

Data File : VV014427.D
Acq On : 29 Jan 2020 16:20
Operator : SY/MD
Sample : VSTD01033
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Quant Time: Jan 30 00:56:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR012920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jan 30 00:51:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	225228	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	207821	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	100006	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123903	8.11	ug/L	0.00
7) Chloroethane-d5	1.58	69	82483	7.14	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	187072	8.39	ug/L	0.00
20) 2-Butanone-d5	3.95	46	249161	70.03	ug/L	0.00
24) Chloroform-d	4.40	84	280090	9.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	124408	8.39	ug/L	0.00
32) Benzene-d6	5.10	84	601633	9.74	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	176810	9.29	ug/L	0.00
41) Toluene-d8	7.35	98	551828	9.72	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	74686	8.98	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	283638	82.24	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	123880	9.36	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	179120	9.53	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	174323	10.201	ug/L	100
3) Chloromethane	1.25	50	129439	8.005	ug/L	99
5) Vinyl chloride	1.32	62	127514	8.373	ug/L	99
6) Bromomethane	1.54	94	43110	5.363	ug/L	99
8) Chloroethane	1.60	64	62971	7.417	ug/L	97
9) Trichlorofluoromethane	1.77	101	169435	9.193	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	92240	9.318	ug/L	99
12) 1,1-Dichloroethene	2.14	96	83841	8.616	ug/L	85
13) Acetone	2.21	43	149835	60.293	ug/L	95
14) Carbon disulfide	2.32	76	436371	9.724	ug/L	100
15) Methyl Acetate	2.47	43	32498	5.721	ug/L #	84
16) Methylene chloride	2.54	84	146662	8.911	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	313353	8.674	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	148867	9.818	ug/L	98
19) 1,1-Dichloroethane	3.23	63	274199	9.310	ug/L	100
21) 2-Butanone	4.03	43	248620	66.535	ug/L	87
22) cis-1,2-Dichloroethene	3.96	96	161482	9.700	ug/L	99
23) Bromochloromethane	4.30	128	60347	9.607	ug/L	94
25) Chloroform	4.42	83	271028	9.531	ug/L	98
27) 1,2-Dichloroethane	5.18	62	145759	8.763	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	231885	9.384	ug/L	99
30) Cyclohexane	4.72	56	273588	10.023	ug/L	99
31) Carbon tetrachloride	4.87	117	201828	9.581	ug/L	98
33) Benzene	5.14	78	619699	9.634	ug/L	100
34) Trichloroethene	5.96	95	160315	9.679	ug/L	96
35) Methylcyclohexane	6.17	83	279073	10.312	ug/L	99
37) 1,2-Dichloropropane	6.22	63	152267	9.448	ug/L	100
38) Bromodichloromethane	6.55	83	190109	9.219	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	237074	9.198	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	859574	86.643	ug/L	99

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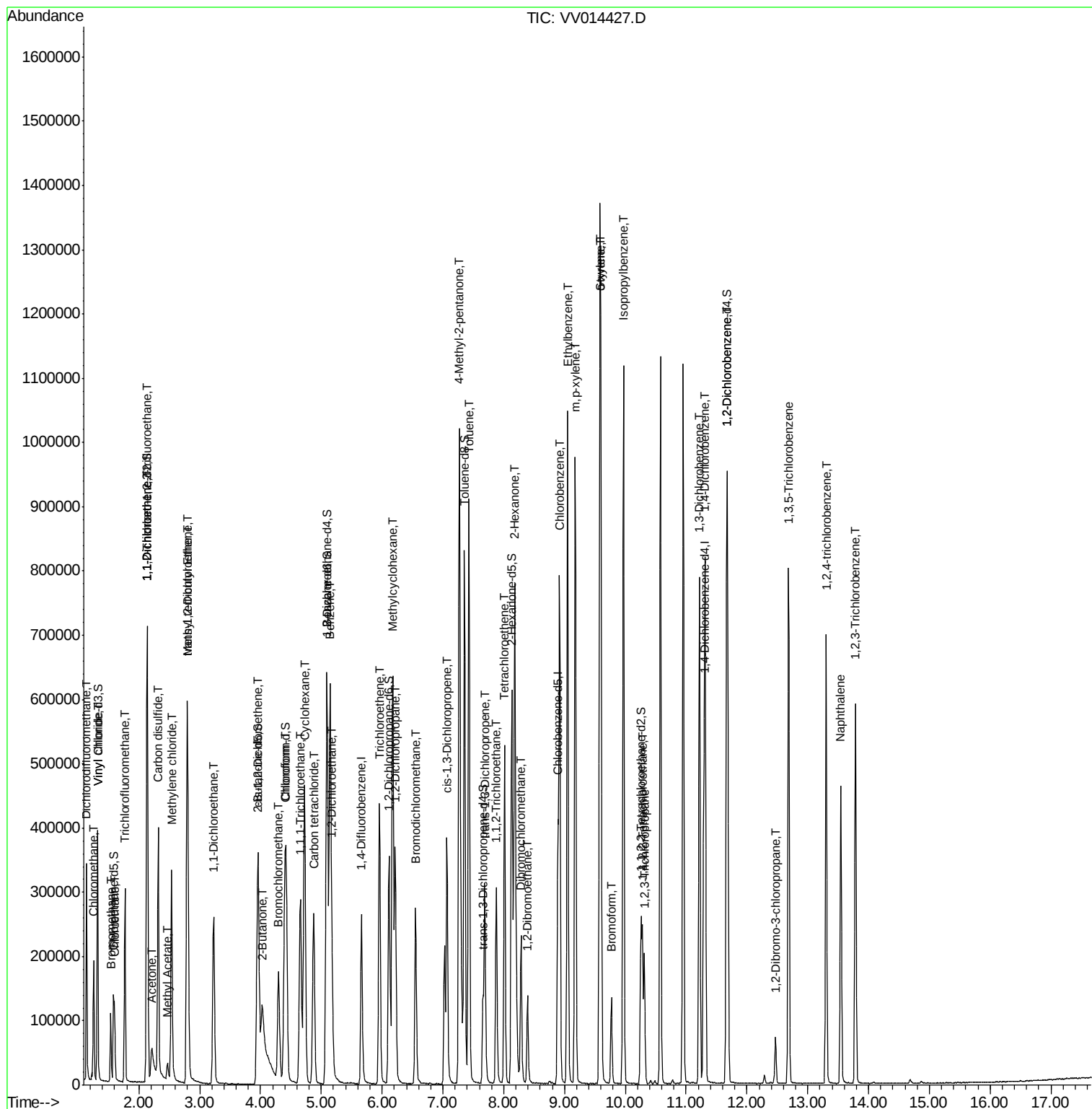
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	654285	9.640	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	176925	9.017	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	98960	9.556	ug/L	99
47) Tetrachloroethene	8.01	164	113781	9.990	ug/L	98
48) 2-Hexanone	8.18	43	606252	88.454	ug/L	98
49) Dibromochloromethane	8.29	129	119269	9.226	ug/L	99
50) 1,2-Dibromoethane	8.39	107	93577	9.424	ug/L	100
51) Chlorobenzene	8.92	112	401968	9.619	ug/L	98
52) Ethylbenzene	9.05	91	742194	9.792	ug/L	100
53) m,p-xylene	9.18	106	278989	9.922	ug/L	99
54) o-xylene	9.58	106	267352	9.682	ug/L	94
55) Styrene	9.60	104	449721	9.669	ug/L	99
56) Isopropylbenzene	9.97	105	715030	9.955	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	120434	9.548	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	85051	8.947	ug/L	97
61) Bromoform	9.77	173	59660	8.991	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	307171	9.754	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	309143	9.880	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	274713	9.650	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	19563	7.755	ug/L	98
67) 1,3,5-Trichlorobenzene	12.68	180	228268	9.972	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	197196	9.867	ug/L	99
69) Naphthalene	13.54	128	356334	9.013	ug/L	99
70) 1,2,3-Trichlorobenzene	13.78	180	168677	9.636	ug/L	100

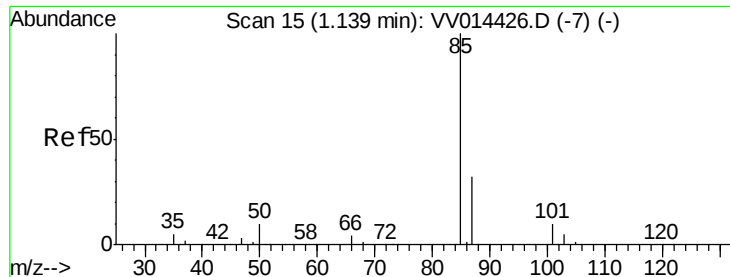
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 10.201 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014427.D

Acq: 29 Jan 2020 16:20

Instrument :

MSVOA_V

ClientSampleId :

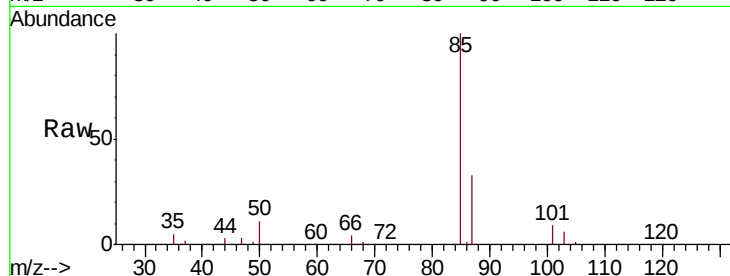
VSTD01033

Tgt Ion: 85 Resp: 174323

Ion Ratio Lower Upper

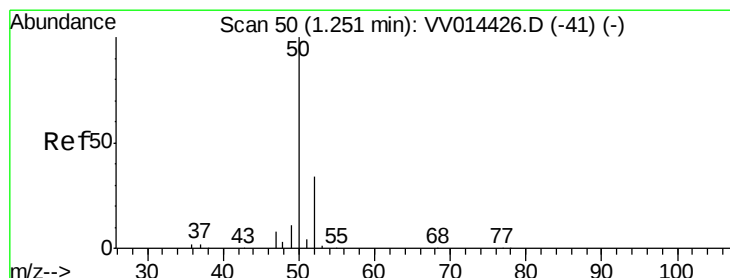
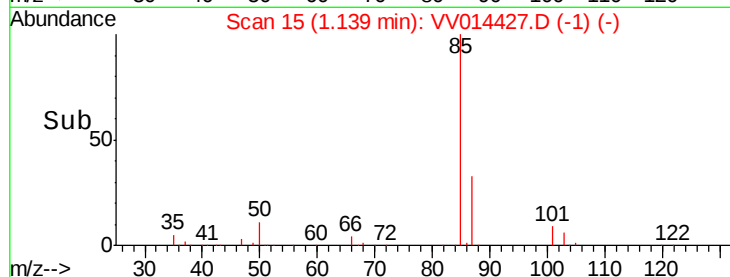
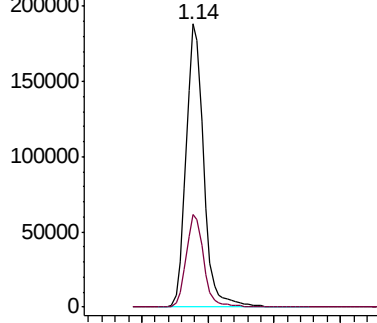
85 100

87 32.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 8.005 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014427.D

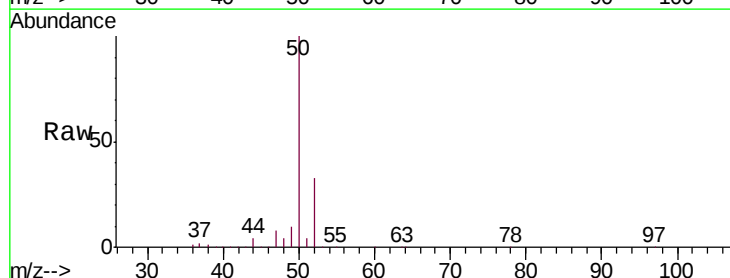
Acq: 29 Jan 2020 16:20

Tgt Ion: 50 Resp: 129439

Ion Ratio Lower Upper

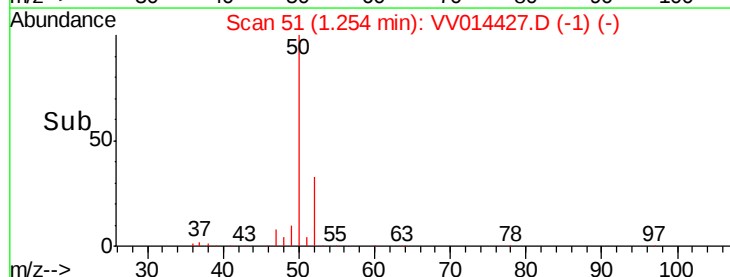
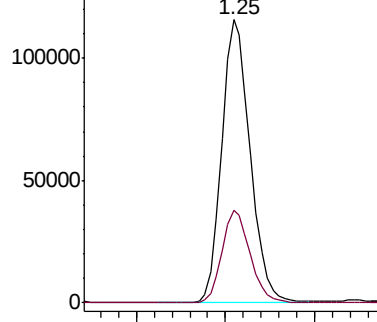
50 100

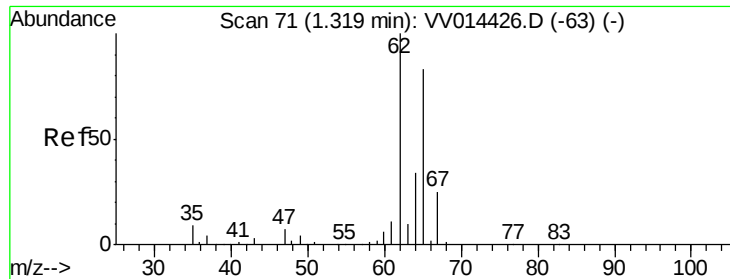
52 32.8 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 8.373 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014427.D

Acq: 29 Jan 2020 16:20

Instrument :

MSVOA_V

ClientSampleId :

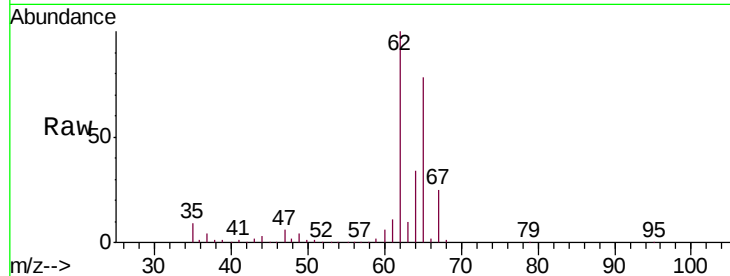
VSTD01033

Tgt Ion: 62 Resp: 127514

Ion Ratio Lower Upper

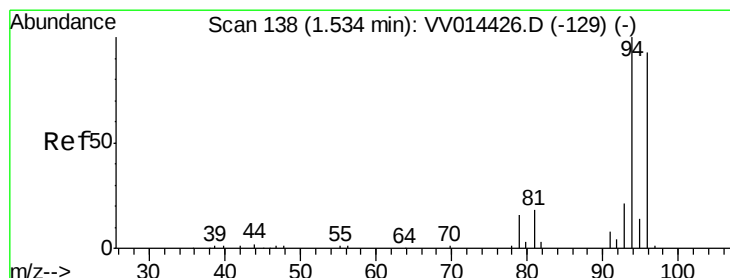
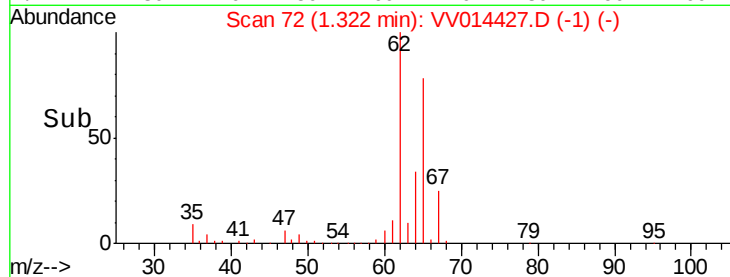
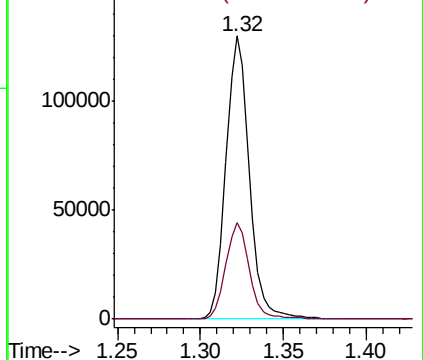
62 100

64 33.9 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.363 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014427.D

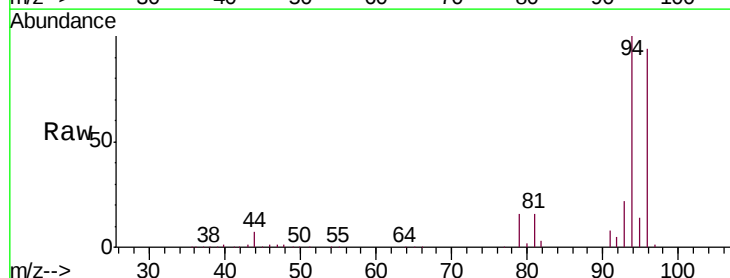
Acq: 29 Jan 2020 16:20

Tgt Ion: 94 Resp: 43110

Ion Ratio Lower Upper

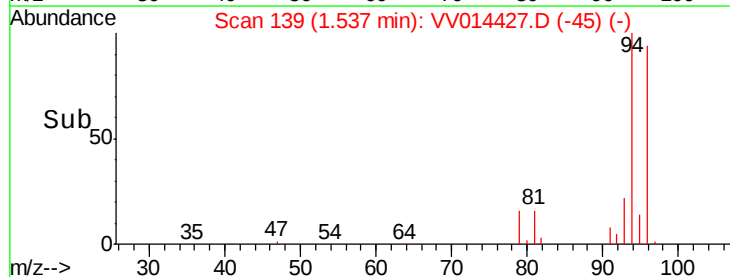
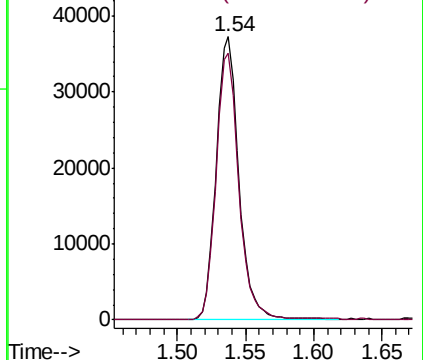
94 100

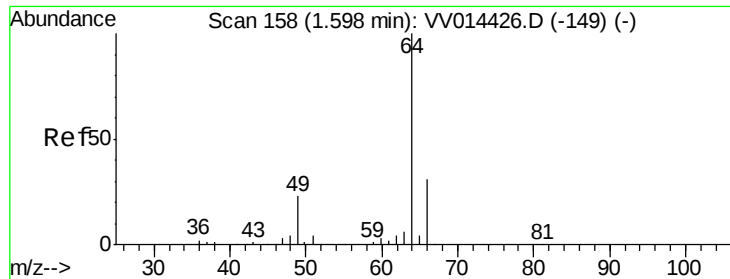
96 94.3 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 7.417 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014427.D

Acq: 29 Jan 2020 16:20

Instrument :

MSVOA_V

ClientSampleId :

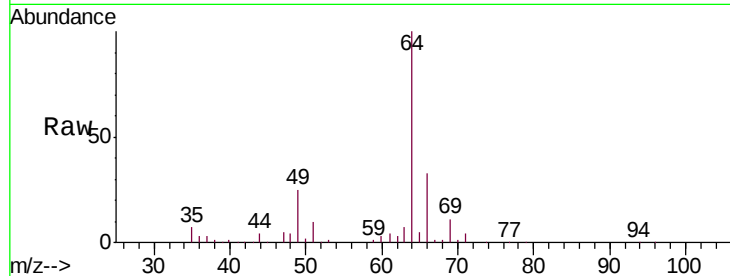
VSTD01033

Tgt Ion: 64 Resp: 62971

Ion Ratio Lower Upper

64 100

66 32.6 21.7 40.3



Abundance Ion 64.10 (63.80 to 64.80): VV014426.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV014427.D (-65) (-)

1.60

60000

50000

40000

30000

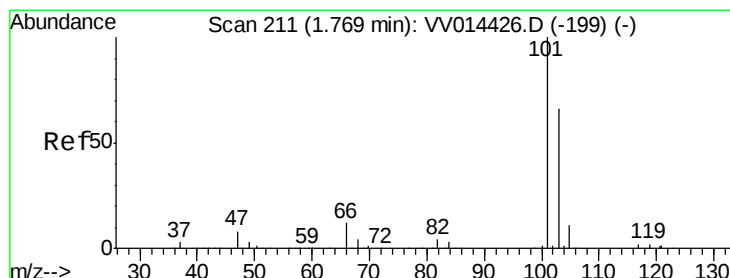
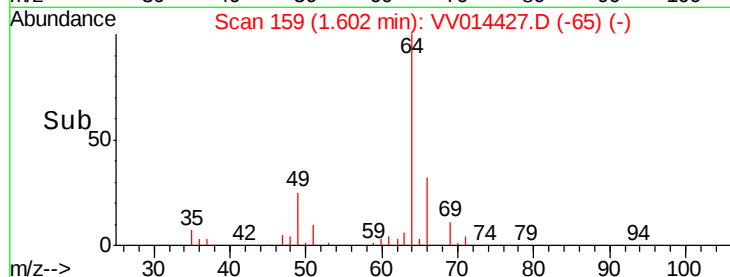
20000

10000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 9.193 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV014427.D

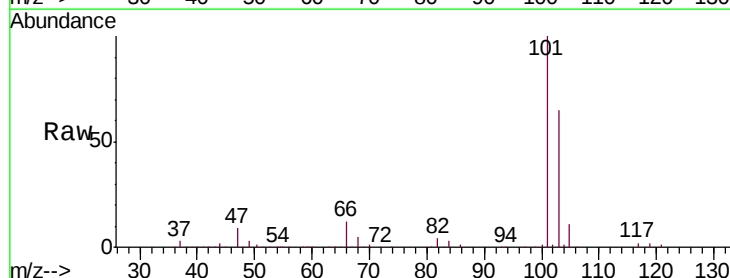
Acq: 29 Jan 2020 16:20

Tgt Ion: 101 Resp: 169435

Ion Ratio Lower Upper

101 100

103 65.7 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV014426.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV014427.D (-118) (-)

1.77

150000

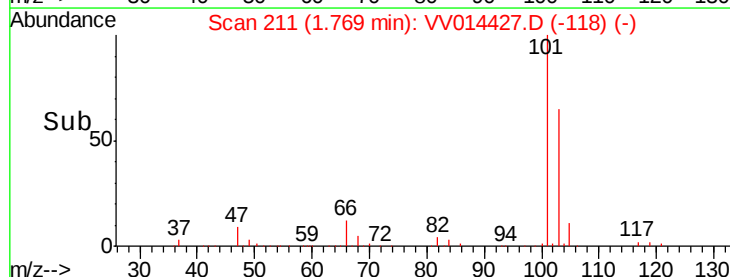
100000

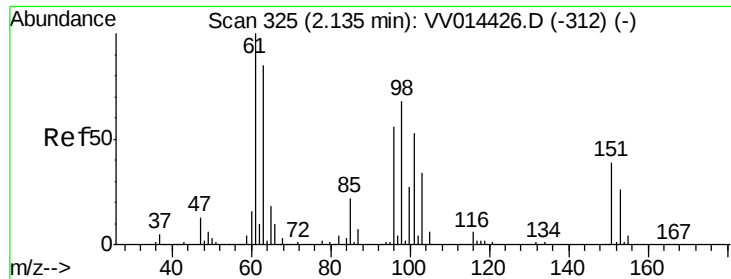
50000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 9.318 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014427.D

Acq: 29 Jan 2020 16:20

Instrument :

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ClientSampleId :

VSTD01033

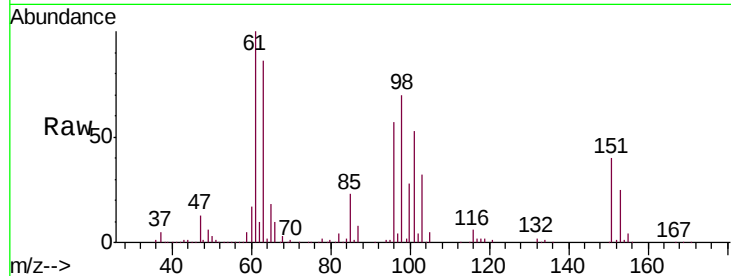
Tgt Ion: 101 Resp: 92240

Ion Ratio Lower Upper

101 100

85 42.5 33.2 49.8

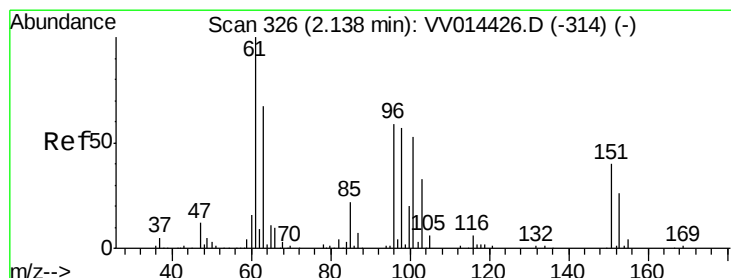
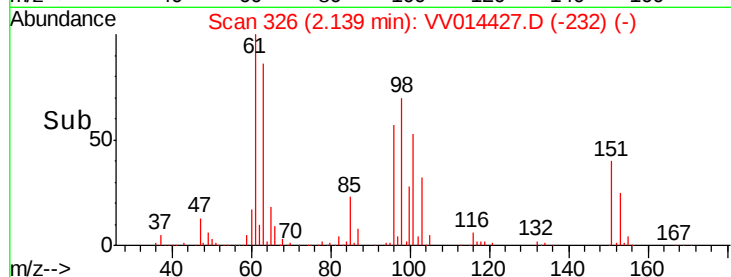
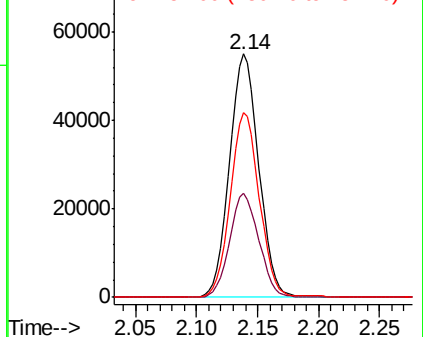
151 75.5 59.6 89.4



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: 8.616 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014427.D

Acq: 29 Jan 2020 16:20

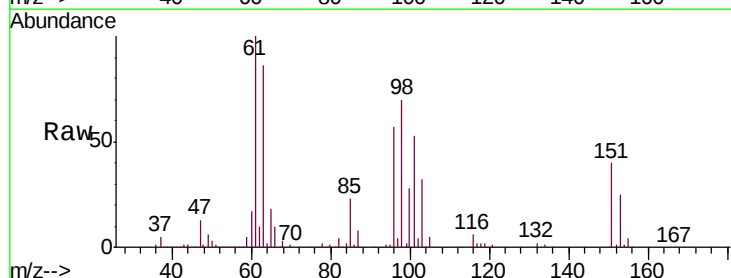
Tgt Ion: 96 Resp: 83841

Ion Ratio Lower Upper

96 100

61 176.6 120.0 223.0

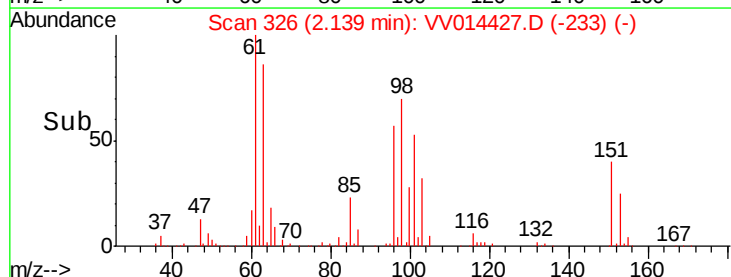
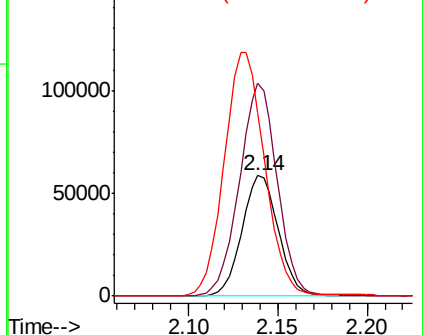
63 151.9 82.4 153.0

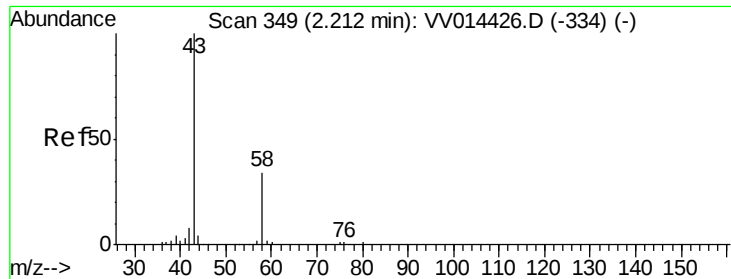


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 60.293 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

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ClientSampleId :

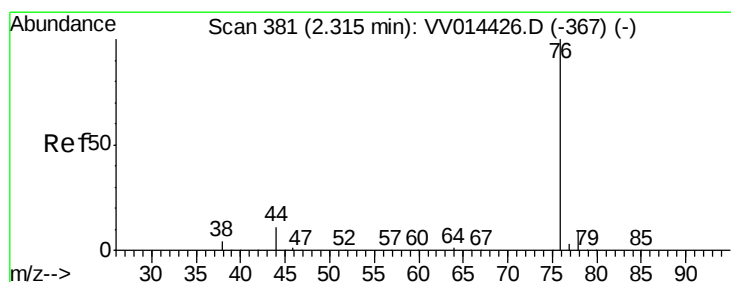
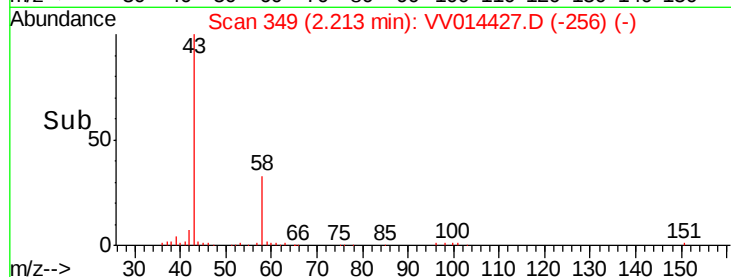
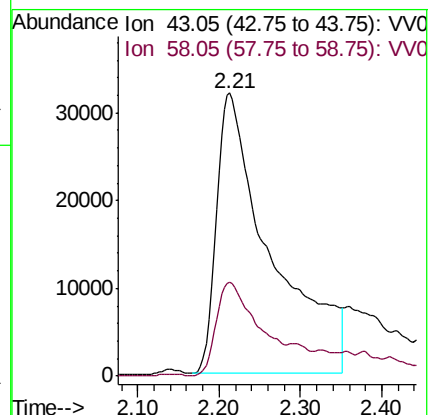
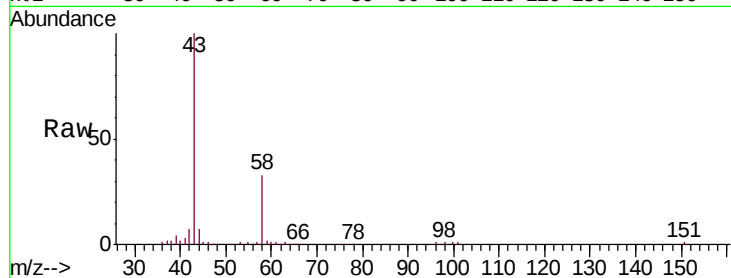
VSTD01033

Tgt Ion: 43 Resp: 149835

Ion Ratio Lower Upper

43 100

58 25.9 0.0 47.0



#14

Carbon disulfide

Concen: 9.724 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014427.D

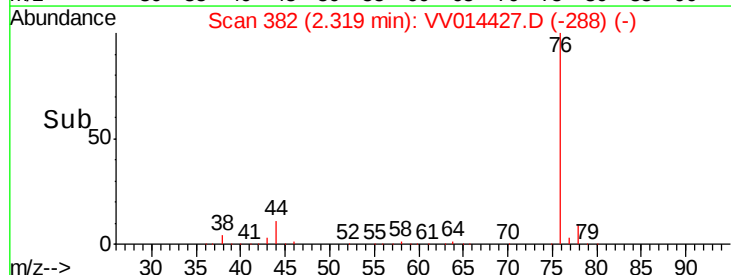
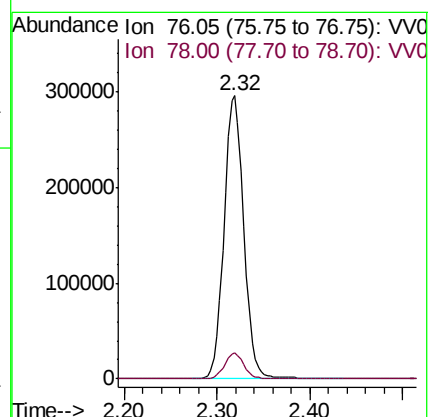
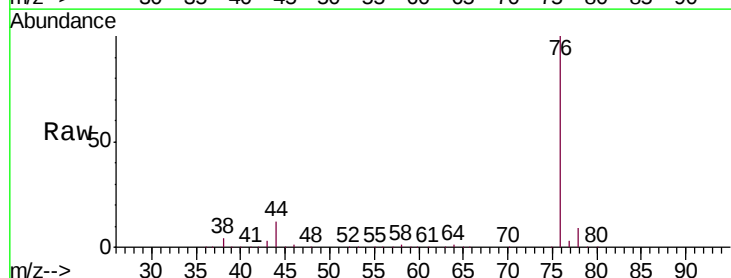
Acq: 29 Jan 2020 16:20

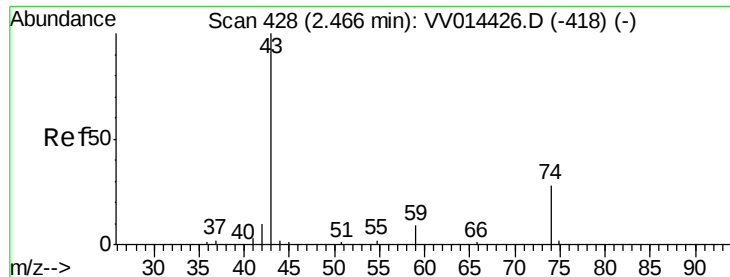
Tgt Ion: 76 Resp: 436371

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

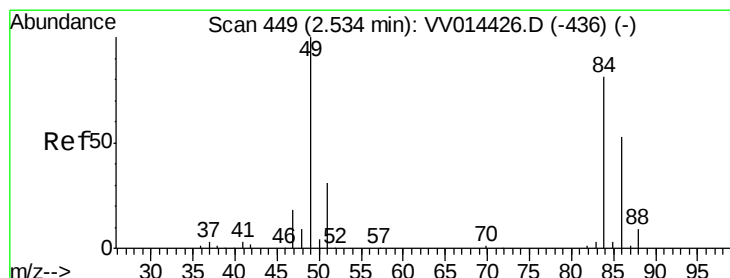
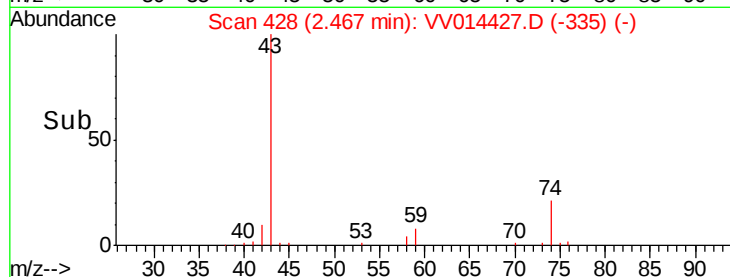
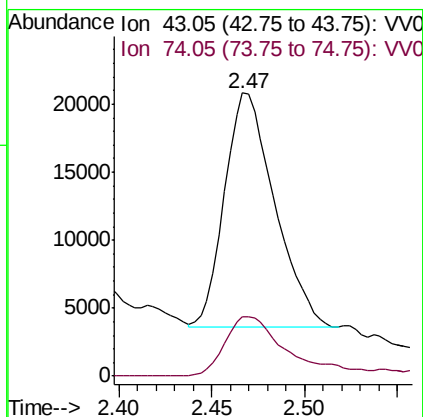
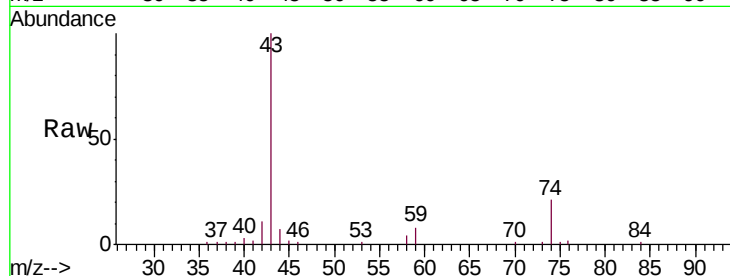




#15
Methyl Acetate
Concen: 5.721 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV014427.D
Acq: 29 Jan 2020 16:20

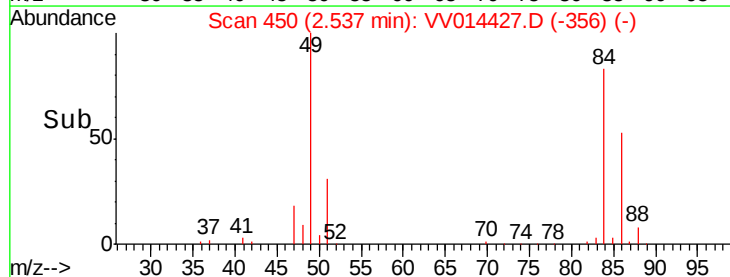
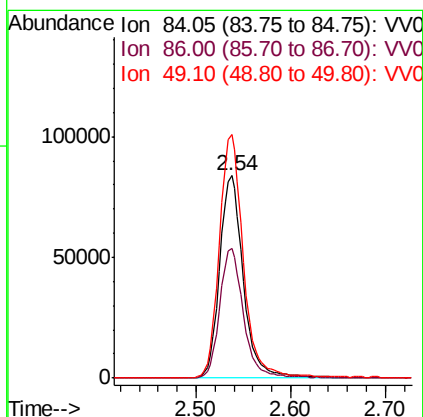
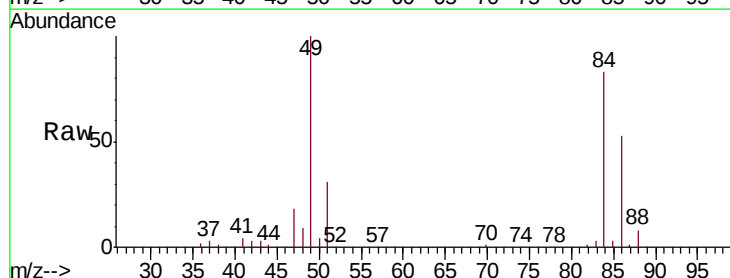
Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

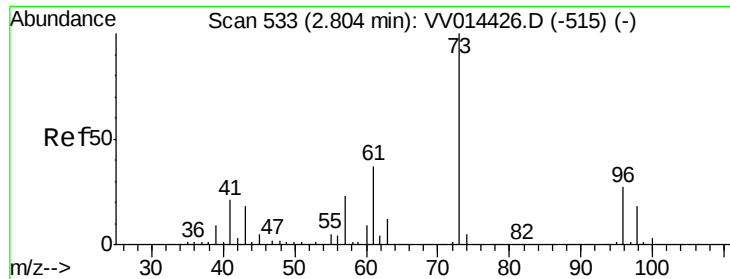
Tgt Ion: 43 Resp: 32498
Ion Ratio Lower Upper
43 100
74 31.5 18.8 28.2#



#16
Methylene chloride
Concen: 8.911 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014427.D
Acq: 29 Jan 2020 16:20

Tgt Ion: 84 Resp: 146662
Ion Ratio Lower Upper
84 100
86 64.0 45.6 84.6
49 120.5 86.1 159.9

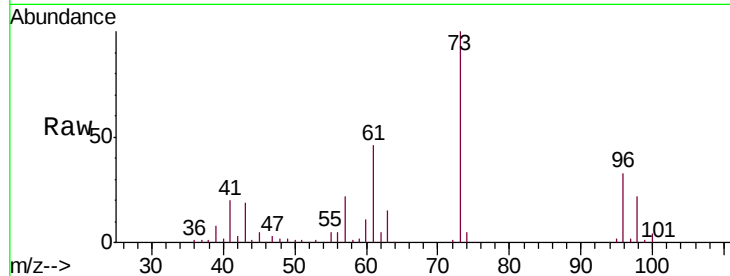




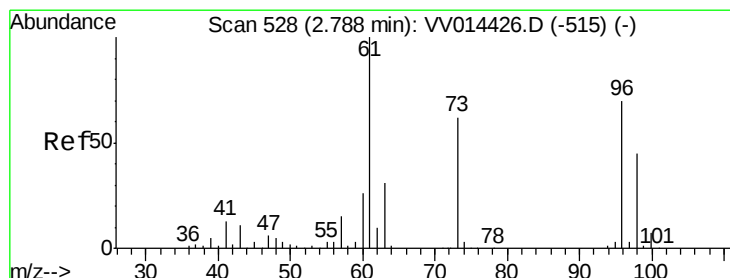
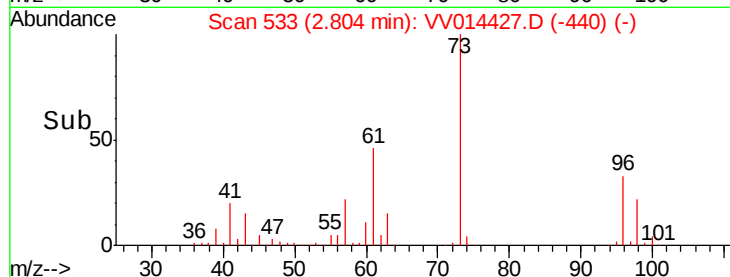
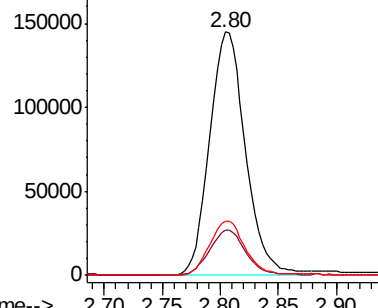
#17
Methyl tert-butyl Ether
Concen: 8.674 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV014427.D
Acq: 29 Jan 2020 16:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Tgt Ion: 73 Resp: 313353
Ion Ratio Lower Upper
73 100
43 18.3 14.2 21.2
57 22.4 18.5 27.7

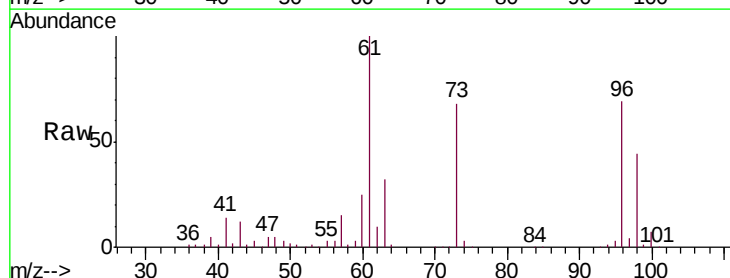


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

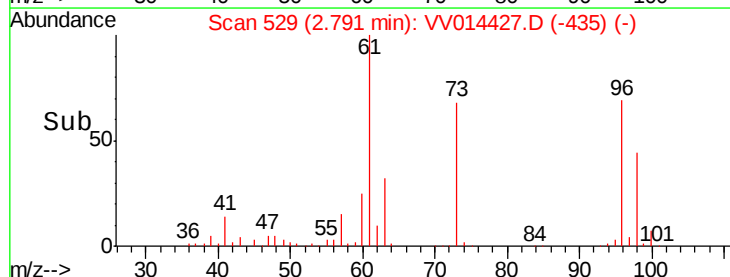
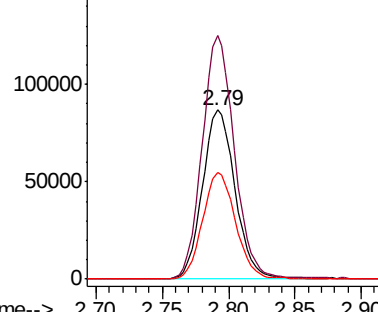


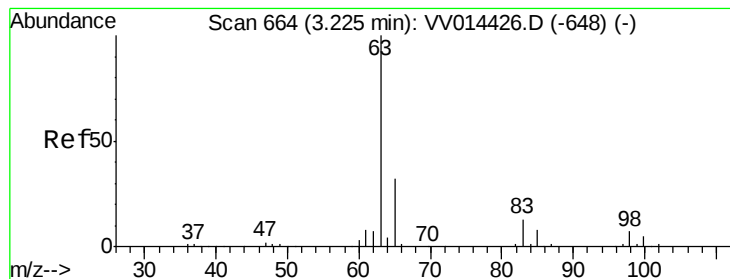
#18
trans-1,2-Dichloroethene
Concen: 9.818 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV014427.D
Acq: 29 Jan 2020 16:20

Tgt Ion: 96 Resp: 148867
Ion Ratio Lower Upper
96 100
61 144.1 99.9 185.5
98 62.9 45.4 84.4



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: 9.310 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014427.D

Acq: 29 Jan 2020 16:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

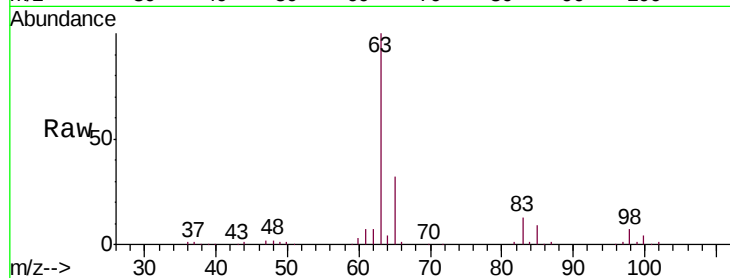
Tgt Ion: 63 Resp: 274199

Ion Ratio Lower Upper

63 100

65 32.2 22.4 41.6

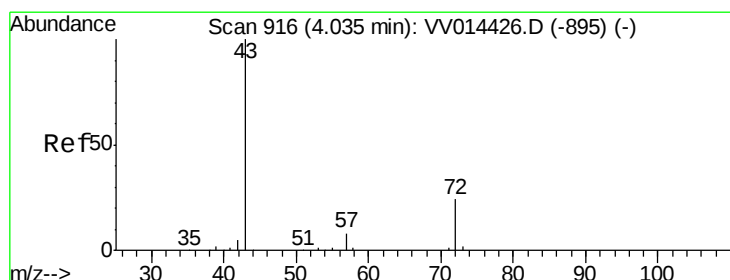
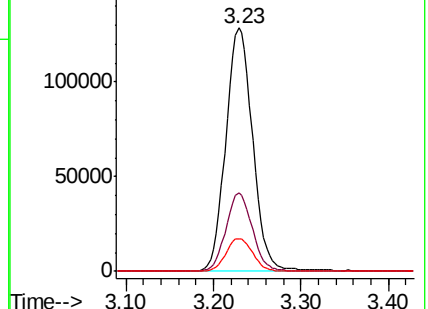
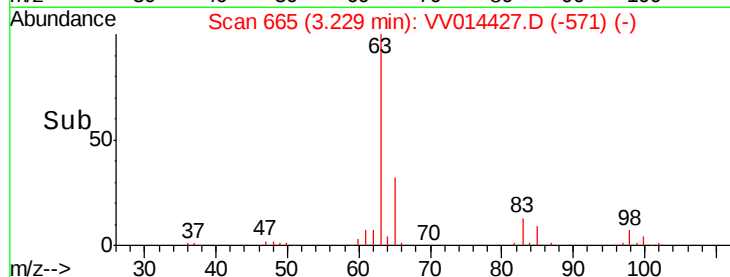
83 13.3 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VV014427.D (-571) (-)

Ion 65.10 (64.80 to 65.80): VV014427.D (-571) (-)

Ion 83.05 (82.75 to 83.75): VV014427.D (-571) (-)



#21

2-Butanone

Concen: 66.535 ug/L

RT: 4.03 min Scan# 914

Delta R.T. -0.01 min

Lab File: VV014427.D

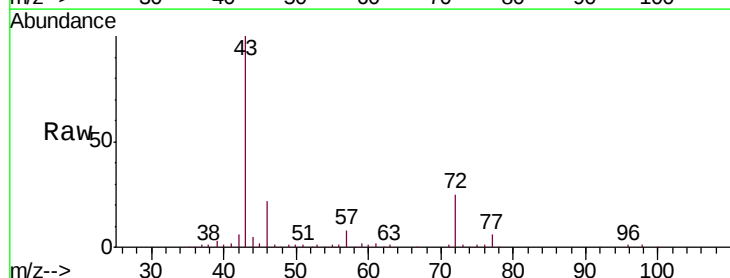
Acq: 29 Jan 2020 16:20

Tgt Ion: 43 Resp: 248620

Ion Ratio Lower Upper

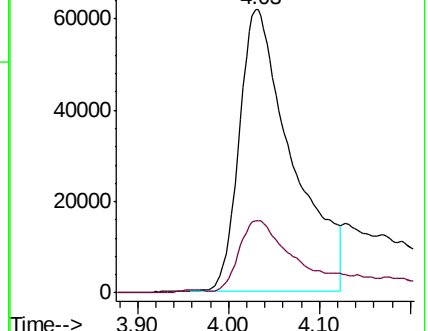
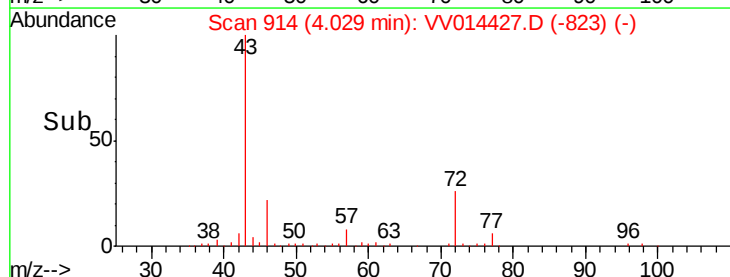
43 100

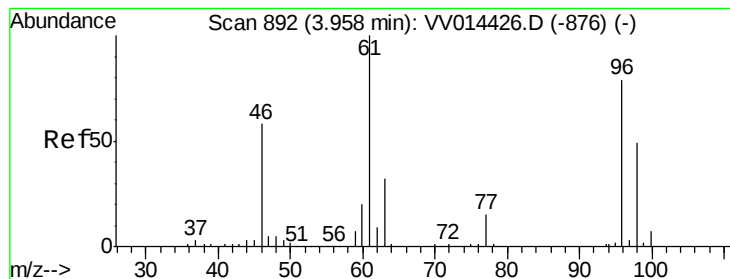
72 24.3 9.2 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV014427.D (-823) (-)

Ion 72.00 (71.70 to 72.70): VV014427.D (-823) (-)





#22

cis-1,2-Dichloroethene

Concen: 9.700 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV014427.D

Acq: 29 Jan 2020 16:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

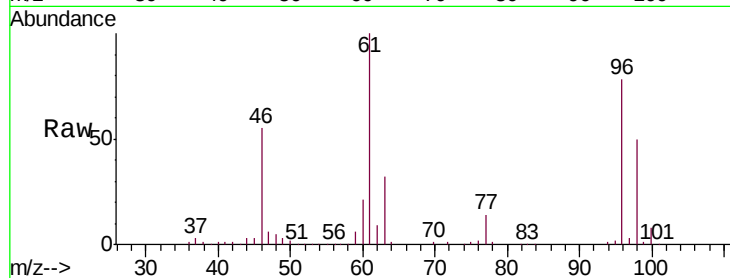
Tgt Ion: 96 Resp: 161482

Ion Ratio Lower Upper

96 100

61 127.8 88.5 164.4

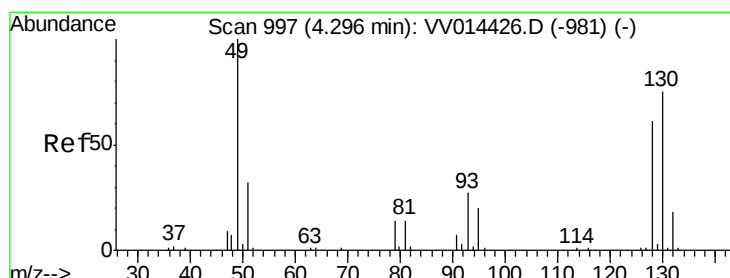
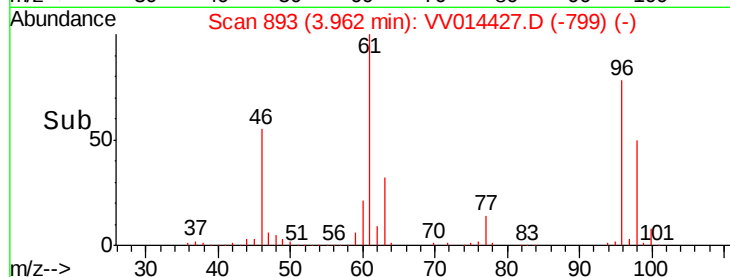
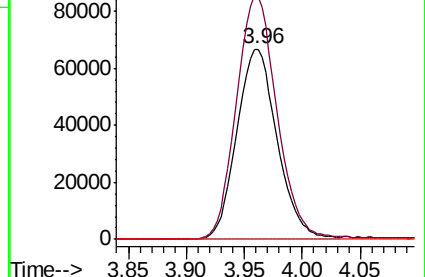
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV014427.D (-799) (-)

Ion 61.05 (60.75 to 61.75): VV014427.D (-799) (-)

Ion 68.15 (67.85 to 68.85): VV014427.D (-799) (-)



#23

Bromochloromethane

Concen: 9.607 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014427.D

Acq: 29 Jan 2020 16:20

Tgt Ion: 128 Resp: 60347

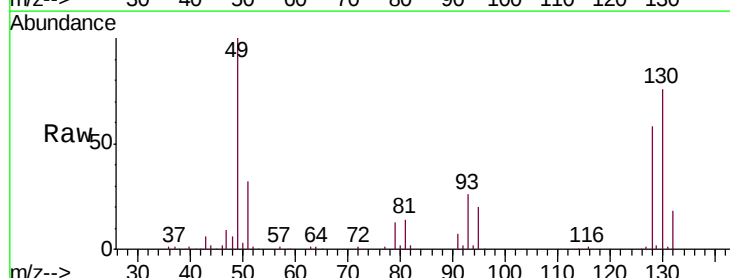
Ion Ratio Lower Upper

128 100

49 171.7 114.9 213.5

130 129.9 85.7 159.1

51 55.3 42.6 64.0

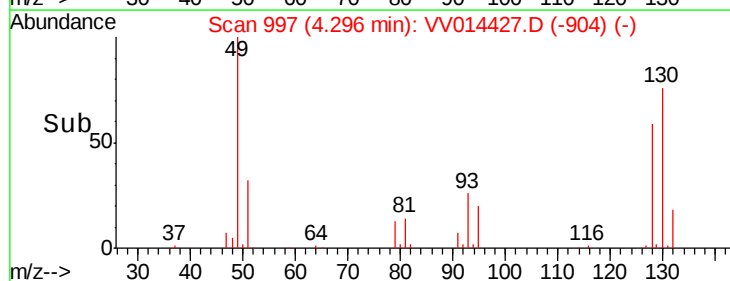
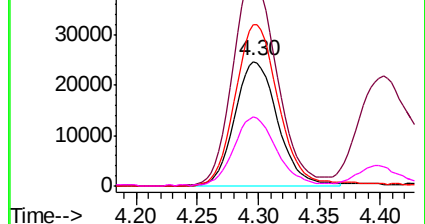


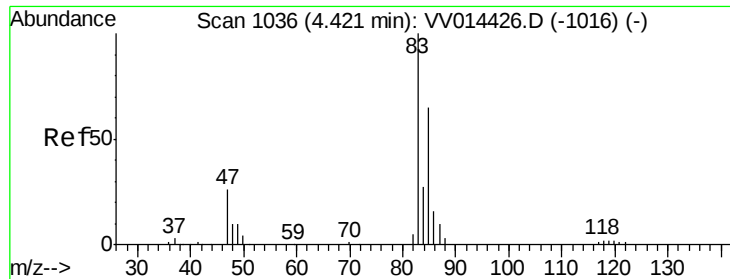
Abundance Ion 127.90 (127.60 to 128.60): VV014427.D (-904) (-)

Ion 49.10 (48.80 to 49.80): VV014427.D (-904) (-)

Ion 129.95 (129.65 to 130.65): VV014427.D (-904) (-)

Ion 51.05 (50.75 to 51.75): VV014427.D (-904) (-)

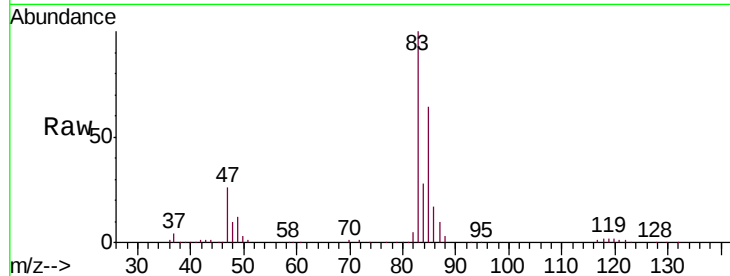




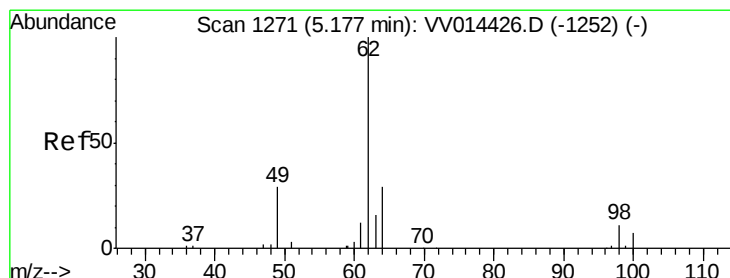
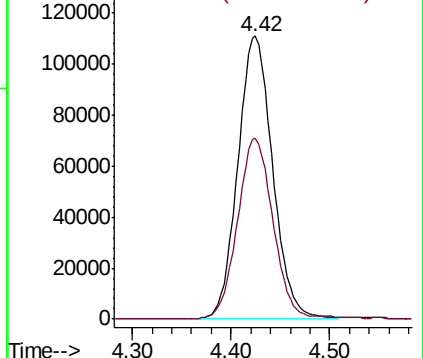
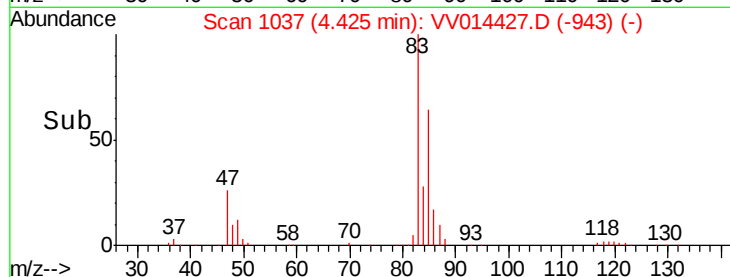
#25
 Chloroform
 Concen: 9.531 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tgt Ion: 83 Resp: 271028
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.9 85.3

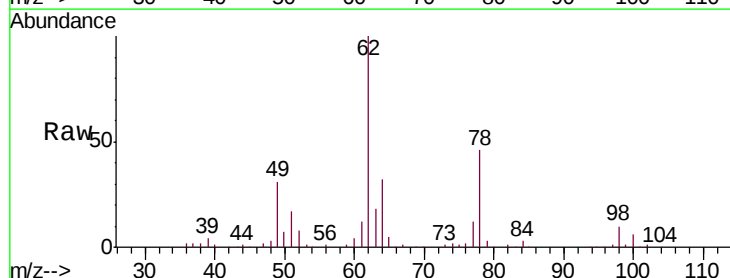


Abundance Ion 83.05 (82.75 to 83.75): VV014427.D (-943) (-)
 Ion 85.00 (84.70 to 85.70): VV014427.D (-943) (-)

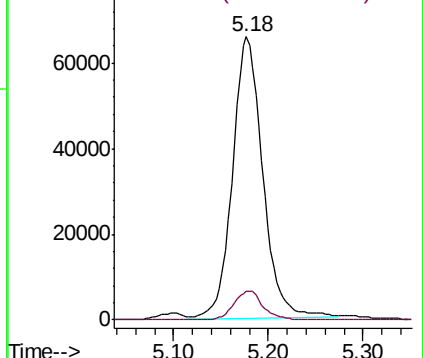
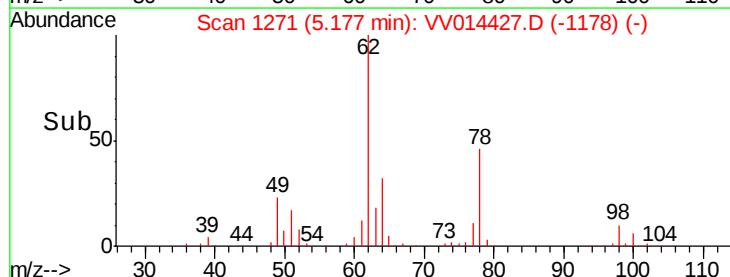


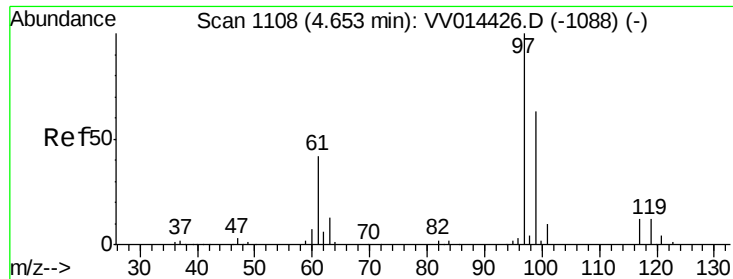
#27
 1,2-Dichloroethane
 Concen: 8.763 ug/L
 RT: 5.18 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

Tgt Ion: 62 Resp: 145759
 Ion Ratio Lower Upper
 62 100
 98 9.9 8.5 12.7



Abundance Ion 62.00 (61.70 to 62.70): VV014427.D (-1178) (-)
 Ion 98.05 (97.75 to 98.75): VV014427.D (-1178) (-)

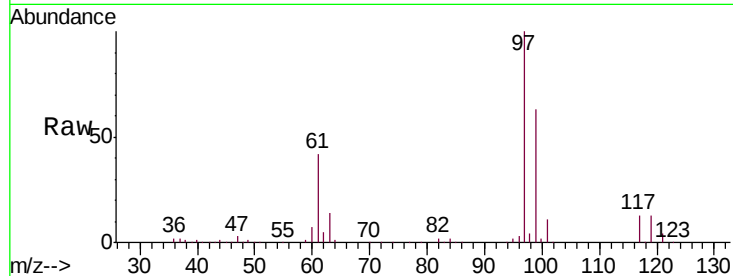




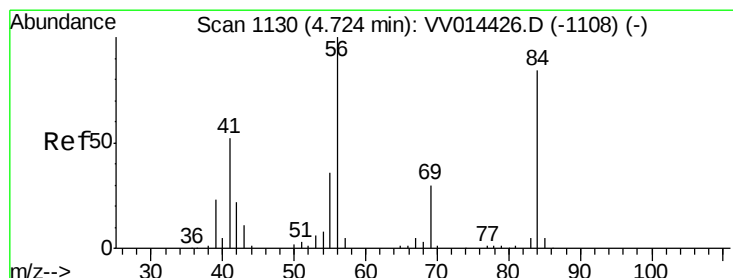
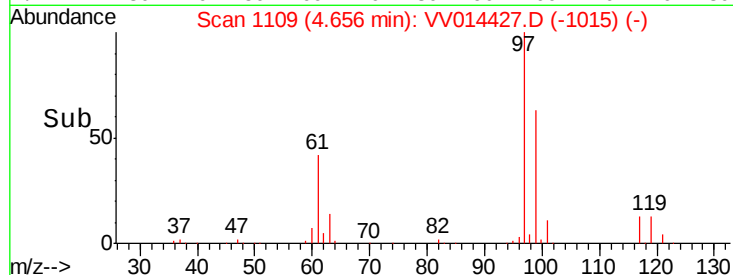
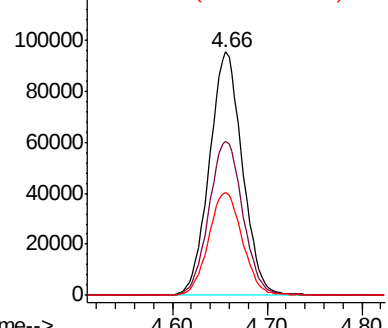
#29
 1,1,1-Trichloroethane
 Concen: 9.384 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tgt Ion: 97 Resp: 231885
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.1 76.7
 61 43.3 34.2 51.2

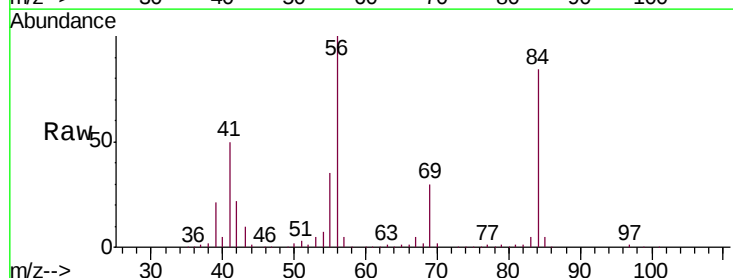


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

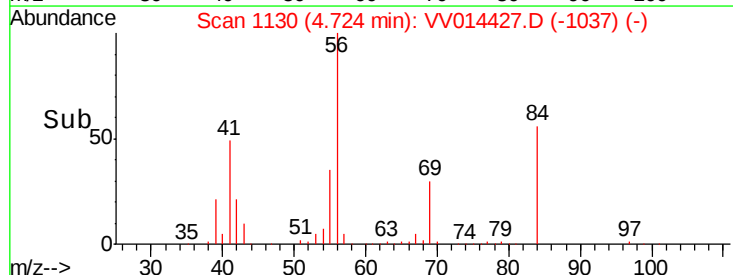
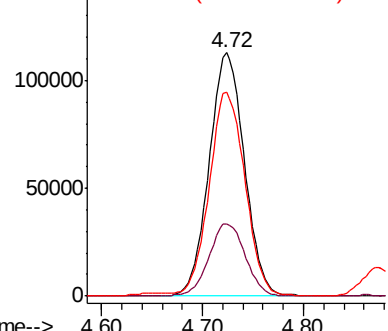


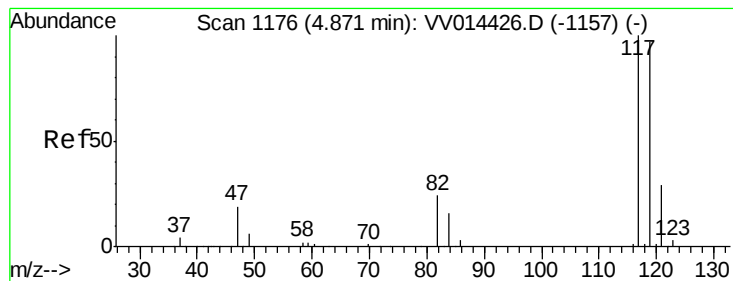
#30
 Cyclohexane
 Concen: 10.023 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

Tgt Ion: 56 Resp: 273588
 Ion Ratio Lower Upper
 56 100
 69 30.8 24.1 36.1
 84 84.7 68.8 103.2



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 9.581 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014427.D

Acq: 29 Jan 2020 16:20

Instrument :

MSVOA_V

ClientSampleId :

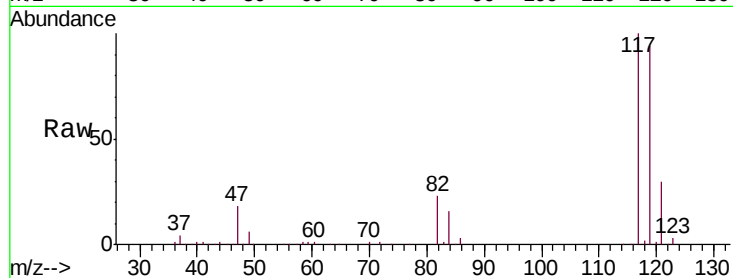
VSTD01033

Tgt Ion:117 Resp: 201828

Ion Ratio Lower Upper

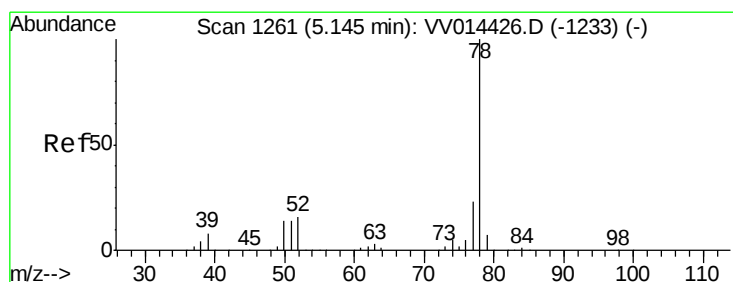
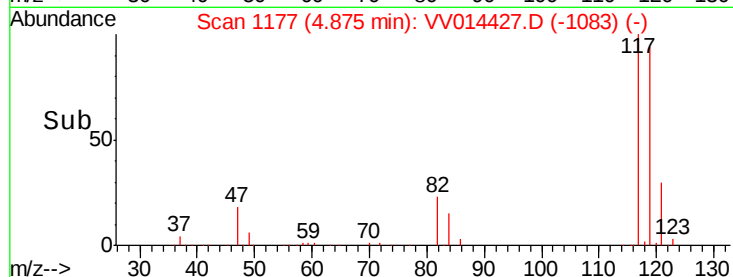
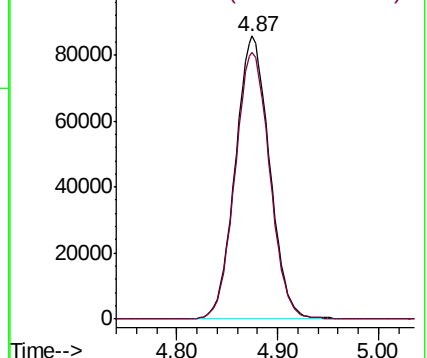
117 100

119 95.2 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.634 ug/L

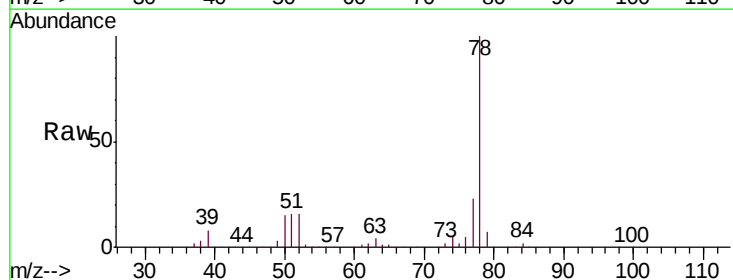
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

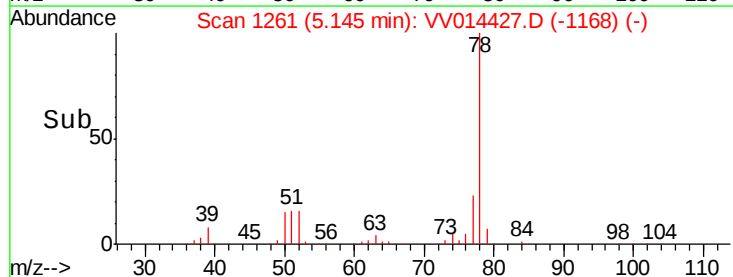
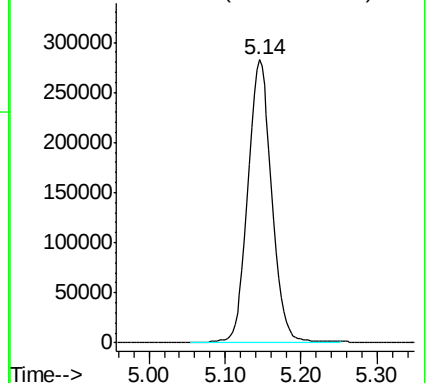
Lab File: VV014427.D

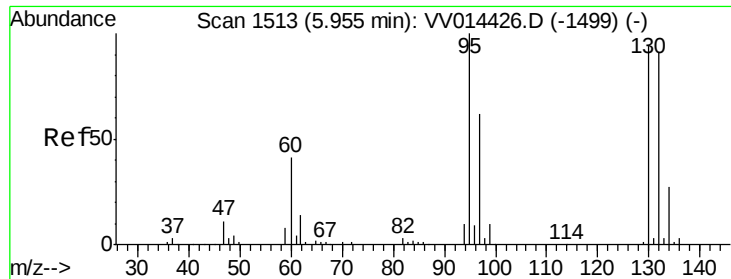
Acq: 29 Jan 2020 16:20

Tgt Ion: 78 Resp: 619699



Abundance Ion 78.10 (77.80 to 78.80): VV0

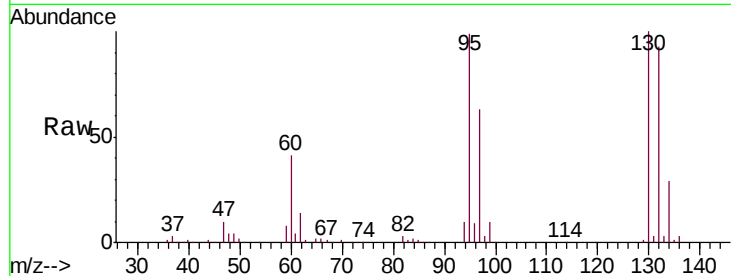




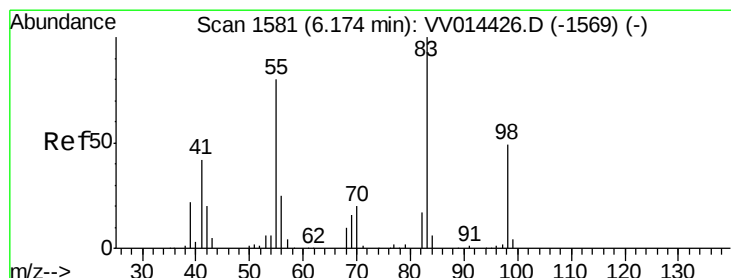
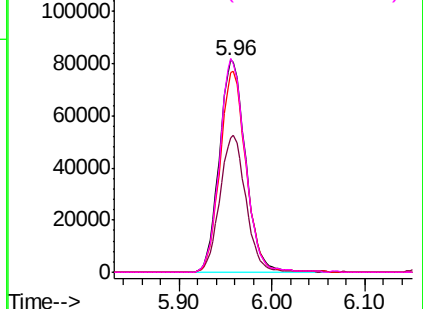
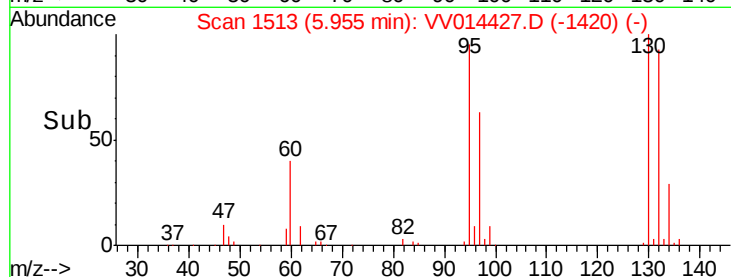
#34
 Trichloroethene
 Concen: 9.679 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tgt Ion:	95	Resp:	160315
Ion	Ratio	Lower	Upper
95	100		
97	63.6	43.6	81.0
132	94.0	63.3	117.7
130	100.7	66.0	122.6

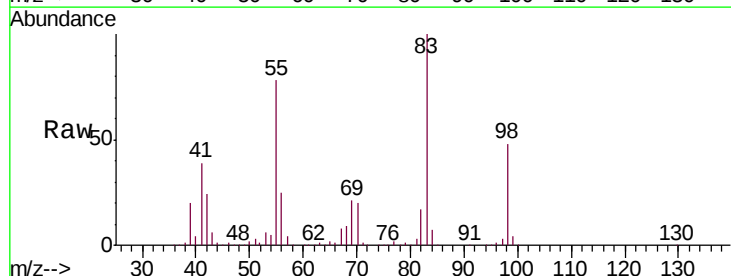


Abundance Ion 95.00 (94.70 to 95.70): VV014427.D (-1420) (-)
 Ion 96.95 (96.65 to 97.65): VV014427.D (-1420) (-)
 Ion 131.95 (131.65 to 132.65): VV014427.D (-1420) (-)
 Ion 129.95 (129.65 to 130.65): VV014427.D (-1420) (-)

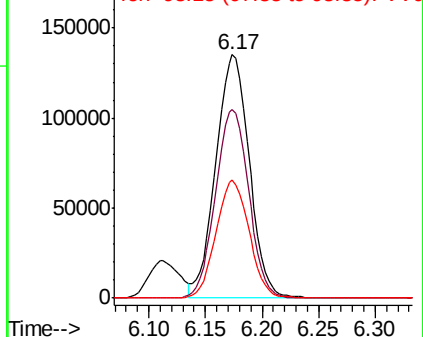
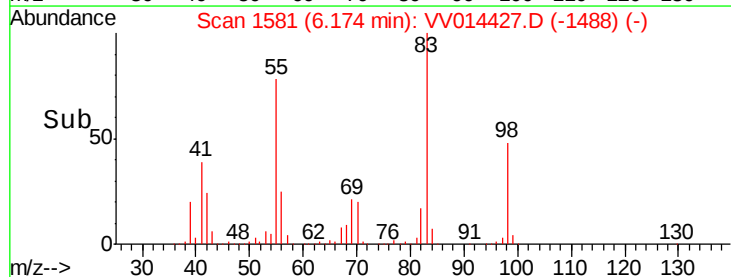


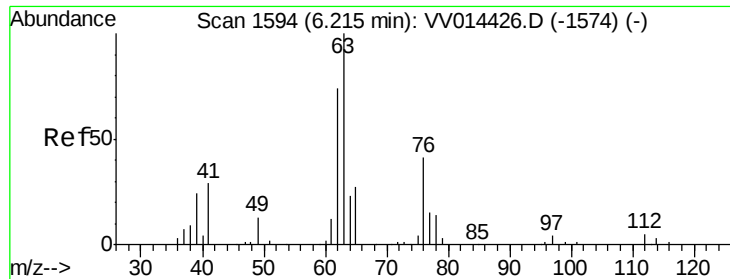
#35
 Methylcyclohexane
 Concen: 10.312 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

Tgt Ion:	83	Resp:	279073
Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.3	91.9
98	47.8	37.5	56.3



Abundance Ion 83.15 (82.85 to 83.85): VV014427.D (-1488) (-)
 Ion 55.10 (54.80 to 55.80): VV014427.D (-1488) (-)
 Ion 98.15 (97.85 to 98.85): VV014427.D (-1488) (-)

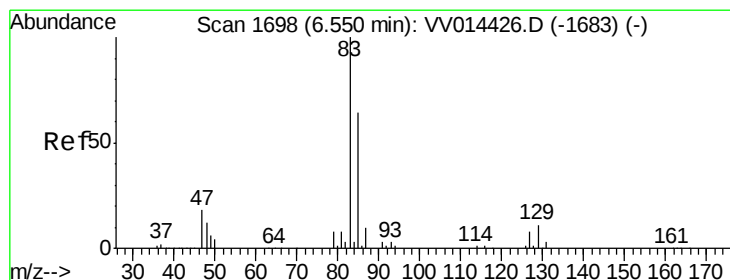
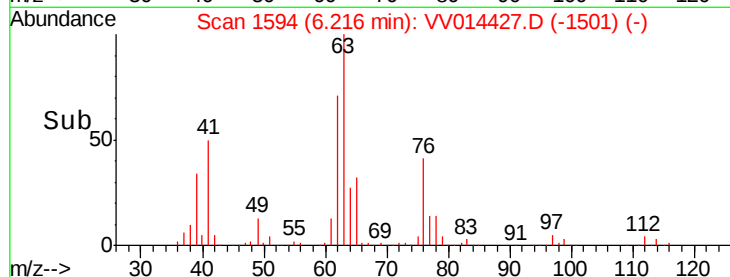
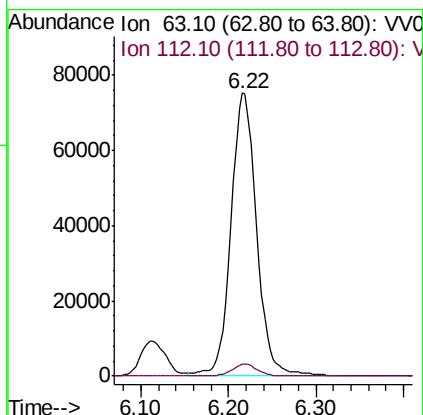
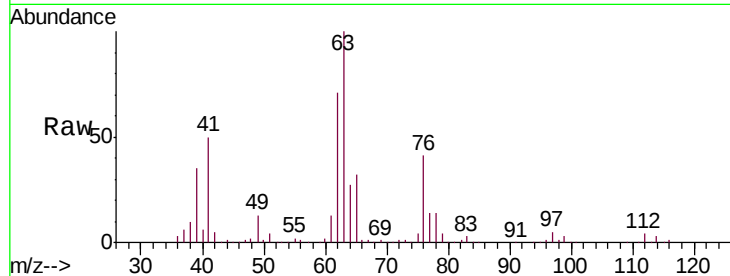




#37
 1,2-Dichloropropane
 Concen: 9.448 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

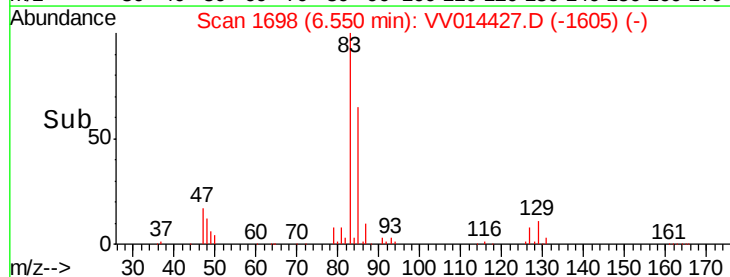
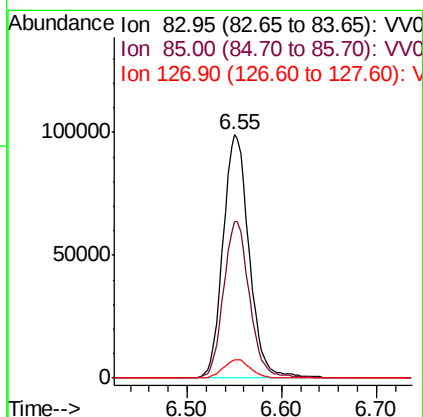
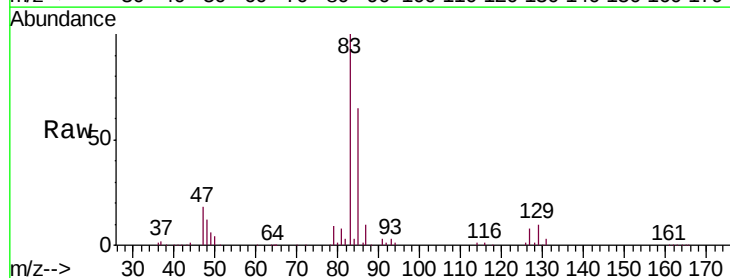
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

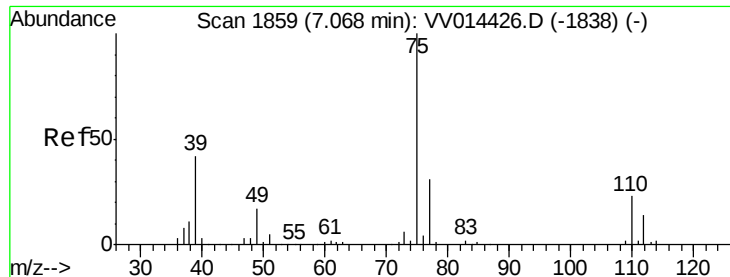
Tgt Ion: 63 Resp: 152267
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 9.219 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

Tgt Ion: 83 Resp: 190109
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.5 82.7
 127 7.6 6.6 10.0

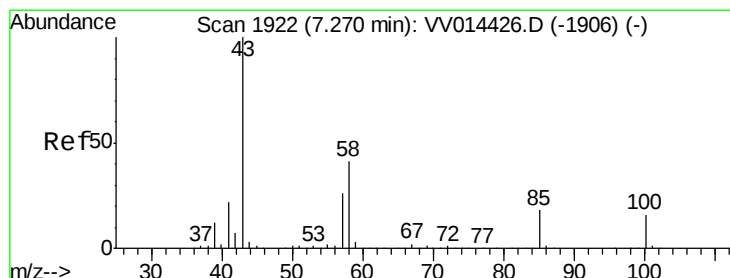
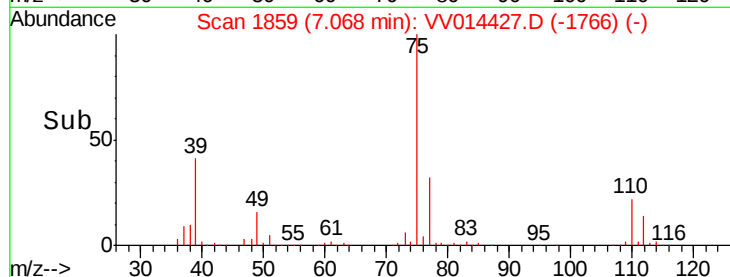
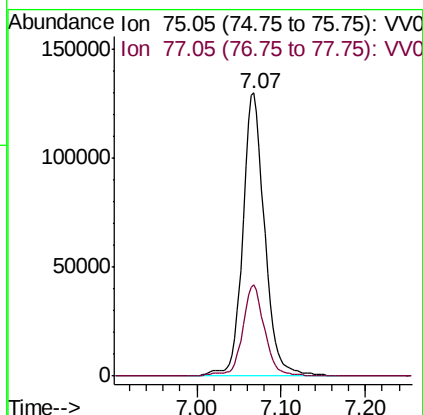
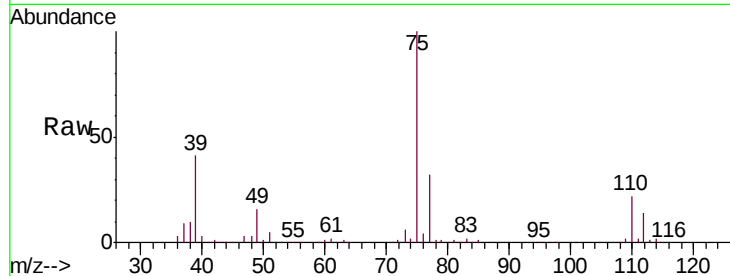




#39
 cis-1,3-Dichloropropene
 Concen: 9.198 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

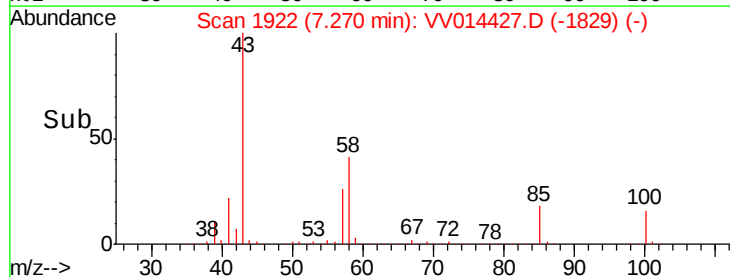
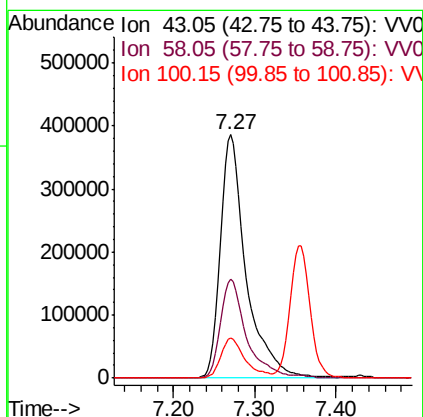
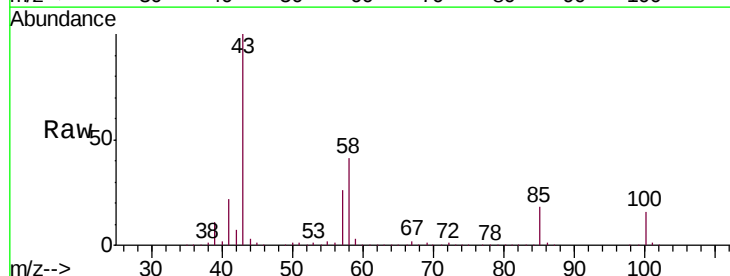
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01033

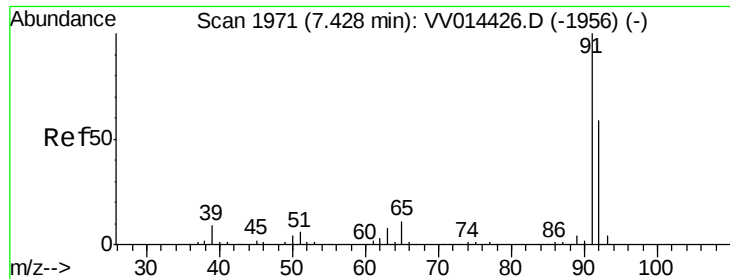
Tgt Ion: 75 Resp: 237074
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 86.643 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

Tgt Ion: 43 Resp: 859574
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.1 49.7
 100 15.7 12.1 18.1





#42

Toluene

Concen: 9.640 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014427.D

Acq: 29 Jan 2020 16:20

Instrument :

MSVOA_V

ClientSampleId :

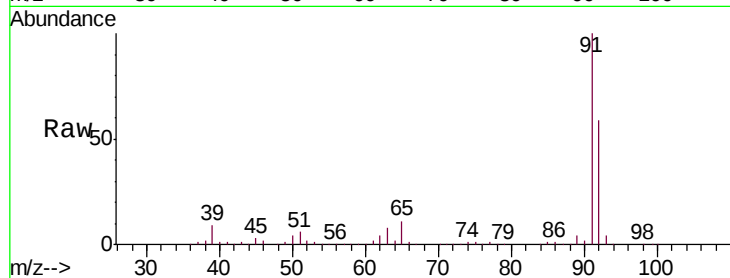
VSTD01033

Tgt Ion: 91 Resp: 654285

Ion Ratio Lower Upper

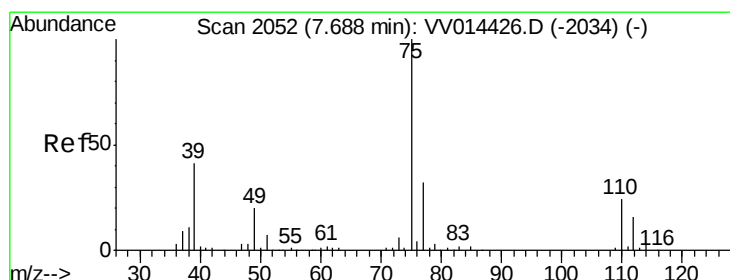
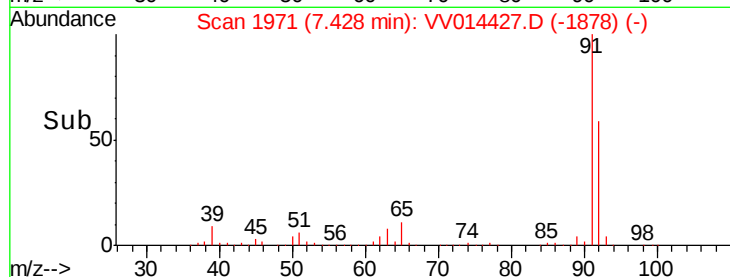
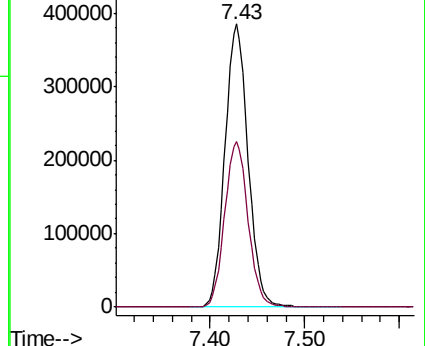
91 100

92 58.6 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 9.017 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014427.D

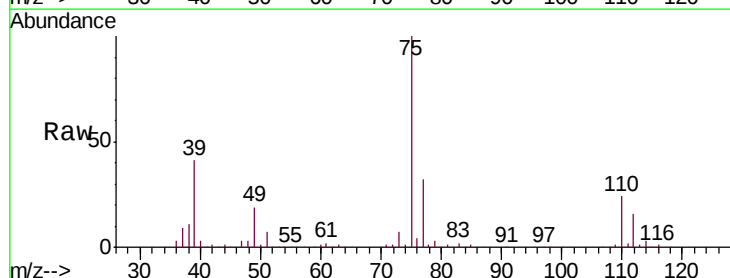
Acq: 29 Jan 2020 16:20

Tgt Ion: 75 Resp: 176925

Ion Ratio Lower Upper

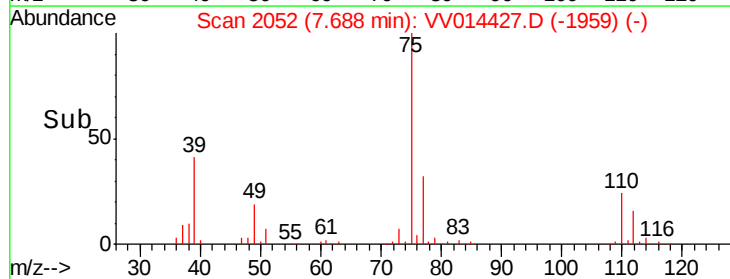
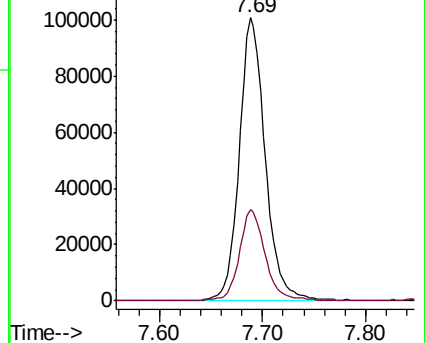
75 100

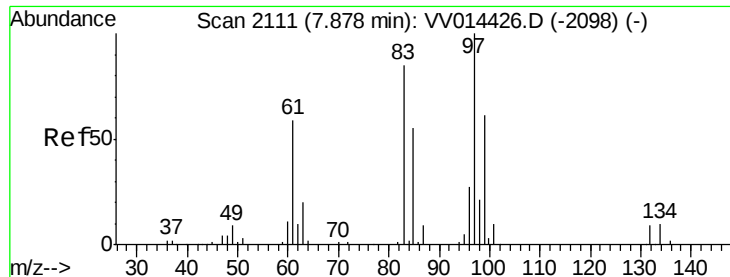
77 32.1 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

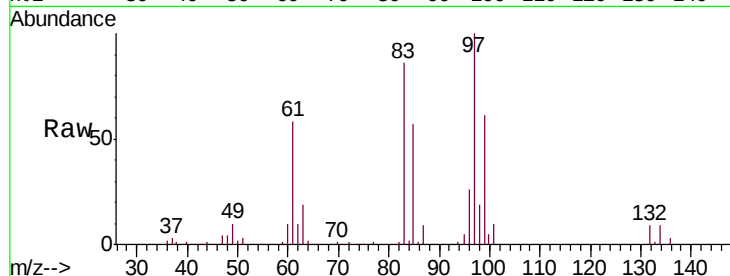




#45
 1,1,2-Trichloroethane
 Concen: 9.556 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tgt Ion:	97	Resp:	98960
Ion	Ratio	Lower	Upper
97	100		
99	61.0	42.5	78.9
83	86.3	59.8	111.0
85	57.1	38.4	71.4



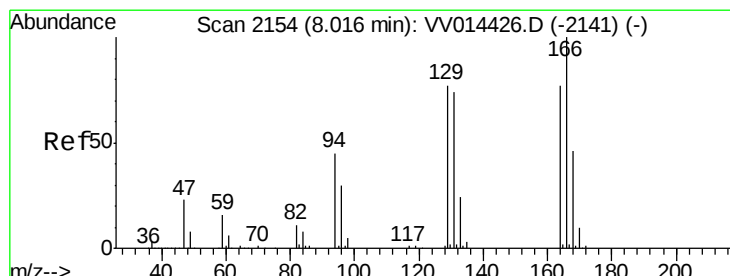
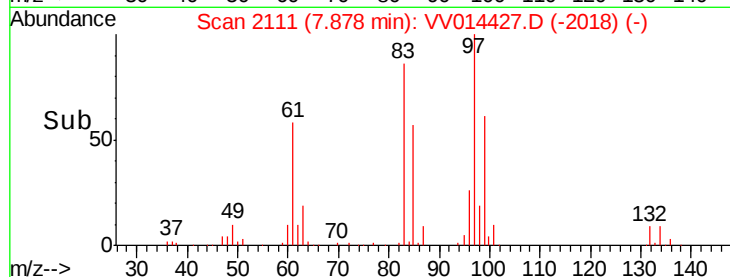
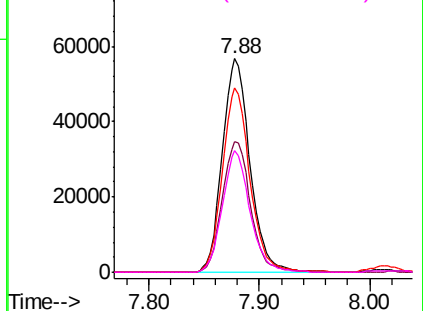
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

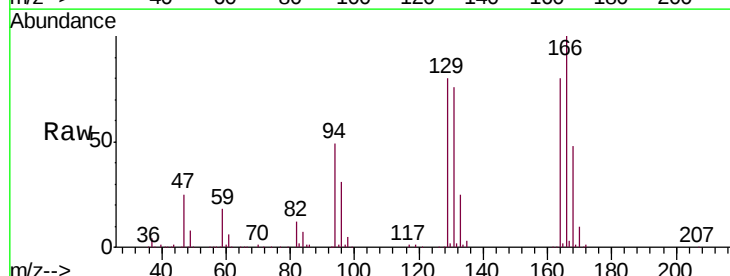
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 9.990 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

Tgt Ion:	164	Resp:	113781
Ion	Ratio	Lower	Upper
164	100		
129	100.5	69.9	129.7
131	94.6	67.5	125.3
166	125.3	90.6	168.3



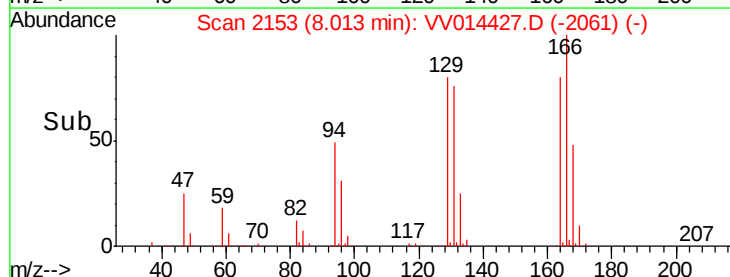
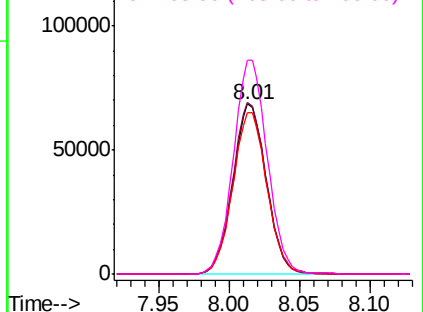
Abundance

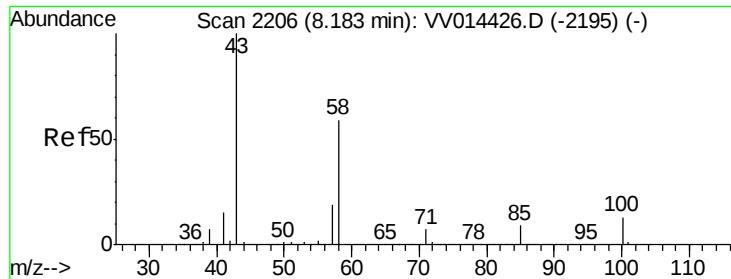
Ion 163.90 (163.60 to 164.60): V

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

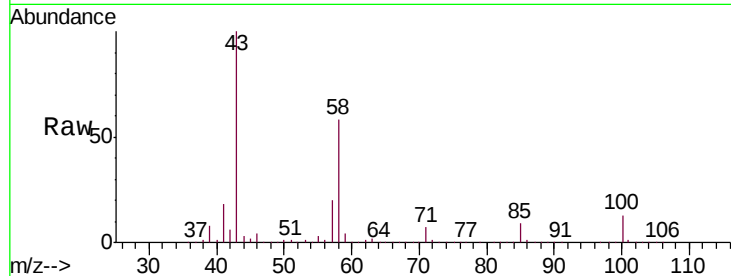




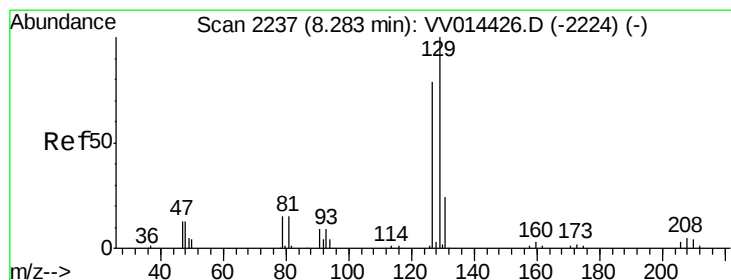
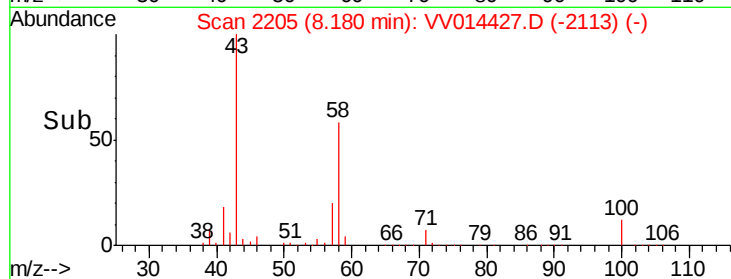
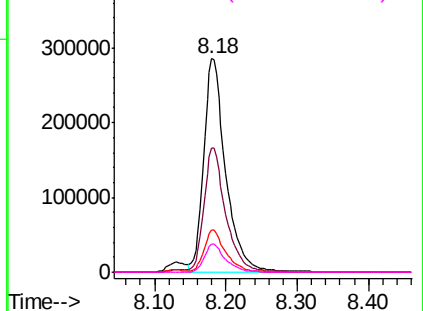
#48
2-Hexanone
Concen: 88.454 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV014427.D
Acq: 29 Jan 2020 16:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Tgt Ion:	43	Resp:	606252
Ion	Ratio	Lower	Upper
43	100		
58	59.3	45.8	68.6
57	19.7	15.4	23.0
100	12.8	9.8	14.8

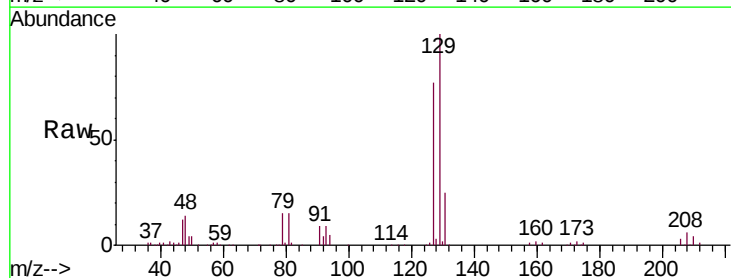


Abundance Ion 43.05 (42.75 to 43.75): VV014427.D (-2195) (-)
Ion 58.05 (57.75 to 58.75): VV014427.D (-2195) (-)
Ion 57.20 (56.90 to 57.90): VV014427.D (-2195) (-)
Ion 100.15 (99.85 to 100.85): VV014427.D (-2195) (-)

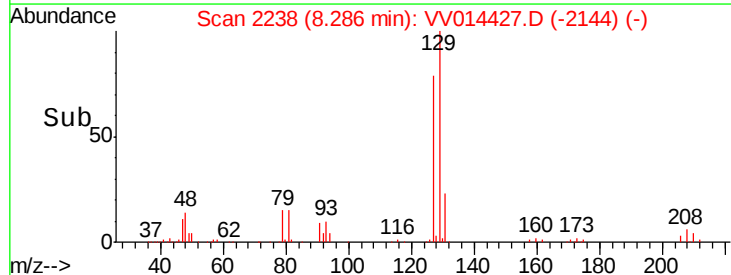
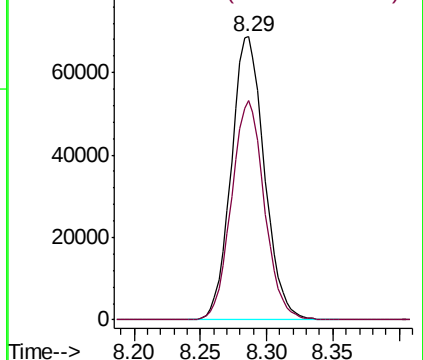


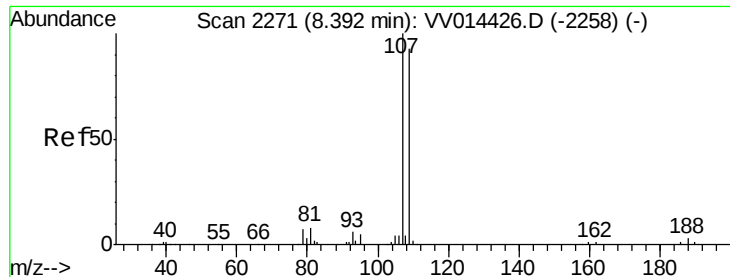
#49
Dibromochloromethane
Concen: 9.226 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014427.D
Acq: 29 Jan 2020 16:20

Tgt Ion:	129	Resp:	119269
Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.9	102.1



Abundance Ion 128.95 (128.65 to 129.65): VV014427.D (-2144) (-)
Ion 126.90 (126.60 to 127.60): VV014427.D (-2144) (-)

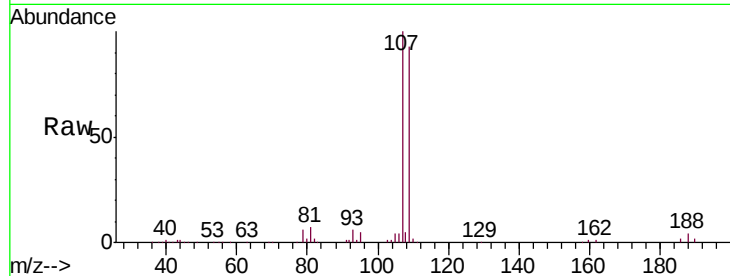




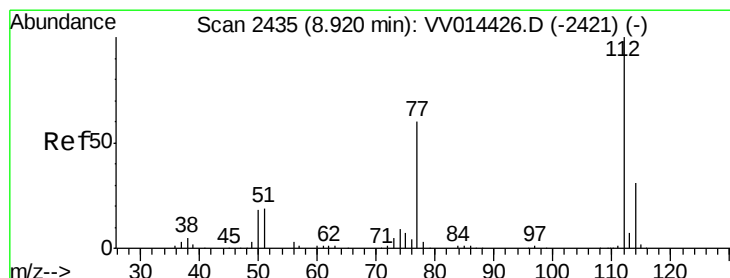
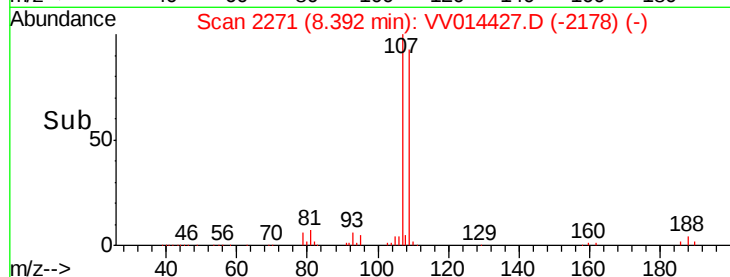
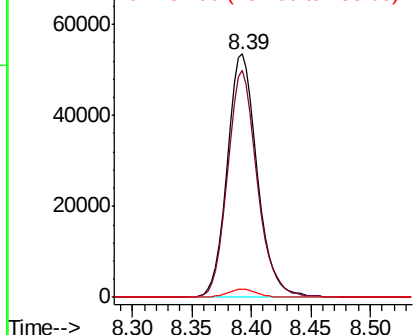
#50
1,2-Dibromoethane
Concen: 9.424 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014427.D
Acq: 29 Jan 2020 16:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Tgt Ion:107 Resp: 93577
Ion Ratio Lower Upper
107 100
109 93.2 65.0 120.6
188 3.6 2.7 4.1

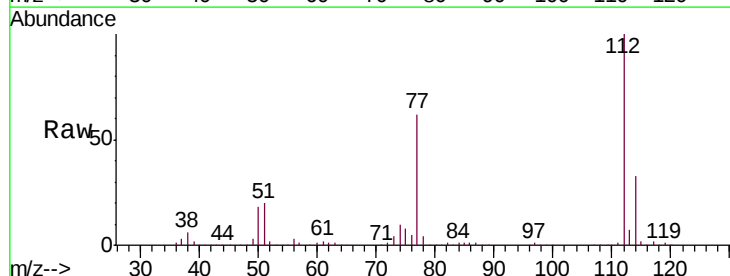


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

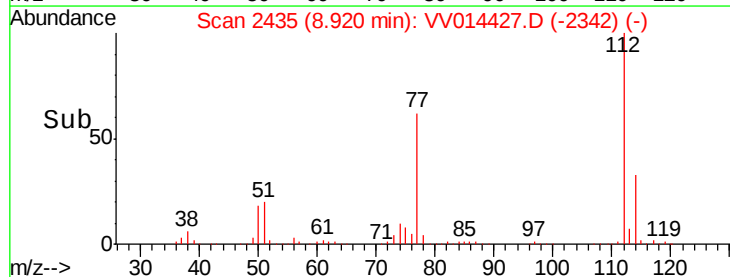
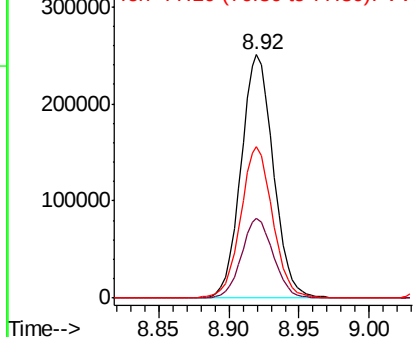


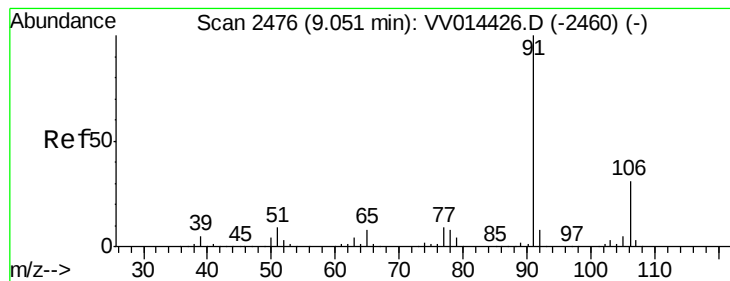
#51
Chlorobenzene
Concen: 9.619 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014427.D
Acq: 29 Jan 2020 16:20

Tgt Ion:112 Resp: 401968
Ion Ratio Lower Upper
112 100
114 32.6 21.8 40.6
77 62.1 48.5 72.7



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: 9.792 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014427.D

Acq: 29 Jan 2020 16:20

Instrument :

MSVOA_V

ClientSampleId :

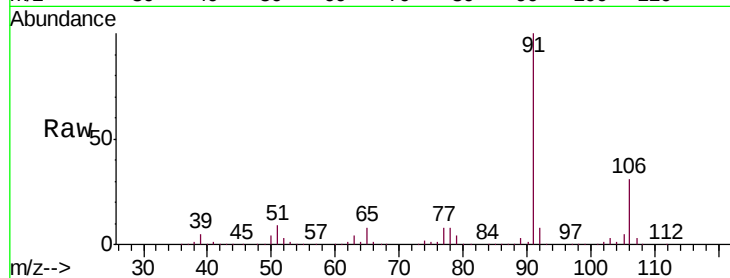
VSTD01033

Tgt Ion: 91 Resp: 742194

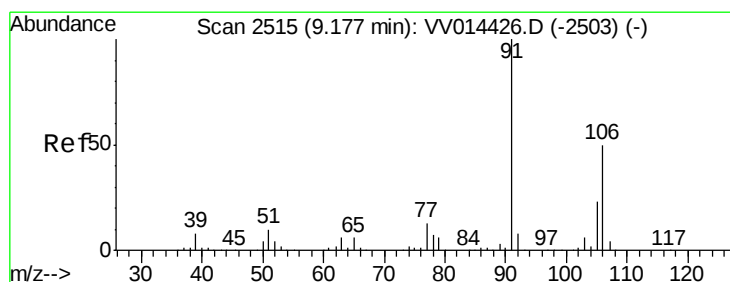
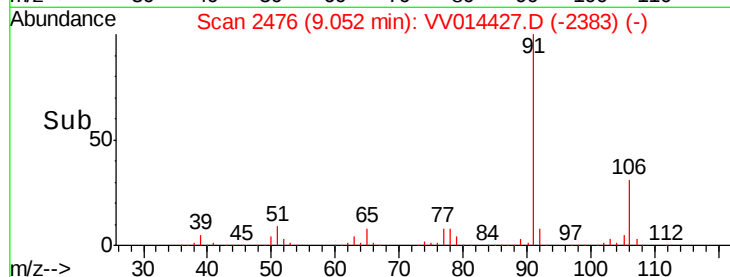
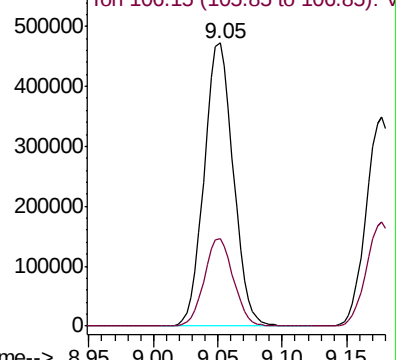
Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV014427.D (-2383) (-)



#53

m,p-xylene

Concen: 9.922 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014427.D

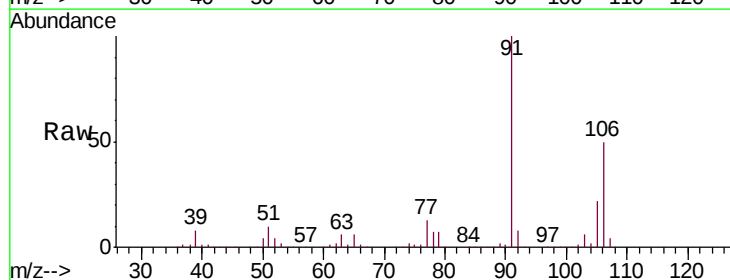
Acq: 29 Jan 2020 16:20

Tgt Ion: 106 Resp: 278989

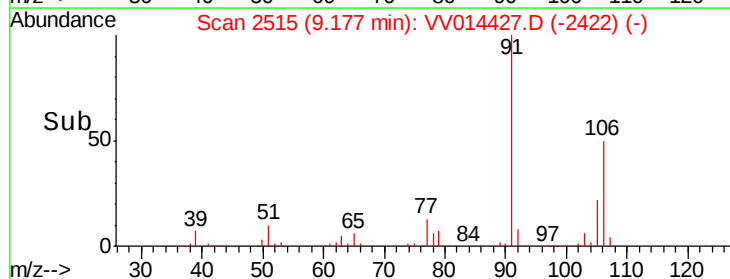
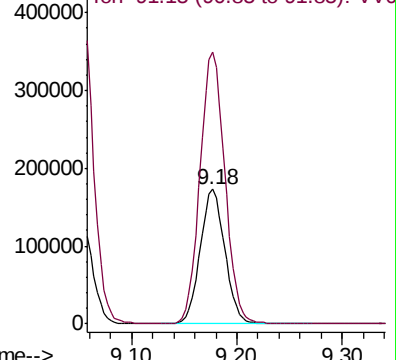
Ion Ratio Lower Upper

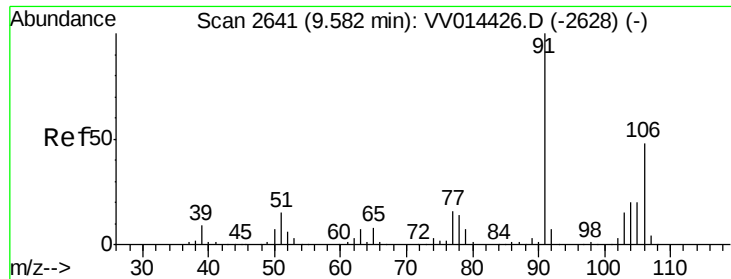
106 100

91 201.8 139.9 259.9



Abundance Ion 106.15 (105.85 to 106.85): VV014427.D (-2422) (-)

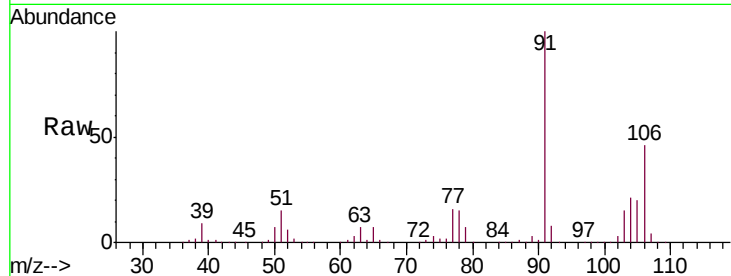




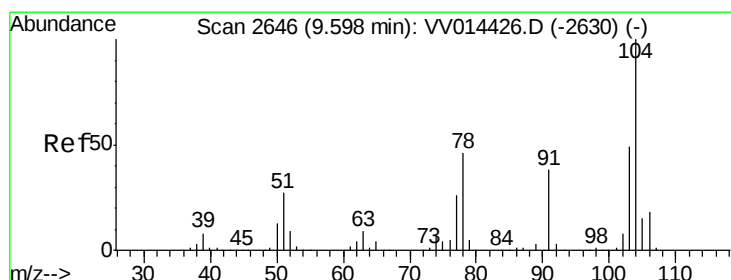
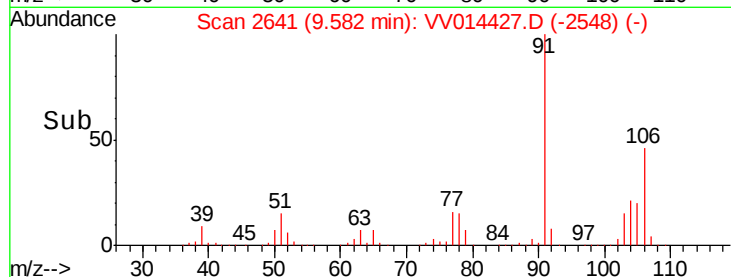
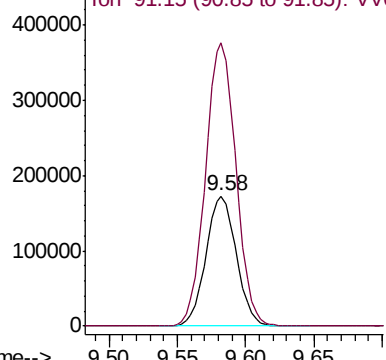
#54
o-xylene
Concen: 9.682 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014427.D
Acq: 29 Jan 2020 16:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Tgt Ion:106 Resp: 267352
Ion Ratio Lower Upper
106 100
91 218.1 145.9 271.1

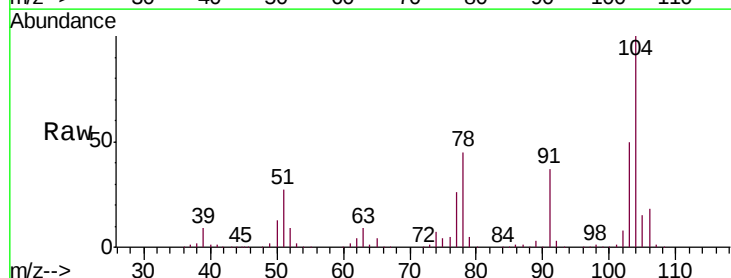


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

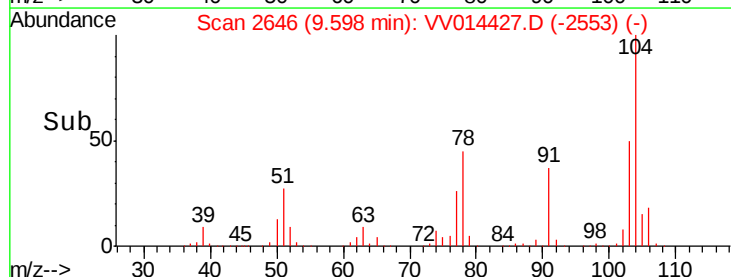
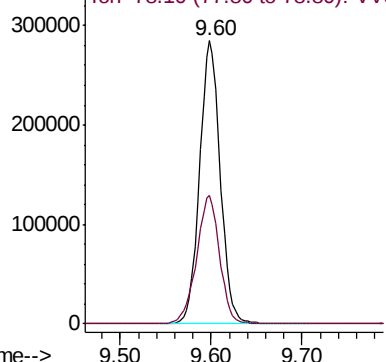


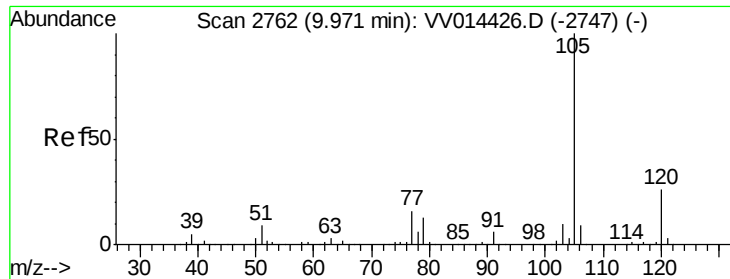
#55
Styrene
Concen: 9.669 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014427.D
Acq: 29 Jan 2020 16:20

Tgt Ion:104 Resp: 449721
Ion Ratio Lower Upper
104 100
78 45.3 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: 9.955 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014427.D

Acq: 29 Jan 2020 16:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

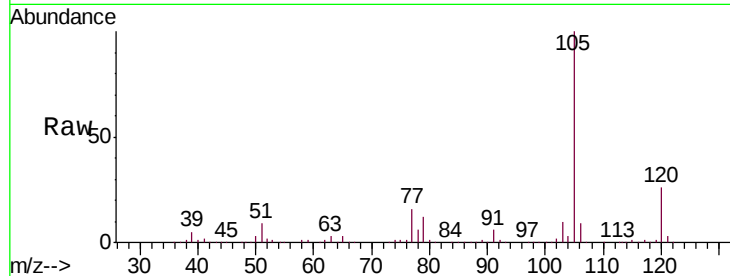
Tgt Ion: 105 Resp: 715030

Ion Ratio Lower Upper

105 100

120 26.3 21.3 31.9

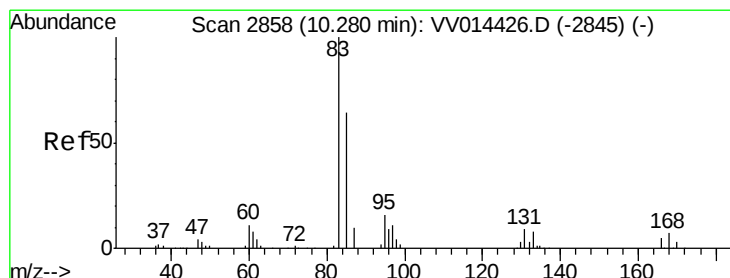
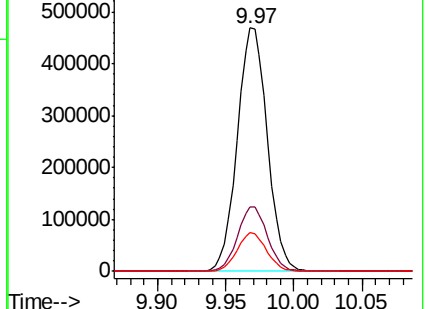
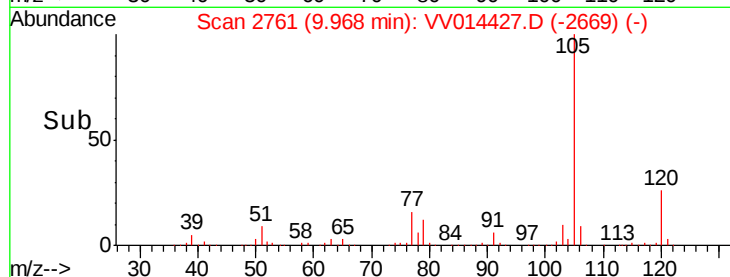
77 15.5 12.8 19.2



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: 9.548 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014427.D

Acq: 29 Jan 2020 16:20

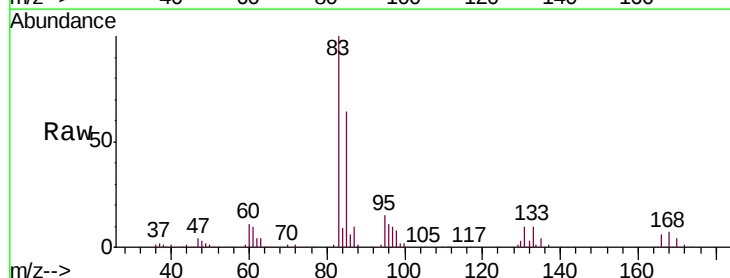
Tgt Ion: 83 Resp: 120434

Ion Ratio Lower Upper

83 100

85 63.6 45.3 84.1

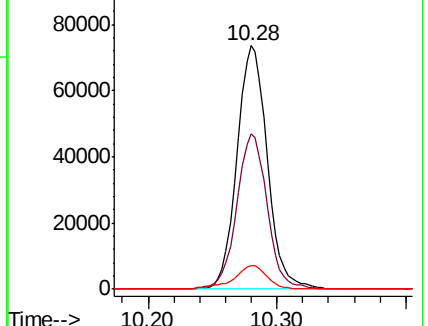
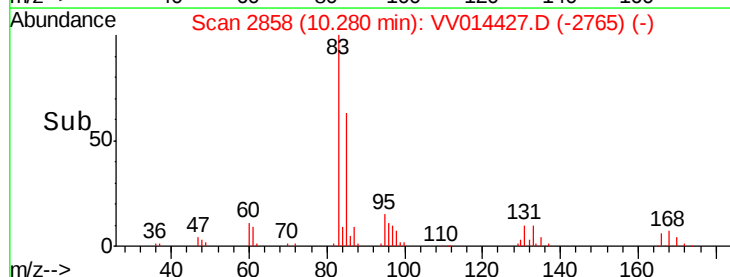
131 9.5 7.9 11.9

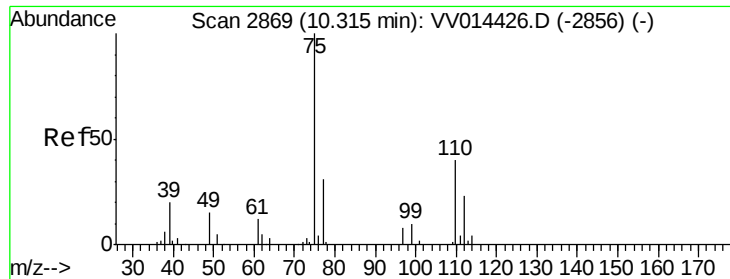


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 8.947 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014427.D

Acq: 29 Jan 2020 16:20

Instrument :

MSVOA_V

ClientSampleId :

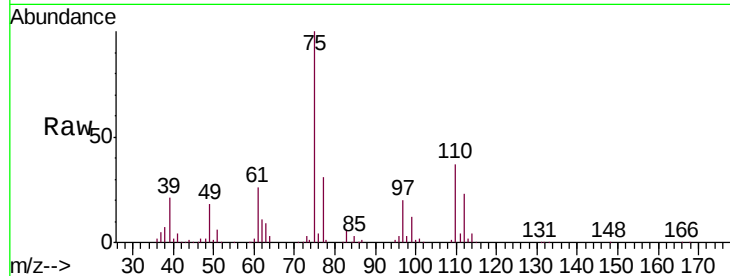
VSTD01033

Tgt Ion: 75 Resp: 85051

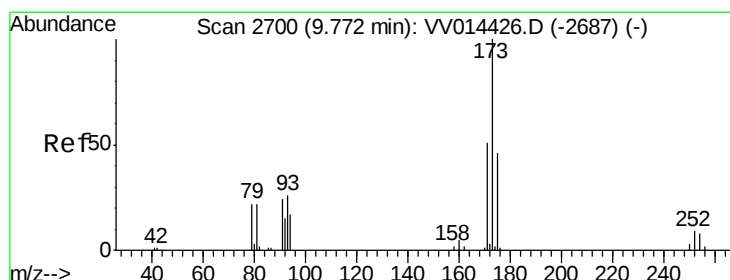
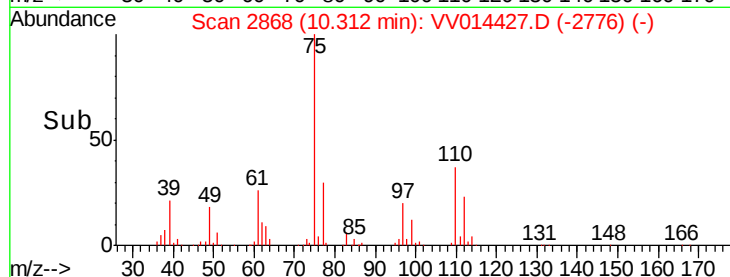
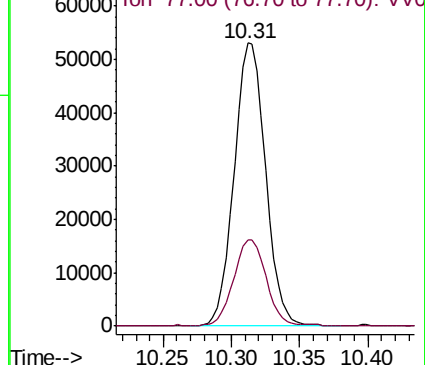
Ion Ratio Lower Upper

75 100

77 30.9 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV014426.D (-2856) (-)



#61

Bromoform

Concen: 8.991 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014427.D

Acq: 29 Jan 2020 16:20

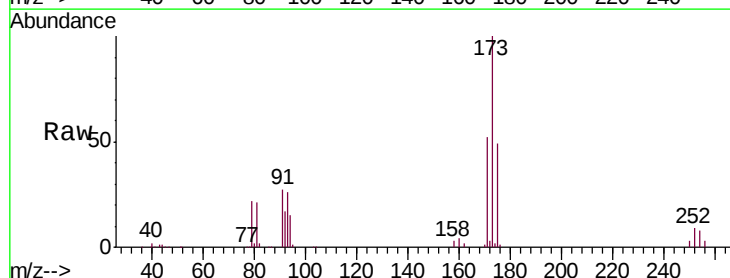
Tgt Ion: 173 Resp: 59660

Ion Ratio Lower Upper

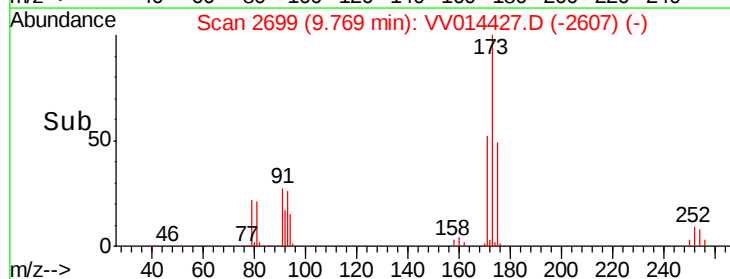
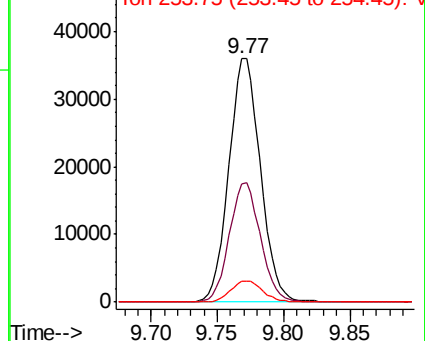
173 100

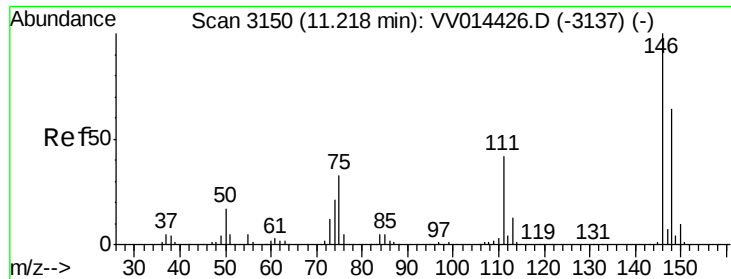
175 48.2 38.9 58.3

254 8.7 7.0 10.4



Abundance Ion 172.90 (172.60 to 173.60): VV014426.D (-2687) (-)

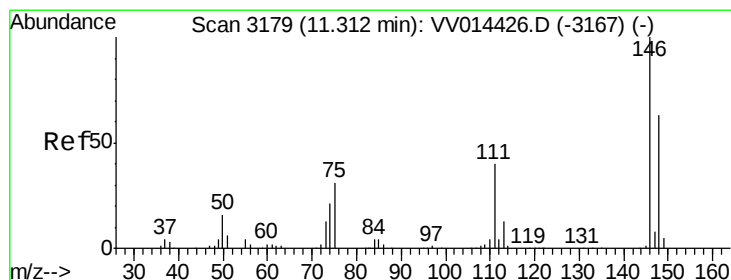
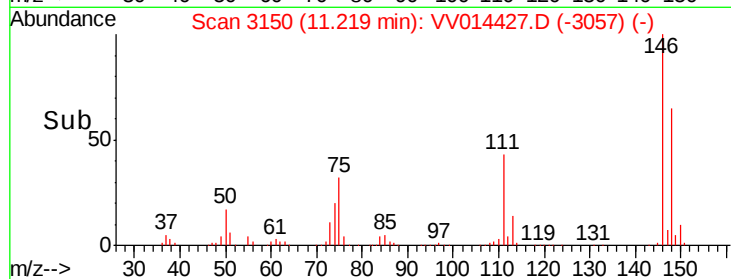
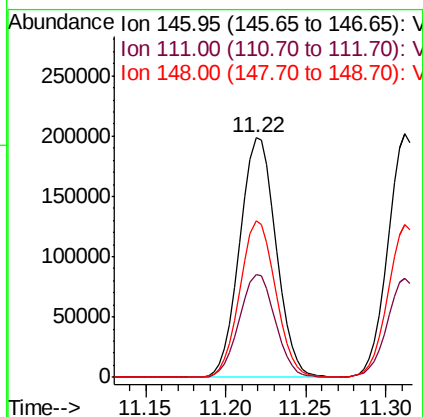
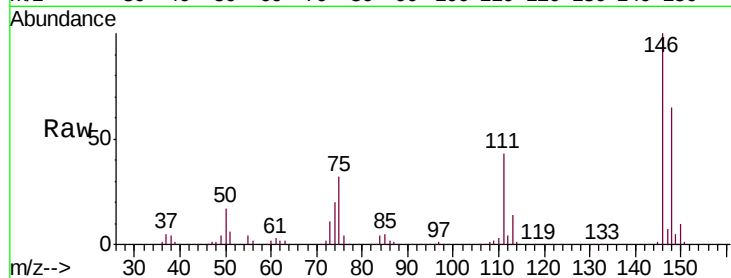




#62
 1,3-Dichlorobenzene
 Concen: 9.754 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

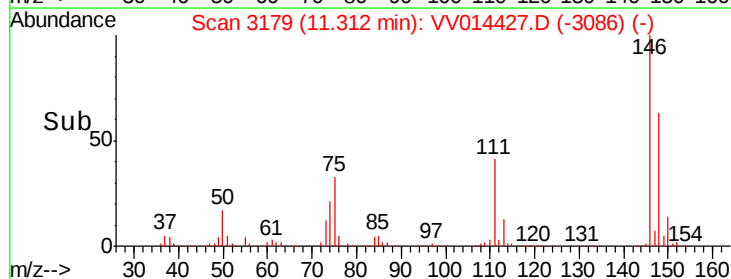
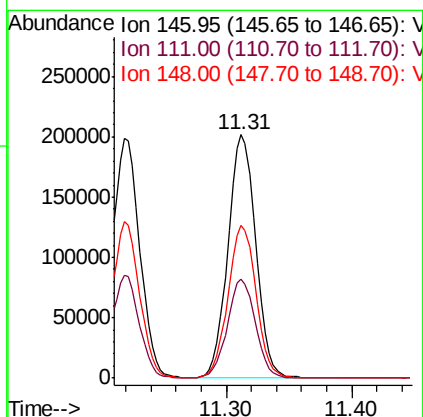
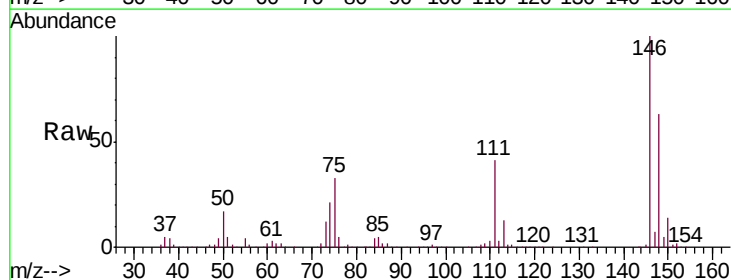
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

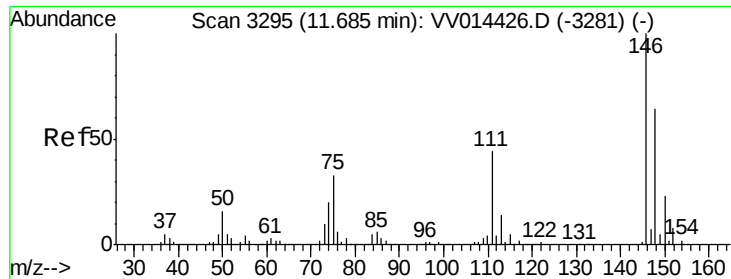
Tgt Ion:146 Resp: 307171
 Ion Ratio Lower Upper
 146 100
 111 43.2 29.5 54.7
 148 65.4 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 9.880 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

Tgt Ion:146 Resp: 309143
 Ion Ratio Lower Upper
 146 100
 111 40.8 27.9 51.7
 148 62.7 44.3 82.3

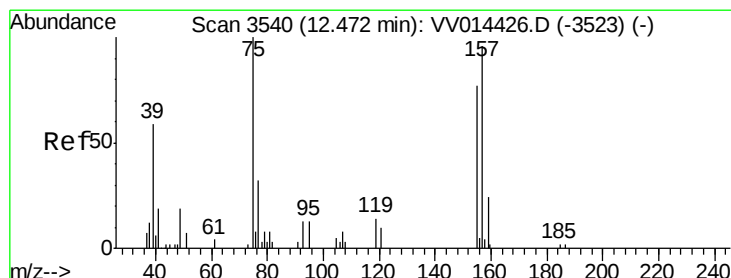
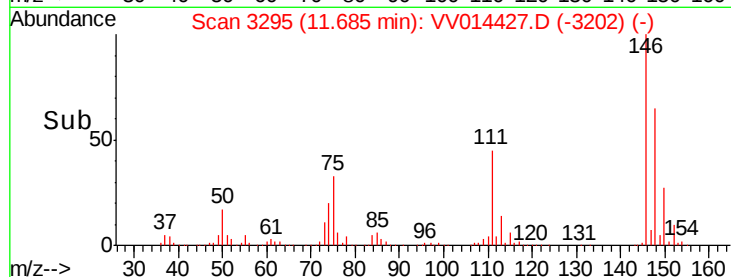
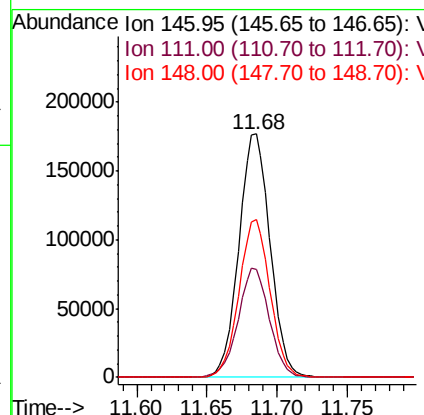
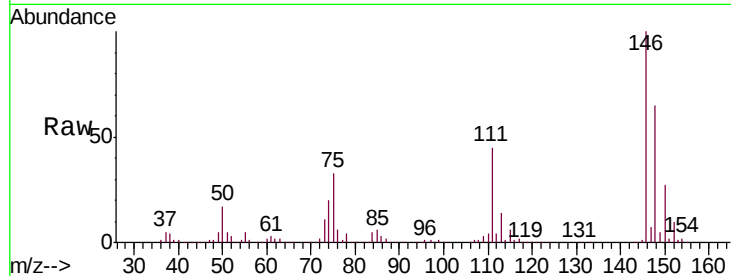




#65
 1,2-Dichlorobenzene
 Concen: 9.650 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

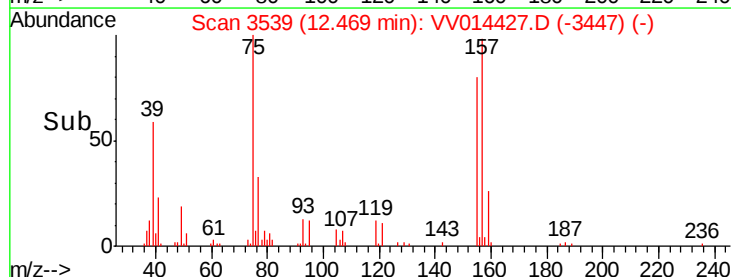
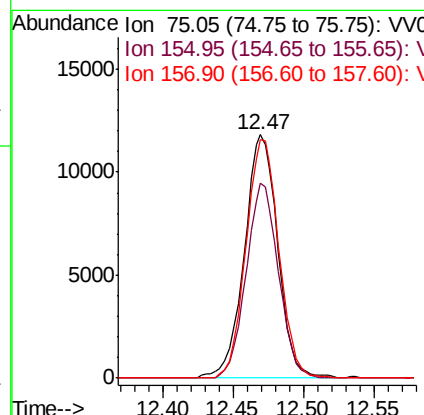
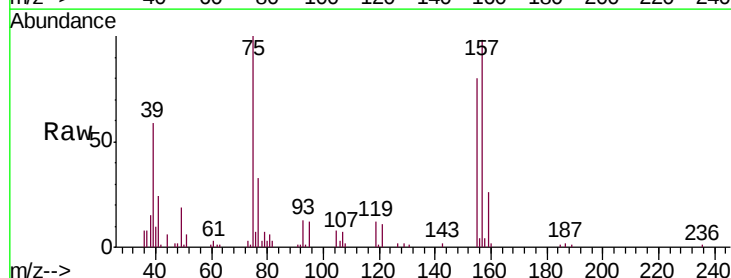
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

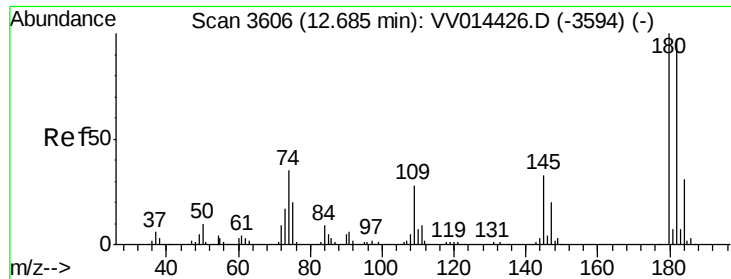
Tgt Ion: 146 Resp: 274713
 Ion Ratio Lower Upper
 146 100
 111 44.5 35.0 52.6
 148 64.6 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 7.755 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

Tgt Ion: 75 Resp: 19563
 Ion Ratio Lower Upper
 75 100
 155 79.9 61.8 92.8
 157 97.7 76.6 114.8

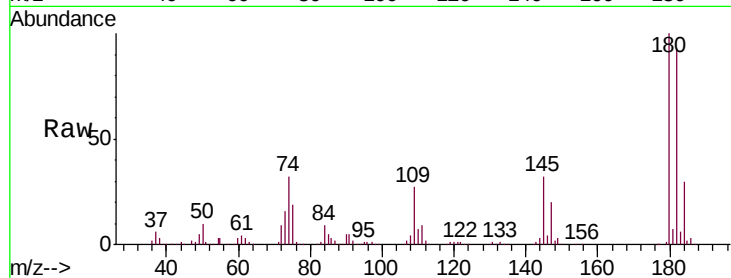




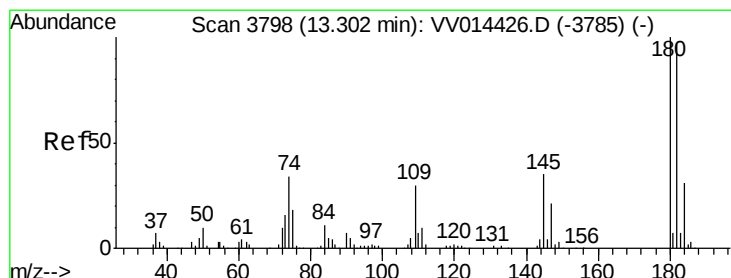
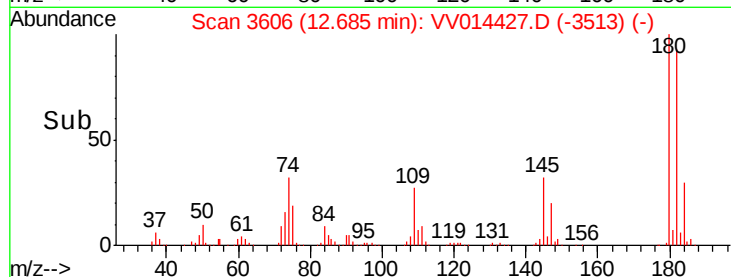
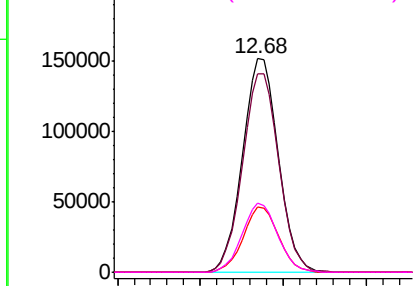
#67
 1,3,5-Trichlorobenzene
 Concen: 9.972 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tgt Ion:180 Resp: 228268
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.5 114.7
 184 30.1 23.7 35.5
 145 32.1 25.8 38.6

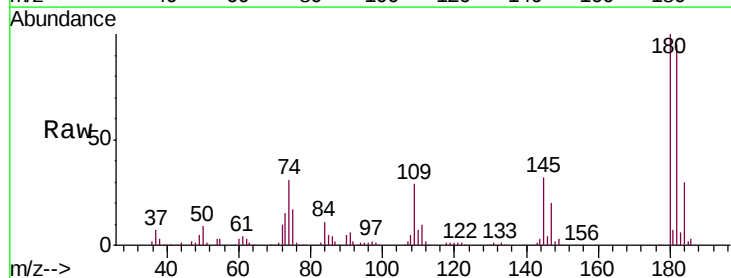


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

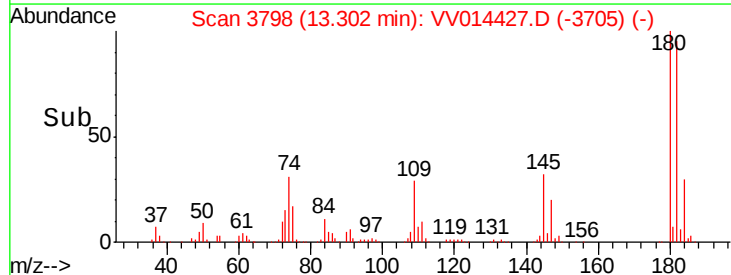
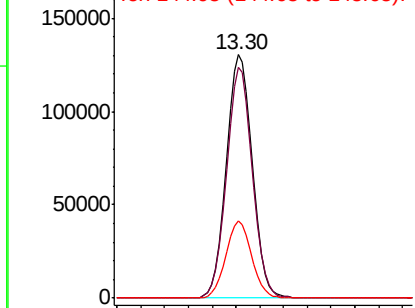


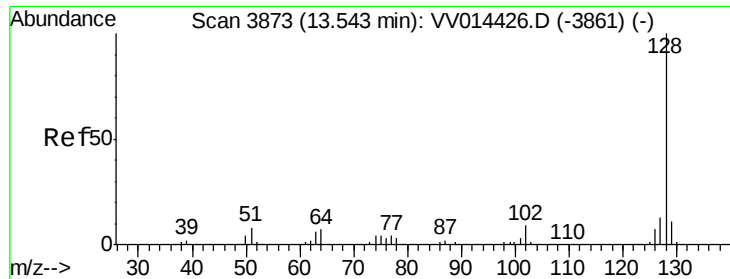
#68
 1,2,4-trichlorobenzene
 Concen: 9.867 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014427.D
 Acq: 29 Jan 2020 16:20

Tgt Ion:180 Resp: 197196
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.5 113.3
 145 31.4 26.8 40.2



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: 9.013 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014427.D

Acq: 29 Jan 2020 16:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

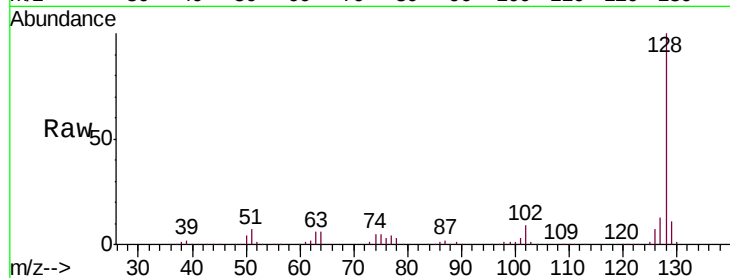
Tgt Ion:128 Resp: 356334

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

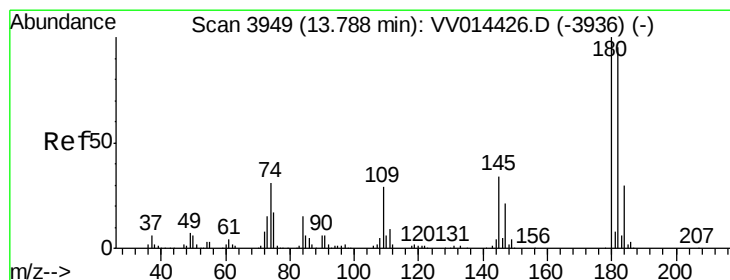
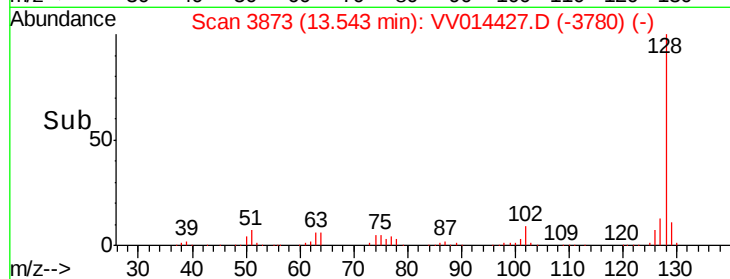
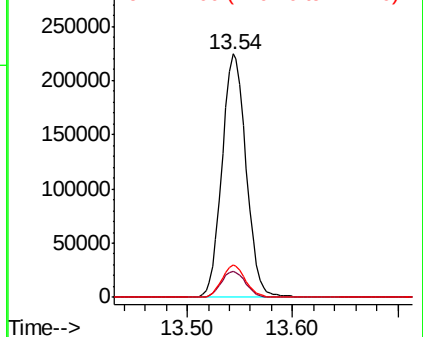
127 12.9 10.3 15.5



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: 9.636 ug/L

RT: 13.78 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VV014427.D

Acq: 29 Jan 2020 16:20

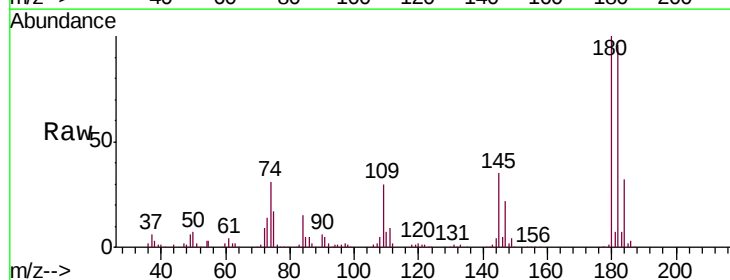
Tgt Ion:180 Resp: 168677

Ion Ratio Lower Upper

180 100

182 94.9 76.0 114.0

145 34.7 27.6 41.4



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

