

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061620\
 Data File : VV016948.D
 Acq On : 16 Jun 2020 09:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 17 00:51:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 16 14:36:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	342523	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	327506	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	173255	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101495	41.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.98%
7) Chloroethane-d5	1.57	69	75883	52.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.64%
11) 1,1-Dichloroethene-d2	2.12	63	194615	47.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.90%
21) 2-Butanone-d5	3.89	46	167878	93.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.85%
24) Chloroform-d	4.37	84	246678	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.38%
26) 1,2-Dichloroethane-d4	5.05	65	169546	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.44%
32) Benzene-d6	5.07	84	456279	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.66%
36) 1,2-Dichloropropane-d6	6.09	67	141173	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.94%
41) Toluene-d8	7.33	98	430461	49.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.38%
43) trans-1,3-Dichloropropene-	7.64	79	77646	50.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.32%
47) 2-Hexanone-d5	8.11	63	112612	87.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.77%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	183114	47.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	183449	49.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	135919	50.052	ug/L 99
3) Chloromethane	1.25	50	117786	47.430	ug/L 97
5) Vinyl chloride	1.32	62	117722	48.205	ug/L 98
6) Bromomethane	1.53	94	51784	50.913	ug/L 96
8) Chloroethane	1.59	64	66803	55.377	ug/L 97
9) Trichlorofluoromethane	1.76	101	195264	53.430	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	96555	53.020	ug/L 99
12) 1,1-Dichloroethene	2.13	96	88339	51.963	ug/L 91
13) Acetone	2.17	43	153652	130.365	ug/L 100
14) Carbon disulfide	2.31	76	295906	48.074	ug/L 99
15) Methyl Acetate	2.44	43	129743	49.388	ug/L 100
16) Methylene chloride	2.52	84	125108	50.151	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	117204	50.564	ug/L 94
18) Methyl tert-butyl Ether	2.78	73	402595	52.419	ug/L 99
19) 1,1-Dichloroethane	3.21	63	221649	50.801	ug/L 99
20) cis-1,2-Dichloroethene	3.93	96	127504	50.457	ug/L 98
22) 2-Butanone	3.98	43	202810	111.585	ug/L 98

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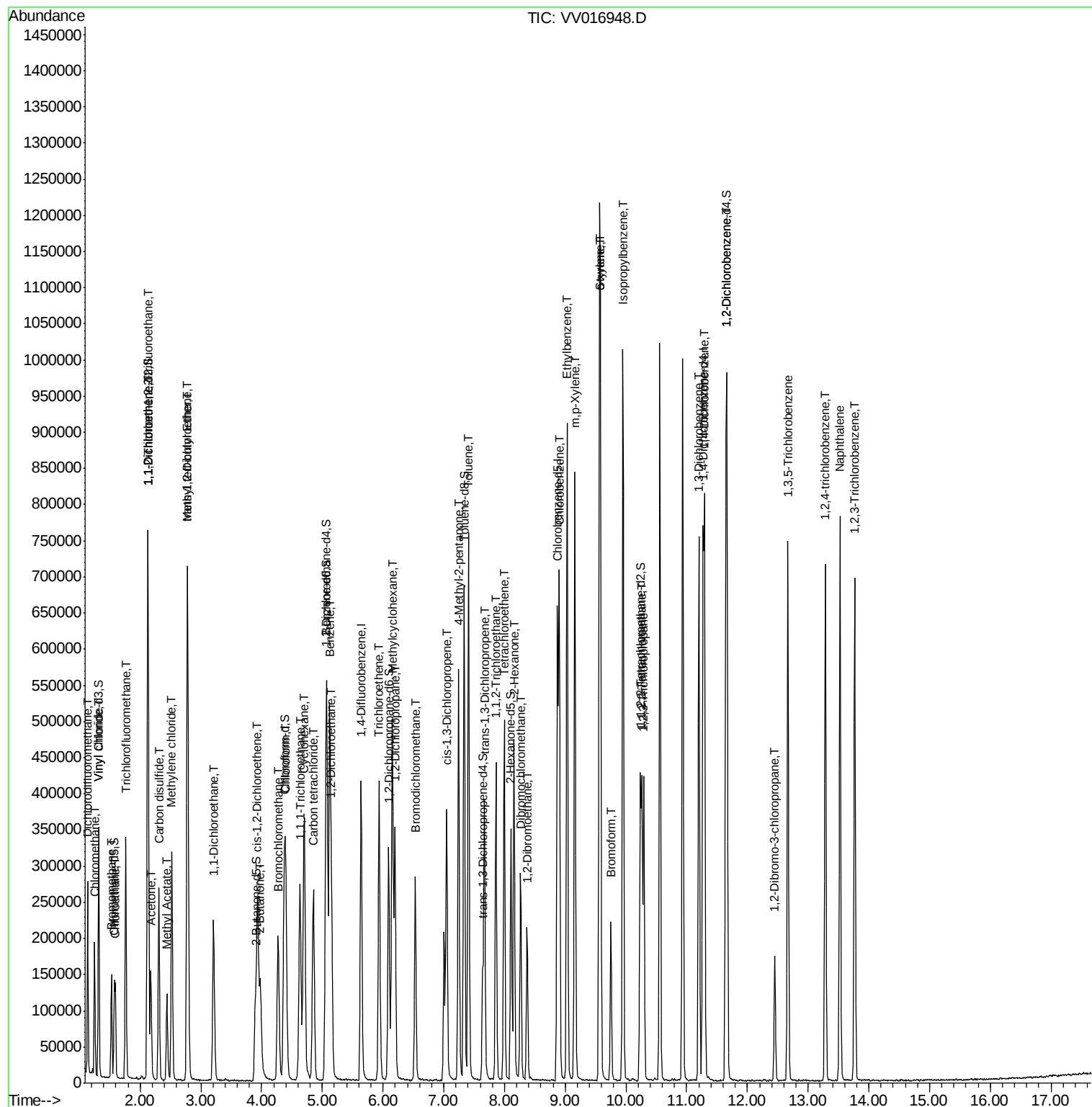
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	69235	52.011	ug/L	98
25) Chloroform	4.40	83	240421	53.618	ug/L	97
27) 1,2-Dichloroethane	5.15	62	199819	53.160	ug/L	99
29) Cyclohexane	4.70	56	193672	47.588	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	222296	53.224	ug/L	98
31) Carbon tetrachloride	4.85	117	195728	54.170	ug/L	98
33) Benzene	5.12	78	486505	50.207	ug/L	100
34) Trichloroethene	5.94	95	137133	52.768	ug/L	99
35) Methylcyclohexane	6.15	83	205052	50.295	ug/L	99
37) 1,2-Dichloropropane	6.20	63	125607	49.845	ug/L	99
38) Bromodichloromethane	6.53	83	179326	53.458	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	200107	51.121	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	360364	100.919	ug/L	100
42) Toluene	7.41	91	526102	51.503	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	203578	53.496	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	125543	51.638	ug/L	97
46) Tetrachloroethene	8.00	164	109681	53.662	ug/L	97
48) 2-Hexanone	8.15	43	289346	104.506	ug/L	99
49) Dibromochloromethane	8.27	129	140738	54.141	ug/L	99
50) 1,2-Dibromoethane	8.37	107	133711	52.519	ug/L	100
51) Chlorobenzene	8.90	112	342132	51.336	ug/L	99
52) Ethylbenzene	9.03	91	593391	52.445	ug/L	98
53) m,p-Xylene	9.16	106	223392	53.028	ug/L	98
54) o-xylene	9.56	106	215951	51.976	ug/L	100
55) Styrene	9.58	104	381833	54.357	ug/L	98
56) Isopropylbenzene	9.95	105	604097	54.111	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	179111	48.051	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	156712	50.123	ug/L	98
61) Bromoform	9.75	173	94495	53.025	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	291042	53.037	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	289042	51.768	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	287788	52.332	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	39661	45.866	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	221856	54.217	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	203761	54.288	ug/L	100
69) Naphthalene	13.52	128	575866	53.338	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	202998	55.275	ug/L	99

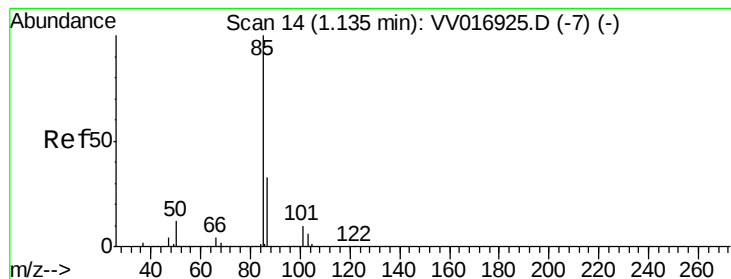
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.052 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

Instrument :

MSVOA_V

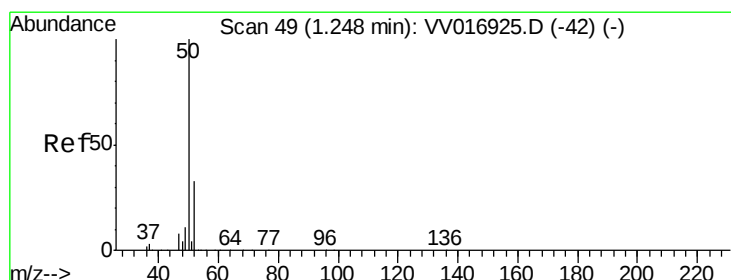
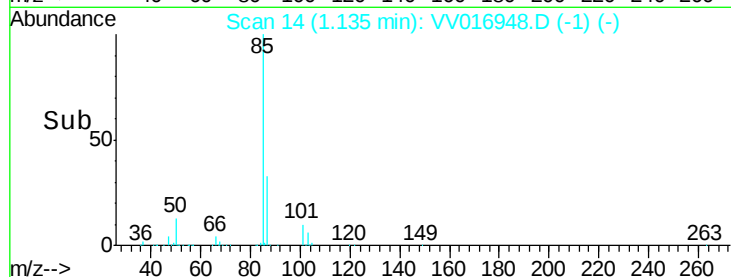
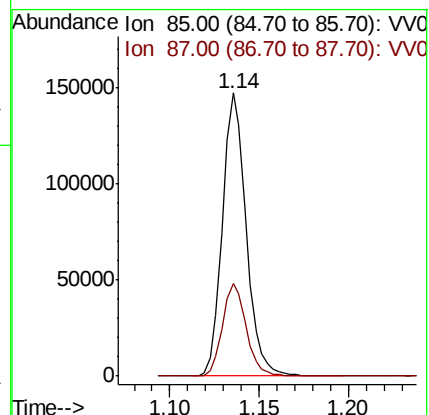
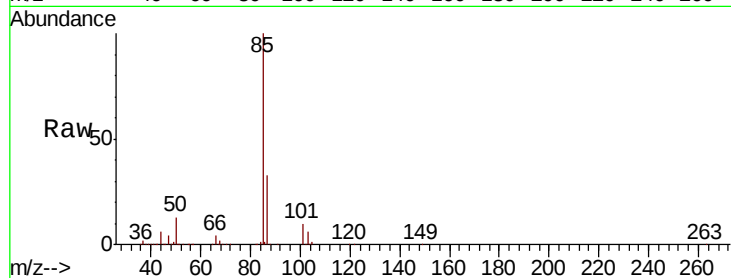
ClientSampleId :

Tot Ion: 85 Resp: 135919

Ion Ratio Lower Upper

85 100

87 32.6 25.6 38.4



#3

Chloromethane

Concen: 47.430 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016948.D

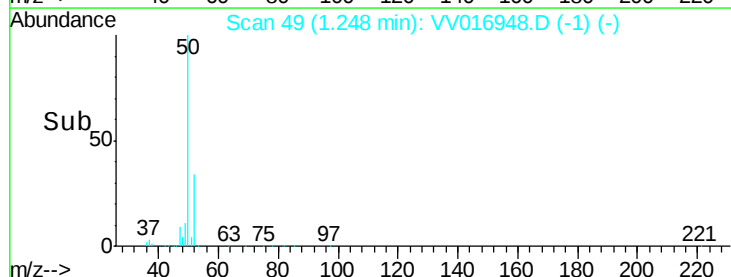
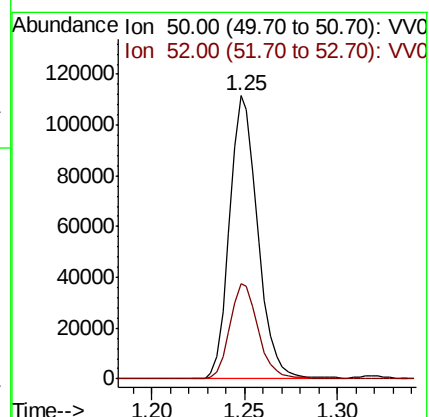
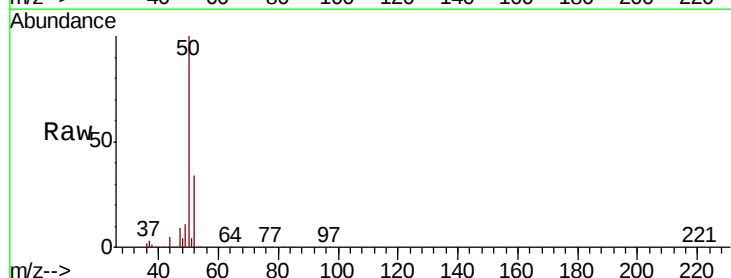
Acq: 16 Jun 2020 09:37

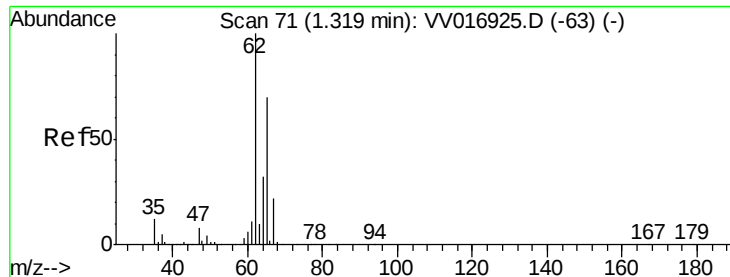
Tgt Ion: 50 Resp: 117786

Ion Ratio Lower Upper

50 100

52 33.6 22.5 41.7





#5

Vinyl chloride

Concen: 48.205 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

Instrument :

MSVOA_V

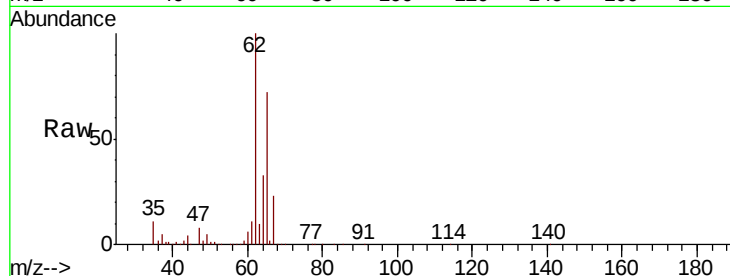
ClientSampleId :

Tot Ion: 62 Resp: 117722

Ion Ratio Lower Upper

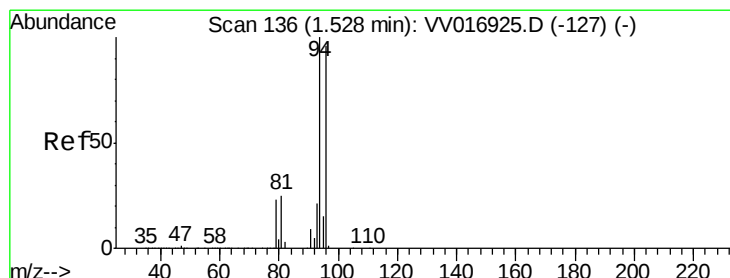
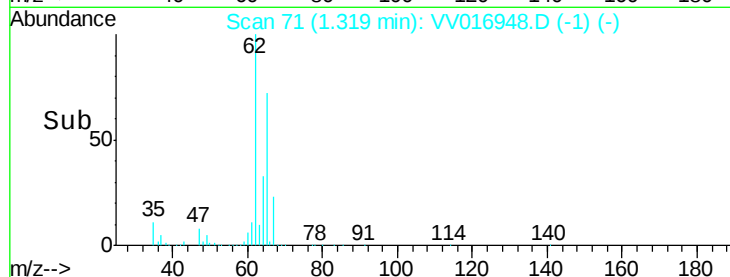
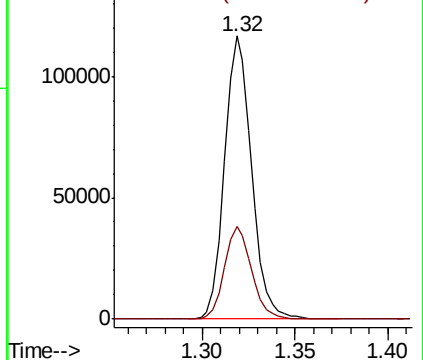
62 100

64 33.0 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 50.913 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV016948.D

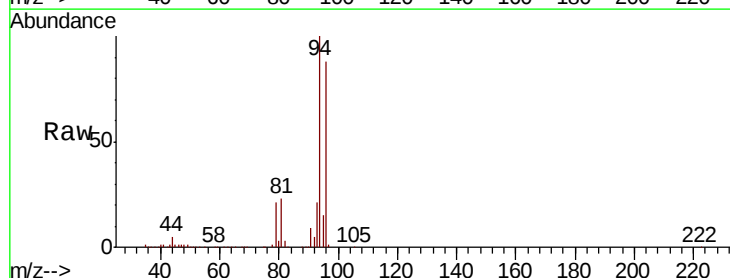
Acq: 16 Jun 2020 09:37

Tgt Ion: 94 Resp: 51784

Ion Ratio Lower Upper

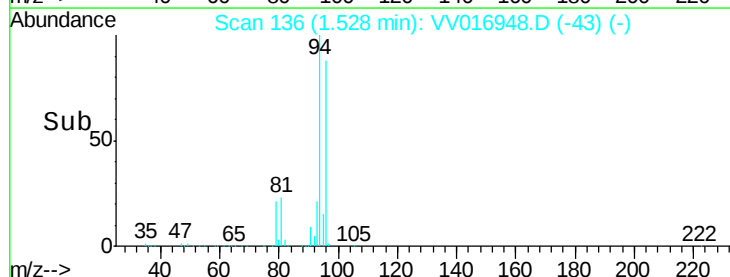
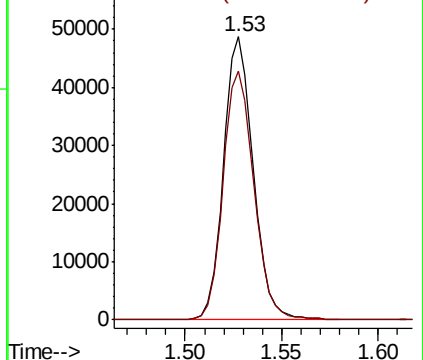
94 100

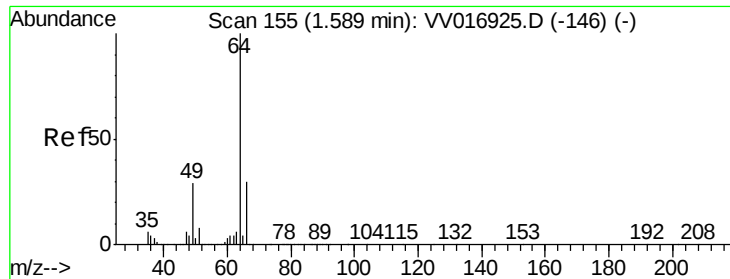
96 88.1 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 55.377 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

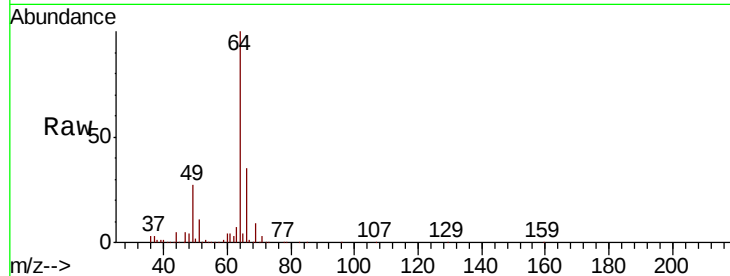
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 66803

Ion Ratio Lower Upper

64 100

66 34.7 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV016948.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV016948.D (-146) (-)

1.59

60000

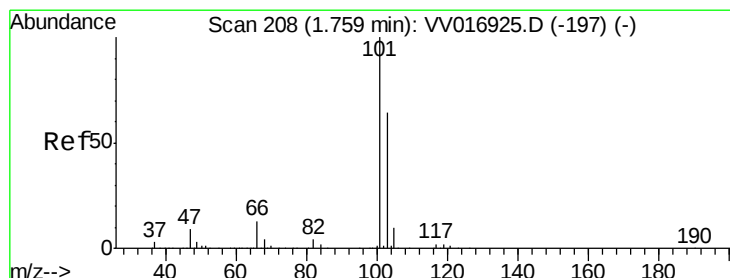
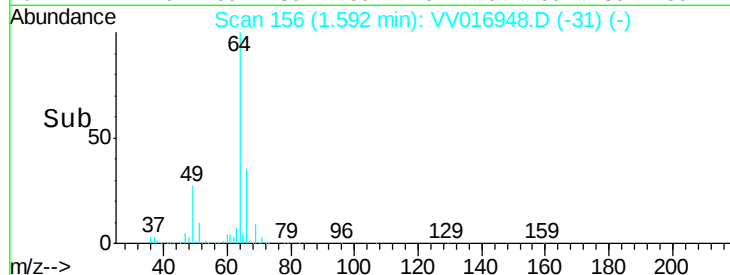
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 53.430 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV016948.D

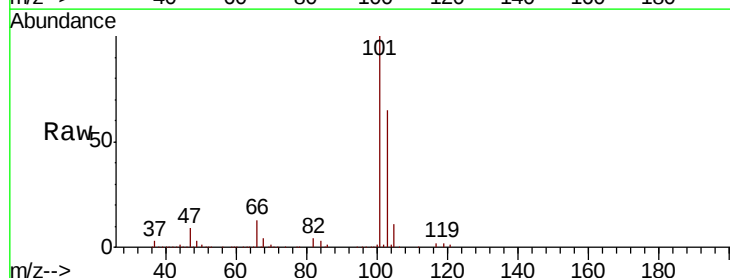
Acq: 16 Jun 2020 09:37

Tgt Ion: 101 Resp: 195264

Ion Ratio Lower Upper

101 100

103 63.6 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV016948.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV016948.D (-197) (-)

1.76

150000

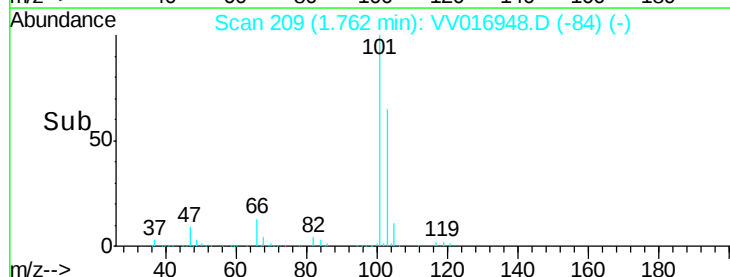
100000

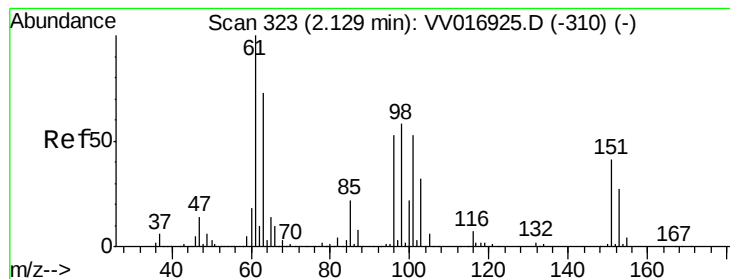
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 53.020 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

Instrument :

MSVOA_V

ClientSampled :

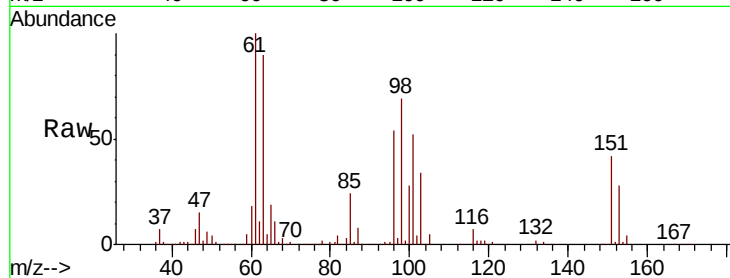
Tot Ion:101 Resp: 96555

Ion Ratio Lower Upper

101 100

85 45.2 35.5 53.3

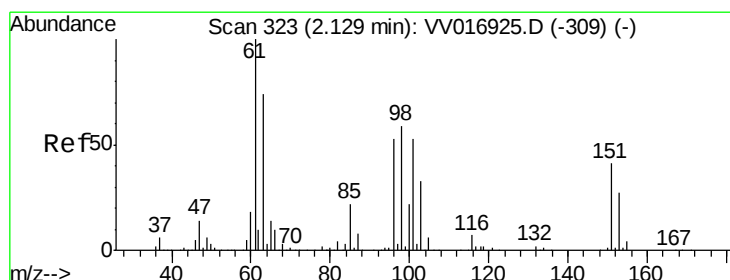
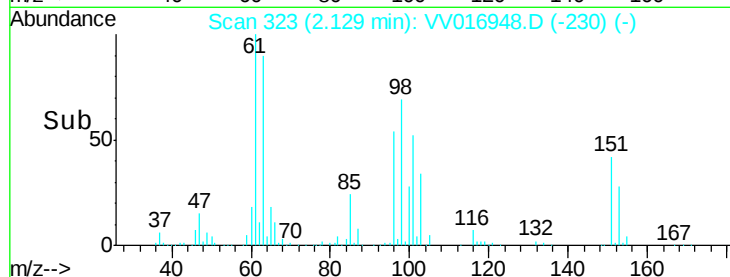
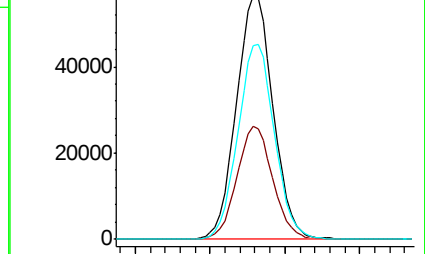
151 79.6 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV016948.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV016948.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV016948.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 51.963 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

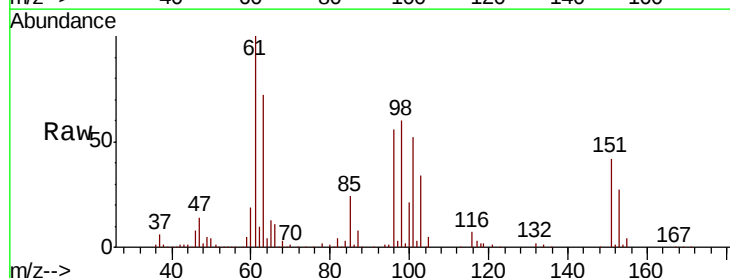
Tgt Ion: 96 Resp: 88339

Ion Ratio Lower Upper

96 100

61 179.4 130.4 242.2

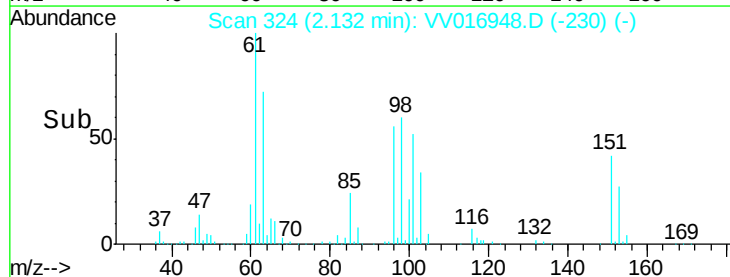
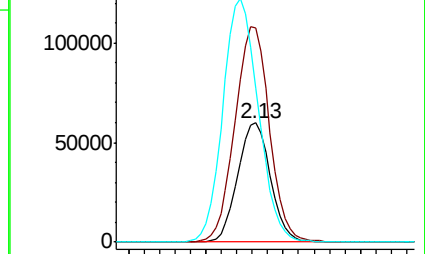
63 128.9 103.3 191.9

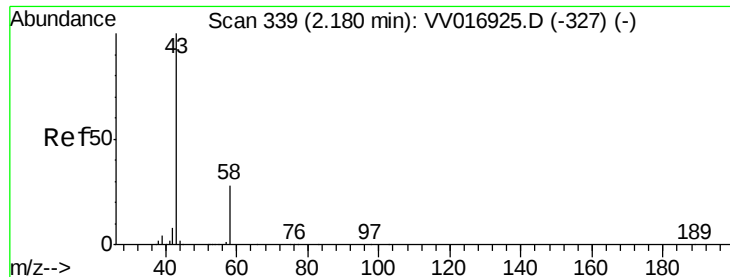


Abundance Ion 96.00 (95.70 to 96.70): VV016948.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV016948.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV016948.D (-230) (-)





#13

Acetone

Concen: 130.365 ug/L

RT: 2.17 min Scan# 337

Delta R.T. -0.01 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

Instrument :

MSVOA_V

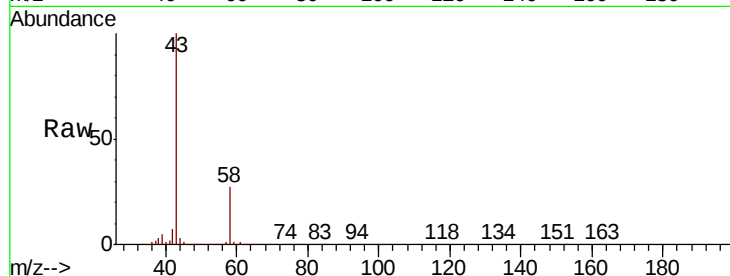
ClientSampleId :

Tot Ion: 43 Resp: 153652

Ion Ratio Lower Upper

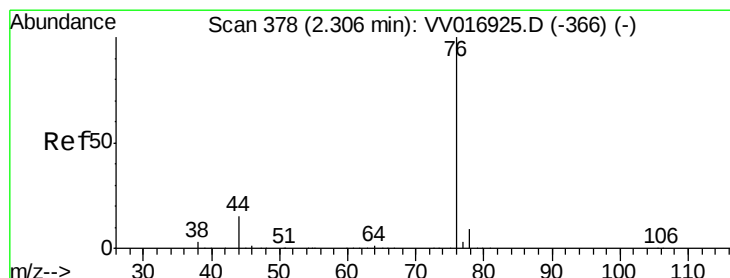
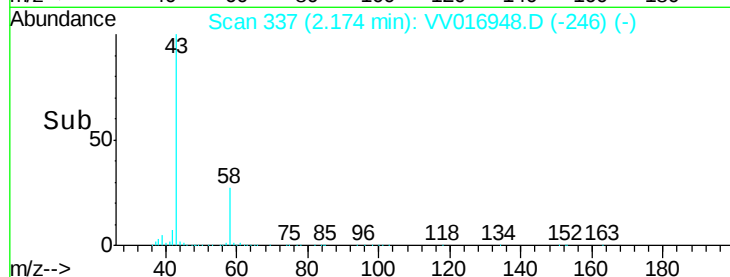
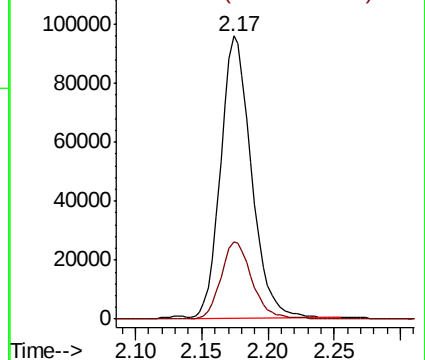
43 100

58 27.8 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016925.D (-327) (-)

Ion 58.00 (57.70 to 58.70): VV016925.D (-327) (-)



#14

Carbon disulfide

Concen: 48.074 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV016948.D

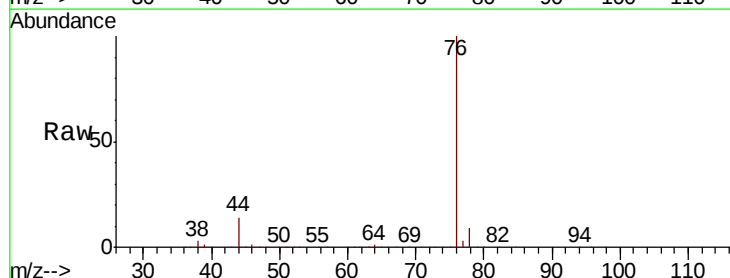
Acq: 16 Jun 2020 09:37

Tgt Ion: 76 Resp: 295906

Ion Ratio Lower Upper

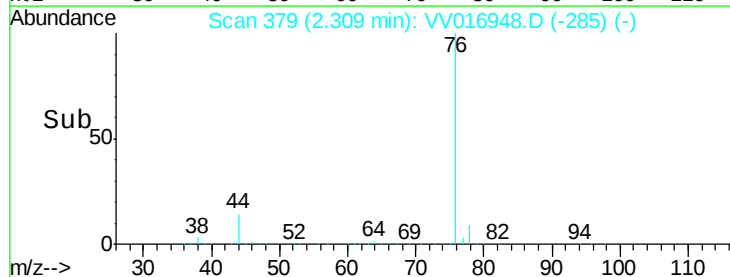
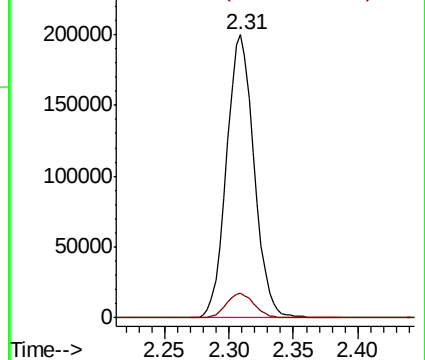
76 100

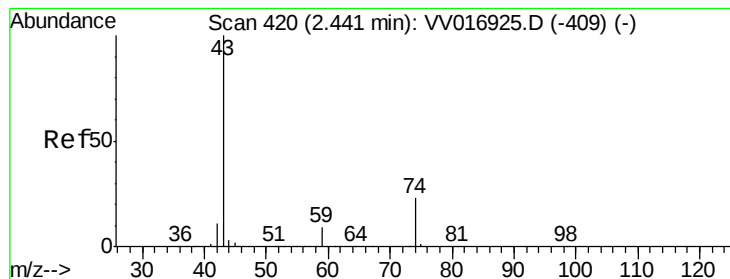
78 8.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV016925.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV016925.D (-366) (-)





#15

Methyl Acetate

Concen: 49.388 ug/L

RT: 2.44 min Scan# 420

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

Instrument :

MSVOA_V

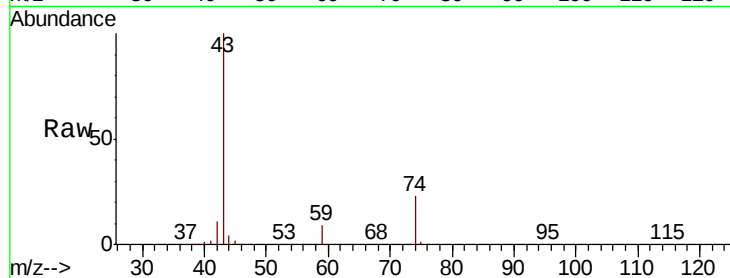
ClientSampled :

Tot Ion: 43 Resp: 129743

Ion Ratio Lower Upper

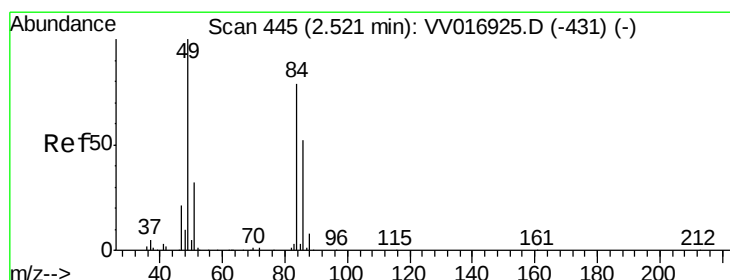
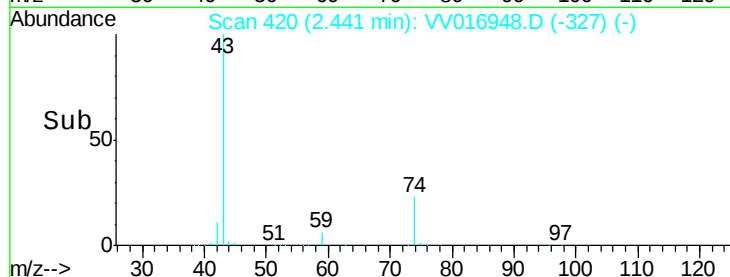
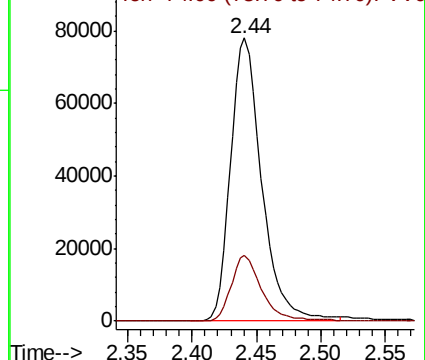
43 100

74 22.6 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 50.151 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

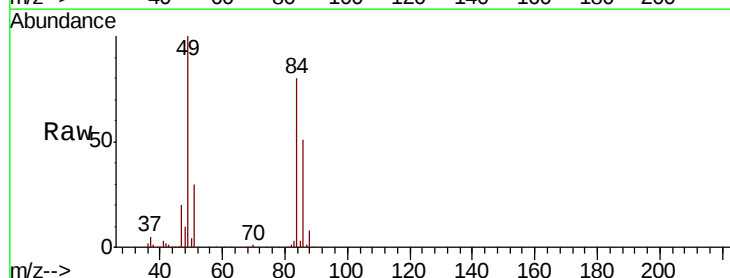
Tgt Ion: 84 Resp: 125108

Ion Ratio Lower Upper

84 100

86 63.8 44.0 81.8

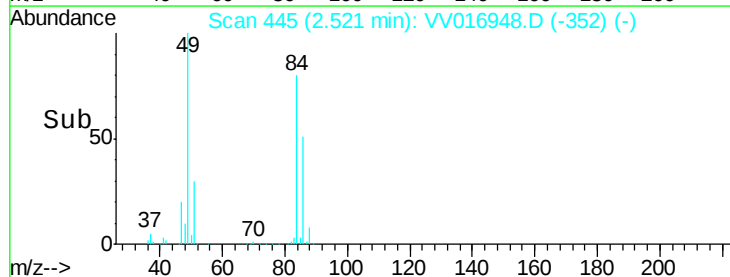
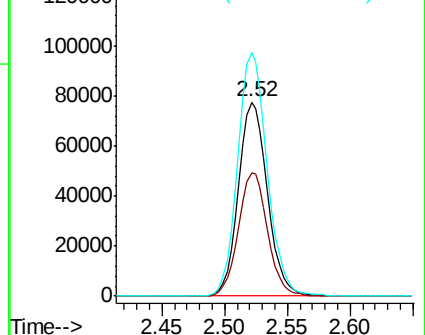
49 125.5 90.9 168.9

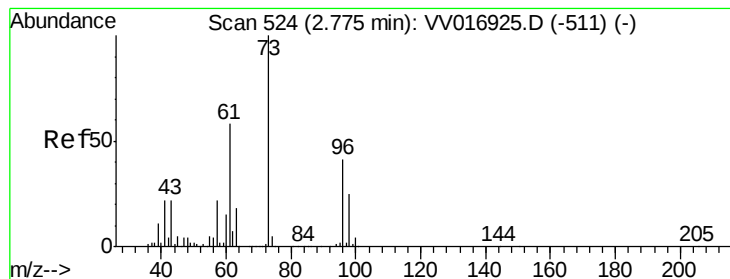


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 50.564 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

Instrument :

MSVOA_V

ClientSampleId :

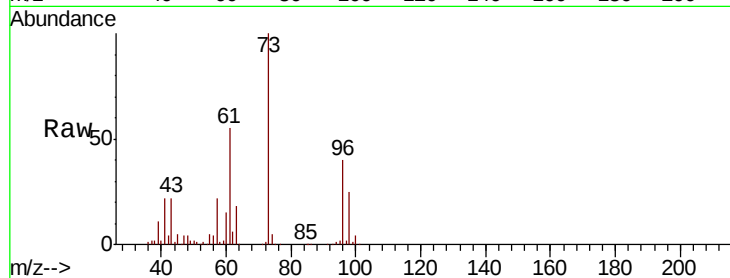
Tot Ion: 96 Resp: 117204

Ion Ratio Lower Upper

96 100

61 139.2 102.9 191.1

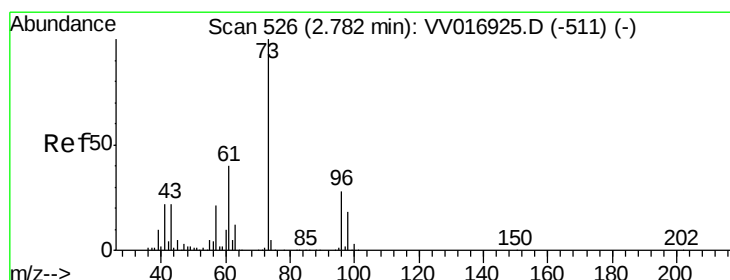
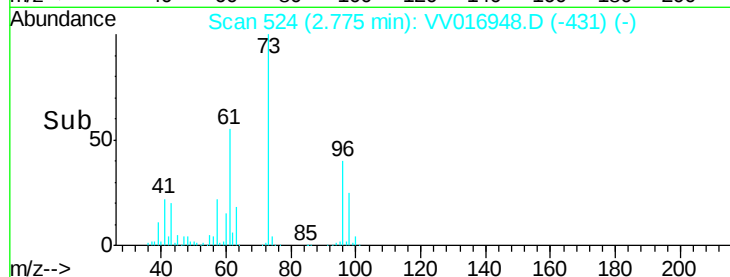
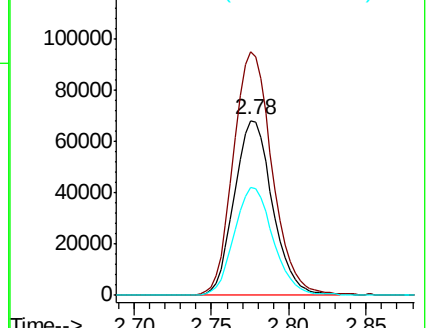
98 61.6 45.5 84.5



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



#18

Methyl tert-butyl Ether

Concen: 52.419 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

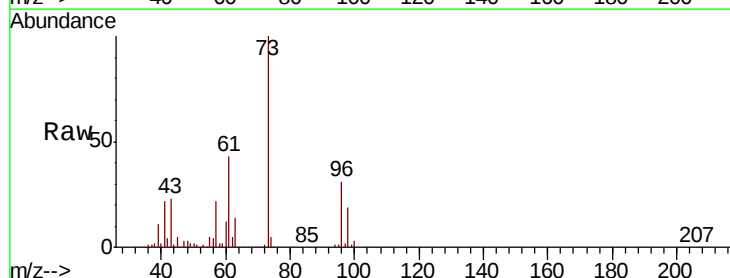
Tgt Ion: 73 Resp: 402595

Ion Ratio Lower Upper

73 100

43 22.1 17.8 26.6

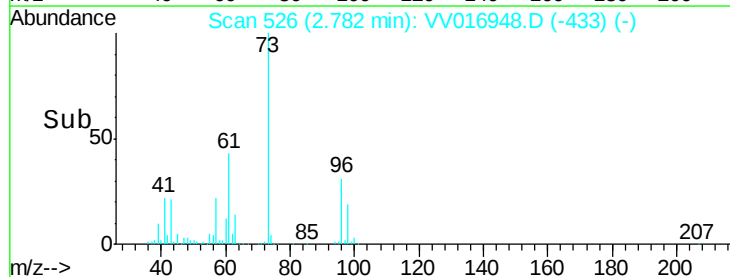
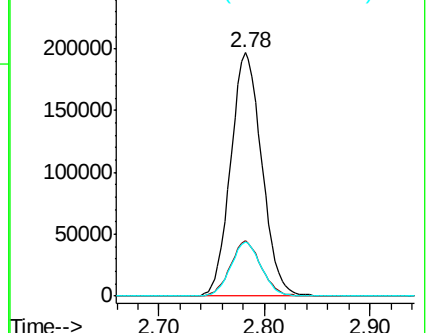
57 21.7 17.7 26.5

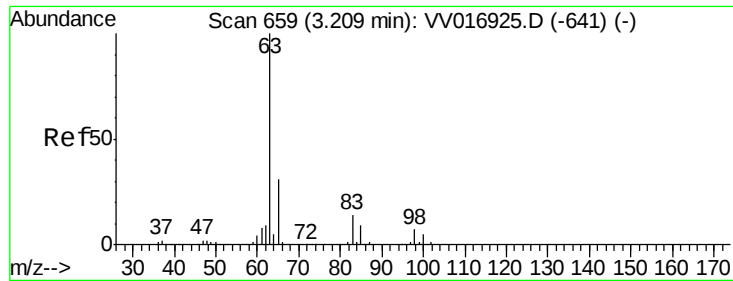


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

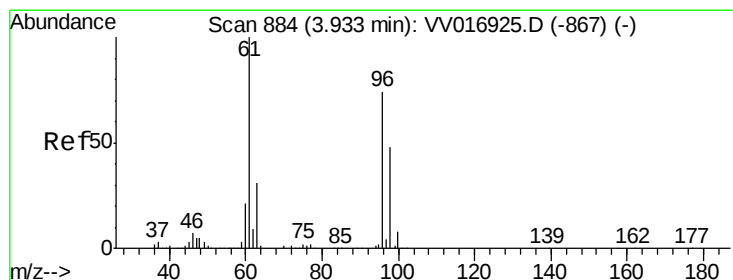
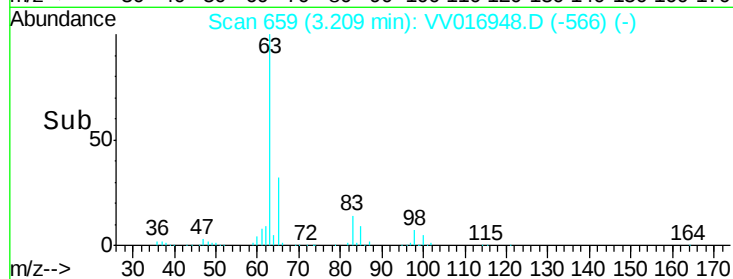
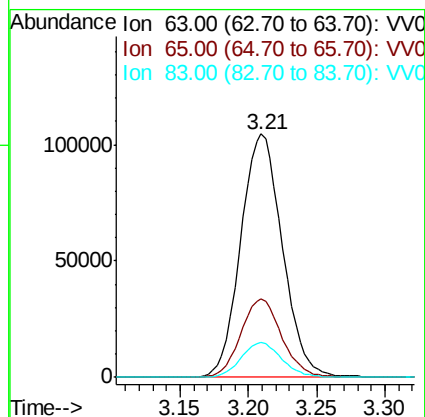
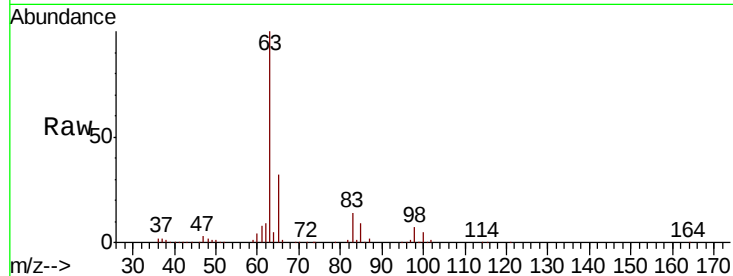




#19
 1,1-Dichloroethane
 Concen: 50.801 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016948.D
 Acq: 16 Jun 2020 09:37

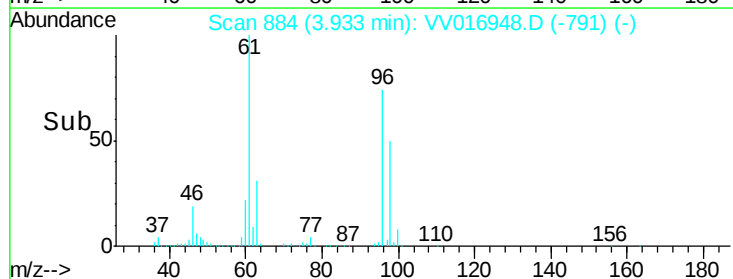
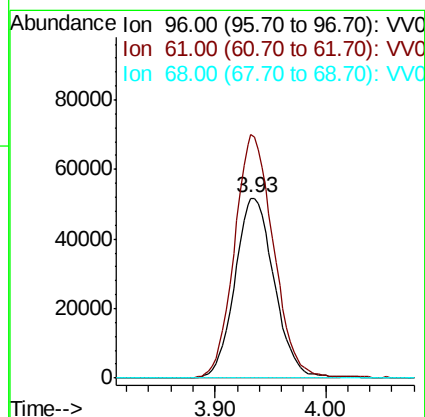
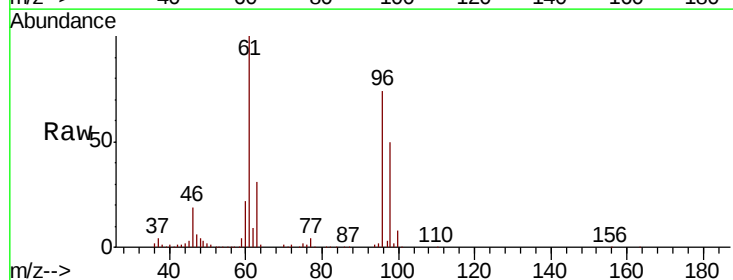
Instrument :
 MSVOA_V
 ClientSampled :

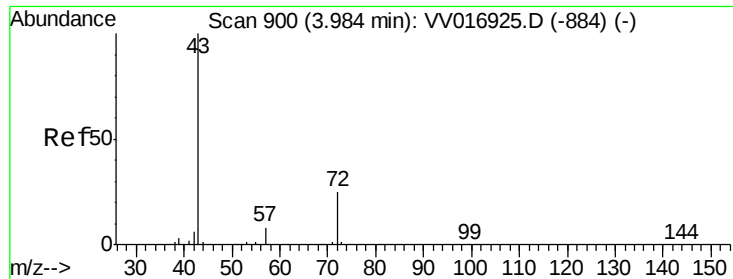
Tot Ion:	63	Resp:	221649
Ion	Ratio	Lower	Upper
63	100		
65	32.3	23.2	43.0
83	14.2	10.0	18.6



#20
 cis-1,2-Dichloroethene
 Concen: 50.457 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV016948.D
 Acq: 16 Jun 2020 09:37

Tgt Ion:	96	Resp:	127504
Ion	Ratio	Lower	Upper
96	100		
61	135.5	93.4	173.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 111.585 ug/L

RT: 3.98 min Scan# 898

Delta R.T. -0.01 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

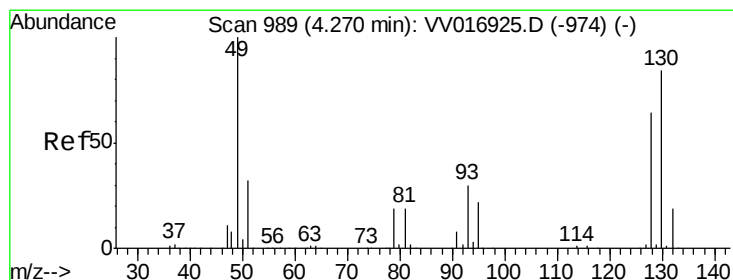
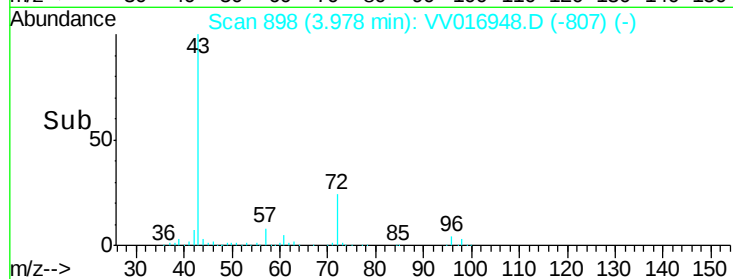
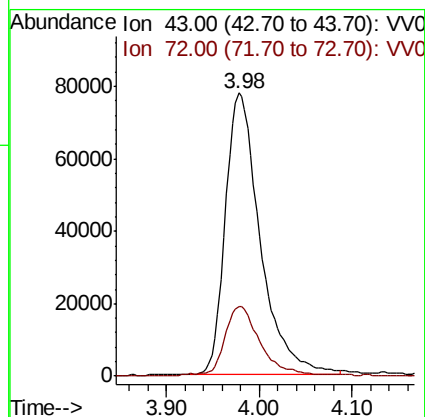
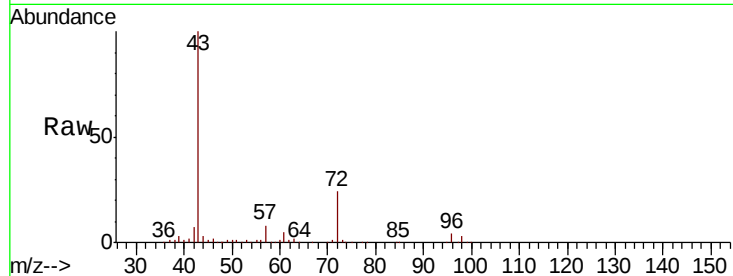
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 202810

Ion Ratio Lower Upper

43 100

72 24.0 12.4 37.4



#23

Bromochloromethane

Concen: 52.011 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

Tgt Ion: 128 Resp: 69235

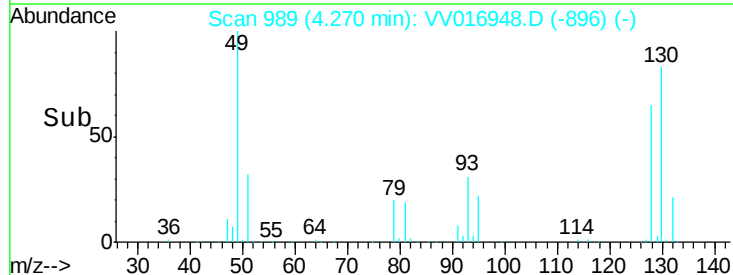
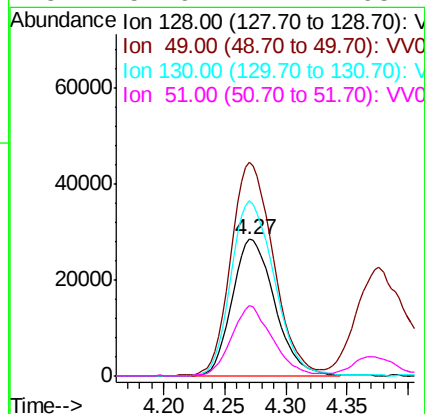
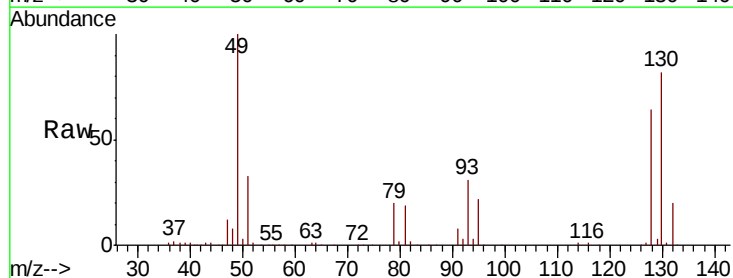
Ion Ratio Lower Upper

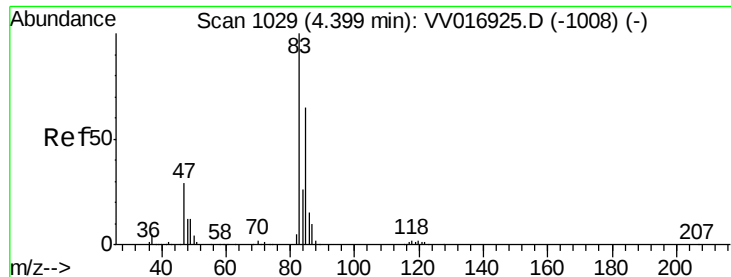
128 100

49 156.2 111.9 207.9

130 127.8 91.5 169.9

51 51.6 42.1 63.1





#25

Chloroform

Concen: 53.618 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

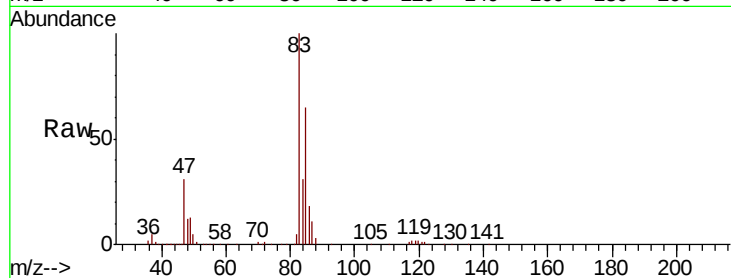
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 240421

Ion Ratio Lower Upper

83 100

85 65.4 44.1 81.9



Abundance Ion 83.00 (82.70 to 83.70): VV016948.D (-936) (-)

Ion 85.00 (84.70 to 85.70): VV016948.D (-936) (-)

4.40

100000

80000

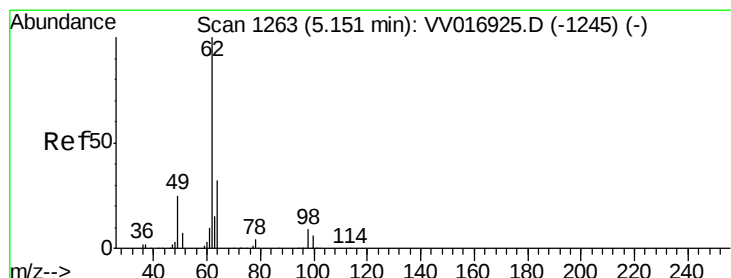
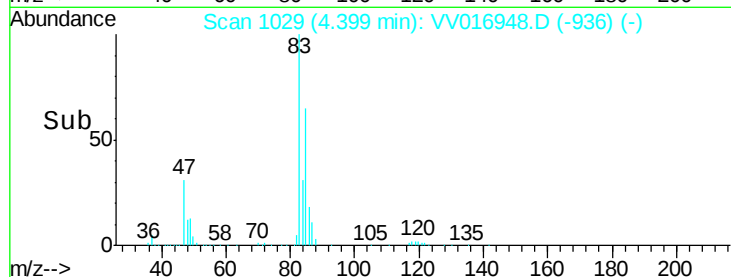
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 53.160 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VV016948.D

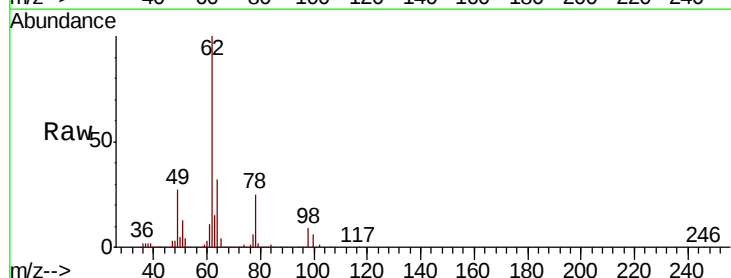
Acq: 16 Jun 2020 09:37

Tgt Ion: 62 Resp: 199819

Ion Ratio Lower Upper

62 100

98 9.0 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV016948.D (-1170) (-)

Ion 98.00 (97.70 to 98.70): VV016948.D (-1170) (-)

5.15

100000

80000

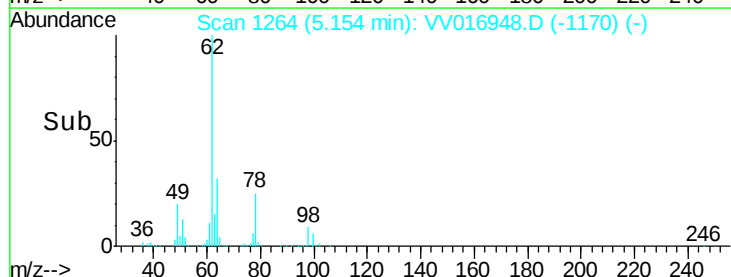
60000

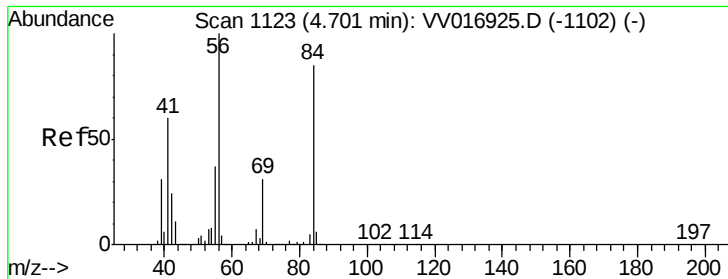
40000

20000

0

Time-->

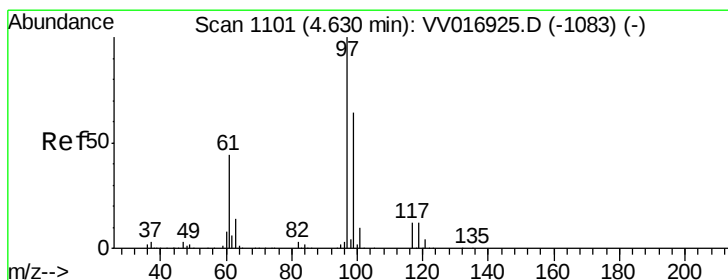
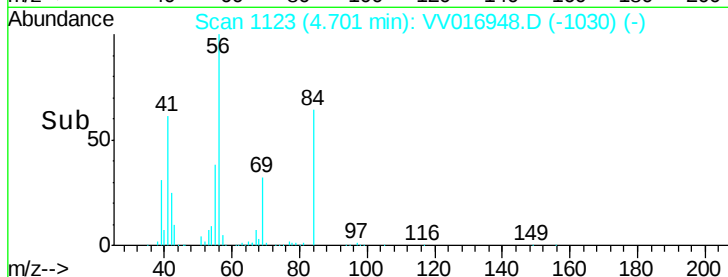
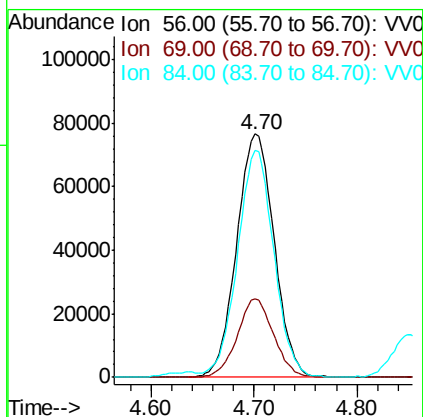
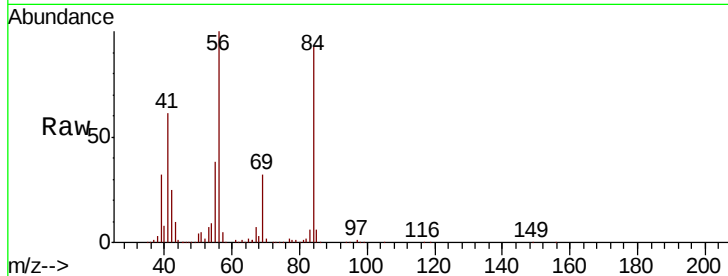




#29
Cyclohexane
Concen: 47.588 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV016948.D
Acq: 16 Jun 2020 09:37

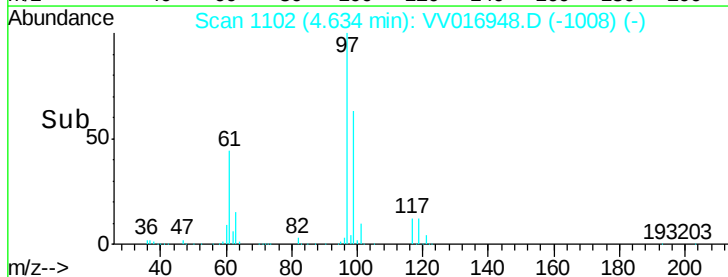
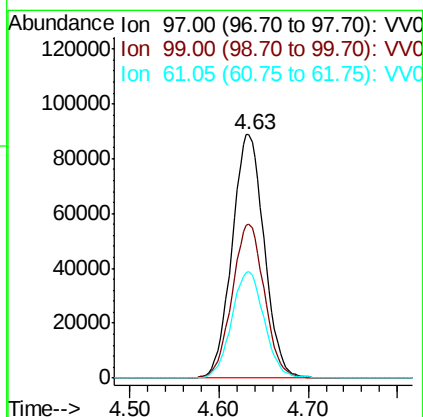
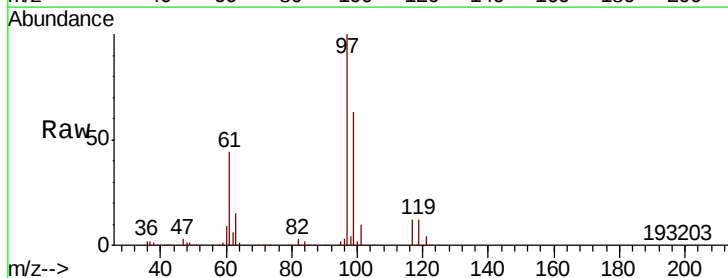
Instrument :
MSVOA_V
ClientSampleId :

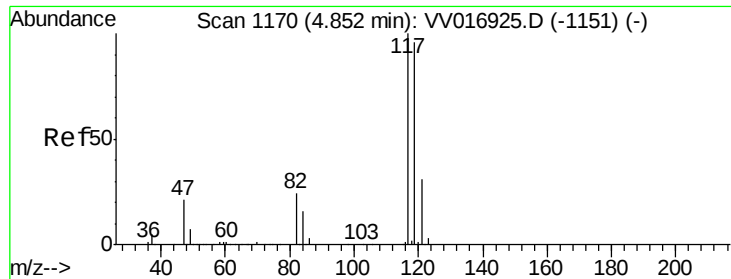
Tot Ion: 56 Resp: 193672
Ion Ratio Lower Upper
56 100
69 31.2 25.0 37.4
84 90.8 69.5 104.3



#30
1,1,1-Trichloroethane
Concen: 53.224 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV016948.D
Acq: 16 Jun 2020 09:37

Tgt Ion: 97 Resp: 222296
Ion Ratio Lower Upper
97 100
99 63.6 51.3 76.9
61 44.1 36.7 55.1

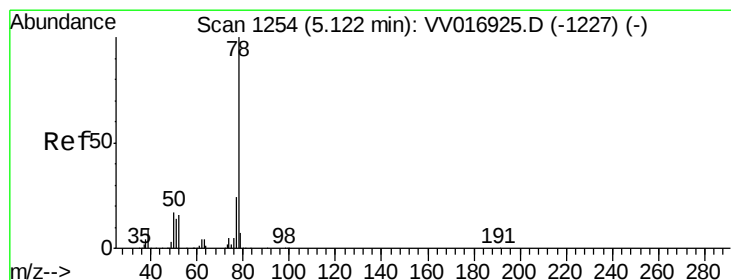
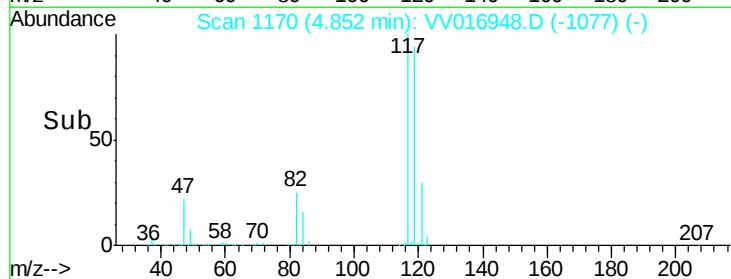
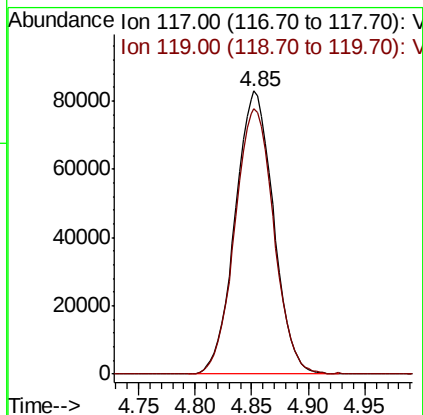
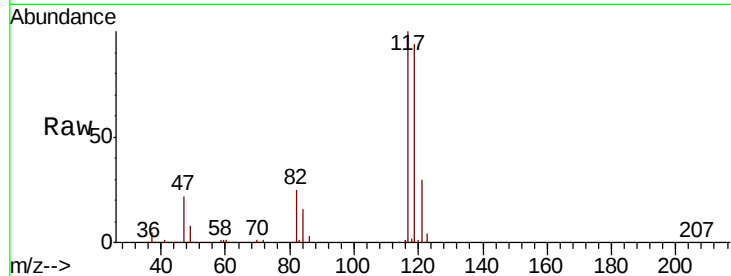




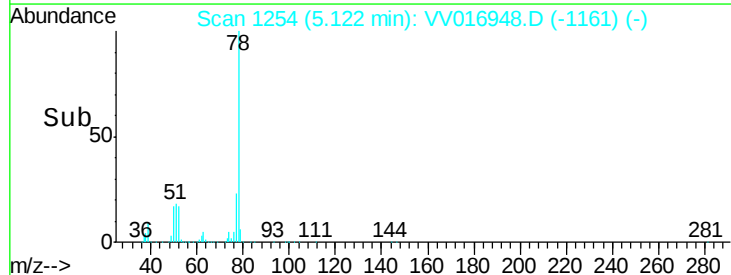
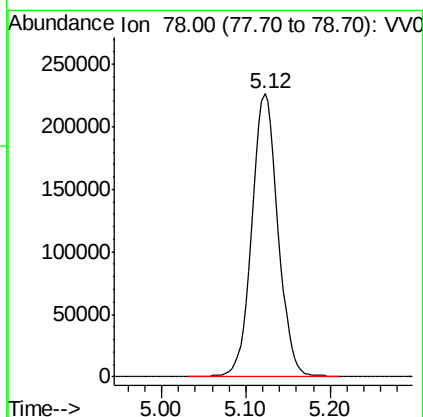
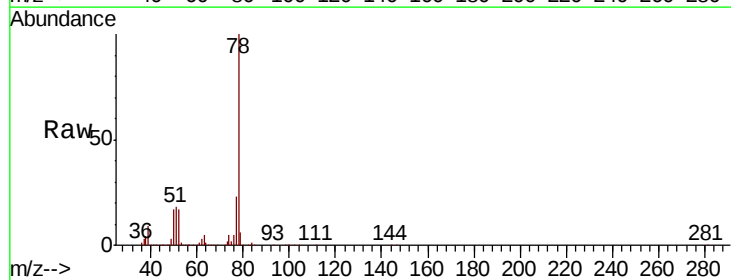
#31
Carbon tetrachloride
Concen: 54.170 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV016948.D
Acq: 16 Jun 2020 09:37

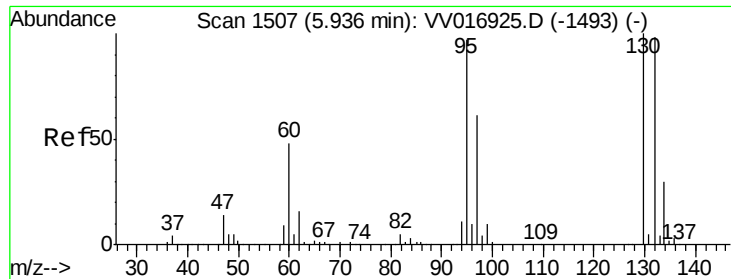
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 195728
Ion Ratio Lower Upper
117 100
119 95.3 77.4 116.2



#33
Benzene
Concen: 50.207 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV016948.D
Acq: 16 Jun 2020 09:37
Tgt Ion: 78 Resp: 486505

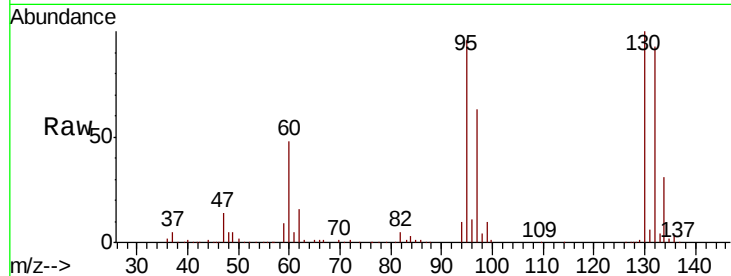




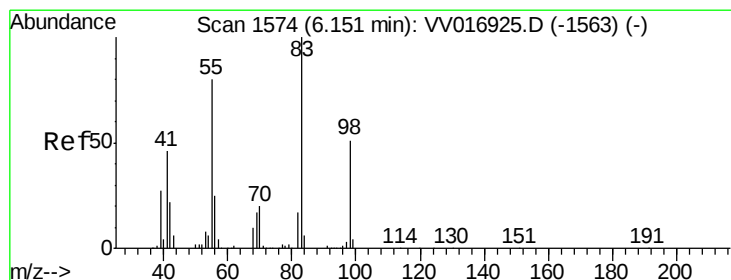
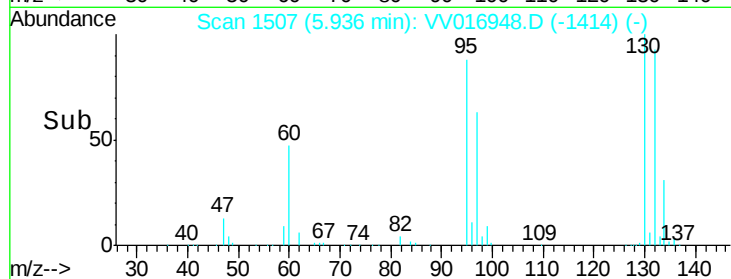
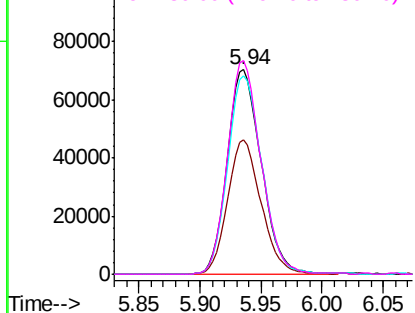
#34
 Trichloroethene
 Concen: 52.768 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016948.D
 Acq: 16 Jun 2020 09:37

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	137133
Ion	Ratio	Lower	Upper
95	100		
97	66.1	44.3	82.3
132	97.2	67.9	126.1
130	104.5	72.2	134.2

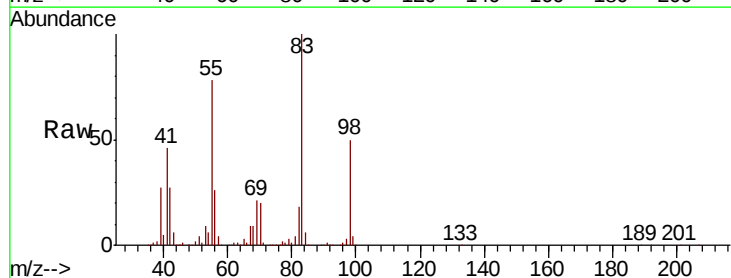


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

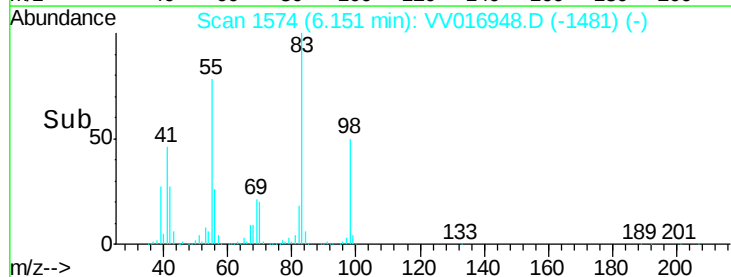
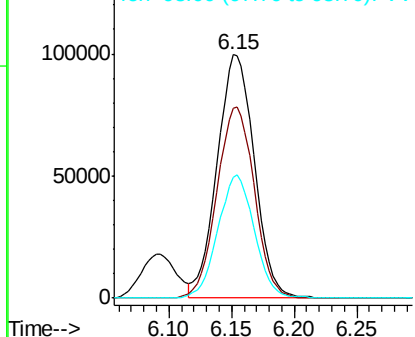


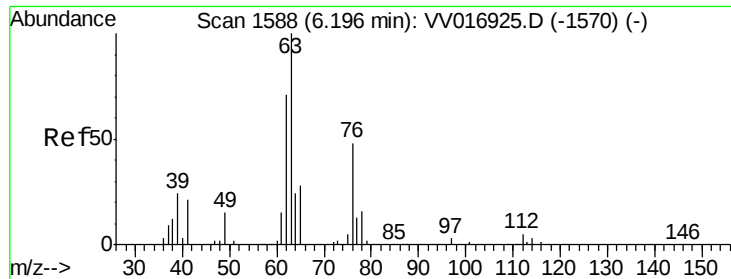
#35
 Methylcyclohexane
 Concen: 50.295 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV016948.D
 Acq: 16 Jun 2020 09:37

Tgt Ion:	83	Resp:	205052
Ion	Ratio	Lower	Upper
83	100		
55	78.6	64.2	96.2
98	49.8	40.3	60.5



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

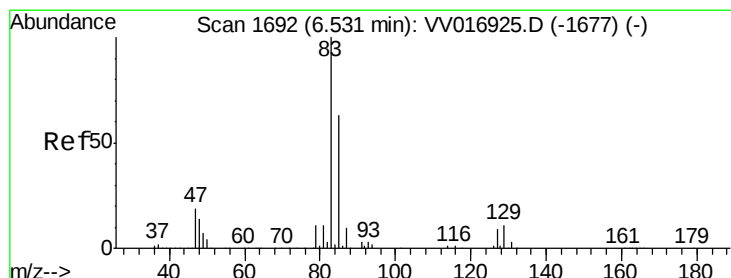
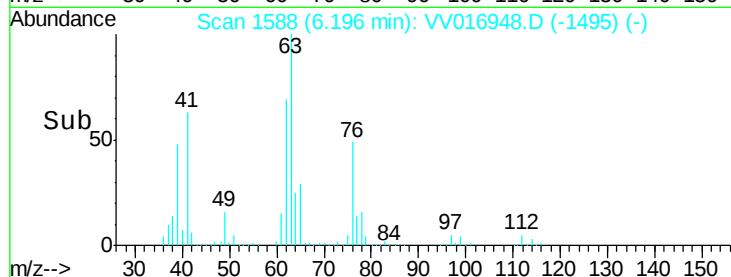
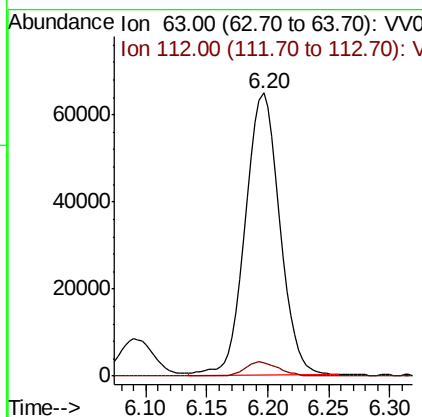
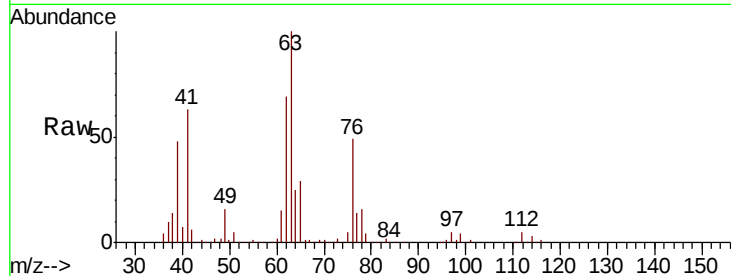




#37
 1,2-Dichloropropane
 Concen: 49.845 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV016948.D
 Acq: 16 Jun 2020 09:37

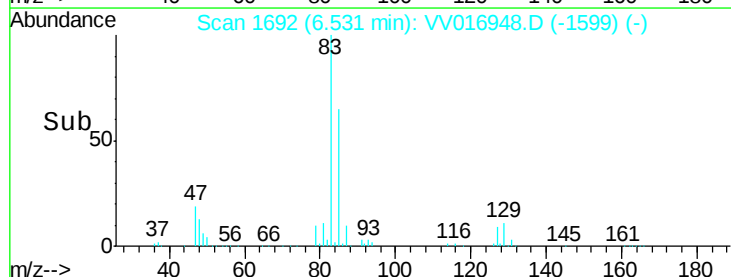
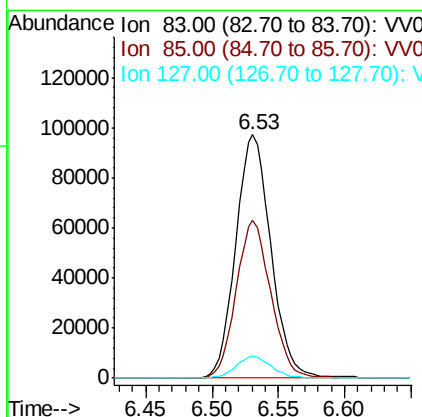
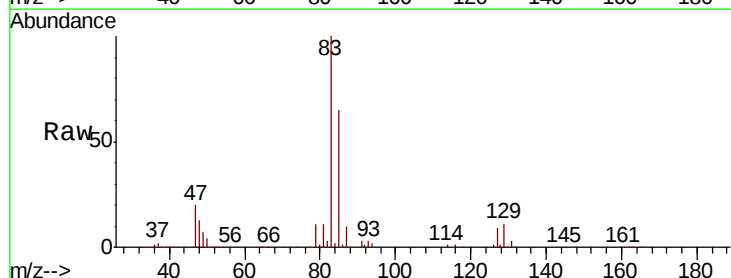
Instrument :
 MSVOA_V
 ClientSampleId :

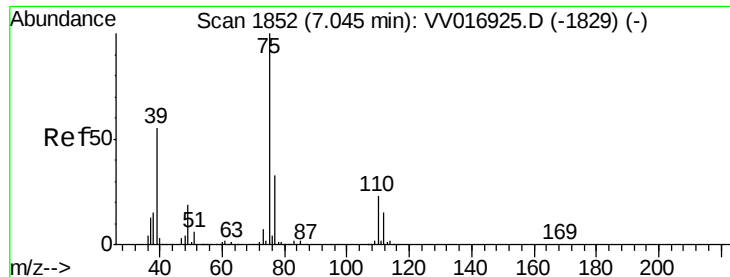
Tot Ion: 63 Resp: 125607
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.6



#38
 Bromodichloromethane
 Concen: 53.458 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV016948.D
 Acq: 16 Jun 2020 09:37

Tgt Ion: 83 Resp: 179326
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.4 82.5
 127 8.9 7.4 11.0



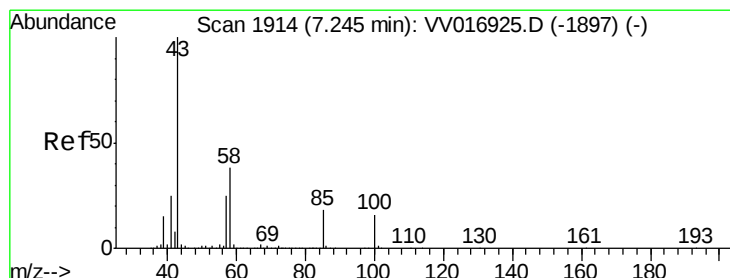
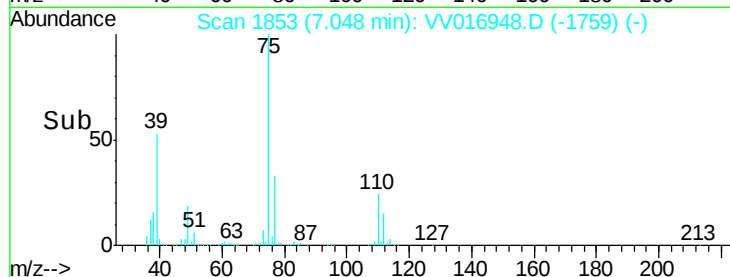
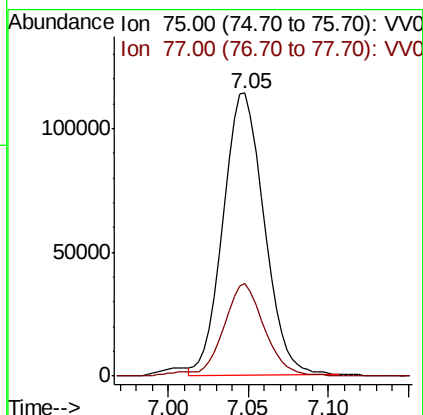
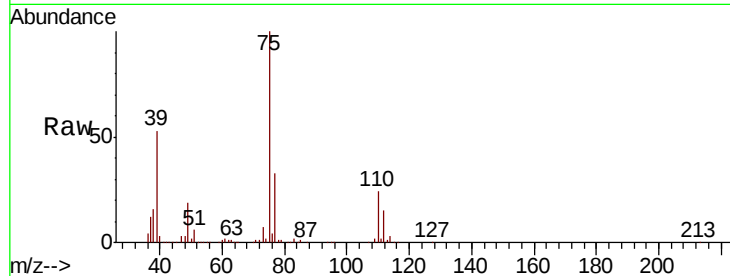


#39

cis-1,3-Dichloropropene
 Concen: 51.121 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016948.D
 Acq: 16 Jun 2020 09:37

Instrument :
 MSVOA_V
 ClientSampled :

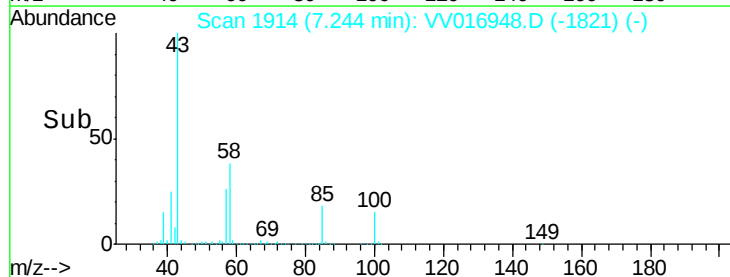
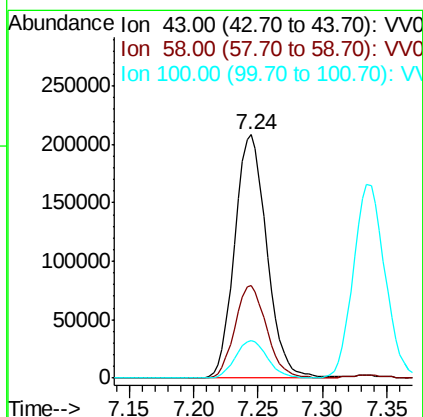
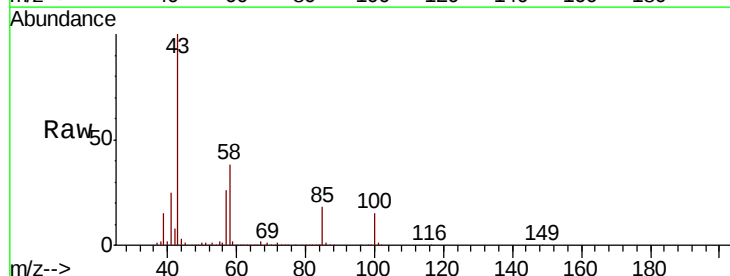
Tot Ion: 75 Resp: 200107
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.7 42.1

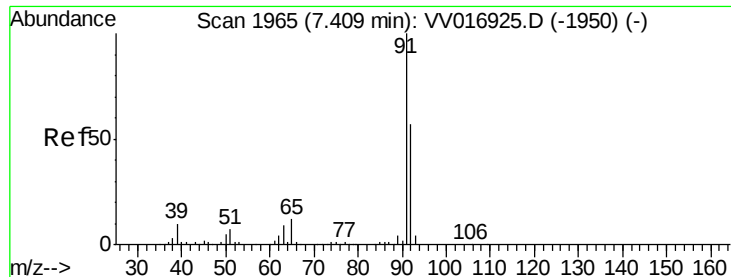


#40

4-Methyl-2-pentanone
 Concen: 100.919 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV016948.D
 Acq: 16 Jun 2020 09:37

Tgt Ion: 43 Resp: 360364
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.2 45.4
 100 15.4 12.3 18.5





#42

Toluene

Concen: 51.503 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

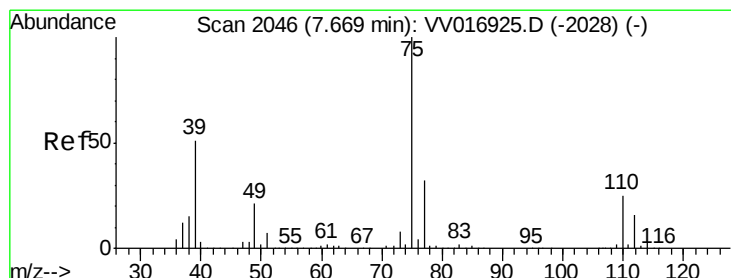
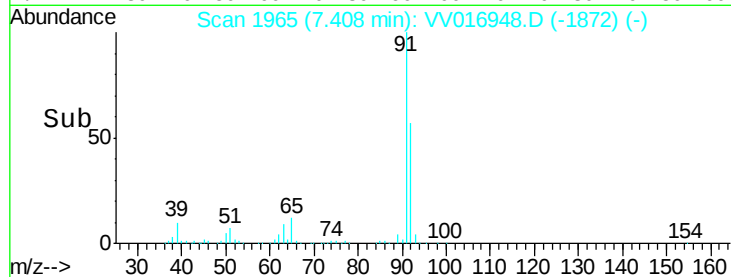
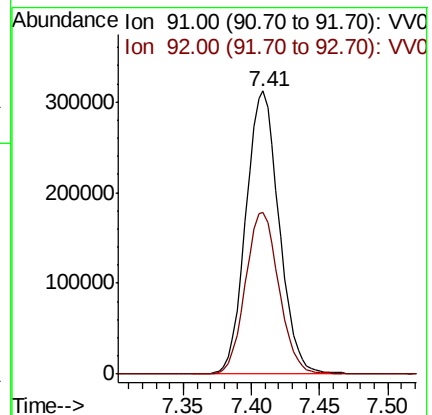
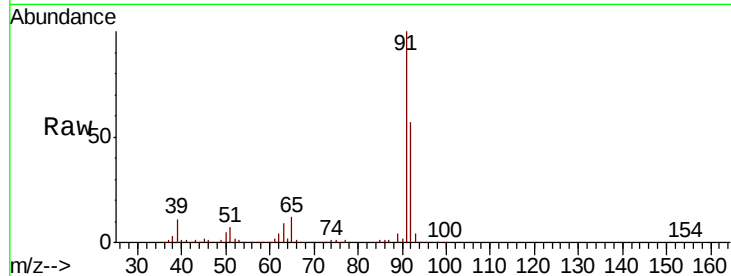
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 526102

Ion Ratio Lower Upper

91 100

92 57.1 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 53.496 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV016948.D

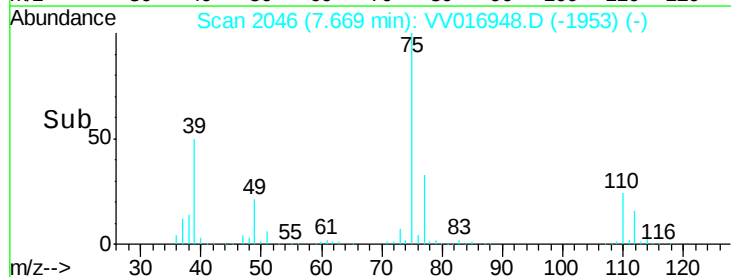
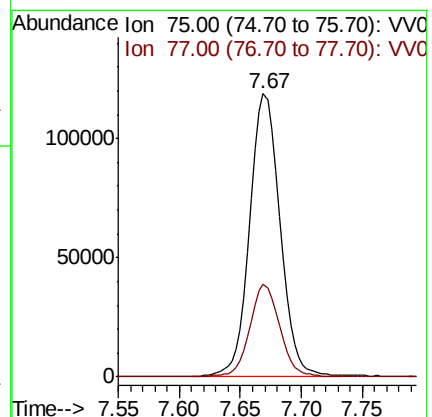
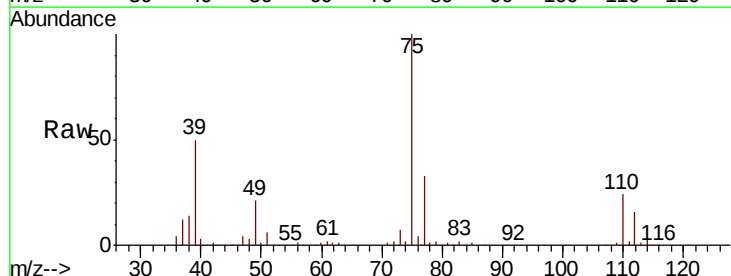
Acq: 16 Jun 2020 09:37

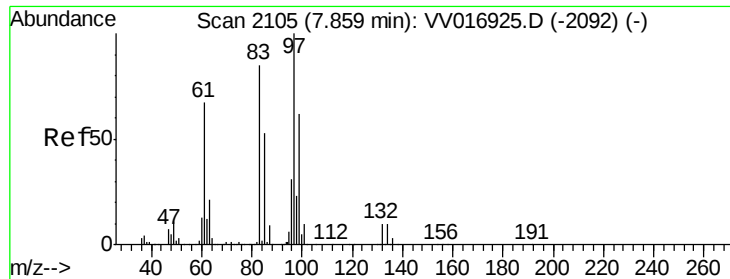
Tgt Ion: 75 Resp: 203578

Ion Ratio Lower Upper

75 100

77 32.6 21.7 40.3

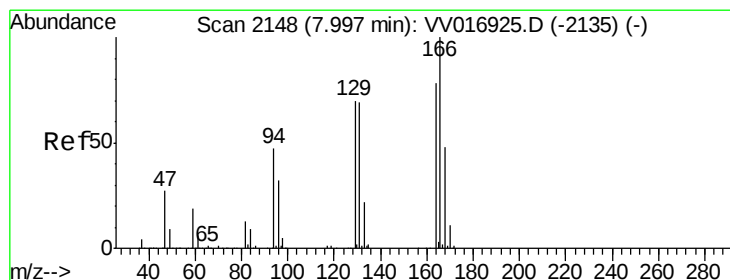
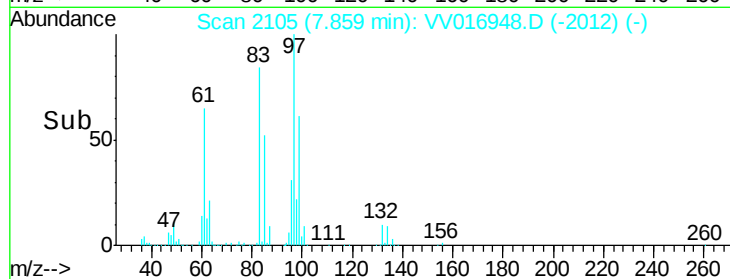
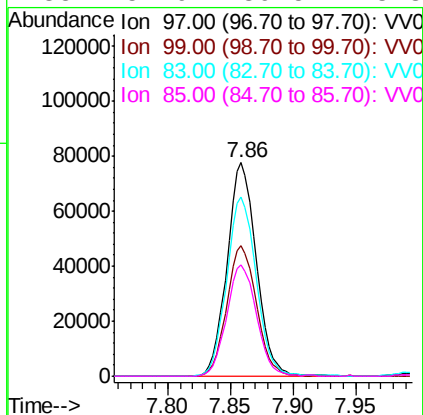
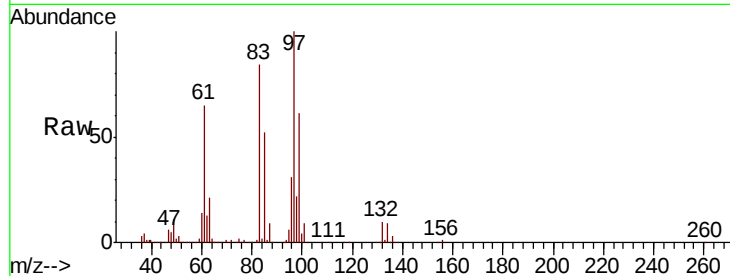




#45
 1,1,2-Trichloroethane
 Concen: 51.638 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV016948.D
 Acq: 16 Jun 2020 09:37

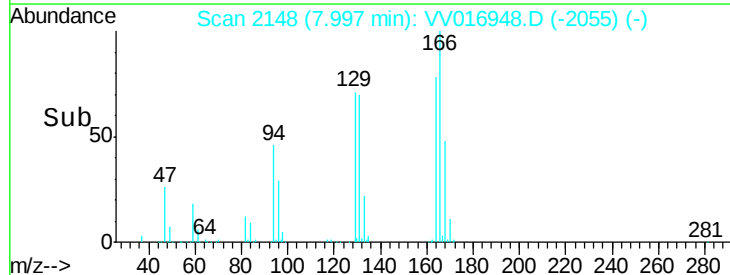
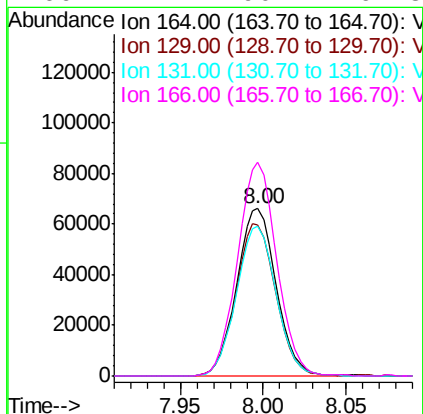
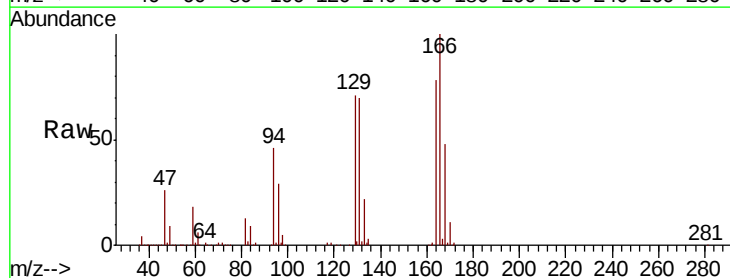
Instrument :
 MSVOA_V
 ClientSampled :

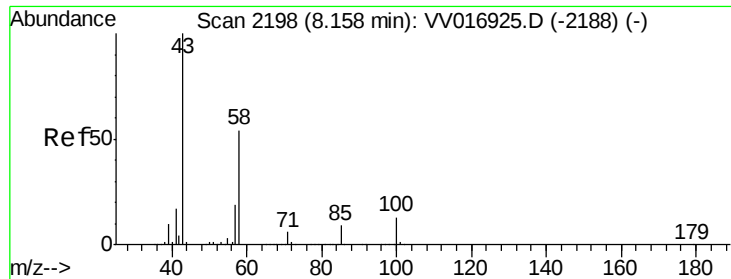
Tot Ion:	97	Resp:	125543
Ion	Ratio	Lower	Upper
97	100		
99	61.1	44.3	82.3
83	83.7	60.0	111.4
85	51.9	39.5	73.3



#46
 Tetrachloroethene
 Concen: 53.662 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV016948.D
 Acq: 16 Jun 2020 09:37

Tgt Ion:	164	Resp:	109681
Ion	Ratio	Lower	Upper
164	100		
129	90.4	67.0	124.4
131	89.0	64.8	120.3
166	127.4	90.4	167.8

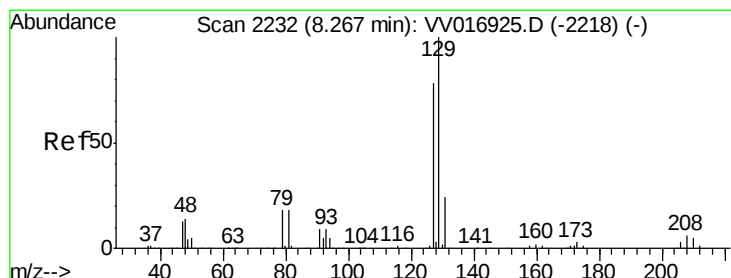
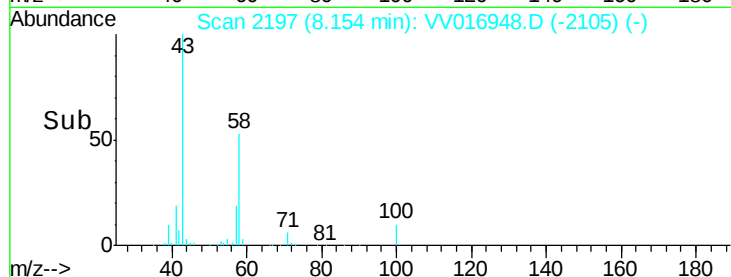
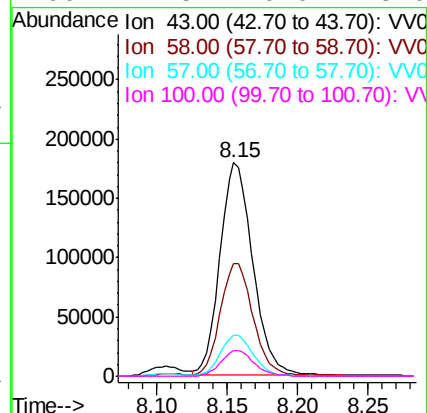
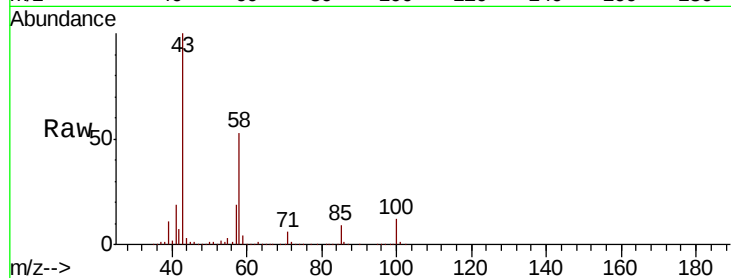




#48
2-Hexanone
Concen: 104.506 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV016948.D
Acq: 16 Jun 2020 09:37

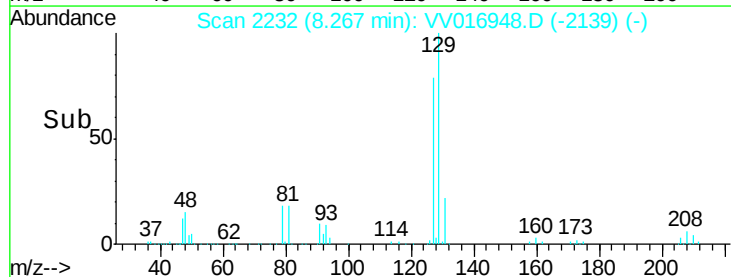
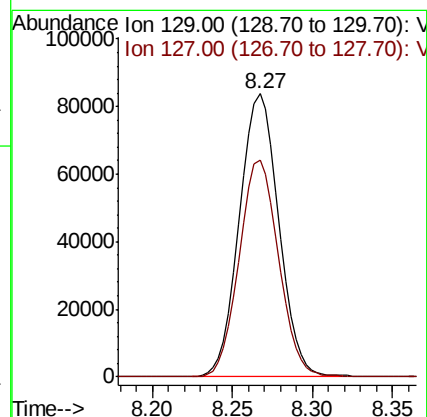
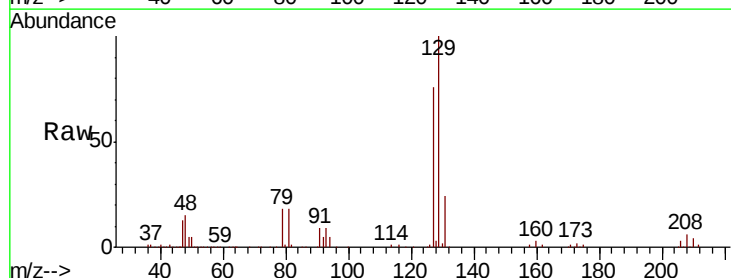
Instrument :
MSVOA_V
ClientSampleId :

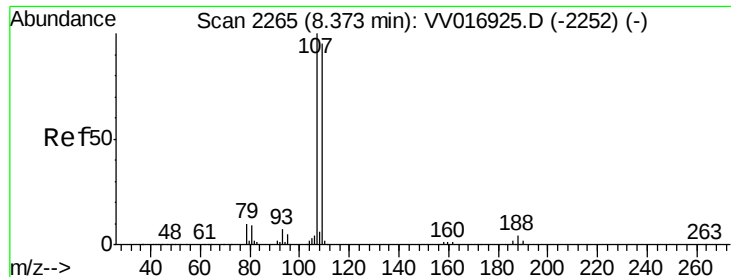
Tot Ion: 43 Resp: 289346
Ion Ratio Lower Upper
43 100
58 52.5 43.1 64.7
57 18.8 15.3 22.9
100 12.5 10.0 15.0



#49
Dibromochloromethane
Concen: 54.141 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016948.D
Acq: 16 Jun 2020 09:37

Tgt Ion: 129 Resp: 140738
Ion Ratio Lower Upper
129 100
127 76.5 54.2 100.6

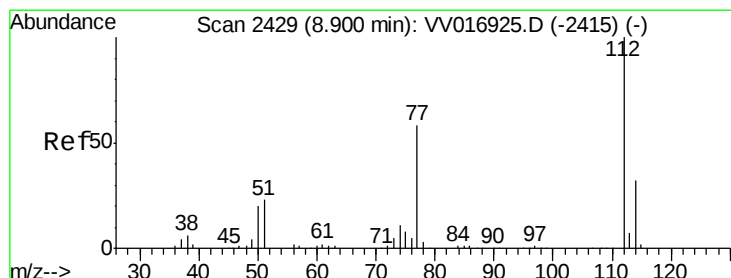
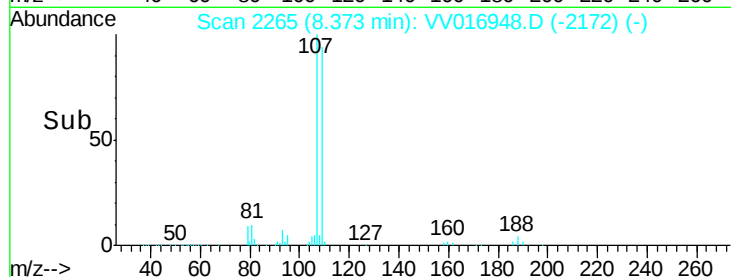
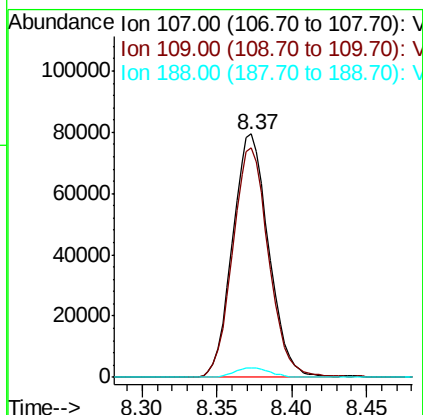
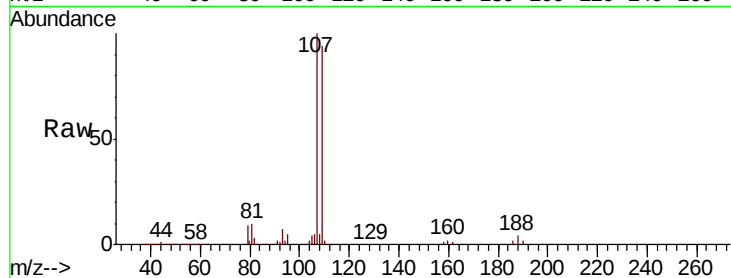




#50
 1,2-Dibromoethane
 Concen: 52.519 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV016948.D
 Acq: 16 Jun 2020 09:37

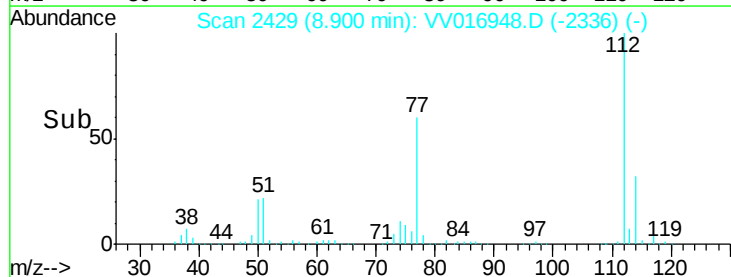
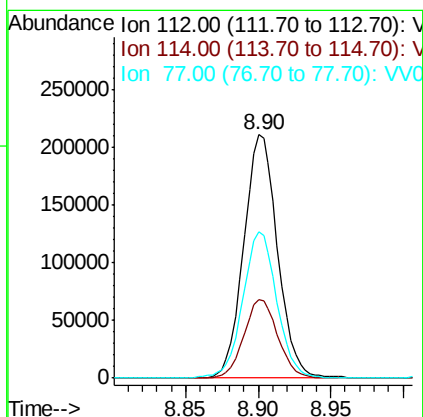
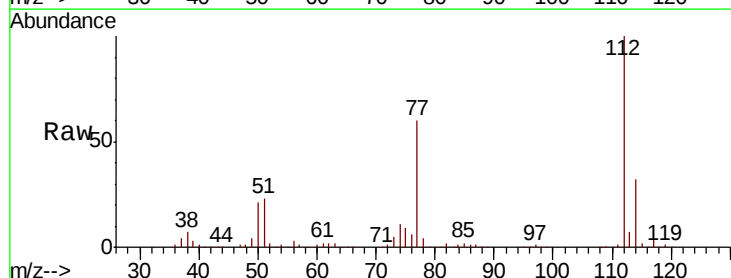
Instrument :
 MSVOA_V
 ClientSampleId :

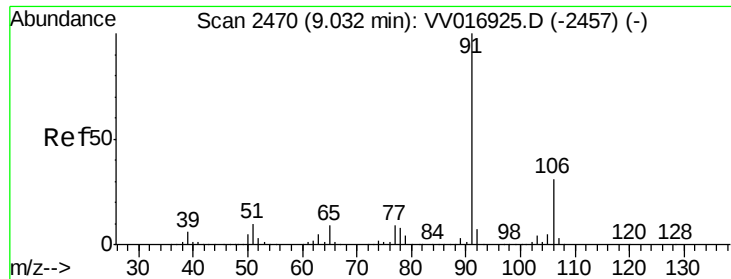
Tot Ion:107 Resp: 133711
 Ion Ratio Lower Upper
 107 100
 109 94.5 66.4 123.2
 188 3.9 3.1 4.7



#51
 Chlorobenzene
 Concen: 51.336 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV016948.D
 Acq: 16 Jun 2020 09:37

Tgt Ion:112 Resp: 342132
 Ion Ratio Lower Upper
 112 100
 114 32.1 22.3 41.3
 77 60.3 47.9 71.9





#52

Ethylbenzene

Concen: 52.445 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

Instrument :

MSVOA_V

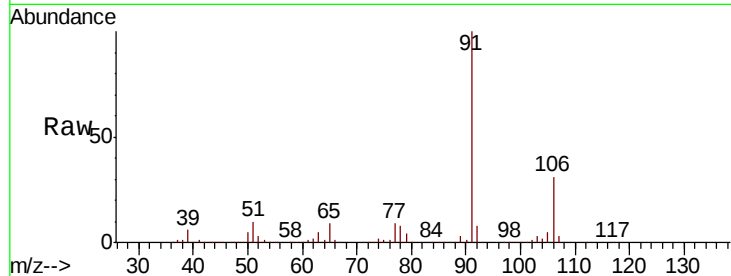
ClientSampled :

Tot Ion: 91 Resp: 593391

Ion Ratio Lower Upper

91 100

106 31.4 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV016948.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV016948.D (-2377) (-)

9.03

400000

300000

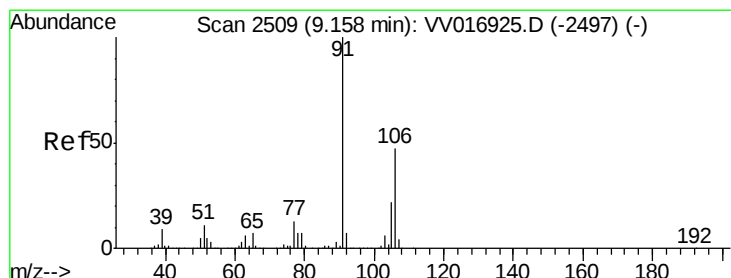
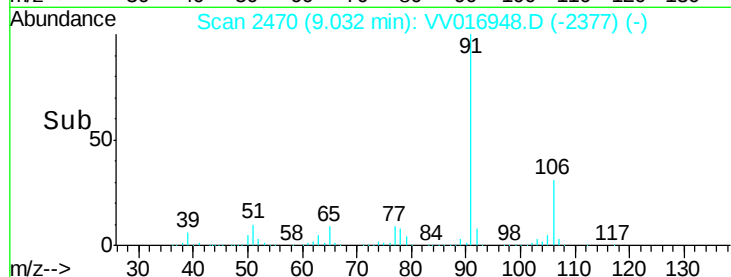
200000

100000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 53.028 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016948.D

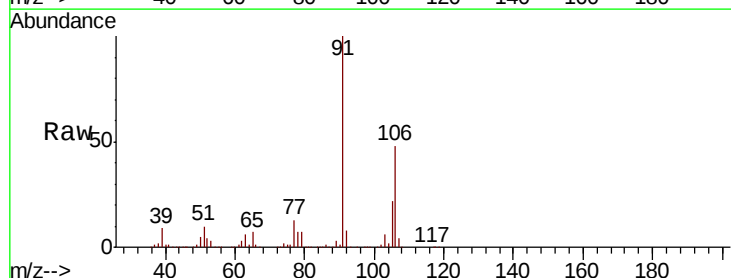
Acq: 16 Jun 2020 09:37

Tgt Ion: 106 Resp: 223392

Ion Ratio Lower Upper

106 100

91 209.3 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): VV016948.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV016948.D (-2416) (-)

9.16

300000

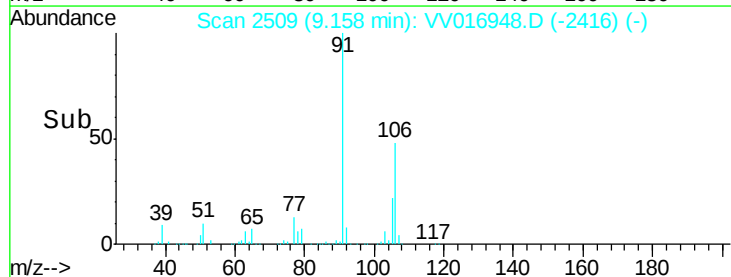
200000

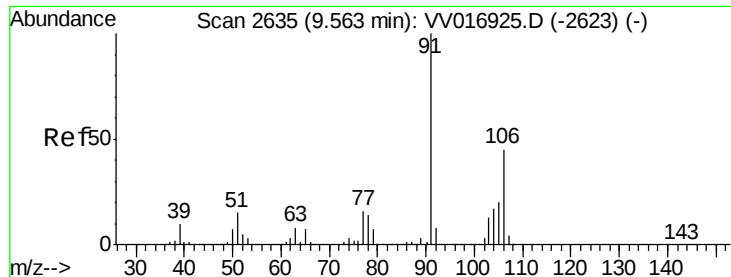
100000

0

9.10 9.15 9.20

Time-->





#54

o-xylene

Concen: 51.976 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

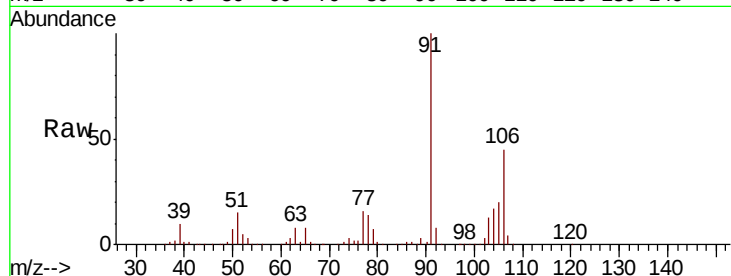
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 215951

Ion Ratio Lower Upper

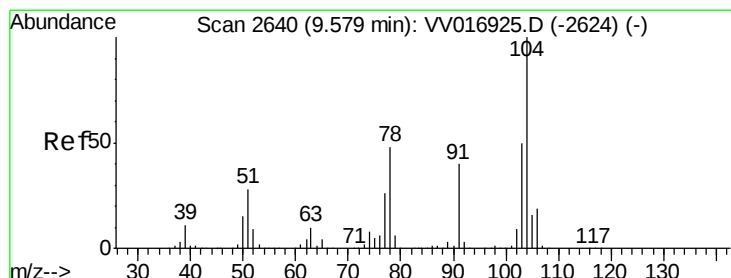
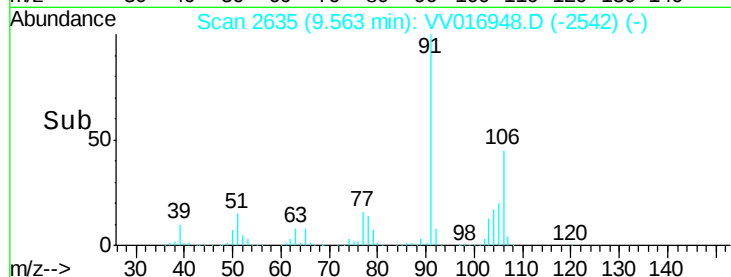
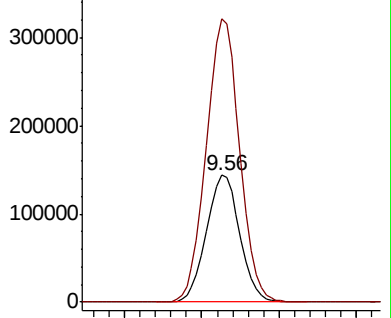
106 100

91 223.4 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 54.357 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV016948.D

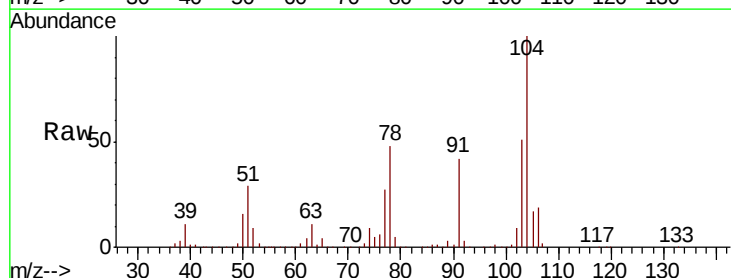
Acq: 16 Jun 2020 09:37

Tgt Ion:104 Resp: 381833

Ion Ratio Lower Upper

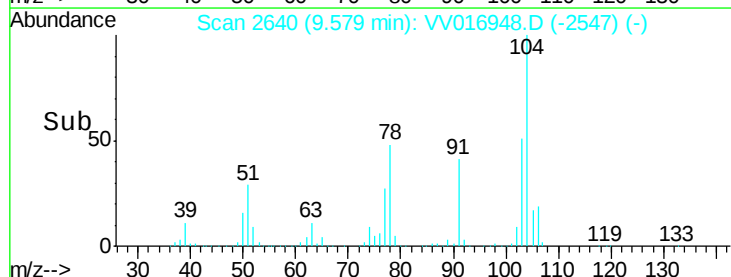
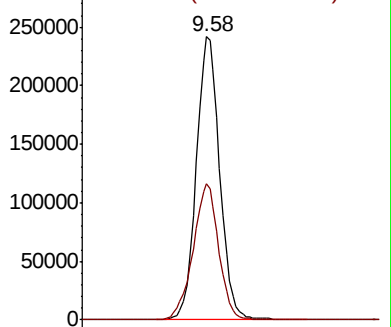
104 100

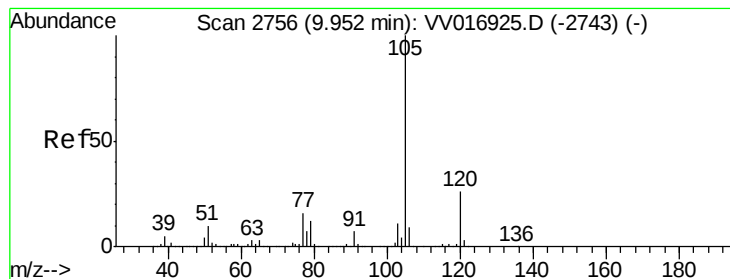
78 48.2 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 54.111 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

Instrument :
MSVOA_V
ClientSampleId :

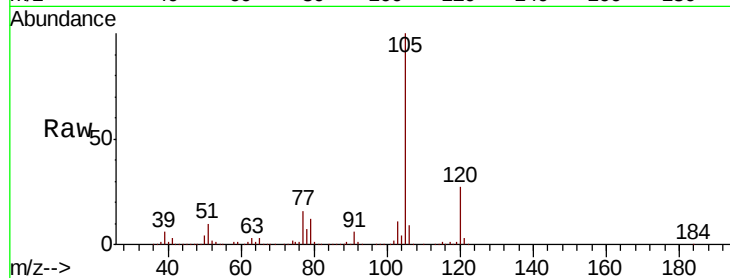
Tot Ion: 105 Resp: 604097

Ion Ratio Lower Upper

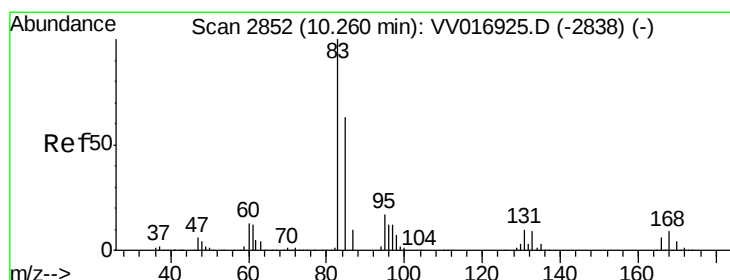
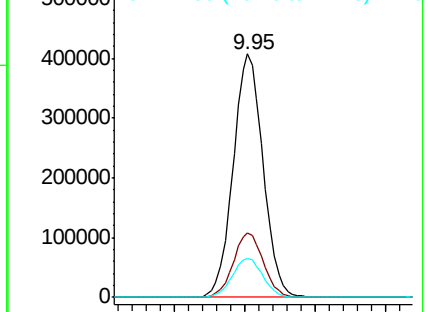
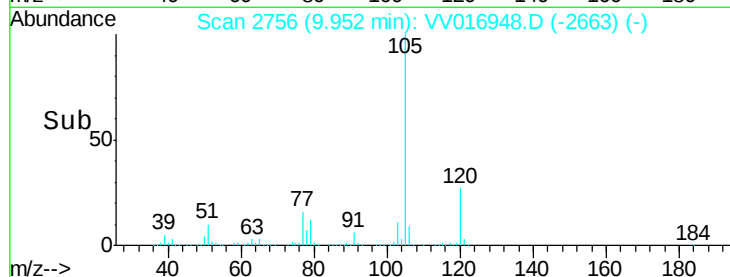
105 100

120 26.7 21.2 31.8

77 16.1 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): VV016948.D (-2663) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 48.051 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

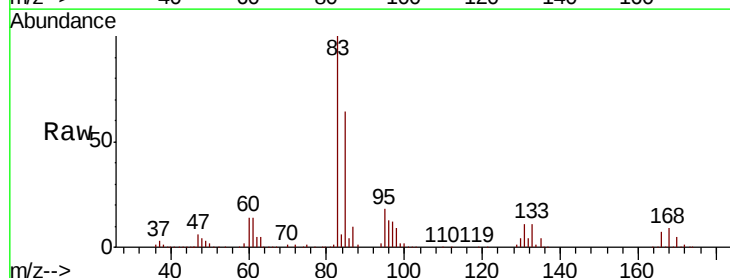
Tgt Ion: 83 Resp: 179111

Ion Ratio Lower Upper

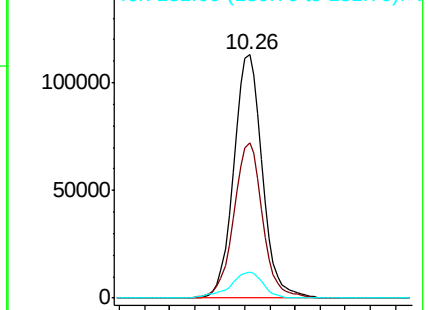
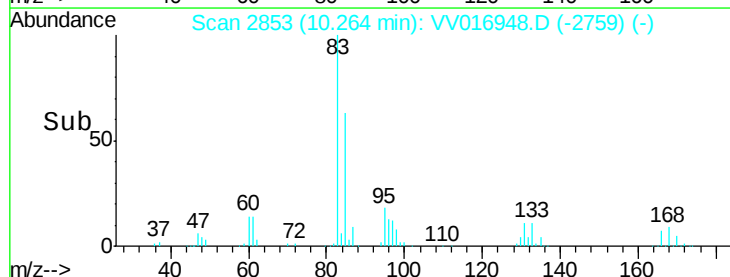
83 100

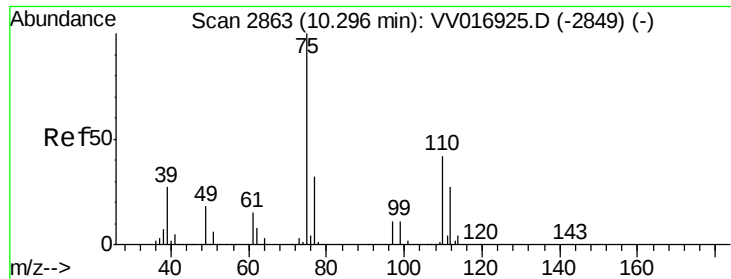
85 63.6 46.8 86.8

131 10.7 7.9 11.9



Abundance Ion 83.00 (82.70 to 83.70): VV016948.D (-2759) (-)





#59

1,2,3-Trichloropropane

Concen: 50.123 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

Instrument :

MSVOA_V

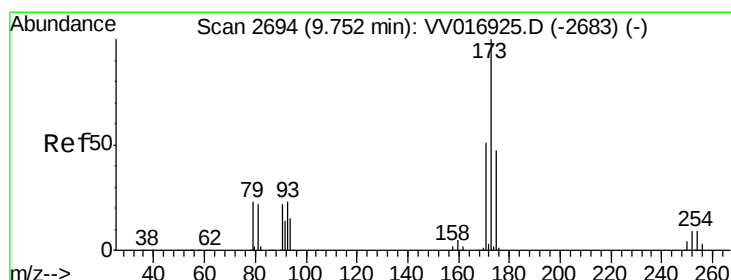
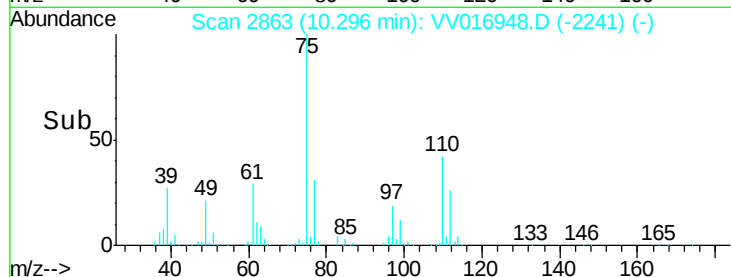
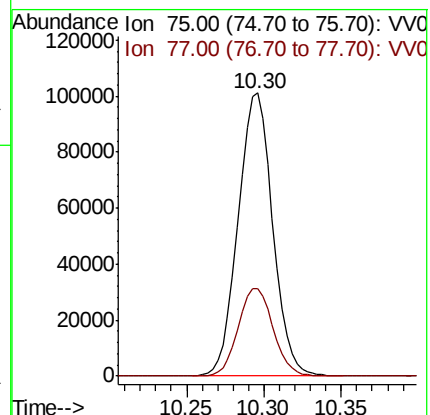
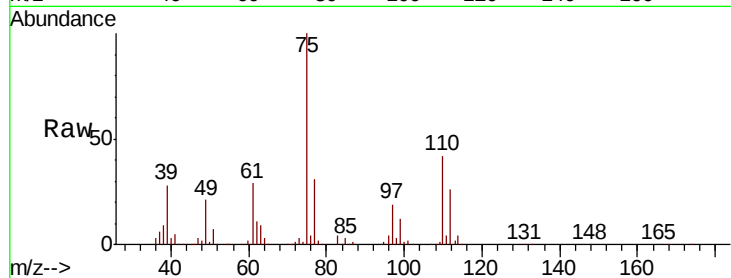
ClientSampled :

Tot Ion: 75 Resp: 156712

Ion Ratio Lower Upper

75 100

77 31.5 26.1 39.1



#61

Bromoform

Concen: 53.025 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

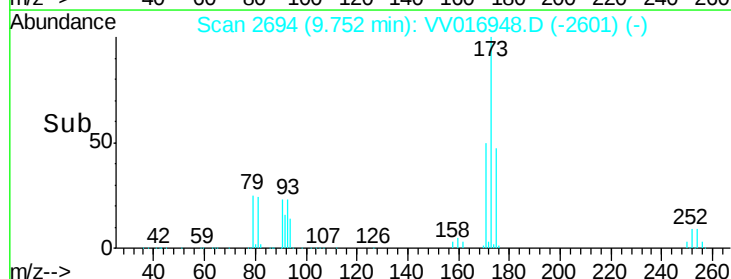
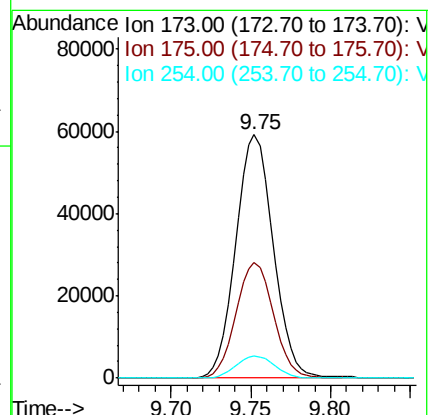
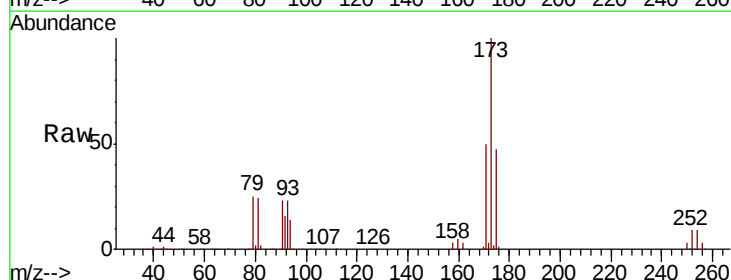
Tgt Ion: 173 Resp: 94495

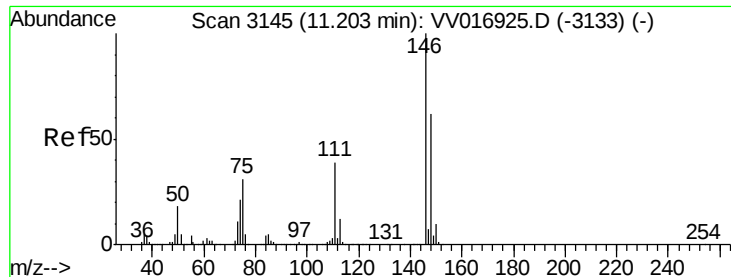
Ion Ratio Lower Upper

173 100

175 47.3 39.0 58.4

254 9.4 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 53.037 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

Instrument :

MSVOA_V

ClientSampled :

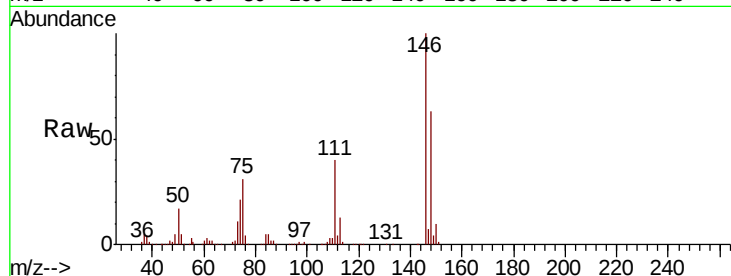
Tot Ion:146 Resp: 291042

Ion Ratio Lower Upper

146 100

111 40.3 28.3 52.7

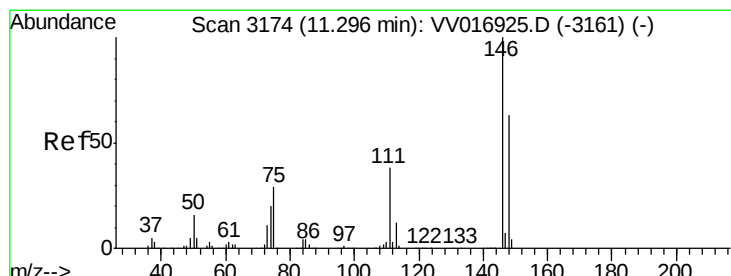
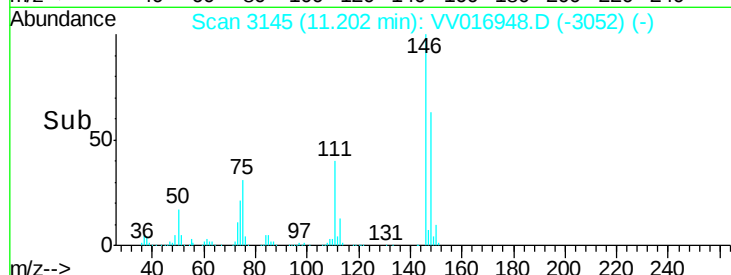
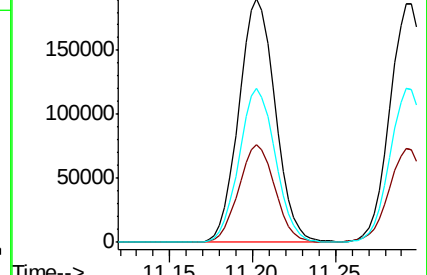
148 63.1 44.2 82.2



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



#63

1,4-Dichlorobenzene

Concen: 51.768 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

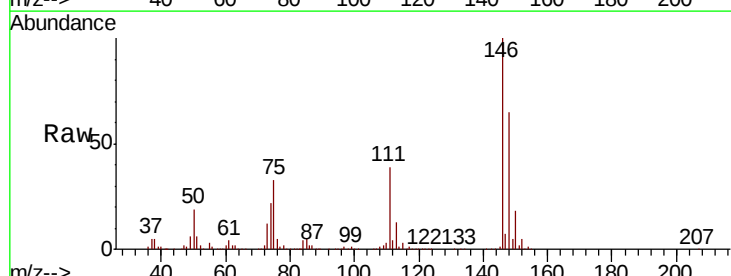
Tgt Ion:146 Resp: 289042

Ion Ratio Lower Upper

146 100

111 39.4 26.7 49.7

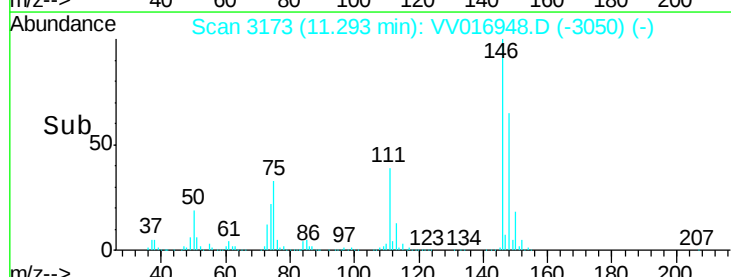
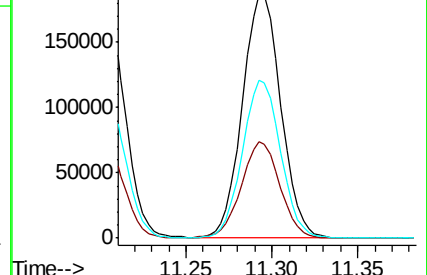
148 64.6 43.5 80.9

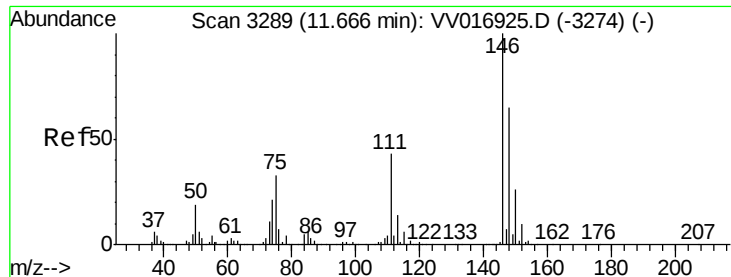


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 52.332 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

Instrument :

MSVOA_V

ClientSampleId :

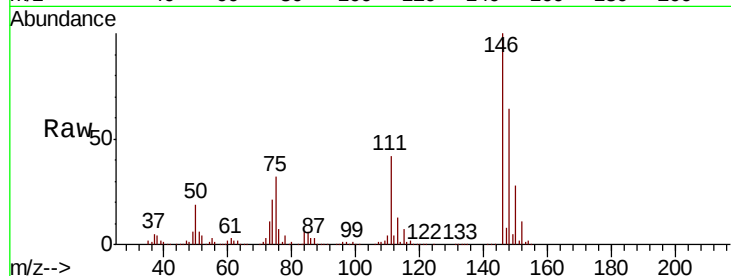
Tot Ion:146 Resp: 287788

Ion Ratio Lower Upper

146 100

111 41.5 33.7 50.5

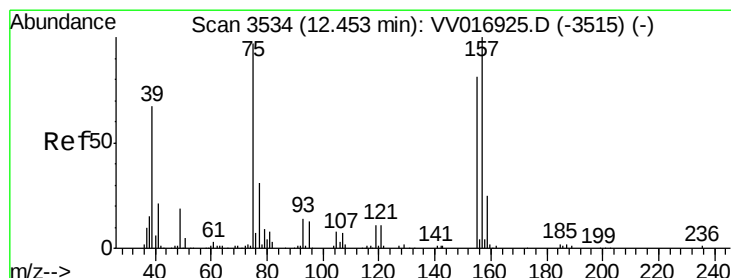
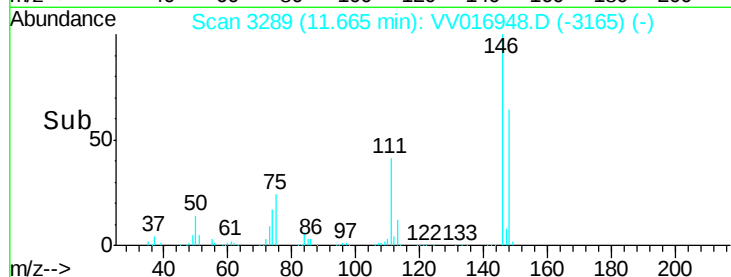
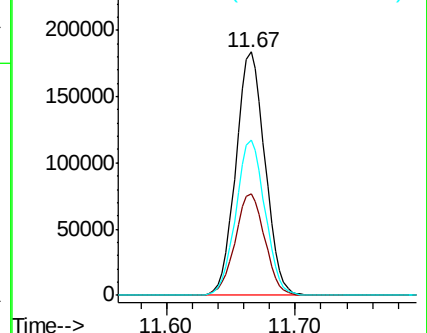
148 63.6 50.7 76.1



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: 45.866 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

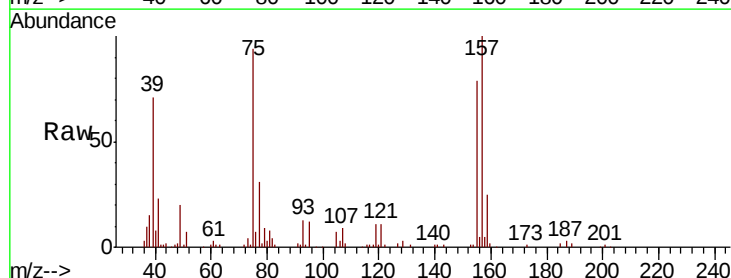
Tgt Ion: 75 Resp: 39661

Ion Ratio Lower Upper

75 100

155 84.4 69.8 104.6

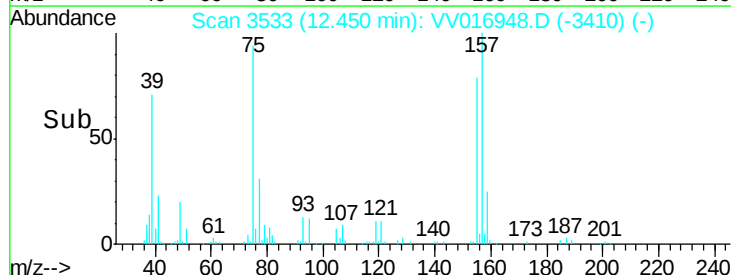
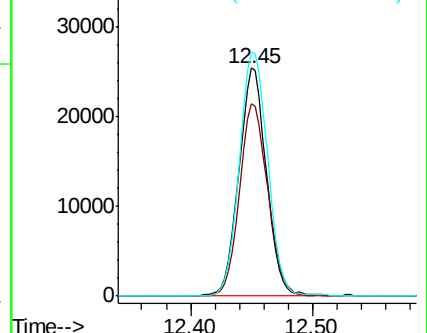
157 106.7 83.4 125.2

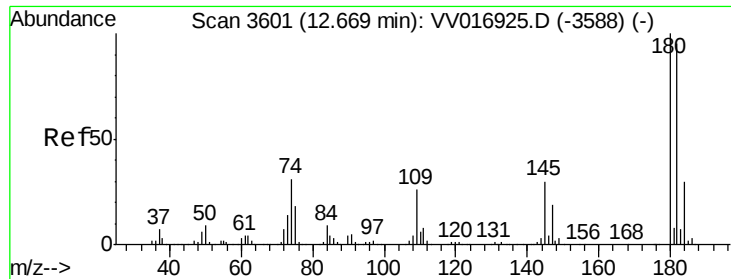


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

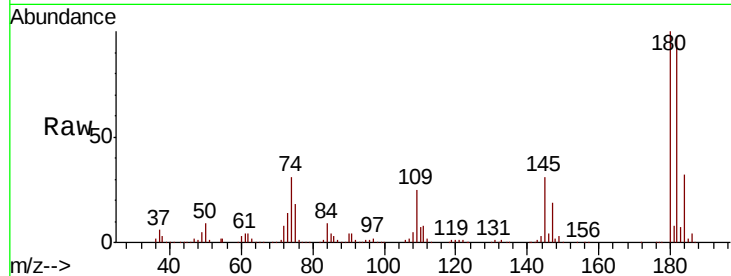




#67
 1,3,5-Trichlorobenzene
 Concen: 54.217 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016948.D
 Acq: 16 Jun 2020 09:37

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.0	112.6
184	31.0	24.5	36.7
145	30.4	24.4	36.6



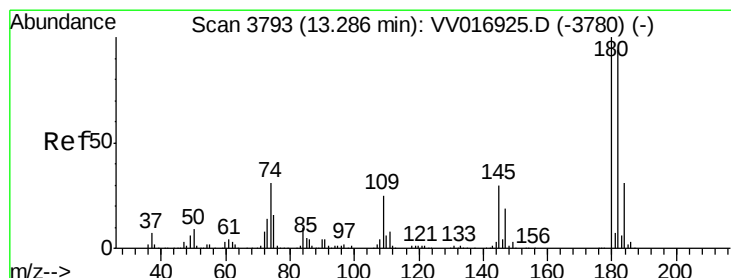
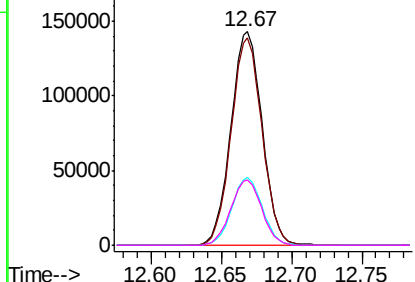
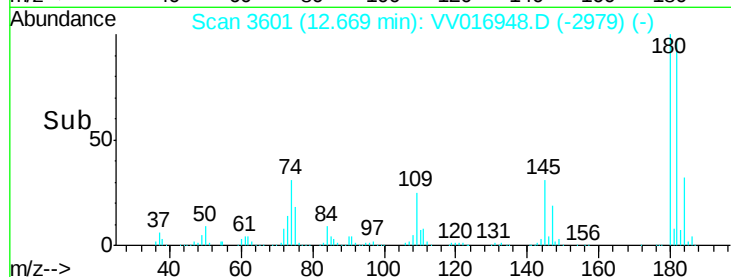
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

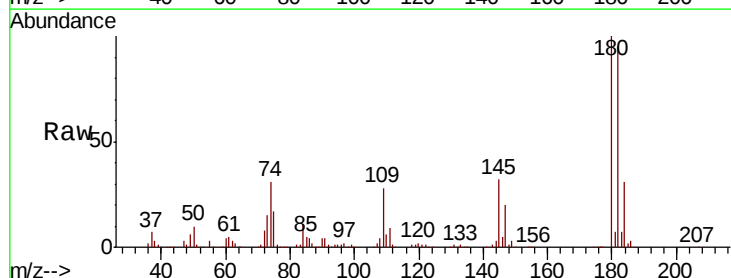
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.288 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV016948.D
 Acq: 16 Jun 2020 09:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.9	115.3
145	31.7	25.2	37.8

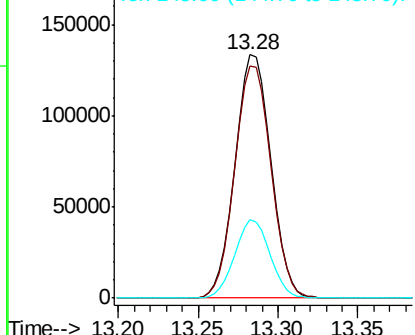
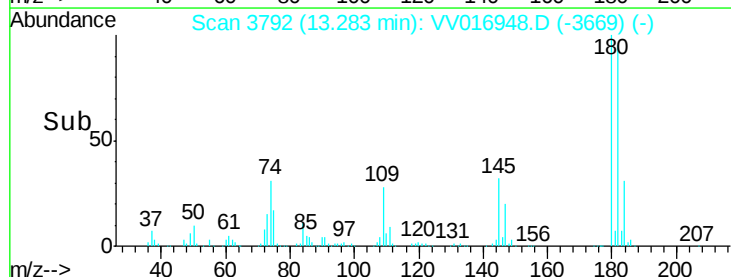


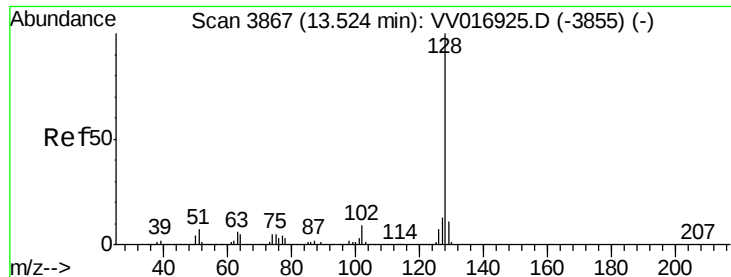
Abundance

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





#69

Naphthalene

Concen: 53.338 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

Instrument :

MSVOA_V

ClientSampleId :

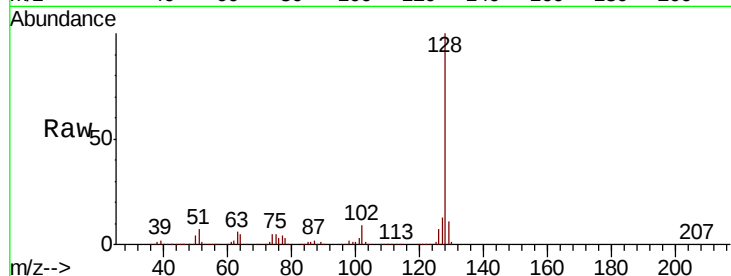
Tot Ion:128 Resp: 575866

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

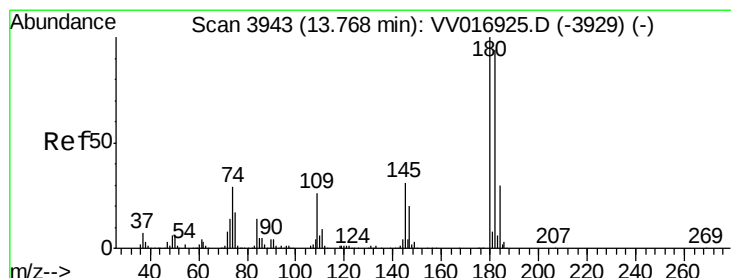
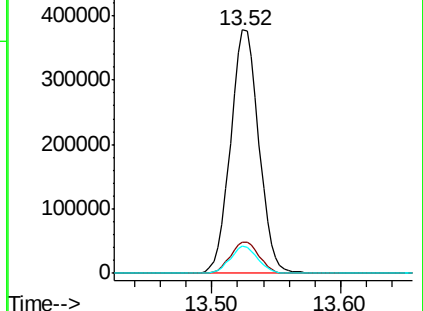
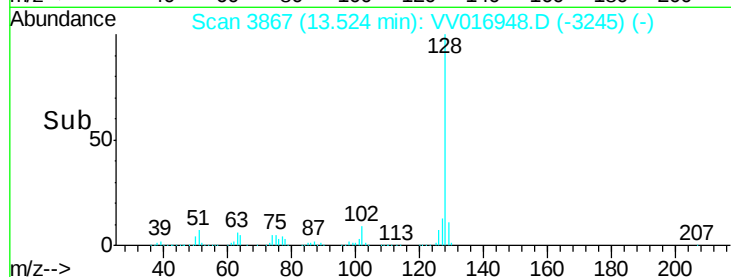
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 55.275 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV016948.D

Acq: 16 Jun 2020 09:37

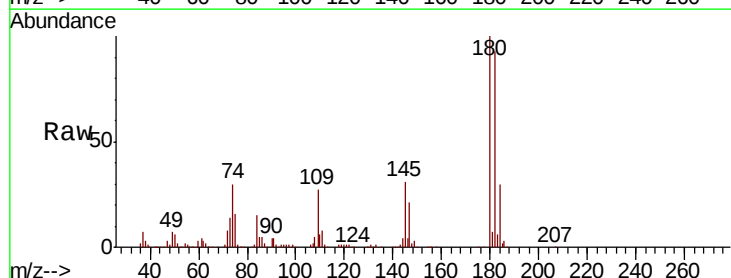
Tgt Ion:180 Resp: 202998

Ion Ratio Lower Upper

180 100

182 94.4 76.5 114.7

145 32.3 26.1 39.1



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

