

Data File : VV011952.D
Acq On : 22 Jul 2019 16:52
Operator : SY/MD
Sample : VSTD02035
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

Quant Time: Jul 23 06:56:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 23 06:51:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	149995	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	139858	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	75479	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	146752	13.98	ug/L	0.00
7) Chloroethane-d5	1.58	69	115183	13.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	306454	17.30	ug/L	0.00
20) 2-Butanone-d5	3.96	46	468545	173.07	ug/L	0.00
24) Chloroform-d	4.40	84	391111	17.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	203918	18.15	ug/L	0.00
32) Benzene-d6	5.10	84	787046	19.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	222552	18.13	ug/L	0.00
41) Toluene-d8	7.36	98	739100	19.95	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	95868	20.78	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	394917	213.69	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	155747	19.90	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	283937	18.71	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	295829	19.079	ug/L	99
3) Chloromethane	1.25	50	170489	12.399	ug/L	97
5) Vinyl chloride	1.32	62	178770	13.398	ug/L	97
6) Bromomethane	1.54	94	109151	13.920	ug/L	97
8) Chloroethane	1.60	64	101327	13.369	ug/L	99
9) Trichlorofluoromethane	1.77	101	328994	18.382	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	145114	17.149	ug/L	99
12) 1,1-Dichloroethene	2.14	96	133221	17.114	ug/L	90
13) Acetone	2.22	43	215035	154.600	ug/L	100
14) Carbon disulfide	2.32	76	381638	17.177	ug/L	100
15) Methyl Acetate	2.47	43	45373	15.840	ug/L	93
16) Methylene chloride	2.53	84	129266	15.715	ug/L	97
17) Methyl tert-butyl Ether	2.81	73	468748	19.444	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	206965	18.555	ug/L	98
19) 1,1-Dichloroethane	3.23	63	373807	17.887	ug/L	98
21) 2-Butanone	4.04	43	476805	176.915	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	224505	19.293	ug/L	97
23) Bromochloromethane	4.30	128	94328	19.793	ug/L	99
25) Chloroform	4.43	83	419859	18.325	ug/L	97
27) 1,2-Dichloroethane	5.18	62	249771	18.735	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	366896	21.082	ug/L	100
30) Cyclohexane	4.72	56	346856	19.364	ug/L	99
31) Carbon tetrachloride	4.87	117	338328	22.061	ug/L	100
33) Benzene	5.15	78	833952	19.238	ug/L	100
34) Trichloroethene	5.96	95	231814	19.207	ug/L	99
35) Methylcyclohexane	6.18	83	378423	20.641	ug/L	97
37) 1,2-Dichloropropane	6.22	63	196794	18.958	ug/L	98
38) Bromodichloromethane	6.56	83	272362	20.676	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	320783	21.942	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	1153008	185.554	ug/L	99

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42) Toluene	7.43	91	911228	19.984	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	252996	21.725	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	137690	19.141	ug/L	99
47) Tetrachloroethene	8.02	164	197719	21.619	ug/L	98
48) 2-Hexanone	8.19	43	814557	183.594	ug/L	99
49) Dibromochloromethane	8.29	129	181035	22.677	ug/L	98
50) 1,2-Dibromoethane	8.40	107	132643	20.022	ug/L	99
51) Chlorobenzene	8.92	112	585190	20.140	ug/L	99
52) Ethylbenzene	9.05	91	1055854	20.870	ug/L	100
53) m,p-xylene	9.18	106	400570	21.163	ug/L	99
54) o-xylene	9.59	106	385907	21.937	ug/L	99
55) Styrene	9.60	104	657659	21.959	ug/L	99
56) Isopropylbenzene	9.97	105	1065156	21.867	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	149727	21.481	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	114739	18.197	ug/L	100
61) Bromoform	9.77	173	98169	22.398	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	490408	19.887	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	496768	19.639	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	451344	19.650	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	26719	20.549	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	410459	21.086	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	351067	22.755	ug/L	100
69) Naphthalene	13.55	128	555277	23.472	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	310514	22.225	ug/L	99

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

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MSVOA_V
ClientSampleId :
VSTD02035

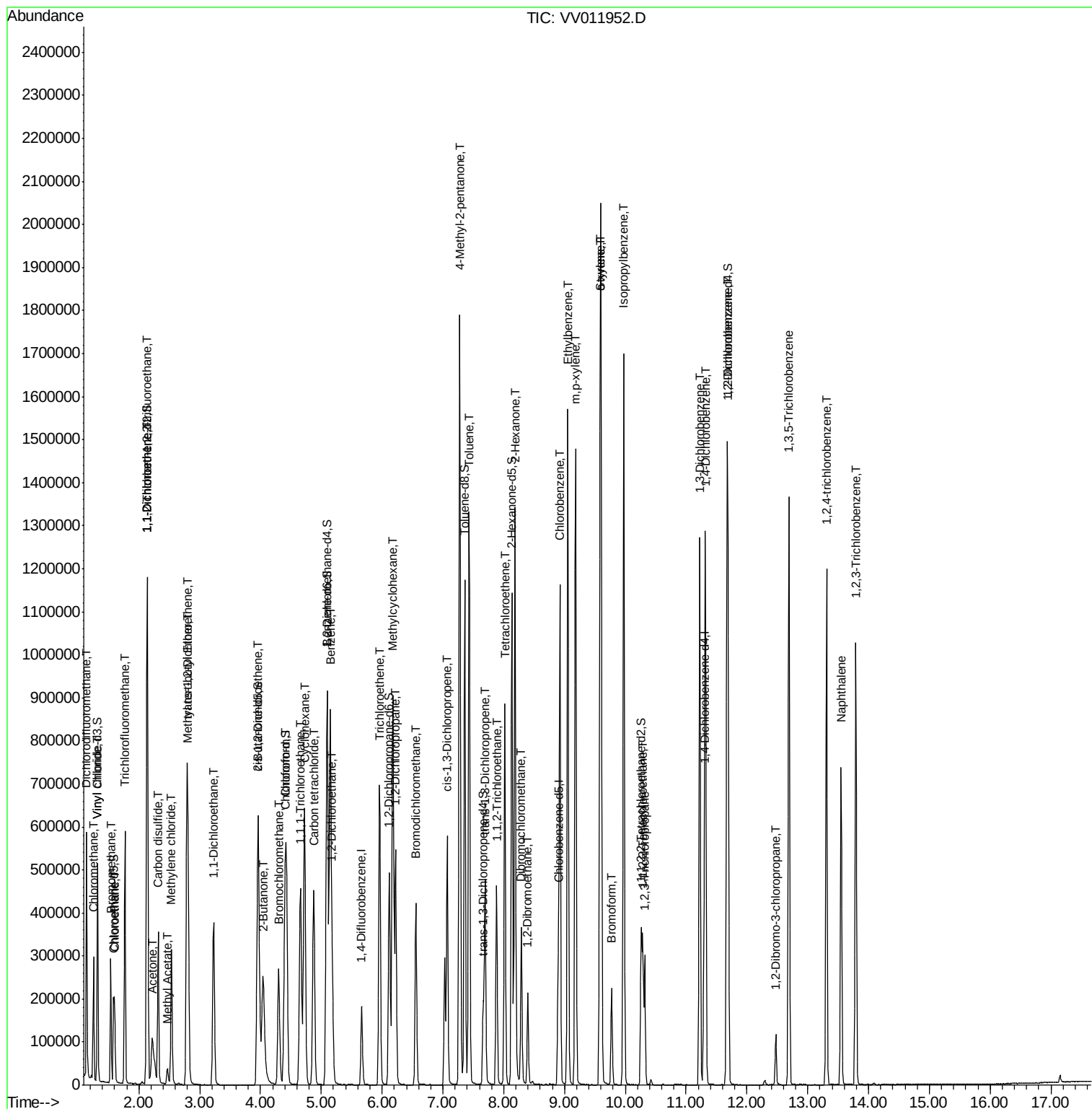
Quant Time: Jul 23 06:56:07 2019

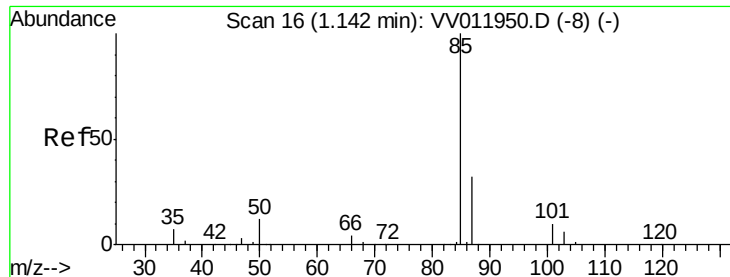
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR072219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Jul 23 06:51:58 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 19.079 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

Instrument :

MSVOA_V

ClientSampleId :

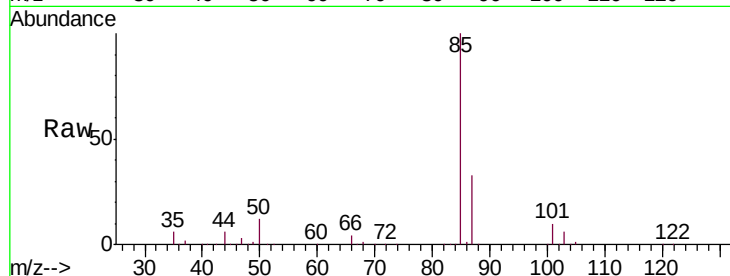
VSTD02035

Tgt Ion: 85 Resp: 295829

Ion Ratio Lower Upper

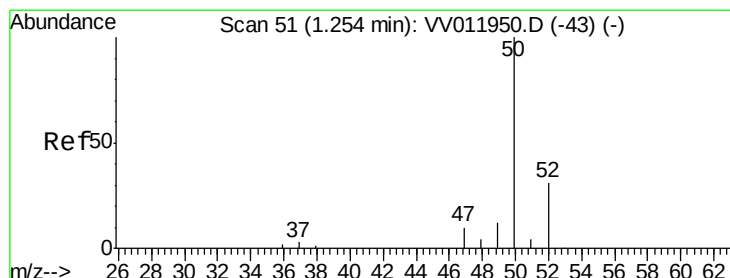
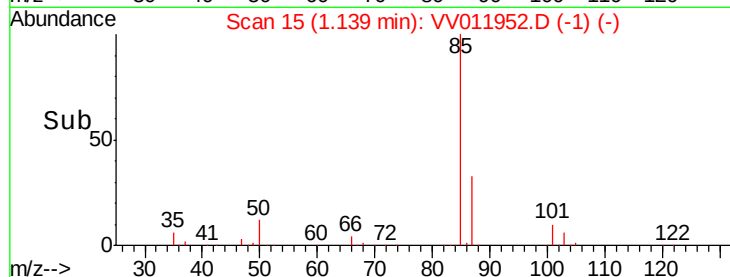
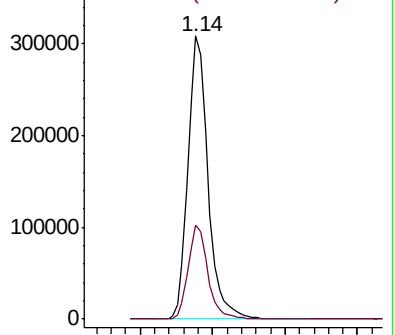
85 100

87 32.5 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 12.399 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV011952.D

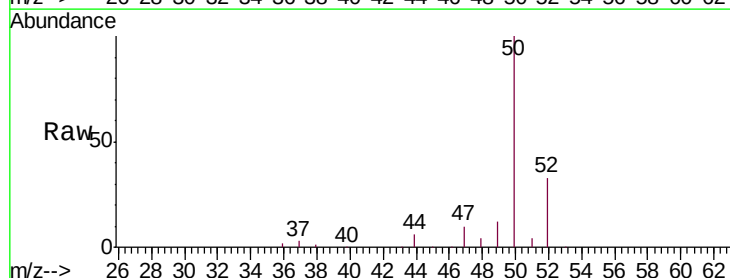
Acq: 22 Jul 2019 16:52

Tgt Ion: 50 Resp: 170489

Ion Ratio Lower Upper

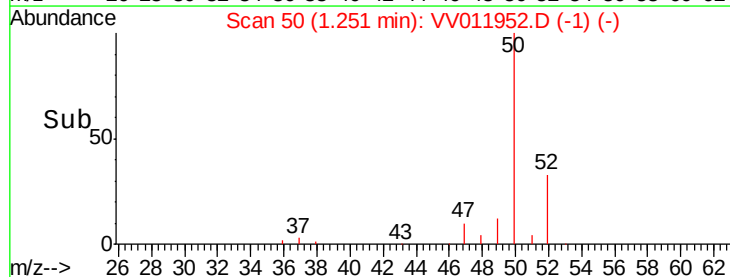
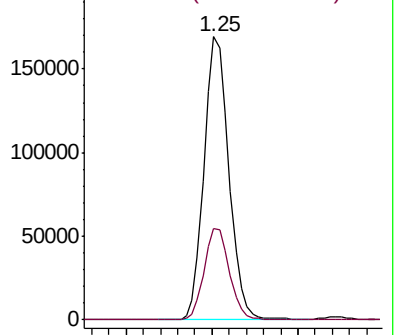
50 100

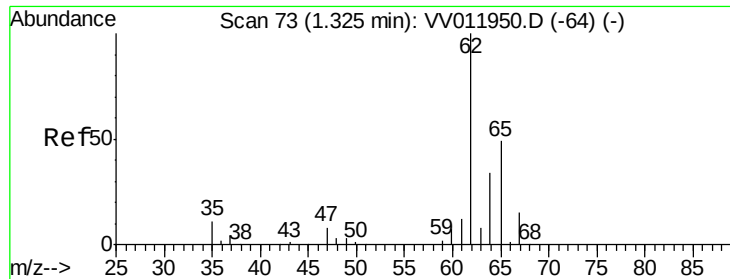
52 32.5 21.6 40.2



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 13.398 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

Instrument :

MSVOA_V

ClientSampleId :

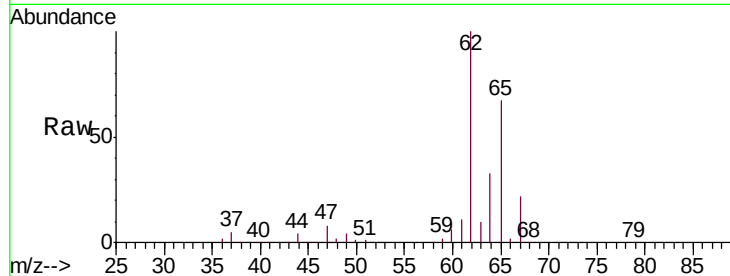
VSTD02035

Tgt Ion: 62 Resp: 178770

Ion Ratio Lower Upper

62 100

64 33.2 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

200000

150000

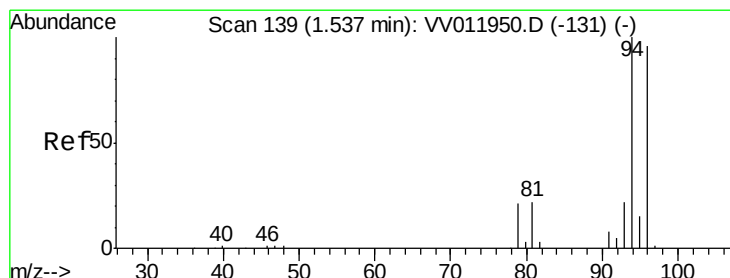
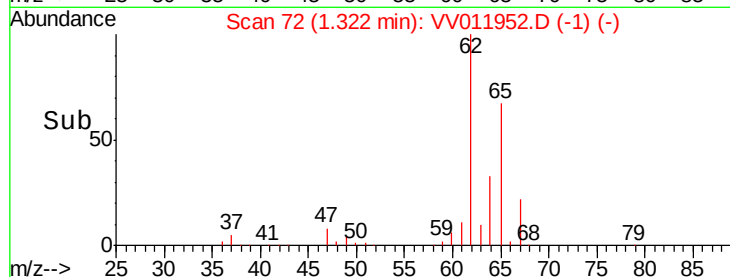
100000

50000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 13.920 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV011952.D

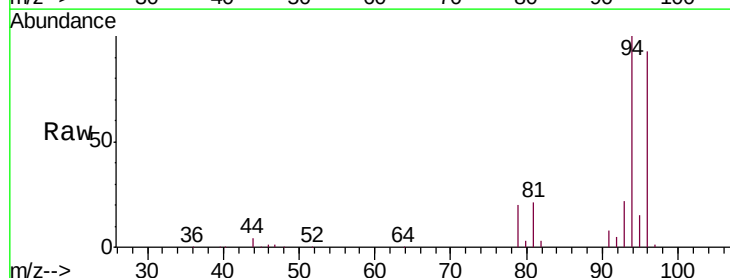
Acq: 22 Jul 2019 16:52

Tgt Ion: 94 Resp: 109151

Ion Ratio Lower Upper

94 100

96 93.5 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

100000

80000

60000

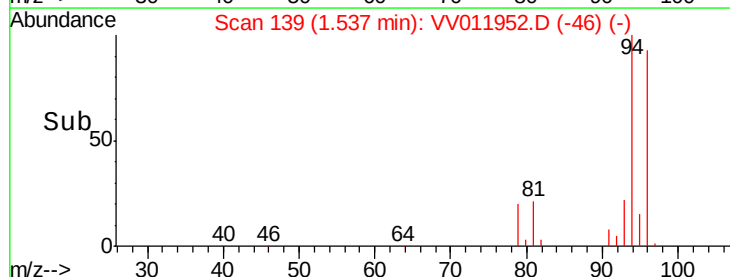
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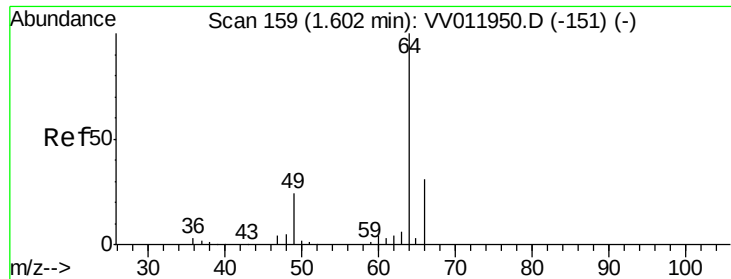
20000

0

Time-->

1.50 1.55 1.60 1.65





#8

Chloroethane

Concen: 13.369 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

Instrument :

MSVOA_V

ClientSampleId :

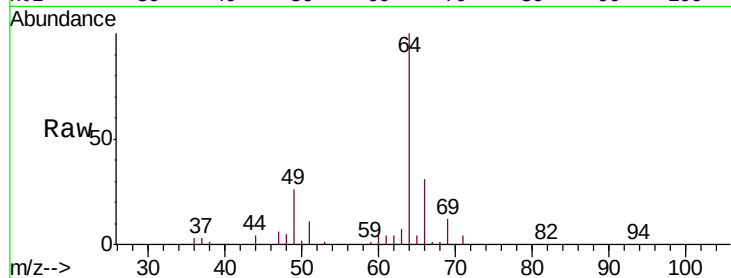
VSTD02035

Tgt Ion: 64 Resp: 101327

Ion Ratio Lower Upper

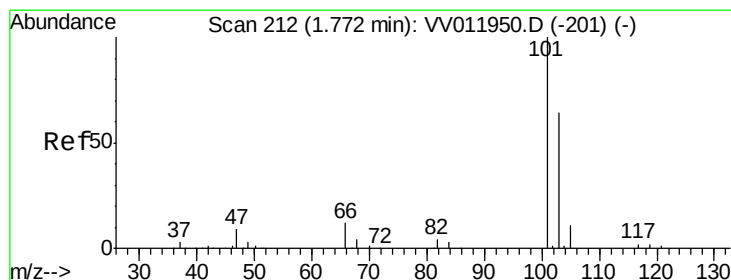
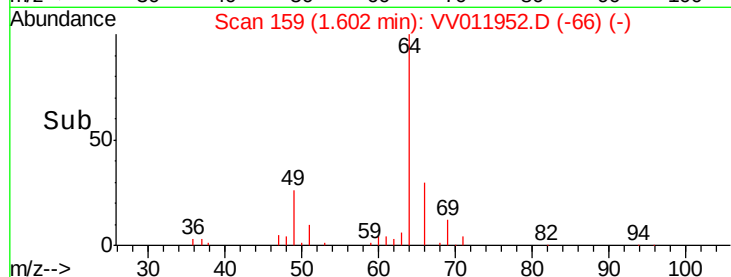
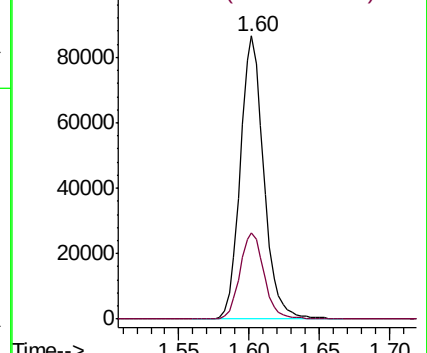
64 100

66 30.6 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV011950.D (-151) (-)

Ion 66.05 (65.75 to 66.75): VV011950.D (-151) (-)



#9

Trichlorofluoromethane

Concen: 18.382 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV011952.D

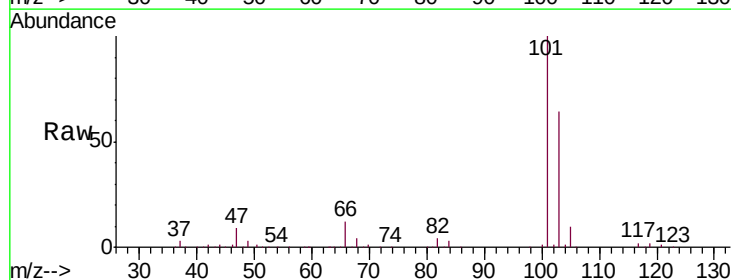
Acq: 22 Jul 2019 16:52

Tgt Ion: 101 Resp: 328994

Ion Ratio Lower Upper

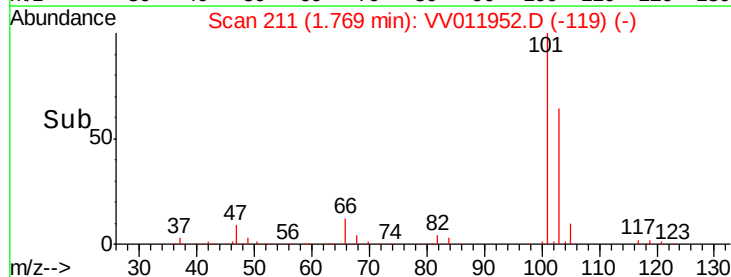
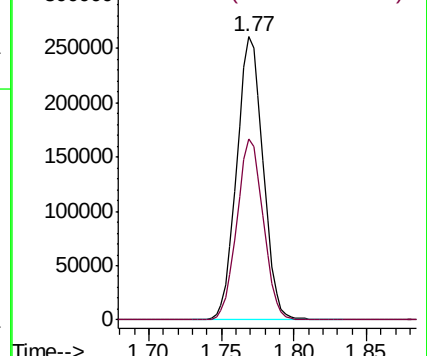
101 100

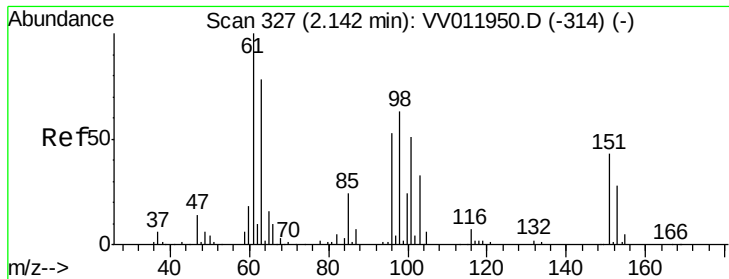
103 64.1 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): VV011950.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV011950.D (-201) (-)





#10

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

Concen: 17.149 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

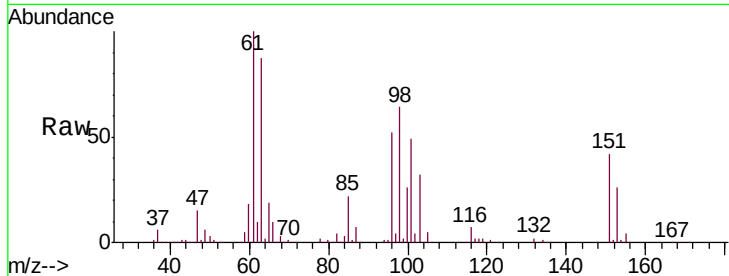
Tgt Ion: 101 Resp: 145114

Ion Ratio Lower Upper

101 100

85 45.1 37.0 55.6

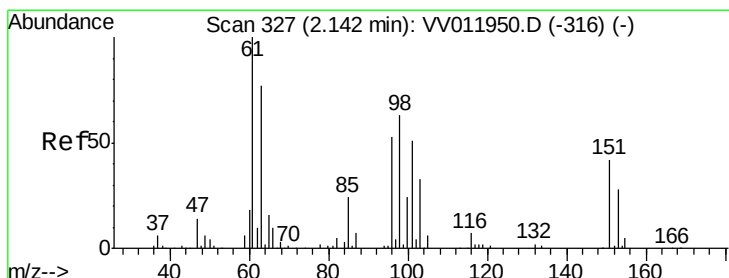
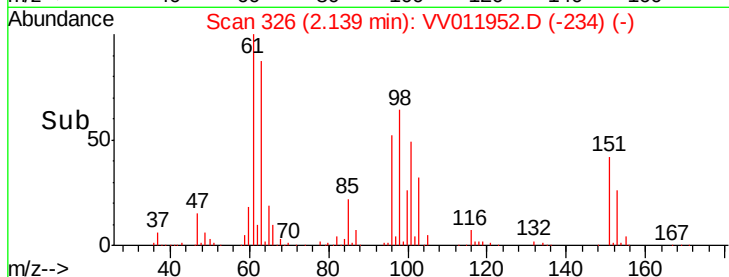
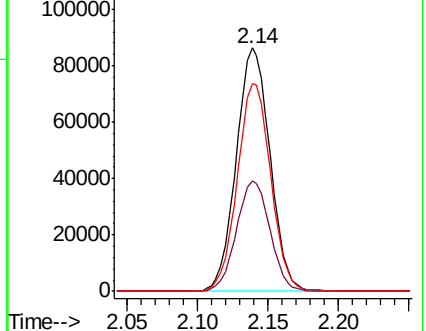
151 84.5 68.3 102.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 17.114 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

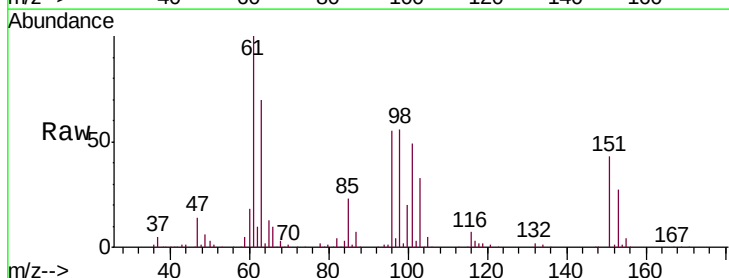
Tgt Ion: 96 Resp: 133221

Ion Ratio Lower Upper

96 100

61 181.9 132.7 246.5

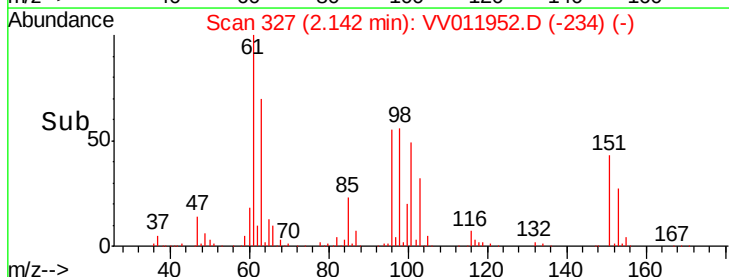
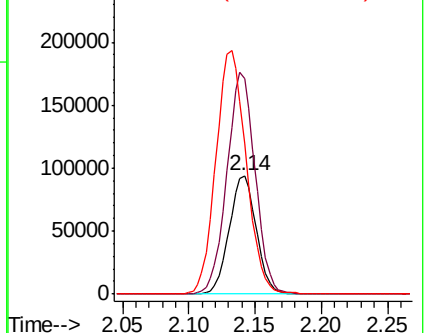
63 127.3 104.0 193.1

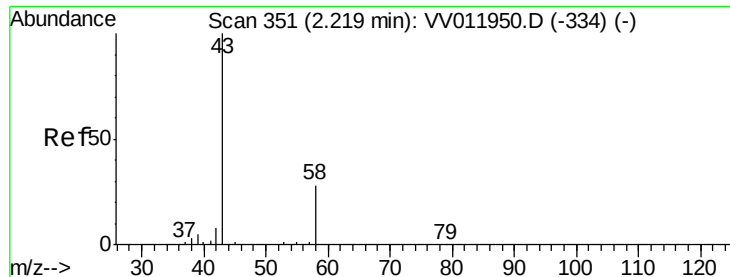


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 154.600 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

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ClientSampleId :

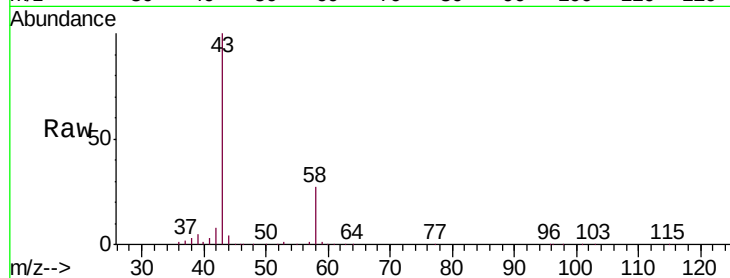
VSTD02035

Tgt Ion: 43 Resp: 215035

Ion Ratio Lower Upper

43 100

58 25.8 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VV011952.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV011952.D (-334) (-)

2.22

60000

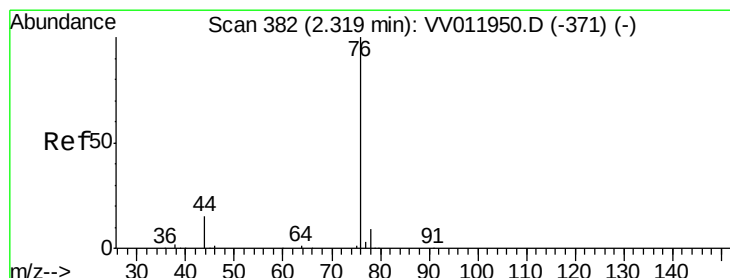
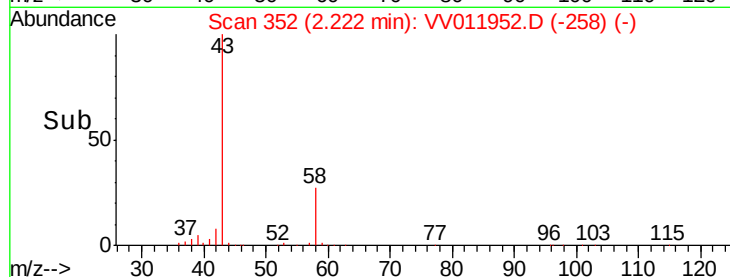
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20000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 17.177 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV011952.D

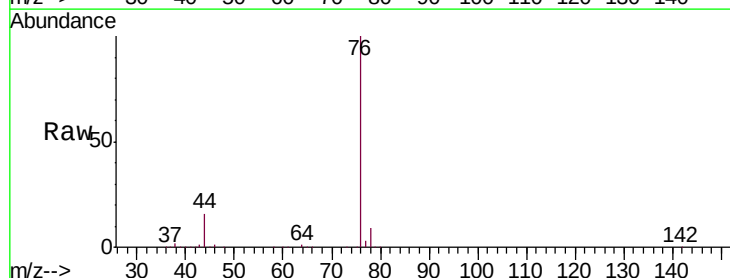
Acq: 22 Jul 2019 16:52

Tgt Ion: 76 Resp: 381638

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV011952.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV011952.D (-289) (-)

2.32

300000

250000

200000

150000

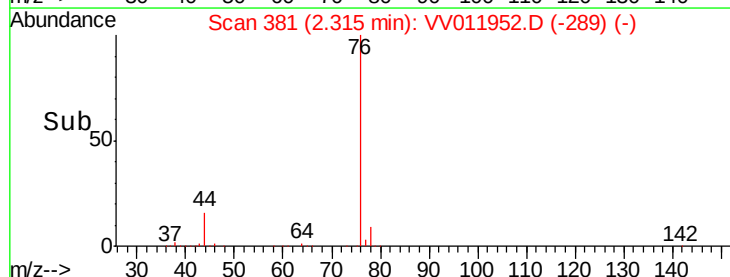
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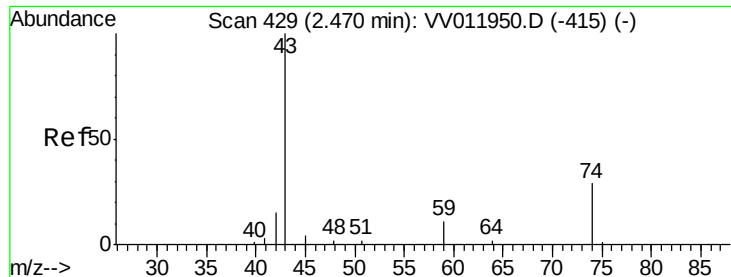
50000

0

Time-->

2.20 2.30 2.40

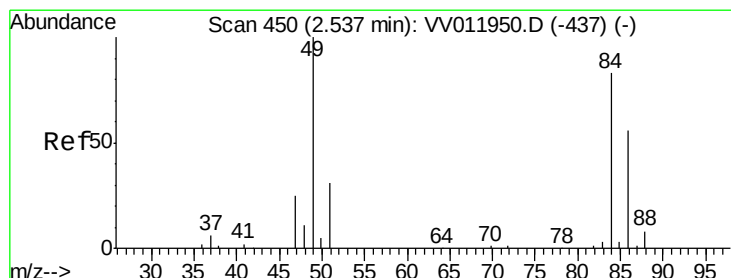
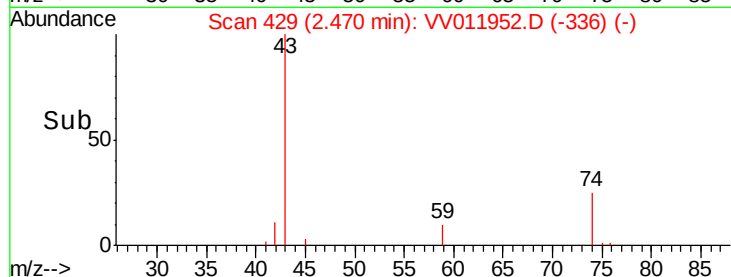
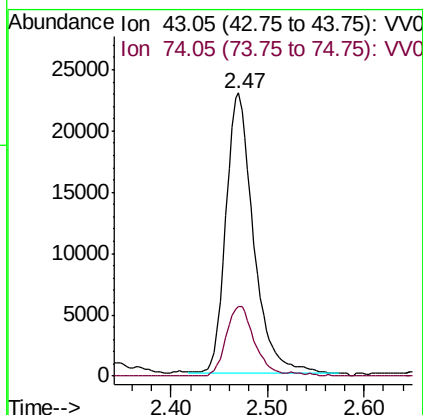
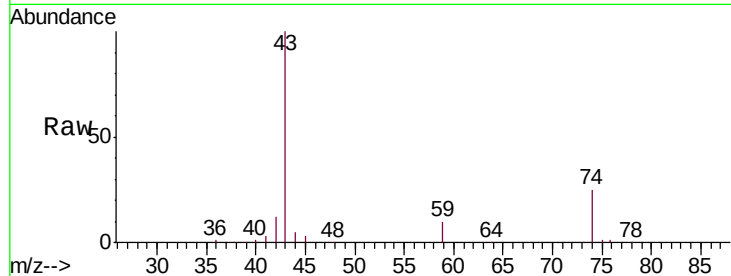




#15
Methyl Acetate
Concen: 15.840 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV011952.D
Acq: 22 Jul 2019 16:52

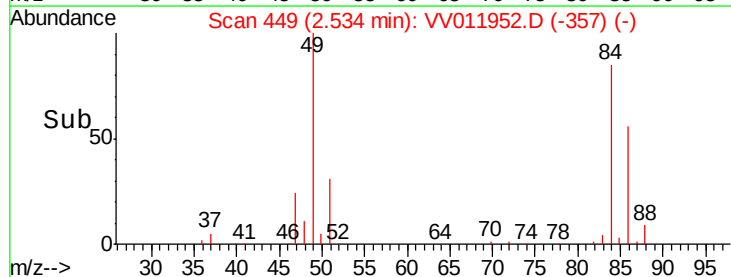
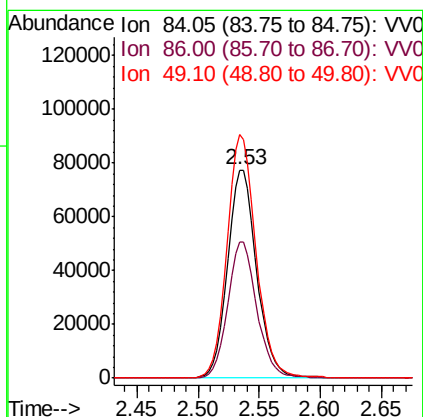
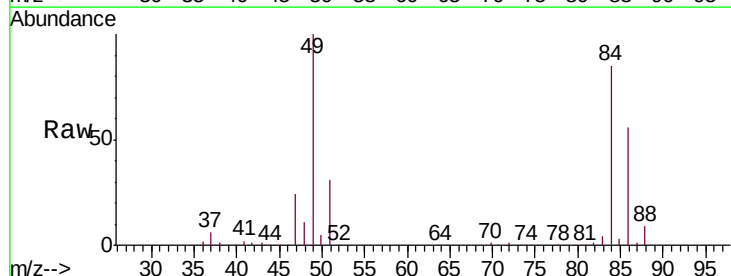
Instrument :
MSVOA_V
ClientSampled :
VSTD02035

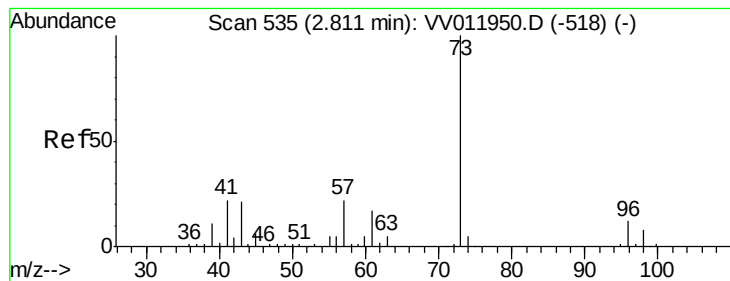
Tgt Ion: 43 Resp: 45373
Ion Ratio Lower Upper
43 100
74 25.4 23.4 35.2



#16
Methylene chloride
Concen: 15.715 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV011952.D
Acq: 22 Jul 2019 16:52

Tgt Ion: 84 Resp: 129266
Ion Ratio Lower Upper
84 100
86 65.6 47.6 88.4
49 117.1 84.3 156.5





#17

Methyl tert-butyl Ether

Concen: 19.444 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

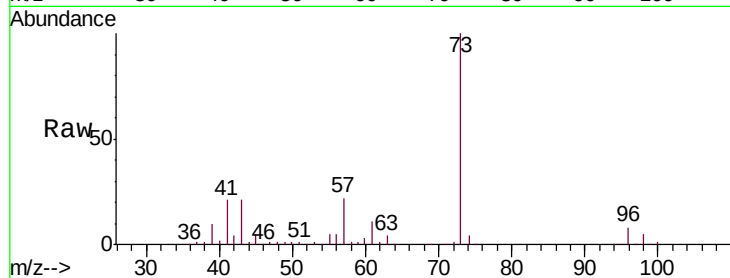
Tgt Ion: 73 Resp: 468748

Ion Ratio Lower Upper

73 100

43 20.7 17.0 25.4

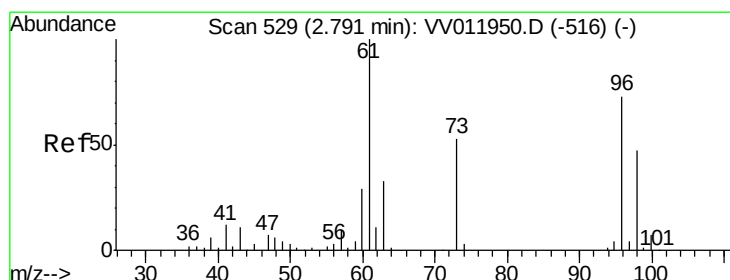
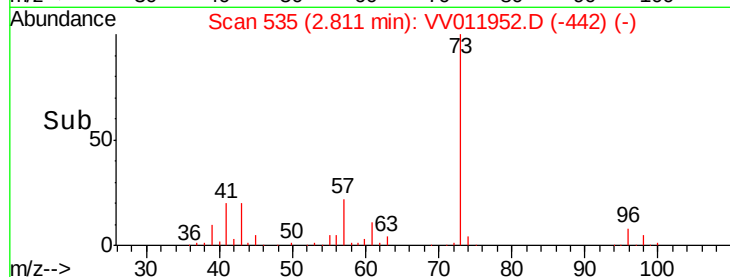
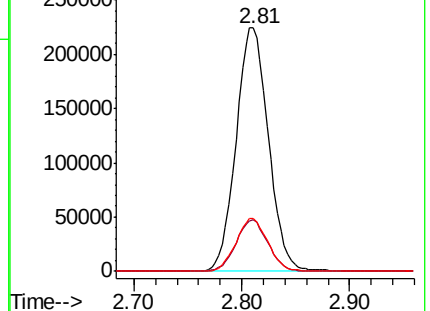
57 21.5 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 18.555 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

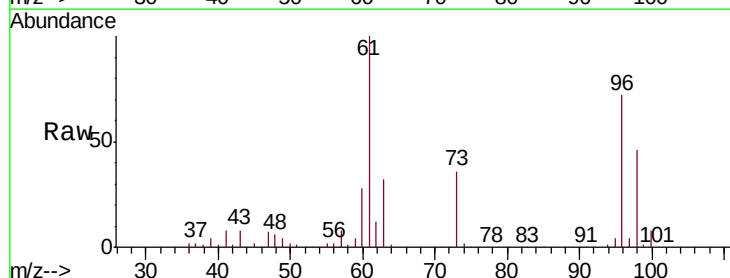
Tgt Ion: 96 Resp: 206965

Ion Ratio Lower Upper

96 100

61 139.6 95.4 177.2

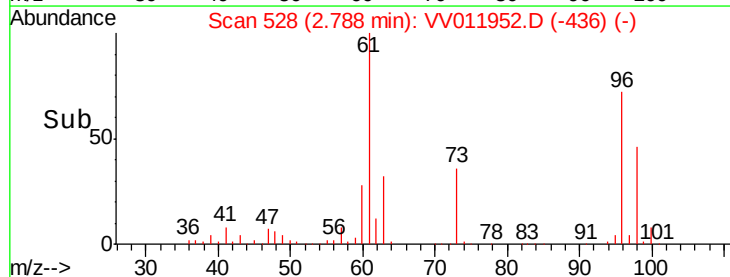
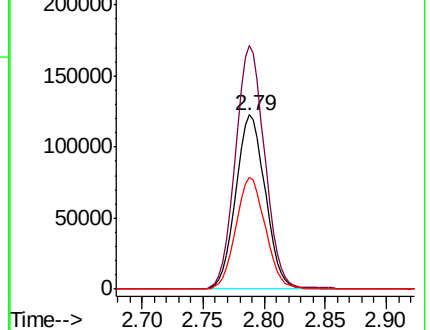
98 64.3 44.4 82.5

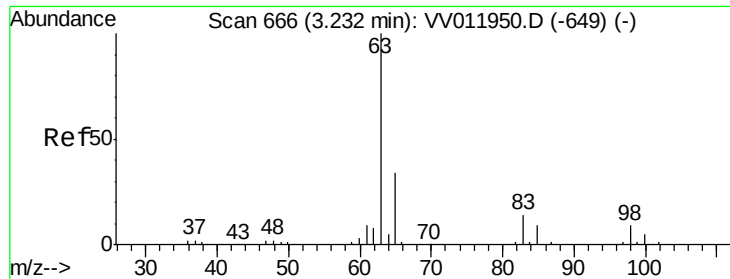


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

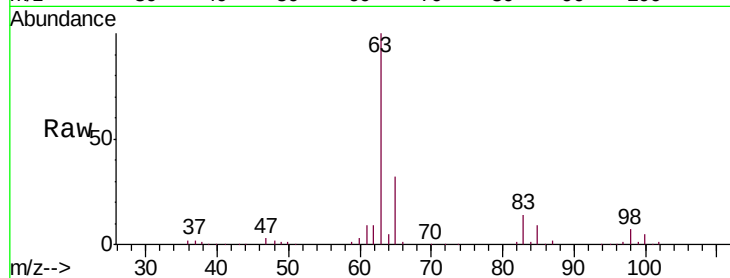




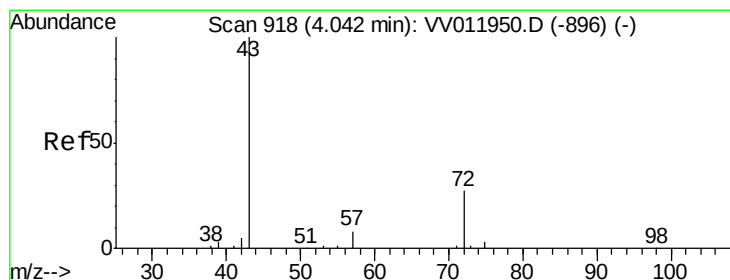
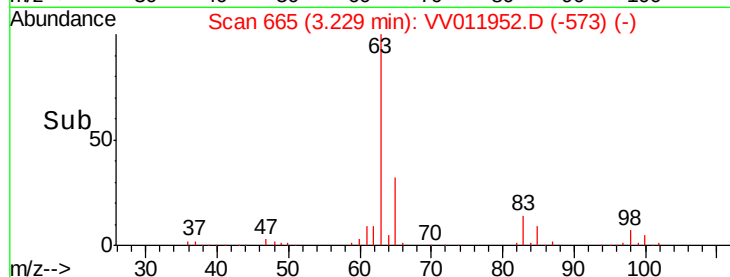
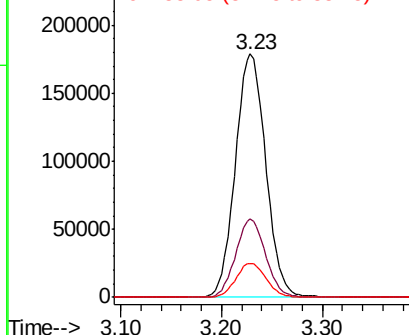
#19
 1,1-Dichloroethane
 Concen: 17.887 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV011952.D
 Acq: 22 Jul 2019 16:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

Tgt Ion: 63 Resp: 373807
 Ion Ratio Lower Upper
 63 100
 65 32.0 23.5 43.7
 83 14.1 9.7 18.1

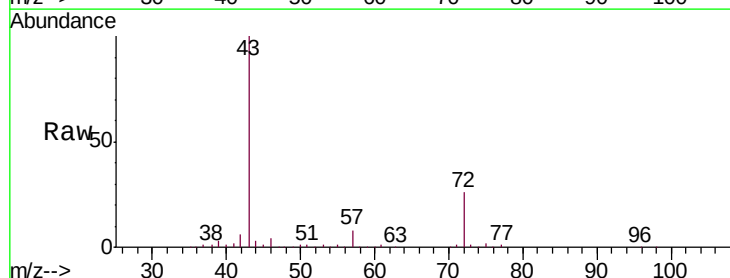


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

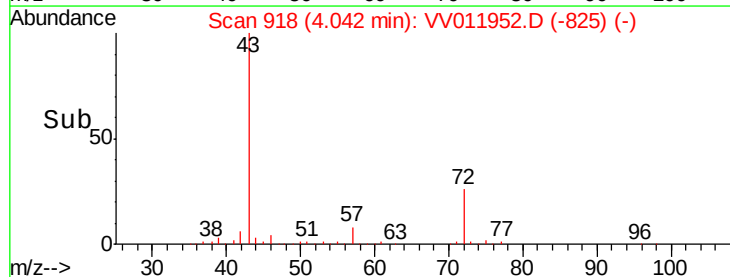
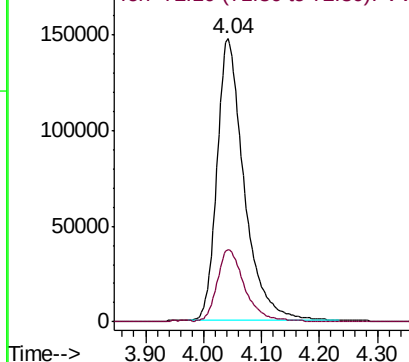


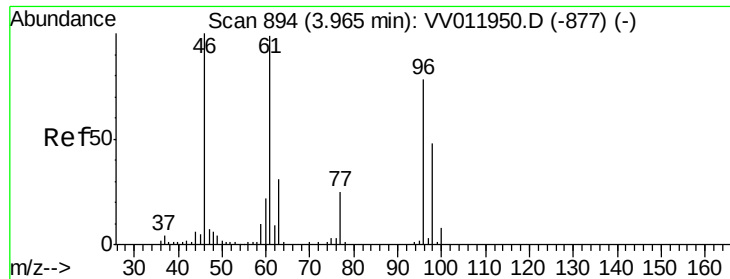
#21
 2-Butanone
 Concen: 176.915 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VV011952.D
 Acq: 22 Jul 2019 16:52

Tgt Ion: 43 Resp: 476805
 Ion Ratio Lower Upper
 43 100
 72 26.1 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



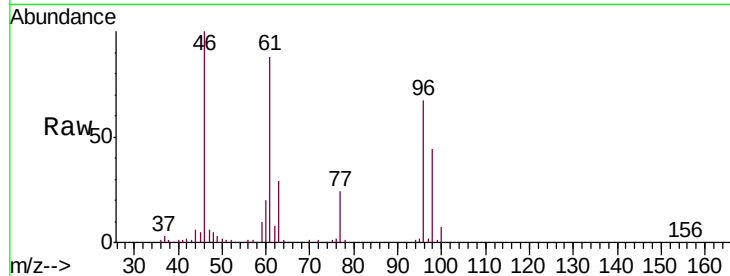


#22

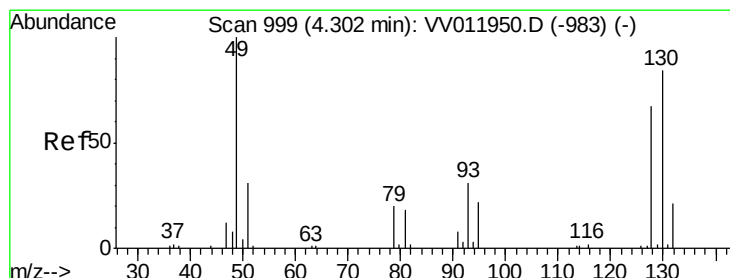
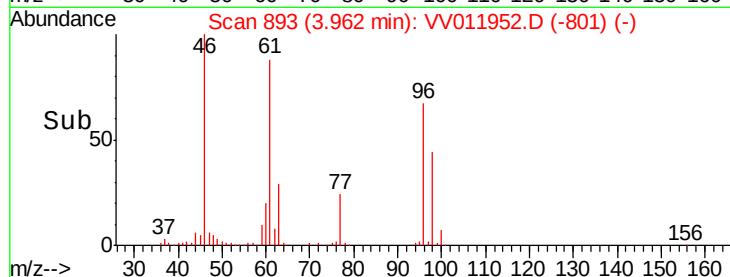
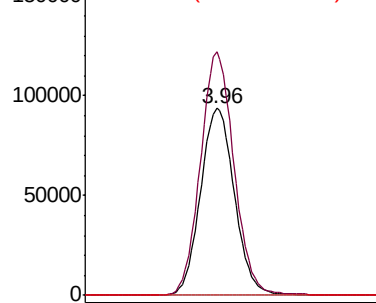
cis-1,2-Dichloroethene
 Concen: 19.293 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV011952.D
 Acq: 22 Jul 2019 16:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

Tgt Ion: 96 Resp: 224505
 Ion Ratio Lower Upper
 96 100
 61 130.1 89.0 165.2
 68 0.0 0.0 0.0



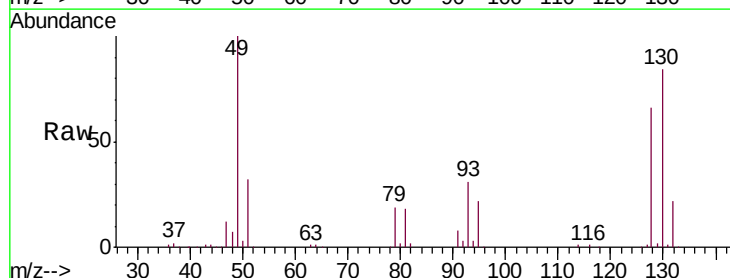
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



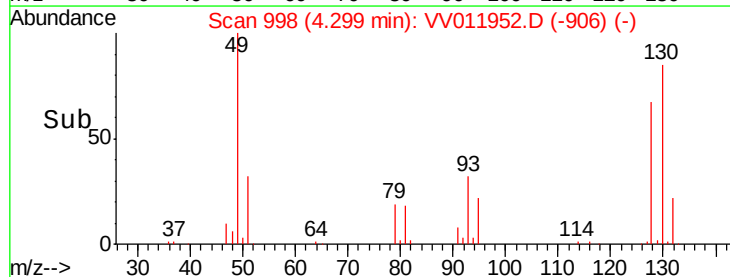
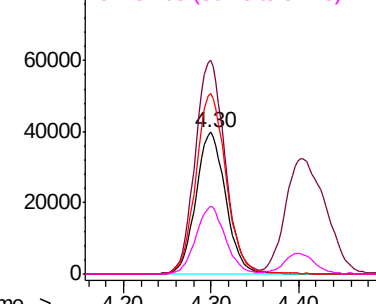
#23

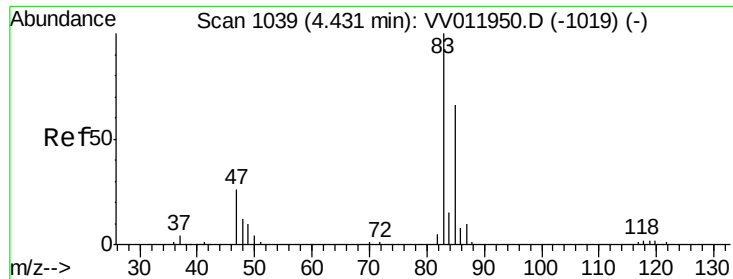
Bromochloromethane
 Concen: 19.793 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV011952.D
 Acq: 22 Jul 2019 16:52

Tgt Ion: 128 Resp: 94328
 Ion Ratio Lower Upper
 128 100
 49 150.9 105.5 195.9
 130 127.5 88.4 164.2
 51 47.9 37.4 56.2



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

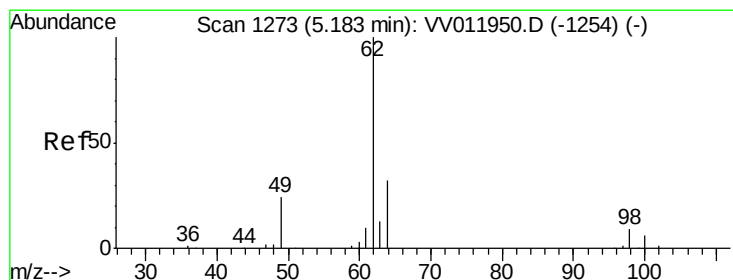
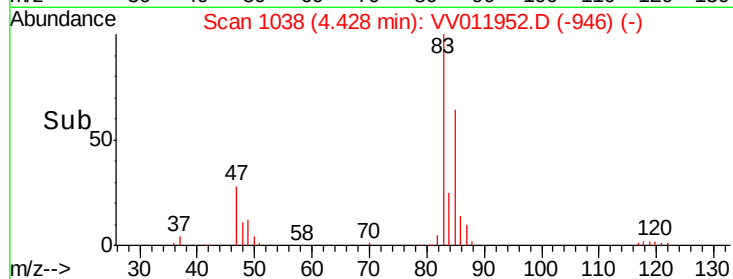
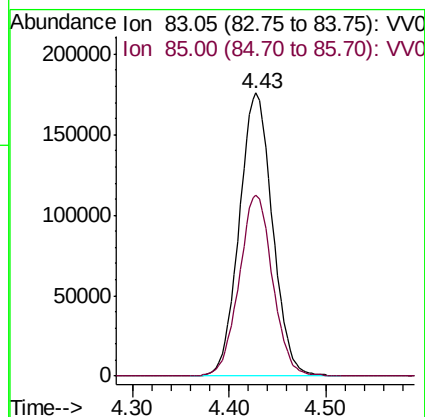
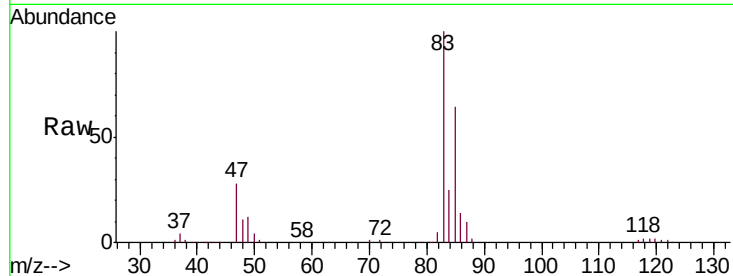




#25
Chloroform
Concen: 18.325 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV011952.D
Acq: 22 Jul 2019 16:52

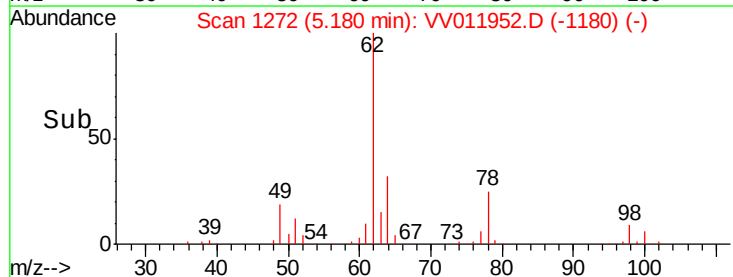
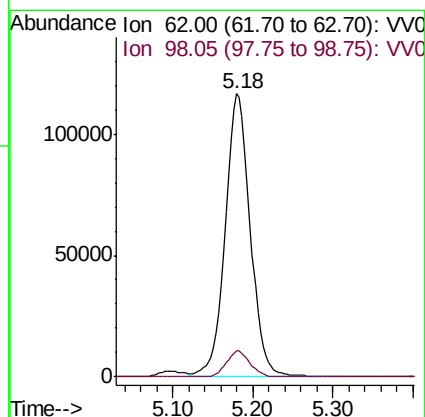
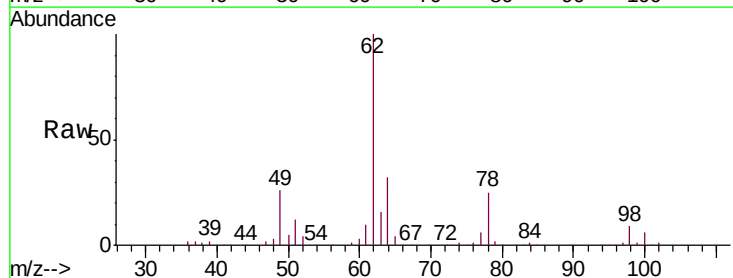
Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

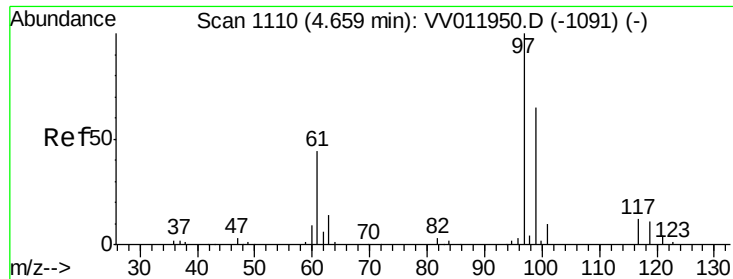
Tgt Ion: 83 Resp: 419859
Ion Ratio Lower Upper
83 100
85 64.1 46.5 86.3



#27
1,2-Dichloroethane
Concen: 18.735 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV011952.D
Acq: 22 Jul 2019 16:52

Tgt Ion: 62 Resp: 249771
Ion Ratio Lower Upper
62 100
98 9.0 7.0 10.6

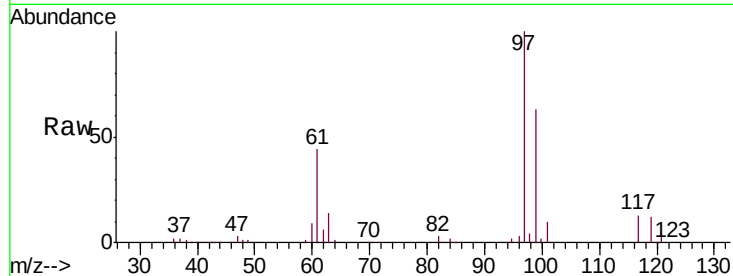




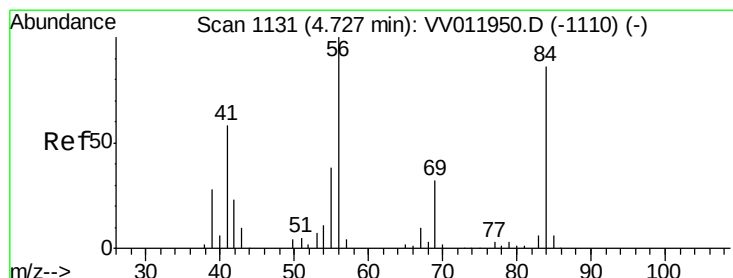
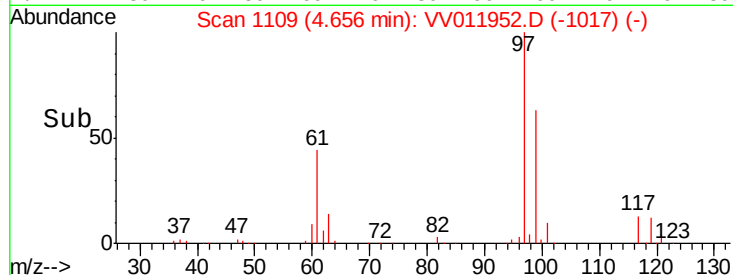
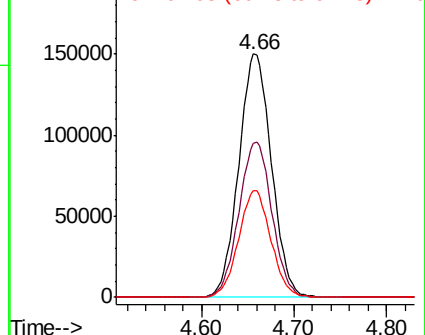
#29
 1,1,1-Trichloroethane
 Concen: 21.082 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV011952.D
 Acq: 22 Jul 2019 16:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

Tgt Ion: 97 Resp: 366896
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.7 77.5
 61 43.7 35.1 52.7

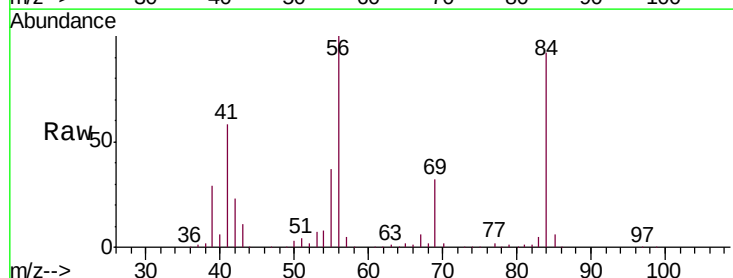


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

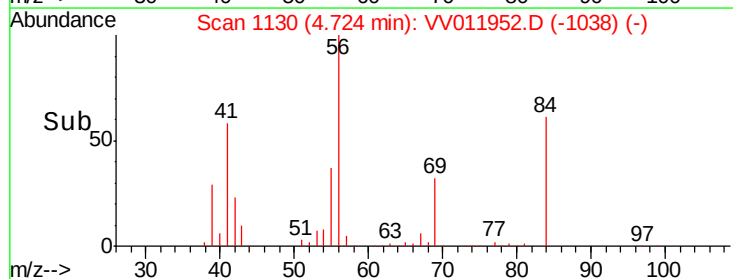
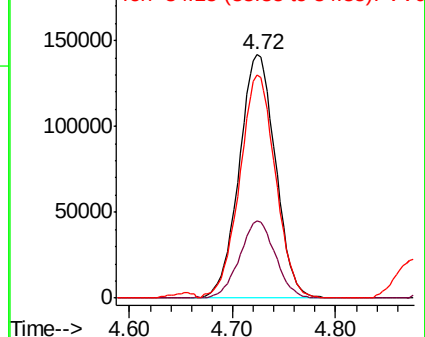


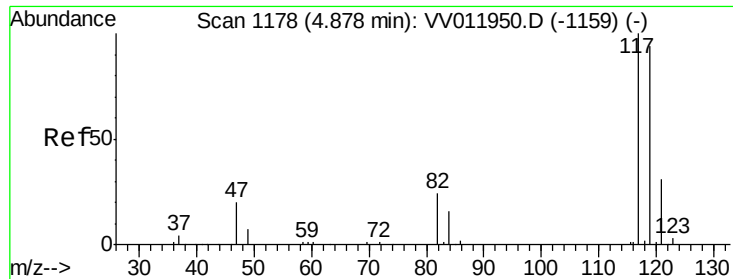
#30
 Cyclohexane
 Concen: 19.364 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV011952.D
 Acq: 22 Jul 2019 16:52

Tgt Ion: 56 Resp: 346856
 Ion Ratio Lower Upper
 56 100
 69 31.0 25.4 38.2
 84 90.8 73.4 110.0



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





#31

Carbon tetrachloride

Concen: 22.061 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

Instrument :

MSVOA_V

ClientSampleId :

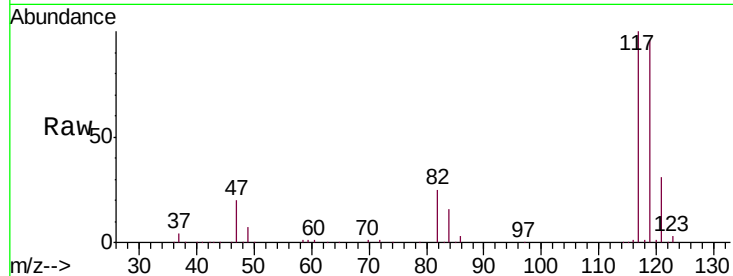
VSTD02035

Tgt Ion:117 Resp: 338328

Ion Ratio Lower Upper

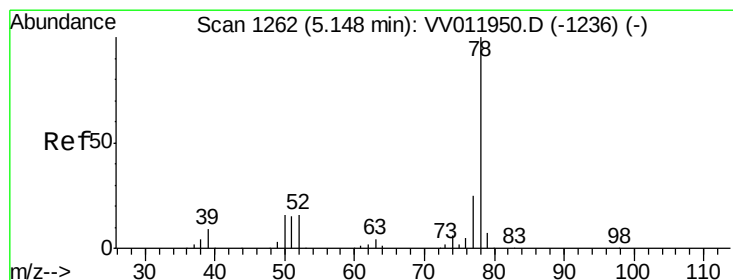
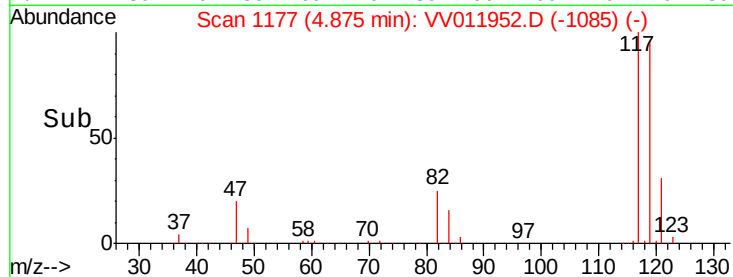
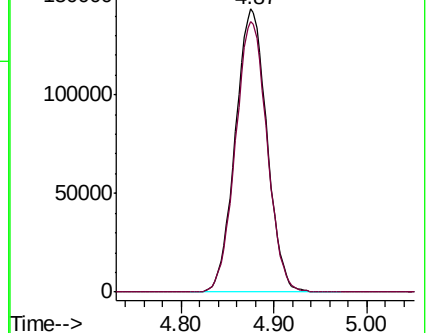
117 100

119 95.9 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 19.238 ug/L

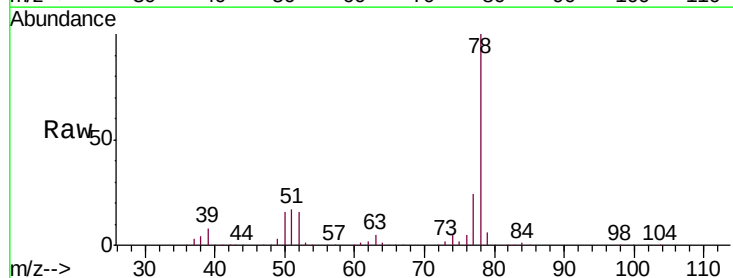
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

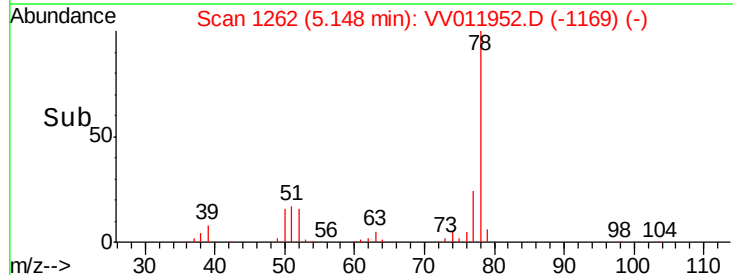
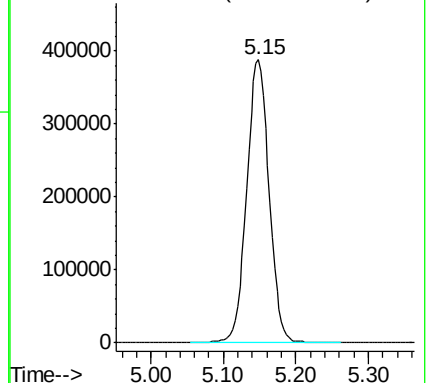
Lab File: VV011952.D

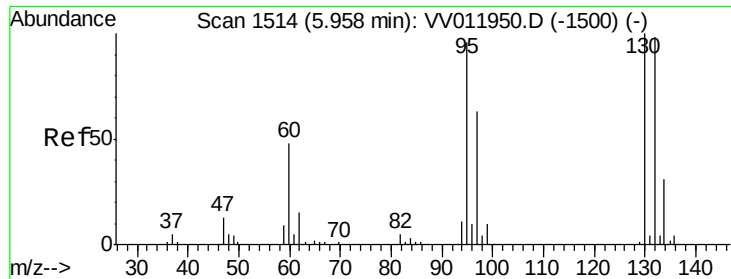
Acq: 22 Jul 2019 16:52

Tgt Ion: 78 Resp: 833952



Abundance Ion 78.10 (77.80 to 78.80): VV0

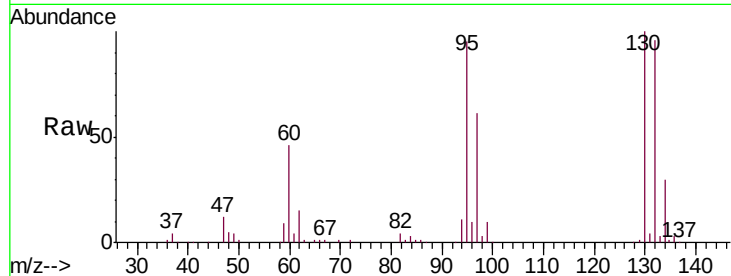




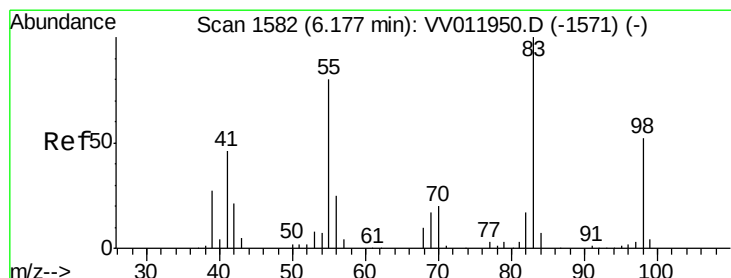
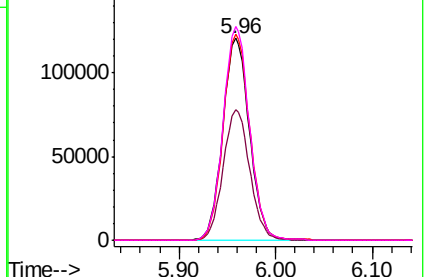
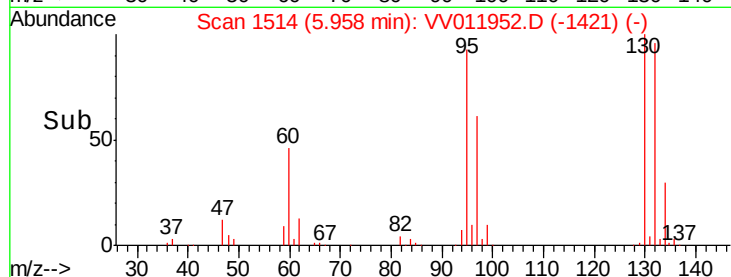
#34
 Trichloroethene
 Concen: 19.207 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV011952.D
 Acq: 22 Jul 2019 16:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

Tgt Ion:	95	Resp:	231814
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.6	84.6
132	101.7	71.3	132.3
130	105.7	72.8	135.2

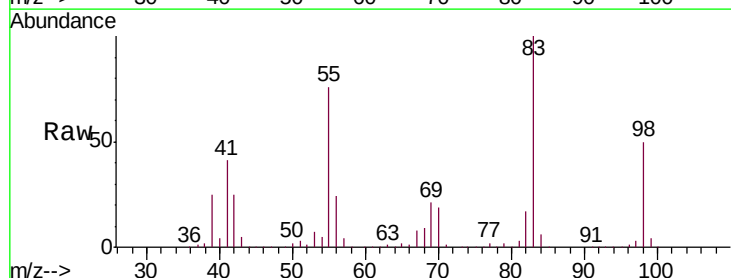


Abundance Ion 95.00 (94.70 to 95.70): VV011952.D (-1421) (-)
 Ion 96.95 (96.65 to 97.65): VV011952.D (-1421) (-)
 Ion 131.95 (131.65 to 132.65): VV011952.D (-1421) (-)
 Ion 129.95 (129.65 to 130.65): VV011952.D (-1421) (-)

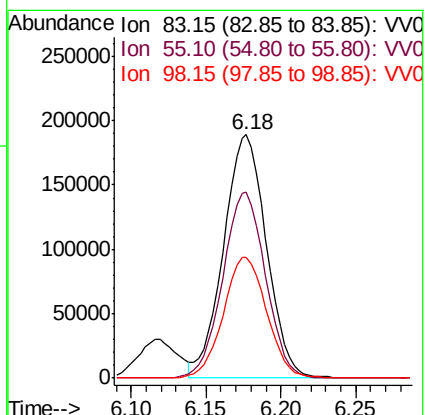
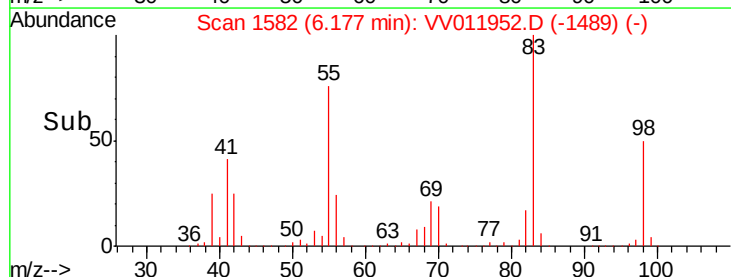


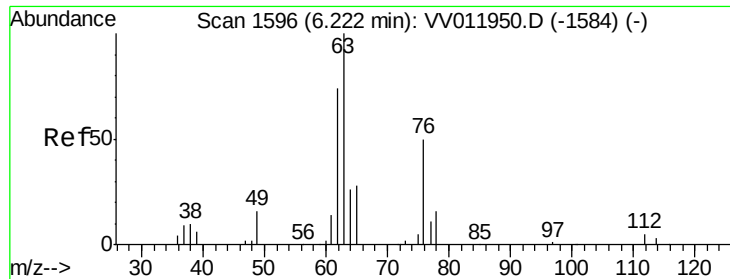
#35
 Methylcyclohexane
 Concen: 20.641 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV011952.D
 Acq: 22 Jul 2019 16:52

Tgt Ion:	83	Resp:	378423
Ion	Ratio	Lower	Upper
83	100		
55	75.7	63.0	94.4
98	50.2	41.4	62.0



Abundance Ion 83.15 (82.85 to 83.85): VV011952.D (-1489) (-)
 Ion 55.10 (54.80 to 55.80): VV011952.D (-1489) (-)
 Ion 98.15 (97.85 to 98.85): VV011952.D (-1489) (-)

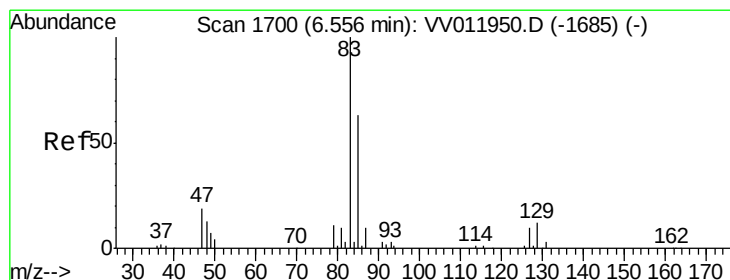
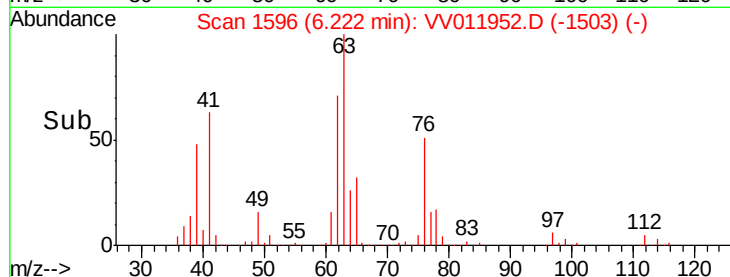
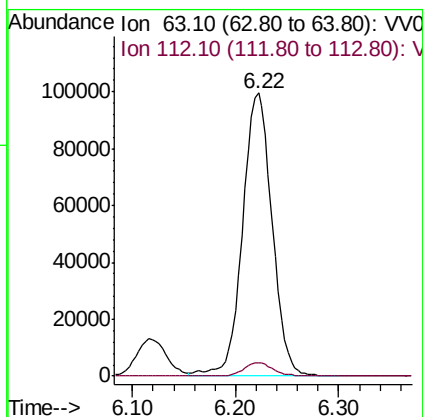
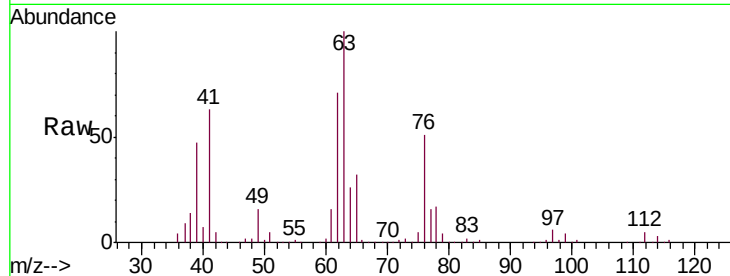




#37
 1,2-Dichloropropane
 Concen: 18.958 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV011952.D
 Acq: 22 Jul 2019 16:52

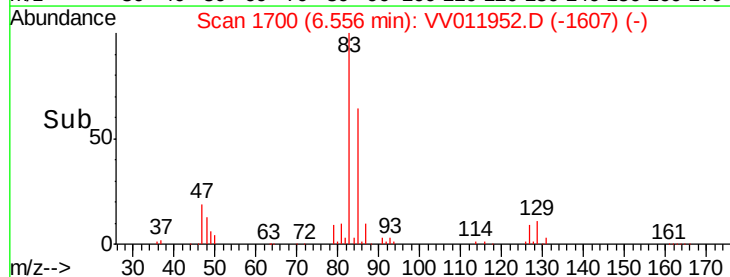
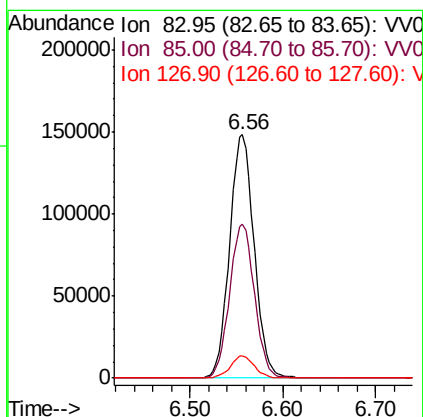
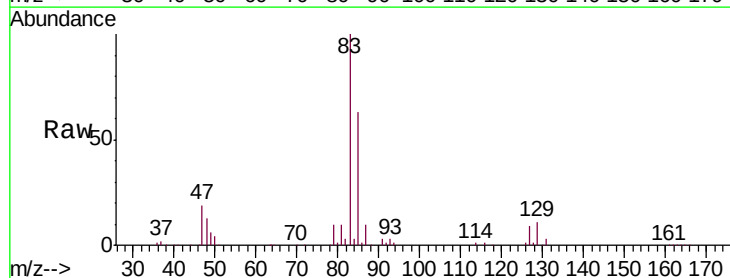
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

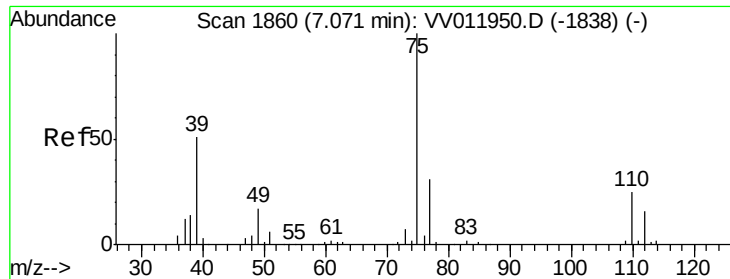
Tgt Ion: 63 Resp: 196794
 Ion Ratio Lower Upper
 63 100
 112 4.7 4.2 6.4



#38
 Bromodichloromethane
 Concen: 20.676 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV011952.D
 Acq: 22 Jul 2019 16:52

Tgt Ion: 83 Resp: 272362
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.4 82.4
 127 9.1 7.9 11.9

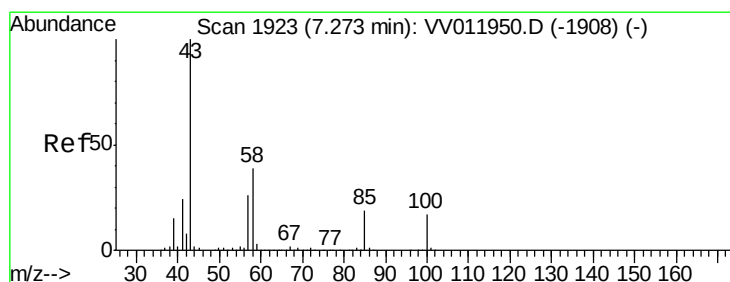
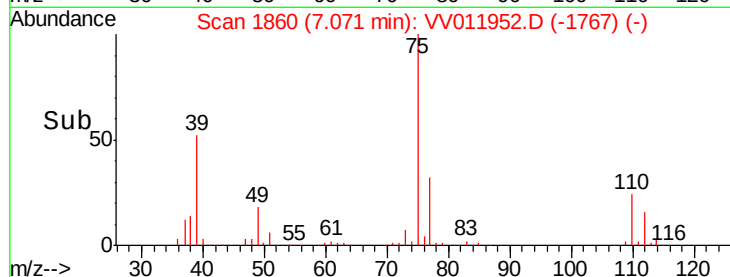
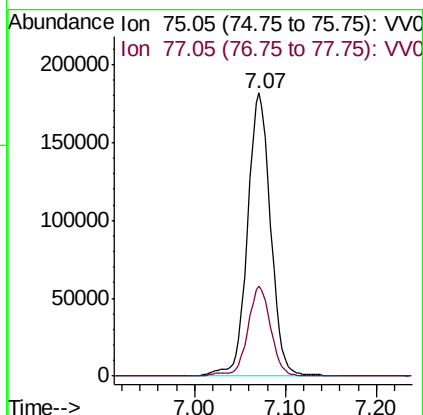
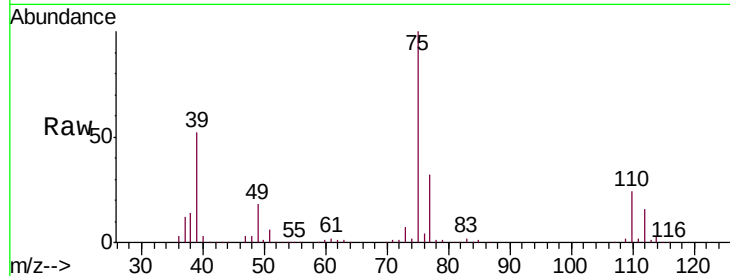




#39
 cis-1,3-Dichloropropene
 Concen: 21.942 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011952.D
 Acq: 22 Jul 2019 16:52

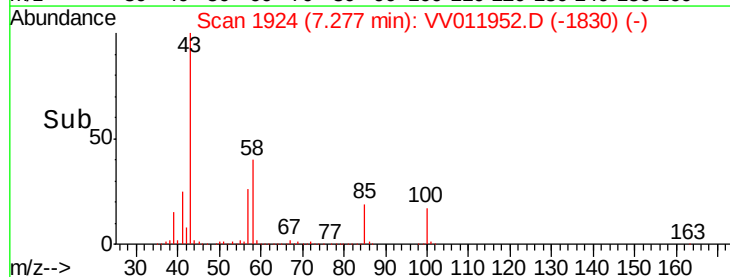
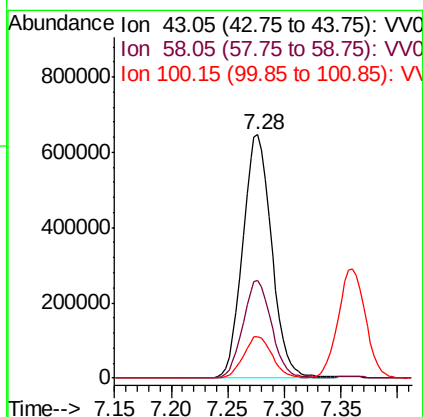
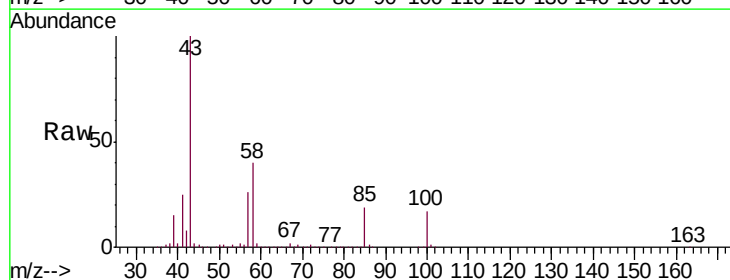
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

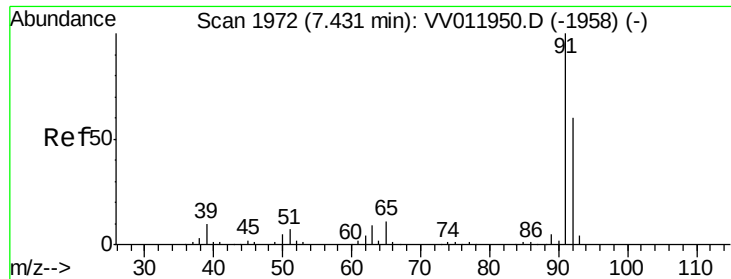
Tgt Ion: 75 Resp: 320783
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 185.554 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011952.D
 Acq: 22 Jul 2019 16:52

Tgt Ion: 43 Resp: 1153008
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.2 46.8
 100 16.9 13.5 20.3





#42

Toluene

Concen: 19.984 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

Instrument :

MSVOA_V

ClientSampleId :

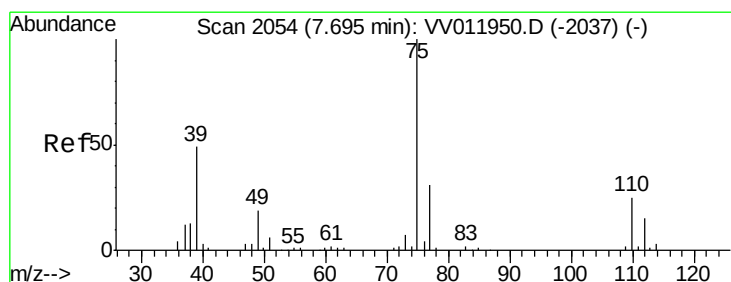
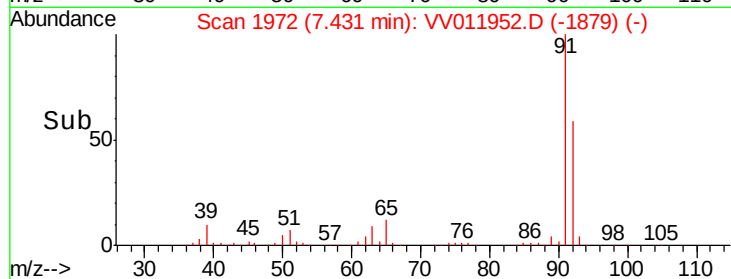
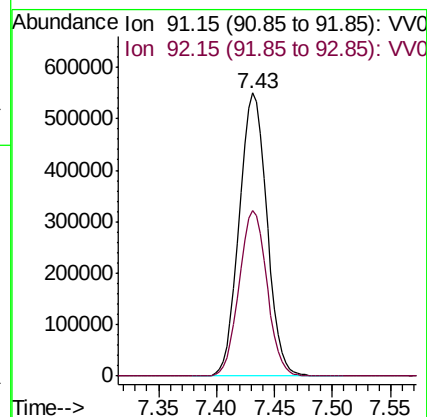
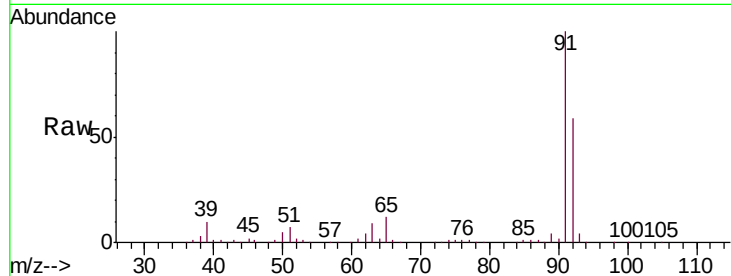
VSTD02035

Tgt Ion: 91 Resp: 911228

Ion Ratio Lower Upper

91 100

92 58.7 41.9 77.9



#44

trans-1,3-Dichloropropene

Concen: 21.725 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011952.D

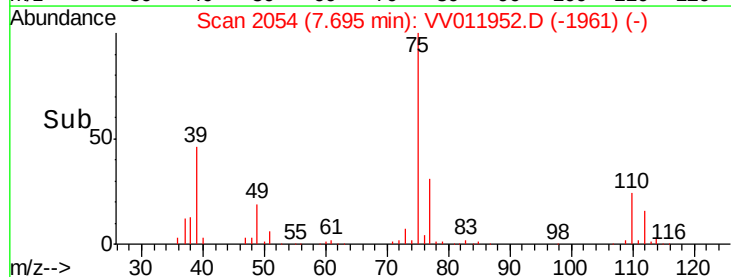
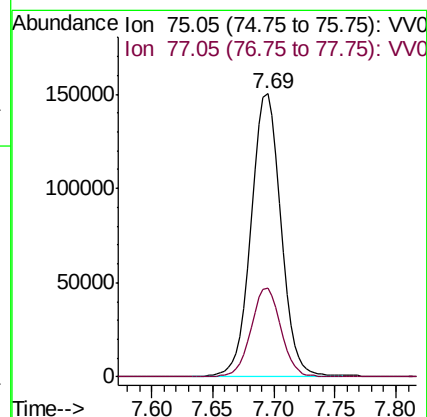
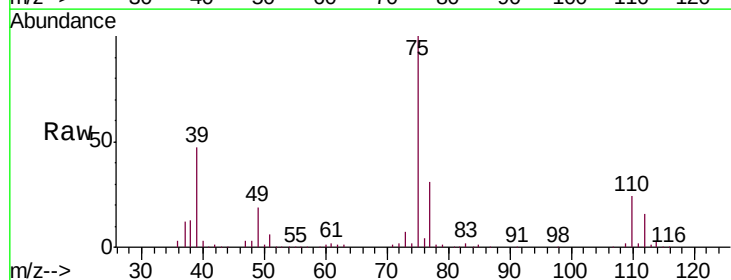
Acq: 22 Jul 2019 16:52

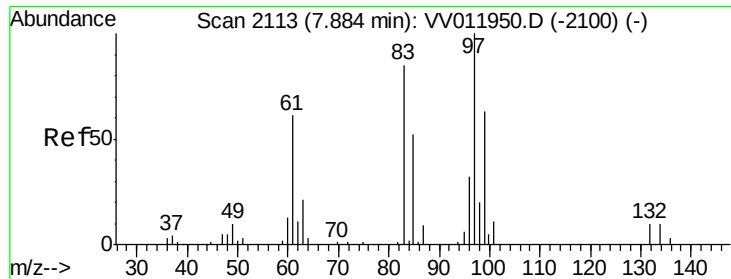
Tgt Ion: 75 Resp: 252996

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8

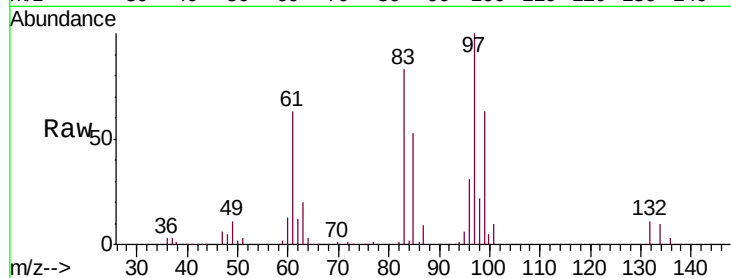




#45
1,1,2-Trichloroethane
Concen: 19.141 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV011952.D
Acq: 22 Jul 2019 16:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

Tgt Ion:	97	Resp:	137690
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.0	81.8
83	83.5	59.5	110.5
85	53.2	36.6	68.0



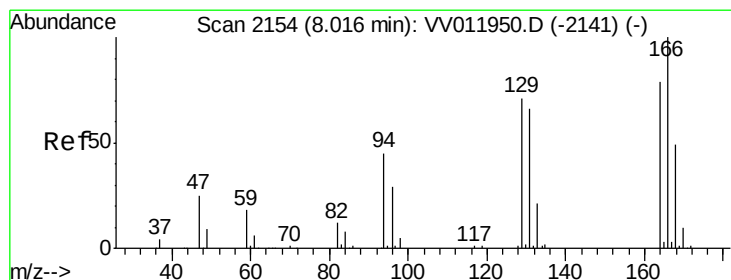
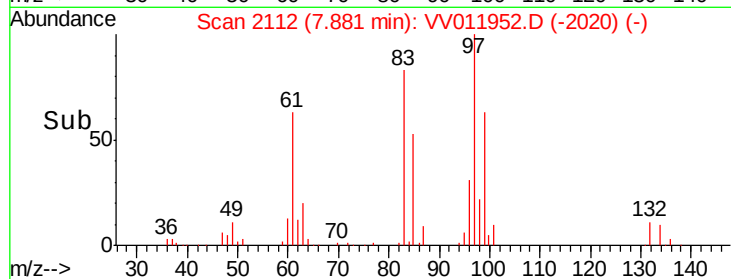
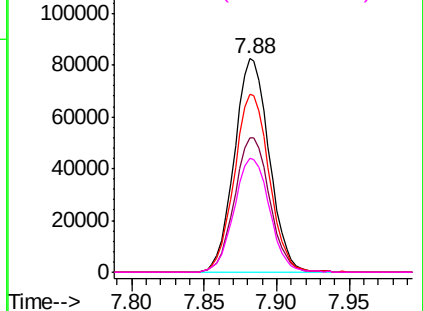
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

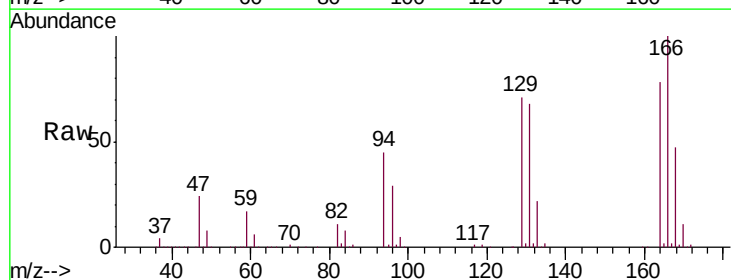
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
Tetrachloroethene
Concen: 21.619 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV011952.D
Acq: 22 Jul 2019 16:52

Tgt Ion:	164	Resp:	197719
Ion	Ratio	Lower	Upper
164	100		
129	90.7	62.5	116.1
131	86.8	58.6	108.8
166	128.0	88.2	163.8



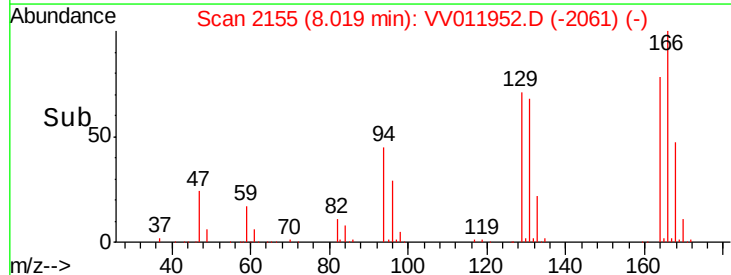
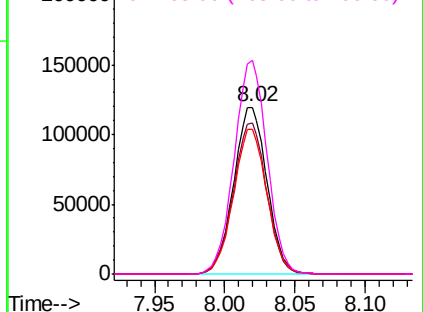
Abundance

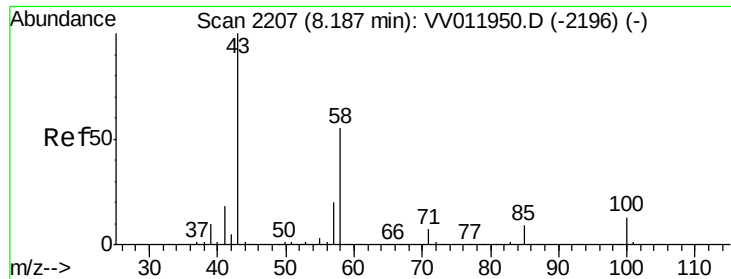
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

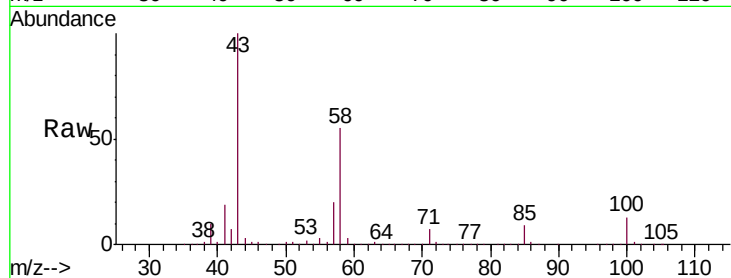




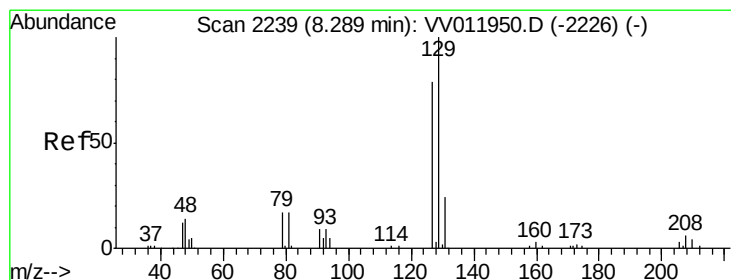
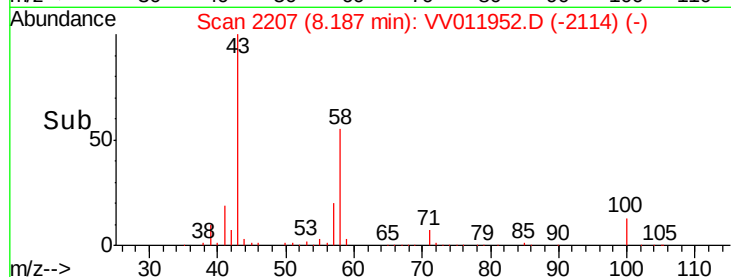
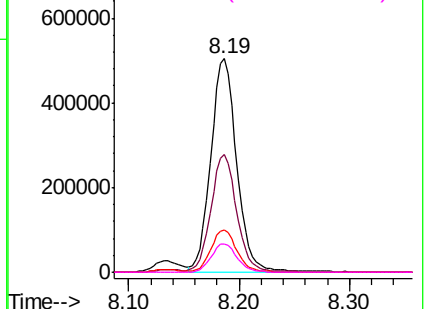
#48
2-Hexanone
Concen: 183.594 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011952.D
Acq: 22 Jul 2019 16:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

Tgt Ion: 43 Resp: 814557
Ion Ratio Lower Upper
43 100
58 55.3 43.7 65.5
57 20.1 16.0 24.0
100 13.6 10.5 15.7

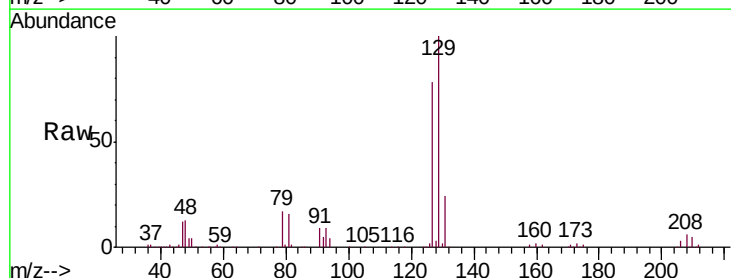


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

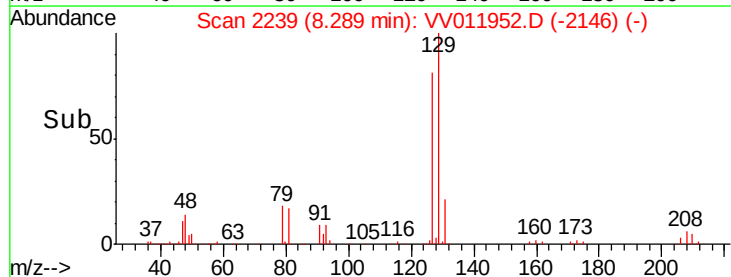
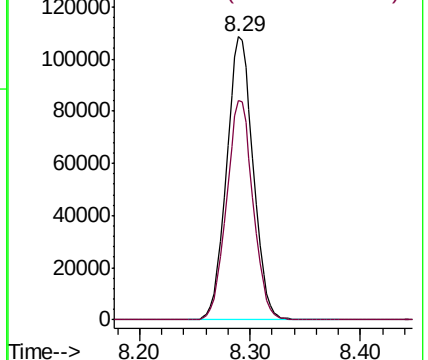


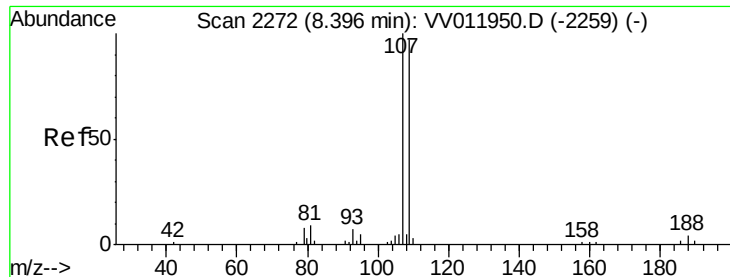
#49
Dibromochloromethane
Concen: 22.677 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011952.D
Acq: 22 Jul 2019 16:52

Tgt Ion: 129 Resp: 181035
Ion Ratio Lower Upper
129 100
127 77.6 55.3 102.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

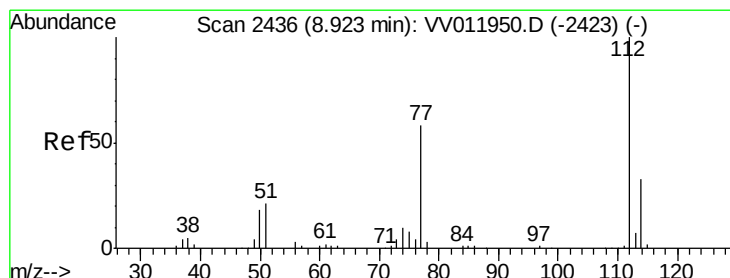
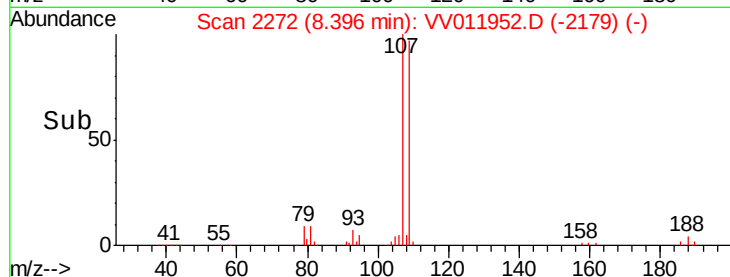
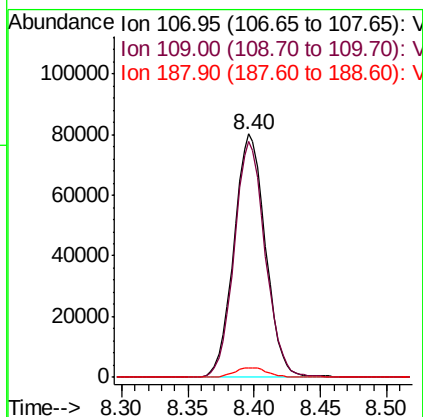
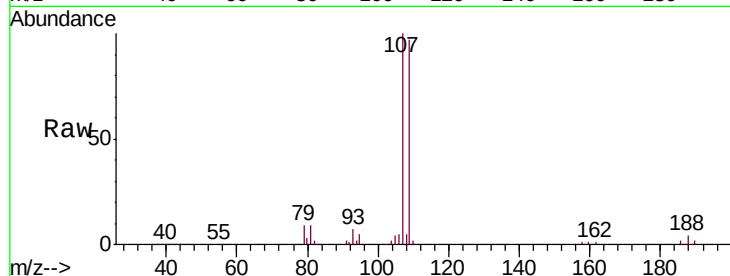




#50
1,2-Dibromoethane
Concen: 20.022 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011952.D
Acq: 22 Jul 2019 16:52

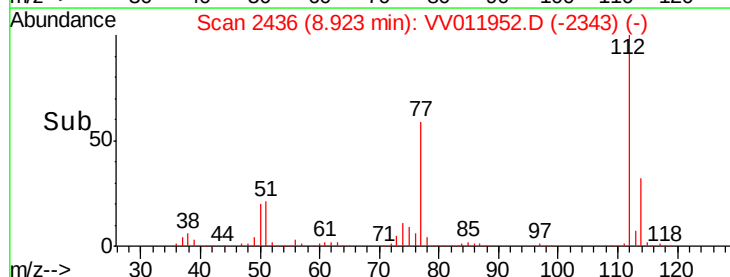
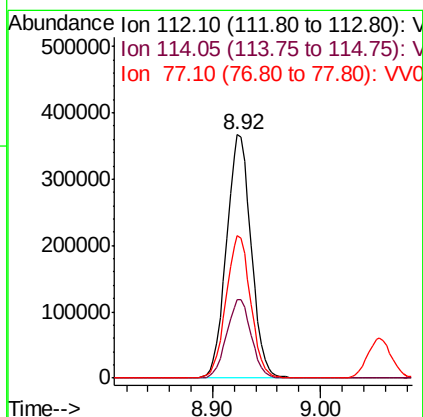
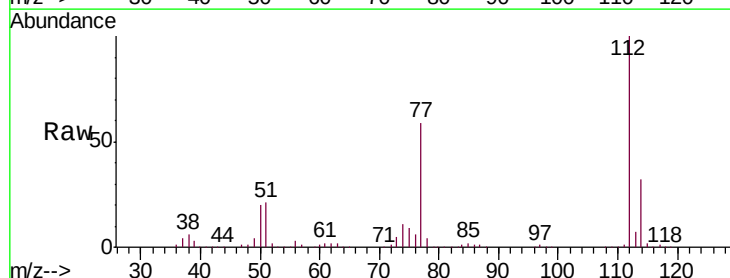
Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

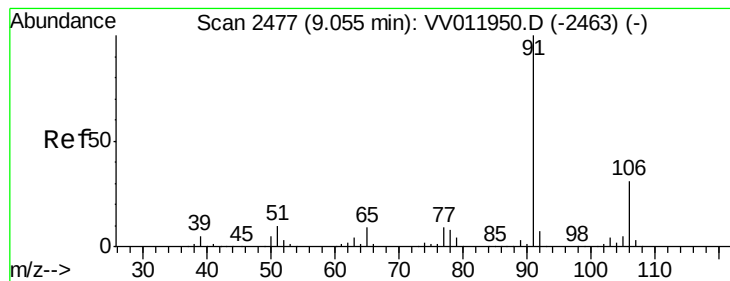
Tgt Ion:107 Resp: 132643
Ion Ratio Lower Upper
107 100
109 96.6 68.1 126.5
188 3.8 3.5 5.3



#51
Chlorobenzene
Concen: 20.140 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011952.D
Acq: 22 Jul 2019 16:52

Tgt Ion:112 Resp: 585190
Ion Ratio Lower Upper
112 100
114 32.0 23.0 42.8
77 58.6 46.4 69.6





#52

Ethylbenzene

Concen: 20.870 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

Instrument :

MSVOA_V

ClientSampleId :

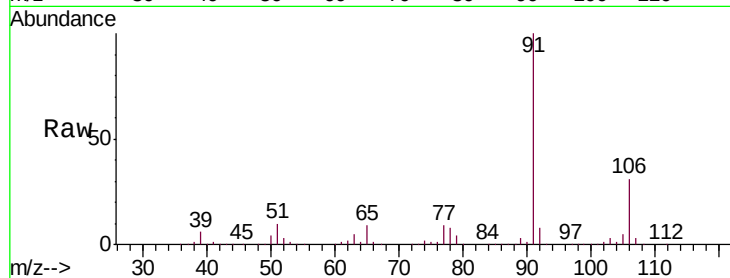
VSTD02035

Tgt Ion: 91 Resp: 1055854

Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV011952.D (-2463) (-)

Ion 106.15 (105.85 to 106.85): VV011952.D (-2384) (-)

800000

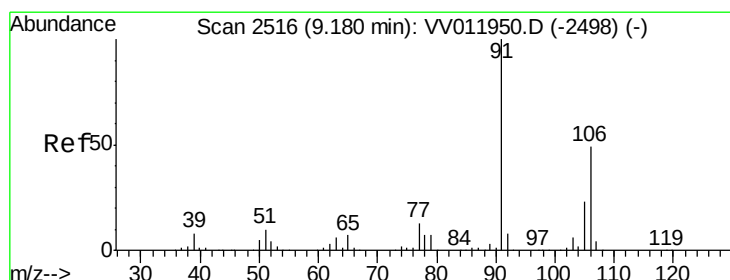
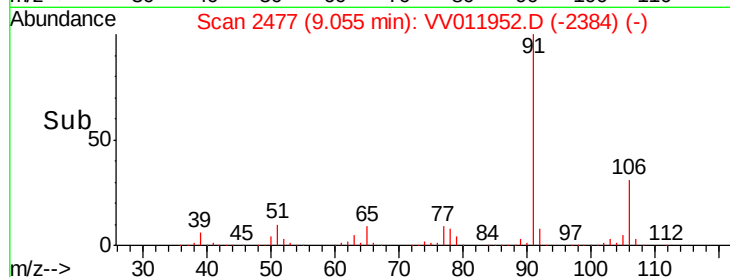
600000

400000

200000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#53

m,p-xylene

Concen: 21.163 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011952.D

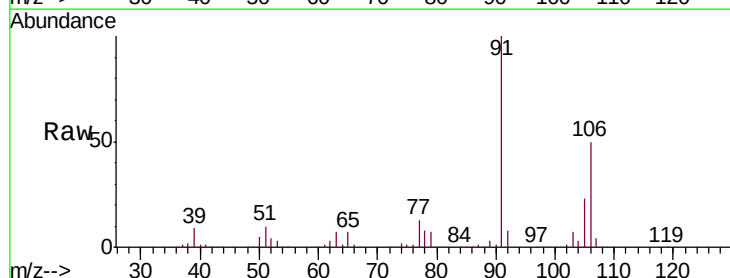
Acq: 22 Jul 2019 16:52

Tgt Ion: 106 Resp: 400570

Ion Ratio Lower Upper

106 100

91 201.6 142.7 265.1



Abundance Ion 106.15 (105.85 to 106.85): VV011952.D (-2498) (-)

Ion 91.15 (90.85 to 91.85): VV011952.D (-2423) (-)

600000

500000

400000

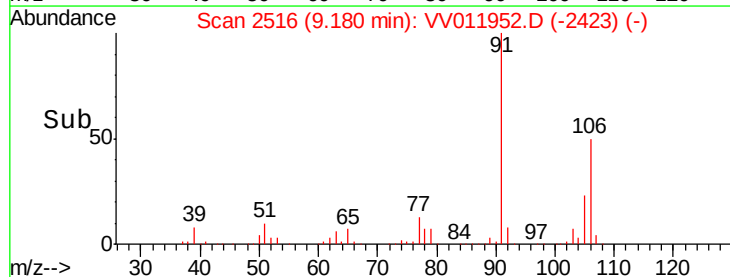
300000

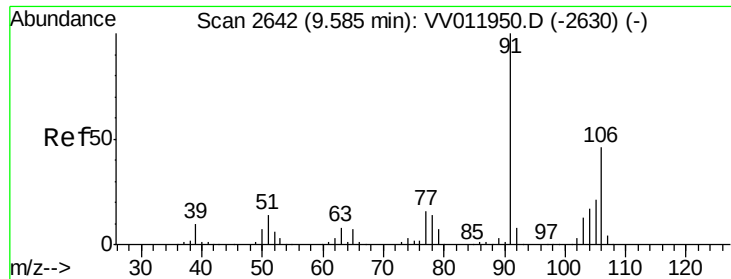
200000

100000

0

Time--> 9.10 9.15 9.20 9.25

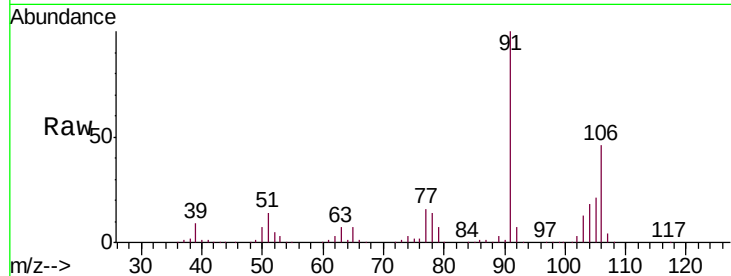




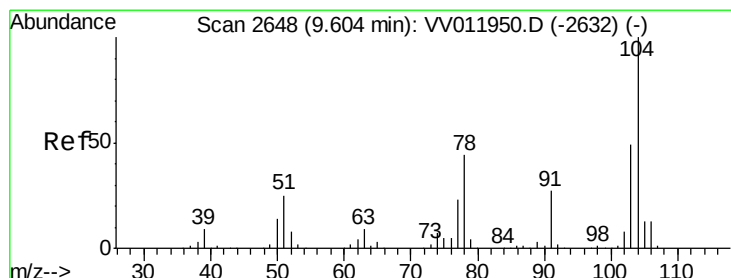
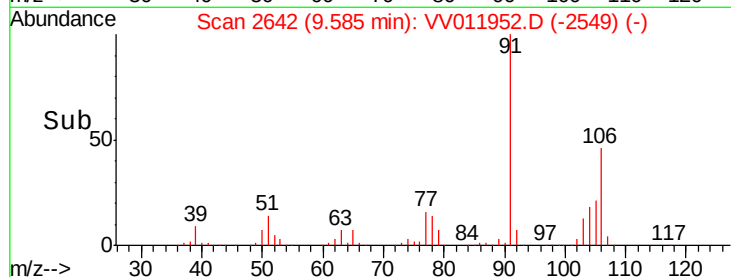
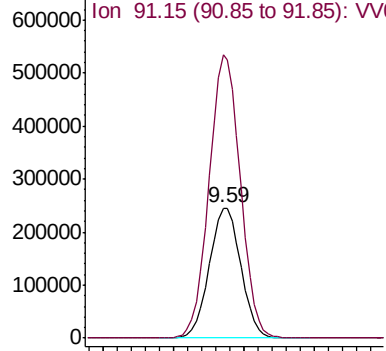
#54
o-xylene
Concen: 21.937 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV011952.D
Acq: 22 Jul 2019 16:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

Tgt Ion:106 Resp: 385907
Ion Ratio Lower Upper
106 100
91 217.4 151.0 280.4

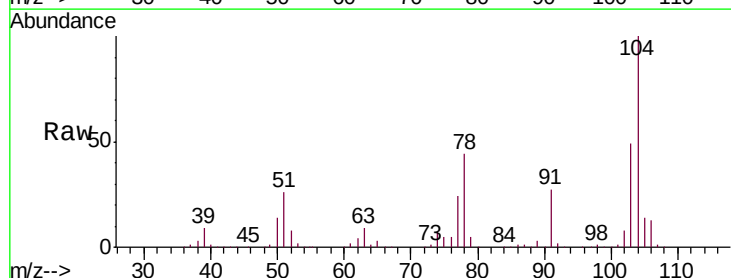


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

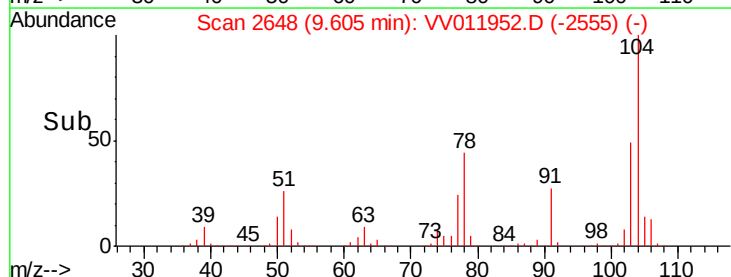
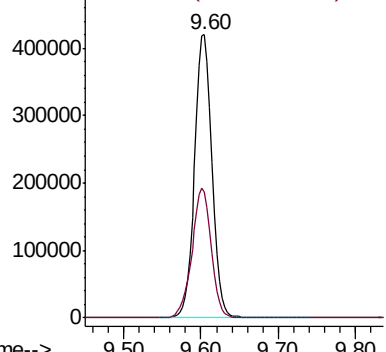


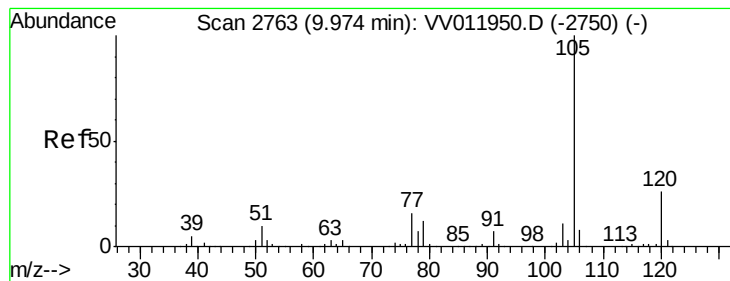
#55
Styrene
Concen: 21.959 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV011952.D
Acq: 22 Jul 2019 16:52

Tgt Ion:104 Resp: 657659
Ion Ratio Lower Upper
104 100
78 44.4 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 21.867 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

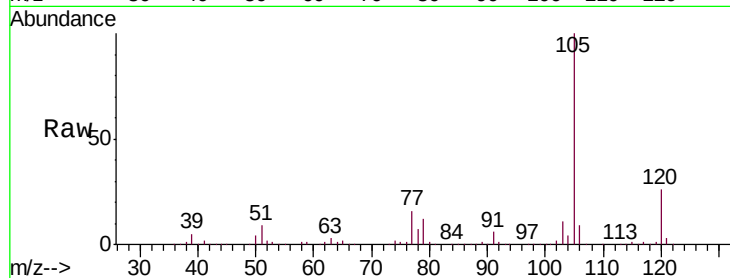
Tgt Ion: 105 Resp: 1065156

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

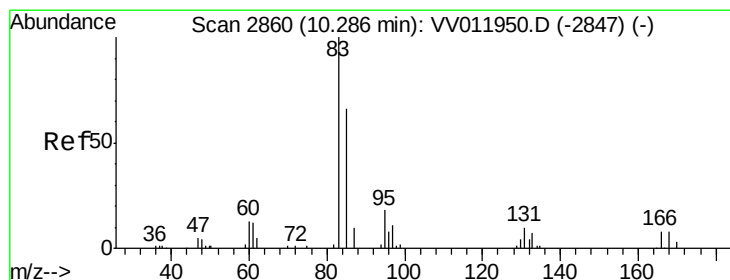
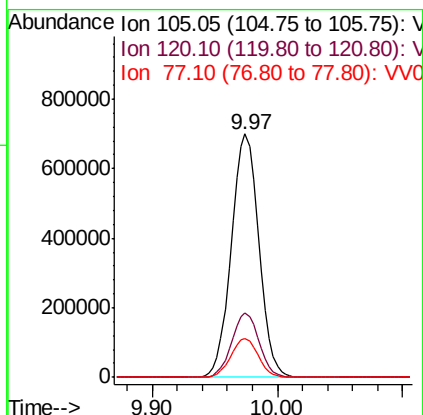
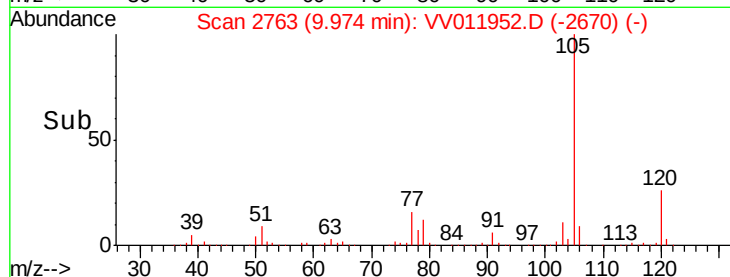
77 15.9 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 21.481 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

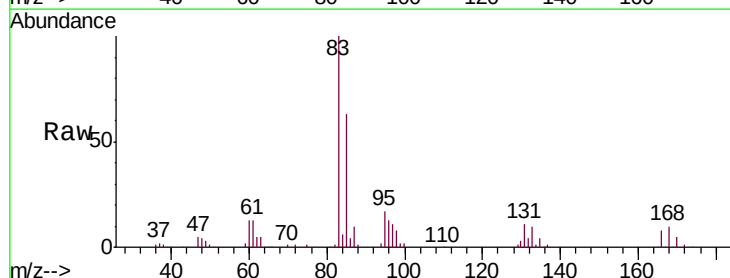
Tgt Ion: 83 Resp: 149727

Ion Ratio Lower Upper

83 100

85 63.1 46.3 85.9

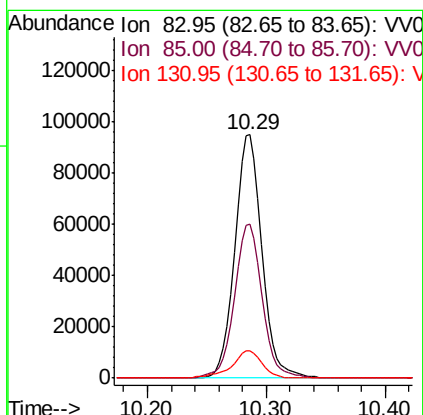
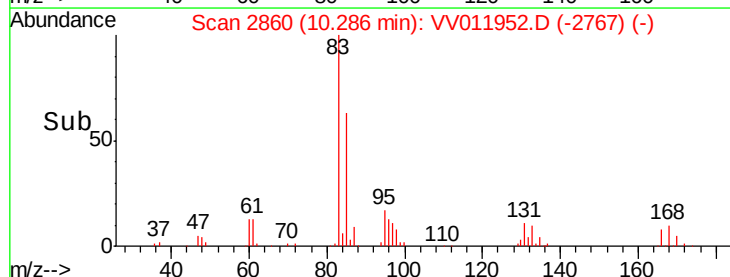
131 11.2 8.9 13.3

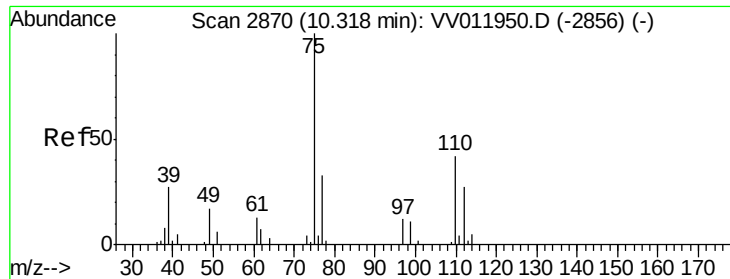


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 18.197 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

Instrument :

MSVOA_V

ClientSampleId :

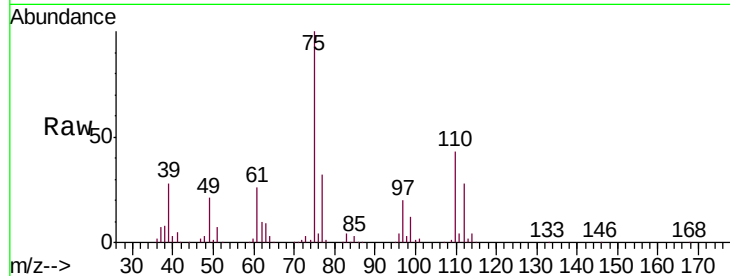
VSTD02035

Tgt Ion: 75 Resp: 114739

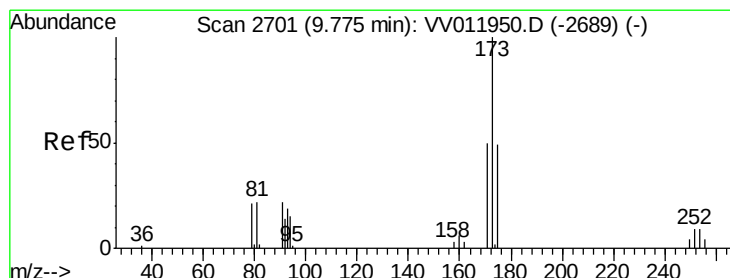
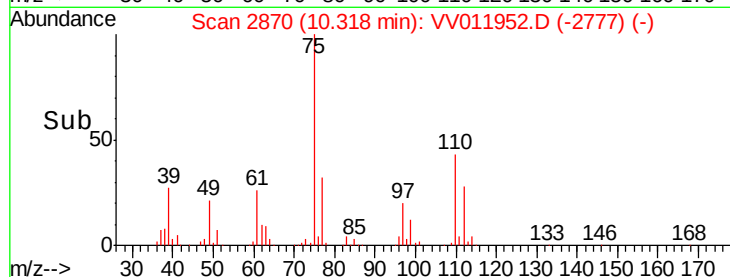
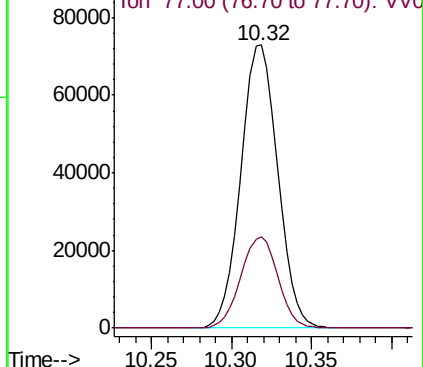
Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VV011950.D (-2856) (-)



#61

Bromoform

Concen: 22.398 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

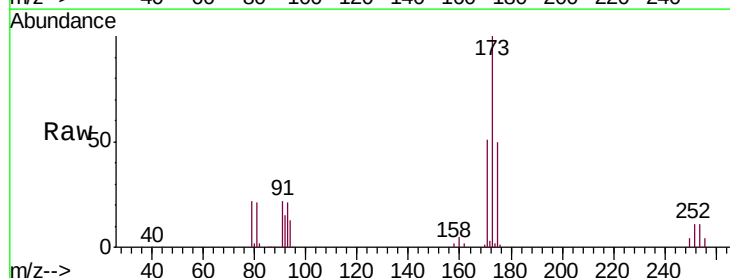
Tgt Ion: 173 Resp: 98169

Ion Ratio Lower Upper

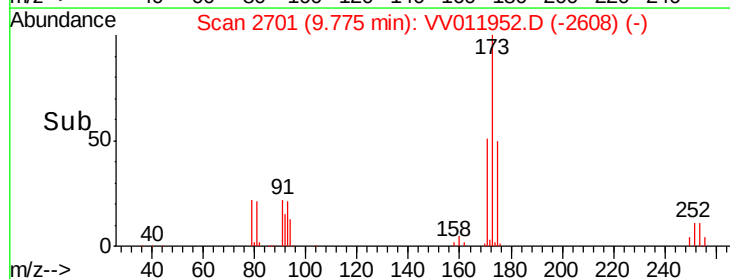
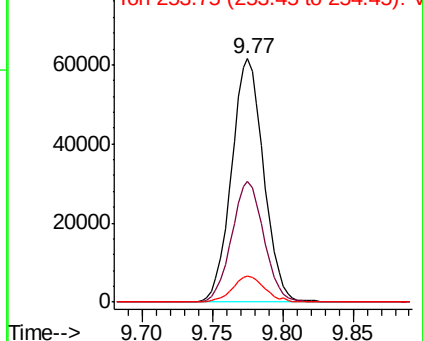
173 100

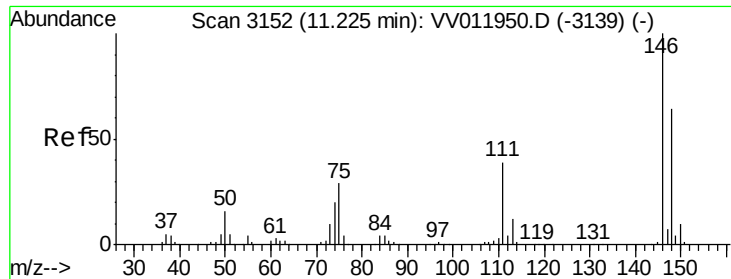
175 49.7 39.6 59.4

254 10.7 7.9 11.9



Abundance Ion 172.90 (172.60 to 173.60): VV011950.D (-2689) (-)





#62

1,3-Dichlorobenzene

Concen: 19.887 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

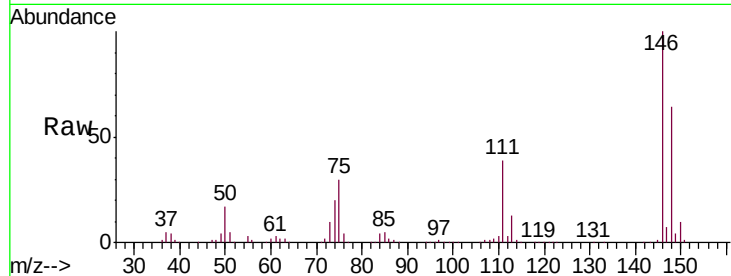
Tgt Ion:146 Resp: 490408

Ion Ratio Lower Upper

146 100

111 39.4 27.1 50.3

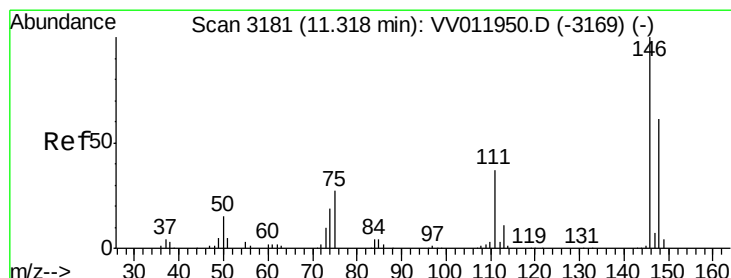
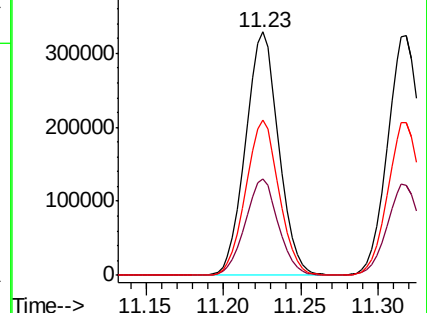
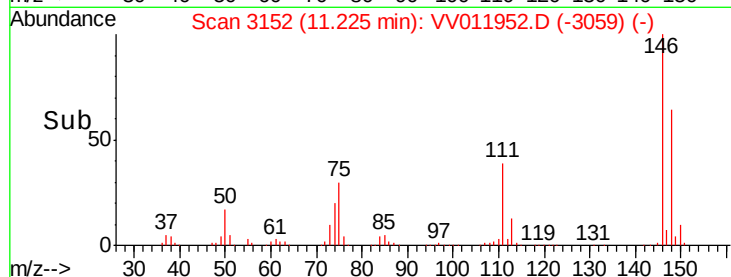
148 63.7 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 19.639 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

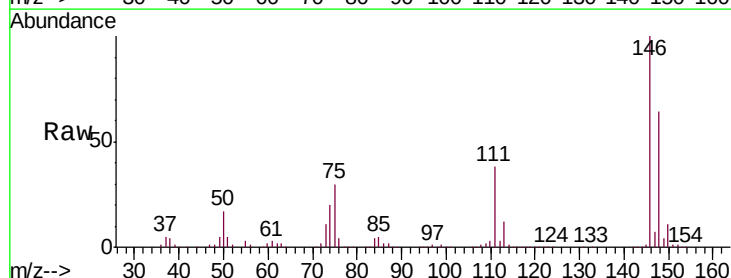
Tgt Ion:146 Resp: 496768

Ion Ratio Lower Upper

146 100

111 37.7 26.0 48.2

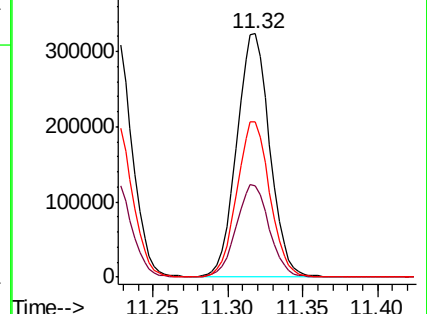
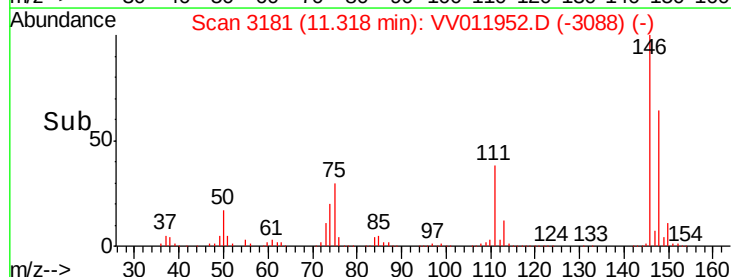
148 63.9 43.0 80.0

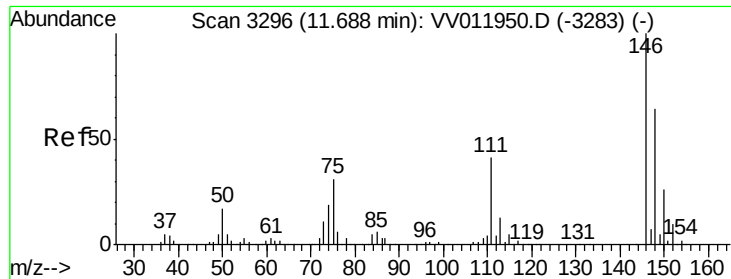


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

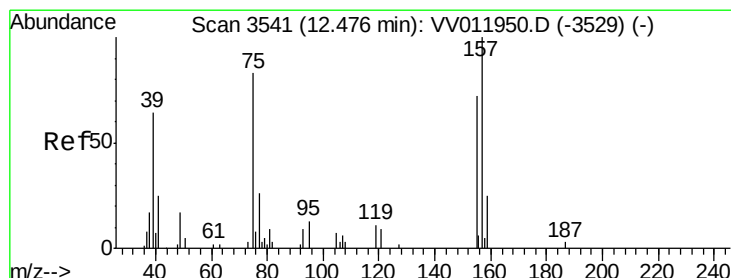
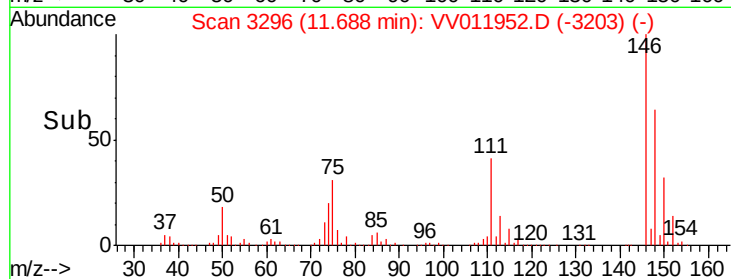
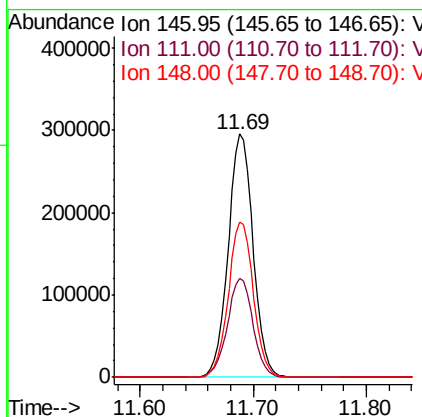
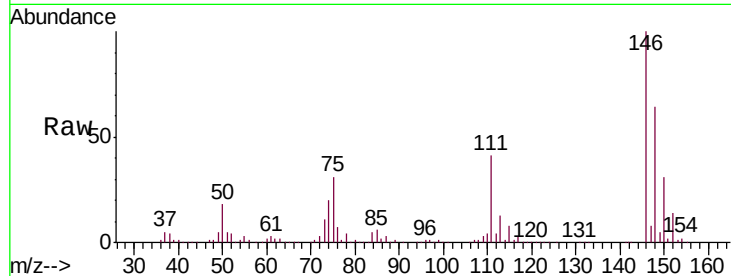




#65
 1,2-Dichlorobenzene
 Concen: 19.650 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV011952.D
 Acq: 22 Jul 2019 16:52

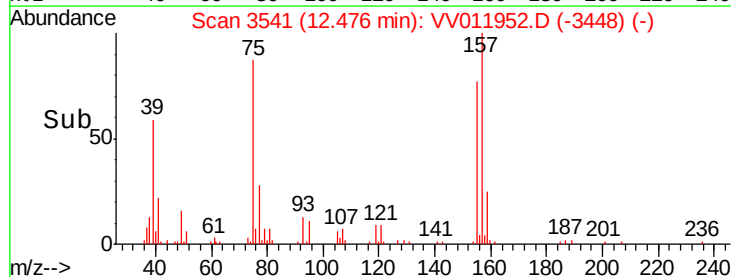
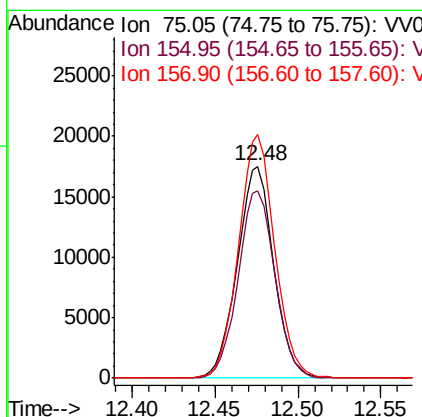
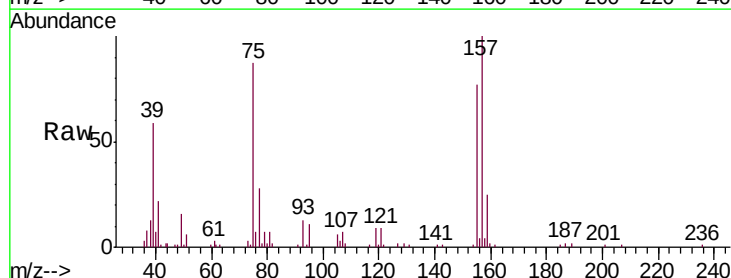
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

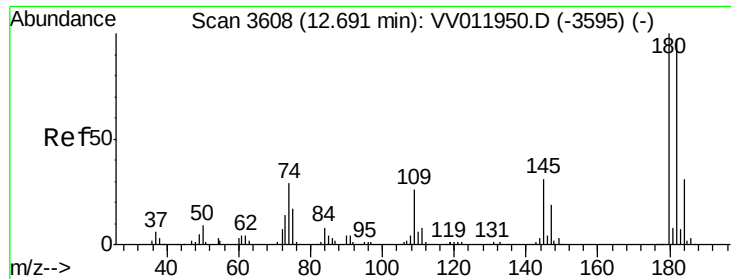
Tgt Ion: 146 Resp: 451344
 Ion Ratio Lower Upper
 146 100
 111 40.9 32.5 48.7
 148 63.9 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.549 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011952.D
 Acq: 22 Jul 2019 16:52

Tgt Ion: 75 Resp: 26719
 Ion Ratio Lower Upper
 75 100
 155 88.3 69.5 104.3
 157 115.0 96.2 144.2

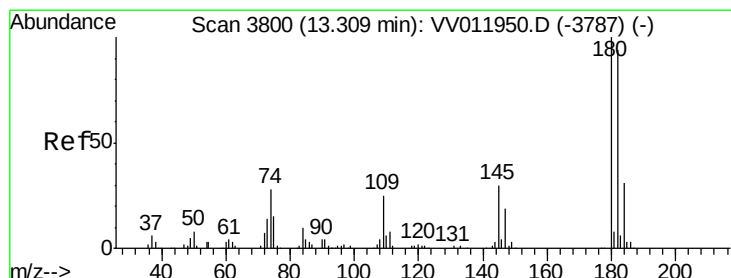
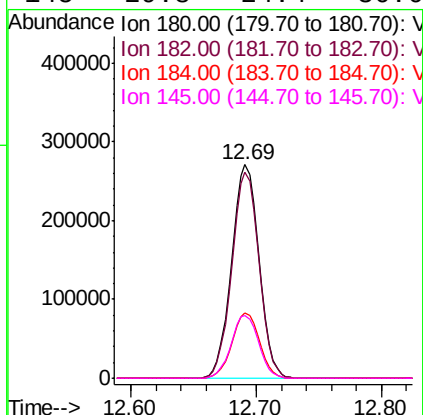
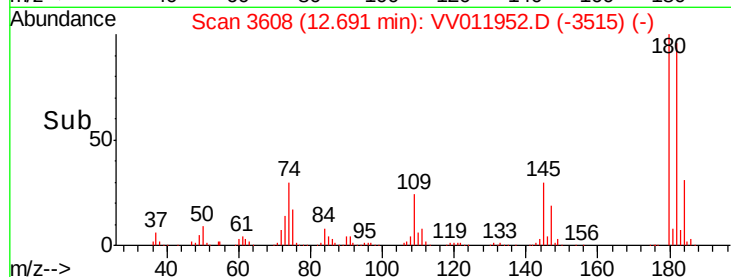
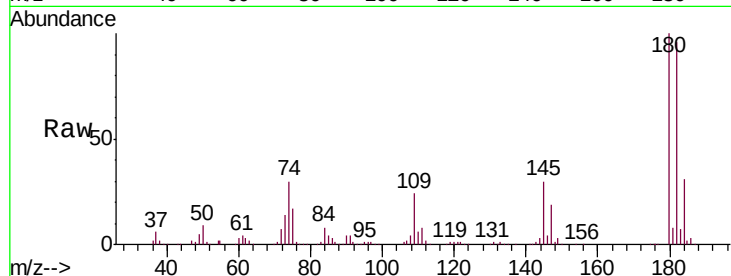




#67
 1,3,5-Trichlorobenzene
 Concen: 21.086 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011952.D
 Acq: 22 Jul 2019 16:52

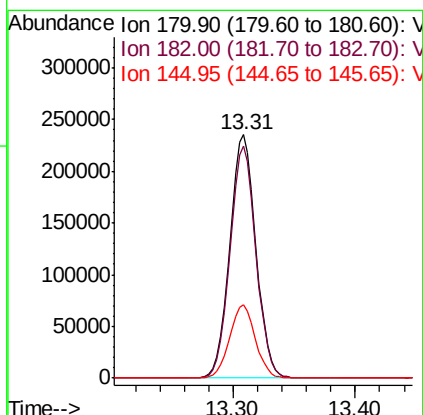
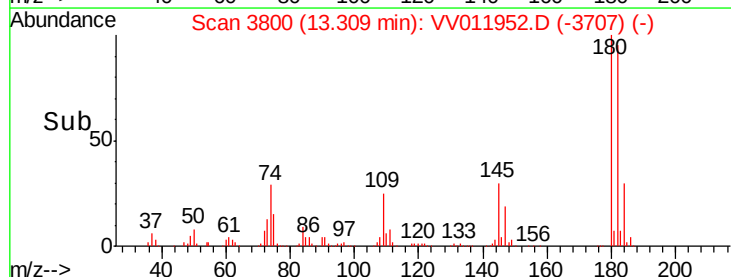
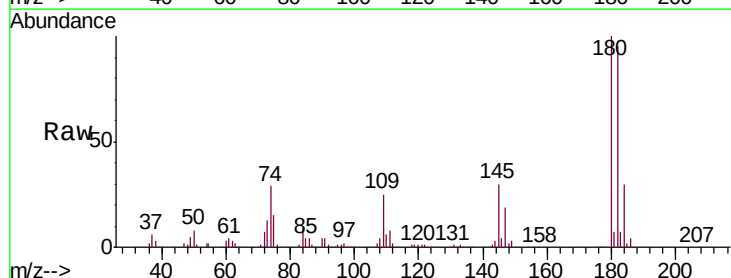
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

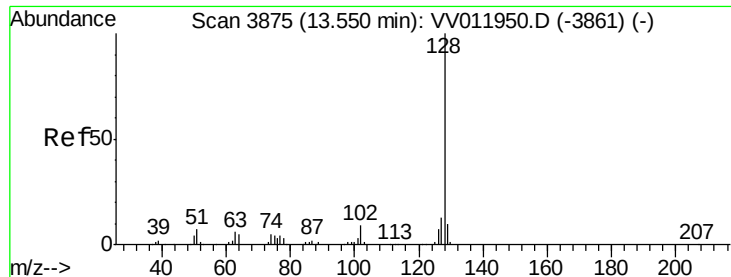
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.4	116.0
184	30.7	25.2	37.8
145	29.8	24.4	36.6



#68
 1,2,4-trichlorobenzene
 Concen: 22.755 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011952.D
 Acq: 22 Jul 2019 16:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
145	29.8	23.4	35.2





#69

Naphthalene

Concen: 23.472 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

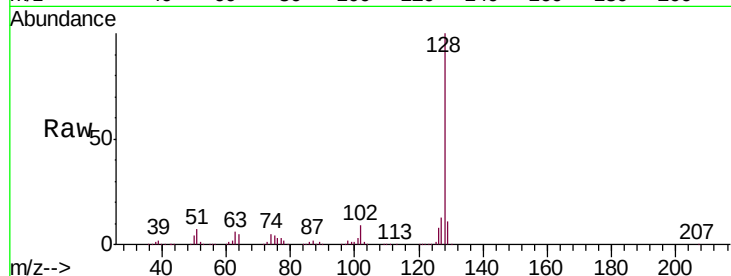
Tgt Ion:128 Resp: 555277

Ion Ratio Lower Upper

128 100

129 10.8 8.2 12.2

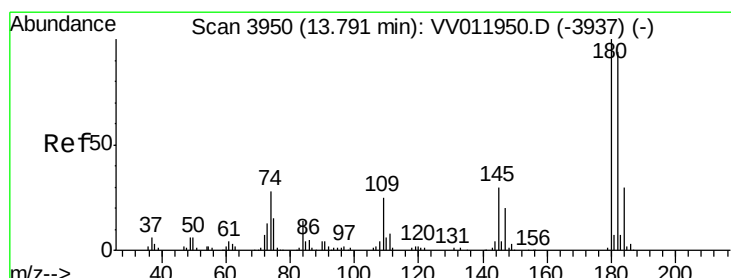
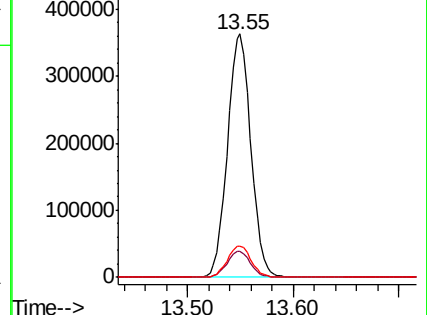
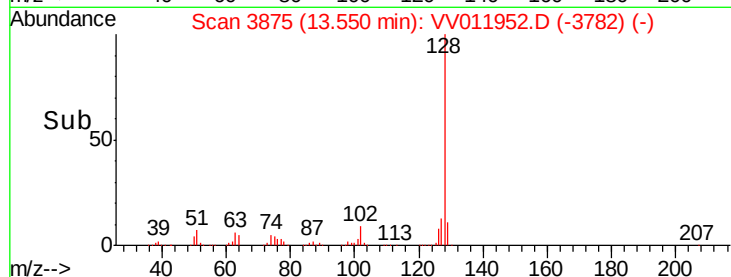
127 13.2 10.8 16.2



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: 22.225 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV011952.D

Acq: 22 Jul 2019 16:52

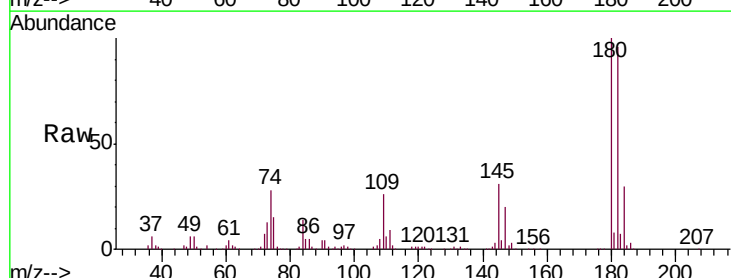
Tgt Ion:180 Resp: 310514

Ion Ratio Lower Upper

180 100

182 95.5 75.5 113.3

145 31.4 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

