

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031619\
 Data File : VX008136.D
 Acq On : 16 Mar 2019 13:08
 Operator : JC/SP
 Sample : VX0316WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/18/2019 10:36:54 AM

Quant Time: Mar 18 01:30:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	273848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	370325	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	334780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	173755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	118279	42.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.64%	
35) Dibromofluoromethane	5.50	113	110787	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	
50) Toluene-d8	8.71	98	419305	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
62) 4-Bromofluorobenzene	11.13	95	150501	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	38496	17.561	ug/l	98
3) Chloromethane	1.33	50	34034	13.186	ug/l	98
4) Vinyl Chloride	1.41	62	35683	14.489	ug/l	98
5) Bromomethane	1.64	94	22826	18.082	ug/l	96
6) Chloroethane	1.73	64	22569	16.561	ug/l	98
7) Trichlorofluoromethane	1.93	101	50208	16.987	ug/l	98
8) Diethyl Ether	2.19	74	26501	18.037	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.39	101	42347	19.169	ug/l	97
10) Methyl Iodide	2.51	142	60812	19.705	ug/l	97
11) Tert butyl alcohol	3.06	59	48000	89.939	ug/l	99
12) 1,1-Dichloroethene	2.38	96	38529	18.453	ug/l	91
13) Acrolein	2.29	56	33608	68.364	ug/l	99
14) Allyl chloride	2.73	41	63662	16.740	ug/l	95
15) Acrylonitrile	3.15	53	113998	87.597	ug/l	99
16) Acetone	2.45	43	107509	82.436	ug/l	95
17) Carbon Disulfide	2.57	76	108475	18.094	ug/l	98
18) Methyl Acetate	2.78	43	52704	18.698	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	126717	17.950	ug/l	99
20) Methylene Chloride	2.86	84	41881	17.981	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	41240	18.332	ug/l	90
22) Diisopropyl ether	3.87	45	130121	17.217	ug/l	97
23) Vinyl Acetate	3.82	43	557092	86.671	ug/l	96
24) 1,1-Dichloroethane	3.70	63	75618	18.252	ug/l	98
25) 2-Butanone	4.69	43	167341	83.596	ug/l	94
26) 2,2-Dichloropropane	4.59	77	55003	17.378	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	47722	17.846	ug/l	93
28) Bromochloromethane	5.02	49	35142	17.960	ug/l	83
29) Tetrahydrofuran	5.15	42	104274	83.444	ug/l	93
30) Chloroform	5.21	83	74242	17.691	ug/l	99
31) Cyclohexane	5.57	56	67829	17.173	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	63974	18.098	ug/l	98
36) 1,1-Dichloropropene	5.79	75	55954	18.366	ug/l	97
37) Ethyl Acetate	4.85	43	58339	17.817	ug/l	97
38) Carbon Tetrachloride	5.78	117	56994	19.436	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	73551	18.887	ug/l	98
40) Benzene	6.14	78	173152	18.552	ug/l	98
41) Methacrylonitrile	5.05	41	33339	17.488	ug/l	95
42) 1,2-Dichloroethane	6.20	62	55183	18.483	ug/l	98
43) Isopropyl Acetate	6.45	43	91468	17.346	ug/l	96
44) Trichloroethene	7.21	130	50725	18.832	ug/l	96
45) 1,2-Dichloropropane	7.51	63	43549	17.687	ug/l	100
46) Dibromomethane	7.66	93	29606	19.184	ug/l	95
47) Bromodichloromethane	7.90	83	53986	18.394	ug/l	98
48) Methyl methacrylate	7.77	41	47361	17.197	ug/l	92
49) 1,4-Dioxane	7.74	88	22150	372.902	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	304334	87.569	ug/l	96
52) Toluene	8.78	92	111338	18.767	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	57957	18.013	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	65464	18.308	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	45616	18.884	ug/l	98
56) Ethyl methacrylate	9.18	69	64882	18.183	ug/l	94
57) 1,3-Dichloropropane	9.37	76	72645	18.172	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	189231	90.144	ug/l	95
59) 2-Hexanone	9.49	43	234556	86.298	ug/l	97
60) Dibromochloromethane	9.58	129	46438	18.652	ug/l	99
61) 1,2-Dibromoethane	9.67	107	47775	18.875	ug/l	99
64) Tetrachloroethene	9.34	164	52446	19.335	ug/l	98
65) Chlorobenzene	10.13	112	126386	19.024	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	45715	19.389	ug/l	99
67) Ethyl Benzene	10.25	91	203322	18.490	ug/l	99
68) m/p-Xylenes	10.36	106	160244	38.083	ug/l	100
69) o-Xylene	10.69	106	77868	18.983	ug/l	97
70) Styrene	10.71	104	128669	19.148	ug/l	99
71) Bromoform	10.85	173	37601	19.271	ug/l #	100
73) Isopropylbenzene	11.02	105	210981	18.958	ug/l	100
74) N-amyl acetate	10.90	43	75985	16.186	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	66038	18.110	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	64403m	21.342	ug/l	
77) Bromobenzene	11.26	156	58462	19.246	ug/l	94
78) n-propylbenzene	11.36	91	230863	18.908	ug/l	99
79) 2-Chlorotoluene	11.42	91	140379	18.826	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	177610	19.368	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	18086	17.055	ug/l	98
82) 4-Chlorotoluene	11.51	91	160713	18.819	ug/l	99
83) tert-Butylbenzene	11.77	119	173178	18.845	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	181749	19.214	ug/l	100
85) sec-Butylbenzene	11.94	105	210898	19.262	ug/l	100
86) p-Isopropyltoluene	12.06	119	192219	19.412	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	103541	19.152	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	103587	18.870	ug/l	99
89) n-Butylbenzene	12.38	91	154043	18.591	ug/l	98
90) Hexachloroethane	12.60	117	29989	18.923	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	102761	19.159	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13156	17.845	ug/l	91

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Instrument :
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ClientSampleId :
VX0316WBS01

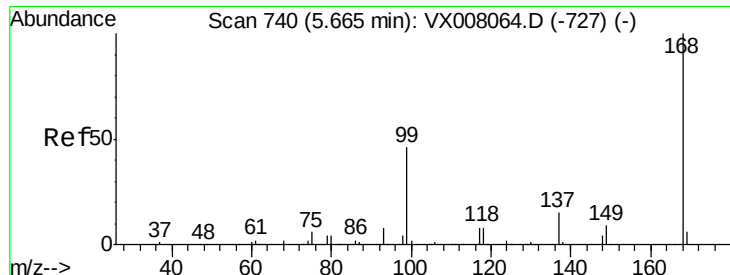
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QLast Update : Fri Mar 15 03:56:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	72704	19.136	ug/l	99
94) Hexachlorobutadiene	13.78	225	41894	20.295	ug/l	100
95) Naphthalene	13.83	128	201409	18.853	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	72541	19.394	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. -0.01 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampled :

VX0316WBS01

Tot Ion:168 Resp: 273848

Ion Ratio Lower Upper

168 100

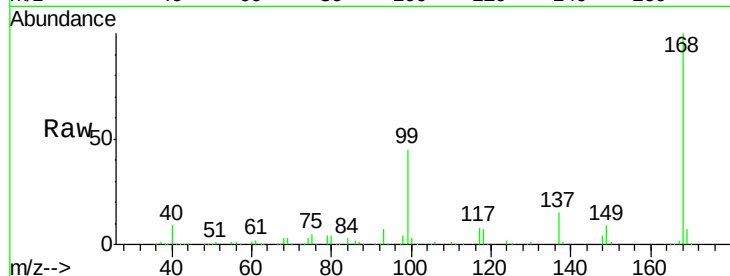
99 45.3 37.6 56.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

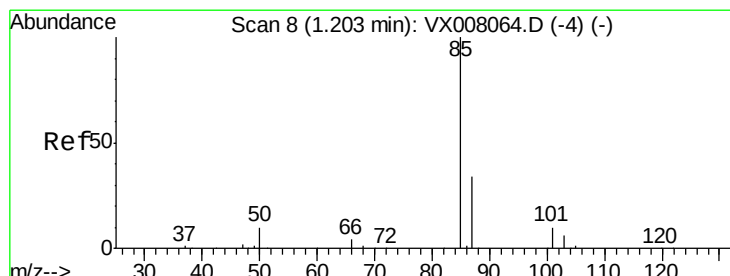
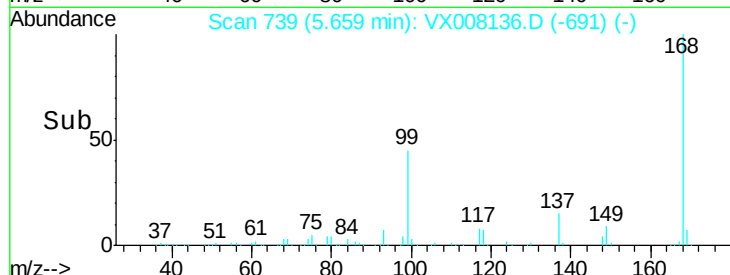
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.561 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX008136.D

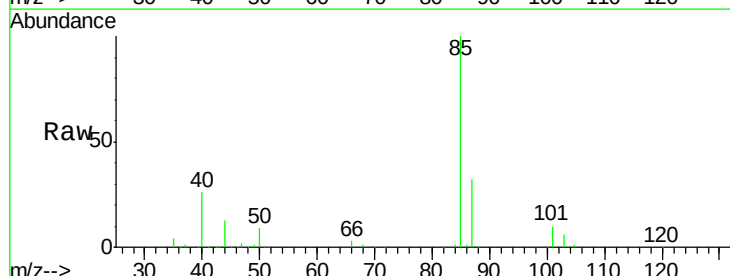
Acq: 16 Mar 2019 13:08

Tgt Ion: 85 Resp: 38496

Ion Ratio Lower Upper

85 100

87 31.6 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

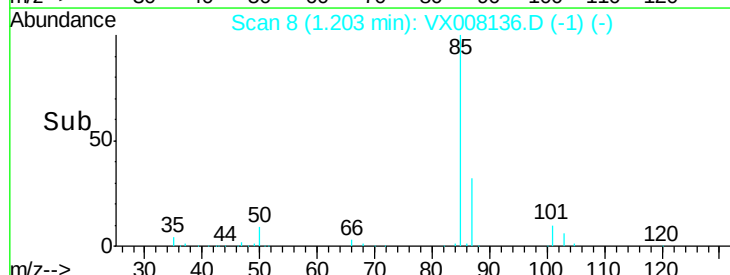
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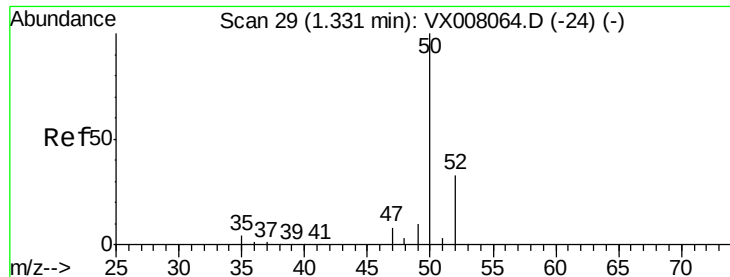
20000

10000

0

Time-->





#3

Chloromethane

Concen: 13.186 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBS01

Tot Ion: 50 Resp: 34034

Ion Ratio Lower Upper

50 100

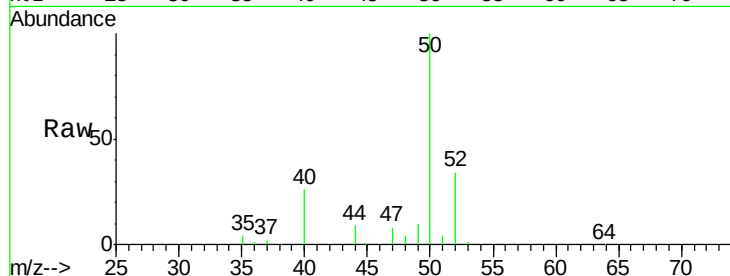
52 34.1 26.5 39.7

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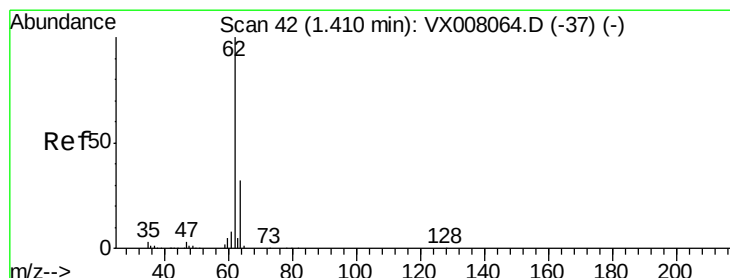
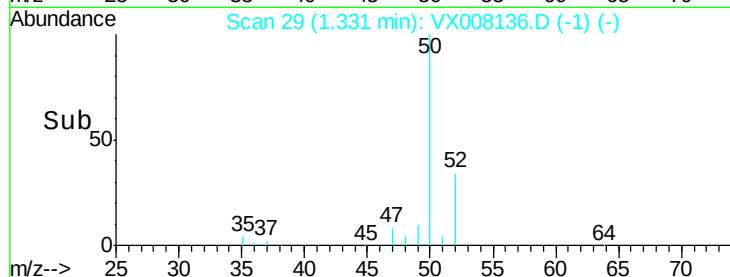
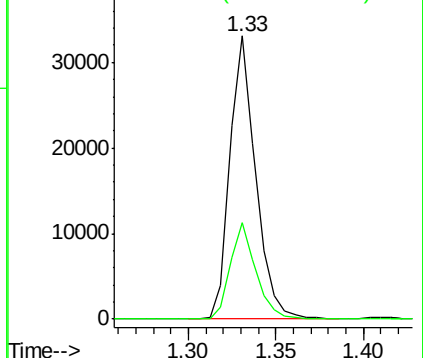
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 14.489 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008136.D

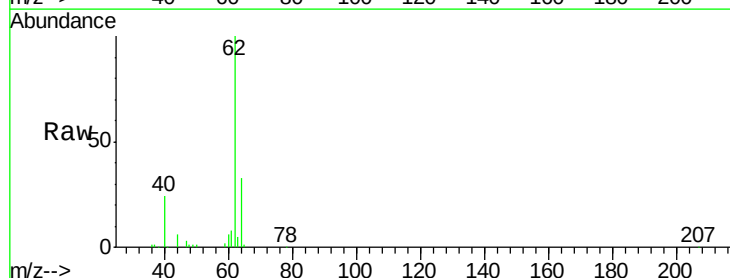
Acq: 16 Mar 2019 13:08

Tgt Ion: 62 Resp: 35683

Ion Ratio Lower Upper

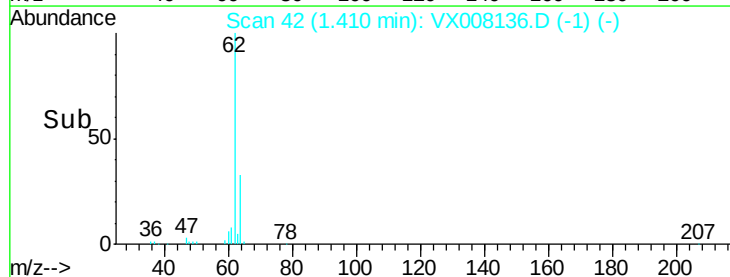
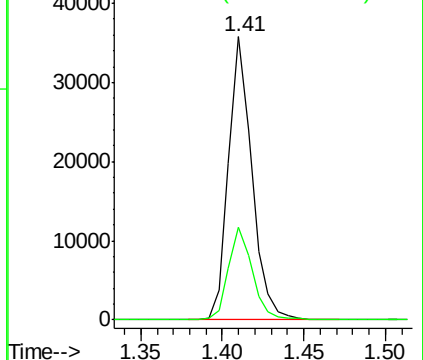
62 100

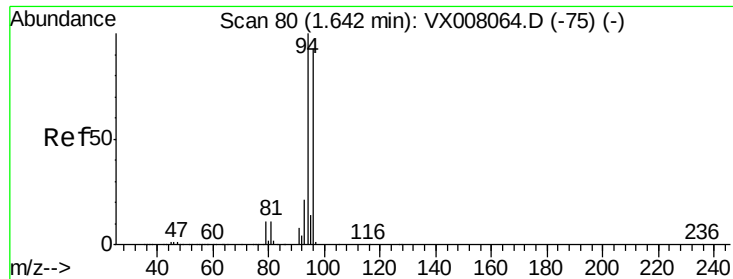
64 32.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.082 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBS01

Tot Ion: 94 Resp: 22826

Ion Ratio Lower Upper

94 100

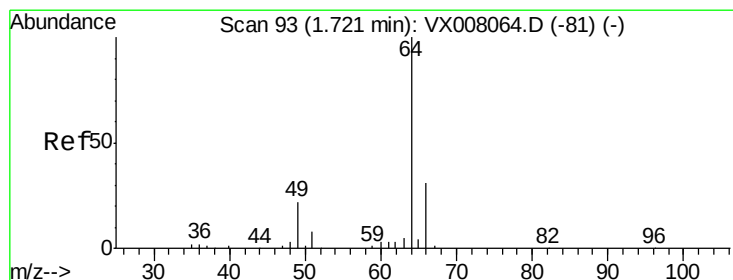
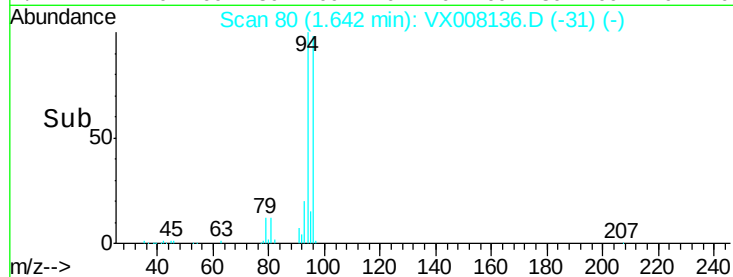
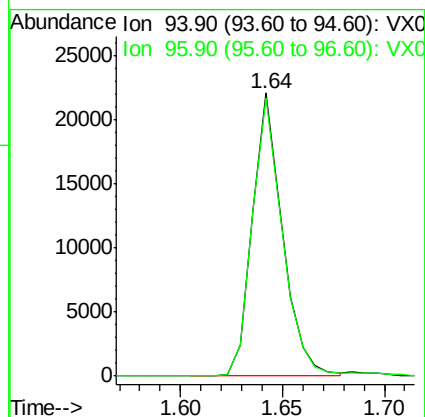
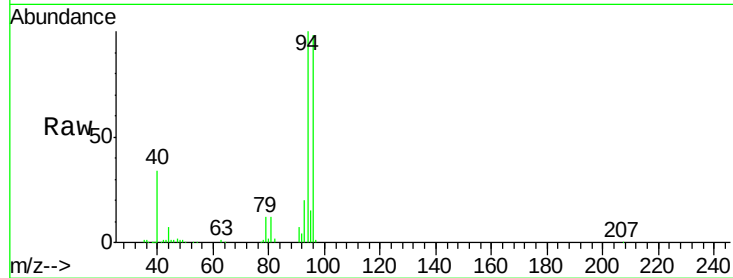
96 98.3 75.5 113.3

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#6

Chloroethane

Concen: 16.561 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008136.D

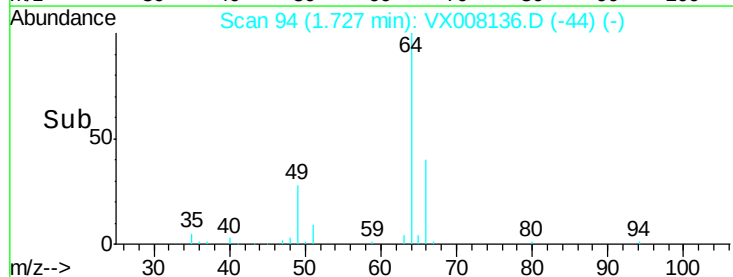
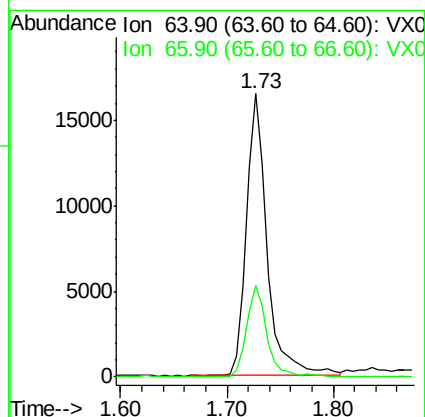
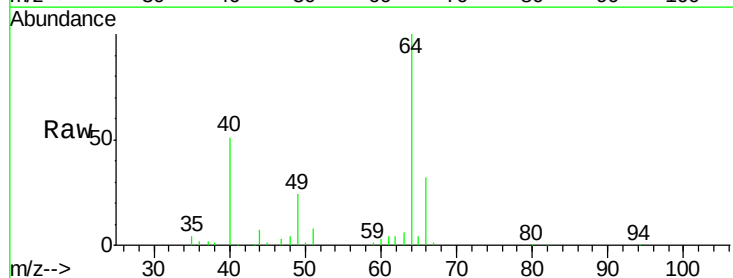
Acq: 16 Mar 2019 13:08

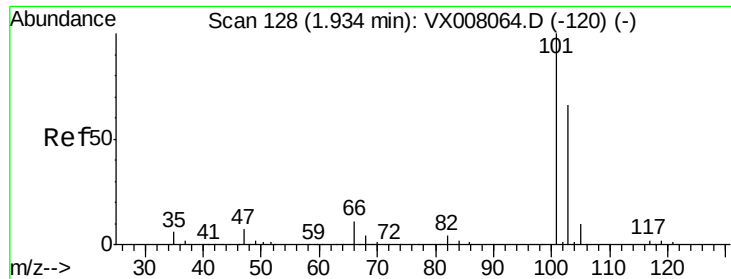
Tgt Ion: 64 Resp: 22569

Ion Ratio Lower Upper

64 100

66 32.6 25.2 37.8





#7

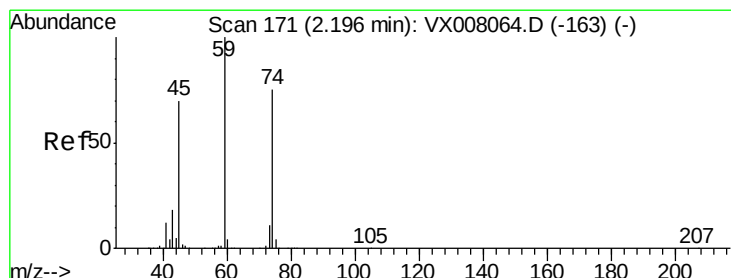
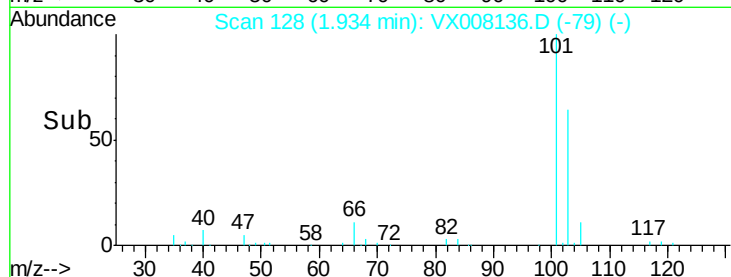
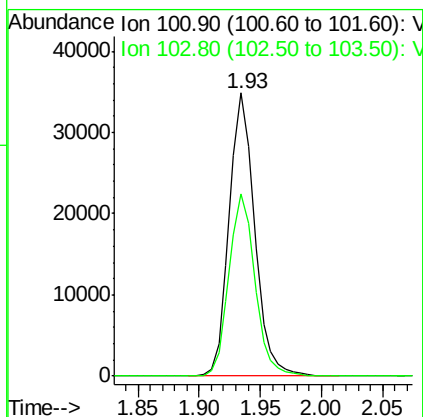
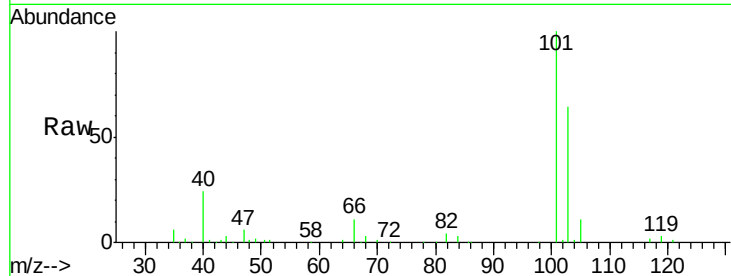
Trichlorofluoromethane
Concen: 16.987 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.00 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

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ClientSampleId :
VX0316WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.4	75.6

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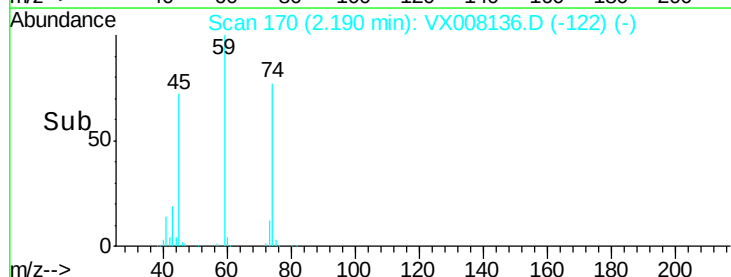
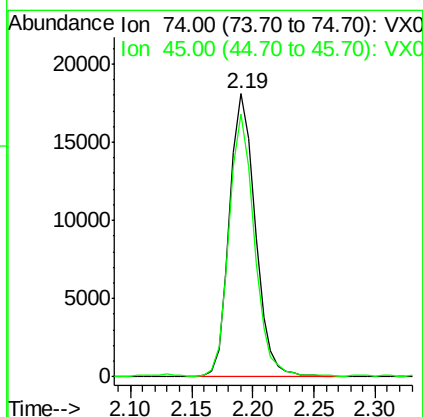
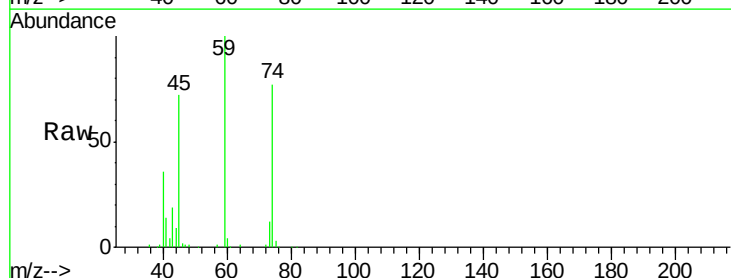
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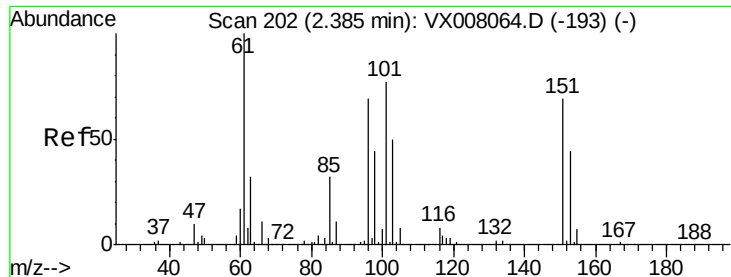


#8

Diethyl Ether
Concen: 18.037 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.01 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.6	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.169 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

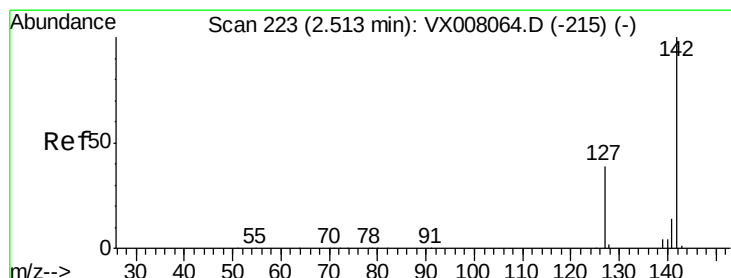
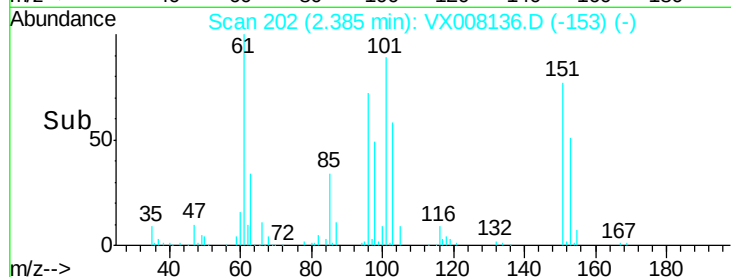
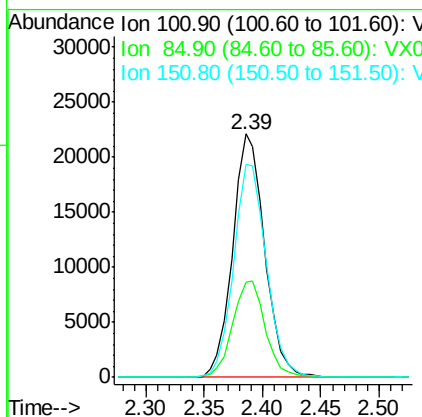
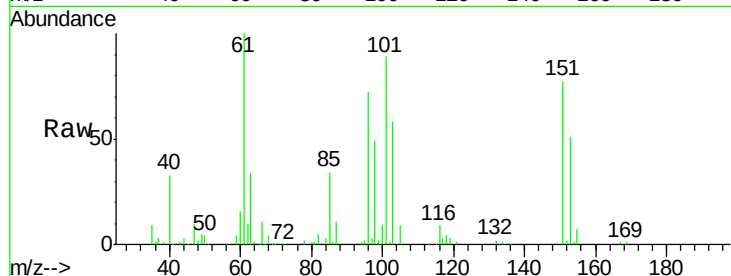
ClientSampleId :

VX0316WBS01

Tot Ion:	101	Resp:	42347
Ion Ratio	Lower	Upper	
101	100		
85	40.3	33.8	50.6
151	89.6	69.1	103.7

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#10

Methyl Iodide

Concen: 19.705 ug/l

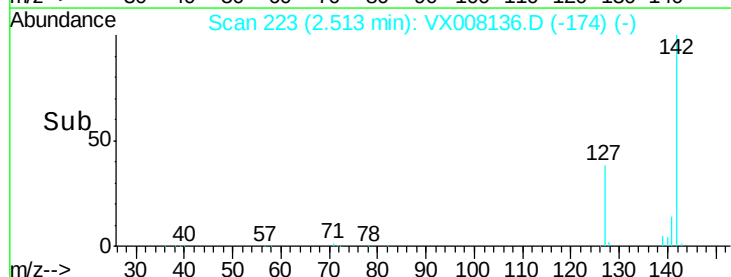
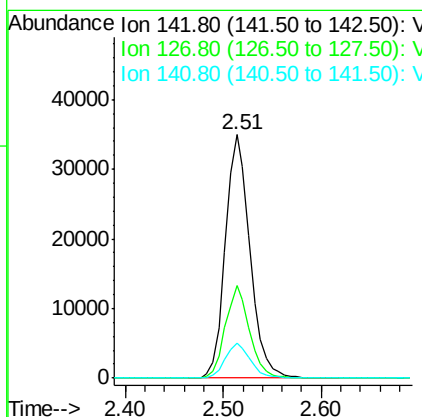
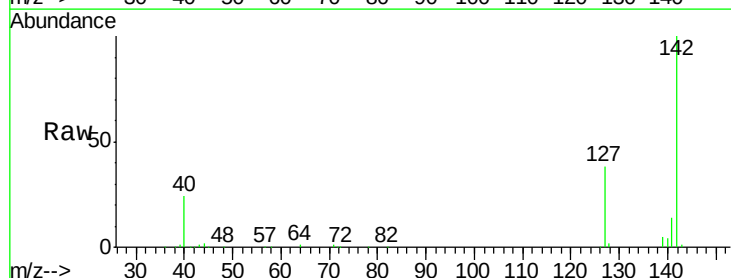
RT: 2.51 min Scan# 223

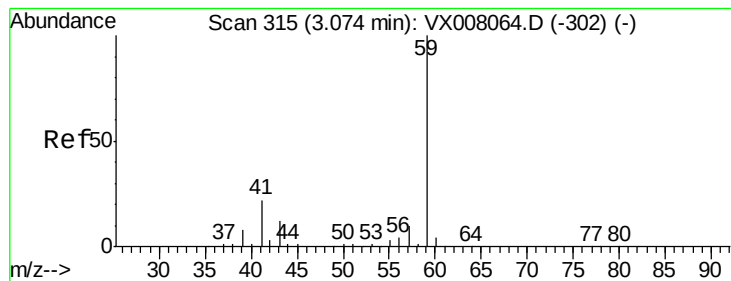
Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Tgt Ion:	142	Resp:	60812
Ion Ratio	Lower	Upper	
142	100		
127	37.3	32.1	48.1
141	14.5	11.4	17.2





#11

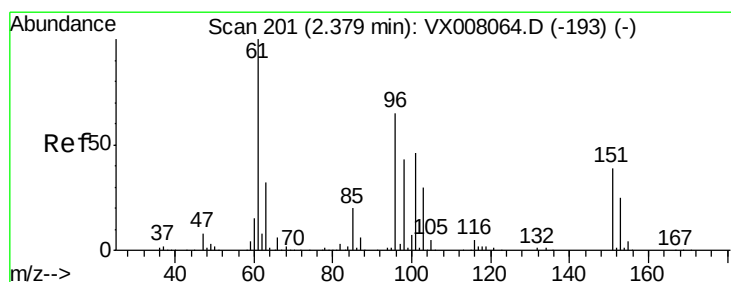
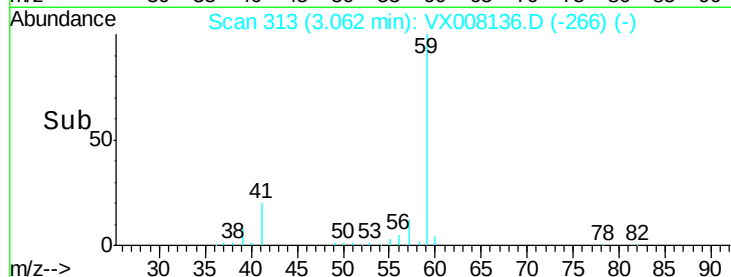
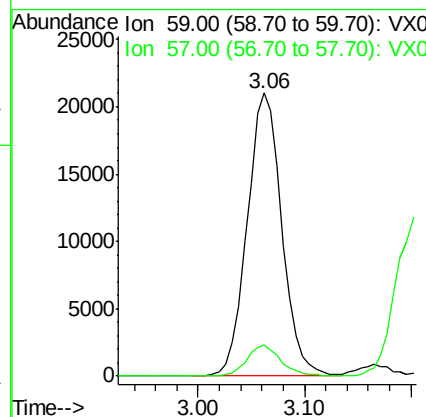
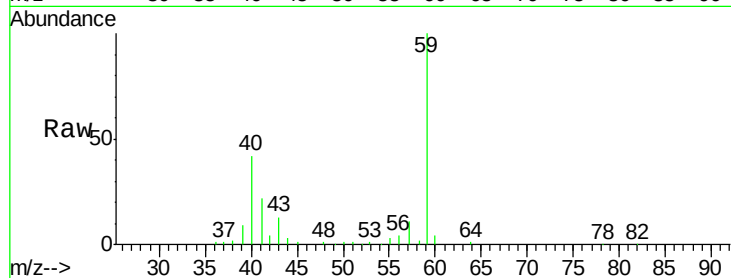
Tert butyl alcohol
 Concen: 89.939 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VX008136.D
 Acq: 16 Mar 2019 13:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBS01

Tot Ion	59	57	Ratio	100	10.7	Resp	48000	Lower	Upper
59	100								
57		10.7						8.2	12.2

Manual Integrations
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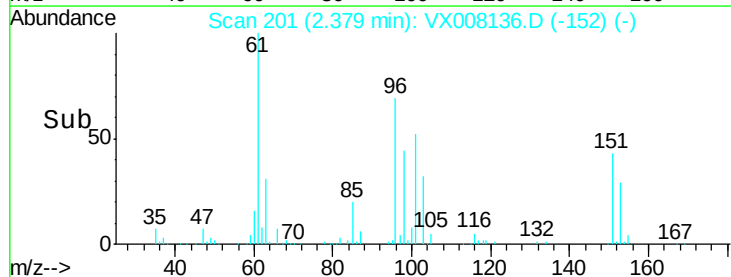
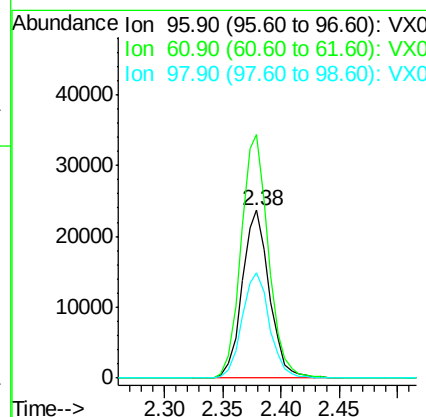
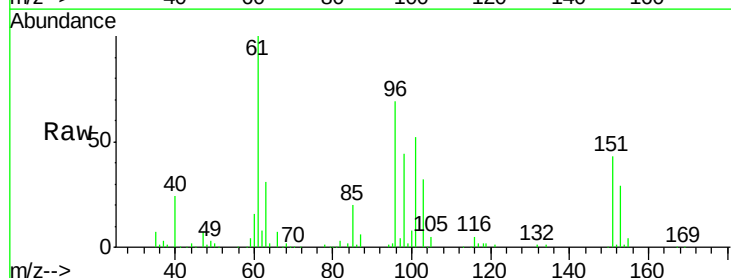
MMDadoda
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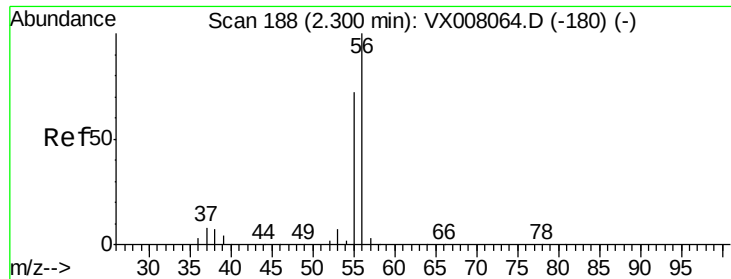


#12

1,1-Dichloroethene
 Concen: 18.453 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.00 min
 Lab File: VX008136.D
 Acq: 16 Mar 2019 13:08

Tgt Ion	96	61	98	Ratio	100	145.1	63.1	Resp	38529	Lower	Upper
96	100										
61		145.1								129.8	194.6
98		63.1								51.0	76.6





#13

Acrolein

Concen: 68.364 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBS01

Tot Ion: 56 Resp: 33608

Ion Ratio Lower Upper

56 100

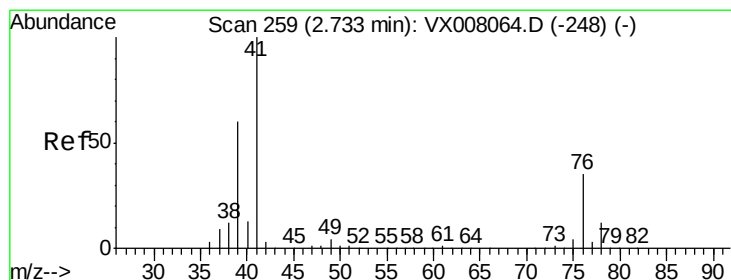
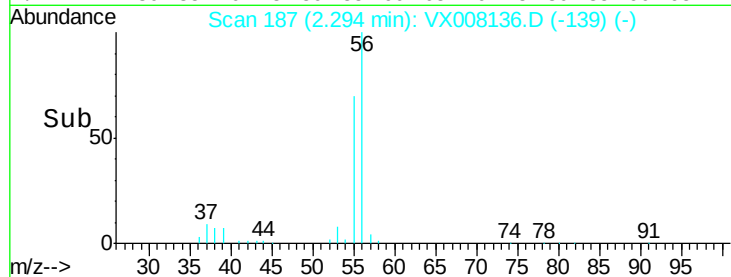
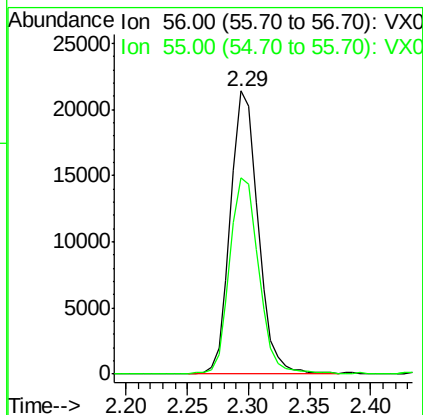
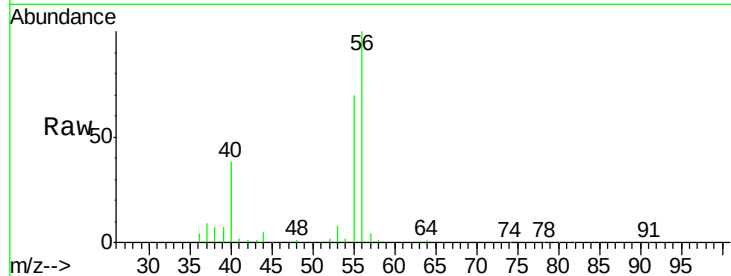
55 72.6 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 16.740 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

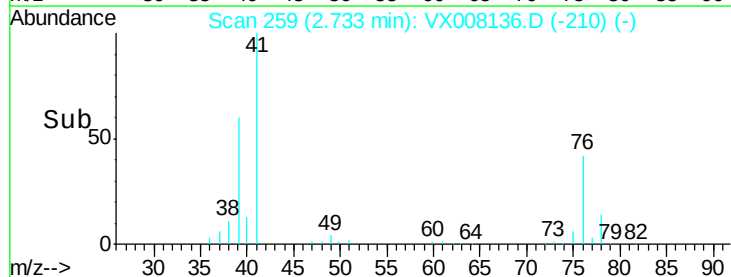
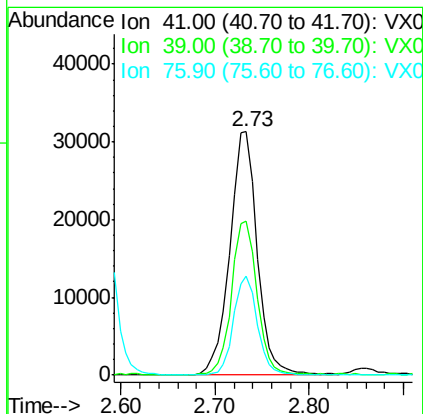
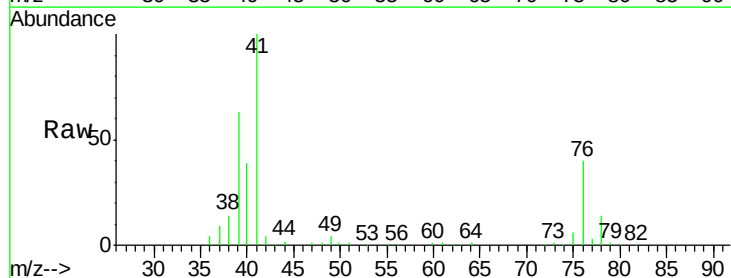
Tgt Ion: 41 Resp: 63662

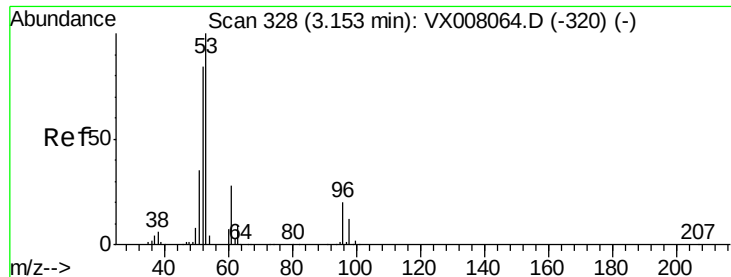
Ion Ratio Lower Upper

41 100

39 59.6 46.1 69.1

76 35.3 24.0 36.0





#15

Acrylonitrile

Concen: 87.597 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

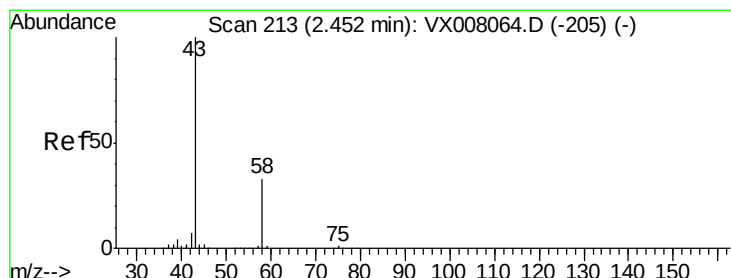
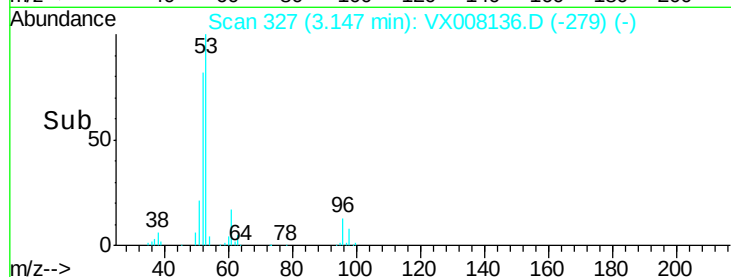
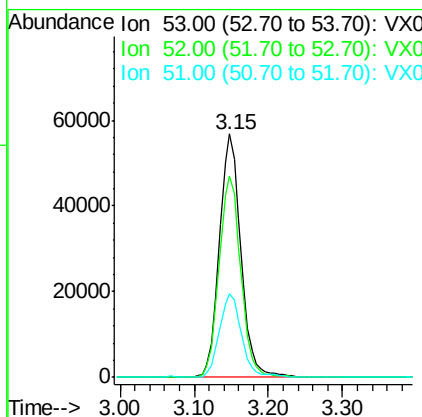
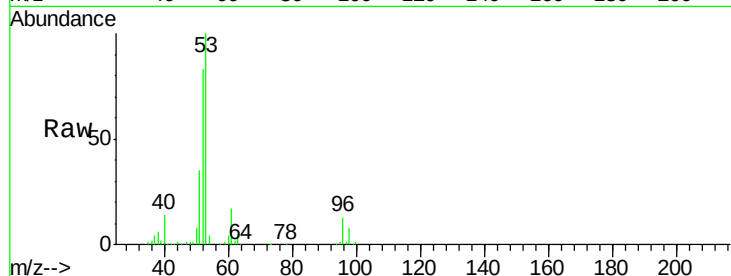
ClientSampleId :

VX0316WBS01

Tot Ion:	53	Resp:	113998
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.0	99.0
51	35.5	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 82.436 ug/l

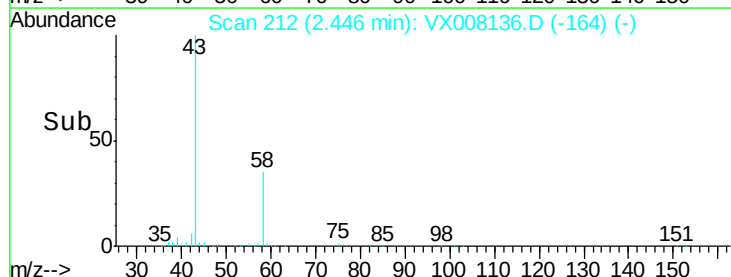
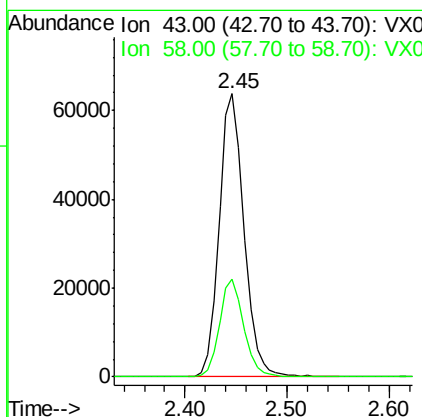
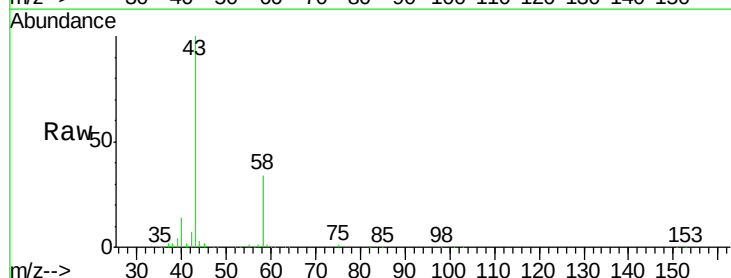
RT: 2.45 min Scan# 212

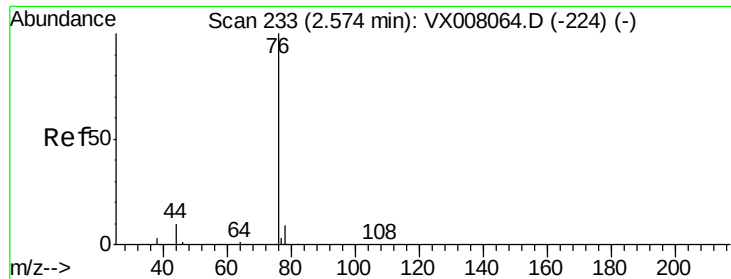
Delta R.T. -0.01 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Tgt Ion:	43	Resp:	107509
Ion Ratio		Lower	Upper
43	100		
58	34.5	25.5	38.3





#17

Carbon Disulfide

Concen: 18.094 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBS01

Tot Ion: 76 Resp: 108475

Ion Ratio Lower Upper

76 100

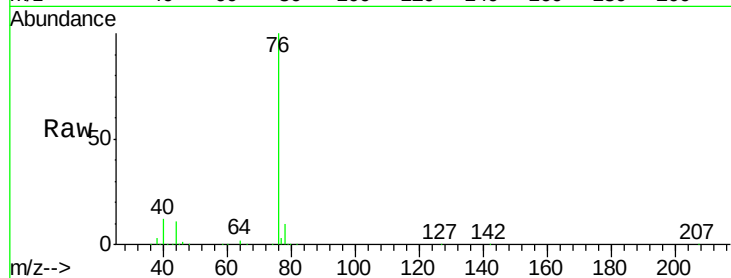
78 9.7 7.2 10.8

Manual Integrations

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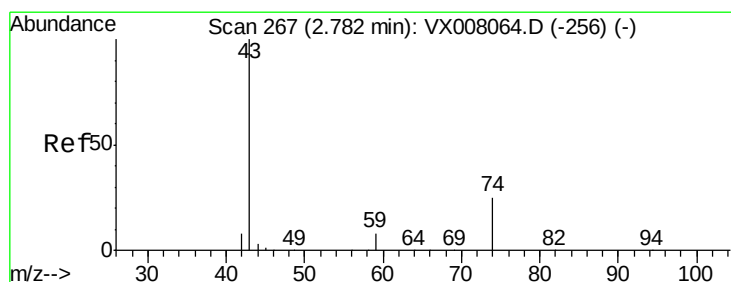
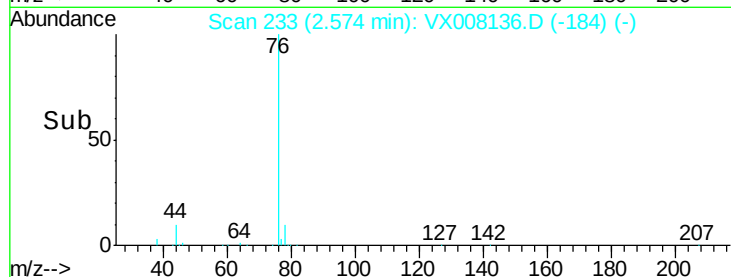
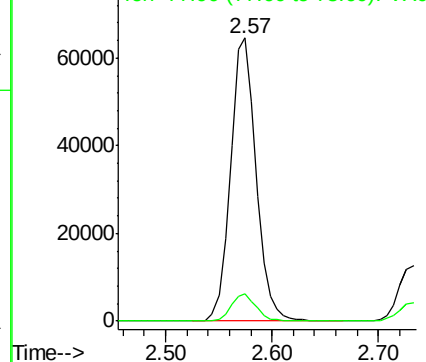
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 18.698 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX008136.D

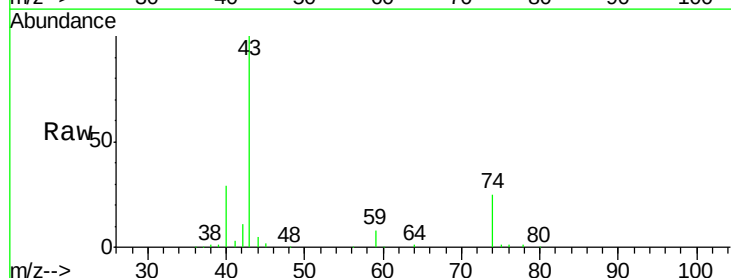
Acq: 16 Mar 2019 13:08

Tgt Ion: 43 Resp: 52704

Ion Ratio Lower Upper

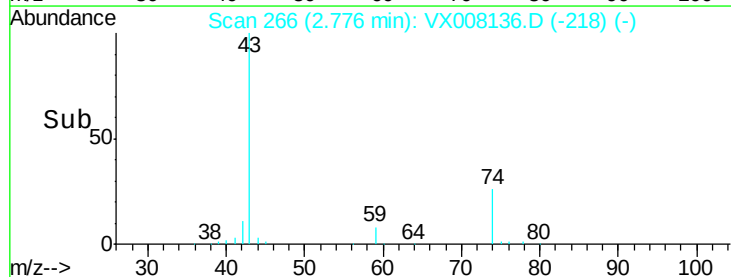
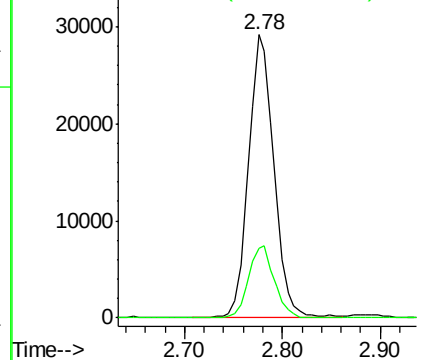
43 100

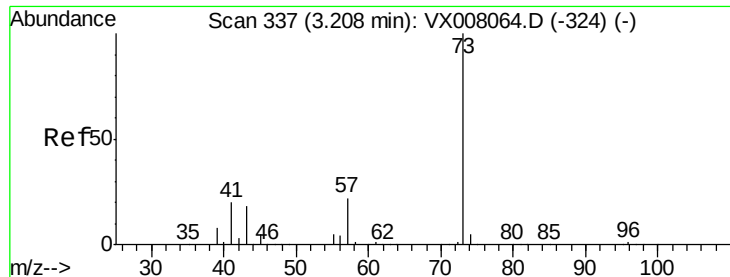
74 25.8 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





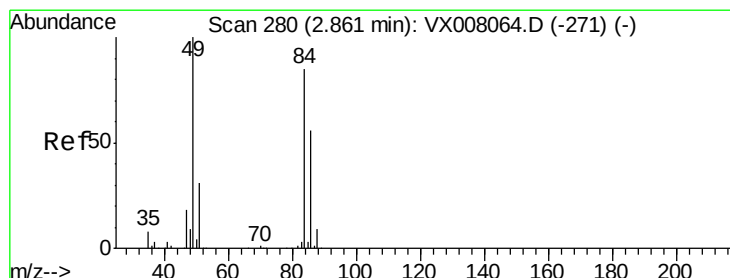
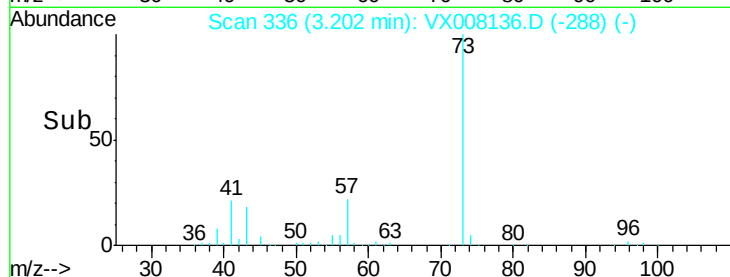
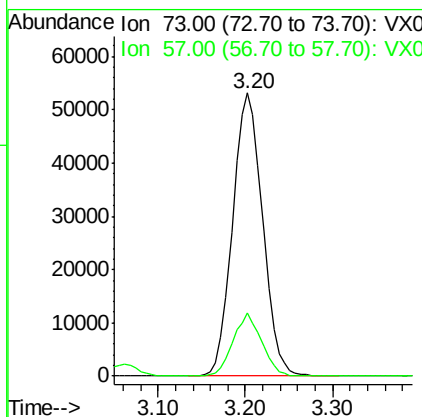
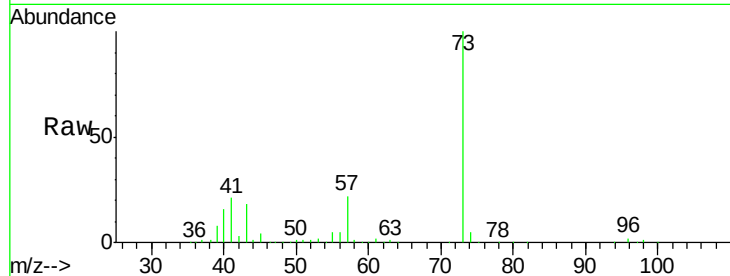
#19
Methyl tert-butyl Ether
Concen: 17.950 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBS01

Tot Ion: 73 Resp: 126717
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.4

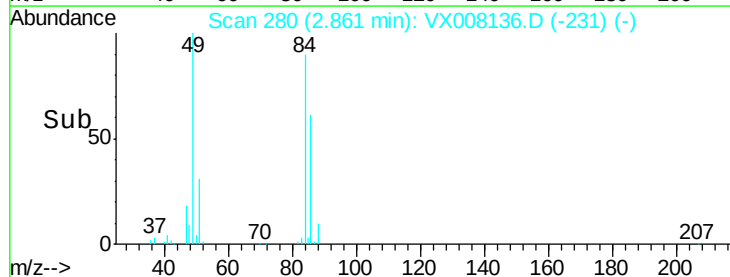
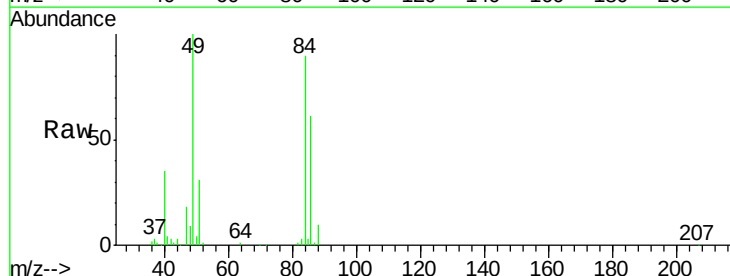
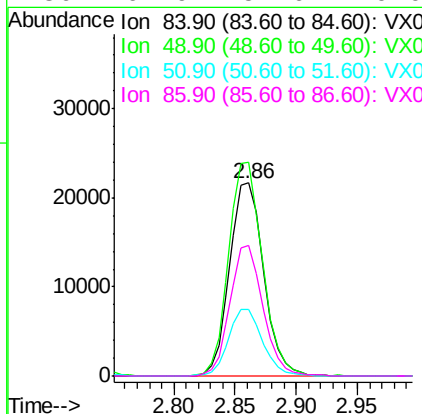
Manual Integrations
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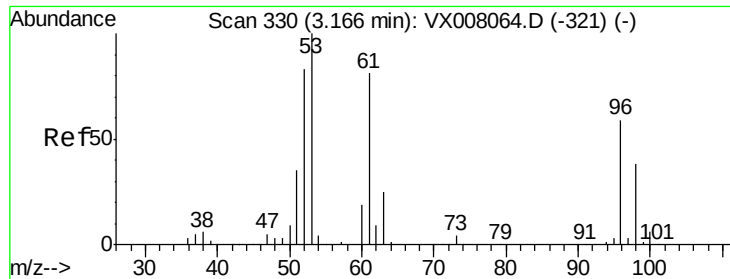
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#20
Methylene Chloride
Concen: 17.981 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Tgt Ion: 84 Resp: 41881
Ion Ratio Lower Upper
84 100
49 110.6 99.3 148.9
51 34.6 31.3 46.9
86 67.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 18.332 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBS01

Tot Ion: 96 Resp: 41240

Ion Ratio Lower Upper

96 100

61 124.7 114.4 171.6

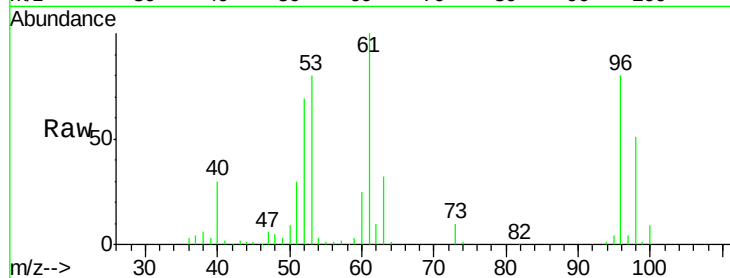
98 63.3 51.1 76.7

Manual Integrations

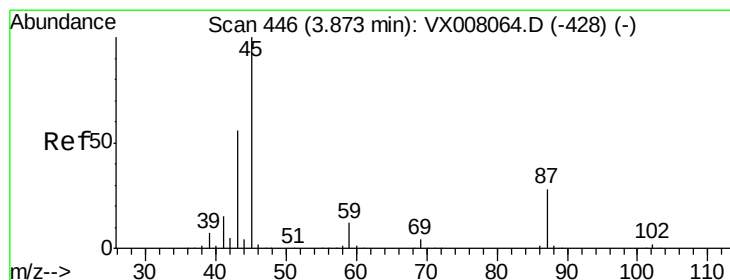
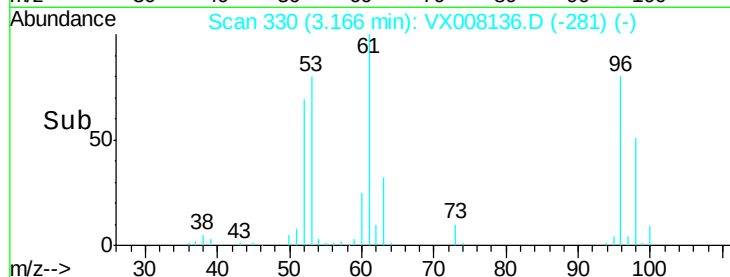
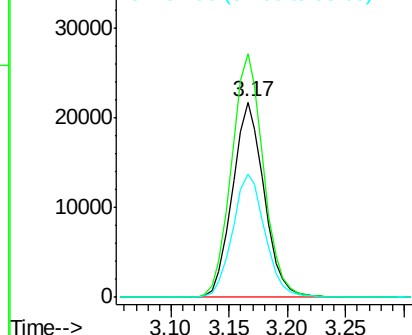
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 17.217 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Tgt Ion: 45 Resp: 130121

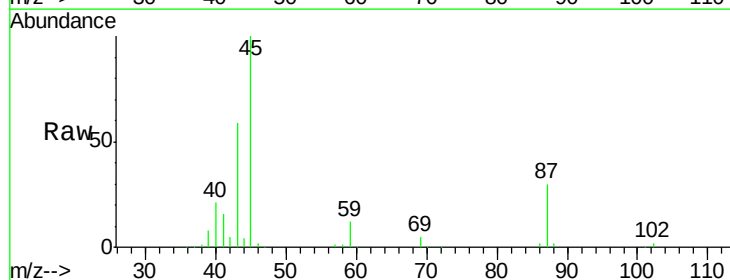
Ion Ratio Lower Upper

45 100

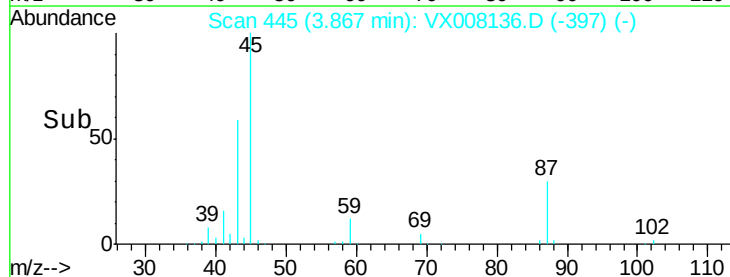
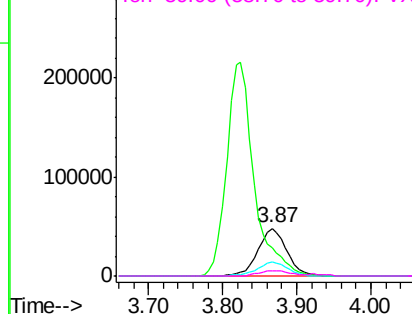
43 58.6 45.3 67.9

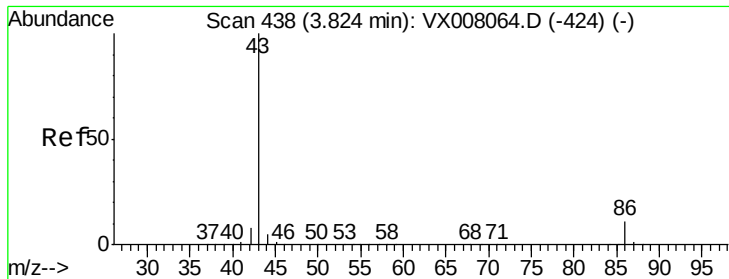
87 29.6 21.4 32.0

59 11.7 9.5 14.3



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: 86.671 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBS01

Tot Ion: 43 Resp: 557092

Ion Ratio Lower Upper

43 100

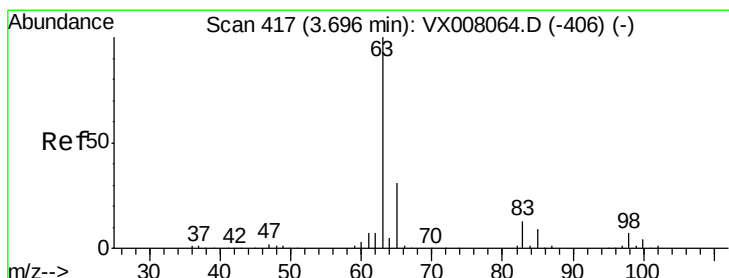
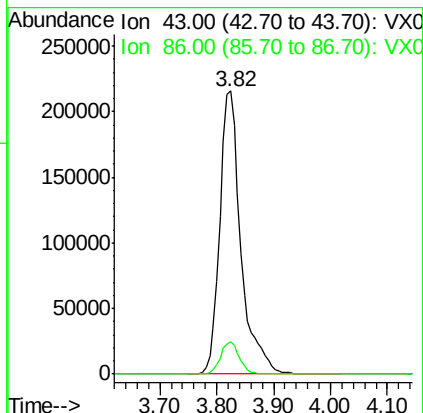
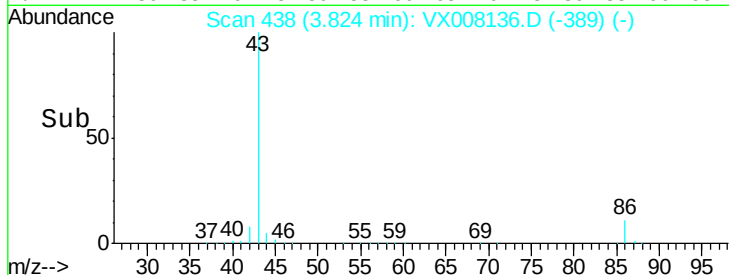
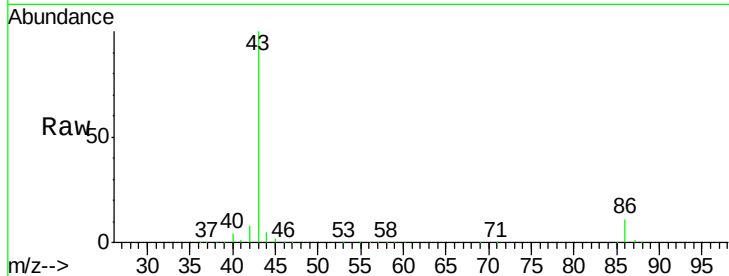
86 11.3 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.252 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

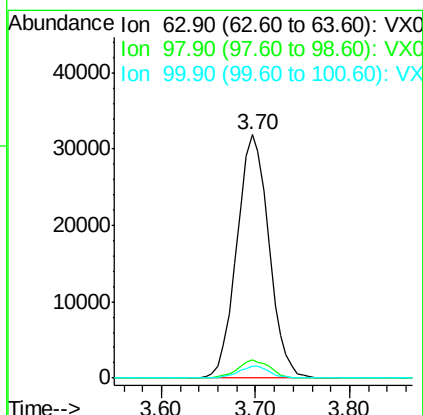
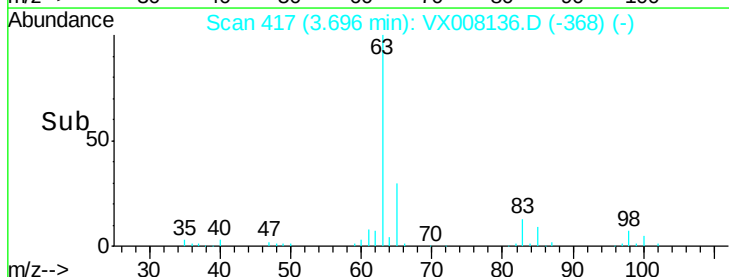
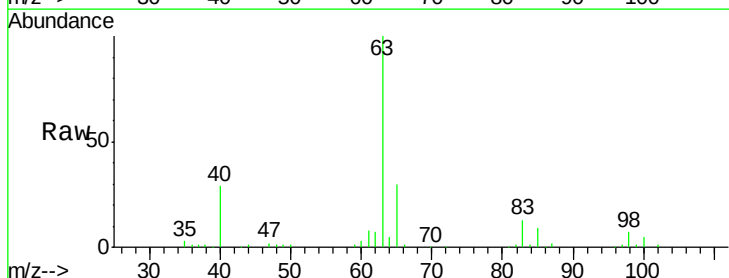
Tgt Ion: 63 Resp: 75618

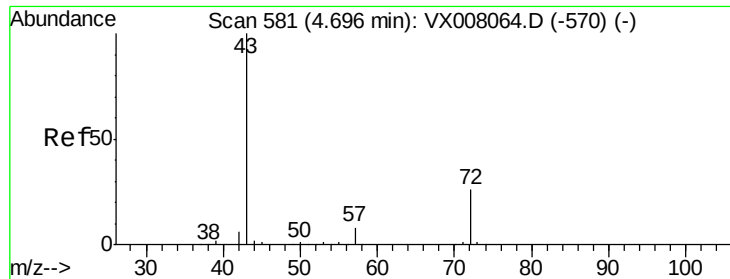
Ion Ratio Lower Upper

63 100

98 7.3 3.3 9.8

100 4.9 2.3 6.8





#25

2-Butanone

Concen: 83.596 ug/l

RT: 4.69 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBS01

Tot Ion: 43 Resp: 167341

Ion Ratio Lower Upper

43 100

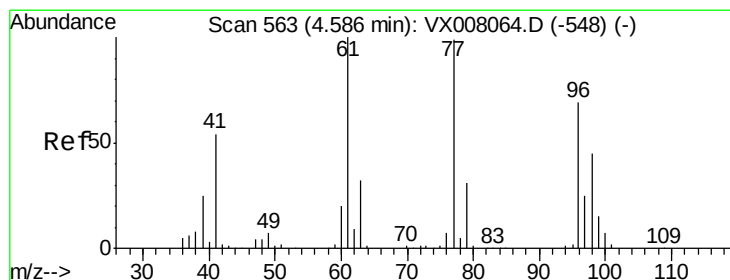
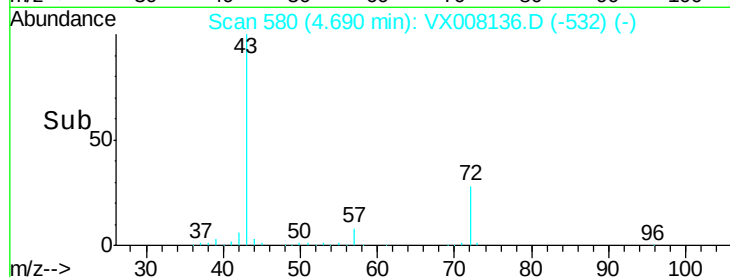
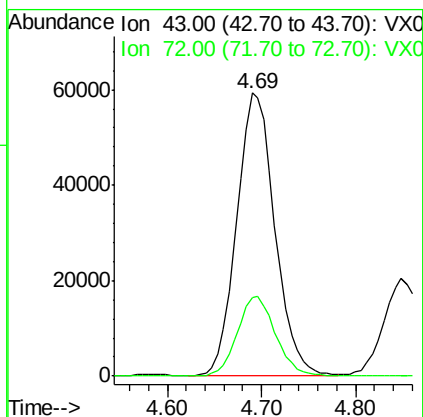
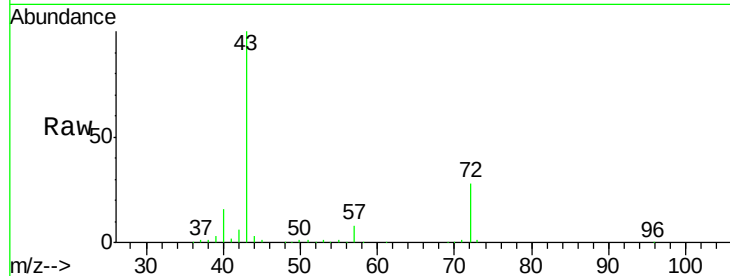
72 27.8 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.378 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008136.D

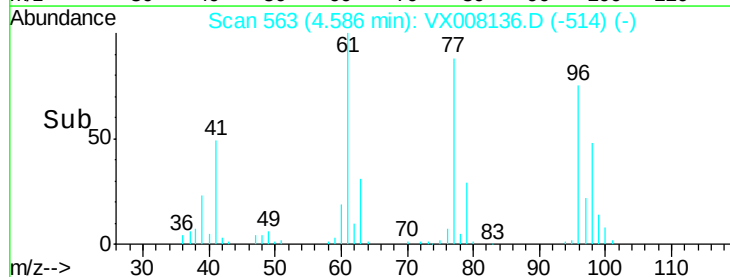
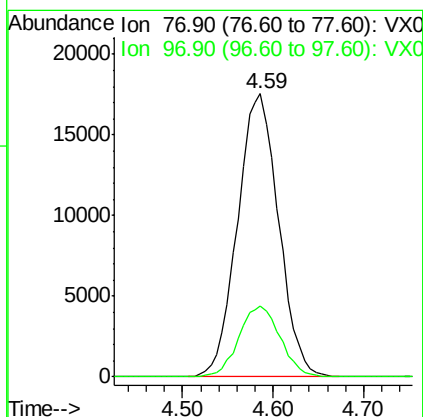
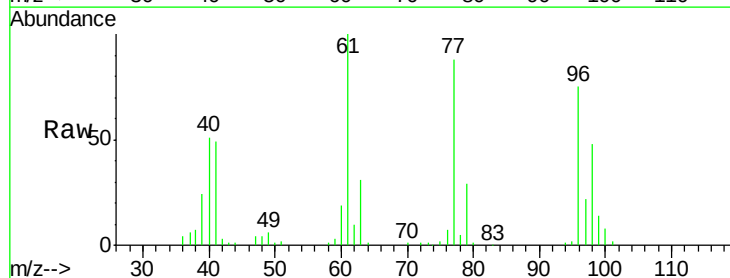
Acq: 16 Mar 2019 13:08

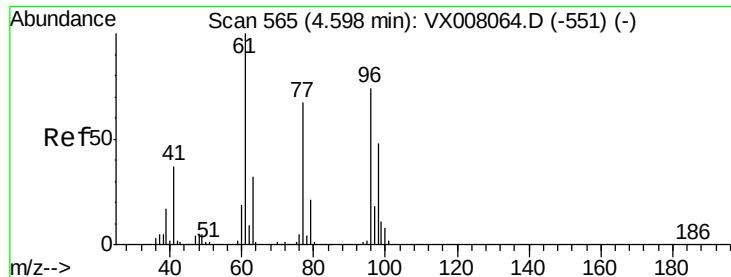
Tgt Ion: 77 Resp: 55003

Ion Ratio Lower Upper

77 100

97 25.3 12.2 36.6





#27

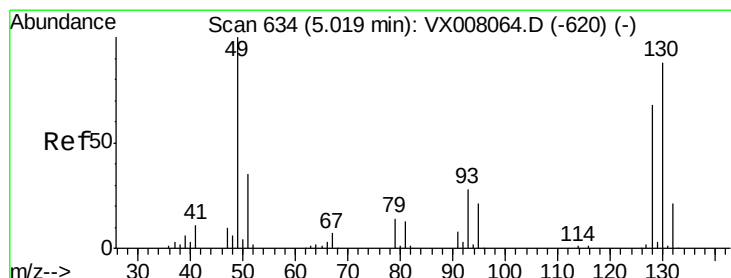
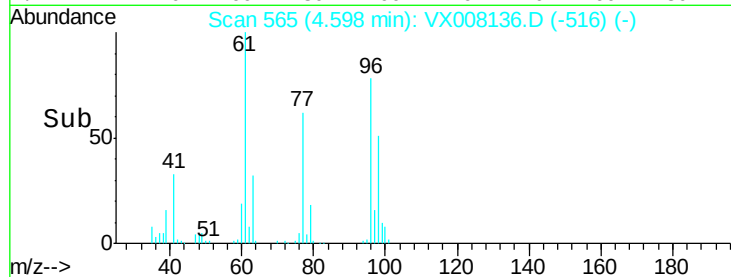
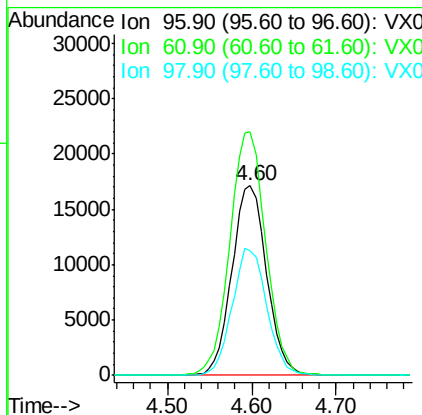
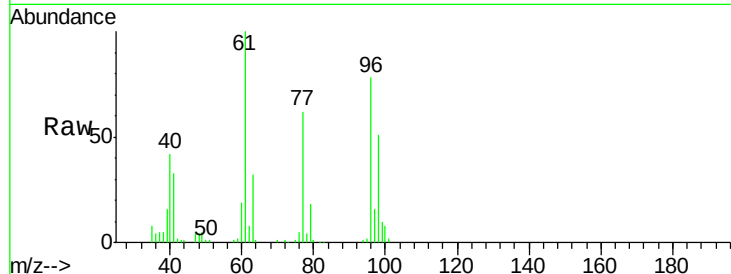
cis-1,2-Dichloroethene
Concen: 17.846 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.2	0.0	288.0
98	66.5	0.0	129.0

Manual Integrations
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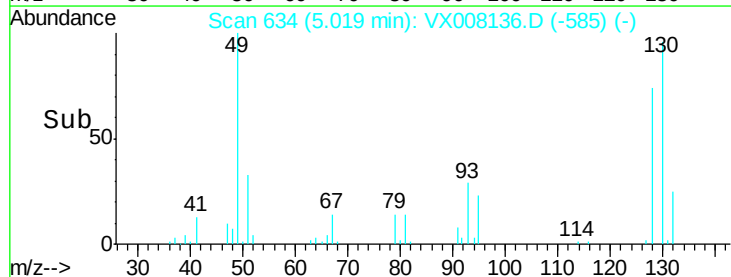
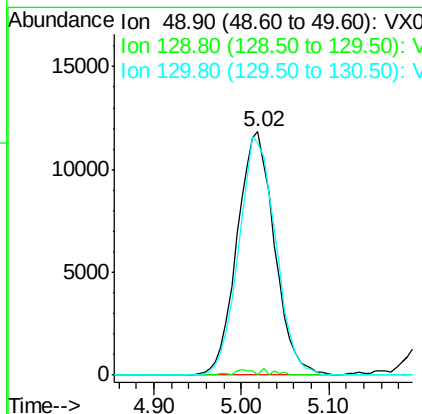
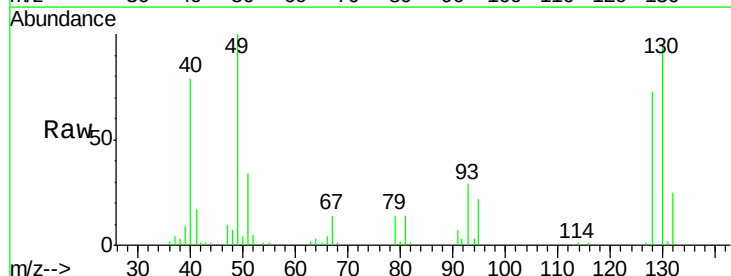
MMDadoda
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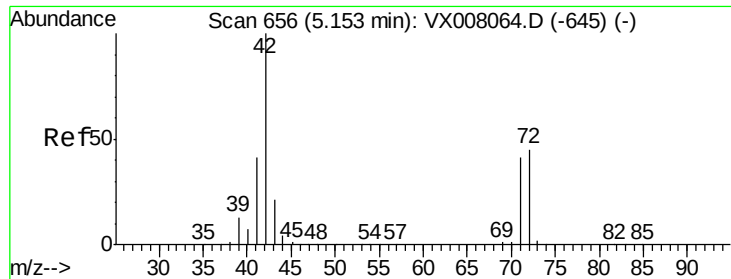


#28

Bromochloromethane
Concen: 17.960 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	4.0
130	96.8	65.0	97.4





#29

Tetrahydrofuran

Concen: 83.444 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

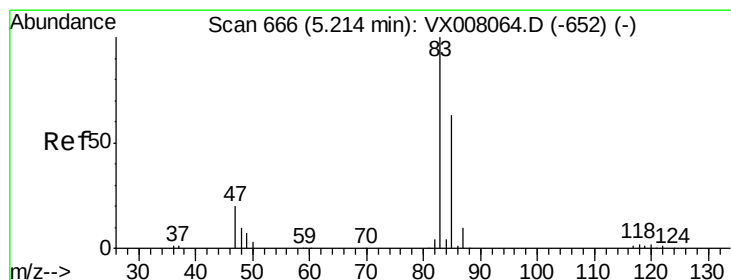
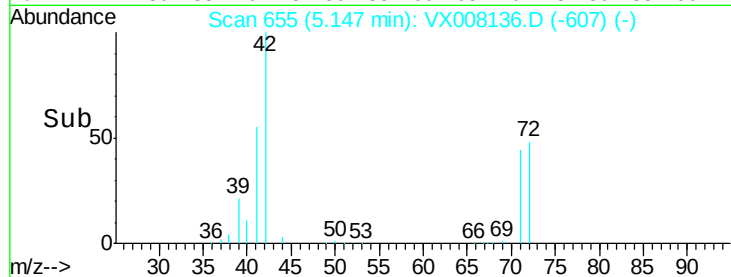
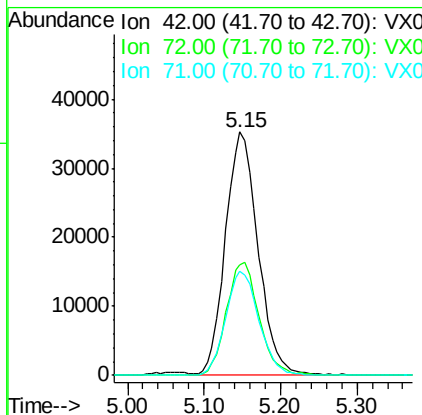
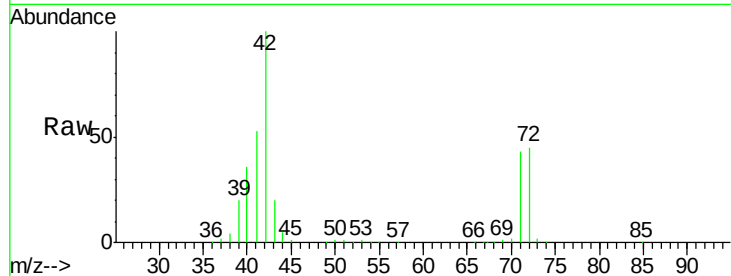
ClientSampleId :

VX0316WBS01

Tot Ion:	42	Resp:	104274
Ion	Ratio	Lower	Upper
42	100		
72	46.4	33.8	50.6
71	43.5	31.5	47.3

Manual Integrations
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#30

Chloroform

Concen: 17.691 ug/l

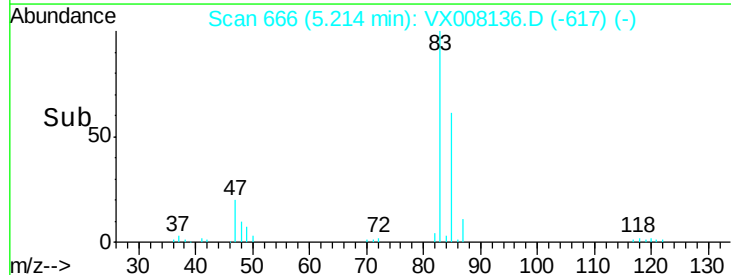
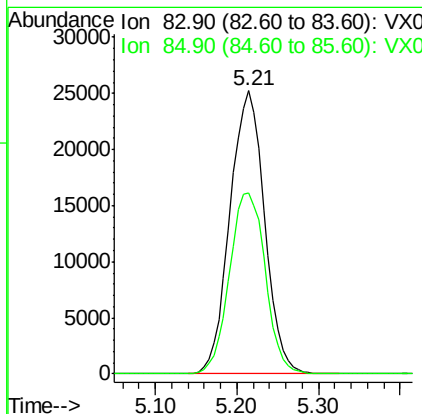
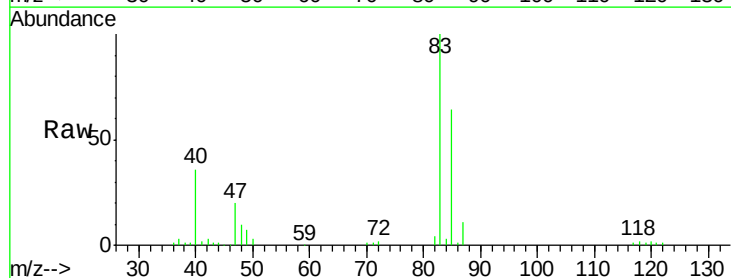
RT: 5.21 min Scan# 666

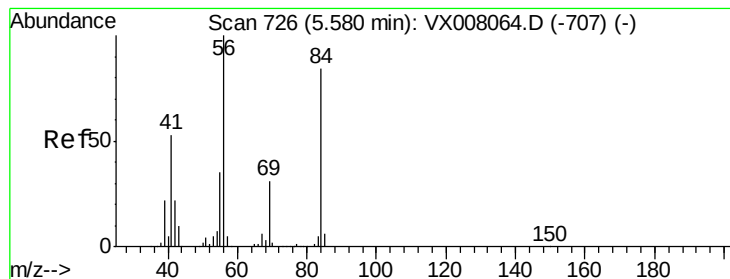
Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Tgt Ion:	83	Resp:	74242
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6





#31

Cyclohexane

Concen: 17.173 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

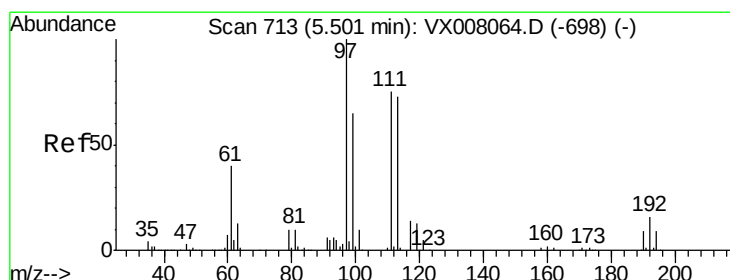
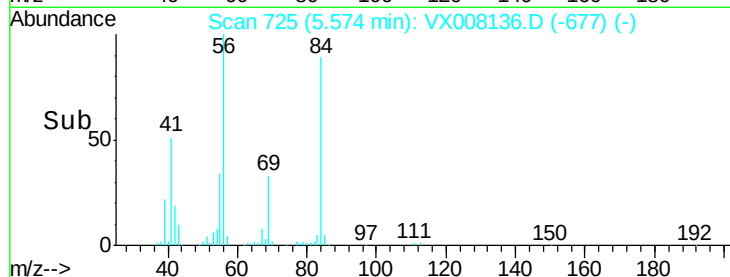
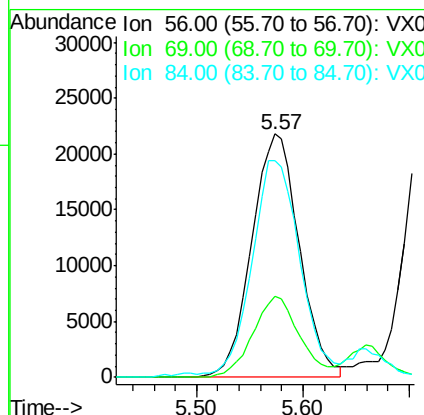
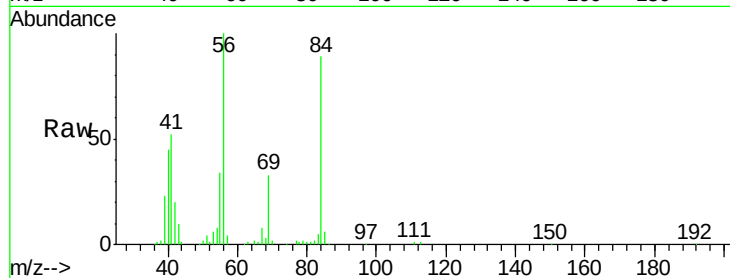
ClientSampleId :

VX0316WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	24.0	36.0
84	87.4	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.098 ug/l

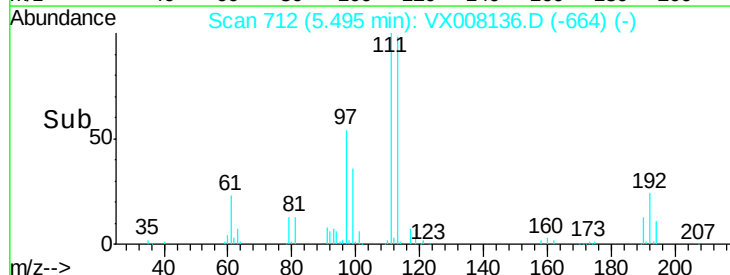
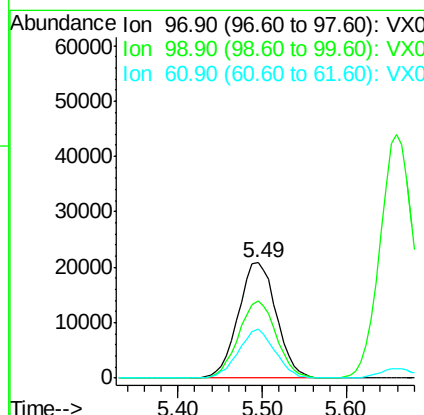
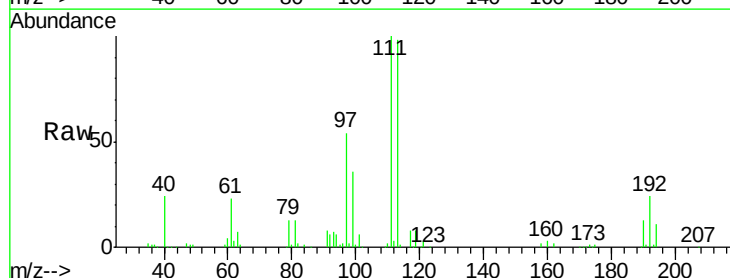
RT: 5.49 min Scan# 712

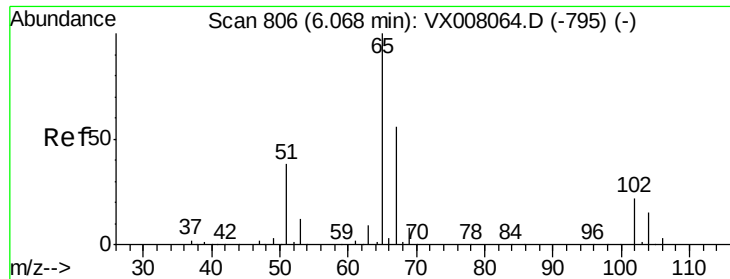
Delta R.T. -0.01 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.2	78.2
61	40.4	34.9	52.3





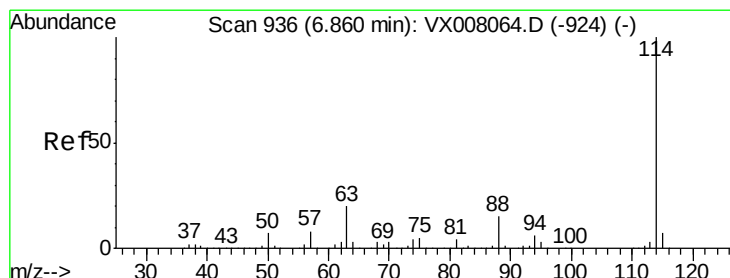
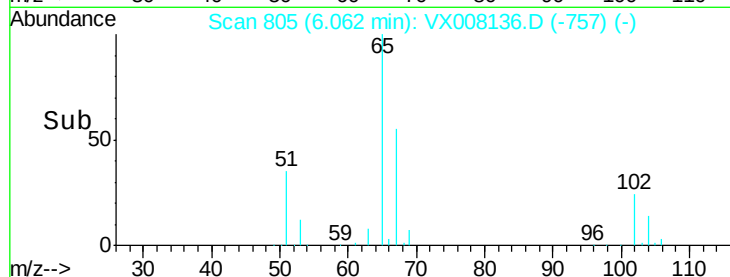
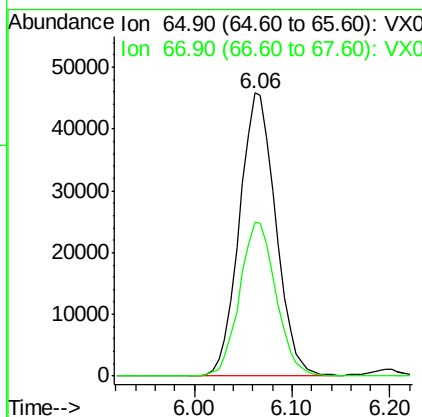
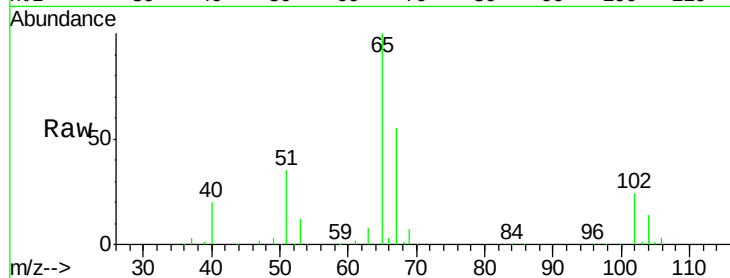
#33
 1,2-Dichloroethane-d4
 Concen: 42.817 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX008136.D
 Acq: 16 Mar 2019 13:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	118279		
67	54.4	0.0	110.0	

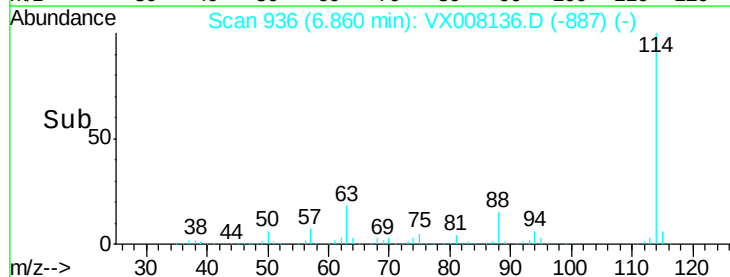
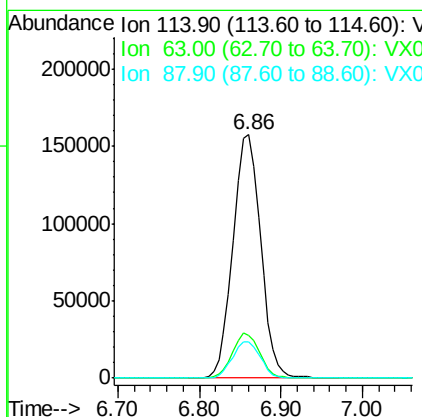
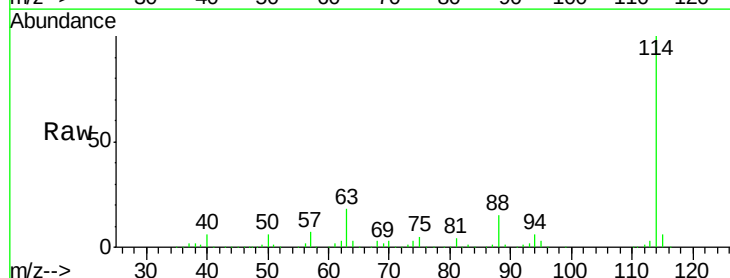
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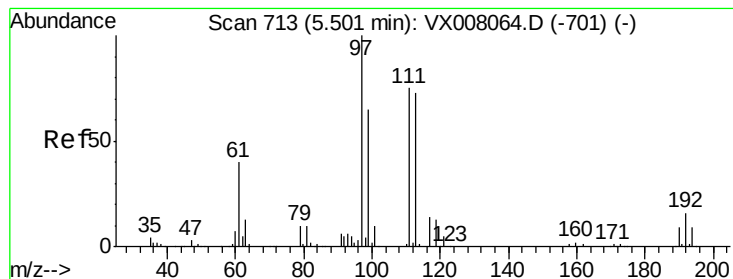
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008136.D
 Acq: 16 Mar 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	370325		
63	17.7	0.0	39.8	
88	15.0	0.0	31.4	





#35

Dibromofluoromethane

Concen: 47.176 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

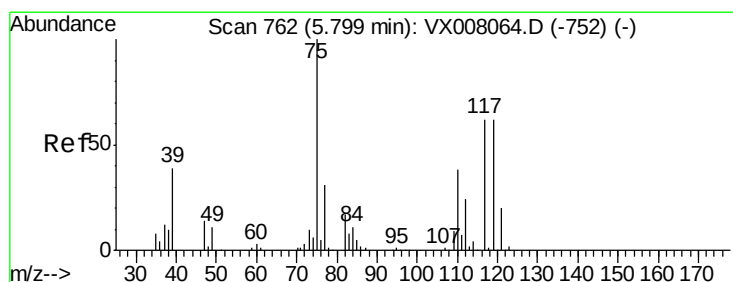
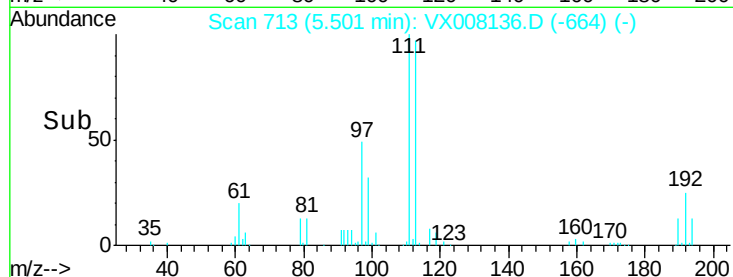
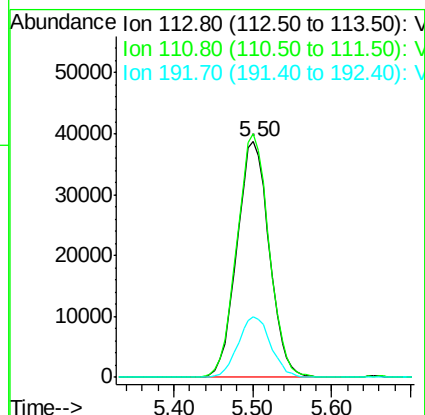
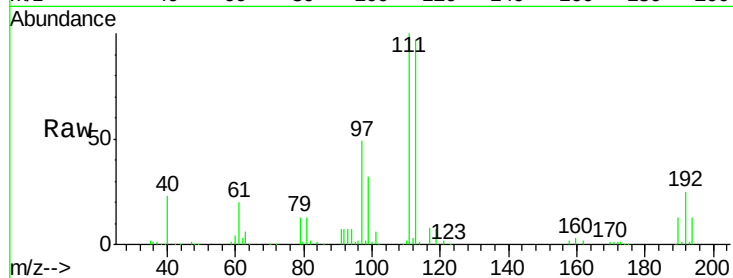
ClientSampleId :

VX0316WBS01

Tot Ion:	113	Resp:	110787
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.4	122.0
192	25.9	19.4	29.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.366 ug/l

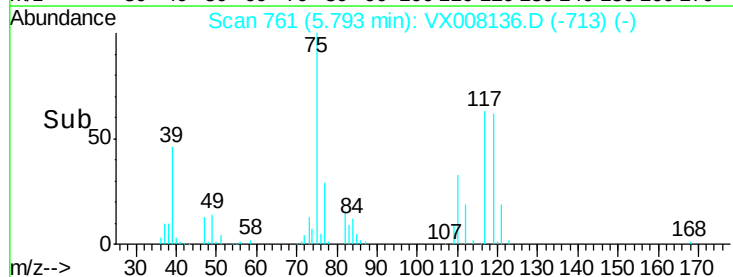
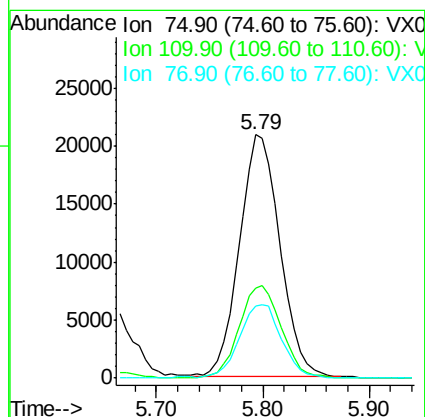
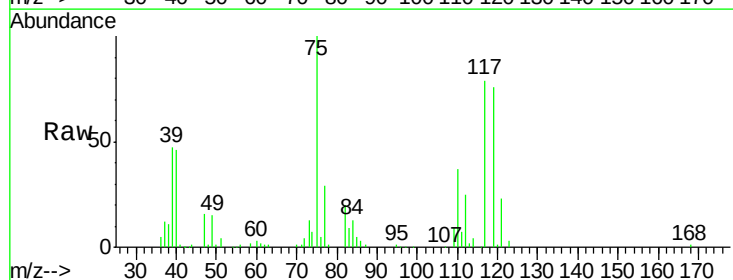
RT: 5.79 min Scan# 761

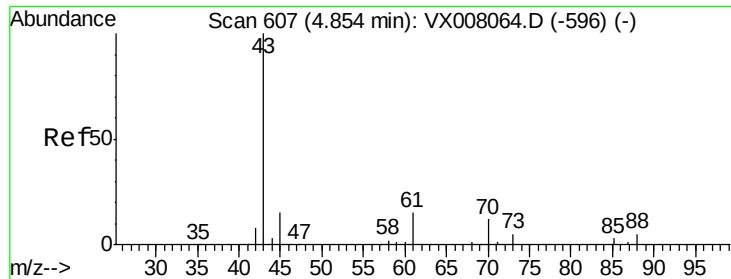
Delta R.T. -0.01 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Tgt Ion:	75	Resp:	55954
Ion Ratio	Lower	Upper	
75	100		
110	39.3	18.4	55.0
77	31.4	25.0	37.4





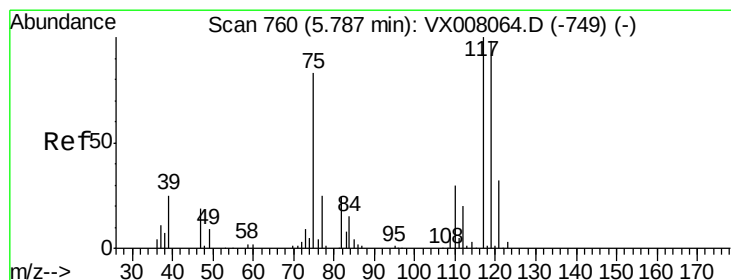
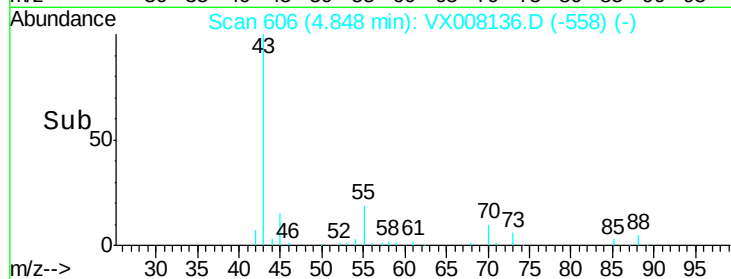
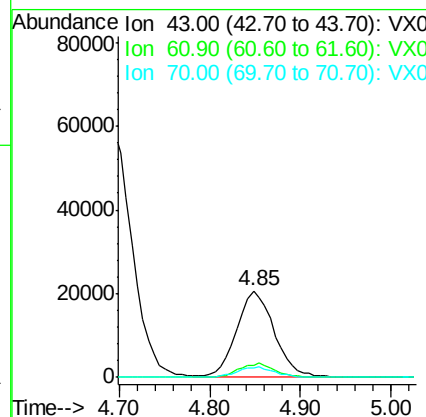
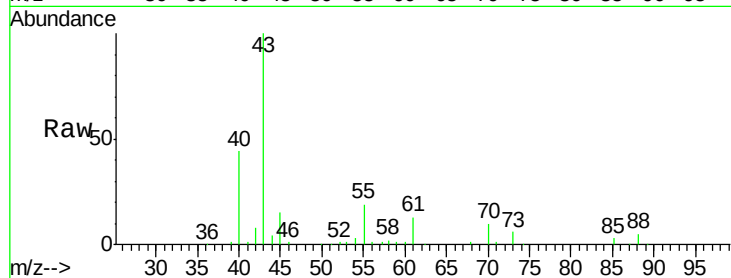
#37
Ethyl Acetate
Concen: 17.817 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.3	16.9
70	11.7	8.5	12.7

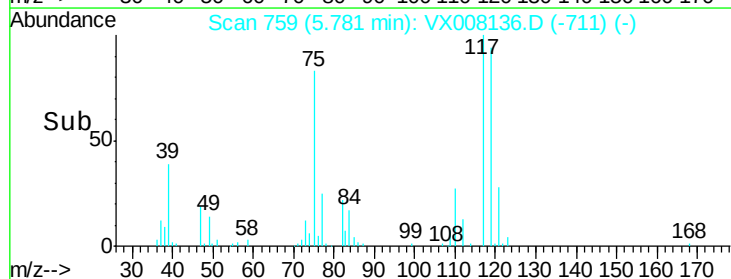
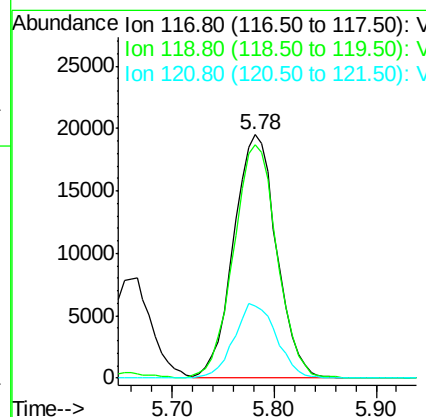
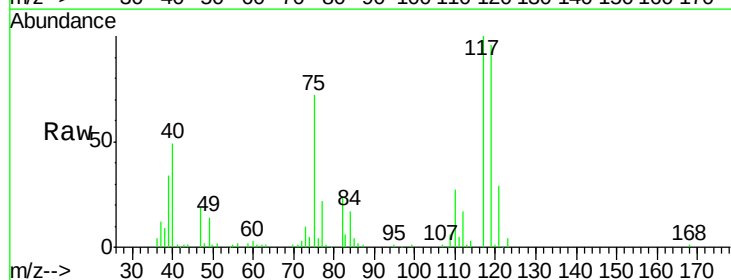
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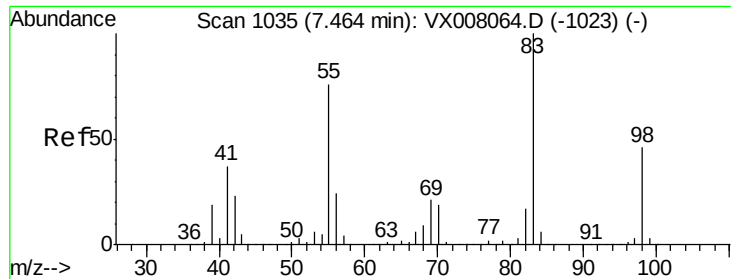
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#38
Carbon Tetrachloride
Concen: 19.436 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.2	114.2
121	29.4	24.6	36.8





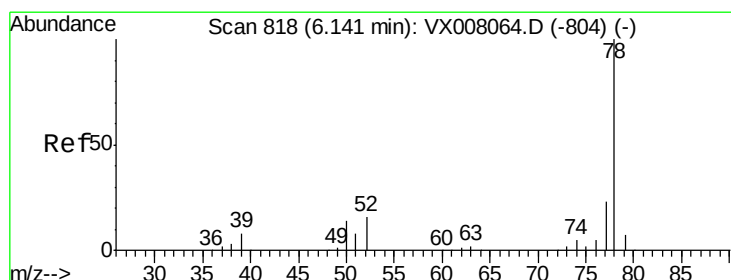
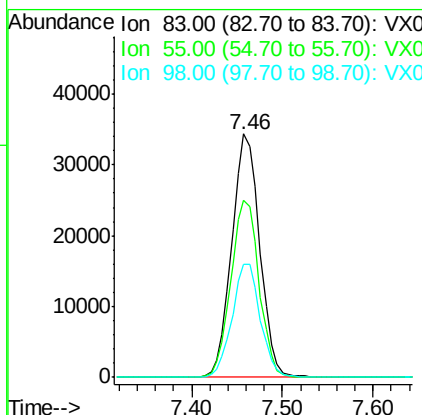
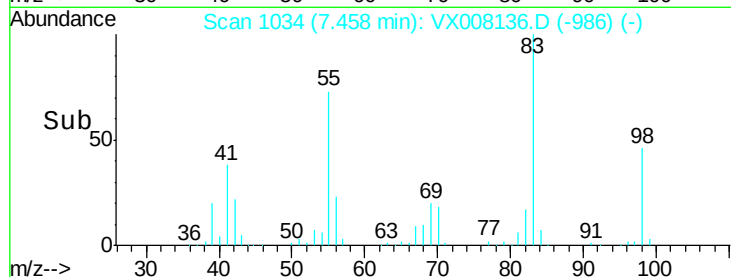
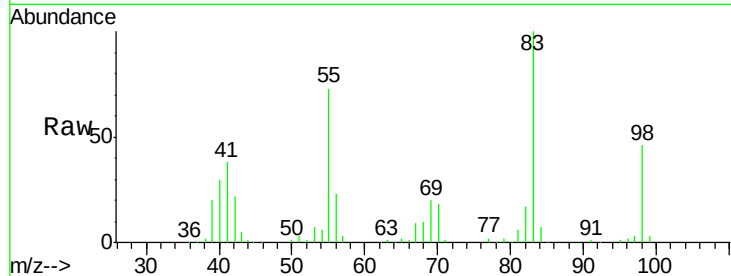
#39
Methylvlcyclohexane
Concen: 18.887 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	60.4	90.6
98	46.4	36.5	54.7

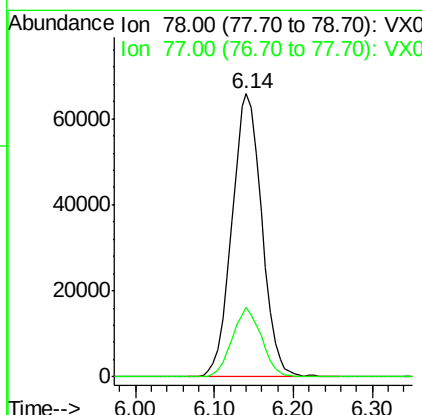
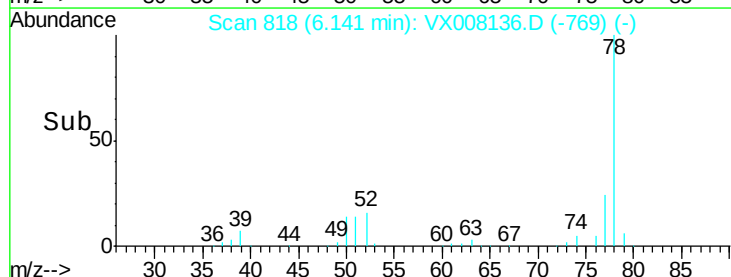
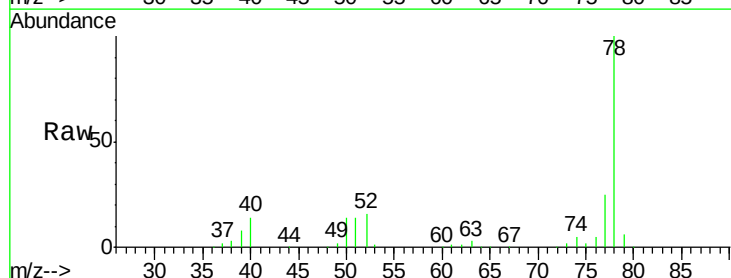
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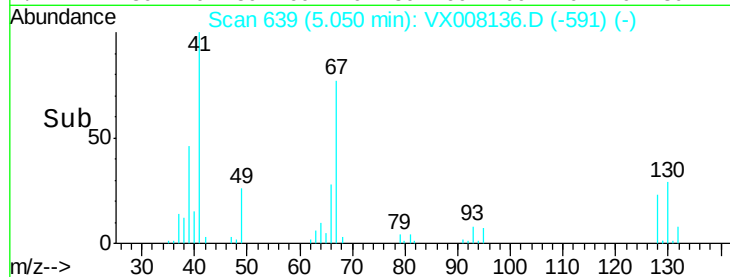
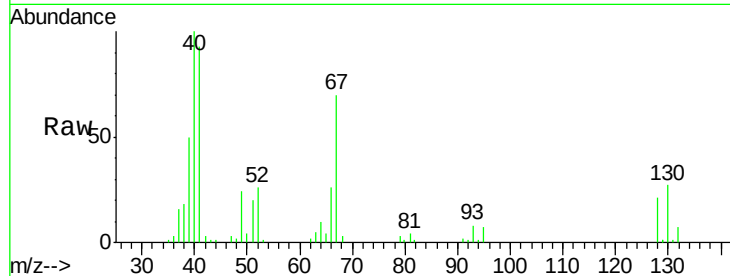
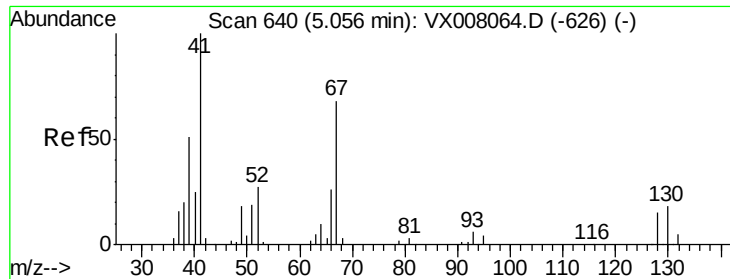
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#40
Benzene
Concen: 18.552 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.4





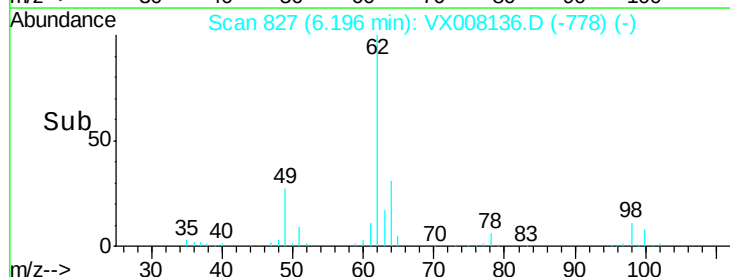
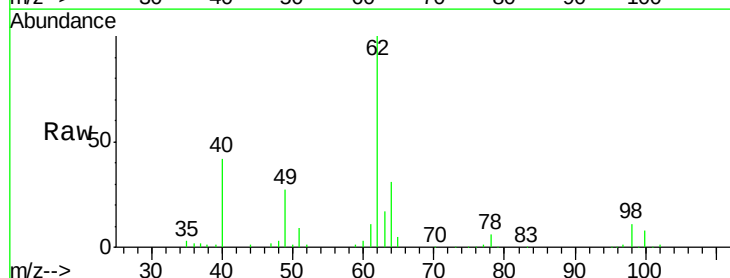
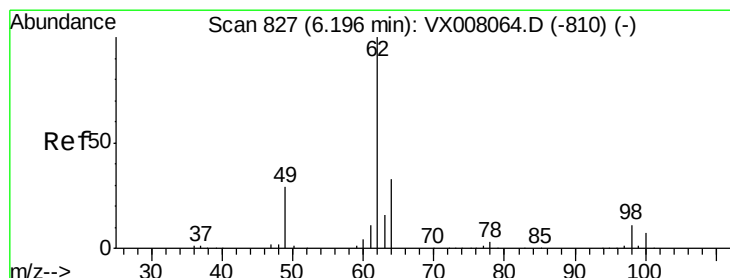
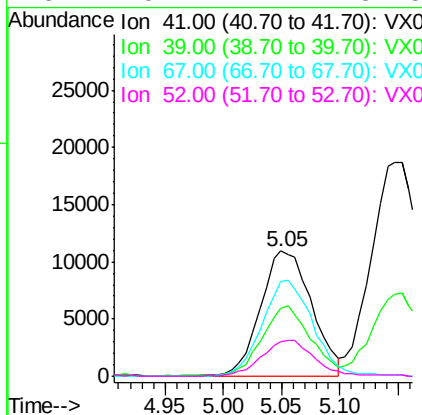
#41
Methacrylonitrile
Concen: 17.488 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.01 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	41.6	62.4	
67	76.2	55.8	83.6	
52	29.2	21.7	32.5	

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBS01

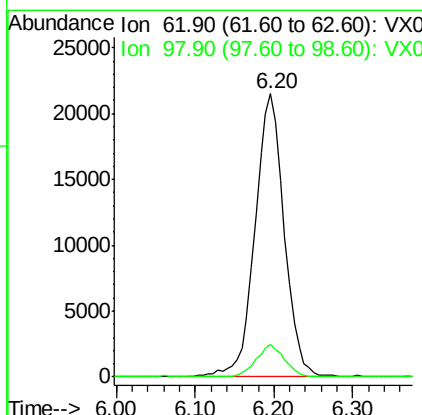
Manual Integrations
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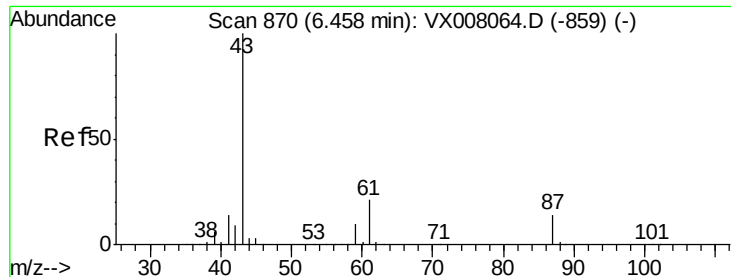
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#42
1,2-Dichloroethane
Concen: 18.483 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.9	0.0	20.4	





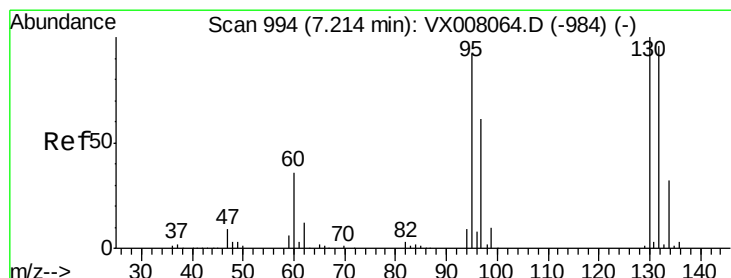
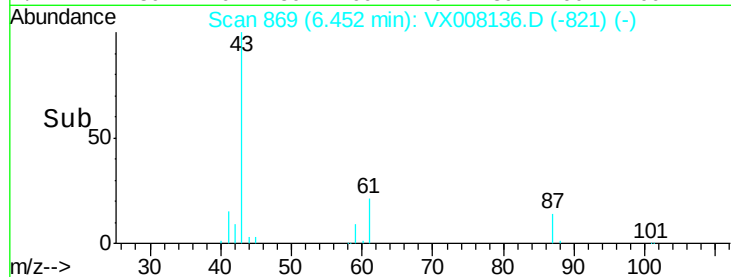
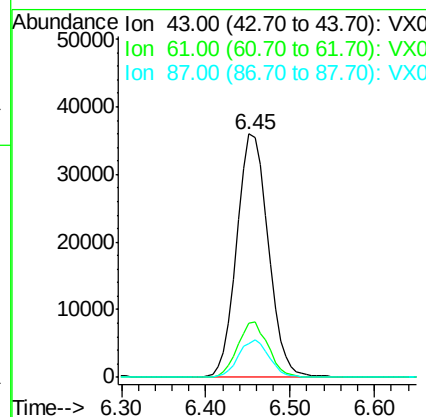
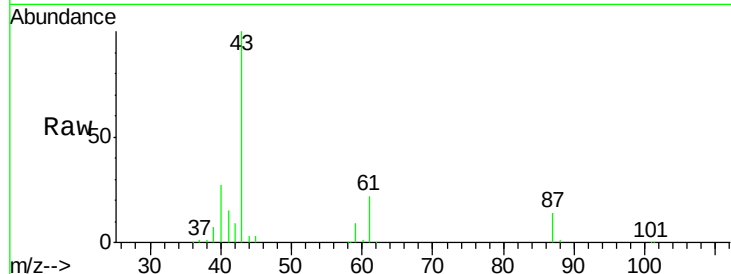
#43
Isopropyl Acetate
Concen: 17.346 ug/l
RT: 6.45 min Scan# 869
Delta R.T. -0.01 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.9	16.3	24.5
87	14.7	10.5	15.7

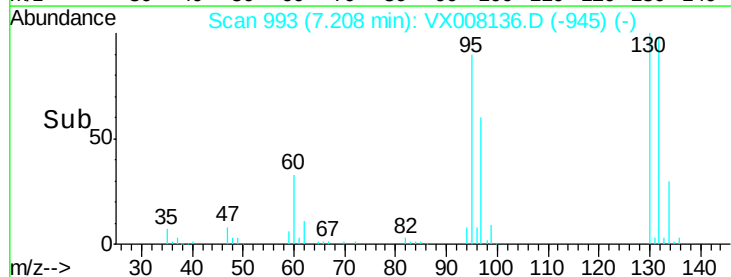
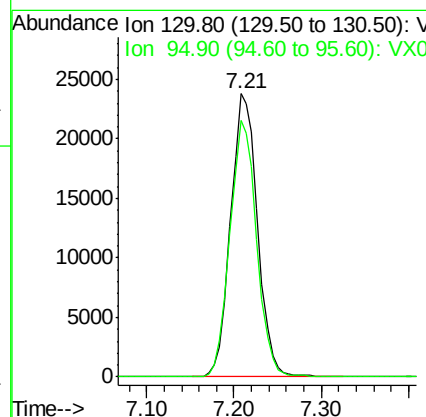
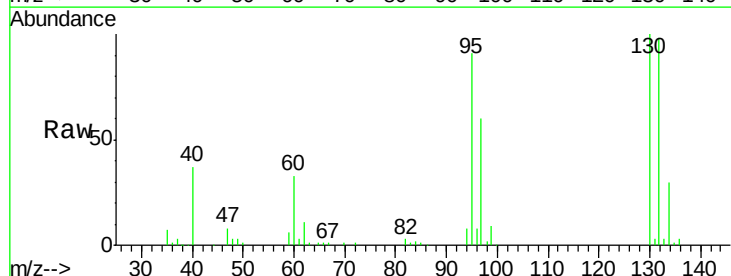
Manual Integrations
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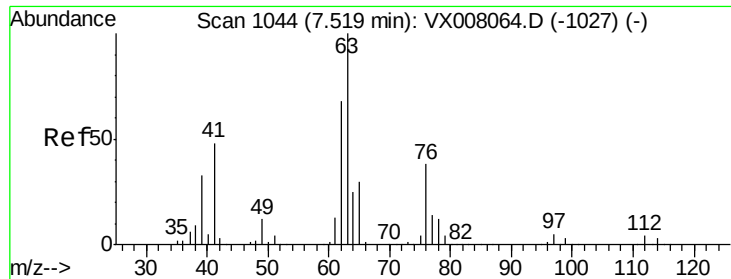
MMDadoda
3/18/2019 10:36:54 AM



#44
Trichloroethene
Concen: 18.832 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	188.0





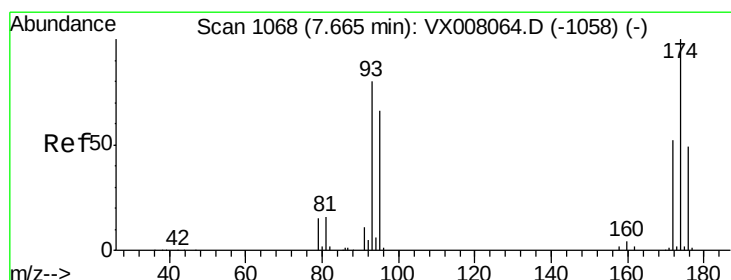
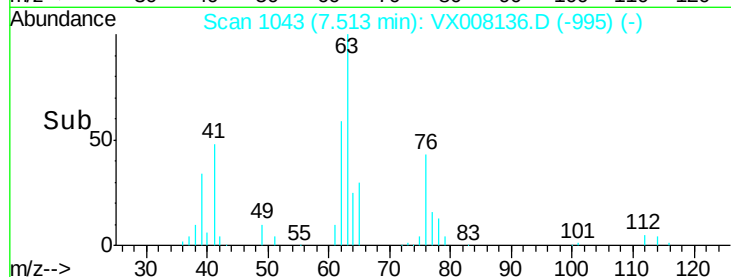
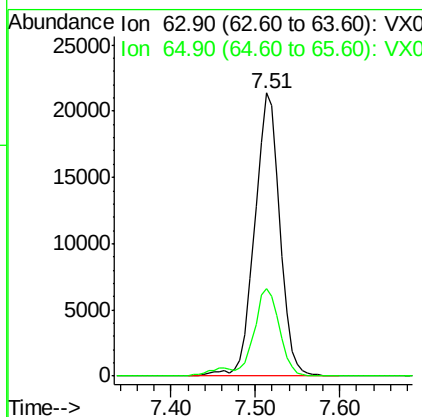
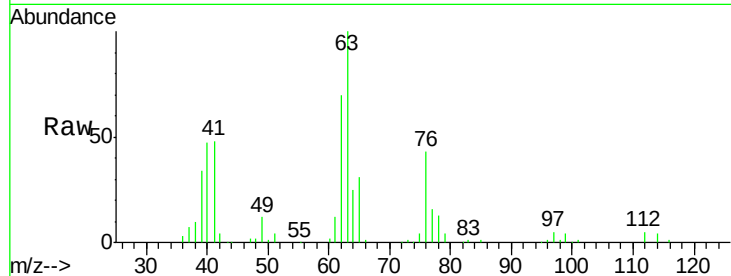
#45
 1,2-Dichloropropane
 Concen: 17.687 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX008136.D
 Acq: 16 Mar 2019 13:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBS01

Tot Ion: 63 Resp: 43549
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.7 37.1

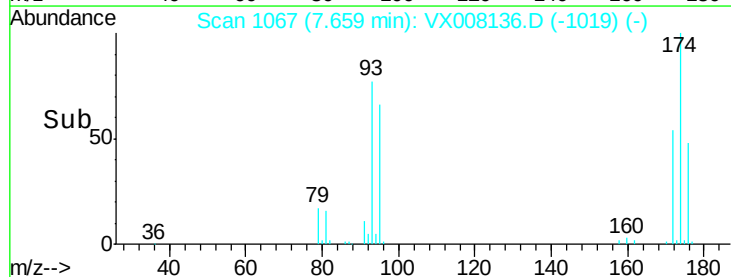
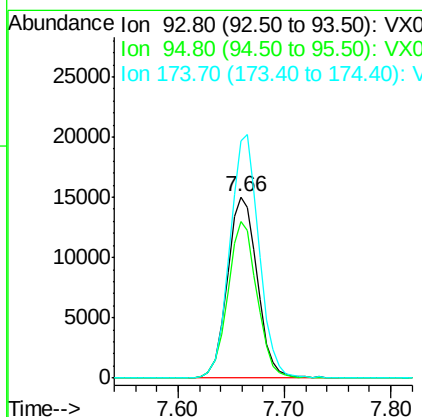
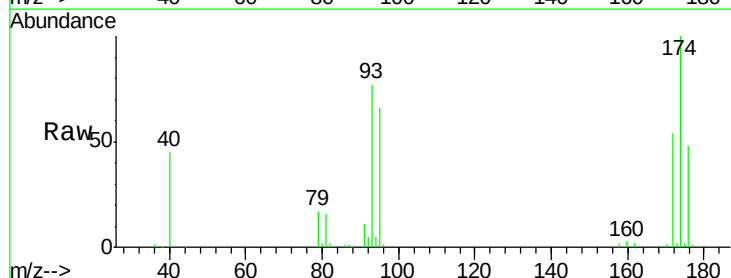
Manual Integrations
 APPROVED

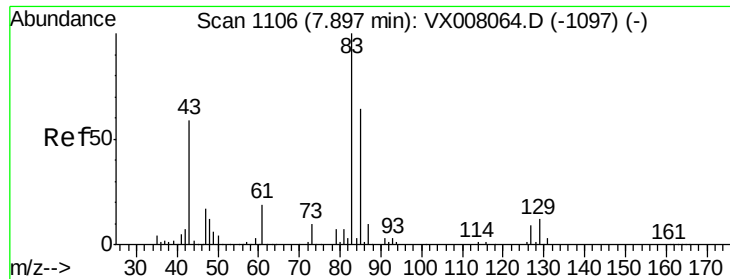
MMDadoda
 3/18/2019 10:36:54 AM



#46
 Dibromomethane
 Concen: 19.184 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX008136.D
 Acq: 16 Mar 2019 13:08

Tgt Ion: 93 Resp: 29606
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.8 100.2
 174 131.0 97.3 145.9





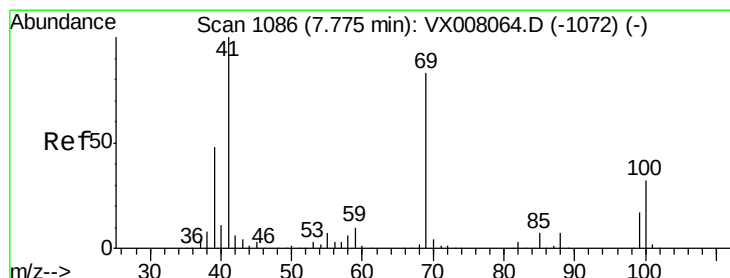
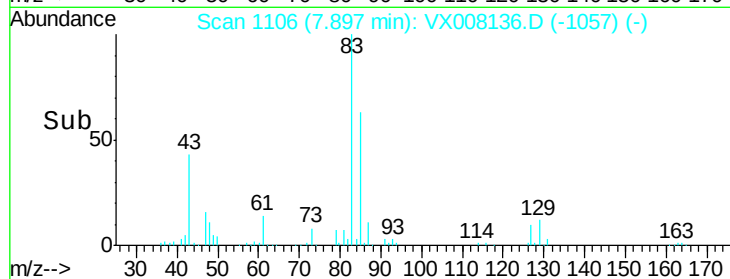
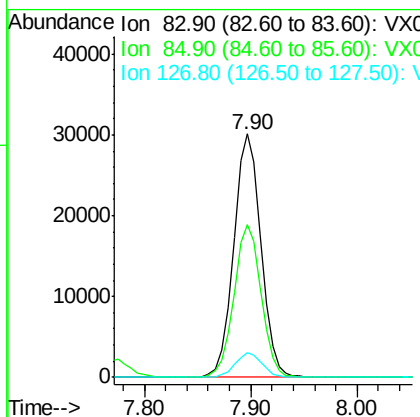
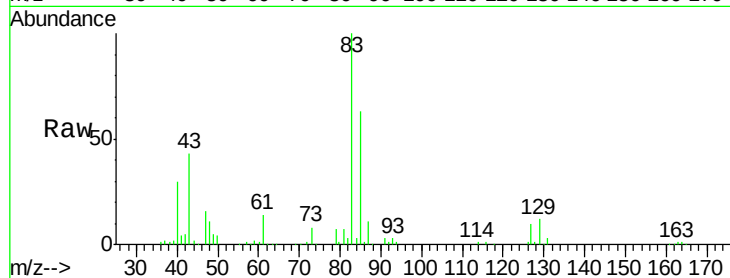
#47
 Bromodichloromethane
 Concen: 18.394 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX008136.D
 Acq: 16 Mar 2019 13:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.5	50.9	76.3	
127	10.3	7.4	11.0	

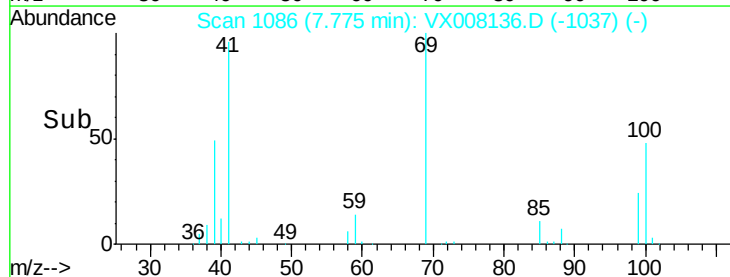
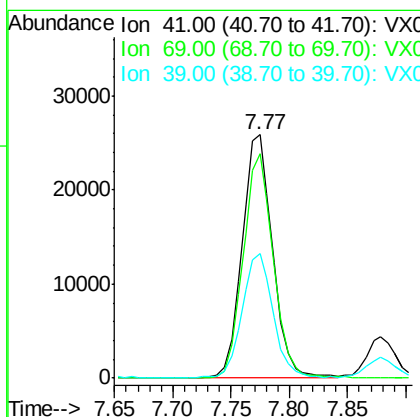
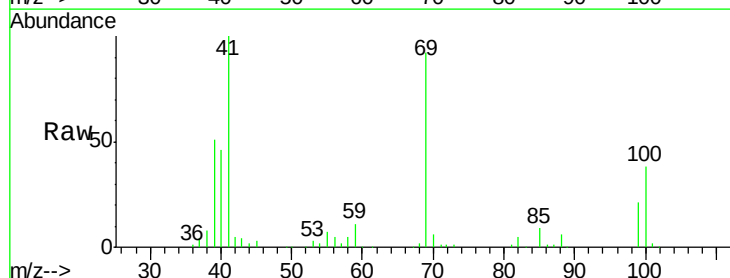
Manual Integrations
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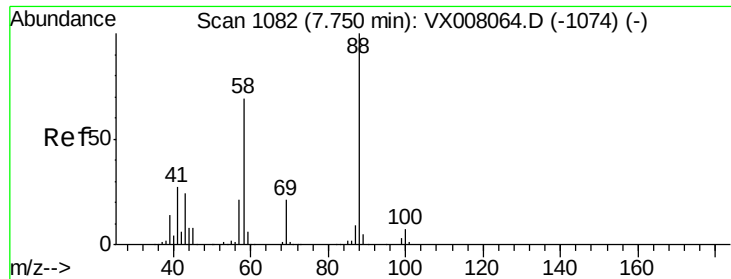
MMDadoda
 3/18/2019 10:36:54 AM



#48
 Methyl methacrylate
 Concen: 17.197 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX008136.D
 Acq: 16 Mar 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	90.8	65.2	97.8	
39	52.0	39.4	59.2	





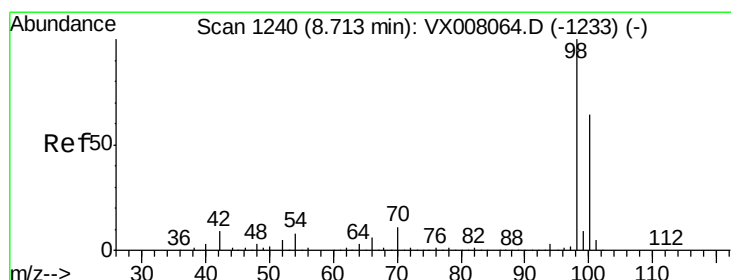
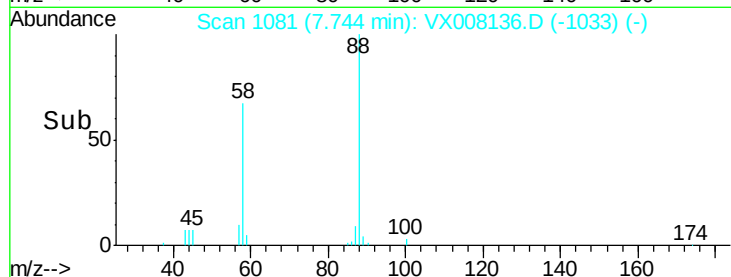
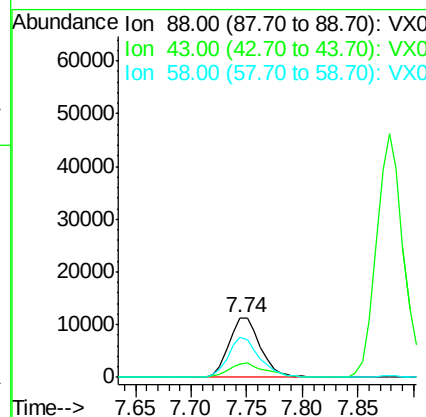
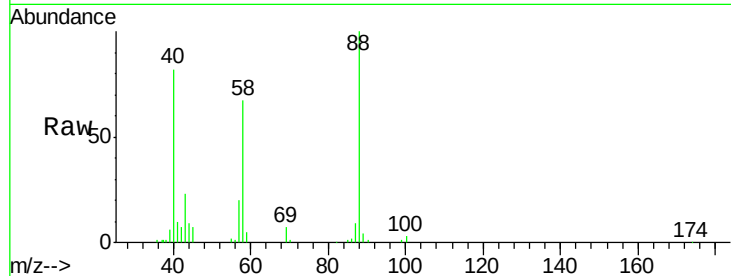
#49
1,4-Dioxane
Concen: 372.902 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	25.1	37.7
58	67.1	57.8	86.6

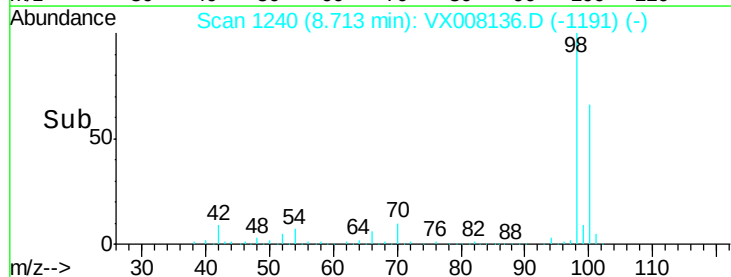
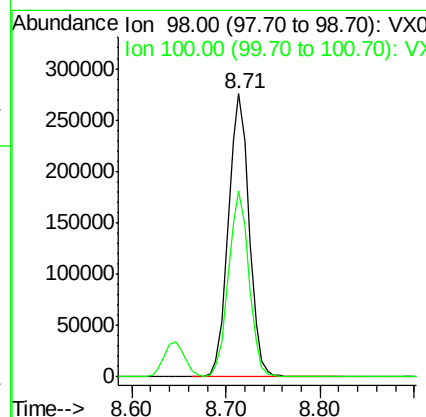
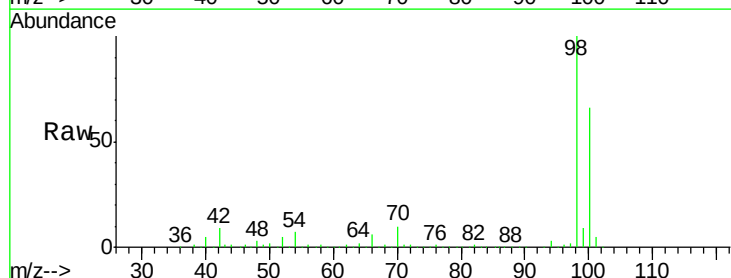
Manual Integrations
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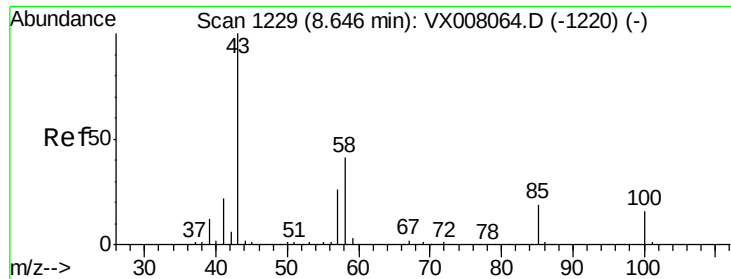
MMDadoda
3/18/2019 10:36:54 AM



#50
Toluene-d8
Concen: 46.946 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 87.569 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampled :

VX0316WBS01

Tot Ion: 43 Resp: 304334

Ion Ratio Lower Upper

43 100

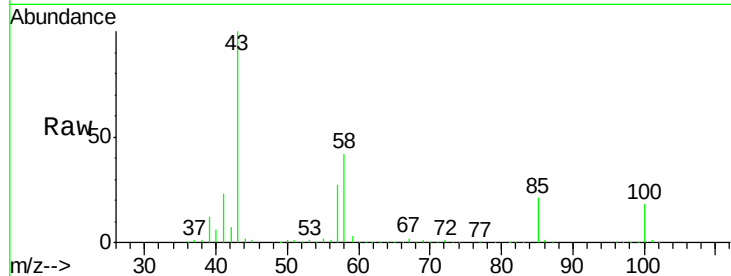
58 41.2 31.3 46.9

Manual Integrations

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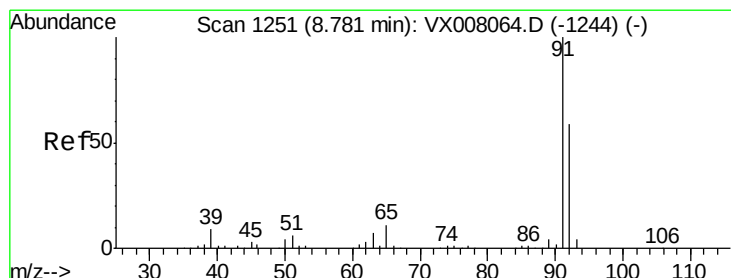
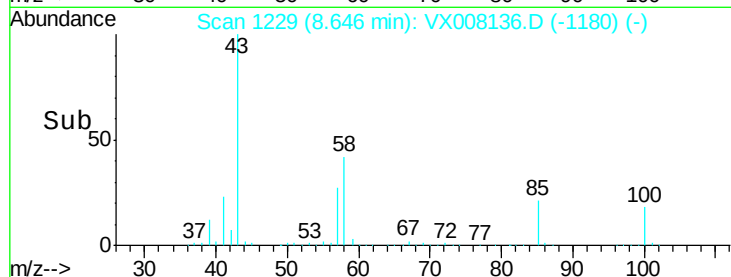
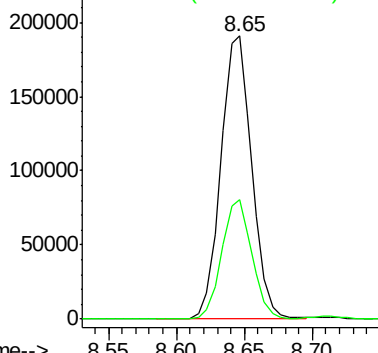
MMDadoda

3/18/2019 10:36:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.767 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX008136.D

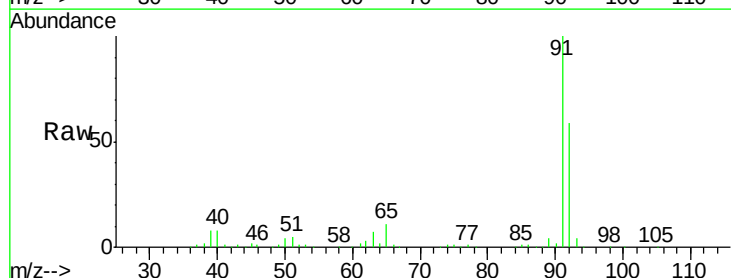
Acq: 16 Mar 2019 13:08

Tgt Ion: 92 Resp: 111338

Ion Ratio Lower Upper

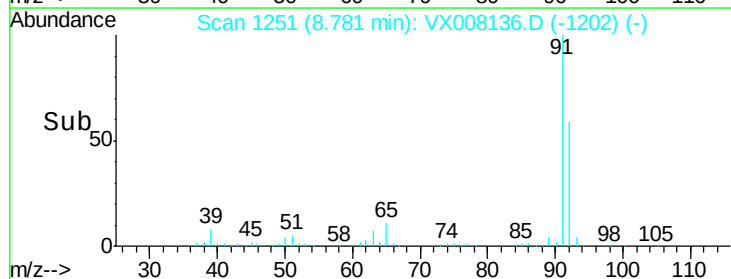
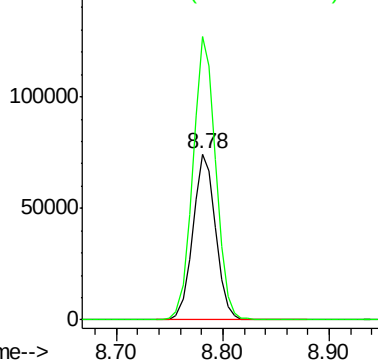
92 100

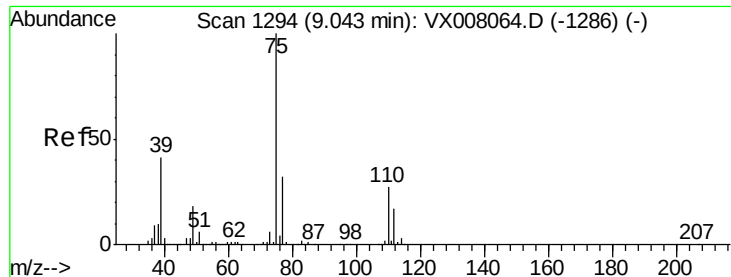
91 171.5 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 18.013 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBS01

Tot Ion: 75 Resp: 57957

Ion Ratio Lower Upper

75 100

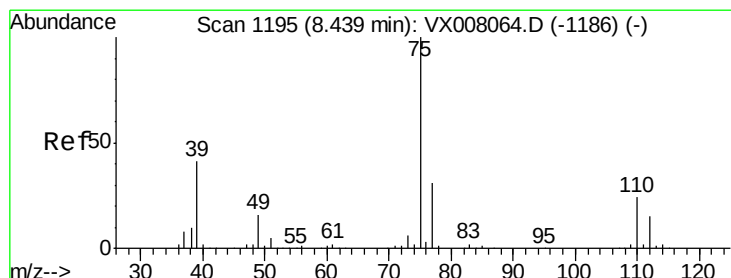
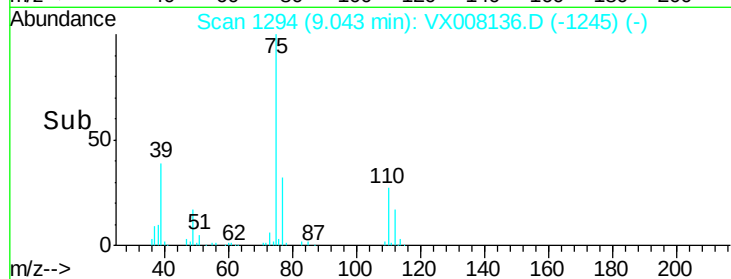
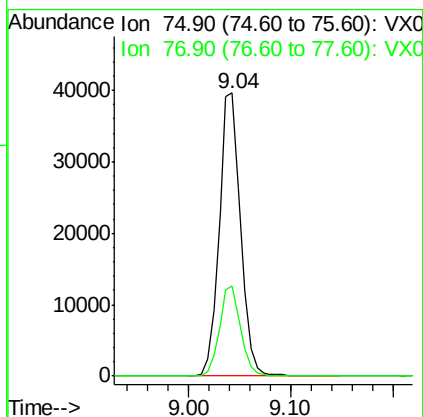
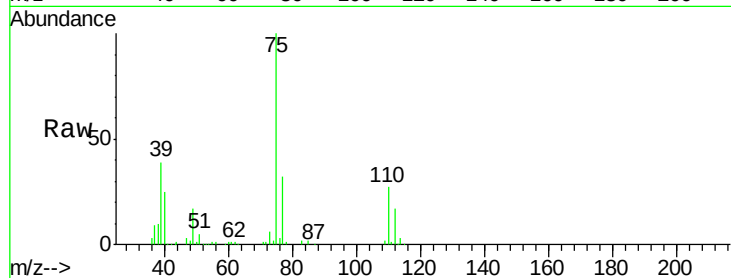
77 31.9 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.308 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.01 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

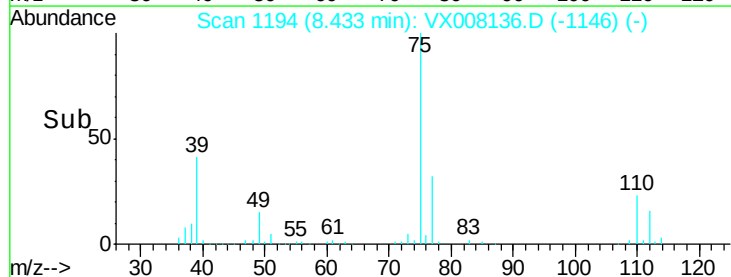
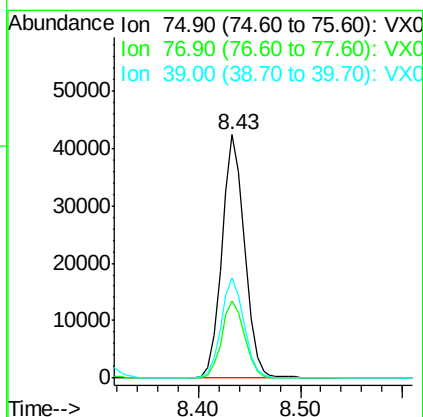
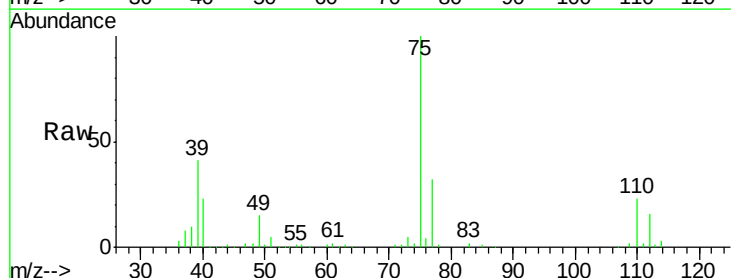
Tgt Ion: 75 Resp: 65464

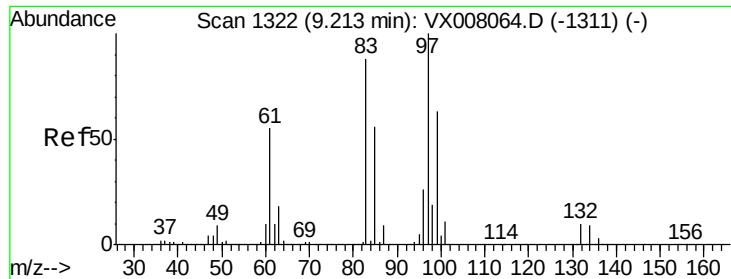
Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6

39 41.0 36.6 54.8





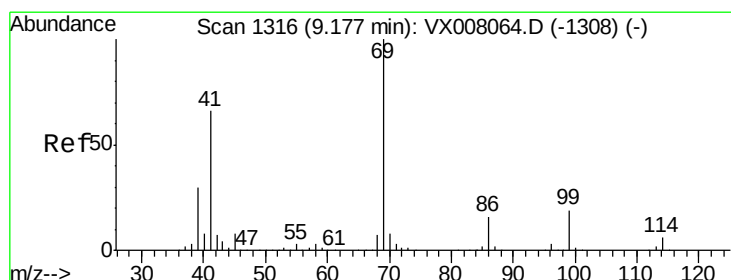
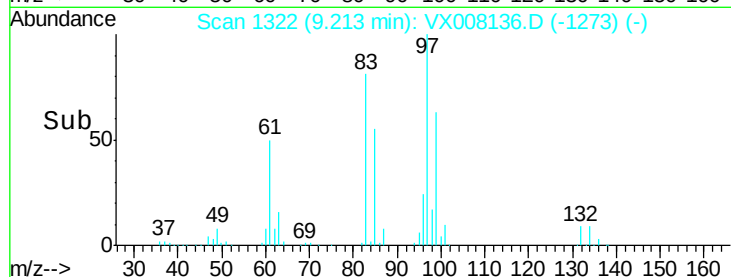
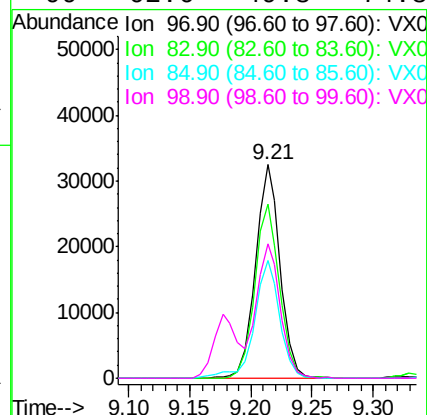
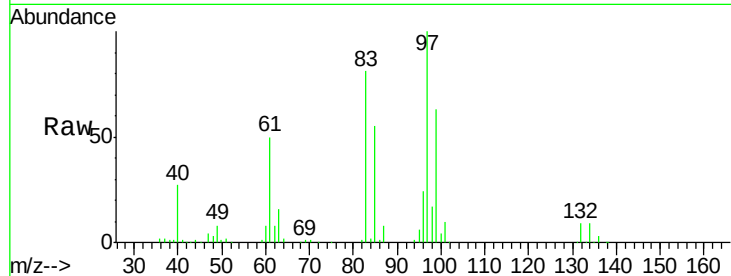
#55
 1,1,2-Trichloroethane
 Concen: 18.884 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008136.D
 Acq: 16 Mar 2019 13:08

Instrument :
 MSVOA_X
 ClientSampled :
 VX0316WBS01

Tot Ion:	97	Resp:	45616
Ion	Ratio	Lower	Upper
97	100		
83	81.3	69.1	103.7
85	55.3	44.3	66.5
99	62.6	49.8	74.8

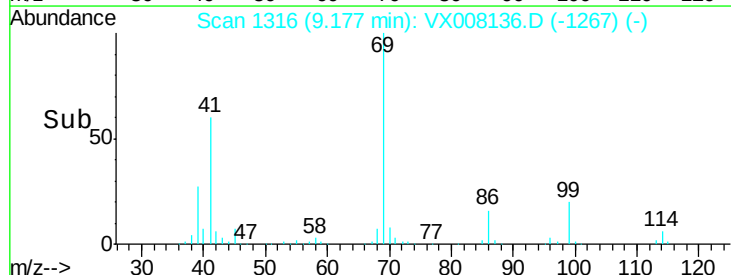
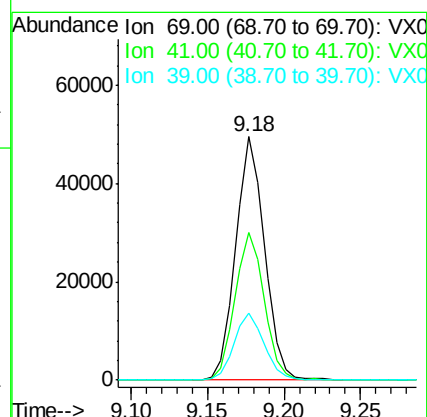
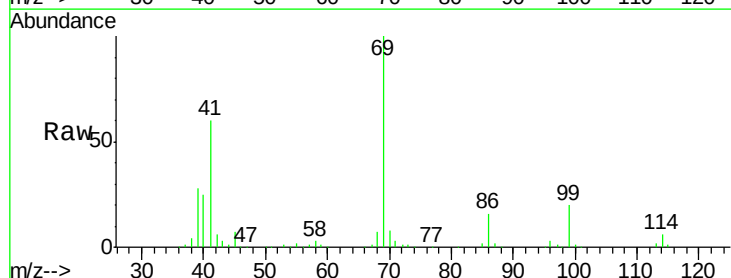
Manual Integrations
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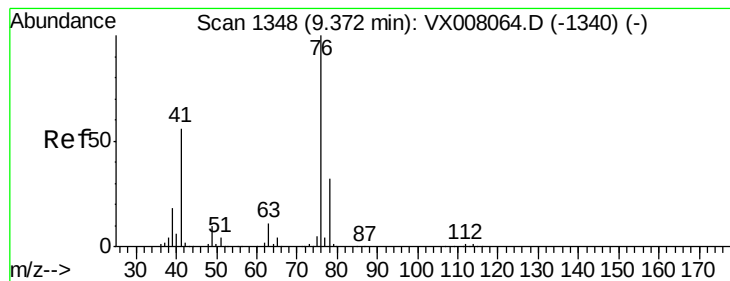
MMDadoda
 3/18/2019 10:36:54 AM



#56
 Ethyl methacrylate
 Concen: 18.183 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008136.D
 Acq: 16 Mar 2019 13:08

Tgt Ion:	69	Resp:	64882
Ion	Ratio	Lower	Upper
69	100		
41	61.6	54.2	81.4
39	29.2	25.0	37.4





#57

1,3-Dichloropropane

Concen: 18.172 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBS01

Tot Ion: 76 Resp: 72645

Ion Ratio Lower Upper

76 100

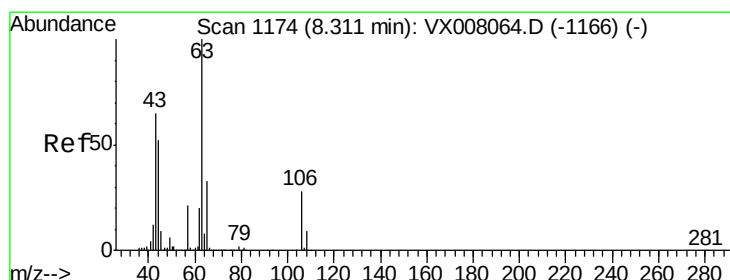
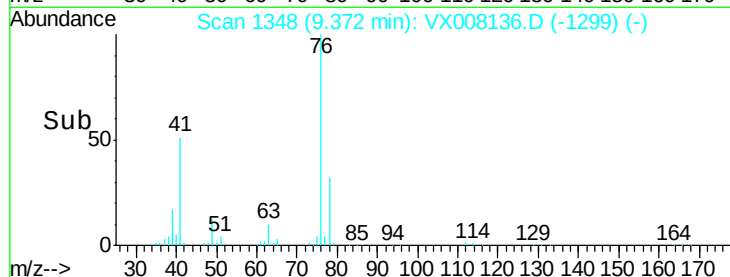
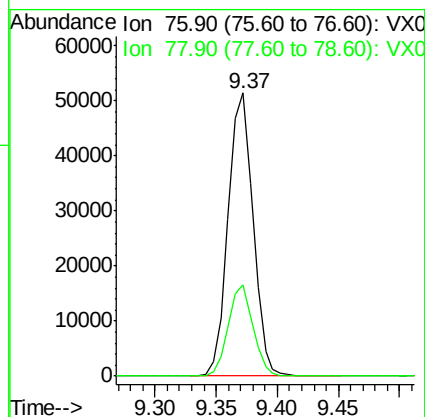
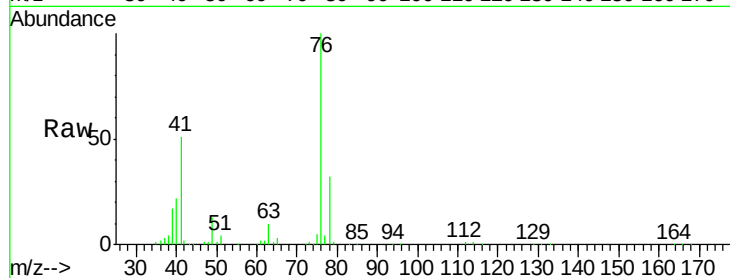
78 32.1 25.5 38.3

Manual Integrations

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3/18/2019 10:36:54 AM



#58

2-Chloroethyl Vinyl ether

Concen: 90.144 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008136.D

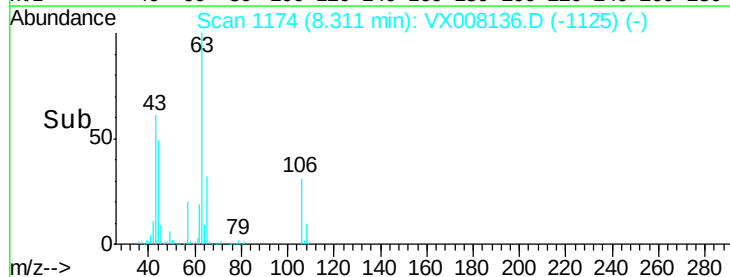
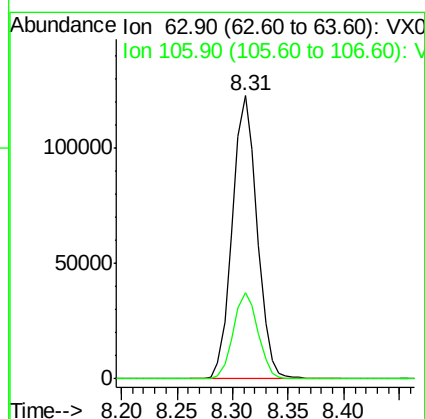
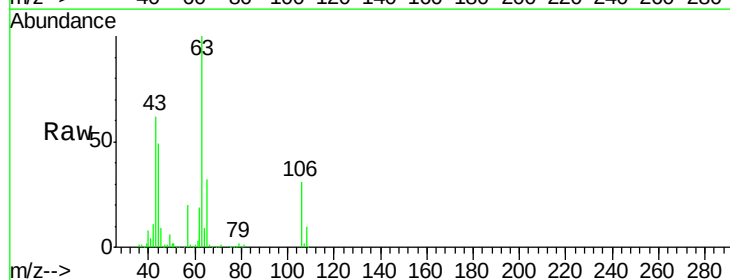
Acq: 16 Mar 2019 13:08

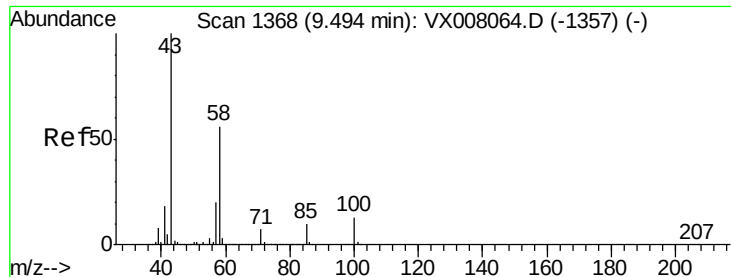
Tgt Ion: 63 Resp: 189231

Ion Ratio Lower Upper

63 100

106 30.4 22.2 33.2





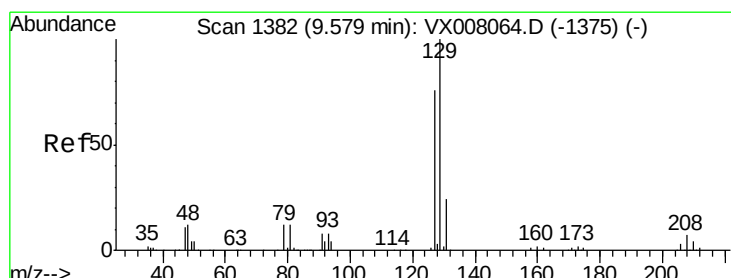
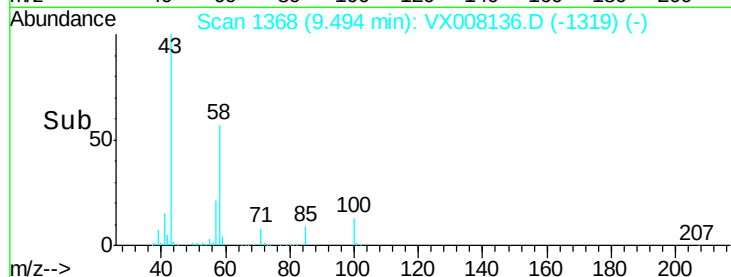
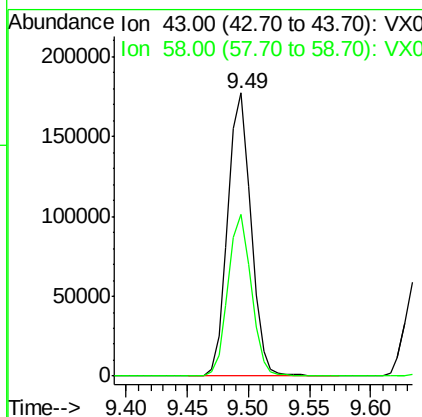
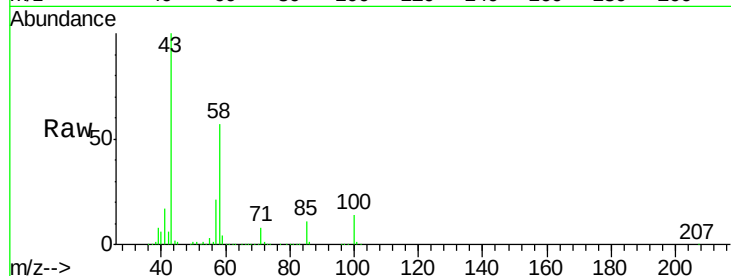
#59
2-Hexanone
Concen: 86.298 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBS01

Tot Ion	43	Resp	234556
Ion Ratio	100	Lower	Upper
43	100		
58	56.9	27.6	82.7

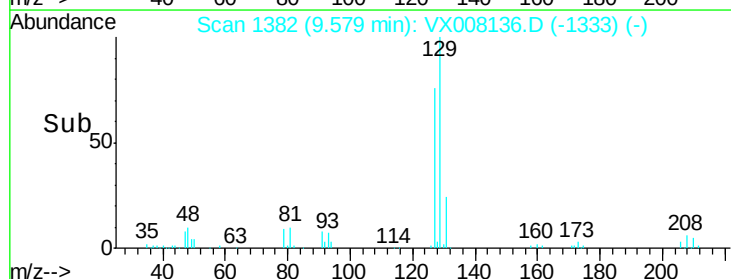
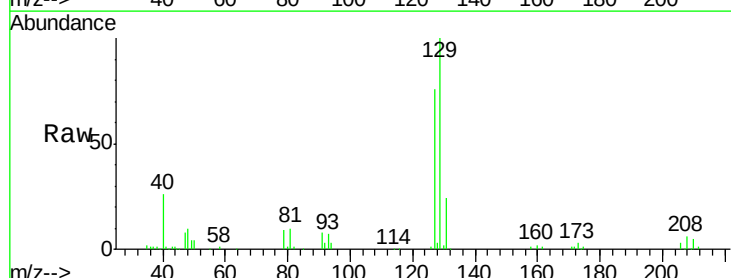
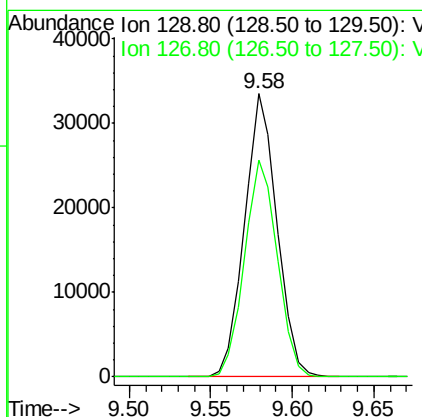
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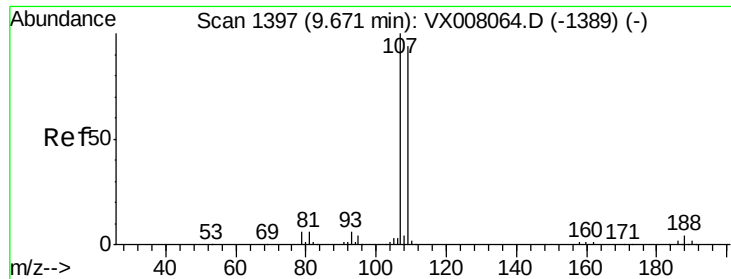
MMDadoda
3/18/2019 10:36:54 AM



#60
Dibromochloromethane
Concen: 18.652 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Tgt Ion	129	Resp	46438
Ion Ratio	100	Lower	Upper
129	100		
127	77.5	38.3	114.8





#61

1,2-Dibromoethane

Concen: 18.875 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBS01

Tot Ion:107 Resp: 47775

Ion Ratio Lower Upper

107 100

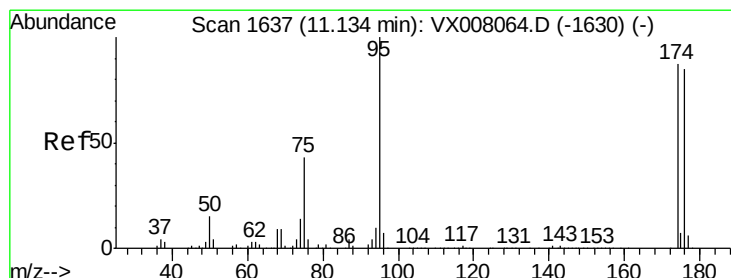
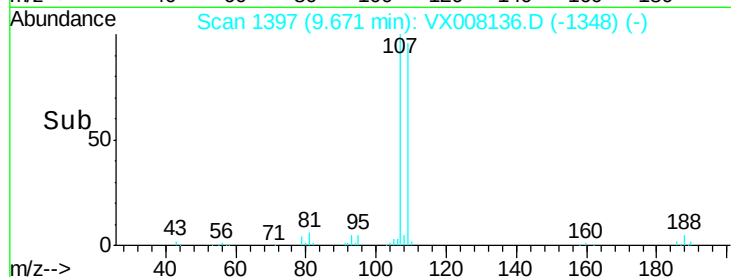
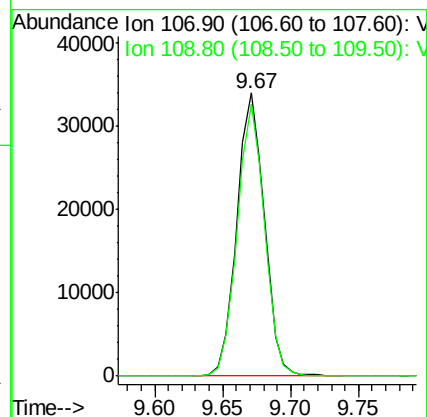
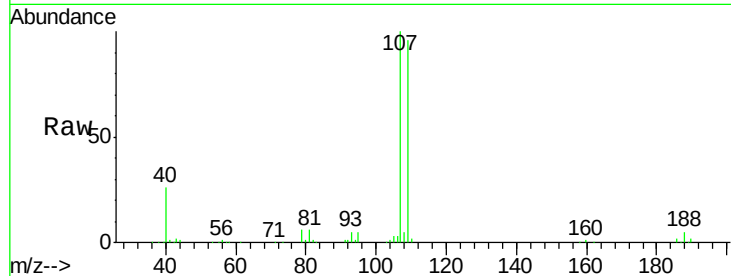
109 95.3 75.8 113.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 47.037 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

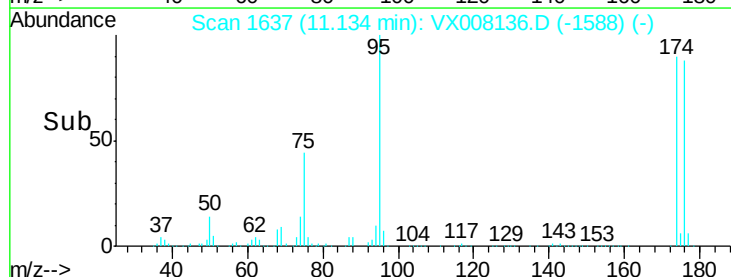
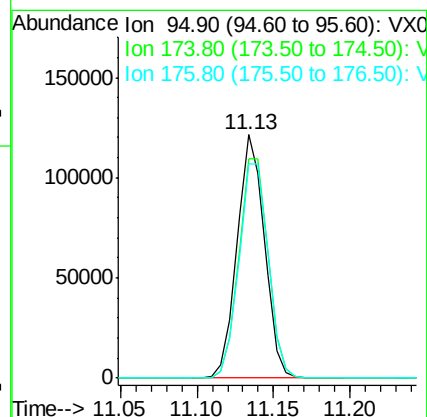
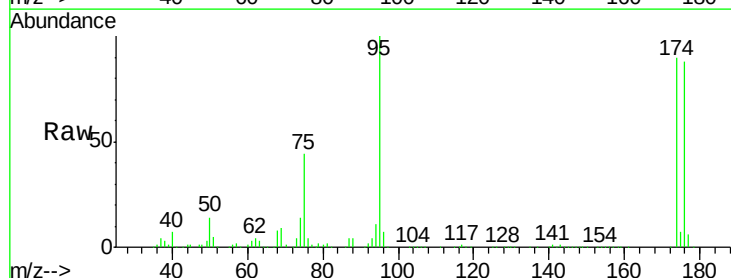
Tgt Ion: 95 Resp: 150501

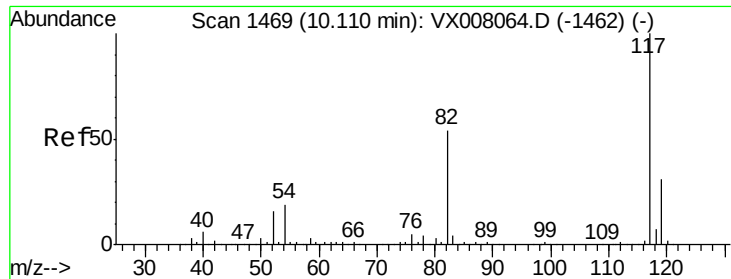
Ion Ratio Lower Upper

95 100

174 97.0 0.0 182.8

176 94.4 0.0 178.0





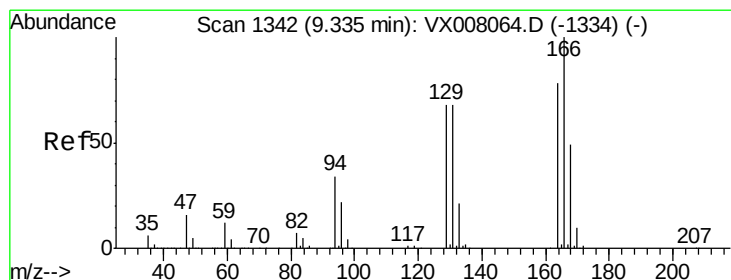
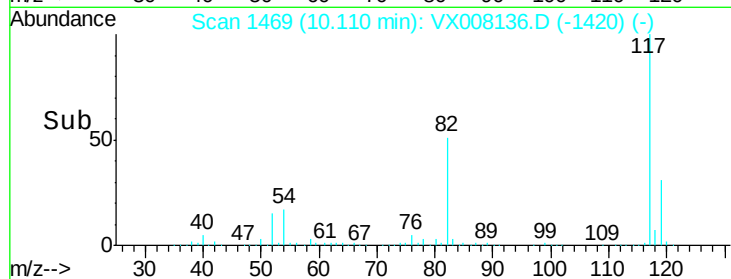
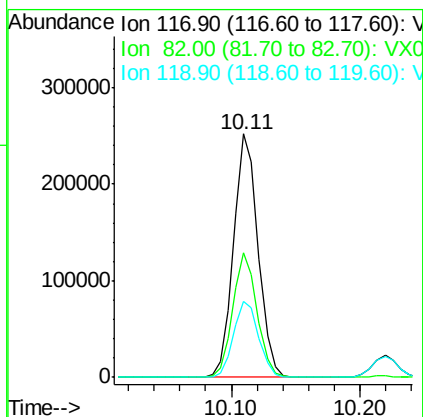
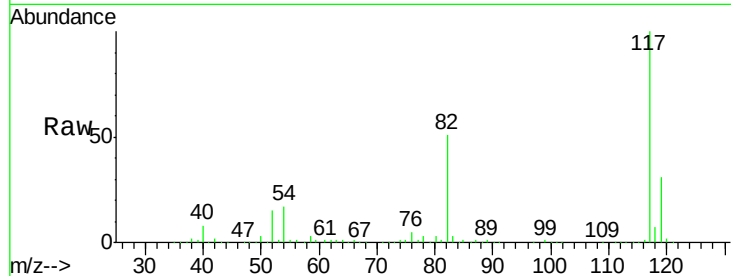
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	44.3	66.5
119	31.2	25.3	37.9

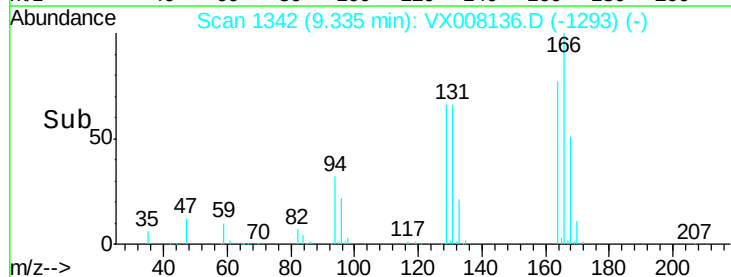
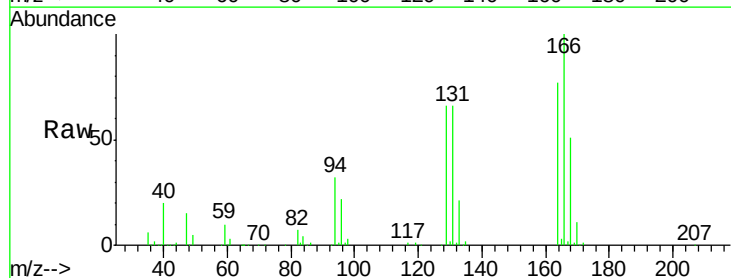
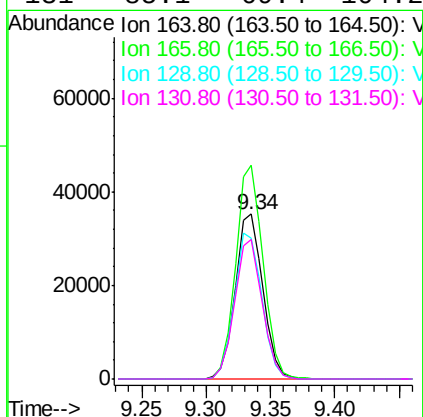
Manual Integrations
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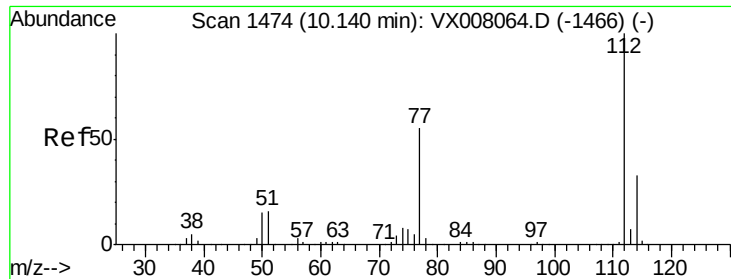
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3/18/2019 10:36:54 AM



#64
Tetrachloroethene
Concen: 19.335 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.4	155.0
129	85.4	72.2	108.4
131	85.1	69.4	104.2





#65

Chlorobenzene

Concen: 19.024 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampled :

VX0316WBS01

Tot Ion:112 Resp: 126386

Ion Ratio Lower Upper

112 100

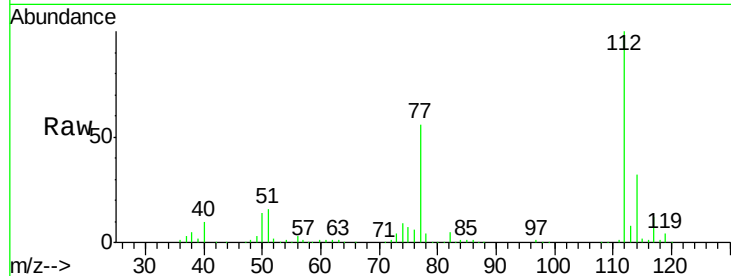
114 32.4 26.0 39.0

Manual Integrations

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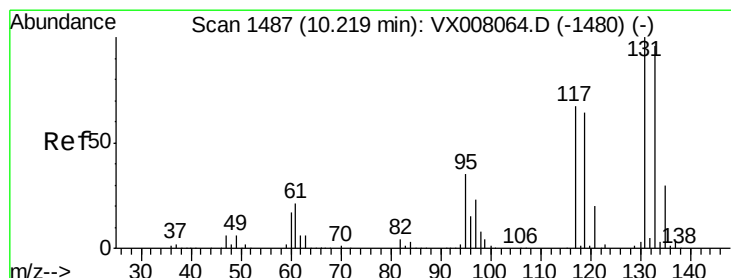
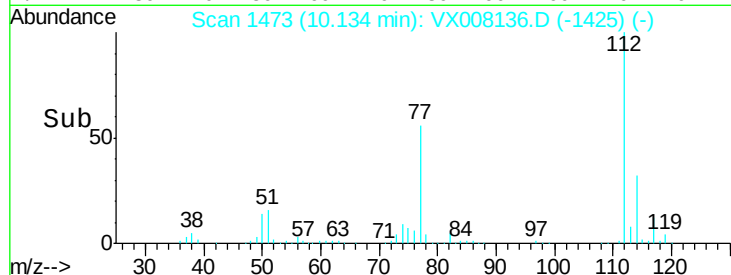
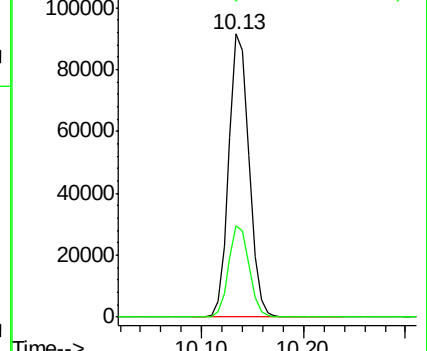
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.389 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

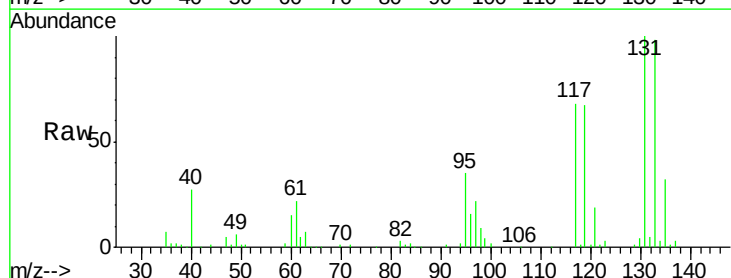
Tgt Ion:131 Resp: 45715

Ion Ratio Lower Upper

131 100

133 96.5 47.8 143.3

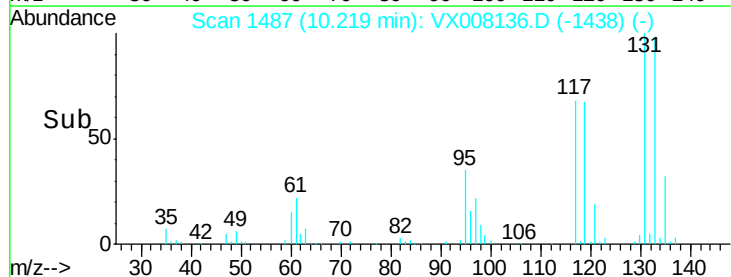
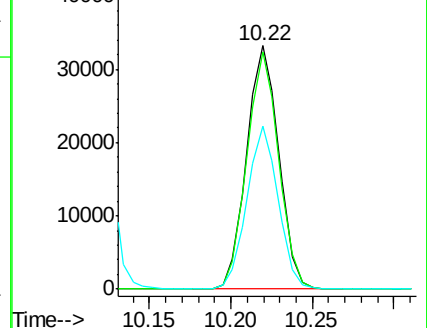
119 65.2 32.5 97.5

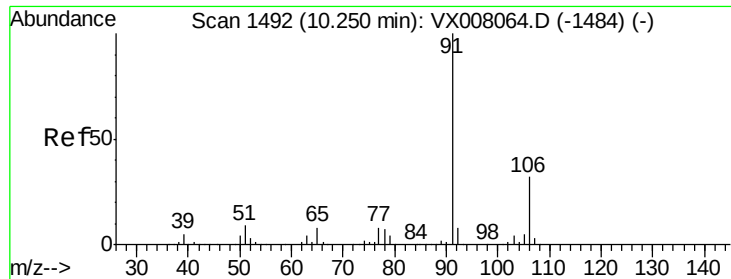


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.490 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBS01

Tot Ion: 91 Resp: 203322

Ion Ratio Lower Upper

91 100

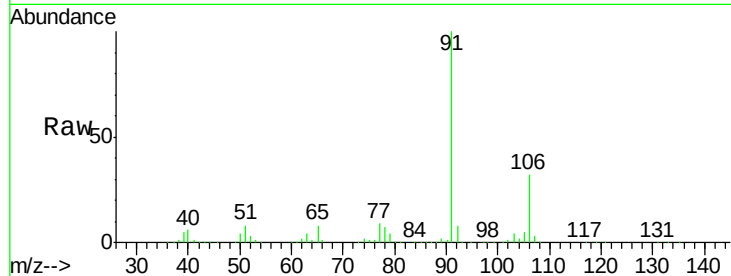
106 32.0 25.2 37.8

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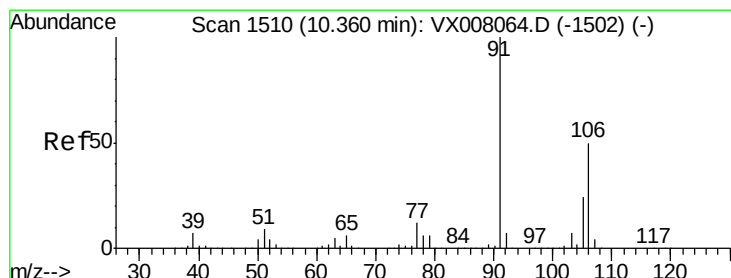
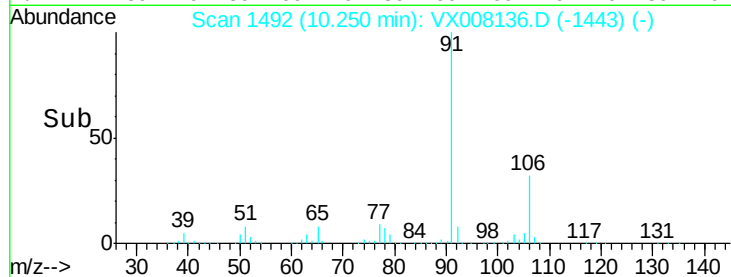
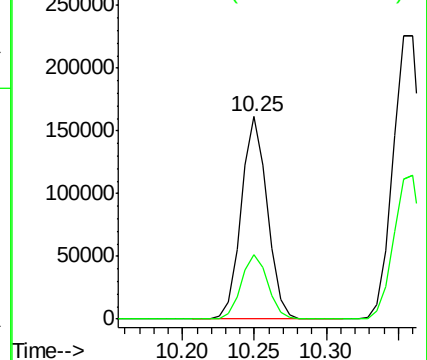
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.083 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008136.D

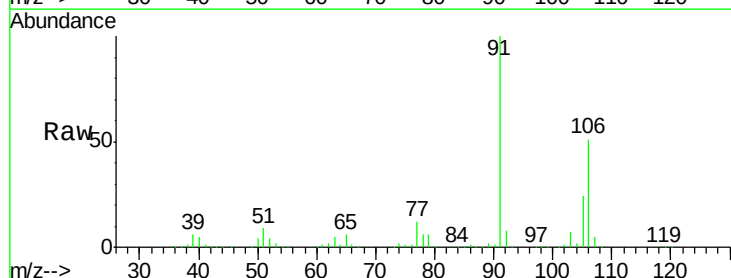
Acq: 16 Mar 2019 13:08

Tgt Ion: 106 Resp: 160244

Ion Ratio Lower Upper

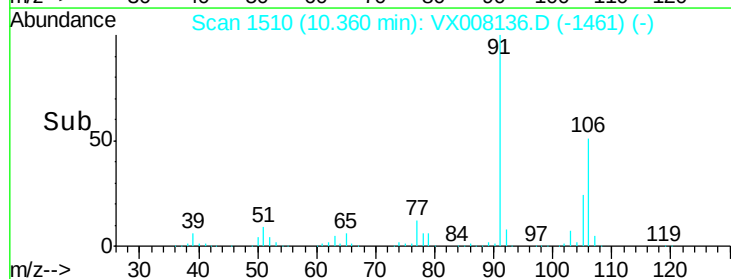
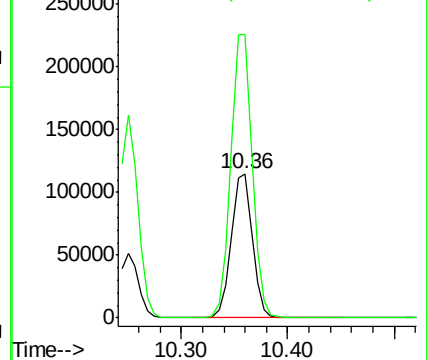
106 100

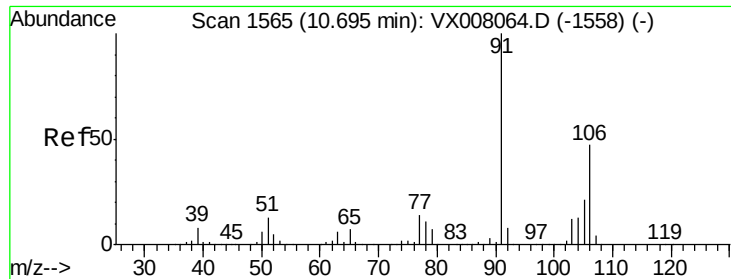
91 200.0 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





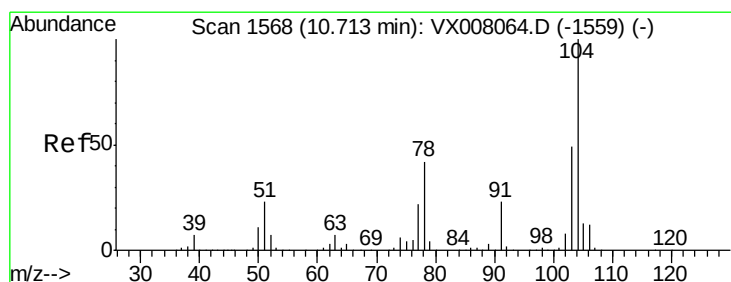
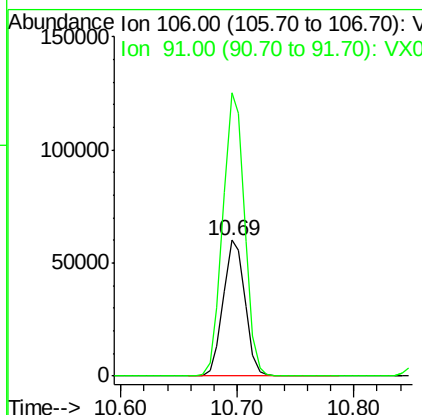
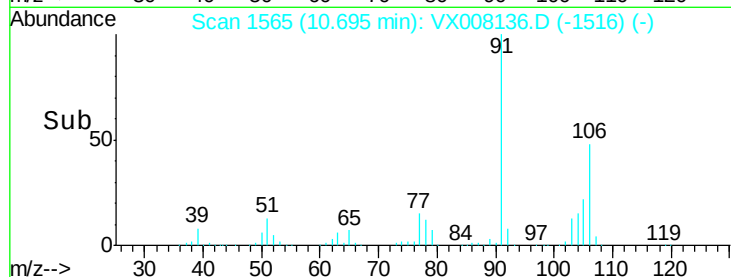
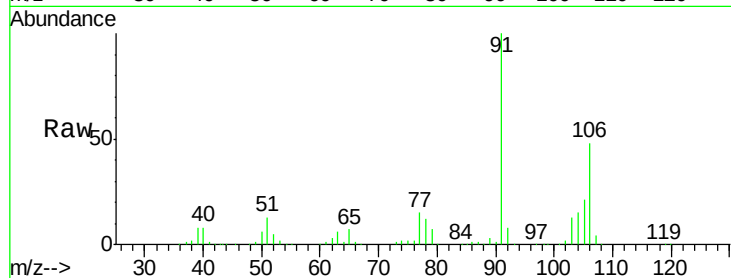
#69
o-Xylene
Concen: 18.983 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Instrument :
MSVOA_X
ClientSampled :
VX0316WBS01

Tot Ion:106 Resp: 77868
Ion Ratio Lower Upper
106 100
91 208.4 106.3 318.9

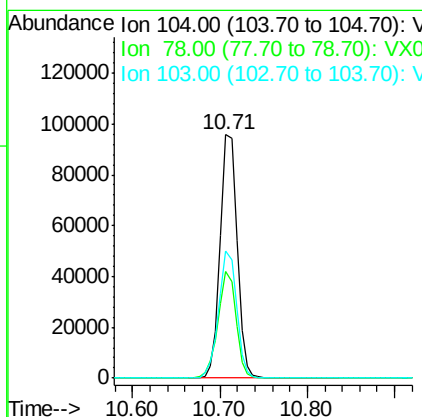
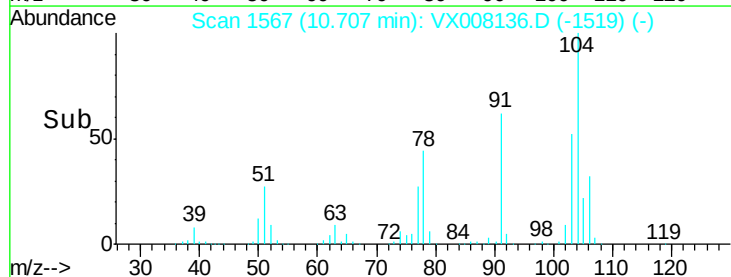
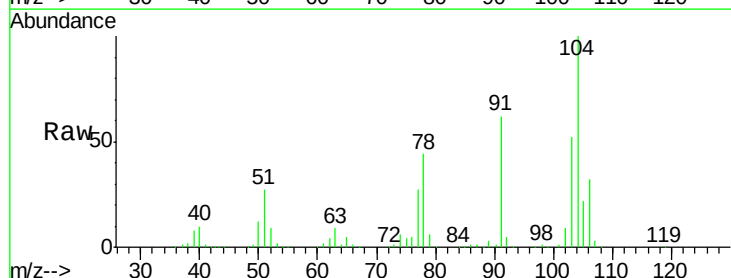
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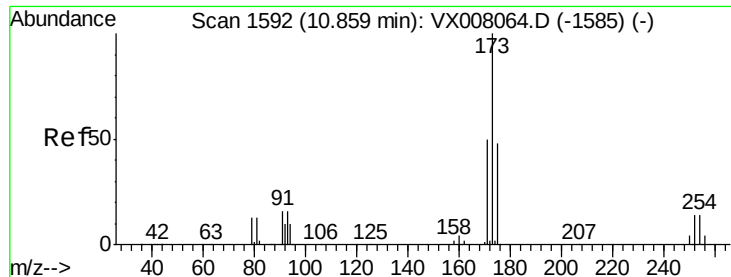
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#70
Styrene
Concen: 19.148 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Tgt Ion:104 Resp: 128669
Ion Ratio Lower Upper
104 100
78 46.6 38.5 57.7
103 55.3 44.1 66.1





#71

Bromoform

Concen: 19.271 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBS01

Tot Ion:173 Resp: 37601

Ion Ratio Lower Upper

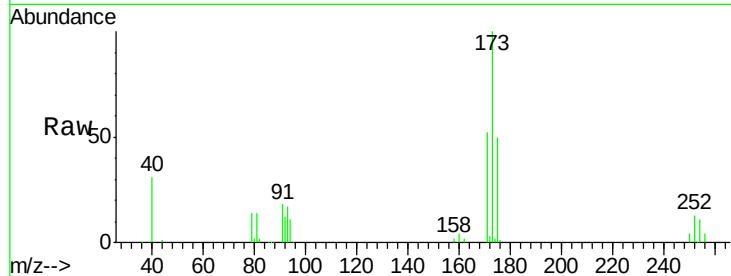
173 100

175 48.7 24.3 72.9

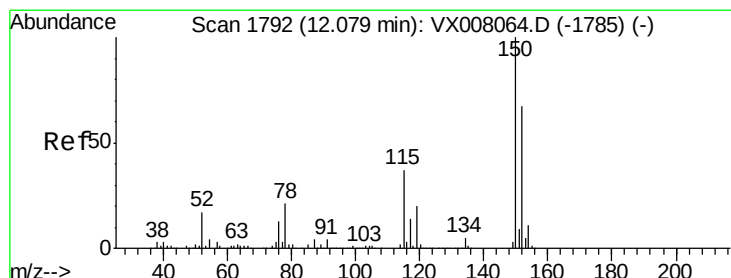
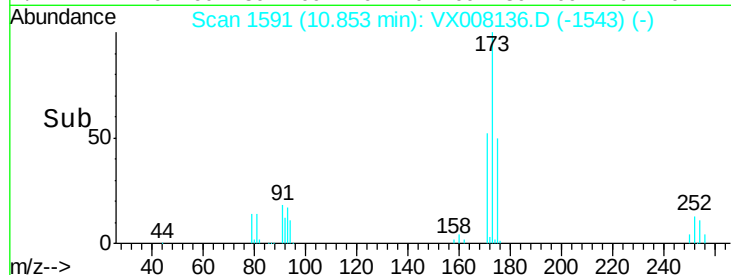
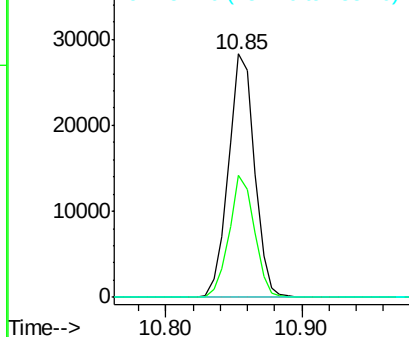
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

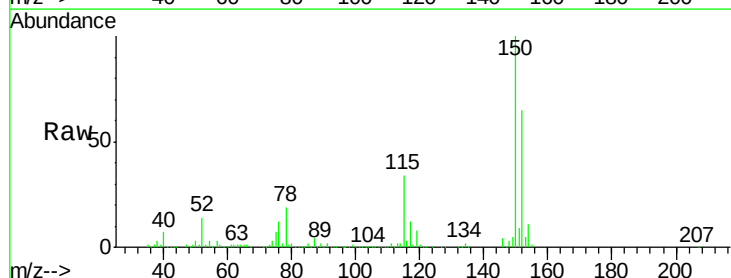
Tgt Ion:152 Resp: 173755

Ion Ratio Lower Upper

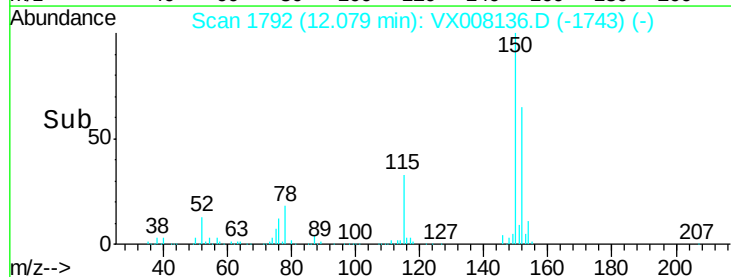
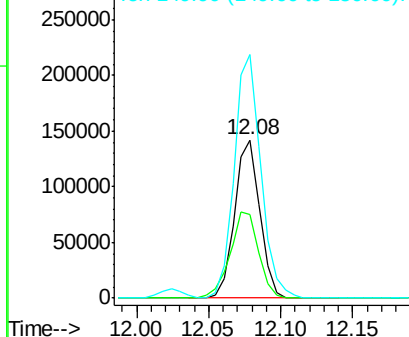
152 100

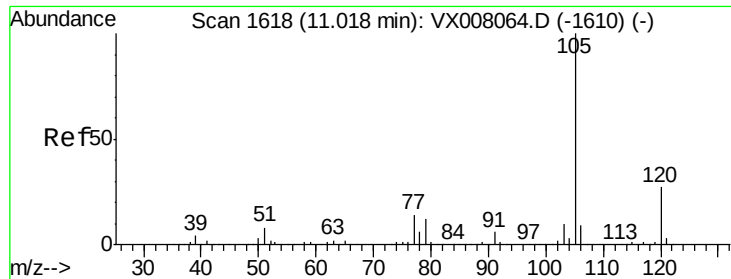
115 61.8 38.6 115.7

150 162.6 0.0 348.4



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





#73

Isopropylbenzene

Concen: 18.958 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBS01

Tot Ion:105 Resp: 210981

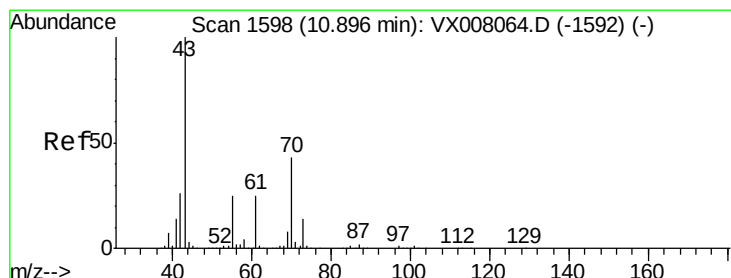
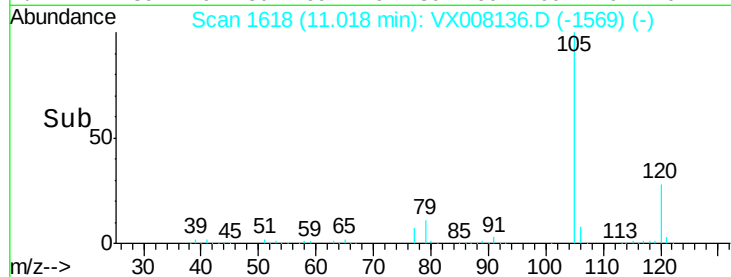
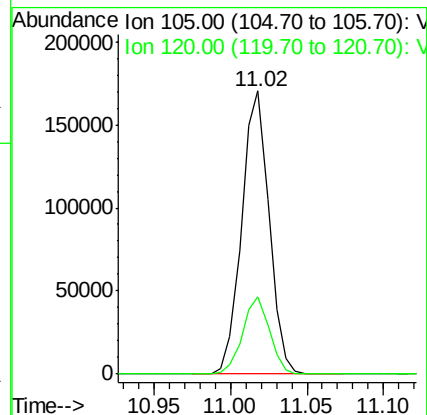
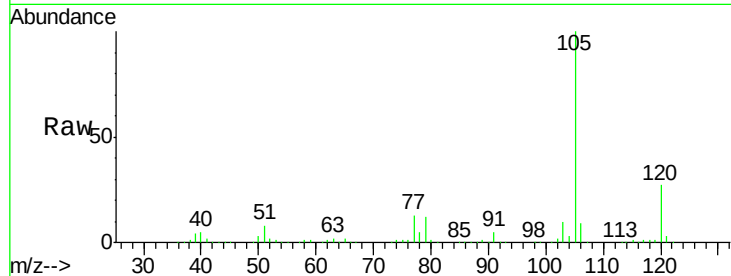
Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.1

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#74

N-ethyl acetate

Concen: 16.186 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Tgt Ion: 43 Resp: 75985

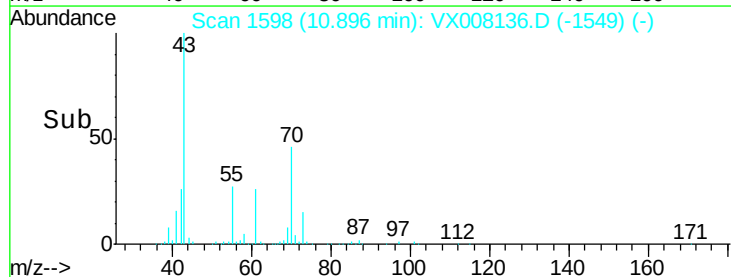
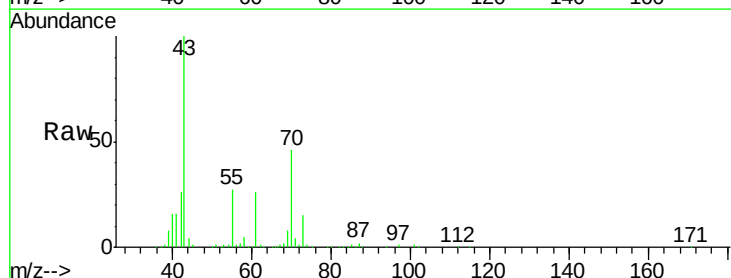
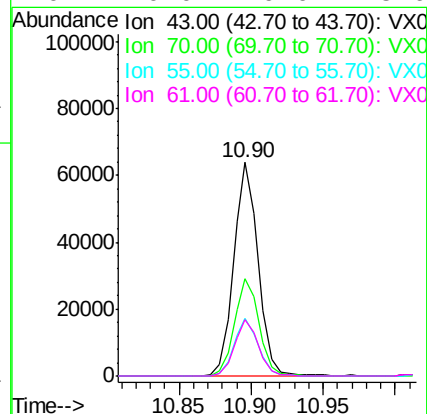
Ion Ratio Lower Upper

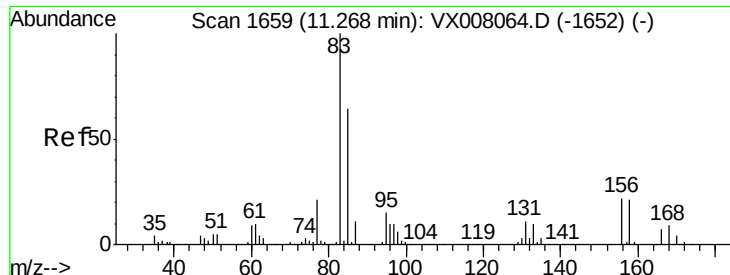
43 100

70 46.3 33.5 50.3

55 27.0 19.2 28.8

61 26.0 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.110 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBS01

Tot Ion: 83 Resp: 66038

Ion Ratio Lower Upper

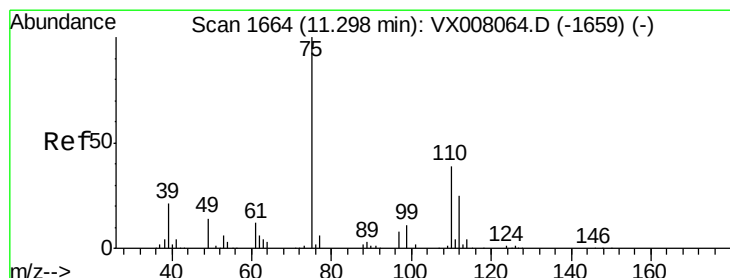
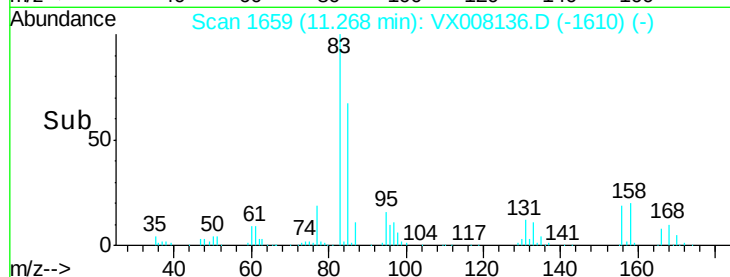
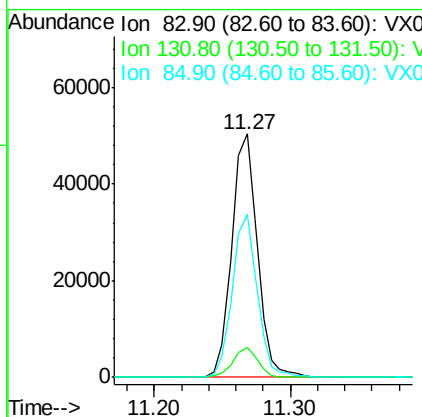
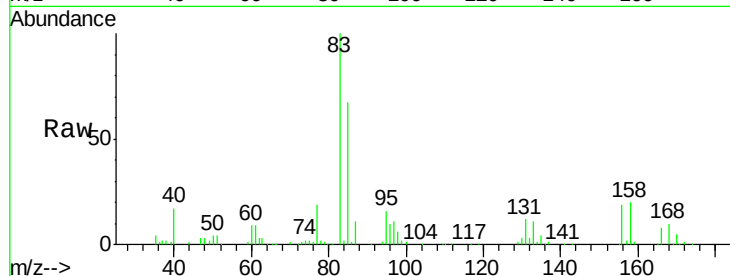
83 100

131 11.8 5.4 16.2

85 65.4 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.342 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX008136.D

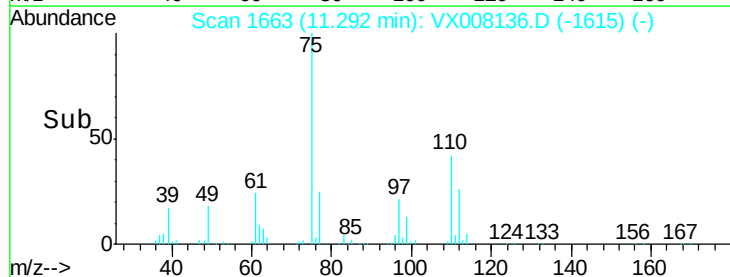
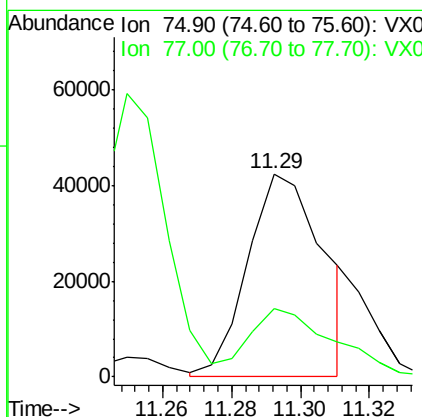
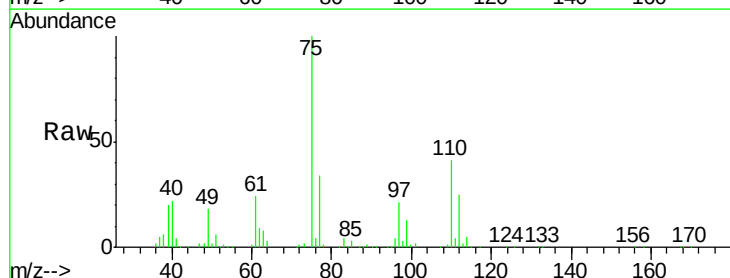
Acq: 16 Mar 2019 13:08

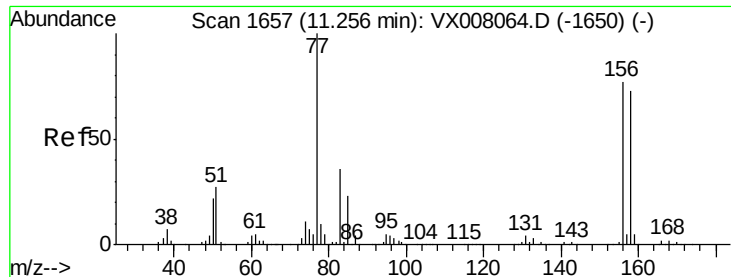
Tgt Ion: 75 Resp: 64403

Ion Ratio Lower Upper

75 100

77 38.3 18.9 56.7





#77

Bromobenzene

Concen: 19.246 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBS01

Tot Ion:156 Resp: 58462

Ion Ratio Lower Upper

156 100

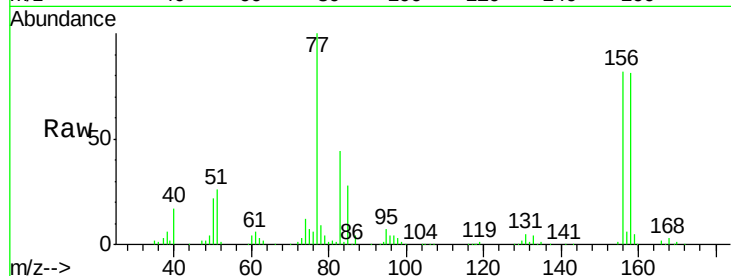
77 131.9 72.0 215.9

158 98.2 48.6 145.9

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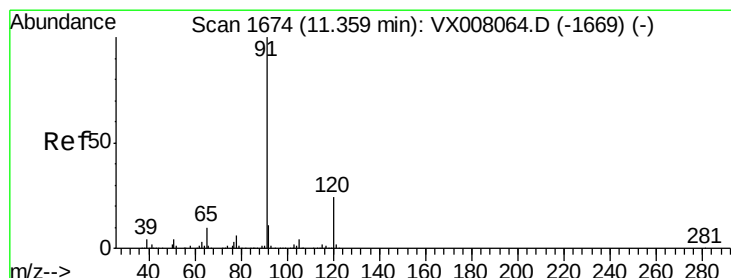
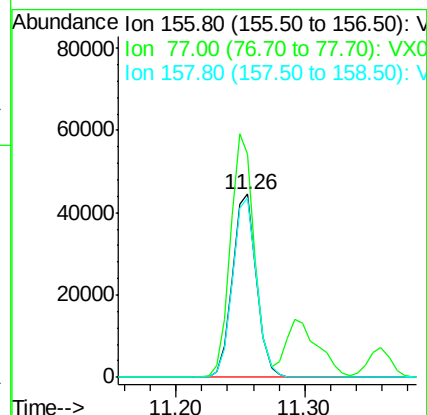
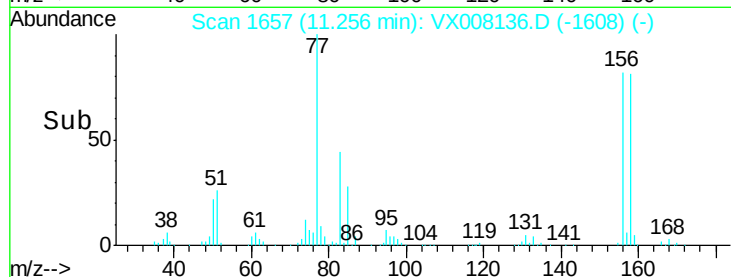
3/18/2019 10:36:54 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.908 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008136.D

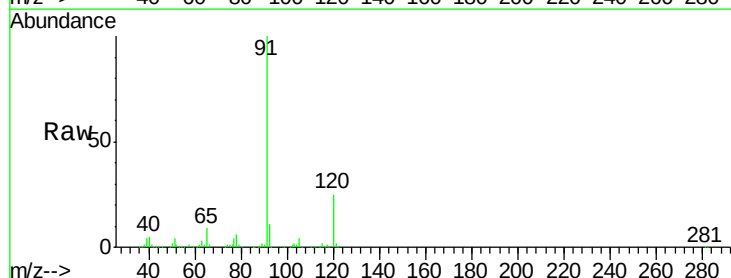
Acq: 16 Mar 2019 13:08

Tgt Ion: 91 Resp: 230863

Ion Ratio Lower Upper

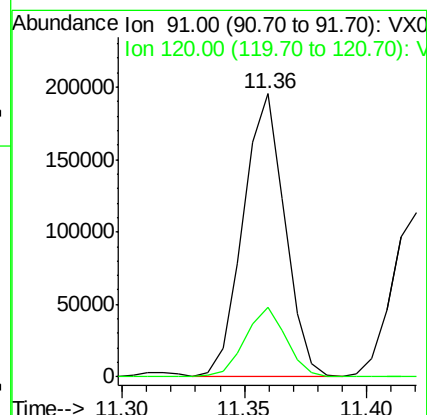
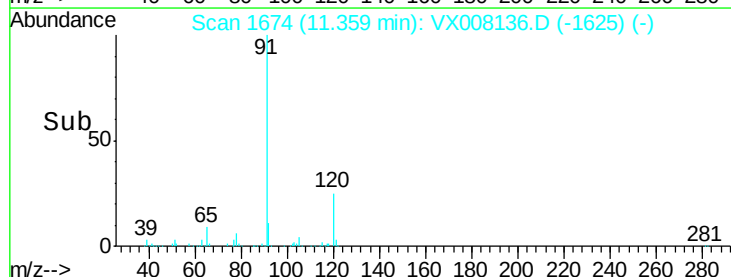
91 100

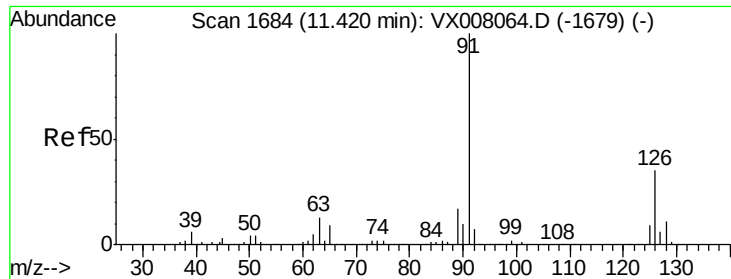
120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.826 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampled :

VX0316WBS01

Tot Ion: 91 Resp: 140379

Ion Ratio Lower Upper

91 100

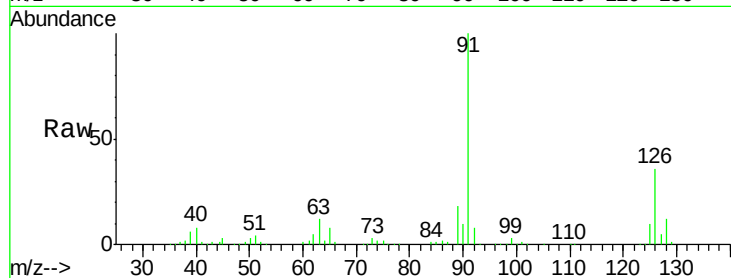
126 36.2 17.5 52.6

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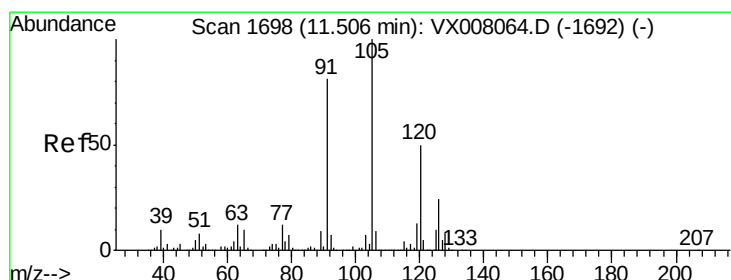
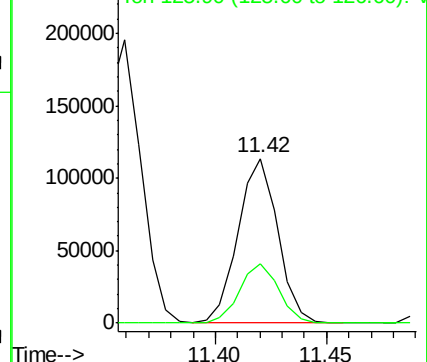
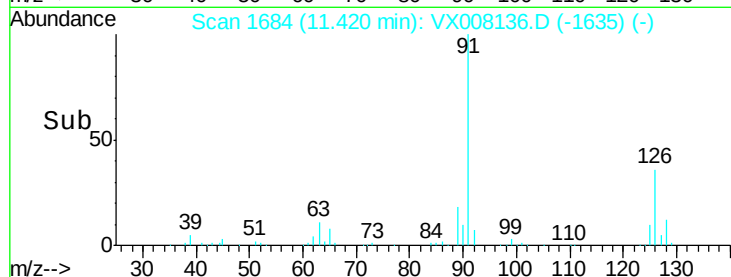
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.368 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008136.D

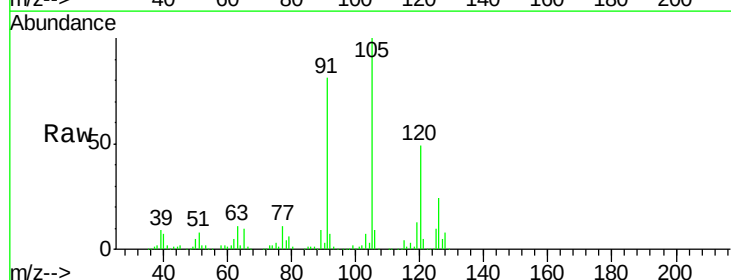
Acq: 16 Mar 2019 13:08

Tgt Ion:105 Resp: 177610

Ion Ratio Lower Upper

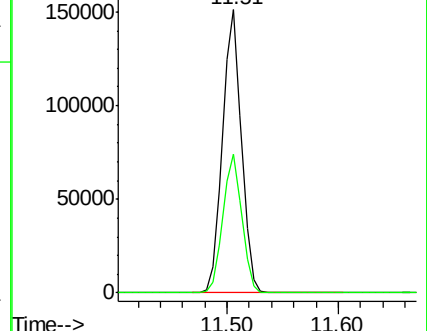
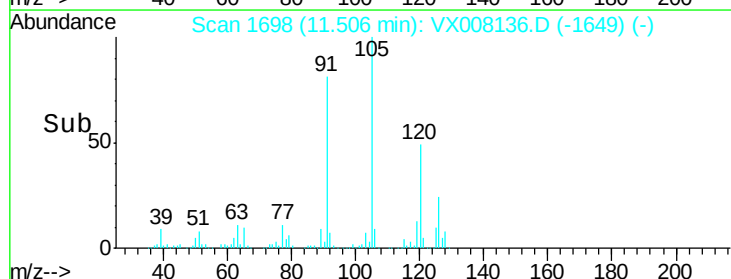
105 100

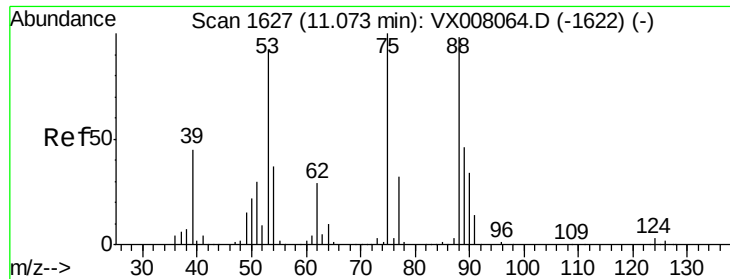
120 49.4 24.9 74.6



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: 17.055 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampled :

VX0316WBS01

Tot Ion: 75 Resp: 18086

Ion Ratio Lower Upper

75 100

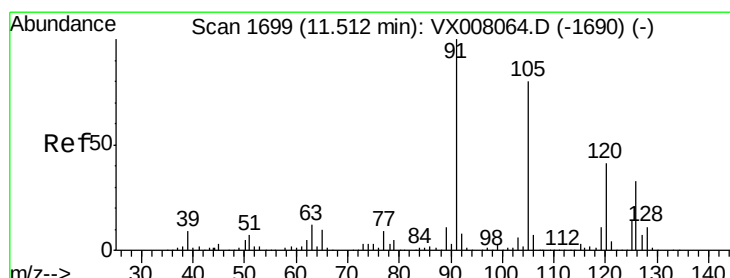
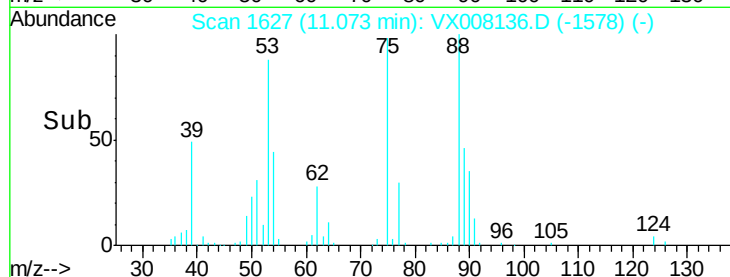
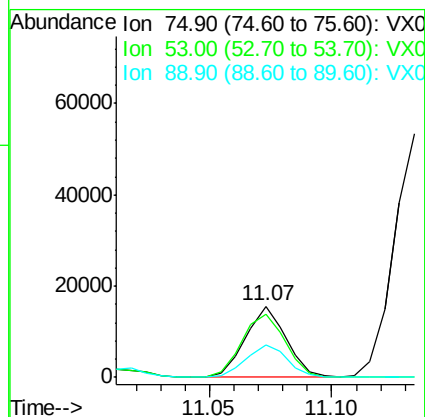
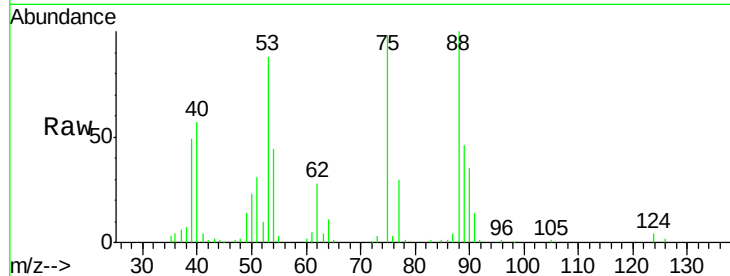
53 96.2 76.1 114.1

89 47.1 36.3 54.5

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#82

4-Chlorotoluene

Concen: 18.819 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008136.D

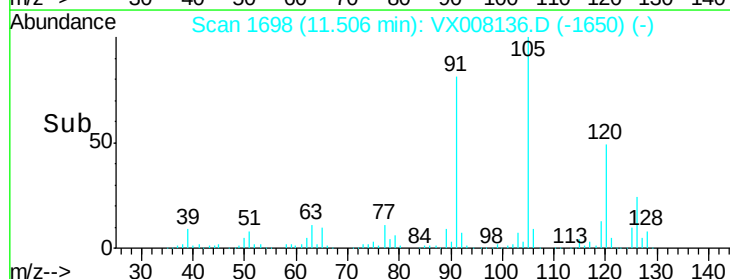
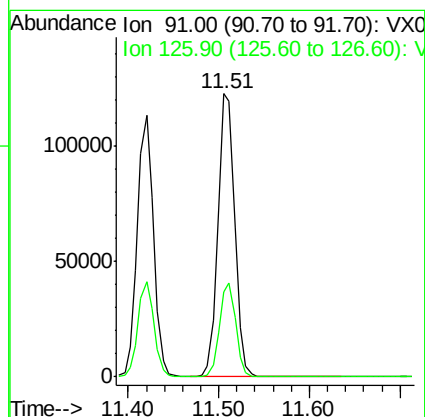
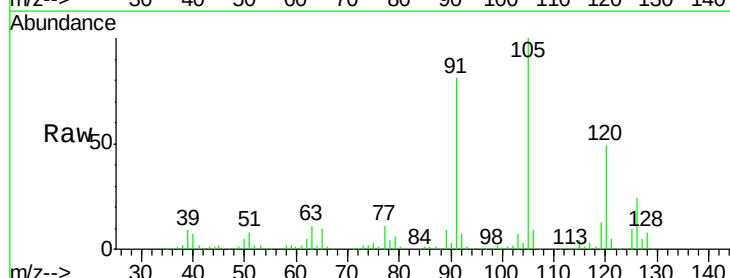
Acq: 16 Mar 2019 13:08

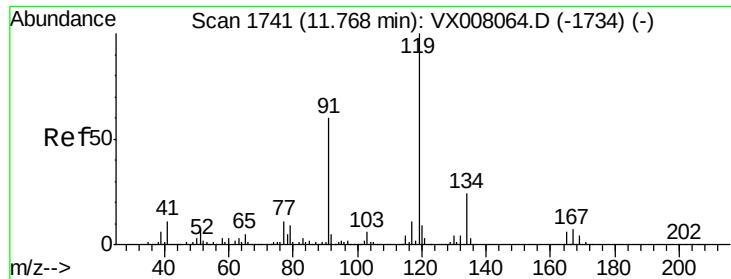
Tgt Ion: 91 Resp: 160713

Ion Ratio Lower Upper

91 100

126 31.9 15.6 46.8





#83

tert-Butylbenzene

Concen: 18.845 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

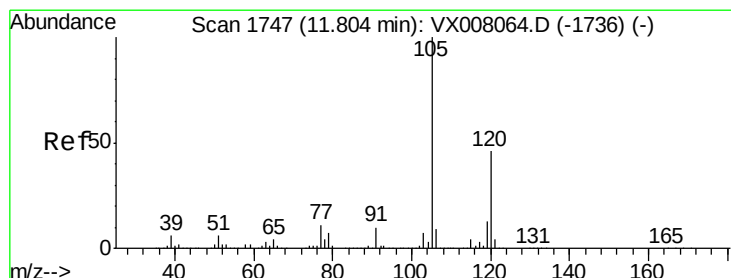
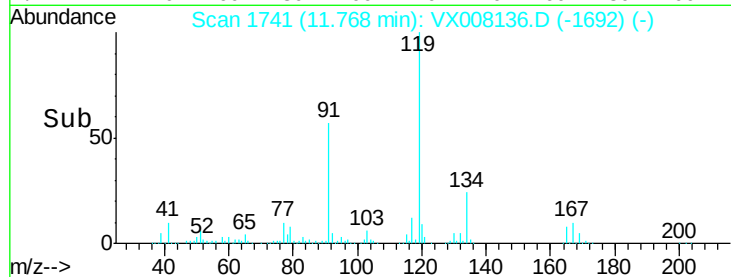
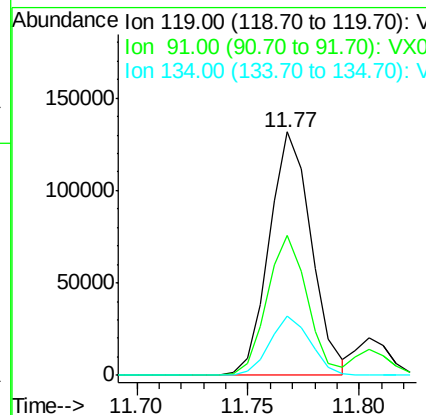
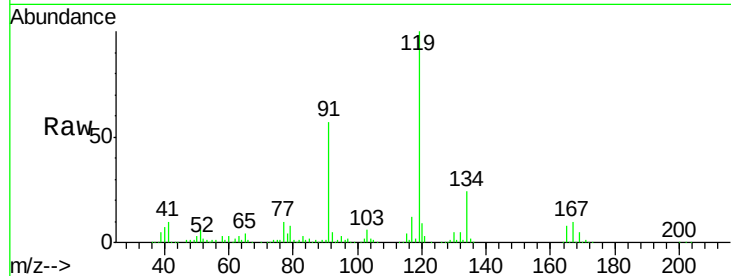
ClientSampleId :

VX0316WBS01

Tot Ion:	119	Resp:	173178
Ion Ratio	Lower	Upper	
119	100		
91	55.2	27.1	81.3
134	23.4	11.4	34.1

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#84

1,2,4-Trimethylbenzene

Concen: 19.214 ug/l

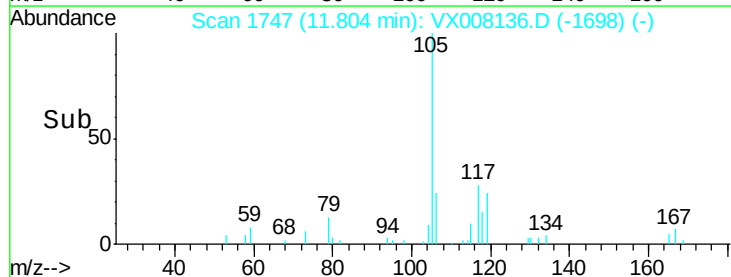
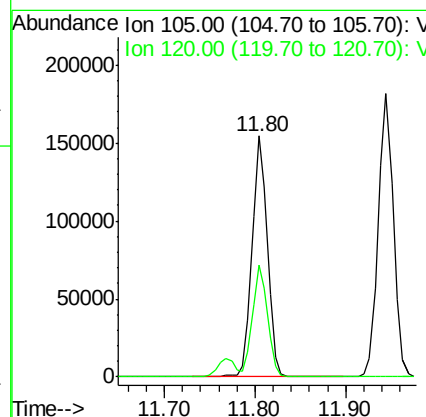
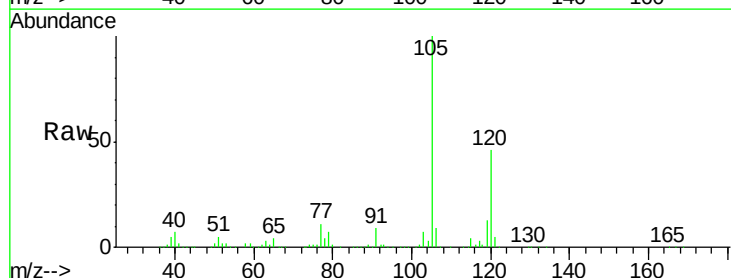
RT: 11.80 min Scan# 1747

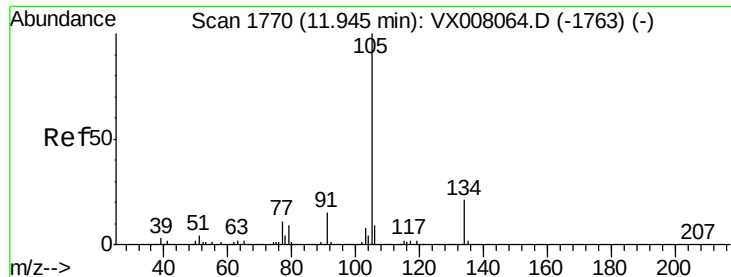
Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Tgt Ion:	105	Resp:	181749
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.6	67.7





#85

sec-Butylbenzene

Concen: 19.262 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBS01

Tot Ion:105 Resp: 210898

Ion Ratio Lower Upper

105 100

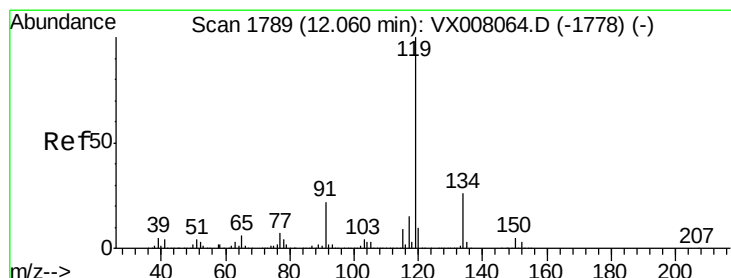
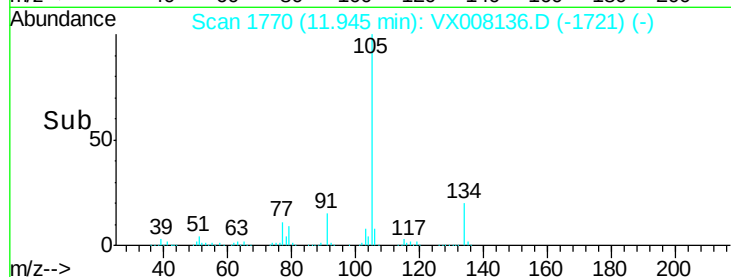
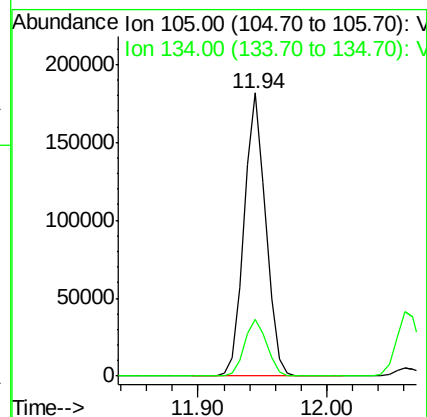
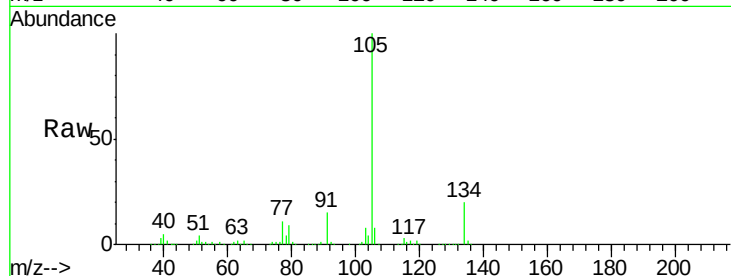
134 20.7 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 19.412 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

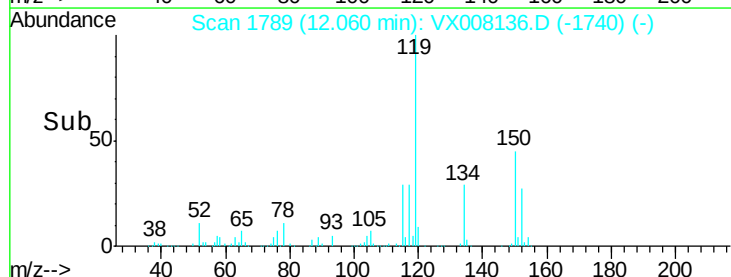
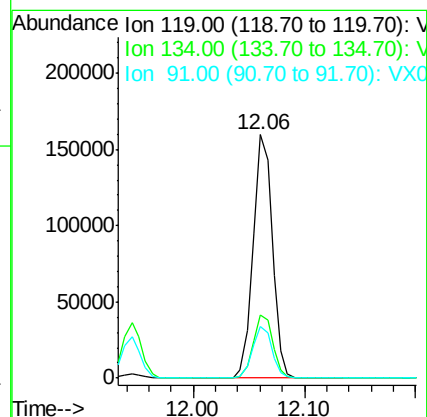
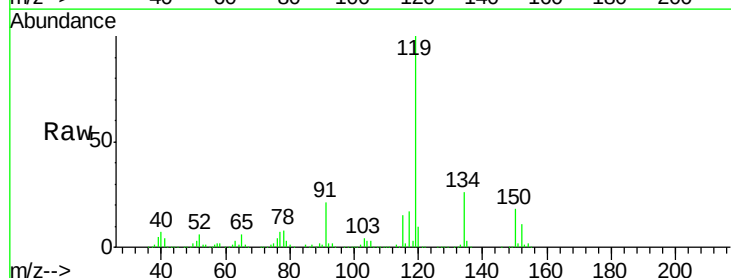
Tgt Ion:119 Resp: 192219

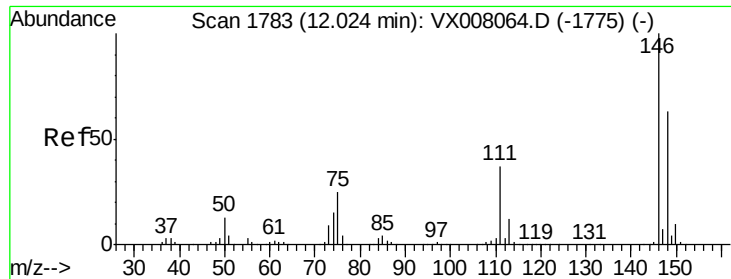
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 21.4 10.9 32.7





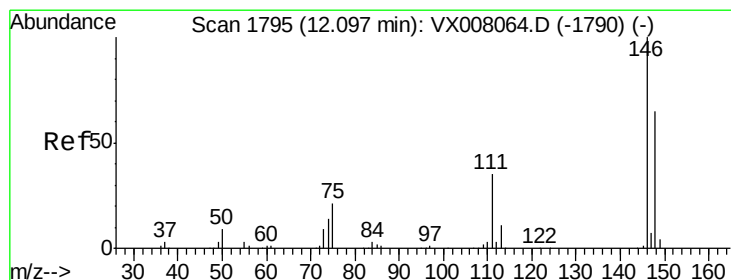
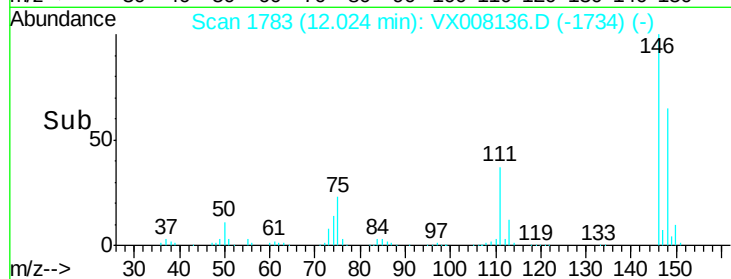
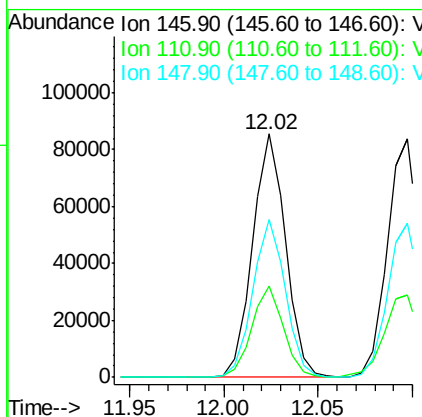
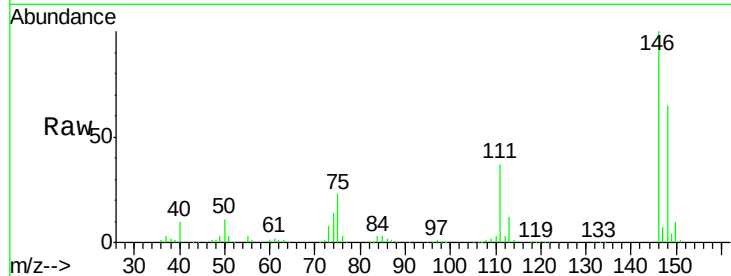
#87
 1,3-Dichlorobenzene
 Concen: 19.152 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008136.D
 Acq: 16 Mar 2019 13:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.9	56.7
148	64.0	31.7	95.1

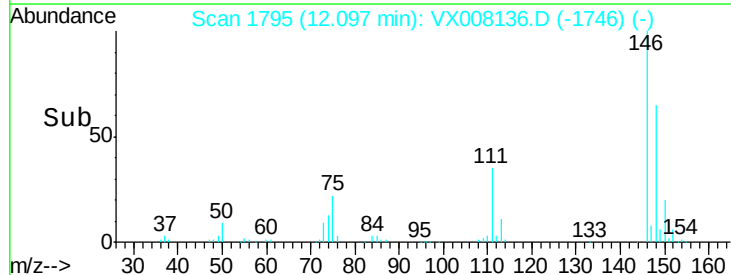
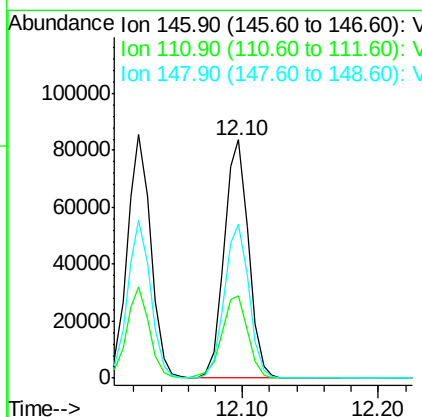
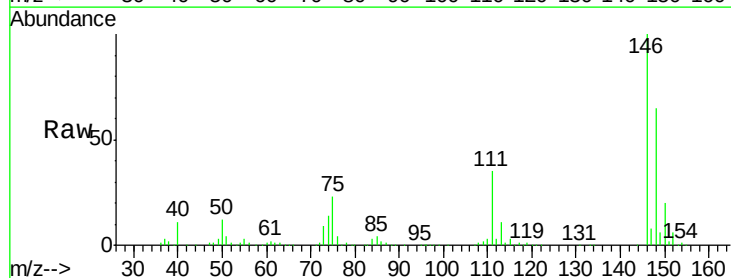
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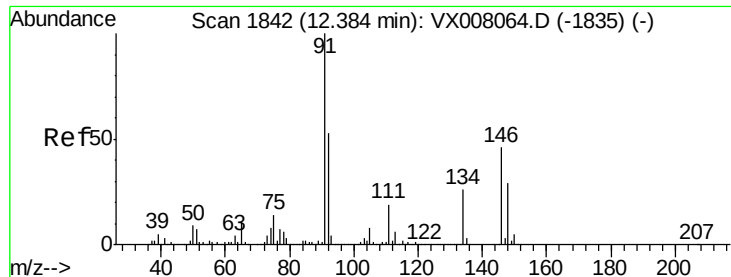
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#88
 1,4-Dichlorobenzene
 Concen: 18.870 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008136.D
 Acq: 16 Mar 2019 13:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.0
148	65.1	32.2	96.6





#89

n-Butylbenzene

Concen: 18.591 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

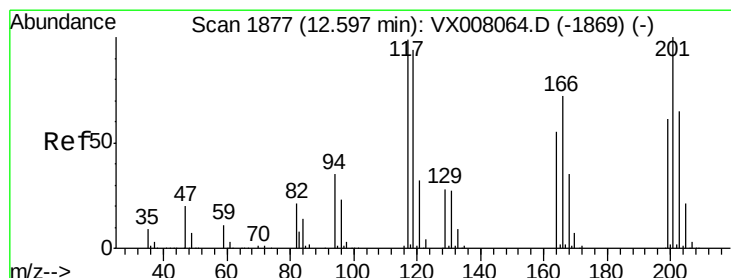
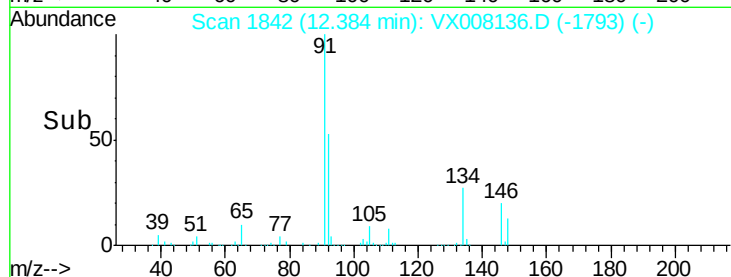
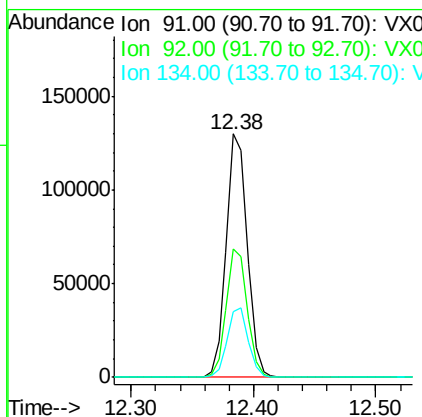
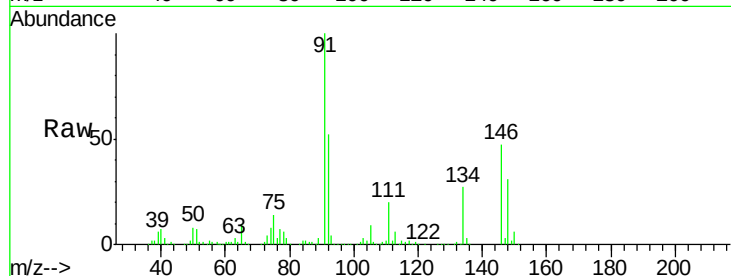
ClientSampleId :

VX0316WBS01

Tot Ion:	91	Resp:	154043
Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.0	80.8
134	28.4	13.7	41.0

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#90

Hexachloroethane

Concen: 18.923 ug/l

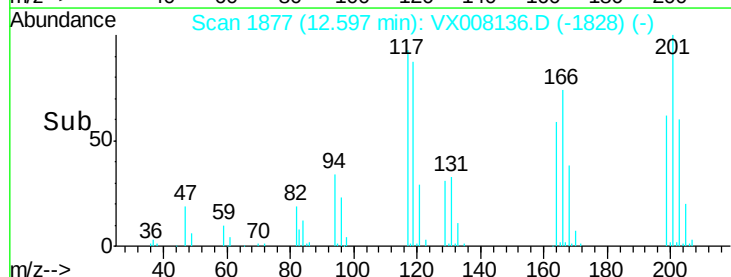
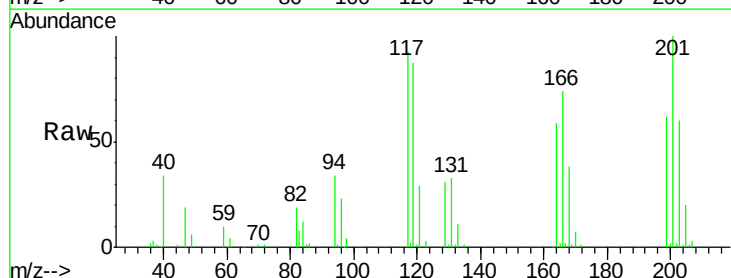
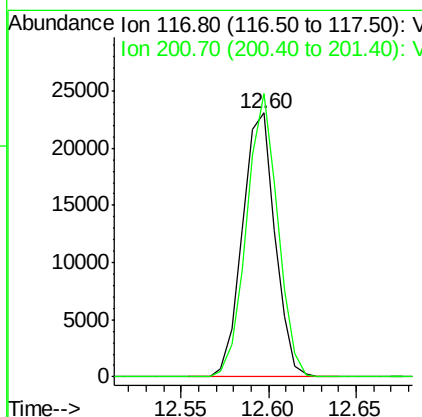
RT: 12.60 min Scan# 1877

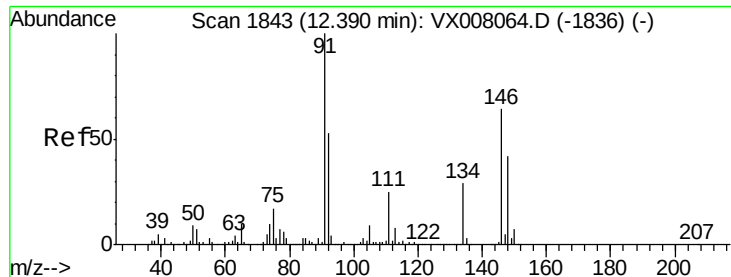
Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Tgt Ion:	117	Resp:	29989
Ion	Ratio	Lower	Upper
117	100		
201	102.3	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 19.159 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Instrument :

MSVOA_X

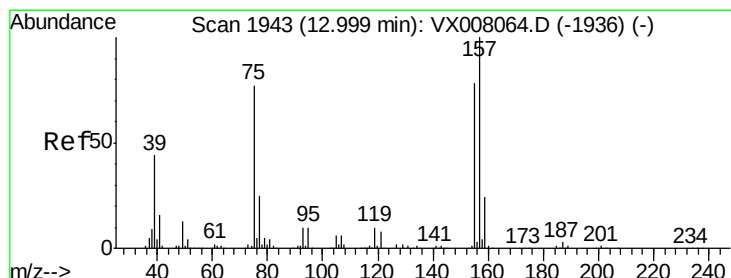
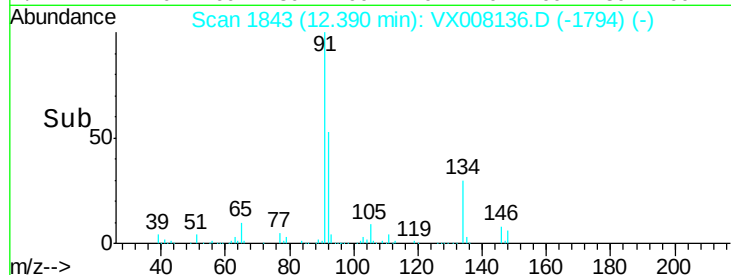
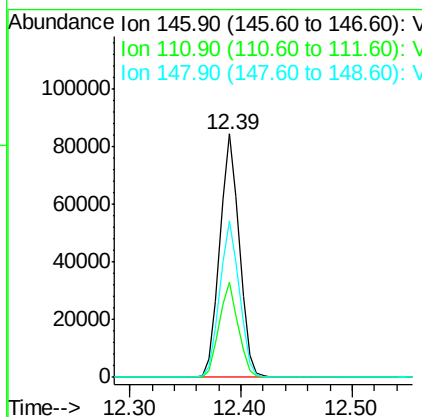
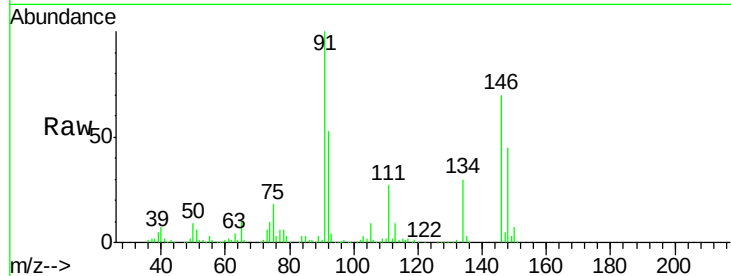
ClientSampleId :

VX0316WBS01

Tot Ion:	146	Resp:	102761
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.6	58.8
148	64.4	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.845 ug/l

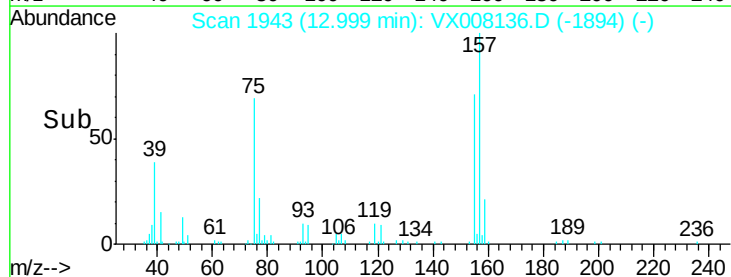
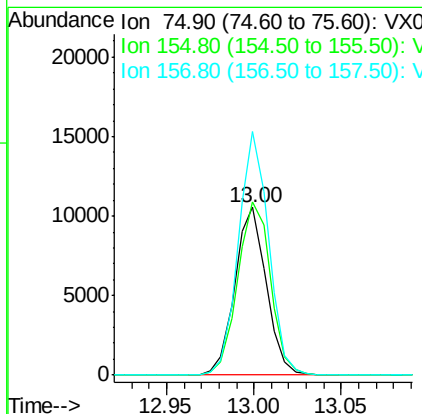
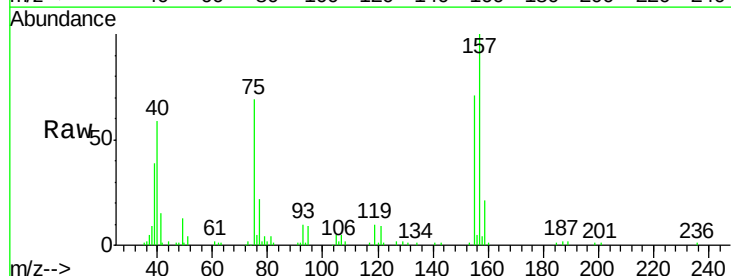
RT: 13.00 min Scan# 1943

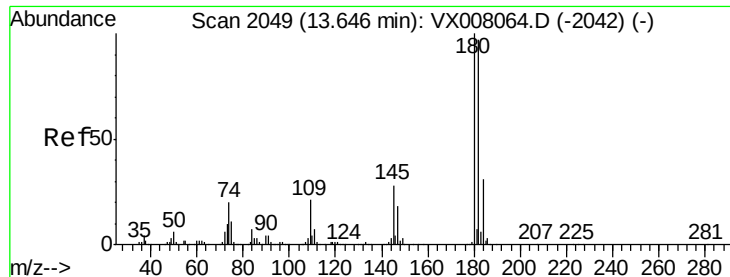
Delta R.T. 0.00 min

Lab File: VX008136.D

Acq: 16 Mar 2019 13:08

Tgt Ion:	75	Resp:	13156
Ion Ratio	Lower	Upper	
75	100		
155	108.0	49.7	149.1
157	139.2	63.8	191.4





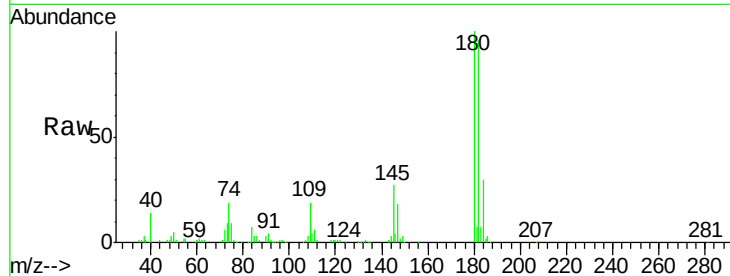
#93
 1,2,4-Trichlorobenzene
 Concen: 19.136 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008136.D
 Acq: 16 Mar 2019 13:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBS01

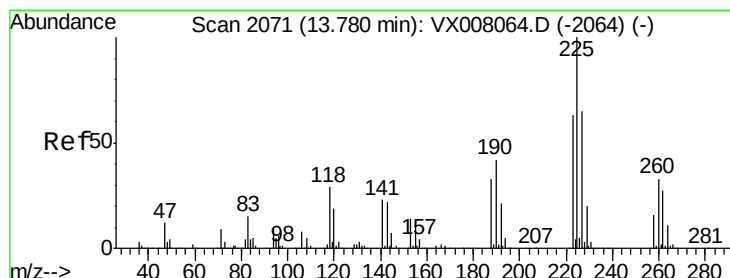
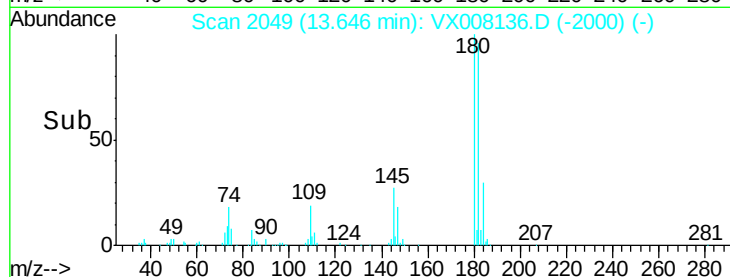
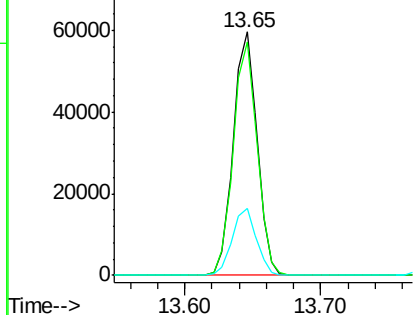
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.7
145	27.8	14.1	42.4

Manual Integrations
 APPROVED

MMDadoda
 3/18/2019 10:36:54 AM

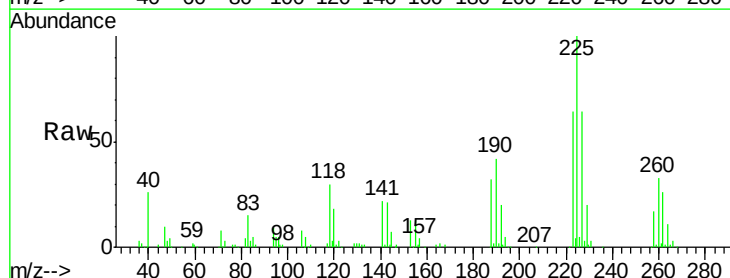


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

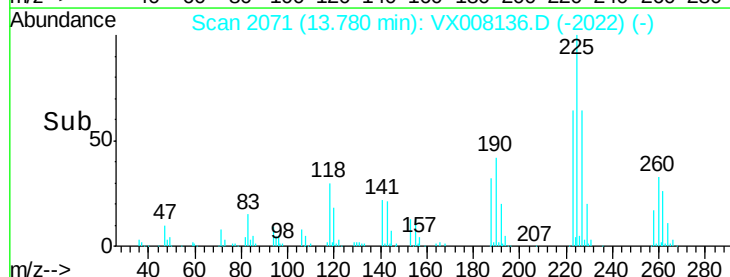
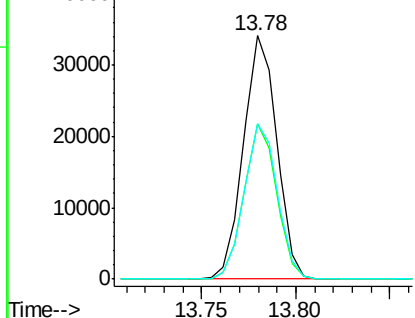


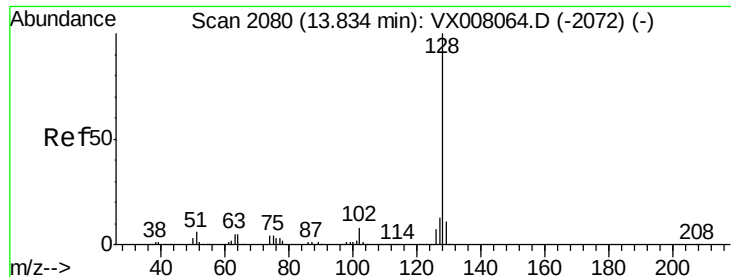
#94
 Hexachlorobutadiene
 Concen: 20.295 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008136.D
 Acq: 16 Mar 2019 13:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.2
227	63.6	32.0	96.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





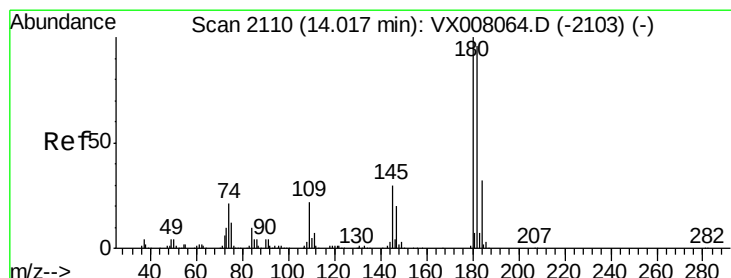
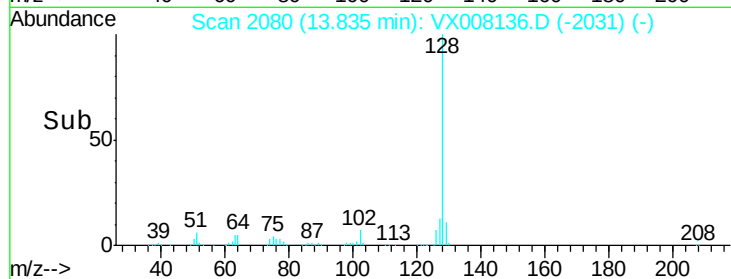
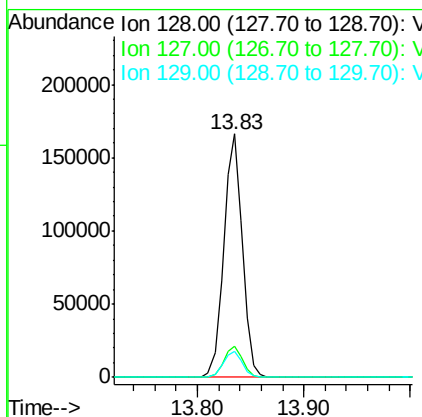
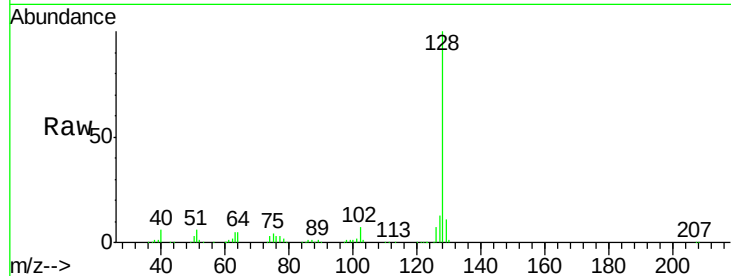
#95
Naphthalene
Concen: 18.853 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	201409		
127	12.9		10.3	15.5
129	11.0		8.7	13.1

Manual Integrations
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3/18/2019 10:36:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.394 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008136.D
Acq: 16 Mar 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	72541		
182	96.7		47.5	142.5
145	29.5		14.8	44.3

