

Data File : VV013930.D
Acq On : 05 Dec 2019 21:17
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Quant Time: Dec 06 04:12:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 06 04:06:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	628395	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	566072	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	288772	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	201007	55.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.62%
7) Chloroethane-d5	1.56	69	195714	51.59	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.18%
11) 1,1-Dichloroethene-d2	2.12	63	408551	50.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.68%
21) 2-Butanone-d5	3.92	46	252240	98.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.61%
24) Chloroform-d	4.39	84	370692	48.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.14%
26) 1,2-Dichloroethane-d4	5.07	65	230552	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
32) Benzene-d6	5.09	84	755690	51.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.04%
36) 1,2-Dichloropropane-d6	6.11	67	223481	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.52%
41) Toluene-d8	7.35	98	706461	52.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.66%
43) trans-1,3-Dichloropropene-	7.66	79	101028	47.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.30%
47) 2-Hexanone-d5	8.13	63	161269	98.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.09%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	293735	46.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.14%
64) 1,2-Dichlorobenzene-d4	11.67	152	278460	49.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	257853	46.084 ug/L	99
3) Chloromethane	1.25	50	257509	50.340 ug/L	100
5) Vinyl chloride	1.32	62	250049	46.869 ug/L	99
6) Bromomethane	1.51	94	140143	43.447 ug/L	98
8) Chloroethane	1.58	64	169062	47.625 ug/L	99
9) Trichlorofluoromethane	1.76	101	387404	46.687 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	218194	46.168 ug/L	98
12) 1,1-Dichloroethene	2.13	96	210743	46.164 ug/L	99
13) Acetone	2.18	43	214556	57.235 ug/L	97
14) Carbon disulfide	2.31	76	522319	43.386 ug/L	99
15) Methyl Acetate	2.45	43	218497	47.294 ug/L	98
16) Methylene chloride	2.53	84	220016	46.281 ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	202362	45.319 ug/L	99
18) Methyl tert-butyl Ether	2.80	73	625347	48.258 ug/L	100
19) 1,1-Dichloroethane	3.22	63	375680	46.698 ug/L	98
20) cis-1,2-Dichloroethene	3.95	96	224714	46.471 ug/L	98
22) 2-Butanone	4.01	43	297250	82.612 ug/L	96

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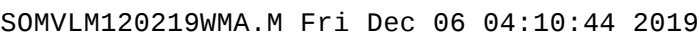
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

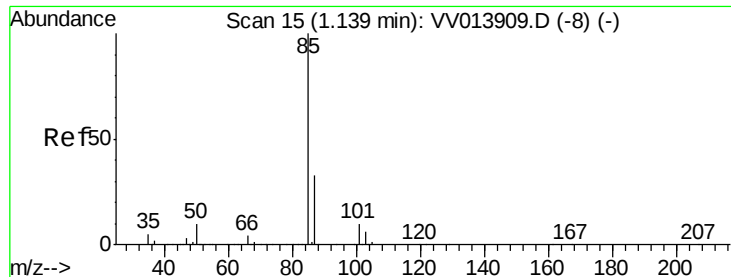
Quant Time: Dec 06 04:12:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 06 04:06:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	124177	46.480	ug/L	97
25) Chloroform	4.42	83	393740	45.781	ug/L	99
27) 1,2-Dichloroethane	5.17	62	298649	48.191	ug/L	99
29) Cyclohexane	4.72	56	320896	48.521	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	333484	48.800	ug/L	99
31) Carbon tetrachloride	4.87	117	298410	48.884	ug/L	99
33) Benzene	5.14	78	867862	51.482	ug/L	100
34) Trichloroethene	5.96	95	236712	52.354	ug/L	98
35) Methylcyclohexane	6.17	83	335737	49.490	ug/L	100
37) 1,2-Dichloropropane	6.21	63	225268	55.212	ug/L	100
38) Bromodichloromethane	6.55	83	287820	49.743	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	315160	49.067	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	565189	106.530	ug/L	100
42) Toluene	7.42	91	908640	52.241	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	288729	49.641	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	212466	52.463	ug/L	98
46) Tetrachloroethene	8.01	164	197937	48.515	ug/L	97
48) 2-Hexanone	8.18	43	445273	104.916	ug/L	95
49) Dibromochloromethane	8.28	129	250318	50.564	ug/L	99
50) 1,2-Dibromoethane	8.39	107	227272	50.943	ug/L	98
51) Chlorobenzene	8.92	112	593508	49.460	ug/L	98
52) Ethylbenzene	9.05	91	955960	49.856	ug/L	98
53) m,p-Xylene	9.18	106	374473	50.503	ug/L	94
54) o-xylene	9.58	106	365510	50.416	ug/L	98
55) Styrene	9.60	104	626163	50.060	ug/L	99
56) Isopropylbenzene	9.97	105	944480	48.467	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	315017	47.780	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	278237	50.394	ug/L	100
61) Bromoform	9.77	173	195484	55.339	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	459500	48.495	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	457908	46.746	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	459712	48.503	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	62864	47.725	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	336924	43.787	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	258459	37.226	ug/L	100
69) Naphthalene	13.55	128	457565	25.100	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	281627	38.787	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 46.084 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

Instrument :

MSVOA_V

ClientSampleId :

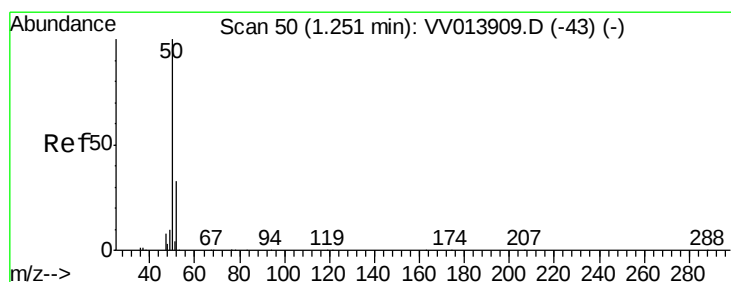
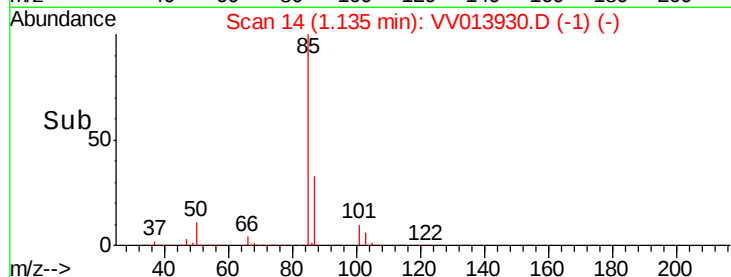
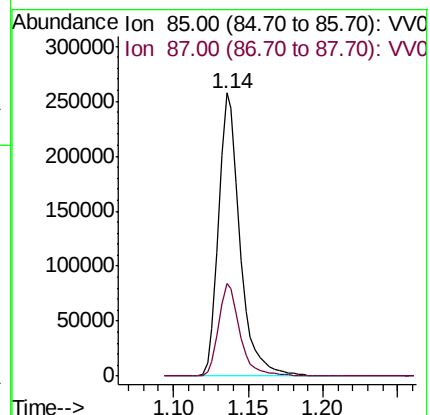
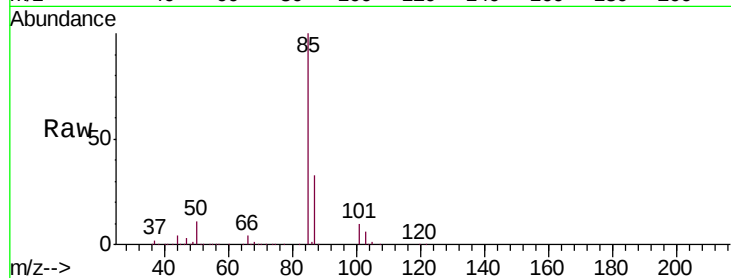
VSTD05070

Tgt Ion: 85 Resp: 257853

Ion Ratio Lower Upper

85 100

87 32.7 26.5 39.7



#3

Chloromethane

Concen: 50.340 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013930.D

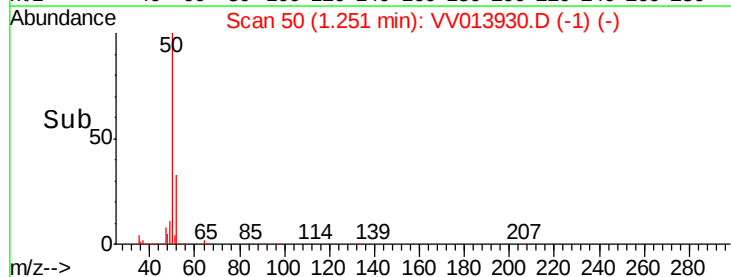
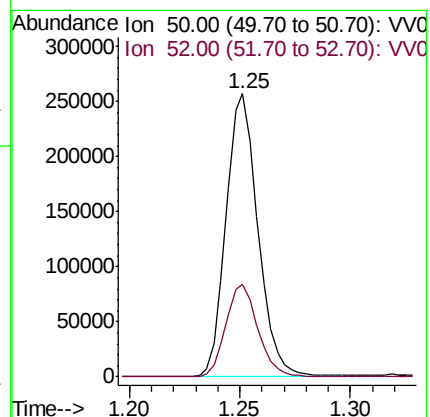
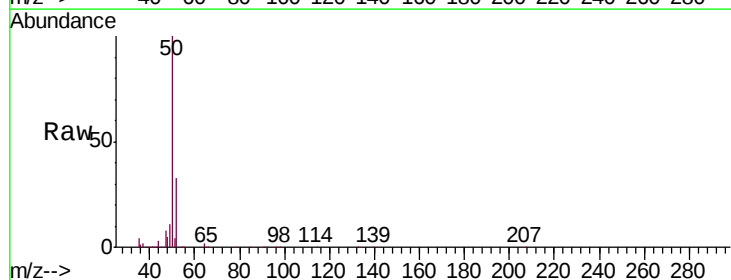
Acq: 05 Dec 2019 21:17

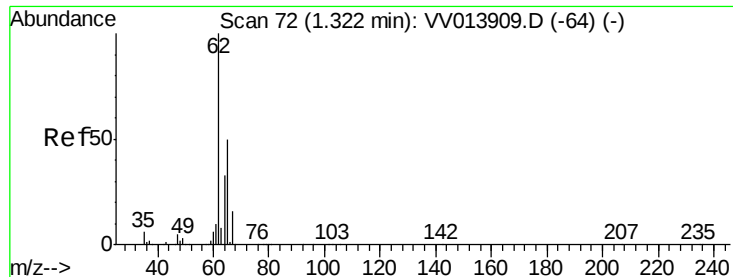
Tgt Ion: 50 Resp: 257509

Ion Ratio Lower Upper

50 100

52 32.7 23.0 42.6





#5

Vinyl chloride

Concen: 46.869 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

Instrument :

MSVOA_V

ClientSampled :

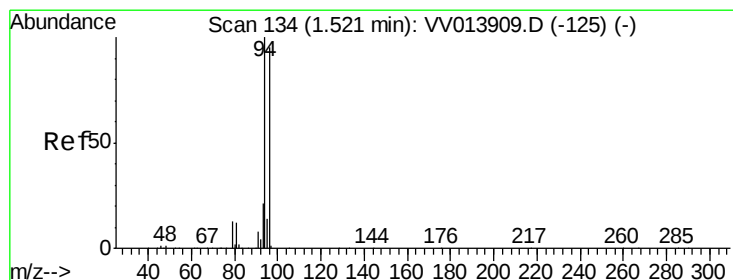
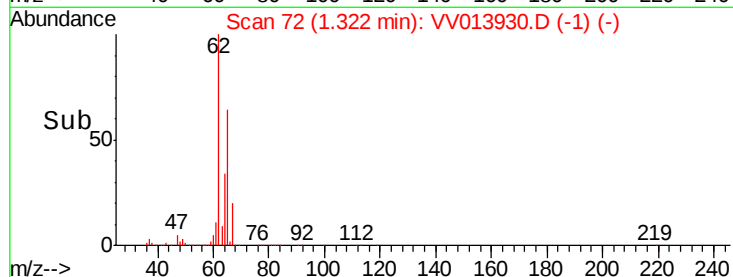
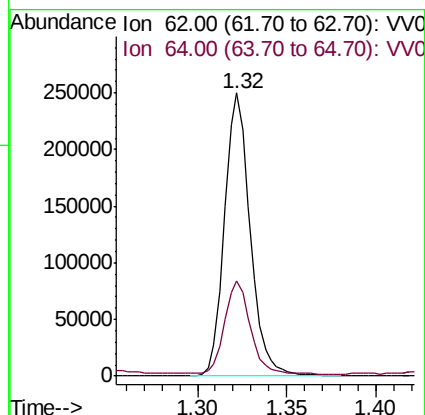
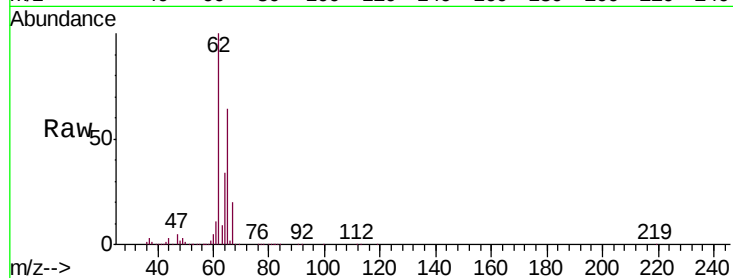
VSTD05070

Tgt Ion: 62 Resp: 250049

Ion Ratio Lower Upper

62 100

64 33.8 24.1 44.8



#6

Bromomethane

Concen: 43.447 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.01 min

Lab File: VV013930.D

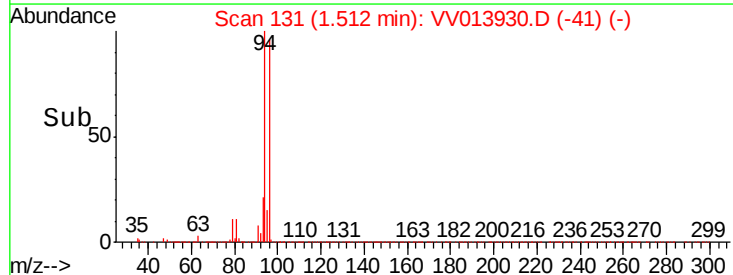
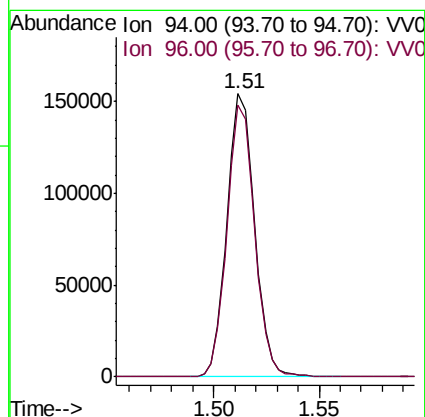
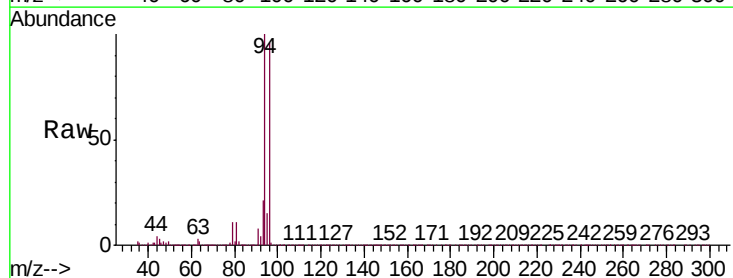
Acq: 05 Dec 2019 21:17

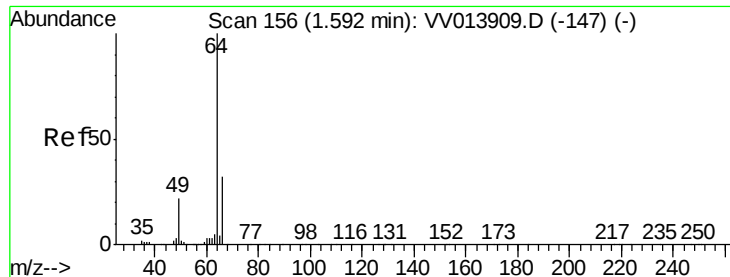
Tgt Ion: 94 Resp: 140143

Ion Ratio Lower Upper

94 100

96 96.3 66.2 123.0





#8

Chloroethane

Concen: 47.625 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.02 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

Instrument :

MSVOA_V

ClientSampleId :

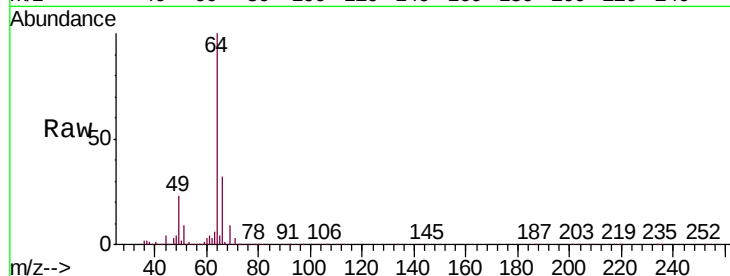
VSTD05070

Tgt Ion: 64 Resp: 169062

Ion Ratio Lower Upper

64 100

66 31.7 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VV013909.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV013909.D (-147) (-)

1.58

150000

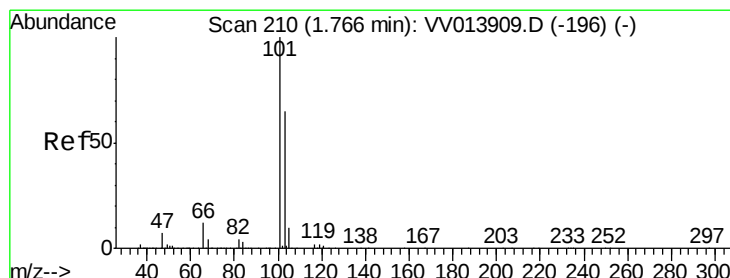
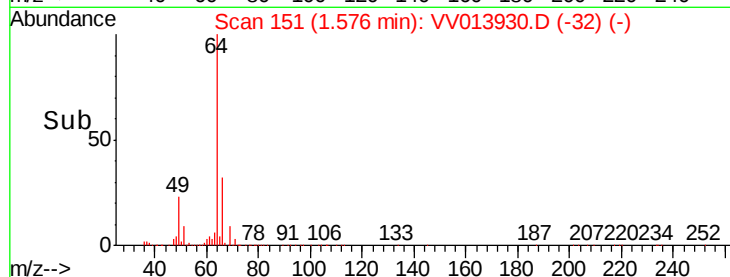
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50000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 46.687 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.01 min

Lab File: VV013930.D

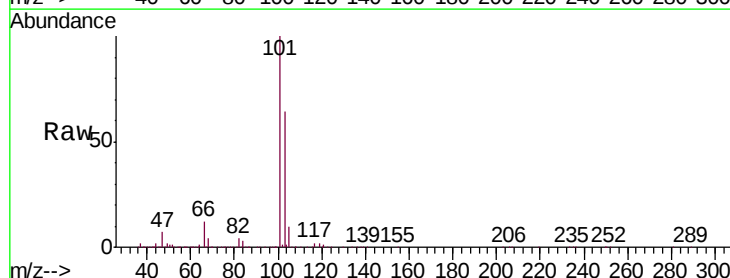
Acq: 05 Dec 2019 21:17

Tgt Ion: 101 Resp: 387404

Ion Ratio Lower Upper

101 100

103 64.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV013909.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV013909.D (-196) (-)

1.76

300000

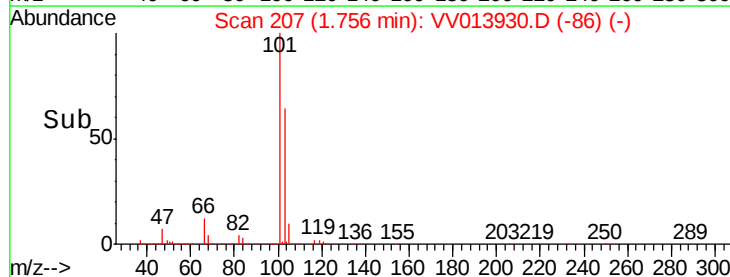
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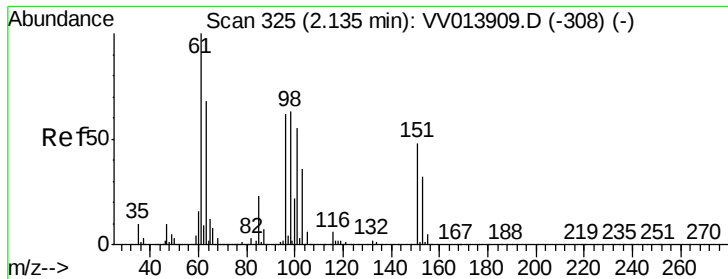
100000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 46.168 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

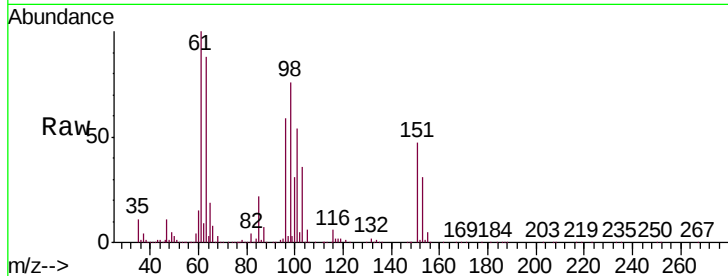
Tgt Ion: 101 Resp: 218194

Ion Ratio Lower Upper

101 100

85 39.9 32.5 48.7

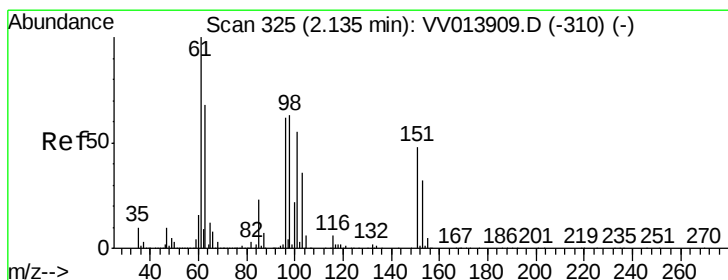
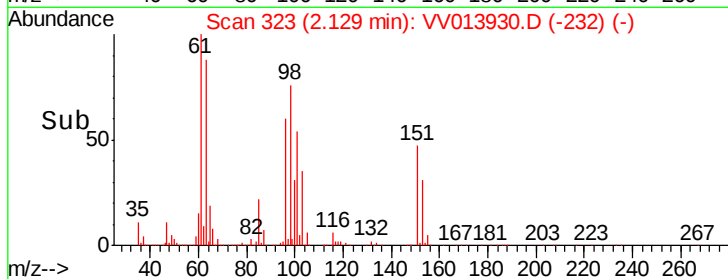
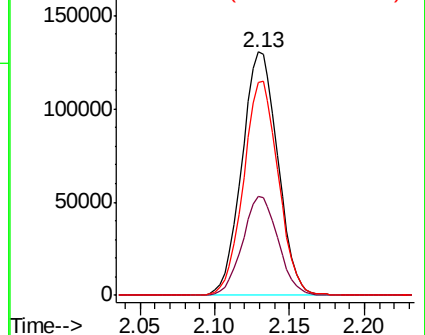
151 85.6 69.8 104.6



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: 46.164 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

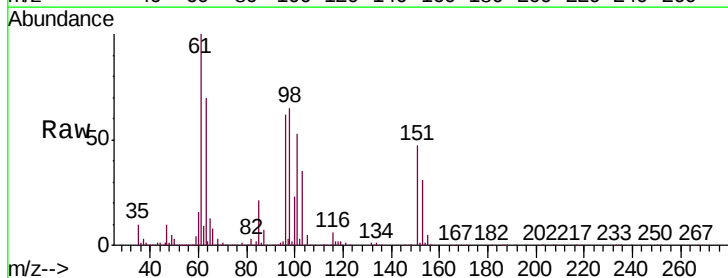
Tgt Ion: 96 Resp: 210743

Ion Ratio Lower Upper

96 100

61 162.4 114.0 211.8

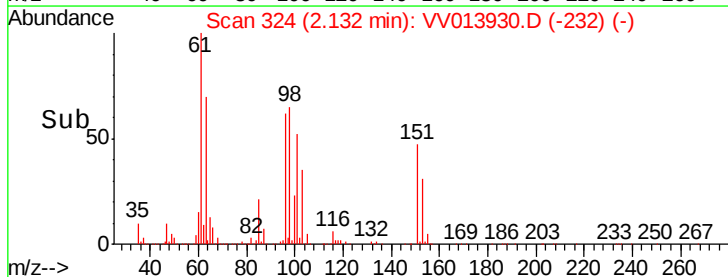
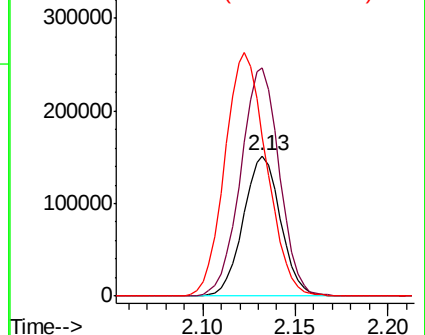
63 113.8 80.3 149.1

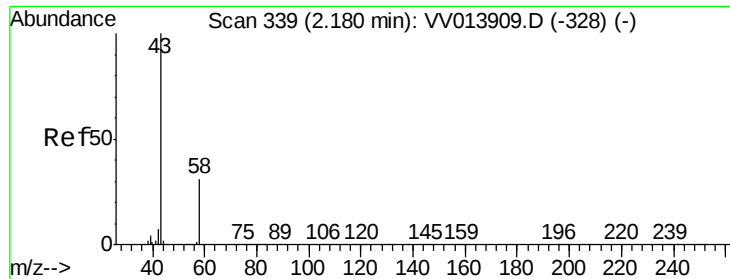


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 57.235 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

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Acq: 05 Dec 2019 21:17

Instrument :

MSVOA_V

ClientSampleId :

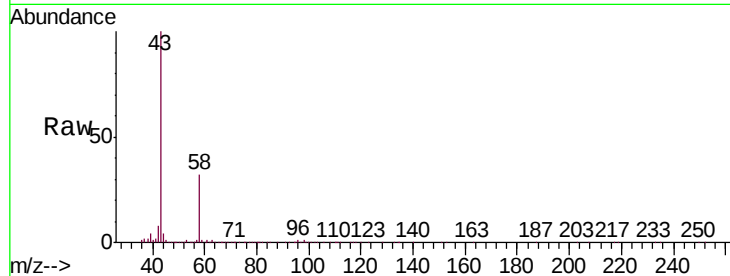
VSTD05070

Tgt Ion: 43 Resp: 214556

Ion Ratio Lower Upper

43 100

58 31.9 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV013930.D (-246) (-)

Ion 58.00 (57.70 to 58.70): VV013930.D (-246) (-)

2.18

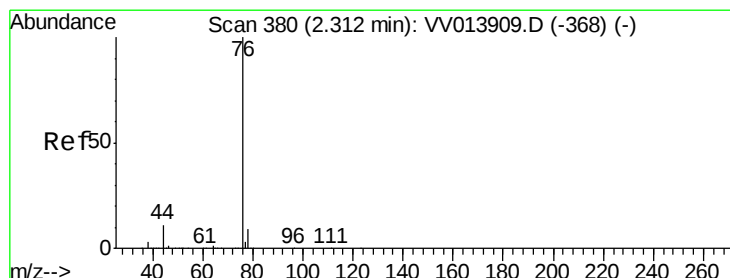
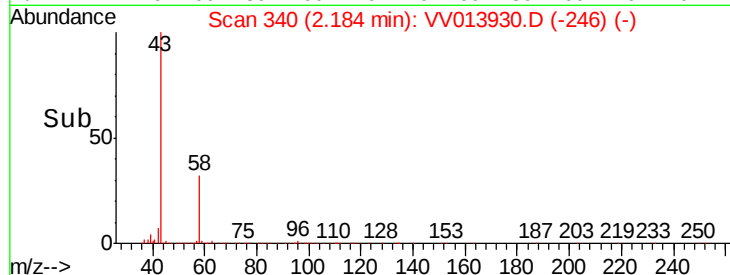
150000

100000

50000

0

Time--> 2.10 2.15 2.20 2.25



#14

Carbon disulfide

Concen: 43.386 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV013930.D

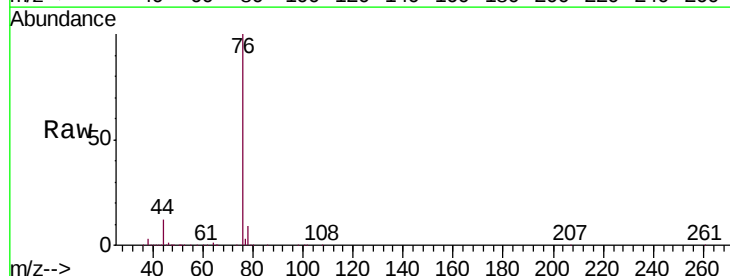
Acq: 05 Dec 2019 21:17

Tgt Ion: 76 Resp: 522319

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV013930.D (-287) (-)

Ion 78.00 (77.70 to 78.70): VV013930.D (-287) (-)

2.31

400000

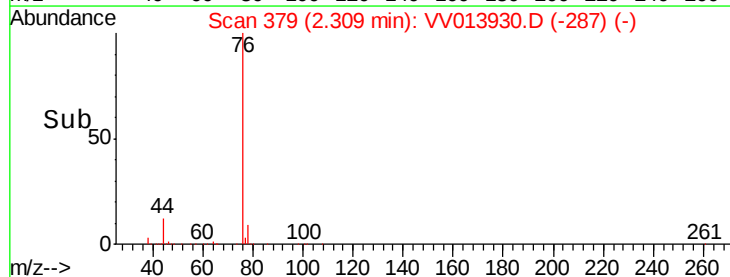
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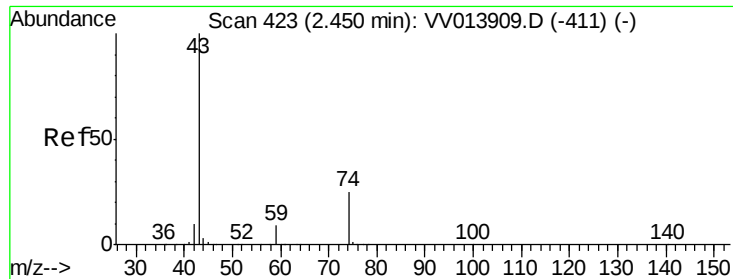
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100000

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Time--> 2.20 2.25 2.30 2.35 2.40

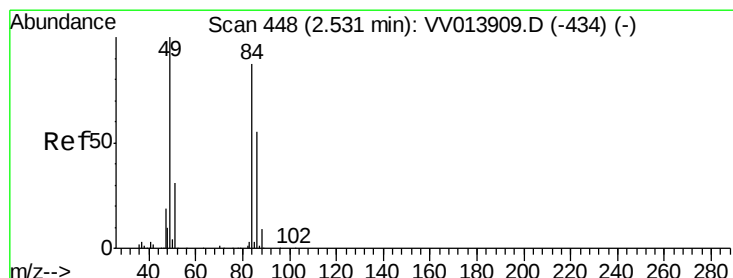
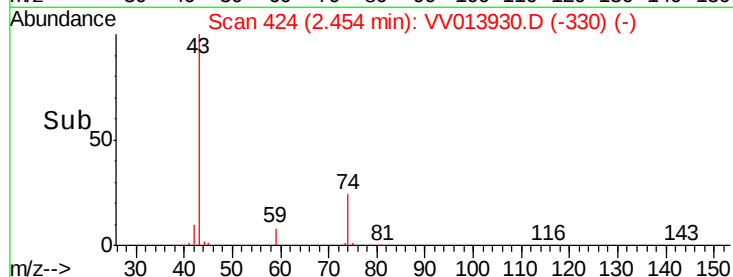
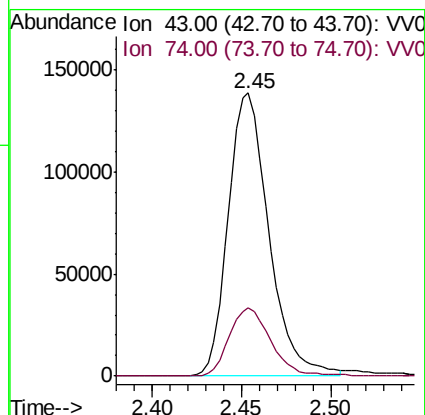
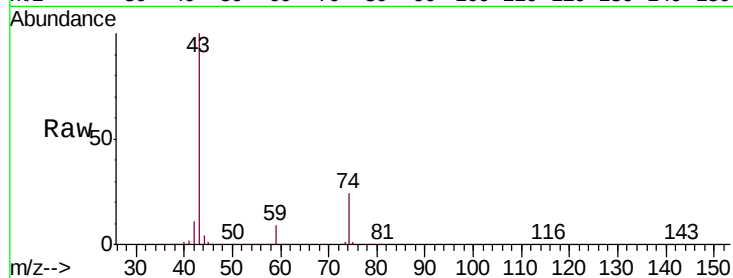




#15
Methyl Acetate
Concen: 47.294 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV013930.D
Acq: 05 Dec 2019 21:17

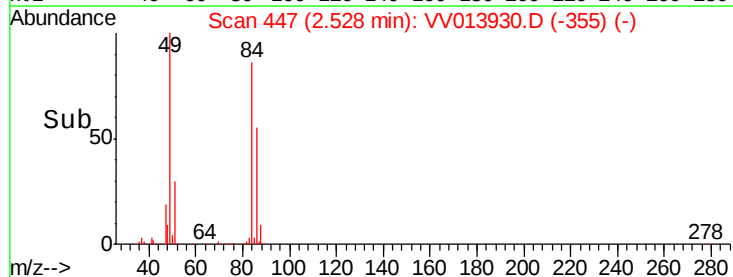
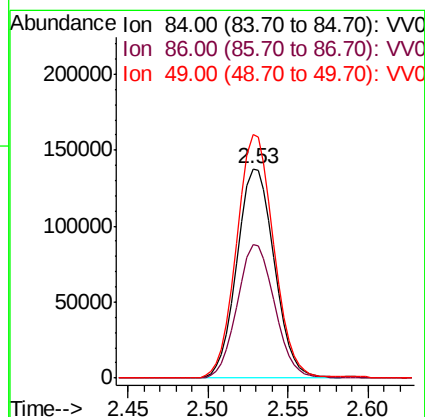
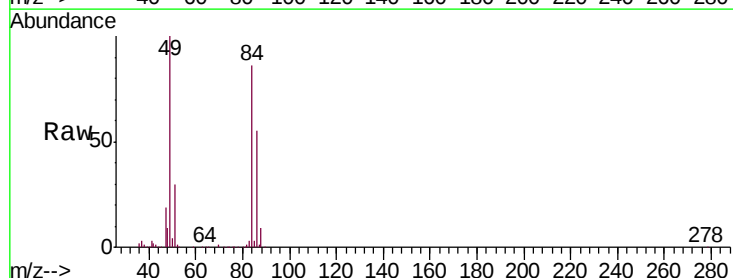
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

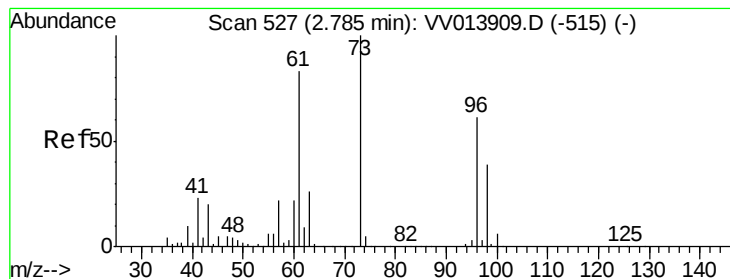
Tgt Ion: 43 Resp: 218497
Ion Ratio Lower Upper
43 100
74 25.0 19.3 28.9



#16
Methylene chloride
Concen: 46.281 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV013930.D
Acq: 05 Dec 2019 21:17

Tgt Ion: 84 Resp: 220016
Ion Ratio Lower Upper
84 100
86 63.8 43.9 81.5
49 116.1 79.7 147.9





#17

trans-1,2-Dichloroethene

Concen: 45.319 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

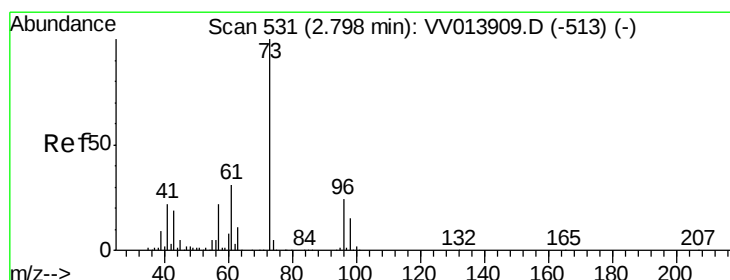
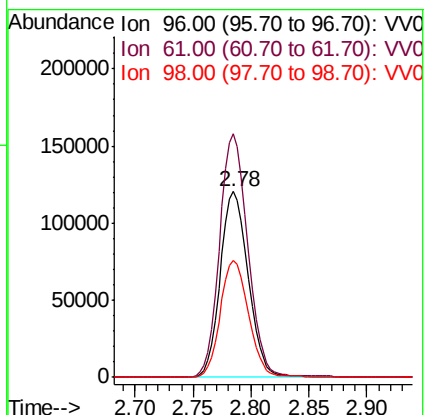
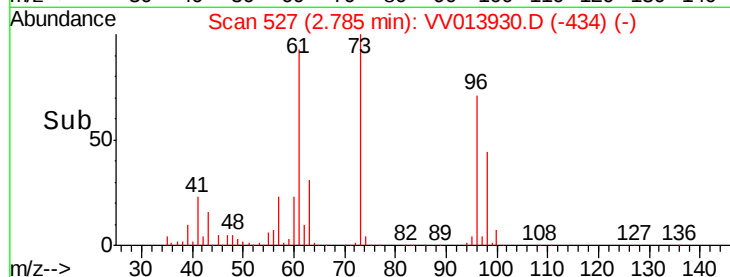
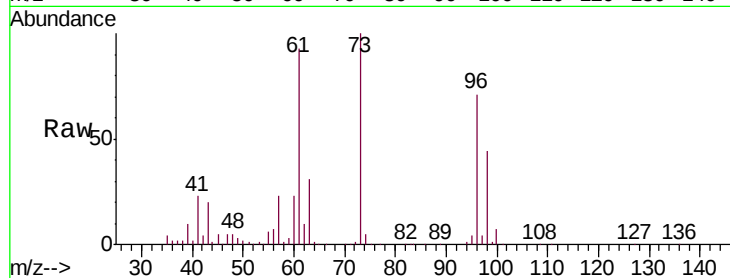
Tgt Ion: 96 Resp: 202362

Ion Ratio Lower Upper

96 100

61 131.1 92.2 171.2

98 62.6 42.6 79.2



#18

Methyl tert-butyl Ether

Concen: 48.258 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

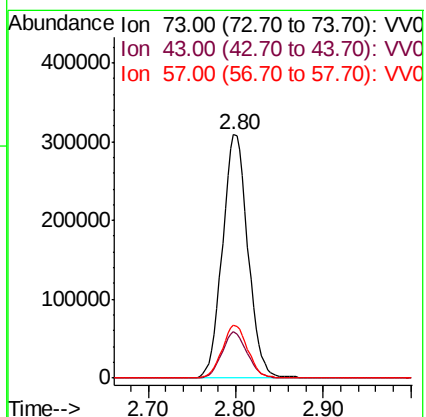
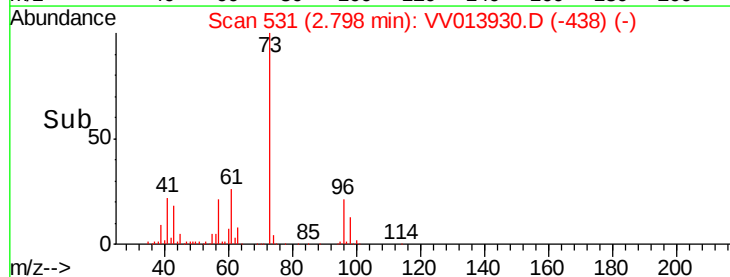
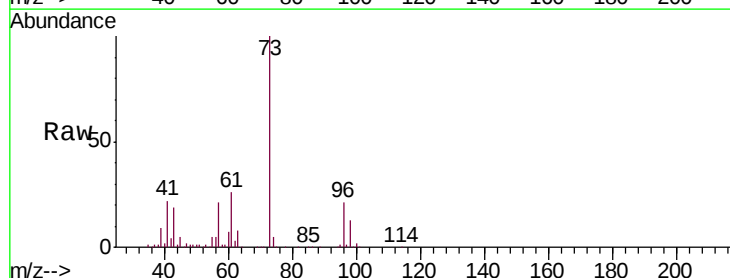
Tgt Ion: 73 Resp: 625347

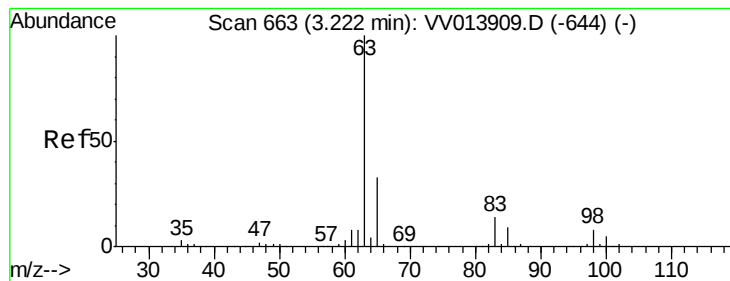
Ion Ratio Lower Upper

73 100

43 18.5 15.0 22.6

57 21.9 17.4 26.2





#19

1,1-Dichloroethane

Concen: 46.698 ug/L

RT: 3.22 min Scan# 663

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

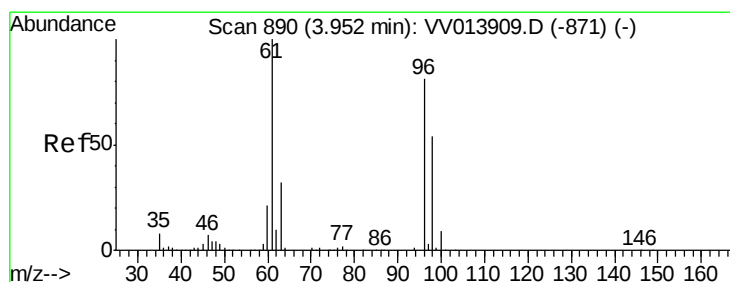
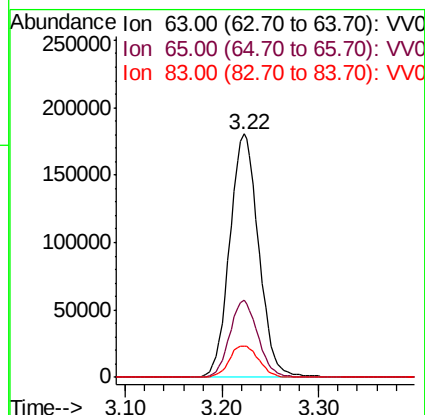
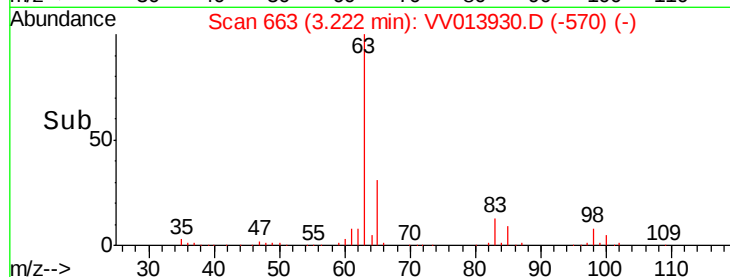
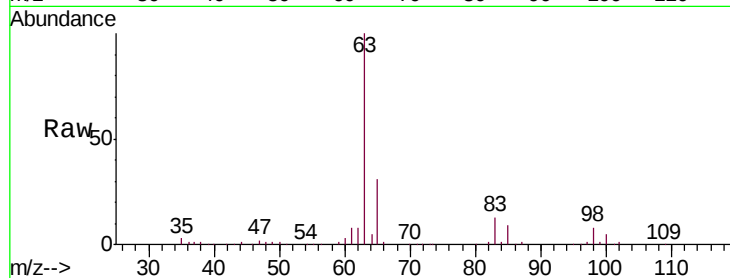
Tgt Ion: 63 Resp: 375680

Ion Ratio Lower Upper

63 100

65 31.5 21.5 39.9

83 12.9 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 46.471 ug/L

RT: 3.95 min Scan# 890

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

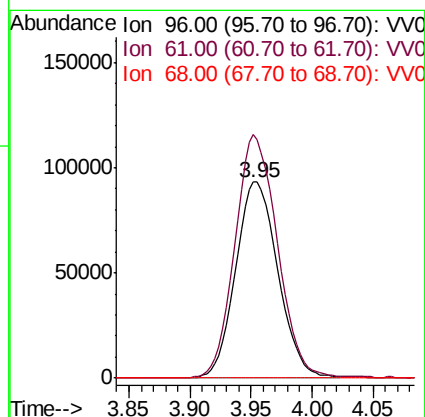
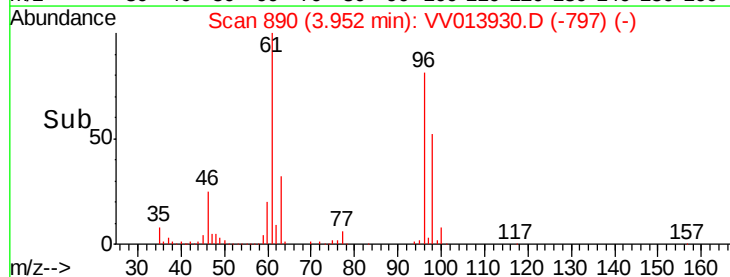
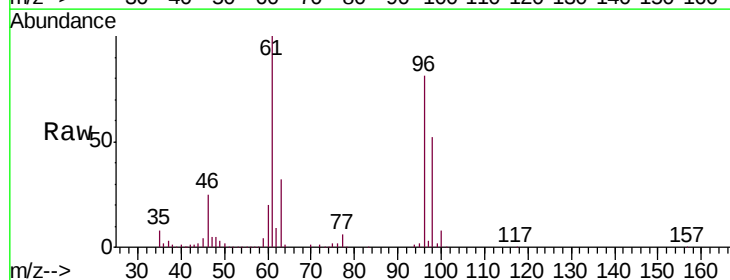
Tgt Ion: 96 Resp: 224714

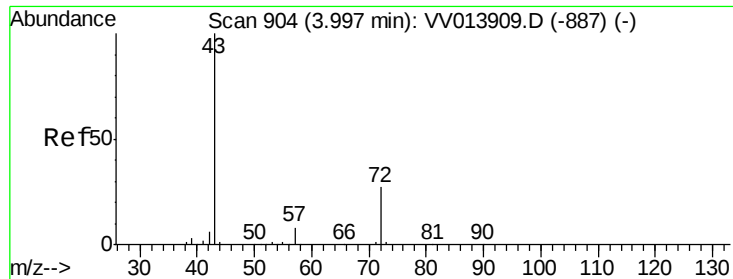
Ion Ratio Lower Upper

96 100

61 124.2 85.3 158.5

68 0.0 0.0 0.0

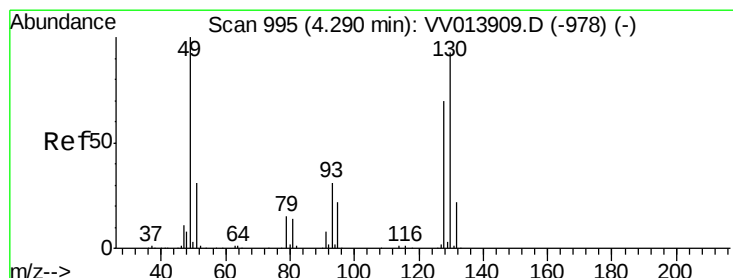
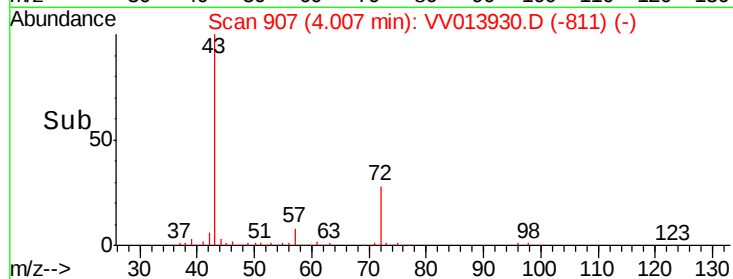
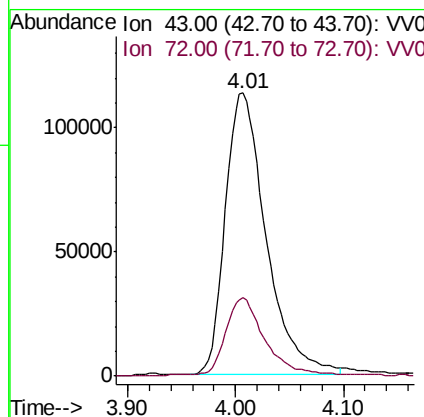
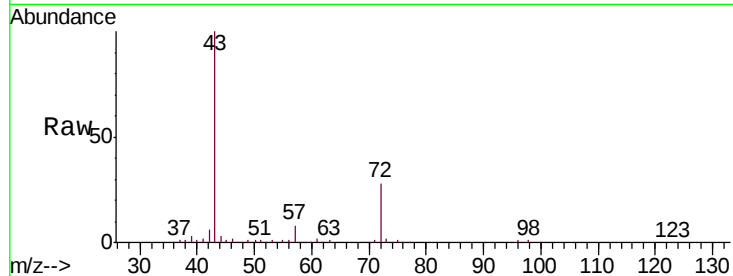




#22
 2-Butanone
 Concen: 82.612 ug/L
 RT: 4.01 min Scan# 907
 Delta R.T. 0.01 min
 Lab File: VV013930.D
 Acq: 05 Dec 2019 21:17

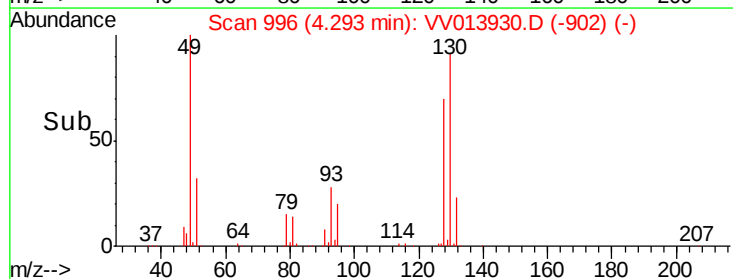
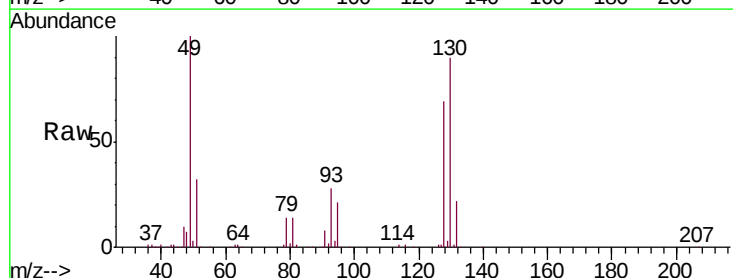
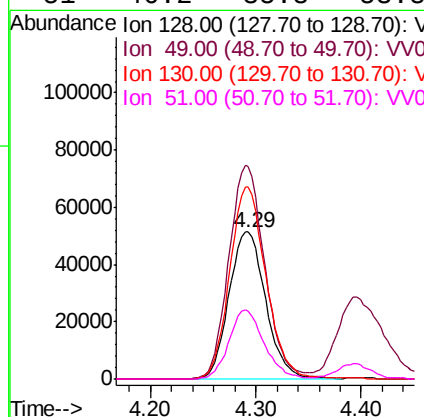
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

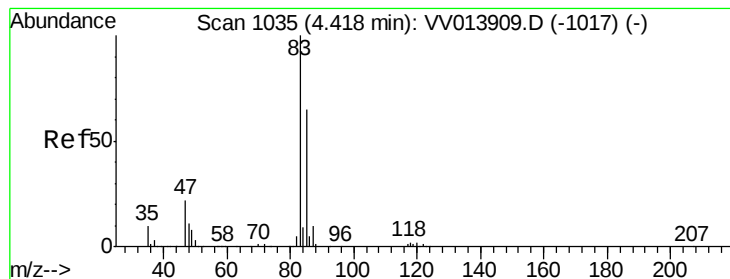
Tgt Ion: 43 Resp: 297250
 Ion Ratio Lower Upper
 43 100
 72 25.8 14.1 42.2



#23
 Bromochloromethane
 Concen: 46.480 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VV013930.D
 Acq: 05 Dec 2019 21:17

Tgt Ion: 128 Resp: 124177
 Ion Ratio Lower Upper
 128 100
 49 144.9 100.4 186.4
 130 130.9 88.3 163.9
 51 46.2 35.8 53.8





#25

Chloroform

Concen: 45.781 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

Instrument :

MSVOA_V

ClientSampleId :

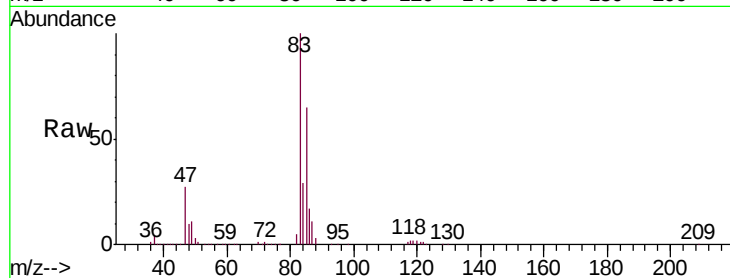
VSTD05070

Tgt Ion: 83 Resp: 393740

Ion Ratio Lower Upper

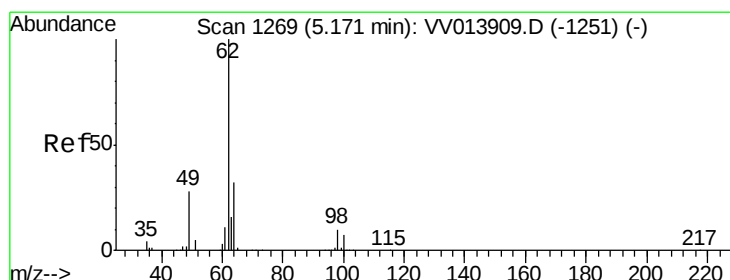
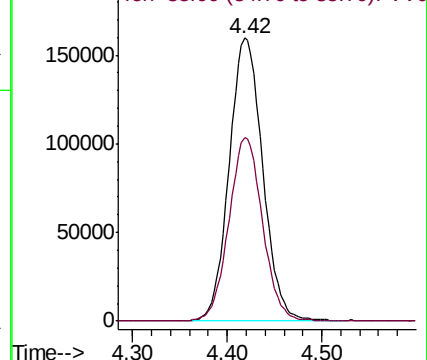
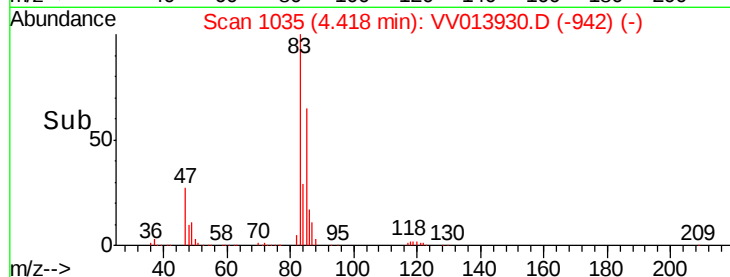
83 100

85 64.7 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV013930.D (-942) (-)

Ion 85.00 (84.70 to 85.70): VV013930.D (-942) (-)



#27

1,2-Dichloroethane

Concen: 48.191 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VV013930.D

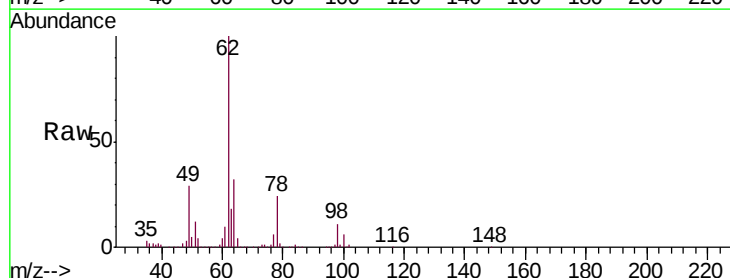
Acq: 05 Dec 2019 21:17

Tgt Ion: 62 Resp: 298649

Ion Ratio Lower Upper

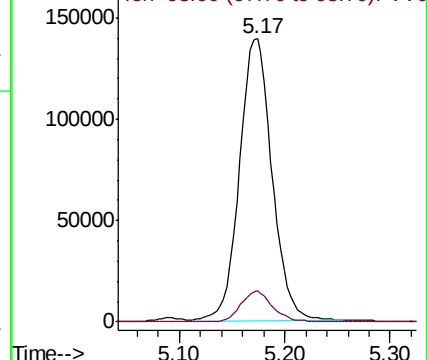
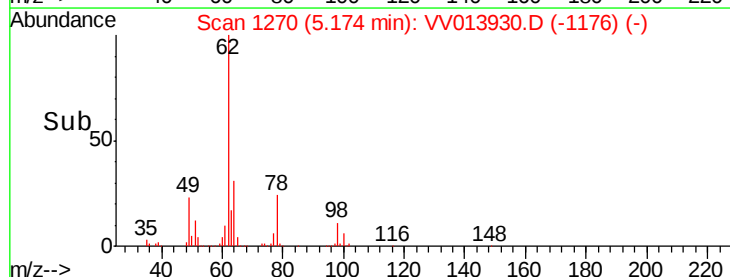
62 100

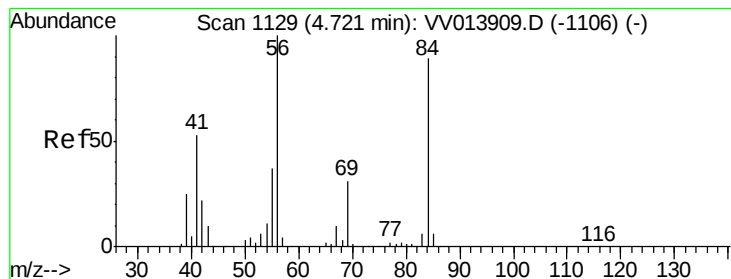
98 10.8 8.5 12.7



Abundance Ion 62.00 (61.70 to 62.70): VV013930.D (-1176) (-)

Ion 98.00 (97.70 to 98.70): VV013930.D (-1176) (-)





#29

Cyclohexane

Concen: 48.521 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

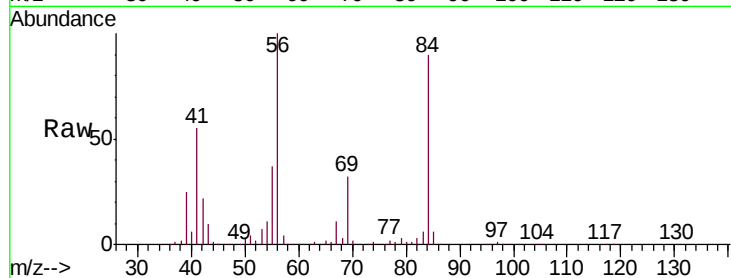
Tgt Ion: 56 Resp: 320896

Ion Ratio Lower Upper

56 100

69 30.9 24.9 37.3

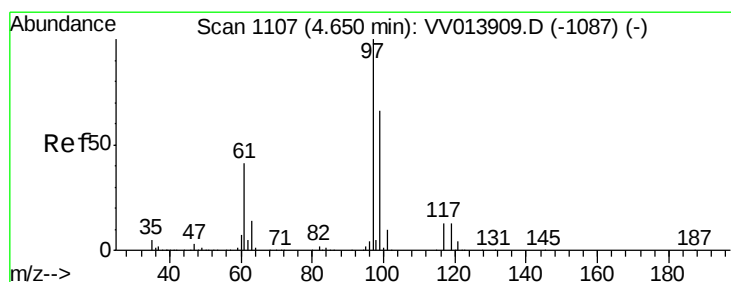
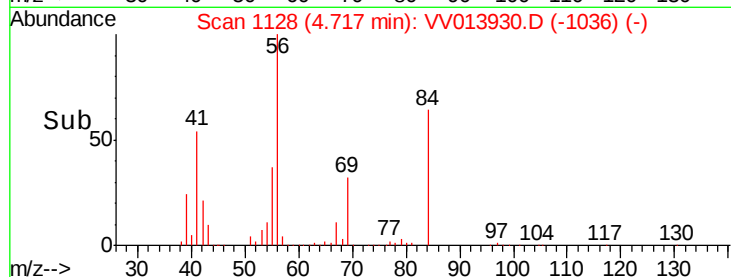
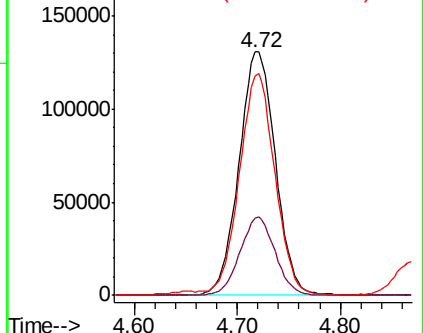
84 88.0 71.0 106.4



Abundance Ion 56.00 (55.70 to 56.70): VV013930.D (-1036) (-)

Ion 69.00 (68.70 to 69.70): VV013930.D (-1036) (-)

Ion 84.00 (83.70 to 84.70): VV013930.D (-1036) (-)



#30

1,1,1-Trichloroethane

Concen: 48.800 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

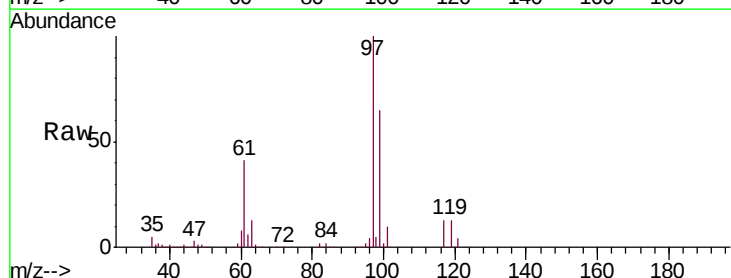
Tgt Ion: 97 Resp: 333484

Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.2

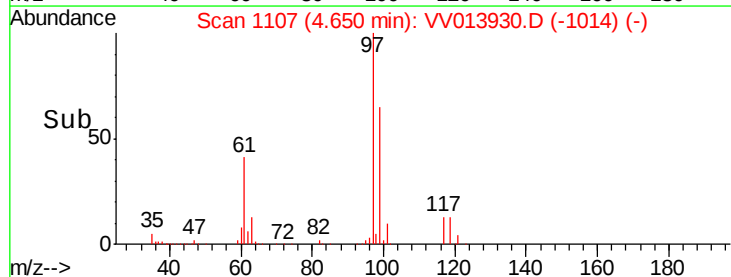
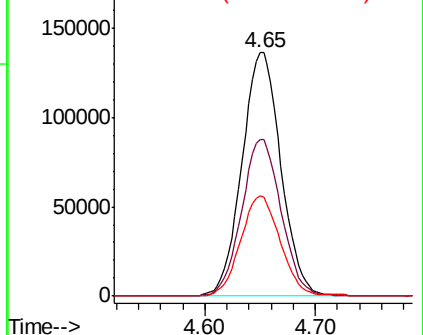
61 41.6 33.2 49.8

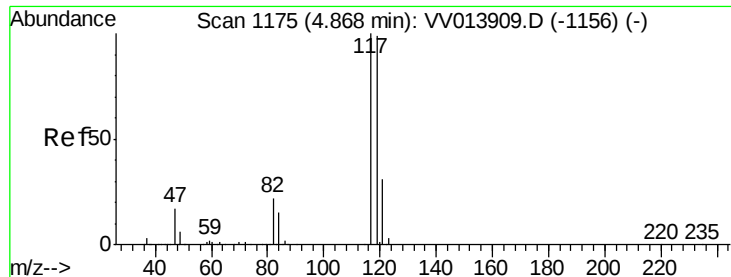


Abundance Ion 97.00 (96.70 to 97.70): VV013930.D (-1014) (-)

Ion 99.00 (98.70 to 99.70): VV013930.D (-1014) (-)

Ion 61.05 (60.75 to 61.75): VV013930.D (-1014) (-)

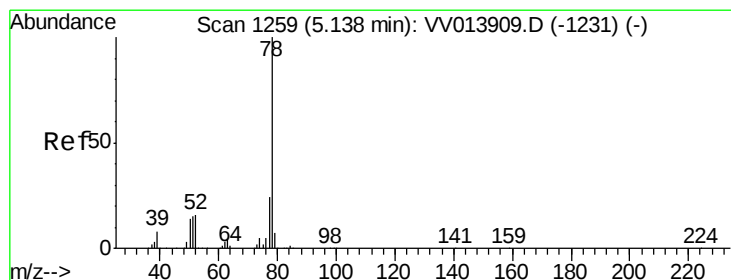
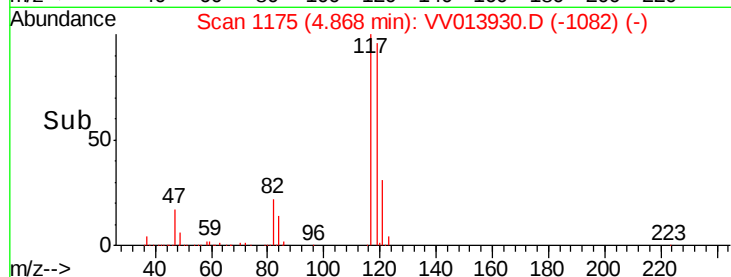
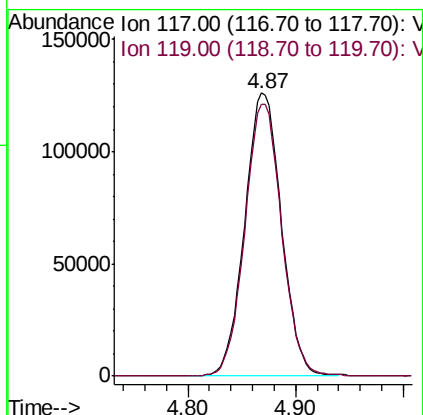
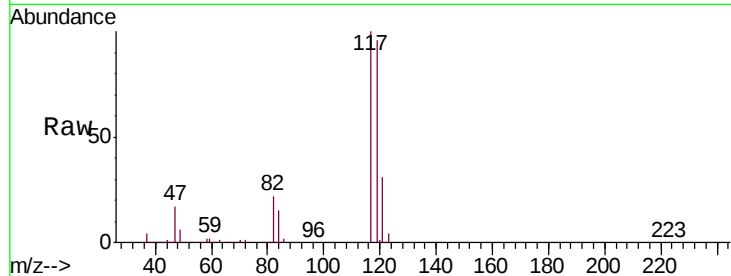




#31
Carbon tetrachloride
Concen: 48.884 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VV013930.D
Acq: 05 Dec 2019 21:17

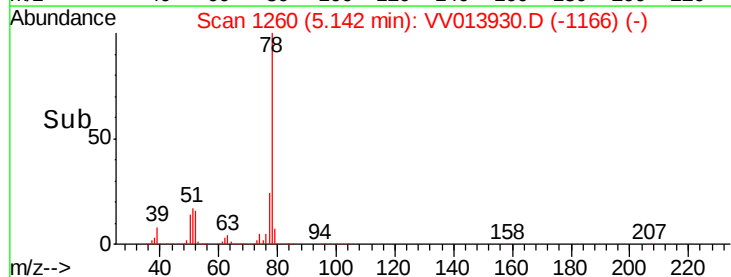
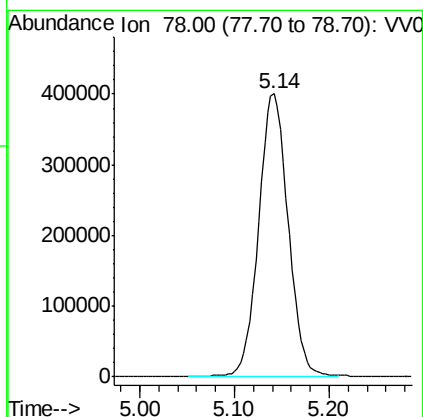
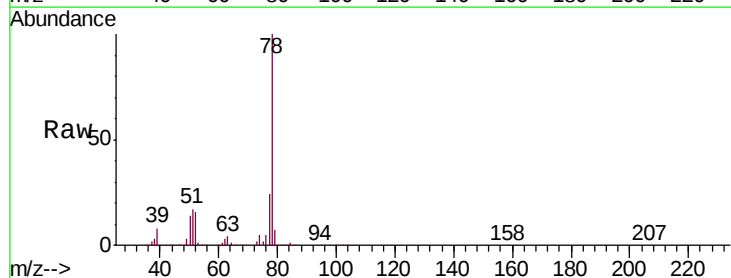
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

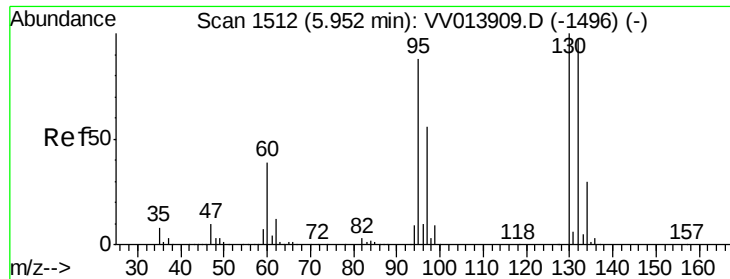
Tgt Ion: 117 Resp: 298410
Ion Ratio Lower Upper
117 100
119 96.3 77.9 116.9



#33
Benzene
Concen: 51.482 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV013930.D
Acq: 05 Dec 2019 21:17

Tgt Ion: 78 Resp: 867862





#34

Trichloroethene

Concen: 52.354 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

Tgt Ion: 95 Resp: 236712

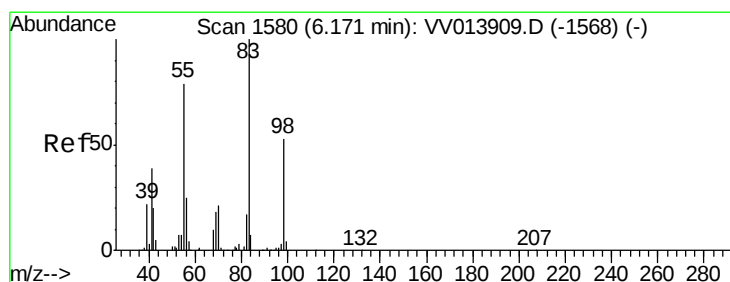
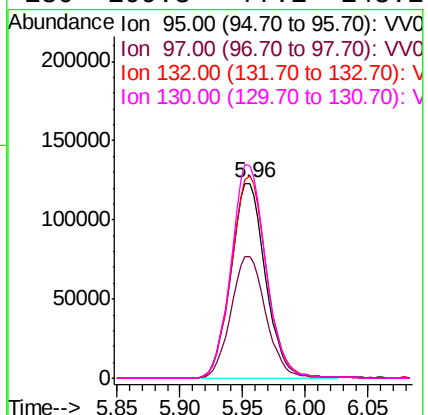
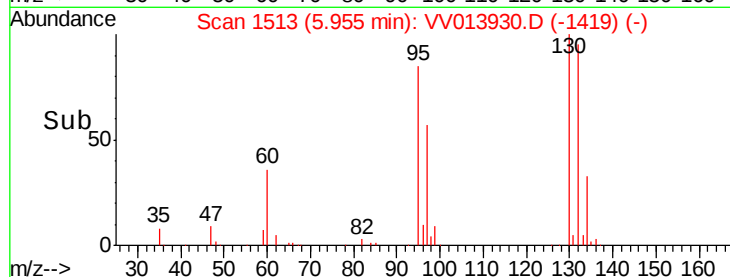
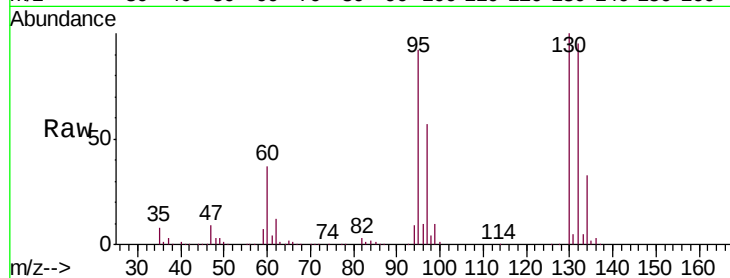
Ion Ratio Lower Upper

95 100

97 62.4 45.4 84.4

132 104.0 73.7 136.9

130 109.3 77.1 143.1



#35

Methylcyclohexane

Concen: 49.490 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

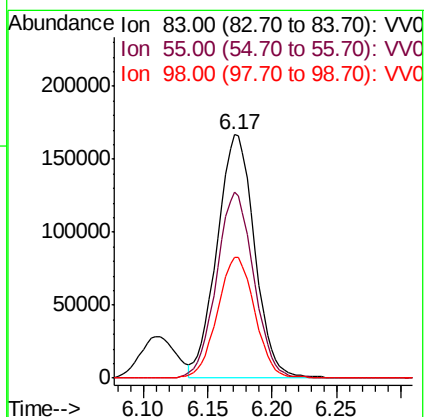
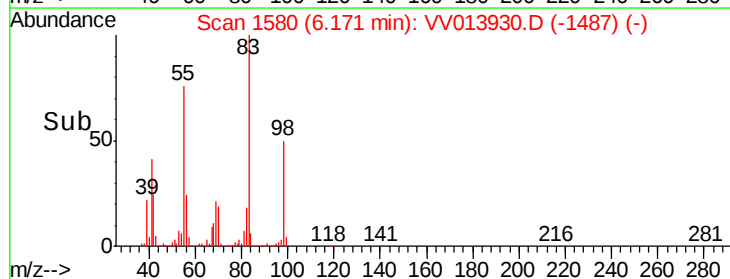
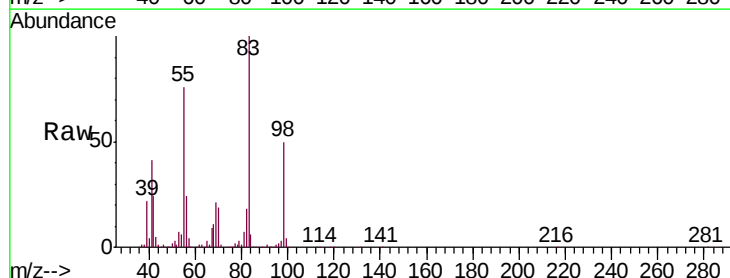
Tgt Ion: 83 Resp: 335737

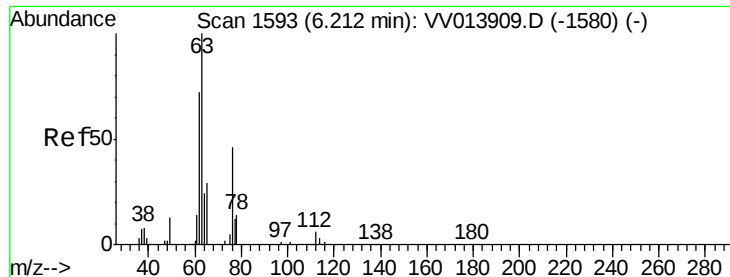
Ion Ratio Lower Upper

83 100

55 75.8 61.0 91.4

98 49.3 39.6 59.4





#37

1,2-Dichloropropane

Concen: 55.212 ug/L

RT: 6.21 min Scan# 1593

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

Instrument :

MSVOA_V

ClientSampleId :

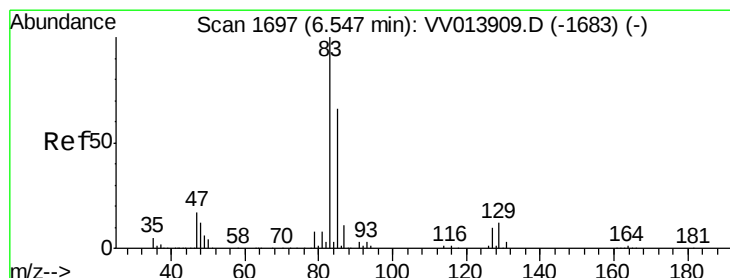
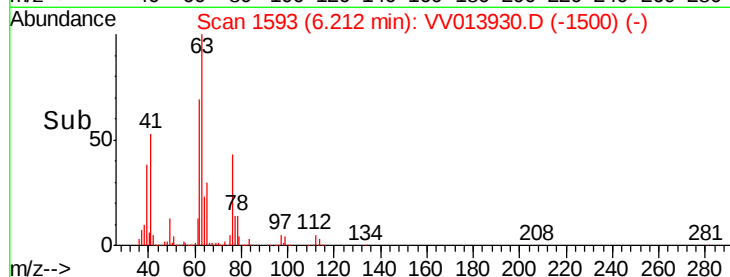
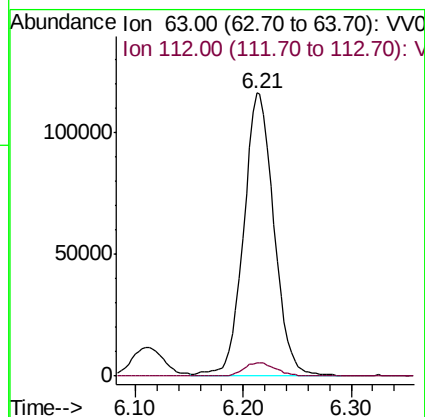
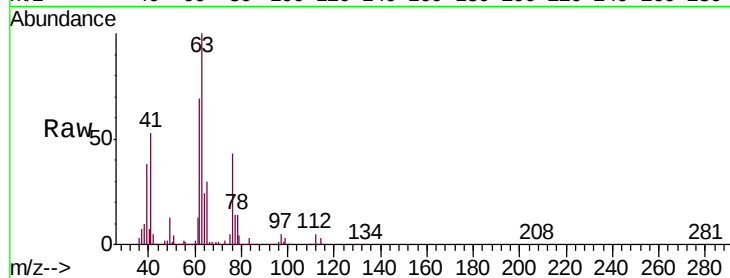
VSTD05070

Tgt Ion: 63 Resp: 225268

Ion Ratio Lower Upper

63 100

112 5.1 4.2 6.2



#38

Bromodichloromethane

Concen: 49.743 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

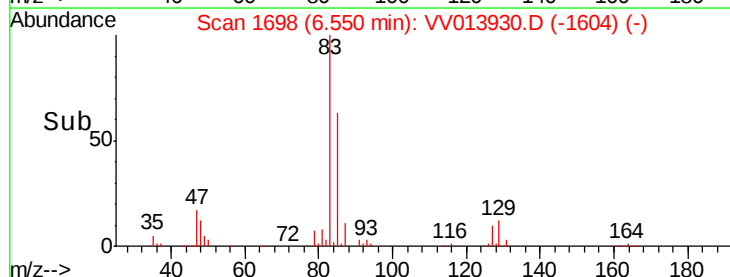
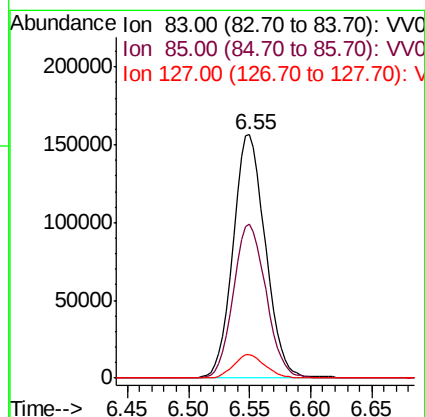
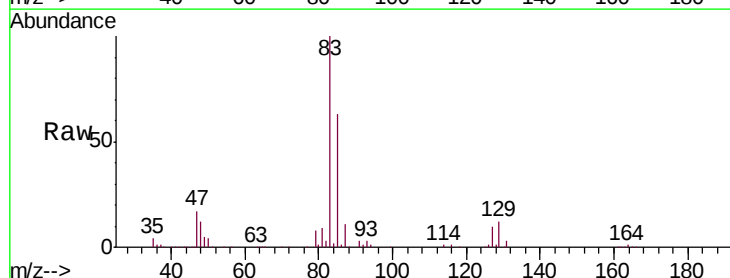
Tgt Ion: 83 Resp: 287820

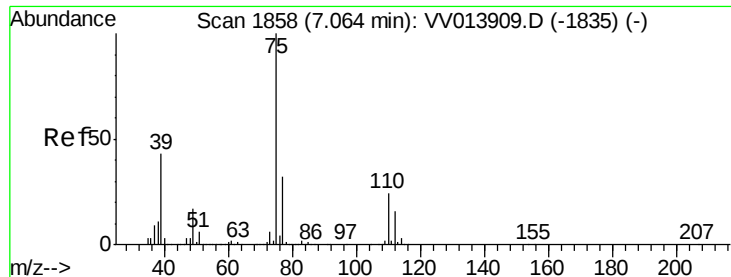
Ion Ratio Lower Upper

83 100

85 63.0 44.8 83.2

127 9.8 7.7 11.5





#39

cis-1,3-Dichloropropene

Concen: 49.067 ug/L

RT: 7.06 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

Instrument :

MSVOA_V

ClientSampleId :

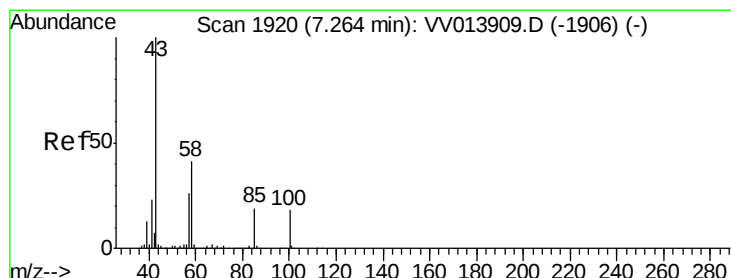
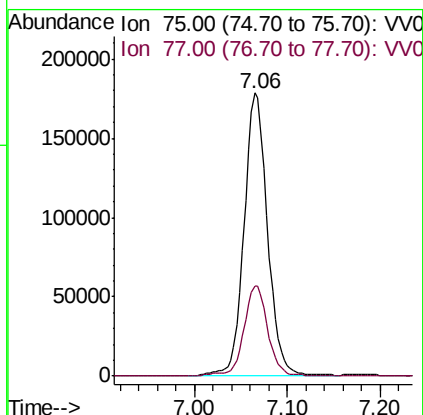
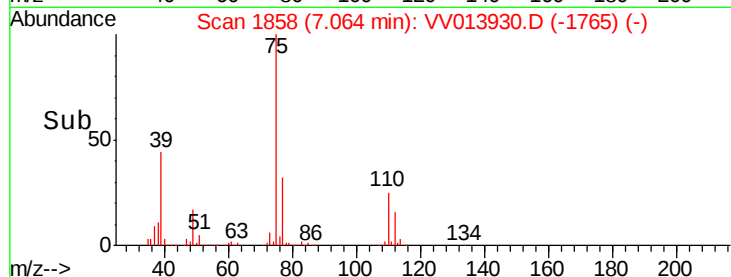
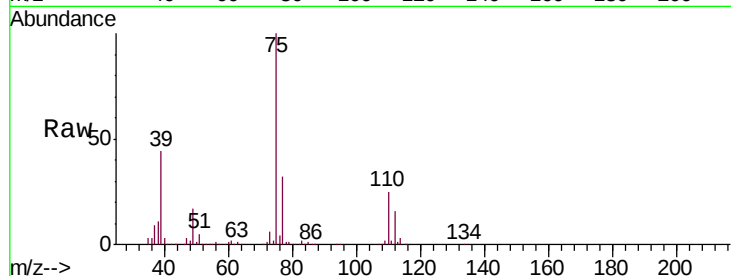
VSTD05070

Tgt Ion: 75 Resp: 315160

Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 106.530 ug/L

RT: 7.26 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

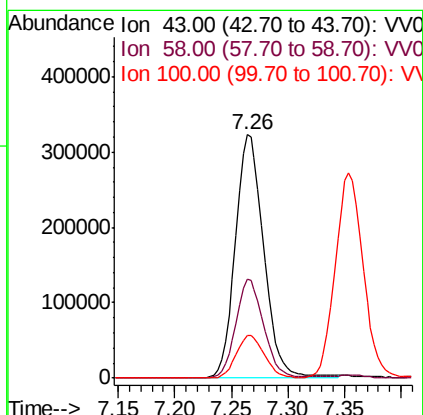
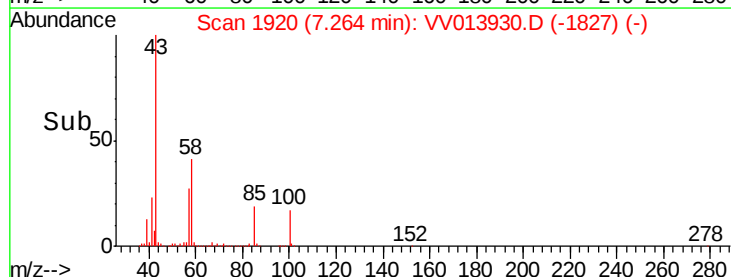
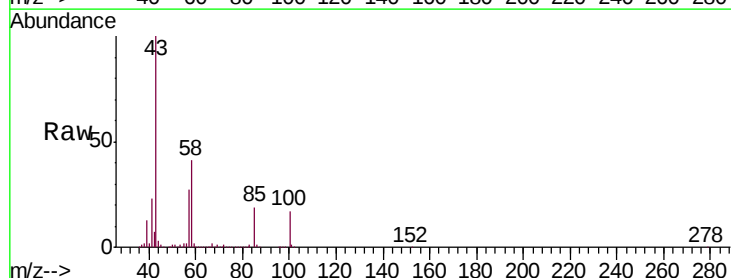
Tgt Ion: 43 Resp: 565189

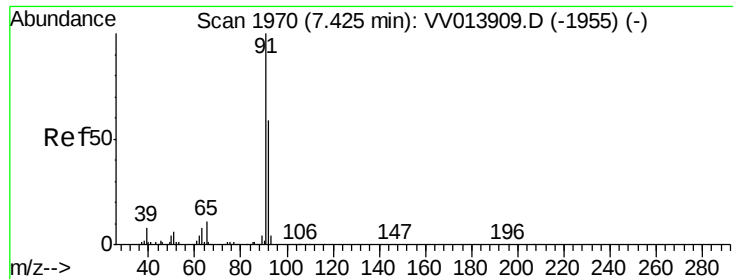
Ion Ratio Lower Upper

43 100

58 40.0 31.9 47.9

100 17.4 13.7 20.5





#42

Toluene

Concen: 52.241 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

Instrument :

MSVOA_V

ClientSampleId :

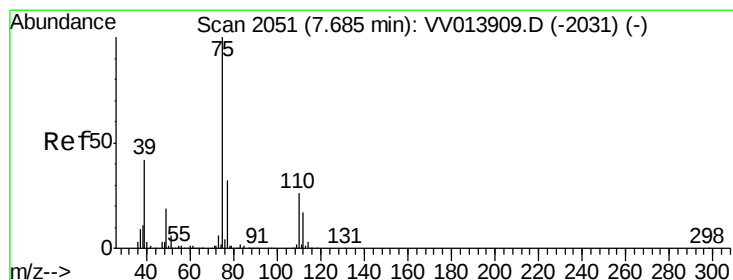
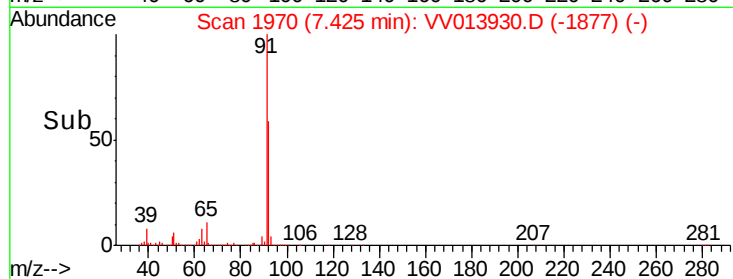
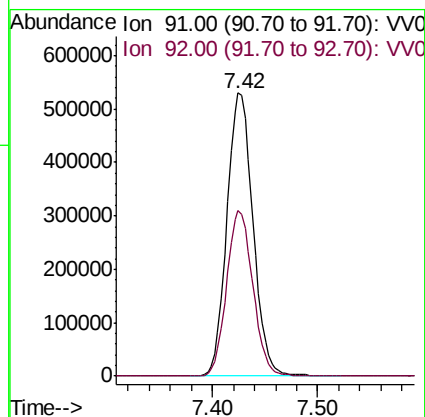
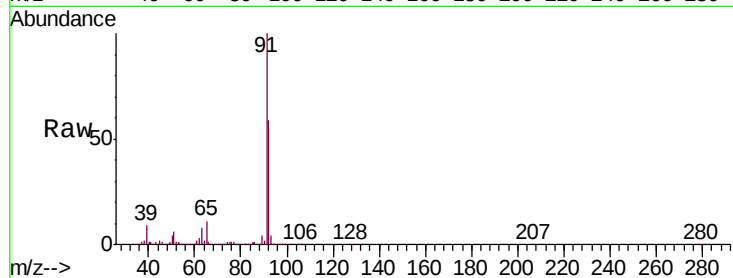
VSTD05070

Tgt Ion: 91 Resp: 908640

Ion Ratio Lower Upper

91 100

92 58.7 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 49.641 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV013930.D

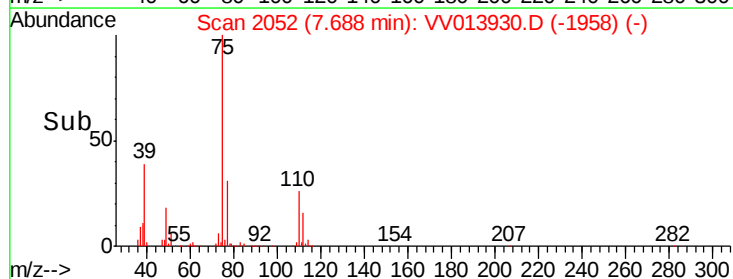
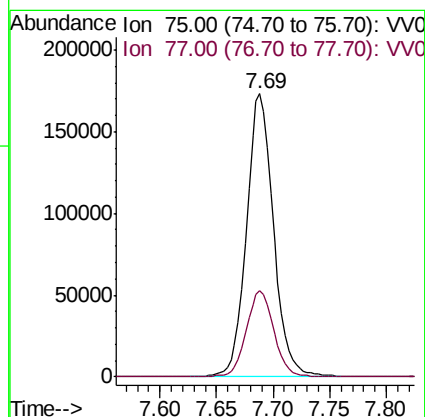
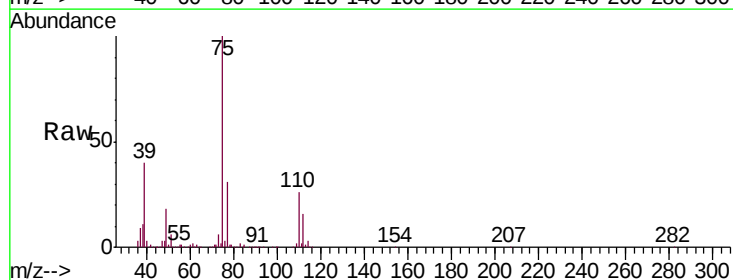
Acq: 05 Dec 2019 21:17

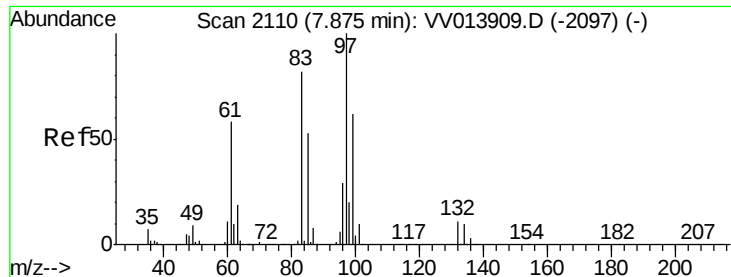
Tgt Ion: 75 Resp: 288729

Ion Ratio Lower Upper

75 100

77 30.5 22.9 42.5

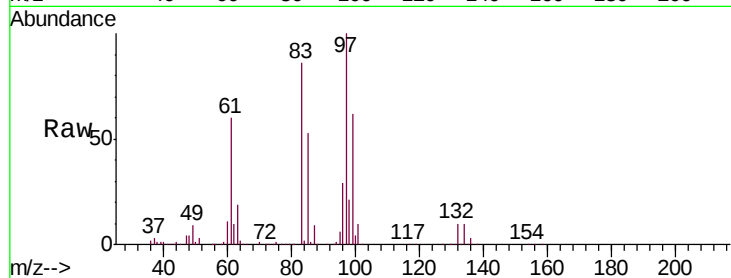




#45
 1,1,2-Trichloroethane
 Concen: 52.463 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV013930.D
 Acq: 05 Dec 2019 21:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Tgt Ion:	97	Resp:	212466
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.0	80.0
83	85.7	57.5	106.9
85	52.6	35.6	66.2



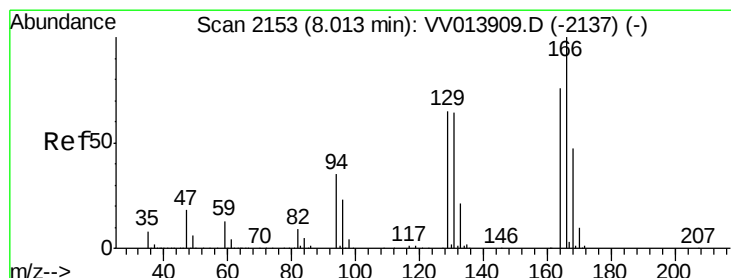
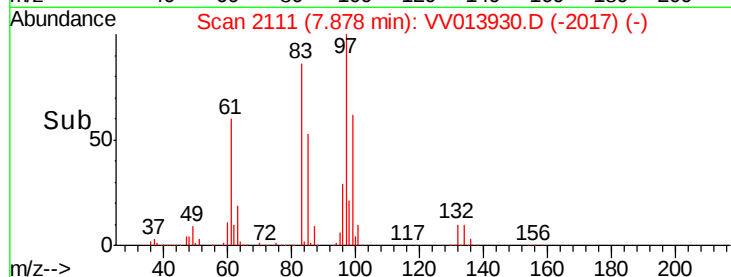
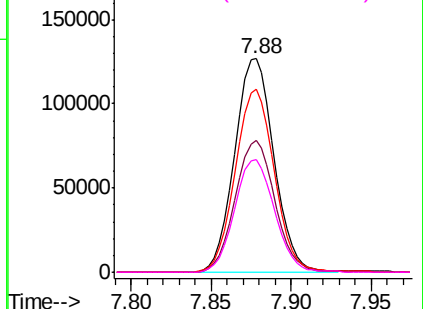
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

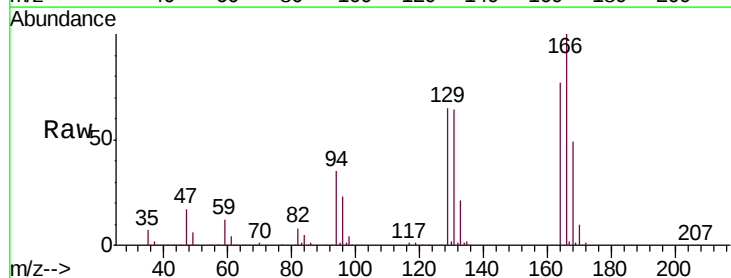
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 48.515 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV013930.D
 Acq: 05 Dec 2019 21:17

Tgt Ion:	164	Resp:	197937
Ion	Ratio	Lower	Upper
164	100		
129	85.0	61.7	114.7
131	82.7	58.4	108.6
166	130.0	93.4	173.6



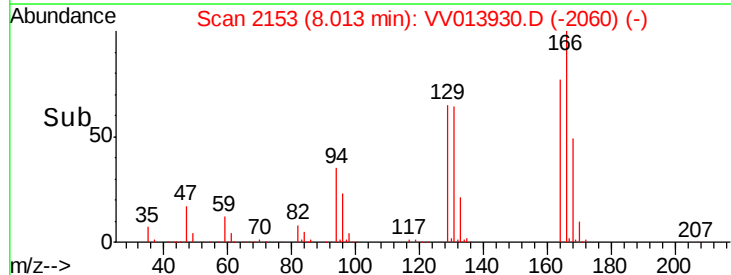
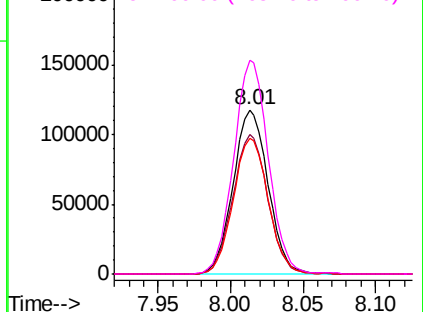
Abundance

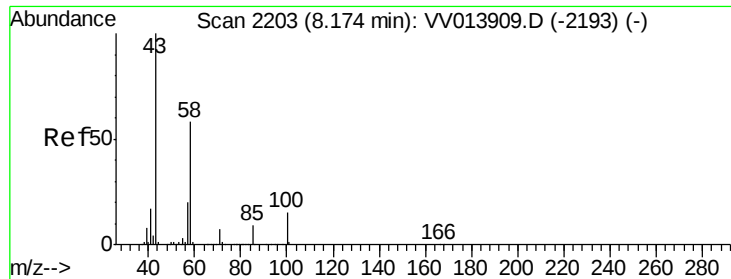
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

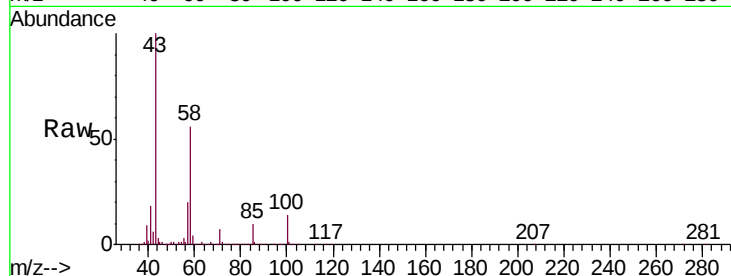




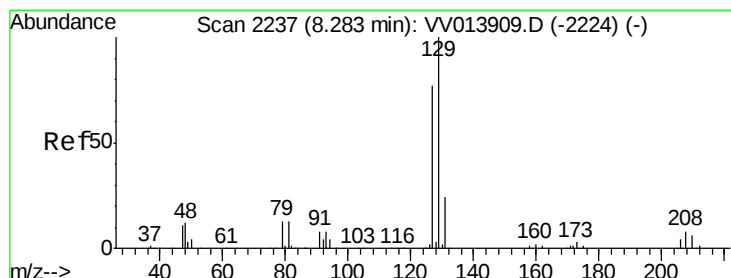
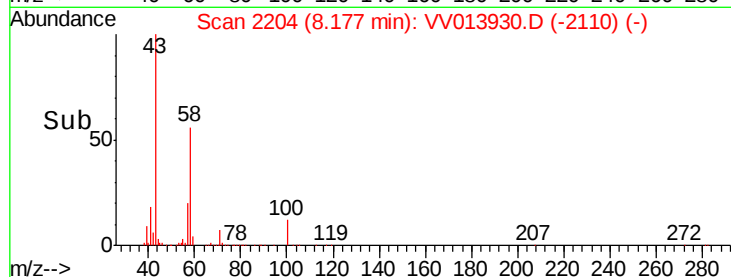
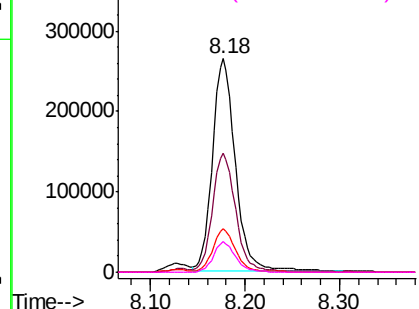
#48
2-Hexanone
Concen: 104.916 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV013930.D
Acq: 05 Dec 2019 21:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tgt Ion: 43 Resp: 445273
Ion Ratio Lower Upper
43 100
58 55.0 48.4 72.6
57 20.6 16.6 24.8
100 13.6 11.9 17.9

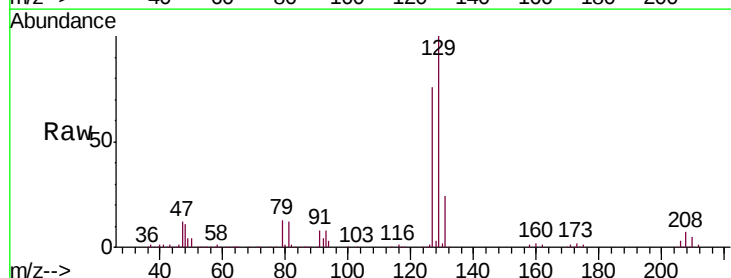


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

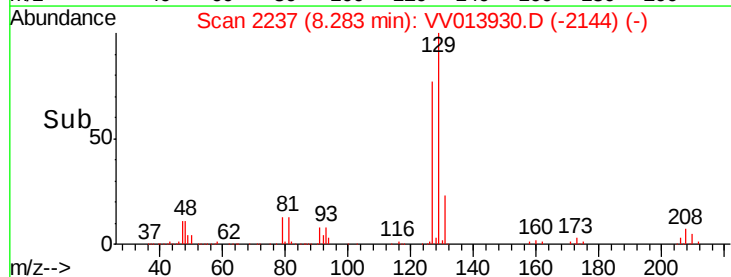
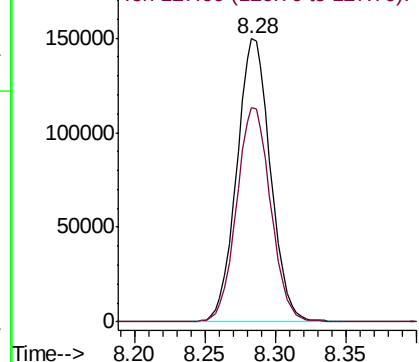


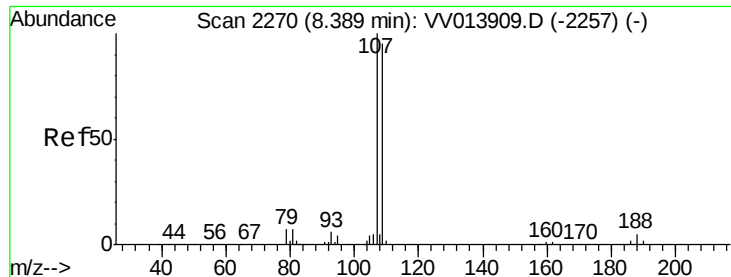
#49
Dibromochloromethane
Concen: 50.564 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV013930.D
Acq: 05 Dec 2019 21:17

Tgt Ion: 129 Resp: 250318
Ion Ratio Lower Upper
129 100
127 75.7 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

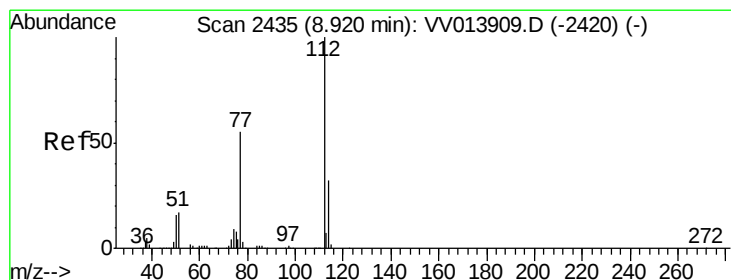
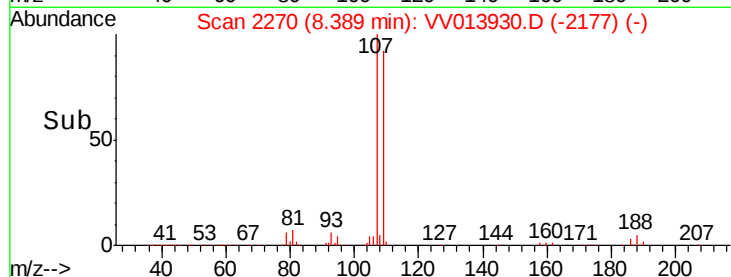
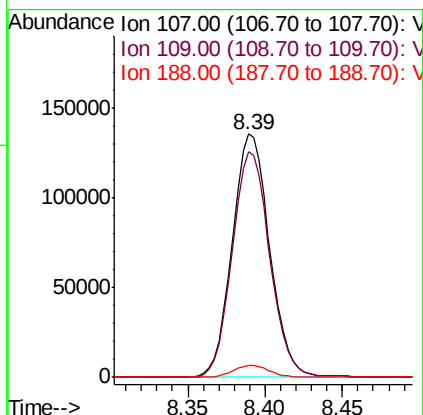
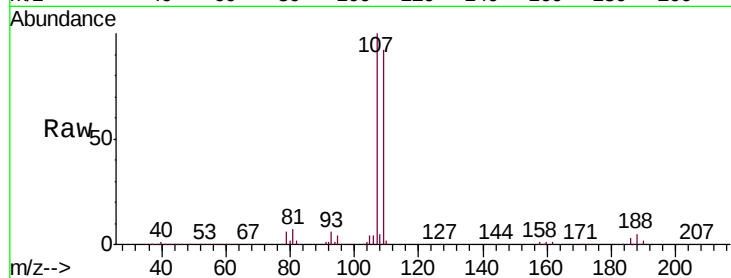




#50
1,2-Dibromoethane
Concen: 50.943 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV013930.D
Acq: 05 Dec 2019 21:17

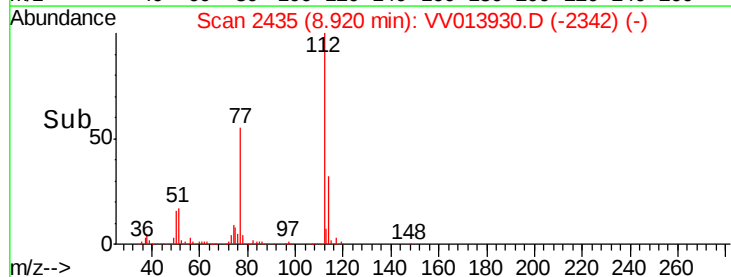
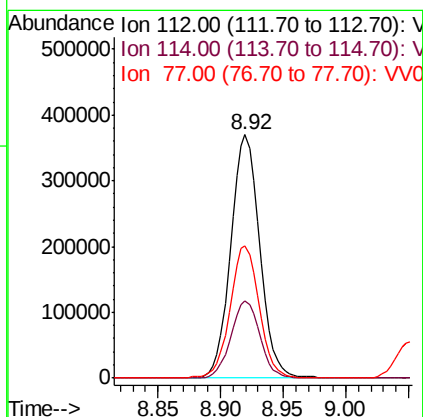
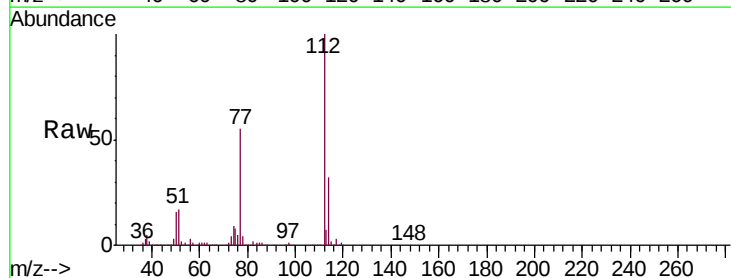
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

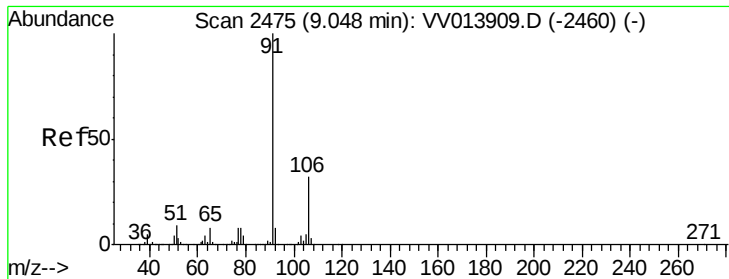
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.5	65.9	122.5
188	4.8	3.6	5.4



#51
Chlorobenzene
Concen: 49.460 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013930.D
Acq: 05 Dec 2019 21:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	23.2	43.2
77	54.5	45.0	67.4





#52

Ethylbenzene

Concen: 49.856 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

Instrument :

MSVOA_V

ClientSampleId :

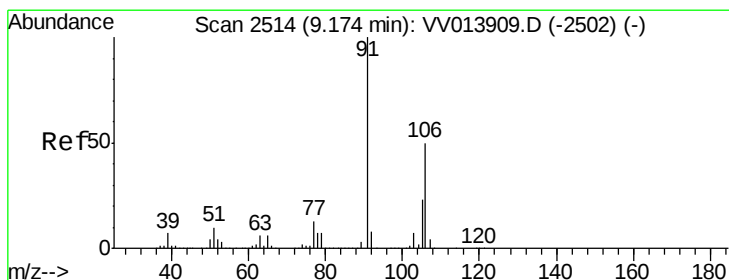
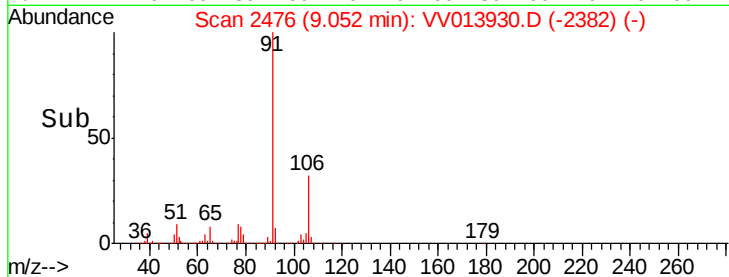
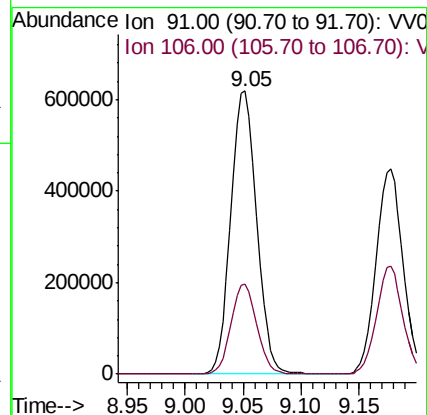
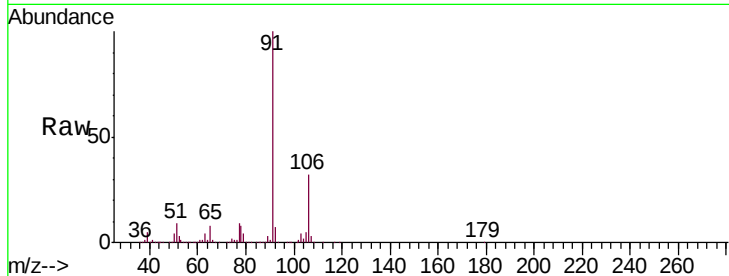
VSTD05070

Tgt Ion: 91 Resp: 955960

Ion Ratio Lower Upper

91 100

106 31.9 21.8 40.4



#53

m,p-Xylene

Concen: 50.503 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013930.D

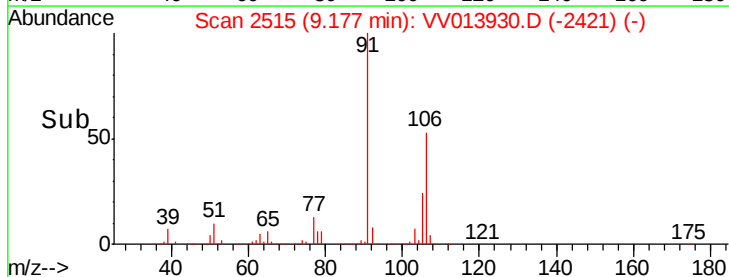
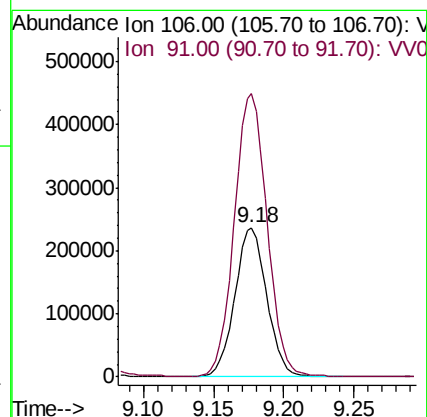
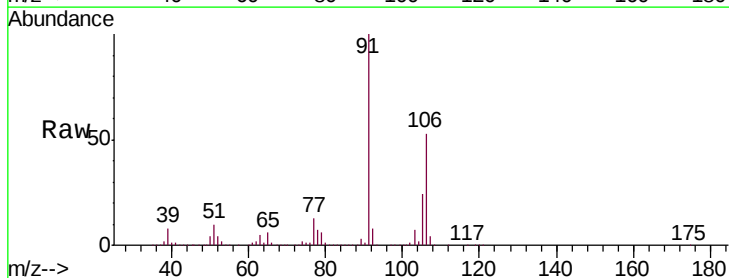
Acq: 05 Dec 2019 21:17

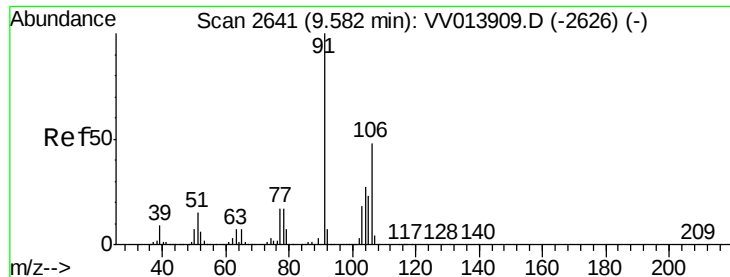
Tgt Ion: 106 Resp: 374473

Ion Ratio Lower Upper

106 100

91 189.7 139.4 259.0





#54

o-xylene

Concen: 50.416 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

Instrument :

MSVOA_V

ClientSampleId :

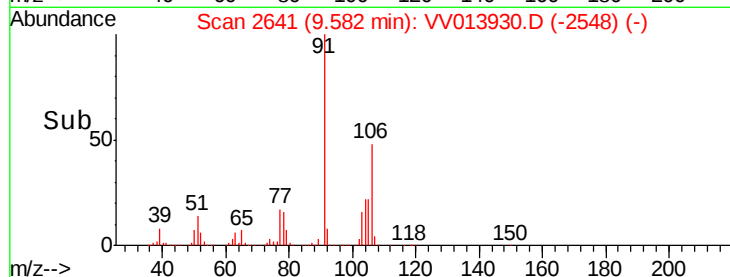
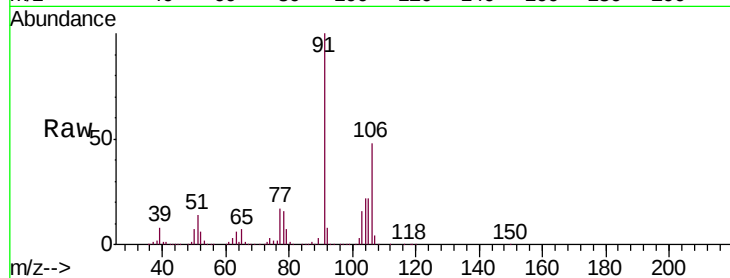
VSTD05070

Tgt Ion:106 Resp: 365510

Ion Ratio Lower Upper

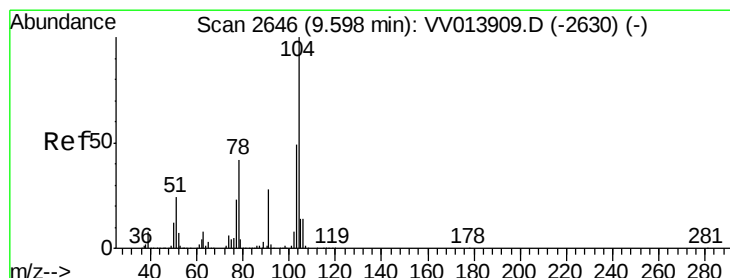
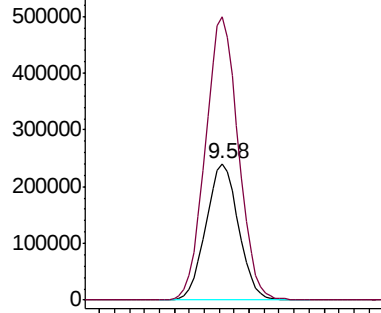
106 100

91 207.7 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.060 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013930.D

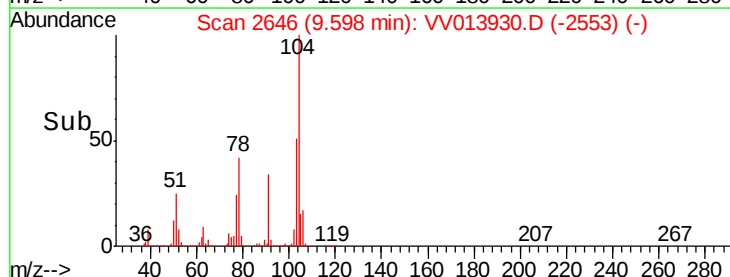
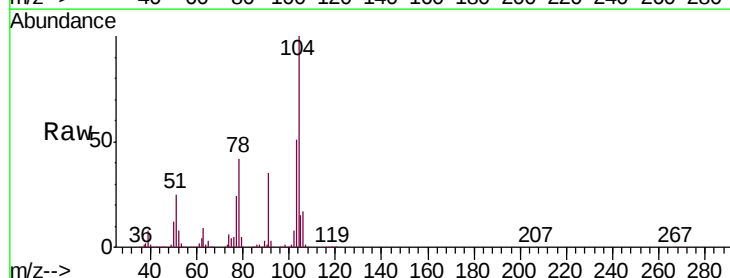
Acq: 05 Dec 2019 21:17

Tgt Ion:104 Resp: 626163

Ion Ratio Lower Upper

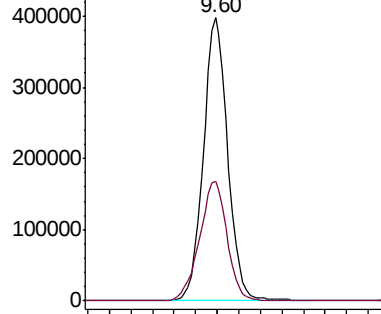
104 100

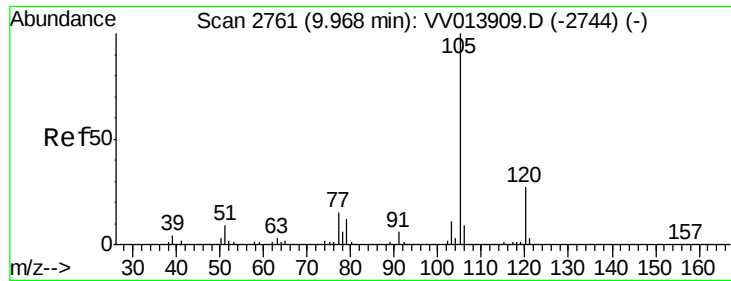
78 42.4 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

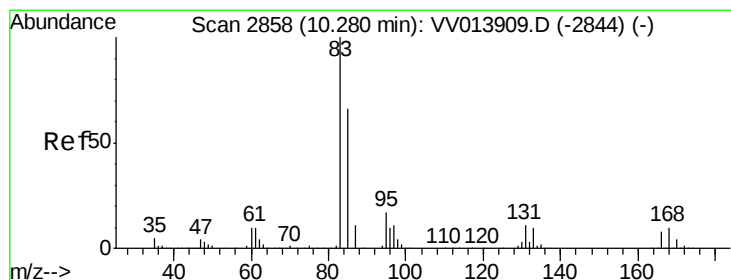
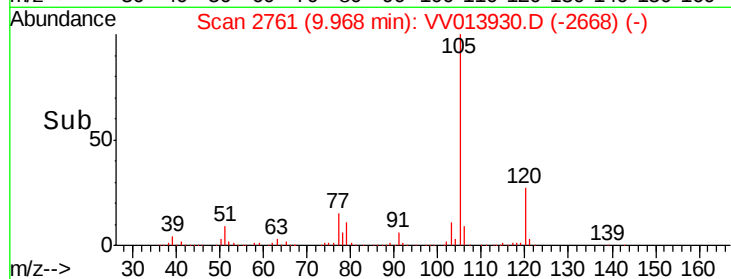
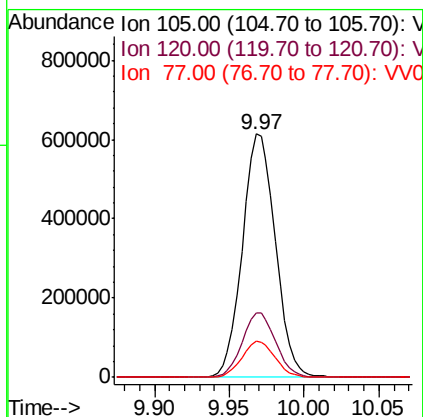
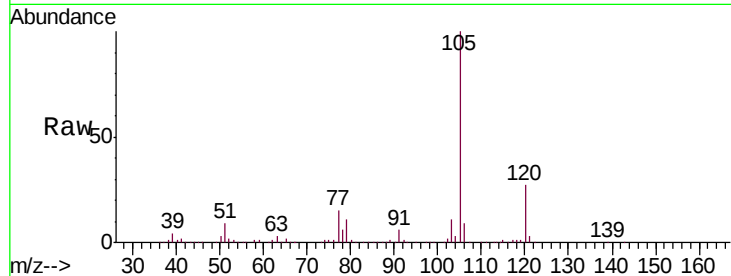




#56
Isopropylbenzene
Concen: 48.467 ug/L
RT: 9.97 min Scan# 2761
Delta R.T. 0.00 min
Lab File: VV013930.D
Acq: 05 Dec 2019 21:17

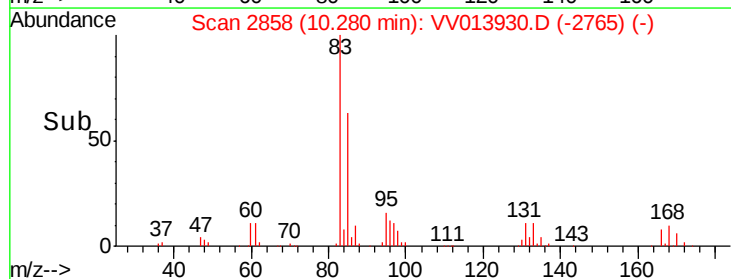
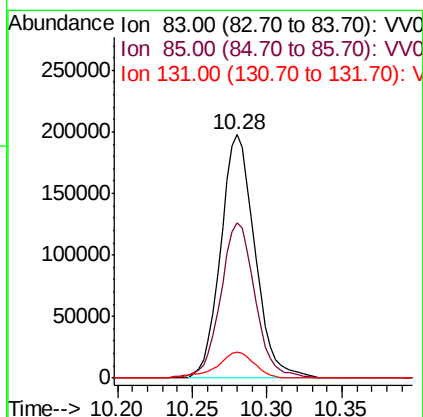
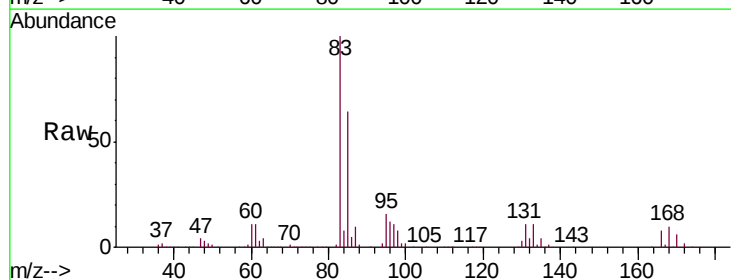
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

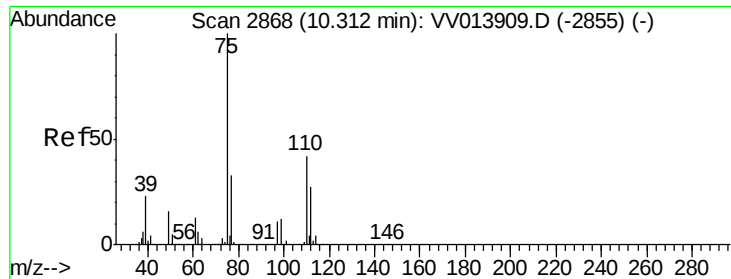
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.4	32.2
77	14.7	12.0	18.0



#58
1,1,2,2-Tetrachloroethane
Concen: 47.780 ug/L
RT: 10.28 min Scan# 2858
Delta R.T. 0.00 min
Lab File: VV013930.D
Acq: 05 Dec 2019 21:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	44.1	81.9
131	10.6	8.8	13.2





#59

1,2,3-Trichloropropane

Concen: 50.394 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

Instrument :

MSVOA_V

ClientSampleId :

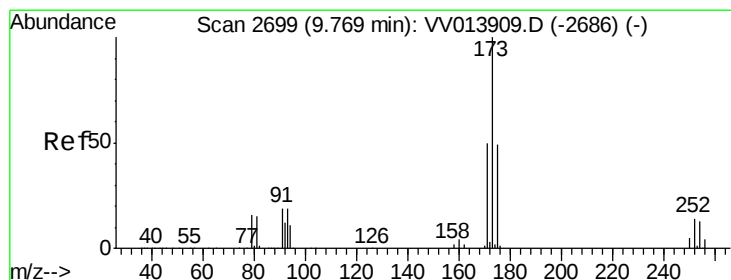
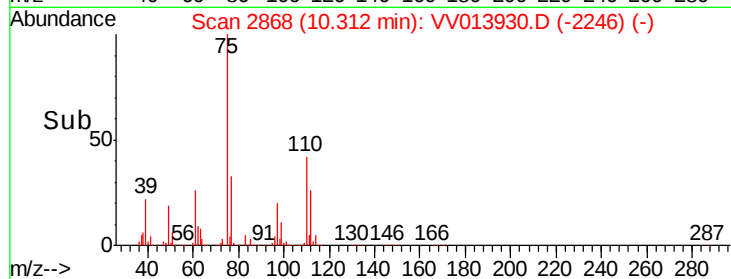
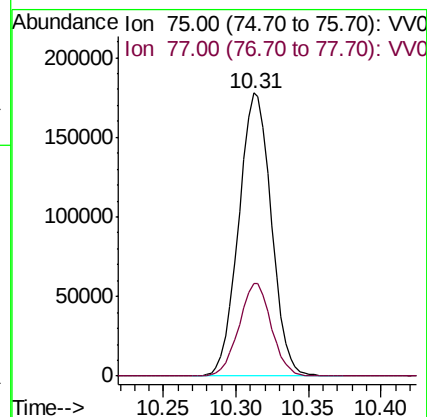
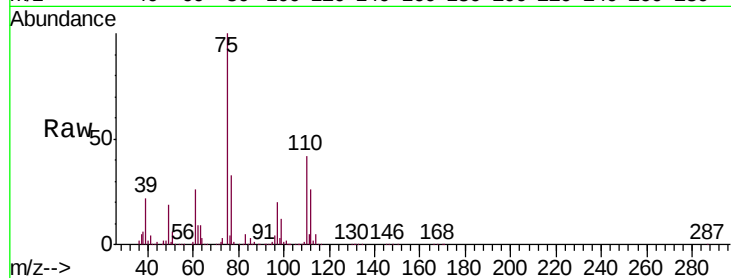
VSTD05070

Tgt Ion: 75 Resp: 278237

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8



#61

Bromoform

Concen: 55.339 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

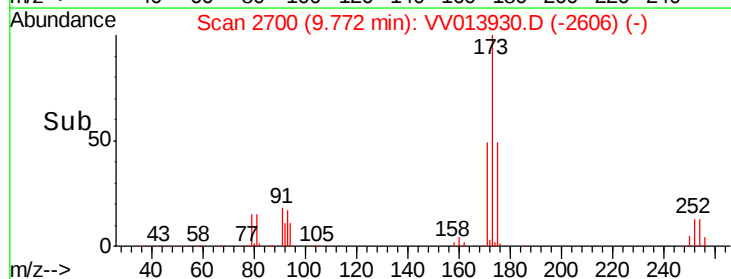
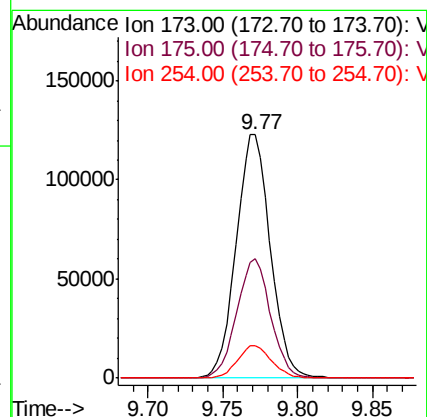
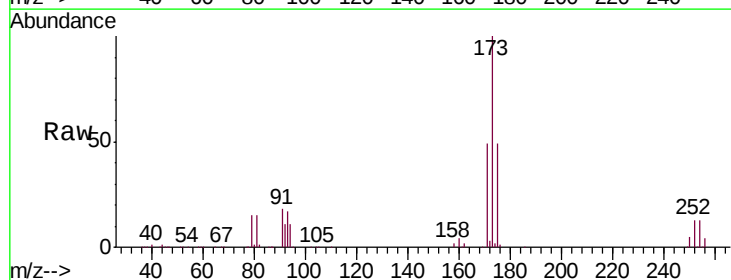
Tgt Ion: 173 Resp: 195484

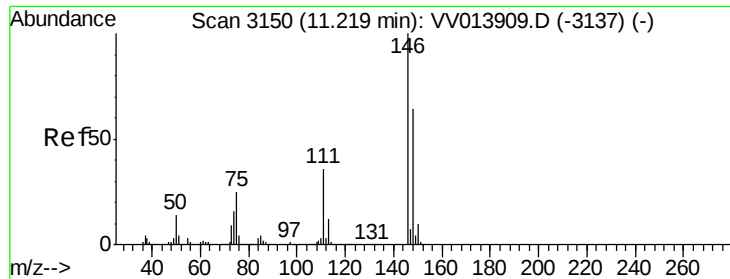
Ion Ratio Lower Upper

173 100

175 48.6 38.4 57.6

254 13.4 10.5 15.7

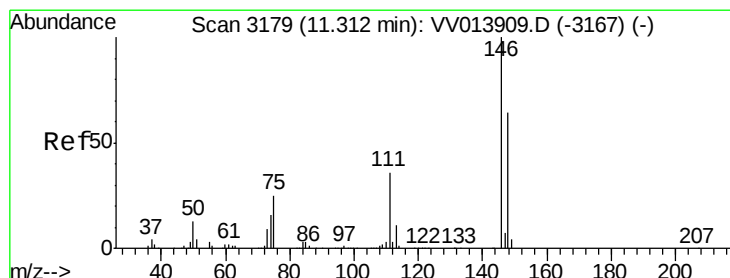
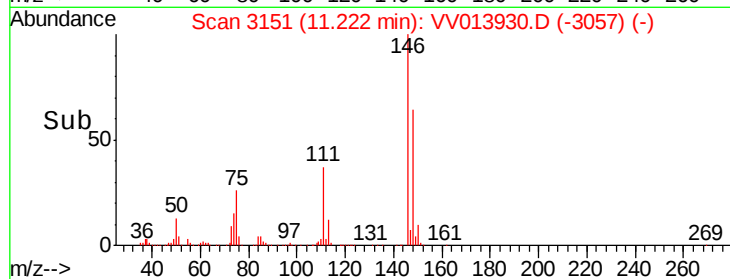
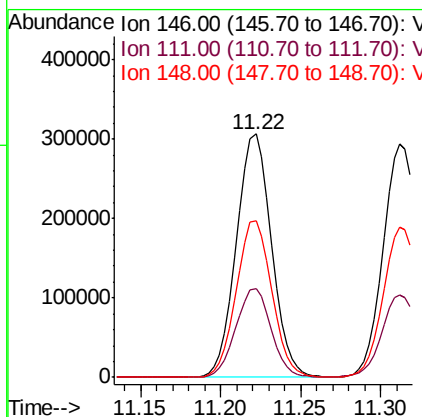
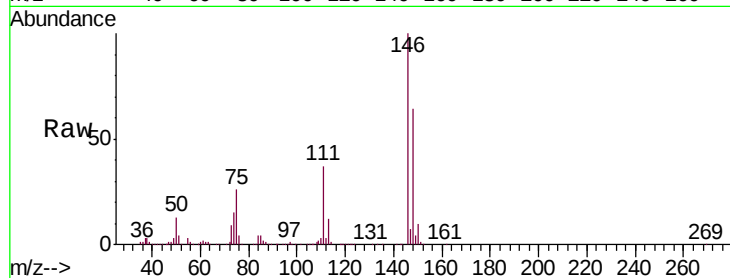




#62
 1,3-Dichlorobenzene
 Concen: 48.495 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013930.D
 Acq: 05 Dec 2019 21:17

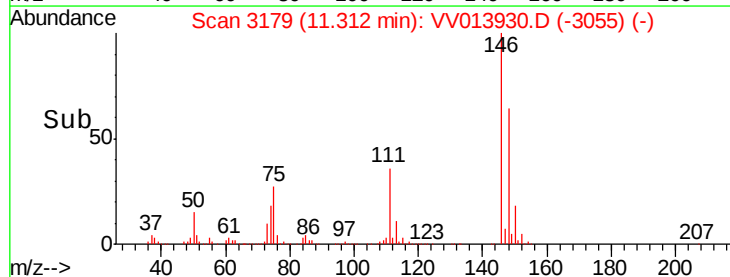
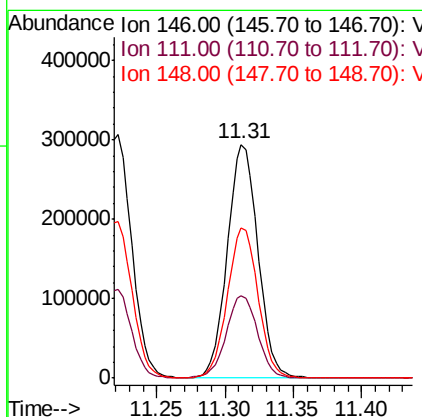
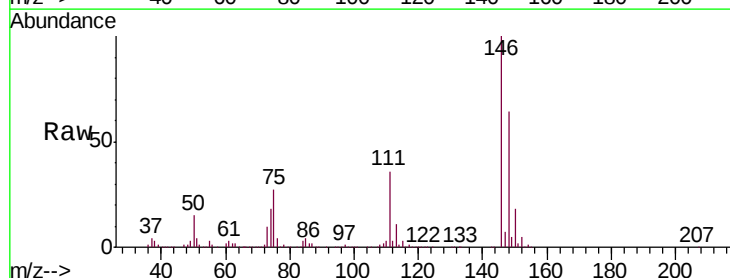
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

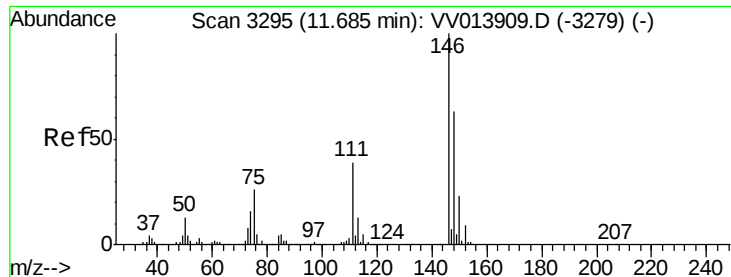
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	25.8	48.0
148	64.4	45.2	84.0



#63
 1,4-Dichlorobenzene
 Concen: 46.746 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013930.D
 Acq: 05 Dec 2019 21:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	25.4	47.2
148	64.4	44.9	83.5

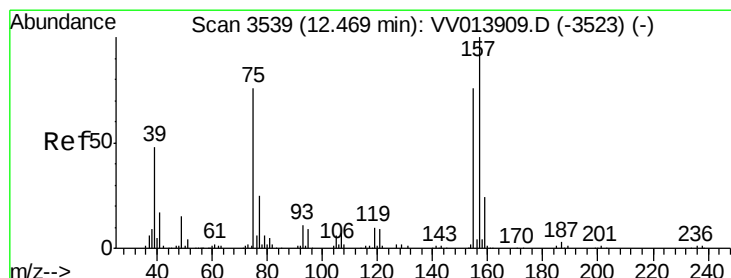
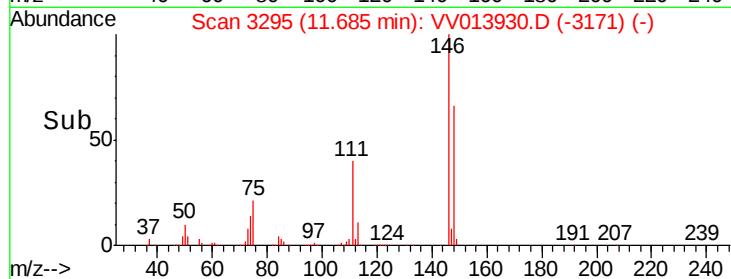
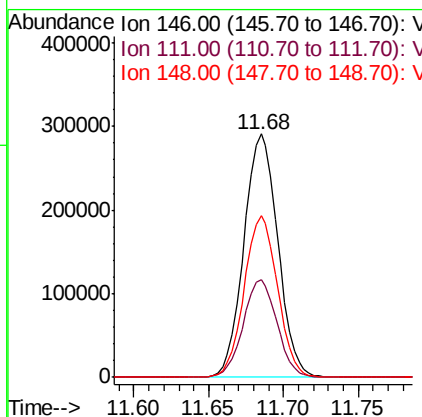
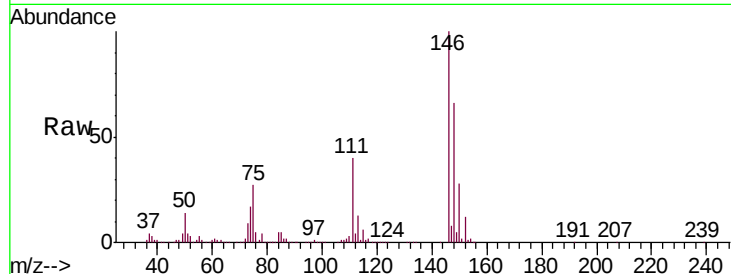




#65
 1,2-Dichlorobenzene
 Concen: 48.503 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013930.D
 Acq: 05 Dec 2019 21:17

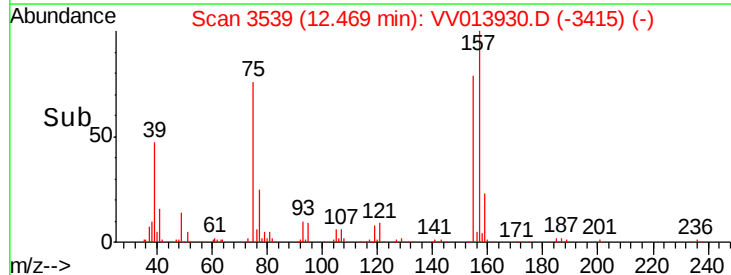
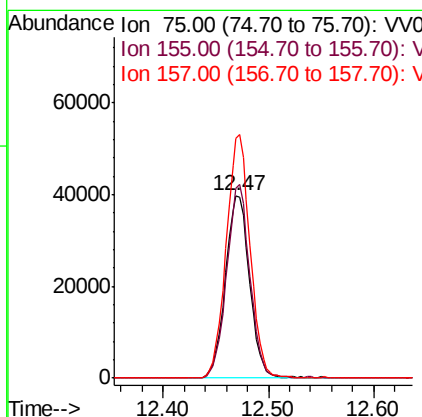
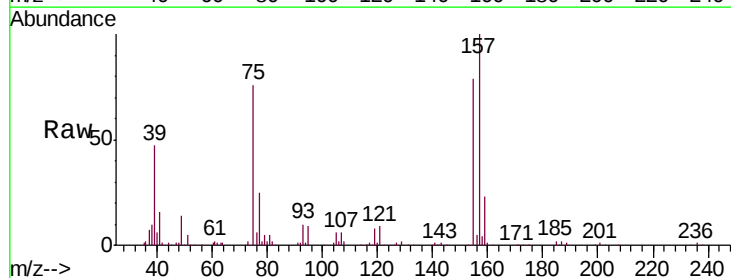
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

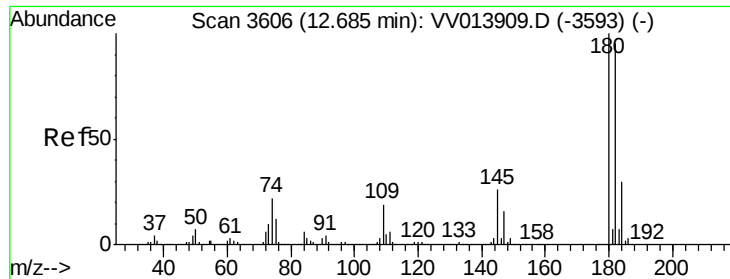
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	31.4	47.0
148	66.5	51.5	77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.725 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV013930.D
 Acq: 05 Dec 2019 21:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.3	78.6	117.8
157	131.2	102.6	153.8

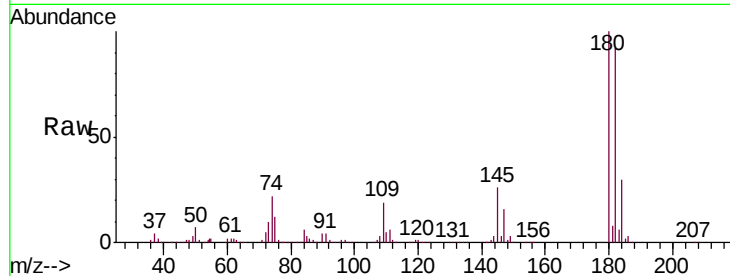




#67
 1,3,5-Trichlorobenzene
 Concen: 43.787 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013930.D
 Acq: 05 Dec 2019 21:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.2	114.4
184	30.6	24.2	36.4
145	26.1	21.1	31.7



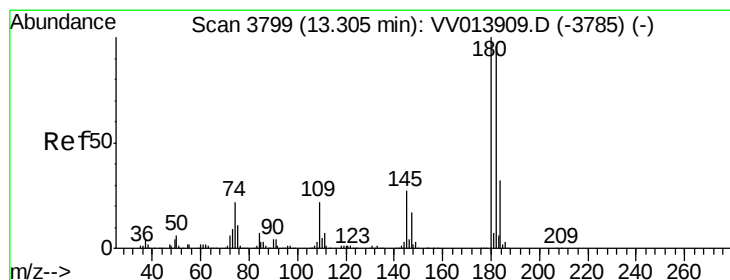
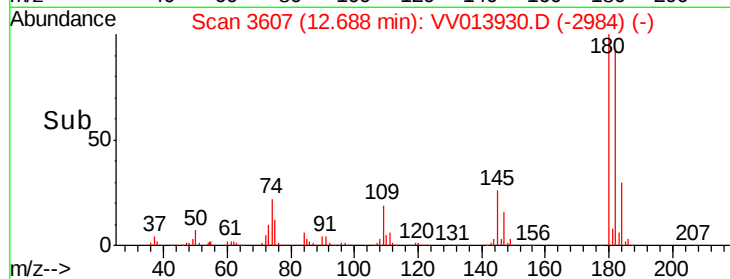
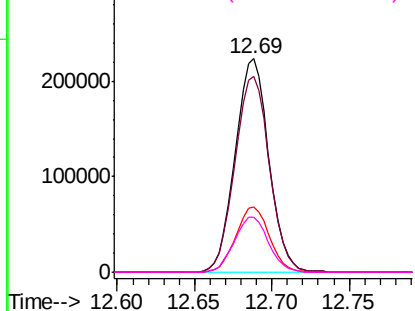
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

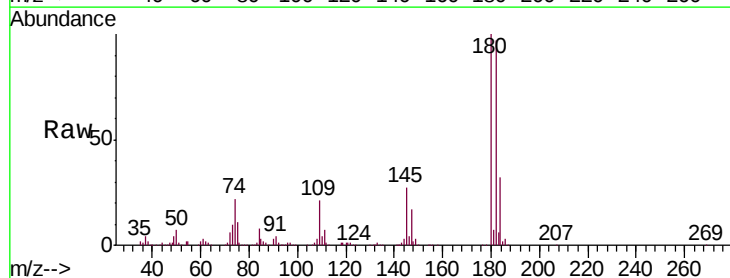
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 37.226 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013930.D
 Acq: 05 Dec 2019 21:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
145	27.6	21.9	32.9

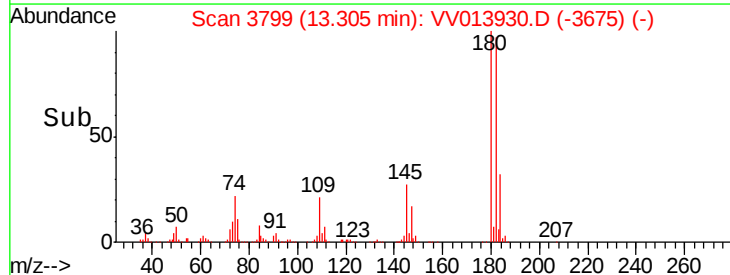
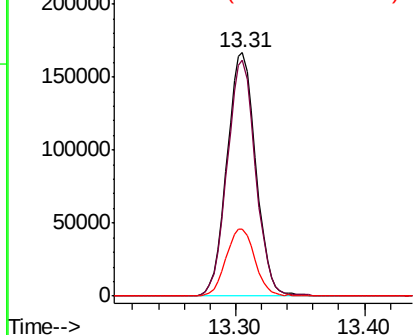


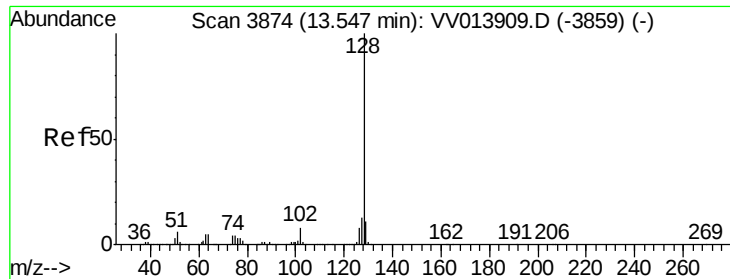
Abundance

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: 25.100 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

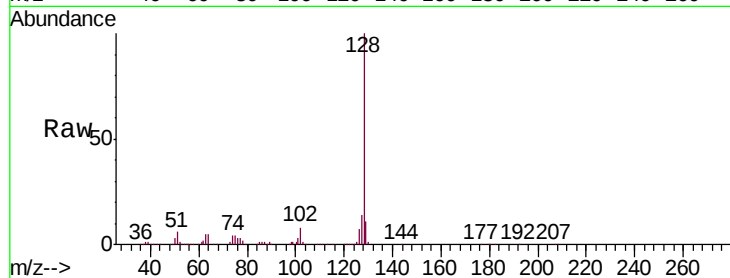
Tgt Ion:128 Resp: 457565

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

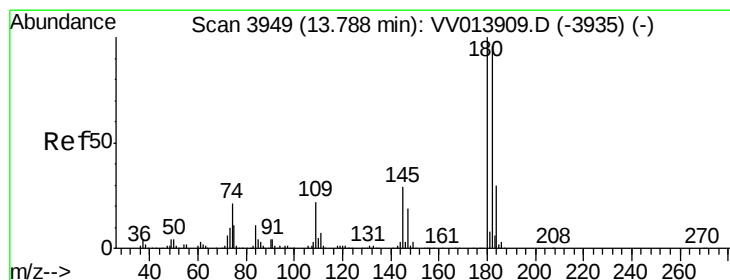
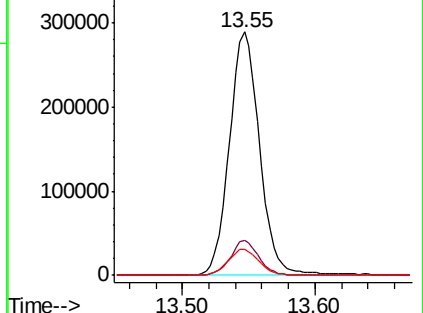
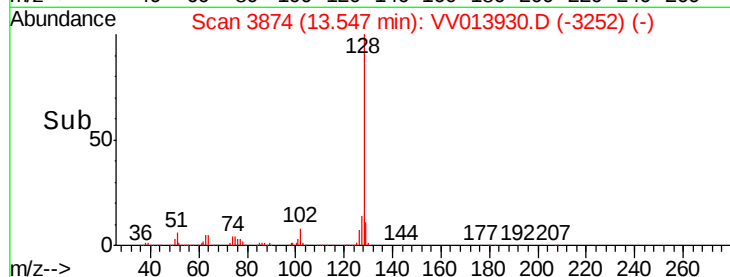
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 38.787 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013930.D

Acq: 05 Dec 2019 21:17

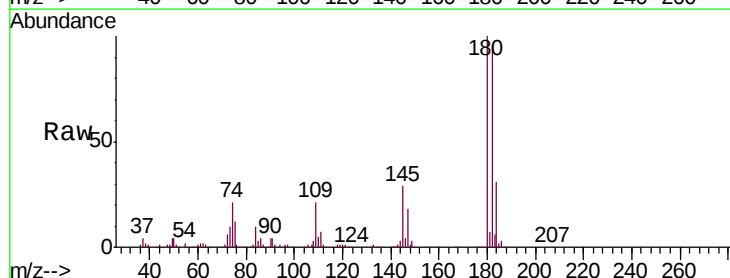
Tgt Ion:180 Resp: 281627

Ion Ratio Lower Upper

180 100

182 97.1 77.0 115.4

145 29.7 22.6 34.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

