

Data File : VV010415.D
Acq On : 22 Apr 2019 15:11
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV82

Quant Time: Apr 23 06:55:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 22 15:14:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	461202	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	459125	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	244035	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	136126	21.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.68%
7) Chloroethane-d5	1.57	69	107061	21.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.64%
10) 1,1-Dichloroethene-d2	2.13	63	262539	22.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.52%
20) 2-Butanone-d5	3.93	46	81487	54.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.68%
24) Chloroform-d	4.40	84	274145	24.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.28%
26) 1,2-Dichloroethane-d4	5.08	65	169249	24.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.92%
29) Benzene-d6	5.10	84	508418	23.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.92%
33) 1,2-Dichloropropane-d6	6.12	67	151964	24.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.24%
37) Toluene-d8	7.36	98	521658	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.56%
38) trans-1,3-Dichloropropene-	7.66	79	80243	26.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.24%
39) 2-Hexanone-d5	8.13	63	64687	52.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.16%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	155134	25.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	231238	24.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.72%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	167599	23.826	ug/L	100
3) Chloromethane	1.25	50	149078	25.543	ug/L	98
5) Vinyl chloride	1.33	62	154562	22.413	ug/L	99
6) Bromomethane	1.52	94	96460	26.833	ug/L	98
8) Chloroethane	1.59	64	90907	23.447	ug/L	94
9) Trichlorofluoromethane	1.77	101	268960	22.830	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	147114	22.303	ug/L	99
12) 1,1-Dichloroethene	2.14	96	135328	23.302	ug/L	99
13) Acetone	2.19	43	66862	41.987	ug/L	98
14) Carbon disulfide	2.32	76	301172	23.205	ug/L	99
15) Methyl Acetate	2.46	43	60628	25.578	ug/L	97
16) Methylene chloride	2.53	84	139075	20.563	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	346295	25.154	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	122196	23.789	ug/L	99
19) 1,1-Dichloroethane	3.23	63	225853	24.605	ug/L	99
21) 2-Butanone	4.01	43	83093	48.958	ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	142436	24.597	ug/L	96

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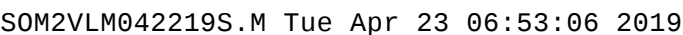
Instrument :
MSVOA_V
ClientSampleId :
VICV82

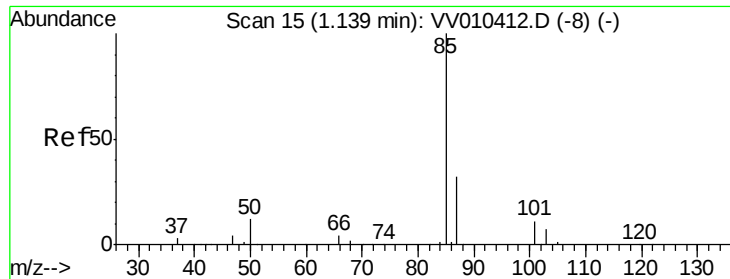
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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	68615	24.560	ug/L	96
25) Chloroform	4.42	83	268613	24.355	ug/L	100
27) 1,2-Dichloroethane	5.18	62	193976	25.074	ug/L	99
30) Cyclohexane	4.72	56	188268	23.145	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	237865	24.240	ug/L	99
32) Carbon tetrachloride	4.87	117	219299	23.578	ug/L	100
34) Benzene	5.14	78	493944	24.339	ug/L	100
35) Trichloroethene	5.96	95	147084	23.899	ug/L	98
36) Methylcyclohexane	6.17	83	213976	23.273	ug/L	99
40) 1,2-Dichloropropane	6.22	63	128603	25.749	ug/L	98
41) Bromodichloromethane	6.55	83	194130	25.200	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	209518	25.403	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	188620	50.853	ug/L	100
44) Toluene	7.43	91	585713	23.883	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	192346	25.542	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	114222	25.499	ug/L	98
47) Tetrachloroethene	8.02	164	129156	23.643	ug/L	97
49) 2-Hexanone	8.18	43	134263	50.986	ug/L	95
50) Dibromochloromethane	8.29	129	153251	25.378	ug/L	97
51) 1,2-Dibromoethane	8.40	107	115698	24.616	ug/L	98
52) Chlorobenzene	8.92	112	415715	24.178	ug/L	99
53) Ethylbenzene	9.05	91	695103	24.241	ug/L	98
54) m,p-Xylene	9.18	106	275536	24.512	ug/L	95
55) o-xylene	9.59	106	266021	23.758	ug/L	96
56) Styrene	9.60	104	456304	24.700	ug/L	96
57) Isopropylbenzene	9.97	105	724685	23.956	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	144443	24.891	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	110318	25.658	ug/L	99
62) Bromoform	9.77	173	90985	24.895	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	354263	24.823	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	358731	24.554	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	346012	24.949	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	24612	26.776	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	281715	24.702	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	218560	25.405	ug/L	98
69) Naphthalene	13.55	128	372044	26.907	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	205503	25.807	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 23.826 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

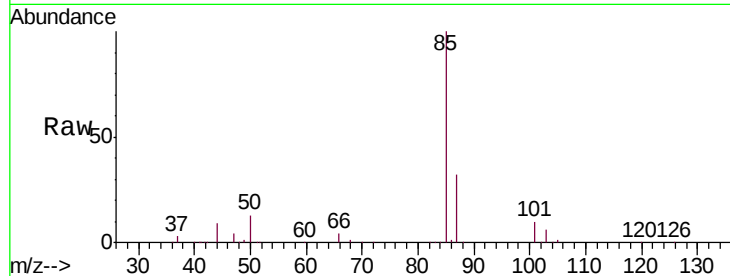
VICV82

Tgt Ion: 85 Resp: 167599

Ion Ratio Lower Upper

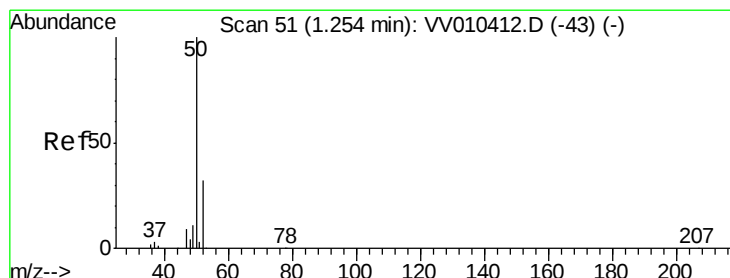
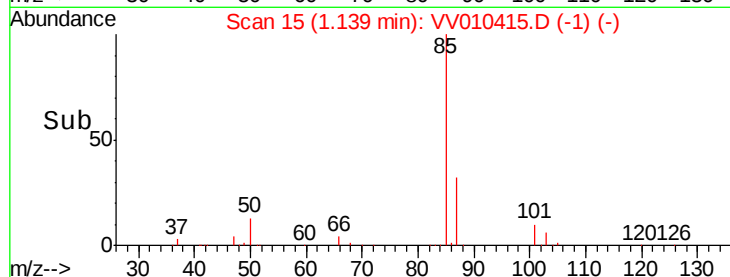
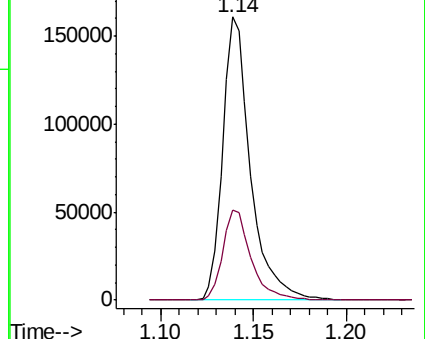
85 100

87 32.6 23.0 42.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 25.543 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV010415.D

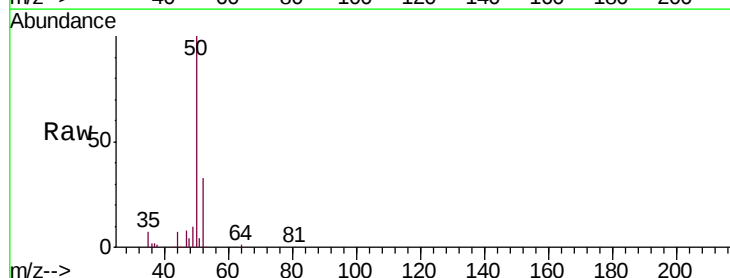
Acq: 22 Apr 2019 15:11

Tgt Ion: 50 Resp: 149078

Ion Ratio Lower Upper

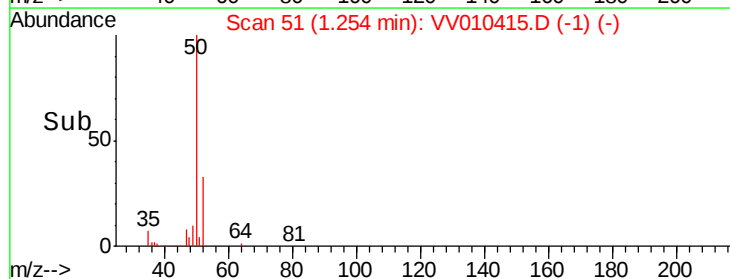
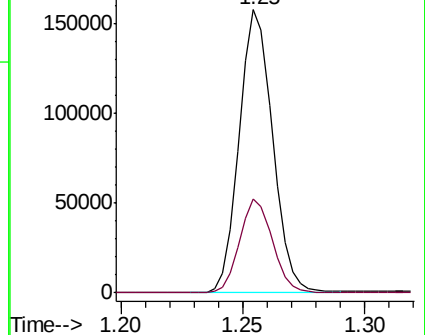
50 100

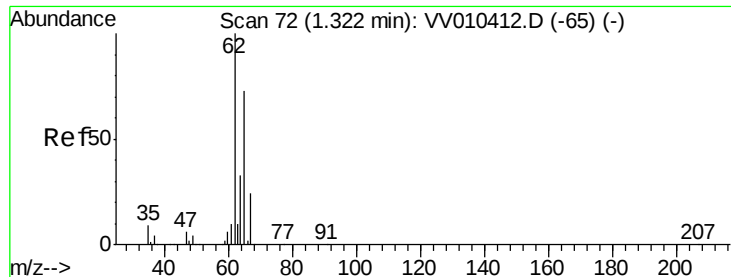
52 33.0 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 22.413 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

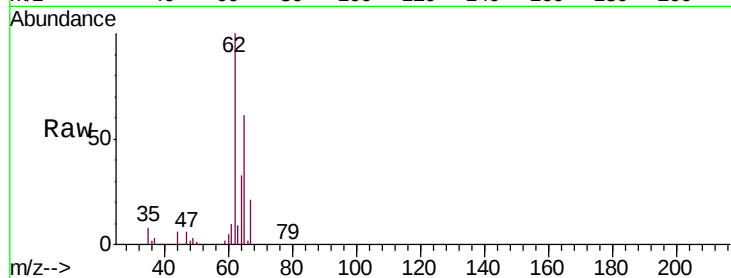
VICV82

Tgt Ion: 62 Resp: 154562

Ion Ratio Lower Upper

62 100

64 33.2 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VV010415.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV010415.D (-65) (-)

1.33

150000

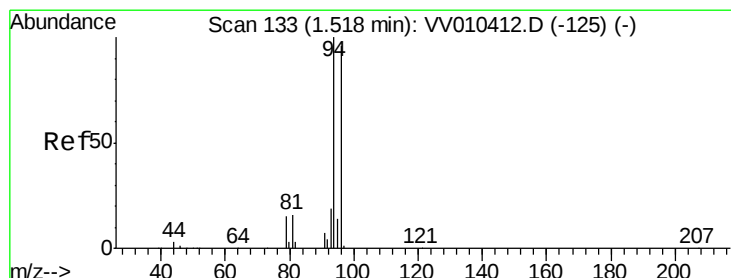
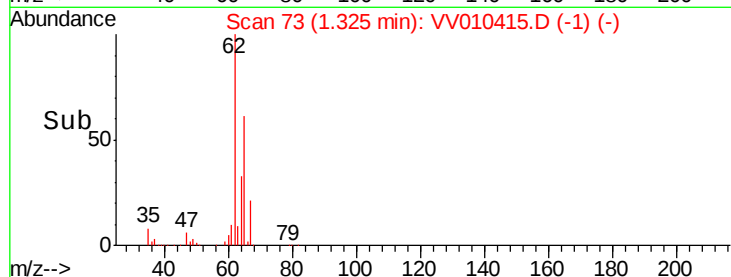
100000

50000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 26.833 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV010415.D

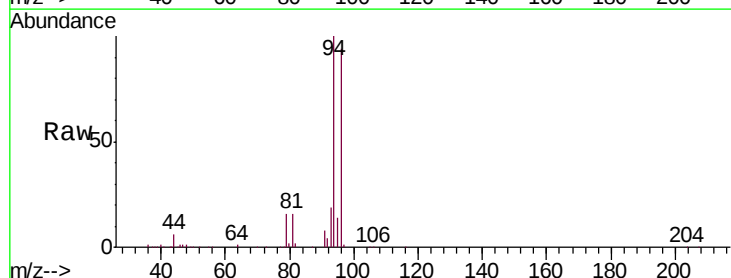
Acq: 22 Apr 2019 15:11

Tgt Ion: 94 Resp: 96460

Ion Ratio Lower Upper

94 100

96 93.4 9.5 180.3



Abundance Ion 94.00 (93.70 to 94.70): VV010415.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV010415.D (-125) (-)

1.52

100000

80000

60000

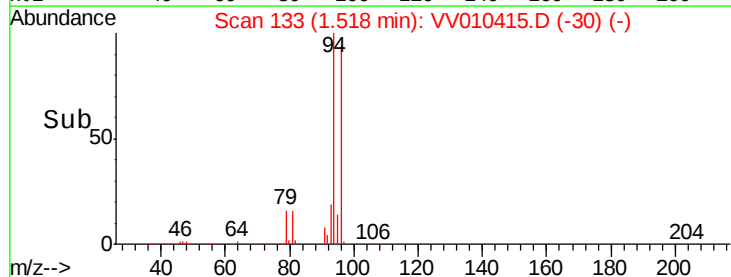
40000

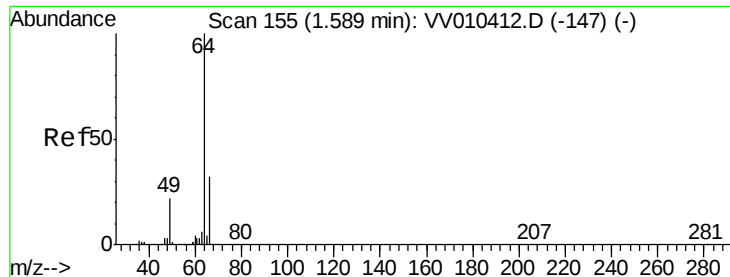
20000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 23.447 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

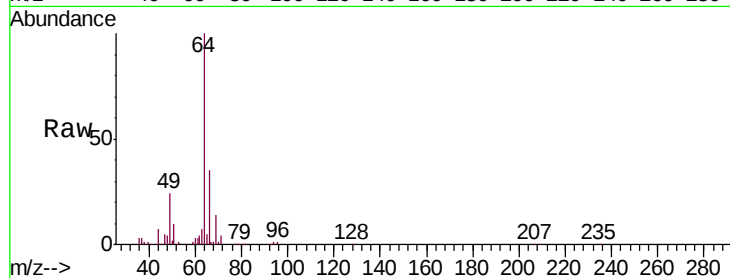
VICV82

Tgt Ion: 64 Resp: 90907

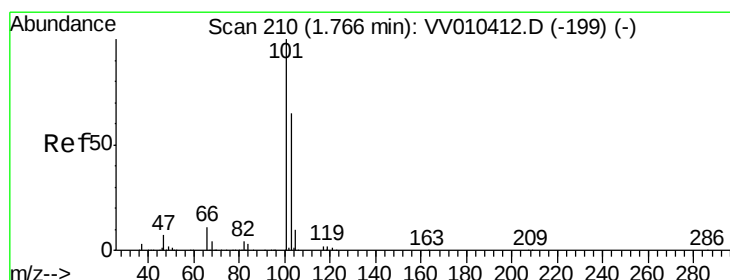
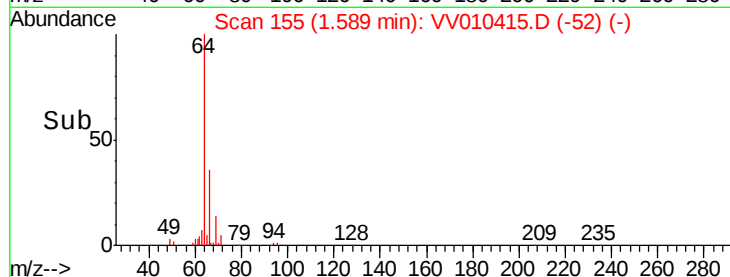
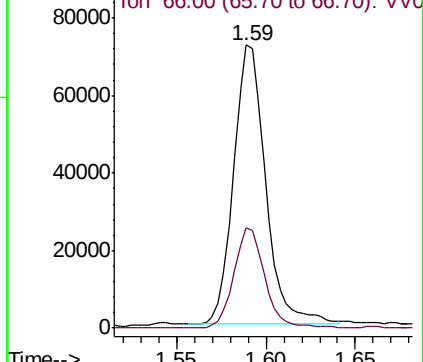
Ion Ratio Lower Upper

64 100

66 35.3 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV010415.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 22.830 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV010415.D

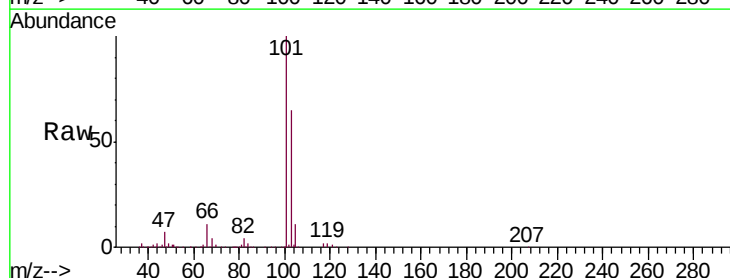
Acq: 22 Apr 2019 15:11

Tgt Ion: 101 Resp: 268960

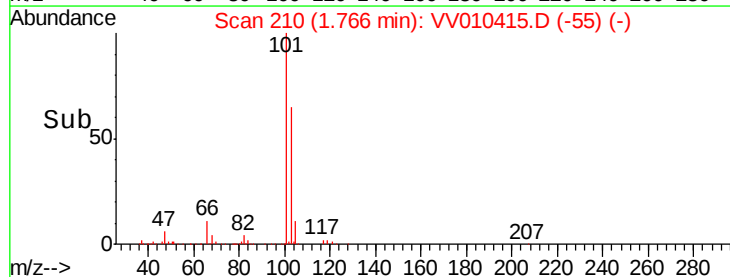
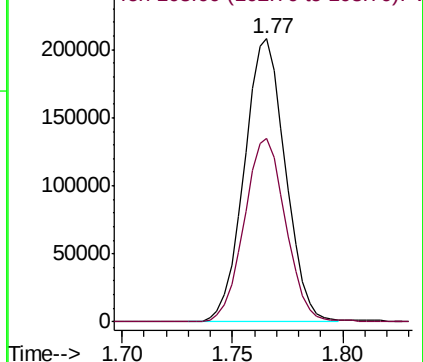
Ion Ratio Lower Upper

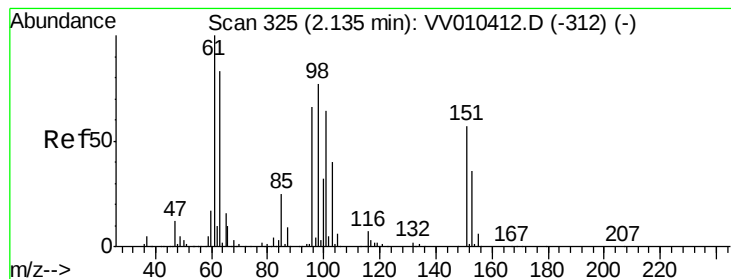
101 100

103 65.5 45.4 84.2



Abundance Ion 101.00 (100.70 to 101.70): VV010415.D (-199) (-)





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 22.303 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_V

ClientSampled :

VICV82

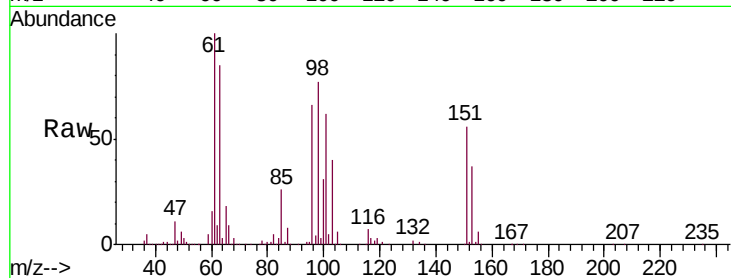
Tgt Ion: 101 Resp: 147114

Ion Ratio Lower Upper

101 100

85 41.5 31.8 47.6

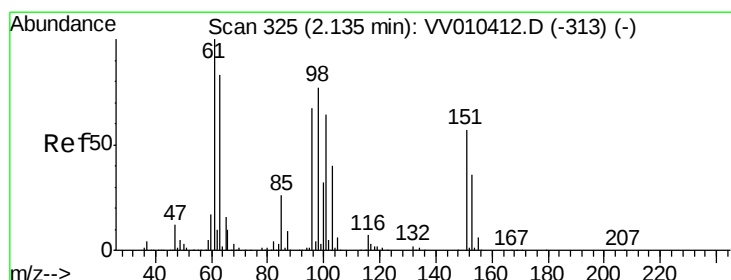
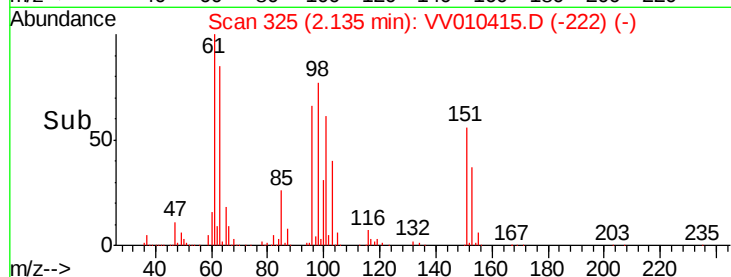
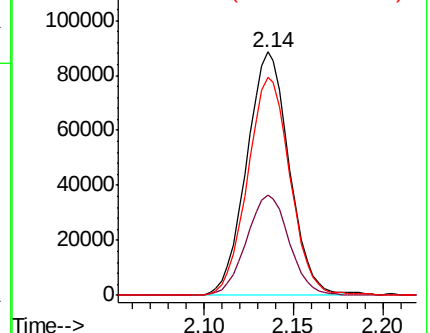
151 89.4 70.9 106.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.302 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

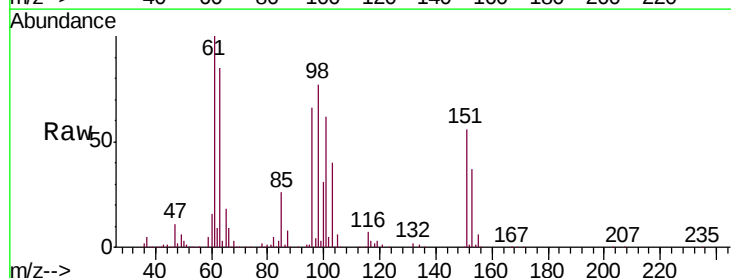
Tgt Ion: 96 Resp: 135328

Ion Ratio Lower Upper

96 100

61 151.3 105.3 195.5

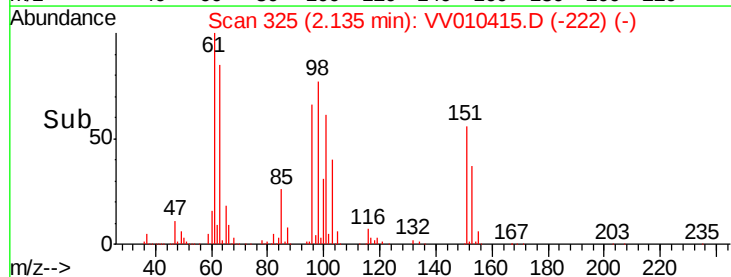
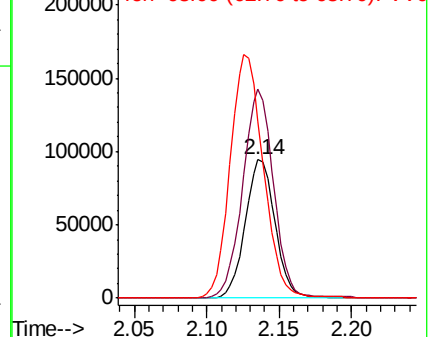
63 128.0 87.8 163.2

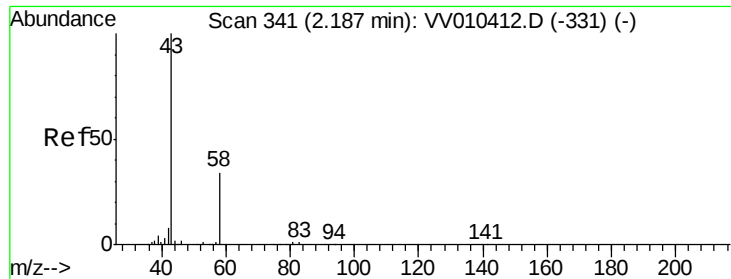


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

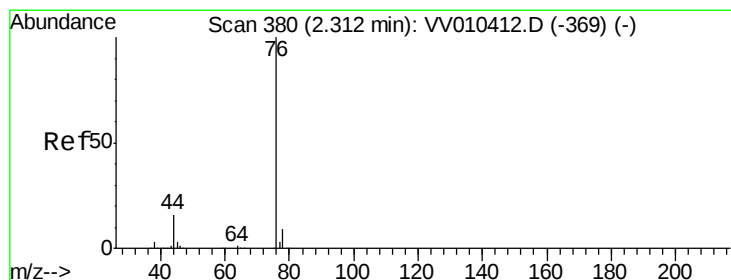
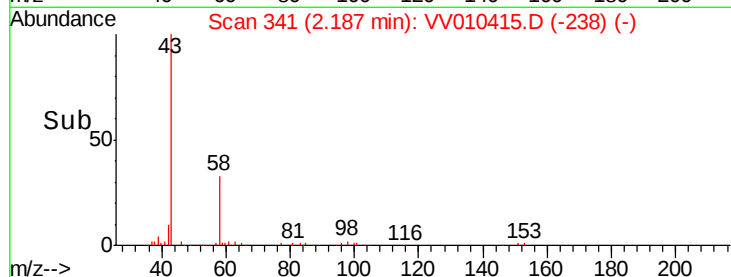
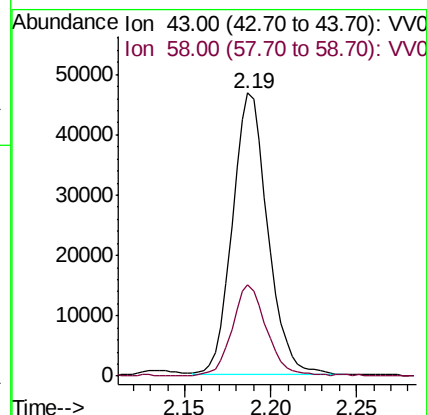
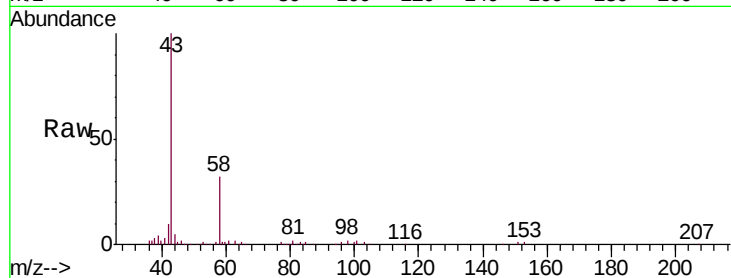




#13
Acetone
Concen: 41.987 ug/L
RT: 2.19 min Scan# 341
Delta R.T. -0.00 min
Lab File: VV010415.D
Acq: 22 Apr 2019 15:11

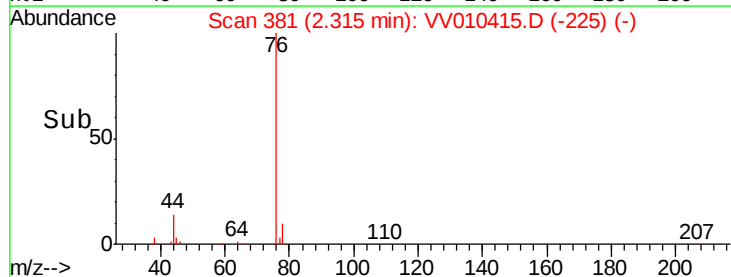
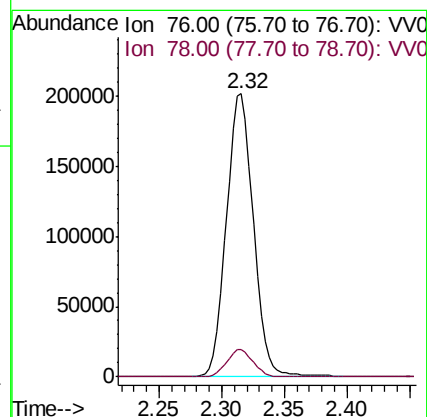
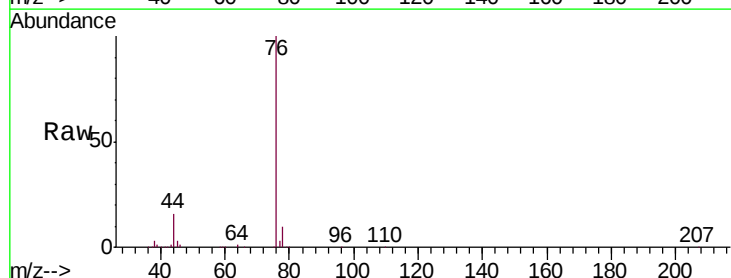
Instrument :
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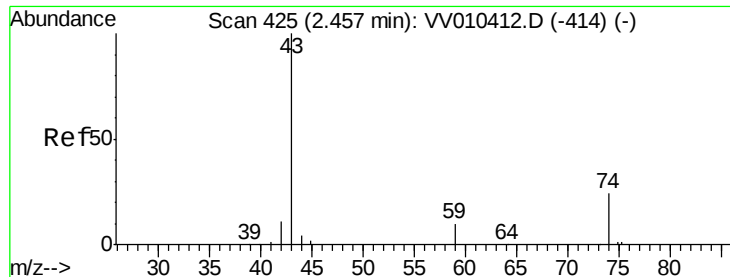
Tgt Ion: 43 Resp: 66862
Ion Ratio Lower Upper
43 100
58 31.8 0.0 66.4



#14
Carbon disulfide
Concen: 23.205 ug/L
RT: 2.32 min Scan# 381
Delta R.T. 0.00 min
Lab File: VV010415.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 76 Resp: 301172
Ion Ratio Lower Upper
76 100
78 9.7 7.5 11.3

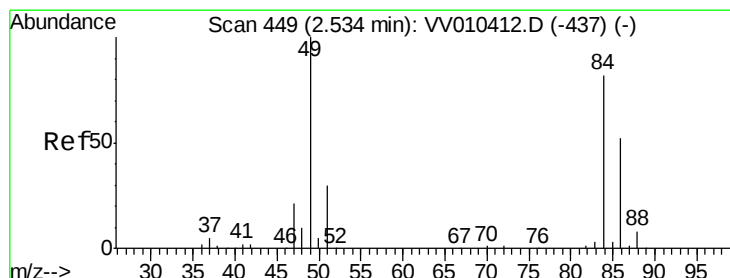
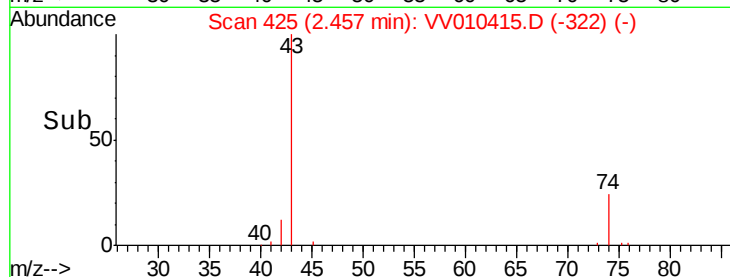
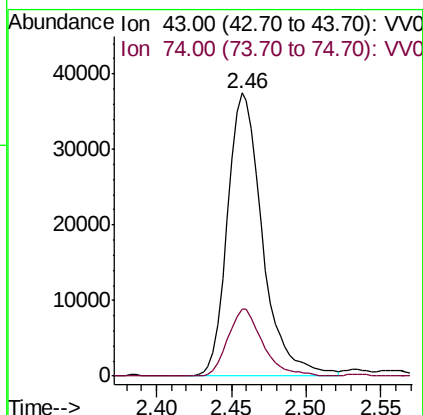
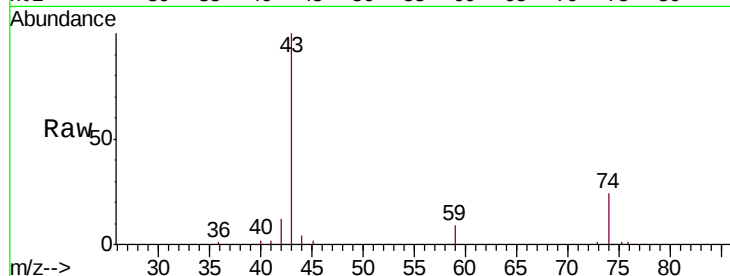




#15
Methyl Acetate
Concen: 25.578 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV010415.D
Acq: 22 Apr 2019 15:11

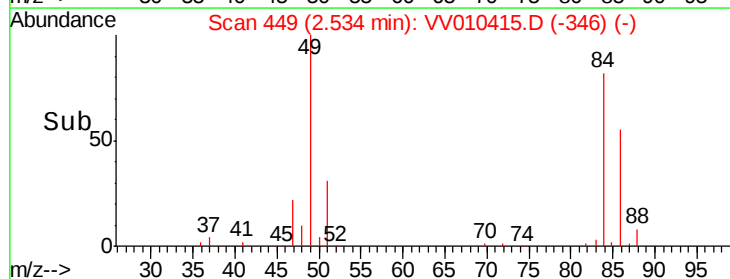
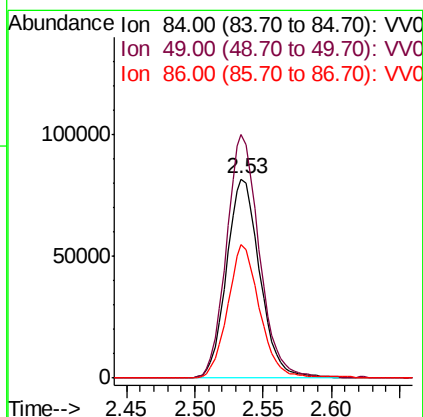
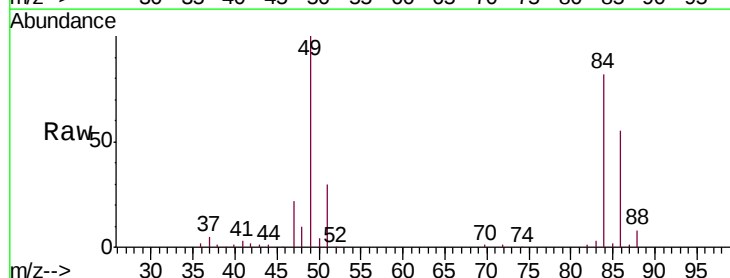
Instrument :
MSVOA_V
ClientSampleId :
VICV82

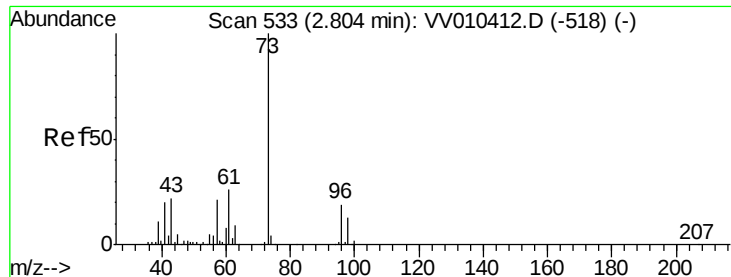
Tgt Ion: 43 Resp: 60628
Ion Ratio Lower Upper
43 100
74 23.2 19.8 29.6



#16
Methylene chloride
Concen: 20.563 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010415.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 84 Resp: 139075
Ion Ratio Lower Upper
84 100
49 122.2 85.0 158.0
86 66.8 43.9 81.5





#17

Methyl tert-butyl Ether

Concen: 25.154 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

VICV82

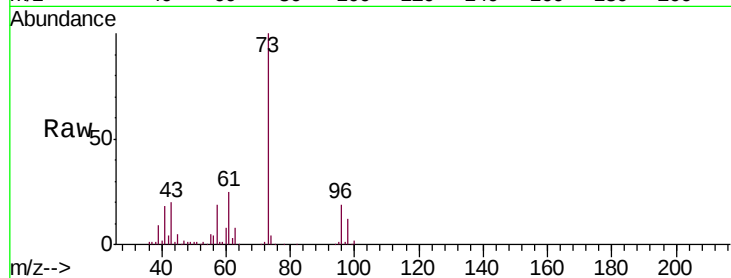
Tgt Ion: 73 Resp: 346295

Ion Ratio Lower Upper

73 100

43 20.4 16.8 25.2

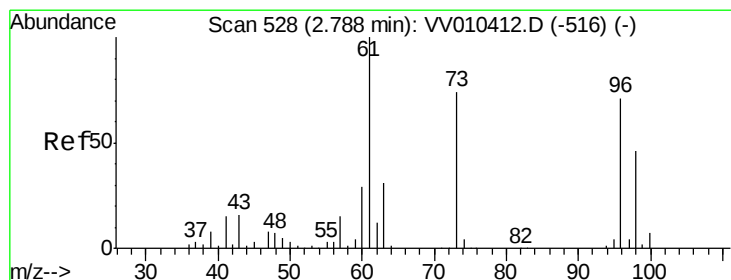
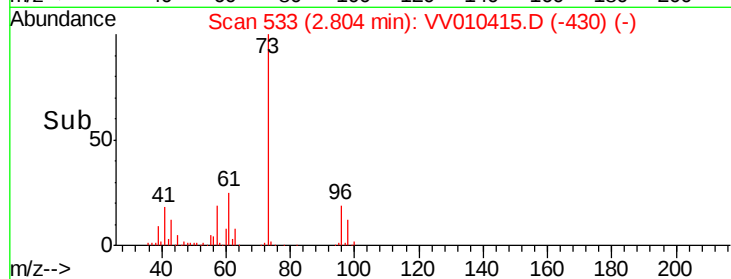
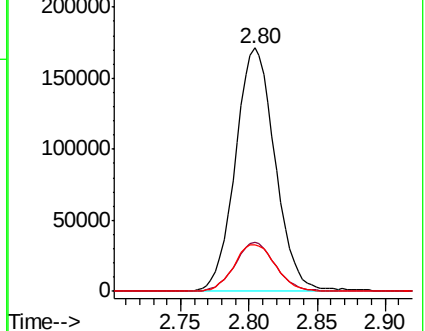
57 20.2 16.1 24.1



Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0



#18

trans-1,2-Dichloroethene

Concen: 23.789 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

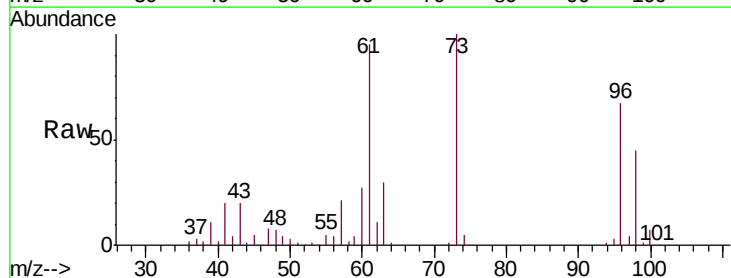
Tgt Ion: 96 Resp: 122196

Ion Ratio Lower Upper

96 100

61 141.0 98.6 183.0

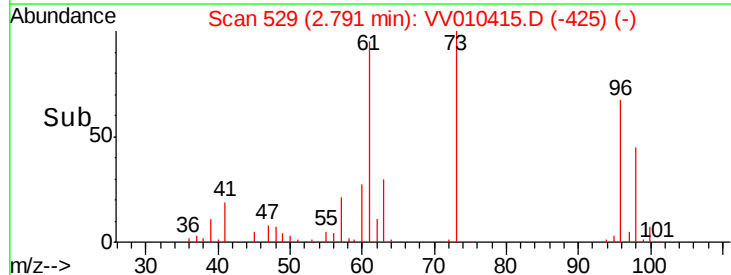
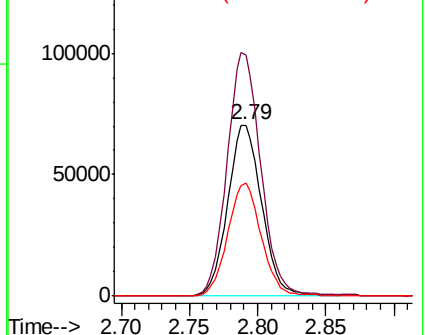
98 66.3 45.7 84.9

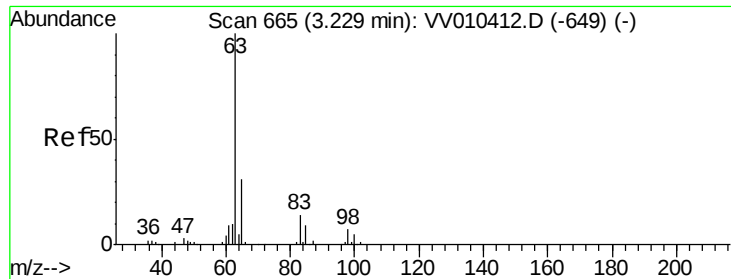


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

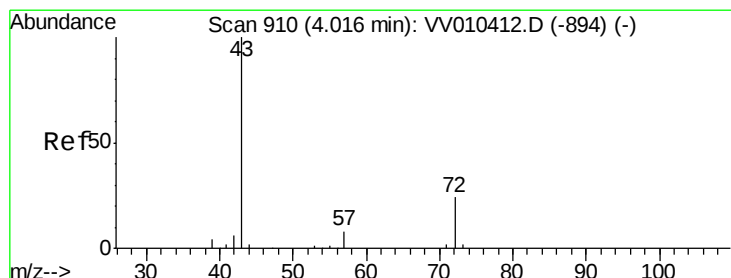
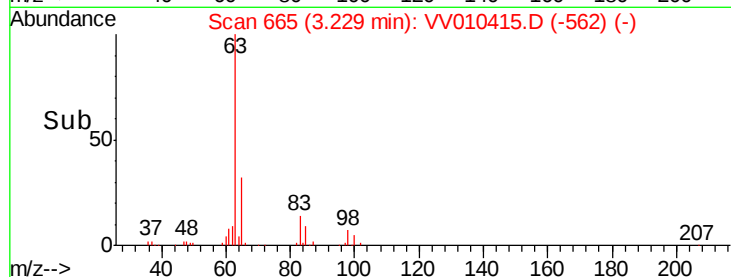
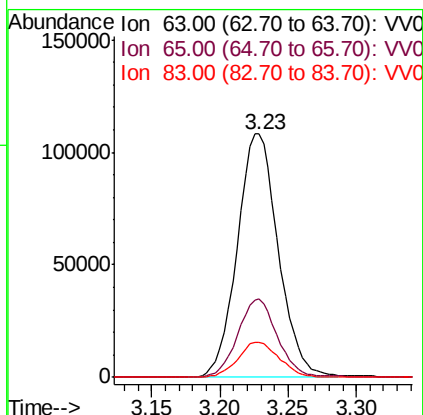
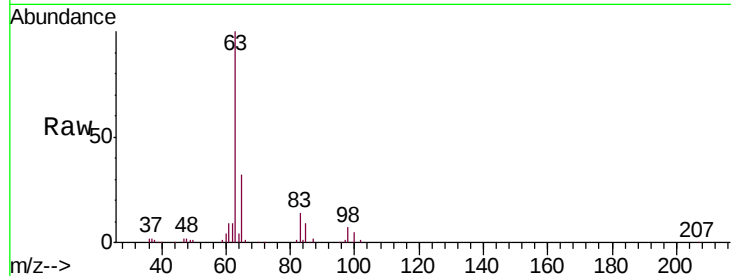




#19
 1,1-Dichloroethane
 Concen: 24.605 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

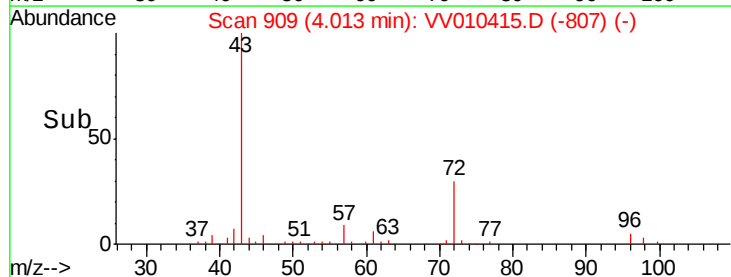
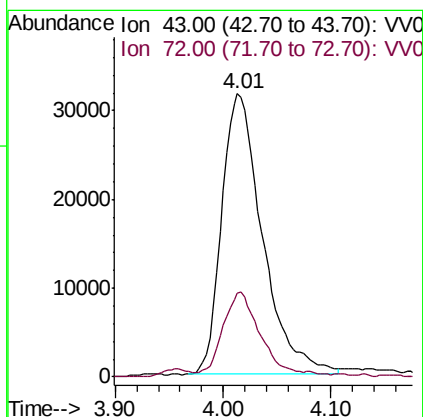
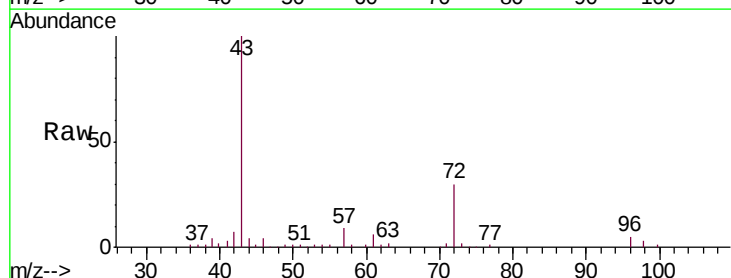
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV82

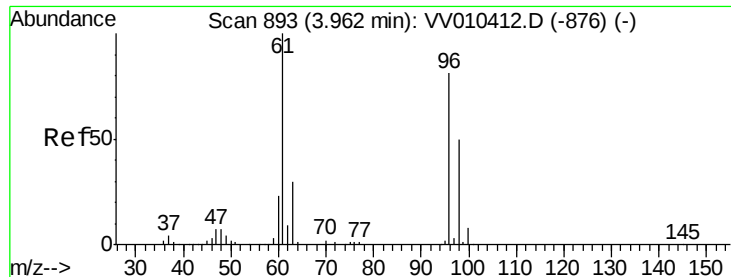
Tgt Ion: 63 Resp: 225853
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.0 41.0
 83 14.3 9.8 18.2



#21
 2-Butanone
 Concen: 48.958 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

Tgt Ion: 43 Resp: 83093
 Ion Ratio Lower Upper
 43 100
 72 27.9 12.2 36.4



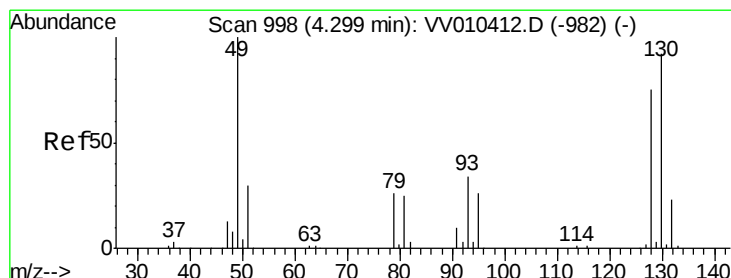
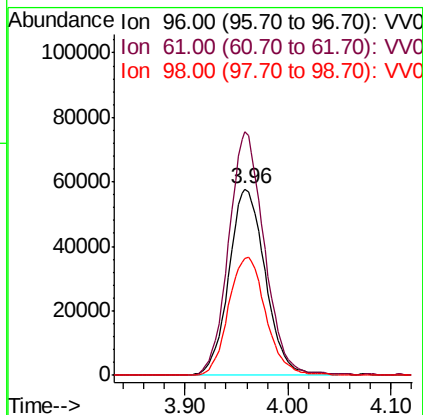
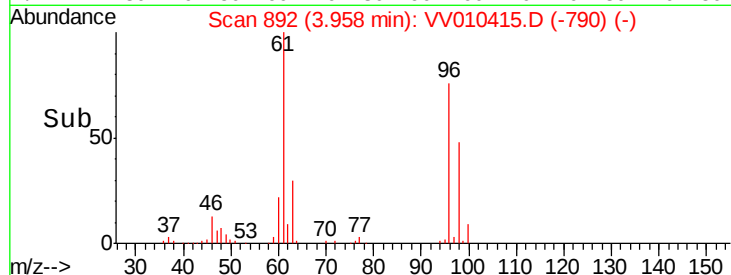
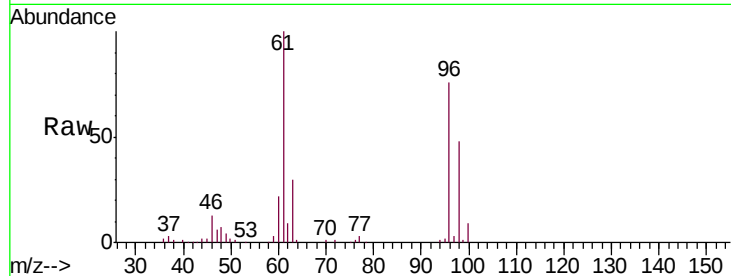


#22

cis-1,2-Dichloroethene
 Concen: 24.597 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV82

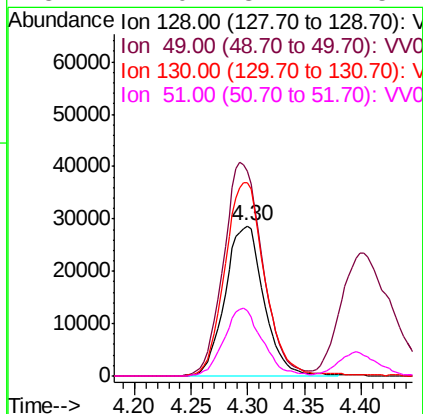
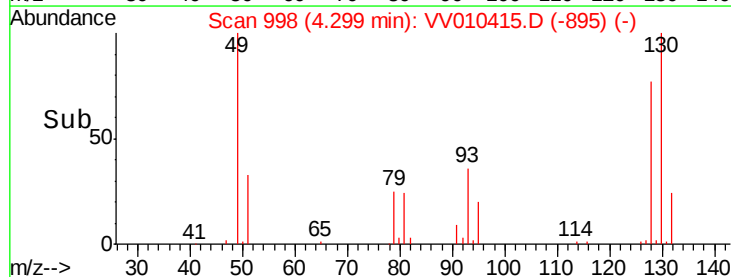
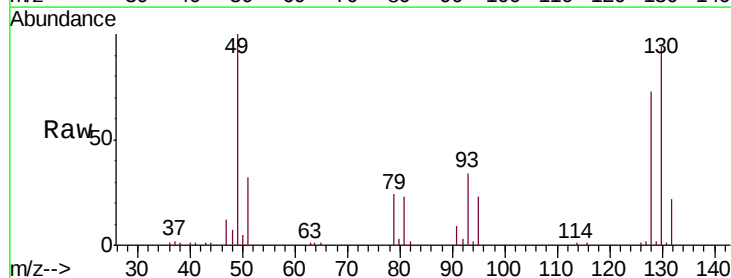
Tgt Ion: 96 Resp: 142436
 Ion Ratio Lower Upper
 96 100
 61 130.8 86.7 161.1
 98 62.8 43.5 80.7

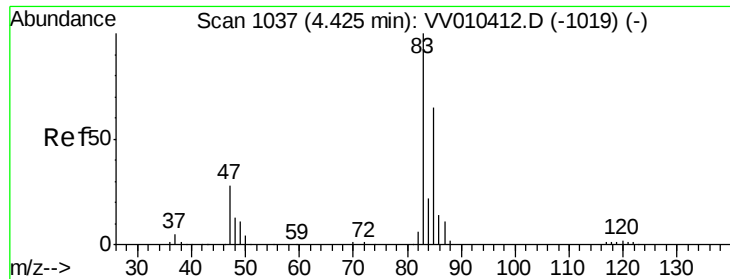


#23

Bromochloromethane
 Concen: 24.560 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

Tgt Ion: 128 Resp: 68615
 Ion Ratio Lower Upper
 128 100
 49 137.0 93.7 174.1
 130 129.0 85.9 159.5
 51 44.0 32.2 48.4

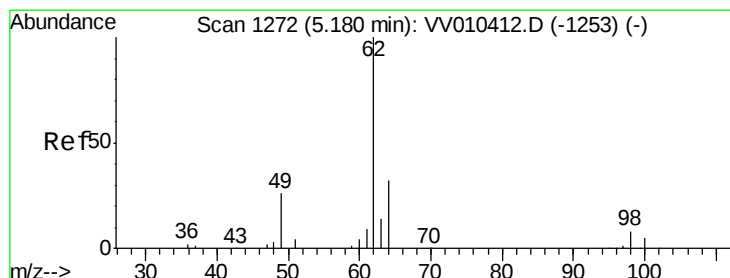
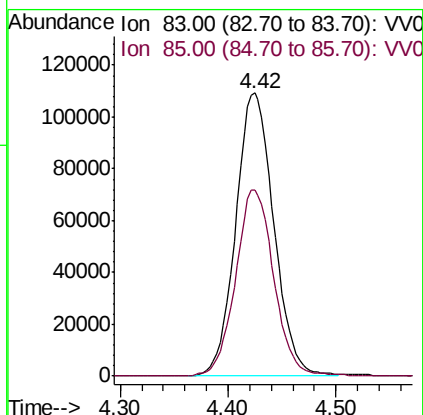
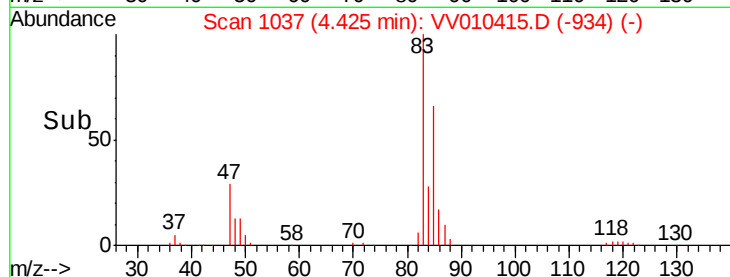
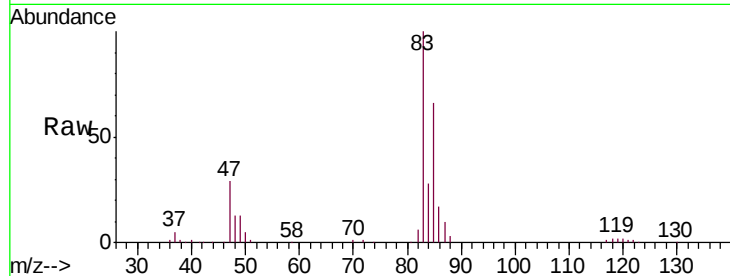




#25
Chloroform
Concen: 24.355 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV010415.D
Acq: 22 Apr 2019 15:11

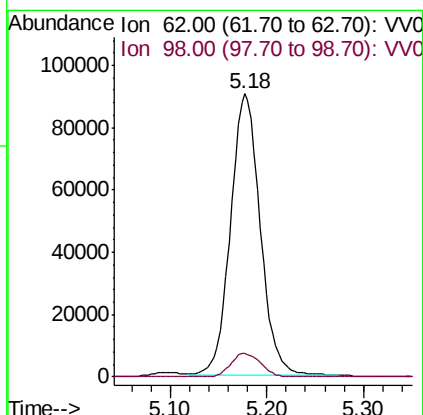
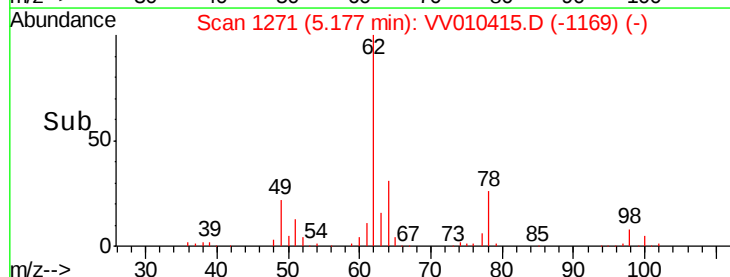
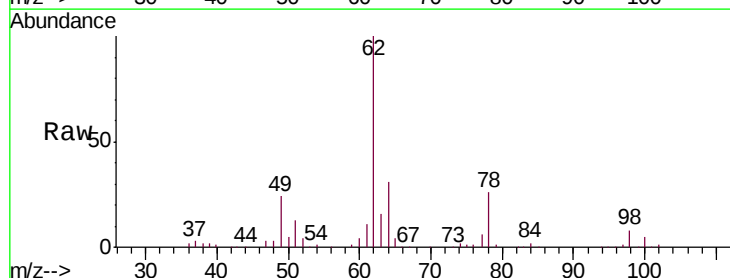
Instrument :
MSVOA_V
ClientSampleId :
VICV82

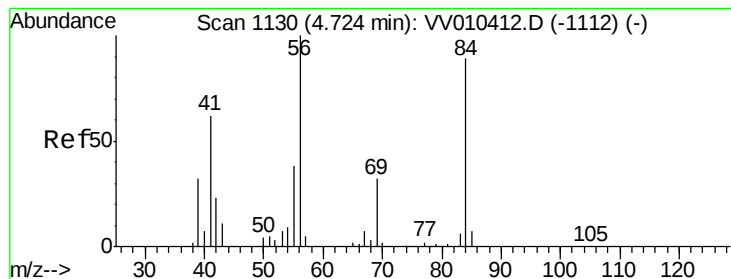
Tgt Ion: 83 Resp: 268613
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.5



#27
1,2-Dichloroethane
Concen: 25.074 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV010415.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 62 Resp: 193976
Ion Ratio Lower Upper
62 100
98 8.2 6.4 9.6





#30

Cyclohexane

Concen: 23.145 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_V

ClientSampled :

VICV82

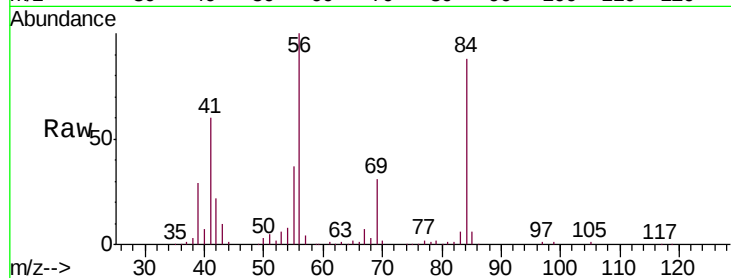
Tgt Ion: 56 Resp: 188268

Ion Ratio Lower Upper

56 100

69 31.4 25.9 38.9

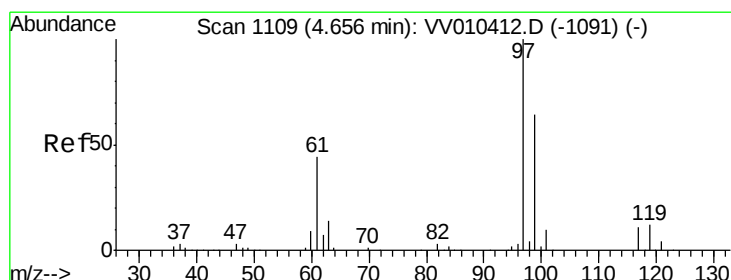
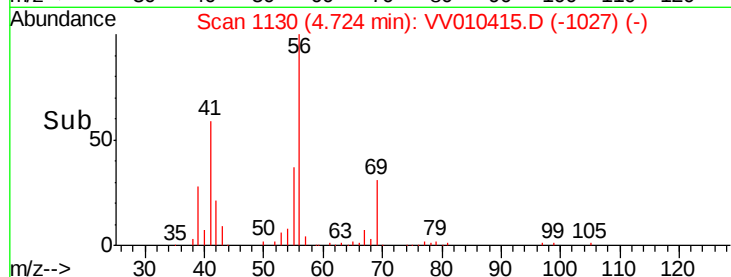
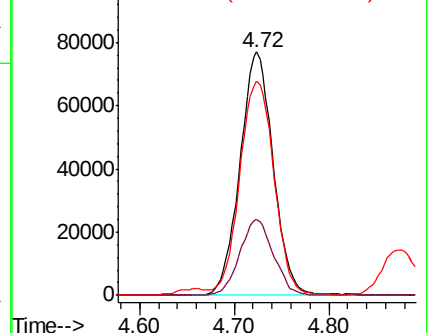
84 89.4 74.2 111.4



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 24.240 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

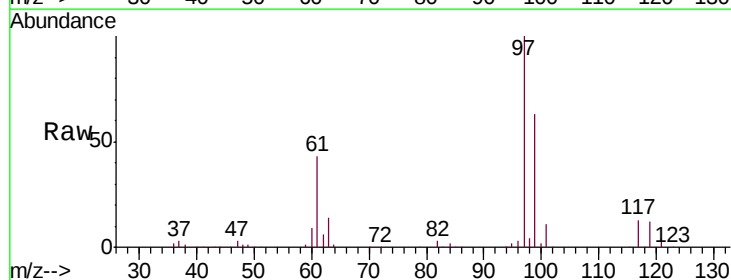
Tgt Ion: 97 Resp: 237865

Ion Ratio Lower Upper

97 100

99 64.1 50.7 76.1

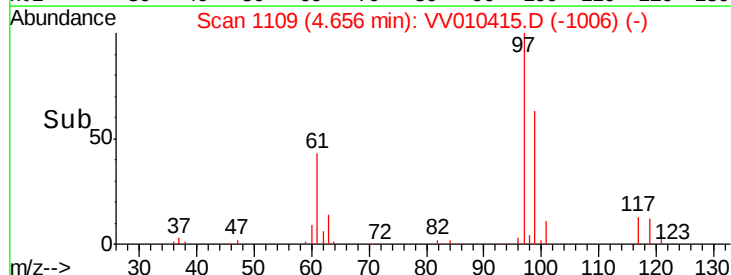
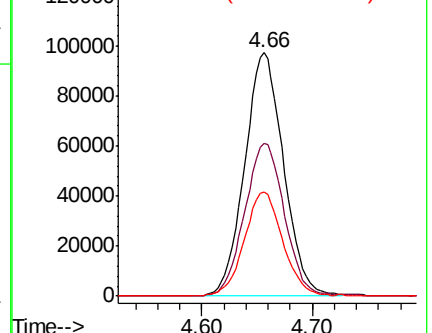
61 42.2 34.5 51.7

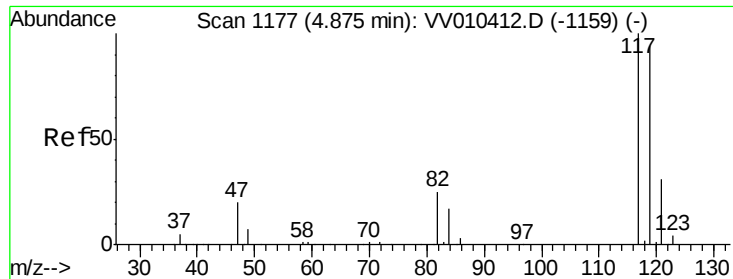


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 23.578 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_V

ClientSampled :

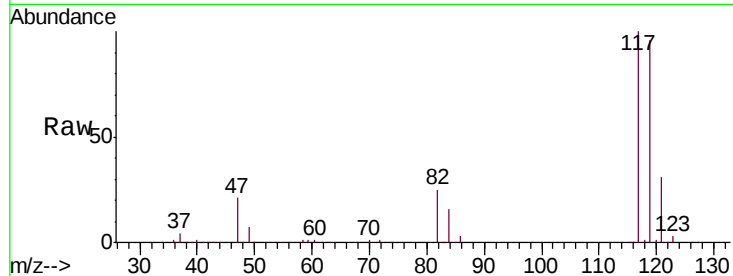
VICV82

Tgt Ion:117 Resp: 219299

Ion Ratio Lower Upper

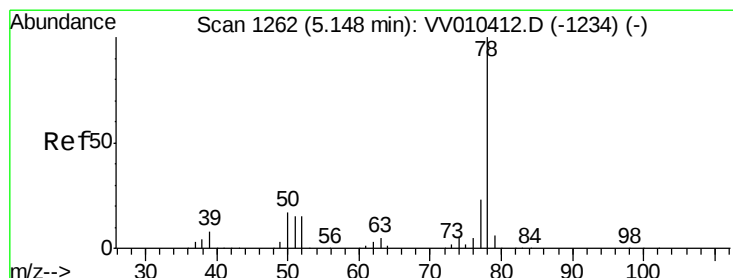
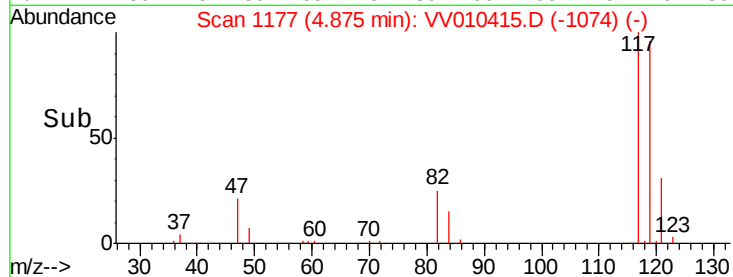
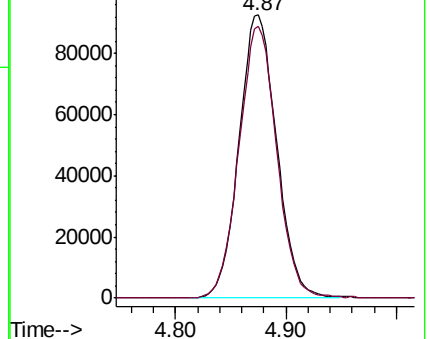
117 100

119 96.0 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.339 ug/L

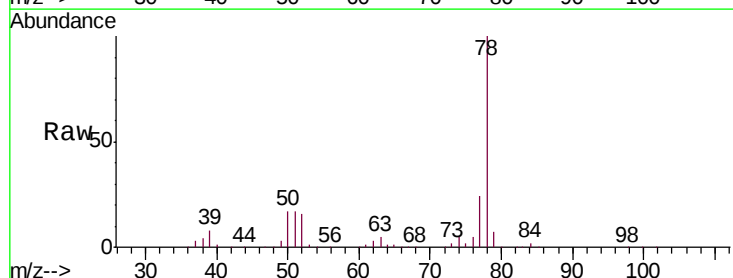
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

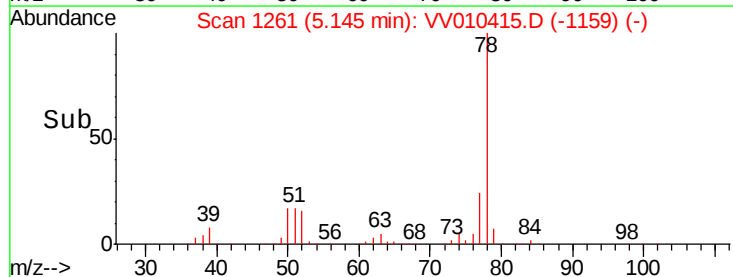
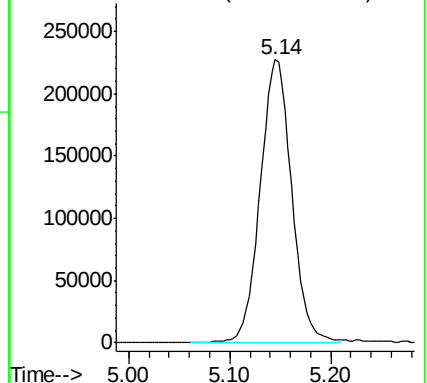
Lab File: VV010415.D

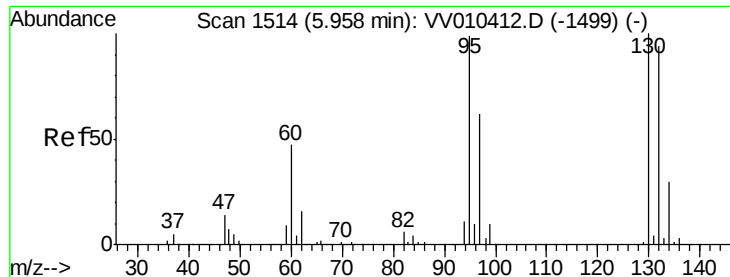
Acq: 22 Apr 2019 15:11

Tgt Ion: 78 Resp: 493944



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 23.899 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

VICV82

Tgt Ion: 95 Resp: 147084

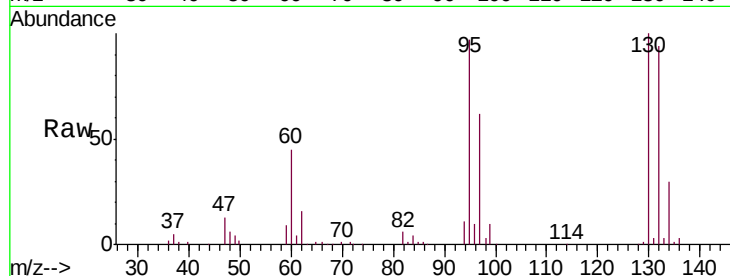
Ion Ratio Lower Upper

95 100

97 66.4 44.4 82.4

132 99.8 69.0 128.1

130 104.9 71.5 132.7

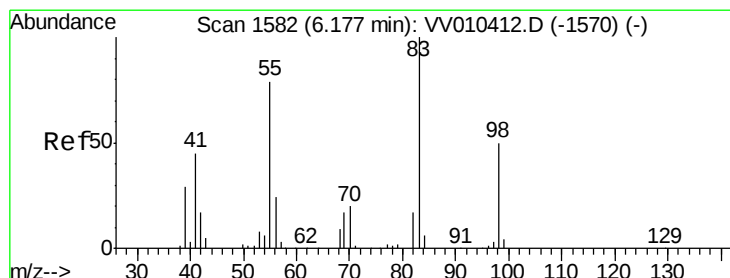
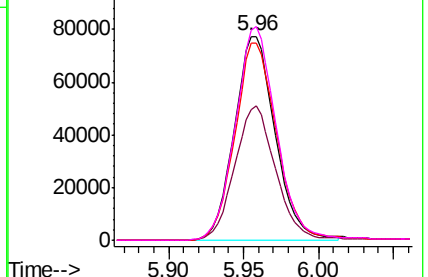
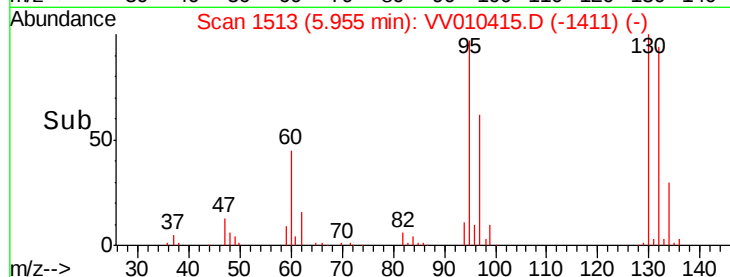


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 23.273 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

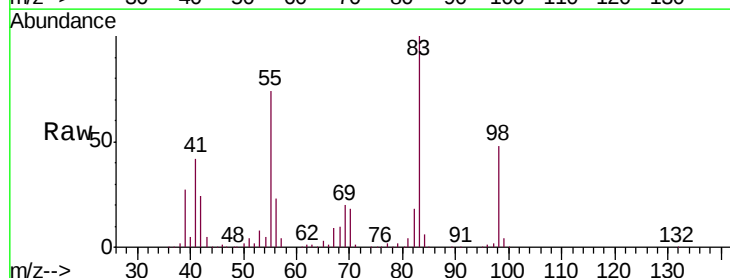
Tgt Ion: 83 Resp: 213976

Ion Ratio Lower Upper

83 100

55 73.8 59.6 89.4

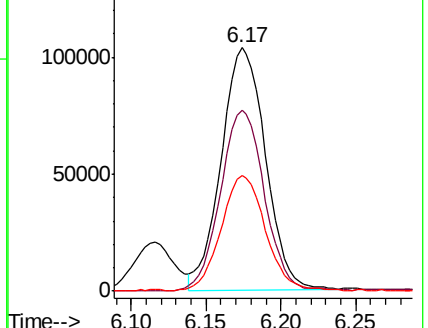
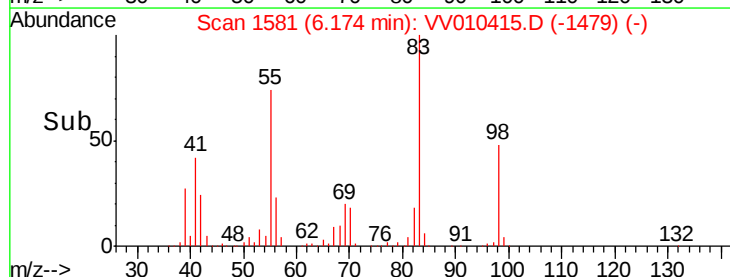
98 47.9 38.0 57.0

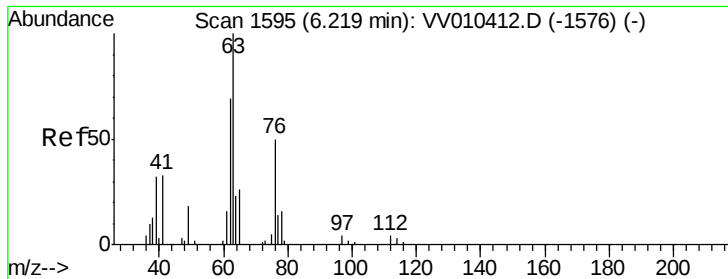


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

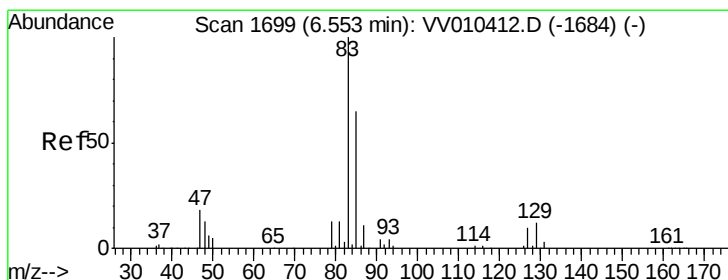
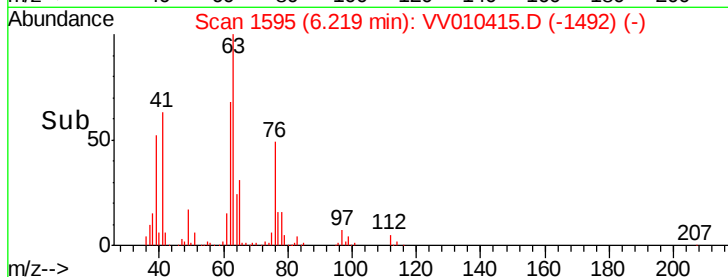
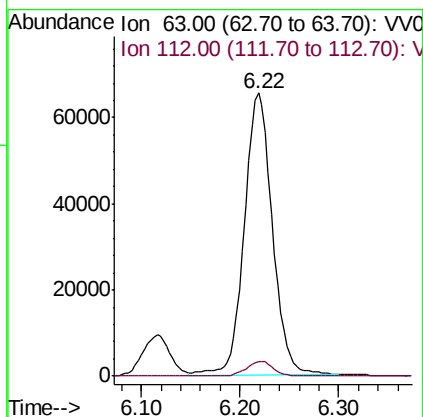
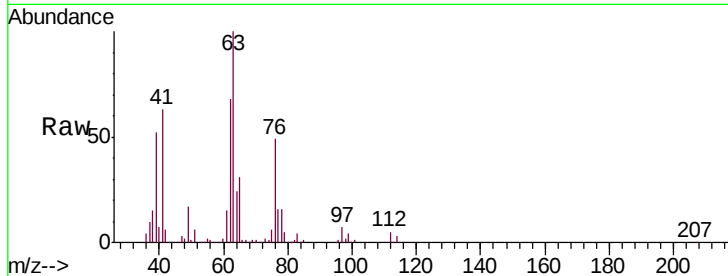




#40
 1,2-Dichloropropane
 Concen: 25.749 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

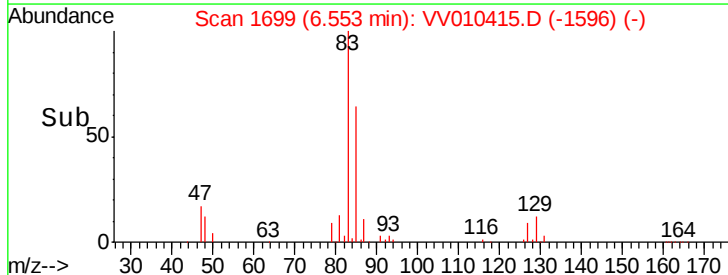
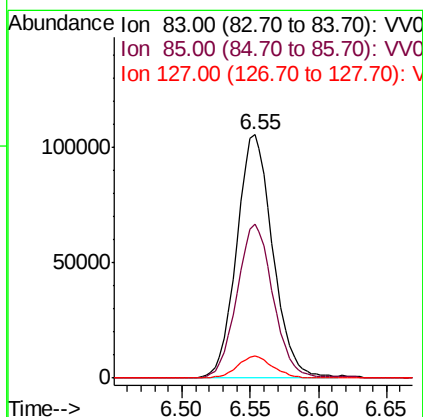
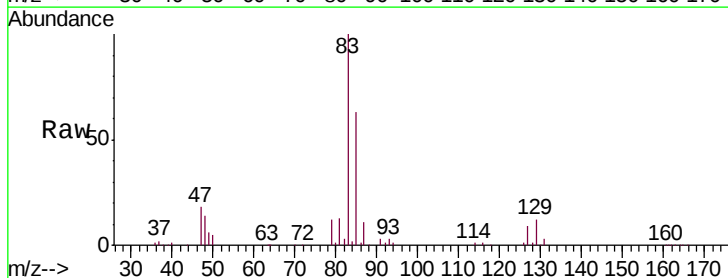
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV82

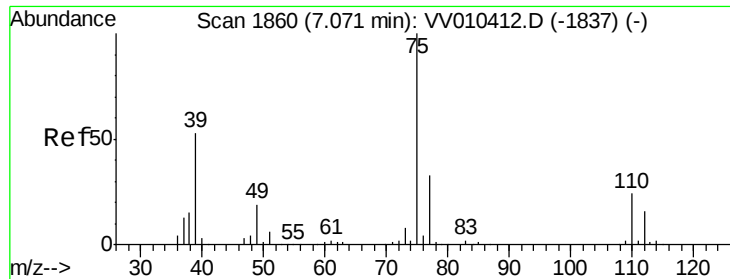
Tgt Ion: 63 Resp: 128603
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.5 5.3



#41
 Bromodichloromethane
 Concen: 25.200 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

Tgt Ion: 83 Resp: 194130
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.1 83.9
 127 8.9 8.2 12.4



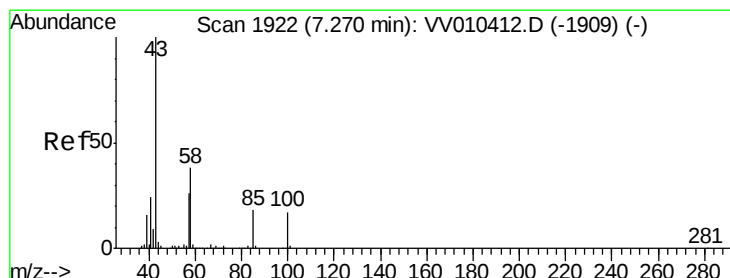
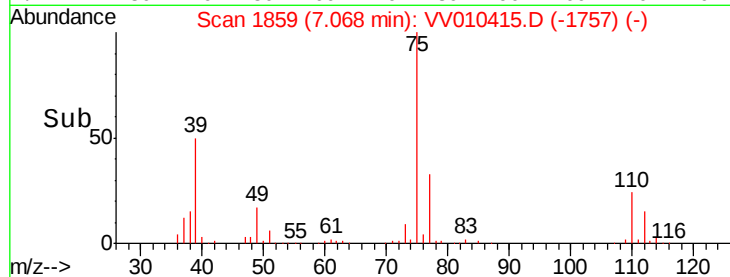
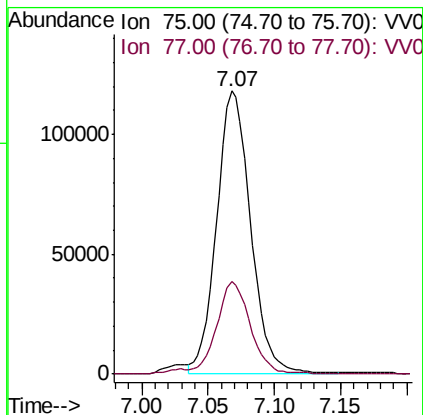
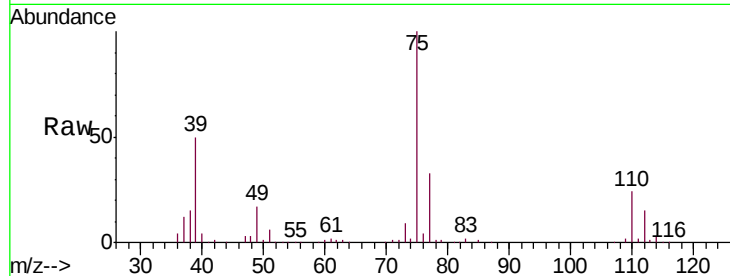


#42

cis-1,3-Dichloropropene
 Concen: 25.403 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV82

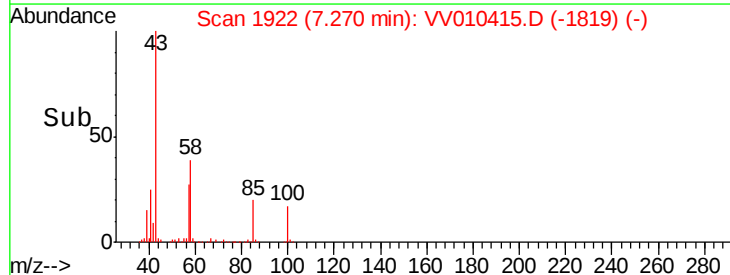
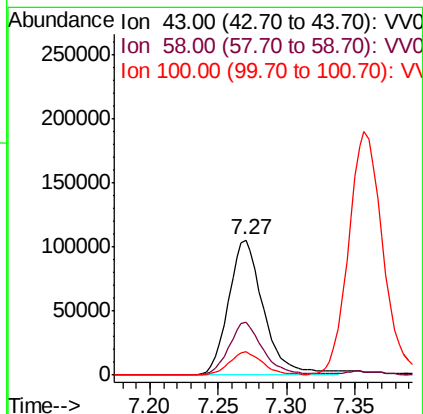
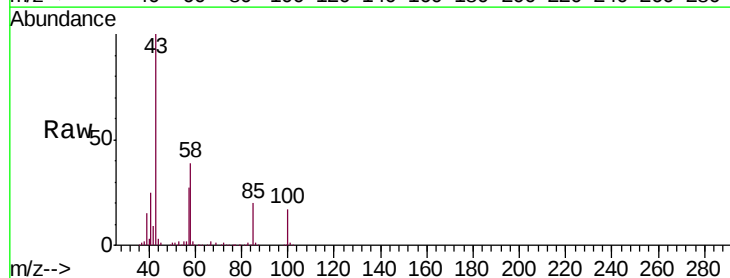
Tgt Ion: 75 Resp: 209518
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.9 42.5

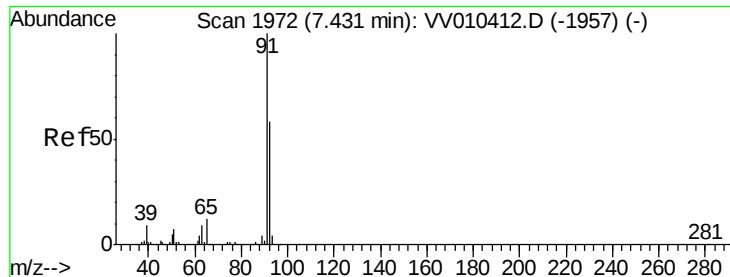


#43

4-Methyl-2-pentanone
 Concen: 50.853 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

Tgt Ion: 43 Resp: 188620
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.2 45.2
 100 16.3 12.9 19.3





#44

Toluene

Concen: 23.883 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_V

ClientSampled :

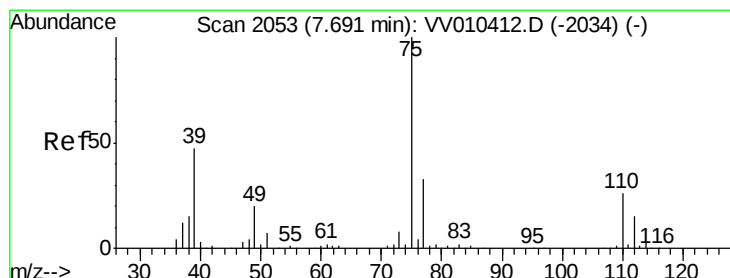
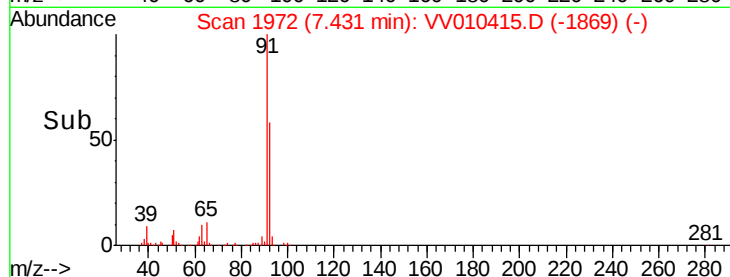
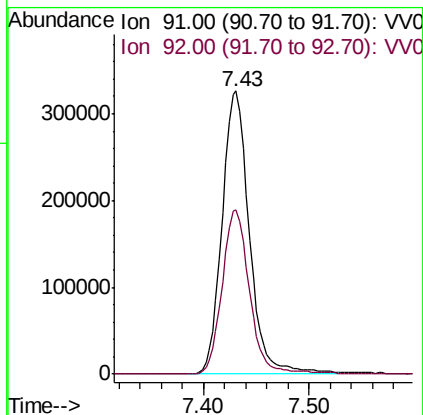
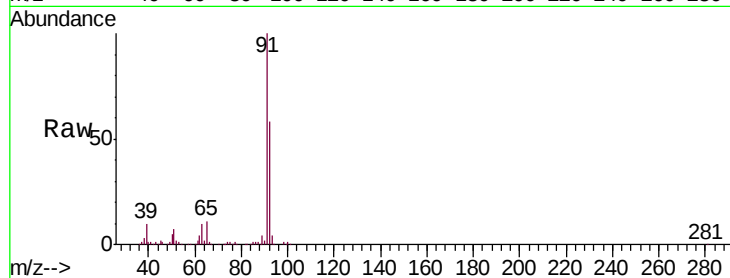
VICV82

Tgt Ion: 91 Resp: 585713

Ion Ratio Lower Upper

91 100

92 58.3 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 25.542 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV010415.D

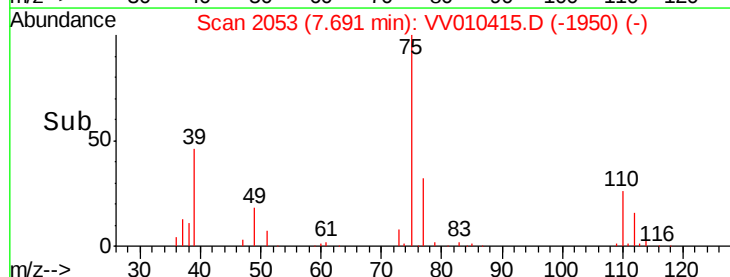
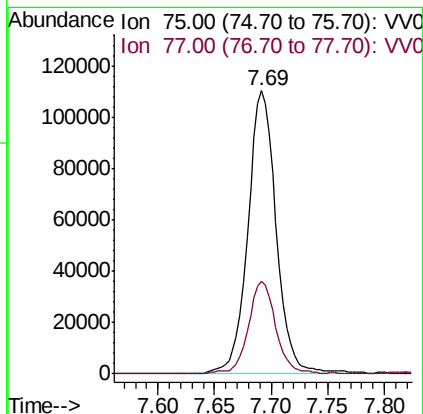
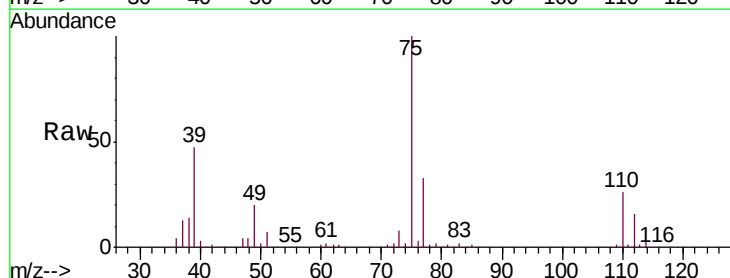
Acq: 22 Apr 2019 15:11

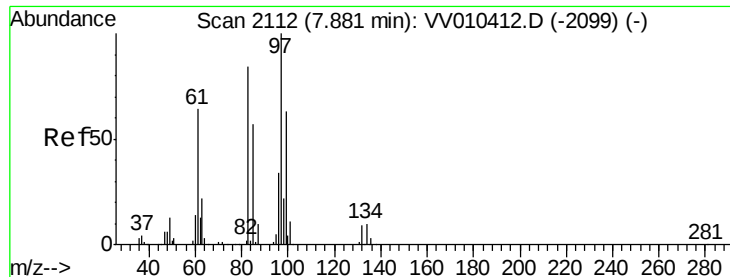
Tgt Ion: 75 Resp: 192346

Ion Ratio Lower Upper

75 100

77 32.6 23.1 42.9

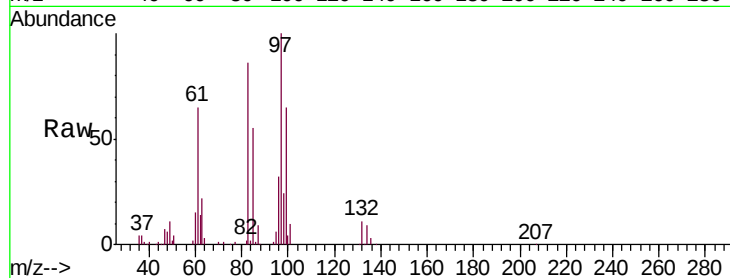




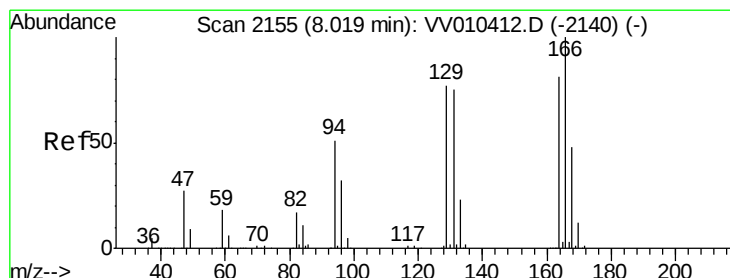
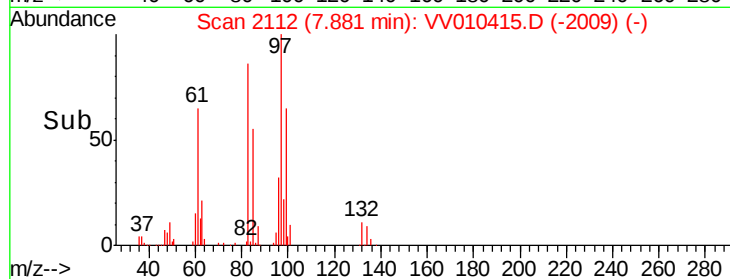
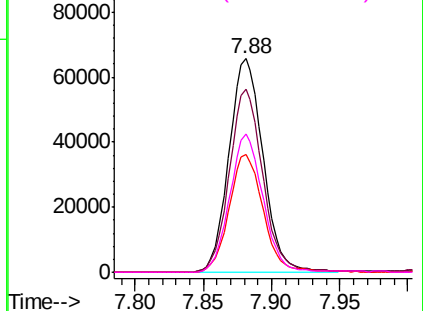
#46
 1,1,2-Trichloroethane
 Concen: 25.499 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV82

Tgt Ion:	97	Resp:	114222
Ion	Ratio	Lower	Upper
97	100		
83	86.0	58.9	109.3
85	55.1	40.2	74.6
99	64.8	44.1	81.9



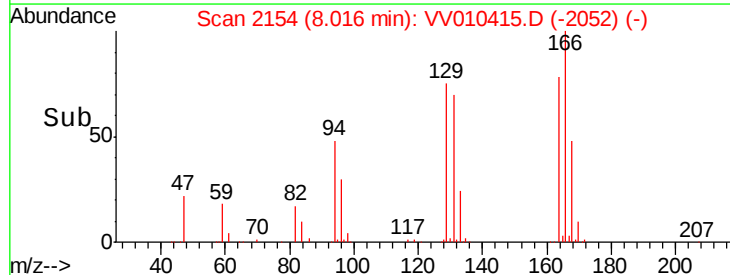
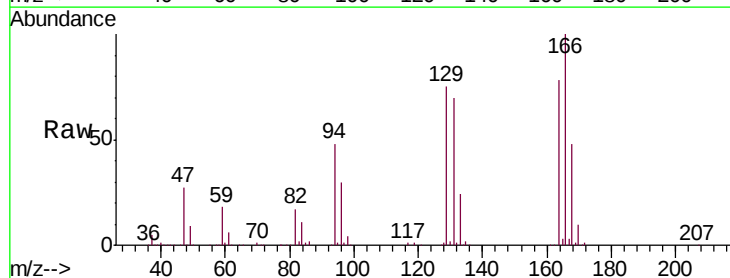
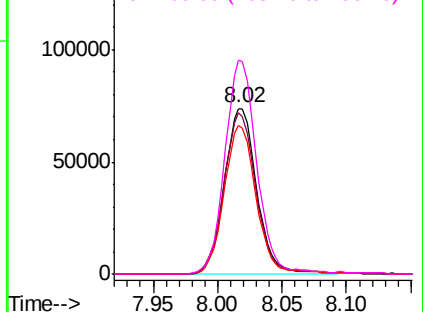
Abundance Ion 97.00 (96.70 to 97.70): VV010415.D (-2052) (-)

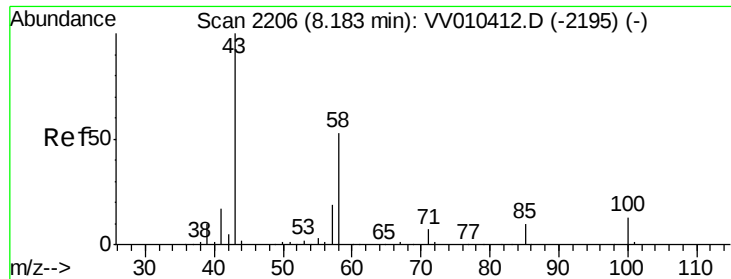


#47
 Tetrachloroethene
 Concen: 23.643 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

Tgt Ion:	164	Resp:	129156
Ion	Ratio	Lower	Upper
164	100		
129	97.2	67.1	124.5
131	90.0	64.6	120.0
166	128.9	86.7	160.9

Abundance Ion 164.00 (163.70 to 164.70): VV010415.D (-2052) (-)

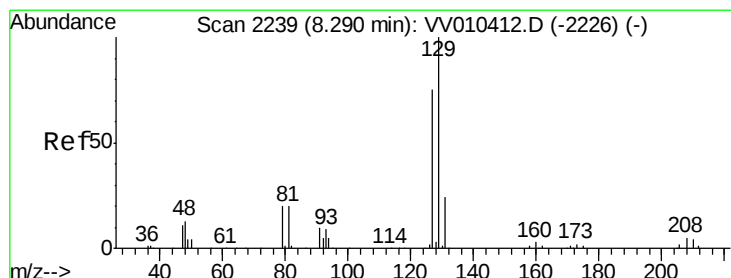
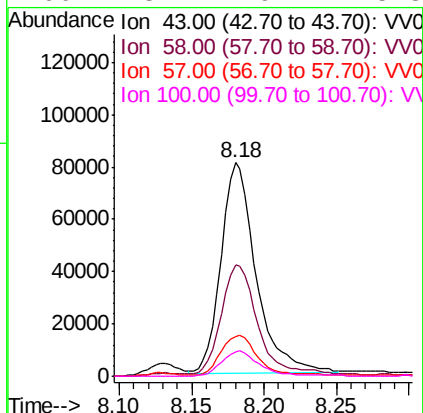
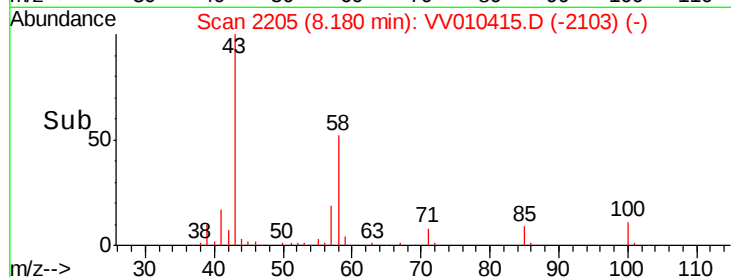
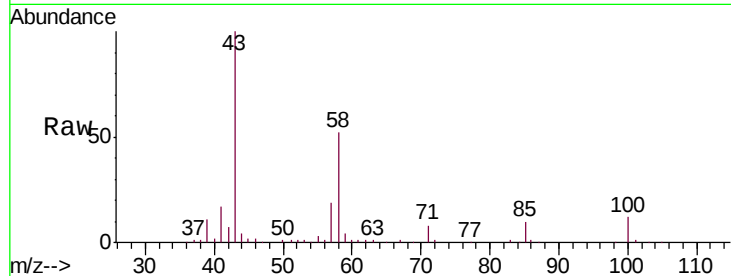




#49
2-Hexanone
Concen: 50.986 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV010415.D
Acq: 22 Apr 2019 15:11

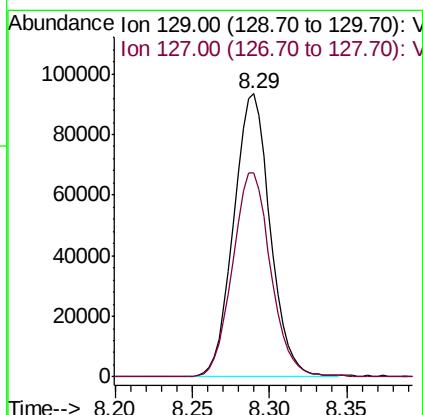
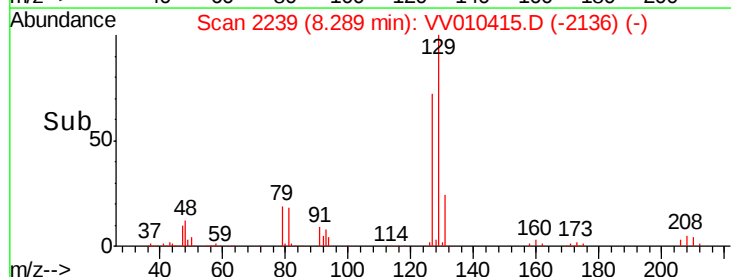
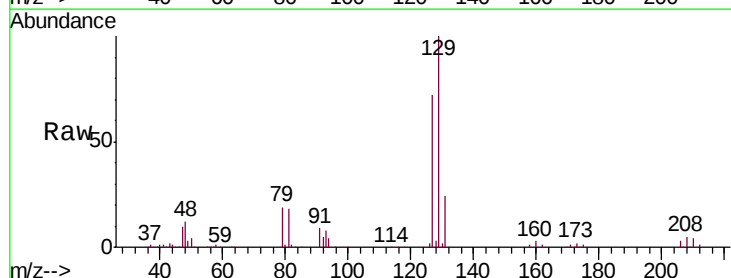
Instrument :
MSVOA_V
ClientSampleId :
VICV82

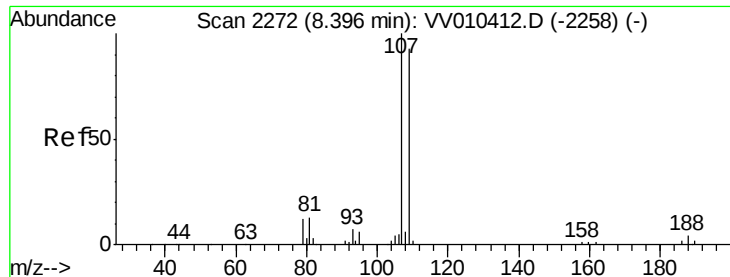
Tgt Ion: 43 Resp: 134263
Ion Ratio Lower Upper
43 100
58 52.3 37.6 56.4
57 20.0 15.8 23.8
100 13.1 9.2 13.8



#50
Dibromochloromethane
Concen: 25.378 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010415.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 129 Resp: 153251
Ion Ratio Lower Upper
129 100
127 72.2 52.4 97.4

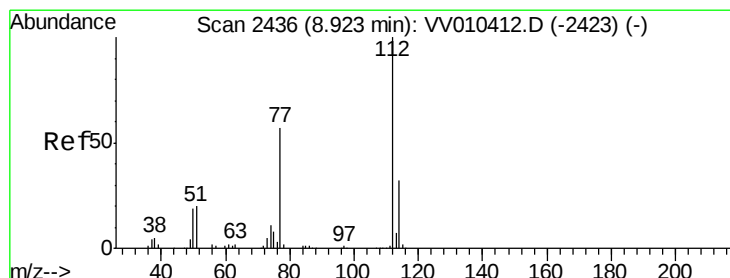
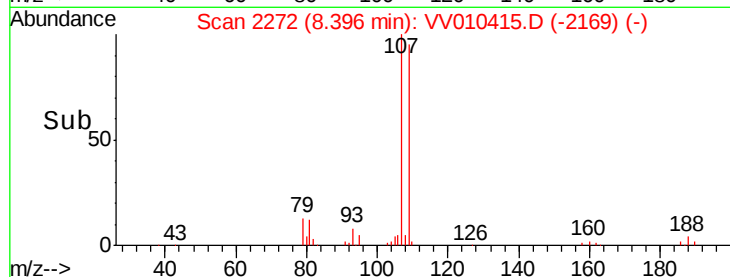
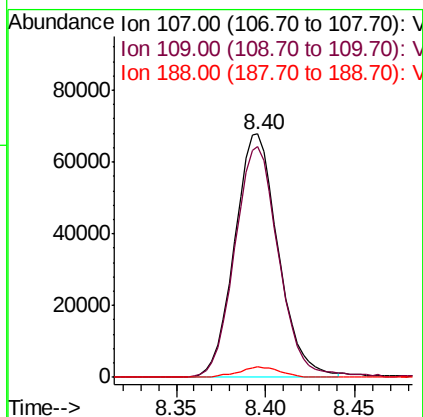
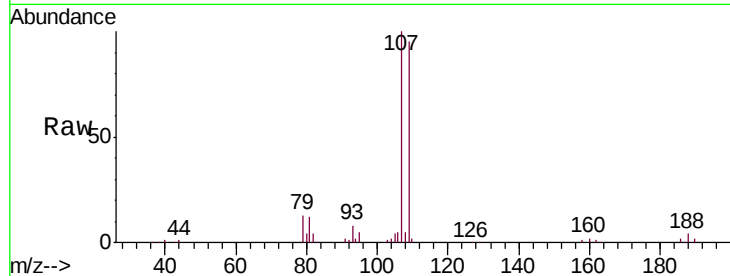




#51
 1,2-Dibromoethane
 Concen: 24.616 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

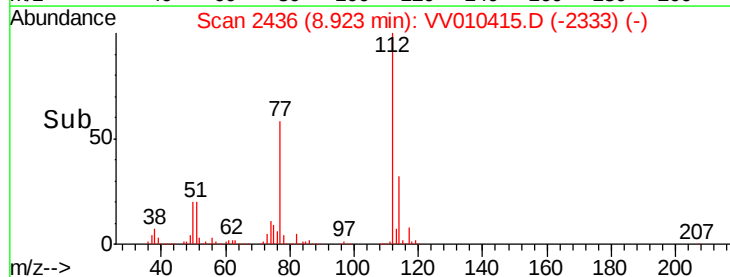
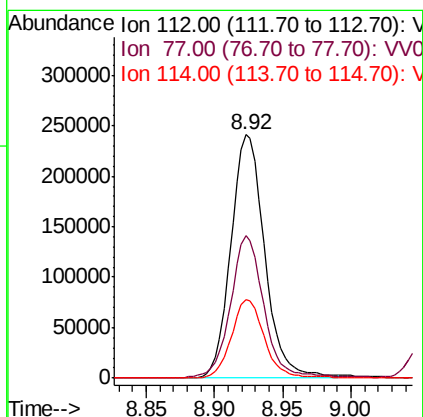
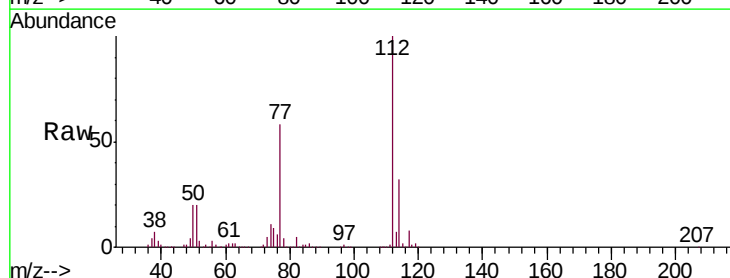
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV82

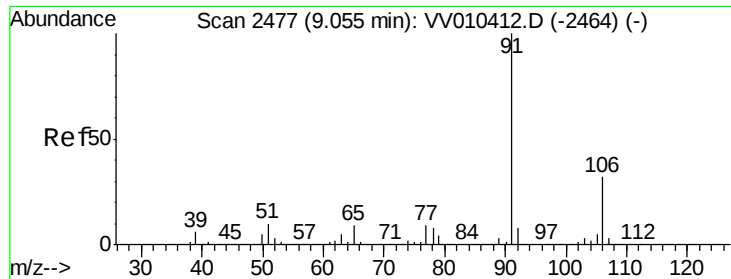
Tgt Ion:107 Resp: 115698
 Ion Ratio Lower Upper
 107 100
 109 94.7 64.9 120.5
 188 4.2 3.0 4.6



#52
 Chlorobenzene
 Concen: 24.178 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

Tgt Ion:112 Resp: 415715
 Ion Ratio Lower Upper
 112 100
 77 58.4 46.2 69.2
 114 32.4 22.5 41.7

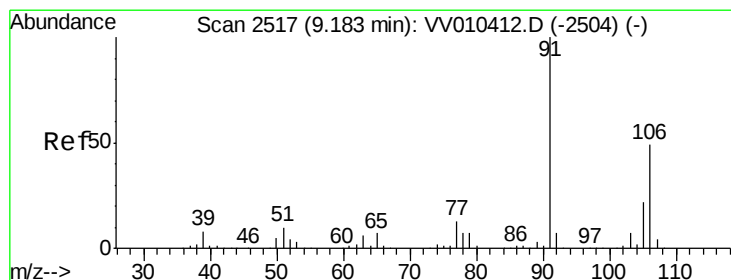
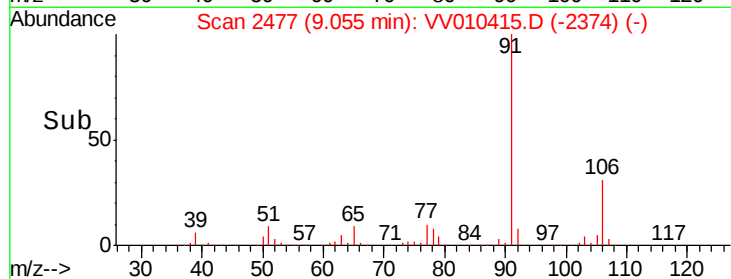
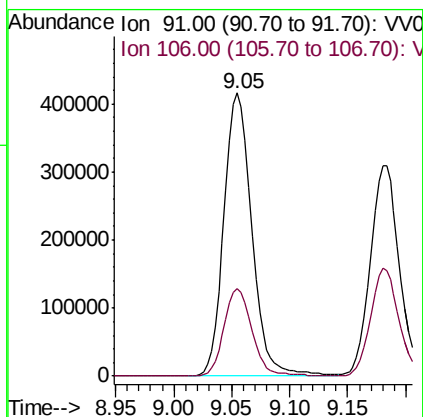
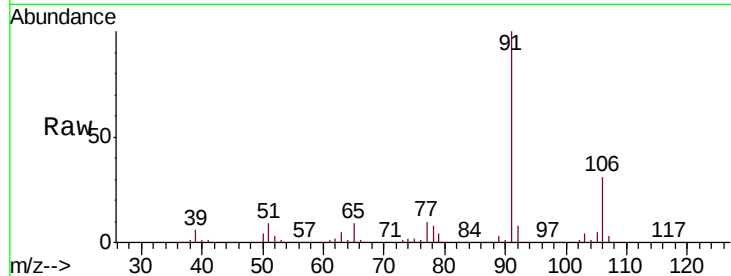




#53
Ethylbenzene
Concen: 24.241 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV010415.D
Acq: 22 Apr 2019 15:11

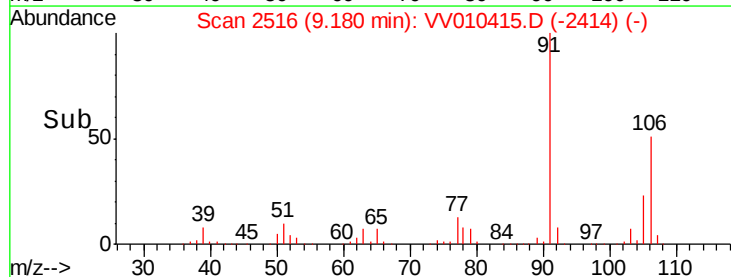
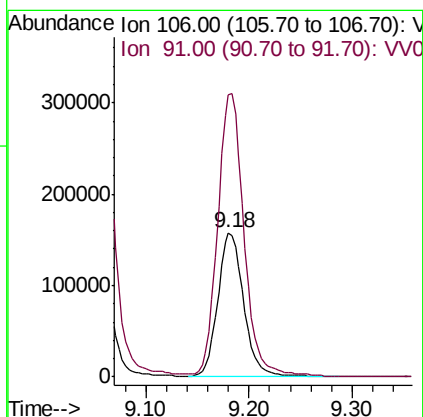
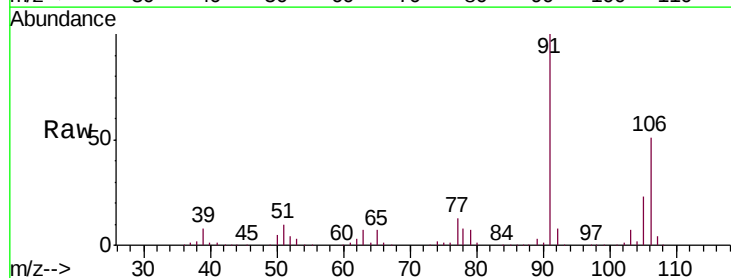
Instrument :
MSVOA_V
ClientSampleId :
VICV82

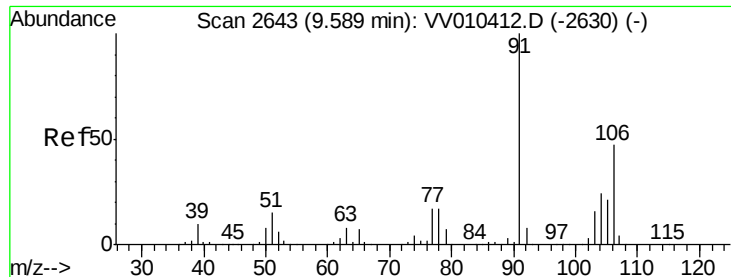
Tgt Ion: 91 Resp: 695103
Ion Ratio Lower Upper
91 100
106 31.0 22.5 41.9



#54
m,p-Xylene
Concen: 24.512 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV010415.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 106 Resp: 275536
Ion Ratio Lower Upper
106 100
91 195.7 142.5 264.7





#55

o-xylene

Concen: 23.758 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_V

ClientSampled :

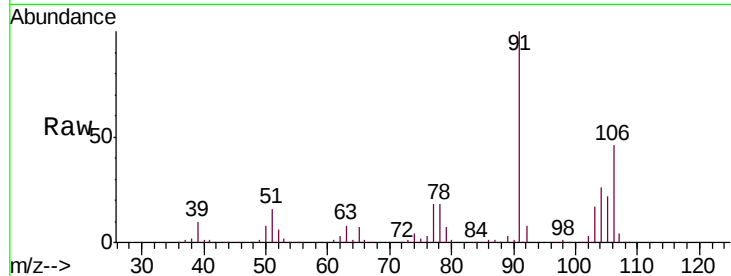
VICV82

Tgt Ion:106 Resp: 266021

Ion Ratio Lower Upper

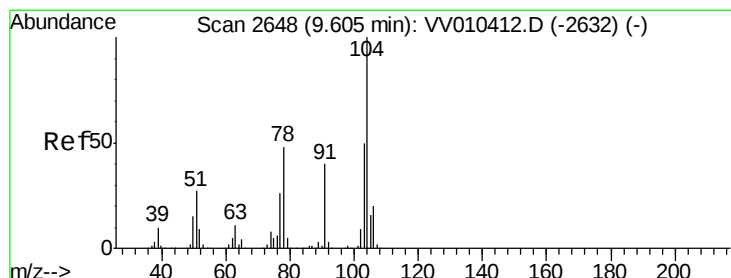
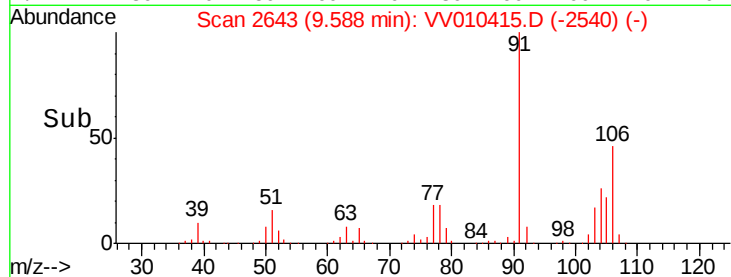
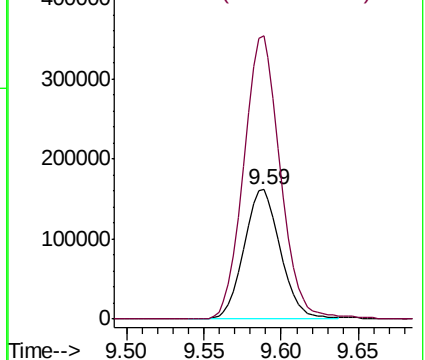
106 100

91 218.9 148.5 275.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 24.700 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV010415.D

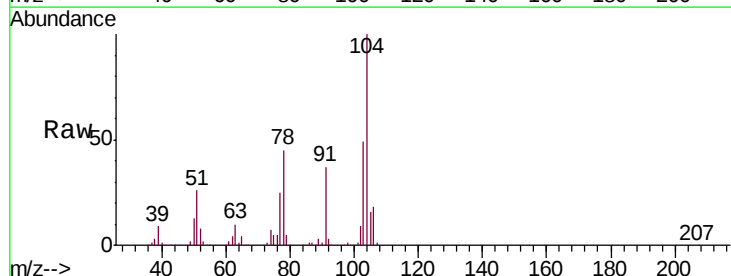
Acq: 22 Apr 2019 15:11

Tgt Ion:104 Resp: 456304

Ion Ratio Lower Upper

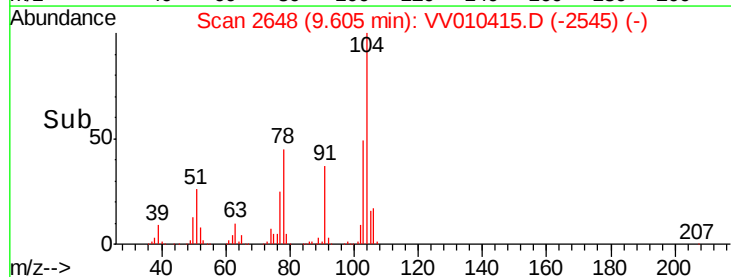
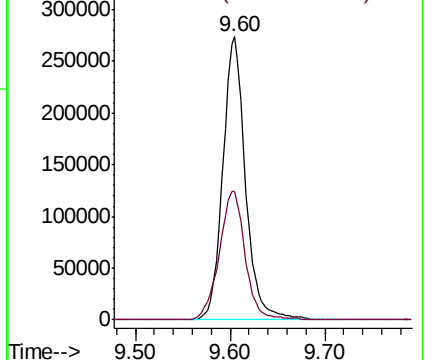
104 100

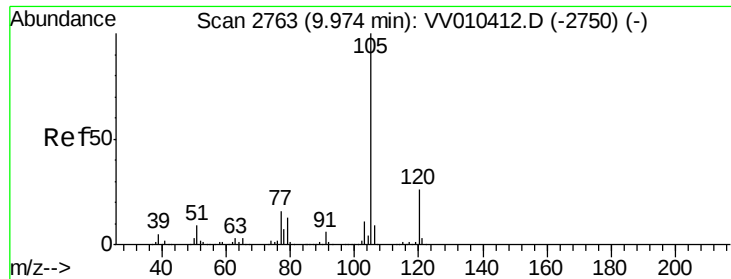
78 45.2 33.3 61.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 23.956 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

VICV82

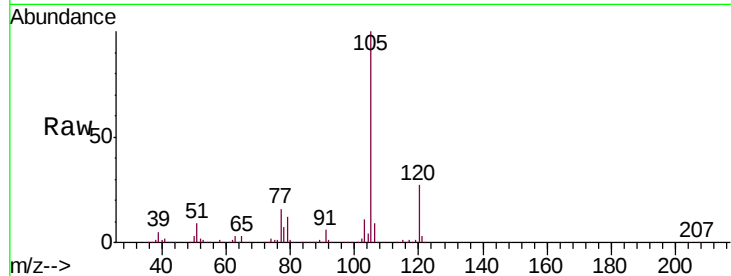
Tgt Ion: 105 Resp: 724685

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.0

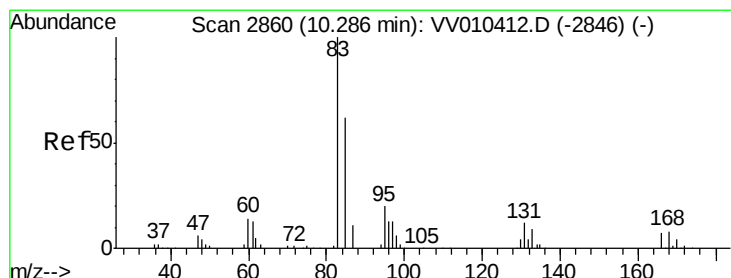
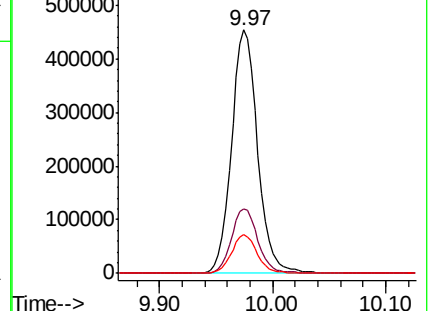
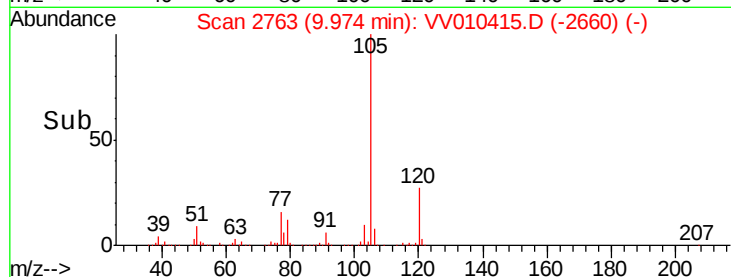
77 15.8 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.891 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

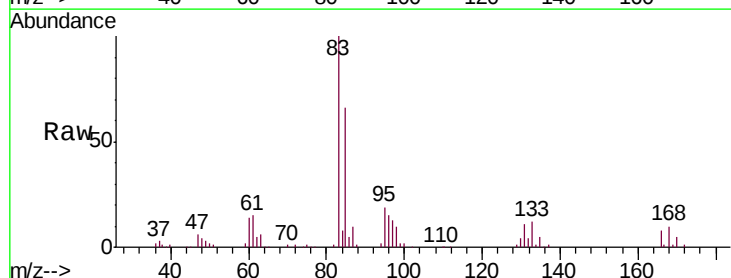
Tgt Ion: 83 Resp: 144443

Ion Ratio Lower Upper

83 100

85 66.1 43.6 81.0

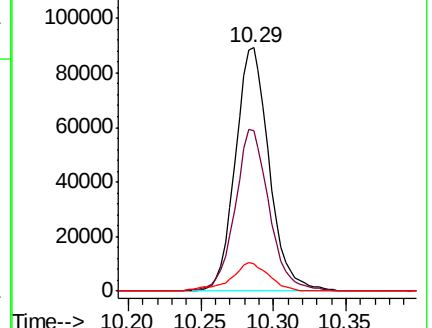
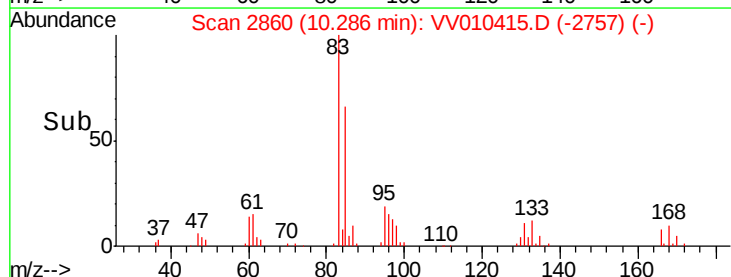
131 11.1 9.8 14.6

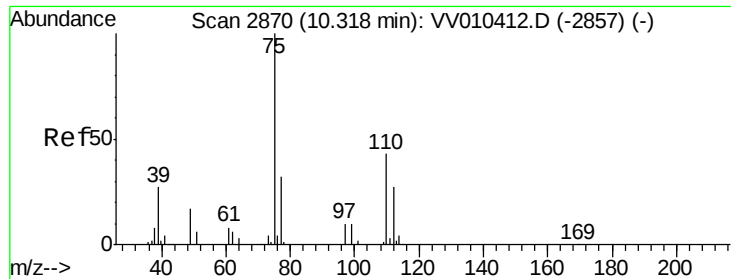


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

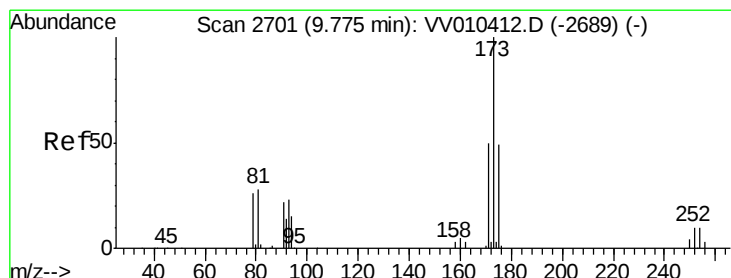
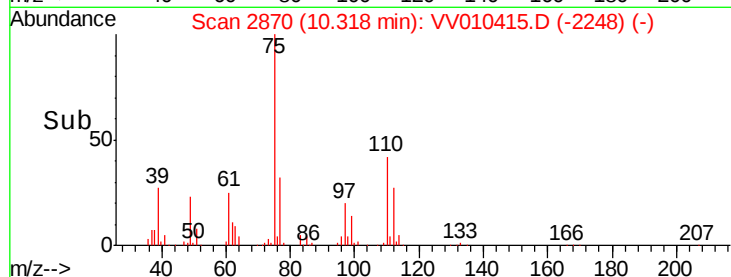
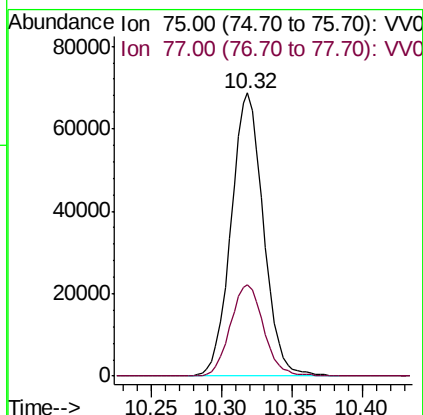
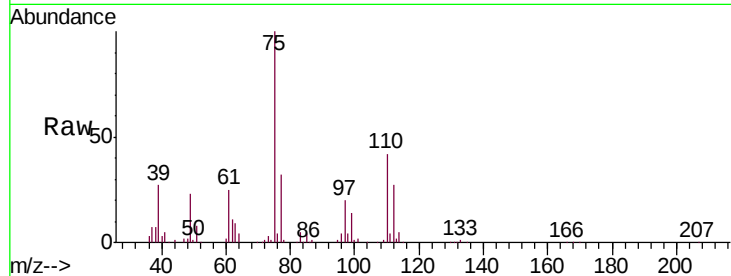




#59
 1,2,3-Trichloropropane
 Concen: 25.658 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

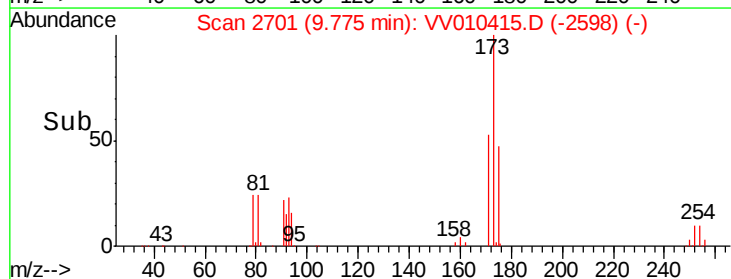
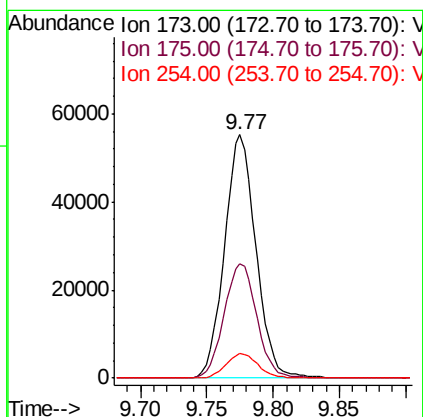
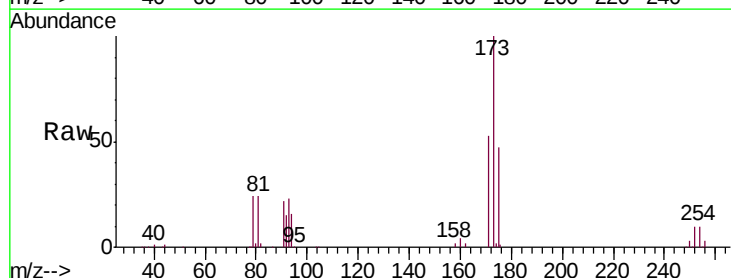
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV82

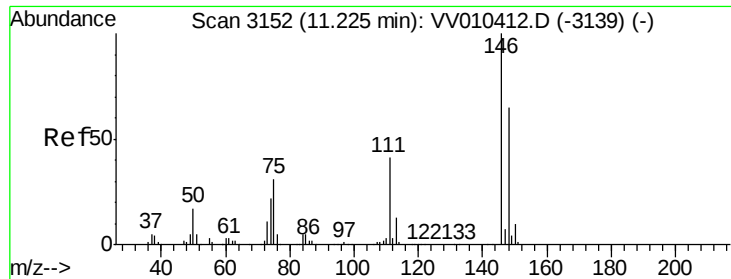
Tgt Ion: 75 Resp: 110318
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.2 39.2



#62
 Bromoform
 Concen: 24.895 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

Tgt Ion: 173 Resp: 90985
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.3 58.9
 254 10.1 8.2 12.4

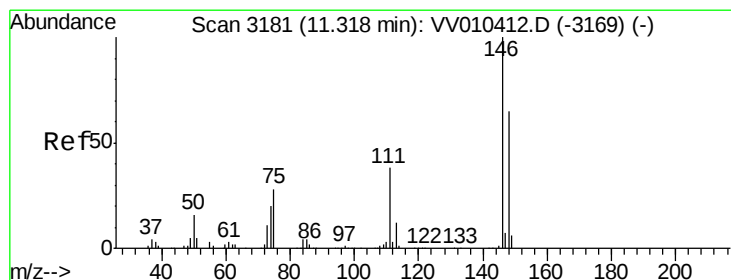
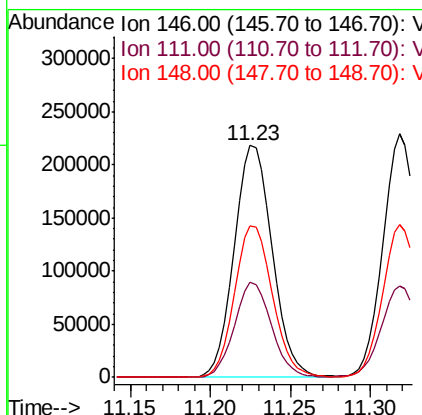
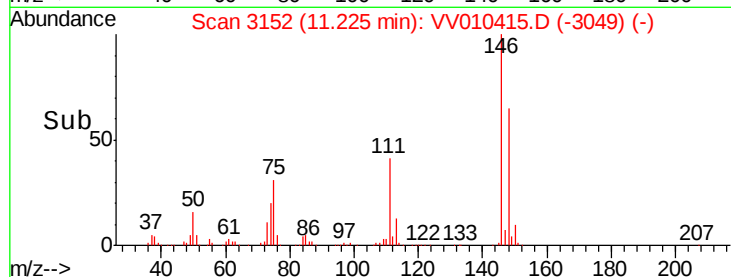
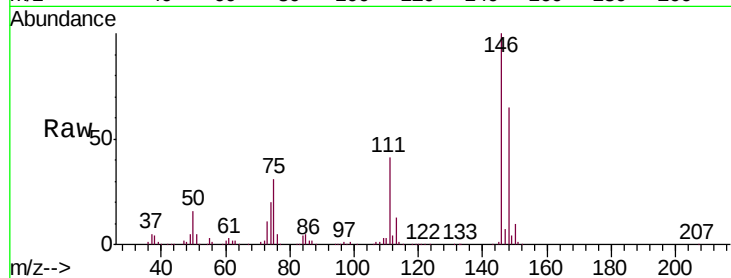




#63
 1,3-Dichlorobenzene
 Concen: 24.823 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

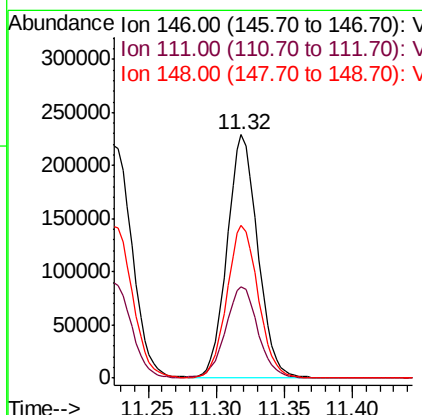
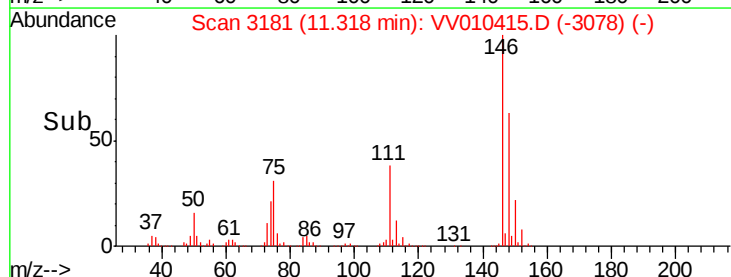
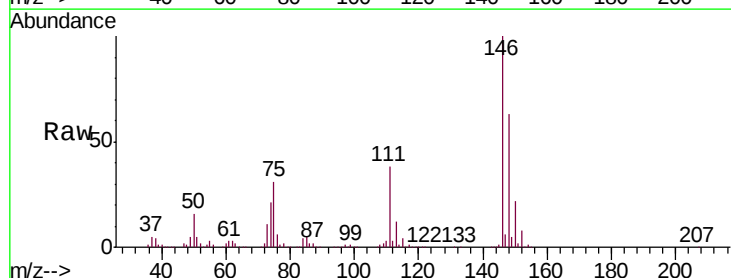
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV82

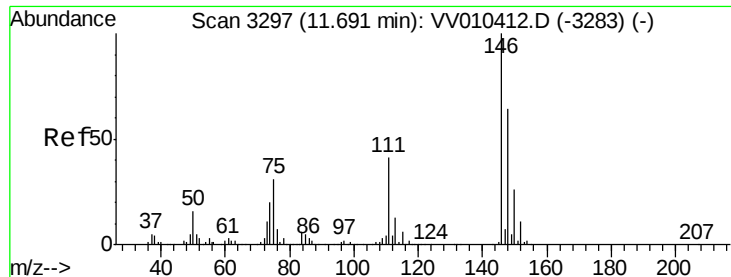
Tgt Ion:146 Resp: 354263
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.8 53.4
 148 65.4 45.6 84.6



#64
 1,4-Dichlorobenzene
 Concen: 24.554 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

Tgt Ion:146 Resp: 358731
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.9 49.9
 148 62.7 45.6 84.6





#65

1,2-Dichlorobenzene

Concen: 24.949 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_V

ClientSampled :

VICV82

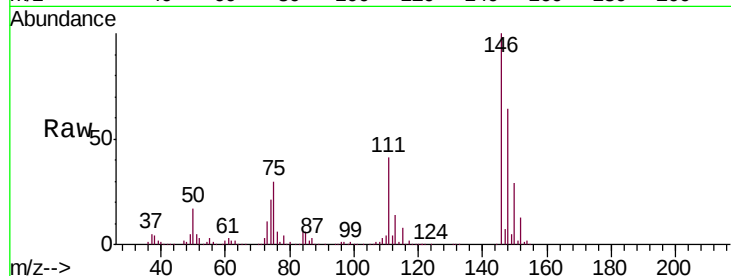
Tgt Ion:146 Resp: 346012

Ion Ratio Lower Upper

146 100

111 41.3 32.9 49.3

148 63.7 51.4 77.2

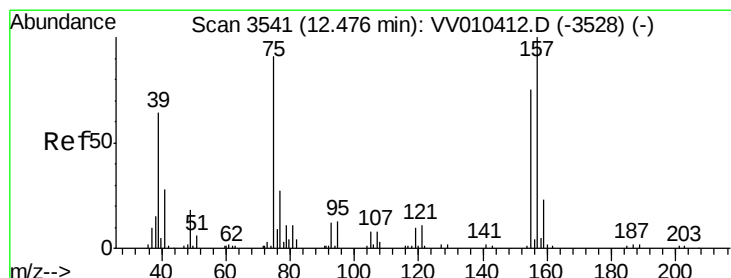
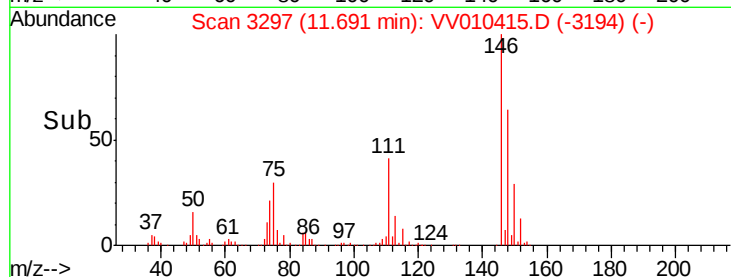
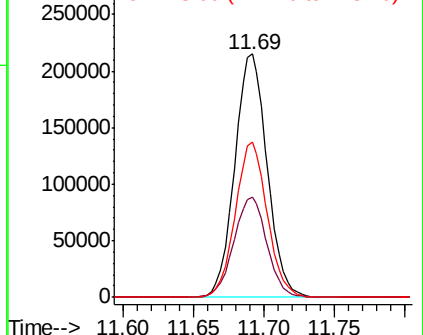


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 26.776 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

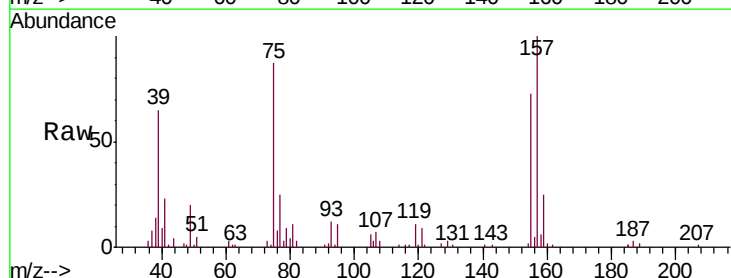
Tgt Ion: 75 Resp: 24612

Ion Ratio Lower Upper

75 100

157 115.2 88.2 132.2

155 83.9 66.4 99.6

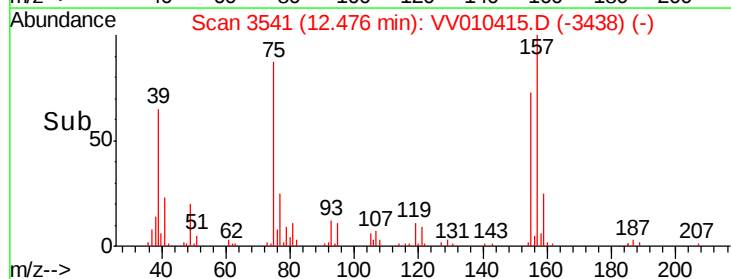
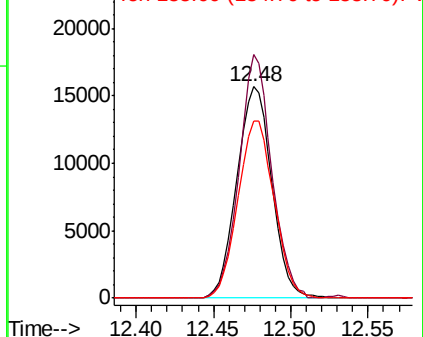


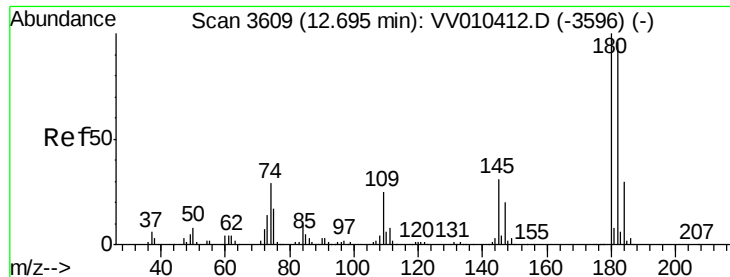
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

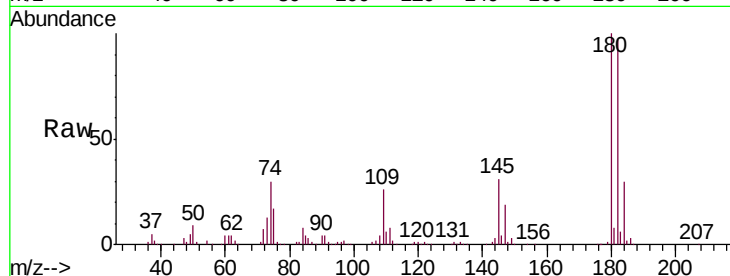




#67
 1,3,5-Trichlorobenzene
 Concen: 24.702 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

Instrument :
 MSVOA_V
 ClientSampled :
 VICV82

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.2	114.2
184	30.1	24.1	36.1
145	31.6	24.5	36.7



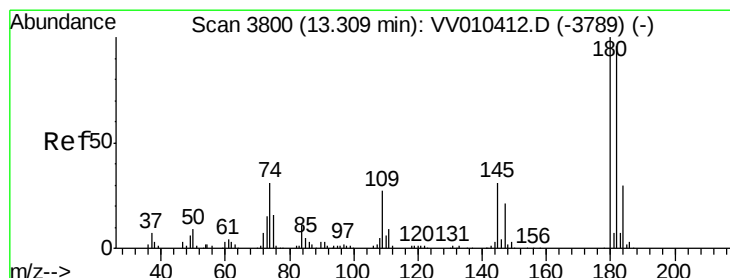
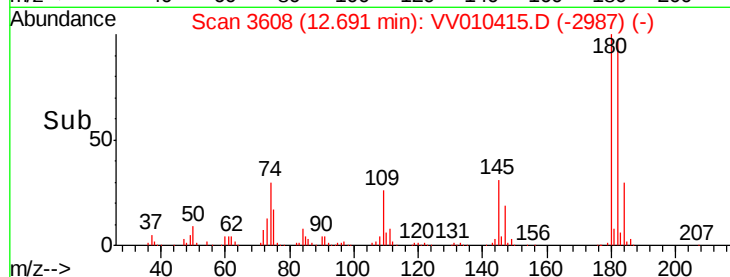
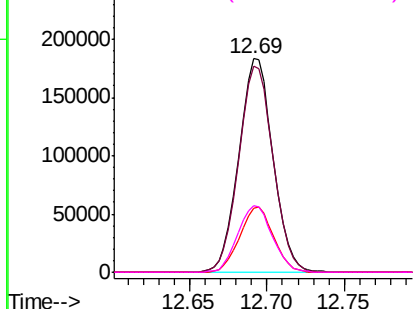
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

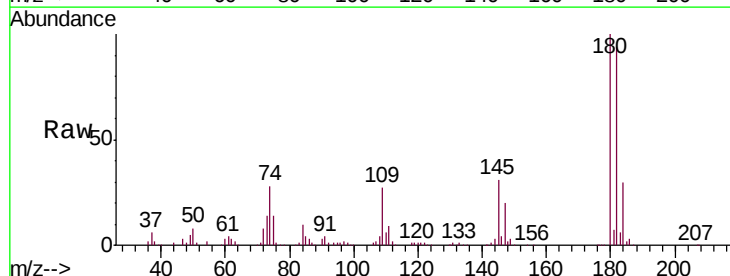
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.405 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV010415.D
 Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.3	114.5
145	30.6	25.1	37.7

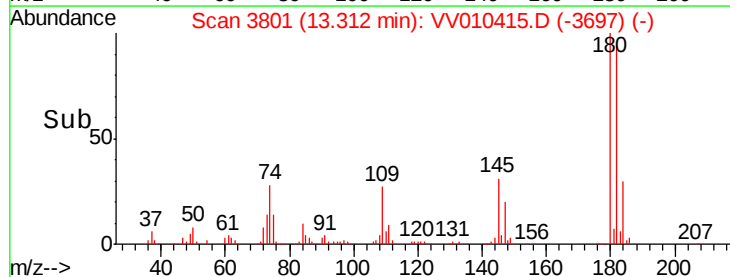
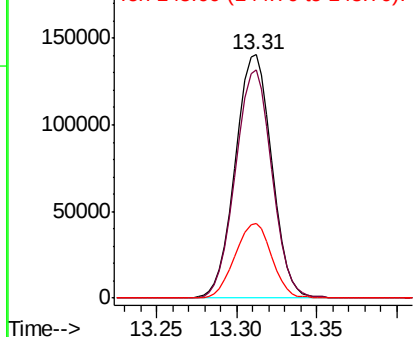


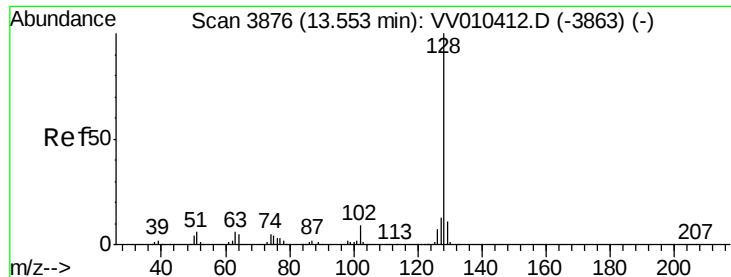
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.907 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

VICV82

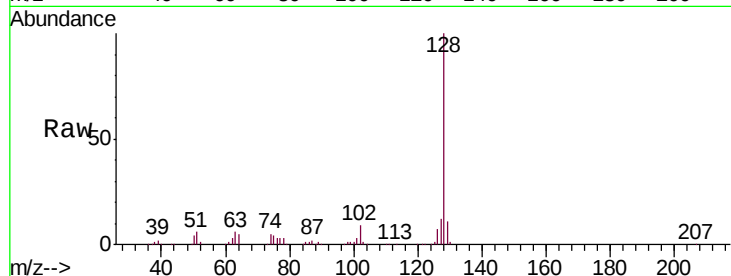
Tgt Ion:128 Resp: 372044

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

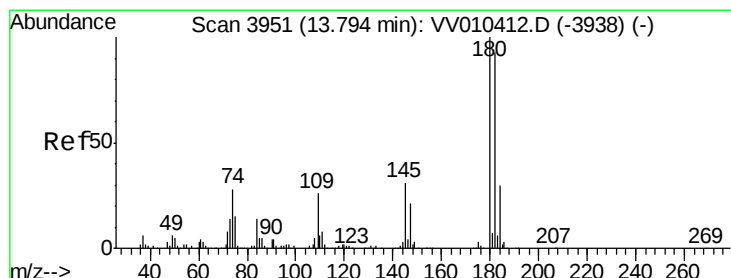
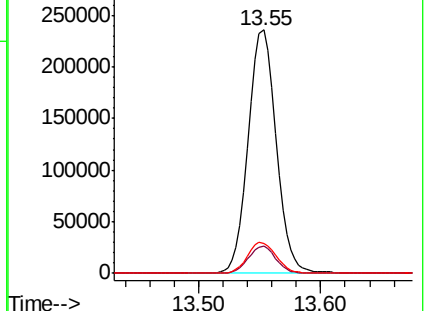
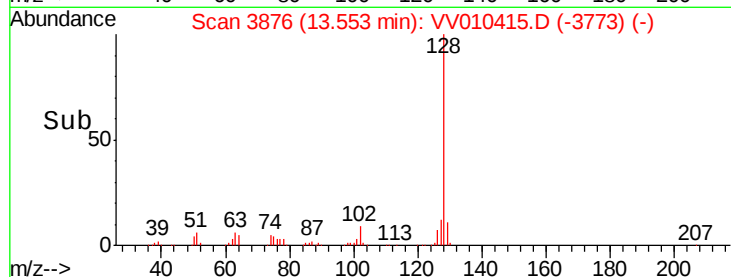
127 13.0 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.807 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV010415.D

Acq: 22 Apr 2019 15:11

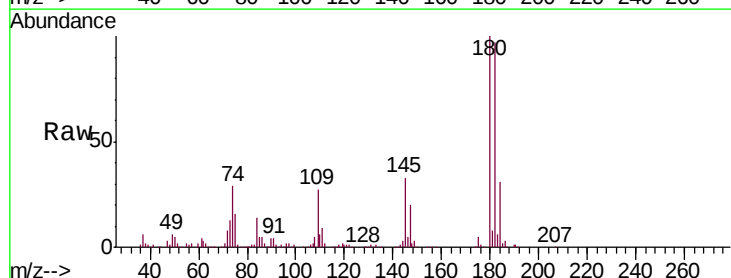
Tgt Ion:180 Resp: 205503

Ion Ratio Lower Upper

180 100

182 96.6 76.6 114.8

145 33.1 25.8 38.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

