

Data File : VV010579.D
Acq On : 30 Apr 2019 17:16
Operator : SY/MD
Sample : VSTD02039
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02039

Quant Time: May 01 07:36:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 01 07:31:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	220432	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	225157	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	111595	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	233700	21.37	ug/L	0.00
7) Chloroethane-d5	1.57	69	117372	18.38	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	456245	22.05	ug/L	0.00
20) 2-Butanone-d5	3.94	46	596225	217.31	ug/L	0.00
24) Chloroform-d	4.40	84	540378	19.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	252232	19.58	ug/L	0.00
32) Benzene-d6	5.10	84	1069730	19.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	323809	20.80	ug/L	0.00
41) Toluene-d8	7.36	98	1071110	20.61	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	125911	20.97	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	526111	211.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	235716	19.21	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	387646	18.61	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	391435	21.858 ug/L	96
3) Chloromethane	1.25	50	321912	23.837 ug/L	99
5) Vinyl chloride	1.32	62	346716	25.712 ug/L	99
6) Bromomethane	1.53	94	136582	24.516 ug/L	92
8) Chloroethane	1.59	64	140104	23.320 ug/L	96
9) Trichlorofluoromethane	1.76	101	554322	22.309 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	279469	22.538 ug/L	99
12) 1,1-Dichloroethene	2.14	96	252024	22.765 ug/L	97
13) Acetone	2.20	43	308678	215.582 ug/L	100
14) Carbon disulfide	2.31	76	699689	24.430 ug/L	97
15) Methyl Acetate	2.46	43	92567	19.411 ug/L	99
16) Methylene chloride	2.53	84	291575	18.303 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	636629	21.045 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	298035	20.025 ug/L	98
19) 1,1-Dichloroethane	3.23	63	541779	21.529 ug/L	96
21) 2-Butanone	4.03	43	665181	230.324 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	327337	20.211 ug/L	98
23) Bromochloromethane	4.30	128	131757	17.856 ug/L	96
25) Chloroform	4.43	83	568090	20.220 ug/L	99
27) 1,2-Dichloroethane	5.18	62	336526	20.877 ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	510646	19.567 ug/L	100
30) Cyclohexane	4.72	56	504780	25.495 ug/L	96
31) Carbon tetrachloride	4.87	117	474461	19.205 ug/L	100
33) Benzene	5.15	78	1236867	21.136 ug/L	100
34) Trichloroethene	5.96	95	336165	19.856 ug/L	97
35) Methylcyclohexane	6.18	83	542748	24.217 ug/L	95
37) 1,2-Dichloropropane	6.22	63	303748	22.470 ug/L	99
38) Bromodichloromethane	6.56	83	394377	20.501 ug/L	94
39) cis-1,3-Dichloropropene	7.07	75	465455	23.813 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	1679787	230.912 ug/L	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1431719	22.412	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	356949	23.330	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	212334	18.996	ug/L	93
47) Tetrachloroethene	8.02	164	273592	17.942	ug/L	94
48) 2-Hexanone	8.19	43	1213257	238.542	ug/L	96
49) Dibromochloromethane	8.29	129	273133	20.308	ug/L	94
50) 1,2-Dibromoethane	8.40	107	201442	19.641	ug/L	98
51) Chlorobenzene	8.93	112	914193	20.423	ug/L	98
52) Ethylbenzene	9.05	91	1576227	23.182	ug/L	99
53) m,p-xylene	9.18	106	631142	23.737	ug/L	99
54) o-xylene	9.59	106	611399	23.442	ug/L	95
55) Styrene	9.60	104	999808	23.321	ug/L	99
56) Isopropylbenzene	9.97	105	1592762	23.292	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	240599	19.807	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	173613	20.093	ug/L	100
61) Bromoform	9.77	173	137568	19.649	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	700290	20.469	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	705123	20.071	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	651323	19.459	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	37158	19.697	ug/L	86
67) 1,3,5-Trichlorobenzene	12.69	180	545137	19.377	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	433338	20.315	ug/L	100
69) Naphthalene	13.55	128	757103	23.669	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	399137	19.050	ug/L	97

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

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MSVOA_V
ClientSampleId :
VSTD02039

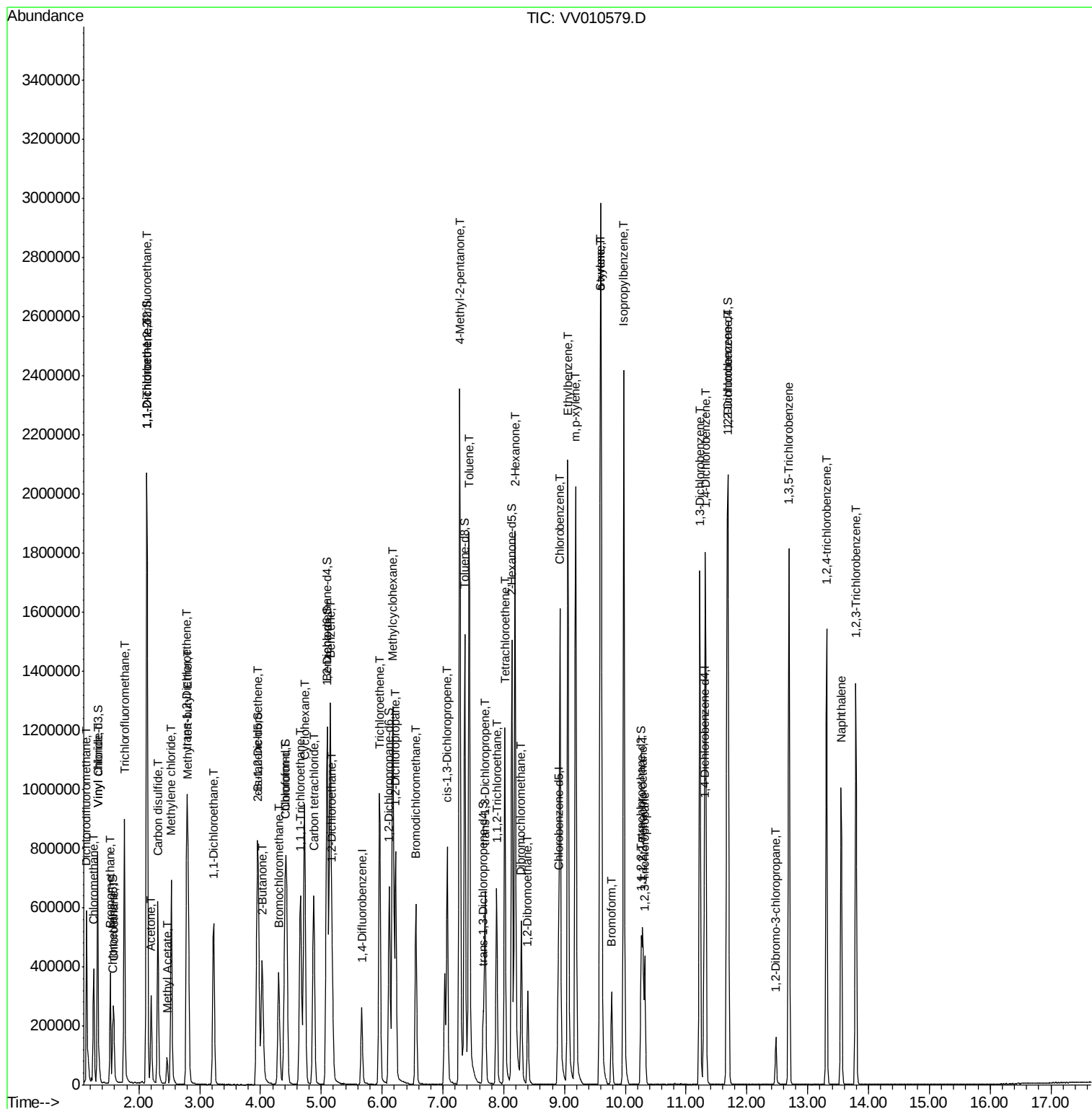
Quant Time: May 01 07:36:12 2019

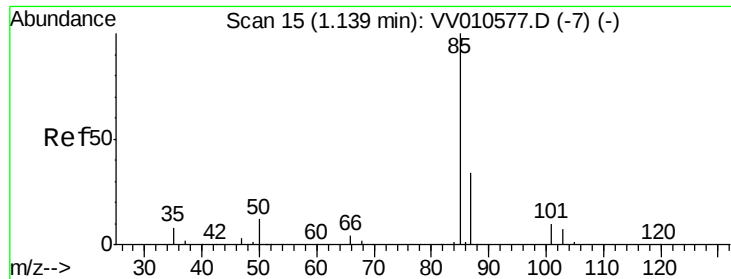
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR050119WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 21.858 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

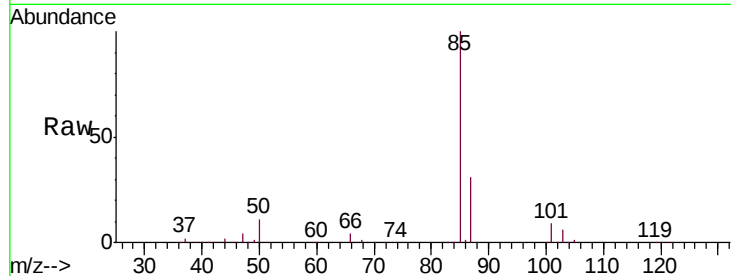
VSTD02039

Tgt Ion: 85 Resp: 391435

Ion Ratio Lower Upper

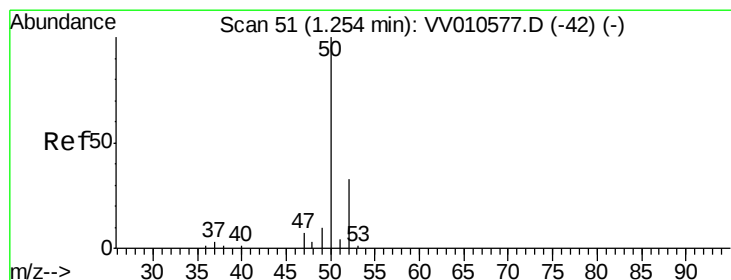
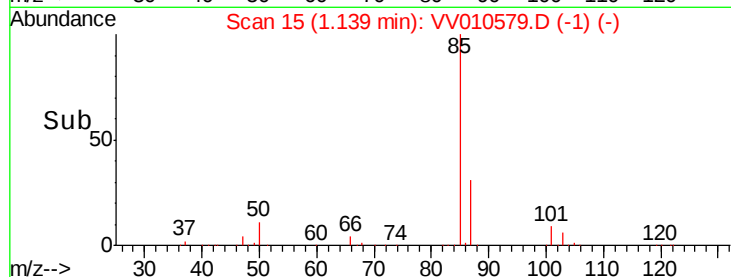
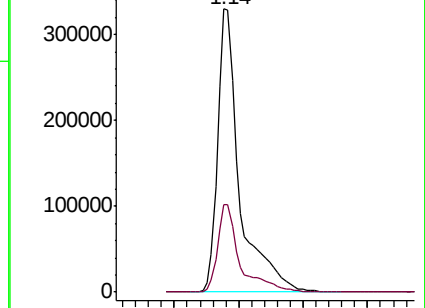
85 100

87 31.4 27.0 40.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 23.837 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010579.D

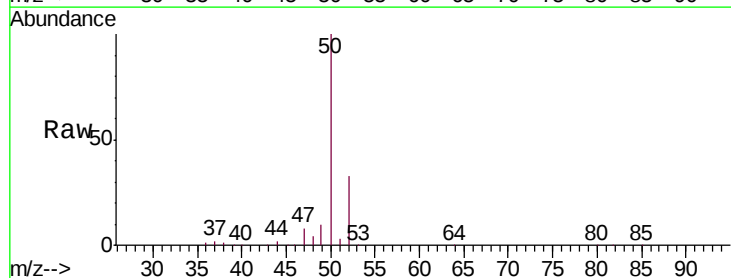
Acq: 30 Apr 2019 17:16

Tgt Ion: 50 Resp: 321912

Ion Ratio Lower Upper

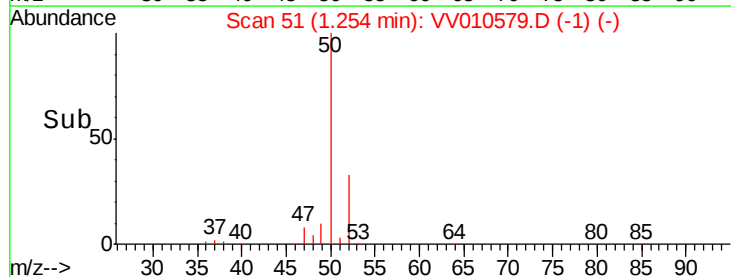
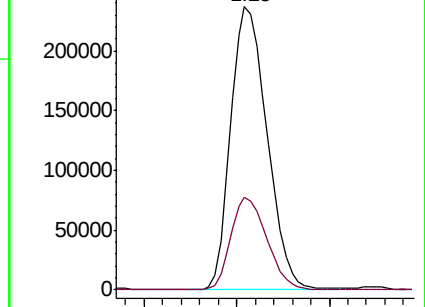
50 100

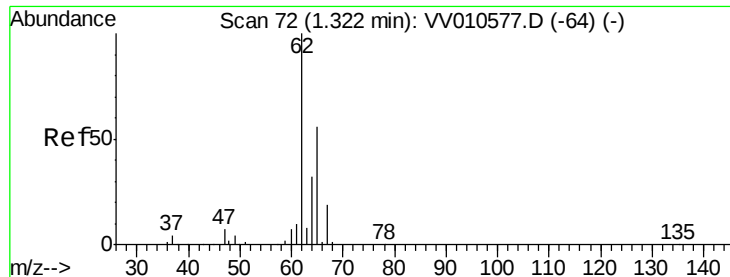
52 32.5 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 25.712 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

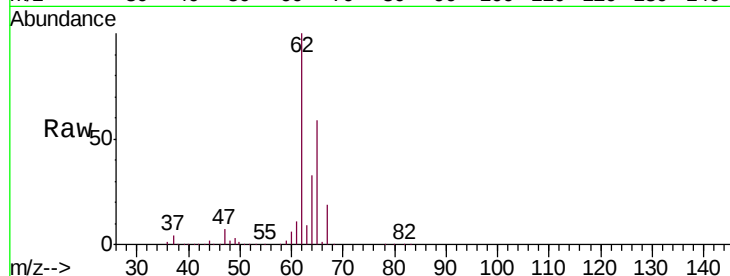
VSTD02039

Tgt Ion: 62 Resp: 346716

Ion Ratio Lower Upper

62 100

64 33.4 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV010577.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV010579.D (-39) (-)

1.32

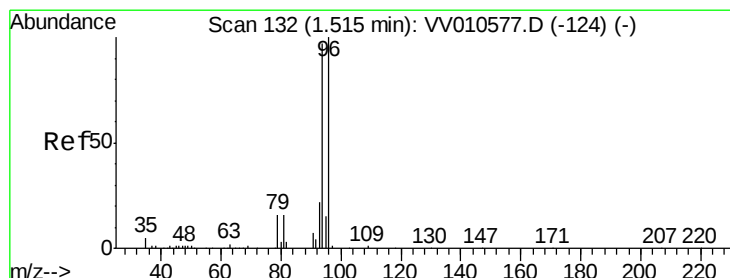
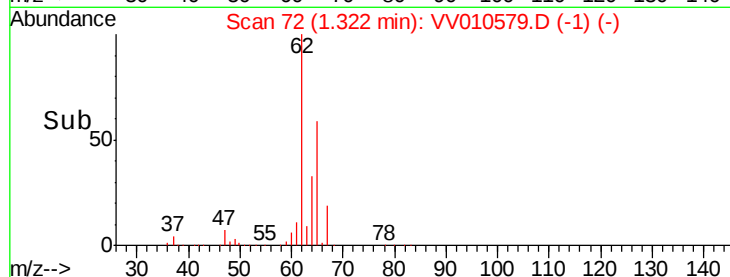
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 24.516 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.01 min

Lab File: VV010579.D

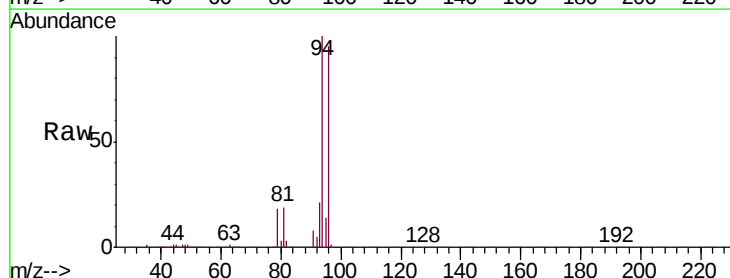
Acq: 30 Apr 2019 17:16

Tgt Ion: 94 Resp: 136582

Ion Ratio Lower Upper

94 100

96 95.5 72.3 134.3



Abundance Ion 94.00 (93.70 to 94.70): VV010577.D (-124) (-)

Ion 96.00 (95.70 to 96.70): VV010579.D (-39) (-)

1.53

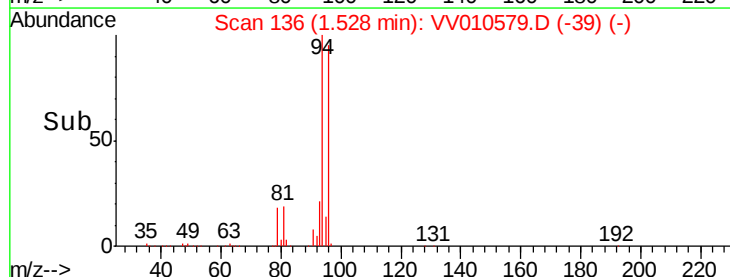
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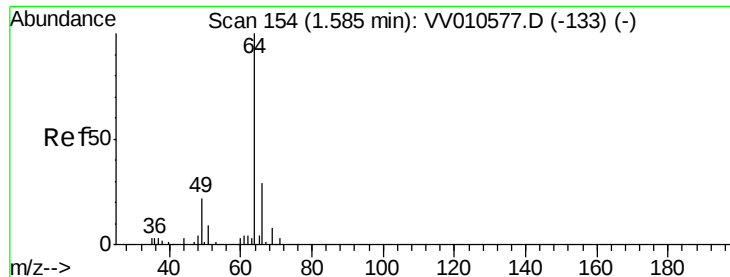
100000

50000

0

Time-->

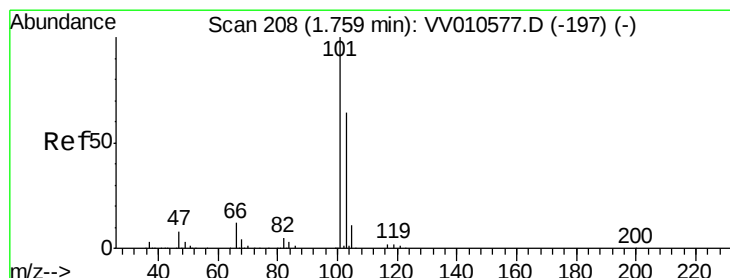
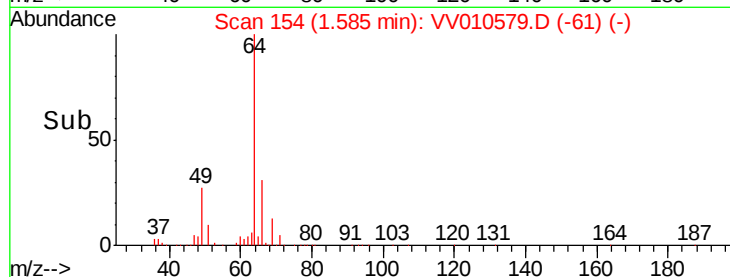
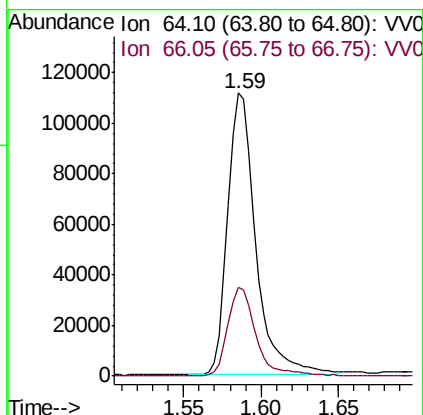
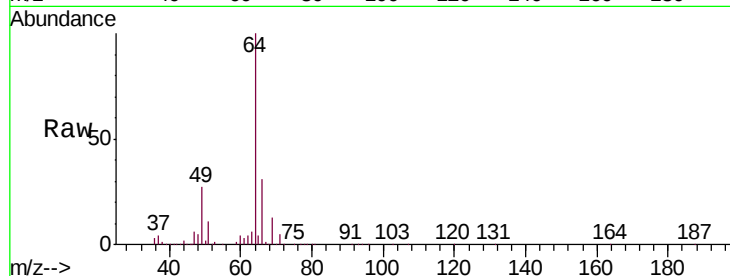




#8
Chloroethane
Concen: 23.320 ug/L
RT: 1.59 min Scan# 154
Delta R.T. 0.00 min
Lab File: VV010579.D
Acq: 30 Apr 2019 17:16

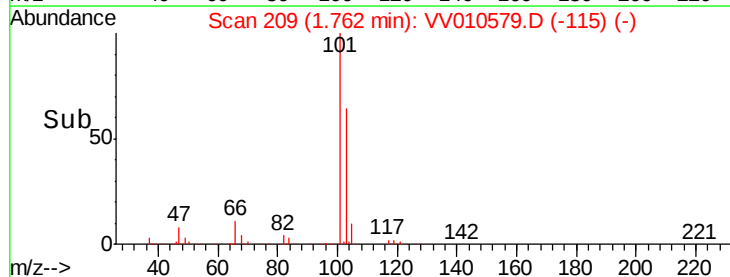
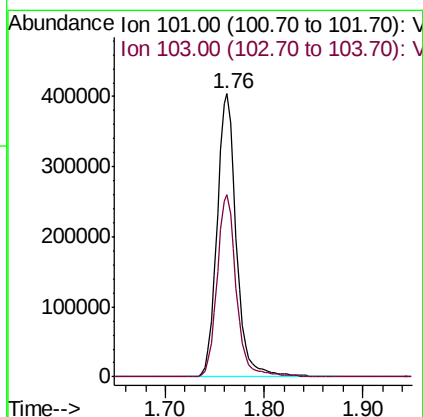
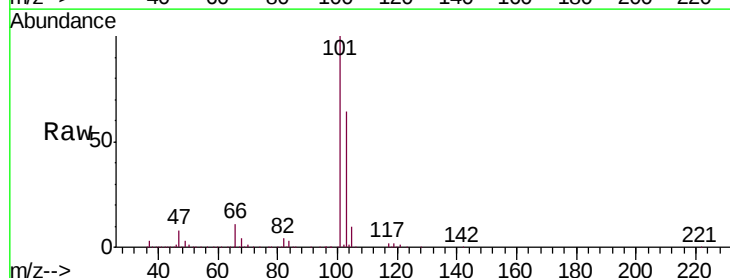
Instrument :
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ClientSampleId :
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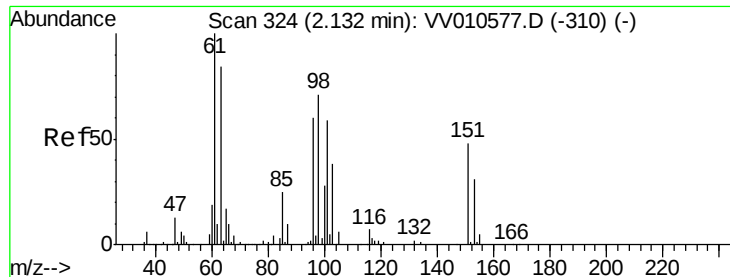
Tgt Ion: 64 Resp: 140104
Ion Ratio Lower Upper
64 100
66 31.3 20.3 37.7



#9
Trichlorofluoromethane
Concen: 22.309 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV010579.D
Acq: 30 Apr 2019 17:16

Tgt Ion: 101 Resp: 554322
Ion Ratio Lower Upper
101 100
103 64.3 52.2 78.4





#10

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

Concen: 22.538 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD02039

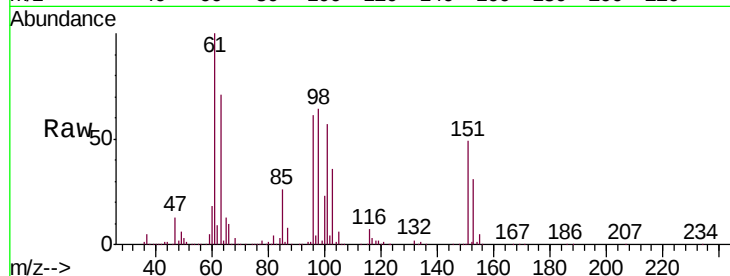
Tgt Ion: 101 Resp: 279469

Ion Ratio Lower Upper

101 100

85 44.3 35.6 53.4

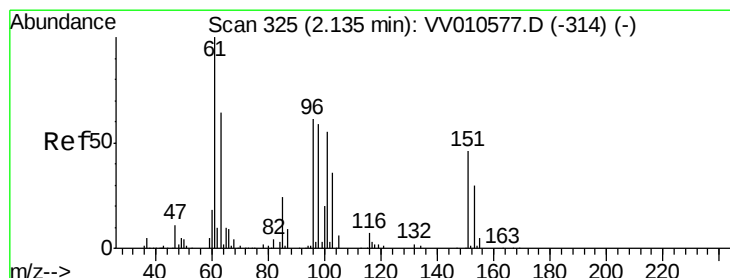
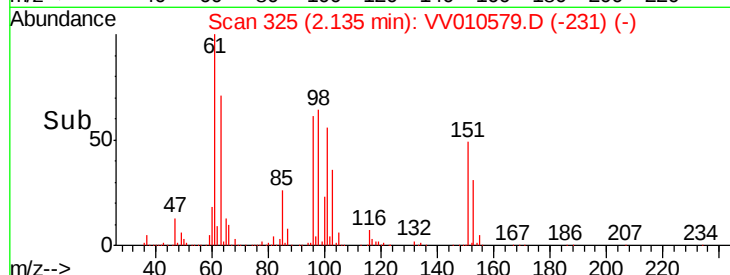
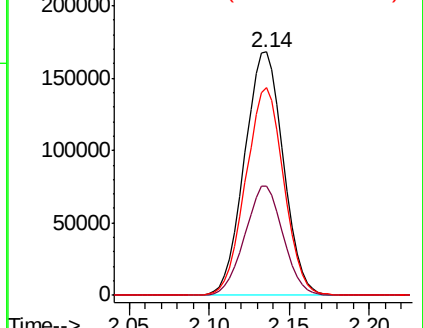
151 83.9 67.9 101.9



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: 22.765 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

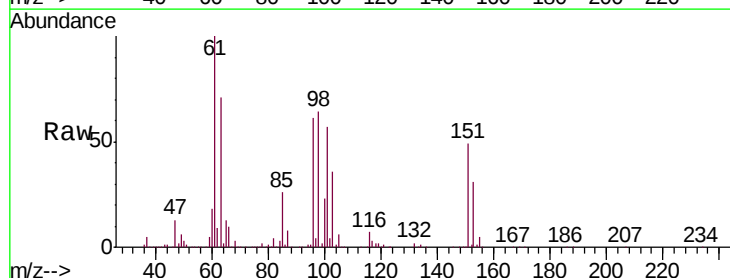
Tgt Ion: 96 Resp: 252024

Ion Ratio Lower Upper

96 100

61 164.8 115.6 214.8

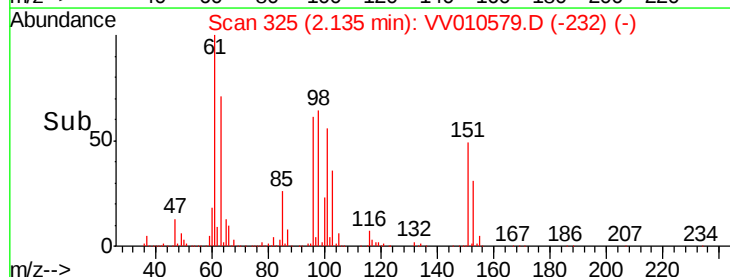
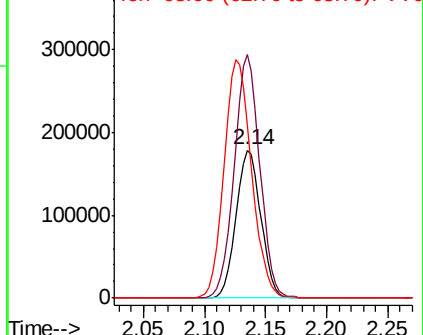
63 117.2 76.6 142.3

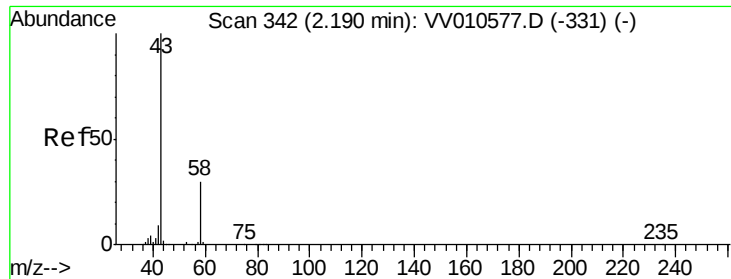


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 215.582 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

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Instrument :

MSVOA_V

ClientSampleId :

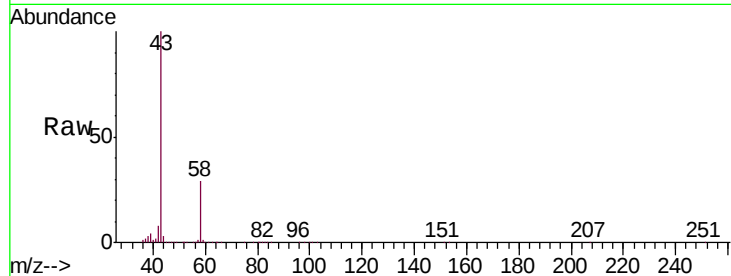
VSTD02039

Tgt Ion: 43 Resp: 308678

Ion Ratio Lower Upper

43 100

58 29.7 0.0 59.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.20

200000

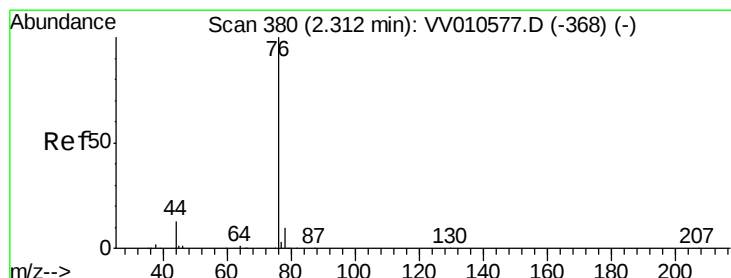
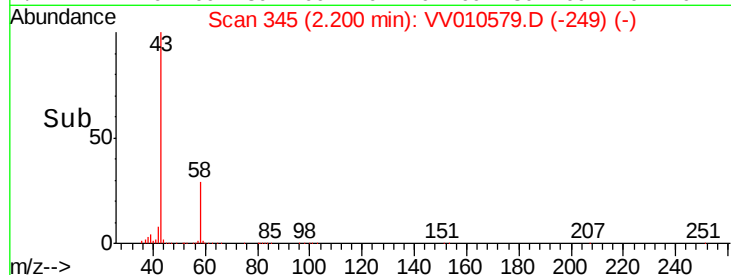
150000

100000

50000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 24.430 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV010579.D

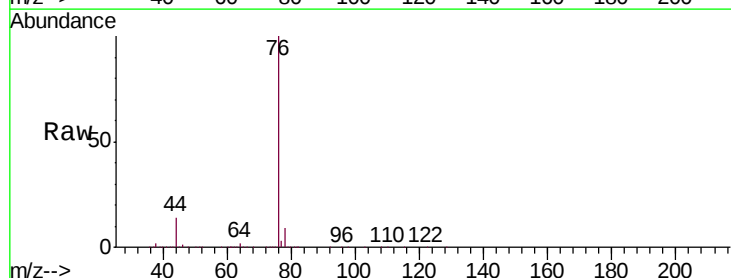
Acq: 30 Apr 2019 17:16

Tgt Ion: 76 Resp: 699689

Ion Ratio Lower Upper

76 100

78 9.0 8.2 12.4



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

500000

400000

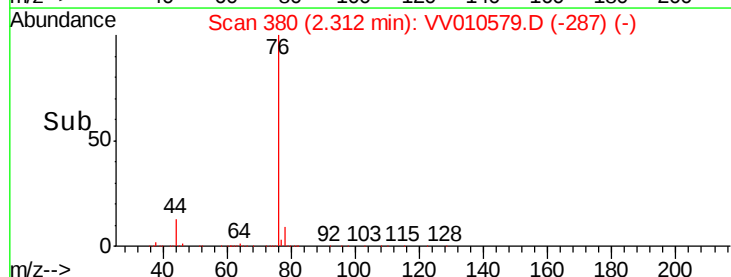
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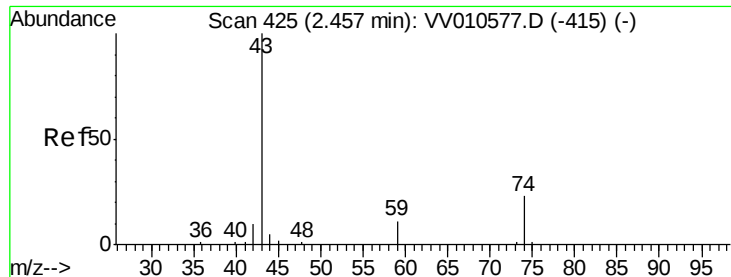
200000

100000

0

Time--> 2.20 2.30 2.40

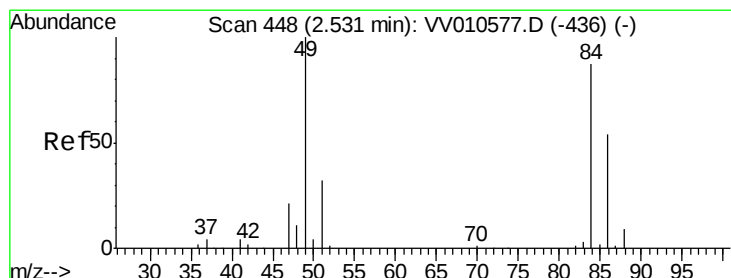
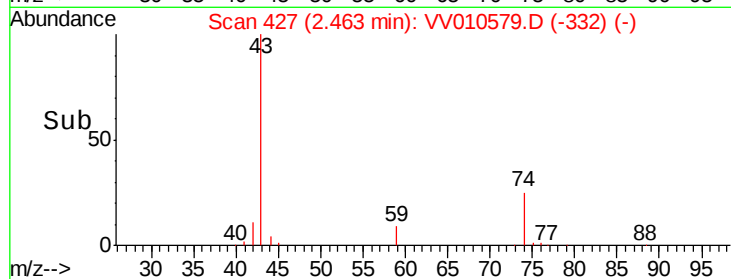
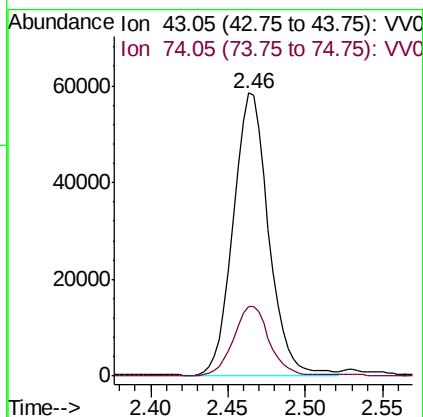
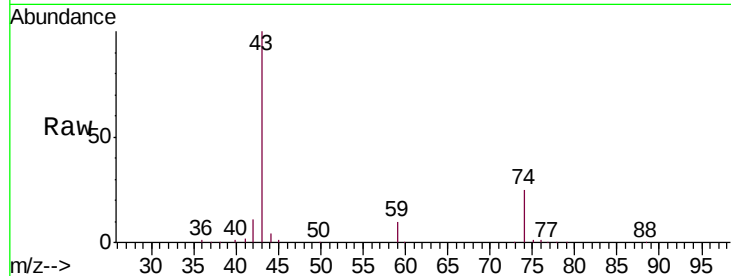




#15
Methyl Acetate
Concen: 19.411 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VV010579.D
Acq: 30 Apr 2019 17:16

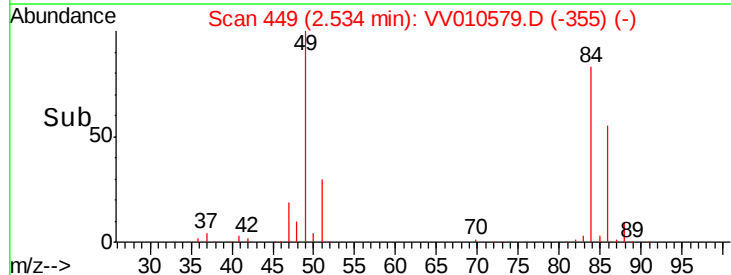
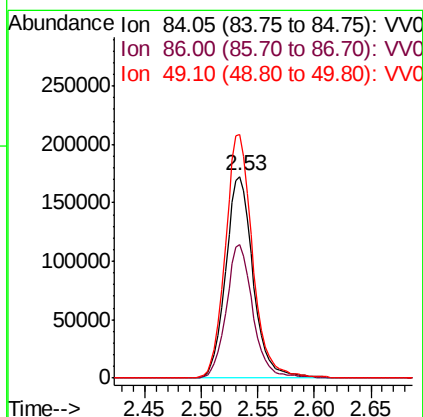
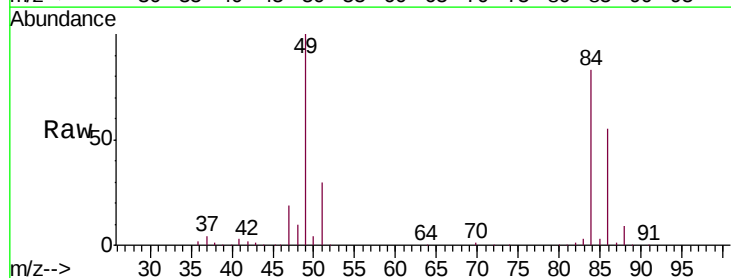
Instrument :
MSVOA_V
ClientSampleId :
VSTD02039

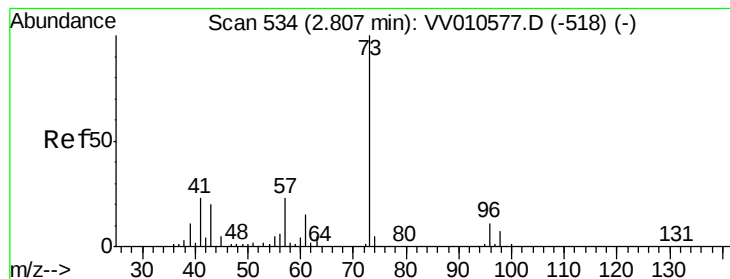
Tgt Ion: 43 Resp: 92567
Ion Ratio Lower Upper
43 100
74 25.2 19.8 29.8



#16
Methylene chloride
Concen: 18.303 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010579.D
Acq: 30 Apr 2019 17:16

Tgt Ion: 84 Resp: 291575
Ion Ratio Lower Upper
84 100
86 66.1 43.3 80.3
49 120.5 80.9 150.3





#17

Methyl tert-butyl Ether

Concen: 21.045 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD02039

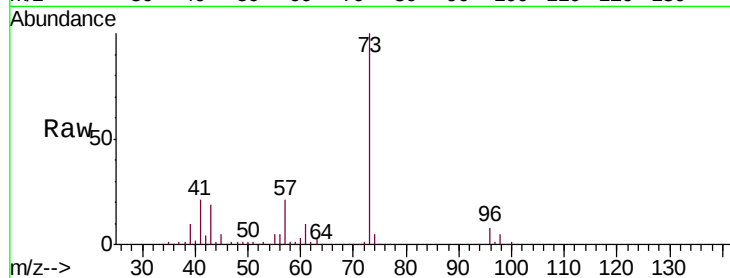
Tgt Ion: 73 Resp: 636629

Ion Ratio Lower Upper

73 100

43 19.4 16.5 24.7

57 21.2 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VV010577.D (-518) (-)

Ion 43.05 (42.75 to 43.75): VV010577.D (-518) (-)

Ion 57.10 (56.80 to 57.80): VV010577.D (-518) (-)

2.81

300000

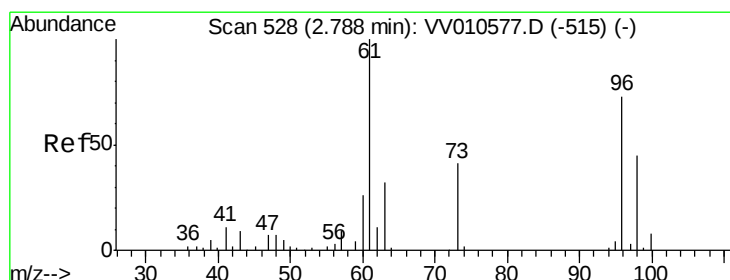
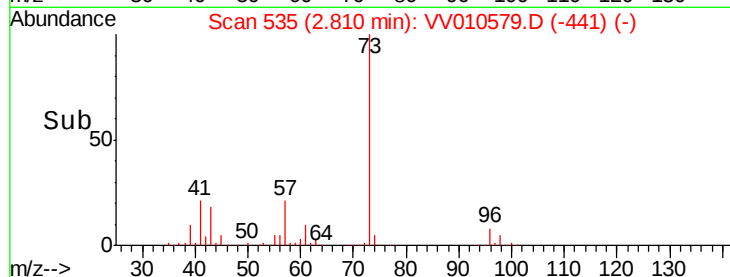
200000

100000

0

2.70 2.80 2.90

Time-->



#18

trans-1,2-Dichloroethene

Concen: 20.025 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

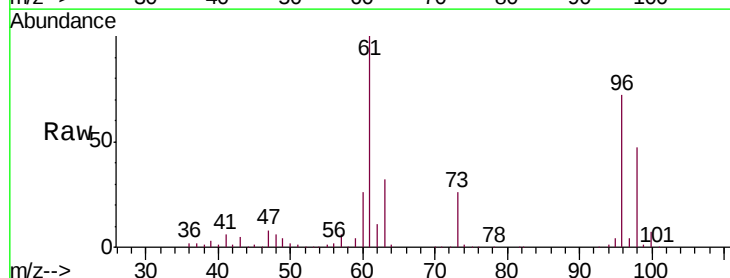
Tgt Ion: 96 Resp: 298035

Ion Ratio Lower Upper

96 100

61 138.9 96.1 178.5

98 65.8 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VV010577.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV010577.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV010577.D (-515) (-)

2.79

300000

250000

200000

150000

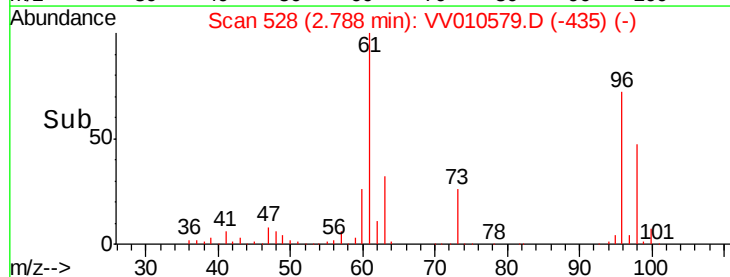
100000

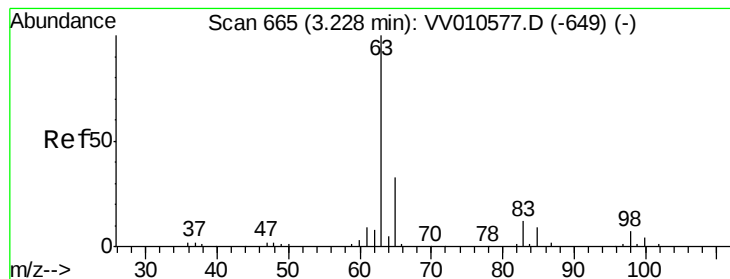
50000

0

2.70 2.75 2.80 2.85 2.90

Time-->





#19

1,1-Dichloroethane

Concen: 21.529 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD02039

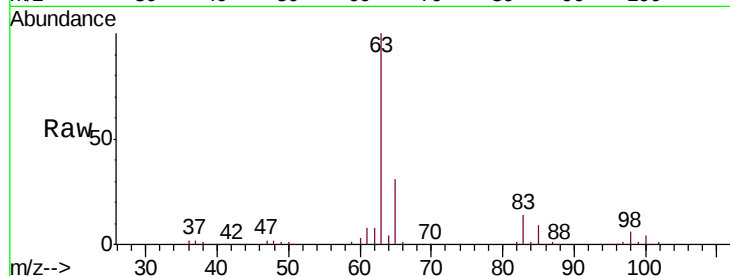
Tgt Ion: 63 Resp: 541779

Ion Ratio Lower Upper

63 100

65 30.8 22.9 42.5

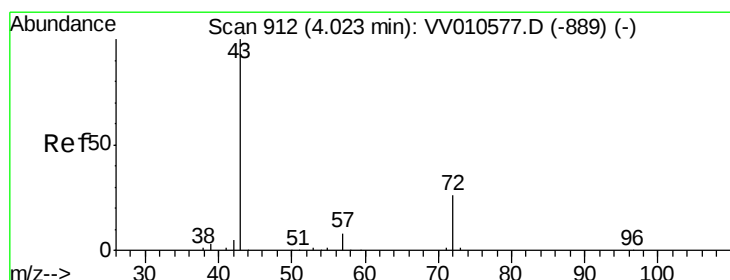
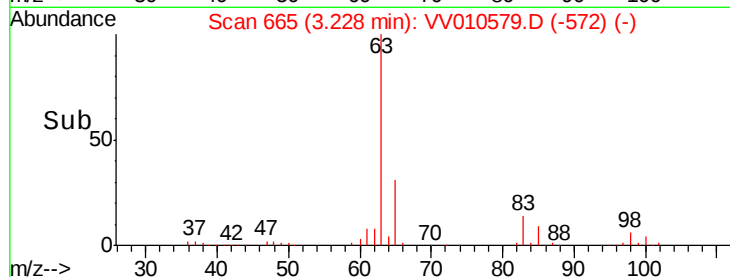
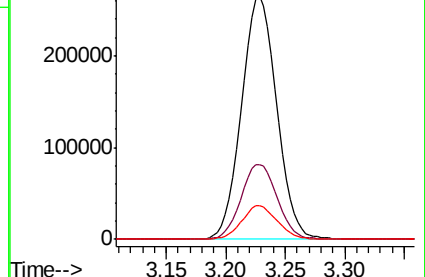
83 14.0 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VV010577.D (-649) (-)

Ion 65.10 (64.80 to 65.80): VV010577.D (-649) (-)

Ion 83.05 (82.75 to 83.75): VV010577.D (-649) (-)



#21

2-Butanone

Concen: 230.324 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.00 min

Lab File: VV010579.D

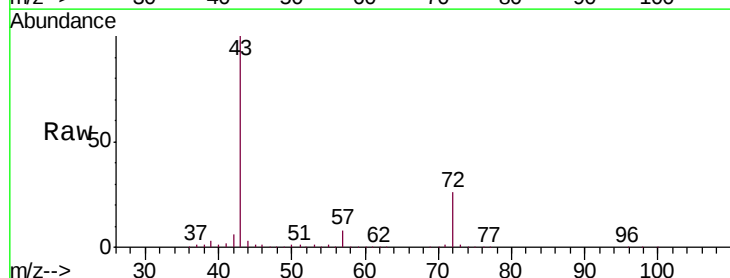
Acq: 30 Apr 2019 17:16

Tgt Ion: 43 Resp: 665181

Ion Ratio Lower Upper

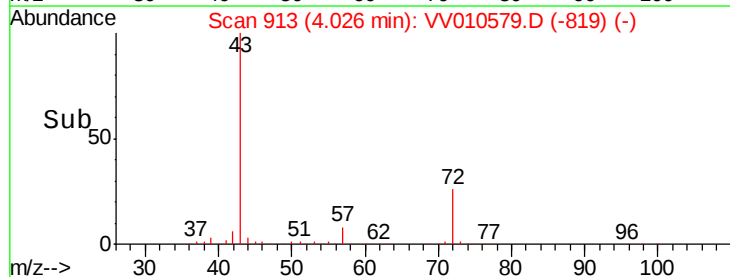
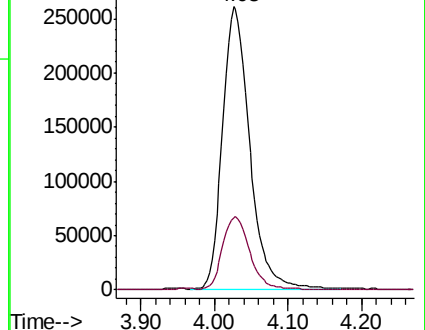
43 100

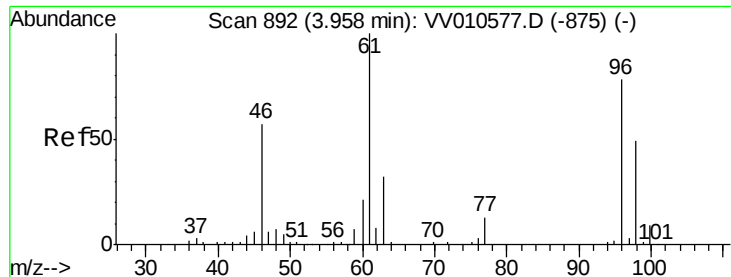
72 26.1 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VV010577.D (-889) (-)

Ion 72.10 (71.80 to 72.80): VV010577.D (-889) (-)



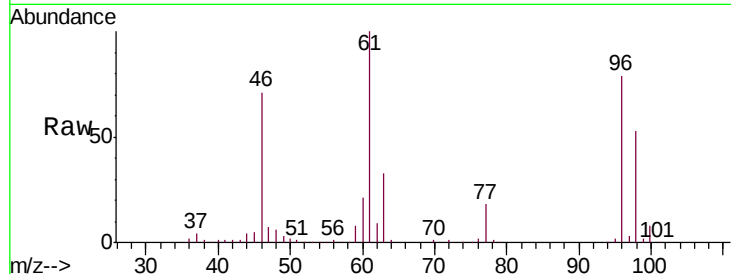


#22

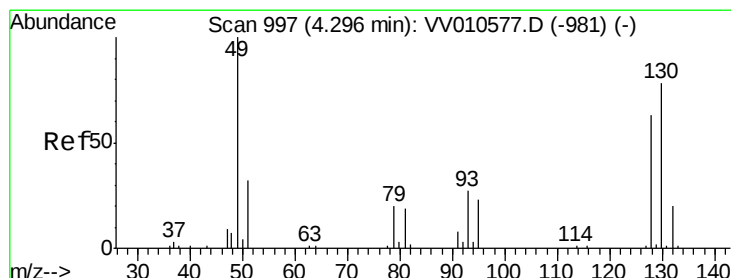
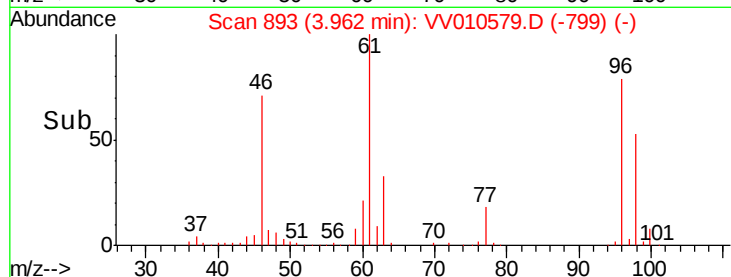
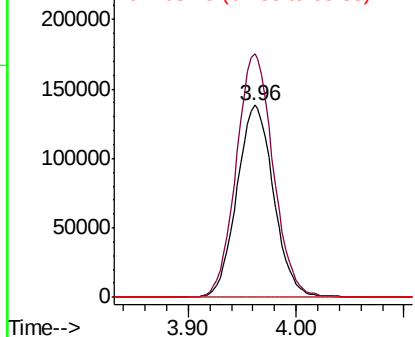
cis-1,2-Dichloroethene
 Concen: 20.211 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV010579.D
 Acq: 30 Apr 2019 17:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02039

Tgt Ion: 96 Resp: 327337
 Ion Ratio Lower Upper
 96 100
 61 126.7 90.0 167.2
 68 0.0 0.0 0.0



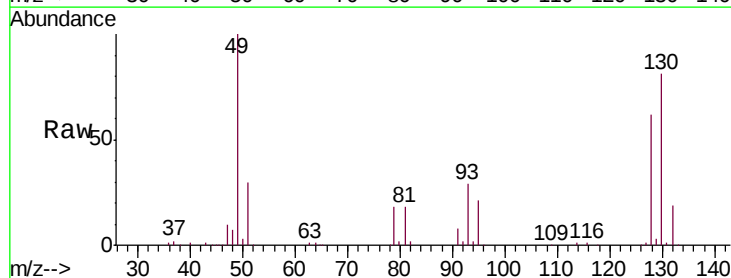
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



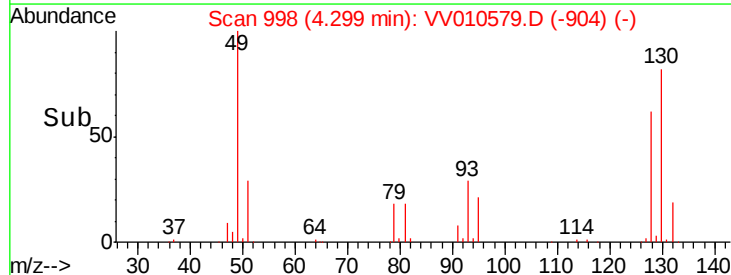
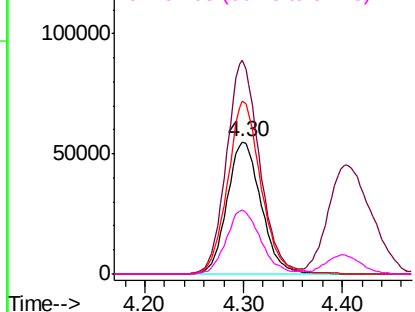
#23

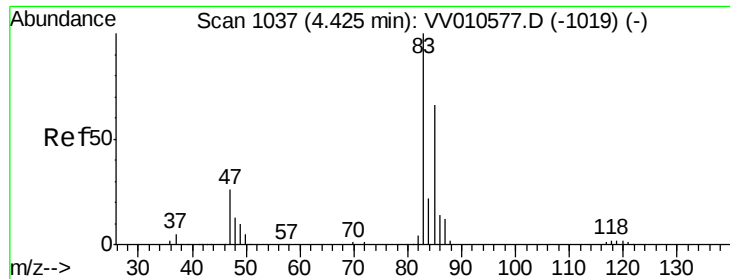
Bromochloromethane
 Concen: 17.856 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV010579.D
 Acq: 30 Apr 2019 17:16

Tgt Ion: 128 Resp: 131757
 Ion Ratio Lower Upper
 128 100
 49 161.7 111.0 206.2
 130 131.0 87.1 161.7
 51 48.0 40.7 61.1



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

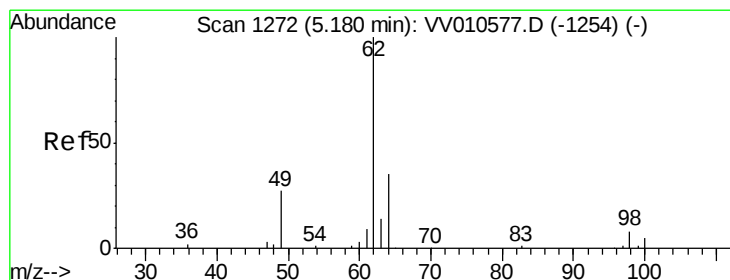
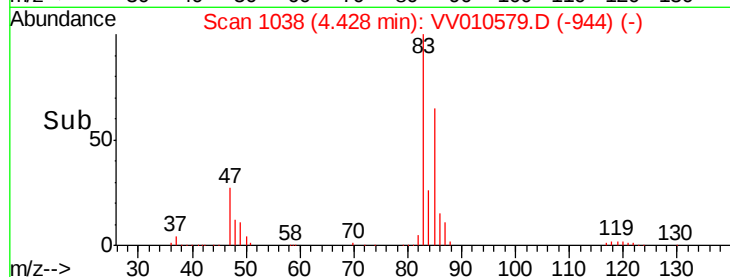
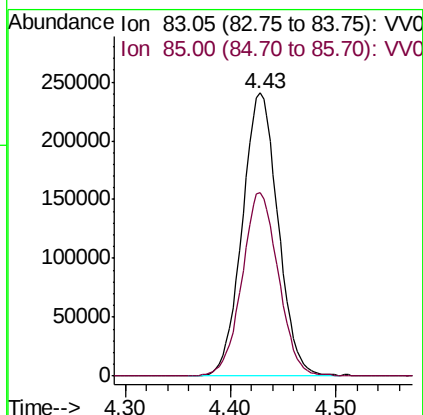
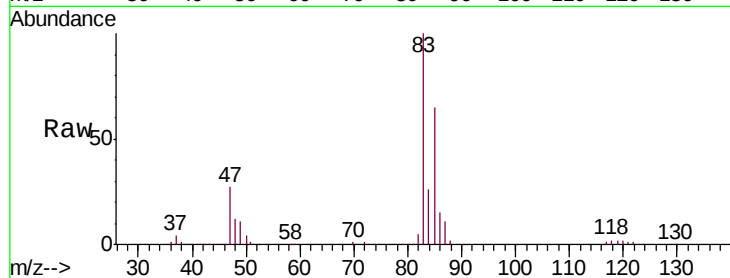




#25
Chloroform
Concen: 20.220 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010579.D
Acq: 30 Apr 2019 17:16

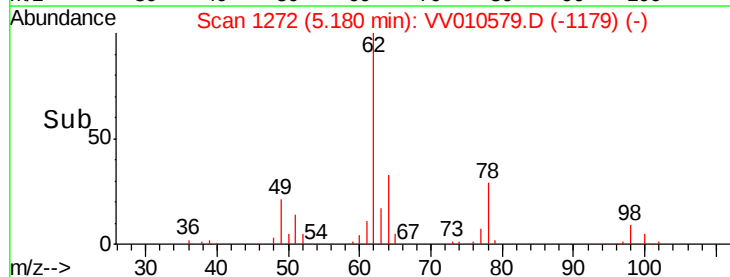
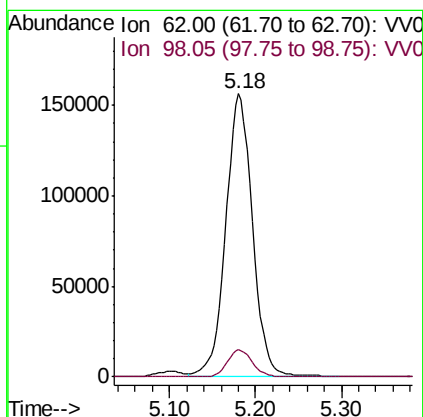
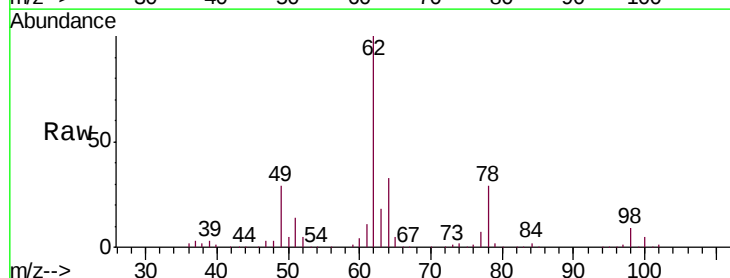
Instrument :
MSVOA_V
ClientSampleId :
VSTD02039

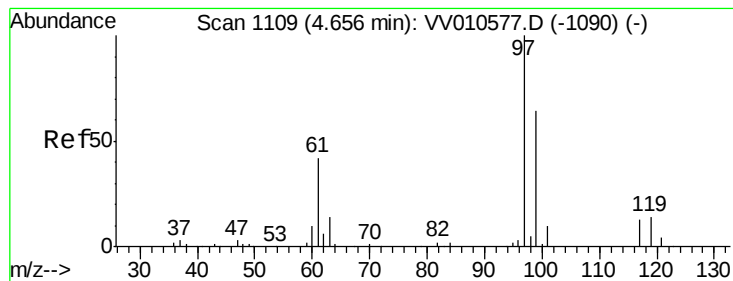
Tgt Ion: 83 Resp: 568090
Ion Ratio Lower Upper
83 100
85 64.7 45.8 85.2



#27
1,2-Dichloroethane
Concen: 20.877 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV010579.D
Acq: 30 Apr 2019 17:16

Tgt Ion: 62 Resp: 336526
Ion Ratio Lower Upper
62 100
98 9.5 6.5 9.7





#29

1,1,1-Trichloroethane

Concen: 19.567 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD02039

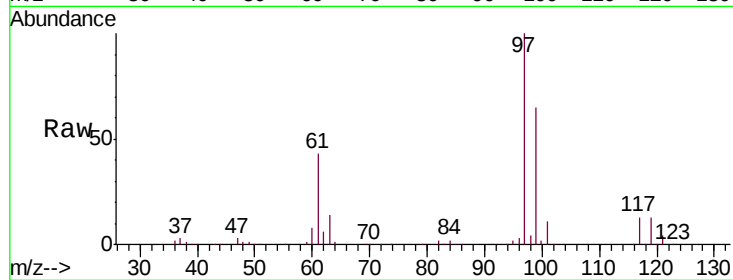
Tgt Ion: 97 Resp: 510646

Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.6

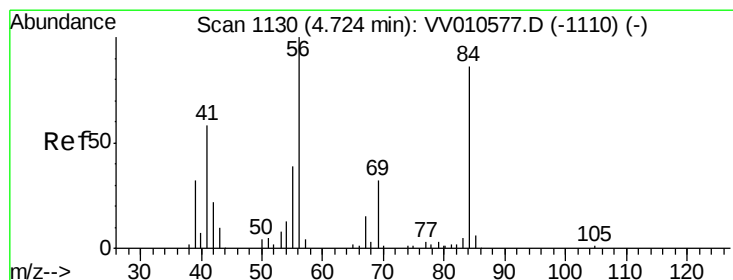
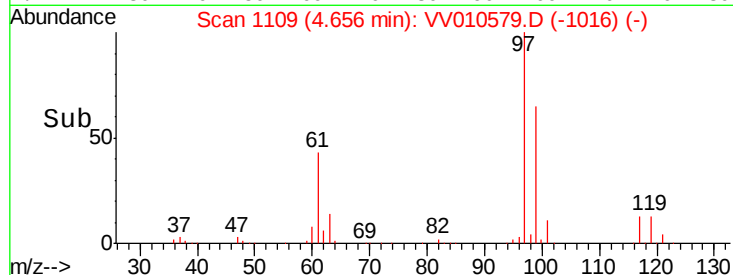
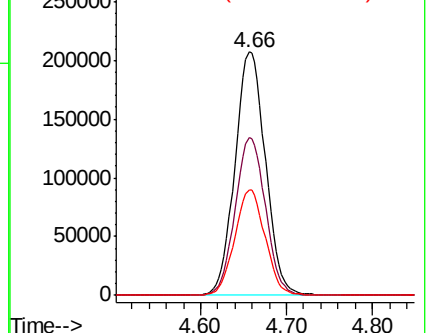
61 43.5 34.7 52.1



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 25.495 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

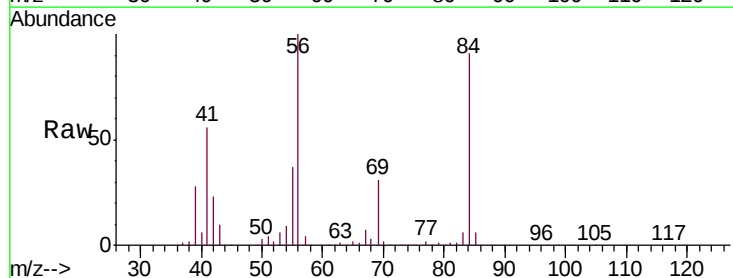
Tgt Ion: 56 Resp: 504780

Ion Ratio Lower Upper

56 100

69 30.8 24.5 36.7

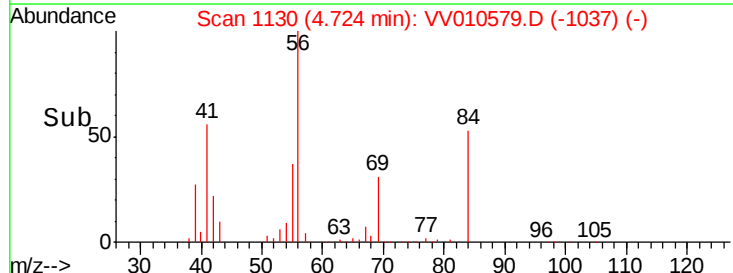
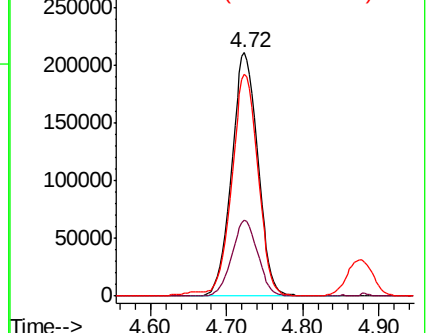
84 92.5 70.2 105.4

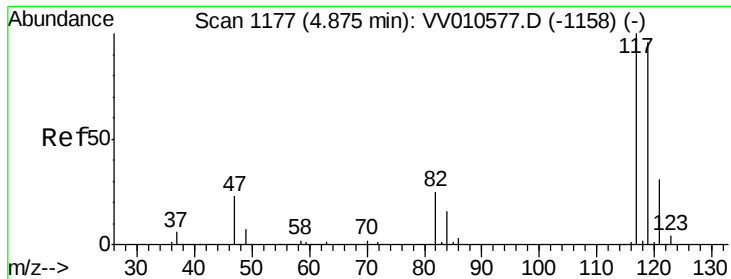


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 19.205 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

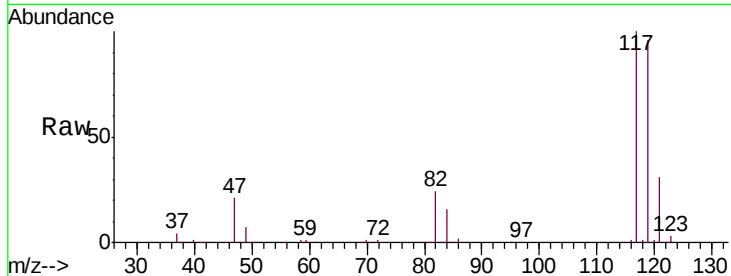
VSTD02039

Tgt Ion:117 Resp: 474461

Ion Ratio Lower Upper

117 100

119 96.7 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

200000

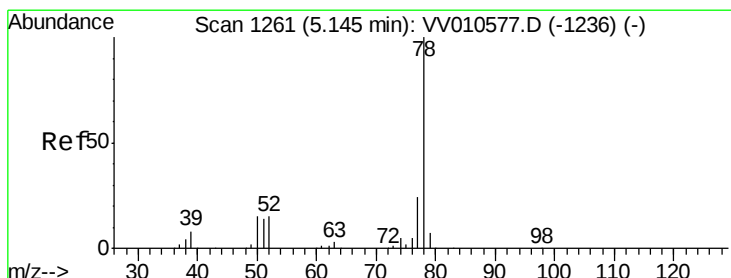
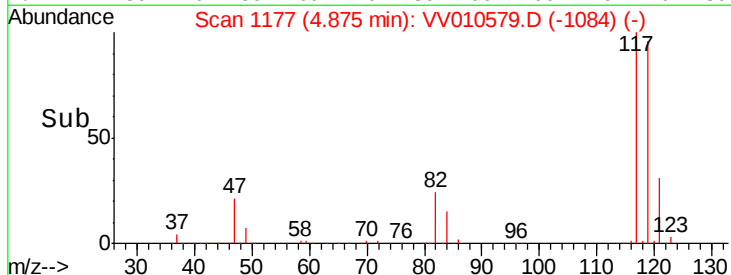
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 21.136 ug/L

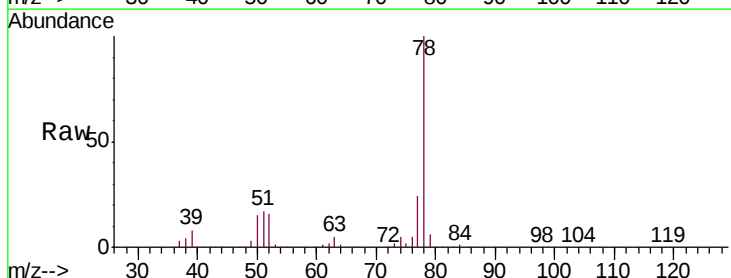
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

Tgt Ion: 78 Resp: 1236867



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

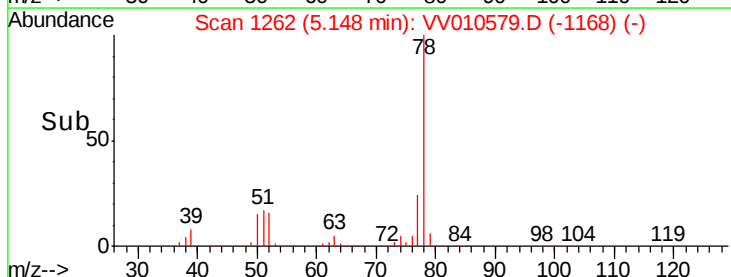
600000

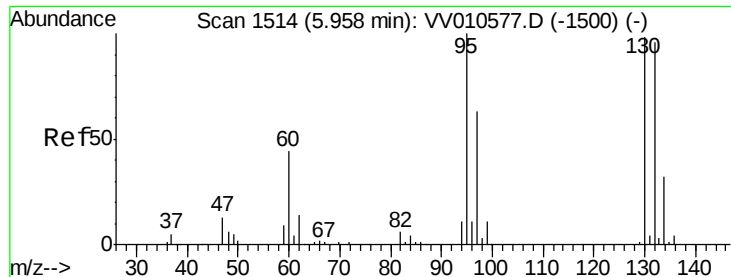
400000

200000

0

Time-->

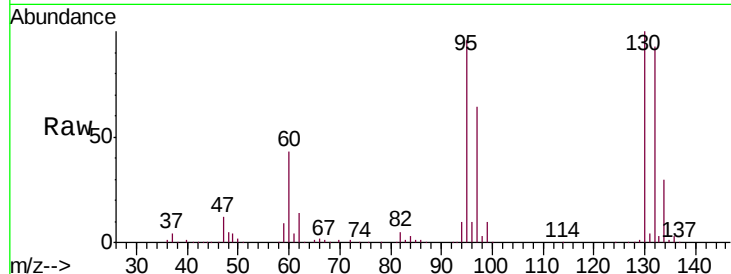




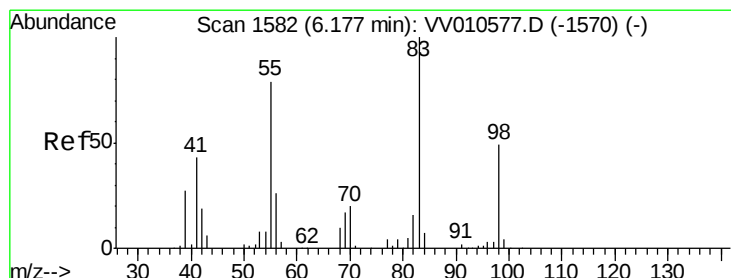
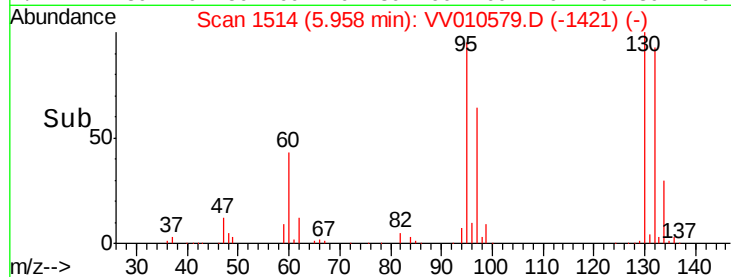
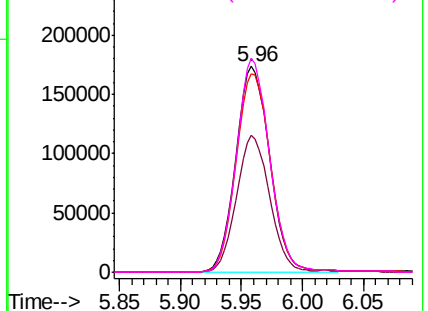
#34
 Trichloroethene
 Concen: 19.856 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV010579.D
 Acq: 30 Apr 2019 17:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02039

Tgt Ion: 95 Resp: 336165
 Ion Ratio Lower Upper
 95 100
 97 66.3 44.3 82.3
 132 96.7 67.1 124.7
 130 103.9 68.7 127.5

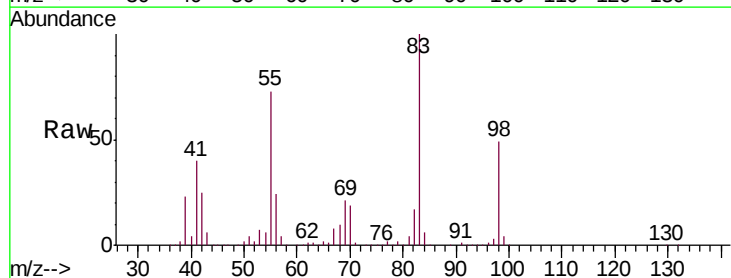


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

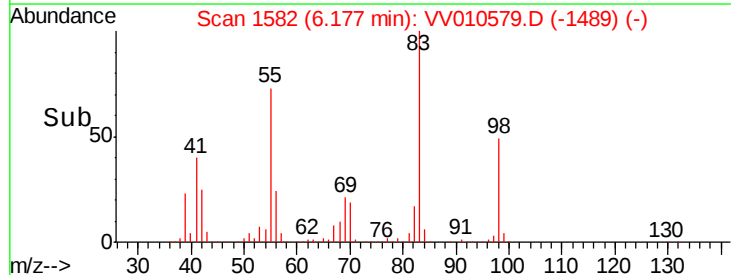
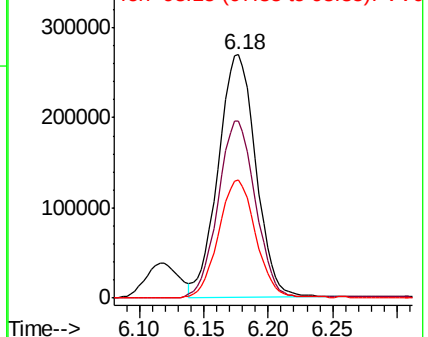


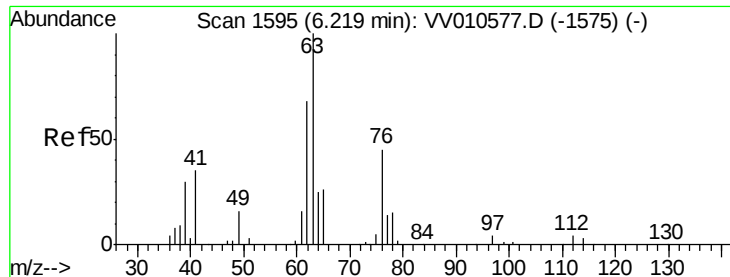
#35
 Methylcyclohexane
 Concen: 24.217 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV010579.D
 Acq: 30 Apr 2019 17:16

Tgt Ion: 83 Resp: 542748
 Ion Ratio Lower Upper
 83 100
 55 72.8 62.6 94.0
 98 47.3 38.8 58.2



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

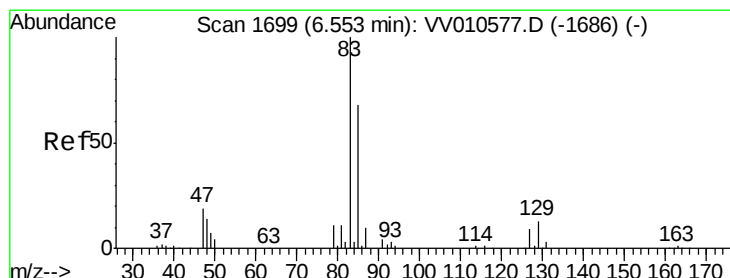
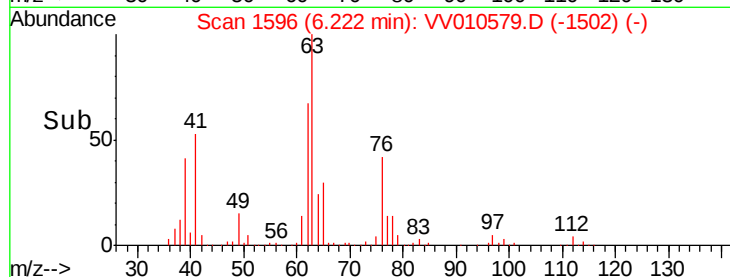
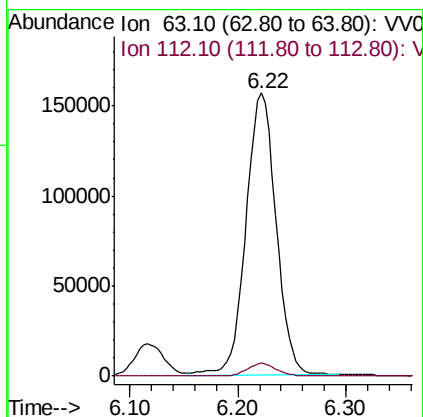
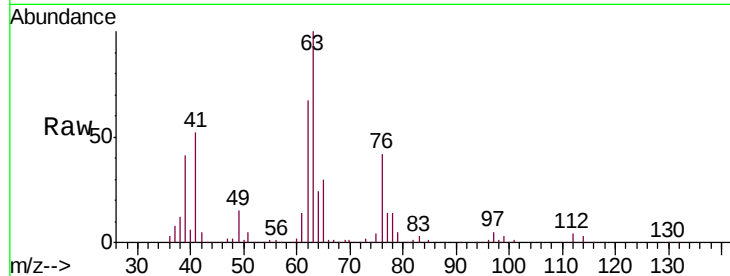




#37
 1,2-Dichloropropane
 Concen: 22.470 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV010579.D
 Acq: 30 Apr 2019 17:16

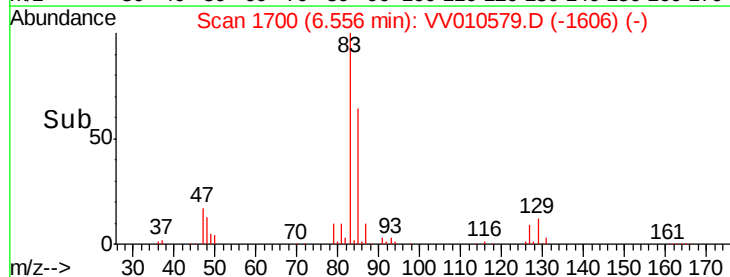
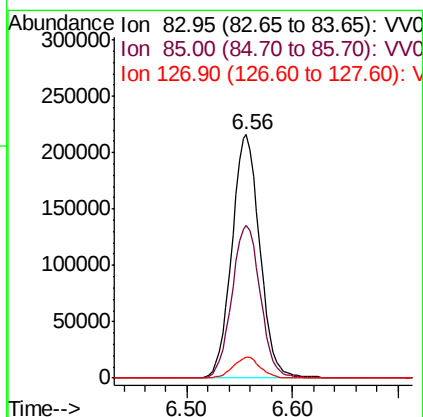
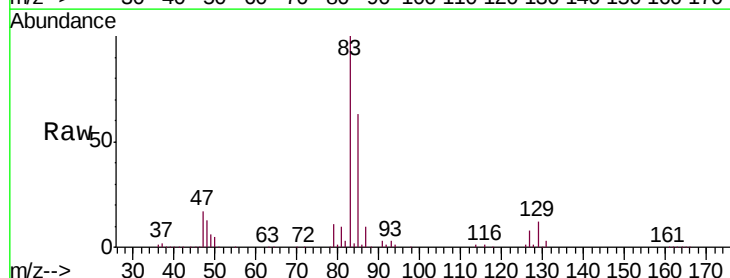
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02039

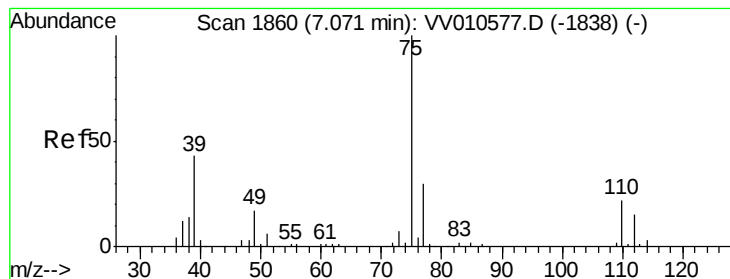
Tgt Ion: 63 Resp: 303748
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#38
 Bromodichloromethane
 Concen: 20.501 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV010579.D
 Acq: 30 Apr 2019 17:16

Tgt Ion: 83 Resp: 394377
 Ion Ratio Lower Upper
 83 100
 85 63.0 47.7 88.7
 127 8.5 6.9 10.3



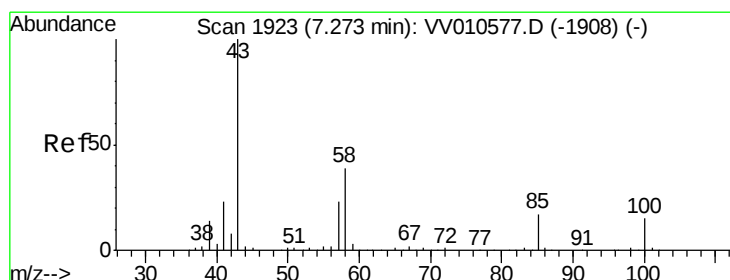
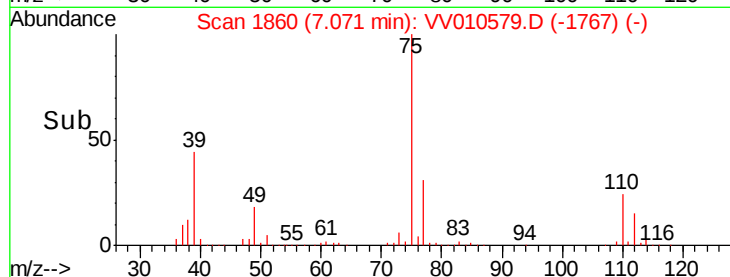
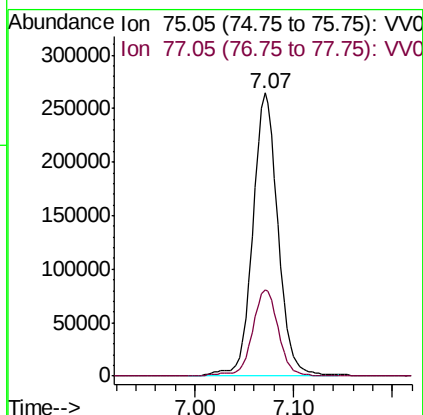
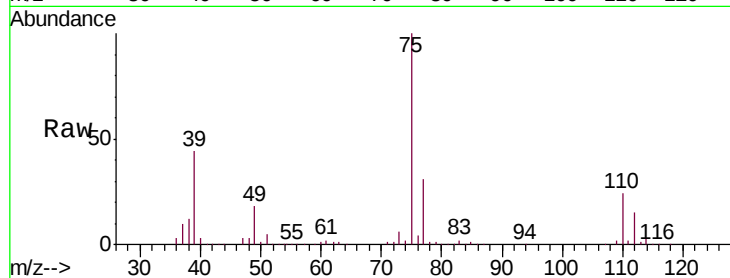


#39

cis-1,3-Dichloropropene
 Concen: 23.813 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010579.D
 Acq: 30 Apr 2019 17:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02039

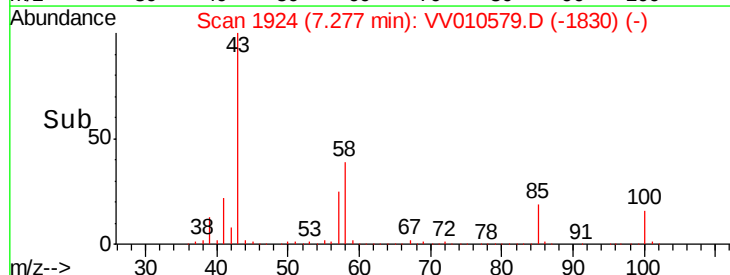
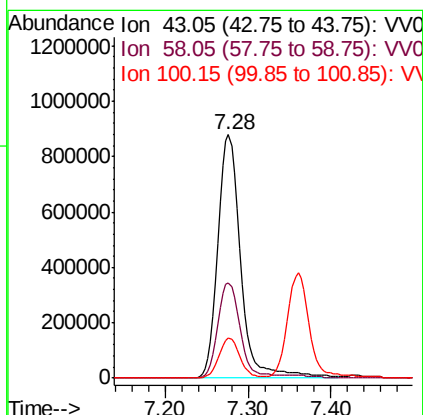
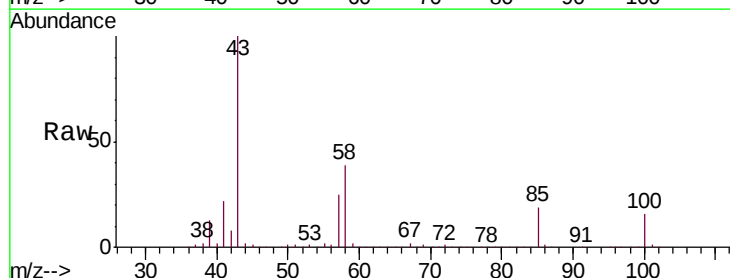
Tgt Ion: 75 Resp: 465455
 Ion Ratio Lower Upper
 75 100
 77 30.6 20.9 38.7

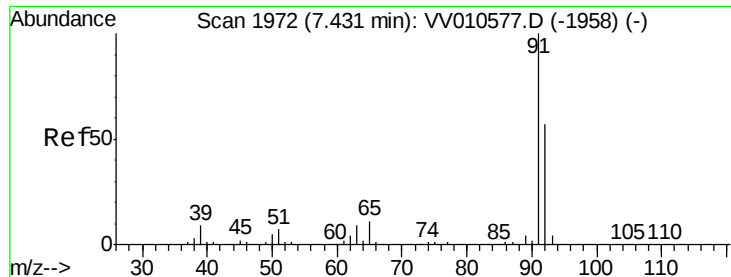


#40

4-Methyl-2-pentanone
 Concen: 230.912 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV010579.D
 Acq: 30 Apr 2019 17:16

Tgt Ion: 43 Resp: 1679787
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.2 45.4
 100 15.1 11.3 16.9





#42

Toluene

Concen: 22.412 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

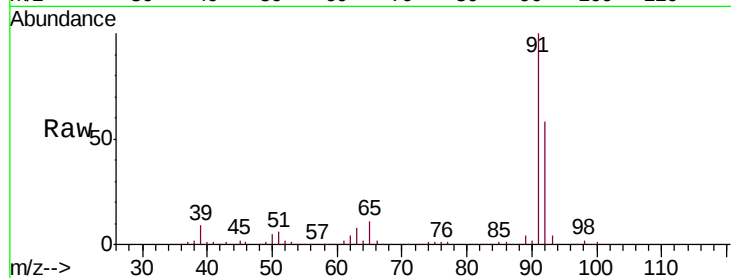
VSTD02039

Tgt Ion: 91 Resp: 1431719

Ion Ratio Lower Upper

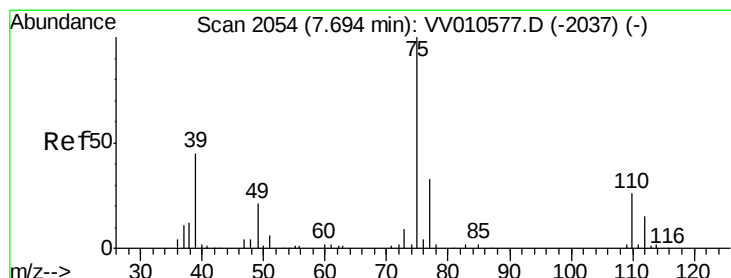
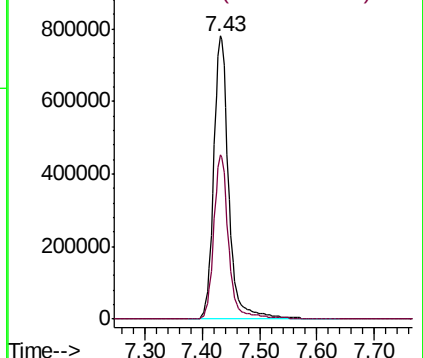
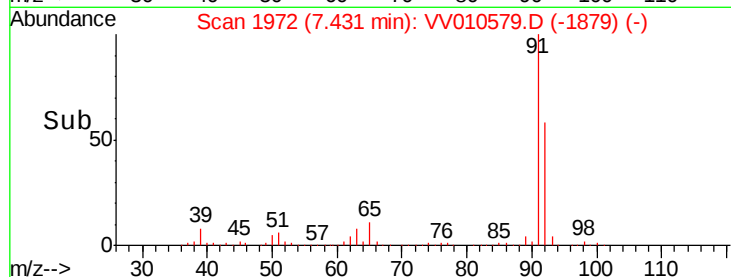
91 100

92 57.9 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV010579.D (-1879) (-)

Ion 92.15 (91.85 to 92.85): VV010579.D (-1879) (-)



#44

trans-1,3-Dichloropropene

Concen: 23.330 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010579.D

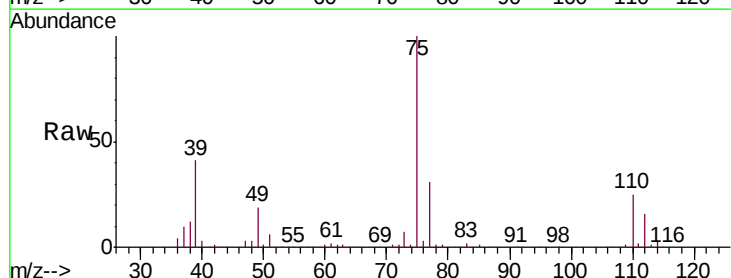
Acq: 30 Apr 2019 17:16

Tgt Ion: 75 Resp: 356949

Ion Ratio Lower Upper

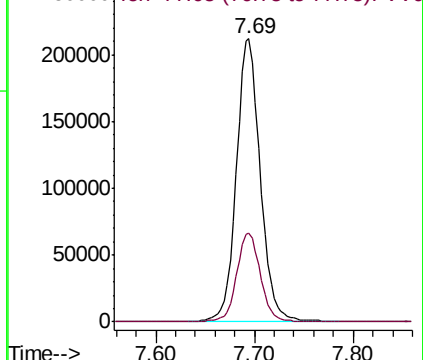
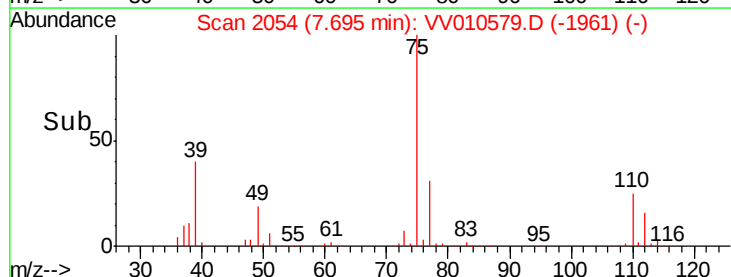
75 100

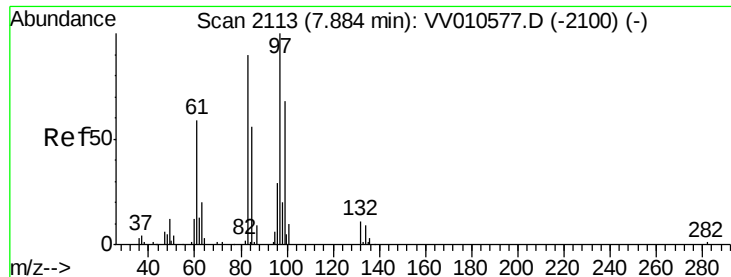
77 31.4 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV010579.D (-1961) (-)

Ion 77.05 (76.75 to 77.75): VV010579.D (-1961) (-)

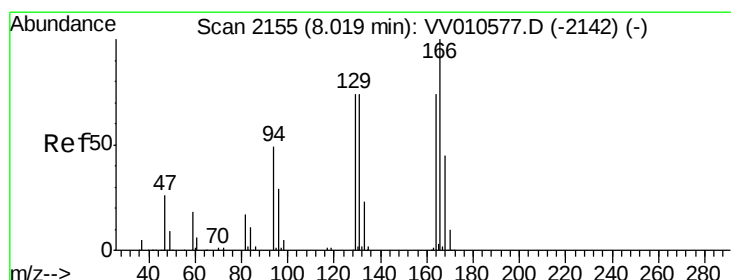
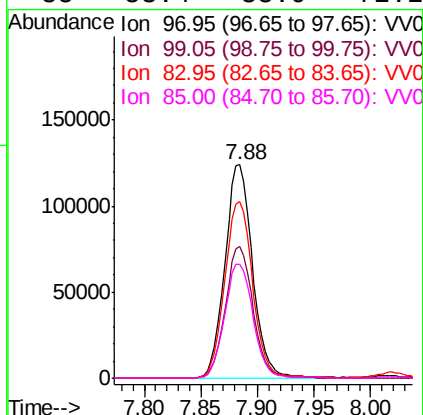
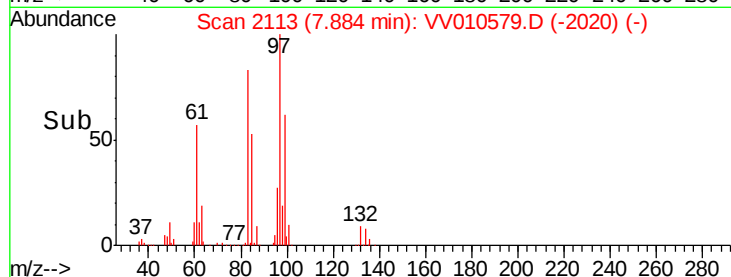
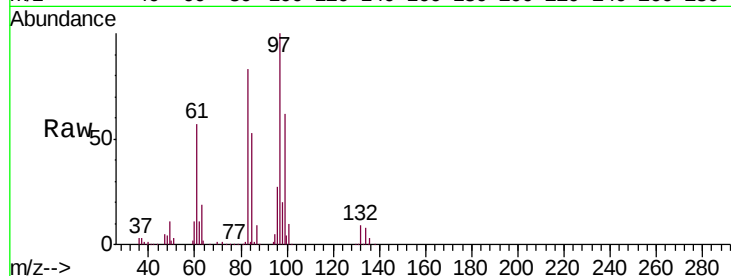




#45
 1,1,2-Trichloroethane
 Concen: 18.996 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV010579.D
 Acq: 30 Apr 2019 17:16

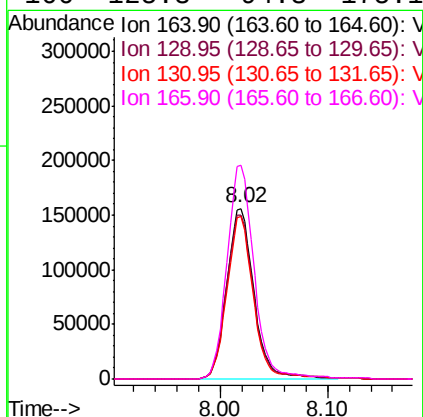
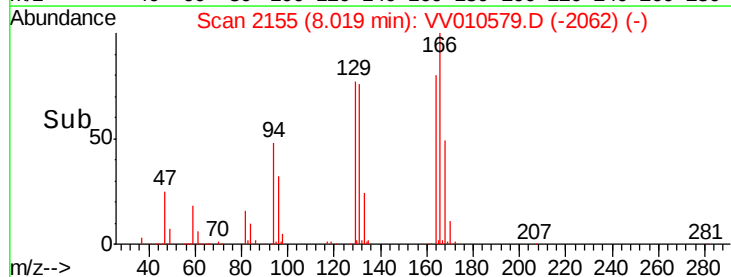
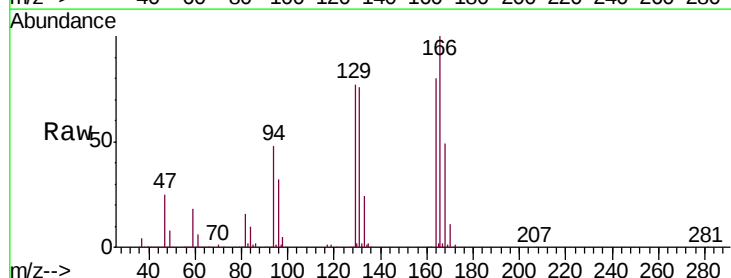
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02039

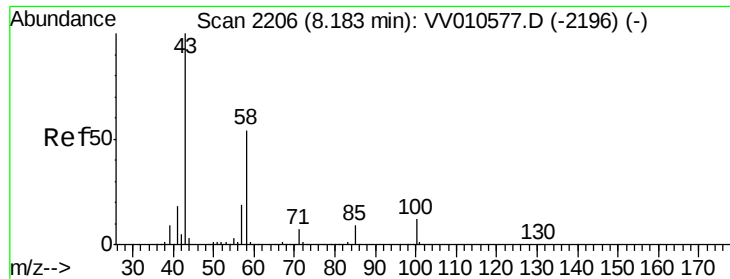
Tgt Ion:	97	Resp:	212334
Ion	Ratio	Lower	Upper
97	100		
99	61.7	47.9	89.1
83	82.9	62.9	116.9
85	53.4	38.9	72.2



#47
 Tetrachloroethene
 Concen: 17.942 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010579.D
 Acq: 30 Apr 2019 17:16

Tgt Ion:	164	Resp:	273592
Ion	Ratio	Lower	Upper
164	100		
129	96.1	69.8	129.6
131	95.1	70.2	130.4
166	125.3	94.3	175.1

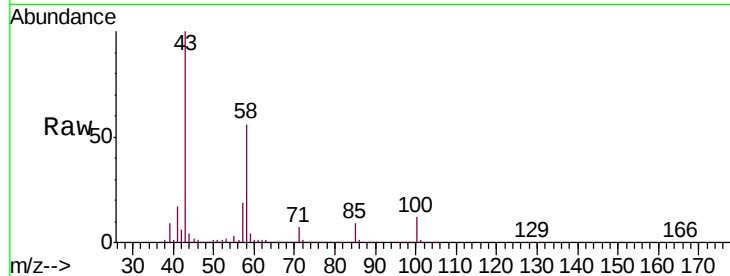




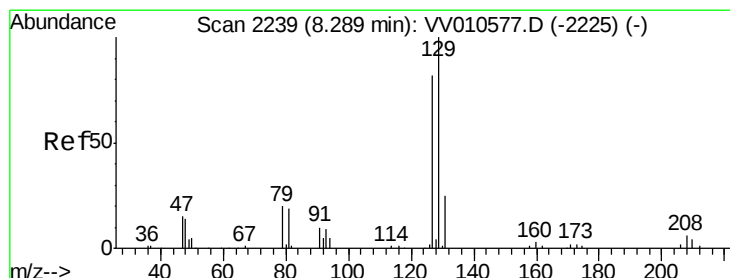
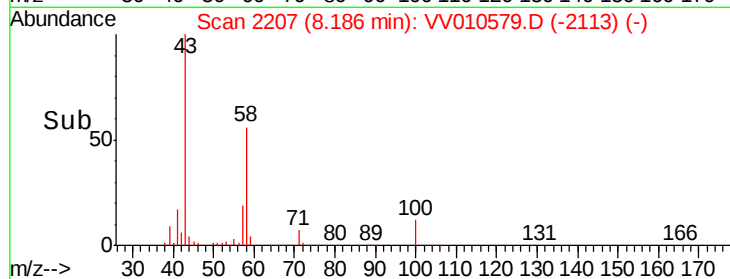
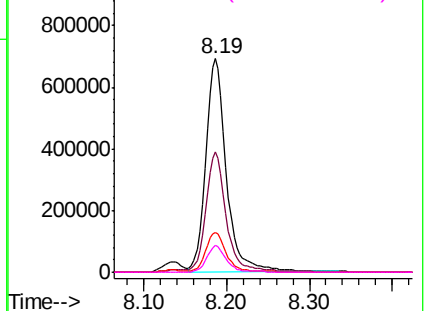
#48
2-Hexanone
Concen: 238.542 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV010579.D
Acq: 30 Apr 2019 17:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD02039

Tgt Ion: 43 Resp: 1213257
Ion Ratio Lower Upper
43 100
58 56.4 42.2 63.4
57 18.7 14.4 21.6
100 12.1 9.0 13.6

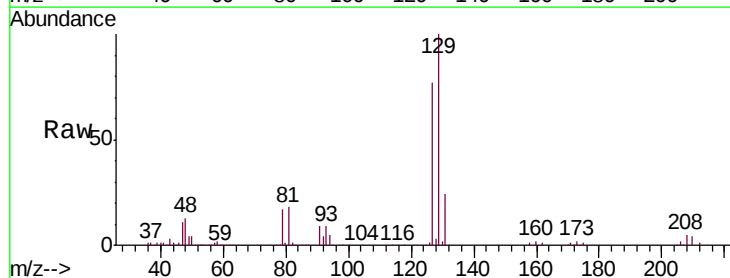


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

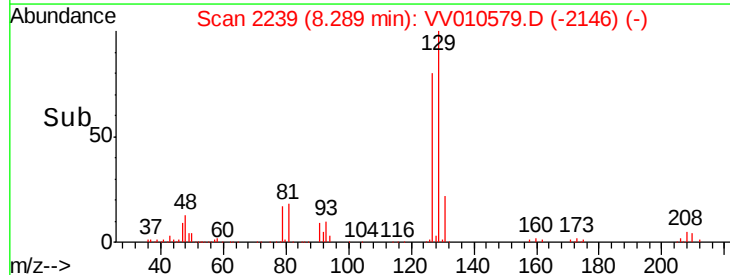
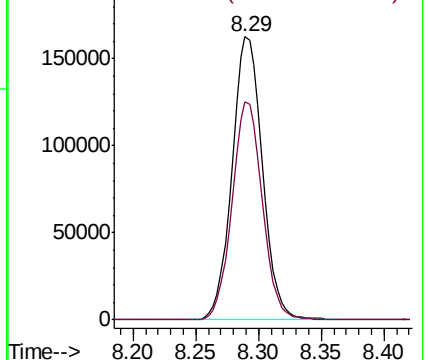


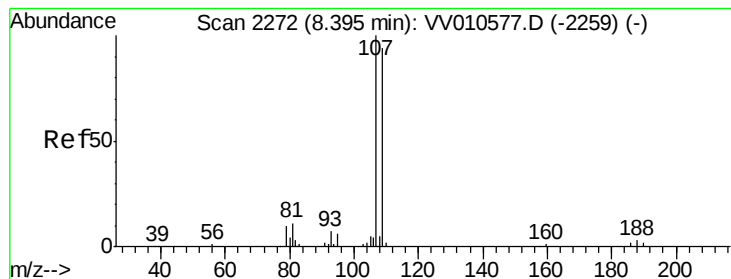
#49
Dibromochloromethane
Concen: 20.308 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010579.D
Acq: 30 Apr 2019 17:16

Tgt Ion: 129 Resp: 273133
Ion Ratio Lower Upper
129 100
127 76.9 57.5 106.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 19.641 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD02039

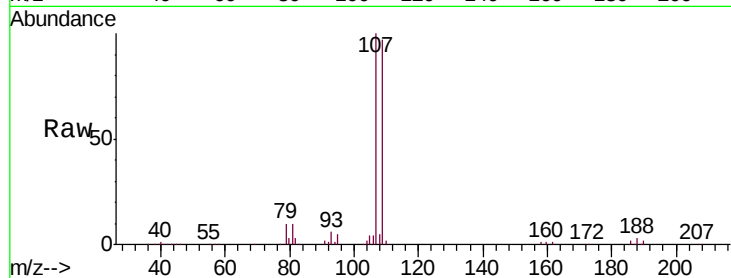
Tgt Ion:107 Resp: 201442

Ion Ratio Lower Upper

107 100

109 96.7 66.0 122.6

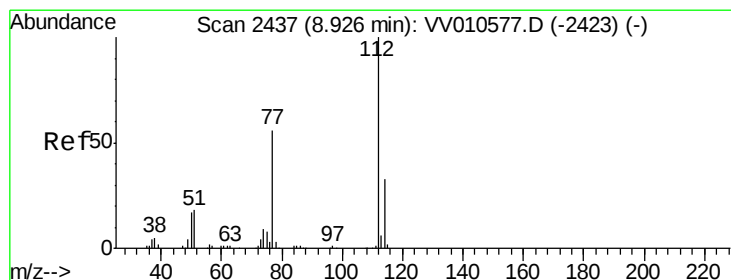
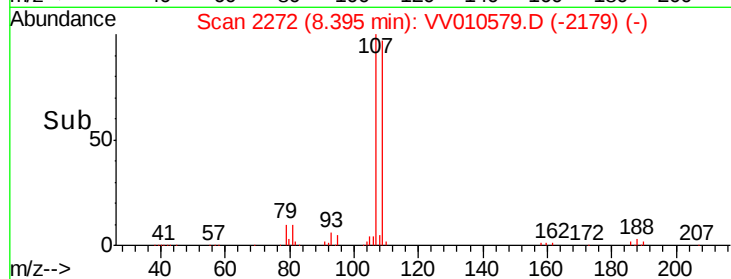
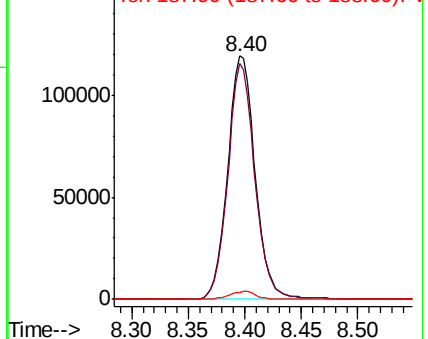
188 3.0 2.7 4.1



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: 20.423 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

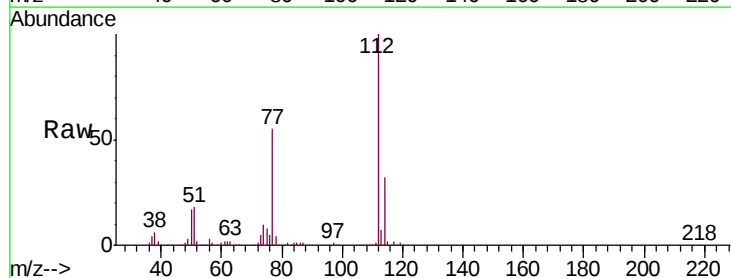
Tgt Ion:112 Resp: 914193

Ion Ratio Lower Upper

112 100

114 32.2 23.1 42.9

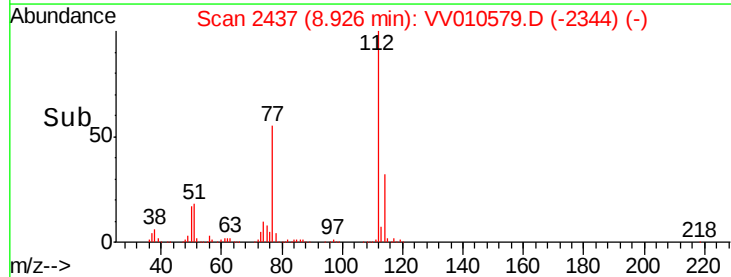
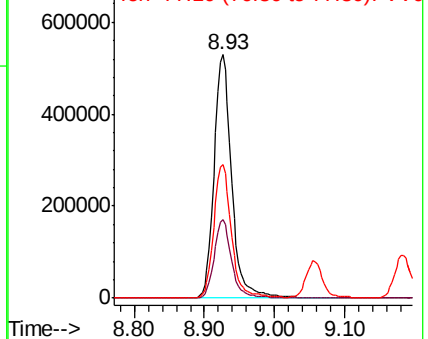
77 54.6 44.9 67.3

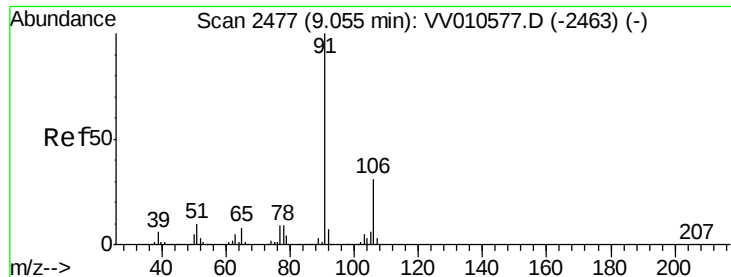


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 23.182 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

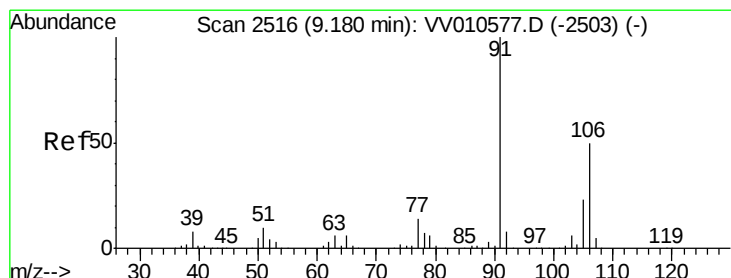
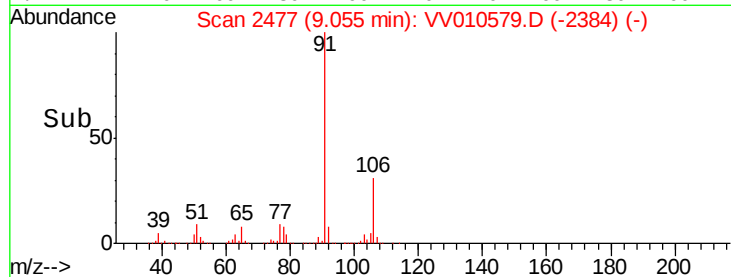
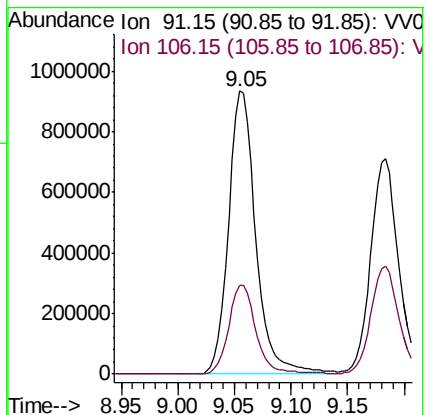
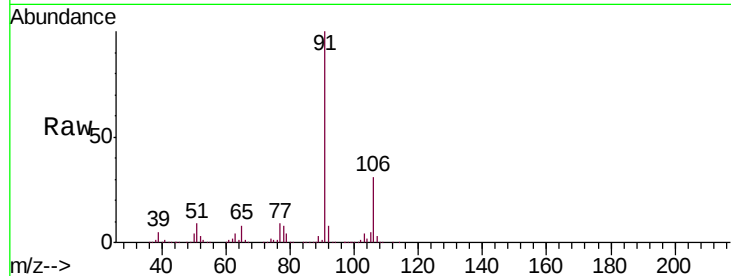
VSTD02039

Tgt Ion: 91 Resp: 1576227

Ion Ratio Lower Upper

91 100

106 31.4 21.8 40.4



#53

m,p-xylene

Concen: 23.737 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010579.D

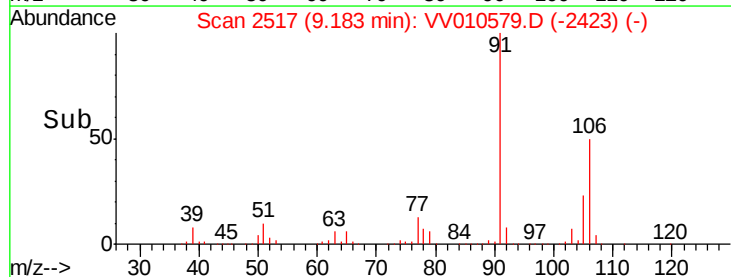
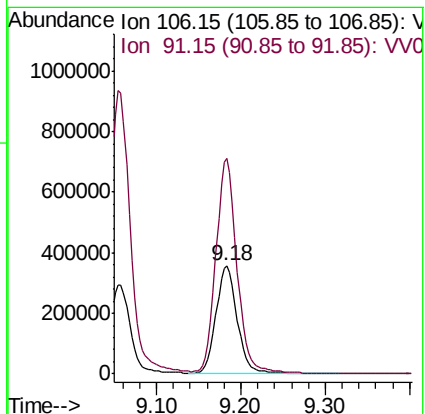
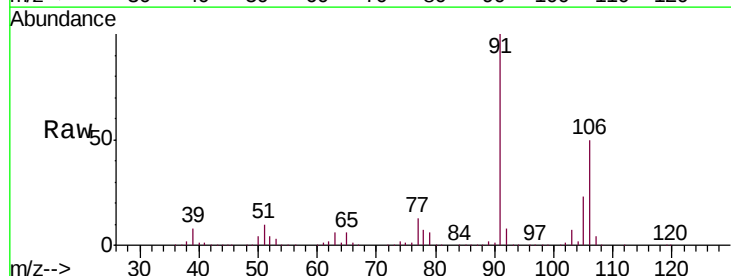
Acq: 30 Apr 2019 17:16

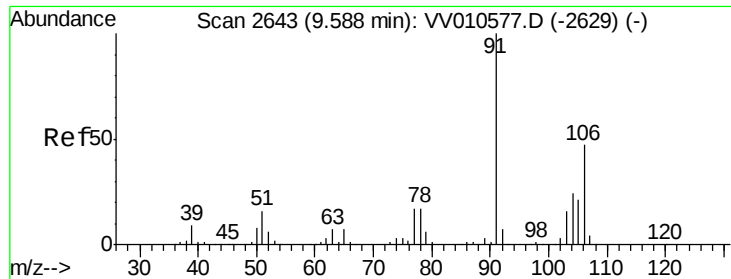
Tgt Ion: 106 Resp: 631142

Ion Ratio Lower Upper

106 100

91 199.0 140.3 260.5





#54

o-xylene

Concen: 23.442 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

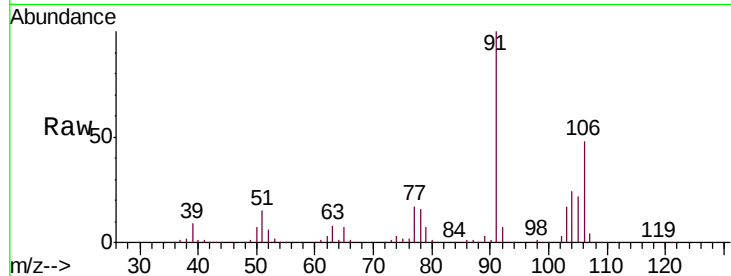
Instrument :
MSVOA_V
ClientSampleId :
VSTD02039

Tgt Ion:106 Resp: 611399

Ion Ratio Lower Upper

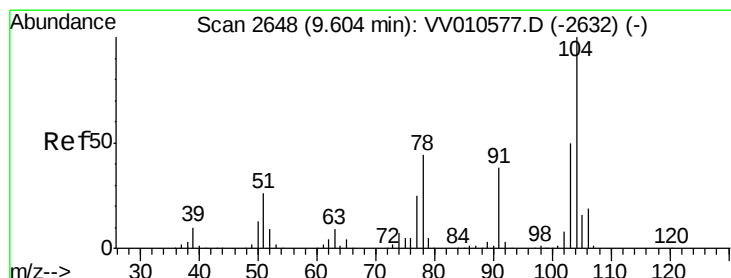
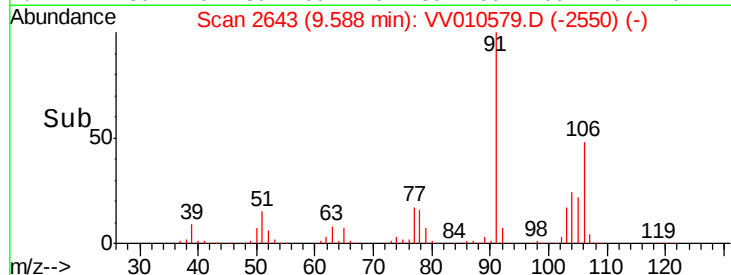
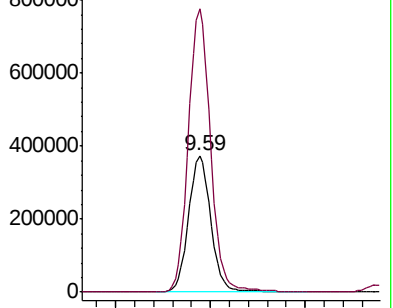
106 100

91 207.9 150.6 279.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 23.321 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010579.D

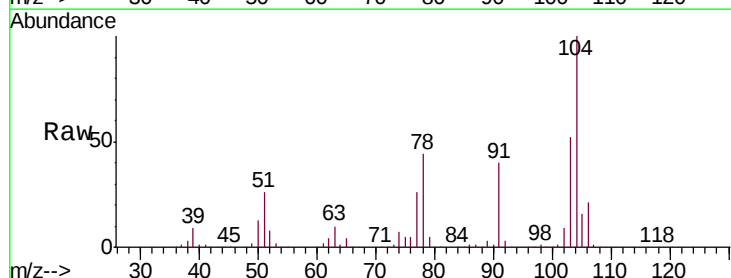
Acq: 30 Apr 2019 17:16

Tgt Ion:104 Resp: 999808

Ion Ratio Lower Upper

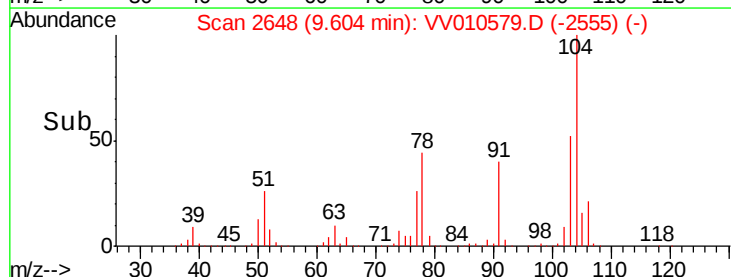
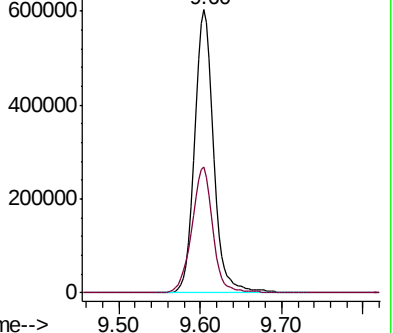
104 100

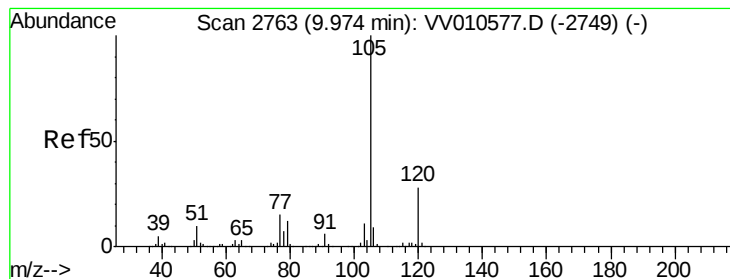
78 44.3 30.7 57.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 23.292 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD02039

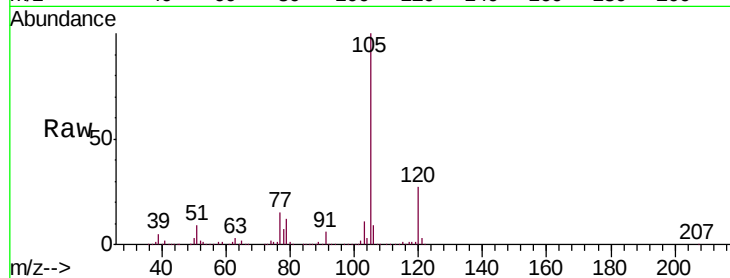
Tgt Ion:105 Resp: 1592762

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

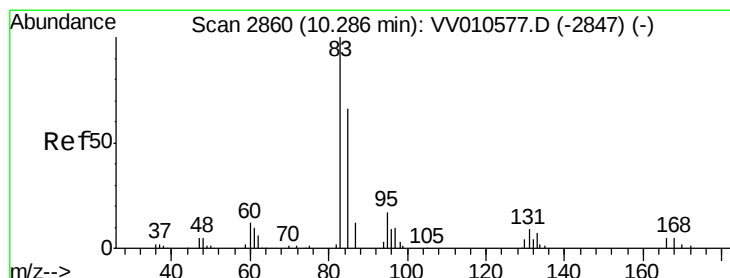
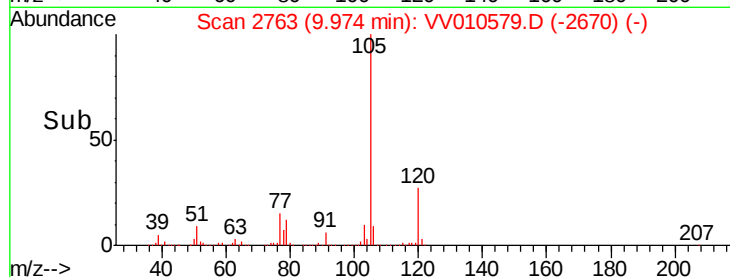
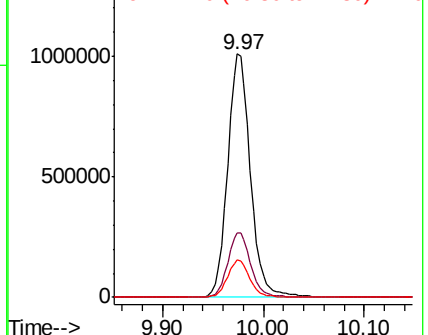
77 15.1 12.5 18.7



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: 19.807 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

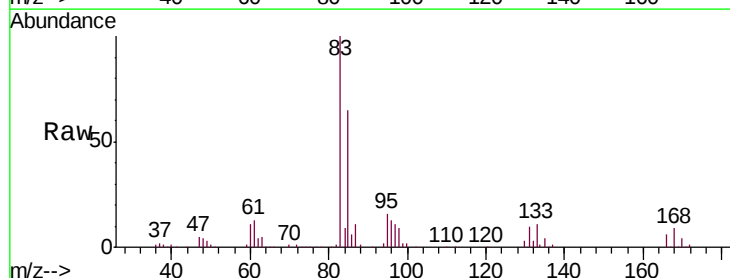
Tgt Ion: 83 Resp: 240599

Ion Ratio Lower Upper

83 100

85 65.1 46.3 85.9

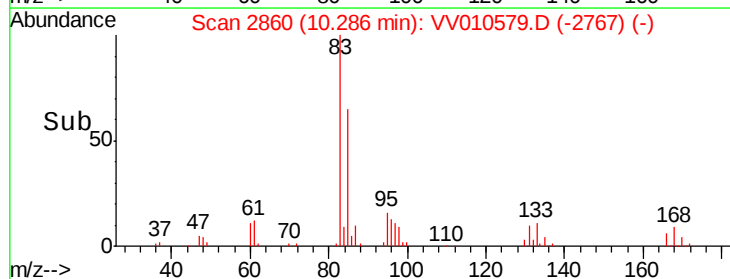
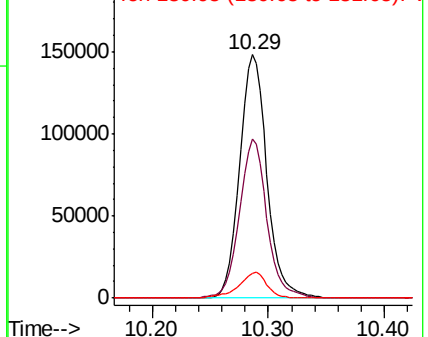
131 10.3 7.8 11.8

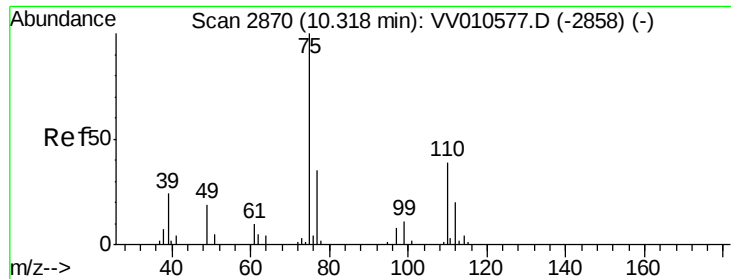


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 20.093 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

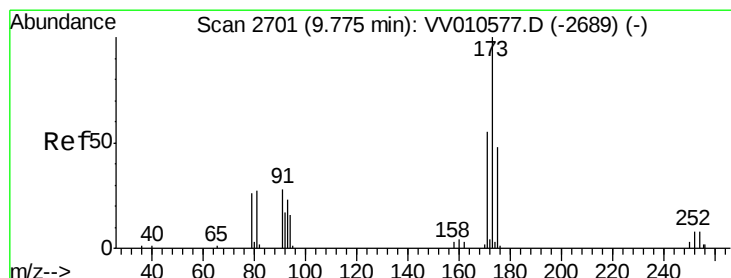
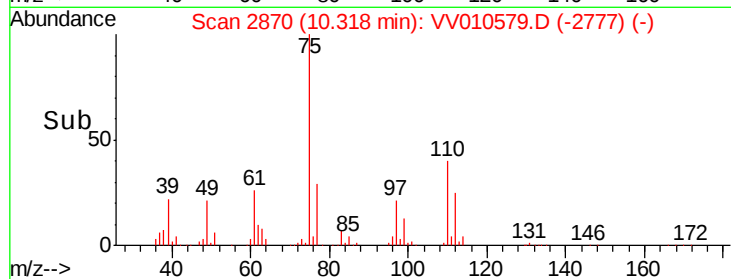
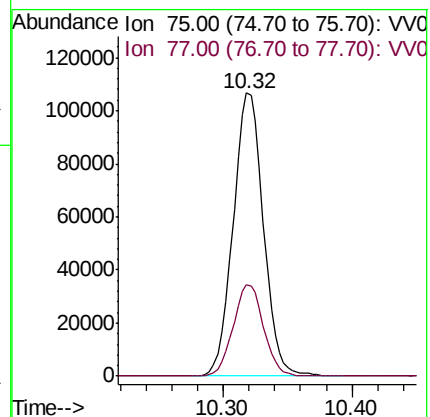
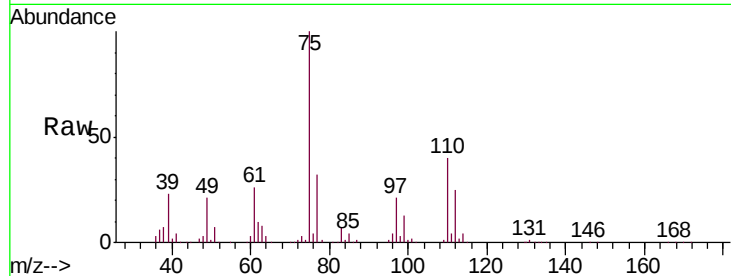
VSTD02039

Tgt Ion: 75 Resp: 173613

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.2



#61

Bromoform

Concen: 19.649 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

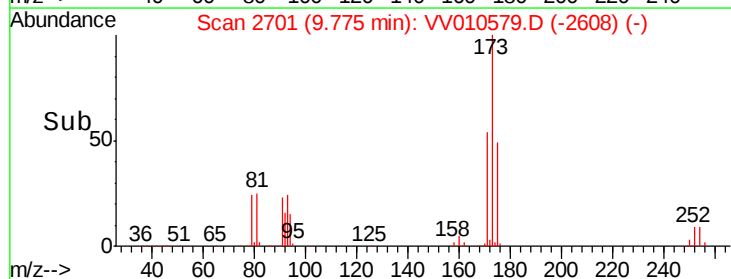
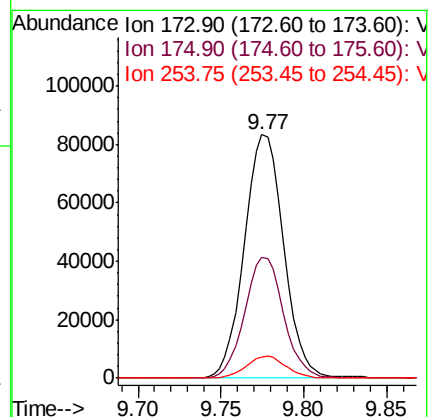
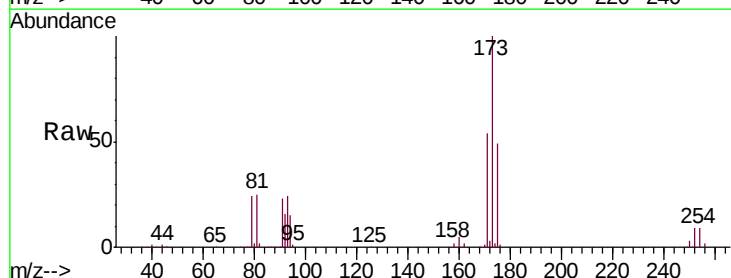
Tgt Ion: 173 Resp: 137568

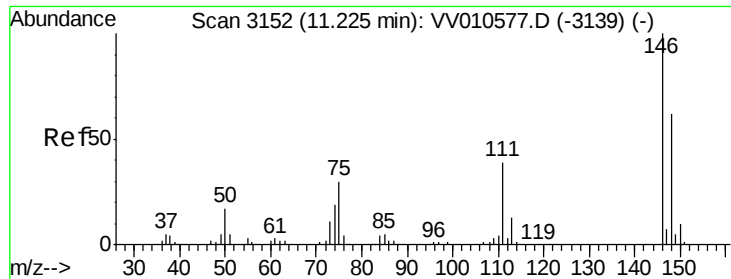
Ion Ratio Lower Upper

173 100

175 49.2 40.6 60.8

254 9.1 7.3 10.9

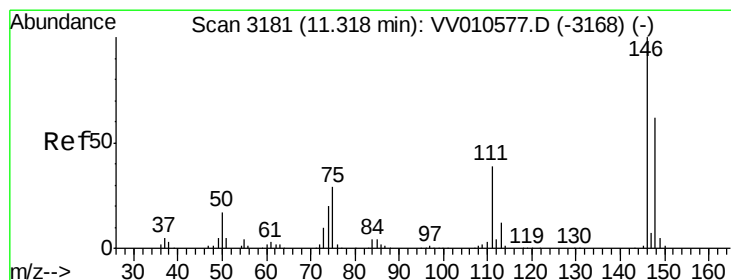
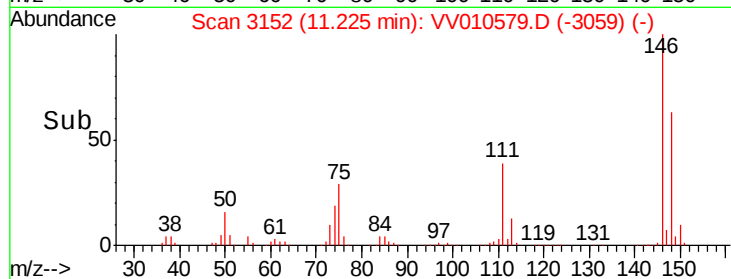
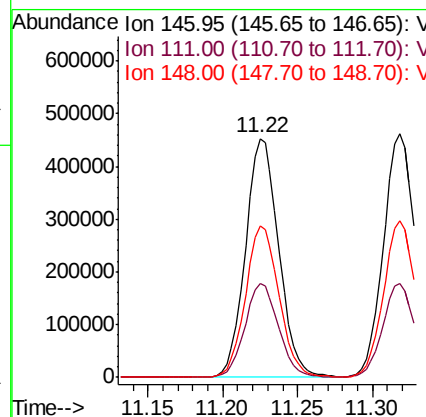
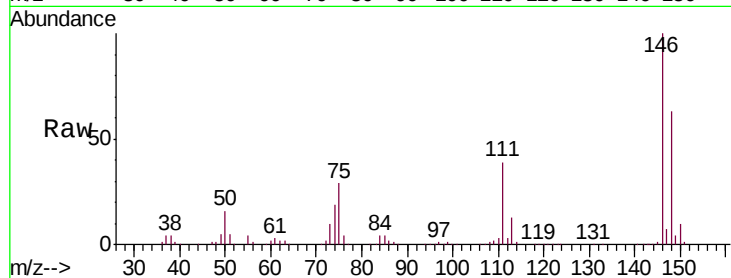




#62
 1,3-Dichlorobenzene
 Concen: 20.469 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV010579.D
 Acq: 30 Apr 2019 17:16

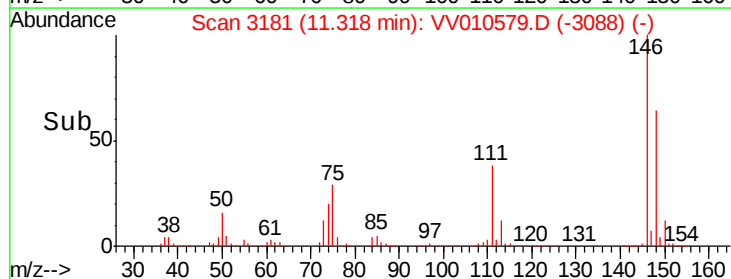
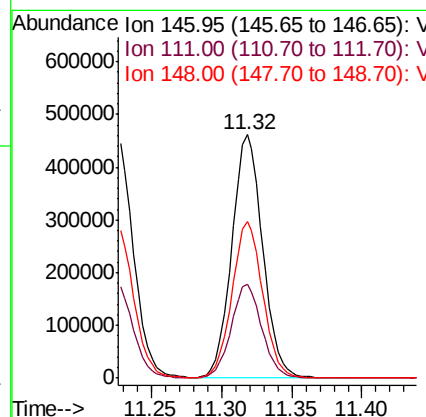
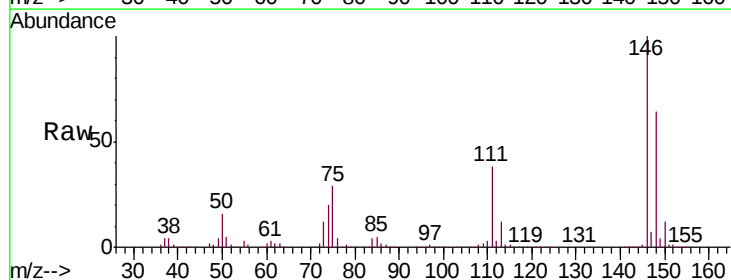
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02039

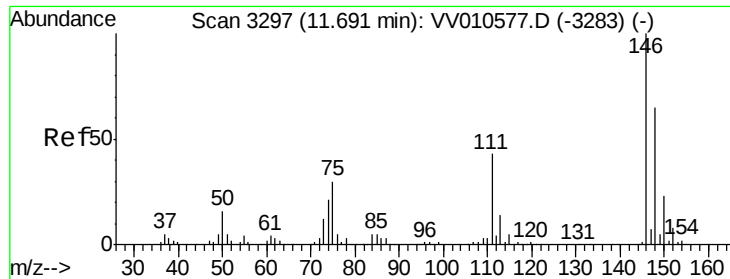
Tgt Ion:146 Resp: 700290
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.6 51.4
 148 63.2 43.0 80.0



#63
 1,4-Dichlorobenzene
 Concen: 20.071 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010579.D
 Acq: 30 Apr 2019 17:16

Tgt Ion:146 Resp: 705123
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.4 50.8
 148 64.5 43.3 80.3





#65

1,2-Dichlorobenzene

Concen: 19.459 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD02039

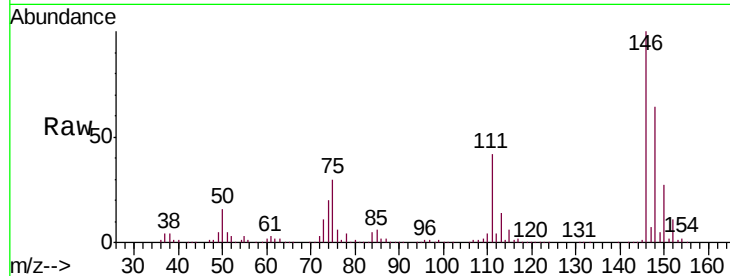
Tgt Ion:146 Resp: 651323

Ion Ratio Lower Upper

146 100

111 41.6 34.4 51.6

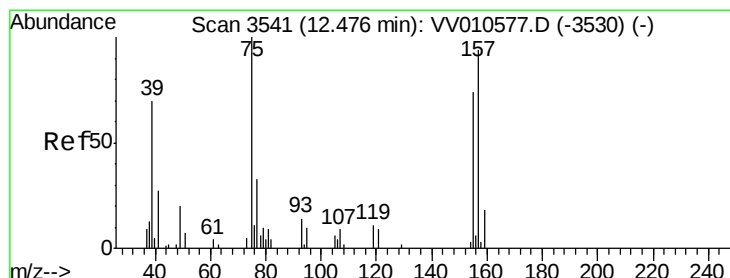
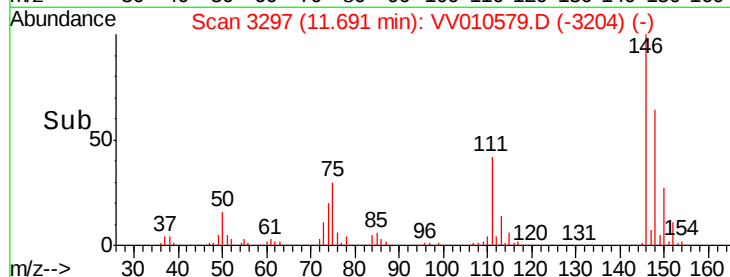
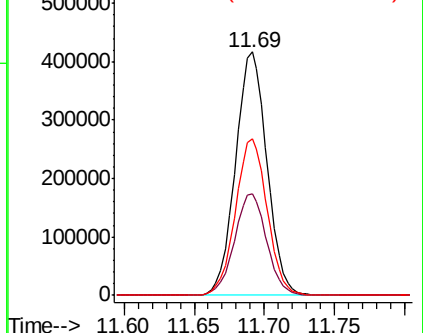
148 64.3 51.9 77.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 19.697 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

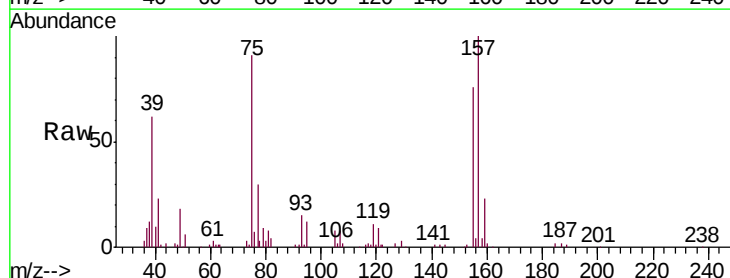
Tgt Ion: 75 Resp: 37158

Ion Ratio Lower Upper

75 100

155 83.1 59.4 89.2

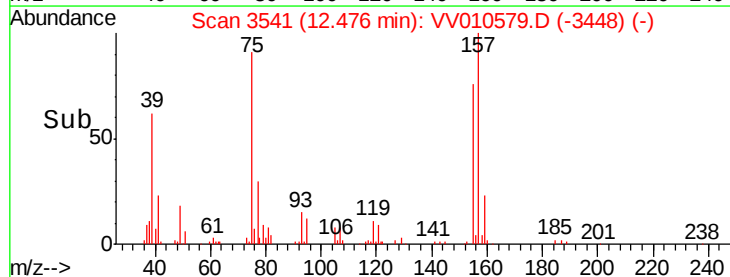
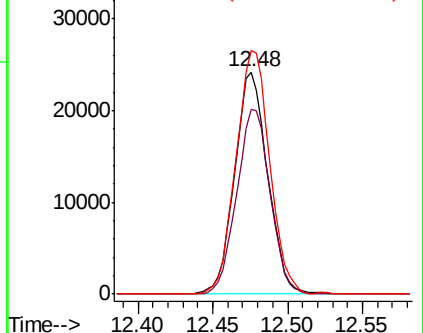
157 109.8 75.4 113.2

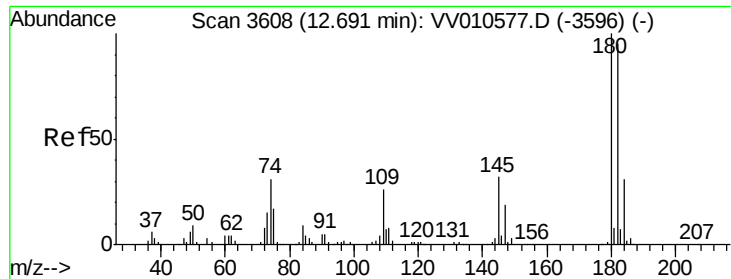


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

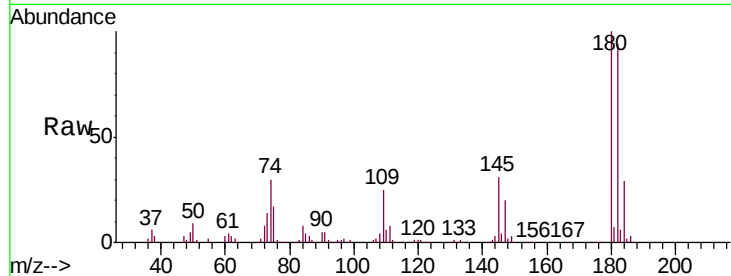




#67
 1,3,5-Trichlorobenzene
 Concen: 19.377 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010579.D
 Acq: 30 Apr 2019 17:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02039

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.7	115.1
184	29.5	25.2	37.8
145	30.5	25.0	37.4



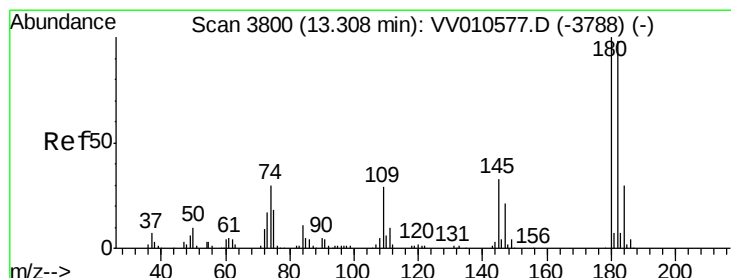
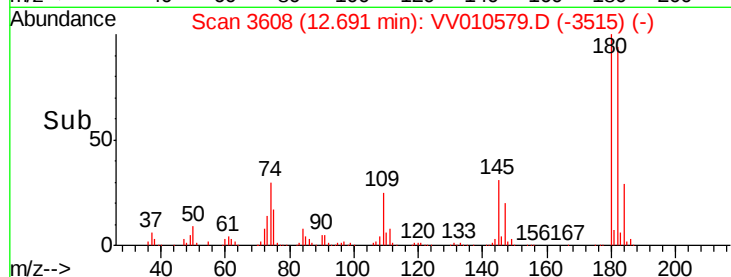
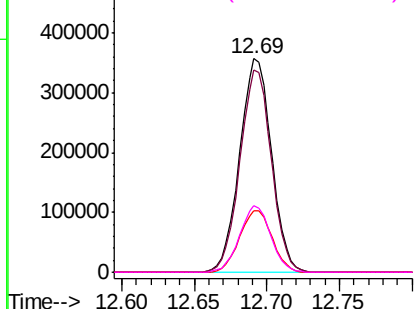
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

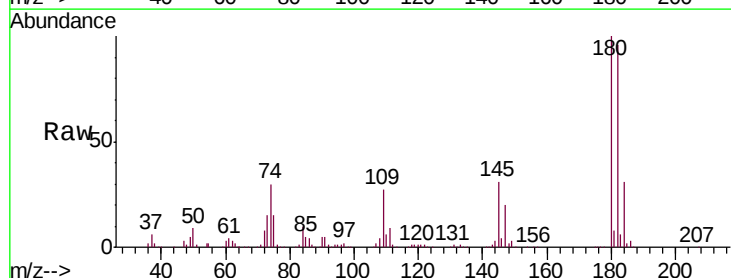
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 20.315 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010579.D
 Acq: 30 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.2	115.8
145	31.8	25.9	38.9

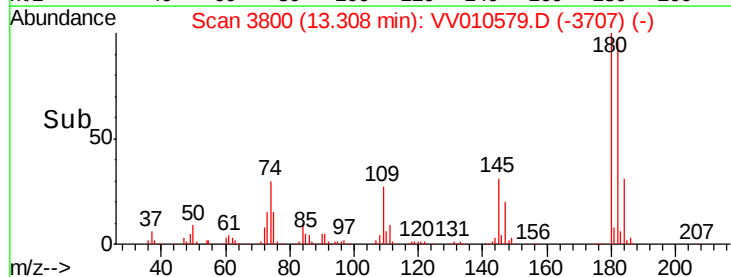
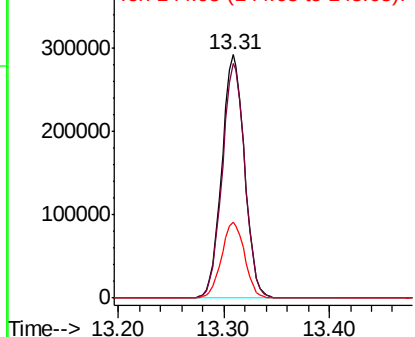


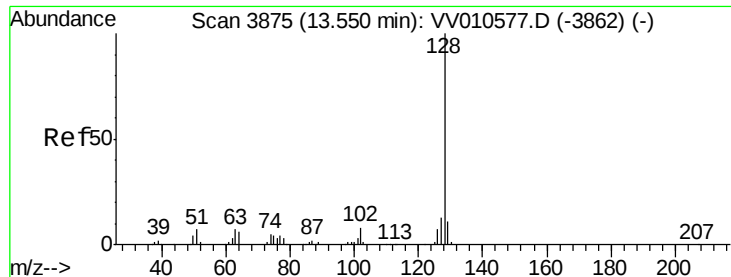
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 23.669 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD02039

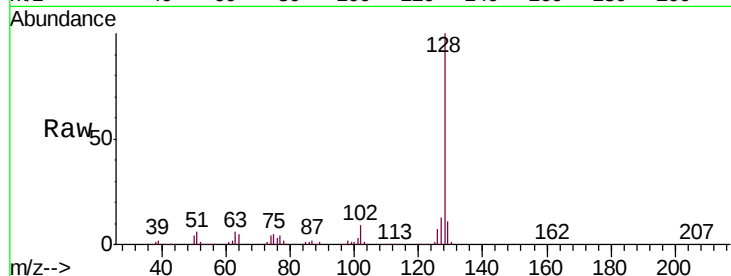
Tgt Ion:128 Resp: 757103

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

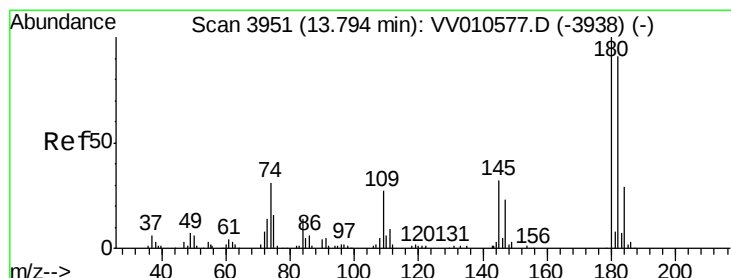
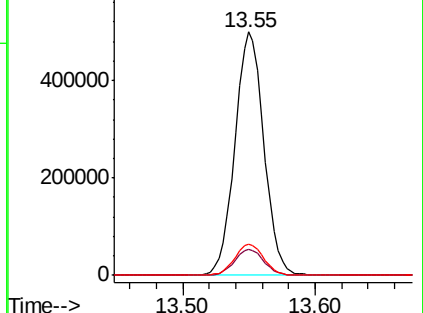
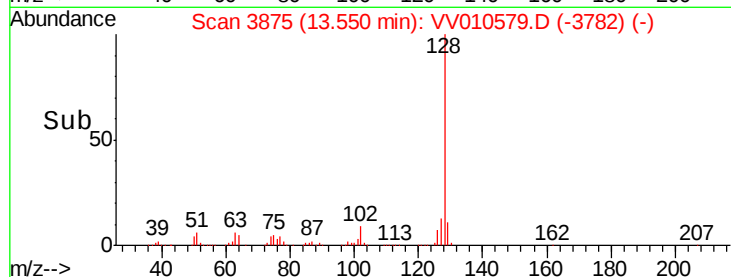
127 13.0 10.7 16.1



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: 19.050 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010579.D

Acq: 30 Apr 2019 17:16

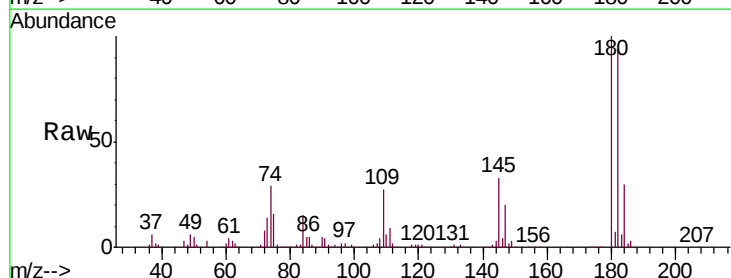
Tgt Ion:180 Resp: 399137

Ion Ratio Lower Upper

180 100

182 95.1 73.4 110.0

145 33.0 26.2 39.4



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

