

Data File : VV012677.D
Acq On : 11 Sep 2019 19:21
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Quant Time: Sep 12 07:20:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 12 07:16:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	425116	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	417088	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	211659	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	150346	5.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.20%
7) Chloroethane-d5	1.58	69	123691	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.13	63	258428	5.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.00%
20) 2-Butanone-d5	3.96	46	353027	50.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.74%
24) Chloroform-d	4.40	84	268847	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.08	65	125267	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.09	84	530984	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	6.11	67	162773	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.36	98	493502	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.60%
43) trans-1,3-Dichloropropene-	7.66	79	55207	5.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.40%
46) 2-Hexanone-d5	8.14	63	196316	47.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.32%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	110093	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	173704	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	174914	4.879 ug/L	99
3) Chloromethane	1.25	50	175942	4.861 ug/L	99
5) Vinyl chloride	1.32	62	184016	4.981 ug/L	99
6) Bromomethane	1.53	94	102515	5.062 ug/L	99
8) Chloroethane	1.60	64	109813	5.027 ug/L	98
9) Trichlorofluoromethane	1.77	101	243086	5.245 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	145230	5.238 ug/L	99
12) 1,1-Dichloroethene	2.14	96	133041	5.038 ug/L	95
13) Acetone	2.22	43	218820	53.798 ug/L	99
14) Carbon disulfide	2.32	76	346176	4.874 ug/L	100
15) Methyl Acetate	2.47	43	56193	5.135 ug/L	100
16) Methylene chloride	2.53	84	143313	4.440 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	318922	5.148 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	147739	4.976 ug/L	96
19) 1,1-Dichloroethane	3.23	63	289924	5.187 ug/L	99
21) 2-Butanone	4.04	43	380405	54.537 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	165385	5.128 ug/L	94

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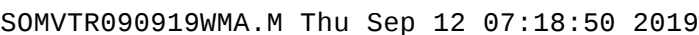
Instrument :
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ClientSampleId :
VSTD00551

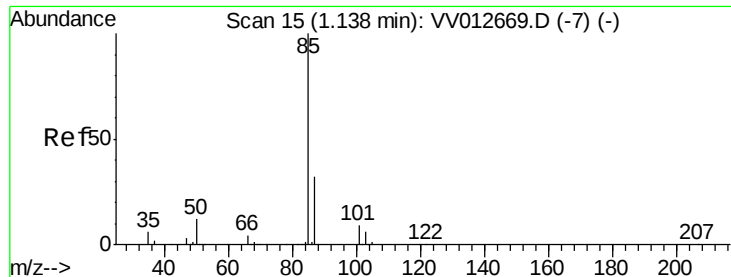
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	67241	4.878	ug/L	94
25) Chloroform	4.42	83	296871	4.823	ug/L	100
27) 1,2-Dichloroethane	5.18	62	167455	5.189	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	231382	5.040	ug/L	100
30) Cyclohexane	4.72	56	234152	5.123	ug/L	99
31) Carbon tetrachloride	4.87	117	204037	5.046	ug/L	99
33) Benzene	5.14	78	636402	5.221	ug/L	100
34) Trichloroethene	5.96	95	167504	4.973	ug/L	99
35) Methylcyclohexane	6.17	83	247081	5.190	ug/L	99
37) 1,2-Dichloropropane	6.22	63	160098	5.273	ug/L	99
38) Bromodichloromethane	6.55	83	194956	4.958	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	209658	5.263	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	898523	53.384	ug/L	99
42) Toluene	7.43	91	678014	5.354	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	156667	5.216	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	107091	5.064	ug/L	96
47) Tetrachloroethene	8.02	164	134995	5.105	ug/L	99
48) 2-Hexanone	8.19	43	677008	56.214	ug/L	99
49) Dibromochloromethane	8.29	129	125217	4.978	ug/L	99
50) 1,2-Dibromoethane	8.40	107	94392	5.037	ug/L	98
51) Chlorobenzene	8.92	112	429930	5.164	ug/L	99
52) Ethylbenzene	9.05	91	708792	5.204	ug/L	100
53) m,p-xylene	9.18	106	273380	5.309	ug/L	97
54) o-xylene	9.59	106	261687	5.307	ug/L	98
55) Styrene	9.60	104	448979	5.475	ug/L	100
56) Isopropylbenzene	9.97	105	703914	5.389	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	104606	4.962	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	90486	5.052	ug/L	98
61) Bromoform	9.77	173	67236	4.765	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	337472	5.147	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	341607	5.161	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	315159	5.105	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	14758	4.587	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	252727	5.089	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	195651	4.976	ug/L	98
69) Naphthalene	13.55	128	290809	4.893	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	194232	5.239	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 4.879 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012677.D

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Instrument :

MSVOA_V

ClientSampleId :

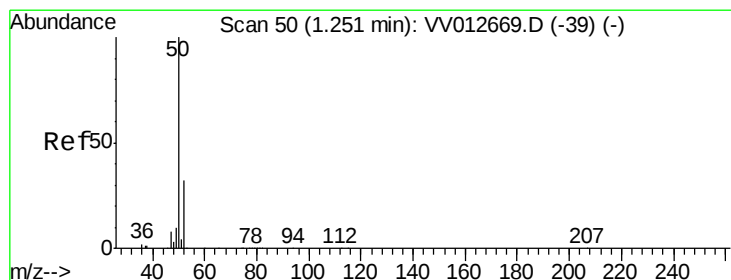
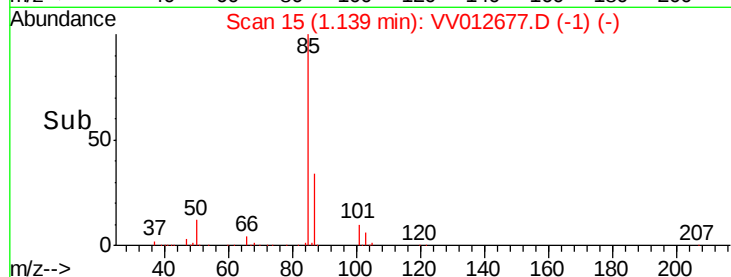
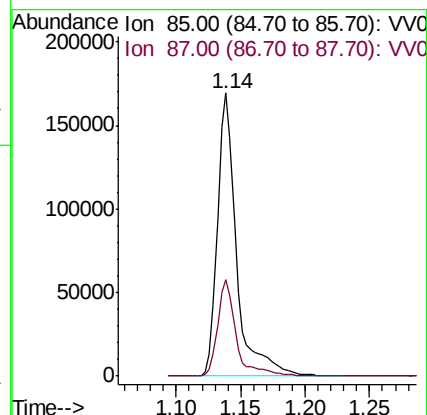
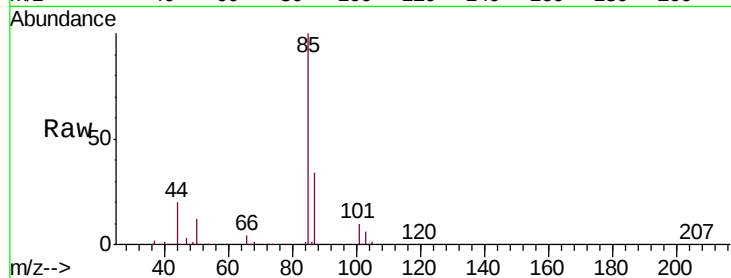
VSTD00551

Tgt Ion: 85 Resp: 174914

Ion Ratio Lower Upper

85 100

87 32.8 25.8 38.8



#3

Chloromethane

Concen: 4.861 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012677.D

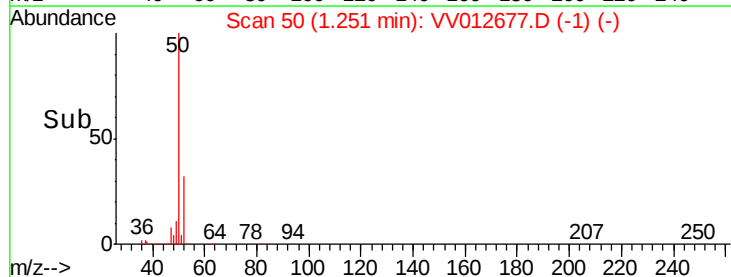
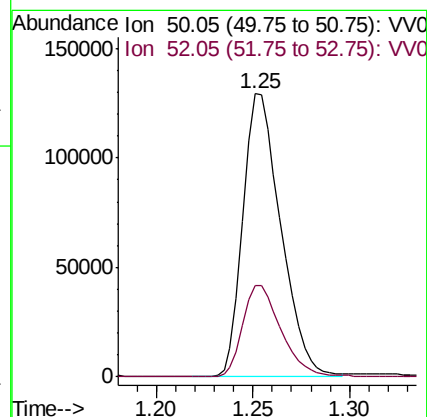
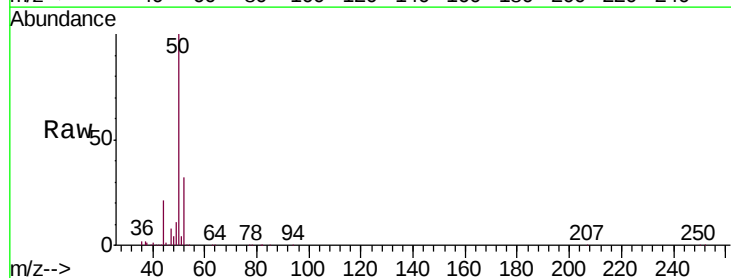
Acq: 11 Sep 2019 19:21

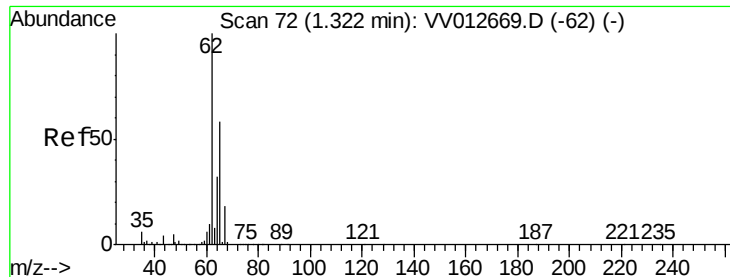
Tgt Ion: 50 Resp: 175942

Ion Ratio Lower Upper

50 100

52 32.4 22.9 42.5





#5

Vinyl chloride

Concen: 4.981 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

Instrument :

MSVOA_V

ClientSampleId :

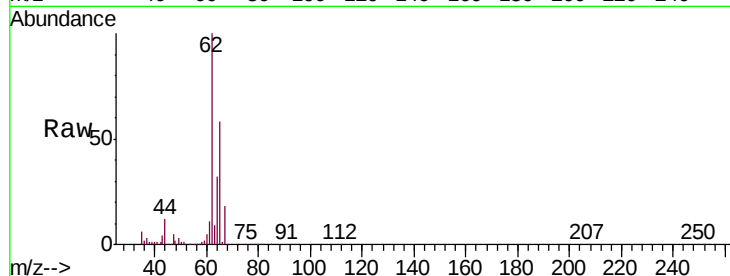
VSTD00551

Tgt Ion: 62 Resp: 184016

Ion Ratio Lower Upper

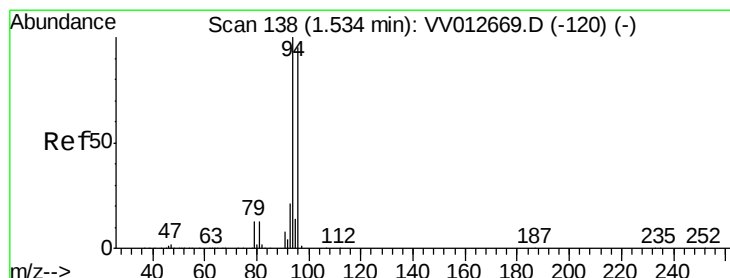
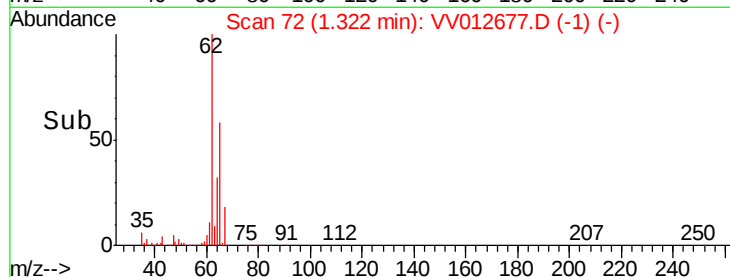
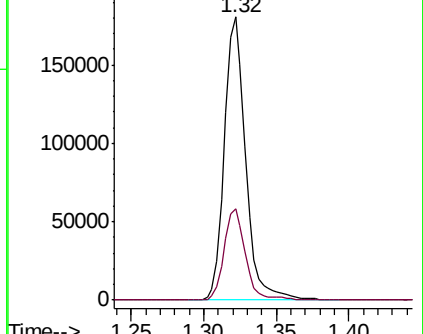
62 100

64 32.1 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV012669.D

Ion 64.10 (63.80 to 64.80): VV012677.D



#6

Bromomethane

Concen: 5.062 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012677.D

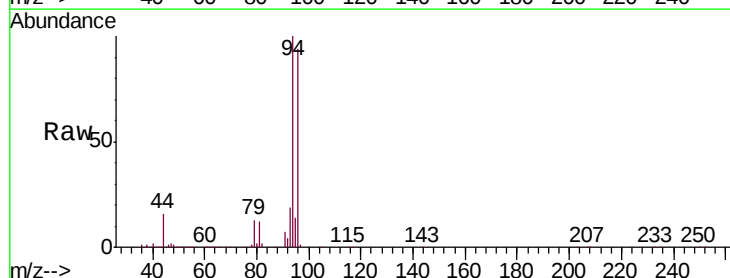
Acq: 11 Sep 2019 19:21

Tgt Ion: 94 Resp: 102515

Ion Ratio Lower Upper

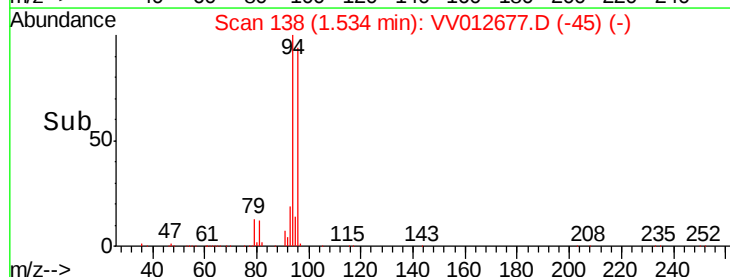
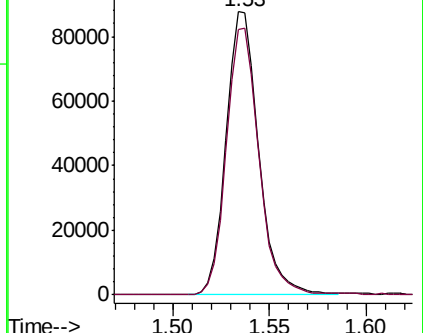
94 100

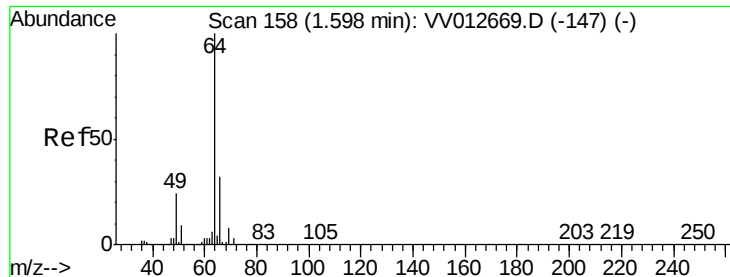
96 93.7 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VV012669.D

Ion 96.00 (95.70 to 96.70): VV012677.D





#8

Chloroethane

Concen: 5.027 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

Instrument :

MSVOA_V

ClientSampleId :

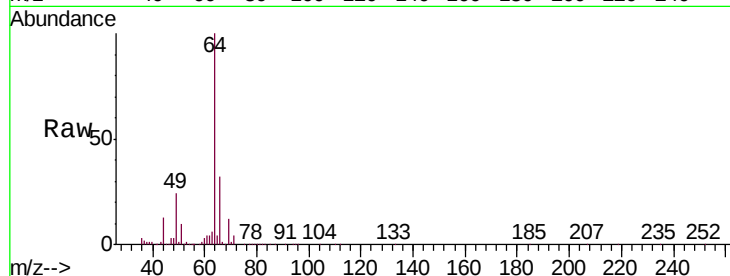
VSTD00551

Tgt Ion: 64 Resp: 109813

Ion Ratio Lower Upper

64 100

66 31.9 21.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VV012669.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV012669.D (-147) (-)

1.60

100000

80000

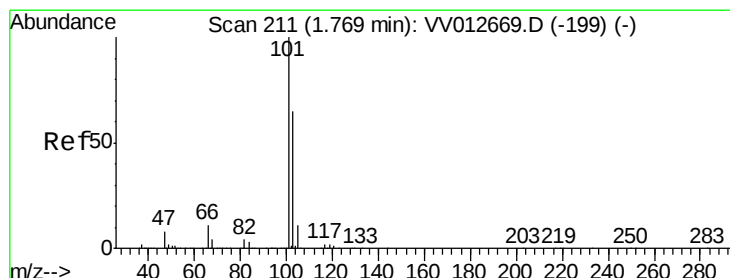
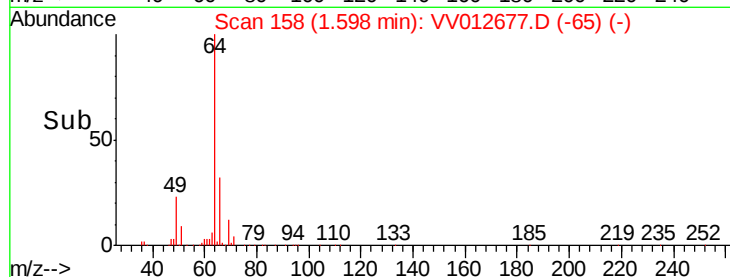
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.245 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012677.D

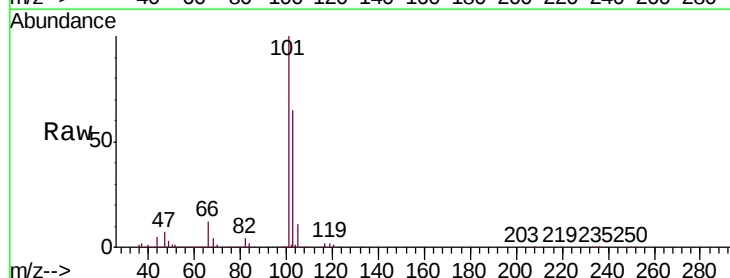
Acq: 11 Sep 2019 19:21

Tgt Ion: 101 Resp: 243086

Ion Ratio Lower Upper

101 100

103 64.6 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): VV012669.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV012669.D (-199) (-)

1.77

200000

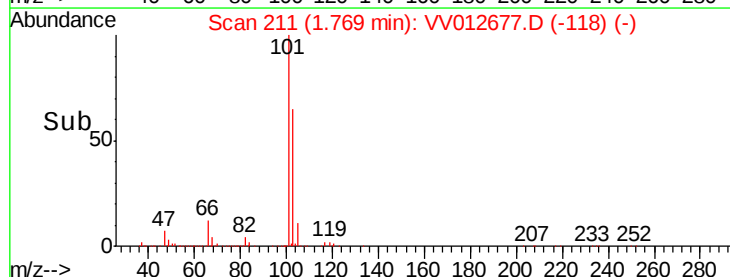
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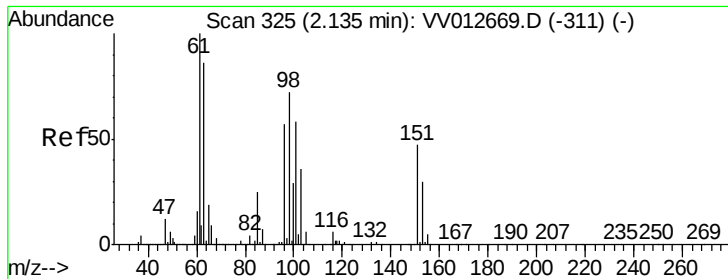
100000

50000

0

Time-->





#10

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

Concen: 5.238 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

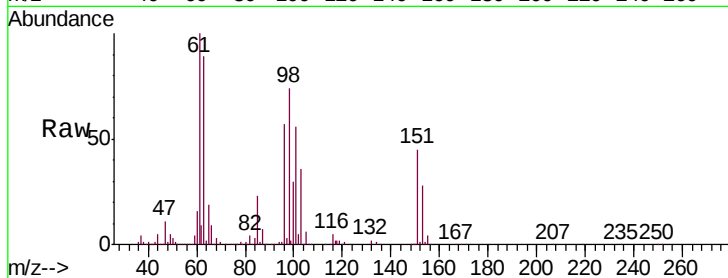
Tgt Ion: 101 Resp: 145230

Ion Ratio Lower Upper

101 100

85 41.8 33.0 49.6

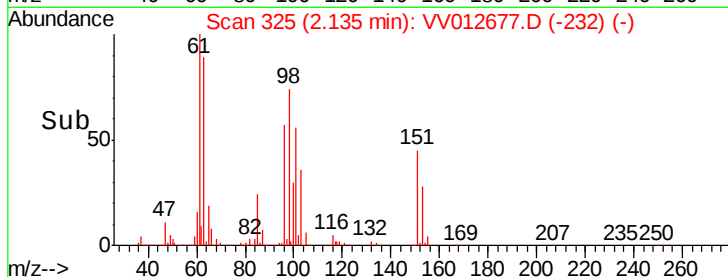
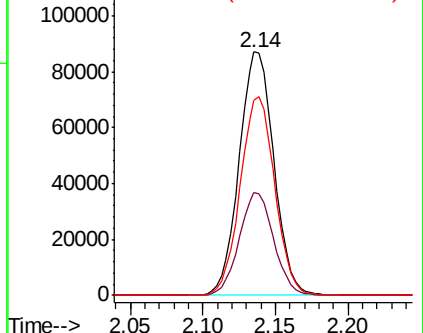
151 81.2 65.8 98.8



Abundance Ion 101.00 (100.70 to 101.70): VV012669.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV012669.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV012669.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 5.038 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

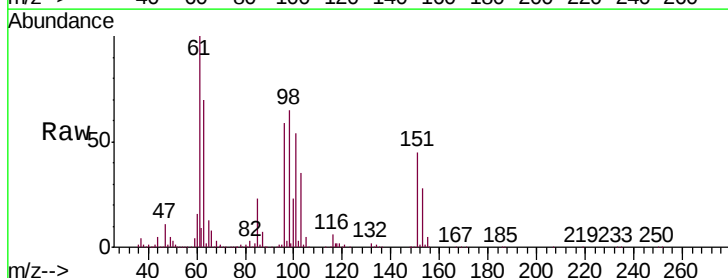
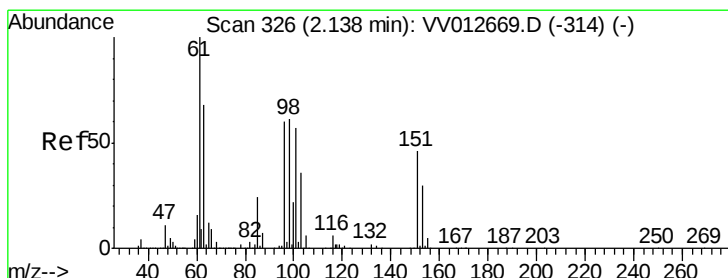
Tgt Ion: 96 Resp: 133041

Ion Ratio Lower Upper

96 100

61 170.8 115.8 215.0

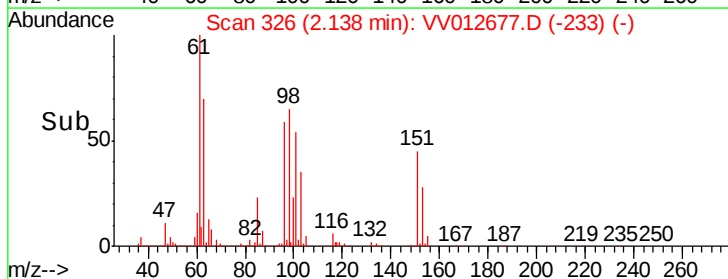
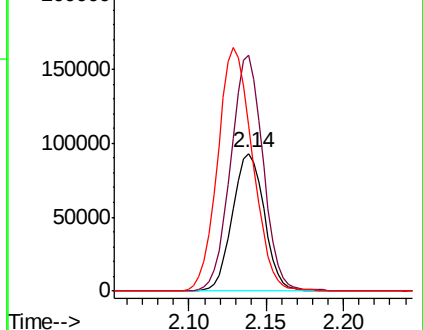
63 119.9 79.4 147.4

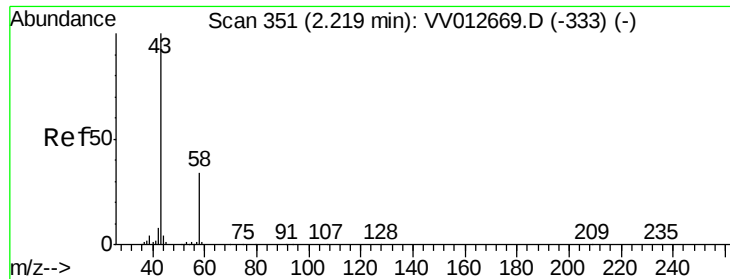


Abundance Ion 96.00 (95.70 to 96.70): VV012669.D (-314) (-)

Ion 61.05 (60.75 to 61.75): VV012669.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV012669.D (-314) (-)





#13

Acetone

Concen: 53.798 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

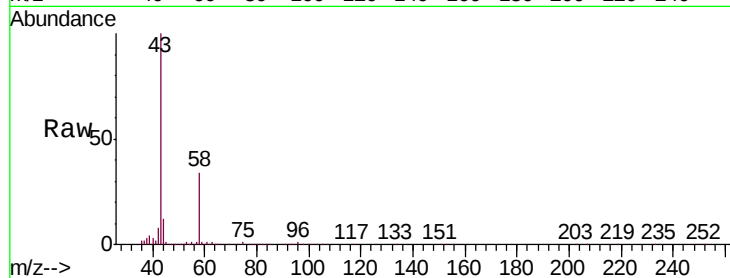
VSTD00551

Tgt Ion: 43 Resp: 218820

Ion Ratio Lower Upper

43 100

58 34.1 0.0 67.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.22

80000

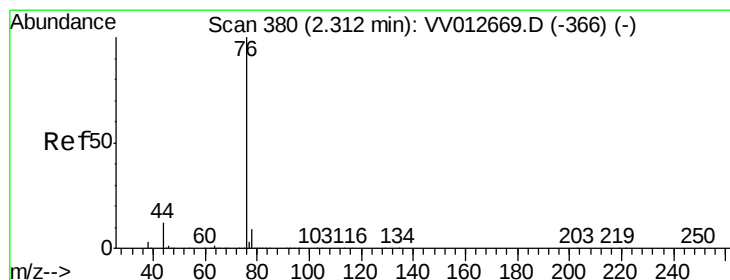
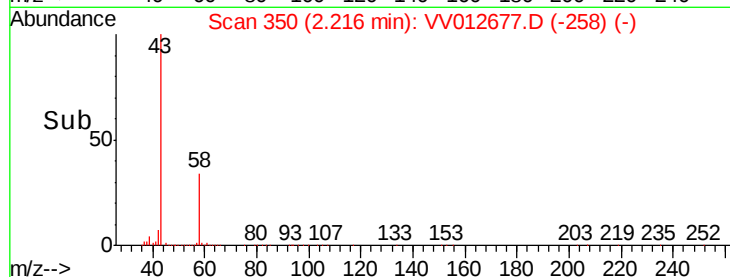
60000

40000

20000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 4.874 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012677.D

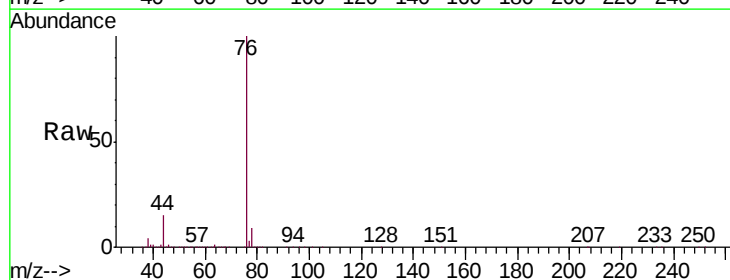
Acq: 11 Sep 2019 19:21

Tgt Ion: 76 Resp: 346176

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

250000

200000

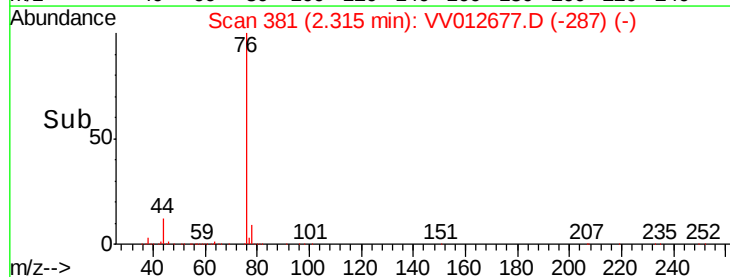
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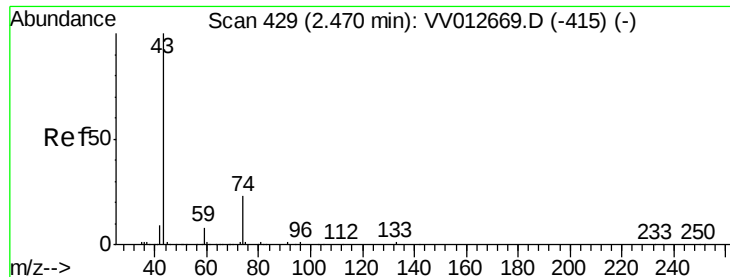
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50000

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Time--> 2.20 2.25 2.30 2.35 2.40

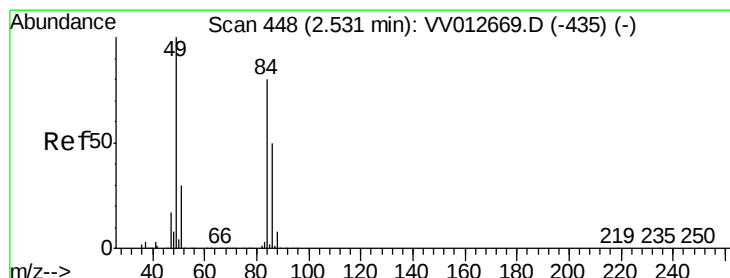
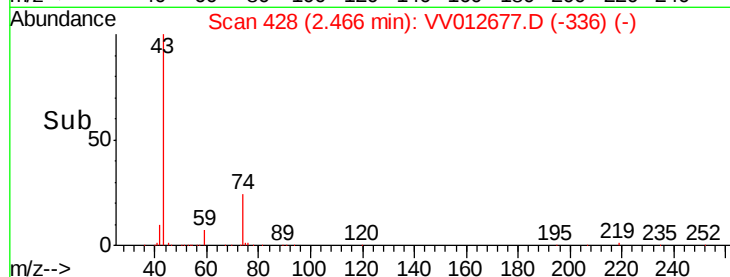
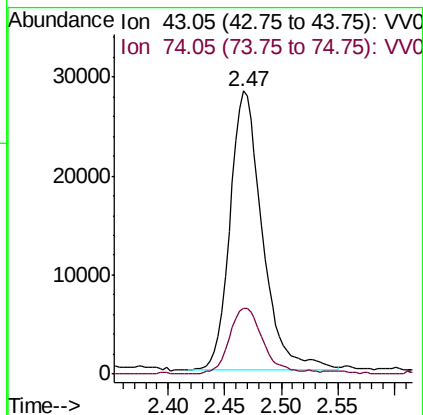
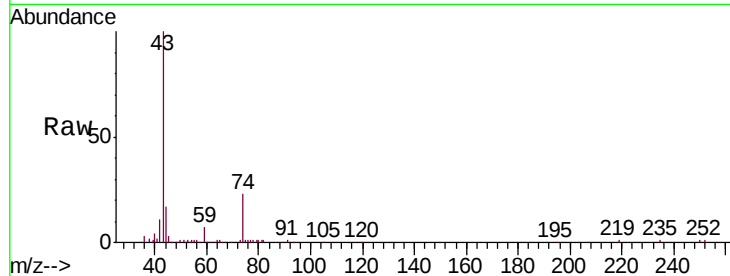




#15
Methyl Acetate
Concen: 5.135 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV012677.D
Acq: 11 Sep 2019 19:21

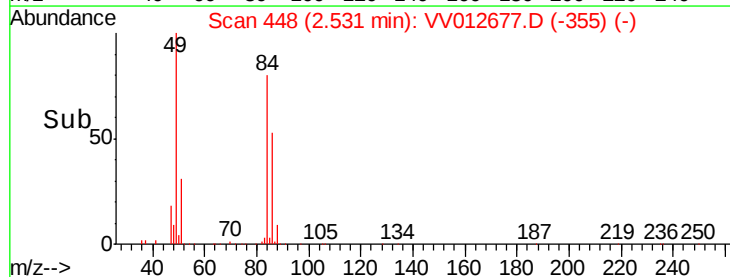
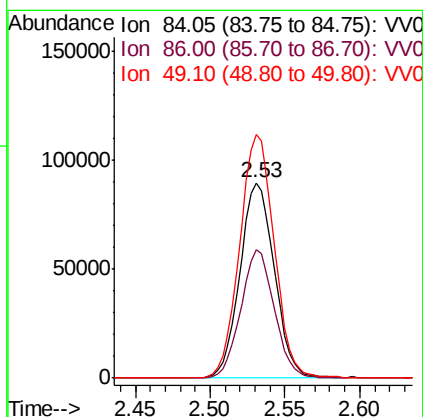
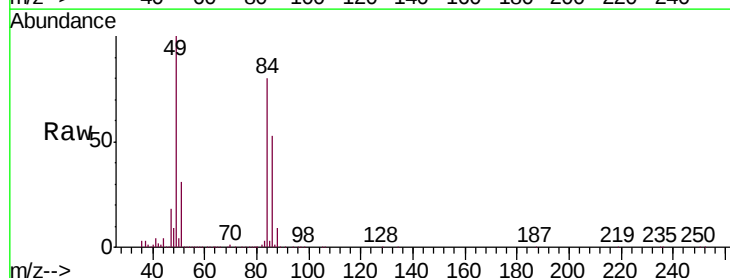
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

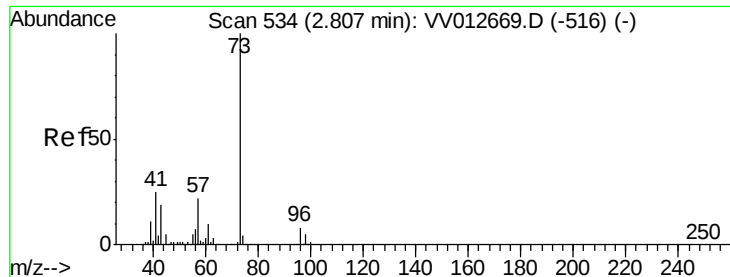
Tgt Ion: 43 Resp: 56193
Ion Ratio Lower Upper
43 100
74 24.6 19.8 29.6



#16
Methylene chloride
Concen: 4.440 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV012677.D
Acq: 11 Sep 2019 19:21

Tgt Ion: 84 Resp: 143313
Ion Ratio Lower Upper
84 100
86 65.7 46.1 85.7
49 124.9 85.3 158.3

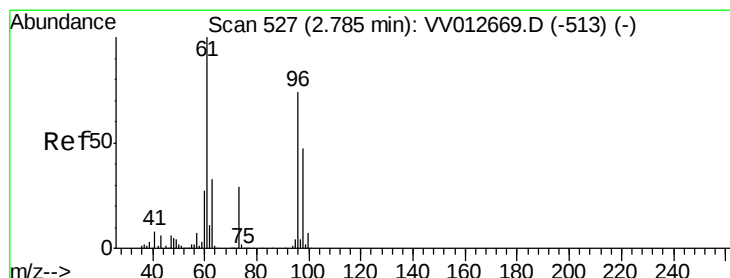
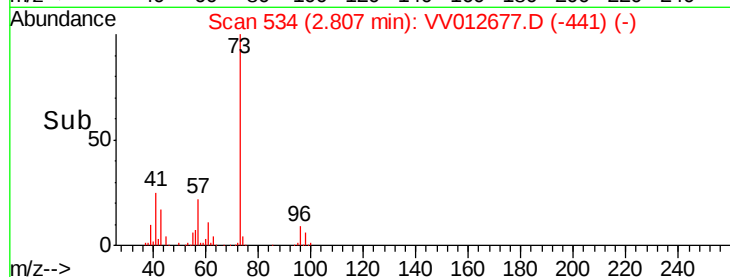
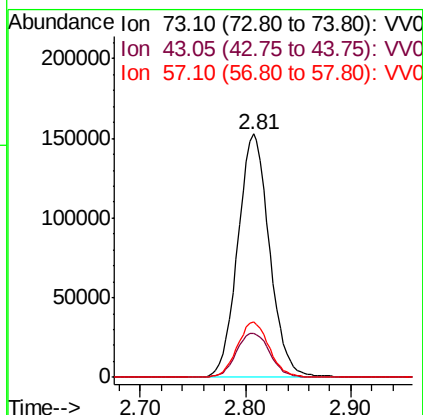
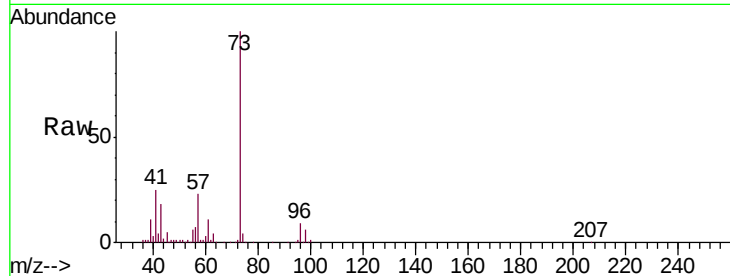




#17
Methyl tert-butyl Ether
Concen: 5.148 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012677.D
Acq: 11 Sep 2019 19:21

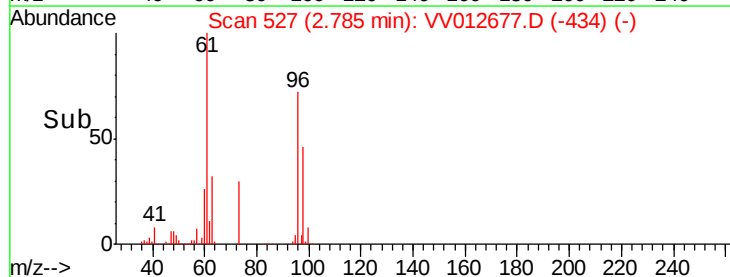
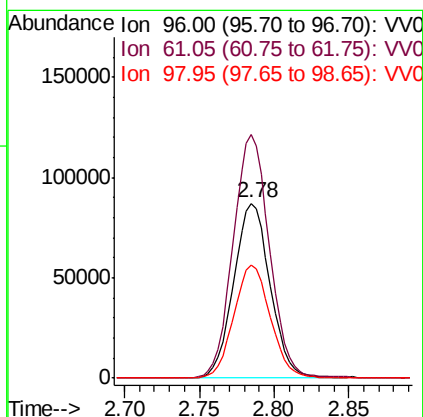
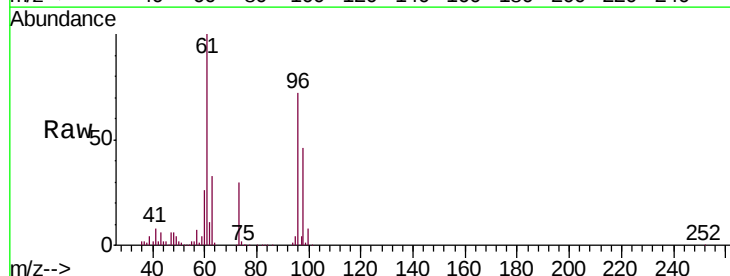
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

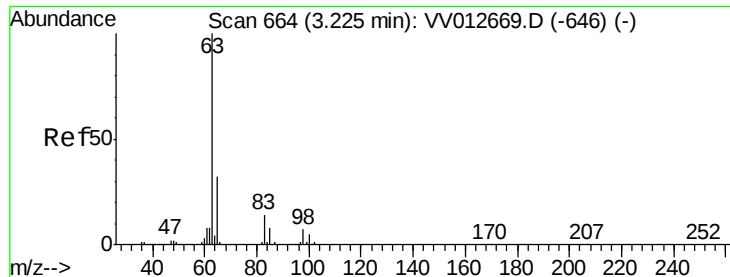
Tgt Ion: 73 Resp: 318922
Ion Ratio Lower Upper
73 100
43 18.7 14.6 21.8
57 22.9 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 4.976 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV012677.D
Acq: 11 Sep 2019 19:21

Tgt Ion: 96 Resp: 147739
Ion Ratio Lower Upper
96 100
61 139.4 93.0 172.8
98 64.4 44.7 83.1

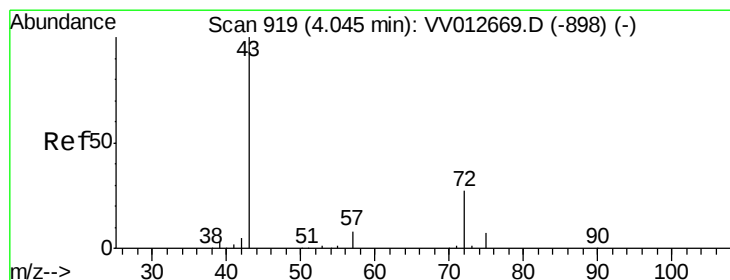
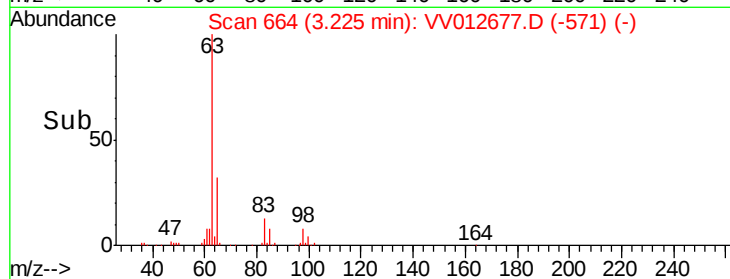
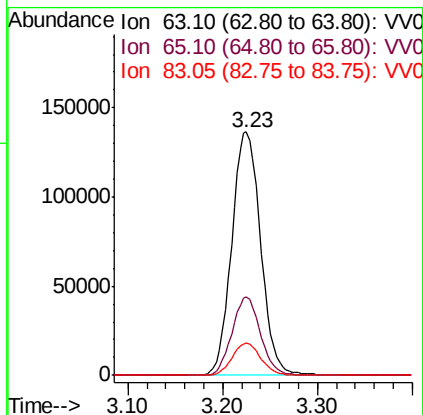
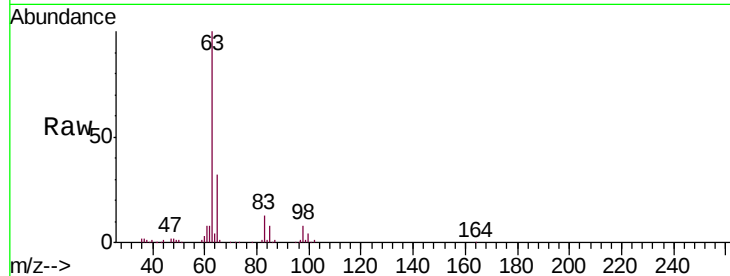




#19
 1,1-Dichloroethane
 Concen: 5.187 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012677.D
 Acq: 11 Sep 2019 19:21

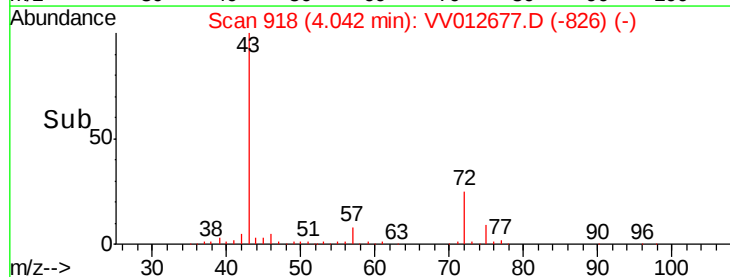
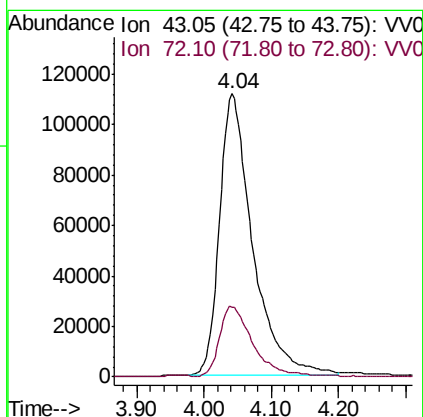
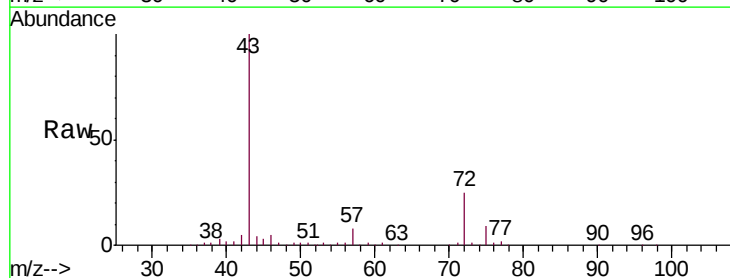
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

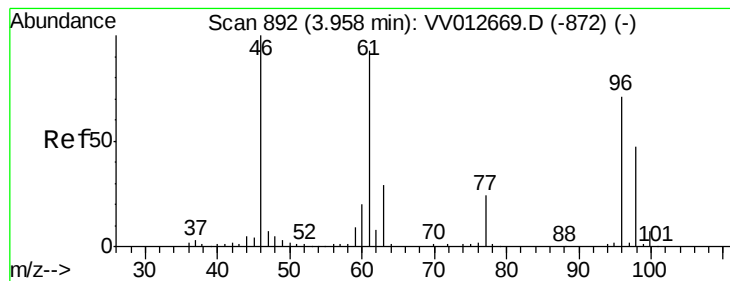
Tgt Ion: 63 Resp: 289924
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.7 42.3
 83 13.2 9.1 16.9



#21
 2-Butanone
 Concen: 54.537 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VV012677.D
 Acq: 11 Sep 2019 19:21

Tgt Ion: 43 Resp: 380405
 Ion Ratio Lower Upper
 43 100
 72 24.7 13.0 38.9



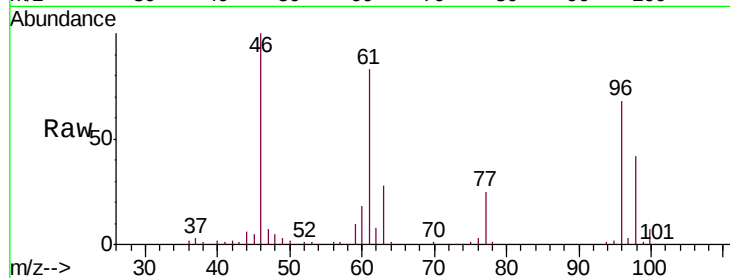


#22

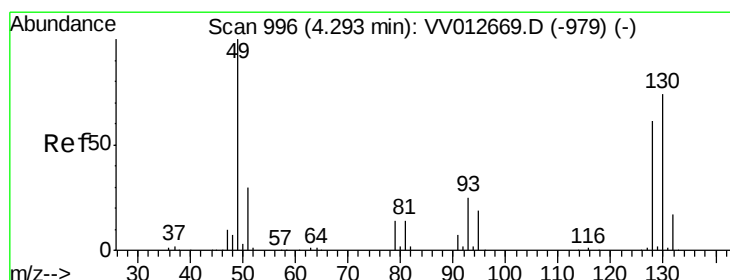
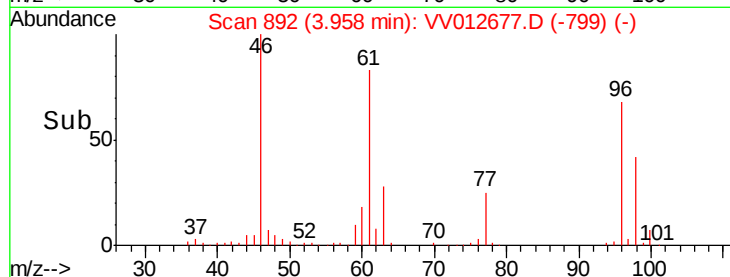
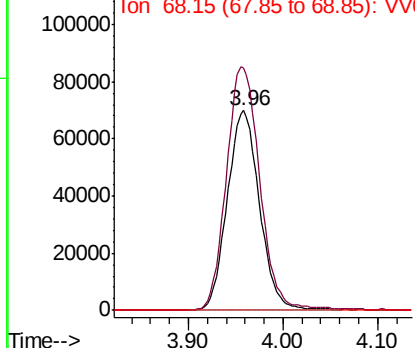
cis-1,2-Dichloroethene
Concen: 5.128 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV012677.D
Acq: 11 Sep 2019 19:21

Instrument :
MSVOA_V
ClientSampled :
VSTD00551

Tgt Ion: 96 Resp: 165385
Ion Ratio Lower Upper
96 100
61 121.7 89.7 166.5
68 0.0 0.0 0.0



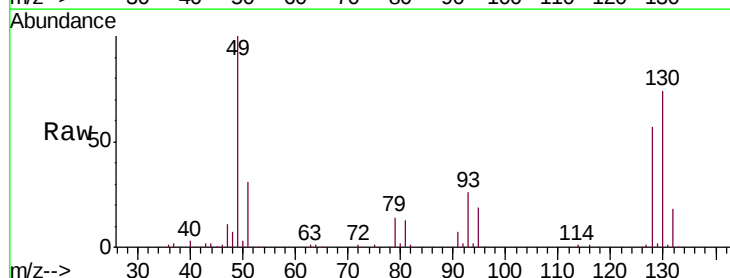
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



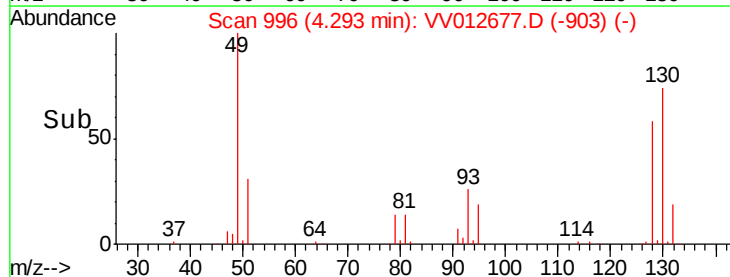
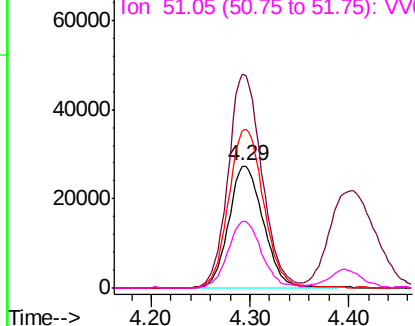
#23

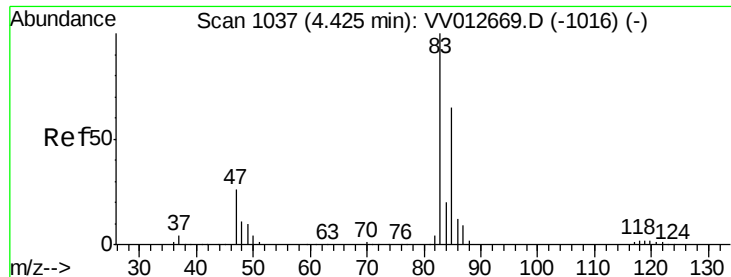
Bromochloromethane
Concen: 4.878 ug/L
RT: 4.29 min Scan# 996
Delta R.T. 0.00 min
Lab File: VV012677.D
Acq: 11 Sep 2019 19:21

Tgt Ion: 128 Resp: 67241
Ion Ratio Lower Upper
128 100
49 174.9 115.2 214.0
130 128.8 92.9 172.5
51 54.6 40.8 61.2



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

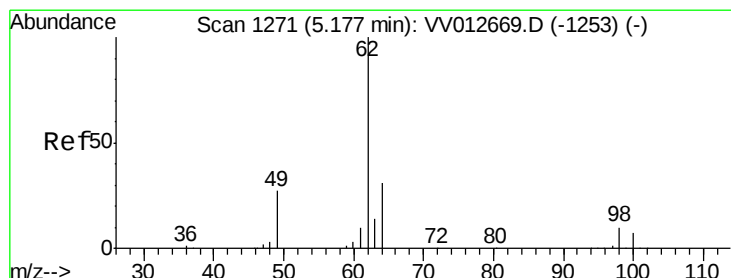
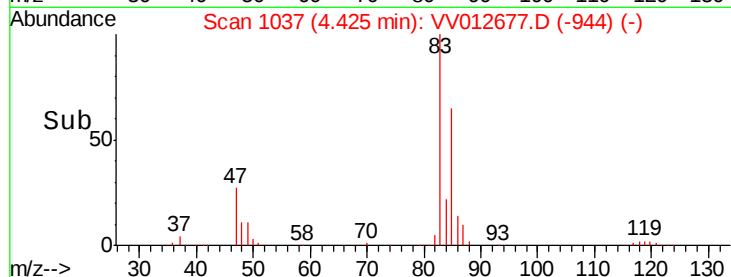
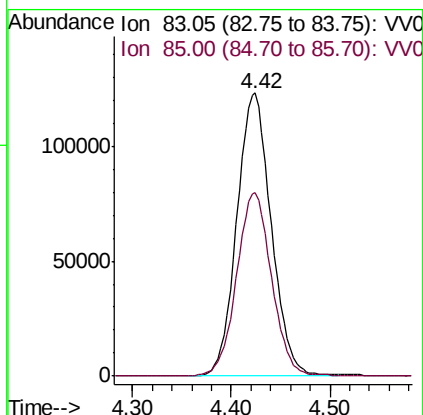
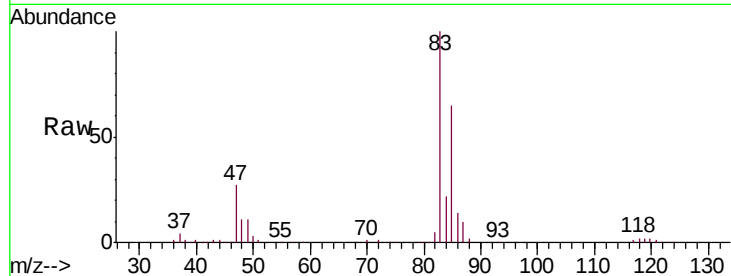




#25
Chloroform
Concen: 4.823 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012677.D
Acq: 11 Sep 2019 19:21

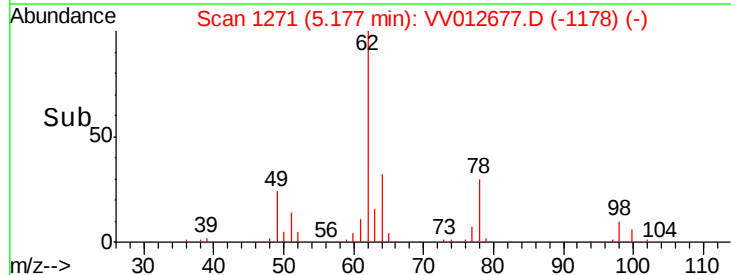
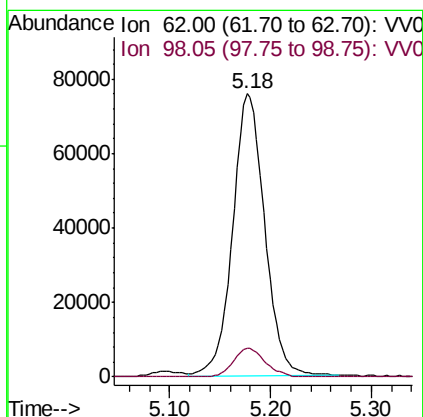
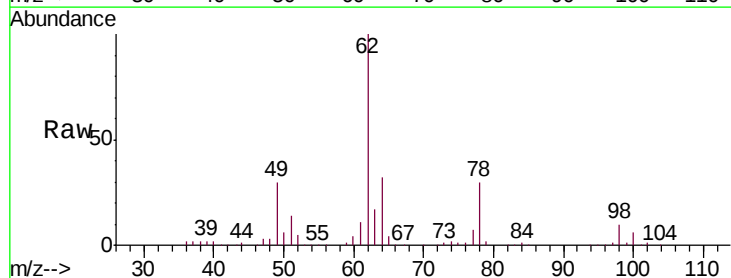
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

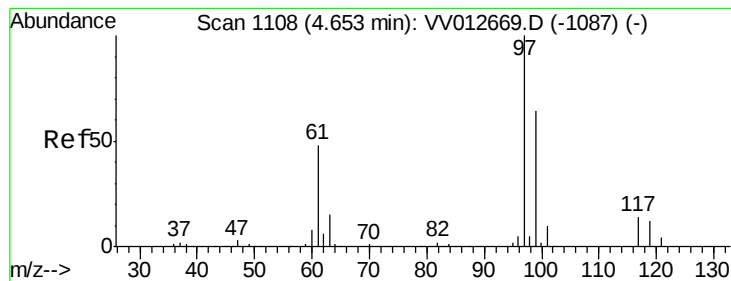
Tgt Ion: 83 Resp: 296871
Ion Ratio Lower Upper
83 100
85 64.7 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.189 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV012677.D
Acq: 11 Sep 2019 19:21

Tgt Ion: 62 Resp: 167455
Ion Ratio Lower Upper
62 100
98 10.3 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 5.040 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

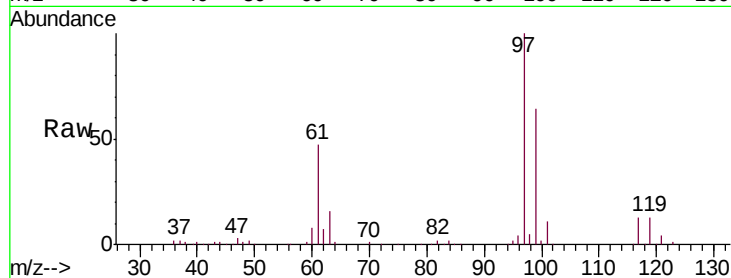
Tgt Ion: 97 Resp: 231382

Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

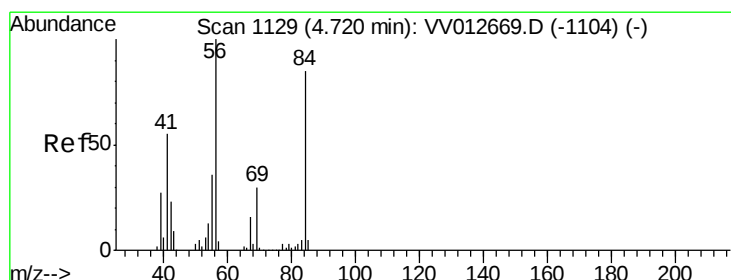
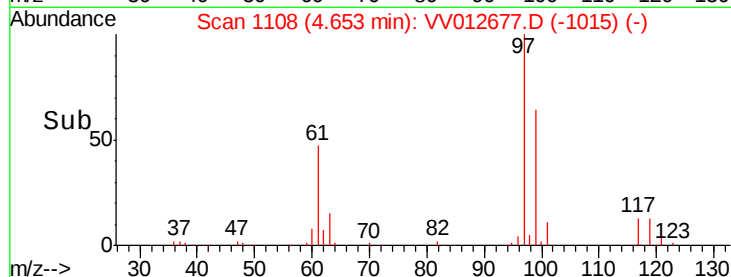
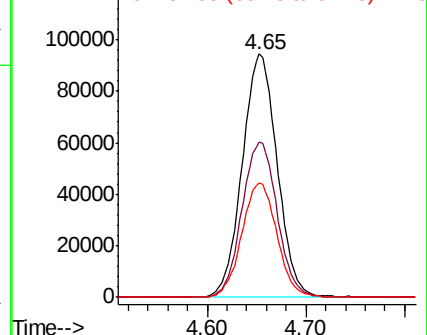
61 47.3 37.5 56.3



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.123 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

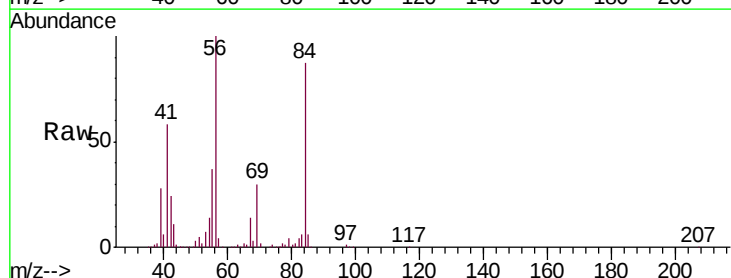
Tgt Ion: 56 Resp: 234152

Ion Ratio Lower Upper

56 100

69 30.8 23.8 35.8

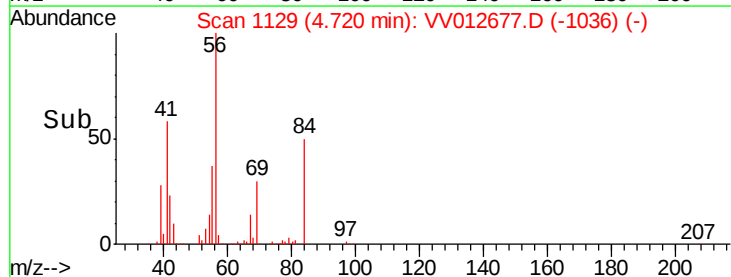
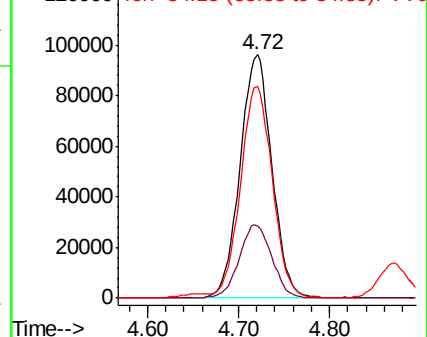
84 86.6 70.1 105.1

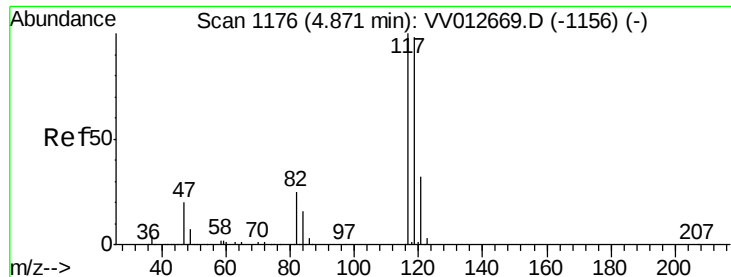


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0

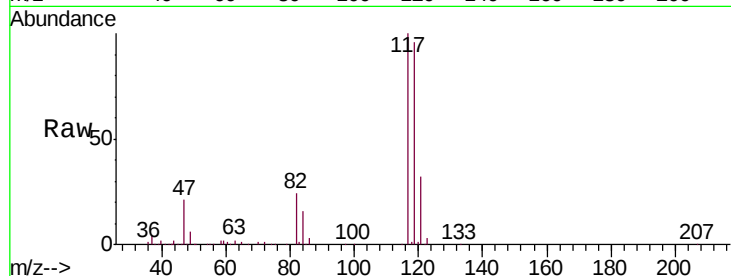




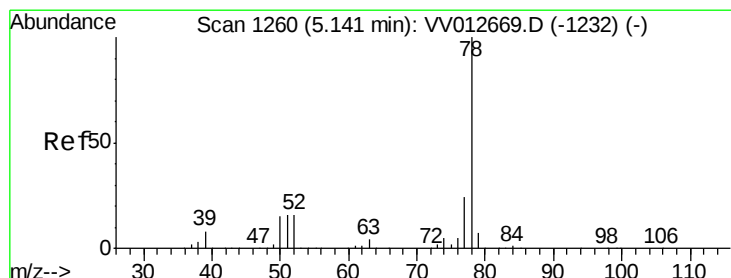
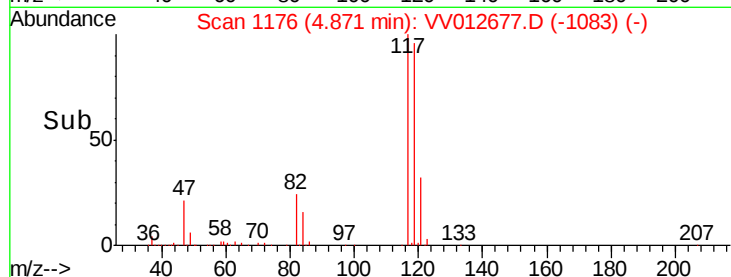
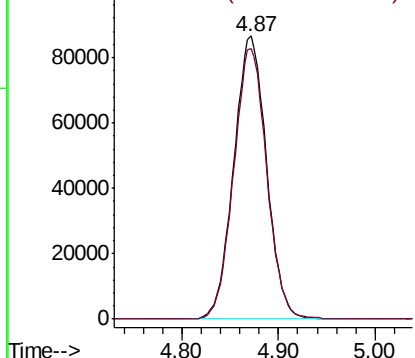
#31
Carbon tetrachloride
Concen: 5.046 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV012677.D
Acq: 11 Sep 2019 19:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Tgt Ion:117 Resp: 204037
Ion Ratio Lower Upper
117 100
119 96.2 77.7 116.5

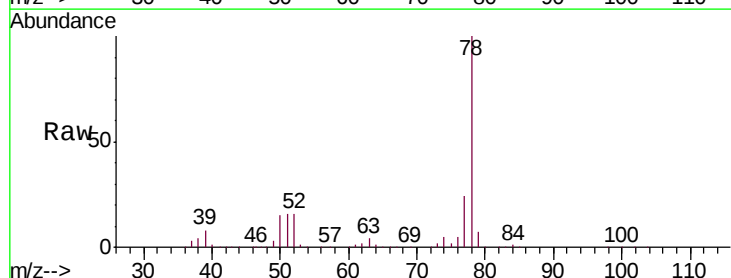


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

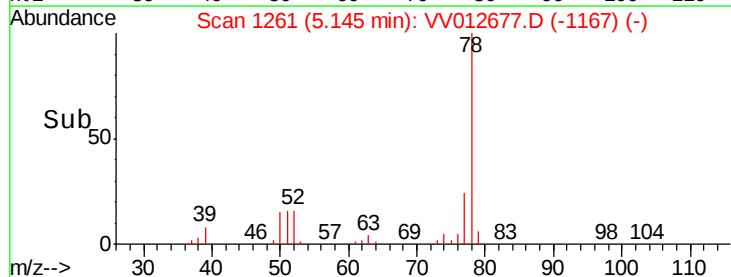
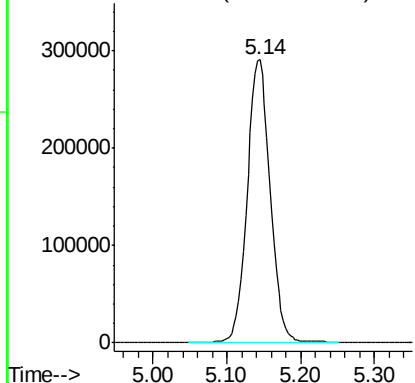


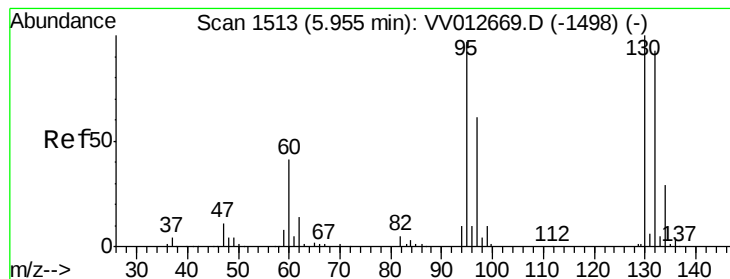
#33
Benzene
Concen: 5.221 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012677.D
Acq: 11 Sep 2019 19:21

Tgt Ion: 78 Resp: 636402



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.973 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

Tgt Ion: 95 Resp: 167504

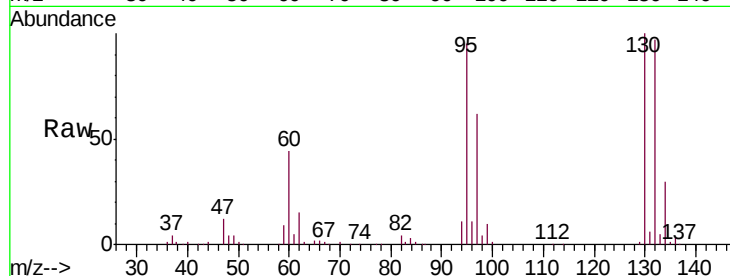
Ion Ratio Lower Upper

95 100

97 65.4 45.4 84.2

132 101.5 70.2 130.4

130 104.8 74.2 137.8

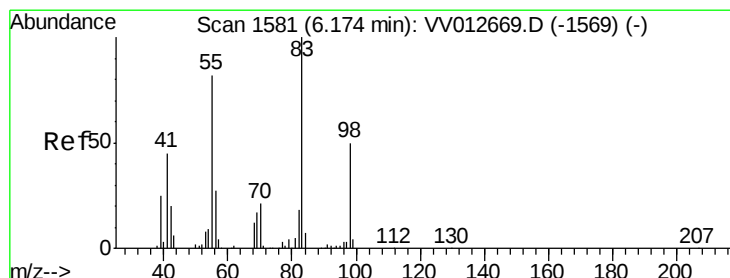
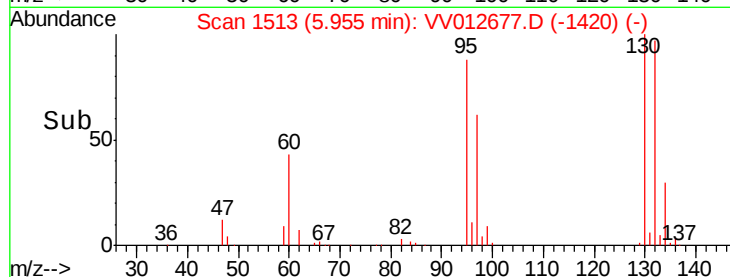
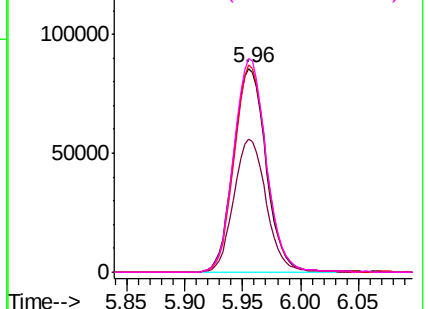


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.190 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

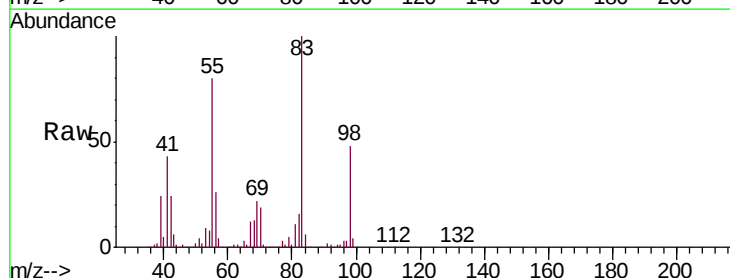
Tgt Ion: 83 Resp: 247081

Ion Ratio Lower Upper

83 100

55 78.4 63.0 94.4

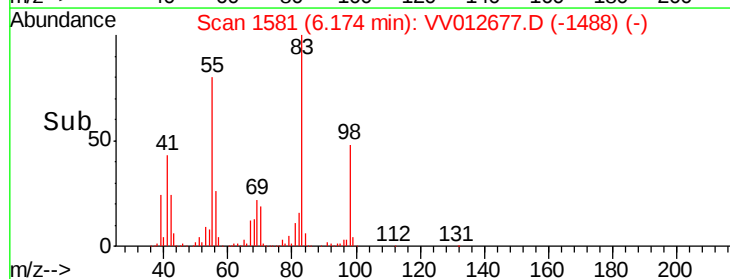
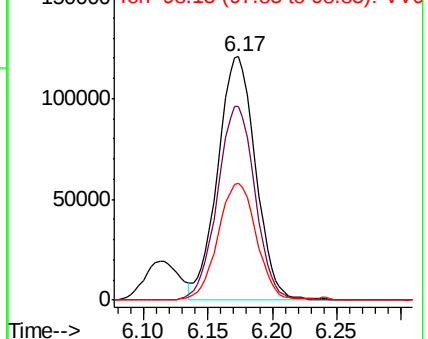
98 47.7 39.8 59.8

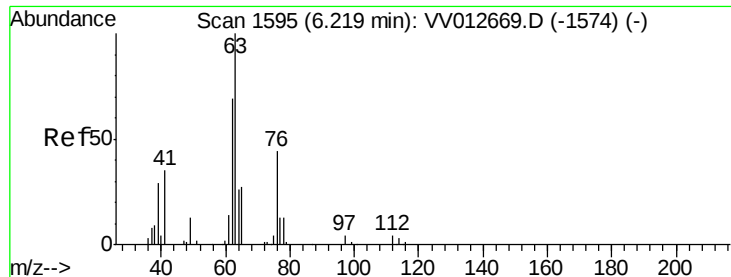


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

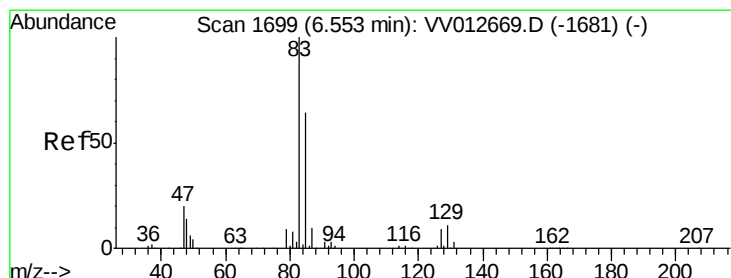
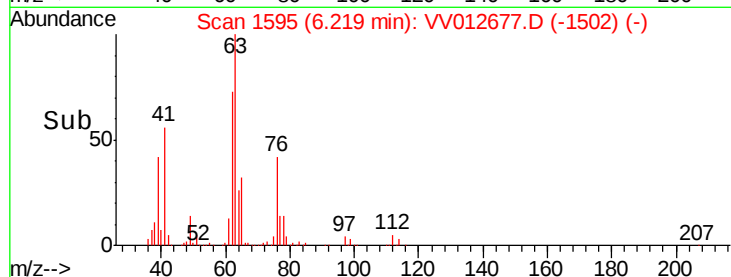
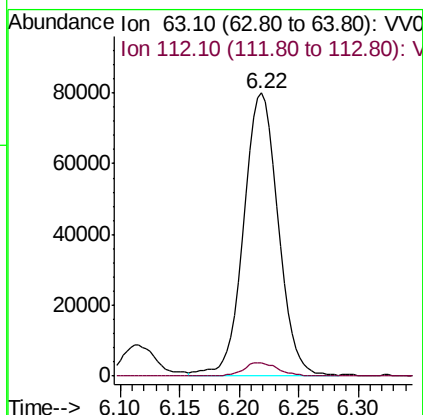
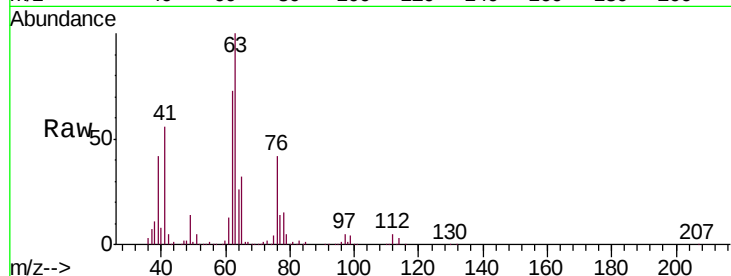




#37
 1,2-Dichloropropane
 Concen: 5.273 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012677.D
 Acq: 11 Sep 2019 19:21

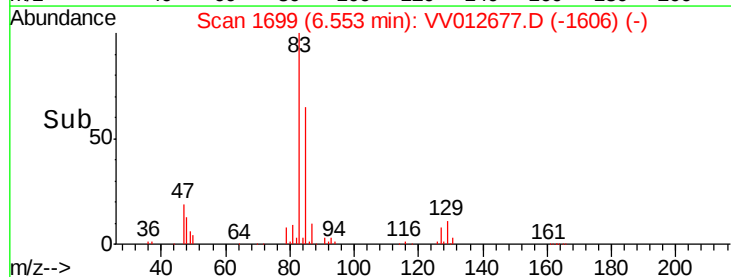
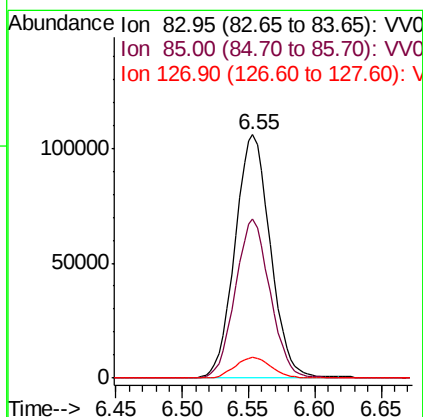
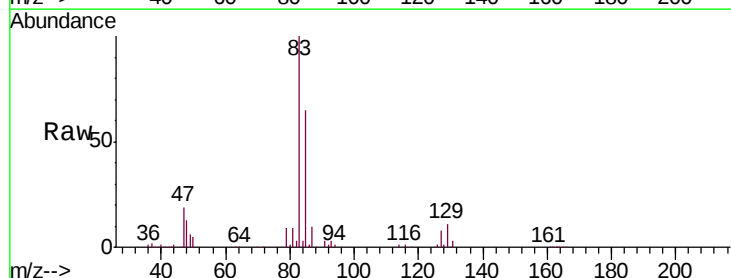
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

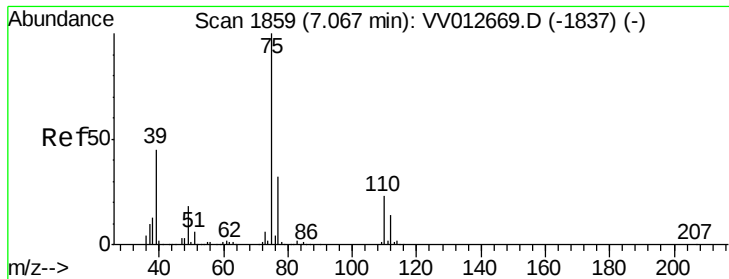
Tgt Ion: 63 Resp: 160098
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.958 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012677.D
 Acq: 11 Sep 2019 19:21

Tgt Ion: 83 Resp: 194956
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.3 84.1
 127 8.4 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 5.263 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

Instrument :

MSVOA_V

ClientSampled :

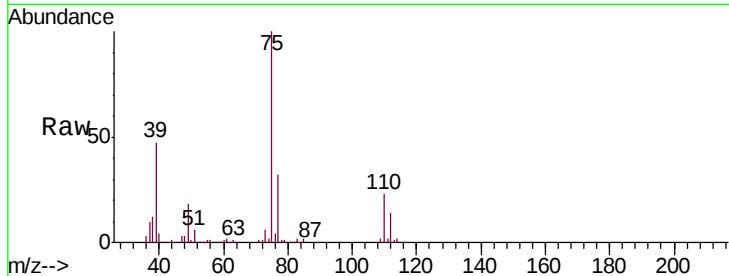
VSTD00551

Tgt Ion: 75 Resp: 209658

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.07

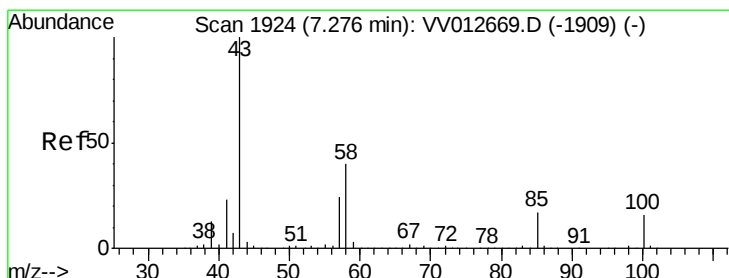
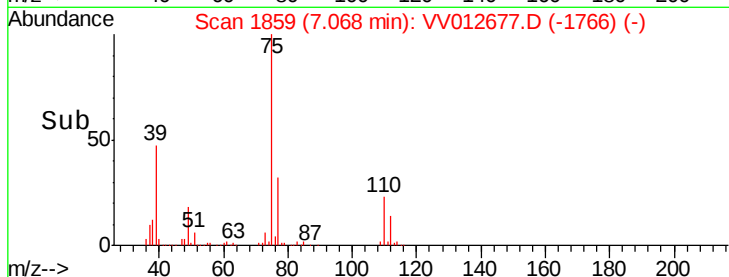
100000

50000

0

7.00 7.10 7.20

Time-->



#40

4-Methyl-2-pentanone

Concen: 53.384 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

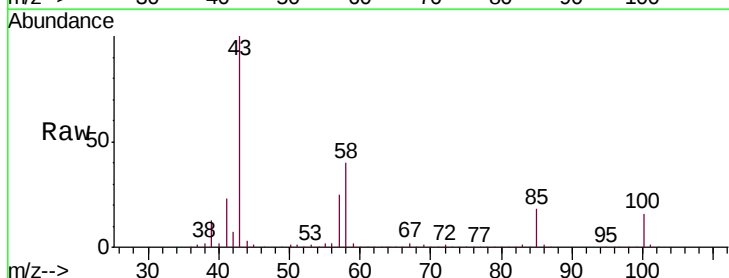
Tgt Ion: 43 Resp: 898523

Ion Ratio Lower Upper

43 100

58 38.8 31.4 47.0

100 15.2 12.6 18.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

7.28

600000

500000

400000

300000

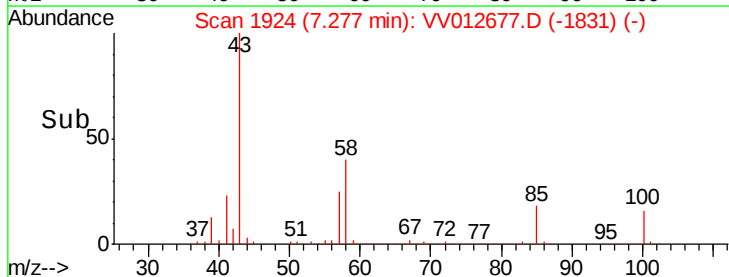
200000

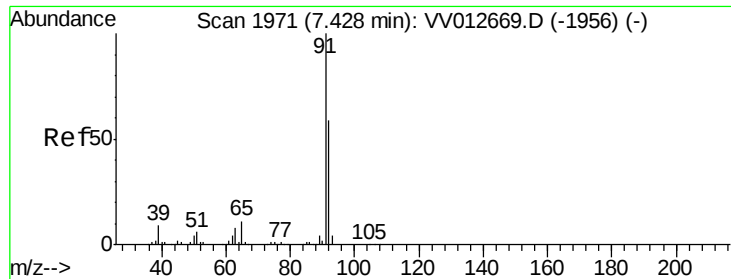
100000

0

7.20 7.30 7.40

Time-->





#42

Toluene

Concen: 5.354 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

Instrument :

MSVOA_V

ClientSampleId :

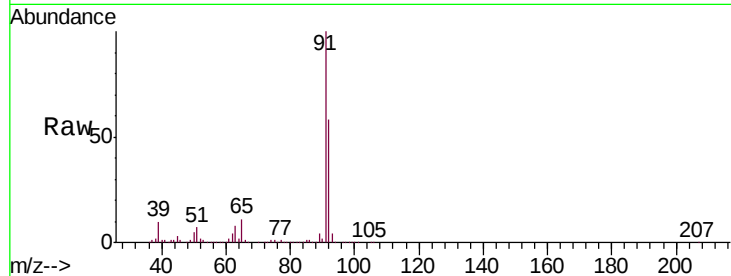
VSTD00551

Tgt Ion: 91 Resp: 678014

Ion Ratio Lower Upper

91 100

92 58.5 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV012669.D (-1956) (-)

Ion 92.15 (91.85 to 92.85): VV012677.D (-1878) (-)

7.43

400000

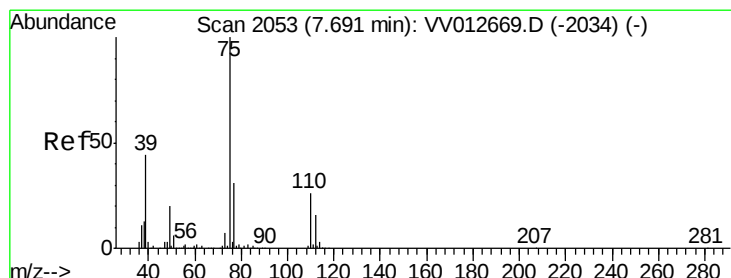
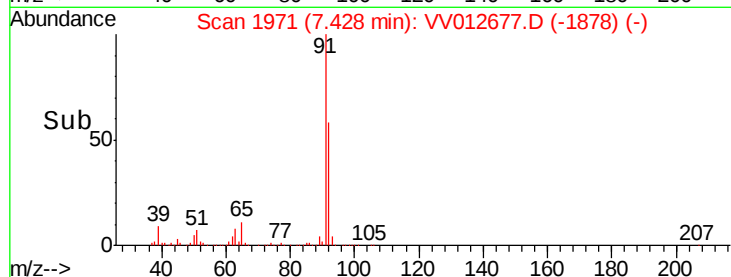
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.216 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012677.D

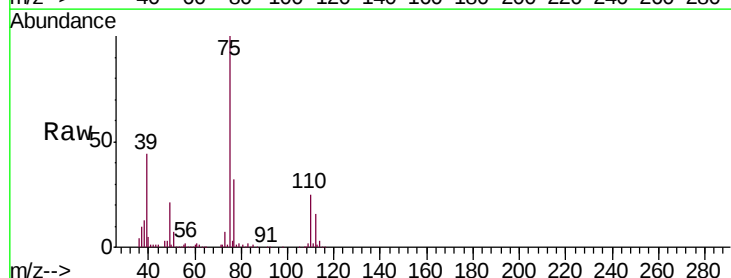
Acq: 11 Sep 2019 19:21

Tgt Ion: 75 Resp: 156667

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV012669.D (-2034) (-)

Ion 77.05 (76.75 to 77.75): VV012677.D (-1960) (-)

7.69

100000

80000

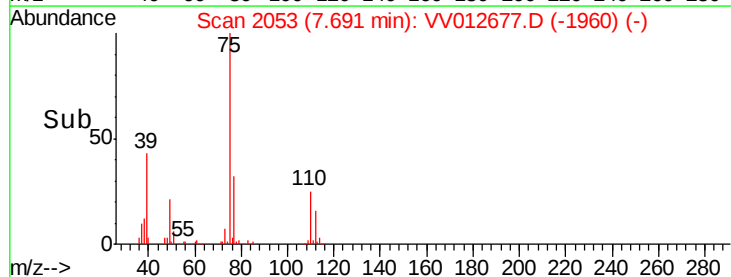
60000

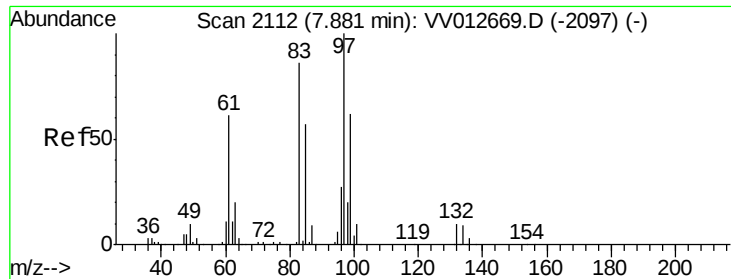
40000

20000

0

Time-->

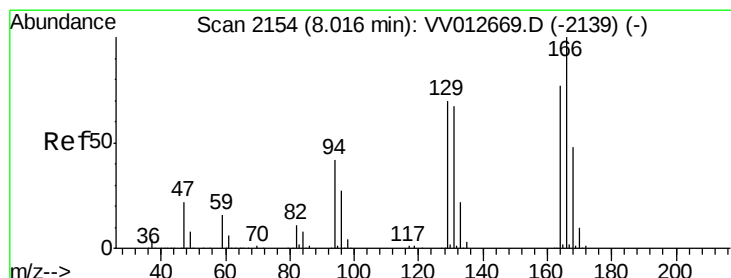
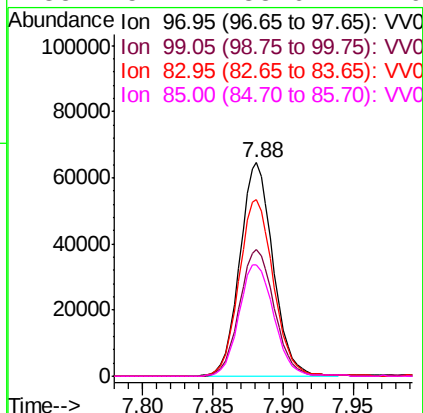
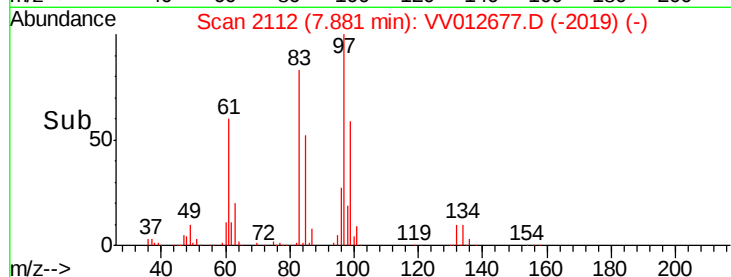
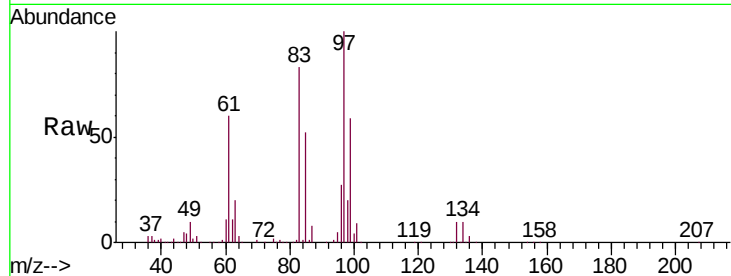




#45
 1,1,2-Trichloroethane
 Concen: 5.064 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012677.D
 Acq: 11 Sep 2019 19:21

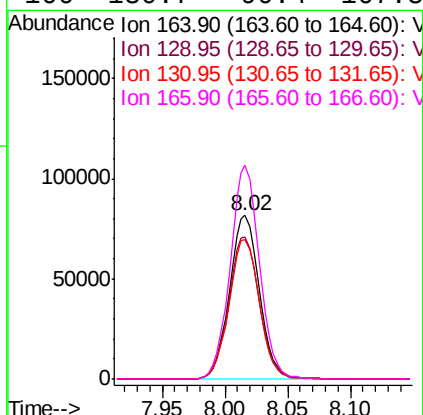
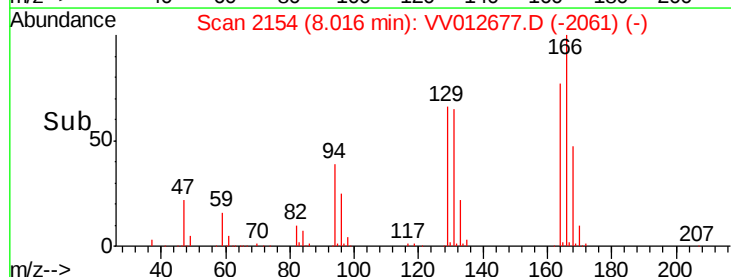
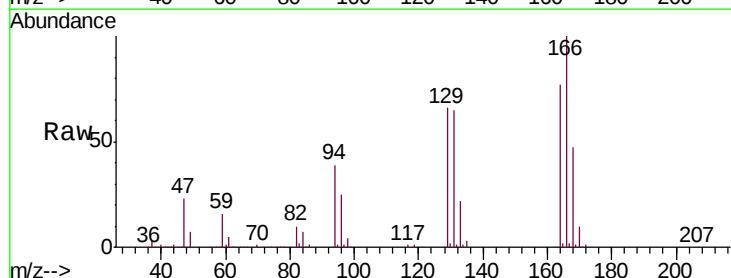
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

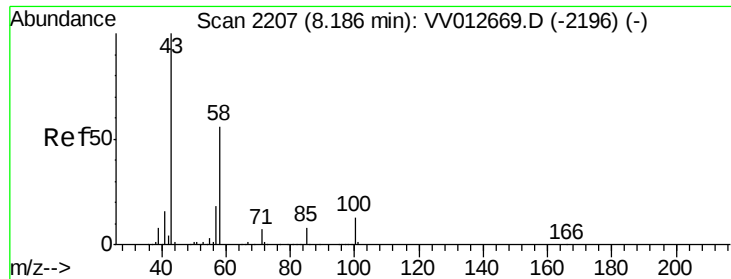
Tgt Ion:	97	Resp:	107091
Ion	Ratio	Lower	Upper
97	100		
99	59.2	44.2	82.0
83	82.9	60.8	112.8
85	52.4	38.6	71.6



#47
 Tetrachloroethene
 Concen: 5.105 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012677.D
 Acq: 11 Sep 2019 19:21

Tgt Ion:	164	Resp:	134995
Ion	Ratio	Lower	Upper
164	100		
129	86.6	61.9	114.9
131	85.2	59.7	110.9
166	130.7	90.4	167.8

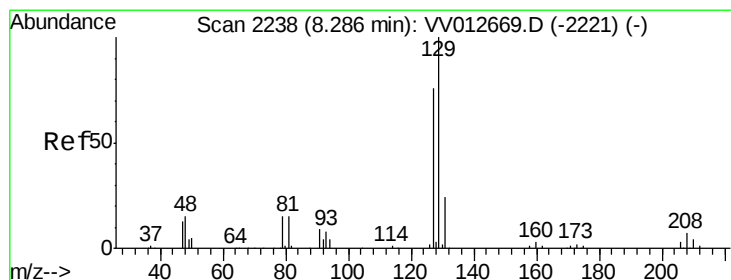
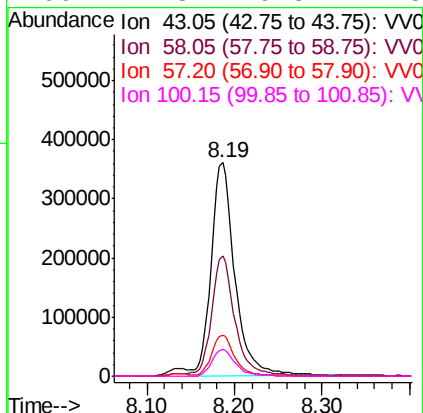
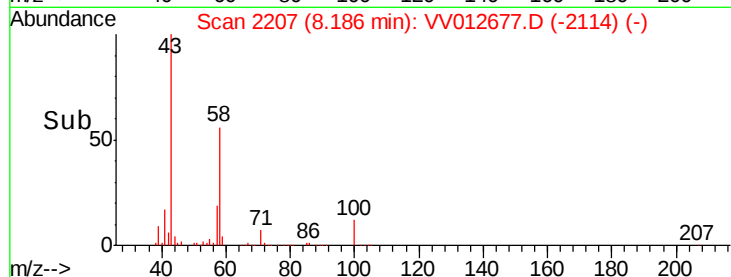
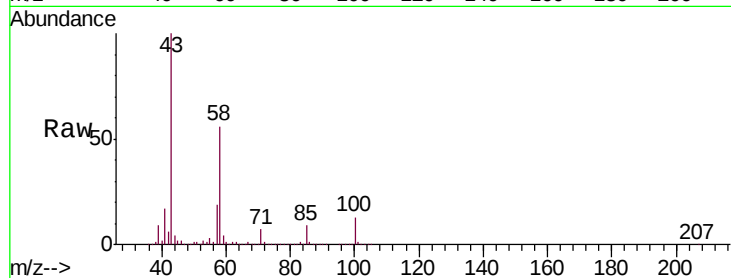




#48
2-Hexanone
Concen: 56.214 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012677.D
Acq: 11 Sep 2019 19:21

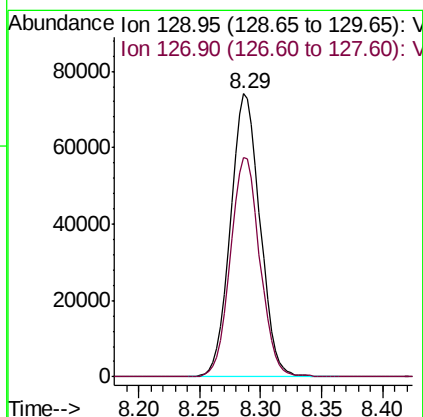
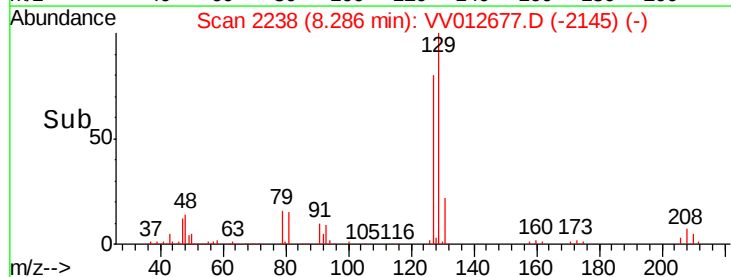
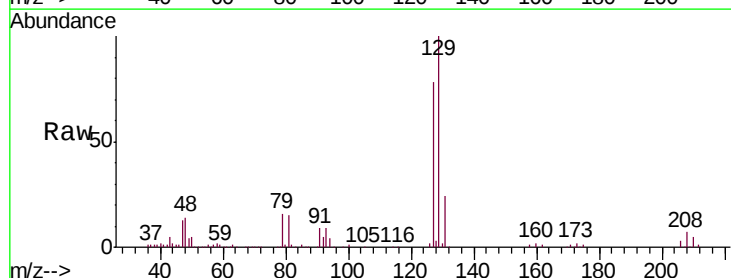
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

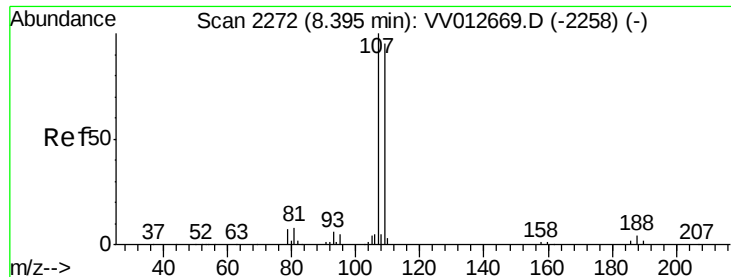
Tgt Ion: 43 Resp: 677008
Ion Ratio Lower Upper
43 100
58 57.4 44.8 67.2
57 18.6 14.9 22.3
100 12.3 9.8 14.8



#49
Dibromochloromethane
Concen: 4.978 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV012677.D
Acq: 11 Sep 2019 19:21

Tgt Ion: 129 Resp: 125217
Ion Ratio Lower Upper
129 100
127 77.5 53.5 99.5

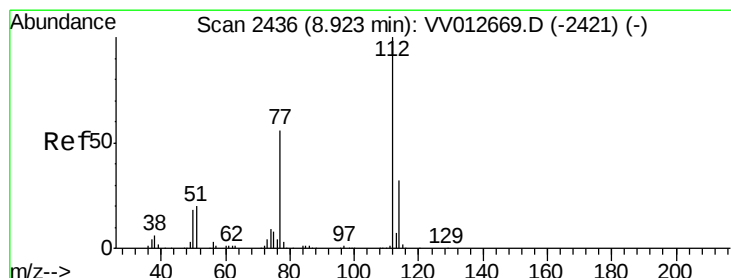
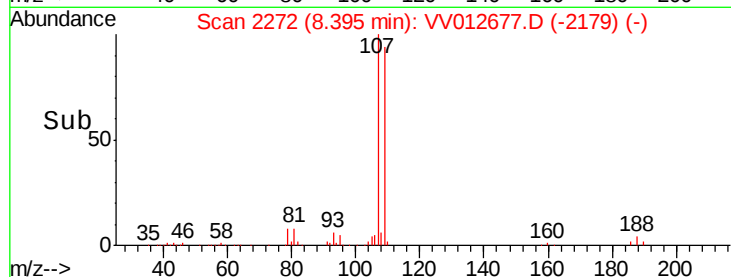
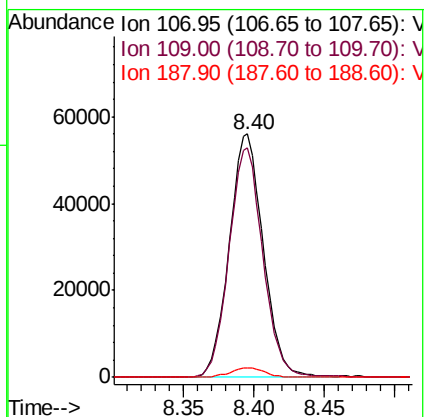
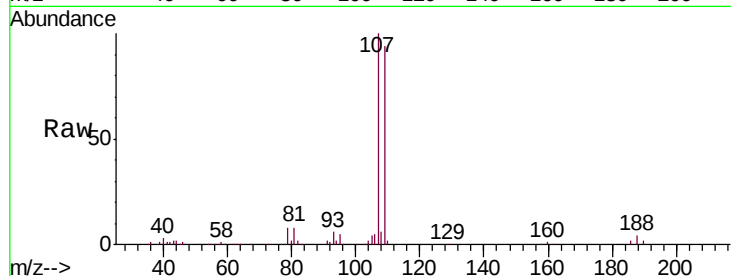




#50
 1,2-Dibromoethane
 Concen: 5.037 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012677.D
 Acq: 11 Sep 2019 19:21

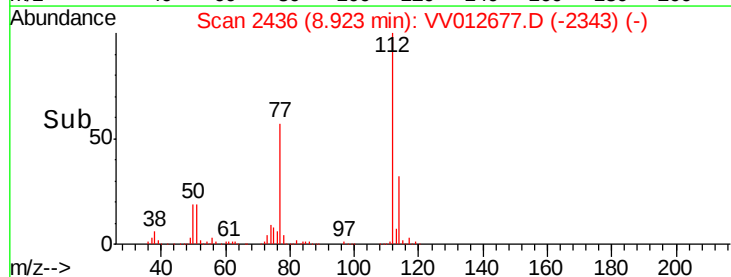
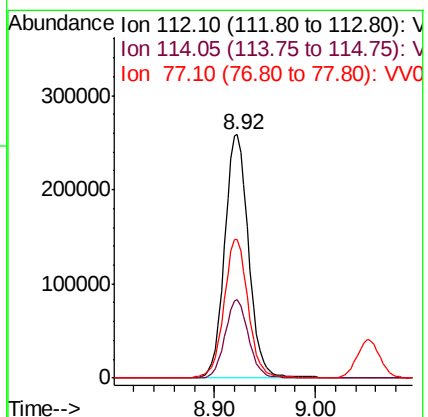
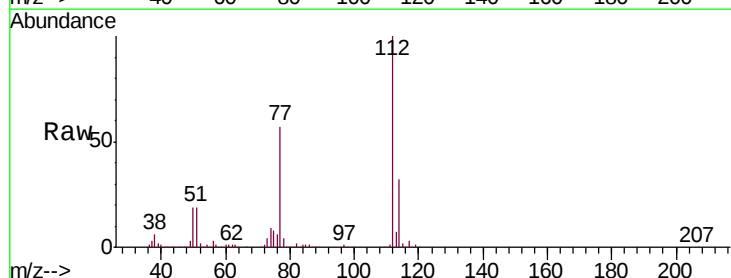
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

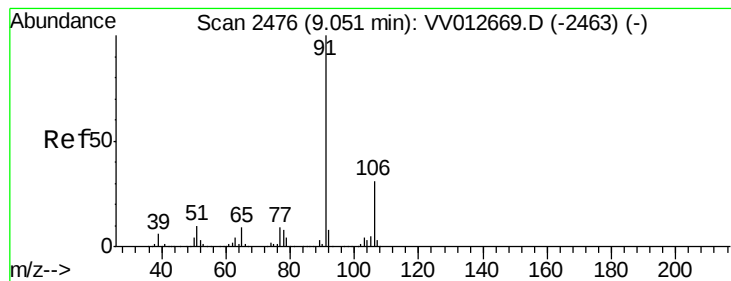
Tgt Ion:107 Resp: 94392
 Ion Ratio Lower Upper
 107 100
 109 94.5 67.7 125.7
 188 4.1 3.3 4.9



#51
 Chlorobenzene
 Concen: 5.164 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012677.D
 Acq: 11 Sep 2019 19:21

Tgt Ion:112 Resp: 429930
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.5 41.9
 77 57.1 46.2 69.2





#52

Ethylbenzene

Concen: 5.204 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

Instrument :

MSVOA_V

ClientSampleId :

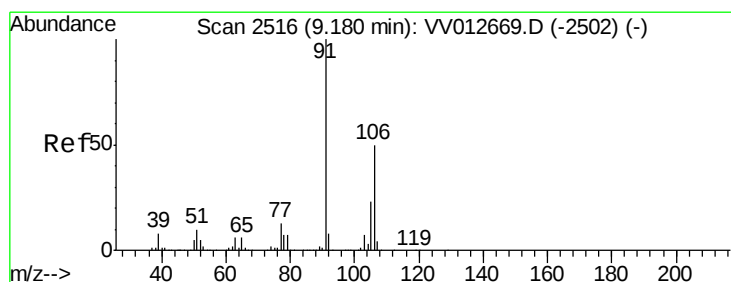
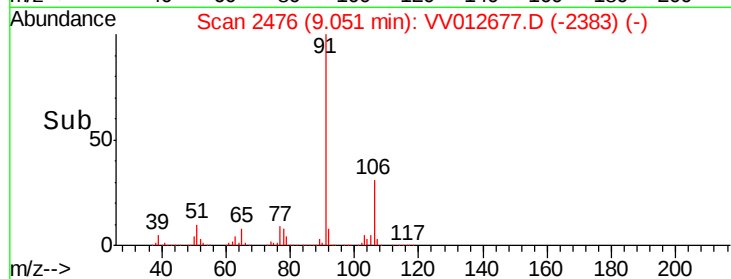
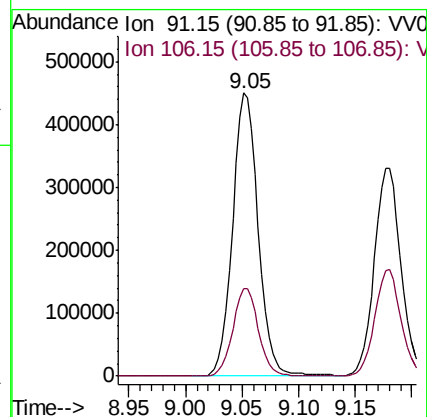
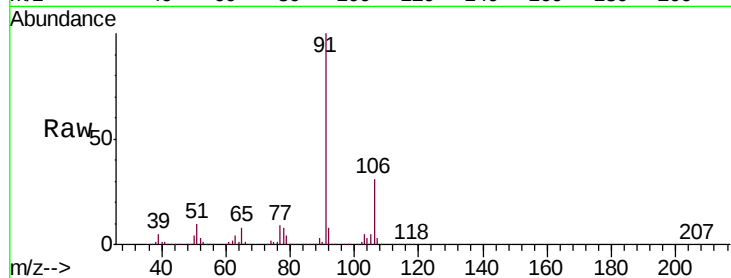
VSTD00551

Tgt Ion: 91 Resp: 708792

Ion Ratio Lower Upper

91 100

106 30.9 21.7 40.3



#53

m,p-xylene

Concen: 5.309 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012677.D

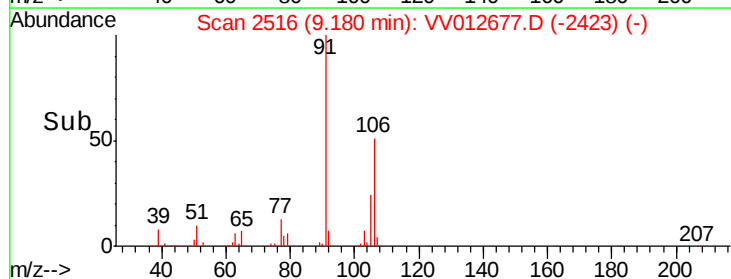
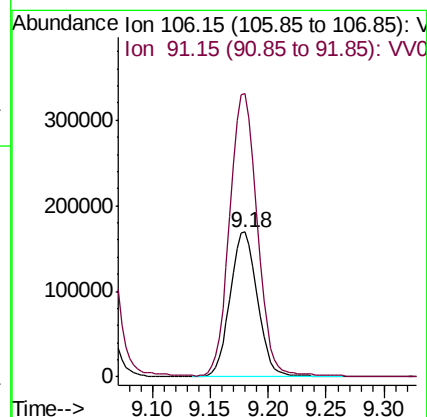
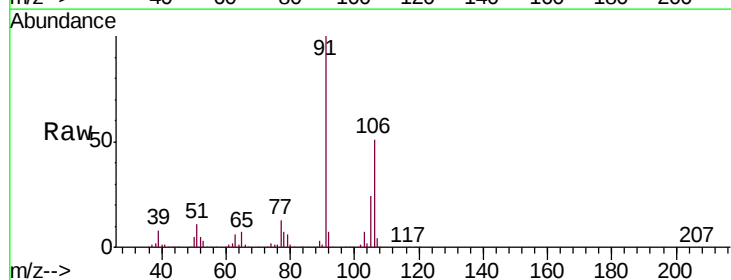
Acq: 11 Sep 2019 19:21

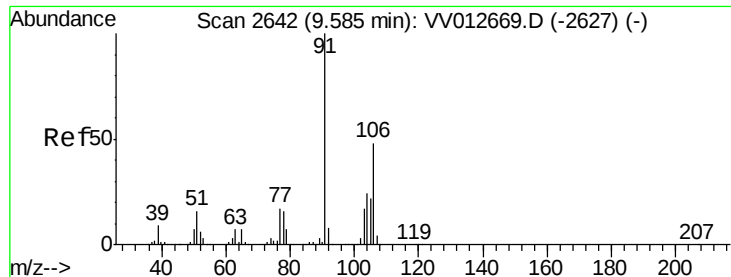
Tgt Ion: 106 Resp: 273380

Ion Ratio Lower Upper

106 100

91 195.8 140.0 260.0

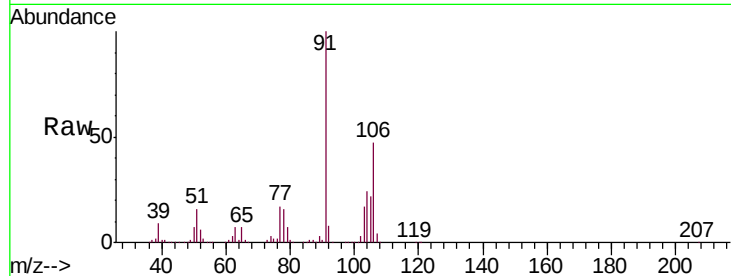




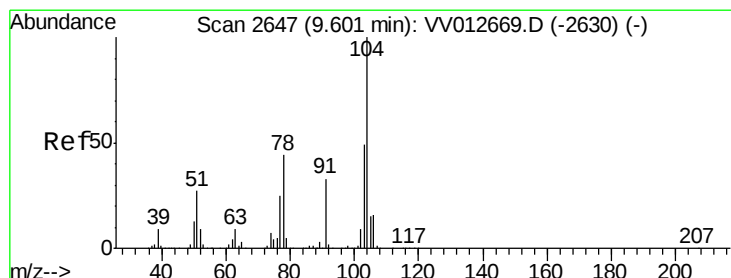
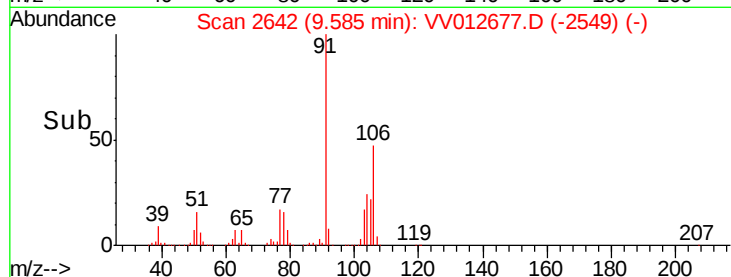
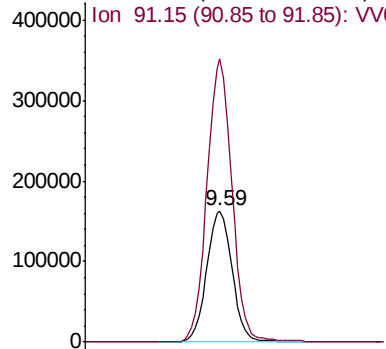
#54
o-xylene
Concen: 5.307 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012677.D
Acq: 11 Sep 2019 19:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Tgt Ion:106 Resp: 261687
Ion Ratio Lower Upper
106 100
91 215.0 148.5 275.9

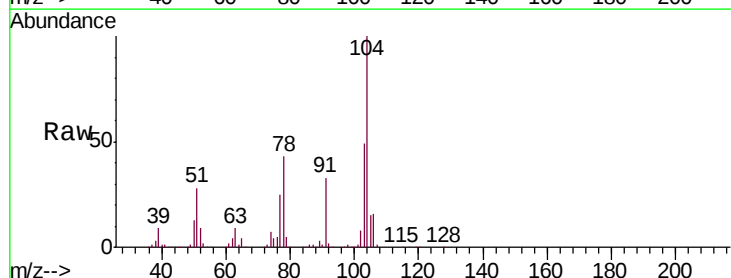


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

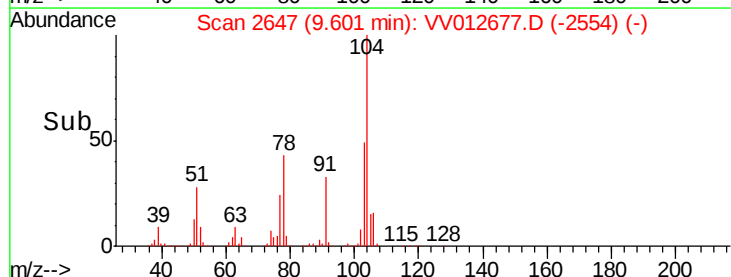
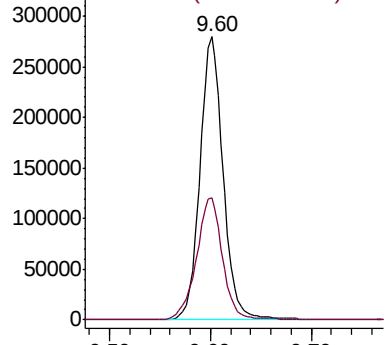


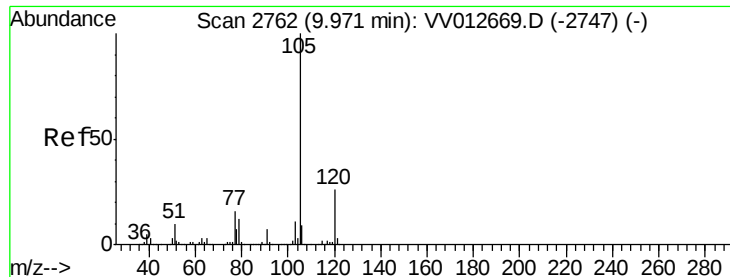
#55
Styrene
Concen: 5.475 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012677.D
Acq: 11 Sep 2019 19:21

Tgt Ion:104 Resp: 448979
Ion Ratio Lower Upper
104 100
78 43.1 30.2 56.0



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





#56

Isopropylbenzene

Concen: 5.389 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

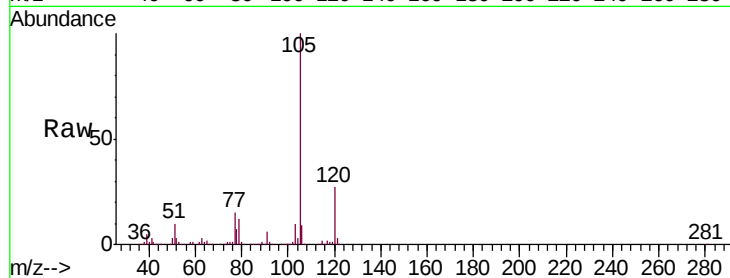
Tgt Ion: 105 Resp: 703914

Ion Ratio Lower Upper

105 100

120 26.8 21.1 31.7

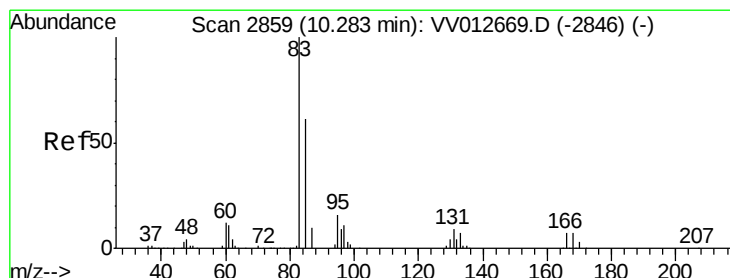
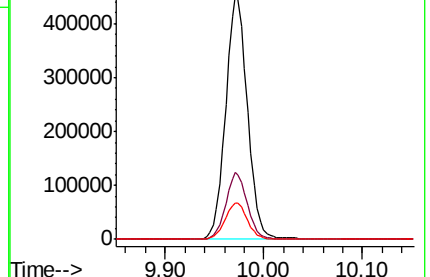
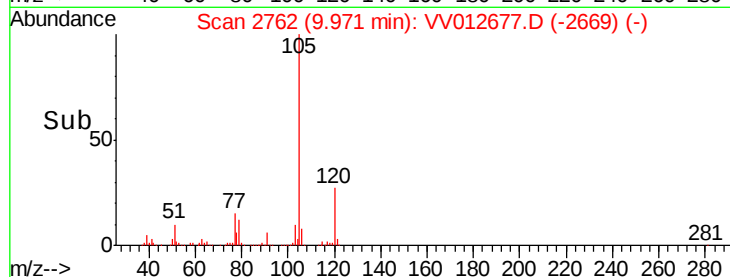
77 15.3 12.2 18.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.962 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

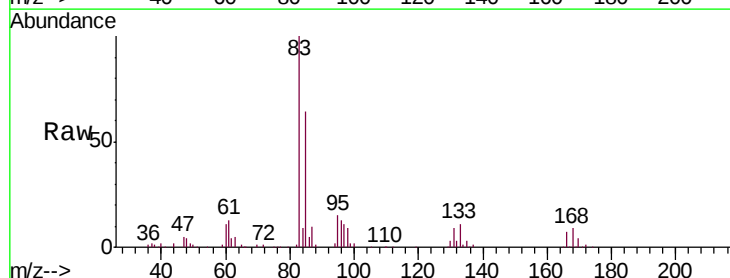
Tgt Ion: 83 Resp: 104606

Ion Ratio Lower Upper

83 100

85 63.6 45.4 84.2

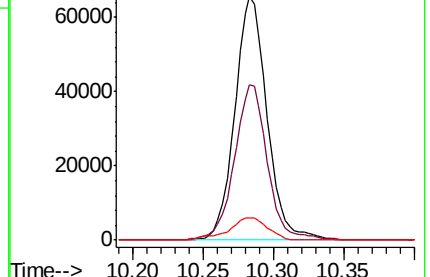
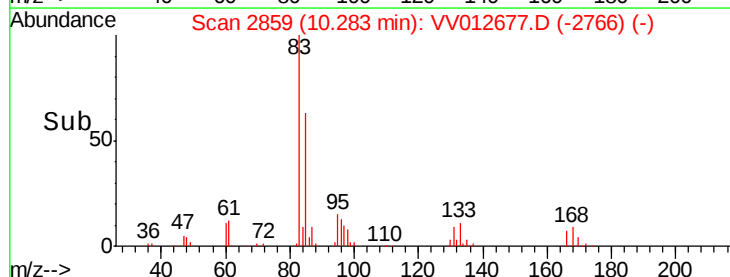
131 9.2 8.2 12.4

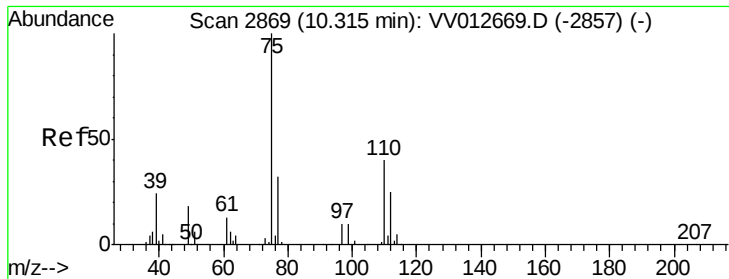


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.052 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

Instrument :

MSVOA_V

ClientSampleId :

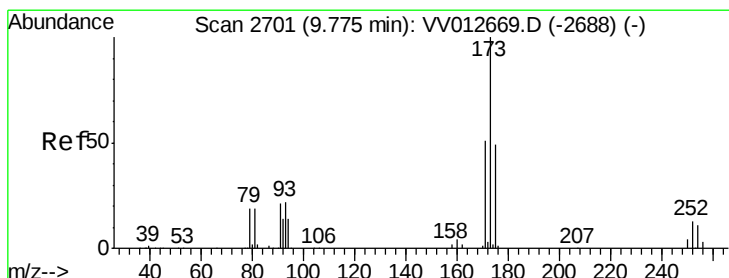
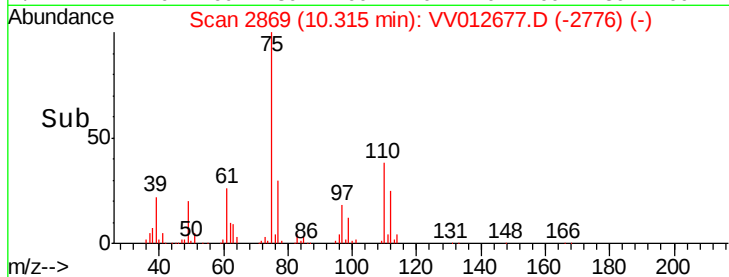
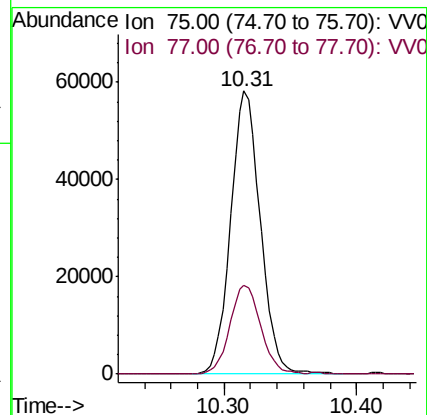
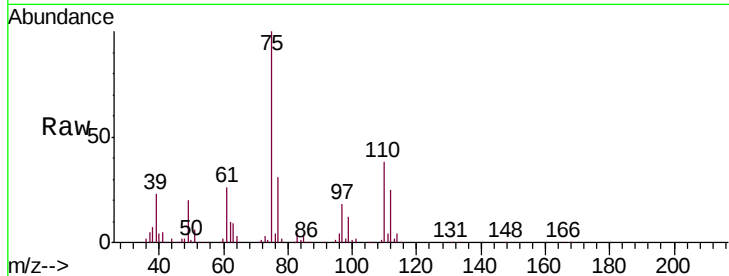
VSTD00551

Tgt Ion: 75 Resp: 90486

Ion Ratio Lower Upper

75 100

77 32.0 24.9 37.3



#61

Bromoform

Concen: 4.765 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

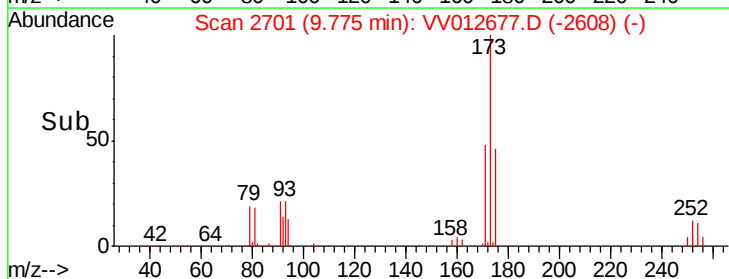
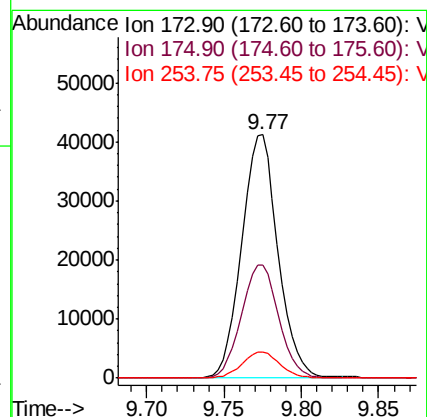
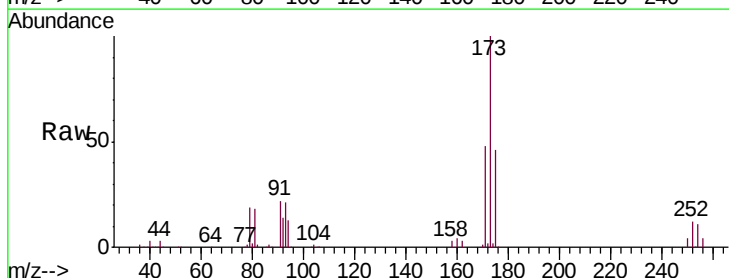
Tgt Ion: 173 Resp: 67236

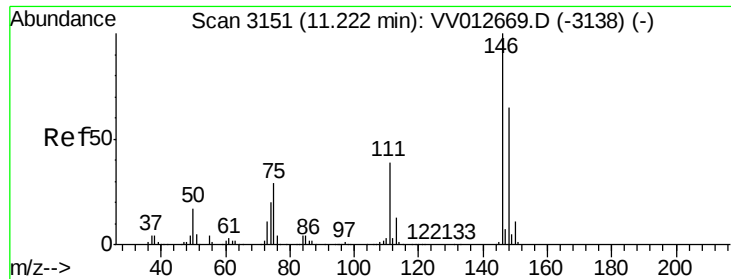
Ion Ratio Lower Upper

173 100

175 47.8 39.8 59.6

254 11.0 9.1 13.7

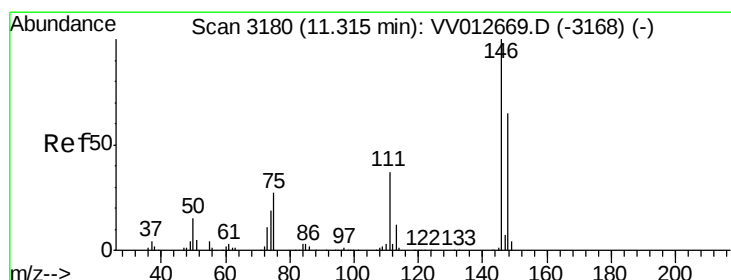
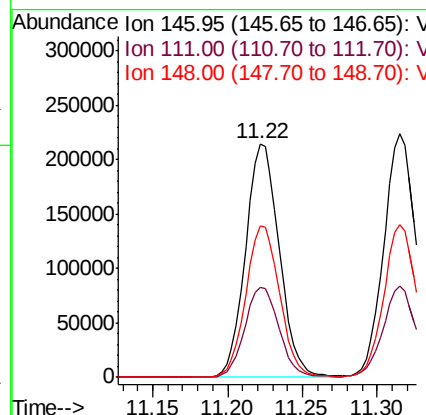
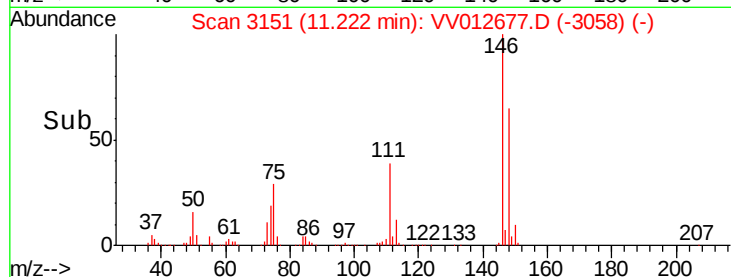
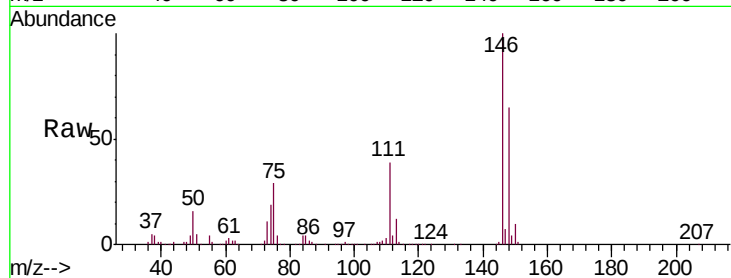




#62
 1,3-Dichlorobenzene
 Concen: 5.147 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV012677.D
 Acq: 11 Sep 2019 19:21

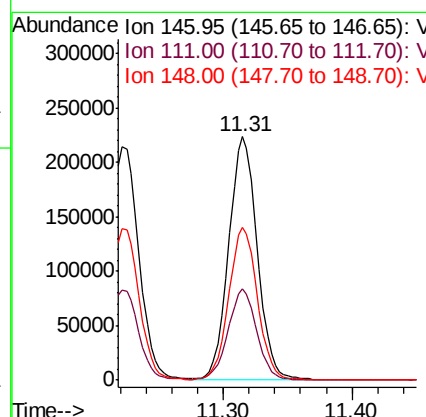
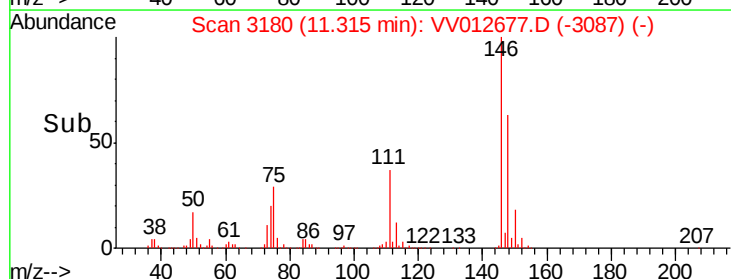
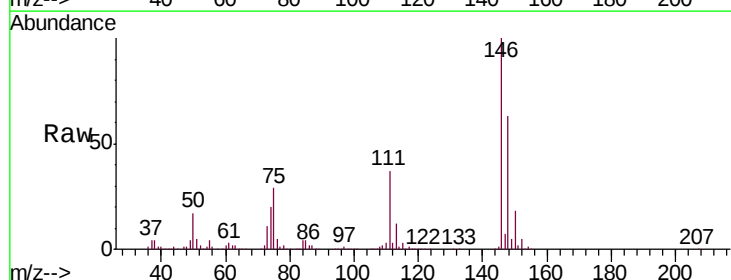
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

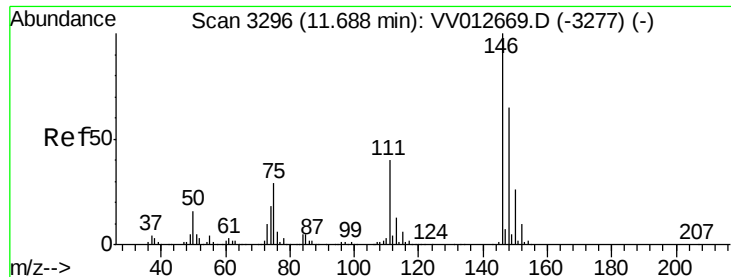
Tgt Ion:146 Resp: 337472
 Ion Ratio Lower Upper
 146 100
 111 38.8 26.3 48.9
 148 64.7 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 5.161 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012677.D
 Acq: 11 Sep 2019 19:21

Tgt Ion:146 Resp: 341607
 Ion Ratio Lower Upper
 146 100
 111 37.4 25.9 48.1
 148 62.9 45.1 83.7

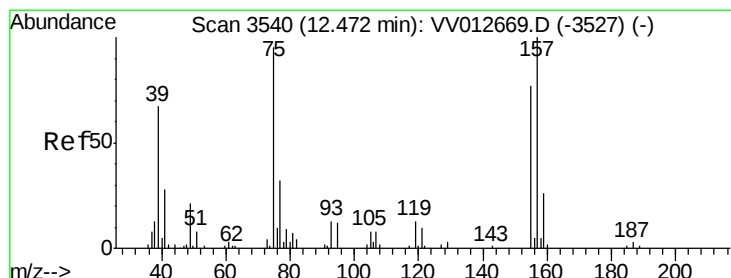
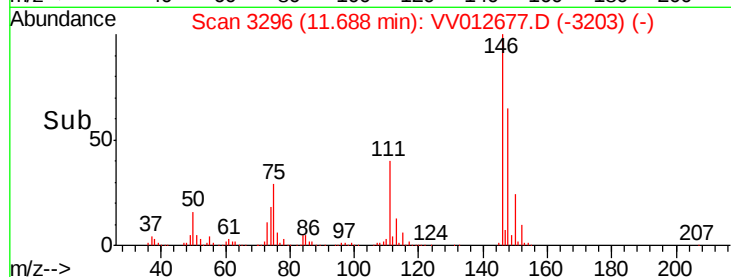
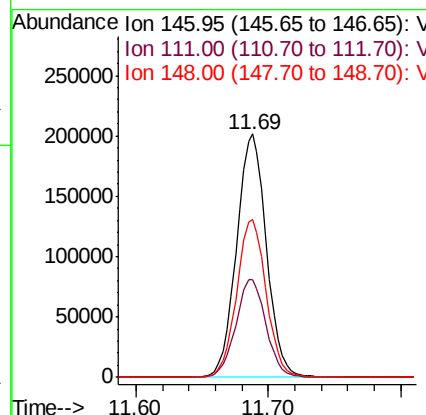
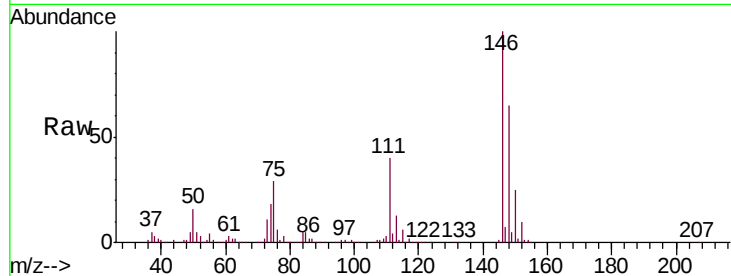




#65
 1,2-Dichlorobenzene
 Concen: 5.105 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012677.D
 Acq: 11 Sep 2019 19:21

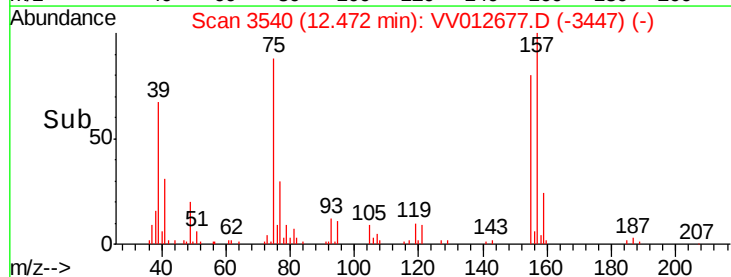
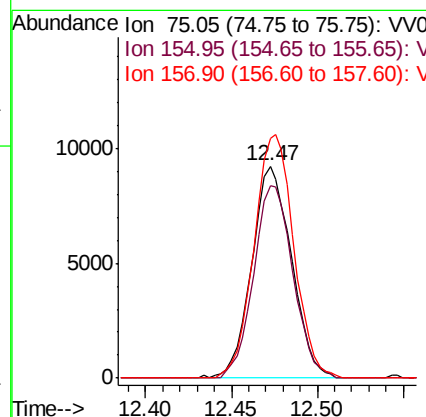
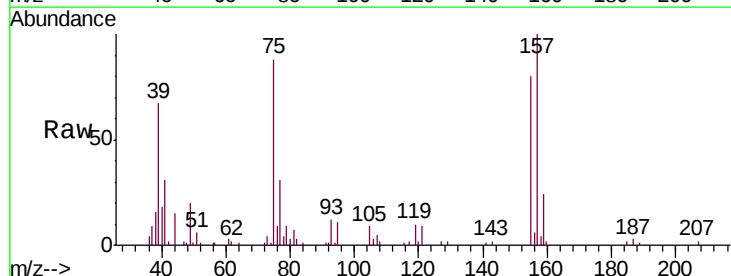
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

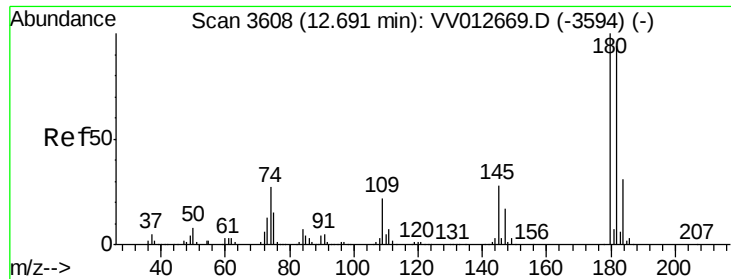
Tgt Ion: 146 Resp: 315159
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.2 48.4
 148 64.9 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.587 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012677.D
 Acq: 11 Sep 2019 19:21

Tgt Ion: 75 Resp: 14758
 Ion Ratio Lower Upper
 75 100
 155 90.9 74.3 111.5
 157 113.2 87.4 131.0

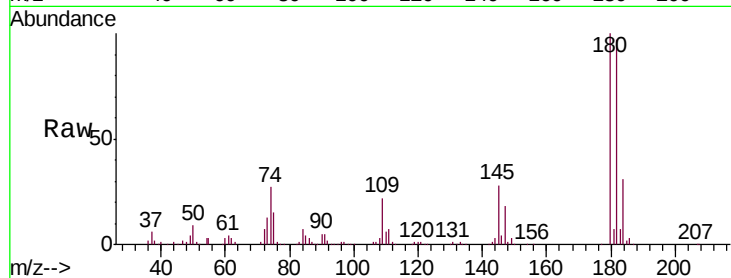




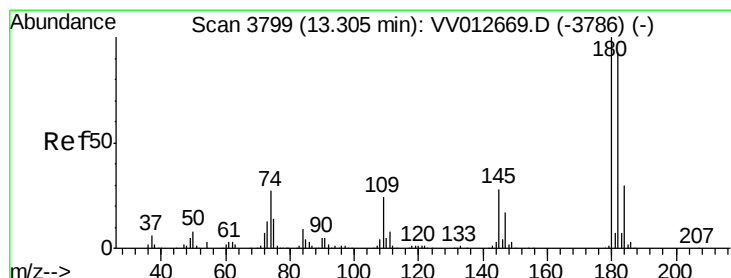
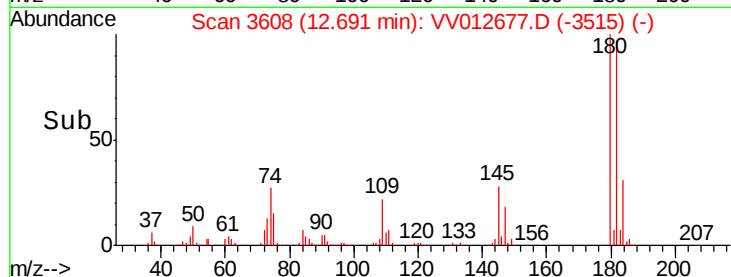
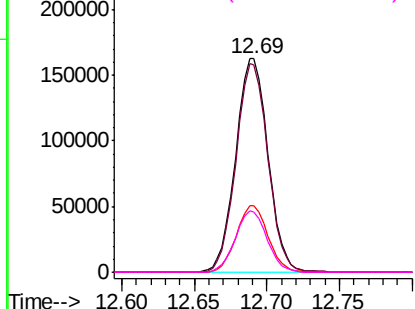
#67
 1,3,5-Trichlorobenzene
 Concen: 5.089 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012677.D
 Acq: 11 Sep 2019 19:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Tgt Ion:	180	Resp:	252727
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.2	114.4
184	30.5	24.3	36.5
145	28.2	22.0	33.0

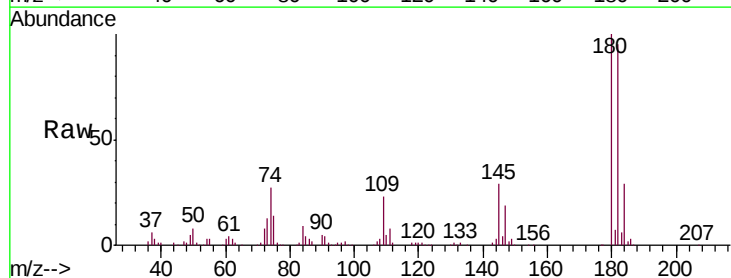


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

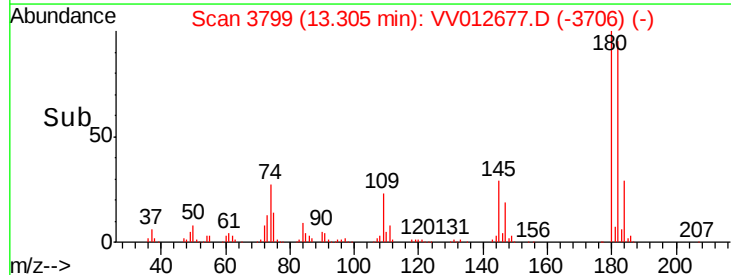
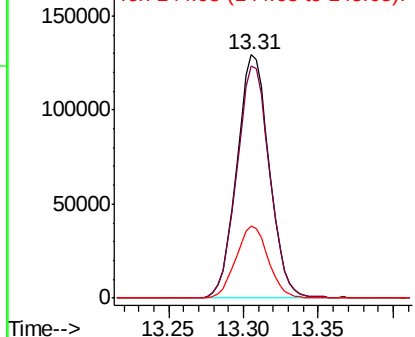


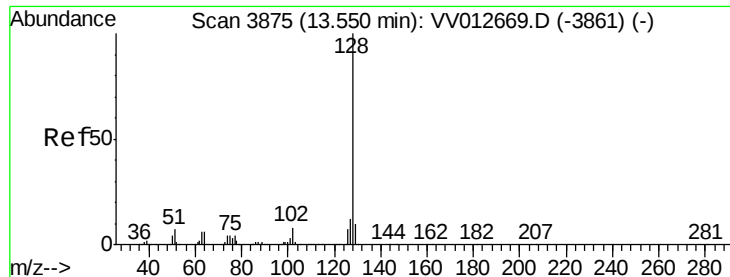
#68
 1,2,4-trichlorobenzene
 Concen: 4.976 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012677.D
 Acq: 11 Sep 2019 19:21

Tgt Ion:	180	Resp:	195651
Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.1	114.1
145	29.5	23.2	34.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.893 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

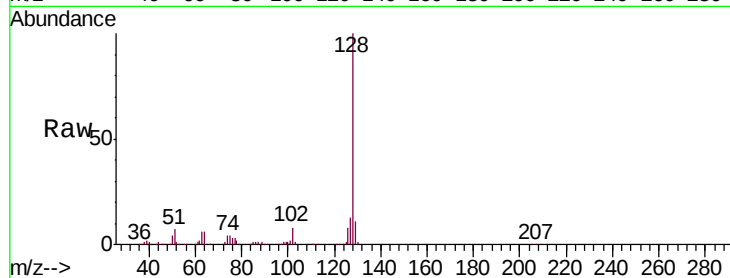
Tgt Ion:128 Resp: 290809

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

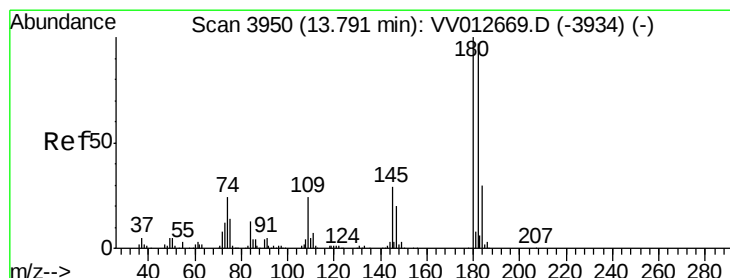
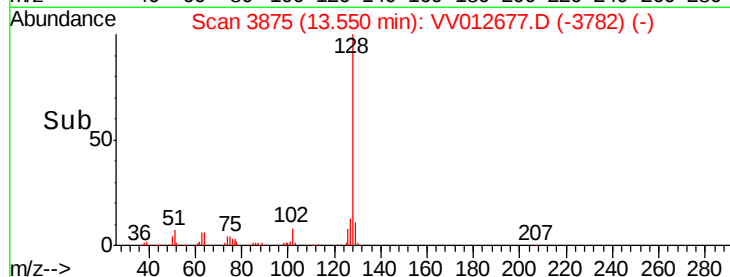
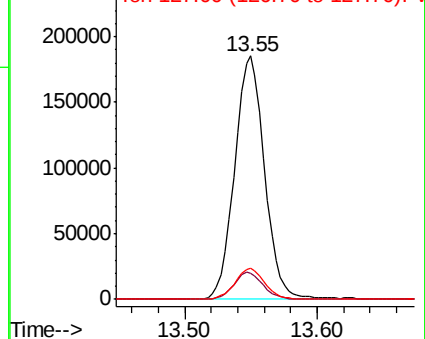
127 12.8 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.239 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012677.D

Acq: 11 Sep 2019 19:21

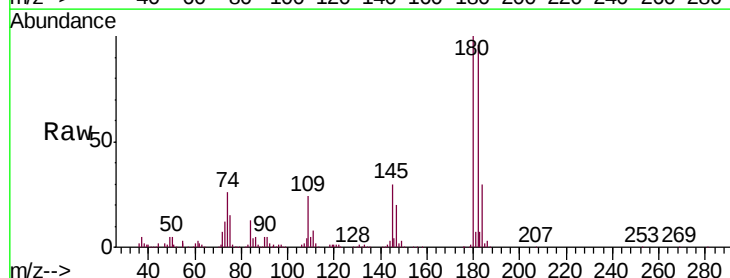
Tgt Ion:180 Resp: 194232

Ion Ratio Lower Upper

180 100

182 94.2 77.0 115.6

145 30.3 24.5 36.7



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

