

Data File : VV014142.D
Acq On : 19 Dec 2019 20:11
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

Quant Time: Dec 20 07:18:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 07:12:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	383282	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	367653	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	197675	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	139388	5.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	117.60%
7) Chloroethane-d5	1.58	69	120756	5.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.80%
11) 1,1-Dichloroethene-d2	2.13	63	229309	5.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.80%
20) 2-Butanone-d5	3.92	46	278222	56.42	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.84%
24) Chloroform-d	4.40	84	254249	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.08	65	119192	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.10	84	478367	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.11	67	145694	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.36	98	437821	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	7.66	79	54596	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.13	63	205185	50.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.12%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	102057	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	159294	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	127667	5.001	ug/L	95
3) Chloromethane	1.26	50	132060	5.891	ug/L	97
5) Vinyl chloride	1.33	62	127342	5.561	ug/L	99
6) Bromomethane	1.53	94	63933	5.303	ug/L	97
8) Chloroethane	1.60	64	81069	5.875	ug/L	98
9) Trichlorofluoromethane	1.77	101	196113	5.516	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	114180	5.404	ug/L	97
12) 1,1-Dichloroethene	2.14	96	98175	5.328	ug/L	97
13) Acetone	2.18	43	193711	56.170	ug/L #	56
14) Carbon disulfide	2.32	76	214512	5.042	ug/L	99
15) Methyl Acetate	2.46	43	47029	6.091	ug/L	96
16) Methylene chloride	2.53	84	150028	5.944	ug/L	92
17) Methyl tert-butyl Ether	2.80	73	258268	5.121	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	106242	5.105	ug/L	96
19) 1,1-Dichloroethane	3.23	63	237068	5.707	ug/L	99
21) 2-Butanone	4.00	43	307980	59.082	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	127542	5.227	ug/L	94

Data File : VV014142.D
Acq On : 19 Dec 2019 20:11
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

Quant Time: Dec 20 07:18:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 07:12:45 2019
Response via : Initial Calibration

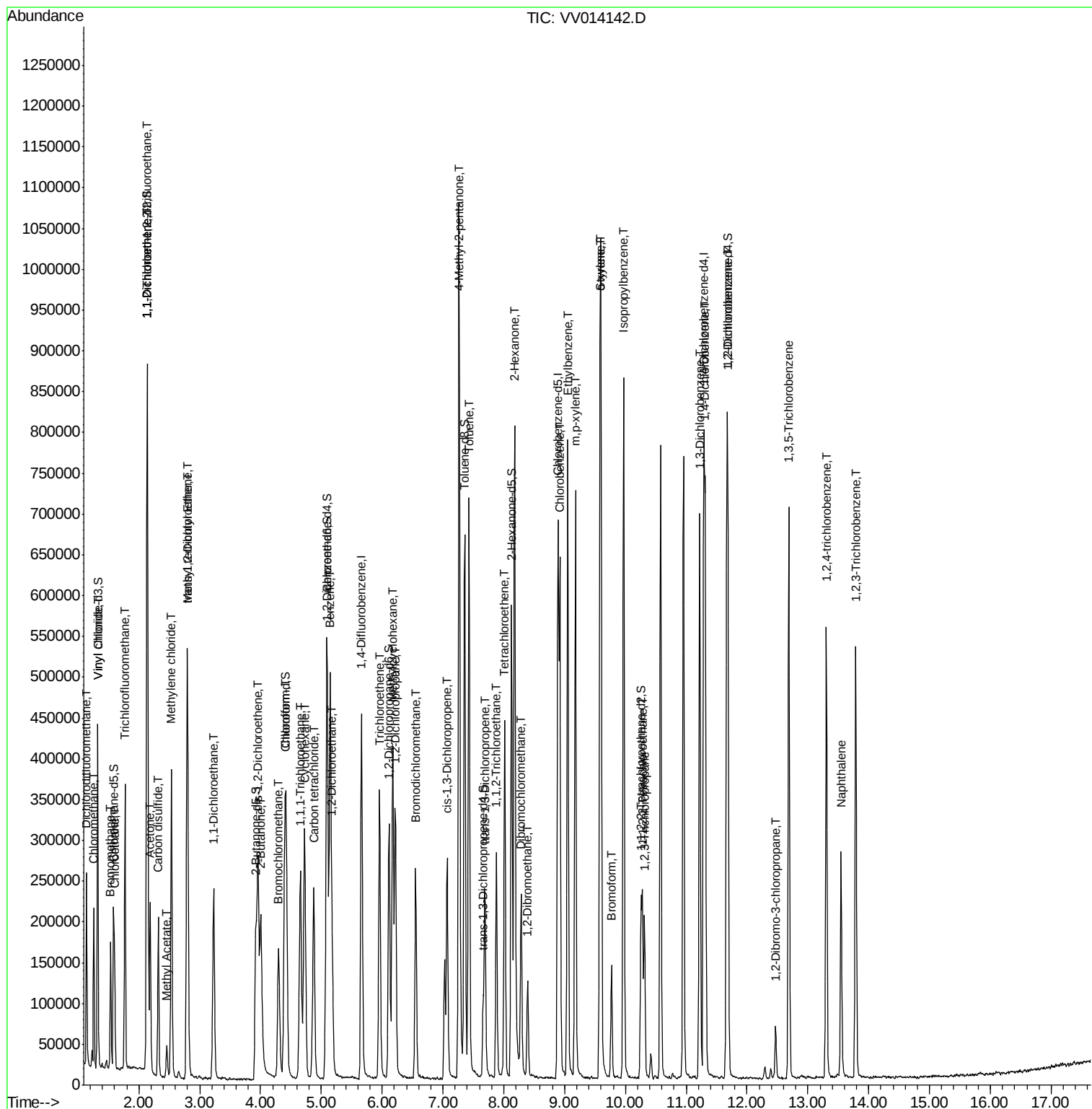
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	58215	5.429	ug/L	93
25) Chloroform	4.42	83	246537	5.598	ug/L	99
27) 1,2-Dichloroethane	5.18	62	138690	5.502	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	202699	5.390	ug/L	99
30) Cyclohexane	4.73	56	157878	5.025	ug/L	96
31) Carbon tetrachloride	4.87	117	177094	5.352	ug/L	99
33) Benzene	5.14	78	481140	5.335	ug/L	100
34) Trichloroethene	5.96	95	122367	4.919	ug/L	96
35) Methylcyclohexane	6.17	83	155893	4.696	ug/L	96
37) 1,2-Dichloropropane	6.22	63	126050	5.438	ug/L	99
38) Bromodichloromethane	6.55	83	170018	5.559	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	158538	4.820	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	748174	55.321	ug/L	96
42) Toluene	7.43	91	505704	5.228	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	124920	4.853	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	86902	5.261	ug/L	96
47) Tetrachloroethene	8.02	164	106290	4.920	ug/L	96
48) 2-Hexanone	8.18	43	526285	54.518	ug/L	98
49) Dibromochloromethane	8.29	129	108252	5.110	ug/L	100
50) 1,2-Dibromoethane	8.39	107	76395	5.107	ug/L	99
51) Chlorobenzene	8.92	112	325009	4.829	ug/L	97
52) Ethylbenzene	9.05	91	522912	4.976	ug/L	97
53) m,p-xylene	9.18	106	202055	5.044	ug/L	98
54) o-xylene	9.58	106	198893	5.085	ug/L	100
55) Styrene	9.60	104	347963	5.153	ug/L	99
56) Isopropylbenzene	9.97	105	533746	5.008	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	103236	5.688	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	78698	5.531	ug/L	100
61) Bromoform	9.77	173	63861	5.133	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	286934	4.997	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	279757	4.786	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	263439	4.943	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	14892	4.808	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	228796	4.717	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	177793	4.469	ug/L	99
69) Naphthalene	13.55	128	220684	4.074	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	171046	4.720	ug/L	98

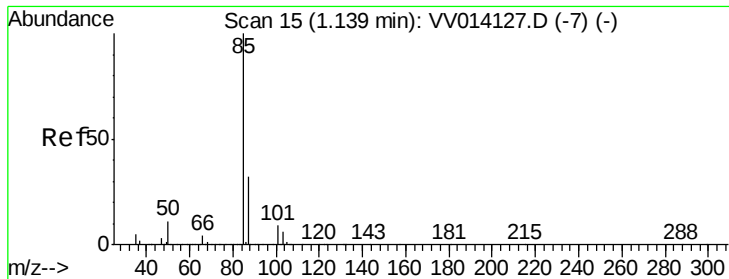
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV014142.D
Acq On : 19 Dec 2019 20:11
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

Quant Time: Dec 20 07:18:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 07:12:45 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.001 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

Instrument :

MSVOA_V

ClientSampleId :

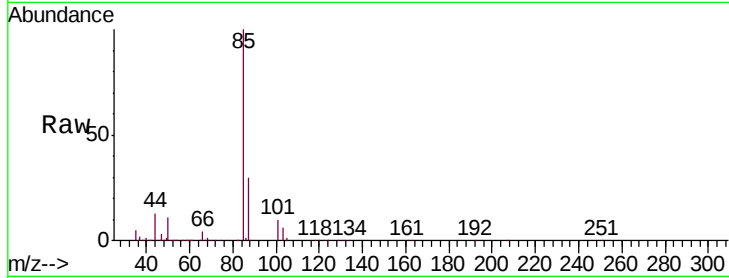
VSTD00558

Tgt Ion: 85 Resp: 127667

Ion Ratio Lower Upper

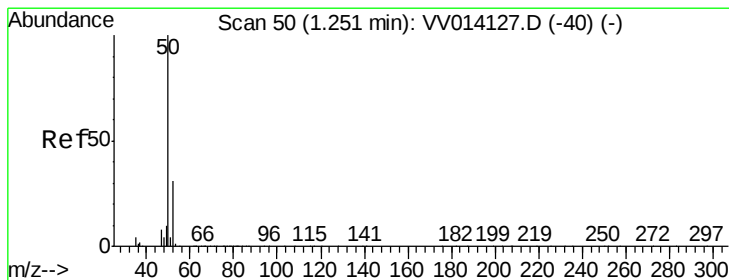
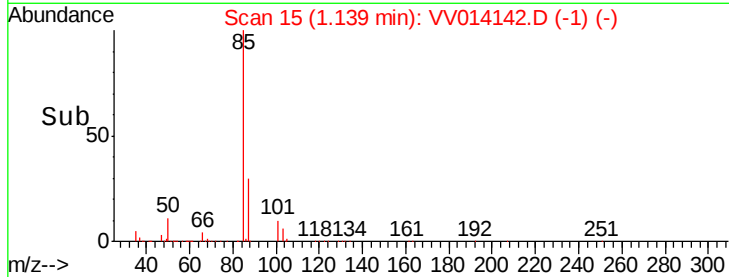
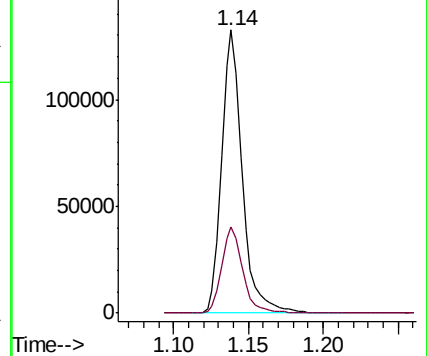
85 100

87 31.2 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.891 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.01 min

Lab File: VV014142.D

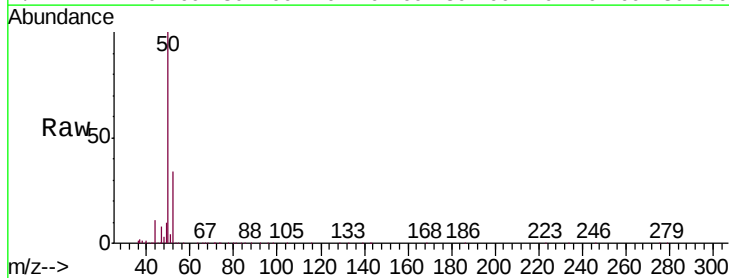
Acq: 19 Dec 2019 20:11

Tgt Ion: 50 Resp: 132060

Ion Ratio Lower Upper

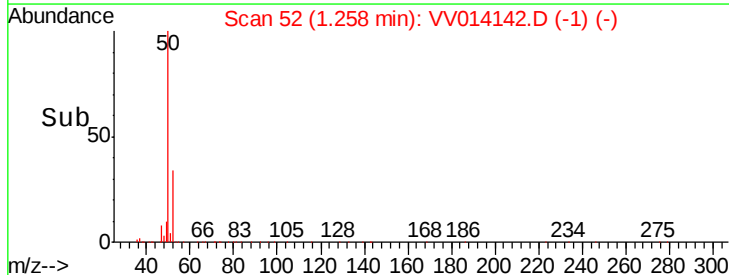
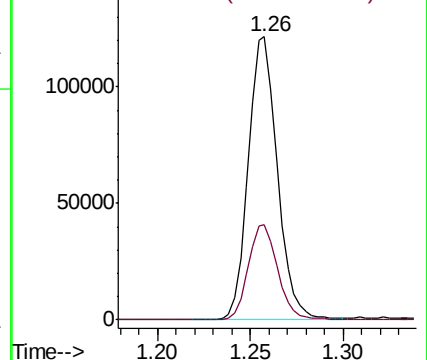
50 100

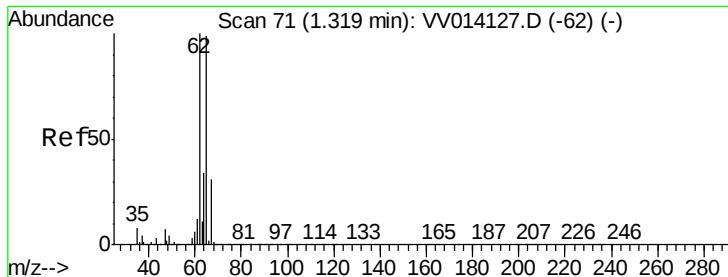
52 33.6 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.561 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.01 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

Instrument :

MSVOA_V

ClientSampleId :

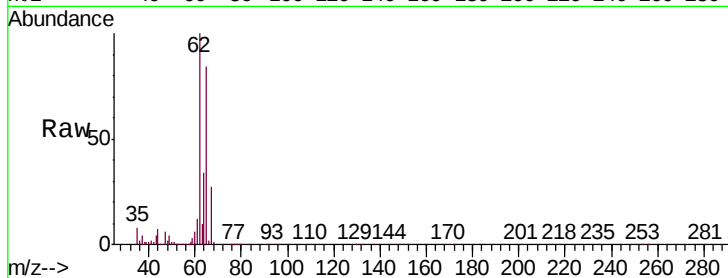
VSTD00558

Tgt Ion: 62 Resp: 127342

Ion Ratio Lower Upper

62 100

64 33.8 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.33

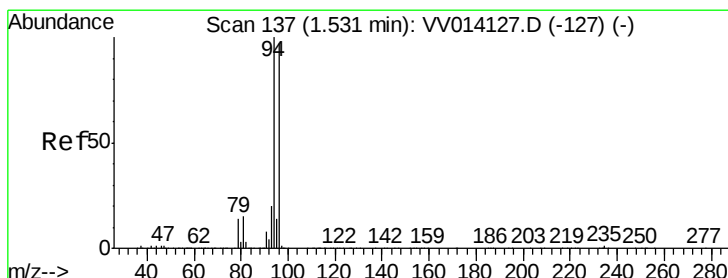
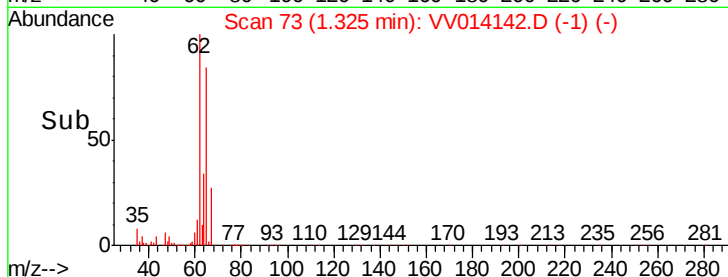
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 5.303 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014142.D

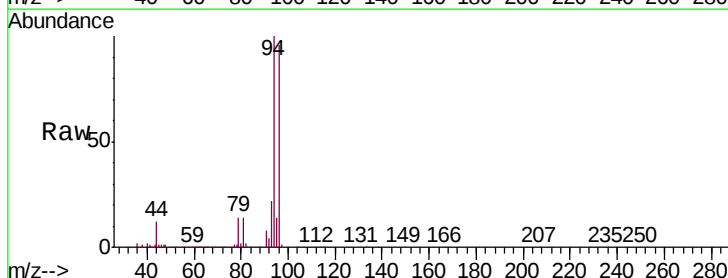
Acq: 19 Dec 2019 20:11

Tgt Ion: 94 Resp: 63933

Ion Ratio Lower Upper

94 100

96 95.7 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

60000

50000

40000

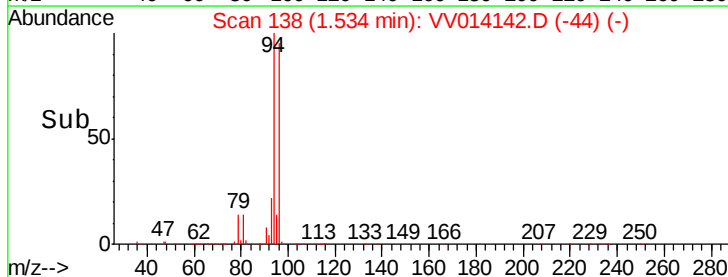
30000

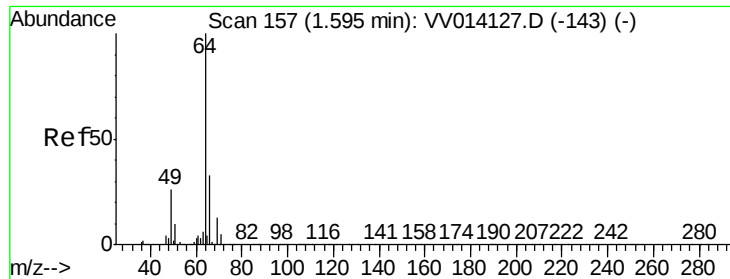
20000

10000

0

Time-->

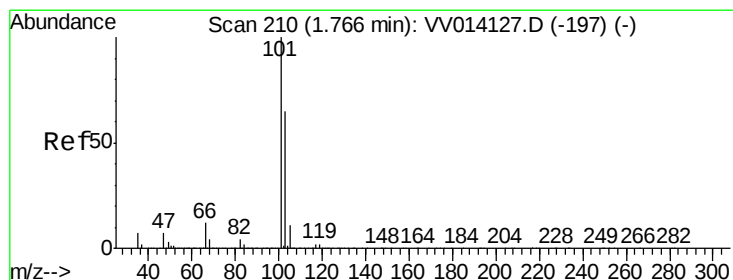
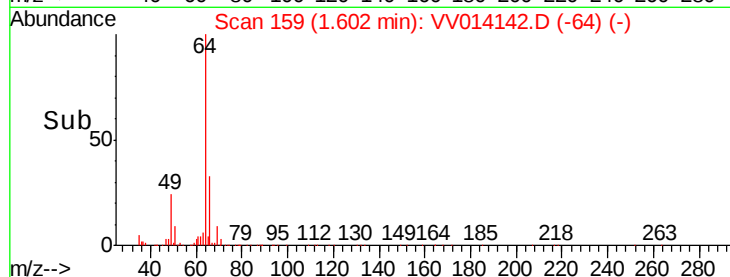
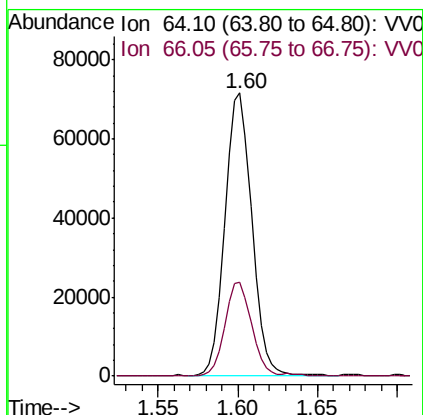
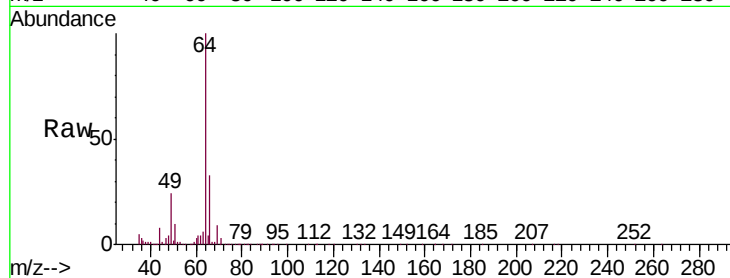




#8
Chloroethane
Concen: 5.875 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.01 min
Lab File: VV014142.D
Acq: 19 Dec 2019 20:11

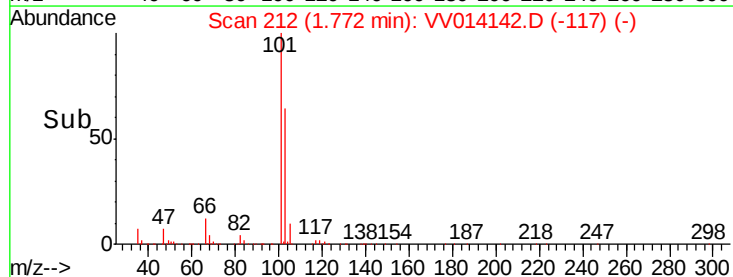
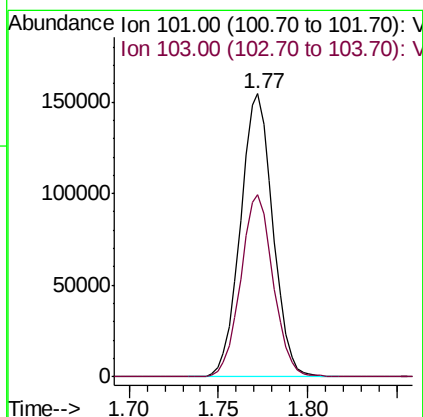
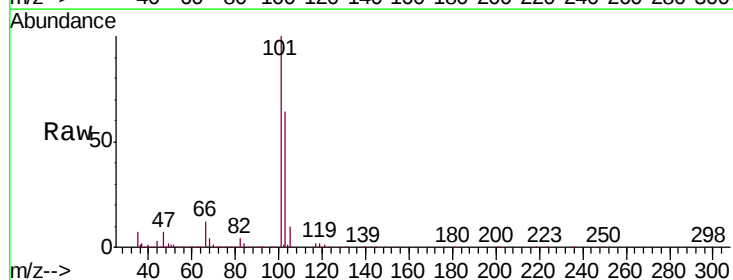
Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

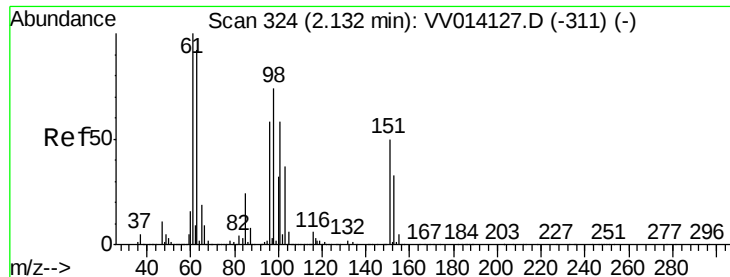
Tgt Ion: 64 Resp: 81069
Ion Ratio Lower Upper
64 100
66 33.1 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.516 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.01 min
Lab File: VV014142.D
Acq: 19 Dec 2019 20:11

Tgt Ion: 101 Resp: 196113
Ion Ratio Lower Upper
101 100
103 64.7 52.9 79.3





#10

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

Concen: 5.404 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD00558

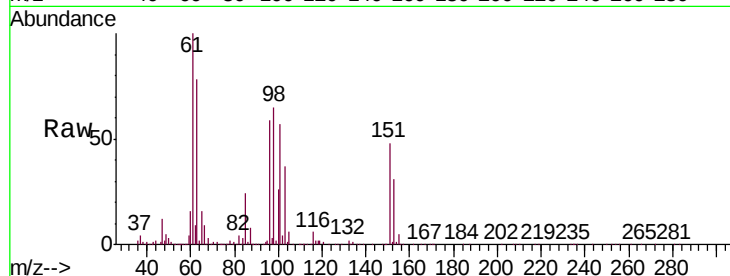
Tgt Ion: 101 Resp: 114180

Ion Ratio Lower Upper

101 100

85 41.9 33.4 50.0

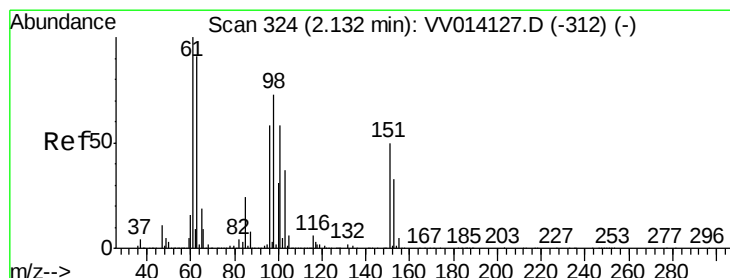
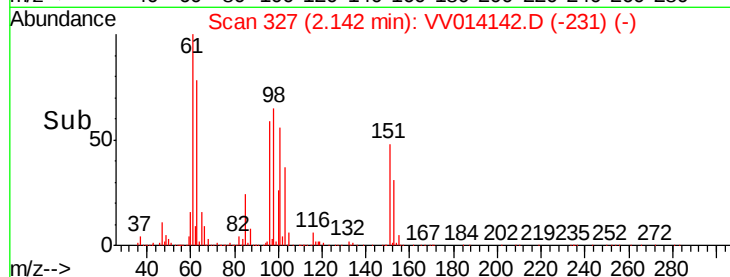
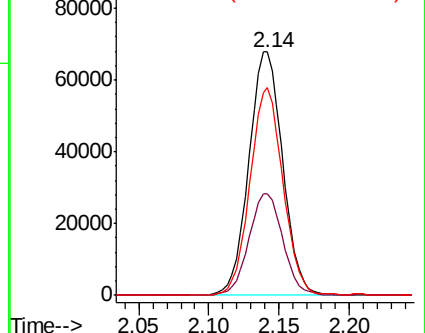
151 83.1 69.4 104.0



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: 5.328 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

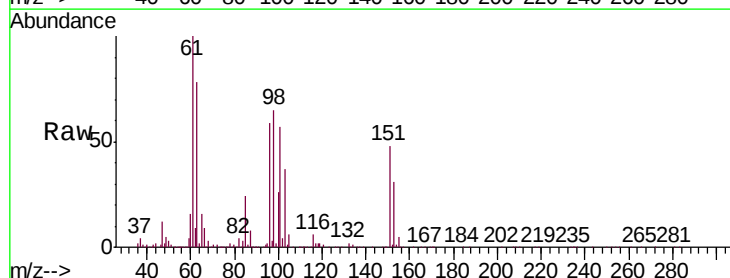
Tgt Ion: 96 Resp: 98175

Ion Ratio Lower Upper

96 100

61 168.4 116.3 215.9

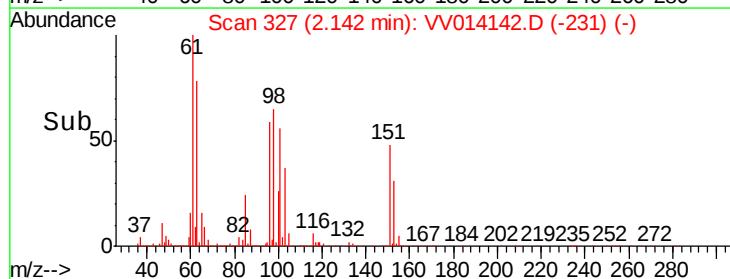
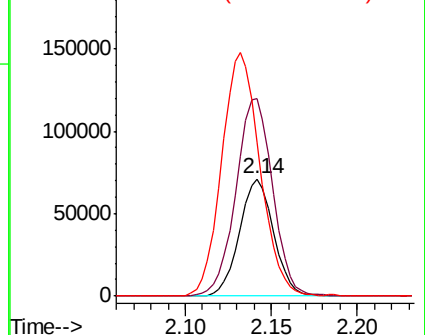
63 131.6 96.7 179.7

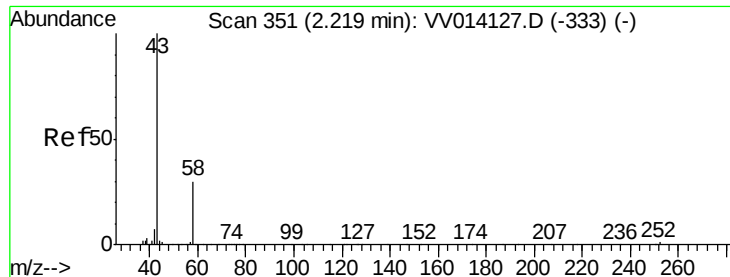


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 56.170 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.04 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

Instrument :

MSVOA_V

ClientSampleId :

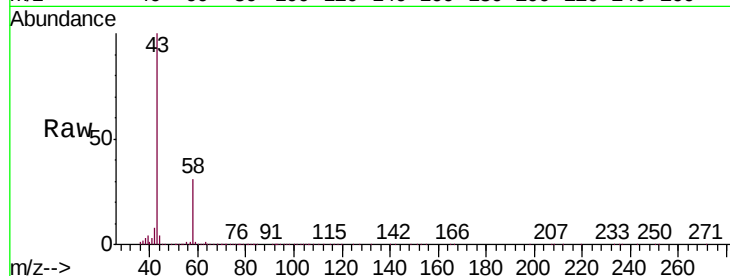
VSTD00558

Tgt Ion: 43 Resp: 193711

Ion Ratio Lower Upper

43 100

58 31.2 0.0 27.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

150000

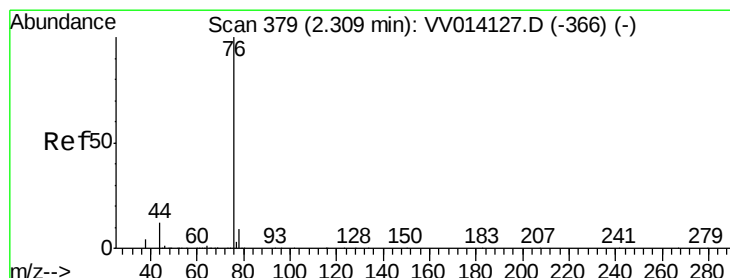
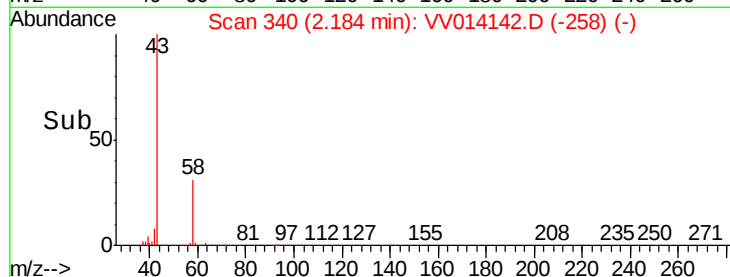
100000

50000

0

2.10 2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 5.042 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV014142.D

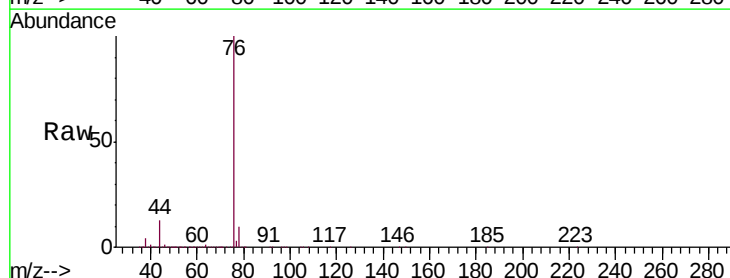
Acq: 19 Dec 2019 20:11

Tgt Ion: 76 Resp: 214512

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

150000

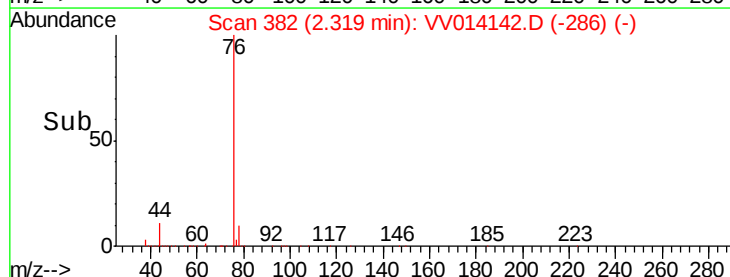
100000

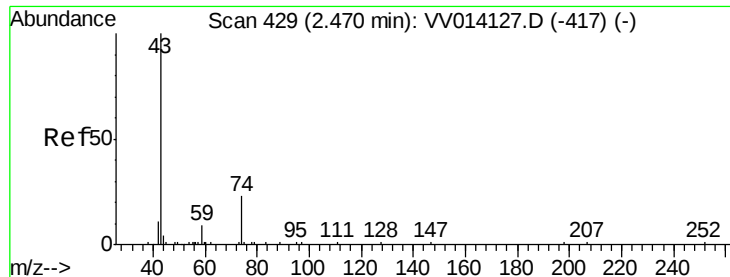
50000

0

2.25 2.30 2.35 2.40

Time-->

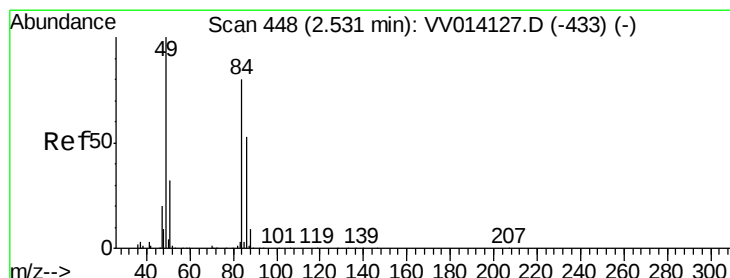
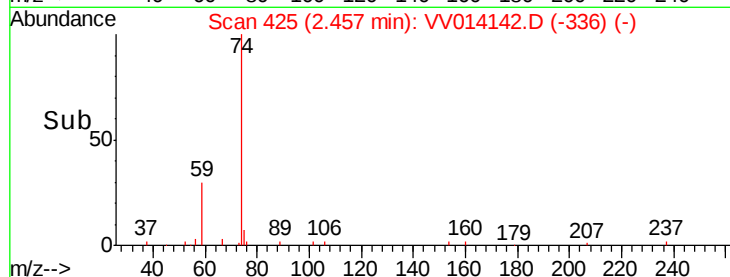
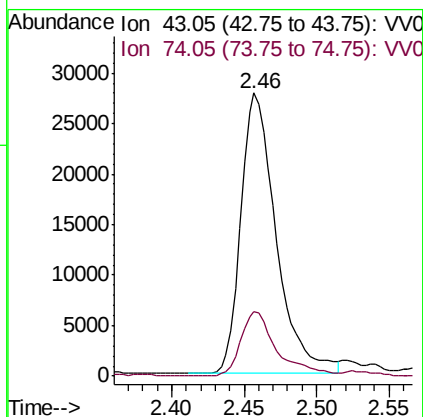
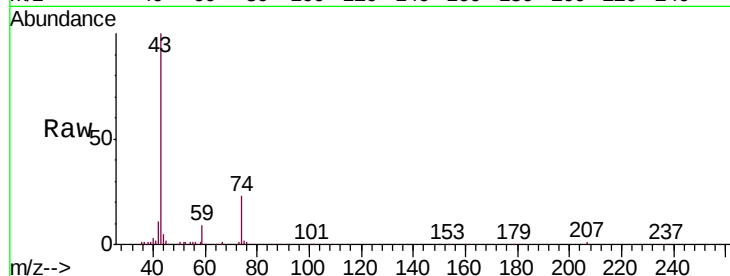




#15
Methyl Acetate
Concen: 6.091 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV014142.D
Acq: 19 Dec 2019 20:11

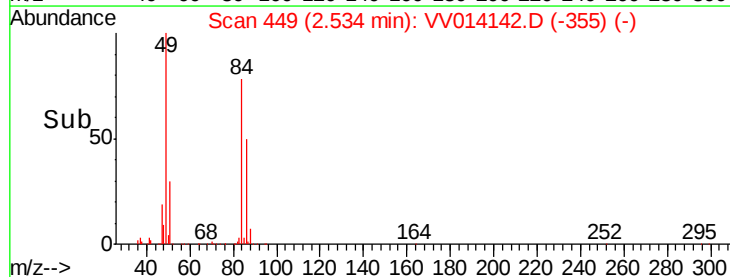
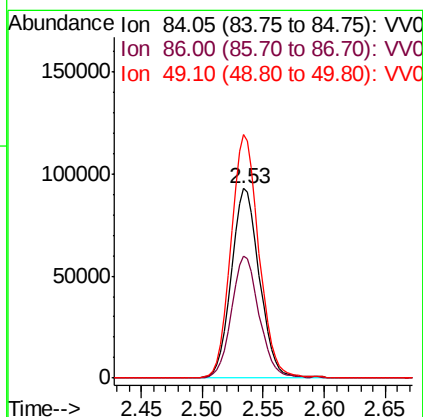
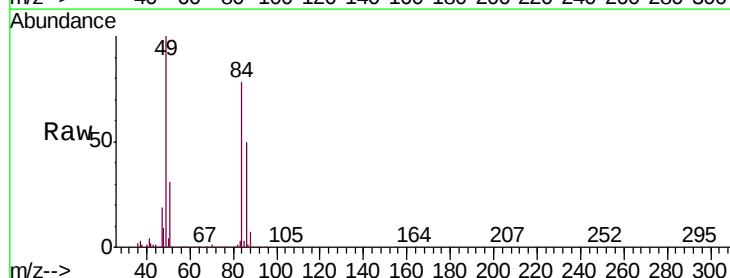
Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

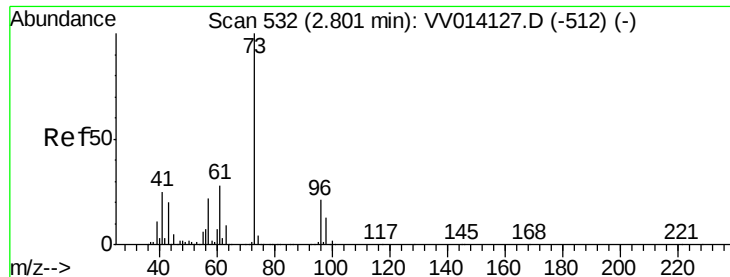
Tgt Ion: 43 Resp: 47029
Ion Ratio Lower Upper
43 100
74 23.5 20.5 30.7



#16
Methylene chloride
Concen: 5.944 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014142.D
Acq: 19 Dec 2019 20:11

Tgt Ion: 84 Resp: 150028
Ion Ratio Lower Upper
84 100
86 64.5 44.0 81.6
49 128.5 81.5 151.5

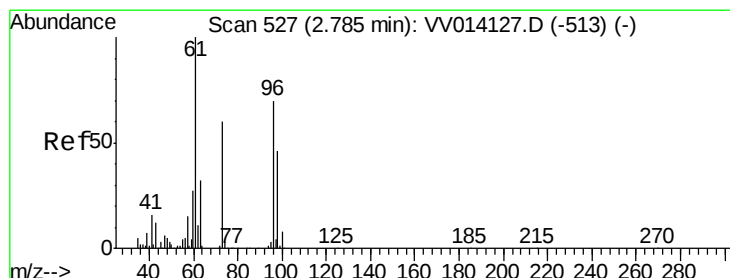
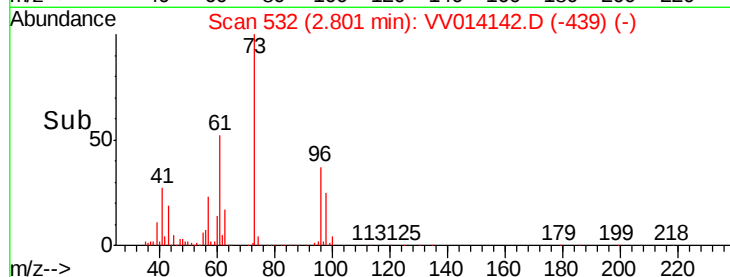
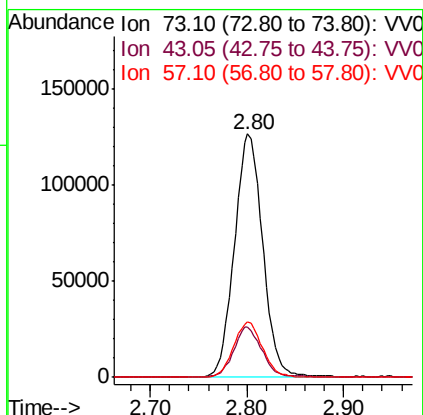
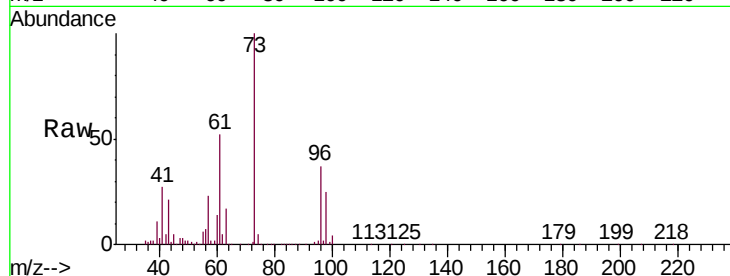




#17
Methyl tert-butyl Ether
Concen: 5.121 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV014142.D
Acq: 19 Dec 2019 20:11

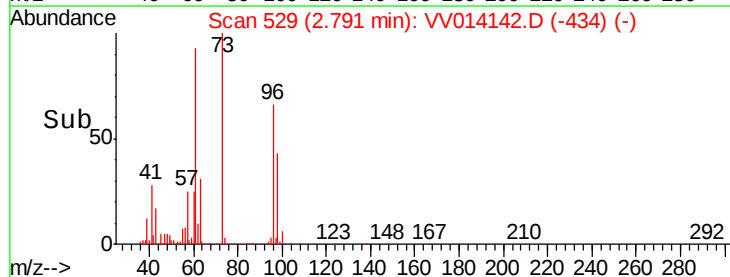
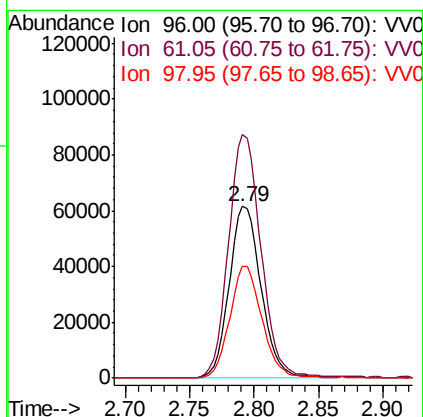
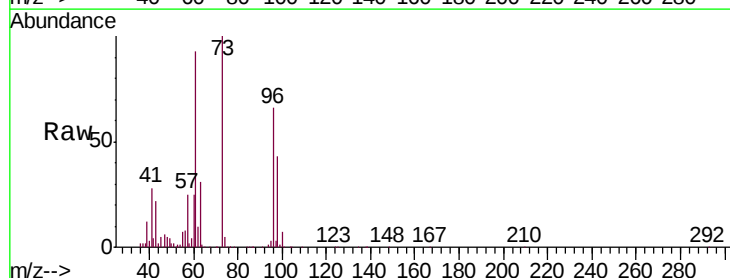
Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

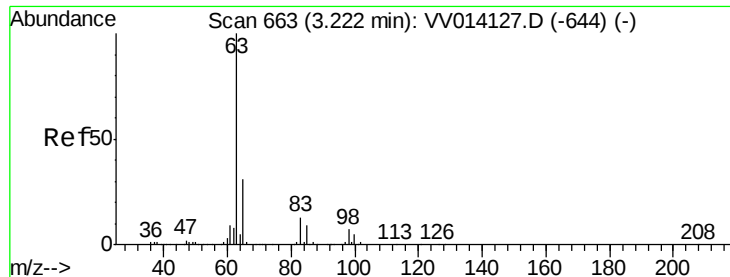
Tgt Ion: 73 Resp: 258268
Ion Ratio Lower Upper
73 100
43 20.1 15.5 23.3
57 23.2 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 5.105 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV014142.D
Acq: 19 Dec 2019 20:11

Tgt Ion: 96 Resp: 106242
Ion Ratio Lower Upper
96 100
61 141.9 95.1 176.7
98 65.2 46.5 86.3

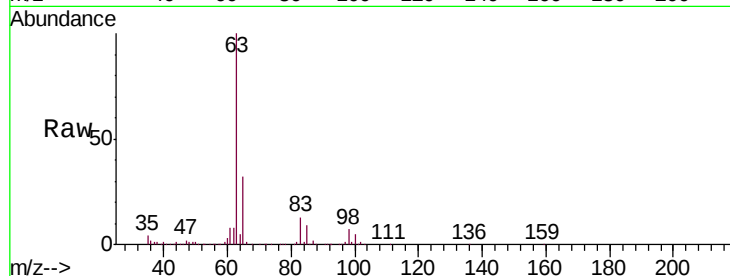




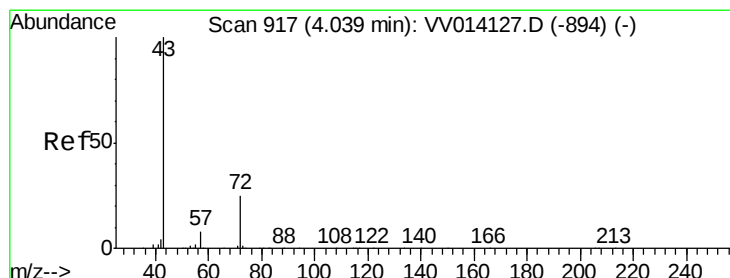
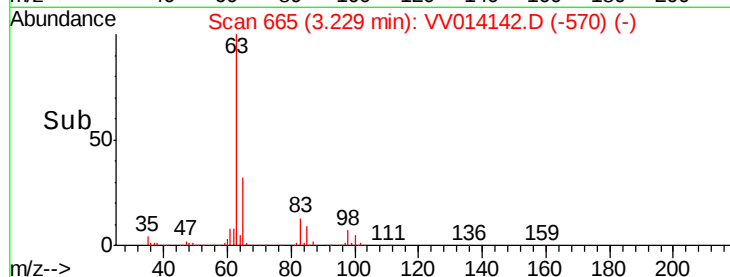
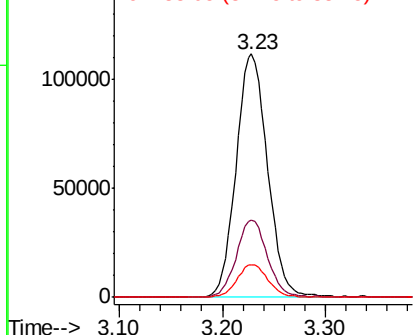
#19
 1,1-Dichloroethane
 Concen: 5.707 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: VV014142.D
 Acq: 19 Dec 2019 20:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.7	42.1
83	13.4	9.2	17.2

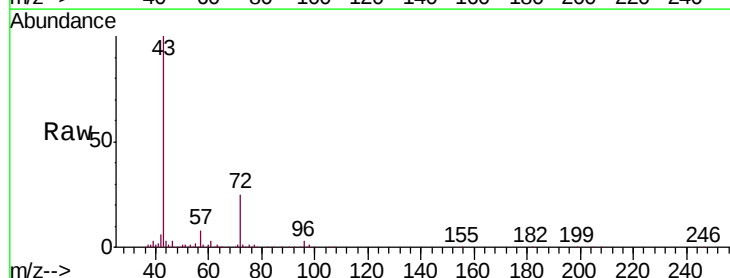


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

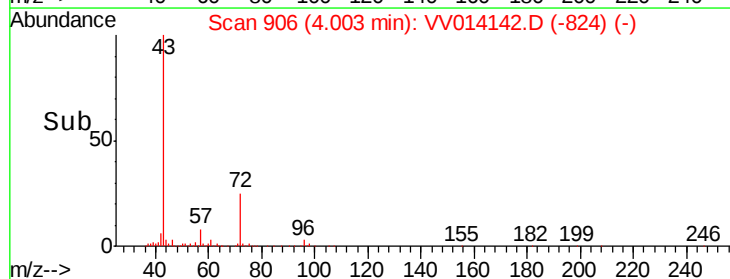
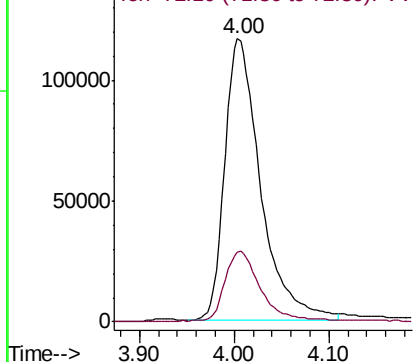


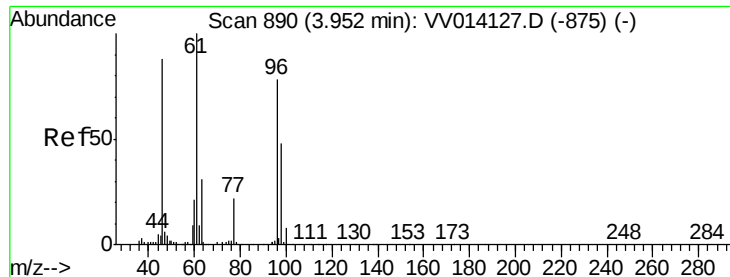
#21
 2-Butanone
 Concen: 59.082 ug/L
 RT: 4.00 min Scan# 906
 Delta R.T. -0.04 min
 Lab File: VV014142.D
 Acq: 19 Dec 2019 20:11

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.0	12.3	36.9



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



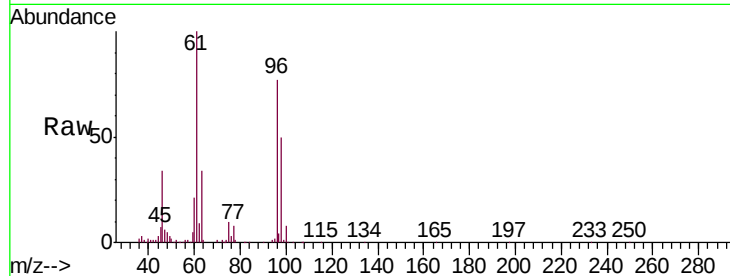


#22

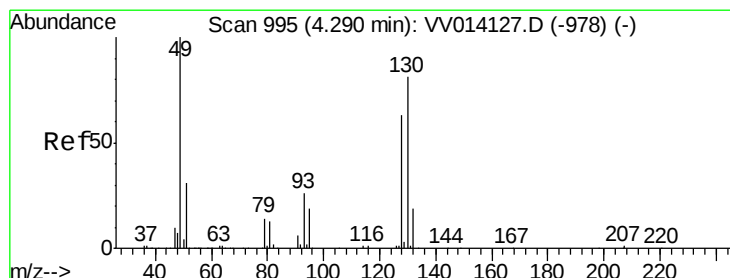
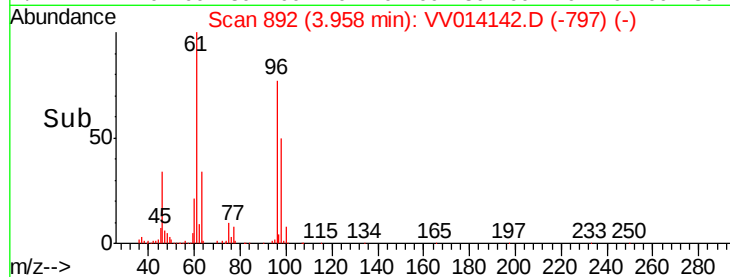
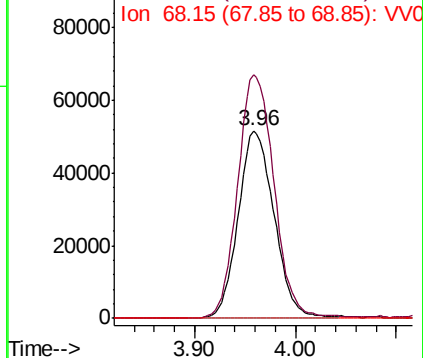
cis-1,2-Dichloroethene
Concen: 5.227 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.01 min
Lab File: VV014142.D
Acq: 19 Dec 2019 20:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

Tgt Ion: 96 Resp: 127542
Ion Ratio Lower Upper
96 100
61 129.6 86.1 159.9
68 0.0 0.0 0.0



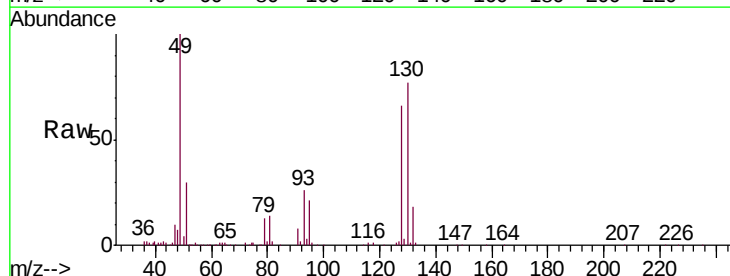
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



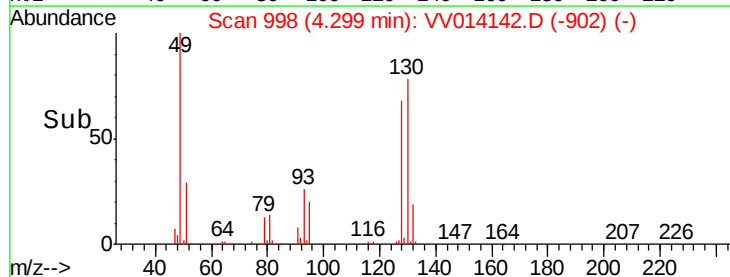
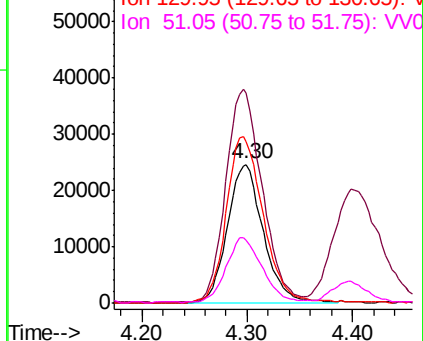
#23

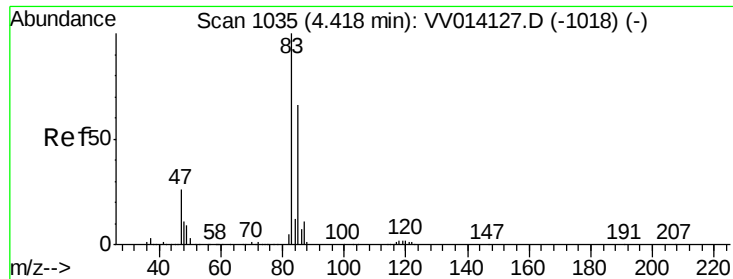
Bromochloromethane
Concen: 5.429 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.01 min
Lab File: VV014142.D
Acq: 19 Dec 2019 20:11

Tgt Ion: 128 Resp: 58215
Ion Ratio Lower Upper
128 100
49 150.9 100.1 185.9
130 115.8 89.0 165.4
51 45.0 36.3 54.5



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

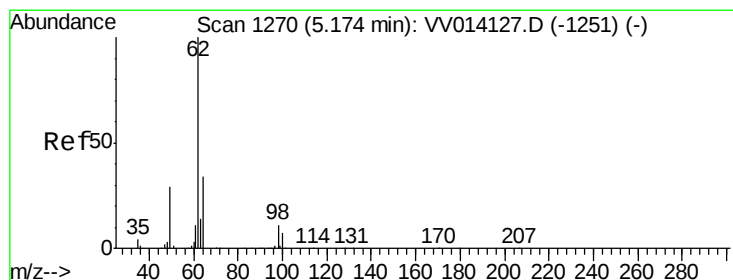
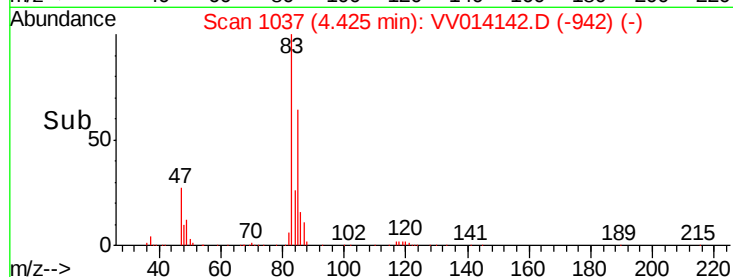
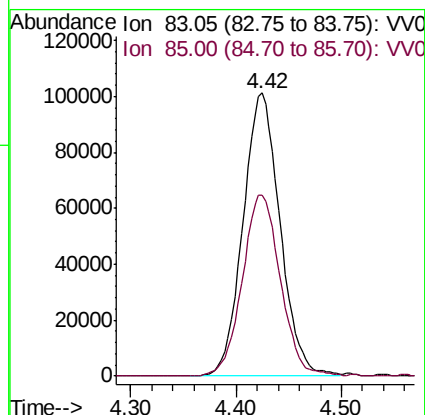
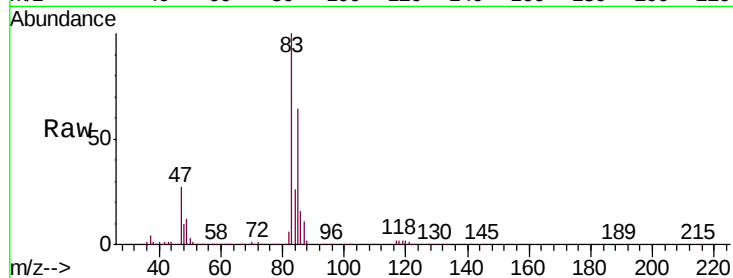




#25
Chloroform
Concen: 5.598 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VV014142.D
Acq: 19 Dec 2019 20:11

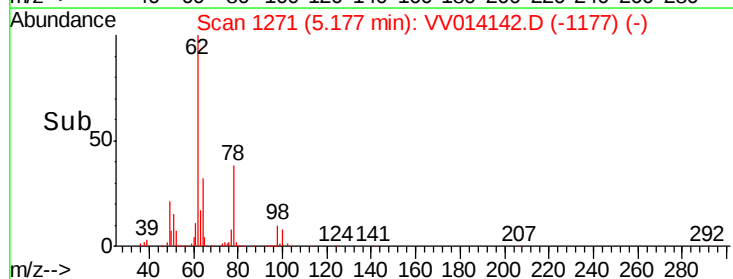
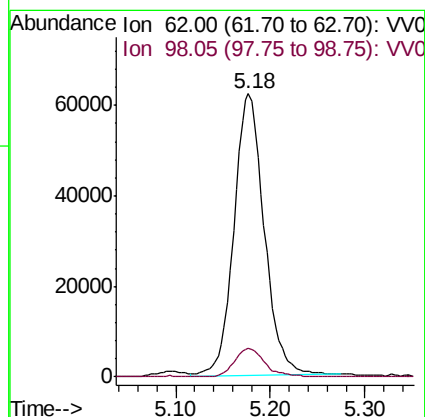
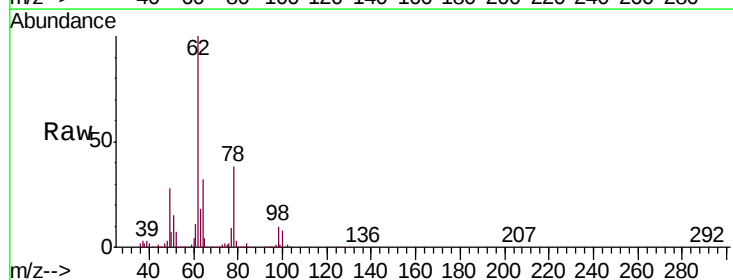
Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

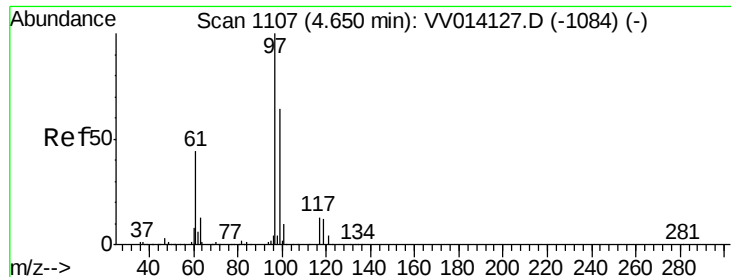
Tgt Ion: 83 Resp: 246537
Ion Ratio Lower Upper
83 100
85 63.8 45.1 83.7



#27
1,2-Dichloroethane
Concen: 5.502 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014142.D
Acq: 19 Dec 2019 20:11

Tgt Ion: 62 Resp: 138690
Ion Ratio Lower Upper
62 100
98 10.0 8.2 12.2

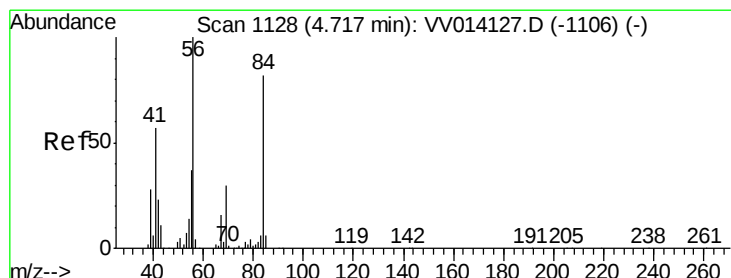
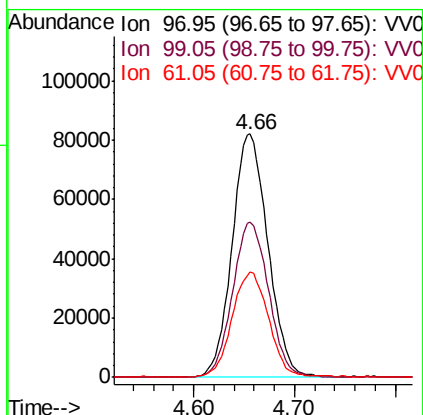
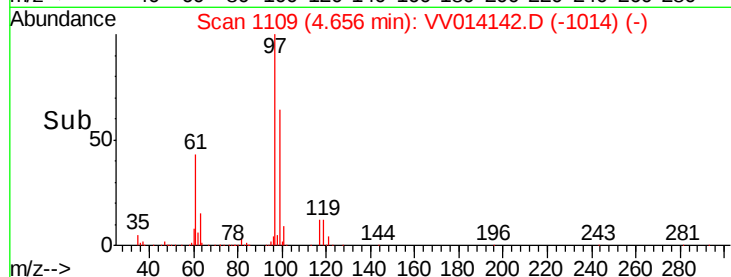
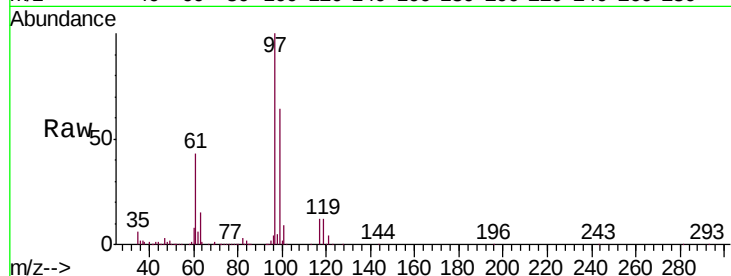




#29
1,1,1-Trichloroethane
Concen: 5.390 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VV014142.D
Acq: 19 Dec 2019 20:11

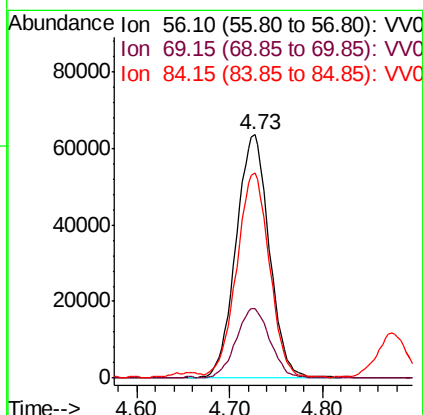
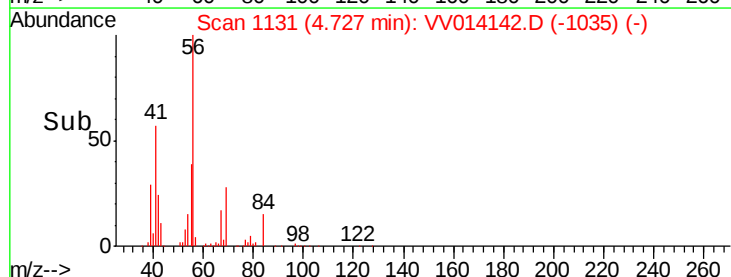
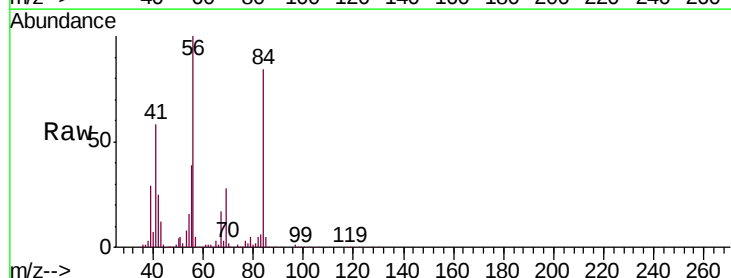
Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

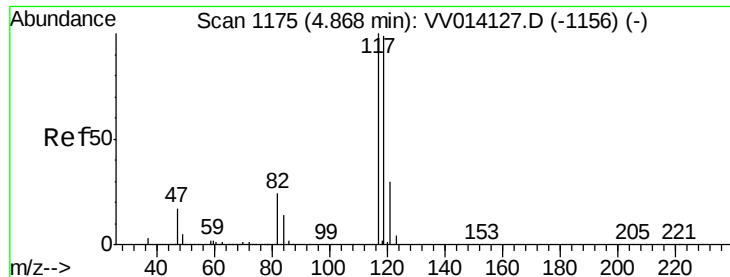
Tgt Ion: 97 Resp: 202699
Ion Ratio Lower Upper
97 100
99 64.2 51.7 77.5
61 43.4 35.0 52.6



#30
Cyclohexane
Concen: 5.025 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VV014142.D
Acq: 19 Dec 2019 20:11

Tgt Ion: 56 Resp: 157878
Ion Ratio Lower Upper
56 100
69 28.8 24.1 36.1
84 83.8 69.9 104.9

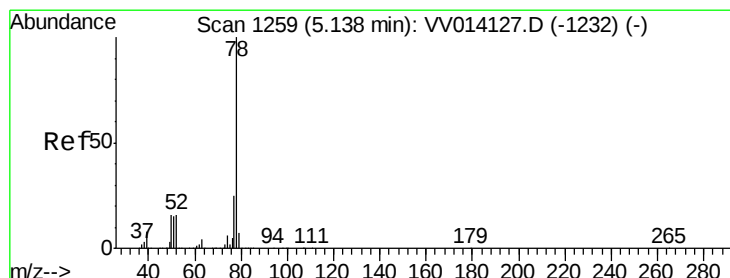
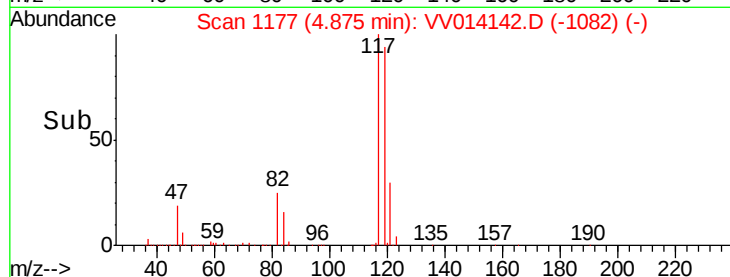
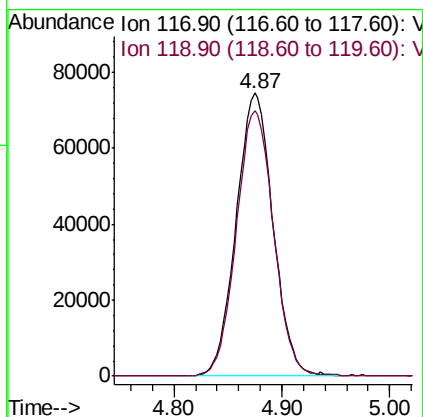
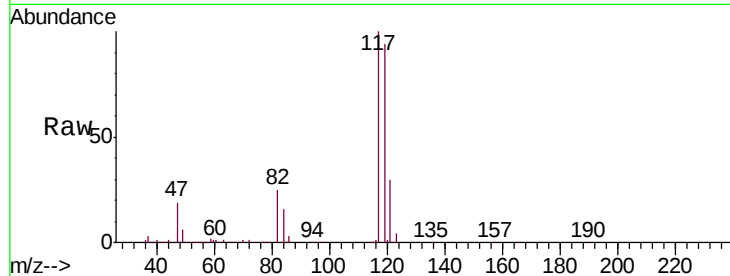




#31
Carbon tetrachloride
Concen: 5.352 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VV014142.D
Acq: 19 Dec 2019 20:11

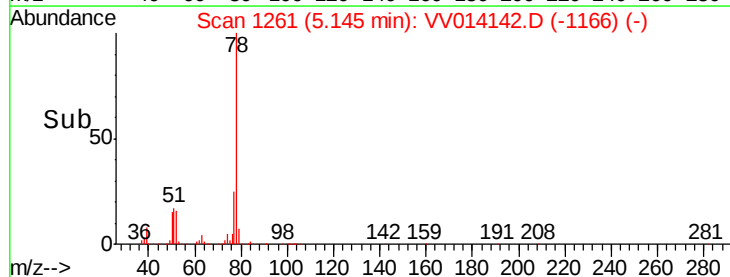
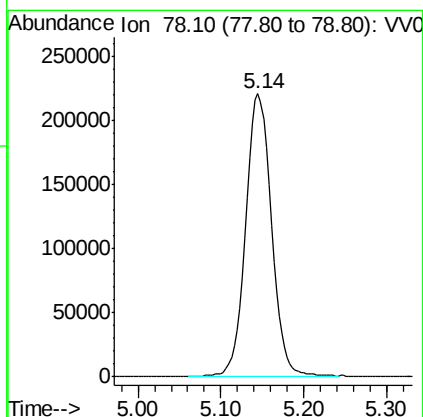
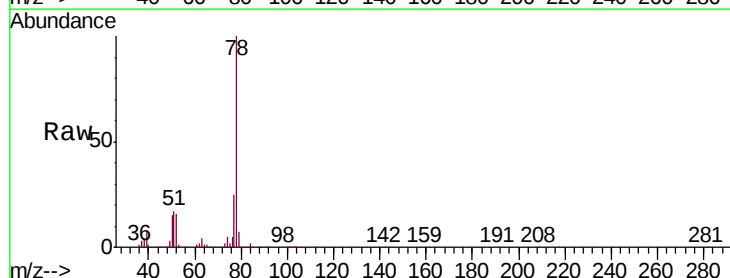
Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

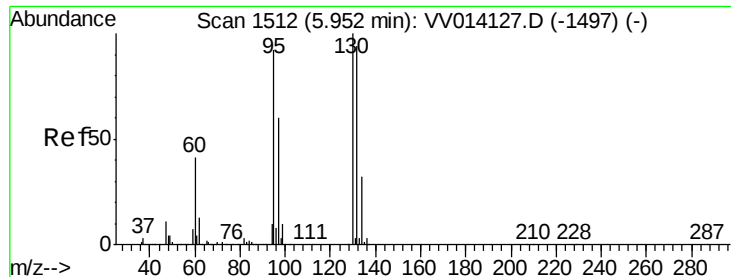
Tgt Ion:117 Resp: 177094
Ion Ratio Lower Upper
117 100
119 95.0 76.8 115.2



#33
Benzene
Concen: 5.335 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VV014142.D
Acq: 19 Dec 2019 20:11

Tgt Ion: 78 Resp: 481140





#34

Trichloroethene

Concen: 4.919 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD00558

Tgt Ion: 95 Resp: 122367

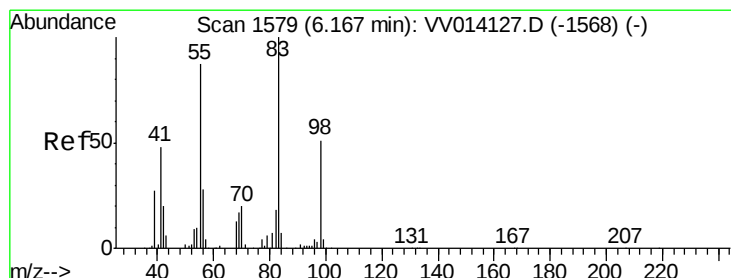
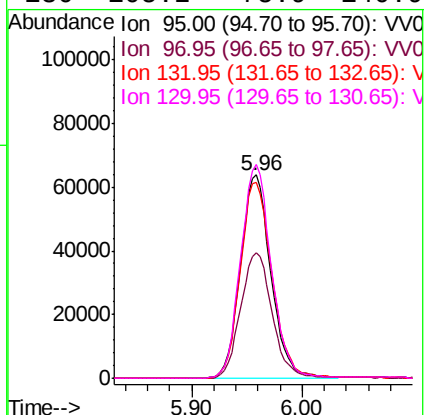
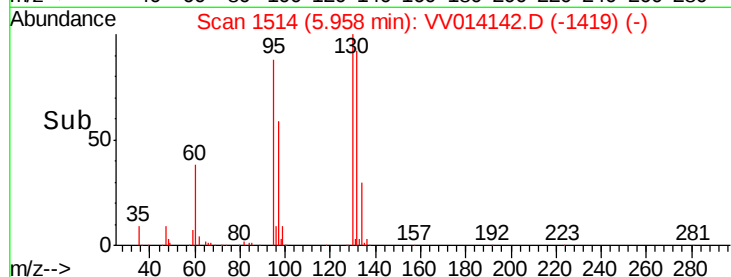
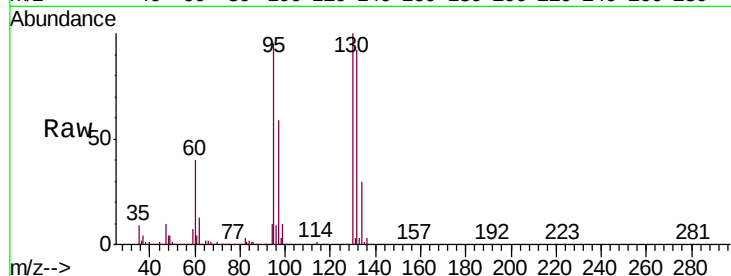
Ion Ratio Lower Upper

95 100

97 62.1 45.6 84.8

132 96.3 70.5 130.9

130 105.2 75.9 140.9



#35

Methylcyclohexane

Concen: 4.696 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

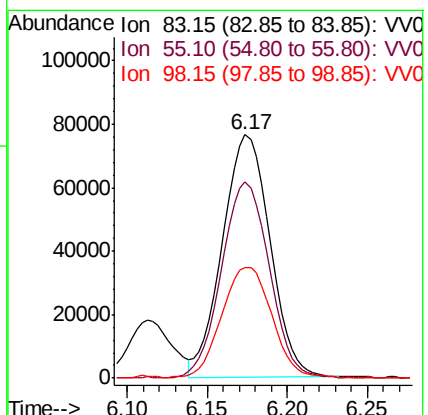
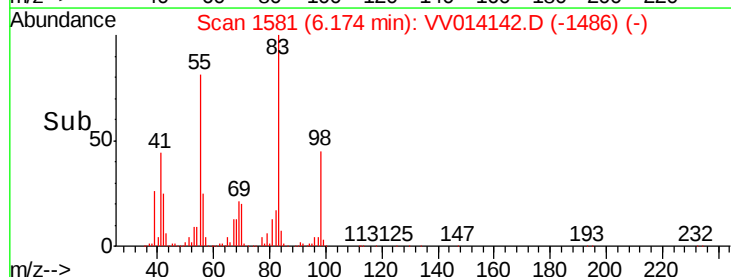
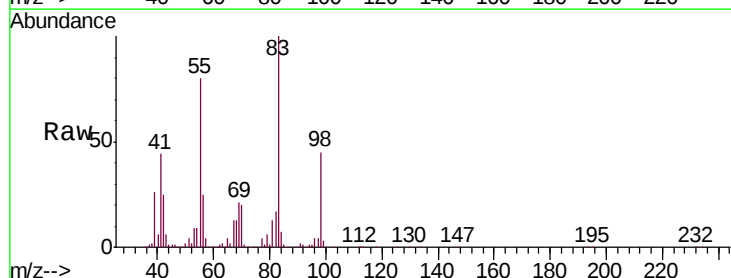
Tgt Ion: 83 Resp: 155893

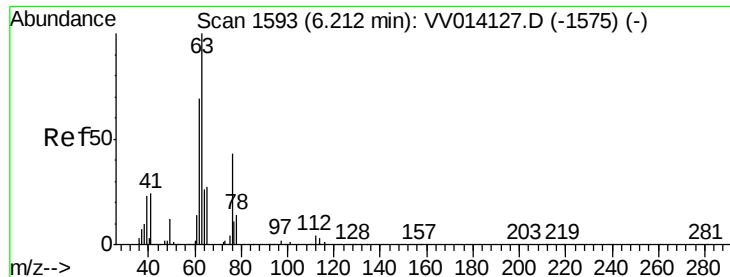
Ion Ratio Lower Upper

83 100

55 80.6 60.3 90.5

98 47.7 38.1 57.1





#37

1,2-Dichloropropane

Concen: 5.438 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

Instrument :

MSVOA_V

ClientSampleId :

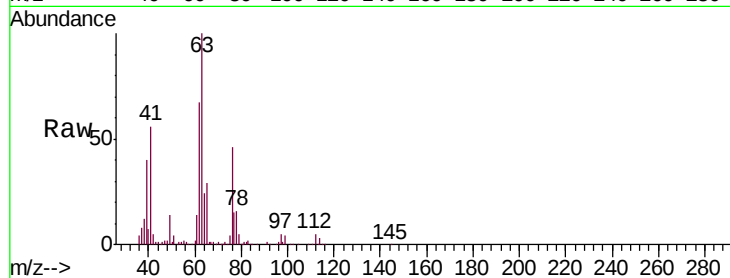
VSTD00558

Tgt Ion: 63 Resp: 126050

Ion Ratio Lower Upper

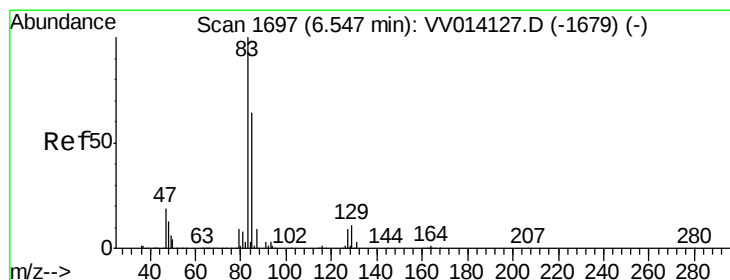
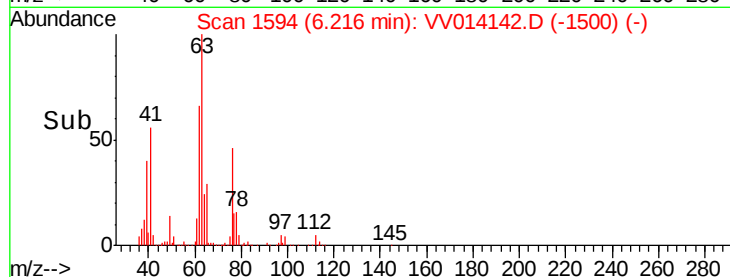
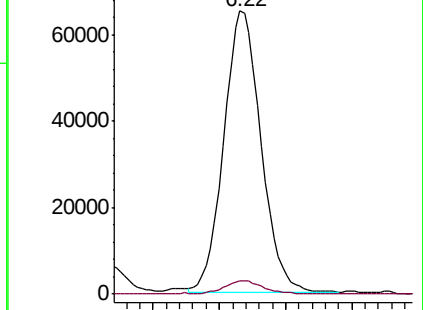
63 100

112 5.2 4.4 6.6



Abundance Ion 63.10 (62.80 to 63.80): VV014142.D (-1575) (-)

Ion 112.10 (111.80 to 112.80): VV014142.D (-1575) (-)



#38

Bromodichloromethane

Concen: 5.559 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

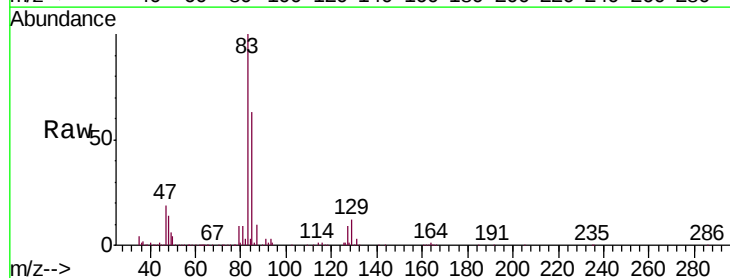
Tgt Ion: 83 Resp: 170018

Ion Ratio Lower Upper

83 100

85 63.4 46.1 85.5

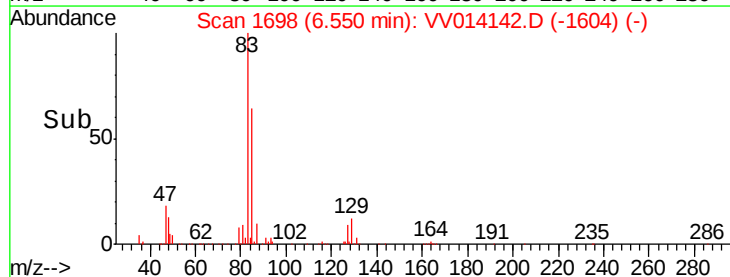
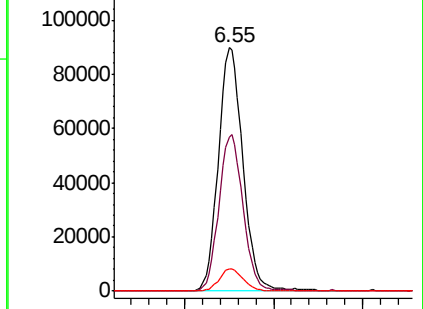
127 9.1 7.5 11.3

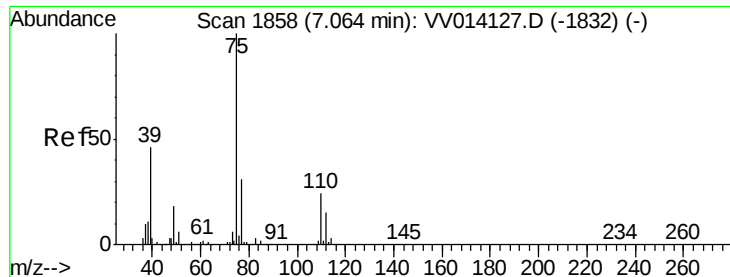


Abundance Ion 82.95 (82.65 to 83.65): VV014142.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV014142.D (-1679) (-)

Ion 126.90 (126.60 to 127.60): VV014142.D (-1679) (-)





#39

cis-1,3-Dichloropropene

Concen: 4.820 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

Instrument :

MSVOA_V

ClientSampleId :

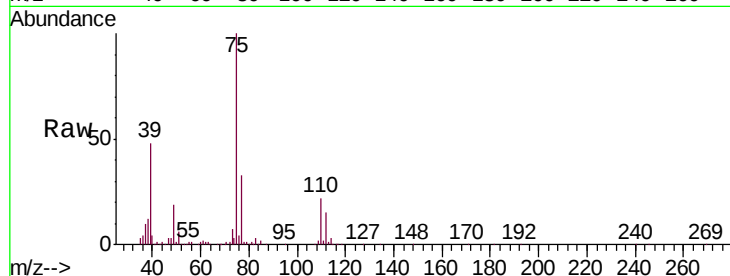
VSTD00558

Tgt Ion: 75 Resp: 158538

Ion Ratio Lower Upper

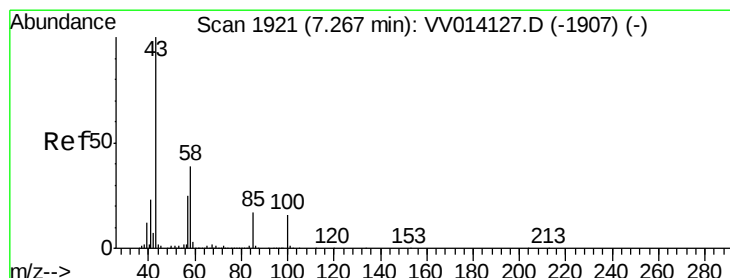
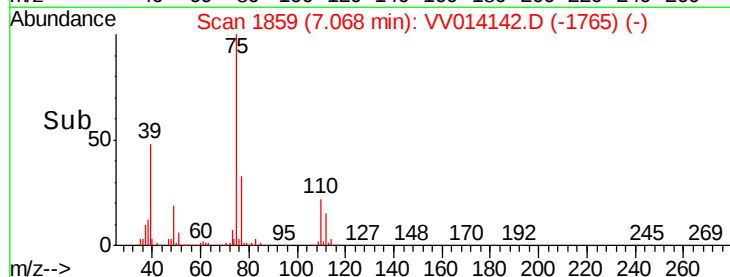
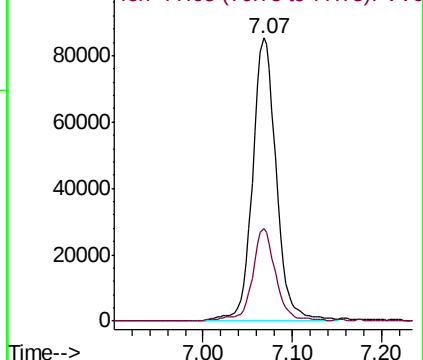
75 100

77 32.7 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 55.321 ug/L

RT: 7.27 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

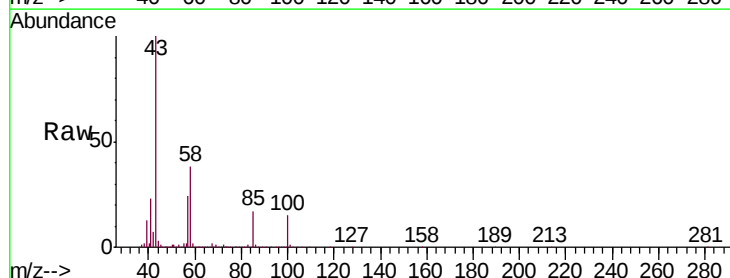
Tgt Ion: 43 Resp: 748174

Ion Ratio Lower Upper

43 100

58 37.3 32.3 48.5

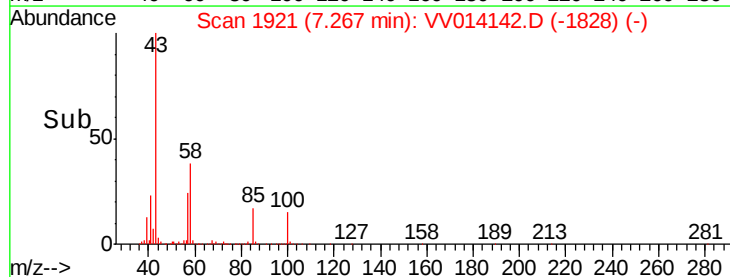
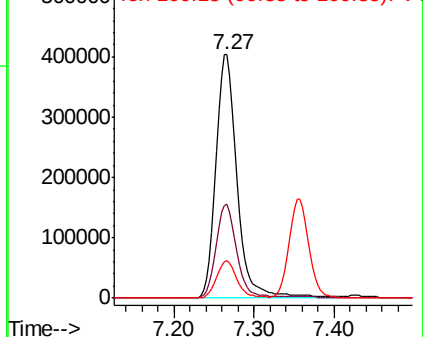
100 14.7 12.7 19.1

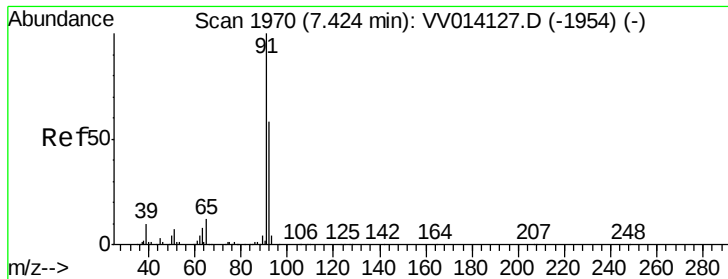


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.228 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

Instrument :

MSVOA_V

ClientSampleId :

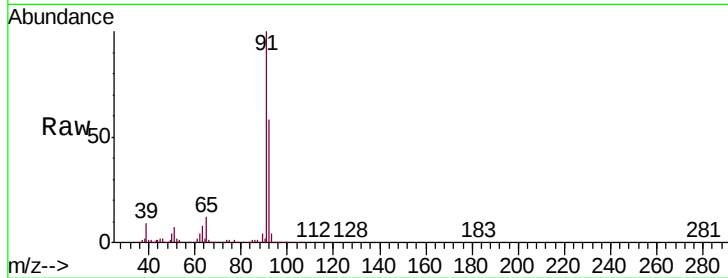
VSTD00558

Tgt Ion: 91 Resp: 505704

Ion Ratio Lower Upper

91 100

92 57.8 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

300000

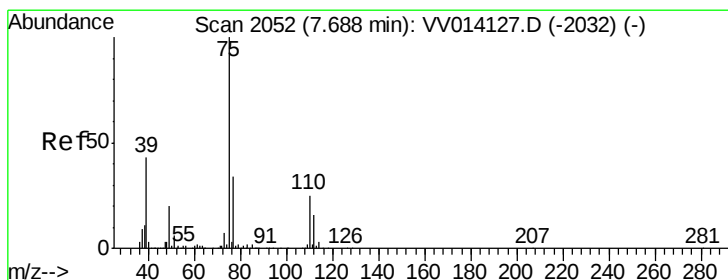
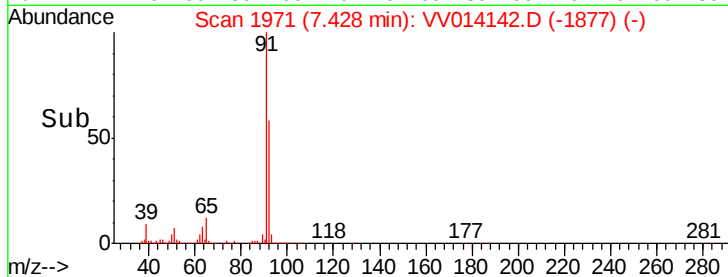
200000

100000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.853 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014142.D

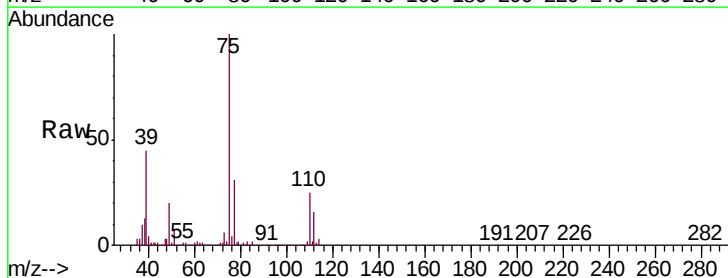
Acq: 19 Dec 2019 20:11

Tgt Ion: 75 Resp: 124920

Ion Ratio Lower Upper

75 100

77 30.8 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

80000

60000

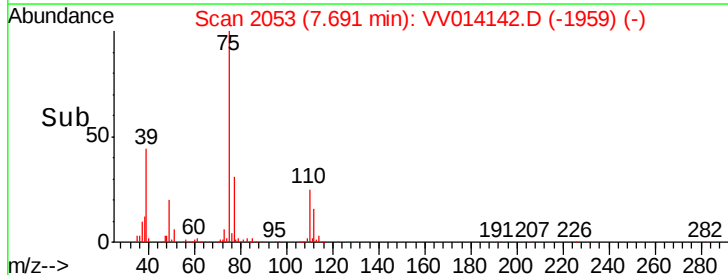
40000

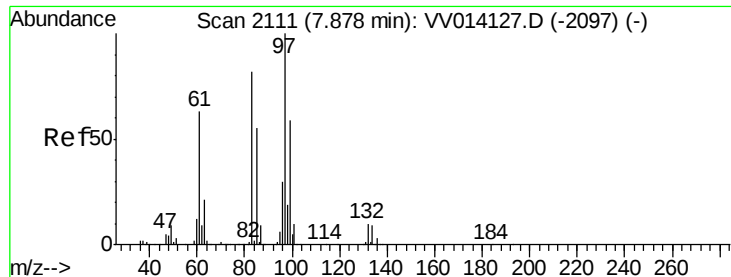
20000

0

7.60 7.65 7.70 7.75 7.80

Time-->

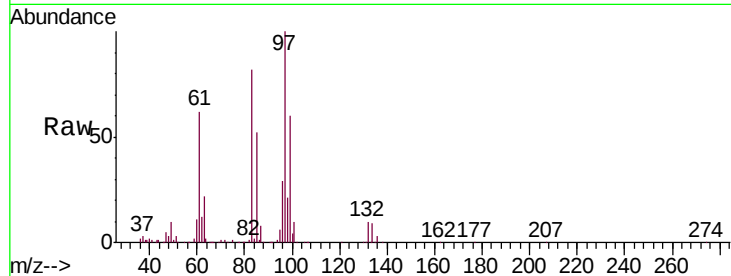




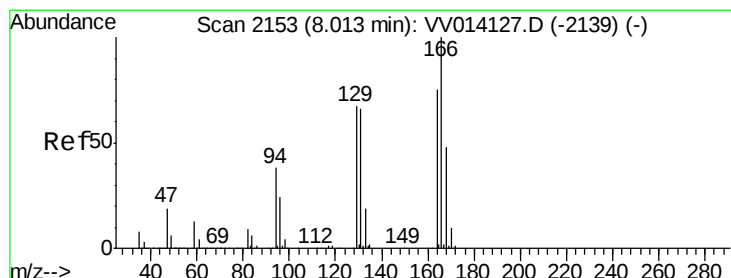
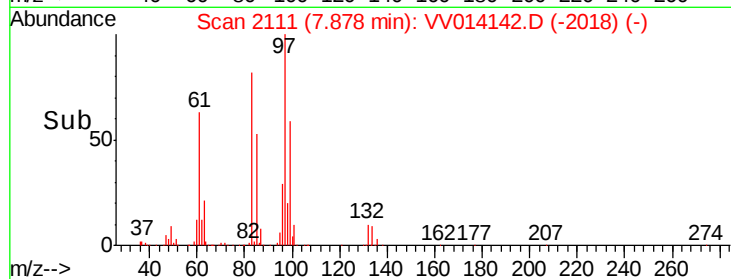
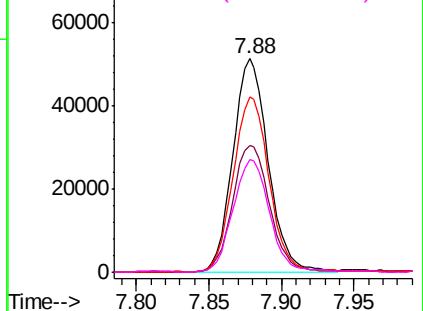
#45
 1,1,2-Trichloroethane
 Concen: 5.261 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014142.D
 Acq: 19 Dec 2019 20:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

Tgt Ion:	97	Resp:	86902
Ion	Ratio	Lower	Upper
97	100		
99	59.6	44.2	82.0
83	82.0	59.7	110.9
85	52.5	38.3	71.1

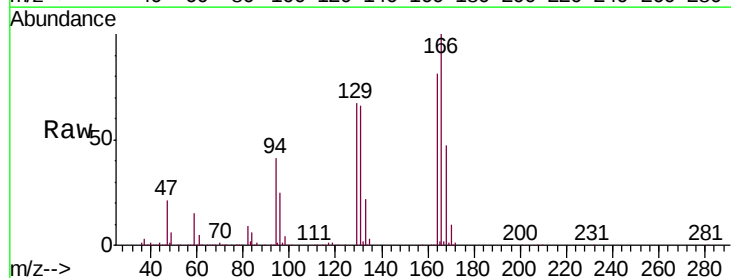


Abundance Ion 96.95 (96.65 to 97.65): VV014142.D (-2097) (-)
 Ion 99.05 (98.75 to 99.75): VV014142.D (-2097) (-)
 Ion 82.95 (82.65 to 83.65): VV014142.D (-2097) (-)
 Ion 85.00 (84.70 to 85.70): VV014142.D (-2097) (-)

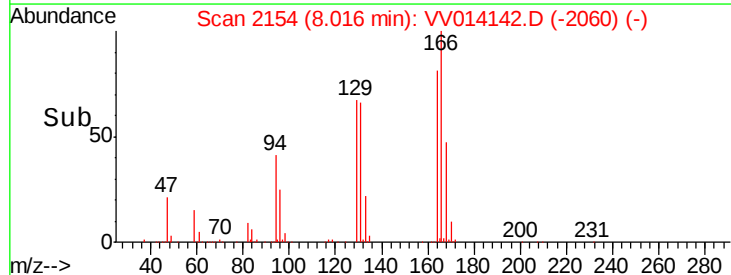
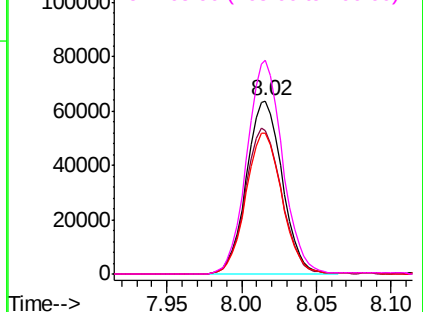


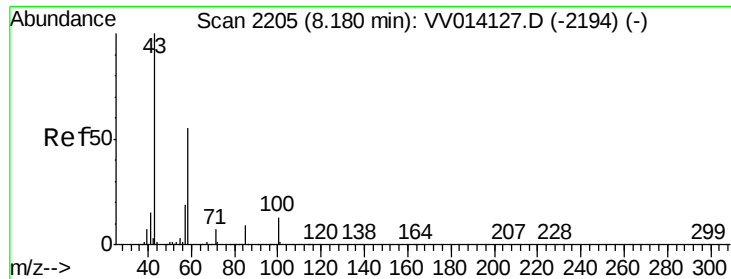
#47
 Tetrachloroethene
 Concen: 4.920 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014142.D
 Acq: 19 Dec 2019 20:11

Tgt Ion:	164	Resp:	106290
Ion	Ratio	Lower	Upper
164	100		
129	83.1	60.3	112.1
131	81.6	59.9	111.3
166	123.5	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): VV014142.D (-2139) (-)
 Ion 128.95 (128.65 to 129.65): VV014142.D (-2139) (-)
 Ion 130.95 (130.65 to 131.65): VV014142.D (-2139) (-)
 Ion 165.90 (165.60 to 166.60): VV014142.D (-2139) (-)

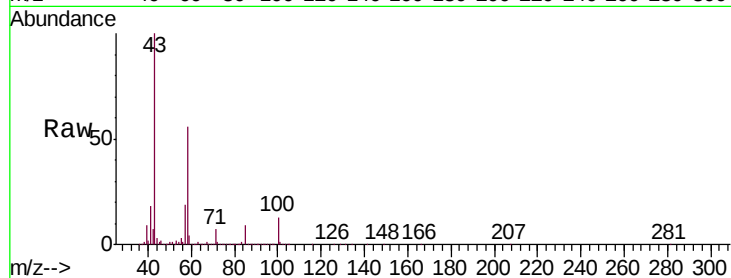




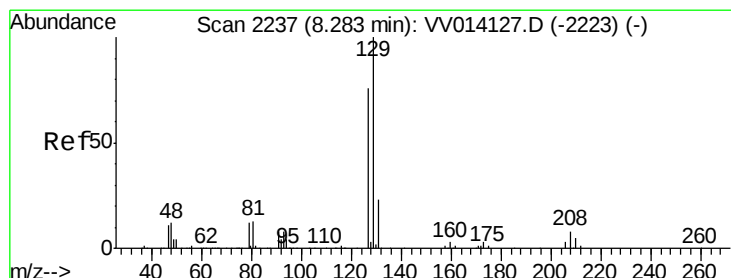
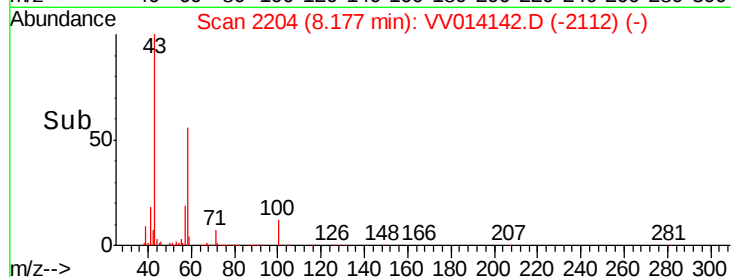
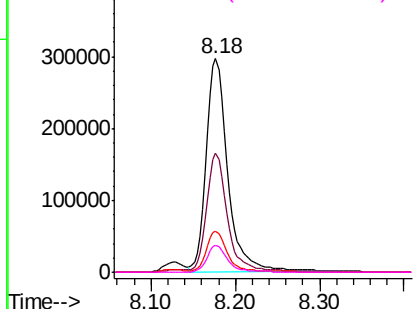
#48
2-Hexanone
Concen: 54.518 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV014142.D
Acq: 19 Dec 2019 20:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

Tgt Ion:	43	Resp:	526285
Ion	Ratio	Lower	Upper
43	100		
58	53.2	43.2	64.8
57	18.3	15.4	23.2
100	12.0	10.4	15.6

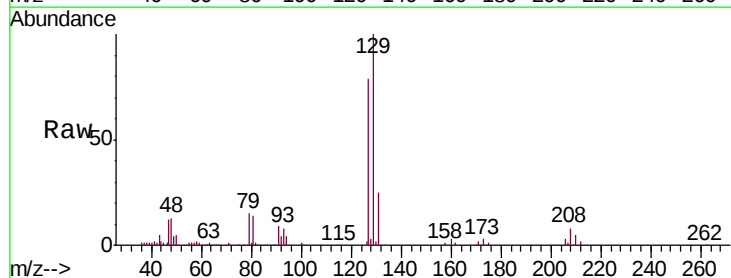


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

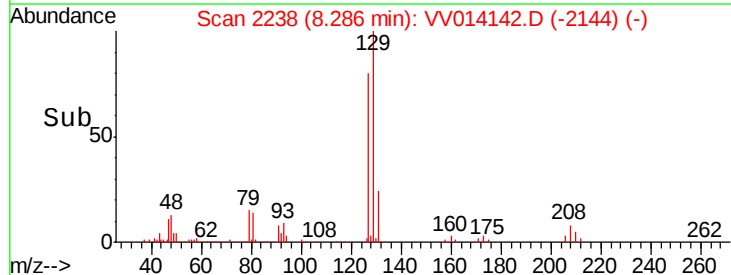
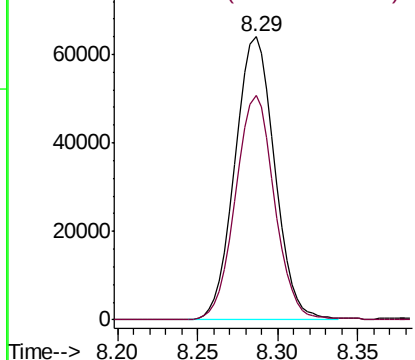


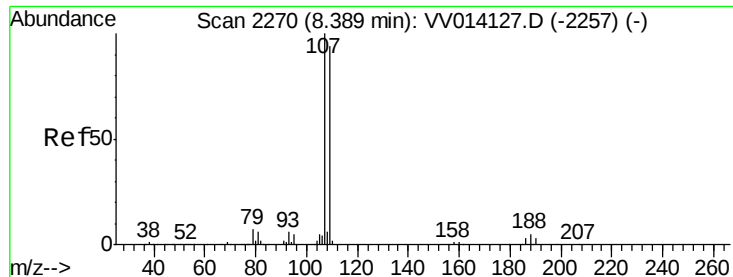
#49
Dibromochloromethane
Concen: 5.110 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014142.D
Acq: 19 Dec 2019 20:11

Tgt Ion:	129	Resp:	108252
Ion	Ratio	Lower	Upper
129	100		
127	79.3	55.7	103.5



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

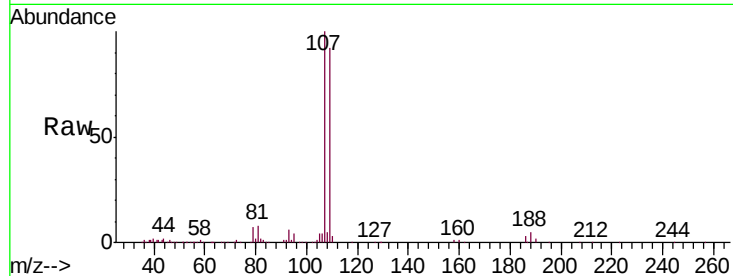




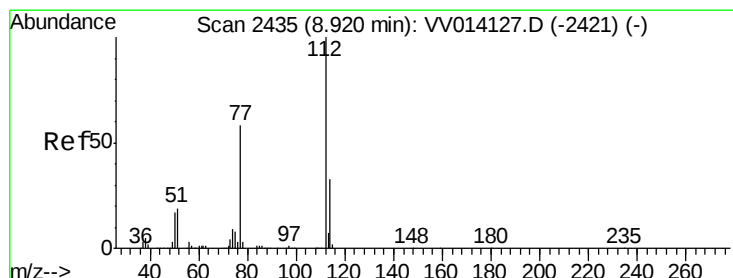
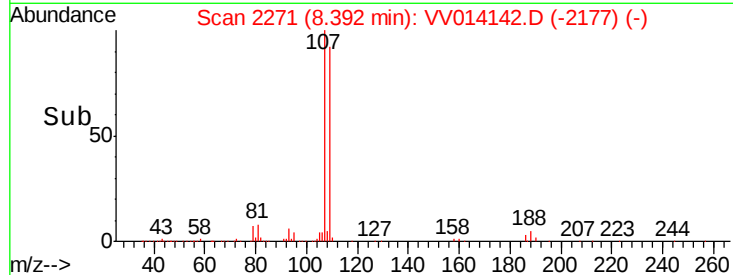
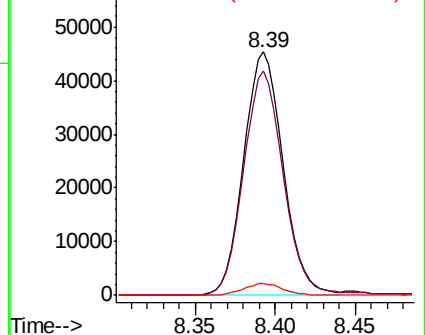
#50
 1,2-Dibromoethane
 Concen: 5.107 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV014142.D
 Acq: 19 Dec 2019 20:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

Tgt Ion:107 Resp: 76395
 Ion Ratio Lower Upper
 107 100
 109 92.1 65.2 121.0
 188 4.8 4.2 6.2

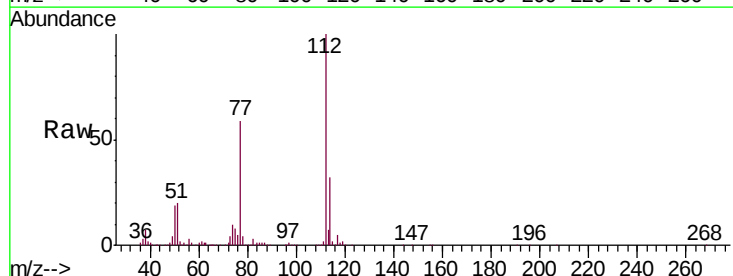


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

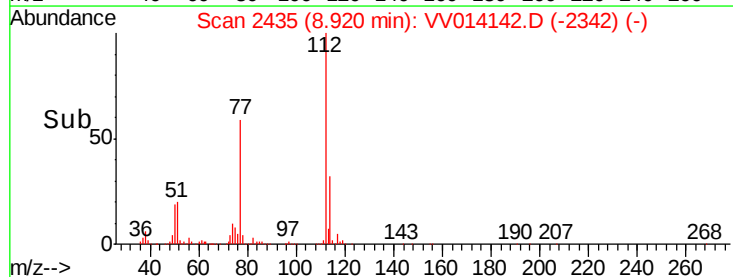
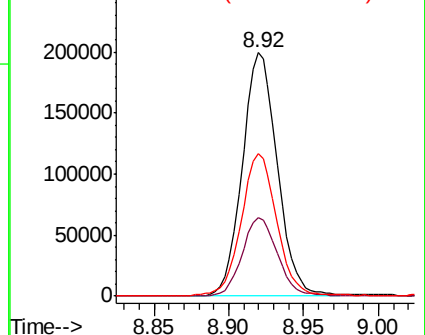


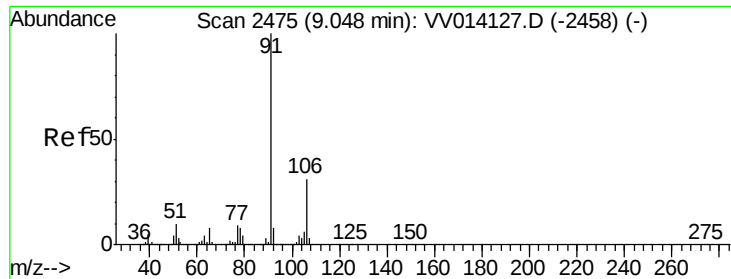
#51
 Chlorobenzene
 Concen: 4.829 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014142.D
 Acq: 19 Dec 2019 20:11

Tgt Ion:112 Resp: 325009
 Ion Ratio Lower Upper
 112 100
 114 32.1 21.8 40.6
 77 58.6 44.2 66.4



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: 4.976 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

Instrument :

MSVOA_V

ClientSampleId :

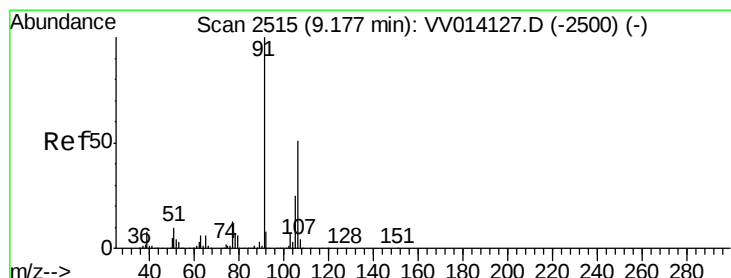
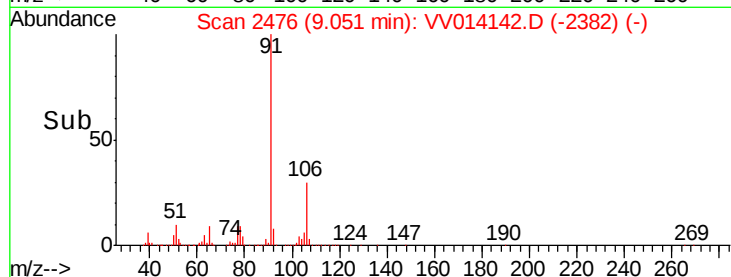
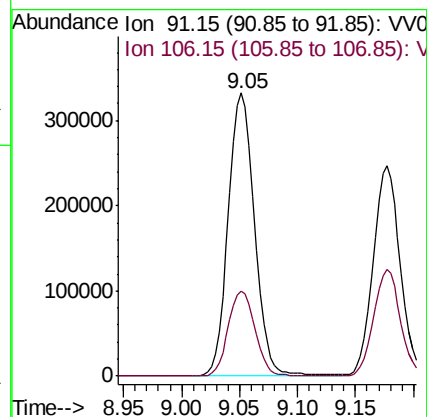
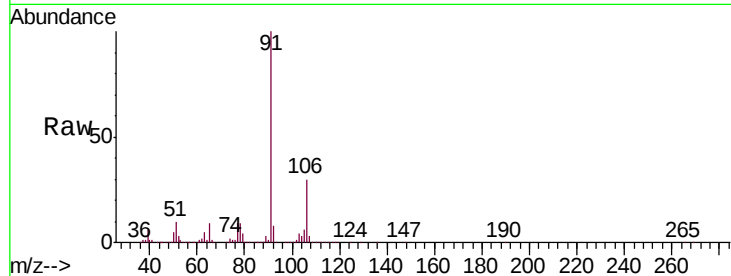
VSTD00558

Tgt Ion: 91 Resp: 522912

Ion Ratio Lower Upper

91 100

106 30.1 22.1 41.1



#53

m,p-xylene

Concen: 5.044 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014142.D

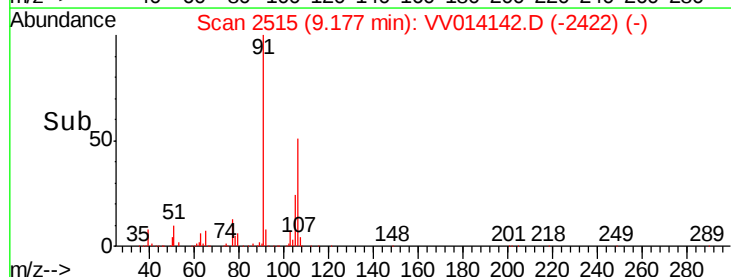
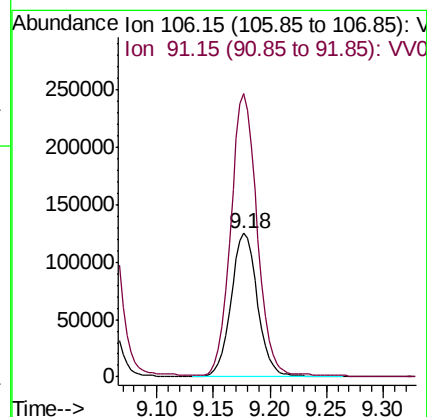
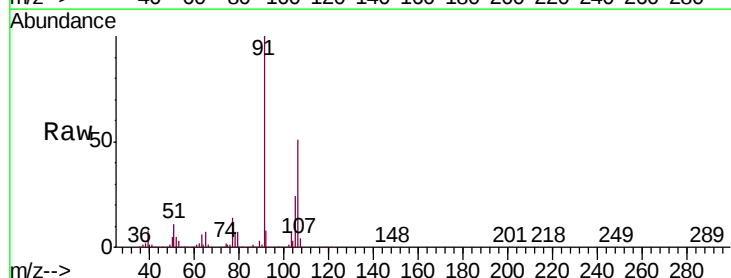
Acq: 19 Dec 2019 20:11

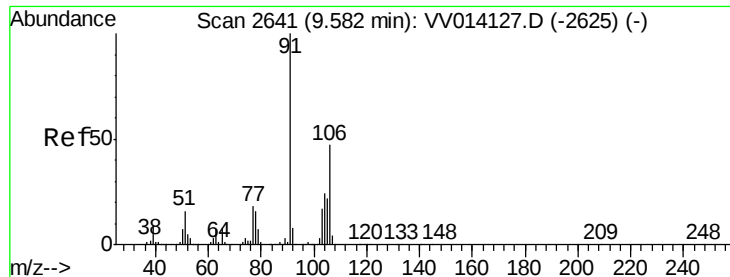
Tgt Ion: 106 Resp: 202055

Ion Ratio Lower Upper

106 100

91 197.3 139.9 259.9





#54

o-xylene

Concen: 5.085 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

Instrument :

MSVOA_V

ClientSampleId :

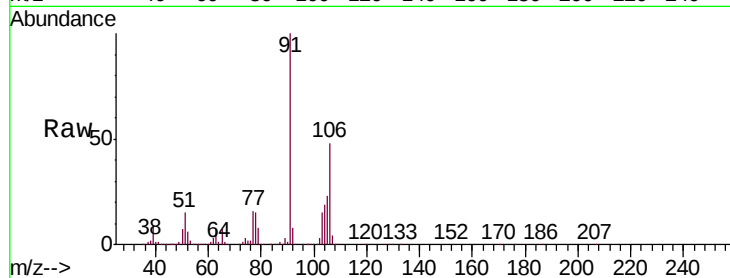
VSTD00558

Tgt Ion:106 Resp: 198893

Ion Ratio Lower Upper

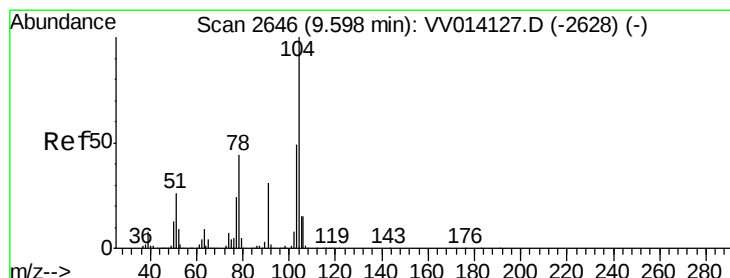
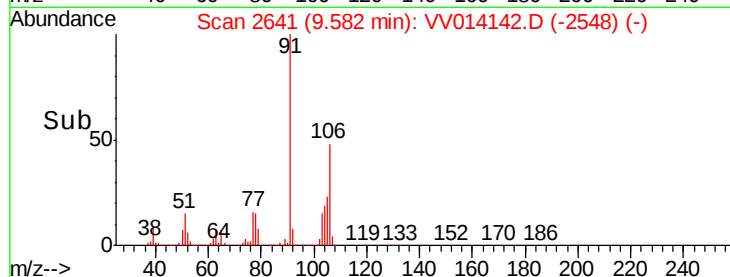
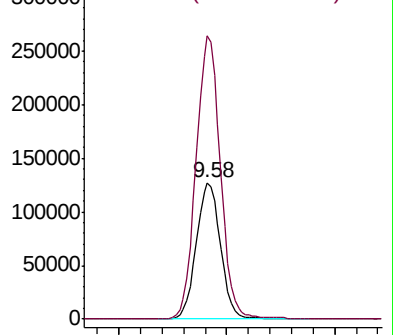
106 100

91 207.9 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.153 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014142.D

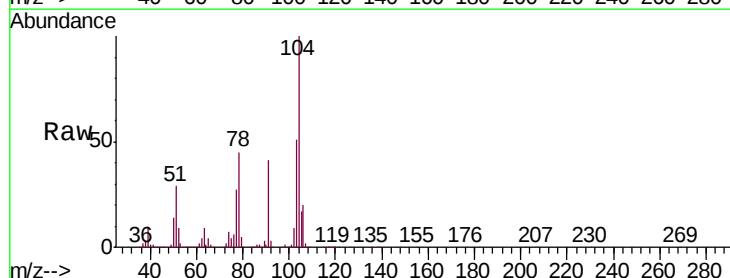
Acq: 19 Dec 2019 20:11

Tgt Ion:104 Resp: 347963

Ion Ratio Lower Upper

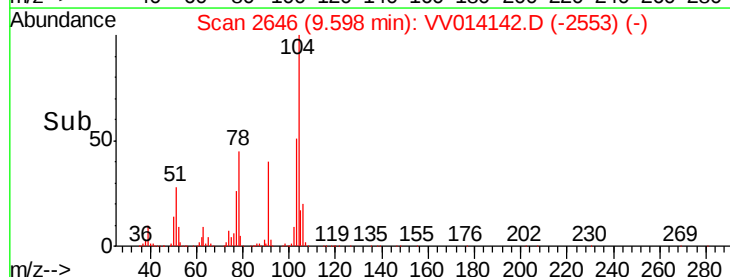
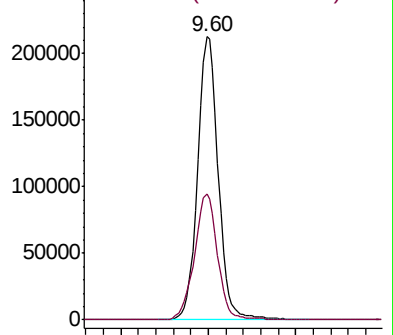
104 100

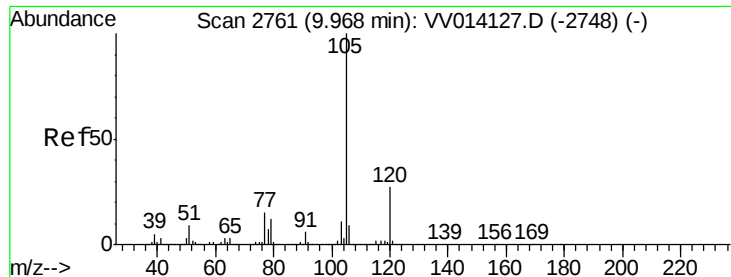
78 44.7 31.0 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.008 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD00558

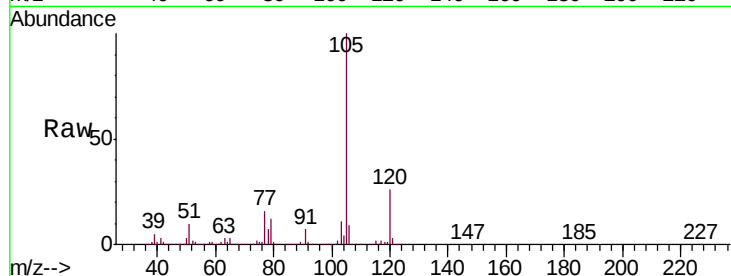
Tgt Ion: 105 Resp: 533746

Ion Ratio Lower Upper

105 100

120 26.5 21.3 31.9

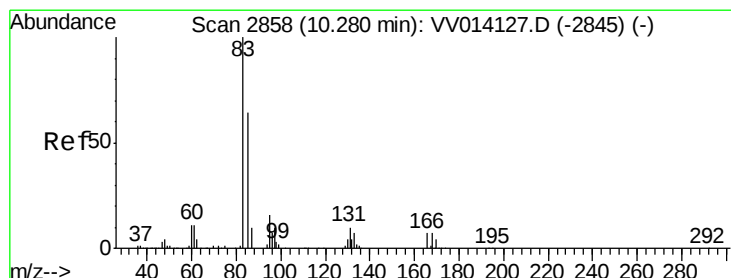
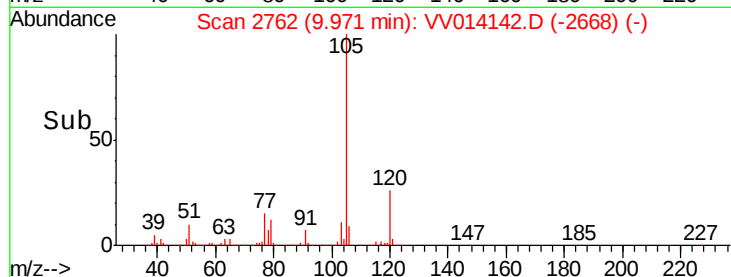
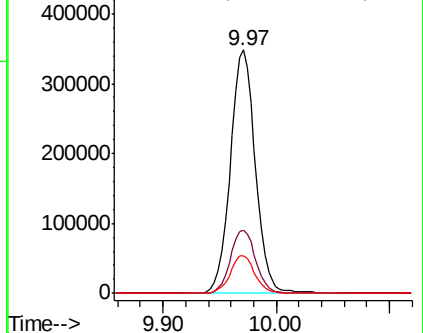
77 15.2 12.1 18.1



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: 5.688 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

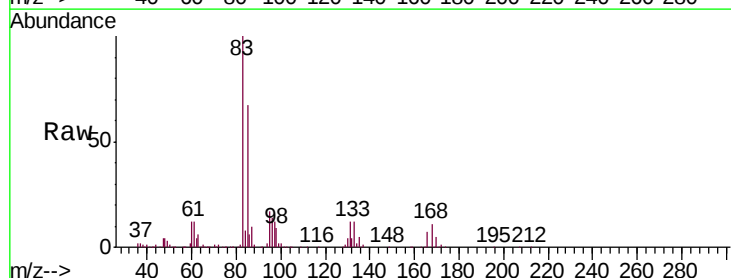
Tgt Ion: 83 Resp: 103236

Ion Ratio Lower Upper

83 100

85 66.5 45.1 83.7

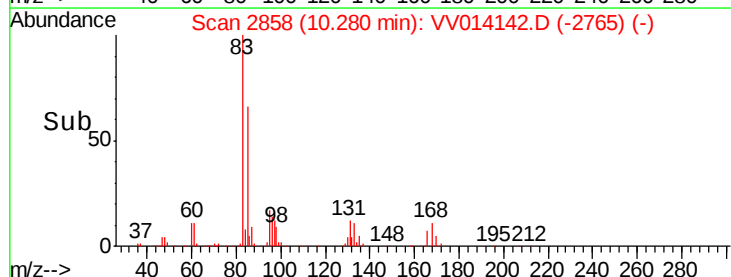
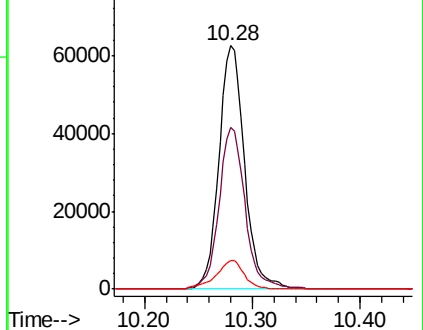
131 11.6 9.3 13.9

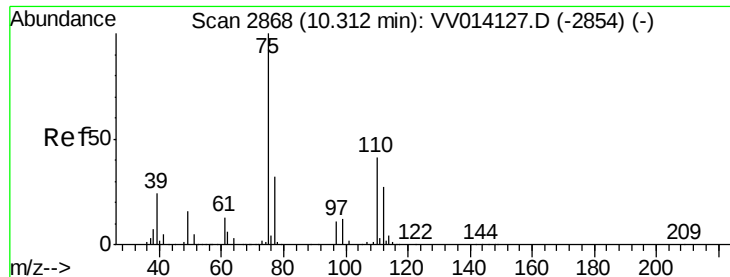


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.531 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

Instrument :

MSVOA_V

ClientSampleId :

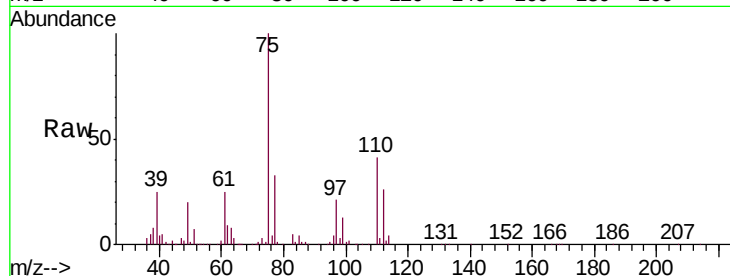
VSTD00558

Tgt Ion: 75 Resp: 78698

Ion Ratio Lower Upper

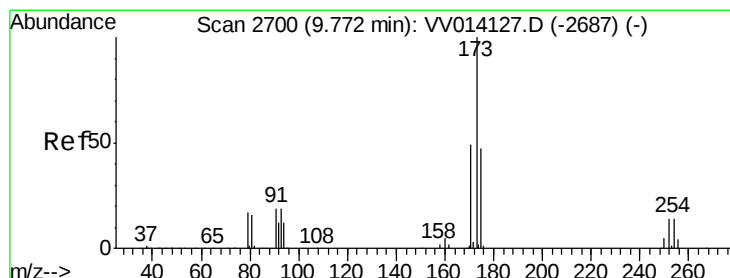
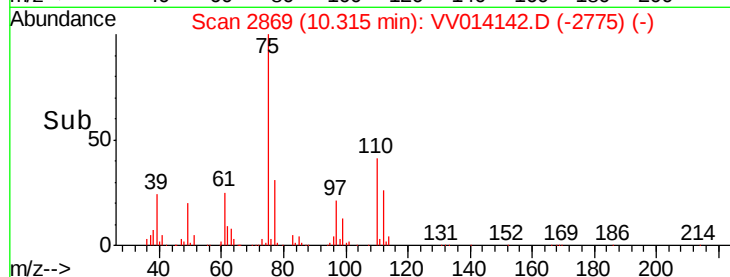
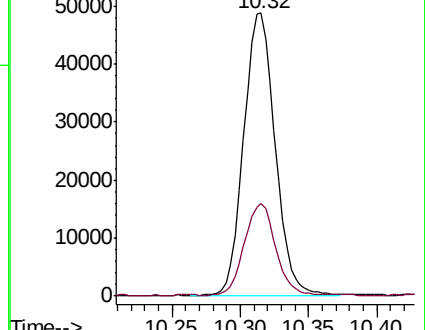
75 100

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV014127.D (-2854) (-)

Ion 77.00 (76.70 to 77.70): VV014127.D (-2854) (-)



#61

Bromoform

Concen: 5.133 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

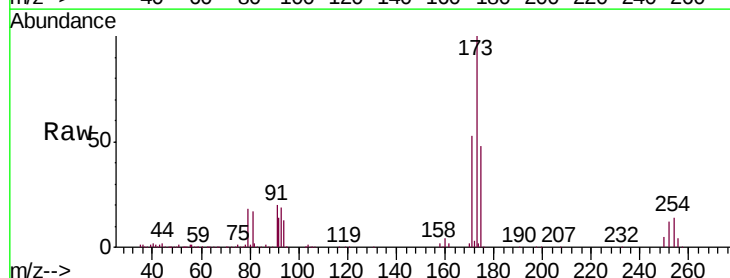
Tgt Ion: 173 Resp: 63861

Ion Ratio Lower Upper

173 100

175 48.1 39.1 58.7

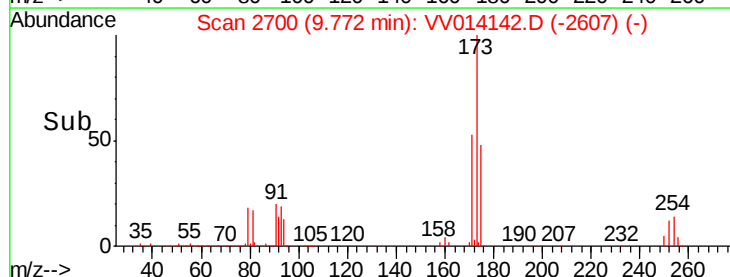
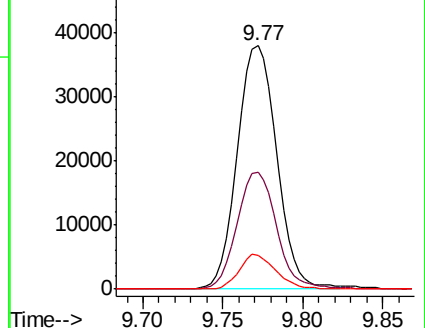
254 13.1 10.4 15.6

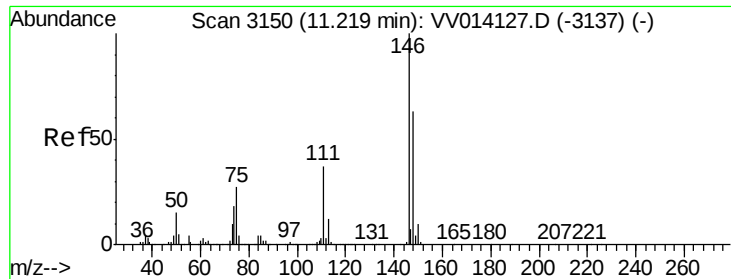


Abundance Ion 172.90 (172.60 to 173.60): VV014127.D (-2687) (-)

Ion 174.90 (174.60 to 175.60): VV014127.D (-2687) (-)

Ion 253.75 (253.45 to 254.45): VV014127.D (-2687) (-)

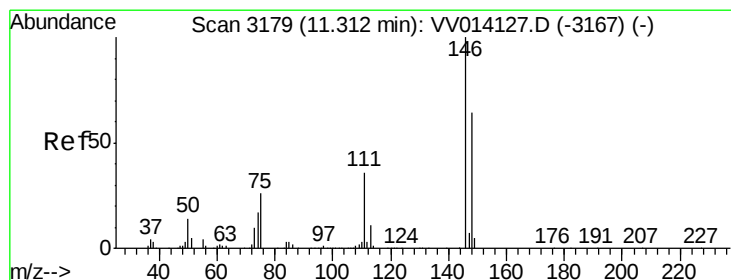
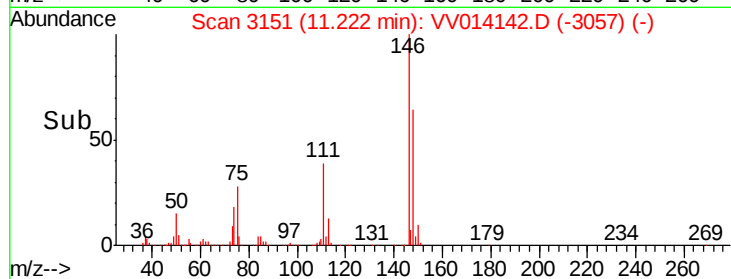
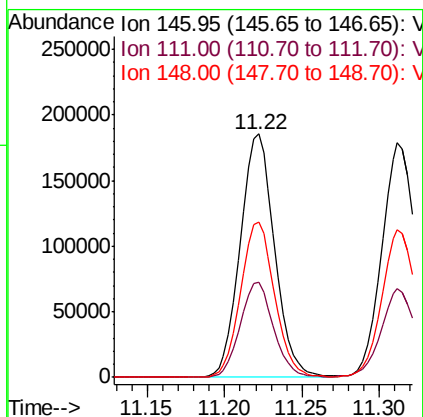
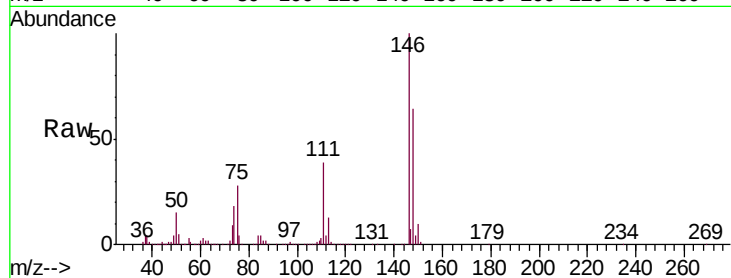




#62
 1,3-Dichlorobenzene
 Concen: 4.997 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014142.D
 Acq: 19 Dec 2019 20:11

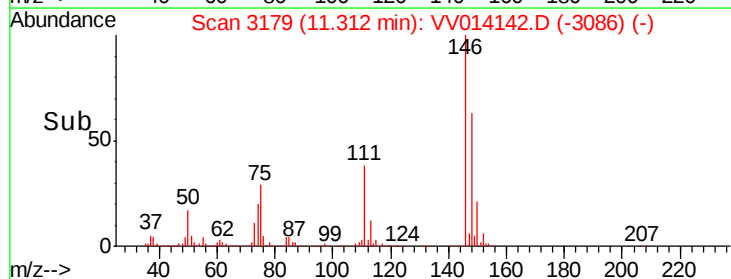
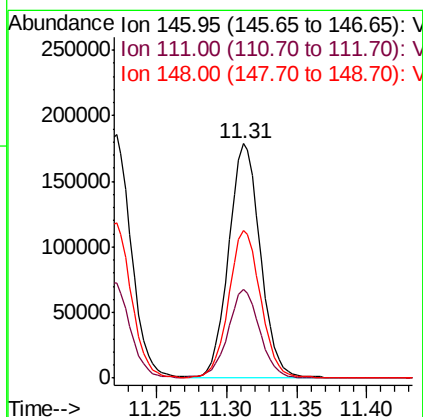
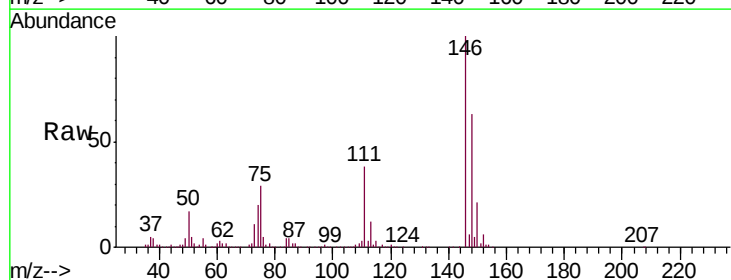
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

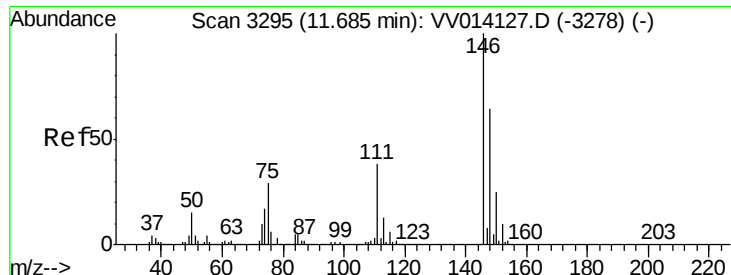
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	25.6	47.6
148	63.8	44.7	82.9



#63
 1,4-Dichlorobenzene
 Concen: 4.786 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014142.D
 Acq: 19 Dec 2019 20:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	25.0	46.4
148	63.2	45.4	84.2

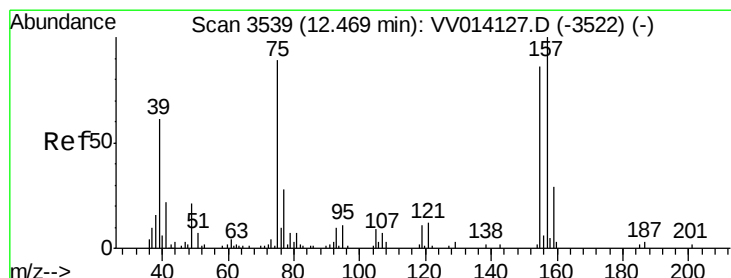
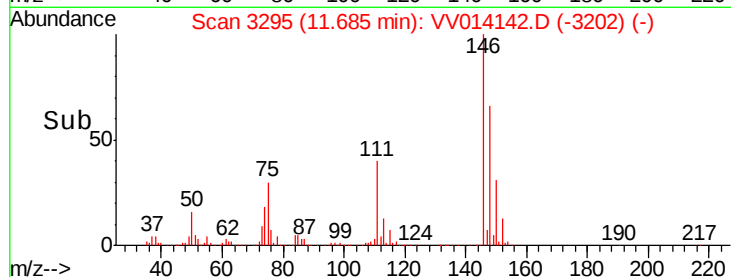
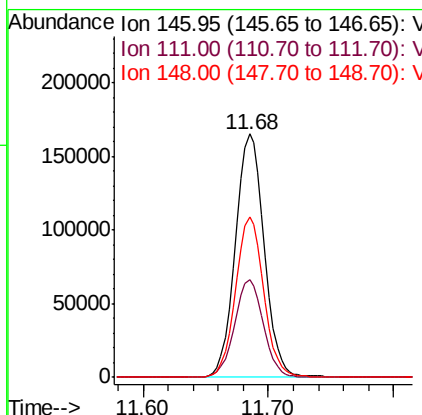
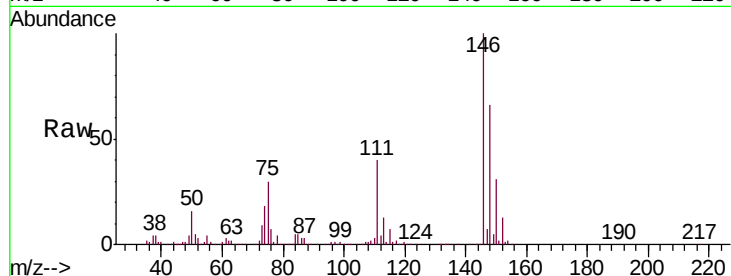




#65
 1,2-Dichlorobenzene
 Concen: 4.943 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014142.D
 Acq: 19 Dec 2019 20:11

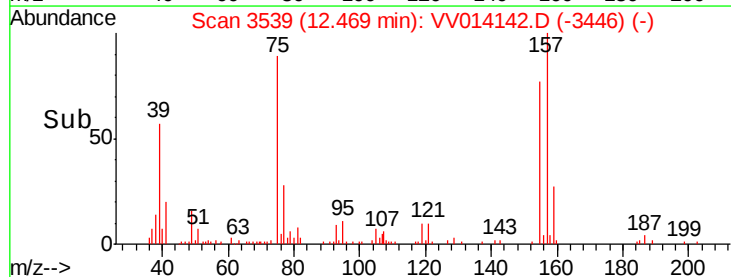
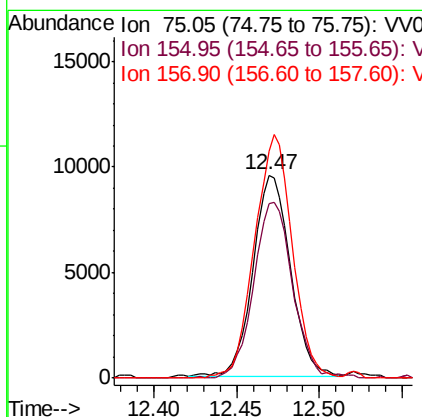
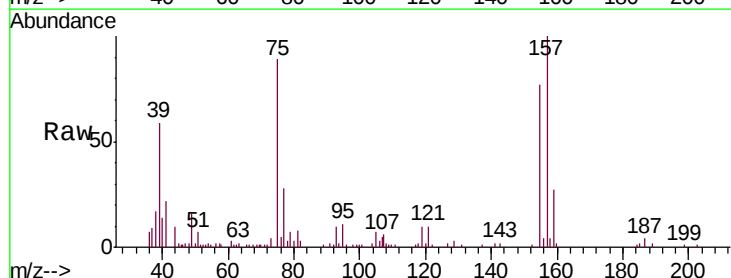
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

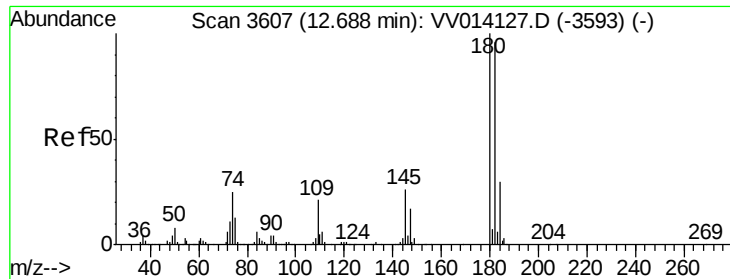
Tgt Ion: 146 Resp: 263439
 Ion Ratio Lower Upper
 146 100
 111 39.9 31.3 46.9
 148 65.9 52.2 78.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.808 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014142.D
 Acq: 19 Dec 2019 20:11

Tgt Ion: 75 Resp: 14892
 Ion Ratio Lower Upper
 75 100
 155 86.1 73.4 110.0
 157 111.8 98.7 148.1

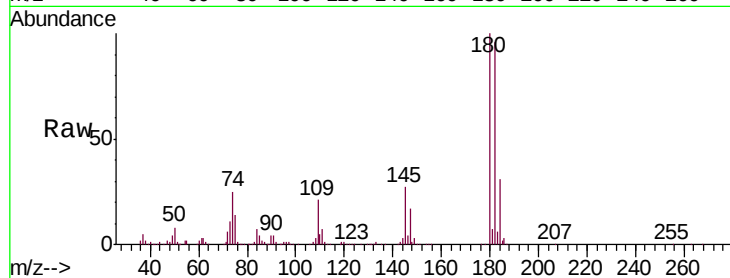




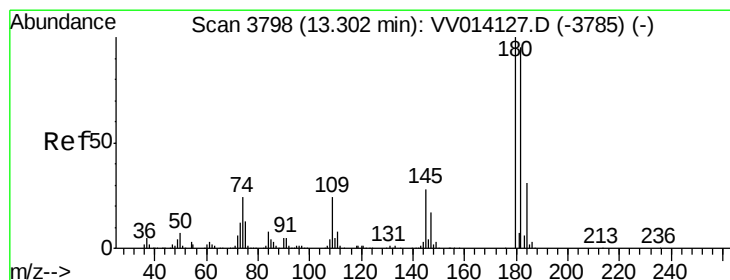
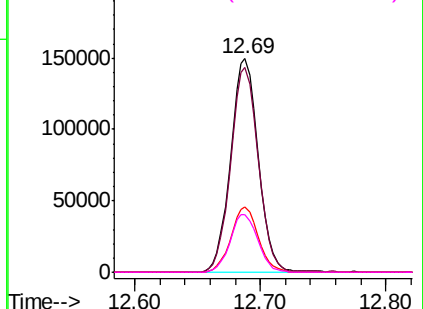
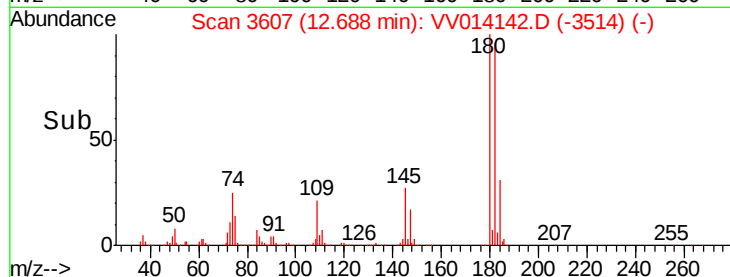
#67
 1,3,5-Trichlorobenzene
 Concen: 4.717 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014142.D
 Acq: 19 Dec 2019 20:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

Tgt Ion:	180	Resp:	228796
Ion	Ratio	Lower	Upper
180	100		
182	95.8	74.8	112.2
184	30.2	23.2	34.8
145	27.3	21.3	31.9

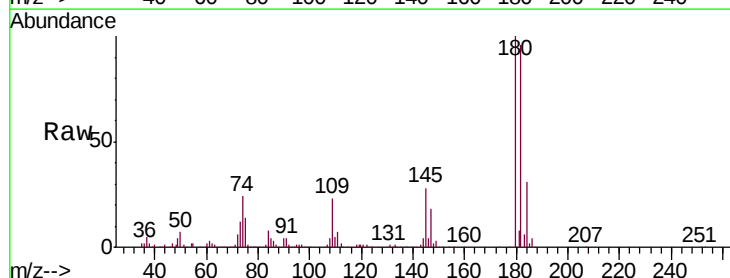


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

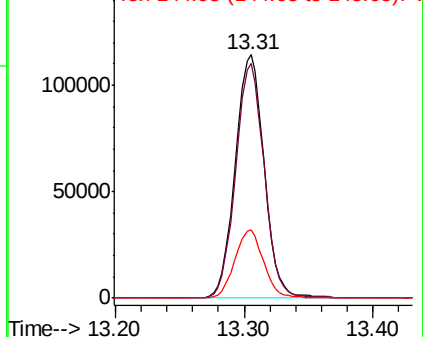
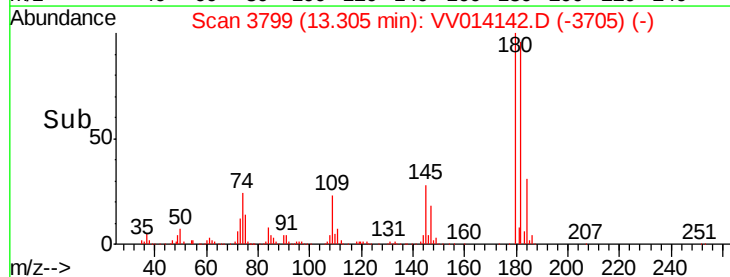


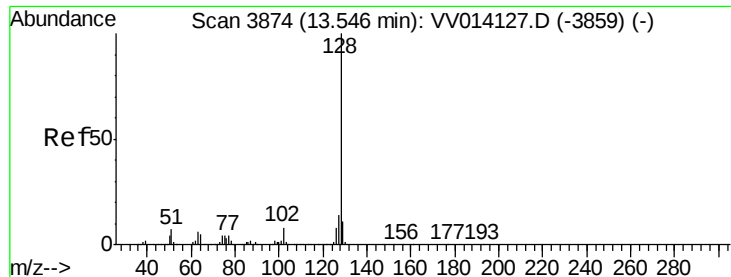
#68
 1,2,4-trichlorobenzene
 Concen: 4.469 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014142.D
 Acq: 19 Dec 2019 20:11

Tgt Ion:	180	Resp:	177793
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.4
145	28.1	21.0	31.6



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





#69

Naphthalene

Concen: 4.074 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD00558

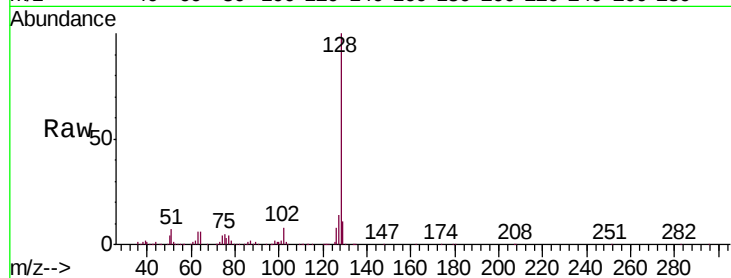
Tgt Ion:128 Resp: 220684

Ion Ratio Lower Upper

128 100

129 11.5 8.6 12.8

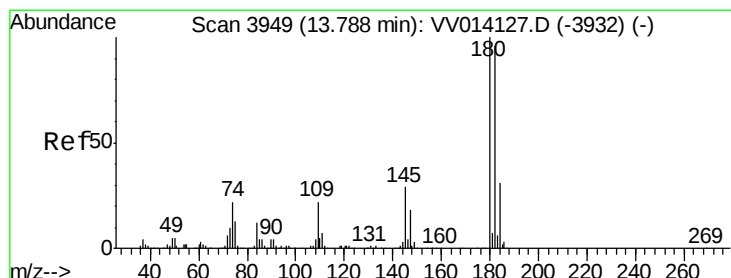
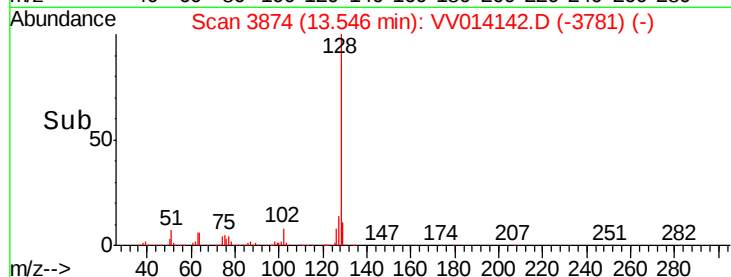
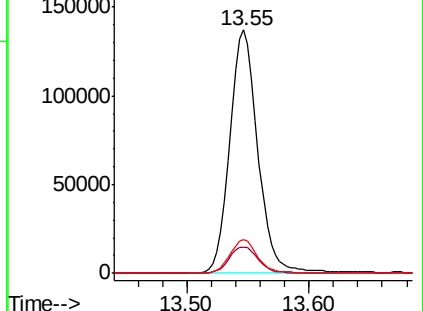
127 13.8 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.720 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014142.D

Acq: 19 Dec 2019 20:11

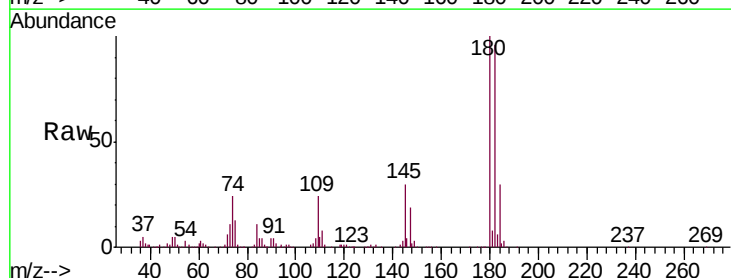
Tgt Ion:180 Resp: 171046

Ion Ratio Lower Upper

180 100

182 95.3 78.5 117.7

145 30.0 23.8 35.8



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

