

Data File : VV010958.D
Acq On : 20 May 2019 14:06
Operator : SY/MD
Sample : VSTD10068
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10069

Quant Time: May 20 14:29:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Mon May 20 13:51:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	143559	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	148489	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	77155	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	142912	78.14	ug/L	0.00
7) Chloroethane-d5	1.56	69	93938	78.81	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	265578	76.73	ug/L	0.00
20) 2-Butanone-d5	3.94	46	119105	206.99	ug/L	0.00
24) Chloroform-d	4.40	84	352416	85.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	205220	87.09	ug/L	0.00
29) Benzene-d6	5.10	84	745576	90.71	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	236726	90.28	ug/L	0.00
37) Toluene-d8	7.36	98	716998	90.78	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	108911	95.21	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	107456	216.27	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	245125	100.79	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	288785	89.61	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	188103	118.103	ug/L	98
3) Chloromethane	1.25	50	177620	93.117	ug/L	98
5) Vinyl chloride	1.32	62	172927	84.205	ug/L	97
6) Bromomethane	1.51	94	48360	101.456	ug/L	99
8) Chloroethane	1.58	64	83054	78.195	ug/L	96
9) Trichlorofluoromethane	1.75	101	271994	92.523	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	153546	86.594	ug/L	98
12) 1,1-Dichloroethene	2.13	96	132554	80.125	ug/L	96
13) Acetone	2.19	43	90317	154.095	ug/L	96
14) Carbon disulfide	2.31	76	372938	74.841	ug/L	99
15) Methyl Acetate	2.46	43	99730	81.694	ug/L	97
16) Methylene chloride	2.53	84	214080	92.404	ug/L	96
17) Methyl tert-butyl Ether	2.81	73	557997	103.301	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	196075	99.497	ug/L	97
19) 1,1-Dichloroethane	3.22	63	366603	96.090	ug/L	98
21) 2-Butanone	4.02	43	158103	208.976	ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	232812	100.953	ug/L	96
23) Bromochloromethane	4.29	128	111084	103.406	ug/L	92
25) Chloroform	4.42	83	399877	96.620	ug/L	99
27) 1,2-Dichloroethane	5.18	62	259389	89.827	ug/L	98
30) Cyclohexane	4.72	56	300480	105.254	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	314227	97.433	ug/L	99
32) Carbon tetrachloride	4.87	117	284634	103.423	ug/L	99
34) Benzene	5.14	78	825853	95.425	ug/L	100
35) Trichloroethene	5.96	95	217344	96.894	ug/L	98
36) Methylcyclohexane	6.17	83	335161	107.373	ug/L	98
40) 1,2-Dichloropropane	6.22	63	217967	92.467	ug/L	100
41) Bromodichloromethane	6.55	83	298729	98.829	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	367298	106.803	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	343087	206.093	ug/L	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	940152	97.726	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	307289	105.726	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	194443	102.423	ug/L	99
47) Tetrachloroethene	8.02	164	172965	104.356	ug/L	98
49) 2-Hexanone	8.18	43	257232	209.218	ug/L	99
50) Dibromochloromethane	8.29	129	237816	112.621	ug/L	99
51) 1,2-Dibromoethane	8.40	107	189592	106.007	ug/L #	97
52) Chlorobenzene	8.92	112	638595	97.466	ug/L	99
53) Ethylbenzene	9.05	91	1052371	99.851	ug/L	100
54) m,p-Xylene	9.18	106	417677	100.582	ug/L	97
55) o-xylene	9.59	106	406937	99.744	ug/L	98
56) Styrene	9.60	104	712366	101.829	ug/L	100
57) Isopropylbenzene	9.97	105	1052885	103.098	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	257201	102.586	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	183330	100.920	ug/L	98
62) Bromoform	9.77	173	143025	118.759	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	515281	96.660	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	523430	94.782	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	505539	95.054	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	43242	108.564	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	387918	99.850	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	339828	108.327	ug/L	100
69) Naphthalene	13.55	128	796190	121.159	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	327139	109.568	ug/L	99

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD10069

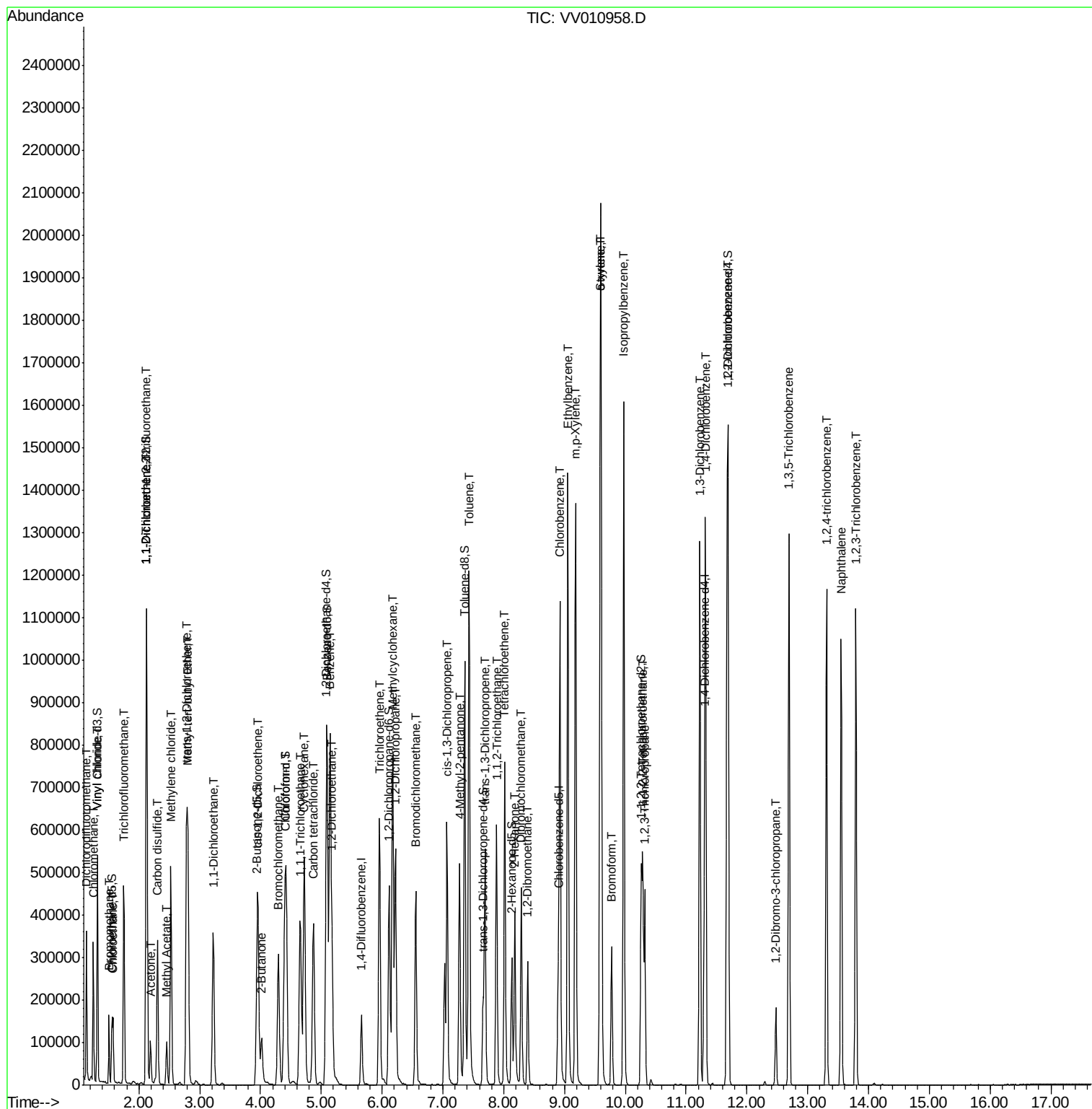
Quant Time: May 20 14:29:08 2019

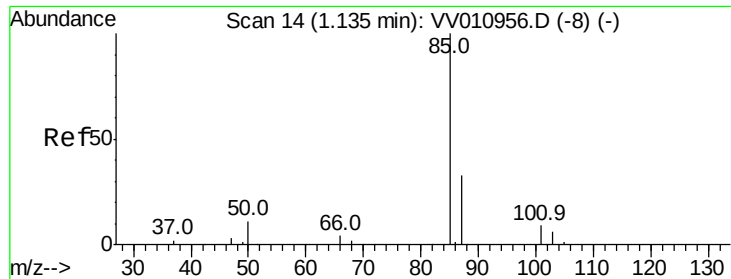
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM052019S.M

Quant Title : VOC Analysis

QLast Update : Mon May 20 13:51:44 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 118.103 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

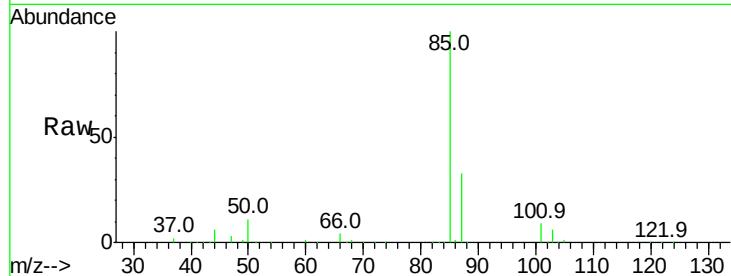
VSTD10069

Tgt Ion: 85 Resp: 188103

Ion Ratio Lower Upper

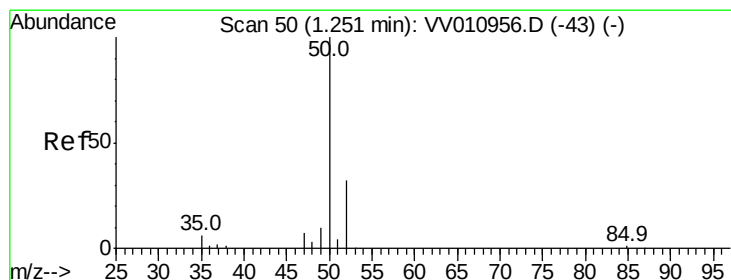
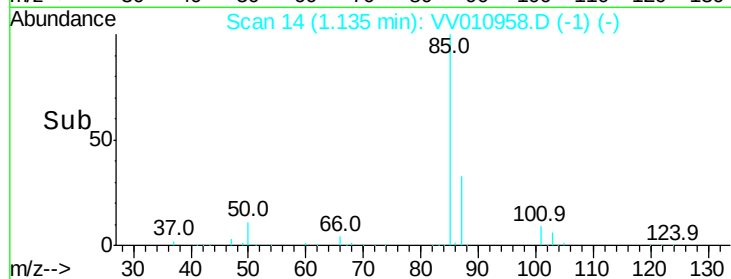
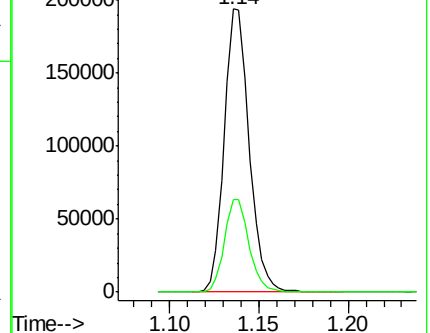
85 100

87 32.3 23.2 43.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 93.117 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV010958.D

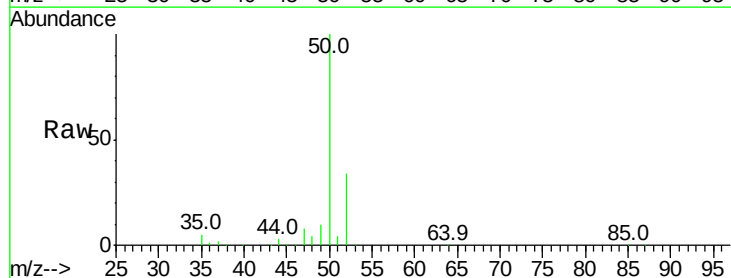
Acq: 20 May 2019 14:06

Tgt Ion: 50 Resp: 177620

Ion Ratio Lower Upper

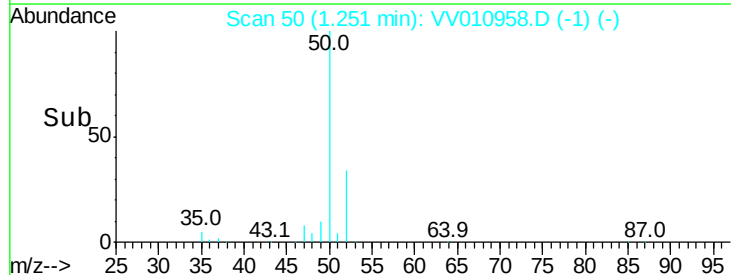
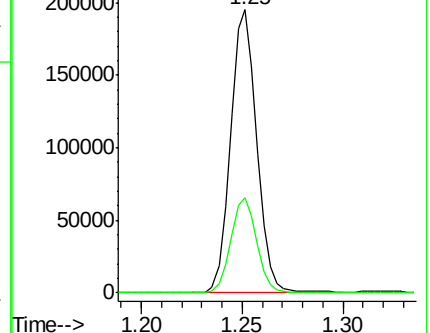
50 100

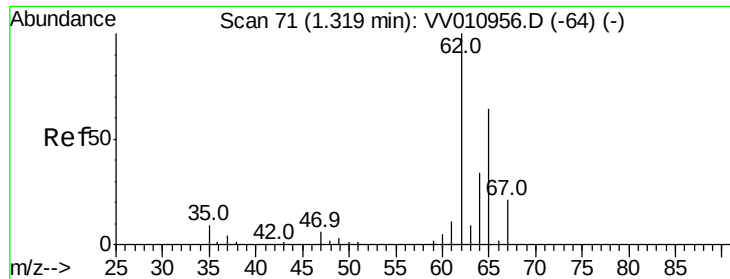
52 33.8 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 84.205 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

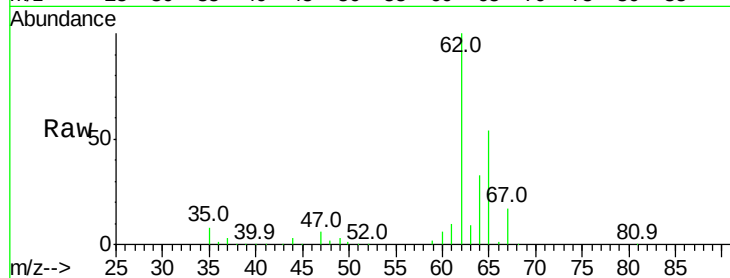
VSTD10069

Tgt Ion: 62 Resp: 172927

Ion Ratio Lower Upper

62 100

64 33.4 24.5 45.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

200000

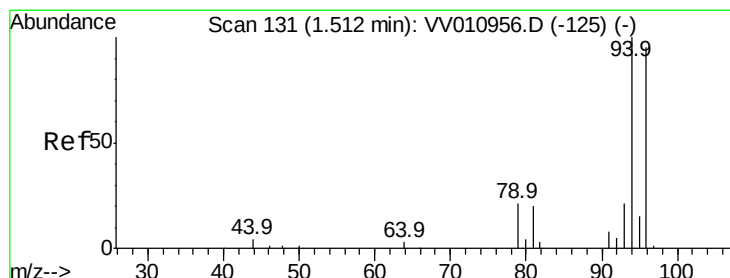
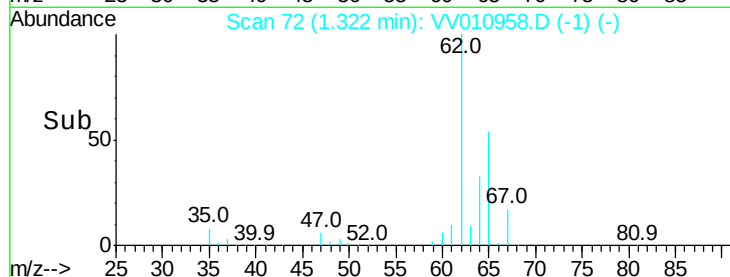
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 101.456 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.00 min

Lab File: VV010958.D

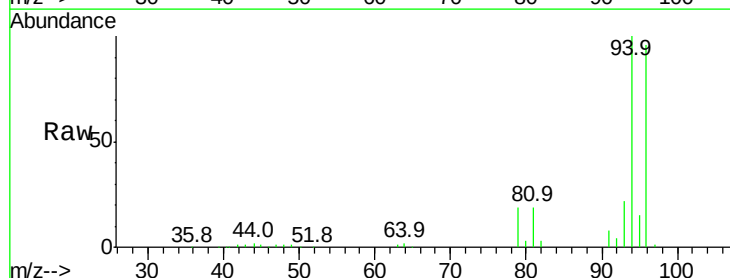
Acq: 20 May 2019 14:06

Tgt Ion: 94 Resp: 48360

Ion Ratio Lower Upper

94 100

96 94.8 9.3 177.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.51

60000

50000

40000

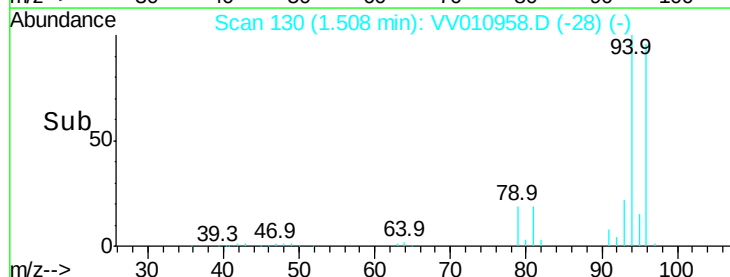
30000

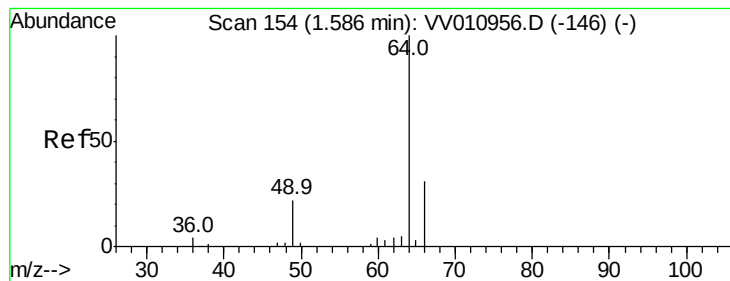
20000

10000

0

Time--> 1.50 1.55





#8

Chloroethane

Concen: 78.195 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.01 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

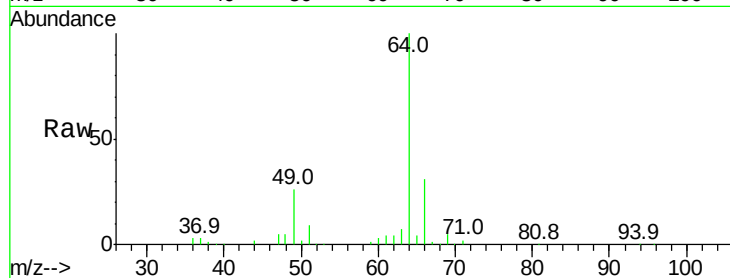
VSTD10069

Tgt Ion: 64 Resp: 83054

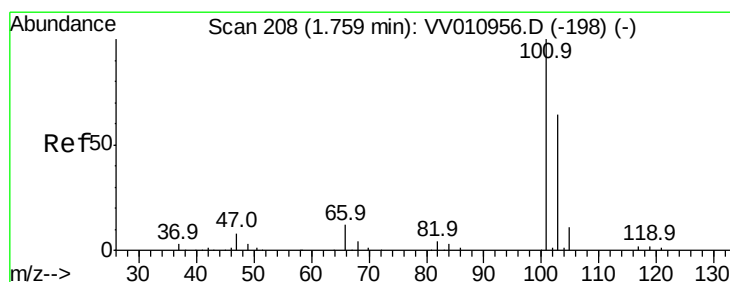
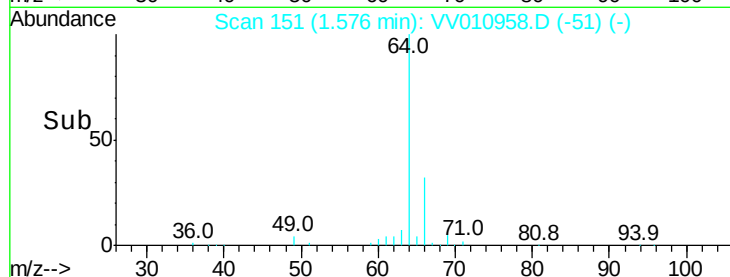
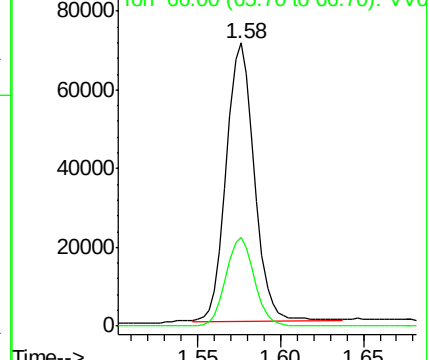
Ion Ratio Lower Upper

64 100

66 31.3 20.4 37.8



Abundance Ion 64.00 (63.70 to 64.70): VV010956.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 92.523 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.01 min

Lab File: VV010958.D

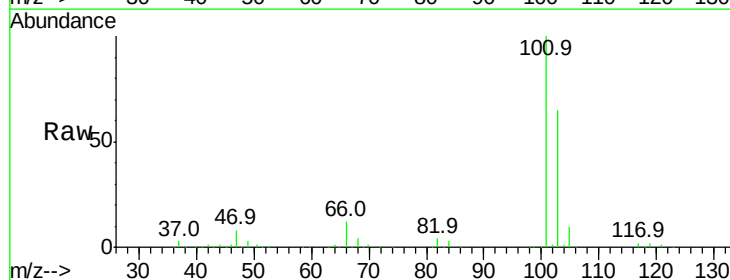
Acq: 20 May 2019 14:06

Tgt Ion: 101 Resp: 271994

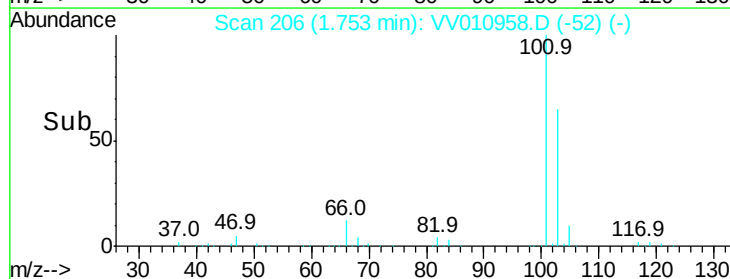
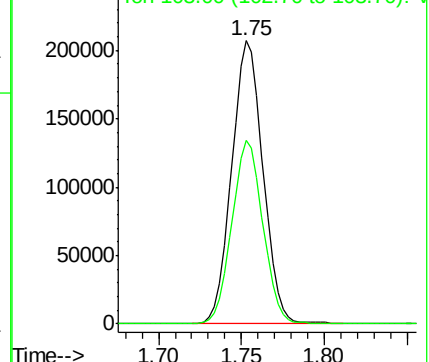
Ion Ratio Lower Upper

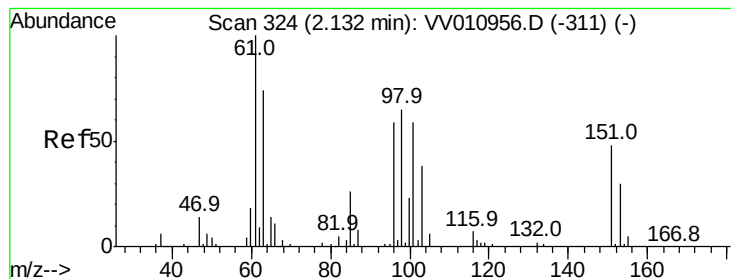
101 100

103 64.4 44.7 82.9



Abundance Ion 101.00 (100.70 to 101.70): VV010956.D (-198) (-)





#11

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

Concen: 86.594 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD10069

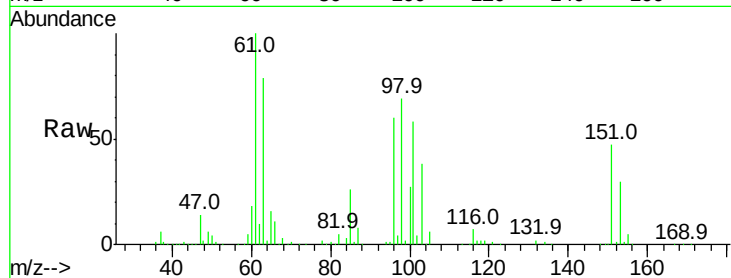
Tgt Ion: 101 Resp: 153546

Ion Ratio Lower Upper

101 100

85 43.9 33.9 50.9

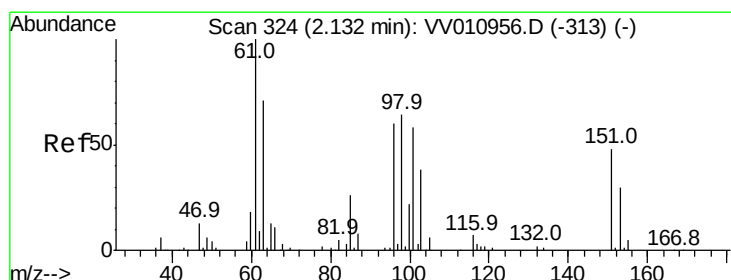
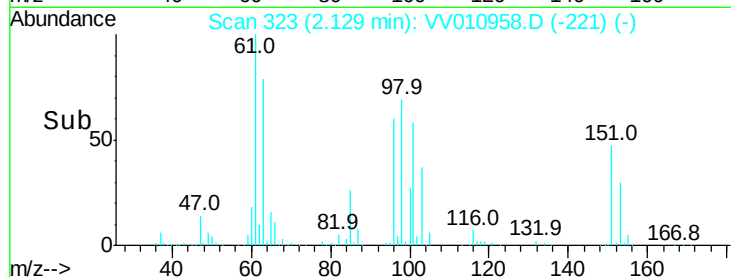
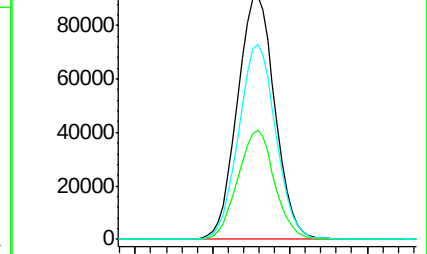
151 79.3 64.7 97.1



Abundance Ion 101.00 (100.70 to 101.70): VV010958.D (-221) (-)

Ion 85.00 (84.70 to 85.70): VV010958.D (-221) (-)

Ion 151.00 (150.70 to 151.70): VV010958.D (-221) (-)



#12

1,1-Dichloroethene

Concen: 80.125 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

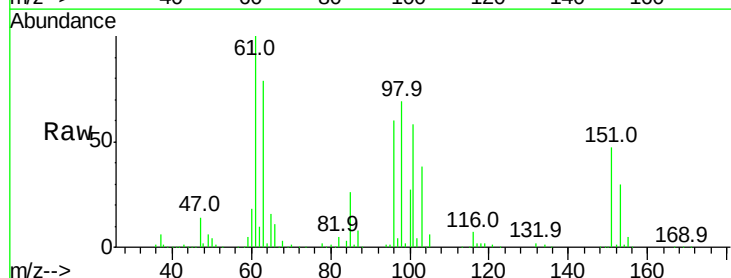
Tgt Ion: 96 Resp: 132554

Ion Ratio Lower Upper

96 100

61 167.8 117.8 218.8

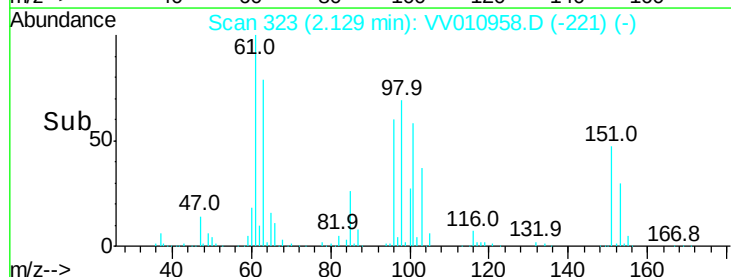
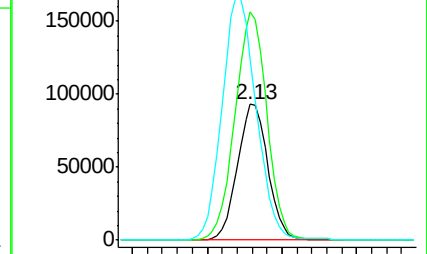
63 133.2 87.1 161.7

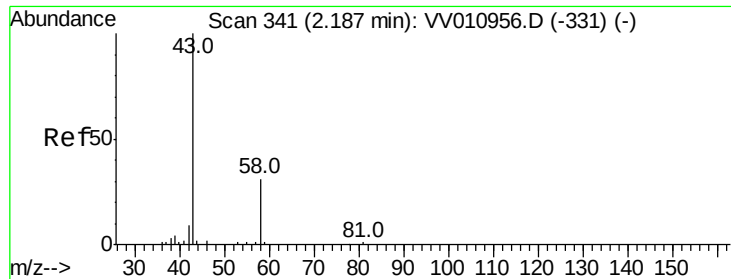


Abundance Ion 96.00 (95.70 to 96.70): VV010958.D (-221) (-)

Ion 61.00 (60.70 to 61.70): VV010958.D (-221) (-)

Ion 63.00 (62.70 to 63.70): VV010958.D (-221) (-)





#13

Acetone

Concen: 154.095 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

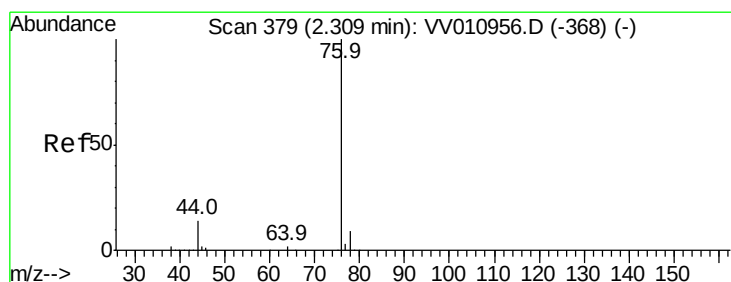
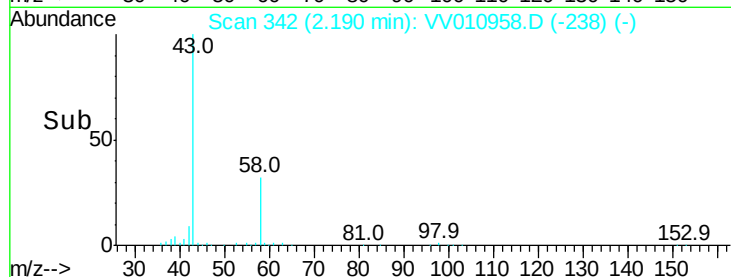
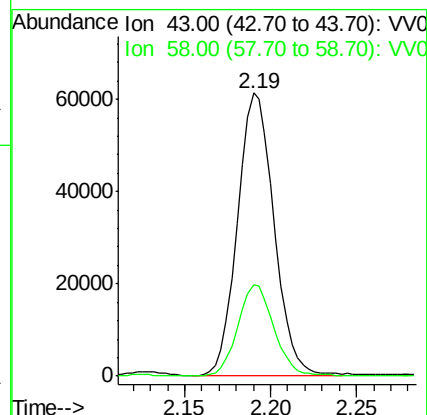
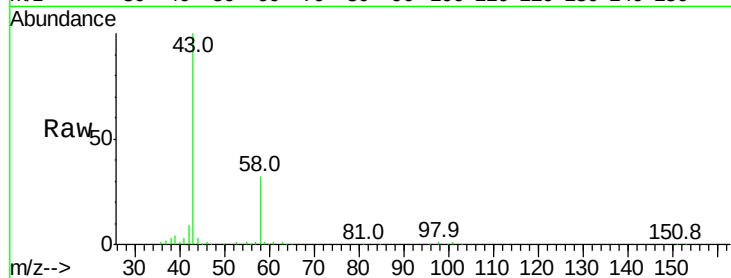
VSTD10069

Tgt Ion: 43 Resp: 90317

Ion Ratio Lower Upper

43 100

58 32.4 0.0 60.8



#14

Carbon disulfide

Concen: 74.841 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV010958.D

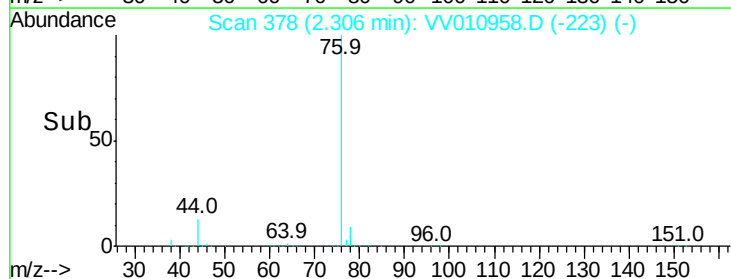
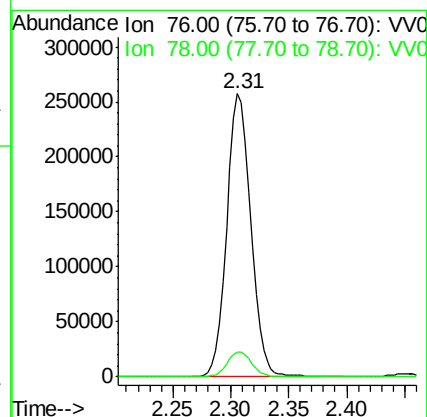
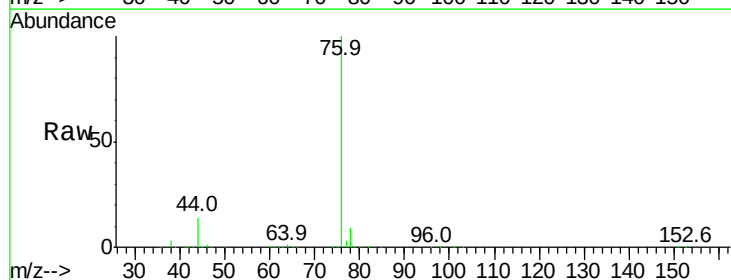
Acq: 20 May 2019 14:06

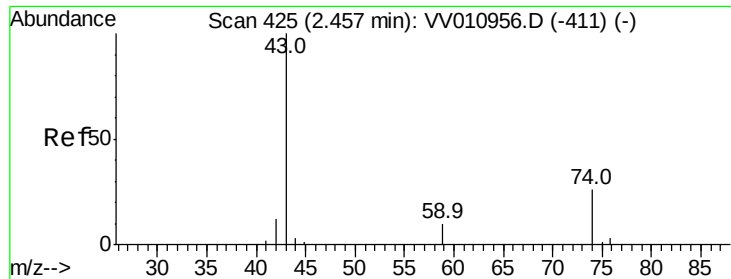
Tgt Ion: 76 Resp: 372938

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8





#15

Methyl Acetate

Concen: 81.694 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

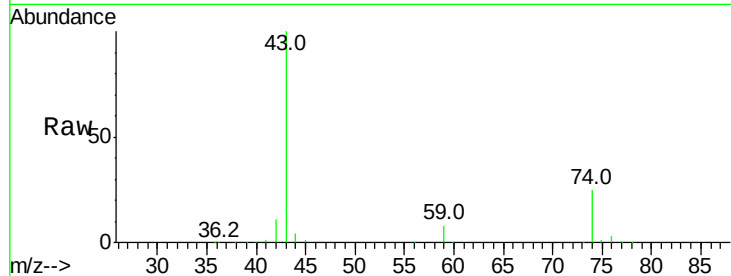
VSTD10069

Tgt Ion: 43 Resp: 99730

Ion Ratio Lower Upper

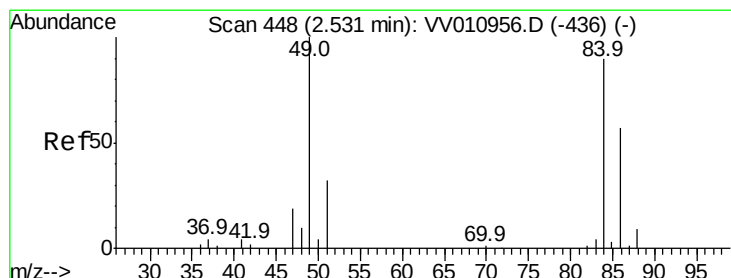
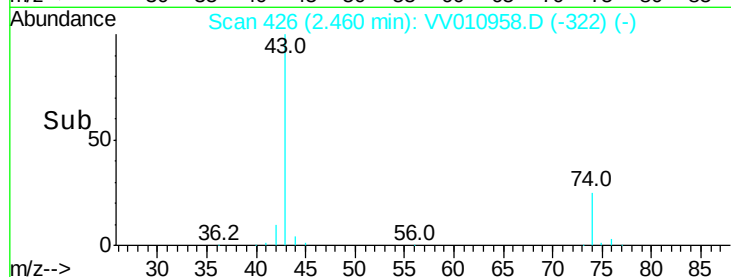
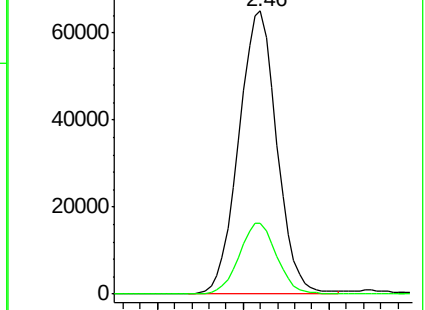
43 100

74 24.9 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VV010956.D (-411) (-)

Ion 74.00 (73.70 to 74.70): VV010956.D (-411) (-)



#16

Methylene chloride

Concen: 92.404 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

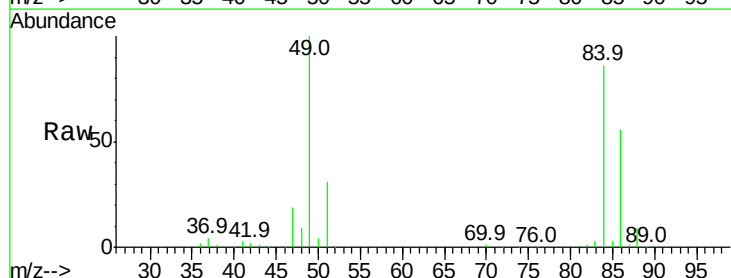
Tgt Ion: 84 Resp: 214080

Ion Ratio Lower Upper

84 100

49 116.3 77.4 143.8

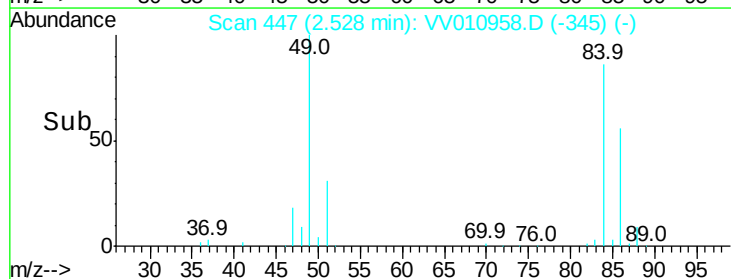
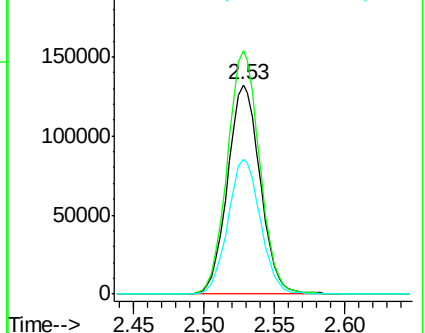
86 64.6 44.0 81.6

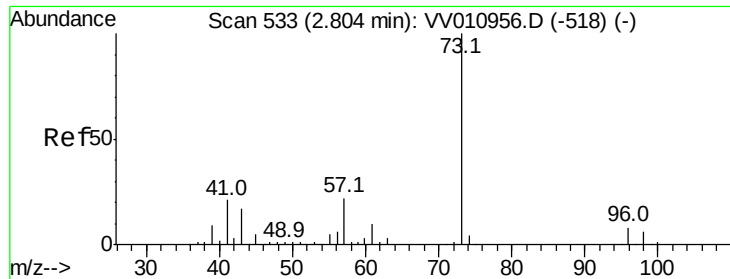


Abundance Ion 84.00 (83.70 to 84.70): VV010956.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV010956.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV010956.D (-436) (-)

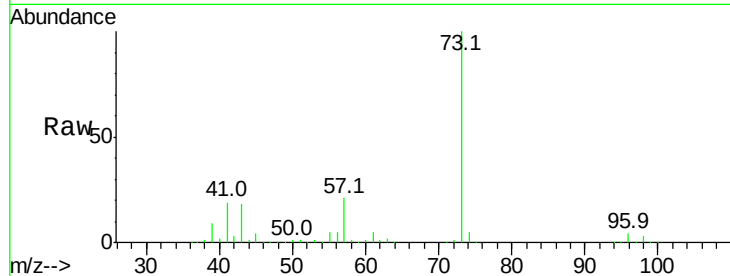




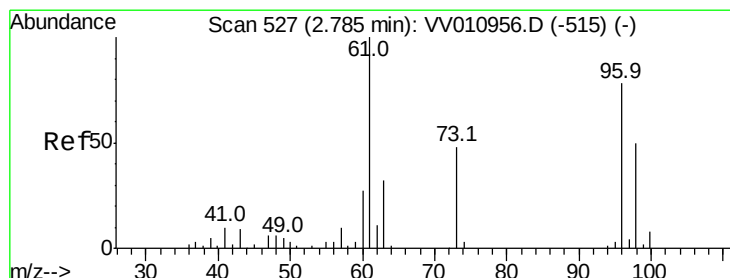
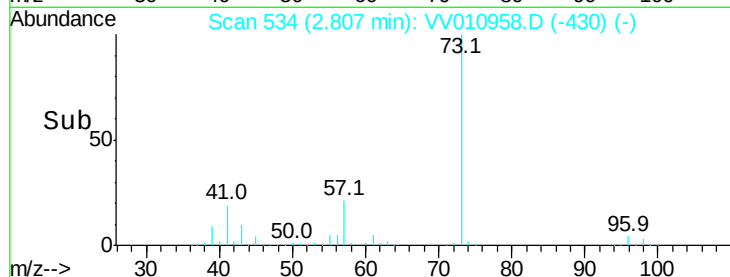
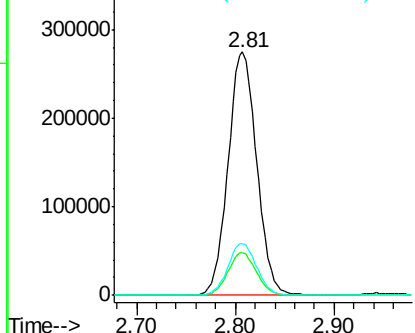
#17
Methyl tert-butyl Ether
Concen: 103.301 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV010958.D
Acq: 20 May 2019 14:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD10069

Tgt Ion: 73 Resp: 557997
Ion Ratio Lower Upper
73 100
43 17.5 14.5 21.7
57 21.5 17.3 25.9

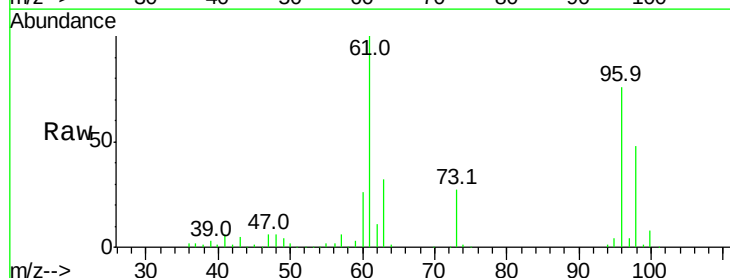


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

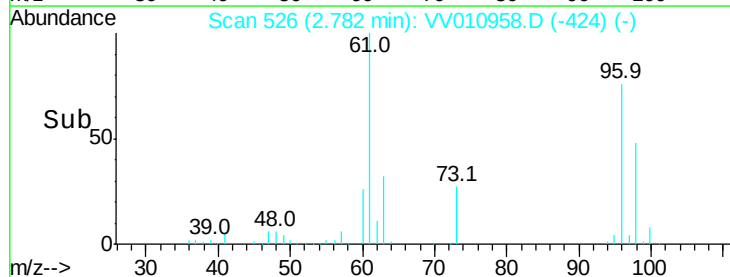
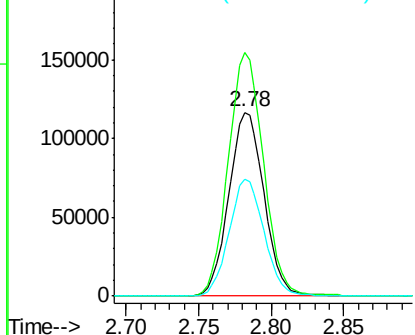


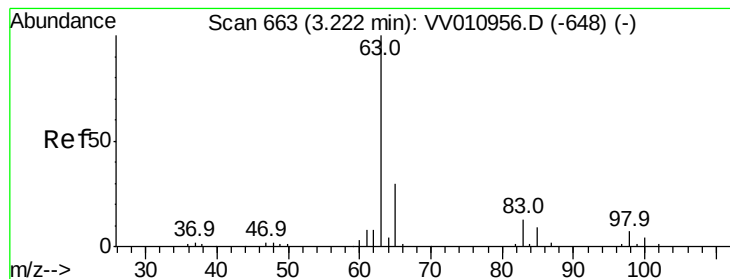
#18
trans-1,2-Dichloroethene
Concen: 99.497 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV010958.D
Acq: 20 May 2019 14:06

Tgt Ion: 96 Resp: 196075
Ion Ratio Lower Upper
96 100
61 132.3 89.7 166.5
98 63.9 44.5 82.7



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0





#19

1,1-Dichloroethane

Concen: 96.090 ug/L

RT: 3.22 min Scan# 663

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD10069

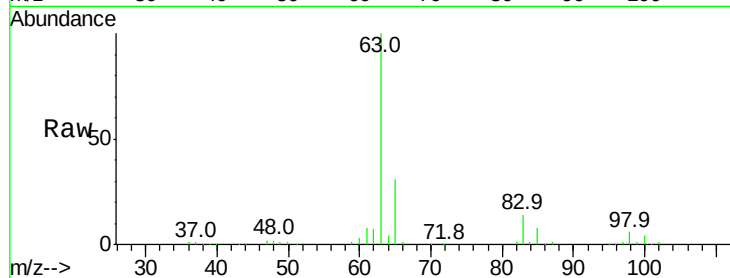
Tgt Ion: 63 Resp: 366603

Ion Ratio Lower Upper

63 100

65 31.5 21.1 39.3

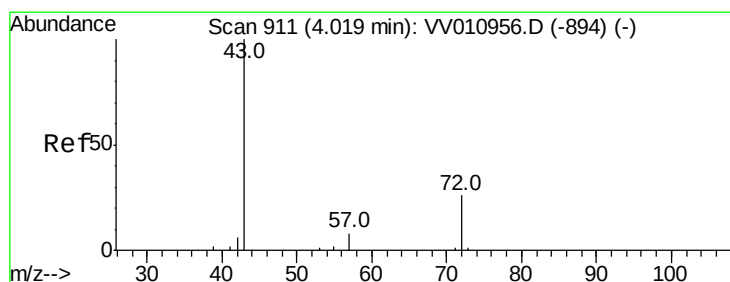
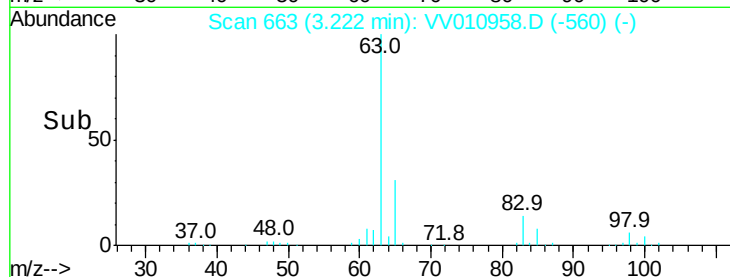
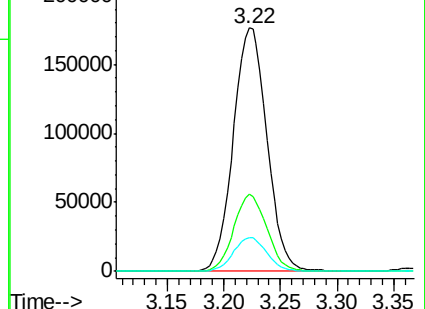
83 13.7 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#21

2-Butanone

Concen: 208.976 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV010958.D

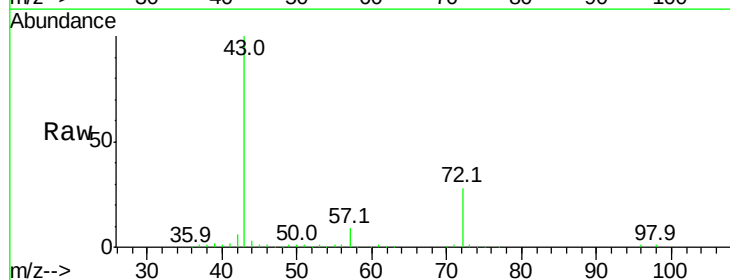
Acq: 20 May 2019 14:06

Tgt Ion: 43 Resp: 158103

Ion Ratio Lower Upper

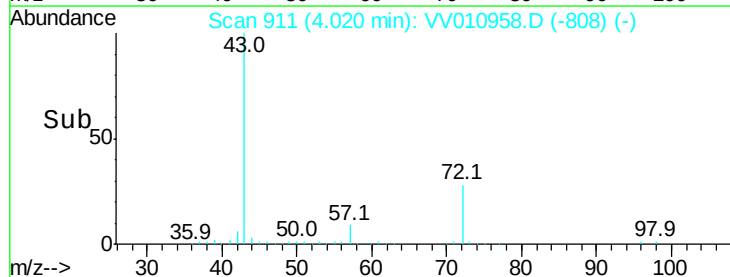
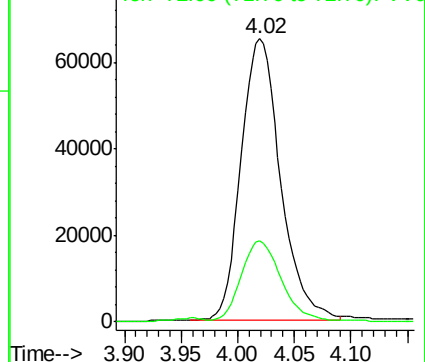
43 100

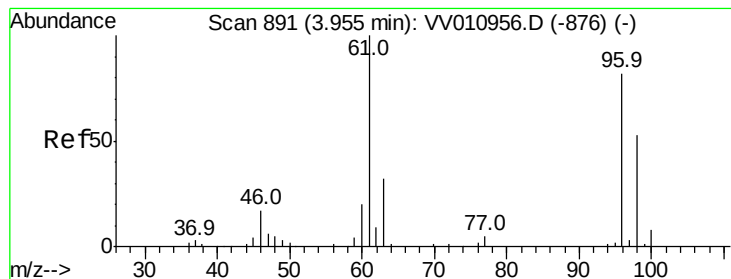
72 29.6 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



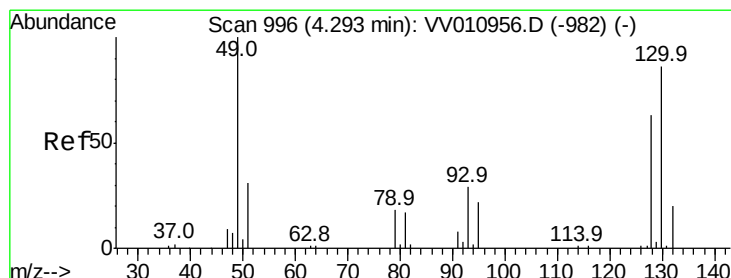
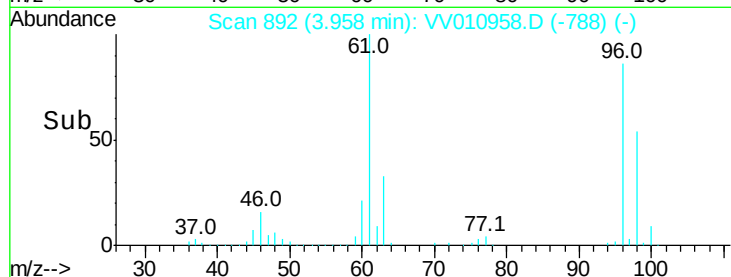
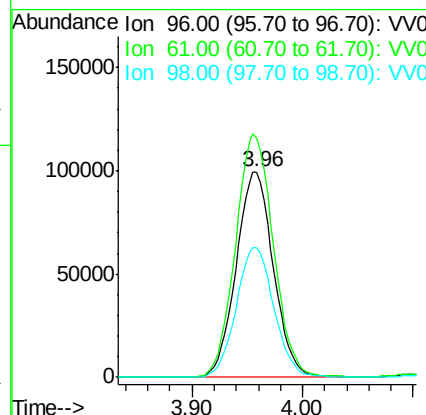
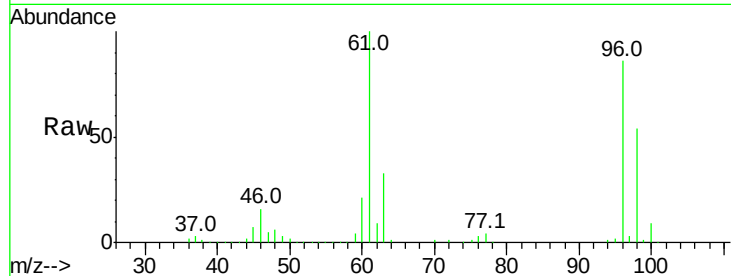


#22

cis-1,2-Dichloroethene
Concen: 100.953 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV010958.D
Acq: 20 May 2019 14:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD10069

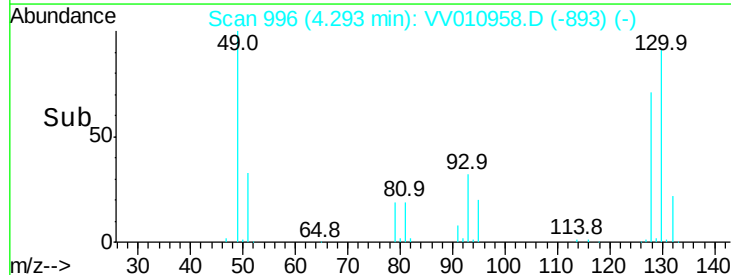
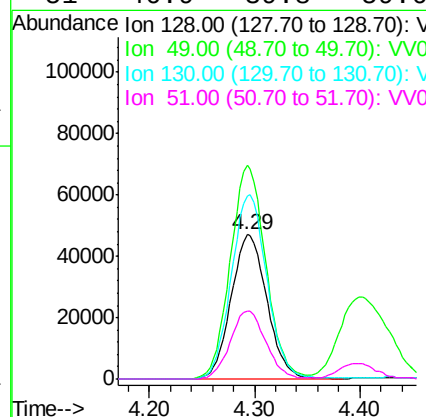
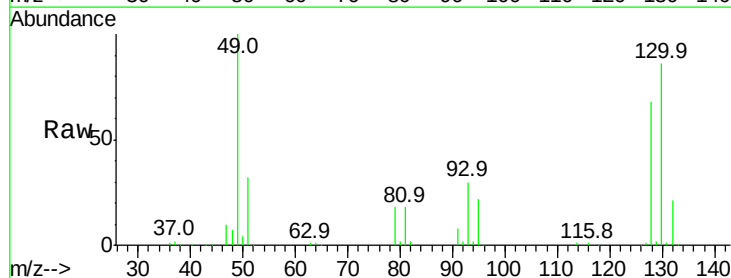
Tgt Ion: 96 Resp: 232812
Ion Ratio Lower Upper
96 100
61 116.5 85.4 158.6
98 62.8 45.1 83.7

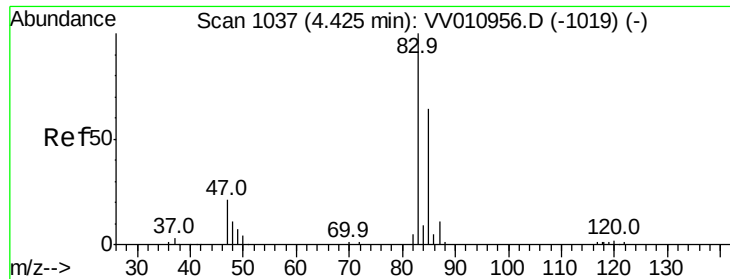


#23

Bromochloromethane
Concen: 103.406 ug/L
RT: 4.29 min Scan# 996
Delta R.T. 0.00 min
Lab File: VV010958.D
Acq: 20 May 2019 14:06

Tgt Ion: 128 Resp: 111084
Ion Ratio Lower Upper
128 100
49 147.9 111.6 207.4
130 127.0 95.5 177.3
51 46.9 39.8 59.6

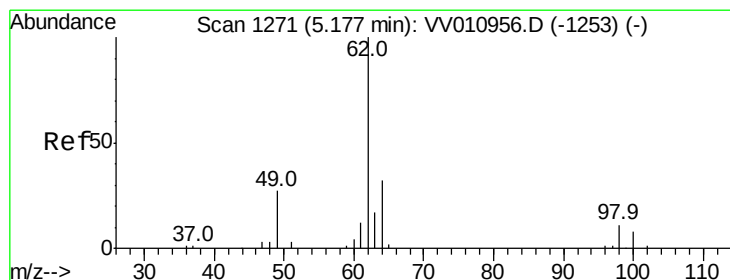
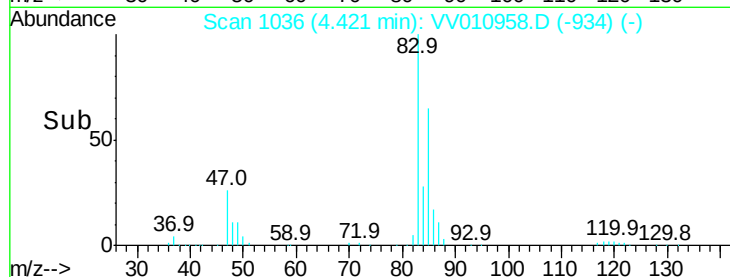
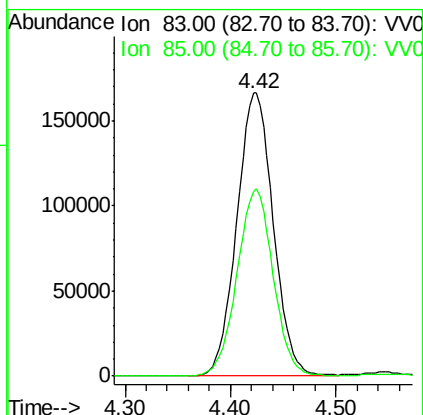
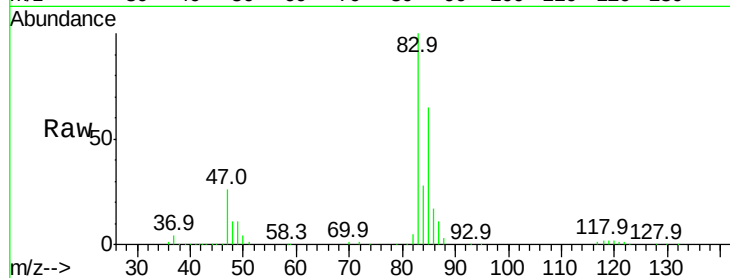




#25
Chloroform
Concen: 96.620 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV010958.D
Acq: 20 May 2019 14:06

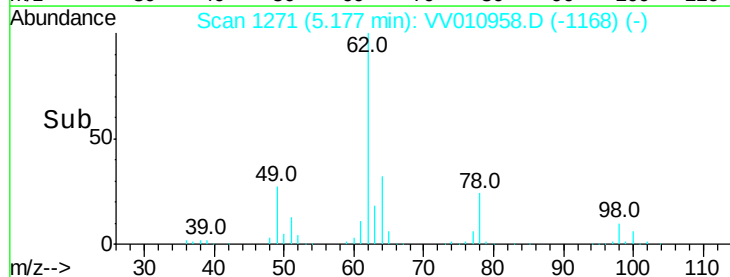
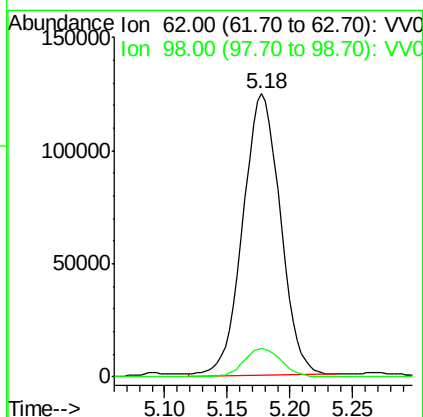
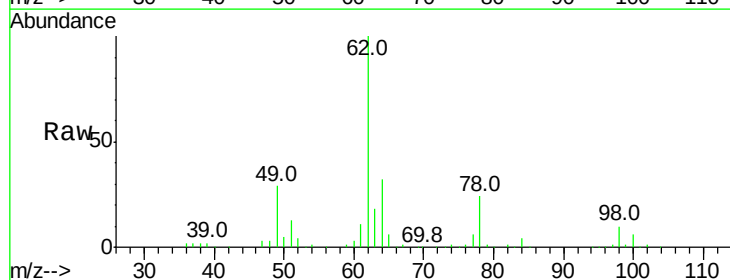
Instrument :
MSVOA_V
ClientSampleId :
VSTD10069

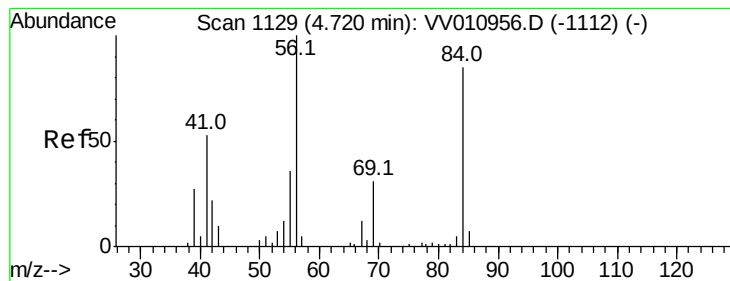
Tgt Ion: 83 Resp: 399877
Ion Ratio Lower Upper
83 100
85 65.8 45.6 84.8



#27
1,2-Dichloroethane
Concen: 89.827 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV010958.D
Acq: 20 May 2019 14:06

Tgt Ion: 62 Resp: 259389
Ion Ratio Lower Upper
62 100
98 9.9 8.6 13.0





#30

Cyclohexane

Concen: 105.254 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD10069

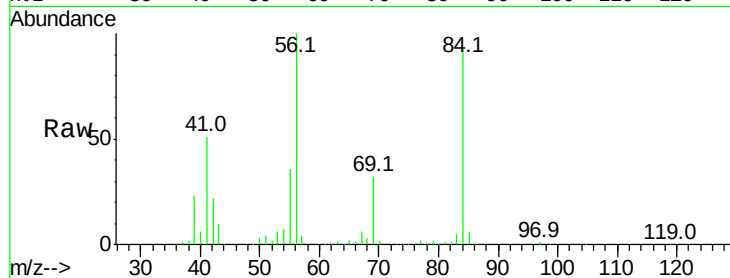
Tgt Ion: 56 Resp: 300480

Ion Ratio Lower Upper

56 100

69 31.8 25.1 37.7

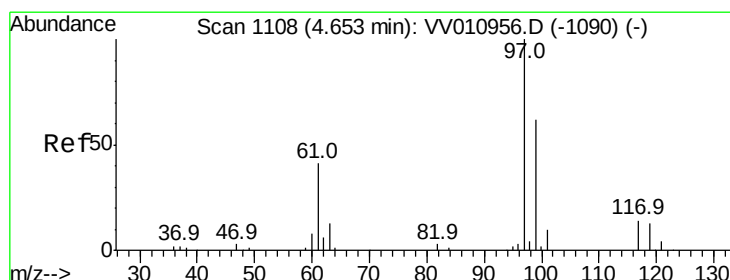
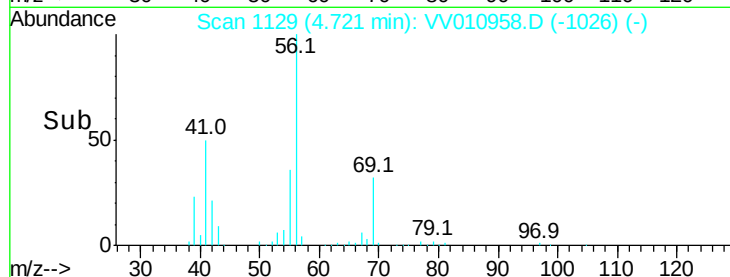
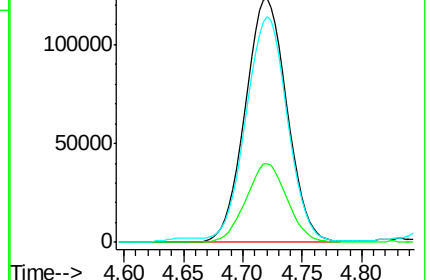
84 92.3 72.4 108.6



Abundance Ion 56.00 (55.70 to 56.70): VV010956.D (-1112) (-)

Ion 69.00 (68.70 to 69.70): VV010956.D (-1112) (-)

Ion 84.00 (83.70 to 84.70): VV010956.D (-1112) (-)



#31

1,1,1-Trichloroethane

Concen: 97.433 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

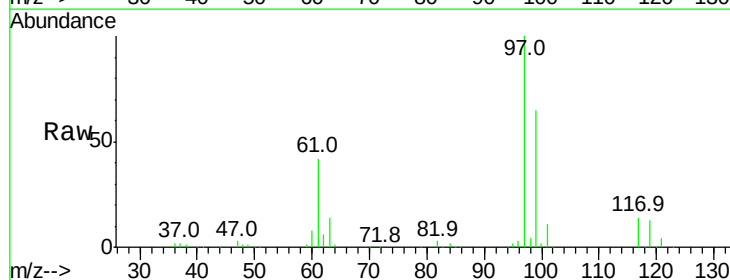
Tgt Ion: 97 Resp: 314227

Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.4

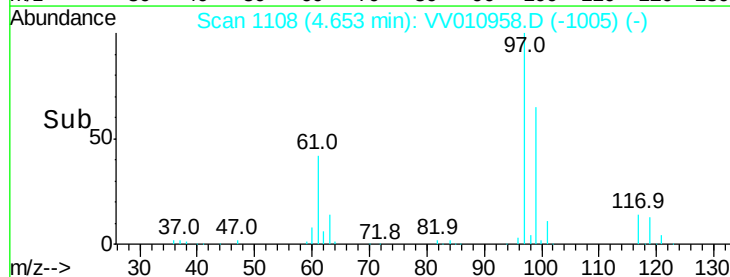
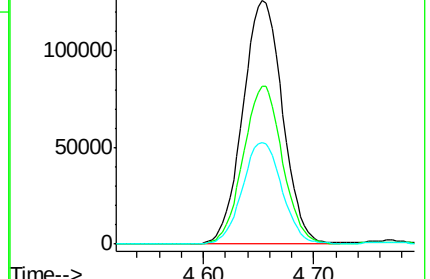
61 41.7 33.9 50.9

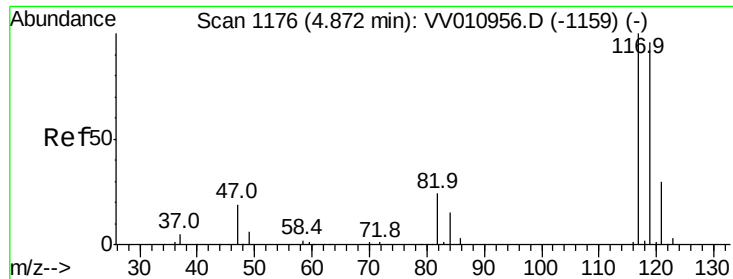


Abundance Ion 97.00 (96.70 to 97.70): VV010956.D (-1090) (-)

Ion 99.00 (98.70 to 99.70): VV010956.D (-1090) (-)

Ion 61.00 (60.70 to 61.70): VV010956.D (-1090) (-)





#32

Carbon tetrachloride

Concen: 103.423 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

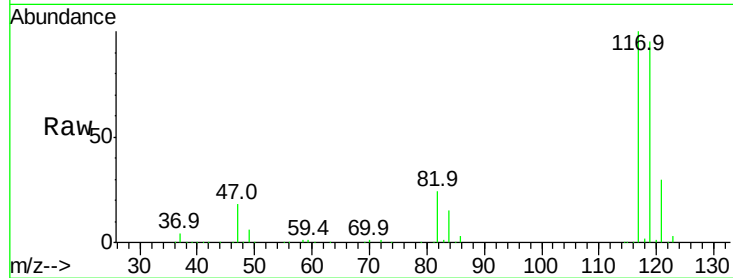
VSTD10069

Tgt Ion:117 Resp: 284634

Ion Ratio Lower Upper

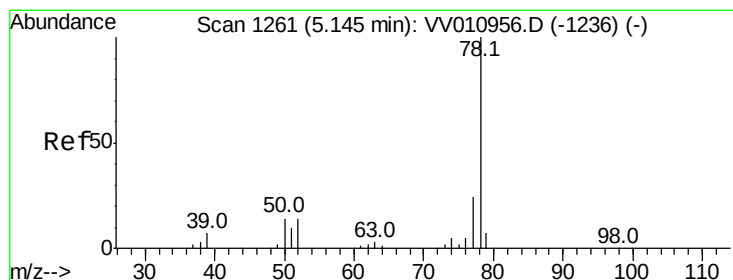
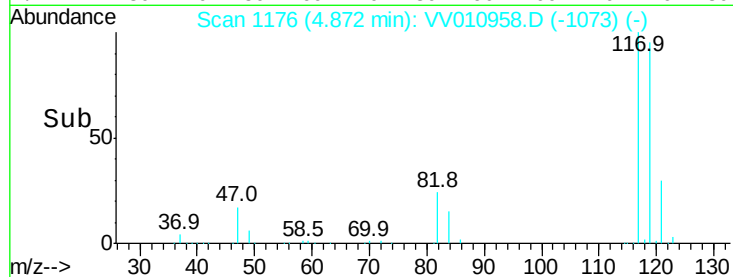
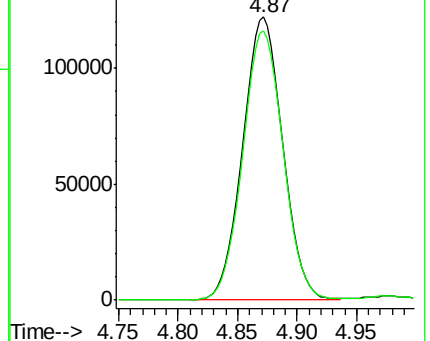
117 100

119 96.2 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 95.425 ug/L

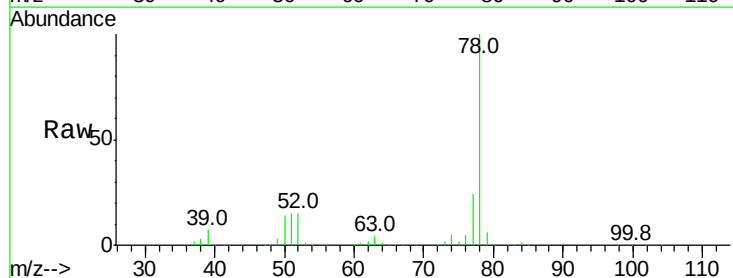
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

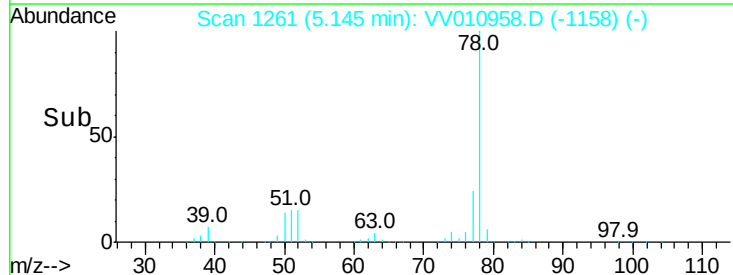
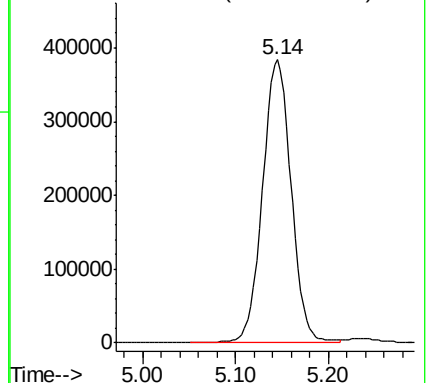
Lab File: VV010958.D

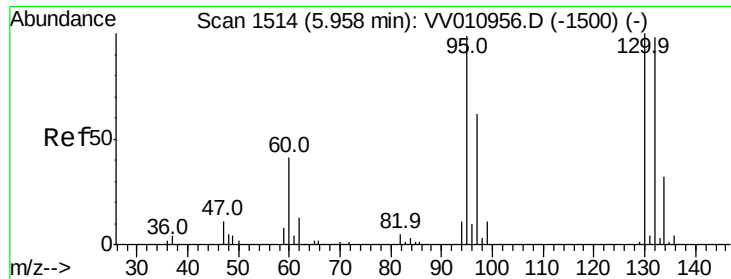
Acq: 20 May 2019 14:06

Tgt Ion: 78 Resp: 825853



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 96.894 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD10069

Tgt Ion: 95 Resp: 217344

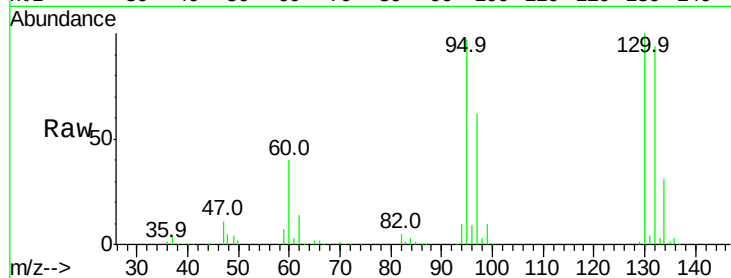
Ion Ratio Lower Upper

95 100

97 64.6 43.4 80.6

132 98.7 68.8 127.8

130 103.0 69.9 129.9

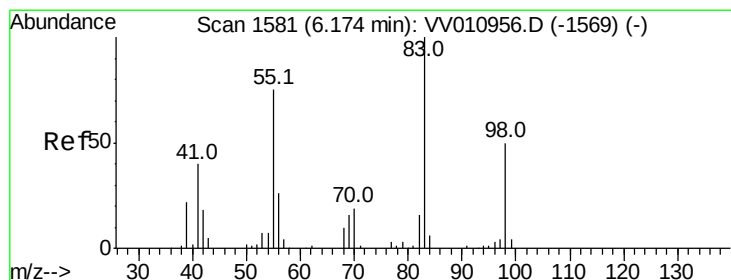
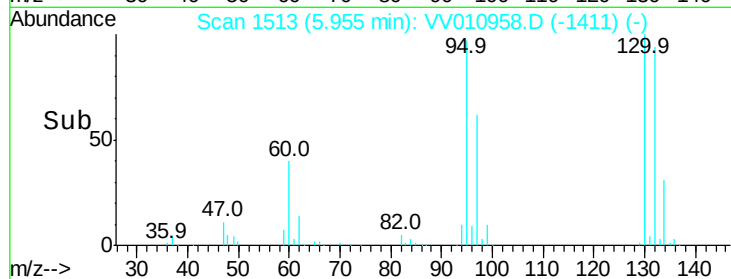
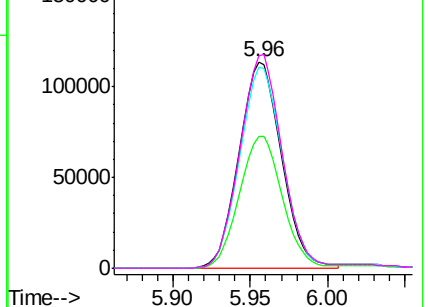


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 107.373 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

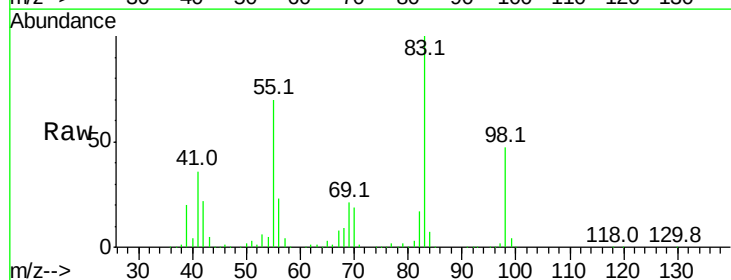
Tgt Ion: 83 Resp: 335161

Ion Ratio Lower Upper

83 100

55 71.7 57.0 85.4

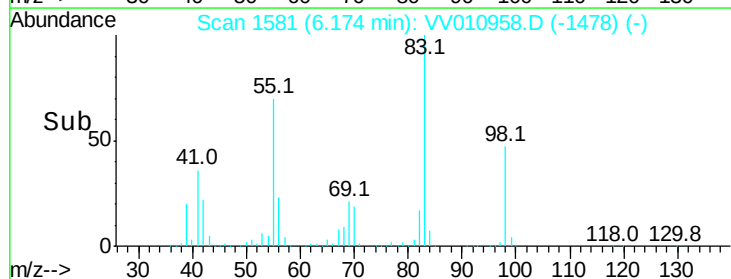
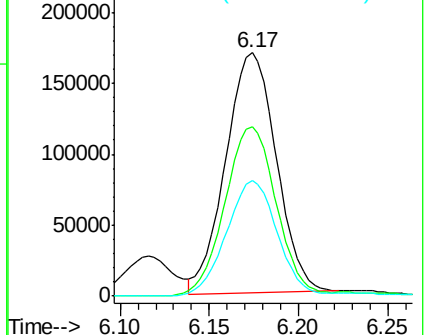
98 48.0 36.2 54.4

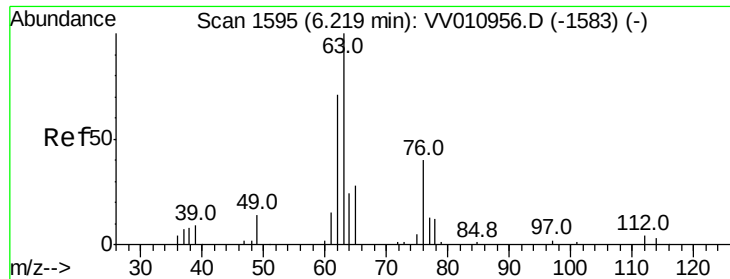


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 92.467 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

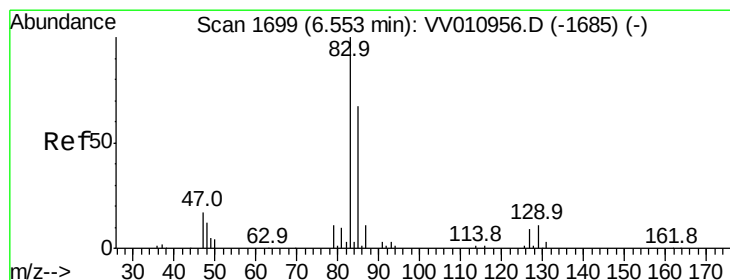
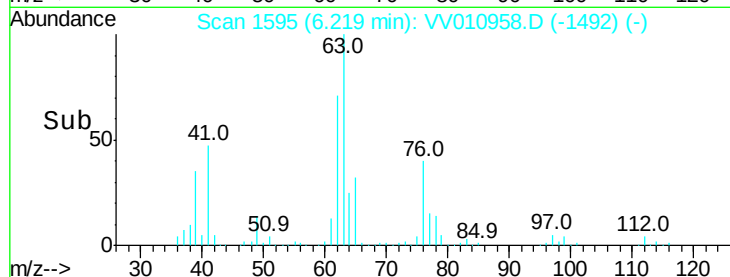
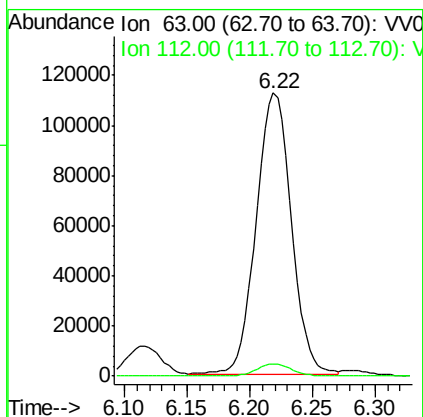
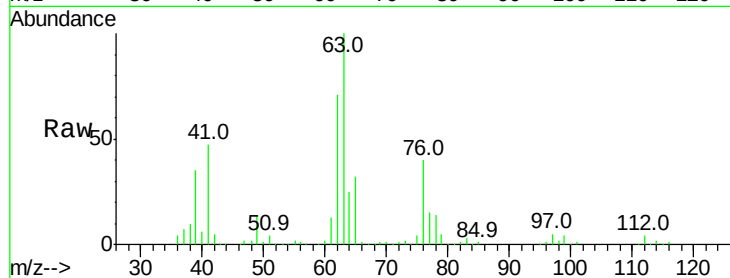
Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD10069

Tgt Ion: 63 Resp: 217967

Ion	Ratio	Lower	Upper
63	100		
112	4.4	3.6	5.4



#41

Bromodichloromethane

Concen: 98.829 ug/L

RT: 6.55 min Scan# 1699

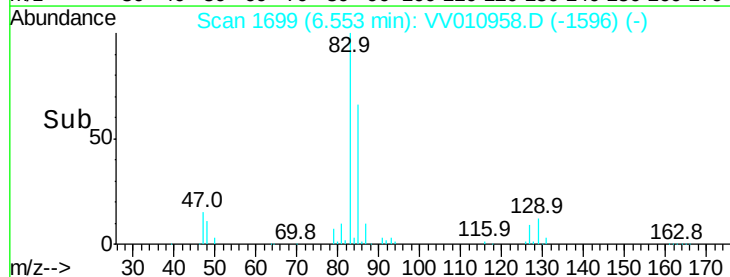
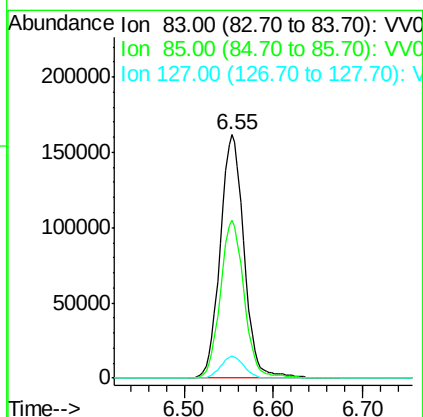
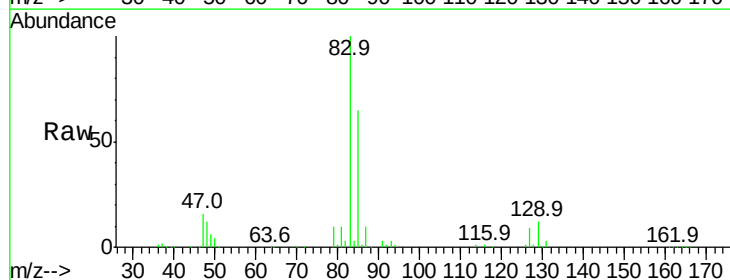
Delta R.T. 0.00 min

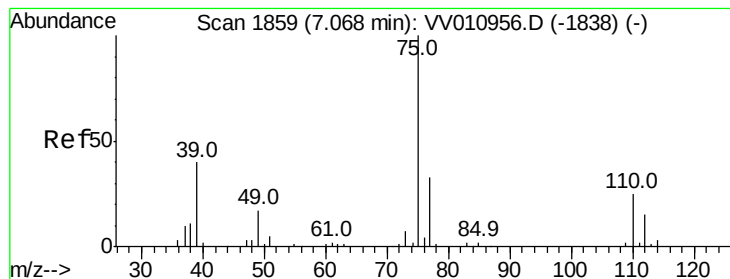
Lab File: VV010958.D

Acq: 20 May 2019 14:06

Tgt Ion: 83 Resp: 298729

Ion	Ratio	Lower	Upper
83	100		
85	65.1	46.7	86.7
127	8.9	7.1	10.7



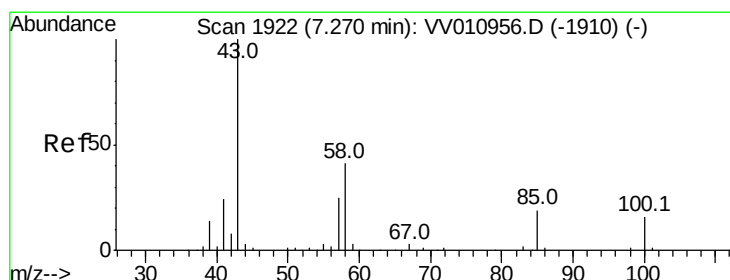
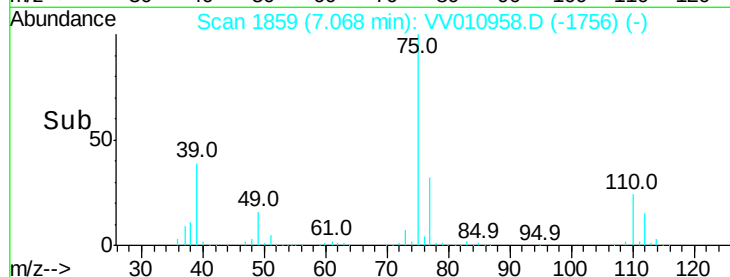
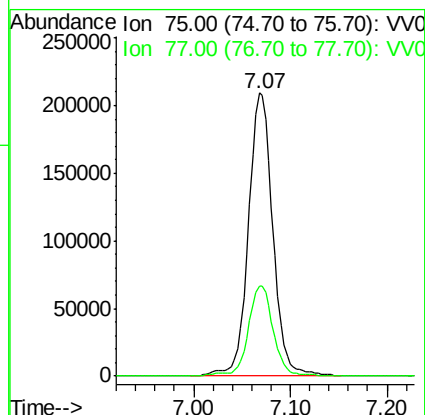
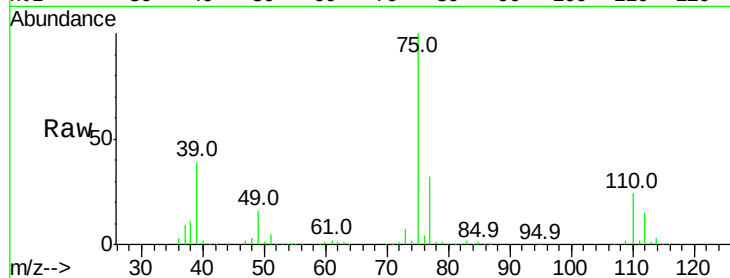


#42

cis-1,3-Dichloropropene
Concen: 106.803 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV010958.D
Acq: 20 May 2019 14:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD10069

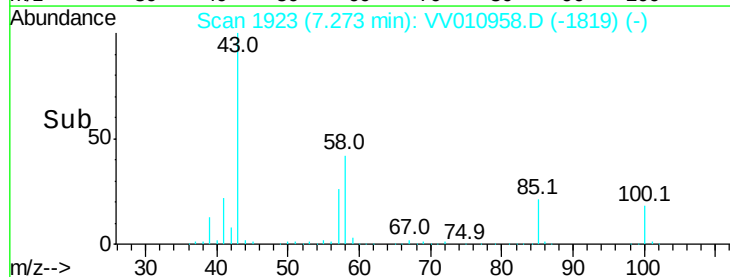
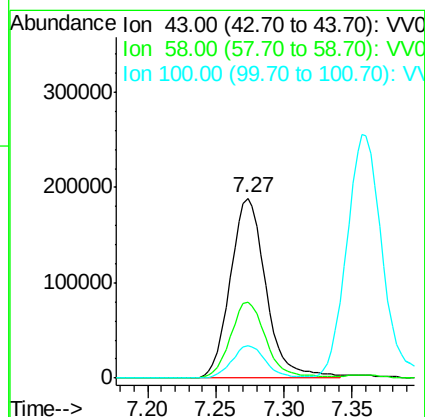
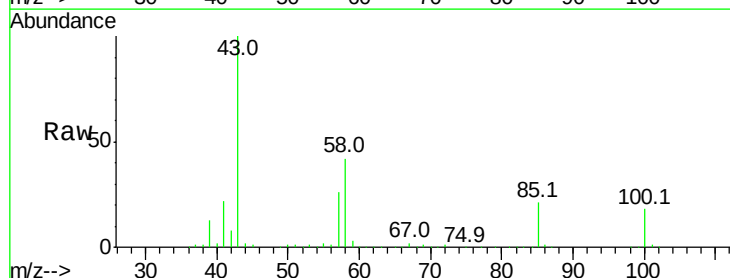
Tgt Ion: 75 Resp: 367298
Ion Ratio Lower Upper
75 100
77 32.0 22.9 42.5

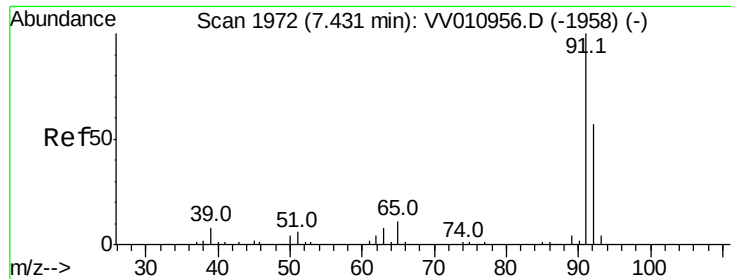


#43

4-Methyl-2-pentanone
Concen: 206.093 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV010958.D
Acq: 20 May 2019 14:06

Tgt Ion: 43 Resp: 343087
Ion Ratio Lower Upper
43 100
58 42.1 33.1 49.7
100 17.2 13.1 19.7





#44

Toluene

Concen: 97.726 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

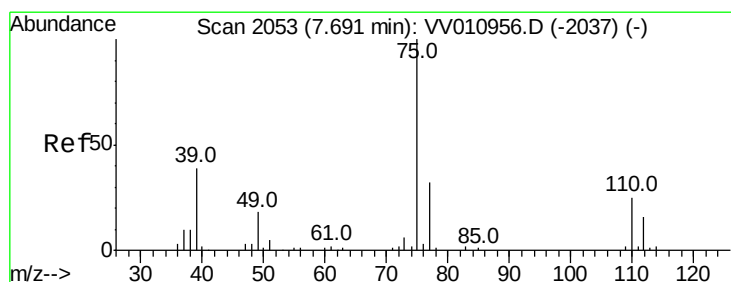
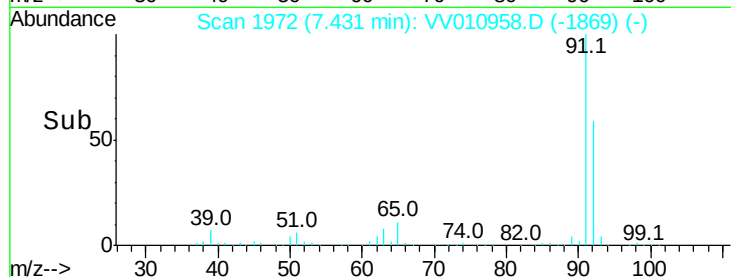
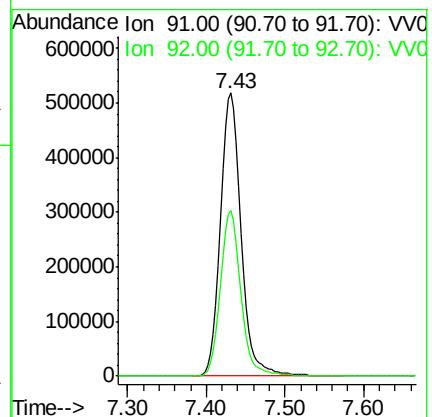
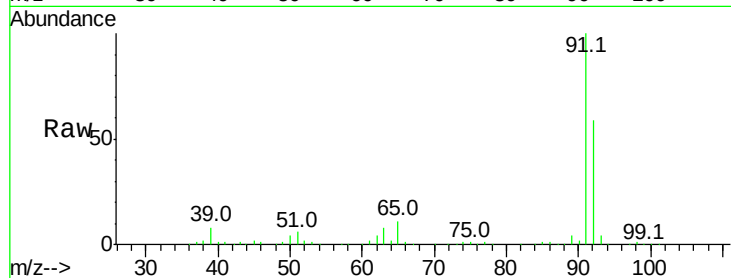
VSTD10069

Tgt Ion: 91 Resp: 940152

Ion Ratio Lower Upper

91 100

92 58.6 40.0 74.4



#45

trans-1,3-Dichloropropene

Concen: 105.726 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV010958.D

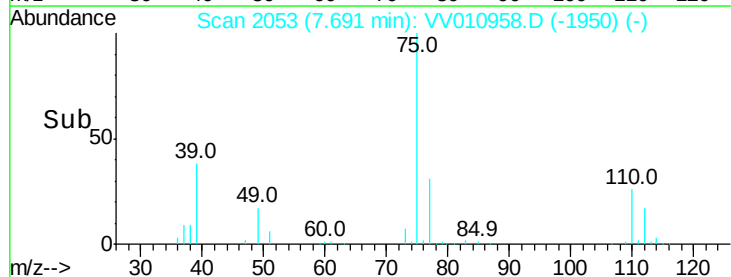
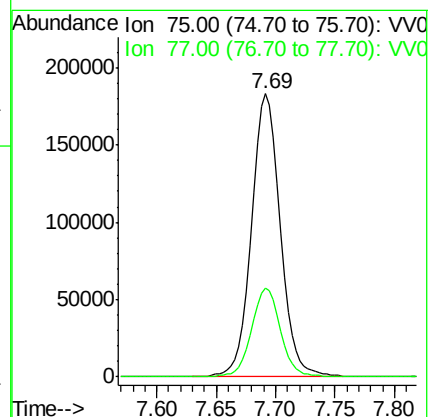
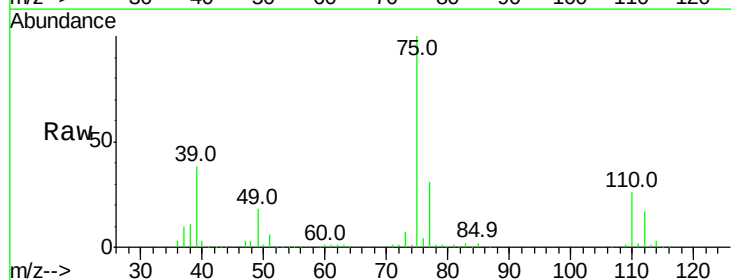
Acq: 20 May 2019 14:06

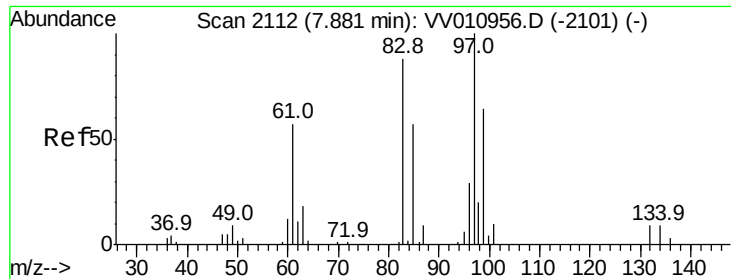
Tgt Ion: 75 Resp: 307289

Ion Ratio Lower Upper

75 100

77 31.3 22.0 41.0

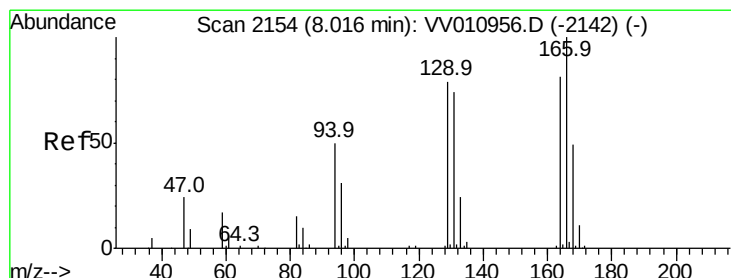
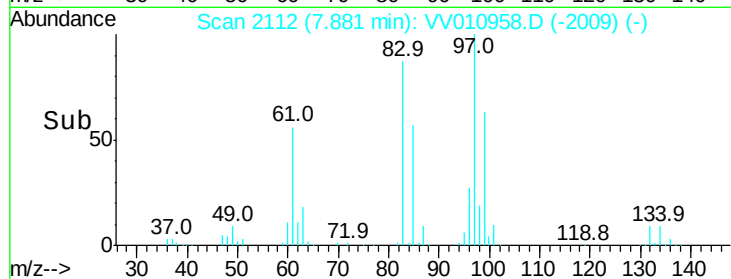
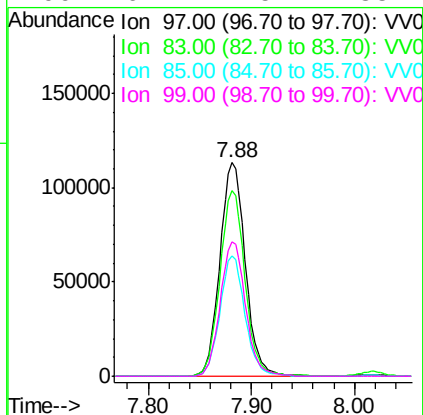
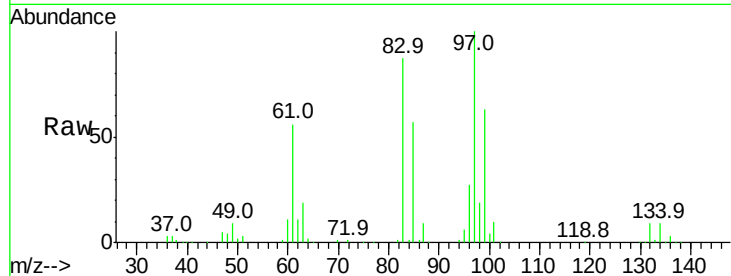




#46
 1,1,2-Trichloroethane
 Concen: 102.423 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV010958.D
 Acq: 20 May 2019 14:06

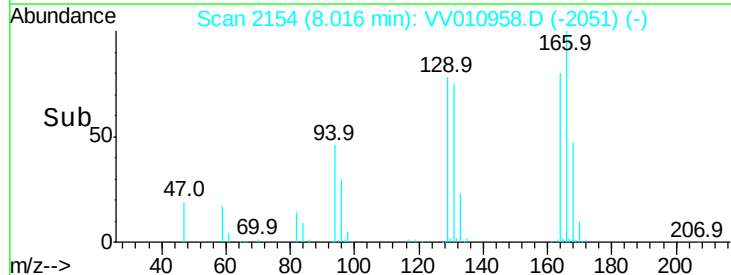
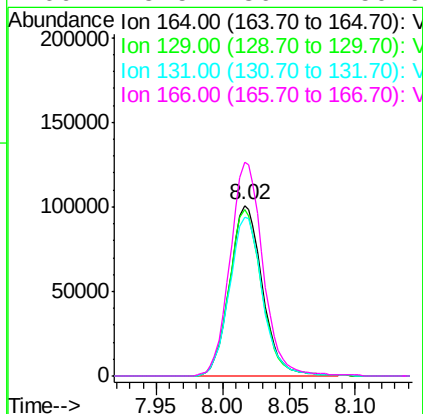
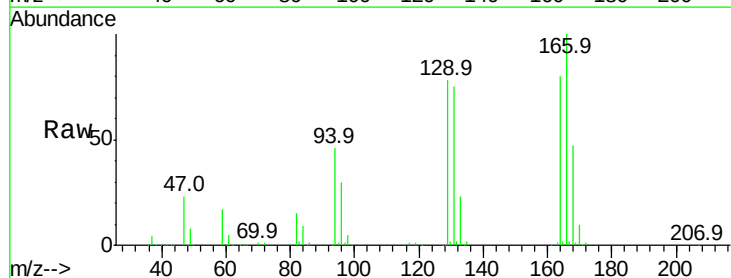
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10069

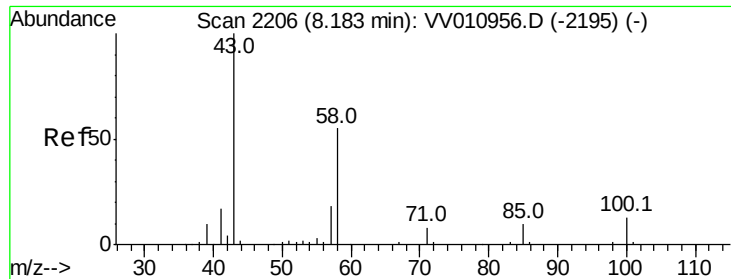
Tgt Ion:	97	Resp:	194443
Ion	Ratio	Lower	Upper
97	100		
83	86.9	61.6	114.4
85	56.6	40.2	74.6
99	62.7	45.1	83.7



#47
 Tetrachloroethene
 Concen: 104.356 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV010958.D
 Acq: 20 May 2019 14:06

Tgt Ion:	164	Resp:	172965
Ion	Ratio	Lower	Upper
164	100		
129	97.4	67.8	125.8
131	93.6	64.1	119.1
166	125.5	86.1	159.9

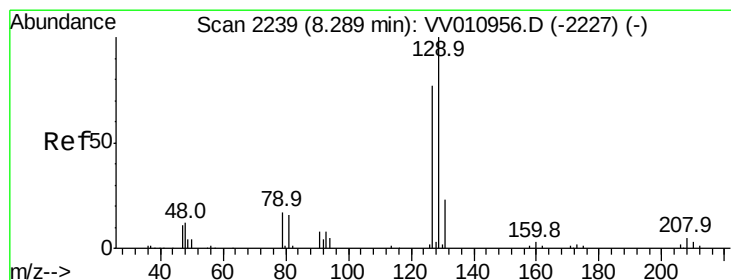
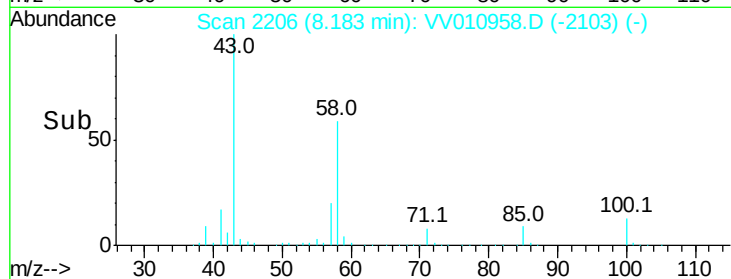
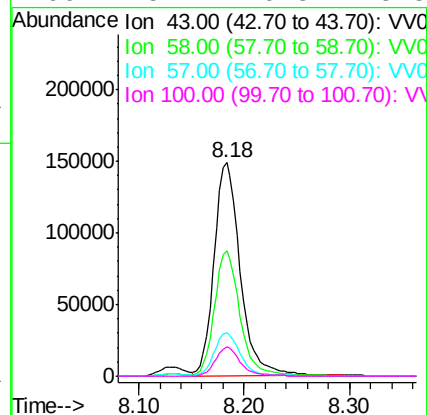
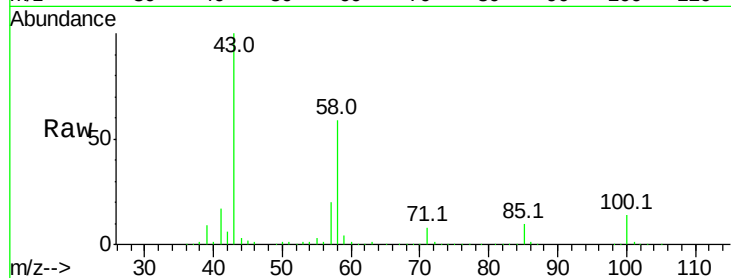




#49
2-Hexanone
Concen: 209.218 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV010958.D
Acq: 20 May 2019 14:06

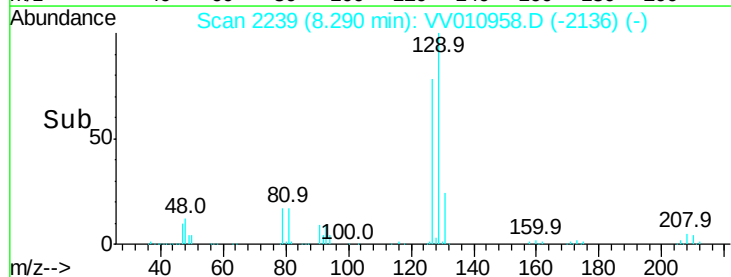
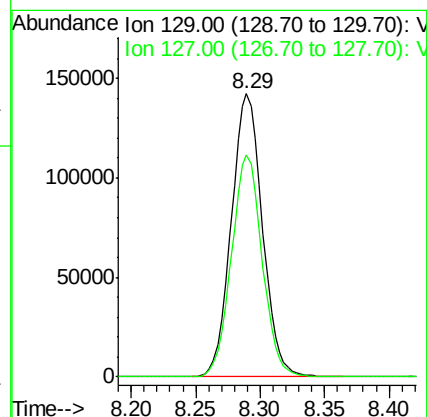
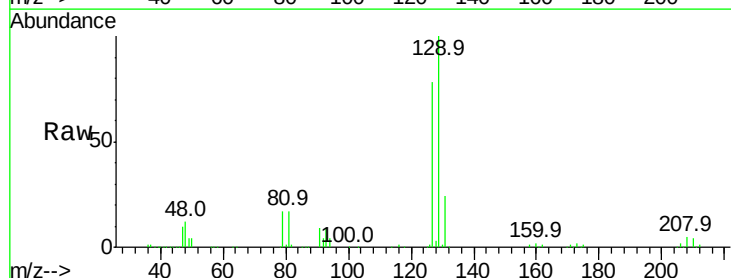
Instrument :
MSVOA_V
ClientSampleId :
VSTD10069

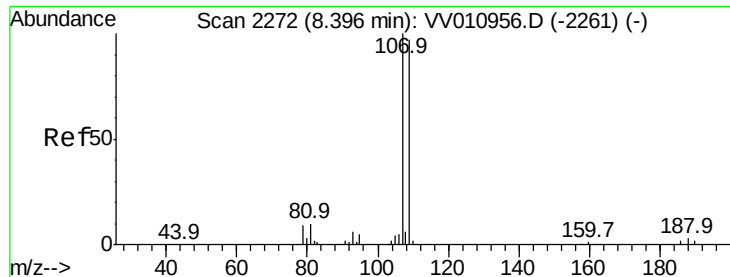
Tgt Ion: 43 Resp: 257232
Ion Ratio Lower Upper
43 100
58 57.5 46.0 69.0
57 20.3 14.5 21.7
100 13.2 10.3 15.5



#50
Dibromochloromethane
Concen: 112.621 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010958.D
Acq: 20 May 2019 14:06

Tgt Ion: 129 Resp: 237816
Ion Ratio Lower Upper
129 100
127 78.4 54.4 101.0





#51

1,2-Dibromoethane

Concen: 106.007 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD10069

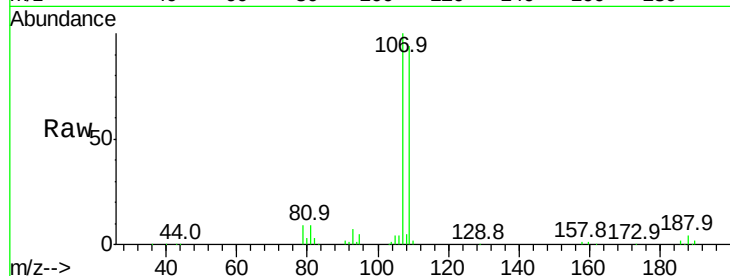
Tgt Ion:107 Resp: 189592

Ion Ratio Lower Upper

107 100

109 93.9 68.0 126.4

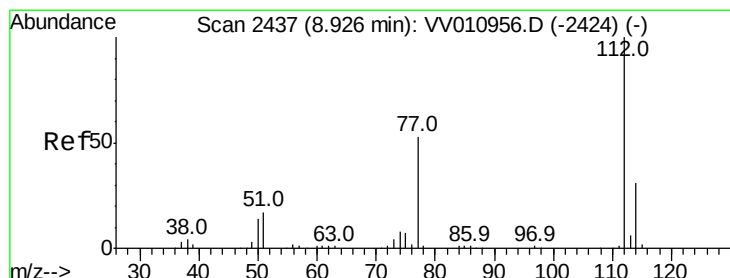
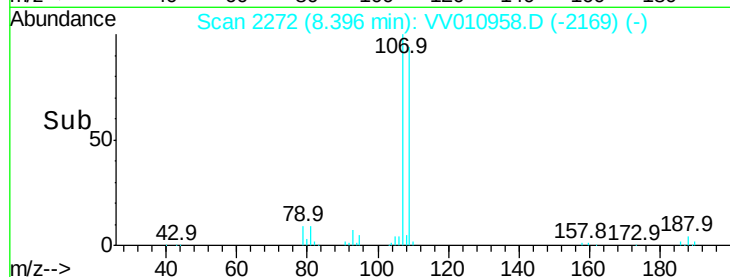
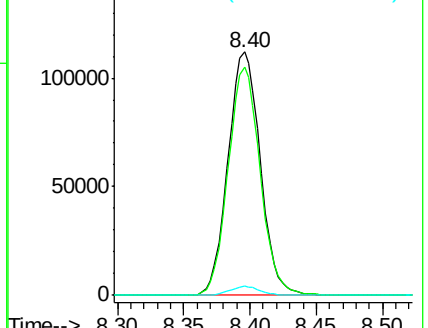
188 3.6 2.3 3.5#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 97.466 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

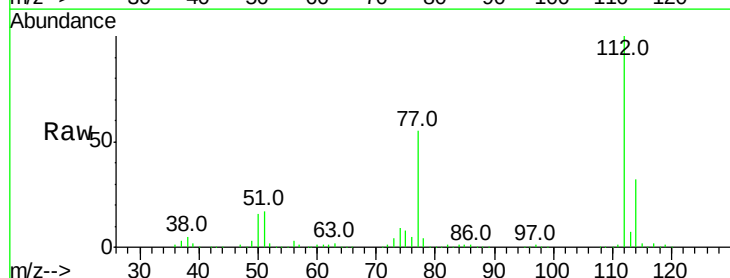
Tgt Ion:112 Resp: 638595

Ion Ratio Lower Upper

112 100

77 54.6 43.0 64.4

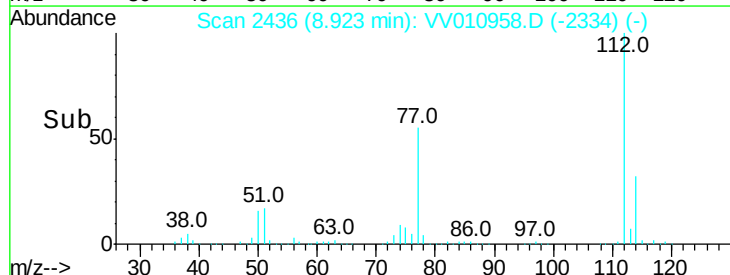
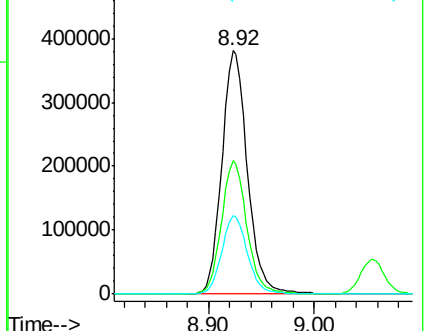
114 32.0 22.0 40.8

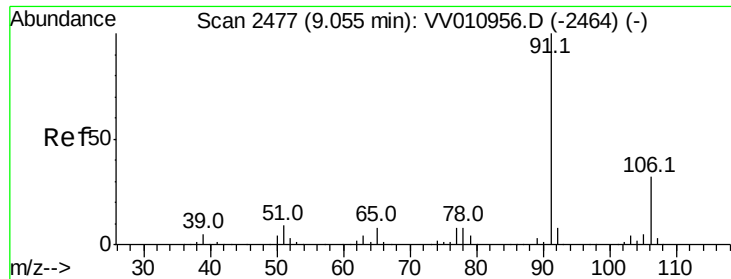


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 99.851 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

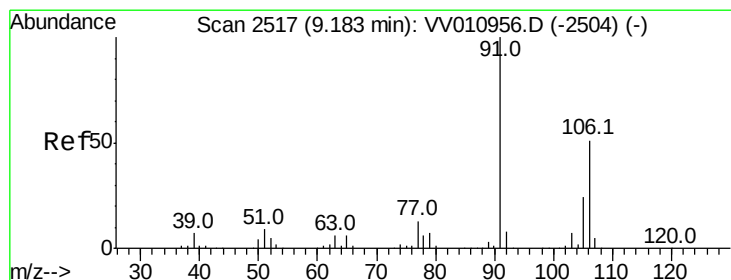
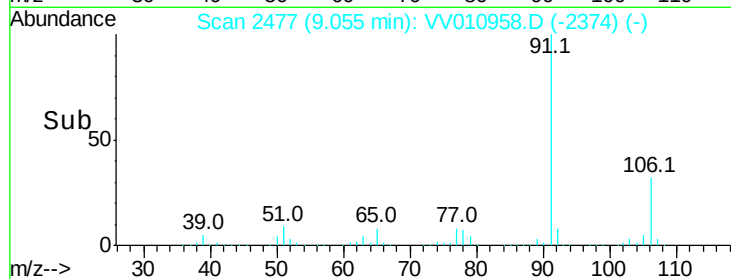
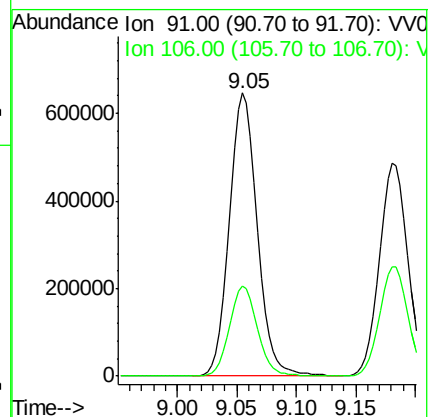
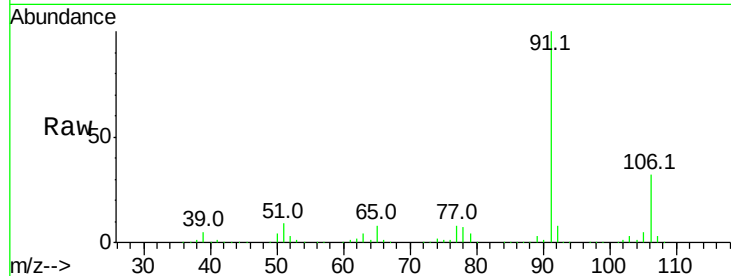
VSTD10069

Tgt Ion: 91 Resp: 1052371

Ion Ratio Lower Upper

91 100

106 32.0 22.4 41.6



#54

m,p-Xylene

Concen: 100.582 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV010958.D

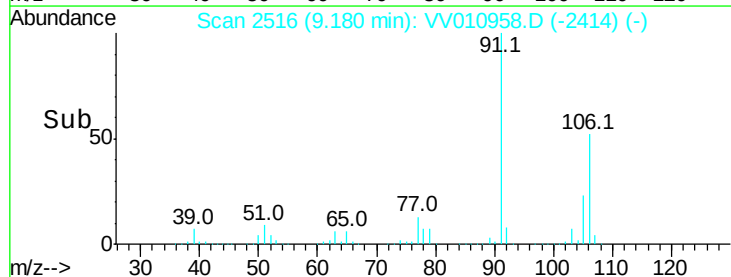
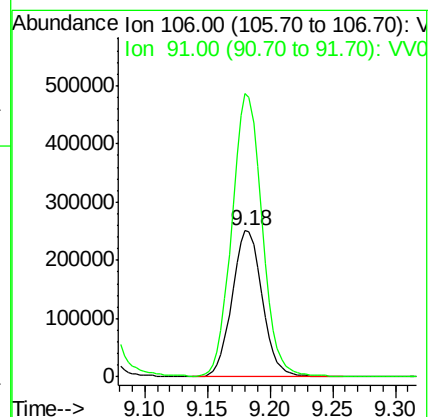
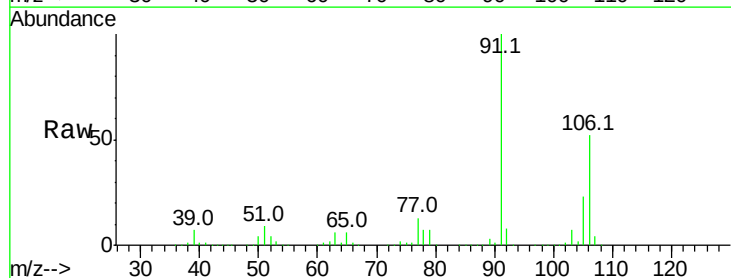
Acq: 20 May 2019 14:06

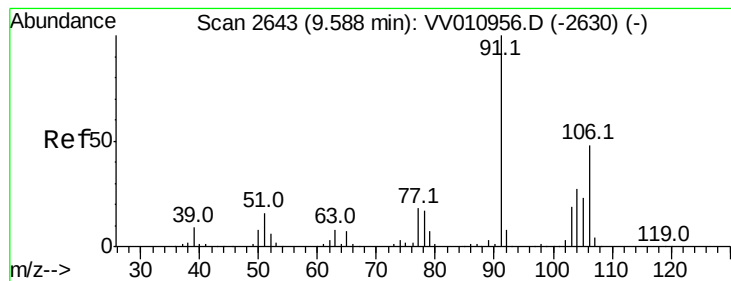
Tgt Ion: 106 Resp: 417677

Ion Ratio Lower Upper

106 100

91 193.7 138.3 256.9





#55

o-xylene

Concen: 99.744 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

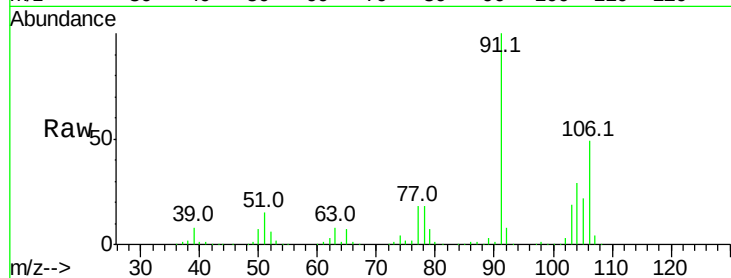
VSTD10069

Tgt Ion:106 Resp: 406937

Ion Ratio Lower Upper

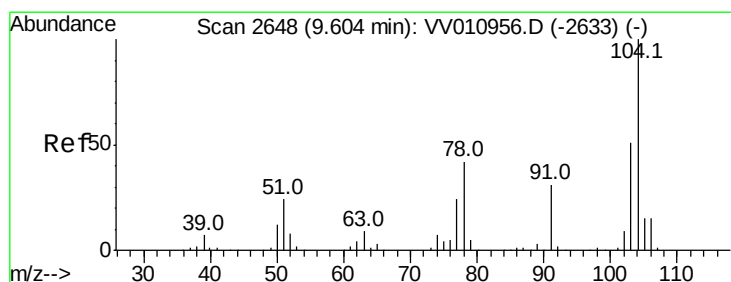
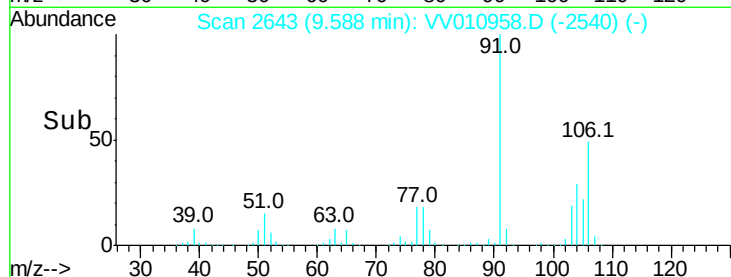
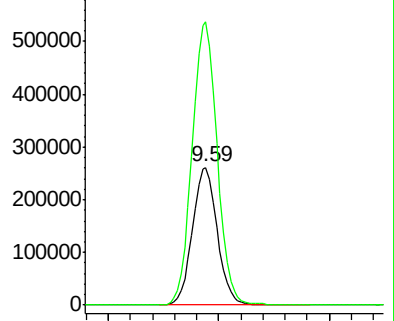
106 100

91 205.3 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 101.829 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010958.D

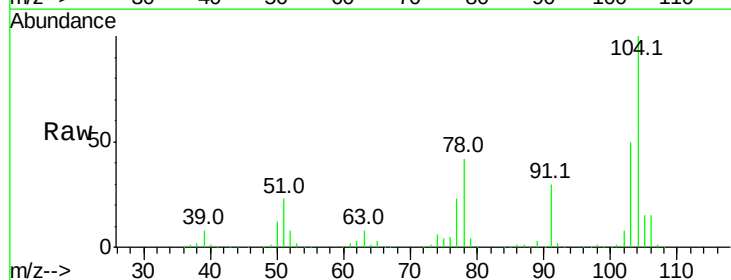
Acq: 20 May 2019 14:06

Tgt Ion:104 Resp: 712366

Ion Ratio Lower Upper

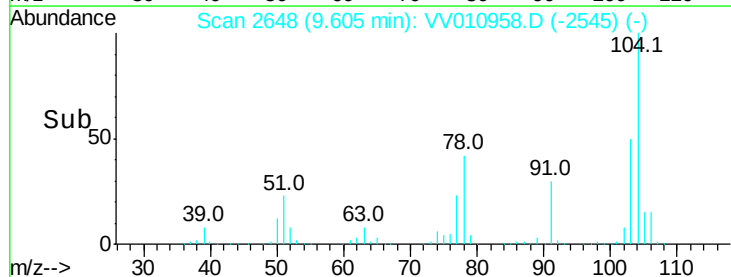
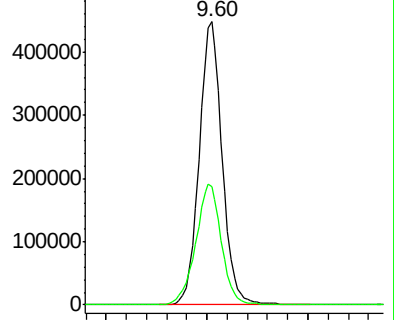
104 100

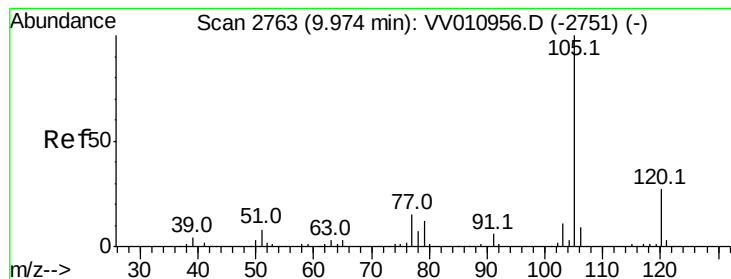
78 41.8 29.2 54.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 103.098 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD10069

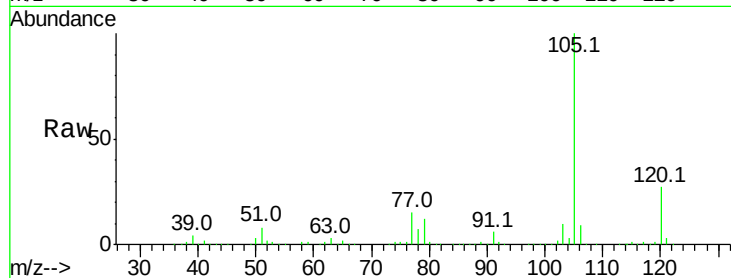
Tgt Ion:105 Resp: 1052885

Ion Ratio Lower Upper

105 100

120 27.2 21.9 32.9

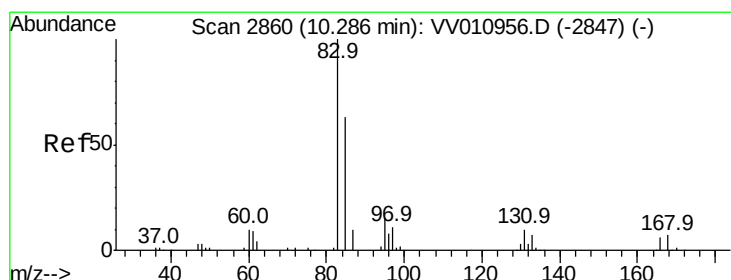
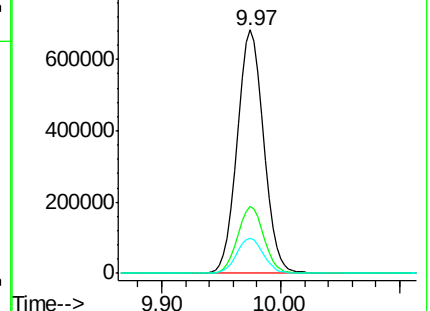
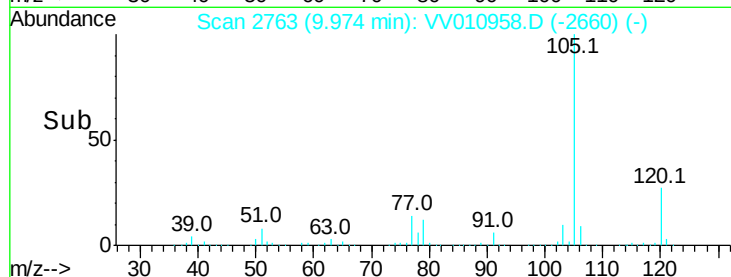
77 14.6 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 102.586 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

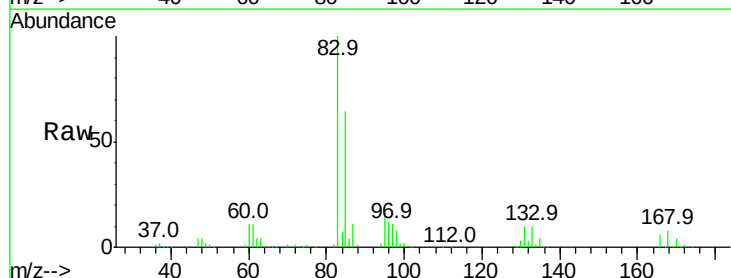
Tgt Ion: 83 Resp: 257201

Ion Ratio Lower Upper

83 100

85 64.4 44.4 82.5

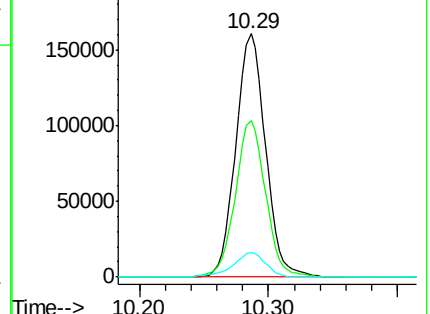
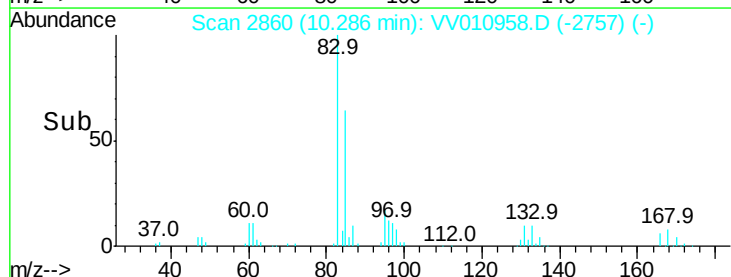
131 10.1 8.2 12.4

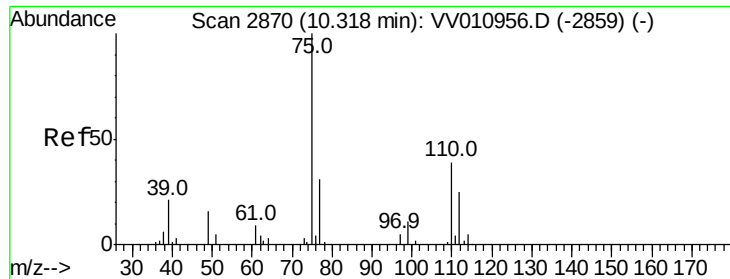


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 100.920 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

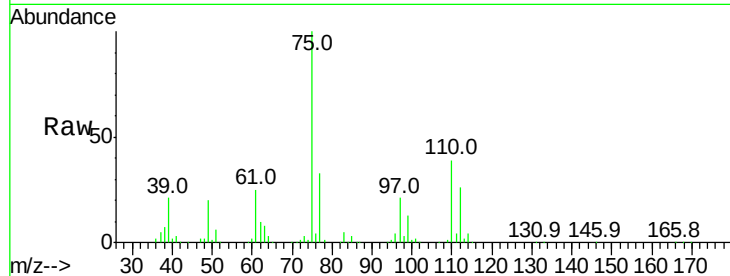
VSTD10069

Tgt Ion: 75 Resp: 183330

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV010956.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV010956.D (-2859) (-)

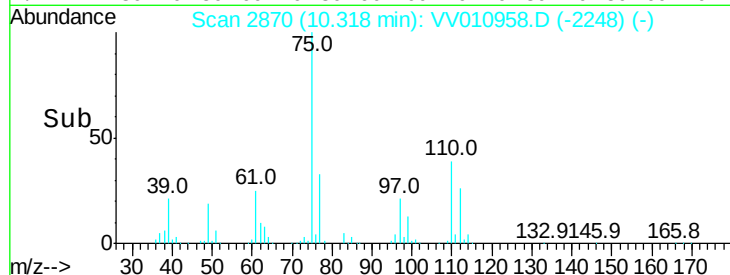
10.32

100000

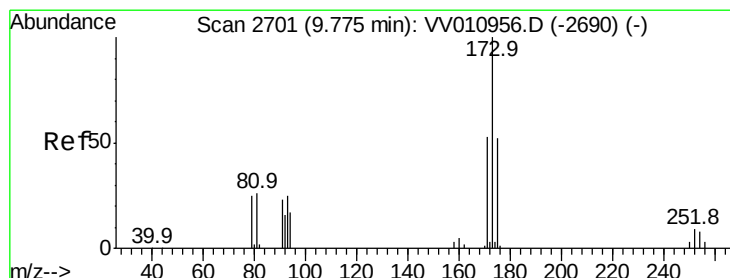
50000

0

Time-->



Time-->



#62

Bromoform

Concen: 118.759 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

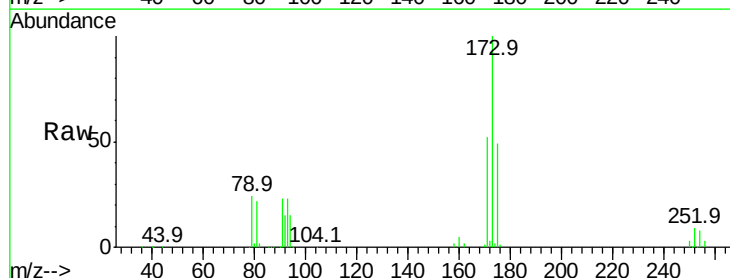
Tgt Ion: 173 Resp: 143025

Ion Ratio Lower Upper

173 100

175 48.4 40.3 60.5

254 8.2 6.1 9.1



Abundance Ion 173.00 (172.70 to 173.70): VV010956.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV010956.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV010956.D (-2690) (-)

9.77

120000

100000

80000

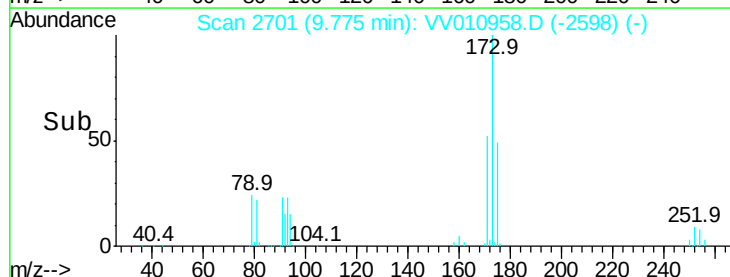
60000

40000

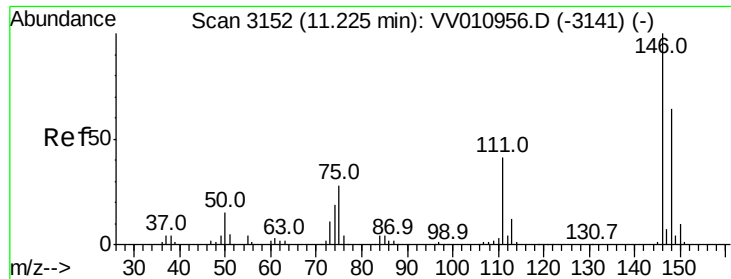
20000

0

Time-->



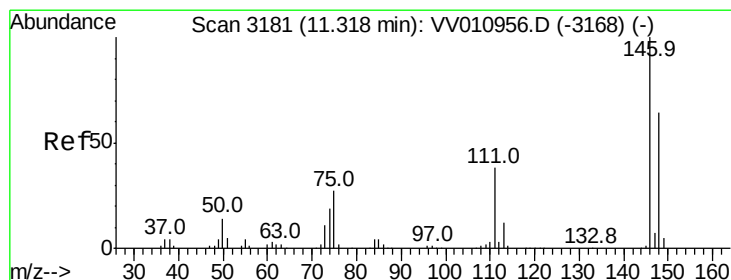
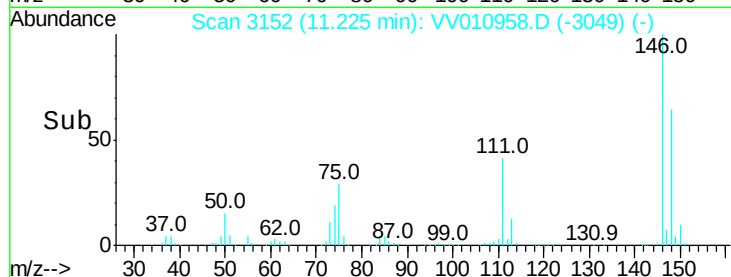
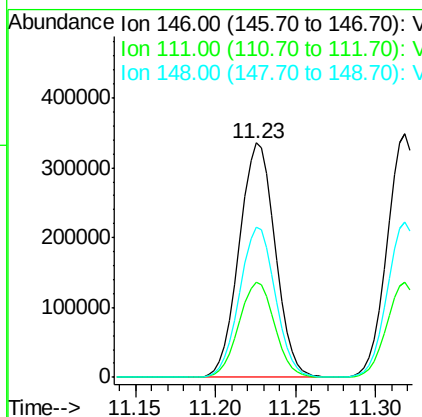
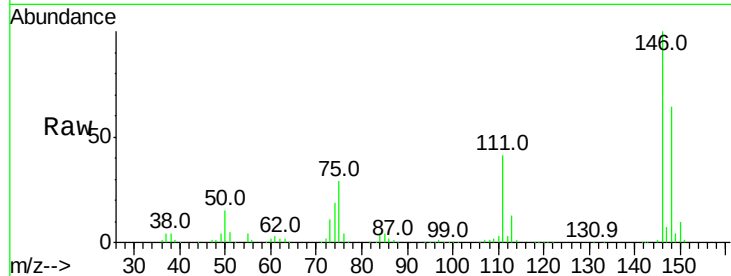
Time-->



#63
 1,3-Dichlorobenzene
 Concen: 96.660 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV010958.D
 Acq: 20 May 2019 14:06

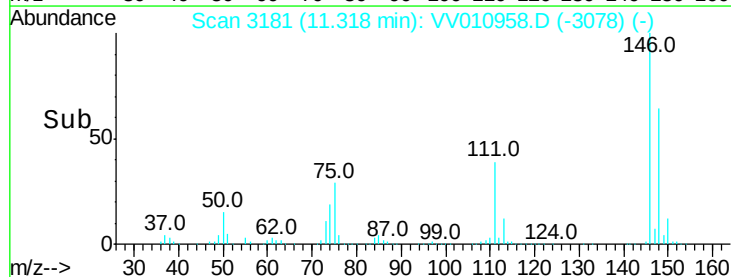
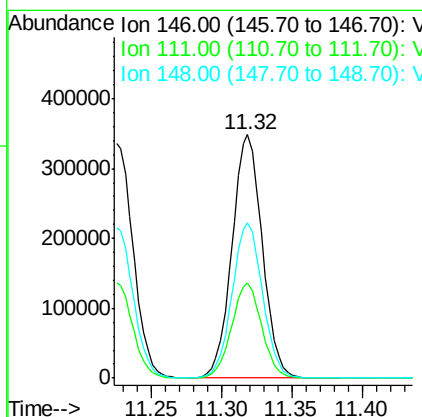
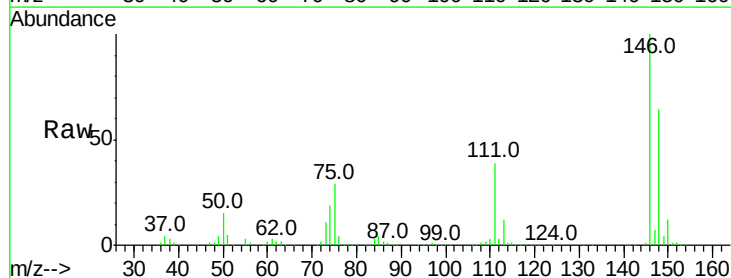
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10069

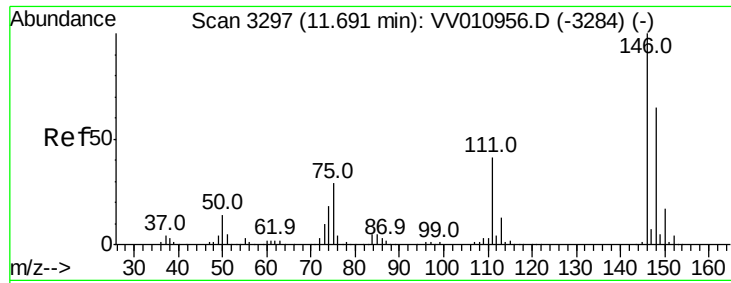
Tgt Ion:146 Resp: 515281
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.4 52.8
 148 64.2 44.8 83.2



#64
 1,4-Dichlorobenzene
 Concen: 94.782 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010958.D
 Acq: 20 May 2019 14:06

Tgt Ion:146 Resp: 523430
 Ion Ratio Lower Upper
 146 100
 111 39.0 26.5 49.1
 148 63.8 45.0 83.6

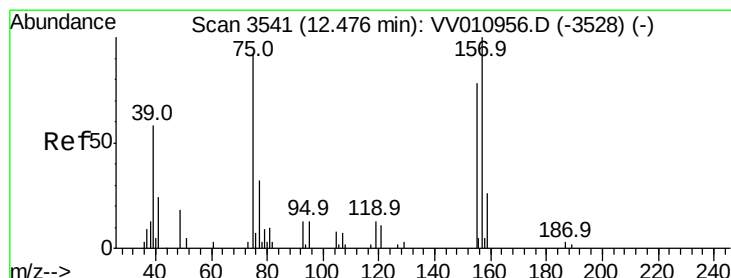
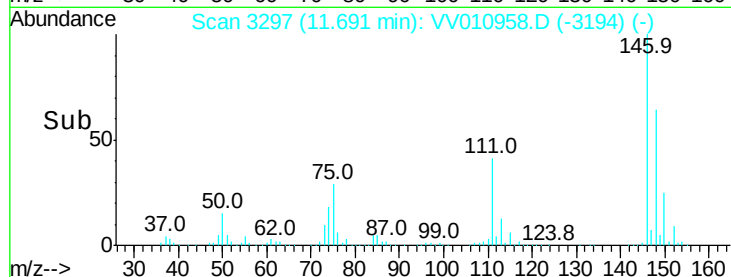
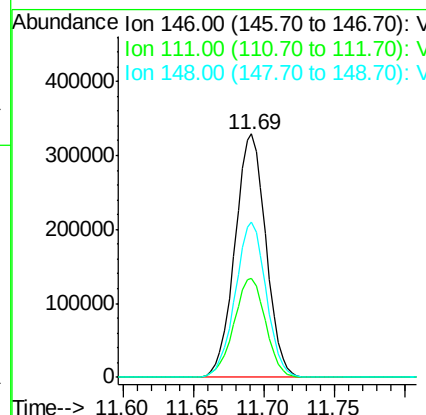
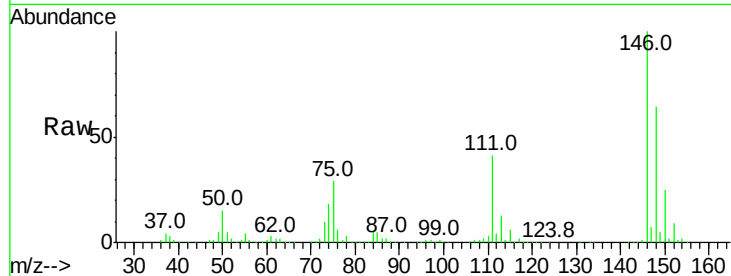




#65
 1,2-Dichlorobenzene
 Concen: 95.054 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV010958.D
 Acq: 20 May 2019 14:06

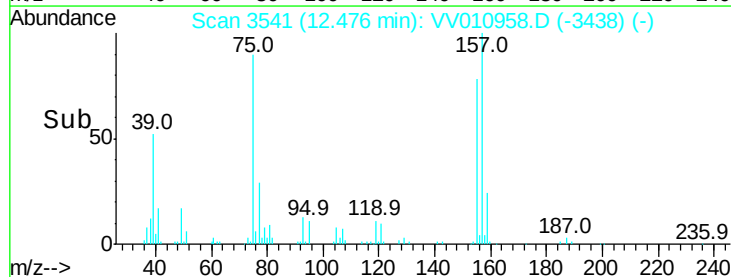
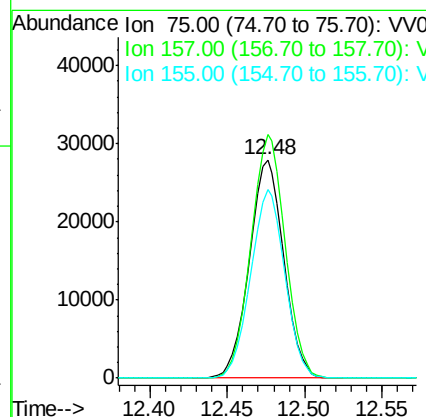
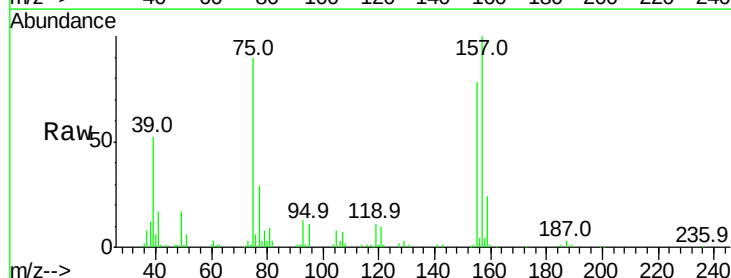
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10069

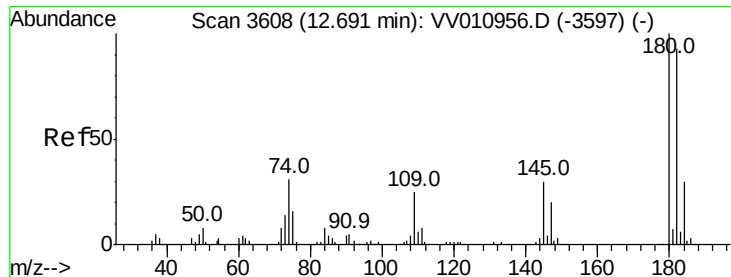
Tgt Ion: 146 Resp: 505539
 Ion Ratio Lower Upper
 146 100
 111 40.9 32.8 49.2
 148 64.0 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 108.564 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV010958.D
 Acq: 20 May 2019 14:06

Tgt Ion: 75 Resp: 43242
 Ion Ratio Lower Upper
 75 100
 157 111.4 87.0 130.4
 155 86.5 67.8 101.8

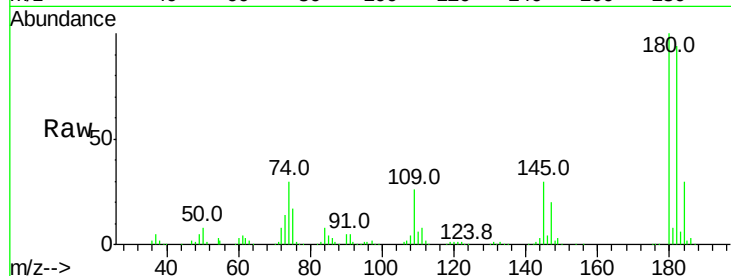




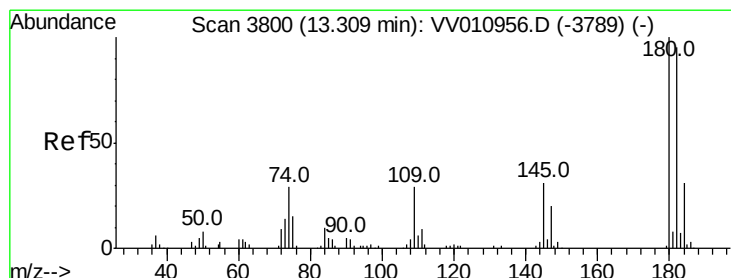
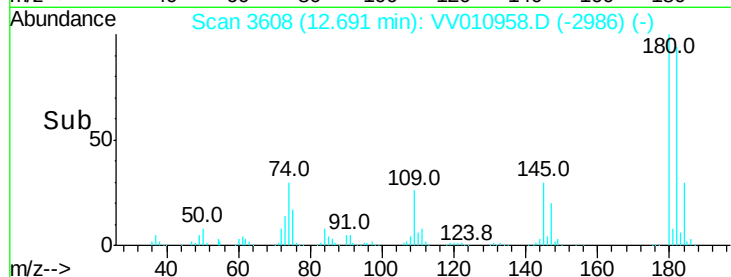
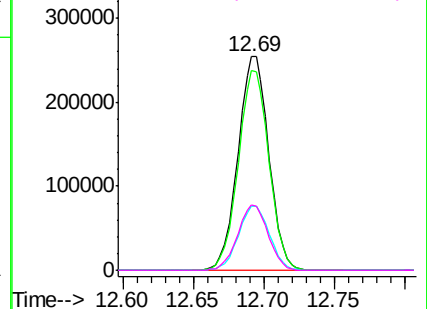
#67
 1,3,5-Trichlorobenzene
 Concen: 99.850 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010958.D
 Acq: 20 May 2019 14:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10069

Tgt Ion:180 Resp: 387918
 Ion Ratio Lower Upper
 180 100
 182 93.3 76.2 114.2
 184 30.3 24.6 37.0
 145 30.2 24.1 36.1

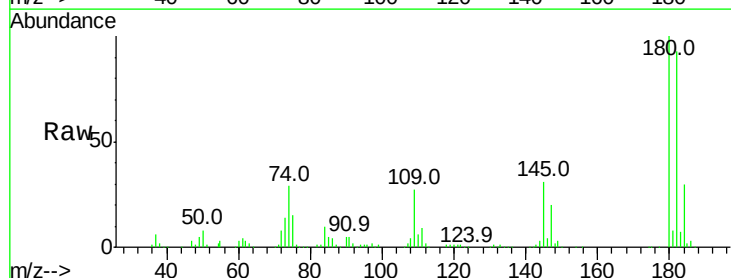


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

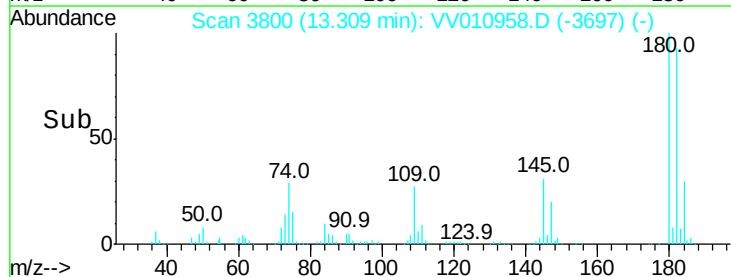
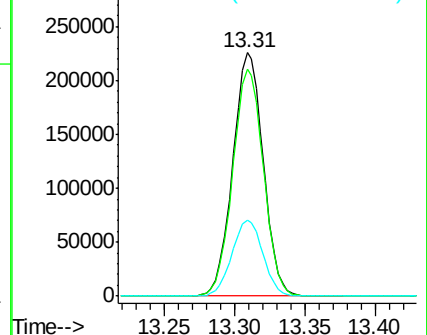


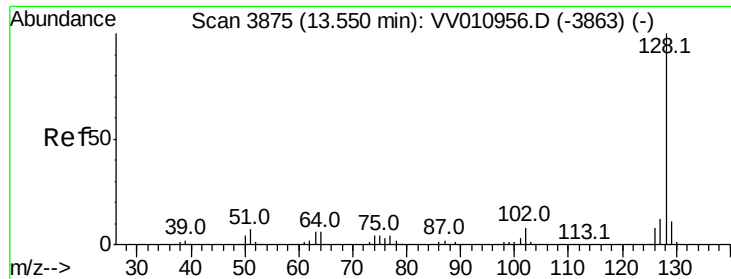
#68
 1,2,4-trichlorobenzene
 Concen: 108.327 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010958.D
 Acq: 20 May 2019 14:06

Tgt Ion:180 Resp: 339828
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.4 113.2
 145 31.7 25.1 37.7



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





#69

Naphthalene

Concen: 121.159 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD10069

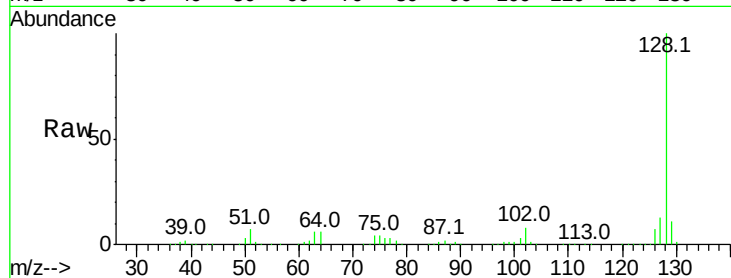
Tgt Ion:128 Resp: 796190

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

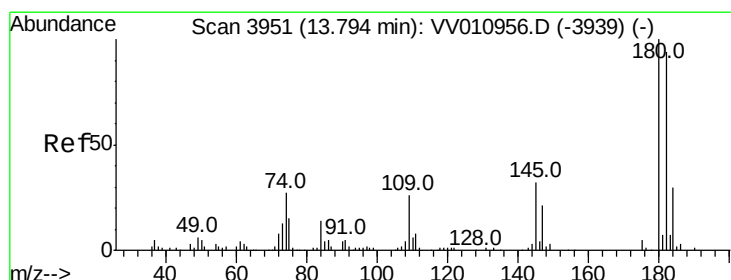
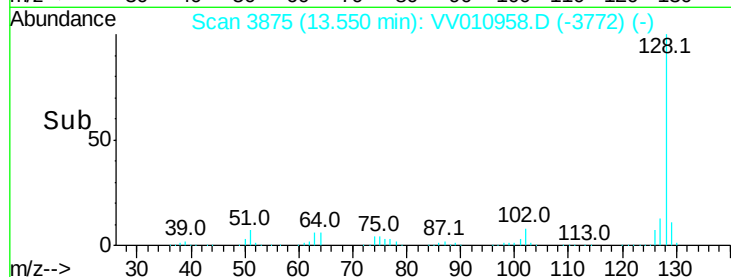
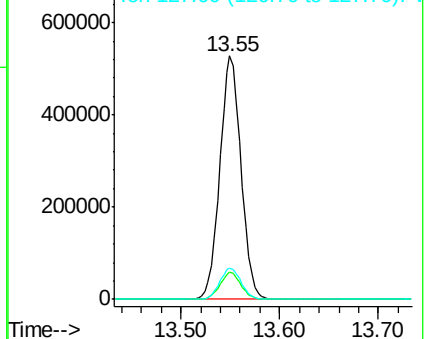
127 13.0 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 109.568 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010958.D

Acq: 20 May 2019 14:06

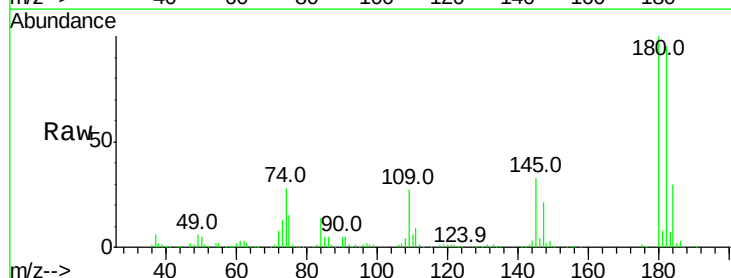
Tgt Ion:180 Resp: 327139

Ion Ratio Lower Upper

180 100

182 93.8 75.7 113.5

145 33.0 26.9 40.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

