

Data File : VV010457.D
Acq On : 24 Apr 2019 12:43
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV38

Quant Time: Apr 25 02:23:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 02:19:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	287573	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	276137	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	144242	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71281	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.58	69	55713	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.13	63	145272	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.60%
20) 2-Butanone-d5	3.98	46	161798	45.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.04%
24) Chloroform-d	4.40	84	154927	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.09	65	77981	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	5.10	84	299689	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.12	67	87727	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.36	98	301055	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.67	79	34227	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.14	63	132677	45.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.16%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	66057	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	118161	4.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	106875	4.765	ug/L 96
3) Chloromethane	1.25	50	80660	4.453	ug/L 99
5) Vinyl chloride	1.32	62	89988	4.591	ug/L 97
6) Bromomethane	1.54	94	60216	4.673	ug/L 97
8) Chloroethane	1.60	64	50940	4.628	ug/L 97
9) Trichlorofluoromethane	1.77	101	164497	4.528	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	91828	4.804	ug/L 96
12) 1,1-Dichloroethene	2.14	96	79711	4.599	ug/L 98
13) Acetone	2.23	43	96619	45.179	ug/L 96
14) Carbon disulfide	2.32	76	215733	4.606	ug/L 100
15) Methyl Acetate	2.47	43	24162	4.361	ug/L 98
16) Methylene chloride	2.54	84	81027	4.281	ug/L 97
17) Methyl tert-butyl Ether	2.82	73	184260	4.527	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	88617	4.689	ug/L 95
19) 1,1-Dichloroethane	3.23	63	140369	4.659	ug/L 98
21) 2-Butanone	4.06	43	181081	48.306	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	90462	4.594	ug/L 99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 02:19:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	40784	4.750	ug/L	96
25) Chloroform	4.43	83	166214	4.681	ug/L	98
27) 1,2-Dichloroethane	5.18	62	96114	4.613	ug/L	96
29) 1,1,1-Trichloroethane	4.65	97	155177	4.825	ug/L	97
30) Cyclohexane	4.72	56	130975	4.828	ug/L	97
31) Carbon tetrachloride	4.87	117	141866	4.853	ug/L	99
33) Benzene	5.14	78	337475	4.780	ug/L	100
34) Trichloroethene	5.96	95	97435	4.783	ug/L	95
35) Methylcyclohexane	6.17	83	146000	4.776	ug/L	99
37) 1,2-Dichloropropane	6.22	63	81574	4.761	ug/L	100
38) Bromodichloromethane	6.56	83	110584	4.795	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	122983	4.840	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	462763	47.770	ug/L	99
42) Toluene	7.43	91	381614	4.750	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	93823	4.781	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	59681	4.755	ug/L	93
47) Tetrachloroethene	8.02	164	83565	4.594	ug/L	96
48) 2-Hexanone	8.19	43	340181	50.484	ug/L	97
49) Dibromochloromethane	8.29	129	76337	4.709	ug/L	95
50) 1,2-Dibromoethane	8.40	107	57226	4.704	ug/L	90
51) Chlorobenzene	8.93	112	256039	4.692	ug/L	97
52) Ethylbenzene	9.05	91	427911	4.794	ug/L	100
53) m,p-xylene	9.18	106	168260	4.794	ug/L	98
54) o-xylene	9.59	106	161671	4.695	ug/L	97
55) Styrene	9.60	104	272408	4.876	ug/L	99
56) Isopropylbenzene	9.97	105	439429	4.791	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	67376	4.668	ug/L	93
59) 1,2,3-Trichloropropane	10.32	75	48746	4.600	ug/L	99
61) Bromoform	9.77	173	39862	4.662	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	215284	4.790	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	215811	4.768	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	200600	4.705	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10332	4.474	ug/L #	78
67) 1,3,5-Trichlorobenzene	12.69	180	177850	4.832	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	141102	5.067	ug/L	100
69) Naphthalene	13.55	128	206322	4.993	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	129850	4.918	ug/L	99

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

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Instrument :
MSVOA_V
ClientSampleId :
VICV38

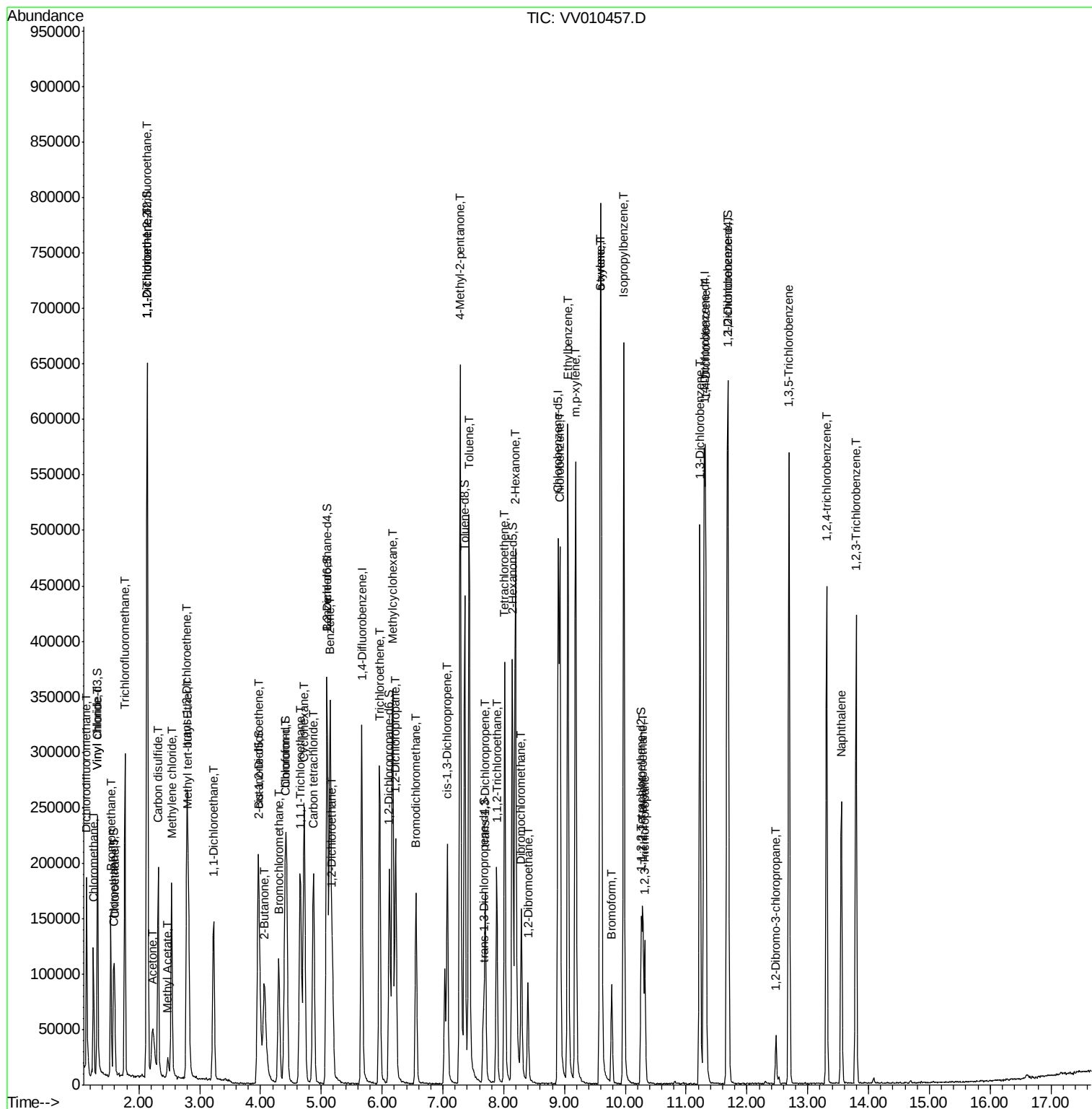
Quant Time: Apr 25 02:23:59 2019

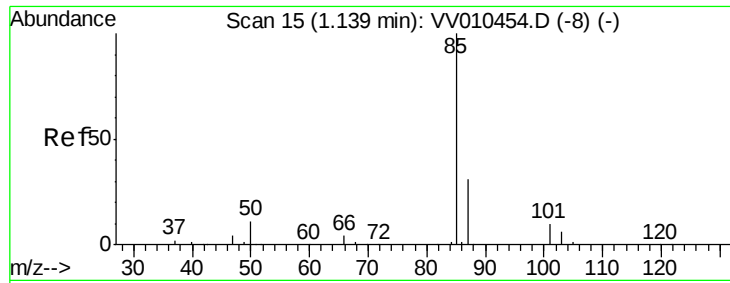
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR042419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Apr 25 02:19:56 2019

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#2

Dichlorodifluoromethane

Concen: 4.765 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

Instrument :

MSVOA_V

ClientSampled :

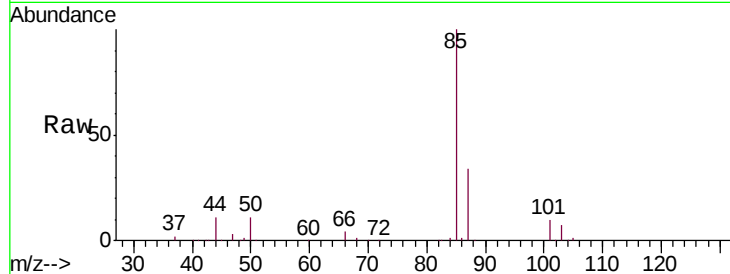
VICV38

Tgt Ion: 85 Resp: 106875

Ion Ratio Lower Upper

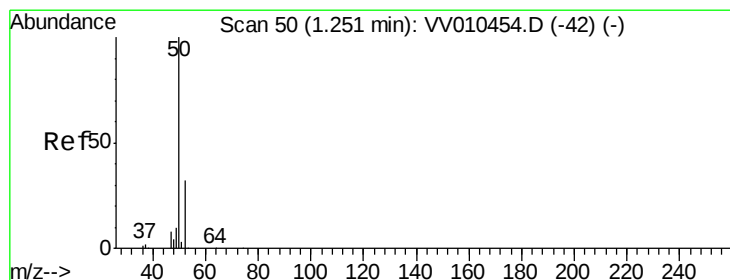
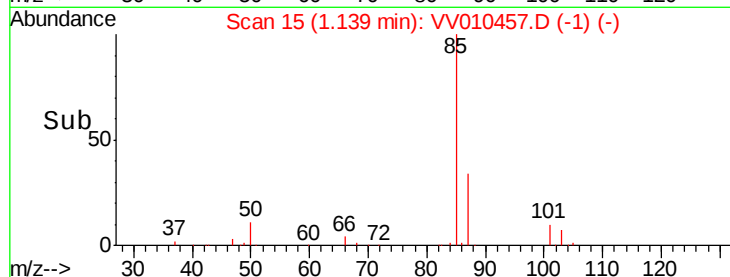
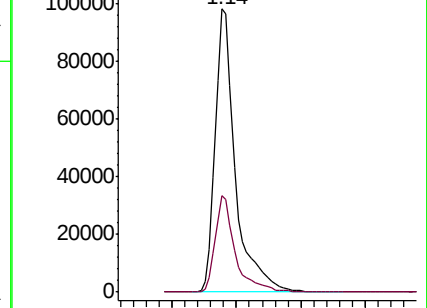
85 100

87 33.4 24.8 37.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.453 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010457.D

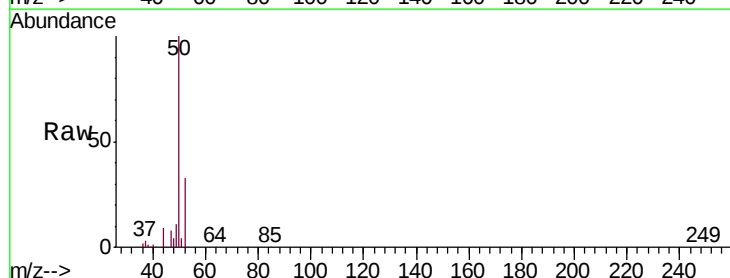
Acq: 24 Apr 2019 12:43

Tgt Ion: 50 Resp: 80660

Ion Ratio Lower Upper

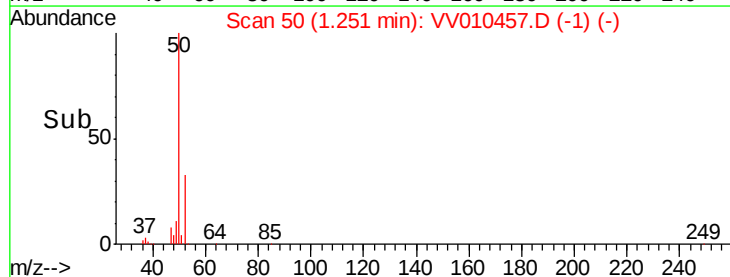
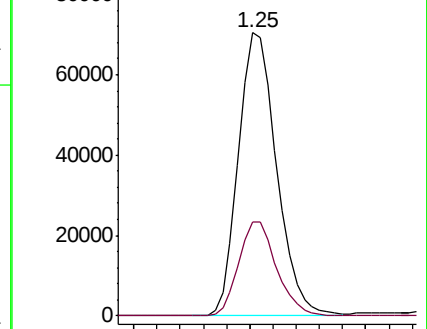
50 100

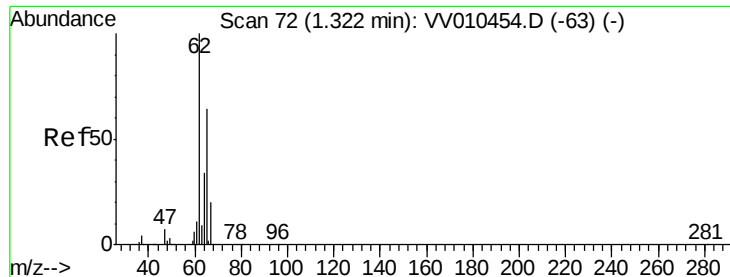
52 33.3 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.591 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

Instrument :

MSVOA_V

ClientSampleId :

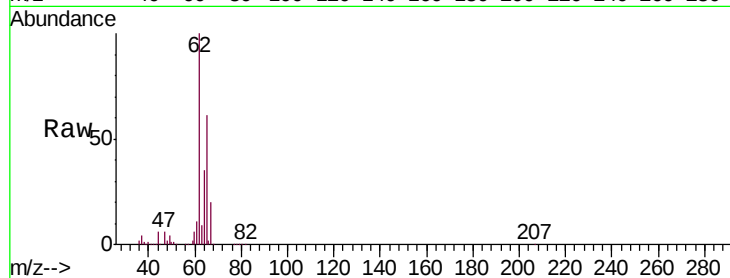
VICV38

Tgt Ion: 62 Resp: 89988

Ion Ratio Lower Upper

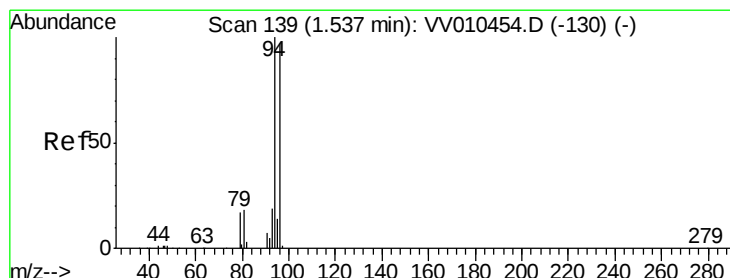
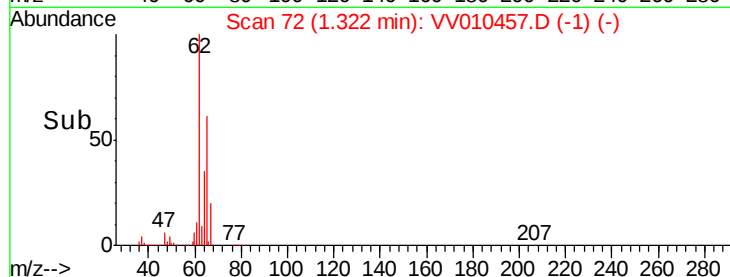
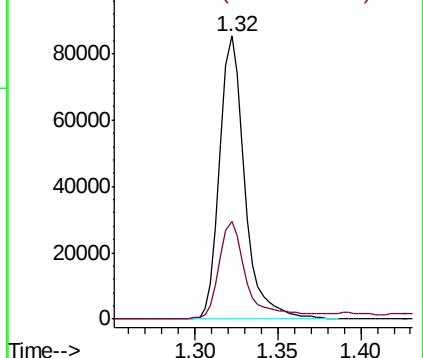
62 100

64 34.5 25.4 47.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.673 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV010457.D

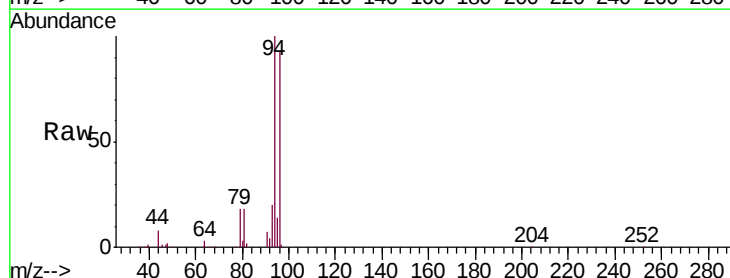
Acq: 24 Apr 2019 12:43

Tgt Ion: 94 Resp: 60216

Ion Ratio Lower Upper

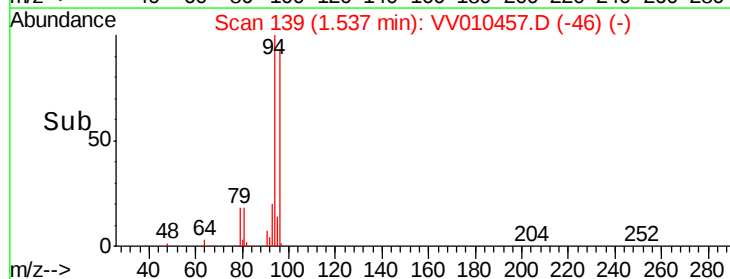
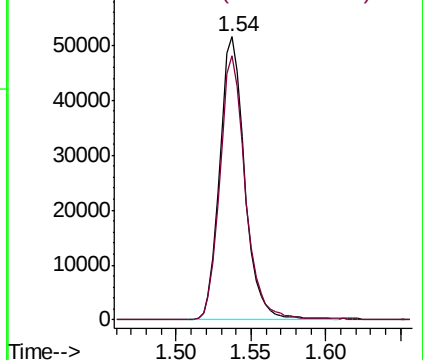
94 100

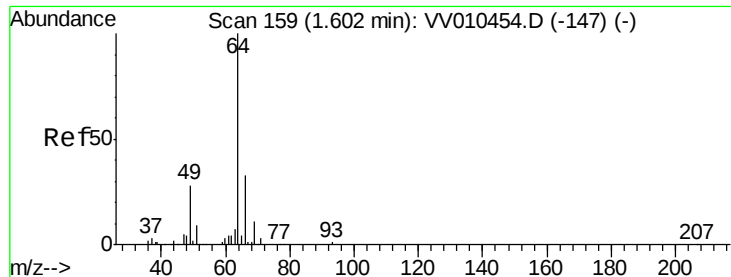
96 93.2 67.6 125.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.628 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

Instrument :

MSVOA_V

ClientSampleId :

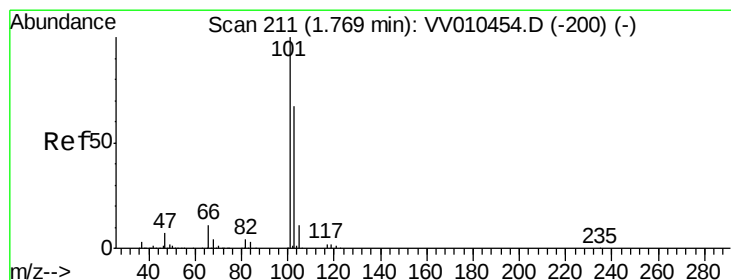
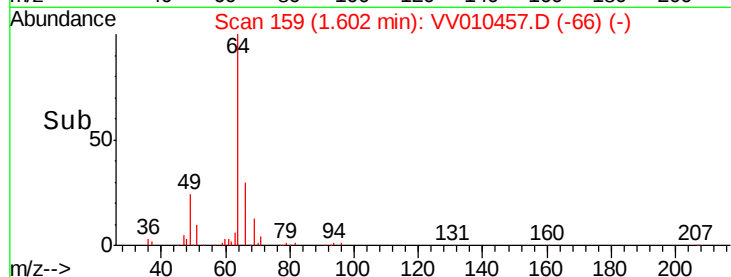
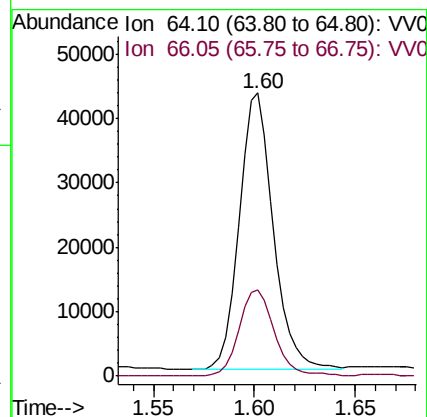
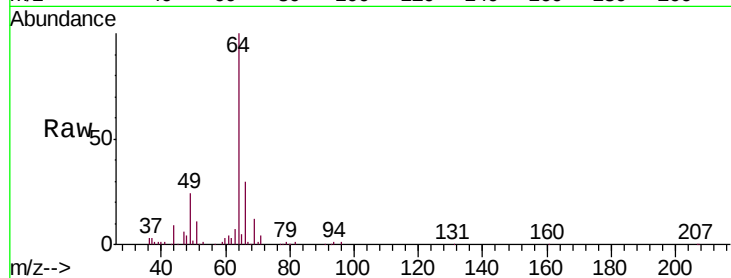
VICV38

Tgt Ion: 64 Resp: 50940

Ion Ratio Lower Upper

64 100

66 30.4 22.5 41.9



#9

Trichlorofluoromethane

Concen: 4.528 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV010457.D

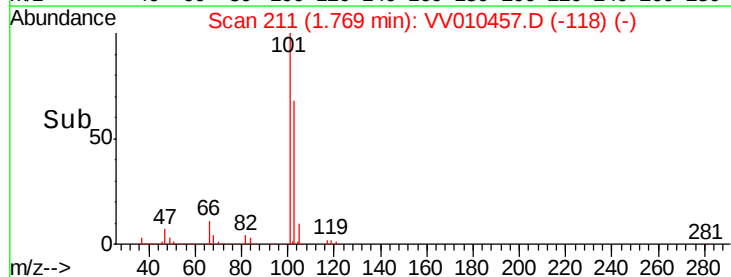
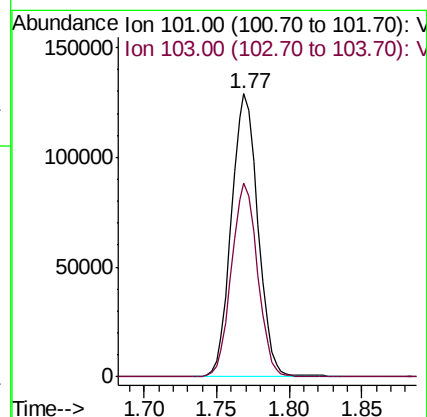
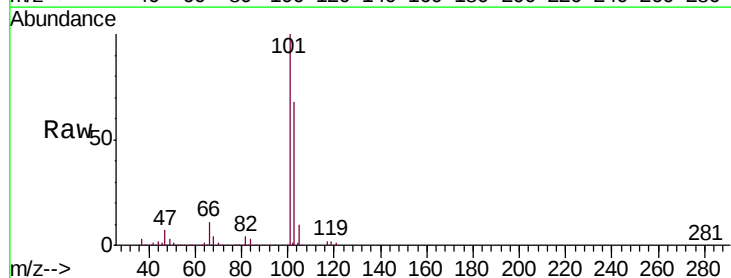
Acq: 24 Apr 2019 12:43

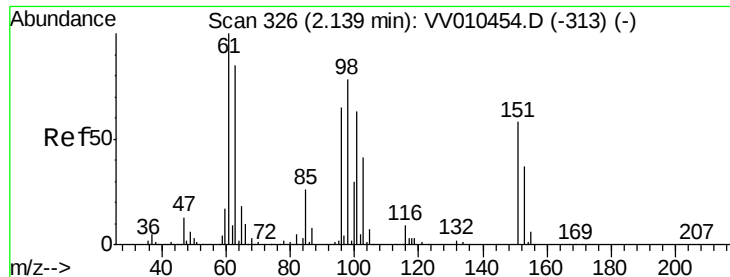
Tgt Ion: 101 Resp: 164497

Ion Ratio Lower Upper

101 100

103 66.9 52.6 78.8





#10

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

Concen: 4.804 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

Instrument :

MSVOA_V

ClientSampleId :

VICV38

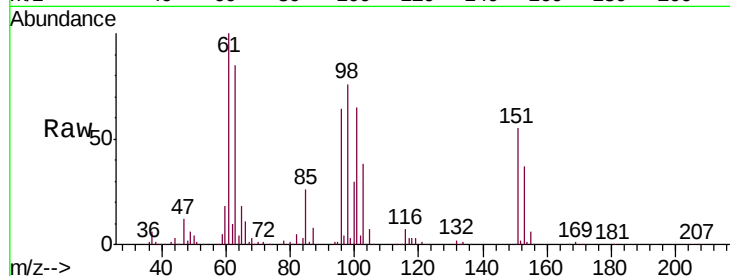
Tgt Ion: 101 Resp: 91828

Ion Ratio Lower Upper

101 100

85 40.2 33.8 50.8

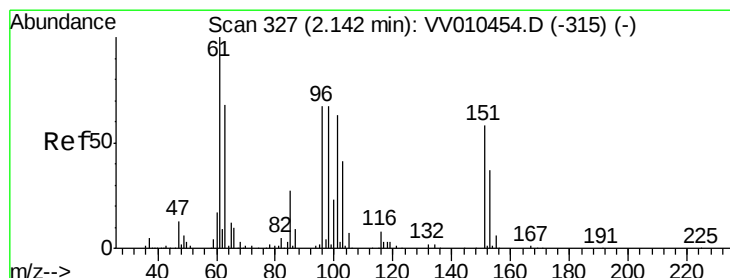
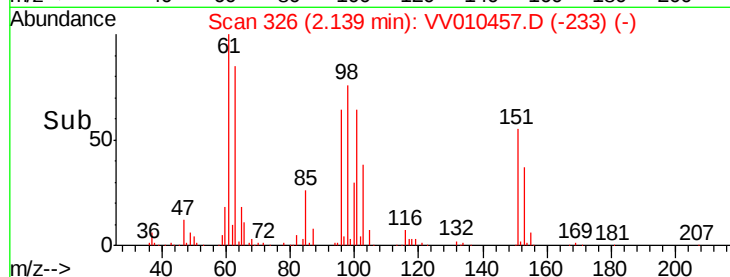
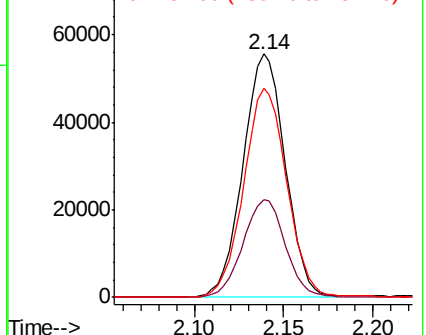
151 87.5 73.8 110.6



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: 4.599 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

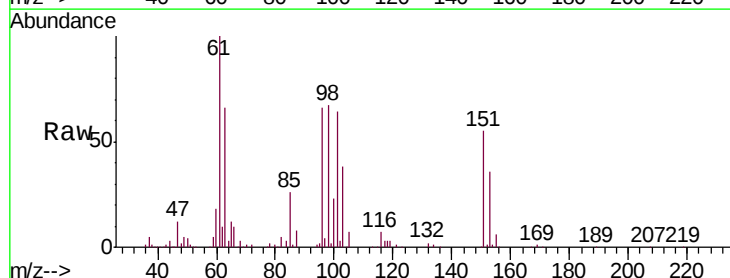
Tgt Ion: 96 Resp: 79711

Ion Ratio Lower Upper

96 100

61 151.1 104.3 193.7

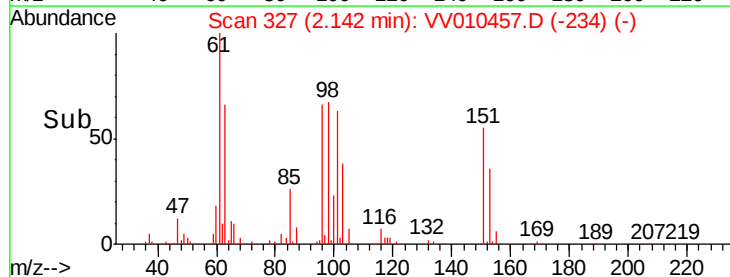
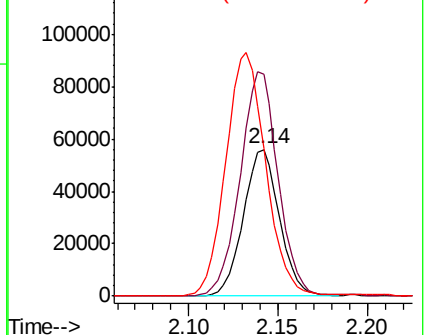
63 100.4 72.1 133.9

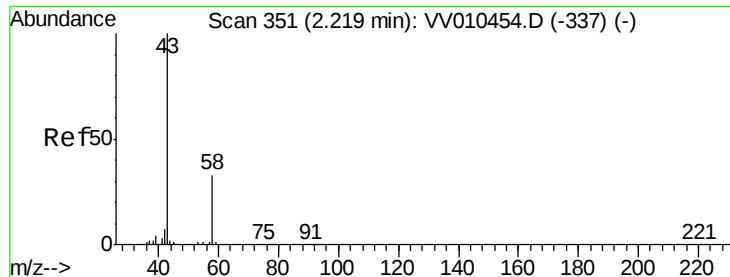


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 45.179 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.01 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

Instrument :

MSVOA_V

ClientSampleId :

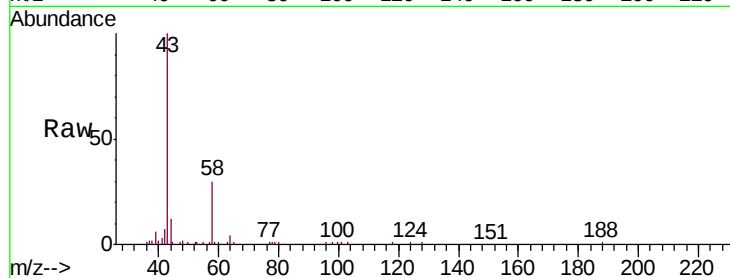
VICV38

Tgt Ion: 43 Resp: 96619

Ion Ratio Lower Upper

43 100

58 32.1 0.0 59.6



Abundance Ion 43.05 (42.75 to 43.75): VV010454.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV010454.D (-337) (-)

2.23

25000

20000

15000

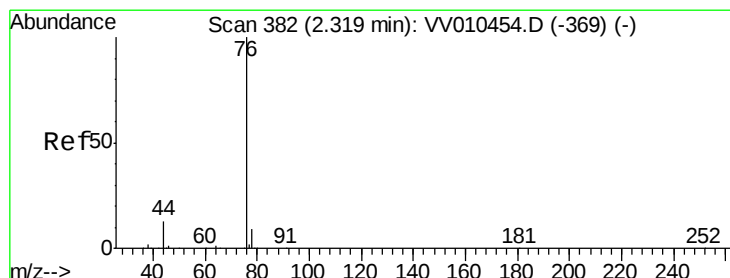
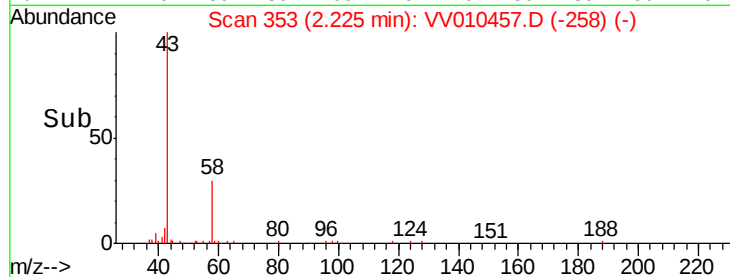
10000

5000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 4.606 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV010457.D

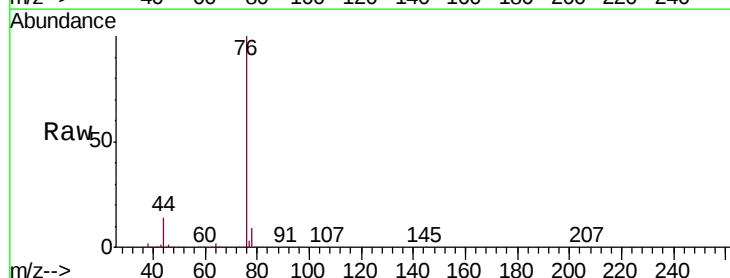
Acq: 24 Apr 2019 12:43

Tgt Ion: 76 Resp: 215733

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV010454.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV010454.D (-369) (-)

2.32

150000

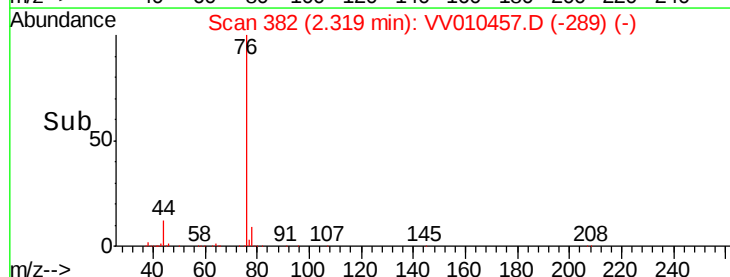
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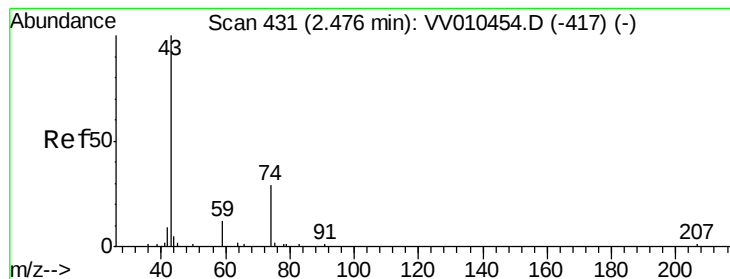
50000

0

Time-->

2.30 2.40





#15

Methyl Acetate

Concen: 4.361 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

Instrument :

MSVOA_V

ClientSampleId :

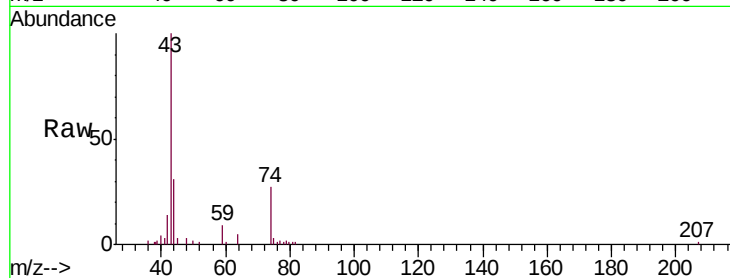
VICV38

Tgt Ion: 43 Resp: 24162

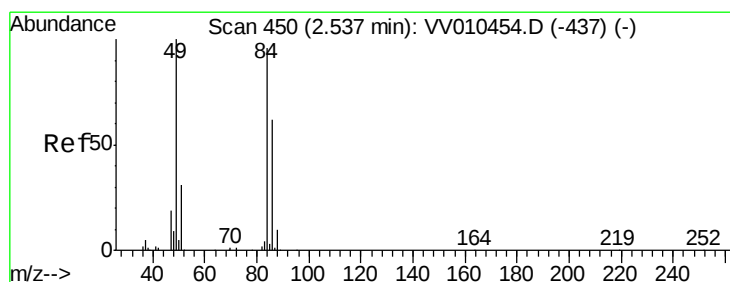
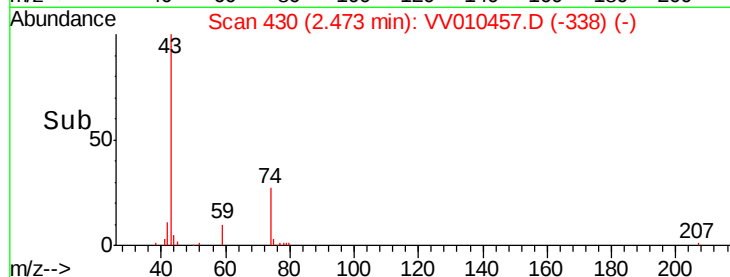
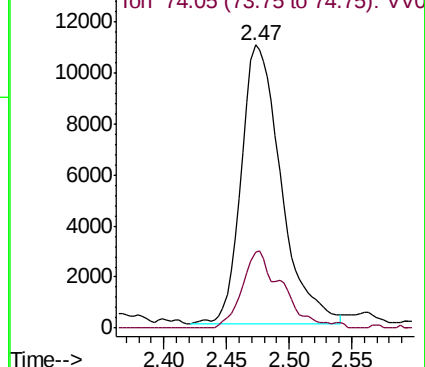
Ion Ratio Lower Upper

43 100

74 27.5 23.0 34.6



Abundance Ion 43.05 (42.75 to 43.75): VV010454.D (-417) (-)



#16

Methylene chloride

Concen: 4.281 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

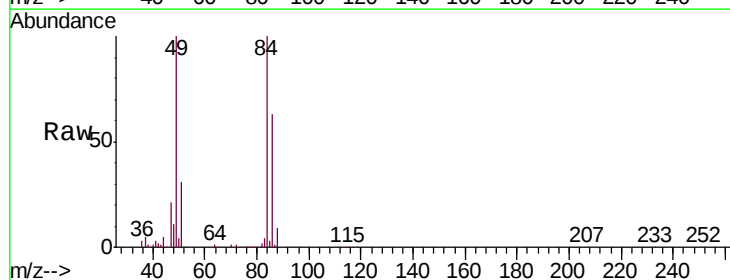
Tgt Ion: 84 Resp: 81027

Ion Ratio Lower Upper

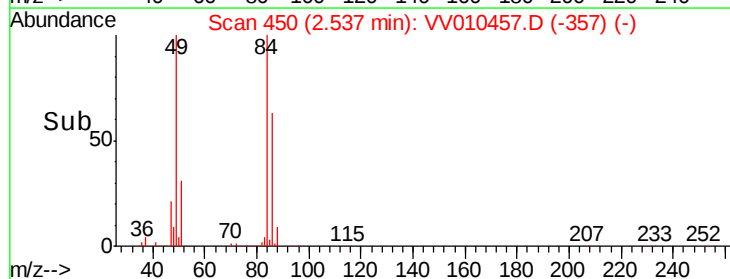
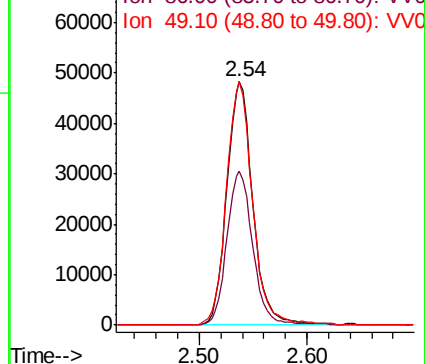
84 100

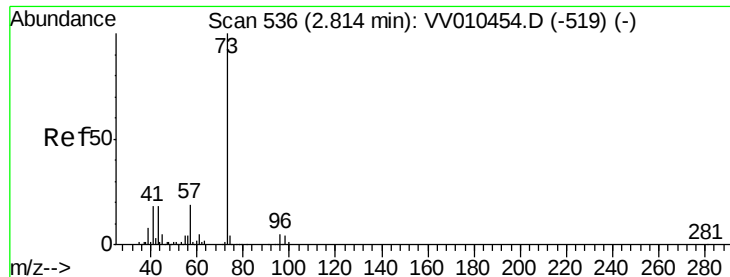
86 63.2 44.7 83.1

49 100.0 72.7 135.1



Abundance Ion 84.05 (83.75 to 84.75): VV010454.D (-437) (-)





#17

Methyl tert-butyl Ether

Concen: 4.527 ug/L

RT: 2.82 min Scan# 537

Delta R.T. 0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

Instrument :

MSVOA_V

ClientSampleId :

VICV38

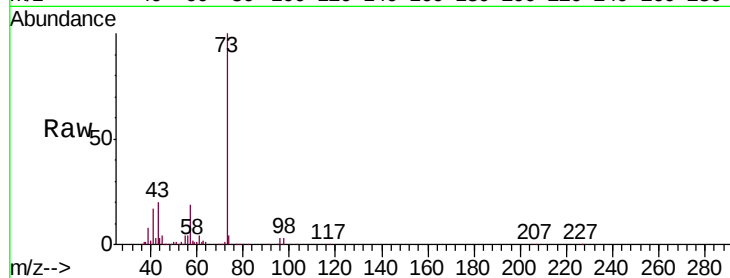
Tgt Ion: 73 Resp: 184260

Ion Ratio Lower Upper

73 100

43 19.2 14.9 22.3

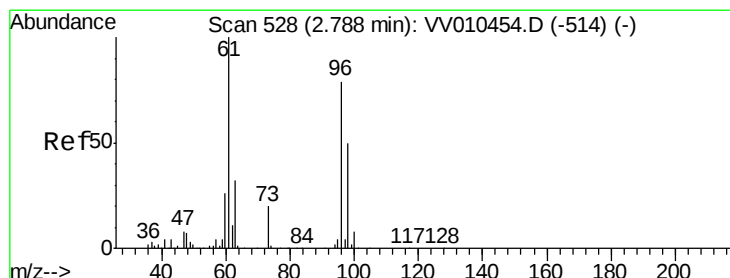
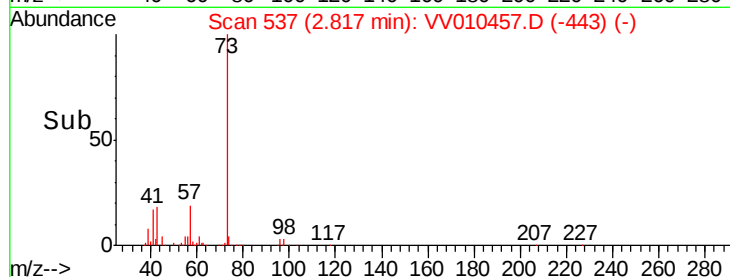
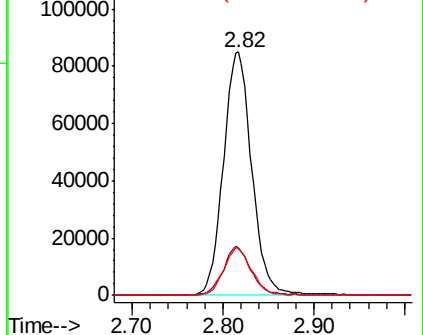
57 19.0 15.7 23.5



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.689 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

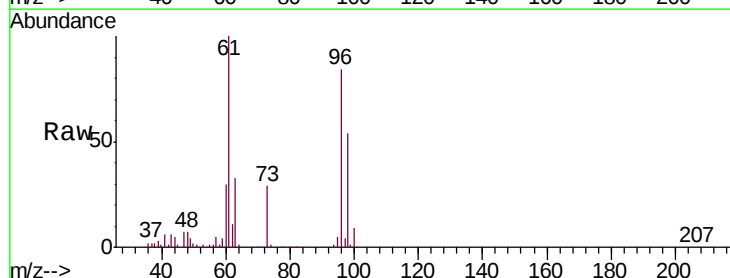
Tgt Ion: 96 Resp: 88617

Ion Ratio Lower Upper

96 100

61 118.4 89.2 165.6

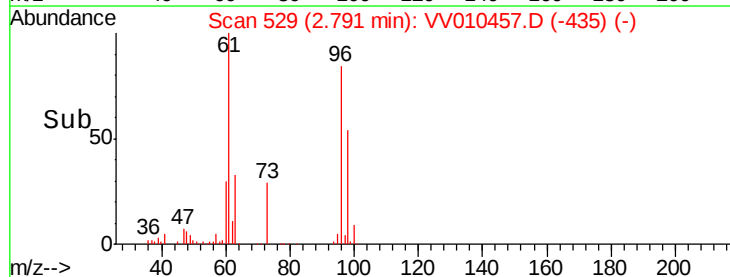
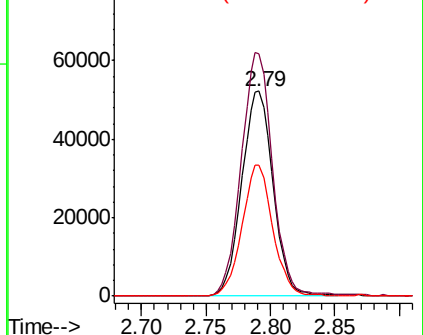
98 63.7 44.8 83.2

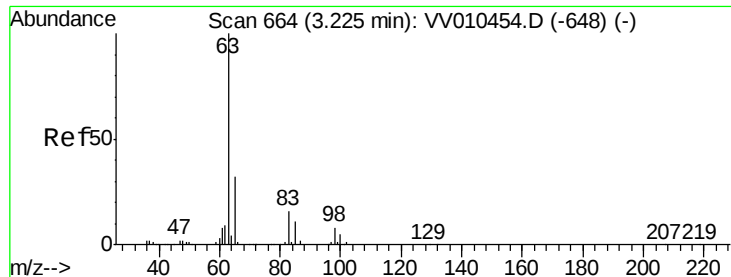


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

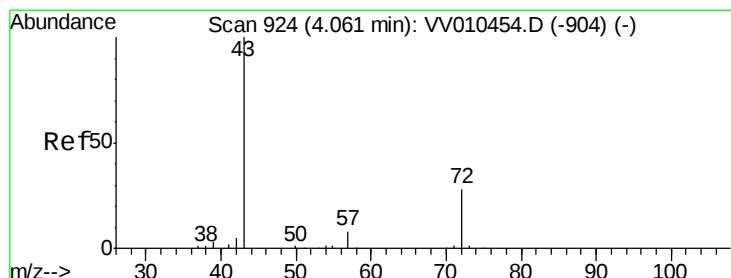
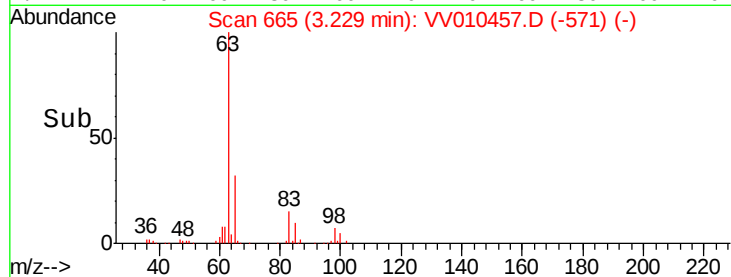
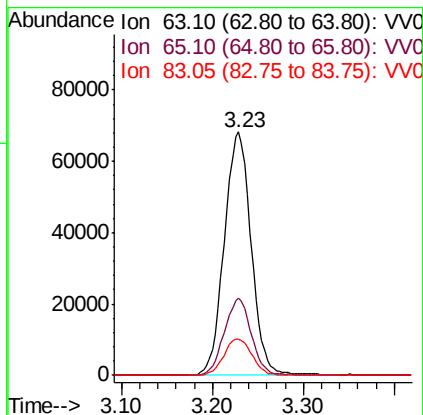
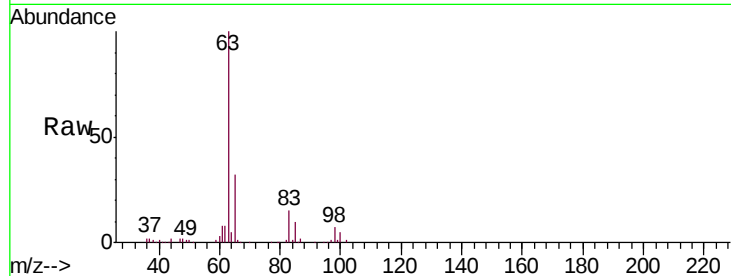




#19
 1,1-Dichloroethane
 Concen: 4.659 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV010457.D
 Acq: 24 Apr 2019 12:43

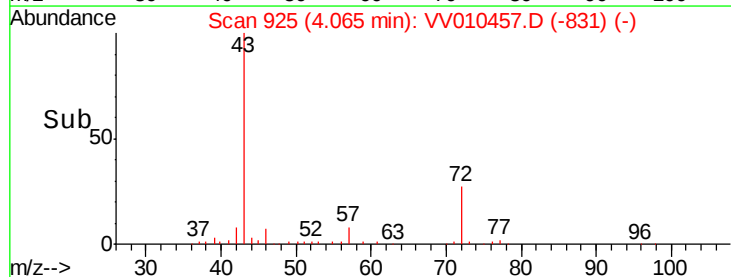
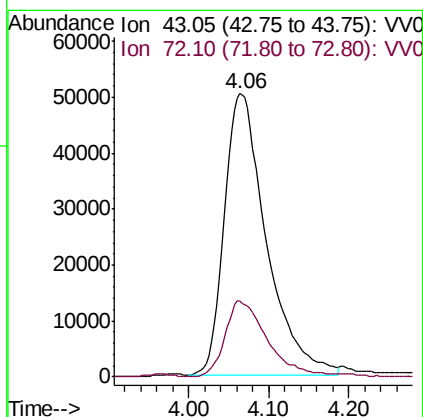
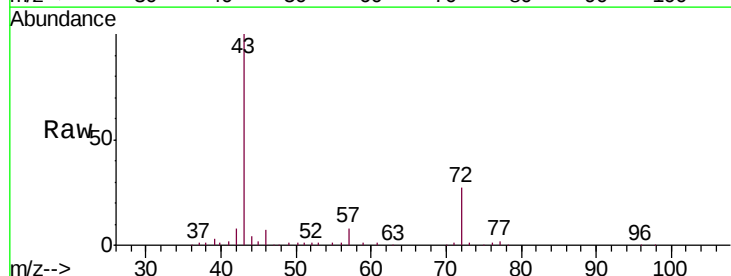
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV38

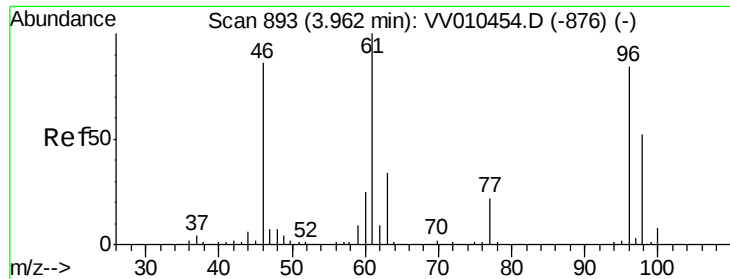
Tgt Ion: 63 Resp: 140369
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.7 42.3
 83 14.9 11.3 20.9



#21
 2-Butanone
 Concen: 48.306 ug/L
 RT: 4.06 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: VV010457.D
 Acq: 24 Apr 2019 12:43

Tgt Ion: 43 Resp: 181081
 Ion Ratio Lower Upper
 43 100
 72 27.1 14.1 42.2



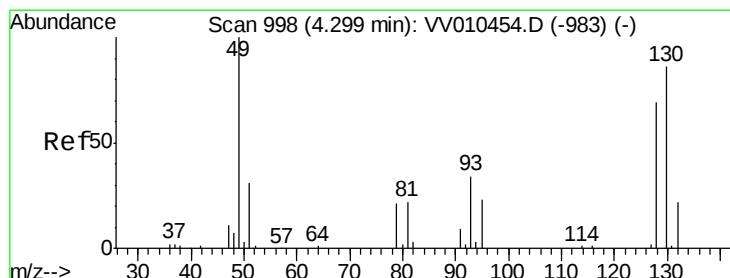
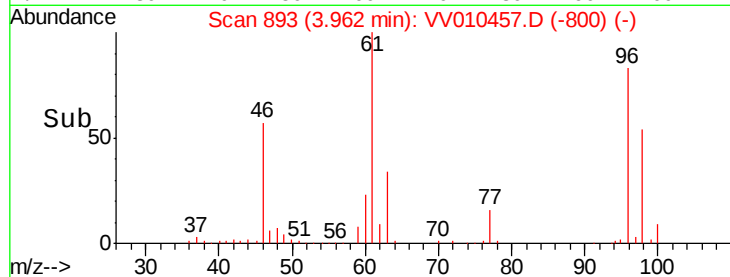
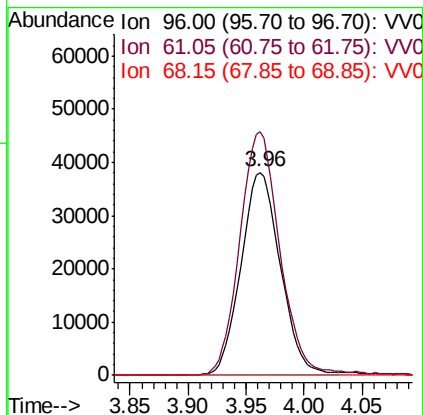
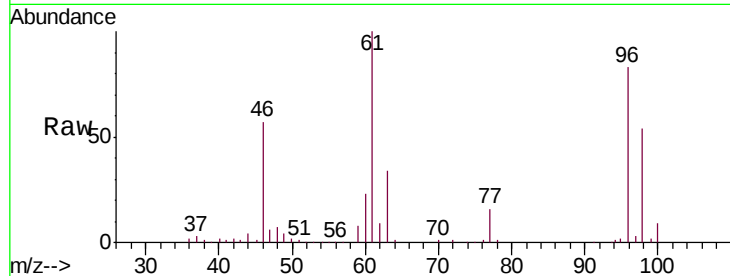


#22

cis-1,2-Dichloroethene
 Concen: 4.594 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV010457.D
 Acq: 24 Apr 2019 12:43

Instrument :
 MSVOA_V
 ClientSampled :
 VICV38

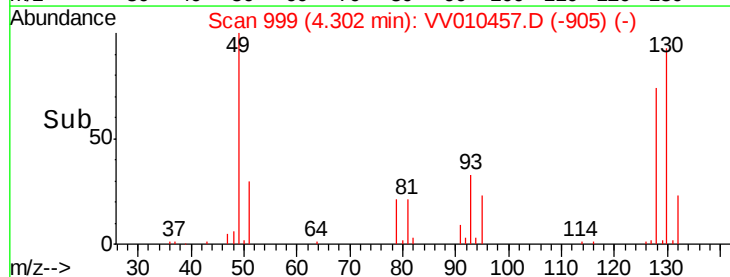
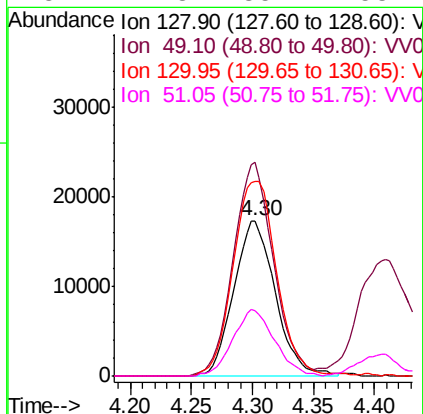
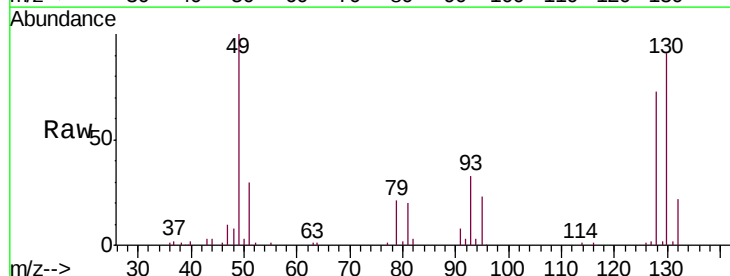
Tgt Ion: 96 Resp: 90462
 Ion Ratio Lower Upper
 96 100
 61 120.0 83.2 154.6
 68 0.0 0.0 0.0

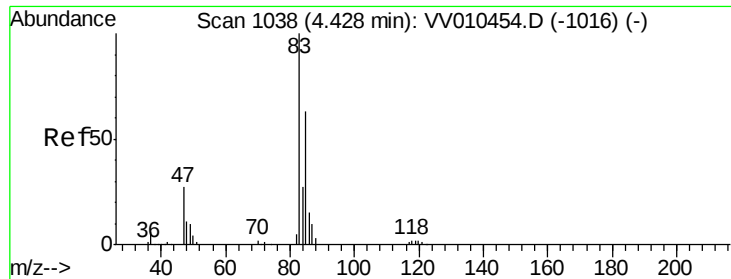


#23

Bromochloromethane
 Concen: 4.750 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV010457.D
 Acq: 24 Apr 2019 12:43

Tgt Ion: 128 Resp: 40784
 Ion Ratio Lower Upper
 128 100
 49 137.8 102.0 189.4
 130 125.7 87.6 162.6
 51 41.8 35.4 53.2

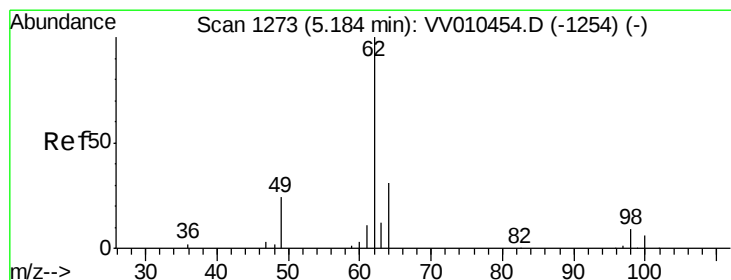
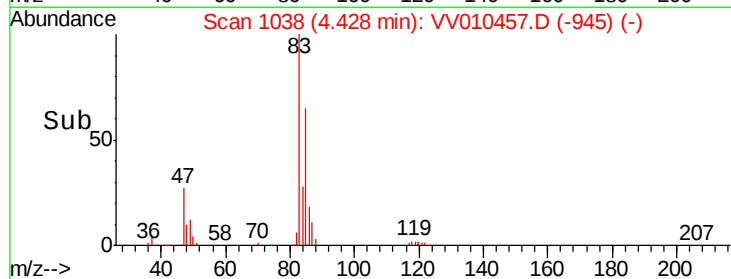
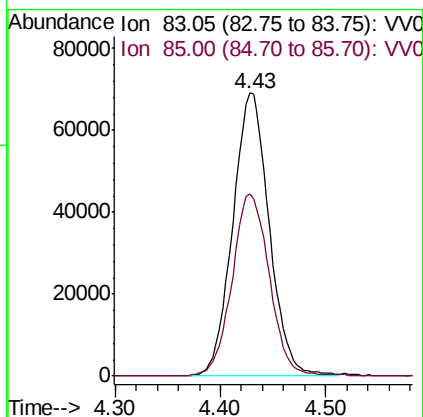
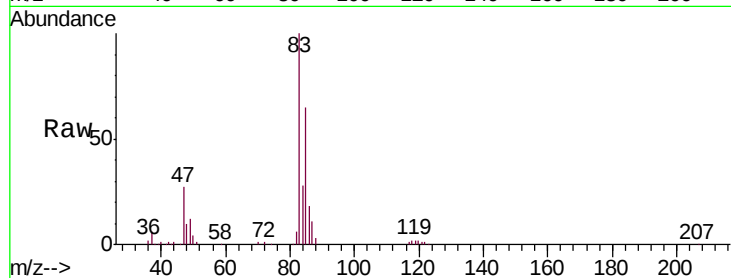




#25
Chloroform
Concen: 4.681 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV010457.D
Acq: 24 Apr 2019 12:43

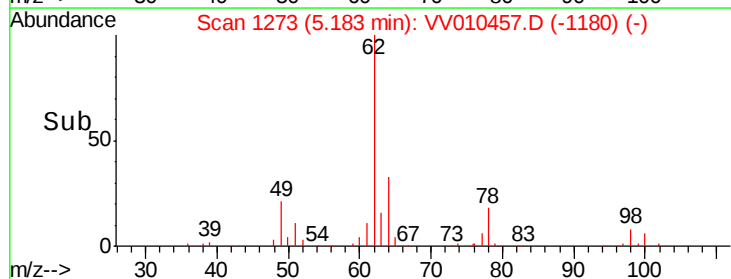
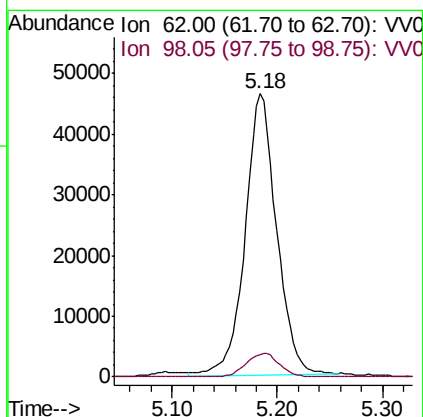
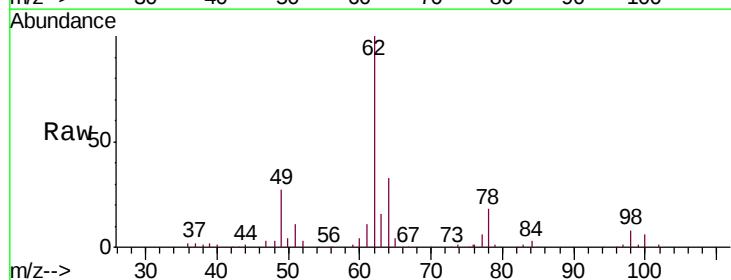
Instrument :
MSVOA_V
ClientSampleId :
VICV38

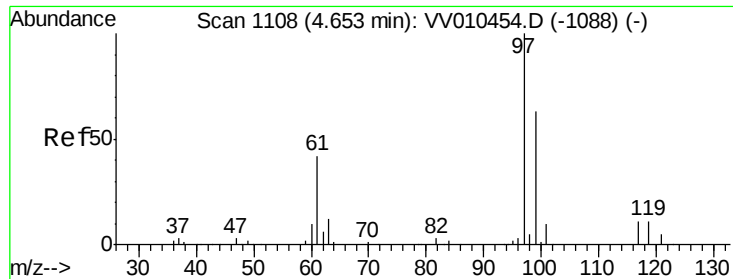
Tgt Ion: 83 Resp: 166214
Ion Ratio Lower Upper
83 100
85 64.5 44.3 82.3



#27
1,2-Dichloroethane
Concen: 4.613 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV010457.D
Acq: 24 Apr 2019 12:43

Tgt Ion: 62 Resp: 96114
Ion Ratio Lower Upper
62 100
98 7.8 7.5 11.3

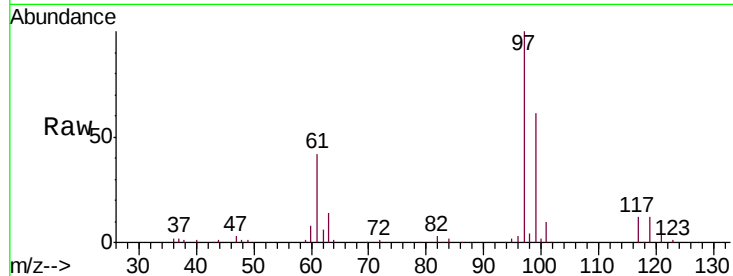




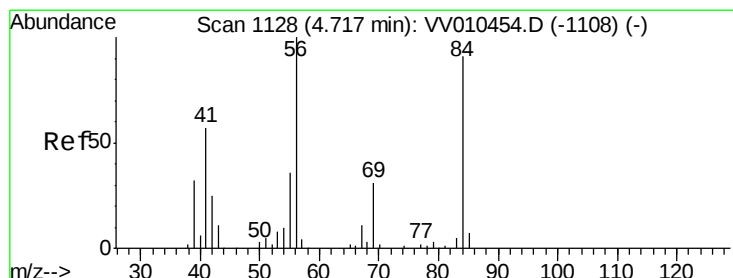
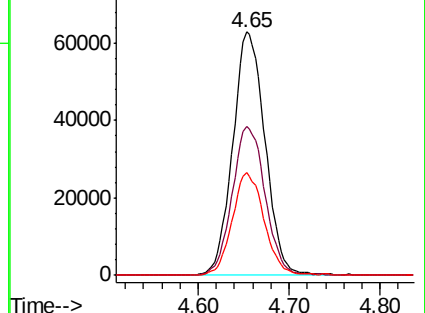
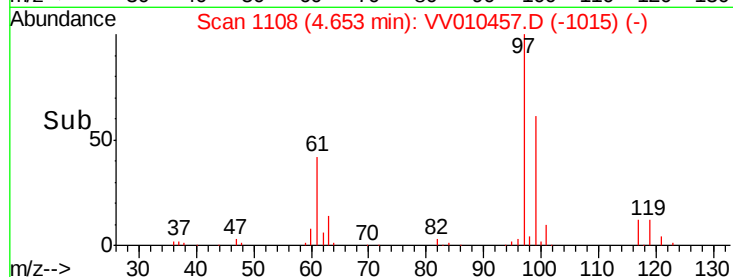
#29
 1,1,1-Trichloroethane
 Concen: 4.825 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV010457.D
 Acq: 24 Apr 2019 12:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV38

Tgt Ion: 97 Resp: 155177
 Ion Ratio Lower Upper
 97 100
 99 62.2 52.2 78.2
 61 41.4 33.7 50.5

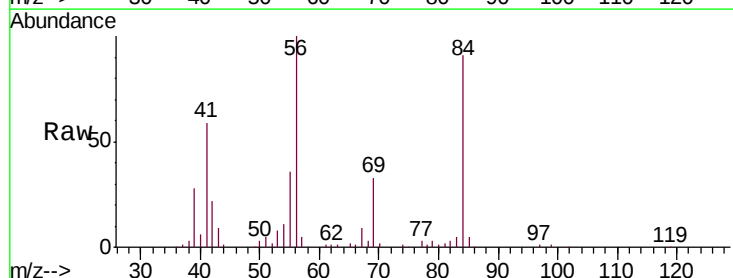


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

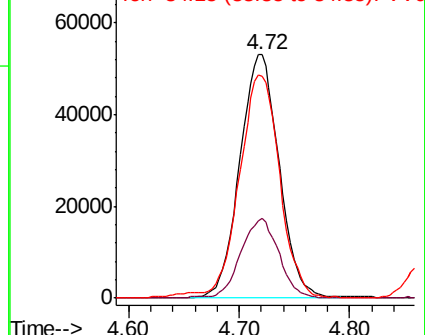
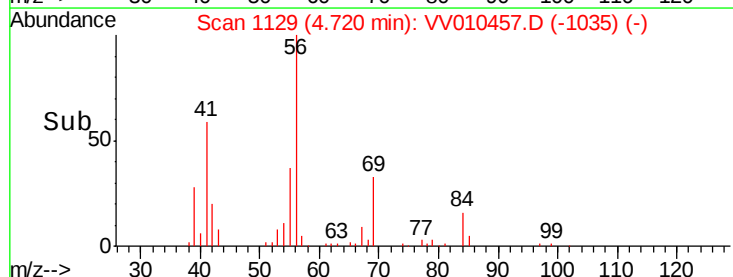


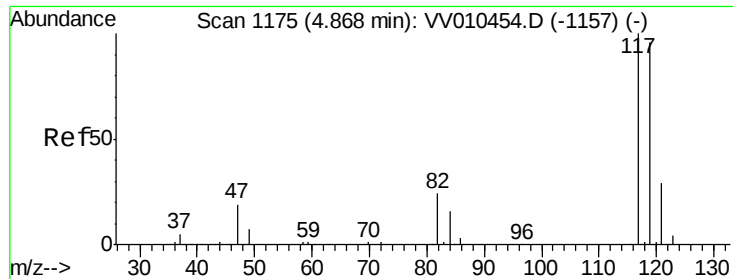
#30
 Cyclohexane
 Concen: 4.828 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV010457.D
 Acq: 24 Apr 2019 12:43

Tgt Ion: 56 Resp: 130975
 Ion Ratio Lower Upper
 56 100
 69 31.5 25.5 38.3
 84 92.5 76.7 115.1



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.853 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

Instrument :

MSVOA_V

ClientSampleId :

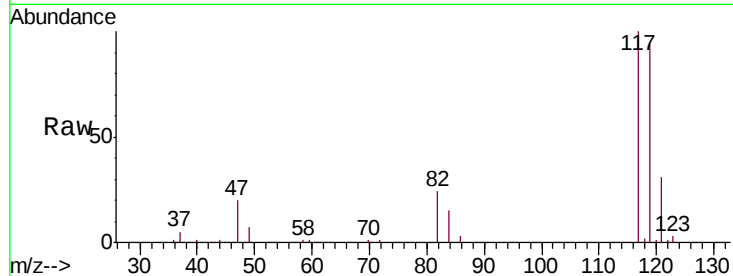
VICV38

Tgt Ion:117 Resp: 141866

Ion Ratio Lower Upper

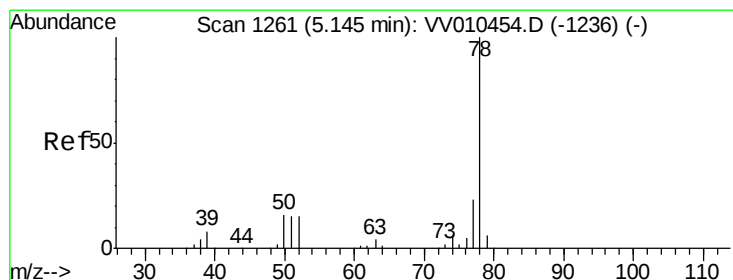
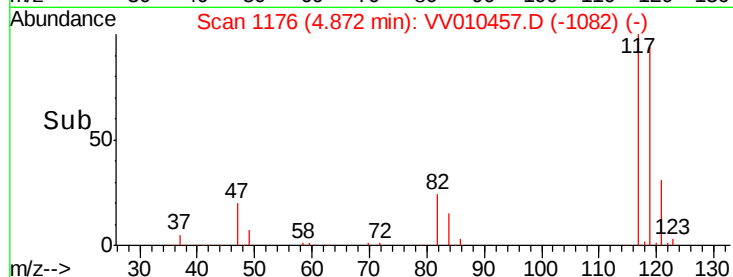
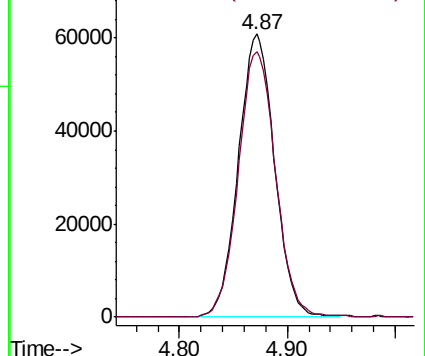
117 100

119 96.9 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.780 ug/L

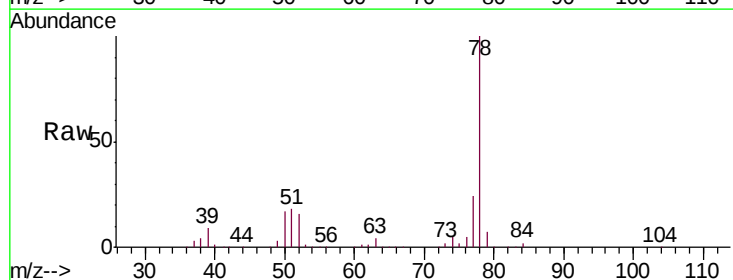
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

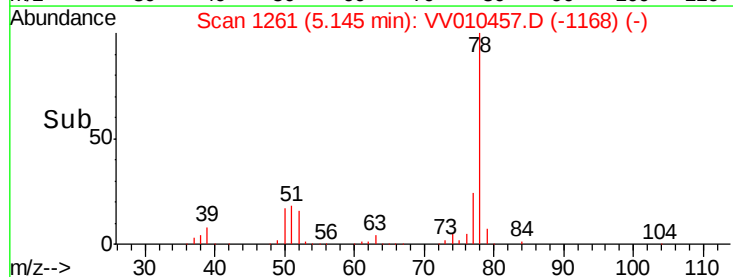
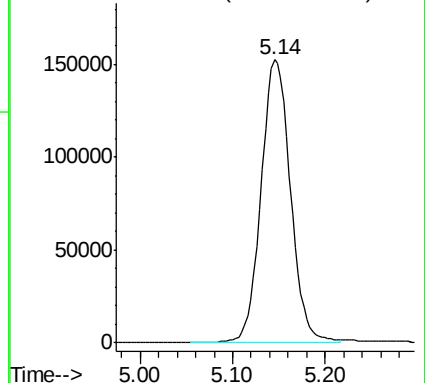
Lab File: VV010457.D

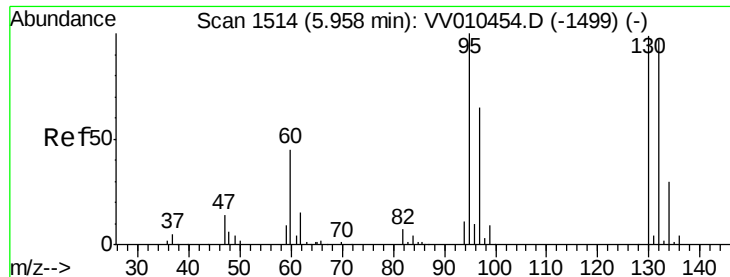
Acq: 24 Apr 2019 12:43

Tgt Ion: 78 Resp: 337475



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.783 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

Instrument :

MSVOA_V

ClientSampled :

VICV38

Tgt Ion: 95 Resp: 97435

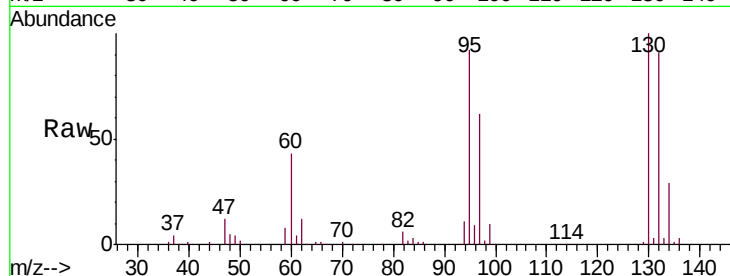
Ion Ratio Lower Upper

95 100

97 67.0 45.6 84.6

132 98.9 67.8 126.0

130 108.3 69.0 128.2



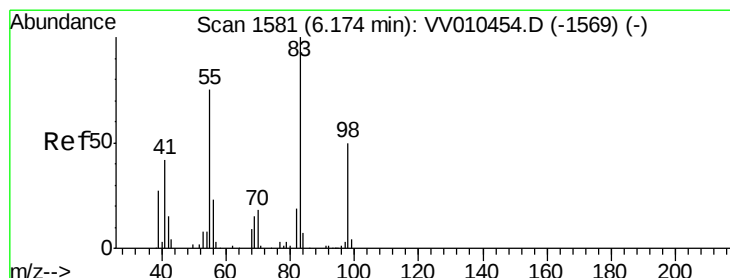
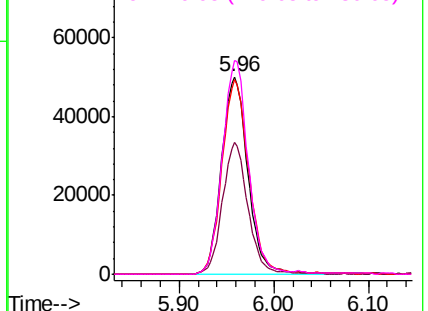
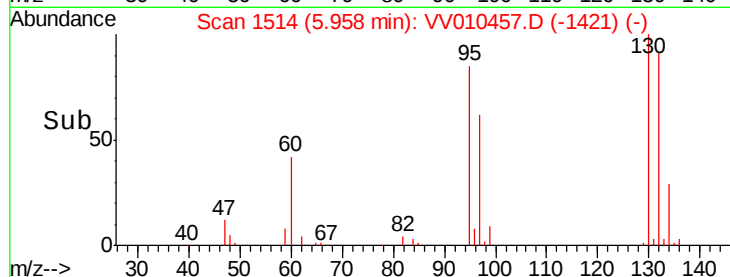
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.776 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

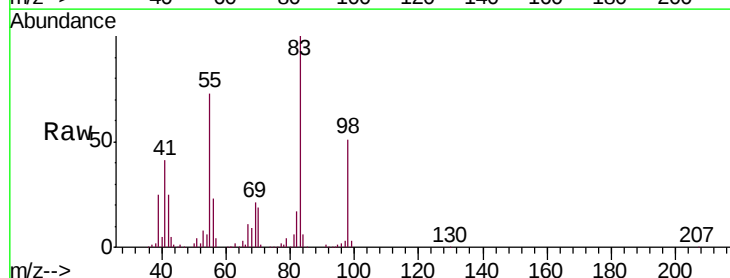
Tgt Ion: 83 Resp: 146000

Ion Ratio Lower Upper

83 100

55 73.0 57.8 86.6

98 49.8 38.8 58.2

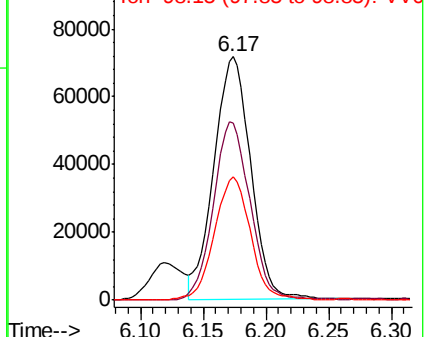
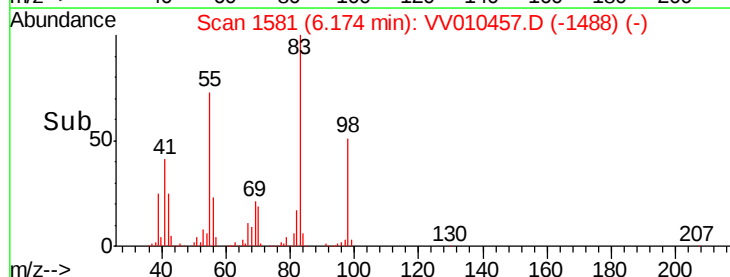


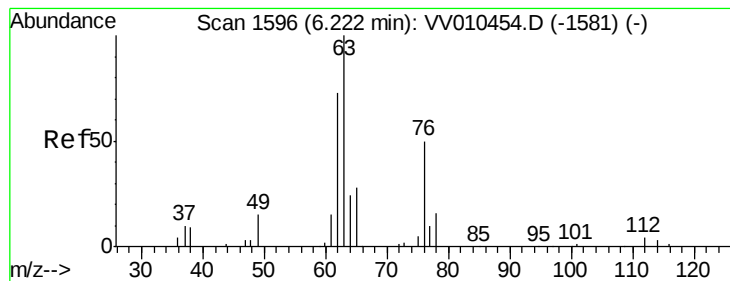
Abundance

Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.761 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

Instrument :

MSVOA_V

ClientSampled :

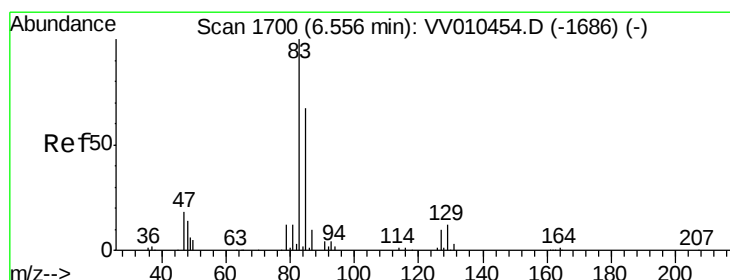
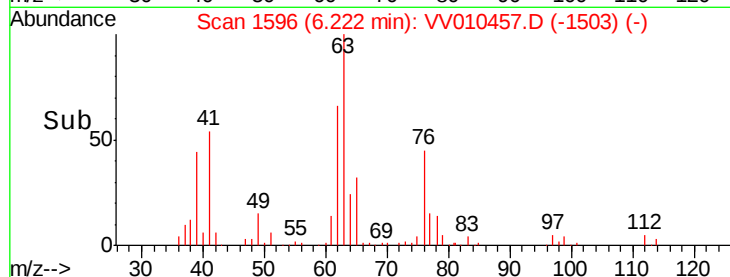
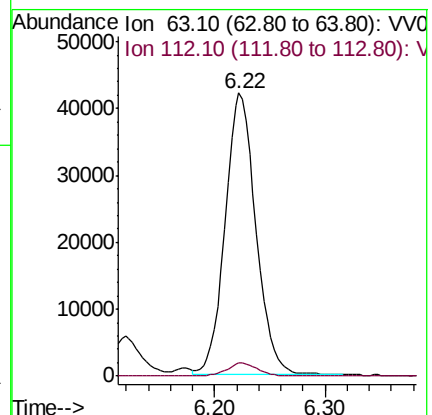
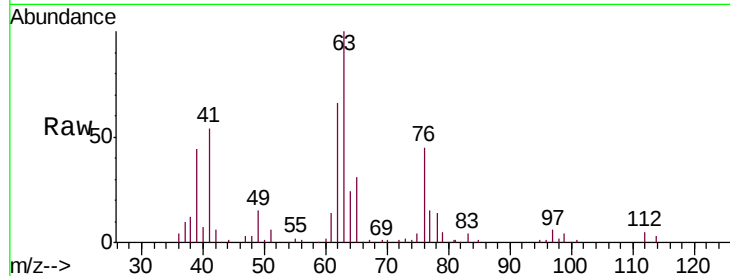
VICV38

Tgt Ion: 63 Resp: 81574

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



#38

Bromodichloromethane

Concen: 4.795 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

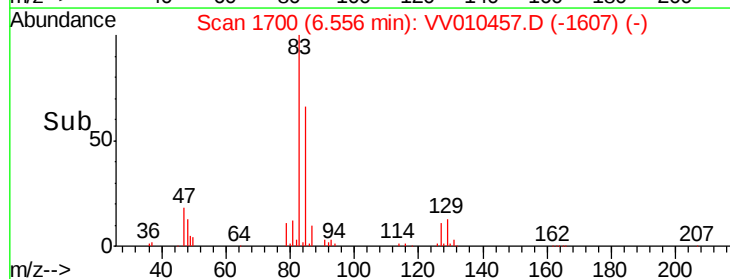
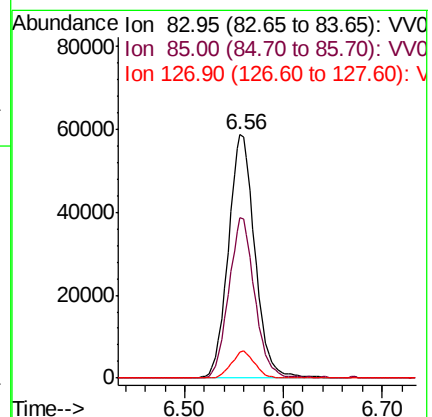
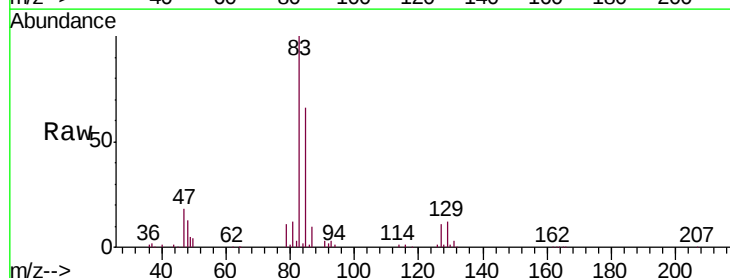
Tgt Ion: 83 Resp: 110584

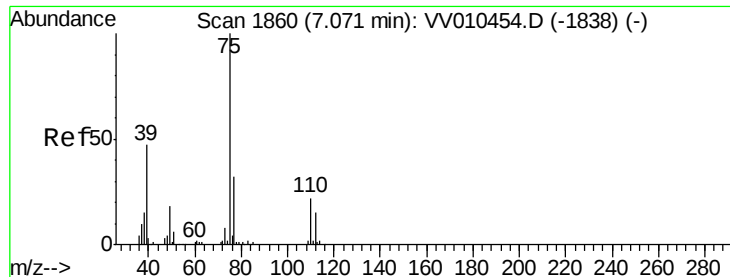
Ion Ratio Lower Upper

83 100

85 65.7 46.6 86.6

127 10.6 7.8 11.8



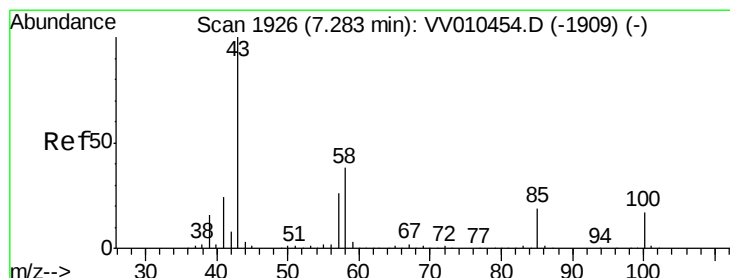
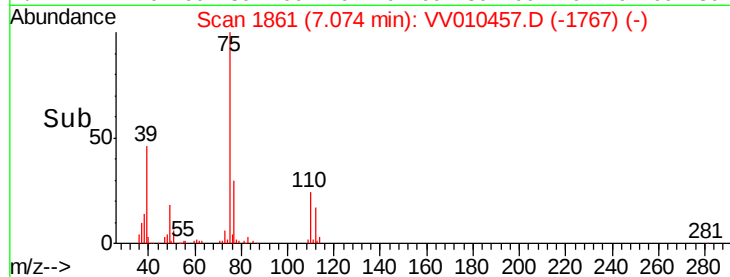
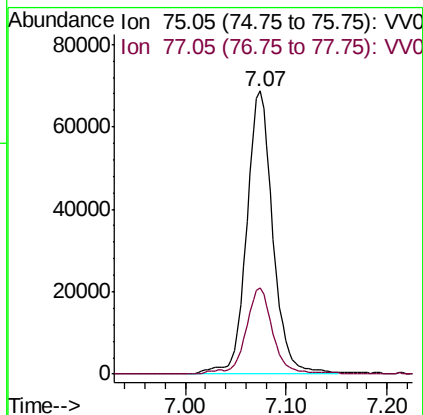
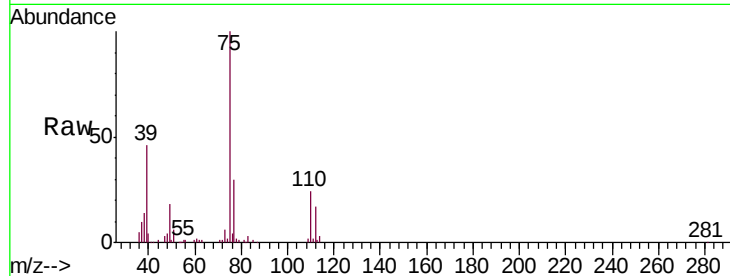


#39

cis-1,3-Dichloropropene
 Concen: 4.840 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV010457.D
 Acq: 24 Apr 2019 12:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV38

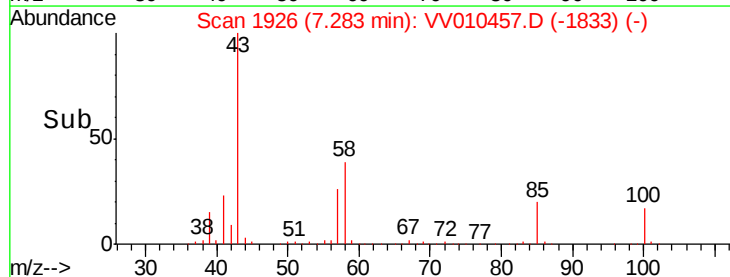
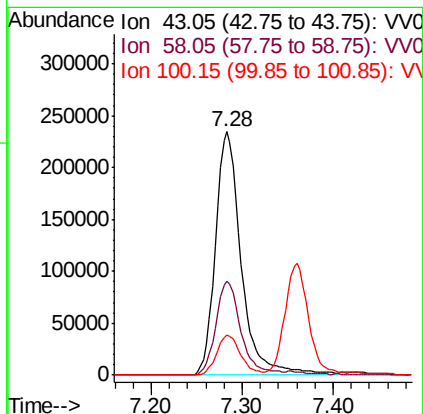
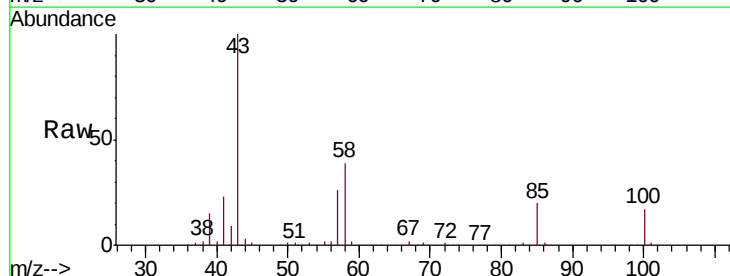
Tgt Ion: 75 Resp: 122983
 Ion Ratio Lower Upper
 75 100
 77 30.4 22.5 41.7

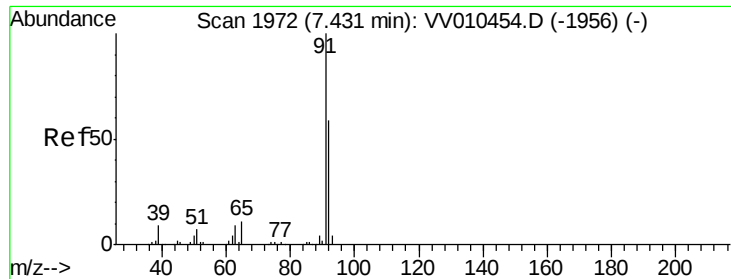


#40

4-Methyl-2-pentanone
 Concen: 47.770 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV010457.D
 Acq: 24 Apr 2019 12:43

Tgt Ion: 43 Resp: 462763
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.3 45.5
 100 15.5 13.0 19.4





#42

Toluene

Concen: 4.750 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

Instrument :

MSVOA_V

ClientSampleId :

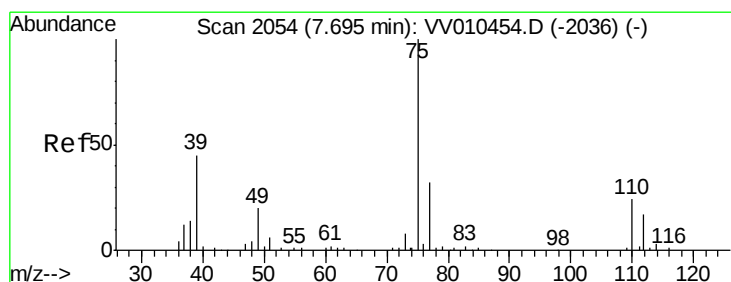
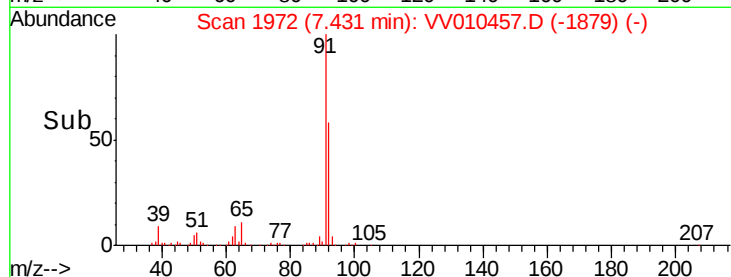
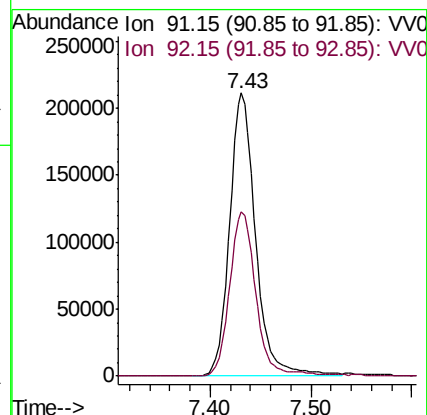
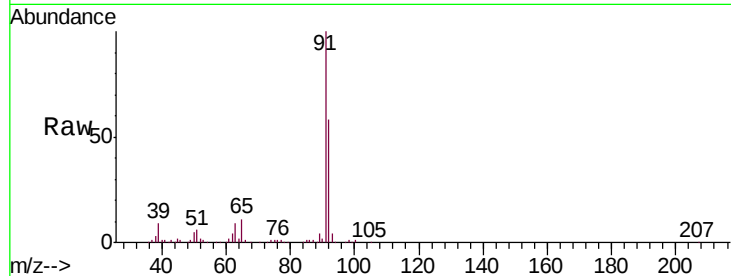
VICV38

Tgt Ion: 91 Resp: 381614

Ion Ratio Lower Upper

91 100

92 58.1 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.781 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV010457.D

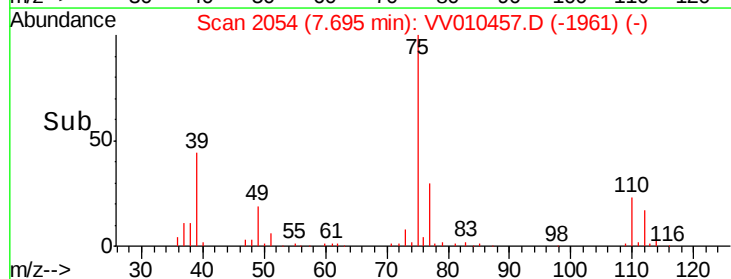
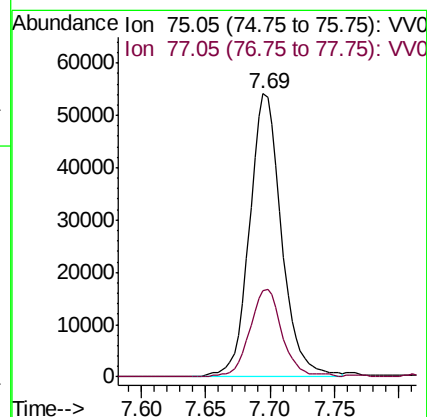
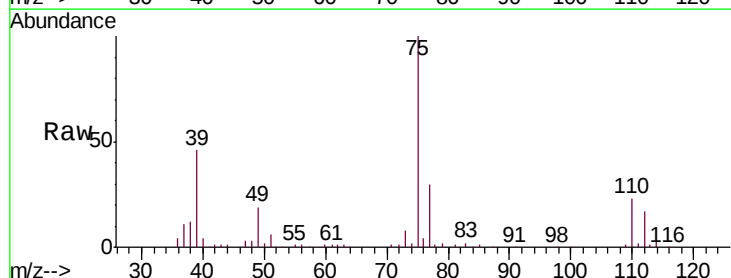
Acq: 24 Apr 2019 12:43

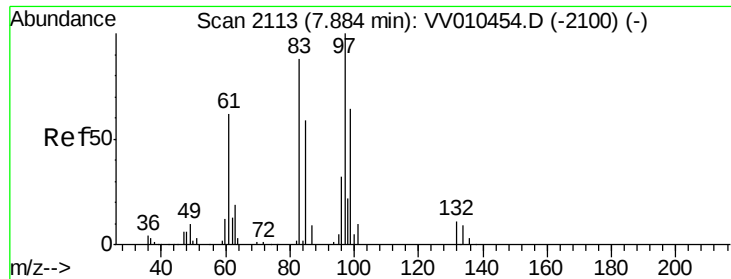
Tgt Ion: 75 Resp: 93823

Ion Ratio Lower Upper

75 100

77 30.4 22.1 41.1

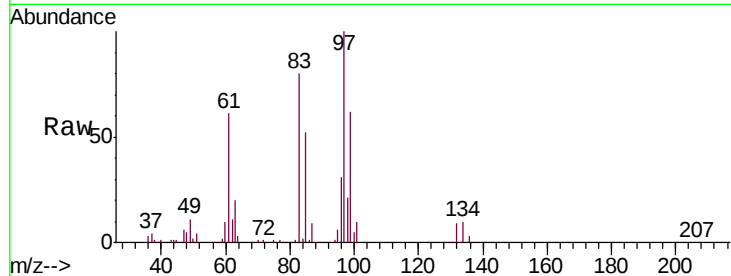




#45
 1,1,2-Trichloroethane
 Concen: 4.755 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV010457.D
 Acq: 24 Apr 2019 12:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV38

Tgt Ion:	97	Resp:	59681
Ion	Ratio	Lower	Upper
97	100		
99	62.0	45.1	83.7
83	79.8	61.7	114.7
85	52.3	41.2	76.4



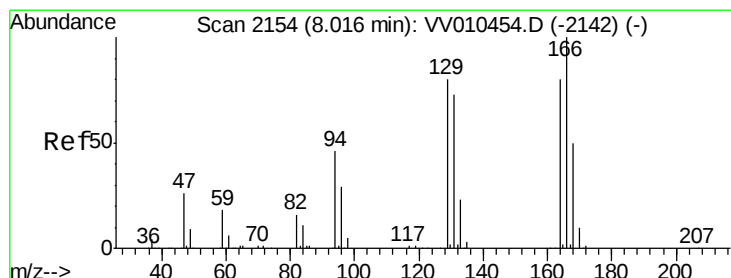
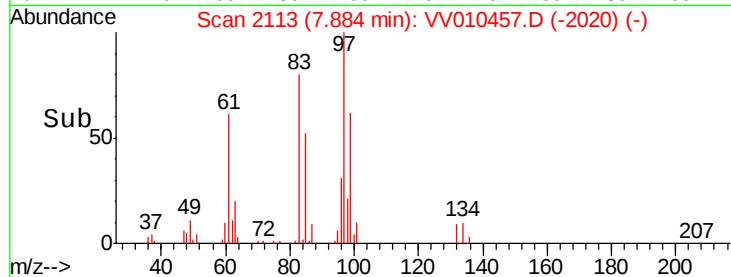
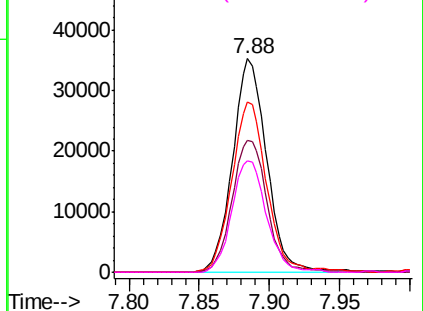
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

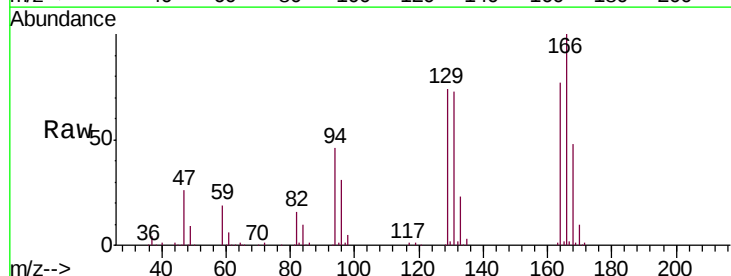
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 4.594 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV010457.D
 Acq: 24 Apr 2019 12:43

Tgt Ion:	164	Resp:	83565
Ion	Ratio	Lower	Upper
164	100		
129	95.0	69.7	129.4
131	94.7	63.8	118.6
166	129.2	87.4	162.2



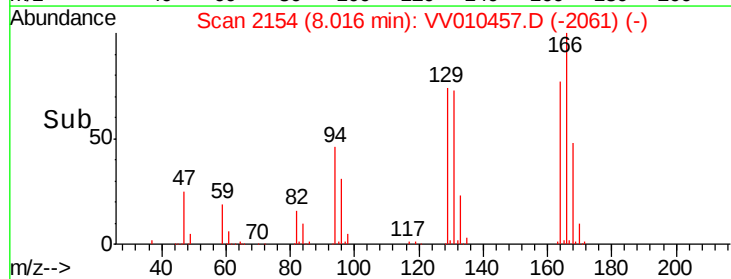
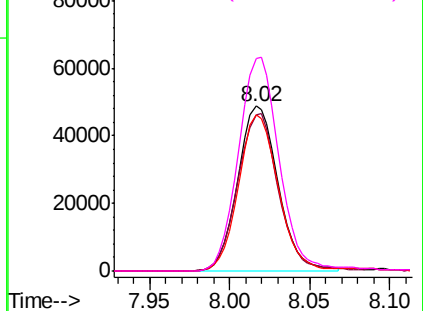
Abundance

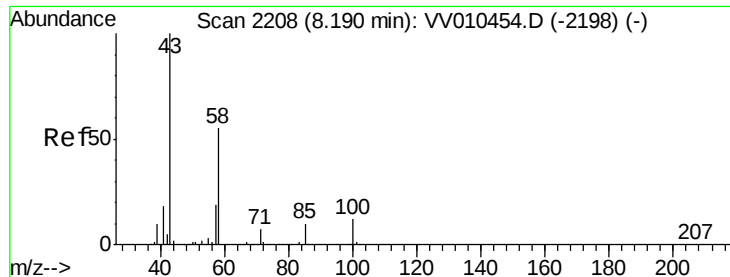
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

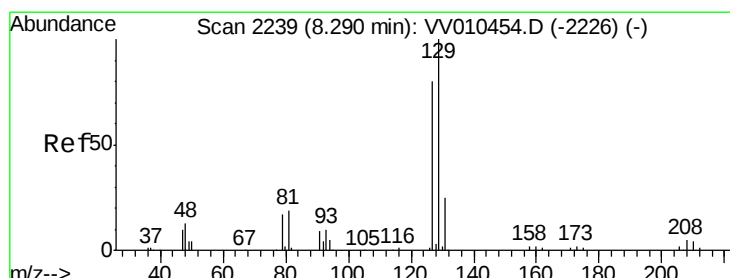
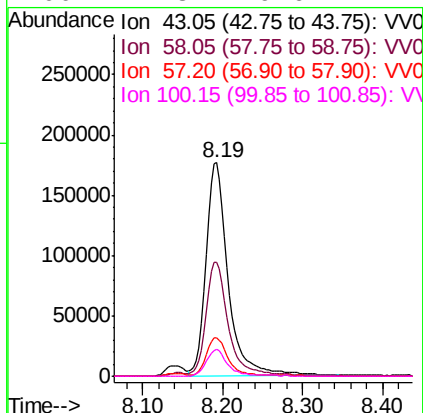
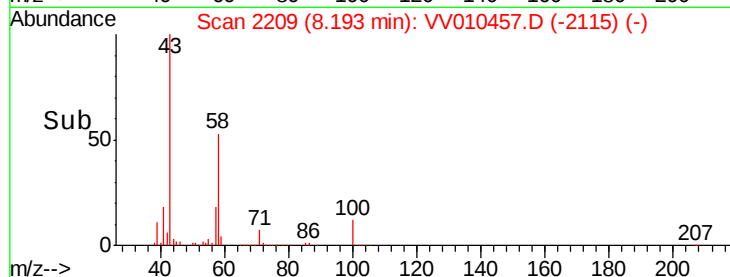
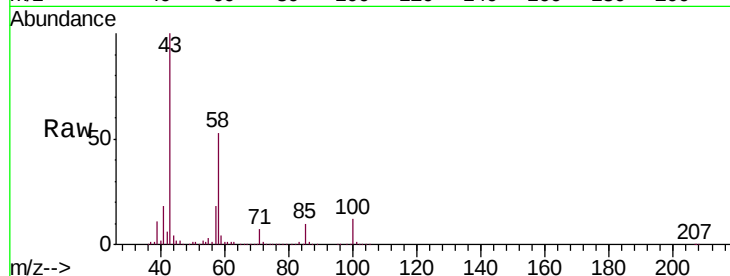




#48
2-Hexanone
Concen: 50.484 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV010457.D
Acq: 24 Apr 2019 12:43

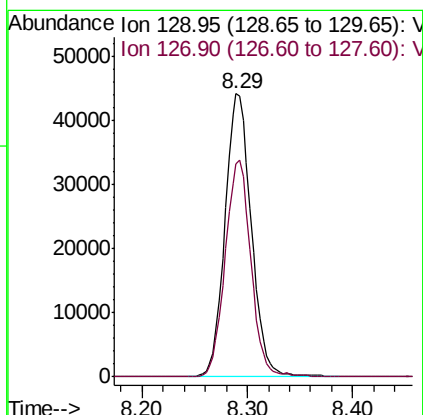
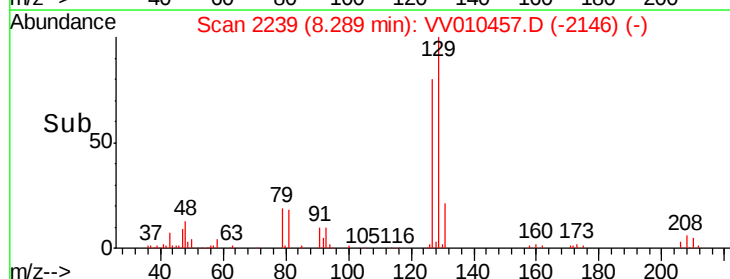
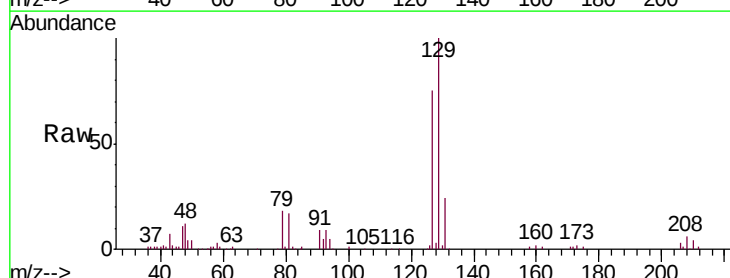
Instrument :
MSVOA_V
ClientSampleId :
VICV38

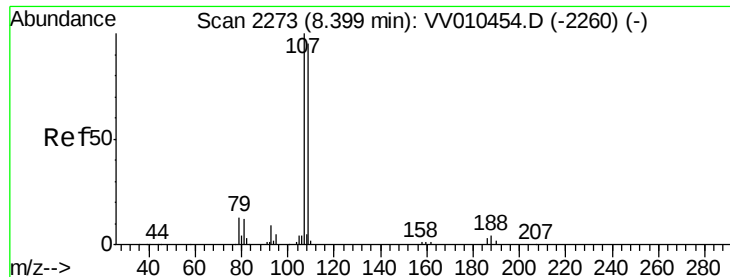
Tgt Ion: 43 Resp: 340181
Ion Ratio Lower Upper
43 100
58 55.0 42.2 63.4
57 17.6 15.3 22.9
100 12.3 9.6 14.4



#49
Dibromochloromethane
Concen: 4.709 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010457.D
Acq: 24 Apr 2019 12:43

Tgt Ion: 129 Resp: 76337
Ion Ratio Lower Upper
129 100
127 75.4 56.1 104.1

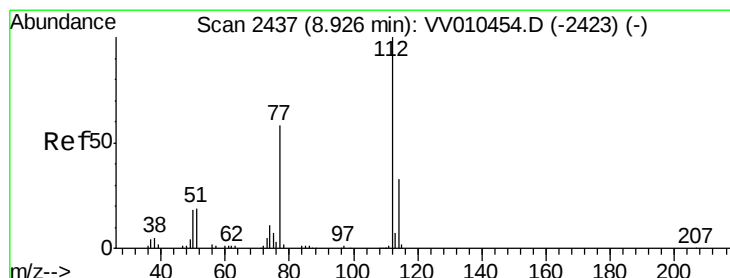
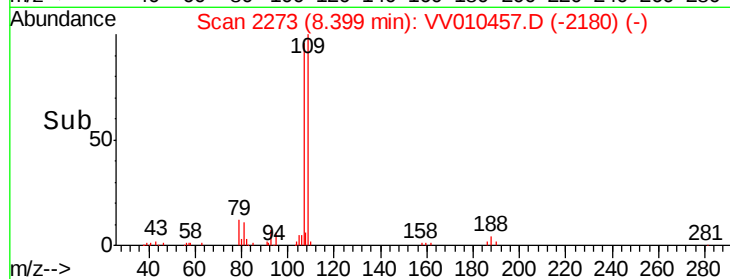
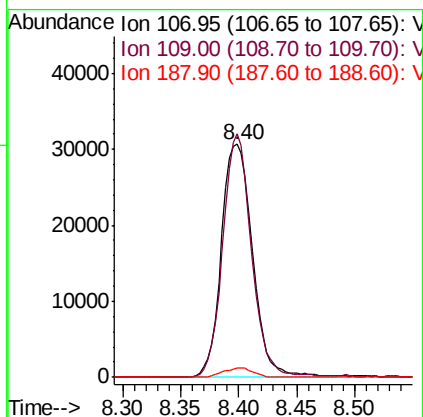
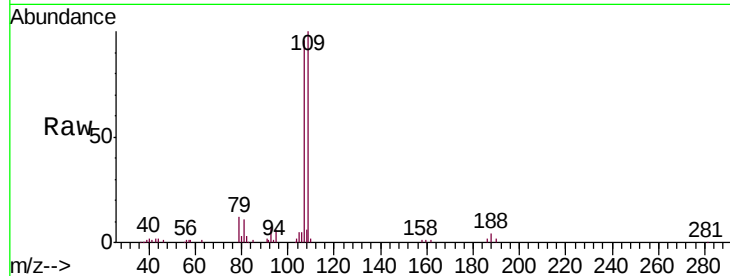




#50
1,2-Dibromoethane
Concen: 4.704 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV010457.D
Acq: 24 Apr 2019 12:43

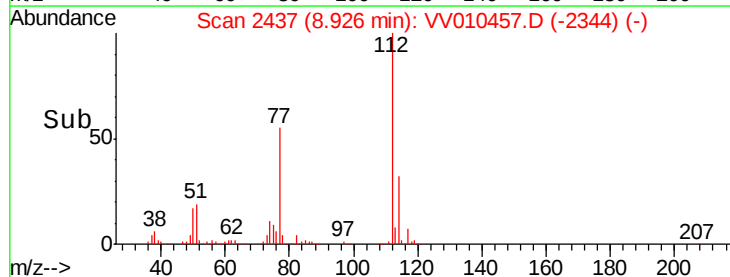
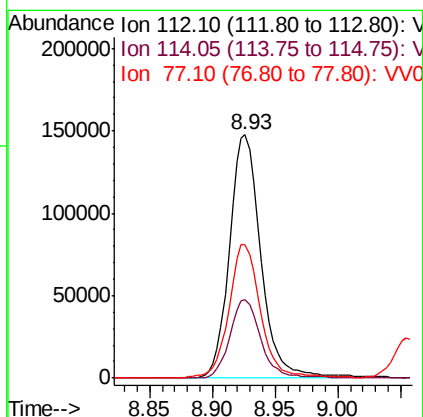
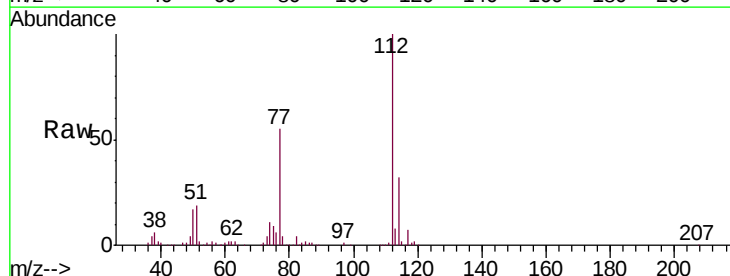
Instrument :
MSVOA_V
ClientSampleId :
VICV38

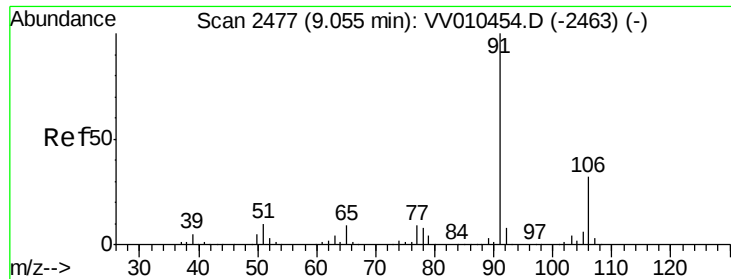
Tgt Ion:107 Resp: 57226
Ion Ratio Lower Upper
107 100
109 104.5 66.1 122.8
188 4.0 3.4 5.0



#51
Chlorobenzene
Concen: 4.692 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV010457.D
Acq: 24 Apr 2019 12:43

Tgt Ion:112 Resp: 256039
Ion Ratio Lower Upper
112 100
114 32.3 23.0 42.6
77 55.1 46.8 70.2





#52

Ethylbenzene

Concen: 4.794 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

Instrument :

MSVOA_V

ClientSampleId :

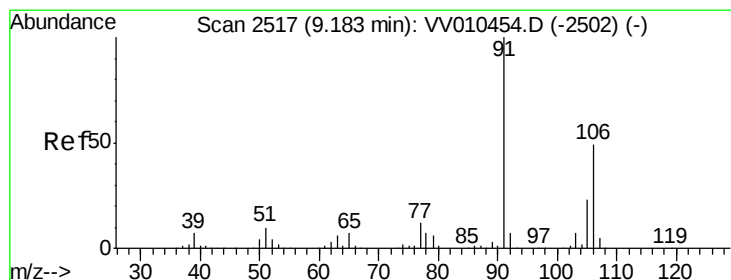
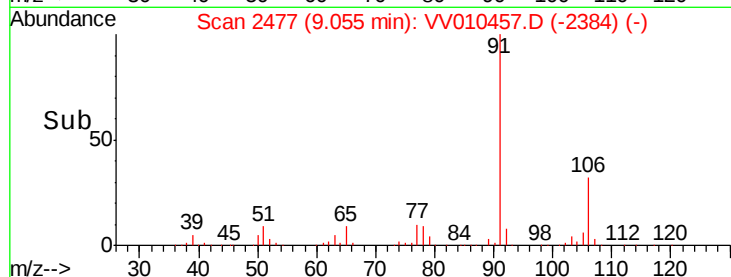
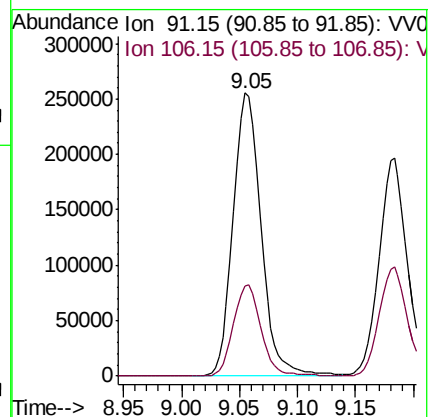
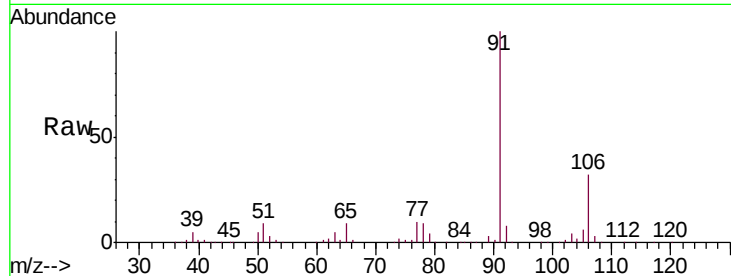
VICV38

Tgt Ion: 91 Resp: 427911

Ion Ratio Lower Upper

91 100

106 31.9 22.4 41.6



#53

m,p-xylene

Concen: 4.794 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV010457.D

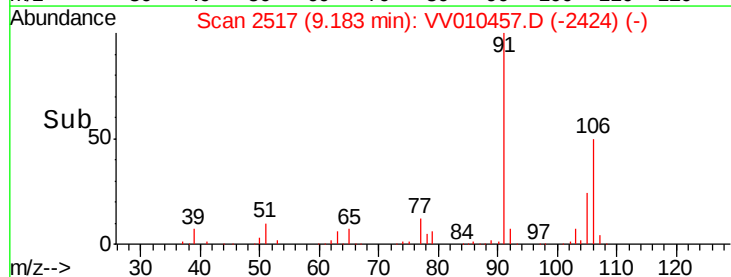
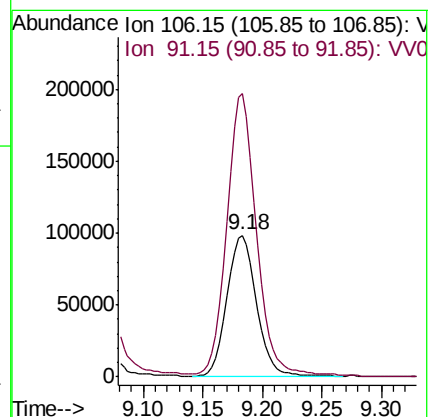
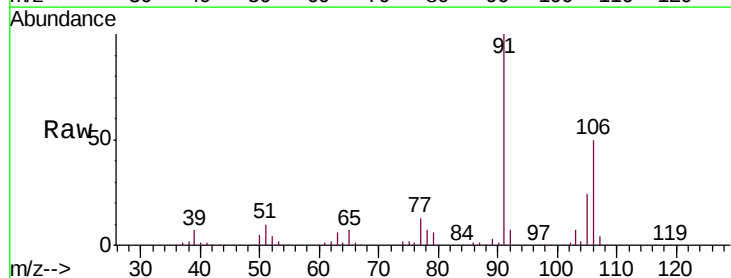
Acq: 24 Apr 2019 12:43

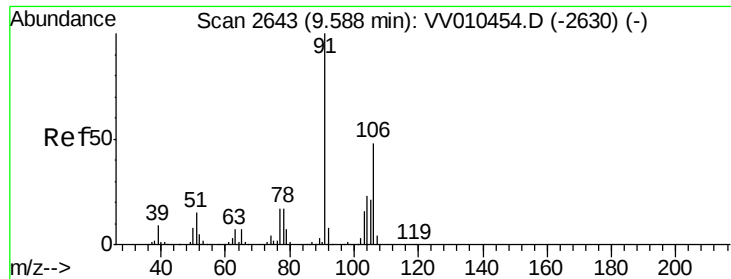
Tgt Ion: 106 Resp: 168260

Ion Ratio Lower Upper

106 100

91 200.3 142.9 265.3





#54

o-xylene

Concen: 4.695 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

Instrument :

MSVOA_V

ClientSampleId :

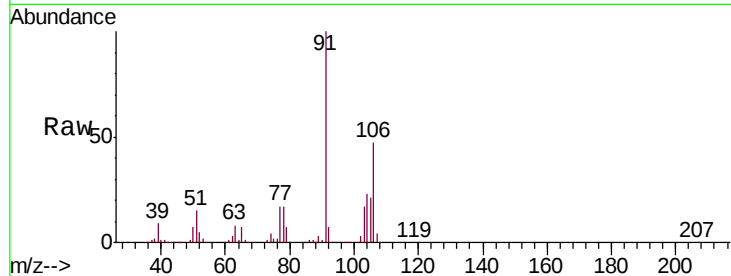
VICV38

Tgt Ion:106 Resp: 161671

Ion Ratio Lower Upper

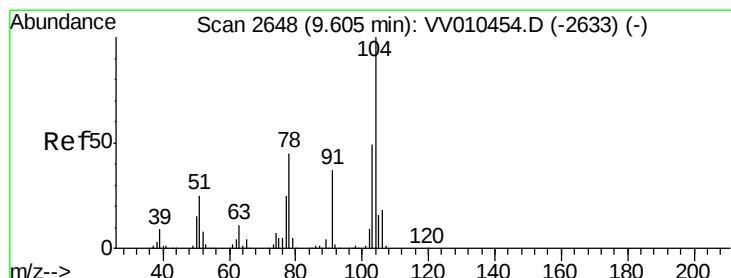
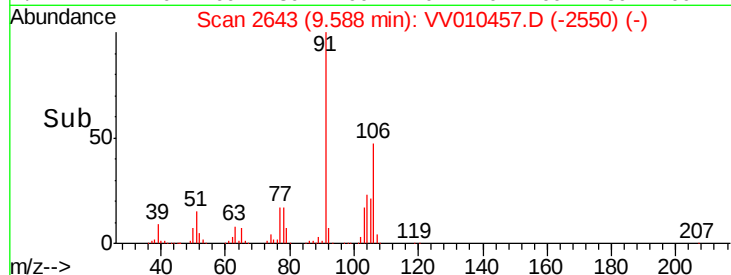
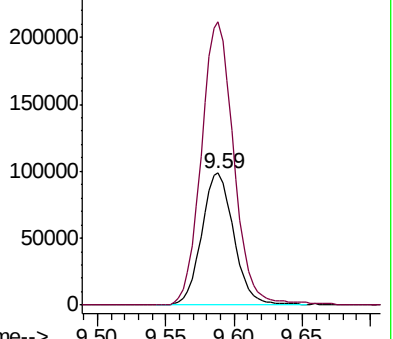
106 100

91 214.8 147.5 273.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.876 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV010457.D

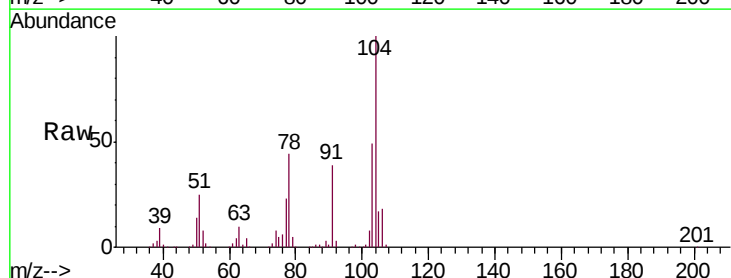
Acq: 24 Apr 2019 12:43

Tgt Ion:104 Resp: 272408

Ion Ratio Lower Upper

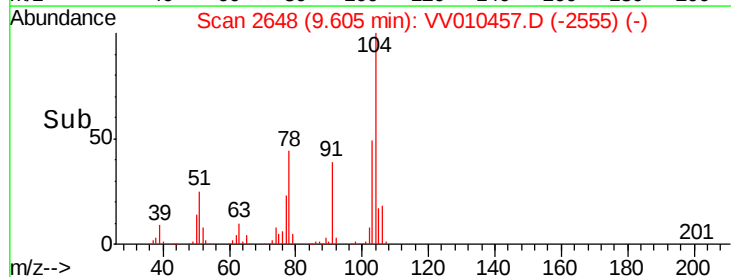
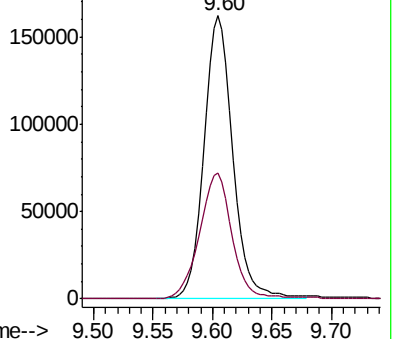
104 100

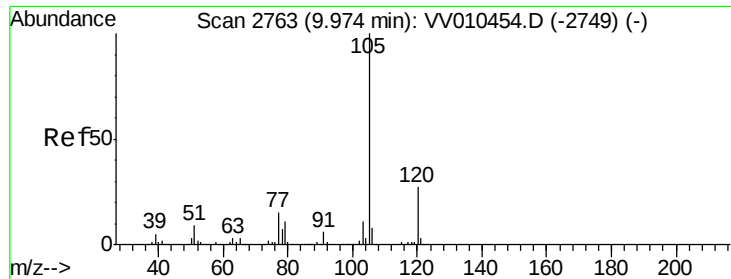
78 44.4 31.4 58.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.791 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

Instrument :

MSVOA_V

ClientSampleId :

VICV38

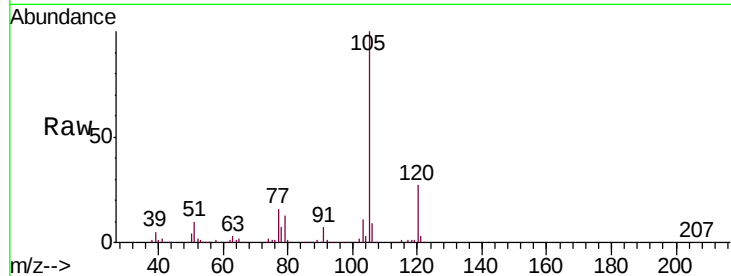
Tgt Ion:105 Resp: 439429

Ion Ratio Lower Upper

105 100

120 26.6 21.9 32.9

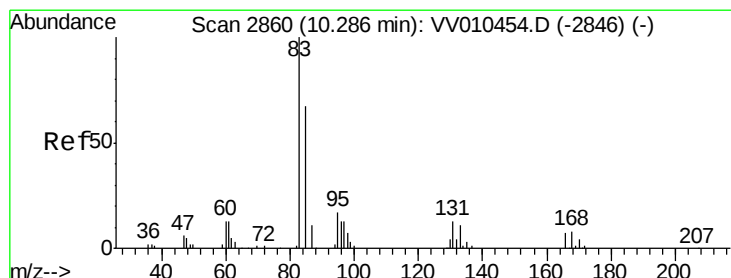
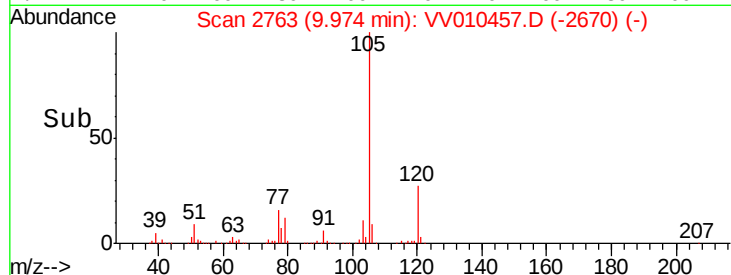
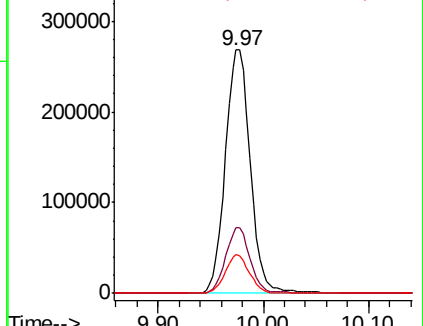
77 15.6 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.668 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

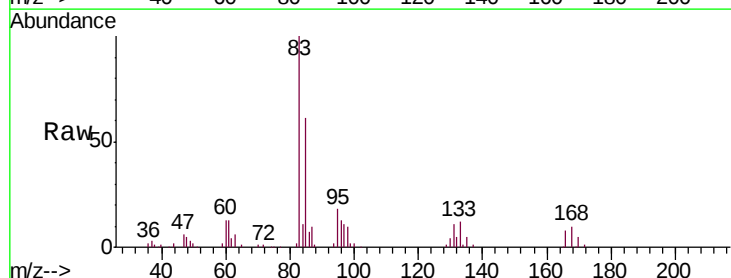
Tgt Ion: 83 Resp: 67376

Ion Ratio Lower Upper

83 100

85 61.1 46.9 87.1

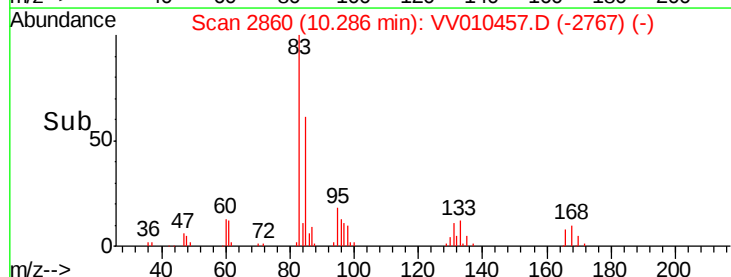
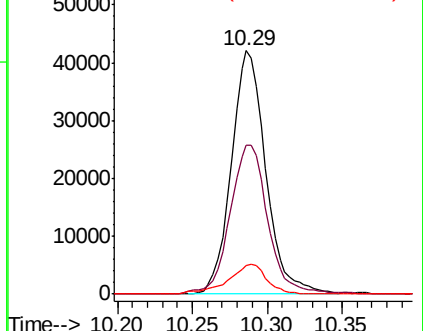
131 11.5 10.3 15.5

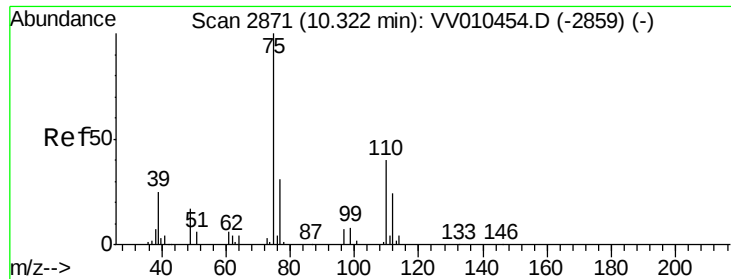


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.600 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

Instrument :

MSVOA_V

ClientSampleId :

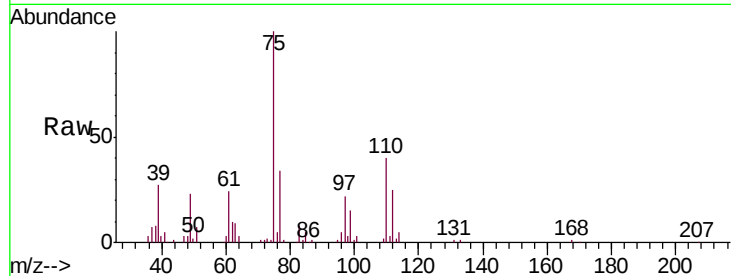
VICV38

Tgt Ion: 75 Resp: 48746

Ion Ratio Lower Upper

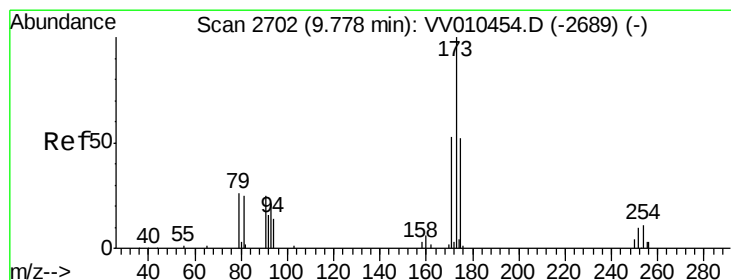
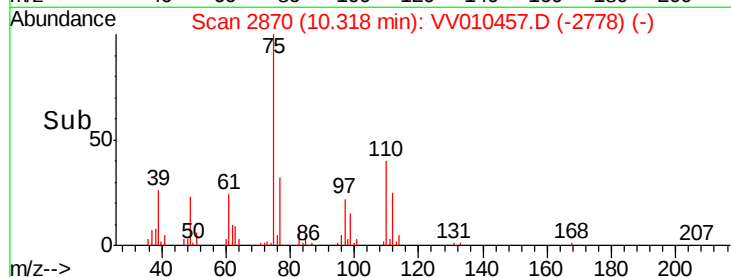
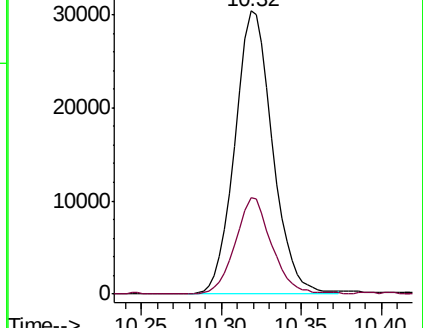
75 100

77 33.0 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV010454.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV010454.D (-2859) (-)



#61

Bromoform

Concen: 4.662 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

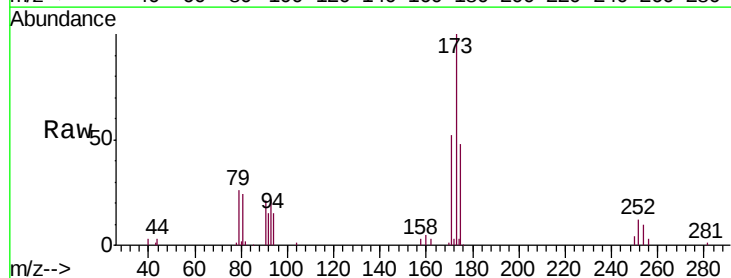
Tgt Ion: 173 Resp: 39862

Ion Ratio Lower Upper

173 100

175 47.3 38.9 58.3

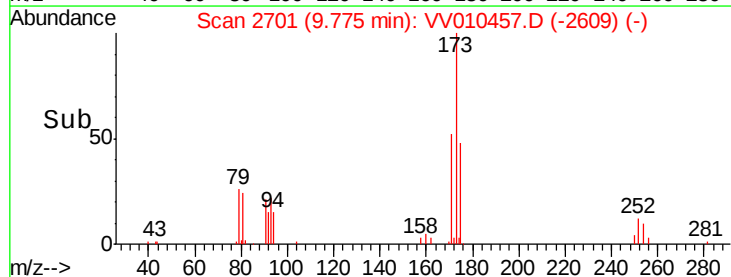
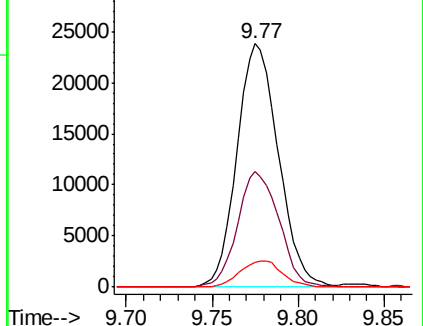
254 11.0 8.1 12.1

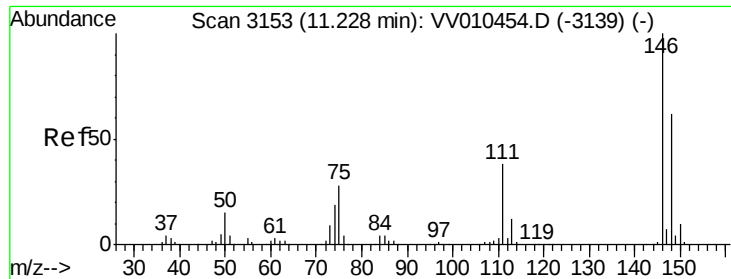


Abundance Ion 172.90 (172.60 to 173.60): VV010454.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV010454.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV010454.D (-2689) (-)

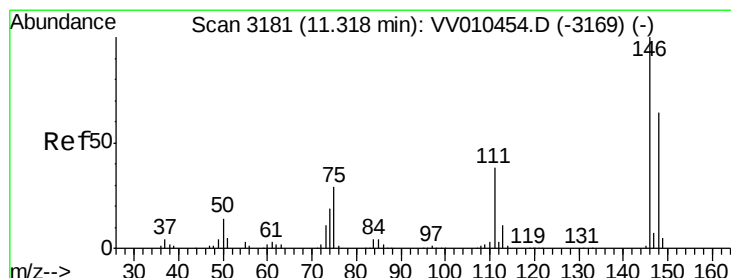
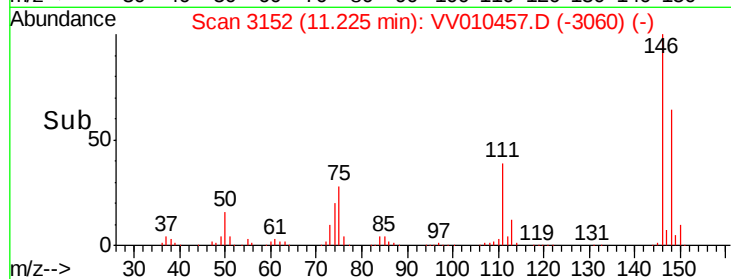
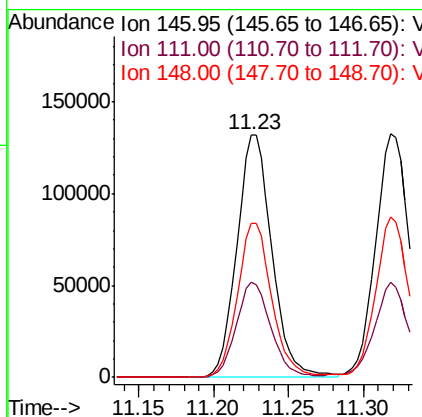
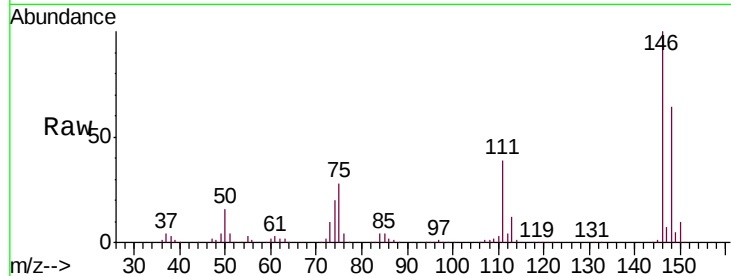




#62
 1,3-Dichlorobenzene
 Concen: 4.790 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV010457.D
 Acq: 24 Apr 2019 12:43

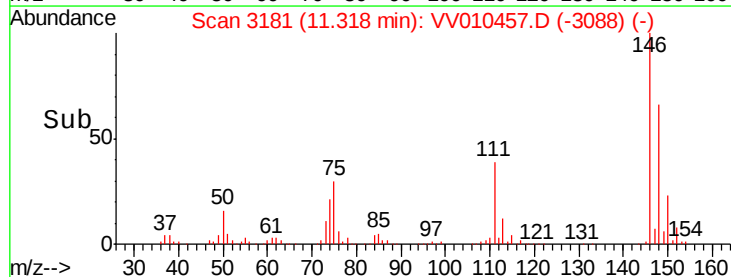
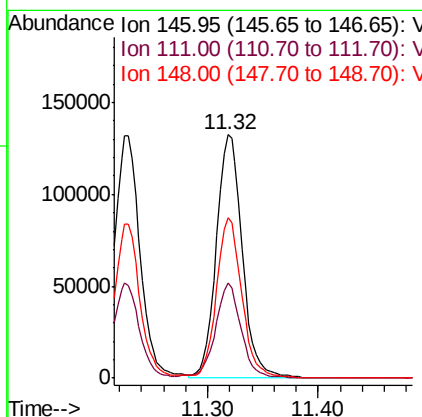
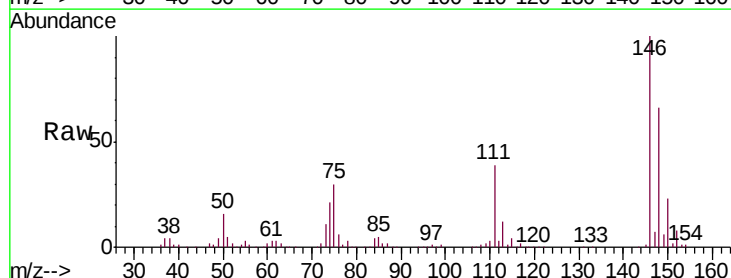
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV38

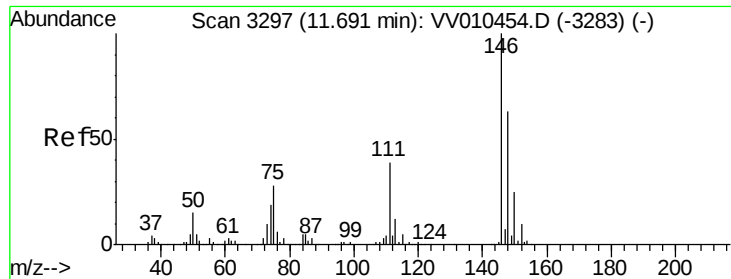
Tgt Ion:146 Resp: 215284
 Ion Ratio Lower Upper
 146 100
 111 39.2 26.3 48.9
 148 63.6 43.3 80.3



#63
 1,4-Dichlorobenzene
 Concen: 4.768 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV010457.D
 Acq: 24 Apr 2019 12:43

Tgt Ion:146 Resp: 215811
 Ion Ratio Lower Upper
 146 100
 111 38.8 26.6 49.4
 148 66.0 44.5 82.7

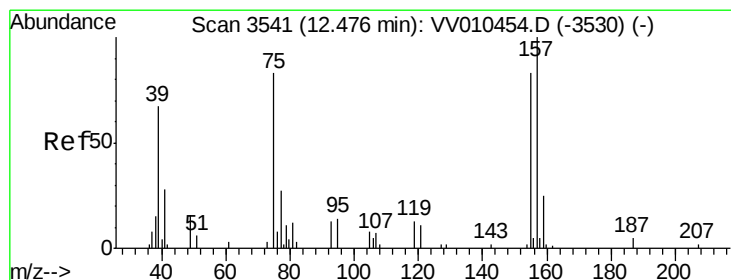
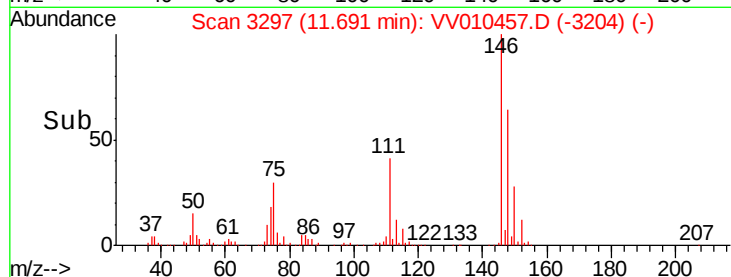
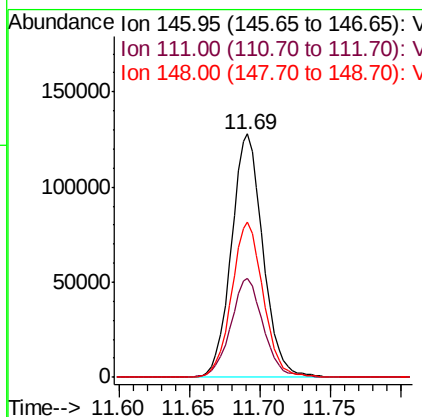
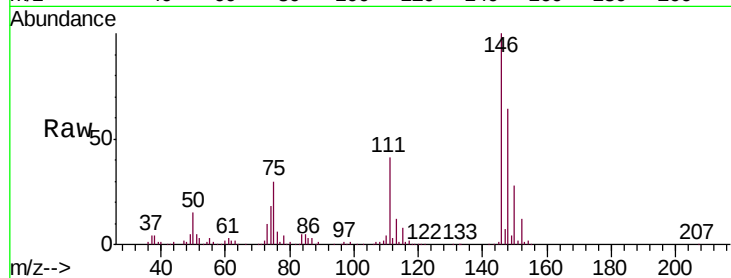




#65
 1,2-Dichlorobenzene
 Concen: 4.705 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV010457.D
 Acq: 24 Apr 2019 12:43

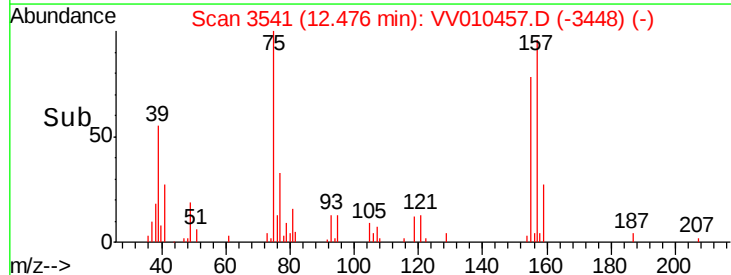
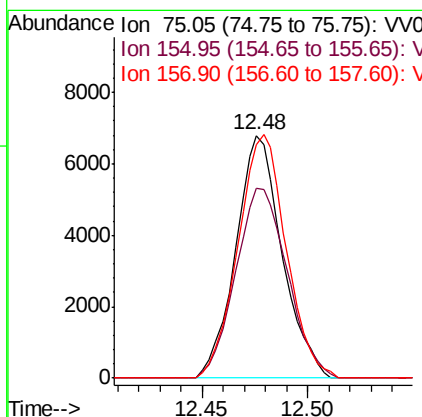
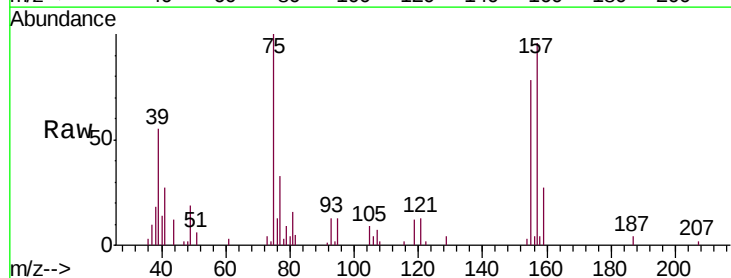
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV38

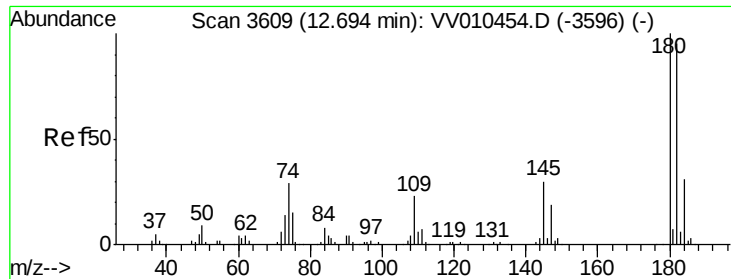
Tgt Ion:146 Resp: 200600
 Ion Ratio Lower Upper
 146 100
 111 40.8 31.6 47.4
 148 63.6 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.474 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV010457.D
 Acq: 24 Apr 2019 12:43

Tgt Ion: 75 Resp: 10332
 Ion Ratio Lower Upper
 75 100
 155 78.0 80.3 120.5#
 157 96.2 96.7 145.1#

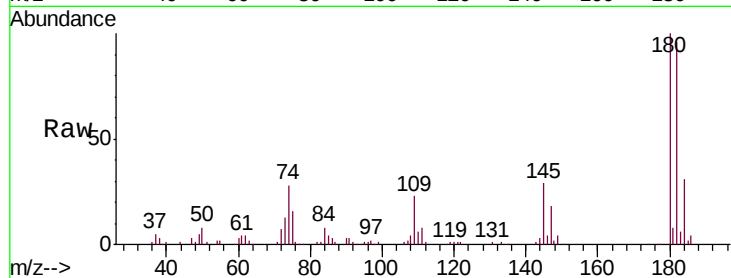




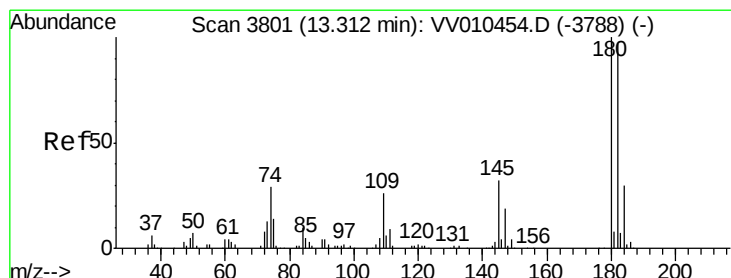
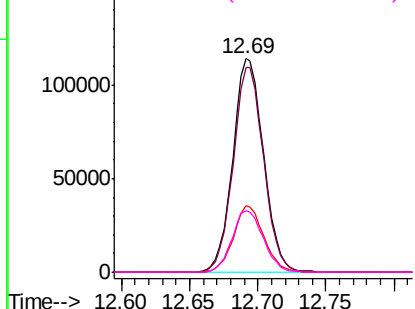
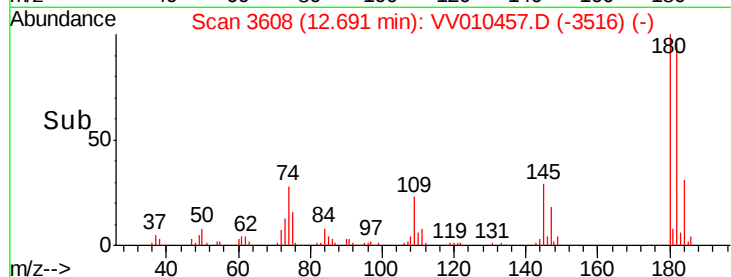
#67
 1,3,5-Trichlorobenzene
 Concen: 4.832 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV010457.D
 Acq: 24 Apr 2019 12:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV38

Tgt Ion:	180	Resp:	177850
Ion	Ratio	Lower	Upper
180	100		
182	94.7	74.8	112.2
184	30.7	24.0	36.0
145	29.5	23.7	35.5

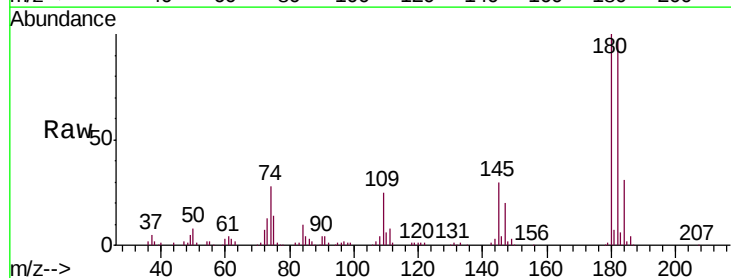


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

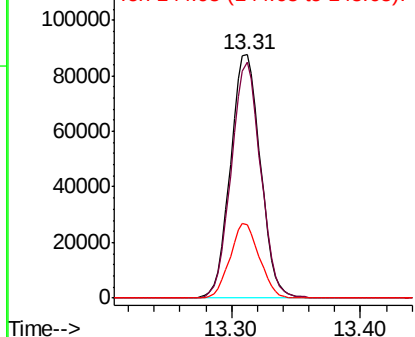
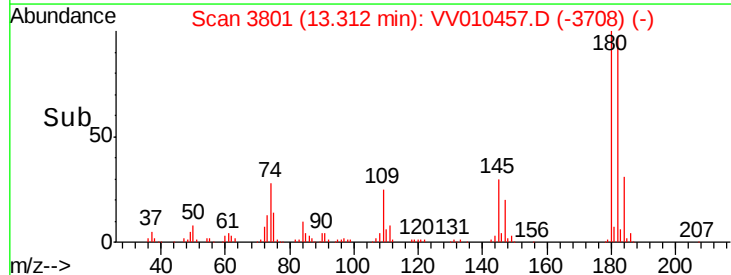


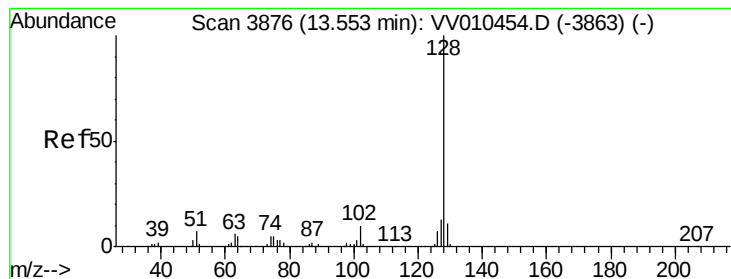
#68
 1,2,4-trichlorobenzene
 Concen: 5.067 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV010457.D
 Acq: 24 Apr 2019 12:43

Tgt Ion:	180	Resp:	141102
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.3	114.5
145	30.1	24.5	36.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.993 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

Instrument :

MSVOA_V

ClientSampleId :

VICV38

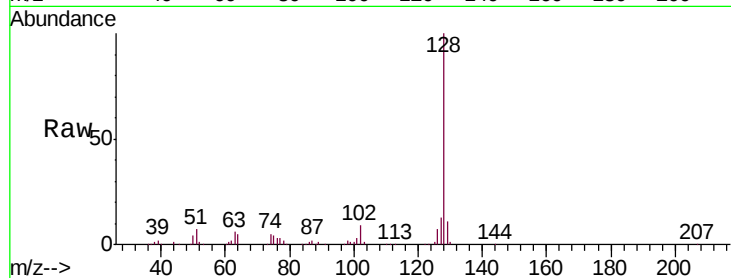
Tgt Ion:128 Resp: 206322

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

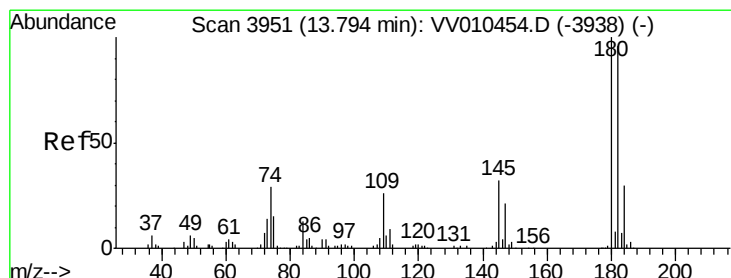
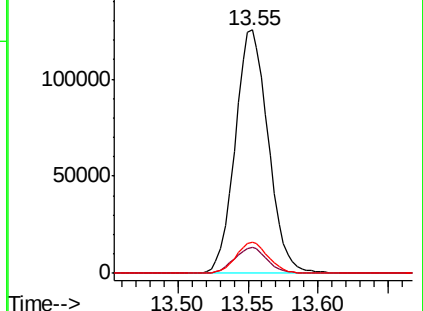
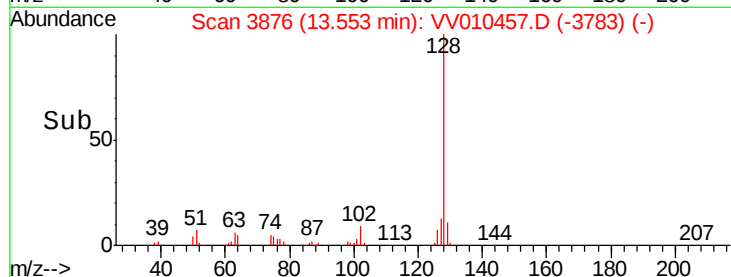
127 12.5 10.3 15.5



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: 4.918 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV010457.D

Acq: 24 Apr 2019 12:43

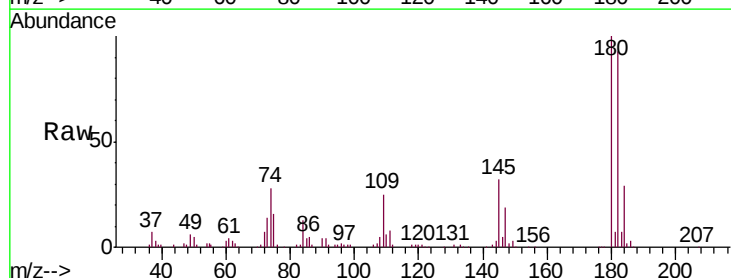
Tgt Ion:180 Resp: 129850

Ion Ratio Lower Upper

180 100

182 95.3 76.9 115.3

145 32.2 25.4 38.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

