

Data File : VV012085.D
Acq On : 30 Jul 2019 22:17
Operator : SY/MD
Sample : MDL02
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Quant Time: Jul 31 05:38:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 05:31:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	110585	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	106579	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	55151	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25535	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.59	69	19932	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.13	63	42110	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	3.97	46	74254	51.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.02%
24) Chloroform-d	4.40	84	69728	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.08	65	40764	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.10	84	137759	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.12	67	37784	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.36	98	128486	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	7.67	79	15840	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.14	63	57758	51.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.60%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	27005	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	53159	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3436	0.280 ug/L	98
3) Chloromethane	1.25	50	1896	0.324 ug/L	95
5) Vinyl chloride	1.32	62	1920	0.300 ug/L #	62
6) Bromomethane	1.54	94	1078	0.272 ug/L	88
8) Chloroethane	1.60	64	1322	0.371 ug/L	87
9) Trichlorofluoromethane	1.77	101	4001	0.322 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1965	0.371 ug/L	87
12) 1,1-Dichloroethene	2.14	96	1918	0.395 ug/L #	1
13) Acetone	2.24	43	2568	3.501 ug/L	78
14) Carbon disulfide	2.32	76	4192	0.316 ug/L	100
15) Methyl Acetate	2.48	43	503	0.302 ug/L #	63
16) Methylene chloride	2.54	84	1743	0.346 ug/L #	77
17) Methyl tert-butyl Ether	2.81	73	4699	0.291 ug/L #	90
18) trans-1,2-Dichloroethene	2.78	96	2294	0.317 ug/L	89
19) 1,1-Dichloroethane	3.23	63	3863	0.300 ug/L #	85
22) cis-1,2-Dichloroethene	3.96	96	2281	0.294 ug/L	97
23) Bromochloromethane	4.30	128	811	0.233 ug/L	94

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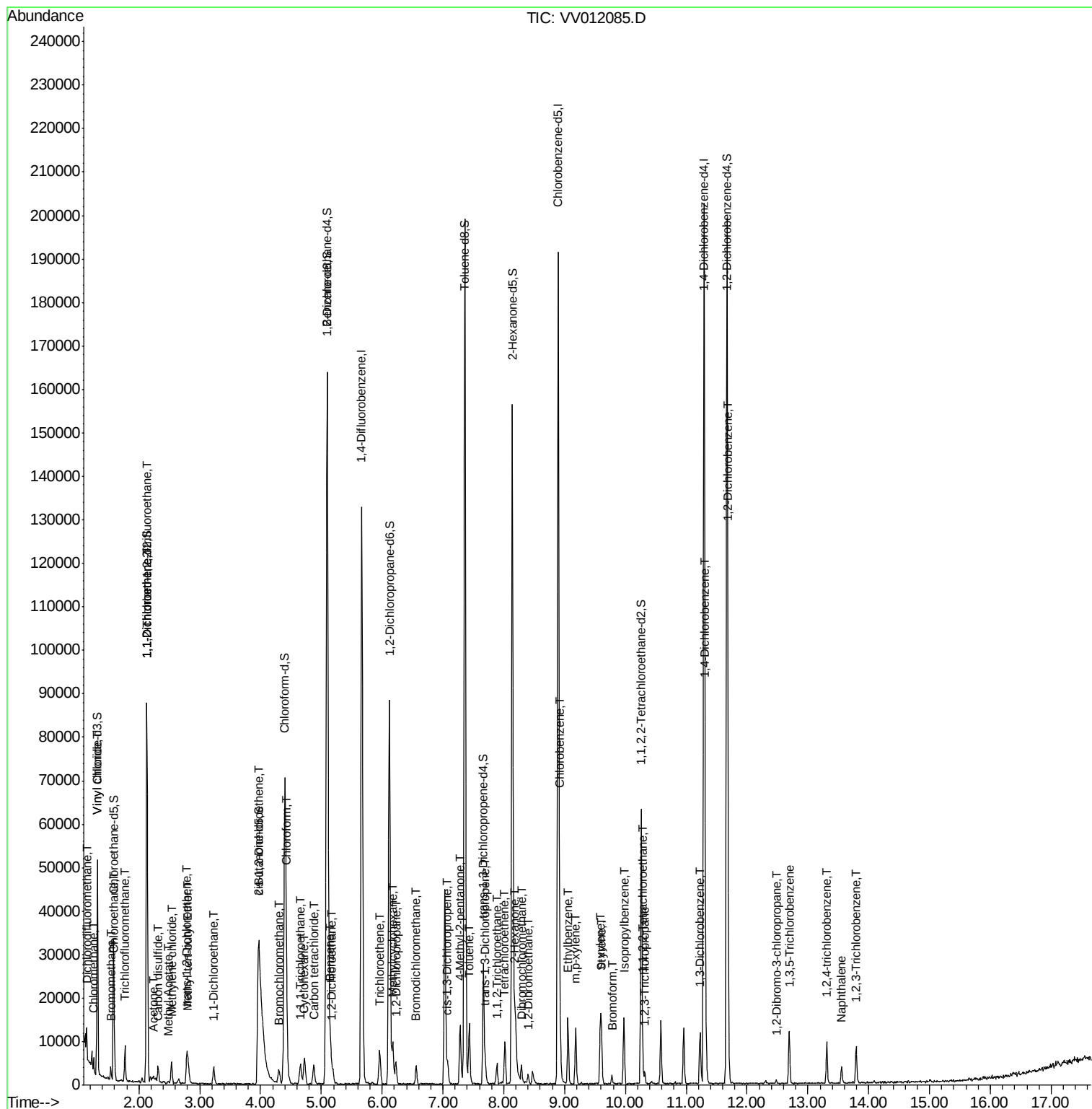
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.43	83	11292	0.676	ug/L	97
27) 1,2-Dichloroethane	5.19	62	2890	0.314	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	4060	0.293	ug/L #	87
30) Cyclohexane	4.72	56	3014	0.286	ug/L #	89
31) Carbon tetrachloride	4.88	117	3337	0.269	ug/L	97
33) Benzene	5.15	78	8278	0.293	ug/L	100
34) Trichloroethene	5.96	95	2534	0.311	ug/L	84
35) Methylcyclohexane	6.17	83	3412	0.276	ug/L #	90
37) 1,2-Dichloropropane	6.23	63	1913	0.293	ug/L #	82
38) Bromodichloromethane	6.56	83	2849	0.297	ug/L	94
39) cis-1,3-Dichloropropene	7.07	75	2691	0.265	ug/L	85
40) 4-Methyl-2-pentanone	7.28	43	9180	2.581	ug/L #	85
42) Toluene	7.43	91	9756	0.316	ug/L	96
44) trans-1,3-Dichloropropene	7.70	75	3186	0.388	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	1645	0.338	ug/L	84
47) Tetrachloroethene	8.02	164	2168	0.293	ug/L	90
48) 2-Hexanone	8.19	43	8202	3.316	ug/L	95
49) Dibromochloromethane	8.29	129	1788	0.283	ug/L	92
50) 1,2-Dibromoethane	8.40	107	1549	0.332	ug/L #	98
51) Chlorobenzene	8.92	112	6494	0.310	ug/L	96
52) Ethylbenzene	9.05	91	10115	0.284	ug/L	97
53) m,p-xylene	9.18	106	3756	0.275	ug/L	97
54) o-xylene	9.59	106	3693	0.282	ug/L	100
55) Styrene	9.61	104	5419	0.244	ug/L	98
56) Isopropylbenzene	9.97	105	9742	0.269	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	1804	0.335	ug/L	89
59) 1,2,3-Trichloropropane	10.32	75	1203	0.296	ug/L	90
61) Bromoform	9.77	173	980	0.299	ug/L #	88
62) 1,3-Dichlorobenzene	11.22	146	5266	0.310	ug/L	90
63) 1,4-Dichlorobenzene	11.32	146	5686	0.328	ug/L	93
65) 1,2-Dichlorobenzene	11.69	146	4943	0.322	ug/L #	86
66) 1,2-Dibromo-3-chloropropan	12.48	75	210	0.254	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.69	180	4525	0.325	ug/L	94
68) 1,2,4-trichlorobenzene	13.31	180	3326	0.296	ug/L	88
69) Naphthalene	13.56	128	4129	0.273	ug/L #	92
70) 1,2,3-Trichlorobenzene	13.79	180	3008	0.301	ug/L	96

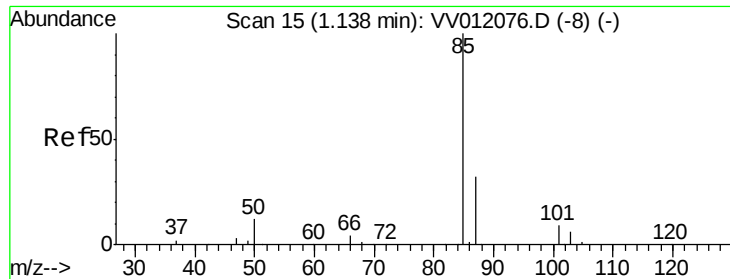
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.280 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampleId :

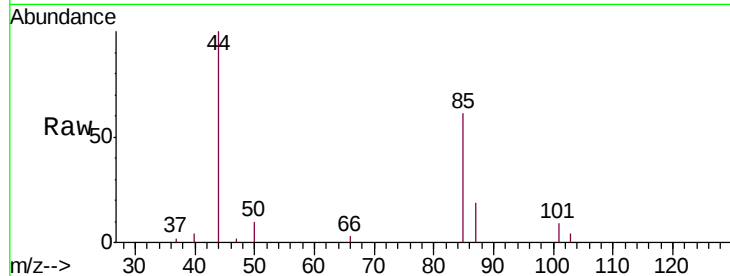
MDL02

Tgt Ion: 85 Resp: 3436

Ion Ratio Lower Upper

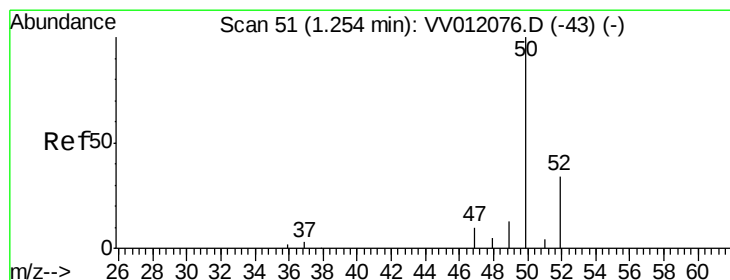
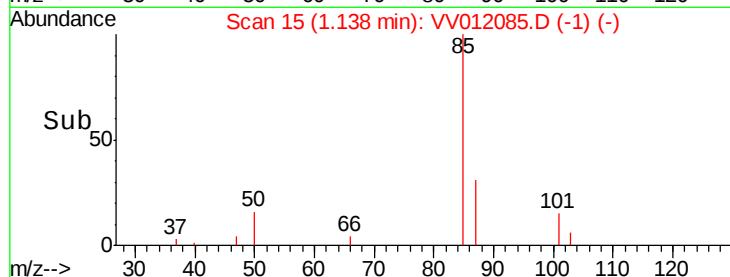
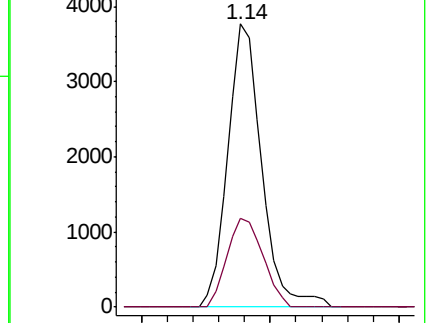
85 100

87 33.2 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV012076.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012076.D (-8) (-)



#3

Chloromethane

Concen: 0.324 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012085.D

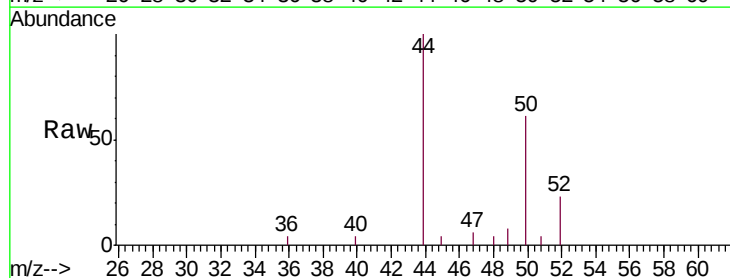
Acq: 30 Jul 2019 22:17

Tgt Ion: 50 Resp: 1896

Ion Ratio Lower Upper

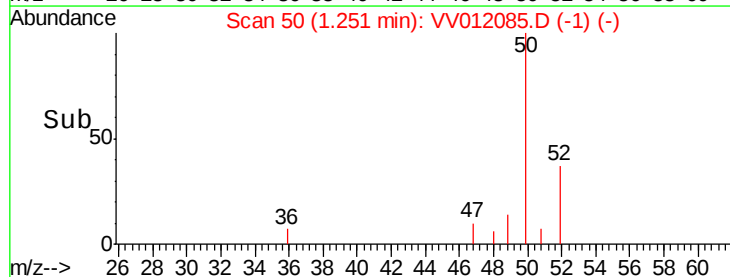
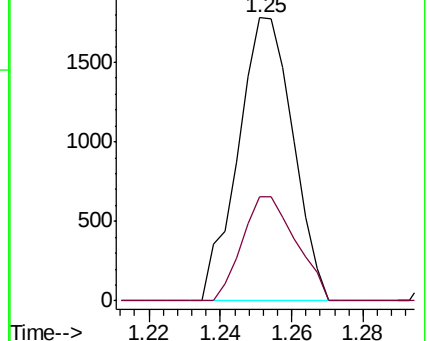
50 100

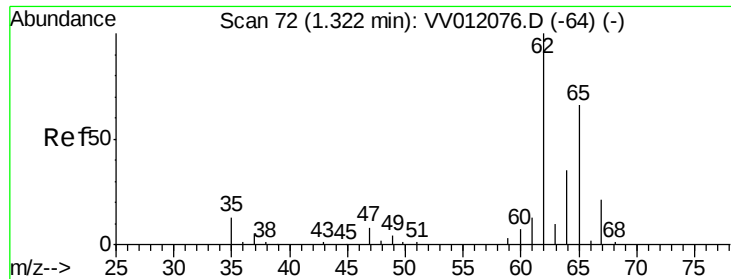
52 36.9 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV012076.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV012076.D (-43) (-)





#5

Vinyl chloride

Concen: 0.300 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampleId :

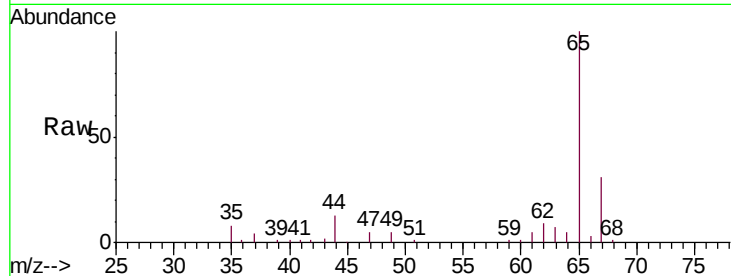
MDL02

Tgt Ion: 62 Resp: 1920

Ion Ratio Lower Upper

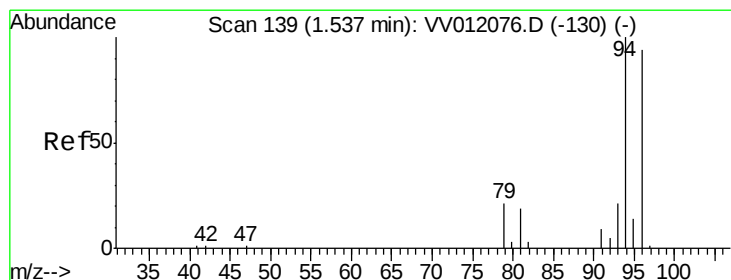
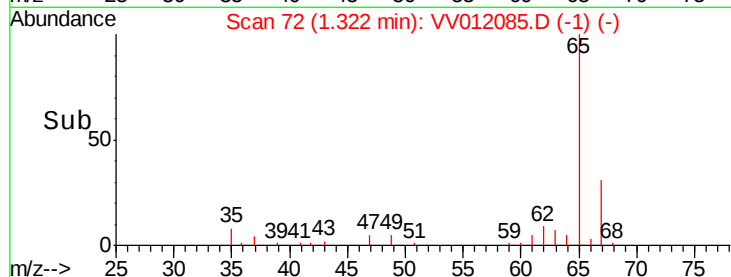
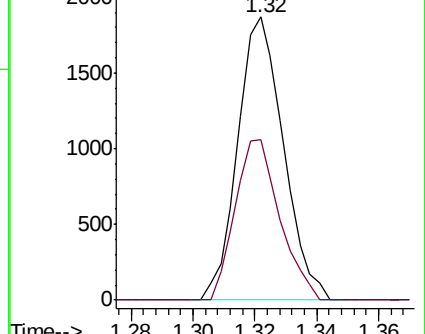
62 100

64 56.8 24.3 45.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.272 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012085.D

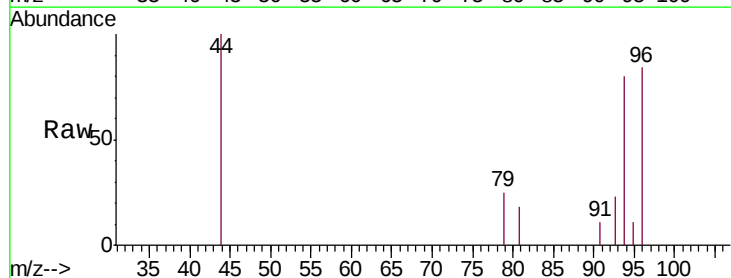
Acq: 30 Jul 2019 22:17

Tgt Ion: 94 Resp: 1078

Ion Ratio Lower Upper

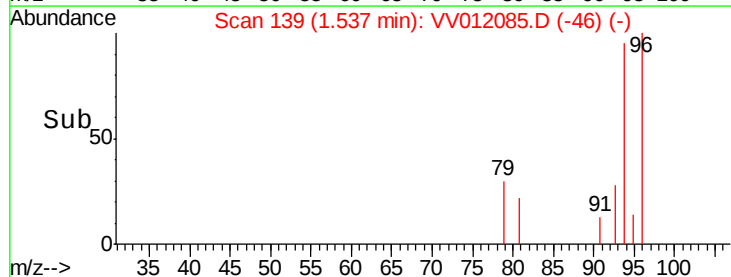
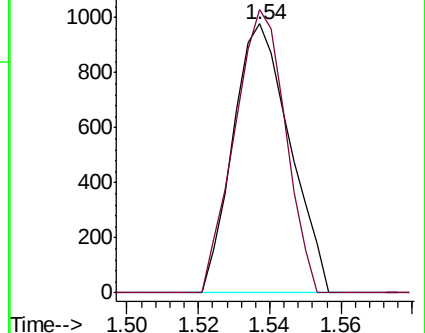
94 100

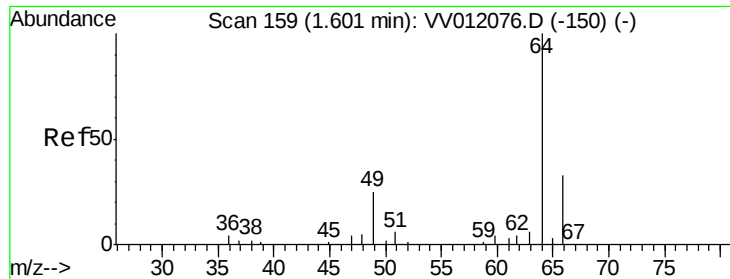
96 105.1 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

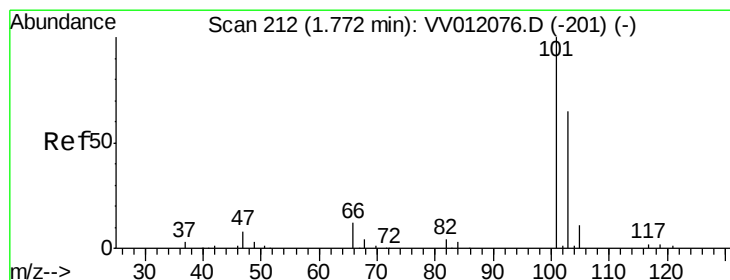
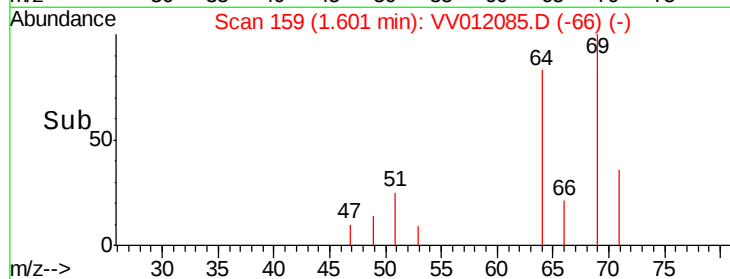
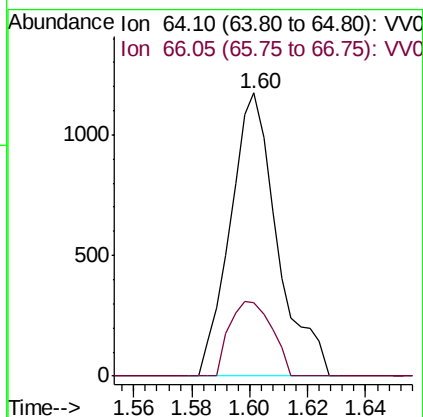
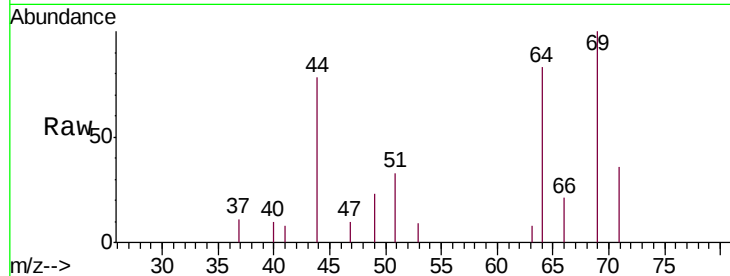




#8
Chloroethane
Concen: 0.371 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

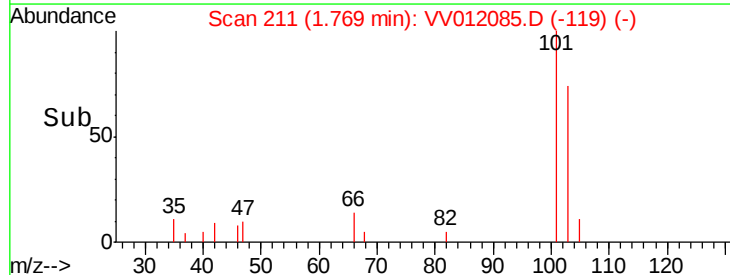
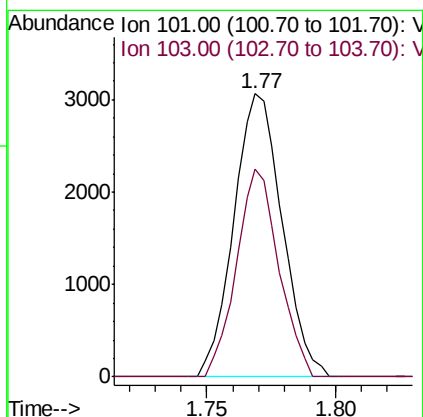
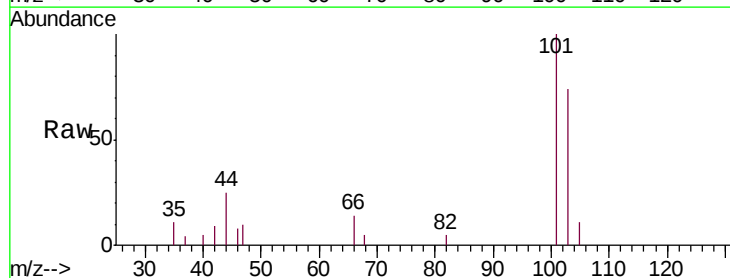
Instrument :
MSVOA_V
ClientSampled :
MDL02

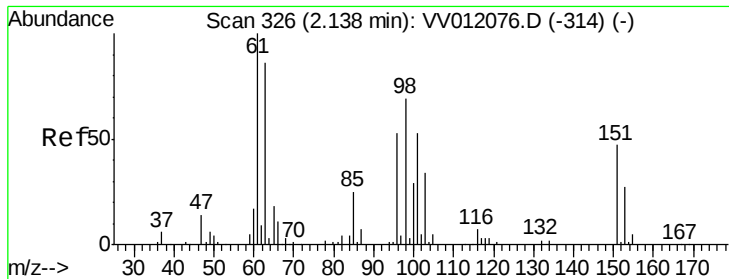
Tgt Ion: 64 Resp: 1322
Ion Ratio Lower Upper
64 100
66 25.8 23.1 42.9



#9
Trichlorofluoromethane
Concen: 0.322 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Tgt Ion: 101 Resp: 4001
Ion Ratio Lower Upper
101 100
103 64.3 51.3 76.9





#10

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

Concen: 0.371 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampled :

MDL02

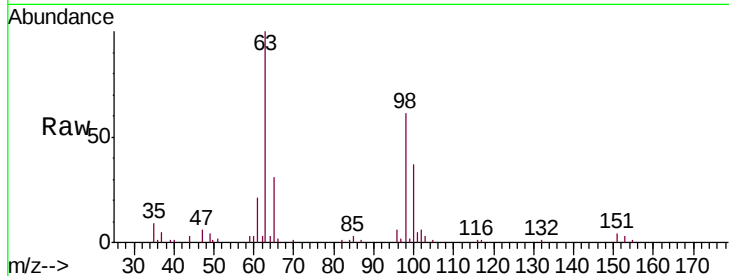
Tgt Ion:101 Resp: 1965

Ion Ratio Lower Upper

101 100

85 39.8 37.4 56.2

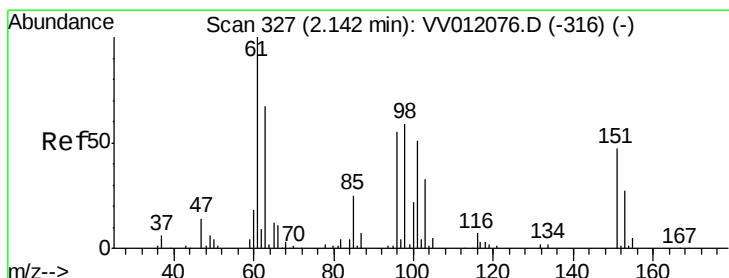
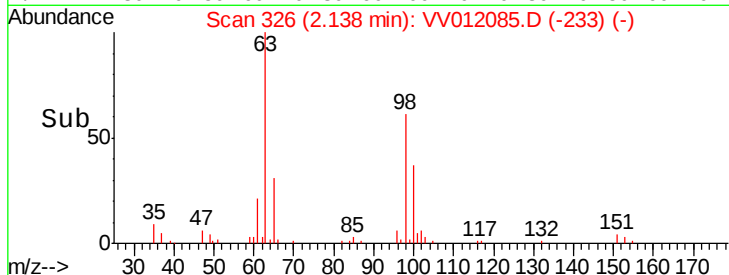
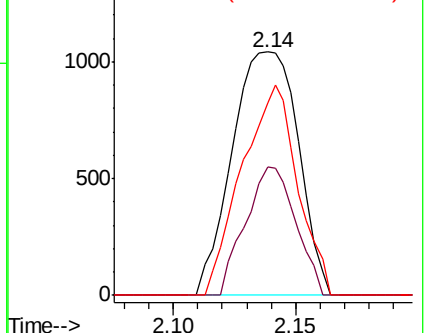
151 72.7 69.1 103.7



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: 0.395 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

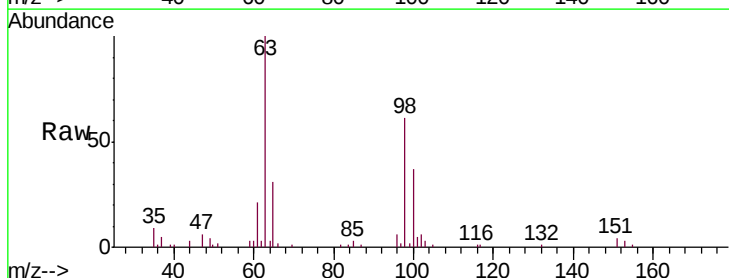
Tgt Ion: 96 Resp: 1918

Ion Ratio Lower Upper

96 100

61 339.3 126.9 235.7#

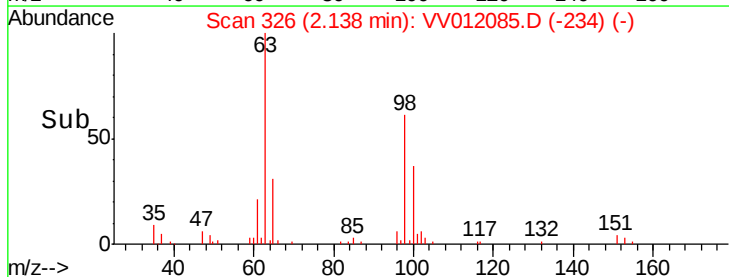
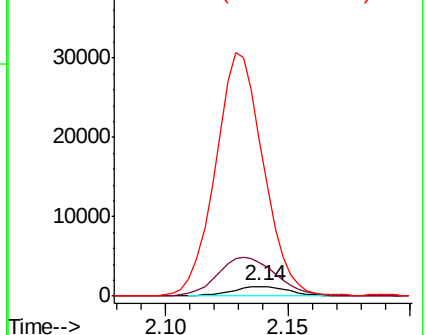
63 1586.0 87.6 162.8#

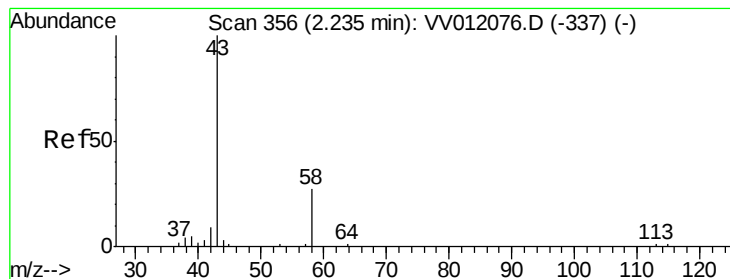


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.501 ug/L

RT: 2.24 min Scan# 358

Delta R.T. 0.01 min

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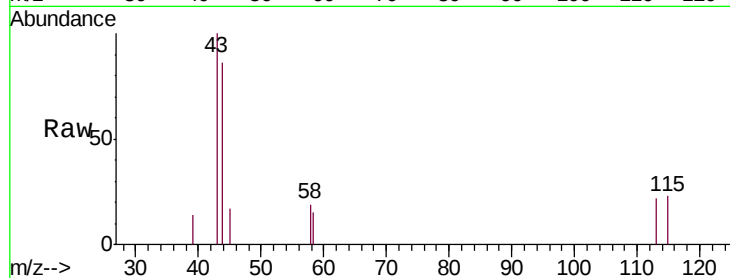
MDL02

Tgt Ion: 43 Resp: 2568

Ion Ratio Lower Upper

43 100

58 14.4 0.0 51.0



Abundance Ion 43.05 (42.75 to 43.75): VV012076.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV012076.D (-337) (-)

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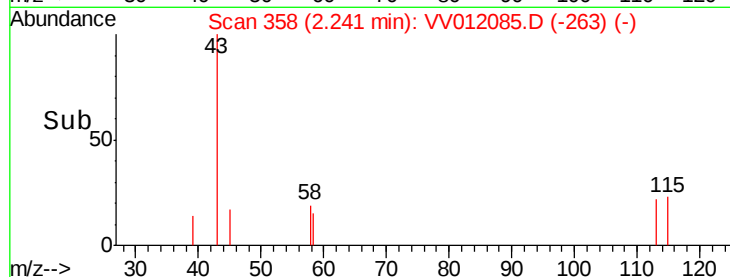
2.24

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#14

Carbon disulfide

Concen: 0.316 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012085.D

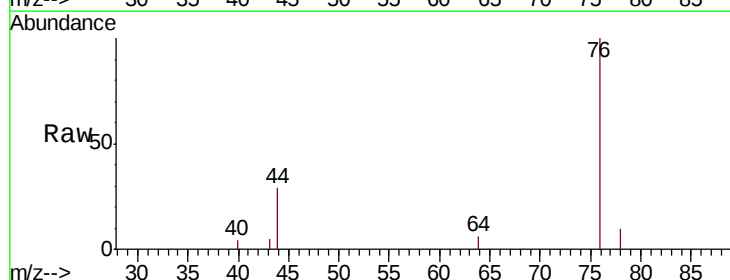
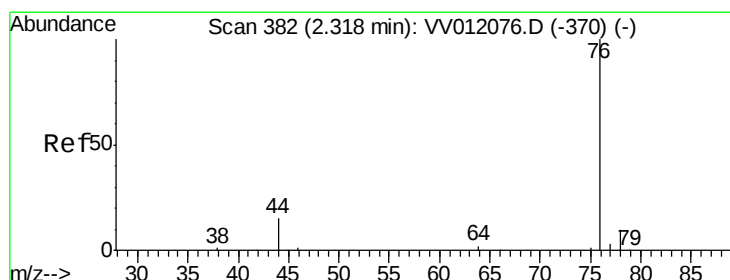
Acq: 30 Jul 2019 22:17

Tgt Ion: 76 Resp: 4192

Ion Ratio Lower Upper

76 100

78 9.9 7.9 11.9



Abundance Ion 76.05 (75.75 to 76.75): VV012076.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV012076.D (-370) (-)

2.32

2.32

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2.32

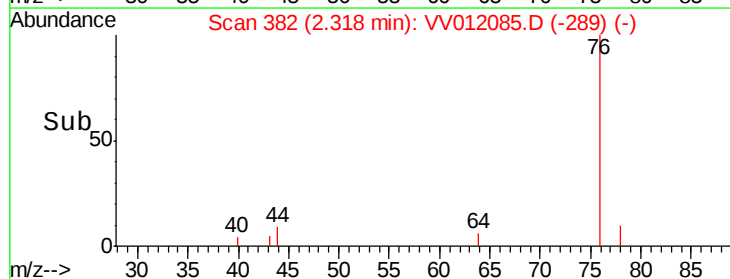
2.32

2.32

2.32

2.32

2.32



Abundance Ion 76.05 (75.75 to 76.75): VV012085.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV012085.D (-289) (-)

2.32

2.32

2.32

2.32

2.32

2.32

2.32

2.32

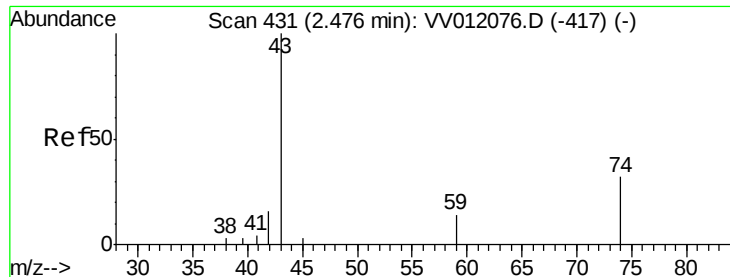
2.32

2.32

2.32

2.32

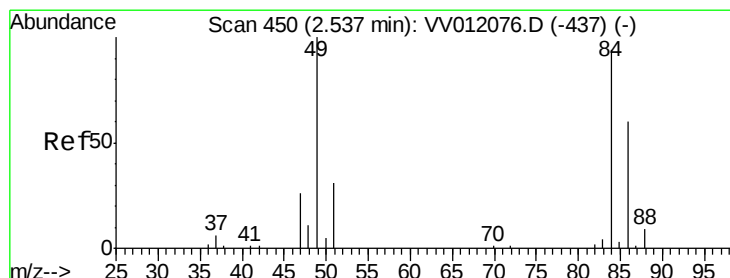
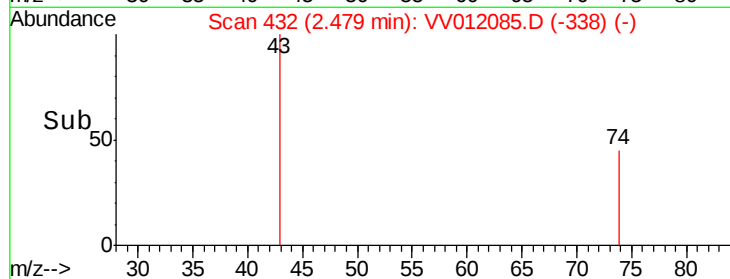
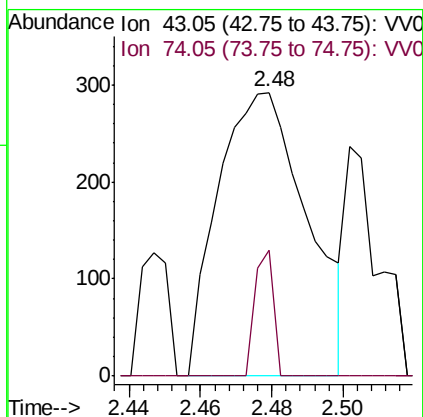
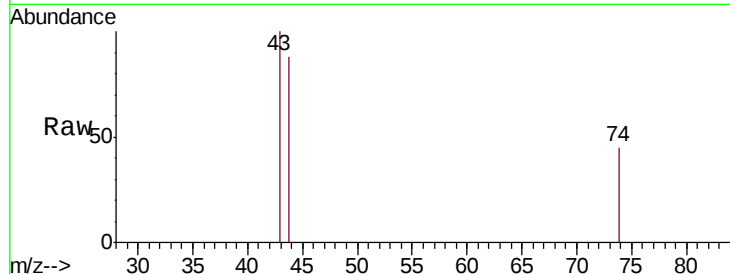
2.32



#15
Methyl Acetate
Concen: 0.302 ug/L
RT: 2.48 min Scan# 432
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

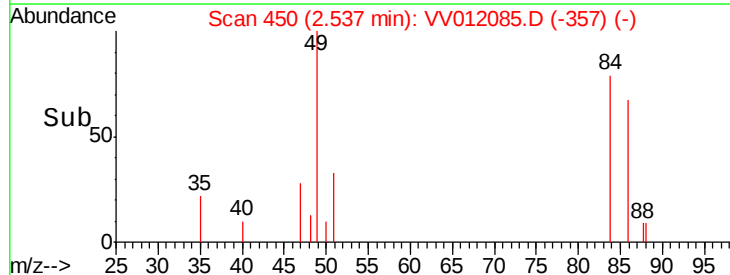
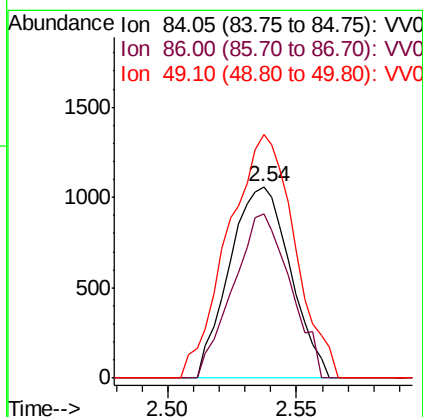
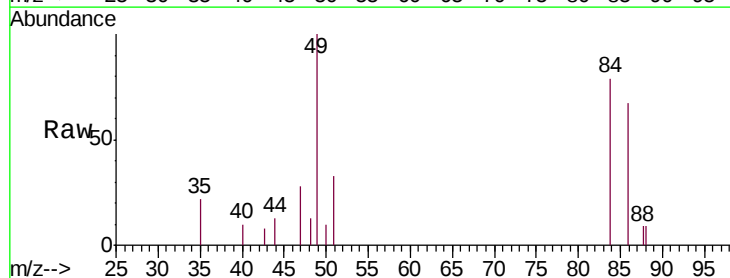
Instrument :
MSVOA_V
ClientSampled :
MDL02

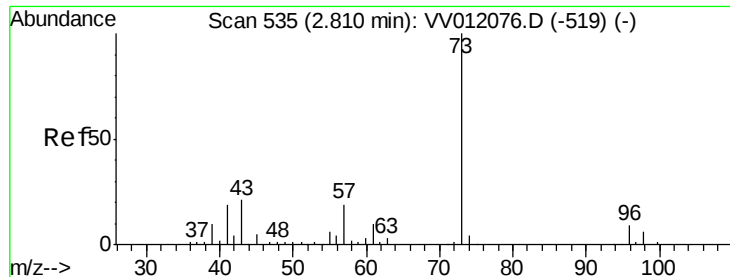
Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
74 9.3 23.4 35.0#



#16
Methylene chloride
Concen: 0.346 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Tgt Ion: 84 Resp: 1743
Ion Ratio Lower Upper
84 100
86 85.5 45.0 83.6#
49 127.0 74.4 138.2





#17

Methyl tert-butyl Ether

Concen: 0.291 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampleId :

MDL02

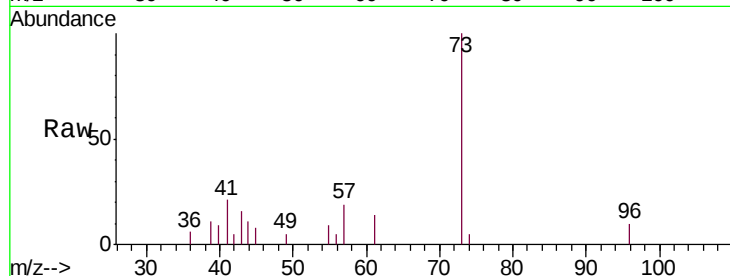
Tgt Ion: 73 Resp: 4699

Ion Ratio Lower Upper

73 100

43 14.6 17.2 25.8#

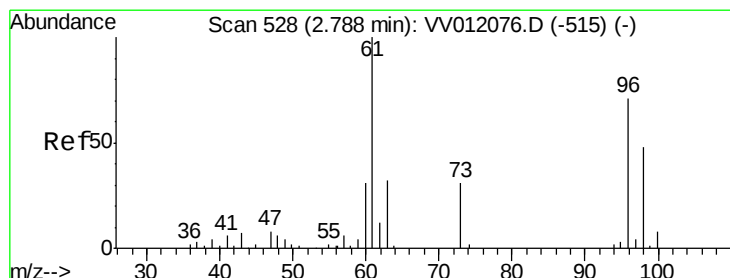
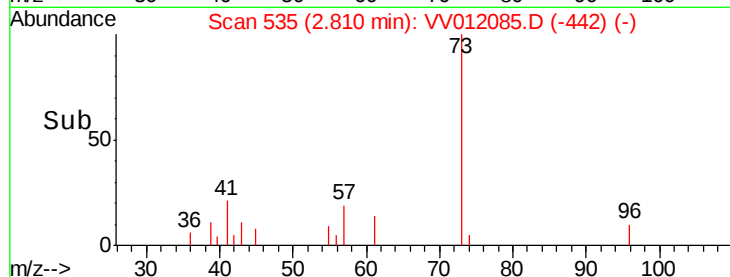
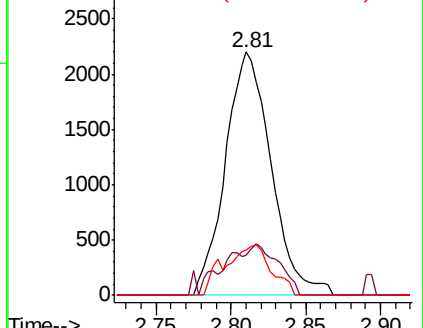
57 17.1 15.1 22.7



Abundance Ion 73.10 (72.80 to 73.80): VV012076.D (-519) (-)

Ion 43.05 (42.75 to 43.75): VV012076.D (-519) (-)

Ion 57.10 (56.80 to 57.80): VV012076.D (-519) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.317 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

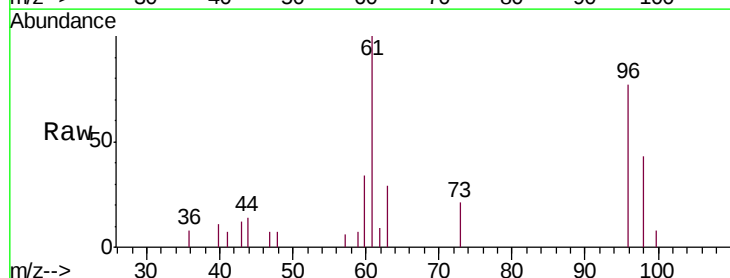
Tgt Ion: 96 Resp: 2294

Ion Ratio Lower Upper

96 100

61 130.4 99.0 184.0

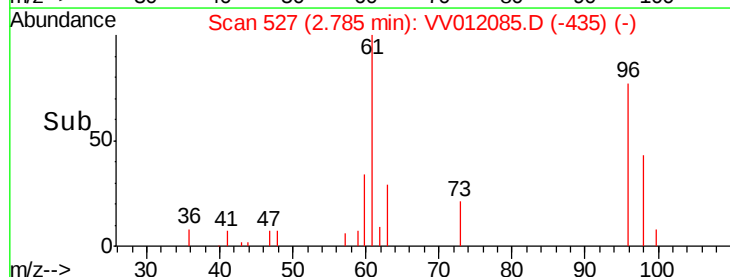
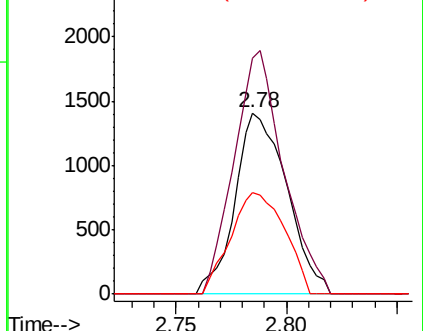
98 56.0 47.9 88.9

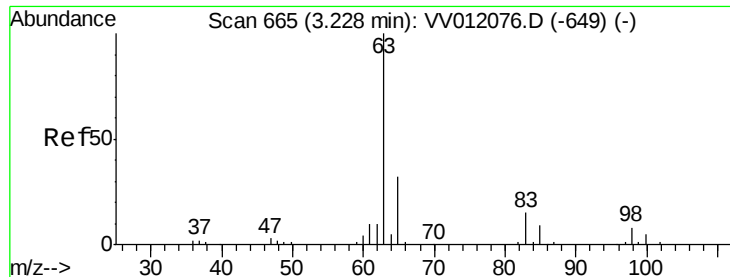


Abundance Ion 96.00 (95.70 to 96.70): VV012076.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV012076.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV012076.D (-515) (-)

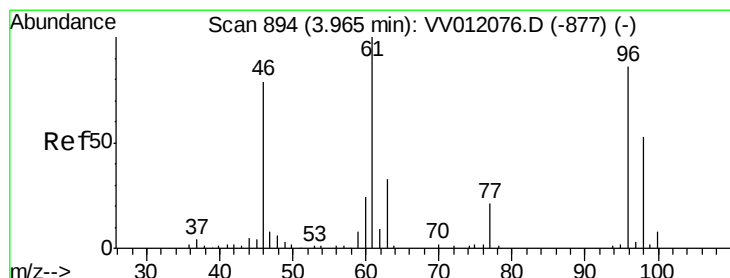
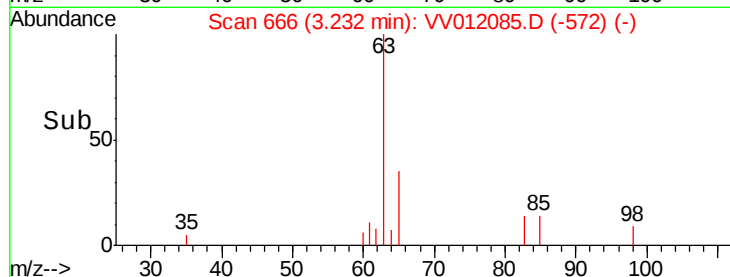
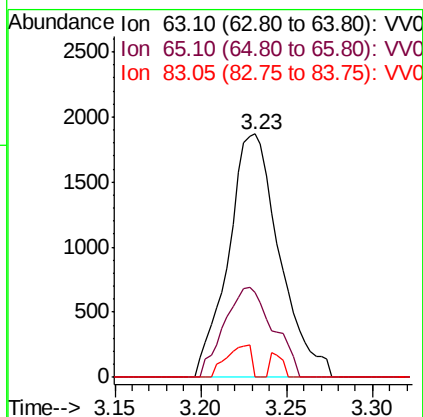
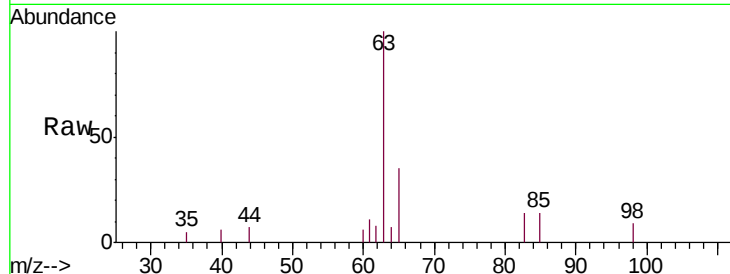




#19
 1,1-Dichloroethane
 Concen: 0.300 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV012085.D
 Acq: 30 Jul 2019 22:17

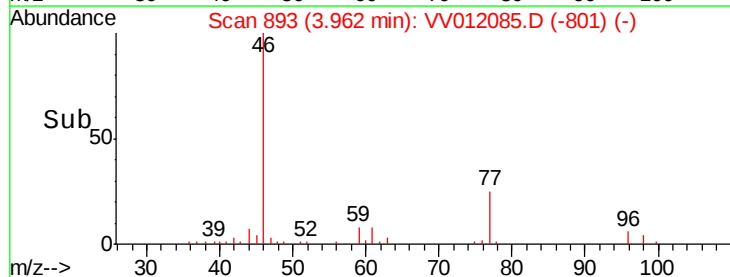
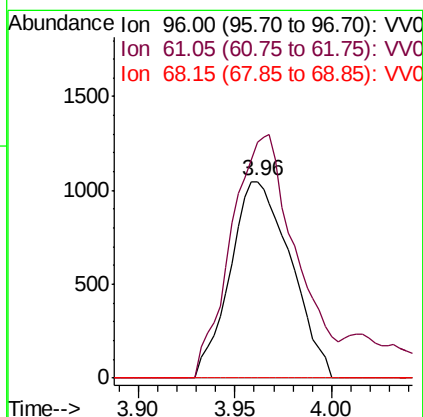
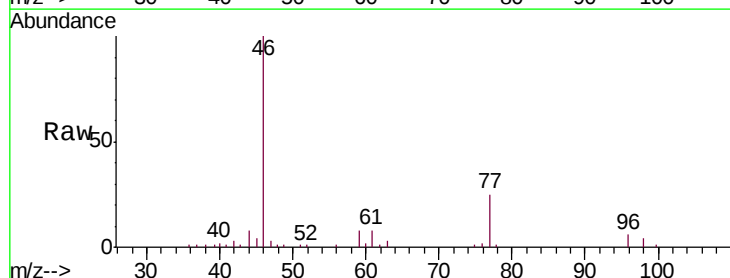
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

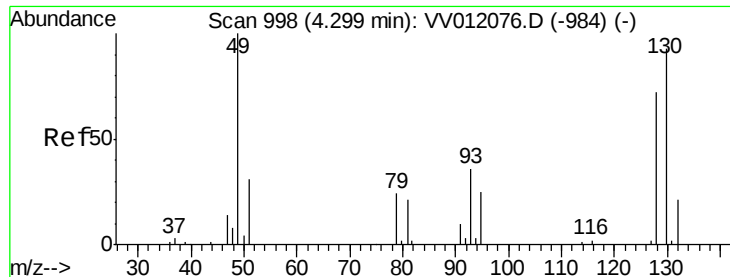
Tgt Ion: 63 Resp: 3863
 Ion Ratio Lower Upper
 63 100
 65 34.9 22.3 41.3
 83 0.0 10.4 19.2#



#22
 cis-1,2-Dichloroethene
 Concen: 0.294 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV012085.D
 Acq: 30 Jul 2019 22:17

Tgt Ion: 96 Resp: 2281
 Ion Ratio Lower Upper
 96 100
 61 120.2 81.5 151.5
 68 0.0 0.0 0.0

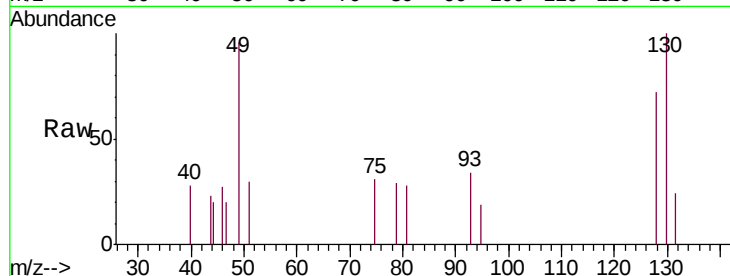




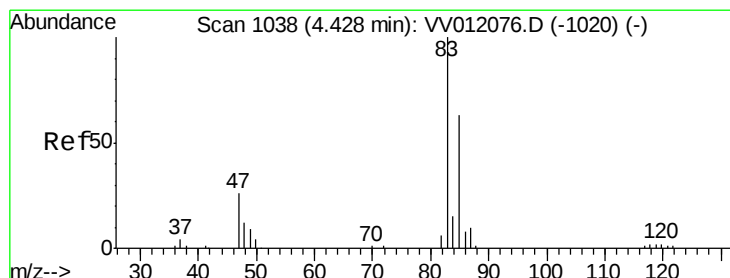
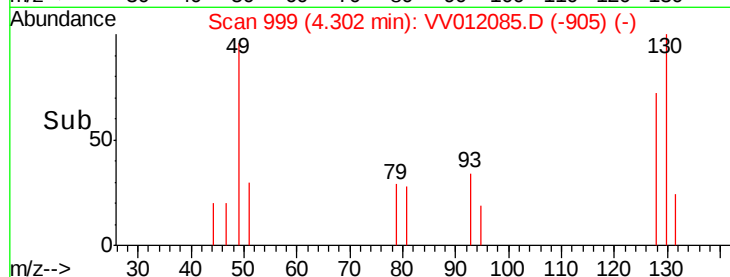
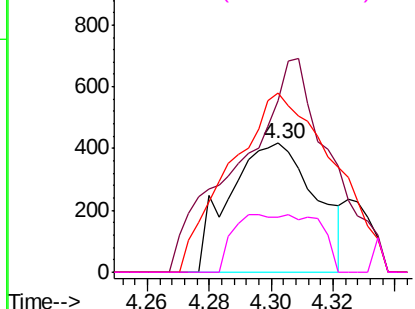
#23
Bromochloromethane
Concen: 0.233 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion: 128 Resp: 811
Ion Ratio Lower Upper
128 100
49 133.1 97.9 181.7
130 139.3 90.9 168.9
51 42.4 34.6 51.8

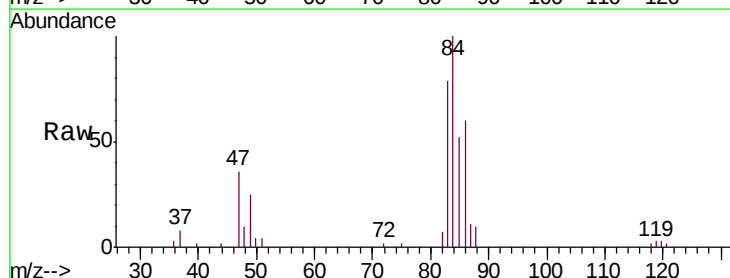


Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

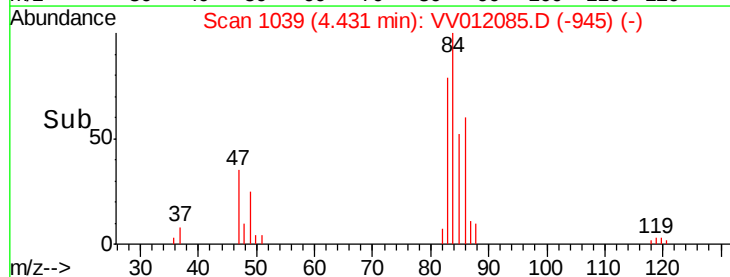
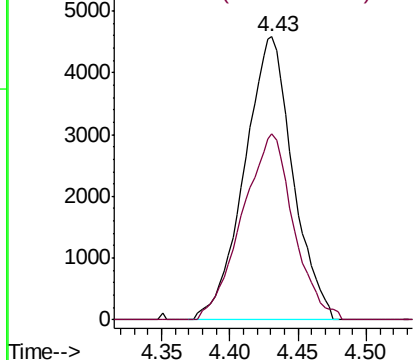


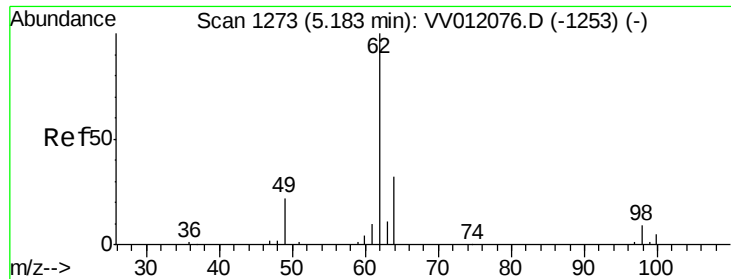
#25
Chloroform
Concen: 0.676 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Tgt Ion: 83 Resp: 11292
Ion Ratio Lower Upper
83 100
85 65.9 44.7 83.1



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.314 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampled :

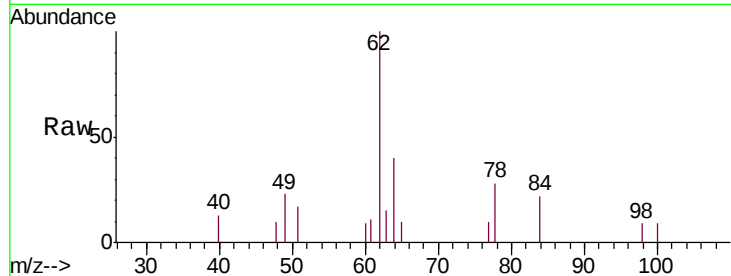
MDL02

Tgt Ion: 62 Resp: 2890

Ion Ratio Lower Upper

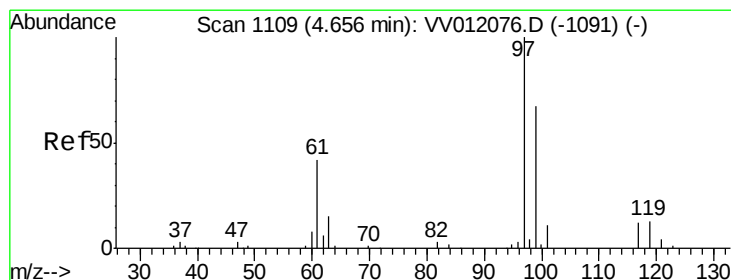
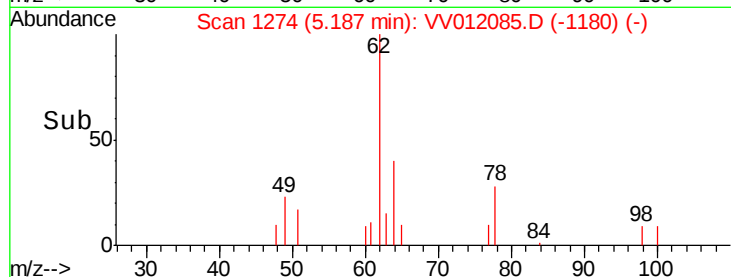
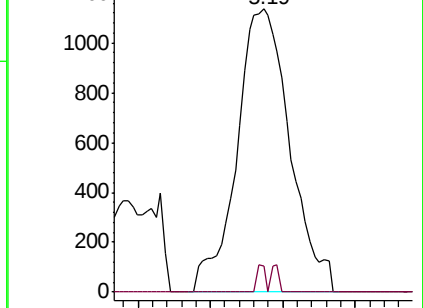
62 100

98 9.2 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VV012076.D (-1253) (-)

Ion 98.05 (97.75 to 98.75): VV012076.D (-1253) (-)



#29

1,1,1-Trichloroethane

Concen: 0.293 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

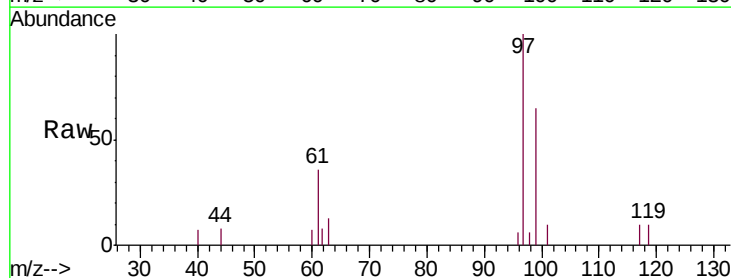
Tgt Ion: 97 Resp: 4060

Ion Ratio Lower Upper

97 100

99 61.6 51.7 77.5

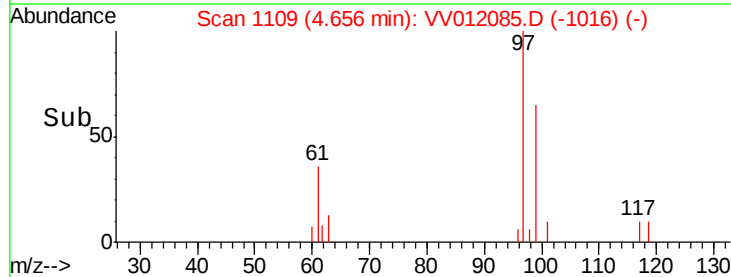
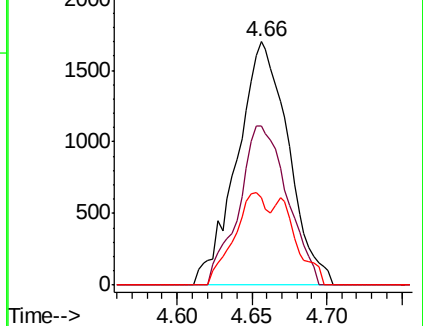
61 25.5 34.2 51.2#

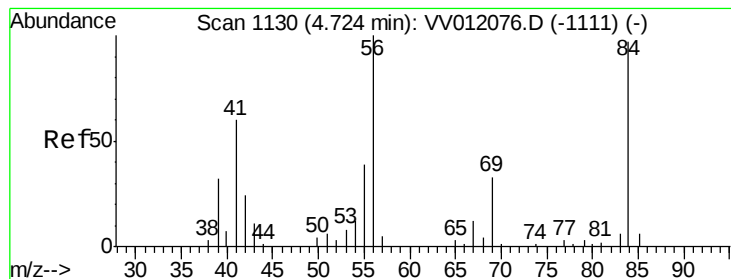


Abundance Ion 96.95 (96.65 to 97.65): VV012076.D (-1091) (-)

Ion 99.05 (98.75 to 99.75): VV012076.D (-1091) (-)

Ion 61.05 (60.75 to 61.75): VV012076.D (-1091) (-)





#30

Cyclohexane

Concen: 0.286 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampled :

MDL02

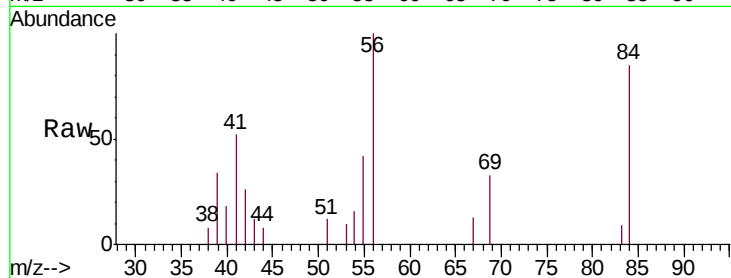
Tgt Ion: 56 Resp: 3014

Ion Ratio Lower Upper

56 100

69 19.3 26.0 39.0#

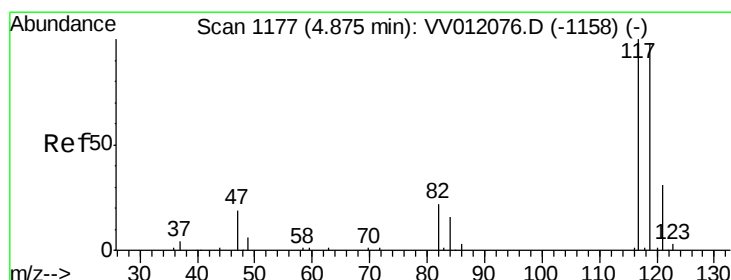
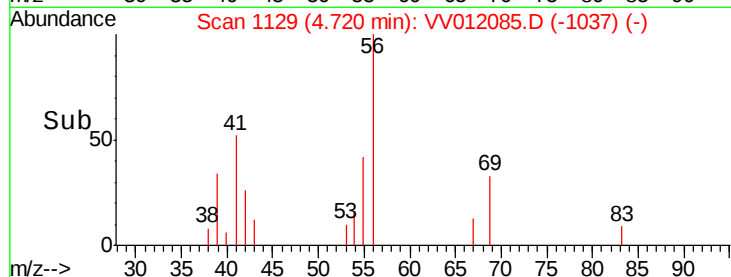
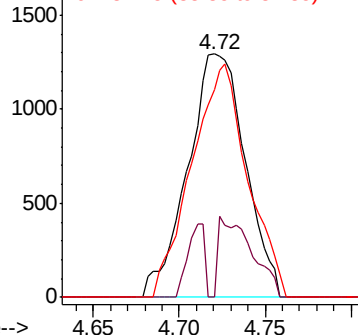
84 93.3 79.9 119.9



Abundance Ion 56.10 (55.80 to 56.80): VV012076.D (-1111) (-)

Ion 69.15 (68.85 to 69.85): VV012076.D (-1111) (-)

Ion 84.15 (83.85 to 84.85): VV012076.D (-1111) (-)



#31

Carbon tetrachloride

Concen: 0.269 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV012085.D

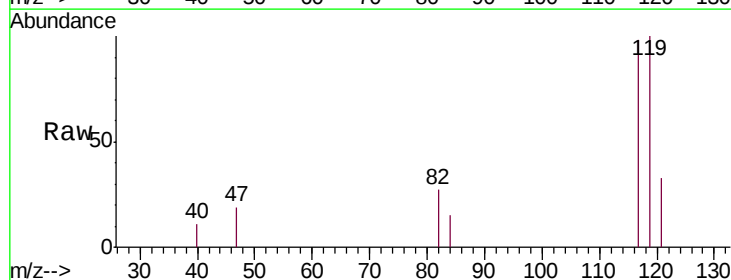
Acq: 30 Jul 2019 22:17

Tgt Ion: 117 Resp: 3337

Ion Ratio Lower Upper

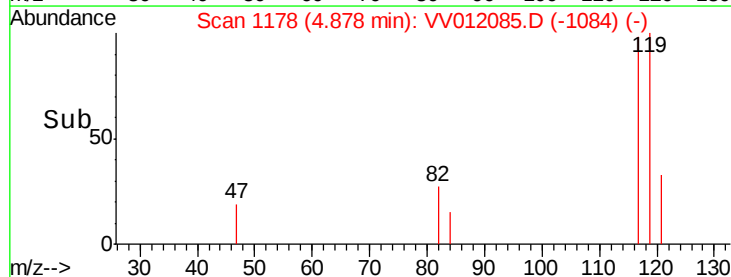
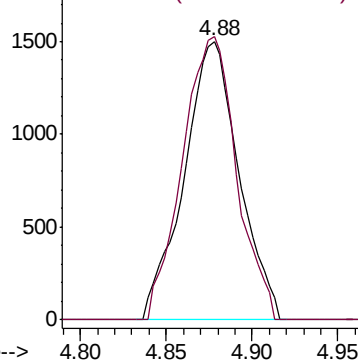
117 100

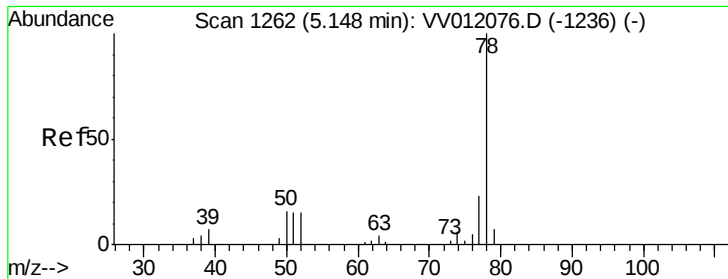
119 100.2 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): VV012076.D (-1158) (-)

Ion 118.90 (118.60 to 119.60): VV012076.D (-1158) (-)





#33

Benzene

Concen: 0.293 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

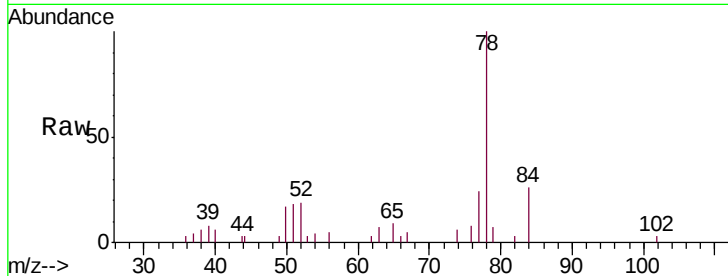
Instrument :

MSVOA_V

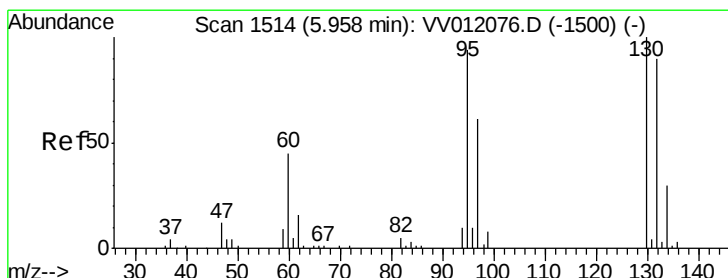
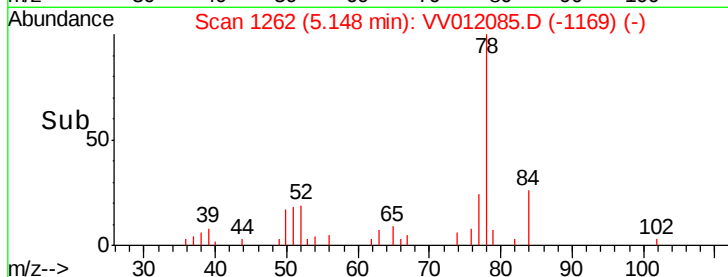
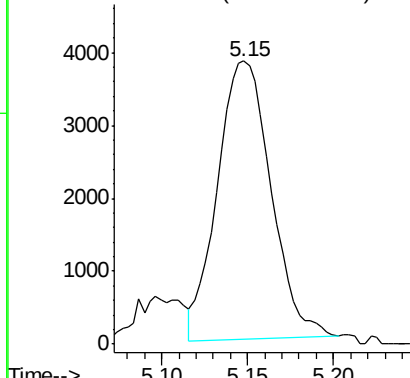
ClientSampleId :

MDL02

Tgt Ion: 78 Resp: 8278



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.311 ug/L

RT: 5.96 min Scan# 1515

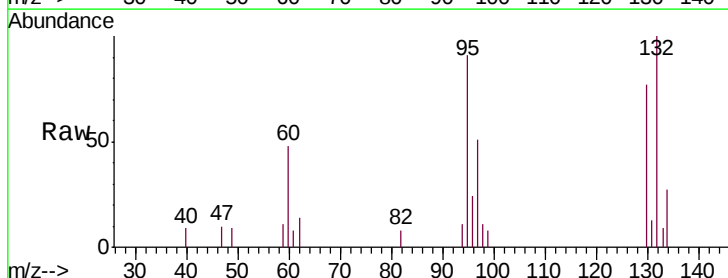
Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Tgt Ion: 95 Resp: 2534

Ion	Ratio	Lower	Upper
95	100		
97	56.4	45.4	84.2
132	110.2	67.0	124.4
130	84.7	74.3	137.9

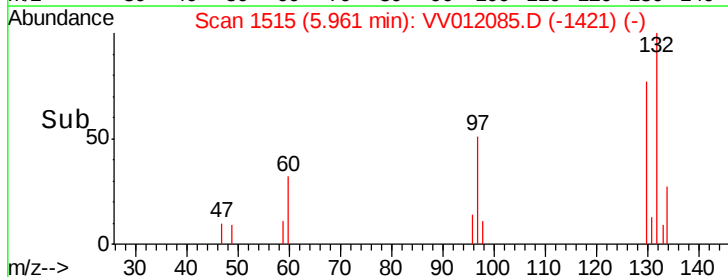
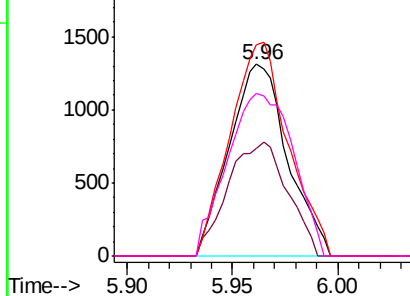


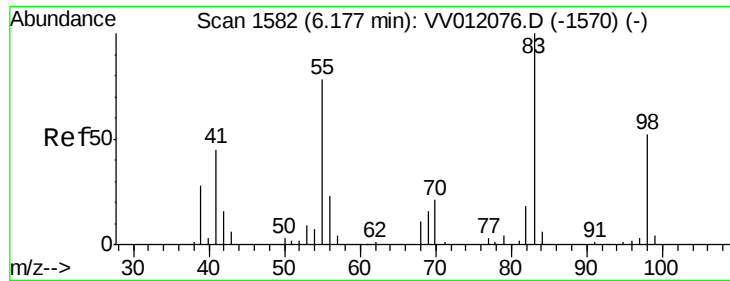
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

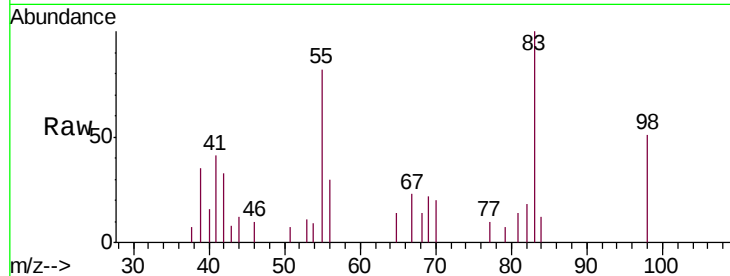




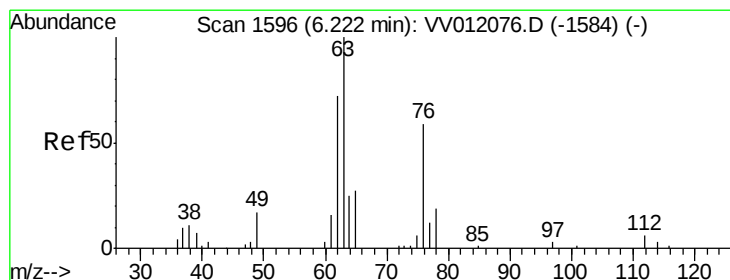
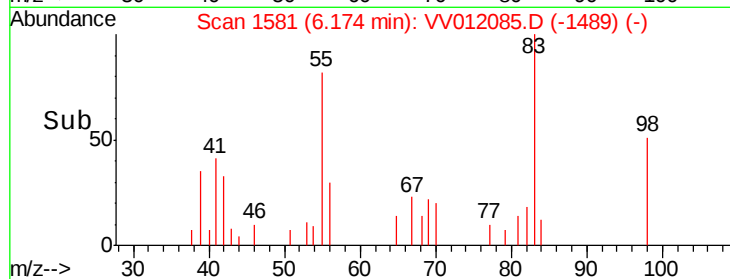
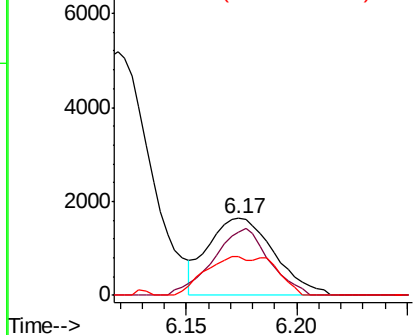
#35
Methylcyclohexane
Concen: 0.276 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tgt Ion: 83 Resp: 3412
Ion Ratio Lower Upper
83 100
55 73.5 59.9 89.9
98 35.8 40.8 61.2#

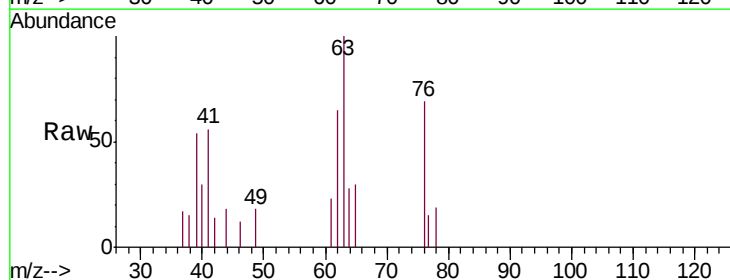


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

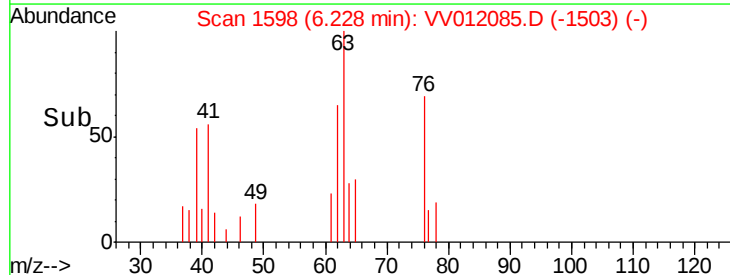
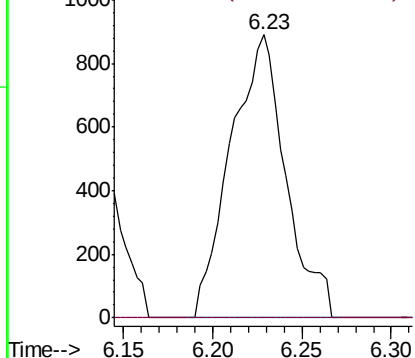


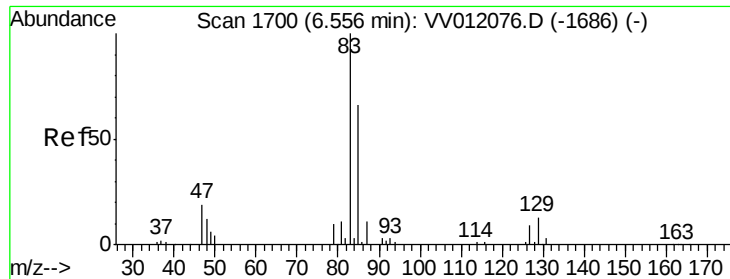
#37
1,2-Dichloropropane
Concen: 0.293 ug/L
RT: 6.23 min Scan# 1598
Delta R.T. 0.01 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Tgt Ion: 63 Resp: 1913
Ion Ratio Lower Upper
63 100
112 0.0 4.7 7.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

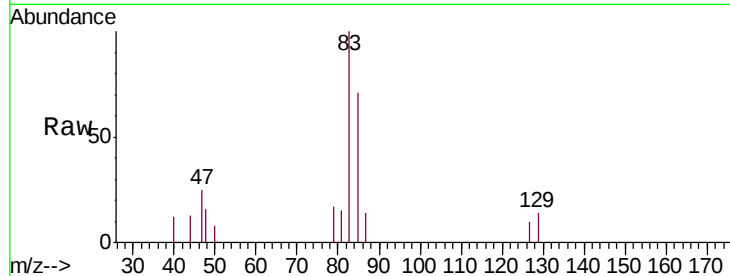




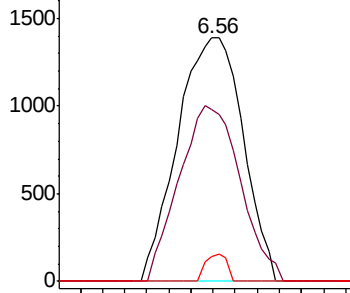
#38
Bromodichloromethane
Concen: 0.297 ug/L
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Instrument :
MSVOA_V
ClientSampleId :
MDL02

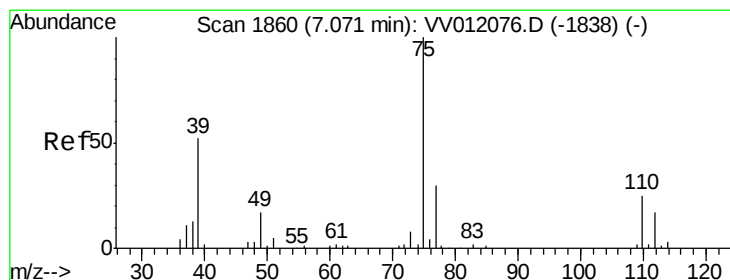
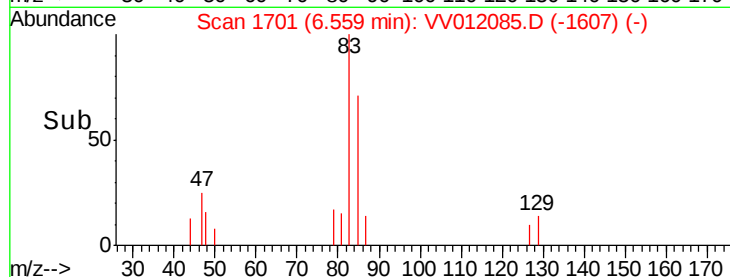
Tgt Ion: 83 Resp: 2849
Ion Ratio Lower Upper
83 100
85 70.9 46.2 85.8
127 10.3 7.2 10.8



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 126.90 (126.60 to 127.60): V

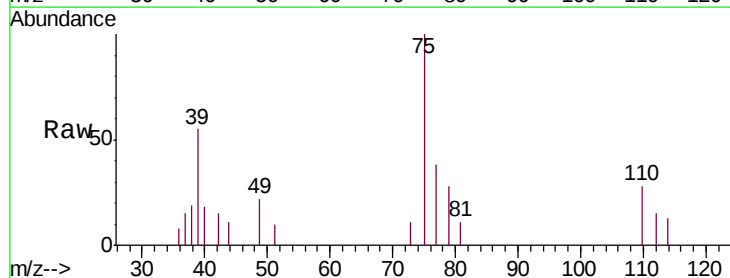


Time-->

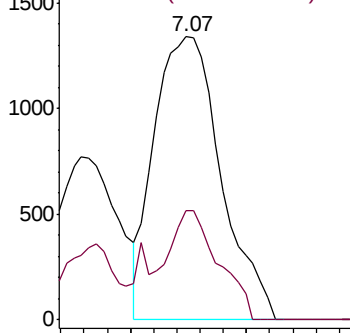


#39
cis-1,3-Dichloropropene
Concen: 0.265 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

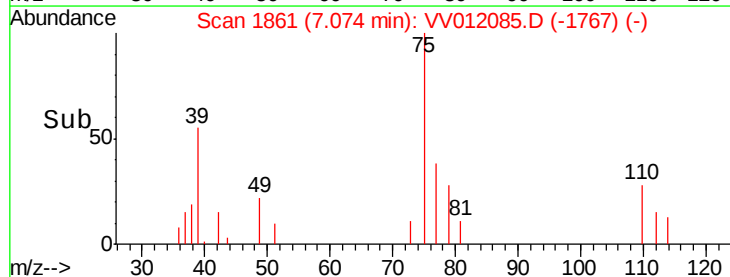
Tgt Ion: 75 Resp: 2691
Ion Ratio Lower Upper
75 100
77 38.4 21.3 39.5

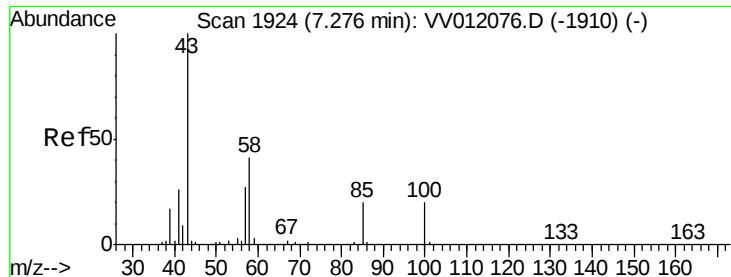


Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



Time-->

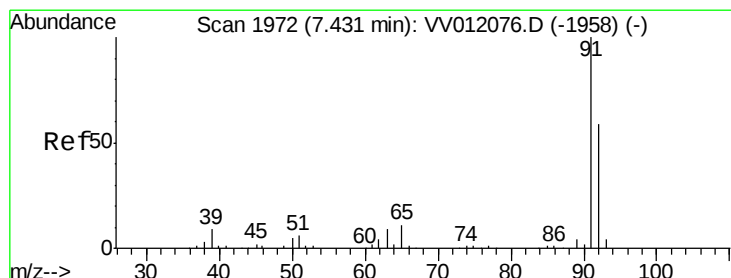
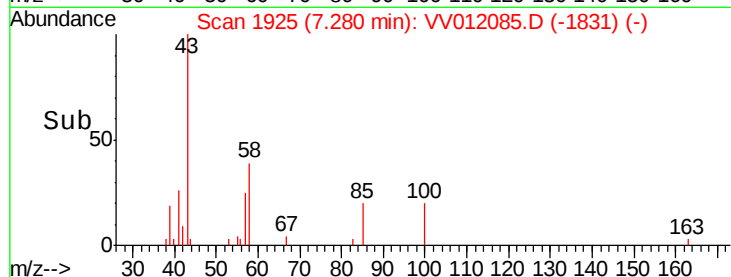
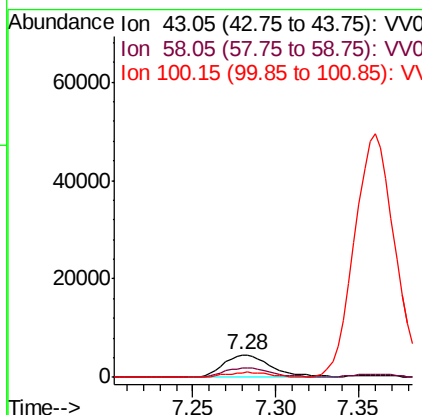
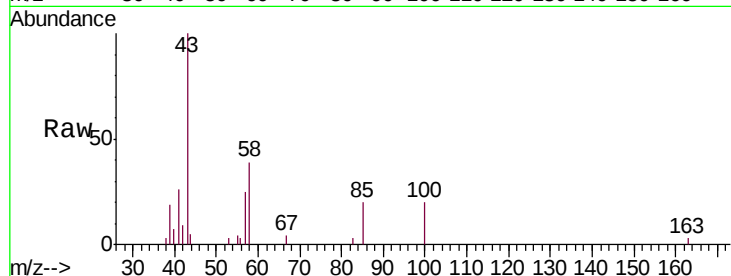




#40
 4-Methyl-2-pentanone
 Concen: 2.581 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012085.D
 Acq: 30 Jul 2019 22:17

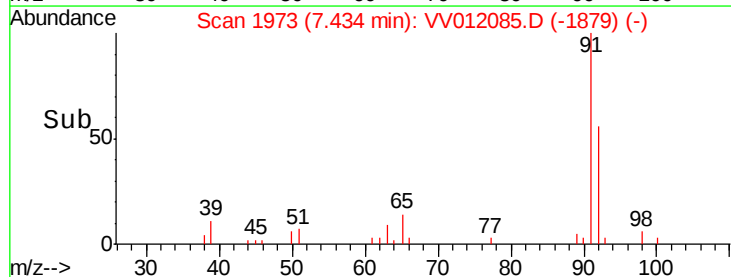
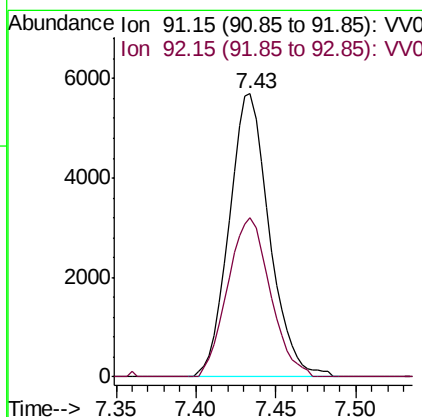
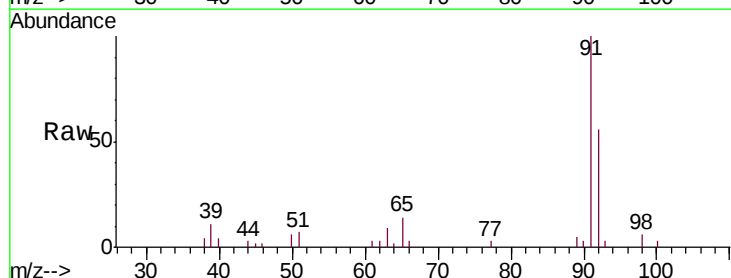
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

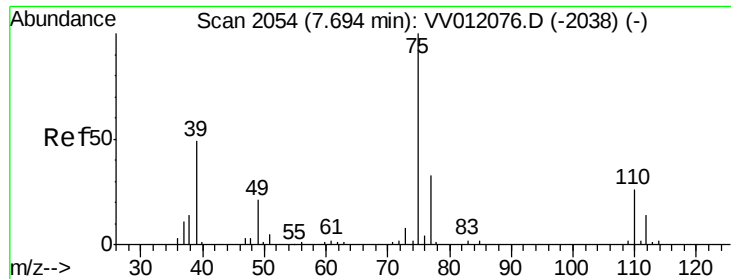
Tgt Ion: 43 Resp: 9180
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.8 47.6
 100 0.0 15.0 22.4#



#42
 Toluene
 Concen: 0.316 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VV012085.D
 Acq: 30 Jul 2019 22:17

Tgt Ion: 91 Resp: 9756
 Ion Ratio Lower Upper
 91 100
 92 56.2 41.6 77.2





#44

trans-1,3-Dichloropropene

Concen: 0.388 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampled :

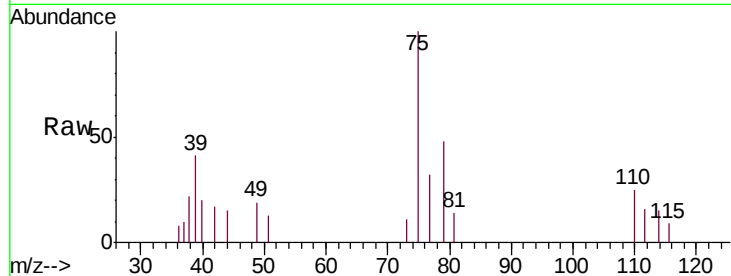
MDL02

Tgt Ion: 75 Resp: 3186

Ion Ratio Lower Upper

75 100

77 32.4 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV012076.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV012076.D (-2038) (-)

7.70

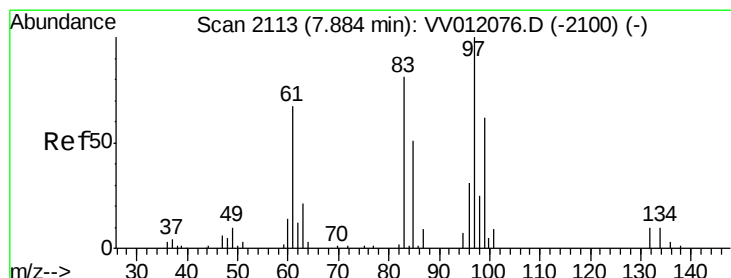
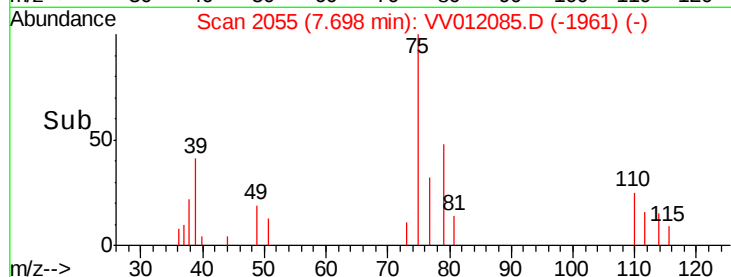
1500

1000

500

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.338 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Tgt Ion: 97 Resp: 1645

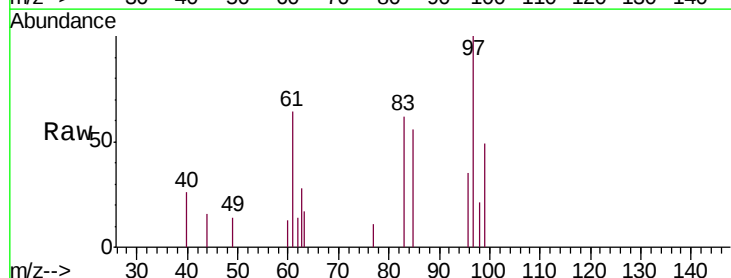
Ion Ratio Lower Upper

97 100

99 48.9 43.3 80.3

83 62.4 56.6 105.0

85 55.8 35.8 66.6



Abundance Ion 96.95 (96.65 to 97.65): VV012076.D (-2100) (-)

Ion 99.05 (98.75 to 99.75): VV012076.D (-2100) (-)

Ion 82.95 (82.65 to 83.65): VV012076.D (-2100) (-)

Ion 85.00 (84.70 to 85.70): VV012076.D (-2100) (-)

7.89

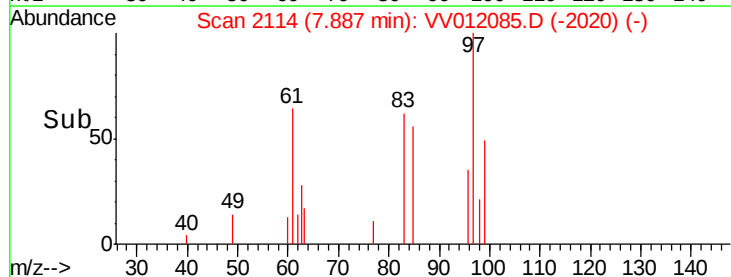
1500

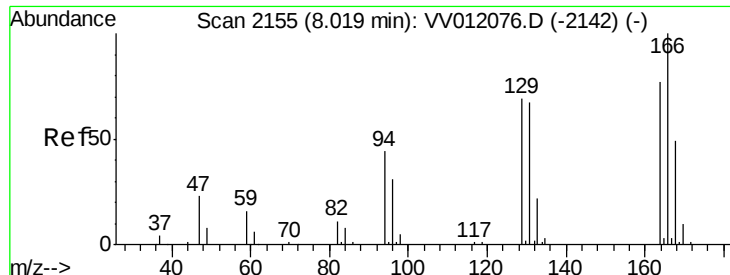
1000

500

0

Time-->

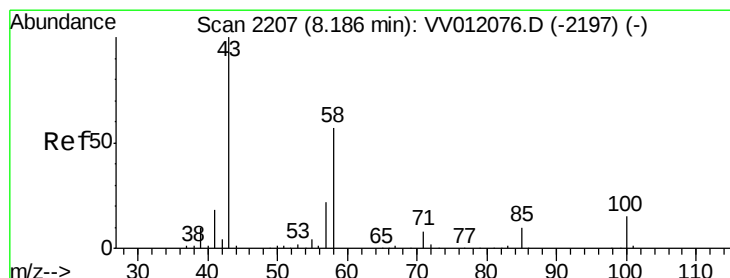
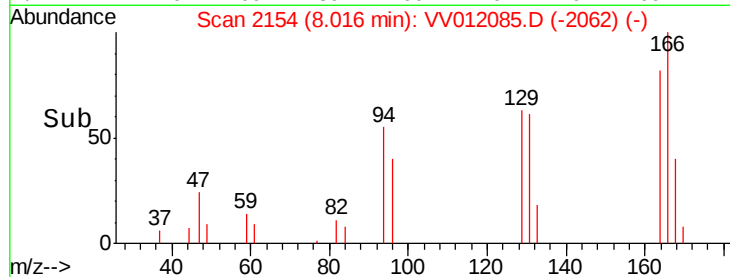
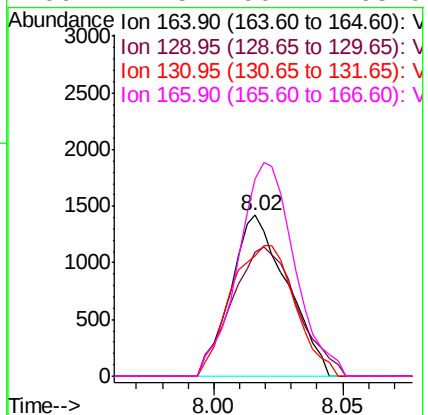
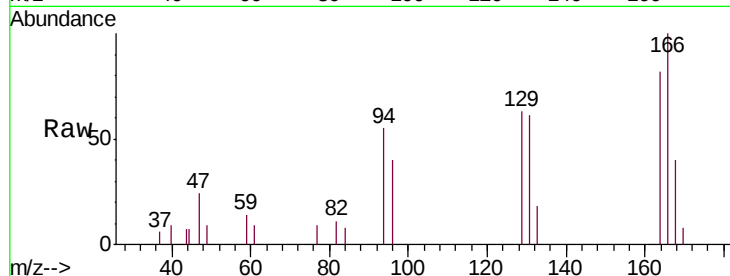




#47
Tetrachloroethene
Concen: 0.293 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

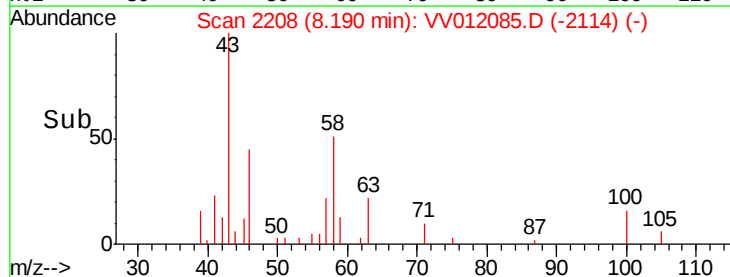
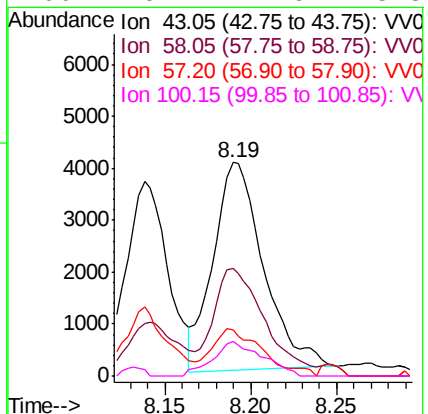
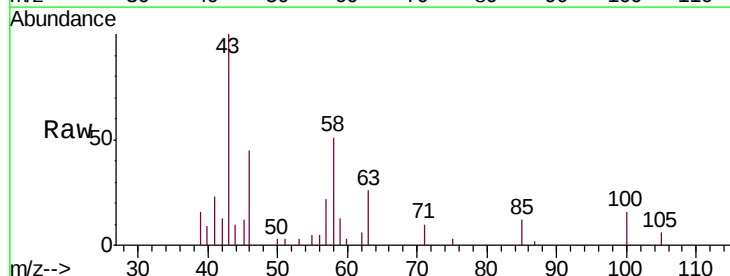
Instrument :
MSVOA_V
ClientSampleId :
MDL02

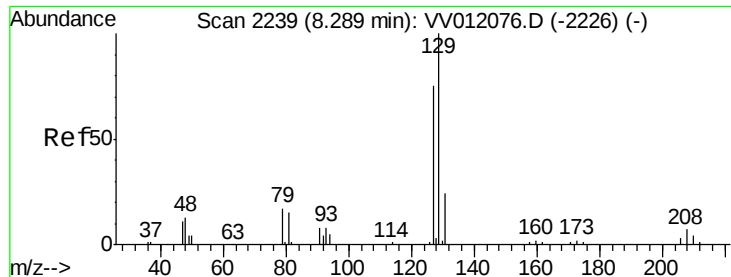
Tgt Ion:164 Resp: 2168
Ion Ratio Lower Upper
164 100
129 77.2 62.5 116.1
131 75.1 60.9 113.1
166 122.5 90.4 168.0



#48
2-Hexanone
Concen: 3.316 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Tgt Ion: 43 Resp: 8202
Ion Ratio Lower Upper
43 100
58 52.6 45.7 68.5
57 23.0 17.0 25.4
100 16.2 12.6 18.8





#49

Dibromochloromethane

Concen: 0.283 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampleId :

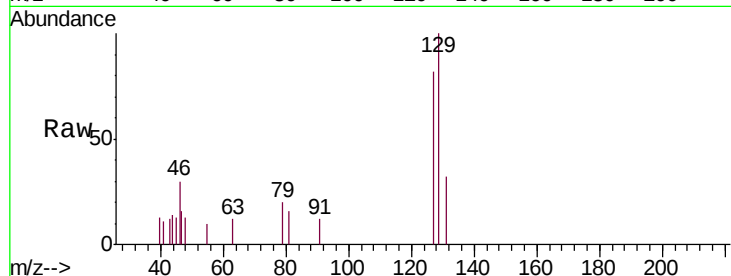
MDL02

Tgt Ion:129 Resp: 1788

Ion Ratio Lower Upper

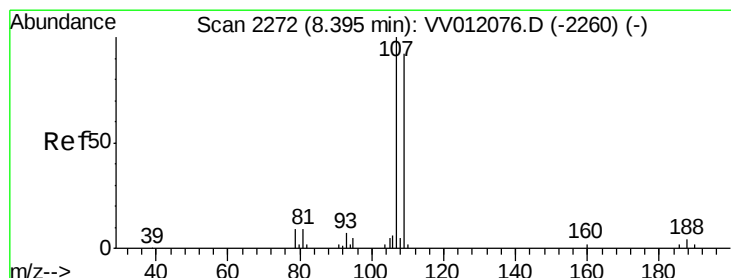
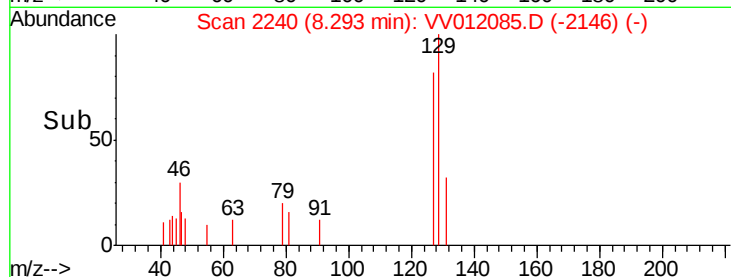
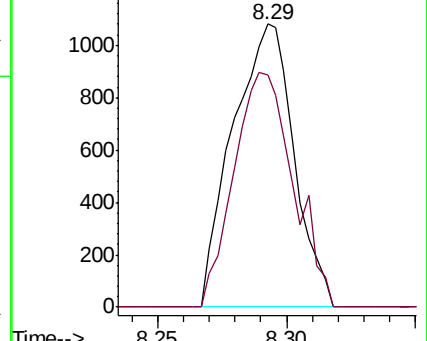
129 100

127 82.2 52.8 98.2



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.332 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

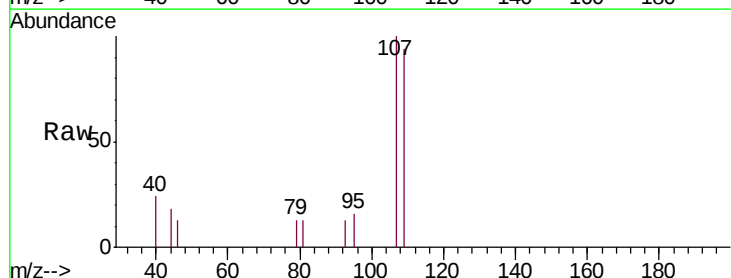
Tgt Ion:107 Resp: 1549

Ion Ratio Lower Upper

107 100

109 94.0 64.7 120.1

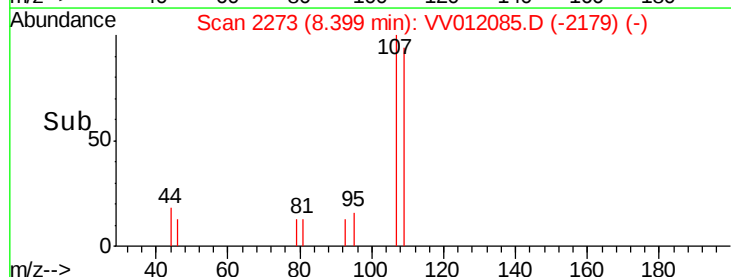
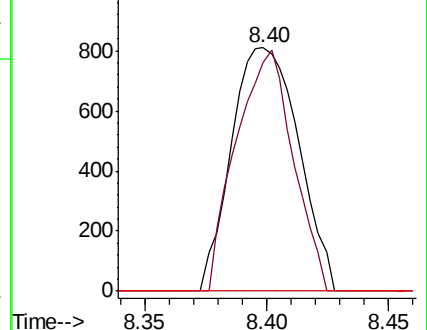
188 0.0 3.4 5.0#

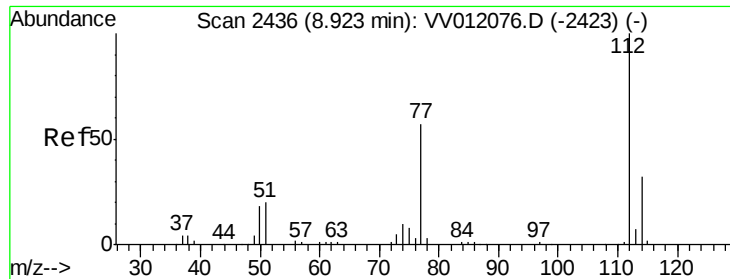


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

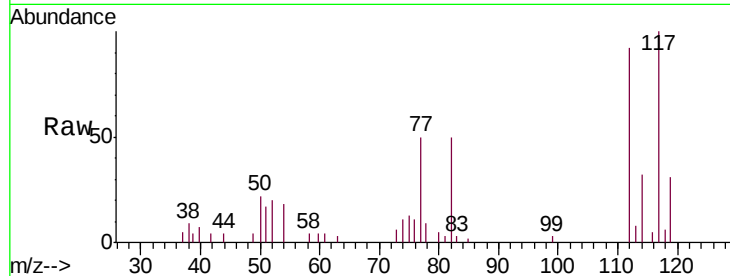




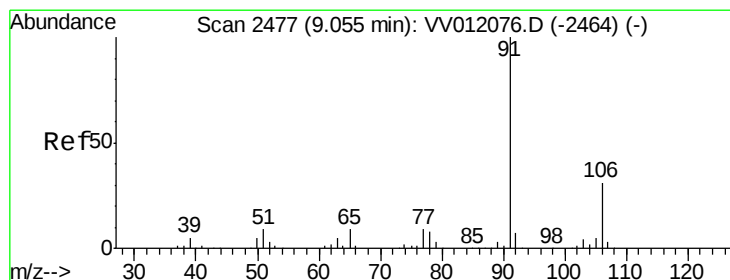
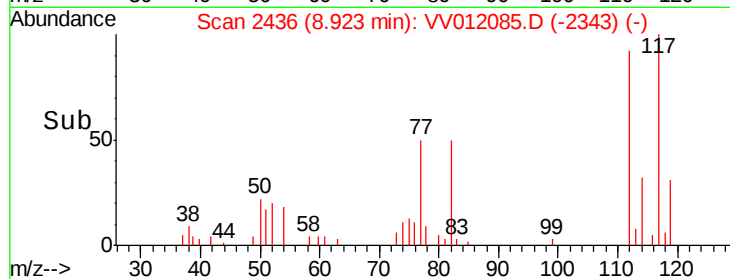
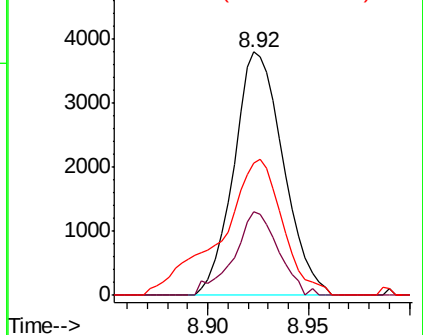
#51
Chlorobenzene
Concen: 0.310 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tgt Ion: 112 Resp: 6494
Ion Ratio Lower Upper
112 100
114 34.5 22.4 41.6
77 54.5 46.1 69.1

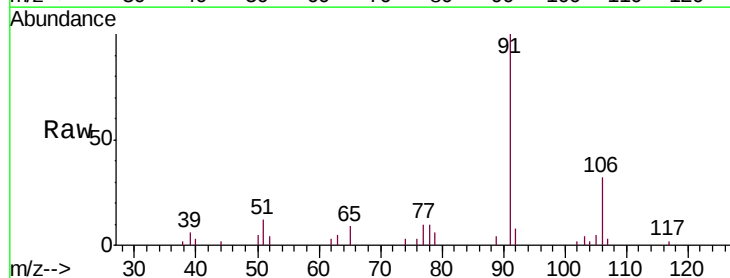


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

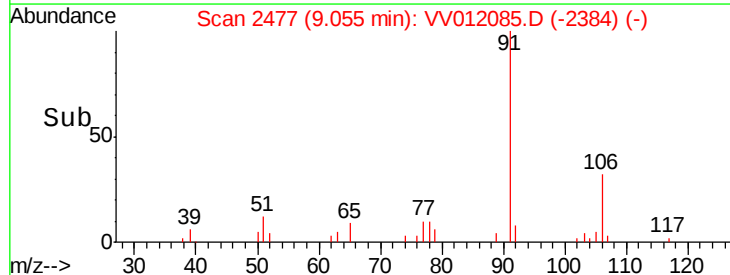
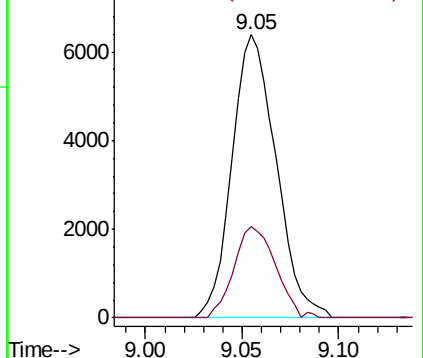


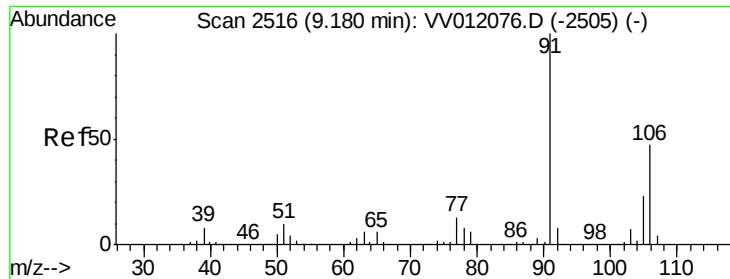
#52
Ethylbenzene
Concen: 0.284 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Tgt Ion: 91 Resp: 10115
Ion Ratio Lower Upper
91 100
106 32.2 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): V
Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.275 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampleId :

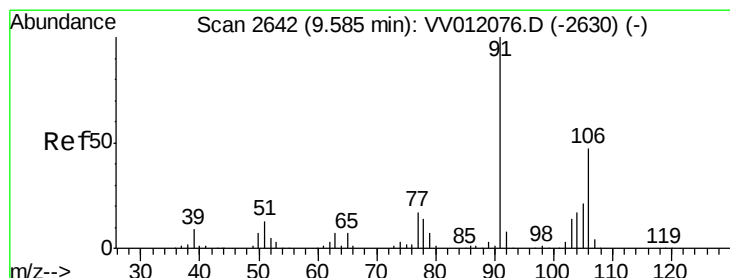
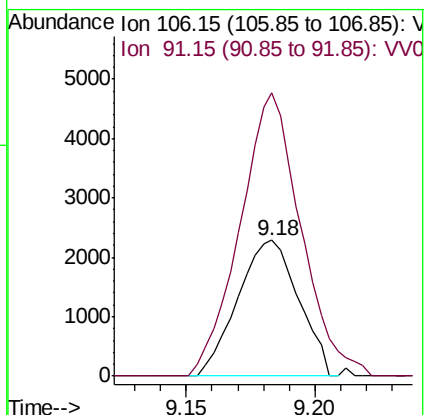
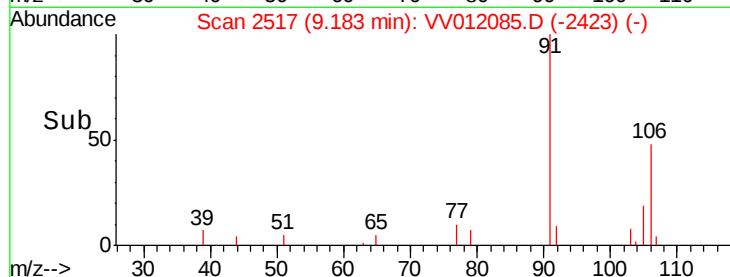
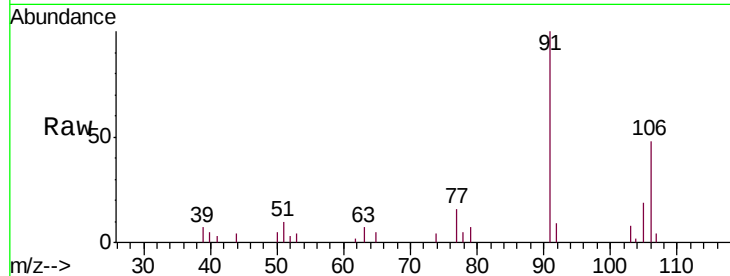
MDL02

Tgt Ion:106 Resp: 3756

Ion Ratio Lower Upper

106 100

91 208.3 148.7 276.3



#54

o-xylene

Concen: 0.282 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012085.D

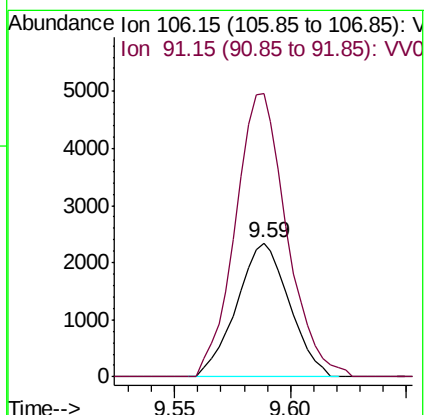
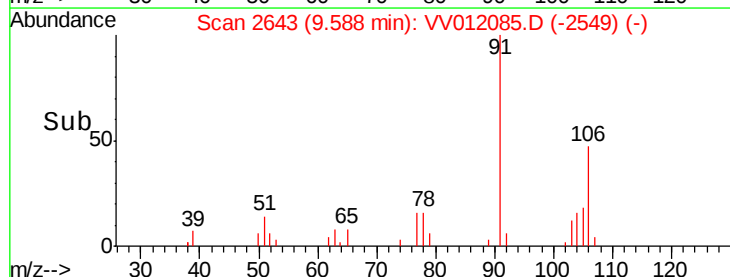
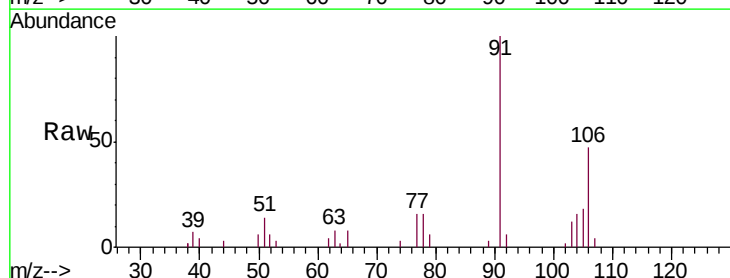
Acq: 30 Jul 2019 22:17

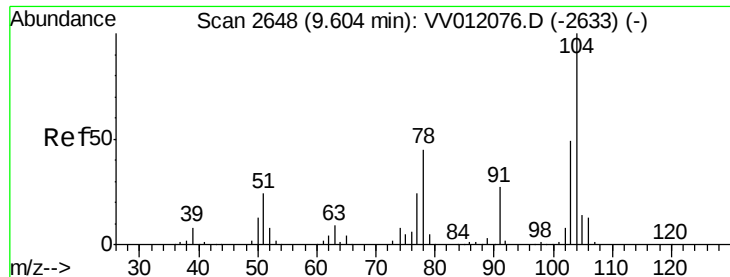
Tgt Ion:106 Resp: 3693

Ion Ratio Lower Upper

106 100

91 211.3 147.7 274.3

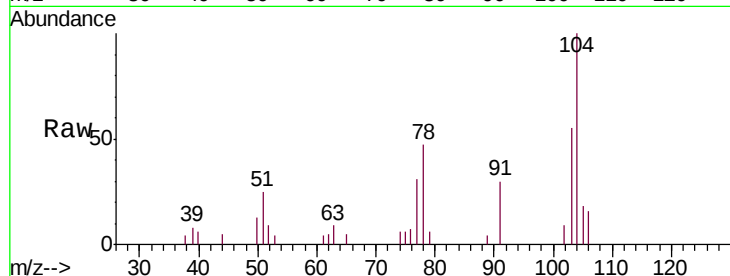




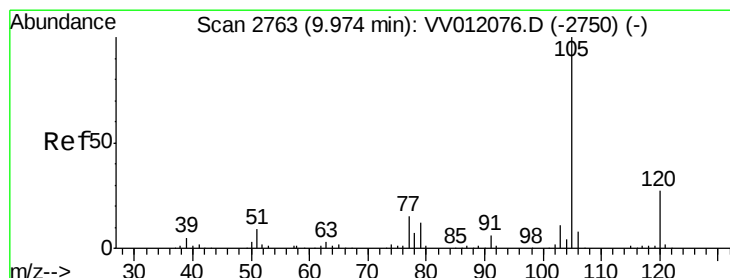
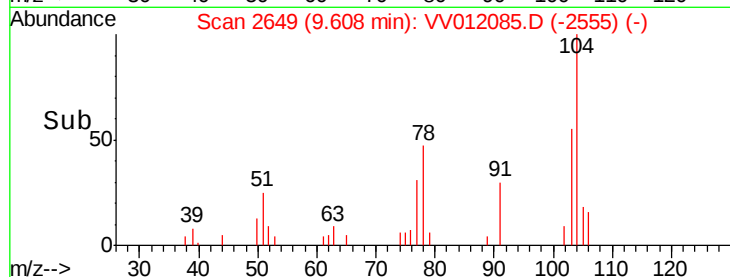
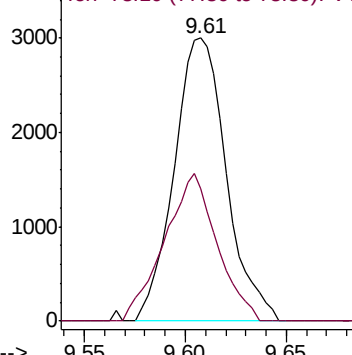
#55
Styrene
Concen: 0.244 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tgt Ion:104 Resp: 5419
Ion Ratio Lower Upper
104 100
78 46.7 31.7 58.9

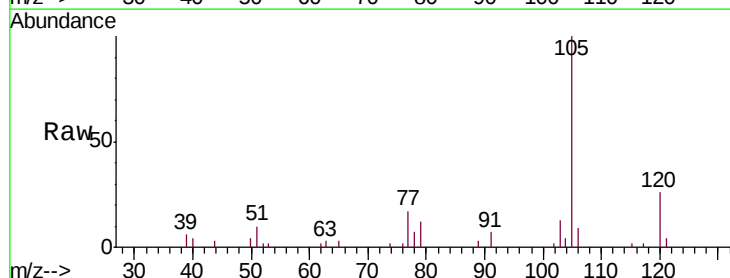


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0

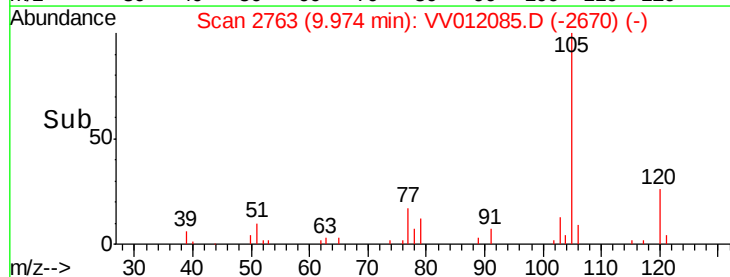
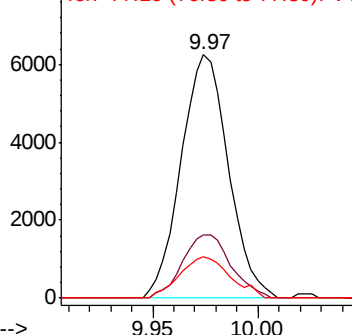


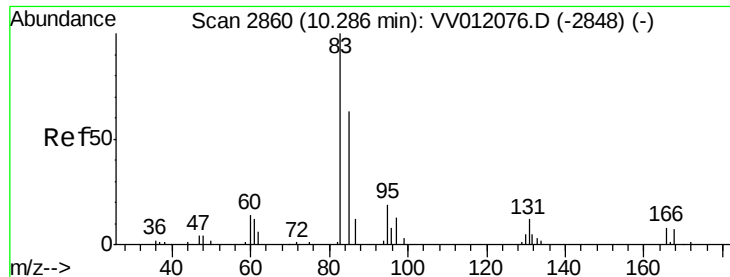
#56
Isopropylbenzene
Concen: 0.269 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Tgt Ion:105 Resp: 9742
Ion Ratio Lower Upper
105 100
120 26.7 21.8 32.8
77 18.0 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.335 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampled :

MDL02

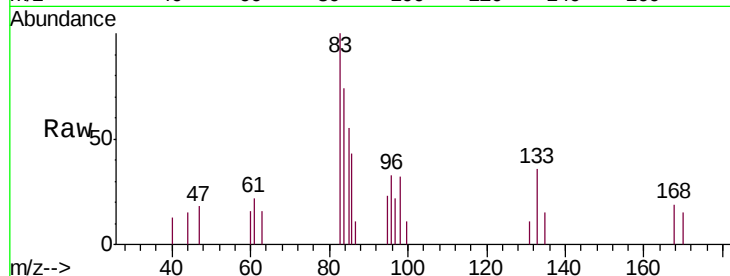
Tgt Ion: 83 Resp: 1804

Ion Ratio Lower Upper

83 100

85 54.6 45.1 83.7

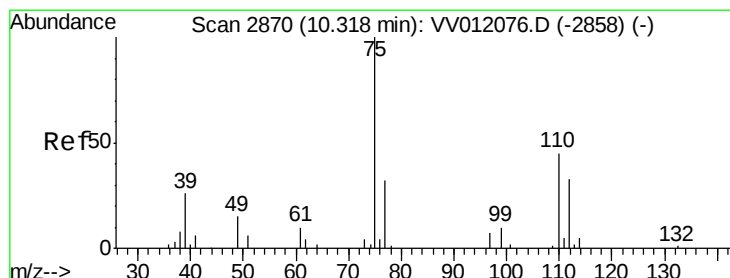
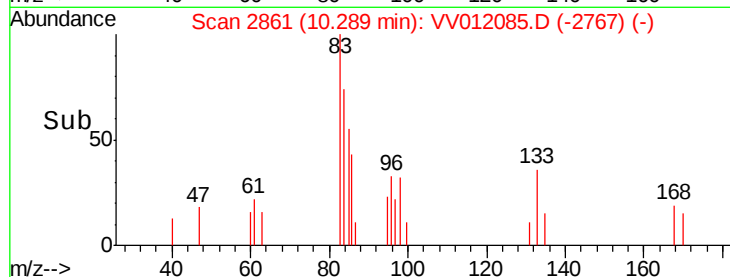
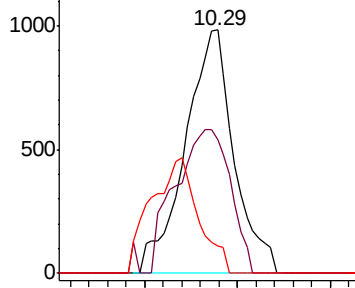
131 11.1 10.3 15.5



Abundance Ion 82.95 (82.65 to 83.65): VV012076.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VV012076.D (-2848) (-)

Ion 130.95 (130.65 to 131.65): VV012076.D (-2848) (-)



#59

1,2,3-Trichloropropane

Concen: 0.296 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012085.D

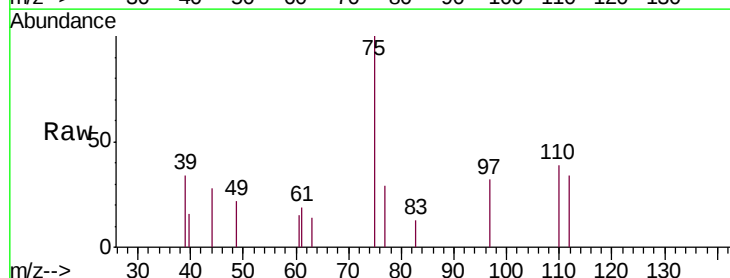
Acq: 30 Jul 2019 22:17

Tgt Ion: 75 Resp: 1203

Ion Ratio Lower Upper

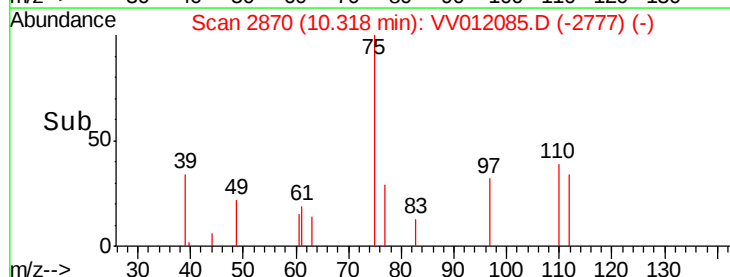
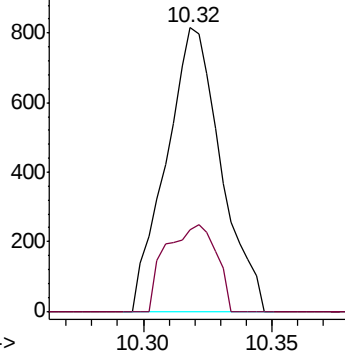
75 100

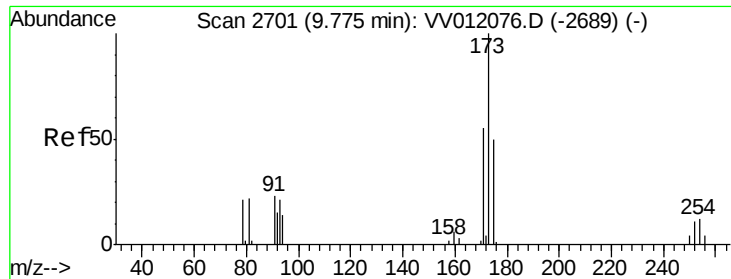
77 27.9 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV012076.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV012076.D (-2858) (-)





#61

Bromoform

Concen: 0.299 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampleId :

MDL02

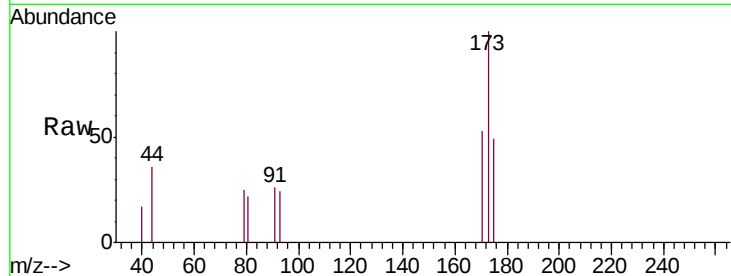
Tgt Ion:173 Resp: 980

Ion Ratio Lower Upper

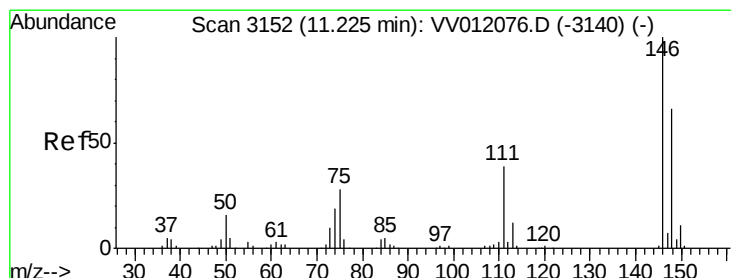
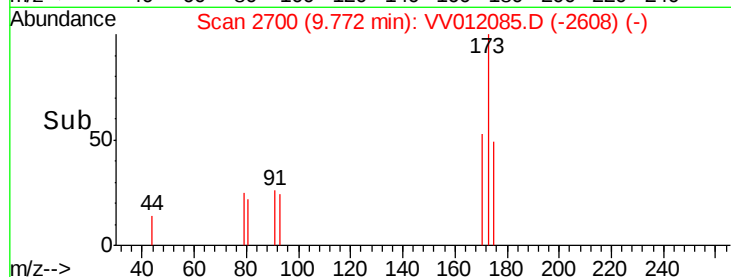
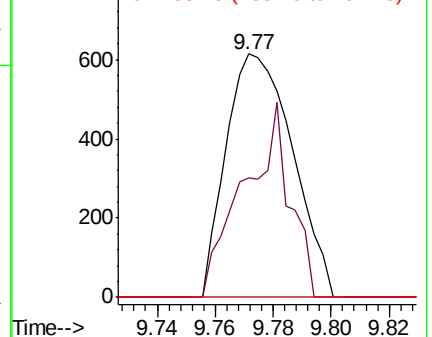
173 100

175 55.3 39.4 59.2

254 0.0 8.7 13.1#



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#62

1,3-Dichlorobenzene

Concen: 0.310 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

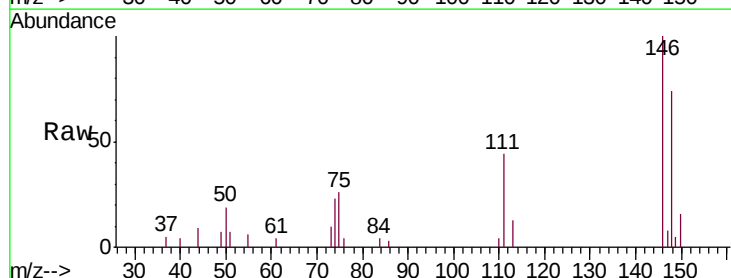
Tgt Ion:146 Resp: 5266

Ion Ratio Lower Upper

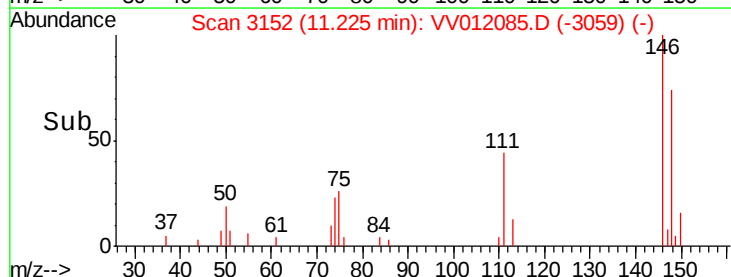
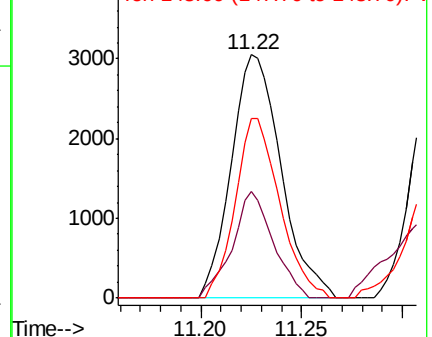
146 100

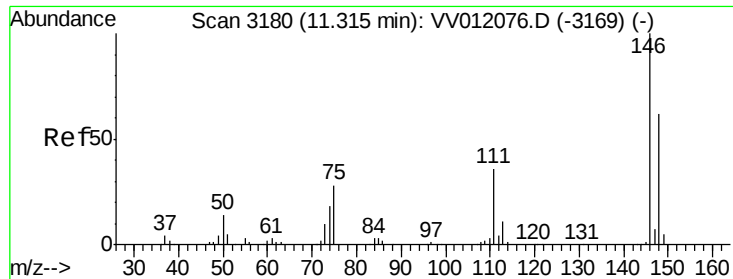
111 43.9 27.2 50.6

148 74.0 45.9 85.3



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

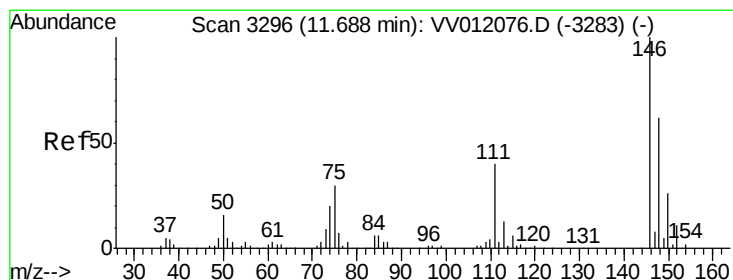
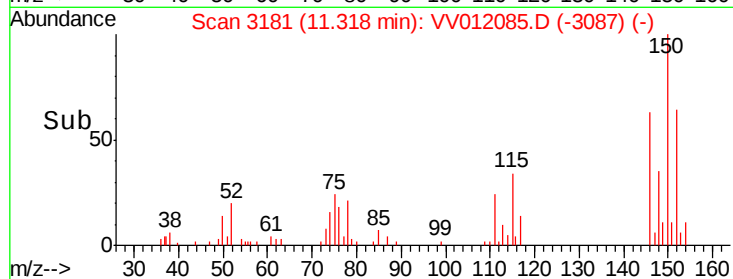
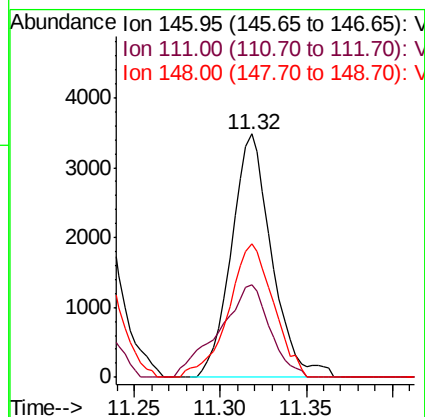
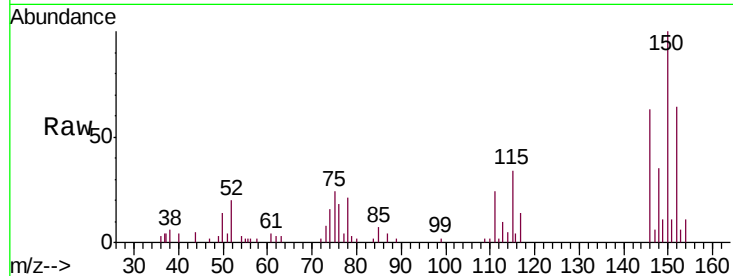




#63
 1,4-Dichlorobenzene
 Concen: 0.328 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012085.D
 Acq: 30 Jul 2019 22:17

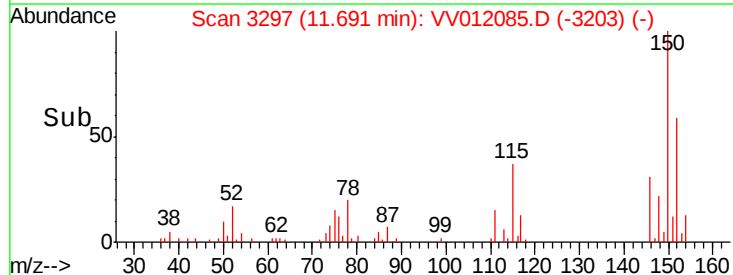
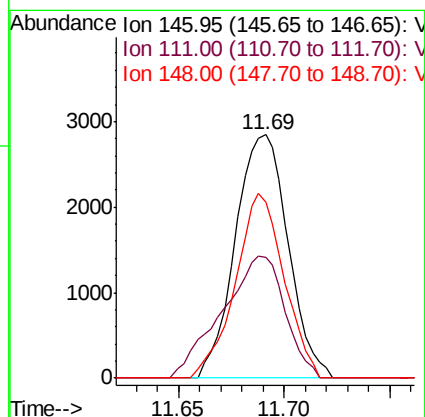
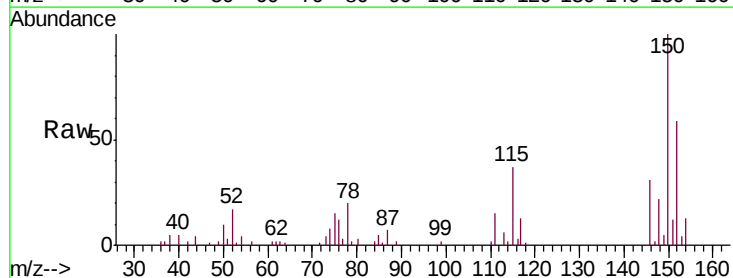
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

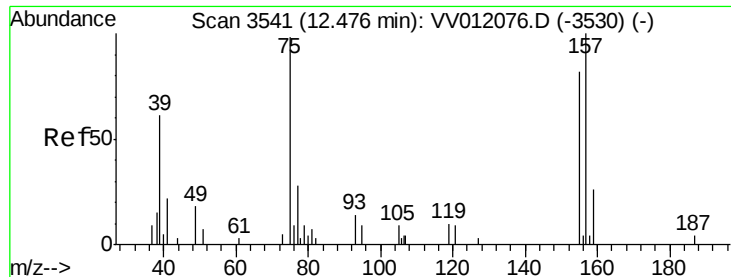
Tgt Ion:146 Resp: 5686
 Ion Ratio Lower Upper
 146 100
 111 37.8 25.4 47.2
 148 54.7 43.5 80.7



#65
 1,2-Dichlorobenzene
 Concen: 0.322 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV012085.D
 Acq: 30 Jul 2019 22:17

Tgt Ion:146 Resp: 4943
 Ion Ratio Lower Upper
 146 100
 111 49.8 32.3 48.5#
 148 72.2 49.9 74.9

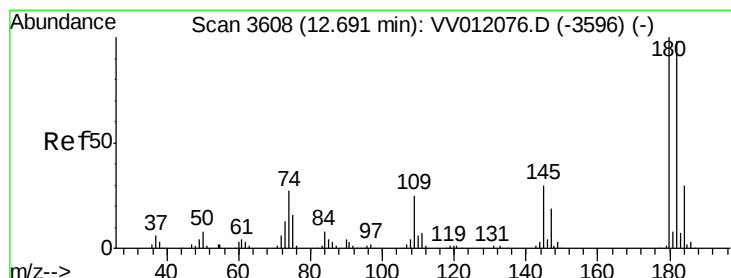
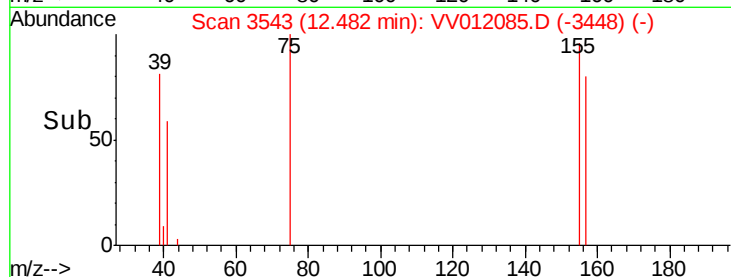
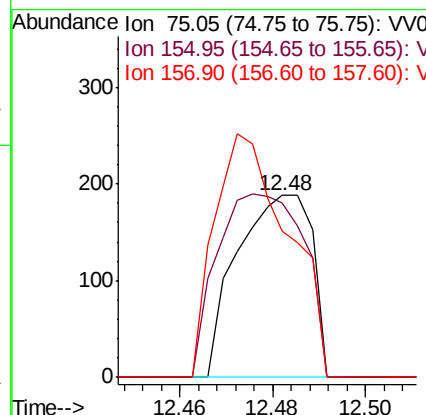
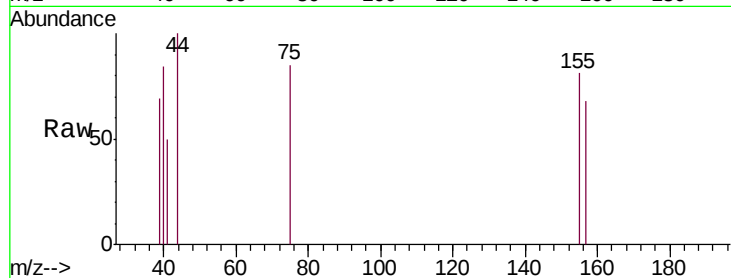




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.254 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.01 min
 Lab File: VV012085.D
 Acq: 30 Jul 2019 22:17

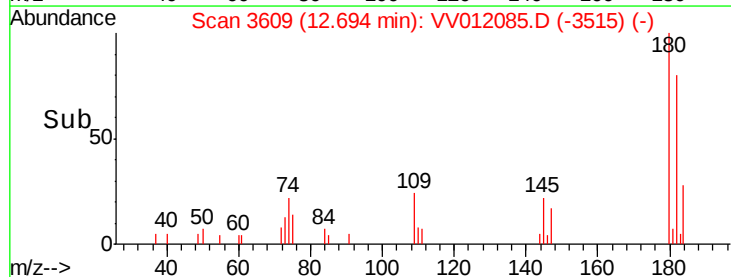
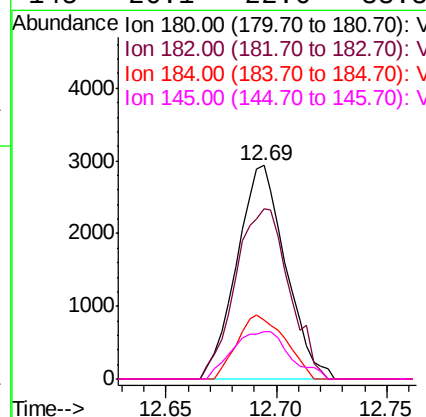
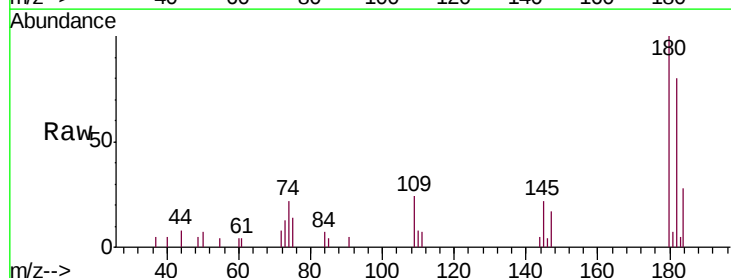
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

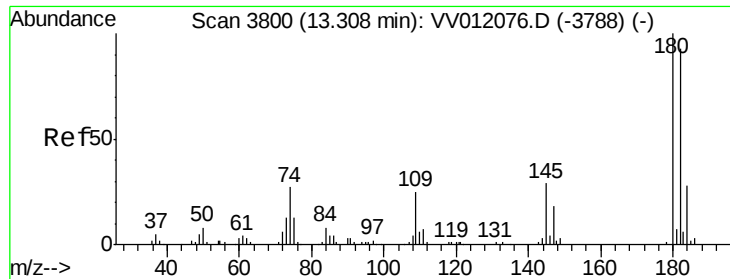
Tgt Ion: 75 Resp: 210
 Ion Ratio Lower Upper
 75 100
 155 95.7 66.9 100.3
 157 80.3 81.8 122.6#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.325 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV012085.D
 Acq: 30 Jul 2019 22:17

Tgt Ion: 180 Resp: 4525
 Ion Ratio Lower Upper
 180 100
 182 87.4 76.6 115.0
 184 29.4 23.8 35.8
 145 26.1 22.6 33.8

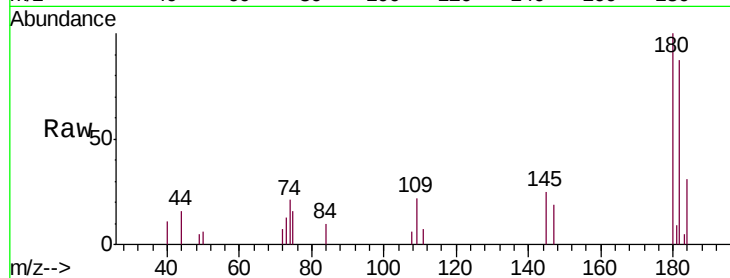




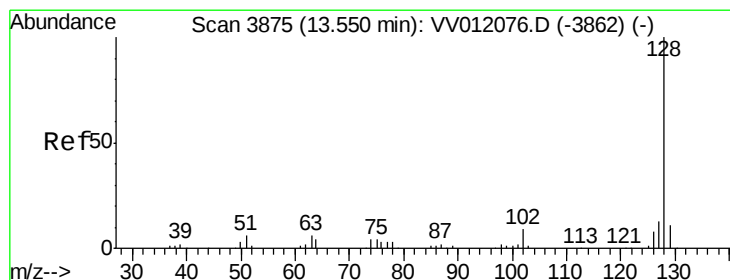
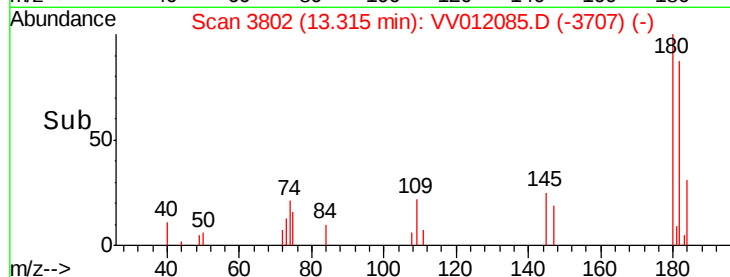
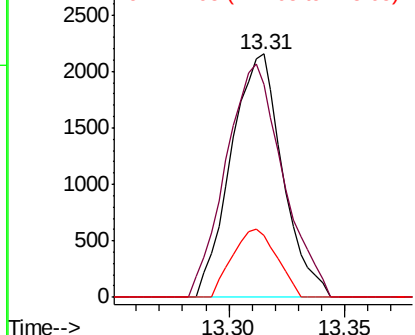
#68
1,2,4-trichlorobenzene
Concen: 0.296 ug/L
RT: 13.31 min Scan# 3802
Delta R.T. 0.01 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion:180 Resp: 3326
Ion Ratio Lower Upper
180 100
182 106.3 75.4 113.0
145 24.2 23.5 35.3

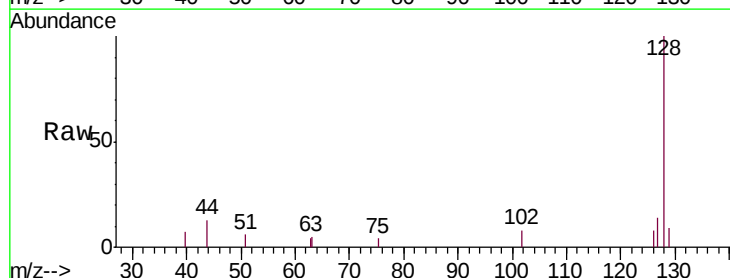


Abundance Ion 179.90 (179.60 to 180.60): V
Ion 182.00 (181.70 to 182.70): V
Ion 144.95 (144.65 to 145.65): V

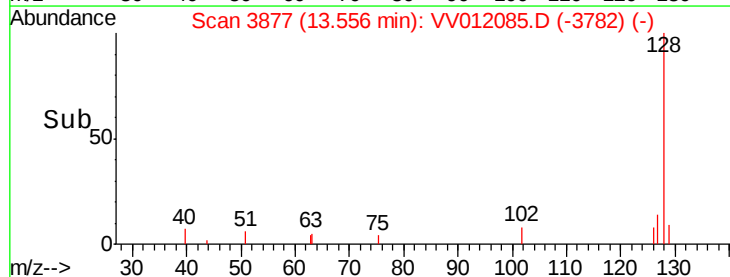
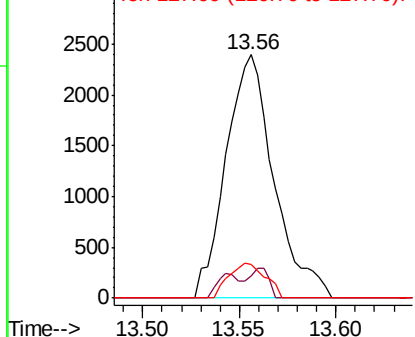


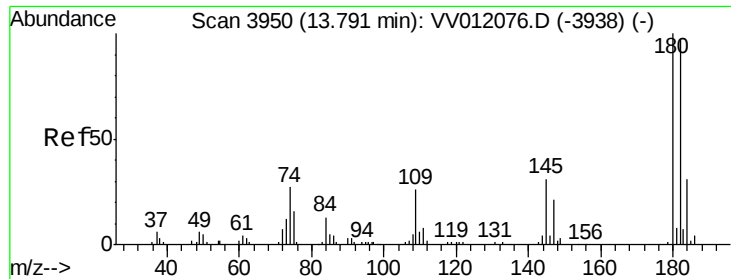
#69
Naphthalene
Concen: 0.273 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.01 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Tgt Ion:128 Resp: 4129
Ion Ratio Lower Upper
128 100
129 5.4 8.4 12.6#
127 10.9 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

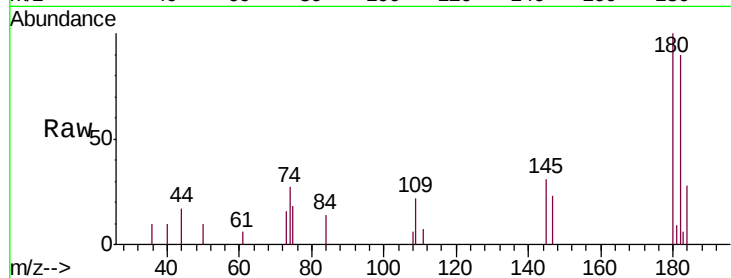




#70
 1,2,3-Trichlorobenzene
 Concen: 0.301 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV012085.D
 Acq: 30 Jul 2019 22:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tgt Ion:180 Resp: 3008
 Ion Ratio Lower Upper
 180 100
 182 98.5 76.5 114.7
 145 27.3 24.4 36.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

