

Data File : VV012076.D
Acq On : 30 Jul 2019 18:03
Operator : SY/MD
Sample : VSTD00535
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

Quant Time: Jul 31 04:36:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 04:32:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	120351	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	119264	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	66745	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27605	4.46	ug/L	0.00
7) Chloroethane-d5	1.59	69	21811	4.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	58968	4.76	ug/L	0.00
20) 2-Butanone-d5	3.97	46	80317	44.72	ug/L	0.00
24) Chloroform-d	4.40	84	74137	4.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	42932	5.03	ug/L	0.00
32) Benzene-d6	5.10	84	148641	4.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	40878	4.36	ug/L	0.00
41) Toluene-d8	7.36	98	146301	4.75	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	18734	4.83	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	62837	41.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	31646	4.66	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	59294	4.63	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	69293	5.525	ug/L 100
3) Chloromethane	1.25	50	32567	4.668	ug/L 100
5) Vinyl chloride	1.32	62	35185	4.884	ug/L 100
6) Bromomethane	1.54	94	23150	5.369	ug/L 100
8) Chloroethane	1.60	64	19886	4.688	ug/L 100
9) Trichlorofluoromethane	1.77	101	71695	5.301	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	30932	5.099	ug/L 100
12) 1,1-Dichloroethene	2.14	96	27681	5.110	ug/L 100
13) Acetone	2.23	43	42245	44.609	ug/L 100
14) Carbon disulfide	2.32	76	75075	4.898	ug/L 100
15) Methyl Acetate	2.48	43	8450	4.033	ug/L 100
16) Methylene chloride	2.54	84	28004	4.585	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	94191	5.119	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	40231	4.823	ug/L 100
19) 1,1-Dichloroethane	3.23	63	74039	5.017	ug/L 100
21) 2-Butanone	4.05	43	85070	46.986	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	44585	4.957	ug/L 100
23) Bromochloromethane	4.30	128	19998	5.342	ug/L 100
25) Chloroform	4.43	83	91044	5.018	ug/L 100
27) 1,2-Dichloroethane	5.18	62	52471	5.218	ug/L 100
29) 1,1,1-Trichloroethane	4.66	97	78929	5.217	ug/L 100
30) Cyclohexane	4.72	56	61342	4.429	ug/L 100
31) Carbon tetrachloride	4.87	117	72436	5.301	ug/L 100
33) Benzene	5.15	78	165535	4.851	ug/L 100
34) Trichloroethene	5.96	95	47264	4.945	ug/L 100
35) Methylcyclohexane	6.18	83	71072	4.805	ug/L 100
37) 1,2-Dichloropropane	6.22	63	35978	4.425	ug/L 100
38) Bromodichloromethane	6.56	83	54693	4.951	ug/L 100
39) cis-1,3-Dichloropropene	7.07	75	59808	4.913	ug/L 100
40) 4-Methyl-2-pentanone	7.28	43	209853	46.650	ug/L 100

Data File : VV012076.D
Acq On : 30 Jul 2019 18:03
Operator : SY/MD
Sample : VSTD00535
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

Quant Time: Jul 31 04:36:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 04:32:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	183383	4.995	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	48617	5.006	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	28359	4.988	ug/L	100
47) Tetrachloroethene	8.02	164	42627	5.112	ug/L	100
48) 2-Hexanone	8.19	43	144900	46.229	ug/L	100
49) Dibromochloromethane	8.29	129	37608	5.317	ug/L	100
50) 1,2-Dibromoethane	8.40	107	26979	5.006	ug/L	100
51) Chlorobenzene	8.92	112	121516	5.019	ug/L	100
52) Ethylbenzene	9.05	91	210732	5.018	ug/L	100
53) m,p-xylene	9.18	106	80332	5.043	ug/L	100
54) o-xylene	9.59	106	77293	5.081	ug/L	100
55) Styrene	9.60	104	132392	5.185	ug/L	100
56) Isopropylbenzene	9.97	105	214469	5.063	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	31344	5.062	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	23210	4.880	ug/L	100
61) Bromoform	9.77	173	20329	5.066	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	106785	4.980	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	107700	4.882	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	96258	4.909	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	5668	4.905	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	87932	4.891	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	69718	4.815	ug/L	100
69) Naphthalene	13.55	128	95184	4.453	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	63238	4.841	ug/L	100

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

Data File : VV012076.D

Acq On : 30 Jul 2019 18:03

Operator : SY/MD

Sample : VSTD00535

Misc : 25ML/MSVOA V/WATER

```
ALS Vial      : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

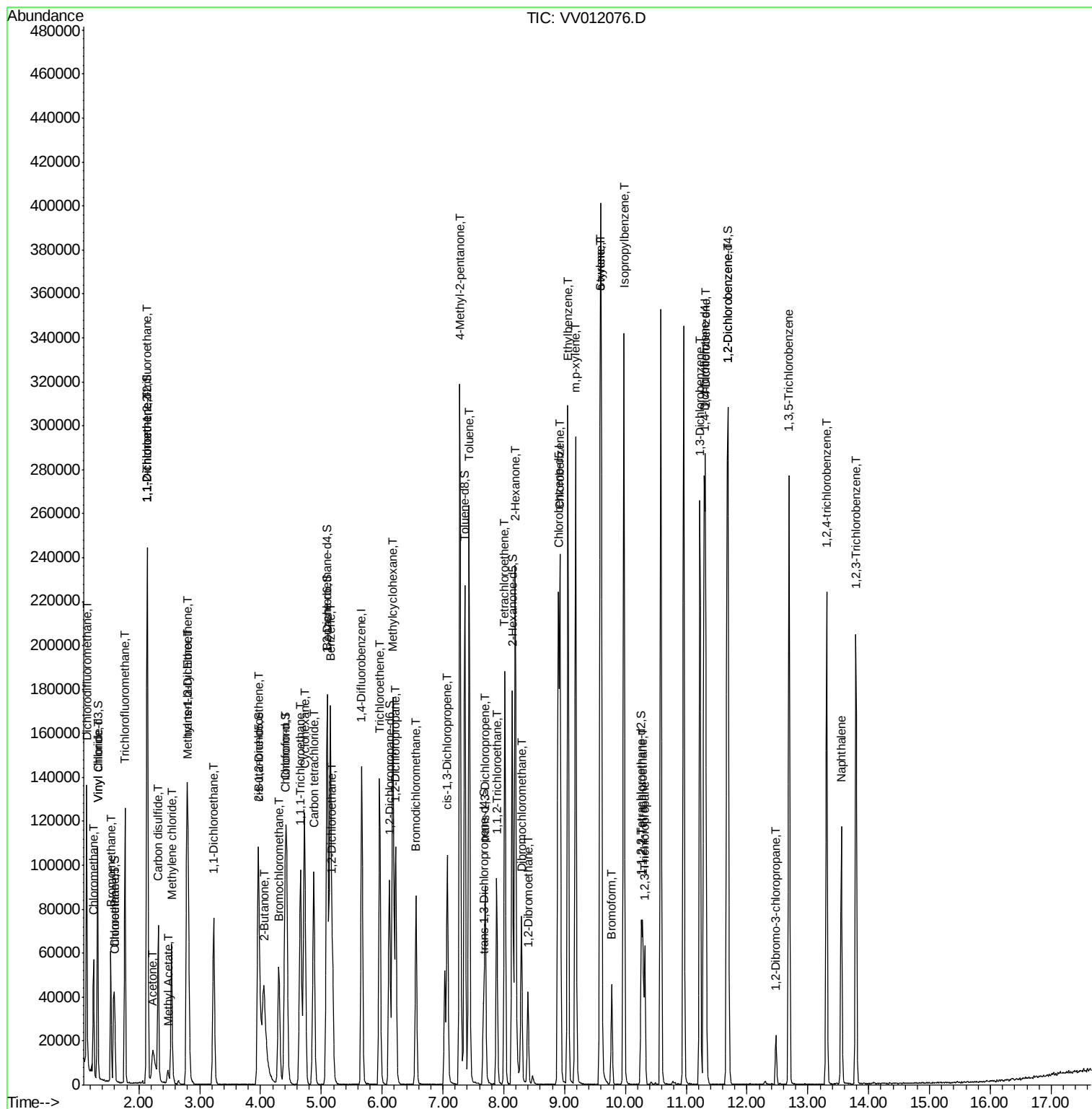
Quant Time: Jul 31 04:36:12 2019

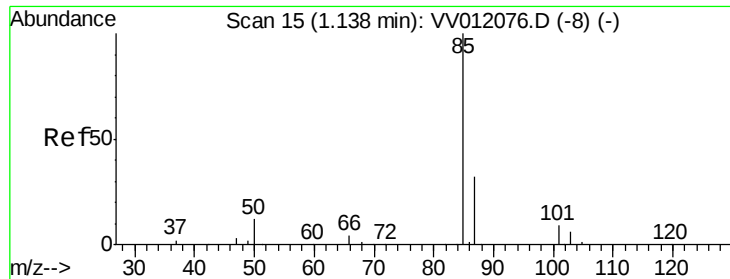
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR073119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Jul 31 04:32:49 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.525 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012076.D

Acq: 30 Jul 2019 18:03

Instrument :

MSVOA_V

ClientSampleId :

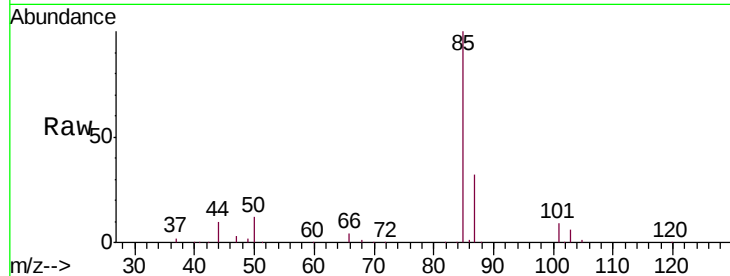
VSTD00535

Tgt Ion: 85 Resp: 69293

Ion Ratio Lower Upper

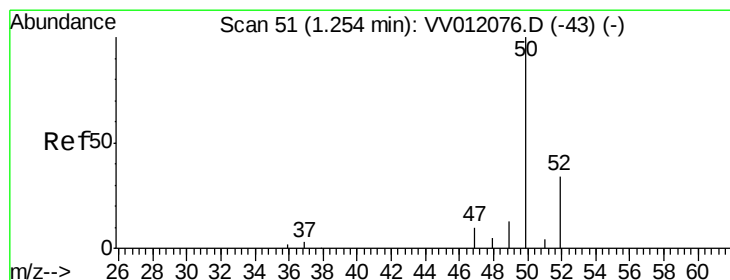
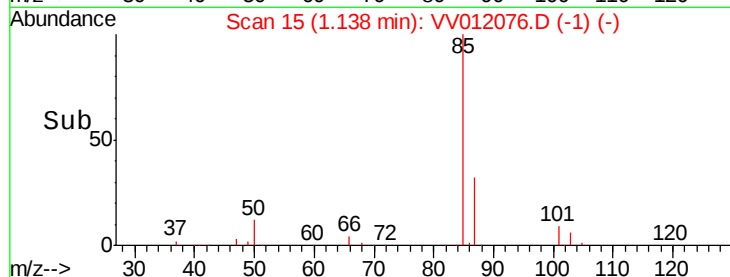
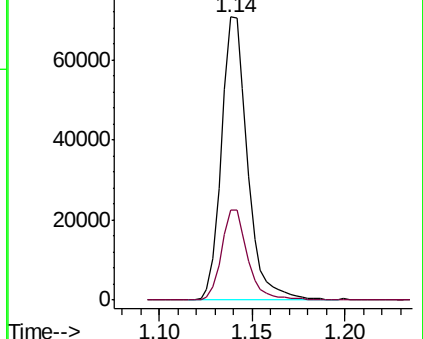
85 100

87 32.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV012076.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012076.D (-8) (-)



#3

Chloromethane

Concen: 4.668 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012076.D

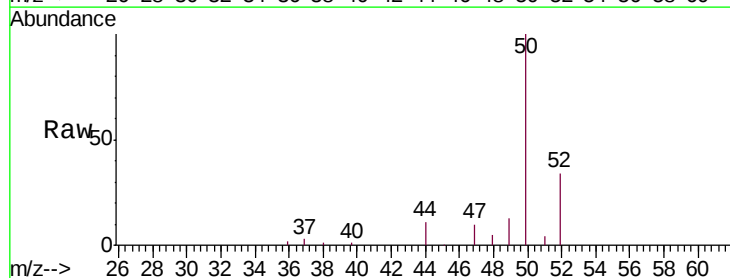
Acq: 30 Jul 2019 18:03

Tgt Ion: 50 Resp: 32567

Ion Ratio Lower Upper

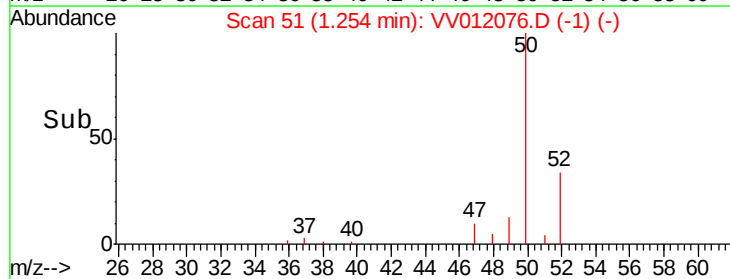
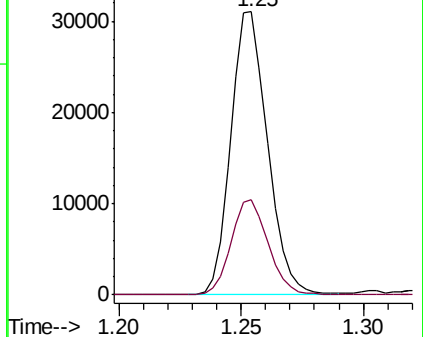
50 100

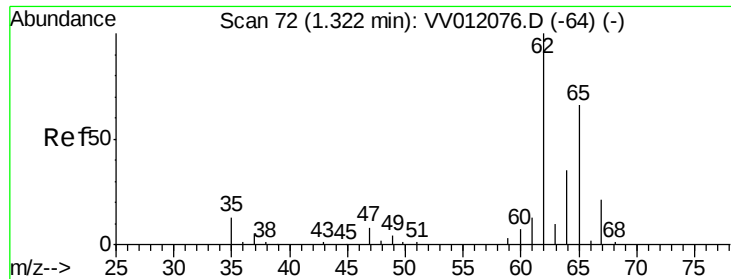
52 33.8 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV012076.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV012076.D (-43) (-)





#5

Vinyl chloride

Concen: 4.884 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012076.D

Acq: 30 Jul 2019 18:03

Instrument :

MSVOA_V

ClientSampleId :

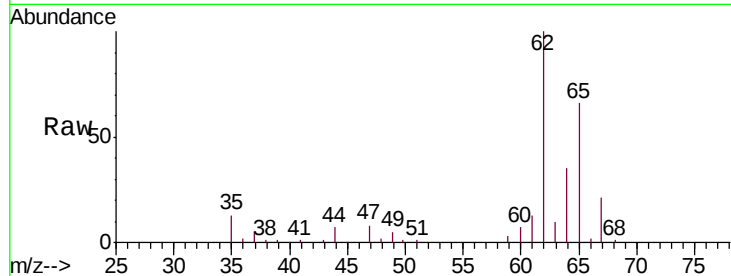
VSTD00535

Tgt Ion: 62 Resp: 35185

Ion Ratio Lower Upper

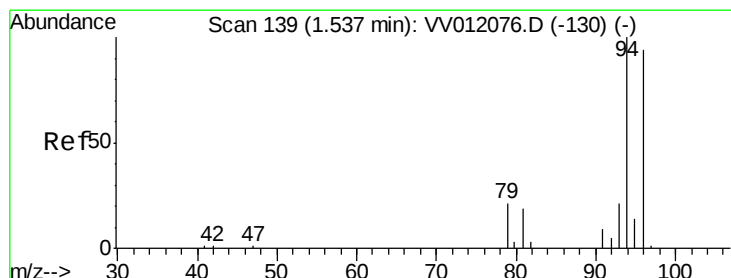
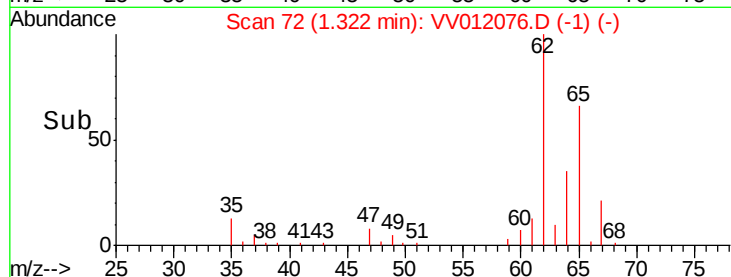
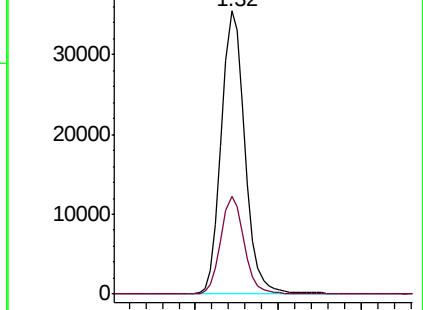
62 100

64 34.7 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV012076.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV012076.D (-64) (-)



#6

Bromomethane

Concen: 5.369 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012076.D

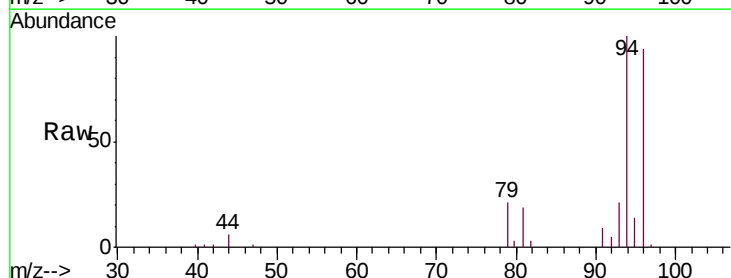
Acq: 30 Jul 2019 18:03

Tgt Ion: 94 Resp: 23150

Ion Ratio Lower Upper

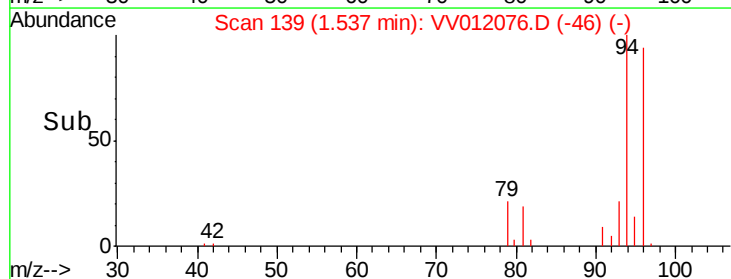
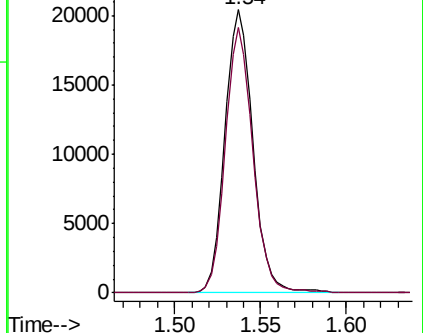
94 100

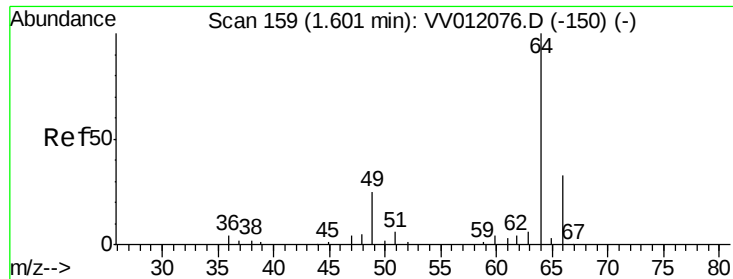
96 93.7 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV012076.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV012076.D (-130) (-)

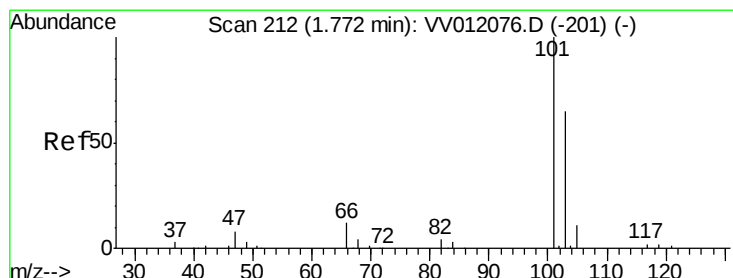
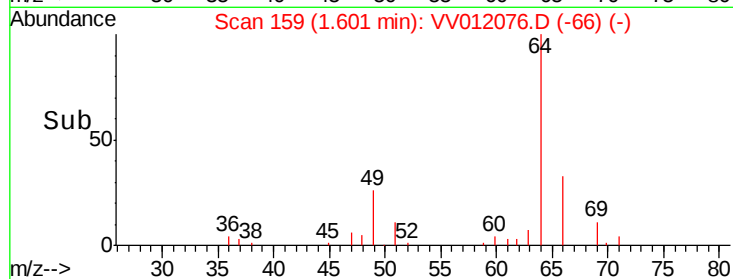
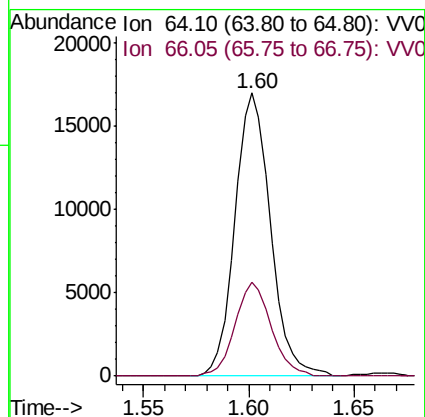
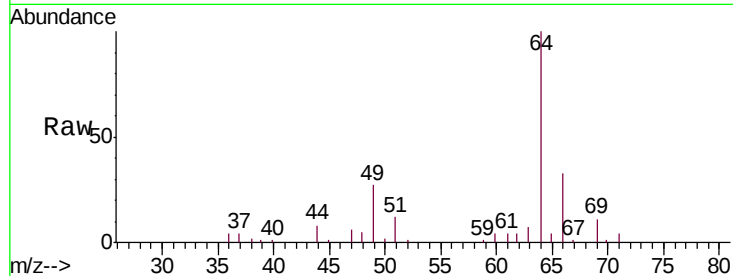




#8
 Chloroethane
 Concen: 4.688 ug/L
 RT: 1.60 min Scan# 159
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

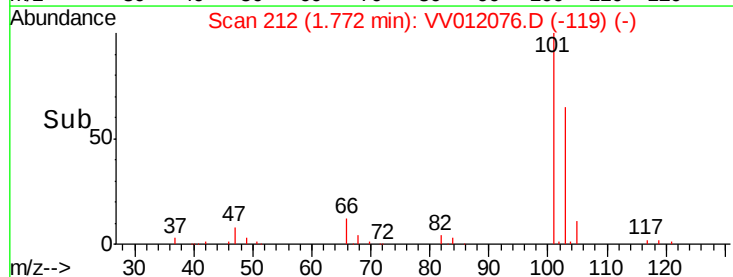
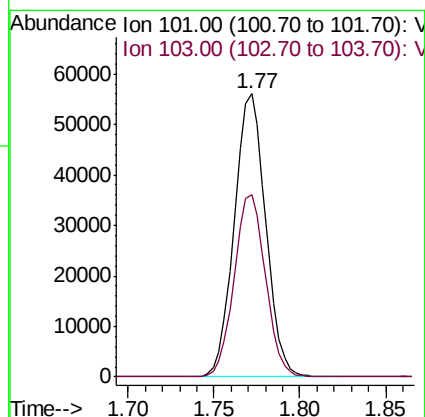
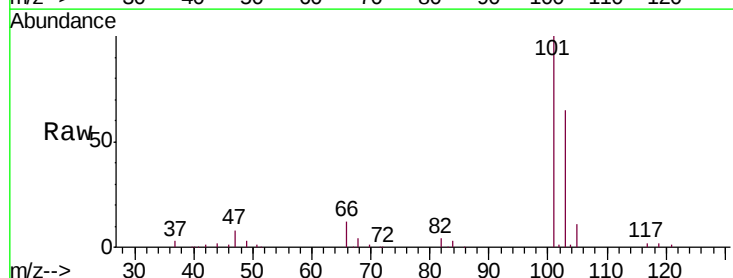
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

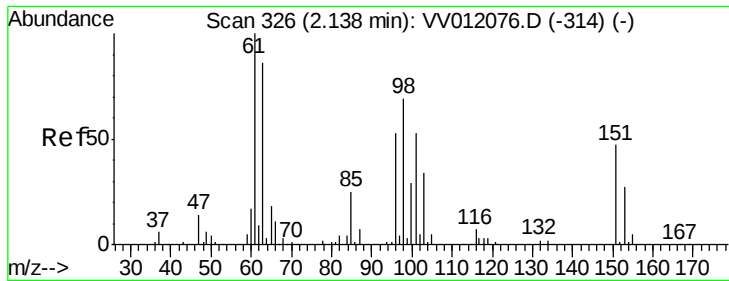
Tgt Ion: 64 Resp: 19886
 Ion Ratio Lower Upper
 64 100
 66 33.0 23.1 42.9



#9
 Trichlorofluoromethane
 Concen: 5.301 ug/L
 RT: 1.77 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

Tgt Ion: 101 Resp: 71695
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.3 76.9





#10

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

Concen: 5.099 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012076.D

Acq: 30 Jul 2019 18:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

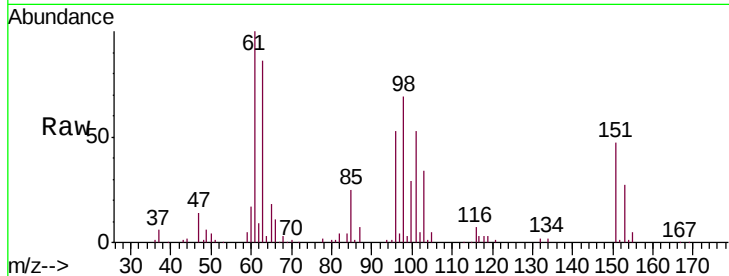
Tgt Ion:101 Resp: 30932

Ion Ratio Lower Upper

101 100

85 46.8 37.4 56.2

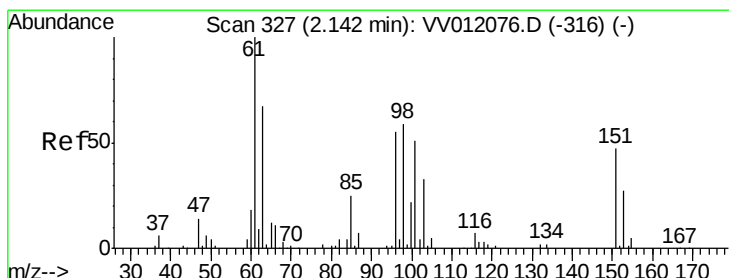
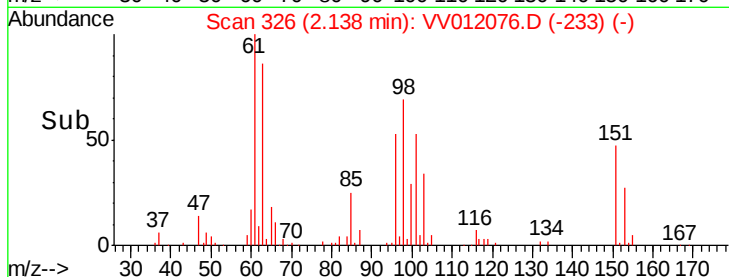
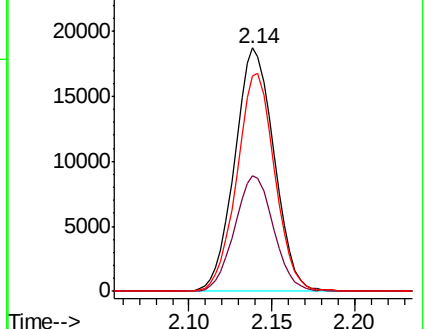
151 86.4 69.1 103.7



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: 5.110 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012076.D

Acq: 30 Jul 2019 18:03

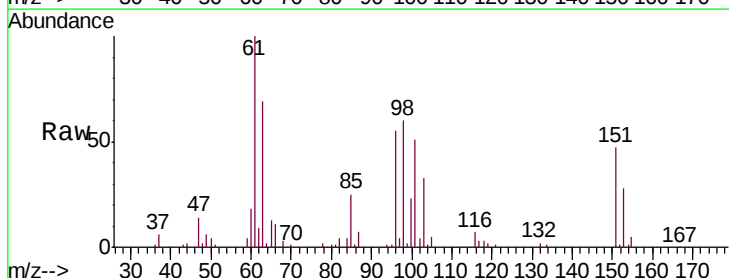
Tgt Ion: 96 Resp: 27681

Ion Ratio Lower Upper

96 100

61 181.3 126.9 235.7

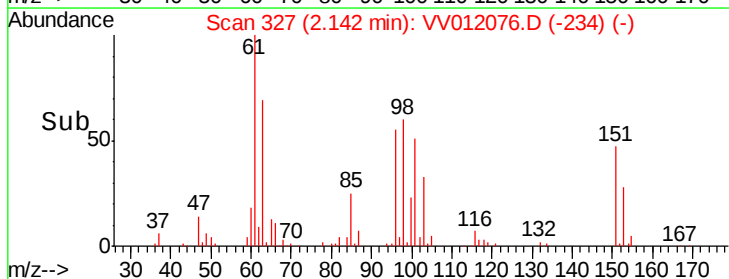
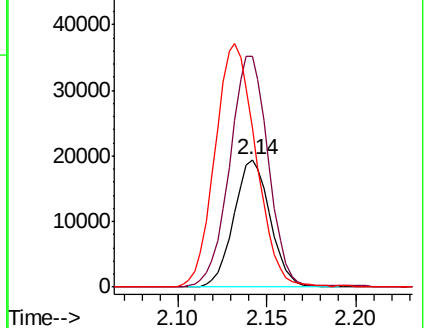
63 125.2 87.6 162.8

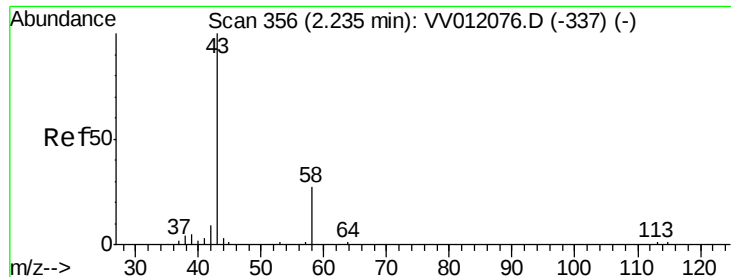


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 44.609 ug/L

RT: 2.23 min Scan# 356

Delta R.T. 0.00 min

Lab File: VV012076.D

Acq: 30 Jul 2019 18:03

Instrument :

MSVOA_V

ClientSampleId :

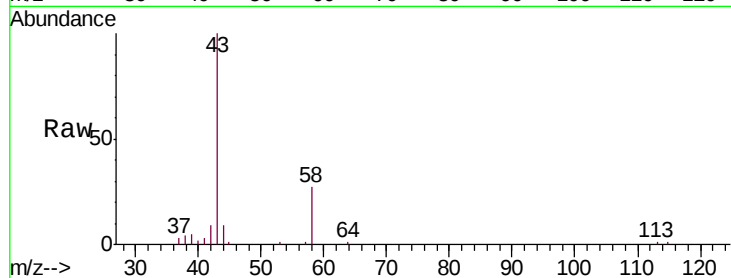
VSTD00535

Tgt Ion: 43 Resp: 42245

Ion Ratio Lower Upper

43 100

58 25.5 0.0 51.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.23

10000

8000

6000

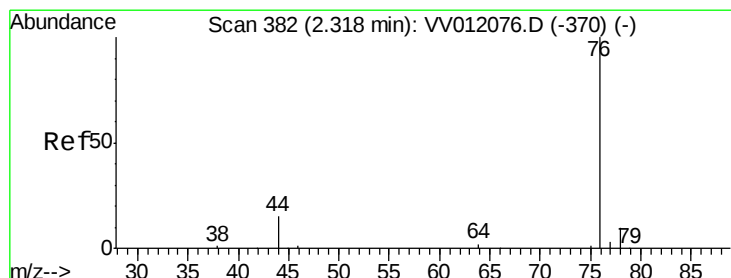
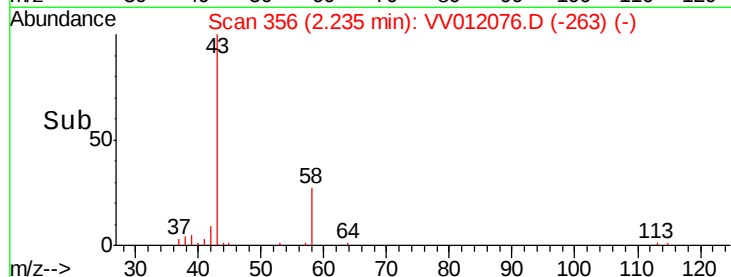
4000

2000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 4.898 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012076.D

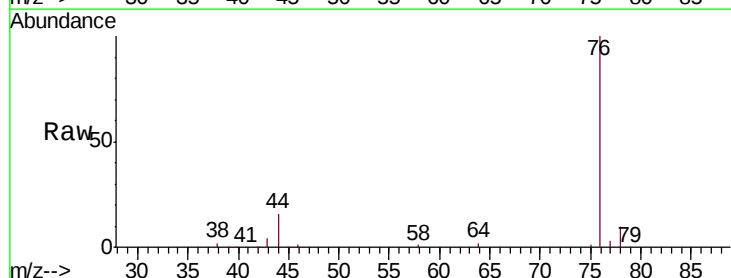
Acq: 30 Jul 2019 18:03

Tgt Ion: 76 Resp: 75075

Ion Ratio Lower Upper

76 100

78 9.9 7.9 11.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

60000

50000

40000

30000

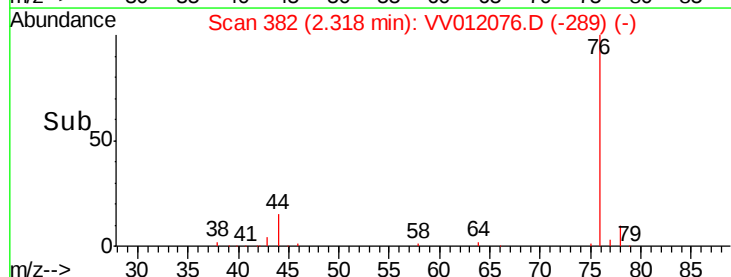
20000

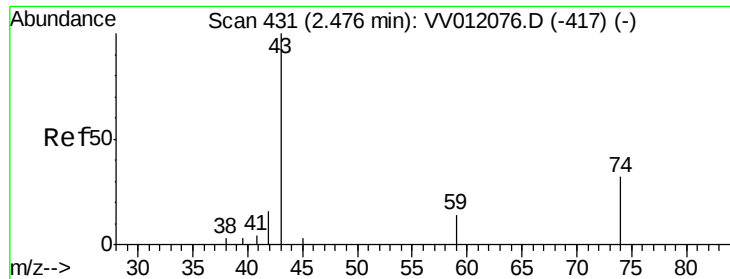
10000

0

Time-->

2.25 2.30 2.35

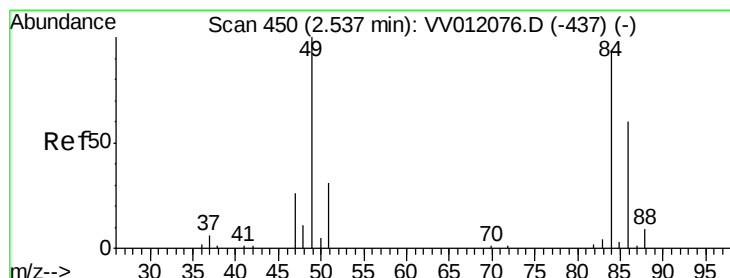
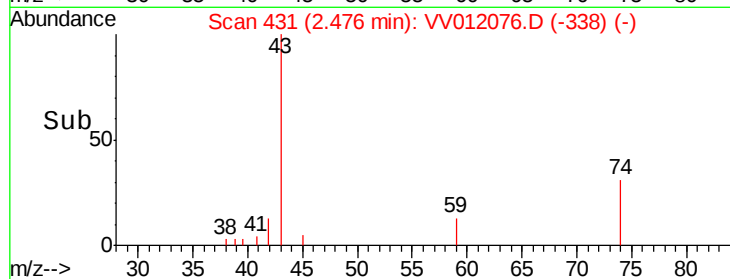
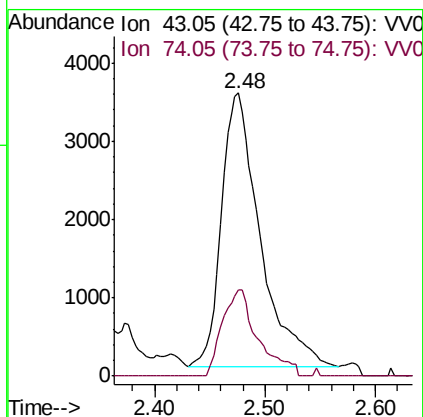
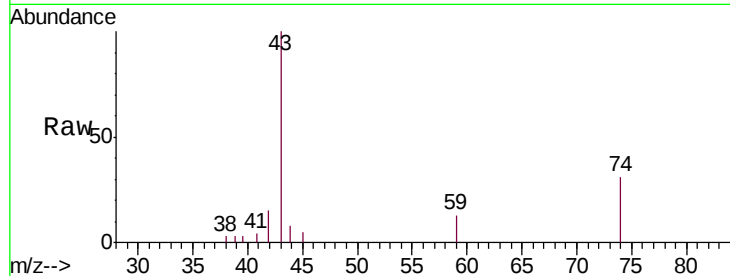




#15
Methyl Acetate
Concen: 4.033 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV012076.D
Acq: 30 Jul 2019 18:03

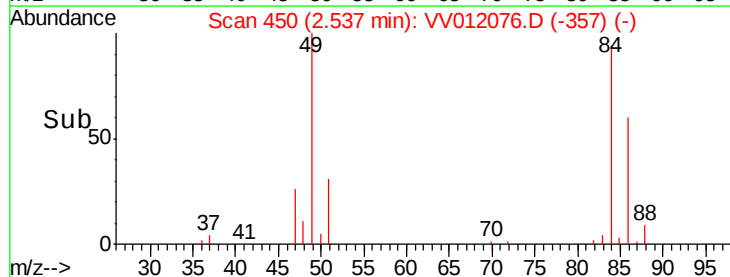
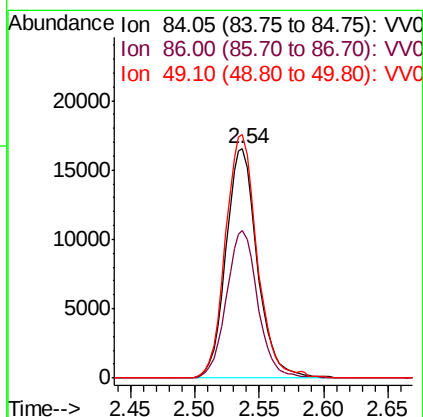
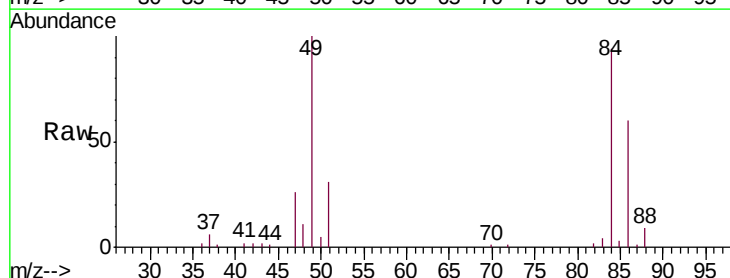
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

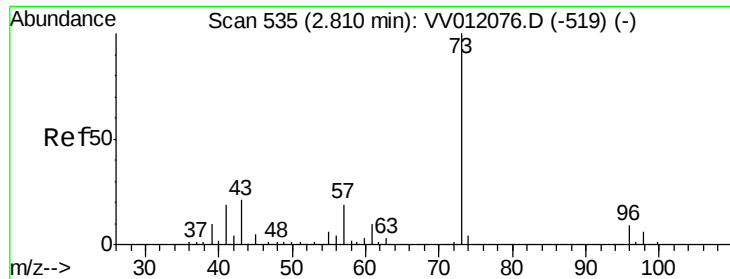
Tgt Ion: 43 Resp: 8450
Ion Ratio Lower Upper
43 100
74 29.2 23.4 35.0



#16
Methylene chloride
Concen: 4.585 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012076.D
Acq: 30 Jul 2019 18:03

Tgt Ion: 84 Resp: 28004
Ion Ratio Lower Upper
84 100
86 64.3 45.0 83.6
49 106.3 74.4 138.2

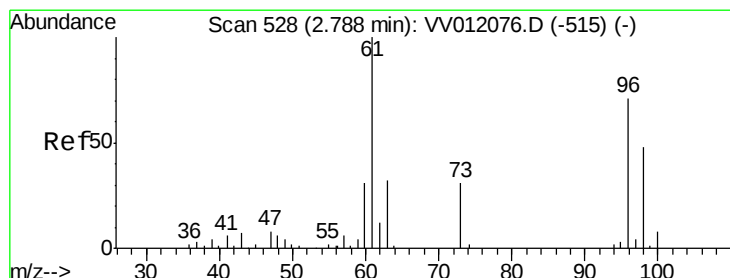
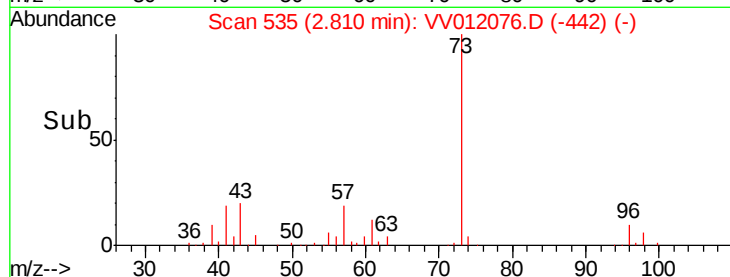
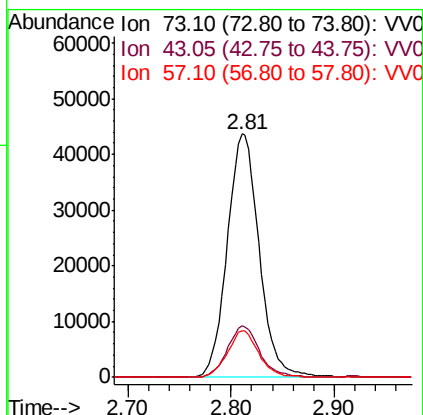
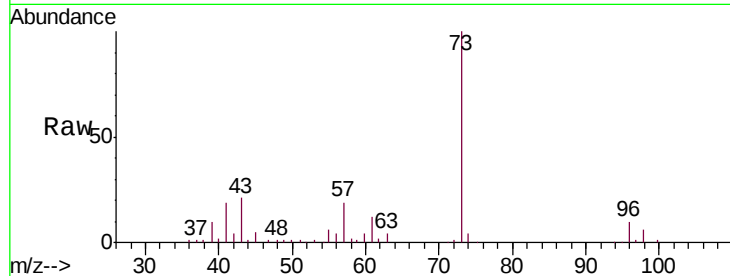




#17
Methyl tert-butyl Ether
Concen: 5.119 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV012076.D
Acq: 30 Jul 2019 18:03

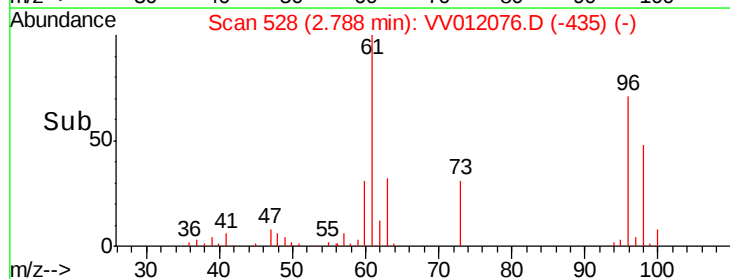
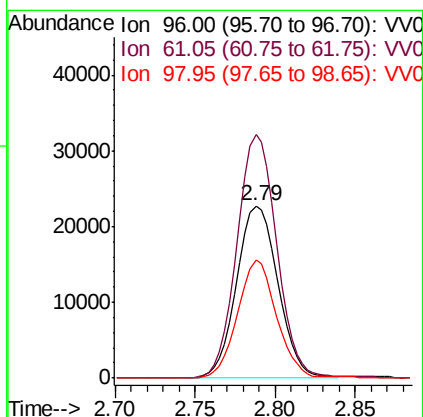
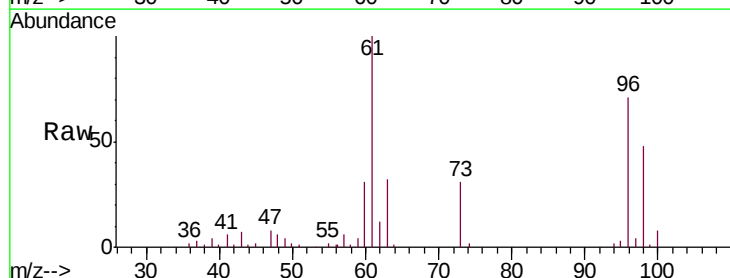
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

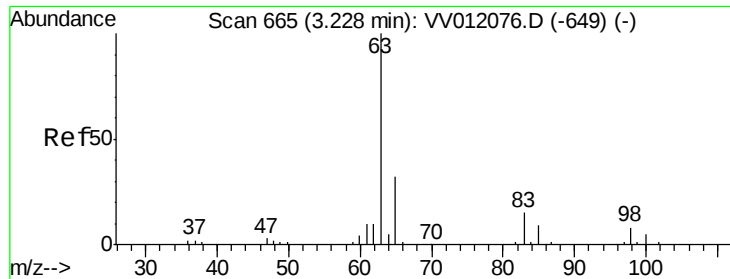
Tgt Ion: 73 Resp: 94191
Ion Ratio Lower Upper
73 100
43 21.5 17.2 25.8
57 18.9 15.1 22.7



#18
trans-1,2-Dichloroethene
Concen: 4.823 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012076.D
Acq: 30 Jul 2019 18:03

Tgt Ion: 96 Resp: 40231
Ion Ratio Lower Upper
96 100
61 141.5 99.0 184.0
98 68.4 47.9 88.9

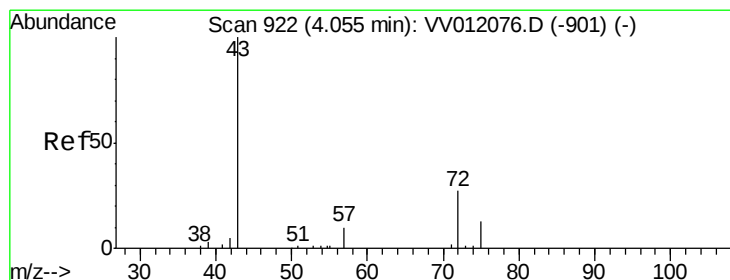
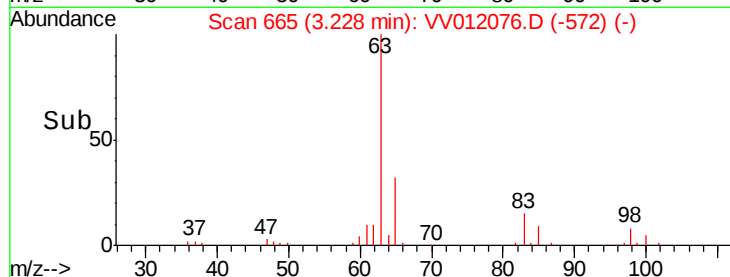
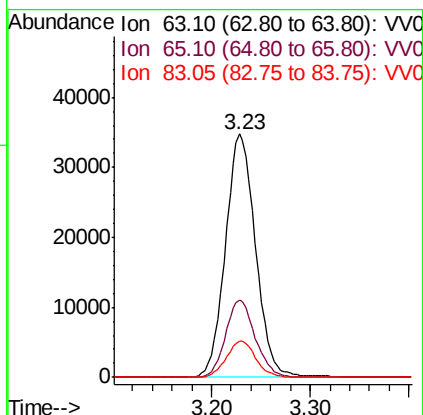
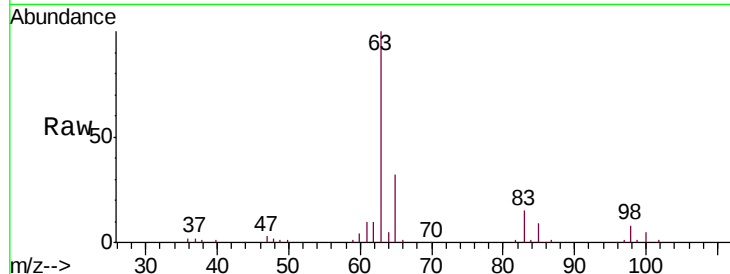




#19
 1,1-Dichloroethane
 Concen: 5.017 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

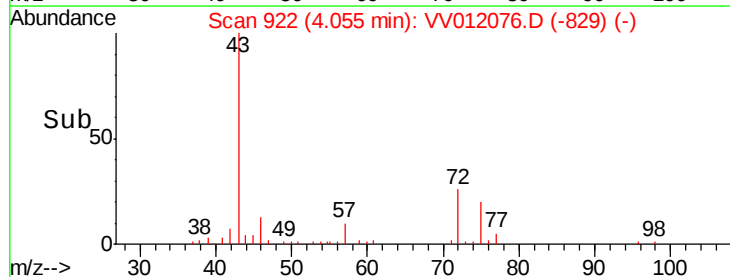
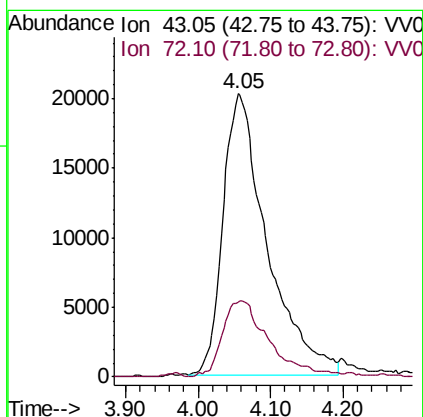
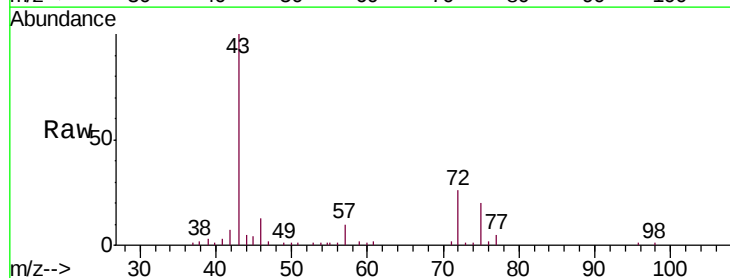
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

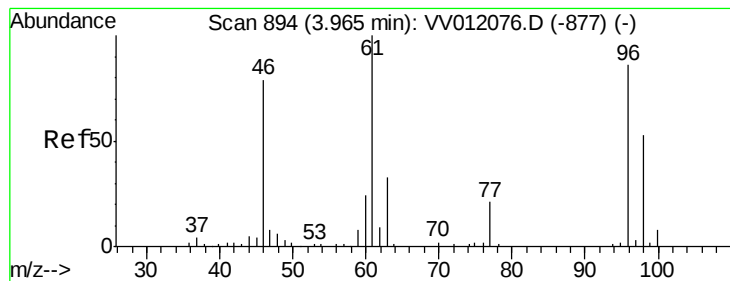
Tgt Ion: 63 Resp: 74039
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.3
 83 14.8 10.4 19.2



#21
 2-Butanone
 Concen: 46.986 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

Tgt Ion: 43 Resp: 85070
 Ion Ratio Lower Upper
 43 100
 72 28.0 14.0 42.0





#22

cis-1,2-Dichloroethene

Concen: 4.957 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV012076.D

Acq: 30 Jul 2019 18:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

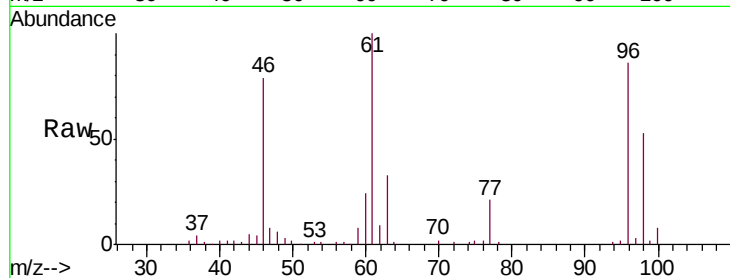
Tgt Ion: 96 Resp: 44585

Ion Ratio Lower Upper

96 100

61 116.5 81.5 151.5

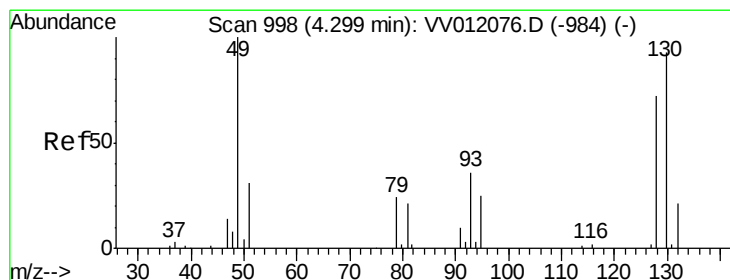
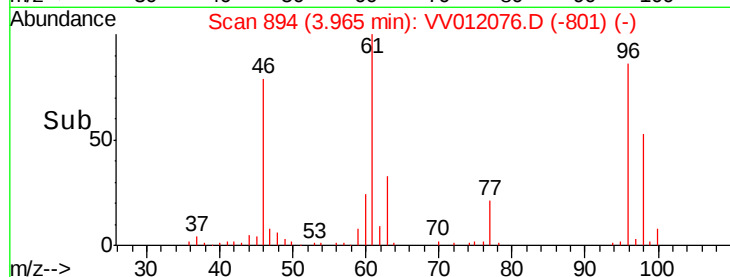
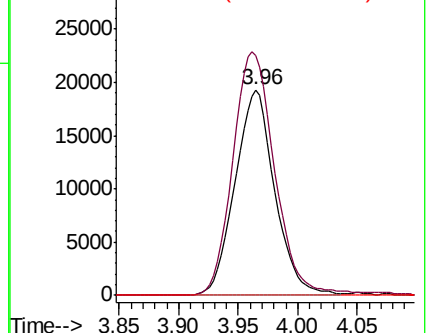
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV012076.D (-877) (-)

Ion 61.05 (60.75 to 61.75): VV012076.D (-877) (-)

Ion 68.15 (67.85 to 68.85): VV012076.D (-877) (-)



#23

Bromochloromethane

Concen: 5.342 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV012076.D

Acq: 30 Jul 2019 18:03

Tgt Ion: 128 Resp: 19998

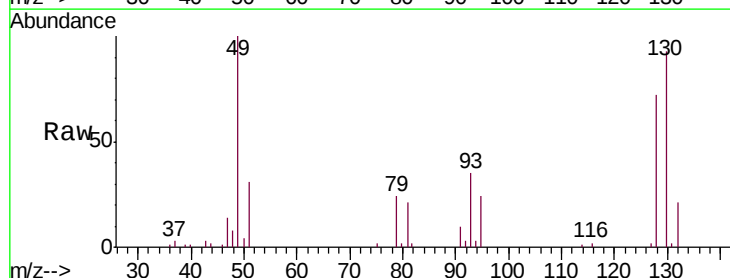
Ion Ratio Lower Upper

128 100

49 139.8 97.9 181.7

130 129.9 90.9 168.9

51 43.2 34.6 51.8

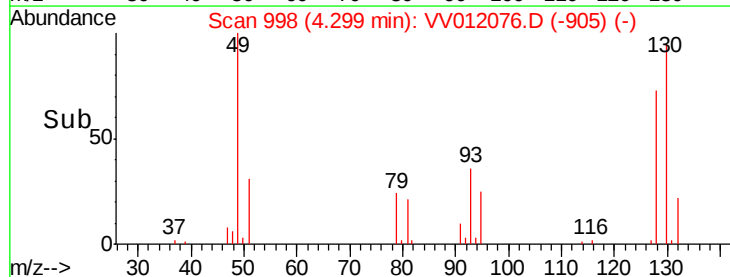
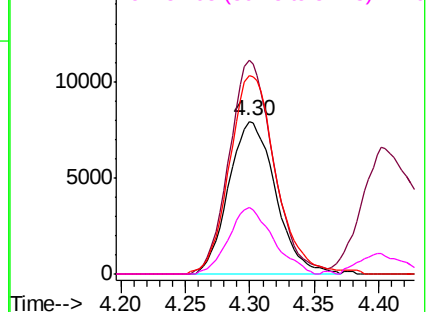


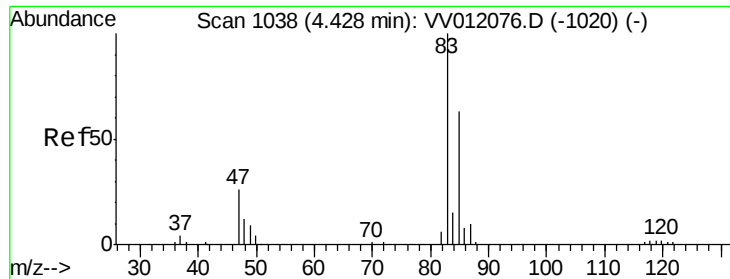
Abundance Ion 127.90 (127.60 to 128.60): VV012076.D (-984) (-)

Ion 49.10 (48.80 to 49.80): VV012076.D (-984) (-)

Ion 129.95 (129.65 to 130.65): VV012076.D (-984) (-)

Ion 51.05 (50.75 to 51.75): VV012076.D (-984) (-)

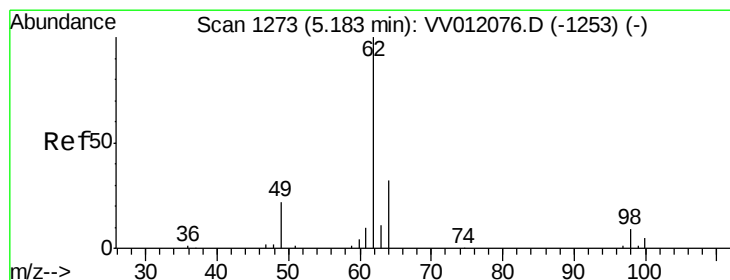
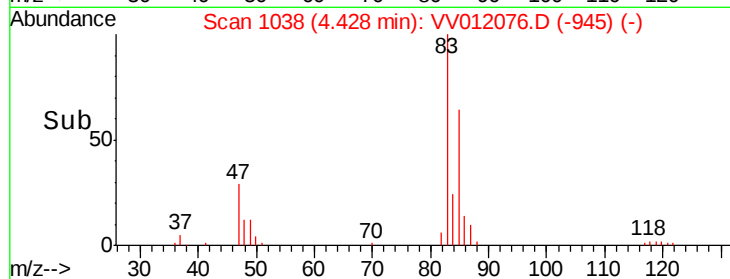
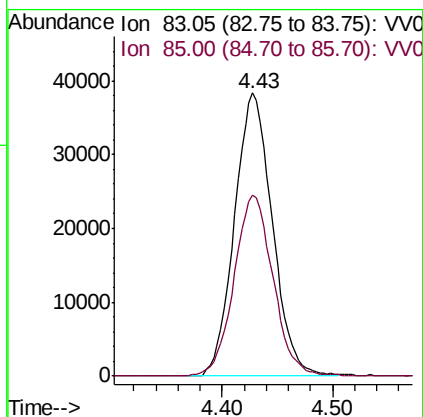
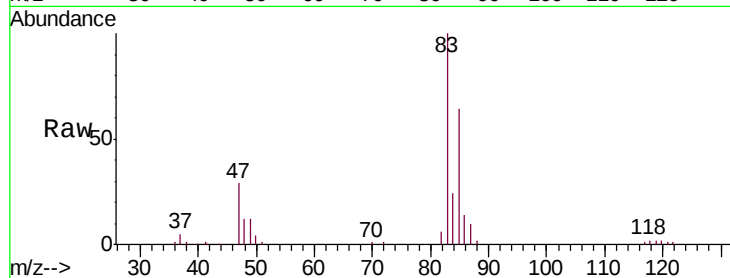




#25
Chloroform
Concen: 5.018 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012076.D
Acq: 30 Jul 2019 18:03

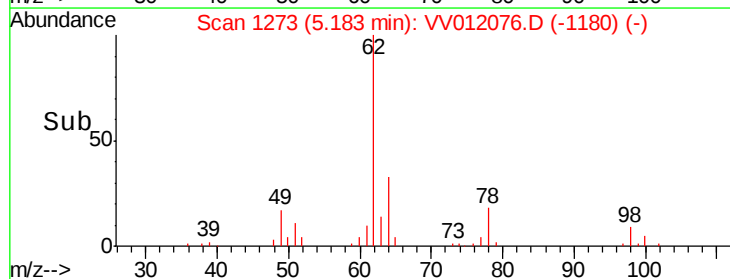
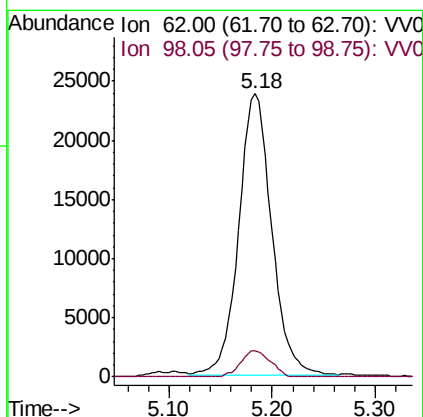
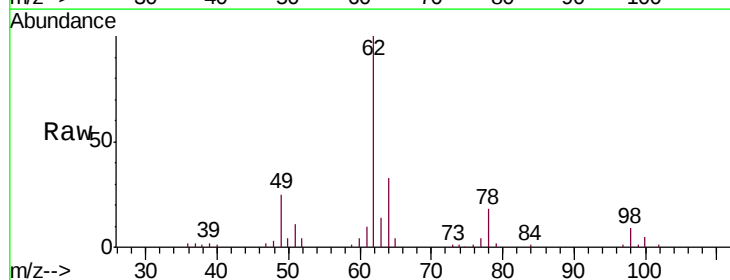
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

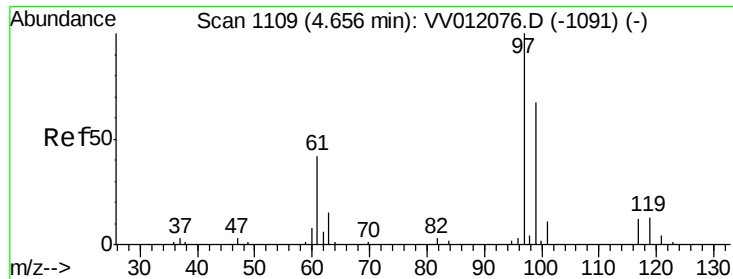
Tgt Ion: 83 Resp: 91044
Ion Ratio Lower Upper
83 100
85 63.9 44.7 83.1



#27
1,2-Dichloroethane
Concen: 5.218 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012076.D
Acq: 30 Jul 2019 18:03

Tgt Ion: 62 Resp: 52471
Ion Ratio Lower Upper
62 100
98 9.1 7.3 10.9

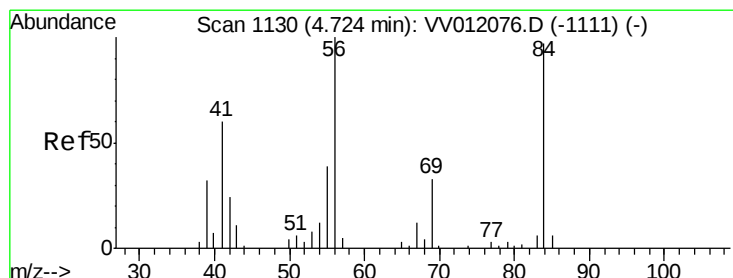
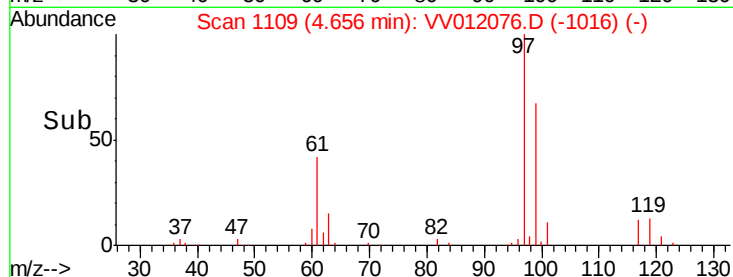
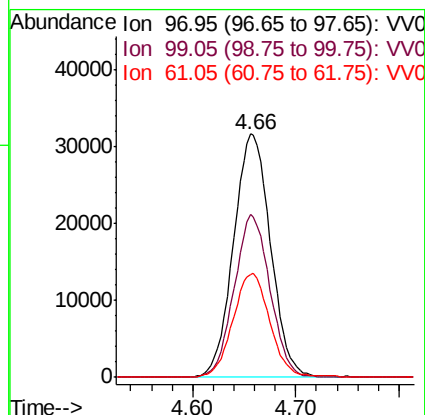
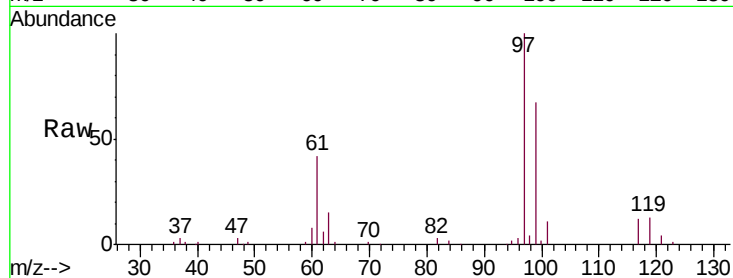




#29
 1,1,1-Trichloroethane
 Concen: 5.217 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

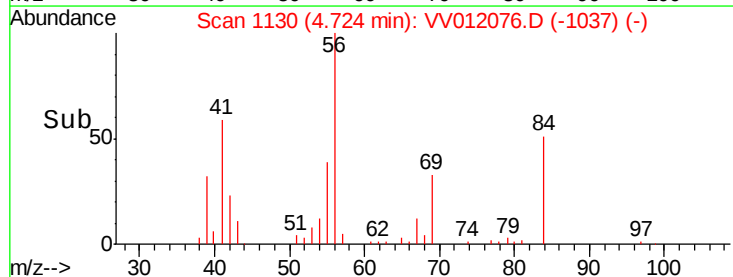
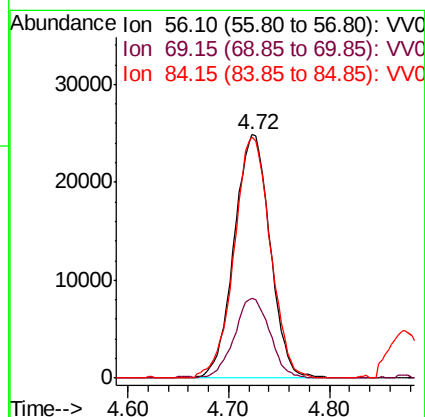
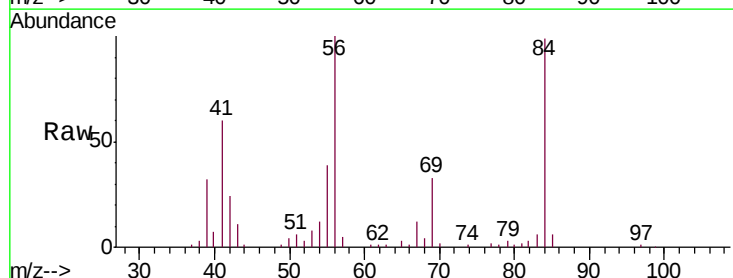
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

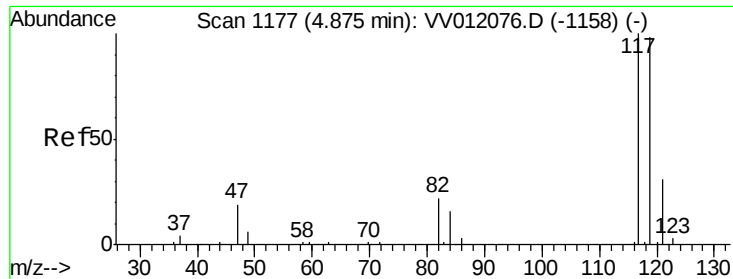
Tgt Ion: 97 Resp: 78929
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 42.7 34.2 51.2



#30
 Cyclohexane
 Concen: 4.429 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

Tgt Ion: 56 Resp: 61342
 Ion Ratio Lower Upper
 56 100
 69 32.5 26.0 39.0
 84 99.9 79.9 119.9

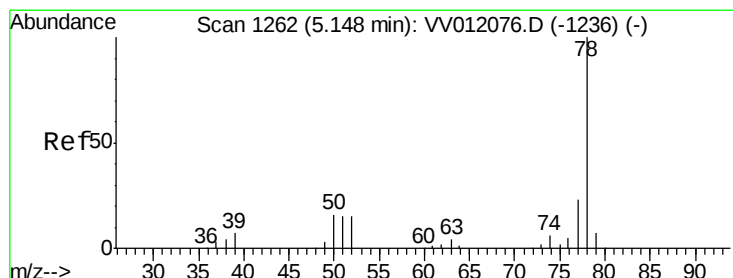
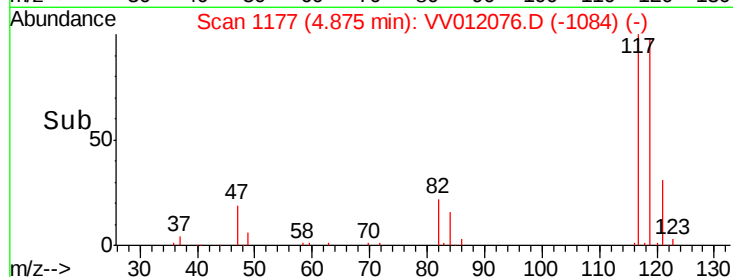
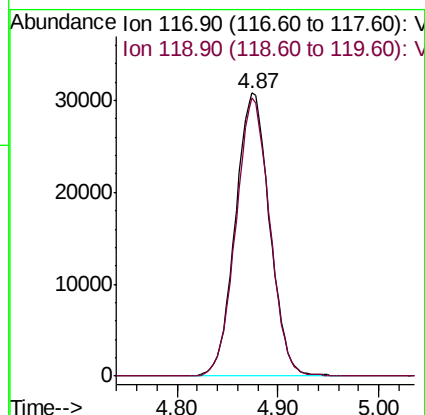
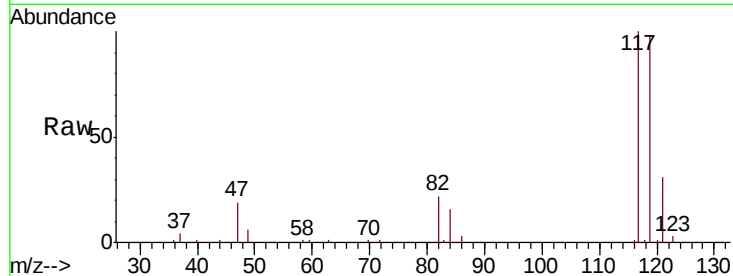




#31
Carbon tetrachloride
Concen: 5.301 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012076.D
Acq: 30 Jul 2019 18:03

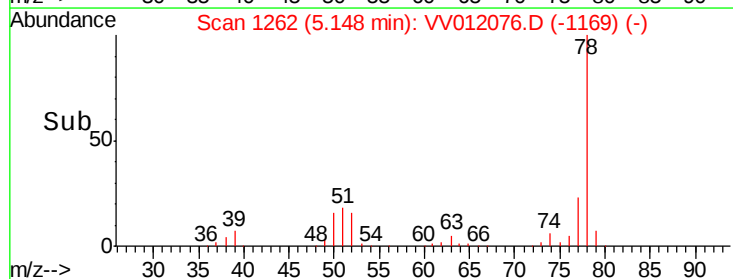
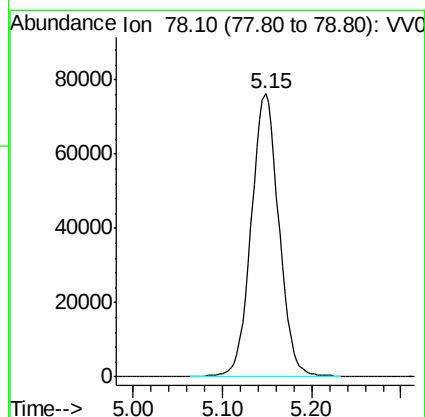
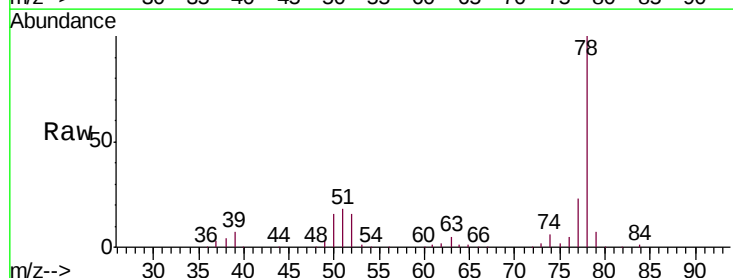
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

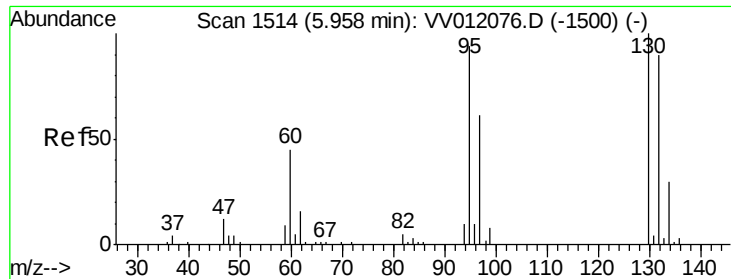
Tgt Ion:117 Resp: 72436
Ion Ratio Lower Upper
117 100
119 97.1 77.7 116.5



#33
Benzene
Concen: 4.851 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV012076.D
Acq: 30 Jul 2019 18:03

Tgt Ion: 78 Resp: 165535

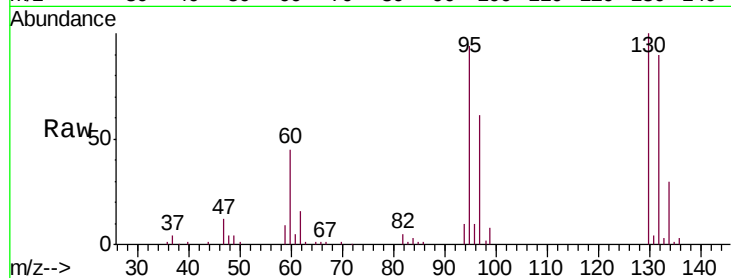




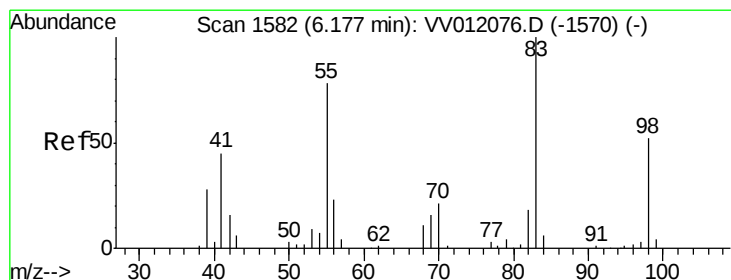
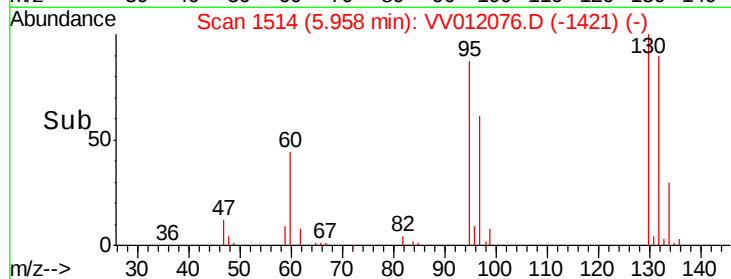
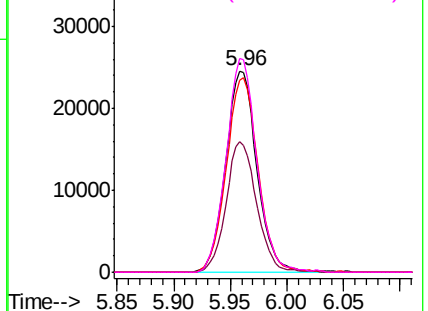
#34
 Trichloroethene
 Concen: 4.945 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

Tgt Ion: 95 Resp: 47264
 Ion Ratio Lower Upper
 95 100
 97 64.8 45.4 84.2
 132 95.7 67.0 124.4
 130 106.1 74.3 137.9

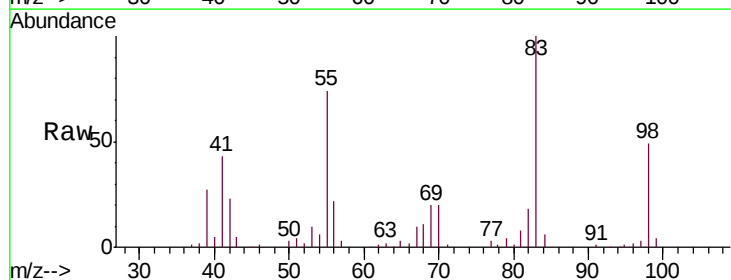


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

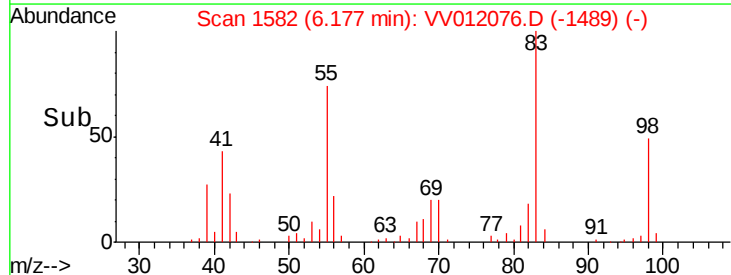
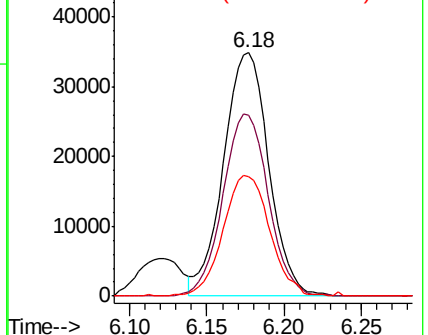


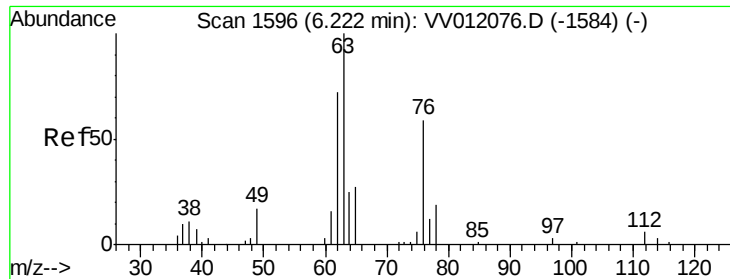
#35
 Methylcyclohexane
 Concen: 4.805 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

Tgt Ion: 83 Resp: 71072
 Ion Ratio Lower Upper
 83 100
 55 74.9 59.9 89.9
 98 51.0 40.8 61.2



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

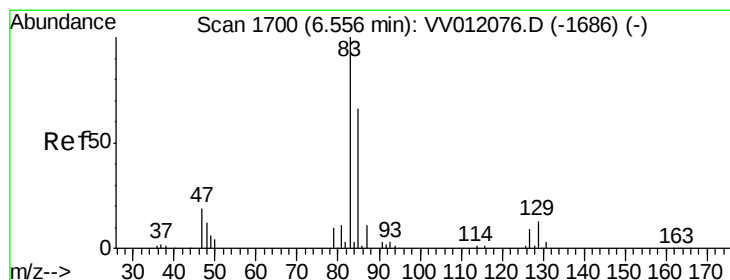
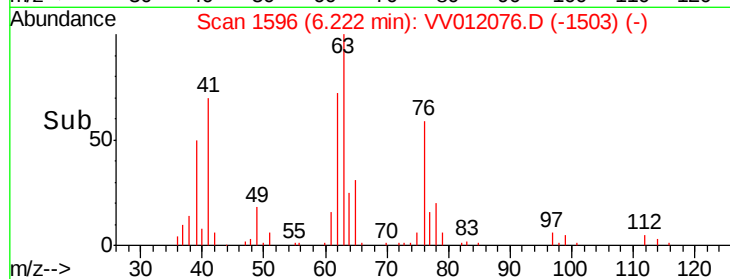
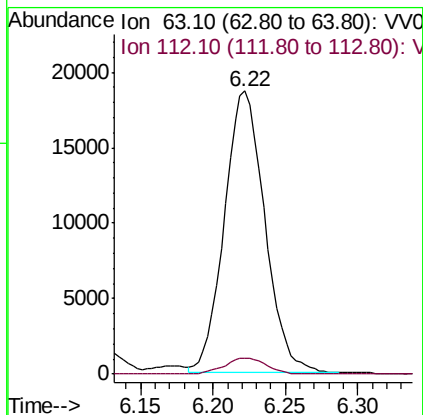
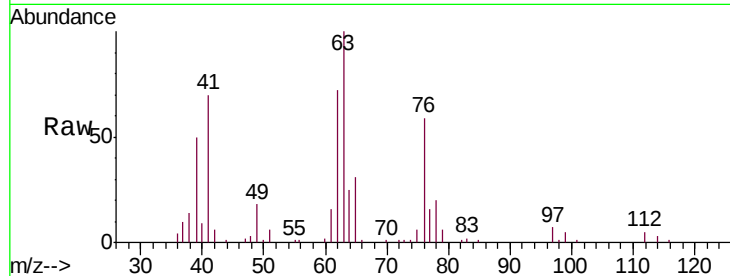




#37
 1,2-Dichloropropane
 Concen: 4.425 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

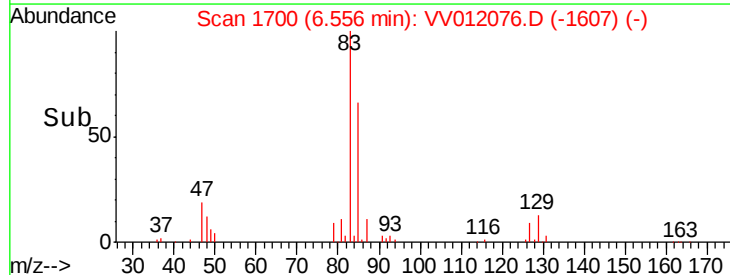
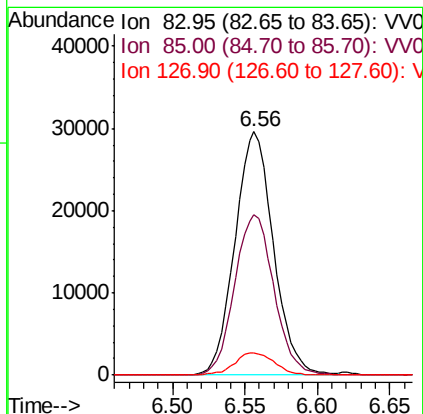
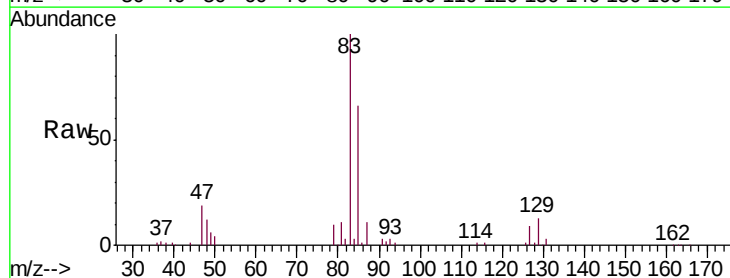
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

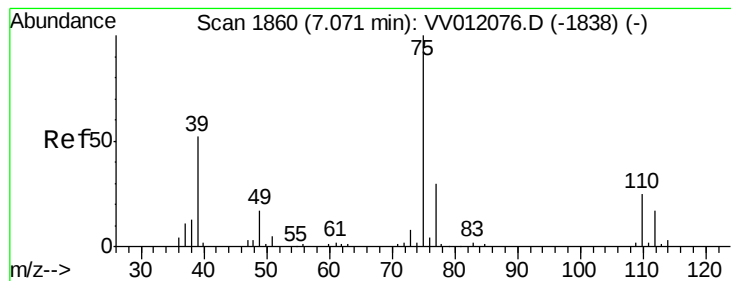
Tgt Ion: 63 Resp: 35978
 Ion Ratio Lower Upper
 63 100
 112 5.9 4.7 7.1



#38
 Bromodichloromethane
 Concen: 4.951 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

Tgt Ion: 83 Resp: 54693
 Ion Ratio Lower Upper
 83 100
 85 66.0 46.2 85.8
 127 9.0 7.2 10.8



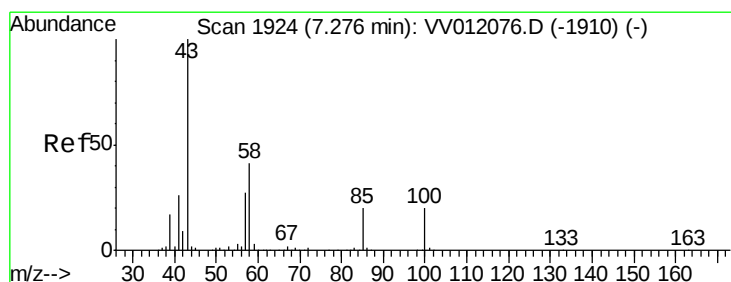
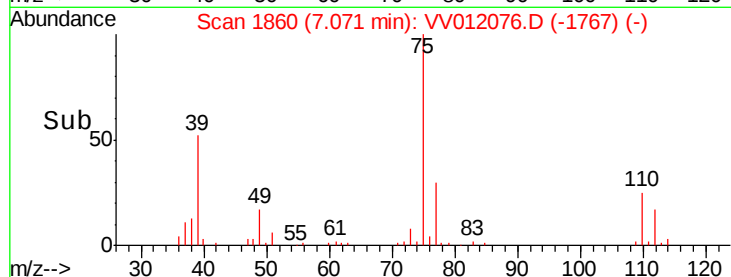
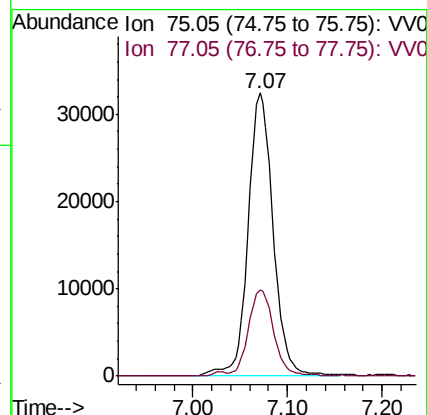
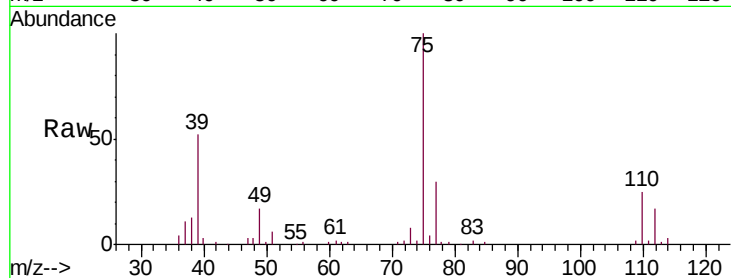


#39

cis-1,3-Dichloropropene
 Concen: 4.913 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

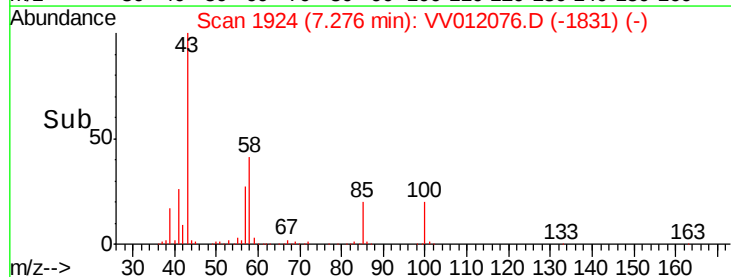
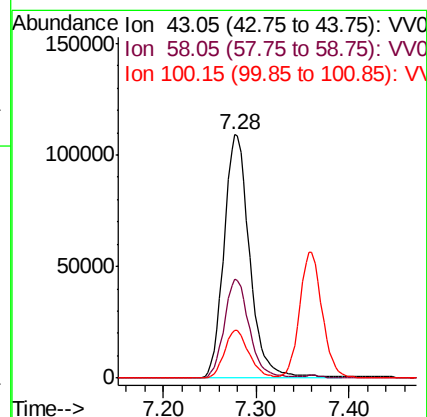
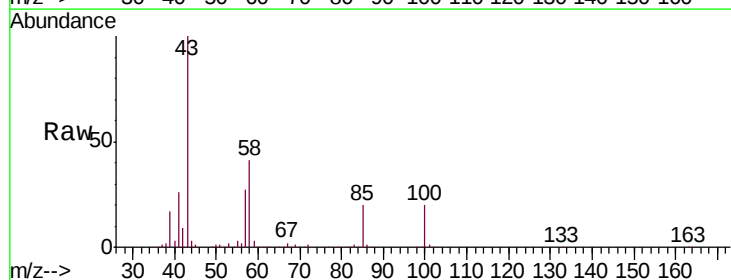
Tgt Ion: 75 Resp: 59808
 Ion Ratio Lower Upper
 75 100
 77 30.4 21.3 39.5

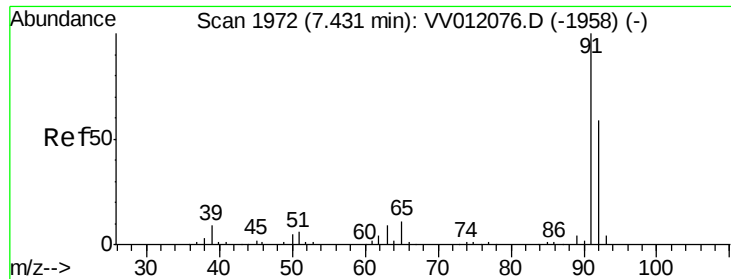


#40

4-Methyl-2-pentanone
 Concen: 46.650 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

Tgt Ion: 43 Resp: 209853
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.8 47.6
 100 18.7 15.0 22.4





#42

Toluene

Concen: 4.995 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012076.D

Acq: 30 Jul 2019 18:03

Instrument :

MSVOA_V

ClientSampleId :

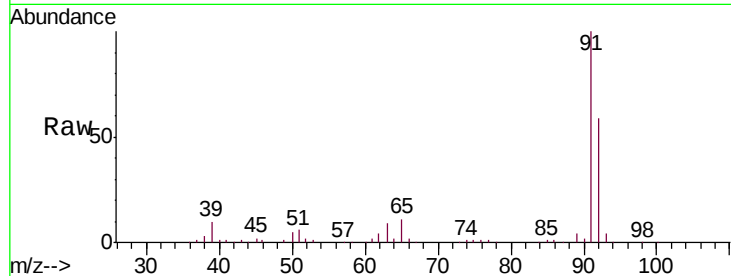
VSTD00535

Tgt Ion: 91 Resp: 183383

Ion Ratio Lower Upper

91 100

92 59.4 41.6 77.2



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

120000

100000

80000

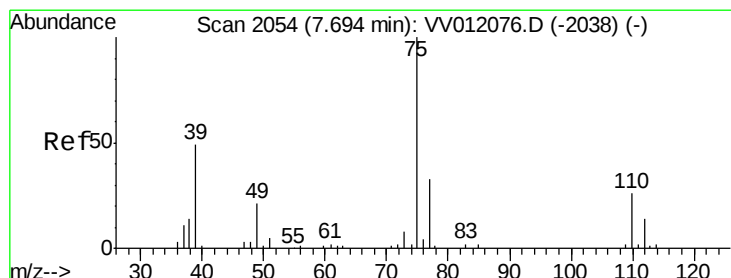
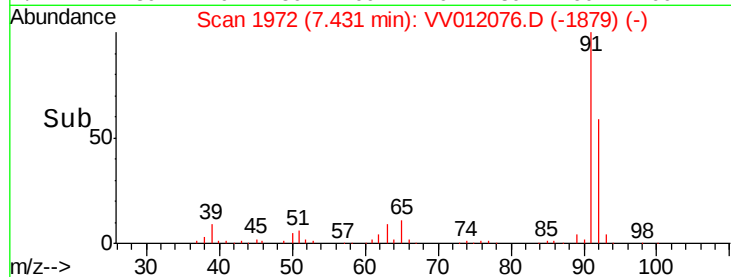
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.006 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012076.D

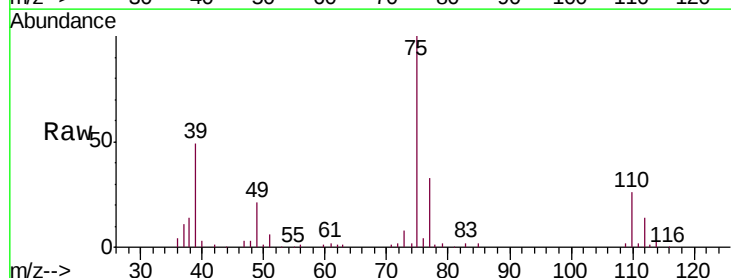
Acq: 30 Jul 2019 18:03

Tgt Ion: 75 Resp: 48617

Ion Ratio Lower Upper

75 100

77 32.6 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

30000

25000

20000

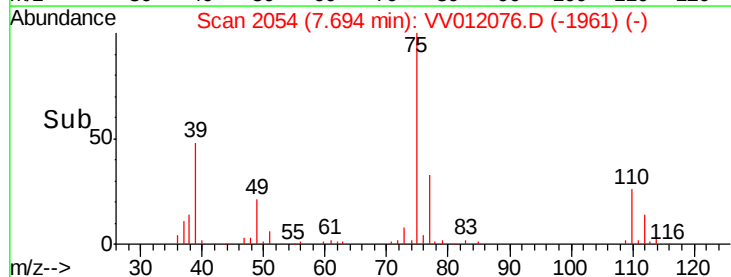
15000

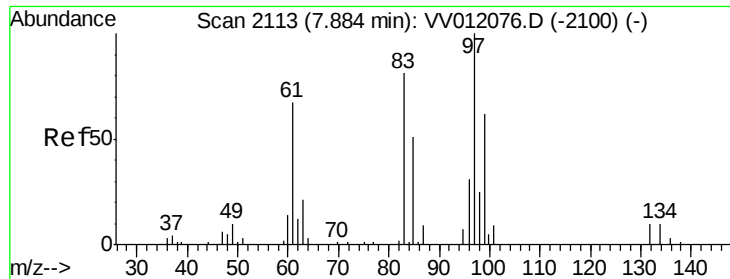
10000

5000

0

Time-->

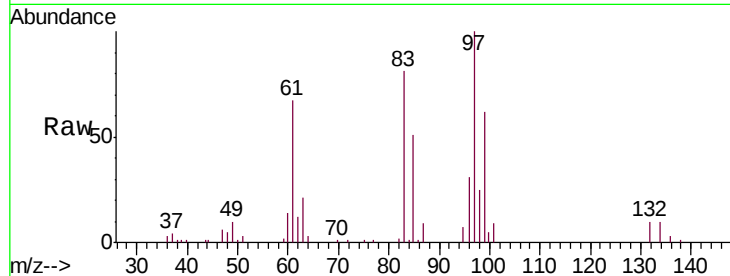




#45
 1,1,2-Trichloroethane
 Concen: 4.988 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

Tgt Ion:	97	Resp:	28359
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.3	80.3
83	80.8	56.6	105.0
85	51.2	35.8	66.6



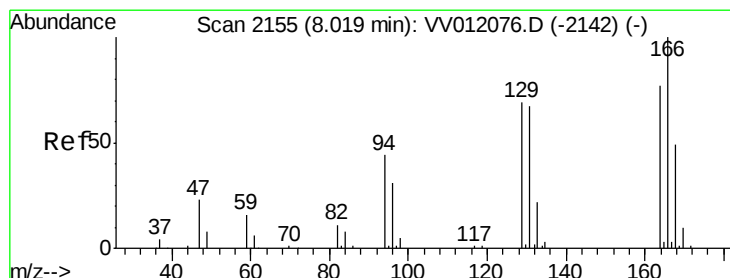
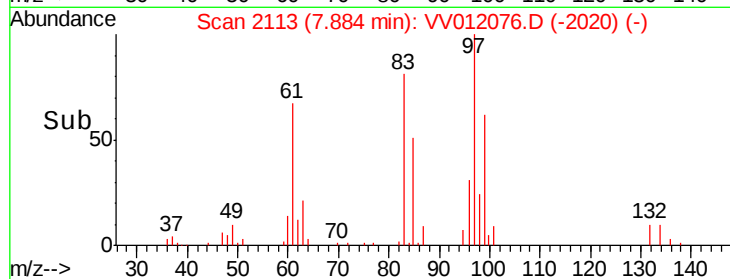
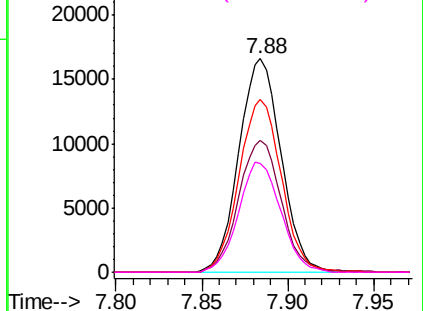
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

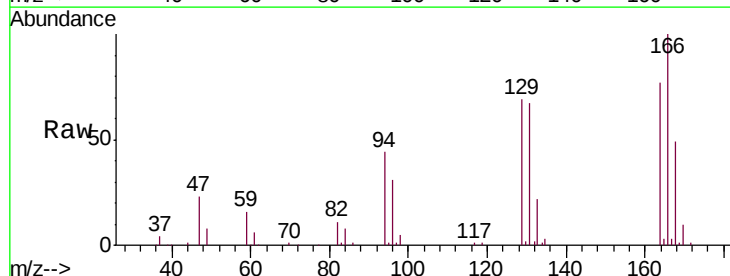
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.112 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

Tgt Ion:	164	Resp:	42627
Ion	Ratio	Lower	Upper
164	100		
129	89.3	62.5	116.1
131	87.0	60.9	113.1
166	129.2	90.4	168.0



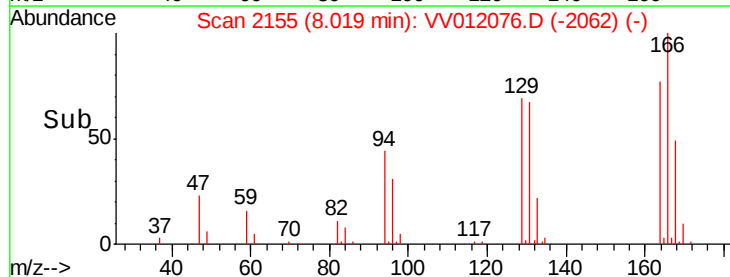
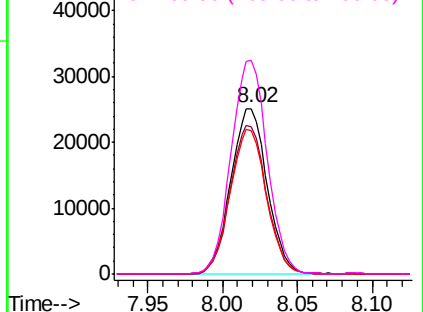
Abundance

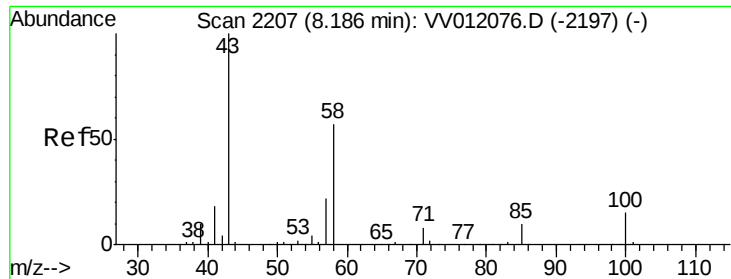
Ion 163.90 (163.60 to 164.60): V

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

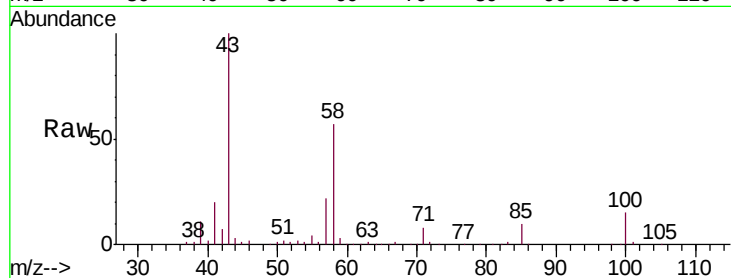




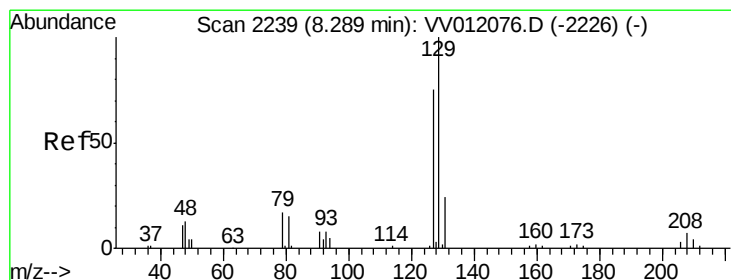
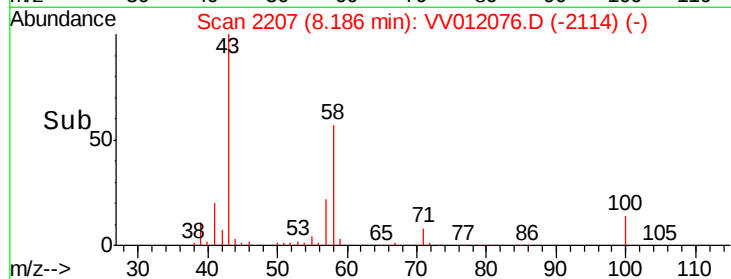
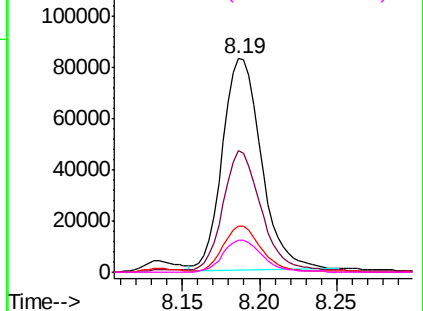
#48
2-Hexanone
Concen: 46.229 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012076.D
Acq: 30 Jul 2019 18:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

Tgt Ion:	43	Resp:	144900
Ion	Ratio	Lower	Upper
43	100		
58	57.1	45.7	68.5
57	21.2	17.0	25.4
100	15.7	12.6	18.8

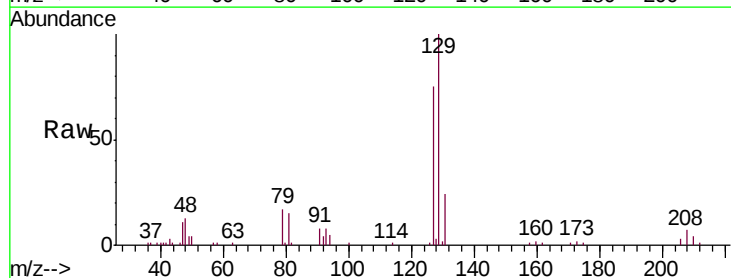


Abundance Ion 43.05 (42.75 to 43.75): VV012076.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV012076.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV012076.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV012076.D (-2197) (-)

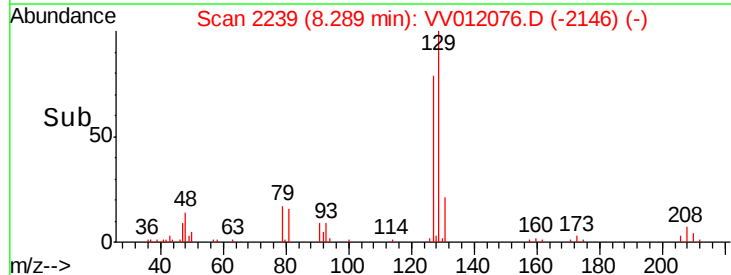
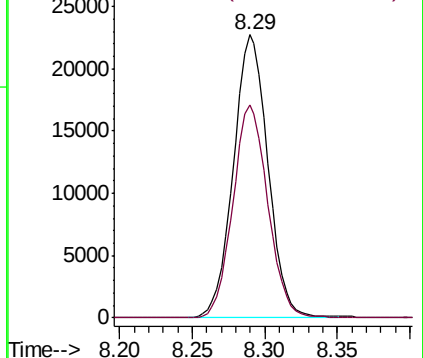


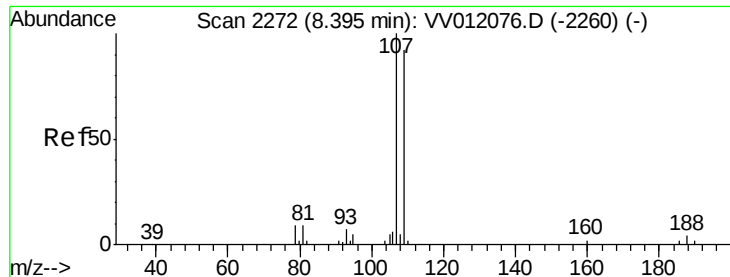
#49
Dibromochloromethane
Concen: 5.317 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012076.D
Acq: 30 Jul 2019 18:03

Tgt Ion:	129	Resp:	37608
Ion	Ratio	Lower	Upper
129	100		
127	75.5	52.8	98.2



Abundance Ion 128.95 (128.65 to 129.65): VV012076.D (-2226) (-)
Ion 126.90 (126.60 to 127.60): VV012076.D (-2226) (-)

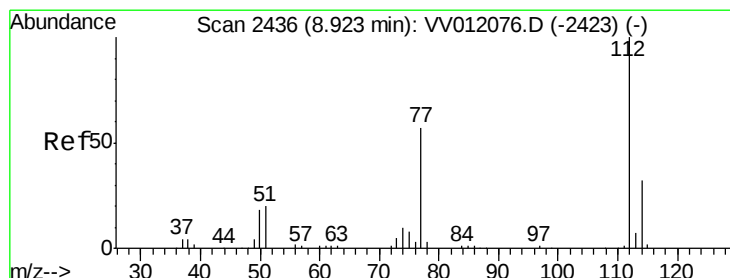
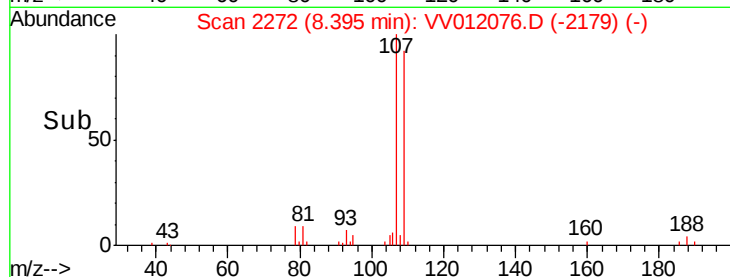
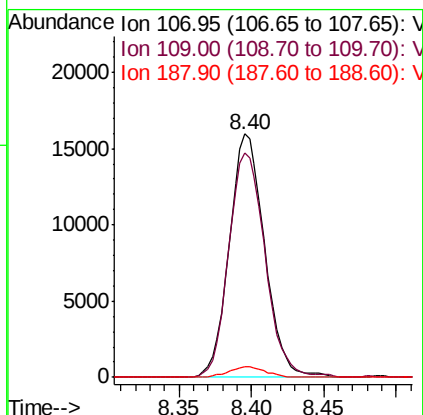
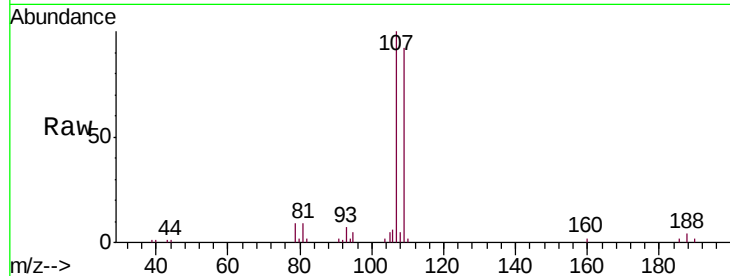




#50
1,2-Dibromoethane
Concen: 5.006 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012076.D
Acq: 30 Jul 2019 18:03

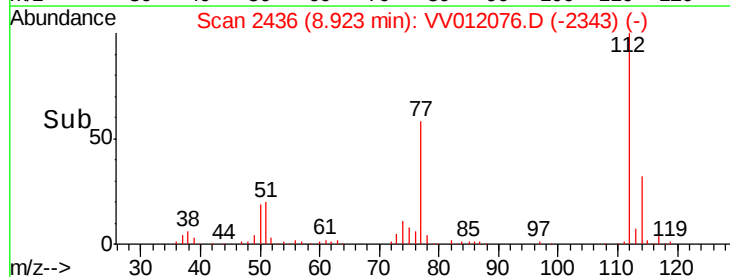
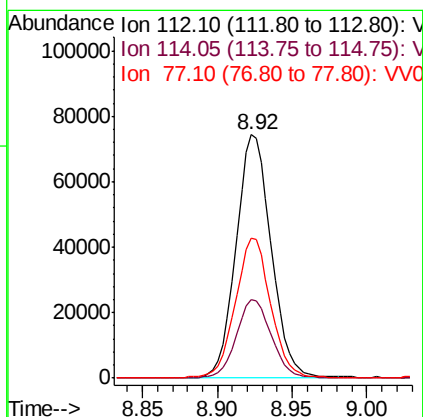
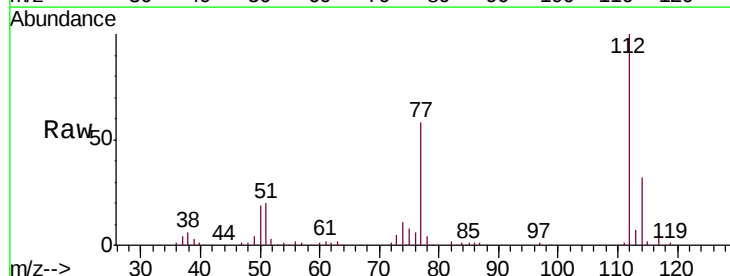
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

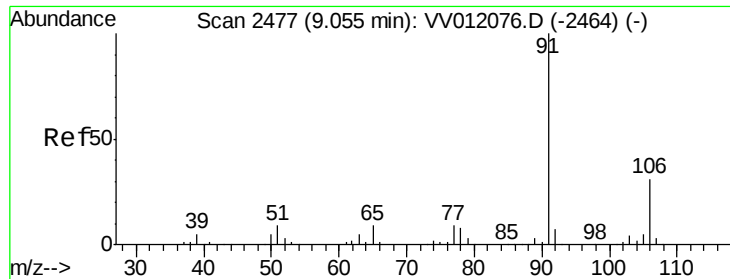
Tgt Ion:107 Resp: 26979
Ion Ratio Lower Upper
107 100
109 92.4 64.7 120.1
188 4.2 3.4 5.0



#51
Chlorobenzene
Concen: 5.019 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012076.D
Acq: 30 Jul 2019 18:03

Tgt Ion:112 Resp: 121516
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 57.6 46.1 69.1





#52

Ethylbenzene

Concen: 5.018 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012076.D

Acq: 30 Jul 2019 18:03

Instrument :

MSVOA_V

ClientSampleId :

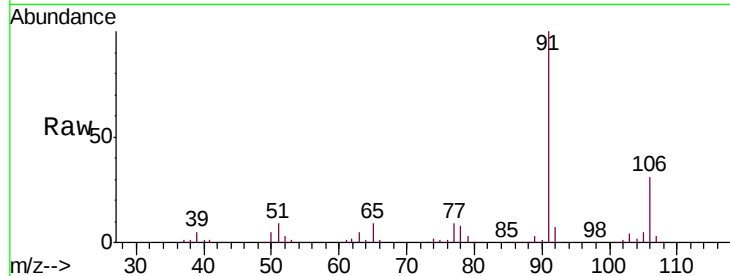
VSTD00535

Tgt Ion: 91 Resp: 210732

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV012076.D (-2464) (-)

Ion 106.15 (105.85 to 106.85): VV012076.D (-2464) (-)

9.05

150000

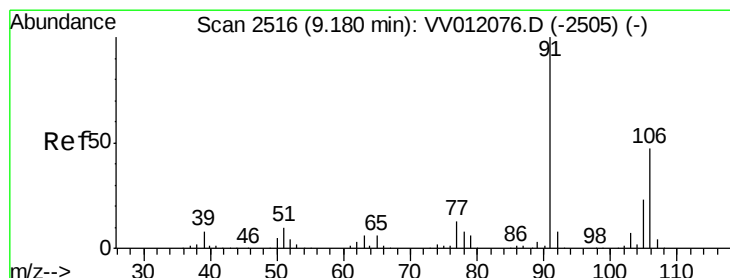
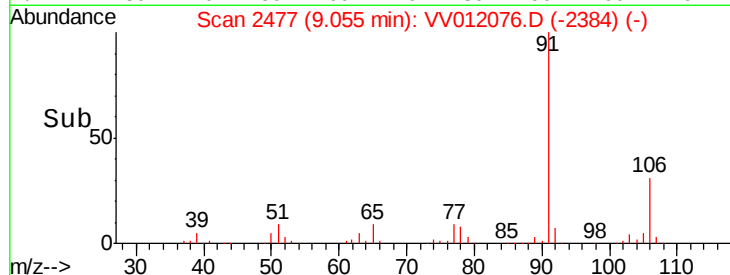
100000

50000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 5.043 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012076.D

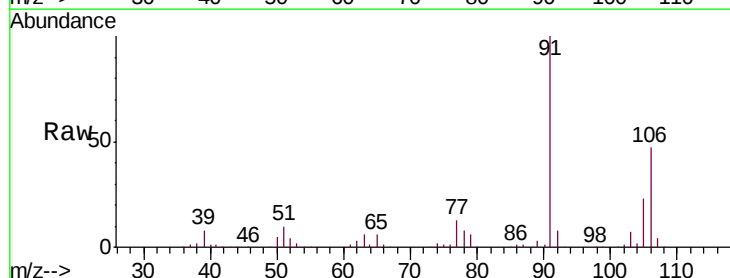
Acq: 30 Jul 2019 18:03

Tgt Ion: 106 Resp: 80332

Ion Ratio Lower Upper

106 100

91 212.5 148.7 276.3



Abundance Ion 106.15 (105.85 to 106.85): VV012076.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VV012076.D (-2505) (-)

9.18

120000

100000

80000

60000

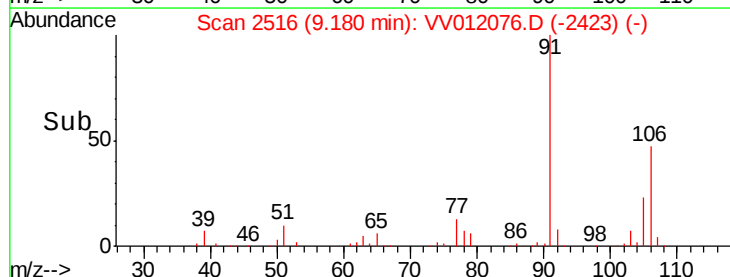
40000

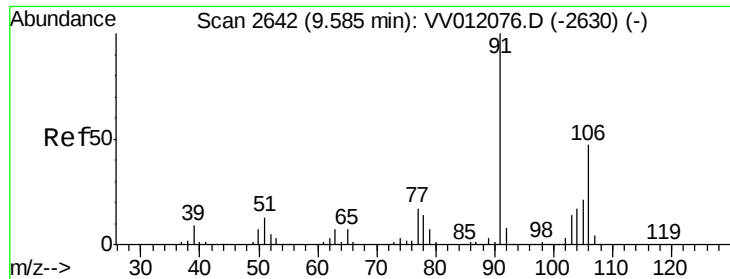
20000

0

9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 5.081 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012076.D

Acq: 30 Jul 2019 18:03

Instrument :

MSVOA_V

ClientSampleId :

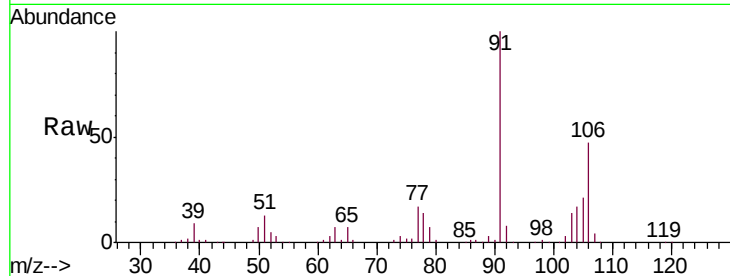
VSTD00535

Tgt Ion:106 Resp: 77293

Ion Ratio Lower Upper

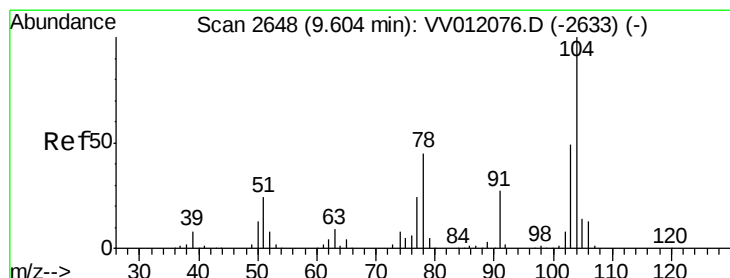
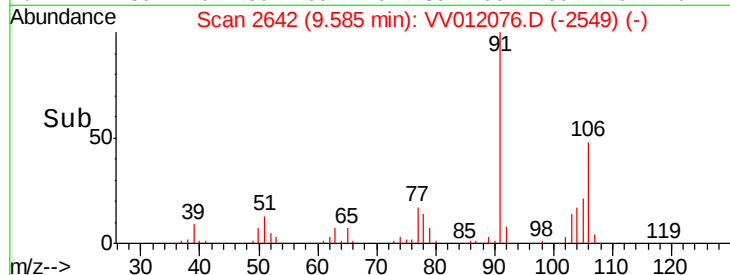
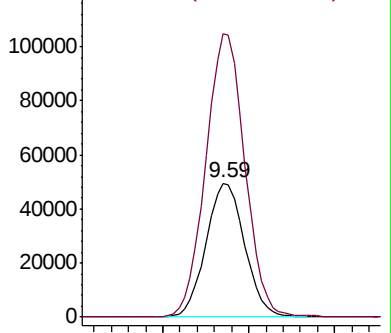
106 100

91 211.0 147.7 274.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.185 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012076.D

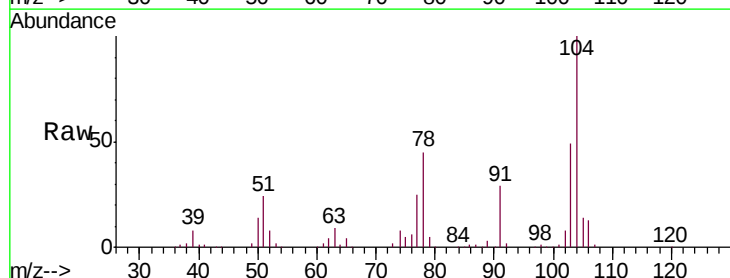
Acq: 30 Jul 2019 18:03

Tgt Ion:104 Resp: 132392

Ion Ratio Lower Upper

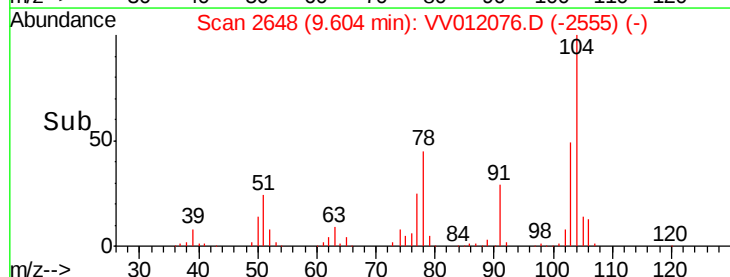
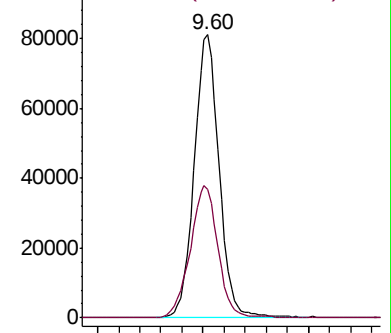
104 100

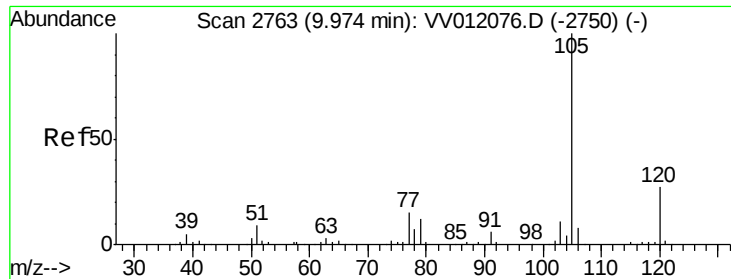
78 45.3 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.063 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012076.D

Acq: 30 Jul 2019 18:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

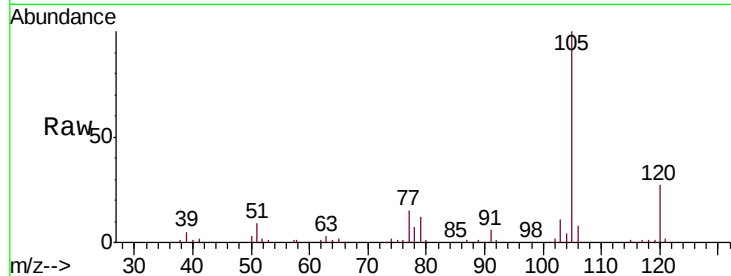
Tgt Ion: 105 Resp: 214469

Ion Ratio Lower Upper

105 100

120 27.3 21.8 32.8

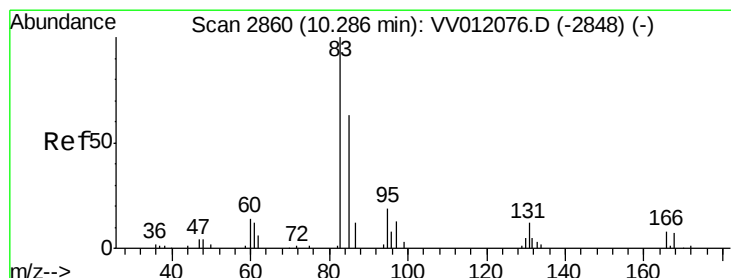
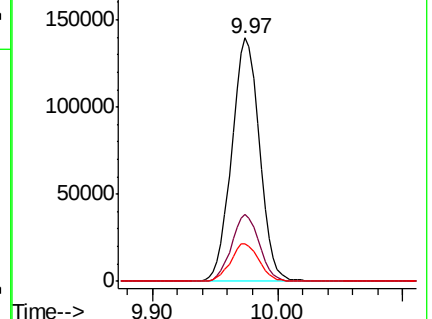
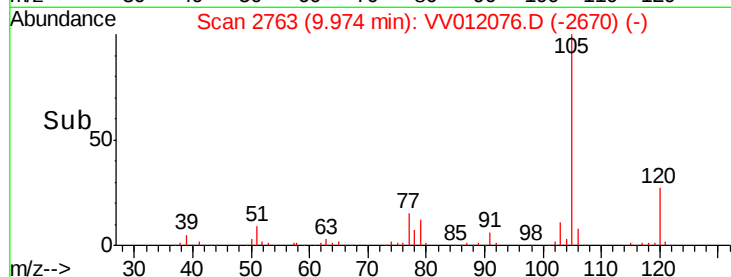
77 15.9 12.7 19.1



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: 5.062 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012076.D

Acq: 30 Jul 2019 18:03

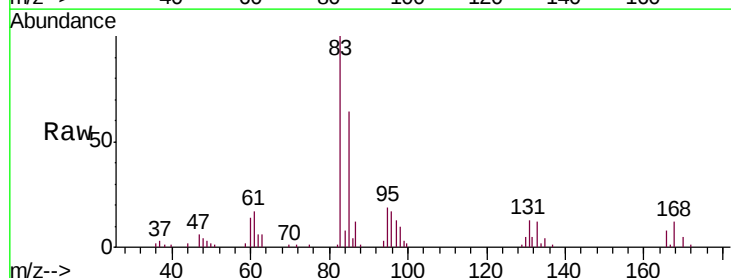
Tgt Ion: 83 Resp: 31344

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

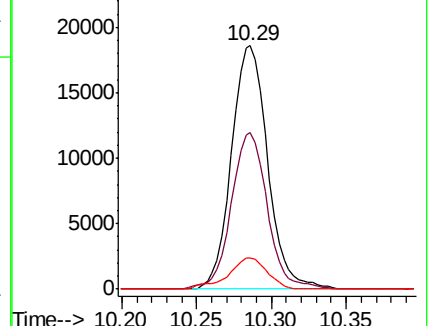
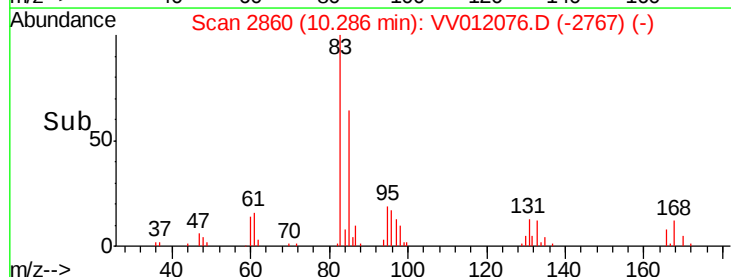
131 12.9 10.3 15.5

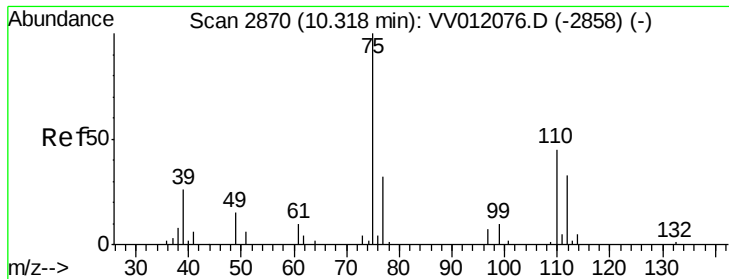


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

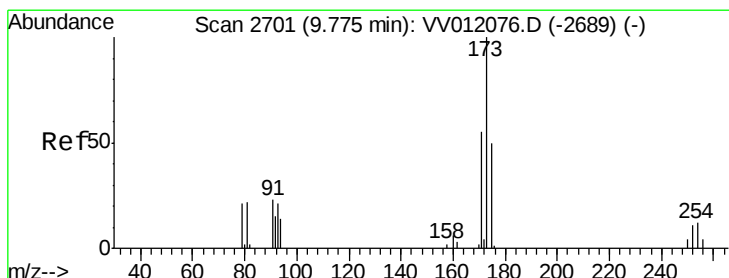
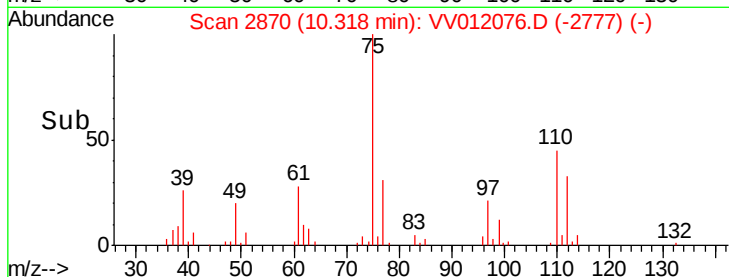
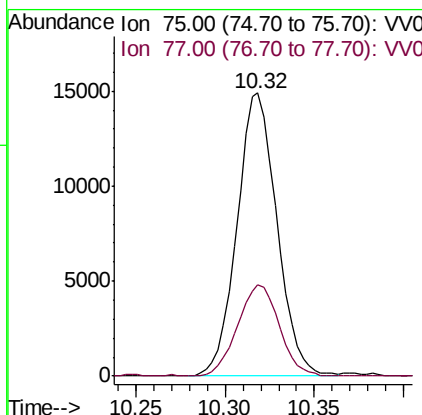
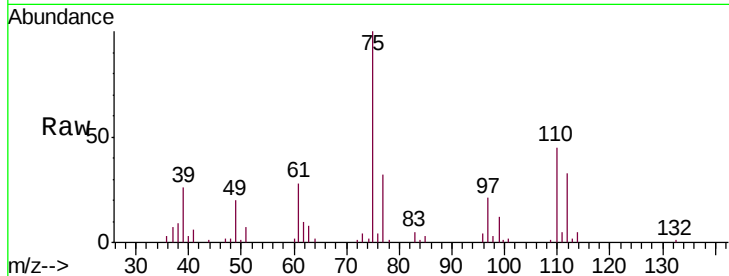




#59
1,2,3-Trichloropropane
Concen: 4.880 ug/L
RT: 10.32 min Scan# 2870
Delta R.T. 0.00 min
Lab File: VV012076.D
Acq: 30 Jul 2019 18:03

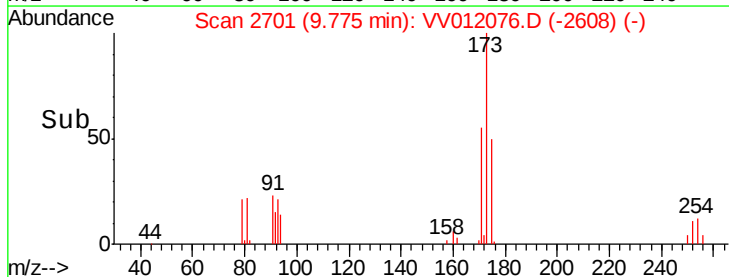
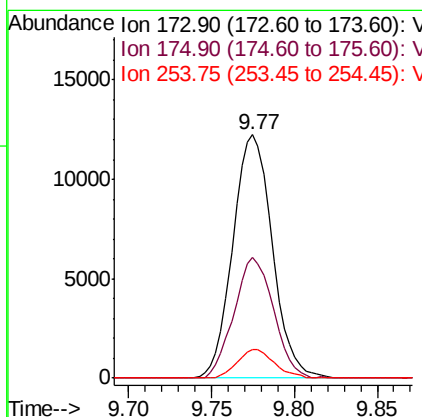
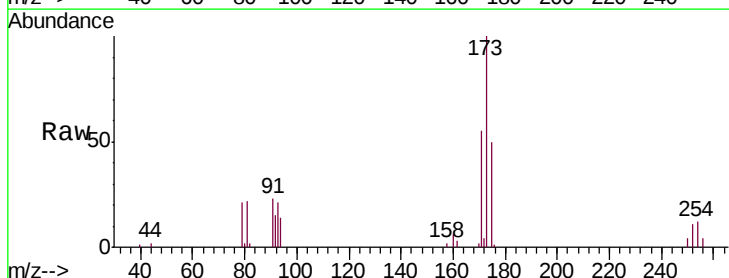
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

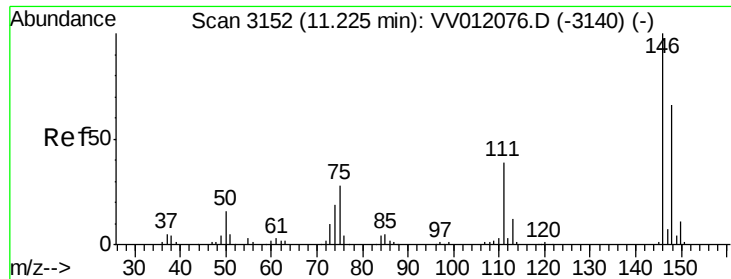
Tgt Ion: 75 Resp: 23210
Ion Ratio Lower Upper
75 100
77 33.6 26.9 40.3



#61
Bromoform
Concen: 5.066 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VV012076.D
Acq: 30 Jul 2019 18:03

Tgt Ion: 173 Resp: 20329
Ion Ratio Lower Upper
173 100
175 49.3 39.4 59.2
254 10.9 8.7 13.1

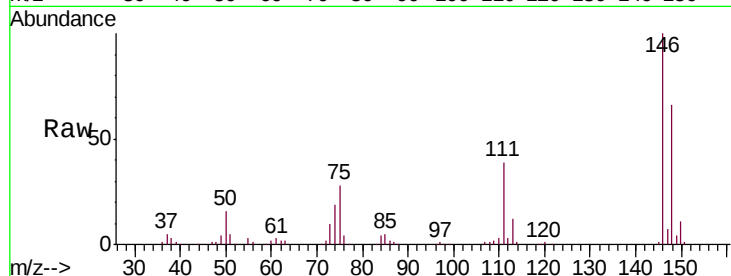




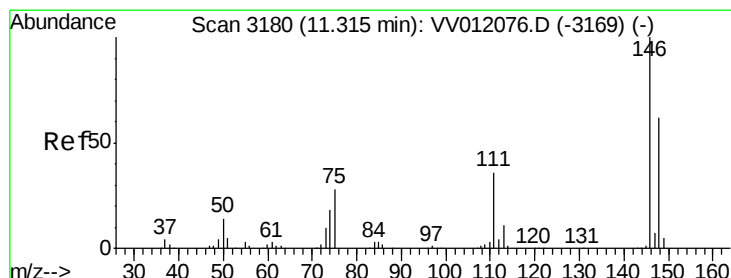
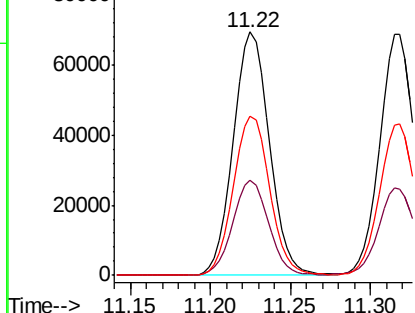
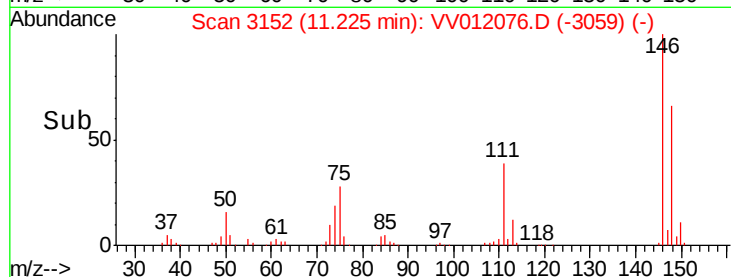
#62
 1,3-Dichlorobenzene
 Concen: 4.980 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

Tgt Ion:146 Resp: 106785
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.2 50.6
 148 65.6 45.9 85.3

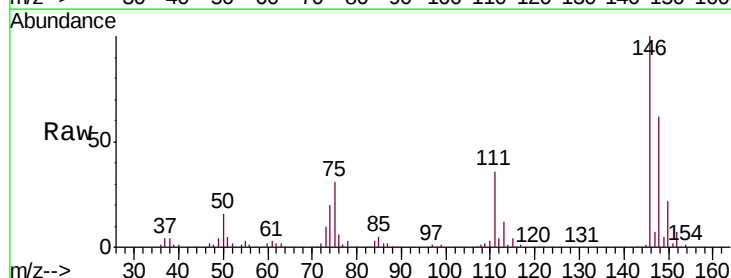


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

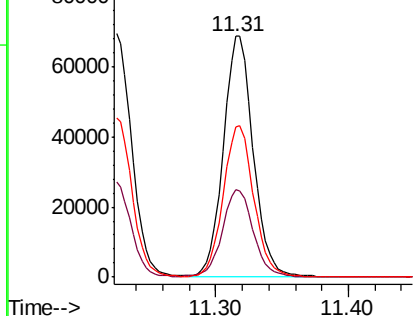
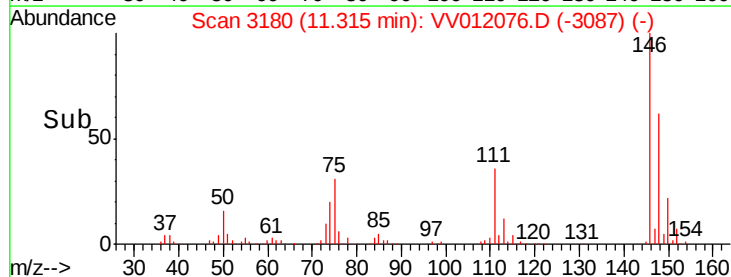


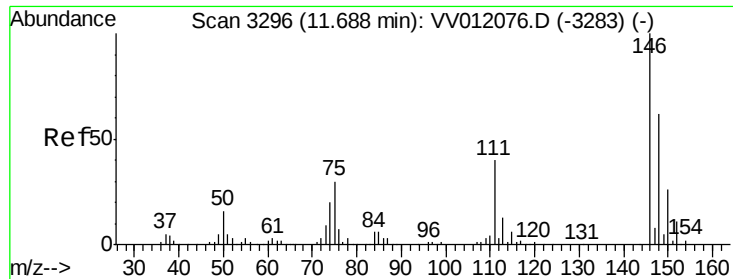
#63
 1,4-Dichlorobenzene
 Concen: 4.882 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

Tgt Ion:146 Resp: 107700
 Ion Ratio Lower Upper
 146 100
 111 36.3 25.4 47.2
 148 62.1 43.5 80.7



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

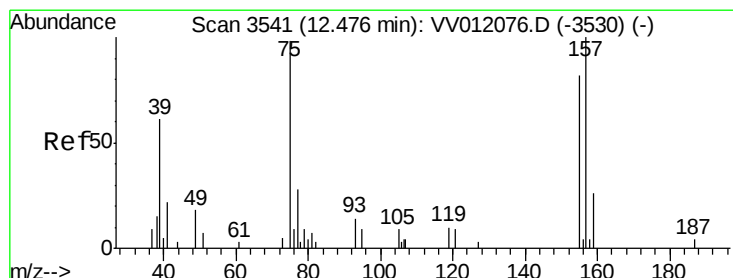
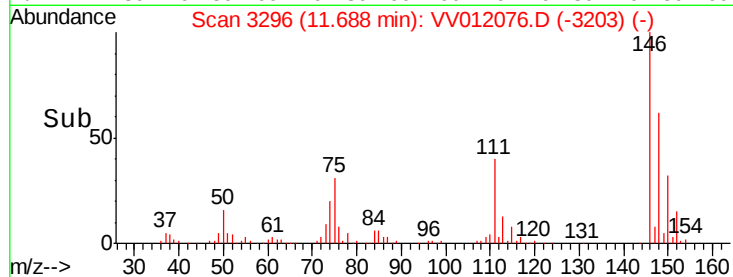
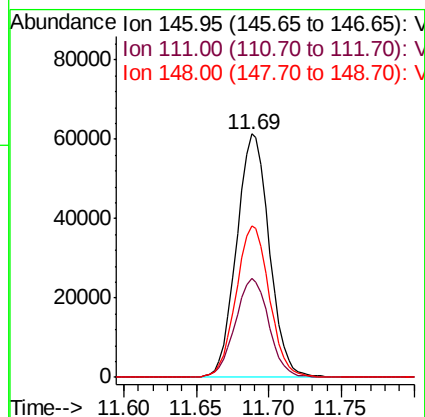
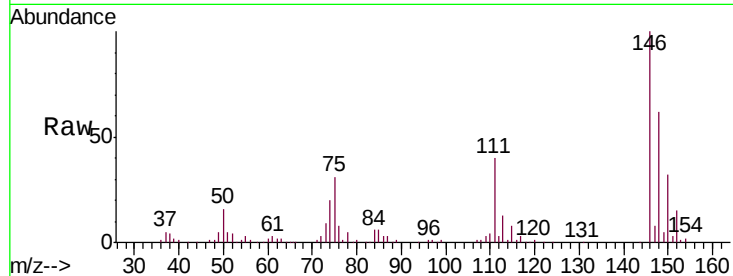




#65
 1,2-Dichlorobenzene
 Concen: 4.909 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

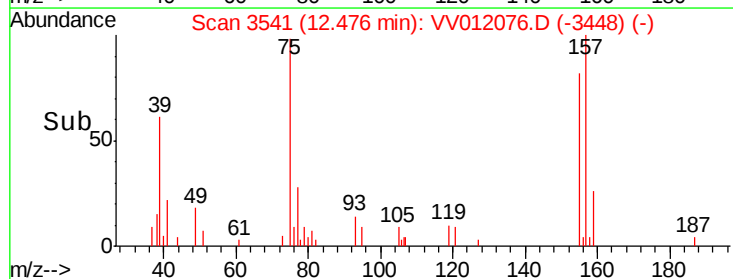
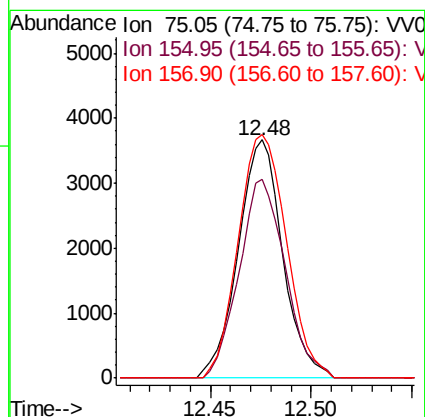
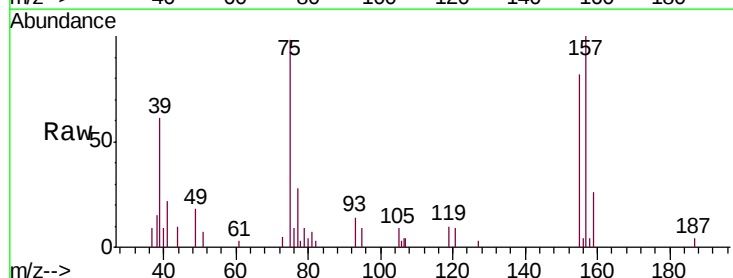
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

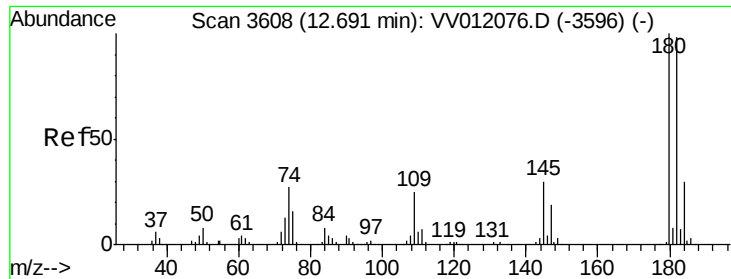
Tgt Ion:146 Resp: 96258
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.3 48.5
 148 62.4 49.9 74.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.905 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

Tgt Ion: 75 Resp: 5668
 Ion Ratio Lower Upper
 75 100
 155 83.6 66.9 100.3
 157 102.2 81.8 122.6

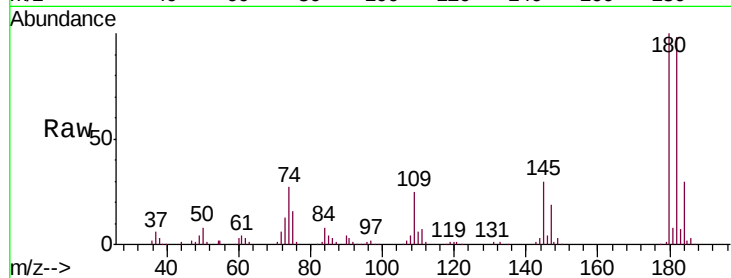




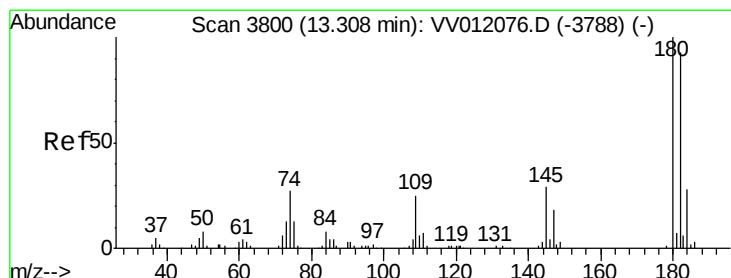
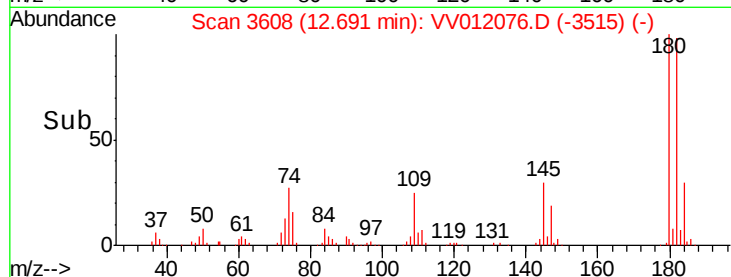
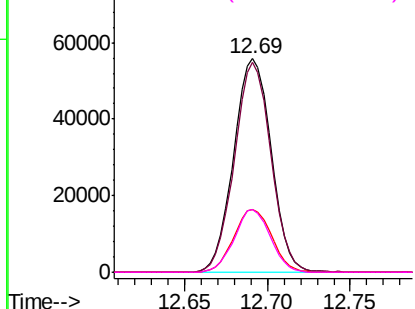
#67
 1,3,5-Trichlorobenzene
 Concen: 4.891 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

Tgt Ion:180 Resp: 87932
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.6 115.0
 184 29.8 23.8 35.8
 145 28.2 22.6 33.8

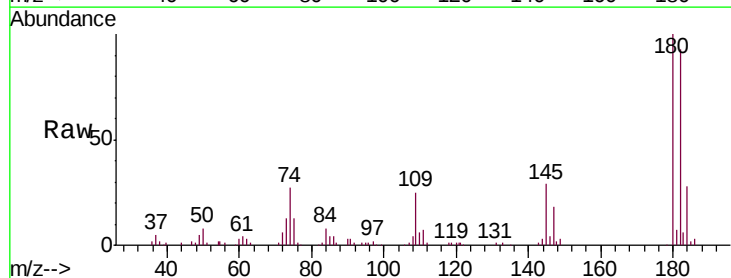


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

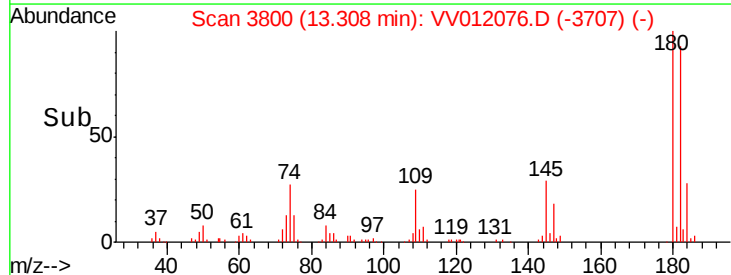
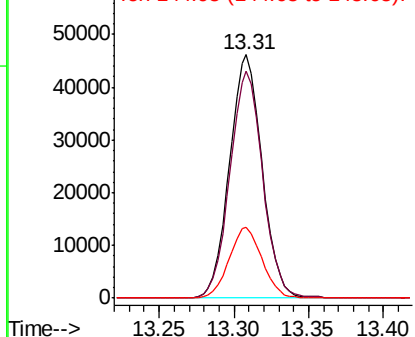


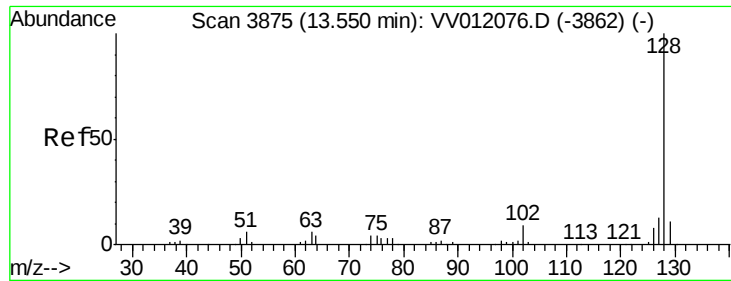
#68
 1,2,4-trichlorobenzene
 Concen: 4.815 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012076.D
 Acq: 30 Jul 2019 18:03

Tgt Ion:180 Resp: 69718
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.4 113.0
 145 29.4 23.5 35.3



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: 4.453 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012076.D

Acq: 30 Jul 2019 18:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

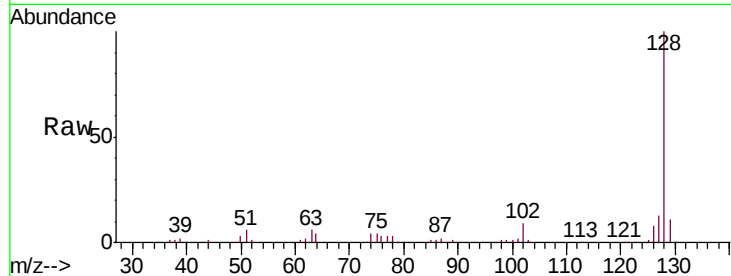
Tgt Ion:128 Resp: 95184

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

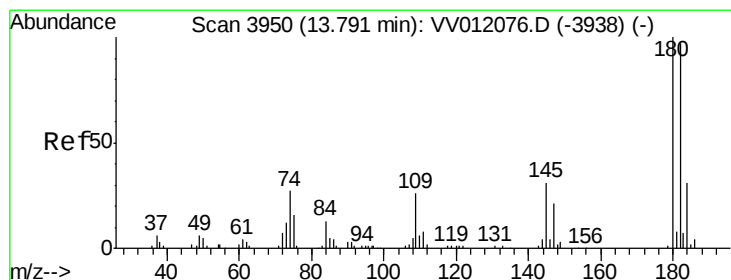
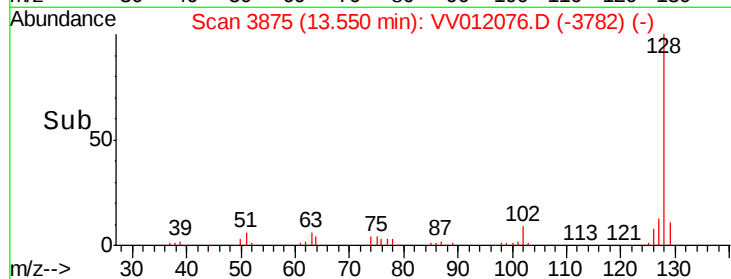
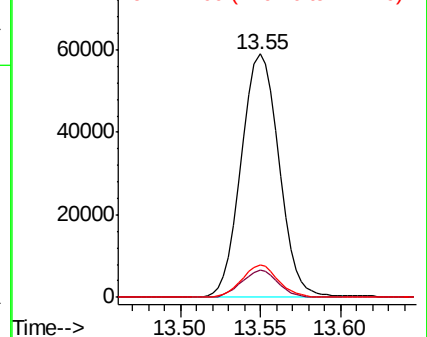
127 12.5 10.0 15.0



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: 4.841 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012076.D

Acq: 30 Jul 2019 18:03

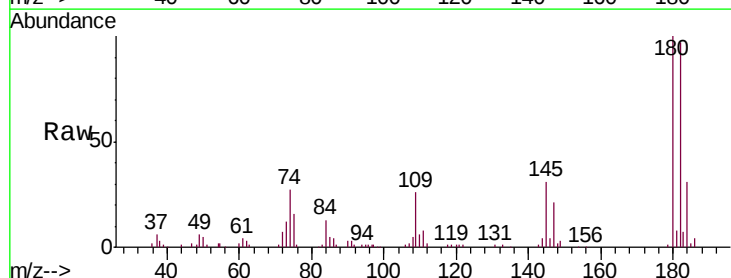
Tgt Ion:180 Resp: 63238

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 30.5 24.4 36.6



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

