

Data File : VV010693.D
Acq On : 07 May 2019 14:03
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV66

Quant Time: May 08 02:57:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Wed May 08 02:50:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	97733	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	100666	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	50500	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36089	23.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.08%
7) Chloroethane-d5	1.57	69	29175	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.40%
10) 1,1-Dichloroethene-d2	2.13	63	75132	22.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.24%
20) 2-Butanone-d5	3.94	46	22539	49.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.94%
24) Chloroform-d	4.40	84	64838	24.33	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.32%
26) 1,2-Dichloroethane-d4	5.08	65	41628	25.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.08%
29) Benzene-d6	5.10	84	126756	23.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.68%
33) 1,2-Dichloropropane-d6	6.12	67	40171	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.16%
37) Toluene-d8	7.36	98	123499	24.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.36%
38) trans-1,3-Dichloropropene-	7.66	79	19092	24.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.24%
39) 2-Hexanone-d5	8.13	63	17381	49.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.40%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	38389	24.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	47844	24.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.84%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	30856	22.796	ug/L	97
3) Chloromethane	1.25	50	40482	24.585	ug/L	96
5) Vinyl chloride	1.32	62	45333	23.711	ug/L	100
6) Bromomethane	1.52	94	26805	28.909	ug/L	99
8) Chloroethane	1.59	64	27929	23.456	ug/L	98
9) Trichlorofluoromethane	1.76	101	66670	23.164	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	38442	23.395	ug/L	98
12) 1,1-Dichloroethene	2.14	96	35999	23.397	ug/L	96
13) Acetone	2.19	43	35033	49.668	ug/L	99
14) Carbon disulfide	2.31	76	88212	23.330	ug/L	99
15) Methyl Acetate	2.46	43	18971	22.515	ug/L	97
16) Methylene chloride	2.53	84	36861	24.393	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	100868	26.181	ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	33832	24.326	ug/L	99
19) 1,1-Dichloroethane	3.23	63	65817	24.513	ug/L	99
21) 2-Butanone	4.02	43	33817	50.587	ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	39529	24.880	ug/L	97

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Wed May 08 02:50:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	19370	27.122	ug/L	97
25) Chloroform	4.42	83	72385	24.472	ug/L	98
27) 1,2-Dichloroethane	5.18	62	55201	25.532	ug/L	99
30) Cyclohexane	4.72	56	57679	22.846	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	59189	23.582	ug/L	97
32) Carbon tetrachloride	4.87	117	50821	23.245	ug/L	96
34) Benzene	5.15	78	149807	25.350	ug/L	100
35) Trichloroethene	5.96	95	40755	24.621	ug/L	99
36) Methylcyclohexane	6.18	83	62202	23.446	ug/L	98
40) 1,2-Dichloropropane	6.22	63	40584	25.816	ug/L	98
41) Bromodichloromethane	6.56	83	56712	26.255	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	66080	26.576	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	63390	47.904	ug/L	97
44) Toluene	7.43	91	173308	25.822	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	55323	26.423	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	32892	25.469	ug/L	97
47) Tetrachloroethene	8.02	164	28016	23.370	ug/L	89
49) 2-Hexanone	8.18	43	51485	51.174	ug/L	97
50) Dibromochloromethane	8.29	129	38403	25.859	ug/L	97
51) 1,2-Dibromoethane	8.40	107	32533	26.082	ug/L	99
52) Chlorobenzene	8.93	112	113879	25.971	ug/L	100
53) Ethylbenzene	9.06	91	197337	25.358	ug/L	100
54) m,p-Xylene	9.18	106	74140	25.500	ug/L	98
55) o-xylene	9.59	106	76863	26.653	ug/L	98
56) Styrene	9.60	104	129830	26.617	ug/L	97
57) Isopropylbenzene	9.97	105	192432	25.009	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	43993	26.001	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	33285	25.206	ug/L	96
62) Bromoform	9.77	173	20773	24.157	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	85394	24.292	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	89173	24.834	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	85190	24.952	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	7276	22.966	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	61562	24.312	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	49965	25.502	ug/L	98
69) Naphthalene	13.55	128	111680	26.630	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	48673	26.484	ug/L	98

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

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MSVOA_V
ClientSampleId :
VICV66

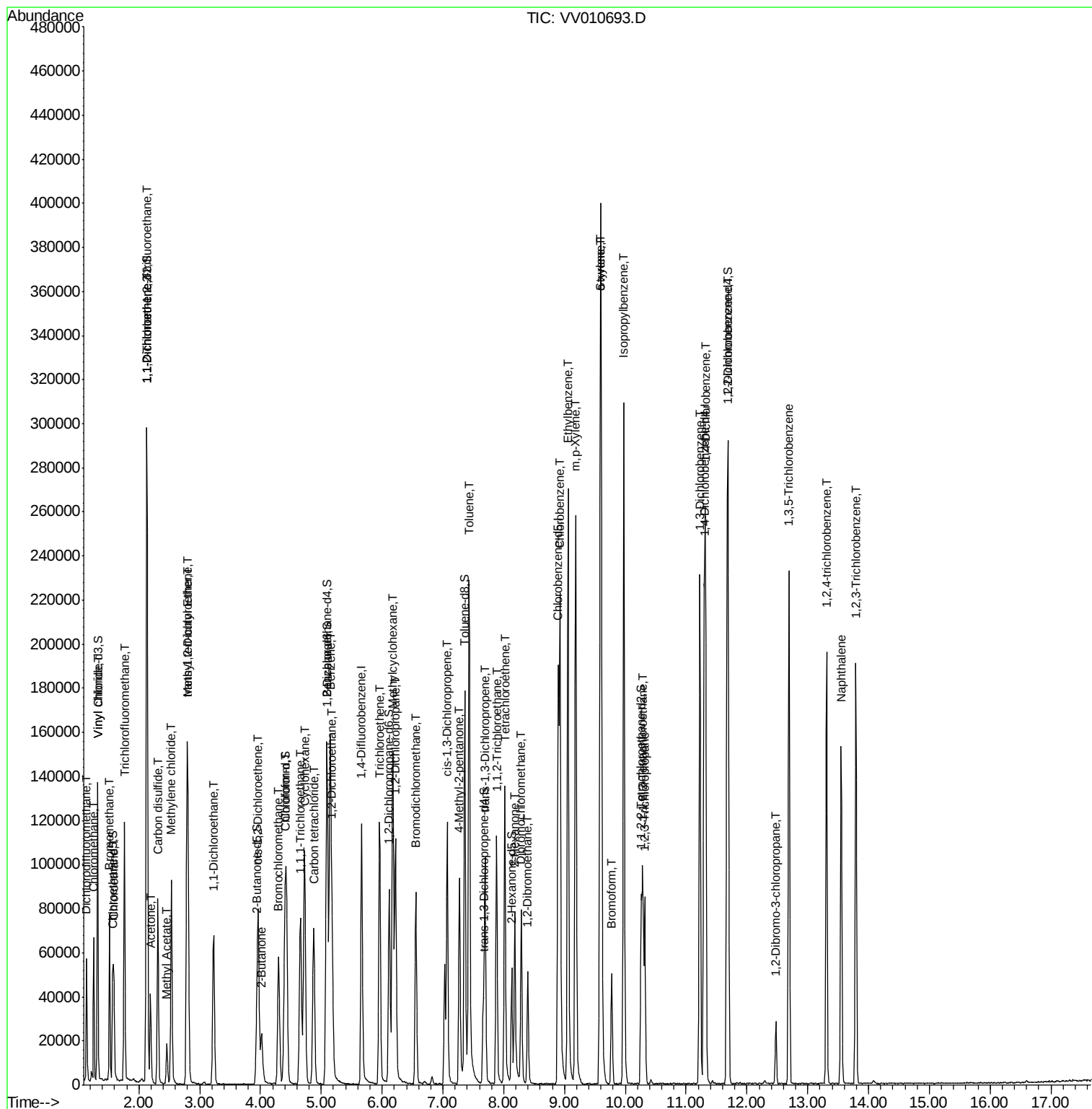
Quant Time: May 08 02:57:13 2019

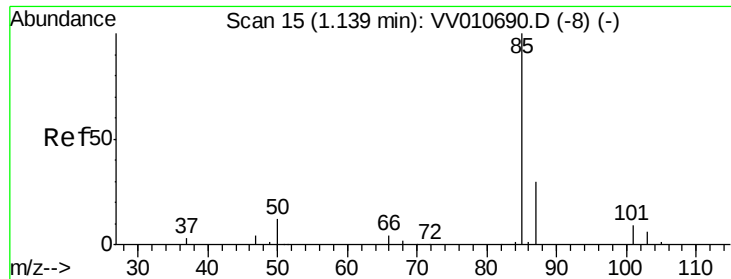
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM050719S.M

Quant Title : VOC Analysis

QLast Update : Wed May 08 02:50:33 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 22.796 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

Instrument :

MSVOA_V

ClientSampleId :

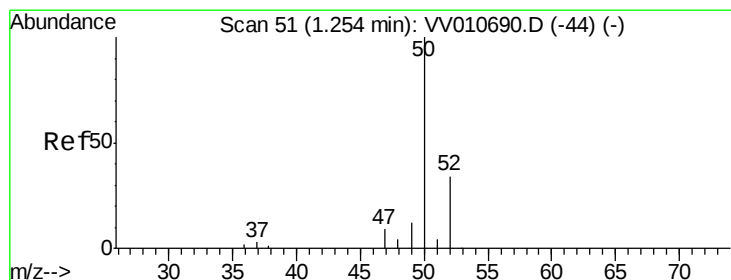
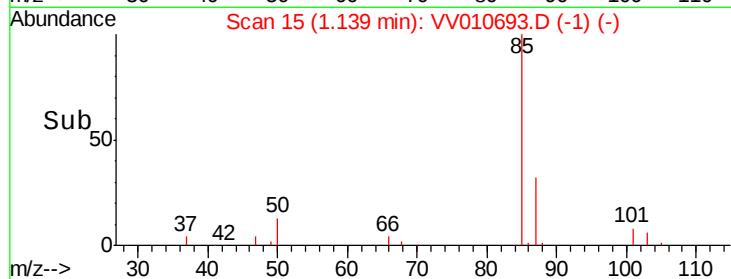
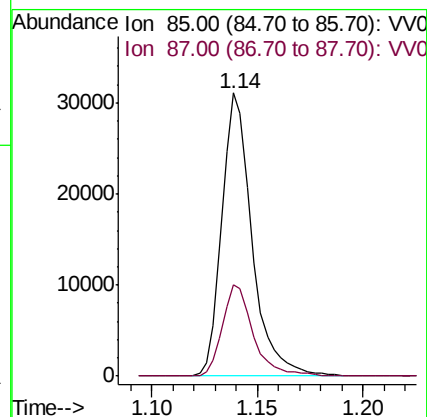
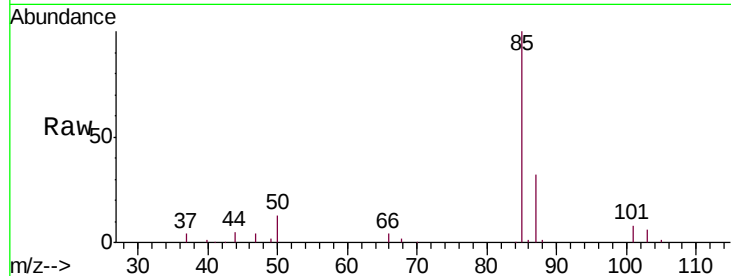
VICV66

Tgt Ion: 85 Resp: 30856

Ion Ratio Lower Upper

85 100

87 32.7 21.9 40.7



#3

Chloromethane

Concen: 24.585 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010693.D

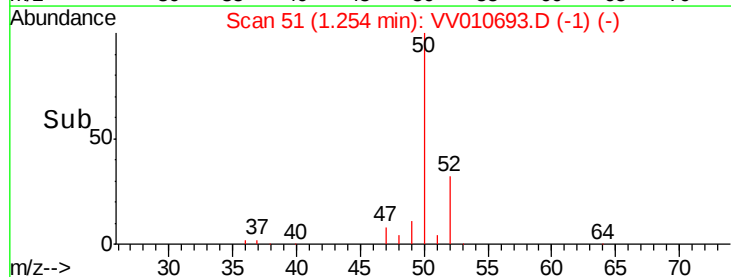
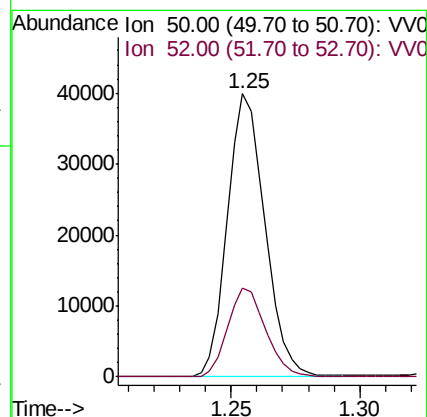
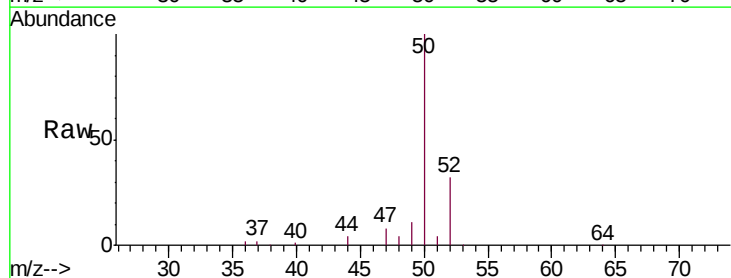
Acq: 07 May 2019 14:03

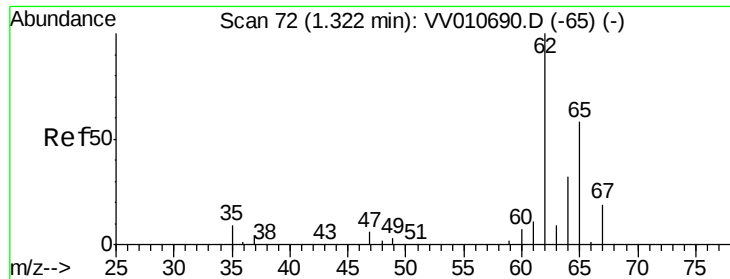
Tgt Ion: 50 Resp: 40482

Ion Ratio Lower Upper

50 100

52 31.5 23.7 43.9





#5

Vinyl chloride

Concen: 23.711 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

Instrument :

MSVOA_V

ClientSampled :

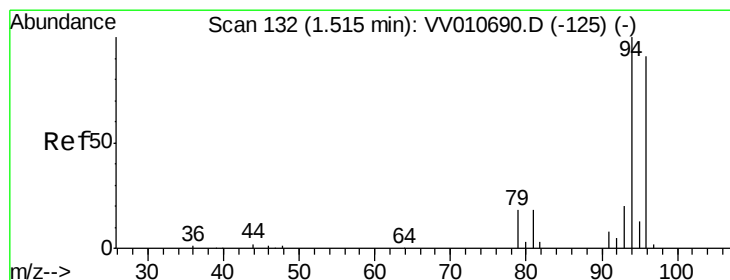
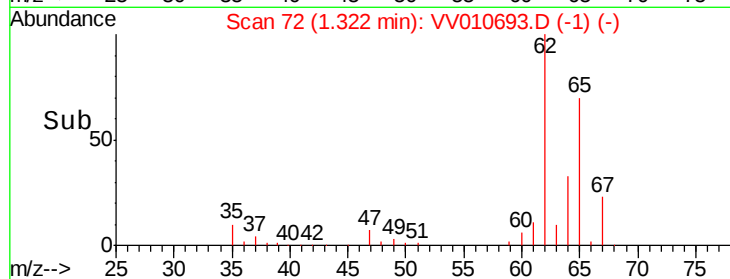
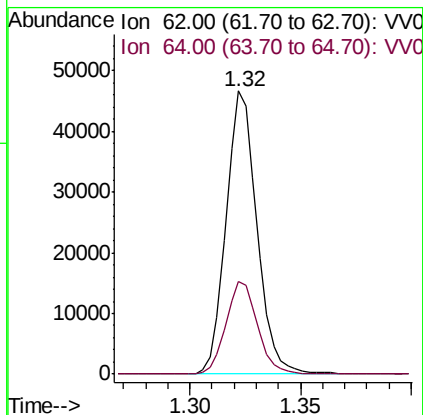
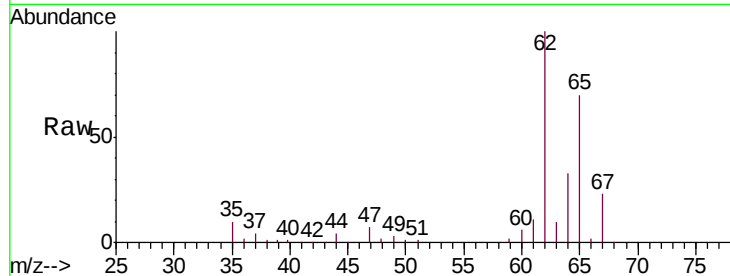
VICV66

Tgt Ion: 62 Resp: 45333

Ion Ratio Lower Upper

62 100

64 32.8 22.9 42.5



#6

Bromomethane

Concen: 28.909 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.00 min

Lab File: VV010693.D

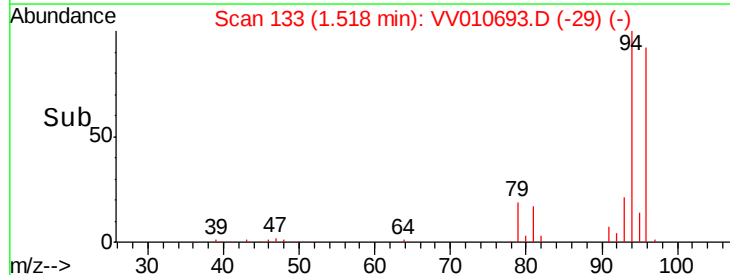
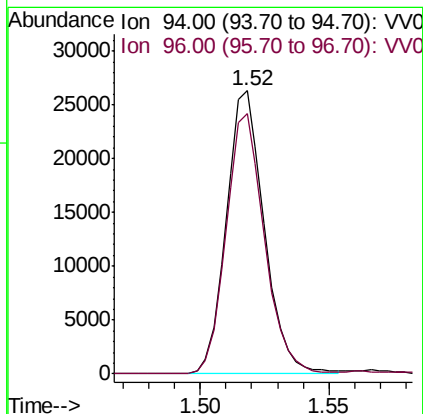
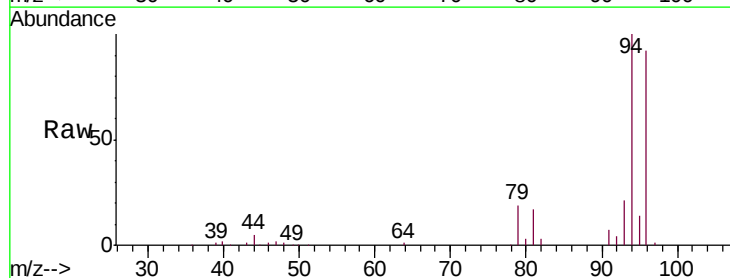
Acq: 07 May 2019 14:03

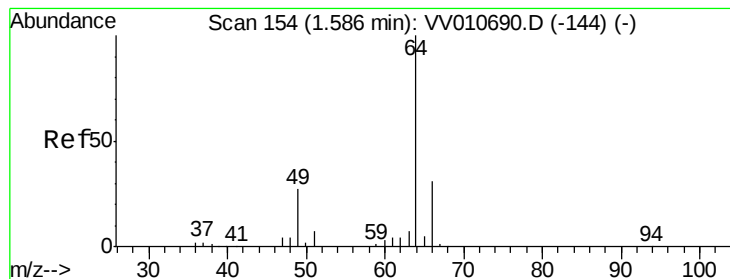
Tgt Ion: 94 Resp: 26805

Ion Ratio Lower Upper

94 100

96 92.8 9.4 179.0





#8

Chloroethane

Concen: 23.456 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

Instrument :

MSVOA_V

ClientSampleId :

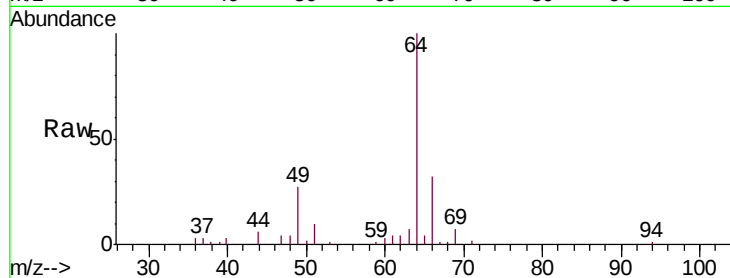
VICV66

Tgt Ion: 64 Resp: 27929

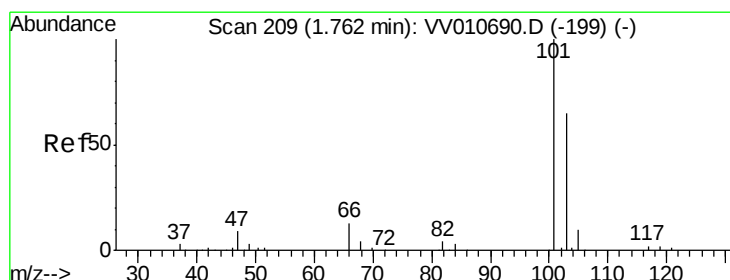
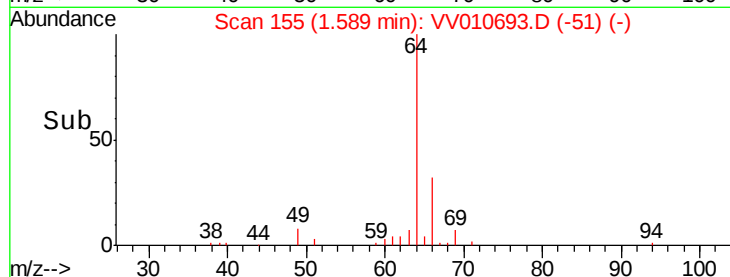
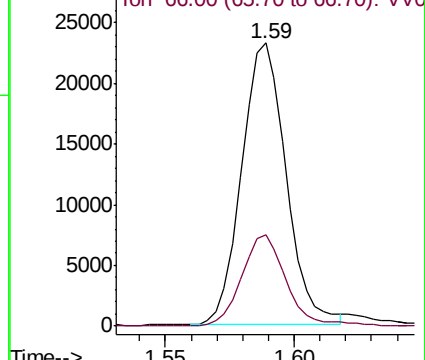
Ion Ratio Lower Upper

64 100

66 32.2 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VV010693.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 23.164 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV010693.D

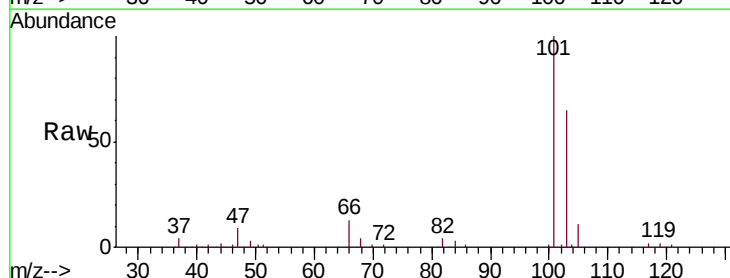
Acq: 07 May 2019 14:03

Tgt Ion: 101 Resp: 66670

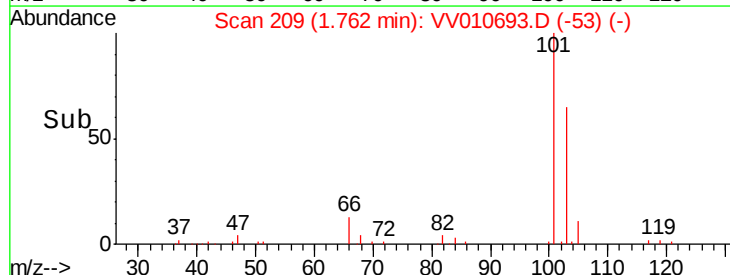
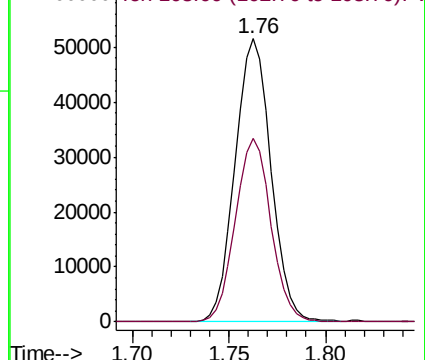
Ion Ratio Lower Upper

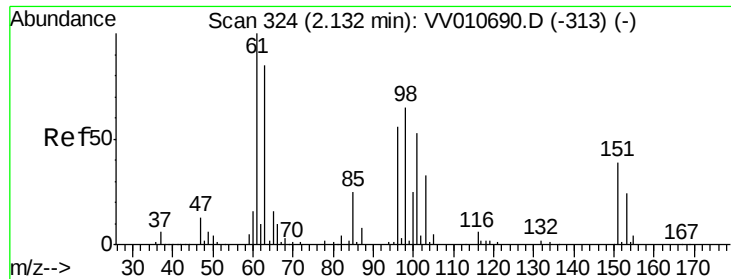
101 100

103 63.9 44.7 82.9



Abundance Ion 101.00 (100.70 to 101.70): VV010693.D (-199) (-)





#11

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

Concen: 23.395 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

Instrument :

MSVOA_V

ClientSampled :

VICV66

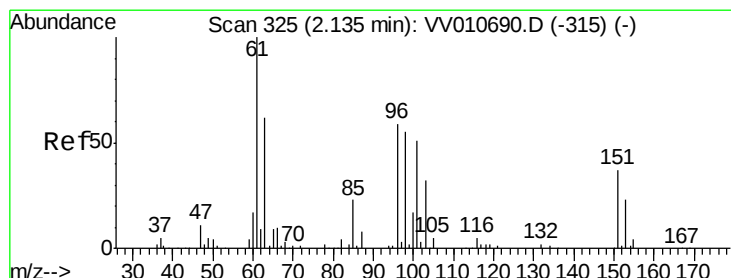
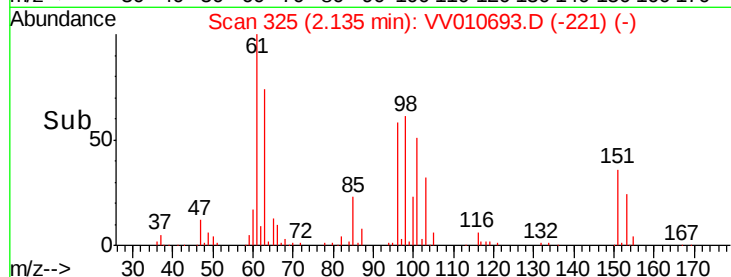
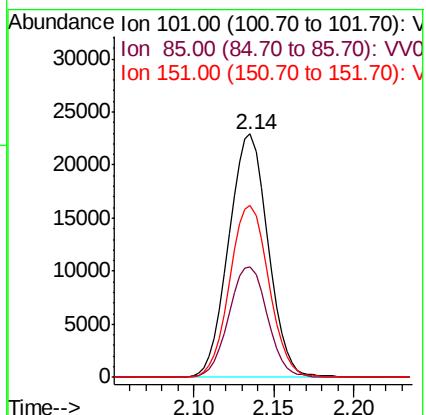
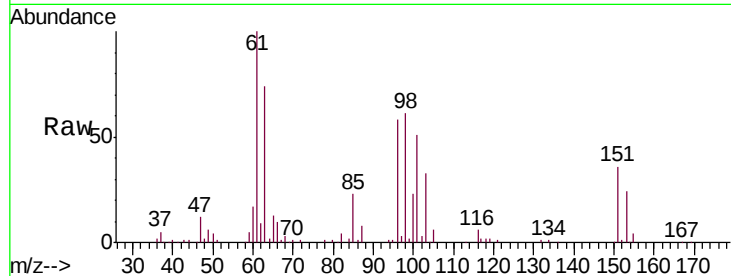
Tgt Ion:101 Resp: 38442

Ion Ratio Lower Upper

101 100

85 44.5 36.0 54.0

151 70.2 58.5 87.7



#12

1,1-Dichloroethene

Concen: 23.397 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

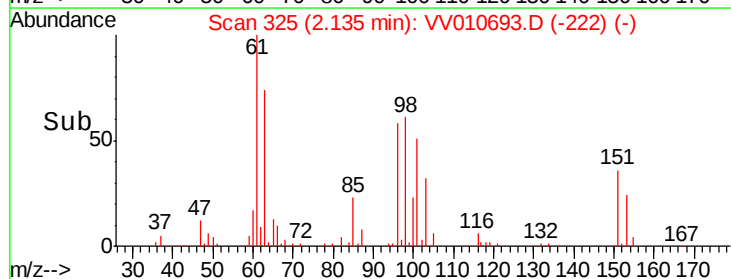
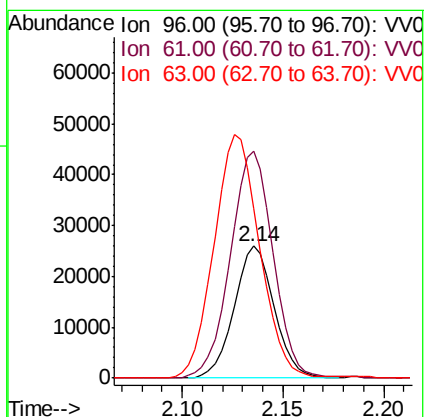
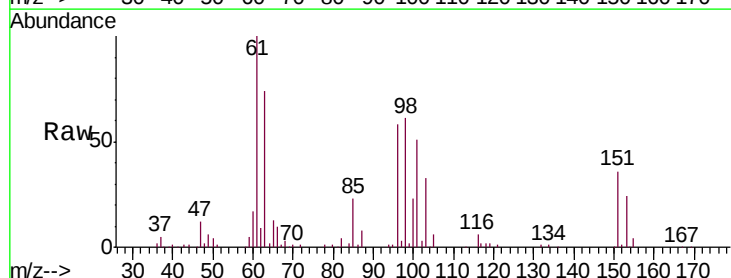
Tgt Ion: 96 Resp: 35999

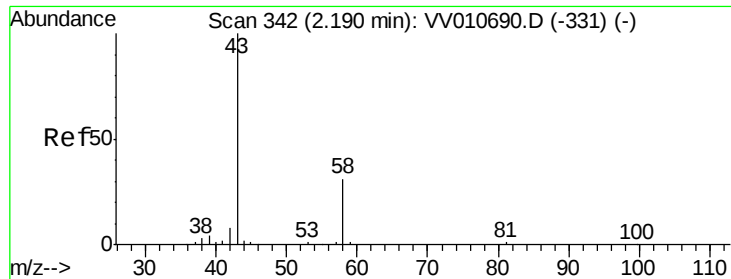
Ion Ratio Lower Upper

96 100

61 172.6 120.3 223.3

63 128.2 82.9 153.9





#13

Acetone

Concen: 49.668 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

Instrument :

MSVOA_V

ClientSampled :

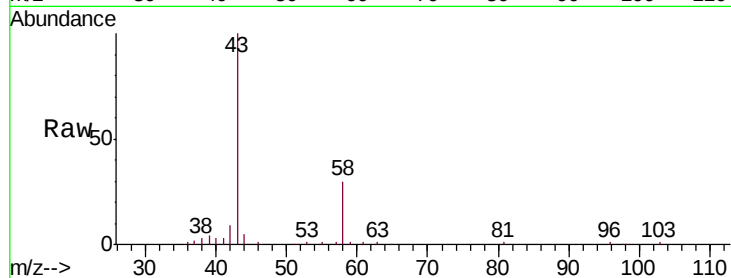
VICV66

Tgt Ion: 43 Resp: 35033

Ion Ratio Lower Upper

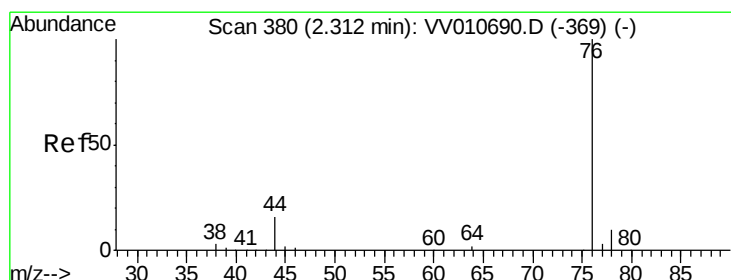
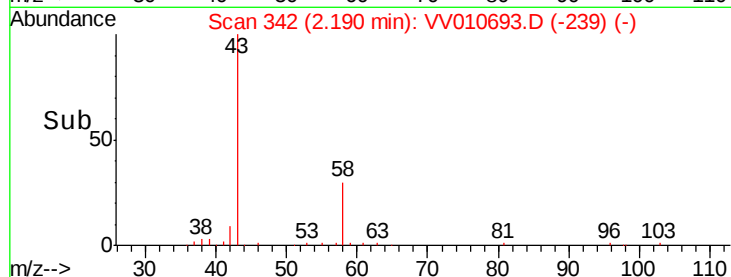
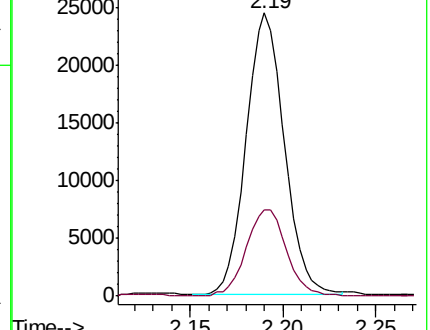
43 100

58 32.3 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV010693.D (-239) (-)

Ion 58.00 (57.70 to 58.70): VV010693.D (-239) (-)



#14

Carbon disulfide

Concen: 23.330 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV010693.D

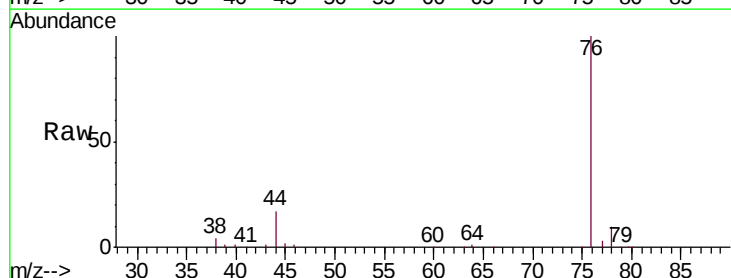
Acq: 07 May 2019 14:03

Tgt Ion: 76 Resp: 88212

Ion Ratio Lower Upper

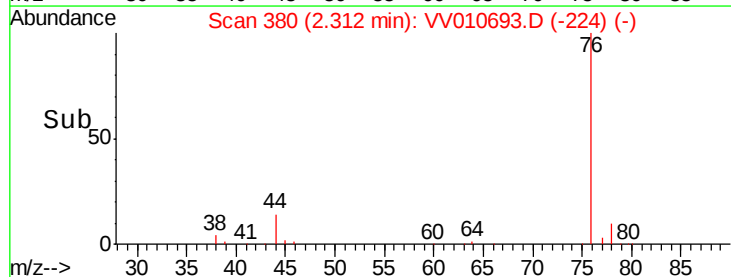
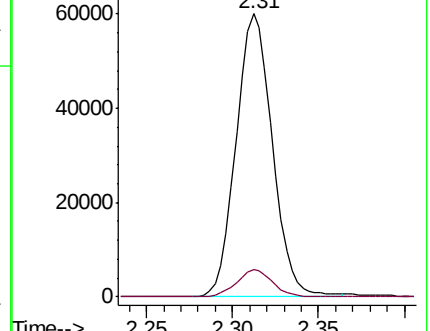
76 100

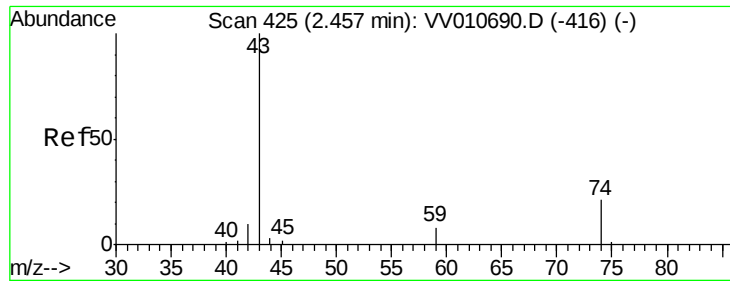
78 9.5 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VV010693.D (-224) (-)

Ion 78.00 (77.70 to 78.70): VV010693.D (-224) (-)

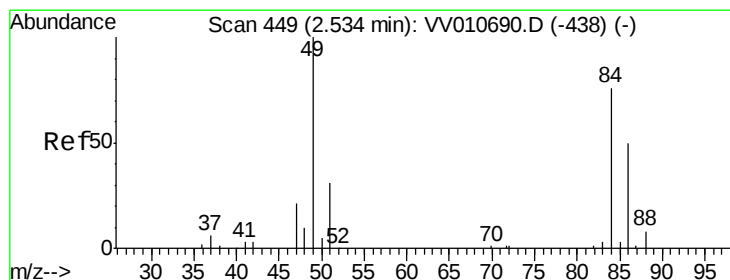
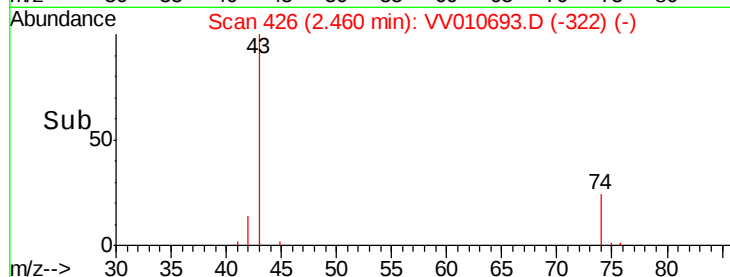
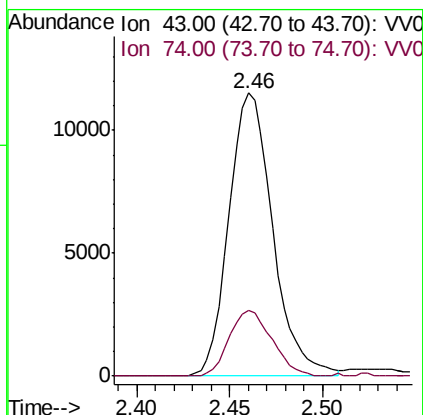
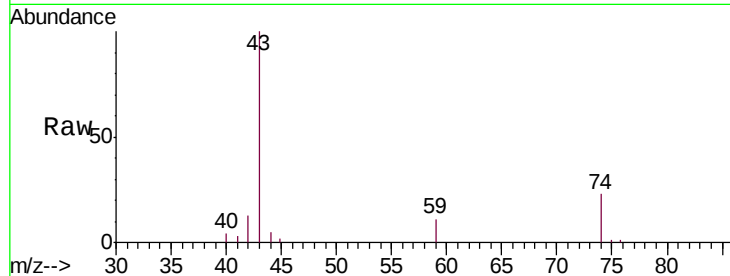




#15
Methyl Acetate
Concen: 22.515 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV010693.D
Acq: 07 May 2019 14:03

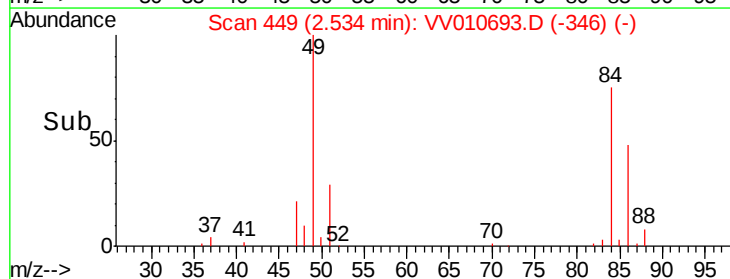
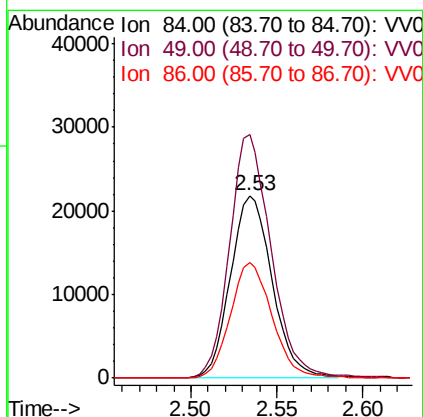
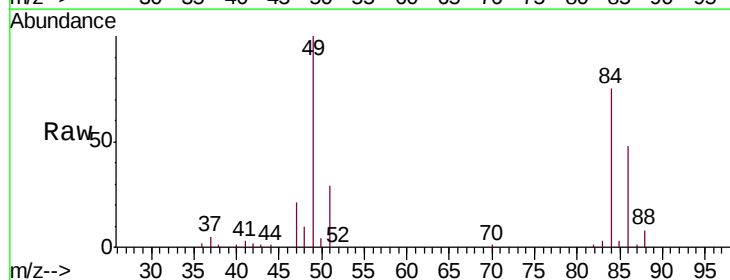
Instrument :
MSVOA_V
ClientSampled :
VICV66

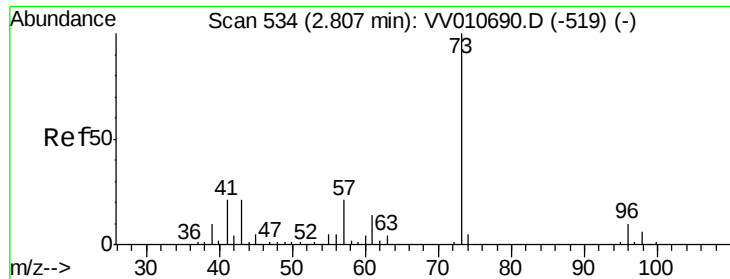
Tgt Ion: 43 Resp: 18971
Ion Ratio Lower Upper
43 100
74 22.5 17.0 25.4



#16
Methylene chloride
Concen: 24.393 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010693.D
Acq: 07 May 2019 14:03

Tgt Ion: 84 Resp: 36861
Ion Ratio Lower Upper
84 100
49 133.6 92.9 172.5
86 63.6 46.5 86.5

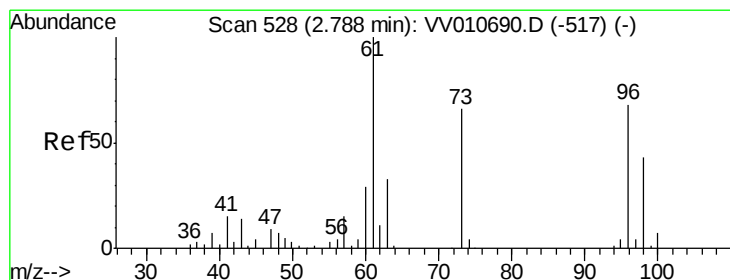
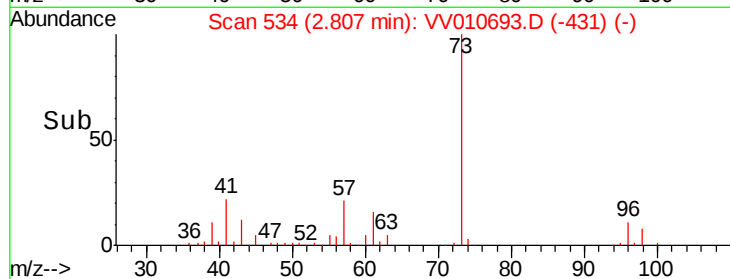
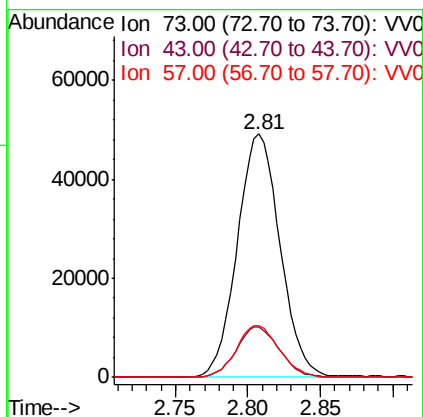
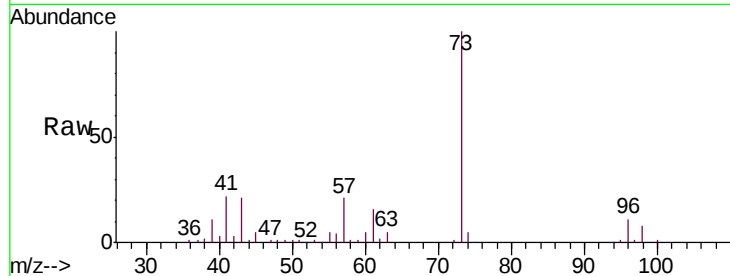




#17
Methyl tert-butyl Ether
Concen: 26.181 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV010693.D
Acq: 07 May 2019 14:03

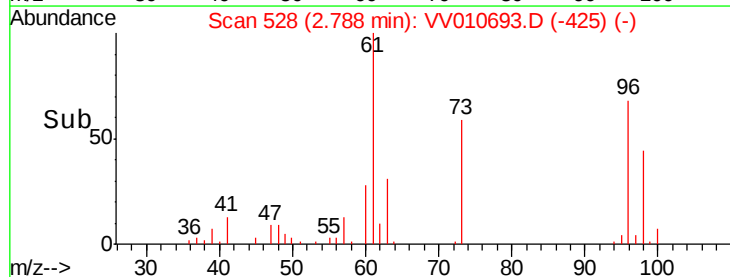
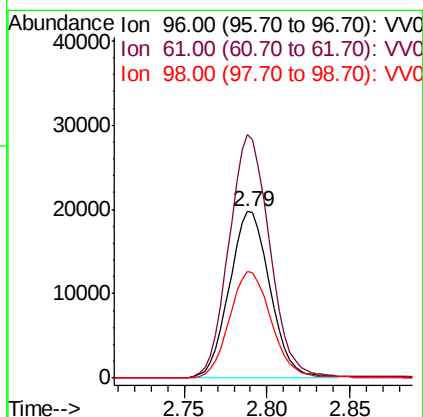
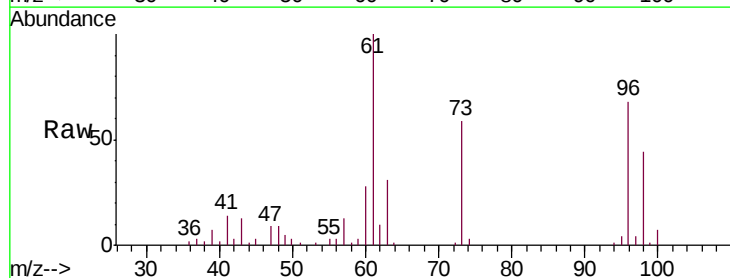
Instrument :
MSVOA_V
ClientSampleId :
VICV66

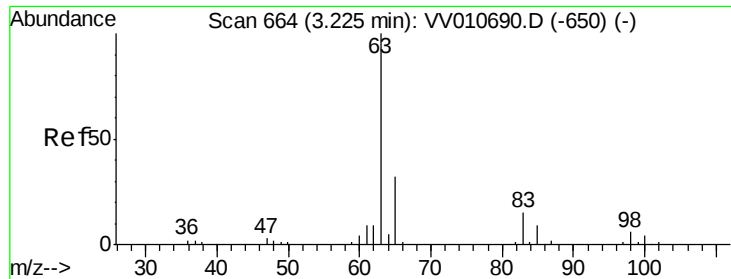
Tgt Ion: 73 Resp: 100868
Ion Ratio Lower Upper
73 100
43 21.0 16.6 25.0
57 21.6 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 24.326 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV010693.D
Acq: 07 May 2019 14:03

Tgt Ion: 96 Resp: 33832
Ion Ratio Lower Upper
96 100
61 146.1 102.8 190.8
98 63.7 44.0 81.6

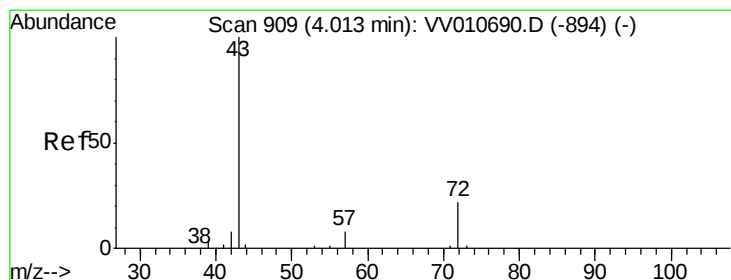
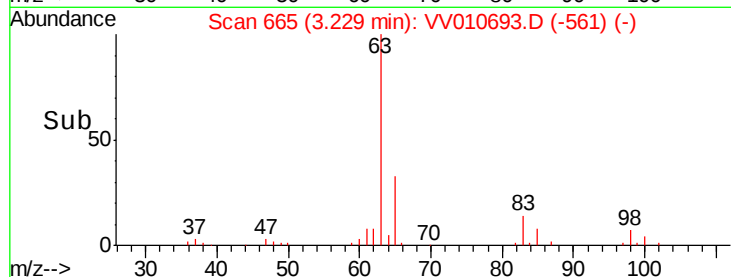
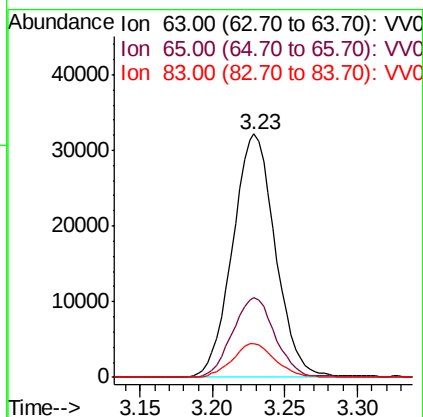
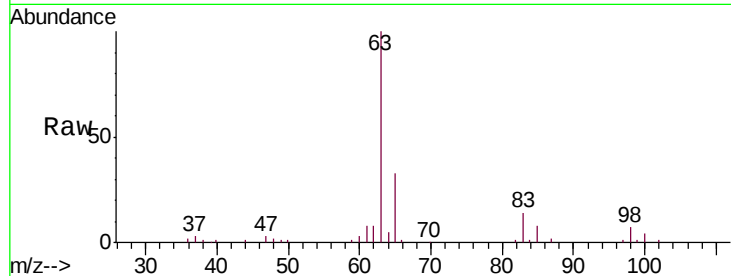




#19
 1,1-Dichloroethane
 Concen: 24.513 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV010693.D
 Acq: 07 May 2019 14:03

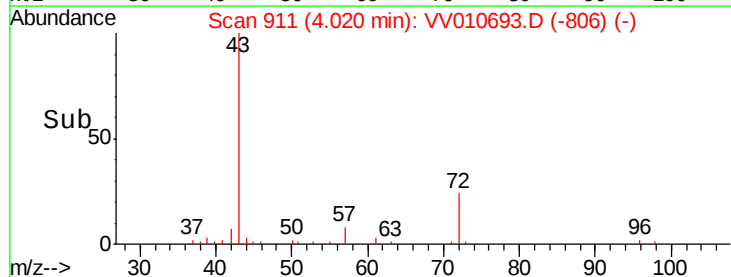
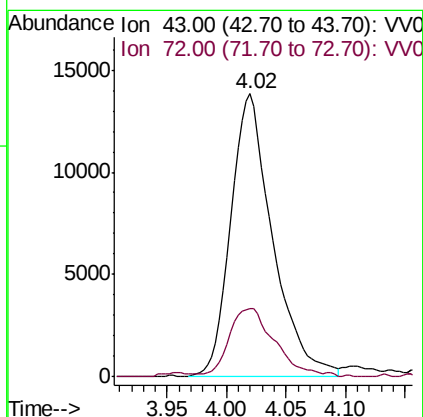
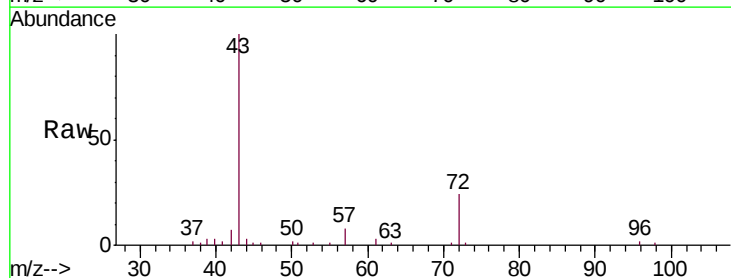
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

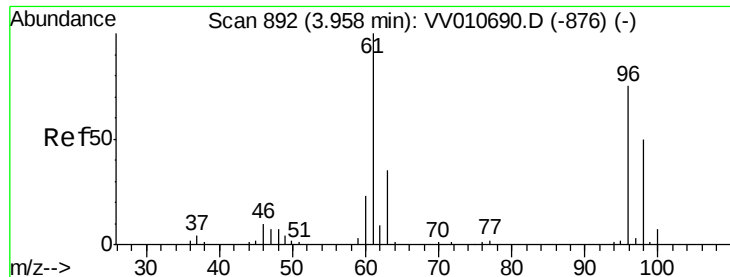
Tgt Ion: 63 Resp: 65817
 Ion Ratio Lower Upper
 63 100
 65 32.7 22.5 41.7
 83 13.7 10.3 19.1



#21
 2-Butanone
 Concen: 50.587 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VV010693.D
 Acq: 07 May 2019 14:03

Tgt Ion: 43 Resp: 33817
 Ion Ratio Lower Upper
 43 100
 72 26.2 11.2 33.6



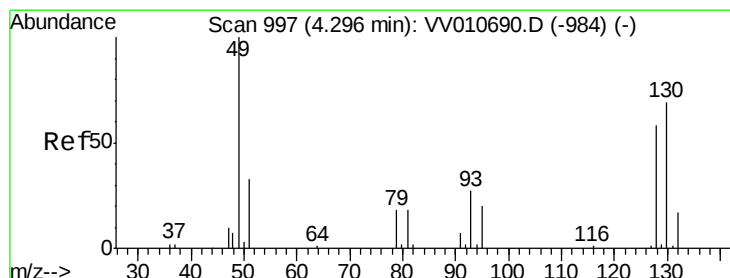
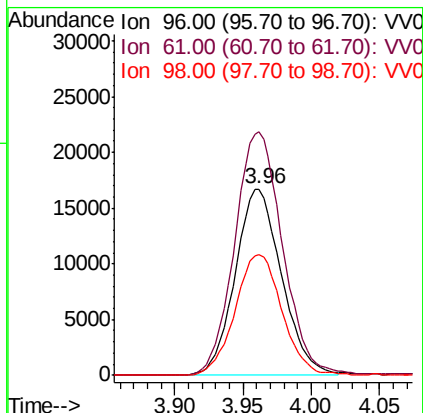
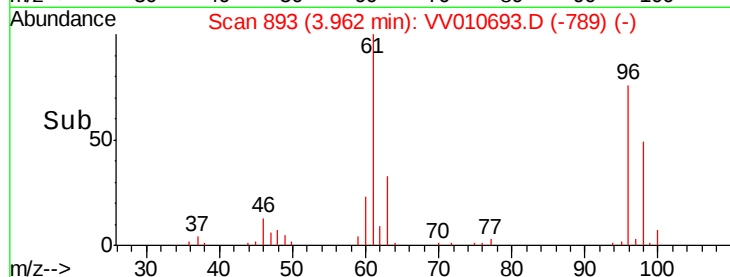
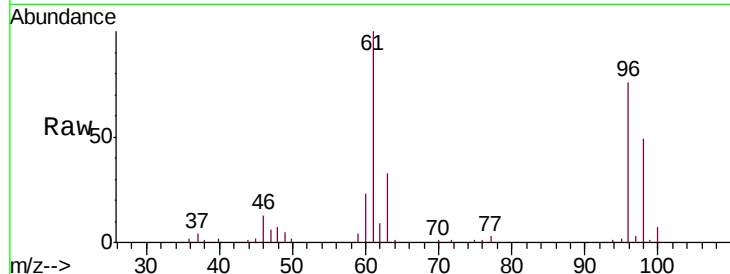


#22

cis-1,2-Dichloroethene
Concen: 24.880 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV010693.D
Acq: 07 May 2019 14:03

Instrument :
MSVOA_V
ClientSampleId :
VICV66

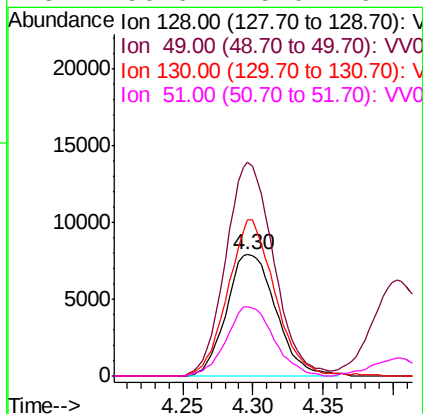
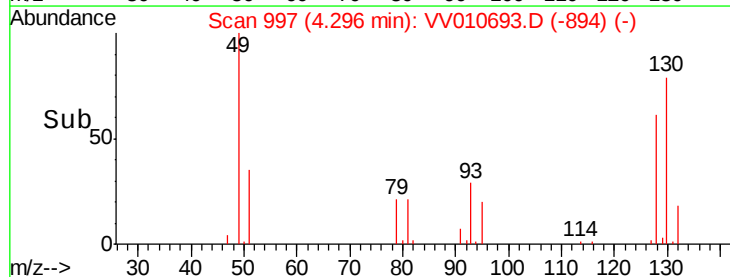
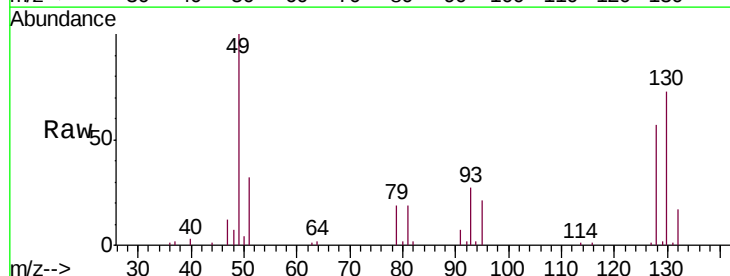
Tgt Ion: 96 Resp: 39529
Ion Ratio Lower Upper
96 100
61 130.9 93.9 174.5
98 64.8 46.5 86.5

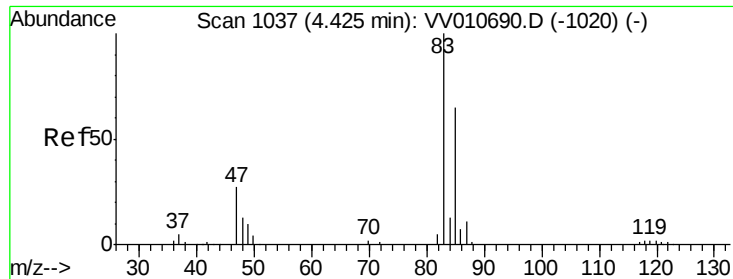


#23

Bromochloromethane
Concen: 27.122 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV010693.D
Acq: 07 May 2019 14:03

Tgt Ion: 128 Resp: 19370
Ion Ratio Lower Upper
128 100
49 175.7 122.6 227.8
130 128.7 84.0 156.0
51 56.6 45.0 67.4

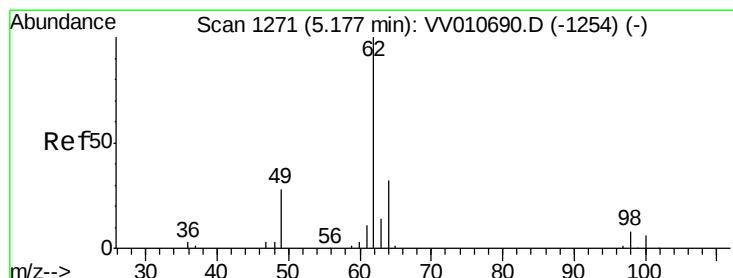
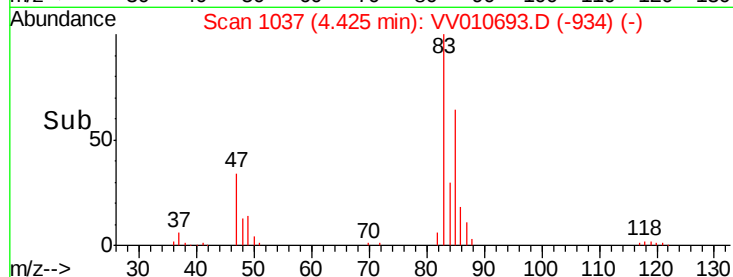
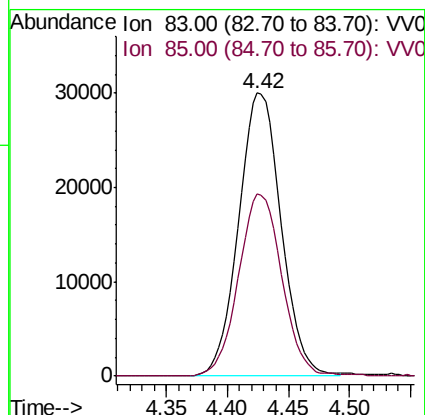
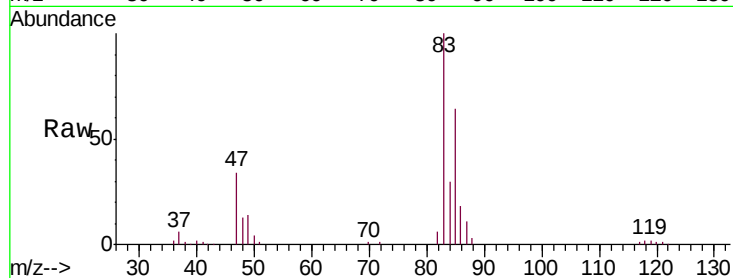




#25
Chloroform
Concen: 24.472 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV010693.D
Acq: 07 May 2019 14:03

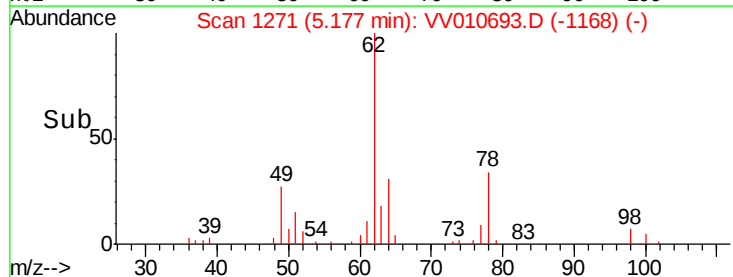
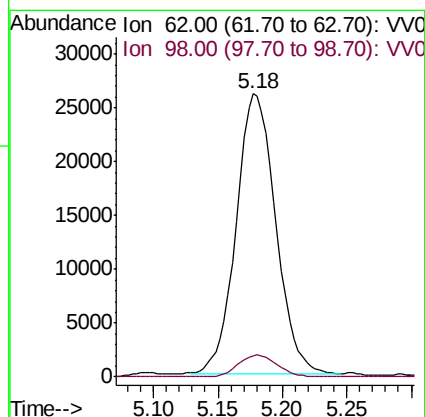
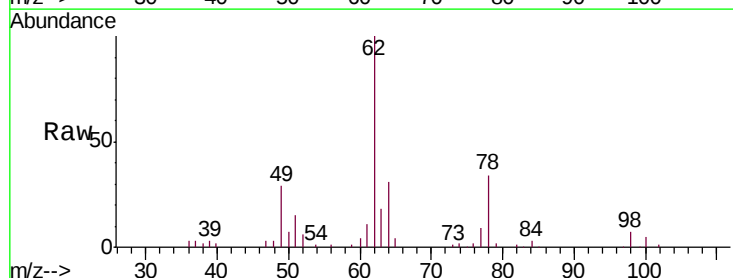
Instrument :
MSVOA_V
ClientSampleId :
VICV66

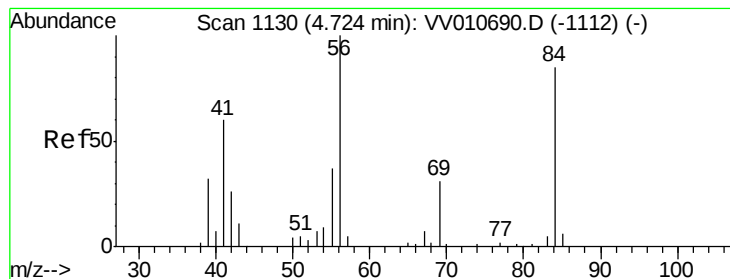
Tgt Ion: 83 Resp: 72385
Ion Ratio Lower Upper
83 100
85 65.1 44.6 82.8



#27
1,2-Dichloroethane
Concen: 25.532 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV010693.D
Acq: 07 May 2019 14:03

Tgt Ion: 62 Resp: 55201
Ion Ratio Lower Upper
62 100
98 7.4 6.3 9.5





#30

Cyclohexane

Concen: 22.846 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

Instrument :

MSVOA_V

ClientSampleId :

VICV66

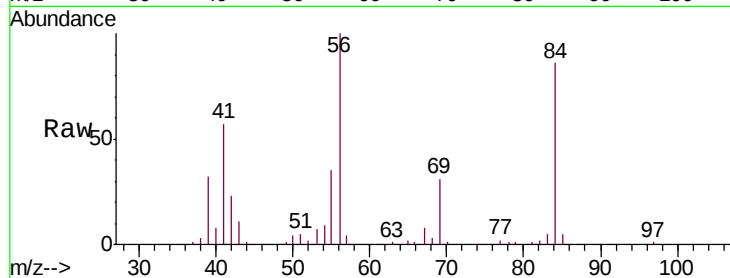
Tgt Ion: 56 Resp: 57679

Ion Ratio Lower Upper

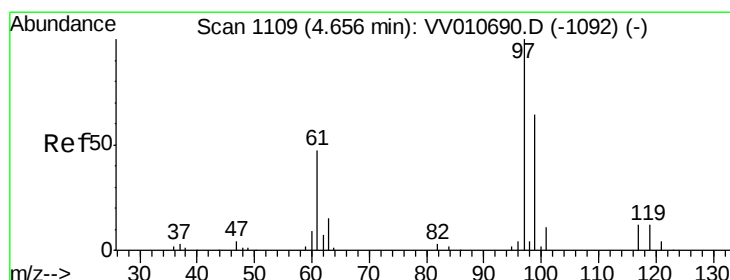
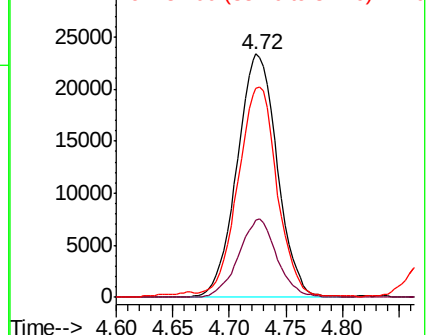
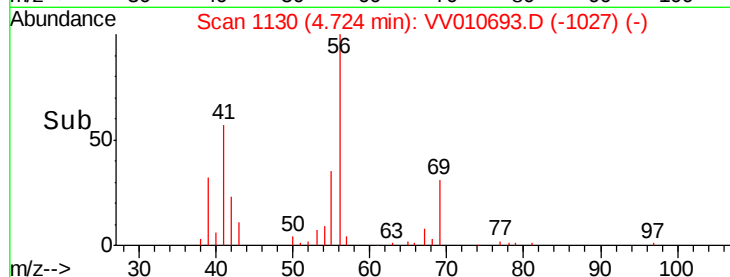
56 100

69 30.5 24.2 36.4

84 84.8 66.5 99.7



Abundance Ion 56.00 (55.70 to 56.70): VV010693.D (-1027) (-)



#31

1,1,1-Trichloroethane

Concen: 23.582 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

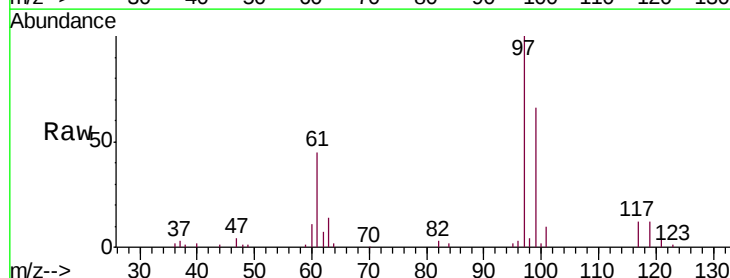
Tgt Ion: 97 Resp: 59189

Ion Ratio Lower Upper

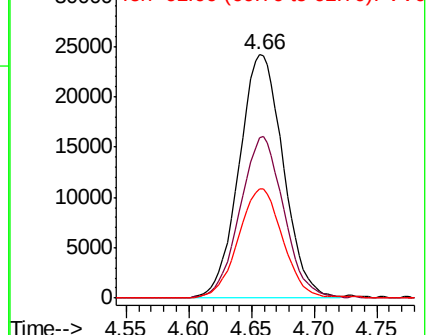
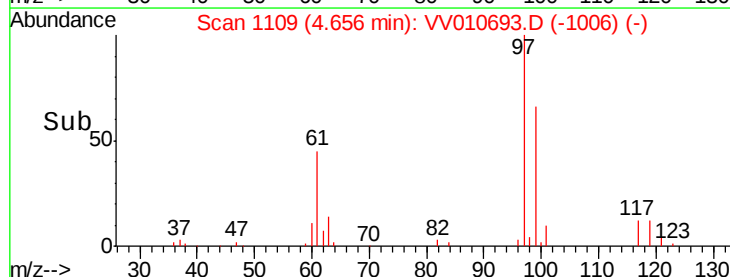
97 100

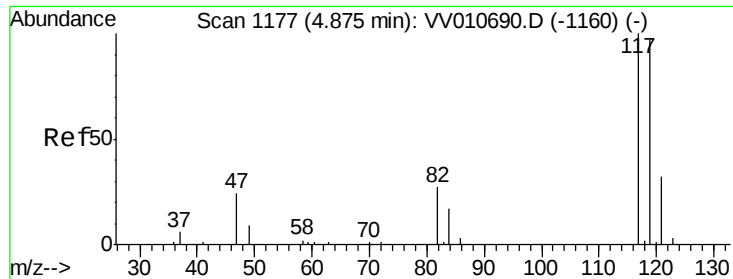
99 65.5 50.2 75.2

61 44.9 36.7 55.1



Abundance Ion 97.00 (96.70 to 97.70): VV010693.D (-1006) (-)





#32

Carbon tetrachloride

Concen: 23.245 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

Instrument :

MSVOA_V

ClientSampleId :

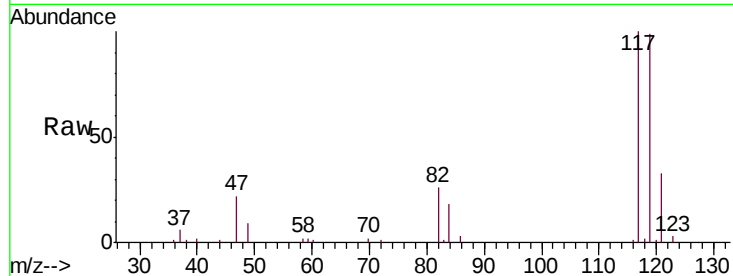
VICV66

Tgt Ion:117 Resp: 50821

Ion Ratio Lower Upper

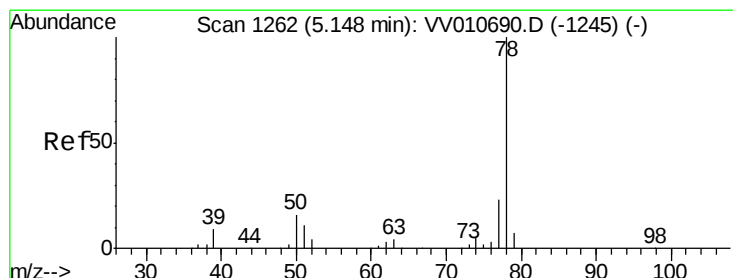
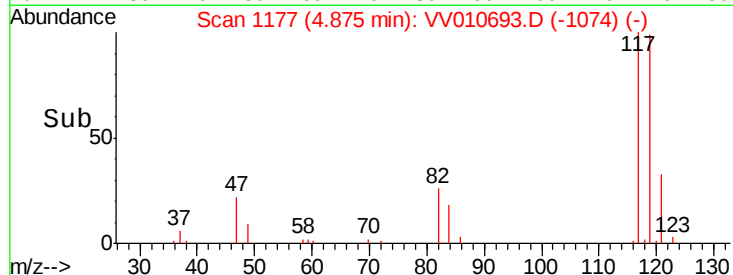
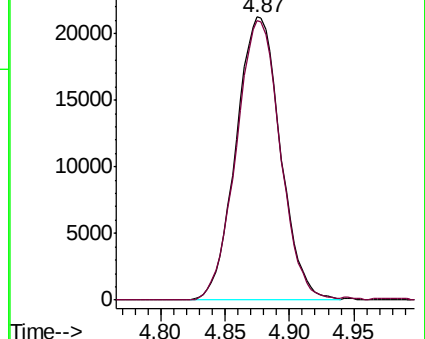
117 100

119 97.7 74.9 112.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.350 ug/L

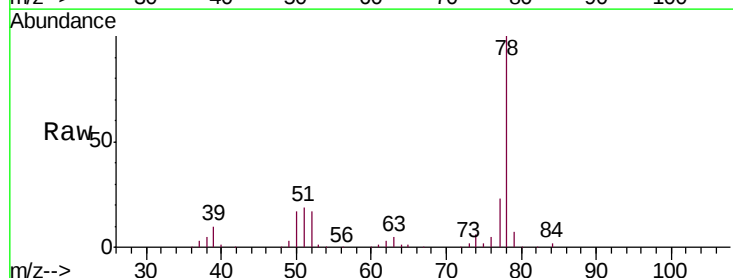
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

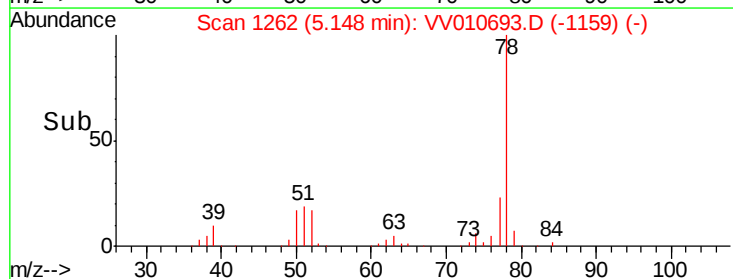
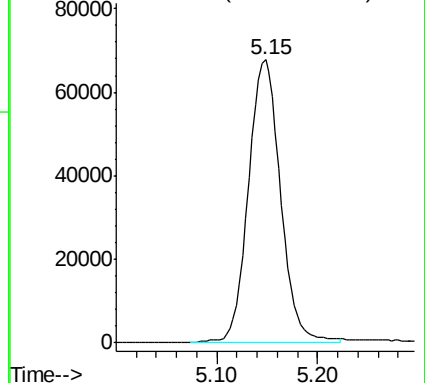
Lab File: VV010693.D

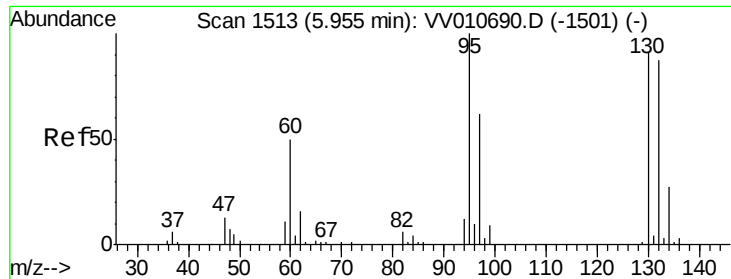
Acq: 07 May 2019 14:03

Tgt Ion: 78 Resp: 149807



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 24.621 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

Instrument :

MSVOA_V

ClientSampleId :

VICV66

Tgt Ion: 95 Resp: 40755

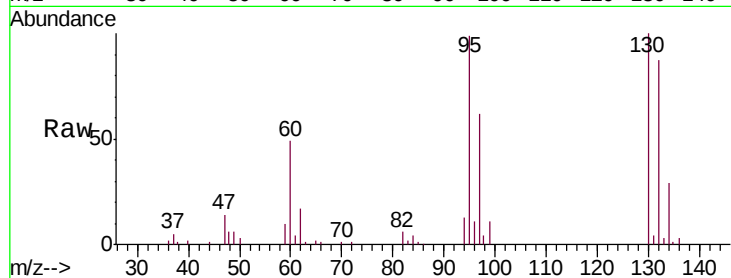
Ion Ratio Lower Upper

95 100

97 63.1 44.3 82.3

132 90.3 62.4 115.8

130 99.2 68.5 127.3

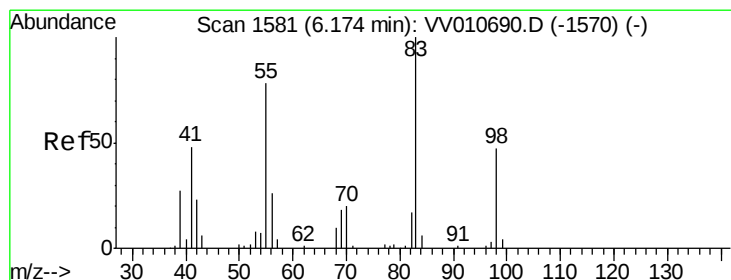
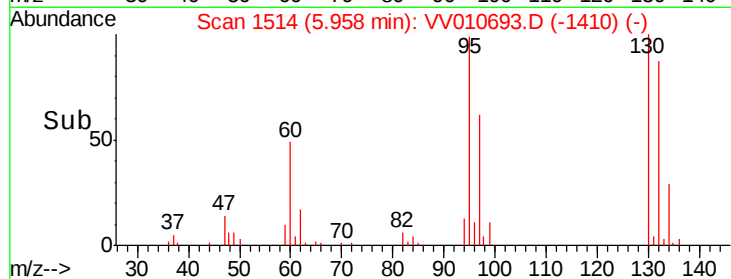
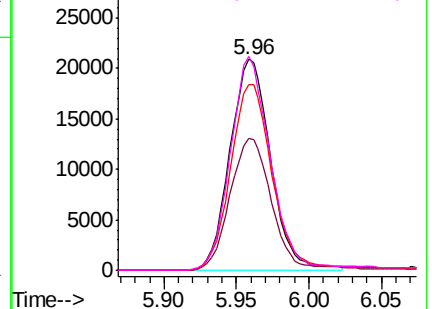


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 23.446 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

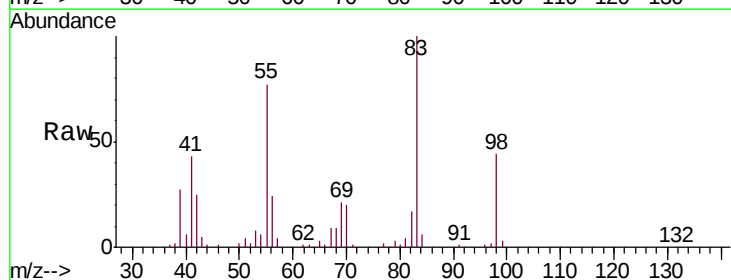
Tgt Ion: 83 Resp: 62202

Ion Ratio Lower Upper

83 100

55 78.1 64.6 96.8

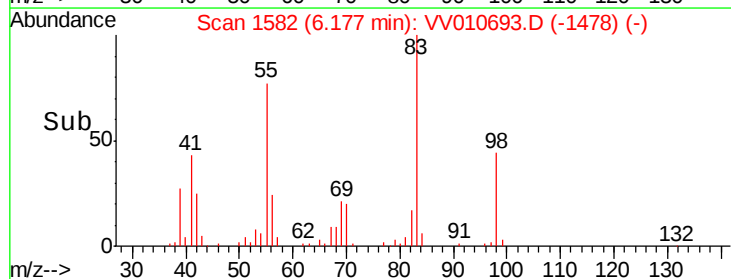
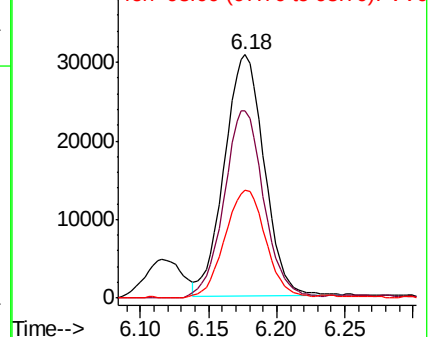
98 46.1 37.7 56.5

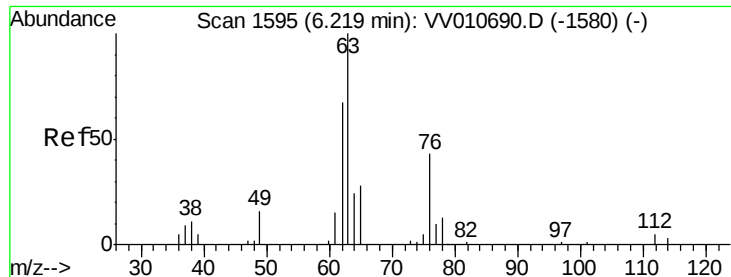


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 25.816 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

Instrument :

MSVOA_V

ClientSampleId :

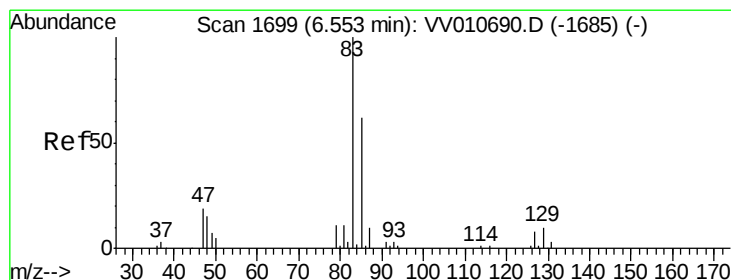
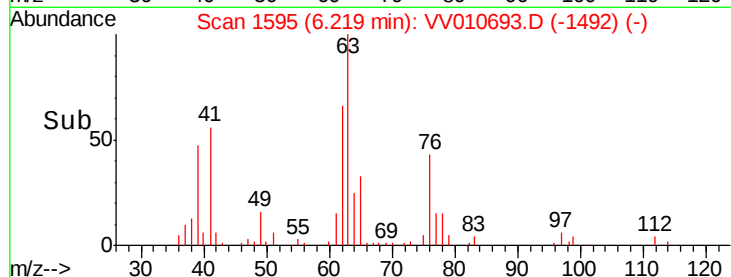
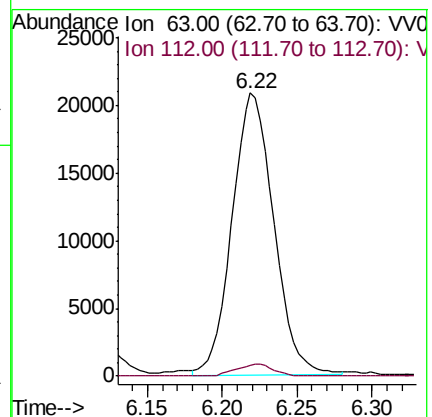
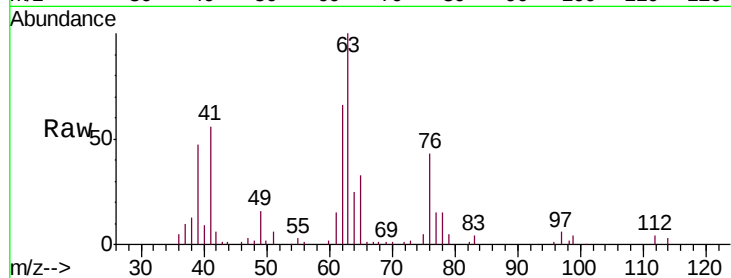
VICV66

Tgt Ion: 63 Resp: 40584

Ion Ratio Lower Upper

63 100

112 3.7 3.4 5.2



#41

Bromodichloromethane

Concen: 26.255 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

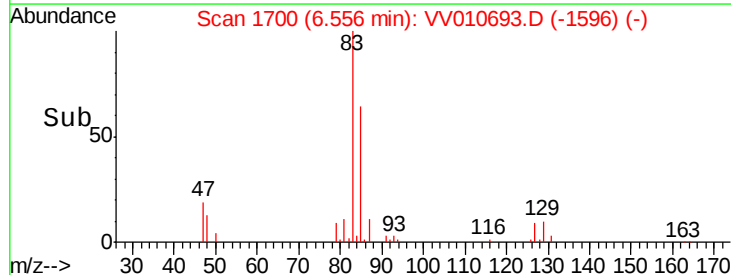
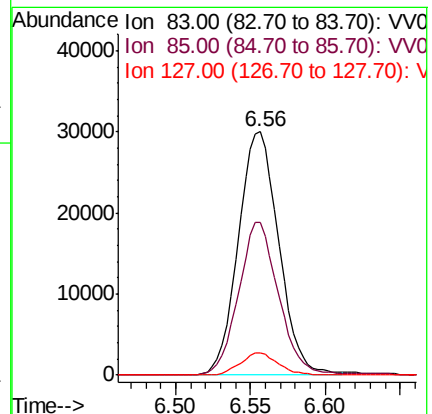
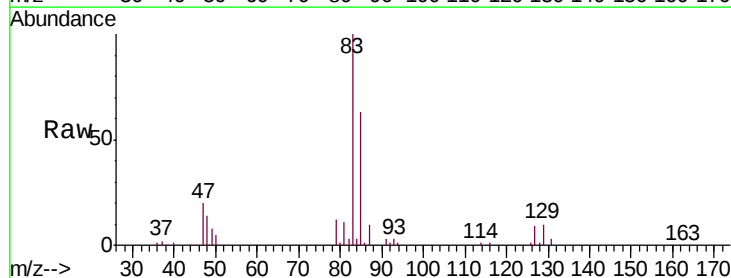
Tgt Ion: 83 Resp: 56712

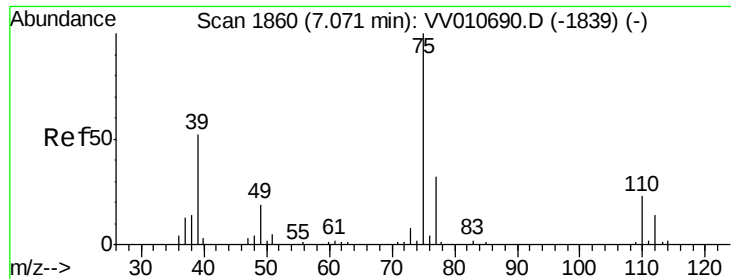
Ion Ratio Lower Upper

83 100

85 62.8 43.5 80.7

127 9.0 6.2 9.4



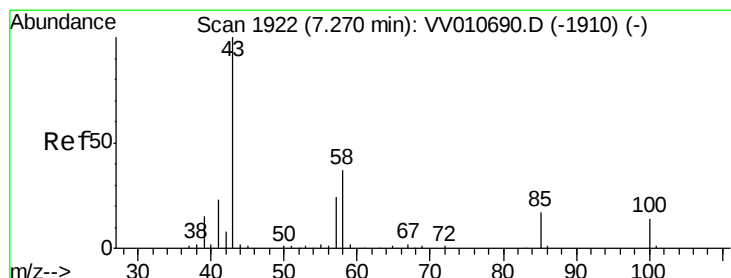
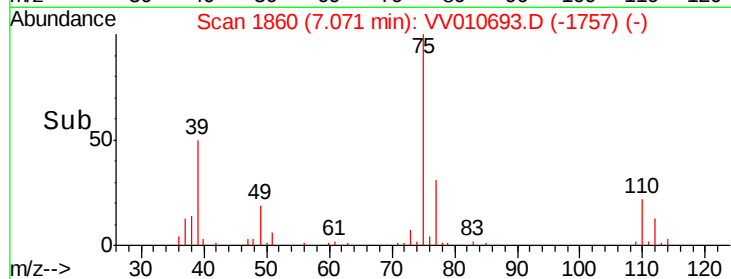
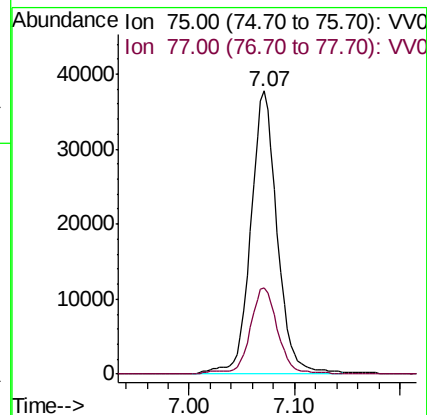
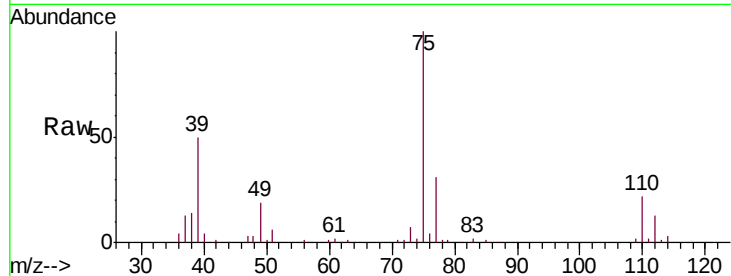


#42

cis-1,3-Dichloropropene
 Concen: 26.576 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010693.D
 Acq: 07 May 2019 14:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

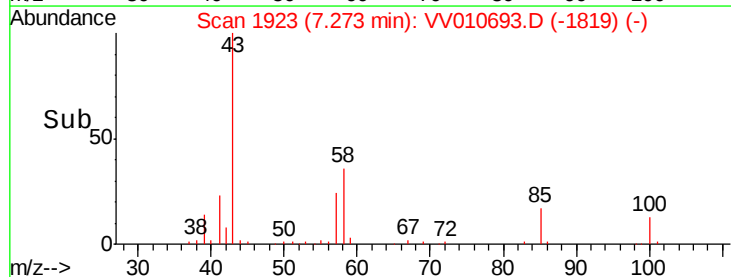
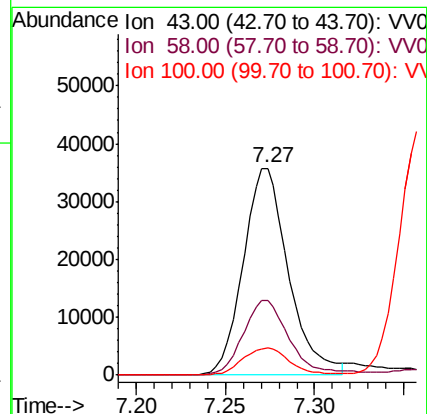
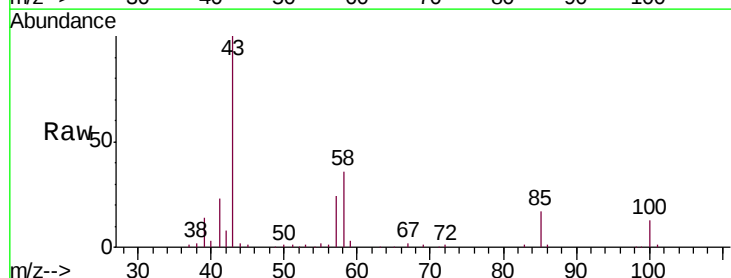
Tgt Ion: 75 Resp: 66080
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.3 41.3

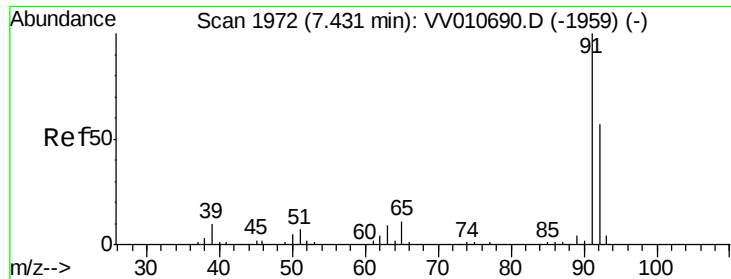


#43

4-Methyl-2-pentanone
 Concen: 47.904 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV010693.D
 Acq: 07 May 2019 14:03

Tgt Ion: 43 Resp: 63390
 Ion Ratio Lower Upper
 43 100
 58 37.4 28.1 42.1
 100 13.9 11.0 16.6





#44

Toluene

Concen: 25.822 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

Instrument :

MSVOA_V

ClientSampled :

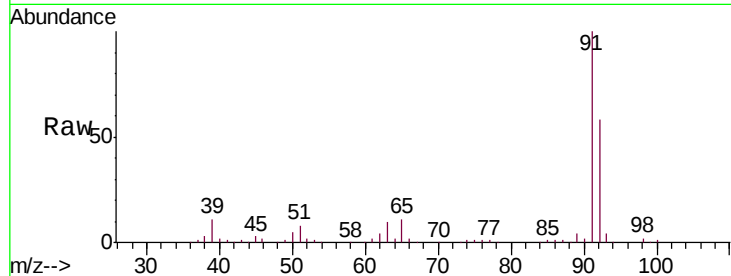
VICV66

Tgt Ion: 91 Resp: 173308

Ion Ratio Lower Upper

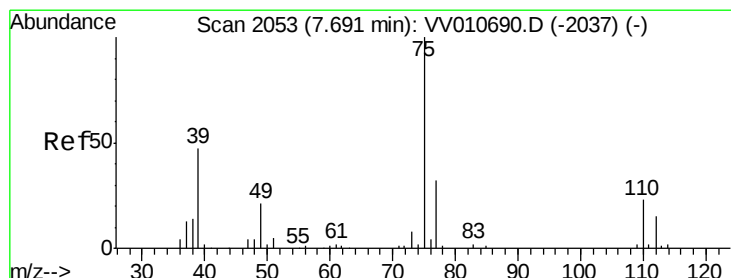
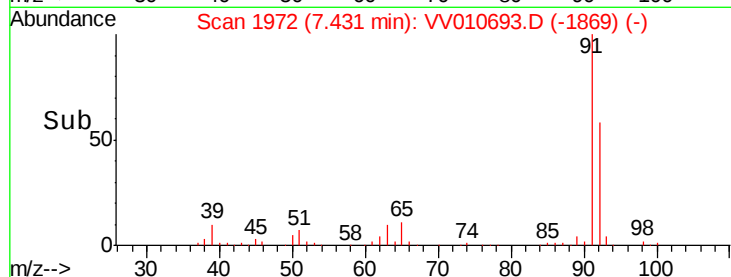
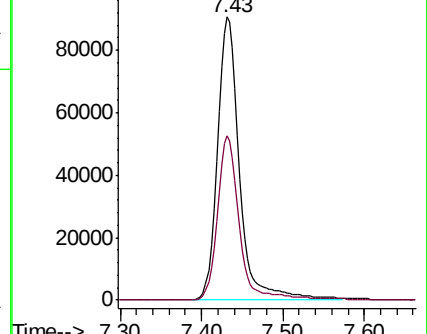
91 100

92 58.1 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV010693.D (-1869) (-)

Ion 92.00 (91.70 to 92.70): VV010693.D (-1869) (-)



#45

trans-1,3-Dichloropropene

Concen: 26.423 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV010693.D

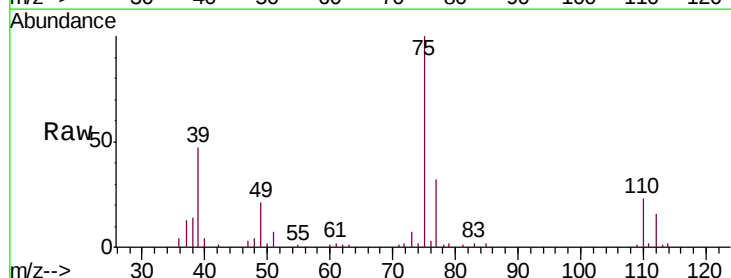
Acq: 07 May 2019 14:03

Tgt Ion: 75 Resp: 55323

Ion Ratio Lower Upper

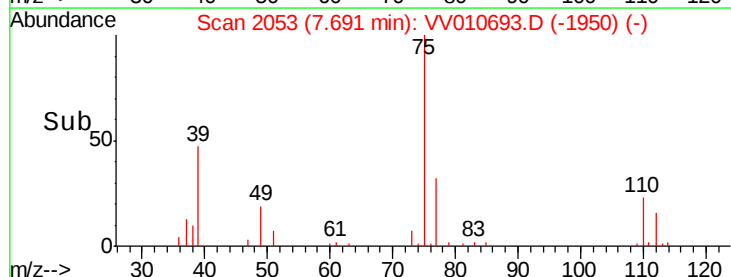
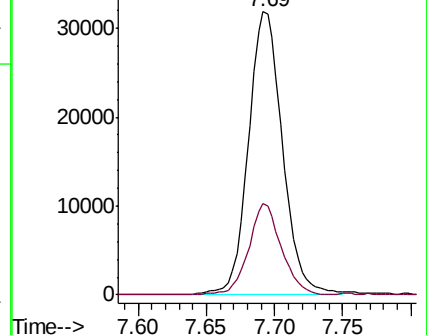
75 100

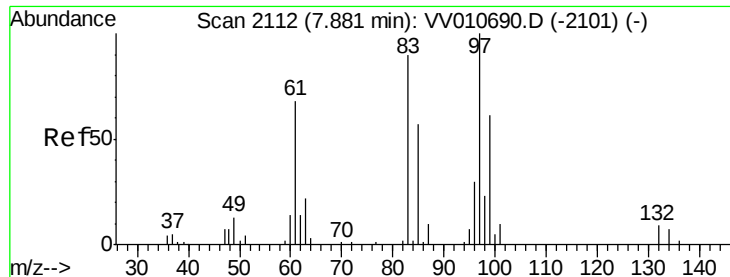
77 32.1 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VV010693.D (-1950) (-)

Ion 77.00 (76.70 to 77.70): VV010693.D (-1950) (-)

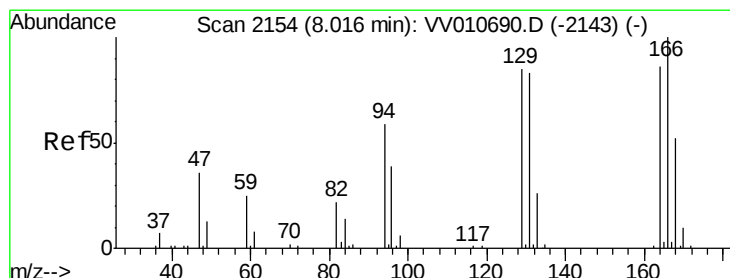
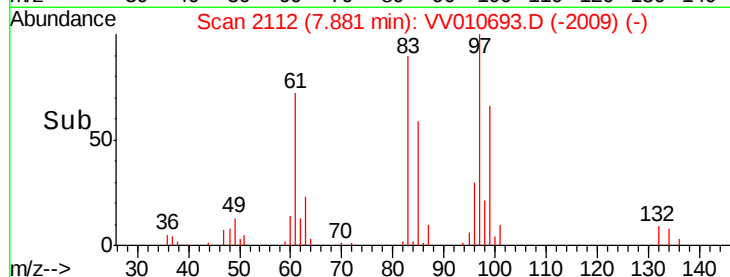
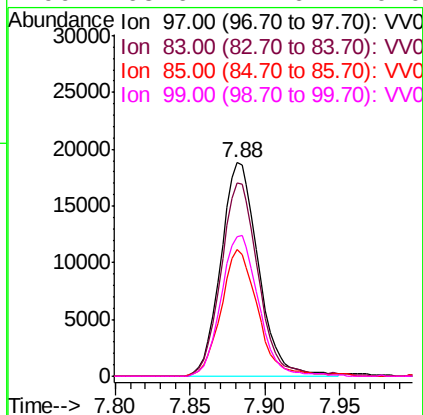
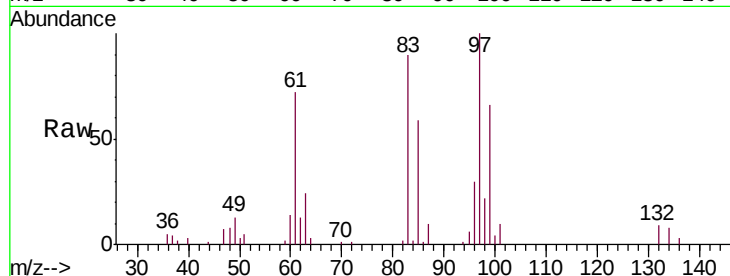




#46
 1,1,2-Trichloroethane
 Concen: 25.469 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV010693.D
 Acq: 07 May 2019 14:03

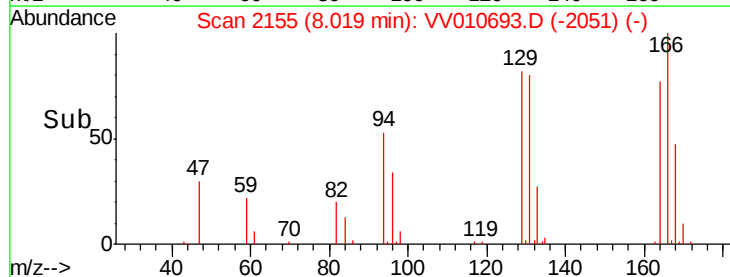
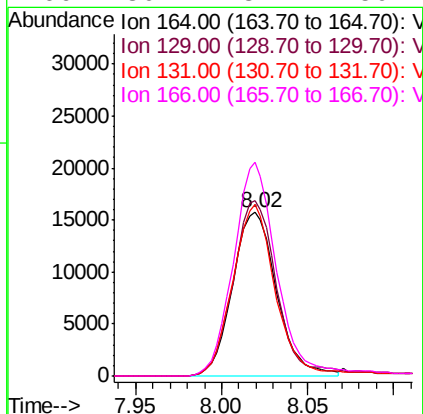
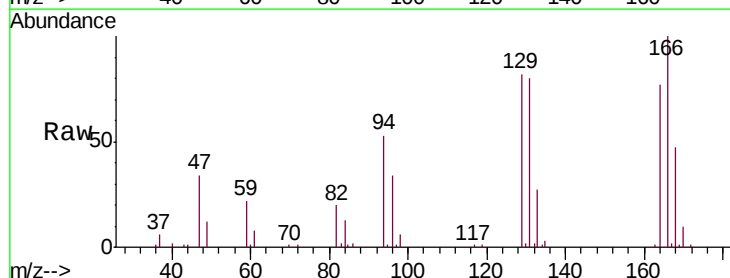
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

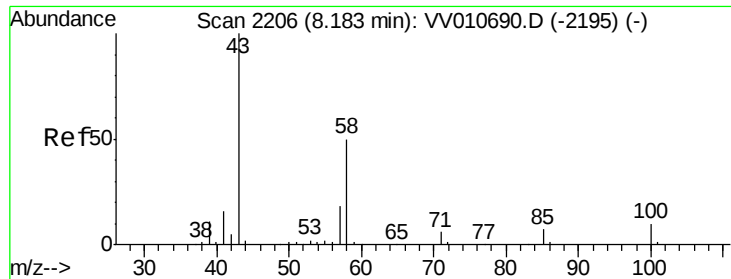
Tgt Ion:	97	Resp:	32892
Ion	Ratio	Lower	Upper
97	100		
83	90.4	62.8	116.6
85	59.3	40.2	74.6
99	65.6	42.6	79.0



#47
 Tetrachloroethene
 Concen: 23.370 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010693.D
 Acq: 07 May 2019 14:03

Tgt Ion:	164	Resp:	28016
Ion	Ratio	Lower	Upper
164	100		
129	107.6	69.3	128.7
131	104.9	67.3	125.1
166	130.7	81.1	150.7

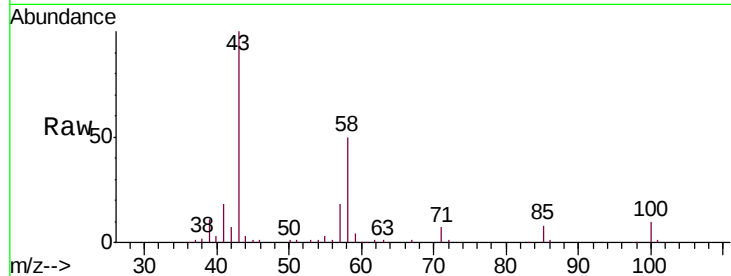




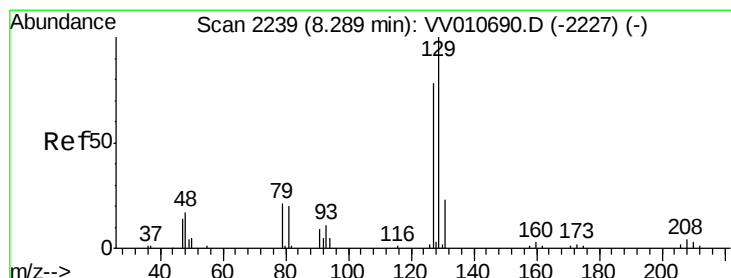
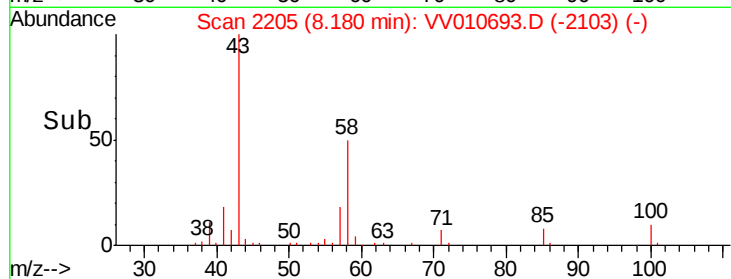
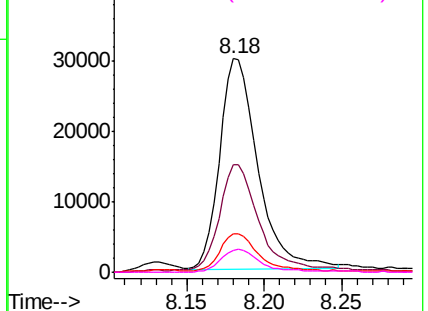
#49
2-Hexanone
Concen: 51.174 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV010693.D
Acq: 07 May 2019 14:03

Instrument :
MSVOA_V
ClientSampled :
VICV66

Tgt Ion:	43	Resp:	51485
Ion	Ratio	Lower	Upper
43	100		
58	51.8	39.4	59.0
57	18.0	14.2	21.4
100	10.5	8.2	12.2

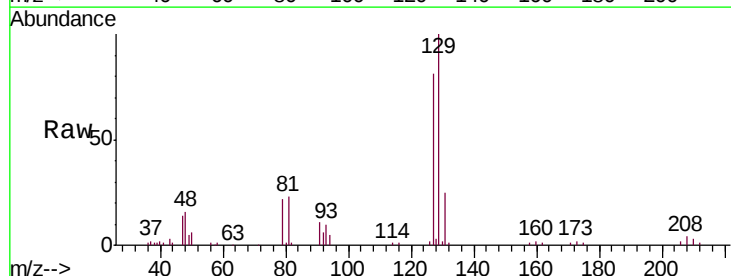


Abundance Ion 43.00 (42.70 to 43.70): VV010693.D (-2195) (-)
Ion 58.00 (57.70 to 58.70): VV010693.D (-2195) (-)
Ion 57.00 (56.70 to 57.70): VV010693.D (-2195) (-)
Ion 100.00 (99.70 to 100.70): VV010693.D (-2195) (-)

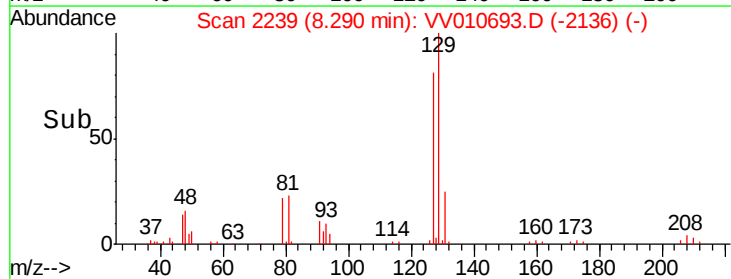
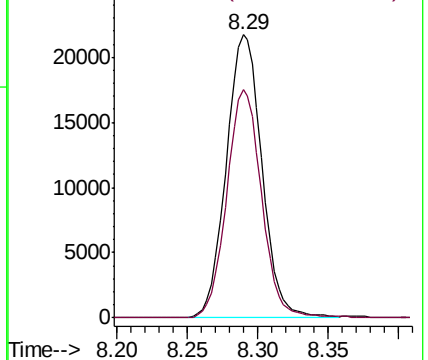


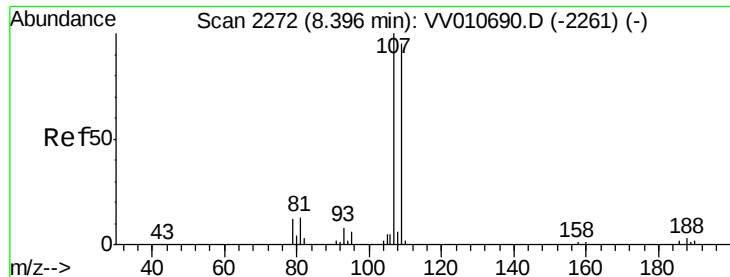
#50
Dibromochloromethane
Concen: 25.859 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010693.D
Acq: 07 May 2019 14:03

Tgt Ion:	129	Resp:	38403
Ion	Ratio	Lower	Upper
129	100		
127	80.5	54.5	101.1



Abundance Ion 129.00 (128.70 to 129.70): VV010693.D (-2136) (-)
Ion 127.00 (126.70 to 127.70): VV010693.D (-2136) (-)

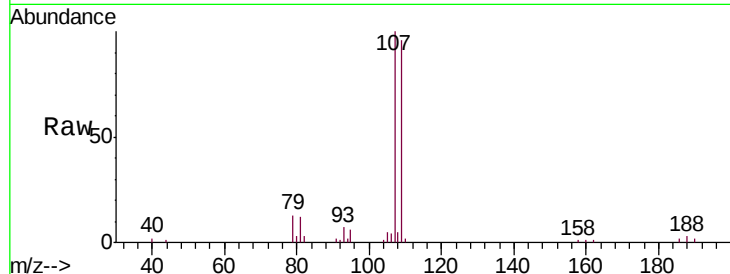




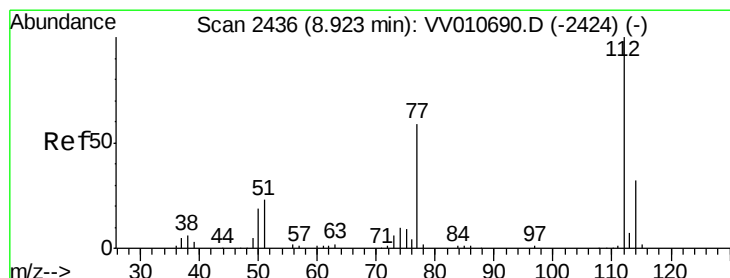
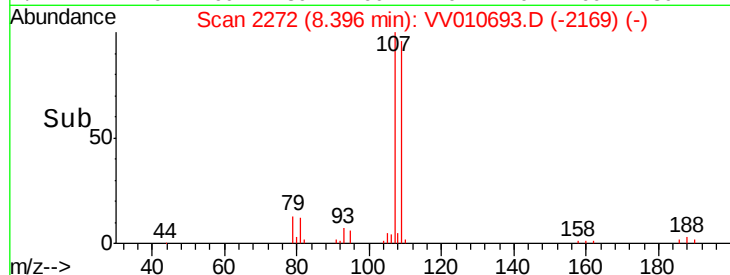
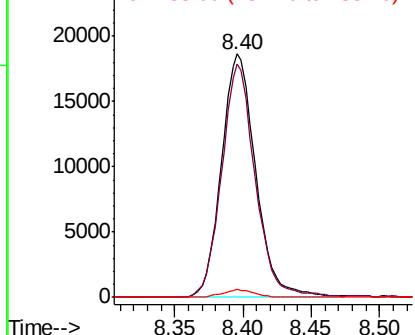
#51
1,2-Dibromoethane
Concen: 26.082 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV010693.D
Acq: 07 May 2019 14:03

Instrument :
MSVOA_V
ClientSampleId :
VICV66

Tgt Ion:107 Resp: 32533
Ion Ratio Lower Upper
107 100
109 95.9 66.6 123.6
188 3.3 2.7 4.1

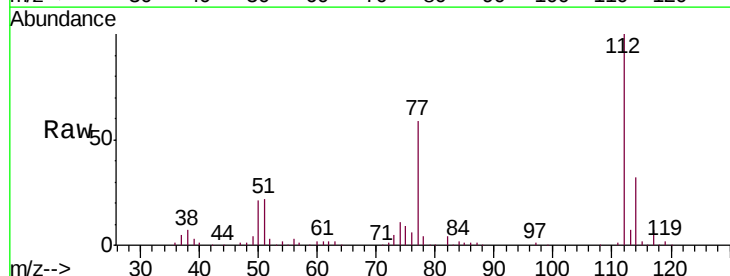


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

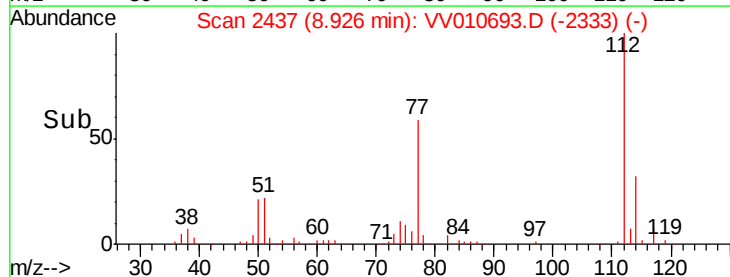
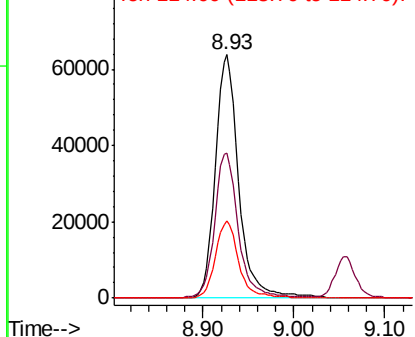


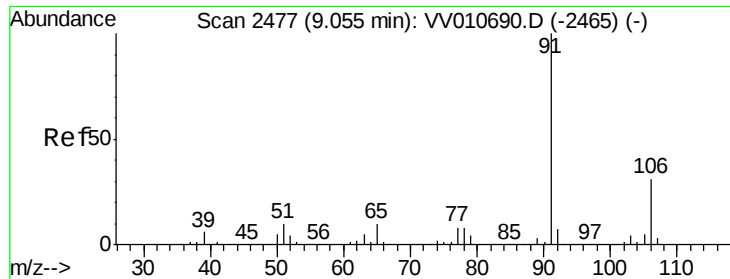
#52
Chlorobenzene
Concen: 25.971 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV010693.D
Acq: 07 May 2019 14:03

Tgt Ion:112 Resp: 113879
Ion Ratio Lower Upper
112 100
77 59.4 47.7 71.5
114 31.7 22.1 41.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.358 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

Instrument :

MSVOA_V

ClientSampleId :

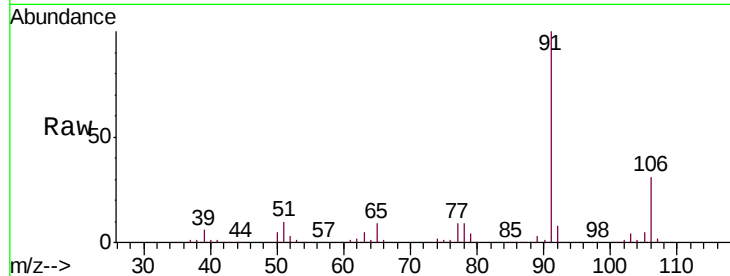
VICV66

Tgt Ion: 91 Resp: 197337

Ion Ratio Lower Upper

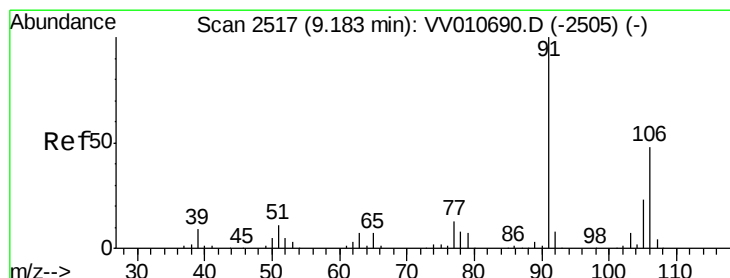
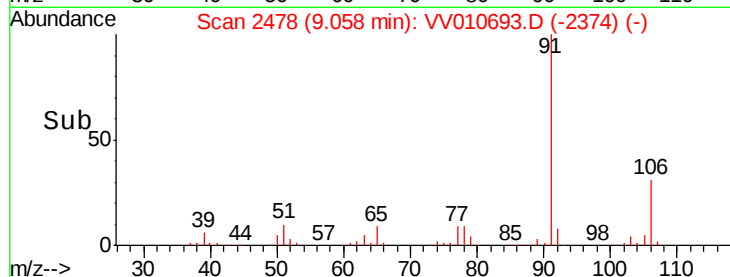
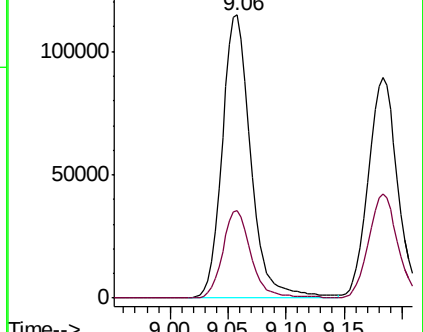
91 100

106 31.1 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV010693.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV010693.D (-2465) (-)



#54

m,p-Xylene

Concen: 25.500 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010693.D

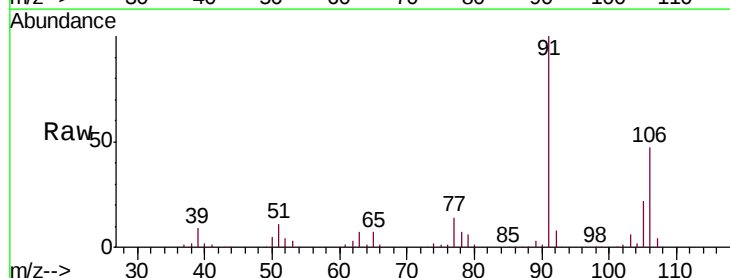
Acq: 07 May 2019 14:03

Tgt Ion: 106 Resp: 74140

Ion Ratio Lower Upper

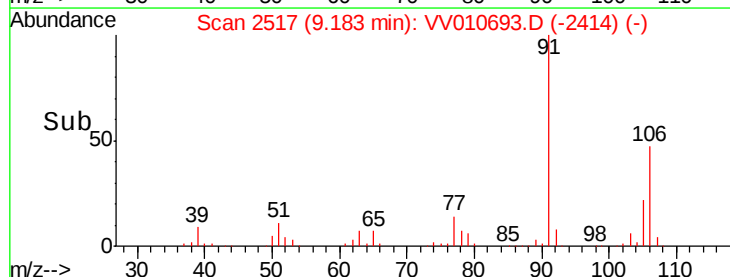
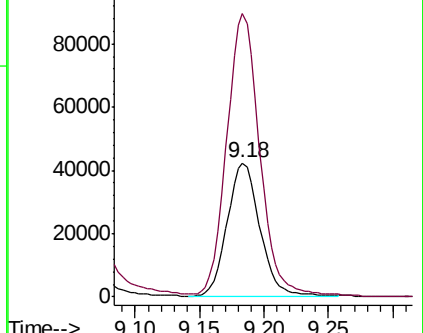
106 100

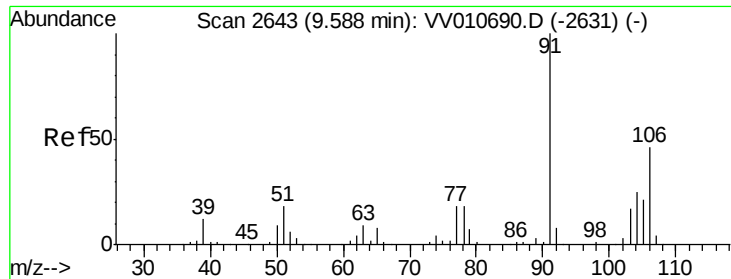
91 211.0 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): VV010693.D (-2414) (-)

Ion 91.00 (90.70 to 91.70): VV010693.D (-2414) (-)

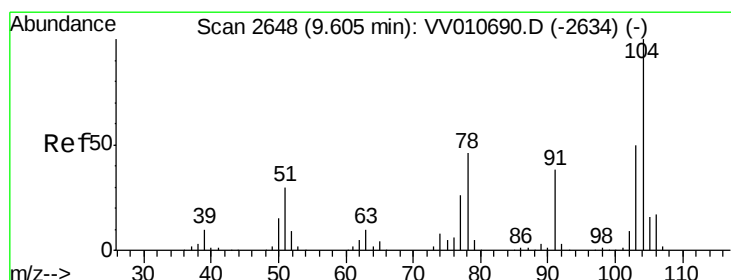
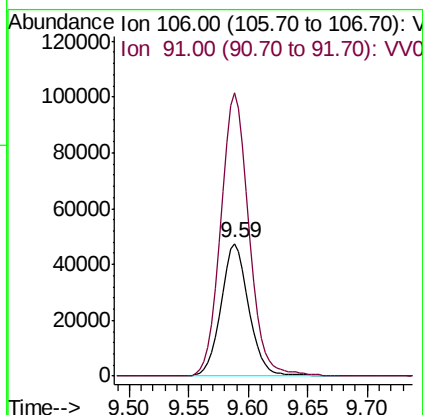
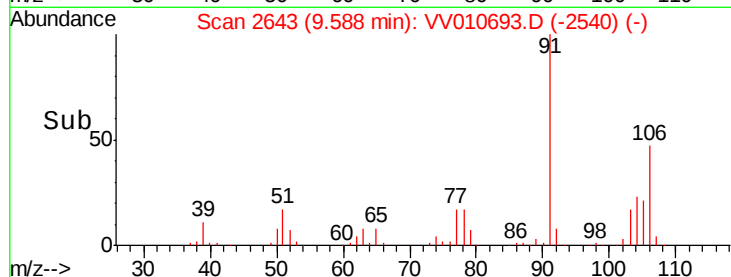
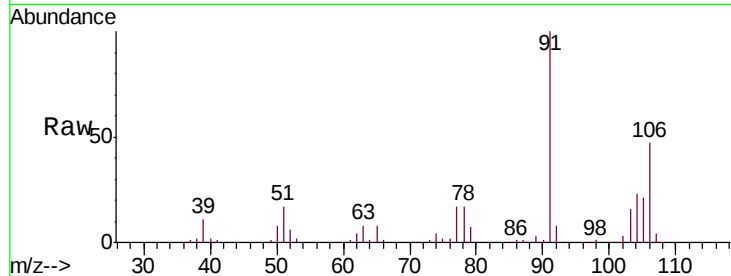




#55
o-xylene
Concen: 26.653 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV010693.D
Acq: 07 May 2019 14:03

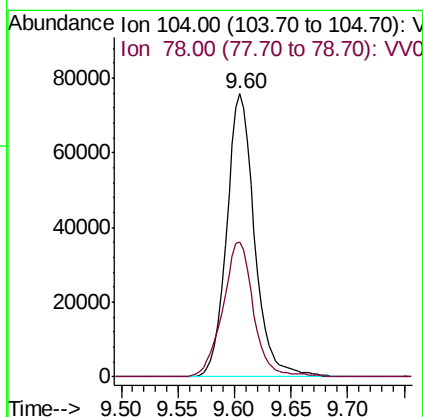
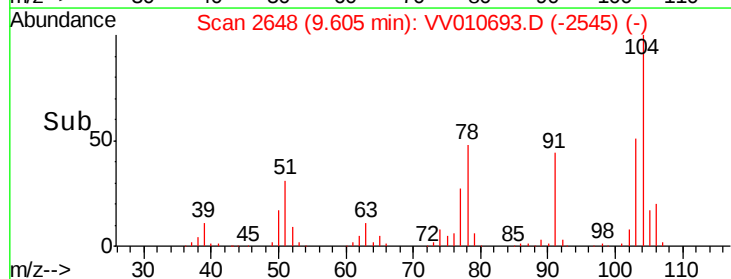
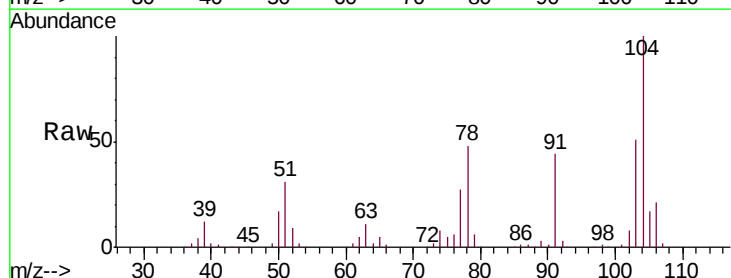
Instrument :
MSVOA_V
ClientSampleId :
VICV66

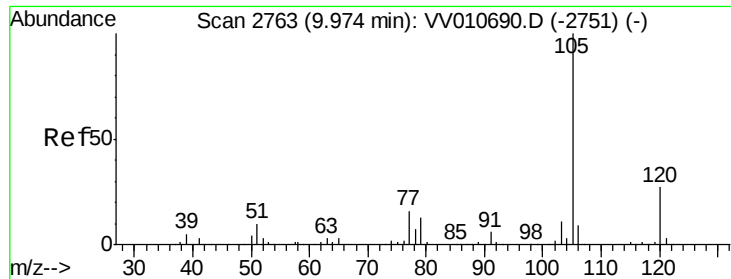
Tgt Ion:106 Resp: 76863
Ion Ratio Lower Upper
106 100
91 213.1 151.0 280.4



#56
Styrene
Concen: 26.617 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010693.D
Acq: 07 May 2019 14:03

Tgt Ion:104 Resp: 129830
Ion Ratio Lower Upper
104 100
78 47.8 32.2 59.8





#57

Isopropylbenzene

Concen: 25.009 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

Instrument :

MSVOA_V

ClientSampleId :

VICV66

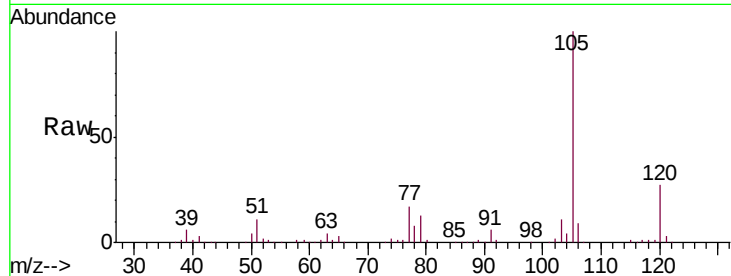
Tgt Ion: 105 Resp: 192432

Ion Ratio Lower Upper

105 100

120 26.8 20.9 31.3

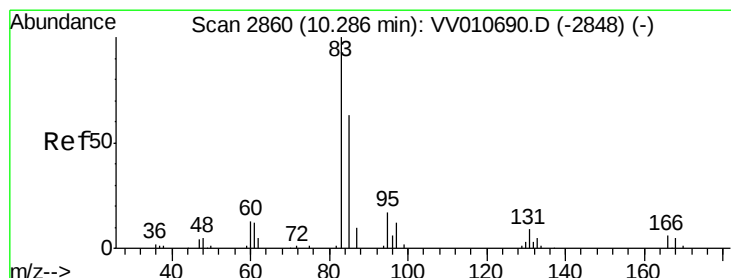
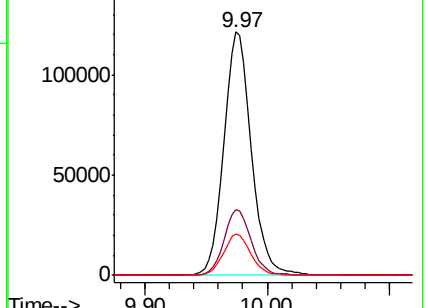
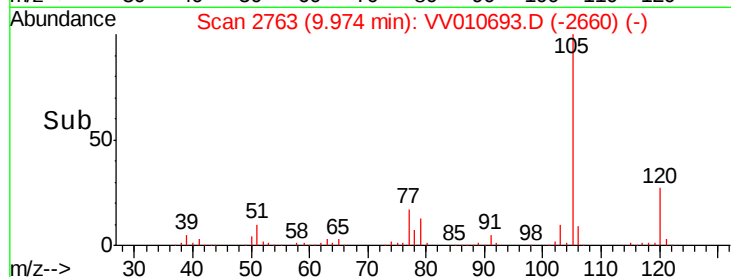
77 16.9 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.001 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

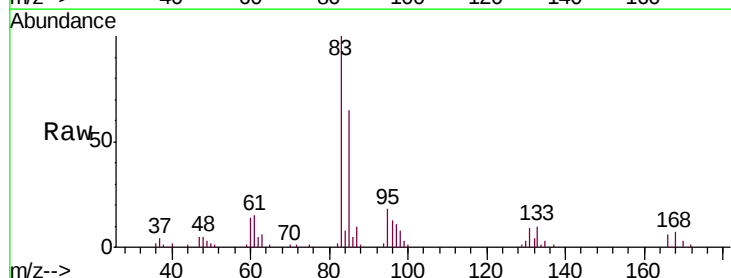
Tgt Ion: 83 Resp: 43993

Ion Ratio Lower Upper

83 100

85 64.8 44.6 82.8

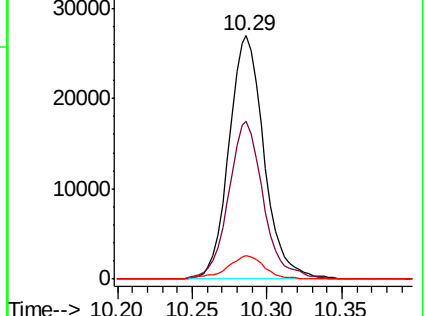
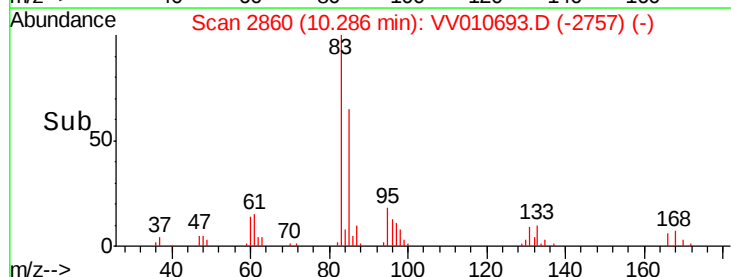
131 9.4 7.9 11.9

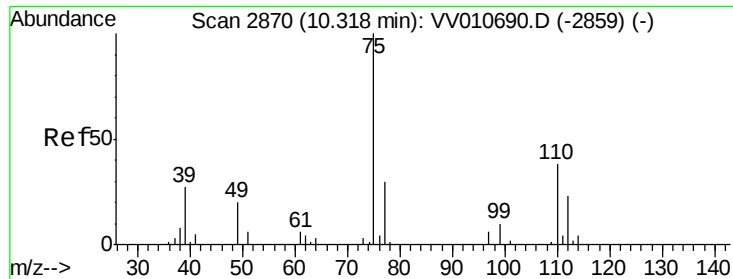


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.206 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

Instrument :

MSVOA_V

ClientSampleId :

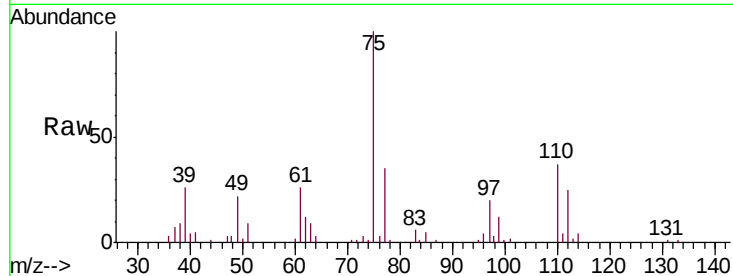
VICV66

Tgt Ion: 75 Resp: 33285

Ion Ratio Lower Upper

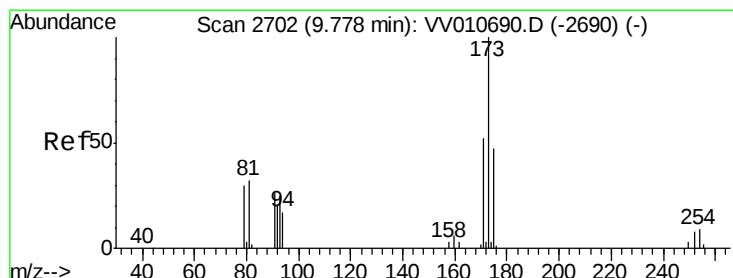
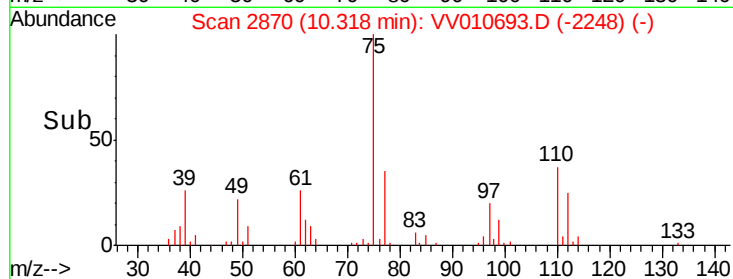
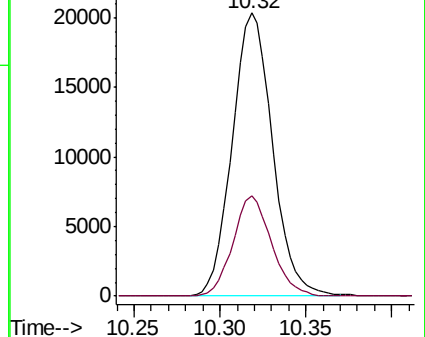
75 100

77 33.7 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VV010690.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV010690.D (-2859) (-)



#62

Bromoform

Concen: 24.157 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

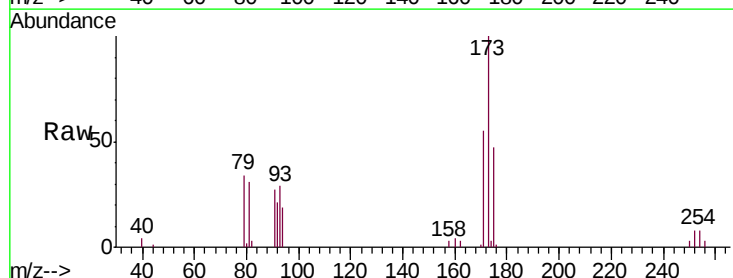
Tgt Ion: 173 Resp: 20773

Ion Ratio Lower Upper

173 100

175 46.1 38.6 58.0

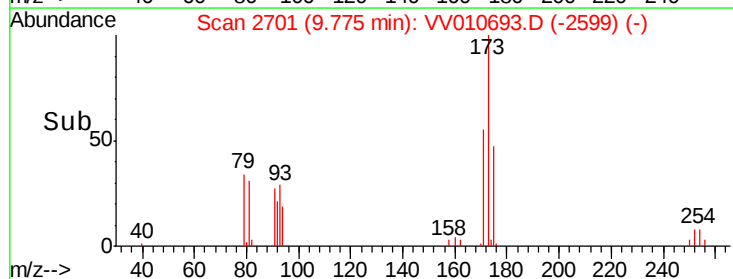
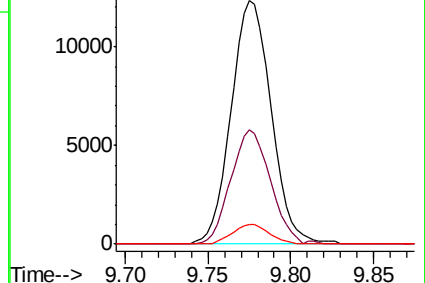
254 7.5 6.5 9.7

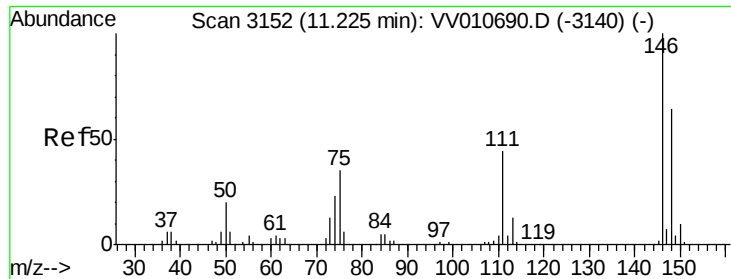


Abundance Ion 173.00 (172.70 to 173.70): VV010690.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV010690.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV010690.D (-2690) (-)





#63

1,3-Dichlorobenzene

Concen: 24.292 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

Instrument :

MSVOA_V

ClientSampleId :

VICV66

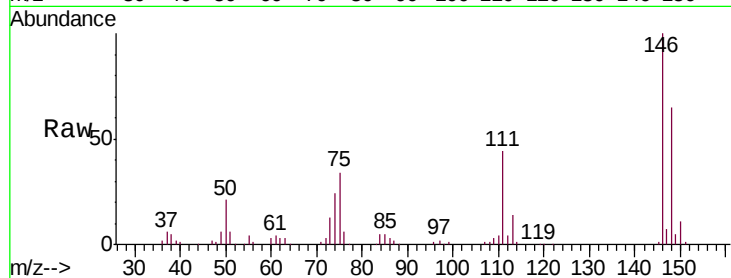
Tgt Ion:146 Resp: 85394

Ion Ratio Lower Upper

146 100

111 43.7 30.6 56.8

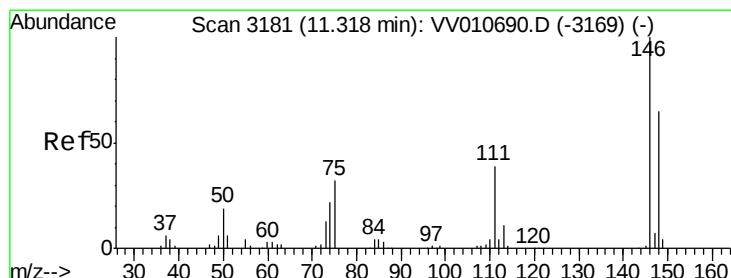
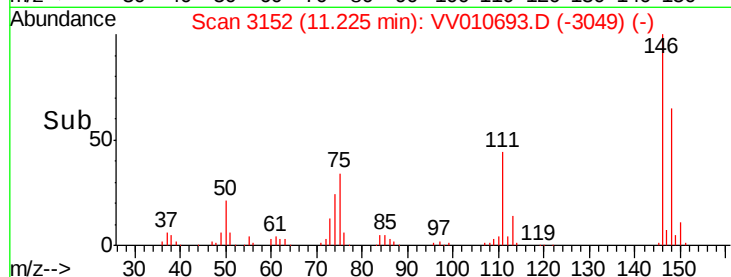
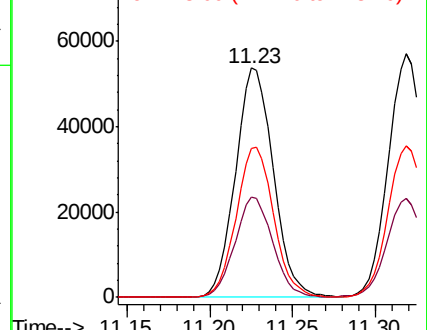
148 64.9 44.9 83.5



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



#64

1,4-Dichlorobenzene

Concen: 24.834 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

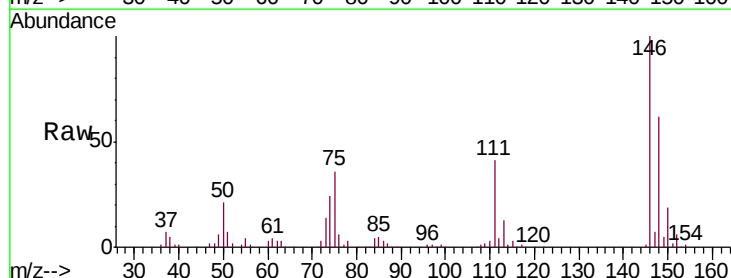
Tgt Ion:146 Resp: 89173

Ion Ratio Lower Upper

146 100

111 40.7 27.4 50.8

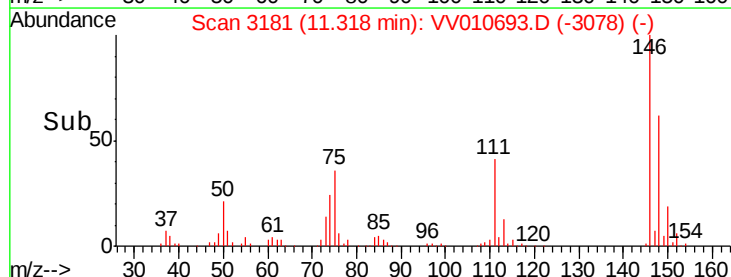
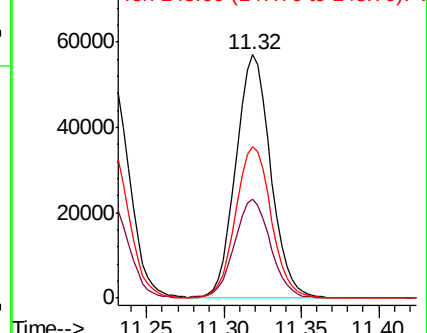
148 62.1 45.1 83.9

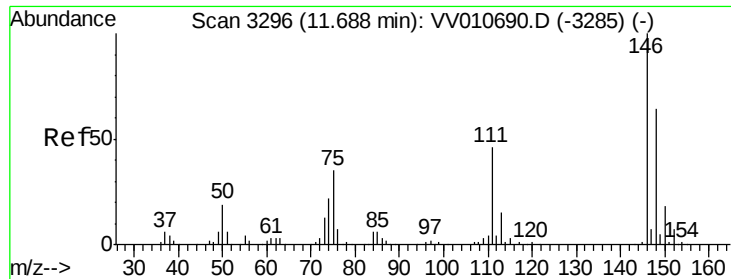


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 24.952 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

Instrument :

MSVOA_V

ClientSampleId :

VICV66

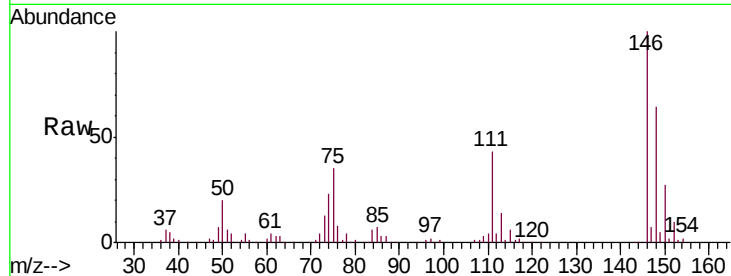
Tgt Ion: 146 Resp: 85190

Ion Ratio Lower Upper

146 100

111 42.9 37.0 55.4

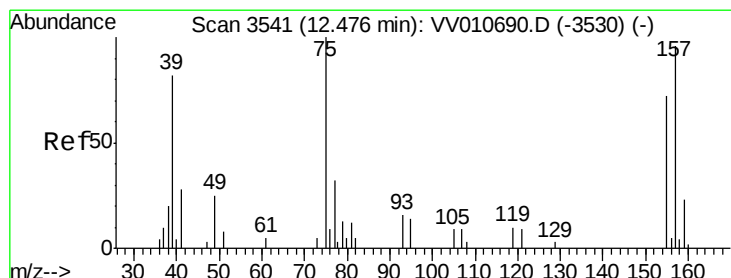
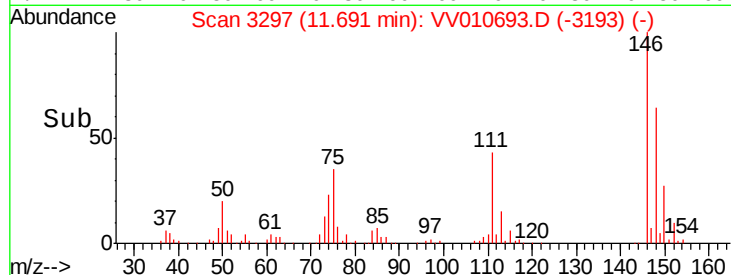
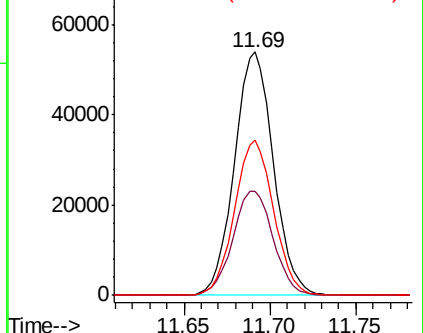
148 63.7 51.3 76.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 22.966 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

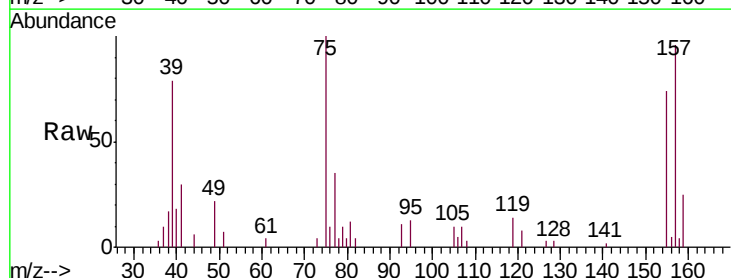
Tgt Ion: 75 Resp: 7276

Ion Ratio Lower Upper

75 100

157 95.8 76.9 115.3

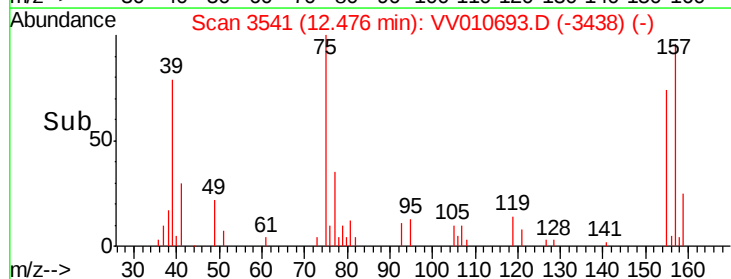
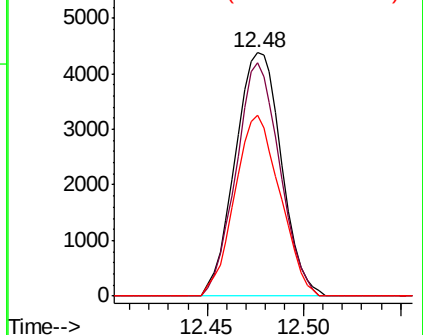
155 74.1 57.9 86.9

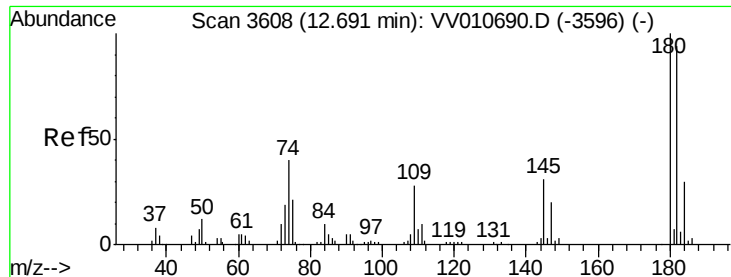


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

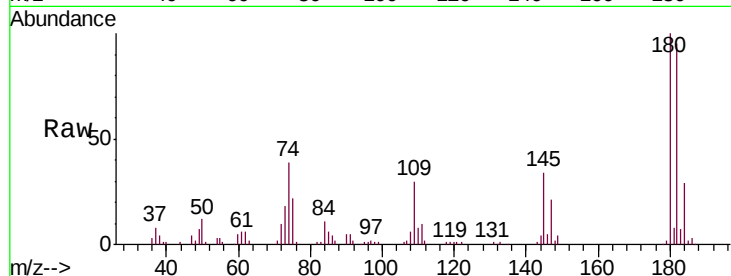




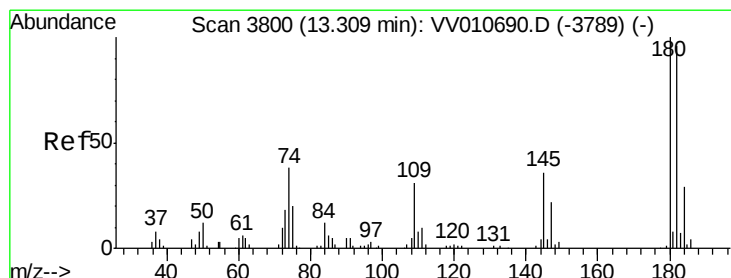
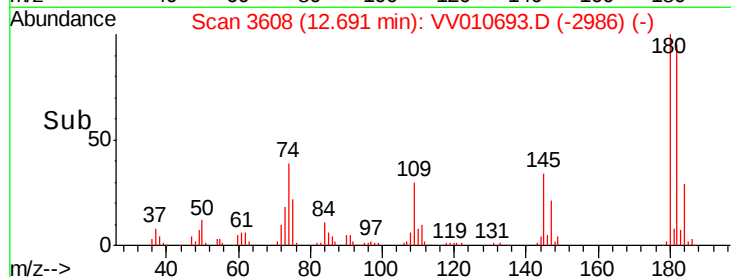
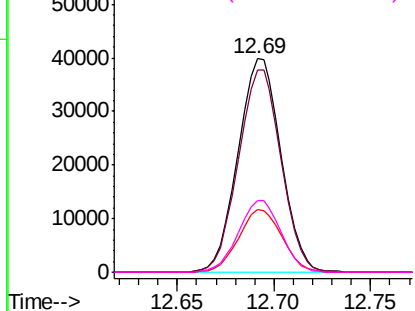
#67
 1,3,5-Trichlorobenzene
 Concen: 24.312 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010693.D
 Acq: 07 May 2019 14:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

Tgt Ion:180 Resp: 61562
 Ion Ratio Lower Upper
 180 100
 182 94.2 74.7 112.1
 184 29.7 23.7 35.5
 145 33.3 26.0 39.0

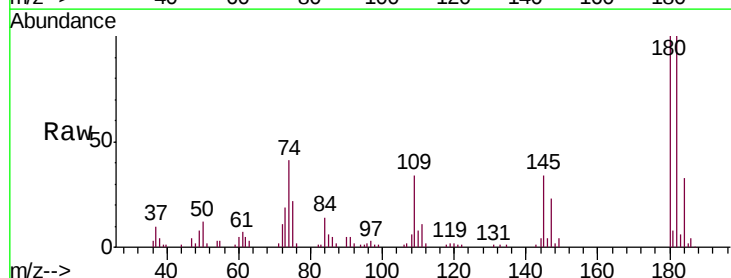


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

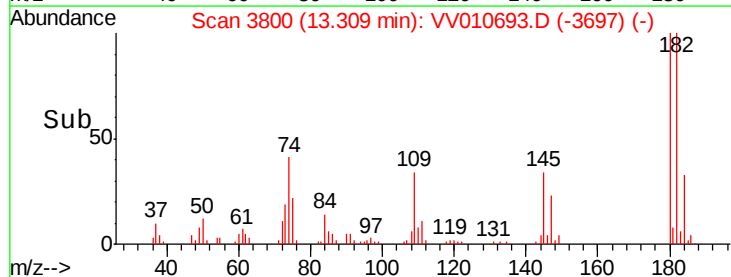
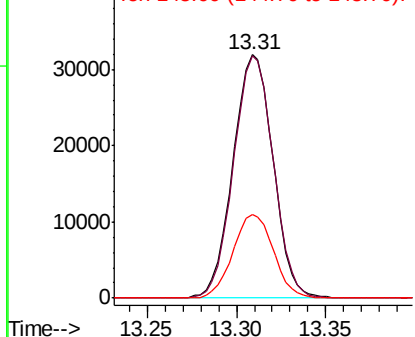


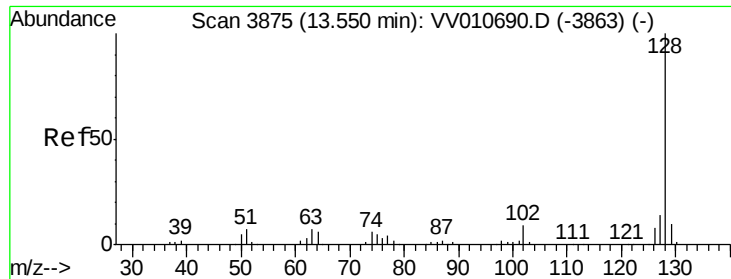
#68
 1,2,4-trichlorobenzene
 Concen: 25.502 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010693.D
 Acq: 07 May 2019 14:03

Tgt Ion:180 Resp: 49965
 Ion Ratio Lower Upper
 180 100
 182 98.4 77.1 115.7
 145 34.6 28.3 42.5



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





#69

Naphthalene

Concen: 26.630 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

Instrument :

MSVOA_V

ClientSampleId :

VICV66

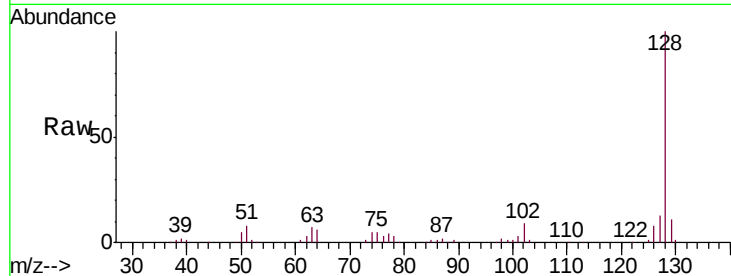
Tgt Ion:128 Resp: 111680

Ion Ratio Lower Upper

128 100

129 10.9 8.3 12.5

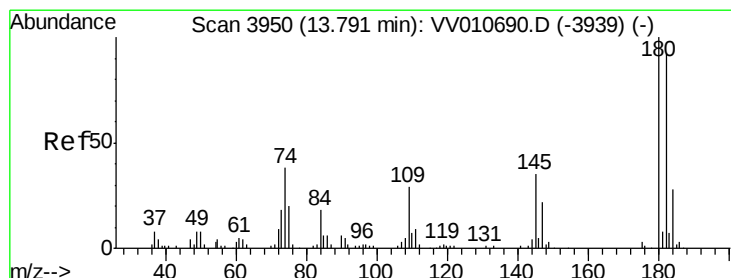
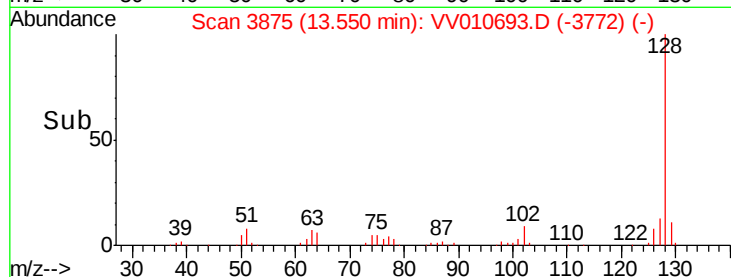
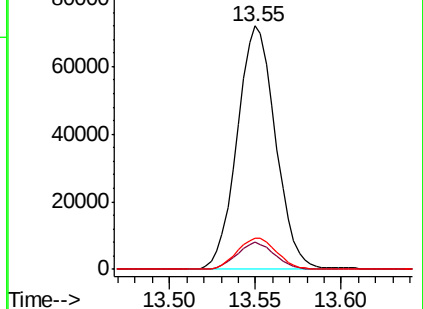
127 13.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.484 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV010693.D

Acq: 07 May 2019 14:03

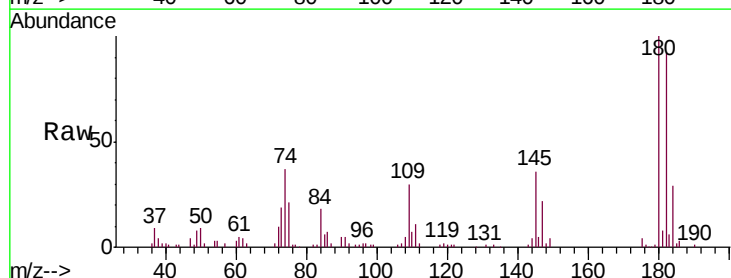
Tgt Ion:180 Resp: 48673

Ion Ratio Lower Upper

180 100

182 95.0 74.3 111.5

145 36.0 28.5 42.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

