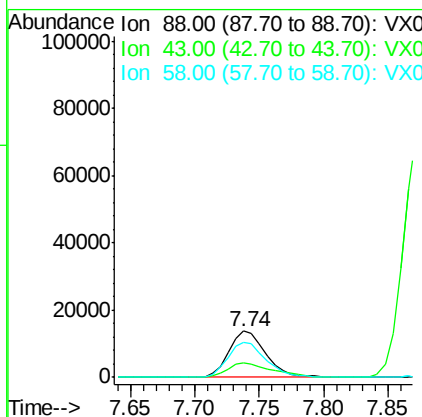
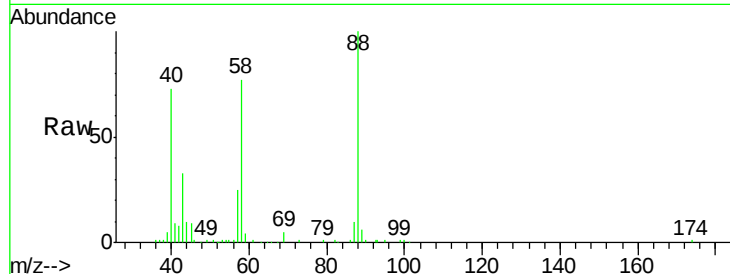
ClientSampleId :

VX0325WBS01

Tot Ion:	88	Resp:	27414
Ion	Ratio	Lower	Upper
88	100		
43	38.7	28.6	43.0
58	81.0	63.0	94.4

Manual Integrations
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#50

Toluene-d8

Concen: 51.017 ug/l

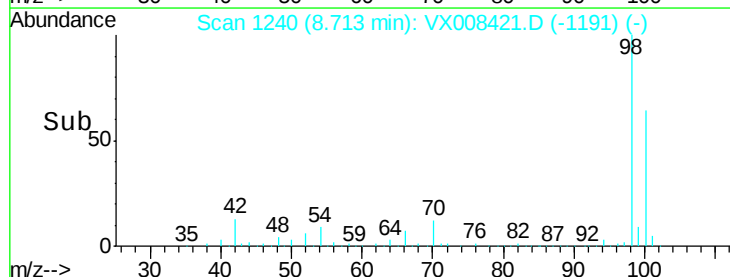
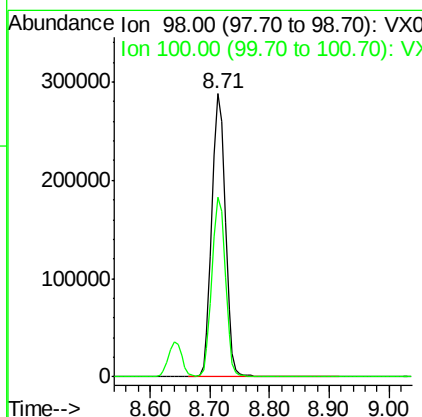
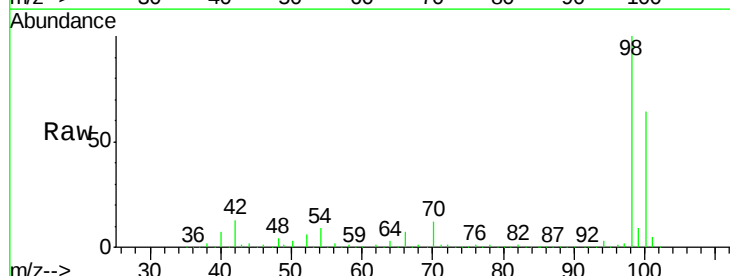
RT: 8.71 min Scan# 1240

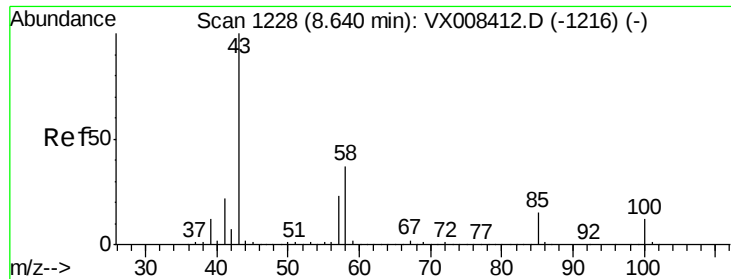
Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Tgt Ion:	98	Resp:	448325
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 95.212 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion: 43 Resp: 460506

Ion Ratio Lower Upper

43 100

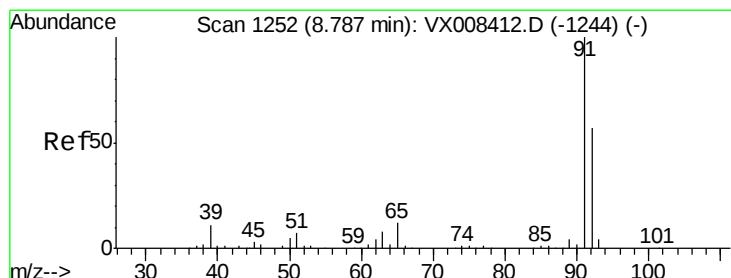
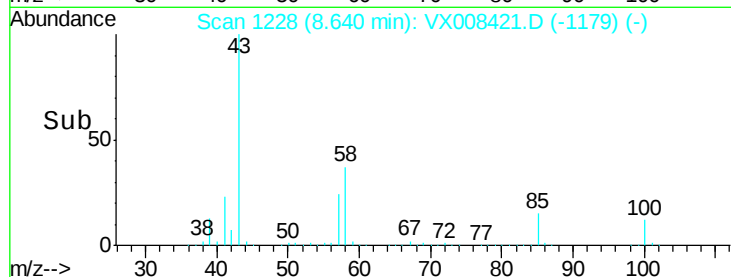
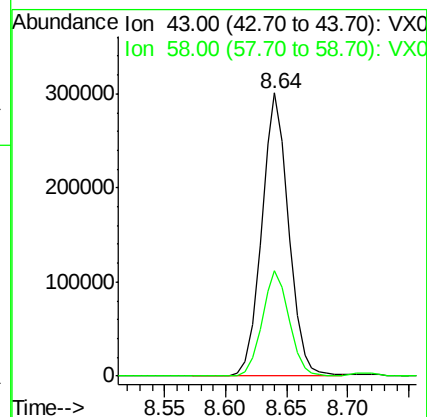
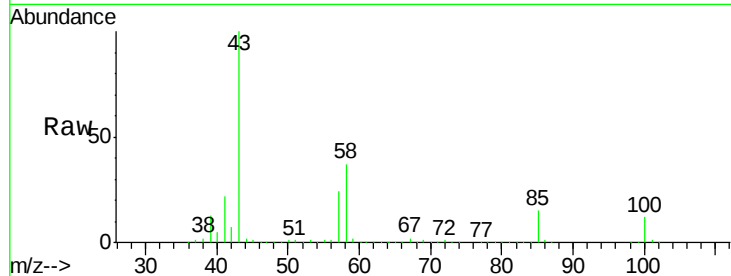
58 37.5 29.8 44.8

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#52

Toluene

Concen: 18.627 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008421.D

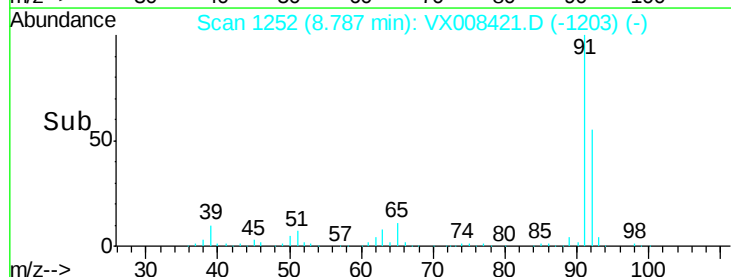
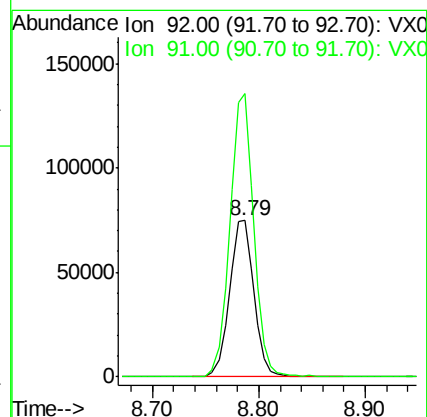
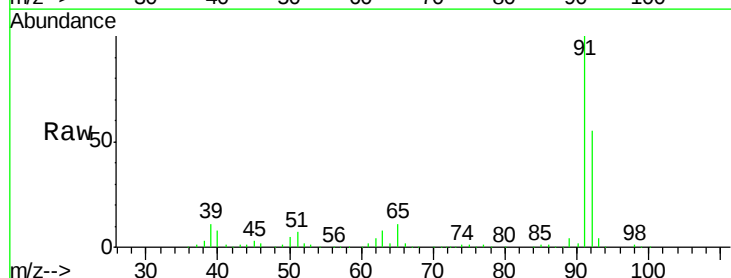
Acq: 25 Mar 2019 19:50

Tgt Ion: 92 Resp: 119826

Ion Ratio Lower Upper

92 100

91 177.8 140.2 210.4





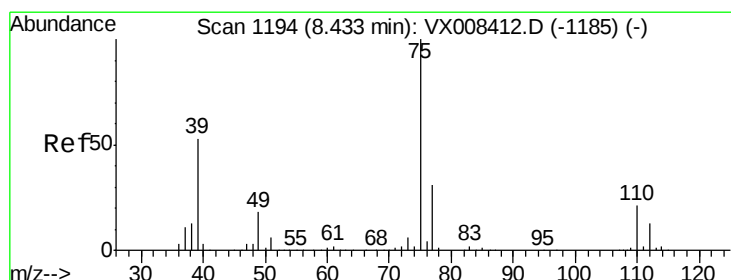
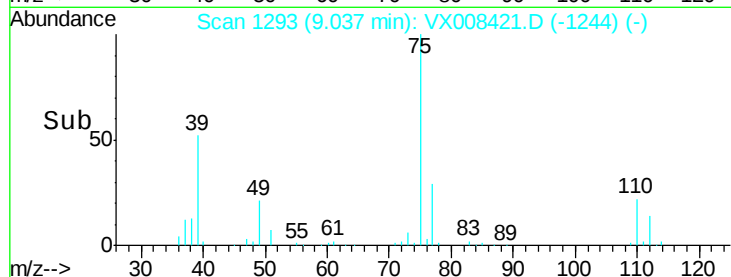
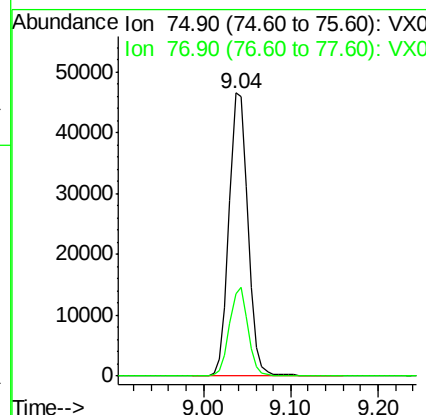
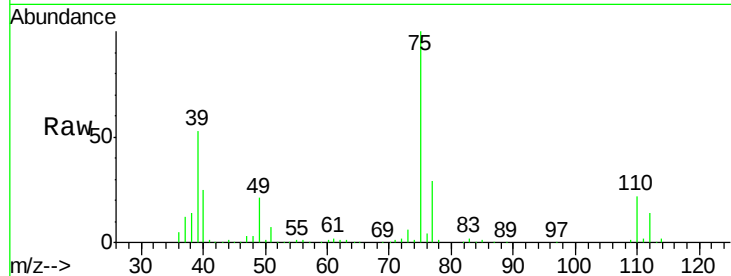
#53
t-1,3-Dichloropropene
Concen: 18.649 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS01

Tot Ion: 75 Resp: 69816
Ion Ratio Lower Upper
75 100
77 29.3 24.3 36.5

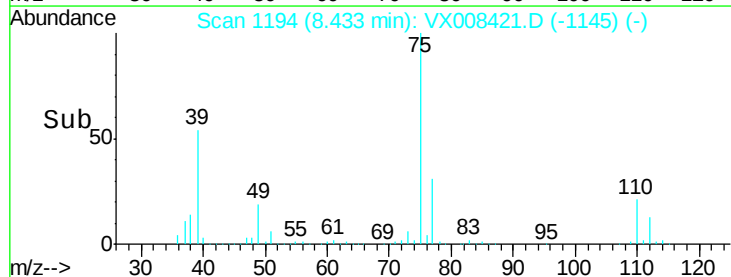
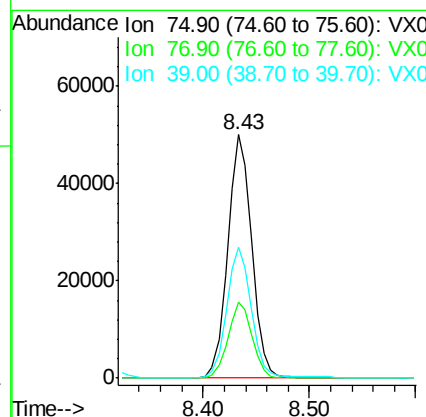
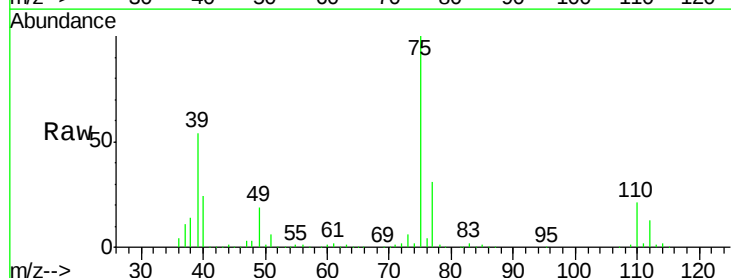
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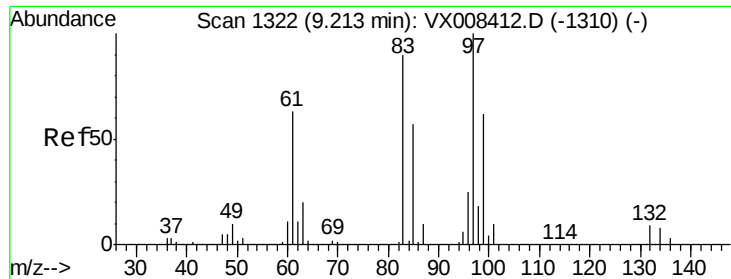
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#54
cis-1,3-Dichloropropene
Concen: 18.530 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 75 Resp: 78887
Ion Ratio Lower Upper
75 100
77 31.1 24.7 37.1
39 53.7 42.4 63.6





#55

1,1,2-Trichloroethane

Concen: 18.872 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

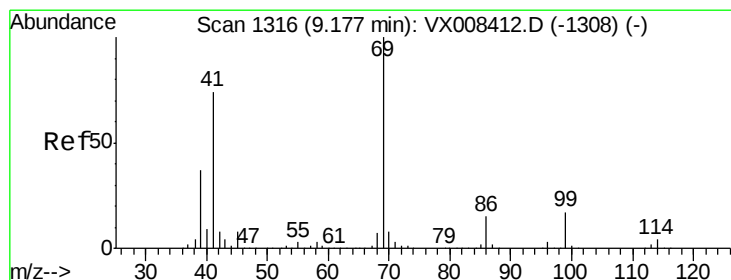
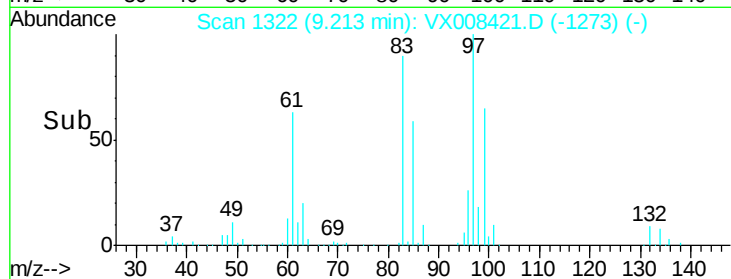
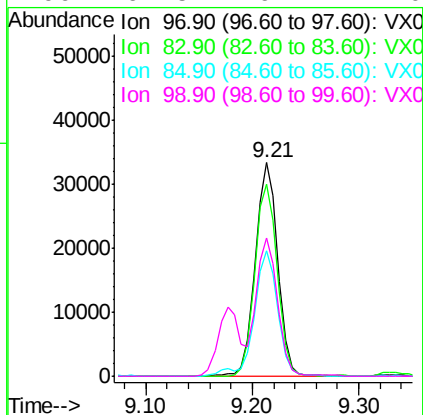
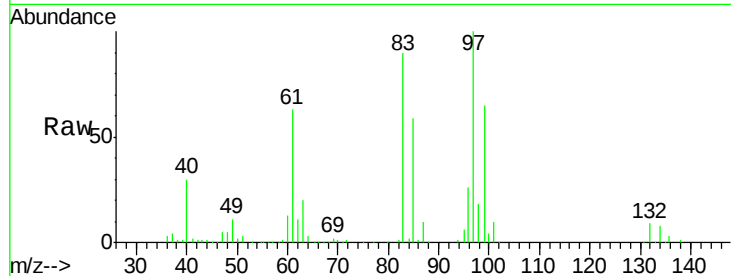
ClientSampleId :

VX0325WBS01

Tot Ion:	97	Resp:	49418
Ion	Ratio	Lower	Upper
97	100		
83	90.2	71.8	107.6
85	59.0	45.9	68.9
99	64.5	49.4	74.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.181 ug/l

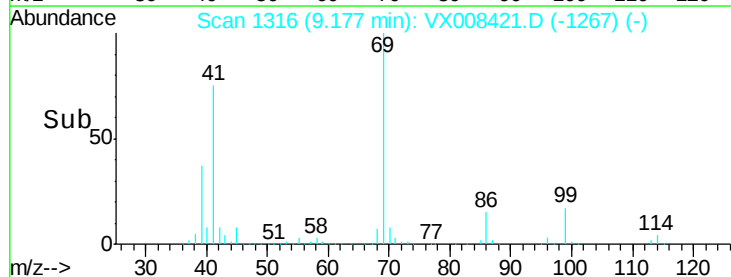
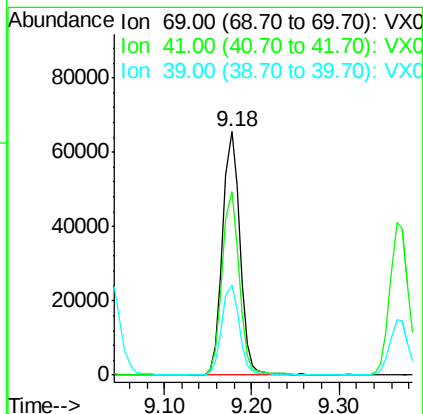
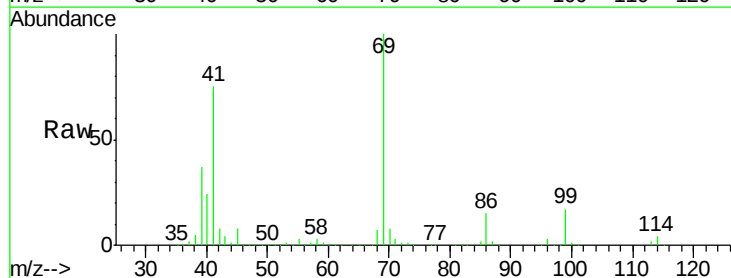
RT: 9.18 min Scan# 1316

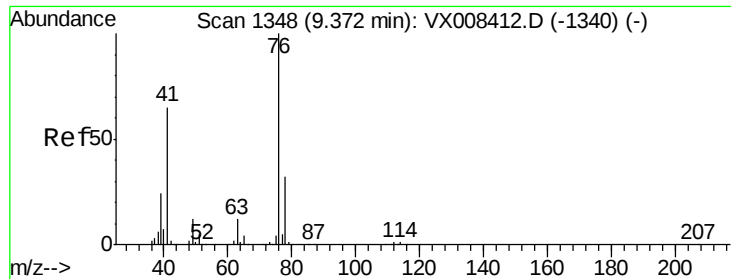
Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Tgt Ion:	69	Resp:	90663
Ion	Ratio	Lower	Upper
69	100		
41	72.9	59.5	89.3
39	37.1	29.3	43.9





#57

1,3-Dichloropropane

Concen: 19.069 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion: 76 Resp: 89530

Ion Ratio Lower Upper

76 100

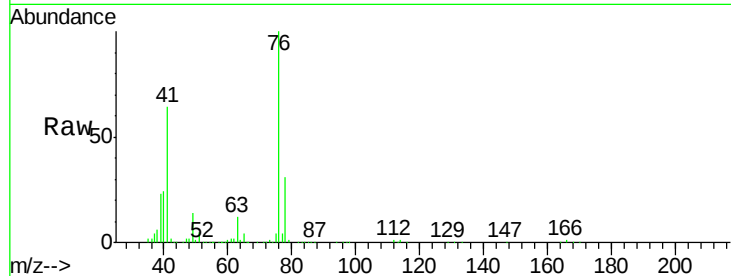
78 31.5 25.8 38.8

Manual Integrations

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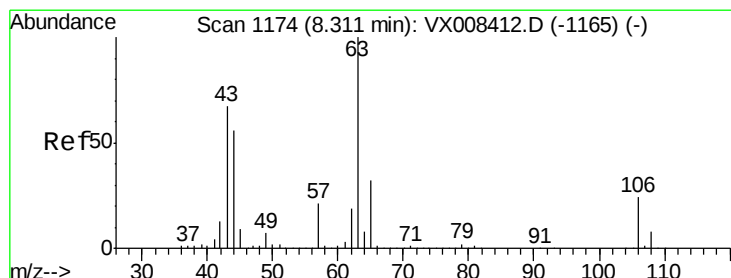
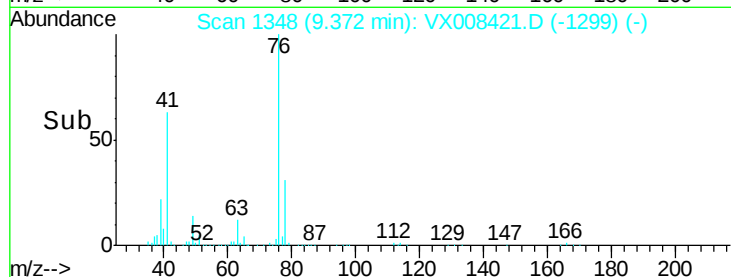
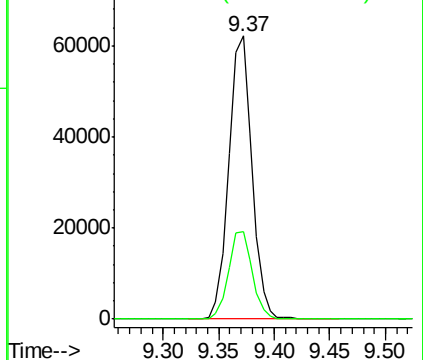
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 95.254 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008421.D

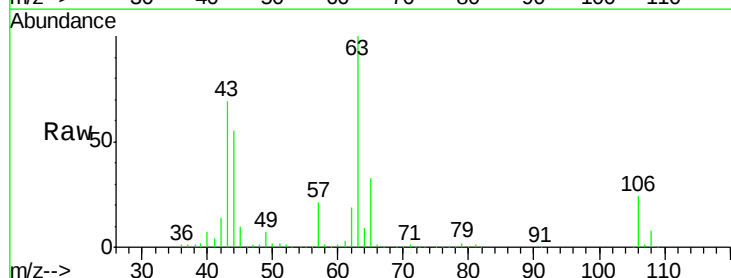
Acq: 25 Mar 2019 19:50

Tgt Ion: 63 Resp: 232741

Ion Ratio Lower Upper

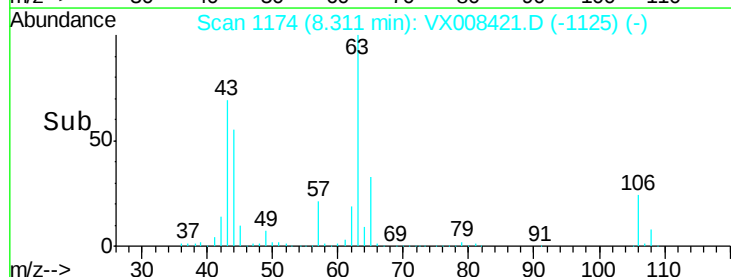
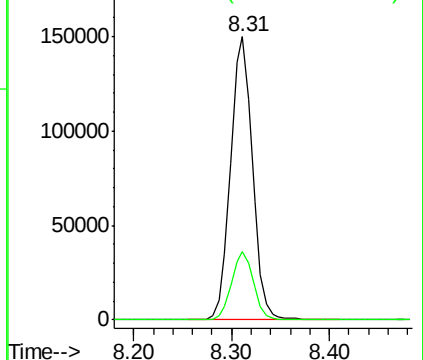
63 100

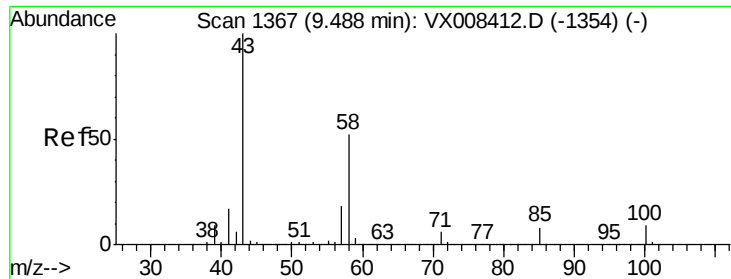
106 24.1 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





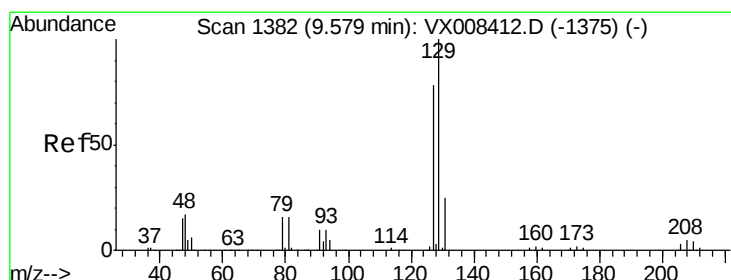
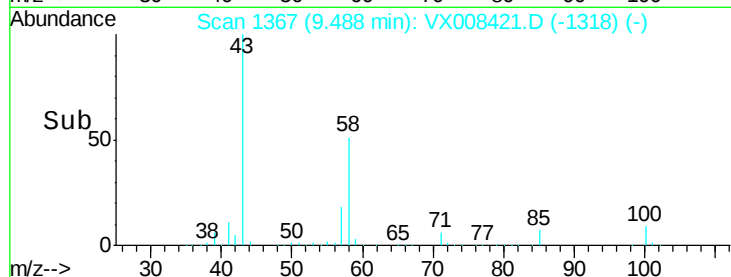
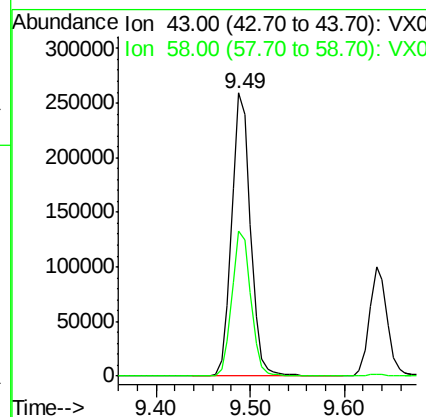
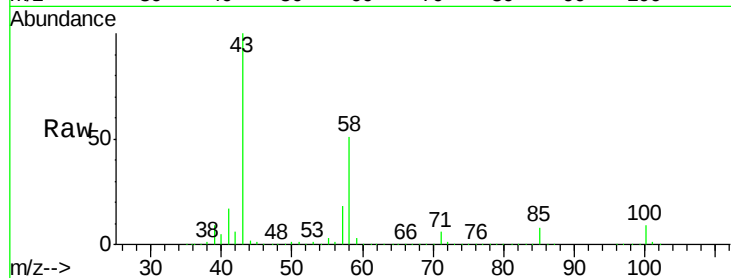
#59
2-Hexanone
Concen: 95.673 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS01

Tot Ion: 43 Resp: 358551
Ion Ratio Lower Upper
43 100
58 52.0 26.3 78.9

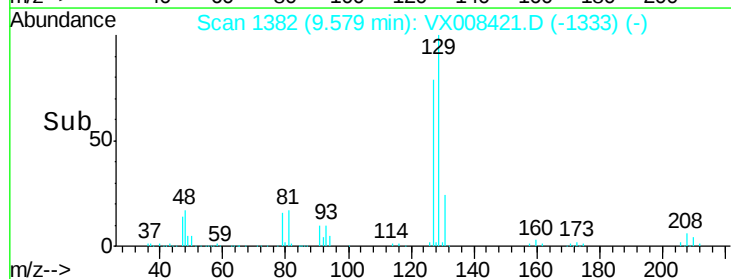
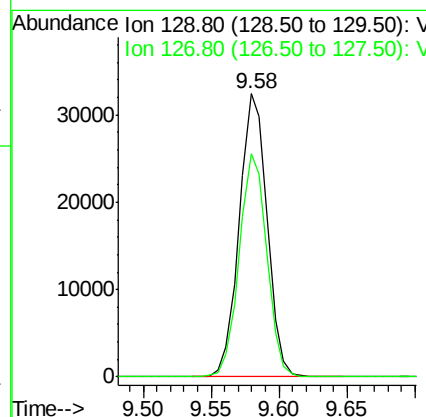
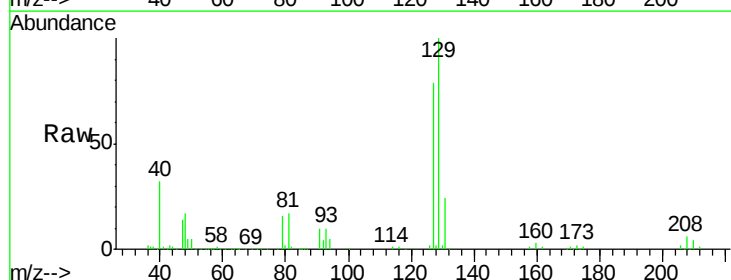
Manual Integrations
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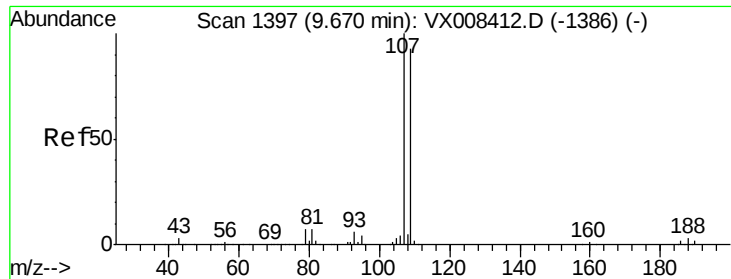
MMDadoda
3/27/2019 8:56:07 AM



#60
Dibromochloromethane
Concen: 18.590 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 129 Resp: 46296
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.3





#61

1,2-Dibromoethane

Concen: 18.975 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion:107 Resp: 50708

Ion Ratio Lower Upper

107 100

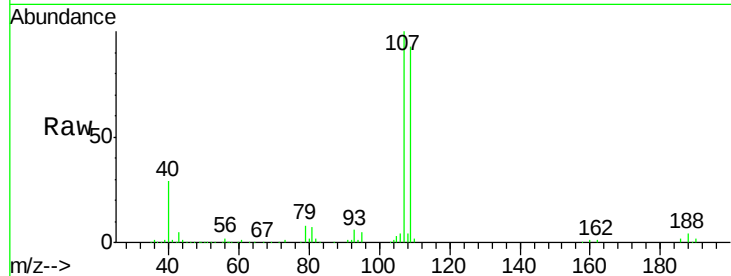
109 93.7 74.6 111.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

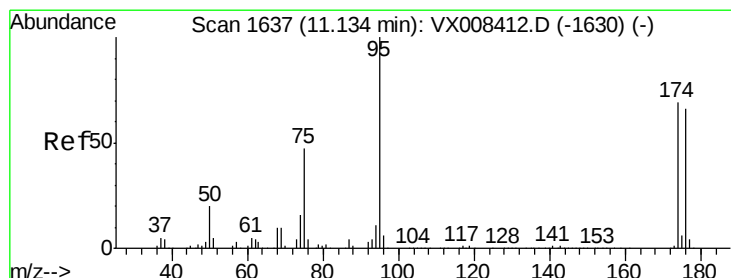
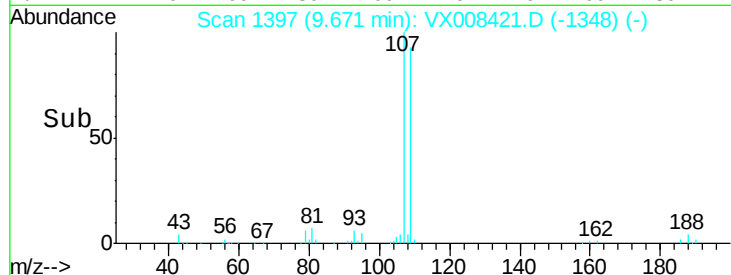
20000

10000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 50.132 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

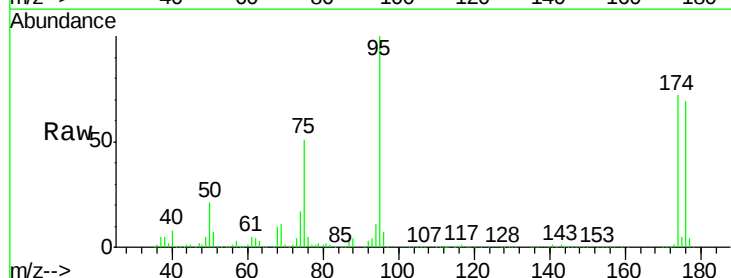
Tgt Ion: 95 Resp: 163249

Ion Ratio Lower Upper

95 100

174 74.6 0.0 147.2

176 71.6 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

150000

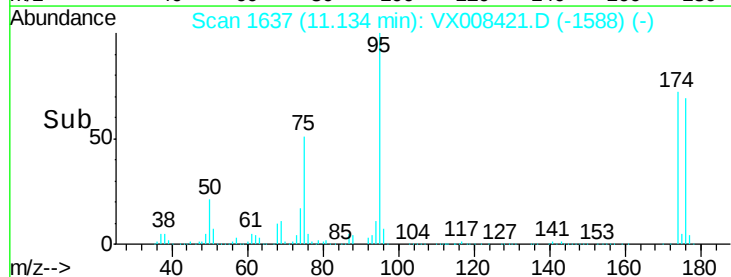
100000

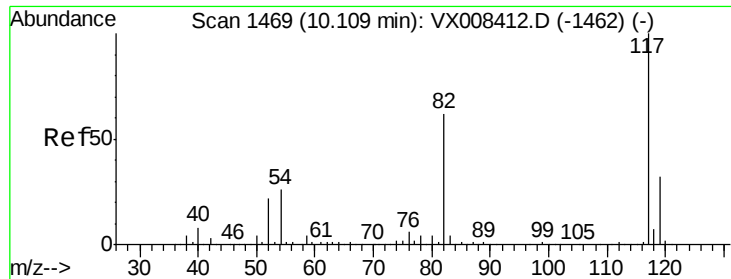
50000

0

Time-->

11.10 11.20





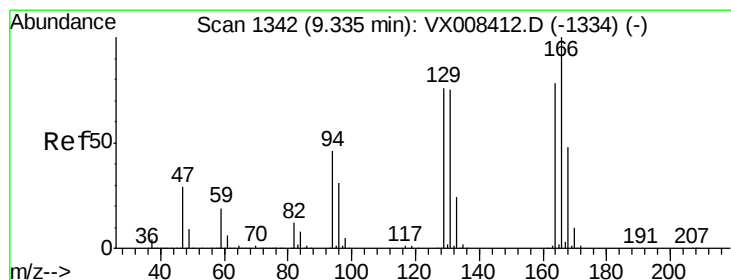
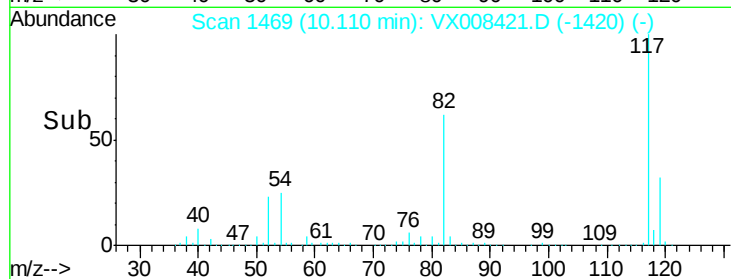
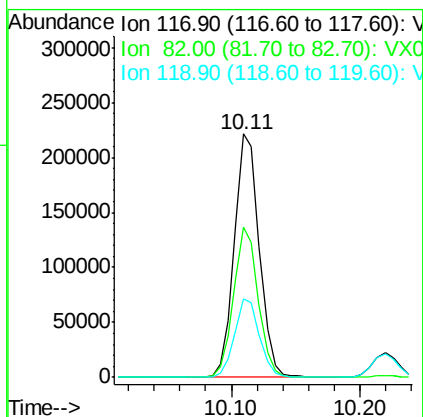
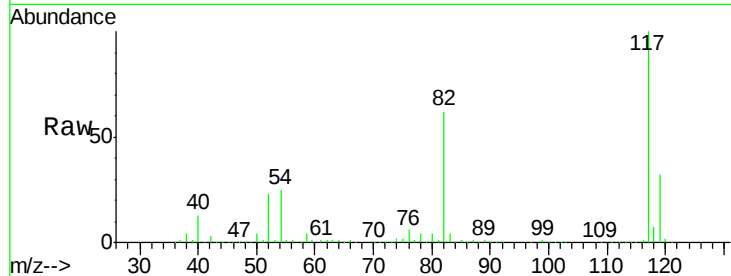
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.8	49.4	74.2
119	32.0	25.4	38.0

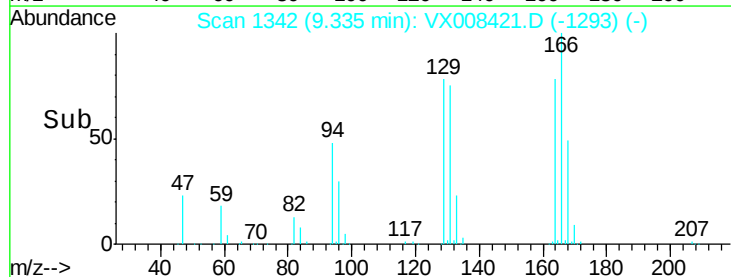
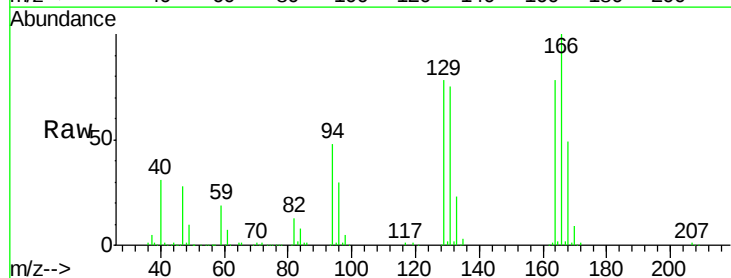
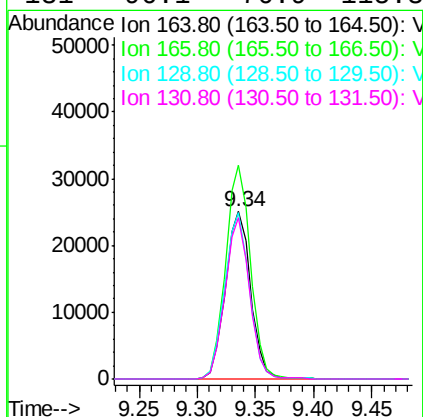
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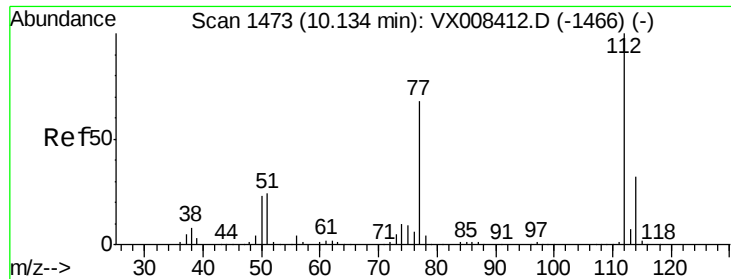
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#64
Tetrachloroethene
Concen: 18.529 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.5	153.7
129	99.3	77.8	116.8
131	96.1	76.9	115.3





#65

Chlorobenzene

Concen: 18.839 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion:112 Resp: 123133

Ion Ratio Lower Upper

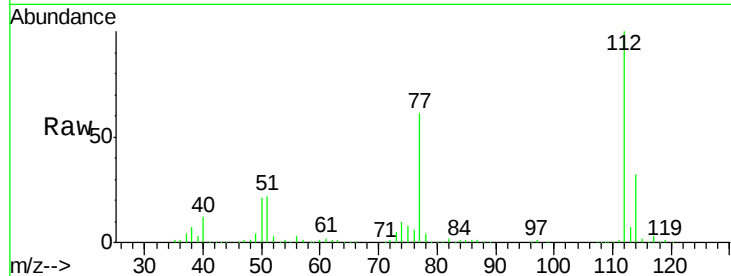
112 100

114 31.6 25.4 38.2

Manual Integrations
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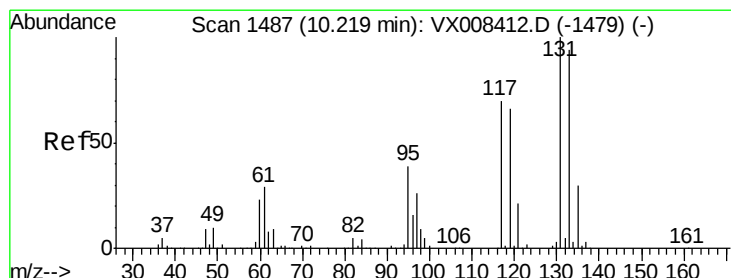
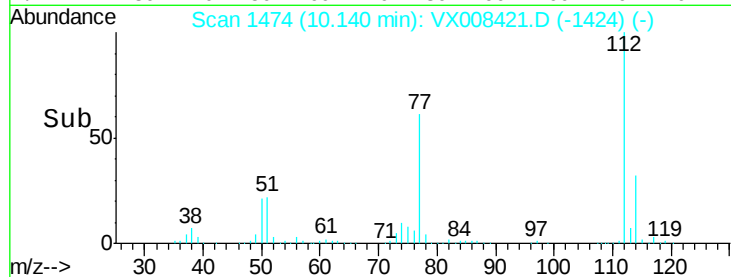
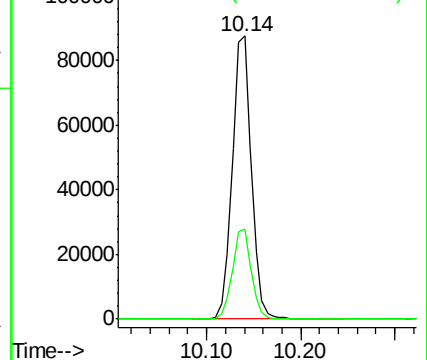
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.014 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

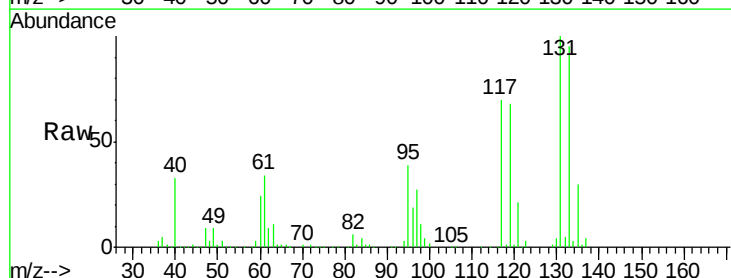
Tgt Ion:131 Resp: 42876

Ion Ratio Lower Upper

131 100

133 95.0 47.3 141.8

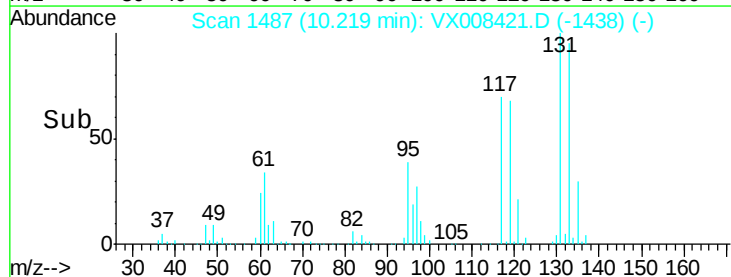
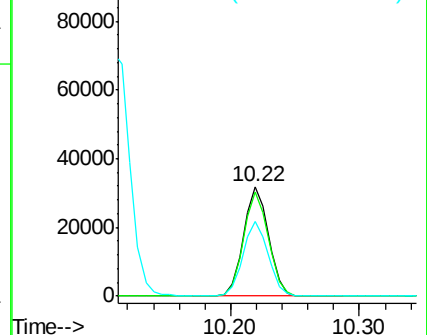
119 68.7 33.6 100.6

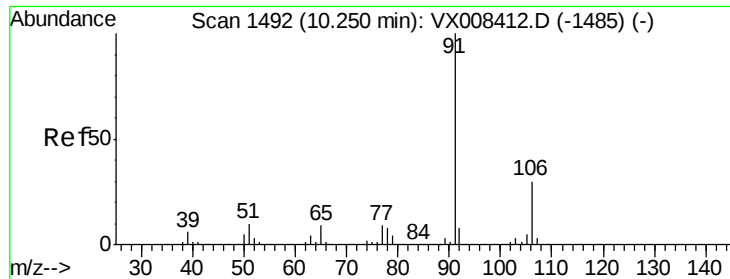


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.798 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion: 91 Resp: 231878

Ion Ratio Lower Upper

91 100

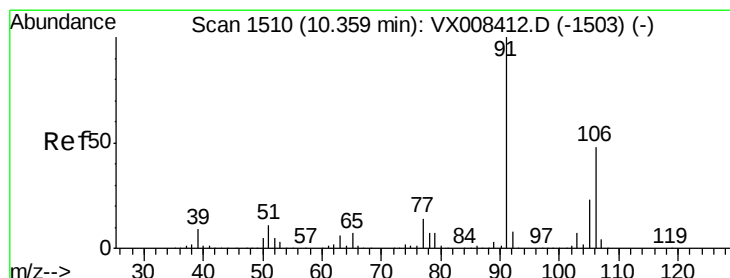
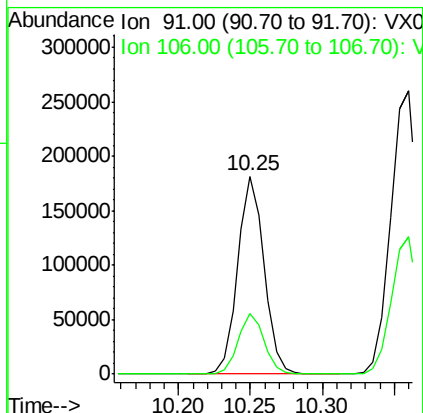
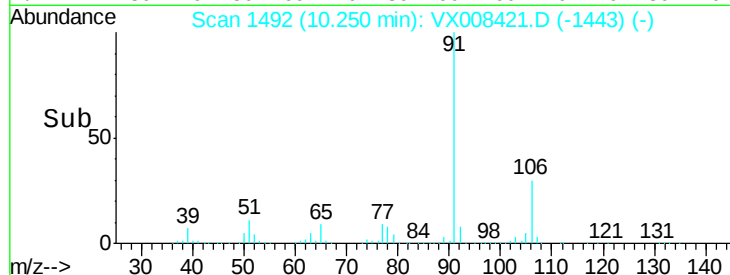
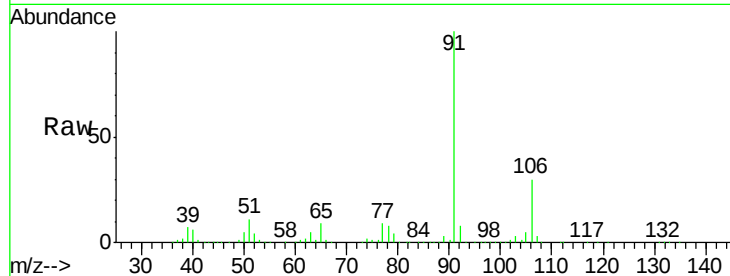
106 30.4 24.0 36.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 37.628 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008421.D

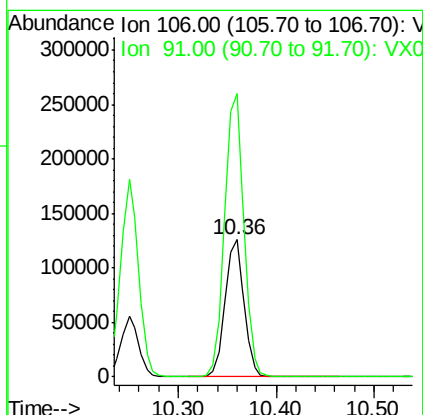
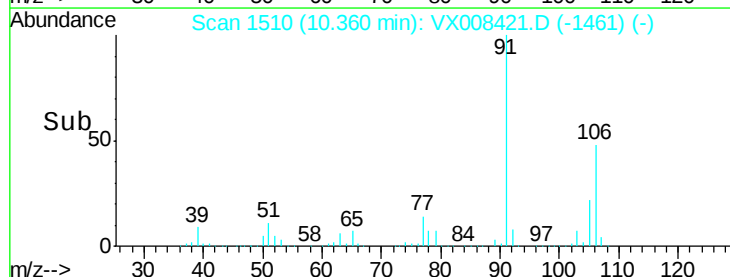
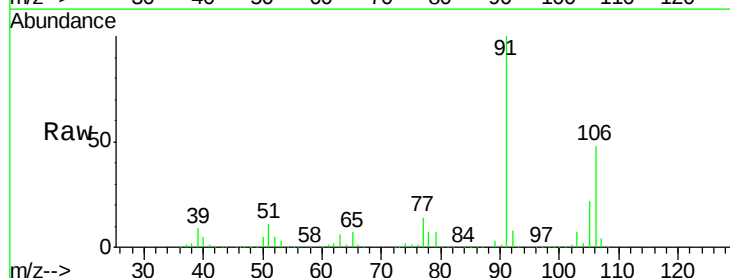
Acq: 25 Mar 2019 19:50

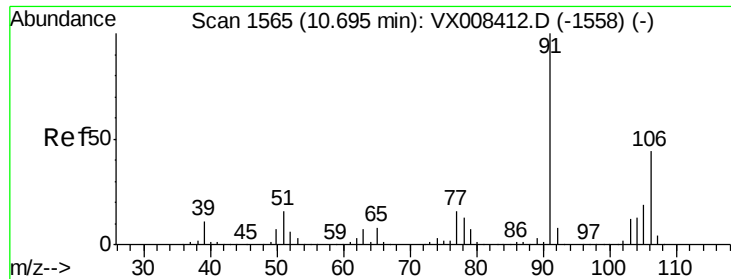
Tgt Ion: 106 Resp: 168855

Ion Ratio Lower Upper

106 100

91 210.7 168.6 253.0





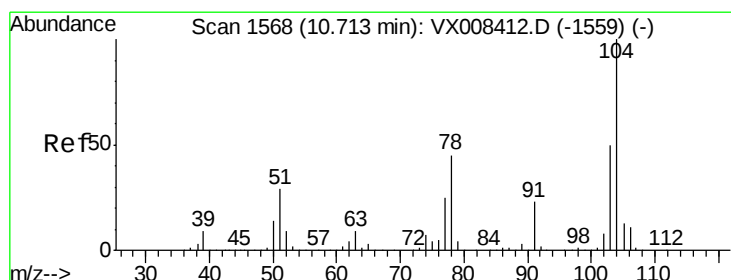
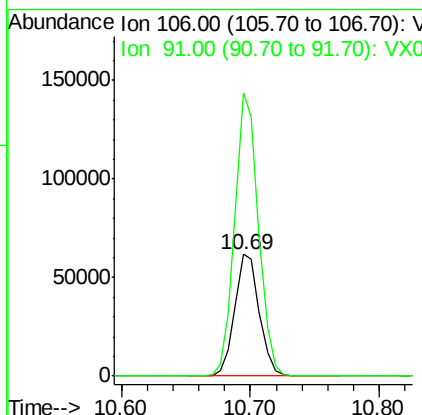
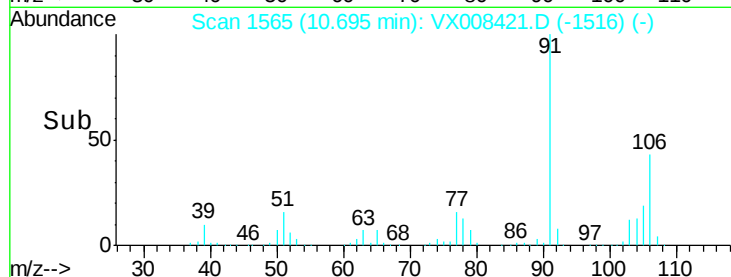
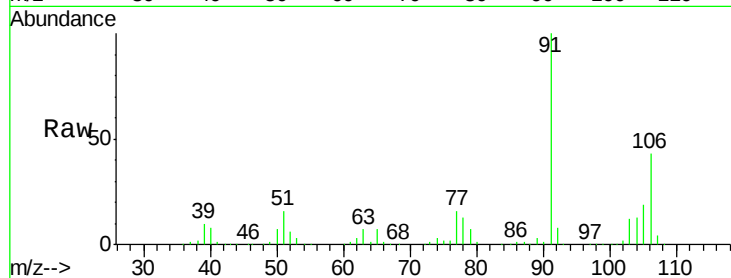
#69
o-Xylene
Concen: 18.803 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS01

Tot Ion:106 Resp: 81883
Ion Ratio Lower Upper
106 100
91 225.7 111.4 334.2

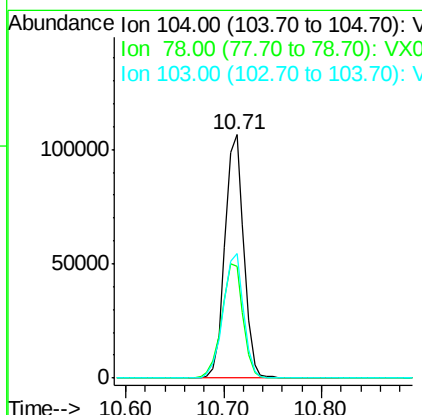
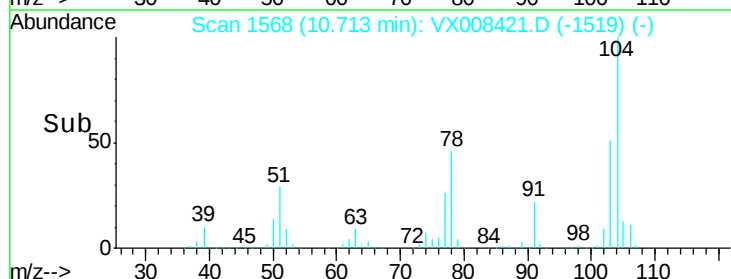
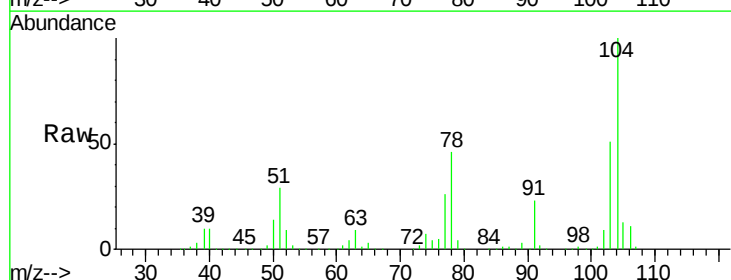
Manual Integrations
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#70
Styrene
Concen: 18.946 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Tgt Ion:104 Resp: 142517
Ion Ratio Lower Upper
104 100
78 53.2 42.5 63.7
103 55.8 44.2 66.4





#71

Bromoform

Concen: 18.208 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion:173 Resp: 32426

Ion Ratio Lower Upper

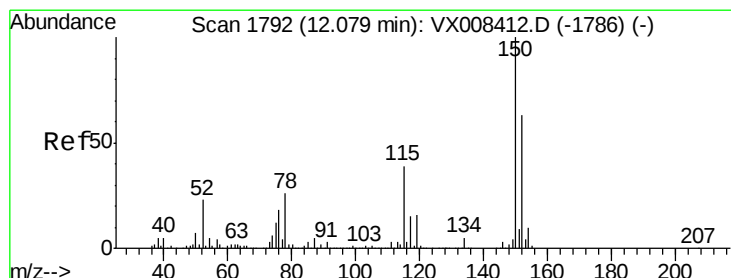
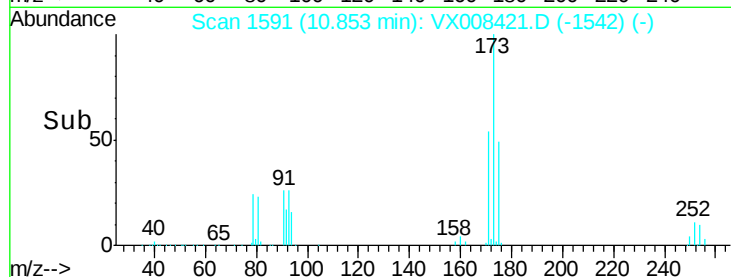
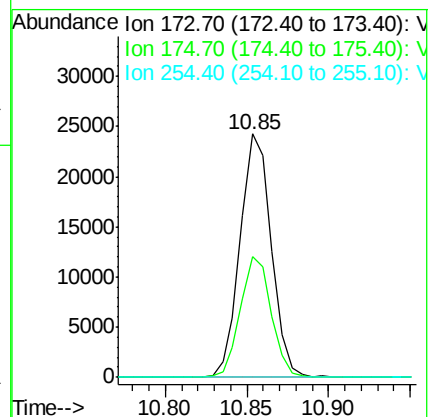
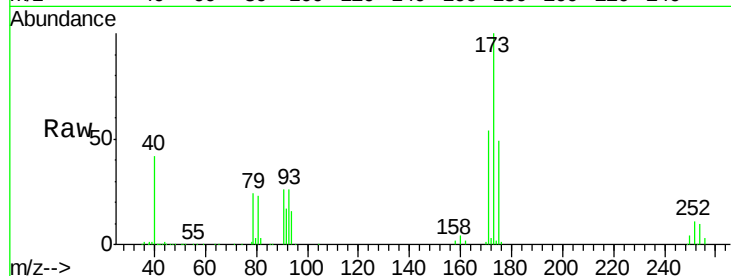
173 100

175 49.0 24.3 72.8

254 0.0 0.2 0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

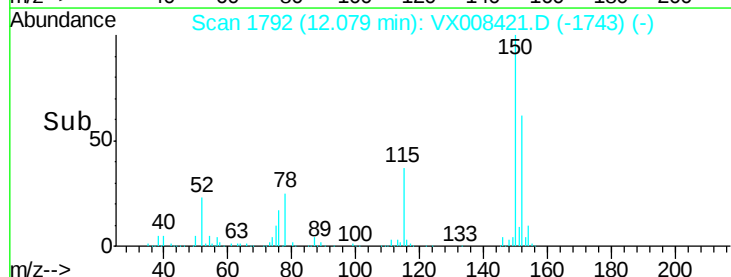
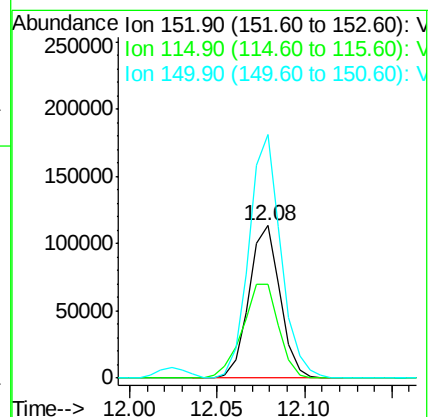
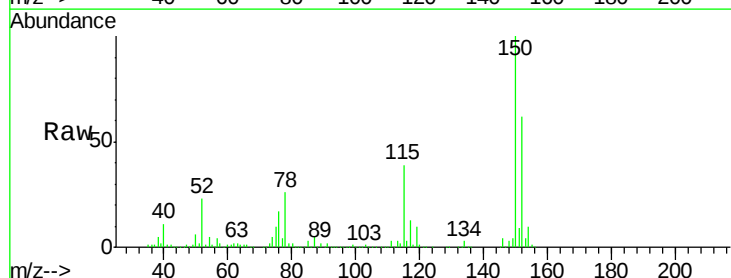
Tgt Ion:152 Resp: 139397

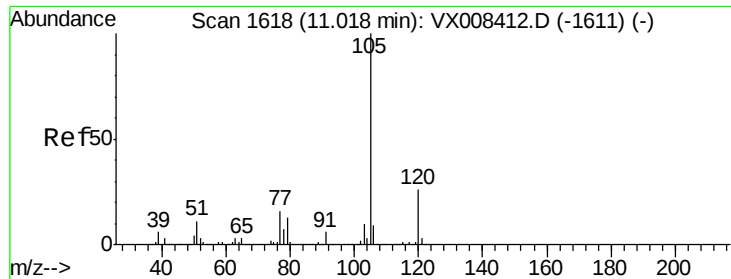
Ion Ratio Lower Upper

152 100

115 72.4 43.5 130.5

150 164.1 0.0 348.8





#73

Isopropylbenzene

Concen: 19.654 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion: 105 Resp: 222891

Ion Ratio Lower Upper

105 100

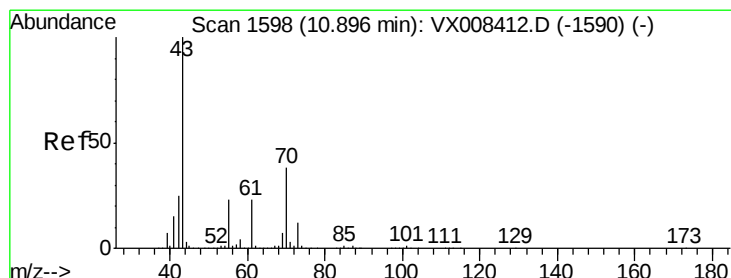
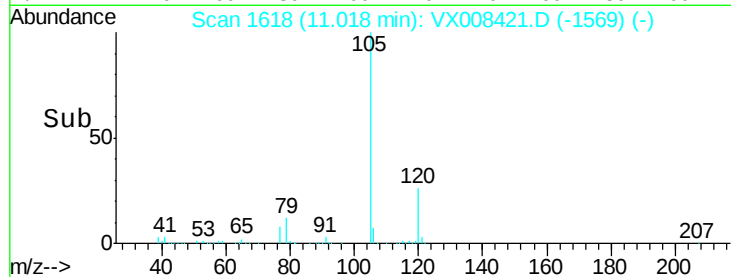
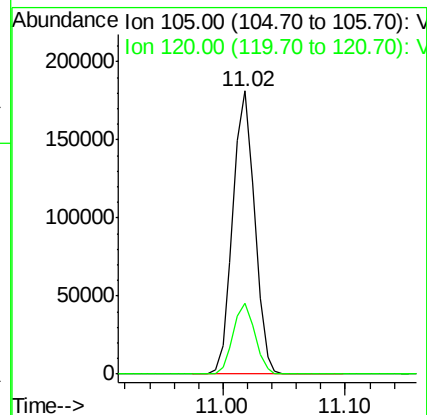
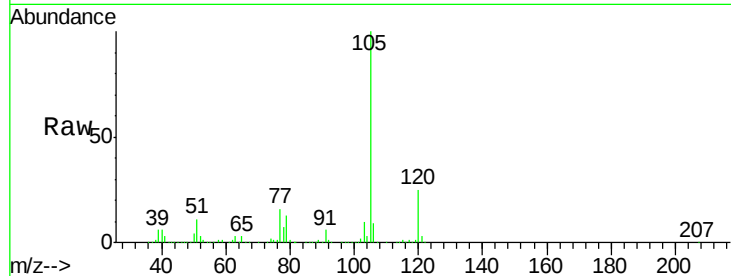
120 25.3 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.713 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Tgt Ion: 43 Resp: 129401

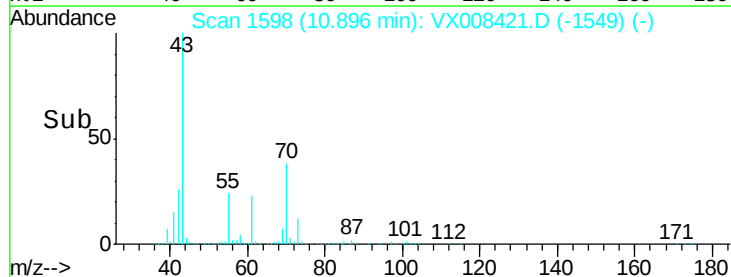
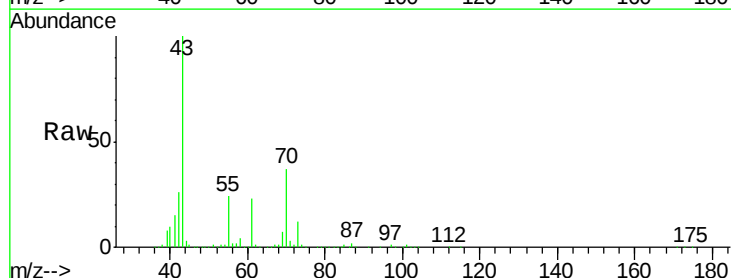
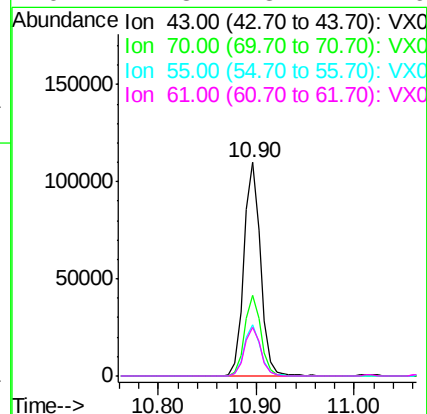
Ion Ratio Lower Upper

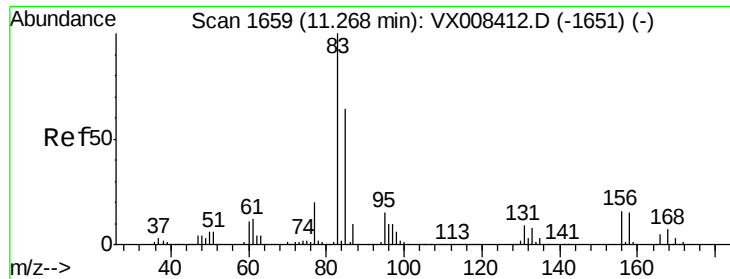
43 100

70 37.3 30.5 45.7

55 23.4 18.2 27.2

61 22.8 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.101 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

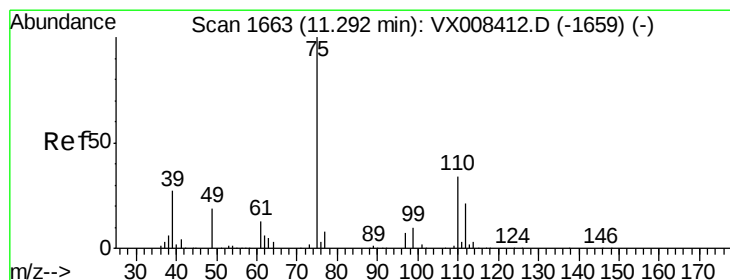
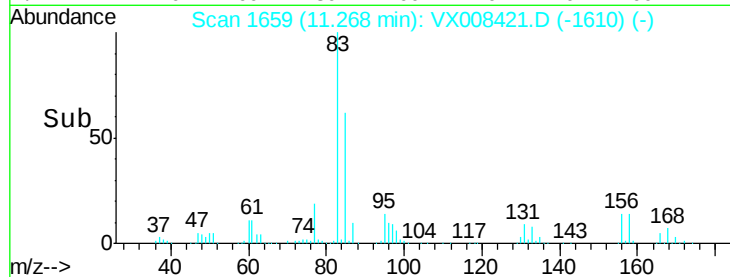
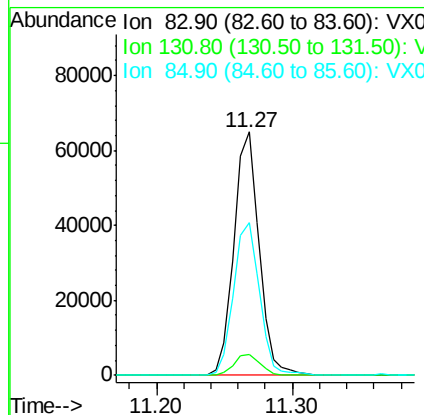
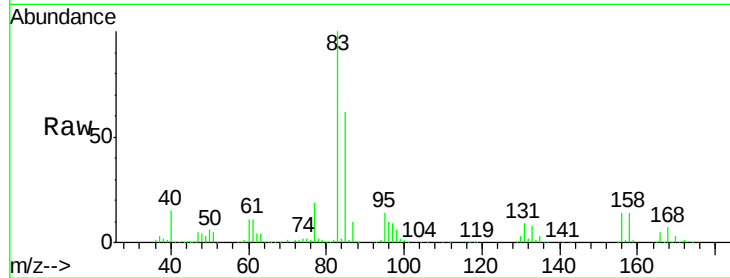
ClientSampleId :

VX0325WBS01

Tot Ion:	83	Resp:	84046
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.5	13.4
85	64.6	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.854 ug/l m

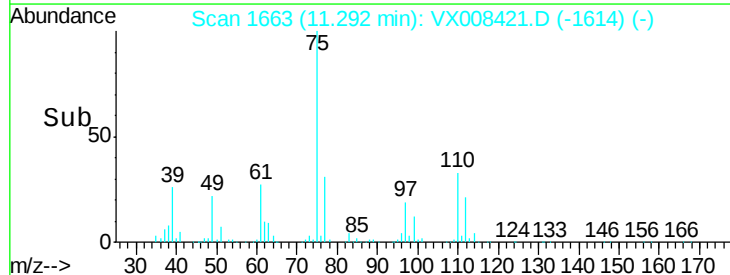
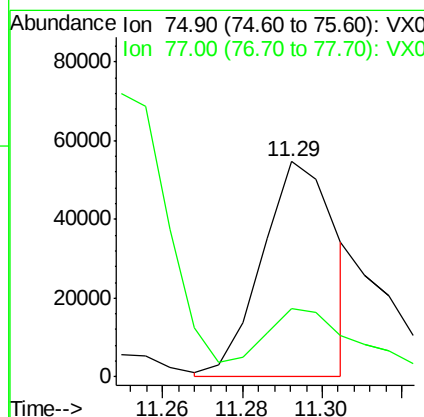
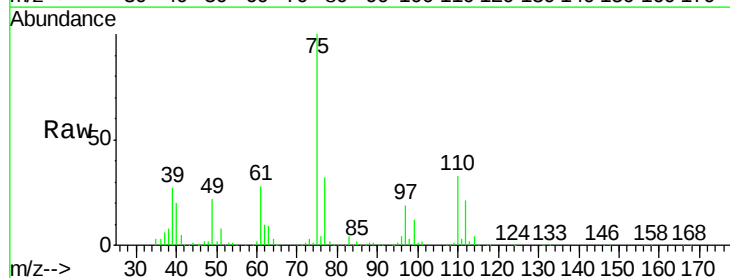
RT: 11.29 min Scan# 1663

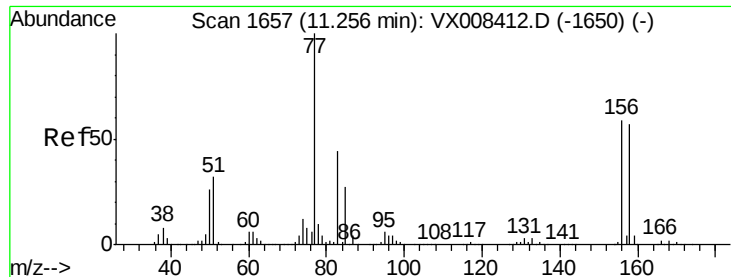
Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Tgt Ion:	75	Resp:	69844
Ion Ratio	Lower	Upper	
75	100		
77	41.8	21.9	65.7





#77

Bromobenzene

Concen: 18.724 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

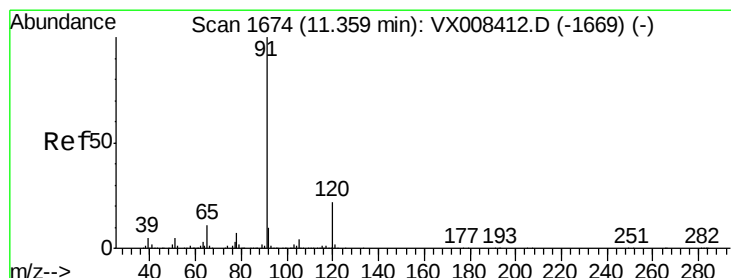
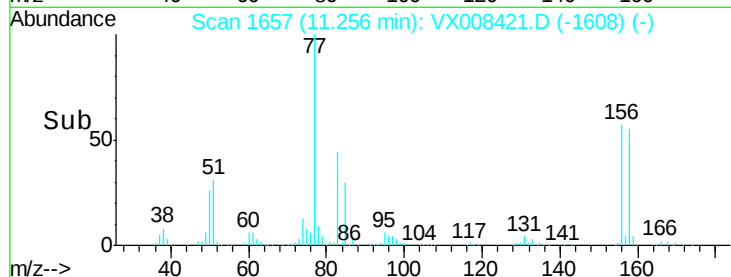
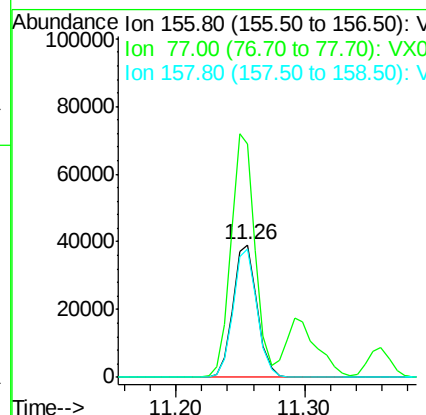
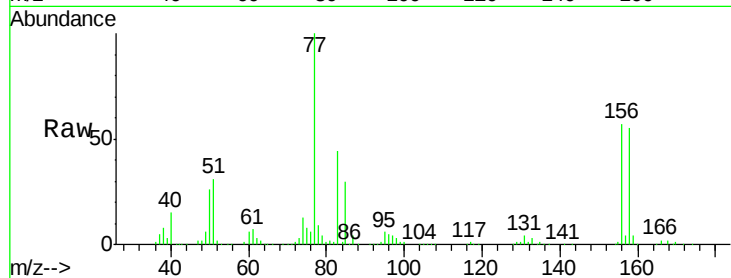
ClientSampleId :

VX0325WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.0	91.1	273.3
158	96.3	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.370 ug/l

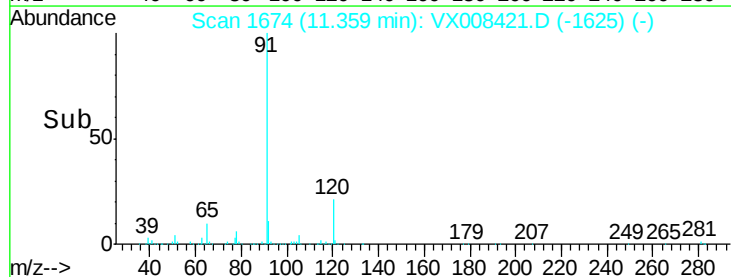
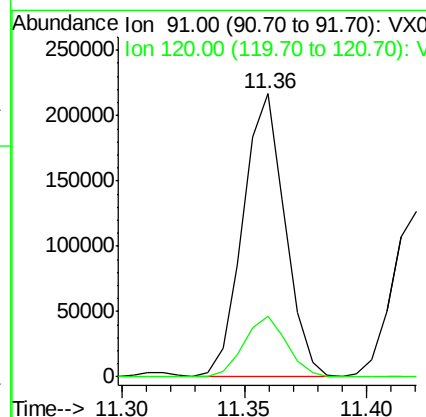
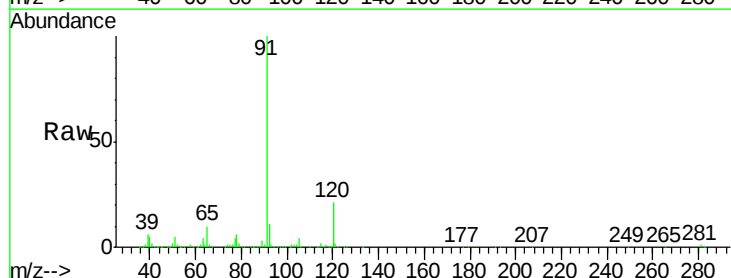
RT: 11.36 min Scan# 1674

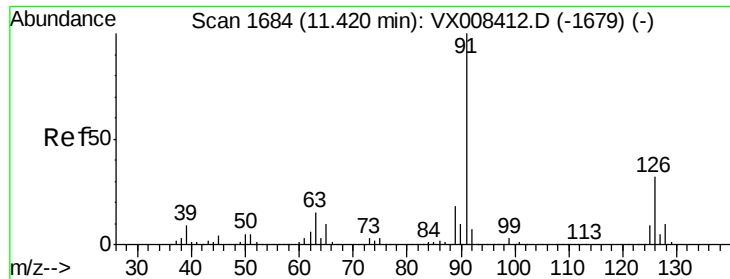
Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4





#79

2-Chlorotoluene

Concen: 19.146 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampled :

VX0325WBS01

Tot Ion: 91 Resp: 154702

Ion Ratio Lower Upper

91 100

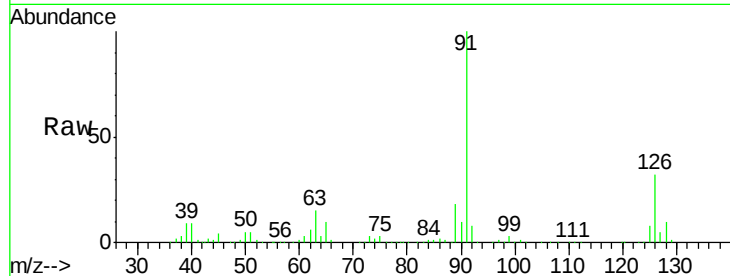
126 31.3 15.7 47.1

Manual Integrations

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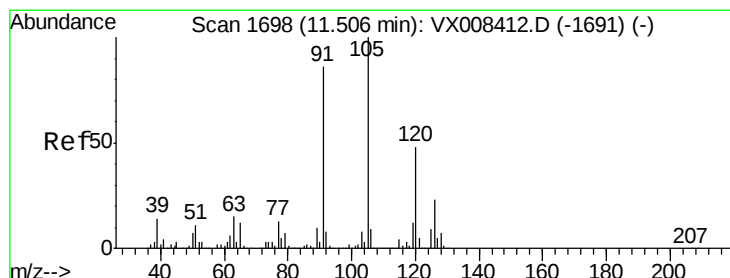
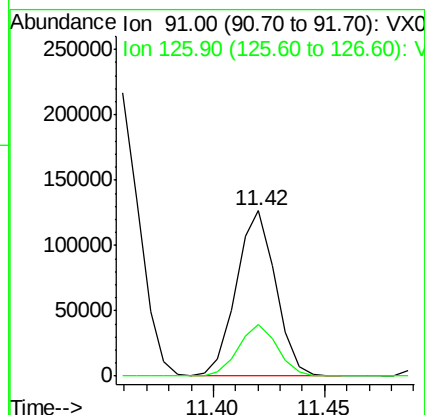
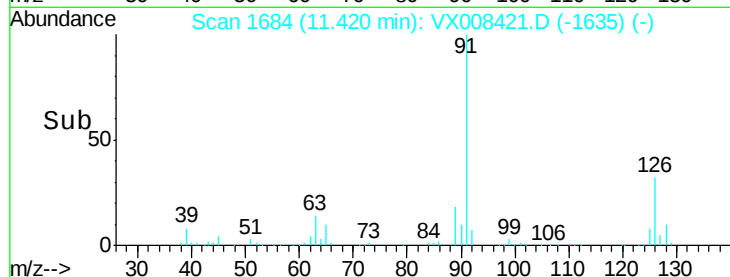
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.401 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008421.D

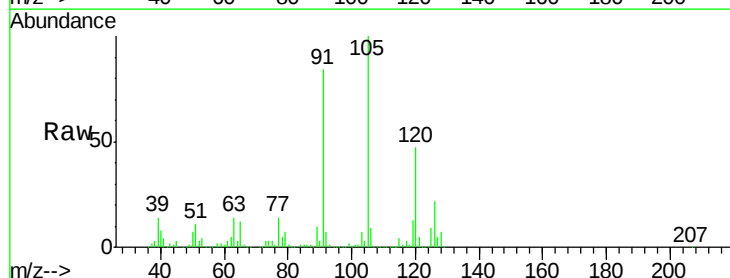
Acq: 25 Mar 2019 19:50

Tgt Ion:105 Resp: 186013

Ion Ratio Lower Upper

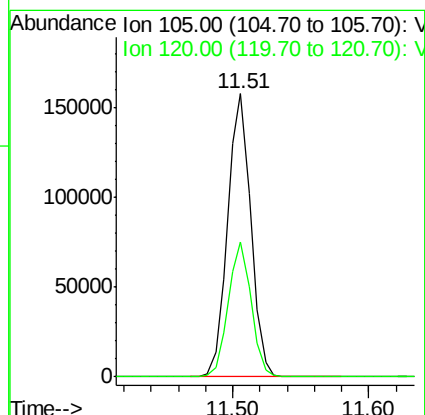
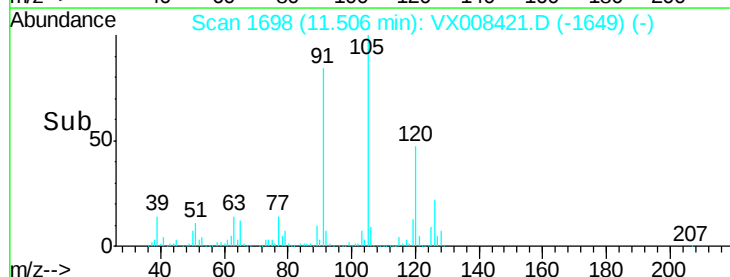
105 100

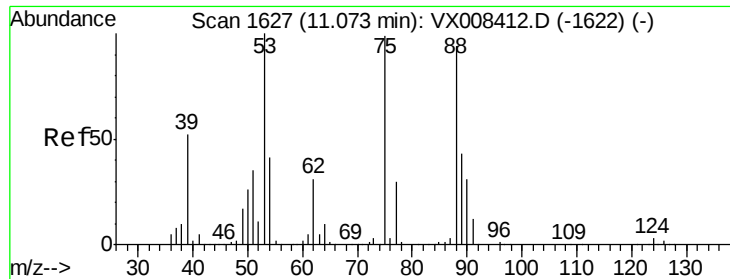
120 46.9 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.986 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion: 75 Resp: 23272

Ion Ratio Lower Upper

75 100

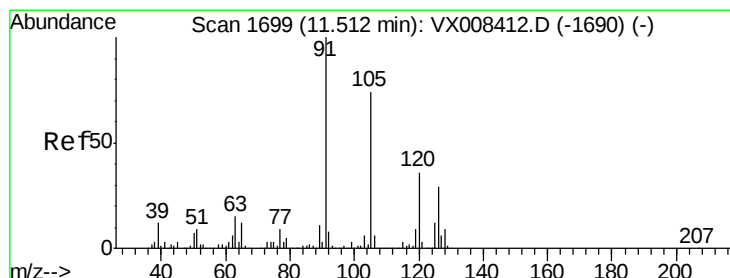
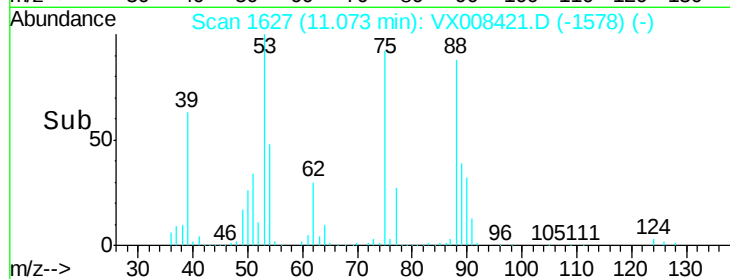
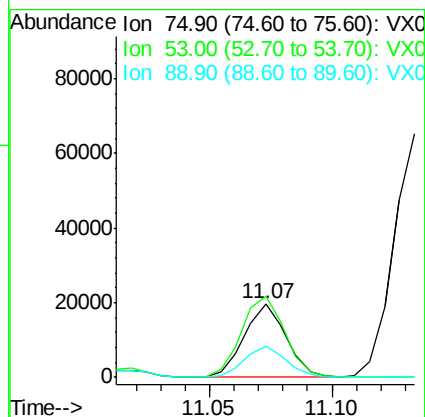
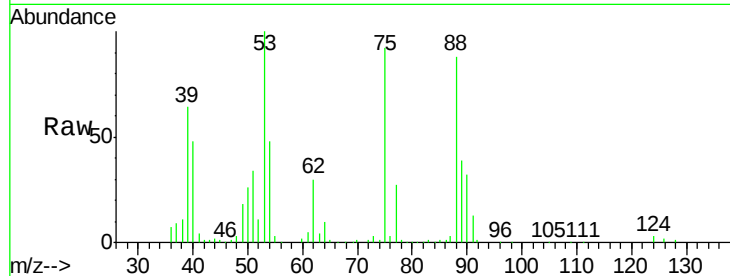
53 115.2 82.1 123.1

89 44.0 34.6 52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.919 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008421.D

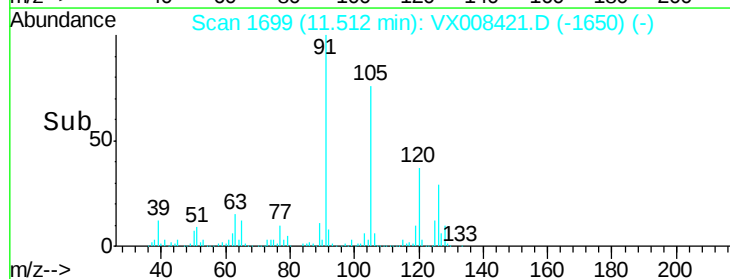
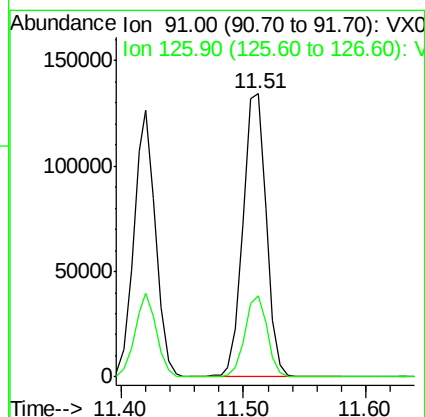
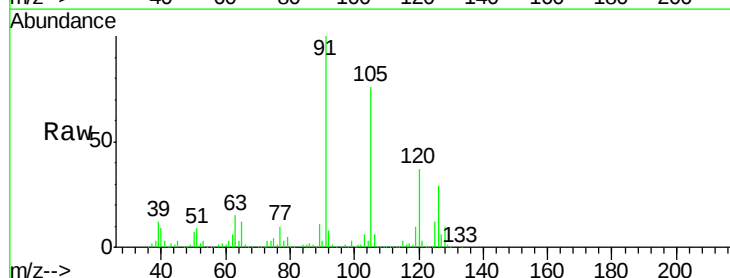
Acq: 25 Mar 2019 19:50

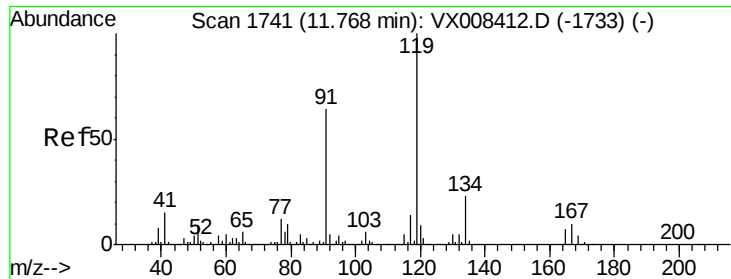
Tgt Ion: 91 Resp: 176339

Ion Ratio Lower Upper

91 100

126 27.6 13.9 41.7





#83

tert-Butylbenzene

Concen: 19.097 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

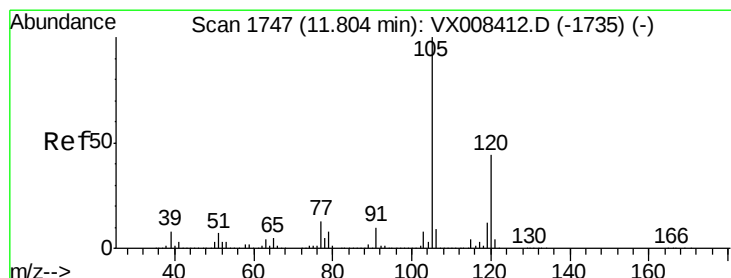
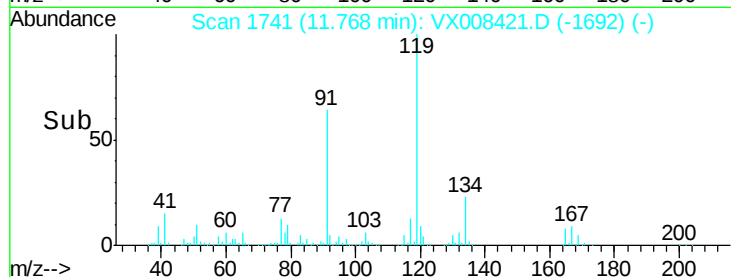
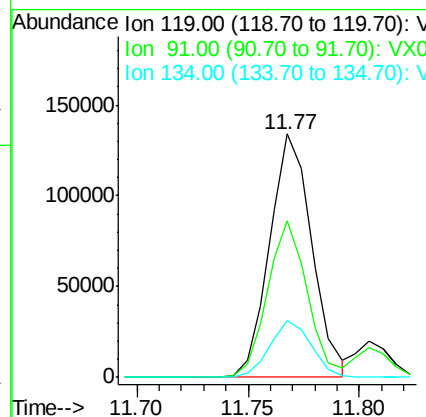
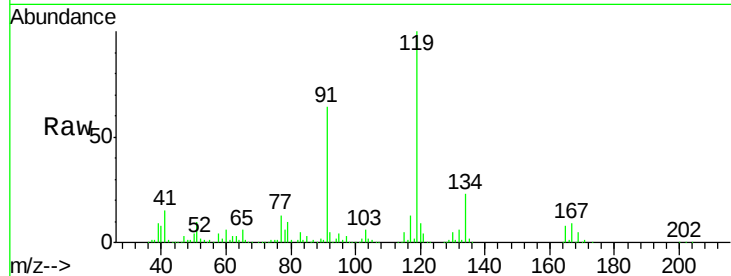
ClientSampleId :

VX0325WBS01

Tot Ion:	119	Resp:	176653
Ion Ratio	Lower	Upper	
119	100		
91	60.7	30.1	90.3
134	22.8	10.9	32.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.334 ug/l

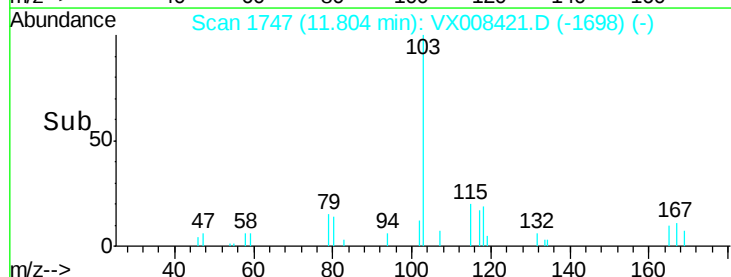
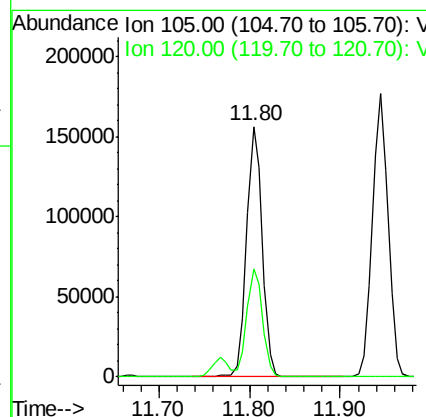
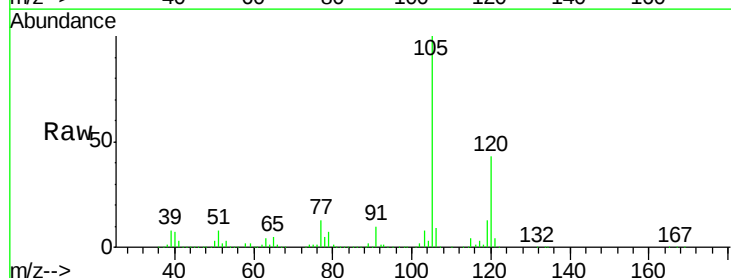
RT: 11.80 min Scan# 1747

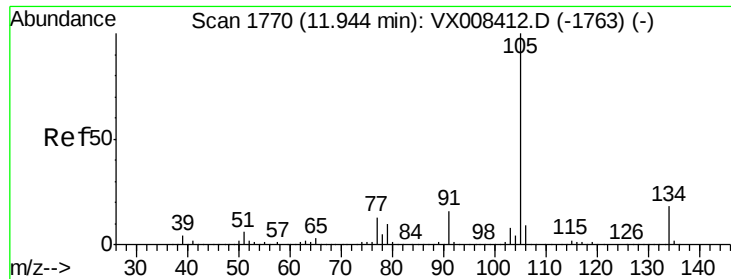
Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Tgt Ion:	105	Resp:	187486
Ion Ratio	Lower	Upper	
105	100		
120	42.8	21.6	65.0





#85

sec-Butylbenzene

Concen: 19.396 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBS01

Tot Ion:105 Resp: 213663

Ion Ratio Lower Upper

105 100

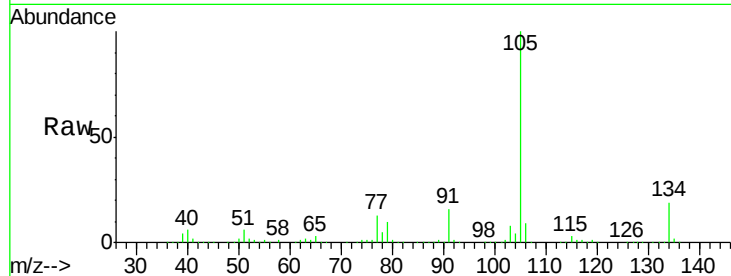
134 18.8 9.3 28.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

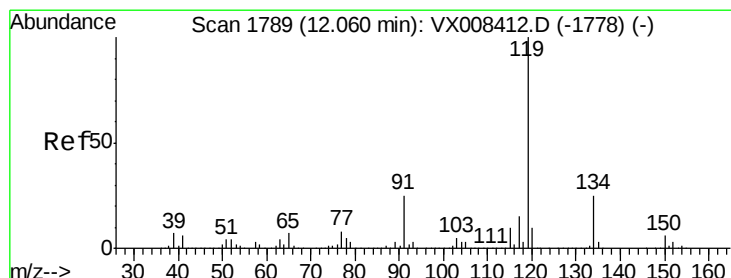
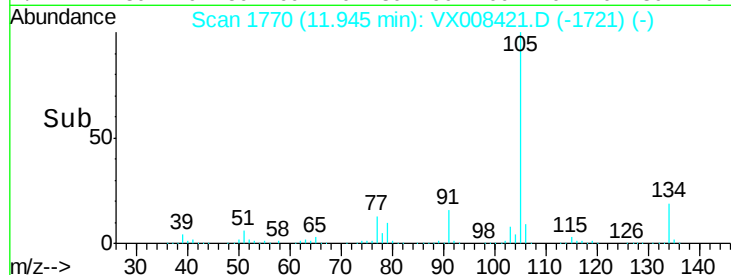
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.458 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008421.D

Acq: 25 Mar 2019 19:50

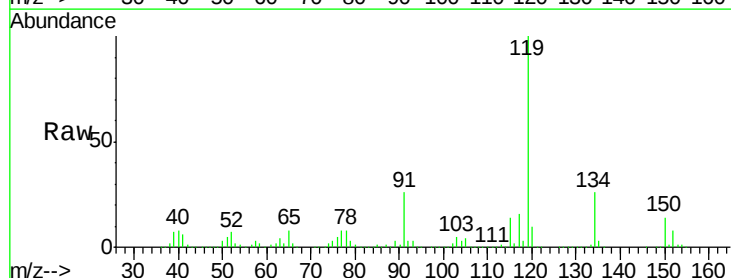
Tgt Ion:119 Resp: 189133

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 25.2 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

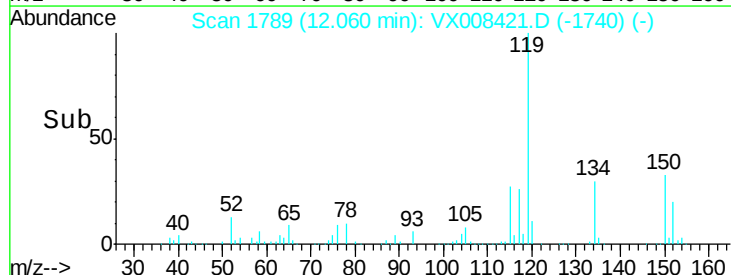
150000

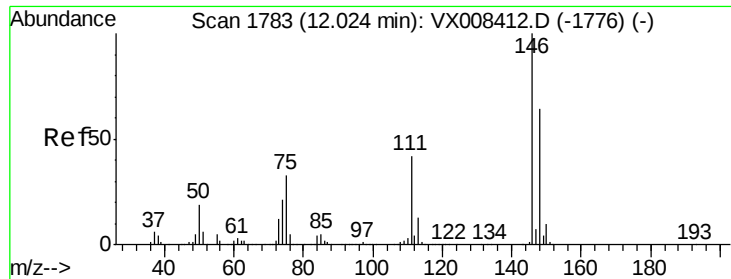
100000

50000

0

Time-->





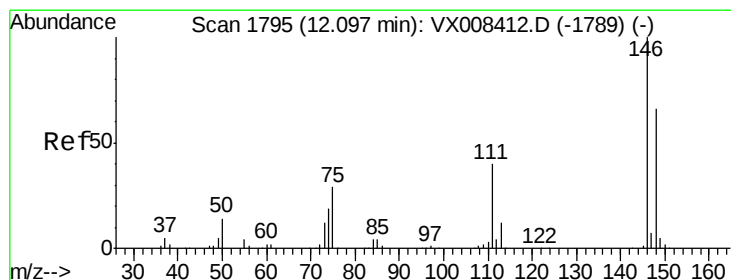
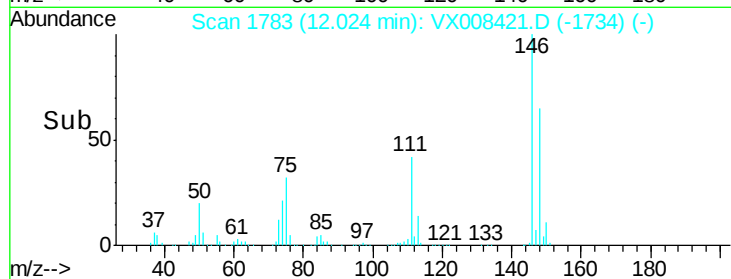
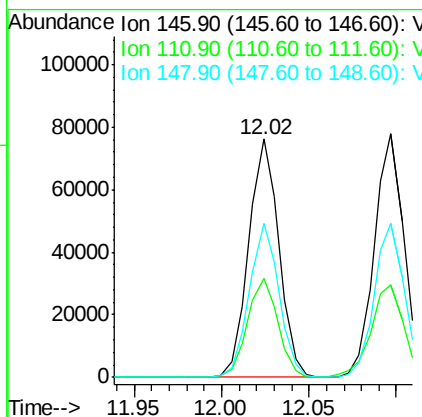
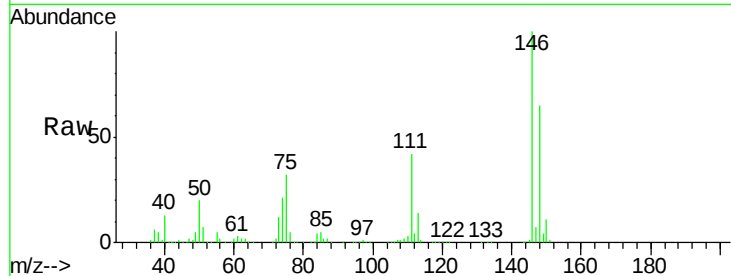
#87
 1,3-Dichlorobenzene
 Concen: 18.614 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008421.D
 Acq: 25 Mar 2019 19:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0325WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.5
148	63.5	32.0	96.0

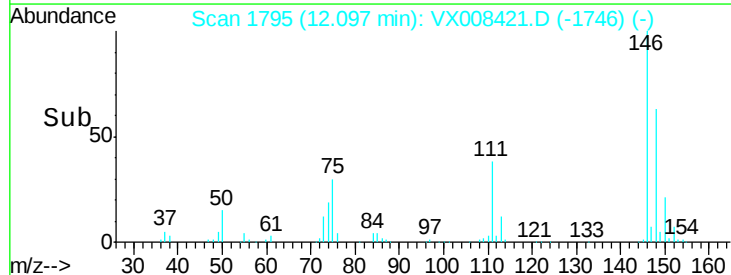
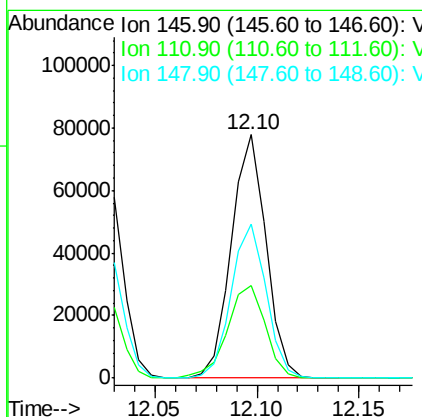
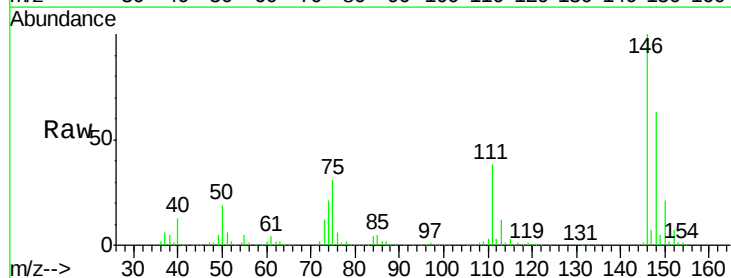
Manual Integrations
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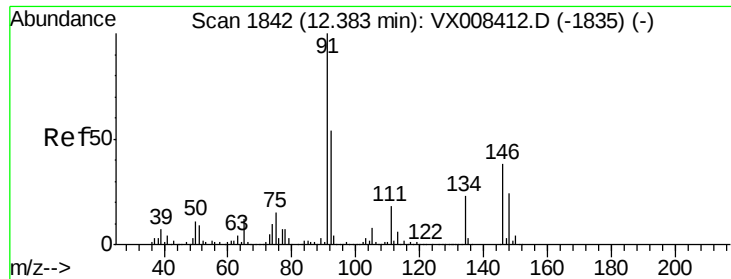
MMDadoda
 3/27/2019 8:56:07 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.395 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008421.D
 Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	61.0
148	64.7	32.1	96.5





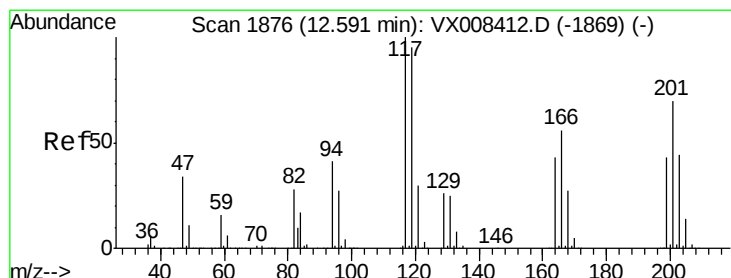
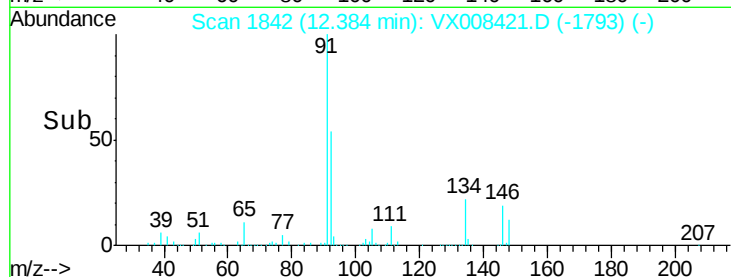
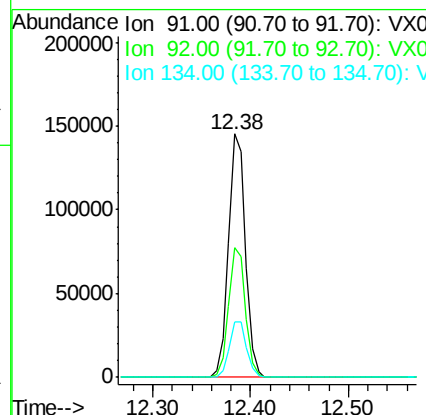
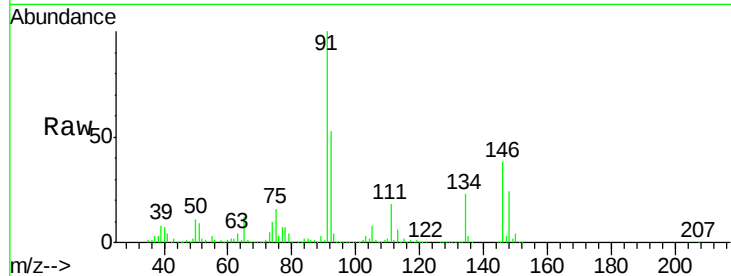
#89
n-Butylbenzene
Concen: 18.891 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.5	79.5
134	23.5	11.8	35.4

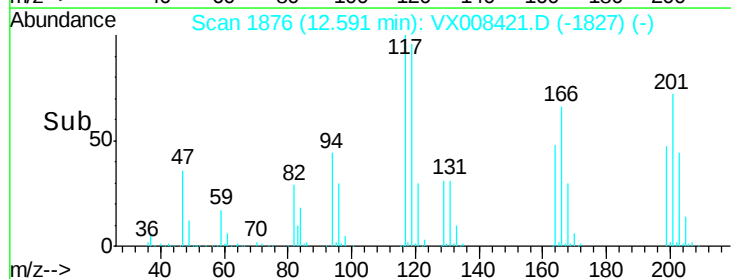
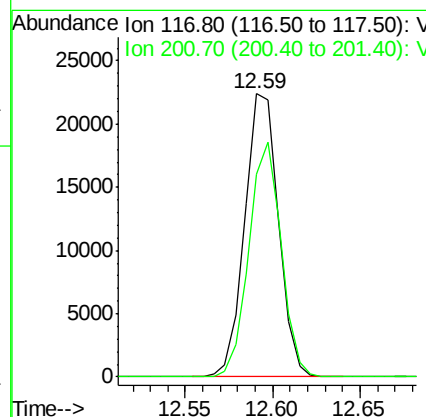
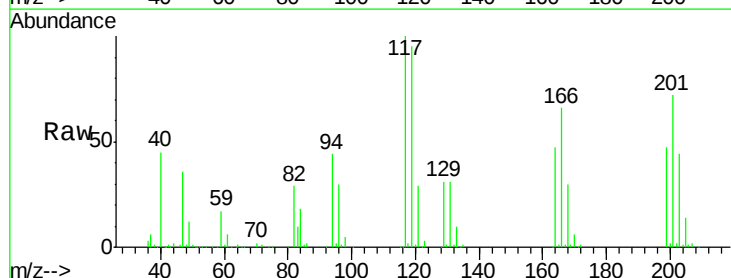
Manual Integrations
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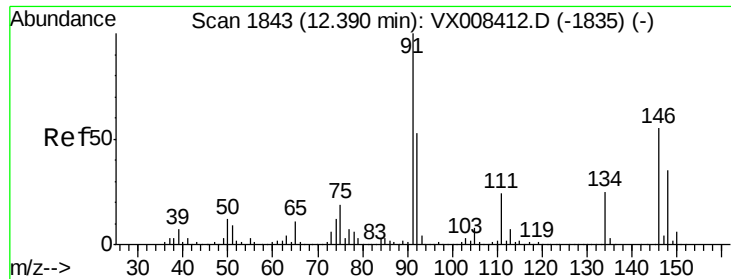
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#90
Hexachloroethane
Concen: 18.570 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	39.4	118.1





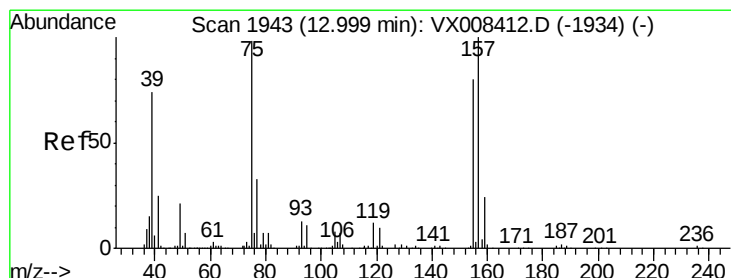
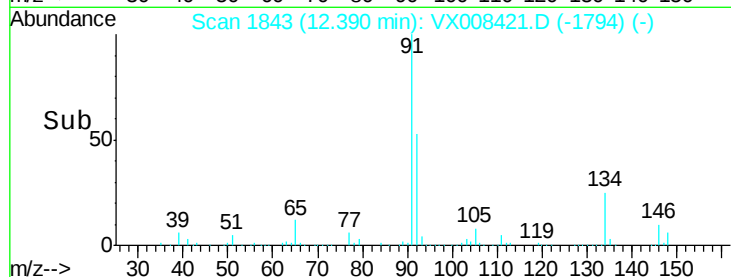
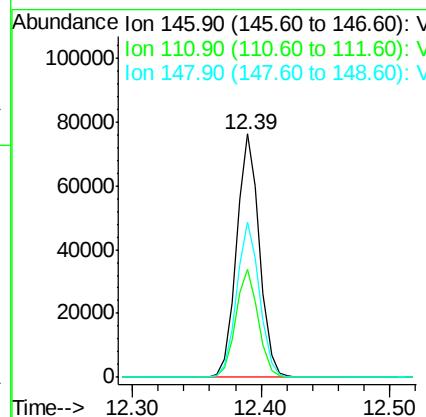
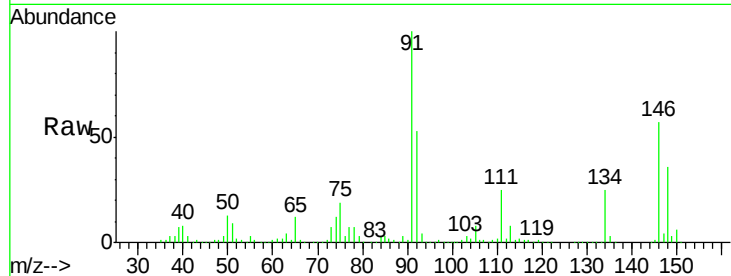
#91
 1,2-Dichlorobenzene
 Concen: 19.072 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008421.D
 Acq: 25 Mar 2019 19:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0325WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	64.6
148	63.9	31.9	95.7

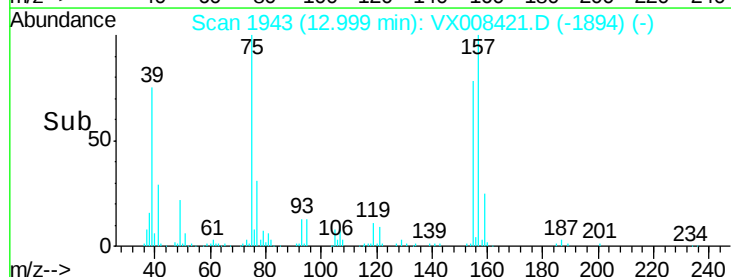
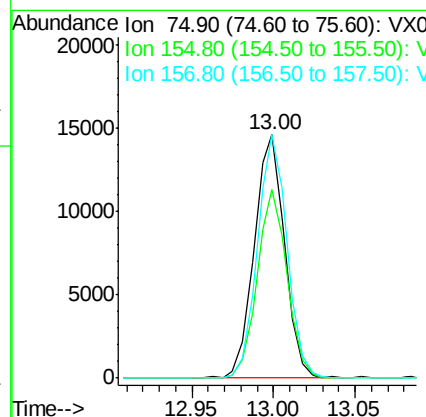
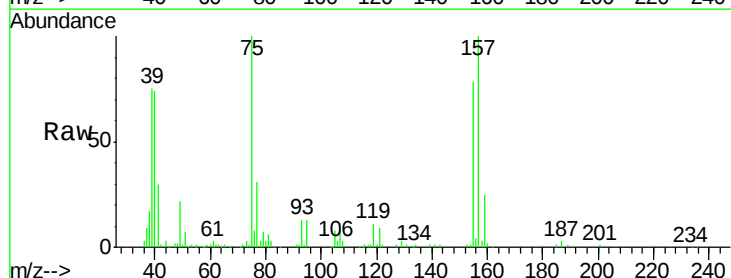
Manual Integrations
 APPROVED

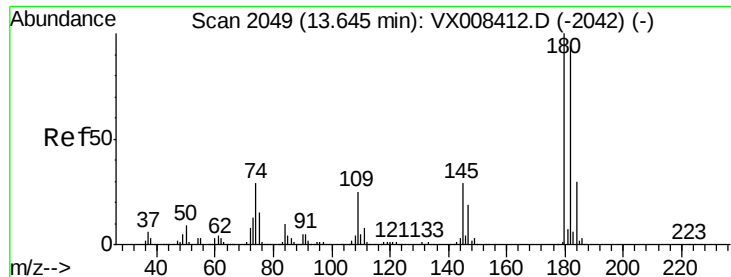
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.645 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008421.D
 Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.0	39.5	118.5
157	97.4	49.9	149.7





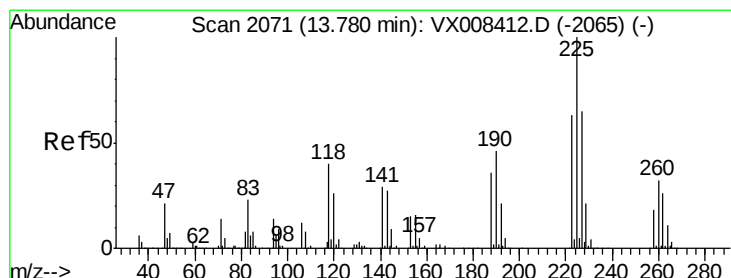
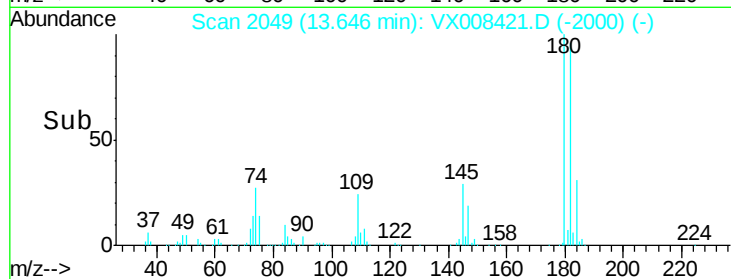
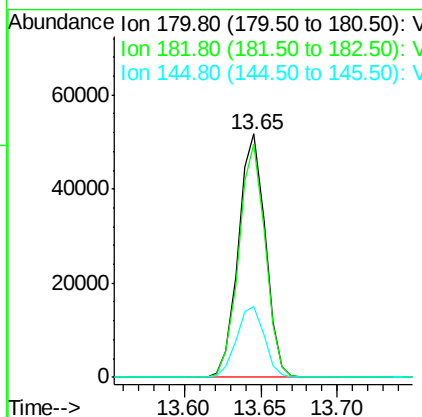
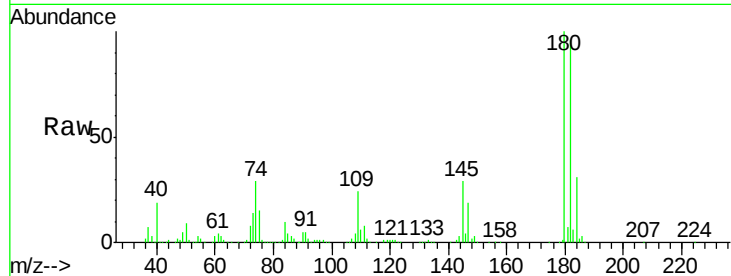
#93
 1,2,4-Trichlorobenzene
 Concen: 19.042 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008421.D
 Acq: 25 Mar 2019 19:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0325WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	142.0
145	30.1	15.3	45.8

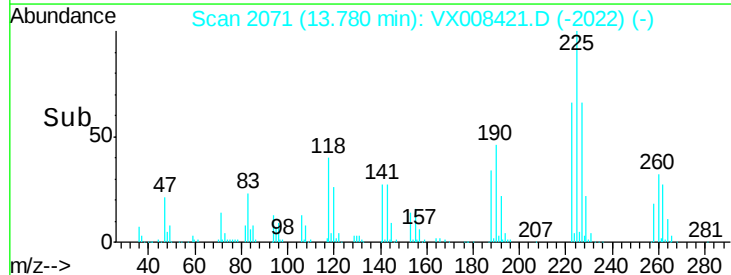
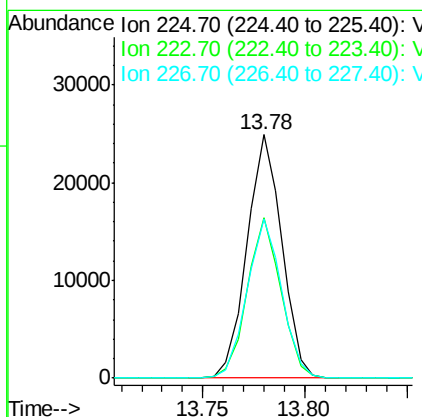
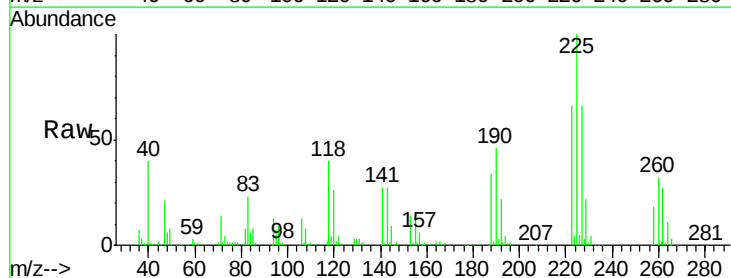
Manual Integrations
 APPROVED

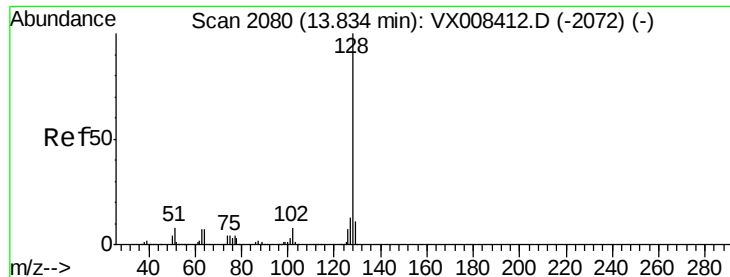
MMDadoda
 3/27/2019 8:56:07 AM



#94
 Hexachlorobutadiene
 Concen: 18.772 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008421.D
 Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.4	94.0
227	64.8	31.9	95.9





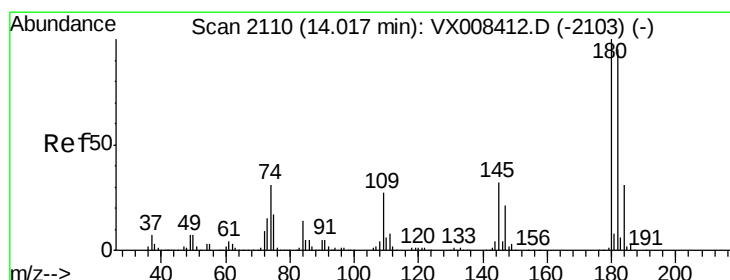
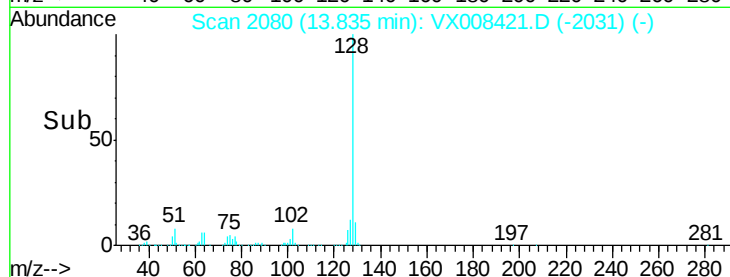
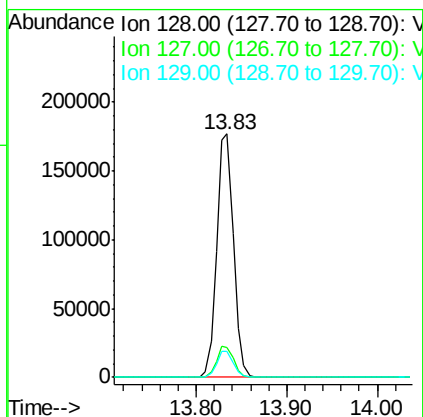
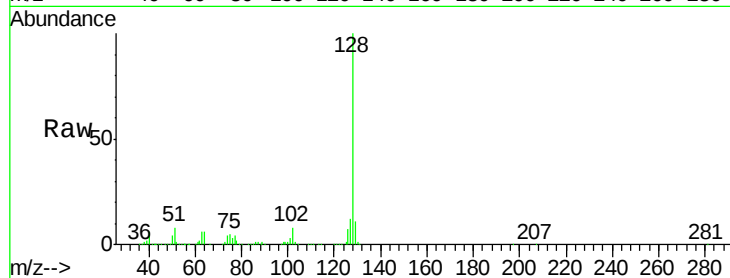
#95
Naphthalene
Concen: 20.094 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/27/2019 8:56:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.501 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008421.D
Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	142.0
145	32.7	16.2	48.5

