

Data File : VV012245.D
Acq On : 14 Aug 2019 19:59
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00540

Quant Time: Aug 15 23:33:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 15 23:30:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	204854	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	201087	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	103064	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51629	4.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.80%
7) Chloroethane-d5	1.58	69	43807	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.13	63	92341	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.40%
20) 2-Butanone-d5	3.96	46	150110	55.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.14%
24) Chloroform-d	4.40	84	117959	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.08	65	56273	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.09	84	225391	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.12	67	68100	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.36	98	211504	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.66	79	26313	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.14	63	102273	55.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	52875	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	76817	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	95300	4.847	ug/L 100
3) Chloromethane	1.25	50	84985	4.773	ug/L 99
5) Vinyl chloride	1.32	62	88002	4.810	ug/L 100
6) Bromomethane	1.53	94	33695	3.259	ug/L 100
8) Chloroethane	1.60	64	51012	4.834	ug/L 97
9) Trichlorofluoromethane	1.77	101	107937	4.690	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	56941	4.893	ug/L 99
12) 1,1-Dichloroethene	2.14	96	53498	4.964	ug/L 99
13) Acetone	2.23	43	78339	46.117	ug/L 98
14) Carbon disulfide	2.31	76	120485	3.818	ug/L 99
15) Methyl Acetate	2.47	43	16759	3.908	ug/L 92
16) Methylene chloride	2.53	84	42915	3.693	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	134560	4.533	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	60442	4.204	ug/L 99
19) 1,1-Dichloroethane	3.23	63	135601	5.151	ug/L 98
21) 2-Butanone	4.05	43	196111	56.462	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	76380	4.811	ug/L 95

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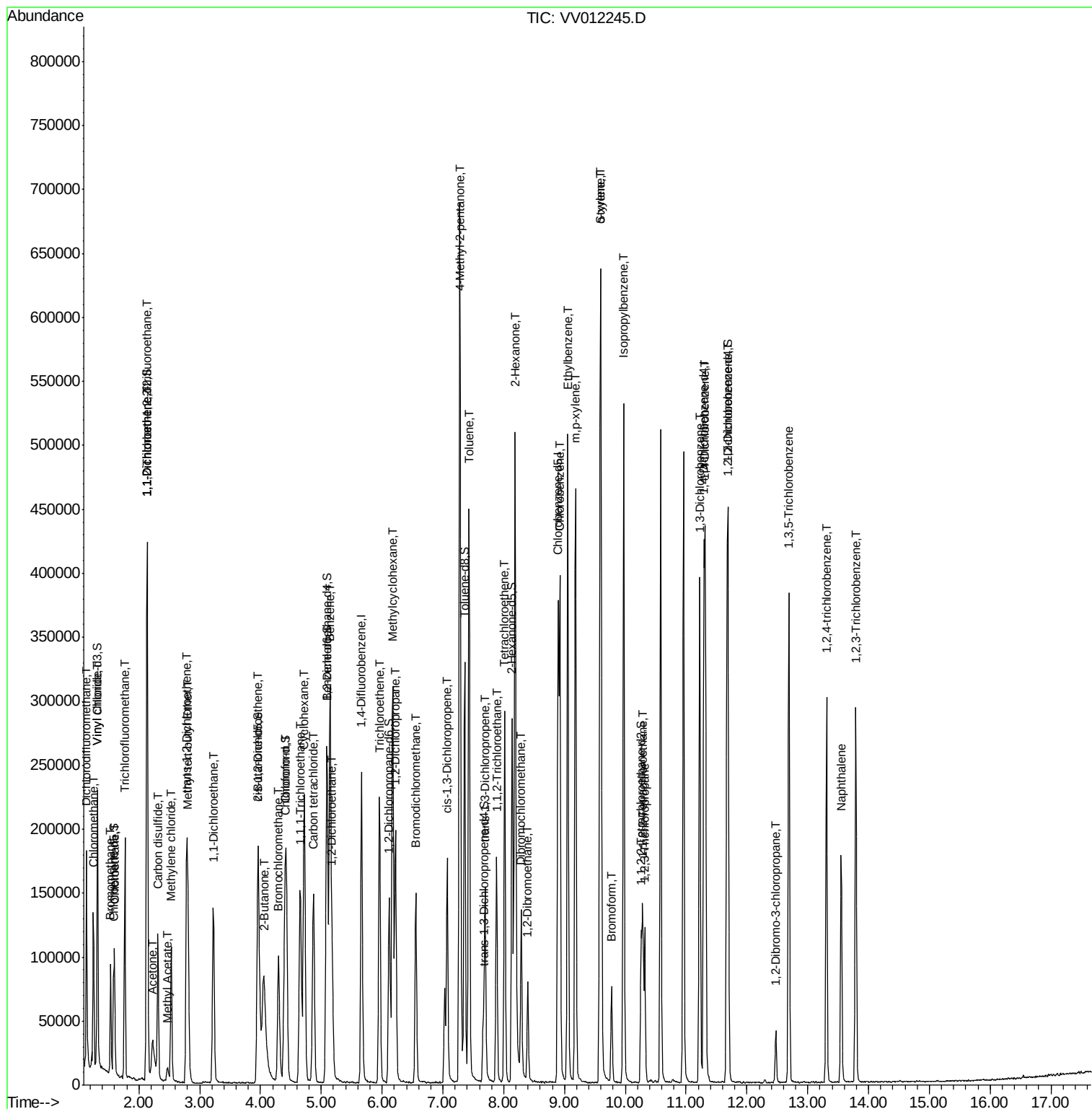
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	35126	5.190	ug/L	97
25) Chloroform	4.42	83	143623	4.804	ug/L	98
27) 1,2-Dichloroethane	5.18	62	84124	5.124	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	120746	4.909	ug/L	99
30) Cyclohexane	4.72	56	114652	4.681	ug/L	100
31) Carbon tetrachloride	4.87	117	108575	4.879	ug/L	98
33) Benzene	5.14	78	303161	4.998	ug/L	100
34) Trichloroethene	5.96	95	77057	4.690	ug/L	96
35) Methylcyclohexane	6.17	83	118807	4.654	ug/L	98
37) 1,2-Dichloropropane	6.22	63	74178	4.901	ug/L	98
38) Bromodichloromethane	6.55	83	97535	5.002	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	102337	4.910	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	482446	57.983	ug/L	99
42) Toluene	7.43	91	324653	5.031	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	83552	5.094	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	53620	5.312	ug/L	97
47) Tetrachloroethene	8.02	164	65418	4.831	ug/L	98
48) 2-Hexanone	8.19	43	347583	59.270	ug/L	99
49) Dibromochloromethane	8.29	129	64070	5.113	ug/L	98
50) 1,2-Dibromoethane	8.40	107	50289	5.157	ug/L	99
51) Chlorobenzene	8.92	112	204478	4.894	ug/L	99
52) Ethylbenzene	9.05	91	338618	4.924	ug/L	99
53) m,p-xylene	9.18	106	131995	4.998	ug/L	97
54) o-xylene	9.59	106	124140	4.967	ug/L	98
55) Styrene	9.60	104	217002	5.196	ug/L	100
56) Isopropylbenzene	9.97	105	330037	4.938	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	62462	5.334	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	47185	5.495	ug/L	98
61) Bromoform	9.77	173	33145	4.988	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	162278	4.730	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	160176	4.684	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	153483	4.876	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	9900	4.940	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	117559	4.538	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	89747	4.661	ug/L	100
69) Naphthalene	13.55	128	141386	5.079	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	90598	4.982	ug/L	100

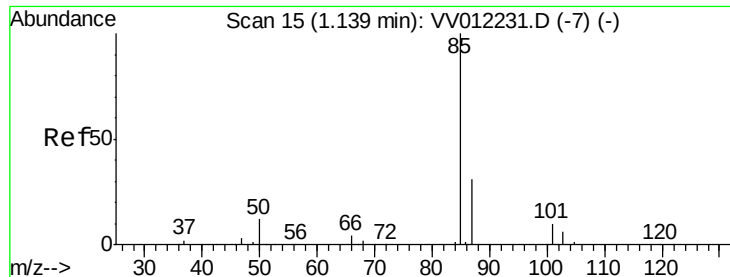
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.847 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

Instrument :

MSVOA_V

ClientSampleId :

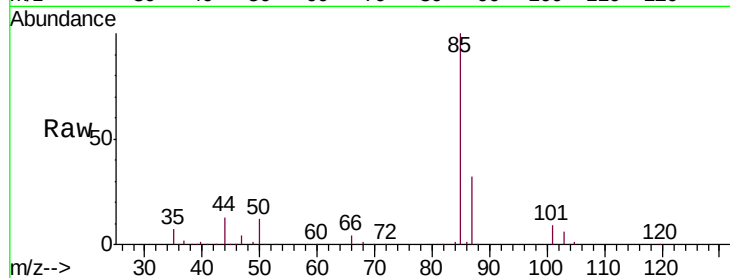
VSTD00540

Tgt Ion: 85 Resp: 95300

Ion Ratio Lower Upper

85 100

87 32.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

100000

80000

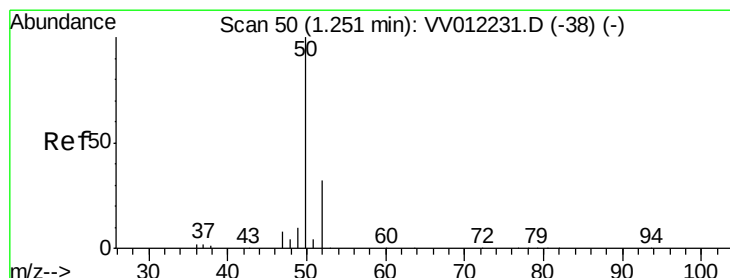
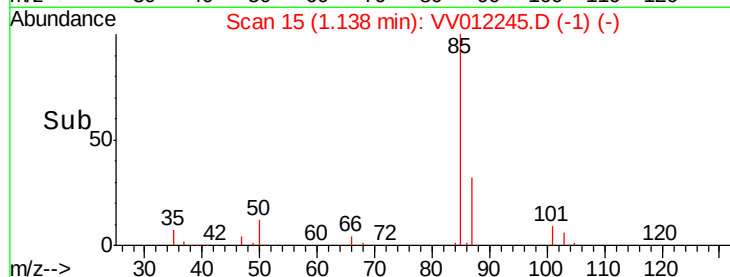
60000

40000

20000

0

Time--> 1.05 1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 4.773 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012245.D

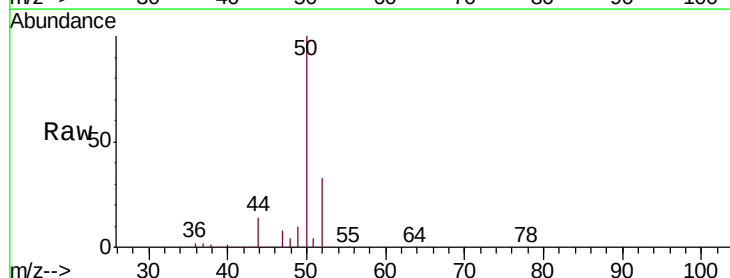
Acq: 14 Aug 2019 19:59

Tgt Ion: 50 Resp: 84985

Ion Ratio Lower Upper

50 100

52 33.1 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

80000

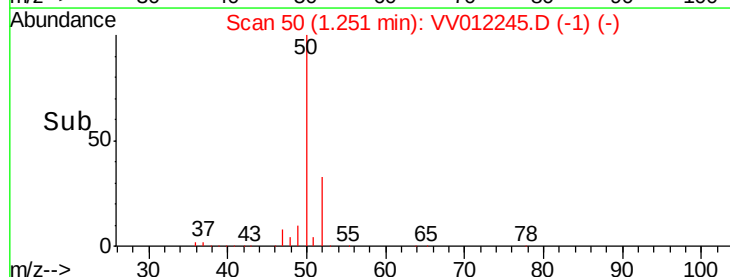
60000

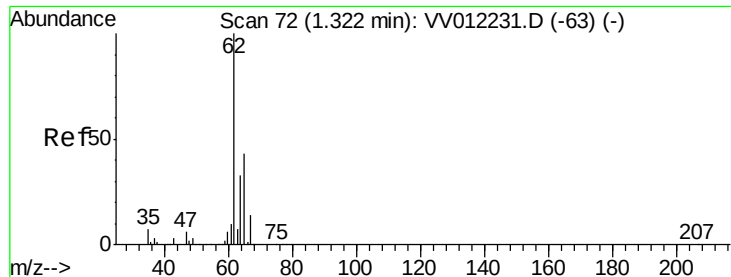
40000

20000

0

Time--> 1.20 1.25 1.30





#5

Vinyl chloride

Concen: 4.810 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

Instrument :

MSVOA_V

ClientSampleId :

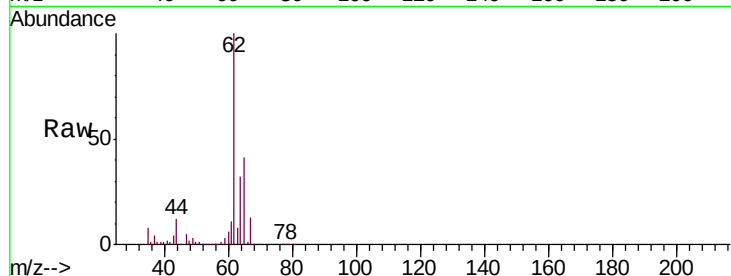
VSTD00540

Tgt Ion: 62 Resp: 88002

Ion Ratio Lower Upper

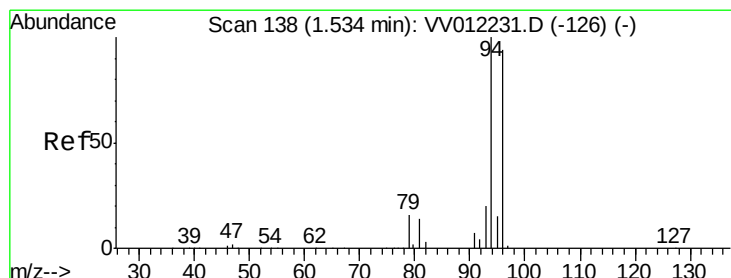
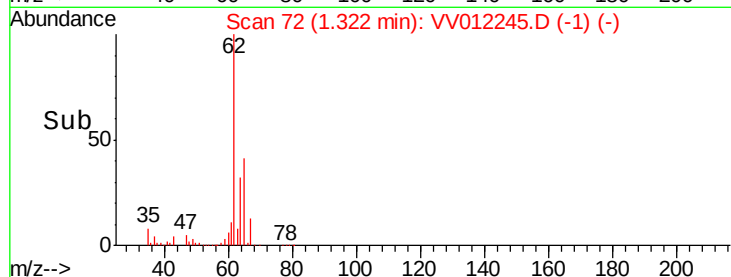
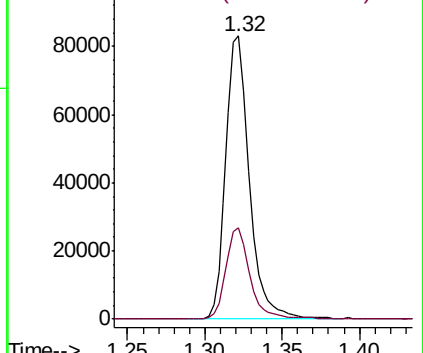
62 100

64 32.4 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 3.259 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012245.D

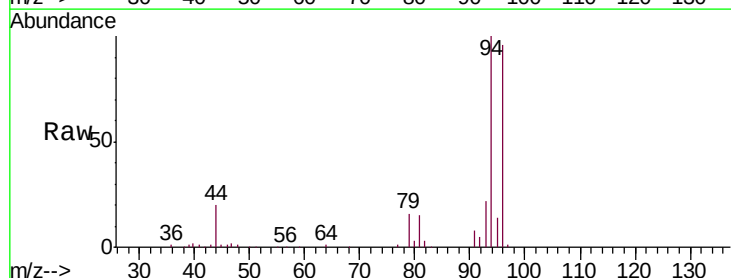
Acq: 14 Aug 2019 19:59

Tgt Ion: 94 Resp: 33695

Ion Ratio Lower Upper

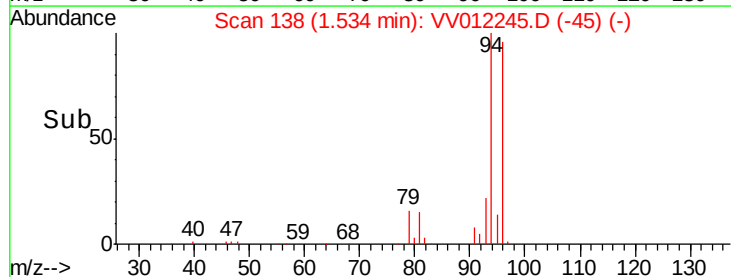
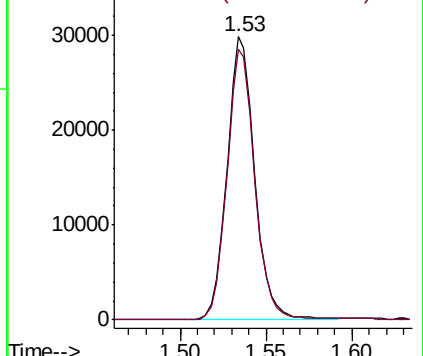
94 100

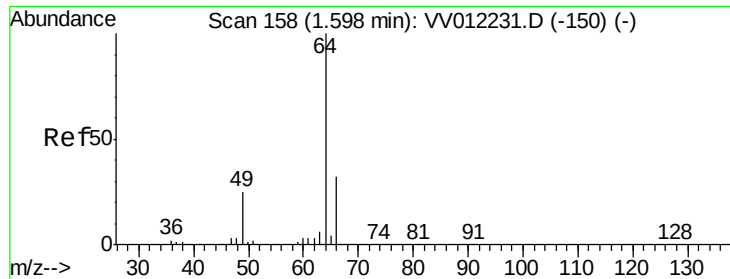
96 95.7 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.834 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

Instrument :

MSVOA_V

ClientSampleId :

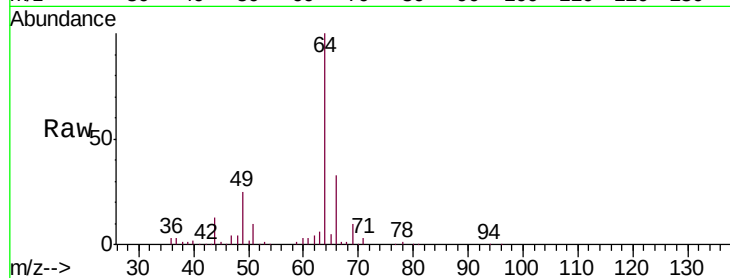
VSTD00540

Tgt Ion: 64 Resp: 51012

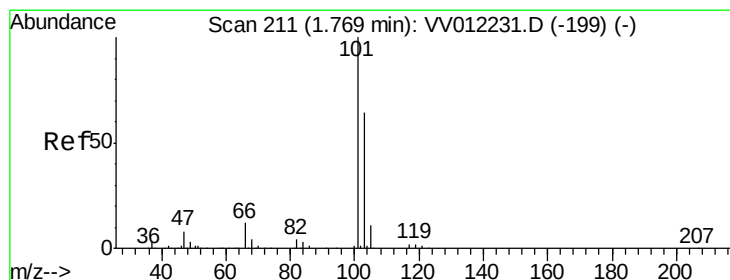
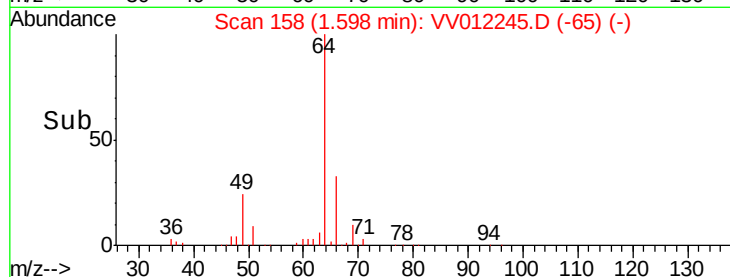
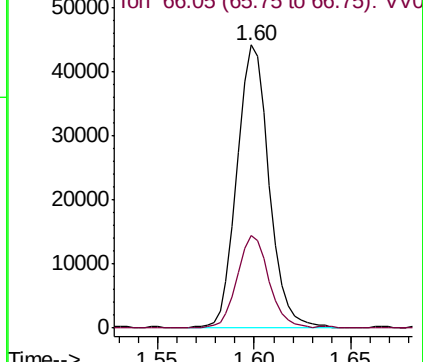
Ion Ratio Lower Upper

64 100

66 32.9 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VV012231.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 4.690 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV012245.D

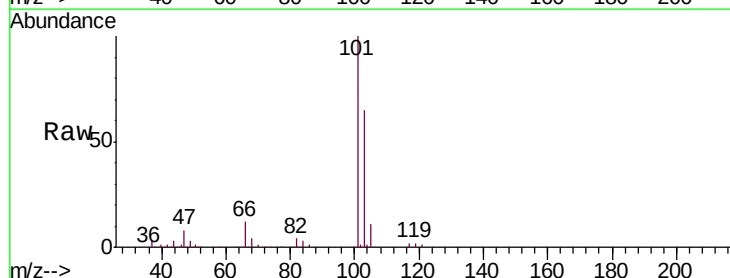
Acq: 14 Aug 2019 19:59

Tgt Ion: 101 Resp: 107937

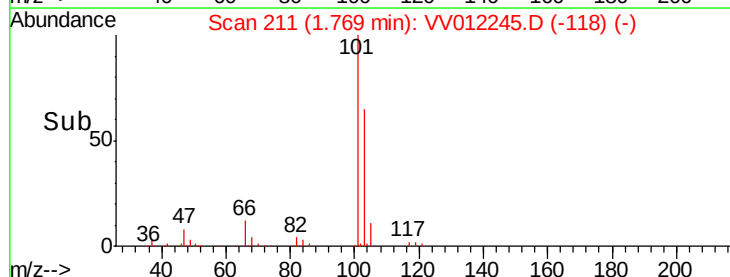
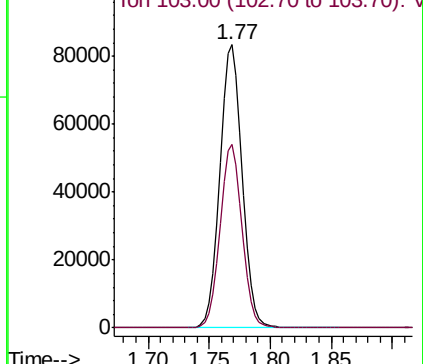
Ion Ratio Lower Upper

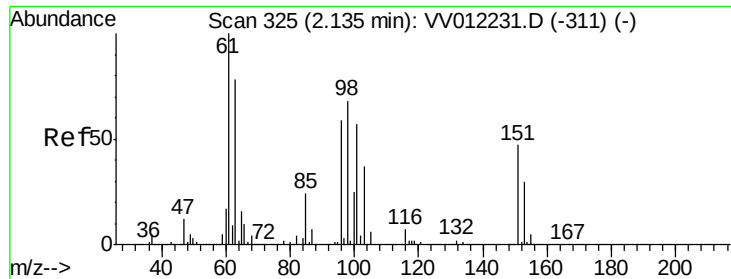
101 100

103 63.7 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VV012231.D (-199) (-)





#10

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

Concen: 4.893 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012245.D

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VSTD00540

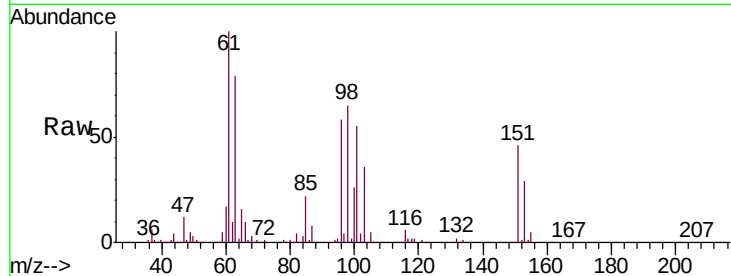
Tgt Ion: 101 Resp: 56941

Ion Ratio Lower Upper

101 100

85 42.1 33.7 50.5

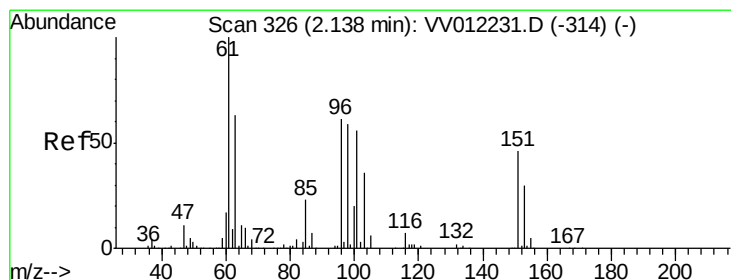
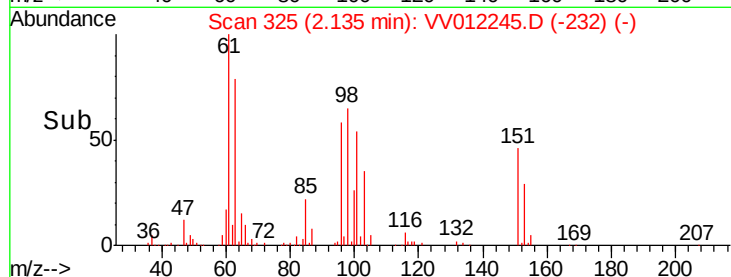
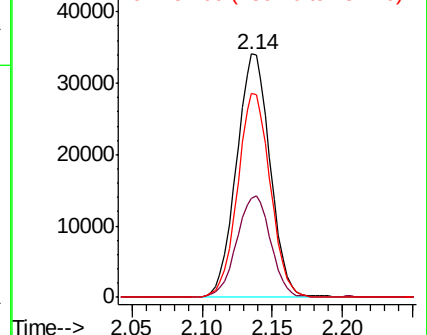
151 81.5 66.3 99.5



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: 4.964 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

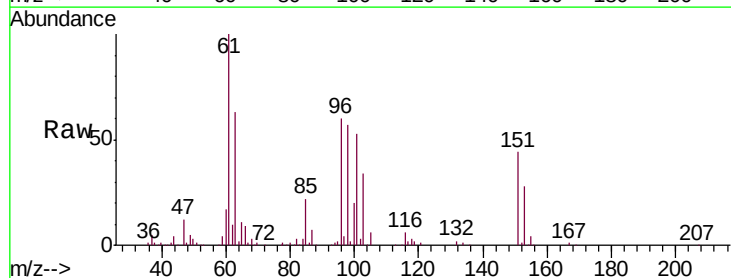
Tgt Ion: 96 Resp: 53498

Ion Ratio Lower Upper

96 100

61 168.0 119.3 221.5

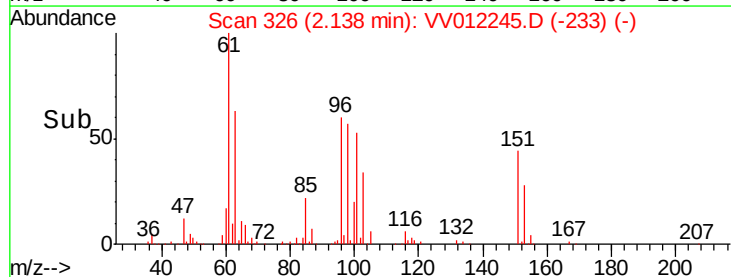
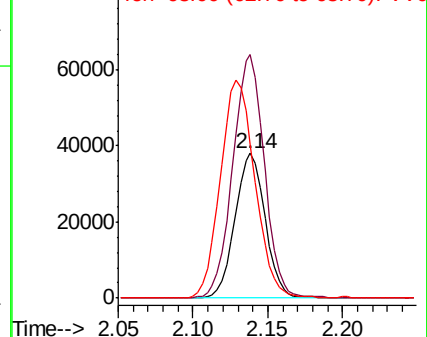
63 105.9 74.9 139.1

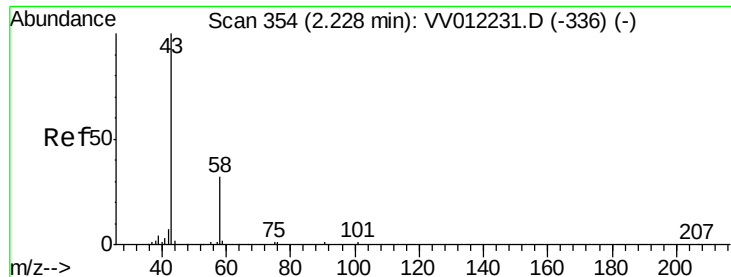


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 46.117 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

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ClientSampleId :

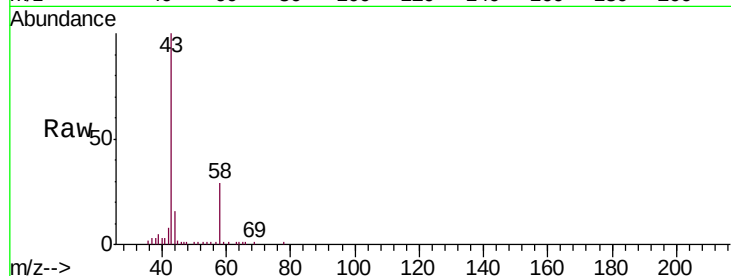
VSTD00540

Tgt Ion: 43 Resp: 78339

Ion Ratio Lower Upper

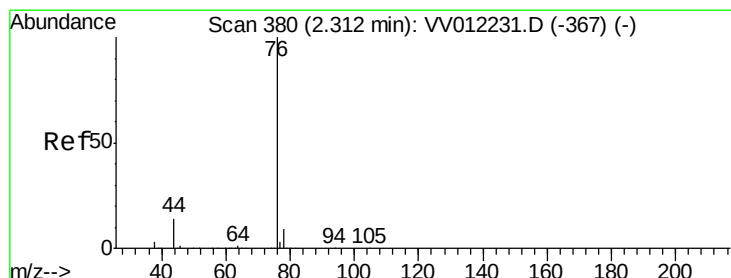
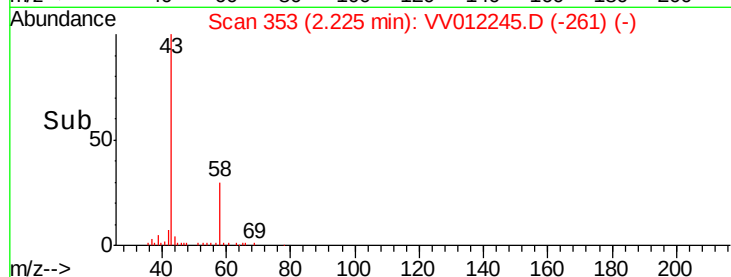
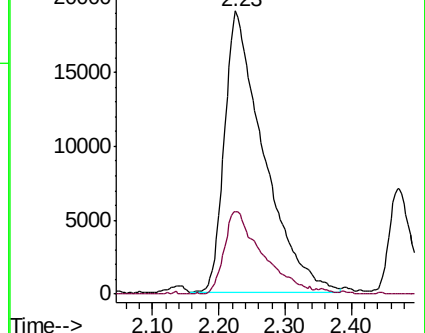
43 100

58 28.5 0.0 59.4



Abundance Ion 43.05 (42.75 to 43.75): VV012231.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV012231.D (-336) (-)



#14

Carbon disulfide

Concen: 3.818 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012245.D

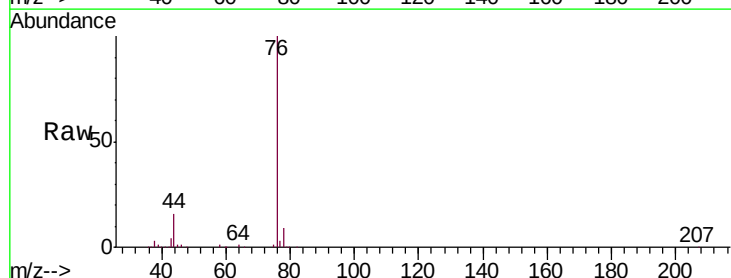
Acq: 14 Aug 2019 19:59

Tgt Ion: 76 Resp: 120485

Ion Ratio Lower Upper

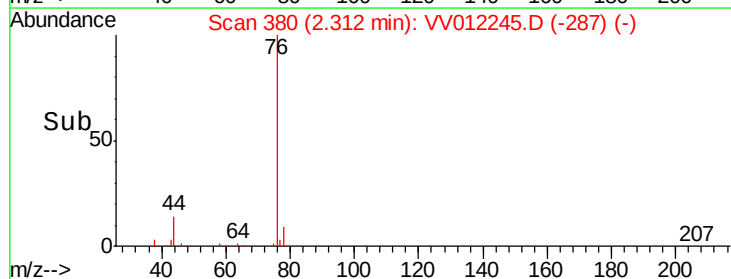
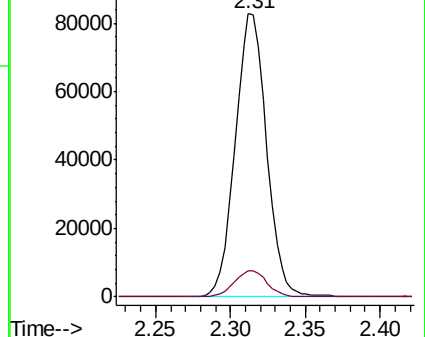
76 100

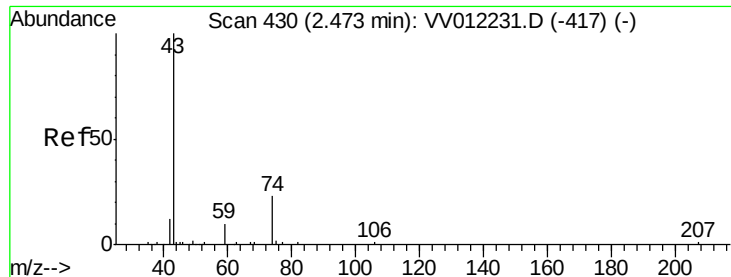
78 9.4 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV012231.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV012231.D (-367) (-)

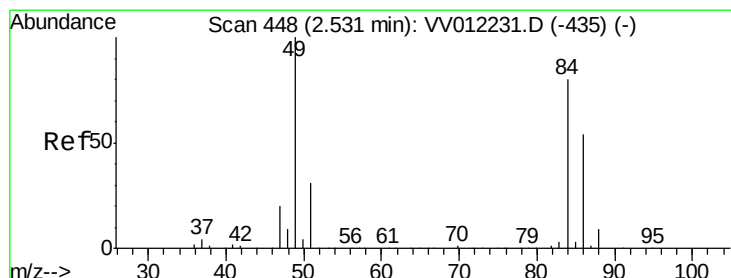
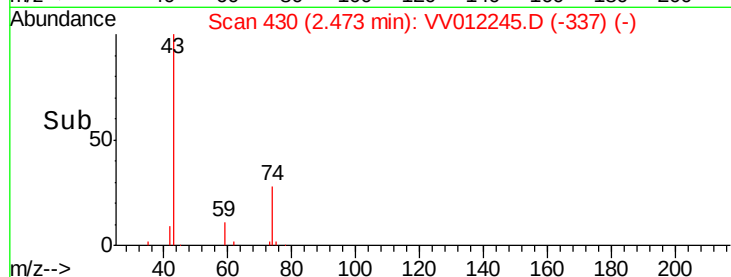
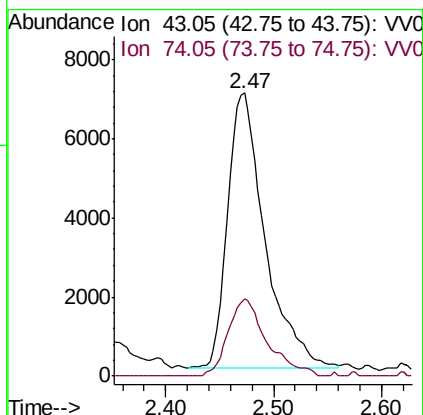
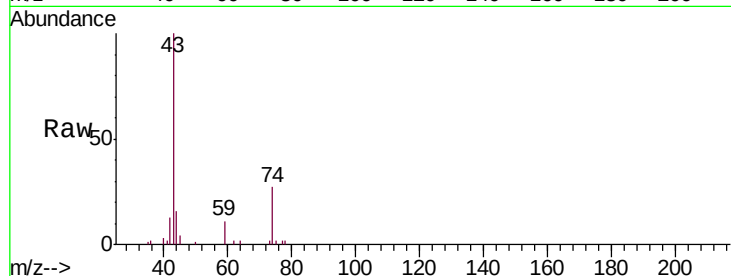




#15
Methyl Acetate
Concen: 3.908 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV012245.D
Acq: 14 Aug 2019 19:59

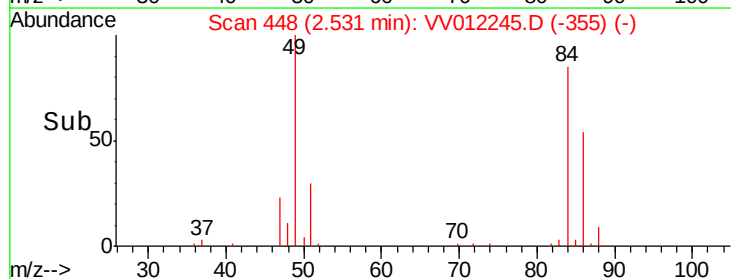
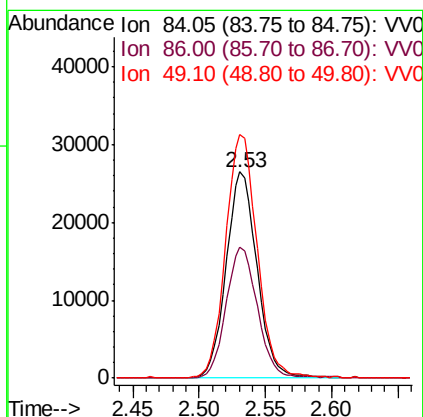
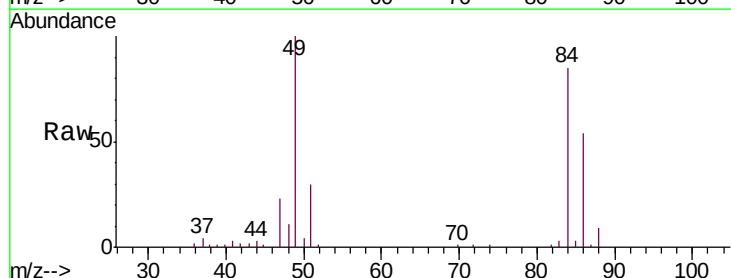
Instrument :
MSVOA_V
ClientSampleId :
VSTD00540

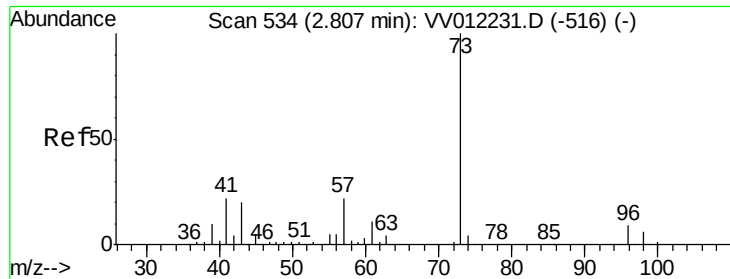
Tgt Ion: 43 Resp: 16759
Ion Ratio Lower Upper
43 100
74 29.2 20.3 30.5



#16
Methylene chloride
Concen: 3.693 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012245.D
Acq: 14 Aug 2019 19:59

Tgt Ion: 84 Resp: 42915
Ion Ratio Lower Upper
84 100
86 63.6 44.4 82.5
49 118.1 85.1 158.1





#17

Methyl tert-butyl Ether

Concen: 4.533 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

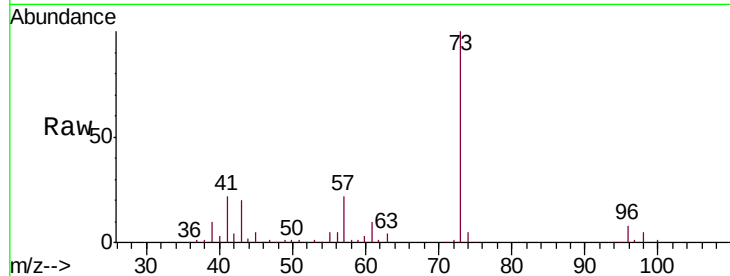
Tgt Ion: 73 Resp: 134560

Ion Ratio Lower Upper

73 100

43 20.1 15.4 23.0

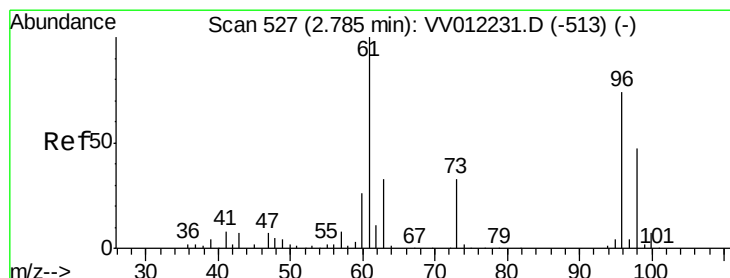
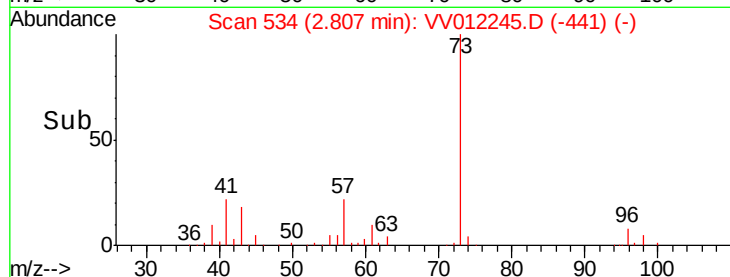
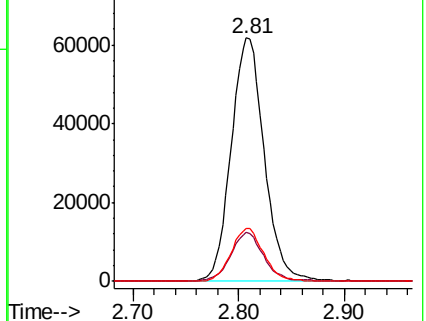
57 21.4 17.8 26.6



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.204 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

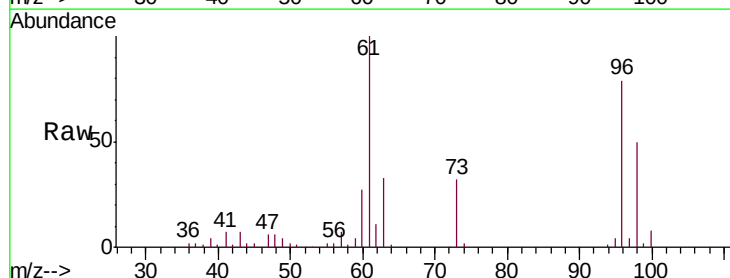
Tgt Ion: 96 Resp: 60442

Ion Ratio Lower Upper

96 100

61 127.3 90.8 168.6

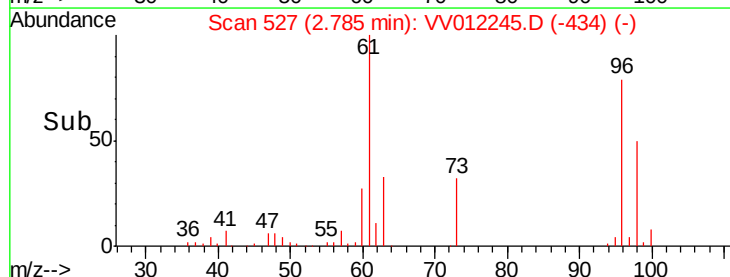
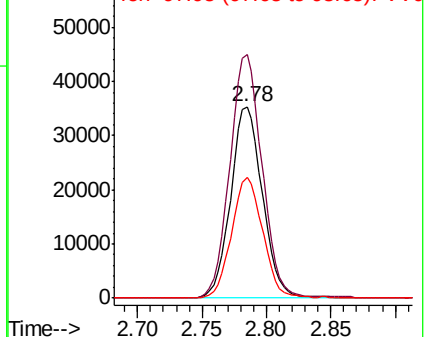
98 63.4 44.4 82.4

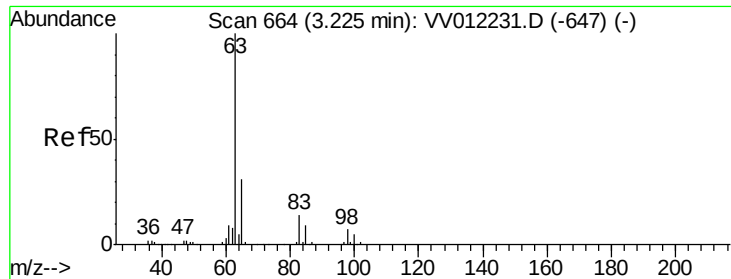


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

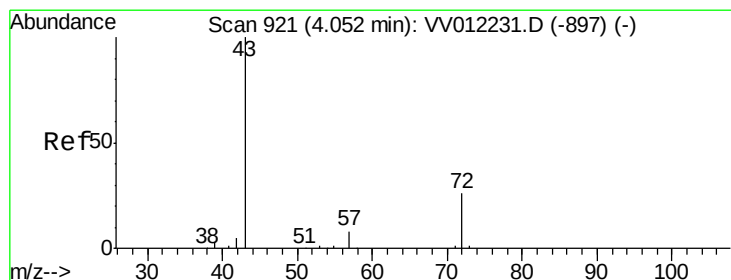
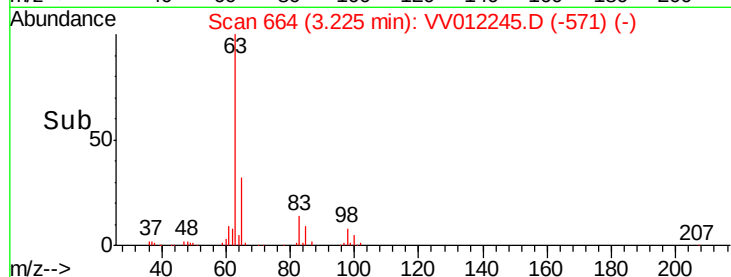
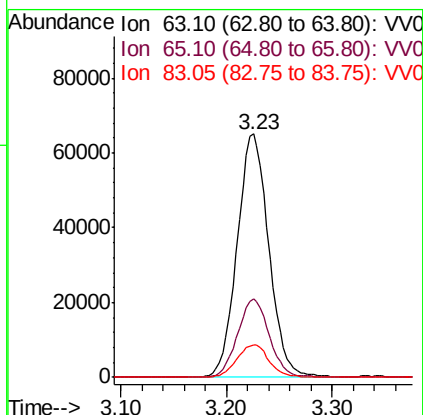
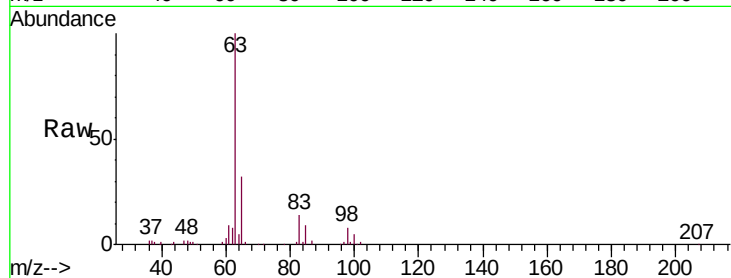




#19
 1,1-Dichloroethane
 Concen: 5.151 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV012245.D
 Acq: 14 Aug 2019 19:59

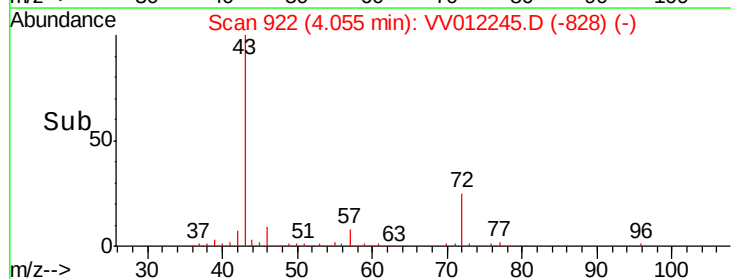
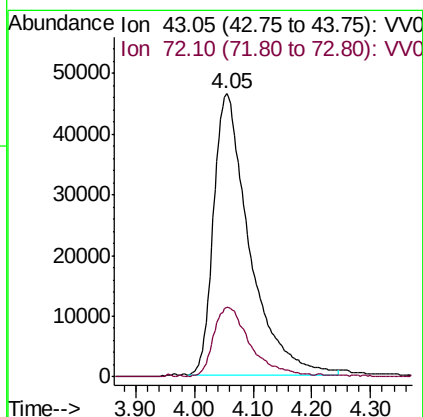
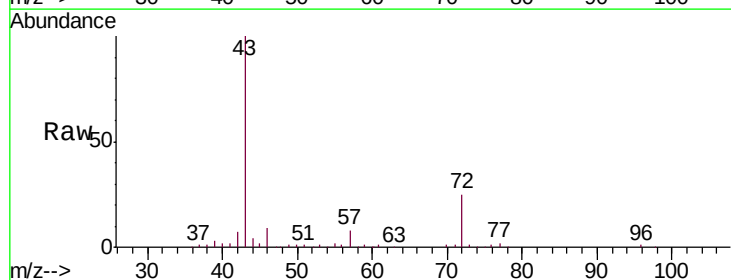
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

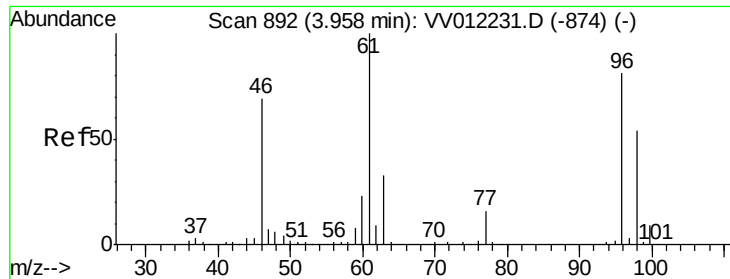
Tgt Ion: 63 Resp: 135601
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.7 40.3
 83 13.5 10.1 18.9



#21
 2-Butanone
 Concen: 56.462 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VV012245.D
 Acq: 14 Aug 2019 19:59

Tgt Ion: 43 Resp: 196111
 Ion Ratio Lower Upper
 43 100
 72 25.9 12.9 38.7

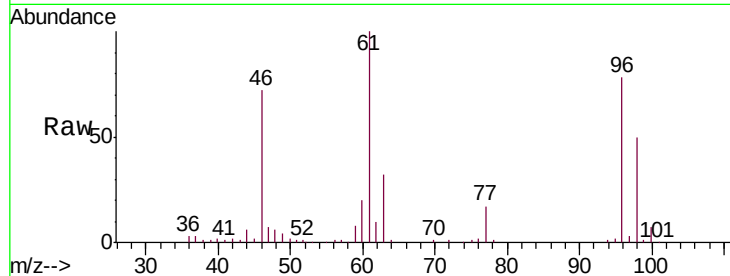




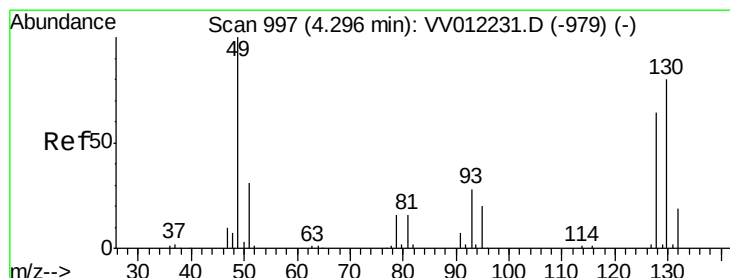
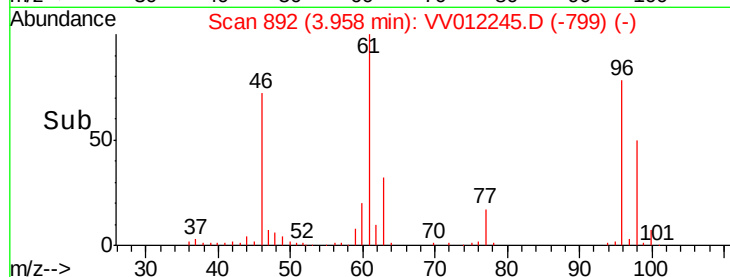
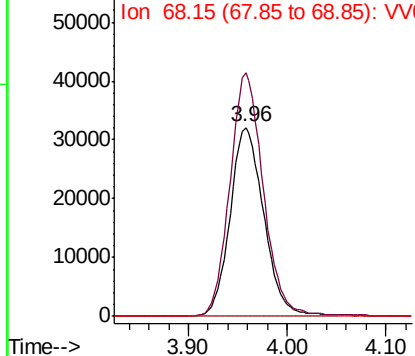
#22
 cis-1,2-Dichloroethene
 Concen: 4.811 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012245.D
 Acq: 14 Aug 2019 19:59

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00540

Tgt Ion: 96 Resp: 76380
 Ion Ratio Lower Upper
 96 100
 61 128.8 86.0 159.6
 68 0.0 0.0 0.0

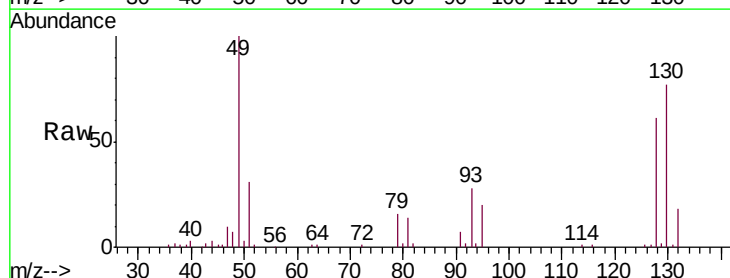


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

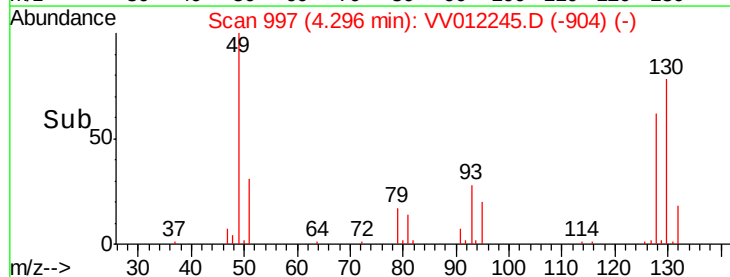
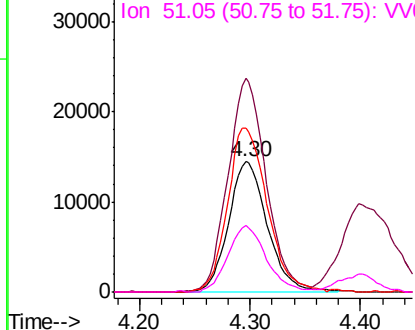


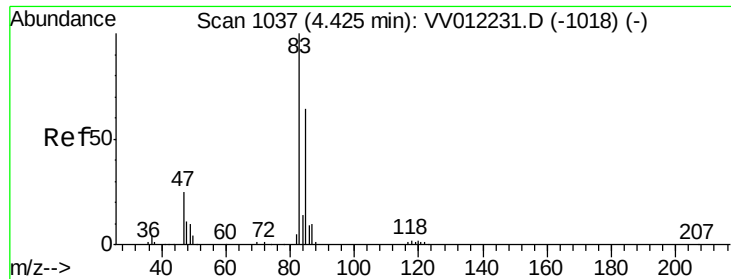
#23
 Bromochloromethane
 Concen: 5.190 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV012245.D
 Acq: 14 Aug 2019 19:59

Tgt Ion: 128 Resp: 35126
 Ion Ratio Lower Upper
 128 100
 49 164.1 111.5 207.1
 130 126.1 87.4 162.4
 51 50.9 38.2 57.2



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

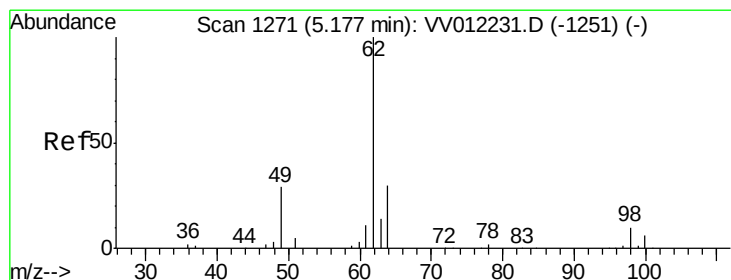
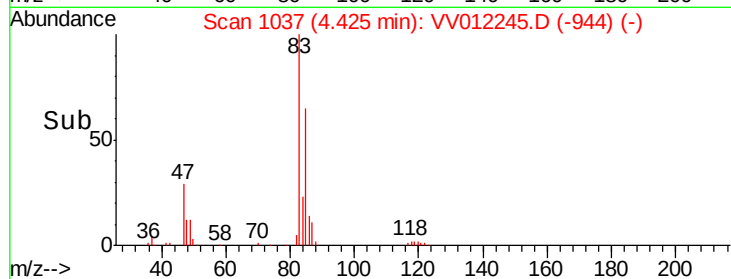
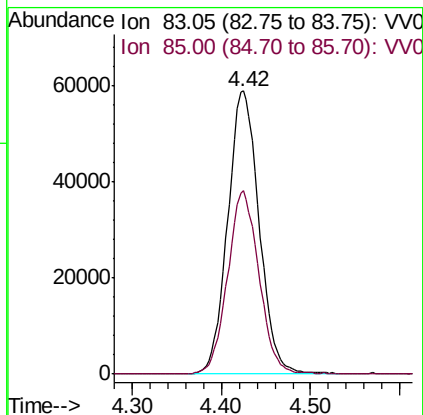
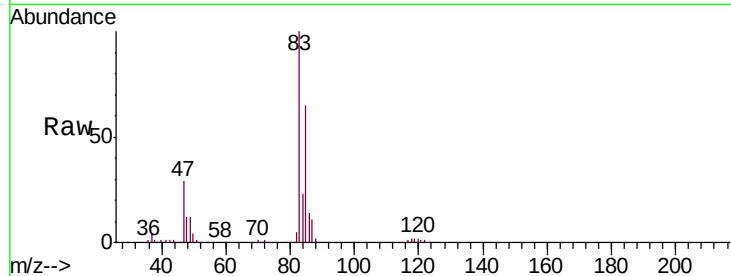




#25
Chloroform
Concen: 4.804 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012245.D
Acq: 14 Aug 2019 19:59

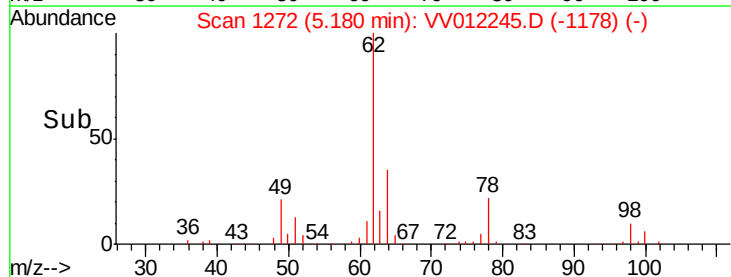
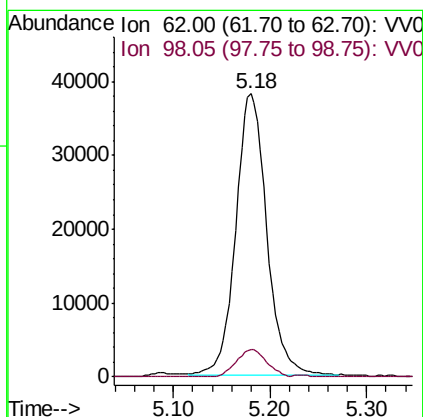
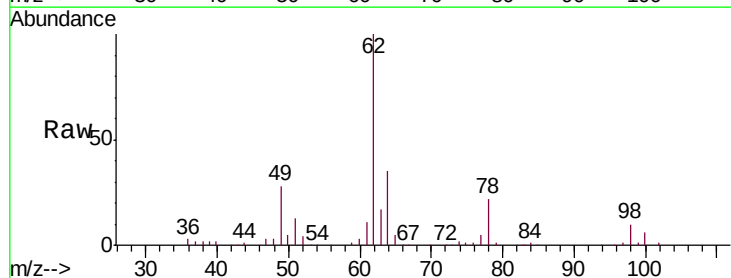
Instrument :
MSVOA_V
ClientSampleId :
VSTD00540

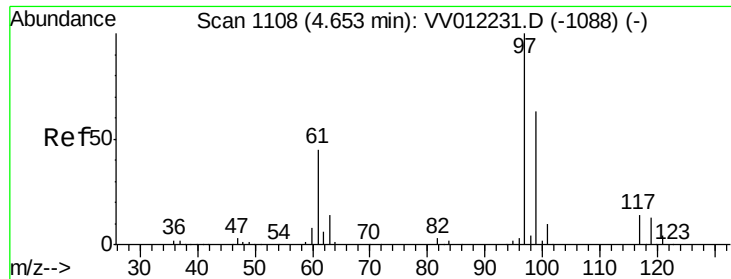
Tgt Ion: 83 Resp: 143623
Ion Ratio Lower Upper
83 100
85 64.6 44.3 82.3



#27
1,2-Dichloroethane
Concen: 5.124 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012245.D
Acq: 14 Aug 2019 19:59

Tgt Ion: 62 Resp: 84124
Ion Ratio Lower Upper
62 100
98 9.6 7.5 11.3

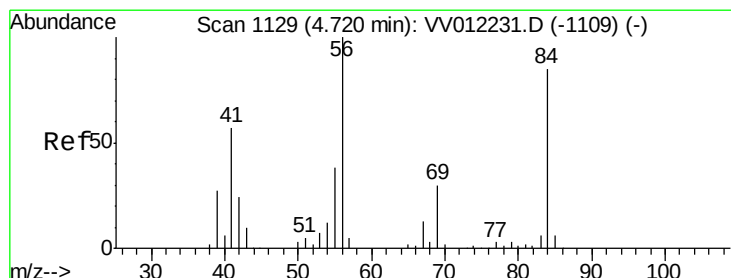
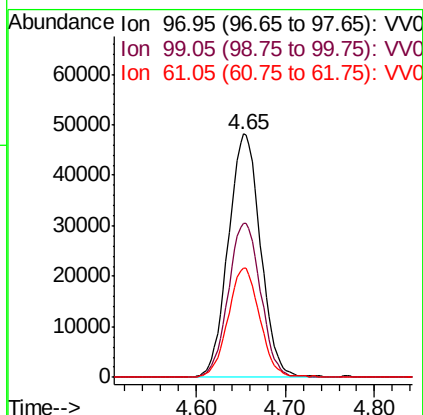
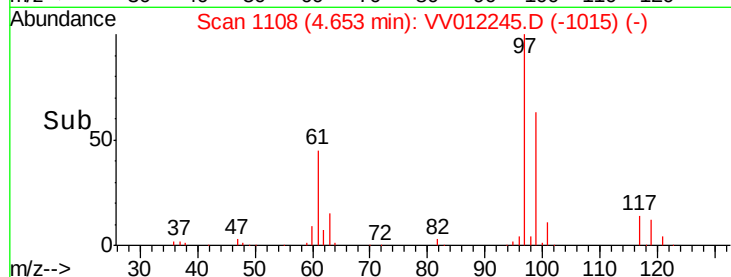
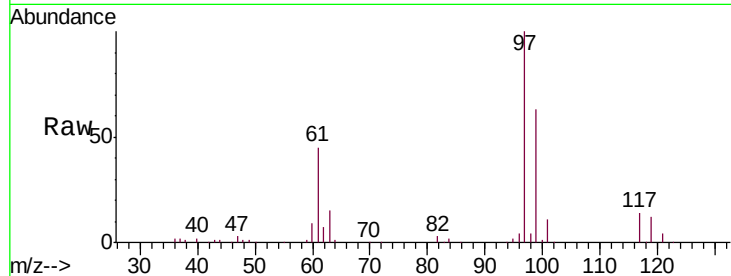




#29
 1,1,1-Trichloroethane
 Concen: 4.909 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV012245.D
 Acq: 14 Aug 2019 19:59

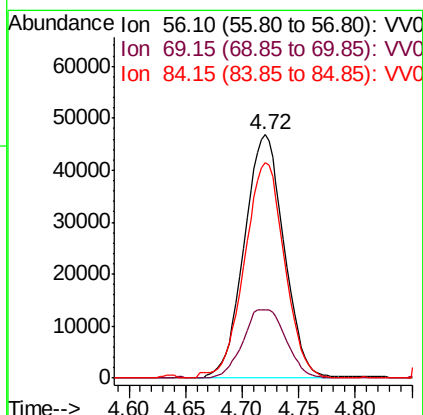
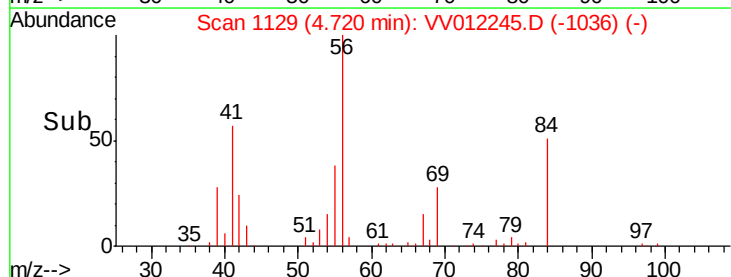
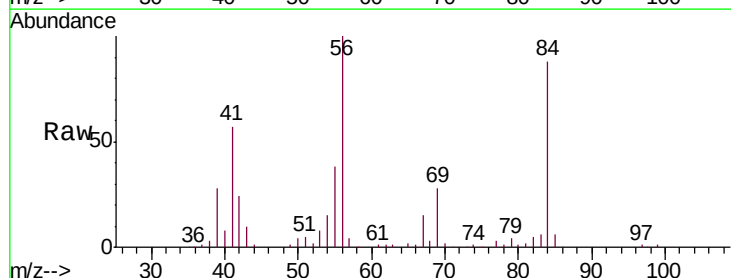
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

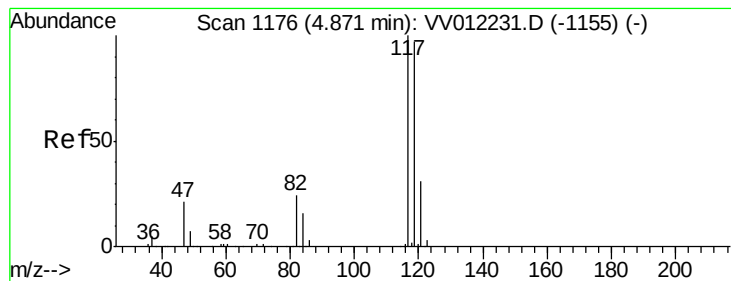
Tgt Ion: 97 Resp: 120746
 Ion Ratio Lower Upper
 97 100
 99 63.4 52.1 78.1
 61 44.3 35.4 53.0



#30
 Cyclohexane
 Concen: 4.681 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV012245.D
 Acq: 14 Aug 2019 19:59

Tgt Ion: 56 Resp: 114652
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.6 36.8
 84 89.1 71.0 106.6





#31

Carbon tetrachloride

Concen: 4.879 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

Instrument :

MSVOA_V

ClientSampleId :

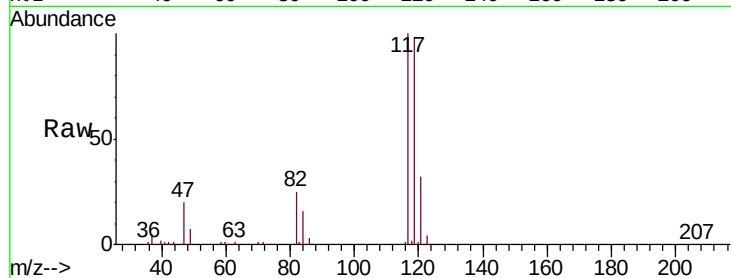
VSTD00540

Tgt Ion:117 Resp: 108575

Ion Ratio Lower Upper

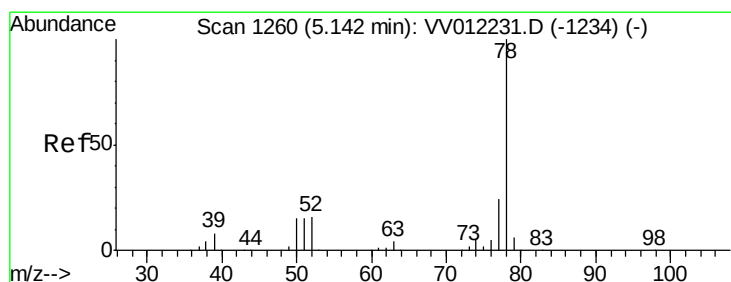
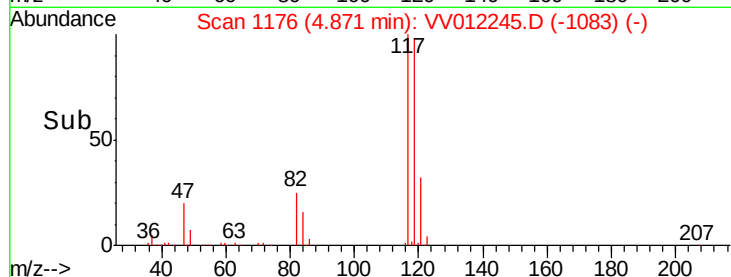
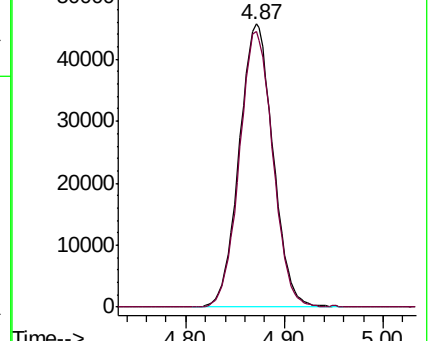
117 100

119 95.9 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.998 ug/L

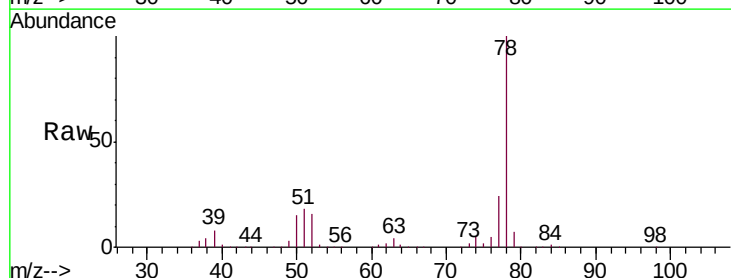
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

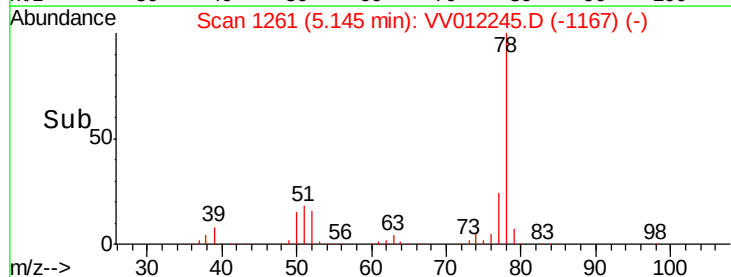
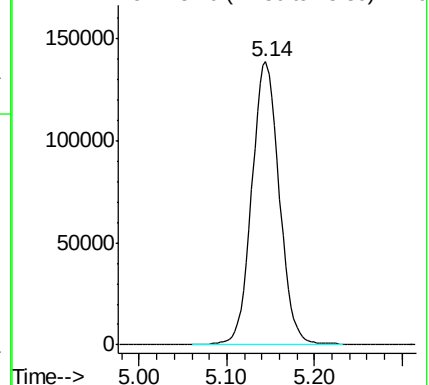
Lab File: VV012245.D

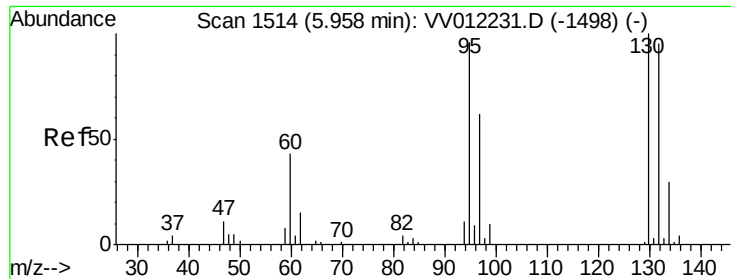
Acq: 14 Aug 2019 19:59

Tgt Ion: 78 Resp: 303161



Abundance Ion 78.10 (77.80 to 78.80): VV0

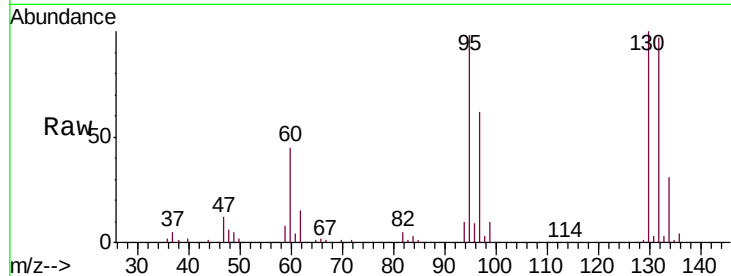




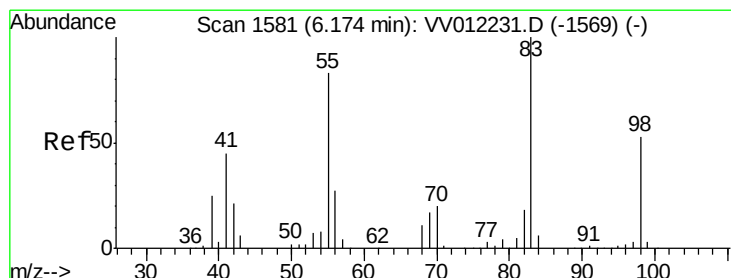
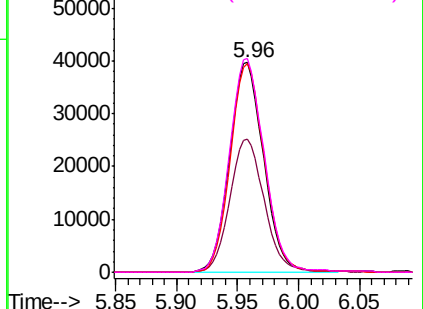
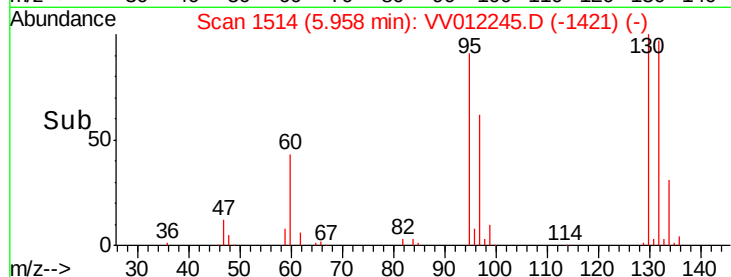
#34
 Trichloroethene
 Concen: 4.690 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV012245.D
 Acq: 14 Aug 2019 19:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

Tgt Ion: 95 Resp: 77057
 Ion Ratio Lower Upper
 95 100
 97 63.5 43.3 80.3
 132 99.4 67.5 125.3
 130 102.0 74.9 139.1

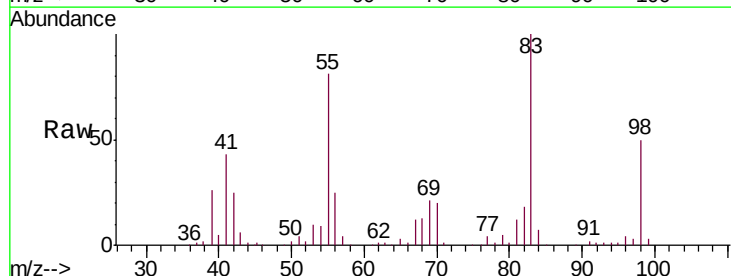


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

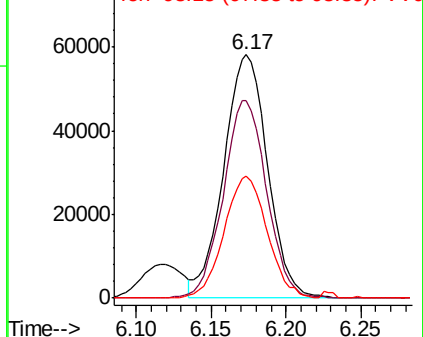
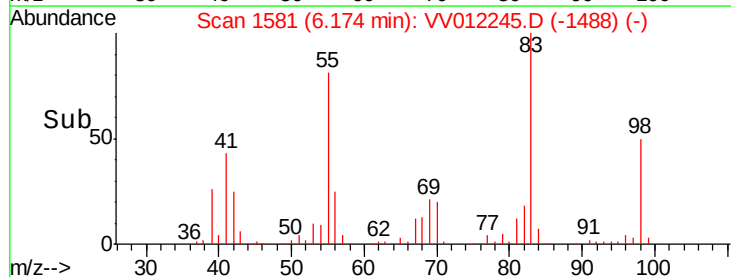


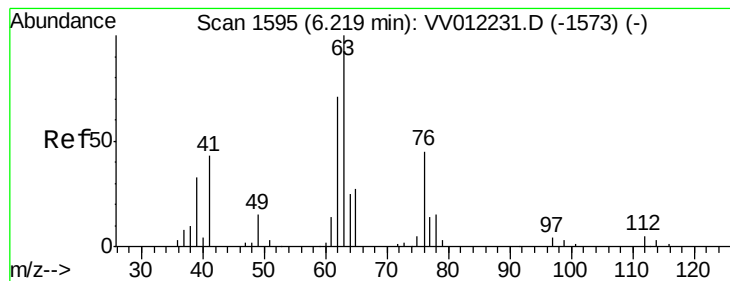
#35
 Methylcyclohexane
 Concen: 4.654 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012245.D
 Acq: 14 Aug 2019 19:59

Tgt Ion: 83 Resp: 118807
 Ion Ratio Lower Upper
 83 100
 55 80.4 62.2 93.2
 98 49.4 39.2 58.8



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: 4.901 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

Instrument :

MSVOA_V

ClientSampleId :

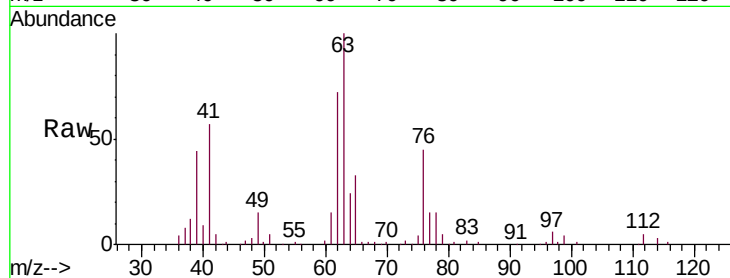
VSTD00540

Tgt Ion: 63 Resp: 74178

Ion Ratio Lower Upper

63 100

112 5.3 3.8 5.8



Abundance Ion 63.10 (62.80 to 63.80): VV012245.D (-1502) (-)

Ion 112.10 (111.80 to 112.80): VV012245.D (-1502) (-)

6.22

40000

30000

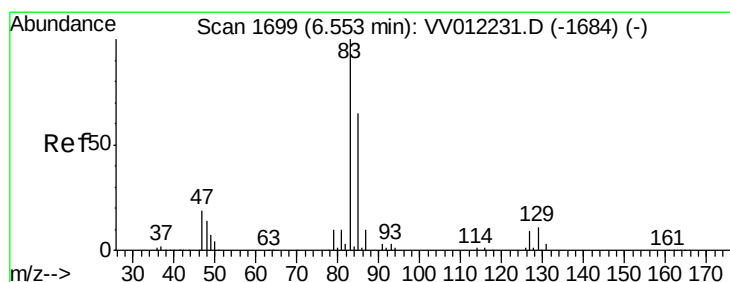
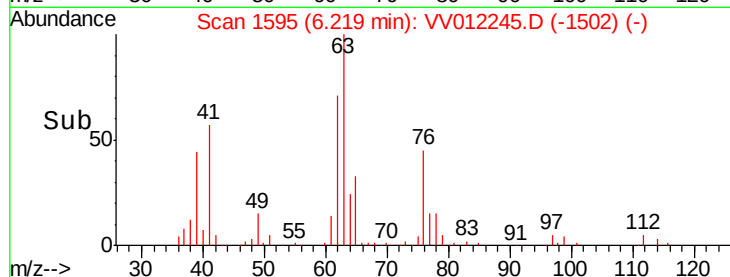
20000

10000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.002 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

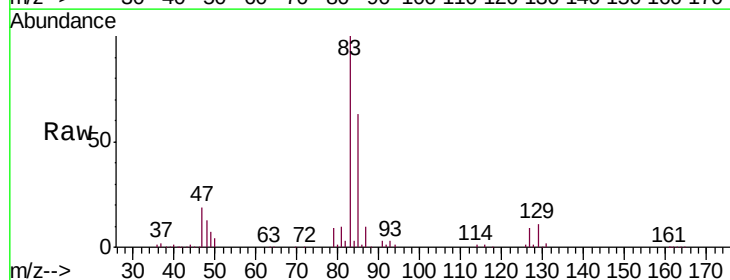
Tgt Ion: 83 Resp: 97535

Ion Ratio Lower Upper

83 100

85 63.4 45.9 85.3

127 9.4 7.4 11.2



Abundance Ion 82.95 (82.65 to 83.65): VV012245.D (-1606) (-)

Ion 85.00 (84.70 to 85.70): VV012245.D (-1606) (-)

Ion 126.90 (126.60 to 127.60): VV012245.D (-1606) (-)

6.55

60000

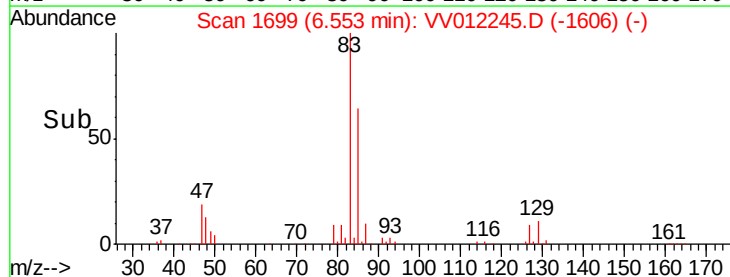
40000

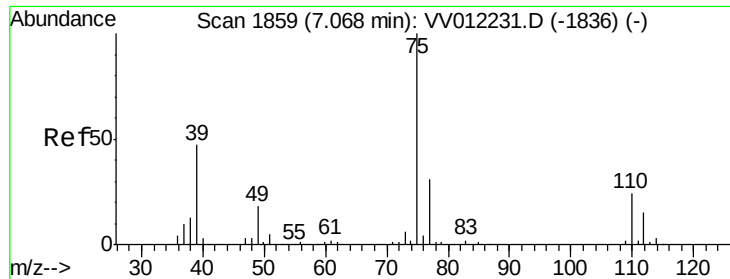
20000

0

6.50 6.55 6.60

Time-->

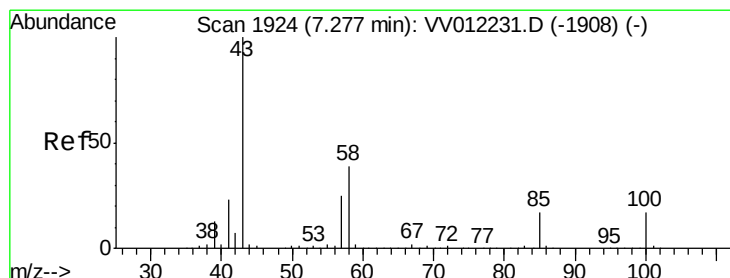
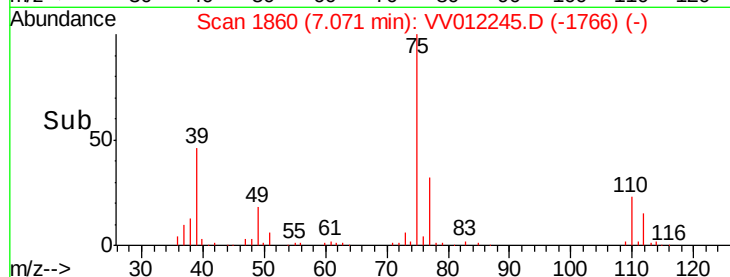
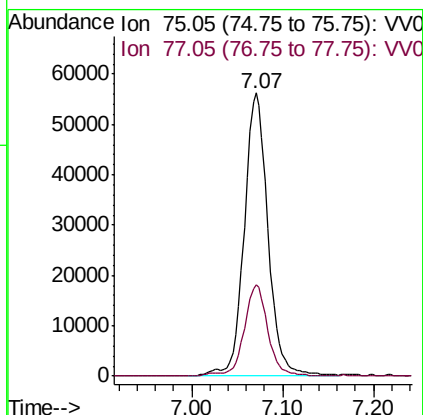
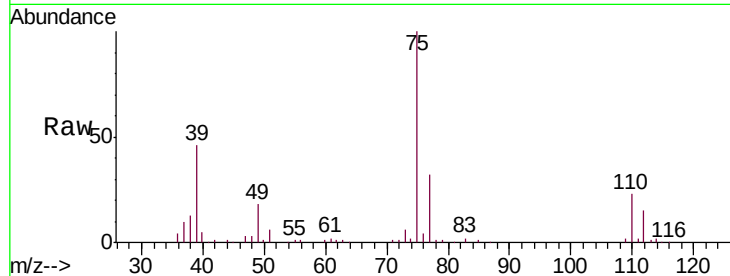




#39
 cis-1,3-Dichloropropene
 Concen: 4.910 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012245.D
 Acq: 14 Aug 2019 19:59

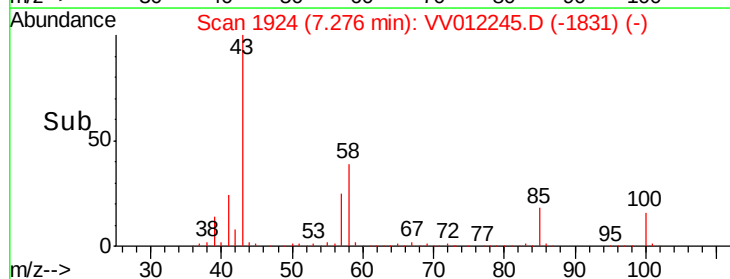
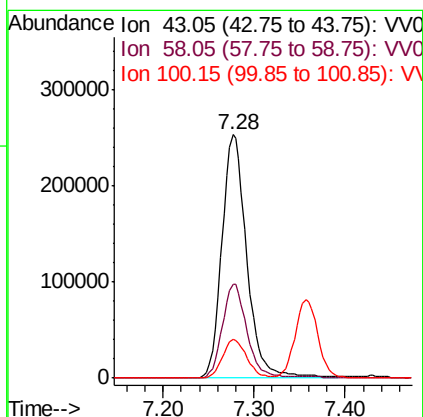
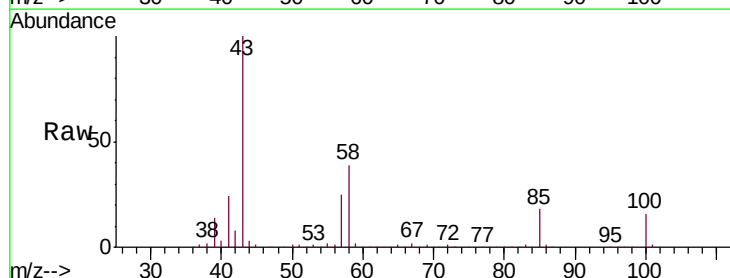
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

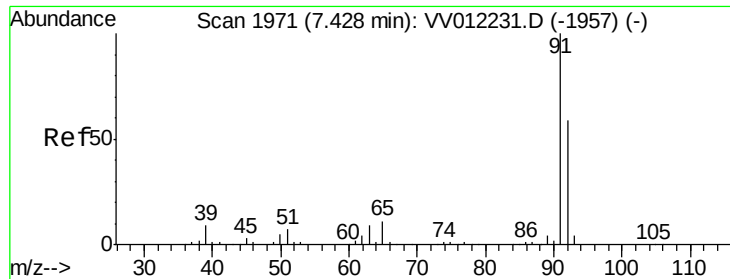
Tgt Ion: 75 Resp: 102337
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 57.983 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV012245.D
 Acq: 14 Aug 2019 19:59

Tgt Ion: 43 Resp: 482446
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.7 46.1
 100 15.5 12.5 18.7





#42

Toluene

Concen: 5.031 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

Instrument :

MSVOA_V

ClientSampleId :

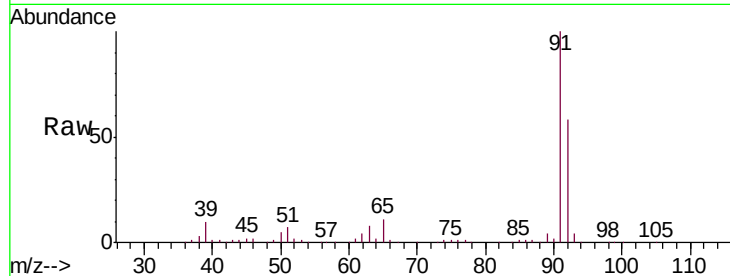
VSTD00540

Tgt Ion: 91 Resp: 324653

Ion Ratio Lower Upper

91 100

92 57.8 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

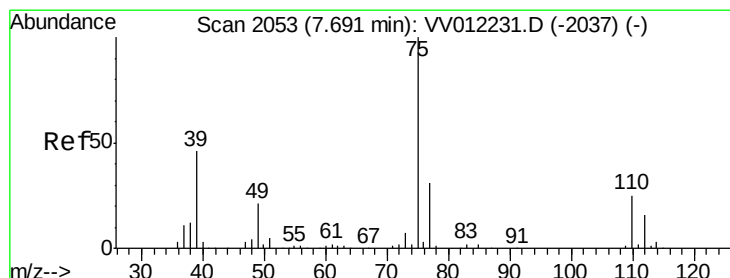
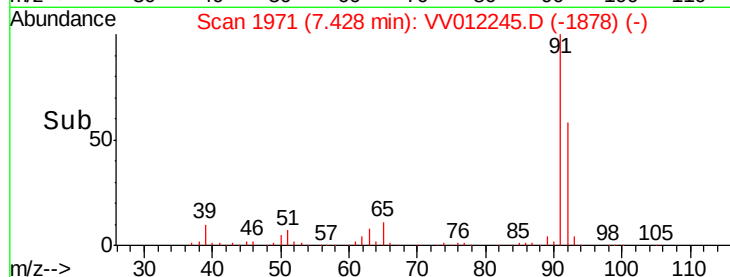
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.094 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012245.D

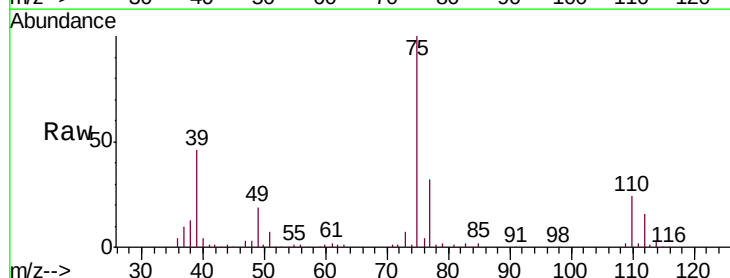
Acq: 14 Aug 2019 19:59

Tgt Ion: 75 Resp: 83552

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

50000

40000

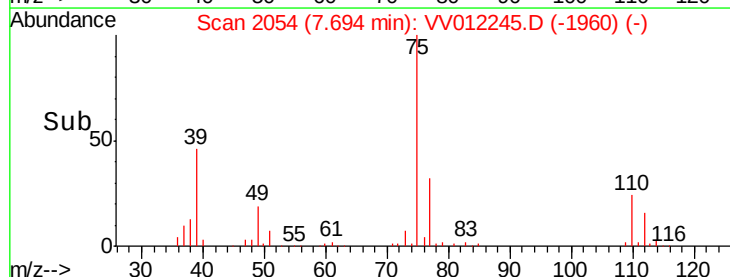
30000

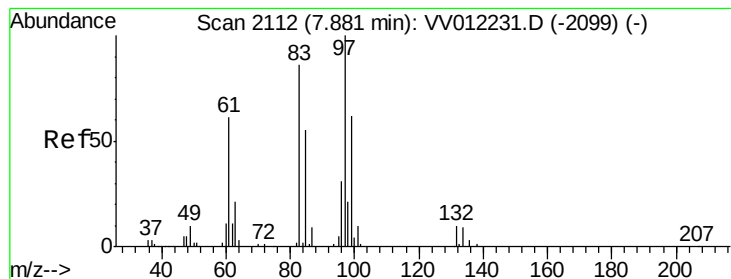
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.312 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

Tgt Ion: 97 Resp: 53620

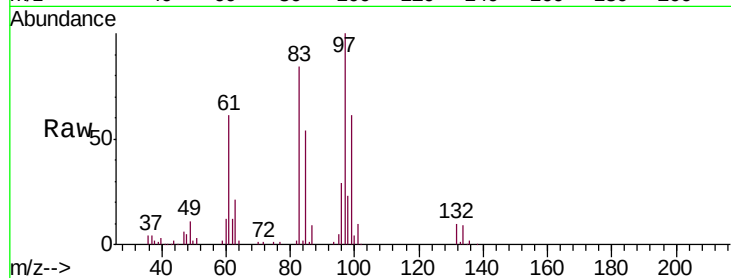
Ion Ratio Lower Upper

97 100

99 60.9 45.4 84.2

83 83.8 60.1 111.5

85 54.1 39.8 73.8



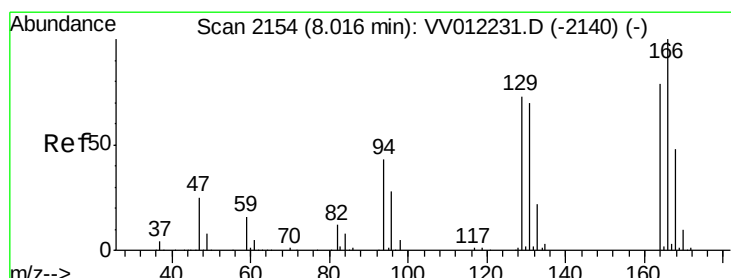
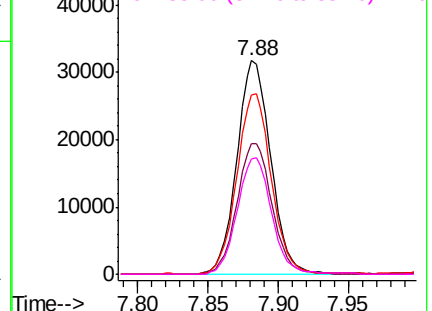
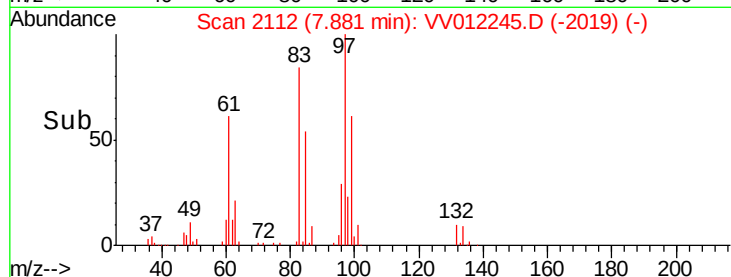
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 4.831 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

Tgt Ion: 164 Resp: 65418

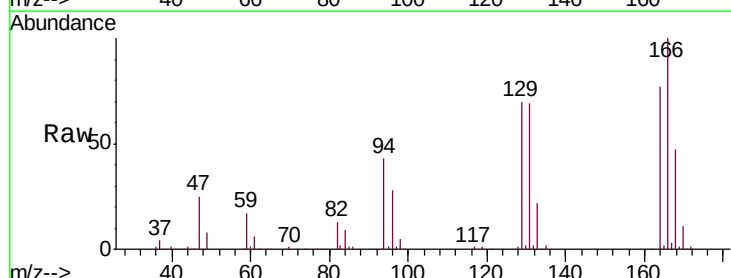
Ion Ratio Lower Upper

164 100

129 90.5 65.8 122.2

131 88.8 61.9 114.9

166 129.6 88.3 164.1



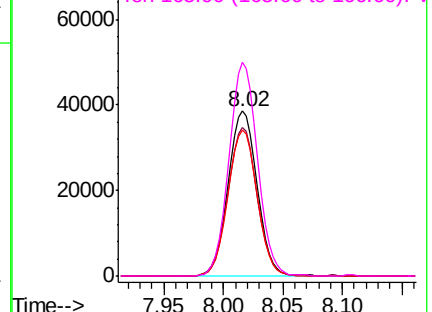
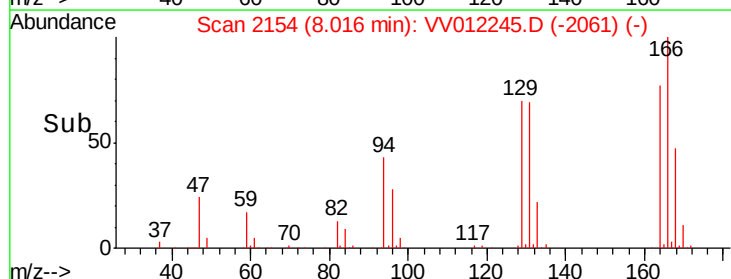
Abundance

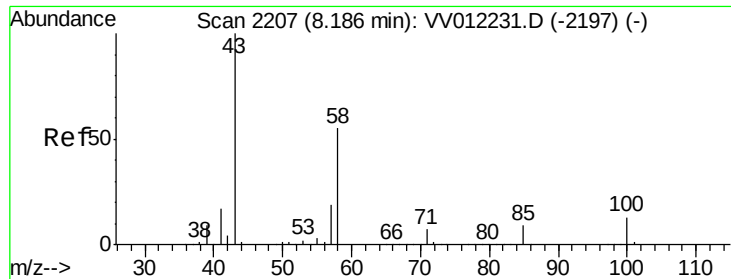
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

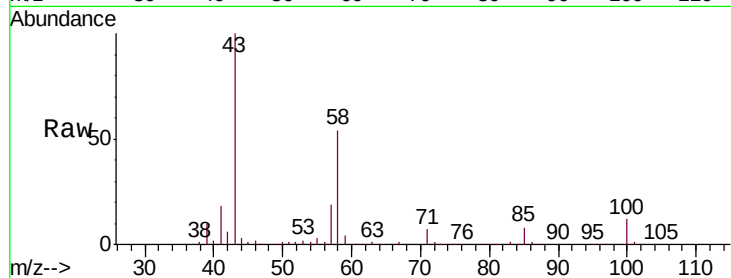




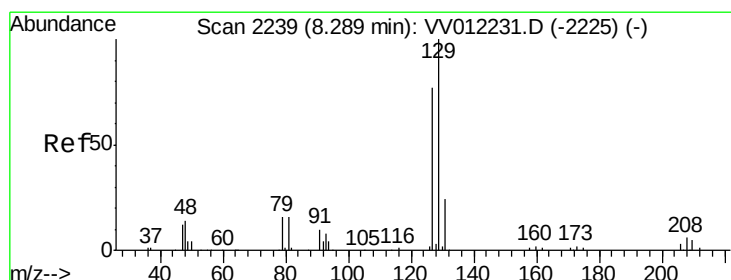
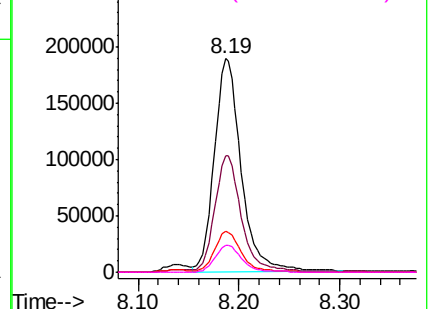
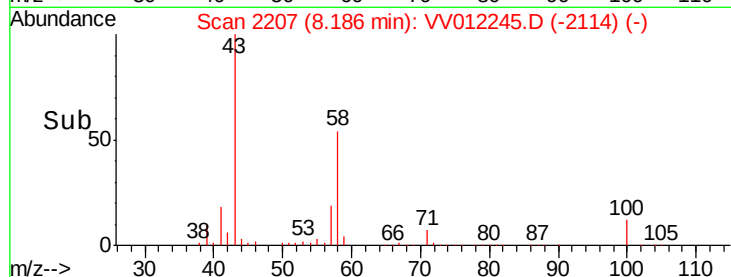
#48
2-Hexanone
Concen: 59.270 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012245.D
Acq: 14 Aug 2019 19:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD00540

Tgt Ion:	43	Resp:	347583
Ion	Ratio	Lower	Upper
43	100		
58	54.5	43.0	64.4
57	18.6	14.9	22.3
100	12.8	10.3	15.5

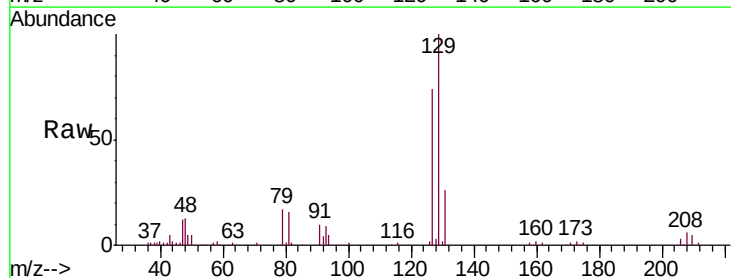


Abundance Ion 43.05 (42.75 to 43.75): VV012245.D (-2114) (-)
Ion 58.05 (57.75 to 58.75): VV012245.D (-2114) (-)
Ion 57.20 (56.90 to 57.90): VV012245.D (-2114) (-)
Ion 100.15 (99.85 to 100.85): VV012245.D (-2114) (-)

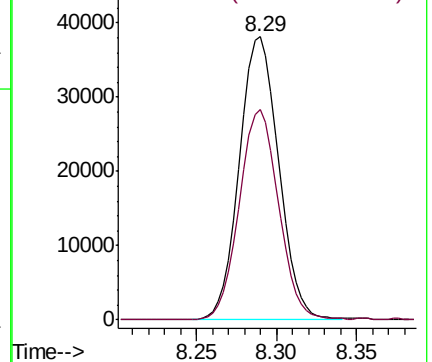
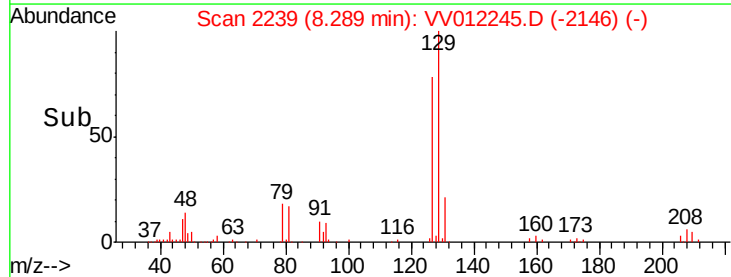


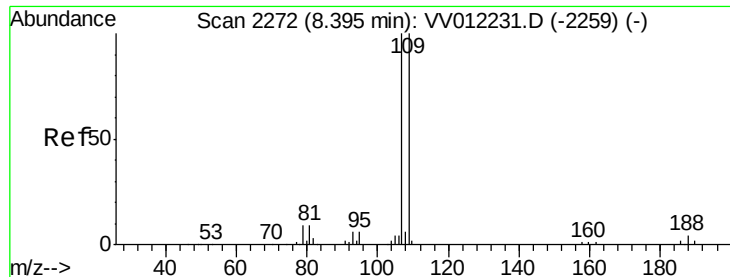
#49
Dibromochloromethane
Concen: 5.113 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012245.D
Acq: 14 Aug 2019 19:59

Tgt Ion:	129	Resp:	64070
Ion	Ratio	Lower	Upper
129	100		
127	74.2	51.0	94.8



Abundance Ion 128.95 (128.65 to 129.65): VV012245.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV012245.D (-2146) (-)

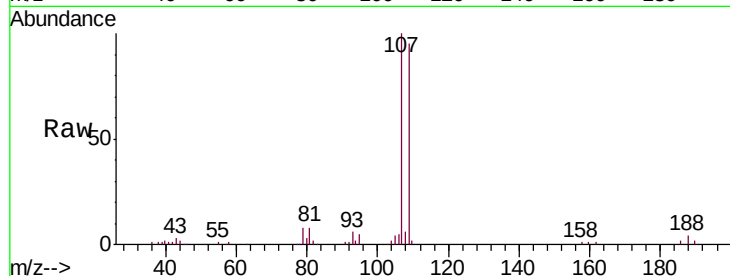




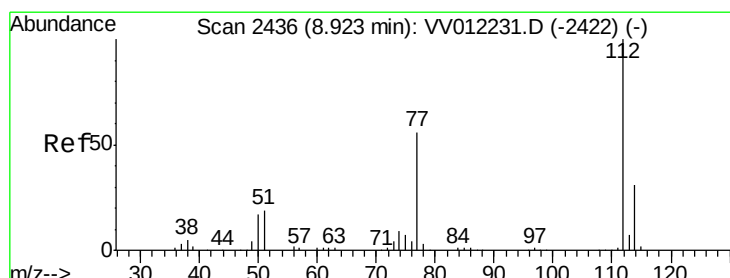
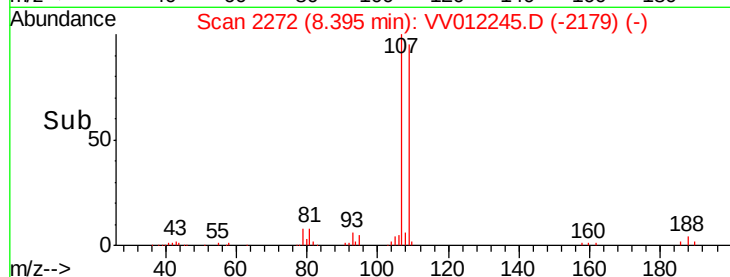
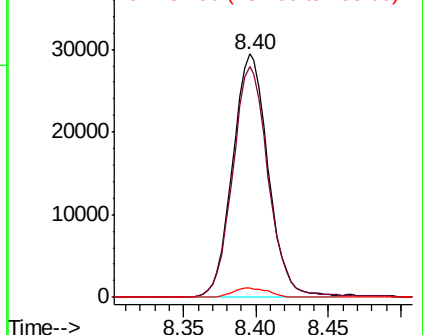
#50
1,2-Dibromoethane
Concen: 5.157 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012245.D
Acq: 14 Aug 2019 19:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD00540

Tgt Ion:107 Resp: 50289
Ion Ratio Lower Upper
107 100
109 94.8 67.3 125.1
188 3.7 3.4 5.0

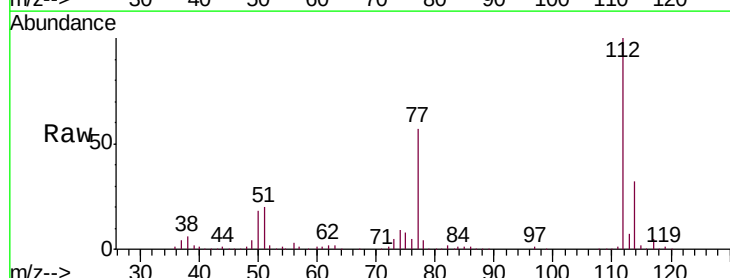


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

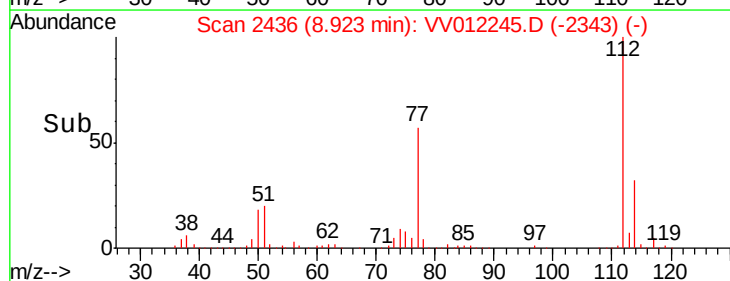
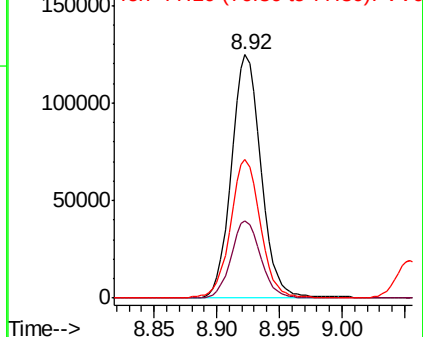


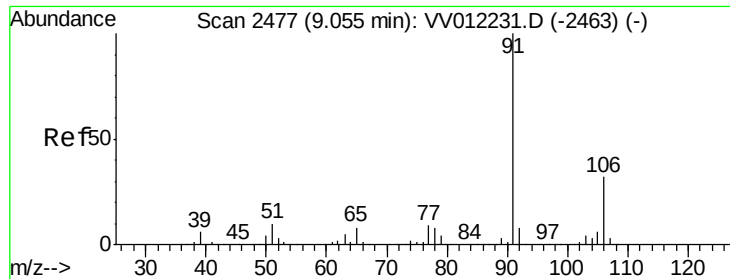
#51
Chlorobenzene
Concen: 4.894 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012245.D
Acq: 14 Aug 2019 19:59

Tgt Ion:112 Resp: 204478
Ion Ratio Lower Upper
112 100
114 31.9 22.8 42.4
77 56.7 45.4 68.2



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 4.924 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

Instrument :

MSVOA_V

ClientSampleId :

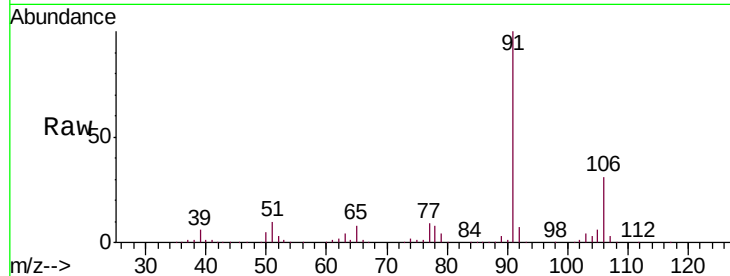
VSTD00540

Tgt Ion: 91 Resp: 338618

Ion Ratio Lower Upper

91 100

106 31.1 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VV012231.D (-2463) (-)

Ion 106.15 (105.85 to 106.85): VV012231.D (-2463) (-)

9.05

250000

200000

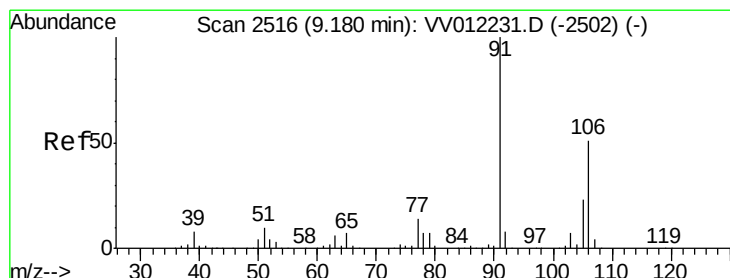
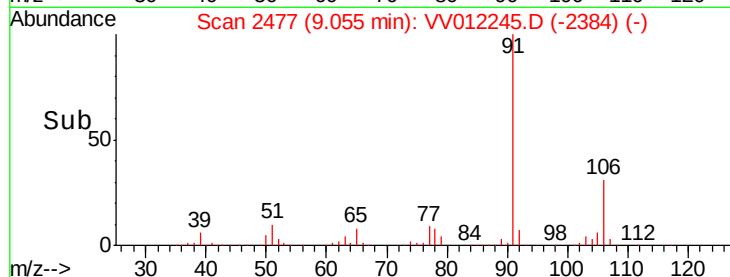
150000

100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#53

m,p-xylene

Concen: 4.998 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012245.D

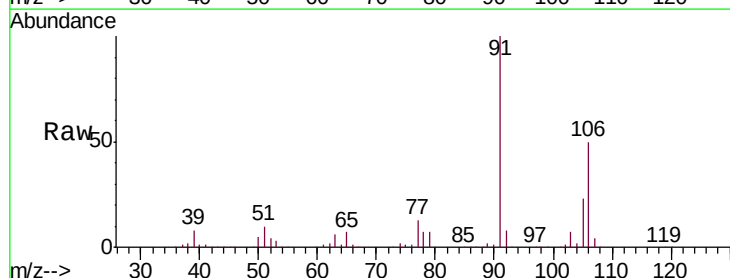
Acq: 14 Aug 2019 19:59

Tgt Ion: 106 Resp: 131995

Ion Ratio Lower Upper

106 100

91 200.6 137.5 255.3



Abundance Ion 106.15 (105.85 to 106.85): VV012231.D (-2502) (-)

Ion 91.15 (90.85 to 91.85): VV012231.D (-2502) (-)

9.18

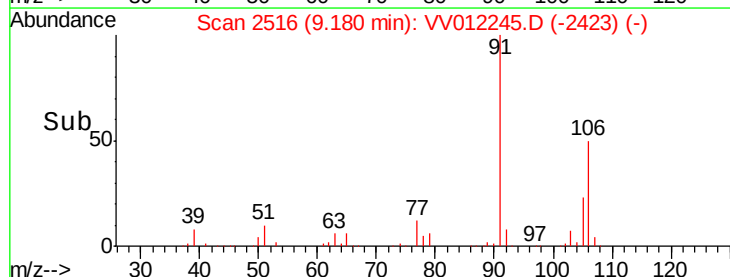
150000

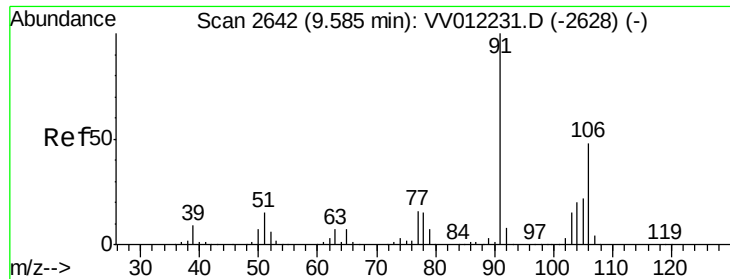
100000

50000

0

Time--> 9.10 9.15 9.20 9.25

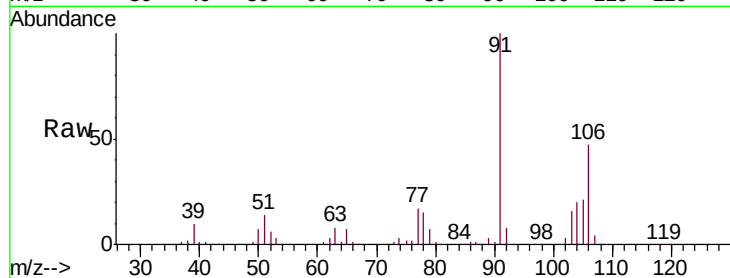




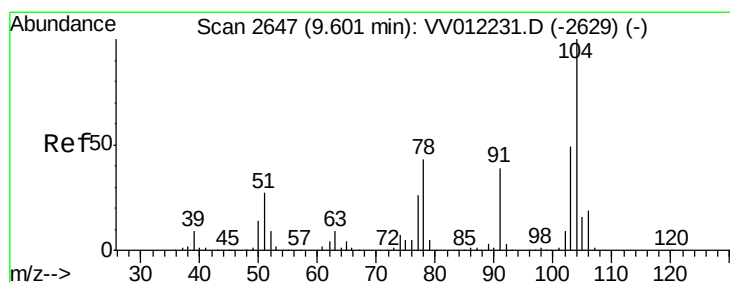
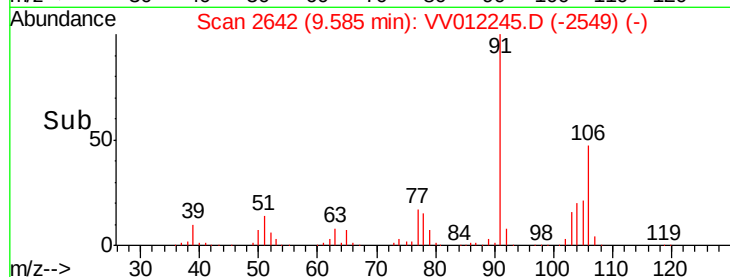
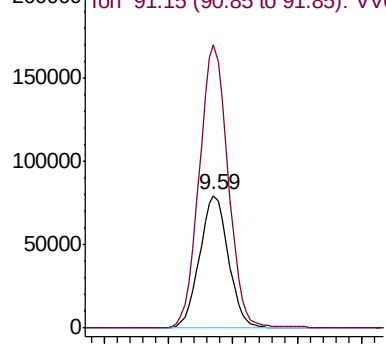
#54
o-xylene
Concen: 4.967 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012245.D
Acq: 14 Aug 2019 19:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD00540

Tgt Ion:106 Resp: 124140
Ion Ratio Lower Upper
106 100
91 213.3 151.1 280.7

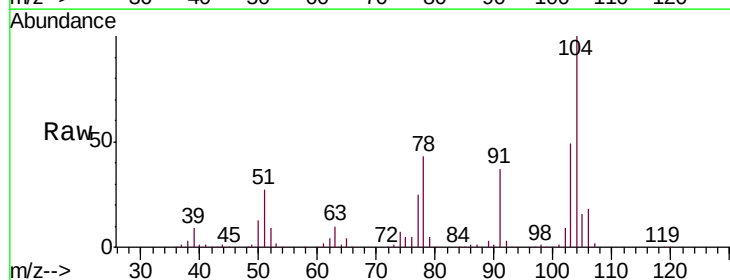


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

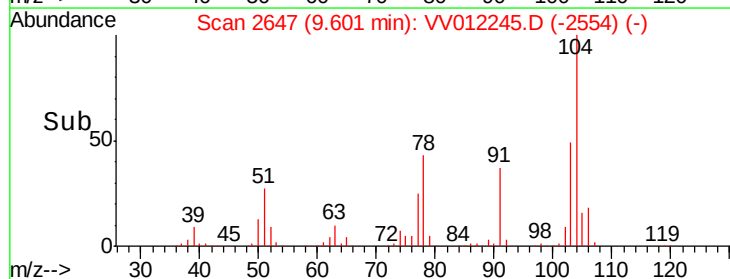
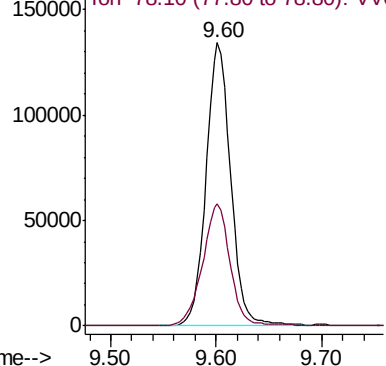


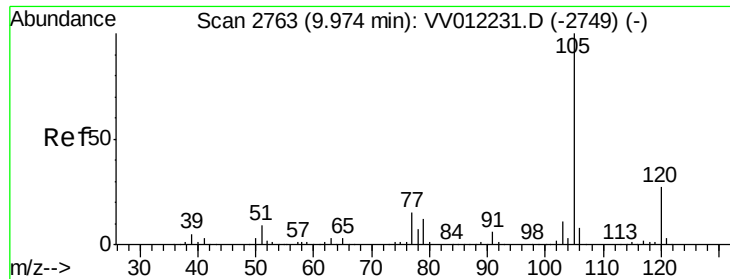
#55
Styrene
Concen: 5.196 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV012245.D
Acq: 14 Aug 2019 19:59

Tgt Ion:104 Resp: 217002
Ion Ratio Lower Upper
104 100
78 43.3 30.3 56.3



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





#56

Isopropylbenzene

Concen: 4.938 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

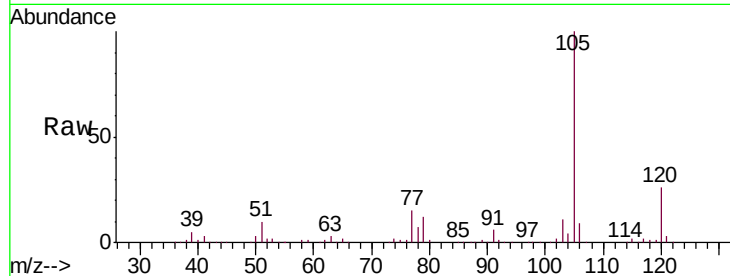
Tgt Ion: 105 Resp: 330037

Ion Ratio Lower Upper

105 100

120 26.5 22.0 33.0

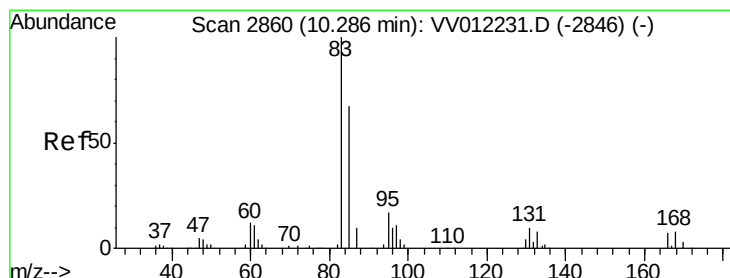
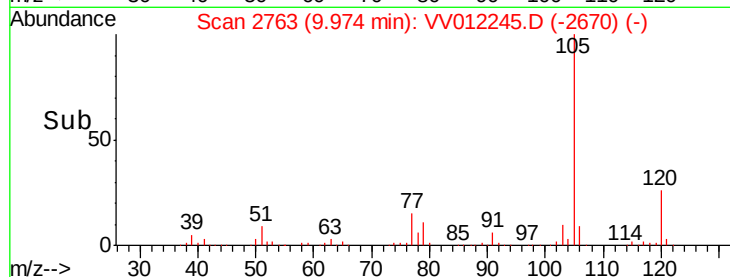
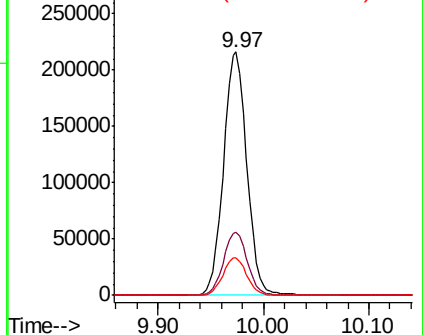
77 15.6 12.5 18.7



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: 5.334 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

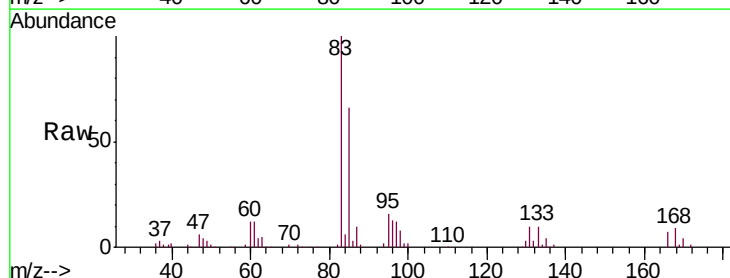
Tgt Ion: 83 Resp: 62462

Ion Ratio Lower Upper

83 100

85 66.3 45.0 83.6

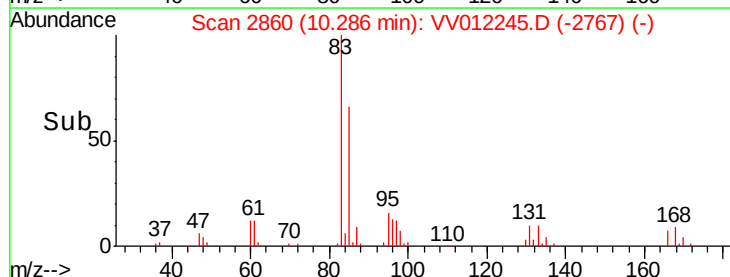
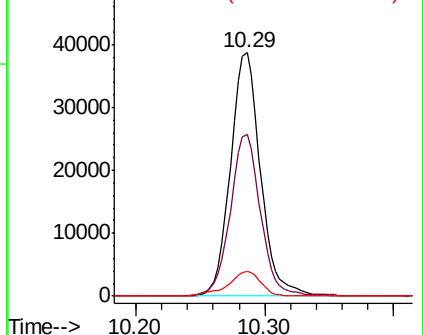
131 10.2 8.3 12.5

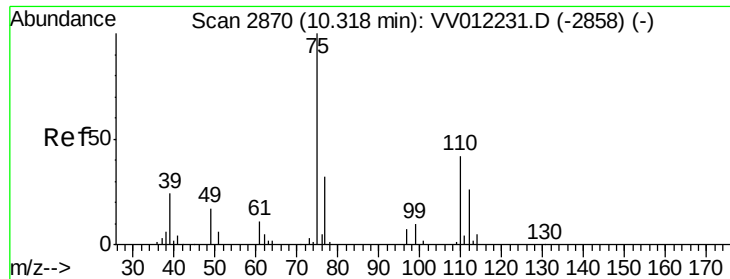


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

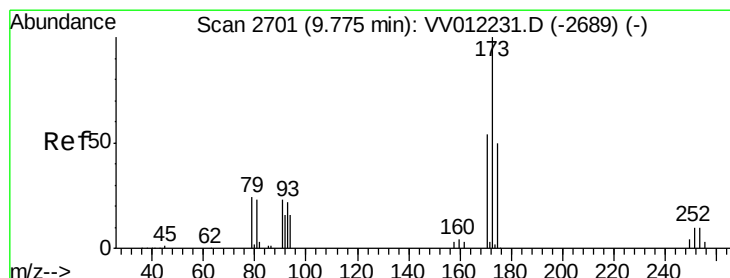
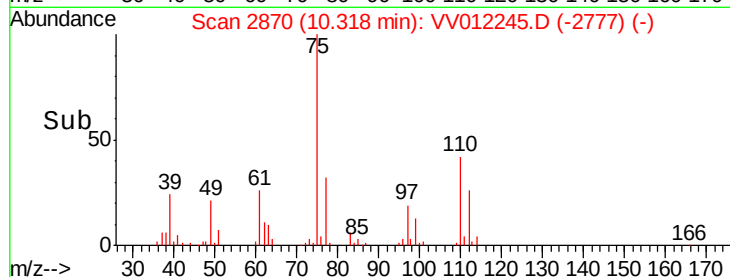
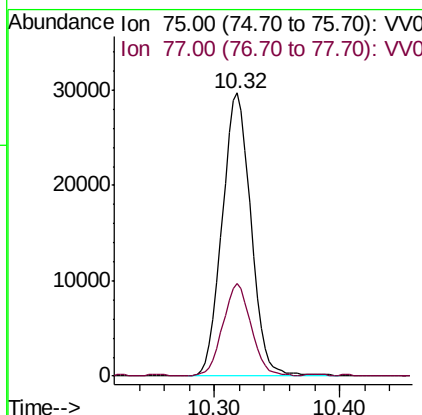
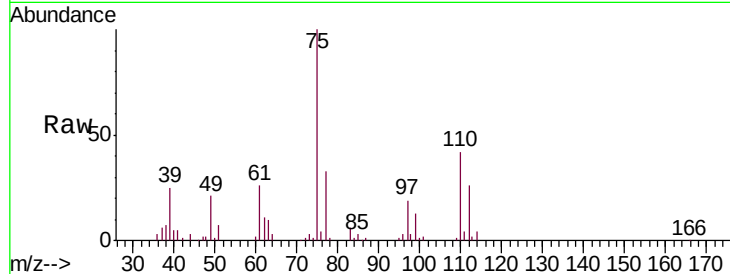




#59
 1,2,3-Trichloropropane
 Concen: 5.495 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV012245.D
 Acq: 14 Aug 2019 19:59

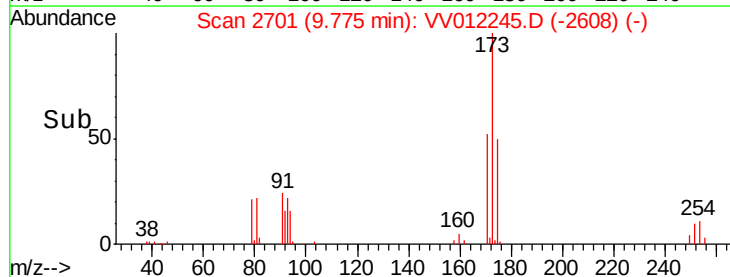
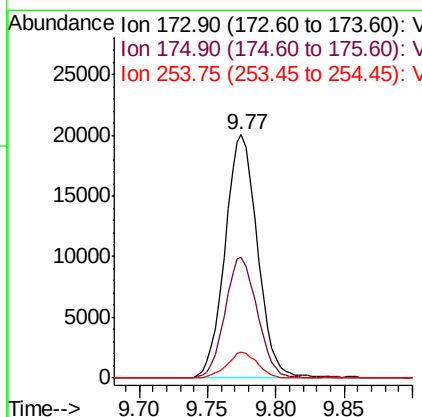
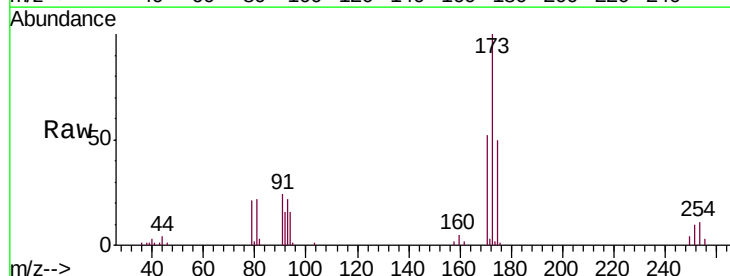
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

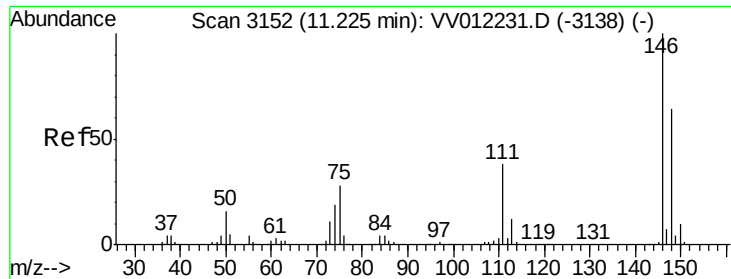
Tgt Ion: 75 Resp: 47185
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.0 37.6



#61
 Bromoform
 Concen: 4.988 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012245.D
 Acq: 14 Aug 2019 19:59

Tgt Ion: 173 Resp: 33145
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.8 58.2
 254 9.9 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 4.730 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

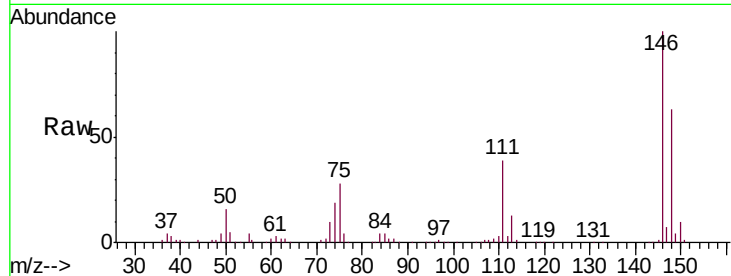
Tgt Ion:146 Resp: 162278

Ion Ratio Lower Upper

146 100

111 38.7 26.9 50.1

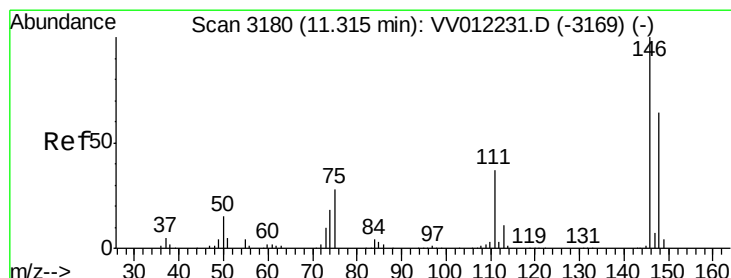
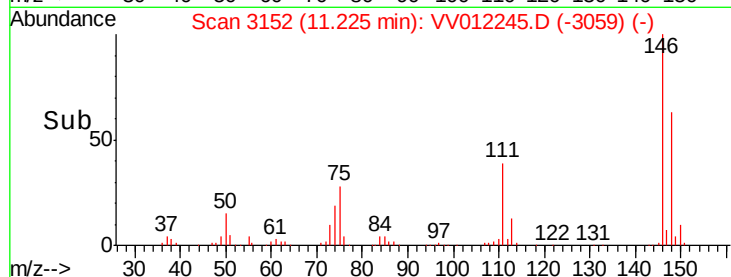
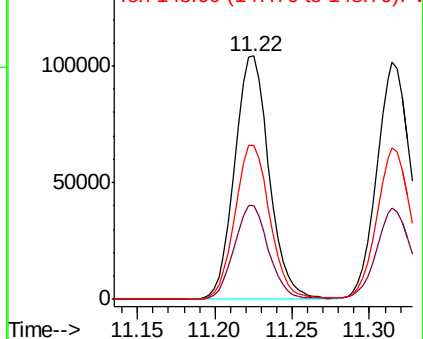
148 63.3 45.0 83.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.684 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

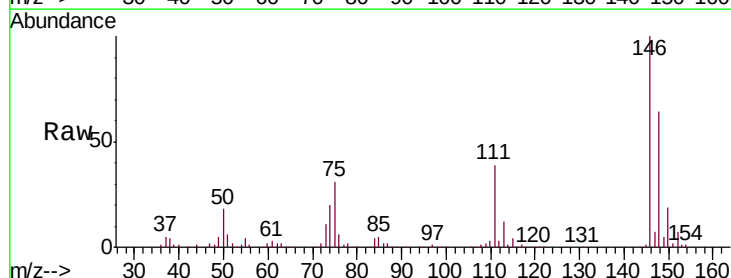
Tgt Ion:146 Resp: 160176

Ion Ratio Lower Upper

146 100

111 38.8 27.0 50.2

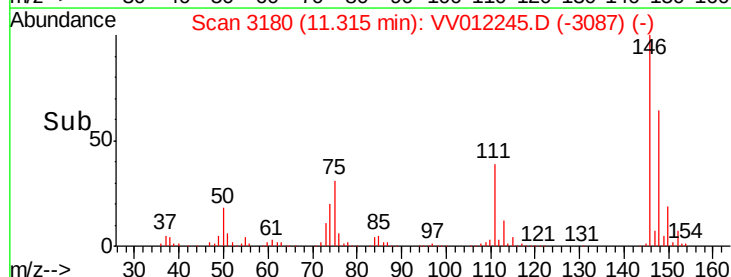
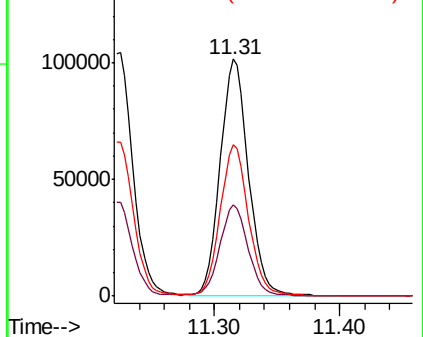
148 63.8 44.5 82.7

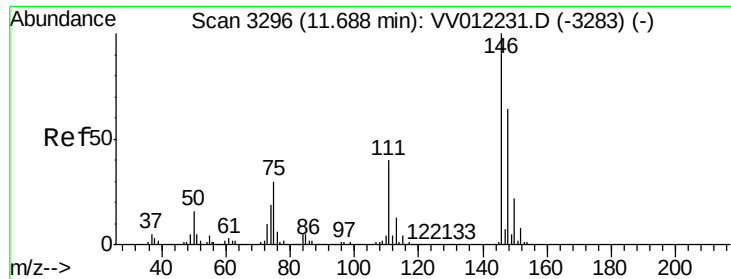


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

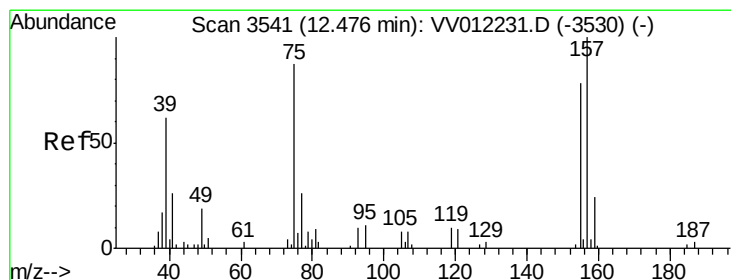
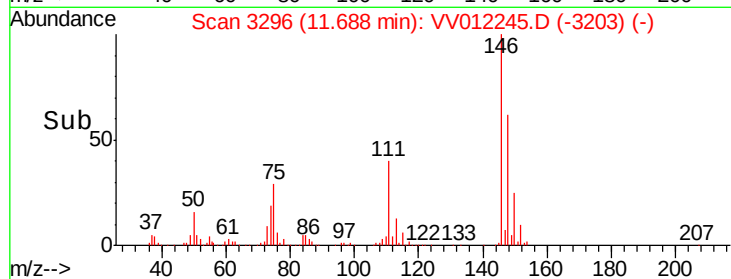
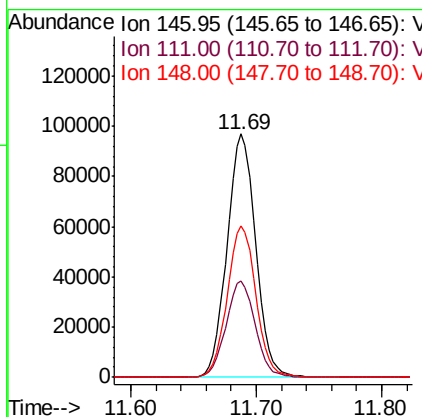
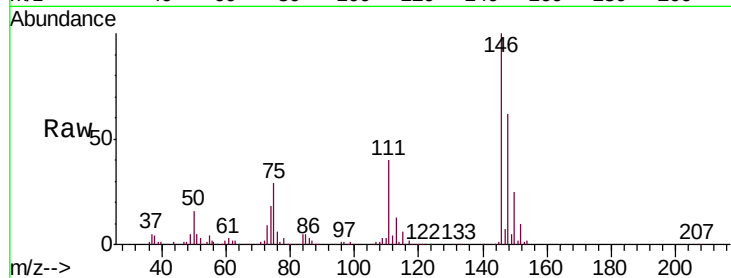




#65
 1,2-Dichlorobenzene
 Concen: 4.876 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012245.D
 Acq: 14 Aug 2019 19:59

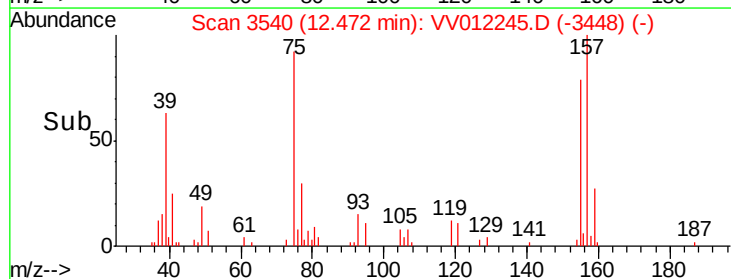
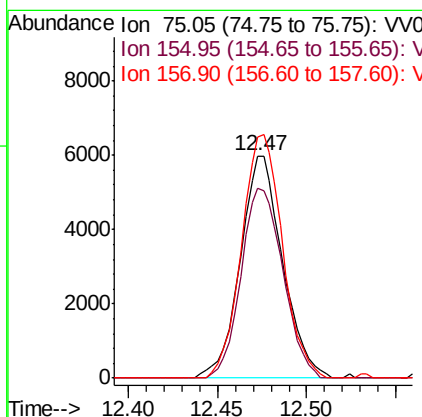
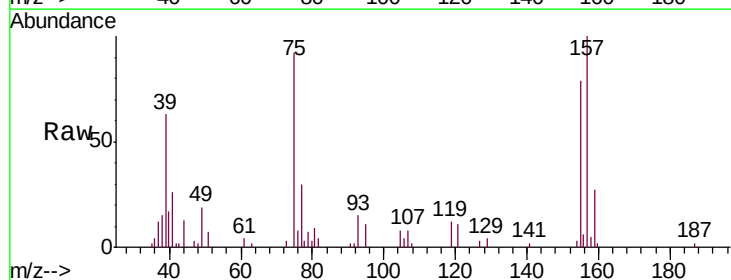
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

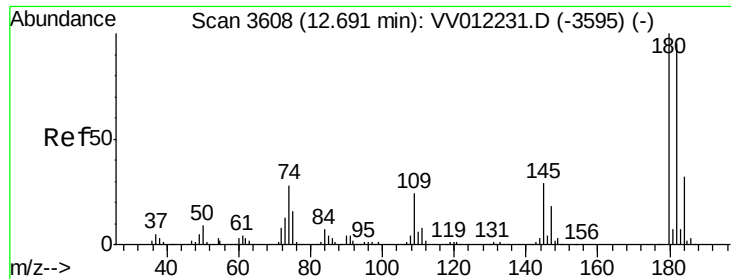
Tgt Ion: 146 Resp: 153483
 Ion Ratio Lower Upper
 146 100
 111 39.7 33.0 49.4
 148 62.2 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.940 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012245.D
 Acq: 14 Aug 2019 19:59

Tgt Ion: 75 Resp: 9900
 Ion Ratio Lower Upper
 75 100
 155 85.1 70.8 106.2
 157 108.1 83.5 125.3

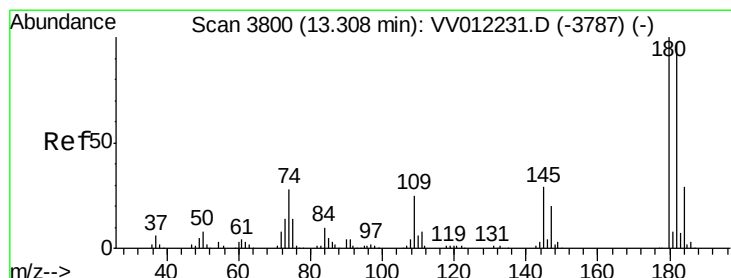
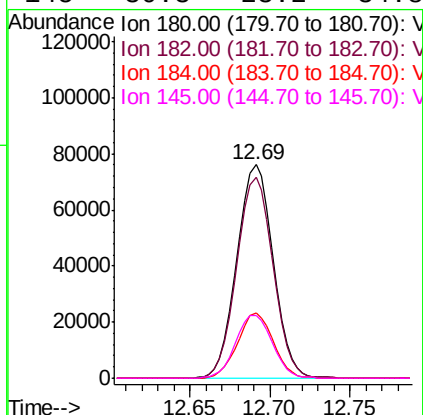
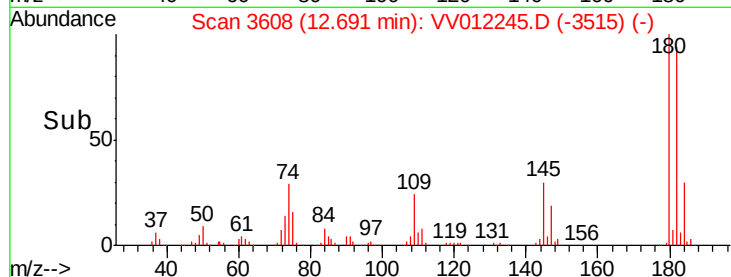
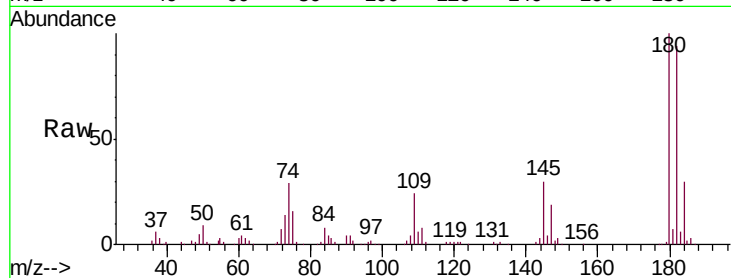




#67
 1,3,5-Trichlorobenzene
 Concen: 4.538 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012245.D
 Acq: 14 Aug 2019 19:59

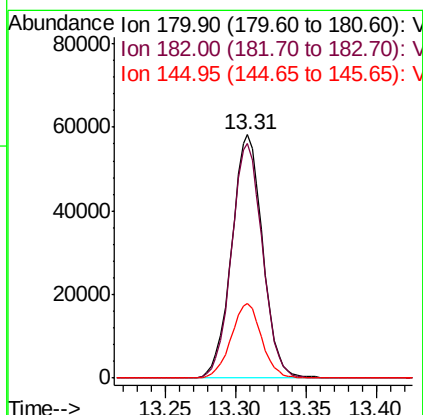
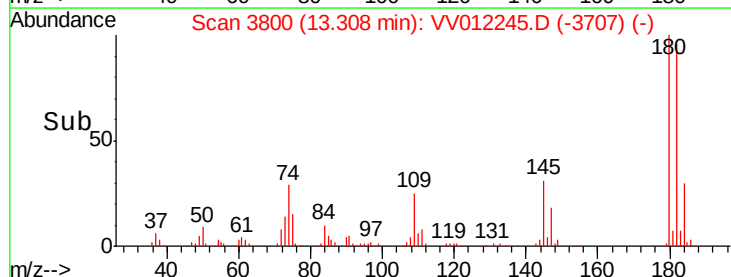
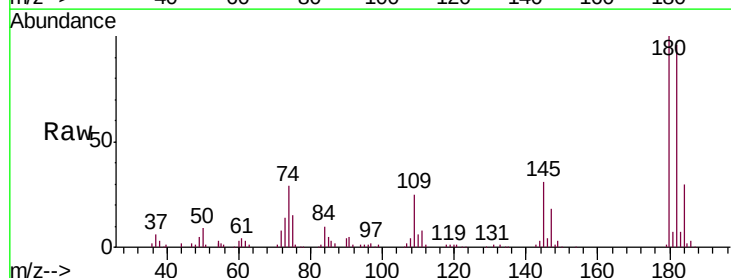
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

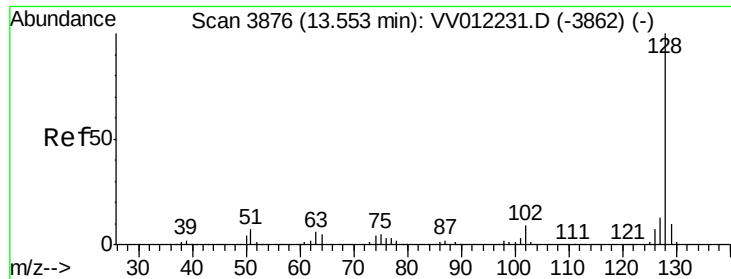
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.3	114.5
184	29.9	24.6	36.8
145	30.3	23.2	34.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.661 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012245.D
 Acq: 14 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.2	115.8
145	30.2	23.9	35.9





#69

Naphthalene

Concen: 5.079 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

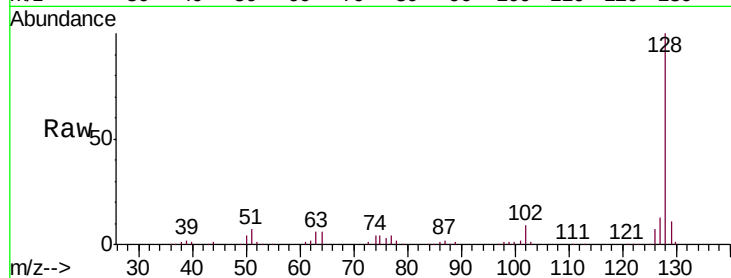
Tgt Ion:128 Resp: 141386

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

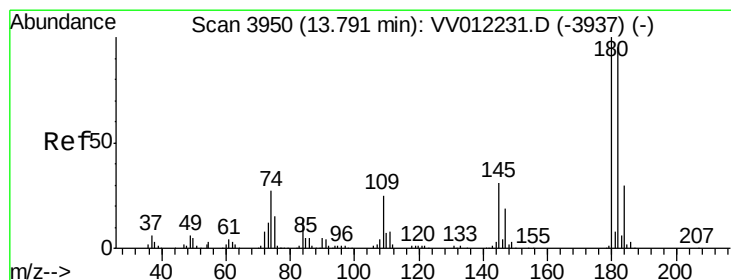
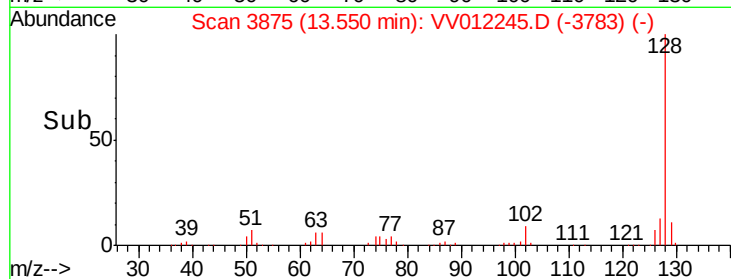
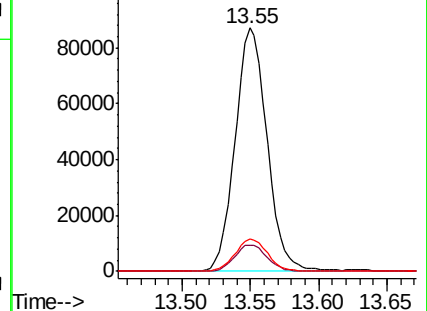
127 13.6 10.1 15.1



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: 4.982 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012245.D

Acq: 14 Aug 2019 19:59

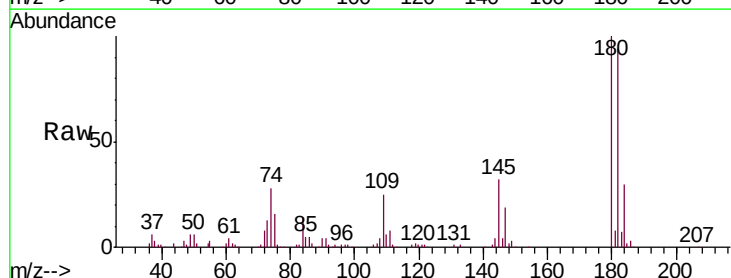
Tgt Ion:180 Resp: 90598

Ion Ratio Lower Upper

180 100

182 93.9 75.0 112.4

145 31.6 24.8 37.2



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

