

Data File : VV013493.D
Acq On : 06 Nov 2019 11:29
Operator : SY/MD
Sample : VSTD05065
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Quant Time: Nov 07 01:26:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 07 01:22:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	906517	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	875848	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	462765	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	267501	45.31	ug/L	0.00
7) Chloroethane-d5	1.58	69	215871	46.81	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	471417	52.81	ug/L	0.00
21) 2-Butanone-d5	3.92	46	427603	103.97	ug/L	0.00
24) Chloroform-d	4.40	84	599630	46.83	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	379169	49.24	ug/L	0.00
32) Benzene-d6	5.10	84	1201914	45.62	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	384860	46.59	ug/L	0.00
41) Toluene-d8	7.36	98	1130668	47.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	180548	49.20	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	299377	113.74	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	492879	45.49	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	452264	43.47	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	391528	49.966	ug/L	100
3) Chloromethane	1.25	50	378467	60.816	ug/L	100
5) Vinyl chloride	1.32	62	350667	55.963	ug/L	100
6) Bromomethane	1.53	94	169689	53.292	ug/L	100
8) Chloroethane	1.60	64	192909	54.613	ug/L	100
9) Trichlorofluoromethane	1.77	101	461949	53.253	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	256913	52.926	ug/L	100
12) 1,1-Dichloroethene	2.14	96	248168	53.062	ug/L	100
13) Acetone	2.18	43	395831	122.389	ug/L	100
14) Carbon disulfide	2.32	76	855814	52.948	ug/L	100
15) Methyl Acetate	2.45	43	360155	55.705	ug/L	100
16) Methylene chloride	2.53	84	338087	49.401	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	307892	48.621	ug/L	100
18) Methyl tert-butyl Ether	2.80	73	966021	51.935	ug/L	100
19) 1,1-Dichloroethane	3.23	63	600231	51.765	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	342632	49.878	ug/L	100
22) 2-Butanone	4.00	43	550163	120.636	ug/L	100
23) Bromochloromethane	4.30	128	180155	48.630	ug/L	100
25) Chloroform	4.42	83	605910	51.137	ug/L	100
27) 1,2-Dichloroethane	5.18	62	479774	54.723	ug/L	100
29) Cyclohexane	4.73	56	544612	53.303	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	505487	49.838	ug/L	100
31) Carbon tetrachloride	4.87	117	449012	49.240	ug/L	100
33) Benzene	5.14	78	1330160	50.122	ug/L	100
34) Trichloroethene	5.96	95	338670	48.720	ug/L	100
35) Methylcyclohexane	6.17	83	540817	51.288	ug/L	100
37) 1,2-Dichloropropane	6.22	63	342512	51.013	ug/L	100
38) Bromodichloromethane	6.55	83	449849	50.789	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	514859	51.319	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	936670	109.957	ug/L	100

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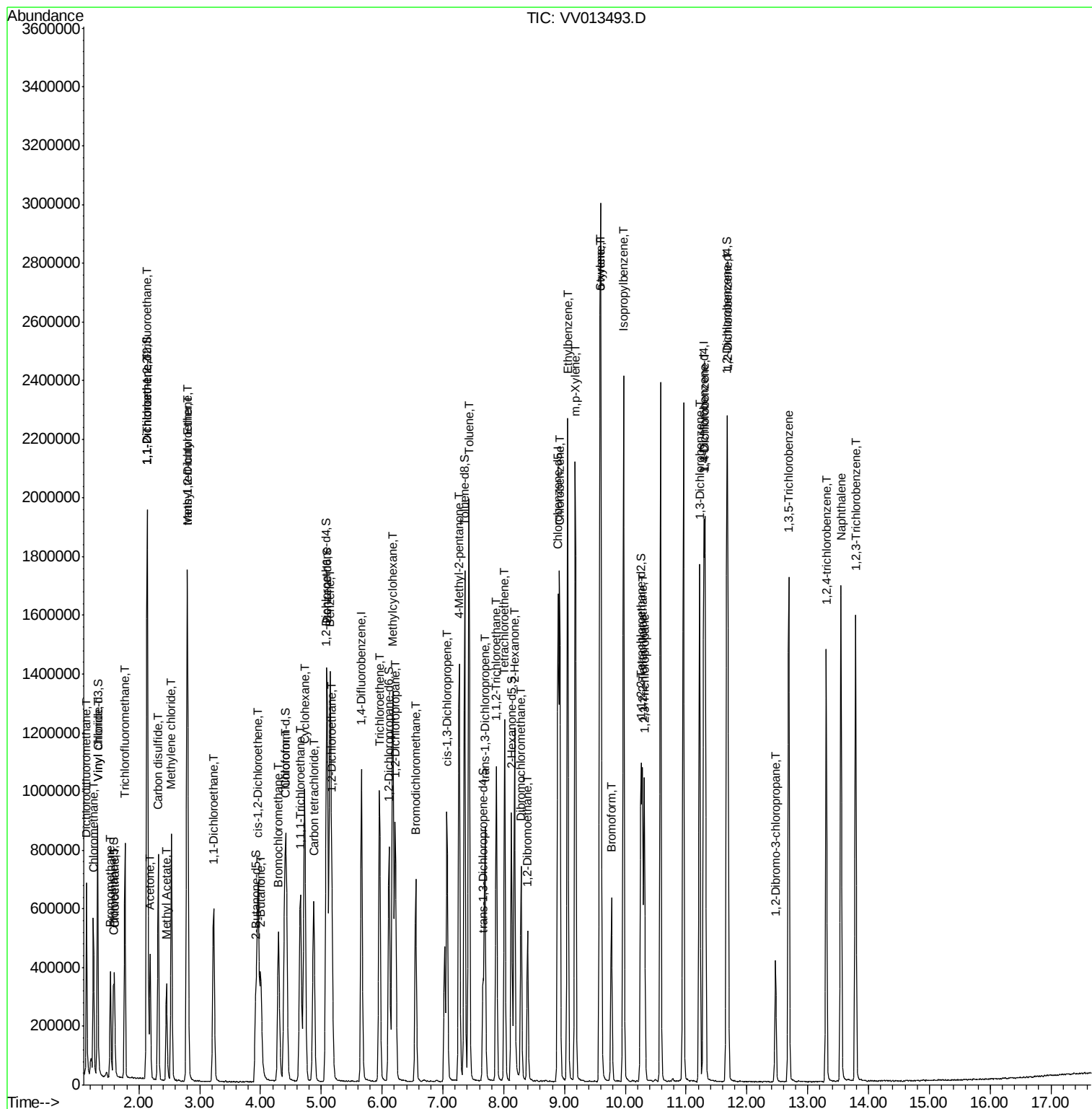
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1405102	51.590	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	468668	53.856	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	319617	48.653	ug/L	100
46) Tetrachloroethene	8.02	164	290037	47.166	ug/L	100
48) 2-Hexanone	8.18	43	744955	109.362	ug/L	100
49) Dibromochloromethane	8.29	129	367607	49.283	ug/L	100
50) 1,2-Dibromoethane	8.39	107	330254	47.617	ug/L	100
51) Chlorobenzene	8.92	112	889272	48.266	ug/L	100
52) Ethylbenzene	9.05	91	1516774	52.637	ug/L	100
53) m,p-Xylene	9.18	106	583056	52.337	ug/L	100
54) o-xylene	9.58	106	566473	52.045	ug/L	100
55) Styrene	9.60	104	982528	53.276	ug/L	100
56) Isopropylbenzene	9.97	105	1488599	53.407	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	492647	48.723	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	409534	49.063	ug/L	100
61) Bromoform	9.77	173	281262	46.878	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	726631	48.880	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	731596	47.396	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	721719	47.246	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	96958	45.381	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	556873	49.380	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	474637	50.084	ug/L	100
69) Naphthalene	13.55	128	1298738	51.343	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	504729	50.081	ug/L	100

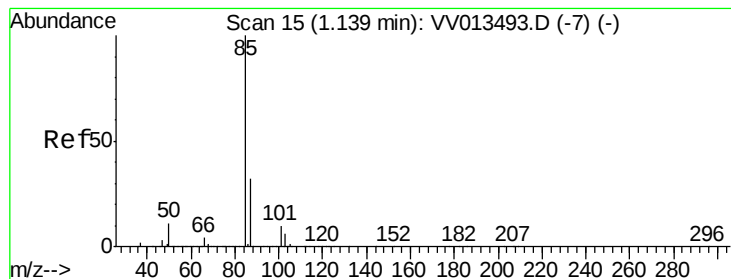
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.966 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

Instrument :

MSVOA_V

ClientSampleId :

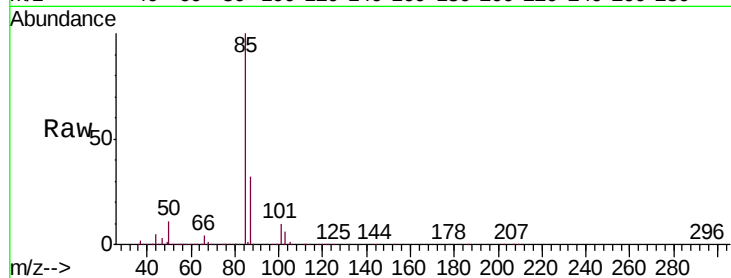
VSTD05065

Tgt Ion: 85 Resp: 391528

Ion Ratio Lower Upper

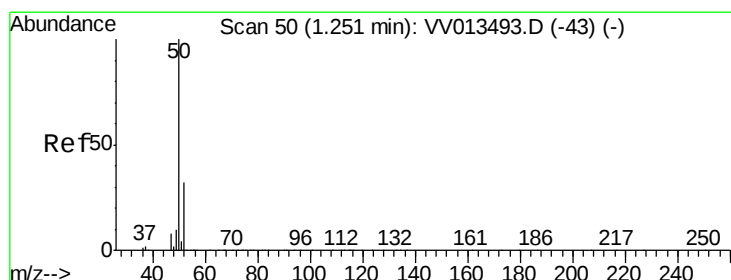
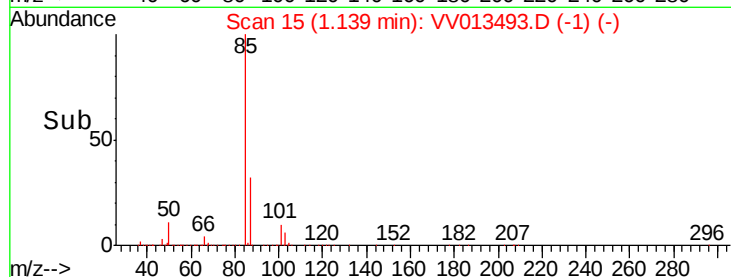
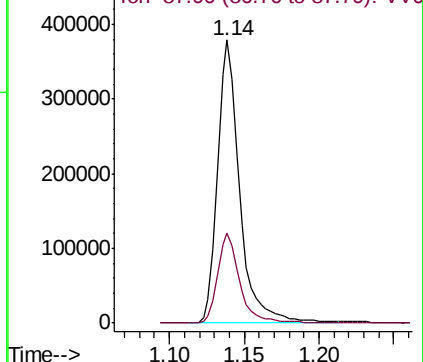
85 100

87 31.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 60.816 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013493.D

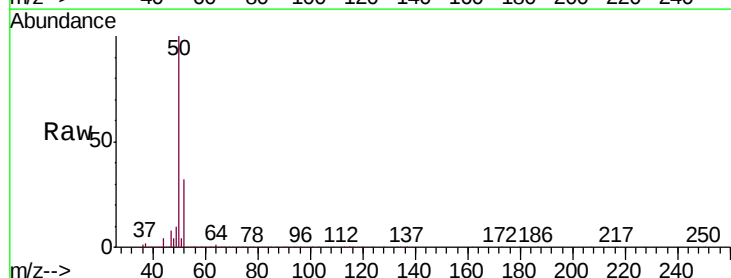
Acq: 06 Nov 2019 11:29

Tgt Ion: 50 Resp: 378467

Ion Ratio Lower Upper

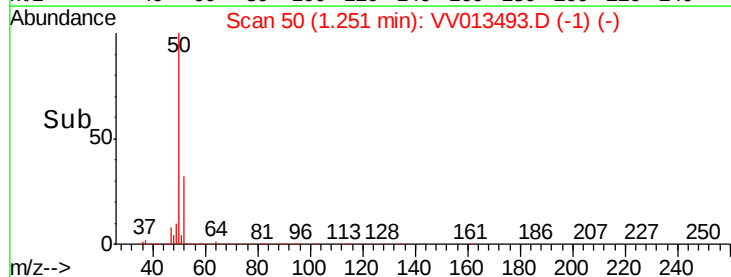
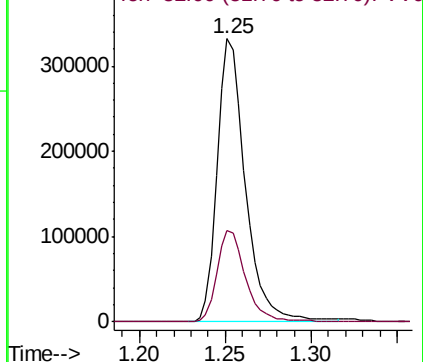
50 100

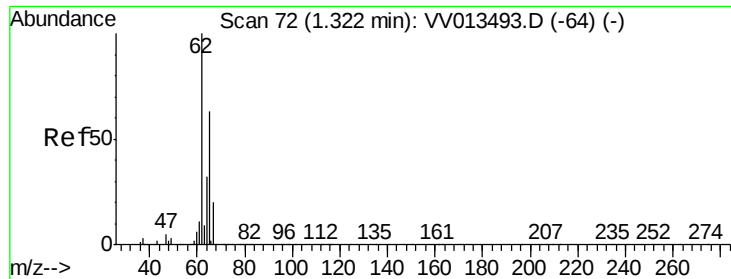
52 32.2 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 55.963 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

Instrument :

MSVOA_V

ClientSampleId :

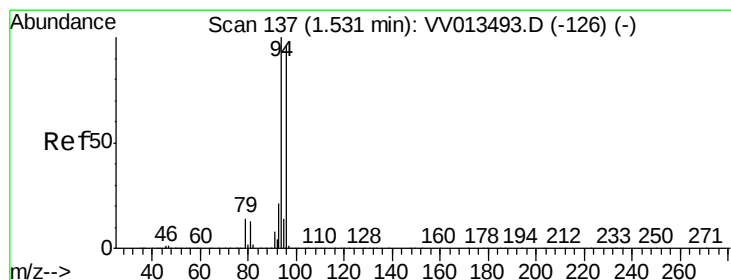
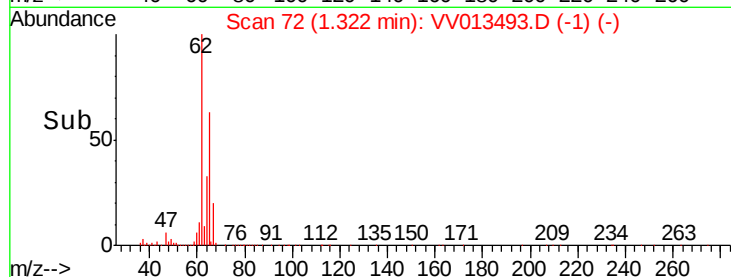
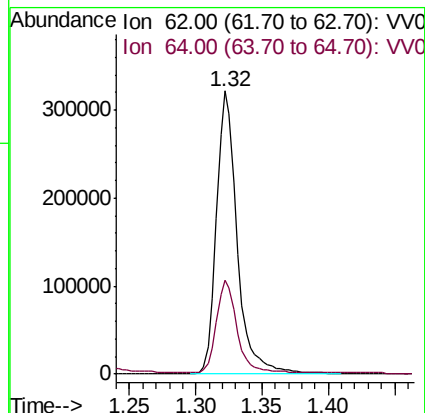
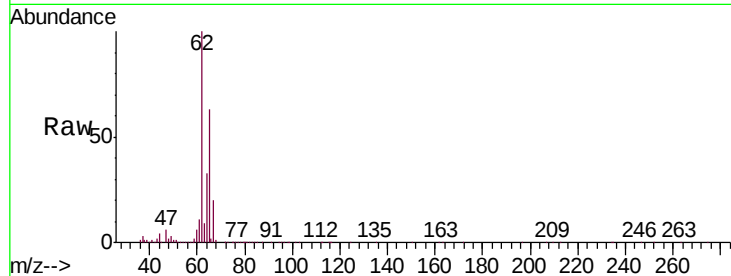
VSTD05065

Tgt Ion: 62 Resp: 350667

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#6

Bromomethane

Concen: 53.292 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV013493.D

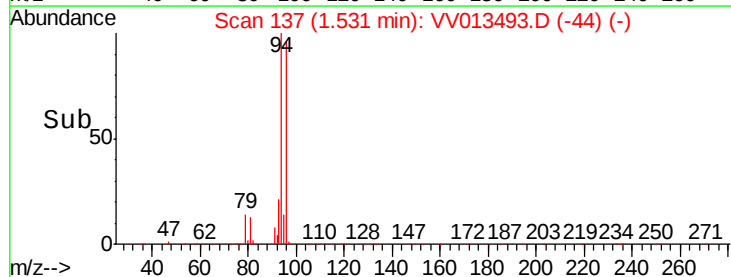
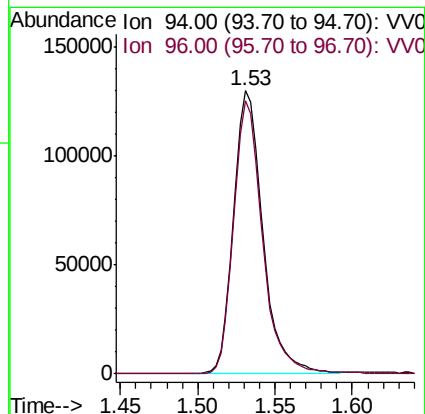
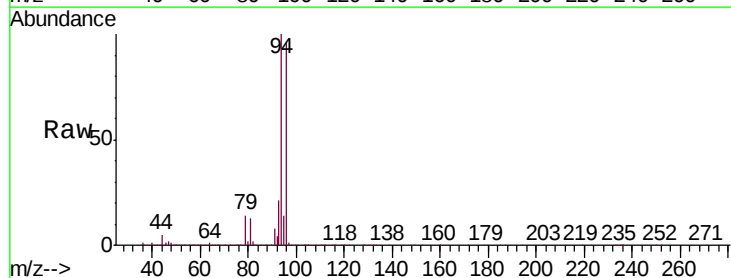
Acq: 06 Nov 2019 11:29

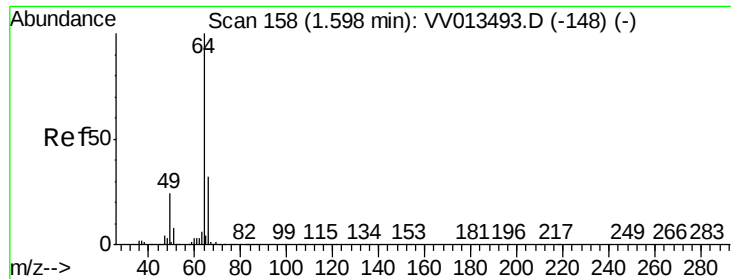
Tgt Ion: 94 Resp: 169689

Ion Ratio Lower Upper

94 100

96 96.3 67.4 125.2

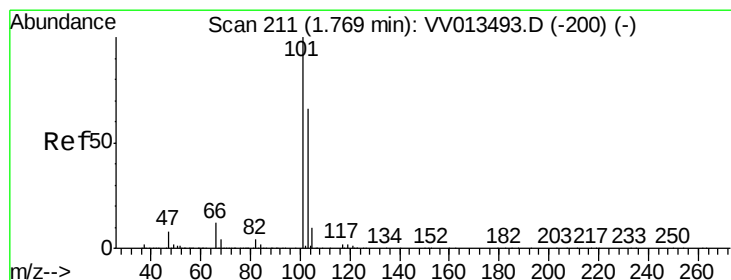
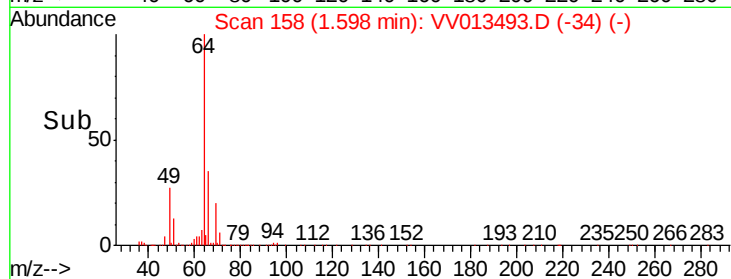
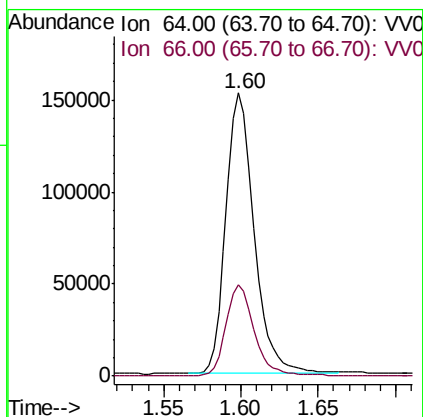
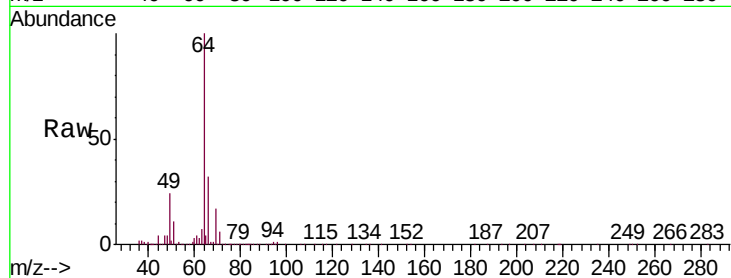




#8
Chloroethane
Concen: 54.613 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013493.D
Acq: 06 Nov 2019 11:29

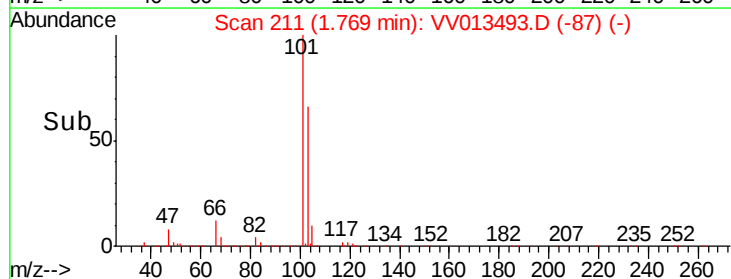
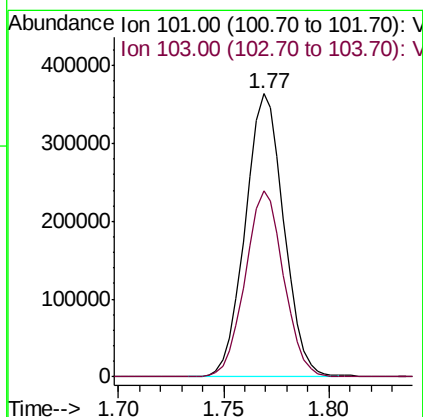
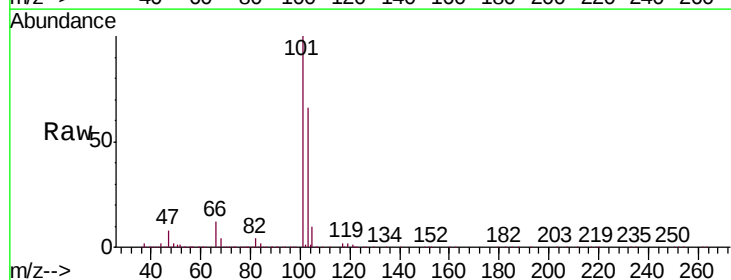
Instrument :
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ClientSampleId :
VSTD05065

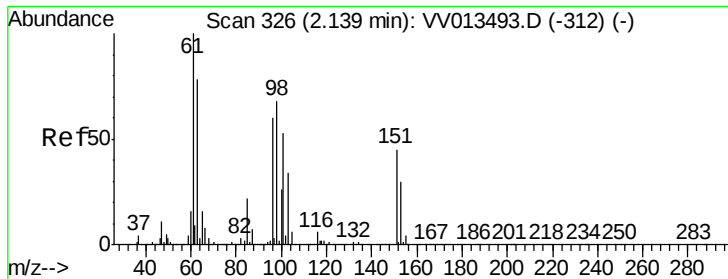
Tgt Ion: 64 Resp: 192909
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 53.253 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV013493.D
Acq: 06 Nov 2019 11:29

Tgt Ion: 101 Resp: 461949
Ion Ratio Lower Upper
101 100
103 65.6 52.5 78.7





#10

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

Concen: 52.926 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

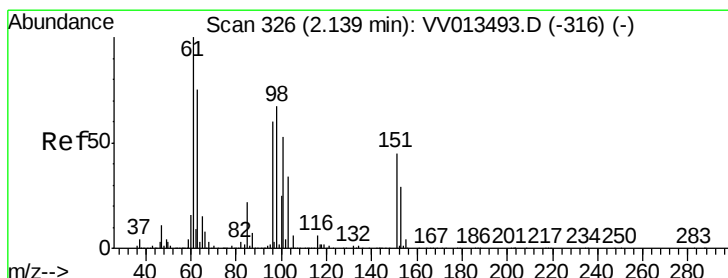
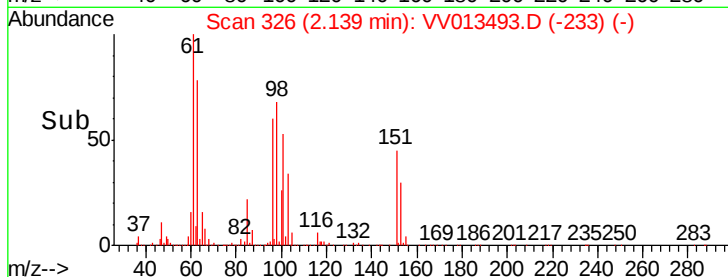
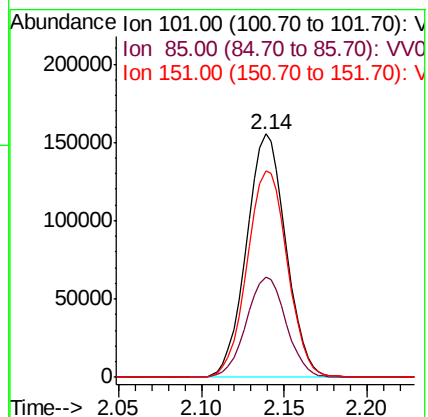
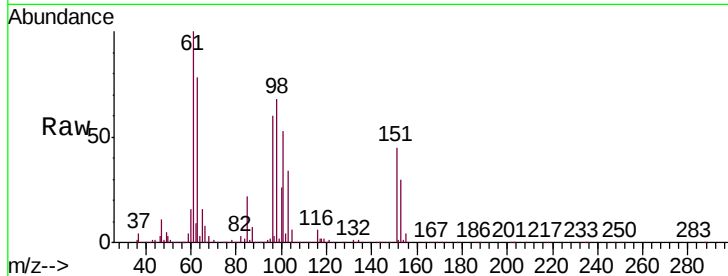
Tgt Ion: 101 Resp: 256913

Ion Ratio Lower Upper

101 100

85 41.6 33.3 49.9

151 86.9 69.5 104.3



#12

1,1-Dichloroethene

Concen: 53.062 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

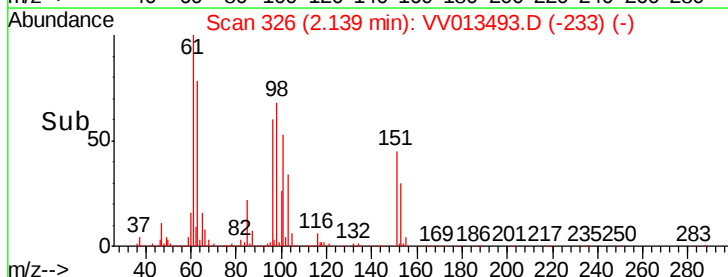
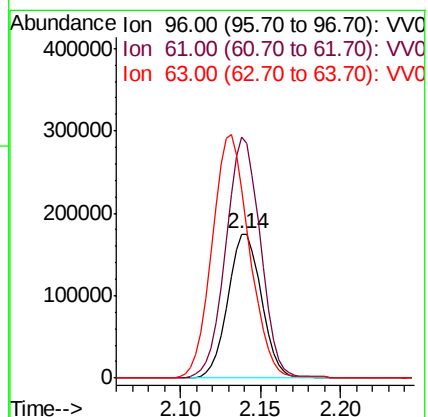
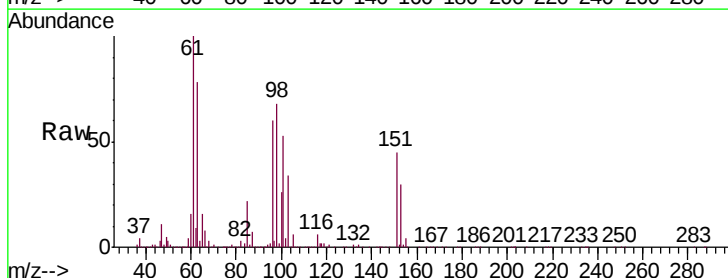
Tgt Ion: 96 Resp: 248168

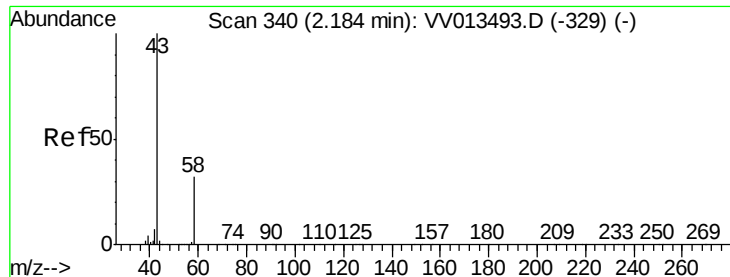
Ion Ratio Lower Upper

96 100

61 167.0 116.9 217.1

63 130.7 91.5 169.9





#13

Acetone

Concen: 122.389 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

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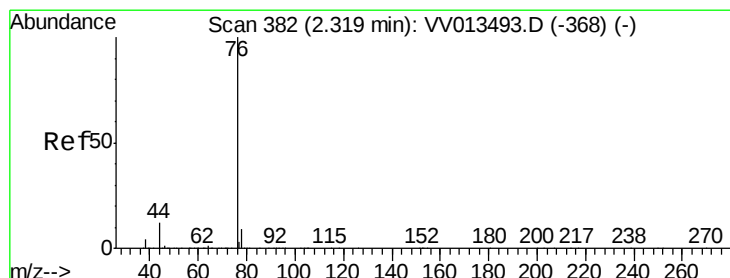
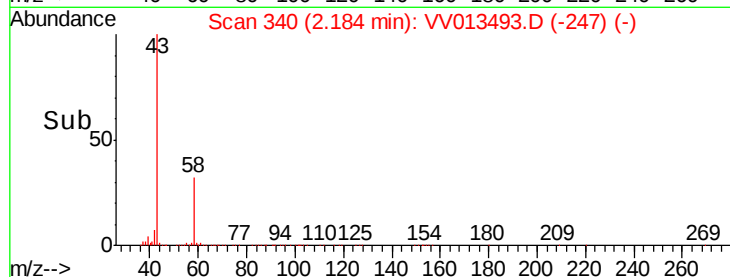
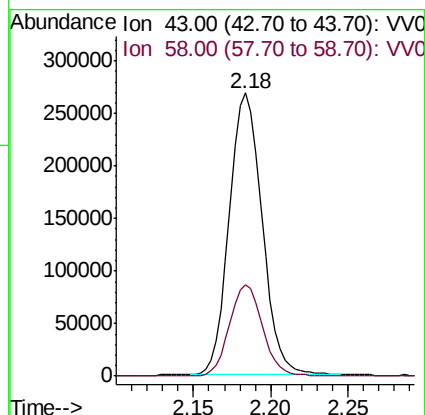
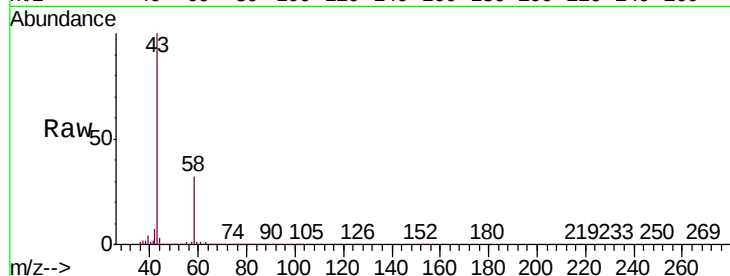
VSTD05065

Tgt Ion: 43 Resp: 395831

Ion Ratio Lower Upper

43 100

58 32.6 0.0 65.2



#14

Carbon disulfide

Concen: 52.948 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV013493.D

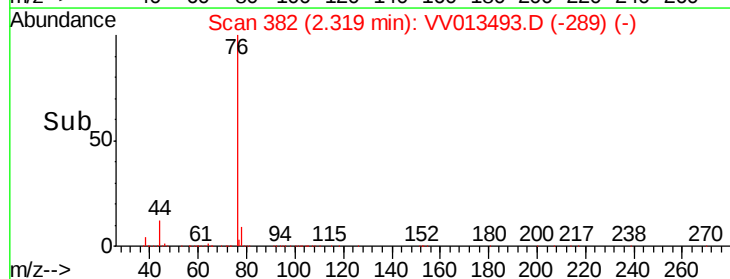
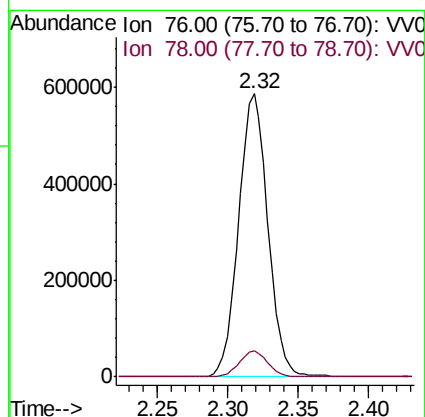
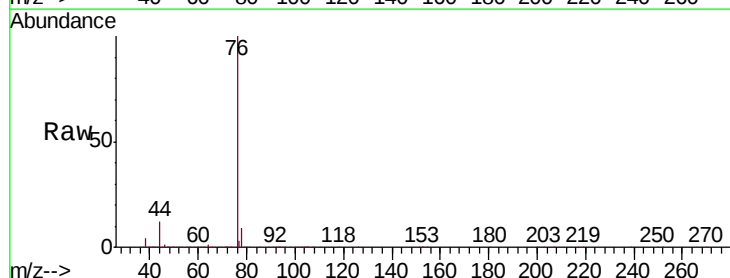
Acq: 06 Nov 2019 11:29

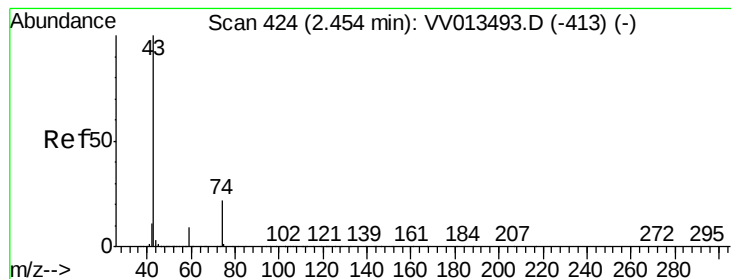
Tgt Ion: 76 Resp: 855814

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 55.705 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

Instrument :

MSVOA_V

ClientSampleId :

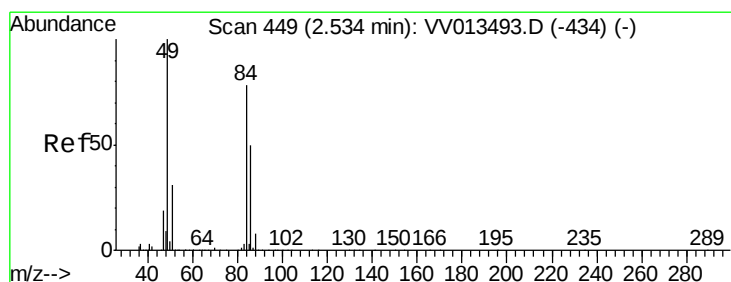
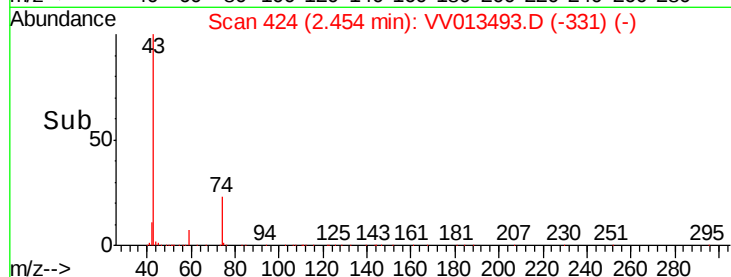
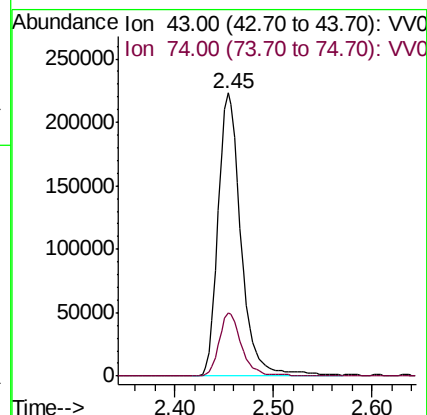
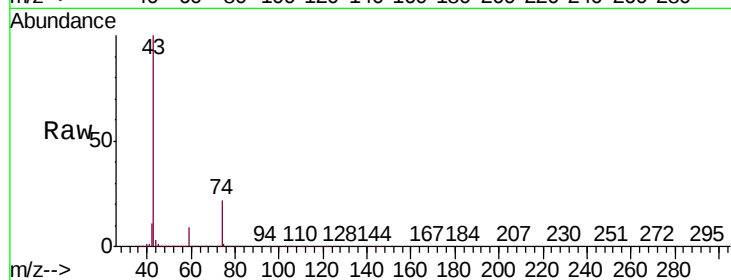
VSTD05065

Tgt Ion: 43 Resp: 360155

Ion Ratio Lower Upper

43 100

74 22.1 17.7 26.5



#16

Methylene chloride

Concen: 49.401 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

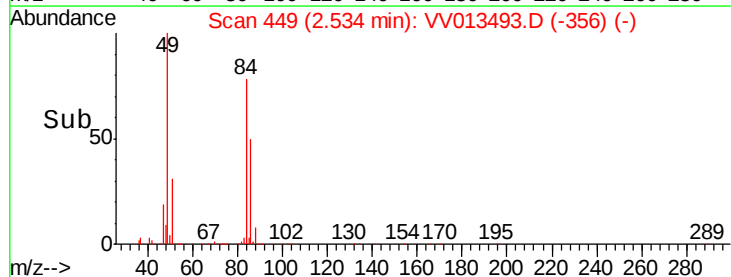
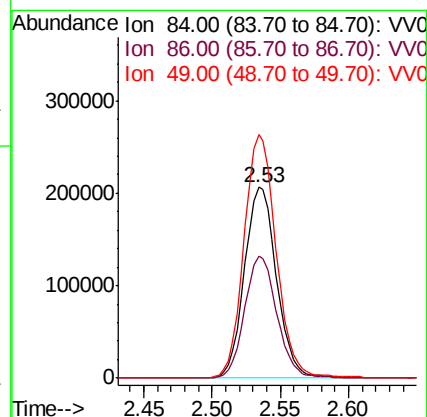
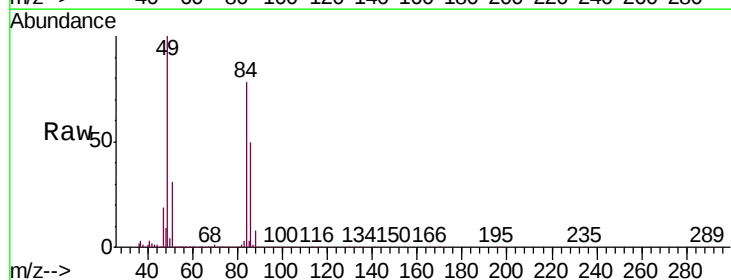
Tgt Ion: 84 Resp: 338087

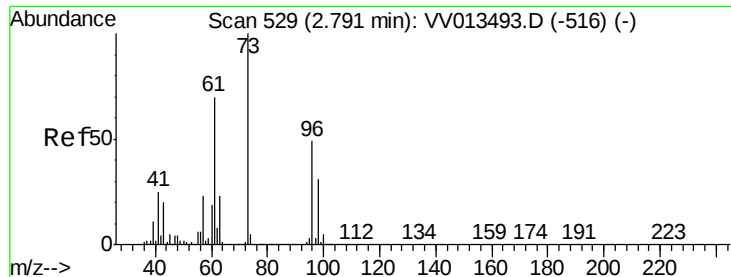
Ion Ratio Lower Upper

84 100

86 63.9 44.7 83.1

49 127.5 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 48.621 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

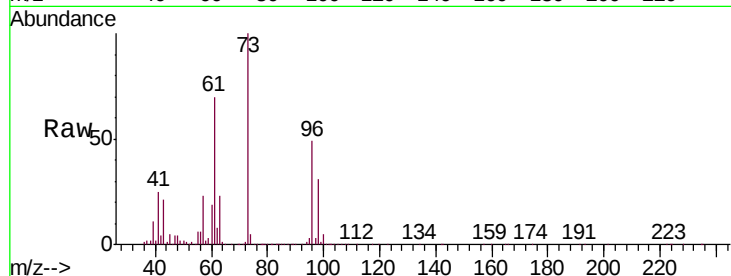
Tgt Ion: 96 Resp: 307892

Ion Ratio Lower Upper

96 100

61 143.5 100.4 186.6

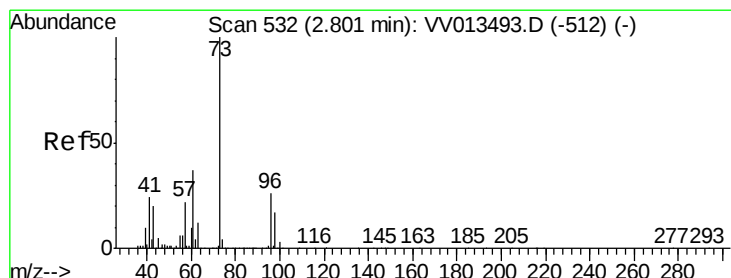
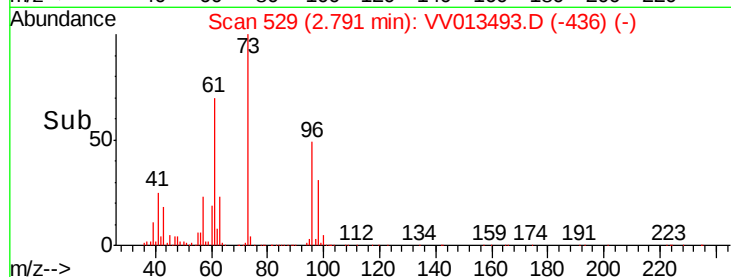
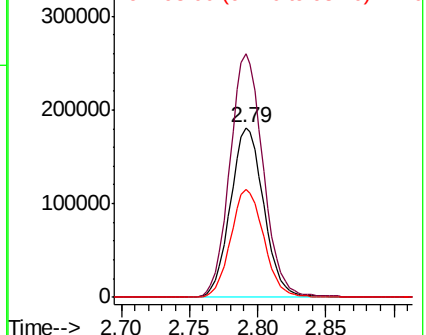
98 63.9 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 51.935 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

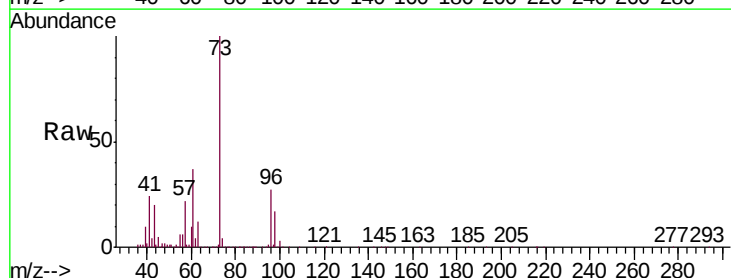
Tgt Ion: 73 Resp: 966021

Ion Ratio Lower Upper

73 100

43 19.6 15.7 23.5

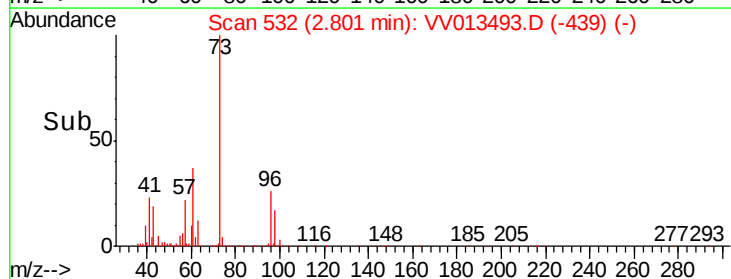
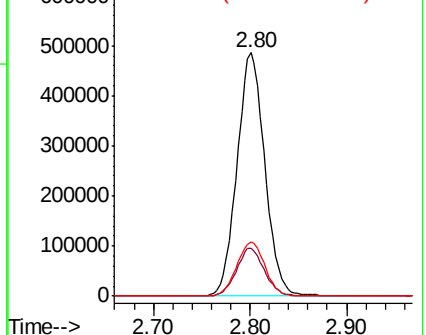
57 22.6 18.1 27.1

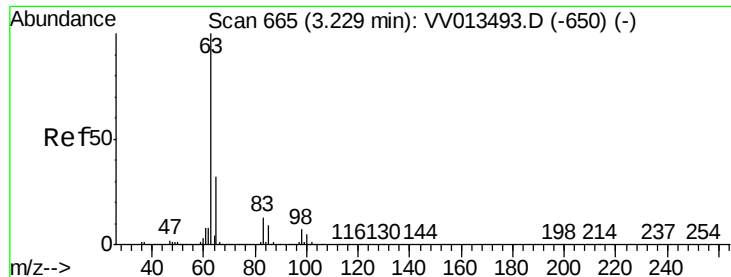


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

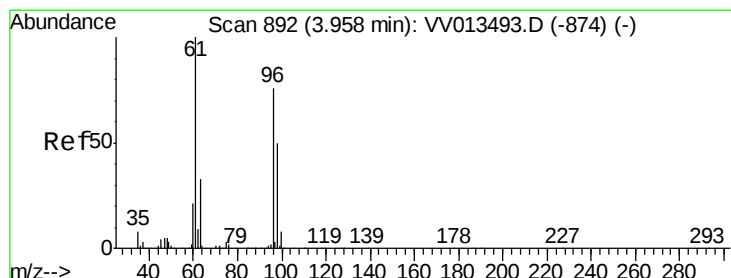
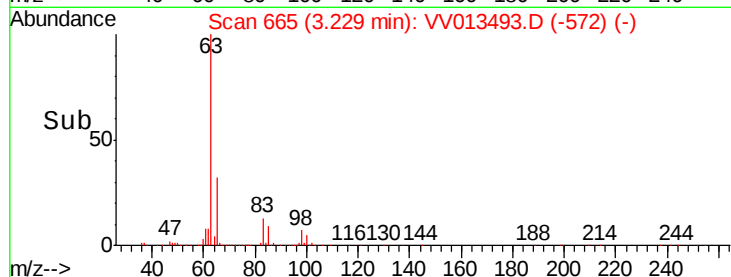
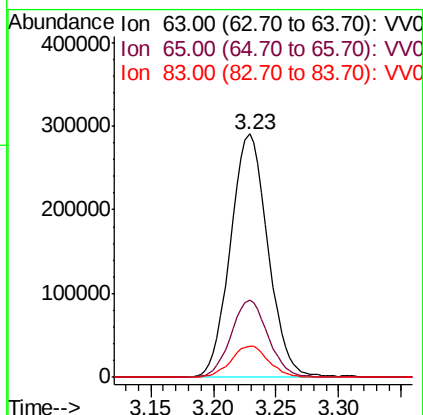
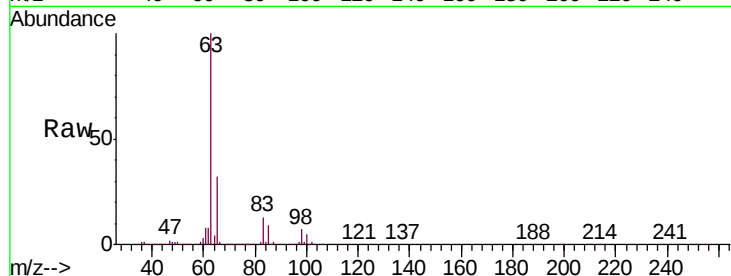




#19
 1,1-Dichloroethane
 Concen: 51.765 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013493.D
 Acq: 06 Nov 2019 11:29

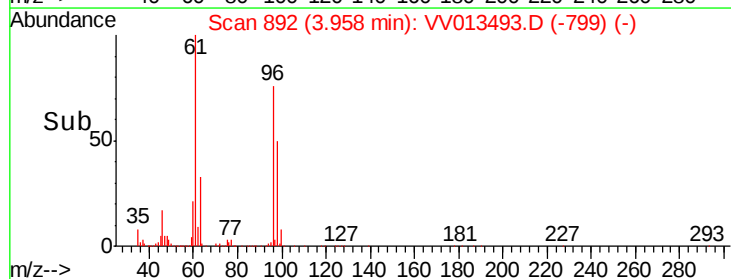
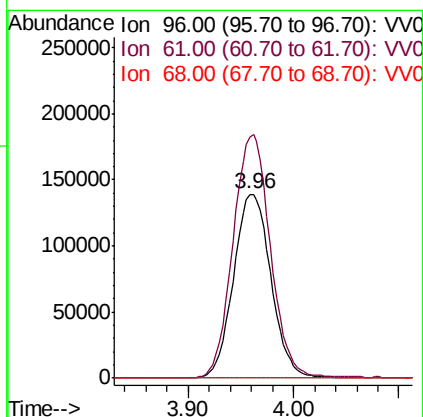
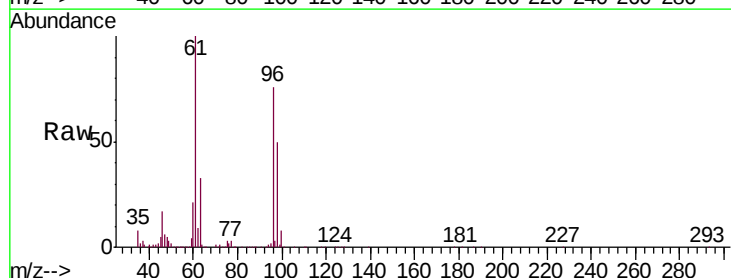
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

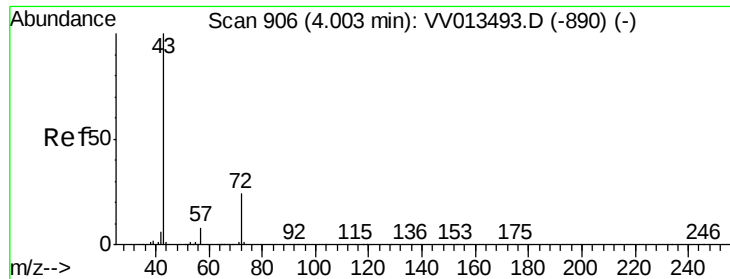
Tgt Ion:	63	Resp:	600231
Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.2	41.2
83	12.7	8.9	16.5



#20
 cis-1,2-Dichloroethene
 Concen: 49.878 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013493.D
 Acq: 06 Nov 2019 11:29

Tgt Ion:	96	Resp:	342632
Ion	Ratio	Lower	Upper
96	100		
61	131.6	92.1	171.1
68	0.0	0.0	0.0

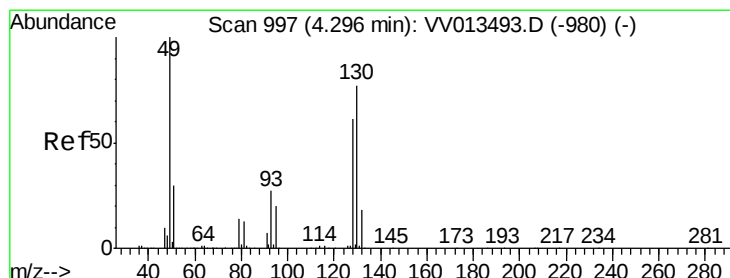
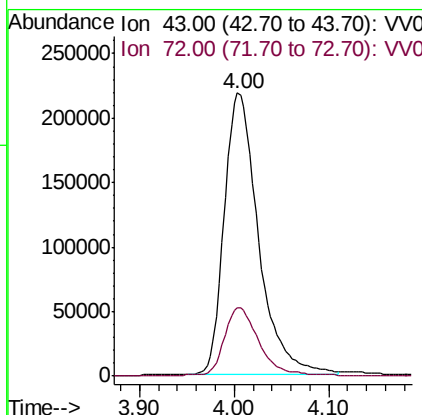
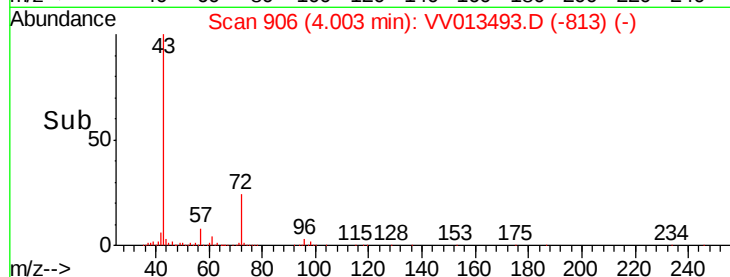
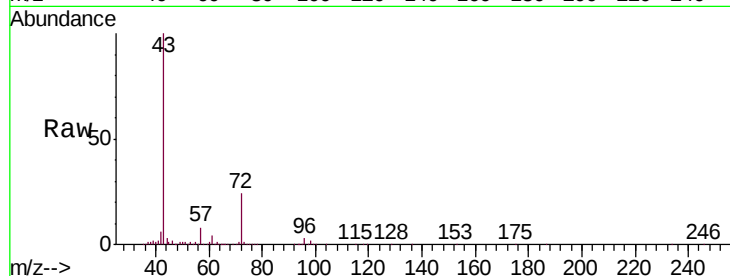




#22
2-Butanone
Concen: 120.636 ug/L
RT: 4.00 min Scan# 906
Delta R.T. 0.00 min
Lab File: VV013493.D
Acq: 06 Nov 2019 11:29

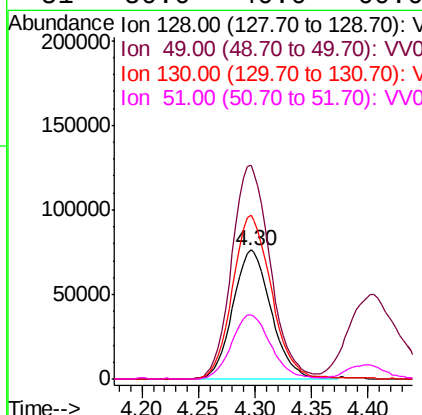
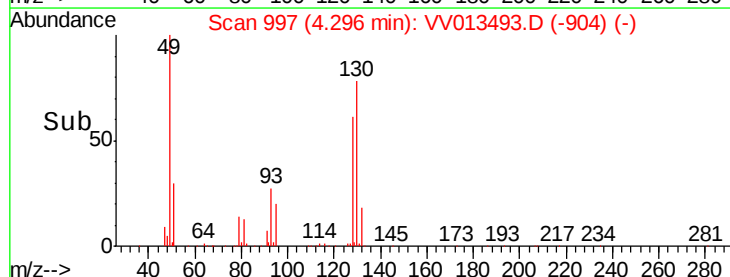
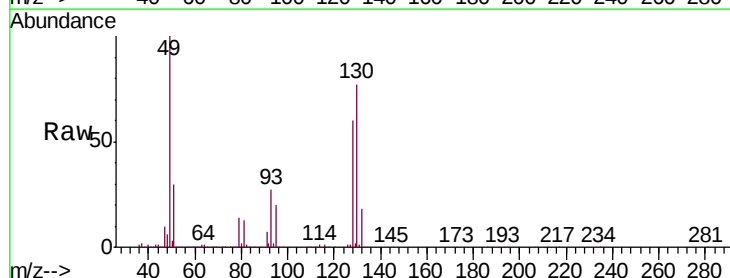
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

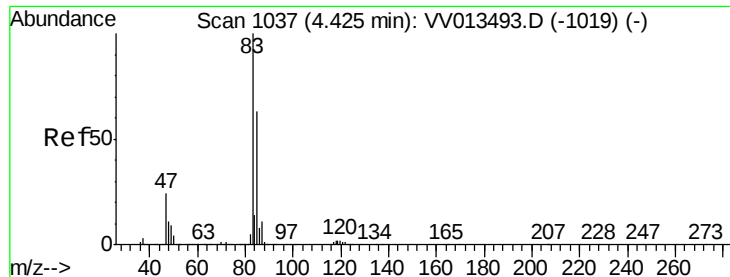
Tgt Ion: 43 Resp: 550163
Ion Ratio Lower Upper
43 100
72 24.6 12.3 36.9



#23
Bromochloromethane
Concen: 48.630 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV013493.D
Acq: 06 Nov 2019 11:29

Tgt Ion: 128 Resp: 180155
Ion Ratio Lower Upper
128 100
49 165.5 115.8 215.2
130 127.3 89.1 165.5
51 50.0 40.0 60.0





#25

Chloroform

Concen: 51.137 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

Instrument :

MSVOA_V

ClientSampleId :

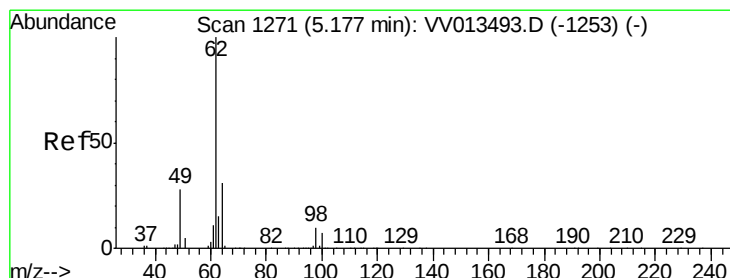
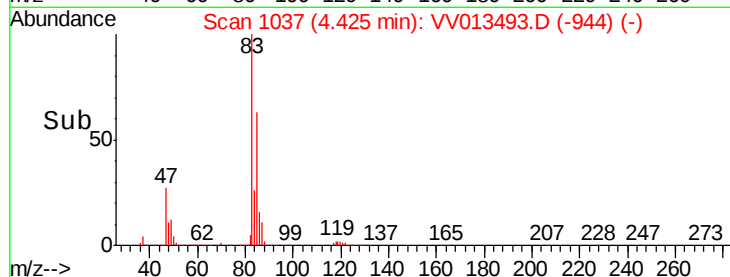
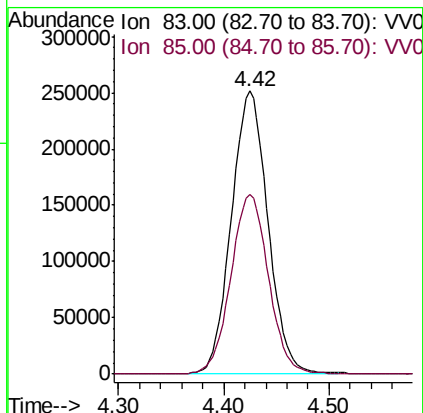
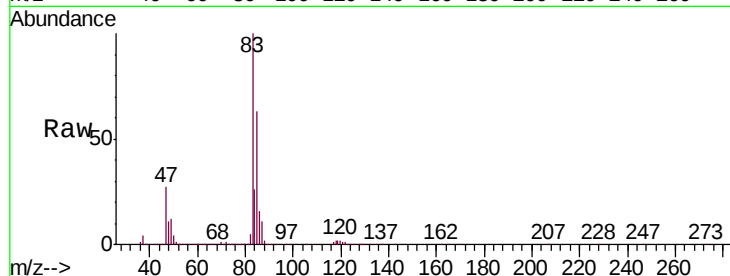
VSTD05065

Tgt Ion: 83 Resp: 605910

Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.5



#27

1,2-Dichloroethane

Concen: 54.723 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV013493.D

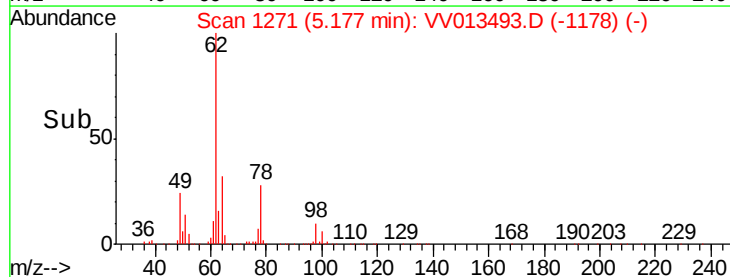
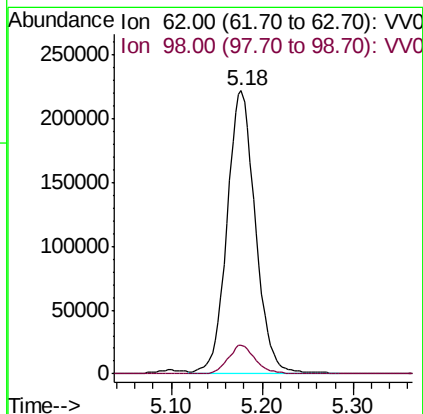
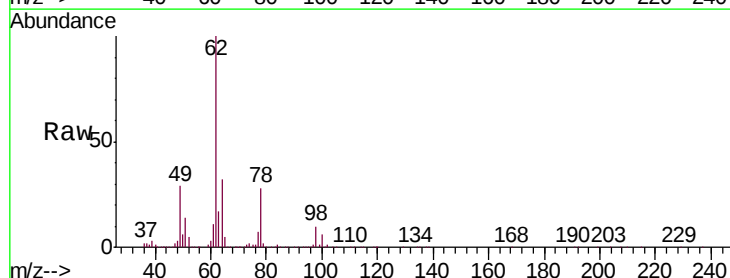
Acq: 06 Nov 2019 11:29

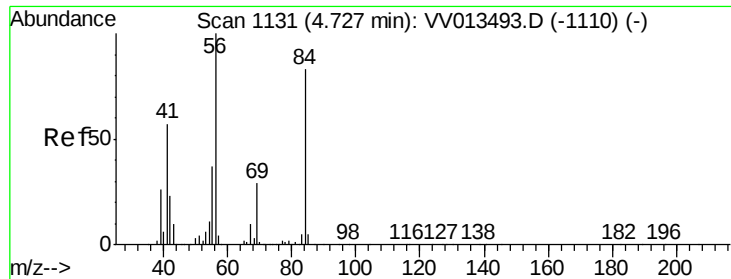
Tgt Ion: 62 Resp: 479774

Ion Ratio Lower Upper

62 100

98 10.3 8.2 12.4

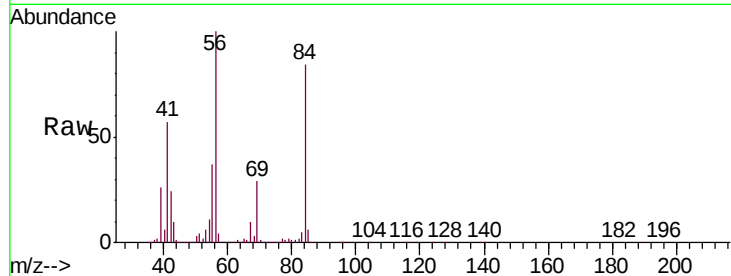




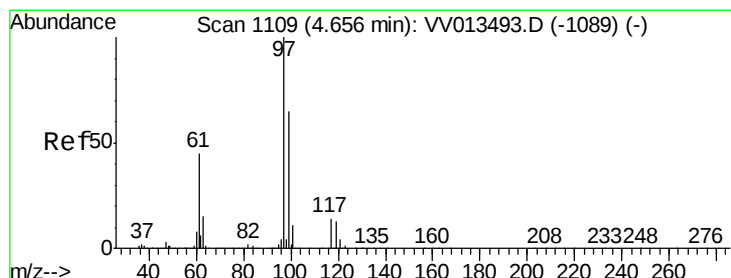
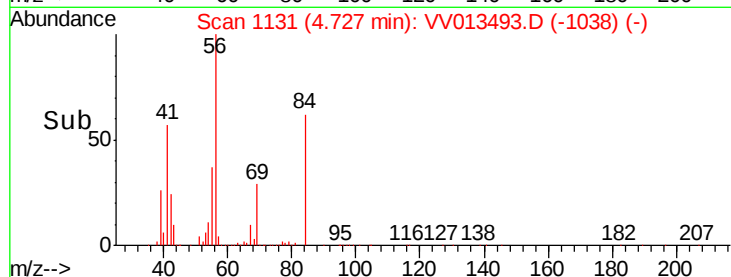
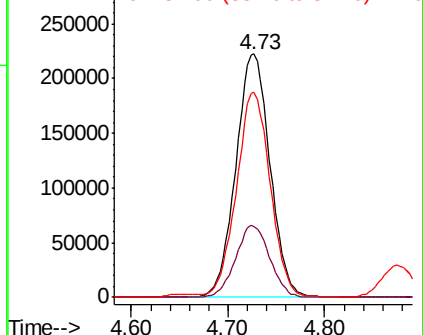
#29
Cyclohexane
Concen: 53.303 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV013493.D
Acq: 06 Nov 2019 11:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Tgt Ion: 56 Resp: 544612
Ion Ratio Lower Upper
56 100
69 29.6 23.7 35.5
84 82.9 66.3 99.5

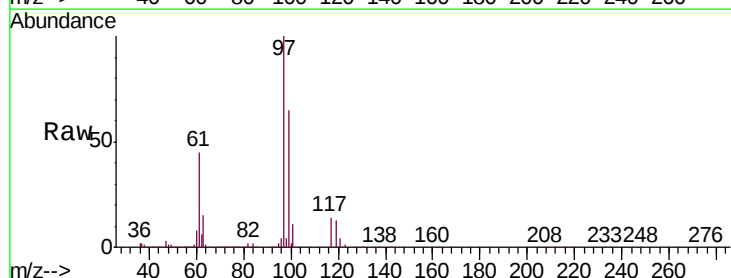


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

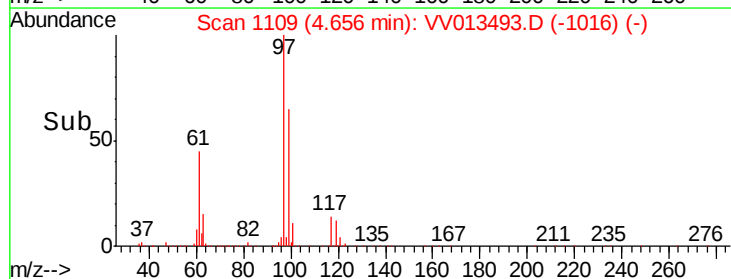
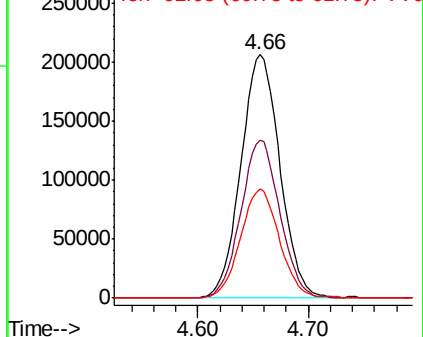


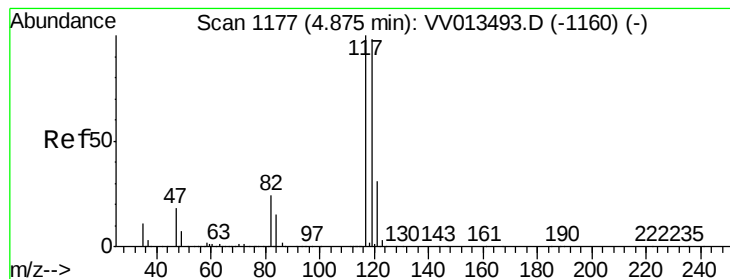
#30
1,1,1-Trichloroethane
Concen: 49.838 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV013493.D
Acq: 06 Nov 2019 11:29

Tgt Ion: 97 Resp: 505487
Ion Ratio Lower Upper
97 100
99 65.0 52.0 78.0
61 44.8 35.8 53.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 49.240 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

Instrument :

MSVOA_V

ClientSampleId :

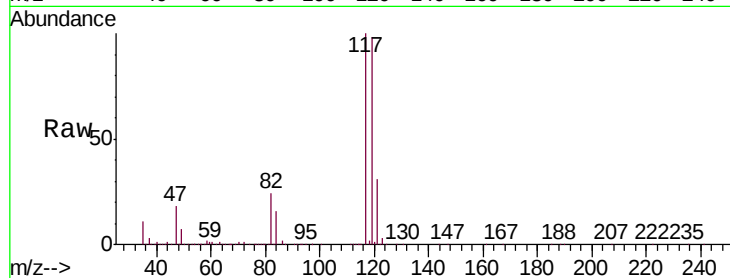
VSTD05065

Tgt Ion:117 Resp: 449012

Ion Ratio Lower Upper

117 100

119 97.0 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.87

200000

150000

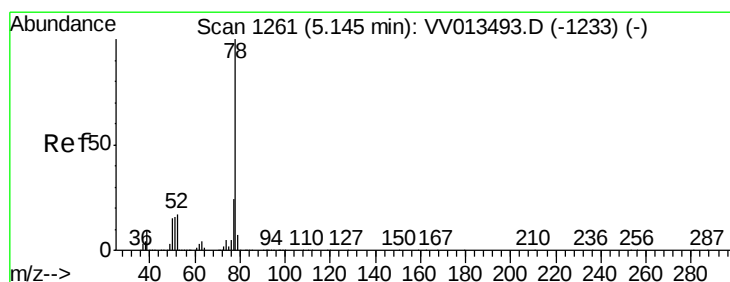
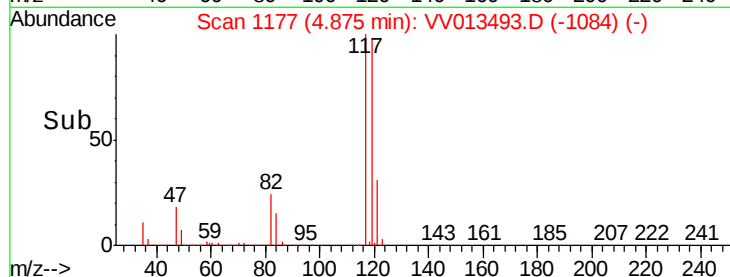
100000

50000

0

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 50.122 ug/L

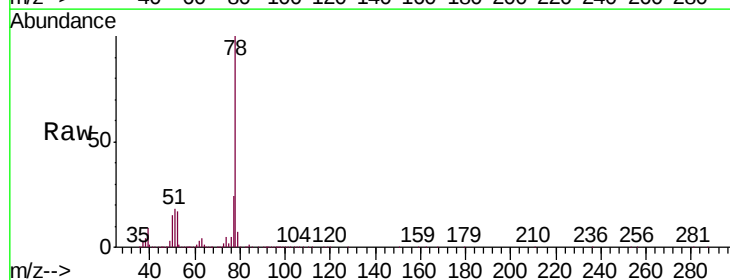
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

Tgt Ion: 78 Resp: 1330160



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.14

600000

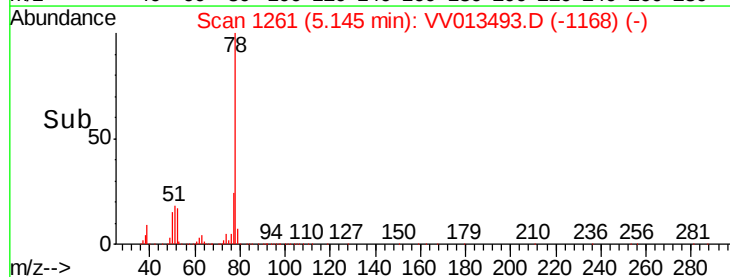
400000

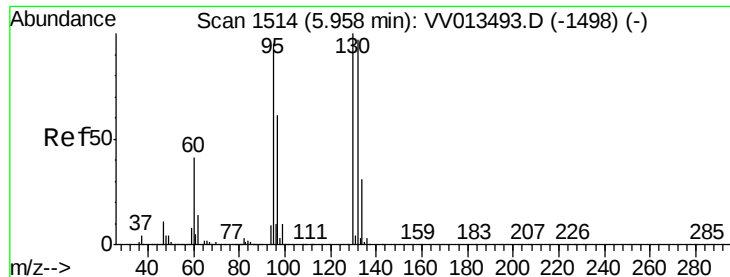
200000

0

5.00 5.10 5.20 5.30

Time-->





#34

Trichloroethene

Concen: 48.720 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

Tgt Ion: 95 Resp: 338670

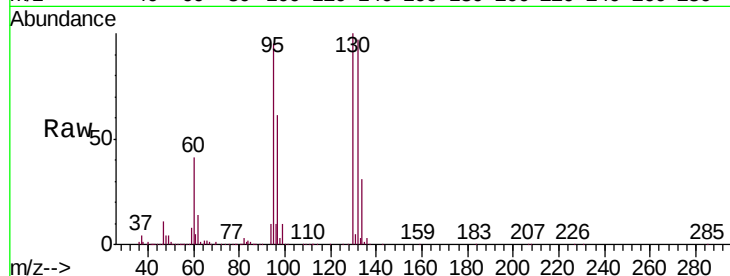
Ion Ratio Lower Upper

95 100

97 64.4 45.1 83.7

132 102.4 71.7 133.1

130 105.5 73.8 137.2

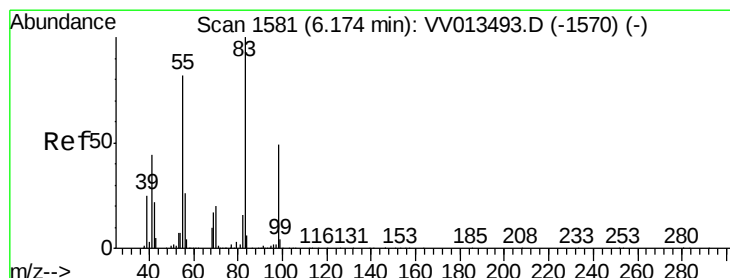
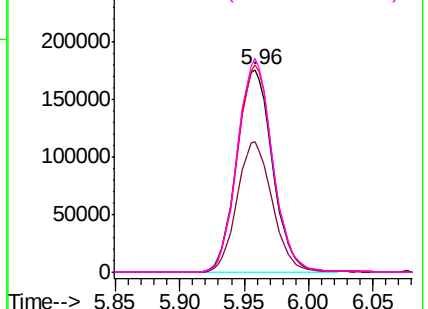
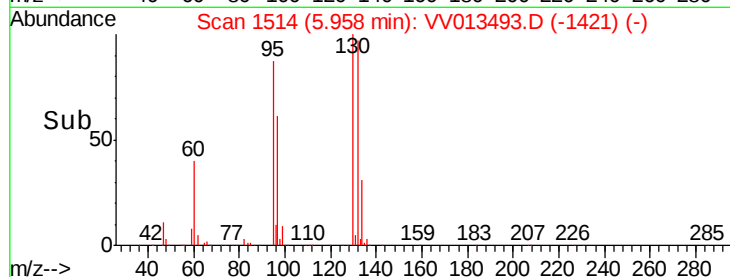


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 51.288 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

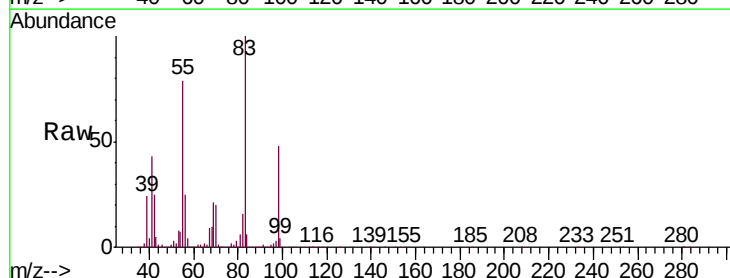
Tgt Ion: 83 Resp: 540817

Ion Ratio Lower Upper

83 100

55 79.2 63.4 95.0

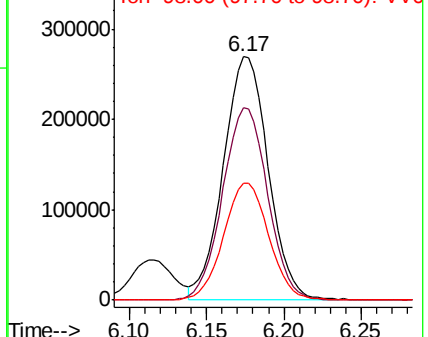
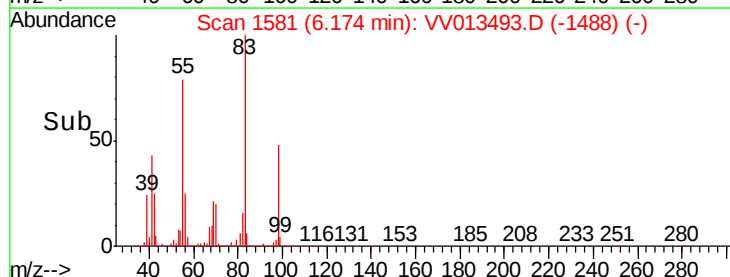
98 48.3 38.6 58.0

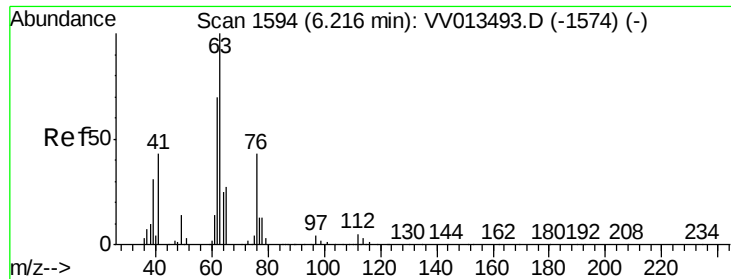


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

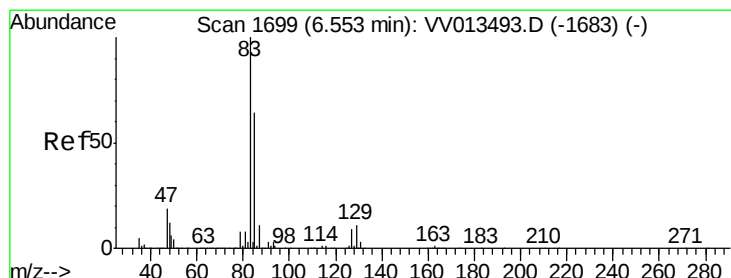
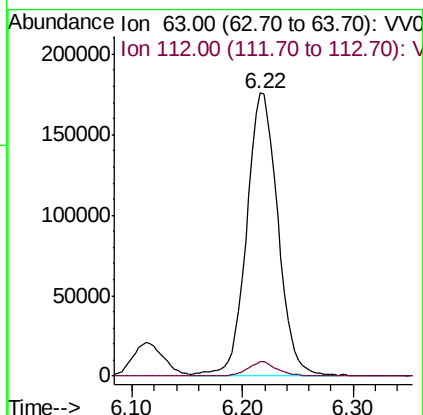
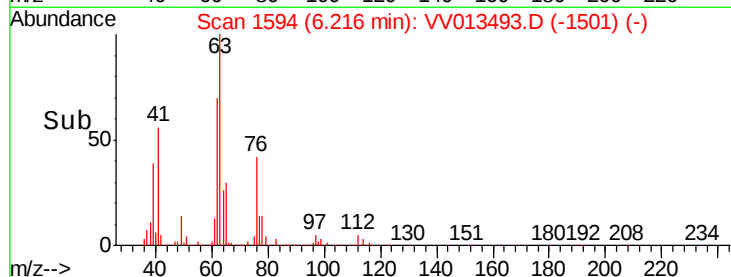
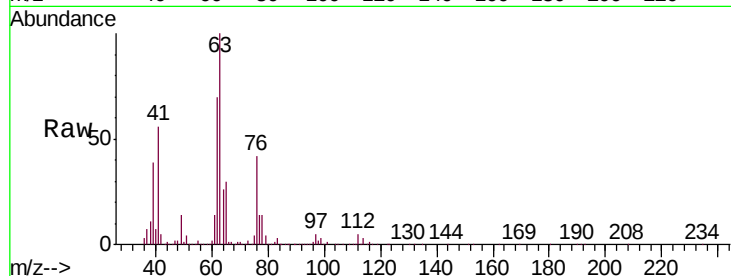




#37
 1,2-Dichloropropane
 Concen: 51.013 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV013493.D
 Acq: 06 Nov 2019 11:29

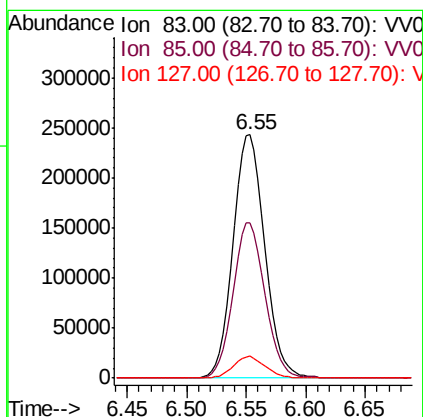
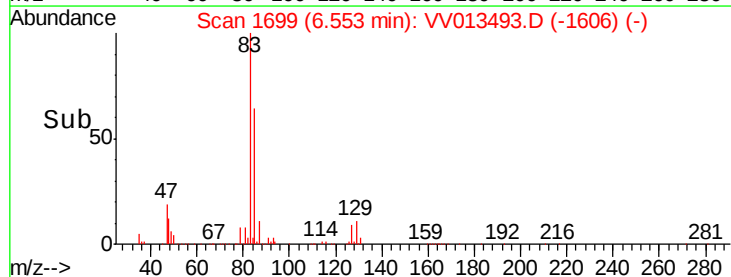
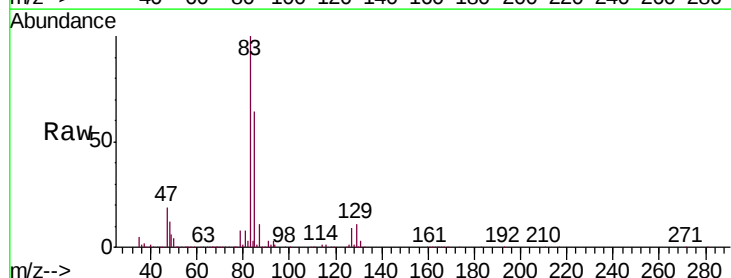
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

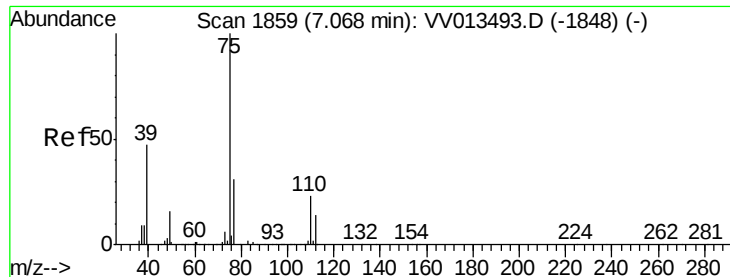
Tgt Ion: 63 Resp: 342512
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#38
 Bromodichloromethane
 Concen: 50.789 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013493.D
 Acq: 06 Nov 2019 11:29

Tgt Ion: 83 Resp: 449849
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.8 83.2
 127 8.9 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 51.319 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

Instrument :

MSVOA_V

ClientSampleId :

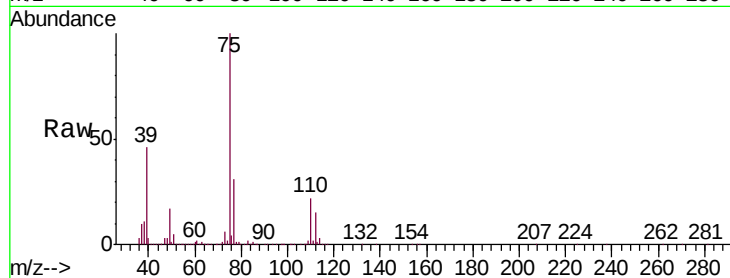
VSTD05065

Tgt Ion: 75 Resp: 514859

Ion Ratio Lower Upper

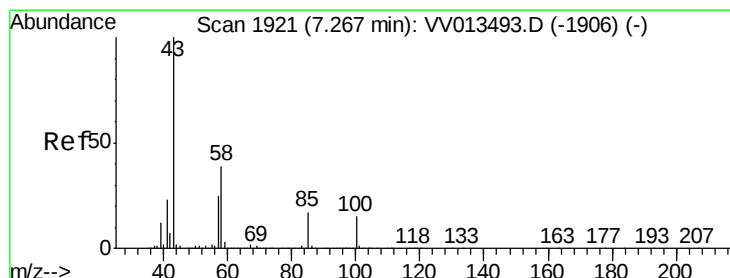
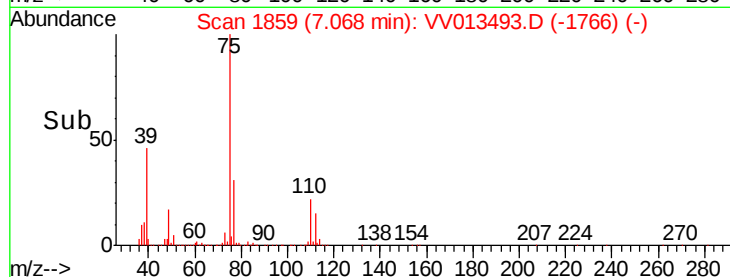
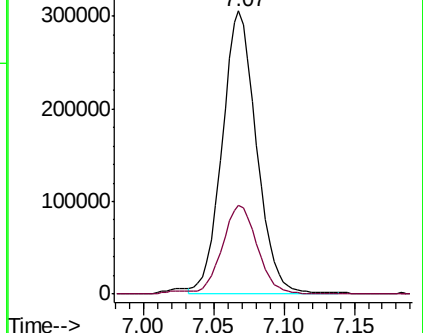
75 100

77 31.4 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#40

4-Methyl-2-pentanone

Concen: 109.957 ug/L

RT: 7.27 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

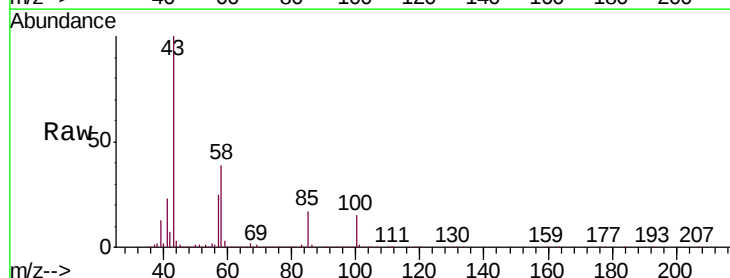
Tgt Ion: 43 Resp: 936670

Ion Ratio Lower Upper

43 100

58 38.7 31.0 46.4

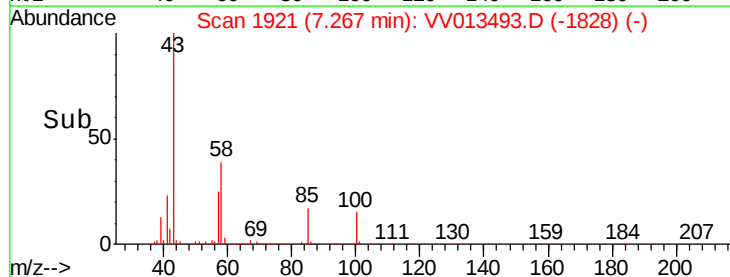
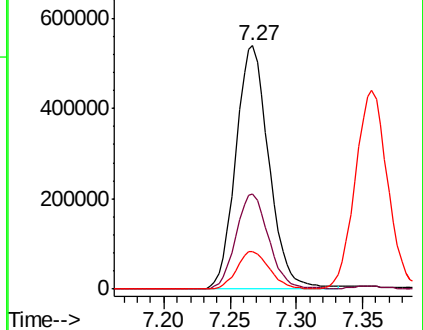
100 15.2 12.2 18.2

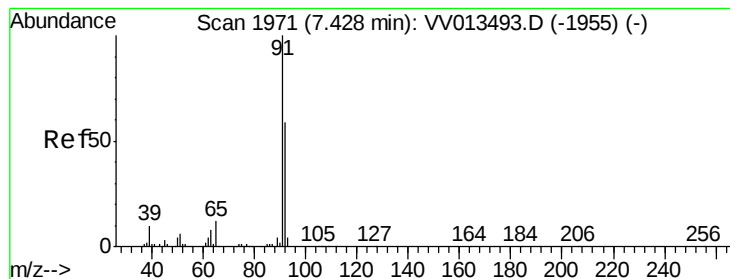


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#42

Toluene

Concen: 51.590 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

Instrument :

MSVOA_V

ClientSampleId :

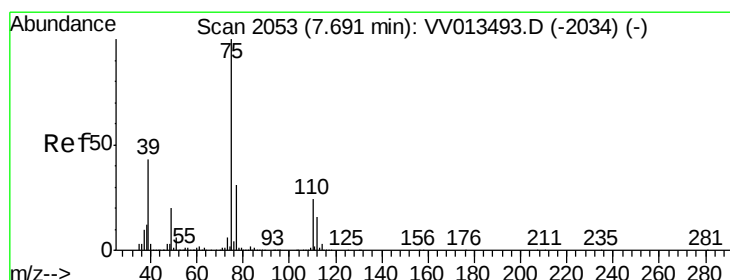
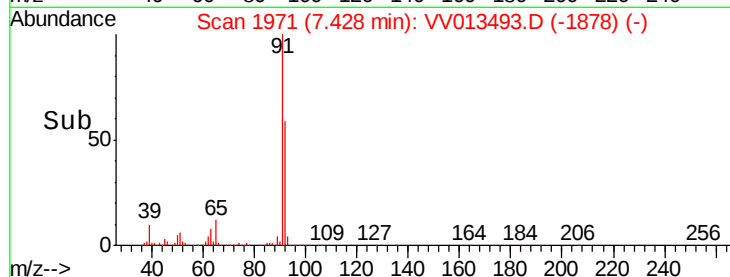
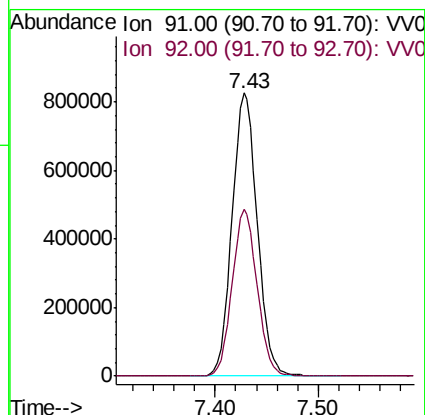
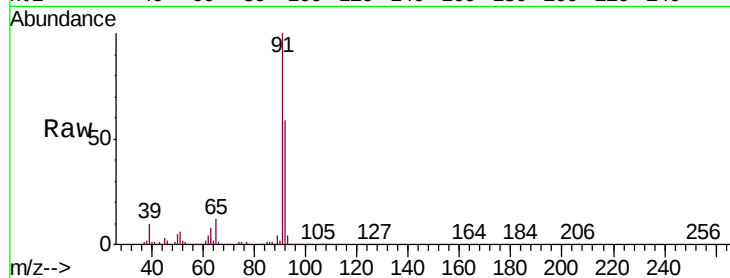
VSTD05065

Tgt Ion: 91 Resp: 1405102

Ion Ratio Lower Upper

91 100

92 59.0 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 53.856 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013493.D

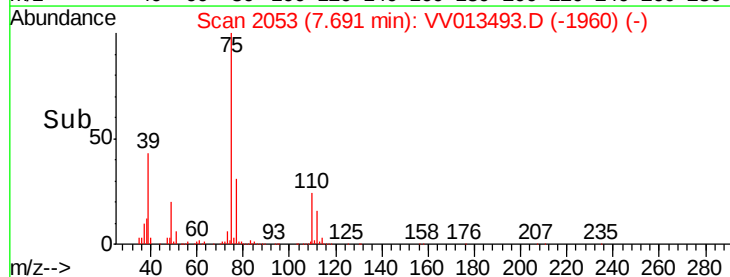
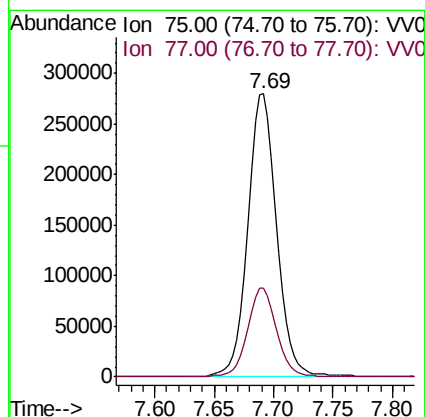
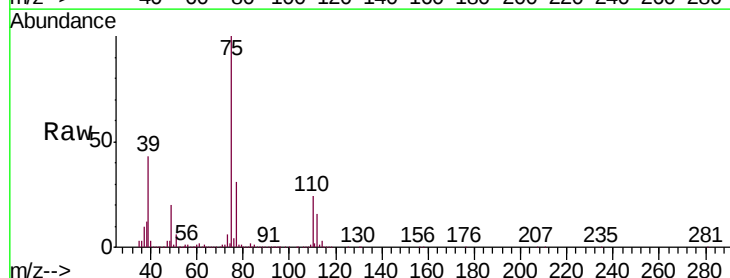
Acq: 06 Nov 2019 11:29

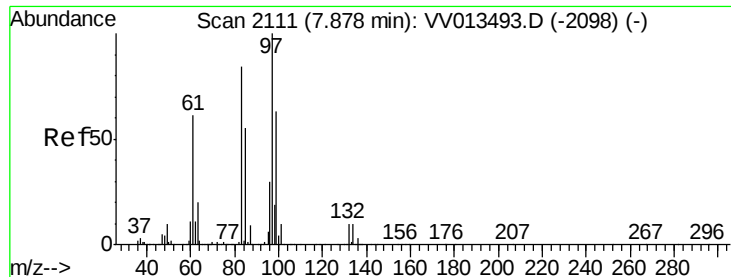
Tgt Ion: 75 Resp: 468668

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0

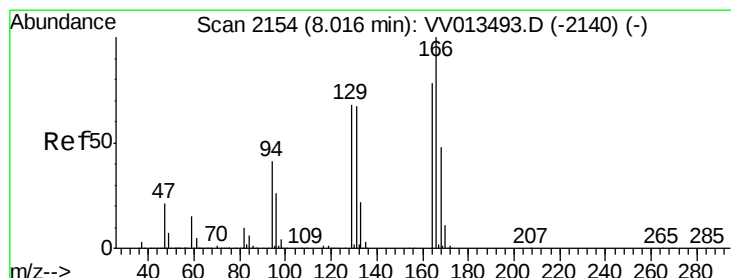
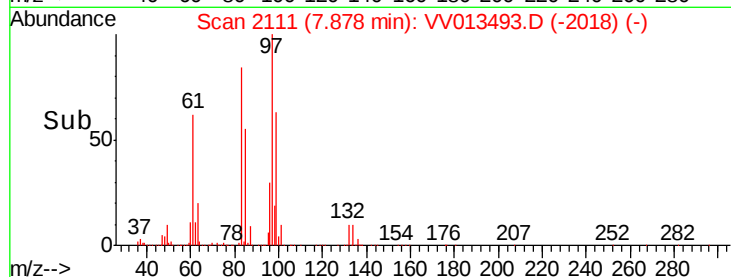
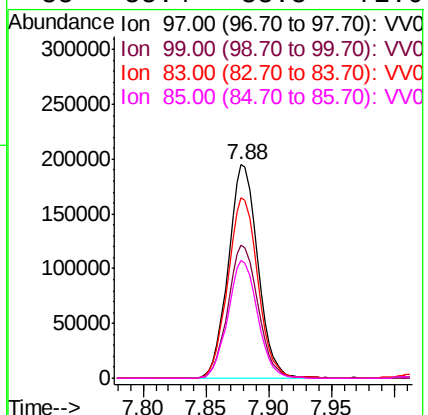
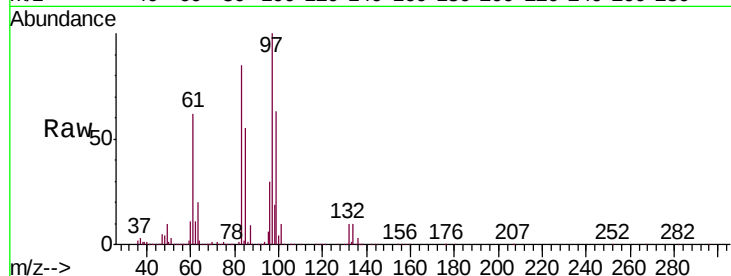




#45
 1,1,2-Trichloroethane
 Concen: 48.653 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV013493.D
 Acq: 06 Nov 2019 11:29

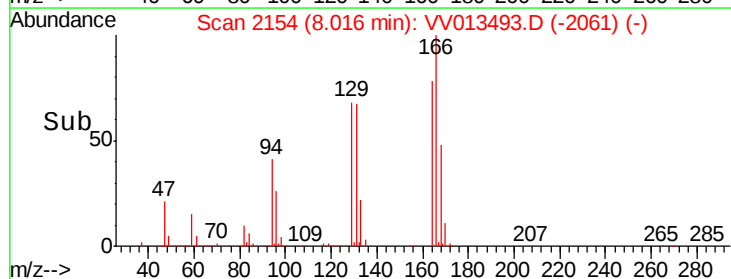
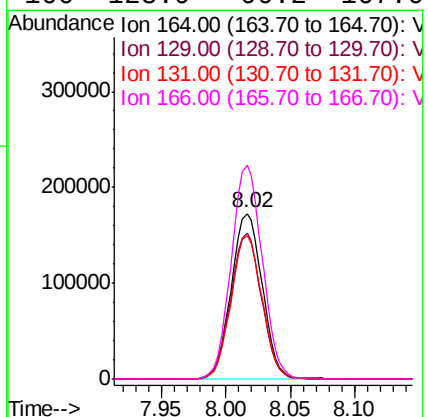
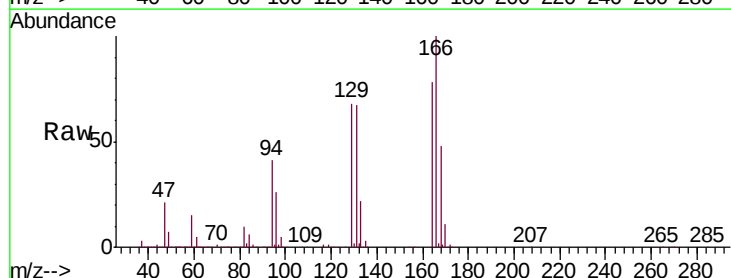
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

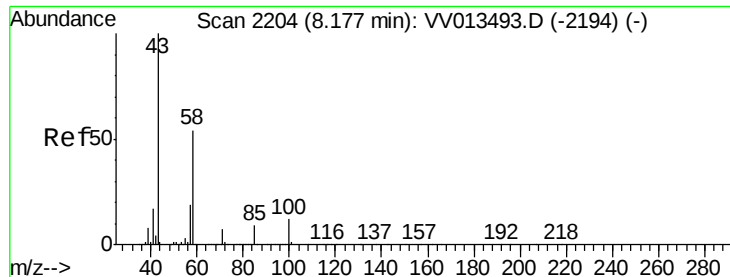
Tgt Ion:	97	Resp:	319617
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.8	81.4
83	84.5	59.1	109.9
85	55.4	38.8	72.0



#46
 Tetrachloroethene
 Concen: 47.166 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013493.D
 Acq: 06 Nov 2019 11:29

Tgt Ion:	164	Resp:	290037
Ion	Ratio	Lower	Upper
164	100		
129	87.9	61.5	114.3
131	86.6	60.6	112.6
166	128.9	90.2	167.6

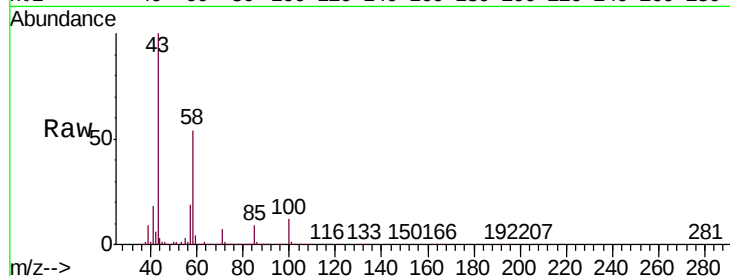




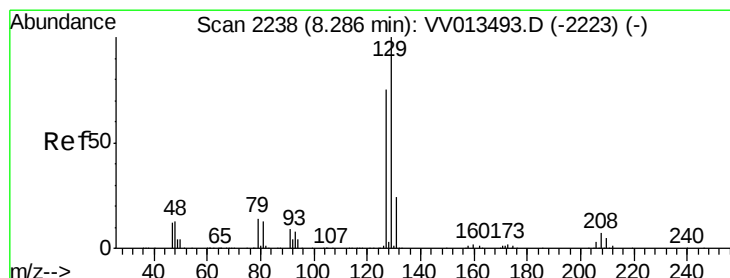
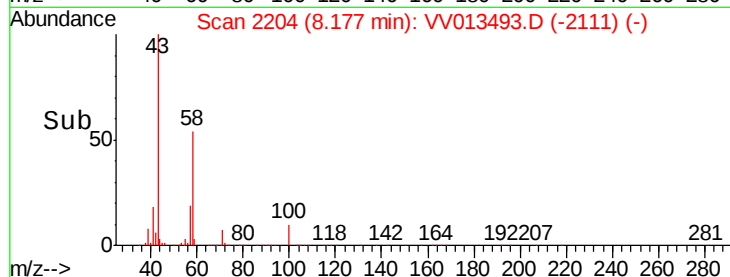
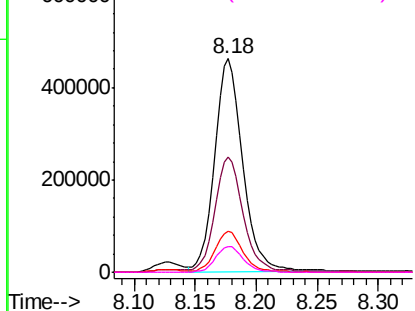
#48
2-Hexanone
Concen: 109.362 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV013493.D
Acq: 06 Nov 2019 11:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Tgt Ion:	43	Resp:	744955
Ion	Ratio	Lower	Upper
43	100		
58	54.2	43.4	65.0
57	19.0	15.2	22.8
100	12.4	9.9	14.9

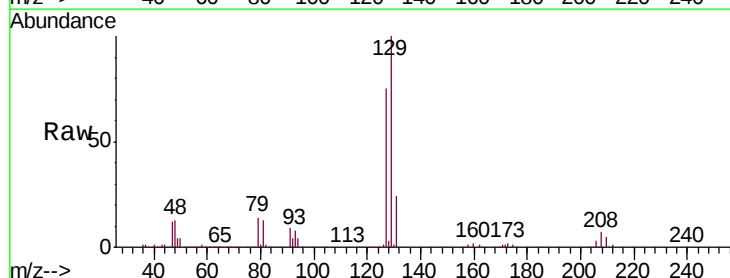


Abundance Ion 43.00 (42.70 to 43.70): VV013493.D (-2194) (-)
Ion 58.00 (57.70 to 58.70): VV013493.D (-2194) (-)
Ion 57.00 (56.70 to 57.70): VV013493.D (-2194) (-)
Ion 100.00 (99.70 to 100.70): VV013493.D (-2194) (-)

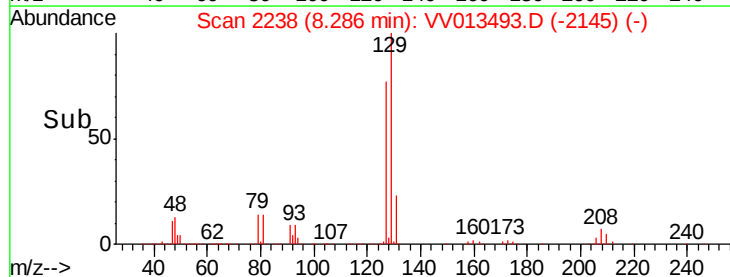
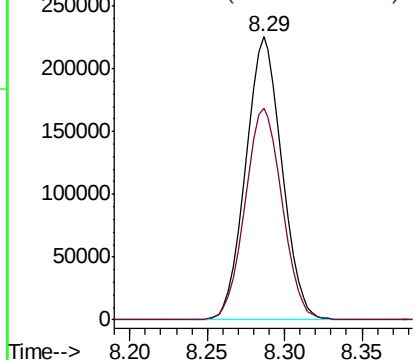


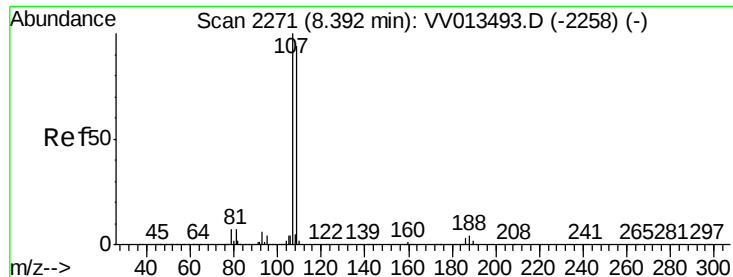
#49
Dibromochloromethane
Concen: 49.283 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013493.D
Acq: 06 Nov 2019 11:29

Tgt Ion:	129	Resp:	367607
Ion	Ratio	Lower	Upper
129	100		
127	75.0	52.5	97.5



Abundance Ion 129.00 (128.70 to 129.70): VV013493.D (-2223) (-)
Ion 127.00 (126.70 to 127.70): VV013493.D (-2223) (-)

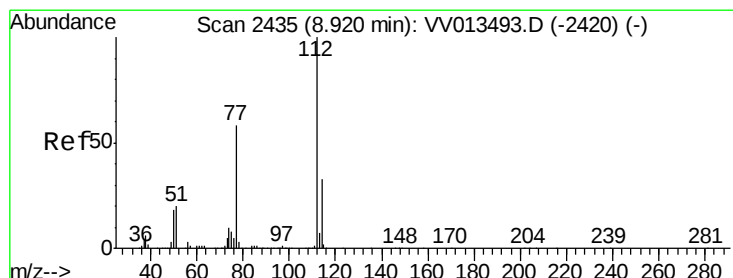
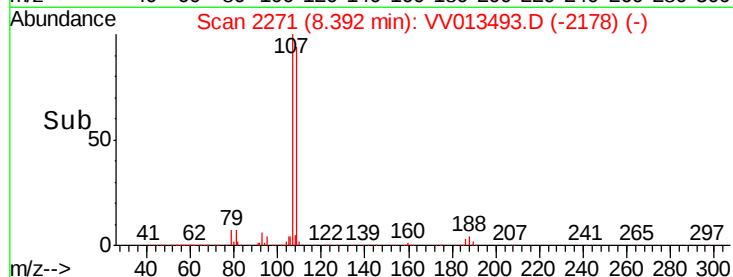
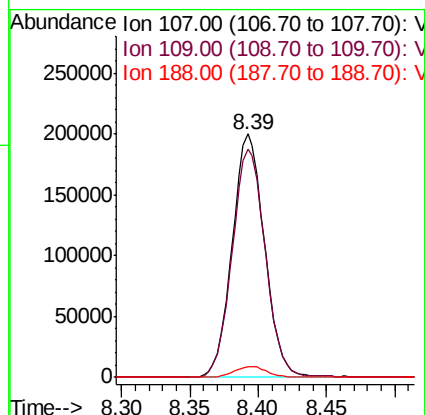
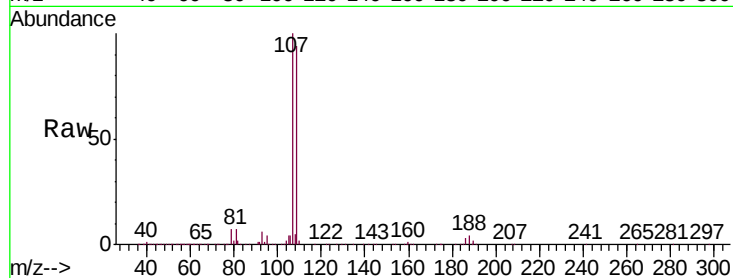




#50
1,2-Dibromoethane
Concen: 47.617 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013493.D
Acq: 06 Nov 2019 11:29

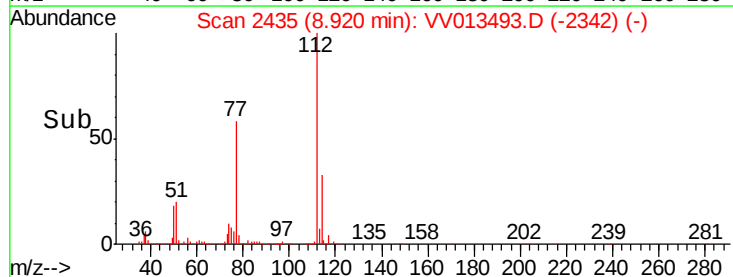
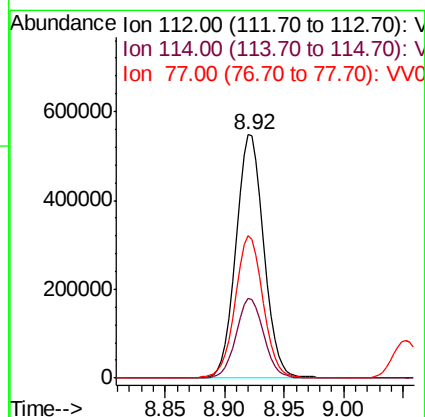
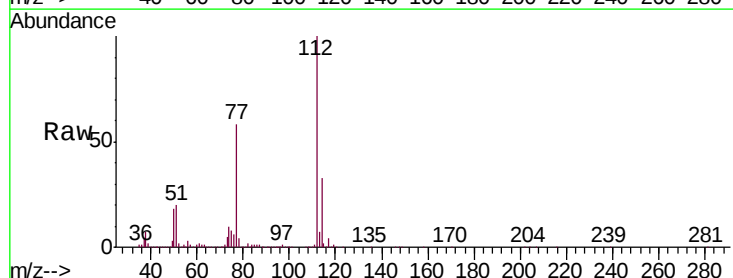
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

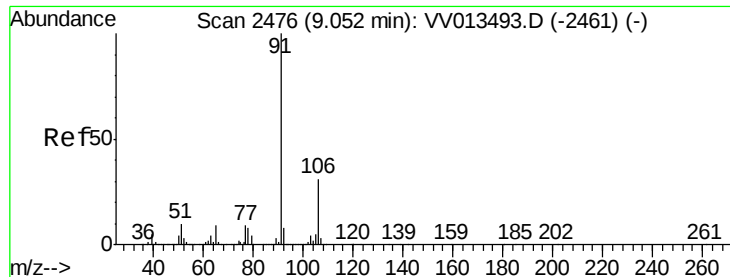
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	65.7	122.1
188	4.4	3.5	5.3



#51
Chlorobenzene
Concen: 48.266 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013493.D
Acq: 06 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.8	42.4
77	58.4	46.7	70.1





#52

Ethylbenzene

Concen: 52.637 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

Instrument :

MSVOA_V

ClientSampleId :

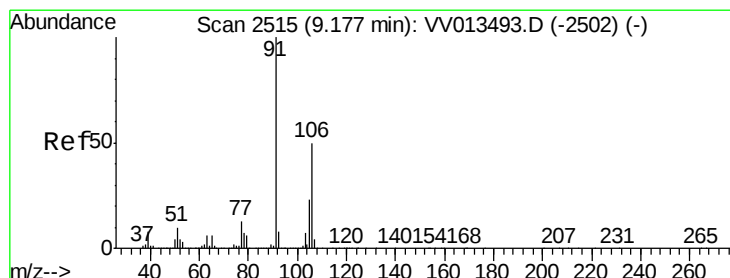
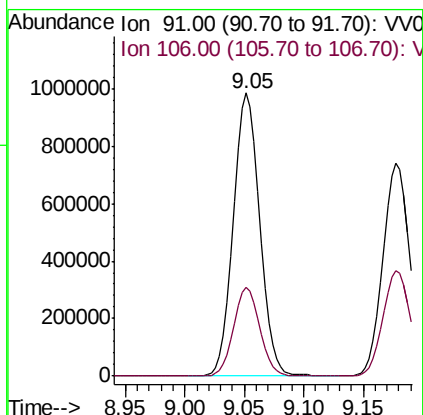
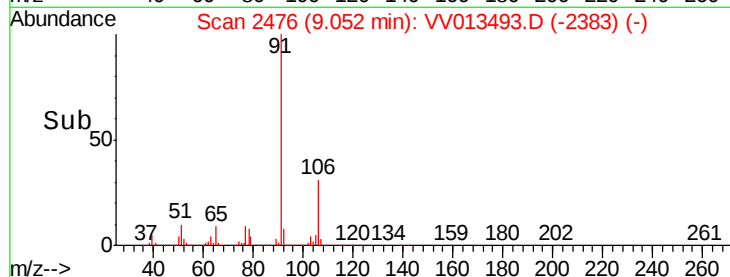
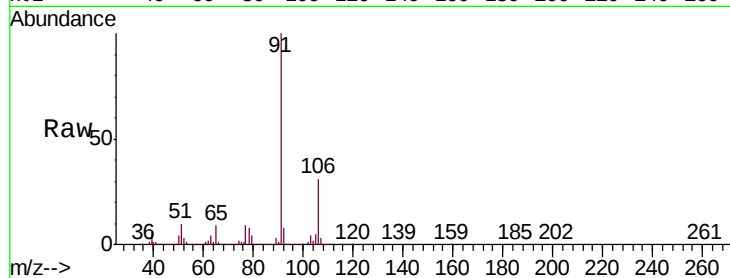
VSTD05065

Tgt Ion: 91 Resp: 1516774

Ion Ratio Lower Upper

91 100

106 31.4 22.0 40.8



#53

m,p-Xylene

Concen: 52.337 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013493.D

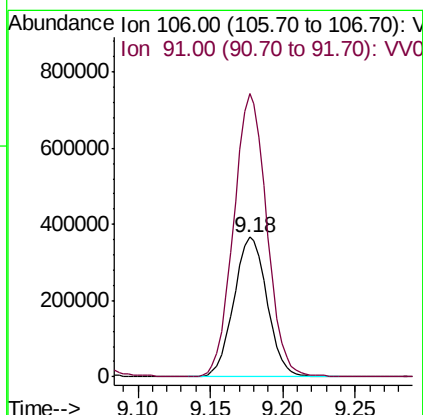
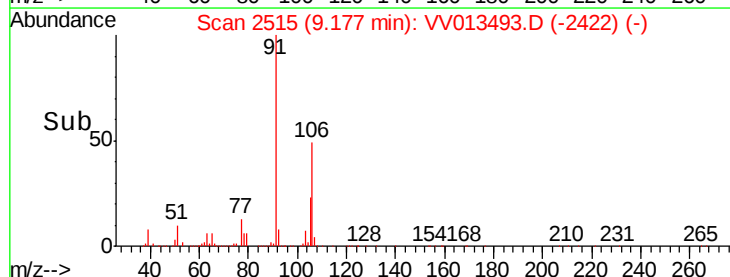
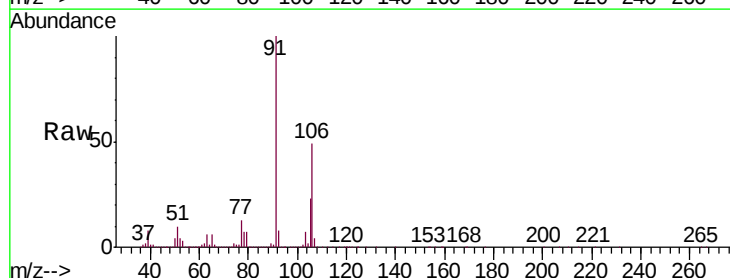
Acq: 06 Nov 2019 11:29

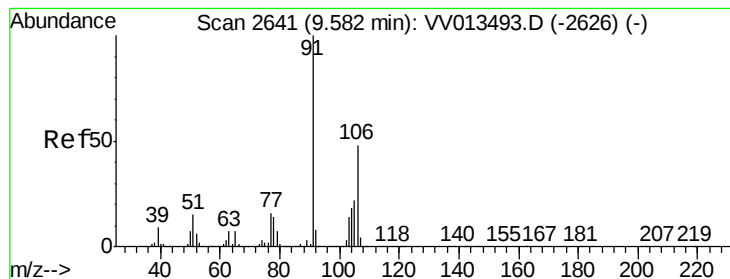
Tgt Ion: 106 Resp: 583056

Ion Ratio Lower Upper

106 100

91 202.3 141.6 263.0





#54

o-xylene

Concen: 52.045 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

Instrument :

MSVOA_V

ClientSampleId :

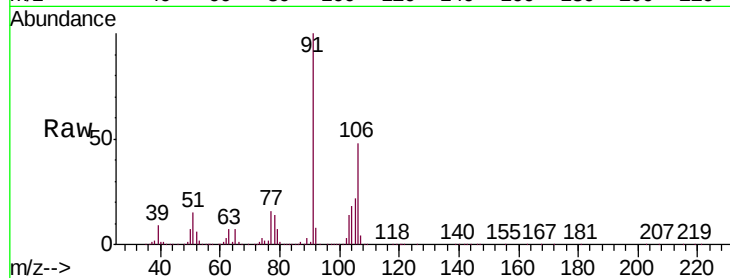
VSTD05065

Tgt Ion:106 Resp: 566473

Ion Ratio Lower Upper

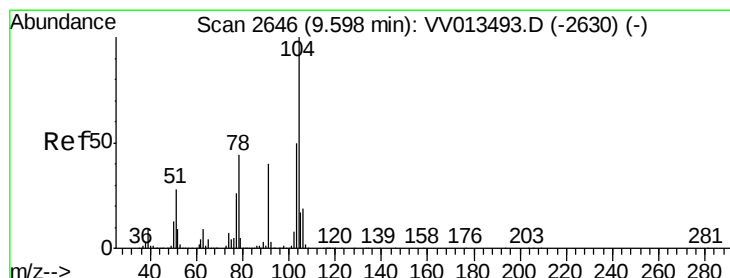
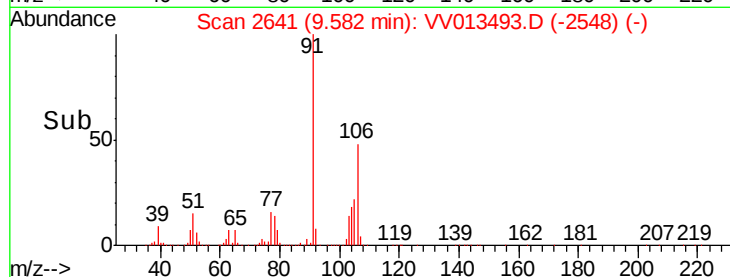
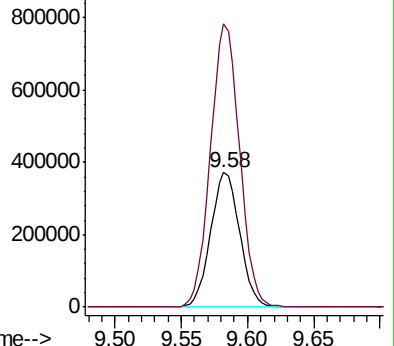
106 100

91 210.3 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.276 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013493.D

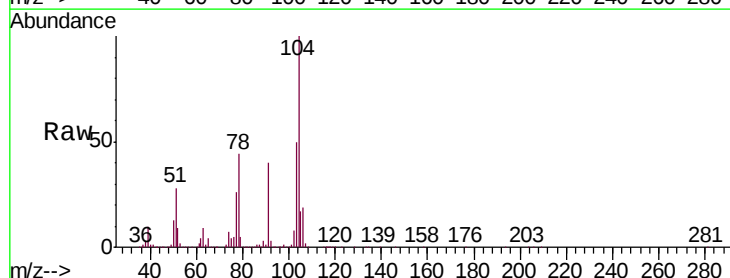
Acq: 06 Nov 2019 11:29

Tgt Ion:104 Resp: 982528

Ion Ratio Lower Upper

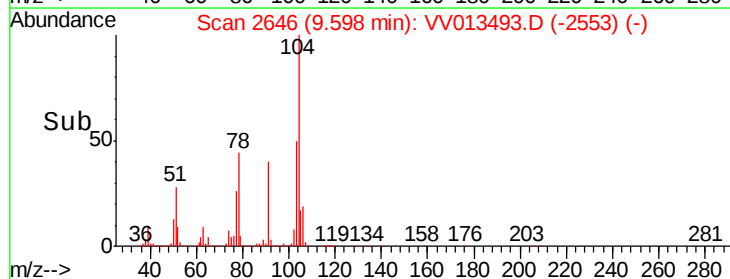
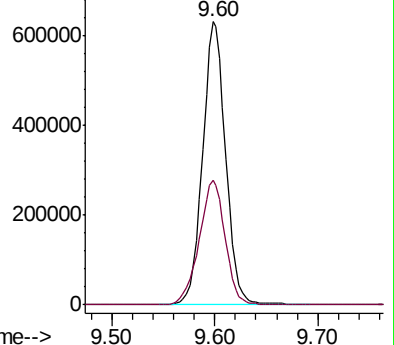
104 100

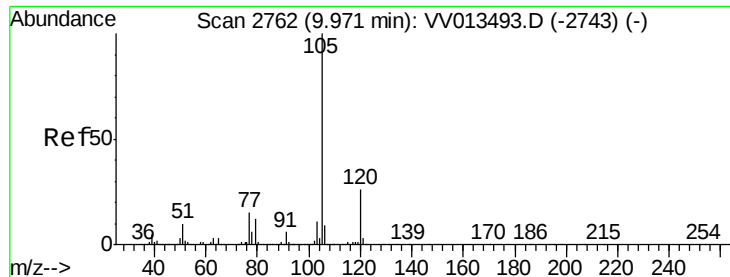
78 44.1 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.407 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

Instrument :

MSVOA_V

ClientSampled :

VSTD05065

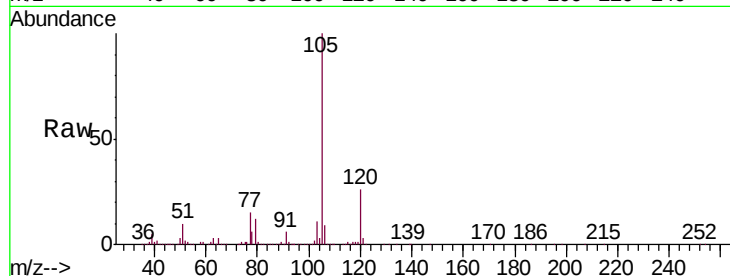
Tgt Ion:105 Resp: 1488599

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

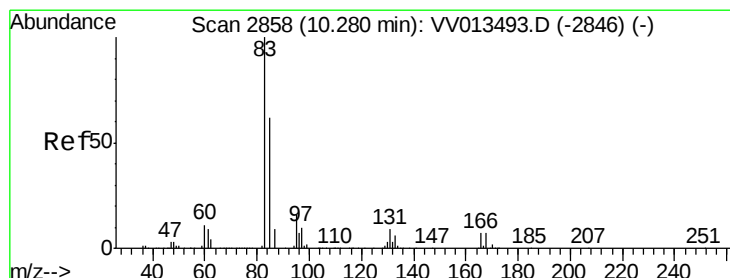
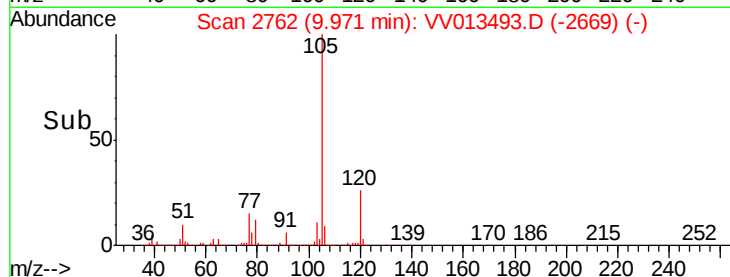
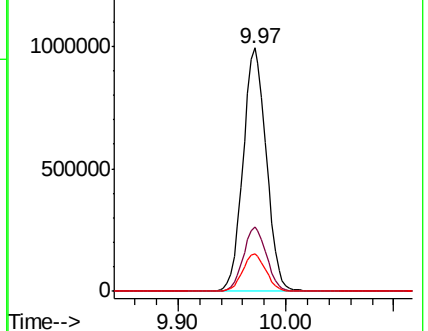
77 15.3 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.723 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

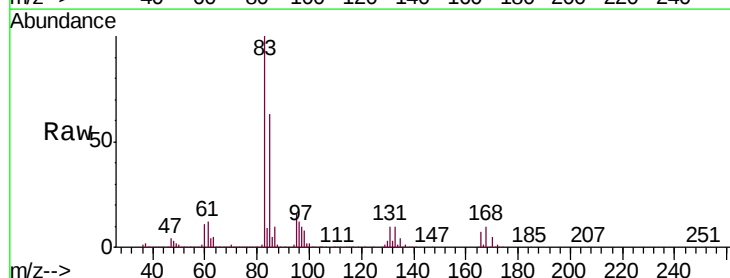
Tgt Ion: 83 Resp: 492647

Ion Ratio Lower Upper

83 100

85 62.8 44.0 81.6

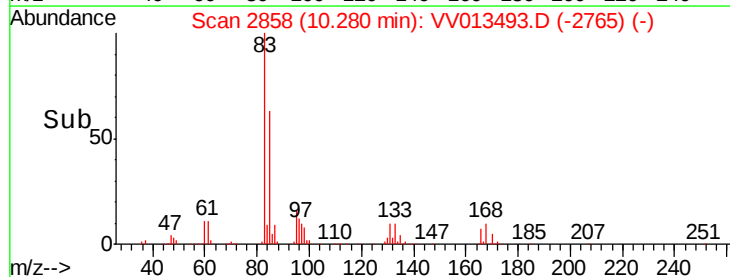
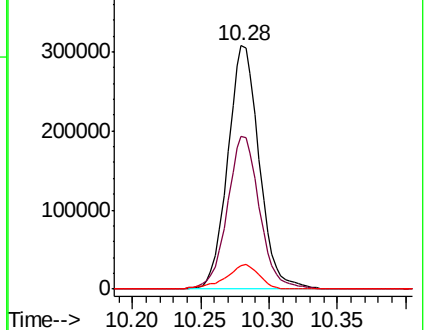
131 9.6 7.7 11.5

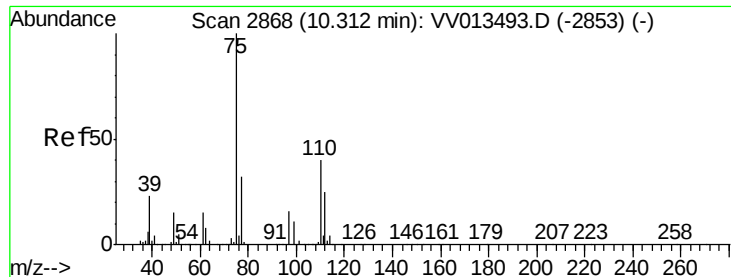


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.063 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

Instrument :

MSVOA_V

ClientSampleId :

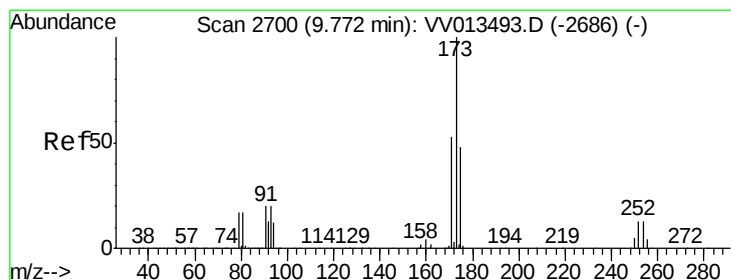
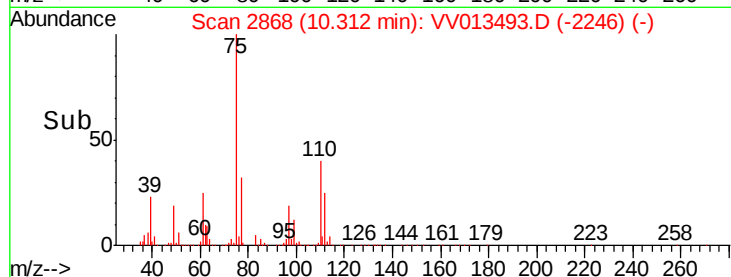
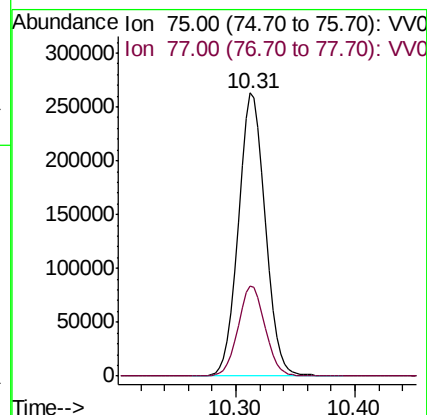
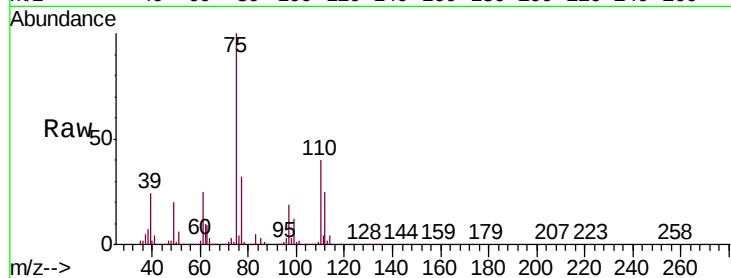
VSTD05065

Tgt Ion: 75 Resp: 409534

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#61

Bromoform

Concen: 46.878 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

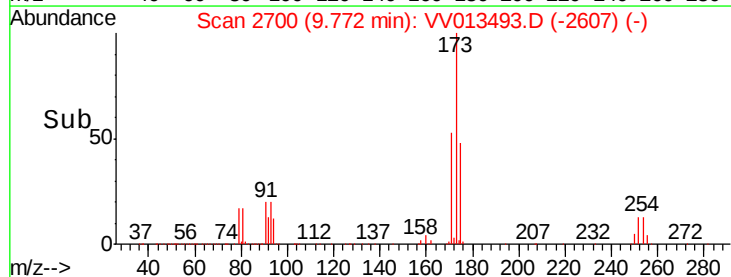
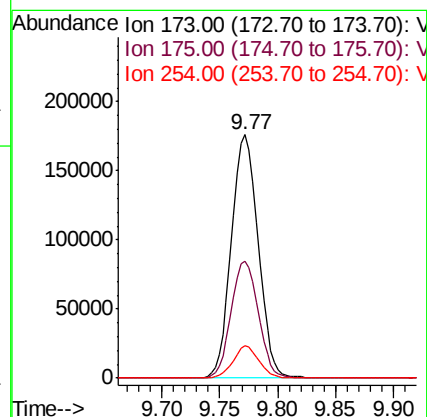
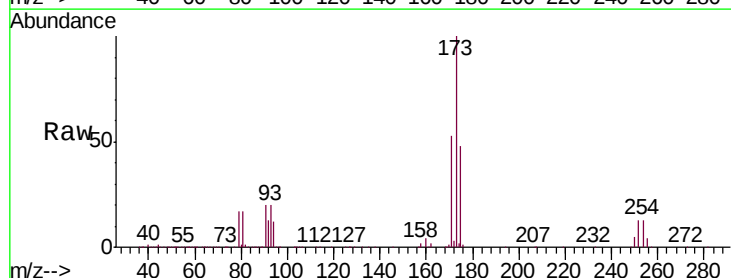
Tgt Ion: 173 Resp: 281262

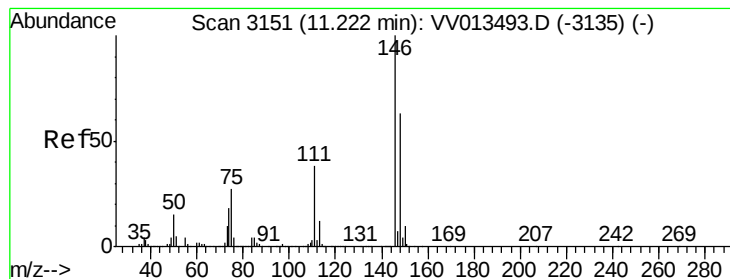
Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

254 12.7 10.2 15.2





#62

1,3-Dichlorobenzene

Concen: 48.880 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

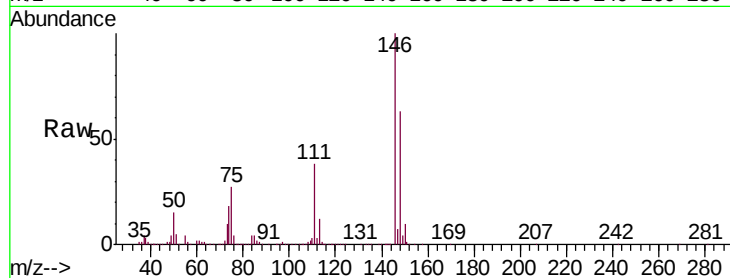
Tgt Ion:146 Resp: 726631

Ion Ratio Lower Upper

146 100

111 37.7 26.4 49.0

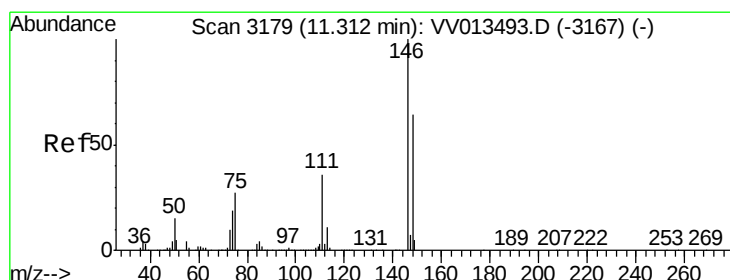
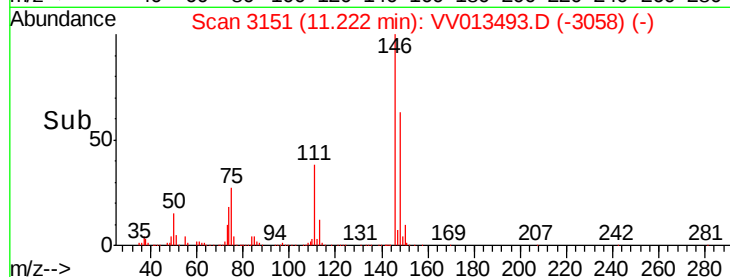
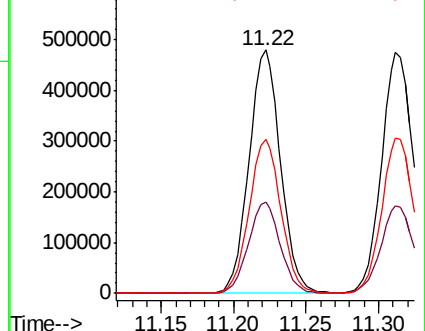
148 63.4 44.4 82.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 47.396 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

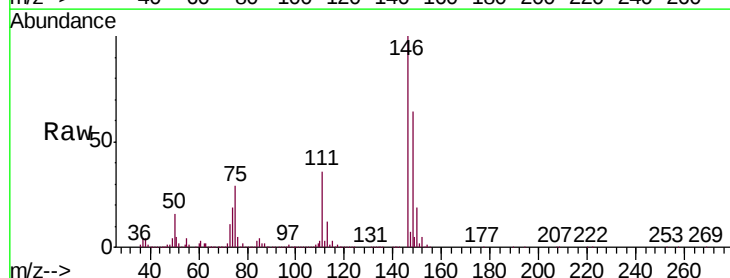
Tgt Ion:146 Resp: 731596

Ion Ratio Lower Upper

146 100

111 36.4 25.5 47.3

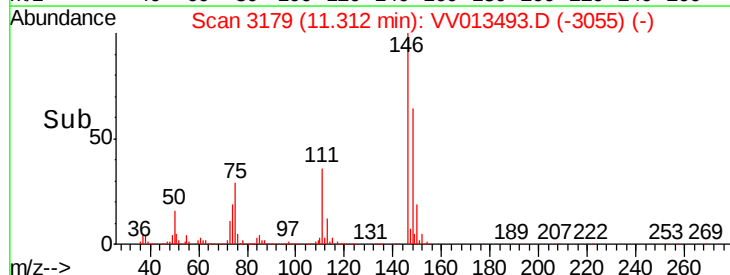
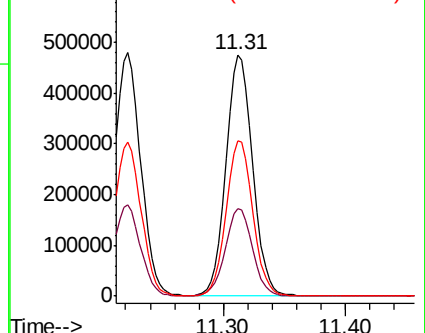
148 64.2 44.9 83.5

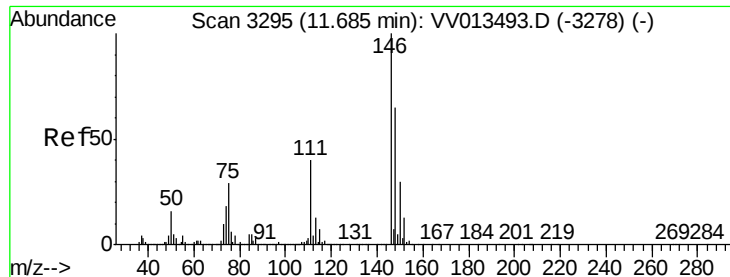


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

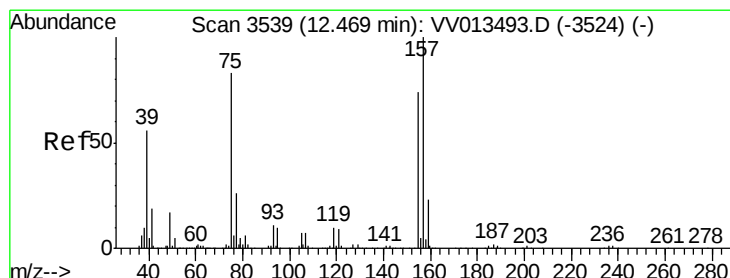
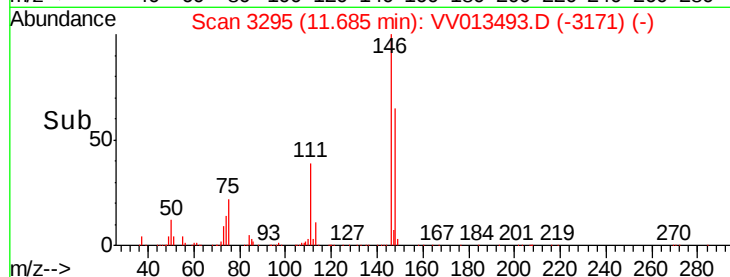
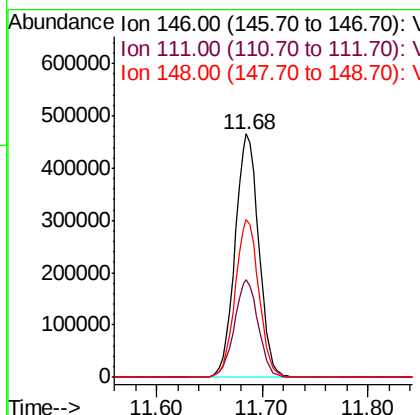
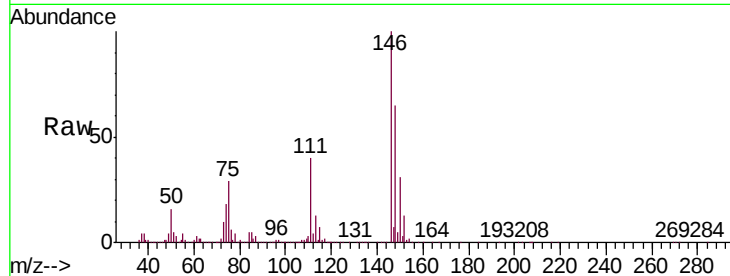




#65
 1,2-Dichlorobenzene
 Concen: 47.246 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013493.D
 Acq: 06 Nov 2019 11:29

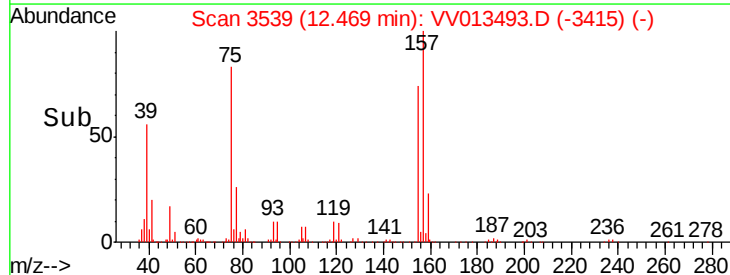
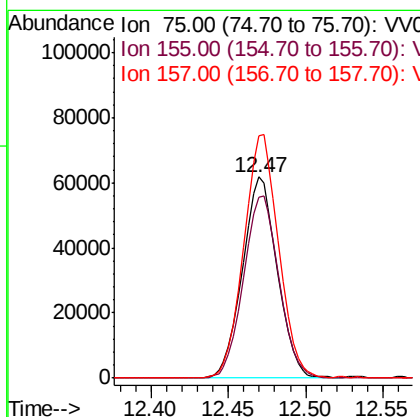
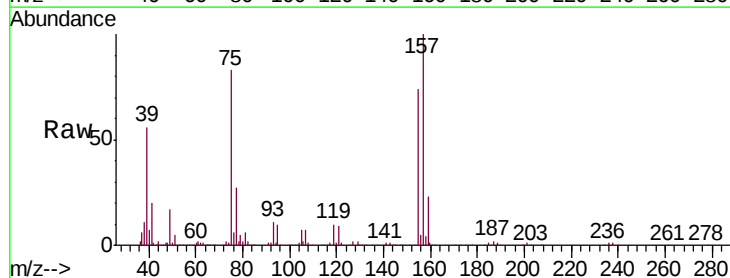
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

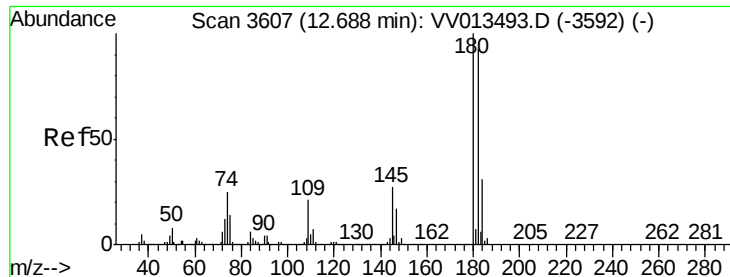
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	32.1	48.1
148	65.0	52.0	78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.381 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV013493.D
 Acq: 06 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	71.9	107.9
157	120.8	96.6	145.0

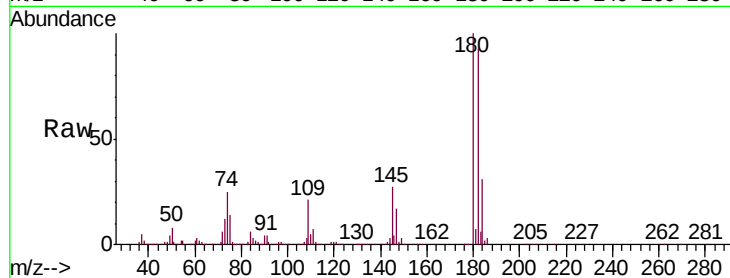




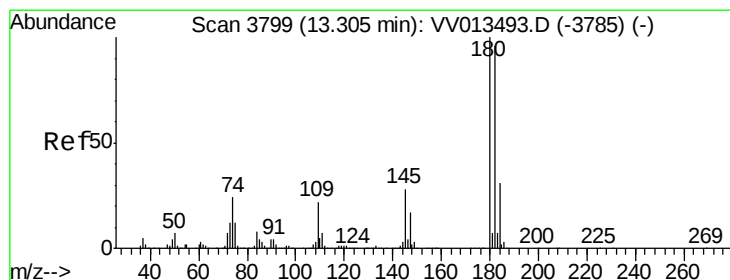
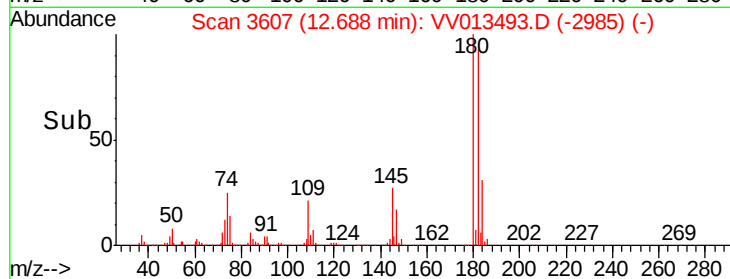
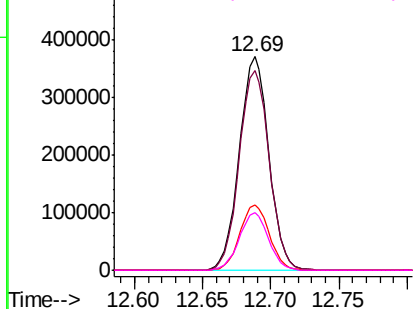
#67
 1,3,5-Trichlorobenzene
 Concen: 49.380 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013493.D
 Acq: 06 Nov 2019 11:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Tgt Ion:	180	Resp:	556873
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
184	30.4	24.3	36.5
145	26.5	21.2	31.8

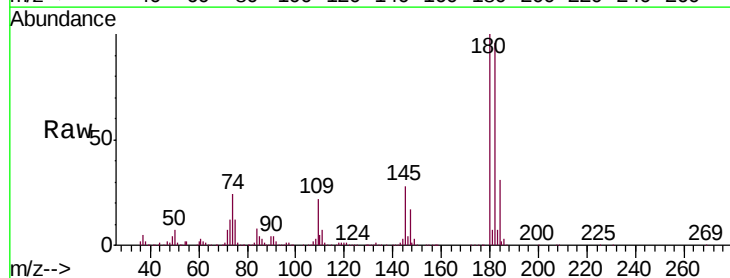


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

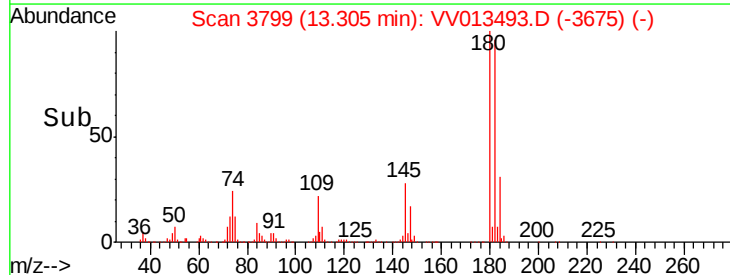
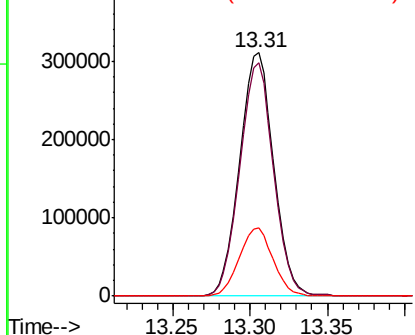


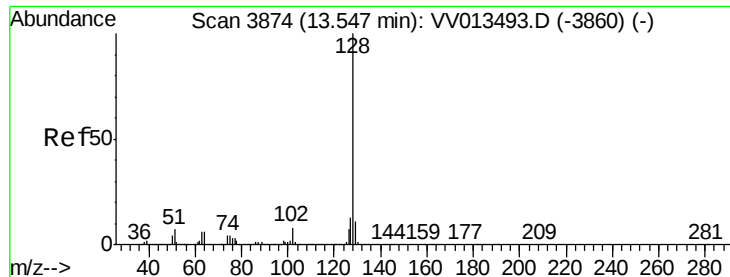
#68
 1,2,4-trichlorobenzene
 Concen: 50.084 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013493.D
 Acq: 06 Nov 2019 11:29

Tgt Ion:	180	Resp:	474637
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
145	28.0	22.4	33.6



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





#69

Naphthalene

Concen: 51.343 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

Instrument :

MSVOA_V

ClientSampled :

VSTD05065

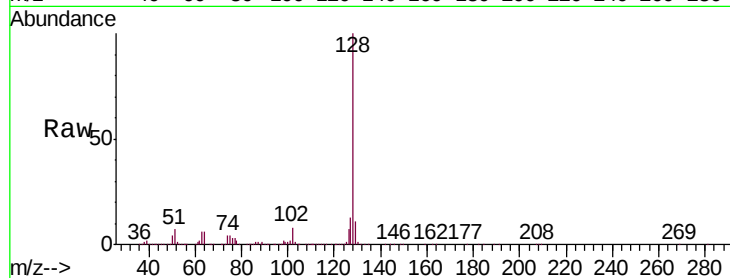
Tgt Ion:128 Resp: 1298738

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

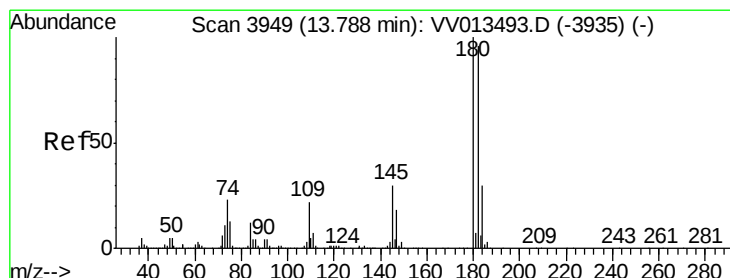
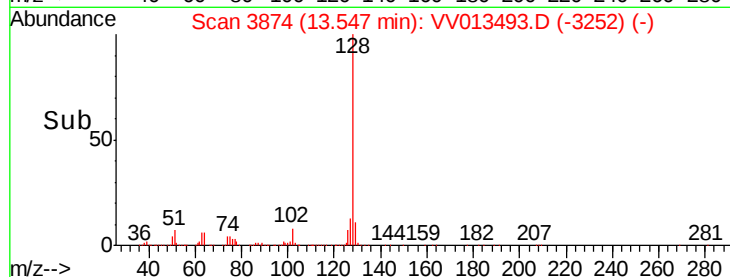
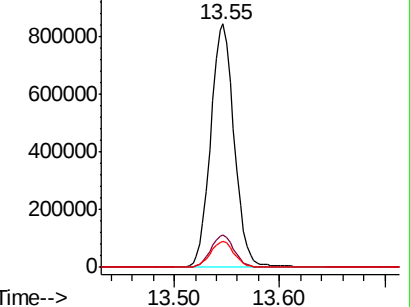
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.081 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013493.D

Acq: 06 Nov 2019 11:29

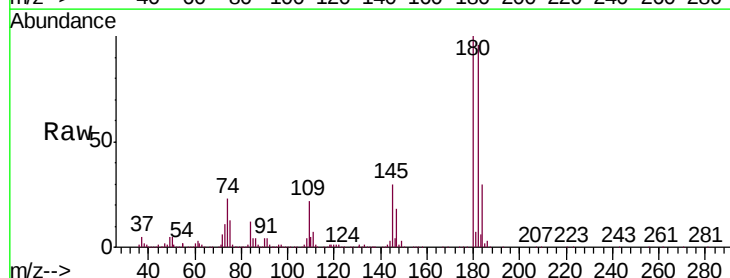
Tgt Ion:180 Resp: 504729

Ion Ratio Lower Upper

180 100

182 96.7 77.4 116.0

145 30.0 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

