

Data File : VV011950.D
Acq On : 22 Jul 2019 16:01
Operator : SY/MD
Sample : VSTD00533
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Quant Time: Jul 23 06:55:16 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	161715	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	155549	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	82256	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39221	3.47	ug/L	0.00
7) Chloroethane-d5	1.59	69	30355	3.28	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	81679	4.28	ug/L	0.00
20) 2-Butanone-d5	3.96	46	118788	40.70	ug/L	0.00
24) Chloroform-d	4.40	84	101948	4.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	52479	4.33	ug/L	0.00
32) Benzene-d6	5.10	84	202543	4.49	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	57793	4.23	ug/L	0.00
41) Toluene-d8	7.36	98	192517	4.67	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	23890	4.66	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	98649	47.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	40674	4.67	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	74433	4.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	89644	5.363	ug/L 100
3) Chloromethane	1.25	50	51883	3.500	ug/L 100
5) Vinyl chloride	1.33	62	53553	3.723	ug/L 100
6) Bromomethane	1.54	94	32289	3.819	ug/L 100
8) Chloroethane	1.60	64	31100	3.806	ug/L 100
9) Trichlorofluoromethane	1.77	101	99631	5.163	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	43484	4.766	ug/L 100
12) 1,1-Dichloroethene	2.14	96	39211	4.672	ug/L 100
13) Acetone	2.22	43	69728	46.498	ug/L 100
14) Carbon disulfide	2.32	76	110468	4.612	ug/L 100
15) Methyl Acetate	2.47	43	13249	4.290	ug/L 100
16) Methylene chloride	2.54	84	38787	4.374	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	136340	5.246	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	60369	5.020	ug/L 100
19) 1,1-Dichloroethane	3.23	63	109814	4.874	ug/L 100
21) 2-Butanone	4.04	43	141244	48.609	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	65677	5.235	ug/L 100
23) Bromochloromethane	4.30	128	27729	5.397	ug/L 100
25) Chloroform	4.43	83	124144	5.026	ug/L 100
27) 1,2-Dichloroethane	5.18	62	72562	5.048	ug/L 100
29) 1,1,1-Trichloroethane	4.66	97	107407	5.549	ug/L 100
30) Cyclohexane	4.73	56	98595	4.949	ug/L 100
31) Carbon tetrachloride	4.88	117	97030	5.689	ug/L 100
33) Benzene	5.15	78	247192	5.127	ug/L 100
34) Trichloroethene	5.96	95	67675	5.042	ug/L 100
35) Methylcyclohexane	6.18	83	104794	5.139	ug/L 100
37) 1,2-Dichloropropane	6.22	63	56794	4.919	ug/L 100
38) Bromodichloromethane	6.56	83	78590	5.364	ug/L 100
39) cis-1,3-Dichloropropene	7.07	75	88684	5.454	ug/L 100
40) 4-Methyl-2-pentanone	7.27	43	343487	49.701	ug/L 100

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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)
42) Toluene	7.43	91	269842	5.321	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	70951	5.478	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	41529	5.191	ug/L	100
47) Tetrachloroethene	8.02	164	57805	5.683	ug/L	100
48) 2-Hexanone	8.19	43	244856	49.621	ug/L	100
49) Dibromochloromethane	8.29	129	50974	5.741	ug/L	100
50) 1,2-Dibromoethane	8.40	107	38788	5.264	ug/L	100
51) Chlorobenzene	8.92	112	173078	5.356	ug/L	100
52) Ethylbenzene	9.05	91	306929	5.455	ug/L	100
53) m,p-xylene	9.18	106	118861	5.646	ug/L	100
54) o-xylene	9.59	106	110650	5.656	ug/L	100
55) Styrene	9.60	104	192459	5.778	ug/L	100
56) Isopropylbenzene	9.97	105	311208	5.744	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	44838	5.784	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	35582	5.074	ug/L	100
61) Bromoform	9.77	173	27646	5.788	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	143547	5.342	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	145411	5.275	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	133712	5.342	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	7358	5.193	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	117064	5.518	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	96642	5.748	ug/L	100
69) Naphthalene	13.55	128	147671	5.728	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	89923	5.906	ug/L	100

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

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ALS Vial      : 4      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

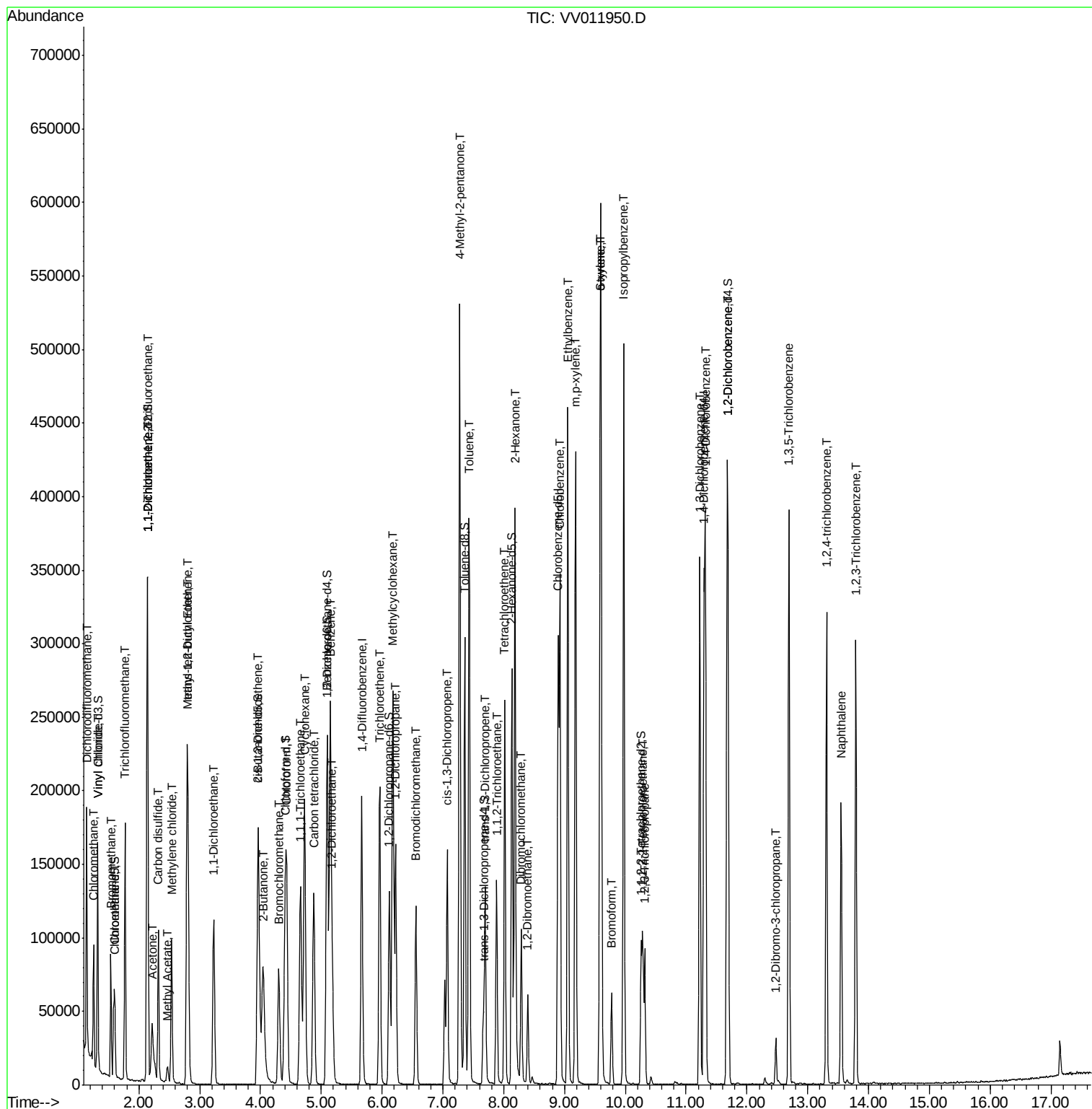
Quant Time: Jul 23 06:55:16 2019

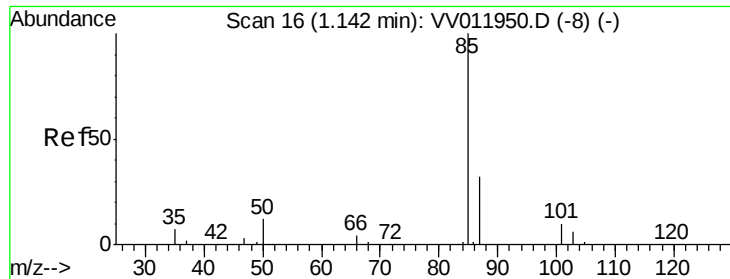
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR072219WMA.M

Quant Title : TRACE VOA SOM01.0

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

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.363 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

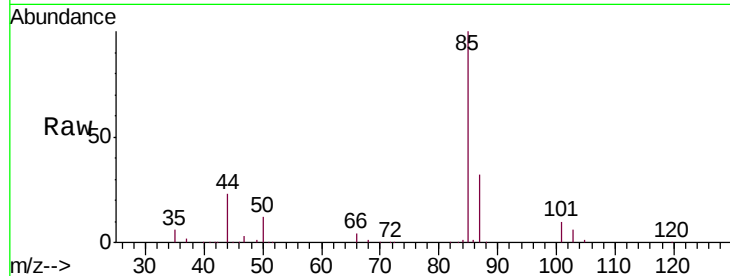
VSTD00533

Tgt Ion: 85 Resp: 89644

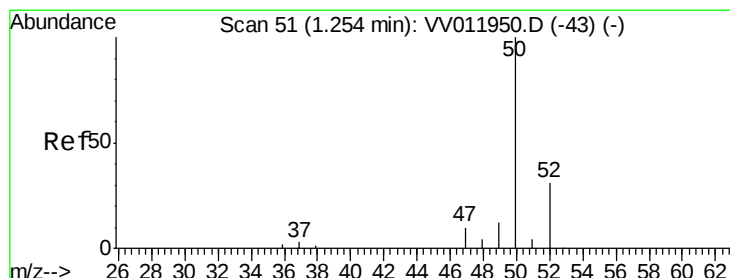
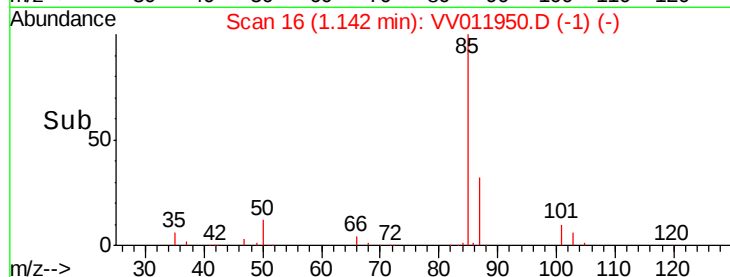
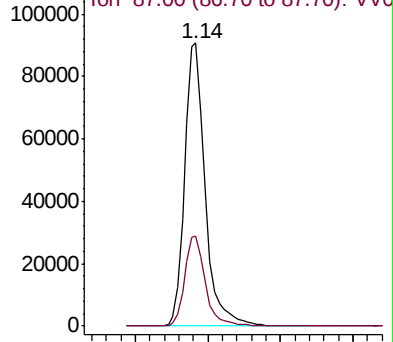
Ion Ratio Lower Upper

85 100

87 32.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV011950.D (-8) (-)



#3

Chloromethane

Concen: 3.500 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011950.D

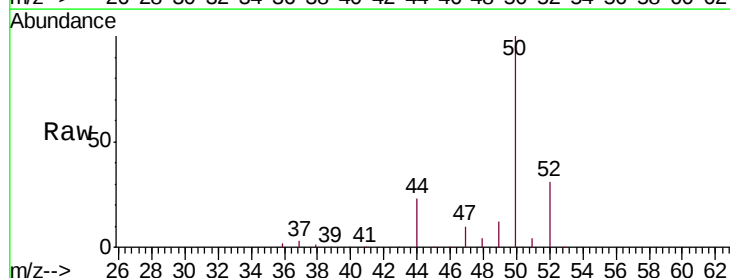
Acq: 22 Jul 2019 16:01

Tgt Ion: 50 Resp: 51883

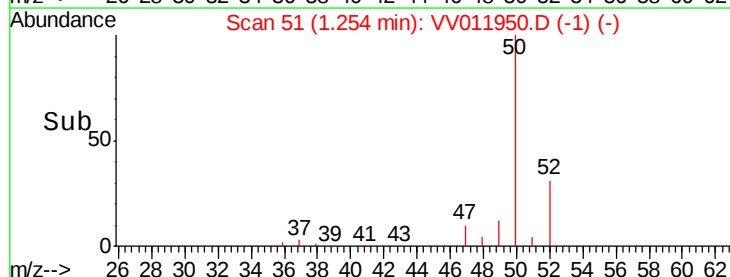
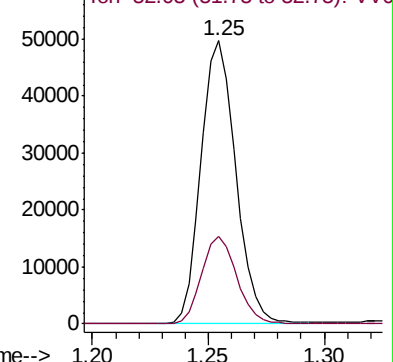
Ion Ratio Lower Upper

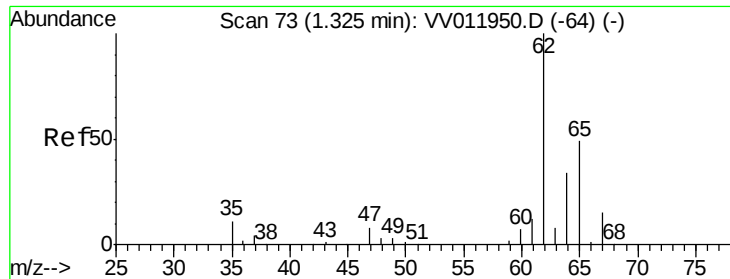
50 100

52 30.9 21.6 40.2



Abundance Ion 50.05 (49.75 to 50.75): VV011950.D (-43) (-)





#5

Vinyl chloride

Concen: 3.723 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

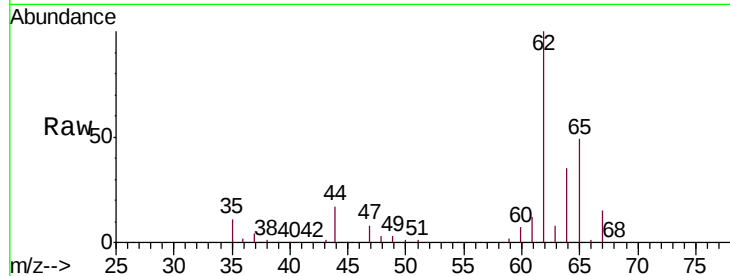
VSTD00533

Tgt Ion: 62 Resp: 53553

Ion Ratio Lower Upper

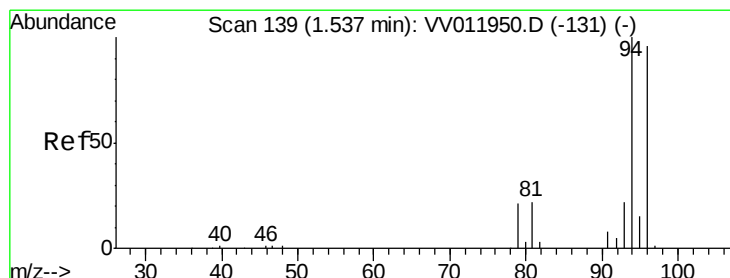
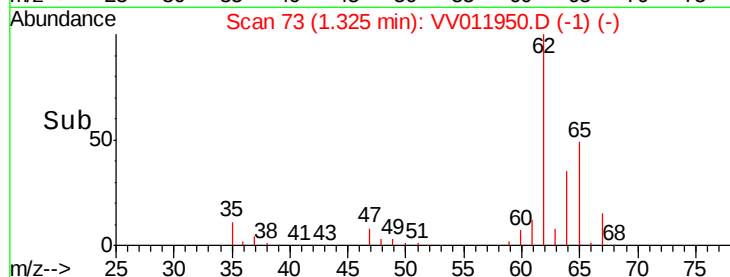
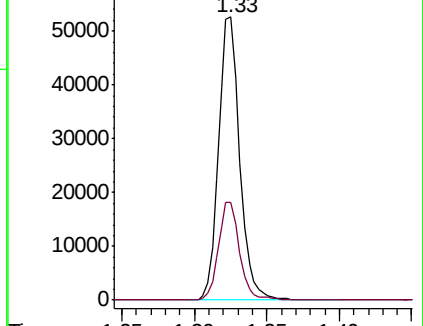
62 100

64 34.7 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 3.819 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV011950.D

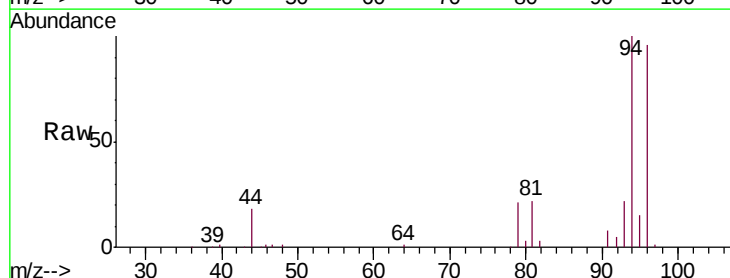
Acq: 22 Jul 2019 16:01

Tgt Ion: 94 Resp: 32289

Ion Ratio Lower Upper

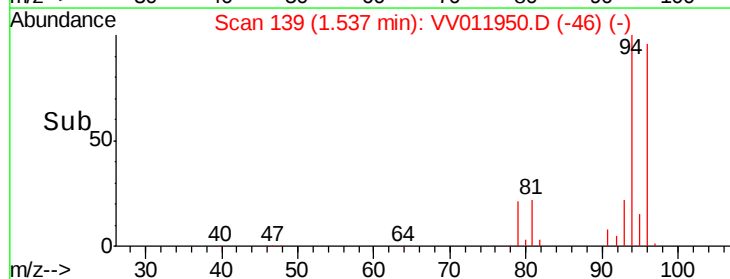
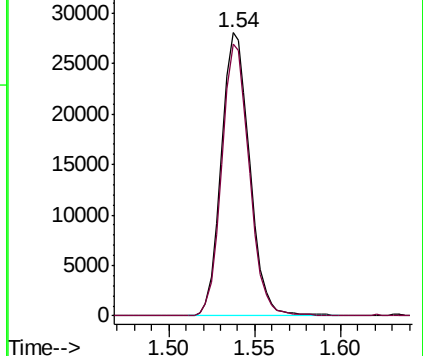
94 100

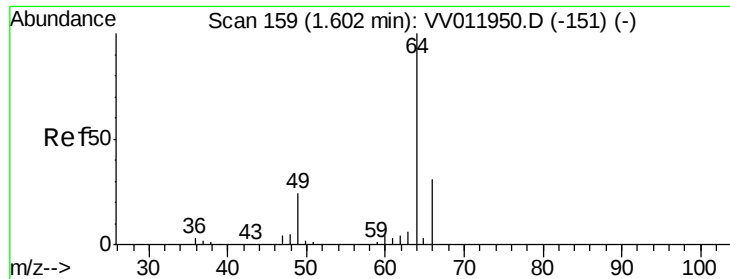
96 96.2 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 3.806 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

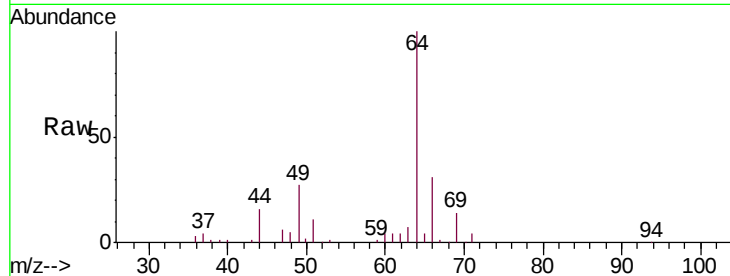
VSTD00533

Tgt Ion: 64 Resp: 31100

Ion Ratio Lower Upper

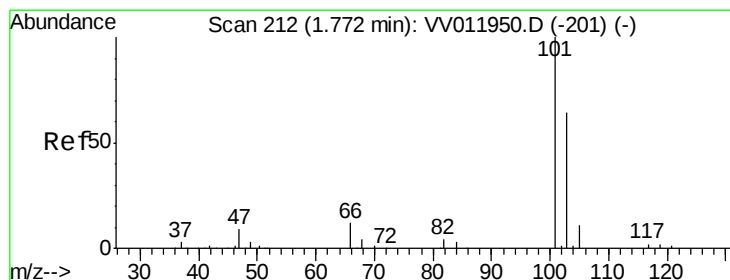
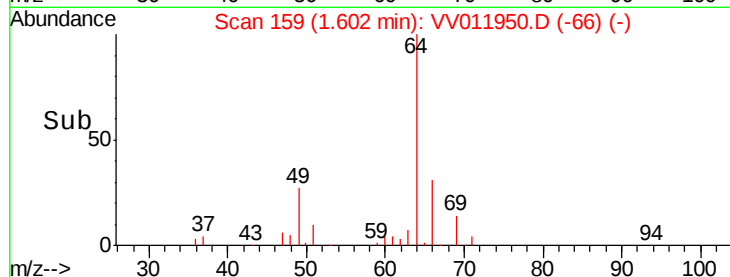
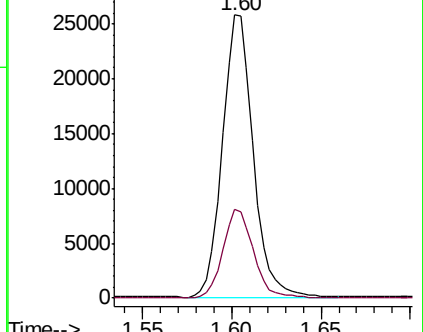
64 100

66 31.2 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: 5.163 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV011950.D

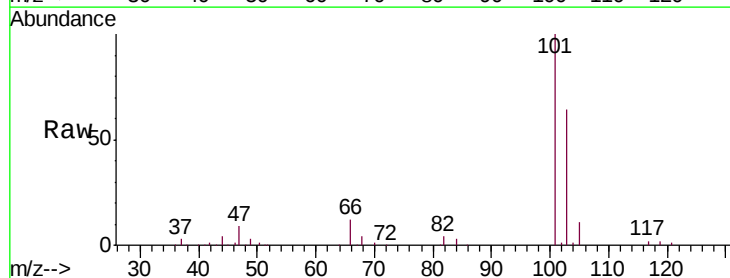
Acq: 22 Jul 2019 16:01

Tgt Ion: 101 Resp: 99631

Ion Ratio Lower Upper

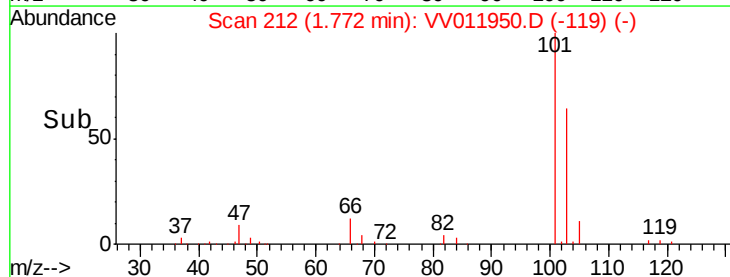
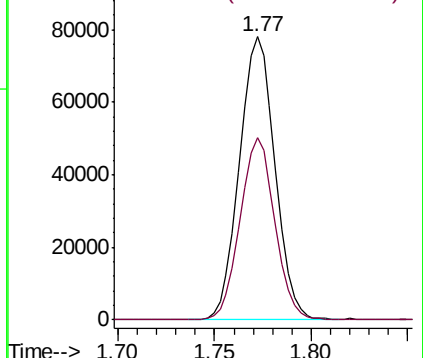
101 100

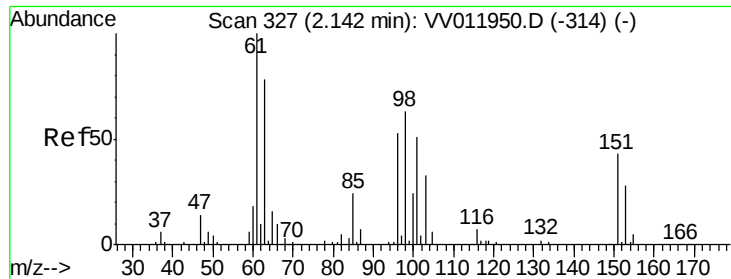
103 63.0 50.4 75.6



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: 4.766 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

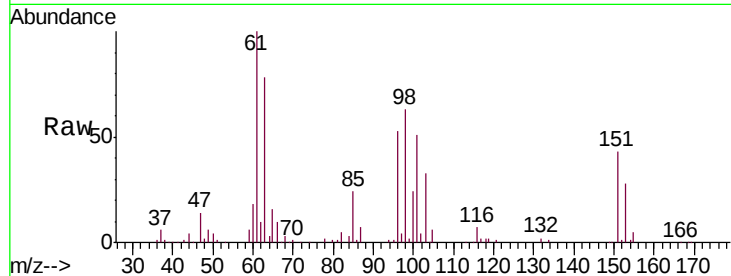
Tgt Ion: 101 Resp: 43484

Ion Ratio Lower Upper

101 100

85 46.3 37.0 55.6

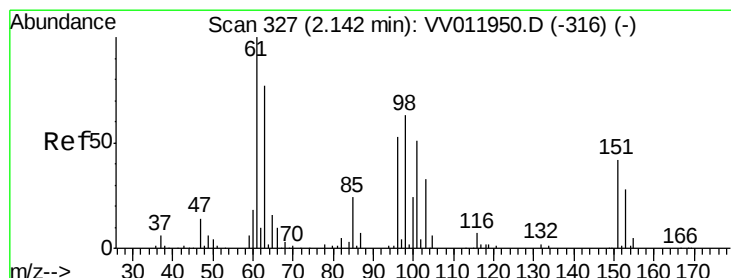
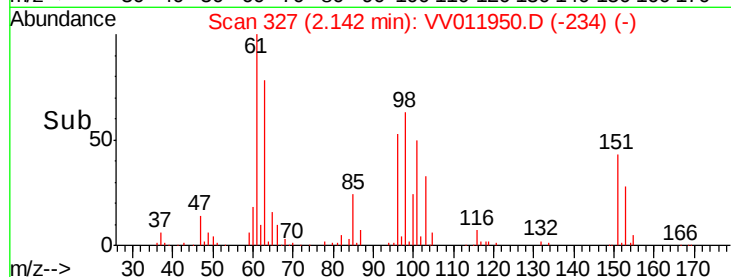
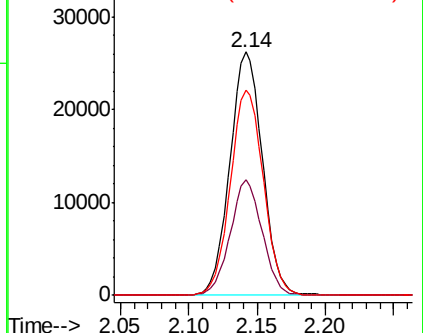
151 85.4 68.3 102.5



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: 4.672 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

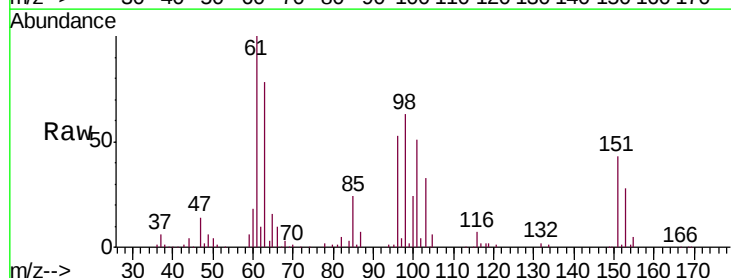
Tgt Ion: 96 Resp: 39211

Ion Ratio Lower Upper

96 100

61 189.6 132.7 246.5

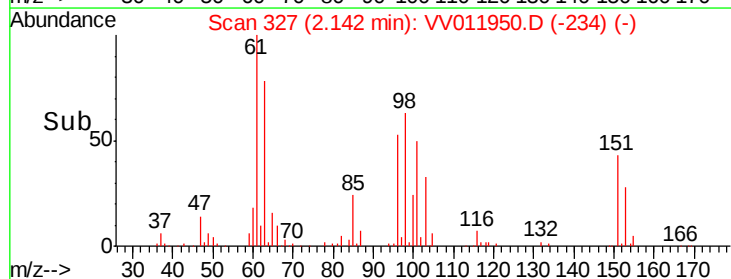
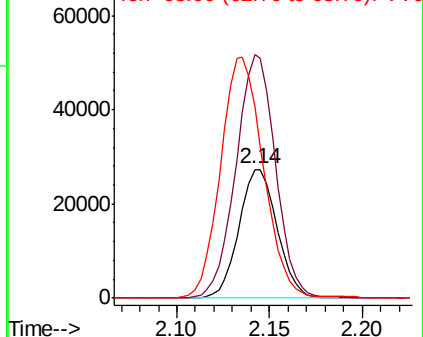
63 148.5 104.0 193.1

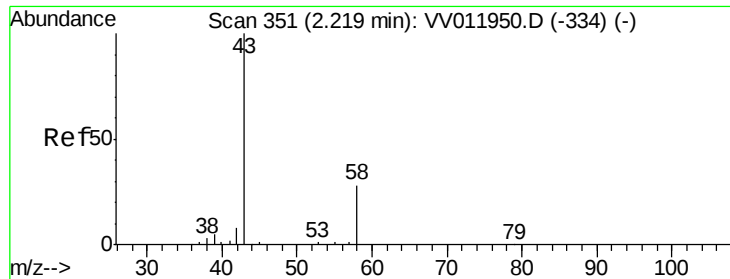


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 46.498 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

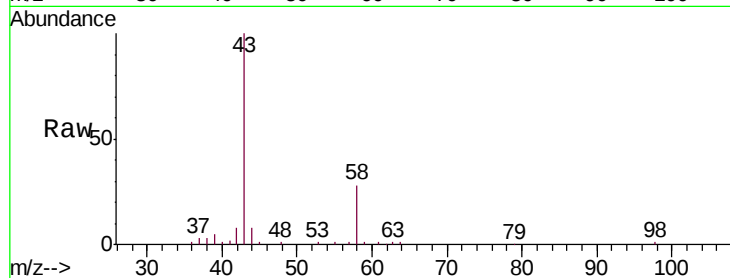
VSTD00533

Tgt Ion: 43 Resp: 69728

Ion Ratio Lower Upper

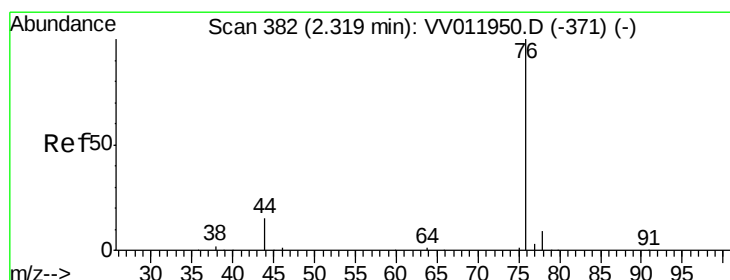
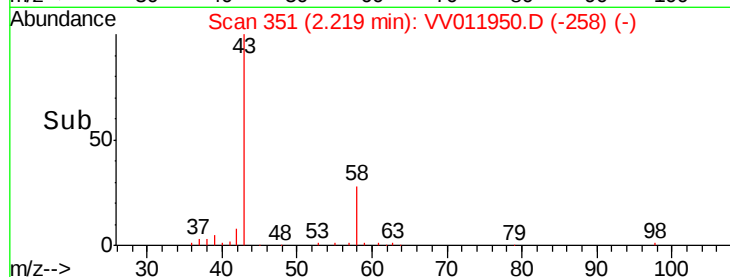
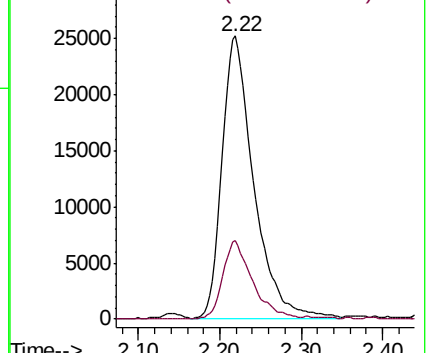
43 100

58 25.9 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.612 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV011950.D

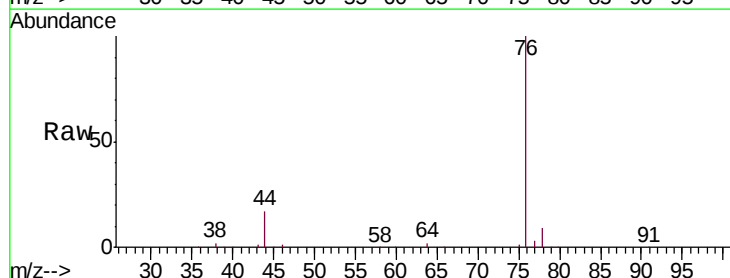
Acq: 22 Jul 2019 16:01

Tgt Ion: 76 Resp: 110468

Ion Ratio Lower Upper

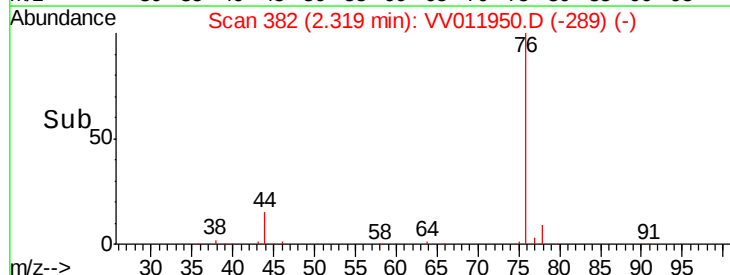
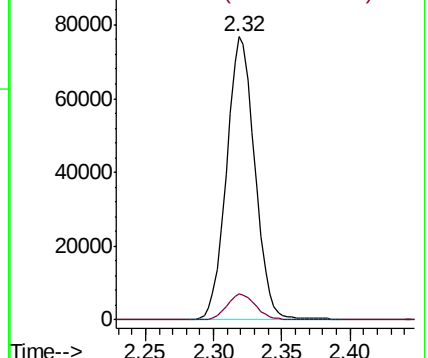
76 100

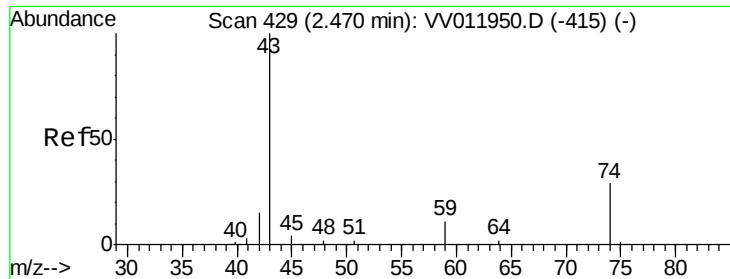
78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 4.290 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

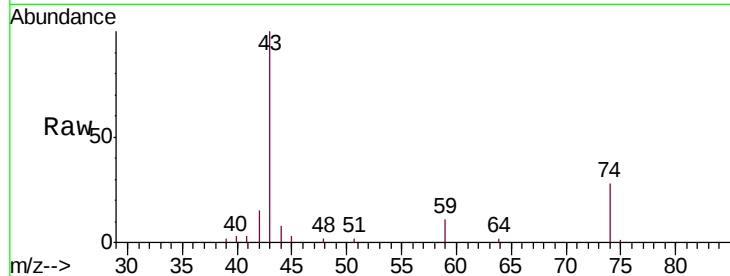
VSTD00533

Tgt Ion: 43 Resp: 13249

Ion Ratio Lower Upper

43 100

74 29.3 23.4 35.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.47

8000

6000

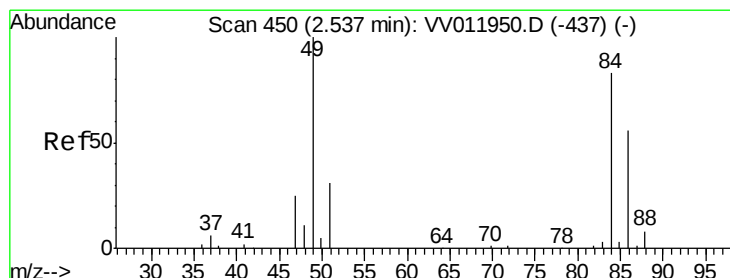
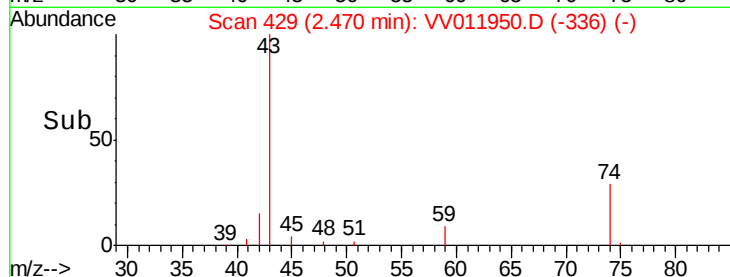
4000

2000

0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 4.374 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

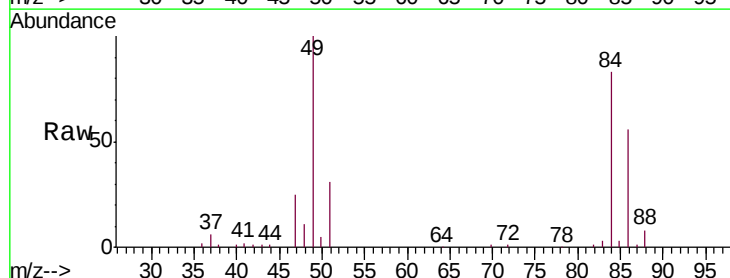
Tgt Ion: 84 Resp: 38787

Ion Ratio Lower Upper

84 100

86 68.0 47.6 88.4

49 120.4 84.3 156.5



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

40000

30000

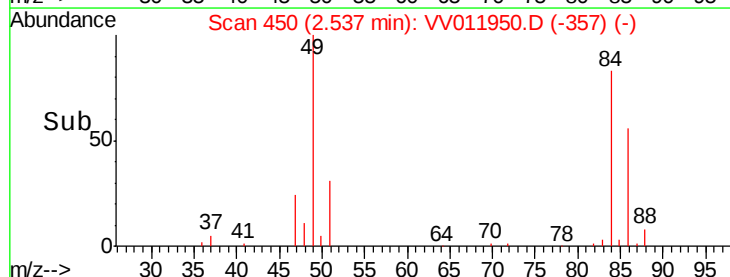
20000

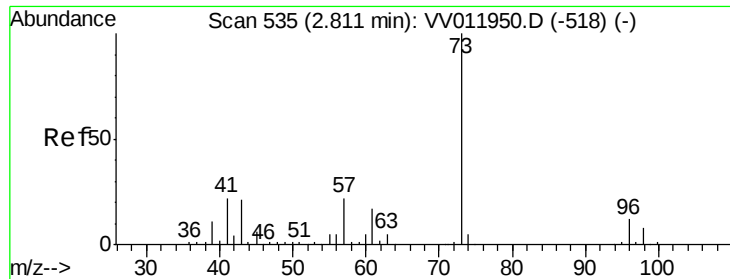
10000

0

Time-->

2.50 2.55 2.60





#17

Methyl tert-butyl Ether

Concen: 5.246 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

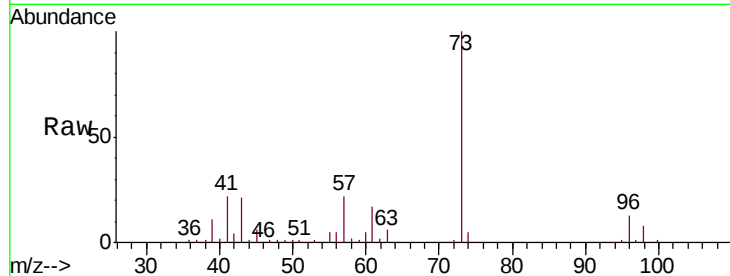
Tgt Ion: 73 Resp: 136340

Ion Ratio Lower Upper

73 100

43 21.2 17.0 25.4

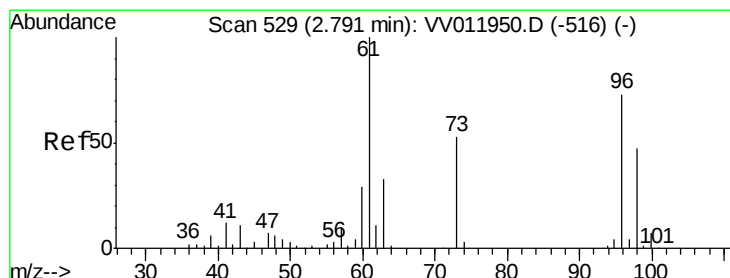
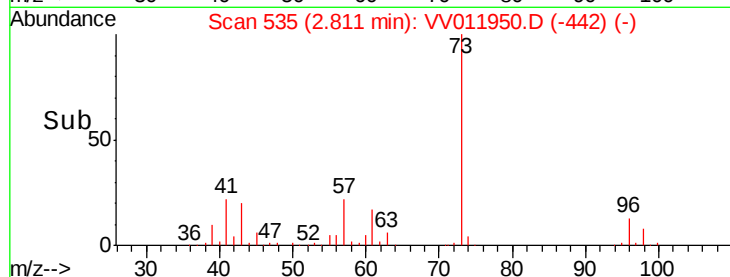
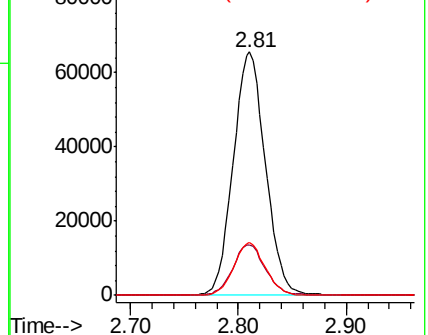
57 21.3 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VV011950.D (-518) (-)

Ion 43.05 (42.75 to 43.75): VV011950.D (-518) (-)

Ion 57.10 (56.80 to 57.80): VV011950.D (-518) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.020 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

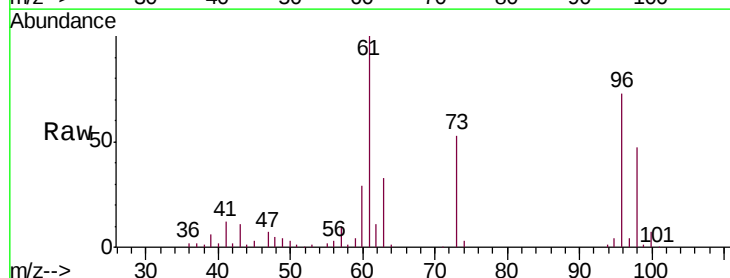
Tgt Ion: 96 Resp: 60369

Ion Ratio Lower Upper

96 100

61 136.3 95.4 177.2

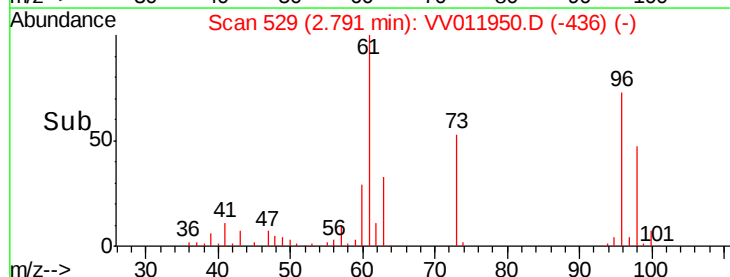
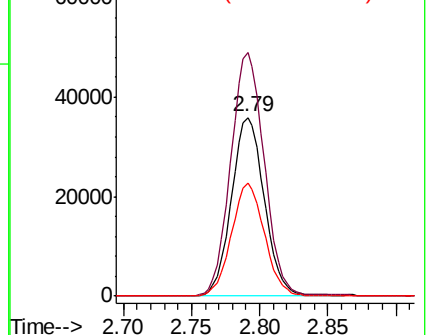
98 63.5 44.4 82.5

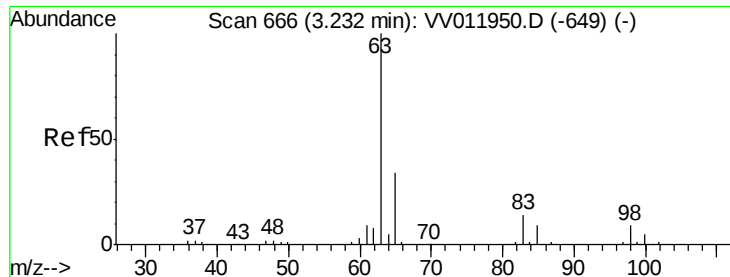


Abundance Ion 96.00 (95.70 to 96.70): VV011950.D (-516) (-)

Ion 61.05 (60.75 to 61.75): VV011950.D (-516) (-)

Ion 97.95 (97.65 to 98.65): VV011950.D (-516) (-)

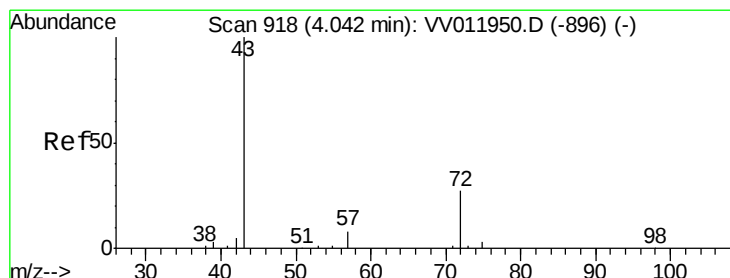
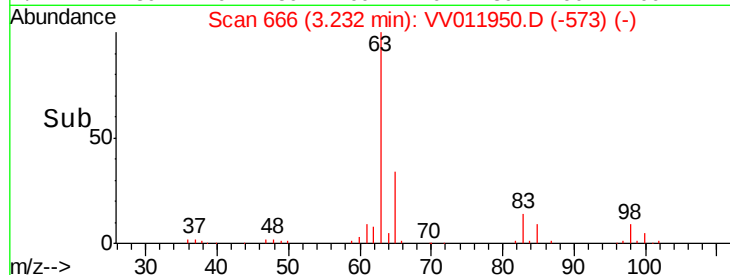
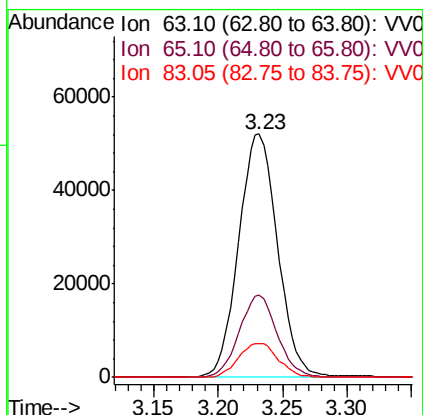
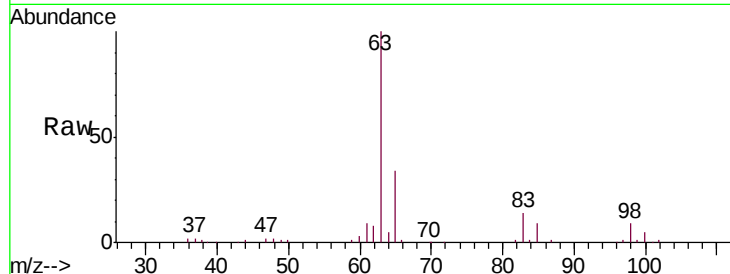




#19
 1,1-Dichloroethane
 Concen: 4.874 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

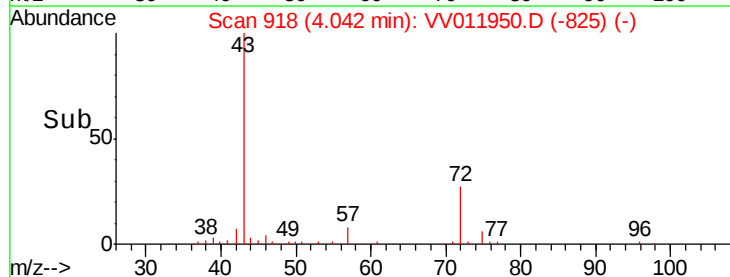
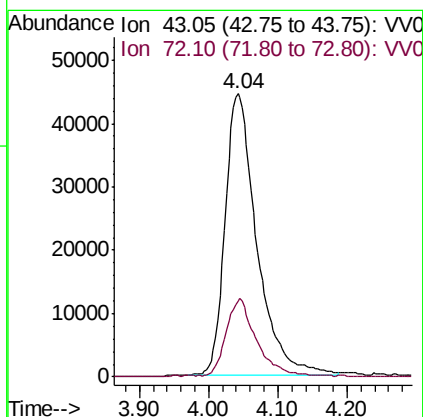
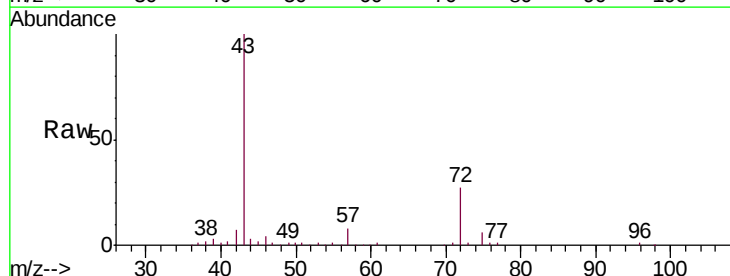
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

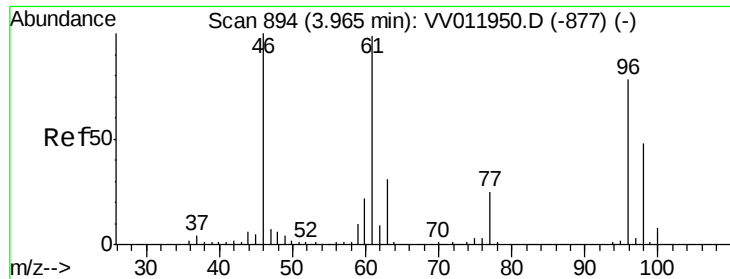
Tgt Ion: 63 Resp: 109814
 Ion Ratio Lower Upper
 63 100
 65 33.6 23.5 43.7
 83 13.9 9.7 18.1



#21
 2-Butanone
 Concen: 48.609 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

Tgt Ion: 43 Resp: 141244
 Ion Ratio Lower Upper
 43 100
 72 27.2 13.6 40.8



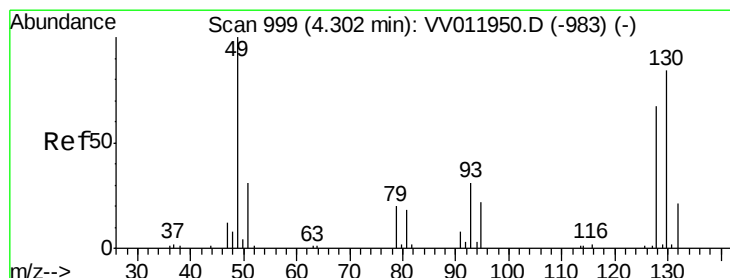
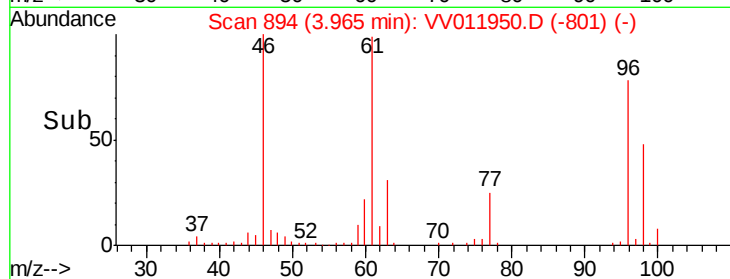
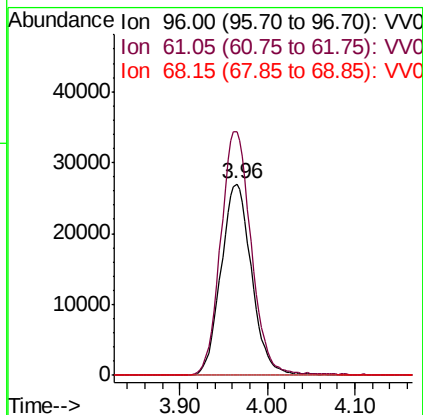
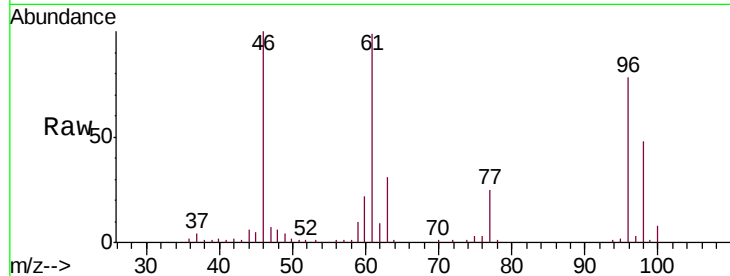


#22

cis-1,2-Dichloroethene
 Concen: 5.235 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

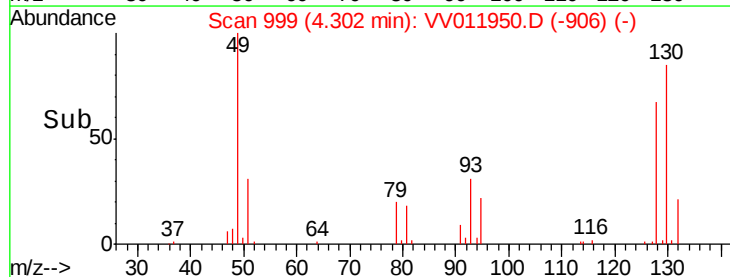
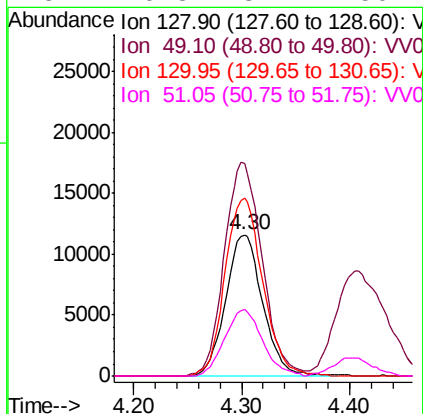
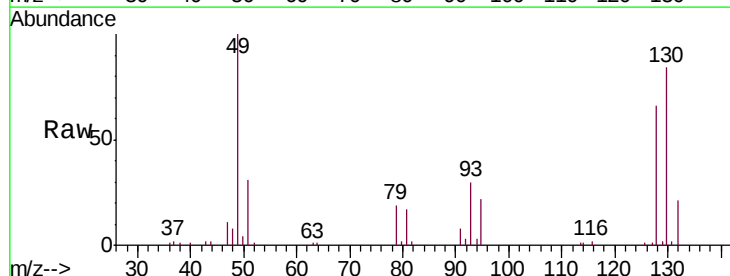
Tgt Ion: 96 Resp: 65677
 Ion Ratio Lower Upper
 96 100
 61 127.1 89.0 165.2
 68 0.0 0.0 0.0

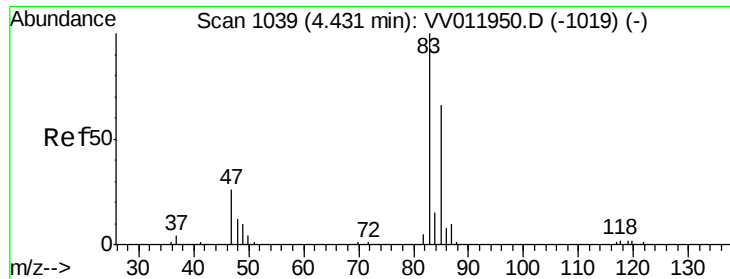


#23

Bromochloromethane
 Concen: 5.397 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

Tgt Ion: 128 Resp: 27729
 Ion Ratio Lower Upper
 128 100
 49 150.7 105.5 195.9
 130 126.3 88.4 164.2
 51 46.8 37.4 56.2

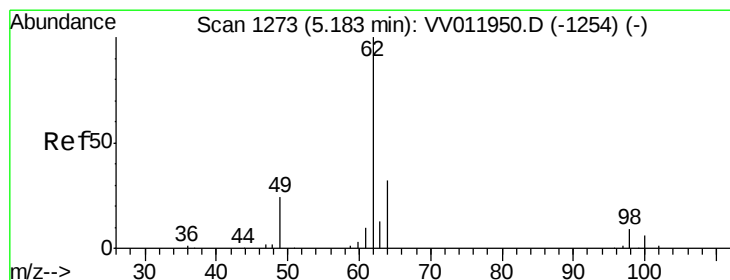
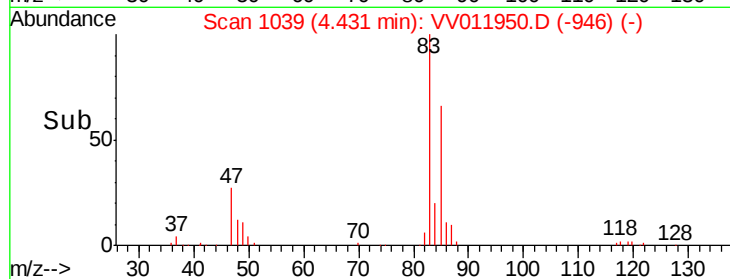
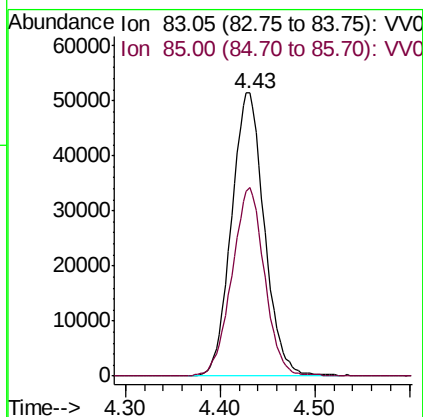
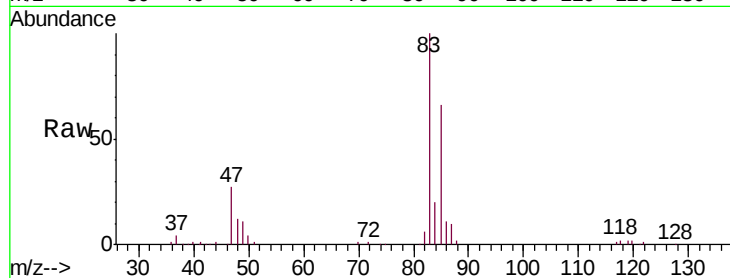




#25
Chloroform
Concen: 5.026 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV011950.D
Acq: 22 Jul 2019 16:01

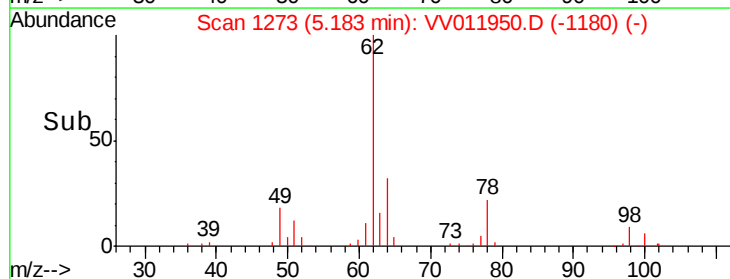
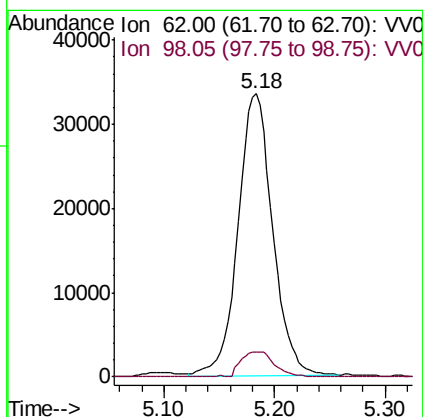
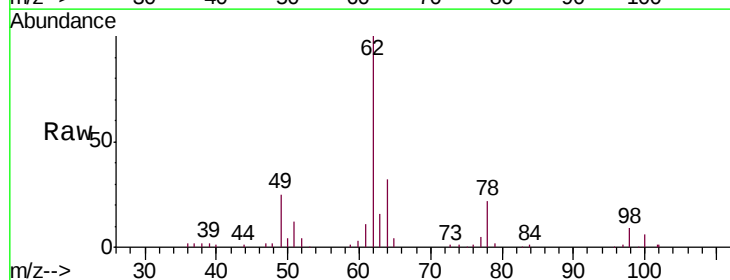
Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

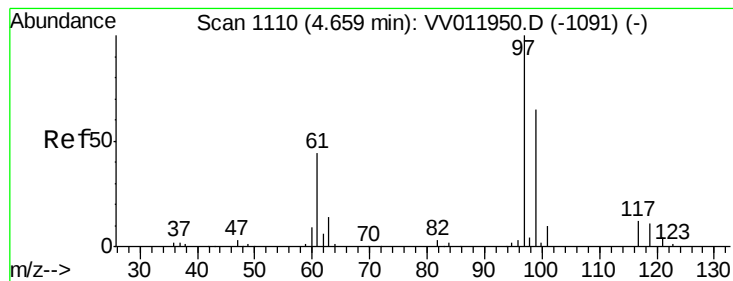
Tgt Ion: 83 Resp: 124144
Ion Ratio Lower Upper
83 100
85 66.4 46.5 86.3



#27
1,2-Dichloroethane
Concen: 5.048 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV011950.D
Acq: 22 Jul 2019 16:01

Tgt Ion: 62 Resp: 72562
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 5.549 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

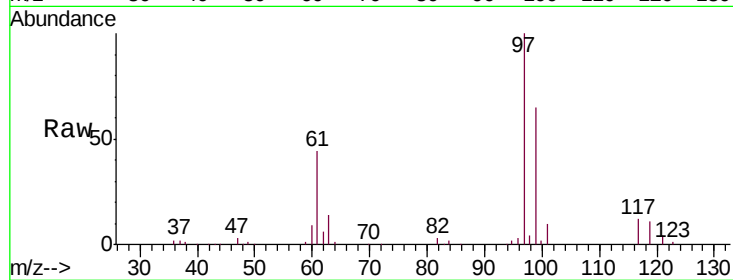
Tgt Ion: 97 Resp: 107407

Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

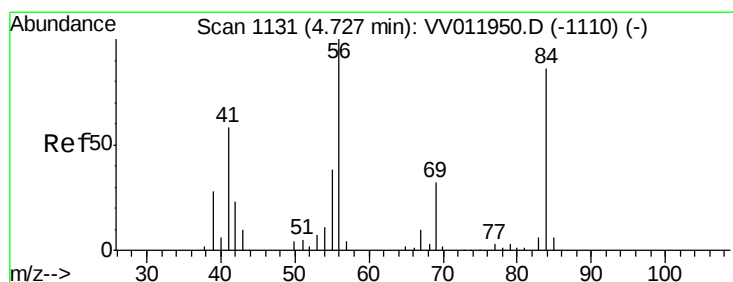
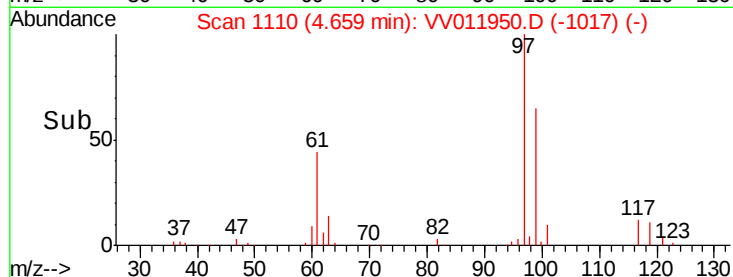
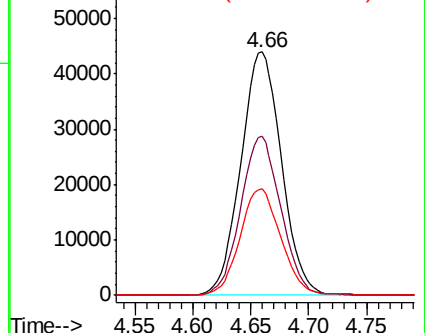
61 43.9 35.1 52.7



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: 4.949 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

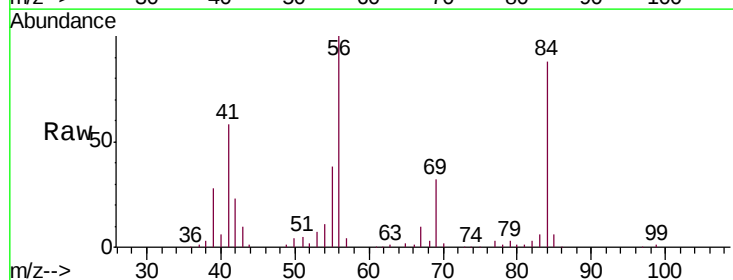
Tgt Ion: 56 Resp: 98595

Ion Ratio Lower Upper

56 100

69 31.8 25.4 38.2

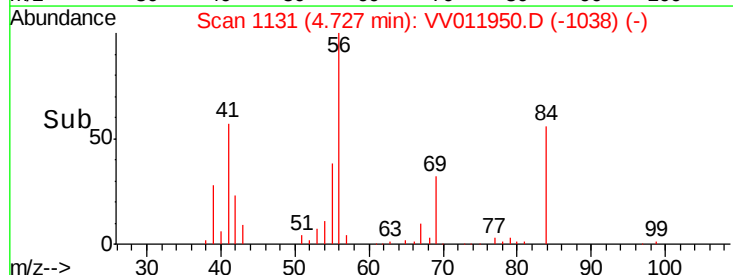
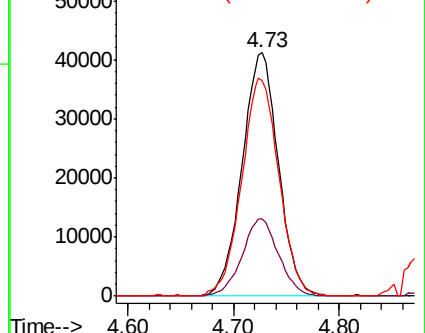
84 91.7 73.4 110.0

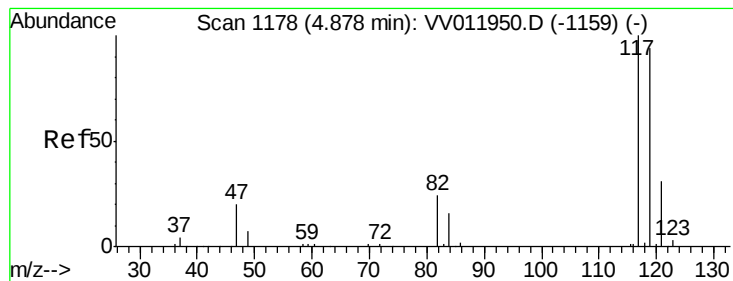


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.689 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

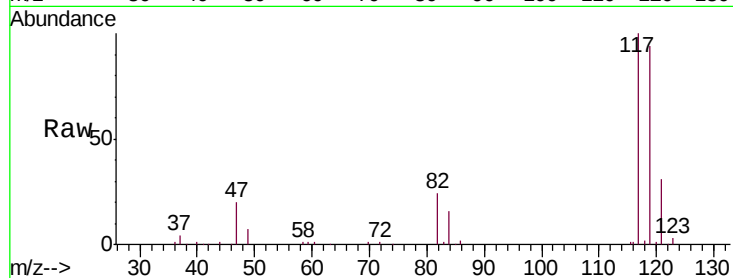
VSTD00533

Tgt Ion:117 Resp: 97030

Ion Ratio Lower Upper

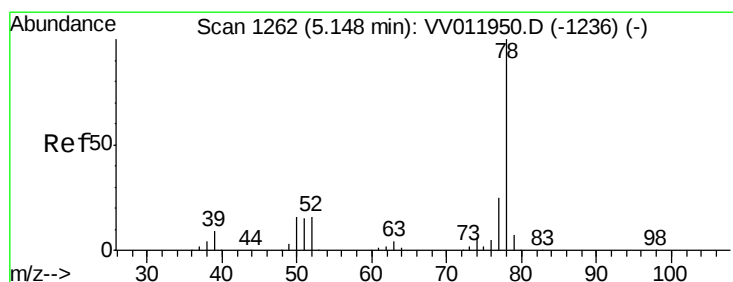
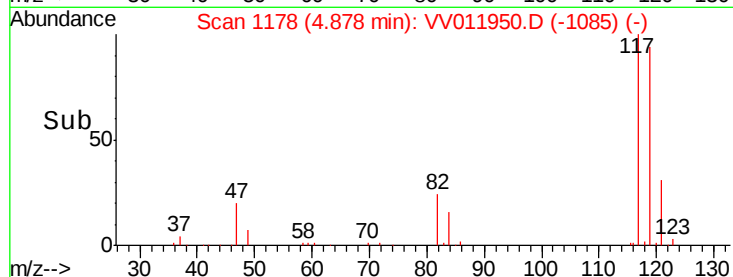
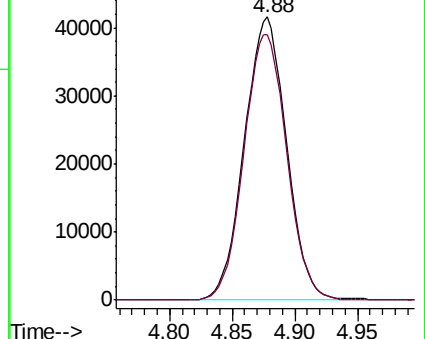
117 100

119 95.5 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: 5.127 ug/L

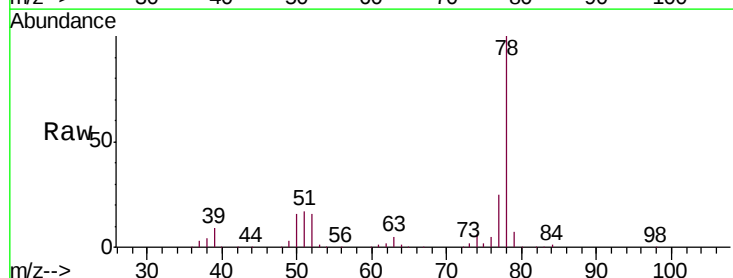
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

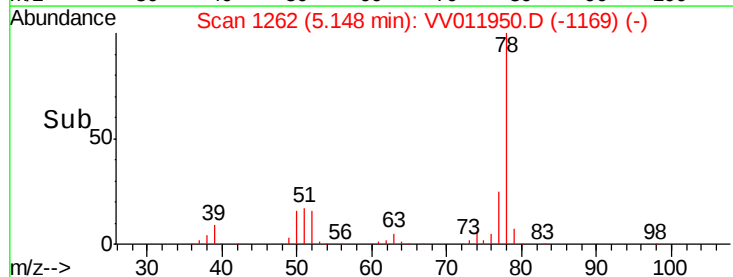
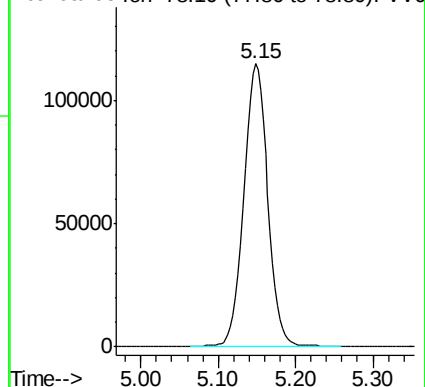
Lab File: VV011950.D

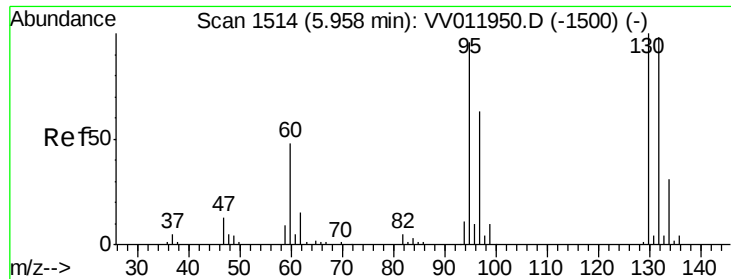
Acq: 22 Jul 2019 16:01

Tgt Ion: 78 Resp: 247192



Abundance Ion 78.10 (77.80 to 78.80): VV0

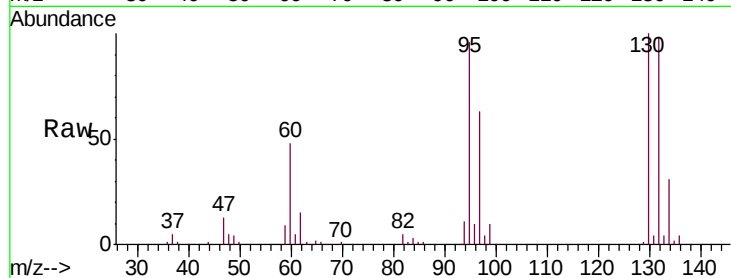




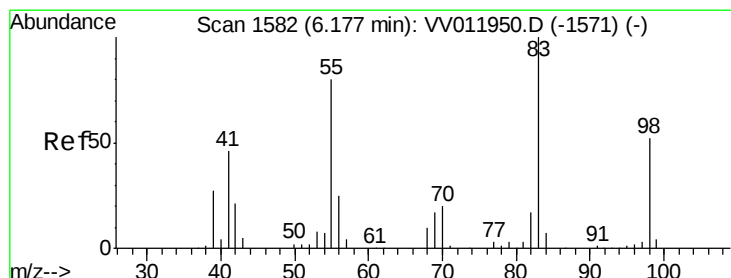
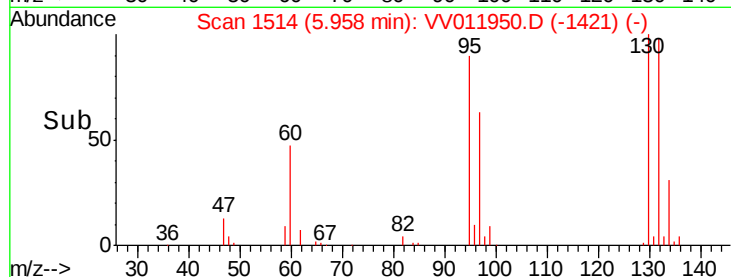
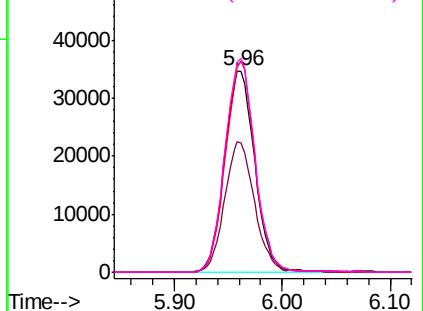
#34
 Trichloroethene
 Concen: 5.042 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00533

Tgt Ion: 95 Resp: 67675
 Ion Ratio Lower Upper
 95 100
 97 65.1 45.6 84.6
 132 101.8 71.3 132.3
 130 104.0 72.8 135.2

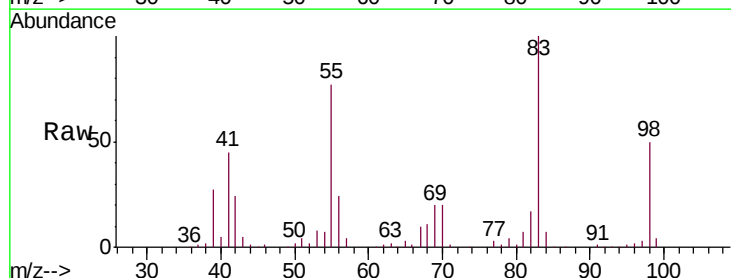


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

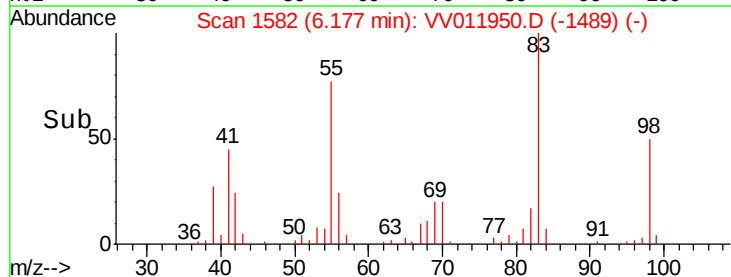
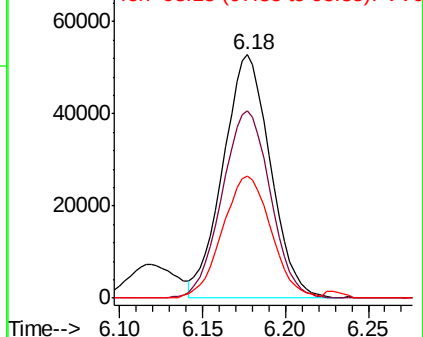


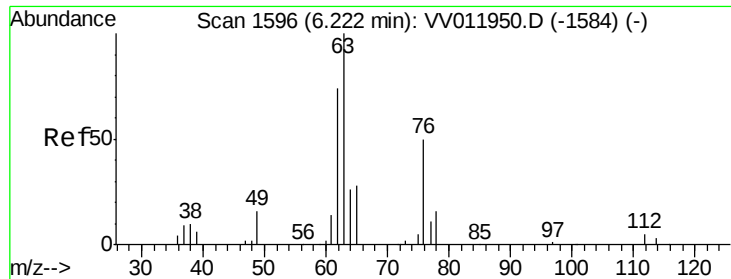
#35
 Methylcyclohexane
 Concen: 5.139 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

Tgt Ion: 83 Resp: 104794
 Ion Ratio Lower Upper
 83 100
 55 78.7 63.0 94.4
 98 51.7 41.4 62.0



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

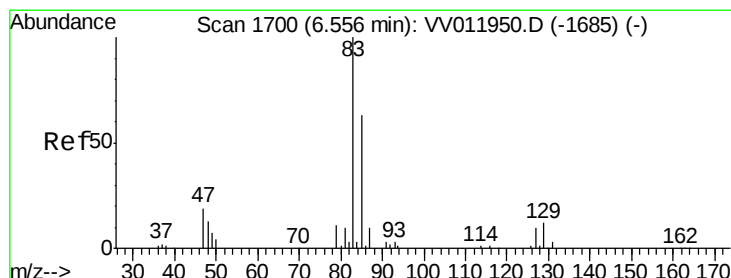
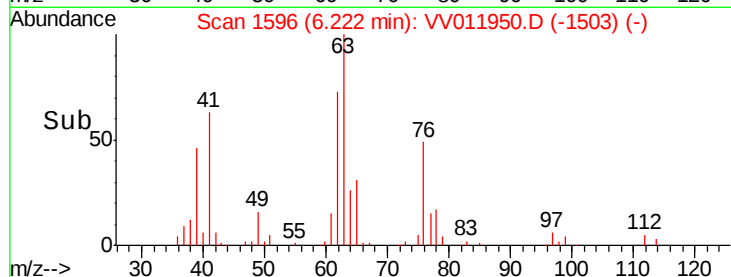
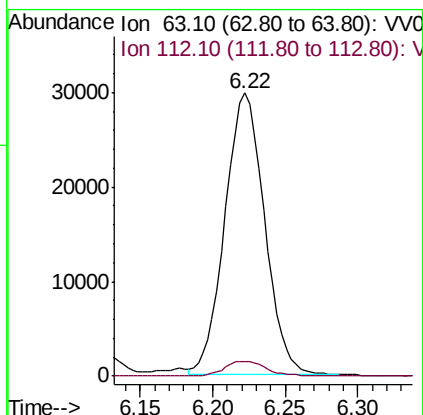
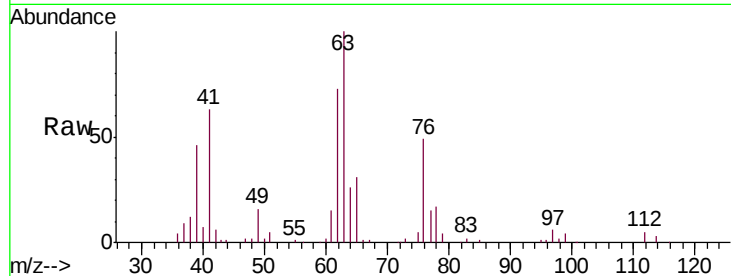




#37
 1,2-Dichloropropane
 Concen: 4.919 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

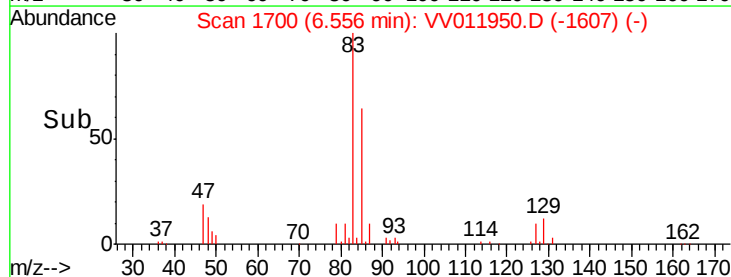
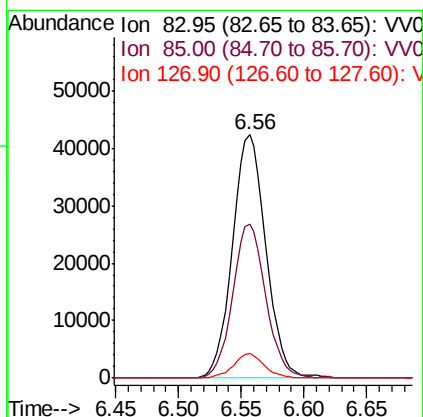
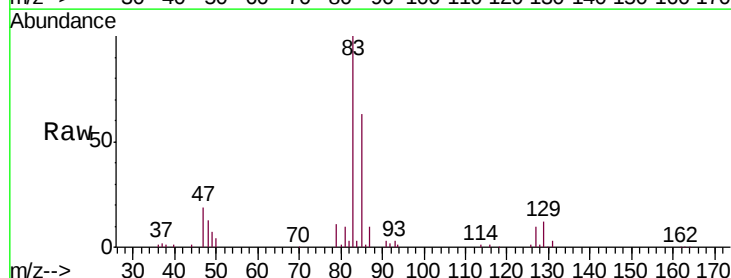
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

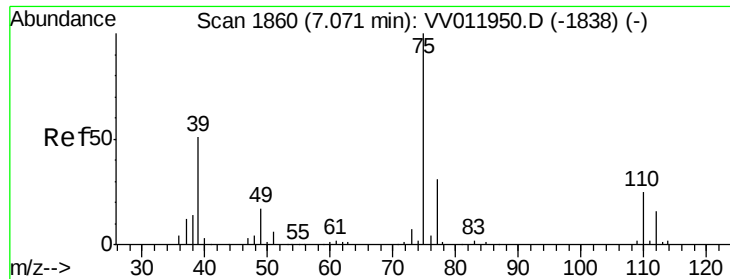
Tgt Ion: 63 Resp: 56794
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.2 6.4



#38
 Bromodichloromethane
 Concen: 5.364 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

Tgt Ion: 83 Resp: 78590
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.4 82.4
 127 9.9 7.9 11.9

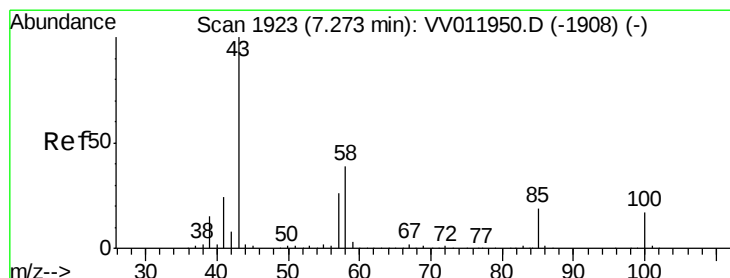
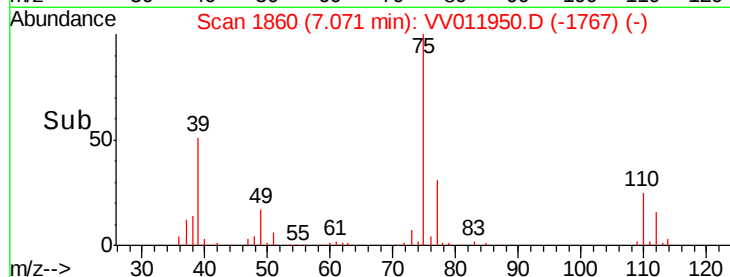
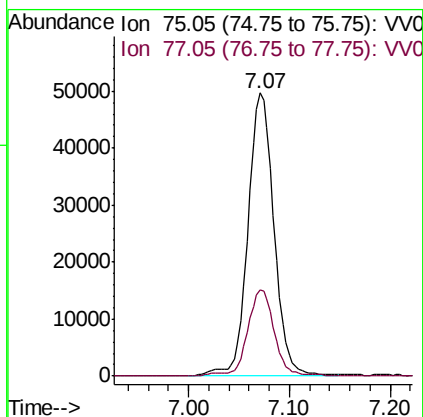
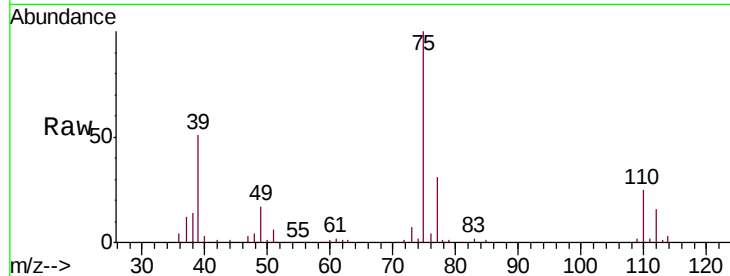




#39
 cis-1,3-Dichloropropene
 Concen: 5.454 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

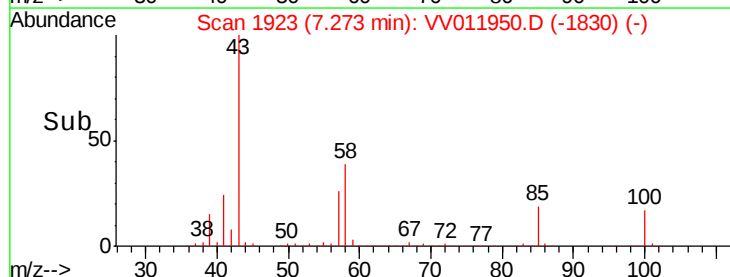
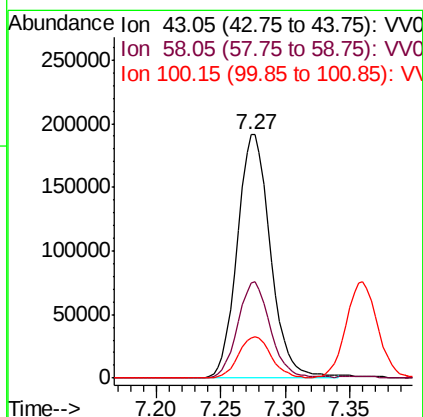
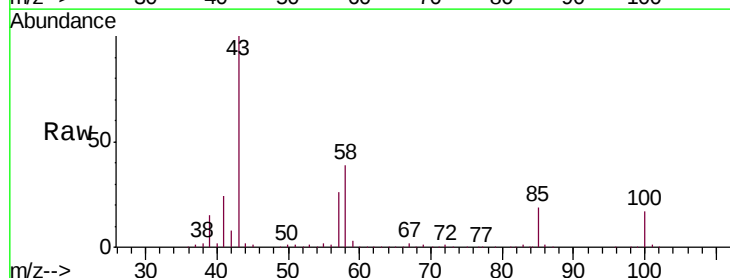
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00533

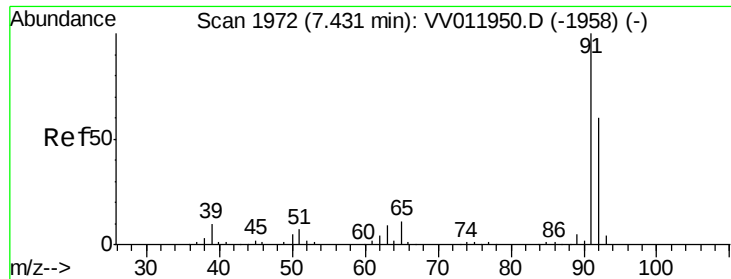
Tgt Ion: 75 Resp: 88684
 Ion Ratio Lower Upper
 75 100
 77 30.5 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 49.701 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

Tgt Ion: 43 Resp: 343487
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.2 46.8
 100 16.9 13.5 20.3





#42

Toluene

Concen: 5.321 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

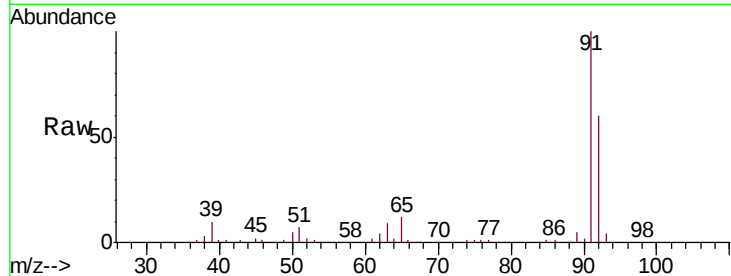
VSTD00533

Tgt Ion: 91 Resp: 269842

Ion Ratio Lower Upper

91 100

92 59.9 41.9 77.9



Abundance Ion 91.15 (90.85 to 91.85): VV011950.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV011950.D (-1958) (-)

7.43

150000

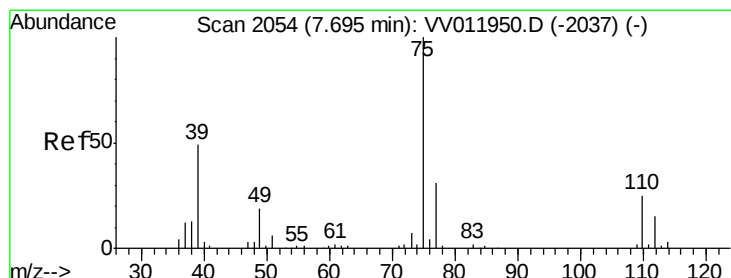
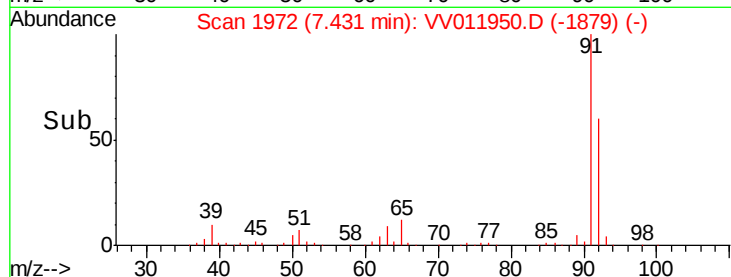
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.478 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011950.D

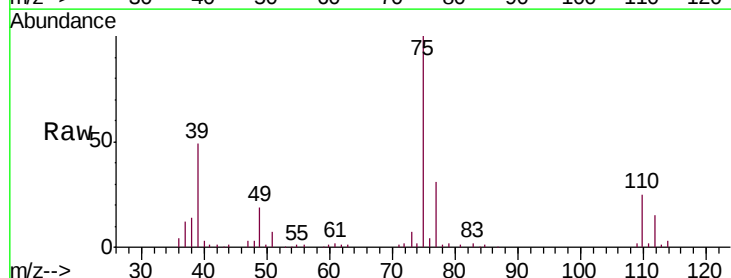
Acq: 22 Jul 2019 16:01

Tgt Ion: 75 Resp: 70951

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV011950.D (-2037) (-)

Ion 77.05 (76.75 to 77.75): VV011950.D (-2037) (-)

7.69

40000

30000

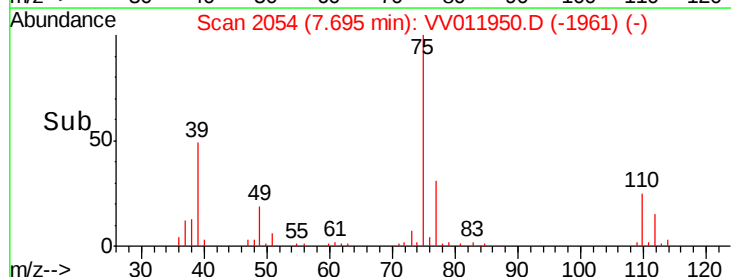
20000

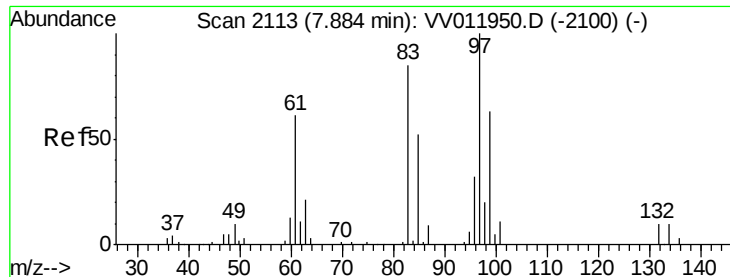
10000

0

7.60 7.65 7.70 7.75 7.80

Time-->

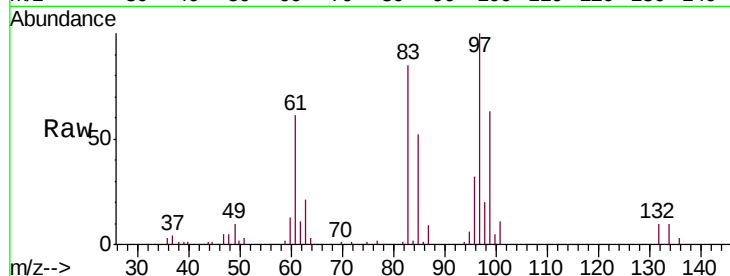




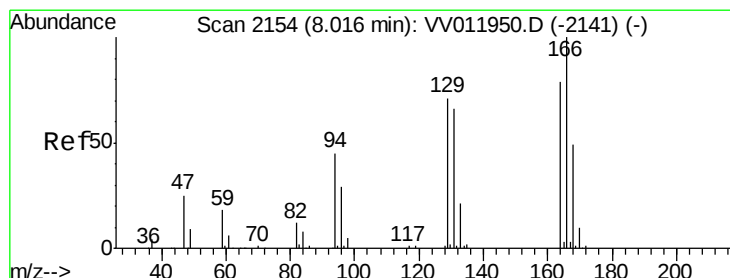
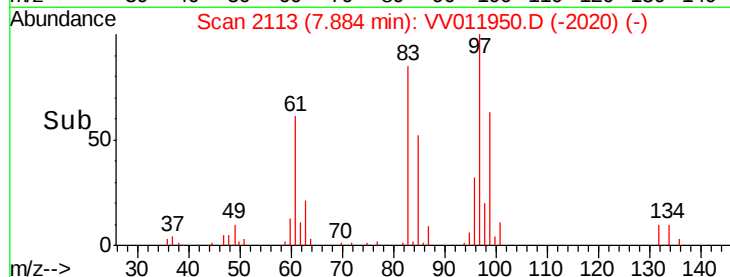
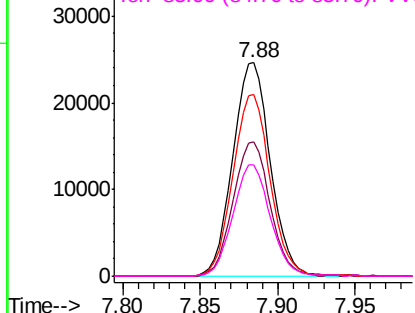
#45
 1,1,2-Trichloroethane
 Concen: 5.191 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion: 97 Resp: 41529
 Ion Ratio Lower Upper
 97 100
 99 62.9 44.0 81.8
 83 85.0 59.5 110.5
 85 52.3 36.6 68.0

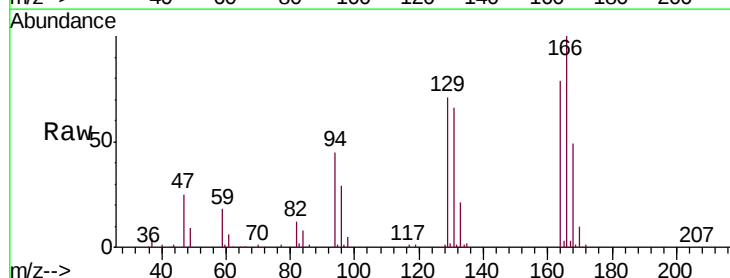


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

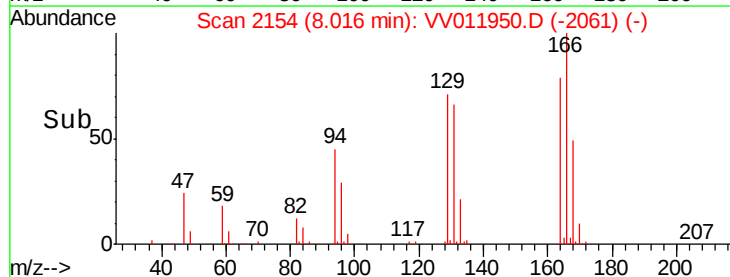
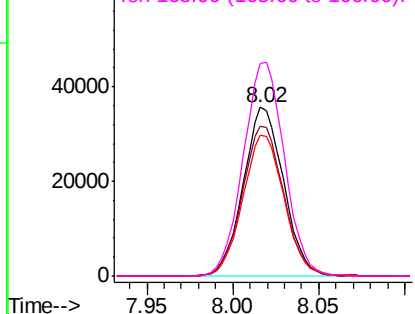


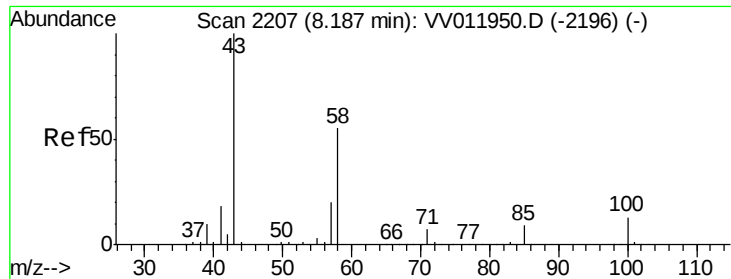
#47
 Tetrachloroethene
 Concen: 5.683 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

Tgt Ion: 164 Resp: 57805
 Ion Ratio Lower Upper
 164 100
 129 89.3 62.5 116.1
 131 83.7 58.6 108.8
 166 126.0 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

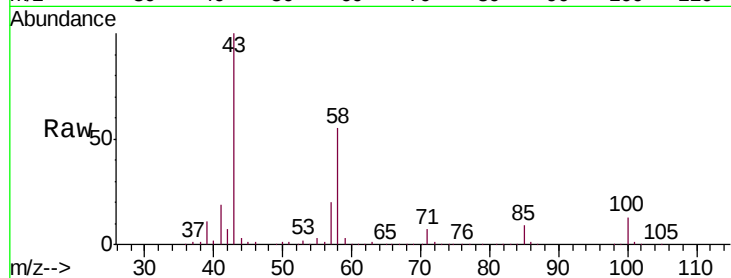




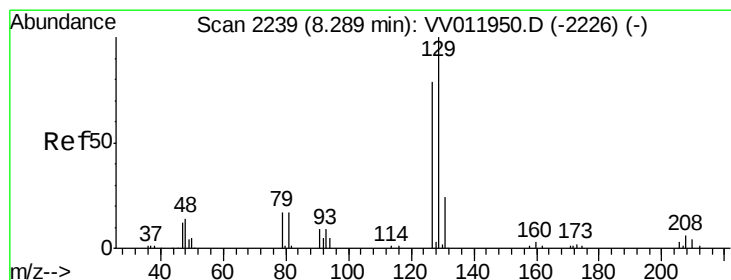
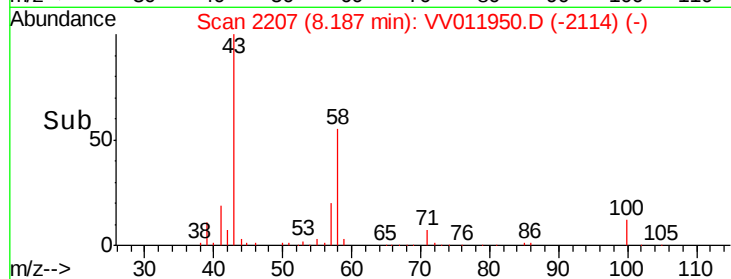
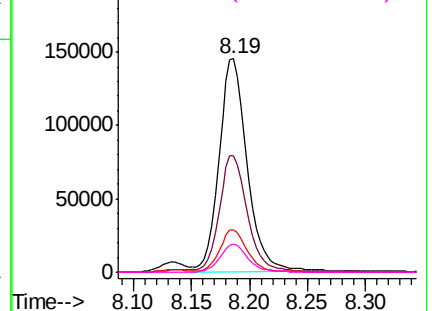
#48
2-Hexanone
Concen: 49.621 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011950.D
Acq: 22 Jul 2019 16:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Tgt Ion: 43 Resp: 244856
Ion Ratio Lower Upper
43 100
58 54.6 43.7 65.5
57 20.0 16.0 24.0
100 13.1 10.5 15.7

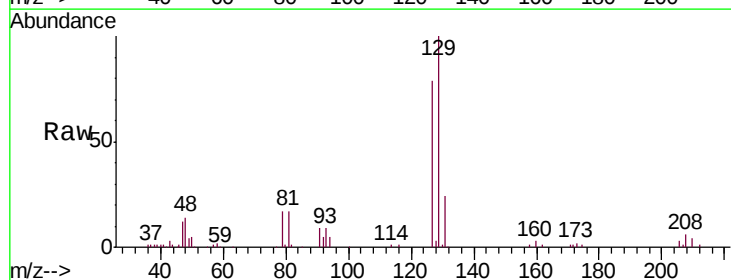


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

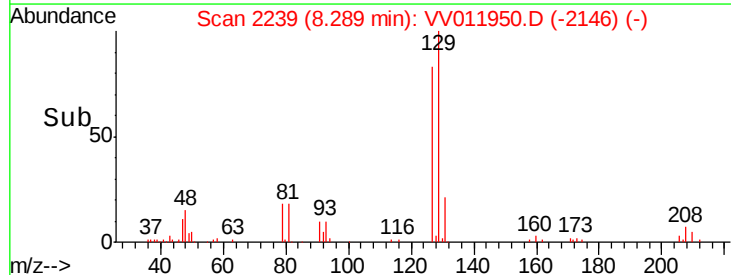
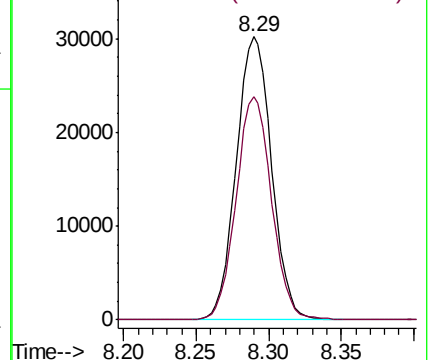


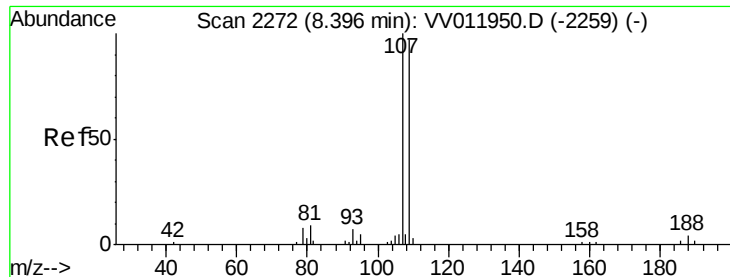
#49
Dibromochloromethane
Concen: 5.741 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011950.D
Acq: 22 Jul 2019 16:01

Tgt Ion: 129 Resp: 50974
Ion Ratio Lower Upper
129 100
127 79.0 55.3 102.7



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

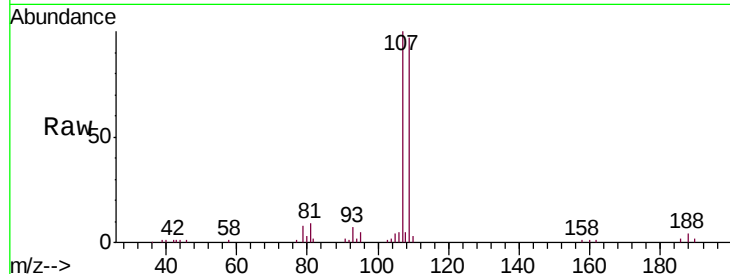




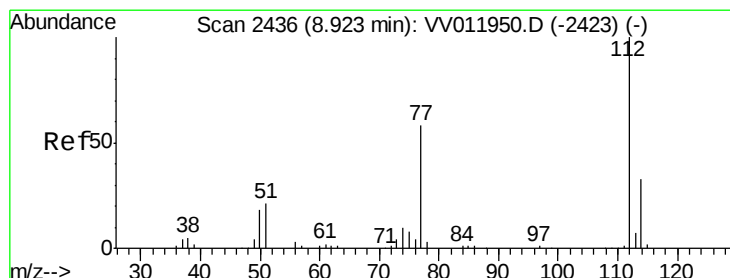
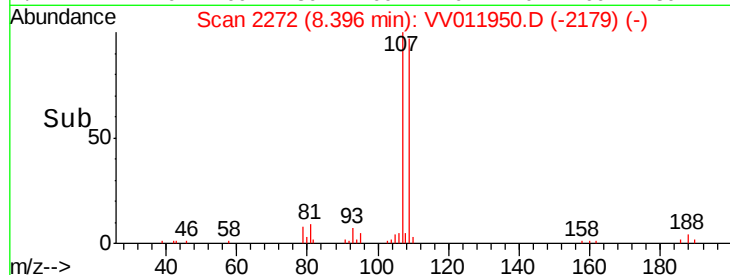
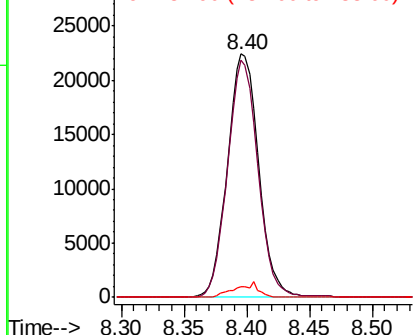
#50
1,2-Dibromoethane
Concen: 5.264 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011950.D
Acq: 22 Jul 2019 16:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Tgt Ion:107 Resp: 38788
Ion Ratio Lower Upper
107 100
109 97.3 68.1 126.5
188 4.4 3.5 5.3

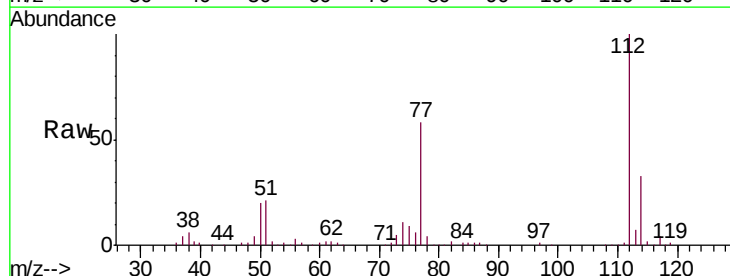


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

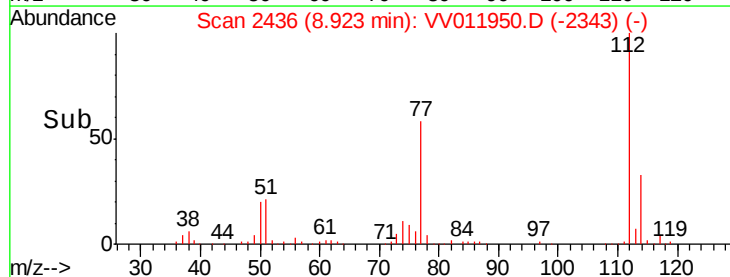
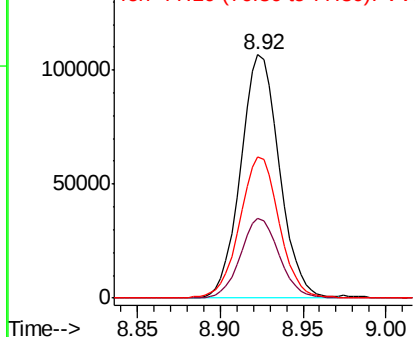


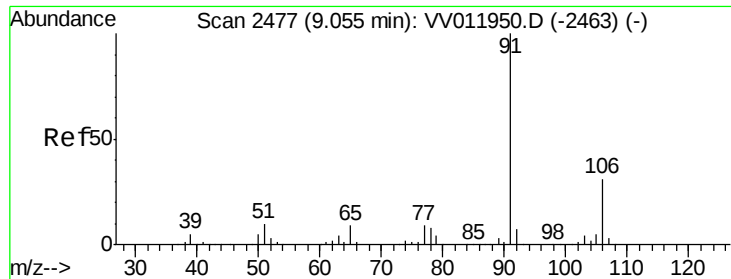
#51
Chlorobenzene
Concen: 5.356 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011950.D
Acq: 22 Jul 2019 16:01

Tgt Ion:112 Resp: 173078
Ion Ratio Lower Upper
112 100
114 32.9 23.0 42.8
77 58.0 46.4 69.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.455 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

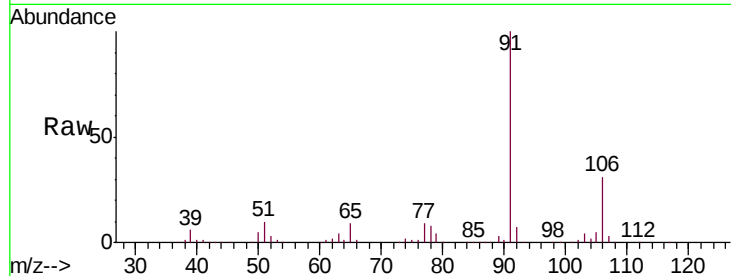
VSTD00533

Tgt Ion: 91 Resp: 306929

Ion Ratio Lower Upper

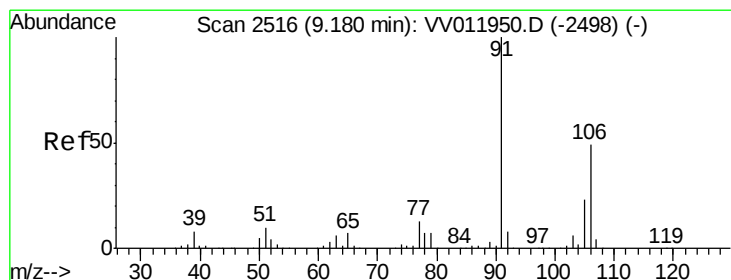
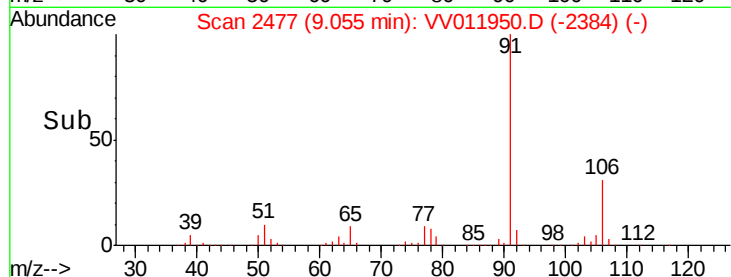
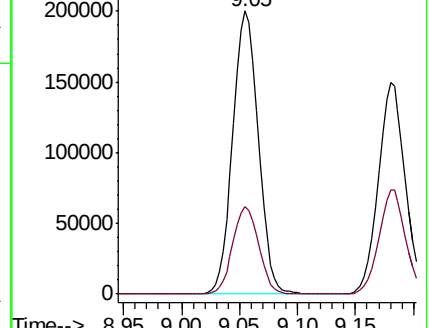
91 100

106 30.8 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV011950.D (-2463) (-)

Ion 106.15 (105.85 to 106.85): VV011950.D (-2463) (-)



#53

m,p-xylene

Concen: 5.646 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011950.D

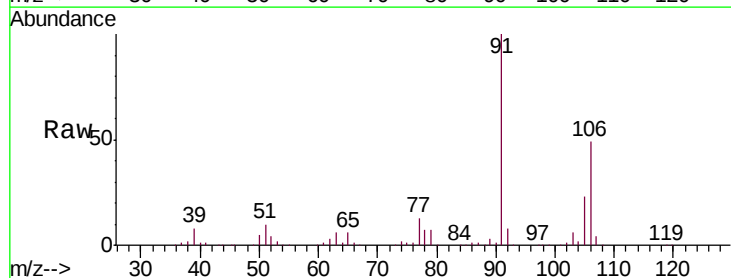
Acq: 22 Jul 2019 16:01

Tgt Ion: 106 Resp: 118861

Ion Ratio Lower Upper

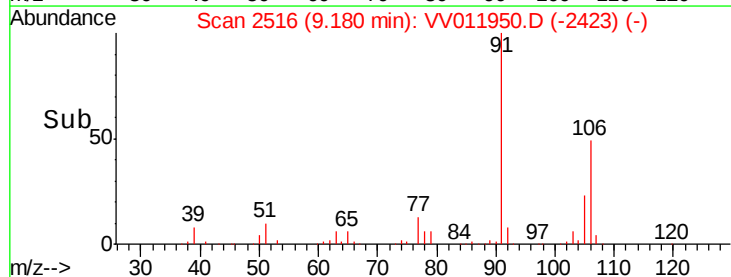
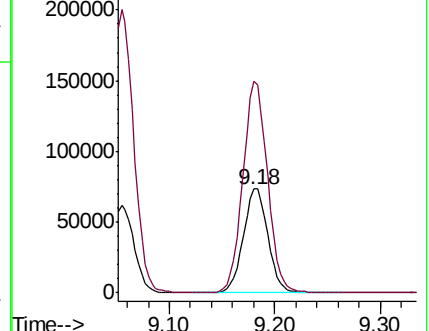
106 100

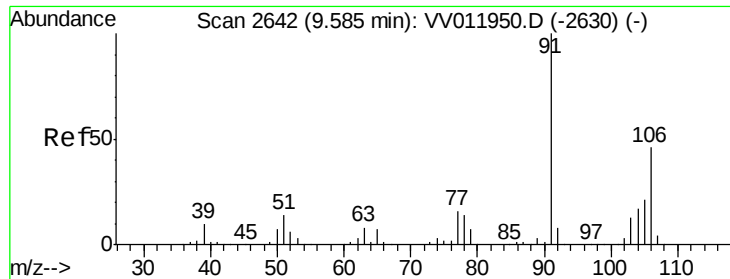
91 203.9 142.7 265.1



Abundance Ion 106.15 (105.85 to 106.85): VV011950.D (-2498) (-)

Ion 91.15 (90.85 to 91.85): VV011950.D (-2498) (-)

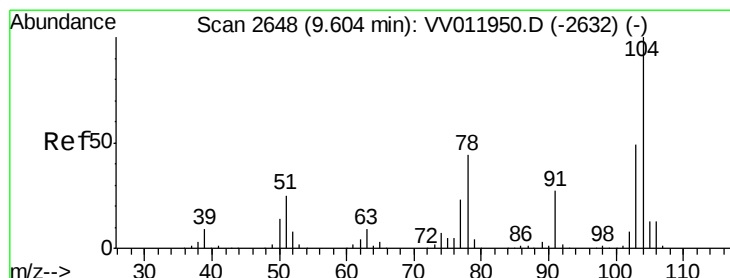
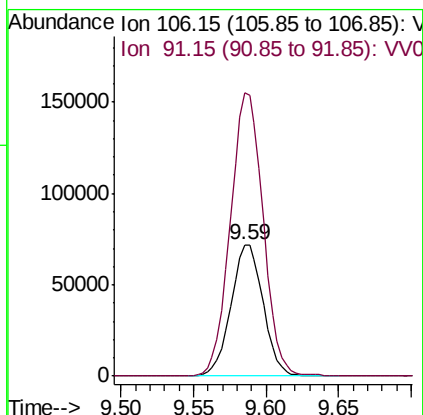
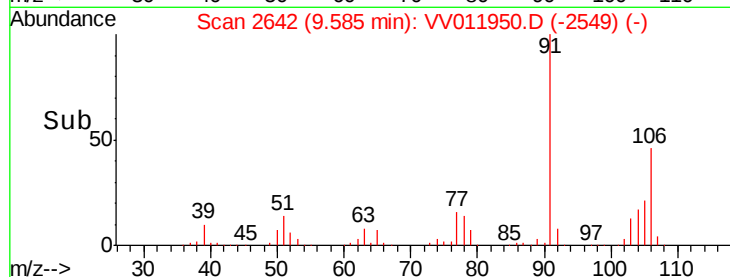
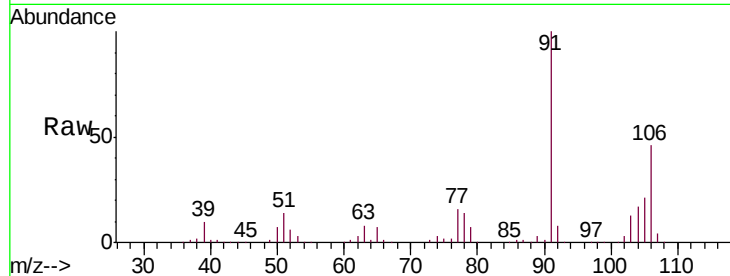




#54
o-xylene
Concen: 5.656 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV011950.D
Acq: 22 Jul 2019 16:01

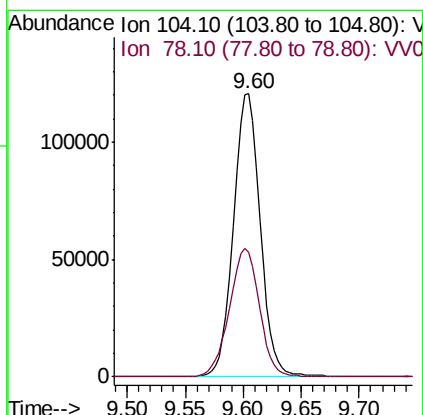
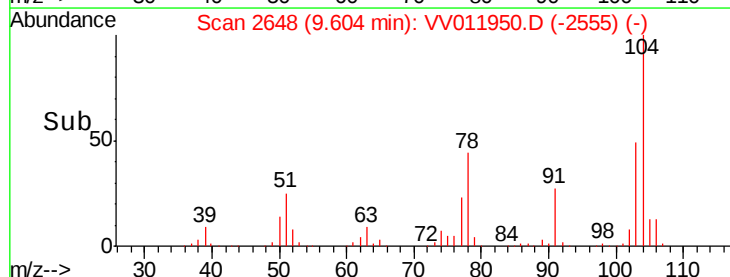
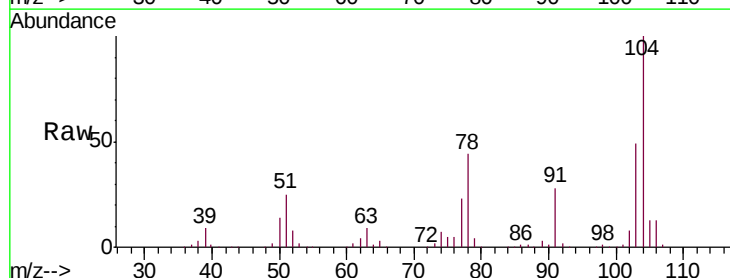
Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

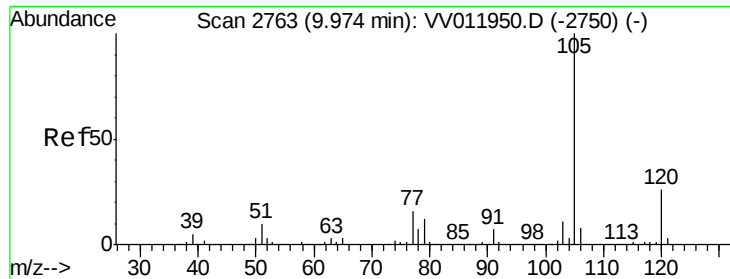
Tgt Ion:106 Resp: 110650
Ion Ratio Lower Upper
106 100
91 215.7 151.0 280.4



#55
Styrene
Concen: 5.778 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV011950.D
Acq: 22 Jul 2019 16:01

Tgt Ion:104 Resp: 192459
Ion Ratio Lower Upper
104 100
78 44.0 30.8 57.2





#56

Isopropylbenzene

Concen: 5.744 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

Instrument :

MSVOA_V

ClientSampled :

VSTD00533

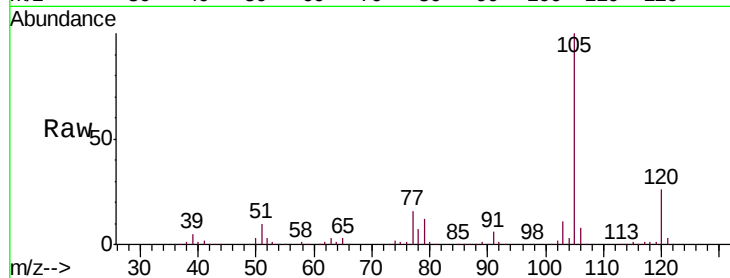
Tgt Ion: 105 Resp: 311208

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

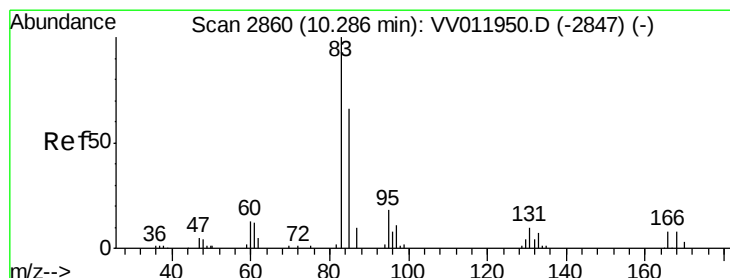
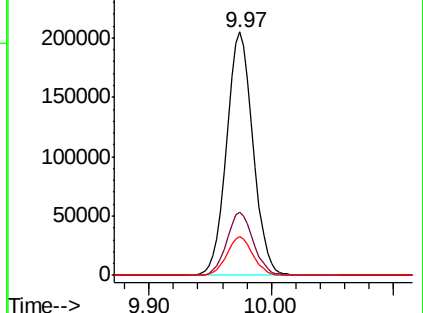
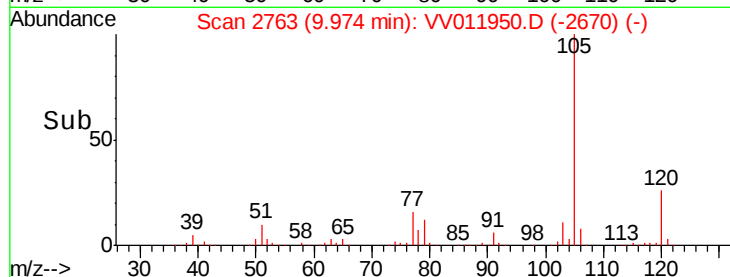
77 15.8 12.6 19.0



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: 5.784 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

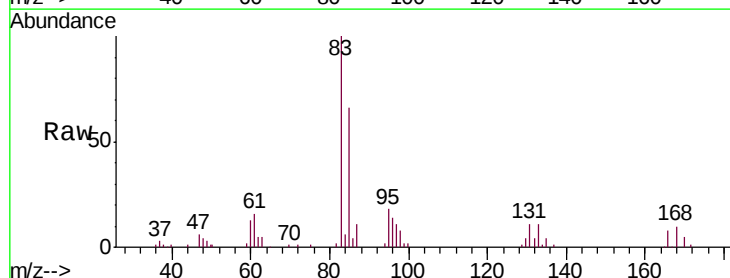
Tgt Ion: 83 Resp: 44838

Ion Ratio Lower Upper

83 100

85 66.1 46.3 85.9

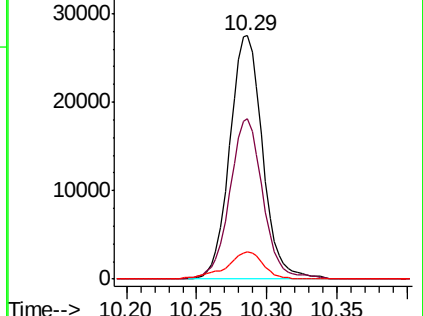
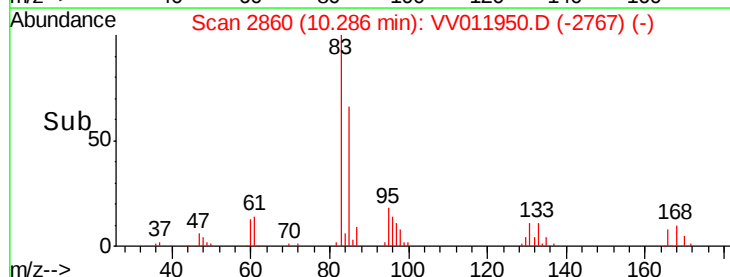
131 11.1 8.9 13.3

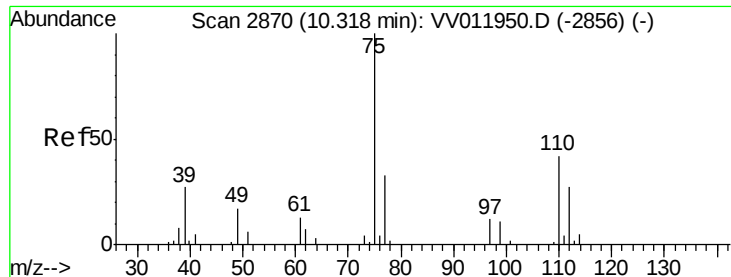


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

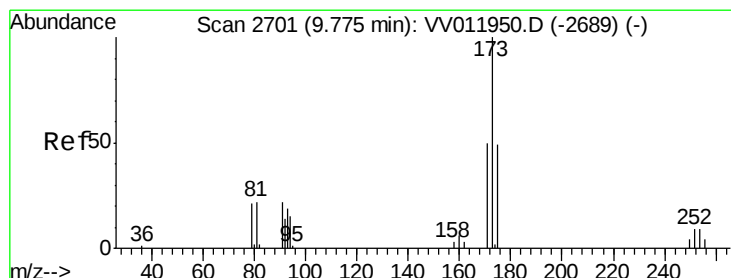
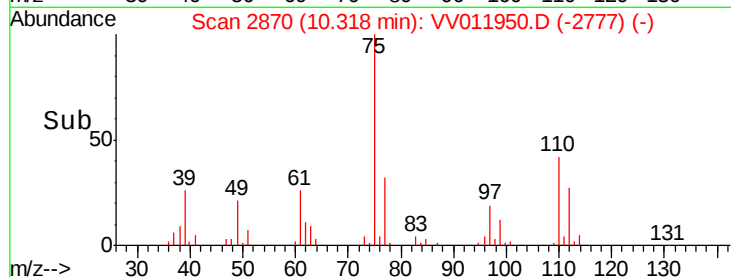
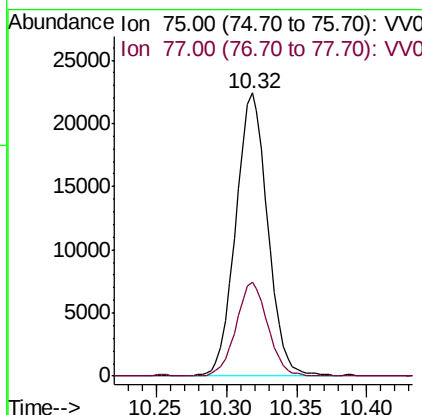
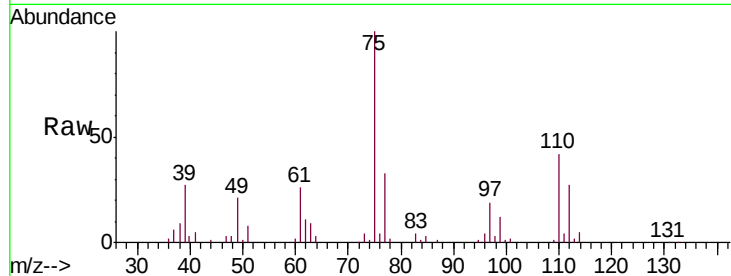




#59
 1,2,3-Trichloropropane
 Concen: 5.074 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

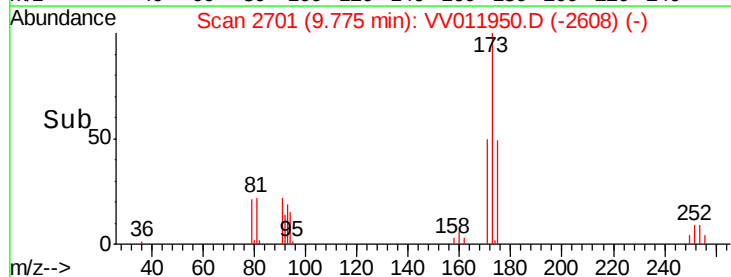
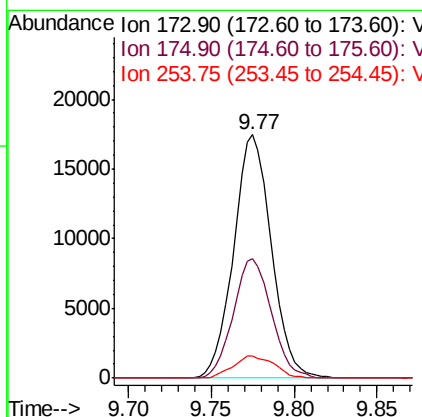
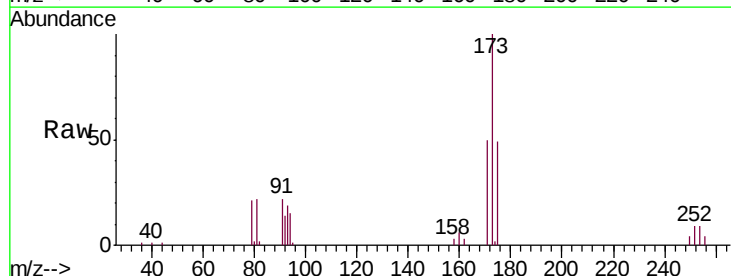
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

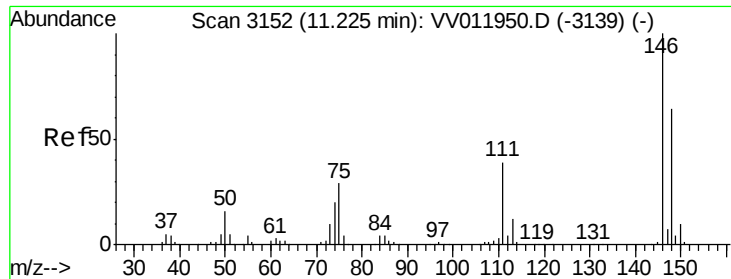
Tgt Ion: 75 Resp: 35582
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.2 39.2



#61
 Bromoform
 Concen: 5.788 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

Tgt Ion: 173 Resp: 27646
 Ion Ratio Lower Upper
 173 100
 175 49.5 39.6 59.4
 254 9.9 7.9 11.9

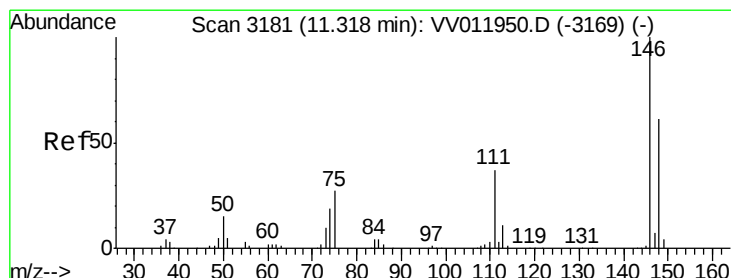
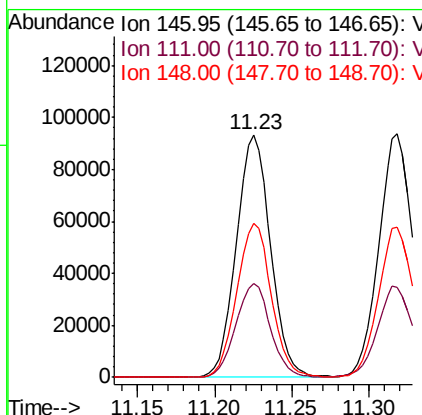
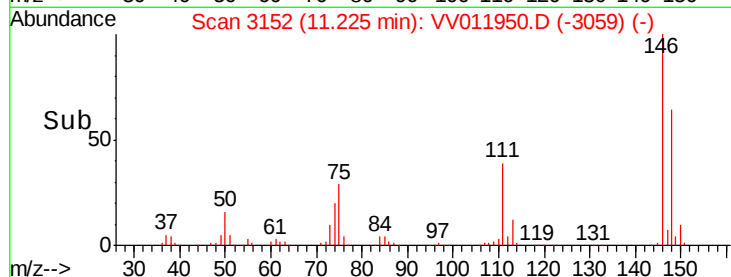
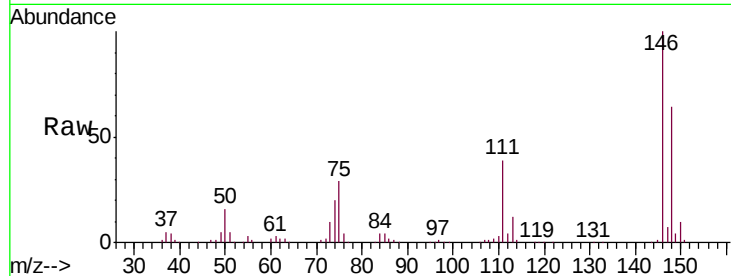




#62
 1,3-Dichlorobenzene
 Concen: 5.342 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

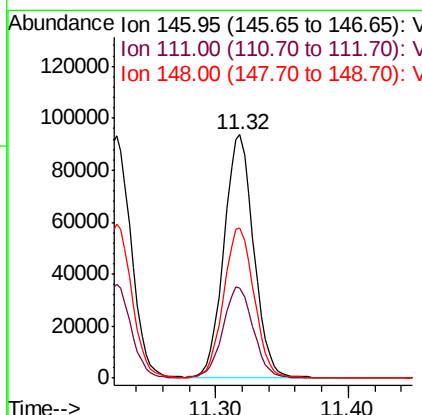
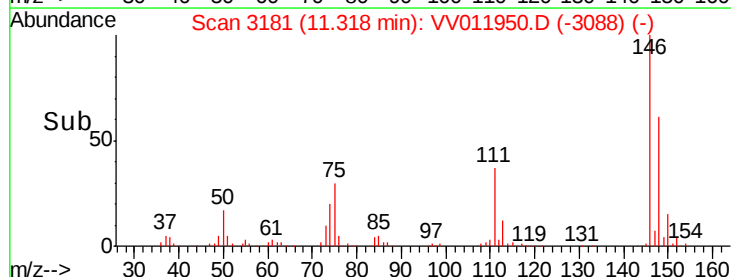
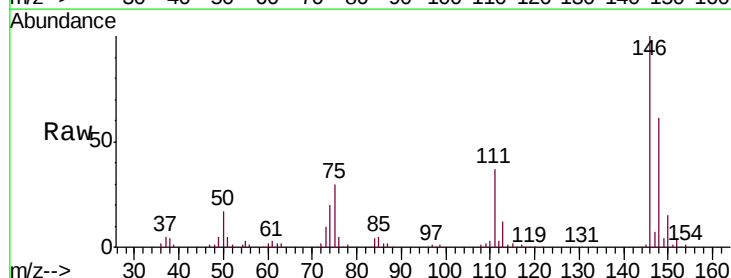
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

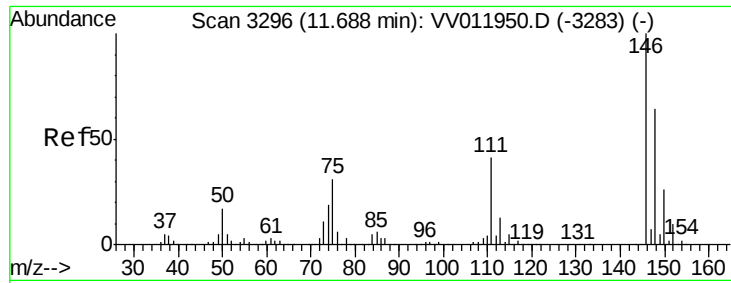
Tgt Ion:146 Resp: 143547
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.1 50.3
 148 63.6 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 5.275 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

Tgt Ion:146 Resp: 145411
 Ion Ratio Lower Upper
 146 100
 111 37.1 26.0 48.2
 148 61.5 43.0 80.0





#65

1,2-Dichlorobenzene

Concen: 5.342 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

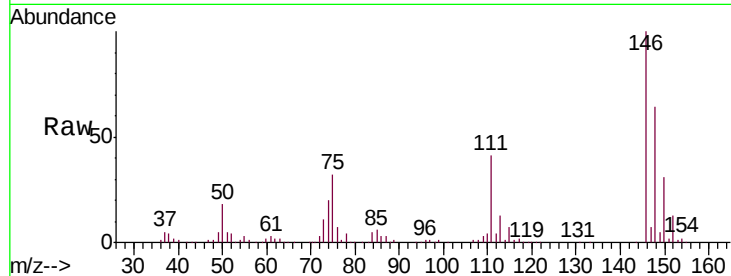
Tgt Ion:146 Resp: 133712

Ion Ratio Lower Upper

146 100

111 40.6 32.5 48.7

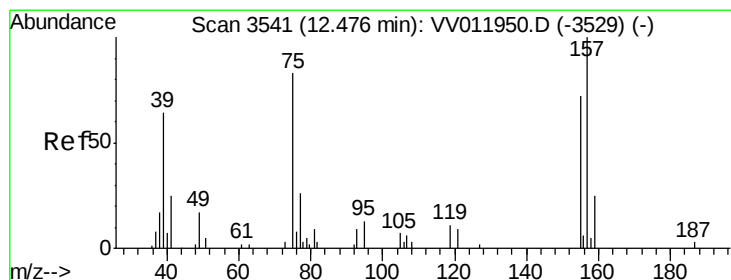
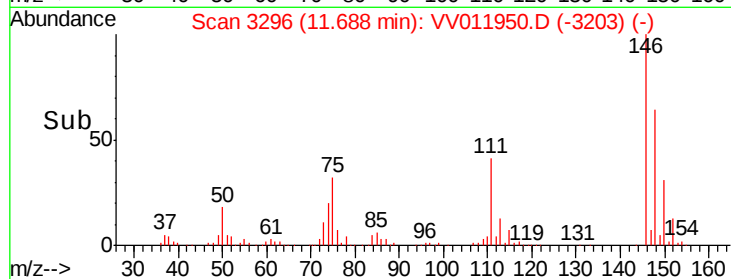
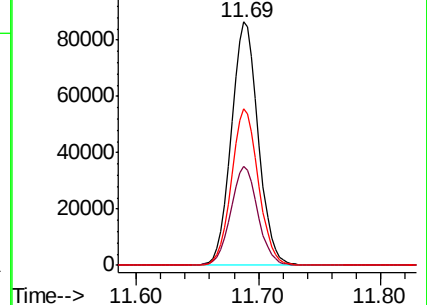
148 64.2 51.4 77.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.193 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

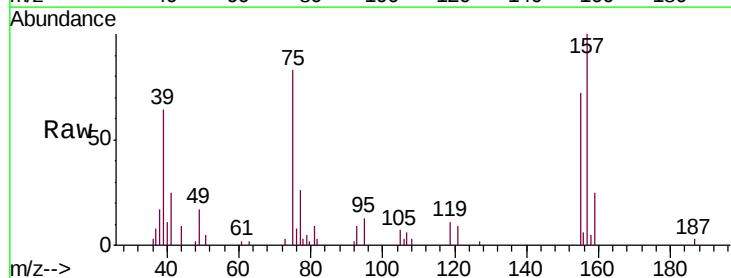
Tgt Ion: 75 Resp: 7358

Ion Ratio Lower Upper

75 100

155 86.9 69.5 104.3

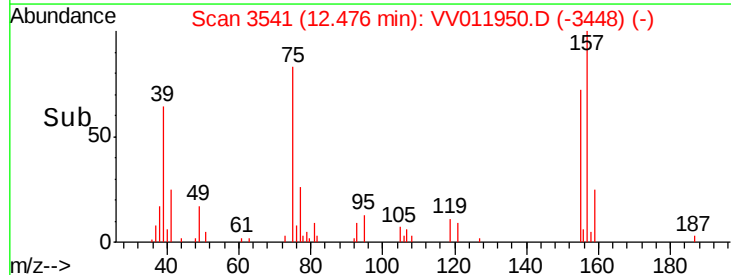
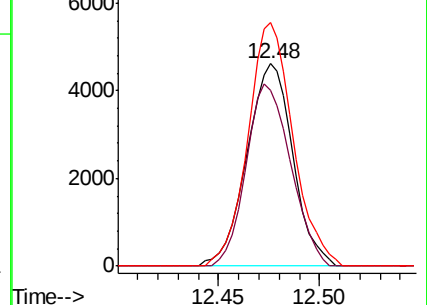
157 120.2 96.2 144.2

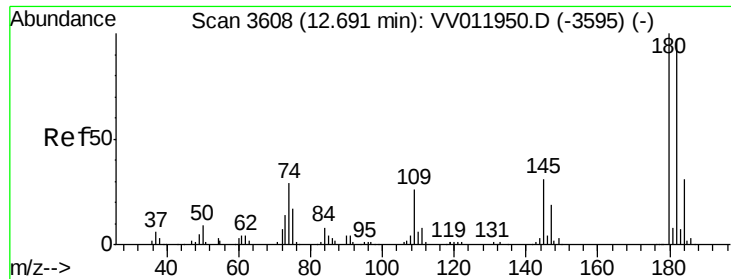


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

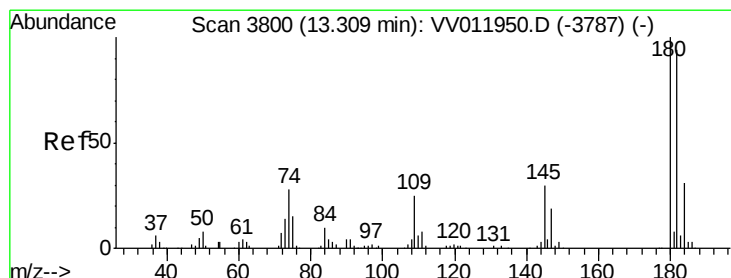
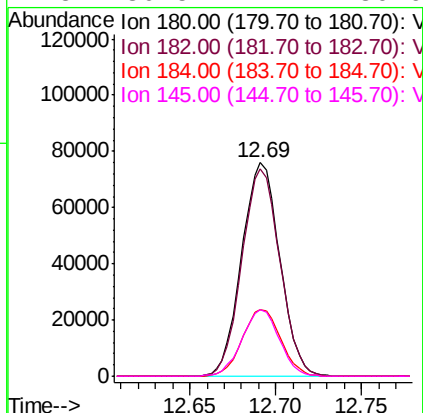
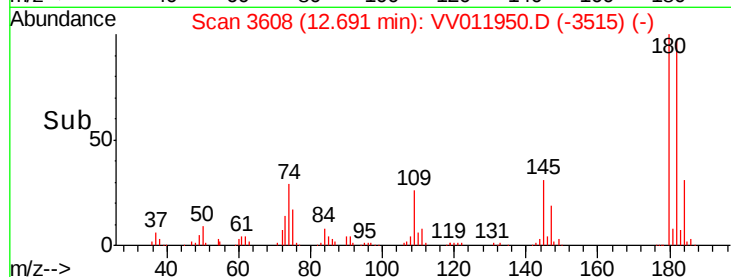
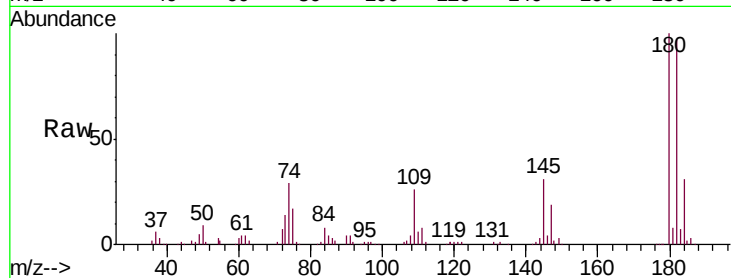




#67
 1,3,5-Trichlorobenzene
 Concen: 5.518 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

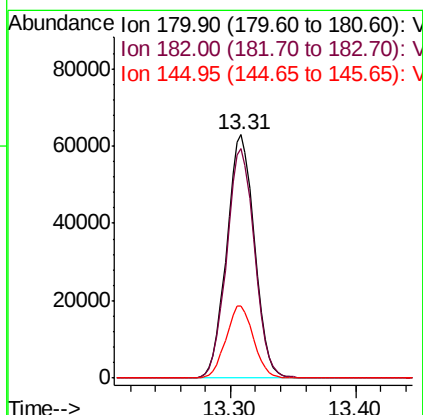
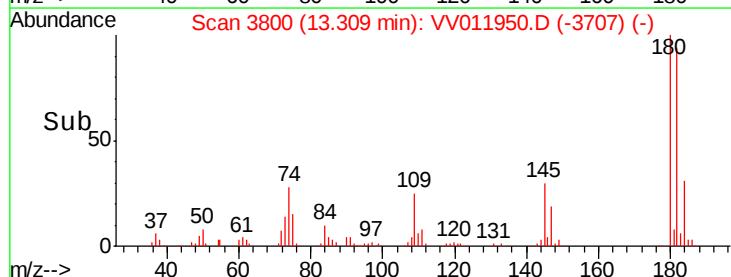
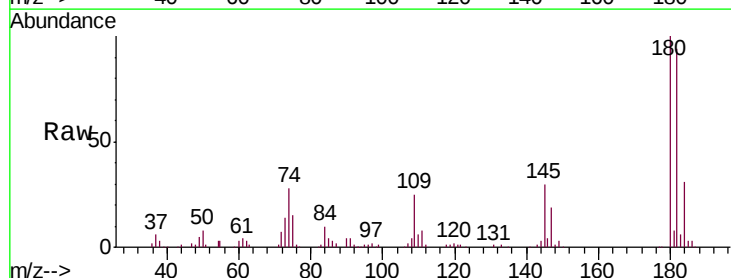
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

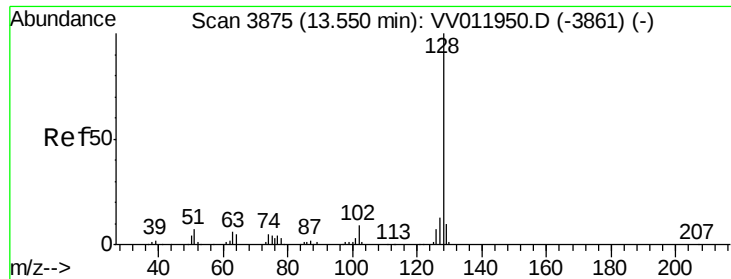
Tgt Ion:180 Resp: 117064
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.4 116.0
 184 31.5 25.2 37.8
 145 30.5 24.4 36.6



#68
 1,2,4-trichlorobenzene
 Concen: 5.748 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011950.D
 Acq: 22 Jul 2019 16:01

Tgt Ion:180 Resp: 96642
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.8 113.8
 145 29.3 23.4 35.2





#69

Naphthalene

Concen: 5.728 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

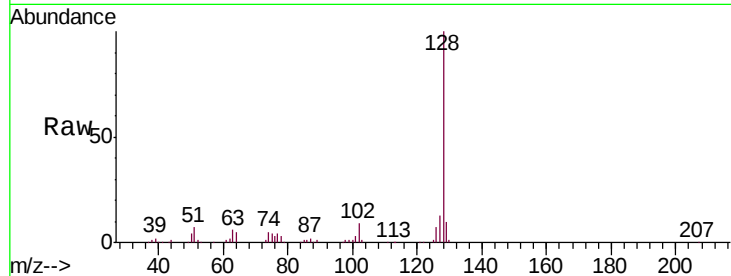
Tgt Ion:128 Resp: 147671

Ion Ratio Lower Upper

128 100

129 10.2 8.2 12.2

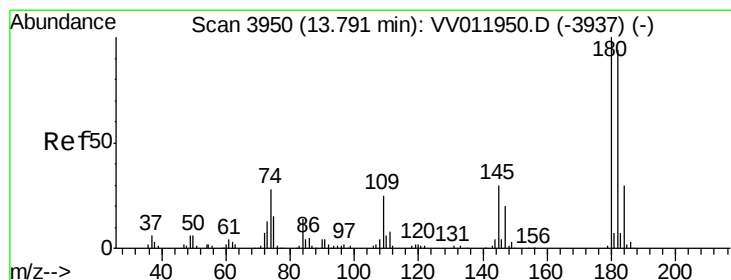
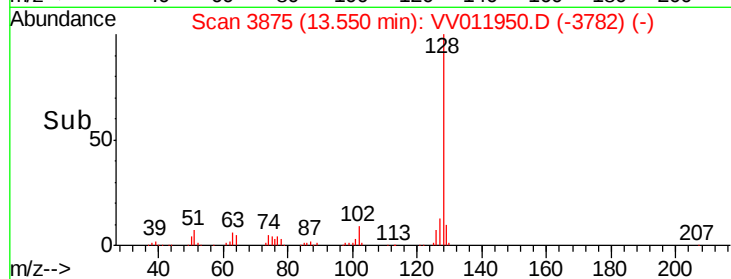
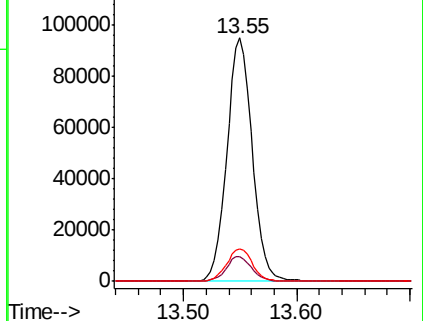
127 13.5 10.8 16.2



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: 5.906 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV011950.D

Acq: 22 Jul 2019 16:01

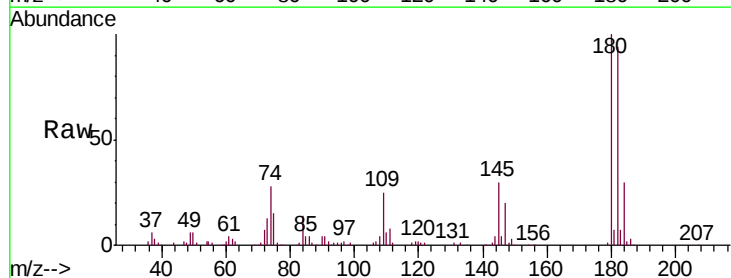
Tgt Ion:180 Resp: 89923

Ion Ratio Lower Upper

180 100

182 94.4 75.5 113.3

145 30.9 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

