

Data File : VV014536.D
Acq On : 07 Feb 2020 14:08
Operator : SY/MD
Sample : MDL04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Quant Time: Feb 08 00:06:15 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	348945	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	326915	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	164217	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80719	42.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.32%
7) Chloroethane-d5	1.59	69	57509	44.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.13	63	100326	34.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.82%
21) 2-Butanone-d5	3.92	46	146000	99.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.95%
24) Chloroform-d	4.40	84	203920	47.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.58%
26) 1,2-Dichloroethane-d4	5.08	65	132504	50.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.68%
32) Benzene-d6	5.10	84	439952	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.11	67	136862	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.62%
41) Toluene-d8	7.36	98	414129	49.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.36%
43) trans-1,3-Dichloropropene-	7.66	79	70591	47.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.86%
47) 2-Hexanone-d5	8.13	63	119771	101.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.42%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	179757	49.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.74%
66) 1,2-Dichlorobenzene-d4	11.67	152	158585	50.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.70%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	6959	2.490 ug/L	97
3) Chloromethane	1.26	50	7076	2.500 ug/L	90
5) Vinyl chloride	1.33	62	5207	2.402 ug/L #	67
6) Bromomethane	1.54	94	2216	2.223 ug/L	87
8) Chloroethane	1.60	64	2444	2.269 ug/L	97
9) Trichlorofluoromethane	1.77	101	8028	2.749 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4256	3.035 ug/L	86
12) 1,1-Dichloroethene	2.15	96	3794	2.829 ug/L #	1
13) Acetone	2.18	43	6206	5.074 ug/L	97
14) Carbon disulfide	2.32	76	15886	2.440 ug/L	98
15) Methyl Acetate	2.46	43	5586	2.375 ug/L	97
16) Methylene chloride	2.54	84	7052	2.769 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	6222	2.633 ug/L	97
18) Methyl tert-butyl Ether	2.80	73	18259	2.440 ug/L	97
19) 1,1-Dichloroethane	3.23	63	10691	2.530 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	7005	2.634 ug/L	85
23) Bromochloromethane	4.30	128	3279	2.604 ug/L	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.42	83	17198	4.003	ug/L	99
27) 1,2-Dichloroethane	5.18	62	8345	2.607	ug/L #	93
29) Cyclohexane	4.72	56	9719	2.418	ug/L	95
30) 1,1,1-Trichloroethane	4.66	97	9566	2.564	ug/L	99
31) Carbon tetrachloride	4.88	117	8254	2.508	ug/L	94
33) Benzene	5.15	78	23967	2.494	ug/L	100
34) Trichloroethene	5.96	95	6166	2.420	ug/L	94
35) Methylcyclohexane	6.18	83	9663	2.321	ug/L	95
37) 1,2-Dichloropropane	6.22	63	6859	2.802	ug/L #	92
38) Bromodichloromethane	6.55	83	8421	2.563	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	9737	2.384	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	13933	4.404	ug/L	98
42) Toluene	7.43	91	27210	2.641	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	9223	2.519	ug/L	93
45) 1,1,2-Trichloroethane	7.88	97	5545	2.361	ug/L	96
46) Tetrachloroethene	8.02	164	4990	2.568	ug/L	96
48) 2-Hexanone	8.18	43	13654	5.606	ug/L #	92
49) Dibromochloromethane	8.29	129	6343	2.392	ug/L	92
50) 1,2-Dibromoethane	8.39	107	6509	2.559	ug/L	99
51) Chlorobenzene	8.92	112	17123	2.544	ug/L	99
52) Ethylbenzene	9.05	91	28722	2.485	ug/L	99
53) m,p-Xylene	9.18	106	11246	2.526	ug/L	88
54) o-Xylene	9.58	106	10826	2.541	ug/L	93
55) Styrene	9.60	104	17866	2.454	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.28	83	10014	2.720	ug/L #	96
59) Bromoform	9.77	173	4195	2.290	ug/L #	96
60) Isopropylbenzene	9.97	105	27485	2.475	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	7598	2.613	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	22020	2.316	ug/L	94
63) 1,2,4-Trimethylbenzene	10.96	105	22189	2.367	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	13828	2.640	ug/L	94
65) 1,4-Dichlorobenzene	11.31	146	14292	2.650	ug/L	96
67) 1,2-Dichlorobenzene	11.68	146	13714	2.700	ug/L	91
68) 1,2-Dibromo-3-chloropropan	12.47	75	2178	2.674	ug/L	97
69) 1,3,5-Trichlorobenzene	12.69	180	8861	2.401	ug/L	96
70) 1,2,4-trichlorobenzene	13.31	180	8319	2.455	ug/L	97
71) Naphthalene	13.55	128	27067	2.432	ug/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	8115	2.465	ug/L	98

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

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ClientSampleId :
MDL04

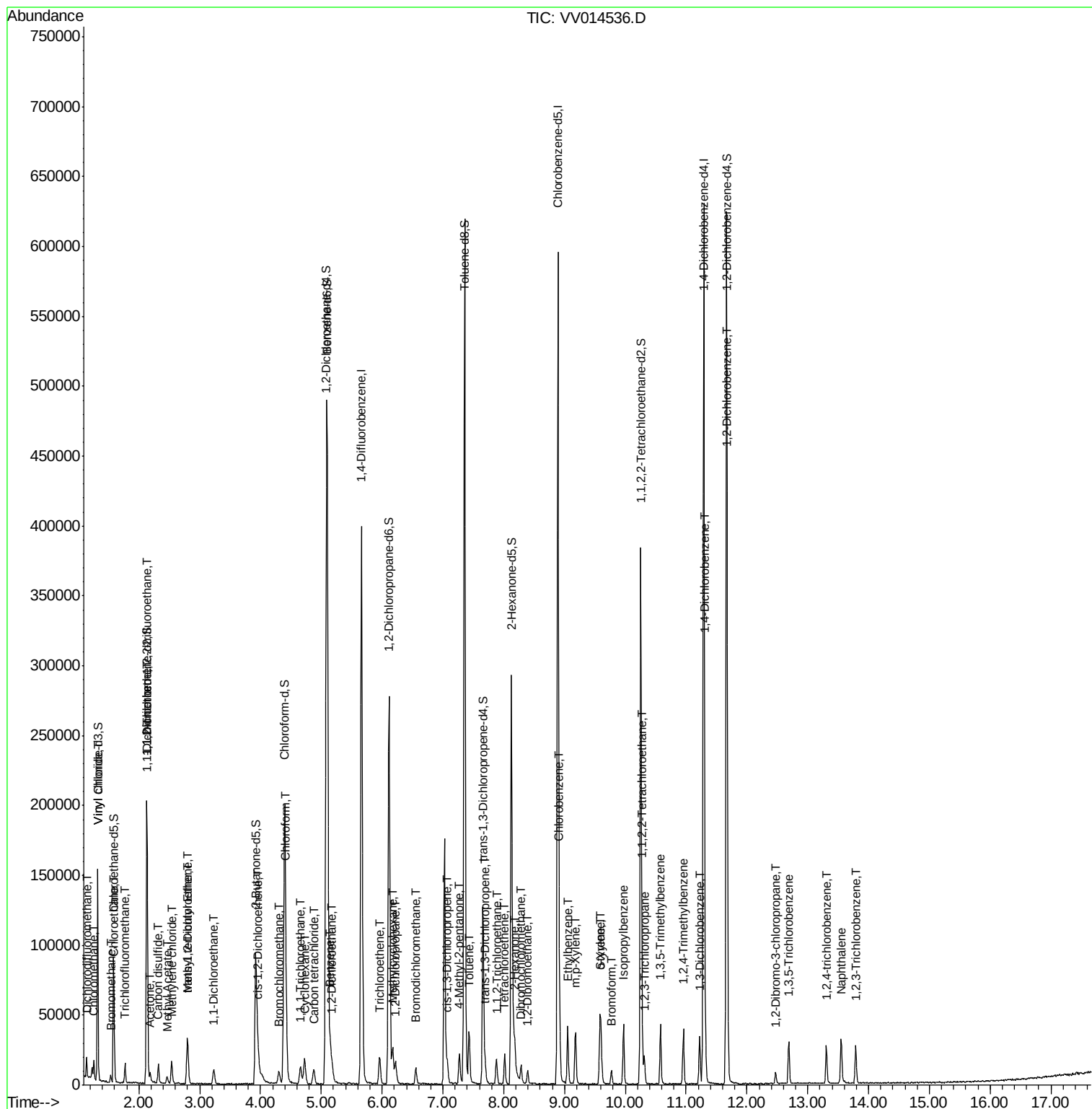
Quant Time: Feb 08 00:06:15 2020

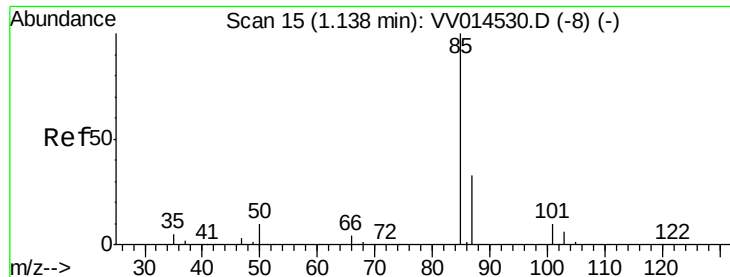
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\SFAMVLM020620W.M

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#2

Dichlorodifluoromethane

Concen: 2.490 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Instrument :

MSVOA_V

ClientSampleId :

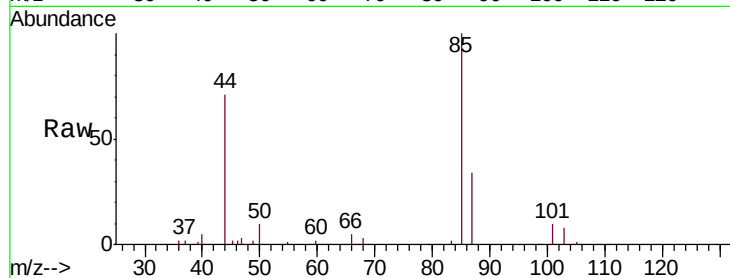
MDL04

Tgt Ion: 85 Resp: 6959

Ion Ratio Lower Upper

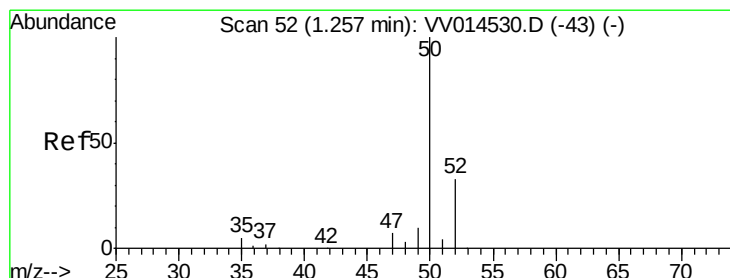
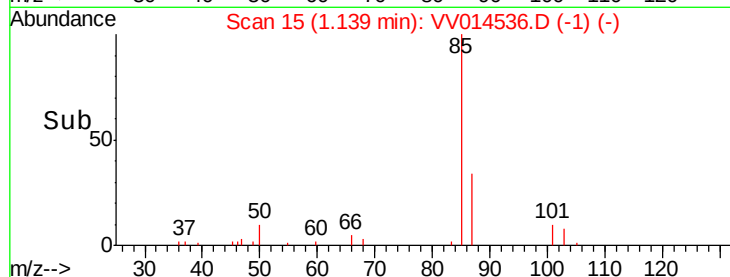
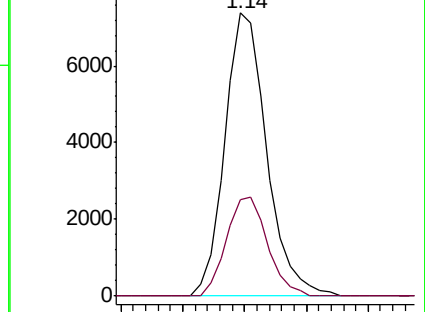
85 100

87 34.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV014536.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014536.D (-8) (-)



#3

Chloromethane

Concen: 2.500 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014536.D

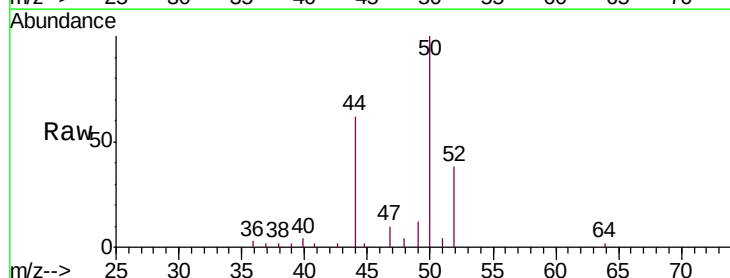
Acq: 07 Feb 2020 14:08

Tgt Ion: 50 Resp: 7076

Ion Ratio Lower Upper

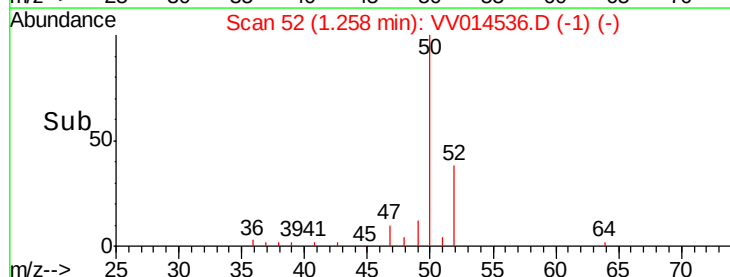
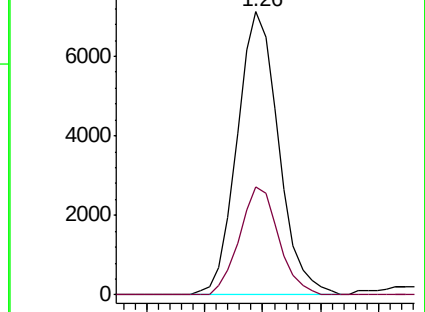
50 100

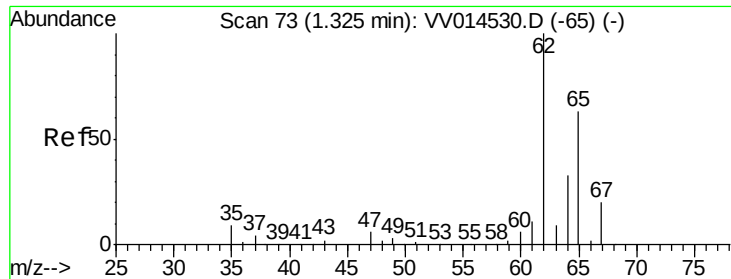
52 38.1 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV014536.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV014536.D (-43) (-)





#5

Vinyl chloride

Concen: 2.402 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Instrument :

MSVOA_V

ClientSampled :

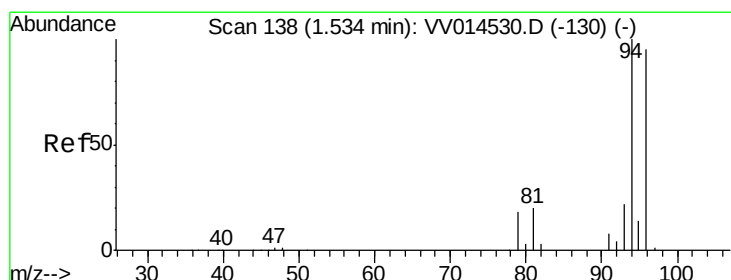
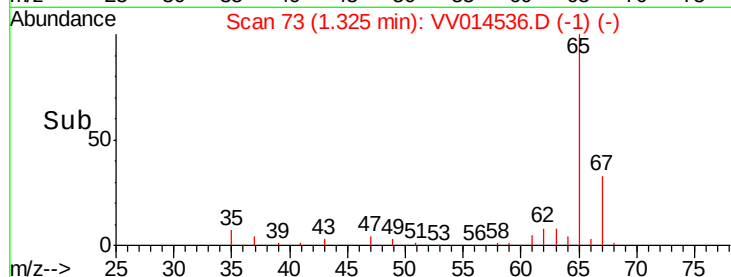
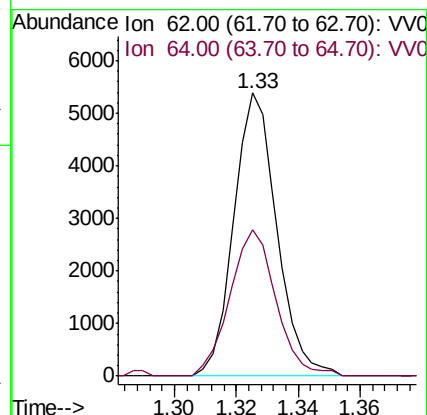
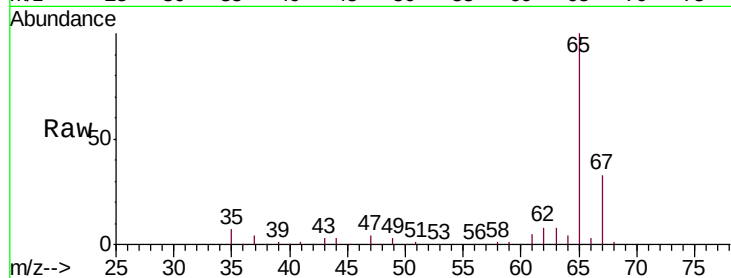
MDL04

Tgt Ion: 62 Resp: 5207

Ion Ratio Lower Upper

62 100

64 51.6 23.1 42.9#



#6

Bromomethane

Concen: 2.223 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014536.D

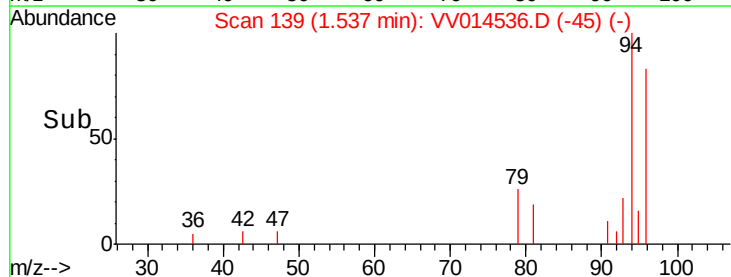
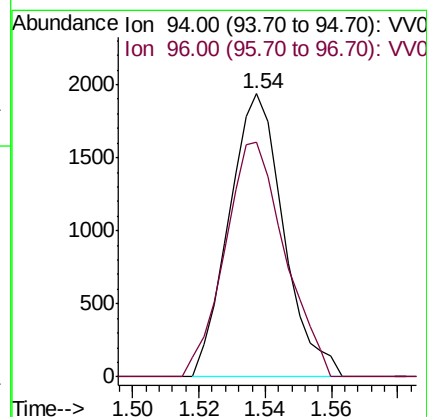
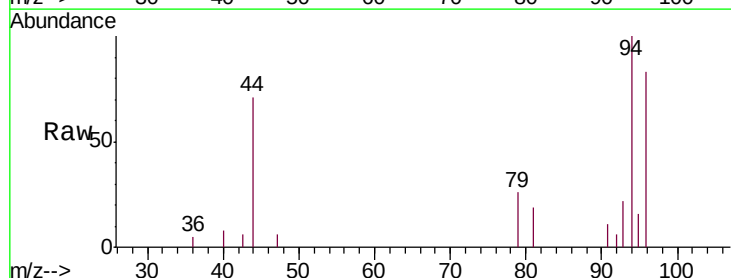
Acq: 07 Feb 2020 14:08

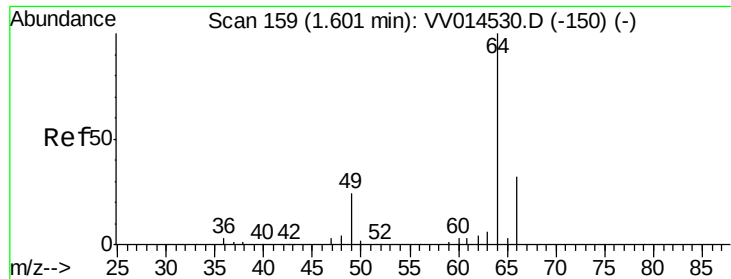
Tgt Ion: 94 Resp: 2216

Ion Ratio Lower Upper

94 100

96 83.1 67.3 124.9





#8

Chloroethane

Concen: 2.269 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Instrument :

MSVOA_V

ClientSampleId :

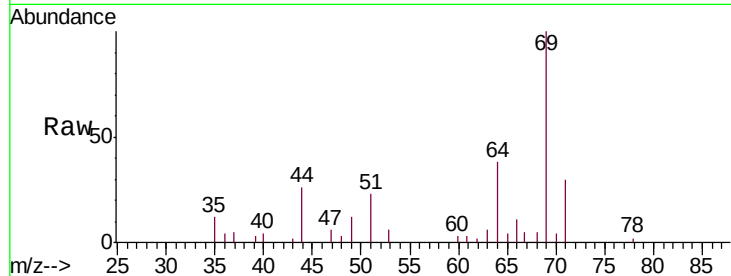
MDL04

Tgt Ion: 64 Resp: 2444

Ion Ratio Lower Upper

64 100

66 30.2 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VV014530.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014530.D (-150) (-)

1.60

2000

1500

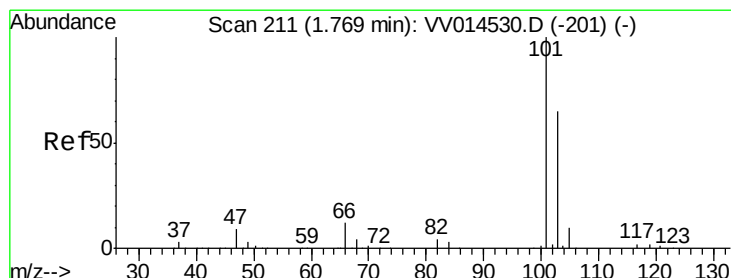
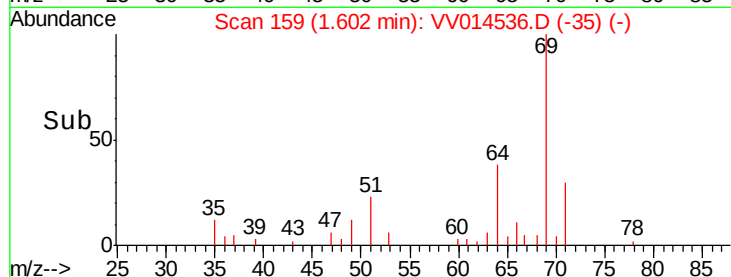
1000

500

0

1.56 1.58 1.60 1.62 1.64

Time-->



#9

Trichlorofluoromethane

Concen: 2.749 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014536.D

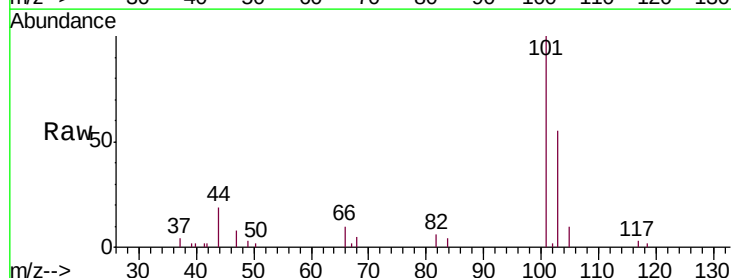
Acq: 07 Feb 2020 14:08

Tgt Ion: 101 Resp: 8028

Ion Ratio Lower Upper

101 100

103 57.8 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV014530.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014530.D (-201) (-)

1.77

6000

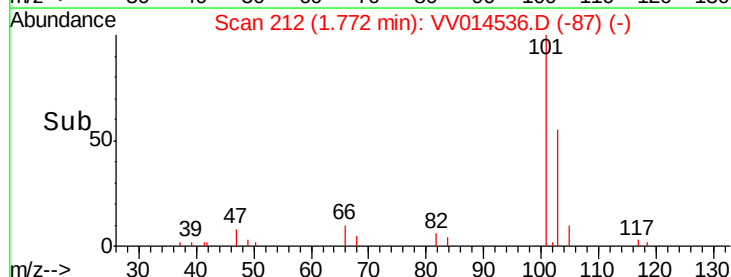
4000

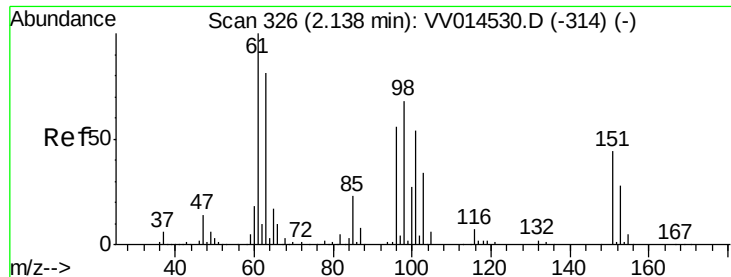
2000

0

1.75 1.77 1.79 1.81

Time-->





#10

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

Concen: 3.035 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Instrument :

MSVOA_V

ClientSampleId :

MDL04

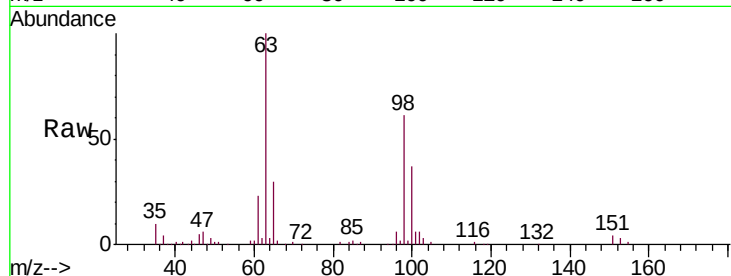
Tgt Ion: 101 Resp: 4256

Ion Ratio Lower Upper

101 100

85 38.9 35.0 52.6

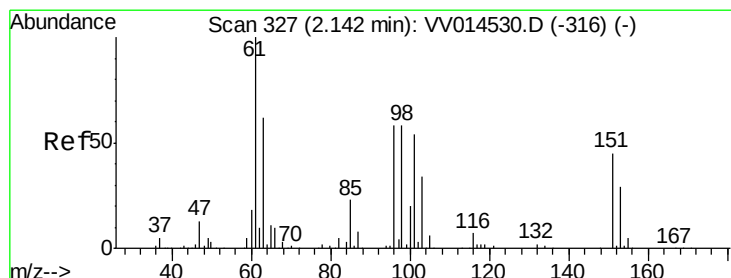
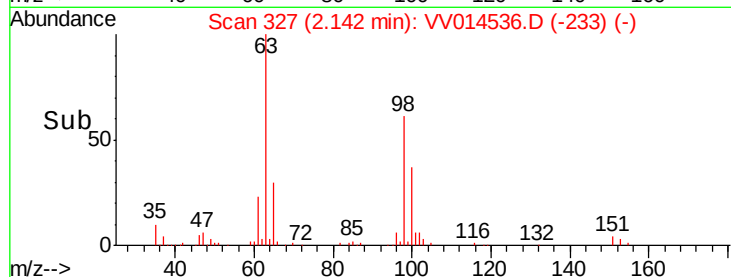
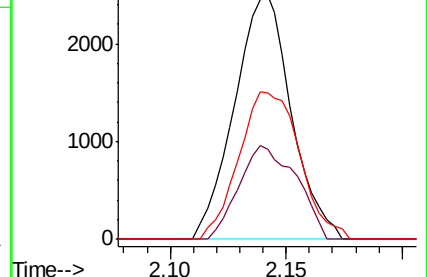
151 64.7 64.4 96.6



Abundance Ion 101.00 (100.70 to 101.70): VV014536.D (-327) (-)

Ion 85.00 (84.70 to 85.70): VV014536.D (-327) (-)

Ion 151.00 (150.70 to 151.70): VV014536.D (-327) (-)



#12

1,1-Dichloroethene

Concen: 2.829 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

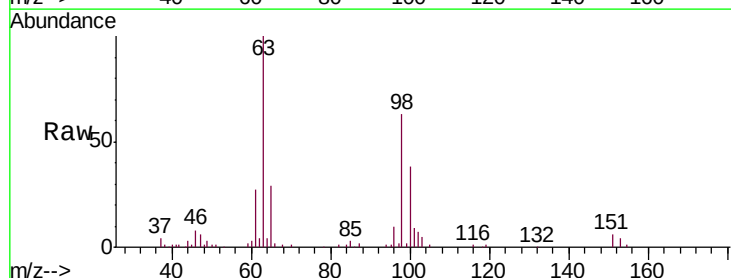
Tgt Ion: 96 Resp: 3794

Ion Ratio Lower Upper

96 100

61 281.7 125.0 232.2#

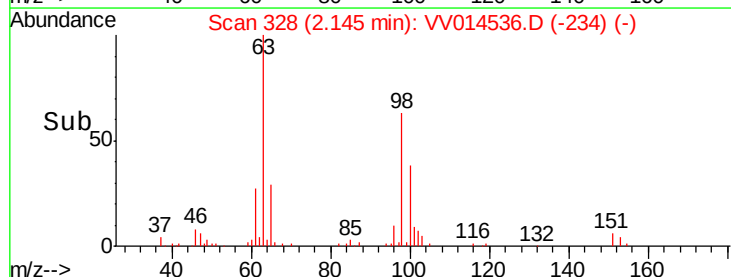
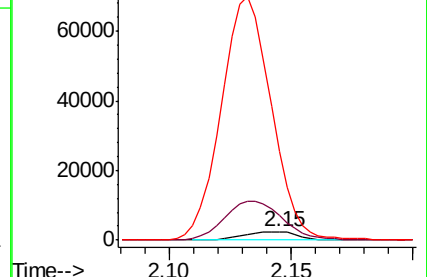
63 1029.3 101.6 188.6#

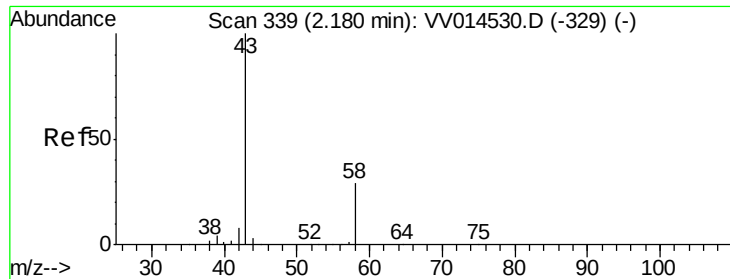


Abundance Ion 96.00 (95.70 to 96.70): VV014536.D (-328) (-)

Ion 61.00 (60.70 to 61.70): VV014536.D (-328) (-)

Ion 63.00 (62.70 to 63.70): VV014536.D (-328) (-)





#13

Acetone

Concen: 5.074 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Instrument :

MSVOA_V

ClientSampleId :

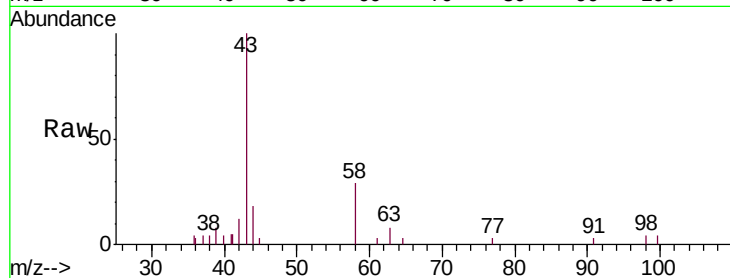
MDL04

Tgt Ion: 43 Resp: 6206

Ion Ratio Lower Upper

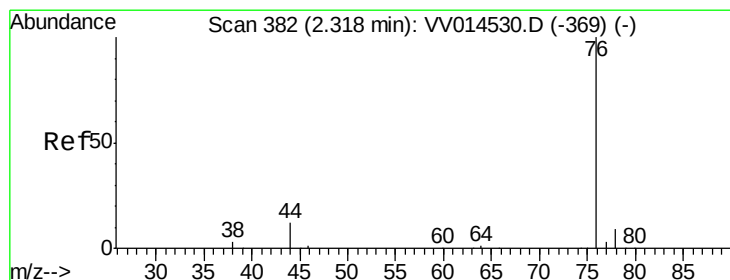
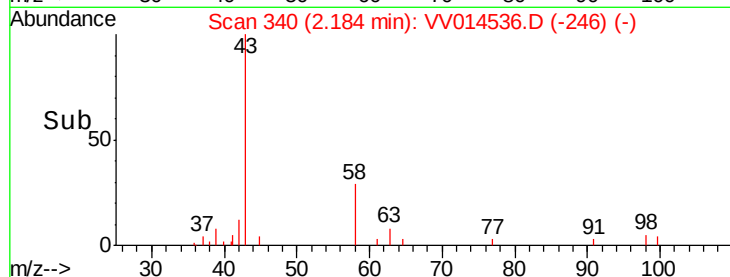
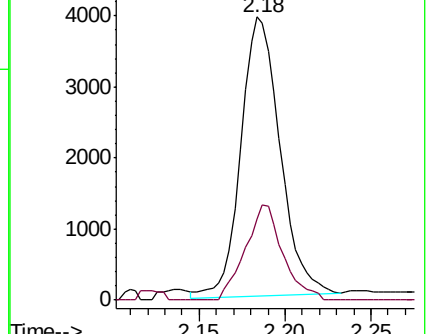
43 100

58 32.6 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VV014536.D (-246) (-)

Ion 58.00 (57.70 to 58.70): VV014536.D (-246) (-)



#14

Carbon disulfide

Concen: 2.440 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014536.D

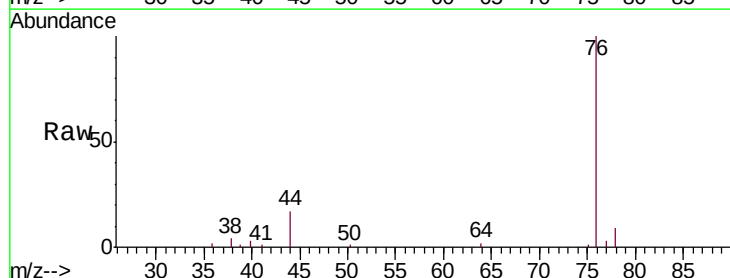
Acq: 07 Feb 2020 14:08

Tgt Ion: 76 Resp: 15886

Ion Ratio Lower Upper

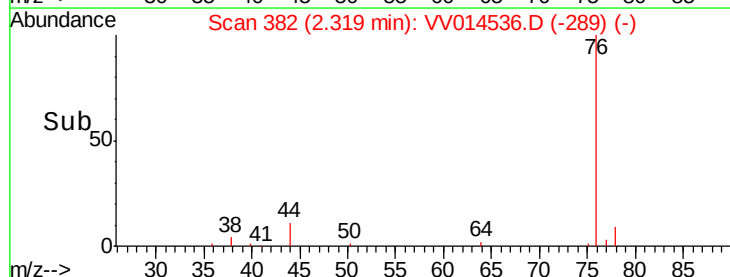
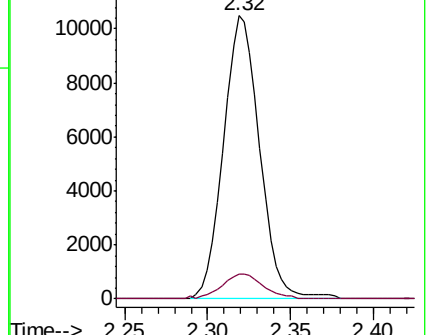
76 100

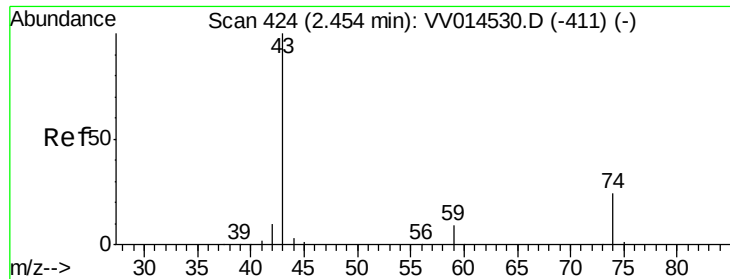
78 8.7 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV014536.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV014536.D (-289) (-)

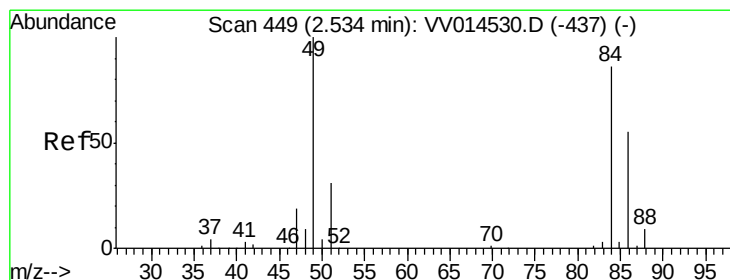
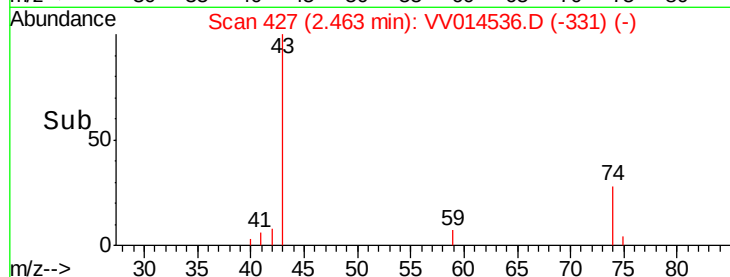
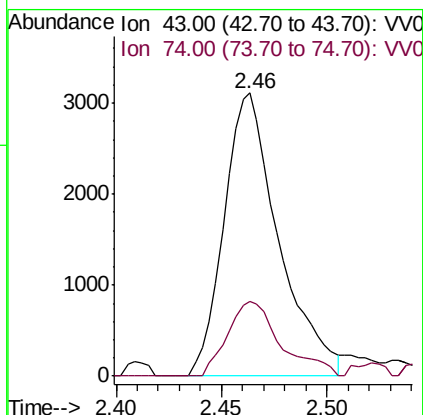
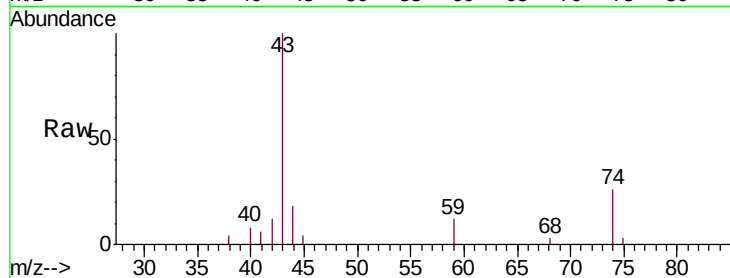




#15
Methyl Acetate
Concen: 2.375 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VV014536.D
Acq: 07 Feb 2020 14:08

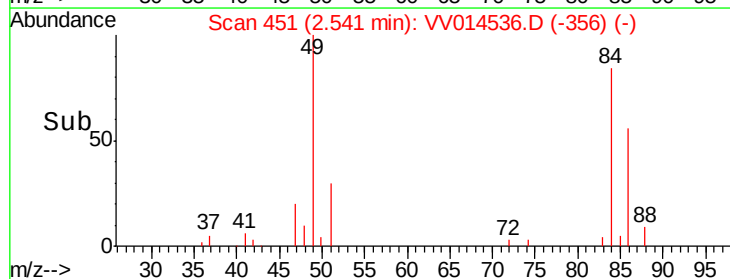
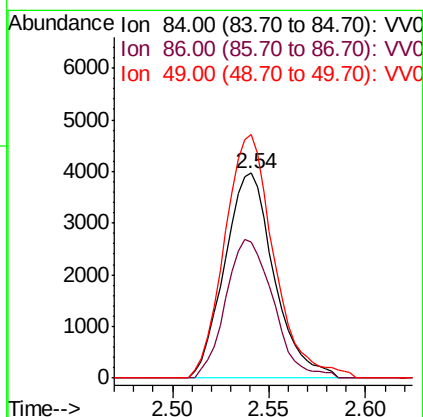
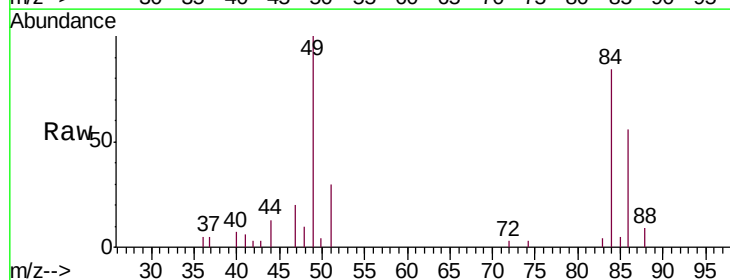
Instrument :
MSVOA_V
ClientSampleId :
MDL04

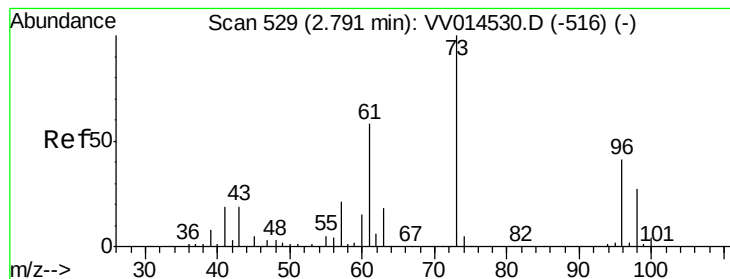
Tgt Ion: 43 Resp: 5586
Ion Ratio Lower Upper
43 100
74 25.8 19.4 29.0



#16
Methylene chloride
Concen: 2.769 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.01 min
Lab File: VV014536.D
Acq: 07 Feb 2020 14:08

Tgt Ion: 84 Resp: 7052
Ion Ratio Lower Upper
84 100
86 66.6 44.6 82.8
49 118.8 83.2 154.4





#17

trans-1,2-Dichloroethene

Concen: 2.633 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Instrument :

MSVOA_V

ClientSampleID :

MDL04

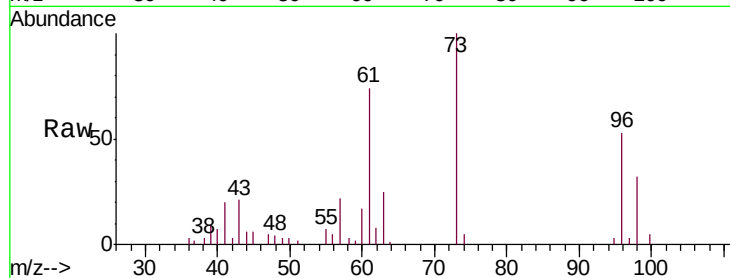
Tgt Ion: 96 Resp: 6222

Ion Ratio Lower Upper

96 100

61 138.9 95.8 178.0

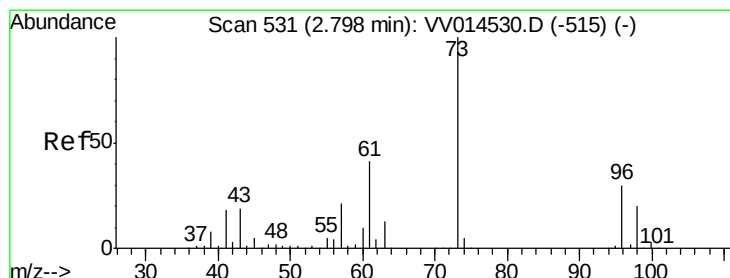
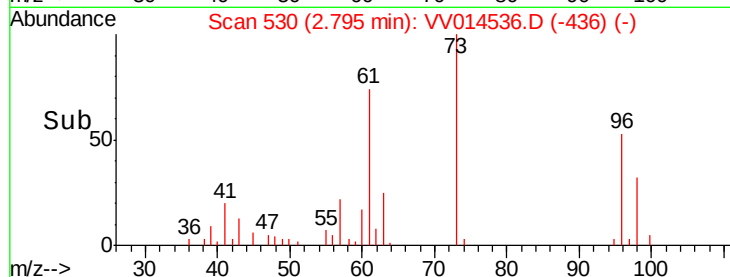
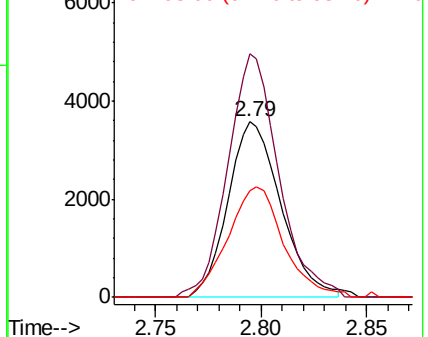
98 61.0 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 2.440 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.01 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

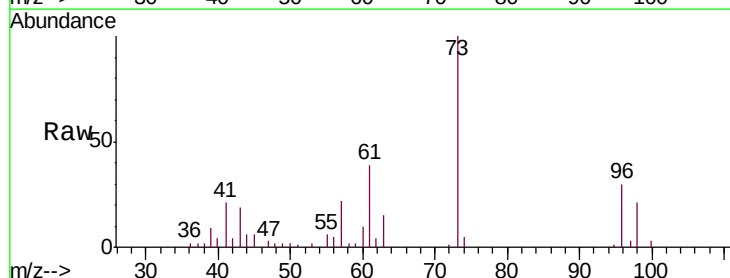
Tgt Ion: 73 Resp: 18259

Ion Ratio Lower Upper

73 100

43 21.4 14.9 22.3

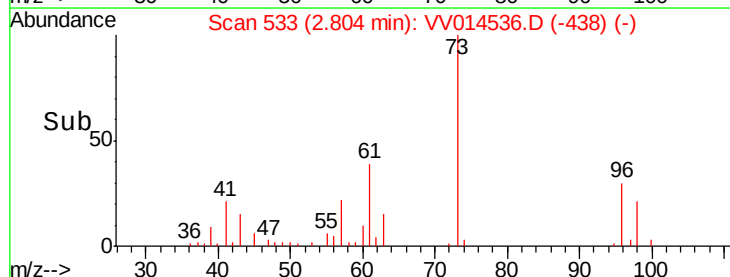
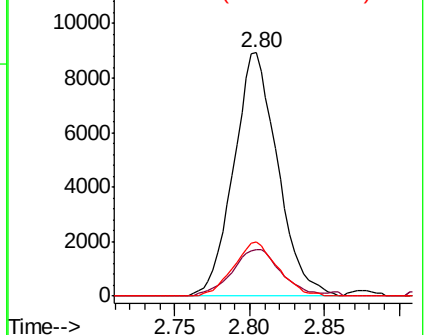
57 22.2 17.5 26.3

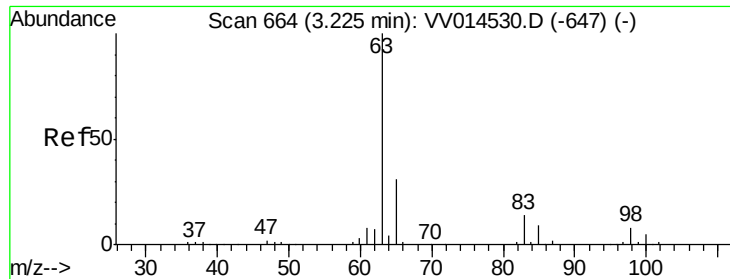


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

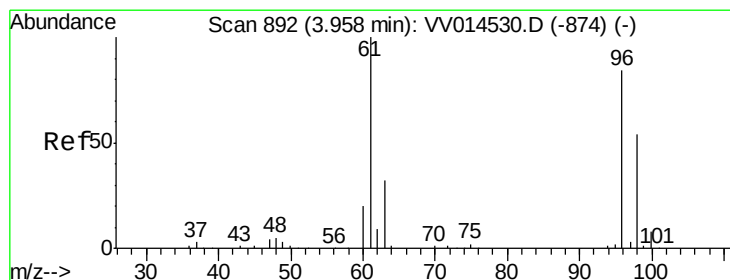
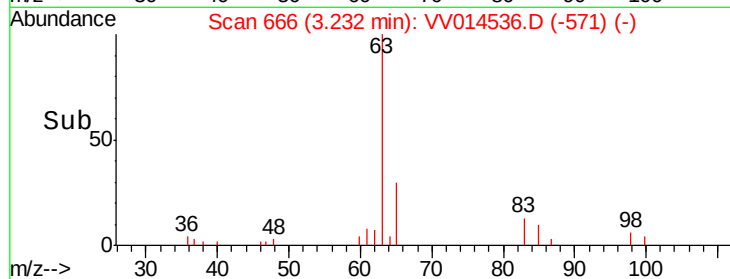
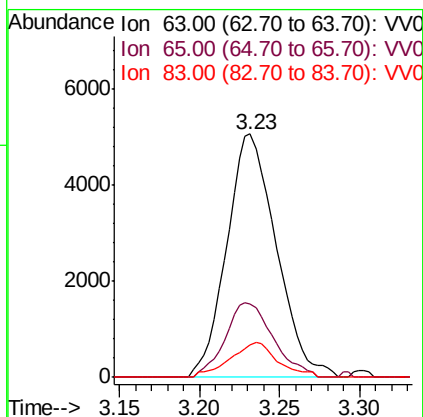
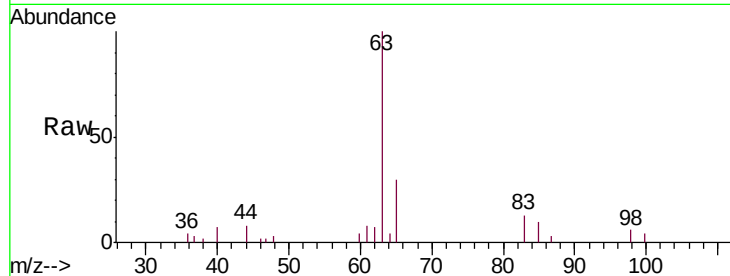




#19
 1,1-Dichloroethane
 Concen: 2.530 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV014536.D
 Acq: 07 Feb 2020 14:08

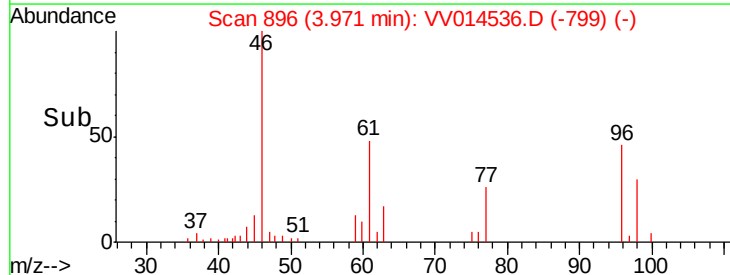
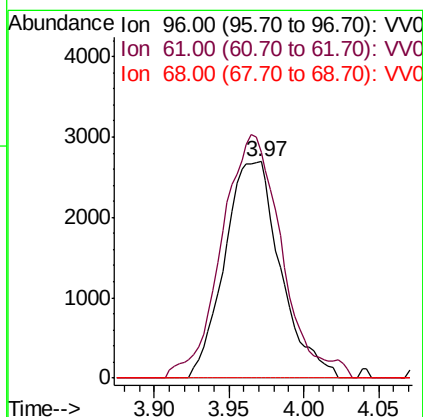
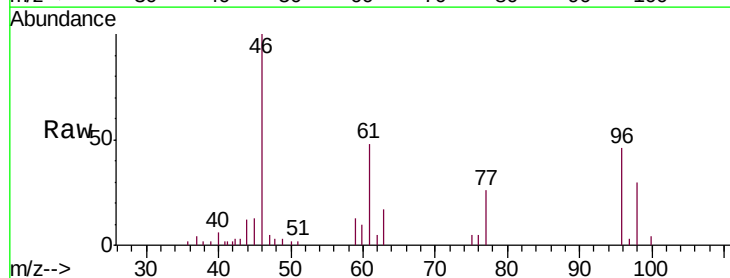
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

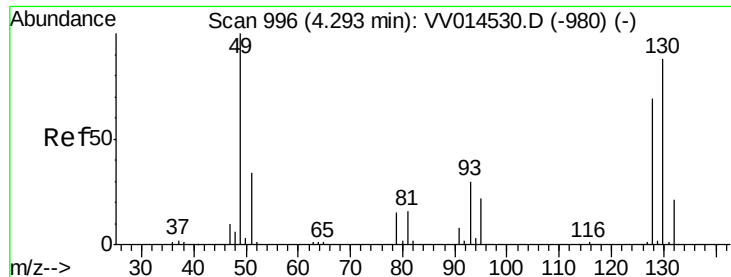
Tgt Ion:	63	Resp:	10691
Ion	Ratio	Lower	Upper
63	100		
65	30.1	22.5	41.7
83	13.1	9.7	18.1



#20
 cis-1,2-Dichloroethene
 Concen: 2.634 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.01 min
 Lab File: VV014536.D
 Acq: 07 Feb 2020 14:08

Tgt Ion:	96	Resp:	7005
Ion	Ratio	Lower	Upper
96	100		
61	104.7	85.2	158.2
68	0.0	0.0	0.0

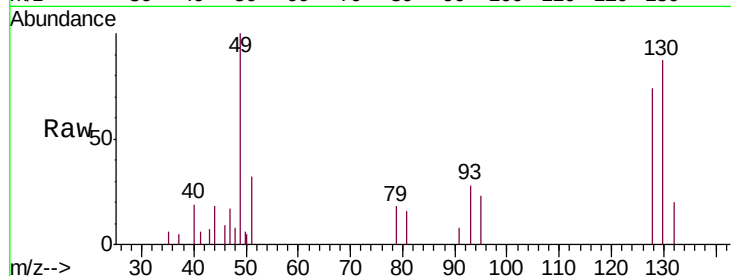




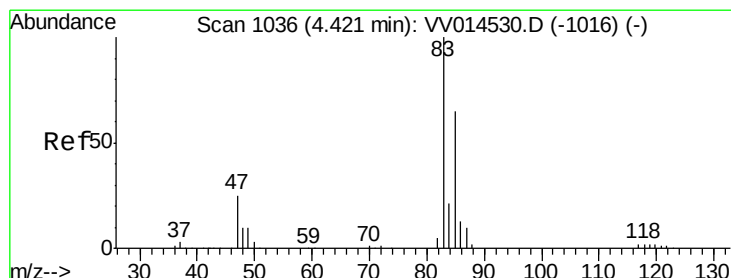
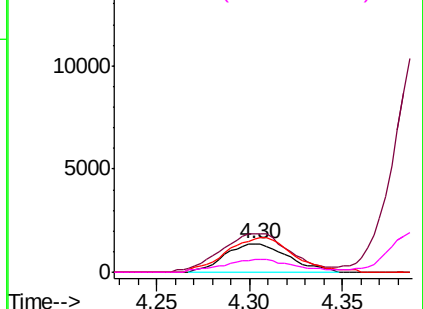
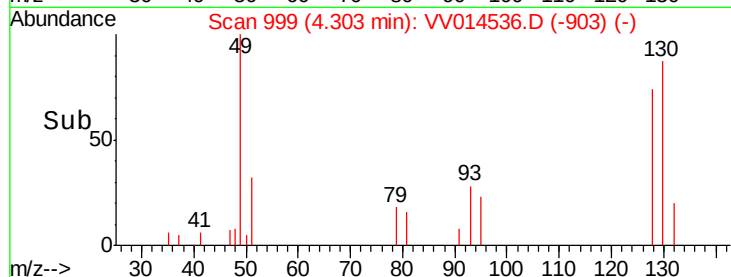
#23
 Bromochloromethane
 Concen: 2.604 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VV014536.D
 Acq: 07 Feb 2020 14:08

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion: 128 Resp: 3279
 Ion Ratio Lower Upper
 128 100
 49 134.9 110.1 204.5
 130 117.0 88.5 164.4
 51 42.6 39.4 59.0

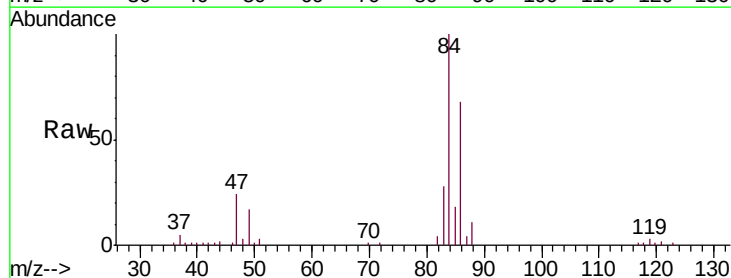


Abundance Ion 128.00 (127.70 to 128.70): VV014536.D (-903) (-)
 Ion 49.00 (48.70 to 49.70): VV014536.D (-903) (-)
 Ion 130.00 (129.70 to 130.70): VV014536.D (-903) (-)
 Ion 51.00 (50.70 to 51.70): VV014536.D (-903) (-)

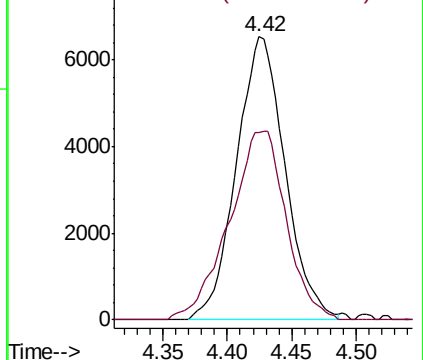
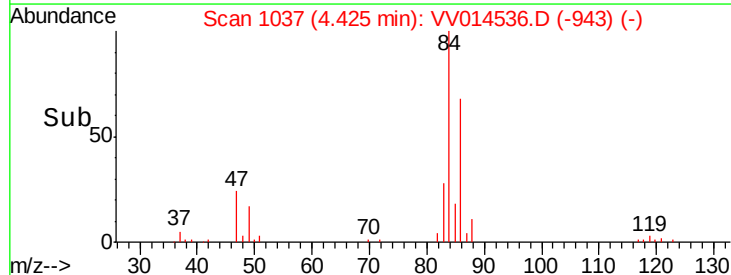


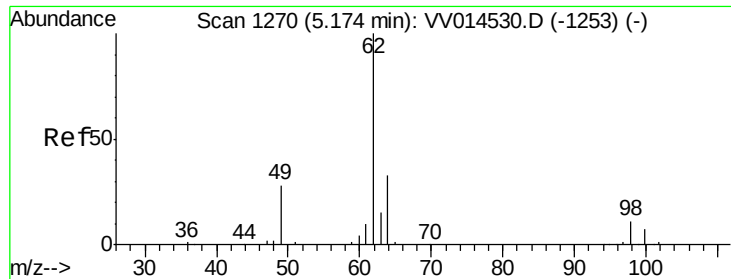
#25
 Chloroform
 Concen: 4.003 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV014536.D
 Acq: 07 Feb 2020 14:08

Tgt Ion: 83 Resp: 17198
 Ion Ratio Lower Upper
 83 100
 85 66.2 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VV014536.D (-943) (-)
 Ion 85.00 (84.70 to 85.70): VV014536.D (-943) (-)





#27

1,2-Dichloroethane

Concen: 2.607 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Instrument :

MSVOA_V

ClientSampleId :

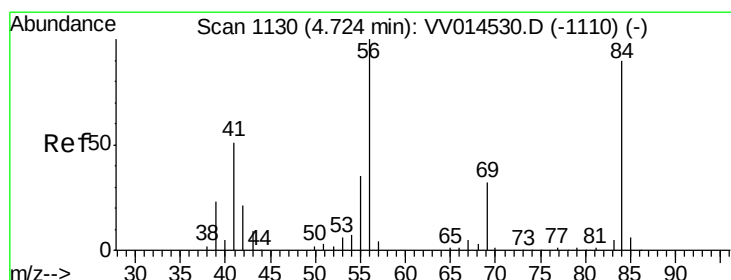
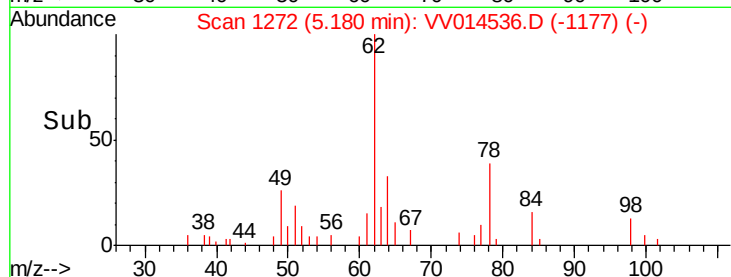
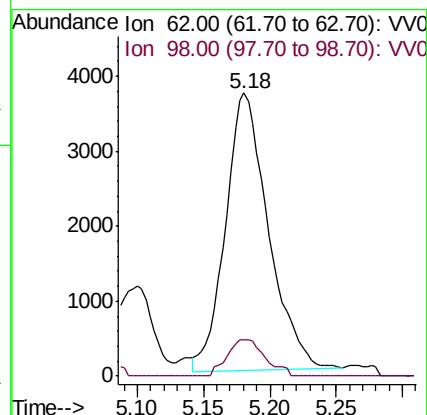
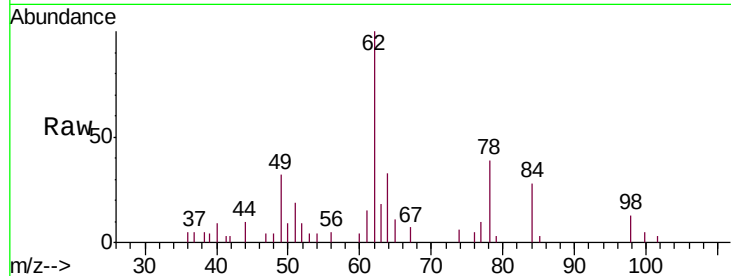
MDL04

Tgt Ion: 62 Resp: 8345

Ion Ratio Lower Upper

62 100

98 12.9 8.2 12.4#



#29

Cyclohexane

Concen: 2.418 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

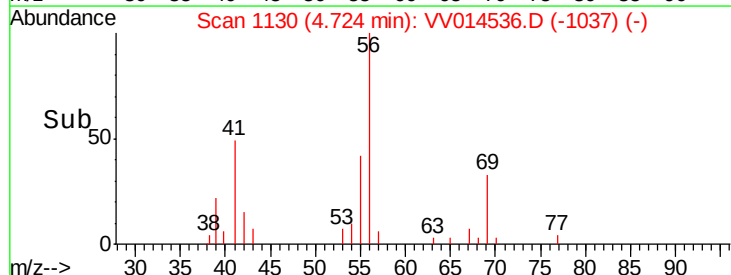
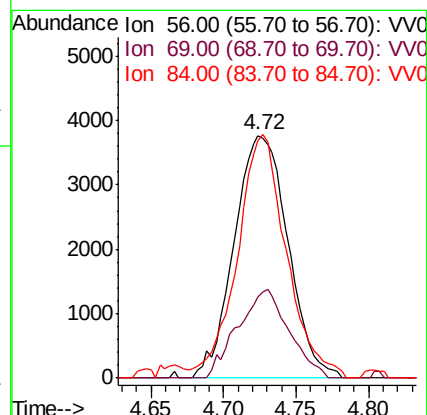
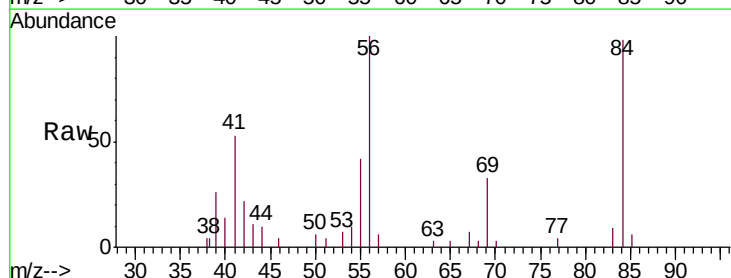
Tgt Ion: 56 Resp: 9719

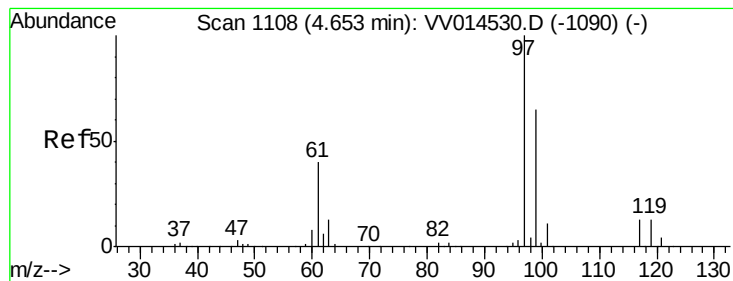
Ion Ratio Lower Upper

56 100

69 34.8 25.2 37.8

84 91.8 69.8 104.8





#30

1,1,1-Trichloroethane

Concen: 2.564 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Instrument :

MSVOA_V

ClientSampleId :

MDL04

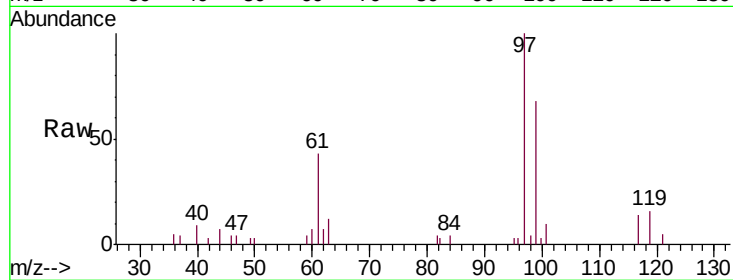
Tgt Ion: 97 Resp: 9566

Ion Ratio Lower Upper

97 100

99 62.9 50.6 76.0

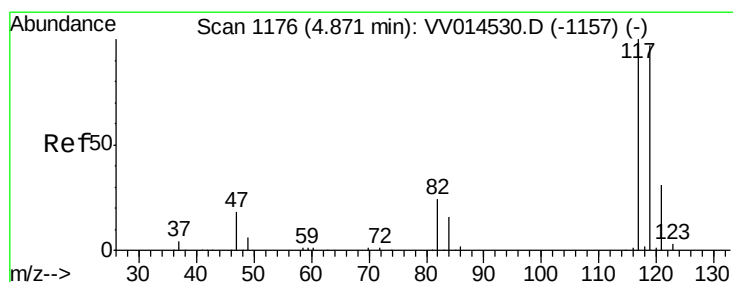
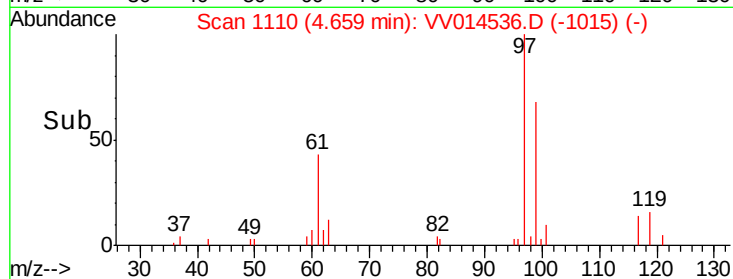
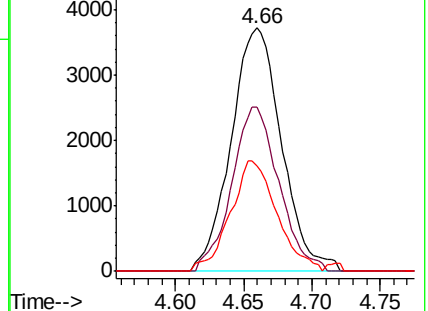
61 41.8 33.0 49.4



Abundance Ion 97.00 (96.70 to 97.70): VV014530.D (-1090) (-)

Ion 99.00 (98.70 to 99.70): VV014530.D (-1090) (-)

Ion 61.05 (60.75 to 61.75): VV014530.D (-1090) (-)



#31

Carbon tetrachloride

Concen: 2.508 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VV014536.D

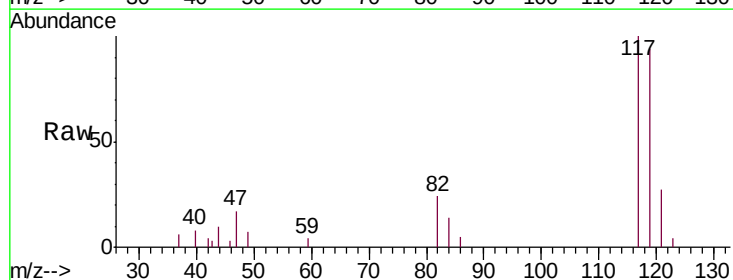
Acq: 07 Feb 2020 14:08

Tgt Ion: 117 Resp: 8254

Ion Ratio Lower Upper

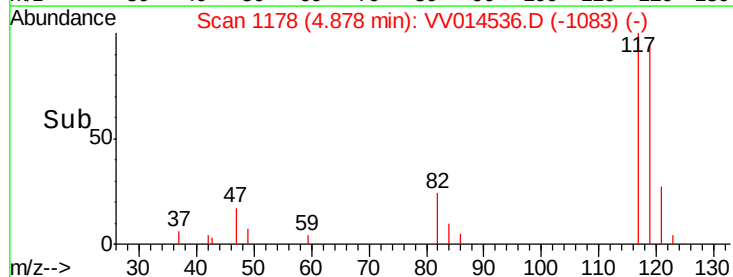
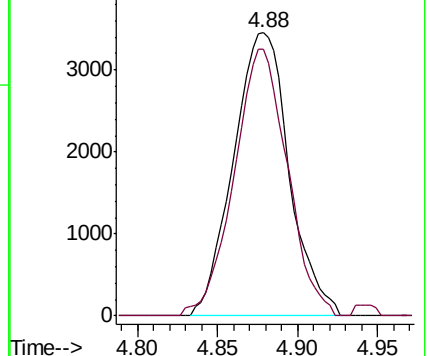
117 100

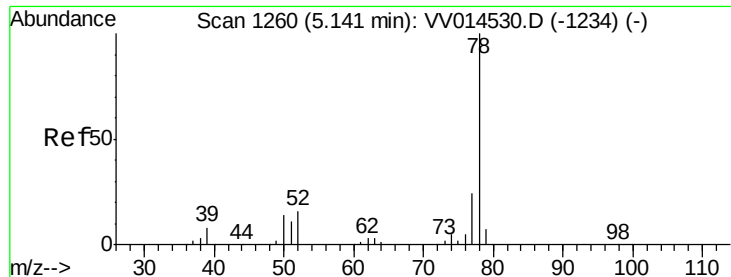
119 89.8 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): VV014530.D (-1157) (-)

Ion 119.00 (118.70 to 119.70): VV014530.D (-1157) (-)





#33

Benzene

Concen: 2.494 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

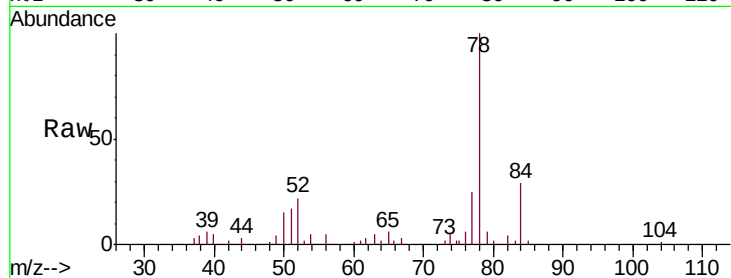
Instrument :

MSVOA_V

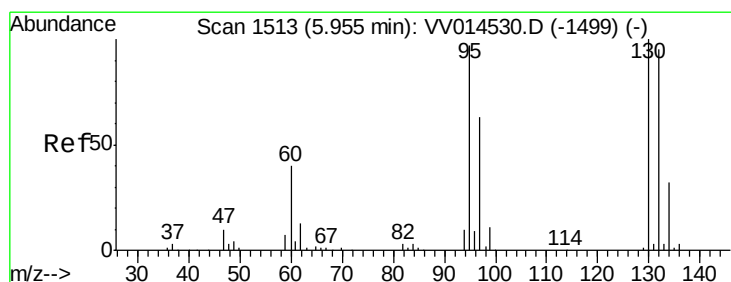
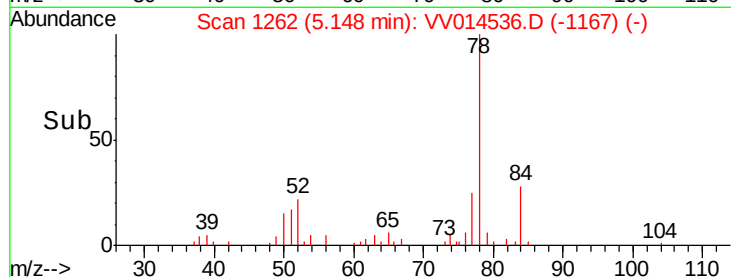
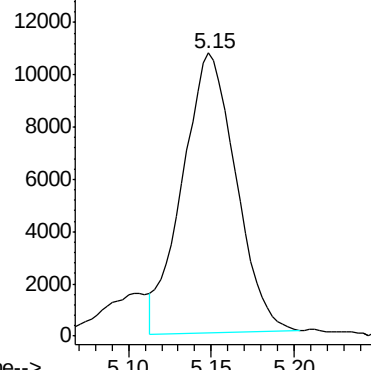
ClientSampled :

MDL04

Tgt Ion: 78 Resp: 23967



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2.420 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Tgt Ion: 95 Resp: 6166

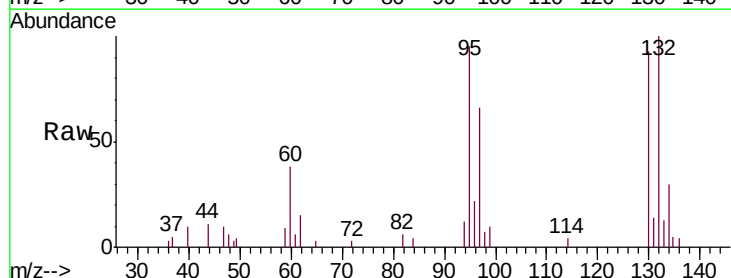
Ion	Ratio	Lower	Upper
95	100		
97	69.9	45.1	83.7
132	105.3	67.7	125.7
130	97.8	70.5	130.9

95 100

97 69.9 45.1 83.7

132 105.3 67.7 125.7

130 97.8 70.5 130.9

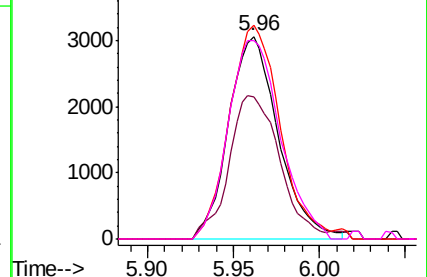
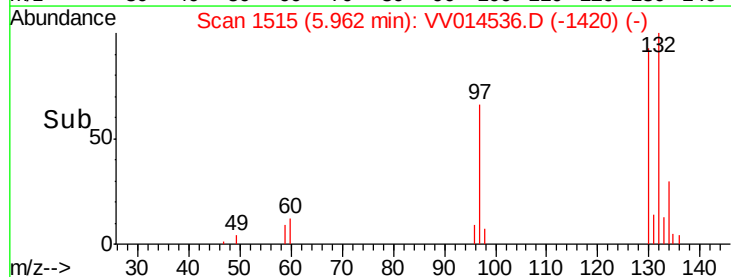


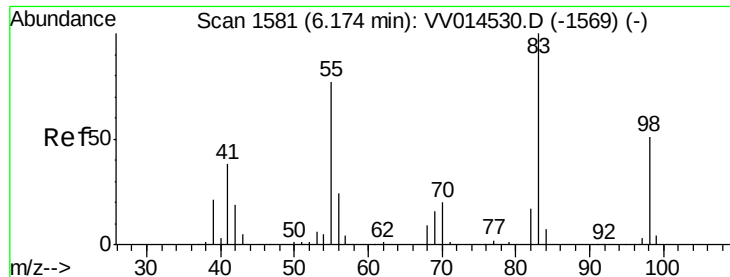
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

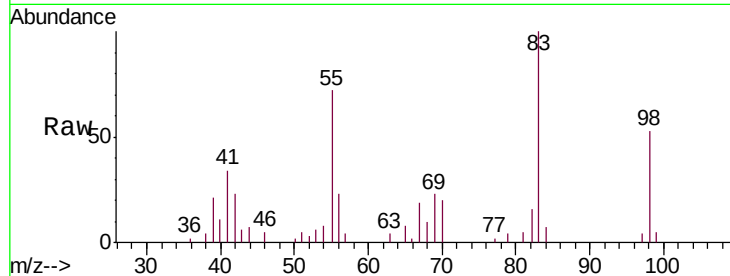




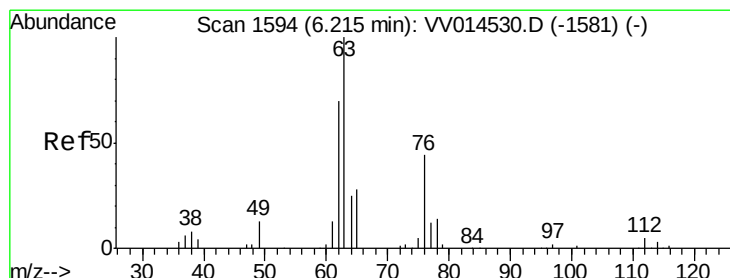
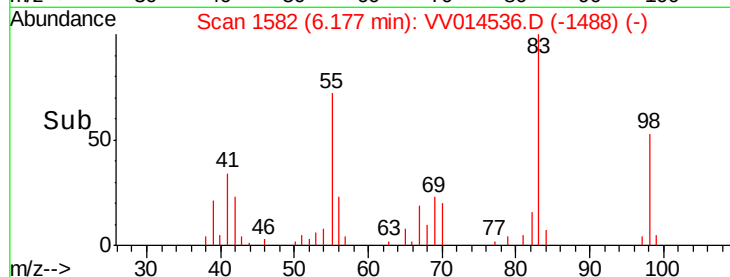
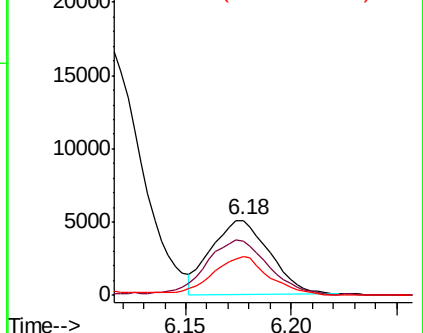
#35
Methylcyclohexane
Concen: 2.321 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV014536.D
Acq: 07 Feb 2020 14:08

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tgt Ion: 83 Resp: 9663
Ion Ratio Lower Upper
83 100
55 81.2 60.7 91.1
98 51.3 39.4 59.0

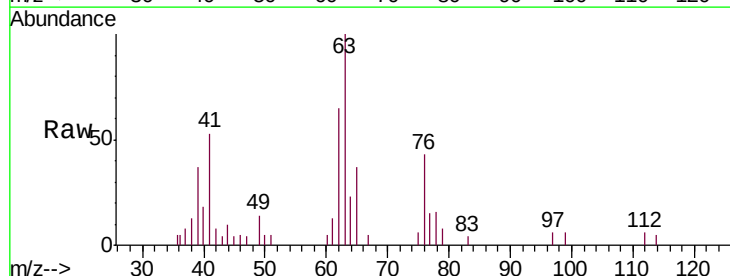


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

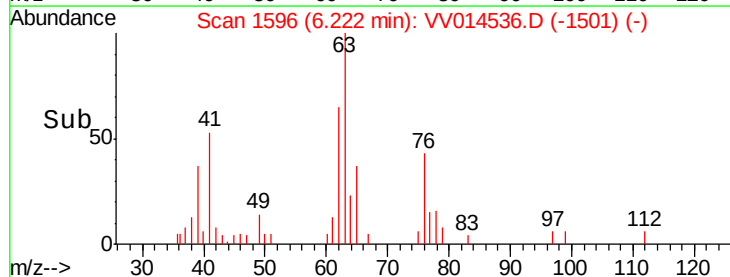
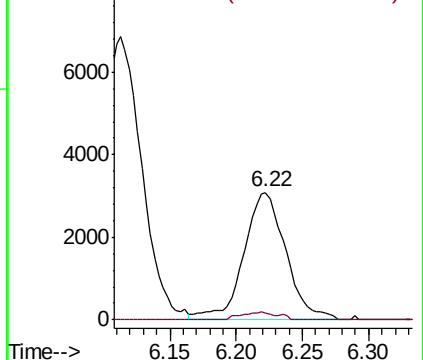


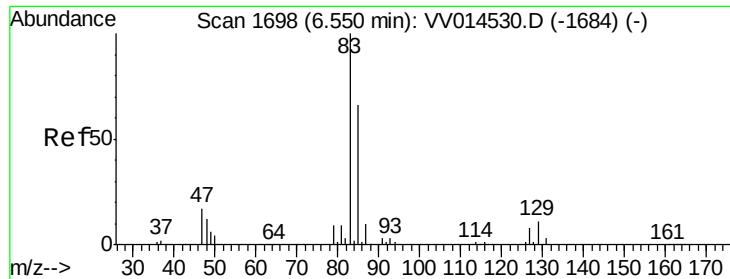
#37
1,2-Dichloropropane
Concen: 2.802 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VV014536.D
Acq: 07 Feb 2020 14:08

Tgt Ion: 63 Resp: 6859
Ion Ratio Lower Upper
63 100
112 2.1 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#38

Bromodichloromethane

Concen: 2.563 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Instrument :

MSVOA_V

ClientSampleId :

MDL04

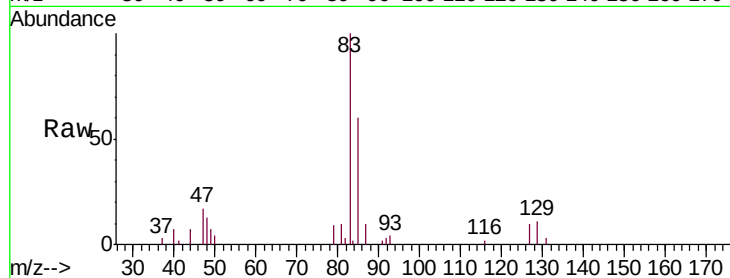
Tgt Ion: 83 Resp: 8421

Ion Ratio Lower Upper

83 100

85 60.1 44.4 82.4

127 9.8 6.7 10.1

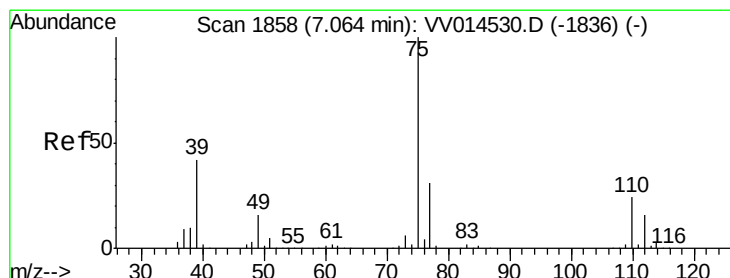
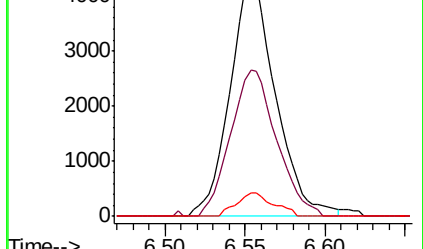
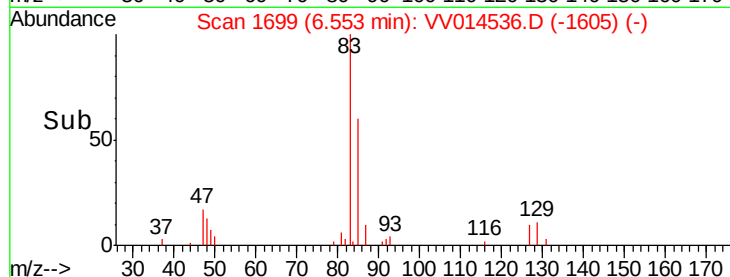


Abundance Ion 83.00 (82.70 to 83.70): VV014536.D (-1695) (-)

Ion 85.00 (84.70 to 85.70): VV014536.D (-1695) (-)

Ion 127.00 (126.70 to 127.70): VV014536.D (-1695) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 2.384 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.01 min

Lab File: VV014536.D

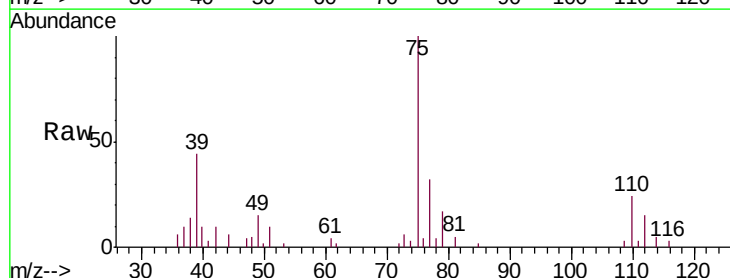
Acq: 07 Feb 2020 14:08

Tgt Ion: 75 Resp: 9737

Ion Ratio Lower Upper

75 100

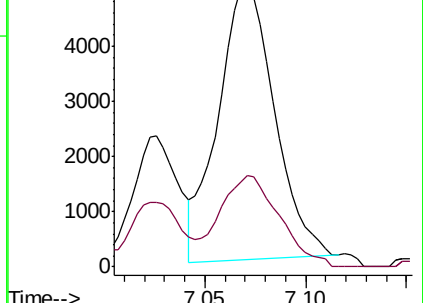
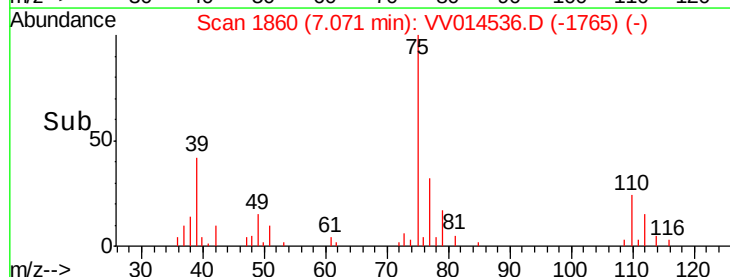
77 32.1 22.7 42.1

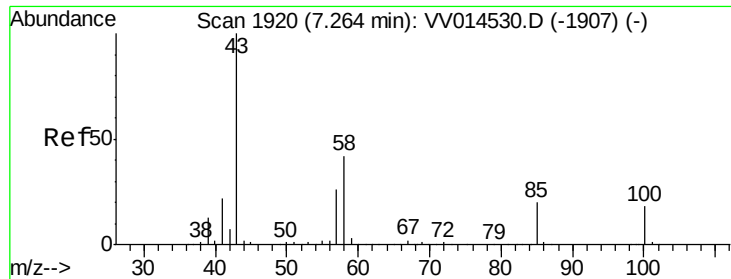


Abundance Ion 75.00 (74.70 to 75.70): VV014536.D (-1865) (-)

Ion 77.00 (76.70 to 77.70): VV014536.D (-1865) (-)

Time-->

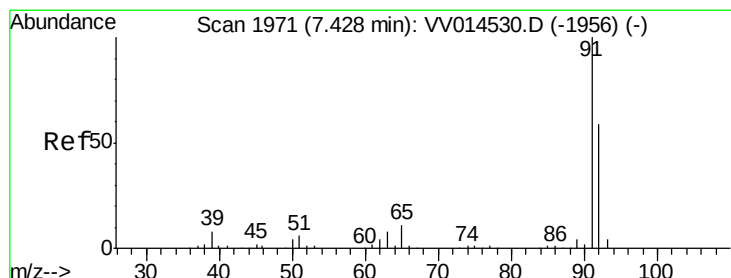
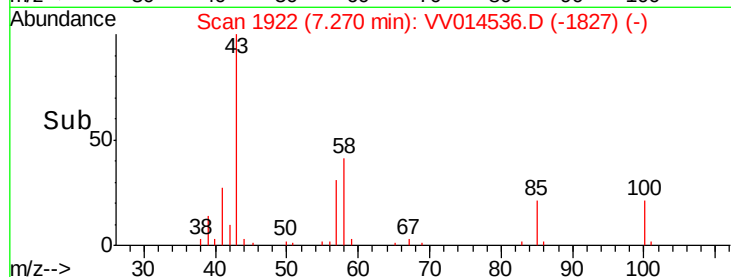
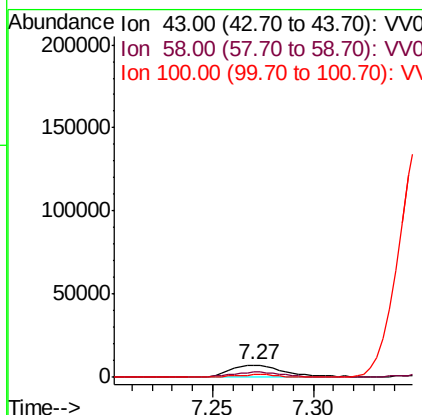
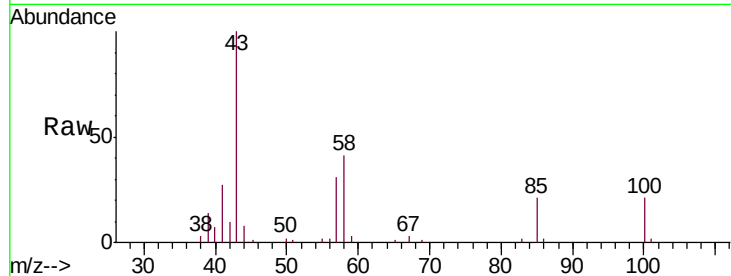




#40
4-Methyl-2-pentanone
Concen: 4.404 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VV014536.D
Acq: 07 Feb 2020 14:08

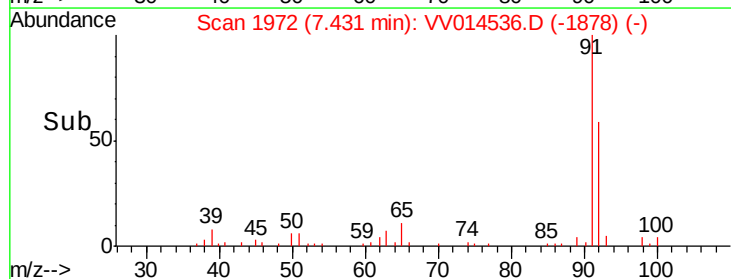
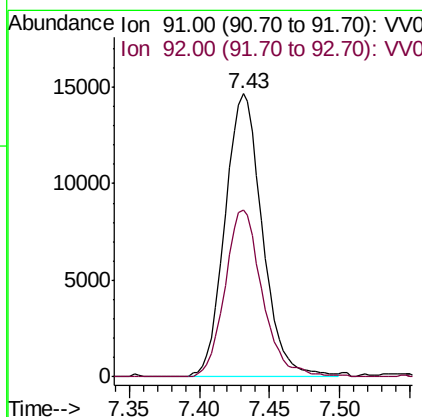
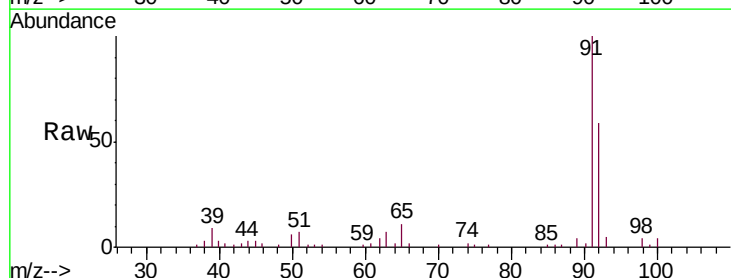
Instrument :
MSVOA_V
ClientSampleId :
MDL04

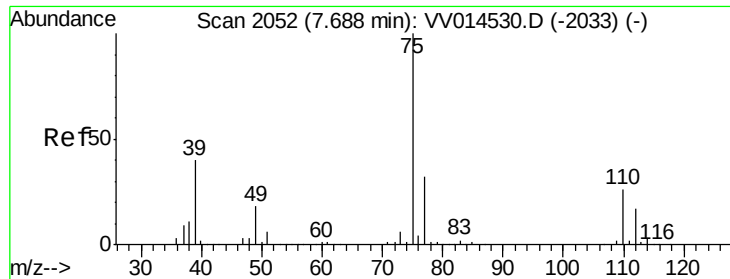
Tgt Ion: 43 Resp: 13933
Ion Ratio Lower Upper
43 100
58 42.1 33.2 49.8
100 19.0 13.9 20.9



#42
Toluene
Concen: 2.641 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV014536.D
Acq: 07 Feb 2020 14:08

Tgt Ion: 91 Resp: 27210
Ion Ratio Lower Upper
91 100
92 59.2 41.6 77.2

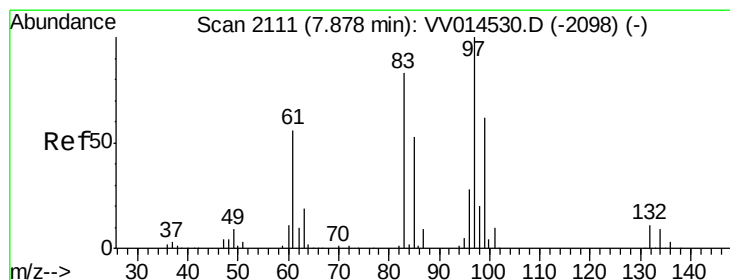
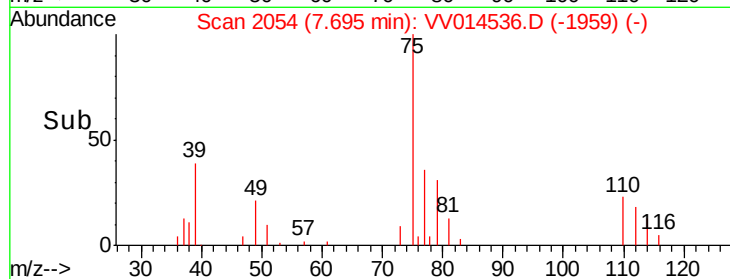
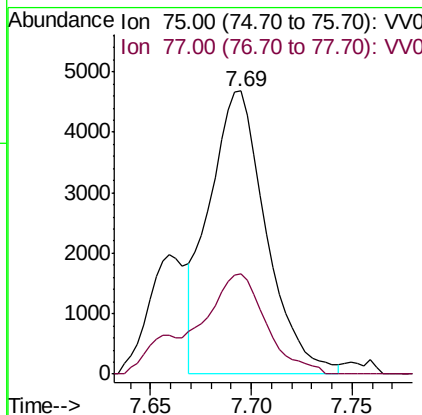
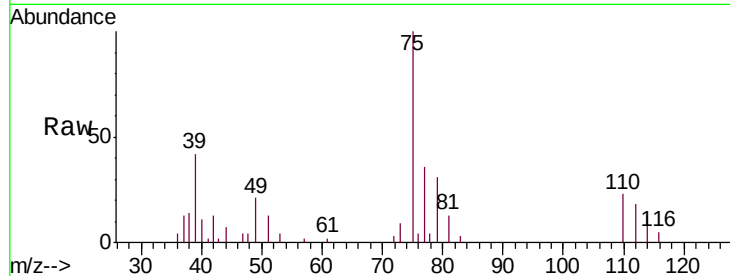




#44
trans-1,3-Dichloropropene
Concen: 2.519 ug/L
RT: 7.69 min Scan# 2054
Delta R.T. 0.01 min
Lab File: VV014536.D
Acq: 07 Feb 2020 14:08

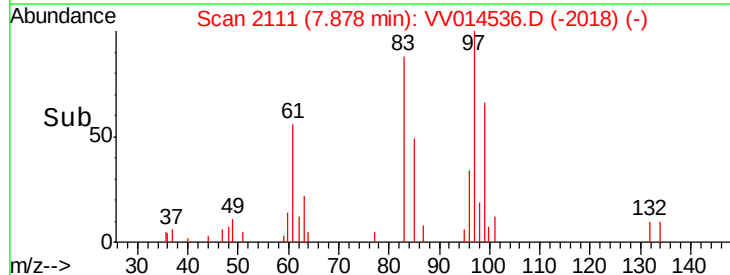
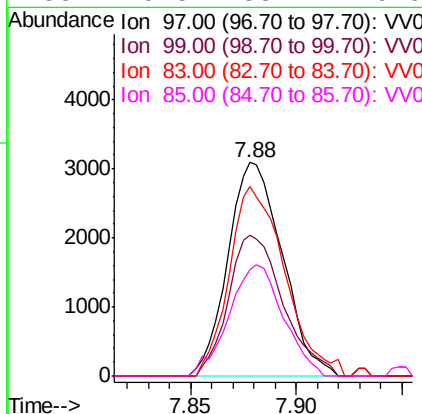
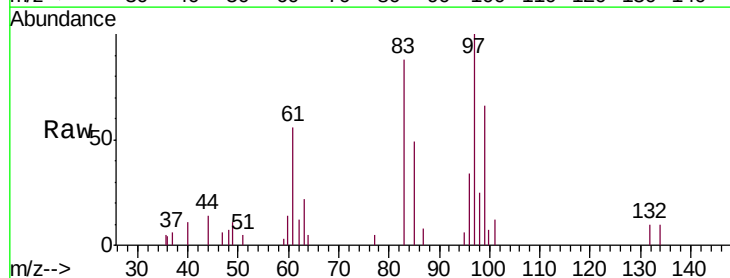
Instrument :
MSVOA_V
ClientSampled :
MDL04

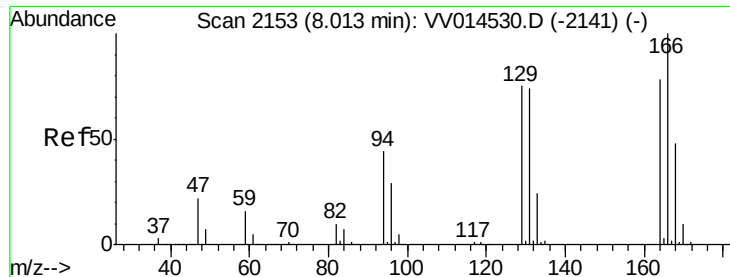
Tgt Ion: 75 Resp: 9223
Ion Ratio Lower Upper
75 100
77 35.6 22.2 41.2



#45
1,1,2-Trichloroethane
Concen: 2.361 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV014536.D
Acq: 07 Feb 2020 14:08

Tgt Ion: 97 Resp: 5545
Ion Ratio Lower Upper
97 100
99 66.0 44.5 82.7
83 88.5 60.1 111.5
85 49.5 38.1 70.9





#46

Tetrachloroethene

Concen: 2.568 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.01 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tgt Ion:164 Resp: 4990

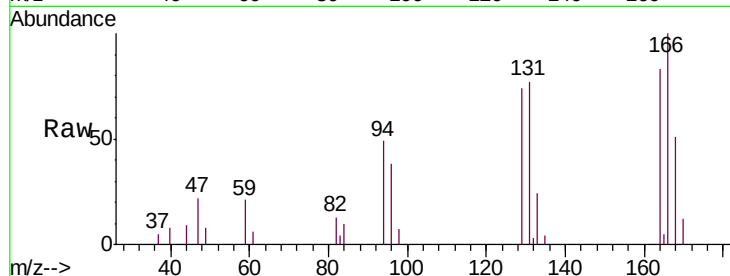
Ion Ratio Lower Upper

164 100

129 89.8 68.0 126.4

131 92.8 63.4 117.8

166 120.9 86.9 161.3

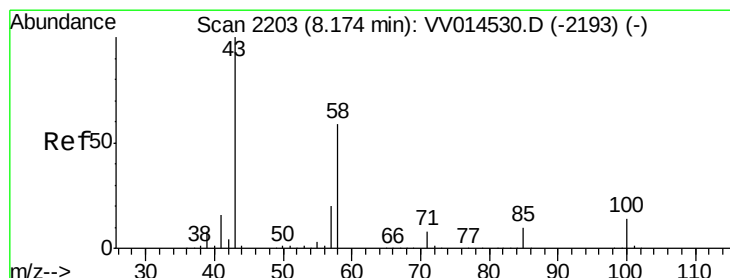
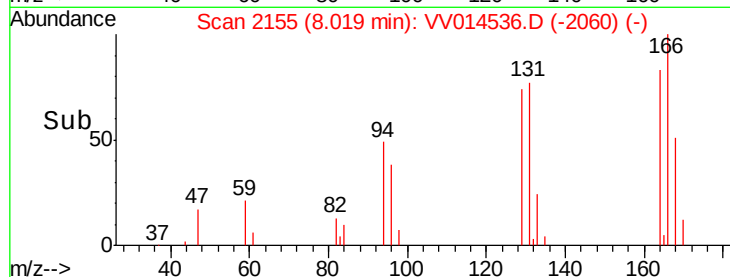
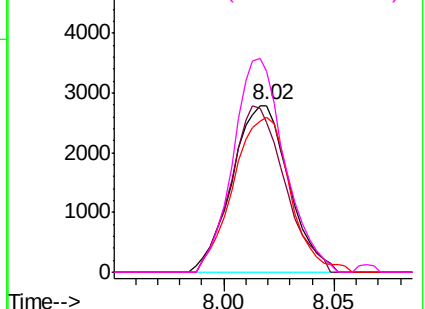


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.606 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.01 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Tgt Ion: 43 Resp: 13654

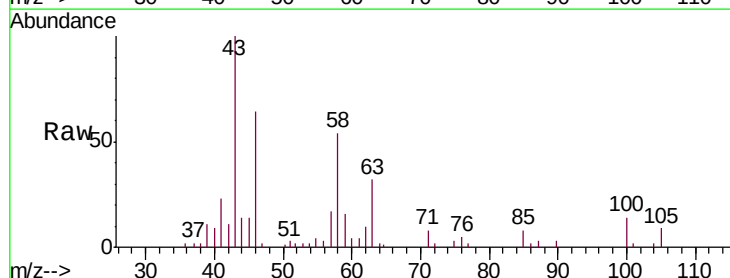
Ion Ratio Lower Upper

43 100

58 61.4 45.5 68.3

57 10.9 15.8 23.6#

100 14.1 10.8 16.2

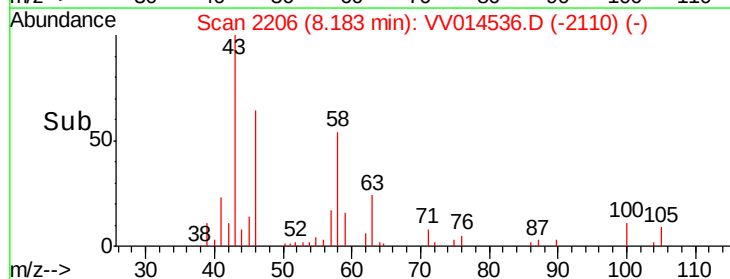
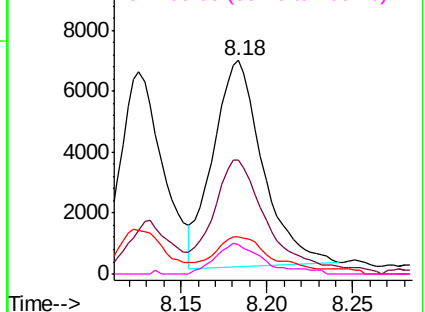


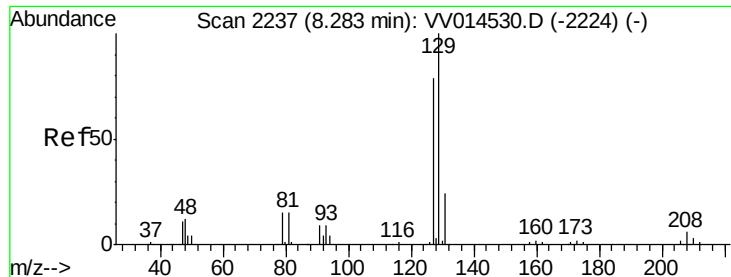
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 2.392 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Instrument :

MSVOA_V

ClientSampleId :

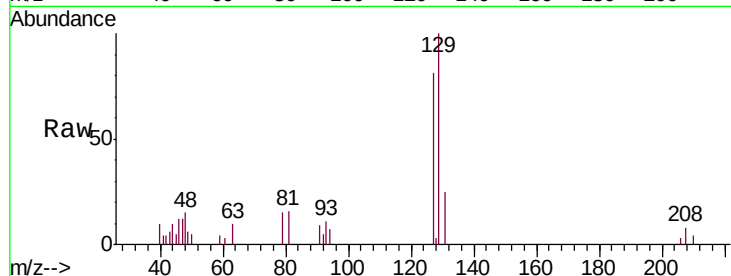
MDL04

Tgt Ion:129 Resp: 6343

Ion Ratio Lower Upper

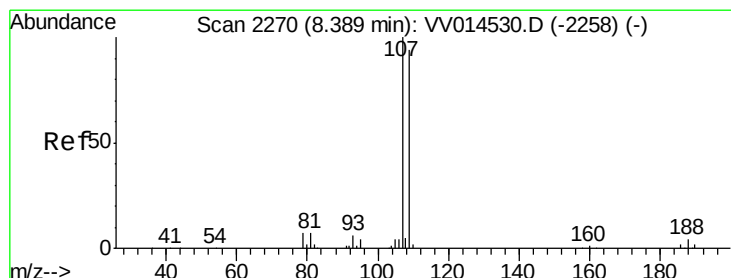
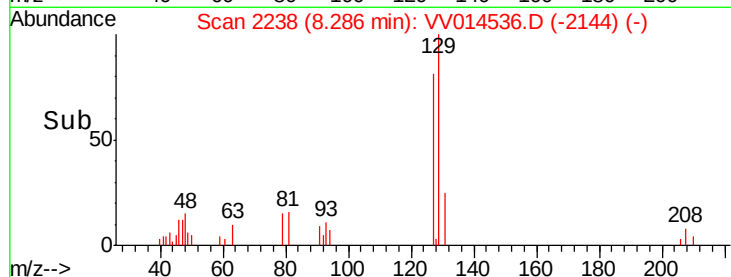
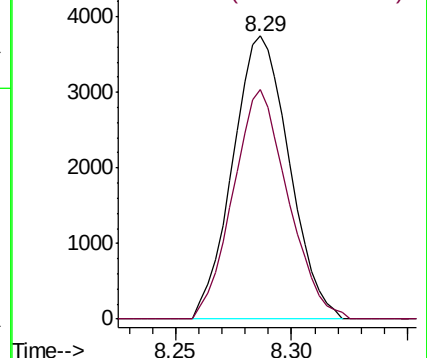
129 100

127 83.9 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: 2.559 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

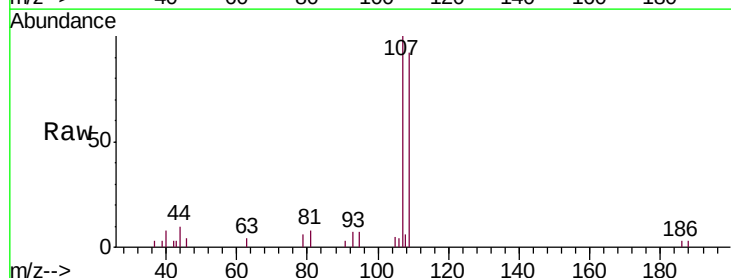
Tgt Ion:107 Resp: 6509

Ion Ratio Lower Upper

107 100

109 92.4 65.2 121.2

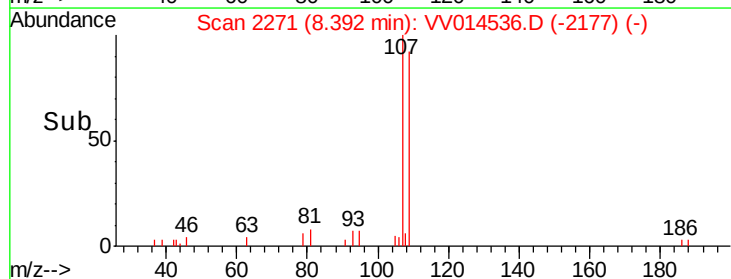
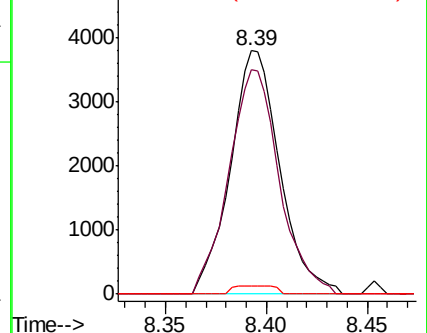
188 3.2 2.6 4.0

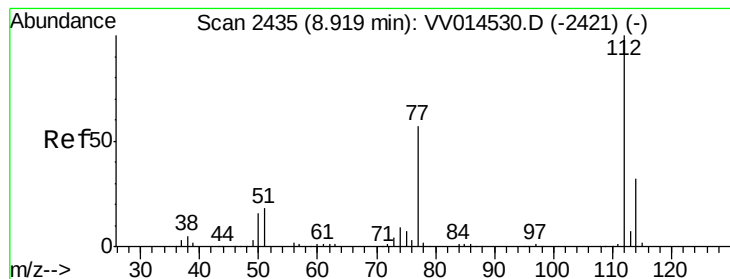


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 2.544 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Instrument :

MSVOA_V

ClientSampleId :

MDL04

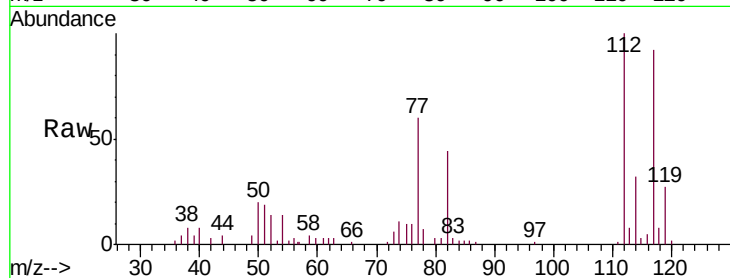
Tgt Ion: 112 Resp: 17123

Ion Ratio Lower Upper

112 100

114 32.2 22.3 41.5

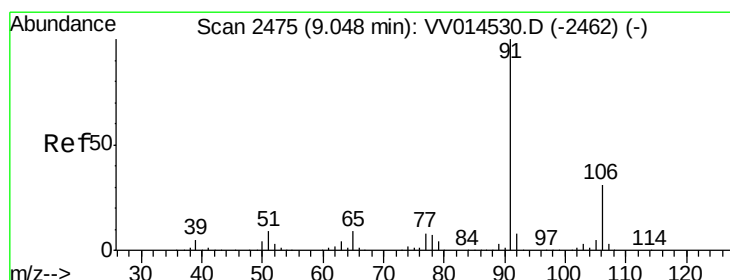
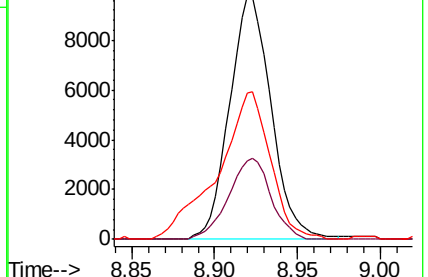
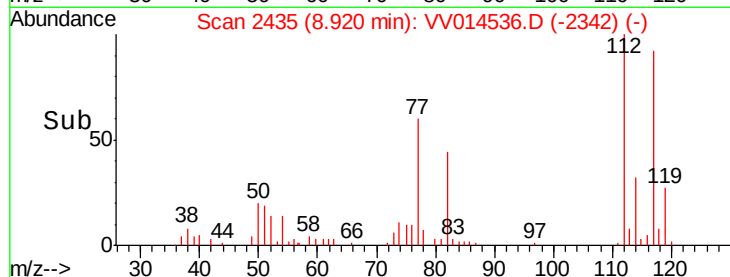
77 60.2 47.3 70.9



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: 2.485 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014536.D

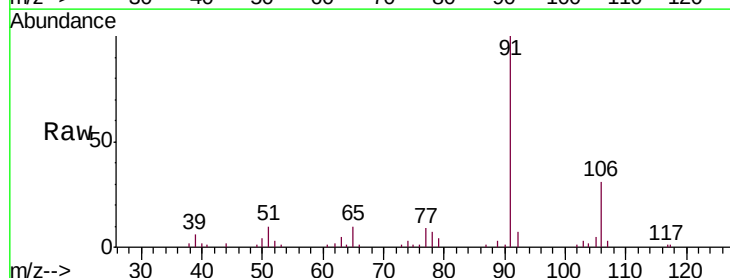
Acq: 07 Feb 2020 14:08

Tgt Ion: 91 Resp: 28722

Ion Ratio Lower Upper

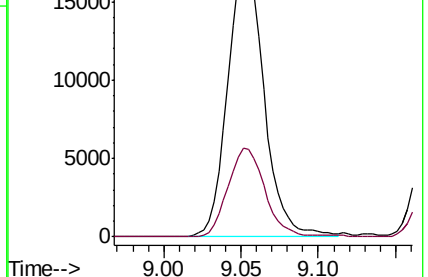
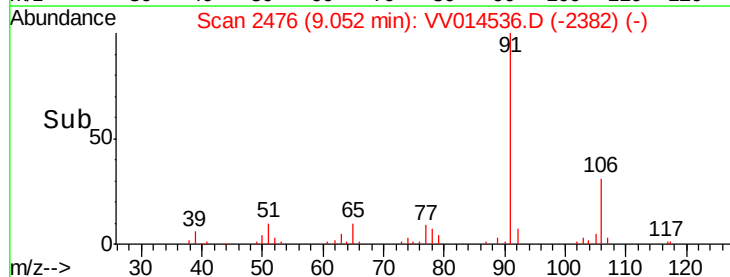
91 100

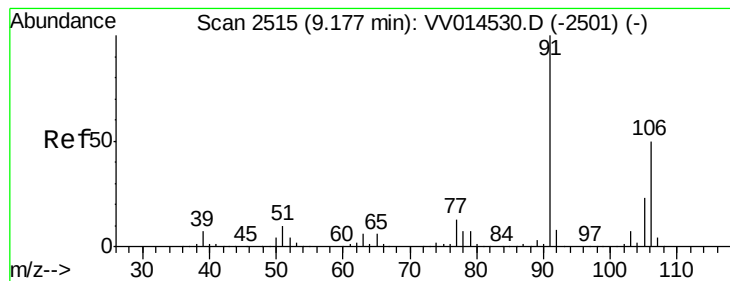
106 31.3 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 2.526 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Instrument :

MSVOA_V

ClientSampled :

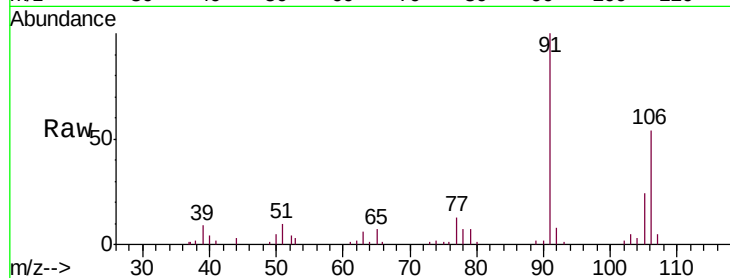
MDL04

Tgt Ion:106 Resp: 11246

Ion Ratio Lower Upper

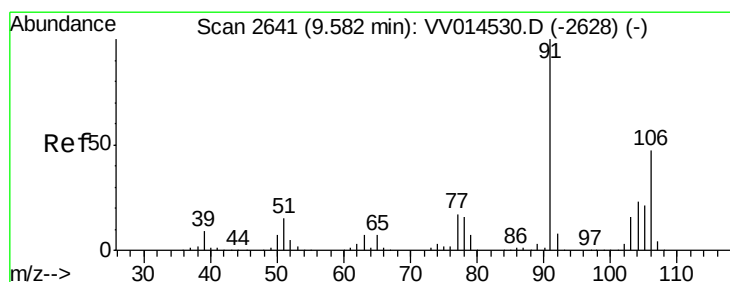
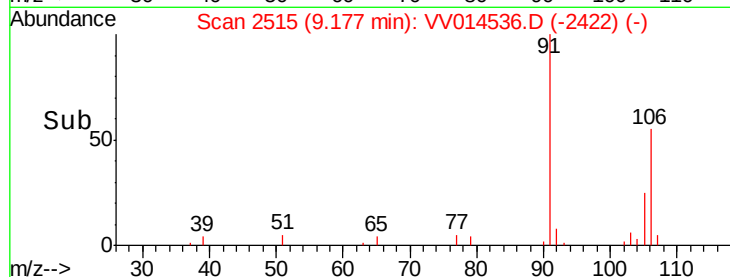
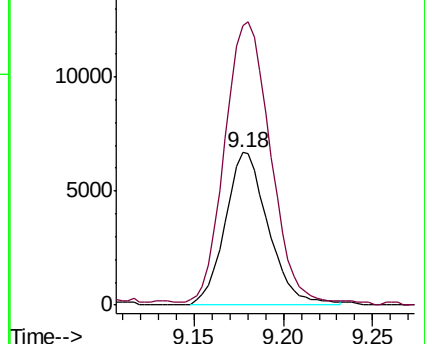
106 100

91 183.7 141.4 262.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-Xylene

Concen: 2.541 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014536.D

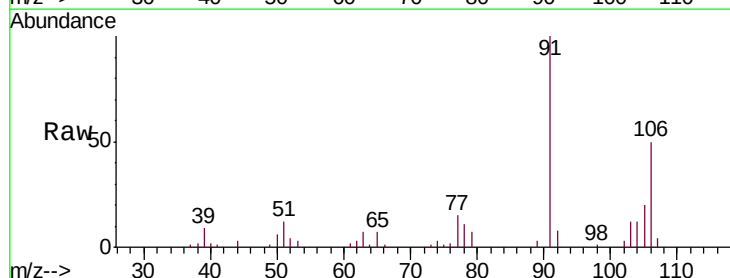
Acq: 07 Feb 2020 14:08

Tgt Ion:106 Resp: 10826

Ion Ratio Lower Upper

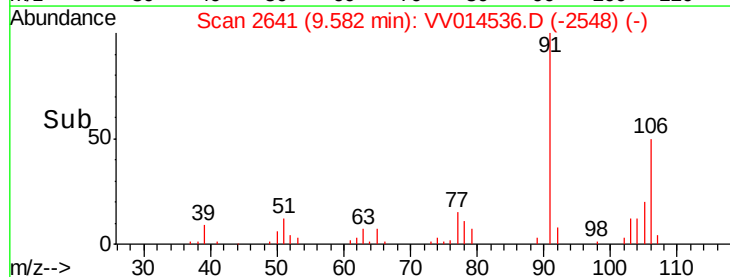
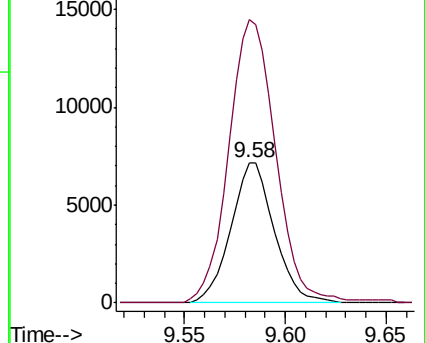
106 100

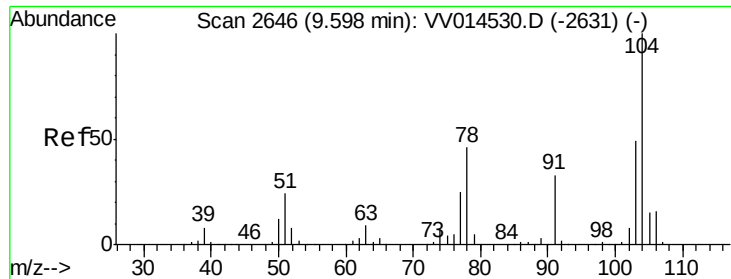
91 201.7 149.4 277.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Styrene

Concen: 2.454 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Instrument :

MSVOA_V

ClientSampled :

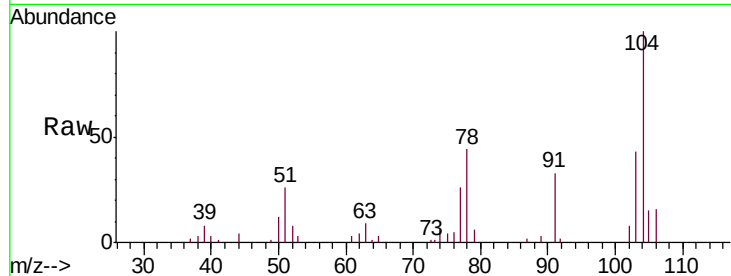
MDL04

Tgt Ion:104 Resp: 17866

Ion Ratio Lower Upper

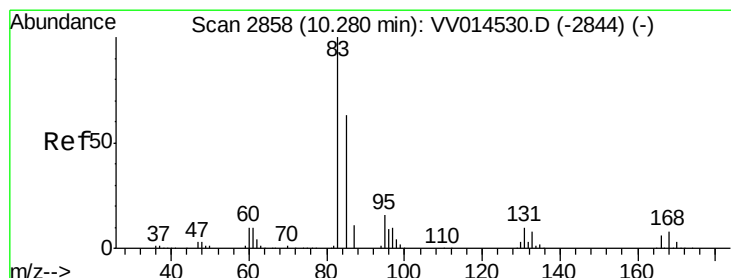
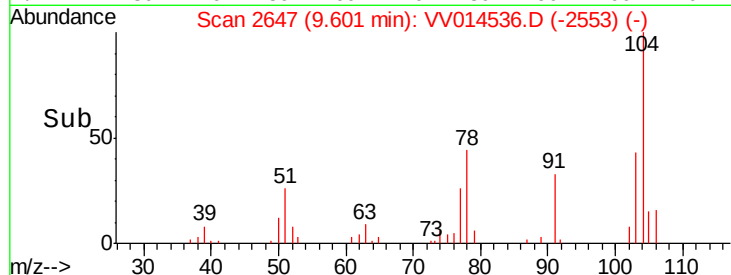
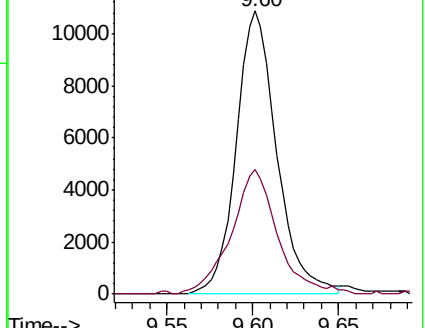
104 100

78 43.8 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): VV014530.D (-2631) (-)

Ion 78.00 (77.70 to 78.70): VV014530.D (-2631) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 2.720 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

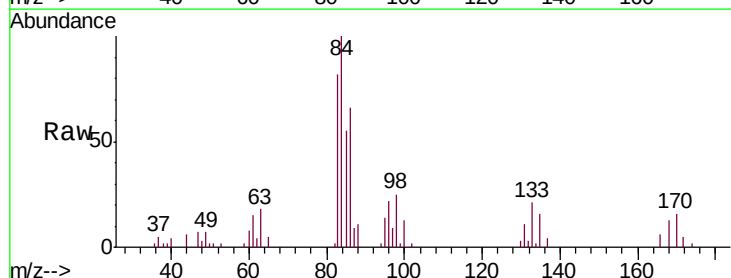
Tgt Ion: 83 Resp: 10014

Ion Ratio Lower Upper

83 100

85 66.8 45.2 84.0

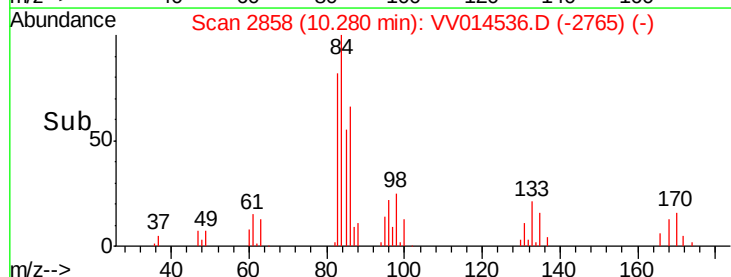
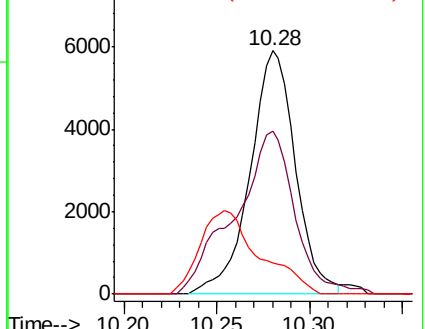
131 12.9 7.8 11.8#

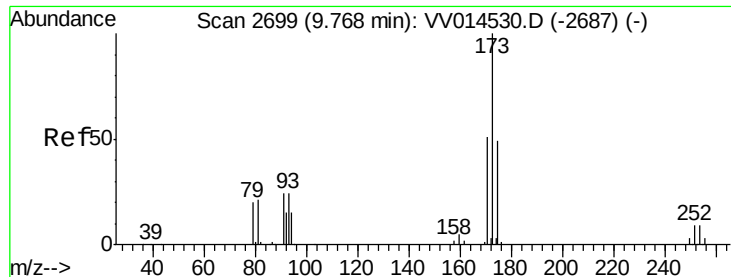


Abundance Ion 83.00 (82.70 to 83.70): VV014530.D (-2844) (-)

Ion 85.00 (84.70 to 85.70): VV014530.D (-2844) (-)

Ion 131.00 (130.70 to 131.70): VV014530.D (-2844) (-)





#59

Bromoform

Concen: 2.290 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Instrument :

MSVOA_V

ClientSampleId :

MDL04

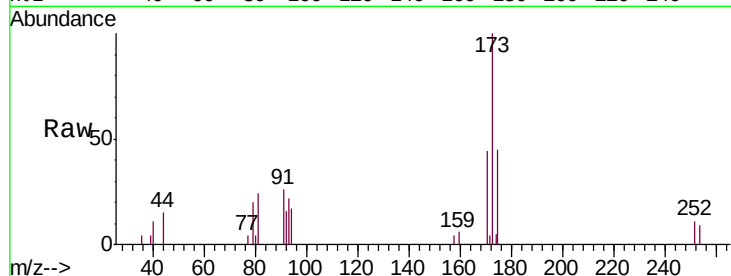
Tgt Ion:173 Resp: 4195

Ion Ratio Lower Upper

173 100

175 48.6 37.8 56.8

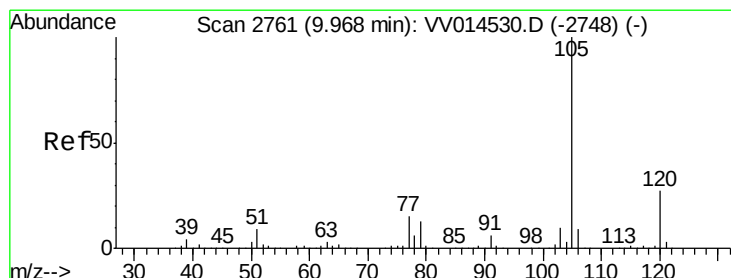
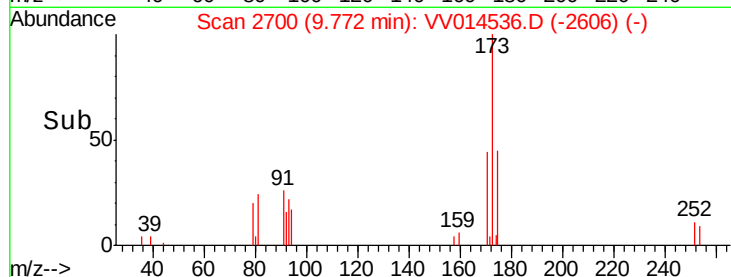
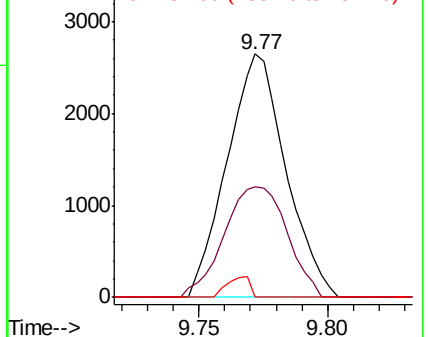
254 3.3 7.0 10.6#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 2.475 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

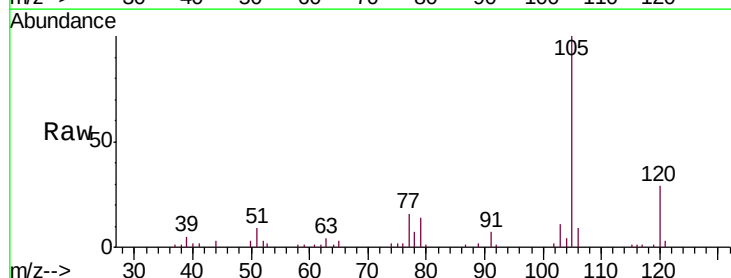
Tgt Ion:105 Resp: 27485

Ion Ratio Lower Upper

105 100

120 27.8 21.5 32.3

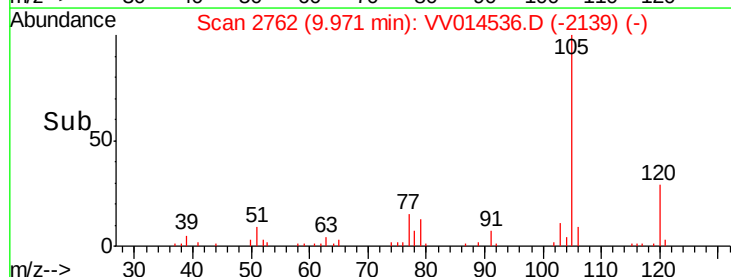
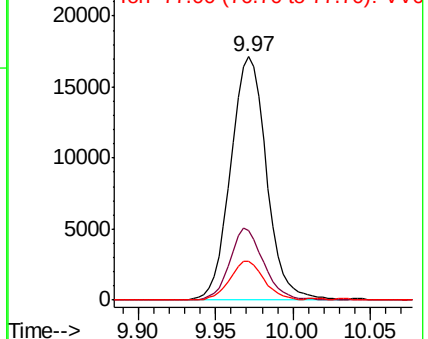
77 15.4 12.2 18.4

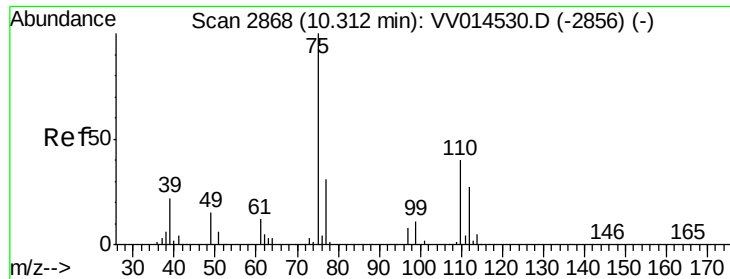


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#61

1,2,3-Trichloropropane

Concen: 2.613 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Instrument :

MSVOA_V

ClientSampleId :

MDL04

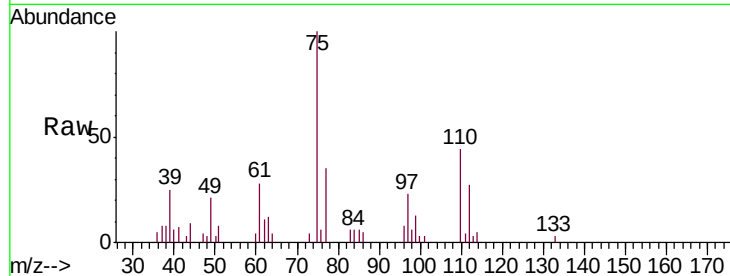
Tgt Ion: 75 Resp: 7598

Ion Ratio Lower Upper

75 100

77 33.2 25.8 38.8

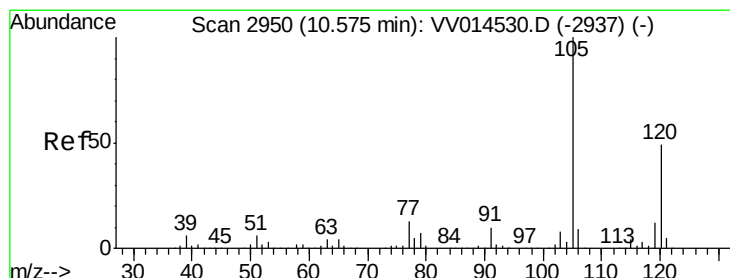
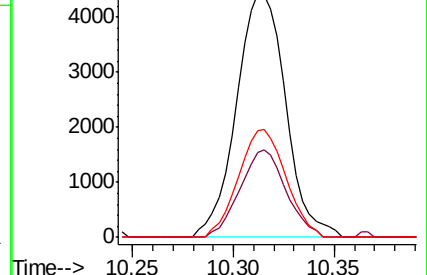
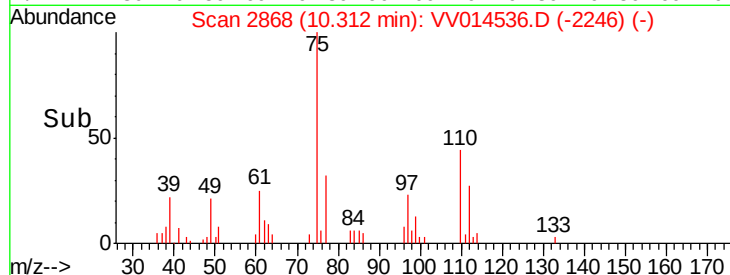
110 42.4 32.4 48.6



Abundance Ion 75.00 (74.70 to 75.70): VV014530.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014530.D (-2856) (-)

Ion 110.00 (109.70 to 110.70): VV014530.D (-2856) (-)



#62

1,3,5-Trimethylbenzene

Concen: 2.316 ug/L

RT: 10.58 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VV014536.D

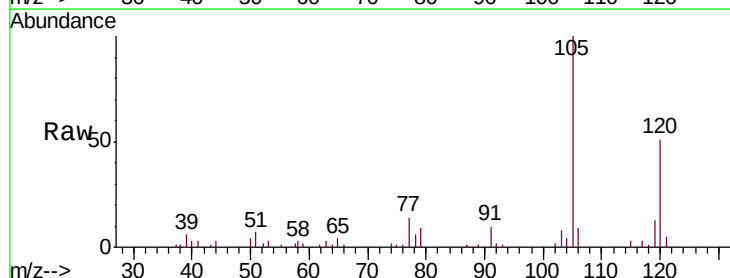
Acq: 07 Feb 2020 14:08

Tgt Ion: 105 Resp: 22020

Ion Ratio Lower Upper

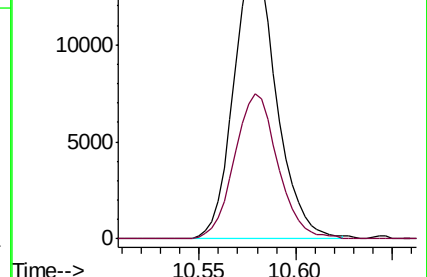
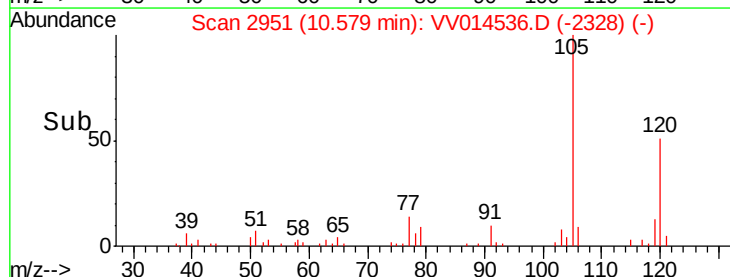
105 100

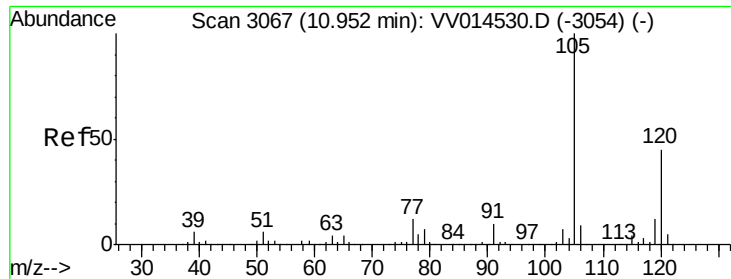
120 52.9 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): VV014530.D (-2937) (-)

Ion 120.00 (119.70 to 120.70): VV014530.D (-2937) (-)

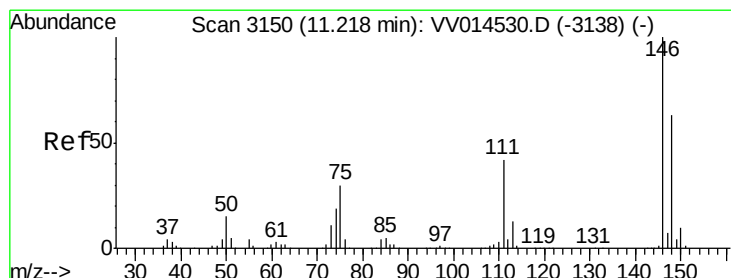
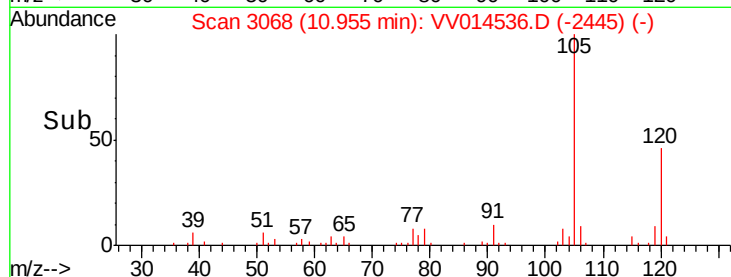
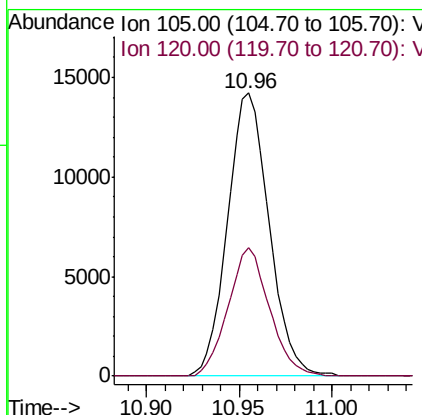
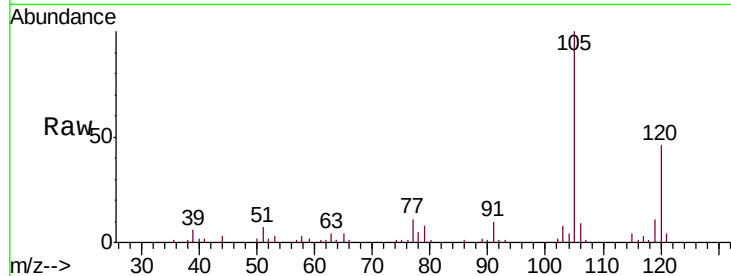




#63
 1,2,4-Trimethylbenzene
 Concen: 2.367 ug/L
 RT: 10.96 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV014536.D
 Acq: 07 Feb 2020 14:08

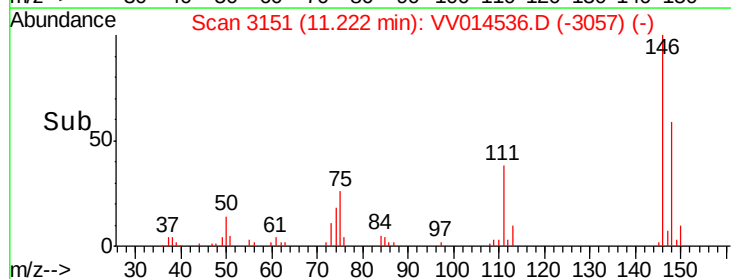
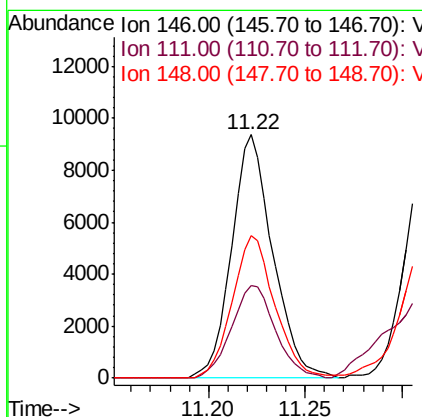
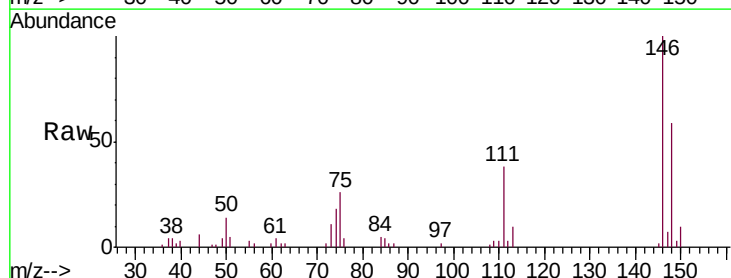
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

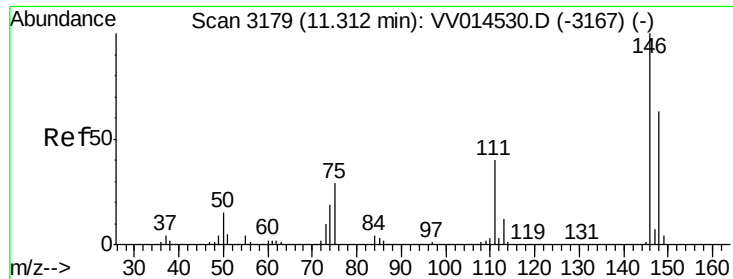
Tgt Ion:105 Resp: 22189
 Ion Ratio Lower Upper
 105 100
 120 44.9 36.2 54.4



#64
 1,3-Dichlorobenzene
 Concen: 2.640 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014536.D
 Acq: 07 Feb 2020 14:08

Tgt Ion:146 Resp: 13828
 Ion Ratio Lower Upper
 146 100
 111 38.2 28.9 53.7
 148 58.6 44.4 82.5

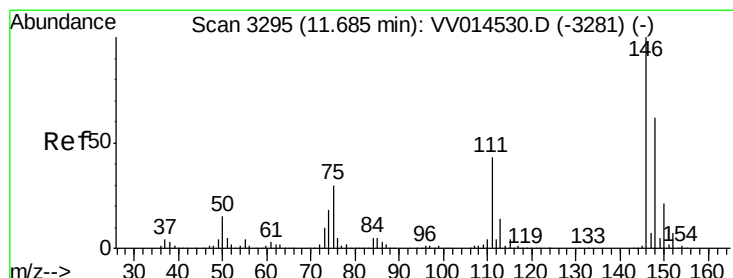
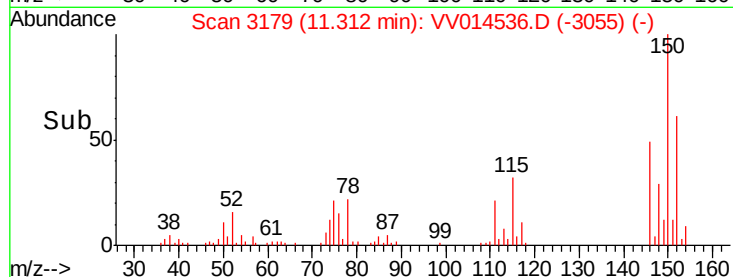
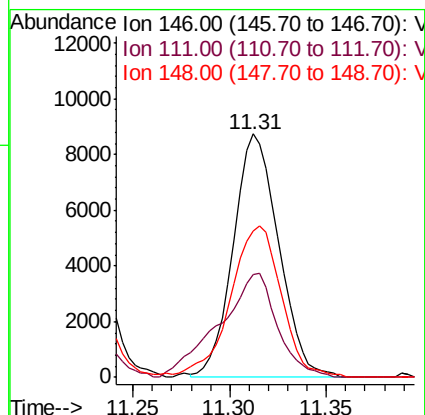
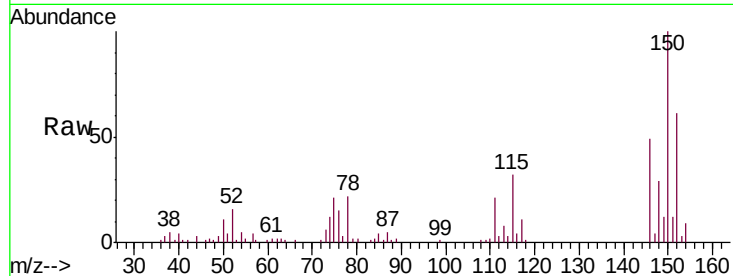




#65
 1,4-Dichlorobenzene
 Concen: 2.650 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014536.D
 Acq: 07 Feb 2020 14:08

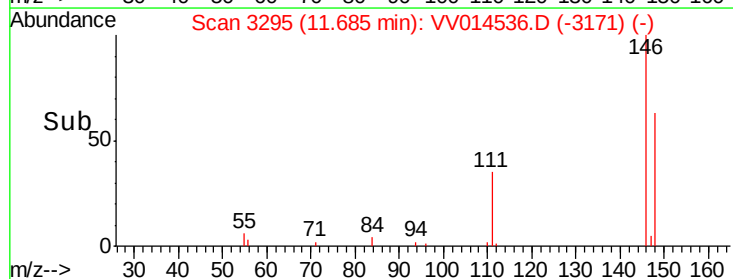
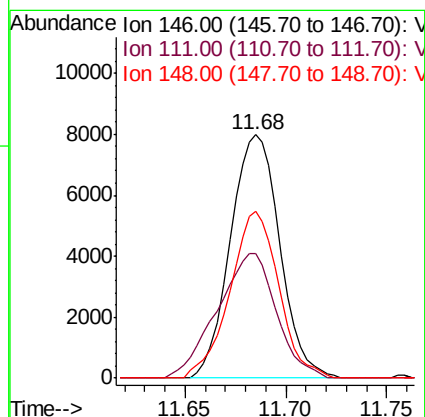
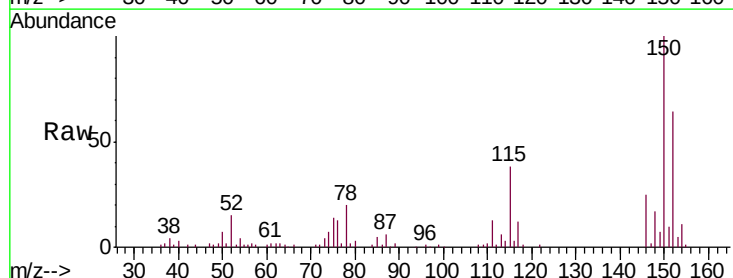
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

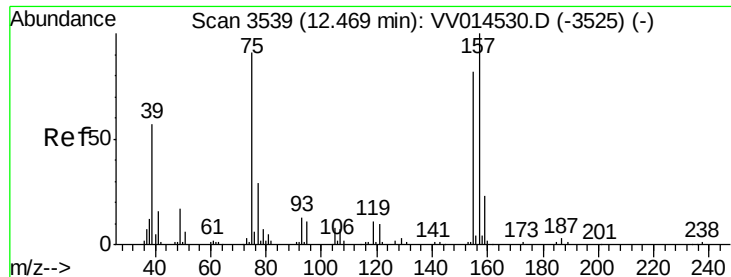
Tgt Ion:146 Resp: 14292
 Ion Ratio Lower Upper
 146 100
 111 42.4 28.1 52.3
 148 60.2 44.4 82.4



#67
 1,2-Dichlorobenzene
 Concen: 2.700 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014536.D
 Acq: 07 Feb 2020 14:08

Tgt Ion:146 Resp: 13714
 Ion Ratio Lower Upper
 146 100
 111 51.1 34.6 51.8
 148 68.4 50.2 75.4





#68

1,2-Dibromo-3-chloropropane

Concen: 2.674 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Instrument :

MSVOA_V

ClientSampleId :

MDL04

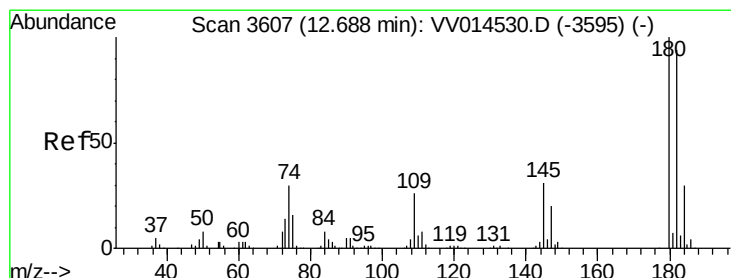
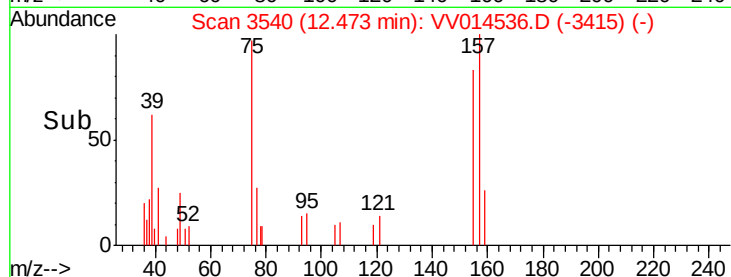
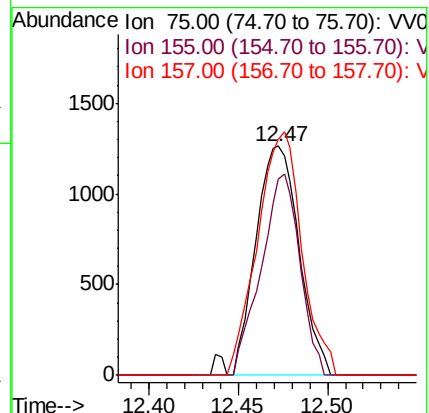
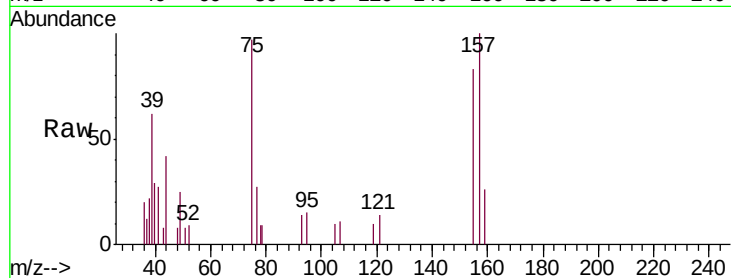
Tgt Ion: 75 Resp: 2178

Ion Ratio Lower Upper

75 100

155 85.6 68.3 102.5

157 102.7 87.1 130.7



#69

1,3,5-Trichlorobenzene

Concen: 2.401 ug/L

RT: 12.69 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VV014536.D

Acq: 07 Feb 2020 14:08

Tgt Ion: 180 Resp: 8861

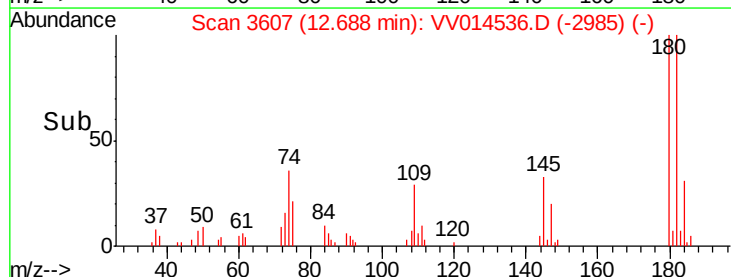
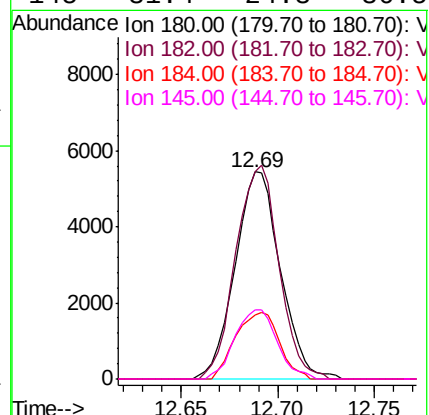
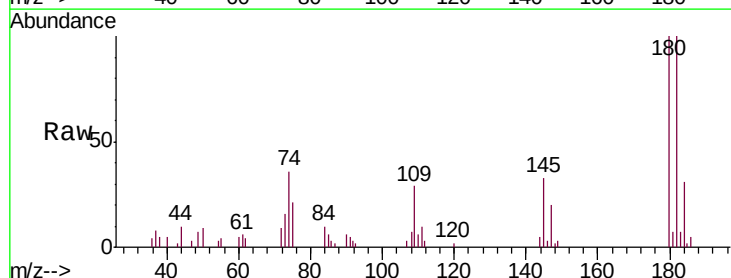
Ion Ratio Lower Upper

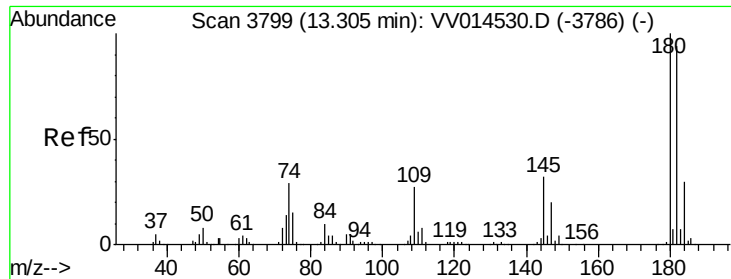
180 100

182 98.6 75.0 112.4

184 31.1 24.2 36.2

145 31.4 24.3 36.5

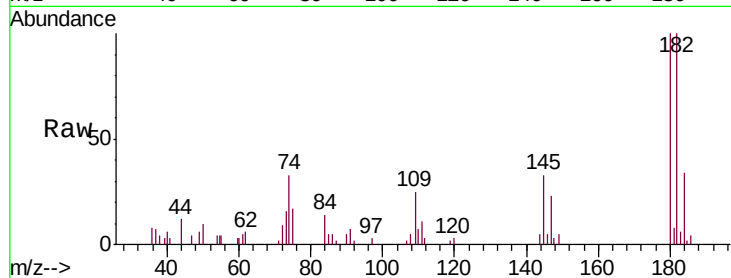




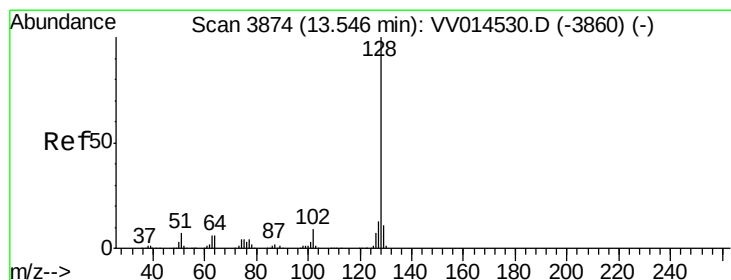
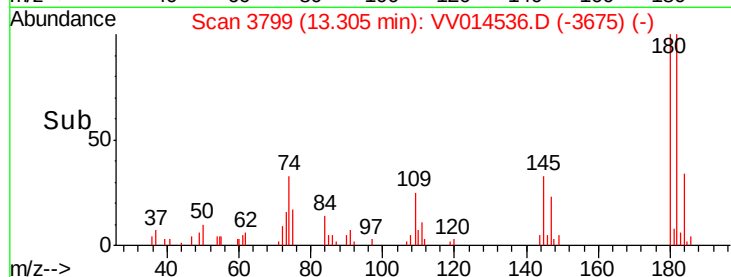
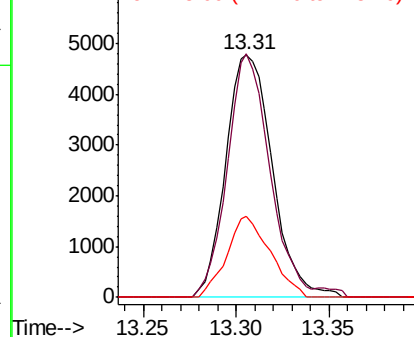
#70
 1,2,4-trichlorobenzene
 Concen: 2.455 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014536.D
 Acq: 07 Feb 2020 14:08

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion:180 Resp: 8319
 Ion Ratio Lower Upper
 180 100
 182 91.3 76.0 114.0
 145 31.0 25.3 37.9

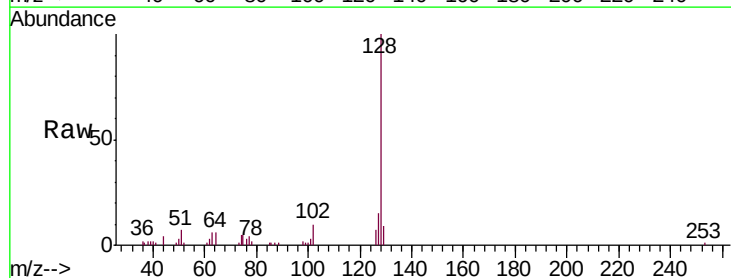


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

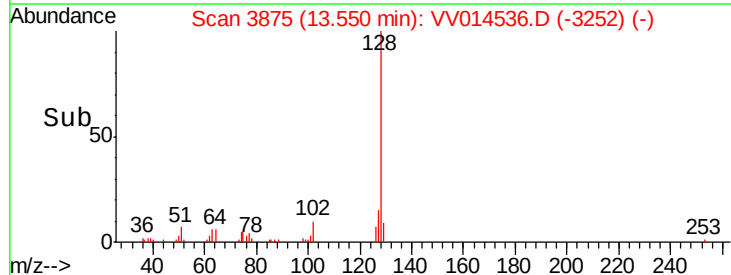
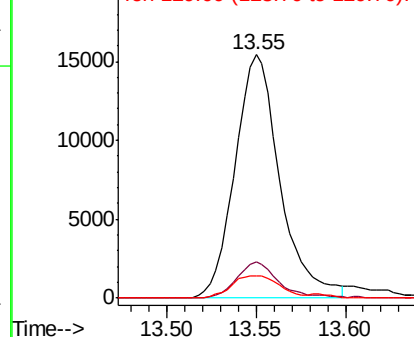


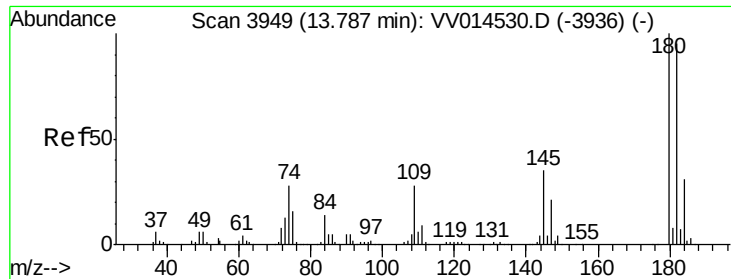
#71
 Naphthalene
 Concen: 2.432 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV014536.D
 Acq: 07 Feb 2020 14:08

Tgt Ion:128 Resp: 27067
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.3 15.5
 129 9.6 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: 2.465 ug/L
 RT: 13.79 min Scan# 3949
 Delta R.T. 0.00 min
 Lab File: VV014536.D
 Acq: 07 Feb 2020 14:08

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.2	112.8
145	31.1	27.1	40.7

