

Data File : VV012088.D
Acq On : 30 Jul 2019 23:33
Operator : SY/MD
Sample : MDL05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Quant Time: Jul 31 05:39:51 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	5.66	114	116213	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	113420	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	59489	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24842	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.58	69	19770	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.13	63	41598	3.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.20%
20) 2-Butanone-d5	3.97	46	80746	53.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.62%
24) Chloroform-d	4.40	84	68619	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.09	65	41306	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.10	84	136166	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.12	67	37577	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.36	98	127084	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.66	79	16140	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.14	63	63375	52.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.80%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	28588	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	52667	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3753	0.291 ug/L	95
3) Chloromethane	1.25	50	1946	0.316 ug/L	99
5) Vinyl chloride	1.32	62	1953	0.290 ug/L #	67
6) Bromomethane	1.54	94	1310	0.314 ug/L	95
8) Chloroethane	1.60	64	1386	0.370 ug/L	90
9) Trichlorofluoromethane	1.77	101	4272	0.327 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2285	0.411 ug/L #	85
12) 1,1-Dichloroethene	2.14	96	1925	0.377 ug/L #	1
13) Acetone	2.24	43	2031	2.635 ug/L	99
14) Carbon disulfide	2.32	76	4294	0.308 ug/L	98
15) Methyl Acetate	2.47	43	377	0.215 ug/L #	56
16) Methylene chloride	2.54	84	2374	0.448 ug/L	92
17) Methyl tert-butyl Ether	2.81	73	5201	0.307 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	2393	0.315 ug/L	98
19) 1,1-Dichloroethane	3.23	63	4121	0.305 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	2431	0.298 ug/L	83
23) Bromochloromethane	4.31	128	1058	0.289 ug/L #	78

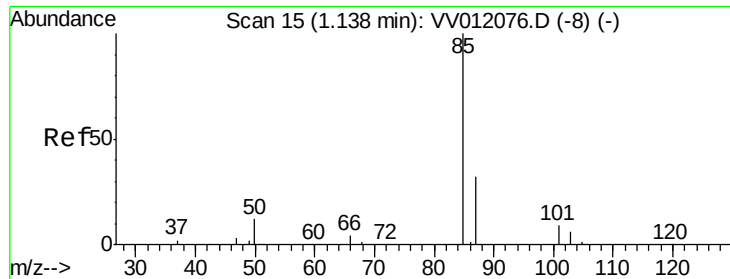
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 05:31:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.43	83	11477	0.654	ug/L	96
27) 1,2-Dichloroethane	5.19	62	3230	0.334	ug/L #	75
29) 1,1,1-Trichloroethane	4.66	97	4442	0.301	ug/L	95
30) Cyclohexane	4.72	56	3158	0.281	ug/L #	89
31) Carbon tetrachloride	4.88	117	3836	0.290	ug/L	97
33) Benzene	5.15	78	10397	0.346	ug/L	100
34) Trichloroethene	5.96	95	2555	0.295	ug/L	84
35) Methylcyclohexane	6.17	83	3784	0.288	ug/L	98
37) 1,2-Dichloropropane	6.22	63	2158	0.310	ug/L #	82
38) Bromodichloromethane	6.56	83	3179	0.311	ug/L #	88
39) cis-1,3-Dichloropropene	7.08	75	3033	0.280	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	11925	3.151	ug/L #	84
42) Toluene	7.43	91	10200	0.310	ug/L	90
44) trans-1,3-Dichloropropene	7.70	75	2437	0.279	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	1574	0.304	ug/L	91
47) Tetrachloroethene	8.02	164	2443	0.310	ug/L	83
48) 2-Hexanone	8.19	43	8653	3.287	ug/L	91
49) Dibromochloromethane	8.29	129	2021	0.300	ug/L	95
50) 1,2-Dibromoethane	8.40	107	1523	0.307	ug/L #	82
51) Chlorobenzene	8.93	112	6938	0.311	ug/L	96
52) Ethylbenzene	9.05	91	10934	0.289	ug/L	99
53) m,p-xylene	9.19	106	3752	0.258	ug/L	92
54) o-xylene	9.59	106	4255	0.306	ug/L	82
55) Styrene	9.60	104	6093	0.258	ug/L	80
56) Isopropylbenzene	9.97	105	10786	0.280	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	2053	0.359	ug/L #	85
59) 1,2,3-Trichloropropane	10.32	75	1459	0.337	ug/L #	85
61) Bromoform	9.77	173	1142	0.323	ug/L #	92
62) 1,3-Dichlorobenzene	11.23	146	5855	0.319	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	6110	0.326	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	5609	0.338	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	370	0.416	ug/L #	68
67) 1,3,5-Trichlorobenzene	12.69	180	4834	0.322	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	3730	0.308	ug/L	97
69) Naphthalene	13.55	128	4532	0.278	ug/L #	96
70) 1,2,3-Trichlorobenzene	13.79	180	3519	0.326	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 0.291 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampleId :

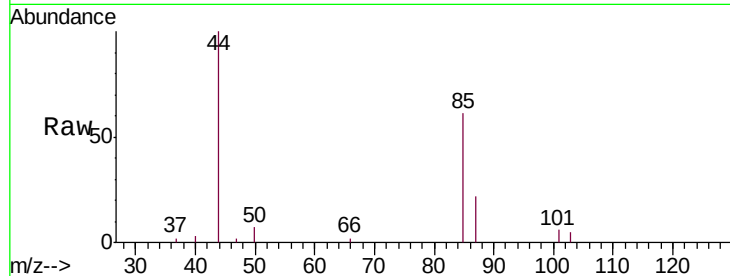
MDL05

Tgt Ion: 85 Resp: 3753

Ion Ratio Lower Upper

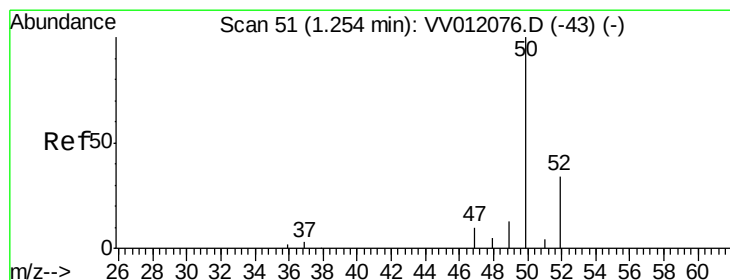
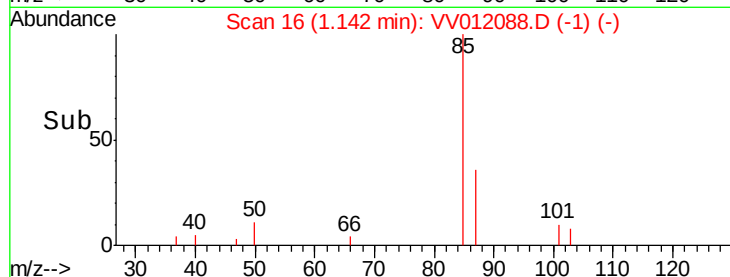
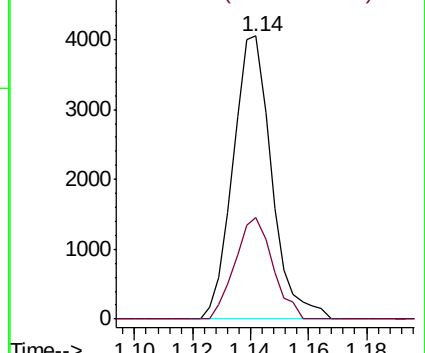
85 100

87 35.0 25.6 38.4



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

Ion 87.00 (86.70 to 87.70): VV012088.D (-1) (-)



#3

Chloromethane

Concen: 0.316 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012088.D

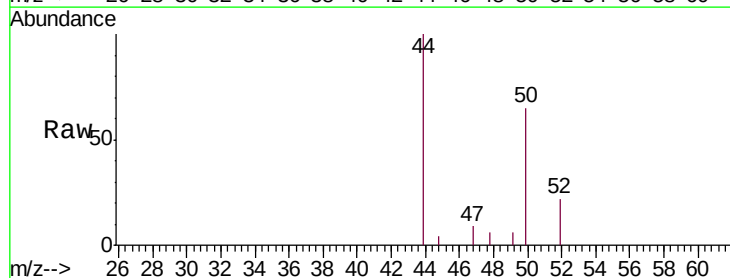
Acq: 30 Jul 2019 23:33

Tgt Ion: 50 Resp: 1946

Ion Ratio Lower Upper

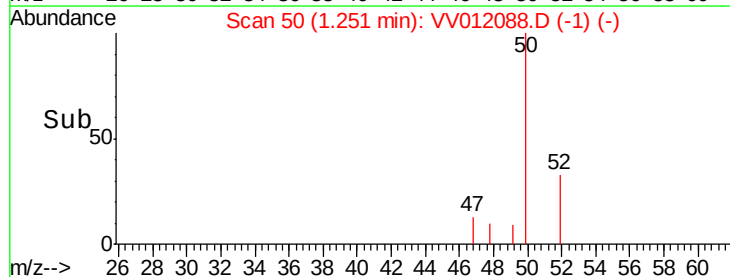
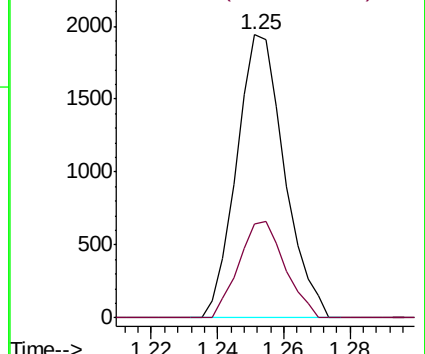
50 100

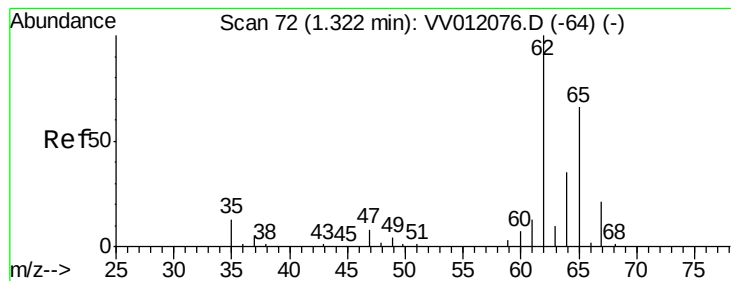
52 33.2 23.7 43.9



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

Ion 52.05 (51.75 to 52.75): VV012088.D (-1) (-)





#5

Vinyl chloride

Concen: 0.290 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampleId :

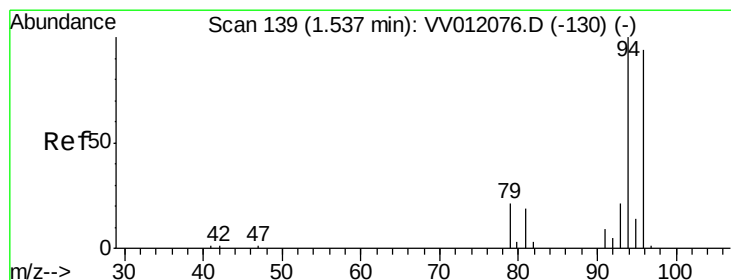
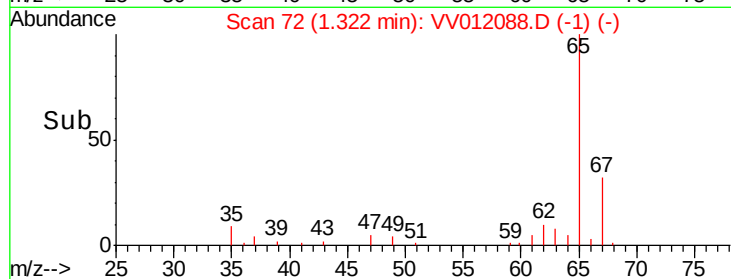
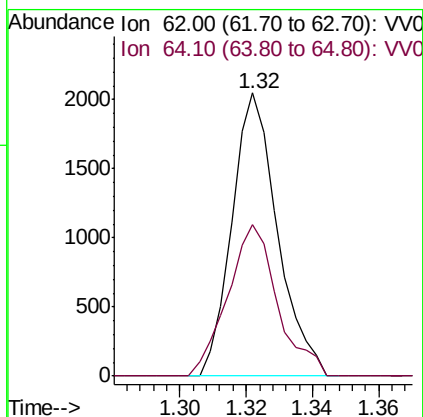
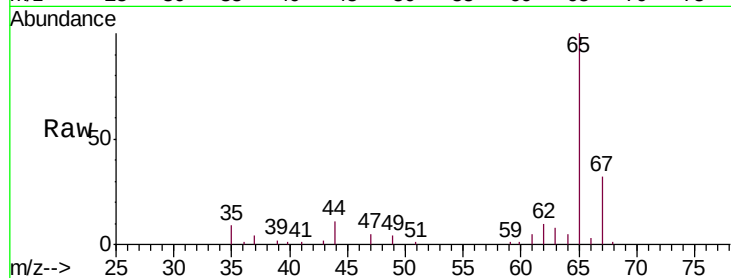
MDL05

Tgt Ion: 62 Resp: 1953

Ion Ratio Lower Upper

62 100

64 53.5 24.3 45.1#



#6

Bromomethane

Concen: 0.314 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012088.D

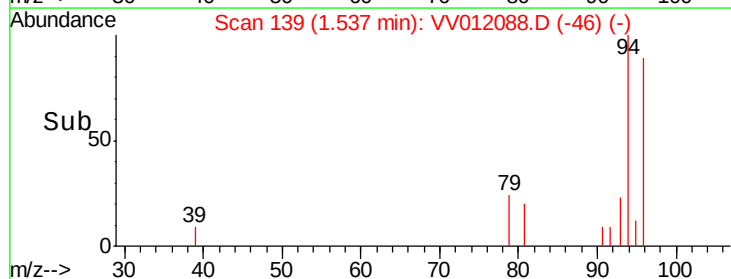
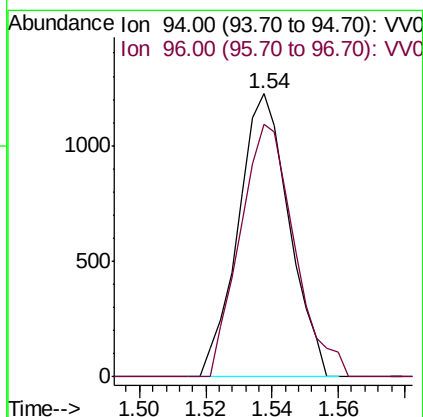
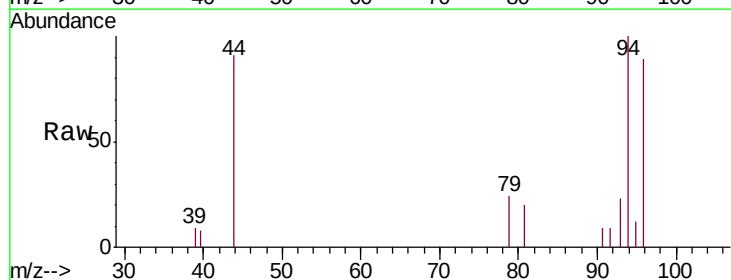
Acq: 30 Jul 2019 23:33

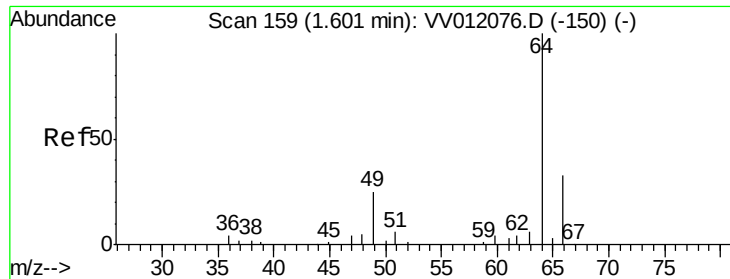
Tgt Ion: 94 Resp: 1310

Ion Ratio Lower Upper

94 100

96 89.1 65.6 121.8





#8

Chloroethane

Concen: 0.370 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampled :

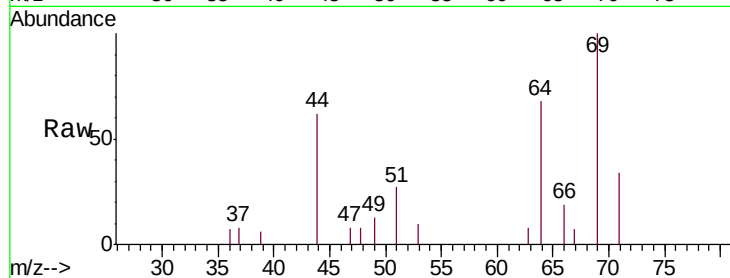
MDL05

Tgt Ion: 64 Resp: 1386

Ion Ratio Lower Upper

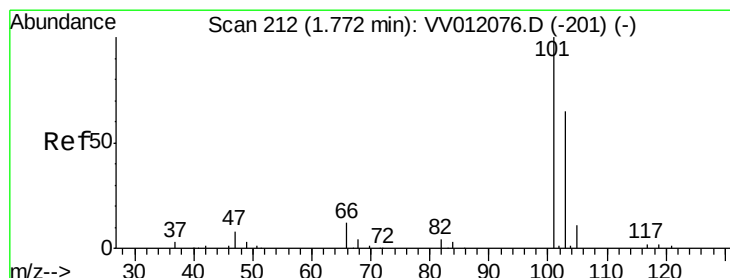
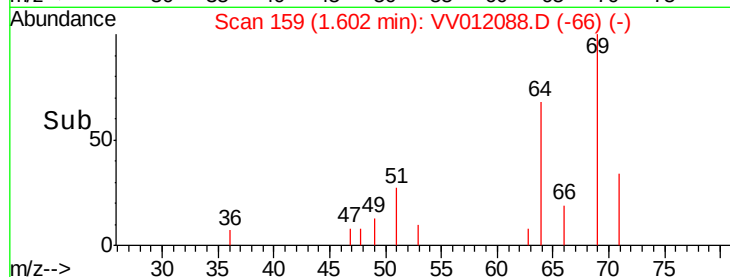
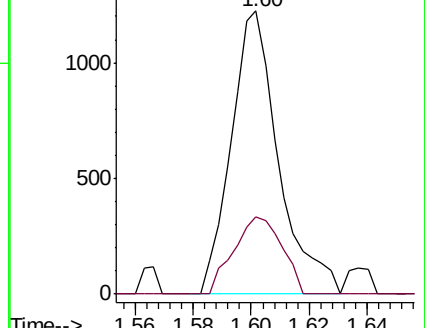
64 100

66 27.4 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VV012076.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV012076.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 0.327 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012088.D

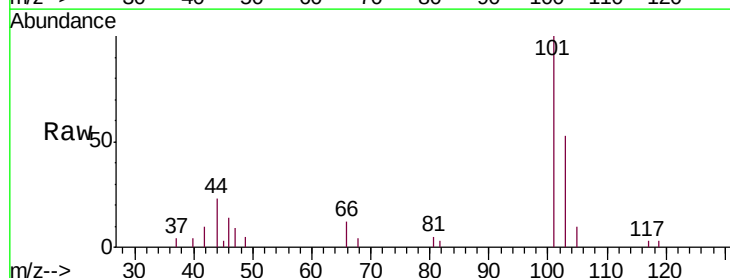
Acq: 30 Jul 2019 23:33

Tgt Ion: 101 Resp: 4272

Ion Ratio Lower Upper

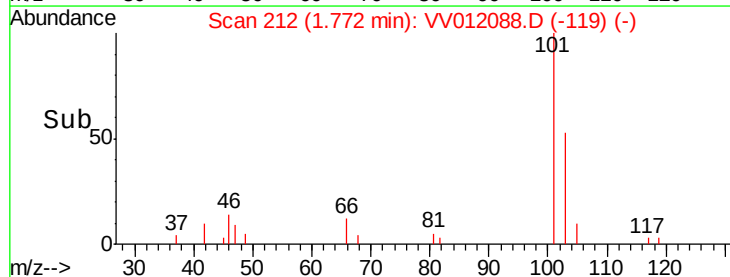
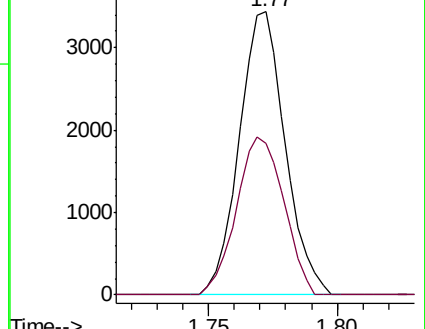
101 100

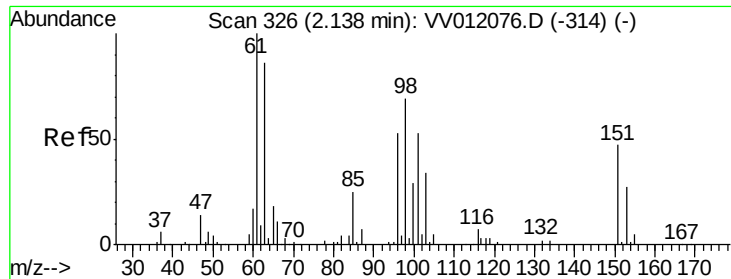
103 57.5 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV012076.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV012076.D (-201) (-)





#10

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

Concen: 0.411 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampleId :

MDL05

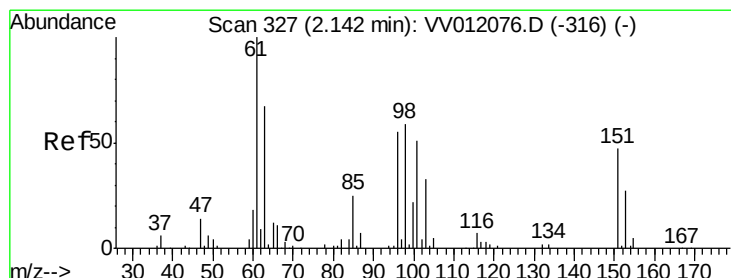
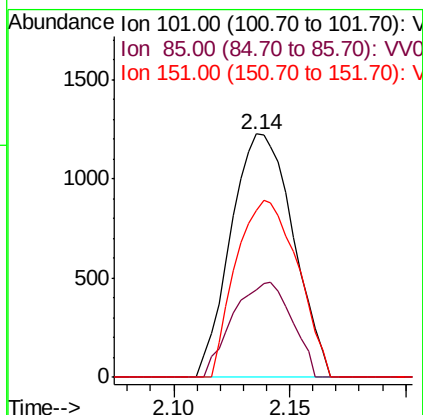
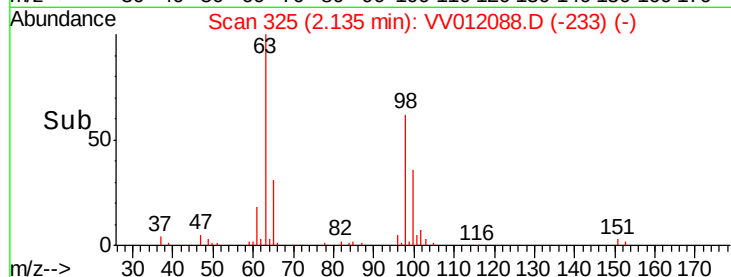
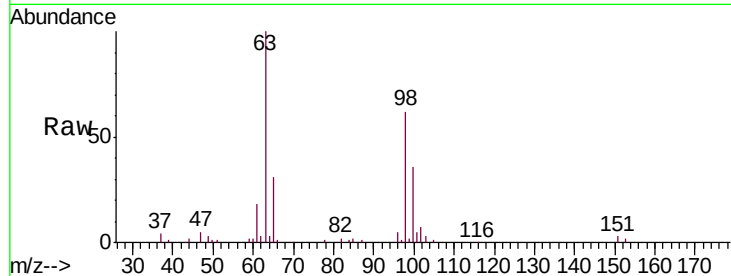
Tgt Ion:101 Resp: 2285

Ion Ratio Lower Upper

101 100

85 37.1 37.4 56.2#

151 72.1 69.1 103.7



#12

1,1-Dichloroethene

Concen: 0.377 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

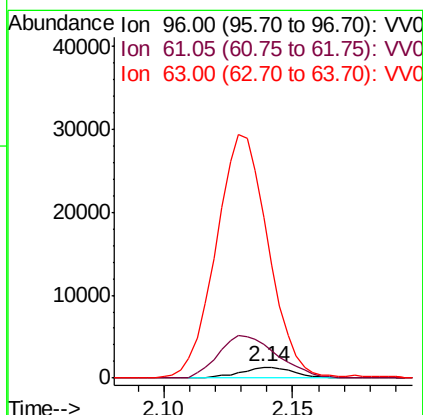
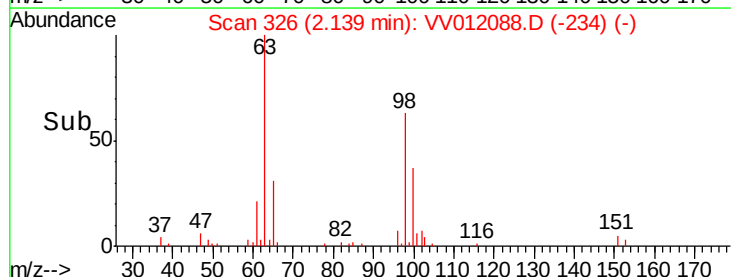
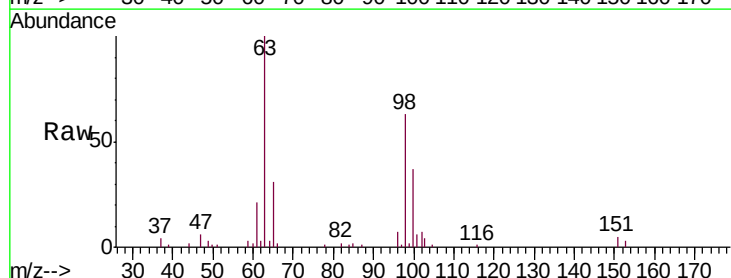
Tgt Ion: 96 Resp: 1925

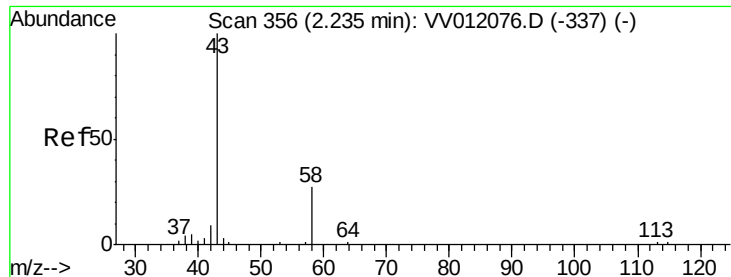
Ion Ratio Lower Upper

96 100

61 303.3 126.9 235.7#

63 1444.8 87.6 162.8#





#13

Acetone

Concen: 2.635 ug/L

RT: 2.24 min Scan# 358

Delta R.T. 0.01 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampled :

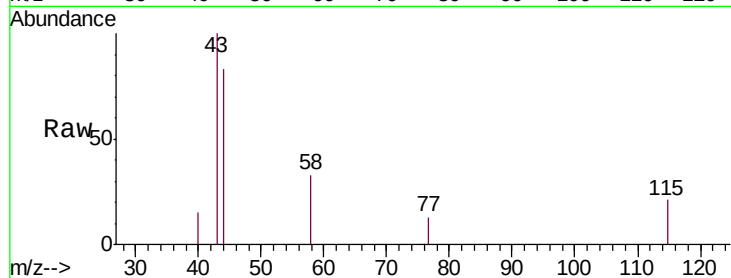
MDL05

Tgt Ion: 43 Resp: 2031

Ion Ratio Lower Upper

43 100

58 25.0 0.0 51.0



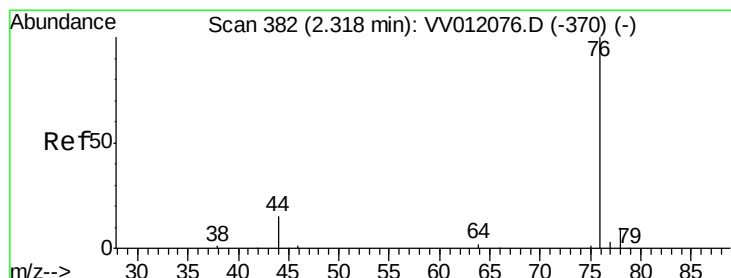
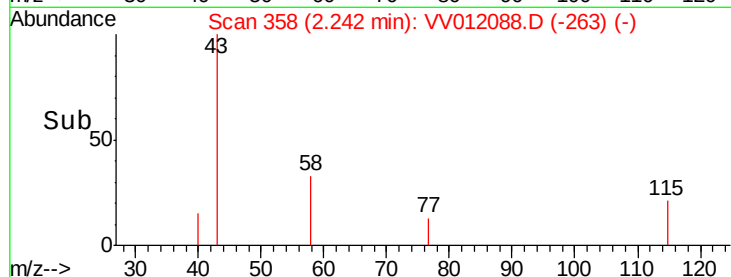
Abundance Ion 43.05 (42.75 to 43.75): VV012076.D (-337) (-)

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

2.24

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 0.308 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012088.D

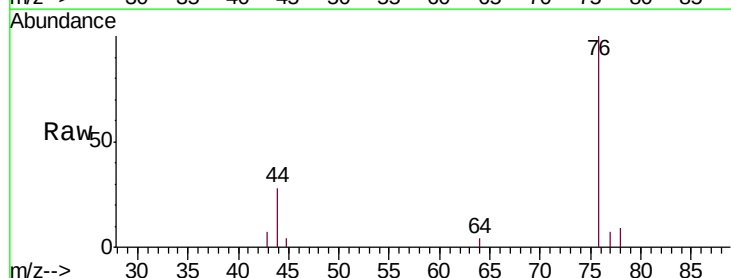
Acq: 30 Jul 2019 23:33

Tgt Ion: 76 Resp: 4294

Ion Ratio Lower Upper

76 100

78 9.1 7.9 11.9



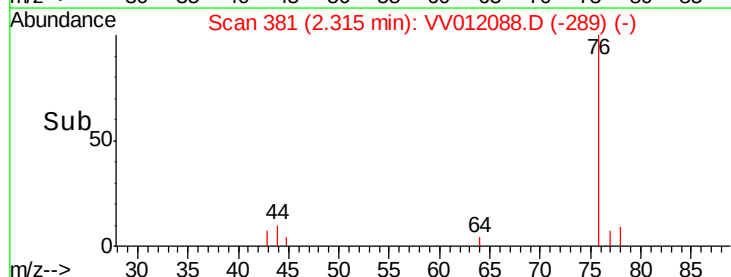
Abundance Ion 76.05 (75.75 to 76.75): VV012076.D (-370) (-)

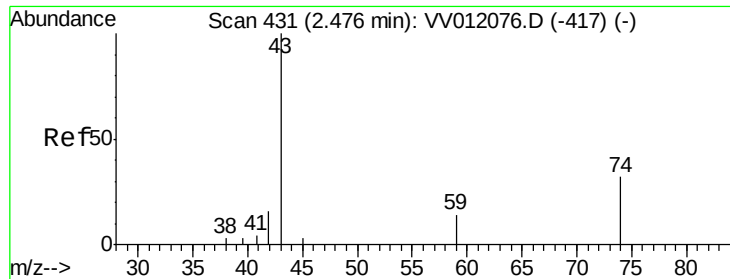
Ion 78.00 (77.70 to 78.70): VV012076.D (-370) (-)

2.32

Time-->

2.30 2.35

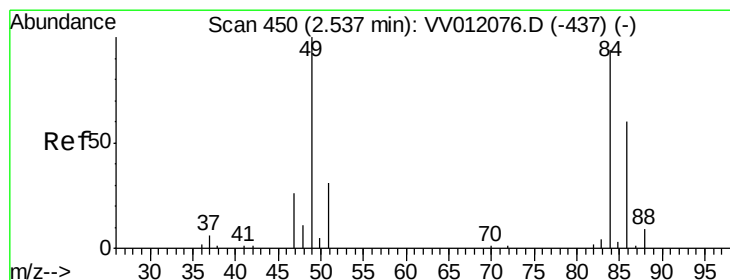
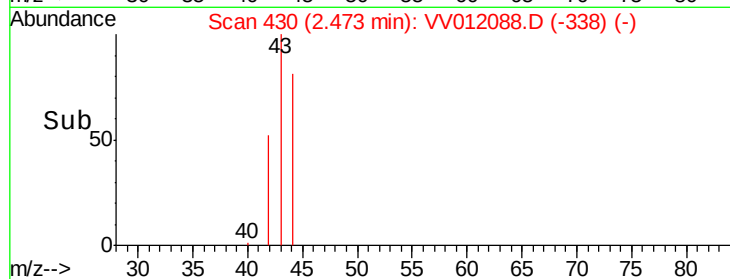
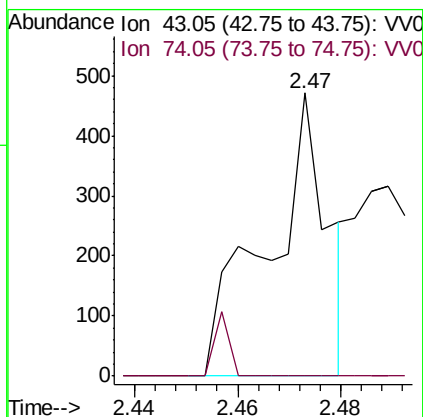
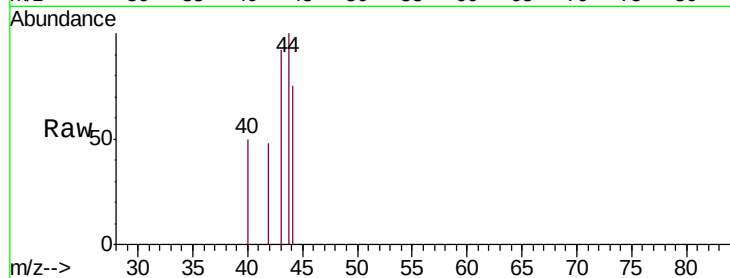




#15
Methyl Acetate
Concen: 0.215 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

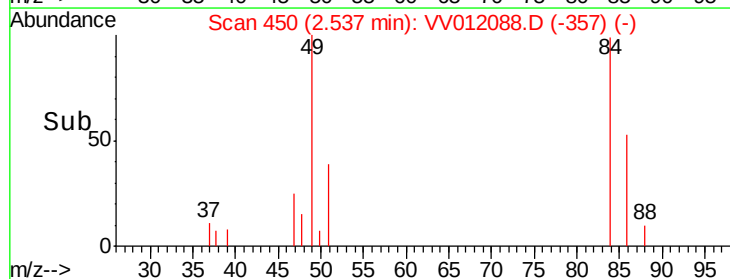
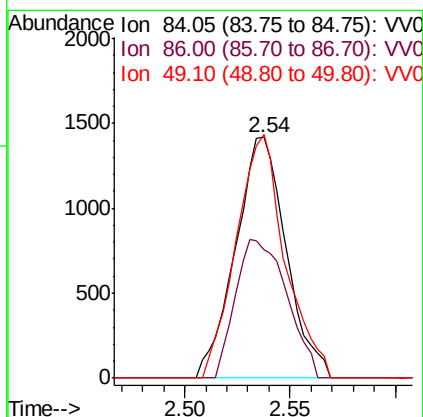
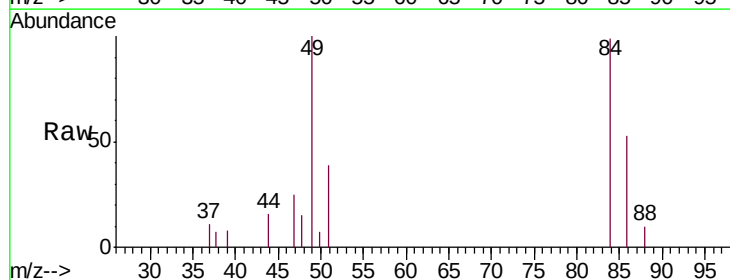
Instrument :
MSVOA_V
ClientSampled :
MDL05

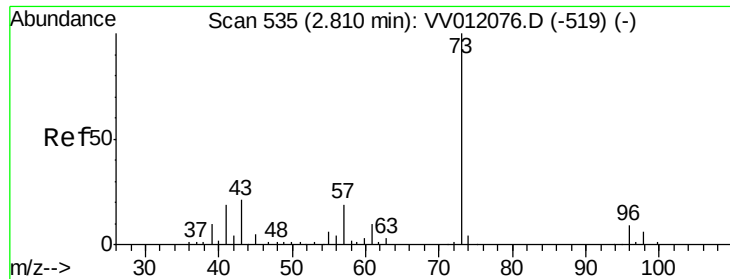
Tgt Ion: 43 Resp: 377
Ion Ratio Lower Upper
43 100
74 5.6 23.4 35.0#



#16
Methylene chloride
Concen: 0.448 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tgt Ion: 84 Resp: 2374
Ion Ratio Lower Upper
84 100
86 53.2 45.0 83.6
49 101.1 74.4 138.2

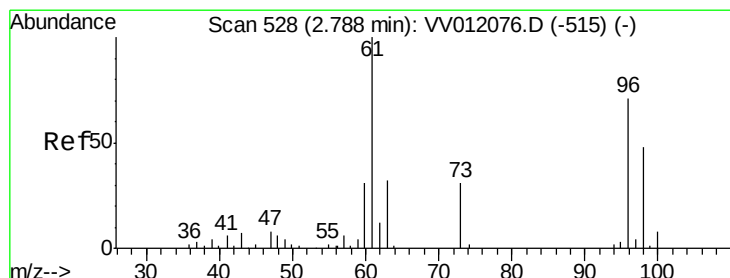
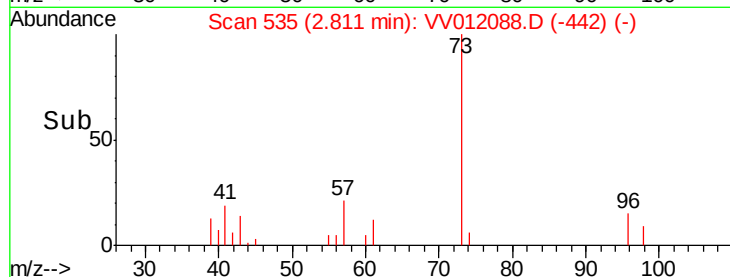
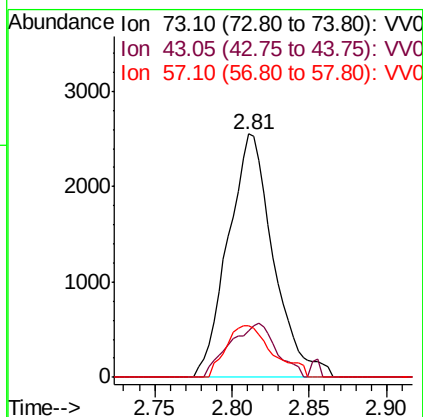
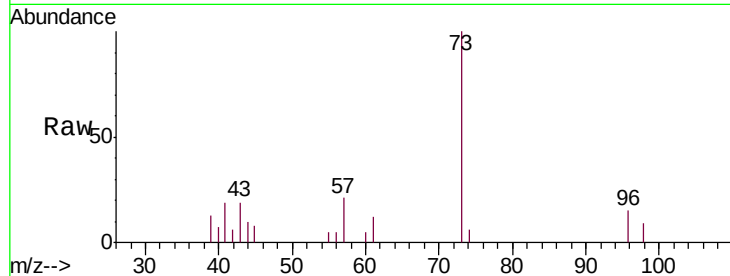




#17
Methyl tert-butyl Ether
Concen: 0.307 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

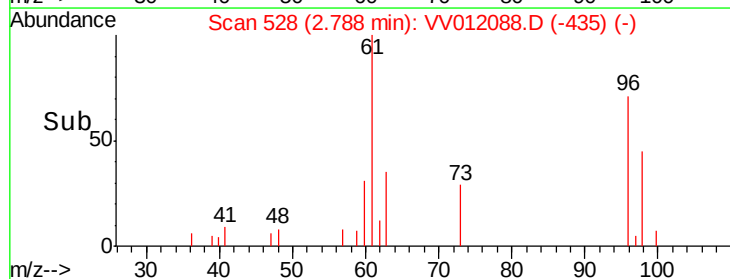
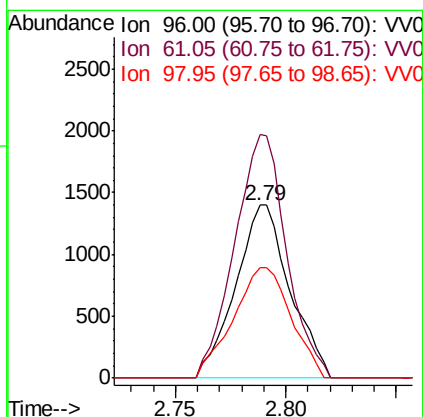
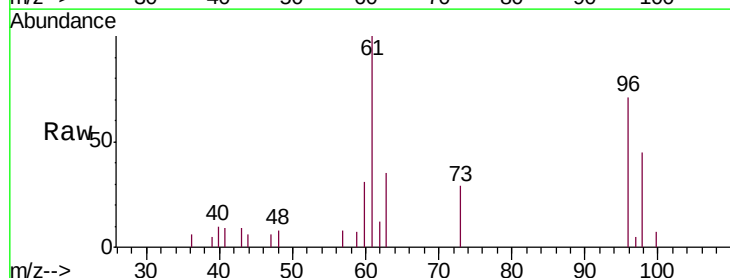
Instrument :
MSVOA_V
ClientSampleId :
MDL05

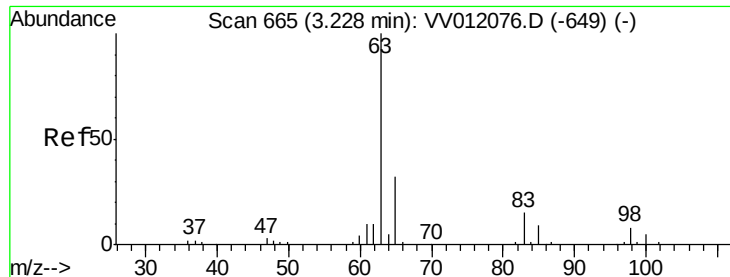
Tgt Ion:	73	Resp:	5201
Ion	Ratio	Lower	Upper
73	100		
43	23.0	17.2	25.8
57	21.6	15.1	22.7



#18
trans-1,2-Dichloroethene
Concen: 0.315 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tgt Ion:	96	Resp:	2393
Ion	Ratio	Lower	Upper
96	100		
61	140.6	99.0	184.0
98	63.6	47.9	88.9

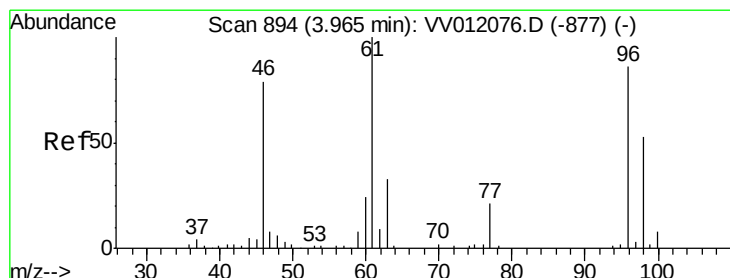
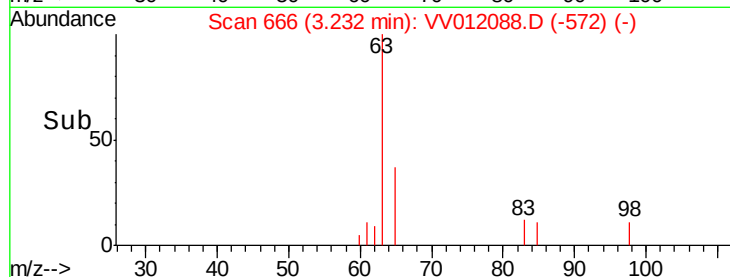
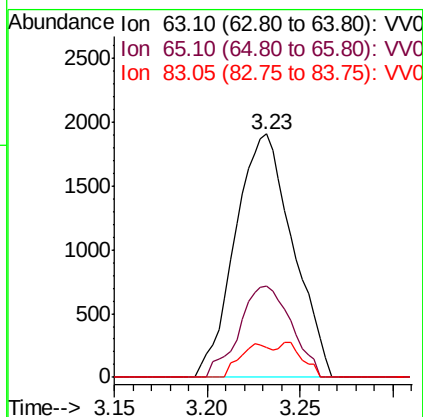
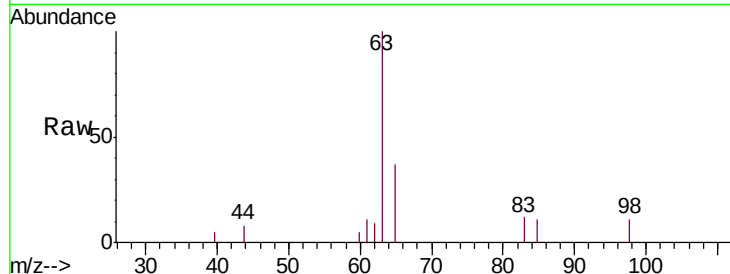




#19
 1,1-Dichloroethane
 Concen: 0.305 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

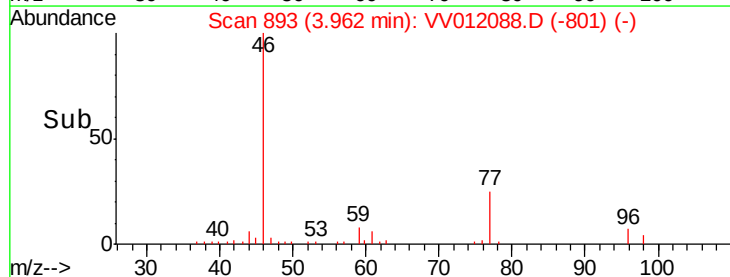
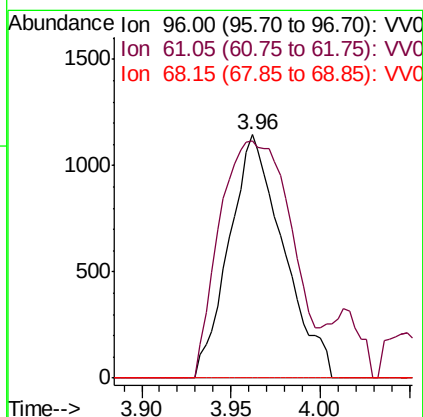
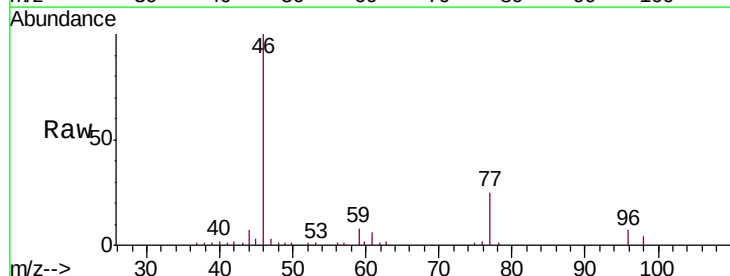
Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

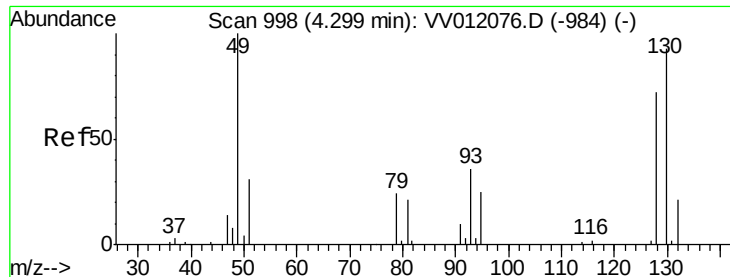
Tgt Ion: 63 Resp: 4121
 Ion Ratio Lower Upper
 63 100
 65 37.4 22.3 41.3
 83 12.2 10.4 19.2



#22
 cis-1,2-Dichloroethene
 Concen: 0.298 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Tgt Ion: 96 Resp: 2431
 Ion Ratio Lower Upper
 96 100
 61 97.6 81.5 151.5
 68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 0.289 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion:128 Resp: 1058

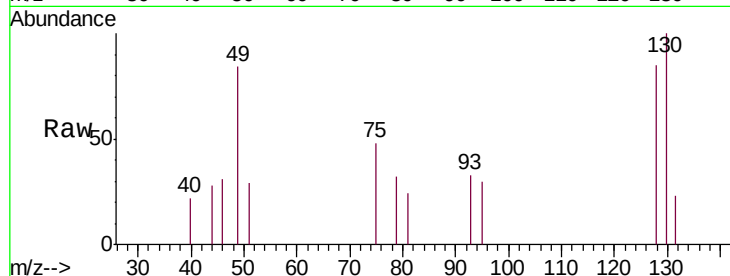
Ion Ratio Lower Upper

128 100

49 98.6 97.9 181.7

130 117.4 90.9 168.9

51 33.7 34.6 51.8#

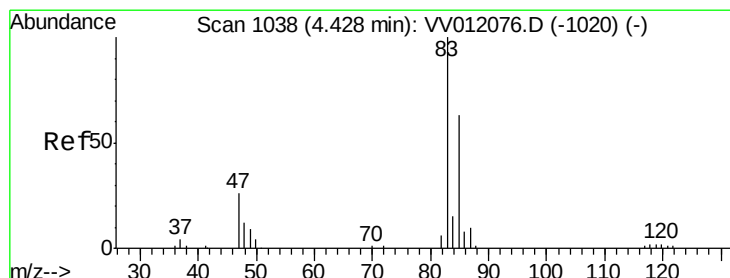
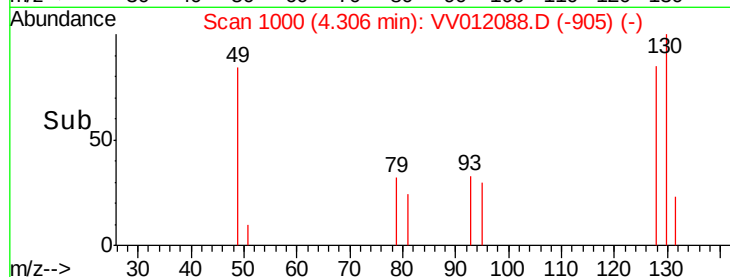
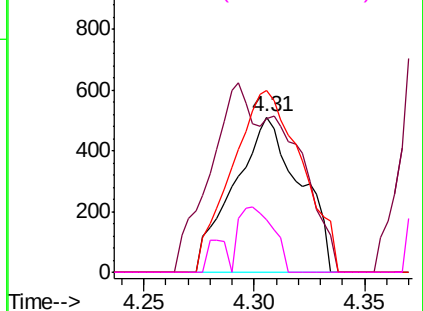


Abundance Ion 127.90 (127.60 to 128.60): V

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: 0.654 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VV012088.D

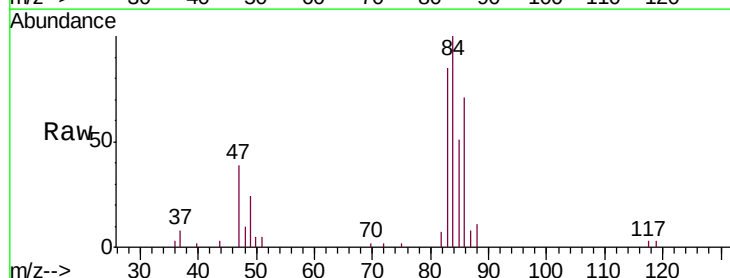
Acq: 30 Jul 2019 23:33

Tgt Ion: 83 Resp: 11477

Ion Ratio Lower Upper

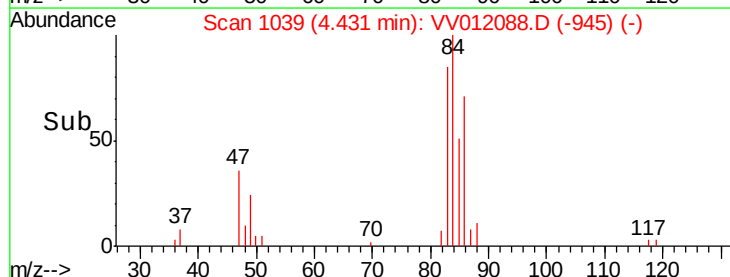
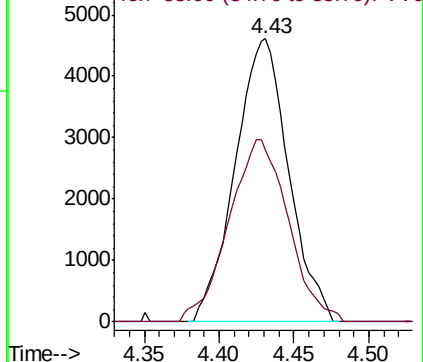
83 100

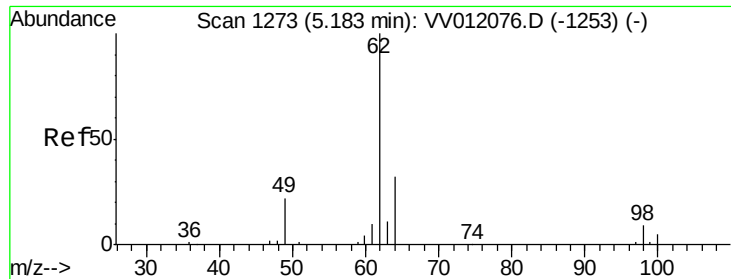
85 60.7 44.7 83.1



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.334 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampleId :

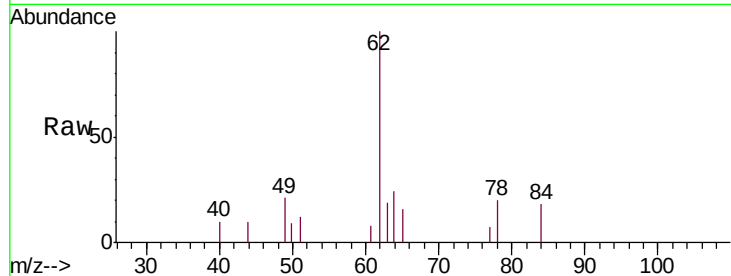
MDL05

Tgt Ion: 62 Resp: 3230

Ion Ratio Lower Upper

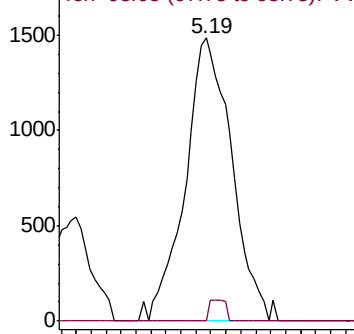
62 100

98 0.0 7.3 10.9#

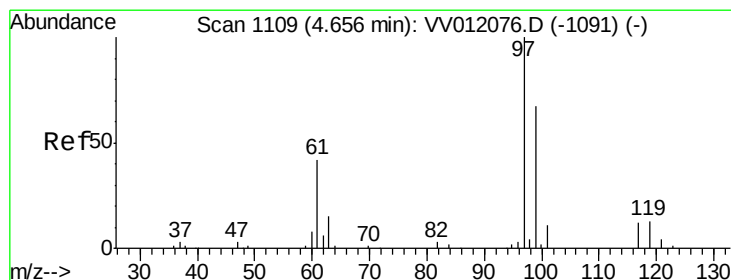
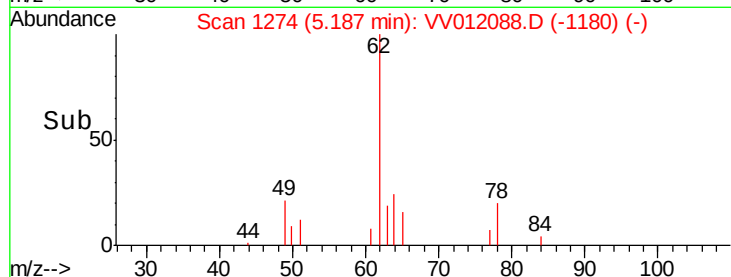


Abundance Ion 62.00 (61.70 to 62.70): VV012076.D (-1253) (-)

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



Time-->



#29

1,1,1-Trichloroethane

Concen: 0.301 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

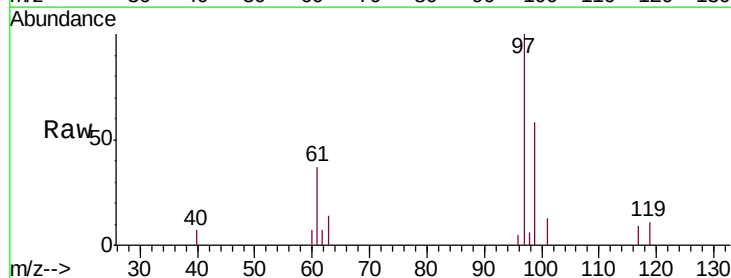
Tgt Ion: 97 Resp: 4442

Ion Ratio Lower Upper

97 100

99 63.5 51.7 77.5

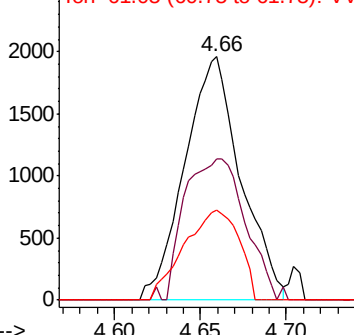
61 36.3 34.2 51.2



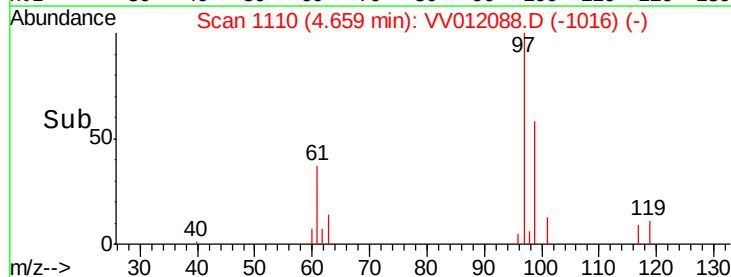
Abundance Ion 96.95 (96.65 to 97.65): VV012076.D (-1091) (-)

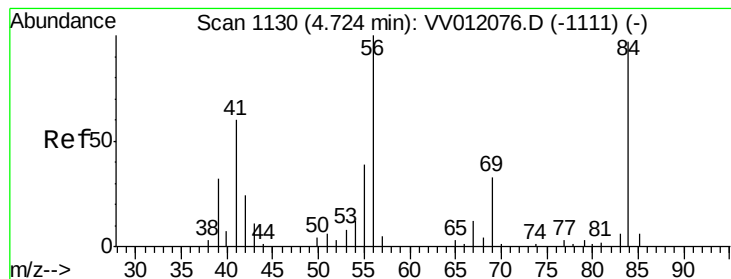
Ion 99.05 (98.75 to 99.75): VV012076.D (-1091) (-)

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



Time-->

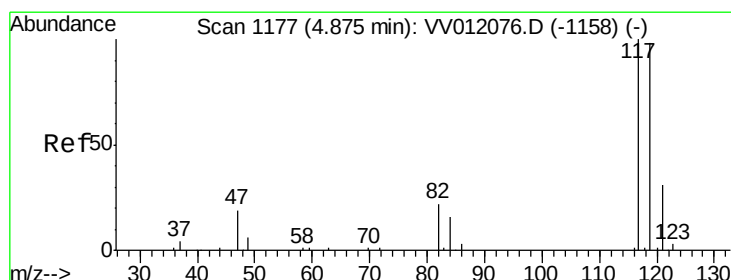
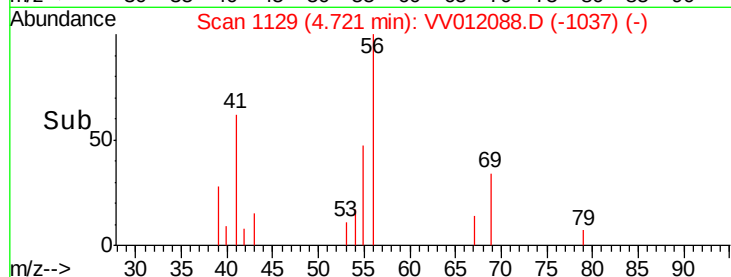
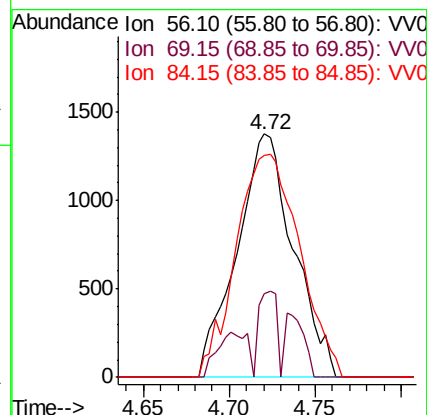
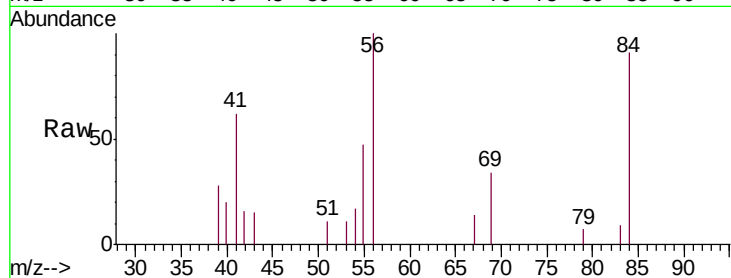




#30
Cyclohexane
Concen: 0.281 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

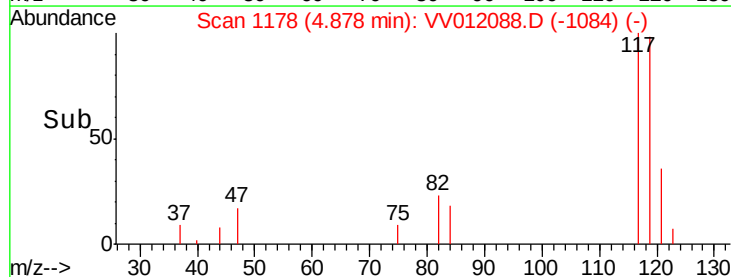
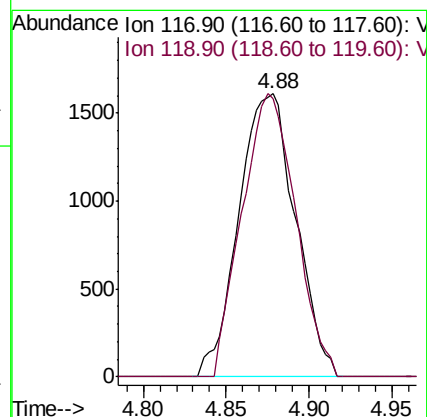
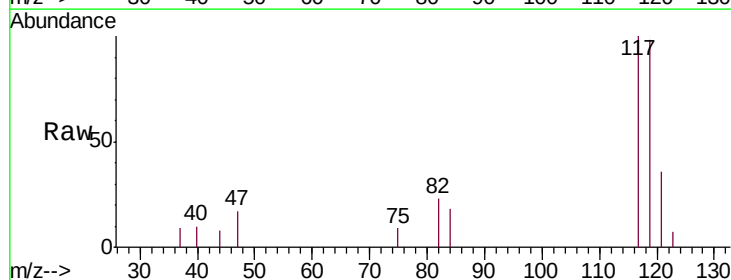
Instrument :
MSVOA_V
ClientSampled :
MDL05

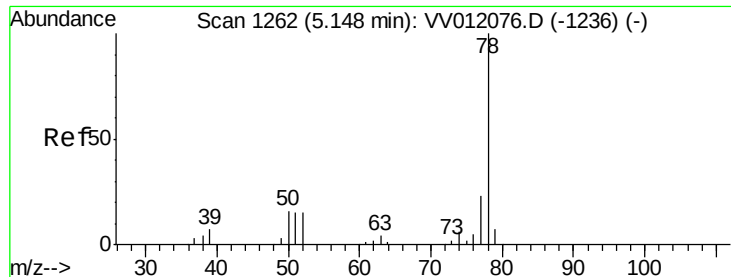
Tgt Ion: 56 Resp: 3158
Ion Ratio Lower Upper
56 100
69 11.3 26.0 39.0#
84 102.3 79.9 119.9



#31
Carbon tetrachloride
Concen: 0.290 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tgt Ion: 117 Resp: 3836
Ion Ratio Lower Upper
117 100
119 94.4 77.7 116.5

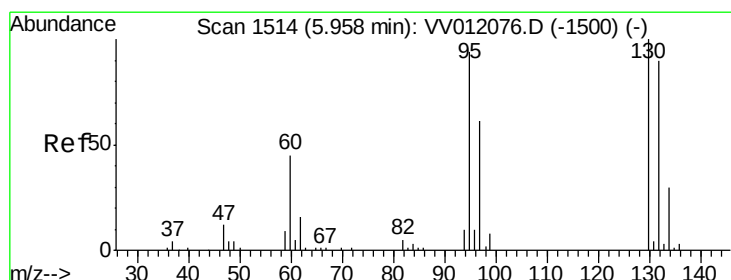
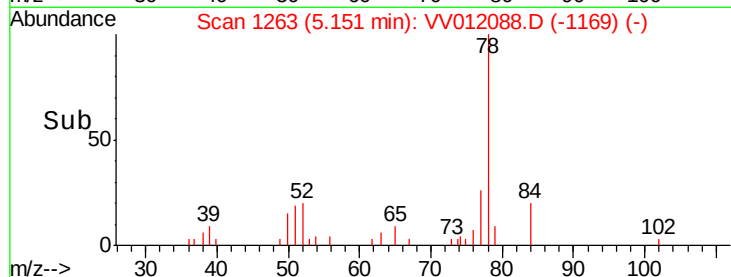
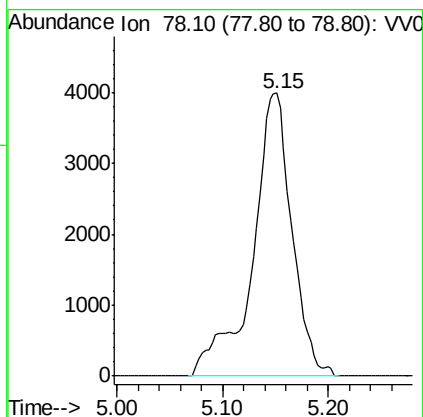
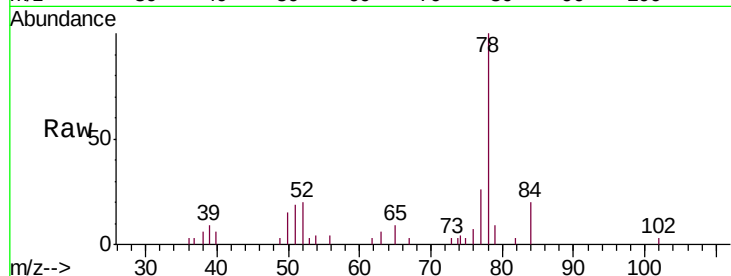




#33
Benzene
Concen: 0.346 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tgt Ion: 78 Resp: 10397

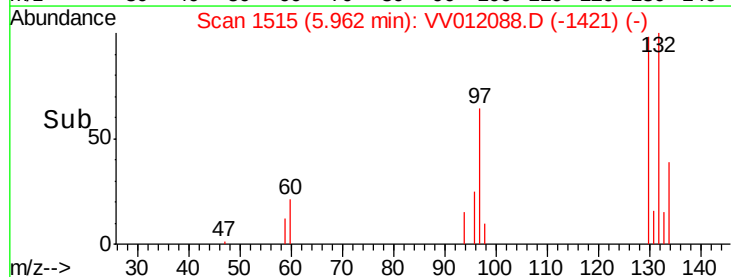
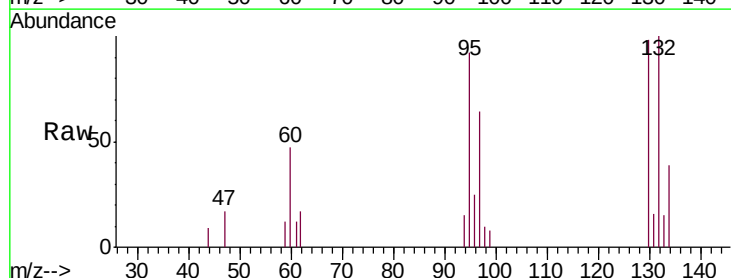
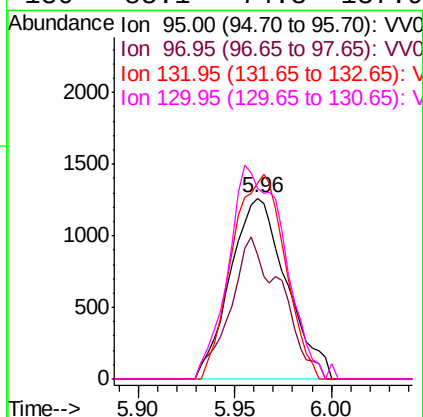
Instrument :
MSVOA_V
ClientSampleId :
MDL05

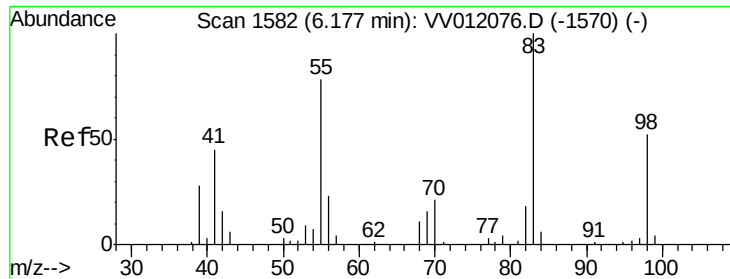


#34
Trichloroethene
Concen: 0.295 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tgt Ion: 95 Resp: 2555

Ion	Ratio	Lower	Upper
95	100		
97	54.2	45.4	84.2
132	85.2	67.0	124.4
130	83.1	74.3	137.9

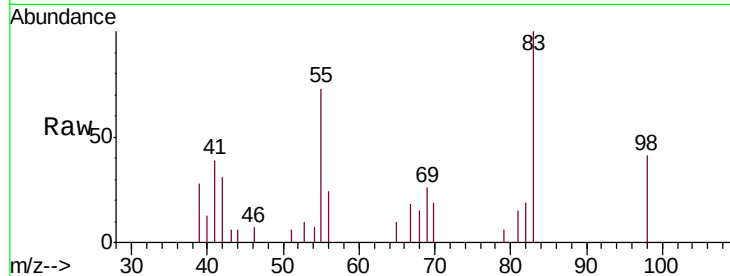




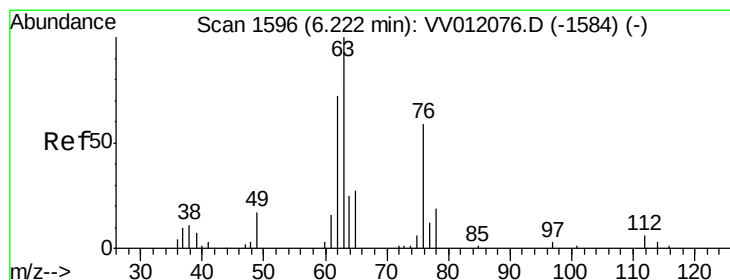
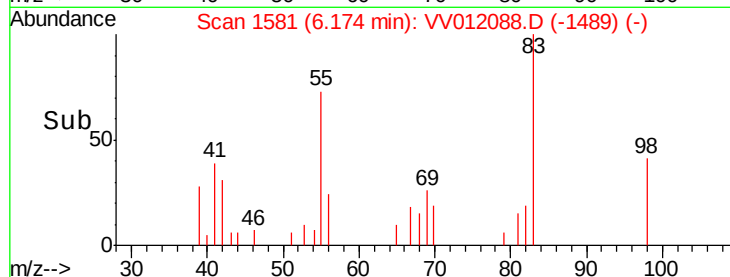
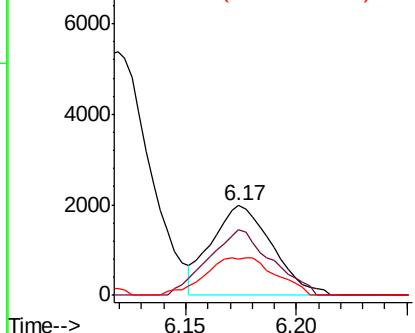
#35
Methylcyclohexane
Concen: 0.288 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion: 83 Resp: 3784
Ion Ratio Lower Upper
83 100
55 75.6 59.9 89.9
98 48.5 40.8 61.2

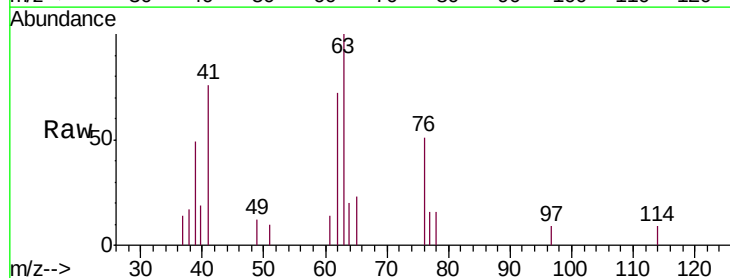


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

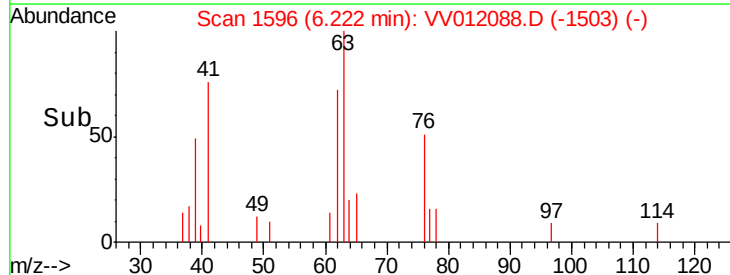
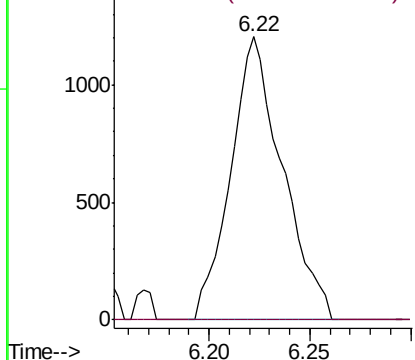


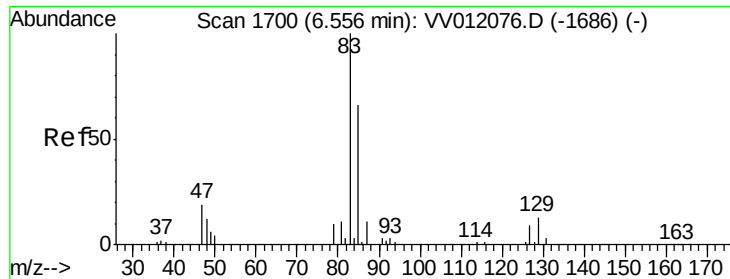
#37
1,2-Dichloropropane
Concen: 0.310 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tgt Ion: 63 Resp: 2158
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

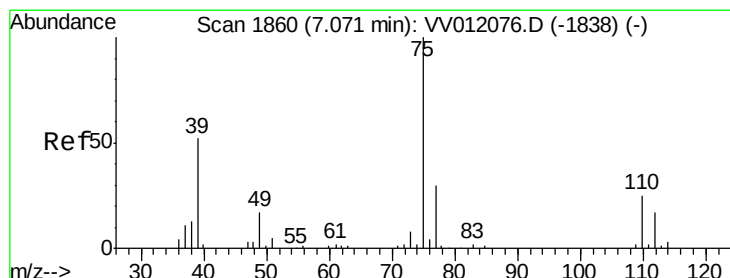
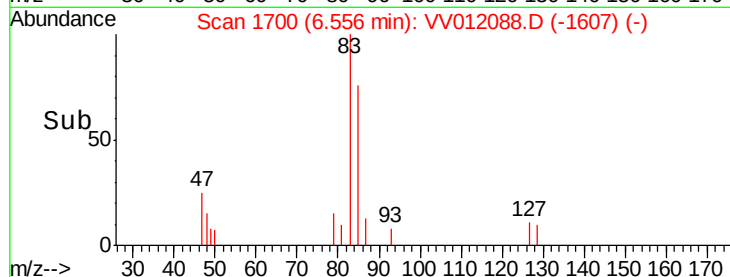
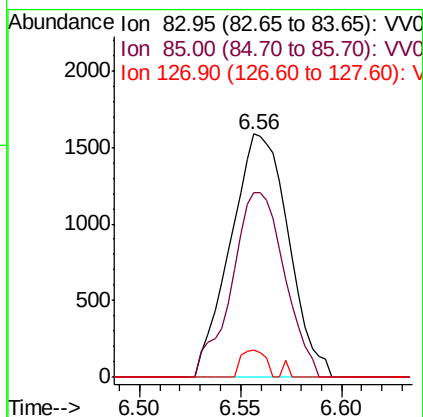
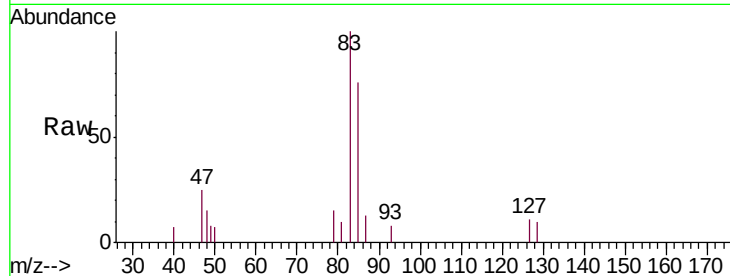




#38
 Bromodichloromethane
 Concen: 0.311 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

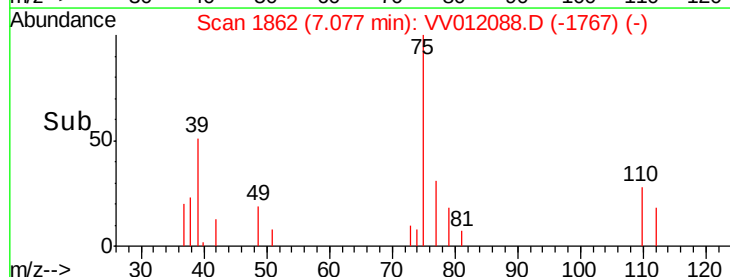
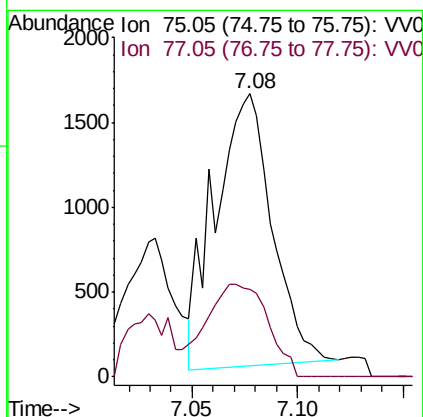
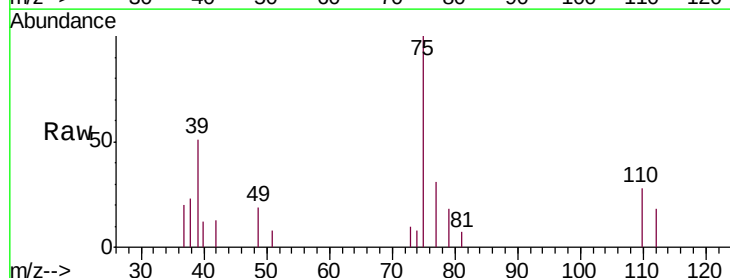
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

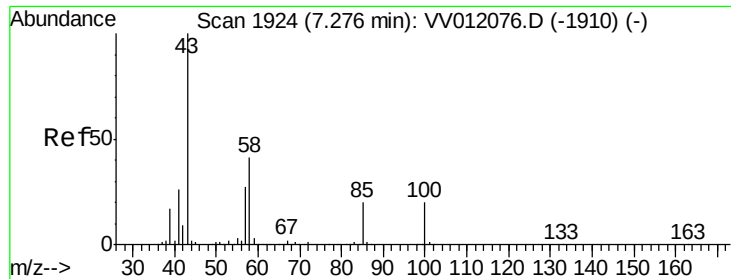
Tgt Ion: 83 Resp: 3179
 Ion Ratio Lower Upper
 83 100
 85 75.8 46.2 85.8
 127 11.4 7.2 10.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.280 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Tgt Ion: 75 Resp: 3033
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.3 39.5

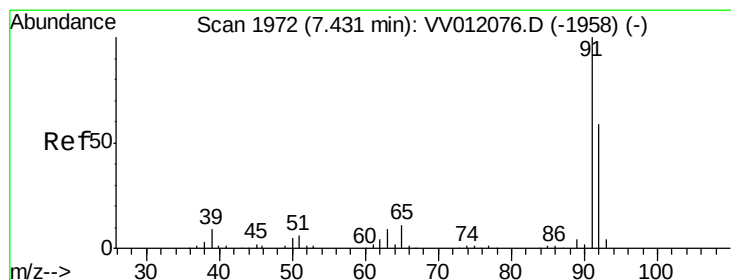
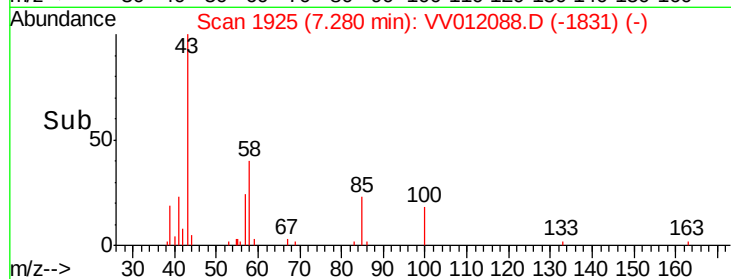
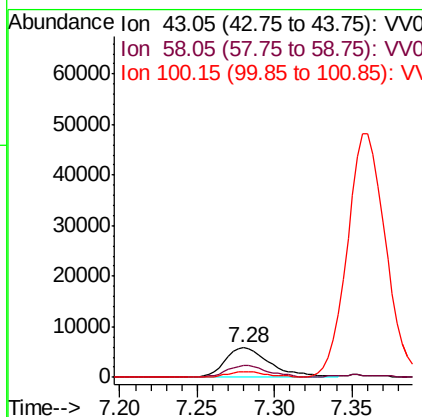
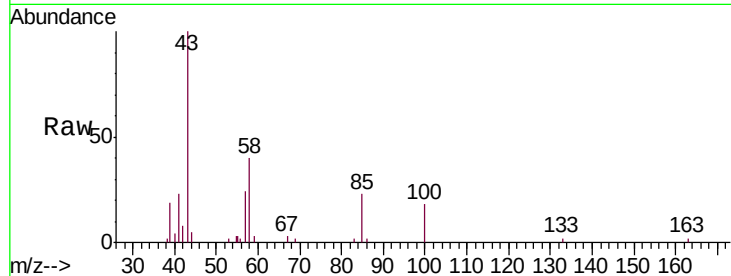




#40
4-Methyl-2-pentanone
Concen: 3.151 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

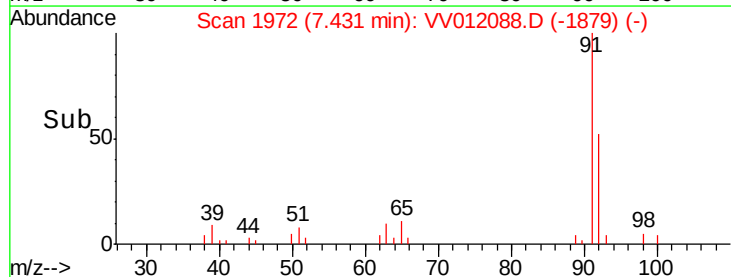
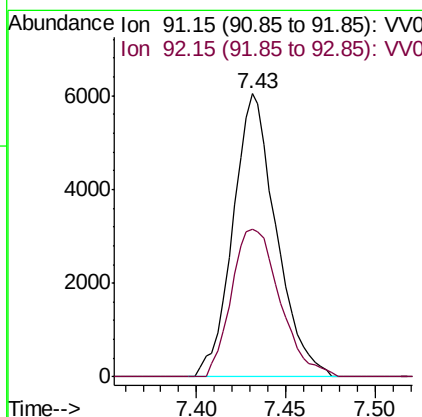
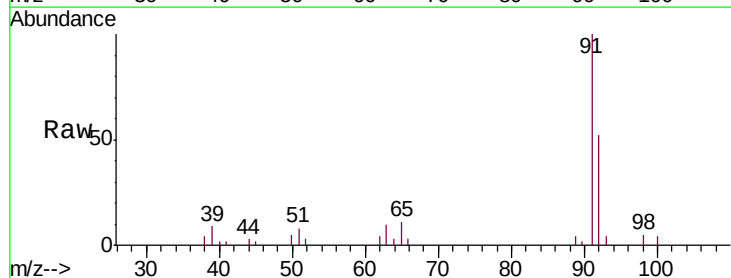
Instrument :
MSVOA_V
ClientSampleId :
MDL05

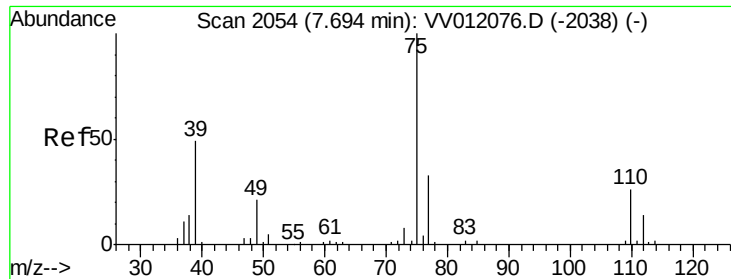
Tgt Ion: 43 Resp: 11925
Ion Ratio Lower Upper
43 100
58 37.7 31.8 47.6
100 0.0 15.0 22.4#



#42
Toluene
Concen: 0.310 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tgt Ion: 91 Resp: 10200
Ion Ratio Lower Upper
91 100
92 52.0 41.6 77.2





#44

trans-1,3-Dichloropropene

Concen: 0.279 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampleId :

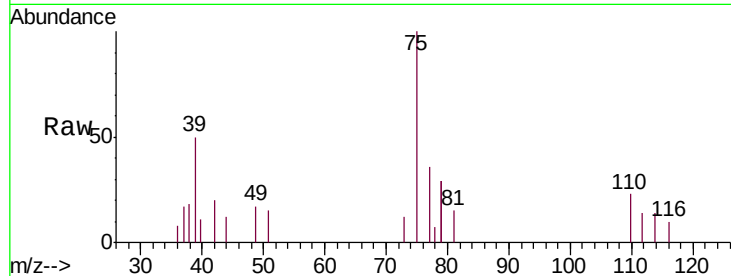
MDL05

Tgt Ion: 75 Resp: 2437

Ion Ratio Lower Upper

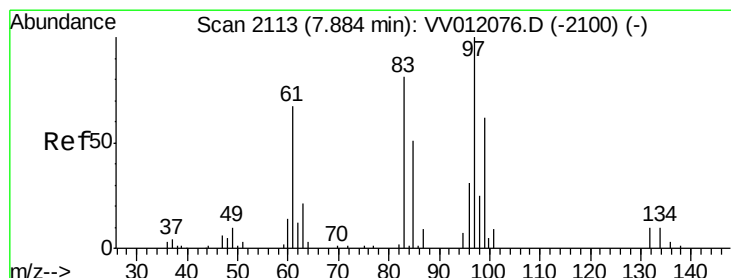
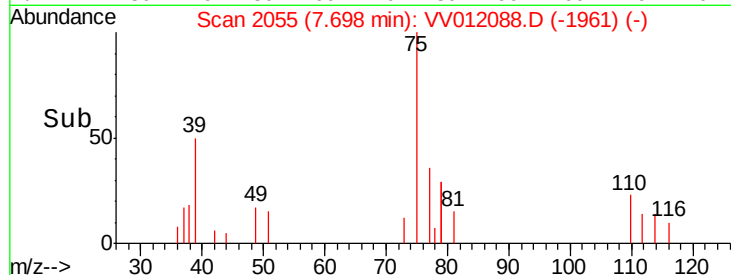
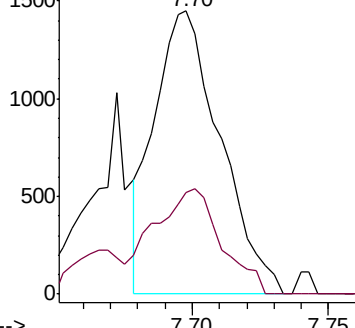
75 100

77 35.8 22.8 42.4



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

Ion 77.05 (76.75 to 77.75): VV012088.D (-1961) (-)



#45

1,1,2-Trichloroethane

Concen: 0.304 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Tgt Ion: 97 Resp: 1574

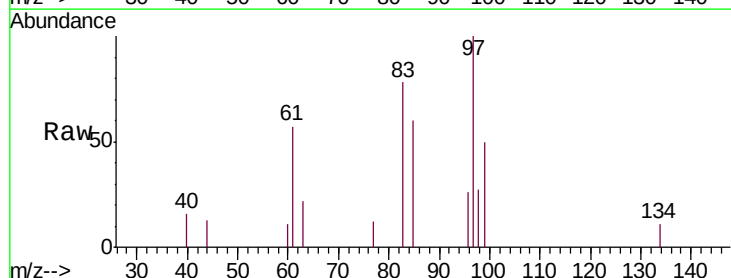
Ion Ratio Lower Upper

97 100

99 50.2 43.3 80.3

83 77.8 56.6 105.0

85 59.8 35.8 66.6

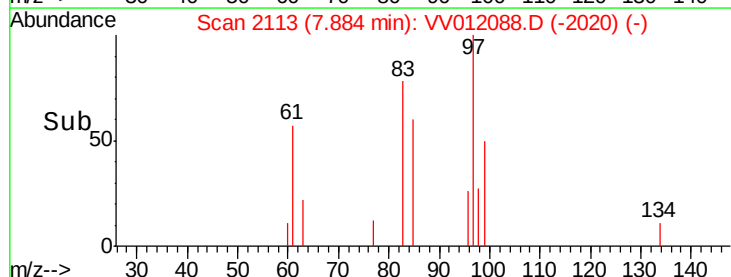
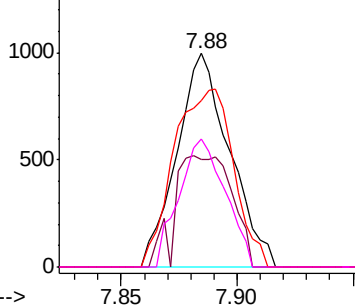


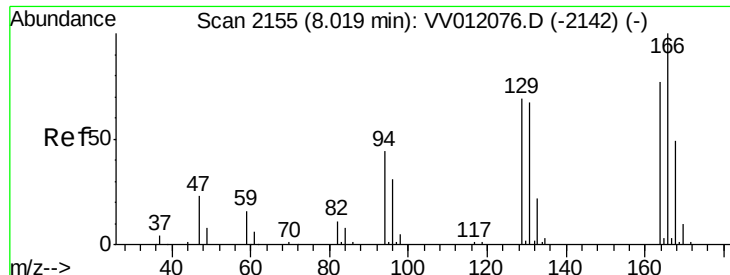
Abundance Ion 96.95 (96.65 to 97.65): VV012076.D (-2100) (-)

Ion 99.05 (98.75 to 99.75): VV012088.D (-2020) (-)

Ion 82.95 (82.65 to 83.65): VV012088.D (-2020) (-)

Ion 85.00 (84.70 to 85.70): VV012088.D (-2020) (-)





#47

Tetrachloroethene

Concen: 0.310 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampleID :

MDL05

Tgt Ion:164 Resp: 2443

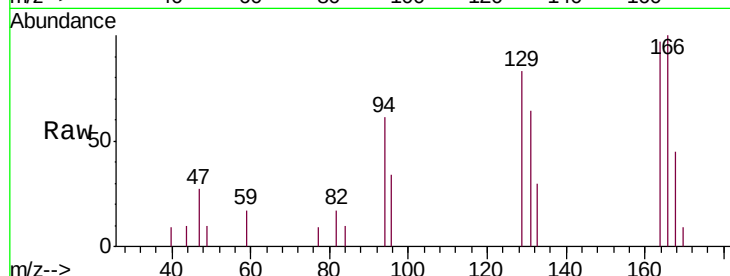
Ion Ratio Lower Upper

164 100

129 85.4 62.5 116.1

131 66.2 60.9 113.1

166 103.2 90.4 168.0

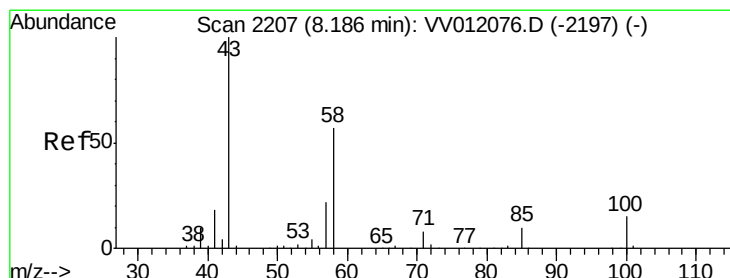
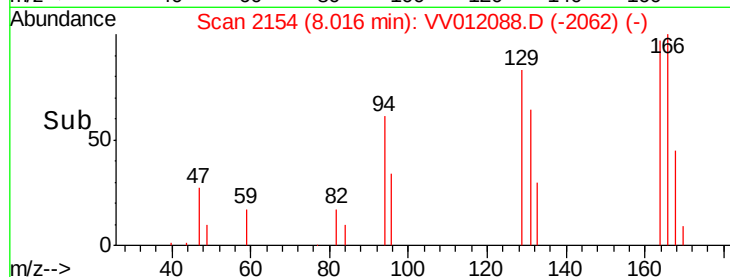
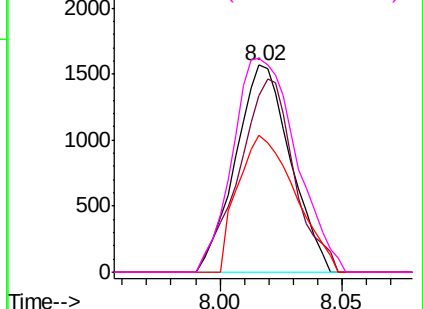


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 3.287 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Tgt Ion: 43 Resp: 8653

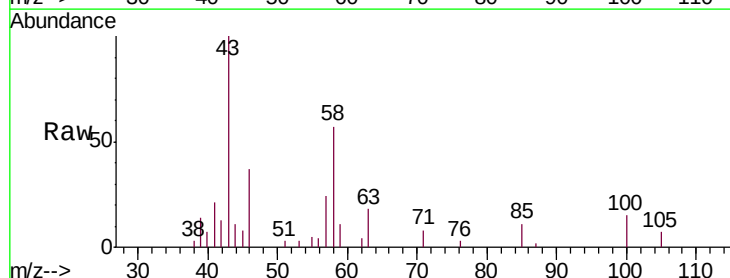
Ion Ratio Lower Upper

43 100

58 65.5 45.7 68.5

57 24.2 17.0 25.4

100 13.0 12.6 18.8

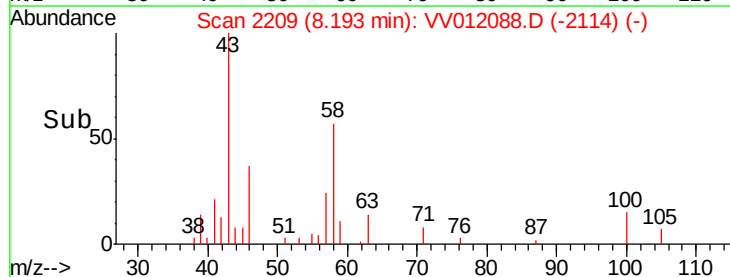
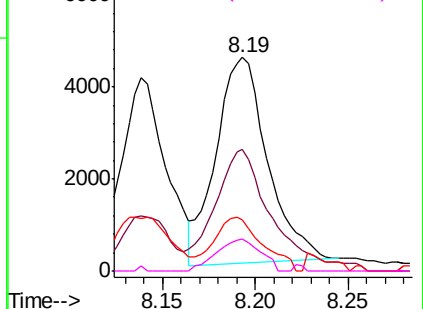


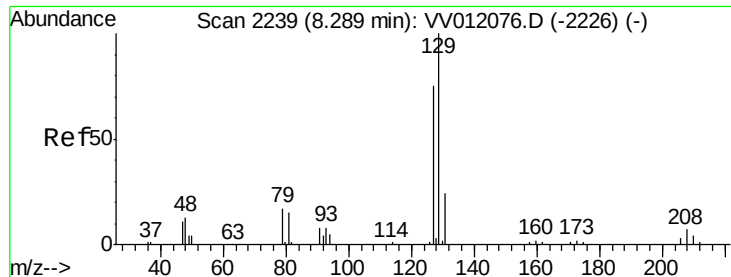
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

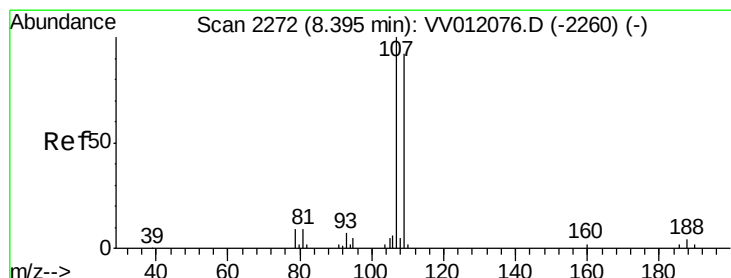
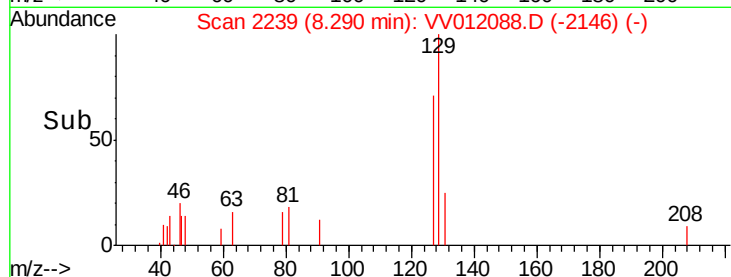
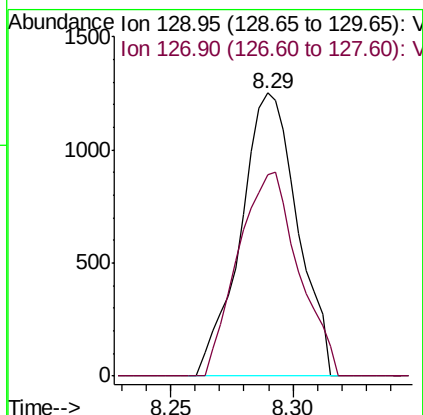
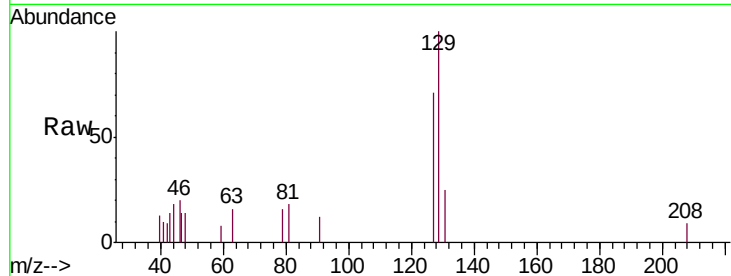




#49
 Dibromochloromethane
 Concen: 0.300 ug/L
 RT: 8.29 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

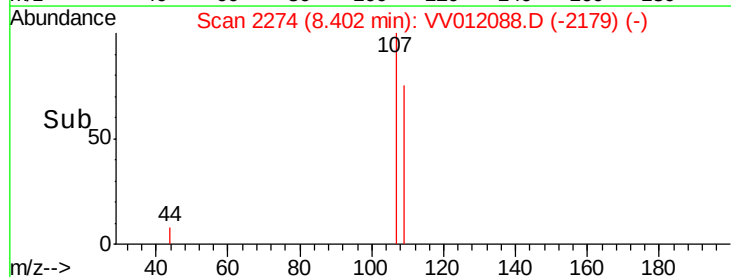
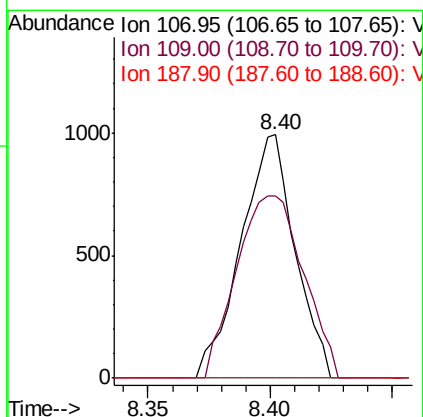
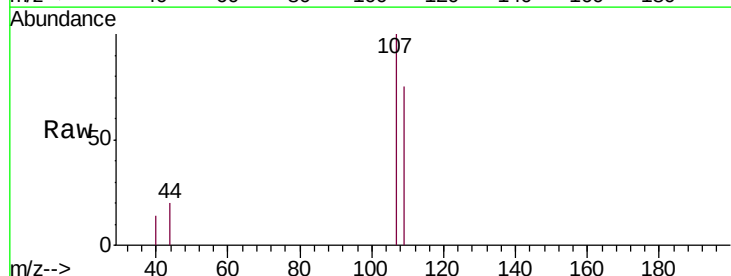
Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

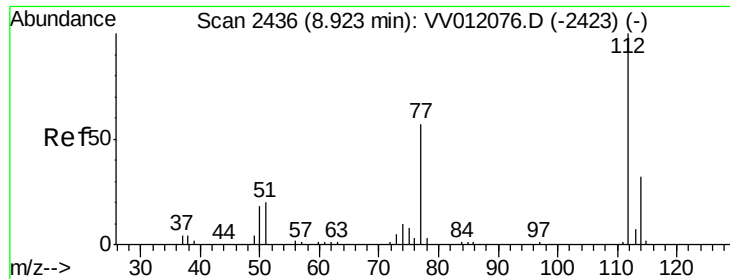
Tgt Ion:129 Resp: 2021
 Ion Ratio Lower Upper
 129 100
 127 71.3 52.8 98.2



#50
 1,2-Dibromoethane
 Concen: 0.307 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Tgt Ion:107 Resp: 1523
 Ion Ratio Lower Upper
 107 100
 109 74.9 64.7 120.1
 188 0.0 3.4 5.0#

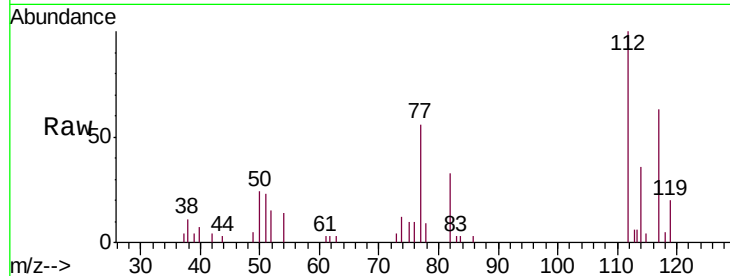




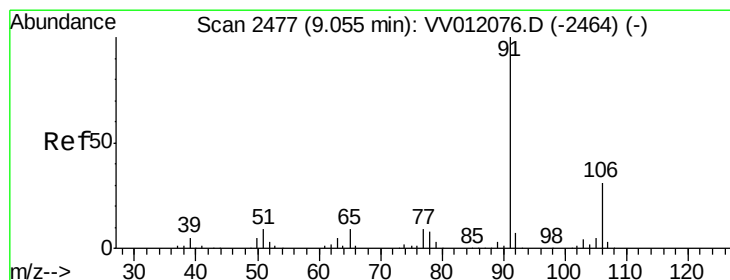
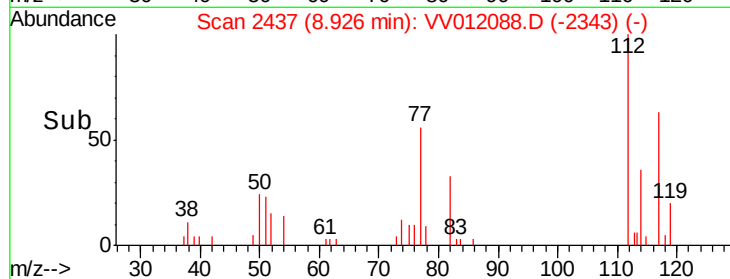
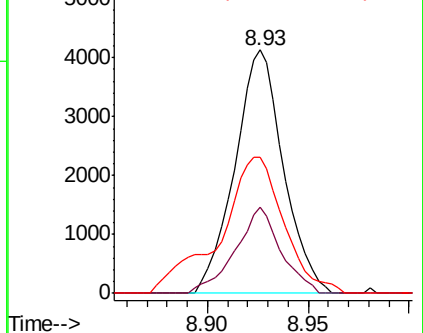
#51
Chlorobenzene
Concen: 0.311 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion: 112 Resp: 6938
Ion Ratio Lower Upper
112 100
114 35.5 22.4 41.6
77 56.1 46.1 69.1

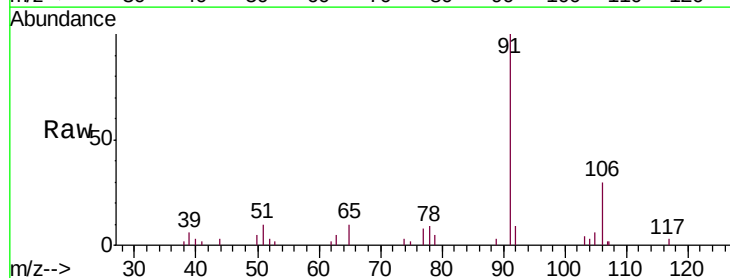


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

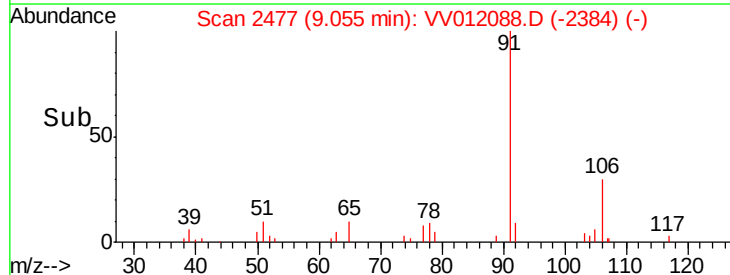
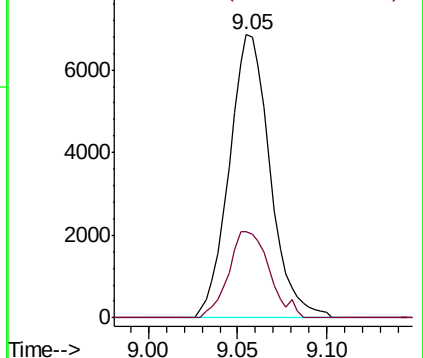


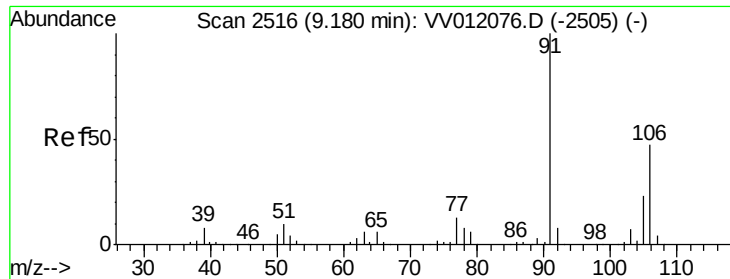
#52
Ethylbenzene
Concen: 0.289 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tgt Ion: 91 Resp: 10934
Ion Ratio Lower Upper
91 100
106 30.5 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.258 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.01 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampleId :

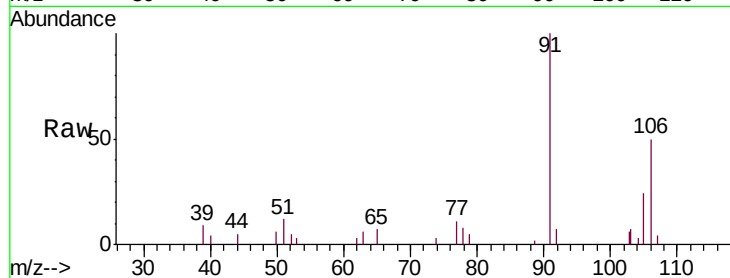
MDL05

Tgt Ion:106 Resp: 3752

Ion Ratio Lower Upper

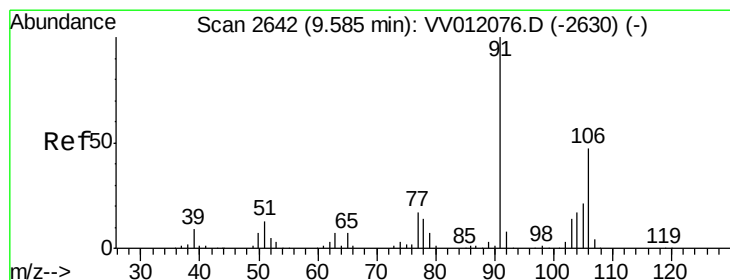
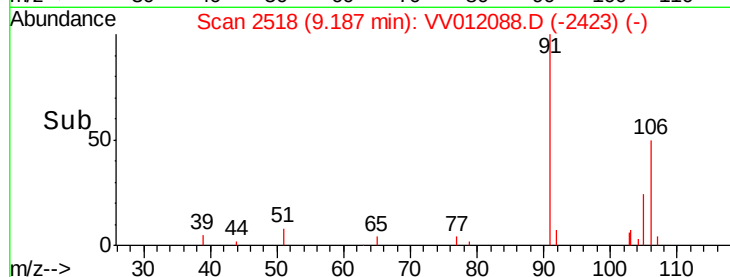
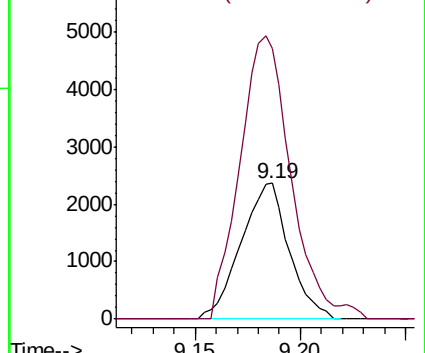
106 100

91 199.3 148.7 276.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.306 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012088.D

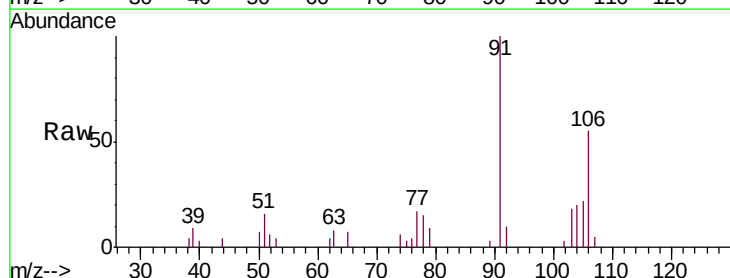
Acq: 30 Jul 2019 23:33

Tgt Ion:106 Resp: 4255

Ion Ratio Lower Upper

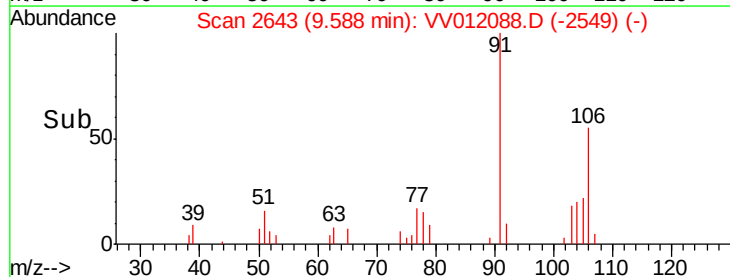
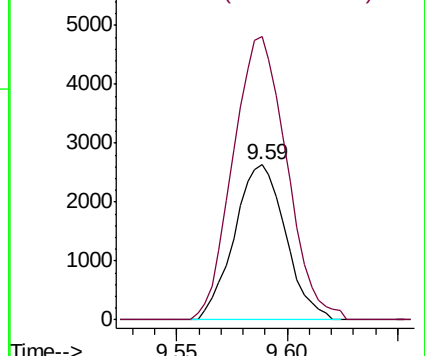
106 100

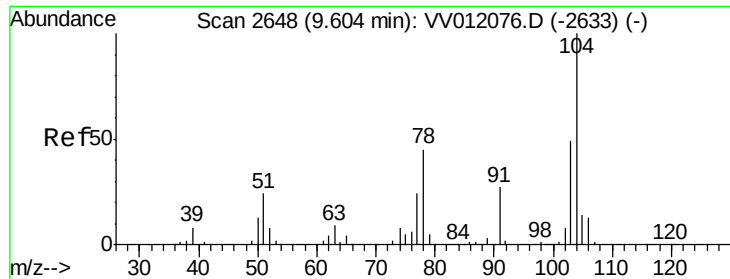
91 182.4 147.7 274.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Styrene

Concen: 0.258 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

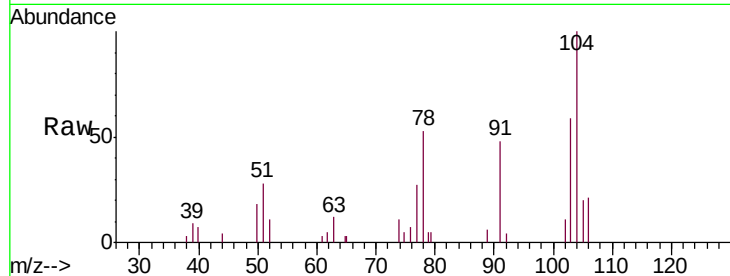
Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion:104 Resp: 6093

Ion Ratio Lower Upper

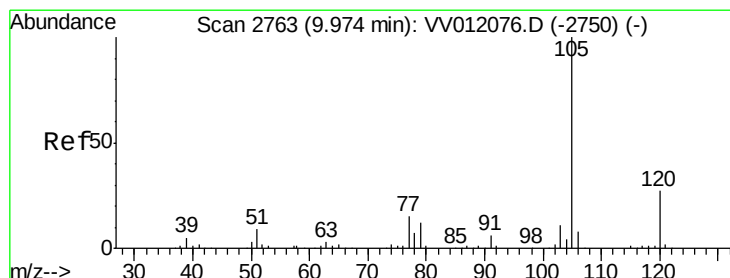
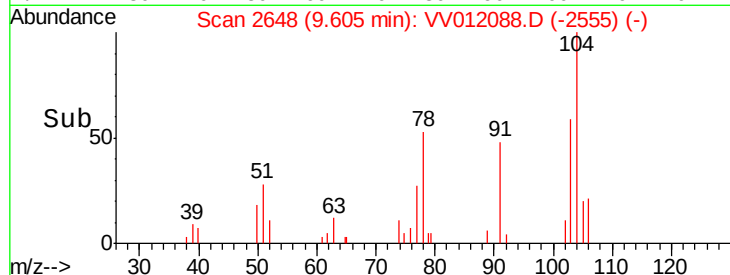
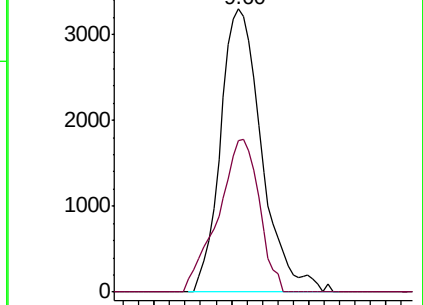
104 100

78 58.3 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: 0.280 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

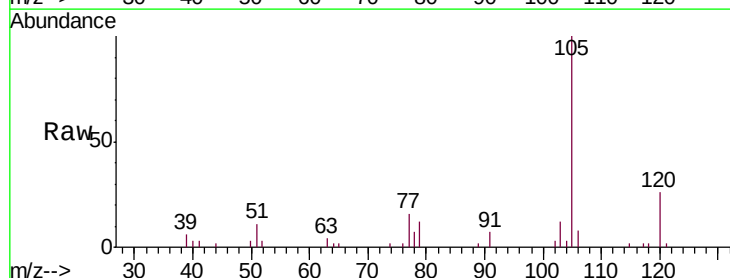
Tgt Ion:105 Resp: 10786

Ion Ratio Lower Upper

105 100

120 25.5 21.8 32.8

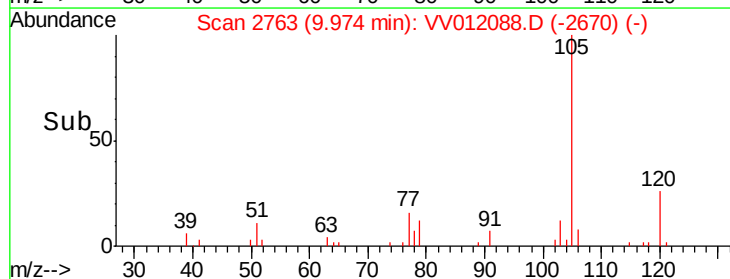
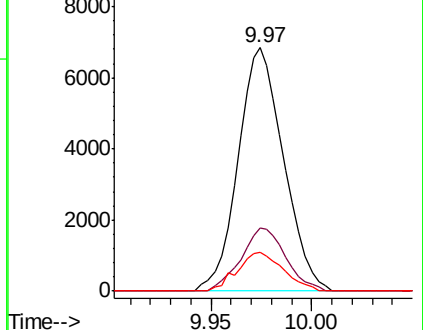
77 16.0 12.7 19.1

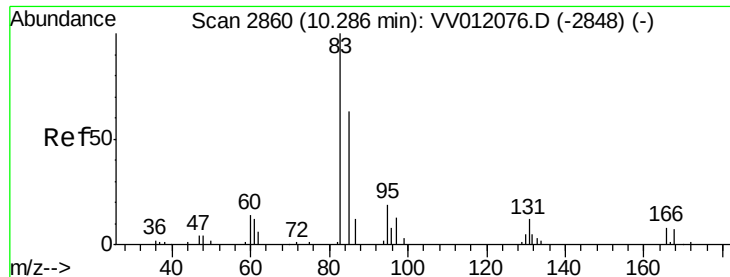


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0

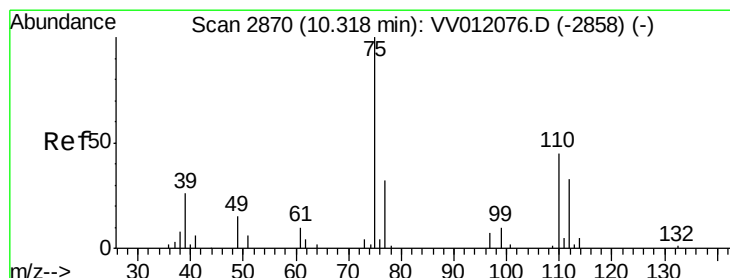
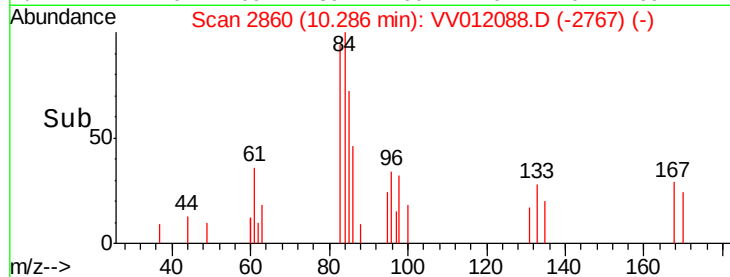
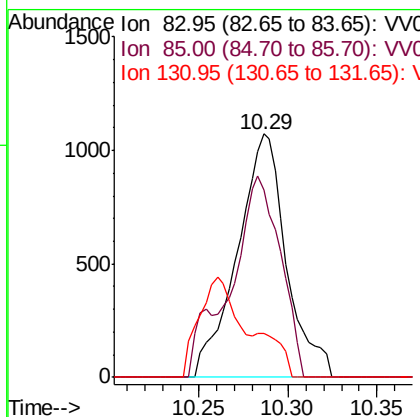
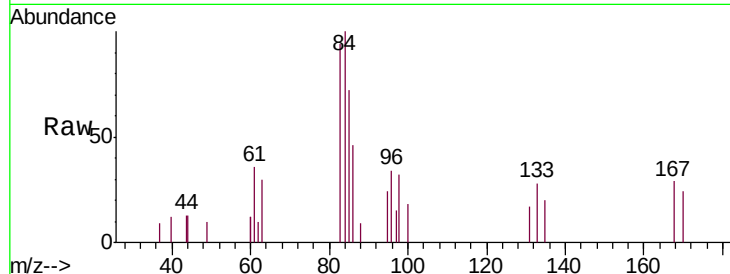




#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.359 ug/L
 RT: 10.29 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

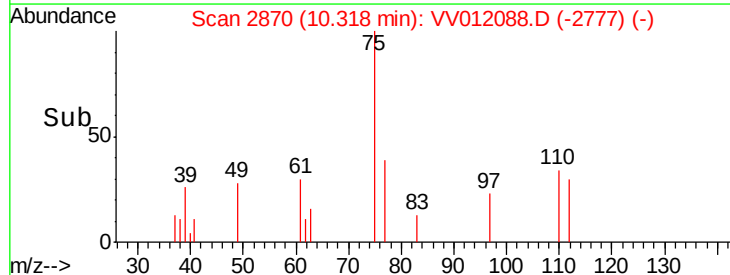
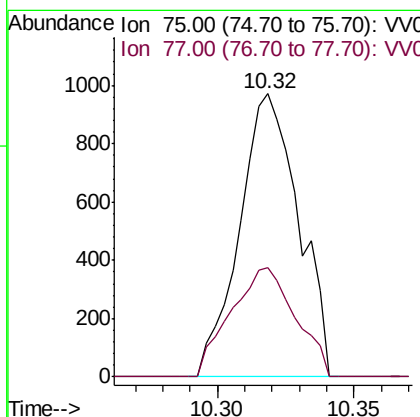
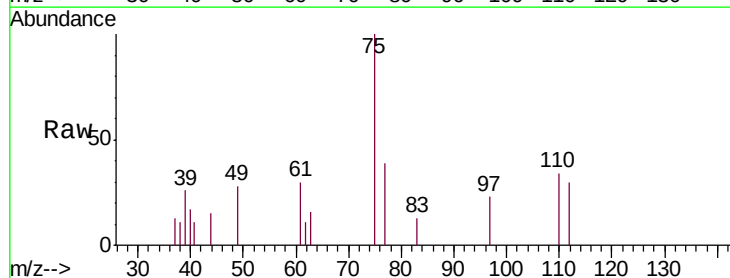
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

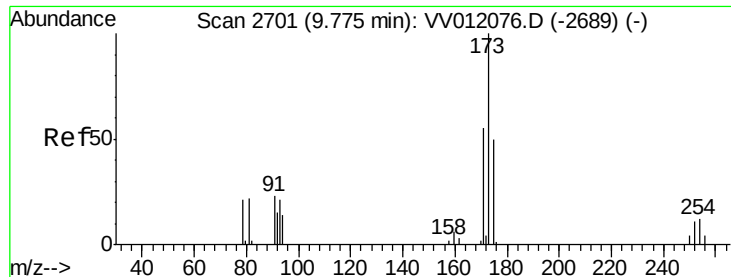
Tgt Ion: 83 Resp: 2053
 Ion Ratio Lower Upper
 83 100
 85 76.7 45.1 83.7
 131 18.0 10.3 15.5#



#59
 1,2,3-Trichloropropane
 Concen: 0.337 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Tgt Ion: 75 Resp: 1459
 Ion Ratio Lower Upper
 75 100
 77 42.3 26.9 40.3#





#61

Bromoform

Concen: 0.323 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampleId :

MDL05

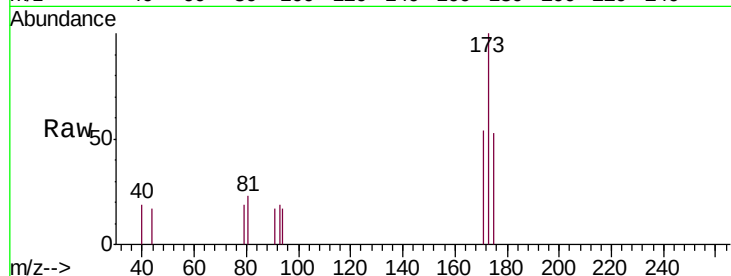
Tgt Ion:173 Resp: 1142

Ion Ratio Lower Upper

173 100

175 47.2 39.4 59.2

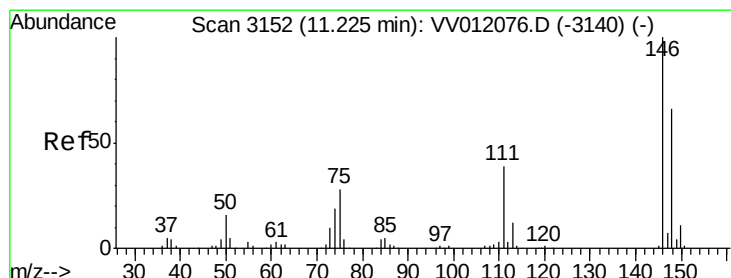
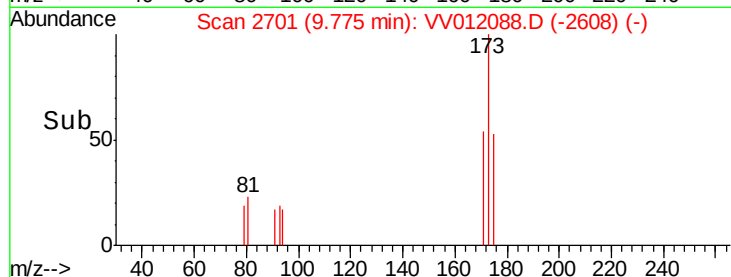
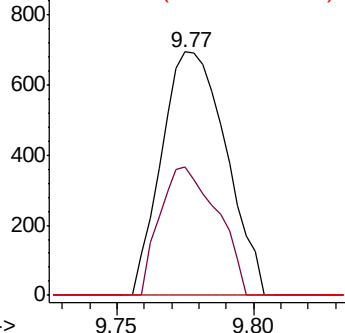
254 0.0 8.7 13.1#



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: 0.319 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

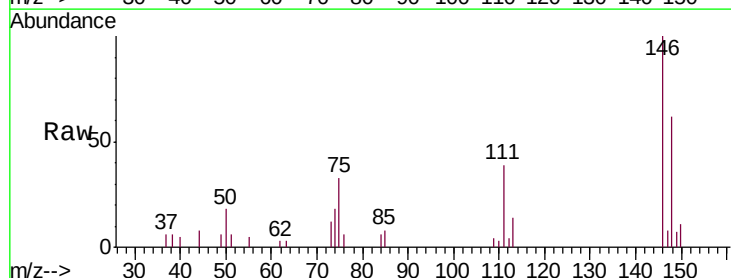
Tgt Ion:146 Resp: 5855

Ion Ratio Lower Upper

146 100

111 39.2 27.2 50.6

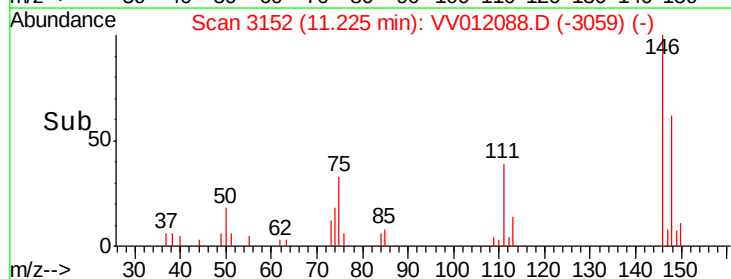
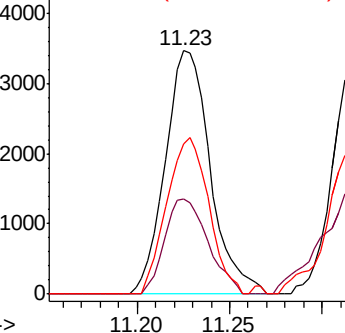
148 61.6 45.9 85.3

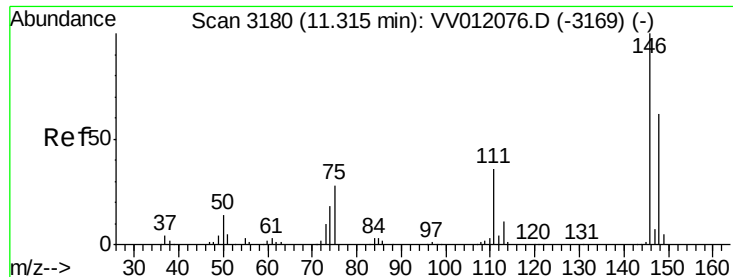


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

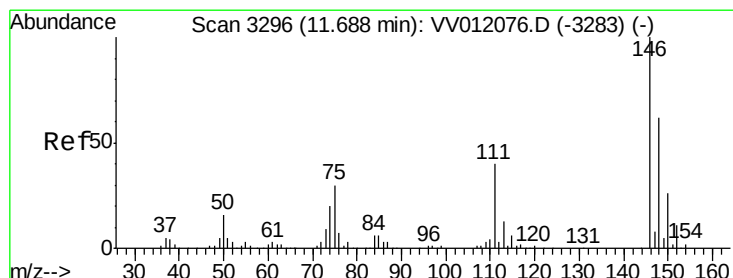
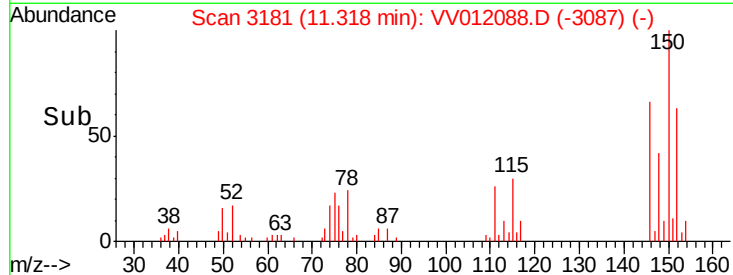
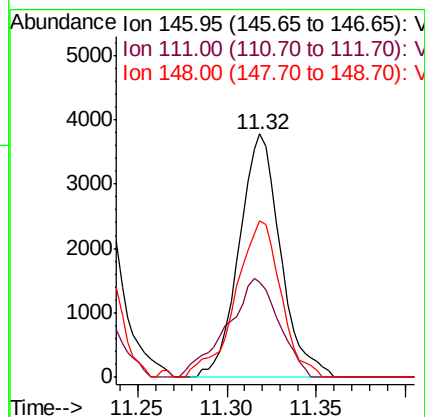
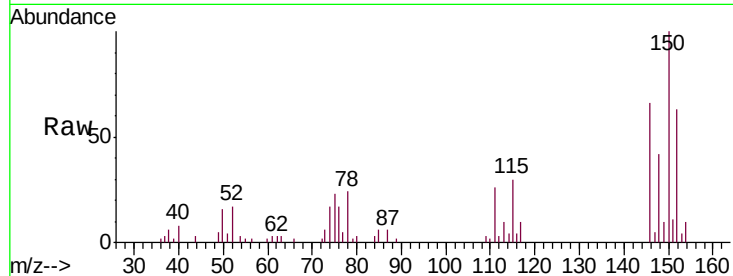




#63
 1,4-Dichlorobenzene
 Concen: 0.326 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

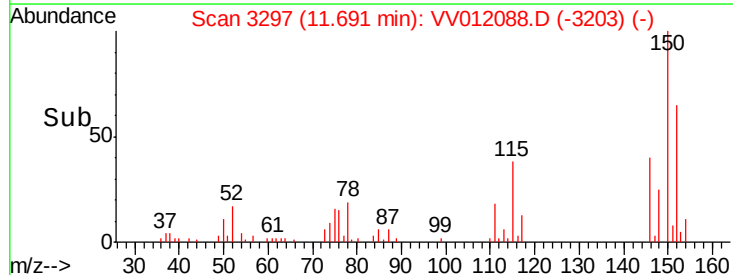
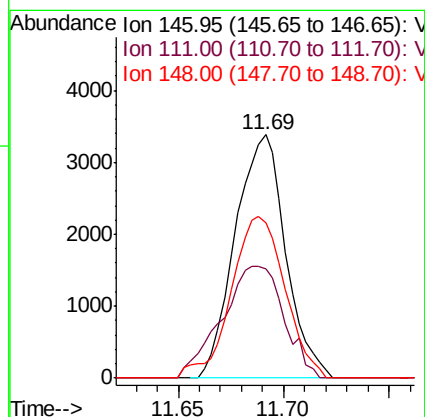
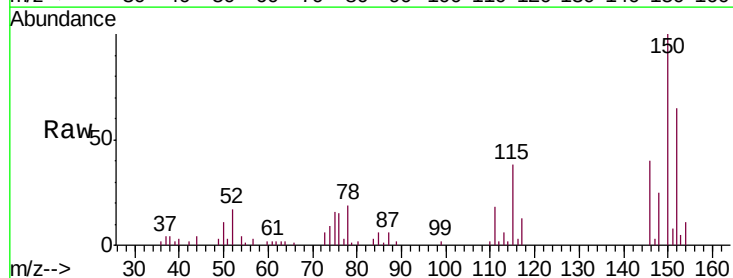
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

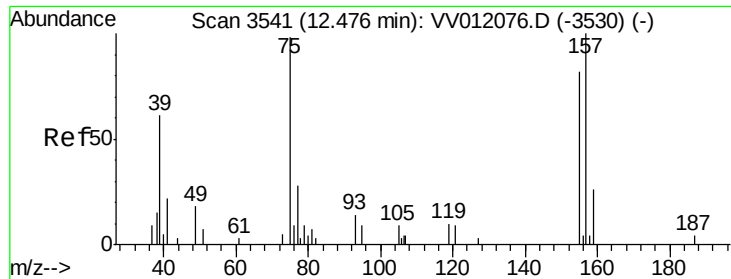
Tgt Ion:146 Resp: 6110
 Ion Ratio Lower Upper
 146 100
 111 39.2 25.4 47.2
 148 64.1 43.5 80.7



#65
 1,2-Dichlorobenzene
 Concen: 0.338 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Tgt Ion:146 Resp: 5609
 Ion Ratio Lower Upper
 146 100
 111 44.7 32.3 48.5
 148 63.9 49.9 74.9

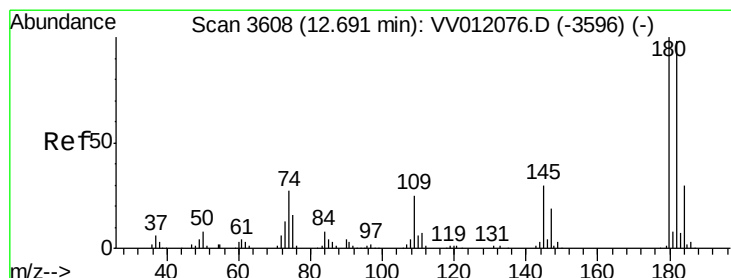
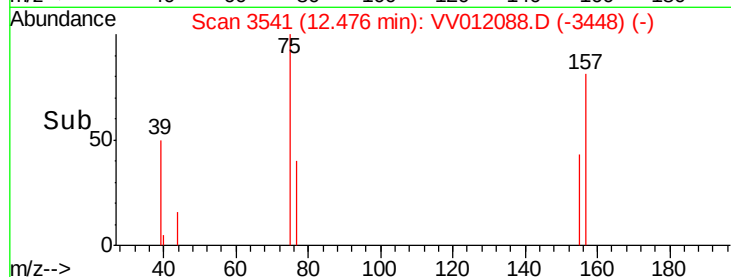
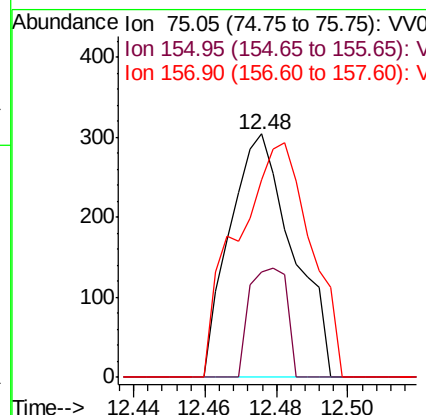
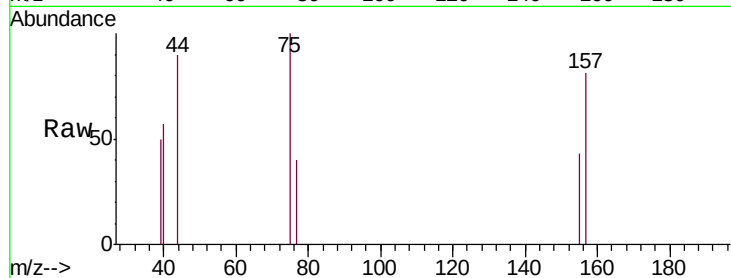




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.416 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

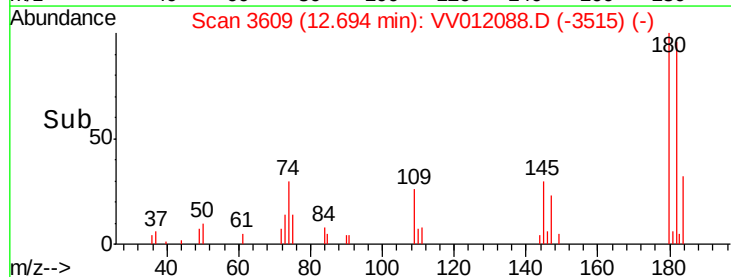
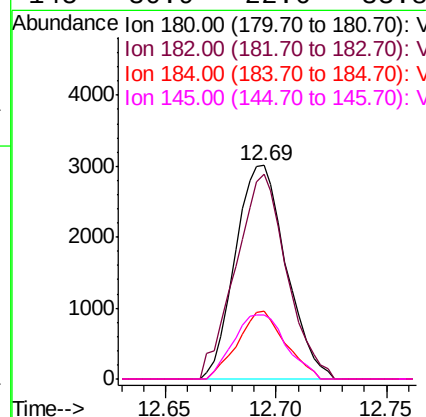
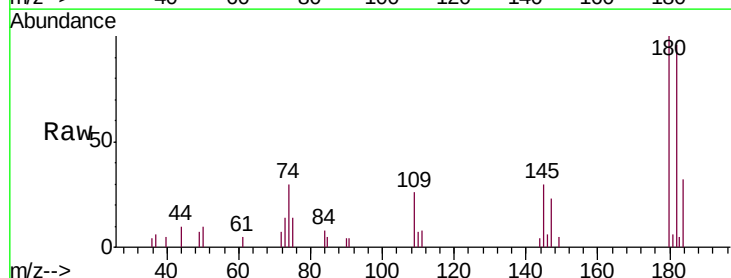
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

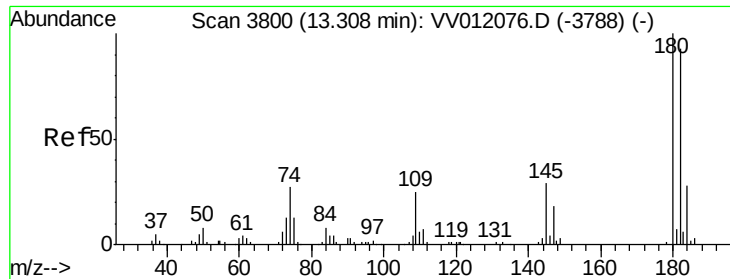
Tgt Ion: 75 Resp: 370
 Ion Ratio Lower Upper
 75 100
 155 43.1 66.9 100.3#
 157 81.3 81.8 122.6#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.322 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Tgt Ion: 180 Resp: 4834
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.6 115.0
 184 29.6 23.8 35.8
 145 30.9 22.6 33.8

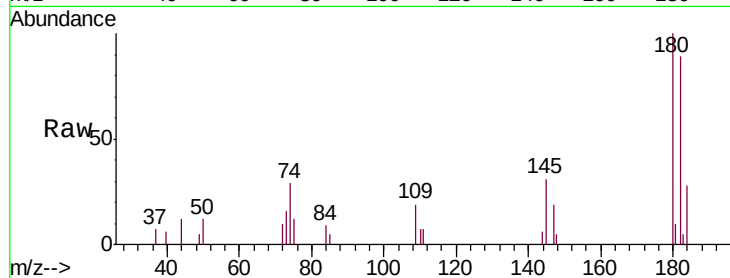




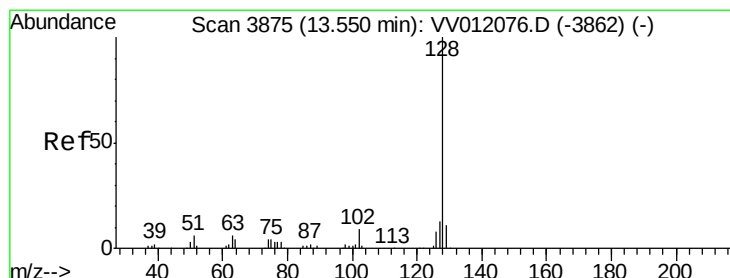
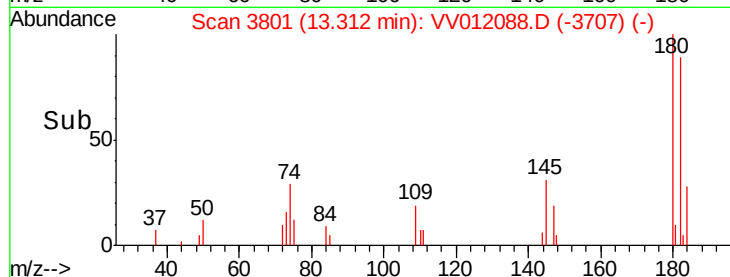
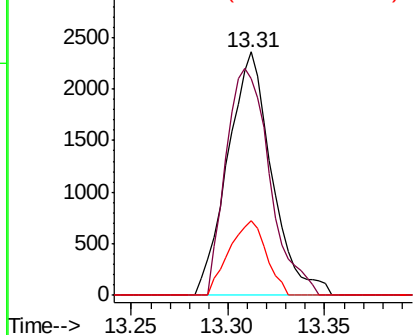
#68
 1,2,4-trichlorobenzene
 Concen: 0.308 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion:180 Resp: 3730
 Ion Ratio Lower Upper
 180 100
 182 92.8 75.4 113.0
 145 26.0 23.5 35.3

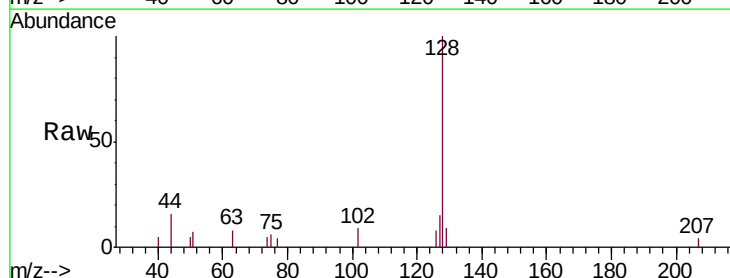


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

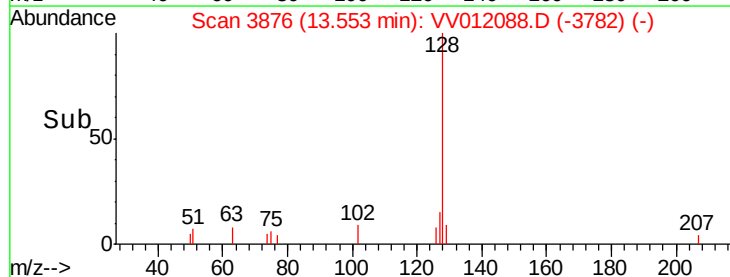
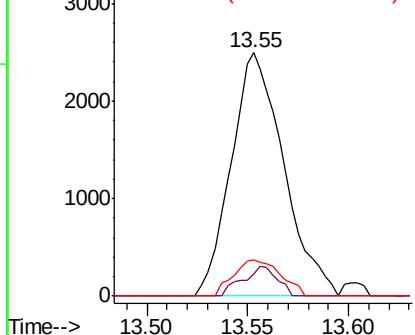


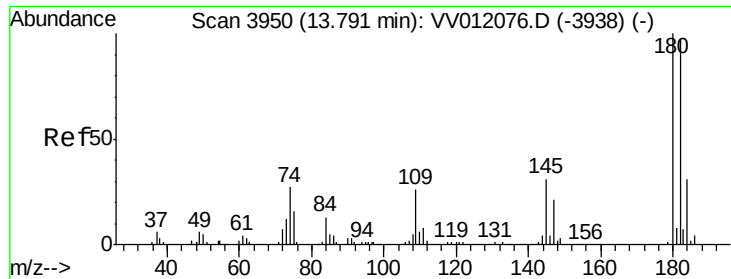
#69
 Naphthalene
 Concen: 0.278 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Tgt Ion:128 Resp: 4532
 Ion Ratio Lower Upper
 128 100
 129 8.1 8.4 12.6#
 127 13.4 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: 0.326 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion:180 Resp: 3519
 Ion Ratio Lower Upper
 180 100
 182 91.3 76.5 114.7
 145 28.3 24.4 36.6

