

Data File : VV014527.D
Acq On : 06 Feb 2020 19:17
Operator : SY/MD
Sample : VSTD10065
Misc : 5.0g/10.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Quant Time: Feb 07 03:22:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM020720S.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 03:18:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	349878	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	336984	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	169578	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	359428	78.85	ug/L	0.00
7) Chloroethane-d5	1.57	69	237073	71.28	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	537072	67.56	ug/L	0.00
20) 2-Butanone-d5	3.91	46	333142	152.79	ug/L	0.00
24) Chloroform-d	4.39	84	897060	94.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.07	65	514641	92.63	ug/L	0.00
29) Benzene-d6	5.09	84	1823650	93.42	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	574006	96.30	ug/L	0.00
37) Toluene-d8	7.35	98	1699940	96.90	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	296346	111.36	ug/L	0.00
39) 2-Hexanone-d5	8.12	63	273351	212.19	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.25	84	528852	96.14	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	627627	95.12	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	602549	105.548 ug/L	99
3) Chloromethane	1.25	50	526984	97.862 ug/L	99
5) Vinyl chloride	1.32	62	418625	81.038 ug/L	99
6) Bromomethane	1.52	94	212897	86.768 ug/L	98
8) Chloroethane	1.59	64	197366	69.160 ug/L	99
9) Trichlorofluoromethane	1.77	101	595702	81.938 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	284785	68.208 ug/L	98
12) 1,1-Dichloroethene	2.14	96	254458	65.012 ug/L	90
13) Acetone	2.18	43	369868	145.504 ug/L	94
14) Carbon disulfide	2.32	76	1449723	89.919 ug/L	99
15) Methyl Acetate	2.45	43	287654	75.153 ug/L	99
16) Methylene chloride	2.53	84	530304	81.186 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	1356031	97.438 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	494900	88.907 ug/L	98
19) 1,1-Dichloroethane	3.23	63	871640	86.858 ug/L	99
21) 2-Butanone	4.00	43	469136	174.079 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	562896	95.014 ug/L	98
23) Bromochloromethane	4.29	128	265577	94.470 ug/L	98
25) Chloroform	4.42	83	919699	87.446 ug/L	100
27) 1,2-Dichloroethane	5.17	62	633099	88.750 ug/L	100
30) Cyclohexane	4.72	56	811174	90.326 ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	760930	89.802 ug/L	99
32) Carbon tetrachloride	4.87	117	680866	90.850 ug/L	99
34) Benzene	5.14	78	1972662	89.937 ug/L	100
35) Trichloroethene	5.96	95	521977	88.432 ug/L	99
36) Methylcyclohexane	6.17	83	883227	94.909 ug/L	100
40) 1,2-Dichloropropane	6.22	63	511196	92.351 ug/L	100
41) Bromodichloromethane	6.55	83	701105	97.460 ug/L	100
42) cis-1,3-Dichloropropene	7.06	75	879757	104.325 ug/L	99
43) 4-Methyl-2-pentanone	7.26	43	787960	160.490 ug/L	99

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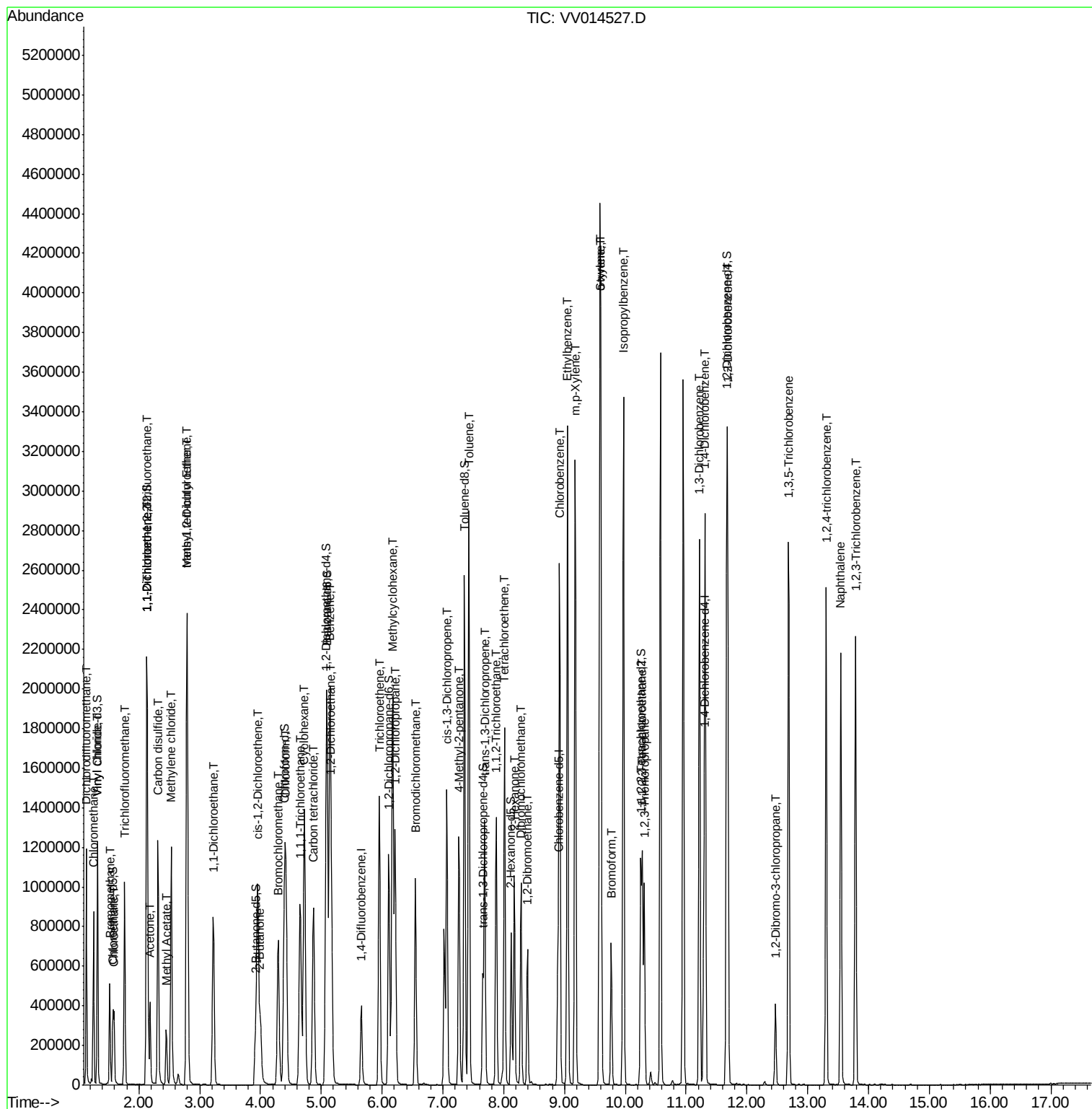
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	2100285	93.267	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	733993	102.379	ug/L	99
46) 1,1,2-Trichloroethane	7.87	97	422171	94.633	ug/L	99
47) Tetrachloroethene	8.01	164	399880	81.480	ug/L	99
49) 2-Hexanone	8.17	43	633196	176.467	ug/L	99
50) Dibromochloromethane	8.29	129	528076	99.050	ug/L	97
51) 1,2-Dibromoethane	8.39	107	445782	96.743	ug/L	99
52) Chlorobenzene	8.92	112	1385865	90.918	ug/L	99
53) Ethylbenzene	9.05	91	2349646	94.667	ug/L	100
54) m,p-Xylene	9.18	106	900887	96.354	ug/L	99
55) o-xylene	9.58	106	865733	96.554	ug/L	99
56) Styrene	9.60	104	1506193	97.467	ug/L	97
57) Isopropylbenzene	9.97	105	2256327	94.697	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	546123	94.671	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	408687	86.999	ug/L	100
62) Bromoform	9.77	173	315229	95.208	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	1110079	94.284	ug/L	99
64) 1,4-Dichlorobenzene	11.31	146	1113656	92.329	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	1031985	94.378	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	102713	102.084	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	823469	90.110	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	739253	93.328	ug/L	99
69) Naphthalene	13.54	128	1703763	108.874	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	666480	91.507	ug/L	100

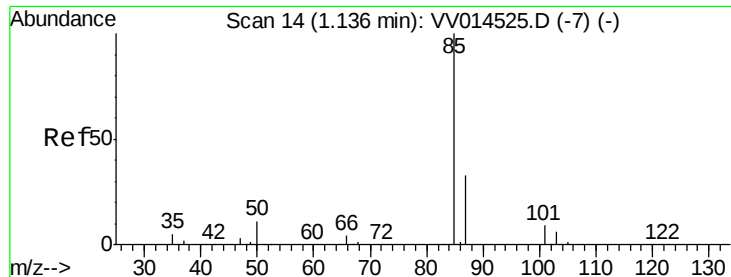
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 105.548 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

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Acq: 06 Feb 2020 19:17

Instrument :

MSVOA_V

ClientSampleId :

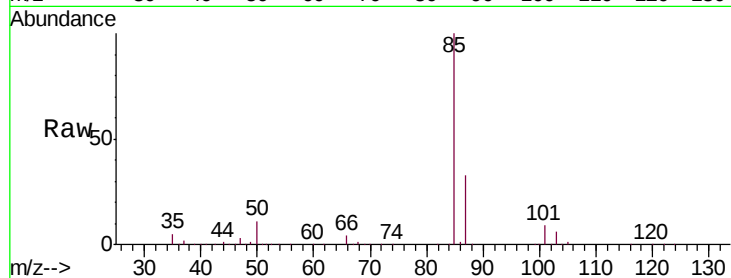
VSTD10065

Tgt Ion: 85 Resp: 602549

Ion Ratio Lower Upper

85 100

87 32.4 23.0 42.8



Abundance Ion 85.00 (84.70 to 85.70): VV014527.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV014527.D (-7) (-)

1.14

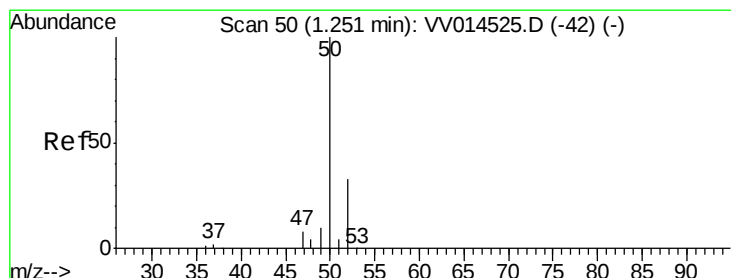
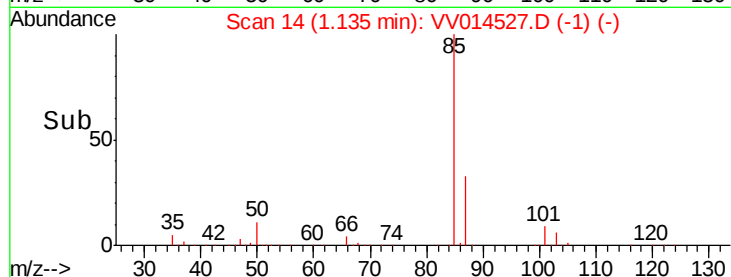
600000

400000

200000

0

Time-->



#3

Chloromethane

Concen: 97.862 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV014527.D

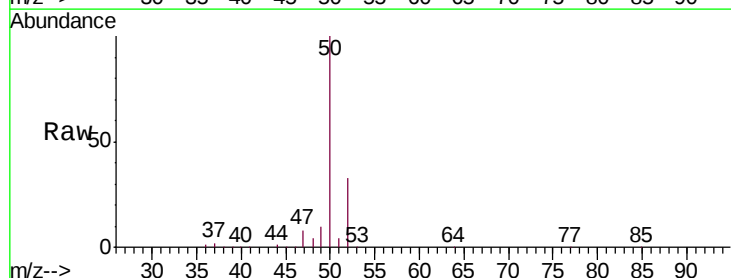
Acq: 06 Feb 2020 19:17

Tgt Ion: 50 Resp: 526984

Ion Ratio Lower Upper

50 100

52 33.5 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV014527.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV014527.D (-42) (-)

1.25

600000

500000

400000

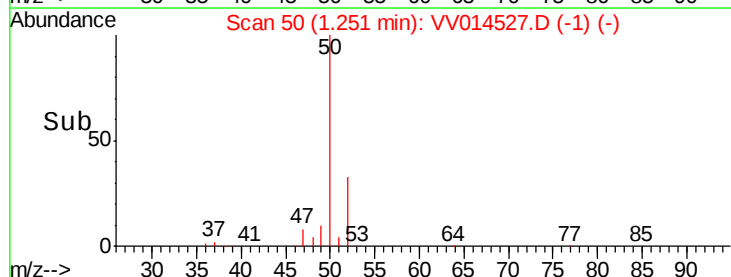
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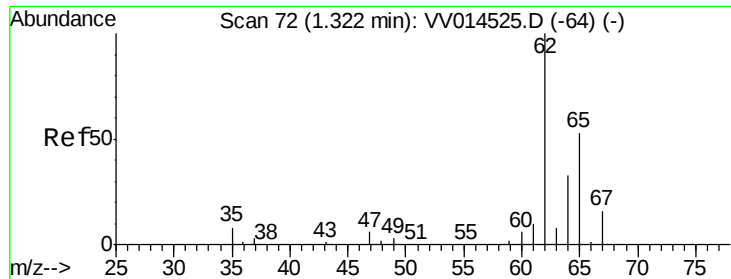
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 81.038 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

Instrument :

MSVOA_V

ClientSampleId :

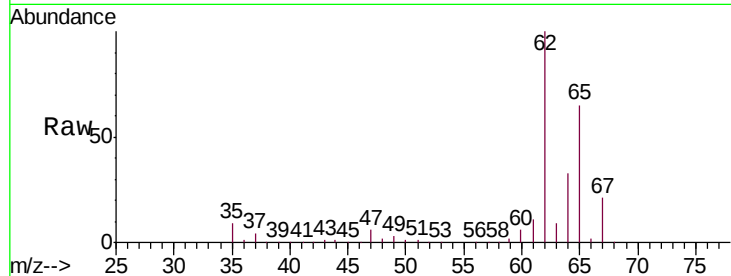
VSTD10065

Tgt Ion: 62 Resp: 418625

Ion Ratio Lower Upper

62 100

64 33.3 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

400000

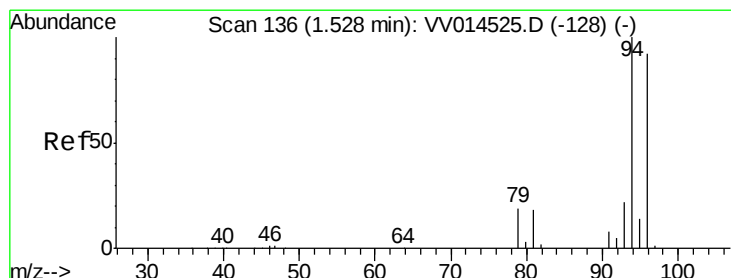
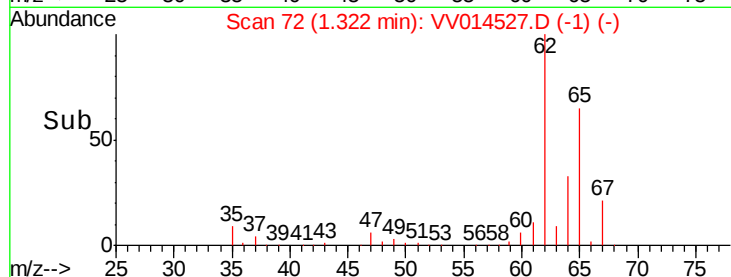
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 86.768 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.01 min

Lab File: VV014527.D

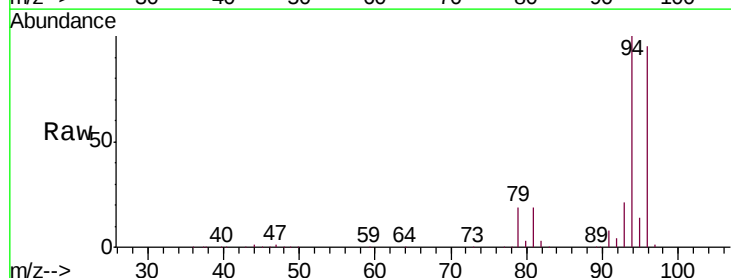
Acq: 06 Feb 2020 19:17

Tgt Ion: 94 Resp: 212897

Ion Ratio Lower Upper

94 100

96 95.3 9.4 178.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

200000

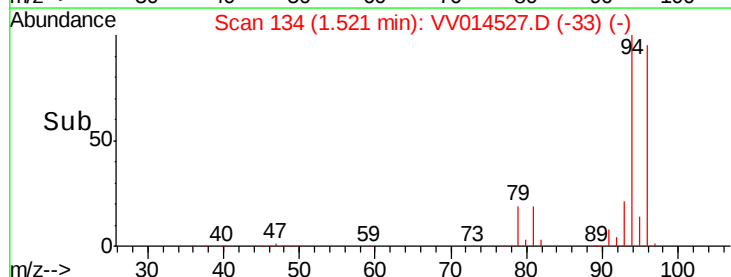
150000

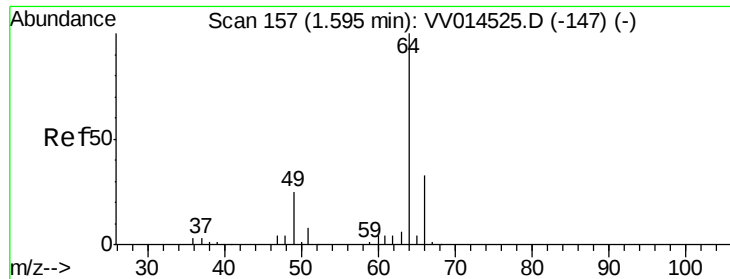
100000

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Time-->

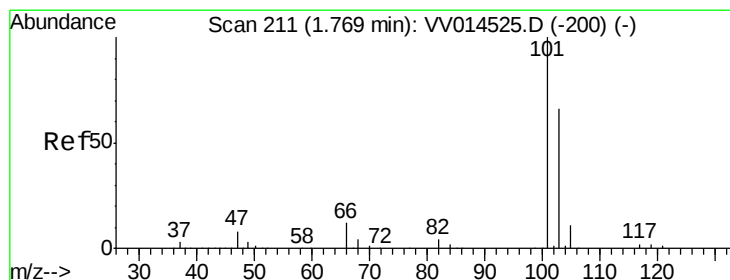
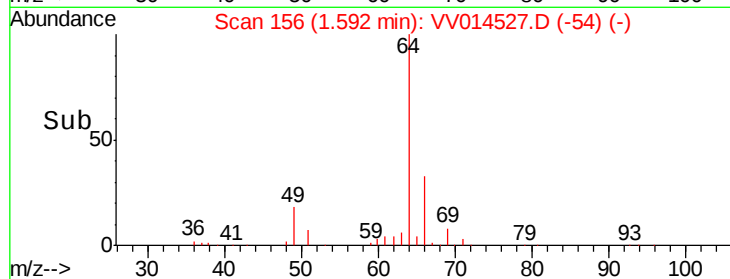
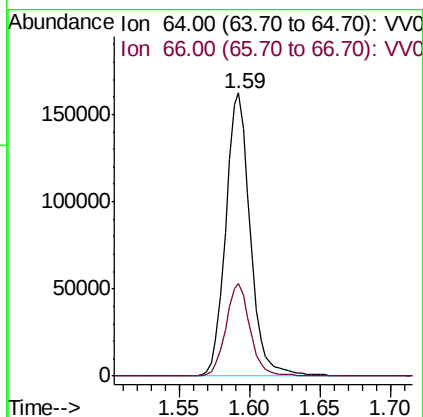
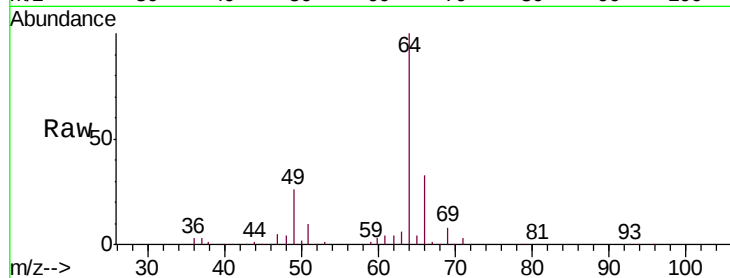




#8
Chloroethane
Concen: 69.160 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV014527.D
Acq: 06 Feb 2020 19:17

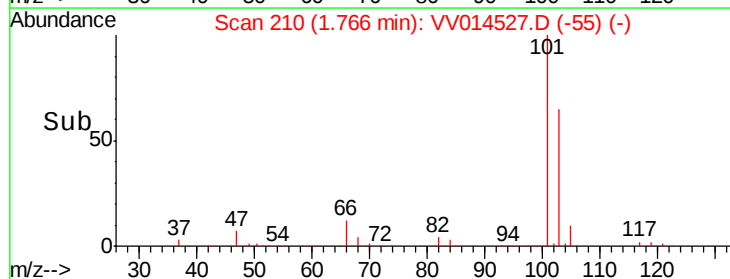
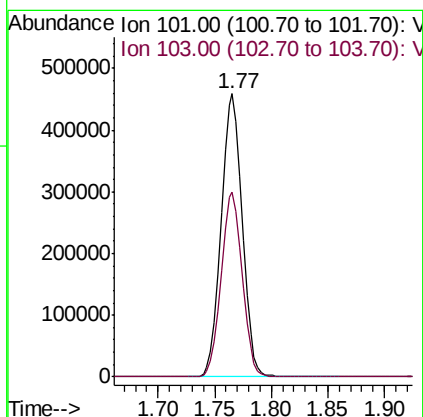
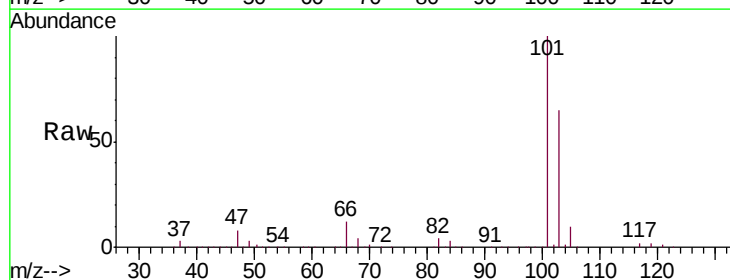
Instrument :
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ClientSampleId :
VSTD10065

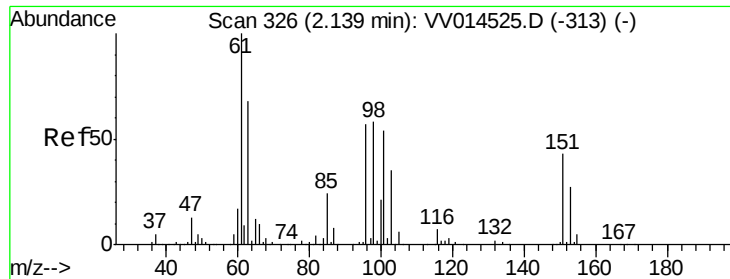
Tgt Ion: 64 Resp: 197366
Ion Ratio Lower Upper
64 100
66 32.5 23.2 43.0



#9
Trichlorofluoromethane
Concen: 81.938 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV014527.D
Acq: 06 Feb 2020 19:17

Tgt Ion: 101 Resp: 595702
Ion Ratio Lower Upper
101 100
103 65.0 45.8 85.2





#11

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

Concen: 68.208 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

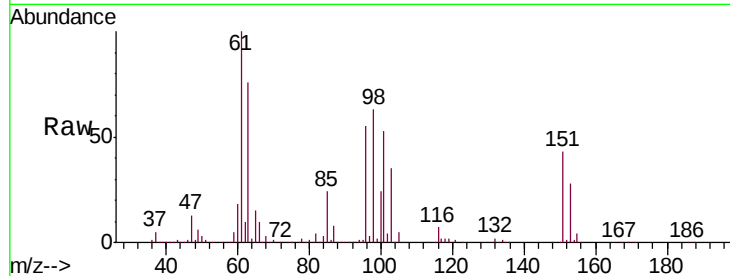
Tgt Ion: 101 Resp: 284785

Ion Ratio Lower Upper

101 100

85 44.1 34.8 52.2

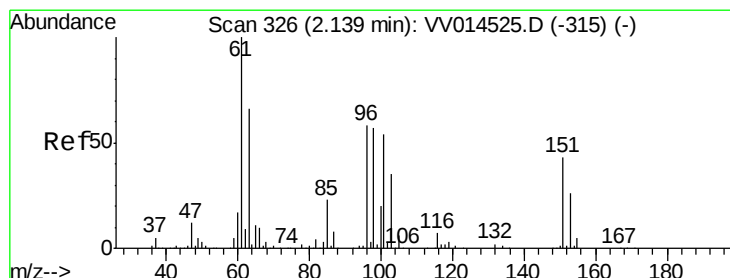
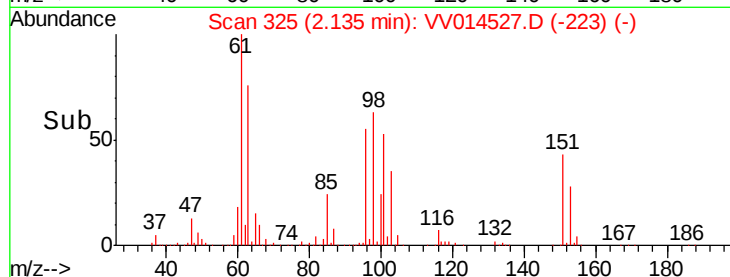
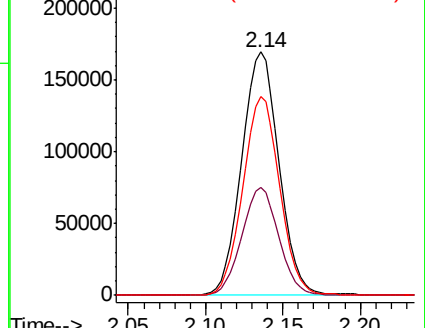
151 80.5 62.9 94.3



Abundance Ion 101.00 (100.70 to 101.70): VV014527.D (-223) (-)

Ion 85.00 (84.70 to 85.70): VV014527.D (-223) (-)

Ion 151.00 (150.70 to 151.70): VV014527.D (-223) (-)



#12

1,1-Dichloroethene

Concen: 65.012 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

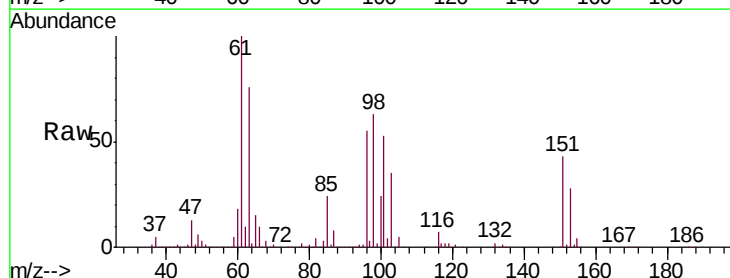
Tgt Ion: 96 Resp: 254458

Ion Ratio Lower Upper

96 100

61 180.6 121.9 226.5

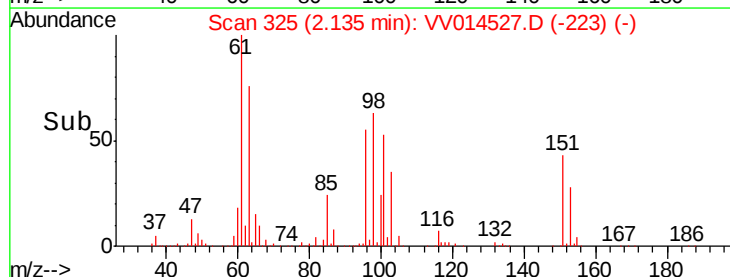
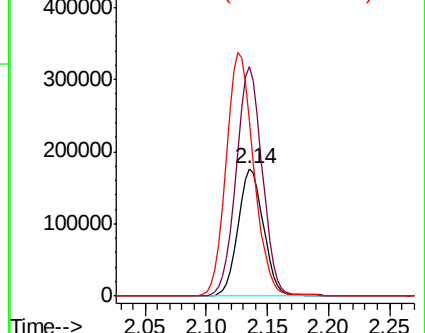
63 138.0 83.2 154.4

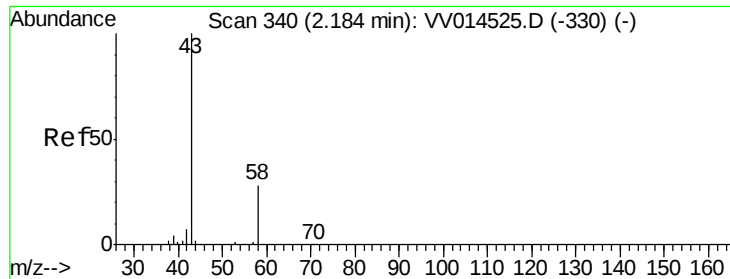


Abundance Ion 96.00 (95.70 to 96.70): VV014527.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV014527.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV014527.D (-223) (-)





#13

Acetone

Concen: 145.504 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.00 min

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Acq: 06 Feb 2020 19:17

Instrument :

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ClientSampleId :

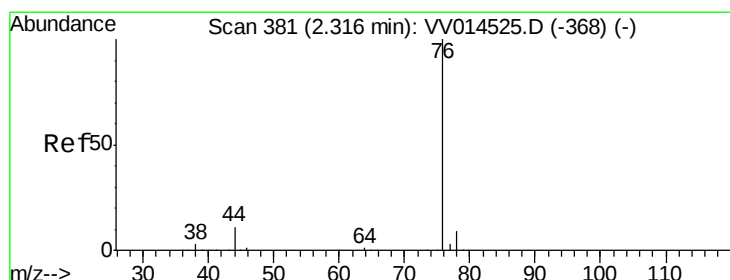
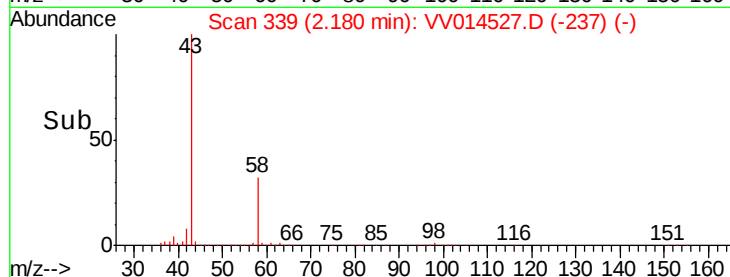
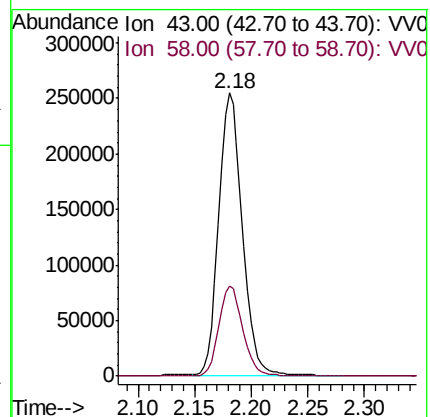
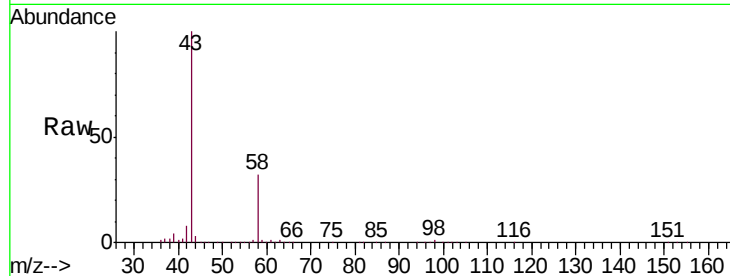
VSTD10065

Tgt Ion: 43 Resp: 369868

Ion Ratio Lower Upper

43 100

58 32.4 0.0 58.8



#14

Carbon disulfide

Concen: 89.919 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV014527.D

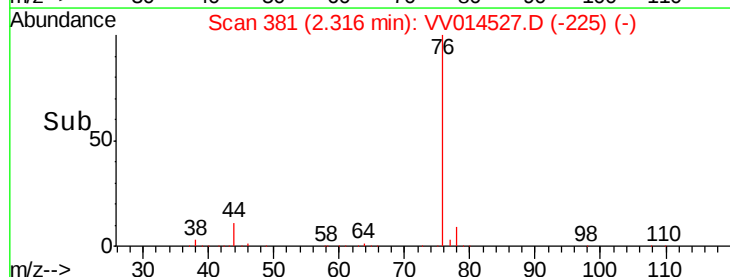
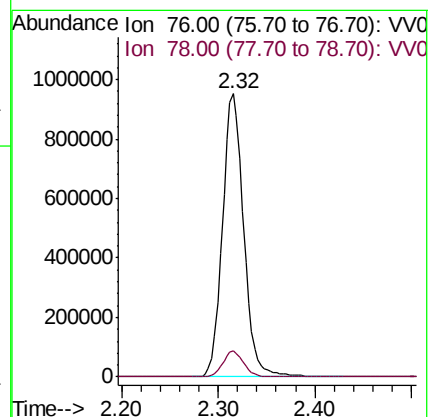
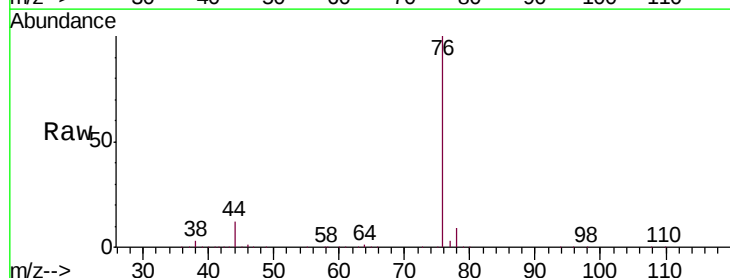
Acq: 06 Feb 2020 19:17

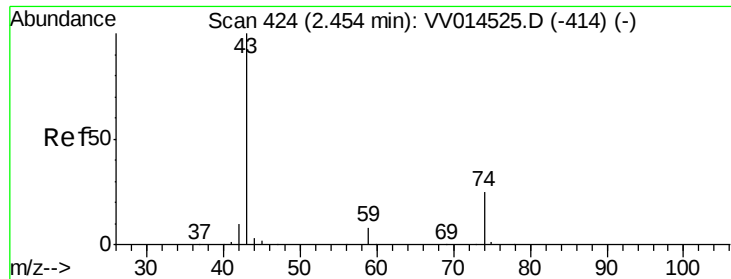
Tgt Ion: 76 Resp: 1449723

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

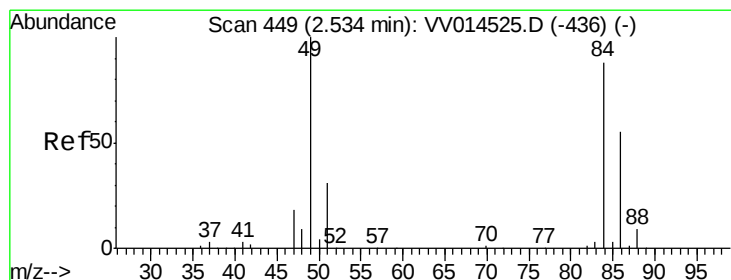
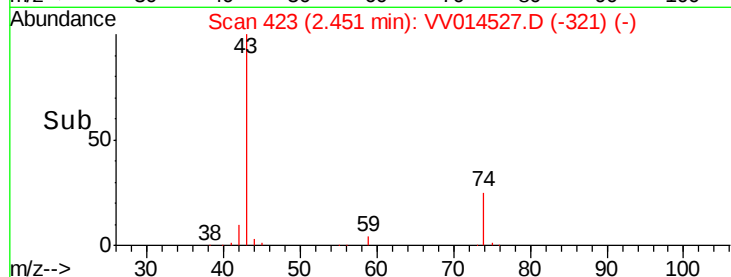
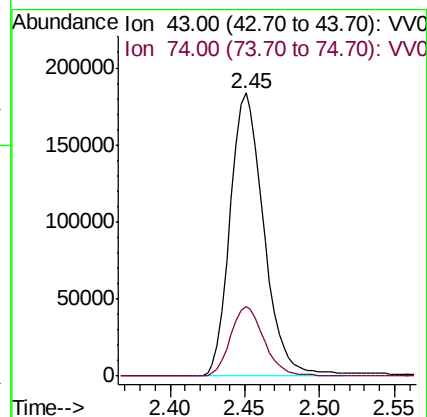
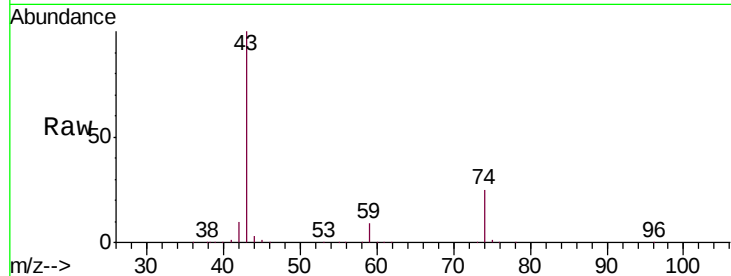




#15
Methyl Acetate
Concen: 75.153 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.00 min
Lab File: VV014527.D
Acq: 06 Feb 2020 19:17

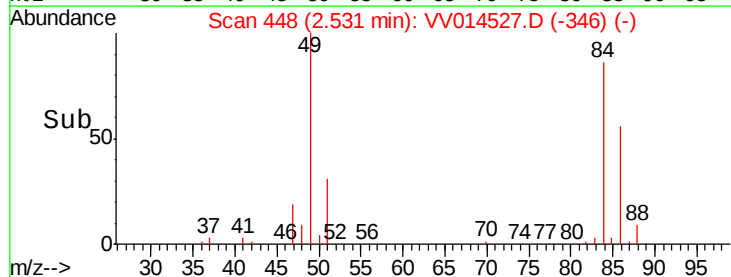
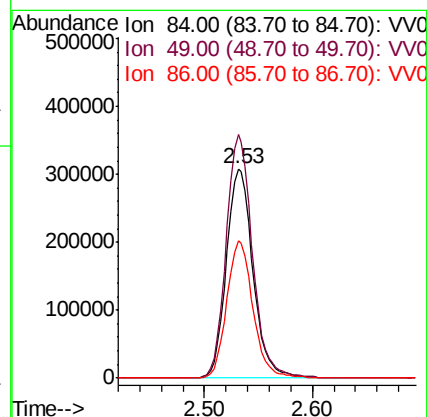
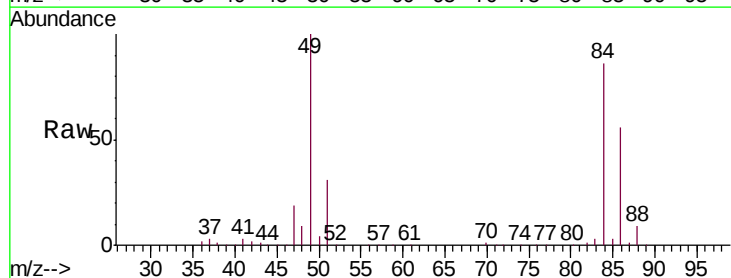
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

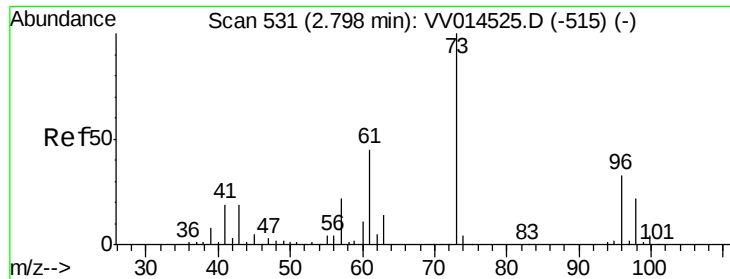
Tgt Ion: 43 Resp: 287654
Ion Ratio Lower Upper
43 100
74 24.6 19.4 29.0



#16
Methylene chloride
Concen: 81.186 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV014527.D
Acq: 06 Feb 2020 19:17

Tgt Ion: 84 Resp: 530304
Ion Ratio Lower Upper
84 100
49 116.2 79.1 146.9
86 65.5 43.9 81.5

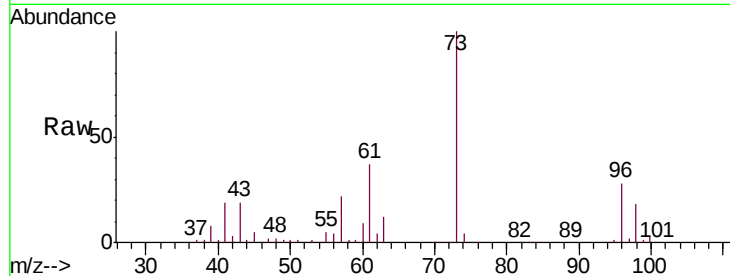




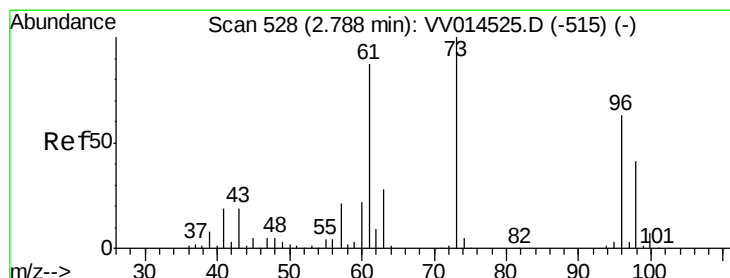
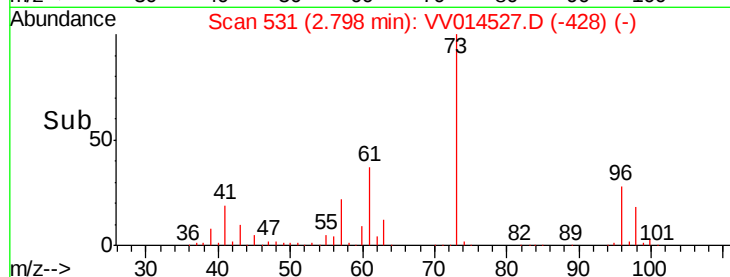
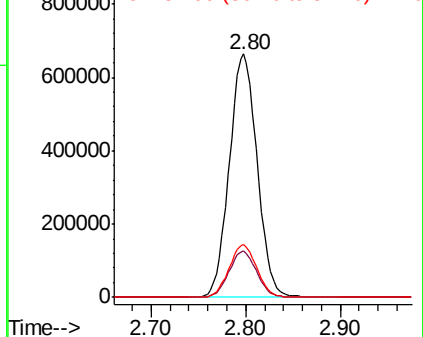
#17
Methyl tert-butyl Ether
Concen: 97.438 ug/L
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV014527.D
Acq: 06 Feb 2020 19:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion: 73 Resp: 1356031
Ion Ratio Lower Upper
73 100
43 18.8 14.7 22.1
57 21.6 17.4 26.0

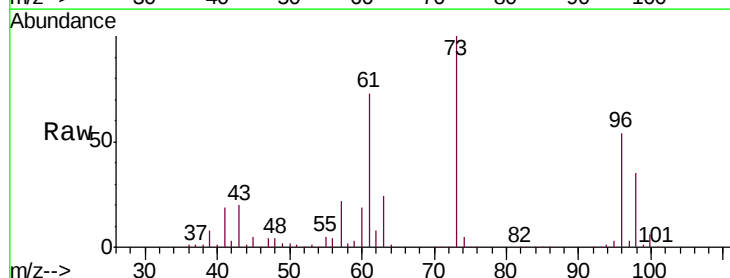


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

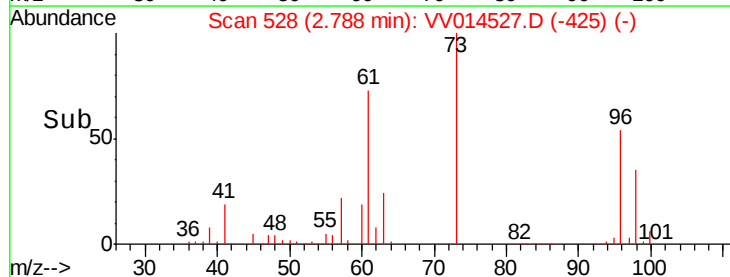
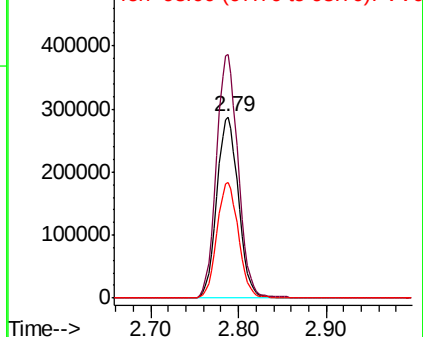


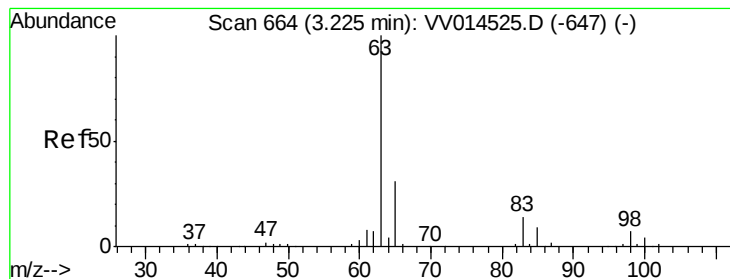
#18
trans-1,2-Dichloroethene
Concen: 88.907 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV014527.D
Acq: 06 Feb 2020 19:17

Tgt Ion: 96 Resp: 494900
Ion Ratio Lower Upper
96 100
61 134.5 96.2 178.8
98 64.1 44.8 83.2



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





#19

1,1-Dichloroethane

Concen: 86.858 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

Instrument :

MSVOA_V

ClientSampled :

VSTD10065

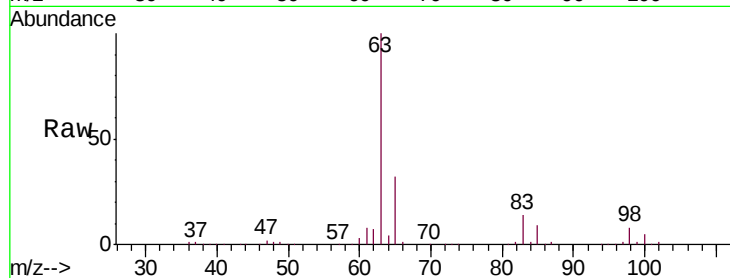
Tgt Ion: 63 Resp: 871640

Ion Ratio Lower Upper

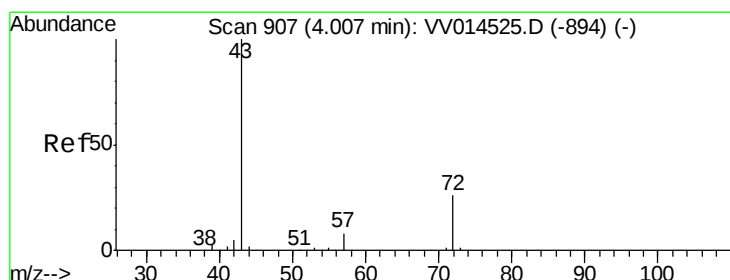
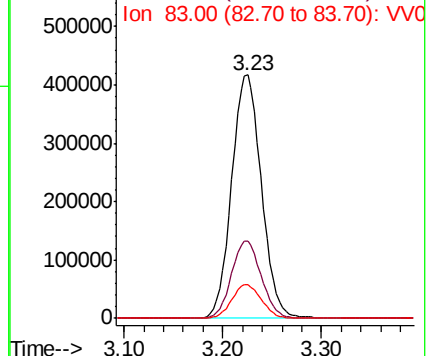
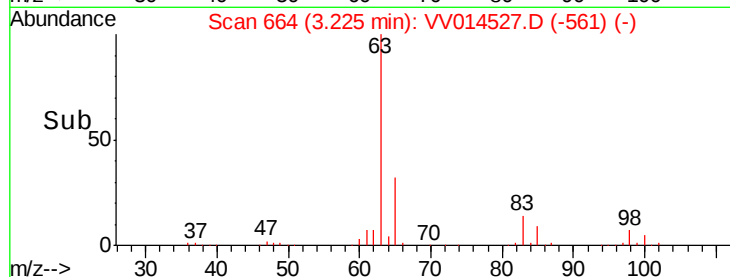
63 100

65 31.9 21.8 40.4

83 13.7 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VV014527.D (-561) (-)



#21

2-Butanone

Concen: 174.079 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.01 min

Lab File: VV014527.D

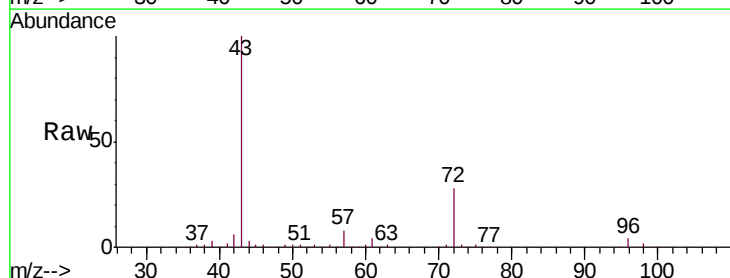
Acq: 06 Feb 2020 19:17

Tgt Ion: 43 Resp: 469136

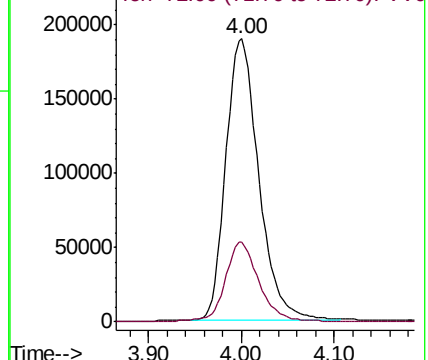
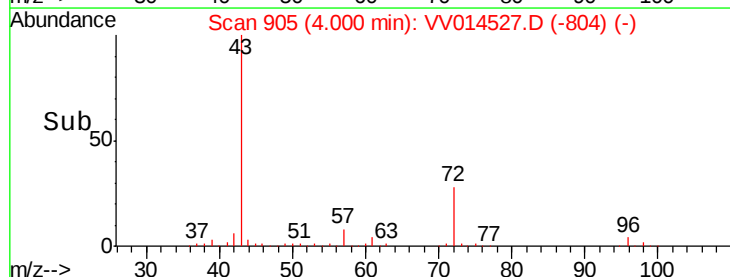
Ion Ratio Lower Upper

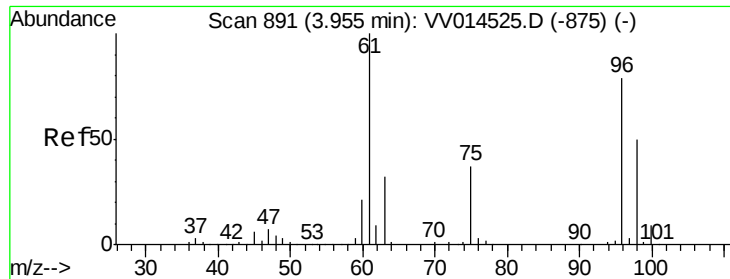
43 100

72 29.4 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VV014527.D (-804) (-)



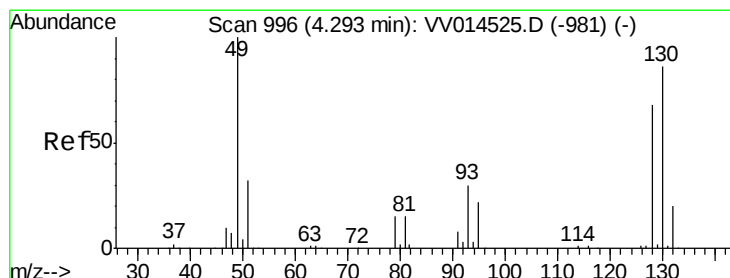
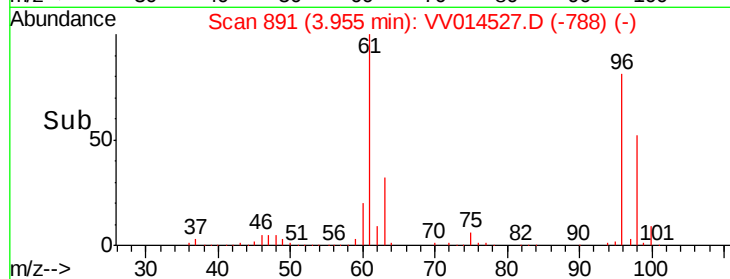
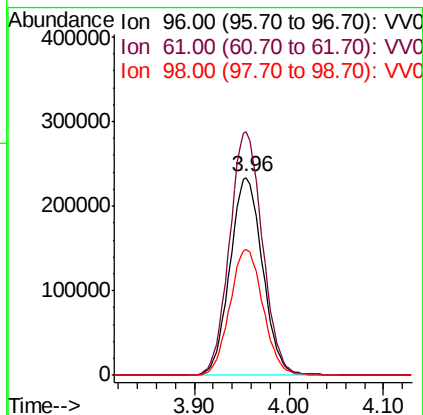
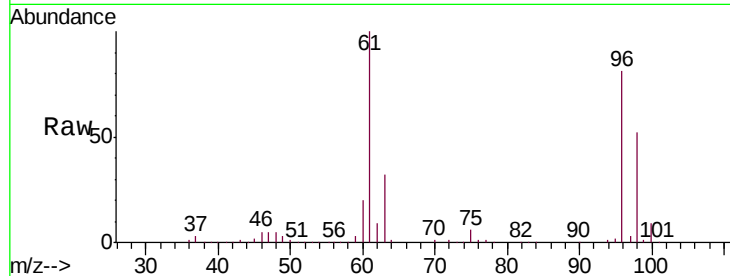


#22

cis-1,2-Dichloroethene
 Concen: 95.014 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VV014527.D
 Acq: 06 Feb 2020 19:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

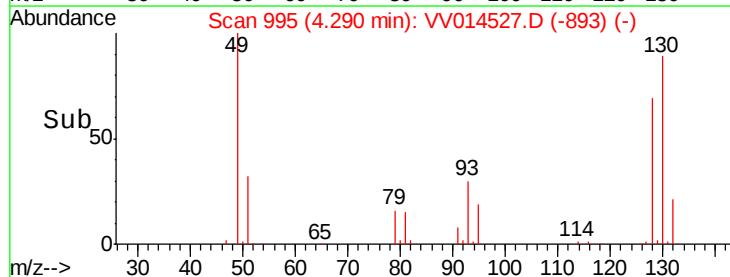
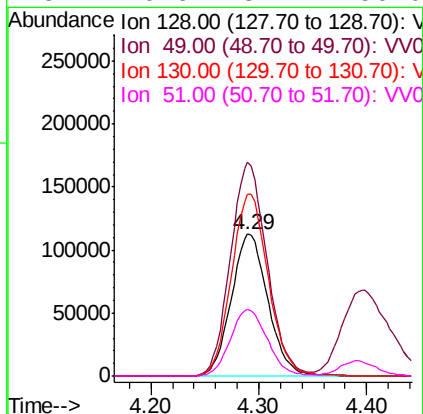
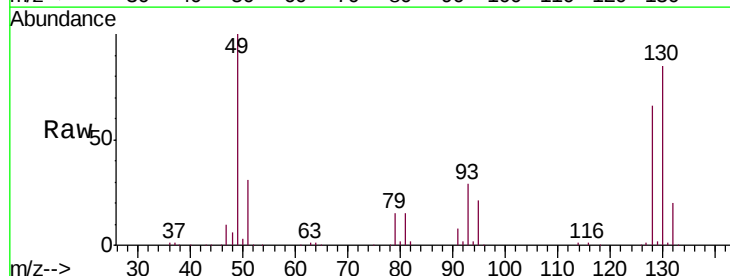
Tgt Ion: 96 Resp: 562896
 Ion Ratio Lower Upper
 96 100
 61 123.0 88.4 164.2
 98 63.9 44.0 81.8

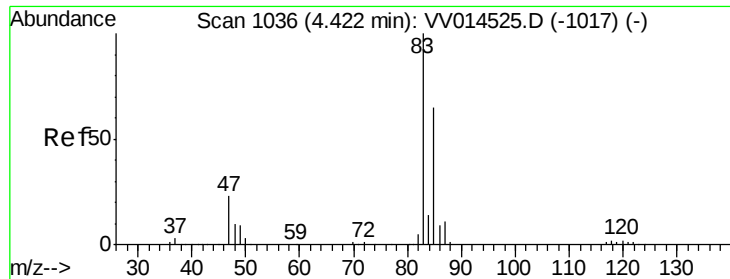


#23

Bromochloromethane
 Concen: 94.470 ug/L
 RT: 4.29 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VV014527.D
 Acq: 06 Feb 2020 19:17

Tgt Ion: 128 Resp: 265577
 Ion Ratio Lower Upper
 128 100
 49 150.9 103.7 192.7
 130 128.4 88.6 164.6
 51 46.6 37.4 56.0

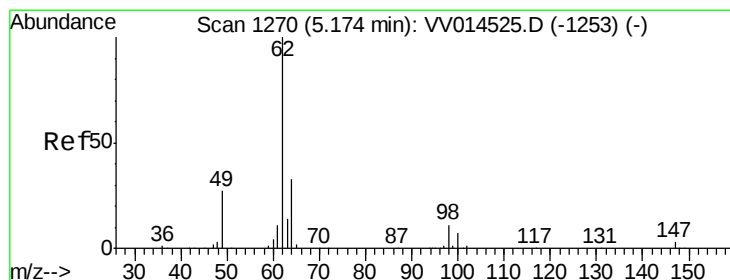
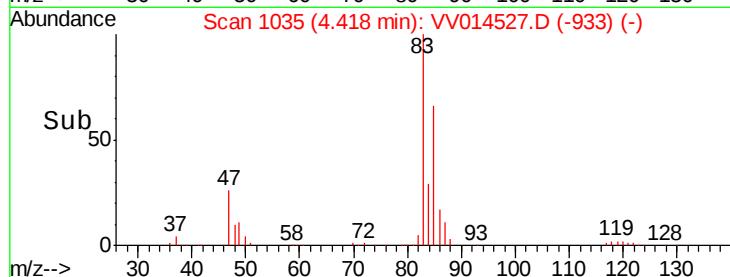
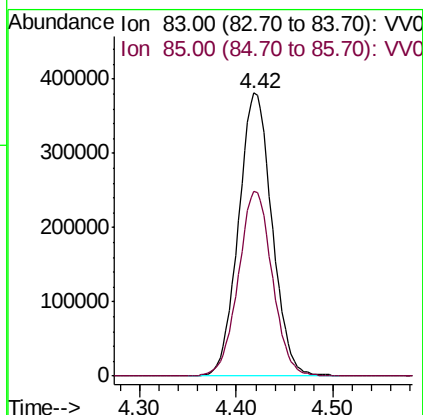
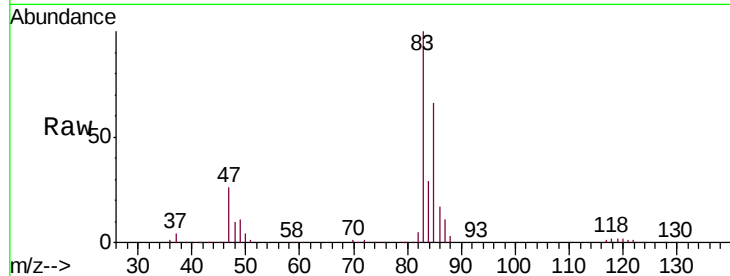




#25
Chloroform
Concen: 87.446 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV014527.D
Acq: 06 Feb 2020 19:17

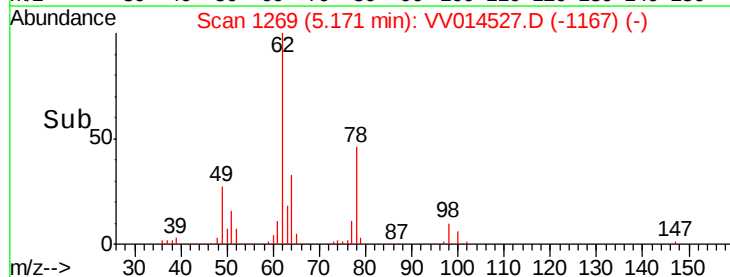
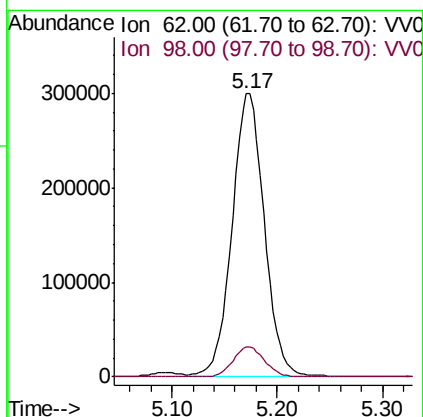
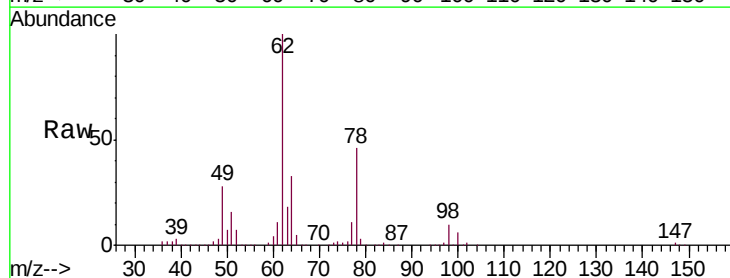
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

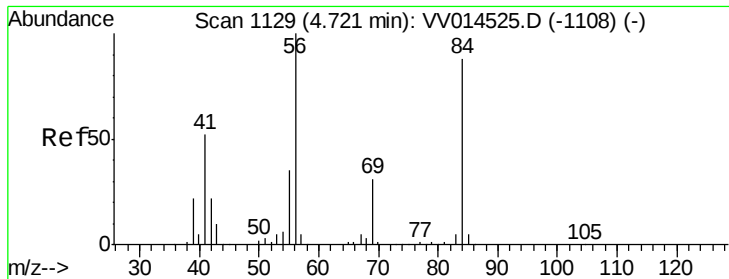
Tgt Ion: 83 Resp: 919699
Ion Ratio Lower Upper
83 100
85 66.2 46.3 86.1



#27
1,2-Dichloroethane
Concen: 88.750 ug/L
RT: 5.17 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VV014527.D
Acq: 06 Feb 2020 19:17

Tgt Ion: 62 Resp: 633099
Ion Ratio Lower Upper
62 100
98 10.4 8.5 12.7

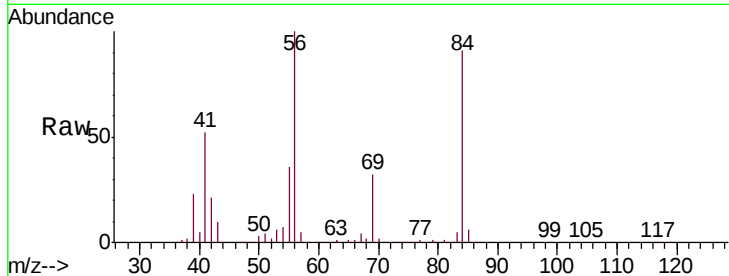




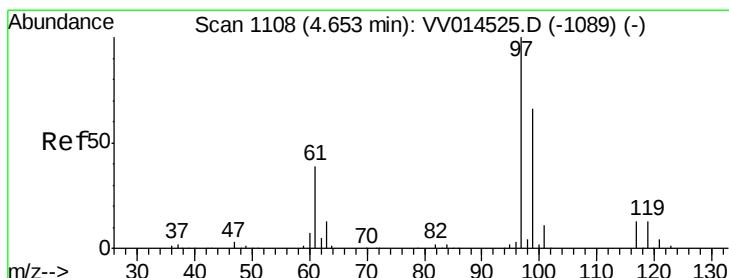
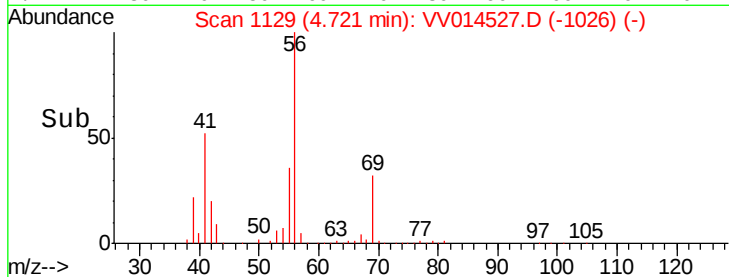
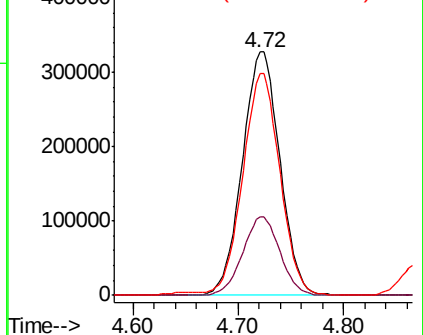
#30
Cyclohexane
Concen: 90.326 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV014527.D
Acq: 06 Feb 2020 19:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion: 56 Resp: 811174
Ion Ratio Lower Upper
56 100
69 32.0 25.3 37.9
84 90.1 71.9 107.9

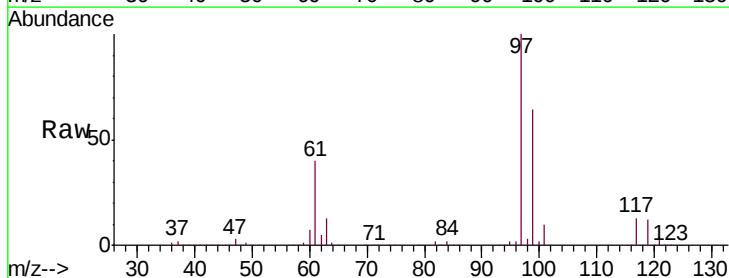


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

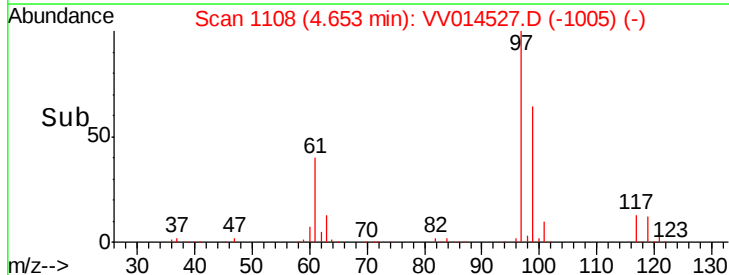
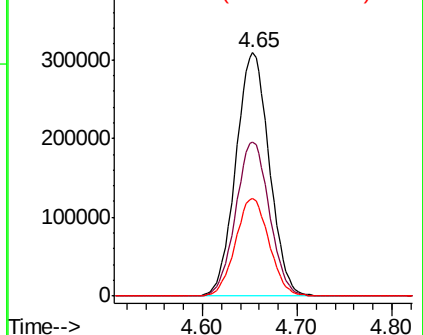


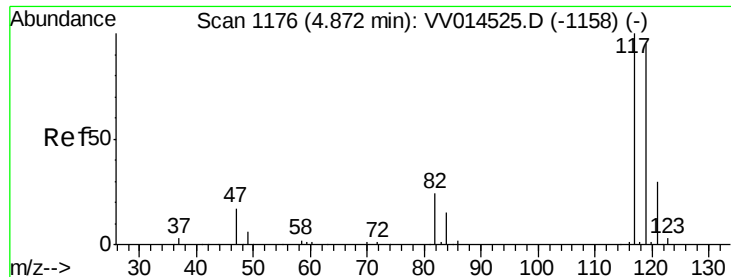
#31
1,1,1-Trichloroethane
Concen: 89.802 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV014527.D
Acq: 06 Feb 2020 19:17

Tgt Ion: 97 Resp: 760930
Ion Ratio Lower Upper
97 100
99 63.8 51.5 77.3
61 40.3 31.8 47.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 90.850 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

Instrument :

MSVOA_V

ClientSampleId :

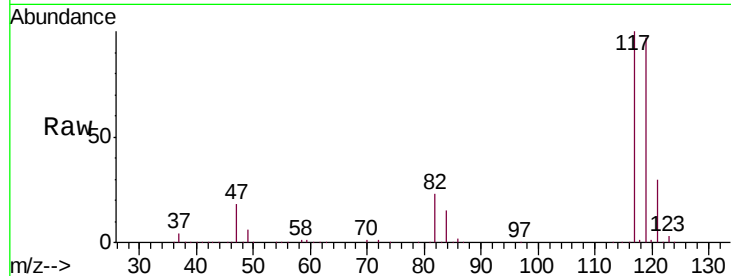
VSTD10065

Tgt Ion:117 Resp: 680866

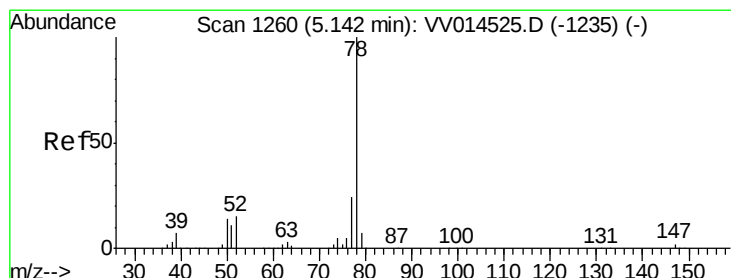
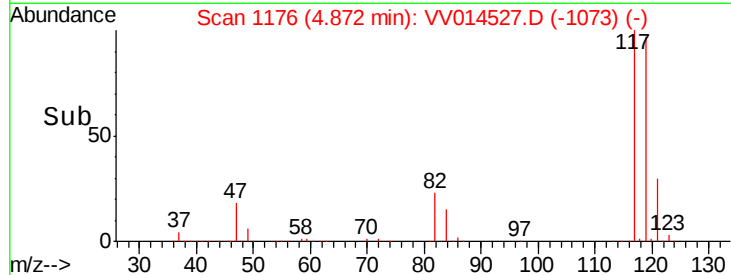
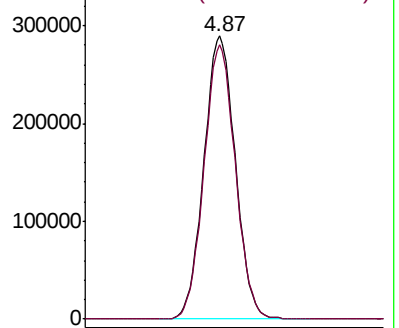
Ion Ratio Lower Upper

117 100

119 96.5 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V



#34

Benzene

Concen: 89.937 ug/L

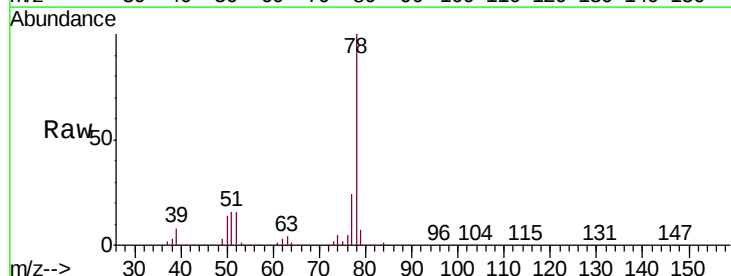
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

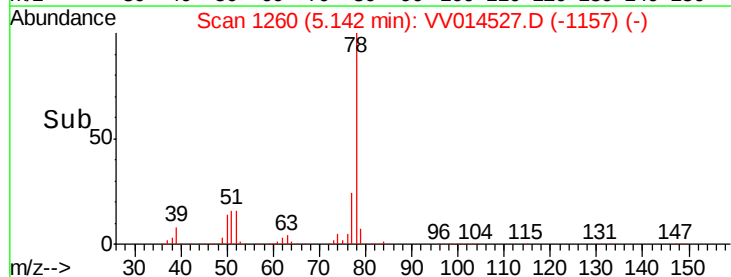
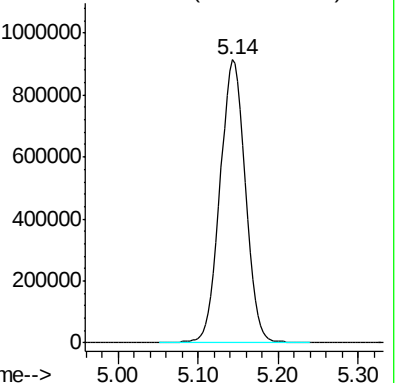
Lab File: VV014527.D

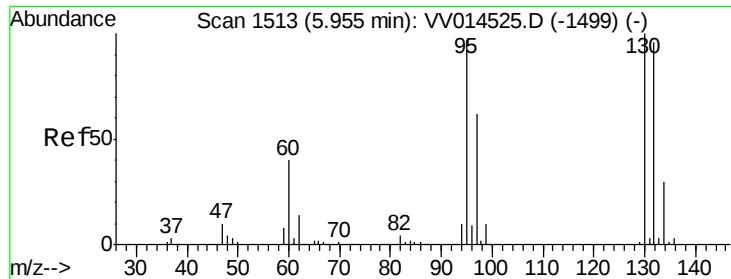
Acq: 06 Feb 2020 19:17

Tgt Ion: 78 Resp: 1972662



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 88.432 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

Tgt Ion: 95 Resp: 521977

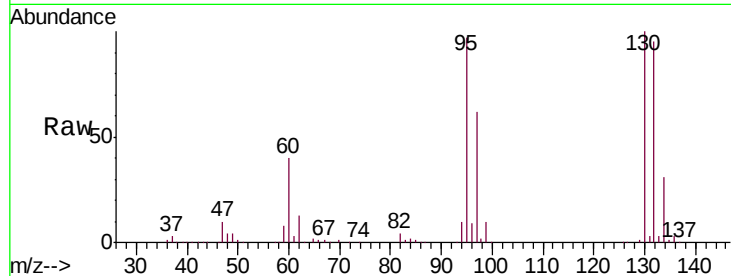
Ion Ratio Lower Upper

95 100

97 64.3 44.6 82.8

132 97.4 68.5 127.1

130 103.0 71.5 132.9



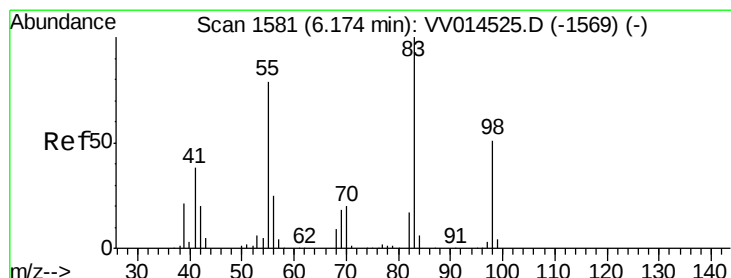
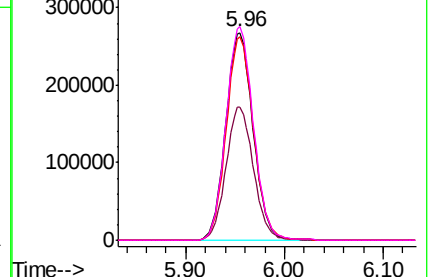
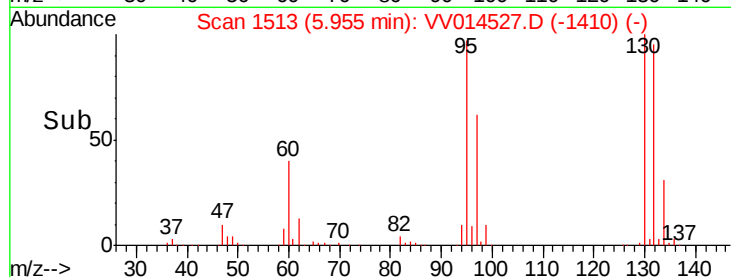
Abundance

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



#36

Methylcyclohexane

Concen: 94.909 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

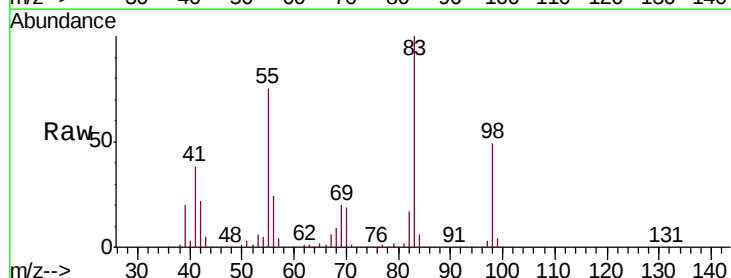
Tgt Ion: 83 Resp: 883227

Ion Ratio Lower Upper

83 100

55 74.5 59.8 89.6

98 49.6 39.9 59.9

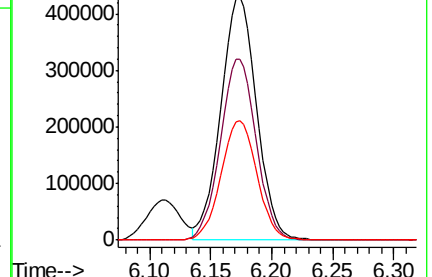
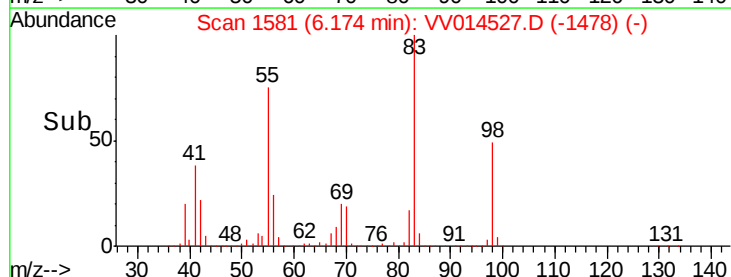


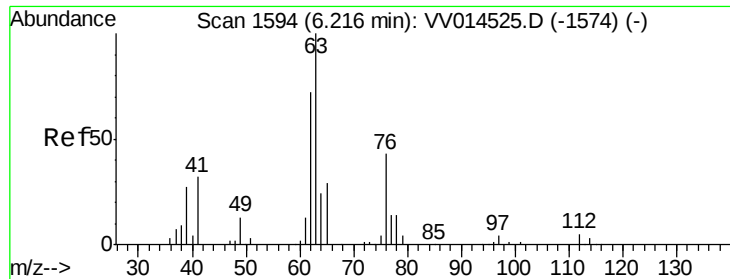
Abundance

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





#40

1,2-Dichloropropane

Concen: 92.351 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

Instrument :

MSVOA_V

ClientSampled :

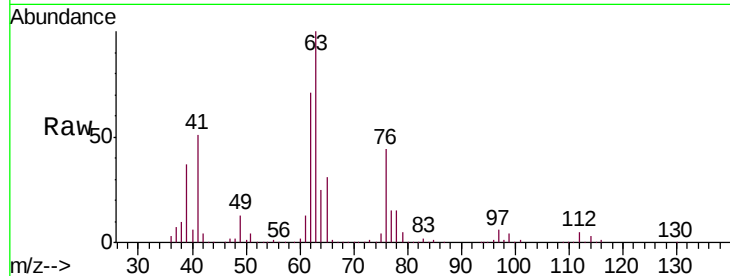
VSTD10065

Tgt Ion: 63 Resp: 511196

Ion Ratio Lower Upper

63 100

112 4.8 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VV014527.D (-1595) (-)

Ion 112.00 (111.70 to 112.70): VV014527.D (-1595) (-)

6.22

250000

200000

150000

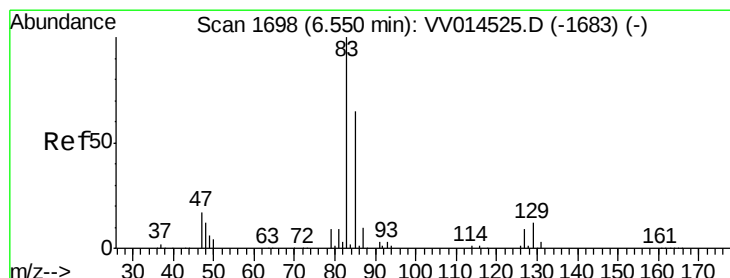
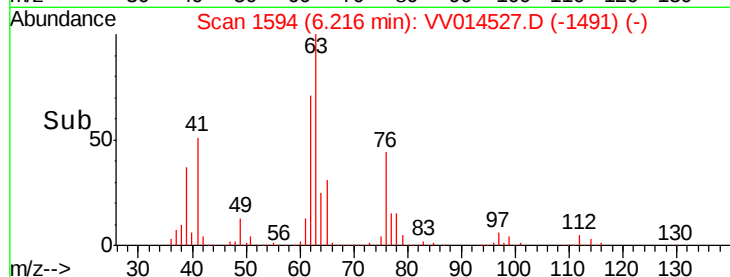
100000

50000

0

6.10 6.20 6.30

Time-->



#41

Bromodichloromethane

Concen: 97.460 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

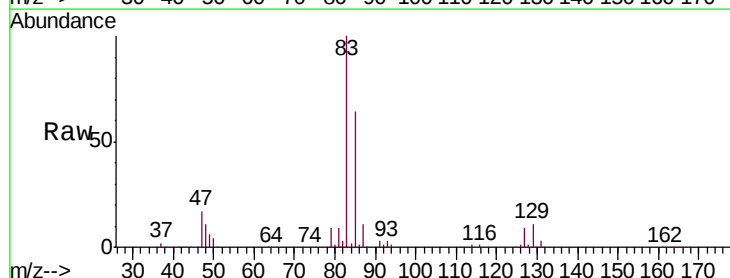
Tgt Ion: 83 Resp: 701105

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.9

127 8.7 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VV014527.D (-1595) (-)

Ion 85.00 (84.70 to 85.70): VV014527.D (-1595) (-)

Ion 127.00 (126.70 to 127.70): VV014527.D (-1595) (-)

6.55

500000

400000

300000

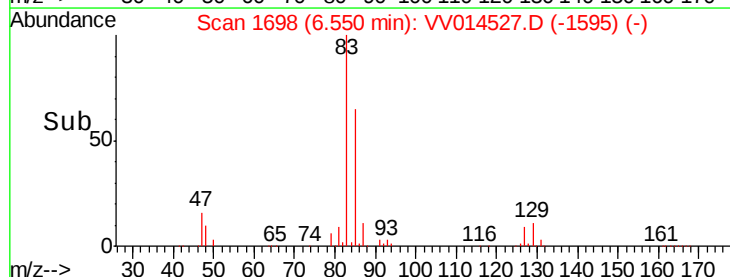
200000

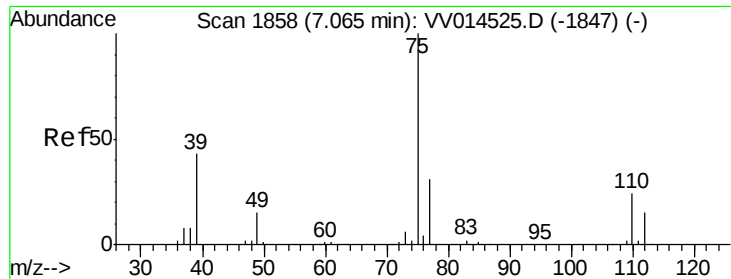
100000

0

6.45 6.50 6.55 6.60 6.65

Time-->



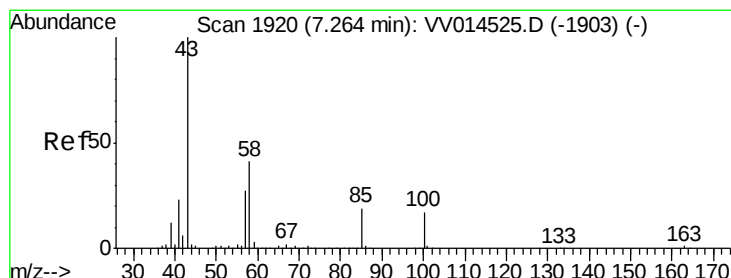
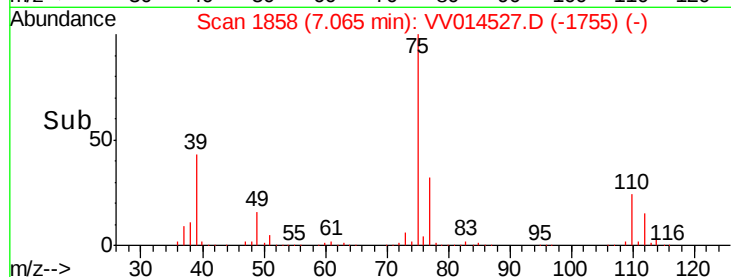
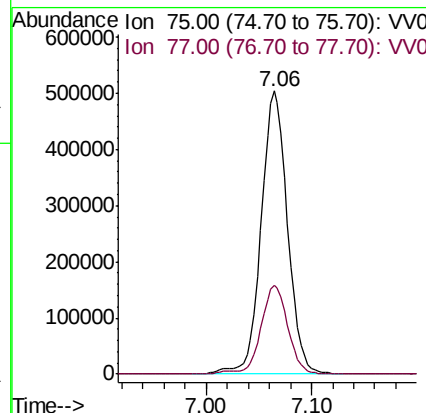
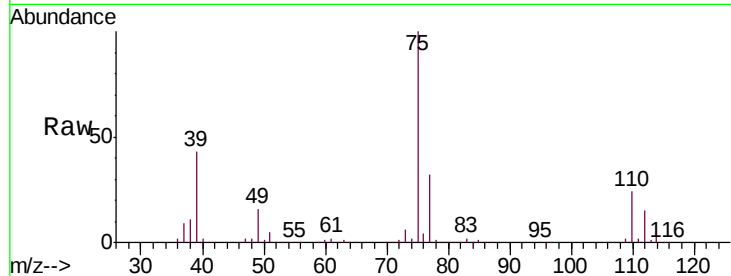


#42

cis-1,3-Dichloropropene
Concen: 104.325 ug/L
RT: 7.06 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VV014527.D
Acq: 06 Feb 2020 19:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

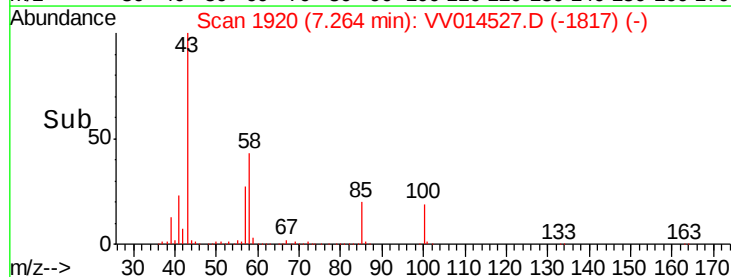
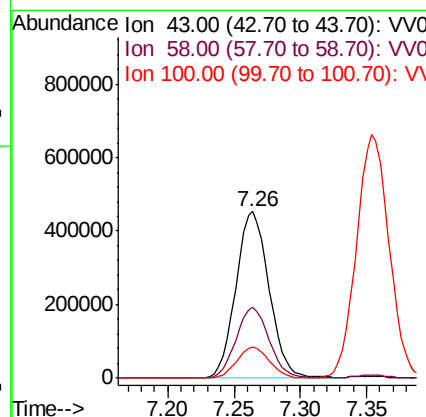
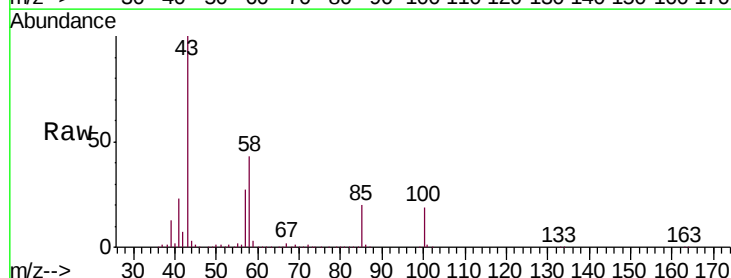
Tgt Ion: 75 Resp: 879757
Ion Ratio Lower Upper
75 100
77 31.5 22.3 41.3

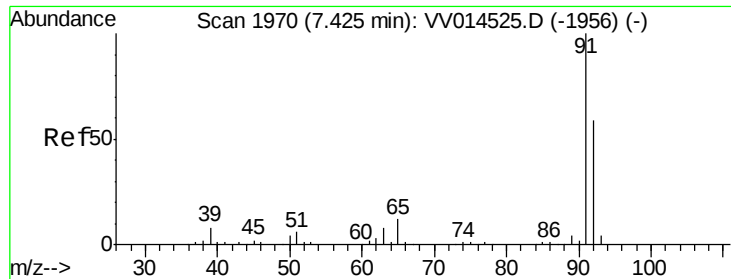


#43

4-Methyl-2-pentanone
Concen: 160.490 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VV014527.D
Acq: 06 Feb 2020 19:17

Tgt Ion: 43 Resp: 787960
Ion Ratio Lower Upper
43 100
58 42.3 33.1 49.7
100 18.1 14.0 21.0





#44

Toluene

Concen: 93.267 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

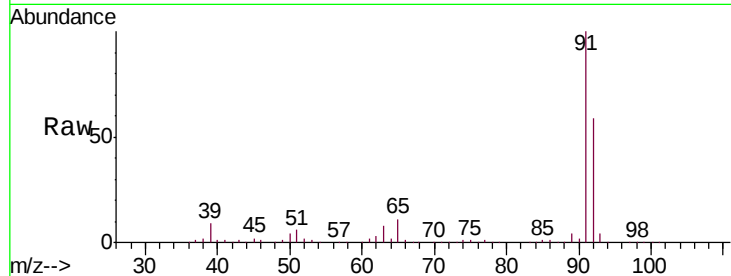
Instrument :
MSVOA_V
ClientSampled :
VSTD10065

Tgt Ion: 91 Resp: 2100285

Ion Ratio Lower Upper

91 100

92 59.3 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

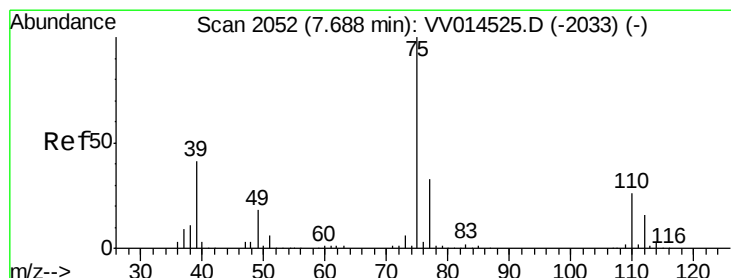
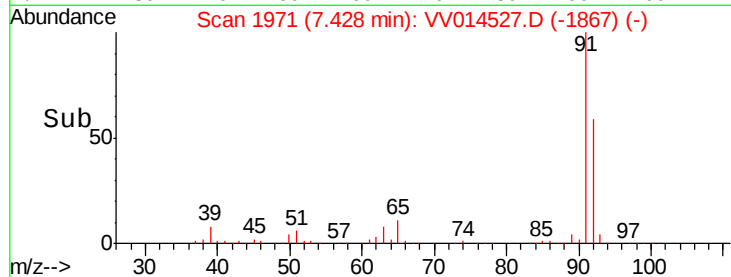
7.43

1000000

500000

0

Time--> 7.30 7.40 7.50



#45

trans-1,3-Dichloropropene

Concen: 102.379 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014527.D

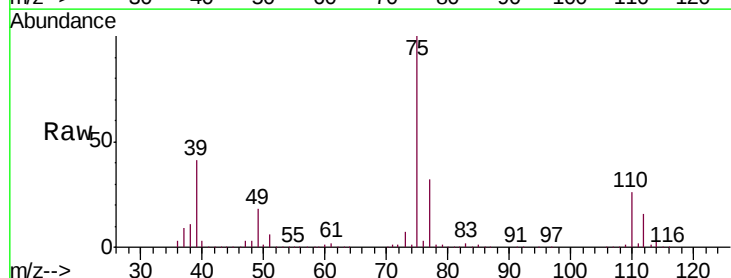
Acq: 06 Feb 2020 19:17

Tgt Ion: 75 Resp: 733993

Ion Ratio Lower Upper

75 100

77 31.9 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.69

500000

400000

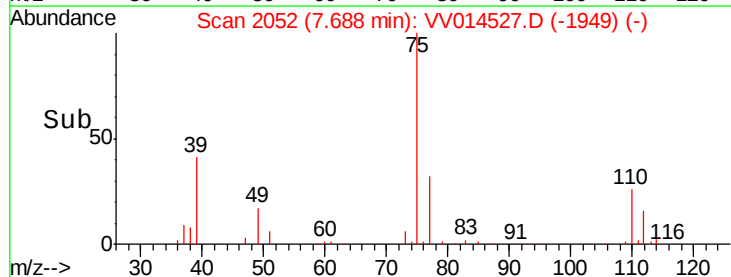
300000

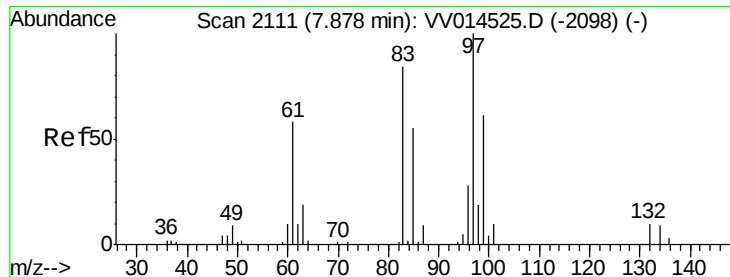
200000

100000

0

Time--> 7.60 7.70 7.80

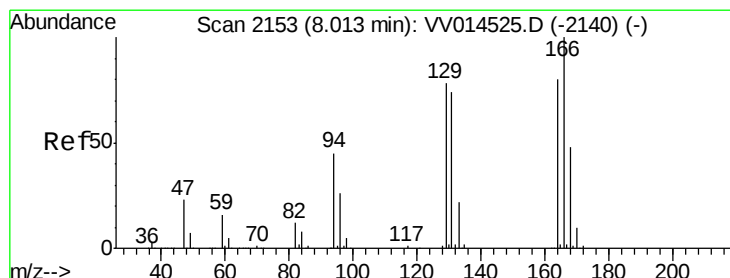
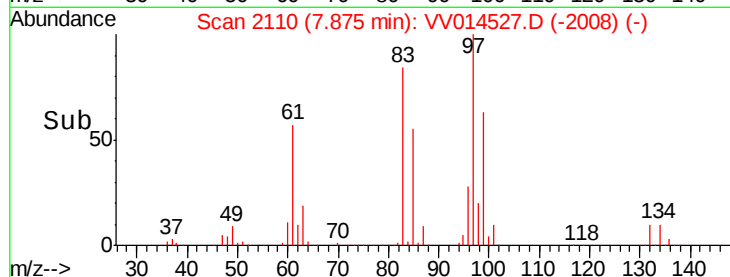
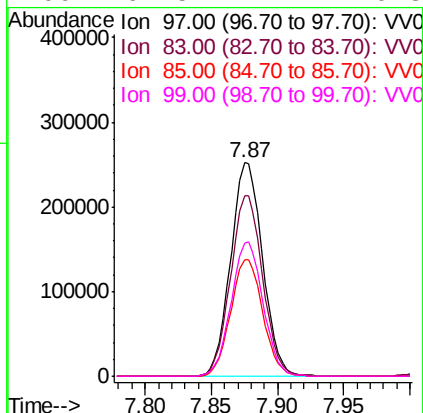
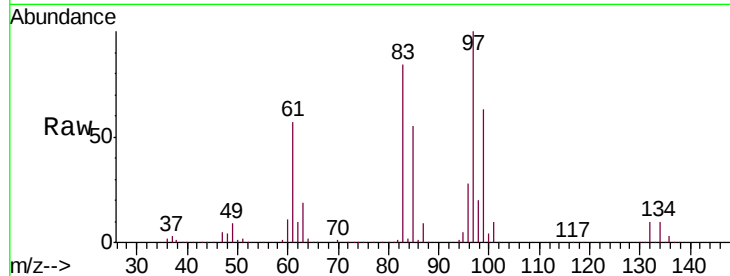




#46
 1,1,2-Trichloroethane
 Concen: 94.633 ug/L
 RT: 7.87 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VV014527.D
 Acq: 06 Feb 2020 19:17

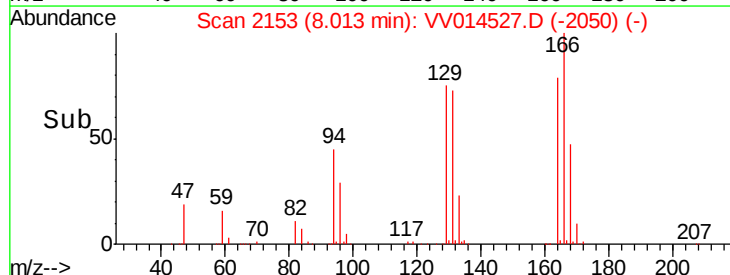
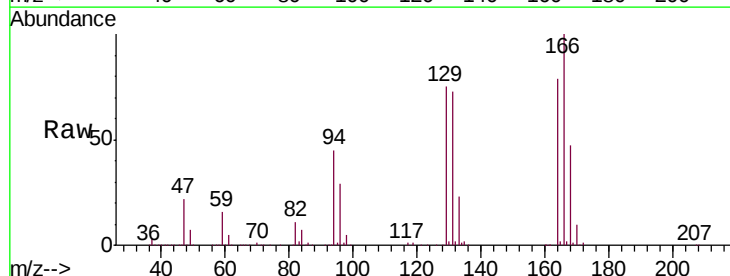
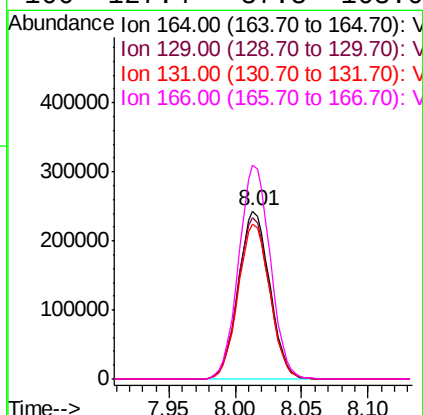
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

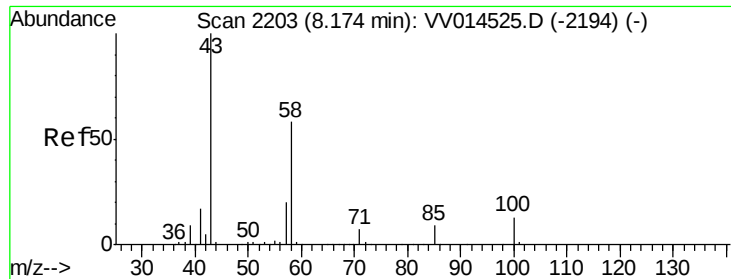
Tgt Ion: 97 Resp: 422171
 Ion Ratio Lower Upper
 97 100
 83 84.3 59.0 109.6
 85 54.5 38.6 71.8
 99 62.5 42.7 79.3



#47
 Tetrachloroethene
 Concen: 81.480 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014527.D
 Acq: 06 Feb 2020 19:17

Tgt Ion: 164 Resp: 399880
 Ion Ratio Lower Upper
 164 100
 129 96.2 68.7 127.7
 131 92.6 64.9 120.5
 166 127.4 87.8 163.0

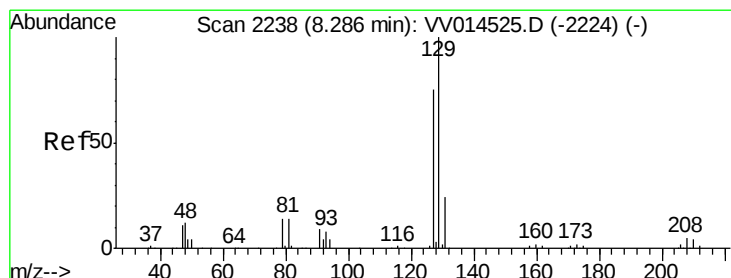
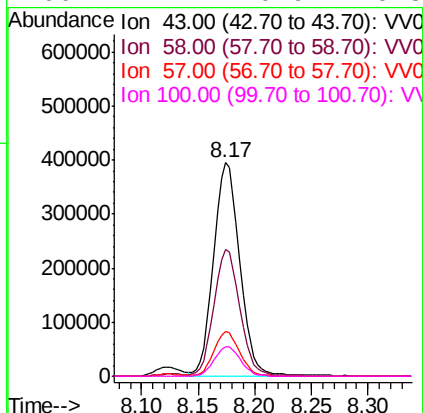
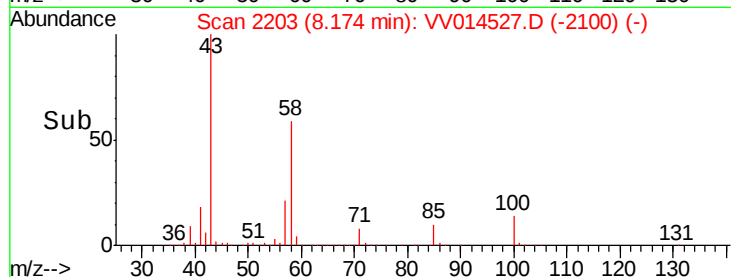
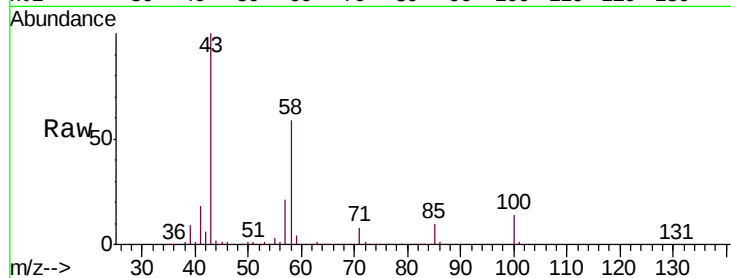




#49
2-Hexanone
Concen: 176.467 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VV014527.D
Acq: 06 Feb 2020 19:17

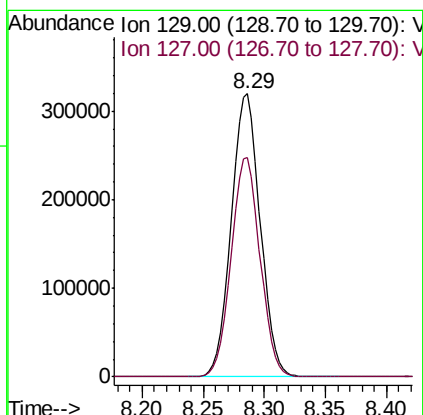
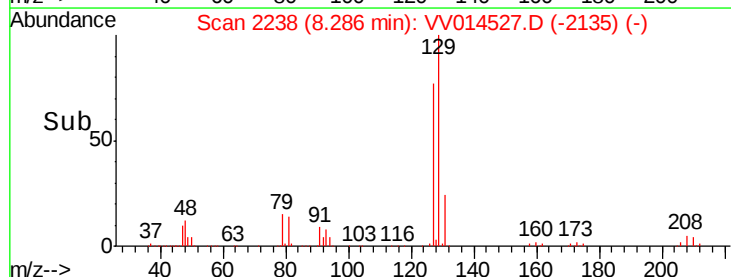
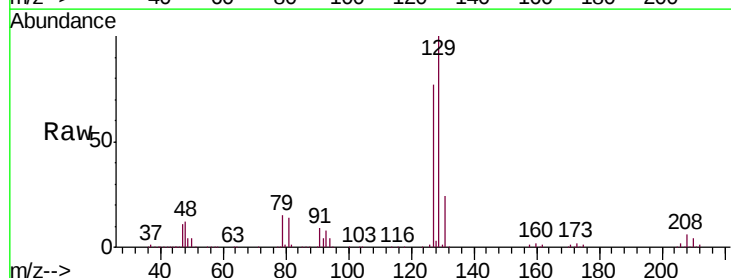
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

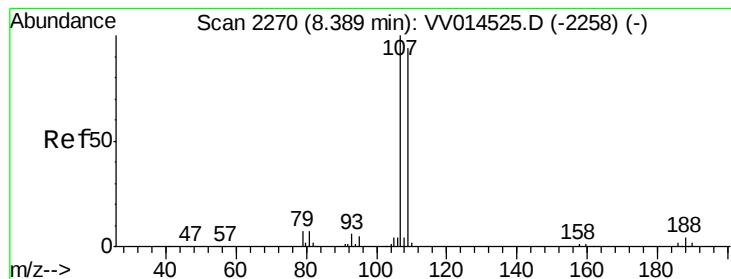
Tgt Ion: 43 Resp: 633196
Ion Ratio Lower Upper
43 100
58 59.1 46.9 70.3
57 20.7 15.6 23.4
100 14.1 10.9 16.3



#50
Dibromochloromethane
Concen: 99.050 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV014527.D
Acq: 06 Feb 2020 19:17

Tgt Ion: 129 Resp: 528076
Ion Ratio Lower Upper
129 100
127 77.4 52.5 97.5





#51

1,2-Dibromoethane

Concen: 96.743 ug/L

RT: 8.39 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

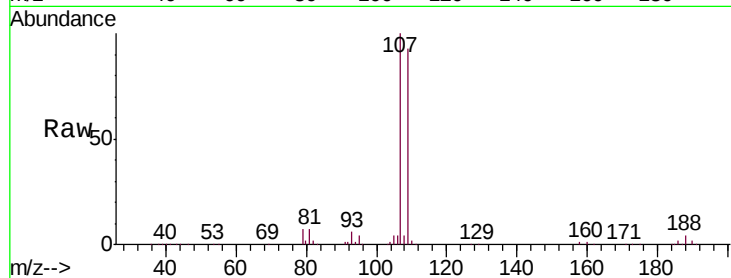
Tgt Ion:107 Resp: 445782

Ion Ratio Lower Upper

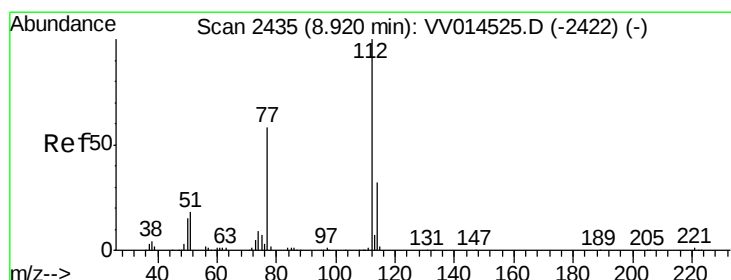
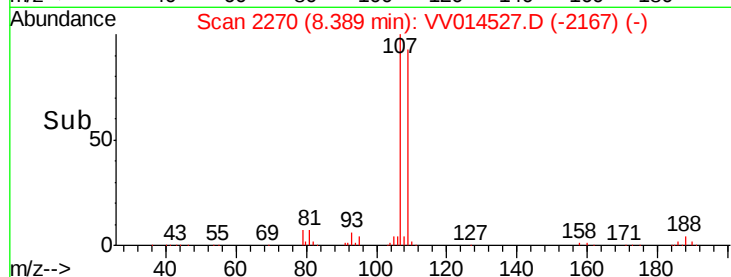
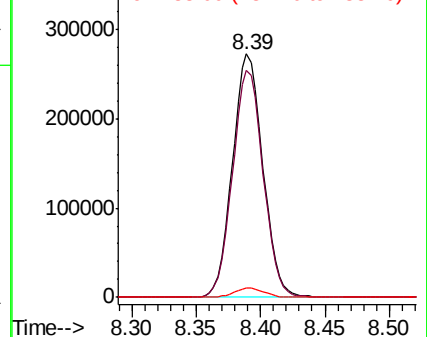
107 100

109 93.1 66.0 122.6

188 3.8 2.9 4.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 90.918 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

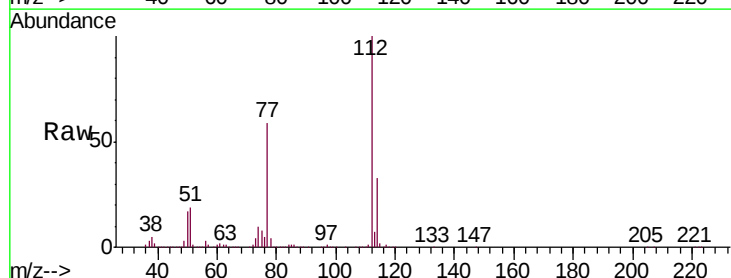
Tgt Ion:112 Resp: 1385865

Ion Ratio Lower Upper

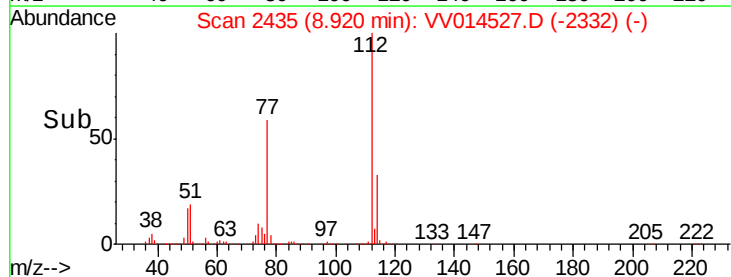
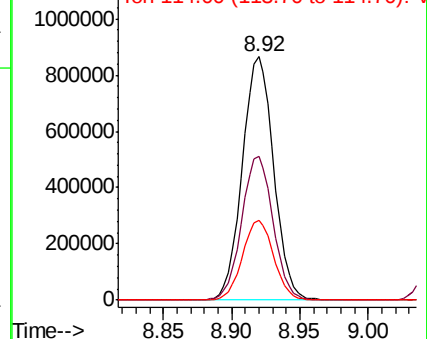
112 100

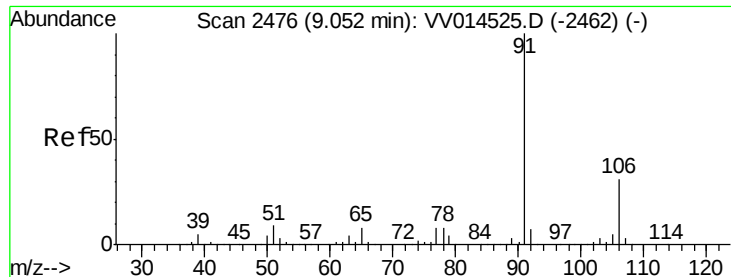
77 58.8 46.7 70.1

114 32.7 22.7 42.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

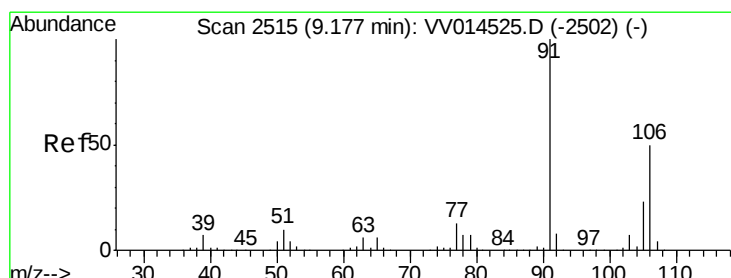
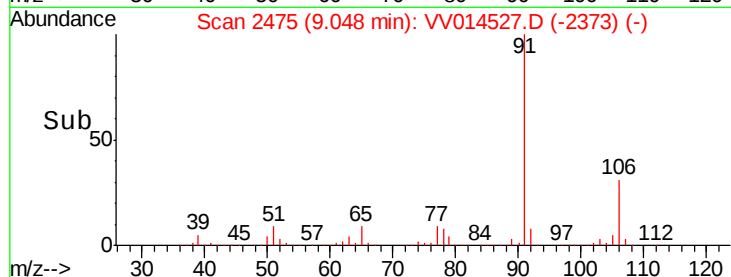
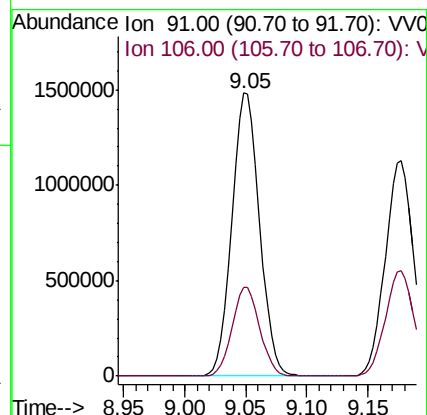
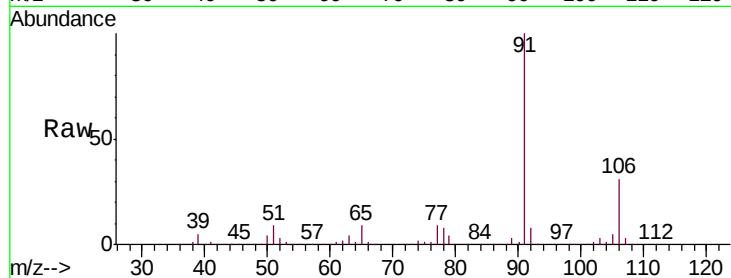




#53
Ethylbenzene
Concen: 94.667 ug/L
RT: 9.05 min Scan# 2475
Delta R.T. -0.00 min
Lab File: VV014527.D
Acq: 06 Feb 2020 19:17

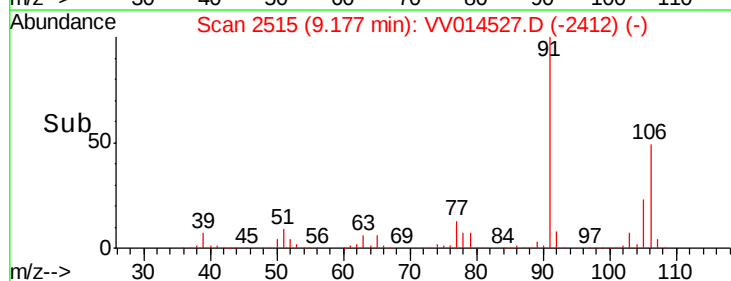
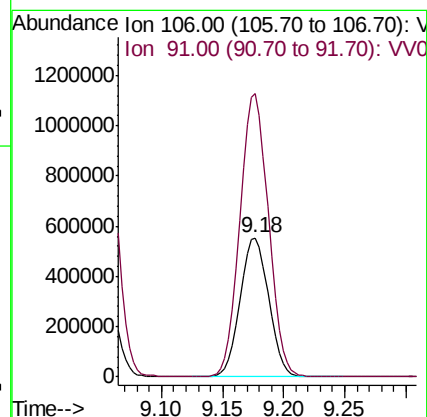
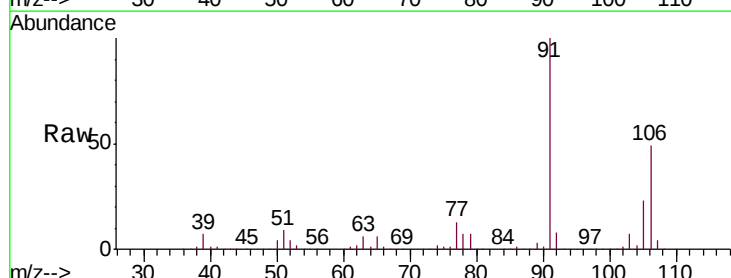
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

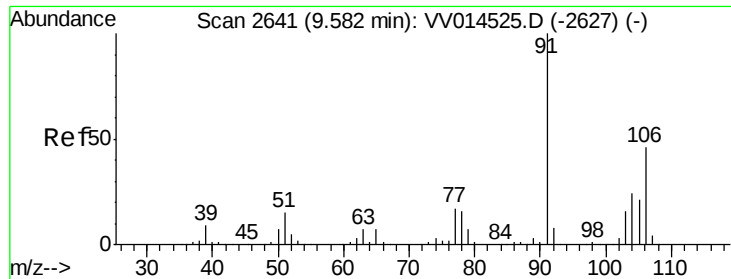
Tgt Ion: 91 Resp: 2349646
Ion Ratio Lower Upper
91 100
106 31.3 21.8 40.4



#54
m,p-Xylene
Concen: 96.354 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV014527.D
Acq: 06 Feb 2020 19:17

Tgt Ion: 106 Resp: 900887
Ion Ratio Lower Upper
106 100
91 203.1 141.1 262.0





#55

o-xylene

Concen: 96.554 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

Instrument :

MSVOA_V

ClientSampleId :

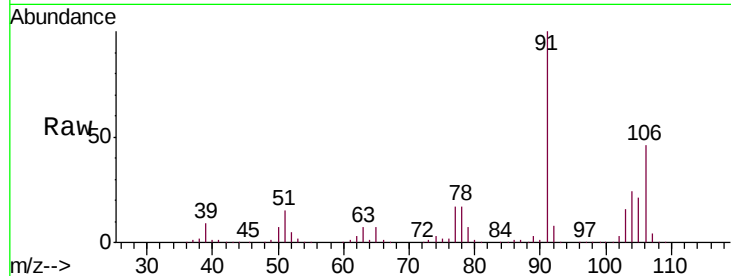
VSTD10065

Tgt Ion:106 Resp: 865733

Ion Ratio Lower Upper

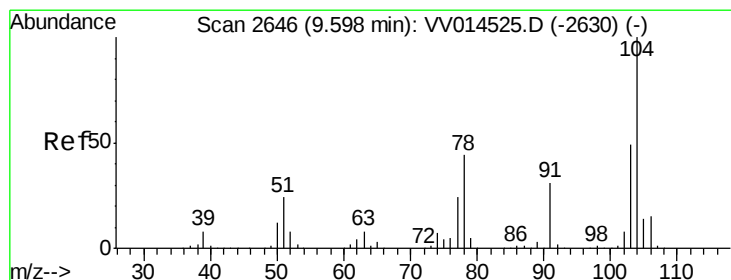
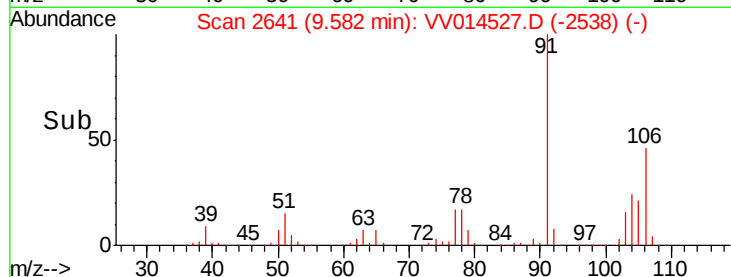
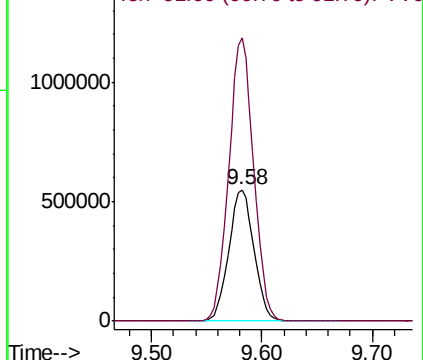
106 100

91 215.3 152.3 282.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 97.467 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014527.D

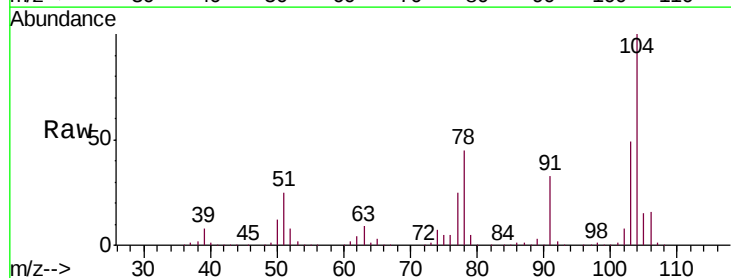
Acq: 06 Feb 2020 19:17

Tgt Ion:104 Resp: 1506193

Ion Ratio Lower Upper

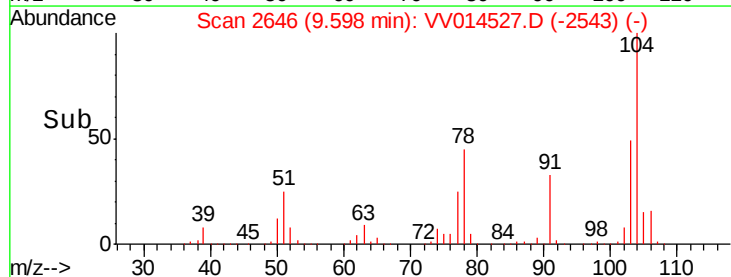
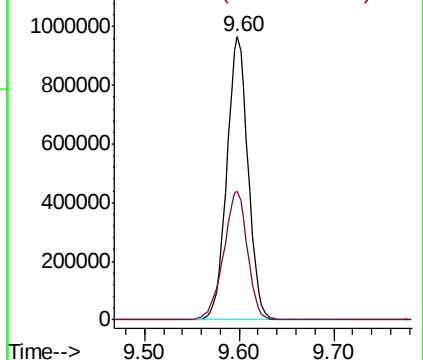
104 100

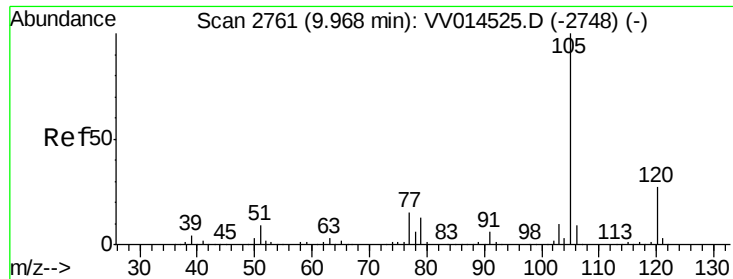
78 45.5 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 94.697 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

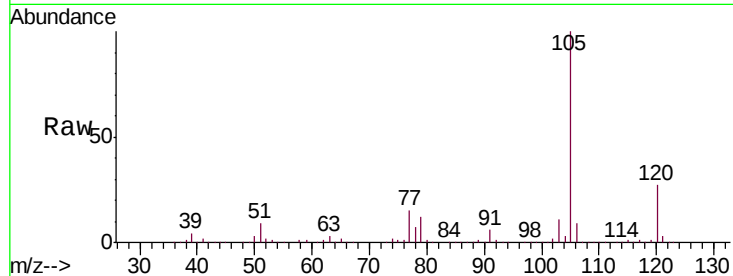
Tgt Ion:105 Resp: 2256327

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.0

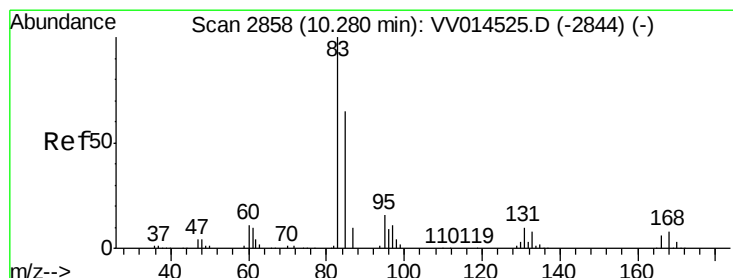
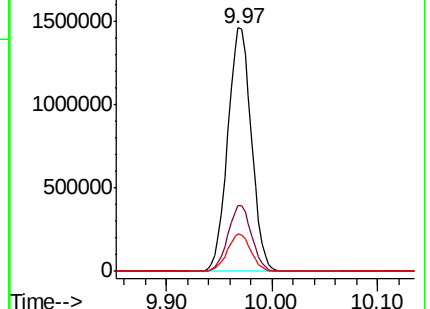
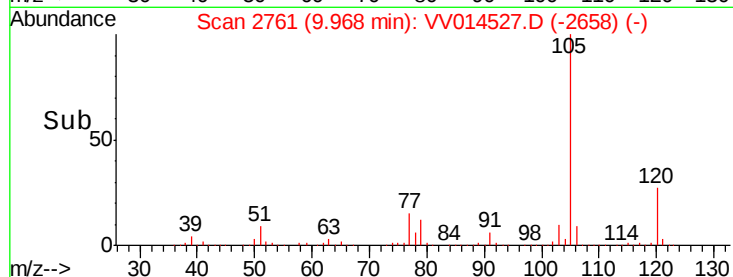
77 15.2 12.2 18.4



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: 94.671 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

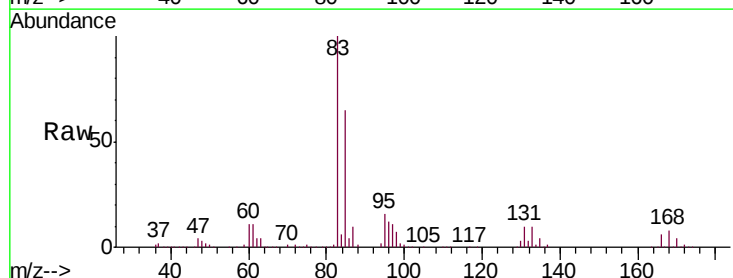
Tgt Ion: 83 Resp: 546123

Ion Ratio Lower Upper

83 100

85 64.9 45.8 85.0

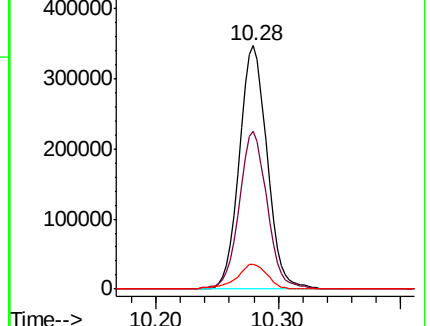
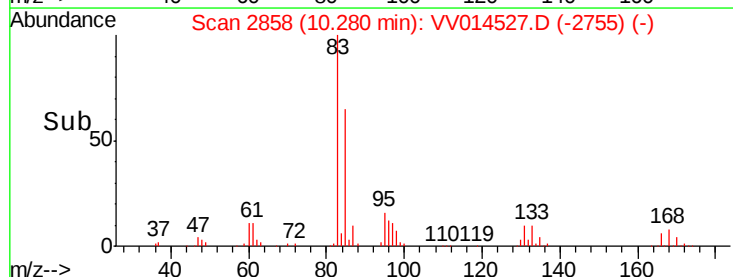
131 10.4 8.1 12.1

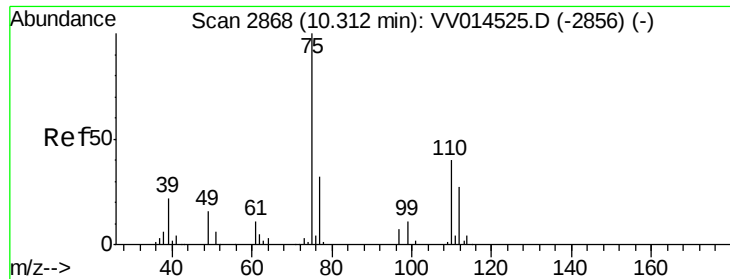


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 86.999 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

Instrument :

MSVOA_V

ClientSampleId :

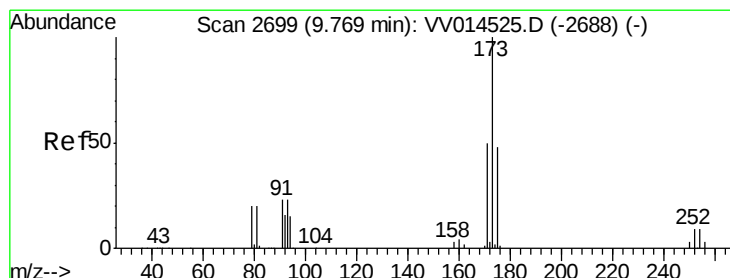
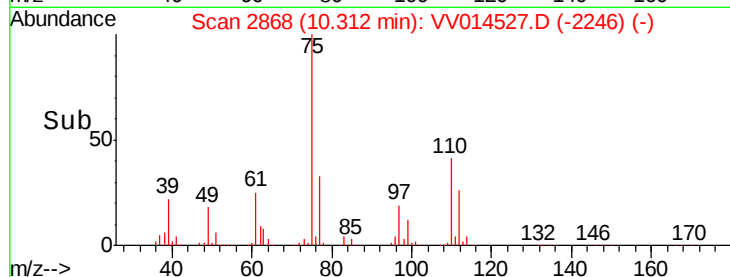
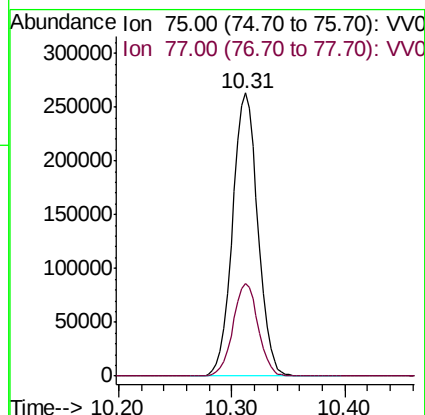
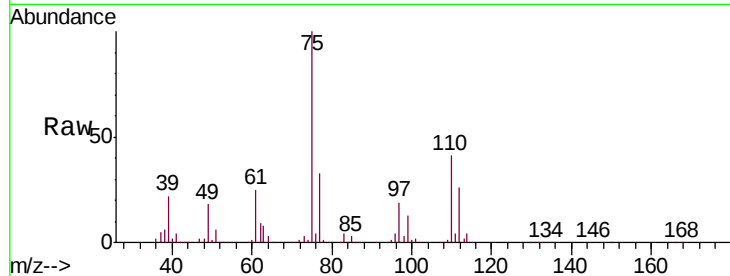
VSTD10065

Tgt Ion: 75 Resp: 408687

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



#62

Bromoform

Concen: 95.208 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

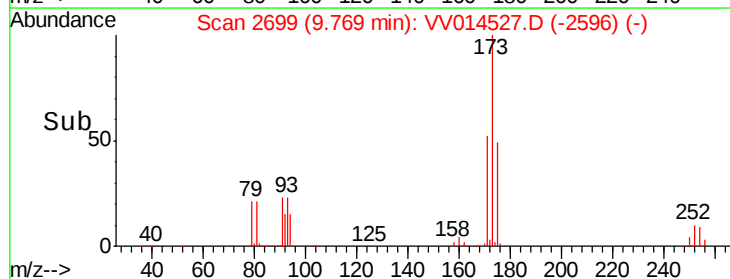
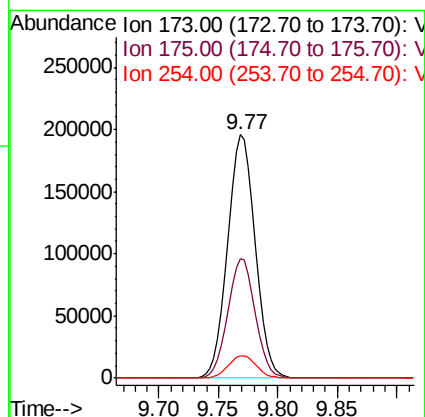
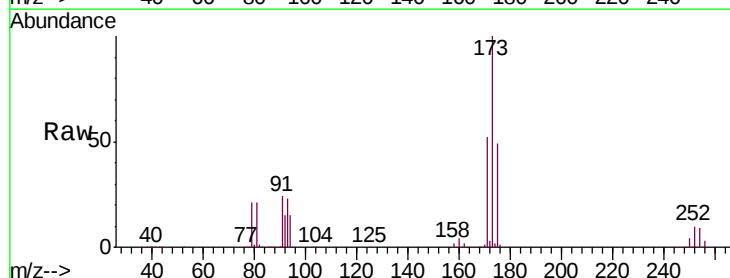
Tgt Ion: 173 Resp: 315229

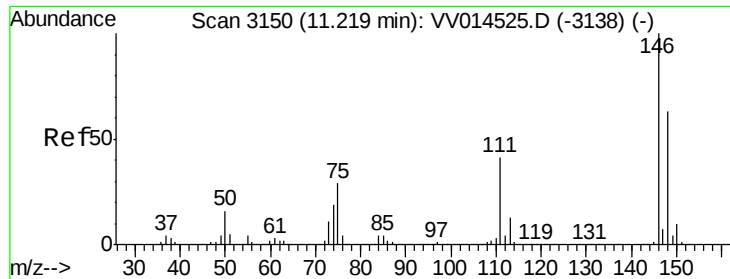
Ion Ratio Lower Upper

173 100

175 48.6 38.3 57.5

254 9.3 7.0 10.4

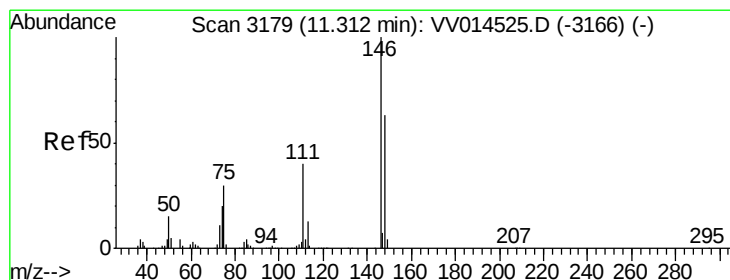
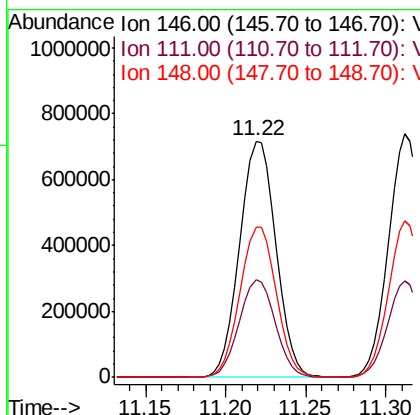
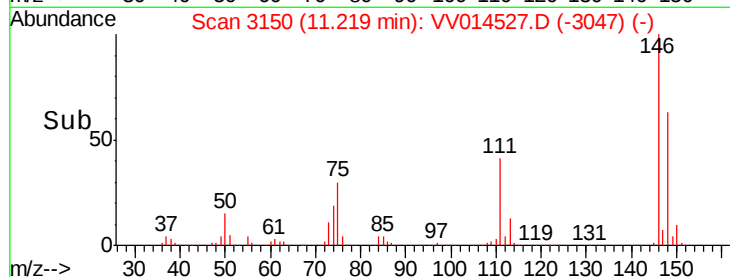
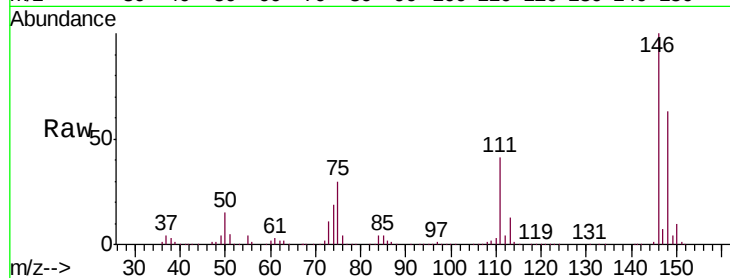




#63
 1,3-Dichlorobenzene
 Concen: 94.284 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: VV014527.D
 Acq: 06 Feb 2020 19:17

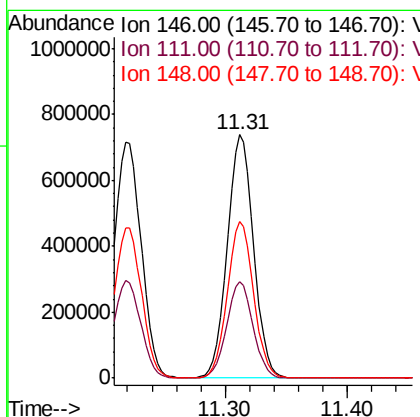
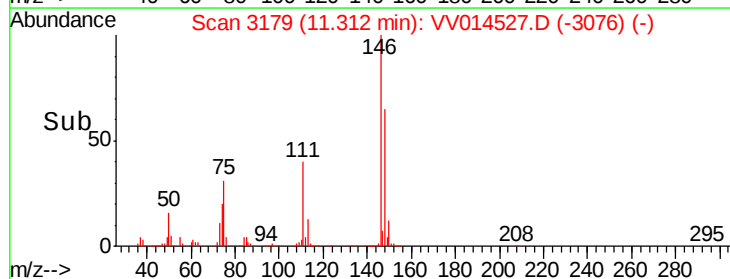
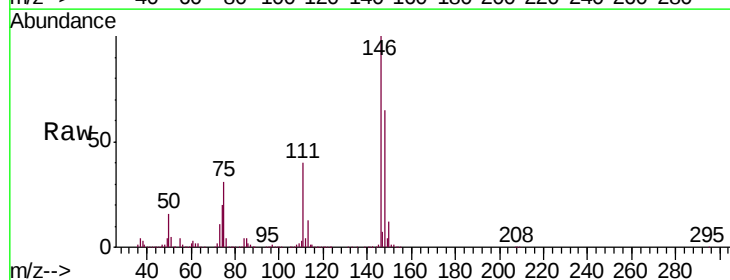
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

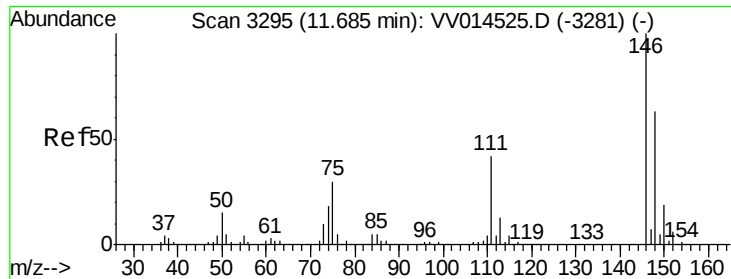
Tgt Ion:146 Resp: 1110079
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.6 53.2
 148 63.4 43.8 81.4



#64
 1,4-Dichlorobenzene
 Concen: 92.329 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014527.D
 Acq: 06 Feb 2020 19:17

Tgt Ion:146 Resp: 1113656
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.2 52.4
 148 64.5 44.4 82.4

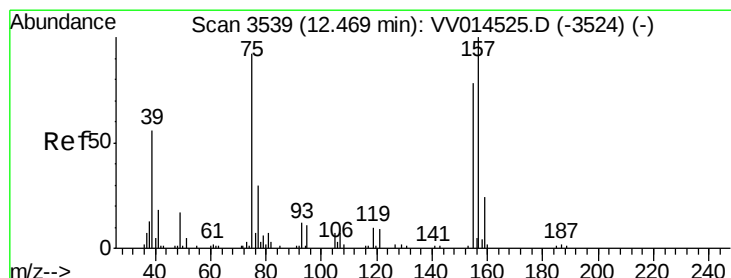
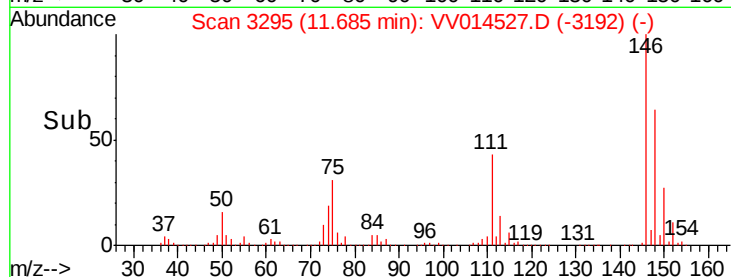
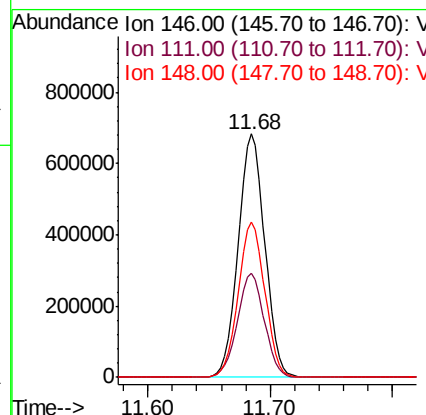
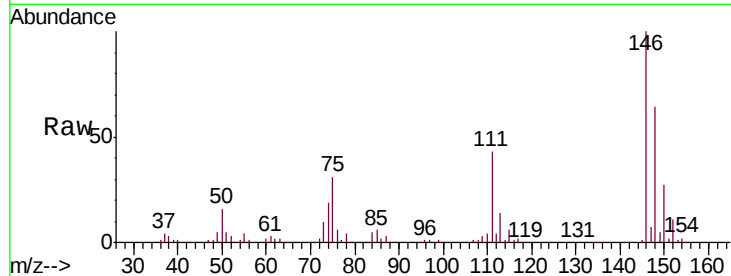




#65
 1,2-Dichlorobenzene
 Concen: 94.378 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014527.D
 Acq: 06 Feb 2020 19:17

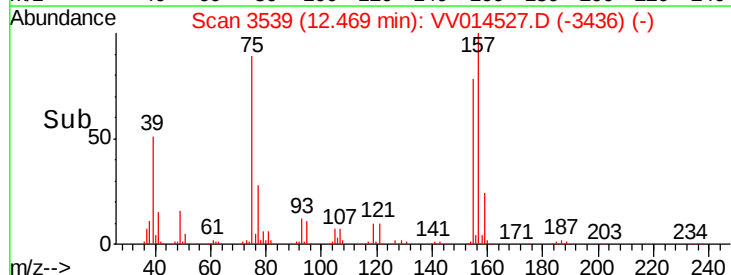
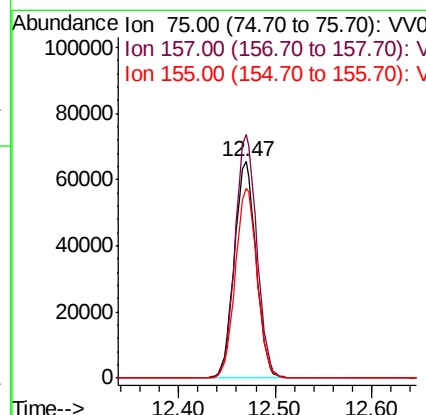
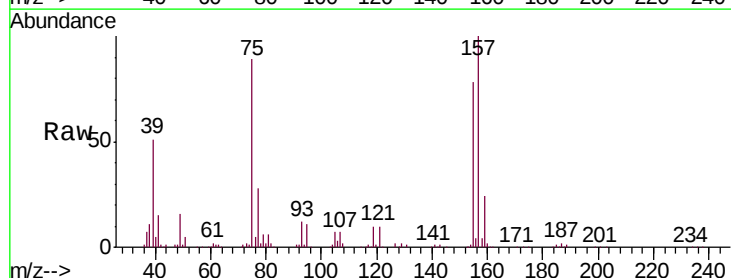
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

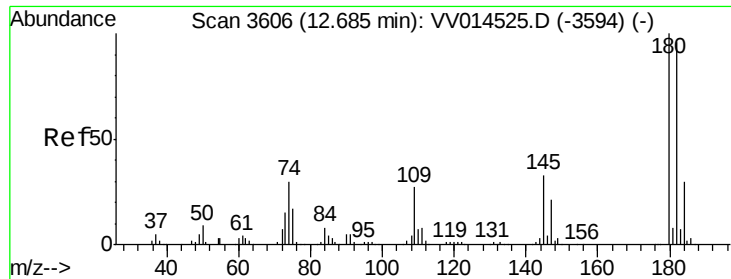
Tgt Ion: 146 Resp: 1031985
 Ion Ratio Lower Upper
 146 100
 111 42.9 33.9 50.9
 148 63.9 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 102.084 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014527.D
 Acq: 06 Feb 2020 19:17

Tgt Ion: 75 Resp: 102713
 Ion Ratio Lower Upper
 75 100
 157 112.4 86.6 129.8
 155 87.5 67.4 101.0

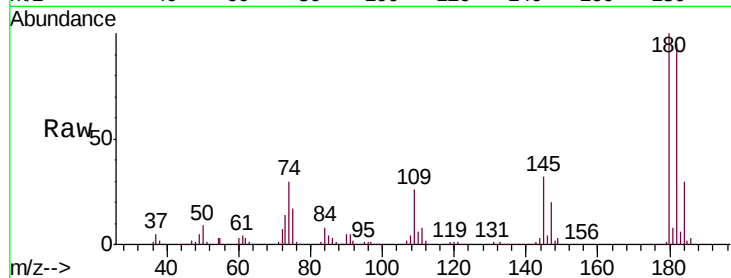




#67
 1,3,5-Trichlorobenzene
 Concen: 90.110 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014527.D
 Acq: 06 Feb 2020 19:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.4	113.0
184	30.0	24.0	36.0
145	31.8	25.3	37.9



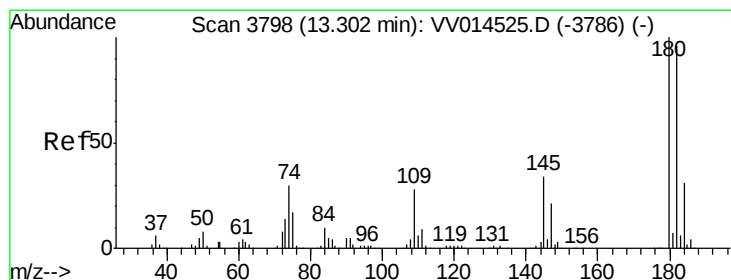
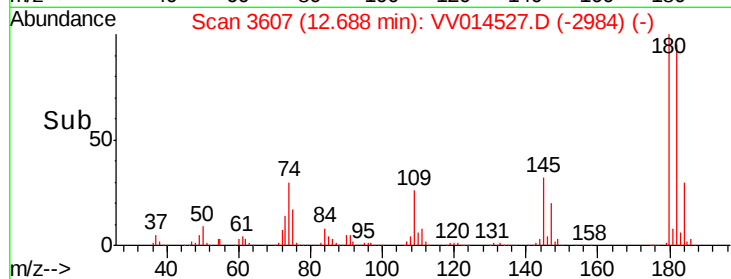
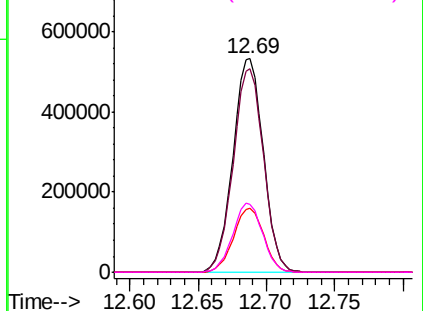
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

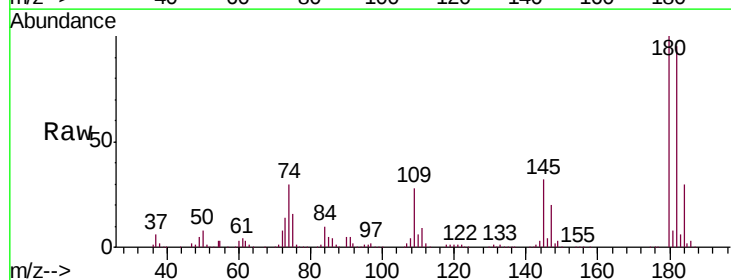
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 93.328 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014527.D
 Acq: 06 Feb 2020 19:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.7	115.1
145	32.0	26.8	40.2

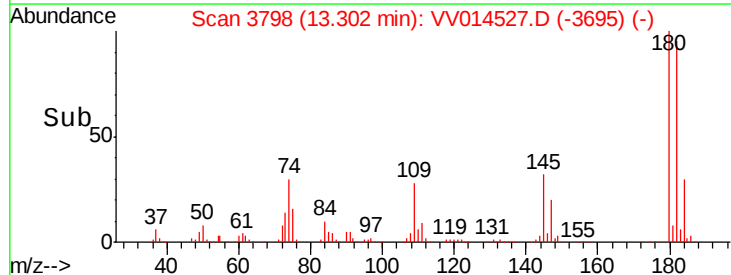
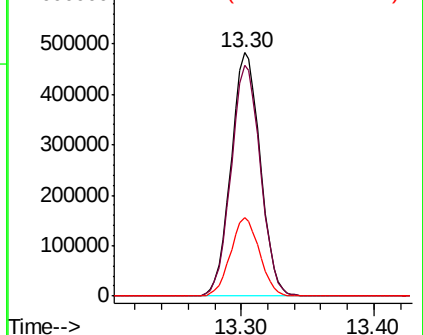


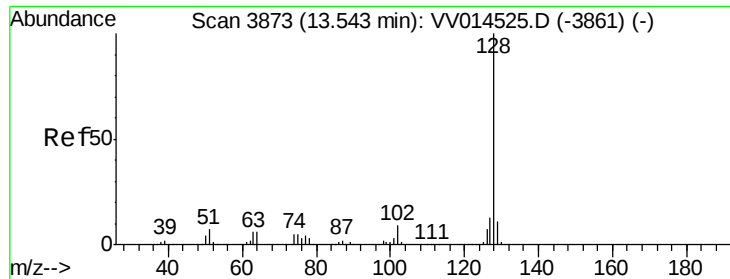
Abundance

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: 108.874 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

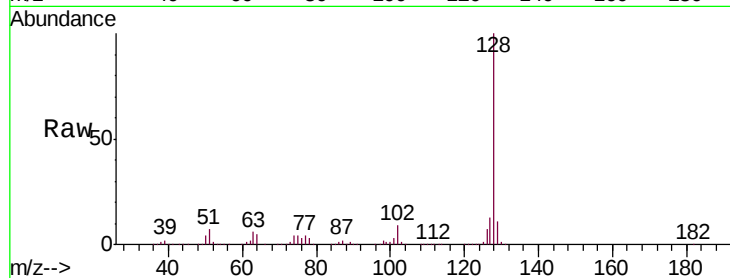
Tgt Ion:128 Resp: 1703763

Ion Ratio Lower Upper

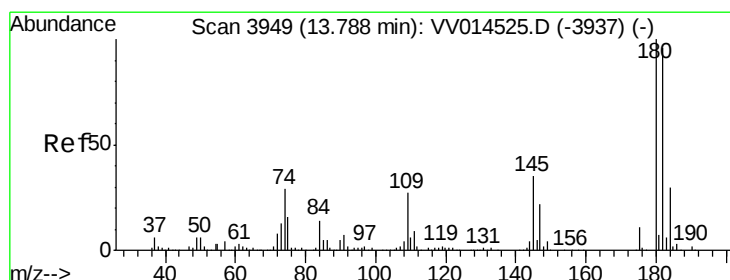
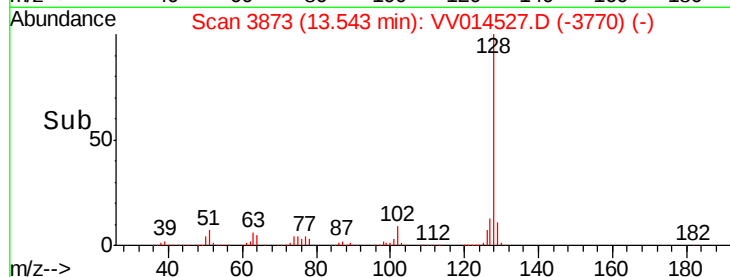
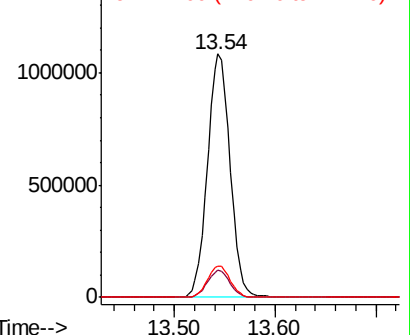
128 100

129 11.0 8.8 13.2

127 12.9 10.2 15.2



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: 91.507 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014527.D

Acq: 06 Feb 2020 19:17

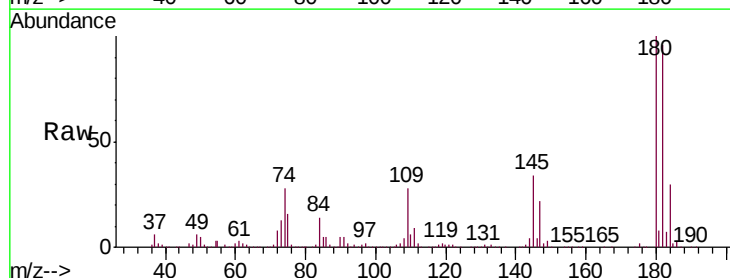
Tgt Ion:180 Resp: 666480

Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.4

145 34.1 27.8 41.6



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

