

Data File : VV014537.D
Acq On : 07 Feb 2020 14:32
Operator : SY/MD
Sample : MDL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Quant Time: Feb 08 00:06:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 08 00:03:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	343289	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	318273	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	161917	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	79914	42.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.86%
7) Chloroethane-d5	1.59	69	56495	44.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.08%
11) 1,1-Dichloroethene-d2	2.13	63	98926	34.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.98%
21) 2-Butanone-d5	3.92	46	139503	97.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.08%
24) Chloroform-d	4.40	84	202125	47.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.28%
26) 1,2-Dichloroethane-d4	5.08	65	130252	50.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.60%
32) Benzene-d6	5.10	84	435471	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.82%
36) 1,2-Dichloropropane-d6	6.11	67	130805	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.80%
41) Toluene-d8	7.36	98	410856	50.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.26%
43) trans-1,3-Dichloropropene-	7.66	79	71033	49.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.04%
47) 2-Hexanone-d5	8.13	63	118543	103.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.11%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	178979	51.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.00%
66) 1,2-Dichlorobenzene-d4	11.67	152	157858	50.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.66%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	6921	2.517 ug/L	100
3) Chloromethane	1.26	50	6605	2.372 ug/L	97
5) Vinyl chloride	1.33	62	5012	2.350 ug/L #	67
6) Bromomethane	1.54	94	2147	2.189 ug/L	91
8) Chloroethane	1.60	64	2540	2.397 ug/L	88
9) Trichlorofluoromethane	1.77	101	7175	2.498 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3970	2.878 ug/L #	83
12) 1,1-Dichloroethene	2.14	96	3475	2.634 ug/L #	1
13) Acetone	2.19	43	6269	5.210 ug/L	92
14) Carbon disulfide	2.32	76	14609	2.280 ug/L	99
15) Methyl Acetate	2.46	43	4295	1.856 ug/L	92
16) Methylene chloride	2.54	84	6519	2.602 ug/L	94
17) trans-1,2-Dichloroethene	2.80	96	5499	2.366 ug/L	94
18) Methyl tert-butyl Ether	2.80	73	17431	2.368 ug/L	97
19) 1,1-Dichloroethane	3.23	63	9942	2.392 ug/L	96
20) cis-1,2-Dichloroethene	3.96	96	2680	1.024 ug/L	99
23) Bromochloromethane	4.31	128	2969	2.397 ug/L	94

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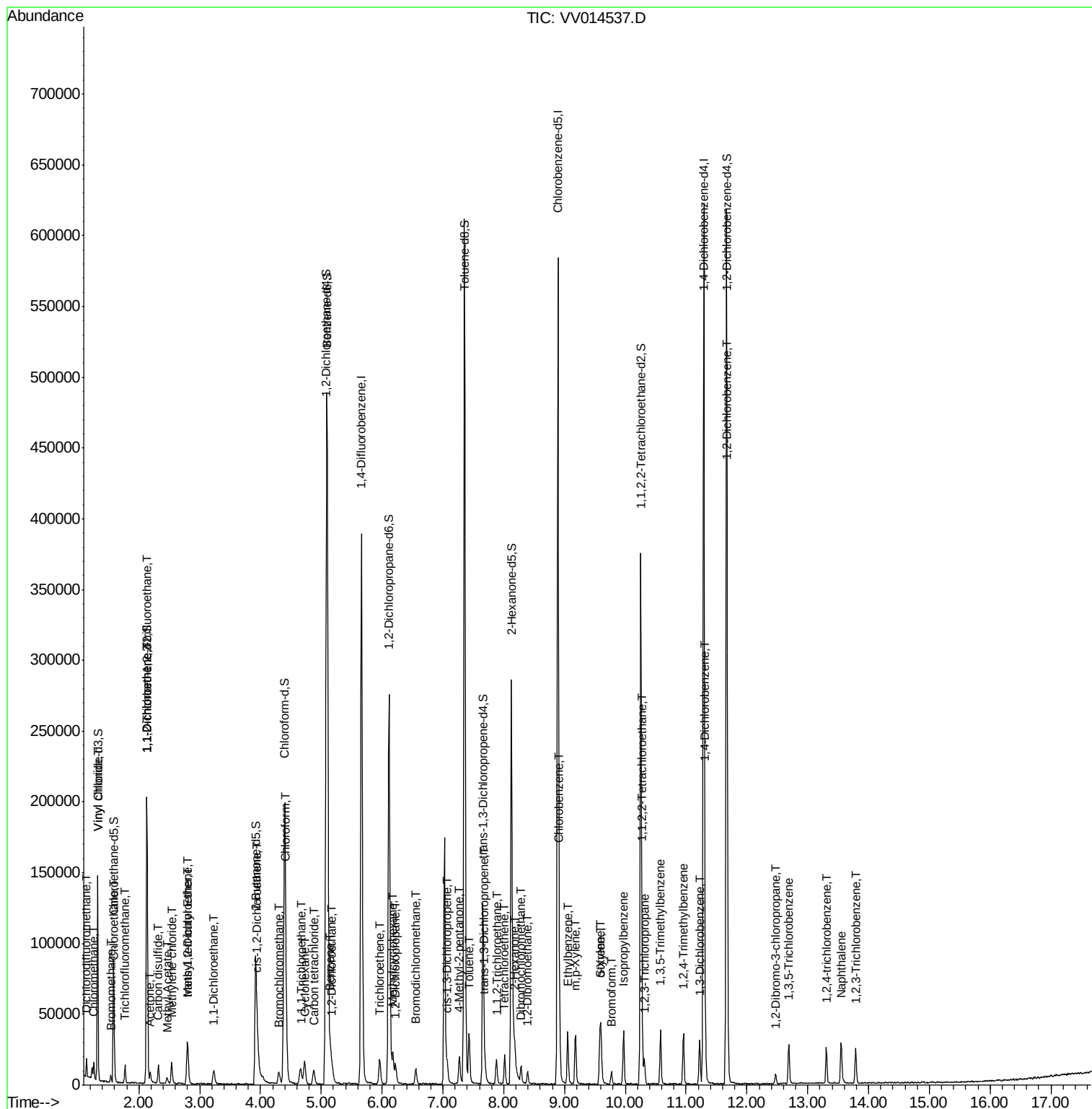
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.42	83	17796	4.210	ug/L	97
27) 1,2-Dichloroethane	5.18	62	7113	2.259	ug/L	98
29) Cyclohexane	4.73	56	8861	2.264	ug/L	94
30) 1,1,1-Trichloroethane	4.66	97	8738	2.406	ug/L	94
31) Carbon tetrachloride	4.87	117	7354	2.295	ug/L	99
33) Benzene	5.15	78	21839	2.334	ug/L	100
34) Trichloroethene	5.96	95	5805	2.340	ug/L	95
35) Methylcyclohexane	6.18	83	9501	2.344	ug/L	96
37) 1,2-Dichloropropane	6.22	63	5891	2.472	ug/L #	93
38) Bromodichloromethane	6.56	83	7192	2.249	ug/L #	93
39) cis-1,3-Dichloropropene	7.07	75	8578	2.158	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	12651	4.108	ug/L	93
42) Toluene	7.43	91	25548	2.547	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	8427	2.364	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	5623	2.459	ug/L	96
46) Tetrachloroethene	8.01	164	4822	2.548	ug/L	96
48) 2-Hexanone	8.18	43	11873	5.008	ug/L #	95
49) Dibromochloromethane	8.29	129	5968	2.312	ug/L	97
50) 1,2-Dibromoethane	8.39	107	6280	2.536	ug/L #	94
51) Chlorobenzene	8.92	112	16370	2.498	ug/L	98
52) Ethylbenzene	9.05	91	26866	2.388	ug/L	99
53) m,p-Xylene	9.18	106	10903	2.516	ug/L	89
54) o-Xylene	9.59	106	9742	2.349	ug/L	97
55) Styrene	9.60	104	15841	2.235	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.28	83	9628	2.687	ug/L #	96
59) Bromoform	9.77	173	3668	2.031	ug/L #	98
60) Isopropylbenzene	9.97	105	25121	2.294	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	6918	2.413	ug/L	95
62) 1,3,5-Trimethylbenzene	10.58	105	20993	2.240	ug/L	100
63) 1,2,4-Trimethylbenzene	10.96	105	19966	2.161	ug/L	95
64) 1,3-Dichlorobenzene	11.22	146	12672	2.453	ug/L	97
65) 1,4-Dichlorobenzene	11.32	146	12795	2.406	ug/L	98
67) 1,2-Dichlorobenzene	11.68	146	12640	2.524	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.47	75	1842	2.294	ug/L #	85
69) 1,3,5-Trichlorobenzene	12.69	180	8492	2.334	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	7880	2.359	ug/L	96
71) Naphthalene	13.55	128	24409	2.224	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	7379	2.273	ug/L	98

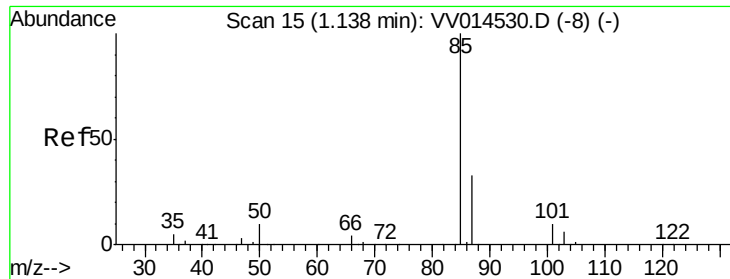
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.517 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

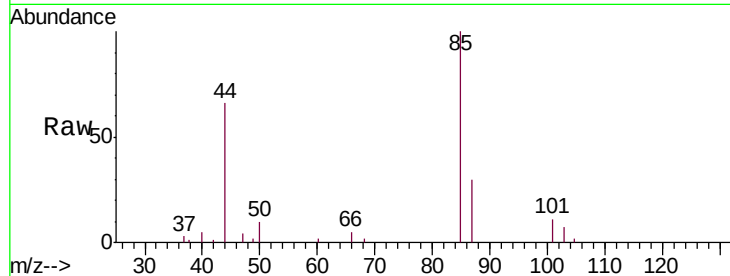
MDL01

Tgt Ion: 85 Resp: 6921

Ion Ratio Lower Upper

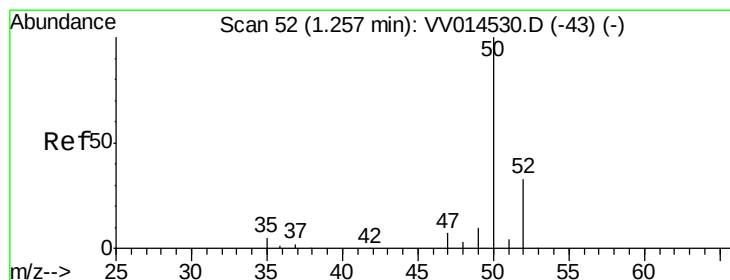
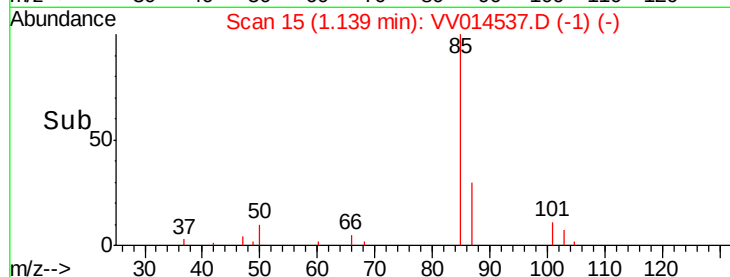
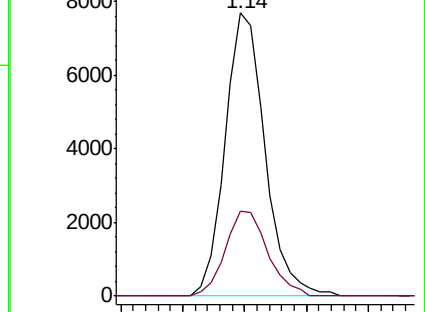
85 100

87 31.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV014537.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014537.D (-8) (-)



#3

Chloromethane

Concen: 2.372 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014537.D

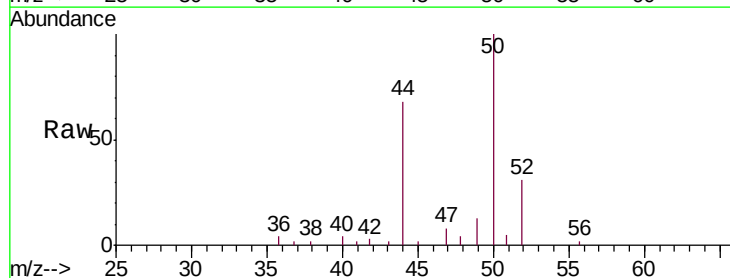
Acq: 07 Feb 2020 14:32

Tgt Ion: 50 Resp: 6605

Ion Ratio Lower Upper

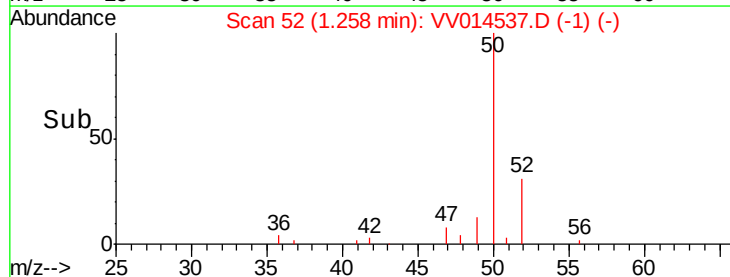
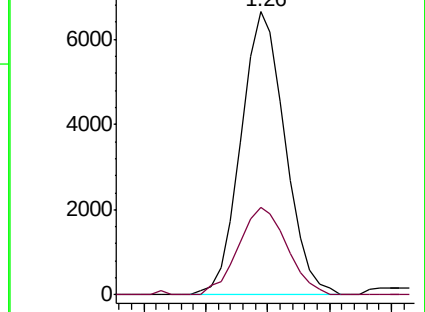
50 100

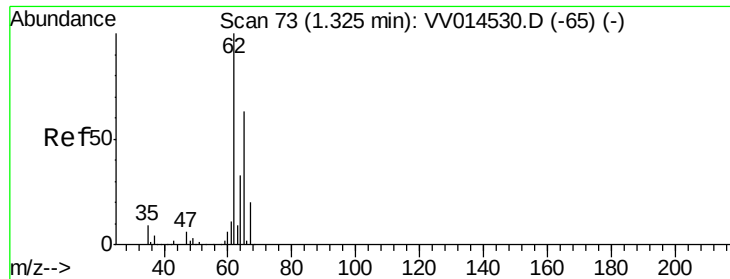
52 30.8 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV014537.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV014537.D (-43) (-)





#5

Vinyl chloride

Concen: 2.350 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Instrument :

MSVOA_V

ClientSampled :

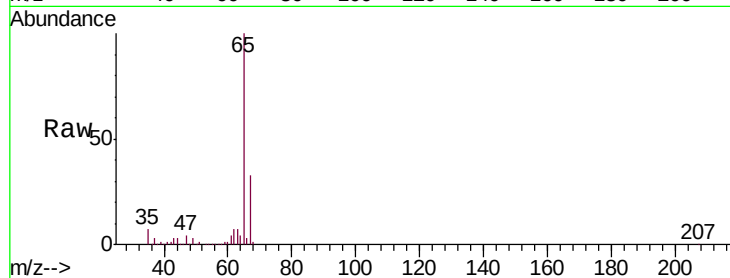
MDL01

Tgt Ion: 62 Resp: 5012

Ion Ratio Lower Upper

62 100

64 51.6 23.1 42.9#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.33

5000

4000

3000

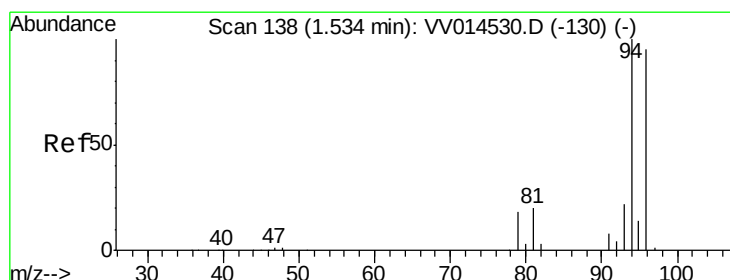
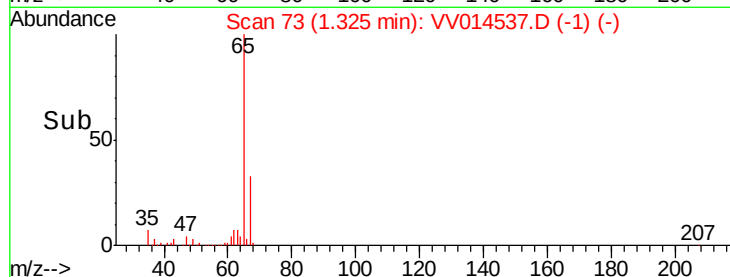
2000

1000

0

1.30 1.32 1.34 1.36

Time-->



#6

Bromomethane

Concen: 2.189 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014537.D

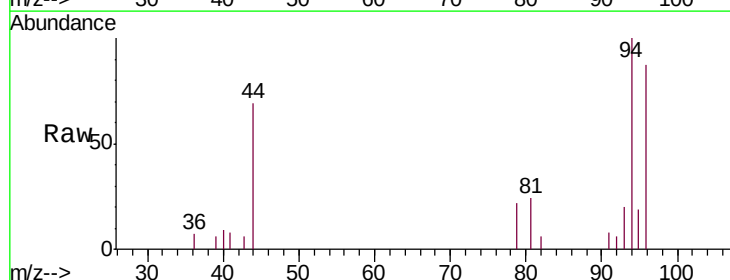
Acq: 07 Feb 2020 14:32

Tgt Ion: 94 Resp: 2147

Ion Ratio Lower Upper

94 100

96 87.4 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

2000

1500

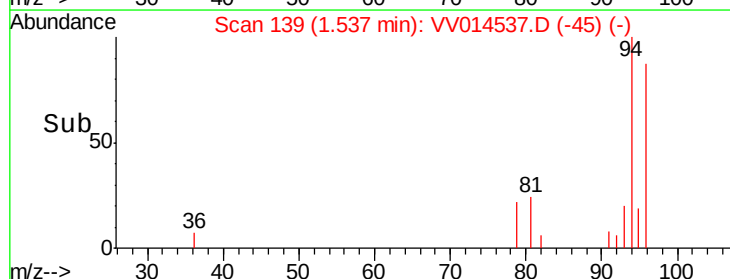
1000

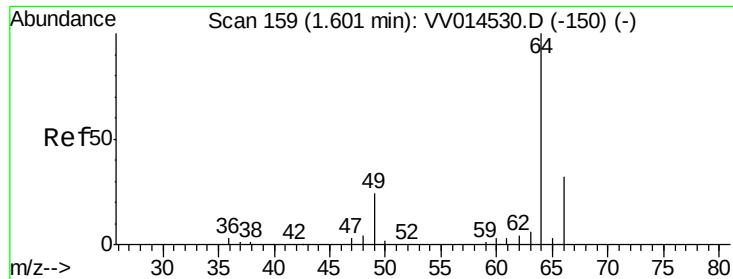
500

0

1.50 1.52 1.54 1.56

Time-->





#8

Chloroethane

Concen: 2.397 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Instrument :

MSVOA_V

ClientSampled :

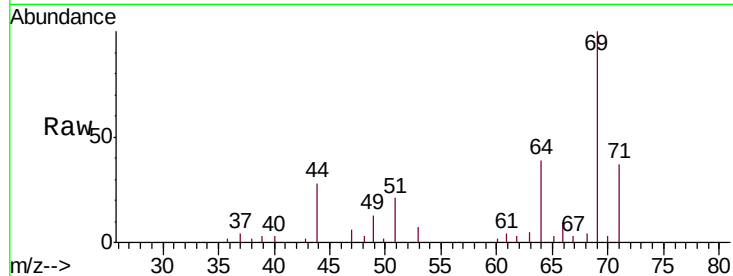
MDL01

Tgt Ion: 64 Resp: 2540

Ion Ratio Lower Upper

64 100

66 25.5 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VV014537.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014537.D (-150) (-)

1.60

2000

1500

1000

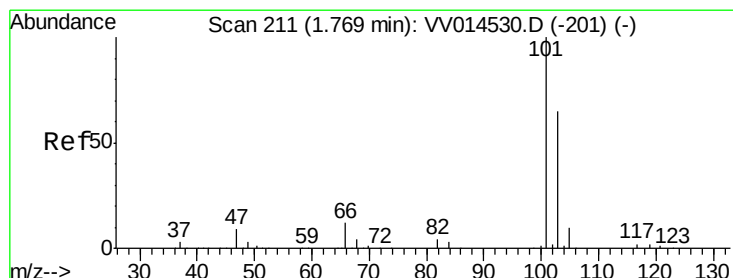
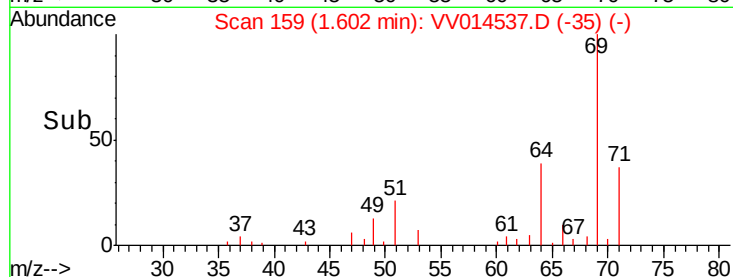
500

0

1.60

1.65

Time-->



#9

Trichlorofluoromethane

Concen: 2.498 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014537.D

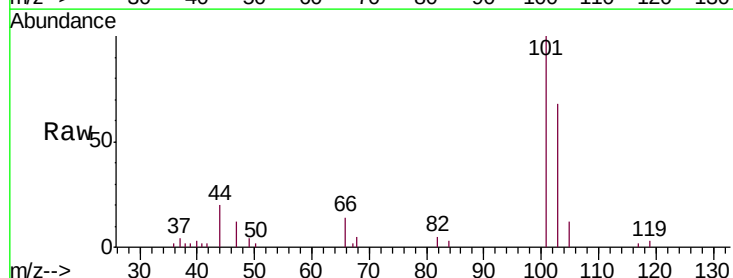
Acq: 07 Feb 2020 14:32

Tgt Ion: 101 Resp: 7175

Ion Ratio Lower Upper

101 100

103 64.8 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV014537.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014537.D (-201) (-)

1.77

6000

5000

4000

3000

2000

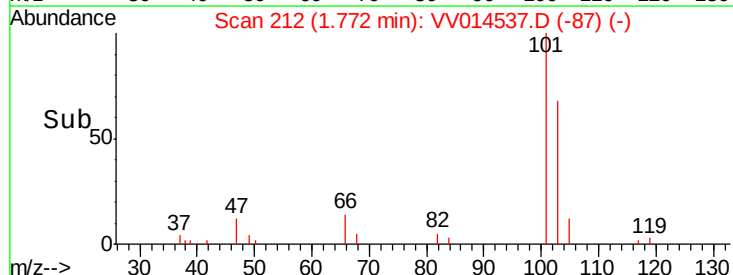
1000

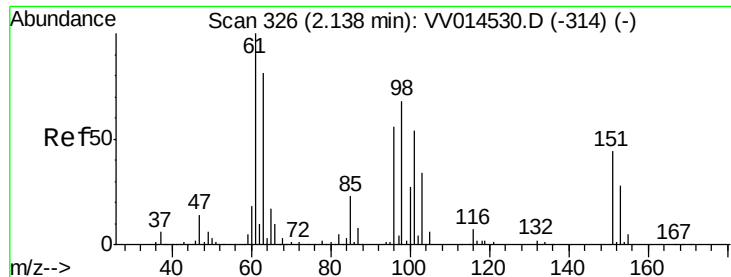
0

1.75

1.80

Time-->





#10

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

Concen: 2.878 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Instrument :

MSVOA_V

ClientSampled :

MDL01

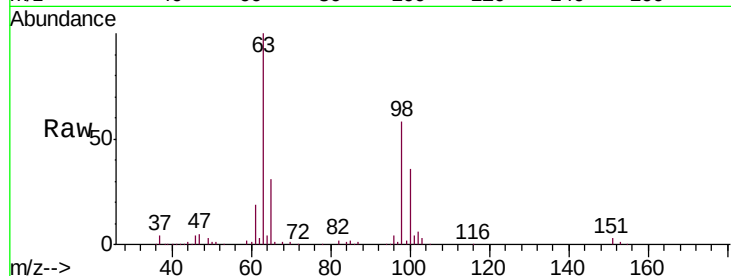
Tgt Ion: 101 Resp: 3970

Ion Ratio Lower Upper

101 100

85 36.5 35.0 52.6

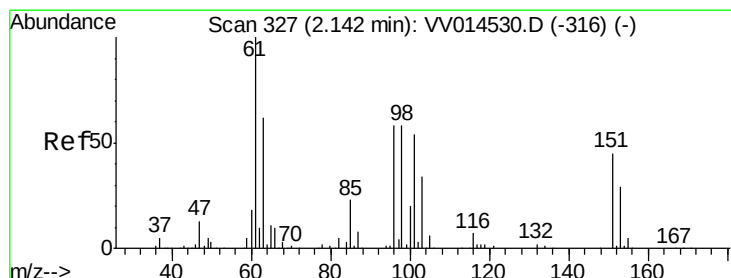
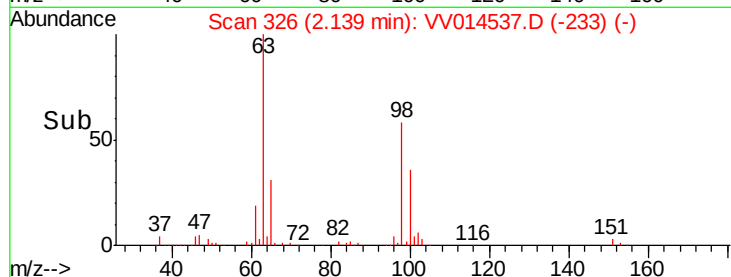
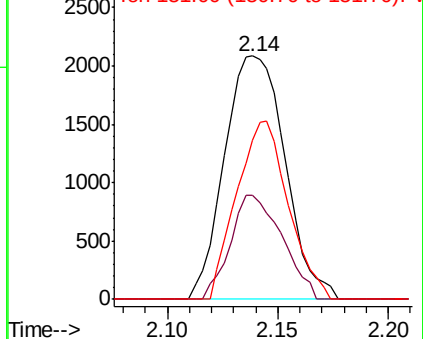
151 62.5 64.4 96.6#



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: 2.634 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

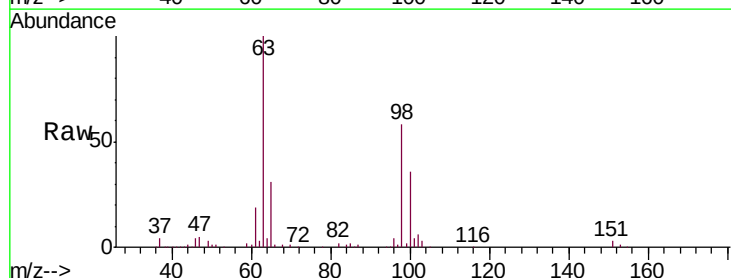
Tgt Ion: 96 Resp: 3475

Ion Ratio Lower Upper

96 100

61 446.6 125.0 232.2#

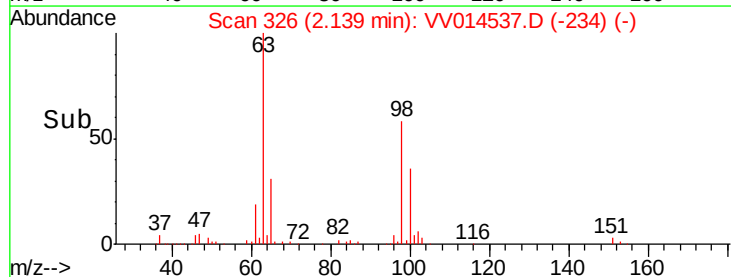
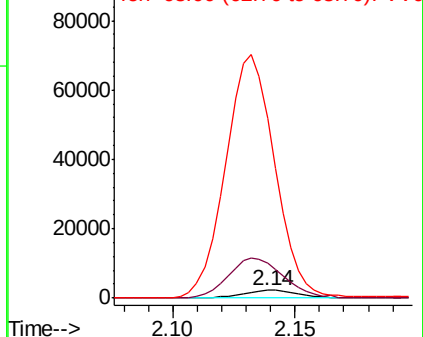
63 2331.5 101.6 188.6#

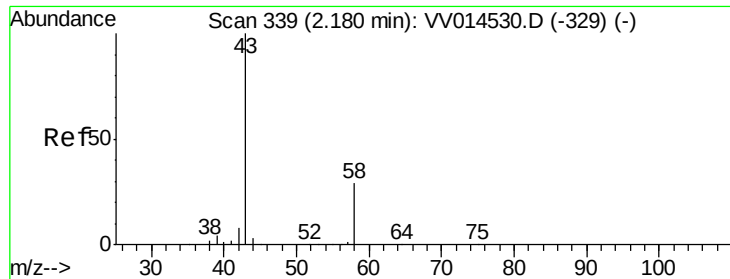


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.210 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

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MSVOA_V

ClientSampleId :

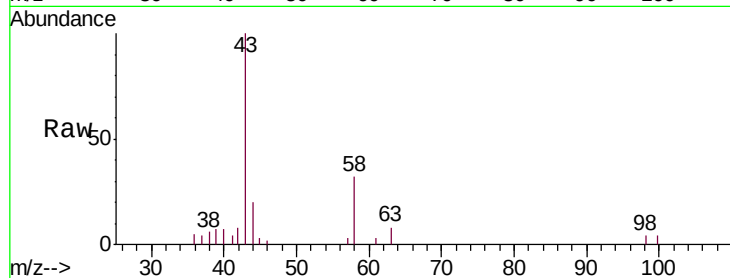
MDL01

Tgt Ion: 43 Resp: 6269

Ion Ratio Lower Upper

43 100

58 35.3 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VV014537.D (-246) (-)

Ion 58.00 (57.70 to 58.70): VV014537.D (-246) (-)

2.19

4000

3000

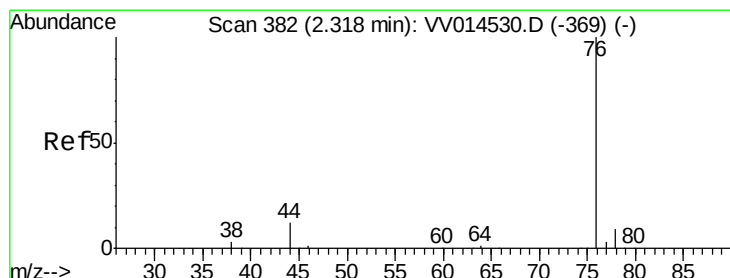
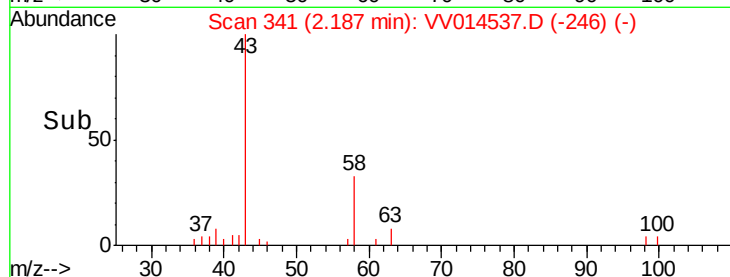
2000

1000

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 2.280 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV014537.D

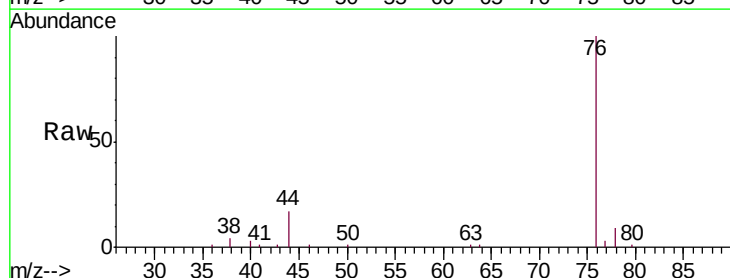
Acq: 07 Feb 2020 14:32

Tgt Ion: 76 Resp: 14609

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV014537.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV014537.D (-289) (-)

2.32

10000

8000

6000

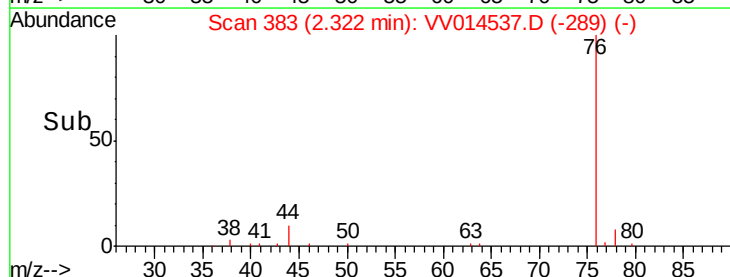
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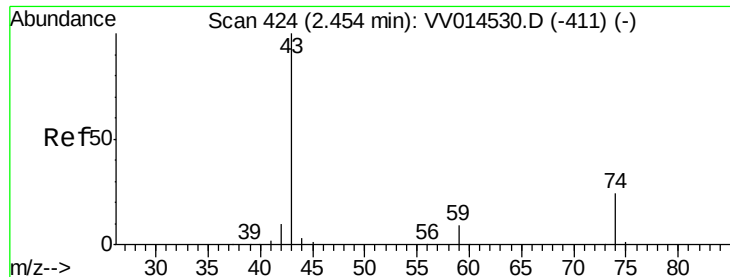
2000

0

Time-->

2.30 2.35





#15

Methyl Acetate

Concen: 1.856 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.01 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

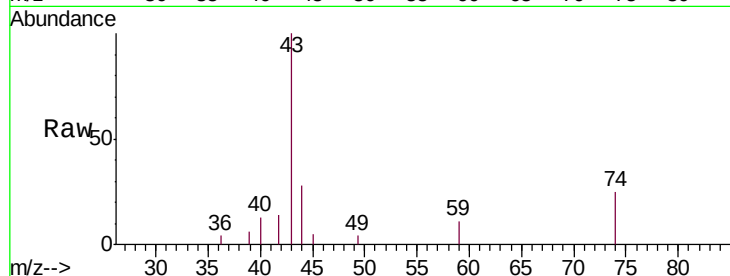
MDL01

Tgt Ion: 43 Resp: 4295

Ion Ratio Lower Upper

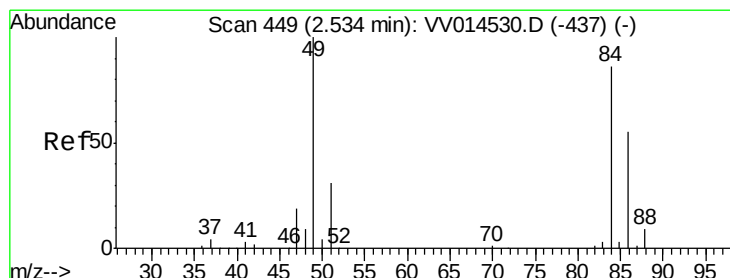
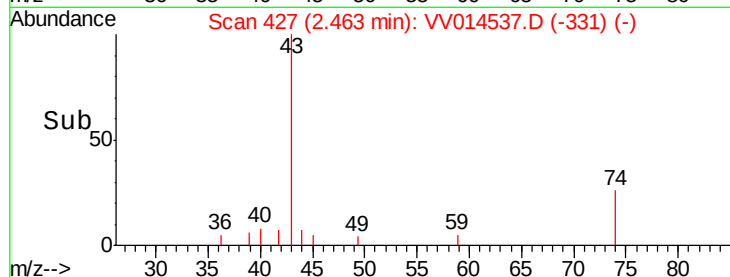
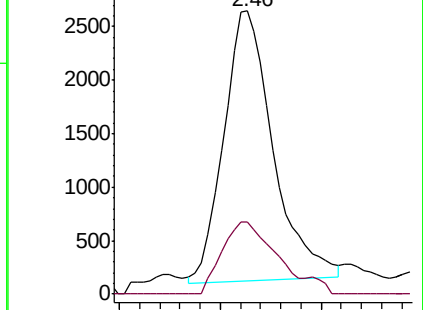
43 100

74 28.1 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VV014537.D (-331) (-)

Ion 74.00 (73.70 to 74.70): VV014537.D (-331) (-)



#16

Methylene chloride

Concen: 2.602 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.01 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

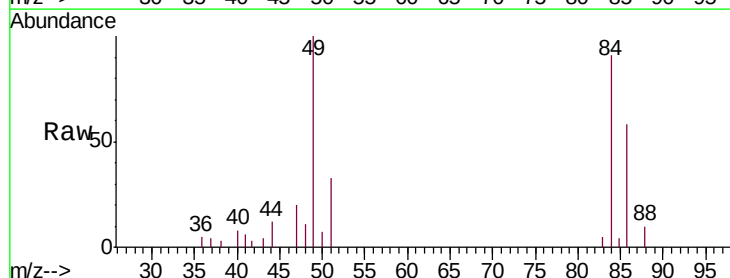
Tgt Ion: 84 Resp: 6519

Ion Ratio Lower Upper

84 100

86 64.1 44.6 82.8

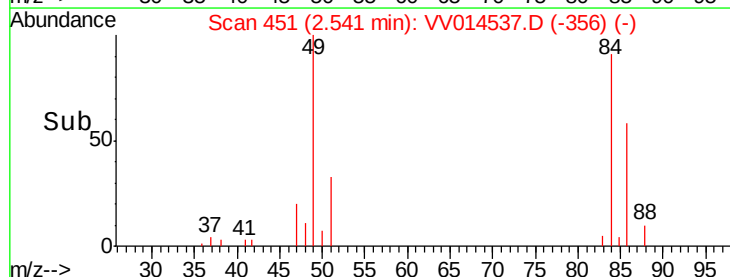
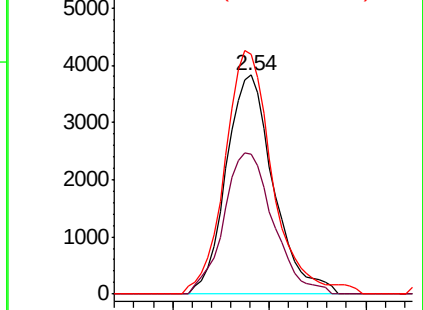
49 109.7 83.2 154.4

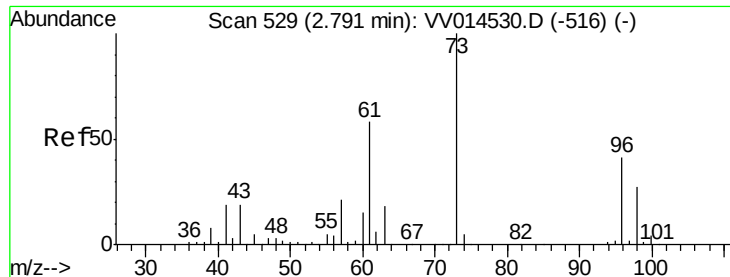


Abundance Ion 84.00 (83.70 to 84.70): VV014537.D (-356) (-)

Ion 86.00 (85.70 to 86.70): VV014537.D (-356) (-)

Ion 49.00 (48.70 to 49.70): VV014537.D (-356) (-)

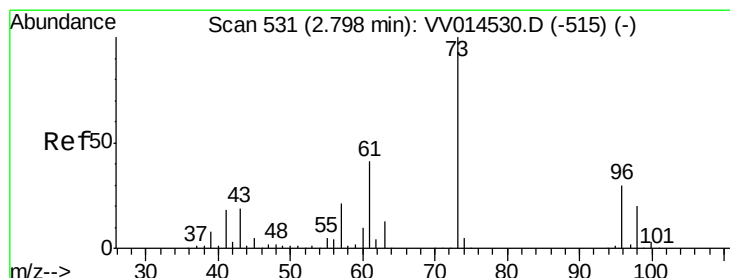
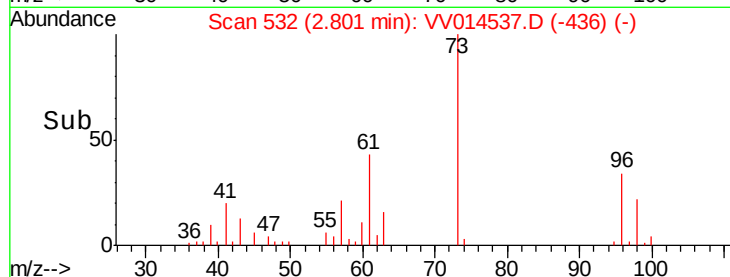
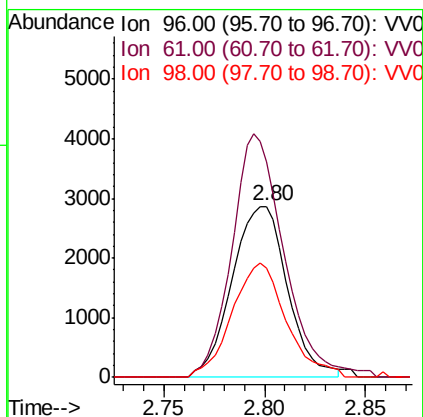
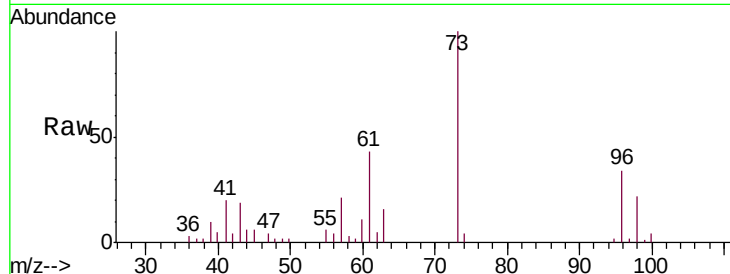




#17
trans-1,2-Dichloroethene
Concen: 2.366 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.01 min
Lab File: VV014537.D
Acq: 07 Feb 2020 14:32

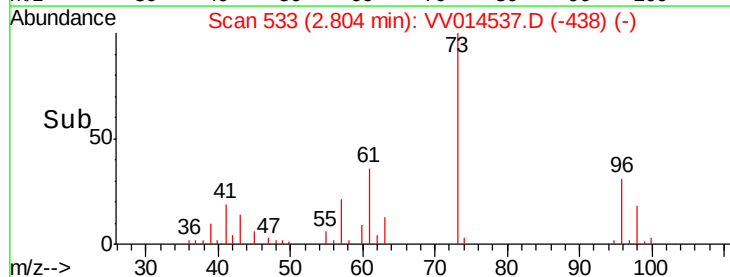
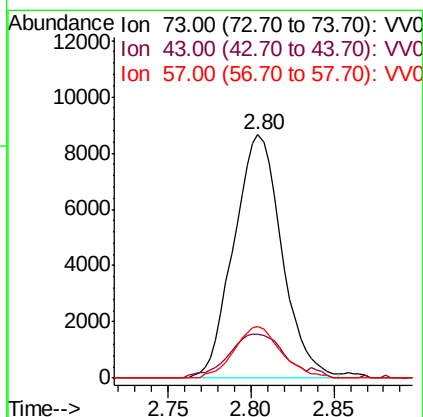
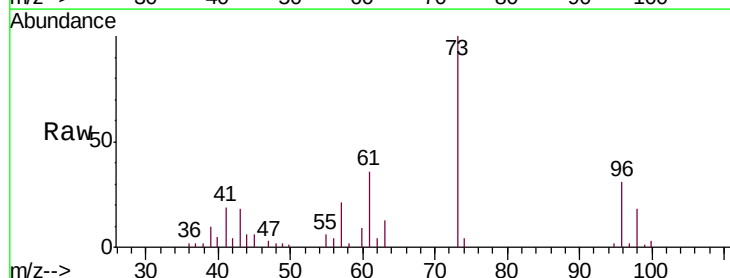
Instrument :
MSVOA_V
ClientSampled :
MDL01

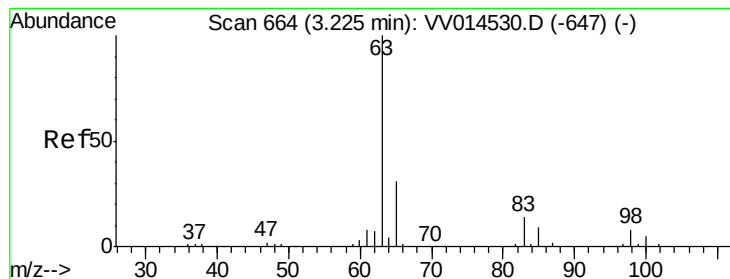
Tgt Ion: 96 Resp: 5499
Ion Ratio Lower Upper
96 100
61 125.8 95.8 178.0
98 64.2 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 2.368 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.01 min
Lab File: VV014537.D
Acq: 07 Feb 2020 14:32

Tgt Ion: 73 Resp: 17431
Ion Ratio Lower Upper
73 100
43 20.6 14.9 22.3
57 20.7 17.5 26.3

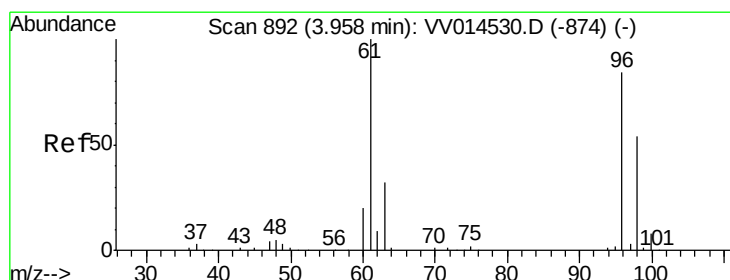
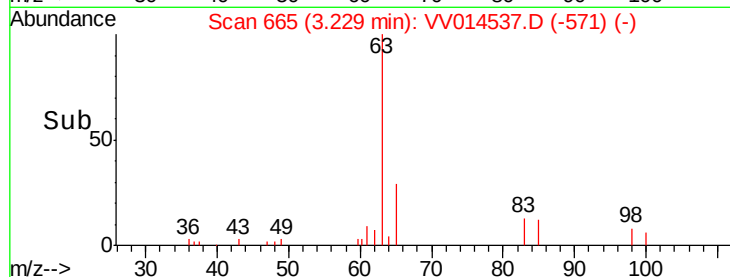
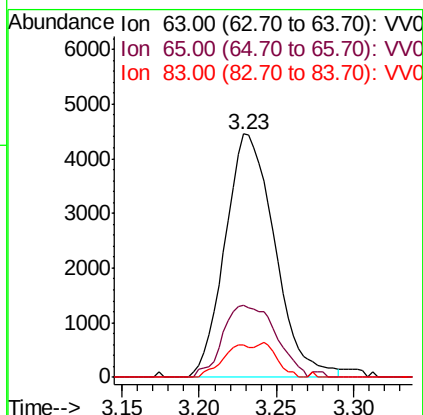
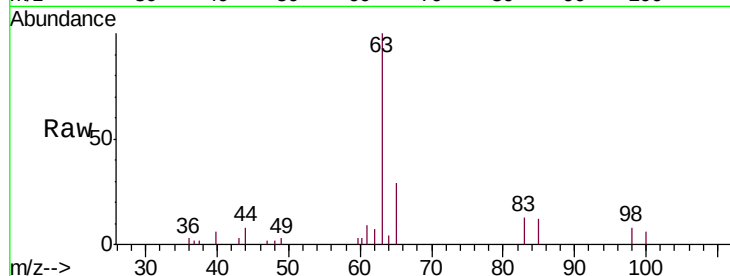




#19
 1,1-Dichloroethane
 Concen: 2.392 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014537.D
 Acq: 07 Feb 2020 14:32

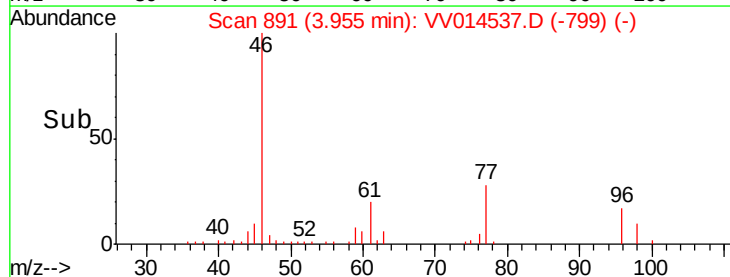
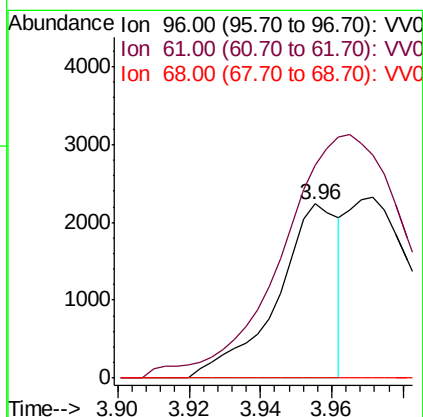
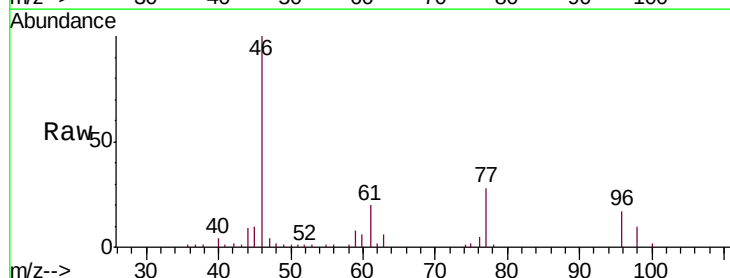
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

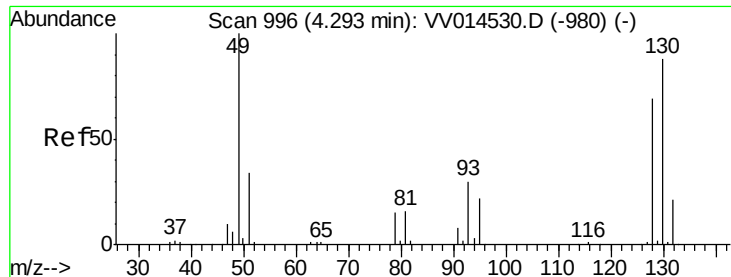
Tgt Ion: 63 Resp: 9942
 Ion Ratio Lower Upper
 63 100
 65 29.4 22.5 41.7
 83 13.1 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 1.024 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV014537.D
 Acq: 07 Feb 2020 14:32

Tgt Ion: 96 Resp: 2680
 Ion Ratio Lower Upper
 96 100
 61 122.7 85.2 158.2
 68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 2.397 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion:128 Resp: 2969

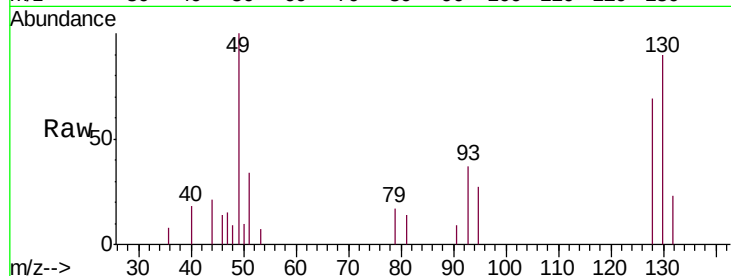
Ion Ratio Lower Upper

128 100

49 145.7 110.1 204.5

130 131.8 88.5 164.4

51 49.8 39.4 59.0

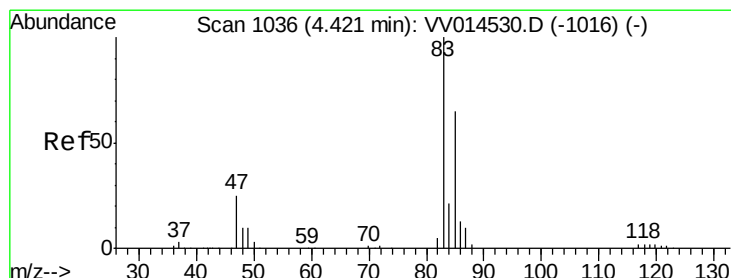
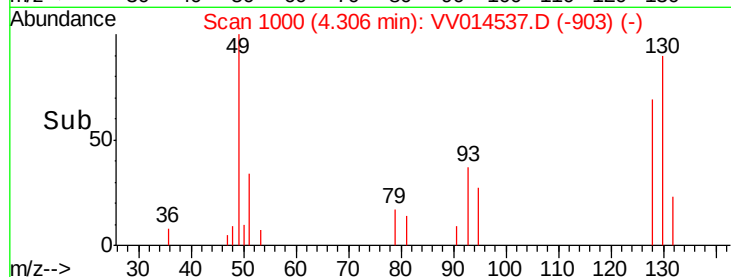
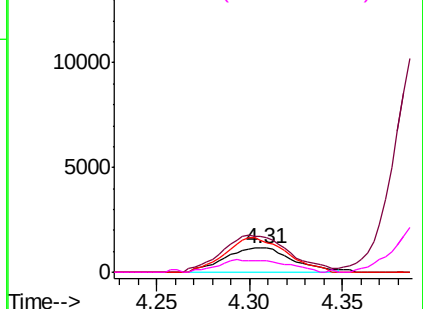


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 4.210 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV014537.D

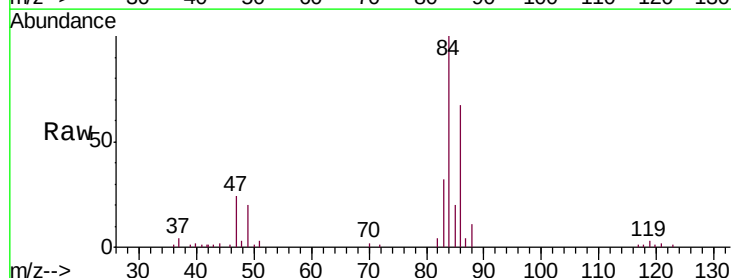
Acq: 07 Feb 2020 14:32

Tgt Ion: 83 Resp: 17796

Ion Ratio Lower Upper

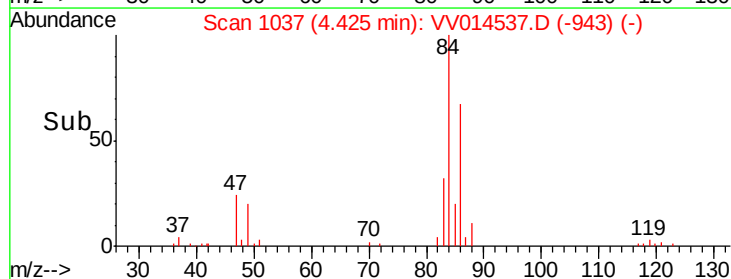
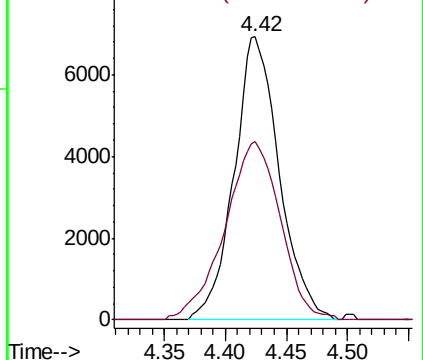
83 100

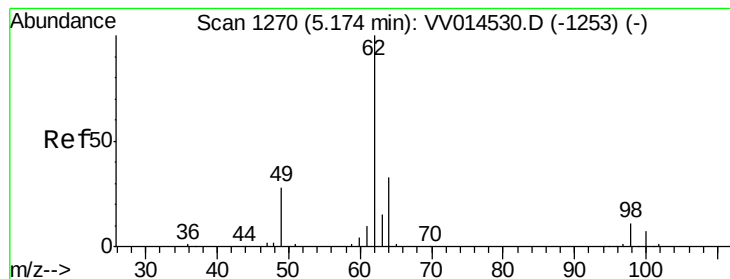
85 63.0 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 2.259 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Instrument :

MSVOA_V

ClientSampled :

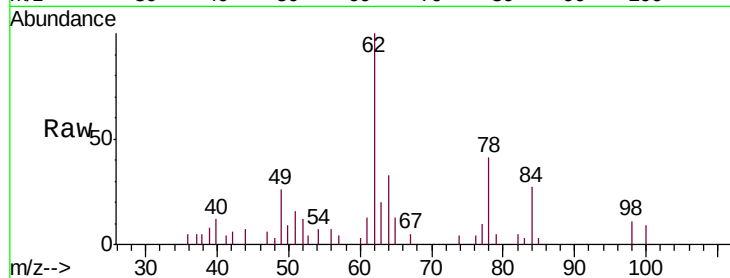
MDL01

Tgt Ion: 62 Resp: 7113

Ion Ratio Lower Upper

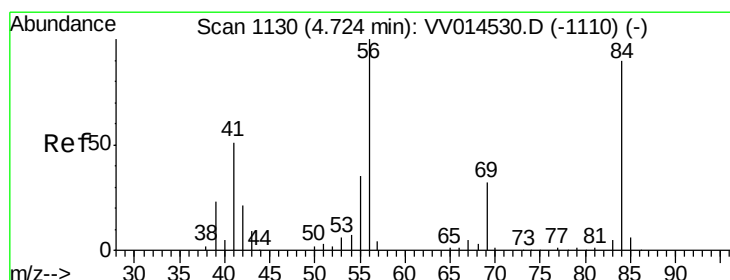
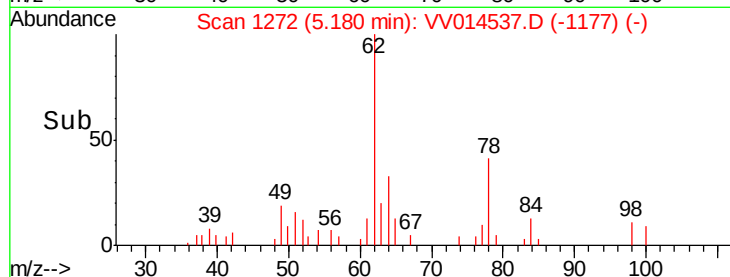
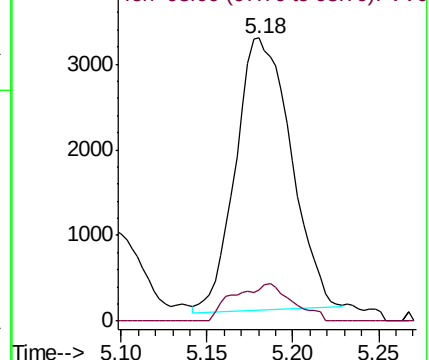
62 100

98 11.1 8.2 12.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#29

Cyclohexane

Concen: 2.264 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

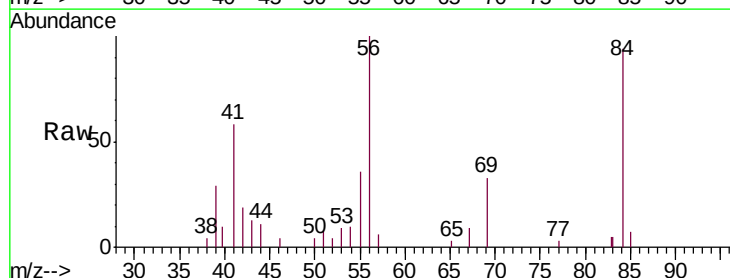
Tgt Ion: 56 Resp: 8861

Ion Ratio Lower Upper

56 100

69 31.8 25.2 37.8

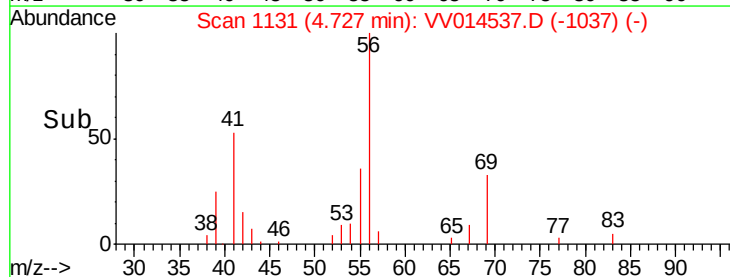
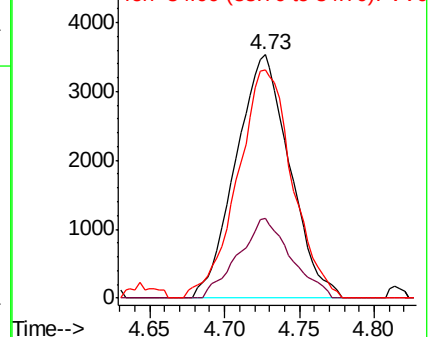
84 95.0 69.8 104.8

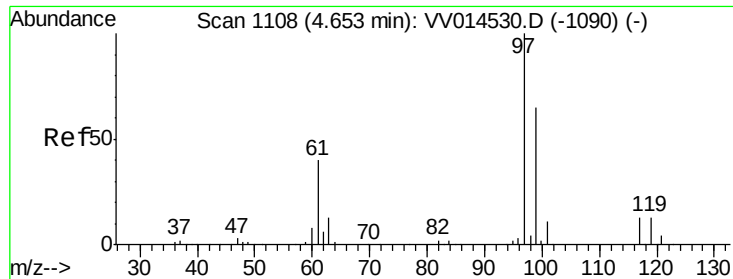


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0

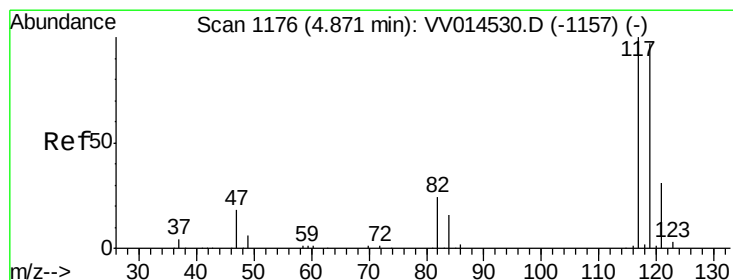
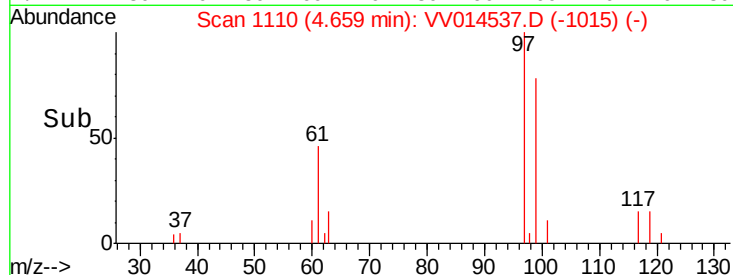
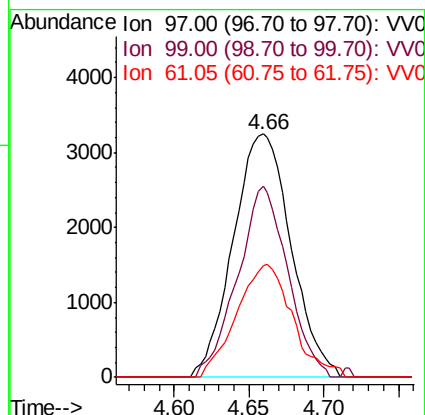
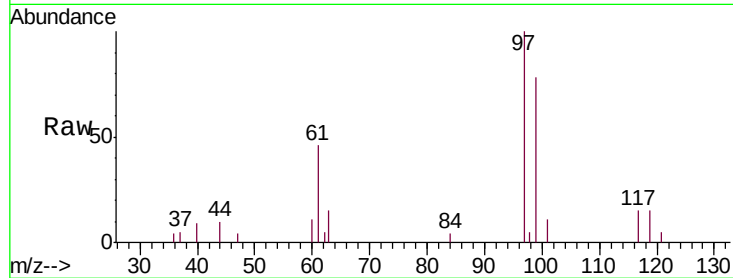




#30
 1,1,1-Trichloroethane
 Concen: 2.406 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.01 min
 Lab File: VV014537.D
 Acq: 07 Feb 2020 14:32

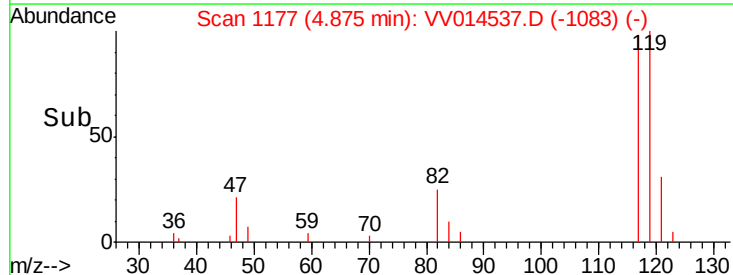
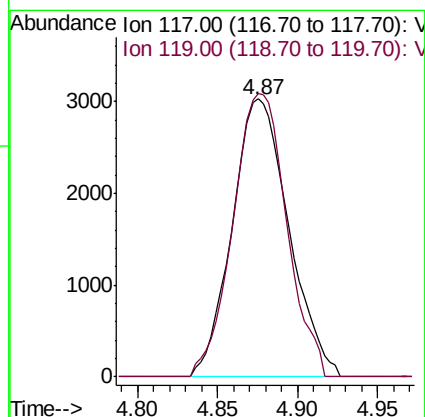
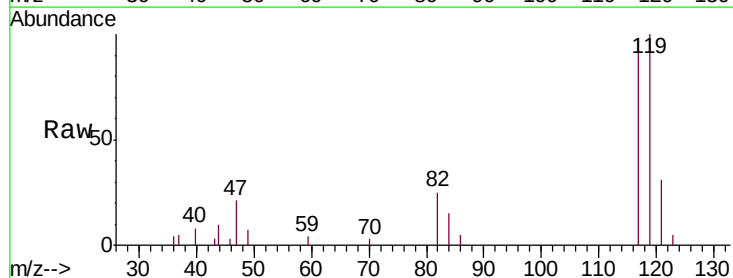
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

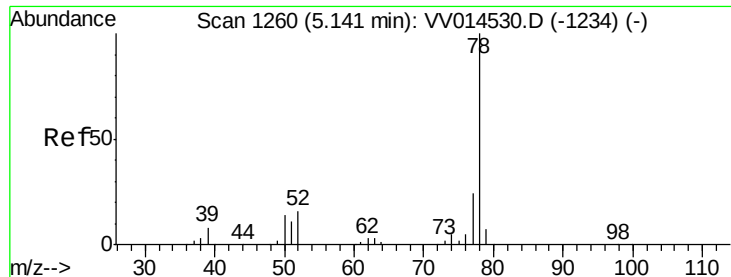
Tgt Ion: 97 Resp: 8738
 Ion Ratio Lower Upper
 97 100
 99 68.0 50.6 76.0
 61 44.9 33.0 49.4



#31
 Carbon tetrachloride
 Concen: 2.295 ug/L
 RT: 4.87 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VV014537.D
 Acq: 07 Feb 2020 14:32

Tgt Ion: 117 Resp: 7354
 Ion Ratio Lower Upper
 117 100
 119 96.6 76.7 115.1

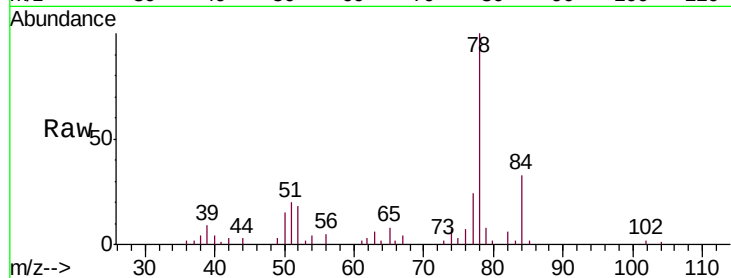




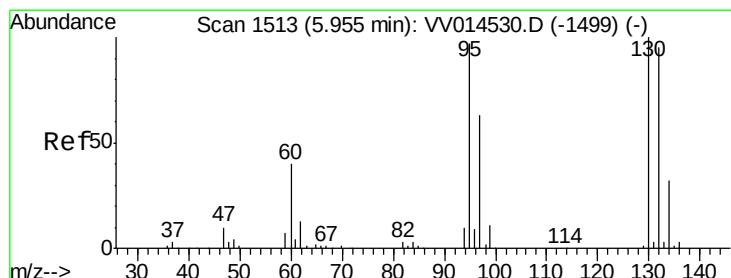
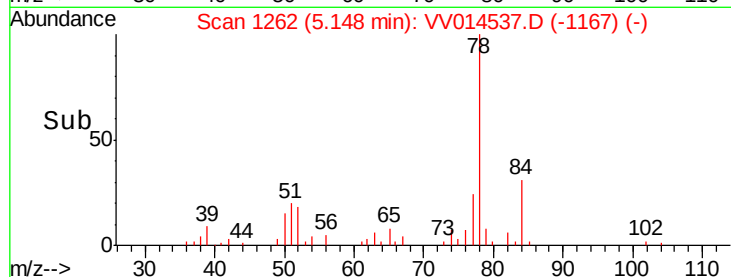
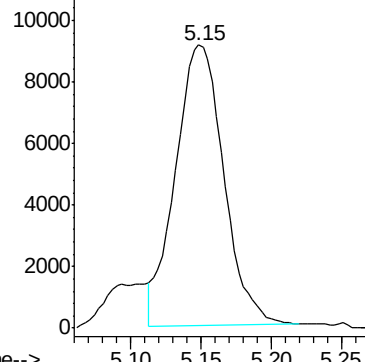
#33
Benzene
Concen: 2.334 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VV014537.D
Acq: 07 Feb 2020 14:32

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tgt Ion: 78 Resp: 21839



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34
Trichloroethene
Concen: 2.340 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV014537.D
Acq: 07 Feb 2020 14:32

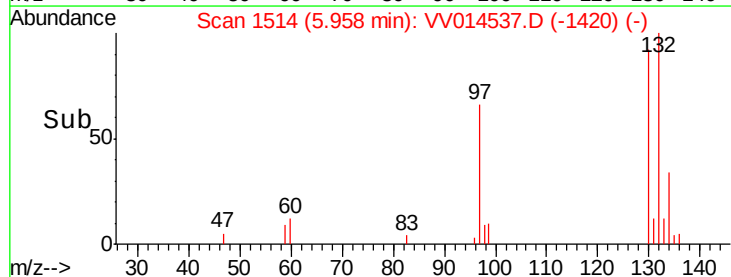
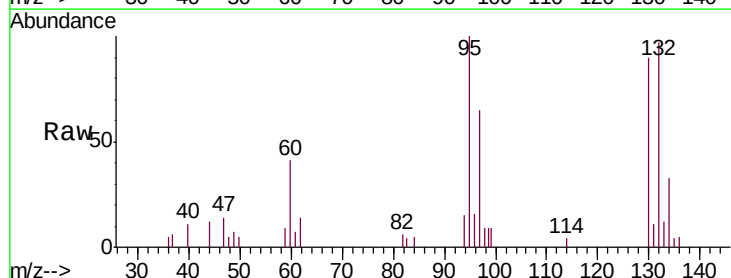
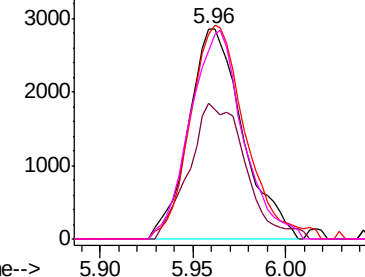
Tgt Ion: 95 Resp: 5805
Ion Ratio Lower Upper
95 100
97 64.6 45.1 83.7
132 97.5 67.7 125.7
130 89.5 70.5 130.9

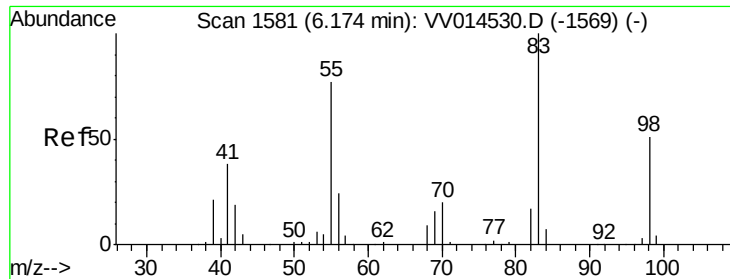
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

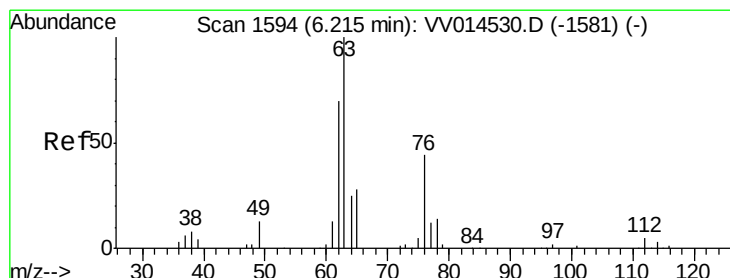
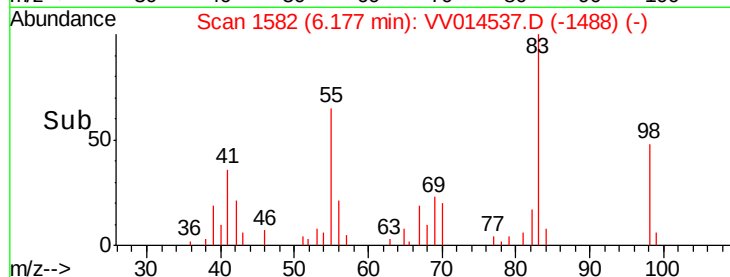
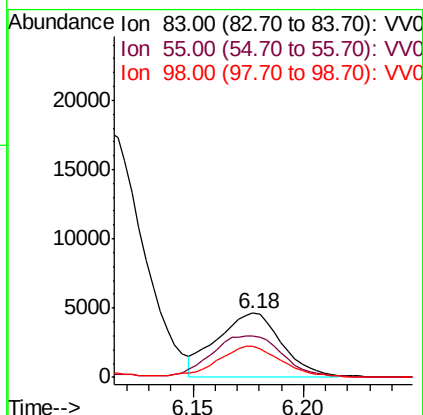
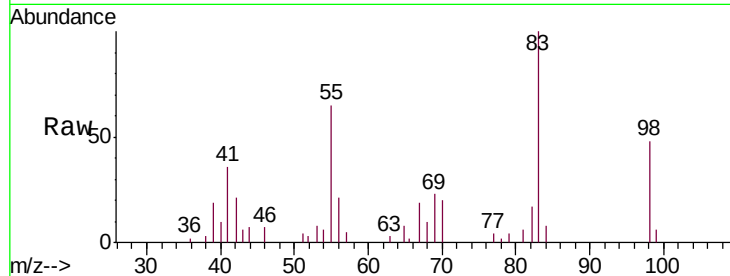




#35
Methylcyclohexane
Concen: 2.344 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV014537.D
Acq: 07 Feb 2020 14:32

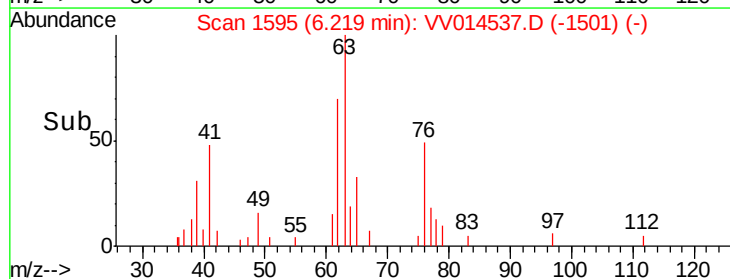
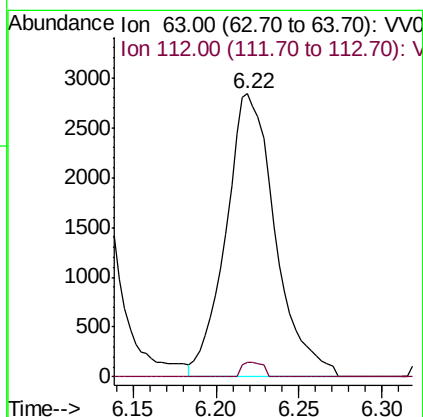
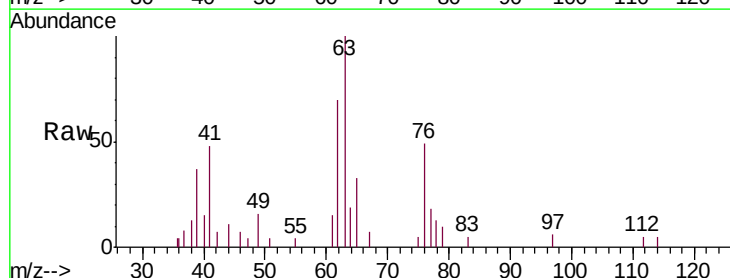
Instrument :
MSVOA_V
ClientSampleId :
MDL01

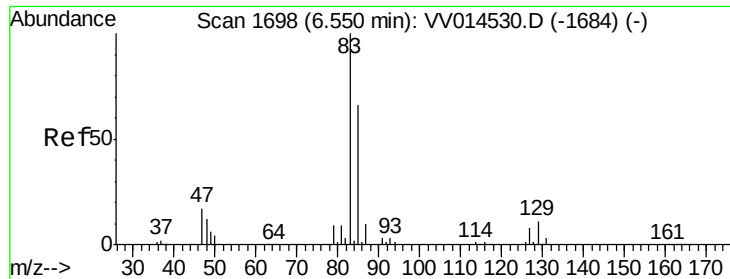
Tgt Ion: 83 Resp: 9501
Ion Ratio Lower Upper
83 100
55 71.5 60.7 91.1
98 47.6 39.4 59.0



#37
1,2-Dichloropropane
Concen: 2.472 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VV014537.D
Acq: 07 Feb 2020 14:32

Tgt Ion: 63 Resp: 5891
Ion Ratio Lower Upper
63 100
112 2.2 3.7 5.5#





#38

Bromodichloromethane

Concen: 2.249 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.01 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

MDL01

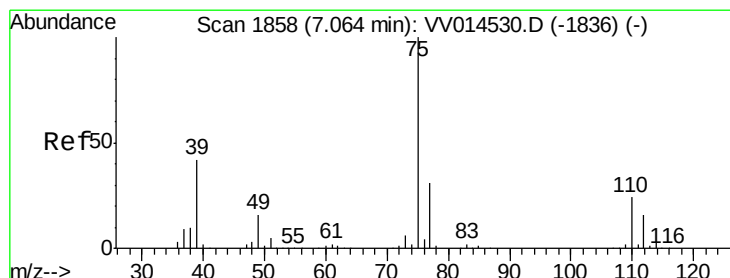
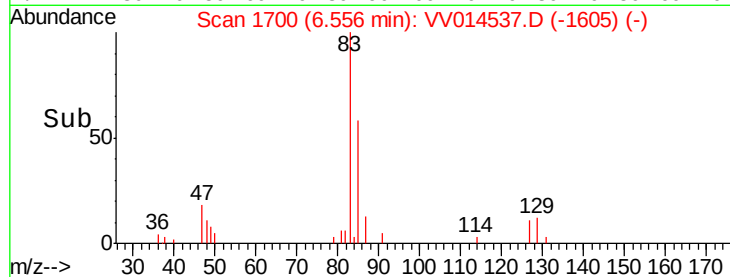
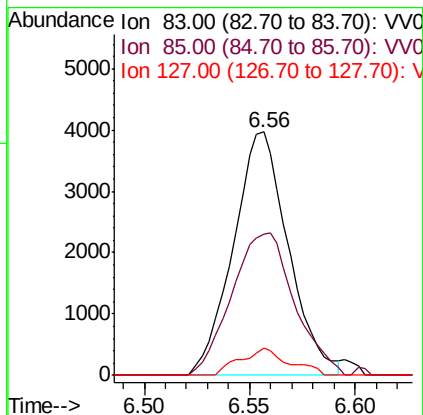
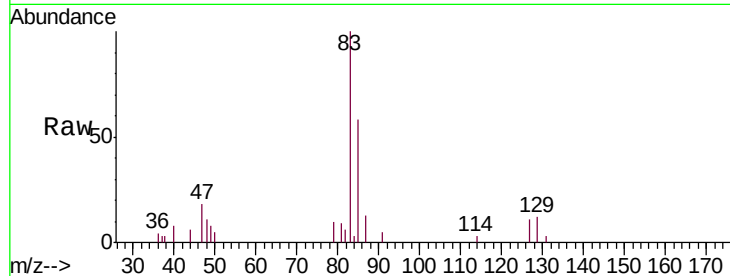
Tgt Ion: 83 Resp: 7192

Ion Ratio Lower Upper

83 100

85 58.1 44.4 82.4

127 11.0 6.7 10.1#



#39

cis-1,3-Dichloropropene

Concen: 2.158 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.01 min

Lab File: VV014537.D

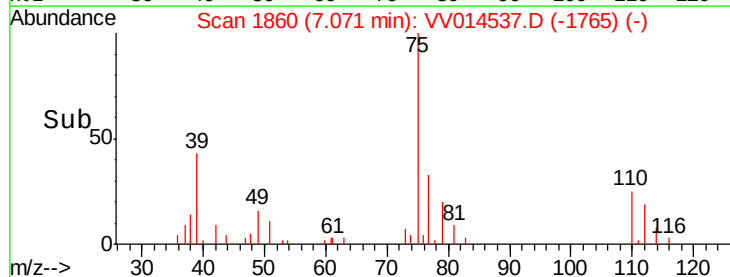
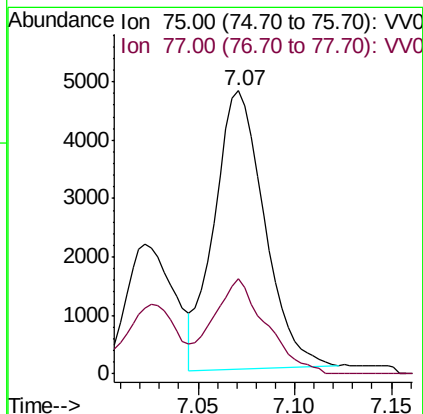
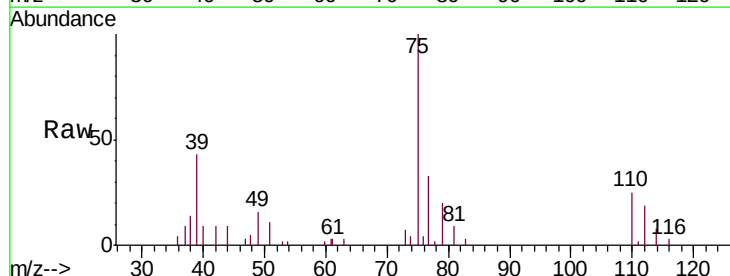
Acq: 07 Feb 2020 14:32

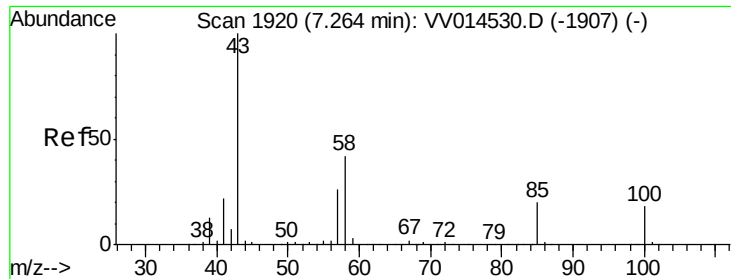
Tgt Ion: 75 Resp: 8578

Ion Ratio Lower Upper

75 100

77 33.5 22.7 42.1

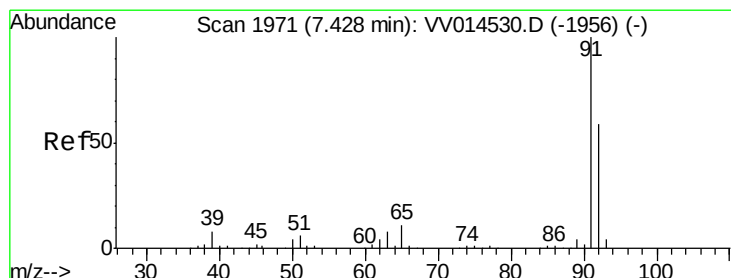
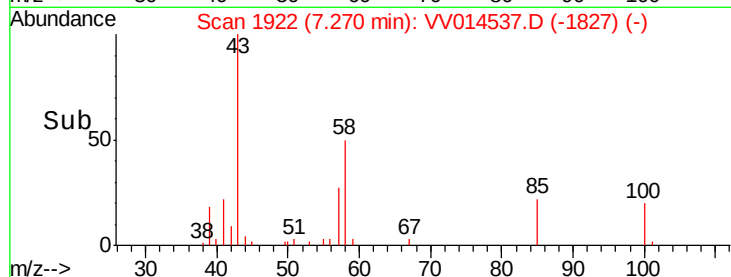
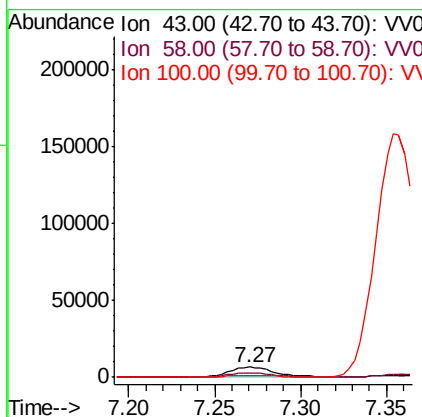
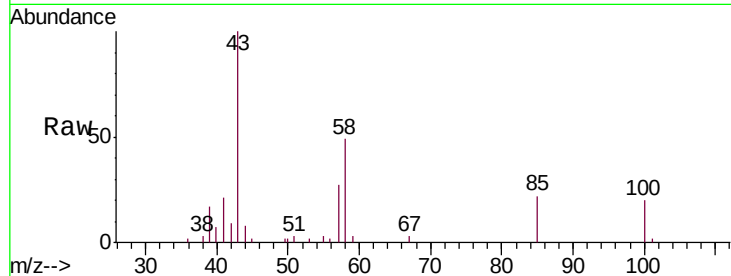




#40
4-Methyl-2-pentanone
Concen: 4.108 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VV014537.D
Acq: 07 Feb 2020 14:32

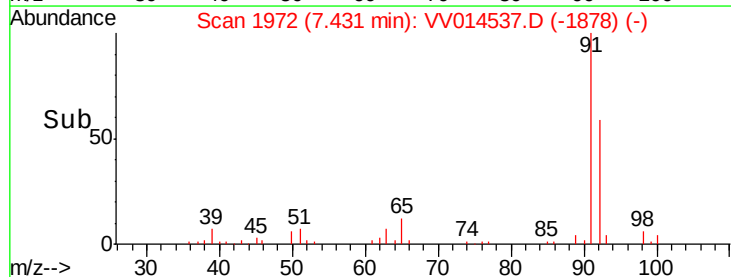
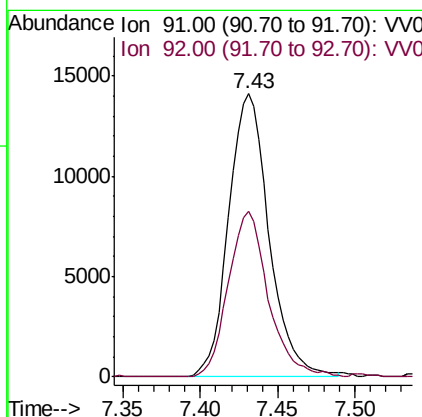
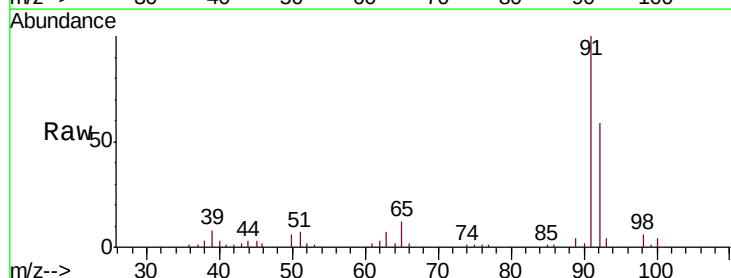
Instrument :
MSVOA_V
ClientSampled :
MDL01

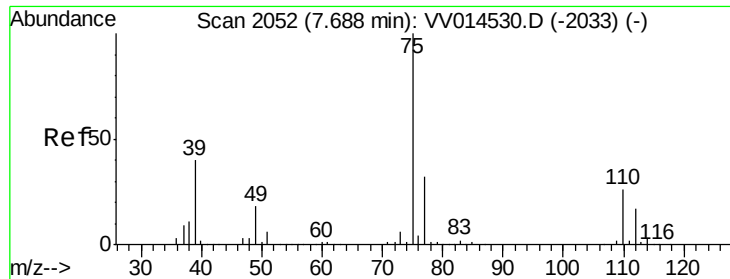
Tgt Ion: 43 Resp: 12651
Ion Ratio Lower Upper
43 100
58 46.3 33.2 49.8
100 20.3 13.9 20.9



#42
Toluene
Concen: 2.547 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV014537.D
Acq: 07 Feb 2020 14:32

Tgt Ion: 91 Resp: 25548
Ion Ratio Lower Upper
91 100
92 58.5 41.6 77.2





#44

trans-1,3-Dichloropropene

Concen: 2.364 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

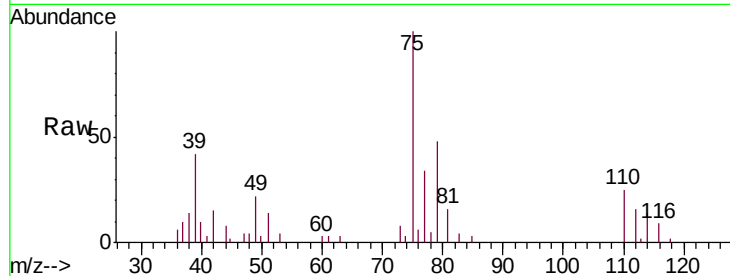
MDL01

Tgt Ion: 75 Resp: 8427

Ion Ratio Lower Upper

75 100

77 34.3 22.2 41.2

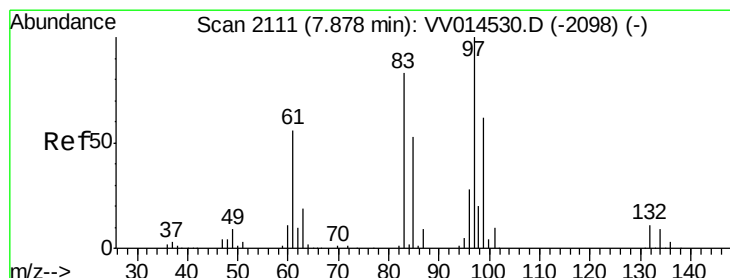
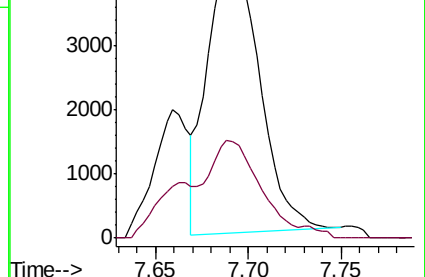
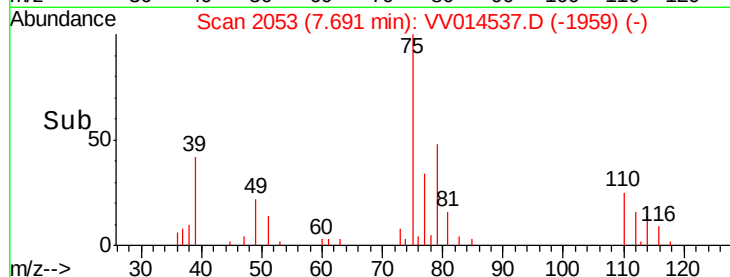


Abundance Ion 75.00 (74.70 to 75.70): VV014530.D (-2033) (-)

Ion 77.00 (76.70 to 77.70): VV014530.D (-2033) (-)

7.69

Time-->



#45

1,1,2-Trichloroethane

Concen: 2.459 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Tgt Ion: 97 Resp: 5623

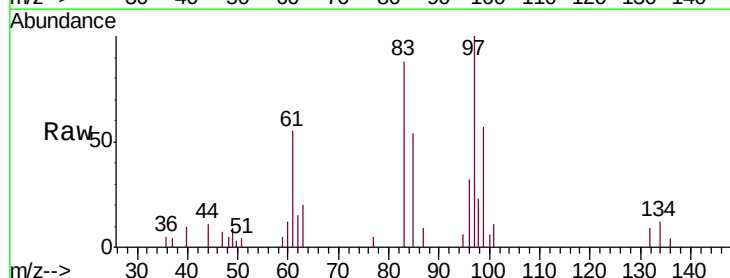
Ion Ratio Lower Upper

97 100

99 56.7 44.5 82.7

83 87.9 60.1 111.5

85 54.3 38.1 70.9



Abundance Ion 97.00 (96.70 to 97.70): VV014530.D (-2098) (-)

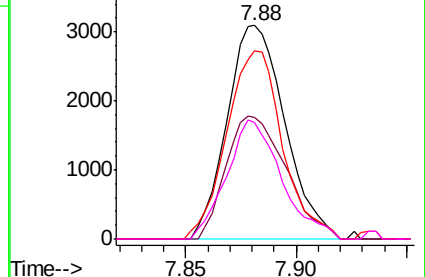
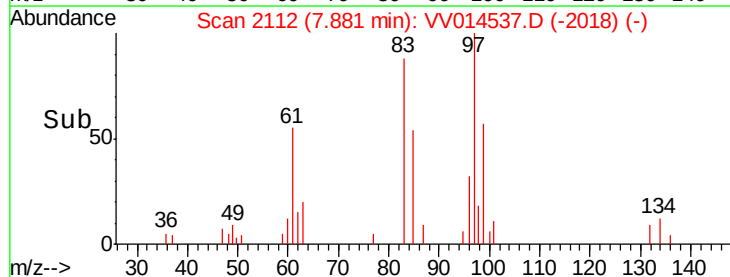
Ion 99.00 (98.70 to 99.70): VV014530.D (-2098) (-)

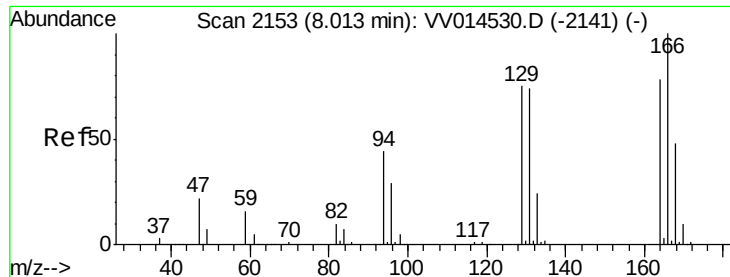
Ion 83.00 (82.70 to 83.70): VV014530.D (-2098) (-)

Ion 85.00 (84.70 to 85.70): VV014530.D (-2098) (-)

7.88

Time-->





#46

Tetrachloroethene

Concen: 2.548 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion:164 Resp: 4822

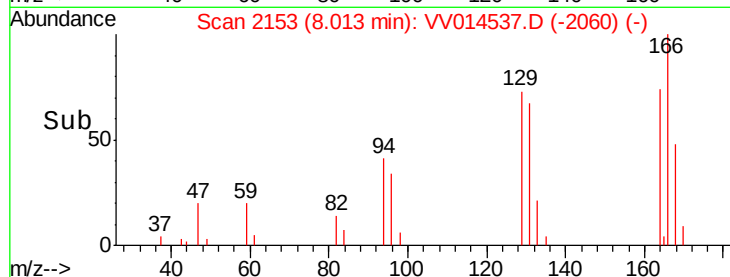
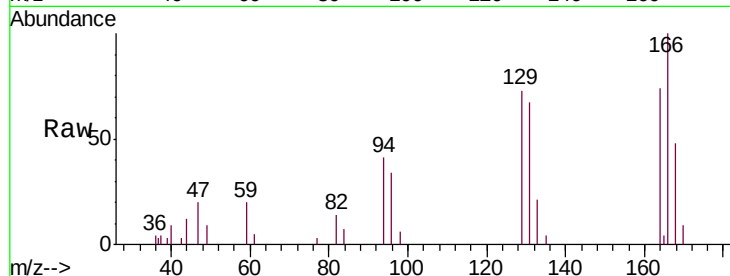
Ion Ratio Lower Upper

164 100

129 98.0 68.0 126.4

131 90.6 63.4 117.8

166 134.7 86.9 161.3

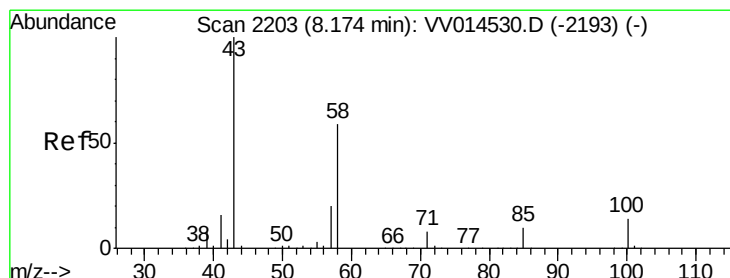
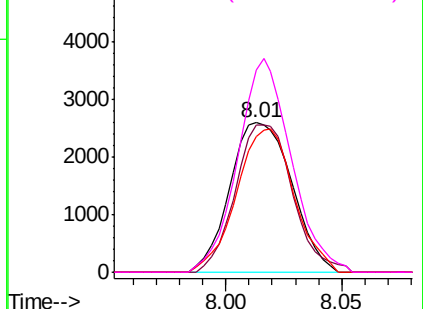


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.008 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Tgt Ion: 43 Resp: 11873

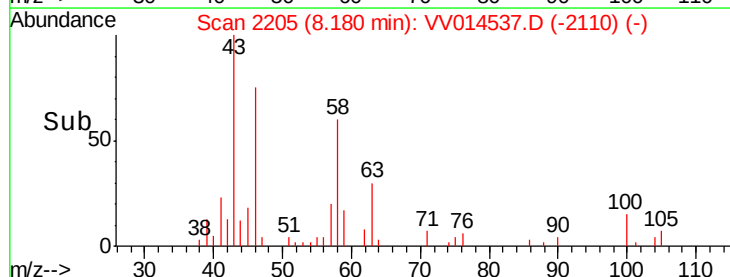
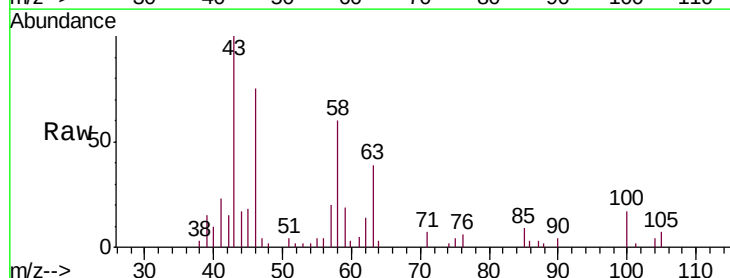
Ion Ratio Lower Upper

43 100

58 55.9 45.5 68.3

57 24.9 15.8 23.6#

100 16.9 10.8 16.2#

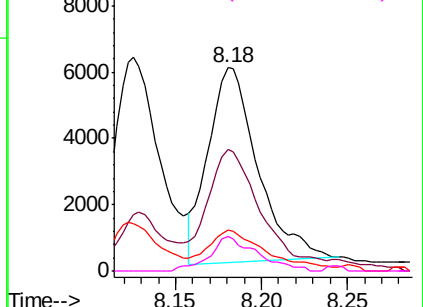


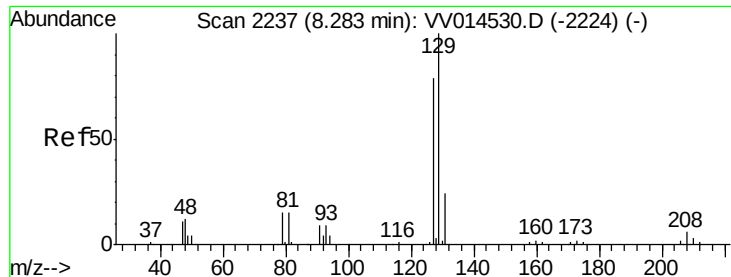
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 2.312 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

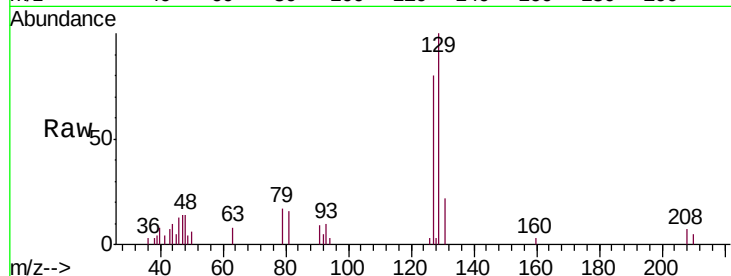
MDL01

Tgt Ion:129 Resp: 5968

Ion Ratio Lower Upper

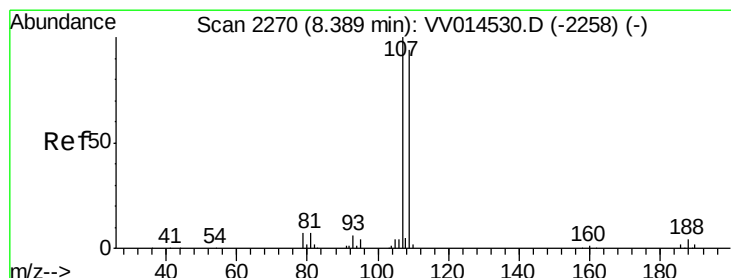
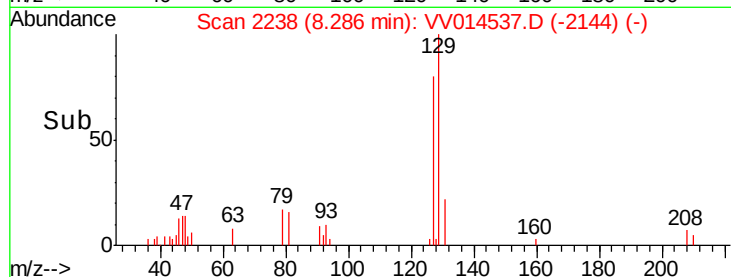
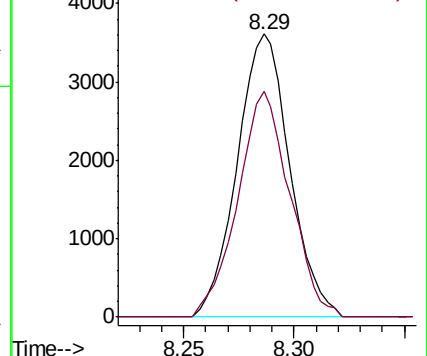
129 100

127 79.8 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.536 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

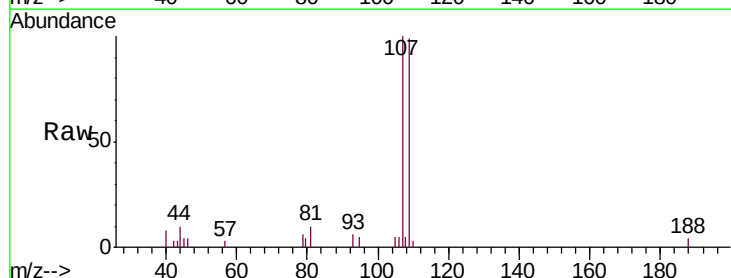
Tgt Ion:107 Resp: 6280

Ion Ratio Lower Upper

107 100

109 98.9 65.2 121.2

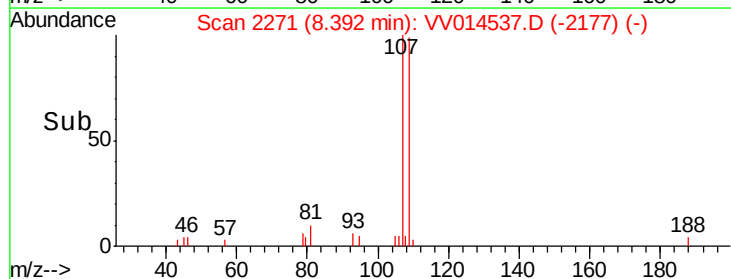
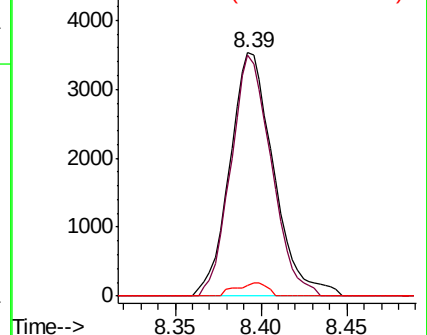
188 4.4 2.6 4.0#

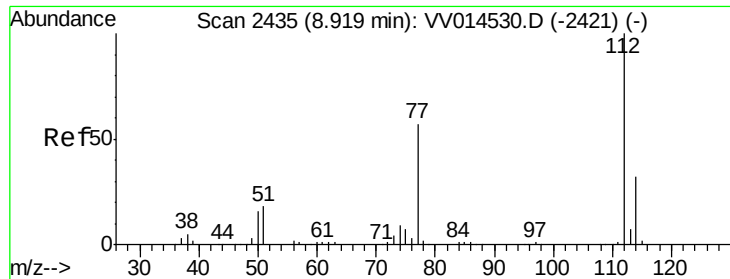


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

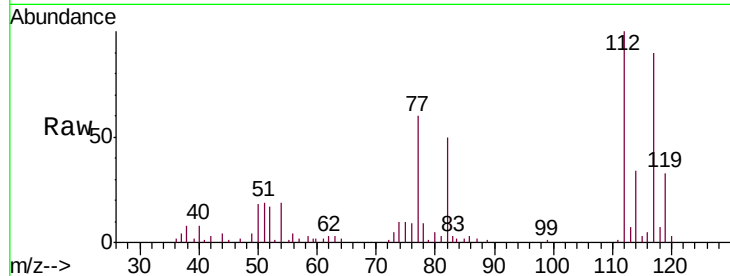




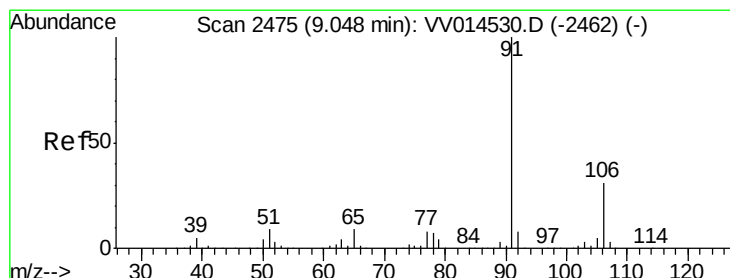
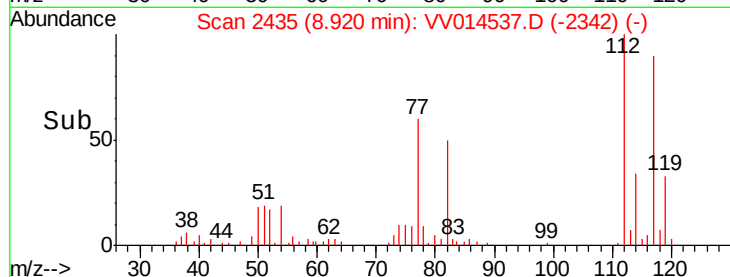
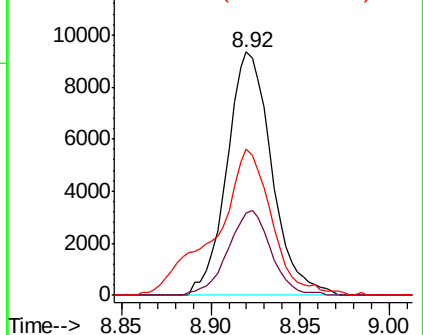
#51
Chlorobenzene
Concen: 2.498 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014537.D
Acq: 07 Feb 2020 14:32

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion: 112 Resp: 16370
Ion Ratio Lower Upper
112 100
114 34.1 22.3 41.5
77 59.8 47.3 70.9

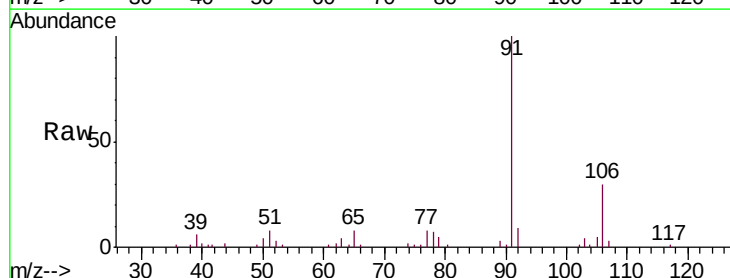


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

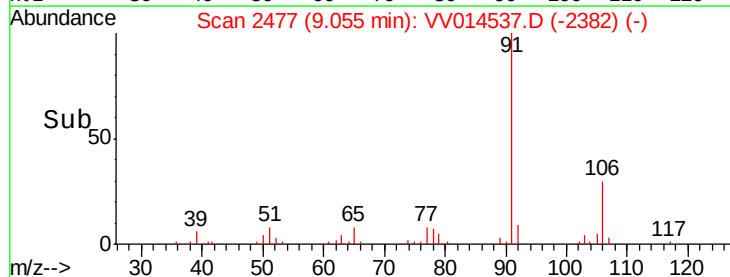
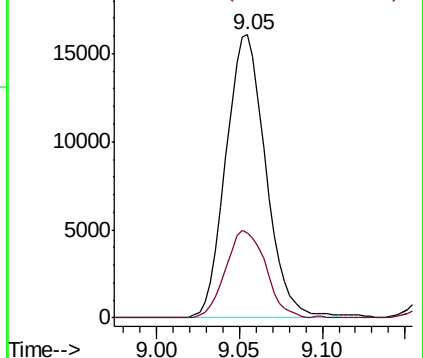


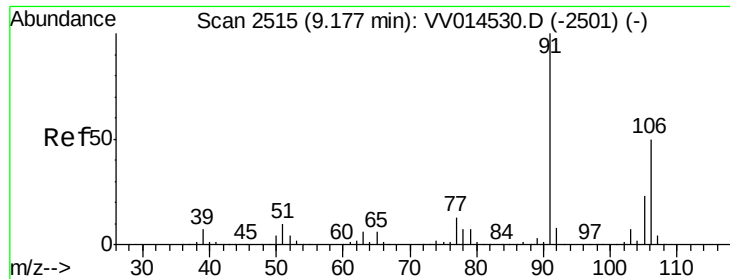
#52
Ethylbenzene
Concen: 2.388 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.01 min
Lab File: VV014537.D
Acq: 07 Feb 2020 14:32

Tgt Ion: 91 Resp: 26866
Ion Ratio Lower Upper
91 100
106 30.0 21.5 39.9



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





#53

m,p-Xylene

Concen: 2.516 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Instrument :

MSVOA_V

ClientSampled :

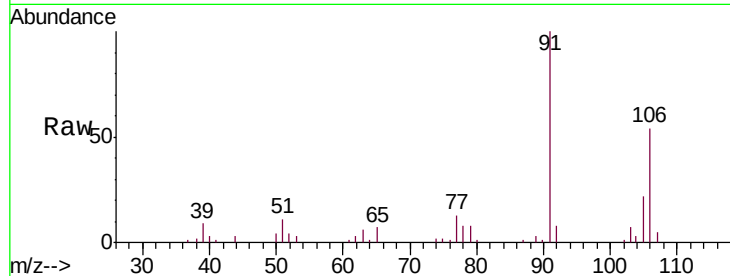
MDL01

Tgt Ion:106 Resp: 10903

Ion Ratio Lower Upper

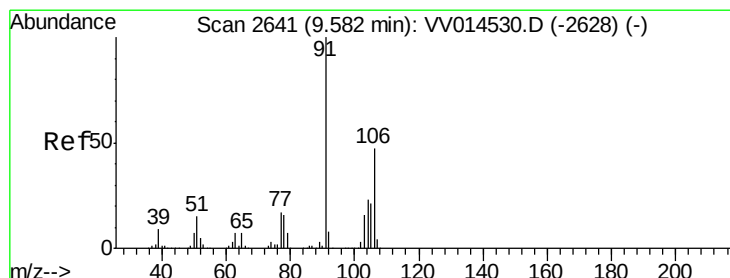
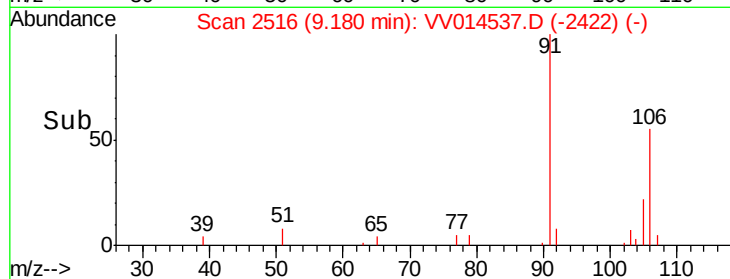
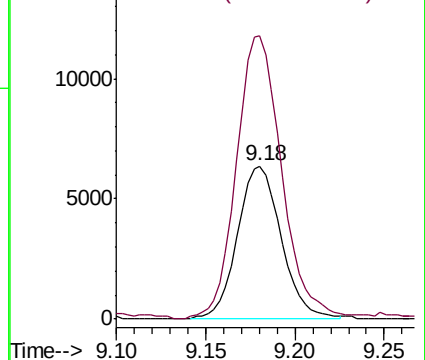
106 100

91 185.1 141.4 262.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-Xylene

Concen: 2.349 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV014537.D

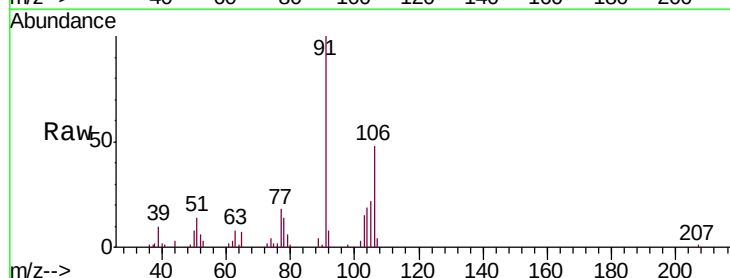
Acq: 07 Feb 2020 14:32

Tgt Ion:106 Resp: 9742

Ion Ratio Lower Upper

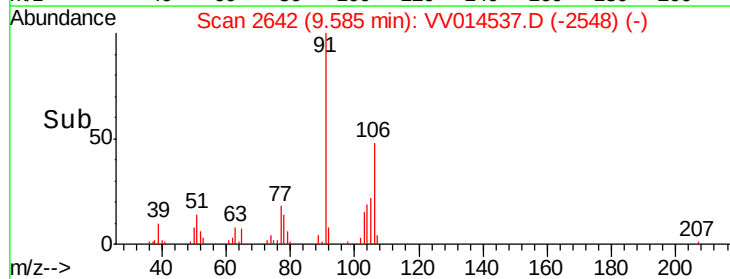
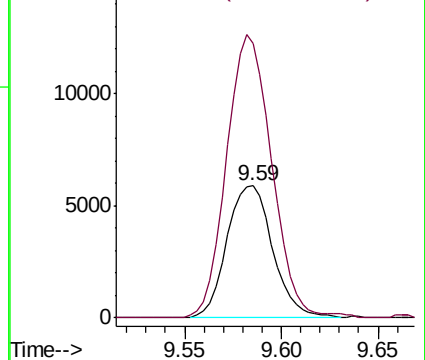
106 100

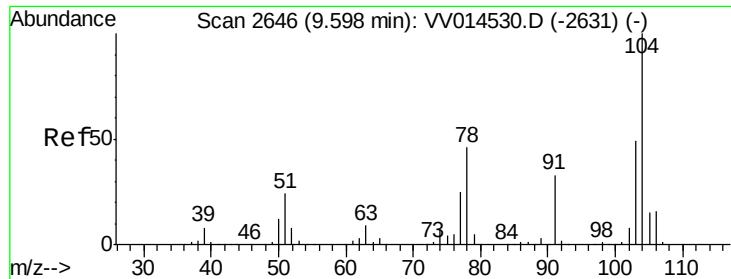
91 208.0 149.4 277.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Styrene

Concen: 2.235 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Instrument :

MSVOA_V

ClientSampleID :

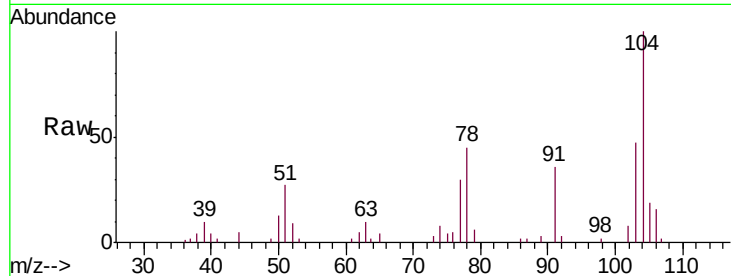
MDL01

Tgt Ion:104 Resp: 15841

Ion Ratio Lower Upper

104 100

78 45.0 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): VV014537.D (-2553) (-)

Ion 78.00 (77.70 to 78.70): VV014537.D (-2553) (-)

9.60

8000

6000

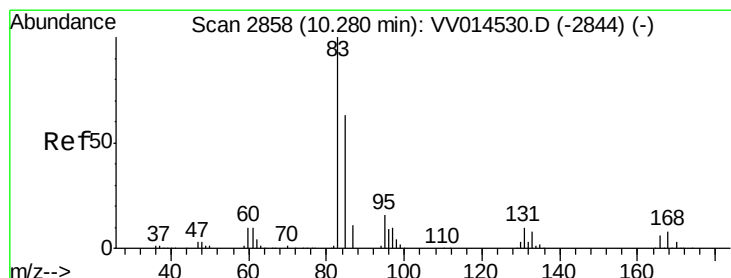
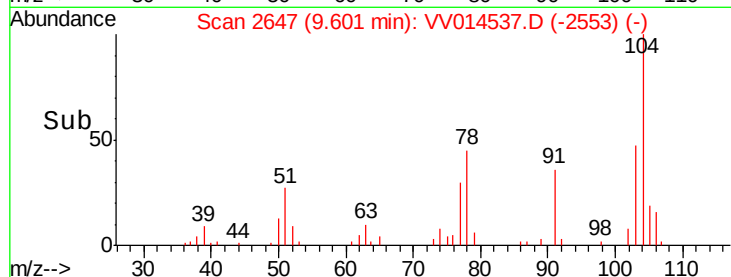
4000

2000

0

9.55 9.60 9.65

Time-->



#57

1,1,2,2-Tetrachloroethane

Concen: 2.687 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

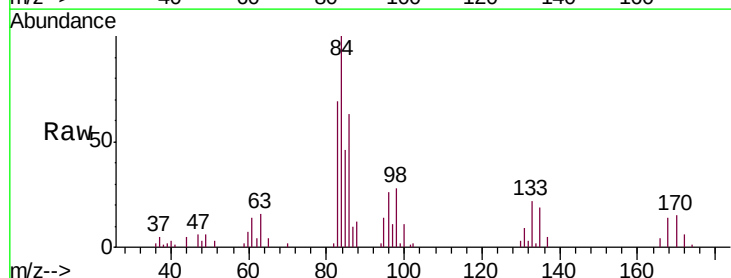
Tgt Ion: 83 Resp: 9628

Ion Ratio Lower Upper

83 100

85 66.9 45.2 84.0

131 12.7 7.8 11.8#



Abundance Ion 83.00 (82.70 to 83.70): VV014537.D (-2765) (-)

Ion 85.00 (84.70 to 85.70): VV014537.D (-2765) (-)

Ion 131.00 (130.70 to 131.70): VV014537.D (-2765) (-)

10.28

6000

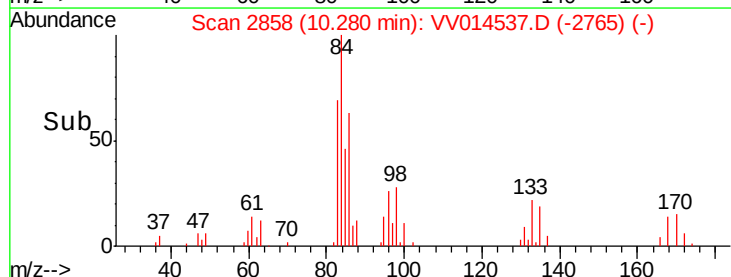
4000

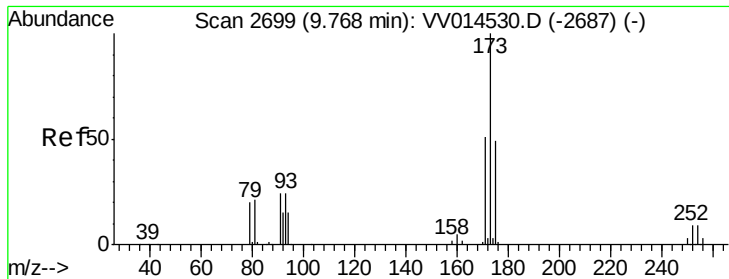
2000

0

10.20 10.25 10.30

Time-->





#59

Bromoform

Concen: 2.031 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

MDL01

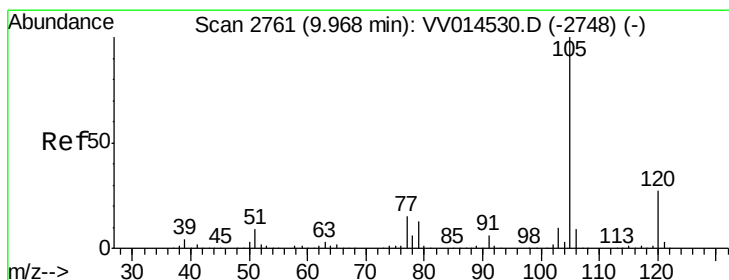
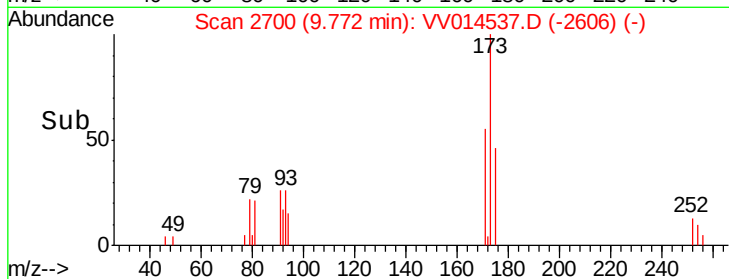
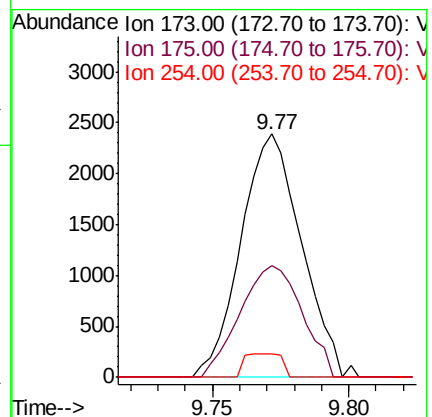
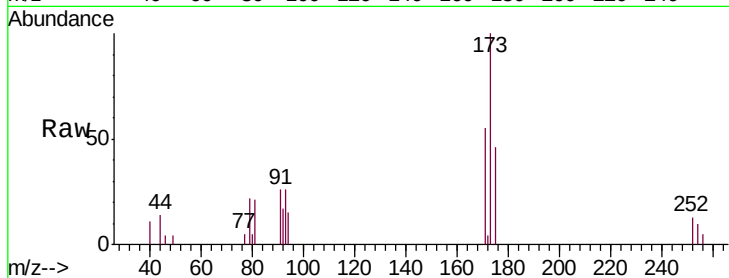
Tgt Ion:173 Resp: 3668

Ion Ratio Lower Upper

173 100

175 47.4 37.8 56.8

254 3.6 7.0 10.6#



#60

Isopropylbenzene

Concen: 2.294 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

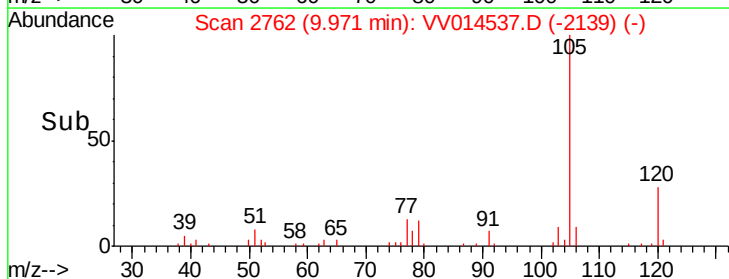
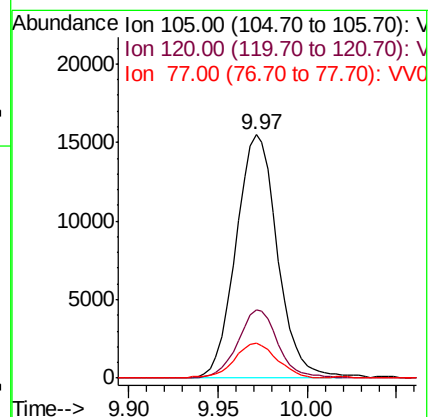
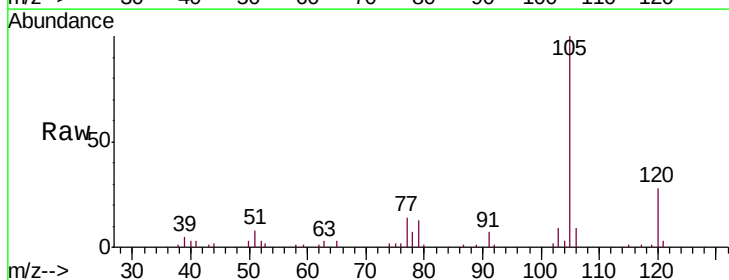
Tgt Ion:105 Resp: 25121

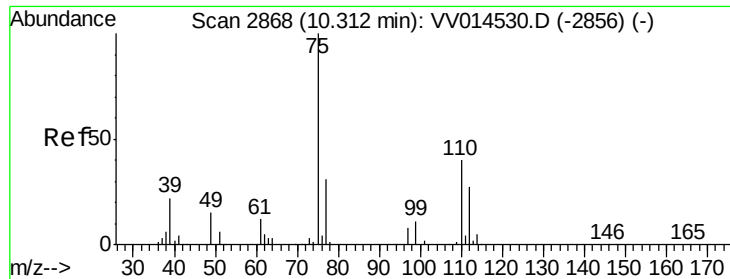
Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

77 14.5 12.2 18.4





#61

1,2,3-Trichloropropane

Concen: 2.413 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

MDL01

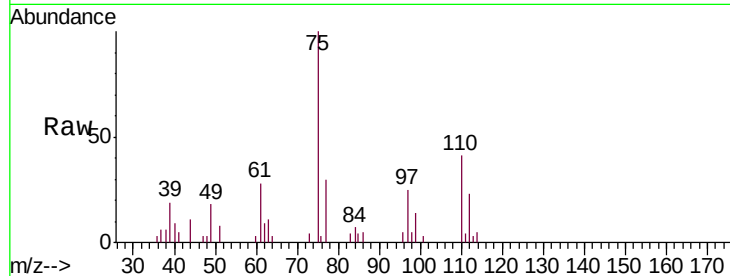
Tgt Ion: 75 Resp: 6918

Ion Ratio Lower Upper

75 100

77 35.2 25.8 38.8

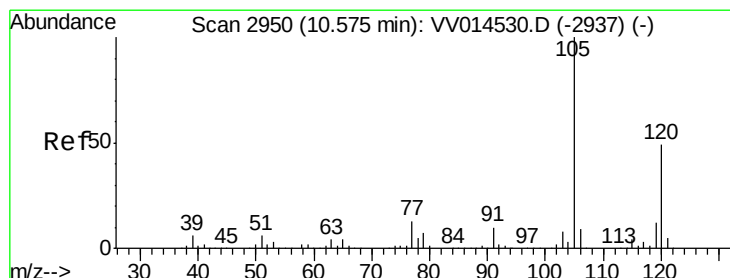
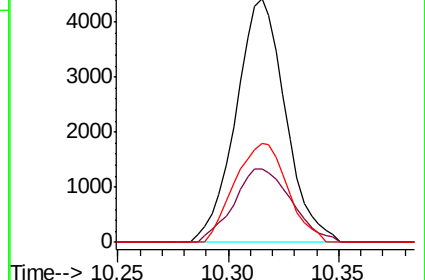
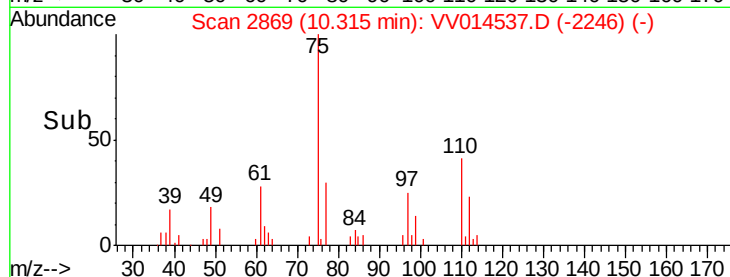
110 43.3 32.4 48.6



Abundance Ion 75.00 (74.70 to 75.70): VV014537.D (-2246) (-)

Ion 77.00 (76.70 to 77.70): VV014537.D (-2246) (-)

Ion 110.00 (109.70 to 110.70): VV014537.D (-2246) (-)



#62

1,3,5-Trimethylbenzene

Concen: 2.240 ug/L

RT: 10.58 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VV014537.D

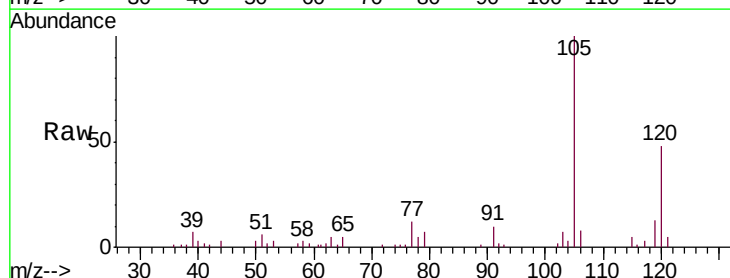
Acq: 07 Feb 2020 14:32

Tgt Ion: 105 Resp: 20993

Ion Ratio Lower Upper

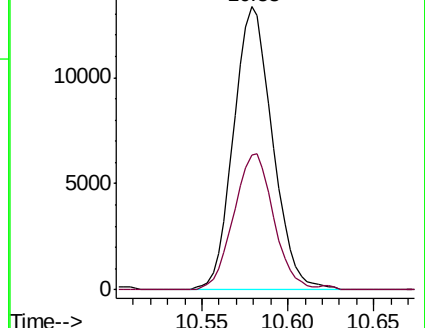
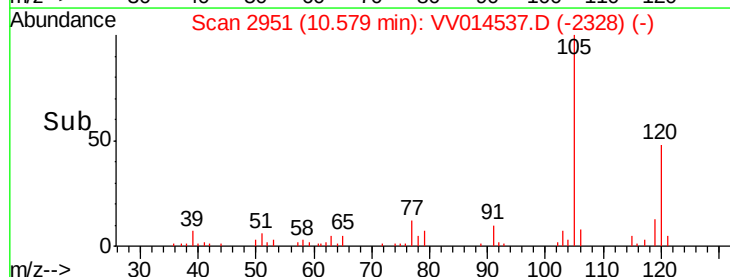
105 100

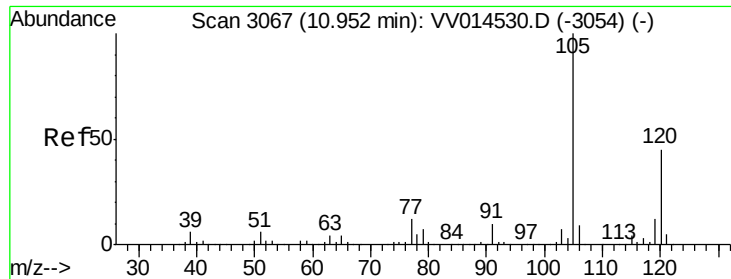
120 49.0 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): VV014537.D (-2328) (-)

Ion 120.00 (119.70 to 120.70): VV014537.D (-2328) (-)

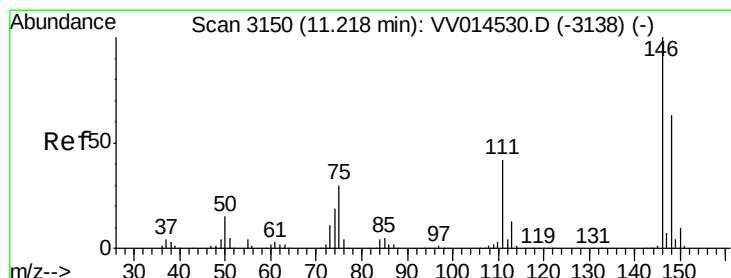
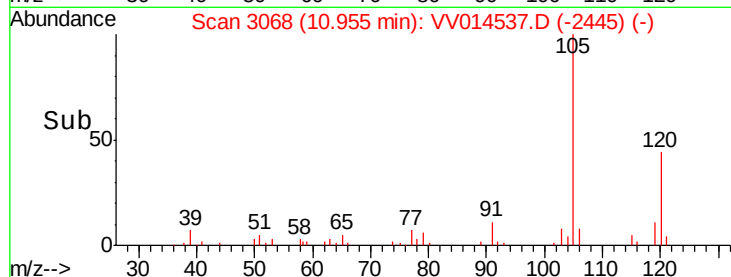
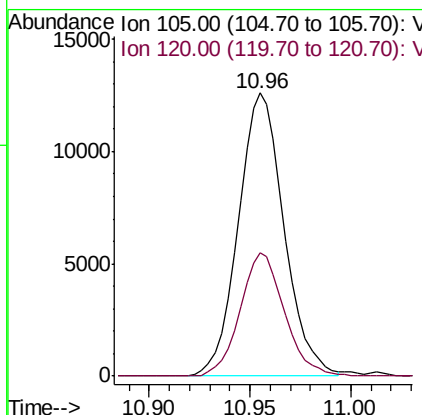
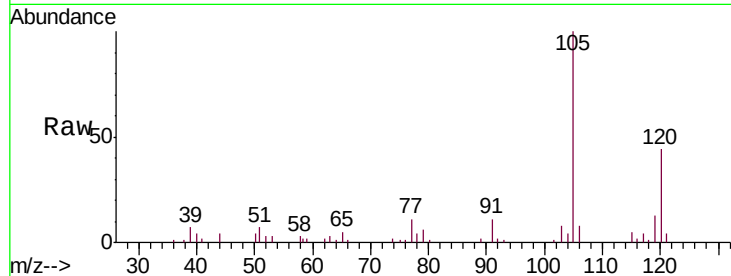




#63
 1,2,4-Trimethylbenzene
 Concen: 2.161 ug/L
 RT: 10.96 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV014537.D
 Acq: 07 Feb 2020 14:32

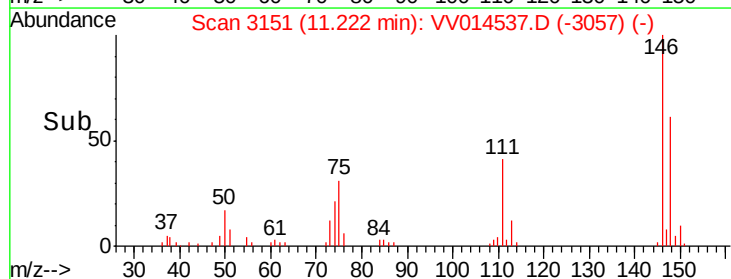
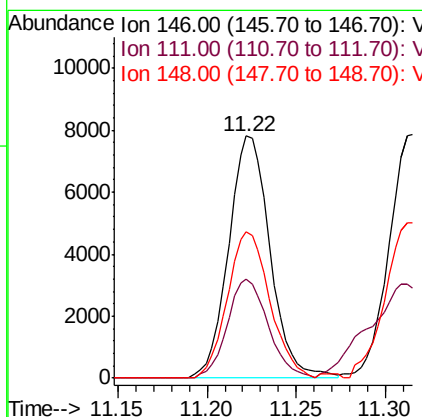
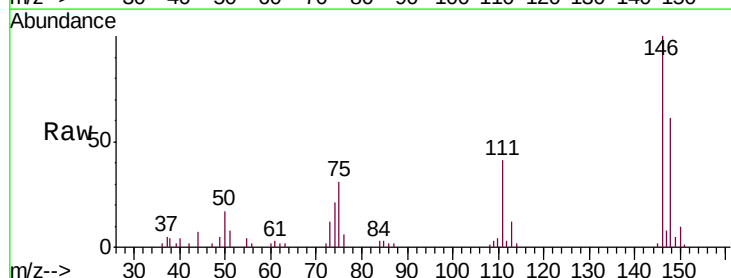
Instrument :
 MSVOA_V
 ClientSampleID :
 MDL01

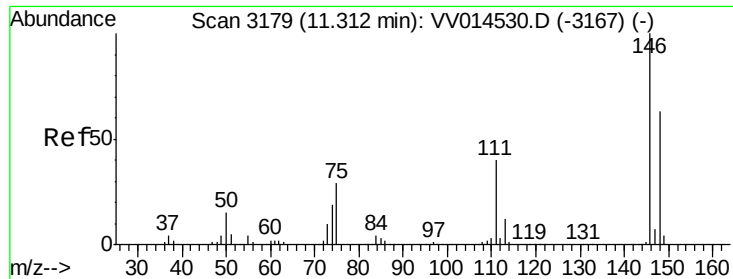
Tgt Ion:105 Resp: 19966
 Ion Ratio Lower Upper
 105 100
 120 42.1 36.2 54.4



#64
 1,3-Dichlorobenzene
 Concen: 2.453 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014537.D
 Acq: 07 Feb 2020 14:32

Tgt Ion:146 Resp: 12672
 Ion Ratio Lower Upper
 146 100
 111 40.9 28.9 53.7
 148 60.6 44.4 82.5

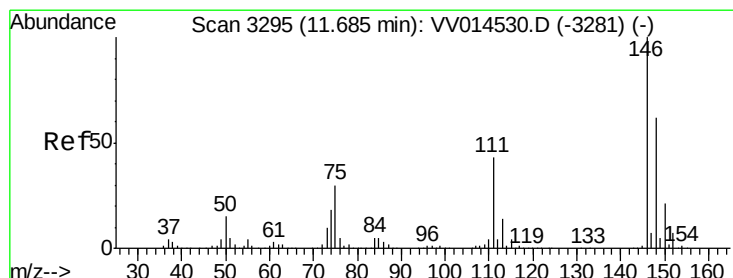
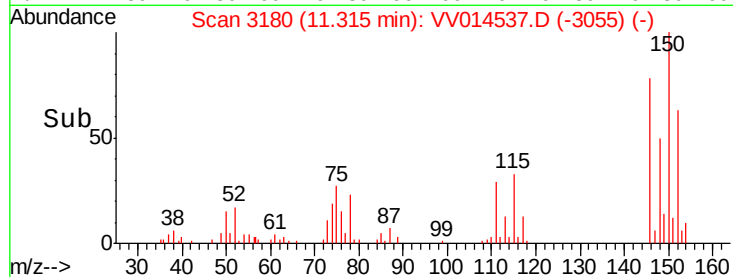
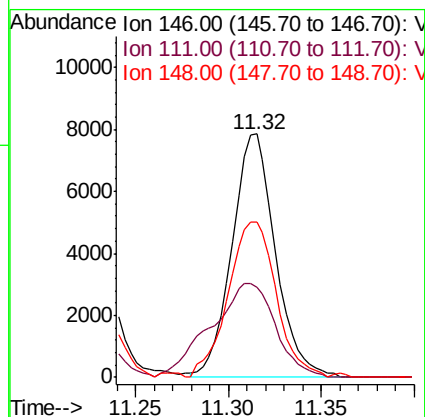
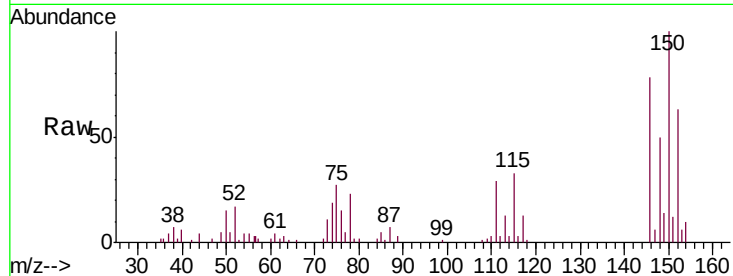




#65
 1,4-Dichlorobenzene
 Concen: 2.406 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV014537.D
 Acq: 07 Feb 2020 14:32

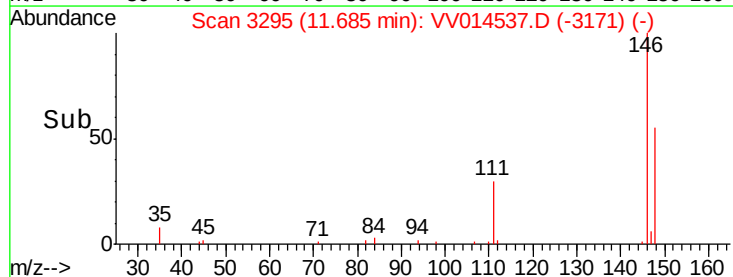
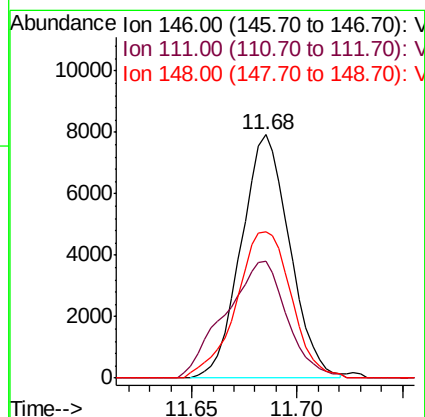
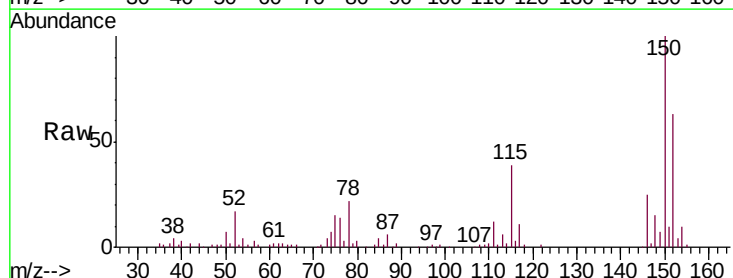
Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

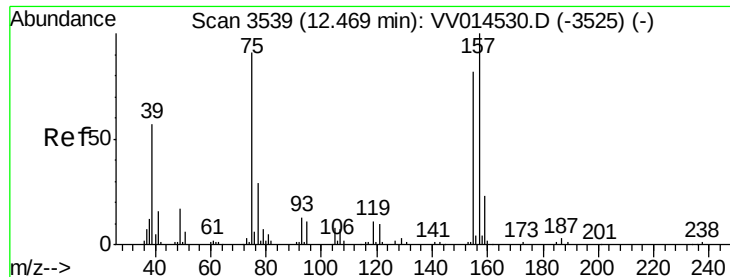
Tgt Ion:146 Resp: 12795
 Ion Ratio Lower Upper
 146 100
 111 37.2 28.1 52.3
 148 63.9 44.4 82.4



#67
 1,2-Dichlorobenzene
 Concen: 2.524 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014537.D
 Acq: 07 Feb 2020 14:32

Tgt Ion:146 Resp: 12640
 Ion Ratio Lower Upper
 146 100
 111 47.7 34.6 51.8
 148 60.1 50.2 75.4





#68

1,2-Dibromo-3-chloropropane

Concen: 2.294 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

MDL01

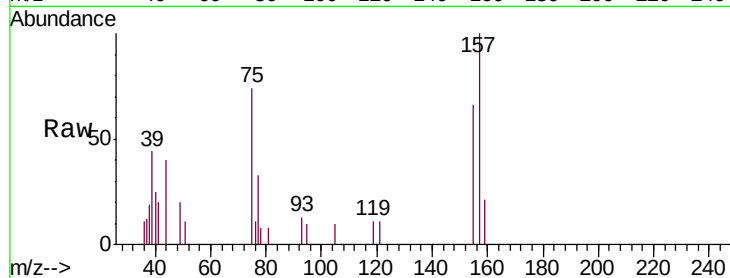
Tgt Ion: 75 Resp: 1842

Ion Ratio Lower Upper

75 100

155 88.9 68.3 102.5

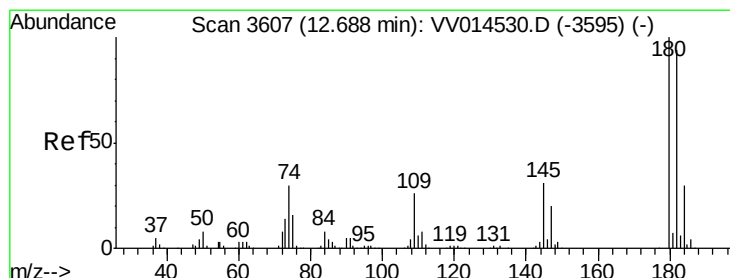
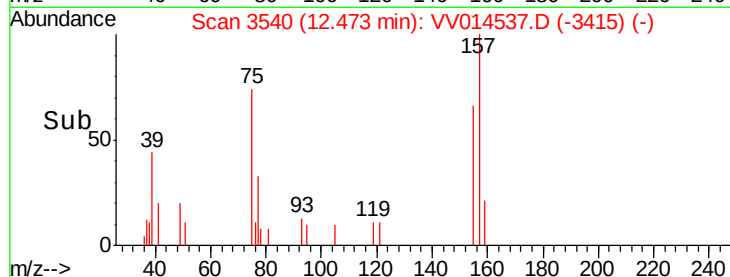
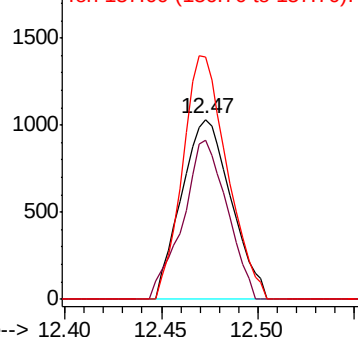
157 134.5 87.1 130.7#



Abundance Ion 75.00 (74.70 to 75.70): VV014537.D (-3525) (-)

Ion 155.00 (154.70 to 155.70): VV014537.D (-3525) (-)

Ion 157.00 (156.70 to 157.70): VV014537.D (-3525) (-)



#69

1,3,5-Trichlorobenzene

Concen: 2.334 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV014537.D

Acq: 07 Feb 2020 14:32

Tgt Ion: 180 Resp: 8492

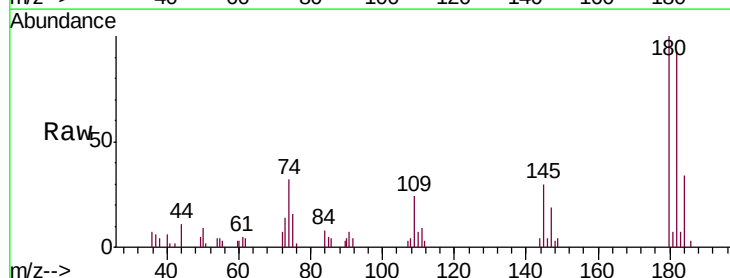
Ion Ratio Lower Upper

180 100

182 91.9 75.0 112.4

184 31.9 24.2 36.2

145 28.6 24.3 36.5

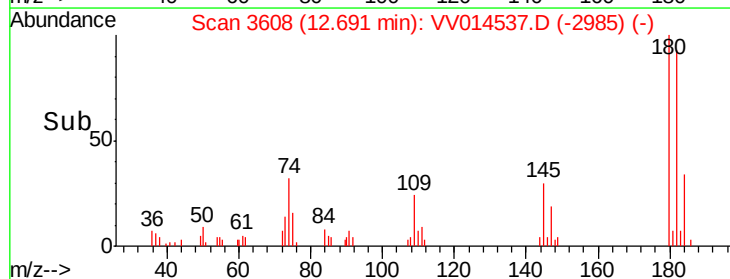
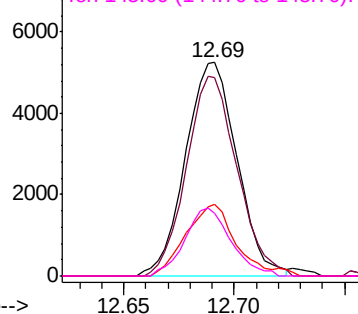


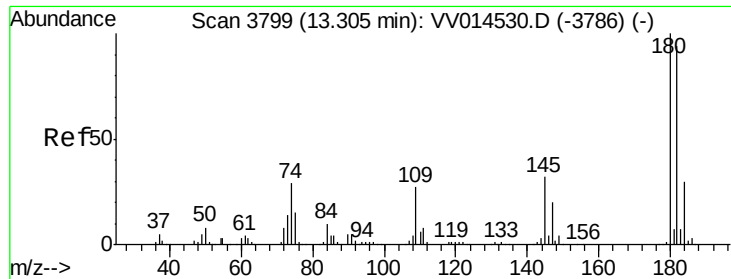
Abundance Ion 180.00 (179.70 to 180.70): VV014537.D (-3595) (-)

Ion 182.00 (181.70 to 182.70): VV014537.D (-3595) (-)

Ion 184.00 (183.70 to 184.70): VV014537.D (-3595) (-)

Ion 145.00 (144.70 to 145.70): VV014537.D (-3595) (-)

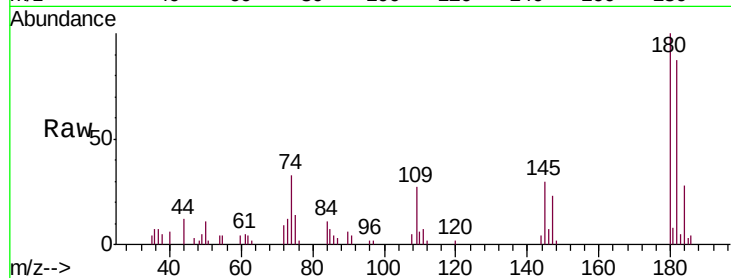




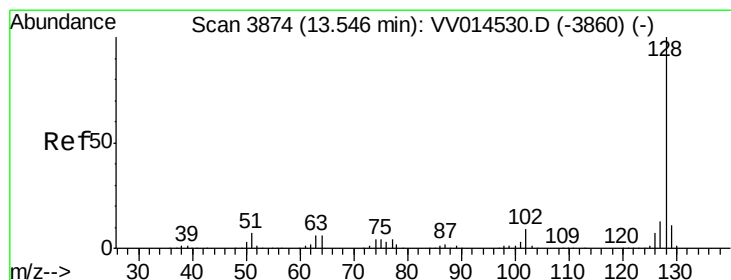
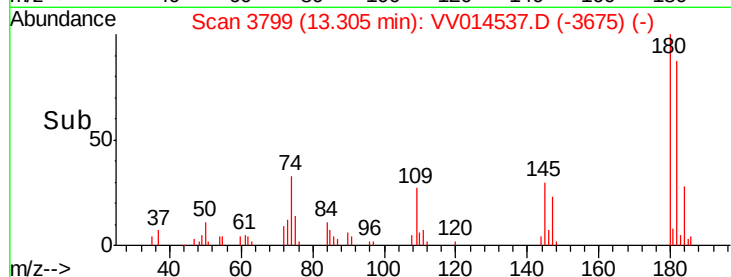
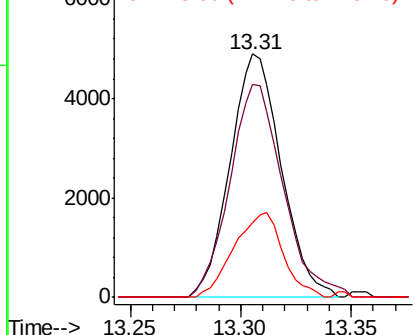
#70
 1,2,4-trichlorobenzene
 Concen: 2.359 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014537.D
 Acq: 07 Feb 2020 14:32

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion:180 Resp: 7880
 Ion Ratio Lower Upper
 180 100
 182 91.1 76.0 114.0
 145 33.4 25.3 37.9

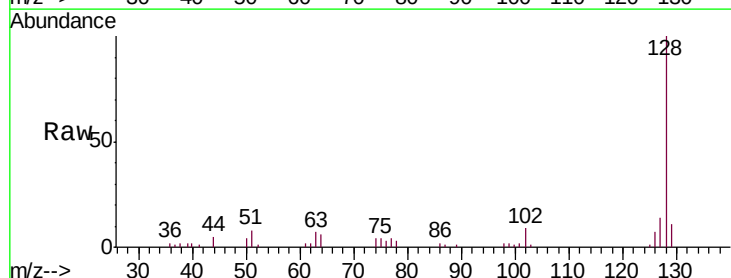


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

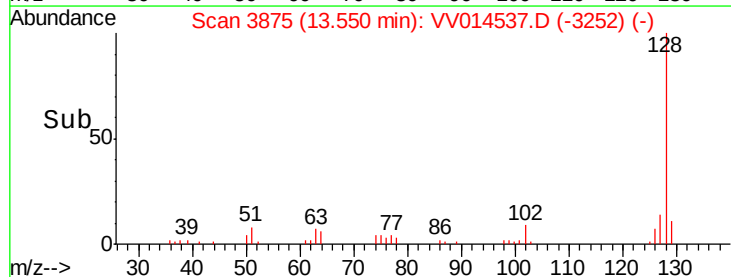
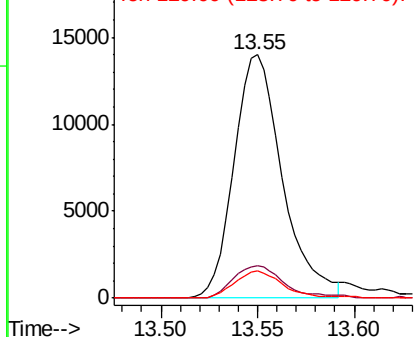


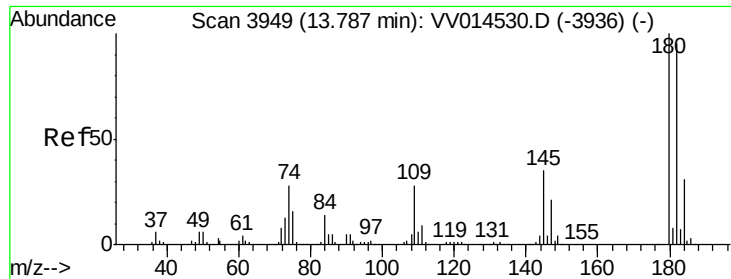
#71
 Naphthalene
 Concen: 2.224 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV014537.D
 Acq: 07 Feb 2020 14:32

Tgt Ion:128 Resp: 24409
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.3 15.5
 129 11.1 8.7 13.1



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: 2.273 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV014537.D
 Acq: 07 Feb 2020 14:32

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion:180 Resp: 7379
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.2 112.8
 145 32.3 27.1 40.7

