

Data File : VV014597.D
Acq On : 17 Feb 2020 16:48
Operator : SY/MD
Sample : MDL06
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Quant Time: Feb 18 06:45:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM021720W.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 18 06:41:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	285058	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	266467	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	129510	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44771	47.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.34%
7) Chloroethane-d5	1.58	69	35957	49.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.98%
11) 1,1-Dichloroethene-d2	2.13	63	62528	35.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.34%
21) 2-Butanone-d5	3.92	46	99393	107.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.58%
24) Chloroform-d	4.40	84	153311	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.94%
26) 1,2-Dichloroethane-d4	5.08	65	101550	51.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.38%
32) Benzene-d6	5.10	84	315443	51.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.44%
36) 1,2-Dichloropropane-d6	6.11	67	97139	52.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.42%
41) Toluene-d8	7.36	98	296435	51.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.14%
43) trans-1,3-Dichloropropene-	7.66	79	51645	49.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.78%
47) 2-Hexanone-d5	8.13	63	80436	110.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.50%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	134431	52.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.60%
66) 1,2-Dichlorobenzene-d4	11.67	152	117497	53.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.66%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	5157	2.603 ug/L	98
3) Chloromethane	1.26	50	4657	2.897 ug/L	97
5) Vinyl chloride	1.33	62	3317	2.642 ug/L #	78
6) Bromomethane	1.53	94	1573	2.306 ug/L	93
8) Chloroethane	1.60	64	1670	2.635 ug/L	93
9) Trichlorofluoromethane	1.77	101	5778	2.521 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3026	3.178 ug/L #	82
12) 1,1-Dichloroethene	2.14	96	2794	3.113 ug/L #	1
13) Acetone	2.19	43	4181	5.303 ug/L	87
14) Carbon disulfide	2.32	76	11257	2.734 ug/L	97
15) Methyl Acetate	2.46	43	4106	2.744 ug/L #	85
16) Methylene chloride	2.54	84	5222	2.848 ug/L	95
17) trans-1,2-Dichloroethene	2.79	96	4404	2.609 ug/L	93
18) Methyl tert-butyl Ether	2.80	73	14729	2.628 ug/L	97
19) 1,1-Dichloroethane	3.23	63	7750	2.577 ug/L	94
20) cis-1,2-Dichloroethene	3.96	96	5253	2.646 ug/L	95
22) 2-Butanone	4.03	43	2486	2.071 ug/L	87

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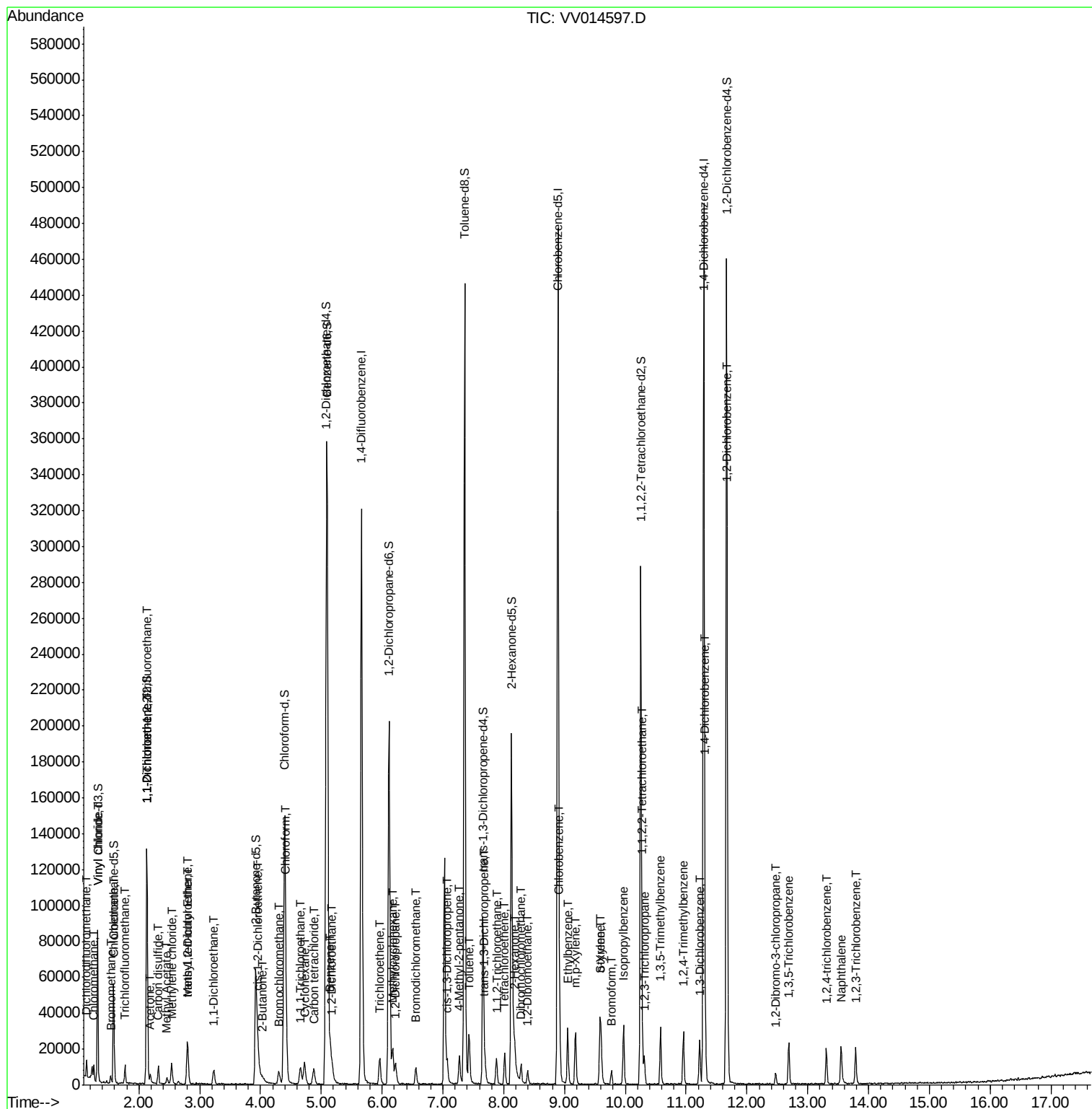
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	2437	2.490	ug/L #	84
25) Chloroform	4.42	83	12178	3.574	ug/L	97
27) 1,2-Dichloroethane	5.18	62	6106	2.396	ug/L #	94
29) Cyclohexane	4.72	56	6855	2.680	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	7141	2.399	ug/L	97
31) Carbon tetrachloride	4.88	117	6450	2.430	ug/L	91
33) Benzene	5.15	78	17796	2.585	ug/L	100
34) Trichloroethene	5.96	95	4998	2.662	ug/L	94
35) Methylcyclohexane	6.17	83	7566	2.591	ug/L #	48
37) 1,2-Dichloropropane	6.22	63	4019	2.407	ug/L #	95
38) Bromodichloromethane	6.56	83	6303	2.424	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	7699	2.600	ug/L	95
40) 4-Methyl-2-pentanone	7.27	43	10167	4.869	ug/L	99
42) Toluene	7.43	91	20516	2.705	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	6960	2.523	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	4748	2.643	ug/L	96
46) Tetrachloroethene	8.02	164	3927	2.616	ug/L	99
48) 2-Hexanone	8.18	43	9642	5.915	ug/L #	89
49) Dibromochloromethane	8.29	129	5123	2.354	ug/L	99
50) 1,2-Dibromoethane	8.40	107	5149	2.608	ug/L	93
51) Chlorobenzene	8.92	112	13685	2.668	ug/L	98
52) Ethylbenzene	9.05	91	22078	2.533	ug/L	99
53) m,p-Xylene	9.18	106	8853	2.625	ug/L	100
54) o-Xylene	9.58	106	7766	2.391	ug/L	95
55) Styrene	9.60	104	13720	2.481	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.28	83	8326	2.912	ug/L #	88
59) Bromoform	9.77	173	3723	2.547	ug/L #	93
60) Isopropylbenzene	9.97	105	21131	2.571	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	6211	2.878	ug/L	97
62) 1,3,5-Trimethylbenzene	10.58	105	16910	2.408	ug/L	95
63) 1,2,4-Trimethylbenzene	10.95	105	16771	2.445	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	10032	2.547	ug/L	94
65) 1,4-Dichlorobenzene	11.32	146	10970	2.718	ug/L	94
67) 1,2-Dichlorobenzene	11.68	146	10549	2.721	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.47	75	1847	2.848	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.69	180	6533	2.295	ug/L	97
70) 1,2,4-trichlorobenzene	13.31	180	6090	2.367	ug/L	99
71) Naphthalene	13.55	128	18376	2.333	ug/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	5922	2.358	ug/L	98

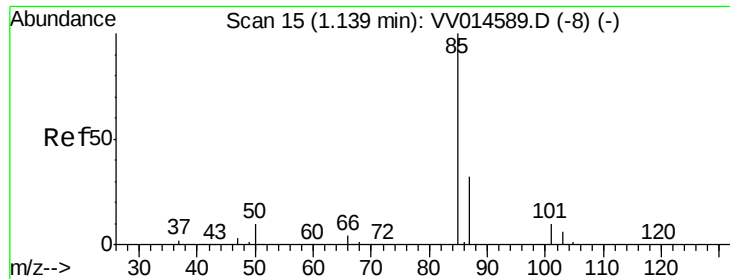
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.603 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

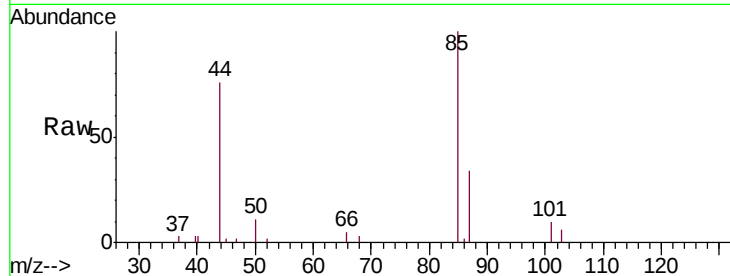
MDL06

Tgt Ion: 85 Resp: 5157

Ion Ratio Lower Upper

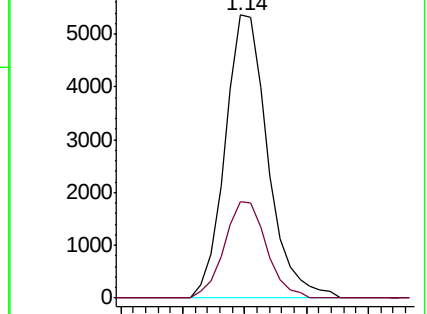
85 100

87 33.8 26.2 39.4

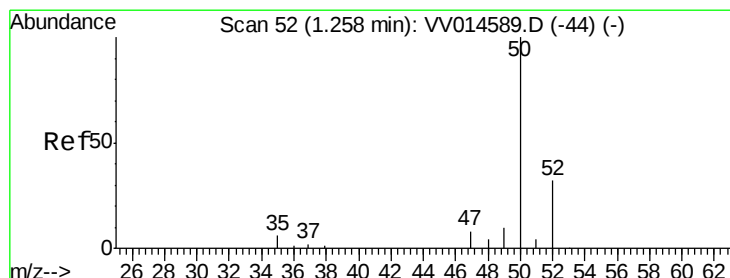
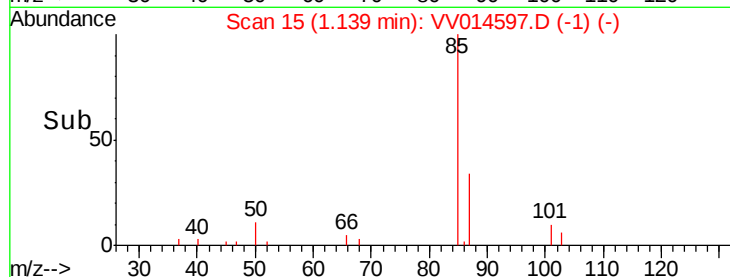


Abundance Ion 85.00 (84.70 to 85.70): VV014589.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014589.D (-8) (-)



Time-->



#3

Chloromethane

Concen: 2.897 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014597.D

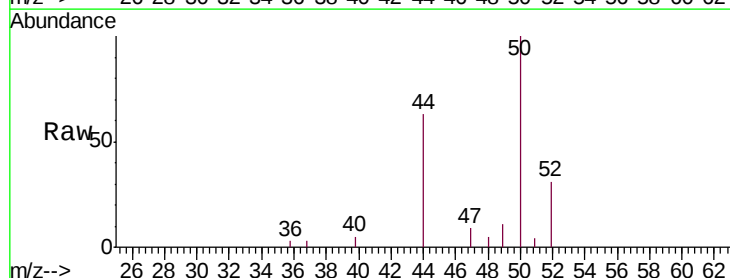
Acq: 17 Feb 2020 16:48

Tgt Ion: 50 Resp: 4657

Ion Ratio Lower Upper

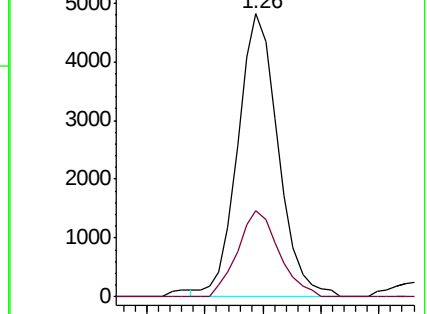
50 100

52 30.7 22.6 42.0

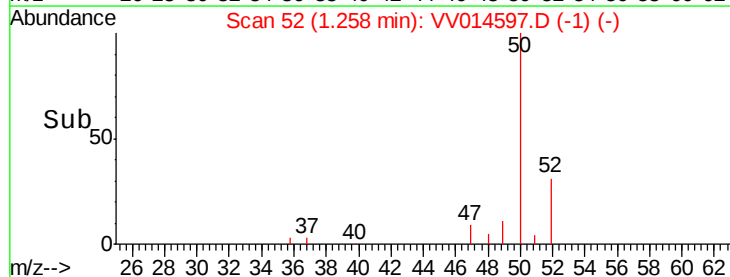


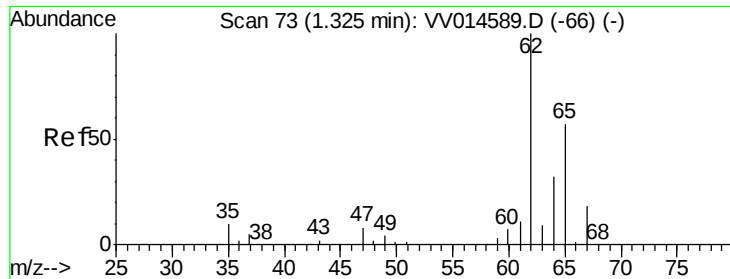
Abundance Ion 50.00 (49.70 to 50.70): VV014589.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV014589.D (-44) (-)



Time-->





#5

Vinyl chloride

Concen: 2.642 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampled :

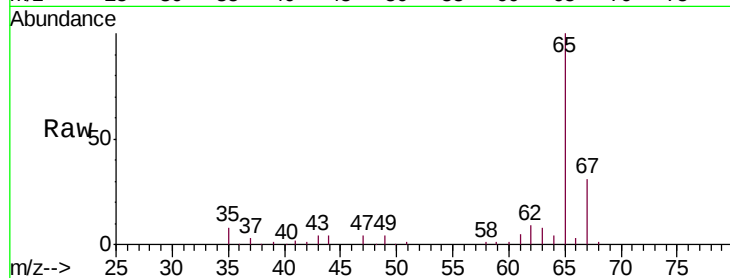
MDL06

Tgt Ion: 62 Resp: 3317

Ion Ratio Lower Upper

62 100

64 44.5 22.6 42.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.33

4000

3000

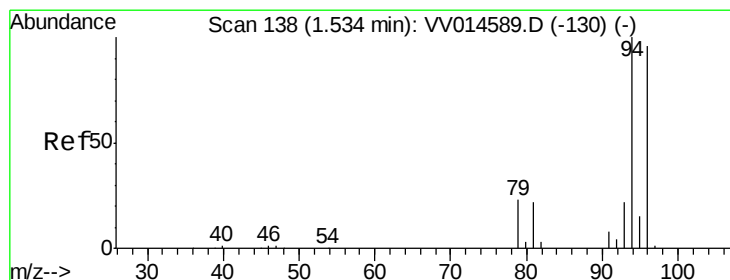
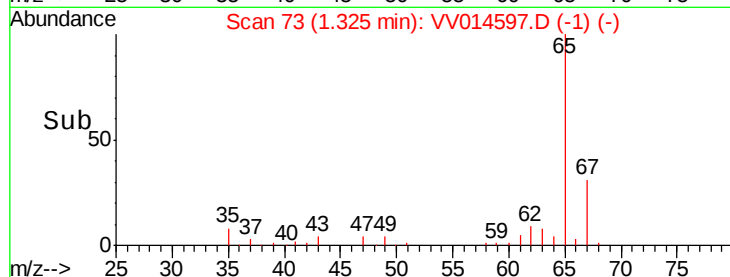
2000

1000

0

1.30 1.32 1.34 1.36

Time-->



#6

Bromomethane

Concen: 2.306 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014597.D

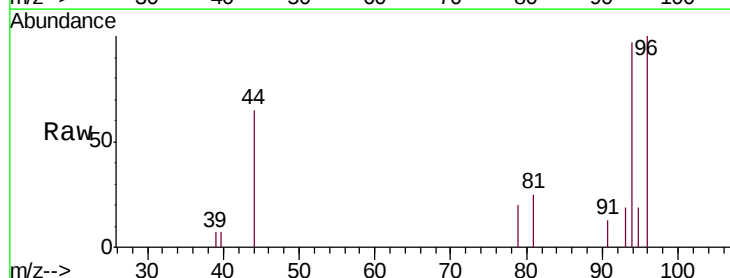
Acq: 17 Feb 2020 16:48

Tgt Ion: 94 Resp: 1573

Ion Ratio Lower Upper

94 100

96 102.9 67.4 125.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

1500

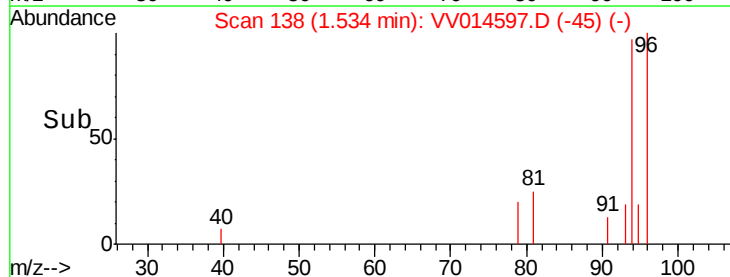
1000

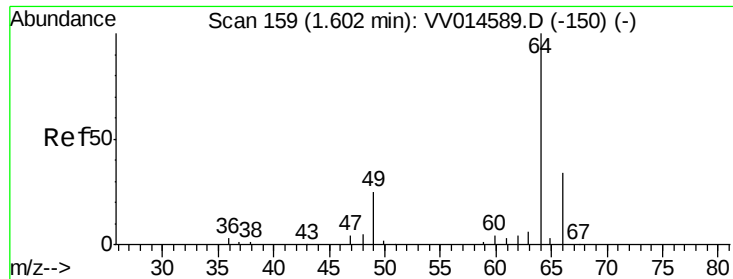
500

0

1.50 1.52 1.54 1.56

Time-->

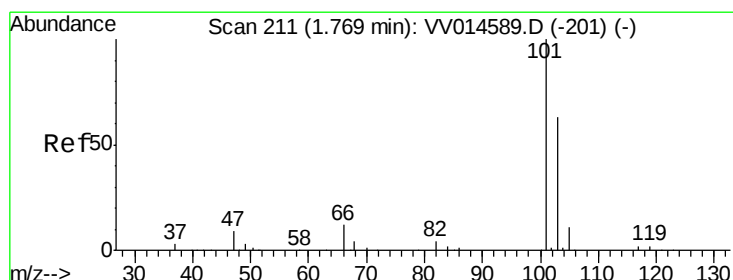
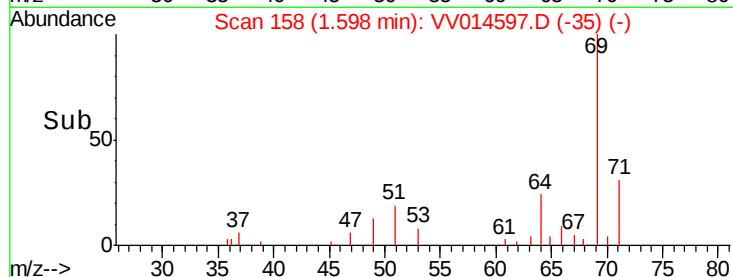
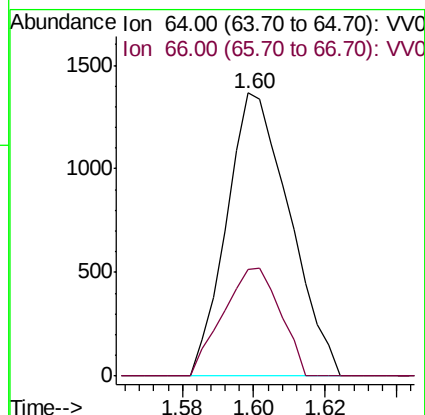
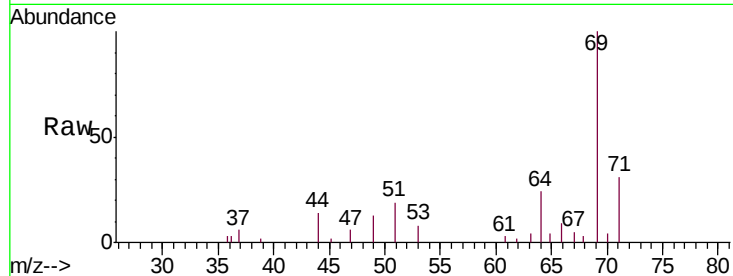




#8
Chloroethane
Concen: 2.635 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

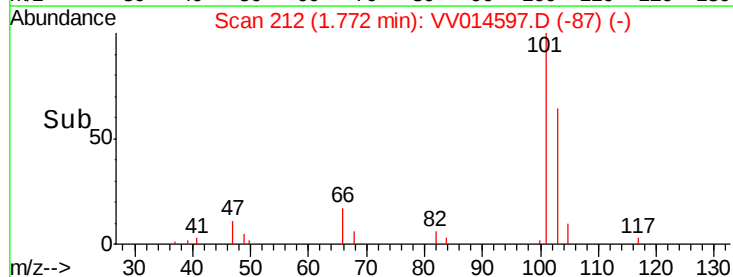
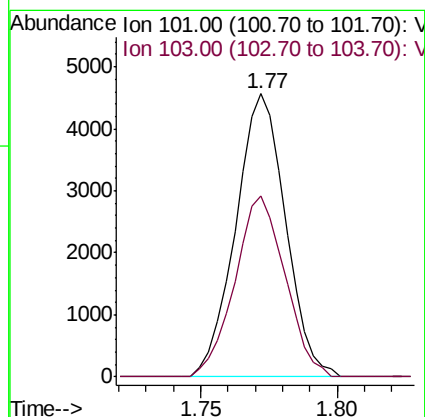
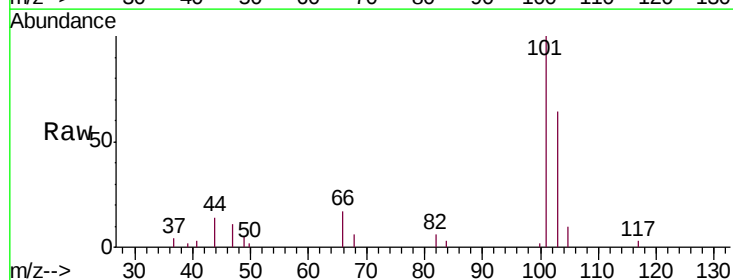
Instrument :
MSVOA_V
ClientSampled :
MDL06

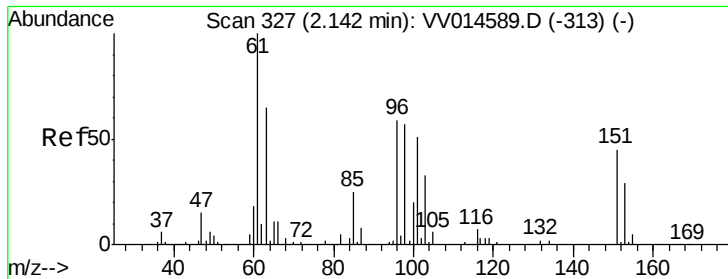
Tgt Ion: 64 Resp: 1670
Ion Ratio Lower Upper
64 100
66 37.7 23.6 43.8



#9
Trichlorofluoromethane
Concen: 2.521 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Tgt Ion: 101 Resp: 5778
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.0





#10

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

Concen: 3.178 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

MDL06

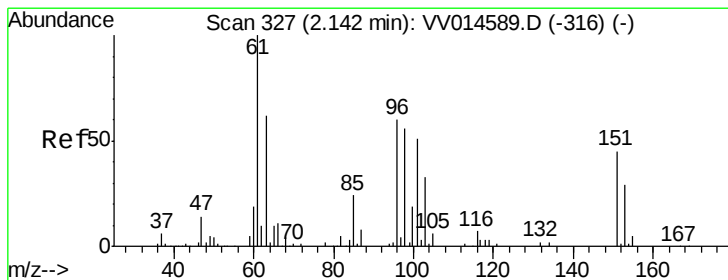
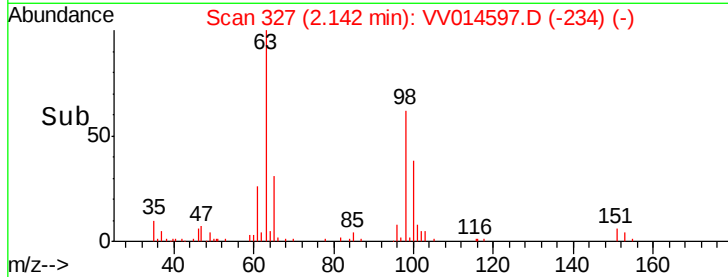
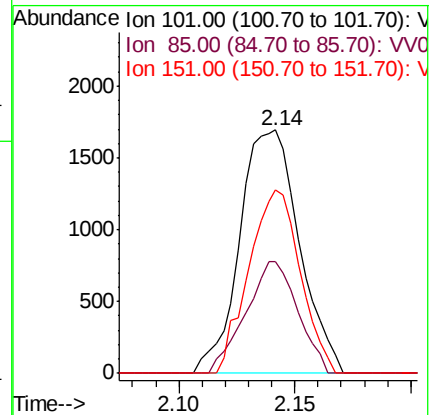
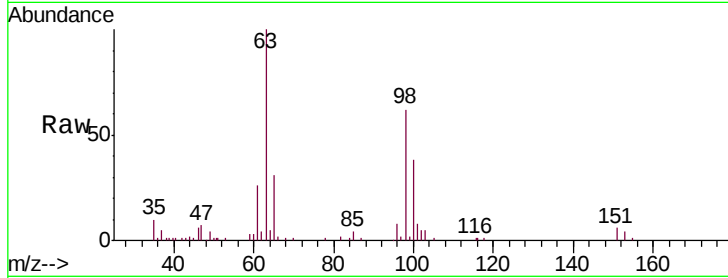
Tgt Ion:101 Resp: 3026

Ion Ratio Lower Upper

101 100

85 40.2 37.9 56.9

151 64.8 67.7 101.5#



#12

1,1-Dichloroethene

Concen: 3.113 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

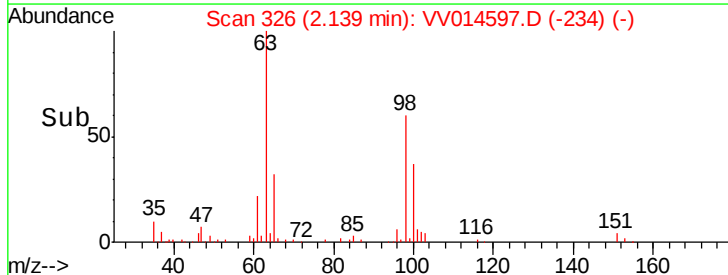
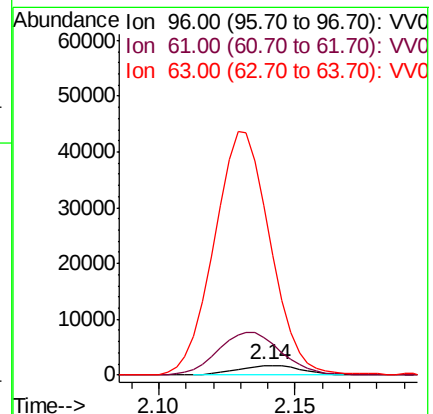
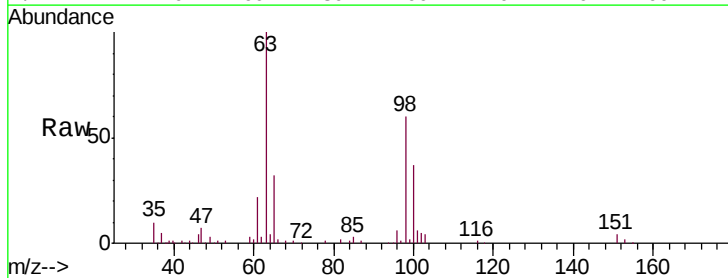
Tgt Ion: 96 Resp: 2794

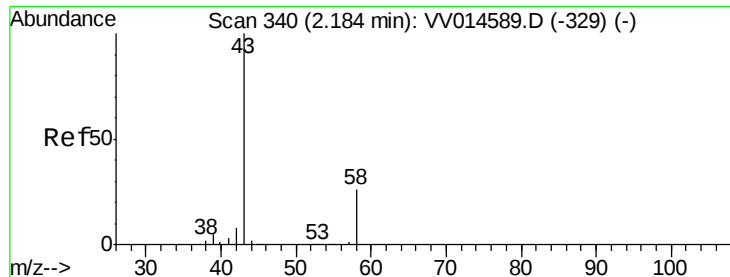
Ion Ratio Lower Upper

96 100

61 389.2 118.3 219.7#

63 1731.4 77.5 143.9#





#13

Acetone

Concen: 5.303 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

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MSVOA_V

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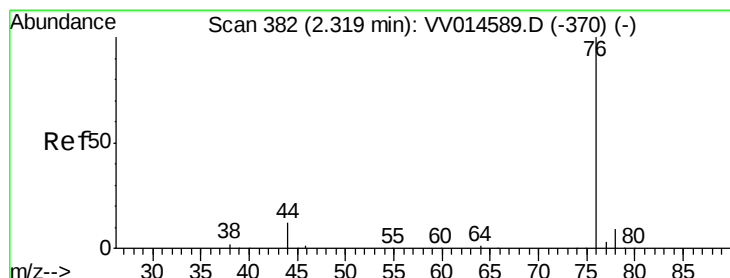
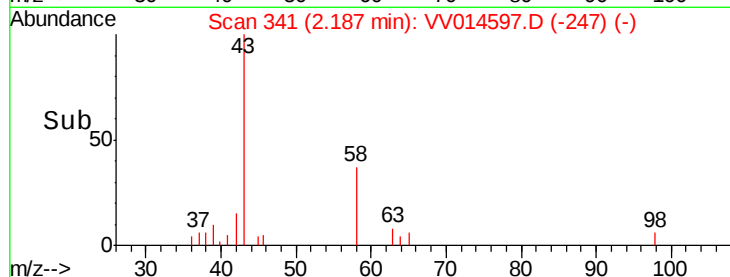
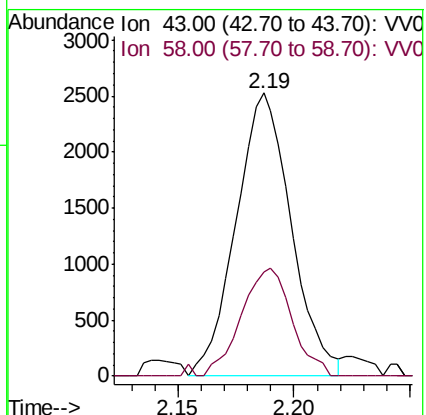
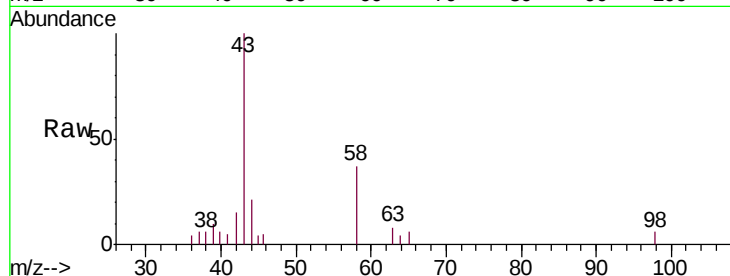
MDL06

Tgt Ion: 43 Resp: 4181

Ion Ratio Lower Upper

43 100

58 35.0 0.0 55.8



#14

Carbon disulfide

Concen: 2.734 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014597.D

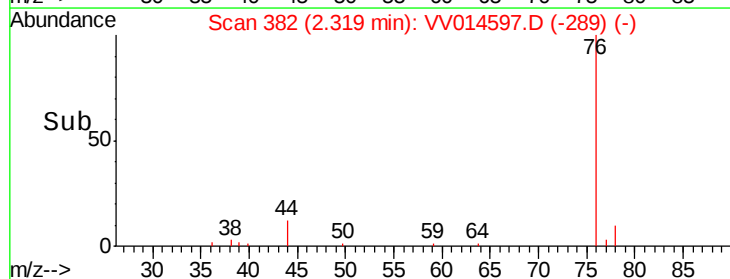
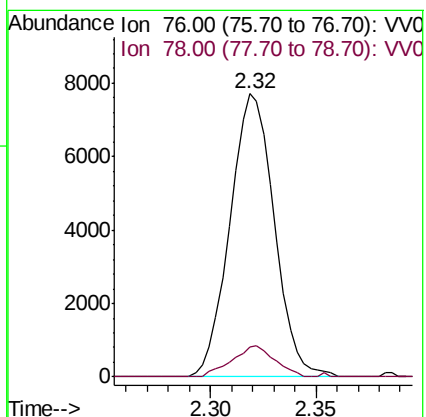
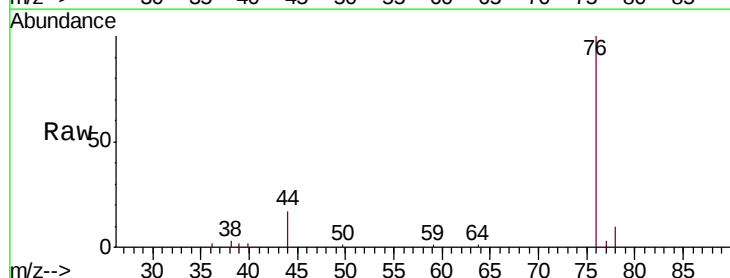
Acq: 17 Feb 2020 16:48

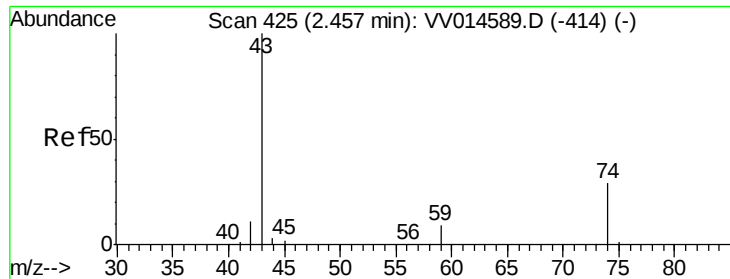
Tgt Ion: 76 Resp: 11257

Ion Ratio Lower Upper

76 100

78 10.4 7.5 11.3





#15

Methyl Acetate

Concen: 2.744 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampled :

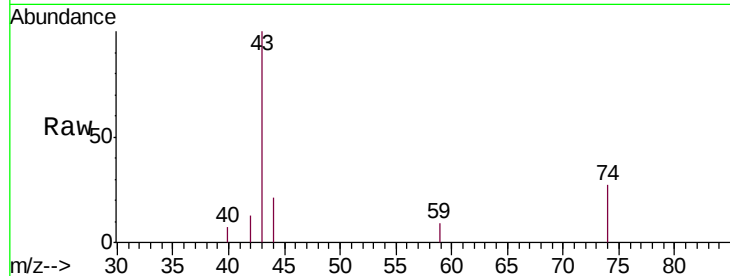
MDL06

Tgt Ion: 43 Resp: 4106

Ion Ratio Lower Upper

43 100

74 20.8 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VV014589.D (-414) (-)

Ion 74.00 (73.70 to 74.70): VV014589.D (-414) (-)

2.46

2500

2000

1500

1000

500

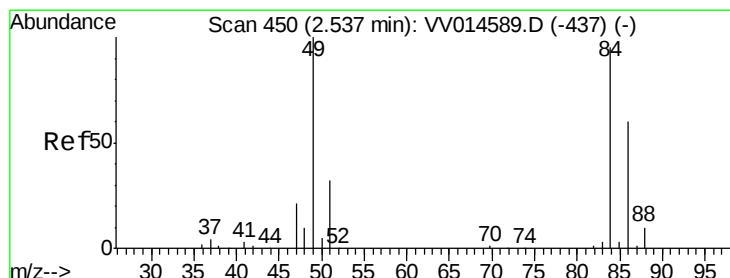
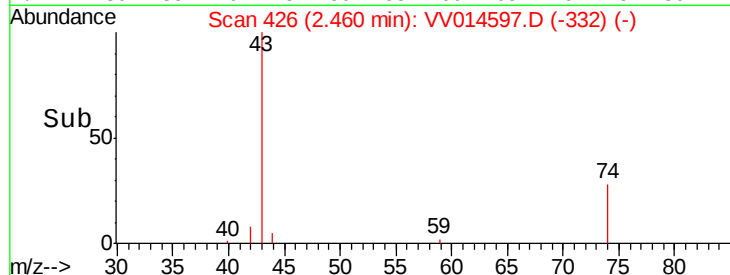
0

2.40

2.45

2.50

Time-->



#16

Methylene chloride

Concen: 2.848 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

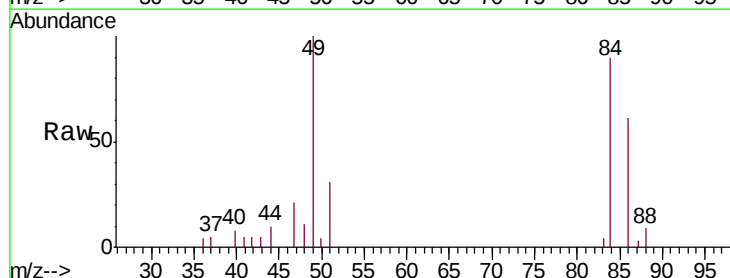
Tgt Ion: 84 Resp: 5222

Ion Ratio Lower Upper

84 100

86 67.0 44.0 81.8

49 110.5 74.0 137.4



Abundance Ion 84.00 (83.70 to 84.70): VV014589.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV014589.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV014589.D (-437) (-)

2.54

4000

3000

2000

1000

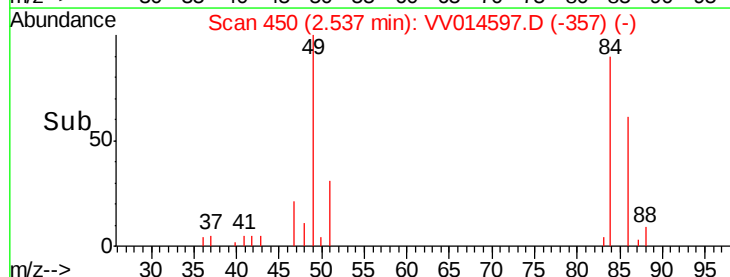
0

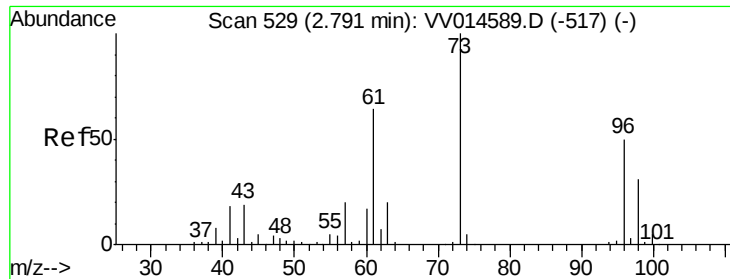
2.50

2.55

2.60

Time-->

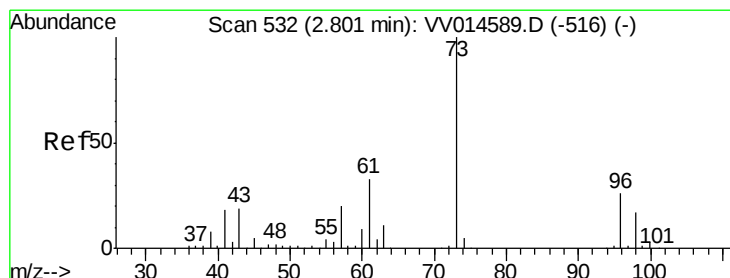
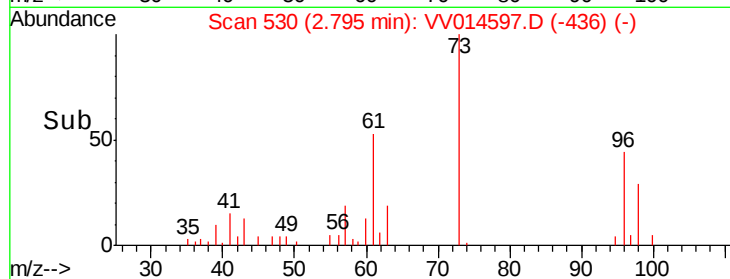
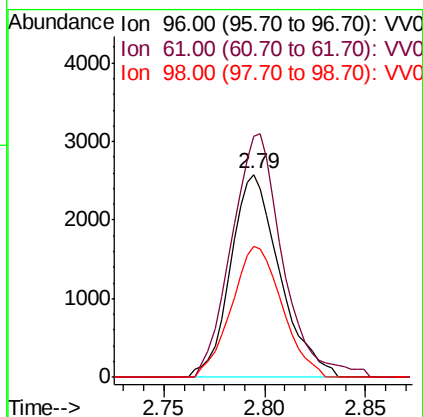
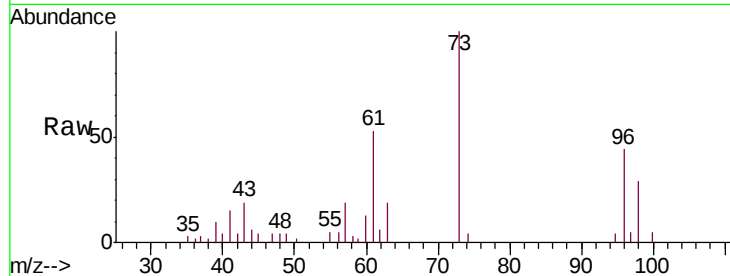




#17
trans-1,2-Dichloroethene
Concen: 2.609 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

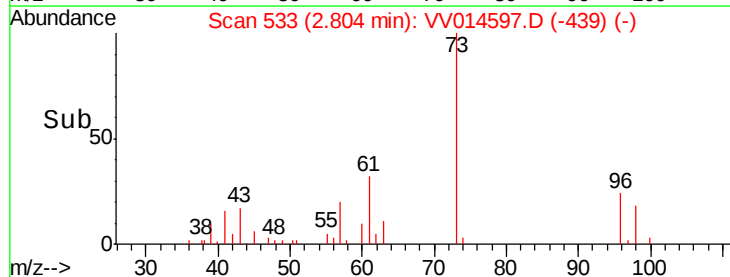
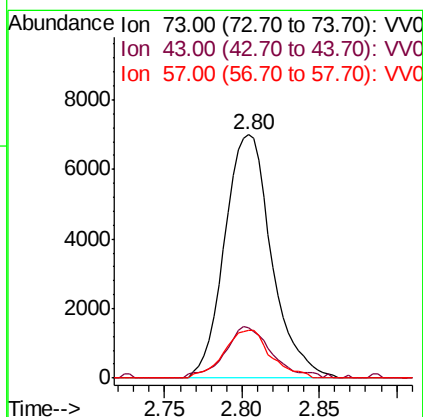
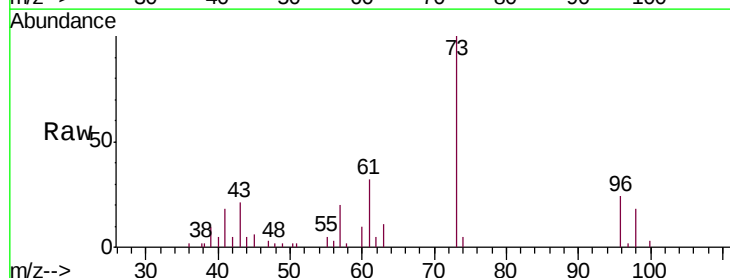
Instrument :
MSVOA_V
ClientSampleId :
MDL06

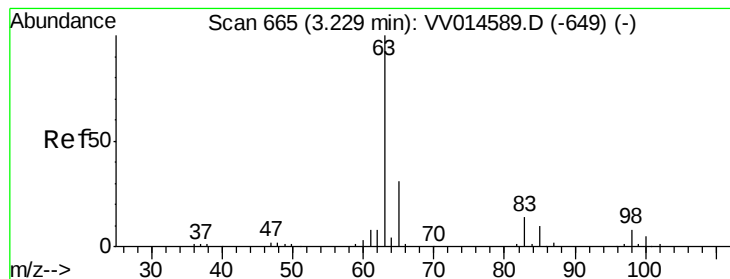
Tgt Ion: 96 Resp: 4404
Ion Ratio Lower Upper
96 100
61 119.1 90.6 168.3
98 64.6 44.2 82.2



#18
Methyl tert-butyl Ether
Concen: 2.628 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Tgt Ion: 73 Resp: 14729
Ion Ratio Lower Upper
73 100
43 20.5 14.7 22.1
57 19.6 16.2 24.4





#19

1,1-Dichloroethane

Concen: 2.577 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

MDL06

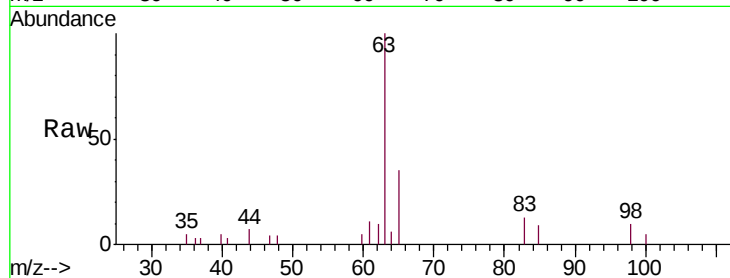
Tgt Ion: 63 Resp: 7750

Ion Ratio Lower Upper

63 100

65 35.1 21.8 40.4

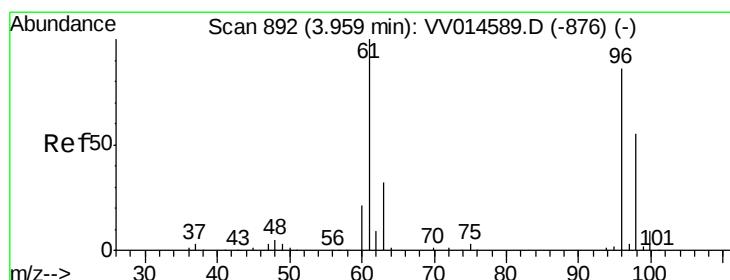
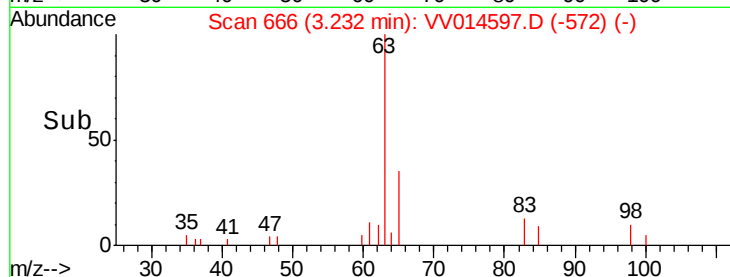
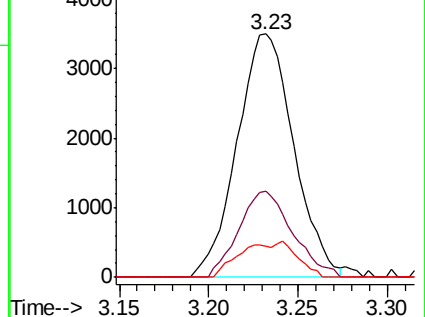
83 12.9 9.9 18.3



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



#20

cis-1,2-Dichloroethene

Concen: 2.646 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

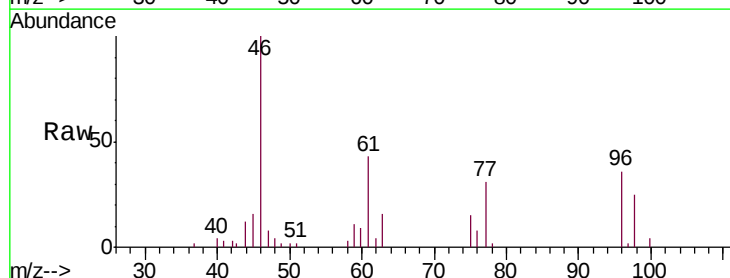
Tgt Ion: 96 Resp: 5253

Ion Ratio Lower Upper

96 100

61 121.5 81.4 151.2

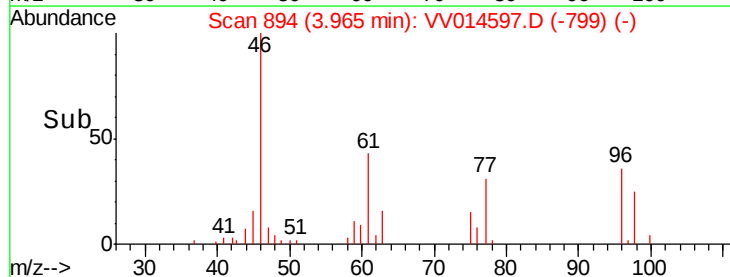
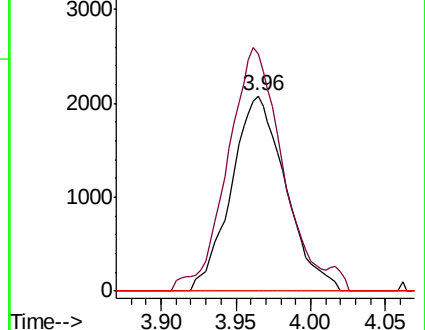
68 0.0 0.0 0.0

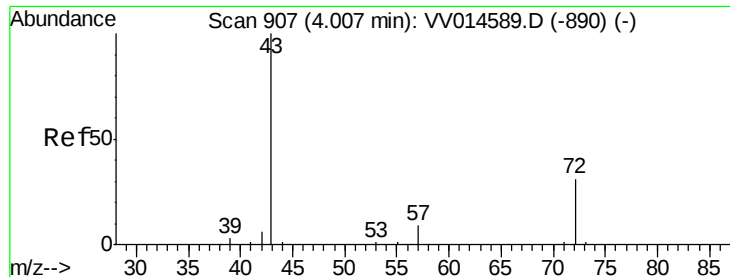


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 2.071 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.03 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

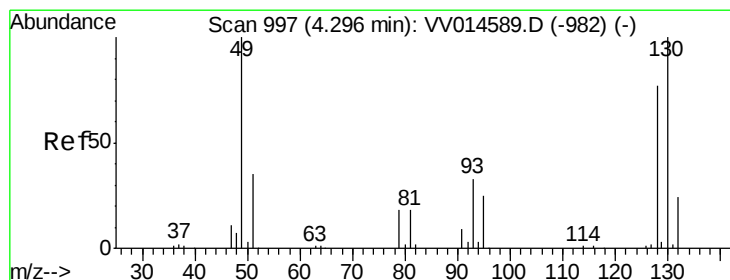
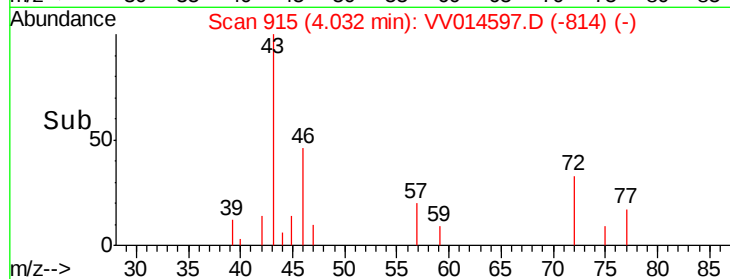
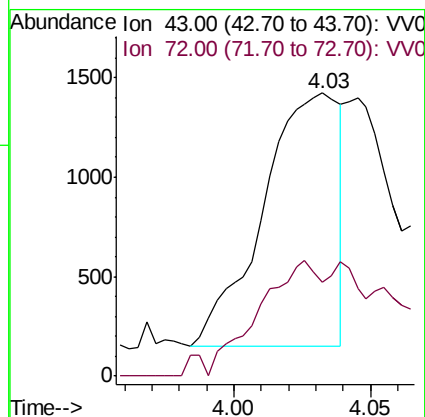
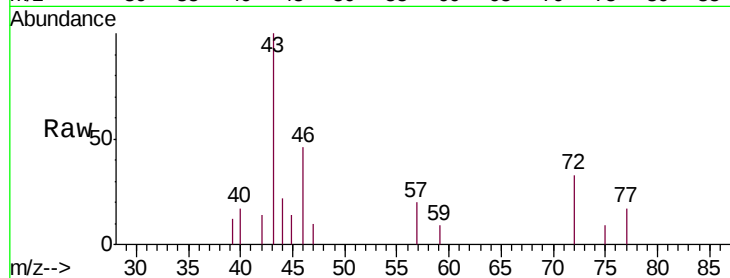
MDL06

Tgt Ion: 43 Resp: 2486

Ion Ratio Lower Upper

43 100

72 37.0 15.1 45.3



#23

Bromochloromethane

Concen: 2.490 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.01 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Tgt Ion: 128 Resp: 2437

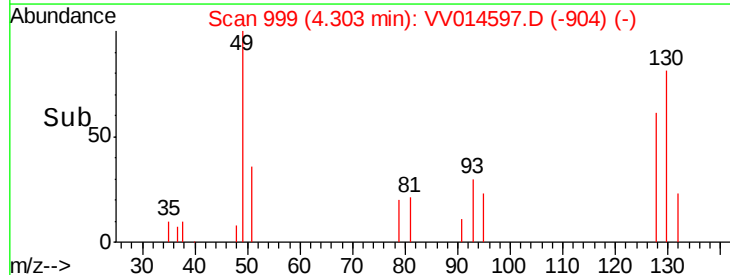
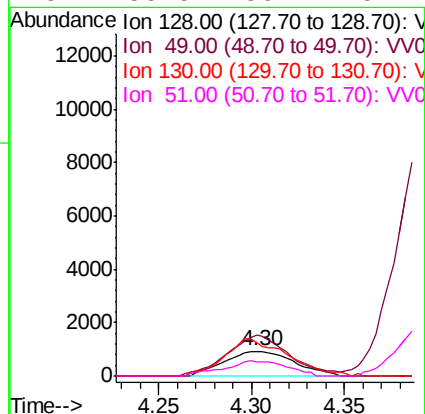
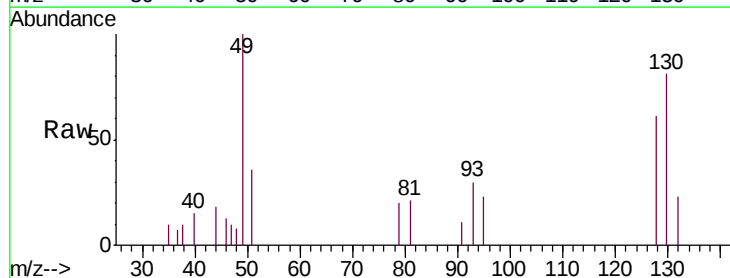
Ion Ratio Lower Upper

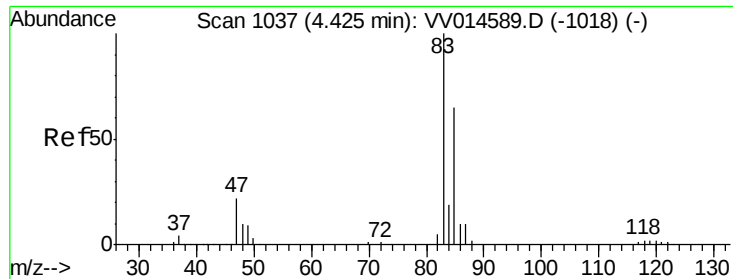
128 100

49 164.1 91.7 170.3

130 132.7 91.4 169.8

51 58.5 36.2 54.2#

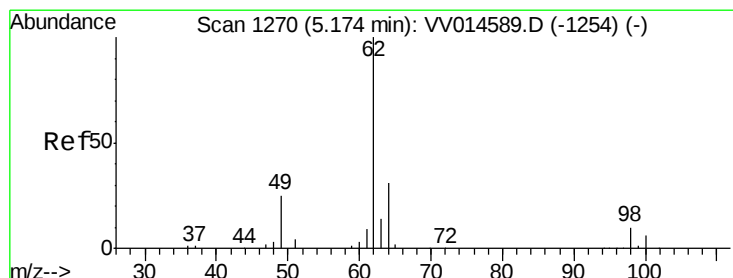
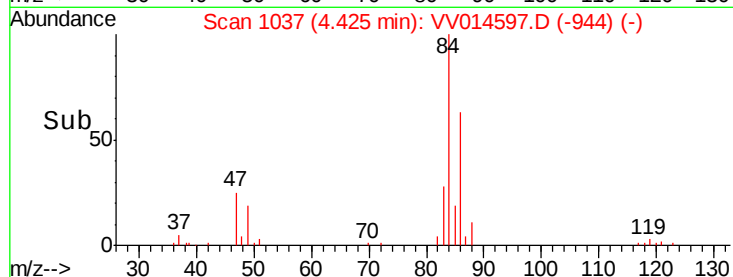
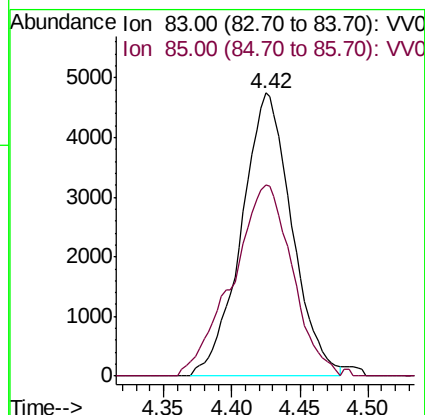
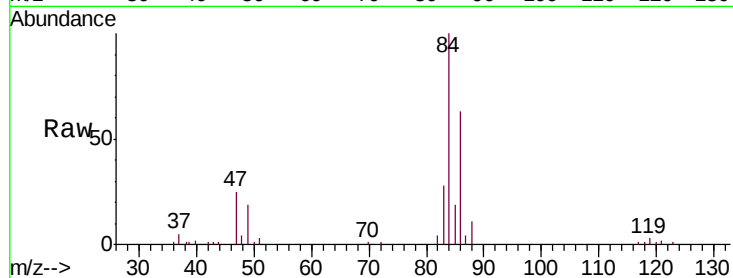




#25
Chloroform
Concen: 3.574 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

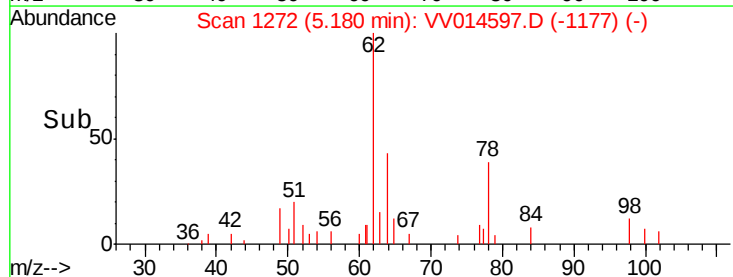
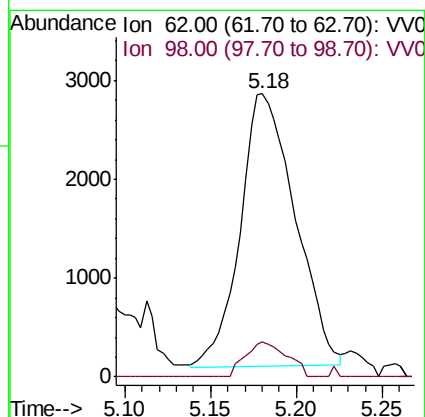
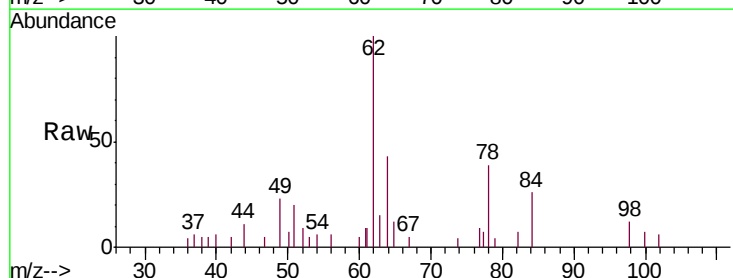
Instrument :
MSVOA_V
ClientSampled :
MDL06

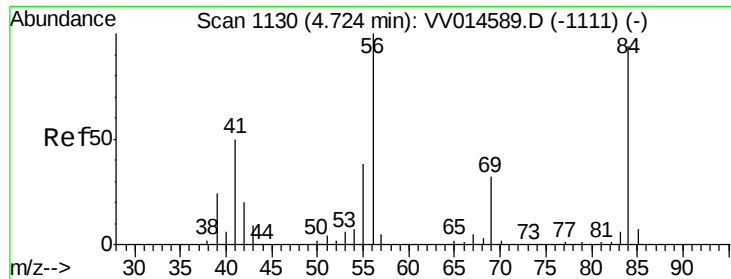
Tgt Ion: 83 Resp: 12178
Ion Ratio Lower Upper
83 100
85 67.6 45.4 84.4



#27
1,2-Dichloroethane
Concen: 2.396 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Tgt Ion: 62 Resp: 6106
Ion Ratio Lower Upper
62 100
98 12.4 8.1 12.1#

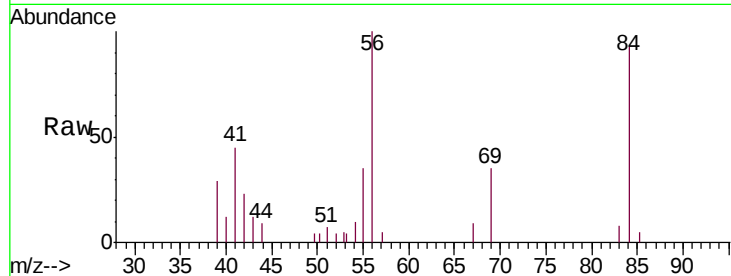




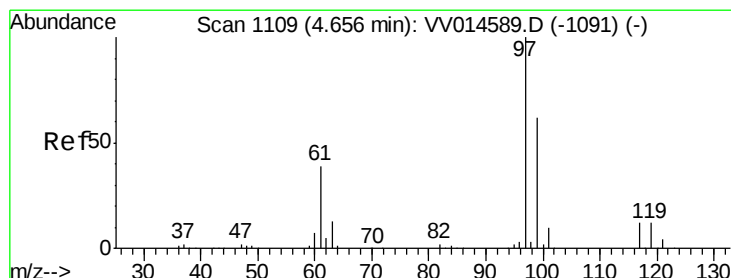
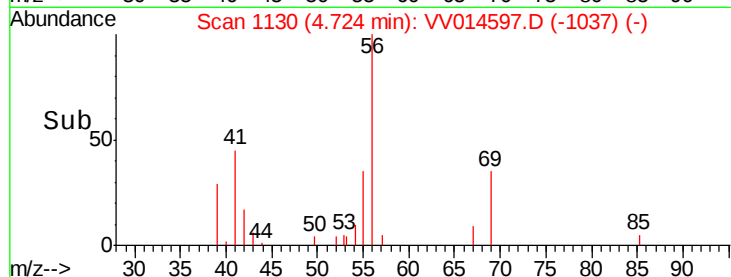
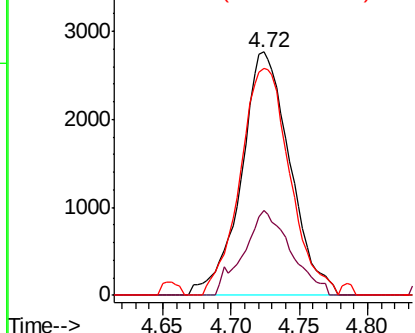
#29
Cyclohexane
Concen: 2.680 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion: 56 Resp: 6855
Ion Ratio Lower Upper
56 100
69 26.7 26.6 39.8
84 95.3 76.6 114.8

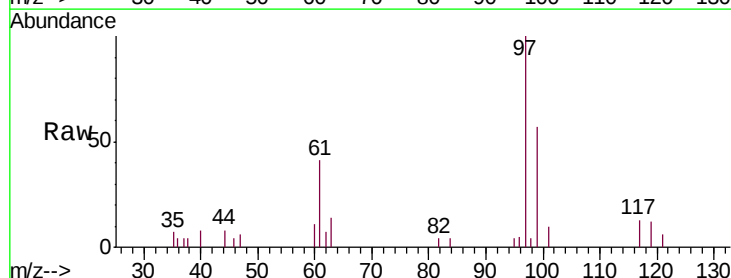


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

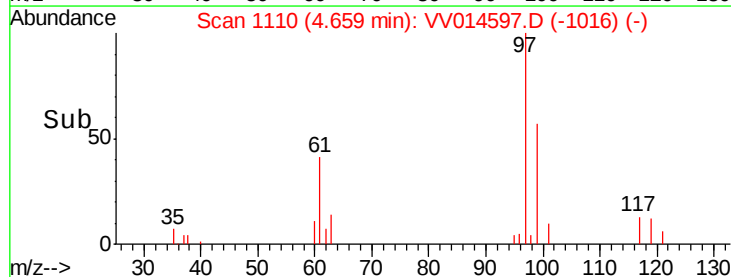
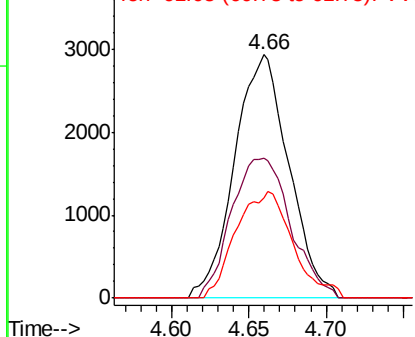


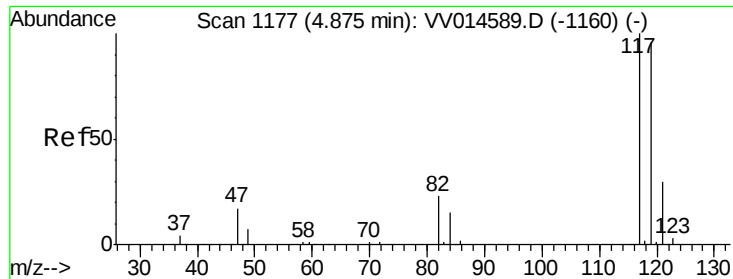
#30
1,1,1-Trichloroethane
Concen: 2.399 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Tgt Ion: 97 Resp: 7141
Ion Ratio Lower Upper
97 100
99 63.0 50.6 76.0
61 44.6 31.6 47.4



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 2.430 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

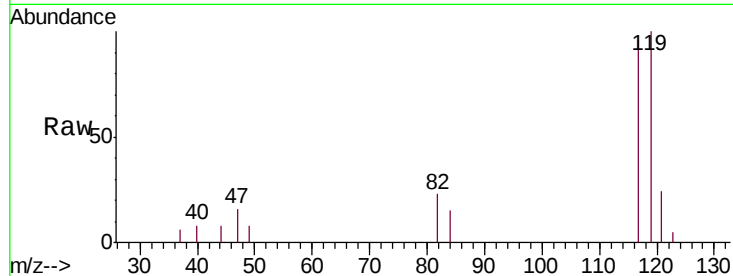
MDL06

Tgt Ion:117 Resp: 6450

Ion Ratio Lower Upper

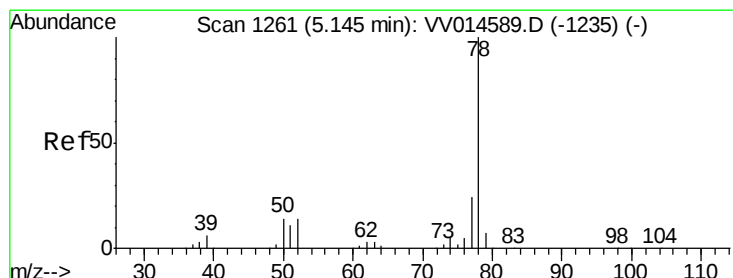
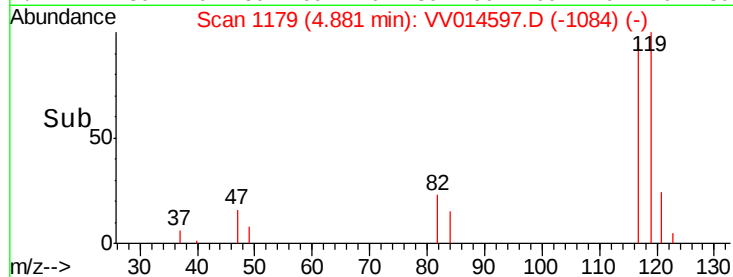
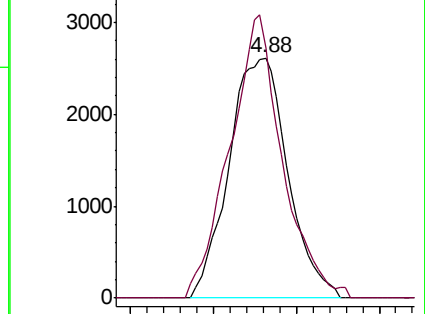
117 100

119 104.5 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.585 ug/L

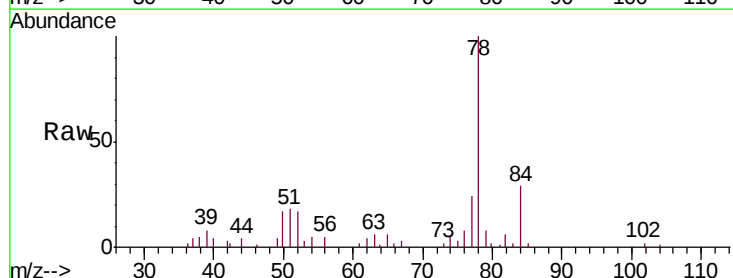
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

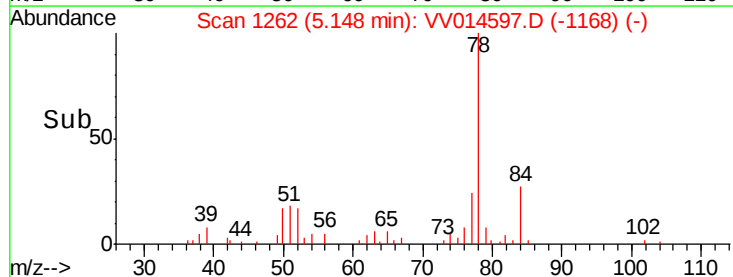
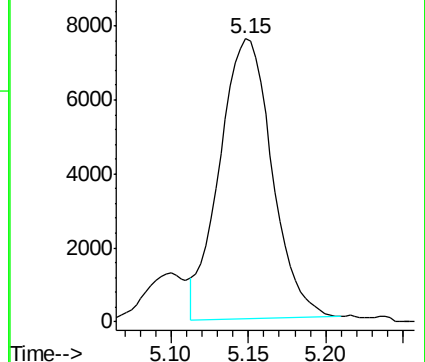
Lab File: VV014597.D

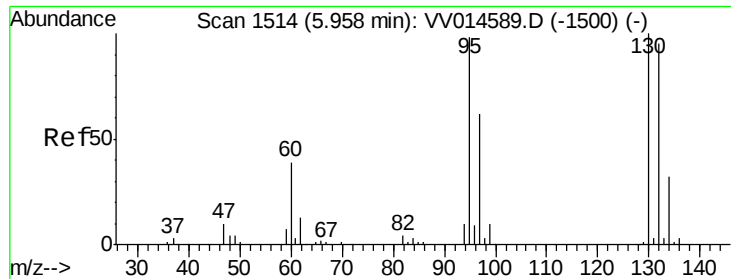
Acq: 17 Feb 2020 16:48

Tgt Ion: 78 Resp: 17796



Abundance Ion 78.00 (77.70 to 78.70): VV0

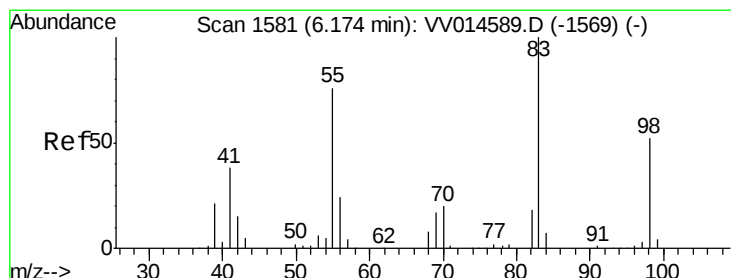
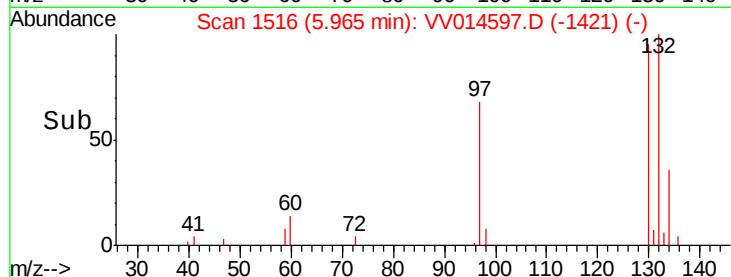
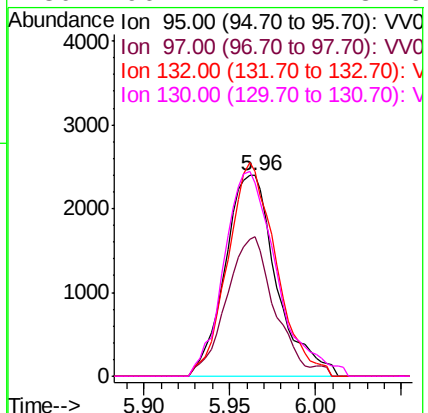
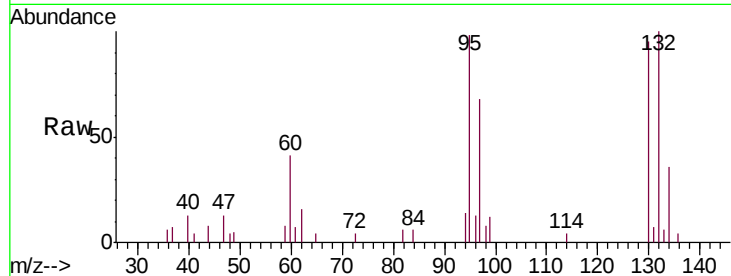




#34
 Trichloroethene
 Concen: 2.662 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.01 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

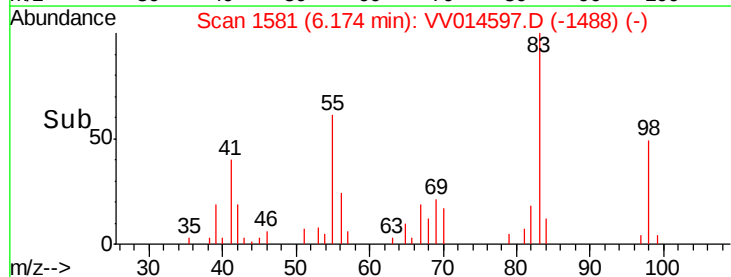
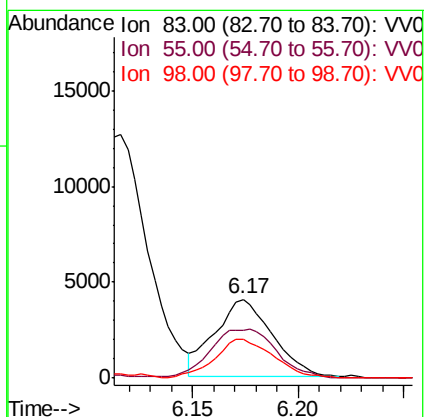
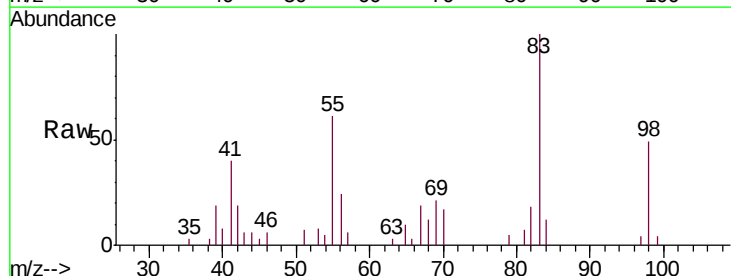
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

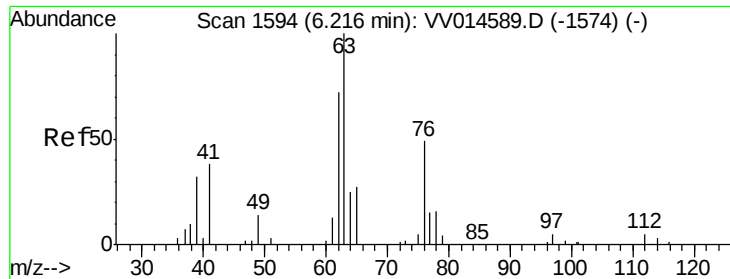
Tgt Ion: 95 Resp: 4998
 Ion Ratio Lower Upper
 95 100
 97 69.6 44.4 82.4
 132 101.8 67.8 125.8
 130 96.4 71.4 132.6



#35
 Methylcyclohexane
 Concen: 2.591 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Tgt Ion: 83 Resp: 7566
 Ion Ratio Lower Upper
 83 100
 55 0.0 57.4 86.2#
 98 52.0 40.4 60.6

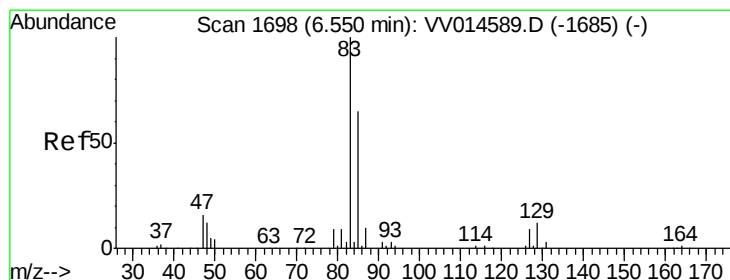
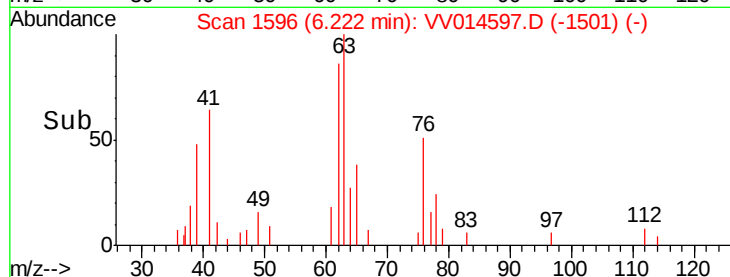
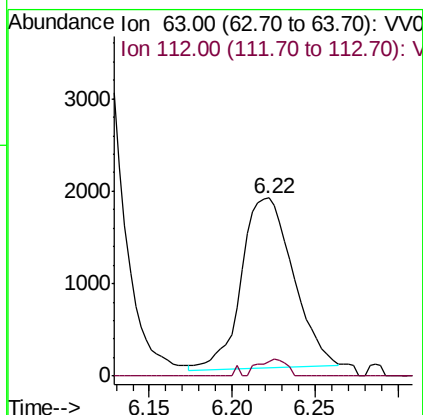
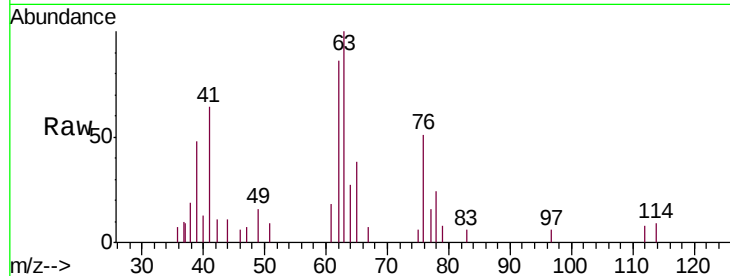




#37
 1,2-Dichloropropane
 Concen: 2.407 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.01 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

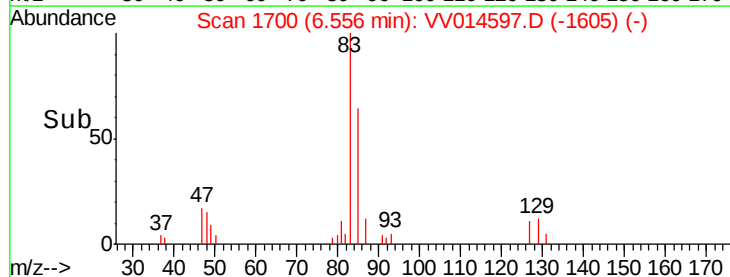
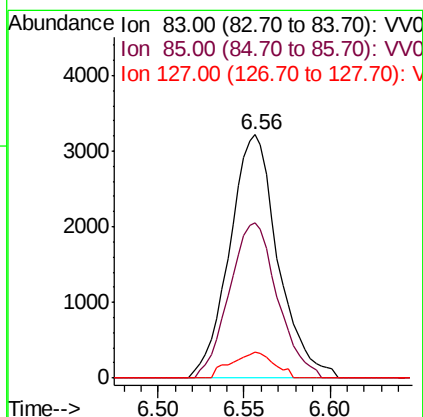
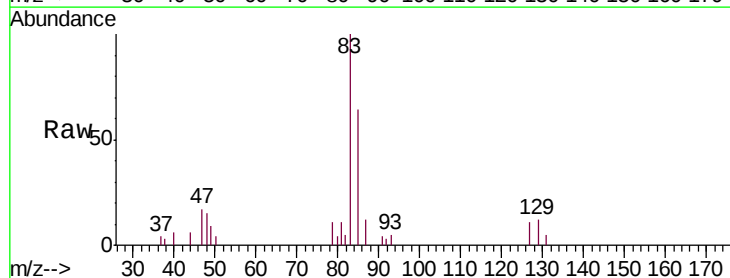
Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

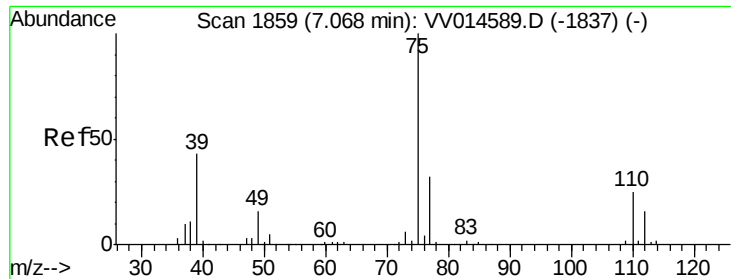
Tgt Ion: 63 Resp: 4019
 Ion Ratio Lower Upper
 63 100
 112 3.7 4.2 6.2#



#38
 Bromodichloromethane
 Concen: 2.424 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.01 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Tgt Ion: 83 Resp: 6303
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.5 84.5
 127 10.5 7.1 10.7

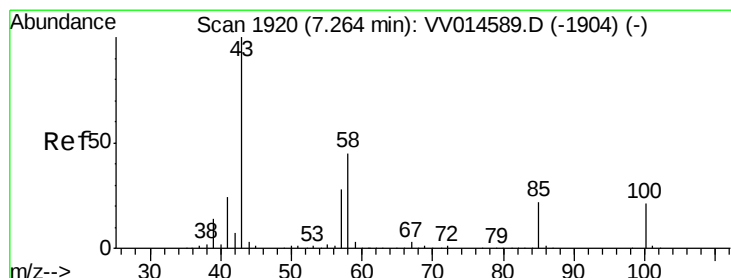
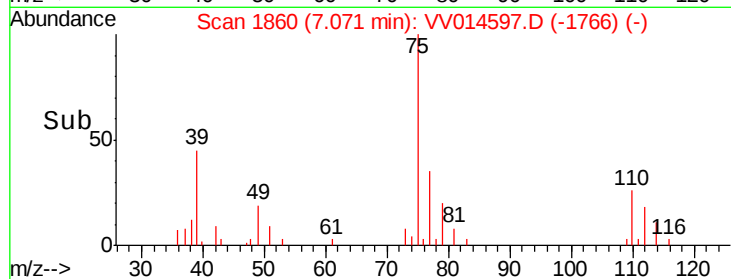
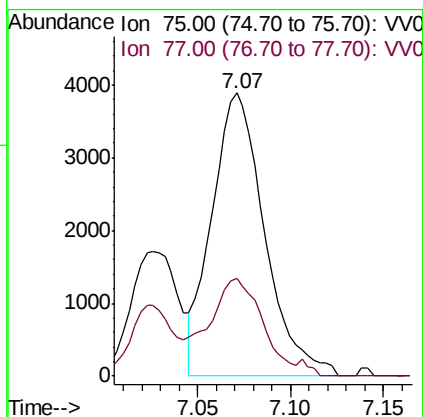
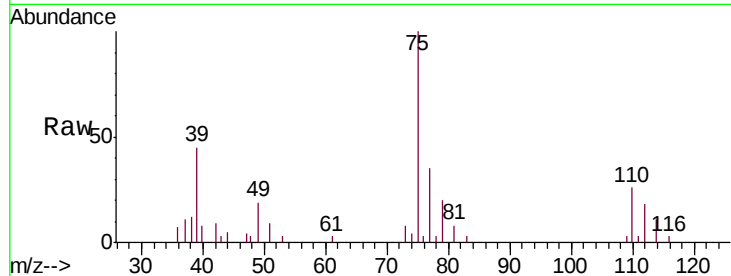




#39
 cis-1,3-Dichloropropene
 Concen: 2.600 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

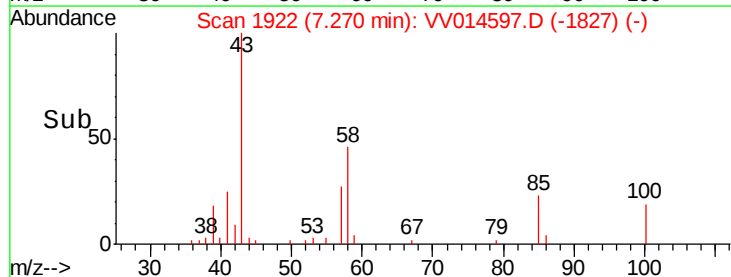
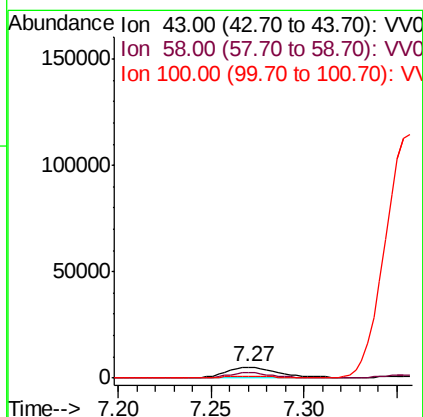
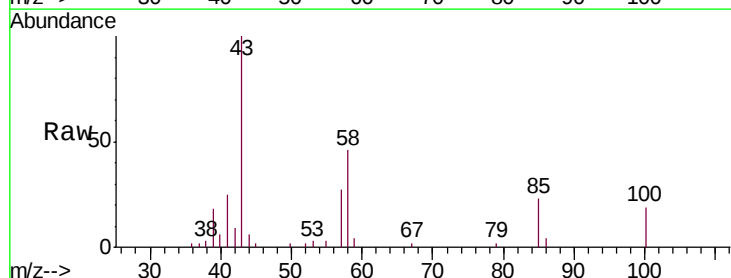
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

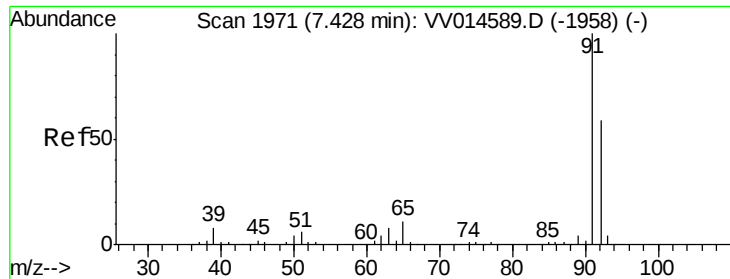
Tgt Ion: 75 Resp: 7699
 Ion Ratio Lower Upper
 75 100
 77 34.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 4.869 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Tgt Ion: 43 Resp: 10167
 Ion Ratio Lower Upper
 43 100
 58 45.6 35.6 53.4
 100 19.8 16.0 24.0





#42

Toluene

Concen: 2.705 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

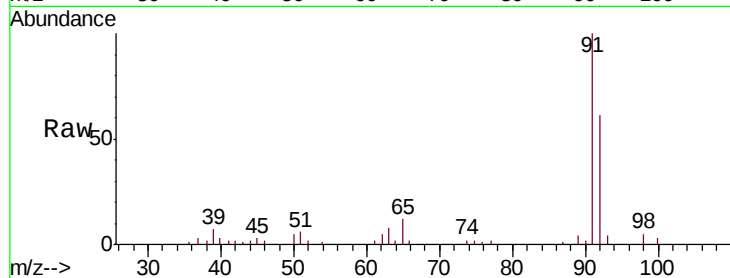
MDL06

Tgt Ion: 91 Resp: 20516

Ion Ratio Lower Upper

91 100

92 61.2 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

12000

10000

8000

6000

4000

2000

0

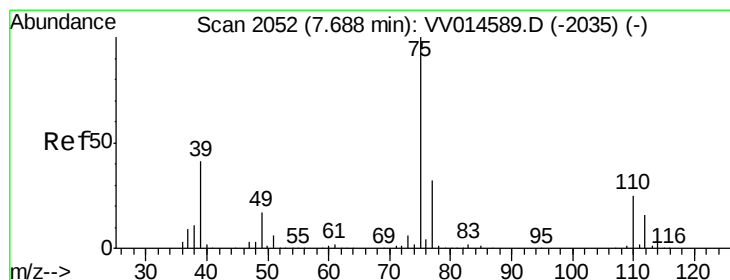
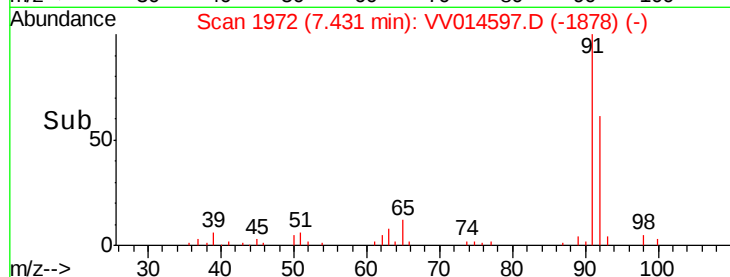
7.40

7.43

7.45

7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 2.523 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014597.D

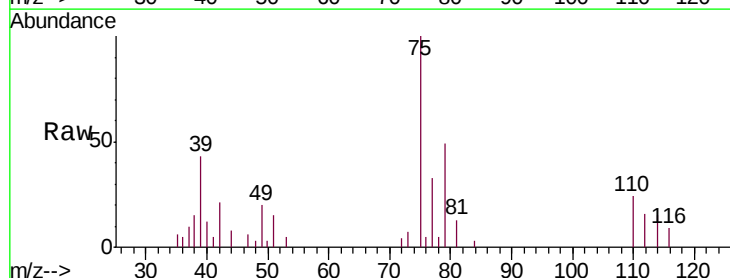
Acq: 17 Feb 2020 16:48

Tgt Ion: 75 Resp: 6960

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

4000

3000

2000

1000

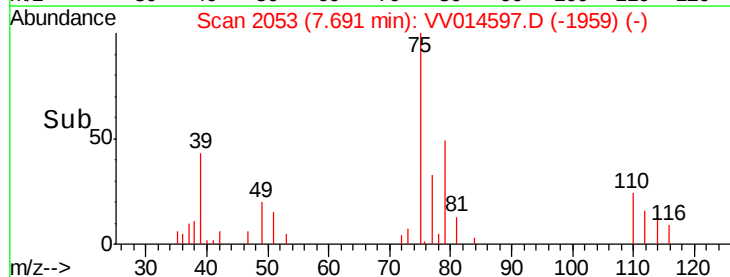
0

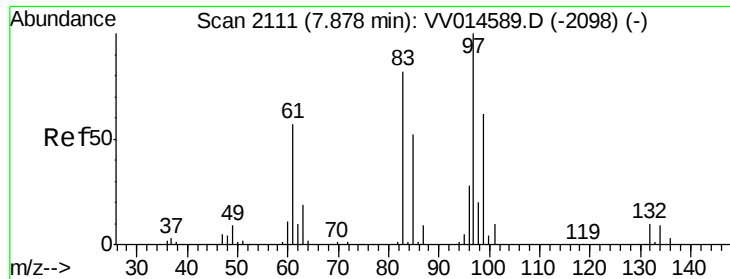
7.65

7.69

7.75

Time-->

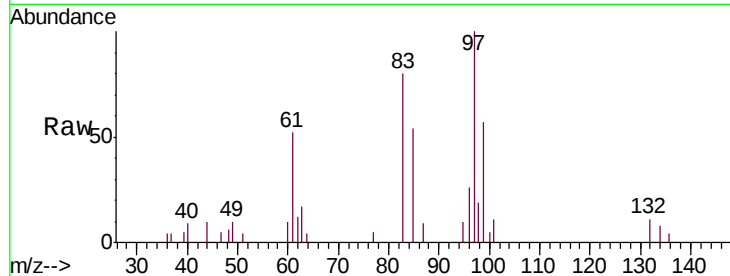




#45
 1,1,2-Trichloroethane
 Concen: 2.643 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.01 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion:	97	Resp:	4748
Ion	Ratio	Lower	Upper
97	100		
99	57.4	43.4	80.6
83	79.6	57.6	107.0
85	53.6	36.1	67.1



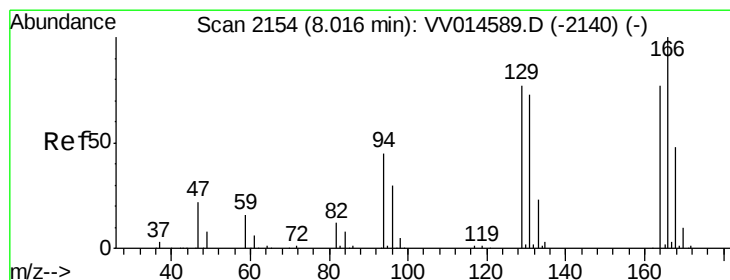
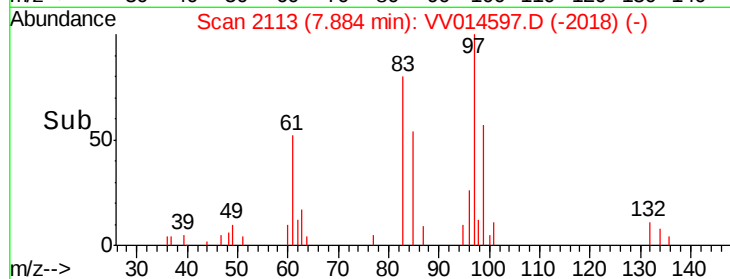
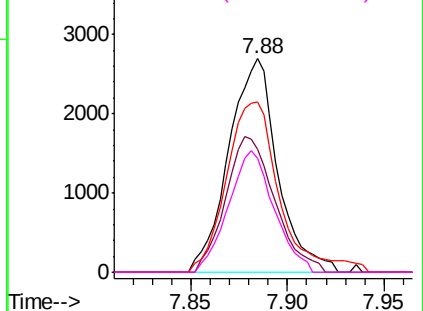
Abundance

Ion 97.00 (96.70 to 97.70): VV014597.D (-2018) (-)

Ion 99.00 (98.70 to 99.70): VV014597.D (-2018) (-)

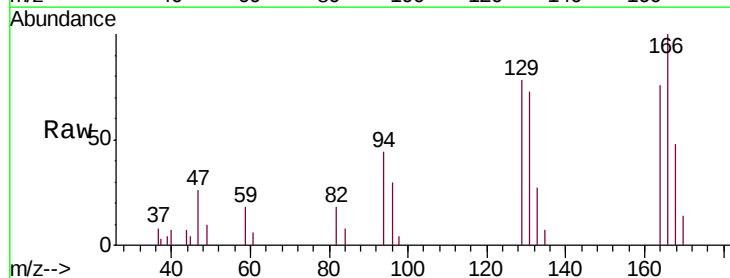
Ion 83.00 (82.70 to 83.70): VV014597.D (-2018) (-)

Ion 85.00 (84.70 to 85.70): VV014597.D (-2018) (-)



#46
 Tetrachloroethene
 Concen: 2.616 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Tgt Ion:	164	Resp:	3927
Ion	Ratio	Lower	Upper
164	100		
129	101.8	69.8	129.6
131	95.7	66.2	123.0
166	131.1	90.9	168.9



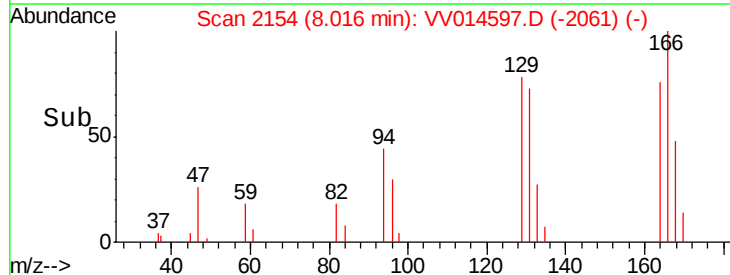
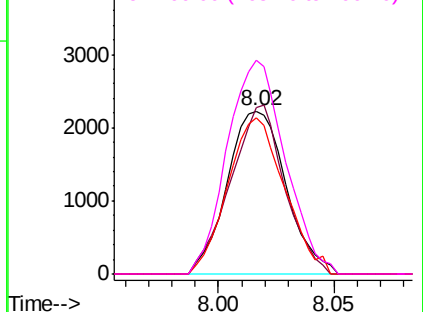
Abundance

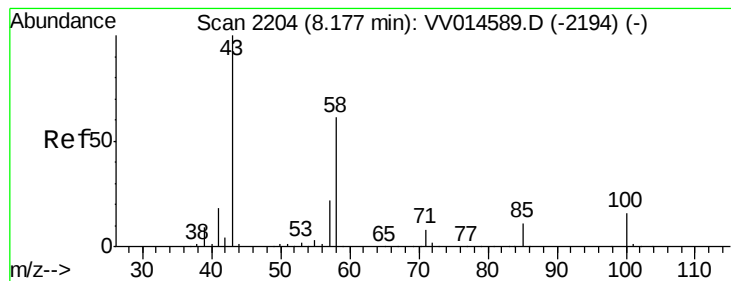
Ion 164.00 (163.70 to 164.70): VV014597.D (-2061) (-)

Ion 129.00 (128.70 to 129.70): VV014597.D (-2061) (-)

Ion 131.00 (130.70 to 131.70): VV014597.D (-2061) (-)

Ion 166.00 (165.70 to 166.70): VV014597.D (-2061) (-)





#48

2-Hexanone

Concen: 5.915 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion: 43 Resp: 9642

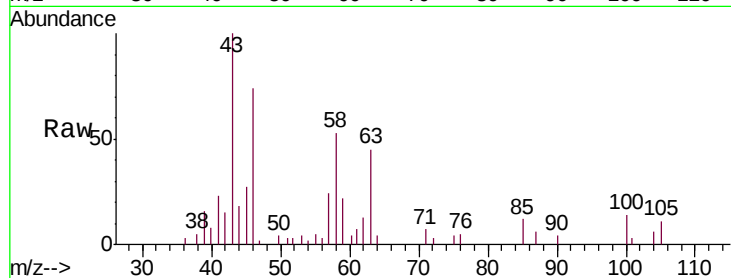
Ion Ratio Lower Upper

43 100

58 67.7 49.8 74.6

57 14.4 17.0 25.6#

100 6.8 13.4 20.2#

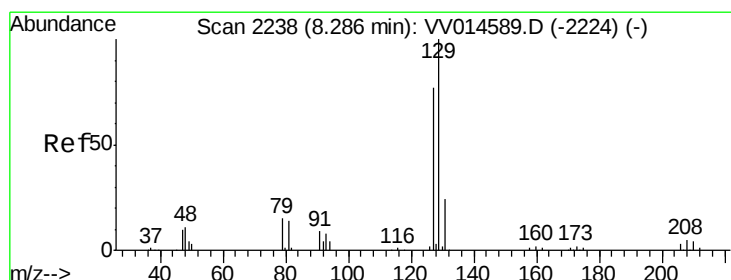
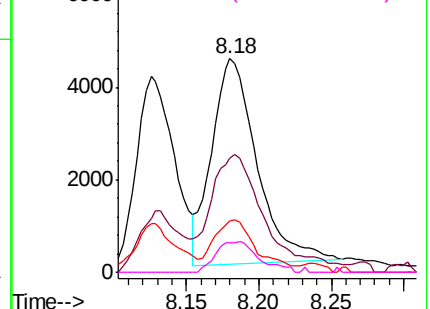
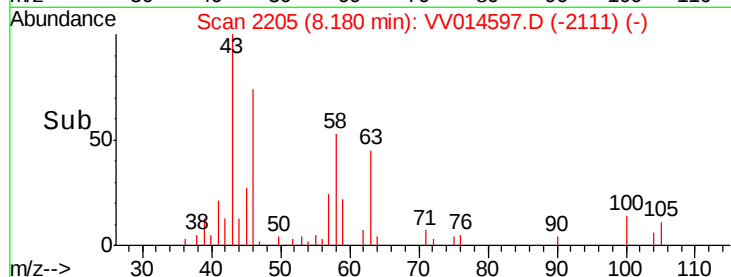


Abundance Ion 43.00 (42.70 to 43.70): VV014589.D (-2194) (-)

Ion 58.00 (57.70 to 58.70): VV014589.D (-2194) (-)

Ion 57.00 (56.70 to 57.70): VV014589.D (-2194) (-)

Ion 100.00 (99.70 to 100.70): VV014589.D (-2194) (-)



#49

Dibromochloromethane

Concen: 2.354 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VV014597.D

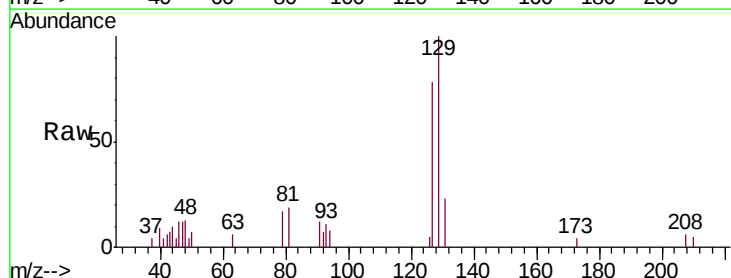
Acq: 17 Feb 2020 16:48

Tgt Ion: 129 Resp: 5123

Ion Ratio Lower Upper

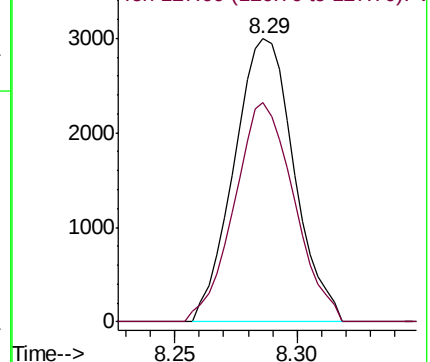
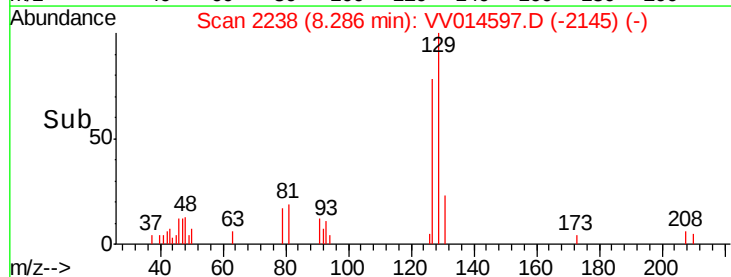
129 100

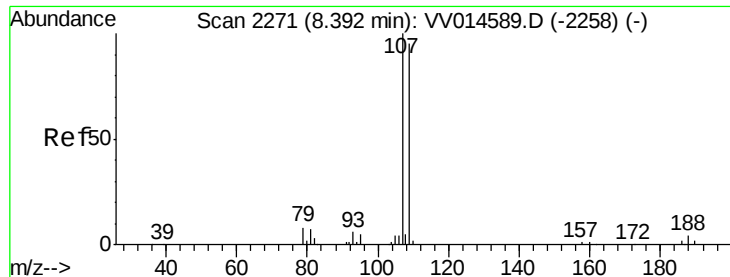
127 77.6 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): VV014589.D (-2224) (-)

Ion 127.00 (126.70 to 127.70): VV014589.D (-2224) (-)

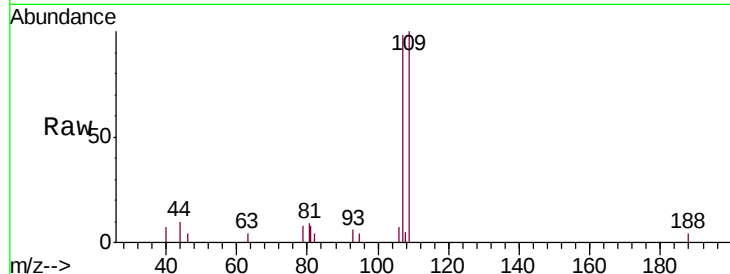




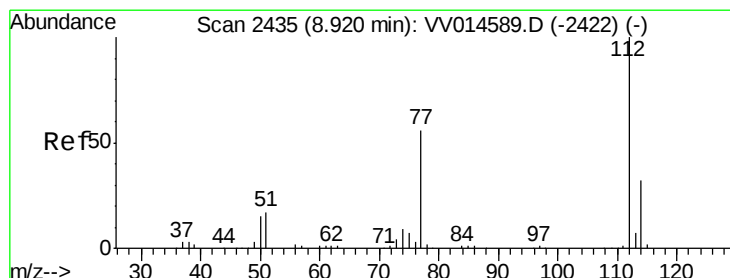
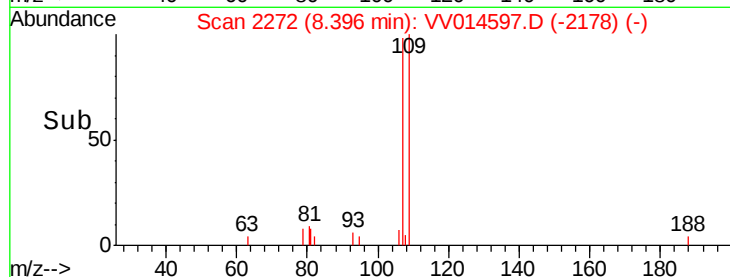
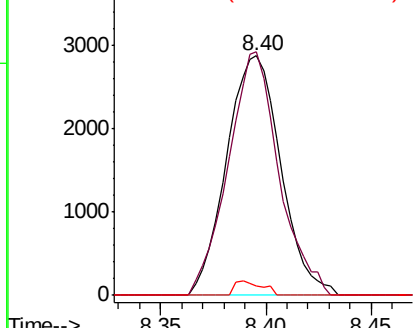
#50
1,2-Dibromoethane
Concen: 2.608 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion:107 Resp: 5149
Ion Ratio Lower Upper
107 100
109 101.7 66.5 123.5
188 3.9 3.3 4.9

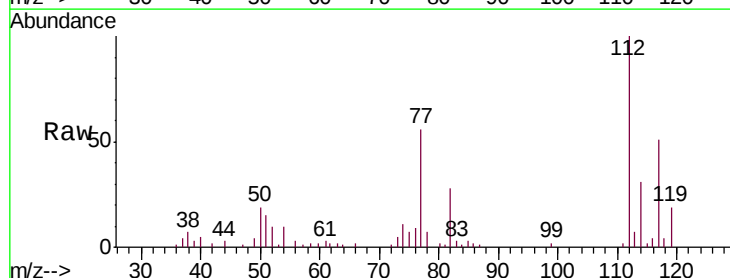


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

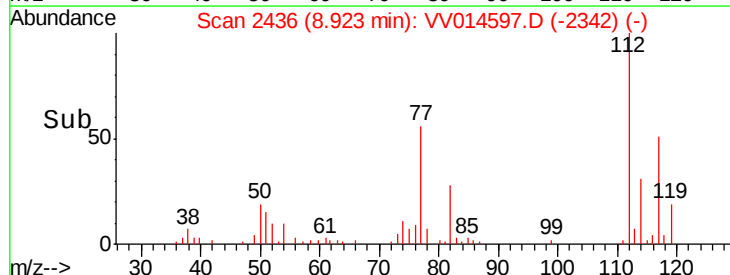
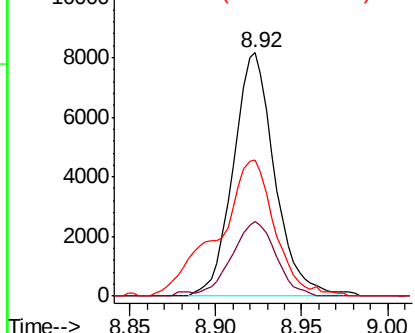


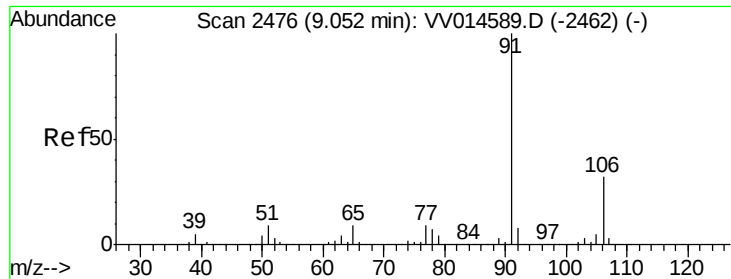
#51
Chlorobenzene
Concen: 2.668 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Tgt Ion:112 Resp: 13685
Ion Ratio Lower Upper
112 100
114 30.5 22.4 41.6
77 55.7 45.5 68.3



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 2.533 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

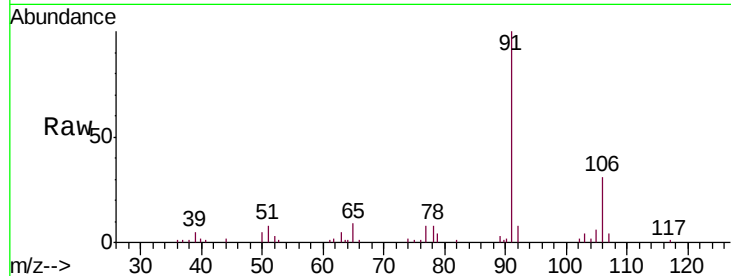
MDL06

Tgt Ion: 91 Resp: 22078

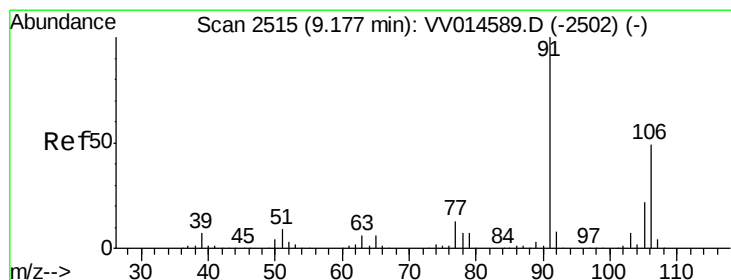
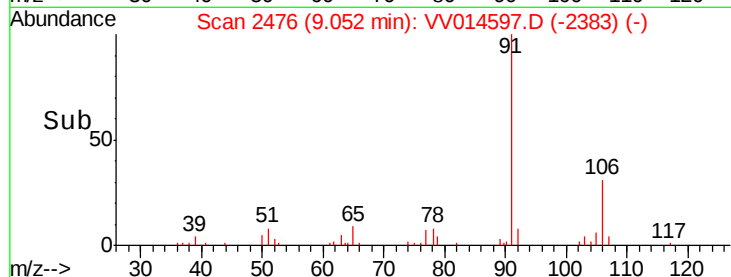
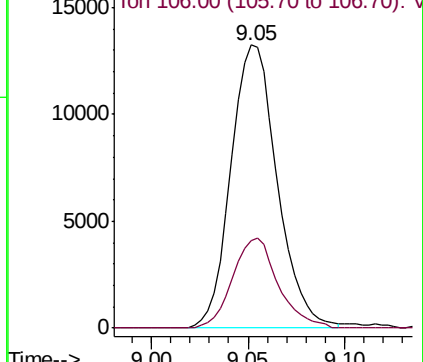
Ion Ratio Lower Upper

91 100

106 30.9 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VV014589.D (-2462) (-)



#53

m,p-Xylene

Concen: 2.625 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014597.D

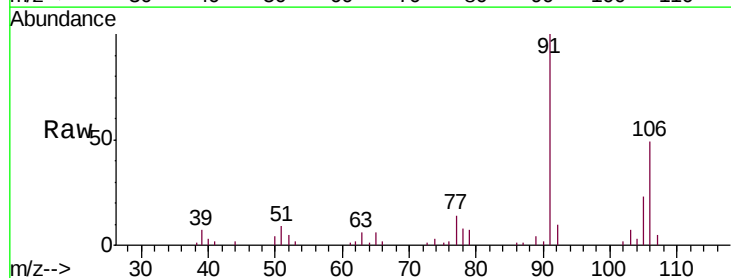
Acq: 17 Feb 2020 16:48

Tgt Ion: 106 Resp: 8853

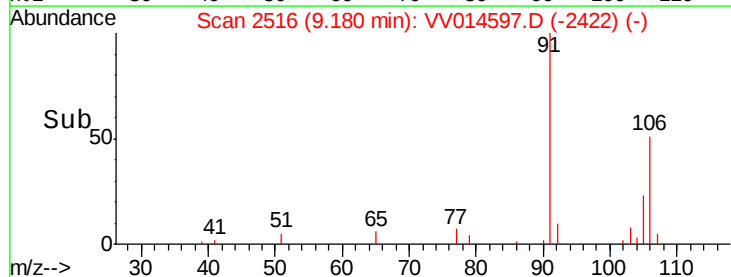
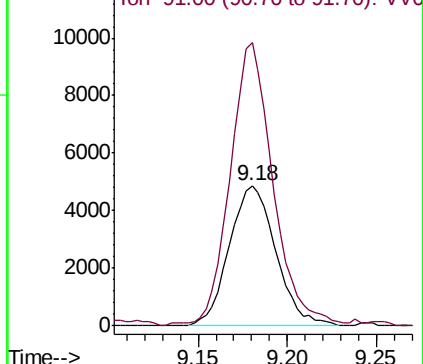
Ion Ratio Lower Upper

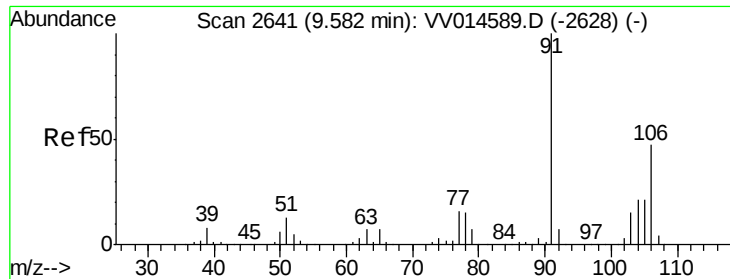
106 100

91 202.0 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): VV014589.D (-2502) (-)

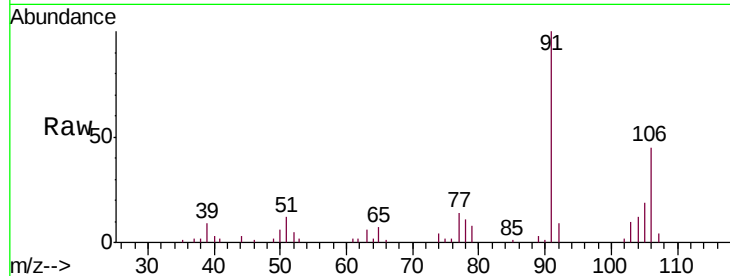




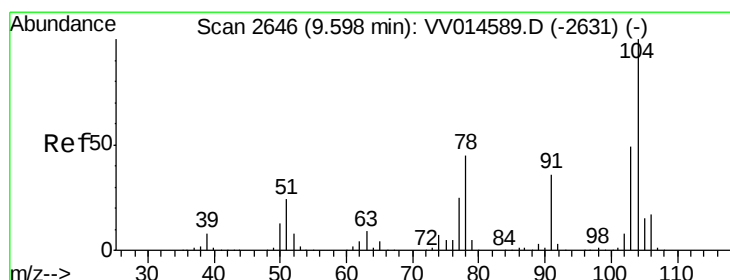
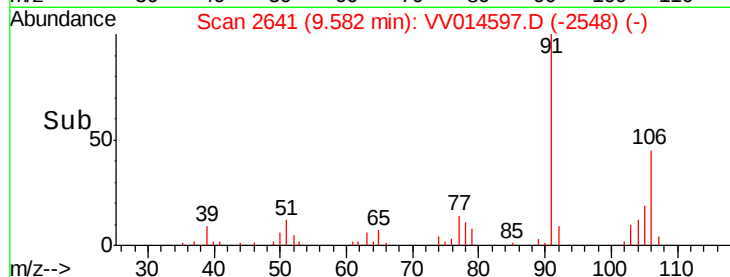
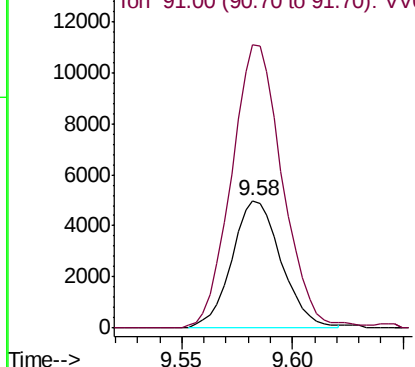
#54
o-Xylene
Concen: 2.391 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion:106 Resp: 7766
Ion Ratio Lower Upper
106 100
91 222.4 150.5 279.5

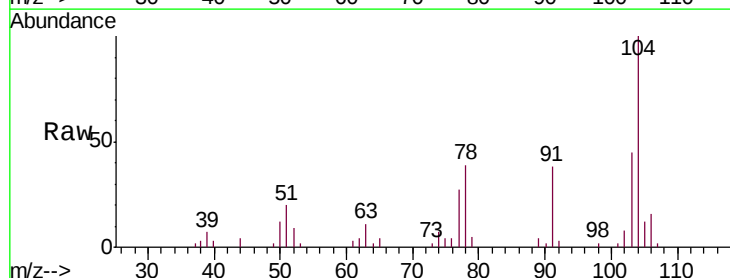


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

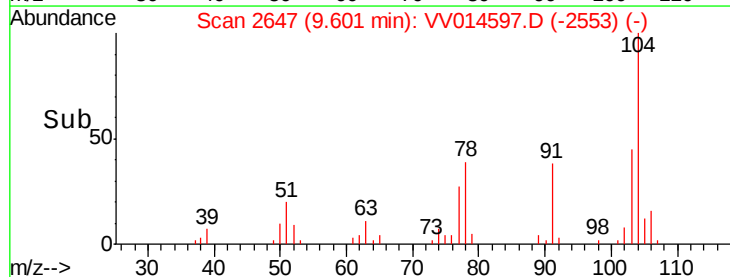
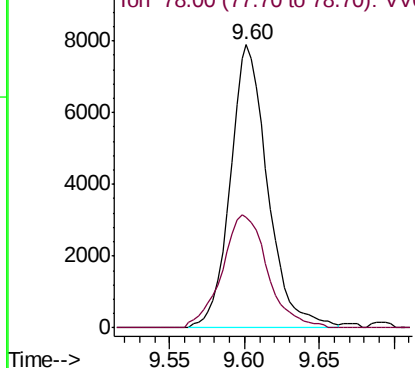


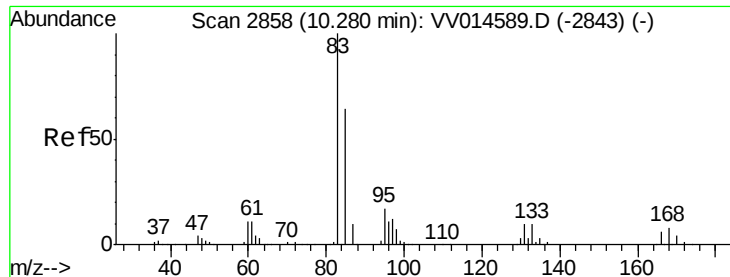
#55
Styrene
Concen: 2.481 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Tgt Ion:104 Resp: 13720
Ion Ratio Lower Upper
104 100
78 39.3 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

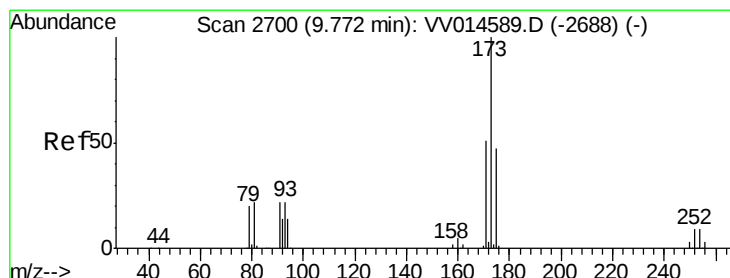
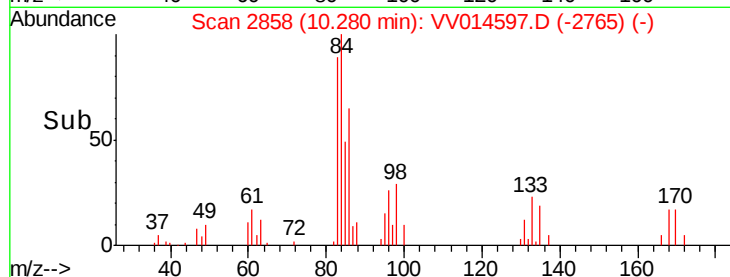
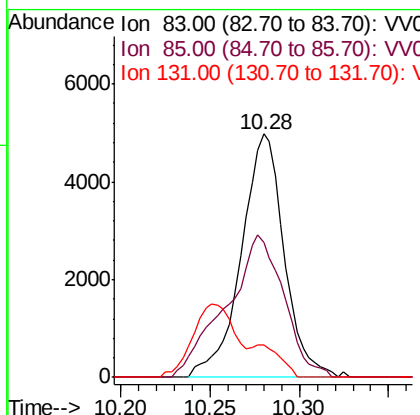
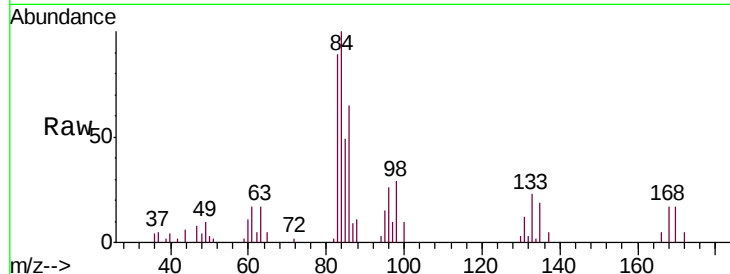




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.912 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. -0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

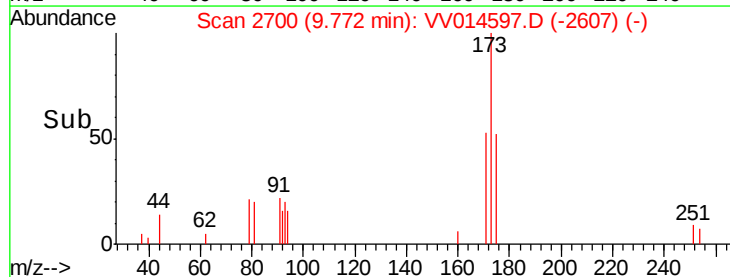
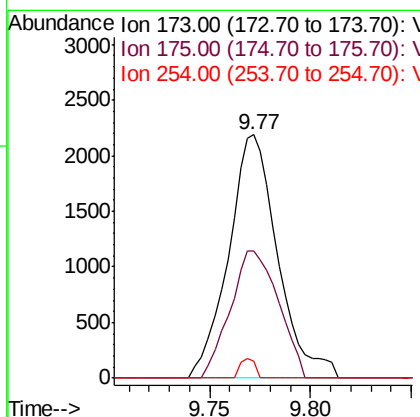
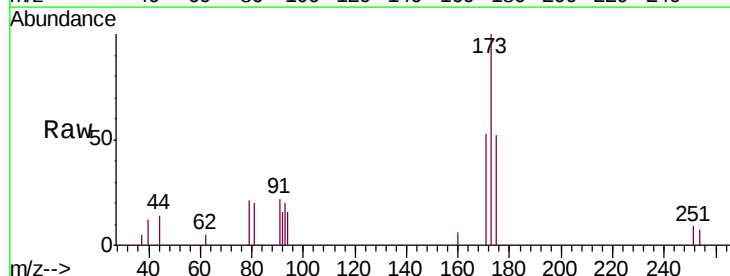
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

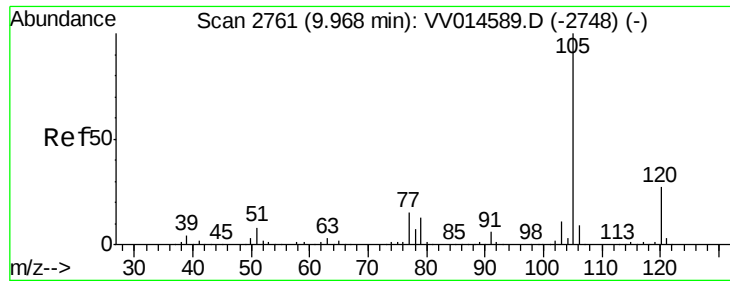
Tgt Ion: 83 Resp: 8326
 Ion Ratio Lower Upper
 83 100
 85 55.2 44.9 83.3
 131 16.3 8.4 12.6#



#59
 Bromoform
 Concen: 2.547 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Tgt Ion: 173 Resp: 3723
 Ion Ratio Lower Upper
 173 100
 175 51.2 38.5 57.7
 254 2.5 7.4 11.0#





#60

Isopropylbenzene

Concen: 2.571 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

MDL06

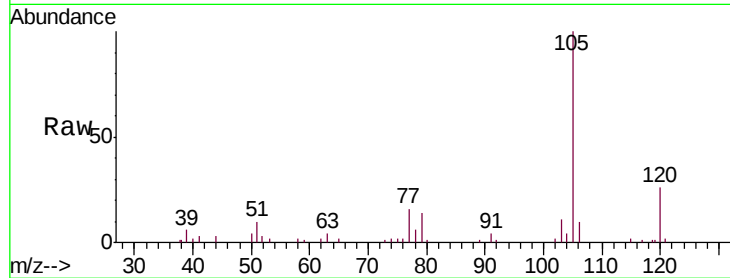
Tgt Ion: 105 Resp: 21131

Ion Ratio Lower Upper

105 100

120 27.3 21.4 32.0

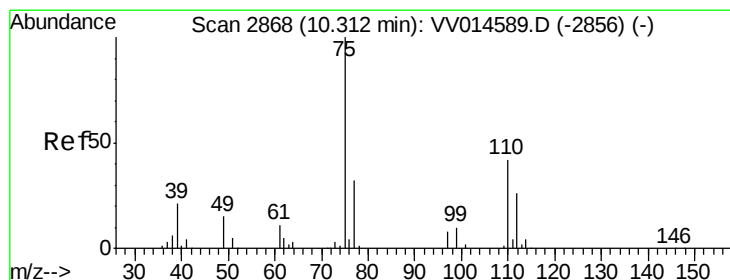
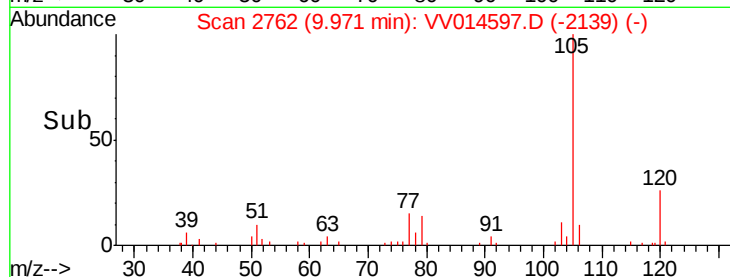
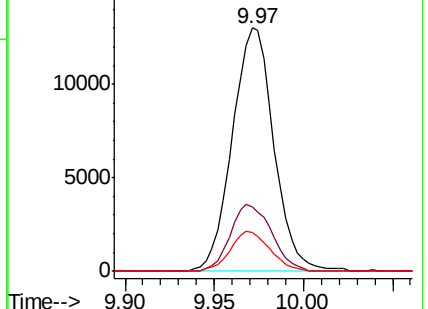
77 15.7 12.2 18.2



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



#61

1,2,3-Trichloropropane

Concen: 2.878 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

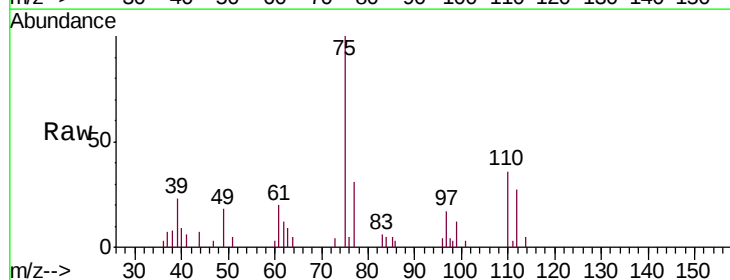
Tgt Ion: 75 Resp: 6211

Ion Ratio Lower Upper

75 100

77 33.2 25.6 38.4

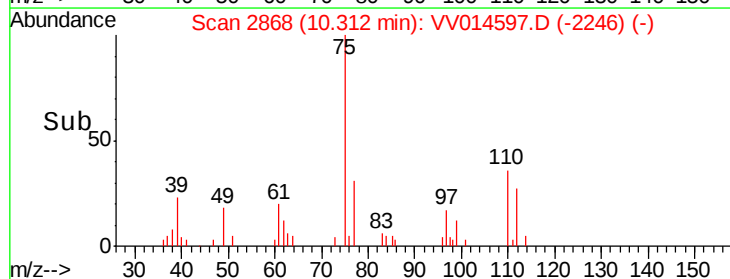
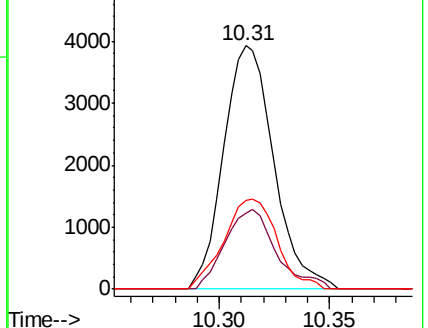
110 39.3 33.4 50.0

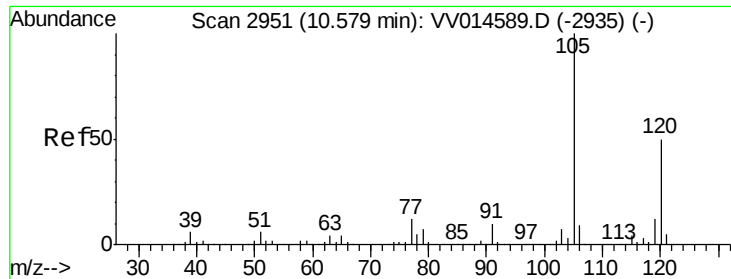


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 2.408 ug/L

RT: 10.58 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

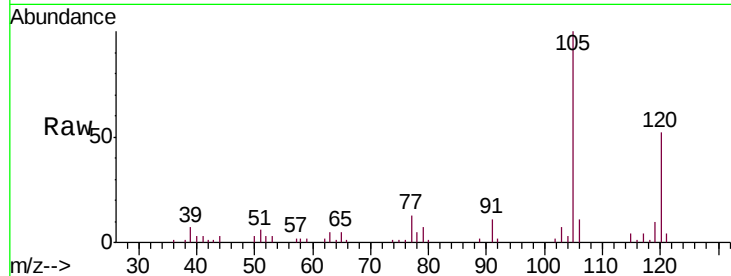
MDL06

Tgt Ion:105 Resp: 16910

Ion Ratio Lower Upper

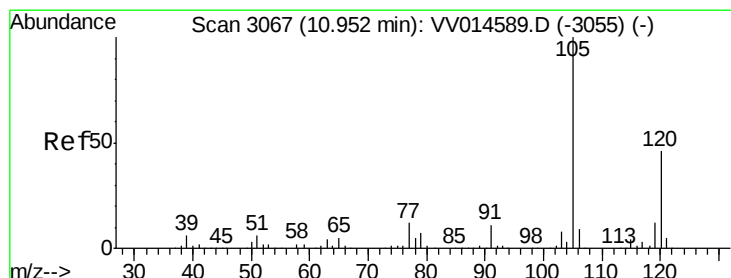
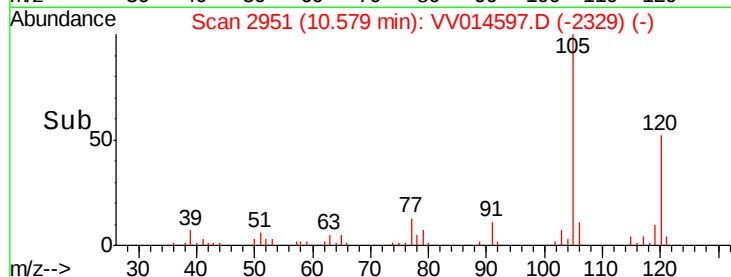
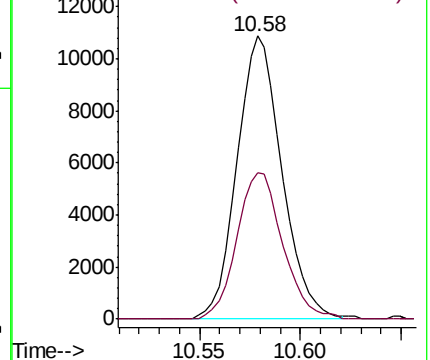
105 100

120 52.9 39.8 59.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 2.445 ug/L

RT: 10.95 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VV014597.D

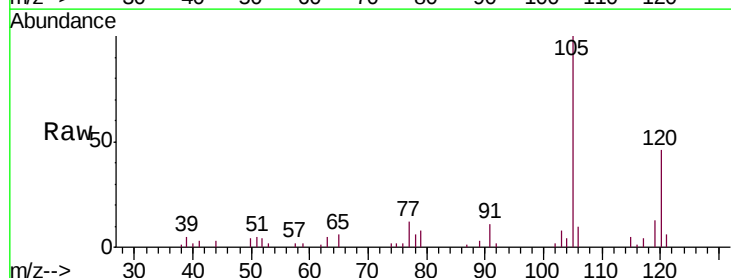
Acq: 17 Feb 2020 16:48

Tgt Ion:105 Resp: 16771

Ion Ratio Lower Upper

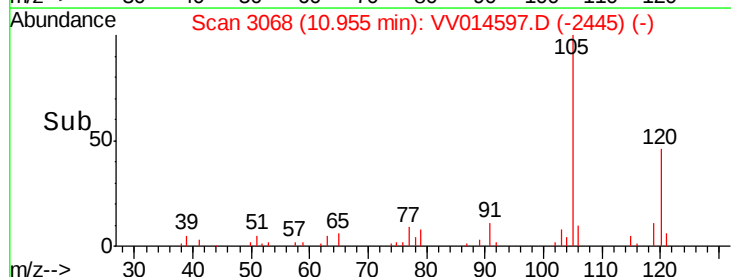
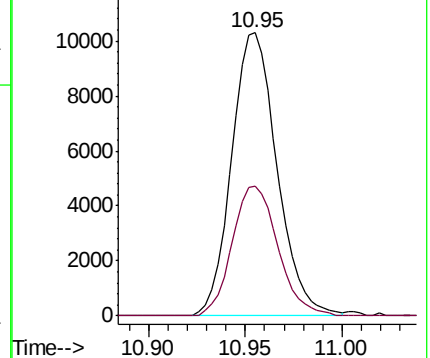
105 100

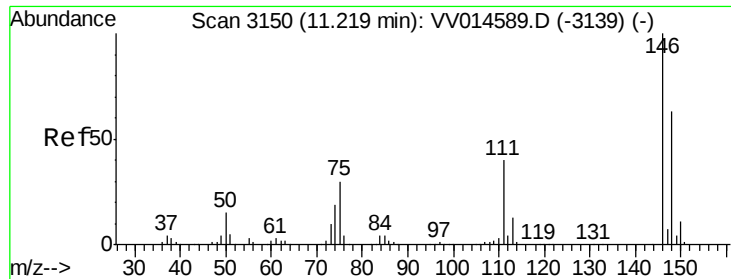
120 46.1 36.6 55.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

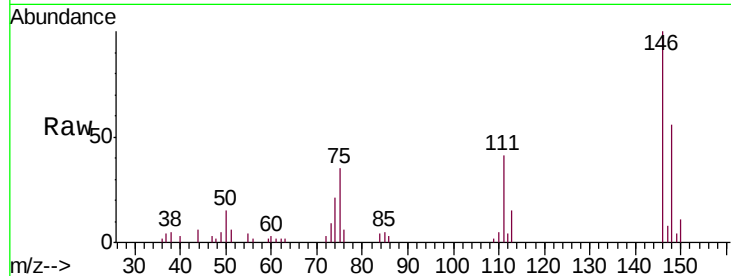




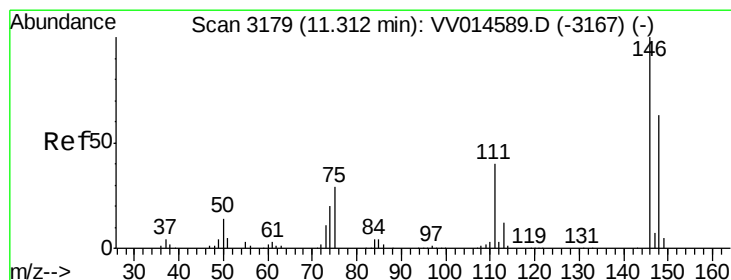
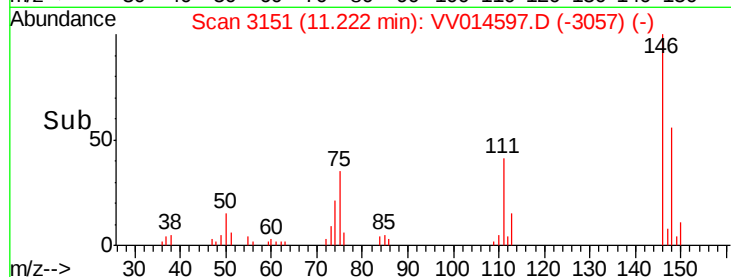
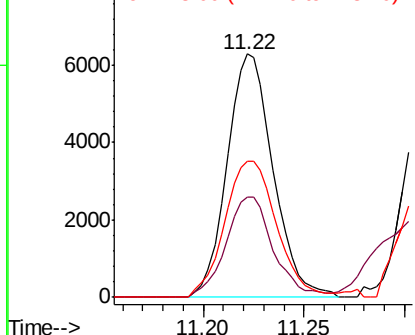
#64
 1,3-Dichlorobenzene
 Concen: 2.547 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion:146 Resp: 10032
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.3 52.5
 148 55.9 44.0 81.8

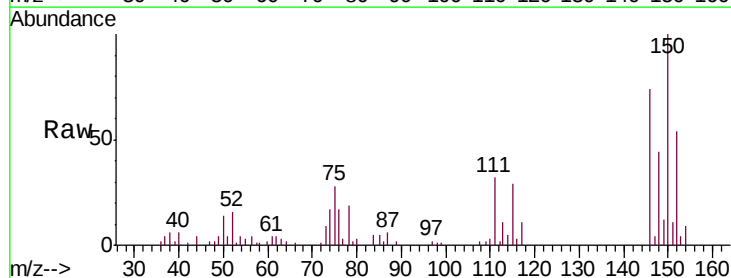


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

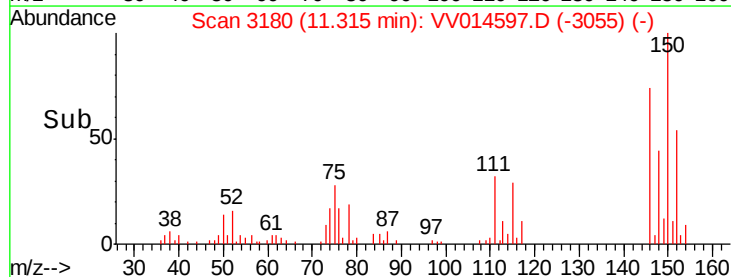
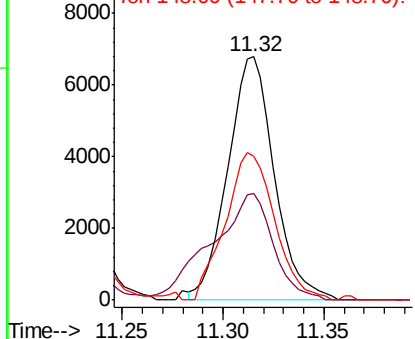


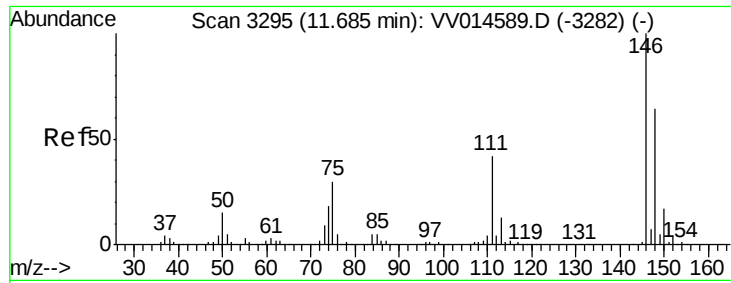
#65
 1,4-Dichlorobenzene
 Concen: 2.718 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Tgt Ion:146 Resp: 10970
 Ion Ratio Lower Upper
 146 100
 111 43.8 27.9 51.9
 148 59.0 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

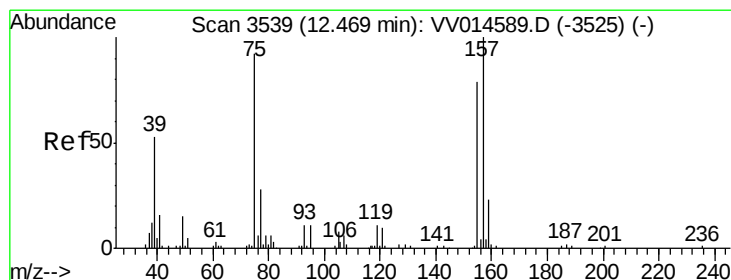
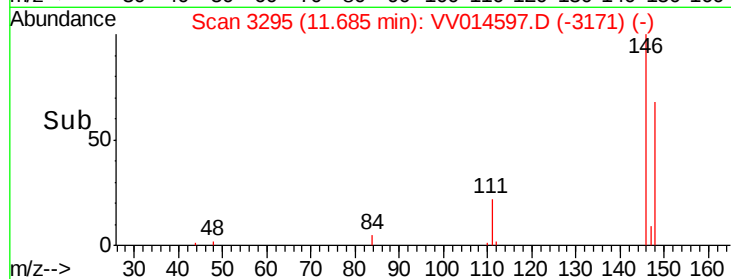
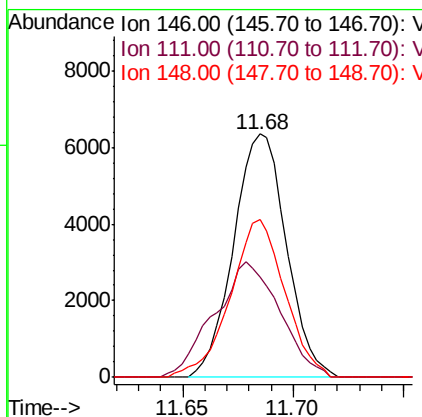
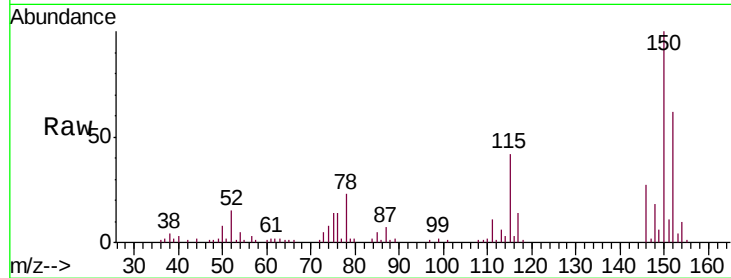




#67
 1,2-Dichlorobenzene
 Concen: 2.721 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

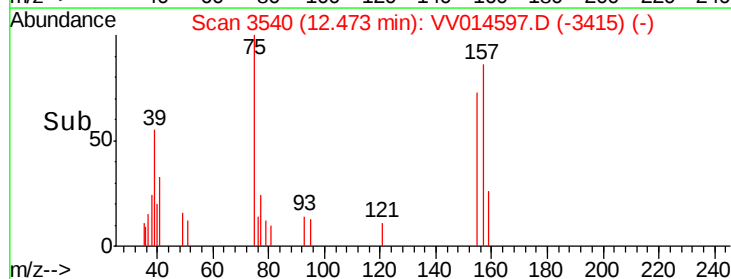
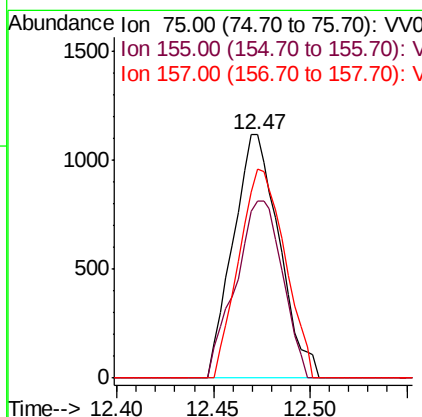
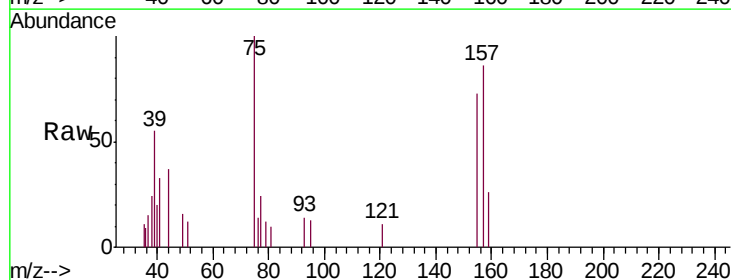
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

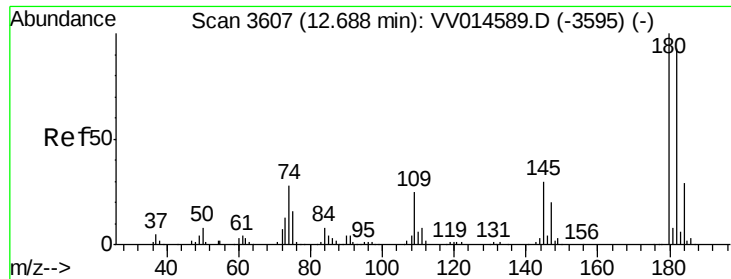
Tgt Ion: 146 Resp: 10549
 Ion Ratio Lower Upper
 146 100
 111 41.1 34.1 51.1
 148 64.8 51.1 76.7



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.848 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Tgt Ion: 75 Resp: 1847
 Ion Ratio Lower Upper
 75 100
 155 72.8 69.4 104.0
 157 85.7 87.4 131.0#

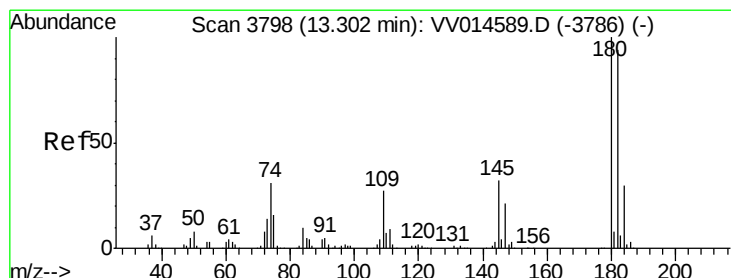
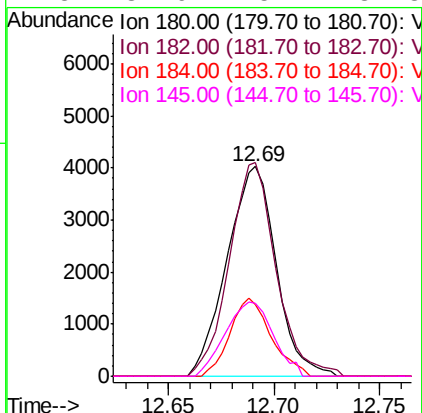
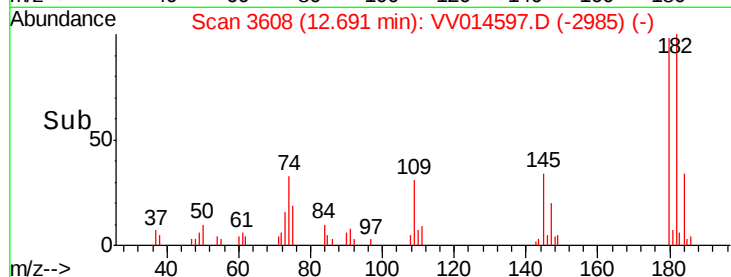
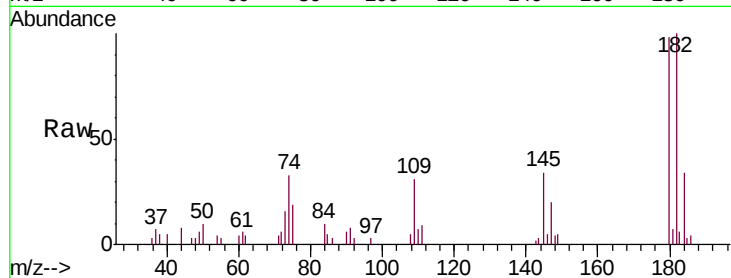




#69
 1,3,5-Trichlorobenzene
 Concen: 2.295 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

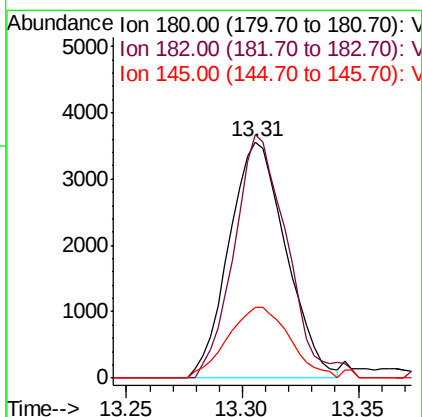
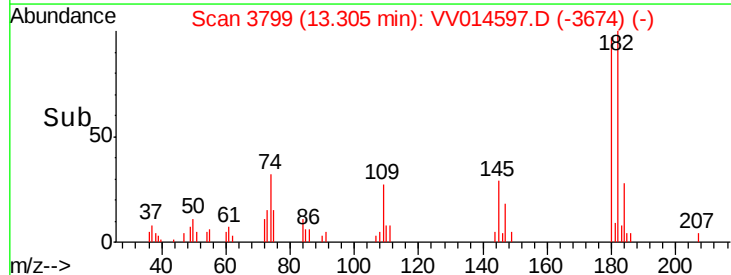
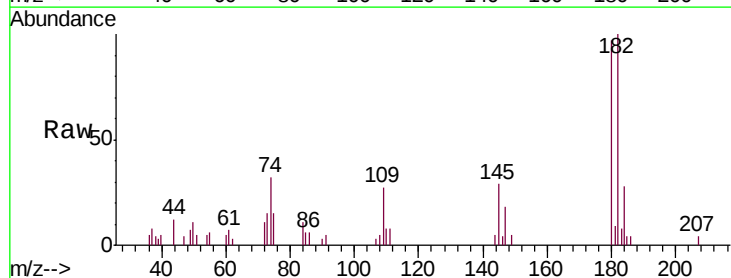
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

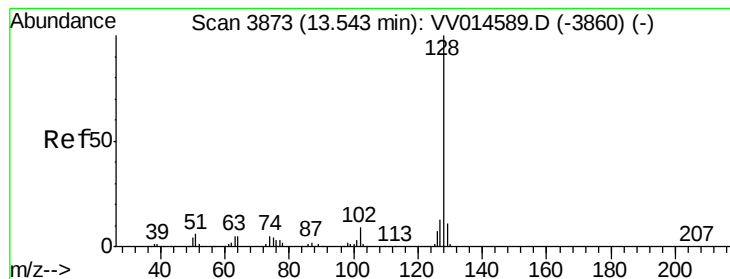
Tgt Ion:180 Resp: 6533
 Ion Ratio Lower Upper
 180 100
 182 96.8 75.6 113.4
 184 31.2 23.4 35.2
 145 34.6 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 2.367 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Tgt Ion:180 Resp: 6090
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.8 113.6
 145 32.5 25.5 38.3





#71

Naphthalene

Concen: 2.333 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.01 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampled :

MDL06

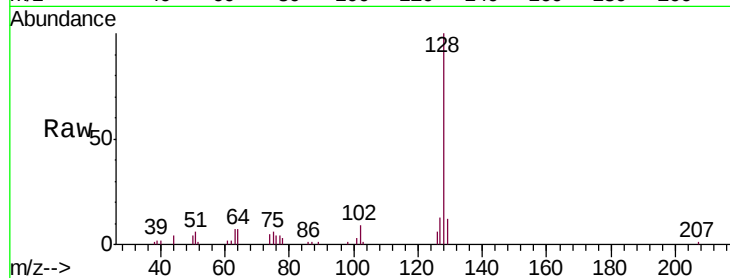
Tgt Ion:128 Resp: 18376

Ion Ratio Lower Upper

128 100

127 12.1 10.3 15.5

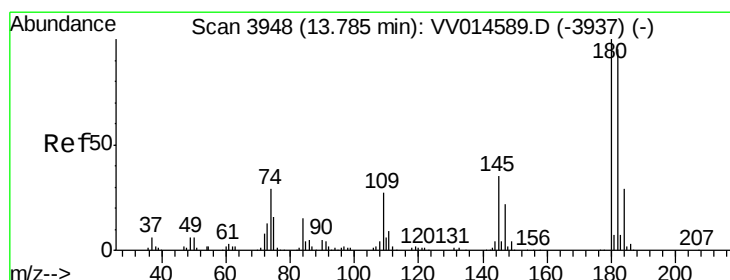
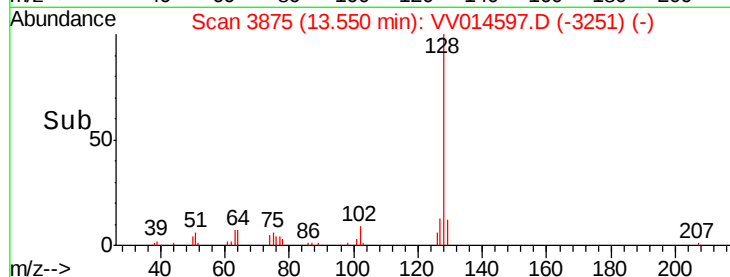
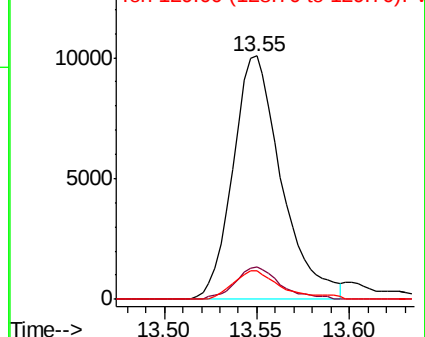
129 11.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 2.358 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

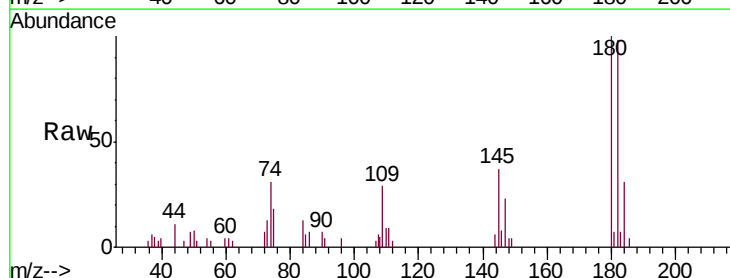
Tgt Ion:180 Resp: 5922

Ion Ratio Lower Upper

180 100

182 96.7 76.0 114.0

145 36.4 27.7 41.5



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

