

Data File : VV012521.D
Acq On : 02 Sep 2019 11:42
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV35

Quant Time: Sep 03 05:40:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 03 02:30:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	169961	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	159609	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	79432	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77940	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.58	69	75005	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.13	63	193623	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	3.97	46	147168	46.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.58%
24) Chloroform-d	4.40	84	121130	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.08	65	61015	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.09	84	221574	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.12	67	70376	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.36	98	207744	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
43) trans-1,3-Dichloropropene-	7.66	79	25698	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	8.14	63	101907	52.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.44%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	48605	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	68641	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	106023	4.871	ug/L 100
3) Chloromethane	1.25	50	129633	5.030	ug/L 98
5) Vinyl chloride	1.32	62	138257	4.944	ug/L 99
6) Bromomethane	1.54	94	83731	5.036	ug/L 100
8) Chloroethane	1.60	64	89989	4.694	ug/L 99
9) Trichlorofluoromethane	1.77	101	206481	4.816	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	117921	4.929	ug/L 98
12) 1,1-Dichloroethene	2.14	96	109920	5.000	ug/L 97
13) Acetone	2.23	43	211397	47.361	ug/L 100
14) Carbon disulfide	2.32	76	338166	4.784	ug/L 99
15) Methyl Acetate	2.47	43	54827	5.068	ug/L 98
16) Methylene chloride	2.53	84	121144	4.789	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	189628	5.078	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	83351	4.742	ug/L 97
19) 1,1-Dichloroethane	3.23	63	164272	4.856	ug/L 98
21) 2-Butanone	4.05	43	213861	50.076	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	88825	4.889	ug/L 97

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Instrument :
MSVOA_V
ClientSampleId :
VICV35

Quant Time: Sep 03 05:40:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 03 02:30:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	35935	4.953	ug/L	98
25) Chloroform	4.42	83	165798	4.676	ug/L	99
27) 1,2-Dichloroethane	5.18	62	104898	5.081	ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	134093	5.070	ug/L	98
30) Cyclohexane	4.72	56	146729	5.377	ug/L	99
31) Carbon tetrachloride	4.87	117	115701	5.032	ug/L	100
33) Benzene	5.14	78	350878	5.354	ug/L	100
34) Trichloroethene	5.96	95	91208	5.023	ug/L	96
35) Methylcyclohexane	6.17	83	147642	5.350	ug/L	97
37) 1,2-Dichloropropane	6.22	63	87860	5.010	ug/L	100
38) Bromodichloromethane	6.55	83	114053	5.144	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	121528	5.329	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	563171	55.276	ug/L	99
42) Toluene	7.43	91	380678	5.344	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	95275	5.272	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	56373	5.084	ug/L	96
47) Tetrachloroethene	8.02	164	66083	5.037	ug/L	96
48) 2-Hexanone	8.19	43	402126	56.319	ug/L	97
49) Dibromochloromethane	8.29	129	67212	5.207	ug/L	98
50) 1,2-Dibromoethane	8.39	107	51578	5.213	ug/L	96
51) Chlorobenzene	8.92	112	227619	5.087	ug/L	98
52) Ethylbenzene	9.05	91	414771	5.337	ug/L	99
53) m,p-xylene	9.18	106	151838	5.388	ug/L	100
54) o-xylene	9.59	106	145176	5.459	ug/L	94
55) Styrene	9.60	104	253955	5.613	ug/L	99
56) Isopropylbenzene	9.97	105	402591	5.470	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	63585	5.097	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	50107	5.127	ug/L	95
61) Bromoform	9.77	173	33157	5.136	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	176959	5.160	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	176862	5.010	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	162639	5.175	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	9943	4.693	ug/L #	85
67) 1,3,5-Trichlorobenzene	12.69	180	127869	5.045	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	101491	5.559	ug/L	99
69) Naphthalene	13.55	128	161249	5.957	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	95992	5.809	ug/L	95

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

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Instrument :
MSVOA_V
ClientSampleId :
VICV35

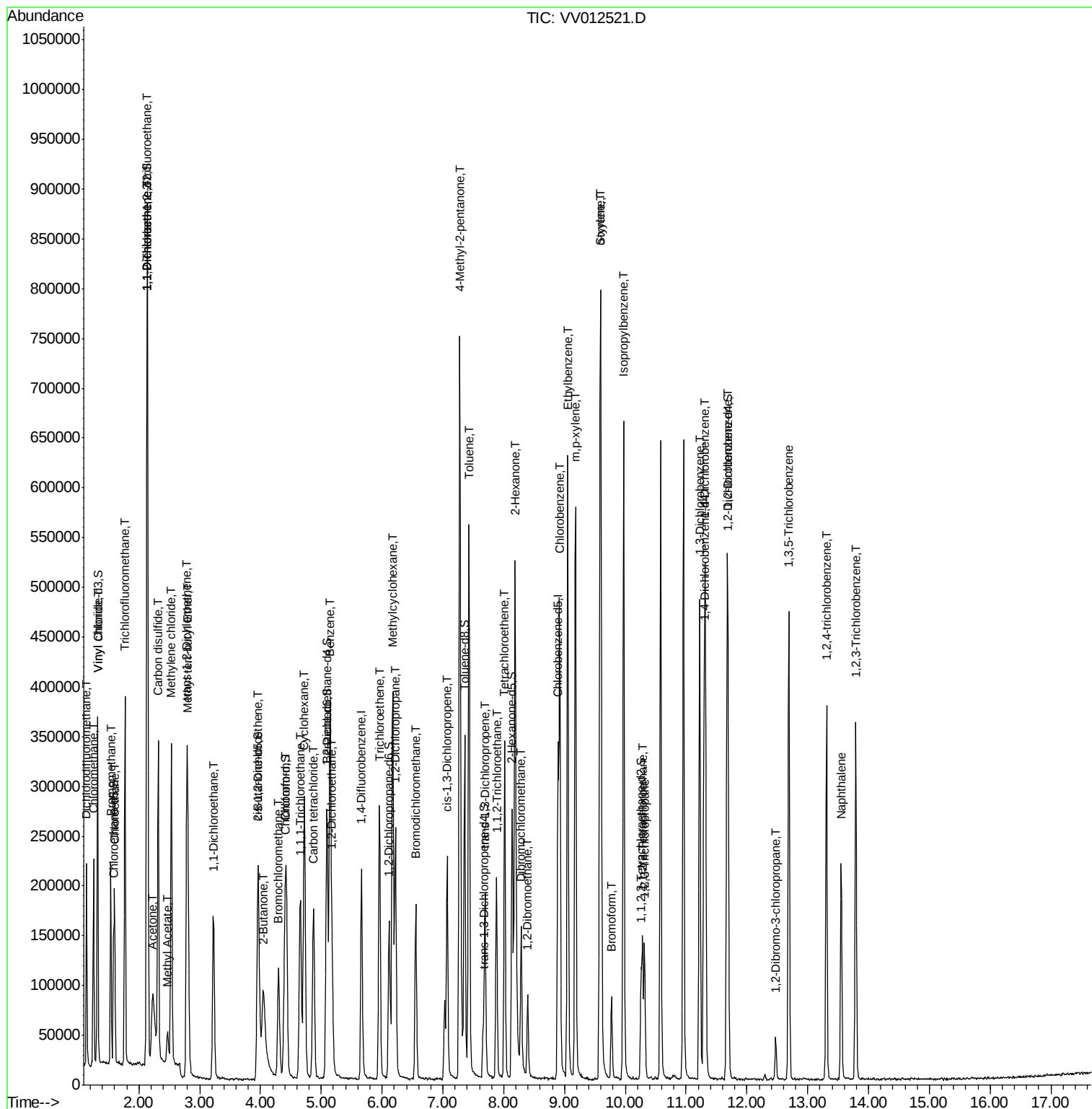
Quant Time: Sep 03 05:40:02 2019

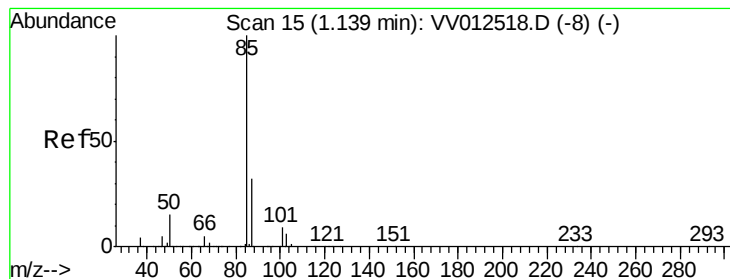
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Sep 03 02:30:09 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.871 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

Instrument :

MSVOA_V

ClientSampleId :

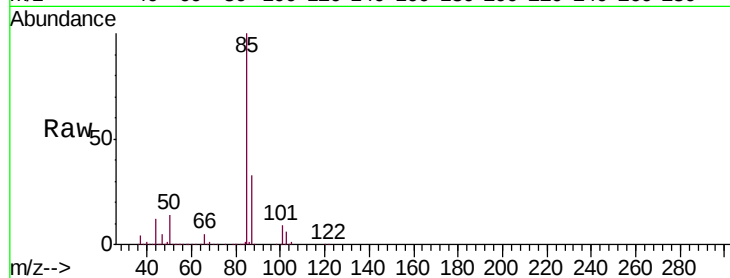
VICV35

Tgt Ion: 85 Resp: 106023

Ion Ratio Lower Upper

85 100

87 32.8 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

120000

100000

80000

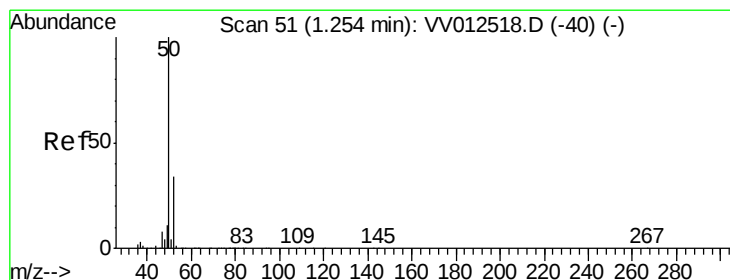
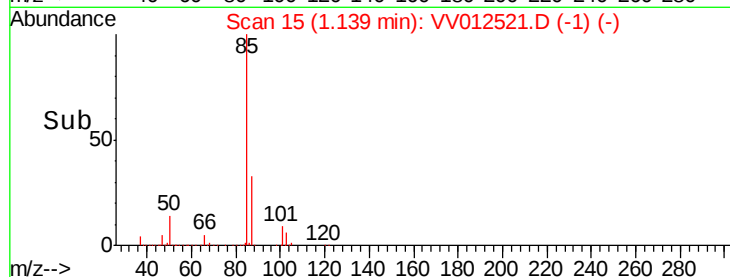
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 5.030 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012521.D

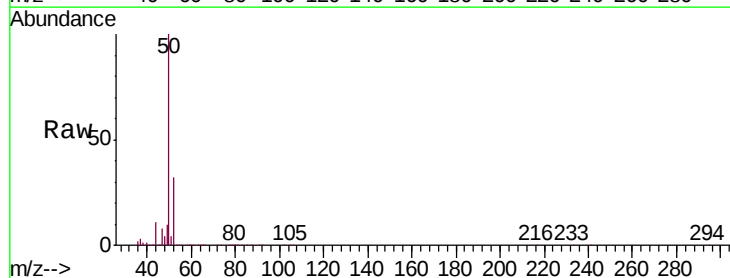
Acq: 02 Sep 2019 11:42

Tgt Ion: 50 Resp: 129633

Ion Ratio Lower Upper

50 100

52 32.2 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

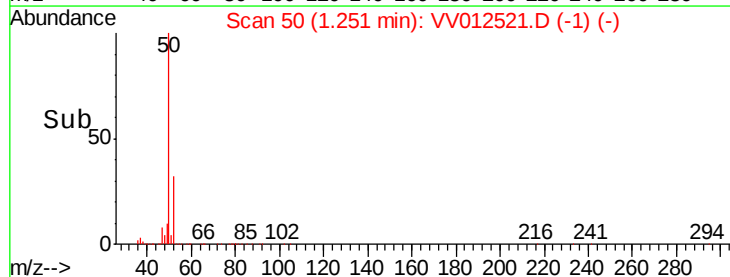
150000

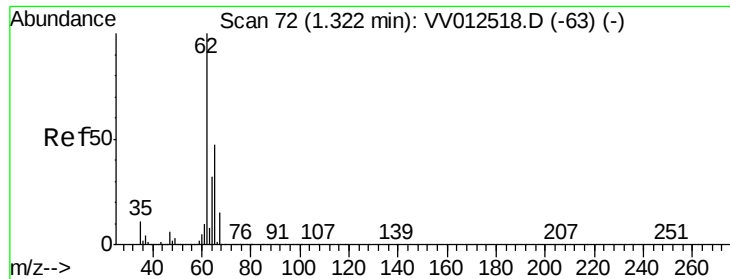
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.944 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

Instrument :

MSVOA_V

ClientSampleId :

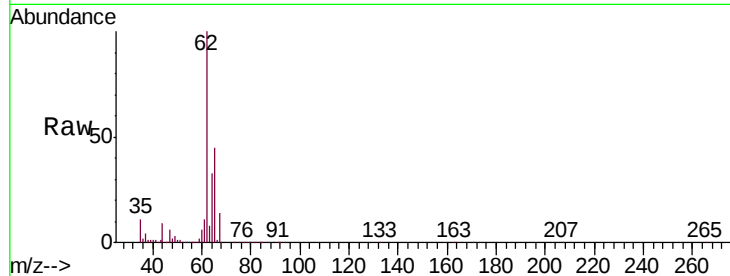
VICV35

Tgt Ion: 62 Resp: 138257

Ion Ratio Lower Upper

62 100

64 32.7 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

150000

100000

50000

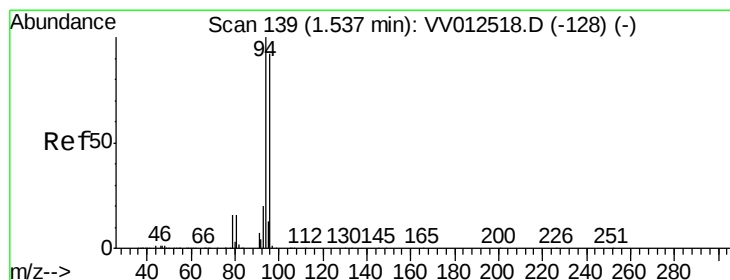
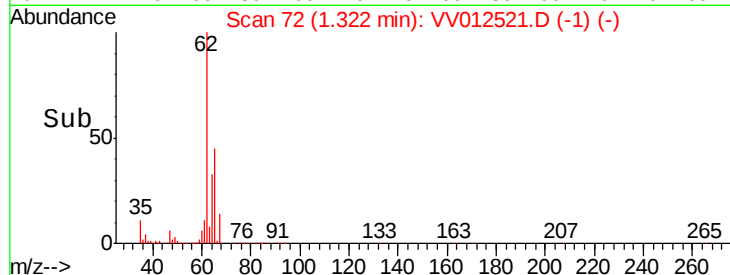
0

1.32

1.35

1.40

Time-->



#6

Bromomethane

Concen: 5.036 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012521.D

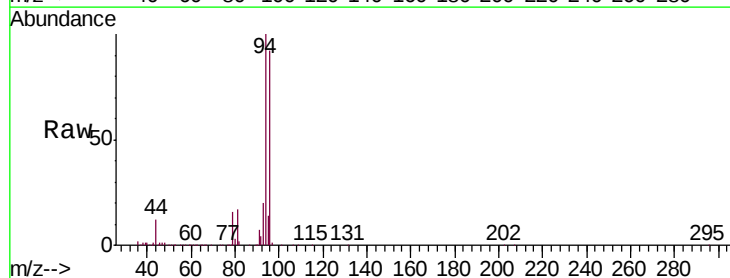
Acq: 02 Sep 2019 11:42

Tgt Ion: 94 Resp: 83731

Ion Ratio Lower Upper

94 100

96 92.0 64.3 119.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

80000

60000

40000

20000

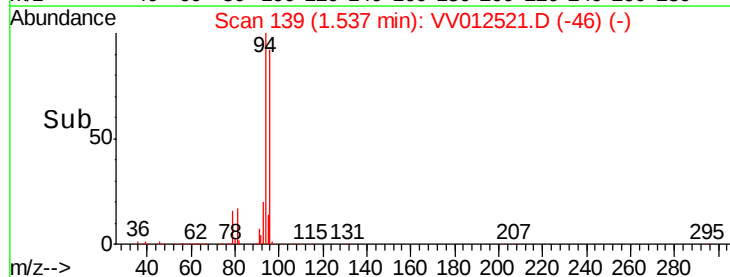
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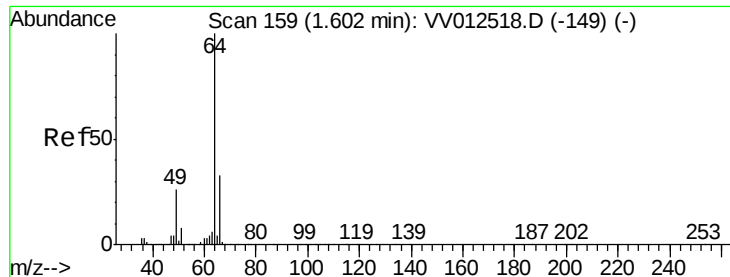
1.54

1.55

1.60

Time-->





#8

Chloroethane

Concen: 4.694 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

Instrument :

MSVOA_V

ClientSampleId :

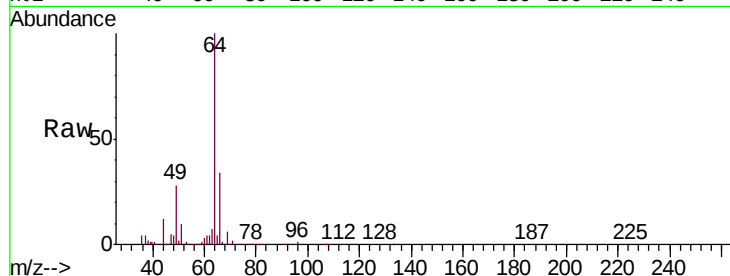
VICV35

Tgt Ion: 64 Resp: 89989

Ion Ratio Lower Upper

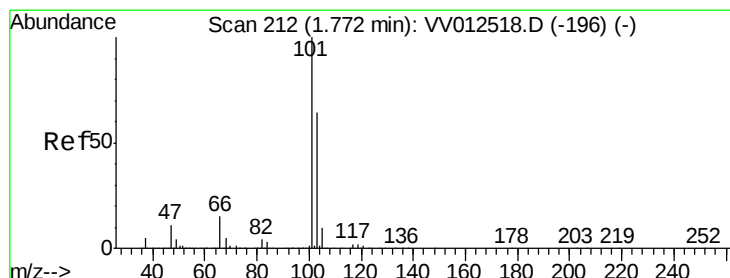
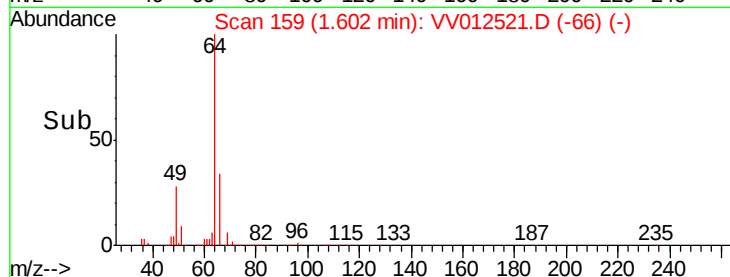
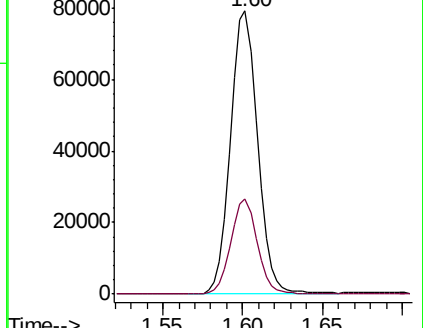
64 100

66 33.6 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VV012521.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012521.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 4.816 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012521.D

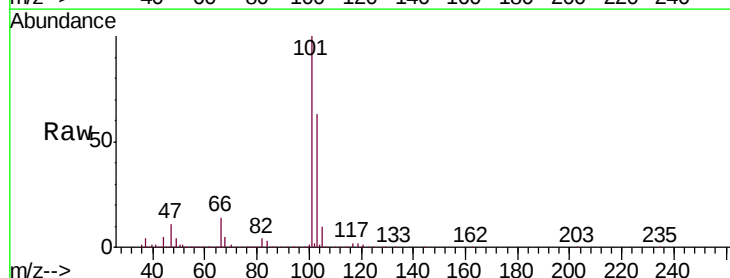
Acq: 02 Sep 2019 11:42

Tgt Ion: 101 Resp: 206481

Ion Ratio Lower Upper

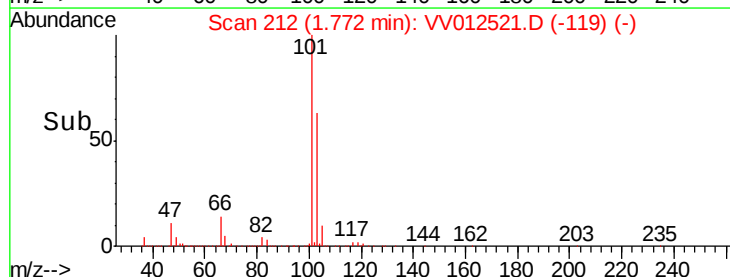
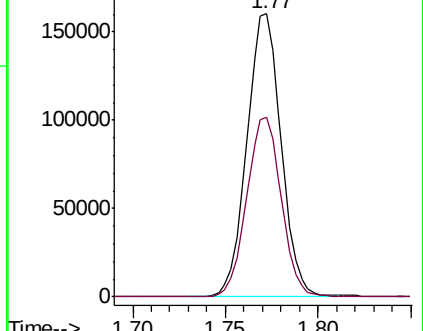
101 100

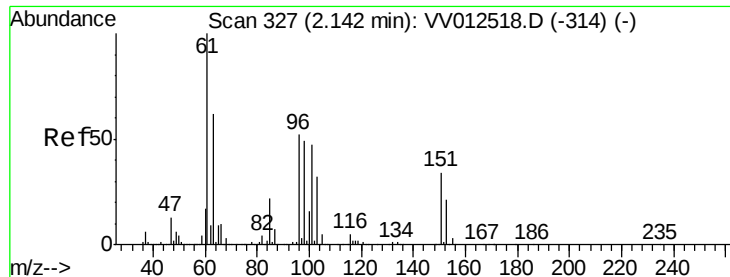
103 63.7 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VV012521.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV012521.D (-196) (-)





#10

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

Concen: 4.929 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

Instrument :

MSVOA_V

ClientSampleID :

VICV35

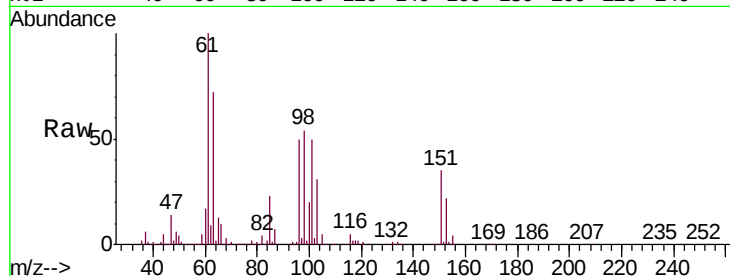
Tgt Ion: 101 Resp: 117921

Ion Ratio Lower Upper

101 100

85 45.4 37.4 56.0

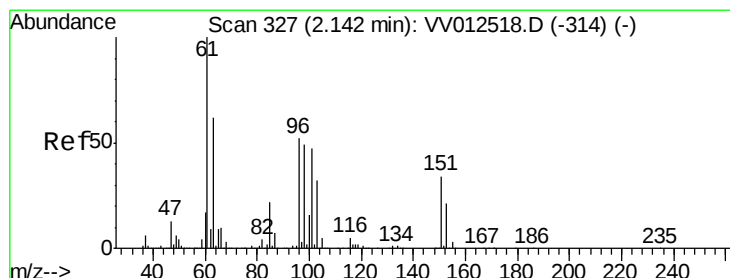
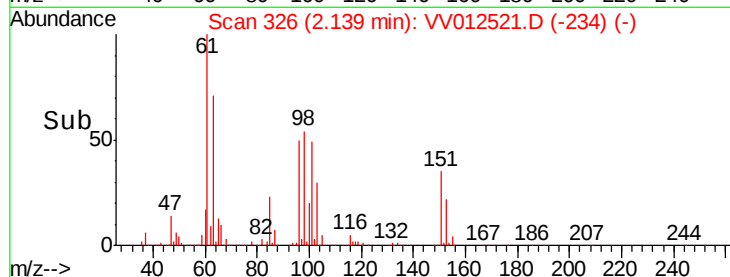
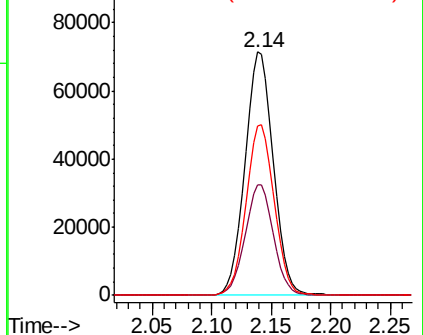
151 69.7 56.7 85.1



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: 5.000 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

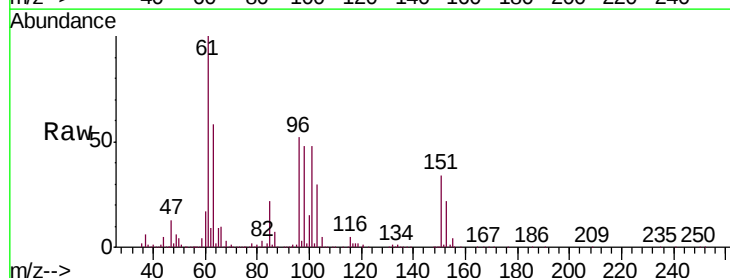
Tgt Ion: 96 Resp: 109920

Ion Ratio Lower Upper

96 100

61 193.3 133.7 248.3

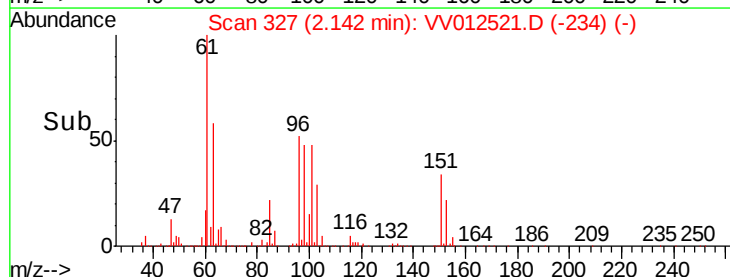
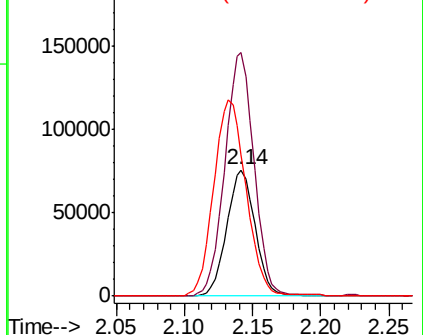
63 112.3 83.2 154.6

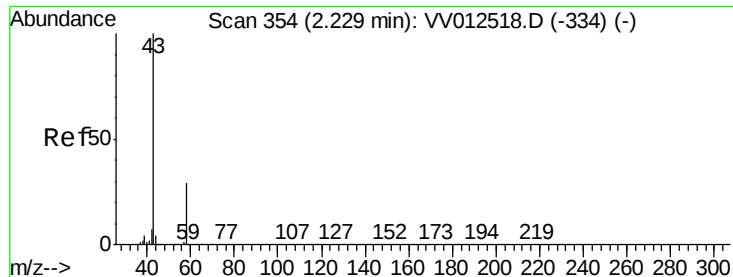


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 47.361 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

Instrument :

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ClientSampleId :

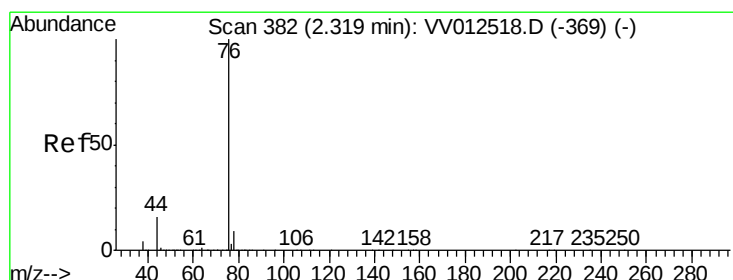
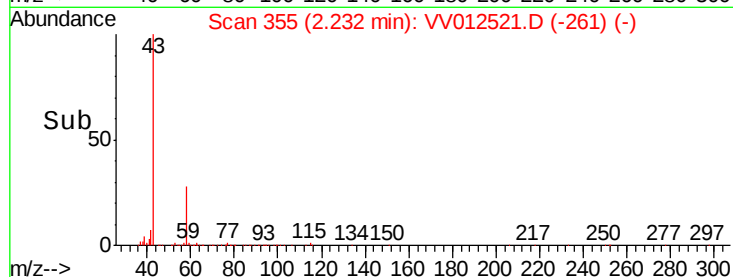
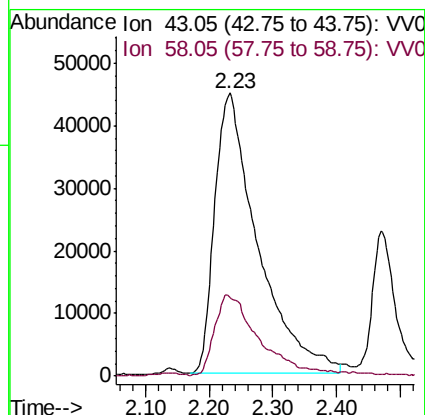
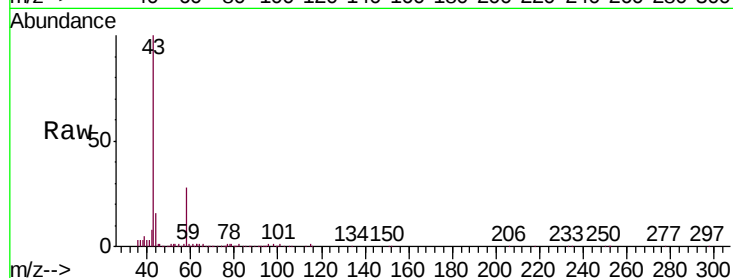
VICV35

Tgt Ion: 43 Resp: 211397

Ion Ratio Lower Upper

43 100

58 28.9 0.0 58.2



#14

Carbon disulfide

Concen: 4.784 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012521.D

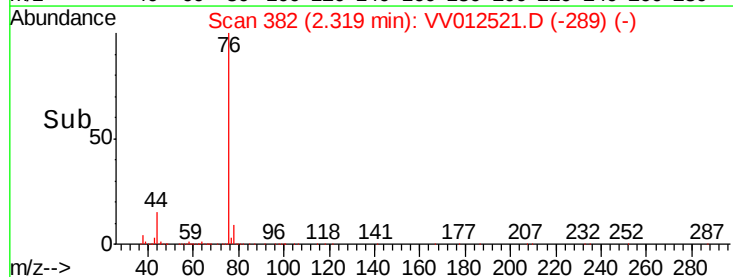
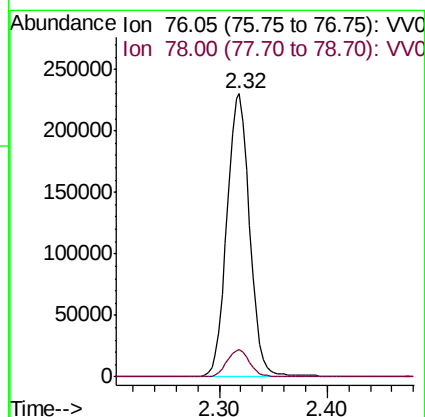
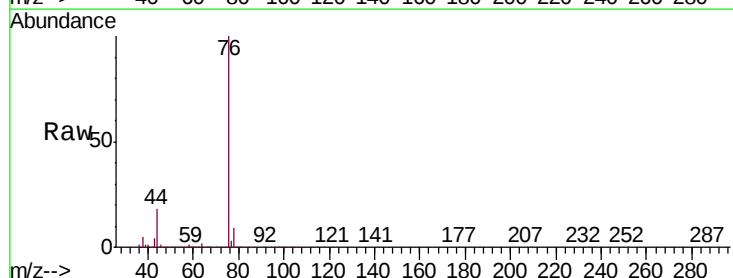
Acq: 02 Sep 2019 11:42

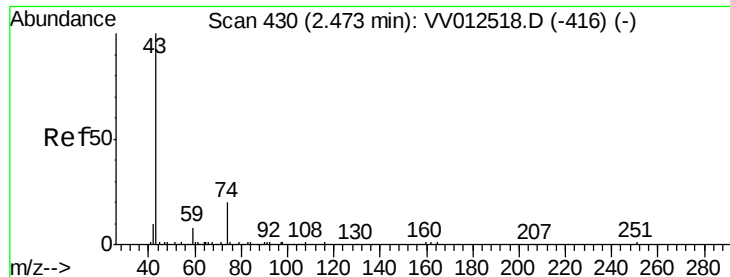
Tgt Ion: 76 Resp: 338166

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

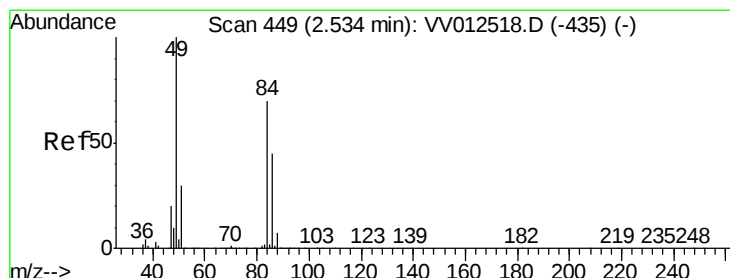
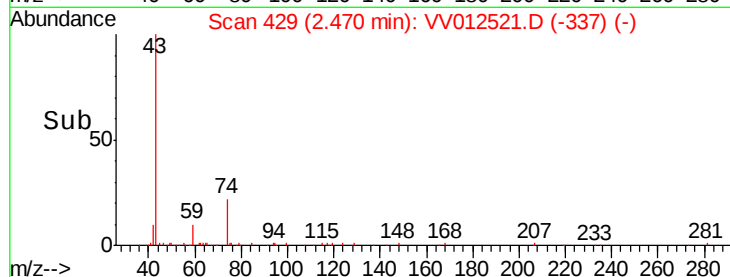
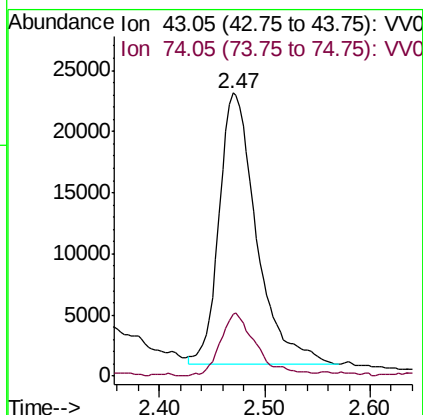
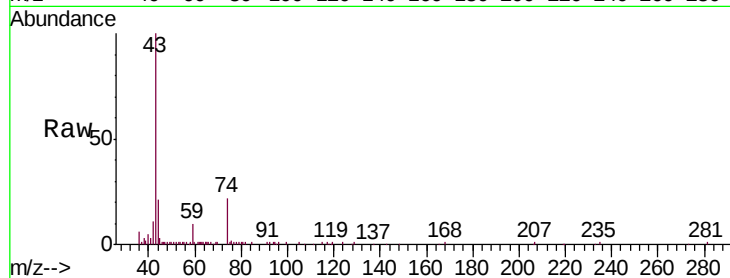




#15
Methyl Acetate
Concen: 5.068 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV012521.D
Acq: 02 Sep 2019 11:42

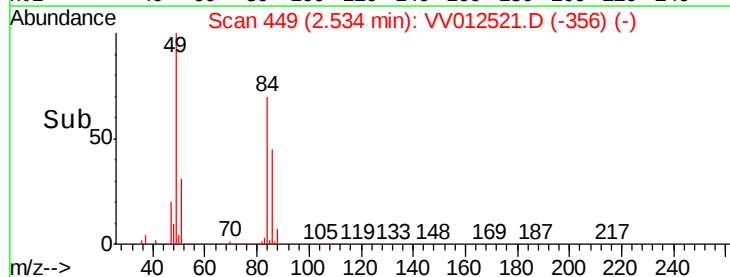
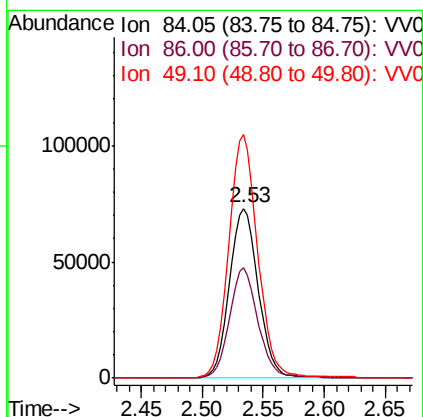
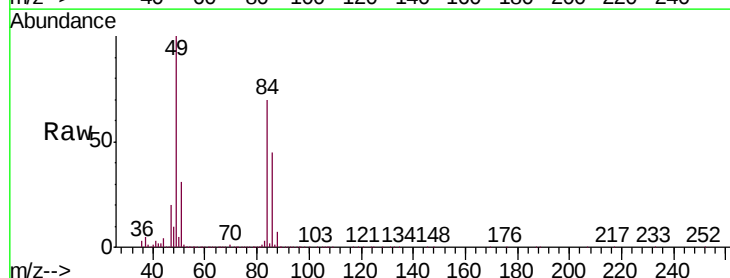
Instrument :
MSVOA_V
ClientSampled :
VICV35

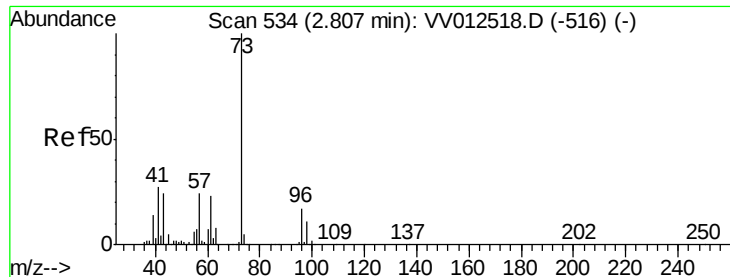
Tgt Ion: 43 Resp: 54827
Ion Ratio Lower Upper
43 100
74 22.5 17.3 25.9



#16
Methylene chloride
Concen: 4.789 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012521.D
Acq: 02 Sep 2019 11:42

Tgt Ion: 84 Resp: 121144
Ion Ratio Lower Upper
84 100
86 64.8 45.2 84.0
49 143.4 100.4 186.4





#17

Methyl tert-butyl Ether

Concen: 5.078 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

Instrument :

MSVOA_V

ClientSampleId :

VICV35

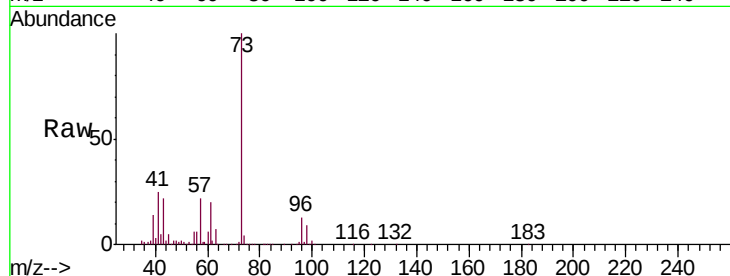
Tgt Ion: 73 Resp: 189628

Ion Ratio Lower Upper

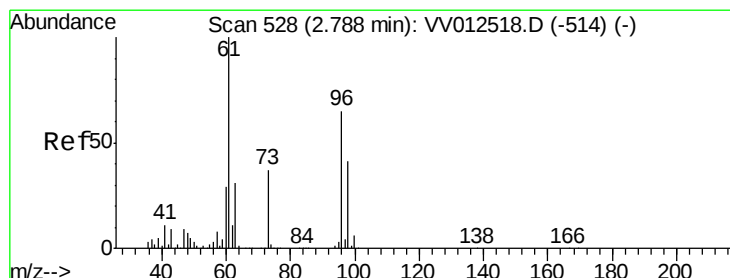
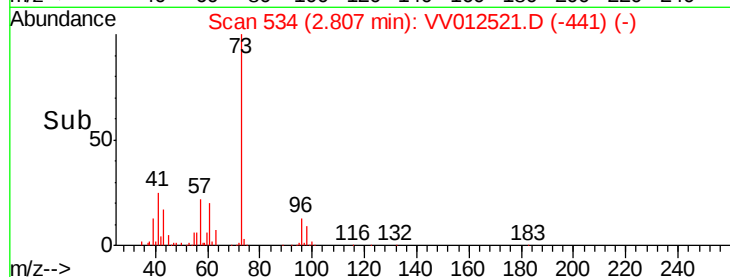
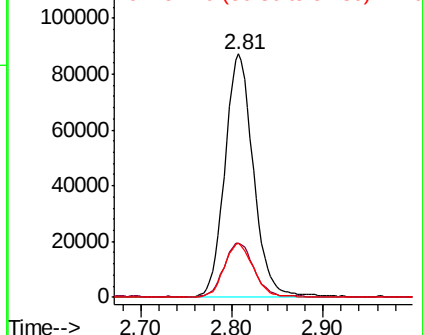
73 100

43 22.9 18.9 28.3

57 22.9 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.742 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

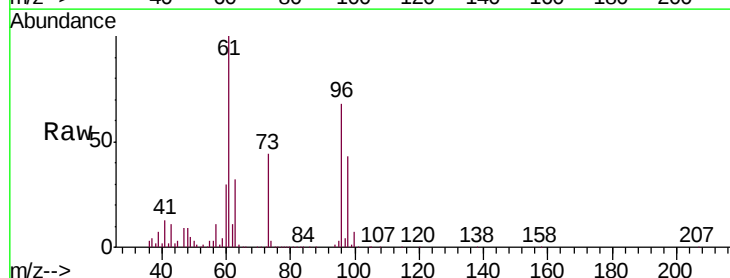
Tgt Ion: 96 Resp: 83351

Ion Ratio Lower Upper

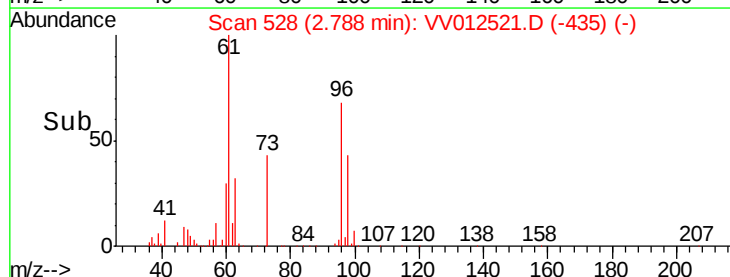
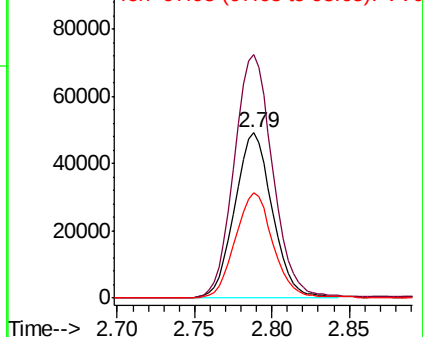
96 100

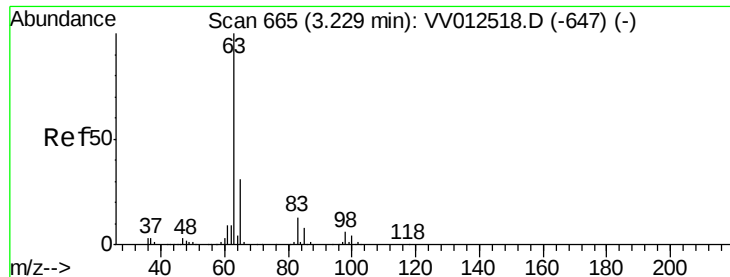
61 147.6 107.6 199.8

98 63.5 44.4 82.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

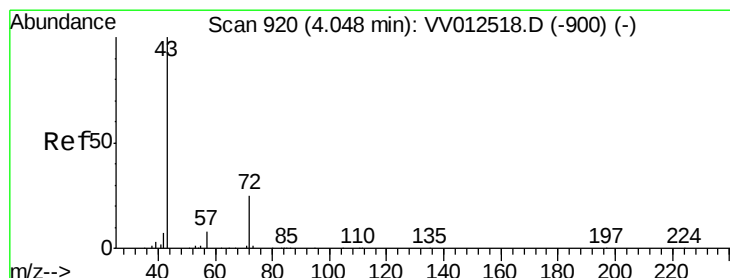
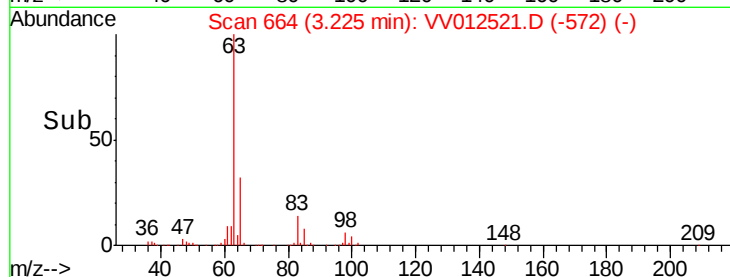
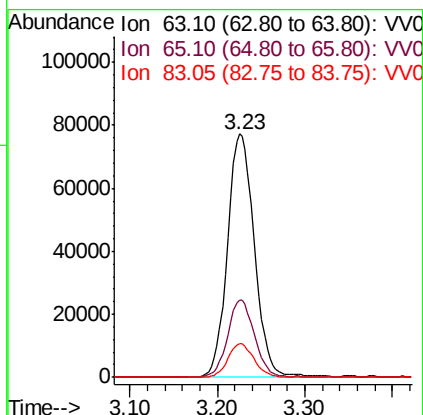
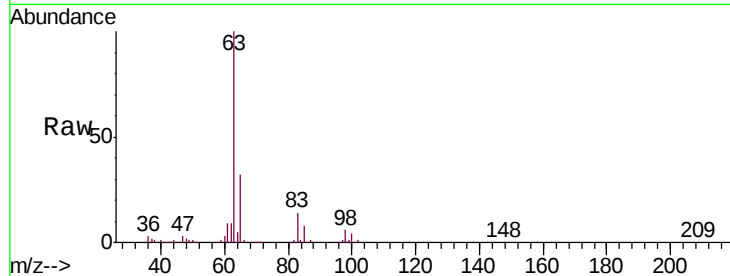




#19
 1,1-Dichloroethane
 Concen: 4.856 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV012521.D
 Acq: 02 Sep 2019 11:42

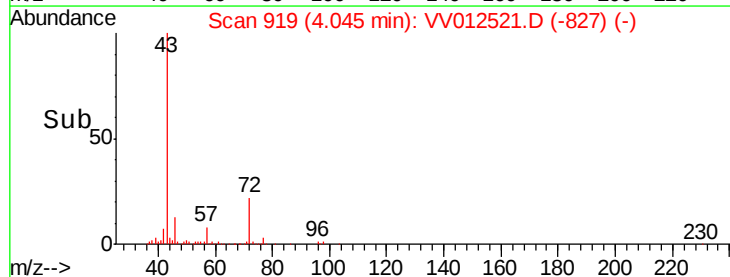
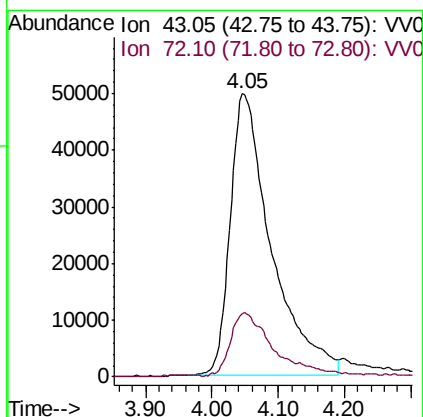
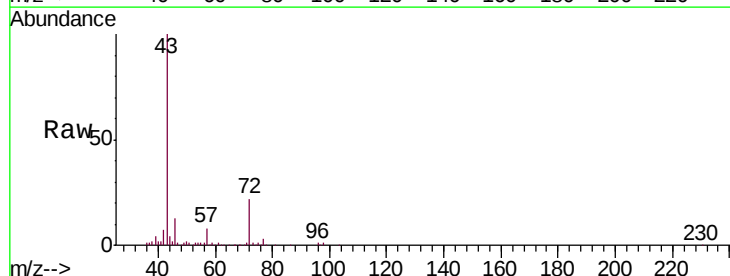
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

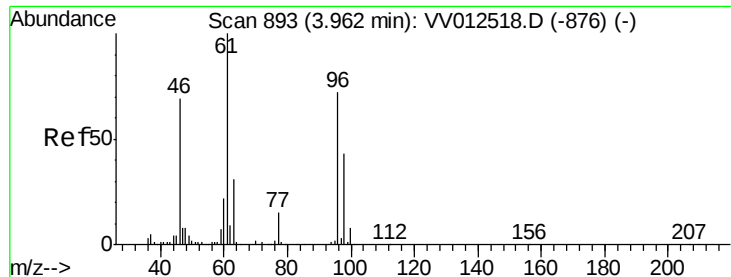
Tgt Ion: 63 Resp: 164272
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.5 39.9
 83 13.9 9.1 16.9



#21
 2-Butanone
 Concen: 50.076 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VV012521.D
 Acq: 02 Sep 2019 11:42

Tgt Ion: 43 Resp: 213861
 Ion Ratio Lower Upper
 43 100
 72 23.6 11.4 34.1



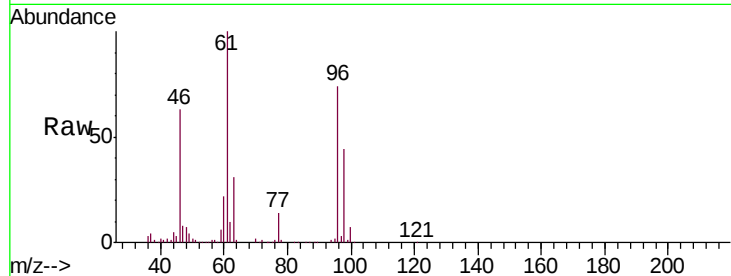


#22

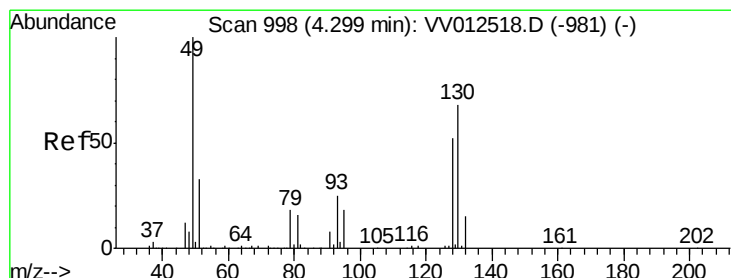
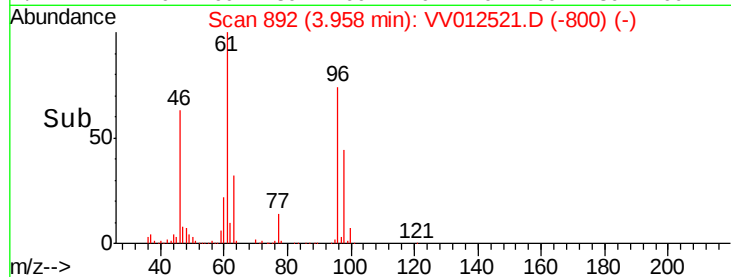
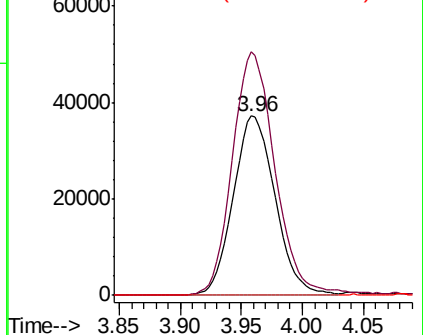
cis-1,2-Dichloroethene
 Concen: 4.889 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012521.D
 Acq: 02 Sep 2019 11:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

Tgt Ion: 96 Resp: 88825
 Ion Ratio Lower Upper
 96 100
 61 135.6 97.5 181.1
 68 0.0 0.0 0.0



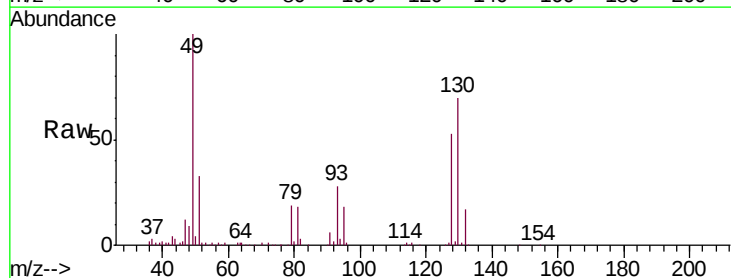
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



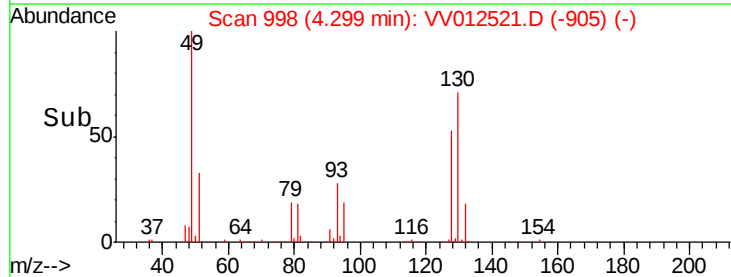
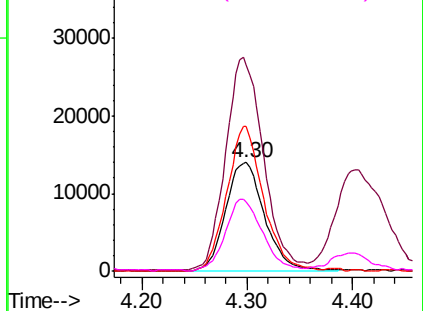
#23

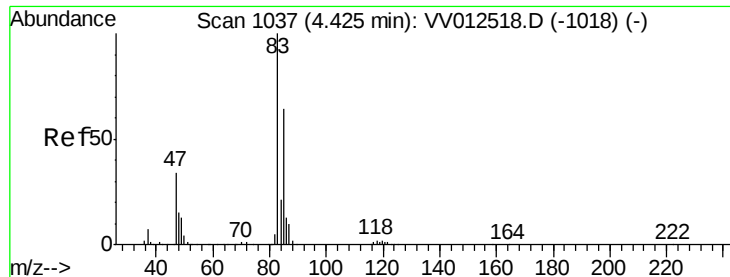
Bromochloromethane
 Concen: 4.953 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV012521.D
 Acq: 02 Sep 2019 11:42

Tgt Ion: 128 Resp: 35935
 Ion Ratio Lower Upper
 128 100
 49 190.0 136.5 253.5
 130 132.7 92.1 171.1
 51 63.4 52.5 78.7



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

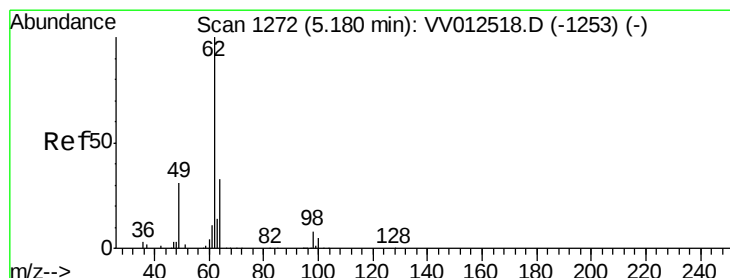
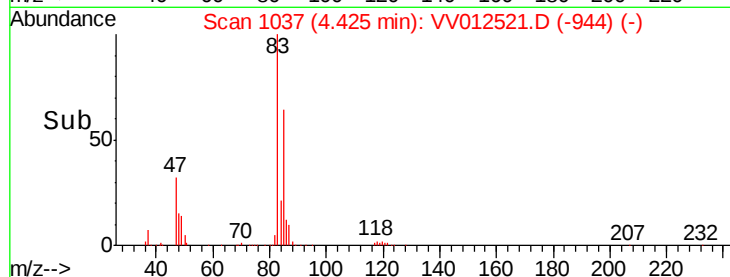
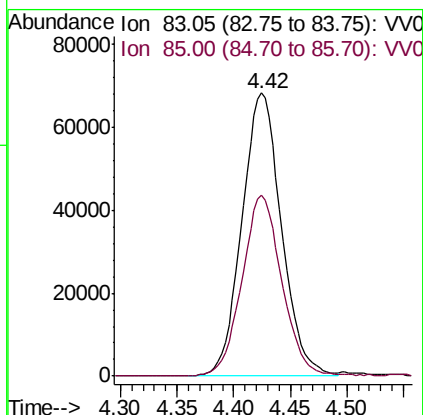
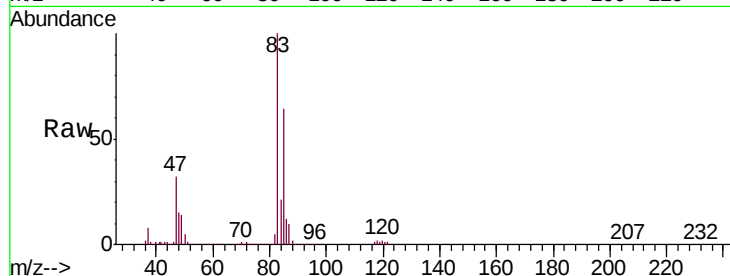




#25
Chloroform
Concen: 4.676 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012521.D
Acq: 02 Sep 2019 11:42

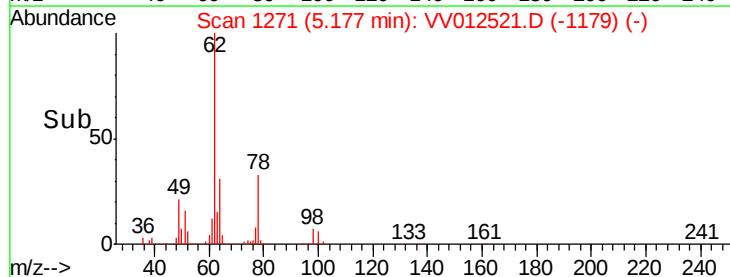
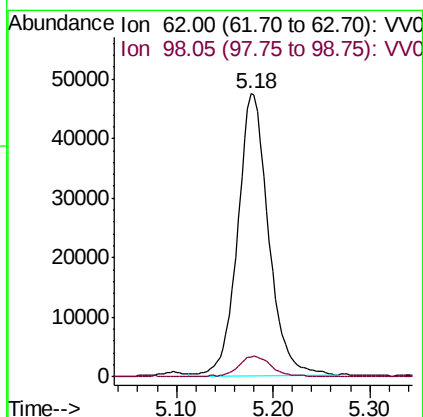
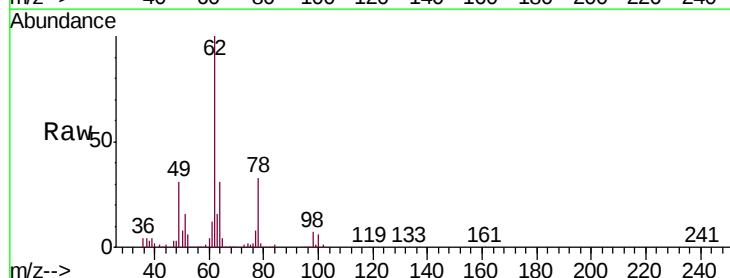
Instrument :
MSVOA_V
ClientSampleId :
VICV35

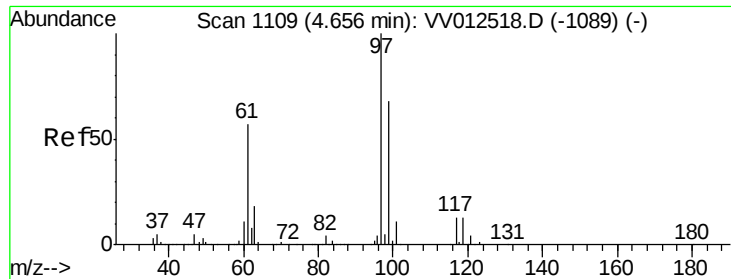
Tgt Ion: 83 Resp: 165798
Ion Ratio Lower Upper
83 100
85 64.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.081 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012521.D
Acq: 02 Sep 2019 11:42

Tgt Ion: 62 Resp: 104898
Ion Ratio Lower Upper
62 100
98 7.1 6.7 10.1

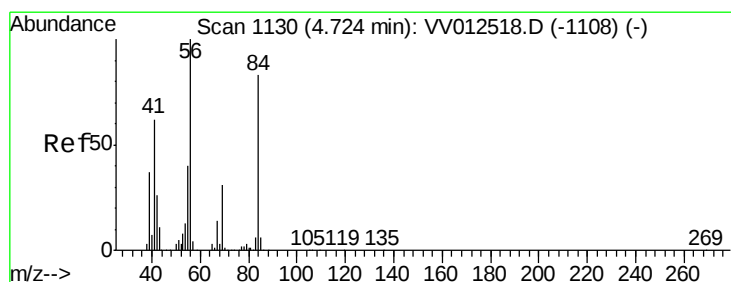
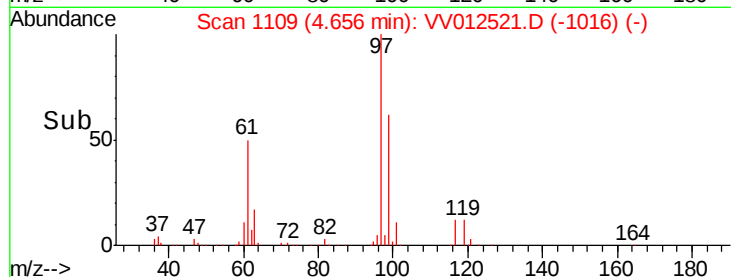
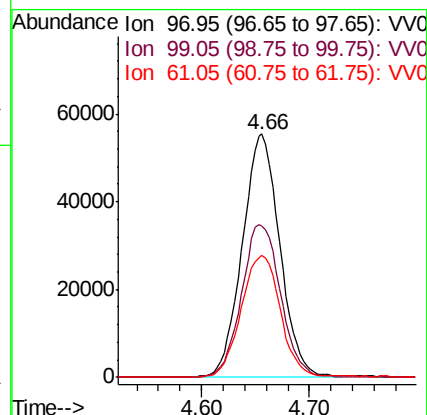
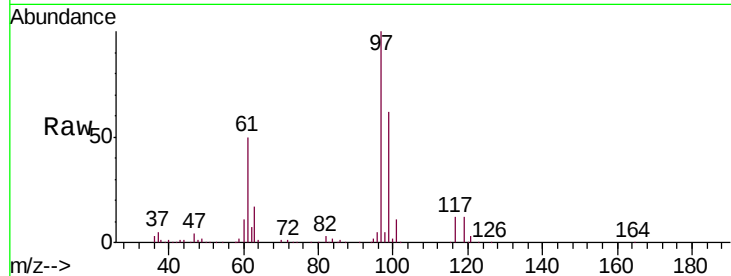




#29
 1,1,1-Trichloroethane
 Concen: 5.070 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012521.D
 Acq: 02 Sep 2019 11:42

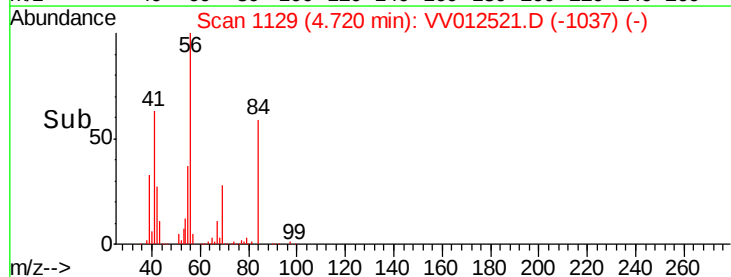
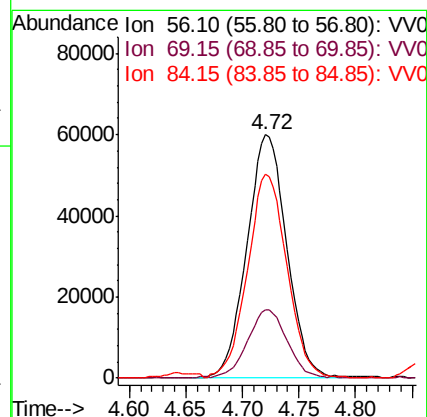
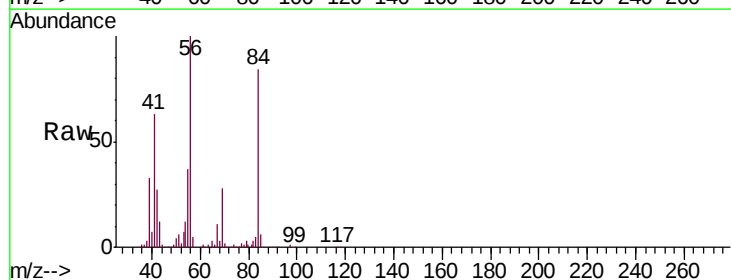
Instrument :
 MSVOA_V
 ClientSampled :
 VICV35

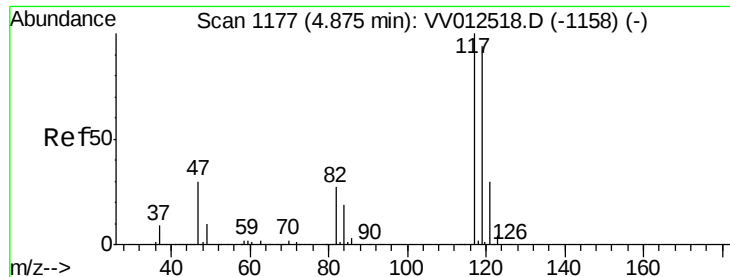
Tgt Ion: 97 Resp: 134093
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.6 79.0
 61 51.9 43.4 65.2



#30
 Cyclohexane
 Concen: 5.377 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV012521.D
 Acq: 02 Sep 2019 11:42

Tgt Ion: 56 Resp: 146729
 Ion Ratio Lower Upper
 56 100
 69 28.0 23.5 35.3
 84 83.2 67.1 100.7



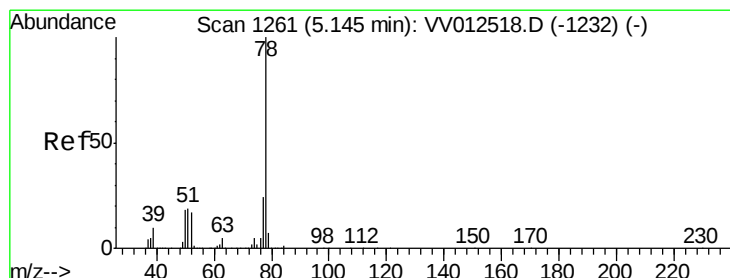
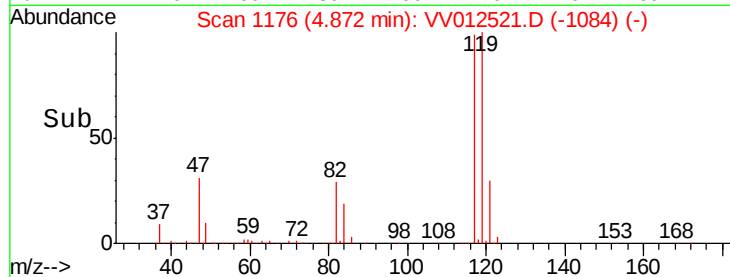
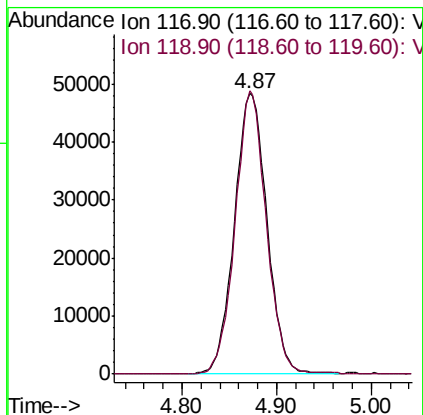
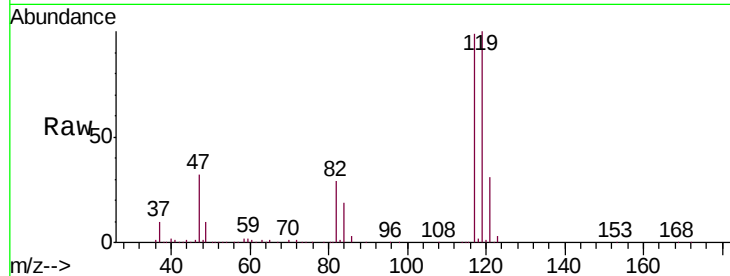


#31

Carbon tetrachloride
 Concen: 5.032 ug/L
 RT: 4.87 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VV012521.D
 Acq: 02 Sep 2019 11:42

Instrument :
 MSVOA_V
 ClientSampled :
 VICV35

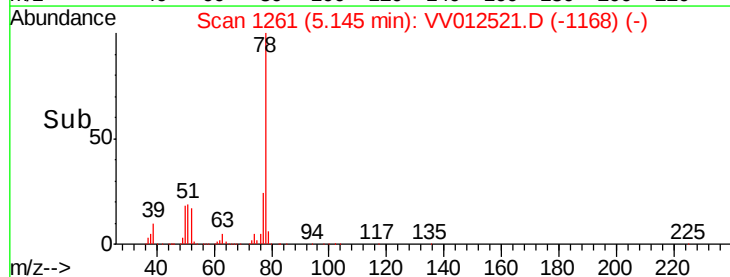
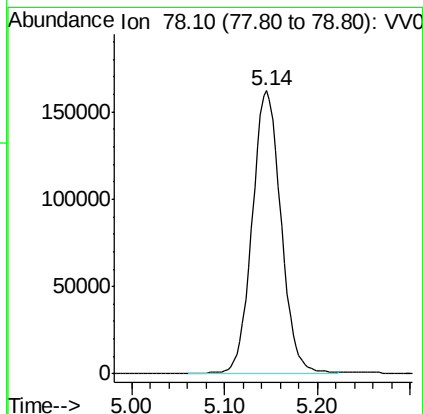
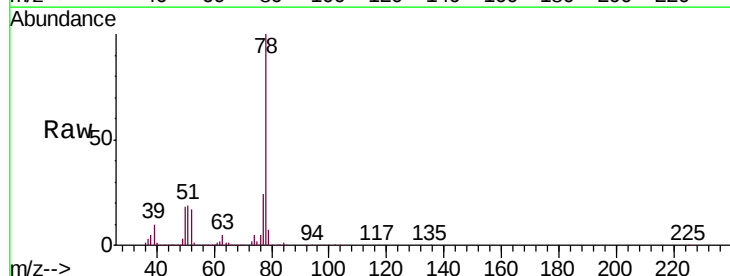
Tgt Ion:117 Resp: 115701
 Ion Ratio Lower Upper
 117 100
 119 96.1 76.5 114.7

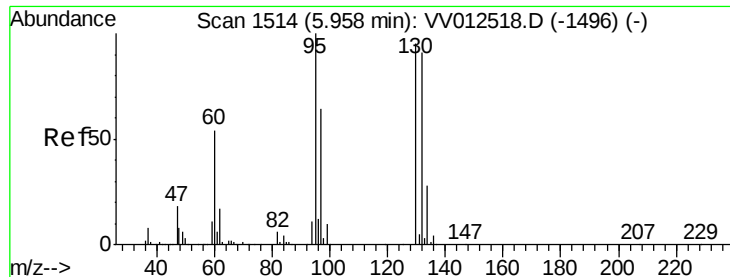


#33

Benzene
 Concen: 5.354 ug/L
 RT: 5.14 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VV012521.D
 Acq: 02 Sep 2019 11:42

Tgt Ion: 78 Resp: 350878

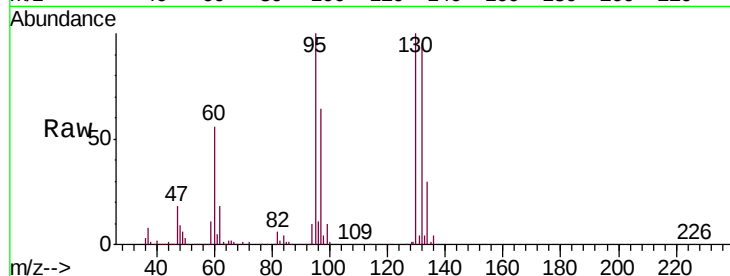




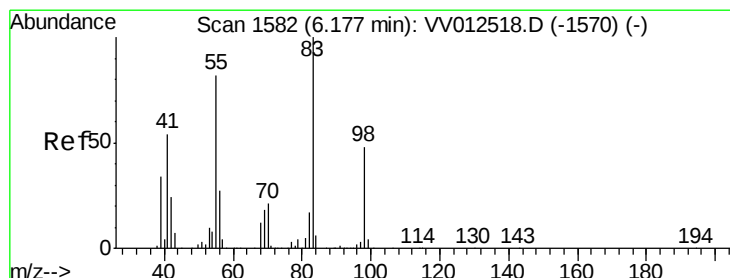
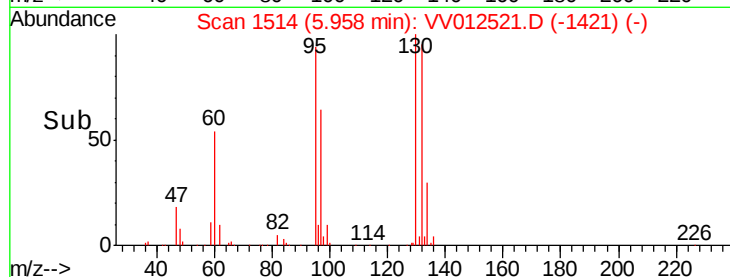
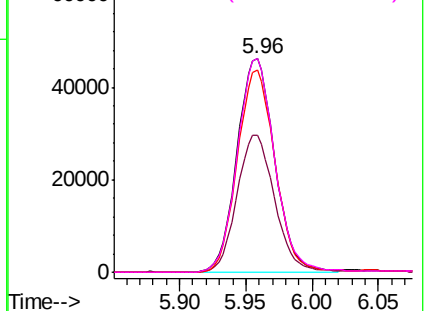
#34
 Trichloroethene
 Concen: 5.023 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012521.D
 Acq: 02 Sep 2019 11:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

Tgt Ion: 95 Resp: 91208
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.7 83.1
 132 94.9 63.8 118.4
 130 100.2 66.6 123.6

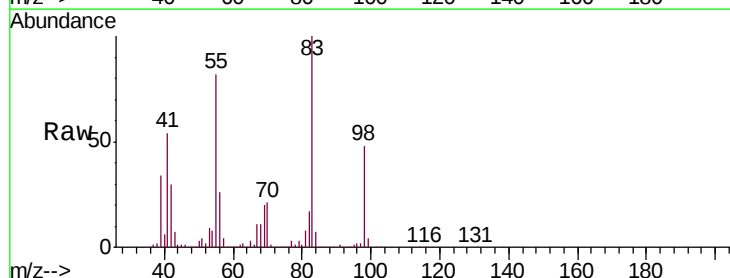


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

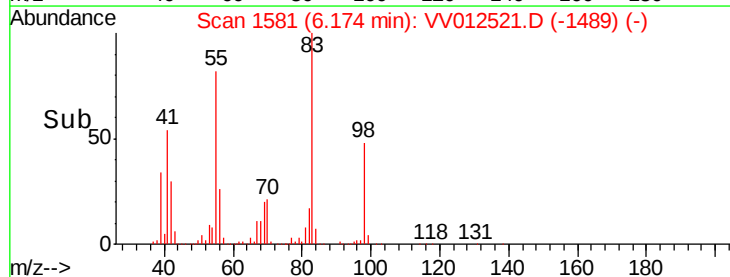
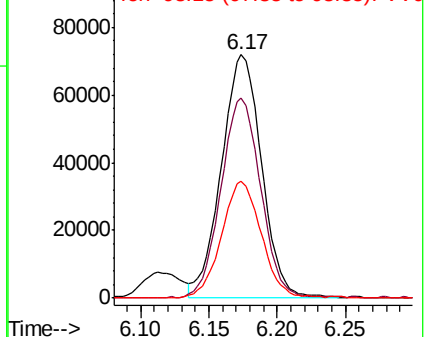


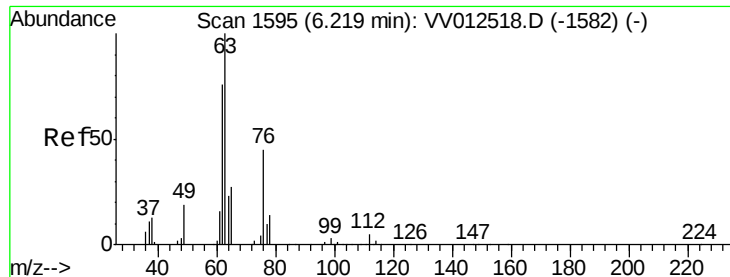
#35
 Methylcyclohexane
 Concen: 5.350 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012521.D
 Acq: 02 Sep 2019 11:42

Tgt Ion: 83 Resp: 147642
 Ion Ratio Lower Upper
 83 100
 55 80.7 67.3 100.9
 98 47.5 37.4 56.2



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: 5.010 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

Instrument :

MSVOA_V

ClientSampled :

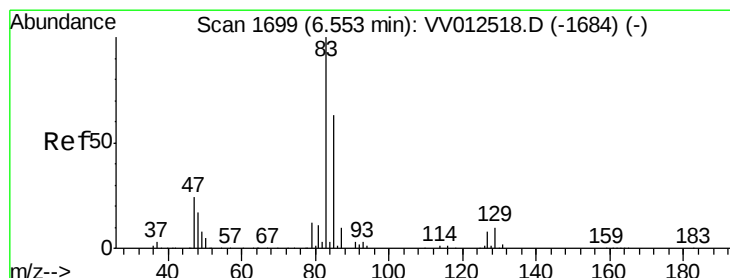
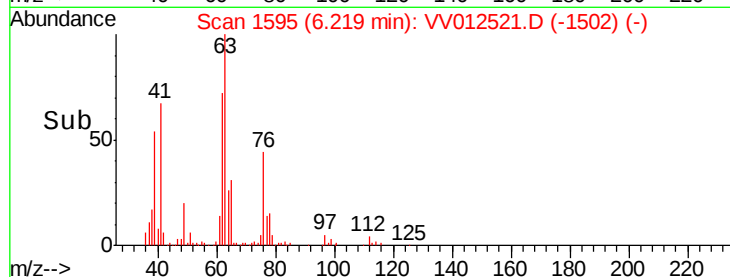
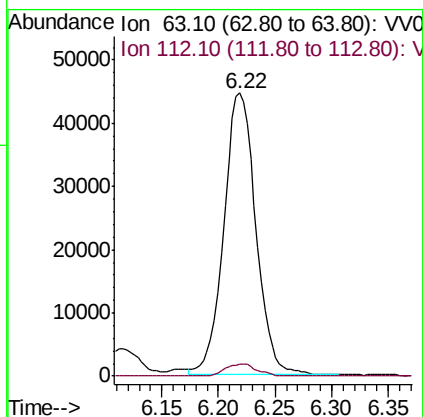
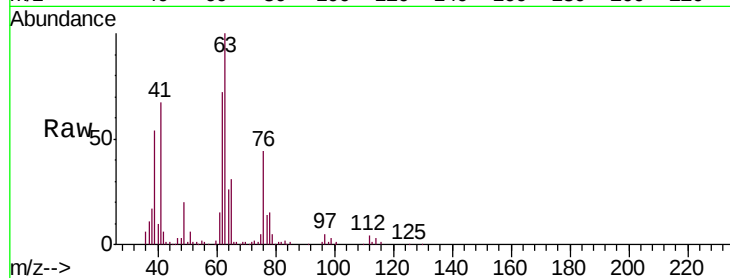
VICV35

Tgt Ion: 63 Resp: 87860

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



#38

Bromodichloromethane

Concen: 5.144 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

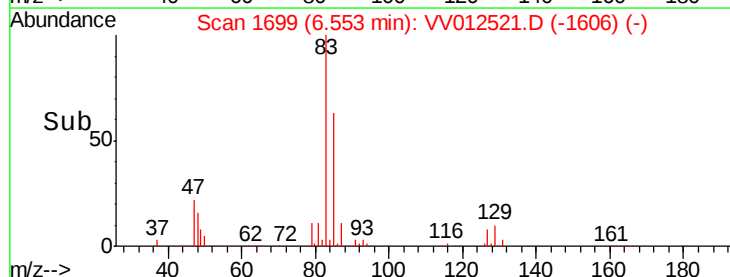
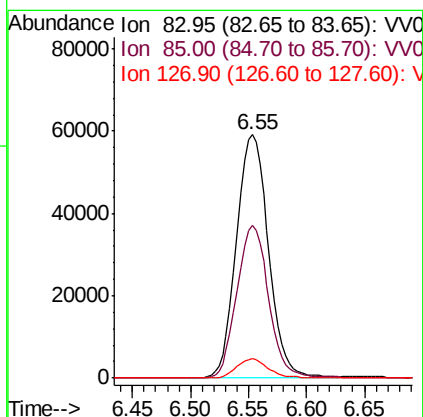
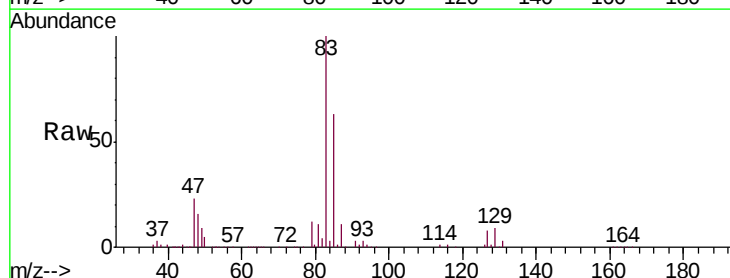
Tgt Ion: 83 Resp: 114053

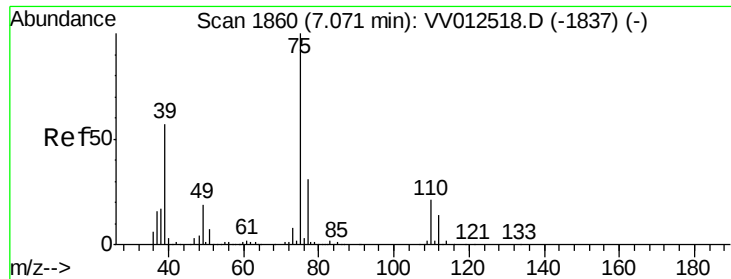
Ion Ratio Lower Upper

83 100

85 62.8 44.2 82.0

127 7.9 6.2 9.2

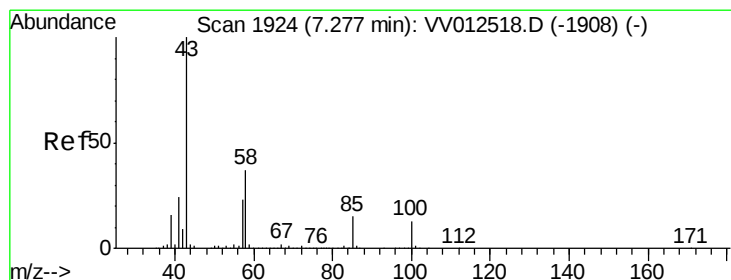
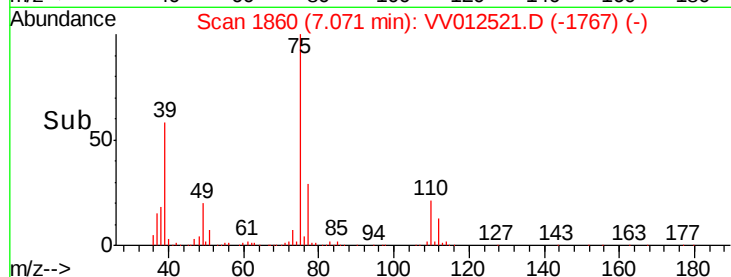
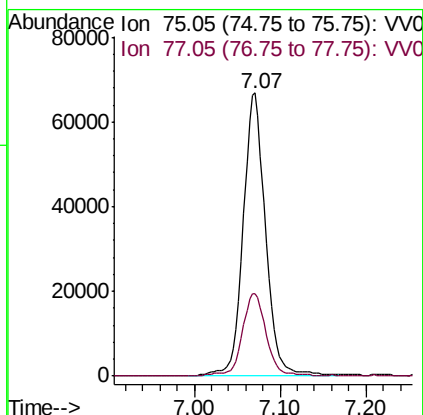
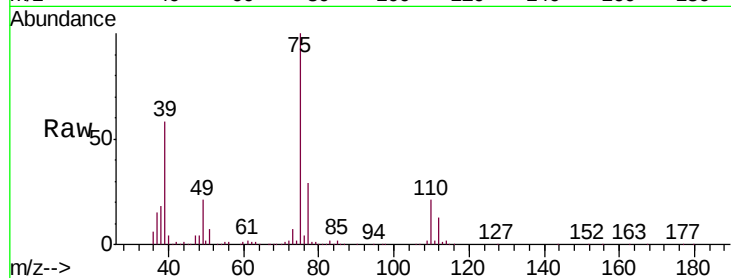




#39
 cis-1,3-Dichloropropene
 Concen: 5.329 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012521.D
 Acq: 02 Sep 2019 11:42

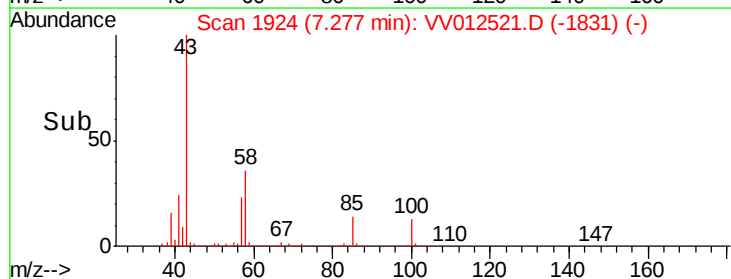
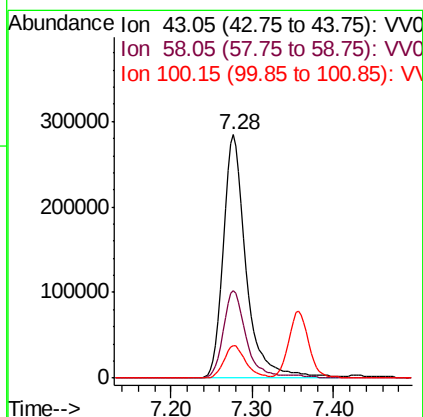
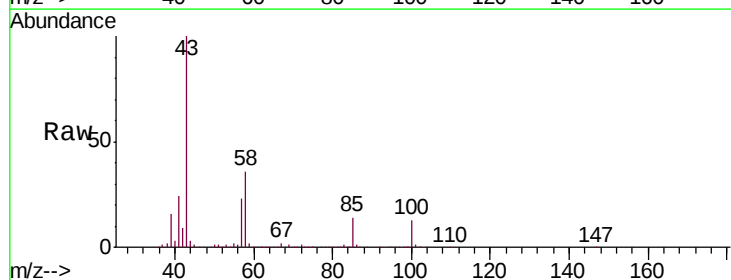
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

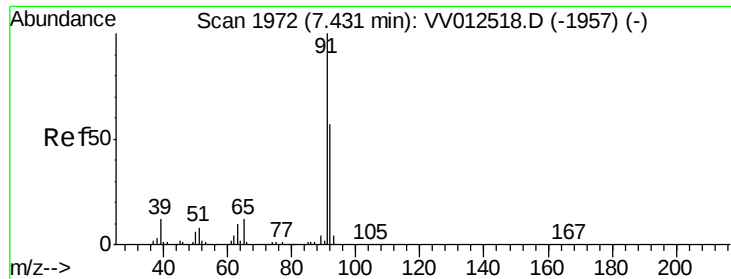
Tgt Ion: 75 Resp: 121528
 Ion Ratio Lower Upper
 75 100
 77 29.2 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 55.276 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012521.D
 Acq: 02 Sep 2019 11:42

Tgt Ion: 43 Resp: 563171
 Ion Ratio Lower Upper
 43 100
 58 35.6 28.2 42.2
 100 13.0 9.9 14.9





#42

Toluene

Concen: 5.344 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

Instrument :

MSVOA_V

ClientSampleId :

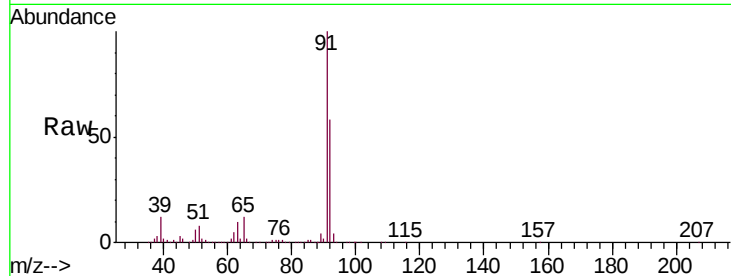
VICV35

Tgt Ion: 91 Resp: 380678

Ion Ratio Lower Upper

91 100

92 57.6 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VV012518.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV012518.D (-1957) (-)

7.43

250000

200000

150000

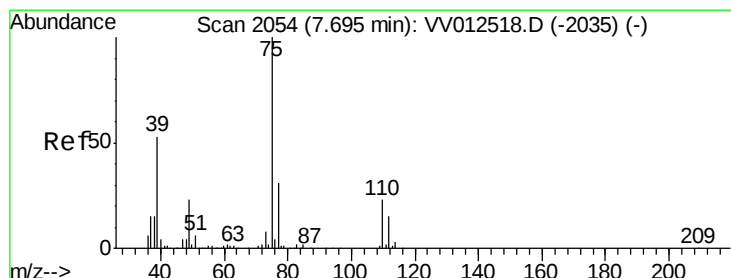
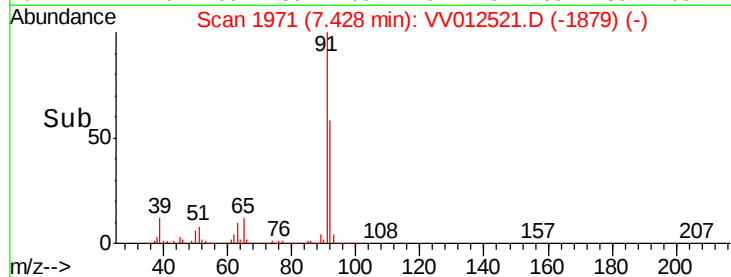
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.272 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012521.D

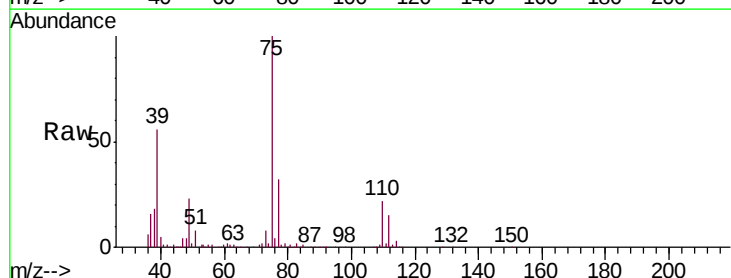
Acq: 02 Sep 2019 11:42

Tgt Ion: 75 Resp: 95275

Ion Ratio Lower Upper

75 100

77 32.1 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV012518.D (-2035) (-)

Ion 77.05 (76.75 to 77.75): VV012518.D (-2035) (-)

7.69

60000

50000

40000

30000

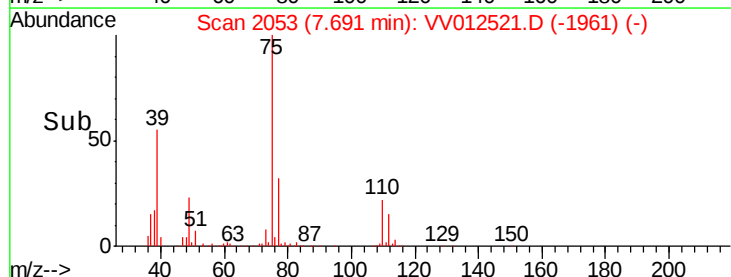
20000

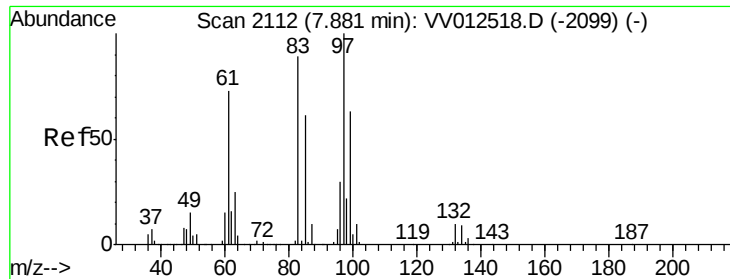
10000

0

7.60 7.65 7.70 7.75 7.80

Time-->

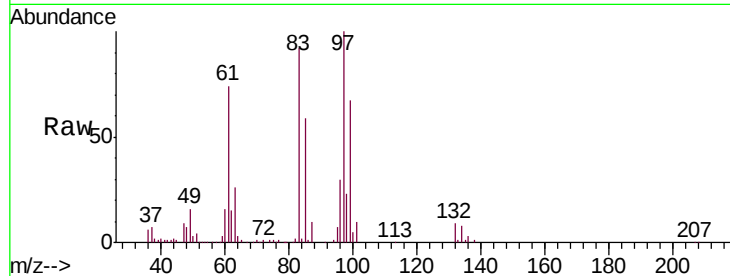




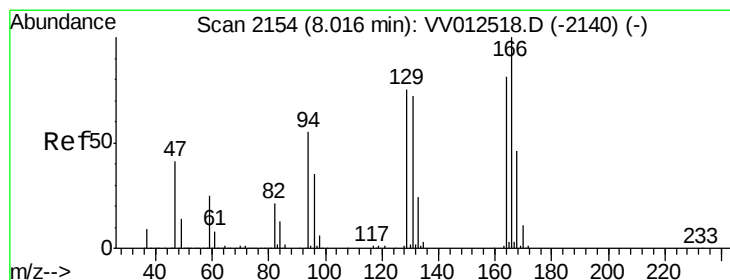
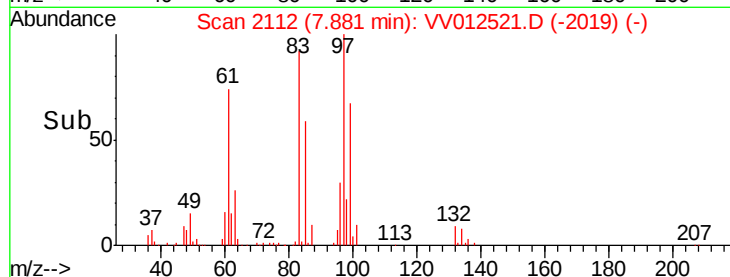
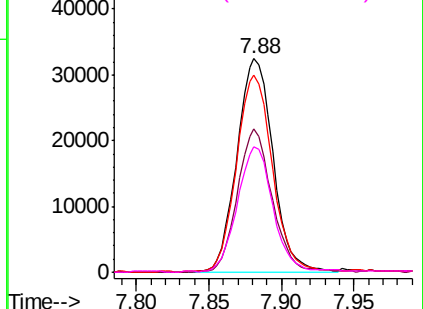
#45
 1,1,2-Trichloroethane
 Concen: 5.084 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012521.D
 Acq: 02 Sep 2019 11:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

Tgt Ion:	97	Resp:	56373
Ion	Ratio	Lower	Upper
97	100		
99	67.2	44.1	81.9
83	92.4	62.7	116.5
85	58.9	42.6	79.0

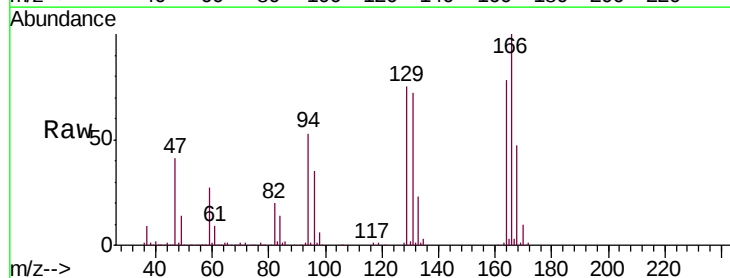


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

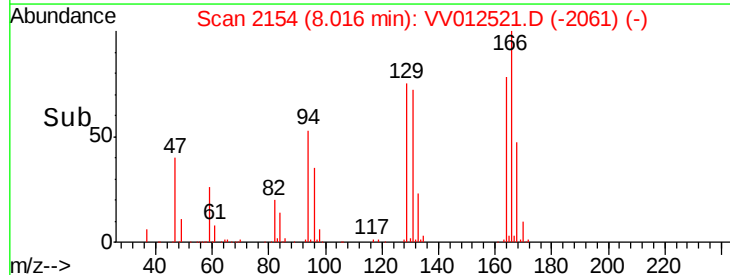
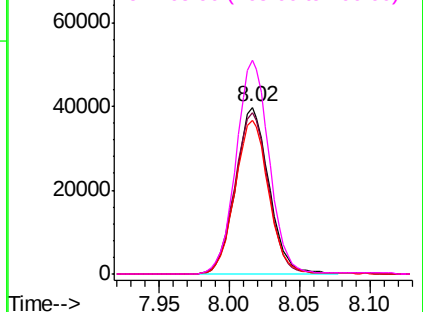


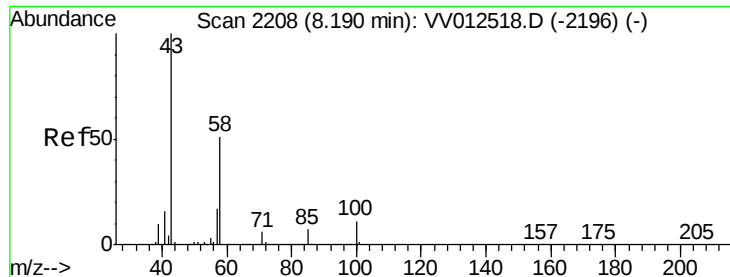
#47
 Tetrachloroethene
 Concen: 5.037 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012521.D
 Acq: 02 Sep 2019 11:42

Tgt Ion:	164	Resp:	66083
Ion	Ratio	Lower	Upper
164	100		
129	96.6	64.5	119.9
131	92.6	62.3	115.7
166	128.2	86.5	160.6



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

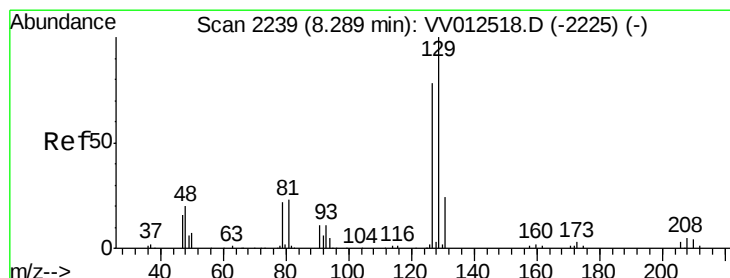
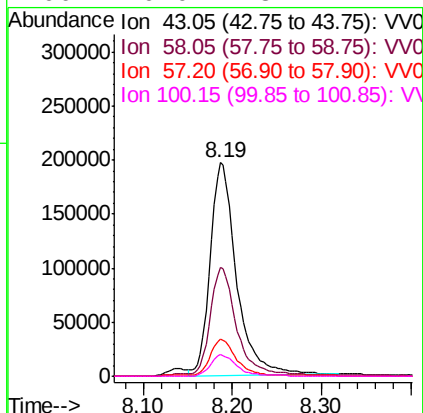
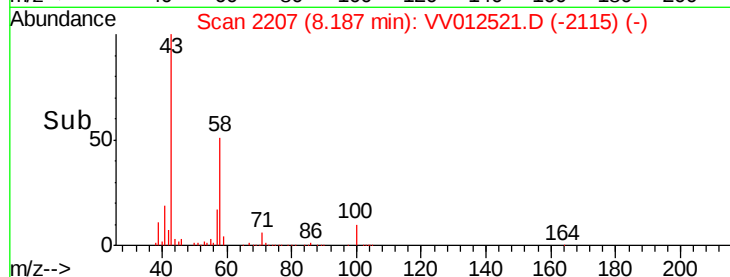
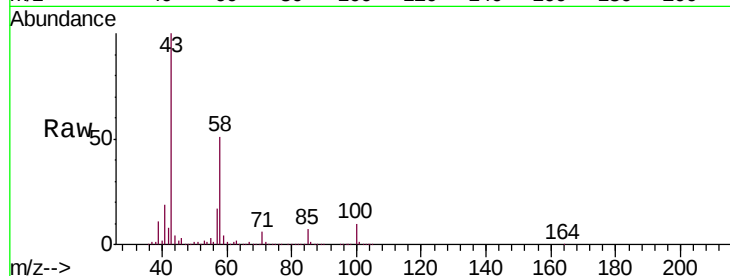




#48
2-Hexanone
Concen: 56.319 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012521.D
Acq: 02 Sep 2019 11:42

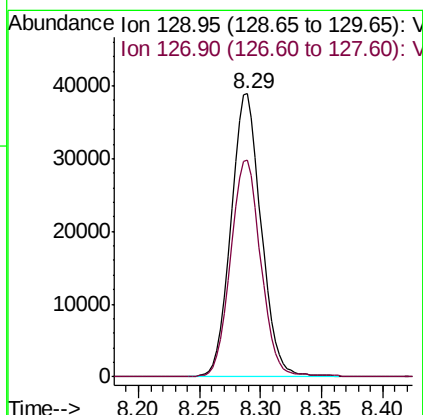
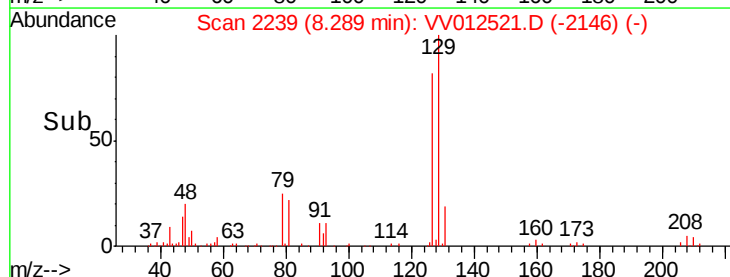
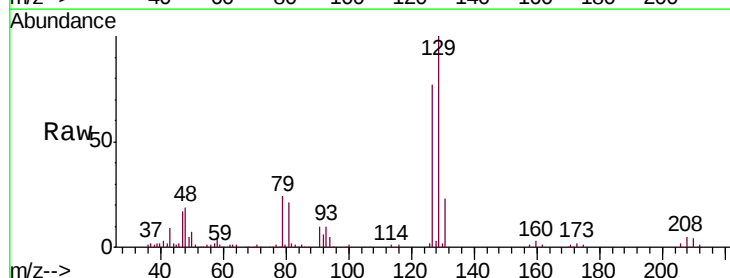
Instrument :
MSVOA_V
ClientSampleId :
VICV35

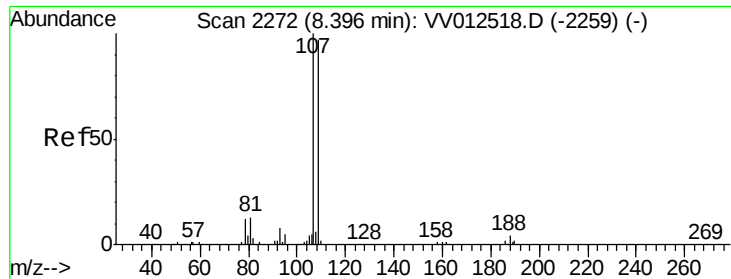
Tgt Ion:	43	Resp:	402126
Ion	Ratio	Lower	Upper
43	100		
58	53.0	40.0	60.0
57	17.0	13.4	20.2
100	10.0	8.2	12.2



#49
Dibromochloromethane
Concen: 5.207 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012521.D
Acq: 02 Sep 2019 11:42

Tgt Ion:	129	Resp:	67212
Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.9	102.1

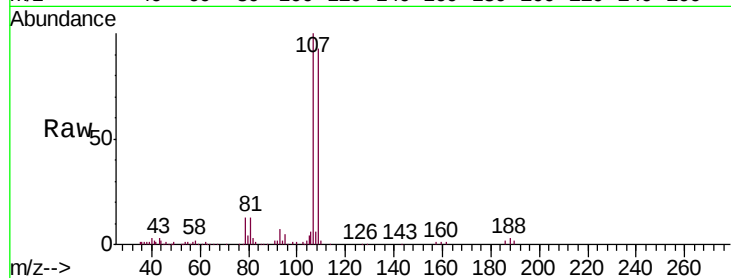




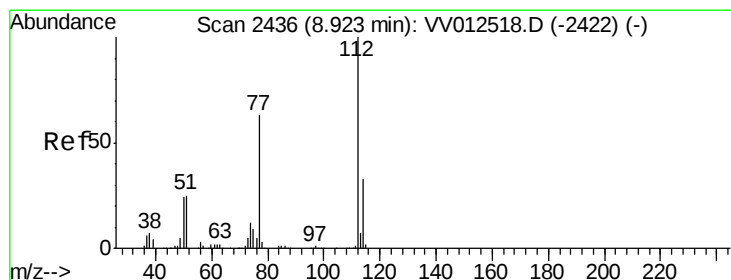
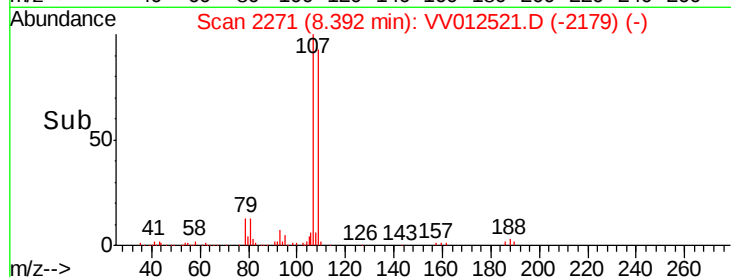
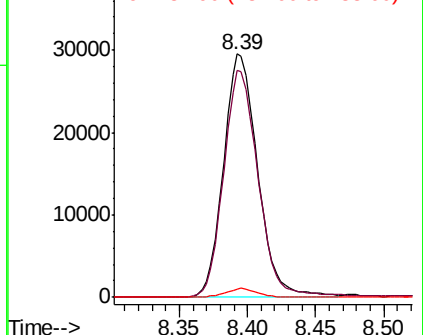
#50
 1,2-Dibromoethane
 Concen: 5.213 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VV012521.D
 Acq: 02 Sep 2019 11:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.1	67.8	125.8
188	3.4	3.2	4.8

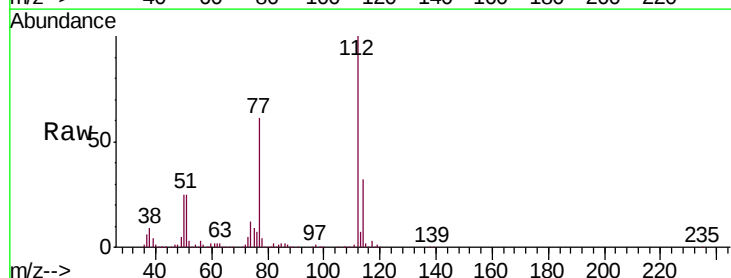


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

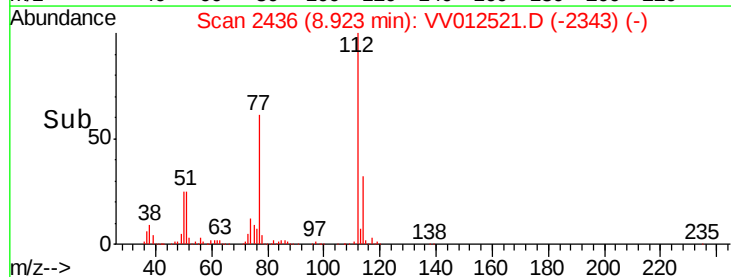
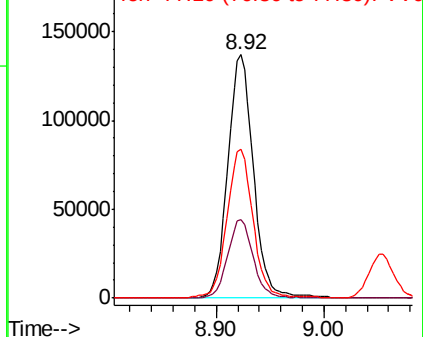


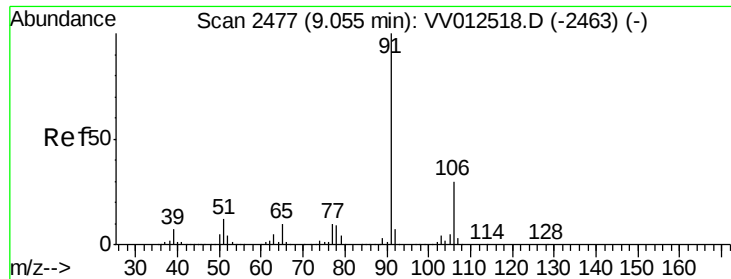
#51
 Chlorobenzene
 Concen: 5.087 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012521.D
 Acq: 02 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	23.0	42.6
77	61.0	50.4	75.6



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.337 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

Instrument :

MSVOA_V

ClientSampleId :

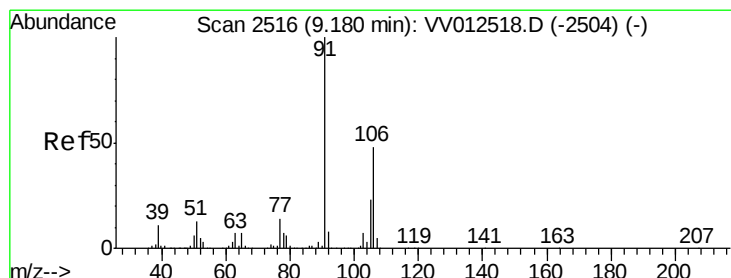
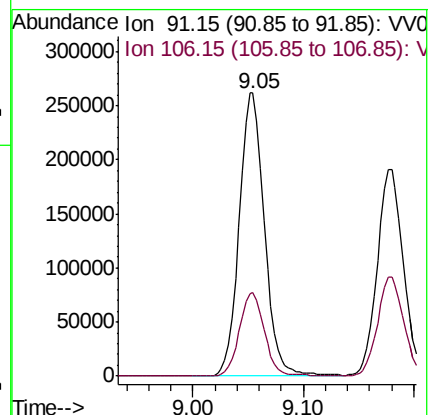
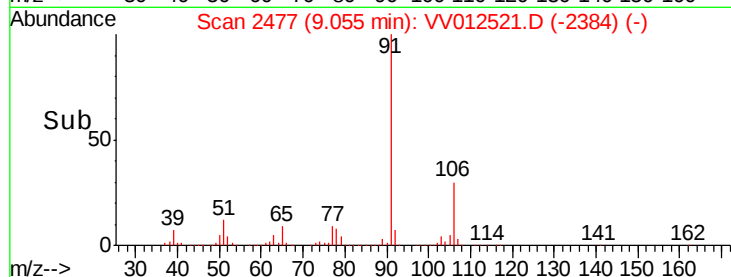
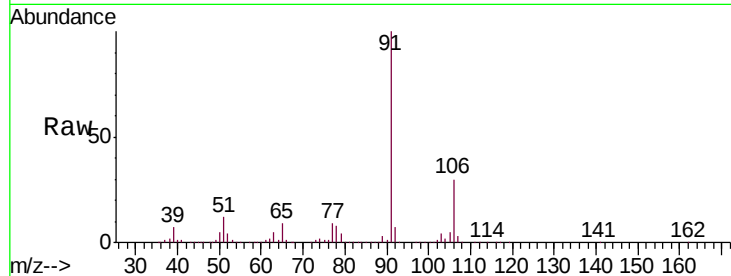
VICV35

Tgt Ion: 91 Resp: 414771

Ion Ratio Lower Upper

91 100

106 29.5 21.1 39.3



#53

m,p-xylene

Concen: 5.388 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012521.D

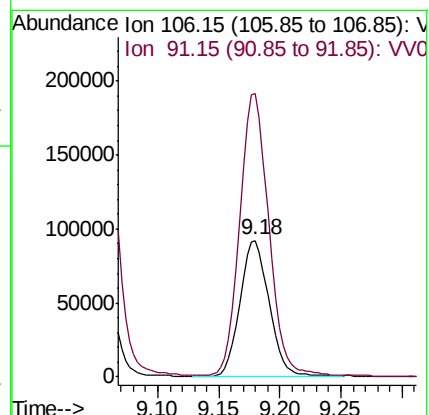
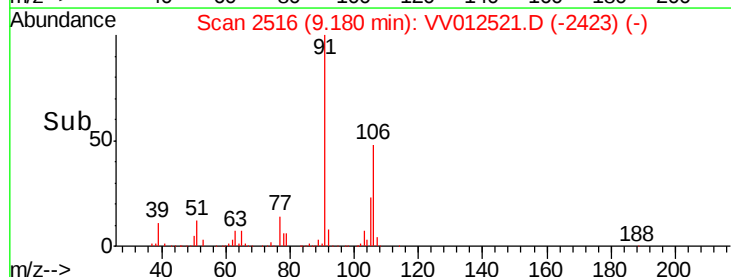
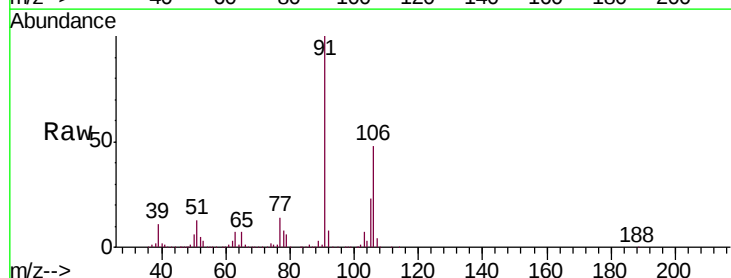
Acq: 02 Sep 2019 11:42

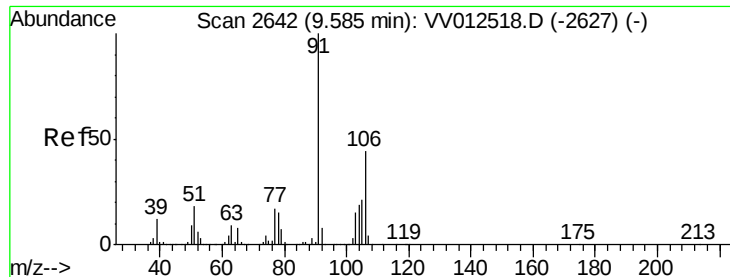
Tgt Ion: 106 Resp: 151838

Ion Ratio Lower Upper

106 100

91 207.7 145.8 270.8

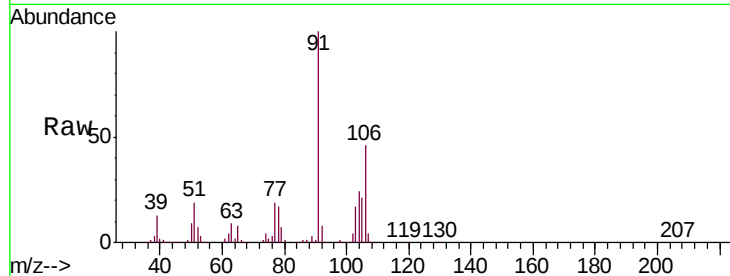




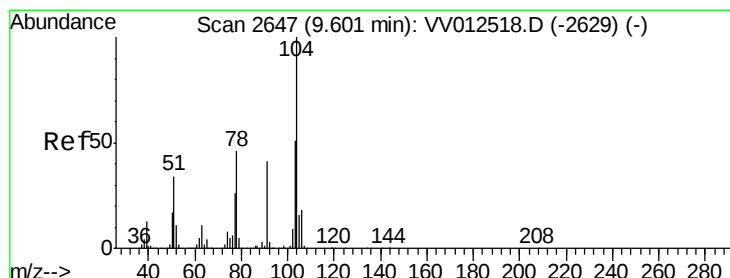
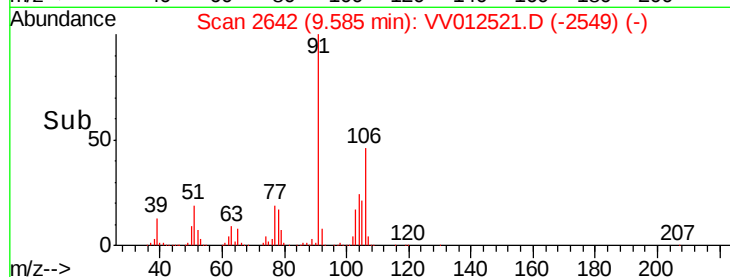
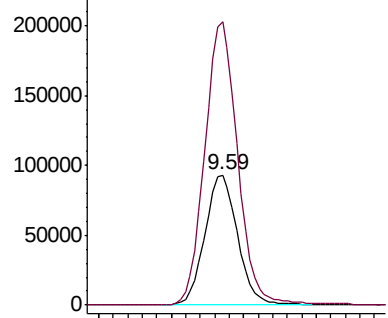
#54
o-xylene
Concen: 5.459 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012521.D
Acq: 02 Sep 2019 11:42

Instrument :
MSVOA_V
ClientSampleId :
VICV35

Tgt Ion:106 Resp: 145176
Ion Ratio Lower Upper
106 100
91 218.0 159.5 296.3

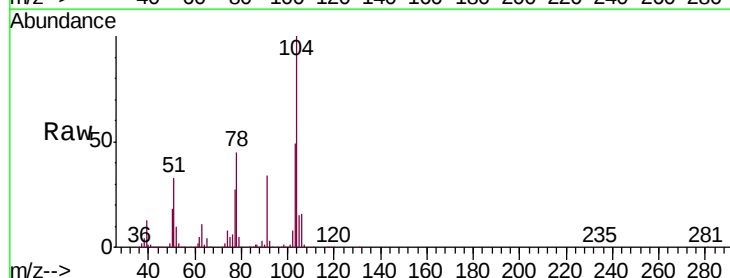


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

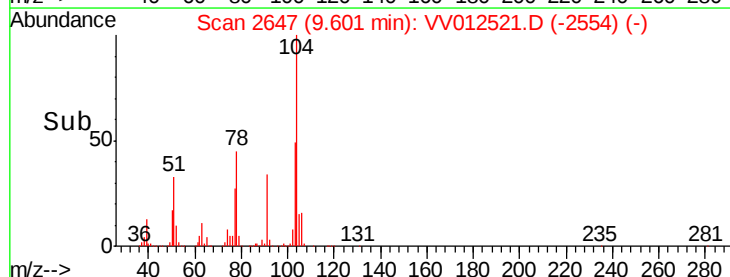
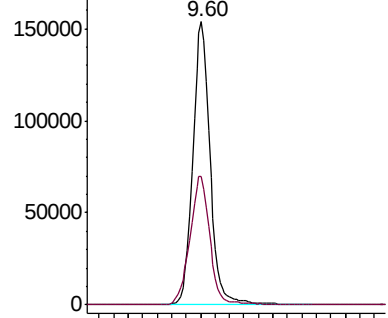


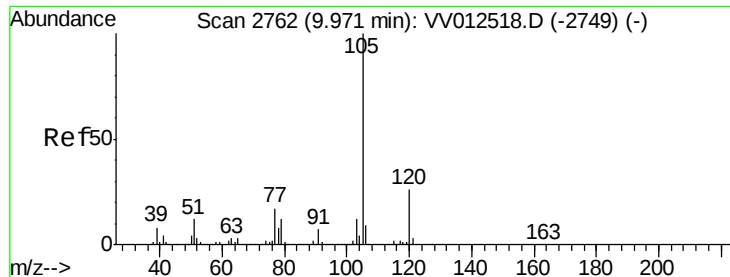
#55
Styrene
Concen: 5.613 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012521.D
Acq: 02 Sep 2019 11:42

Tgt Ion:104 Resp: 253955
Ion Ratio Lower Upper
104 100
78 45.2 32.3 60.1



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





#56

Isopropylbenzene

Concen: 5.470 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

Instrument :

MSVOA_V

ClientSampleId :

VICV35

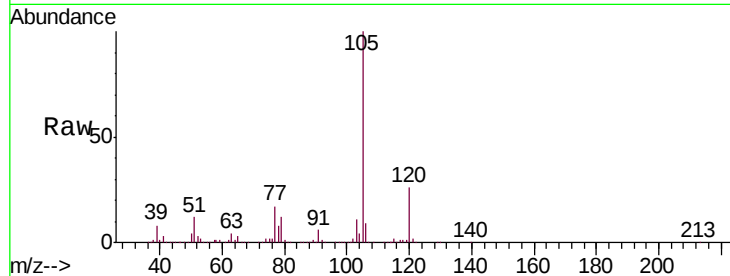
Tgt Ion: 105 Resp: 402591

Ion Ratio Lower Upper

105 100

120 25.6 20.9 31.3

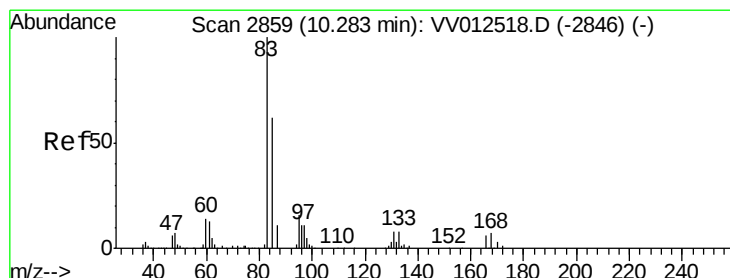
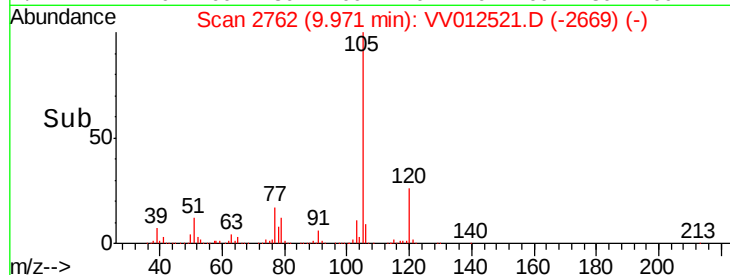
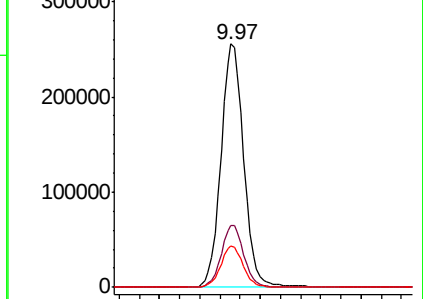
77 17.0 13.5 20.3



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: 5.097 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

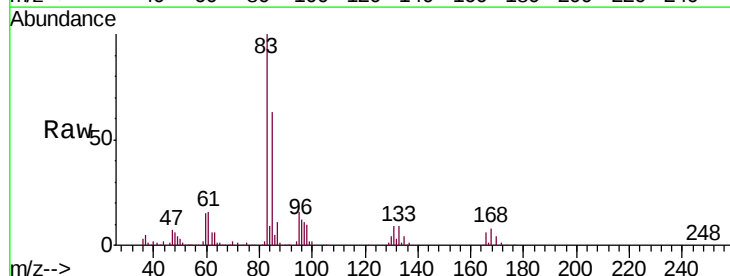
Tgt Ion: 83 Resp: 63585

Ion Ratio Lower Upper

83 100

85 63.4 43.8 81.4

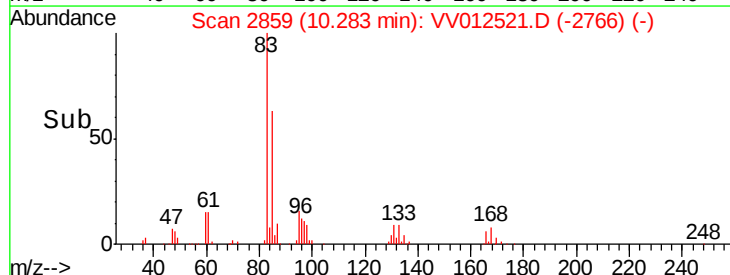
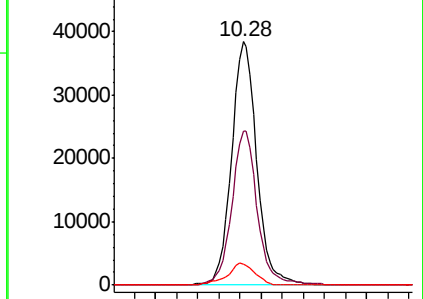
131 8.8 6.6 10.0

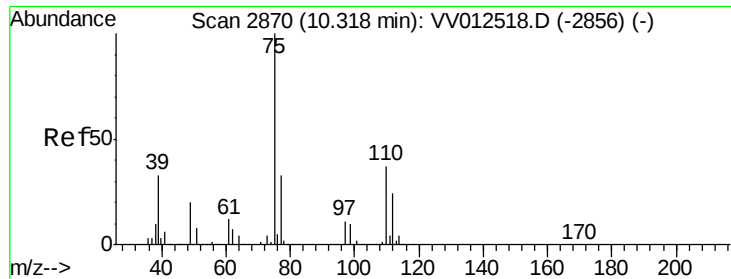


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.127 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

Instrument :

MSVOA_V

ClientSampleId :

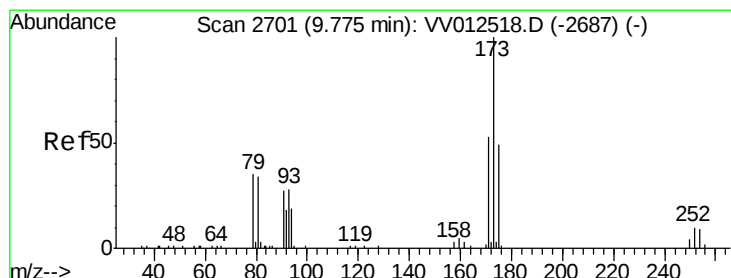
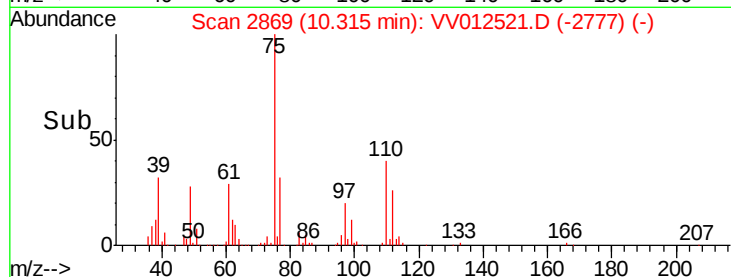
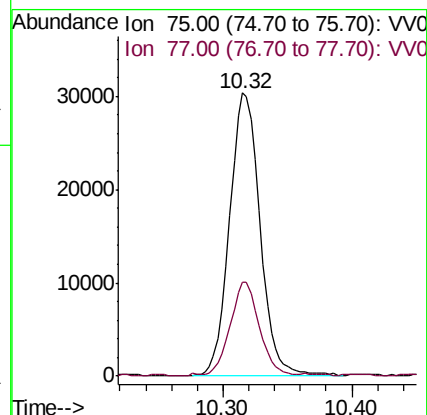
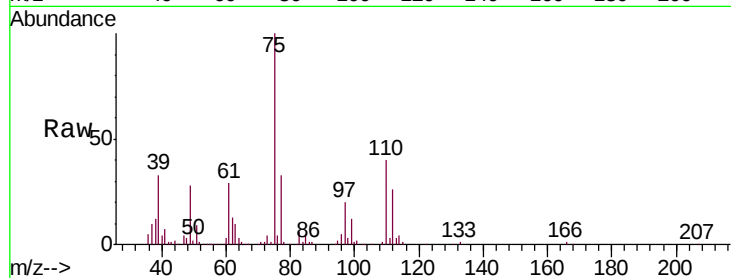
VICV35

Tgt Ion: 75 Resp: 50107

Ion Ratio Lower Upper

75 100

77 30.7 26.7 40.1



#61

Bromoform

Concen: 5.136 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

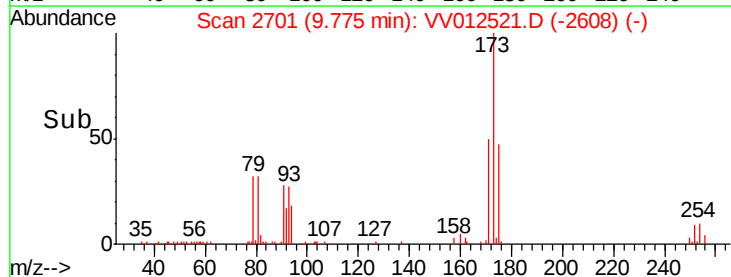
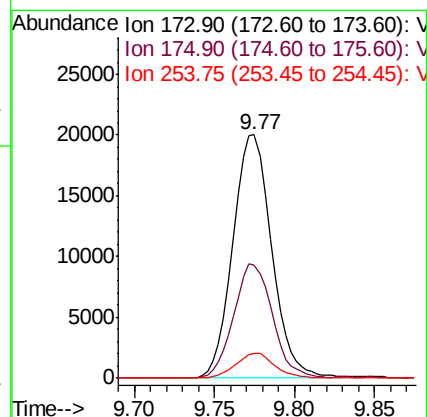
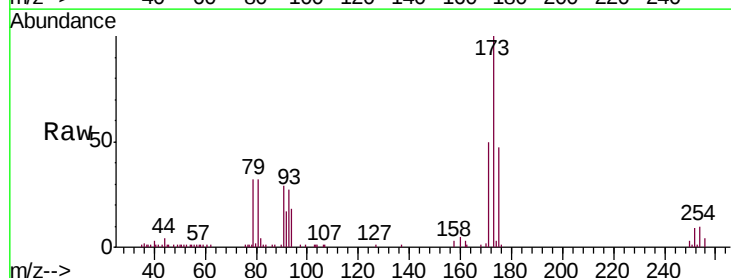
Tgt Ion: 173 Resp: 33157

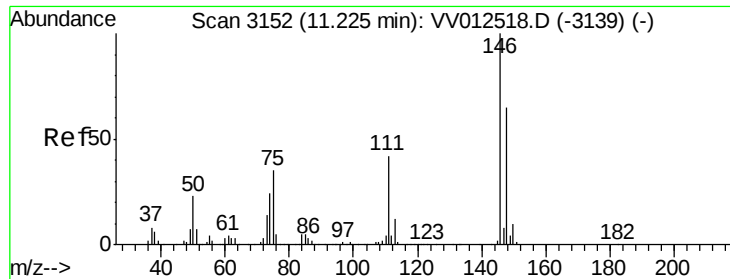
Ion Ratio Lower Upper

173 100

175 46.9 39.1 58.7

254 10.2 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 5.160 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

Instrument :

MSVOA_V

ClientSampled :

VICV35

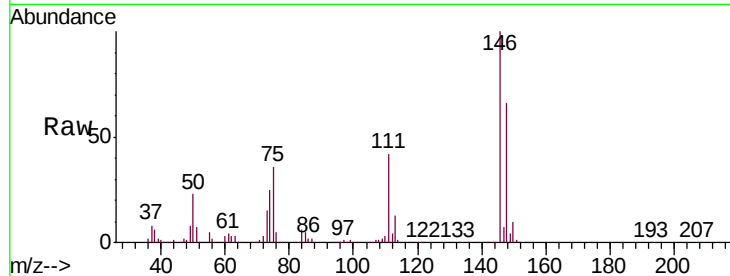
Tgt Ion:146 Resp: 176959

Ion Ratio Lower Upper

146 100

111 41.9 29.7 55.1

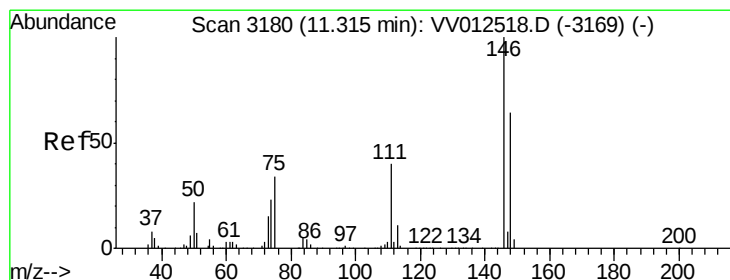
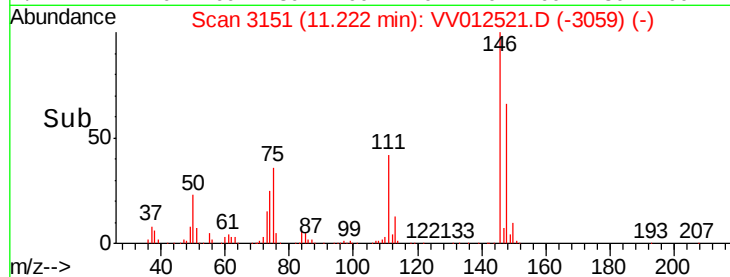
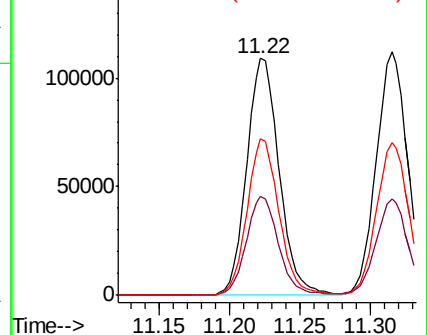
148 65.9 45.7 84.9



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: 5.010 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

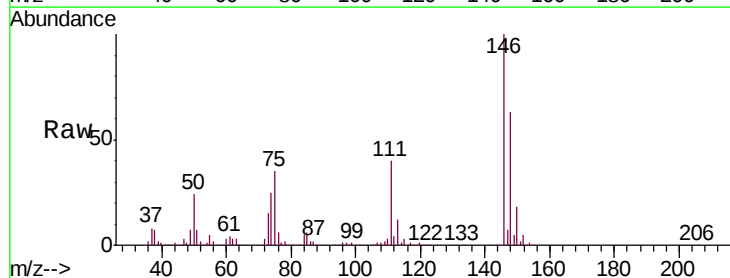
Tgt Ion:146 Resp: 176862

Ion Ratio Lower Upper

146 100

111 39.6 27.9 51.7

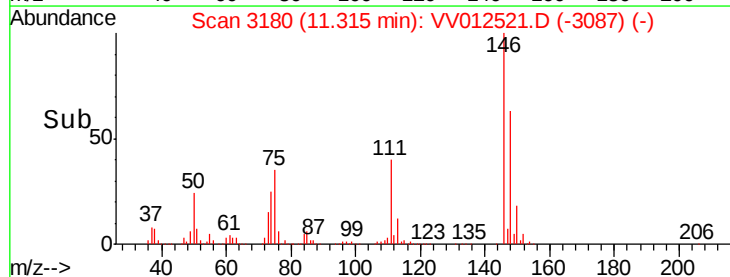
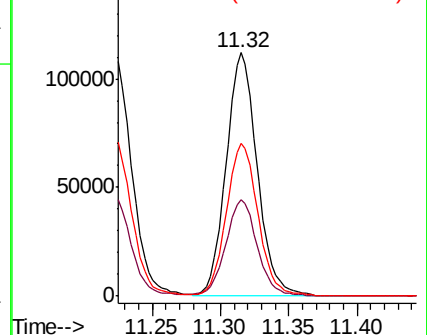
148 62.9 44.9 83.3

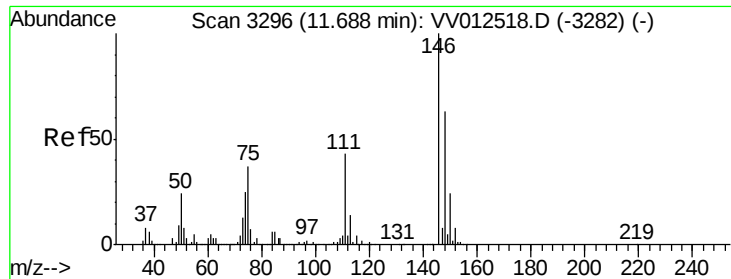


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.175 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

Instrument :

MSVOA_V

ClientSampleId :

VICV35

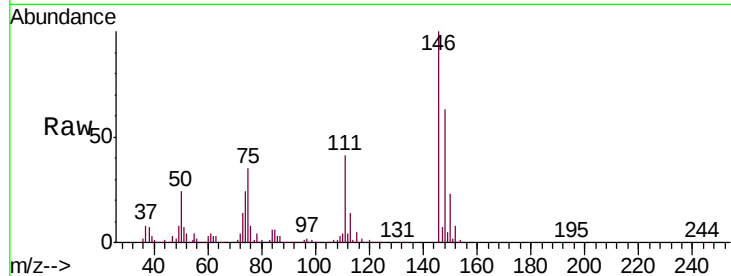
Tgt Ion:146 Resp: 162639

Ion Ratio Lower Upper

146 100

111 41.0 34.2 51.2

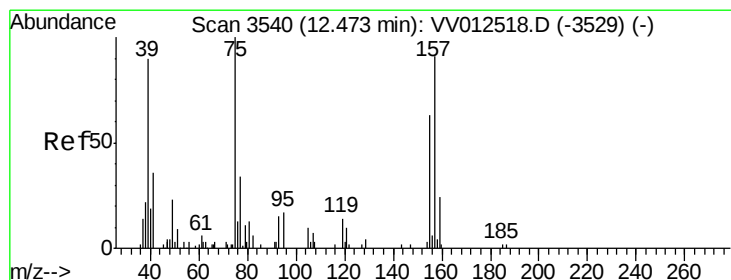
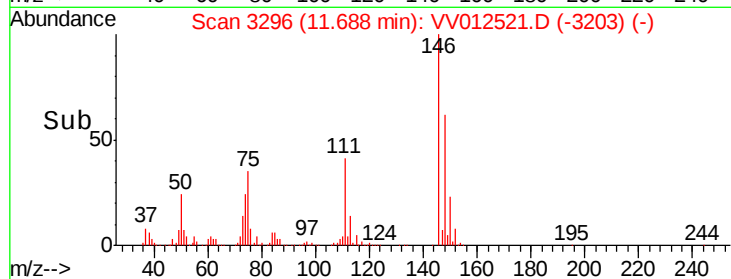
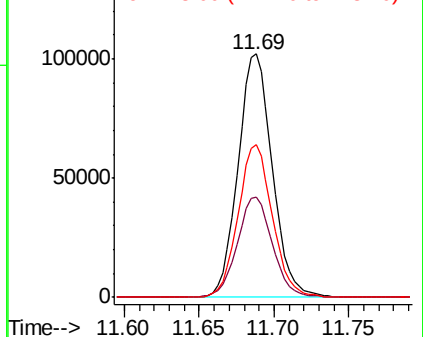
148 62.6 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.693 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

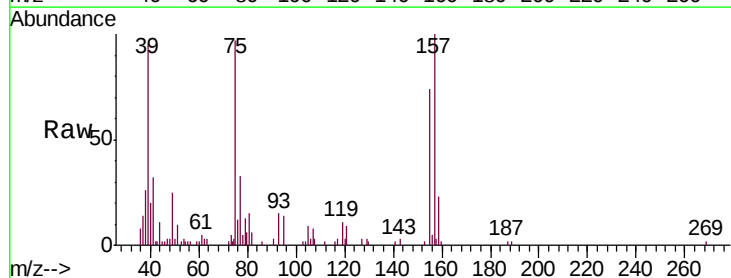
Tgt Ion: 75 Resp: 9943

Ion Ratio Lower Upper

75 100

155 76.5 50.6 75.8#

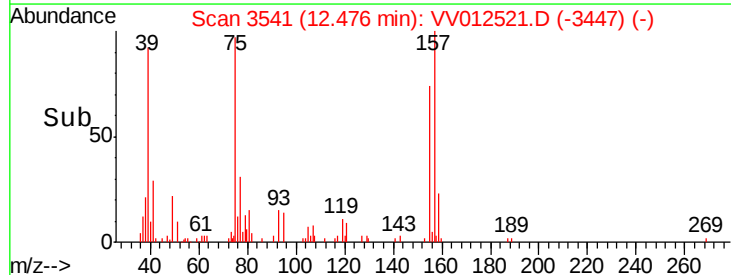
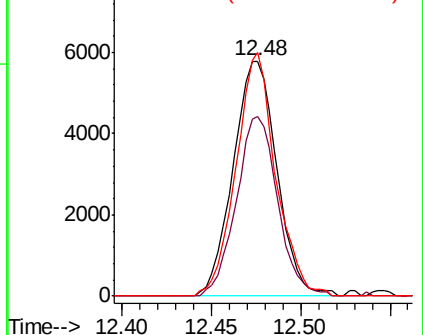
157 103.6 72.6 109.0

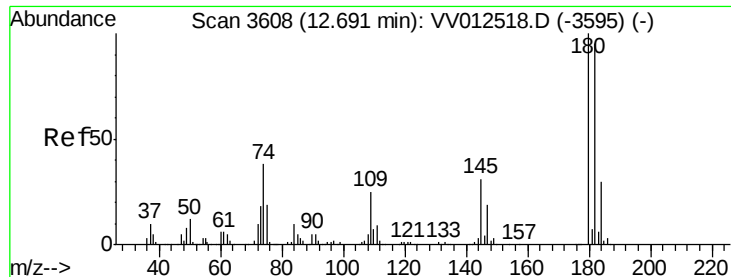


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 5.045 ug/L

RT: 12.69 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

Instrument :

MSVOA_V

ClientSampleId :

VICV35

Tgt Ion:180 Resp: 127869

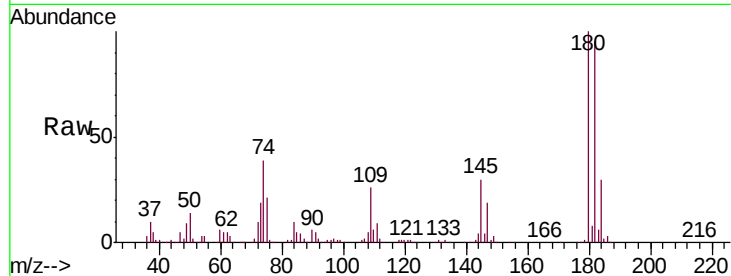
Ion Ratio Lower Upper

180 100

182 95.8 74.4 111.6

184 30.1 23.4 35.0

145 30.6 24.0 36.0

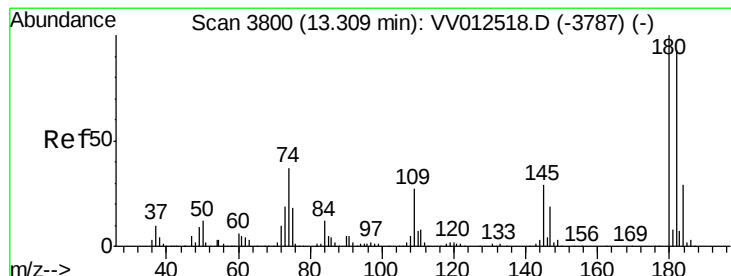
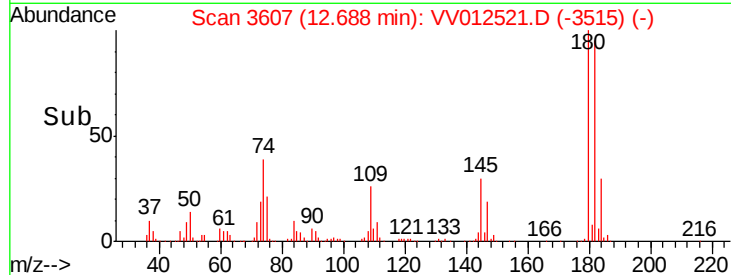
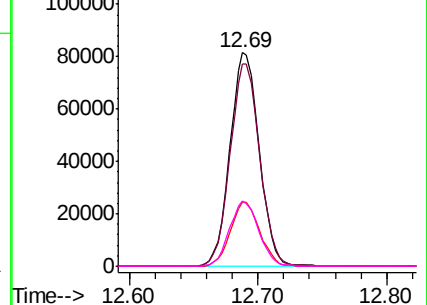


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 5.559 ug/L

RT: 13.31 min Scan# 3799

Delta R.T. -0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

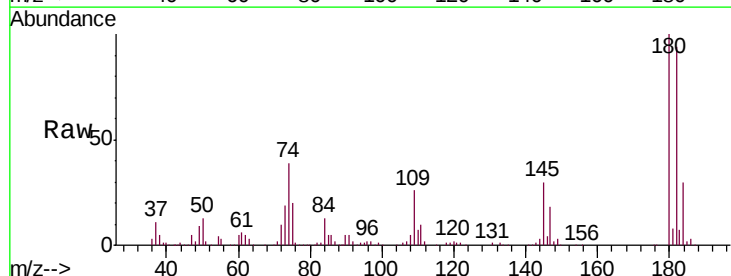
Tgt Ion:180 Resp: 101491

Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.6

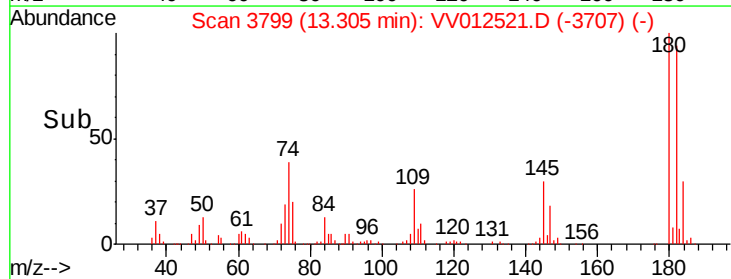
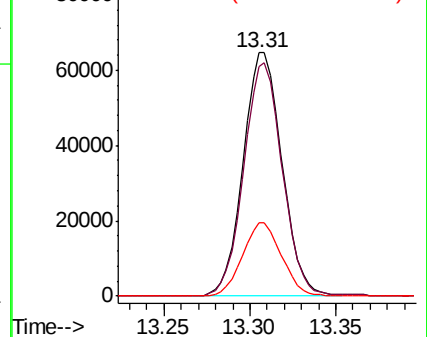
145 30.3 23.8 35.8

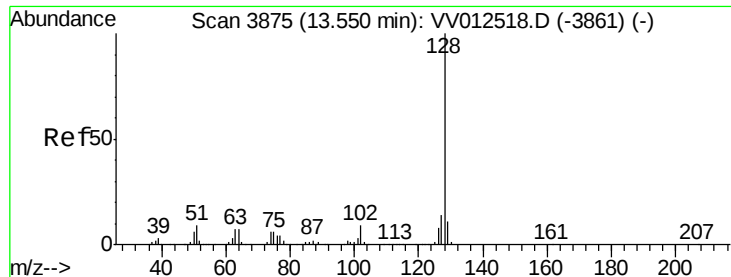


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.957 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

Instrument :

MSVOA_V

ClientSampleId :

VICV35

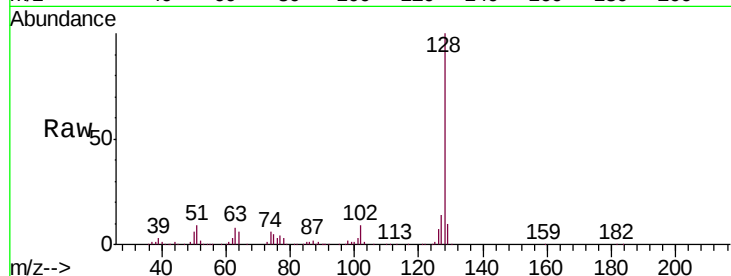
Tgt Ion:128 Resp: 161249

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

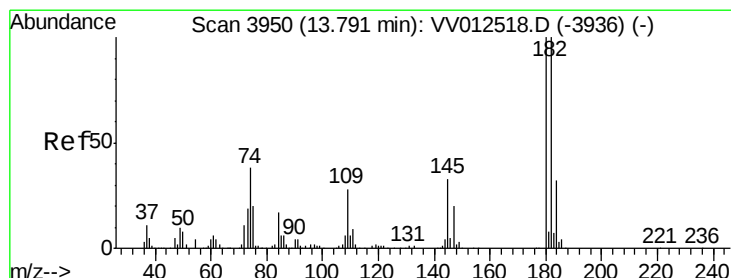
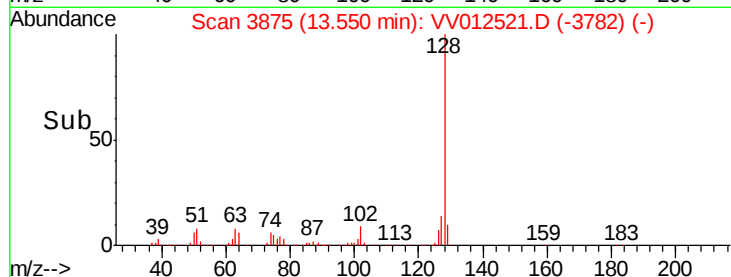
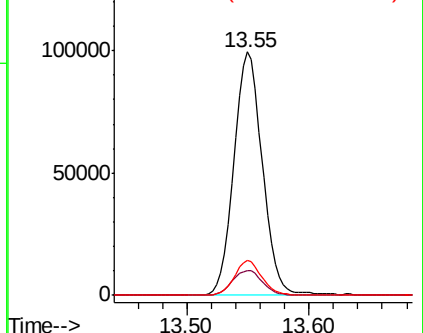
127 13.8 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.809 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012521.D

Acq: 02 Sep 2019 11:42

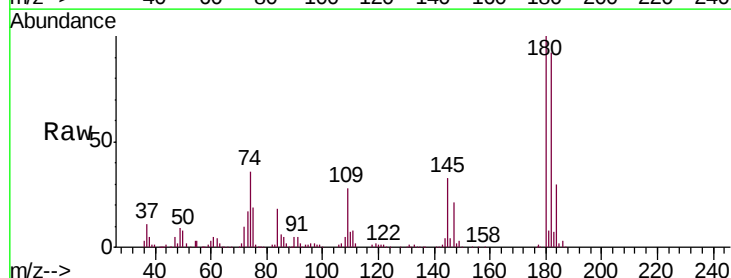
Tgt Ion:180 Resp: 95992

Ion Ratio Lower Upper

180 100

182 93.0 79.4 119.0

145 32.5 26.2 39.4



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

