

Data File : VV012086.D
Acq On : 30 Jul 2019 22:42
Operator : SY/MD
Sample : MDL03
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Quant Time: Jul 31 05:38:55 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	113111	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	110269	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	54670	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25360	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.58	69	20271	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.13	63	42336	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.40%
20) 2-Butanone-d5	3.97	46	72733	49.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.66%
24) Chloroform-d	4.40	84	71709	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.08	65	40513	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.10	84	138336	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.12	67	38408	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.36	98	128459	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.67	79	15307	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.14	63	57832	49.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	27633	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	52326	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4058	0.324 ug/L	100
3) Chloromethane	1.25	50	1888	0.315 ug/L	99
5) Vinyl chloride	1.32	62	2153	0.329 ug/L #	67
6) Bromomethane	1.54	94	1208	0.298 ug/L	85
8) Chloroethane	1.60	64	1272	0.349 ug/L	95
9) Trichlorofluoromethane	1.77	101	4047	0.319 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2051	0.379 ug/L #	87
12) 1,1-Dichloroethene	2.14	96	1851	0.373 ug/L #	1
14) Carbon disulfide	2.32	76	4318	0.318 ug/L	97
15) Methyl Acetate	2.48	43	544	0.319 ug/L #	53
16) Methylene chloride	2.53	84	2036	0.395 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	4726	0.286 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	2510	0.340 ug/L	77
19) 1,1-Dichloroethane	3.23	63	3925	0.298 ug/L	98
21) 2-Butanone	4.06	43	3002	2.018 ug/L #	60
22) cis-1,2-Dichloroethene	3.97	96	2313	0.291 ug/L	100
23) Bromochloromethane	4.30	128	583	0.164 ug/L #	79

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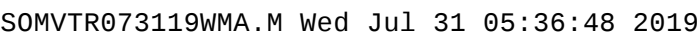
Instrument :
MSVOA_V
ClientSampleId :
MDL03

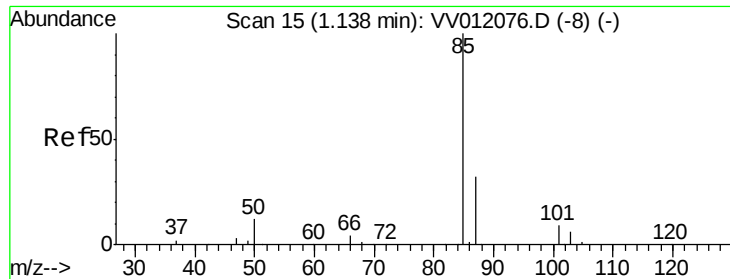
Quant Time: Jul 31 05:38:55 2019
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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.43	83	10300	0.603	ug/L	94
27) 1,2-Dichloroethane	5.19	62	3103	0.330	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	4208	0.294	ug/L	94
30) Cyclohexane	4.72	56	3142	0.288	ug/L	99
31) Carbon tetrachloride	4.88	117	3542	0.276	ug/L	97
33) Benzene	5.15	78	9280	0.317	ug/L	100
34) Trichloroethene	5.96	95	2560	0.304	ug/L	92
35) Methylcyclohexane	6.17	83	3573	0.280	ug/L	97
37) 1,2-Dichloropropane	6.22	63	2107	0.312	ug/L #	85
38) Bromodichloromethane	6.56	83	3168	0.319	ug/L #	83
39) cis-1,3-Dichloropropene	7.07	75	2971	0.282	ug/L #	81
40) 4-Methyl-2-pentanone	7.28	43	9688	2.633	ug/L #	84
42) Toluene	7.43	91	9574	0.300	ug/L	94
44) trans-1,3-Dichloropropene	7.69	75	2544	0.300	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	1562	0.310	ug/L	87
47) Tetrachloroethene	8.02	164	2060	0.269	ug/L	95
48) 2-Hexanone	8.19	43	8180	3.196	ug/L	96
49) Dibromochloromethane	8.29	129	1971	0.301	ug/L	86
50) 1,2-Dibromoethane	8.40	107	1420	0.294	ug/L #	92
51) Chlorobenzene	8.93	112	6797	0.314	ug/L	96
52) Ethylbenzene	9.05	91	10388	0.282	ug/L	93
53) m,p-xylene	9.18	106	3901	0.276	ug/L	79
54) o-xylene	9.59	106	3748	0.277	ug/L	90
55) Styrene	9.61	104	6155	0.268	ug/L	97
56) Isopropylbenzene	9.97	105	9561	0.255	ug/L #	96
58) 1,1,2,2-Tetrachloroethane	10.28	83	1699	0.305	ug/L #	96
59) 1,2,3-Trichloropropane	10.32	75	1475	0.351	ug/L	96
61) Bromoform	9.78	173	1018	0.313	ug/L #	83
62) 1,3-Dichlorobenzene	11.23	146	5534	0.328	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	5997	0.349	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	5437	0.357	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	279	0.341	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	4788	0.347	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	3475	0.312	ug/L	96
69) Naphthalene	13.56	128	4345	0.290	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	3119	0.314	ug/L	97

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

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#2

Dichlorodifluoromethane

Concen: 0.324 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

Instrument :

MSVOA_V

ClientSampleId :

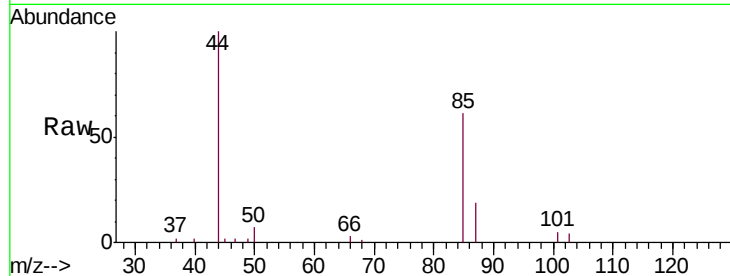
MDL03

Tgt Ion: 85 Resp: 4058

Ion Ratio Lower Upper

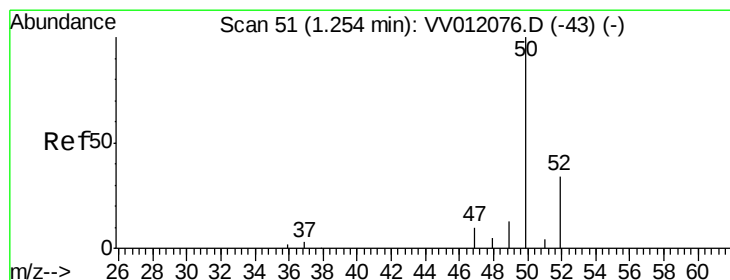
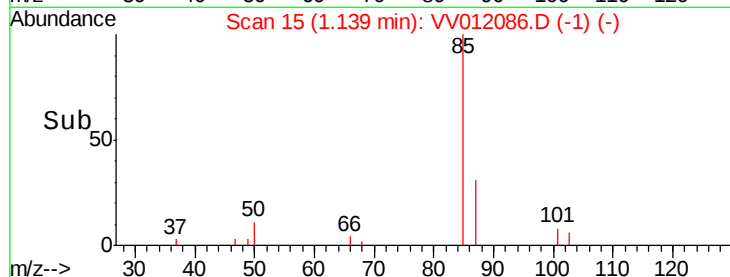
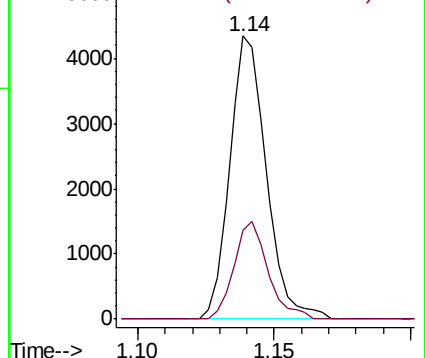
85 100

87 32.2 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: 0.315 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012086.D

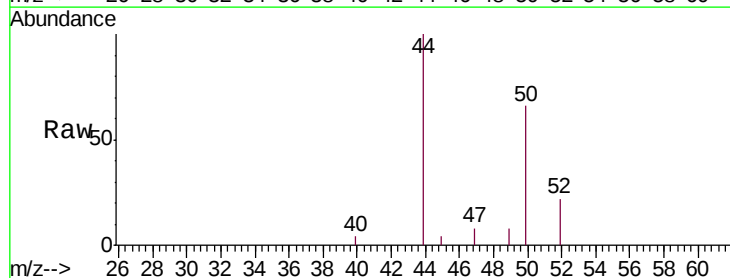
Acq: 30 Jul 2019 22:42

Tgt Ion: 50 Resp: 1888

Ion Ratio Lower Upper

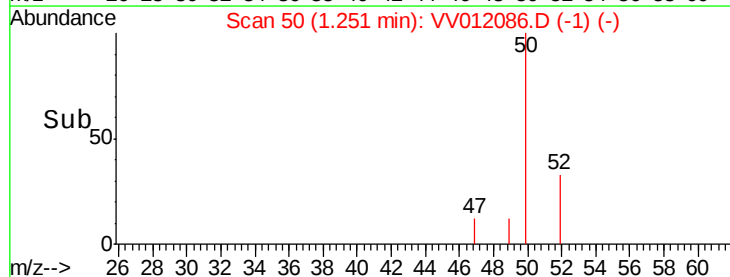
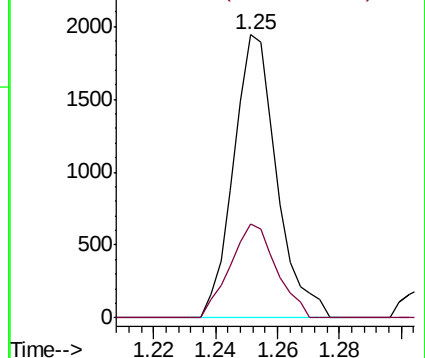
50 100

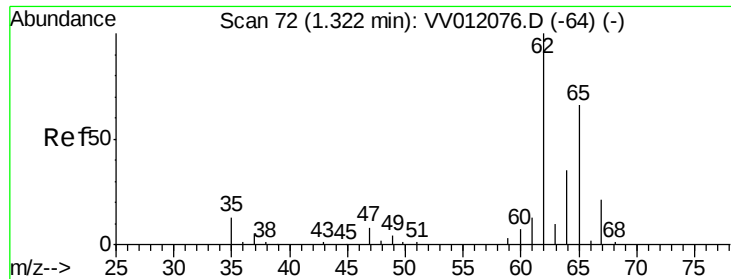
52 33.0 23.7 43.9



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: 0.329 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

Instrument :

MSVOA_V

ClientSampleId :

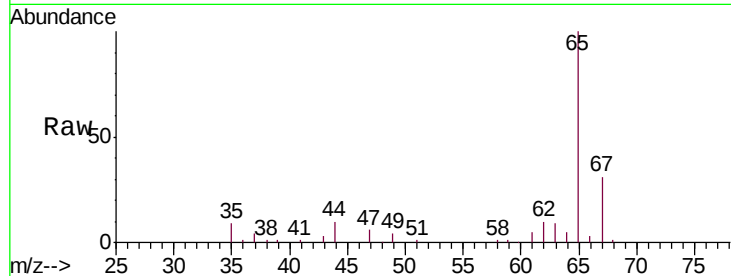
MDL03

Tgt Ion: 62 Resp: 2153

Ion Ratio Lower Upper

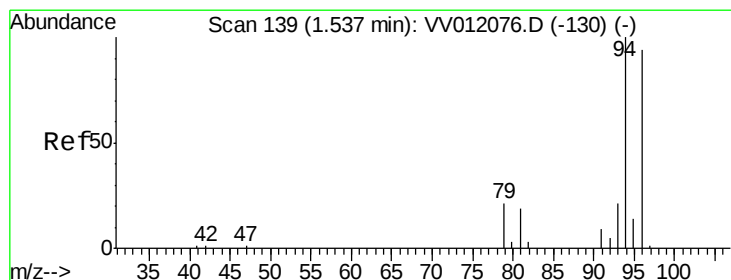
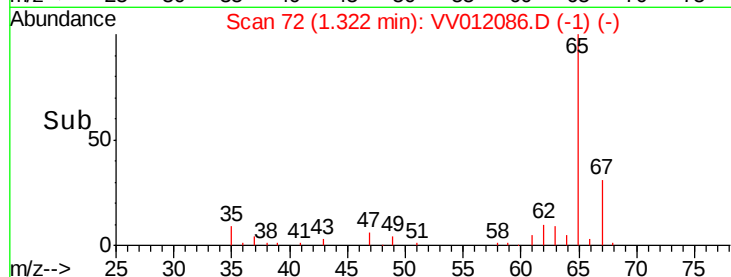
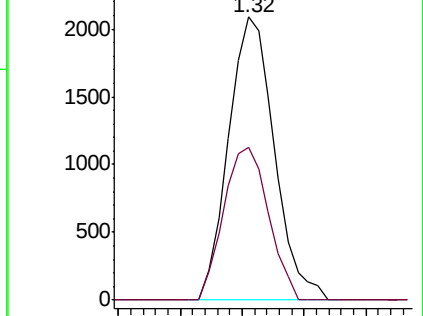
62 100

64 53.8 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: 0.298 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012086.D

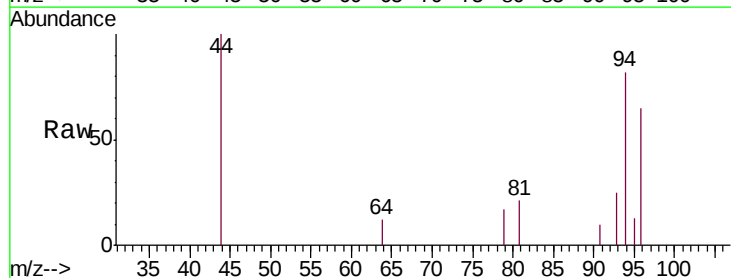
Acq: 30 Jul 2019 22:42

Tgt Ion: 94 Resp: 1208

Ion Ratio Lower Upper

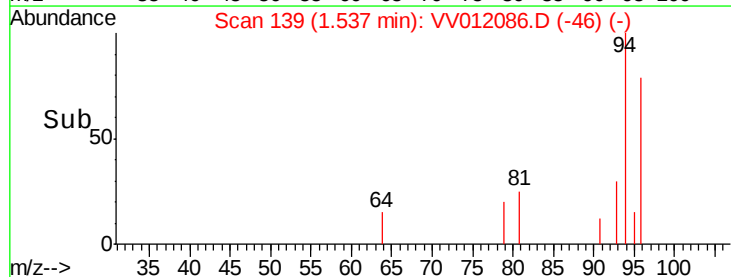
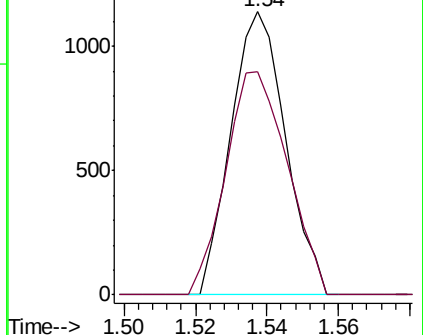
94 100

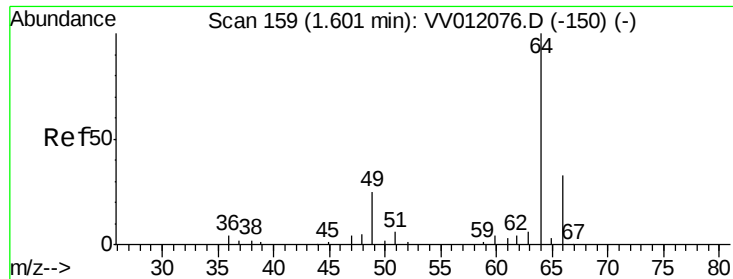
96 79.0 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.349 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

Instrument :

MSVOA_V

ClientSampled :

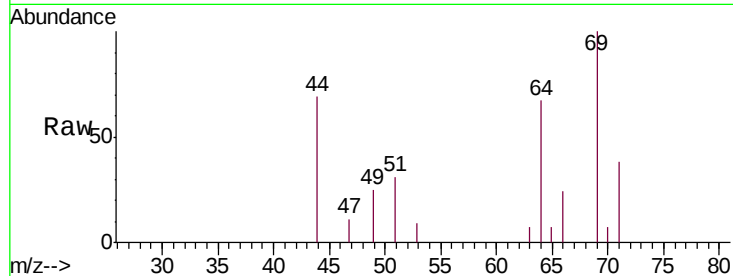
MDL03

Tgt Ion: 64 Resp: 1272

Ion Ratio Lower Upper

64 100

66 35.7 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) (-)

1.60

1000

800

600

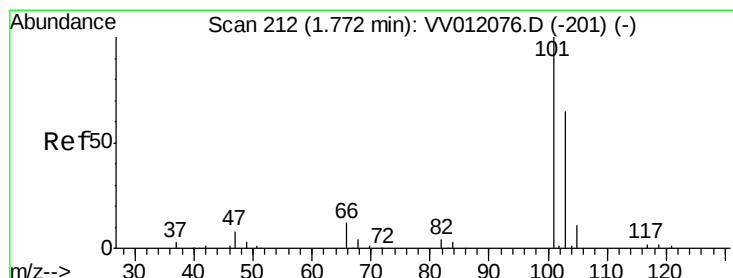
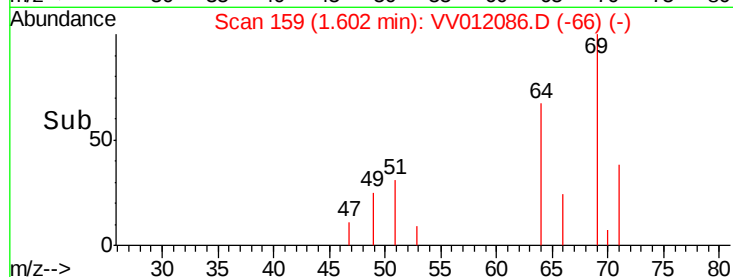
400

200

0

1.56 1.58 1.60 1.62 1.64

Time-->



#9

Trichlorofluoromethane

Concen: 0.319 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012086.D

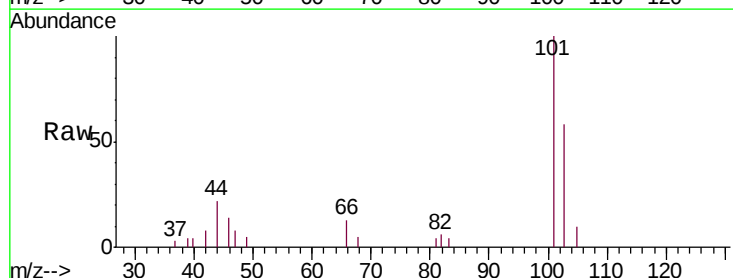
Acq: 30 Jul 2019 22:42

Tgt Ion: 101 Resp: 4047

Ion Ratio Lower Upper

101 100

103 62.8 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) (-)

1.77

3000

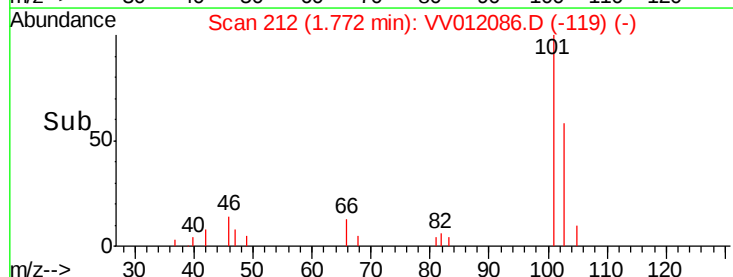
2000

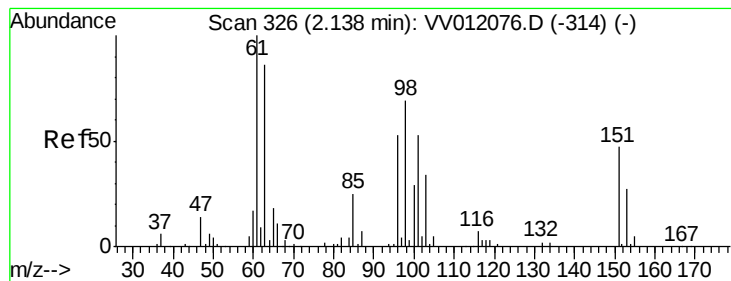
1000

0

1.75 1.80

Time-->





#10

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

Concen: 0.379 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

Instrument :

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ClientSampleId :

MDL03

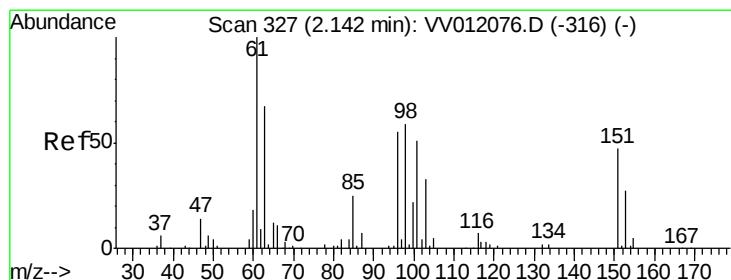
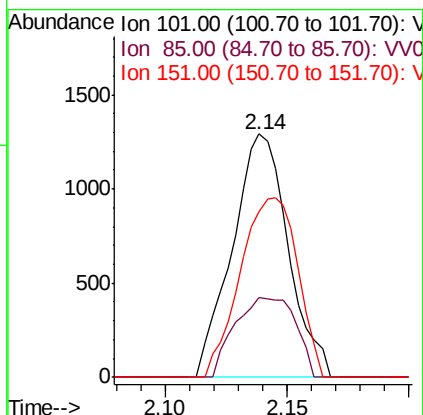
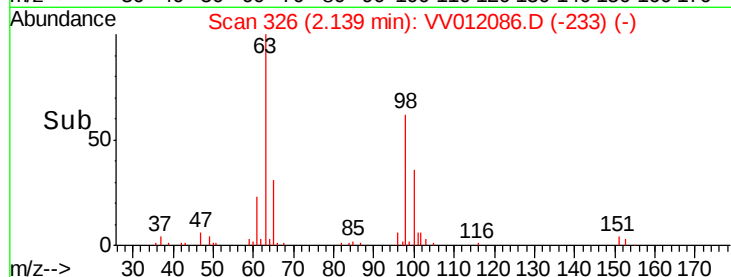
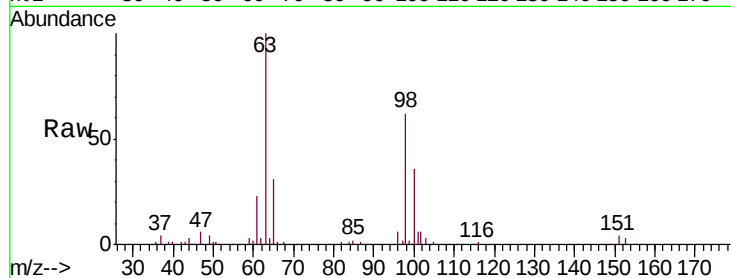
Tgt Ion: 101 Resp: 2051

Ion Ratio Lower Upper

101 100

85 35.6 37.4 56.2#

151 75.9 69.1 103.7



#12

1,1-Dichloroethene

Concen: 0.373 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

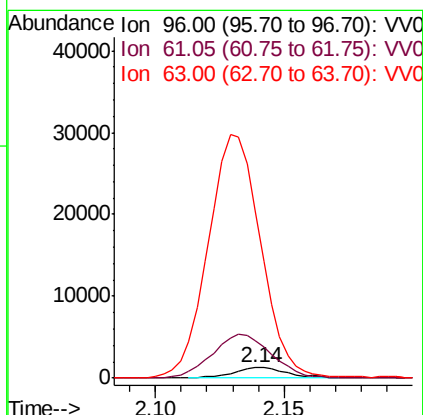
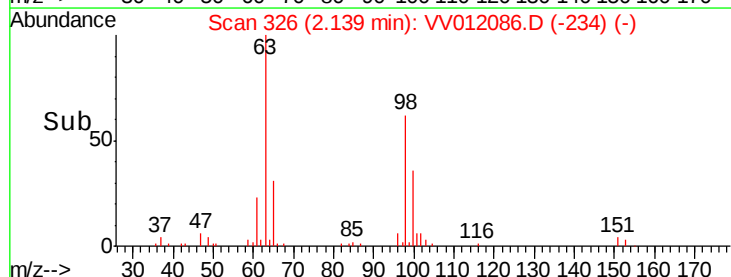
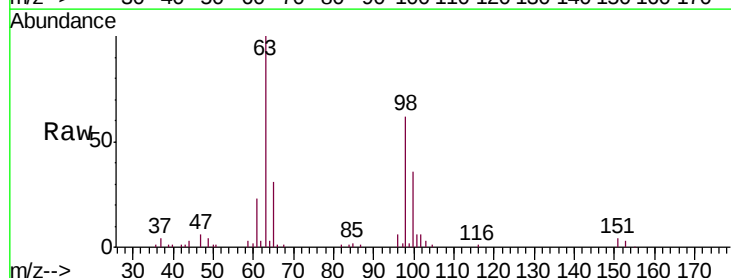
Tgt Ion: 96 Resp: 1851

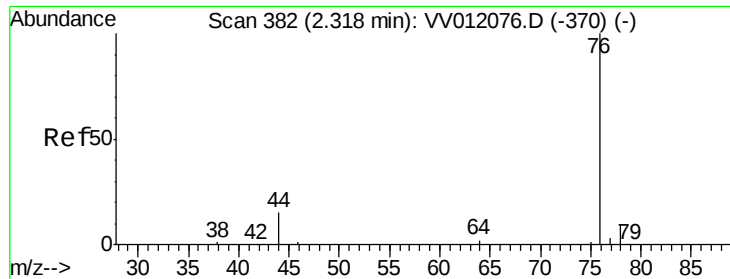
Ion Ratio Lower Upper

96 100

61 376.5 126.9 235.7#

63 1658.2 87.6 162.8#





#14

Carbon disulfide

Concen: 0.318 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

Instrument :

MSVOA_V

ClientSampled :

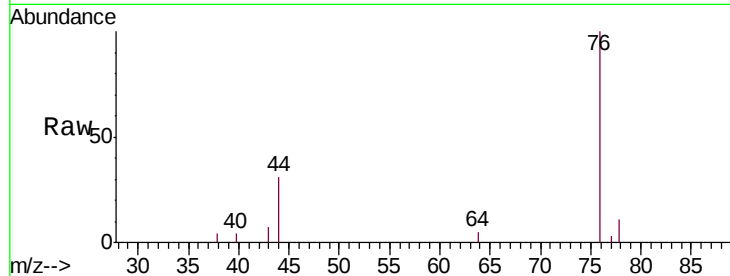
MDL03

Tgt Ion: 76 Resp: 4318

Ion Ratio Lower Upper

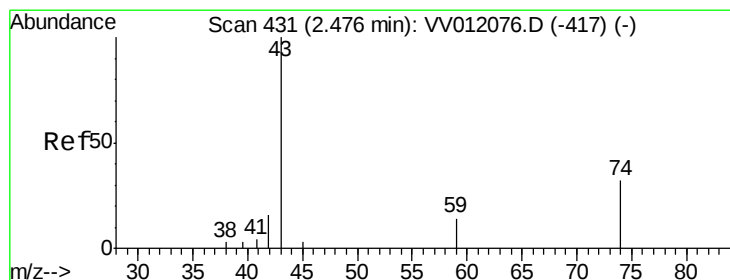
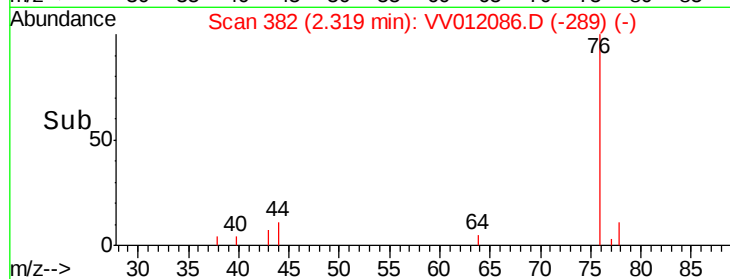
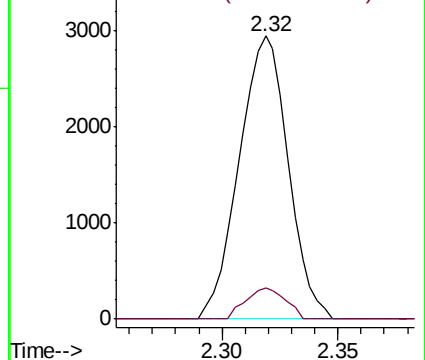
76 100

78 11.0 7.9 11.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 0.319 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.00 min

Lab File: VV012086.D

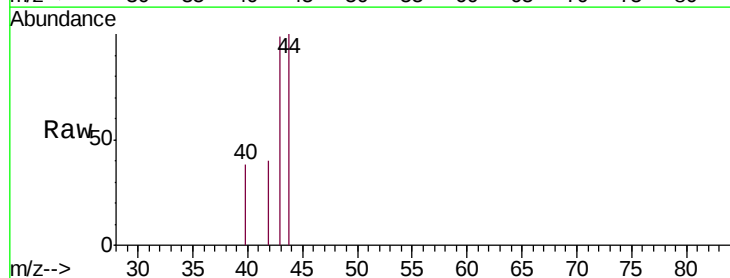
Acq: 30 Jul 2019 22:42

Tgt Ion: 43 Resp: 544

Ion Ratio Lower Upper

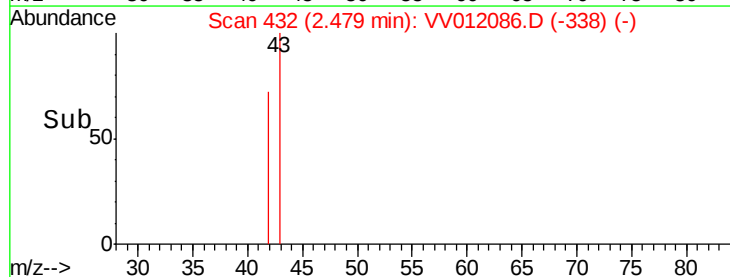
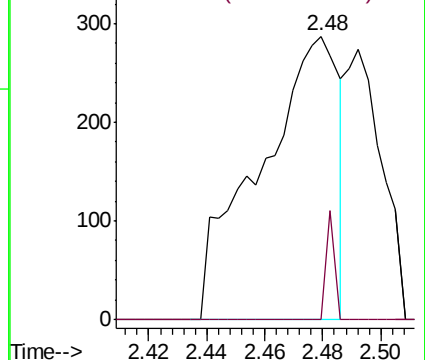
43 100

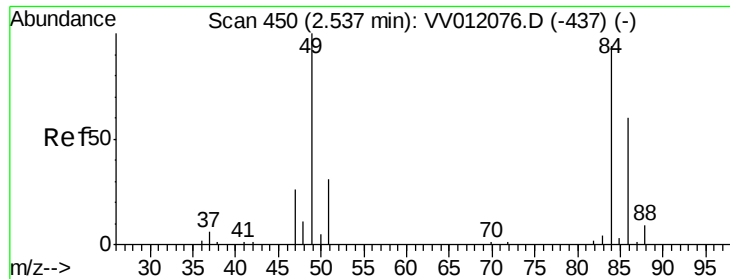
74 3.9 23.4 35.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

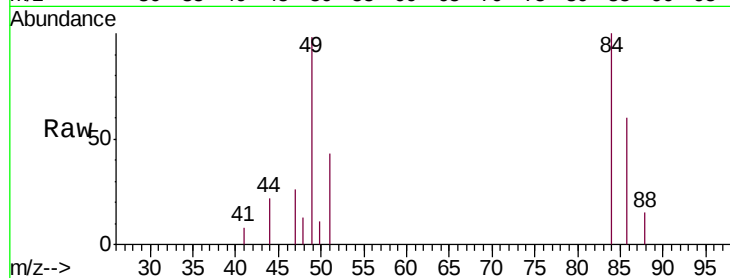




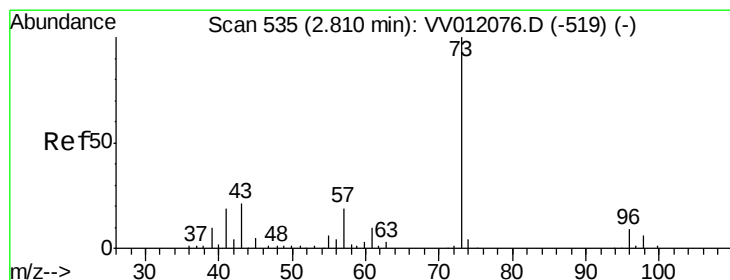
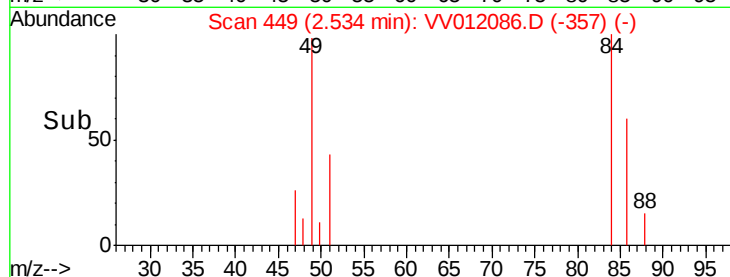
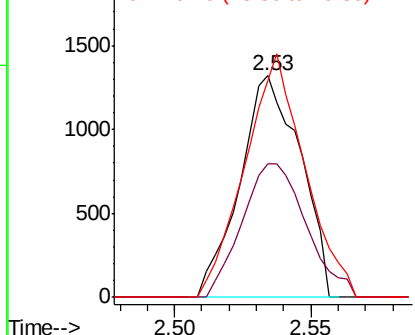
#16
Methylene chloride
Concen: 0.395 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion: 84 Resp: 2036
Ion Ratio Lower Upper
84 100
86 60.5 45.0 83.6
49 109.4 74.4 138.2

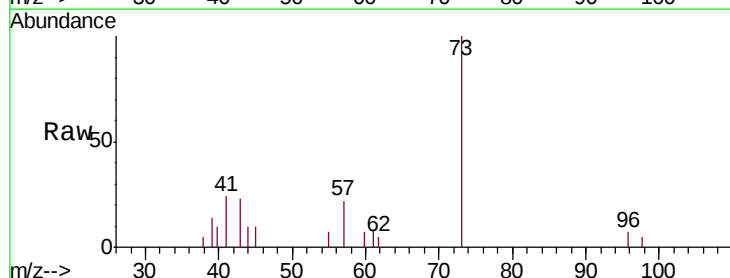


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

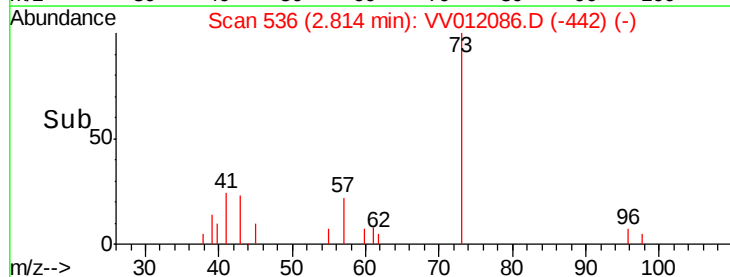
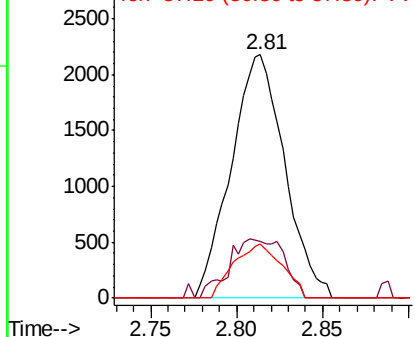


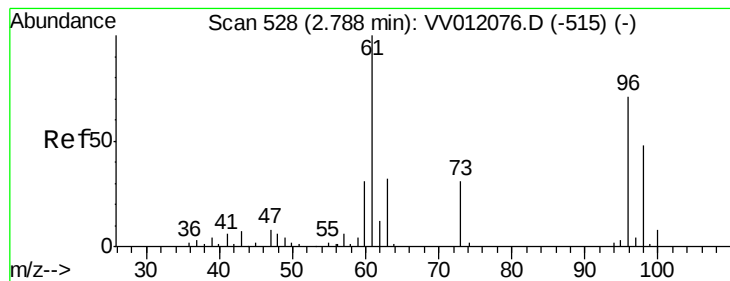
#17
Methyl tert-butyl Ether
Concen: 0.286 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

Tgt Ion: 73 Resp: 4726
Ion Ratio Lower Upper
73 100
43 25.1 17.2 25.8
57 20.1 15.1 22.7



Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0





#18

trans-1,2-Dichloroethene

Concen: 0.340 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

Instrument :

MSVOA_V

ClientSampleId :

MDL03

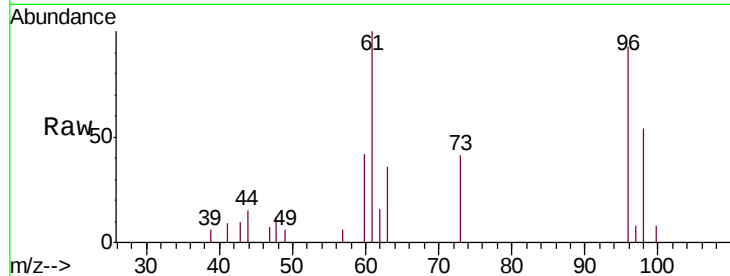
Tgt Ion: 96 Resp: 2510

Ion Ratio Lower Upper

96 100

61 107.2 99.0 184.0

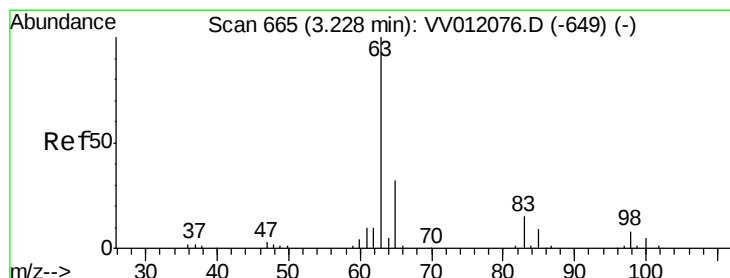
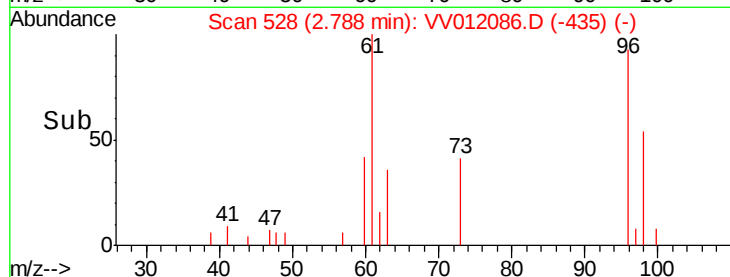
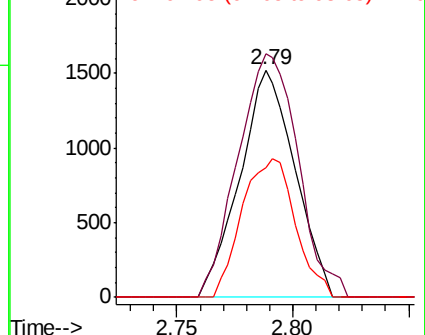
98 57.4 47.9 88.9



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#19

1,1-Dichloroethane

Concen: 0.298 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

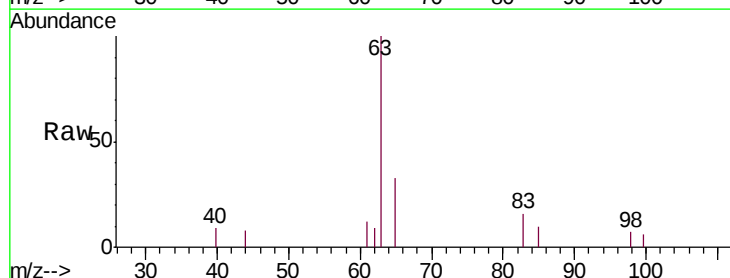
Tgt Ion: 63 Resp: 3925

Ion Ratio Lower Upper

63 100

65 33.1 22.3 41.3

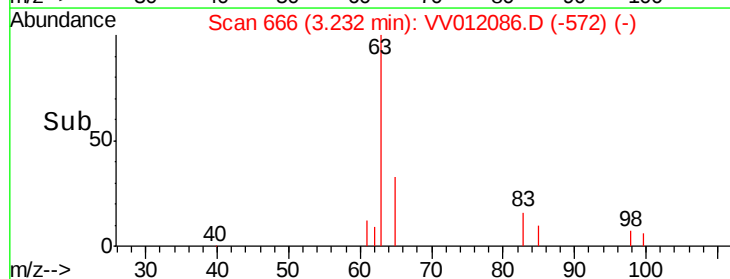
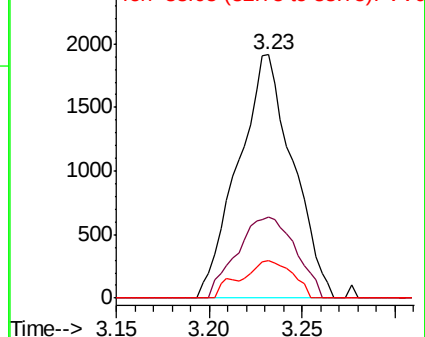
83 15.6 10.4 19.2

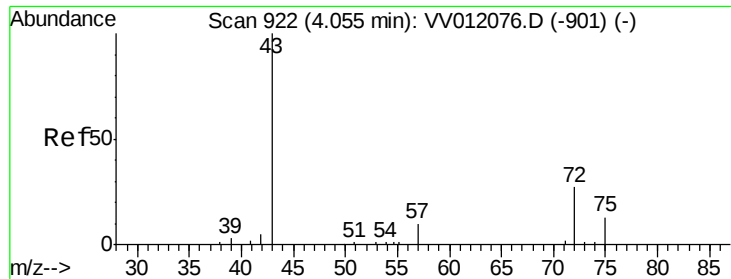


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0





#21

2-Butanone

Concen: 2.018 ug/L

RT: 4.06 min Scan# 923

Delta R.T. 0.00 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

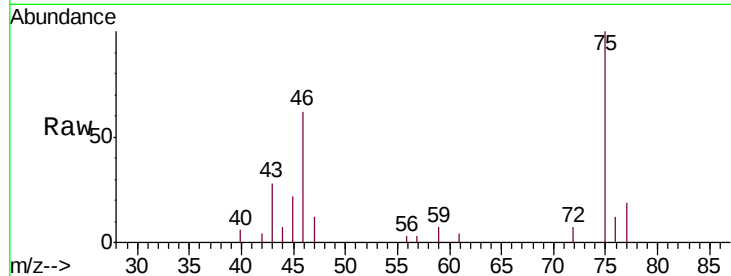
Instrument :
MSVOA_V
ClientSampled :
MDL03

Tgt Ion: 43 Resp: 3002

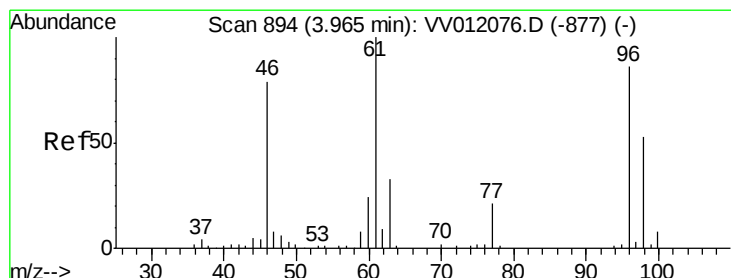
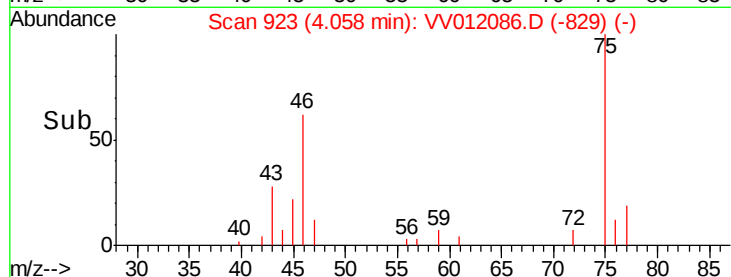
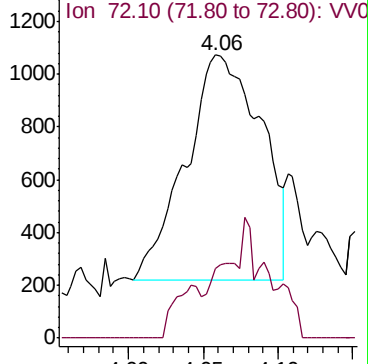
Ion Ratio Lower Upper

43 100

72 7.2 14.0 42.0#



Abundance Ion 43.05 (42.75 to 43.75): VV012076.D (-901) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.291 ug/L

RT: 3.97 min Scan# 896

Delta R.T. 0.01 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

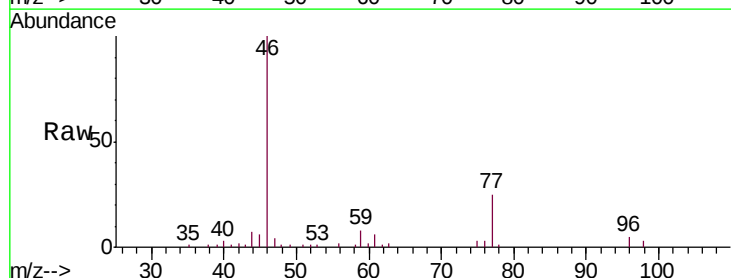
Tgt Ion: 96 Resp: 2313

Ion Ratio Lower Upper

96 100

61 116.0 81.5 151.5

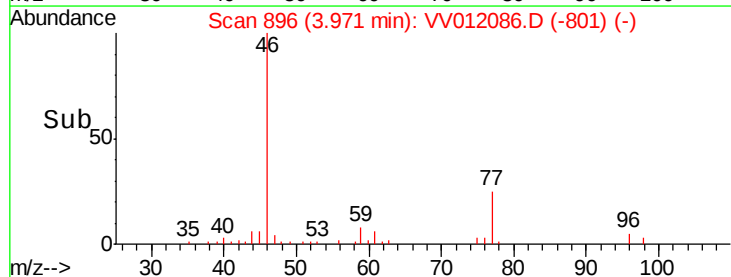
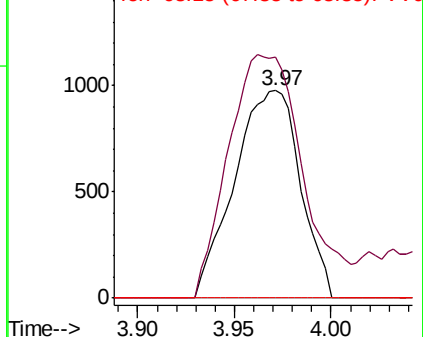
68 0.0 0.0 0.0

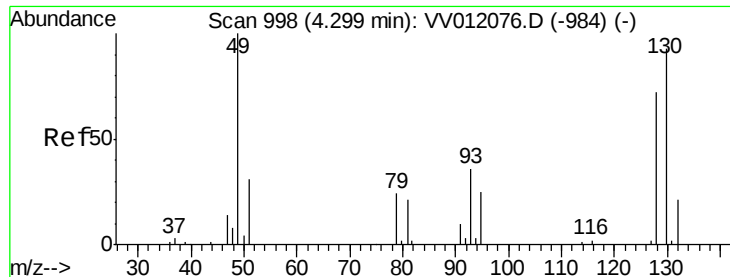


Abundance Ion 96.00 (95.70 to 96.70): VV012076.D (-877) (-)

Ion 61.05 (60.75 to 61.75): VV012076.D (-877) (-)

Ion 68.15 (67.85 to 68.85): VV012076.D (-877) (-)





#23

Bromochloromethane

Concen: 0.164 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tgt Ion:128 Resp: 583

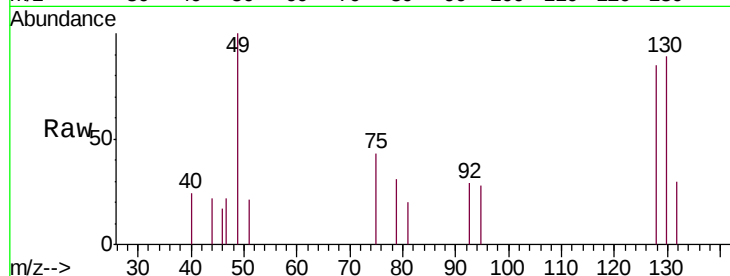
Ion Ratio Lower Upper

128 100

49 117.3 97.9 181.7

130 104.8 90.9 168.9

51 25.1 34.6 51.8#

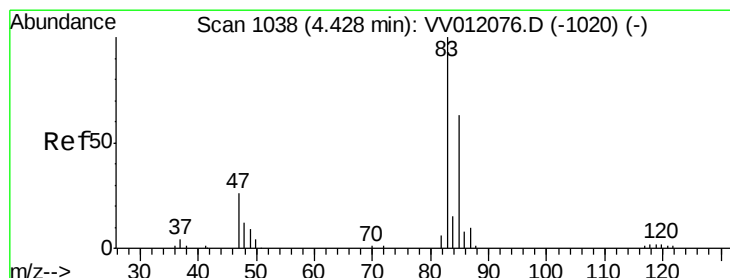
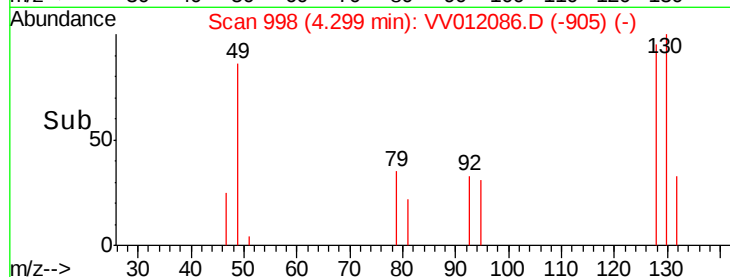
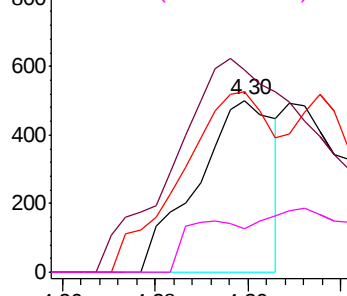


Abundance Ion 127.90 (127.60 to 128.60): V

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: 0.603 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012086.D

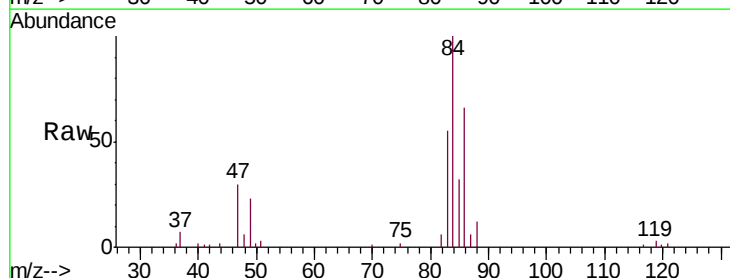
Acq: 30 Jul 2019 22:42

Tgt Ion: 83 Resp: 10300

Ion Ratio Lower Upper

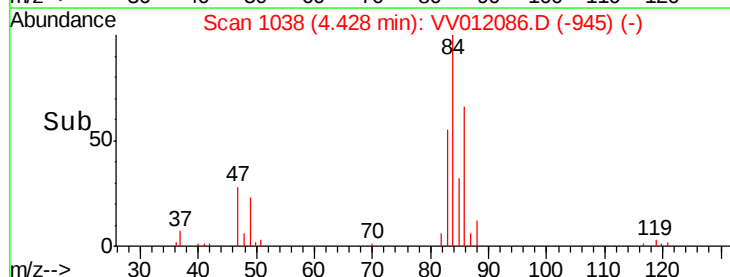
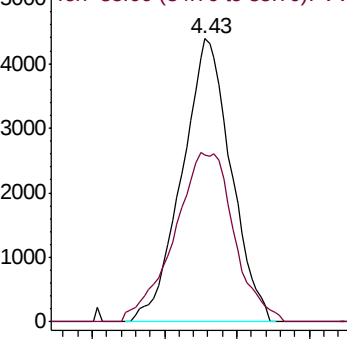
83 100

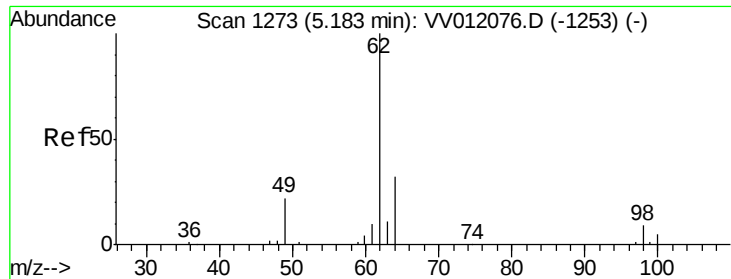
85 59.1 44.7 83.1



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

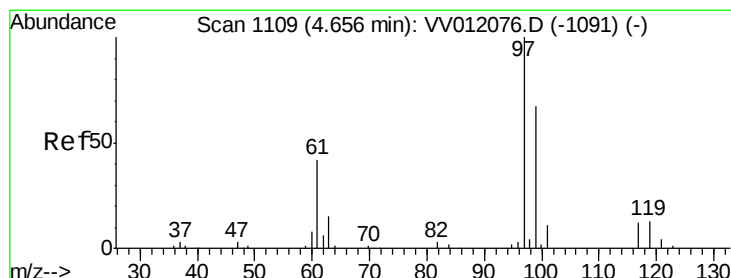
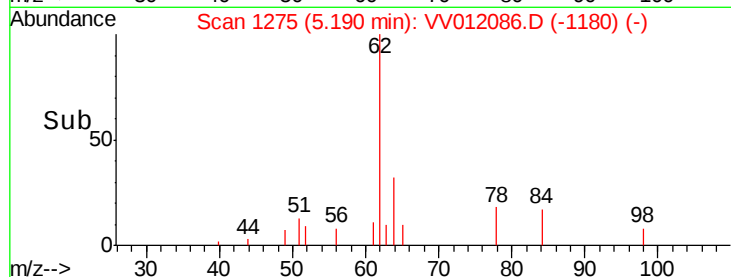
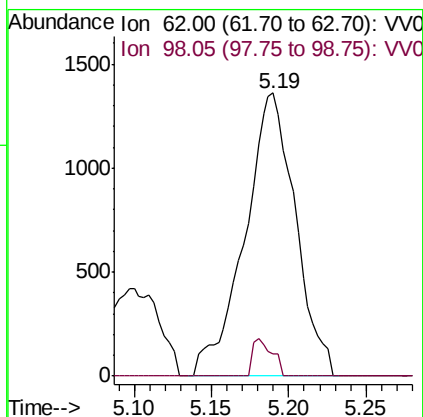
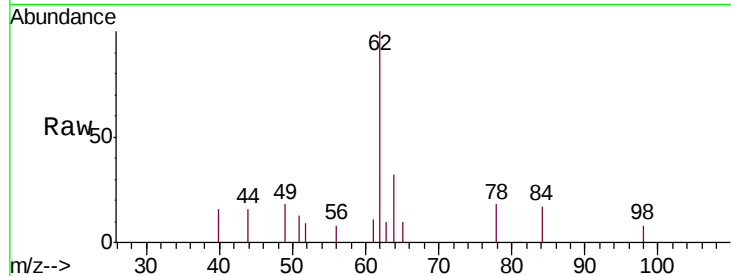




#27
 1,2-Dichloroethane
 Concen: 0.330 ug/L
 RT: 5.19 min Scan# 1275
 Delta R.T. 0.01 min
 Lab File: VV012086.D
 Acq: 30 Jul 2019 22:42

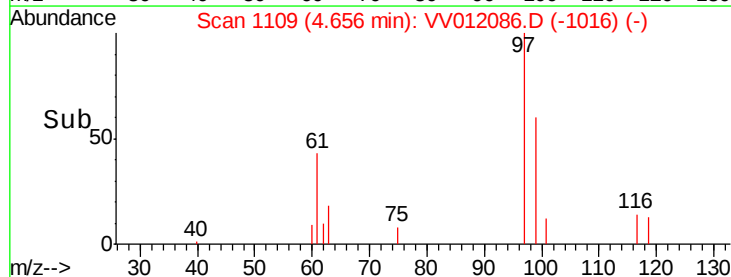
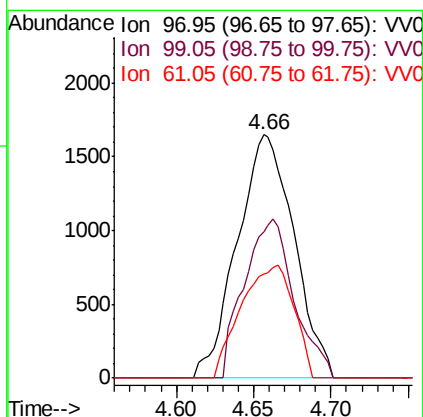
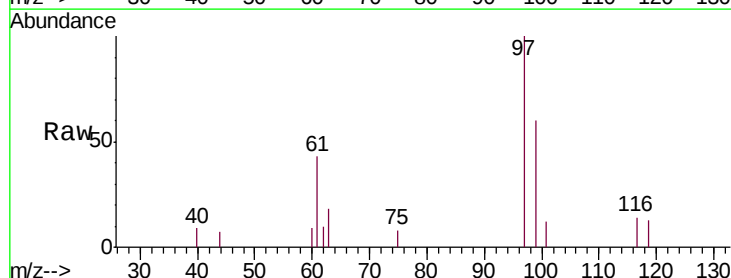
Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

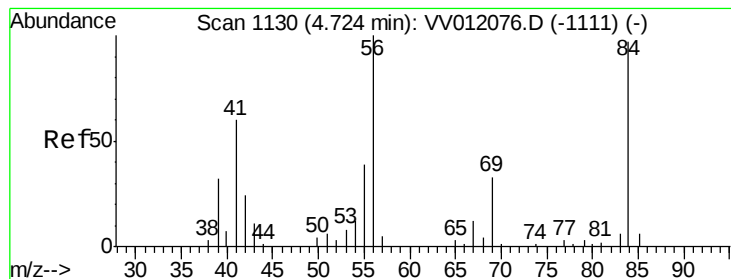
Tgt Ion: 62 Resp: 3103
 Ion Ratio Lower Upper
 62 100
 98 7.9 7.3 10.9



#29
 1,1,1-Trichloroethane
 Concen: 0.294 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012086.D
 Acq: 30 Jul 2019 22:42

Tgt Ion: 97 Resp: 4208
 Ion Ratio Lower Upper
 97 100
 99 57.2 51.7 77.5
 61 43.1 34.2 51.2

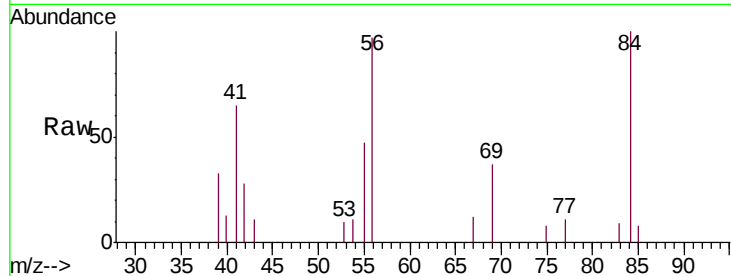




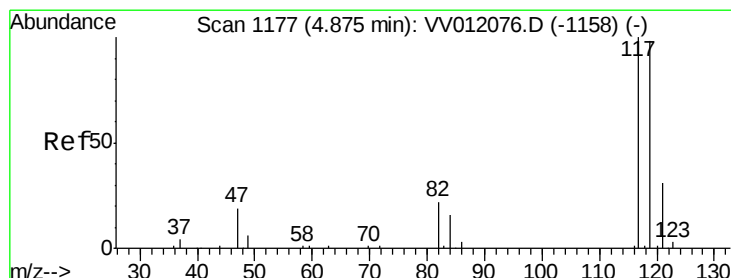
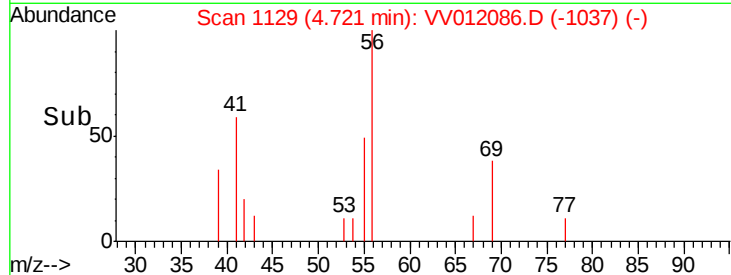
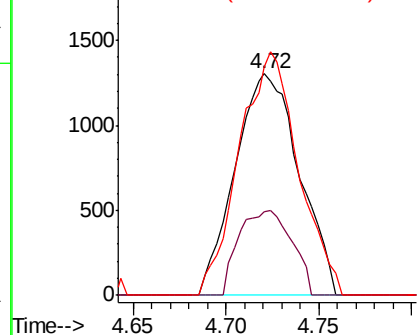
#30
Cyclohexane
Concen: 0.288 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion: 56 Resp: 3142
Ion Ratio Lower Upper
56 100
69 31.6 26.0 39.0
84 101.3 79.9 119.9

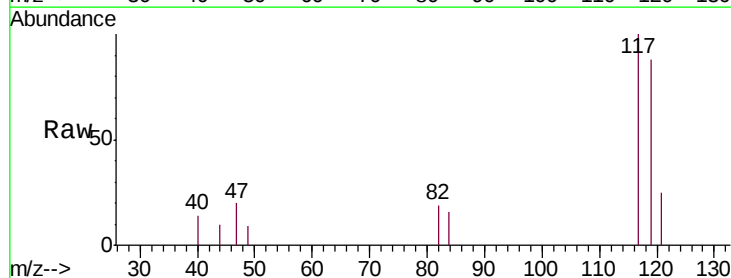


Abundance Ion 56.10 (55.80 to 56.80): VV012086.D (-1129) (-)
Ion 69.15 (68.85 to 69.85): VV012086.D (-1129) (-)
Ion 84.15 (83.85 to 84.85): VV012086.D (-1129) (-)

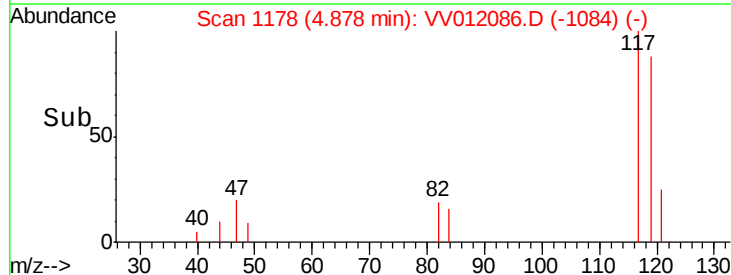
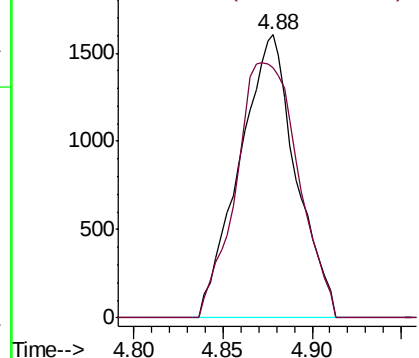


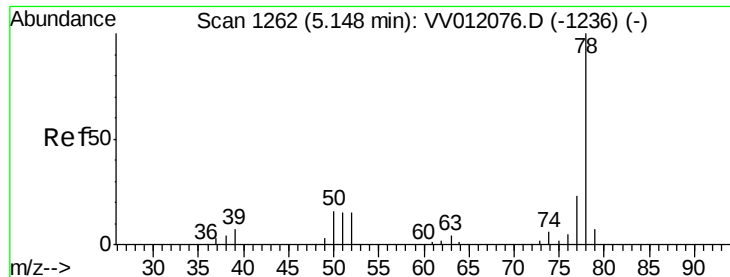
#31
Carbon tetrachloride
Concen: 0.276 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

Tgt Ion: 117 Resp: 3542
Ion Ratio Lower Upper
117 100
119 99.7 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): VV012086.D (-1177) (-)
Ion 118.90 (118.60 to 119.60): VV012086.D (-1177) (-)

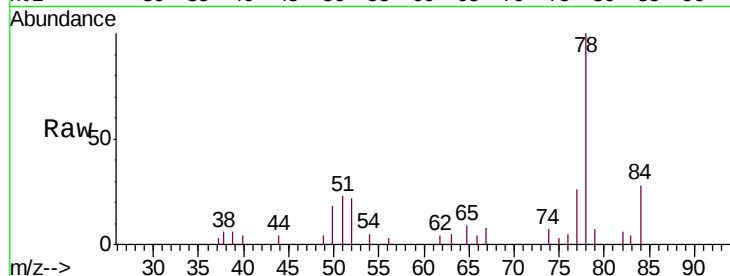




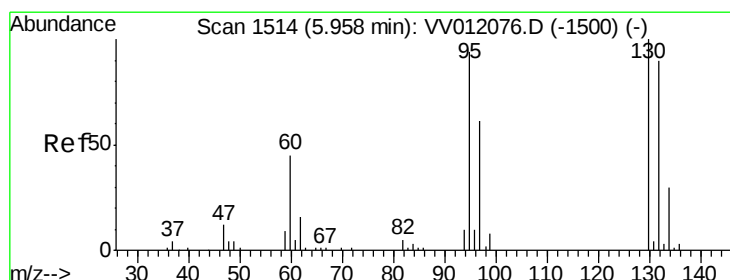
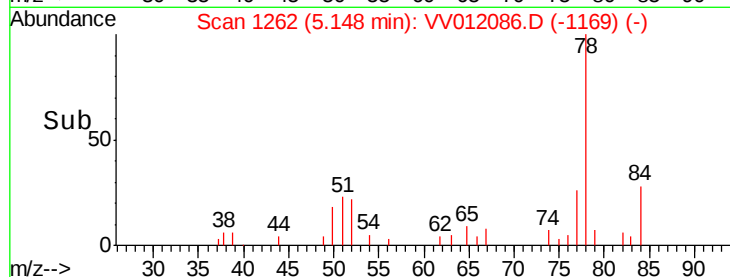
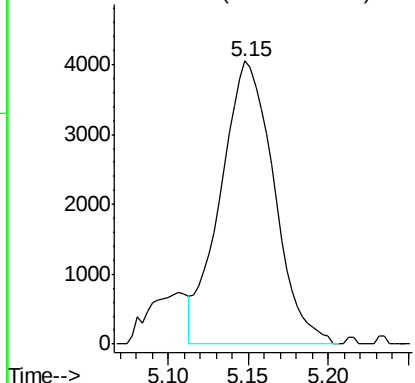
#33
Benzene
Concen: 0.317 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion: 78 Resp: 9280



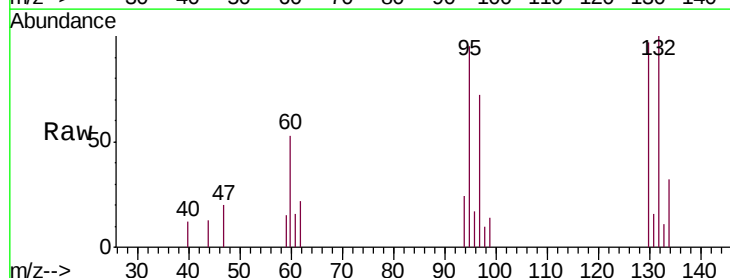
Abundance Ion 78.10 (77.80 to 78.80): VV0



#34
Trichloroethene
Concen: 0.304 ug/L
RT: 5.96 min Scan# 1516
Delta R.T. 0.01 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

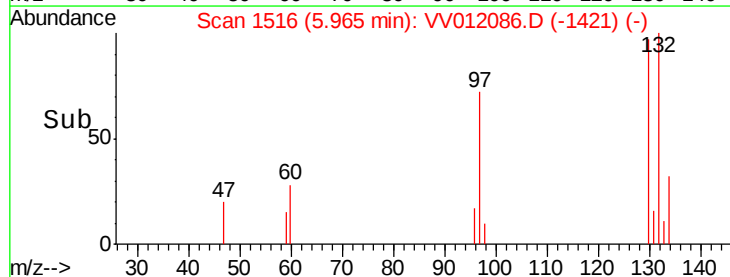
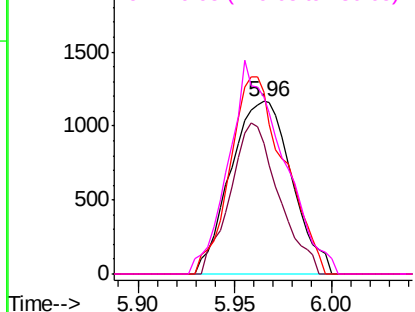
Tgt Ion: 95 Resp: 2560

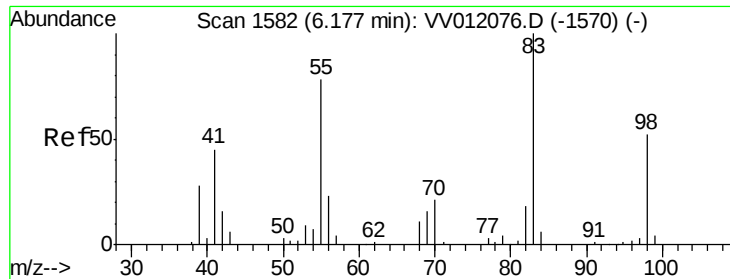
Ion	Ratio	Lower	Upper
95	100		
97	75.8	45.4	84.2
132	105.5	67.0	124.4
130	102.3	74.3	137.9



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

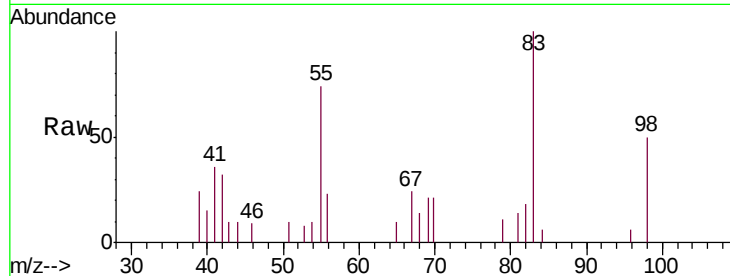




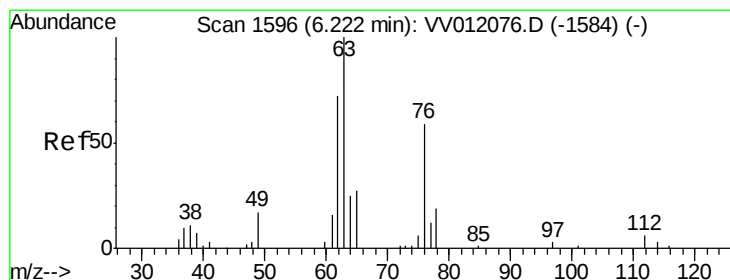
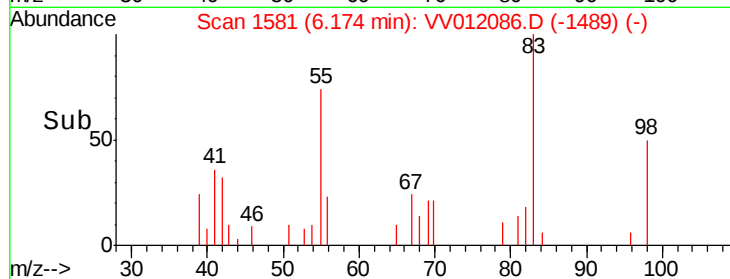
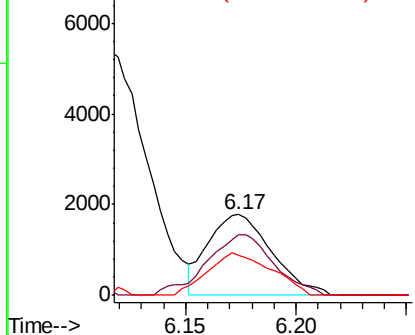
#35
Methylcyclohexane
Concen: 0.280 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion: 83 Resp: 3573
Ion Ratio Lower Upper
83 100
55 78.5 59.9 89.9
98 52.3 40.8 61.2

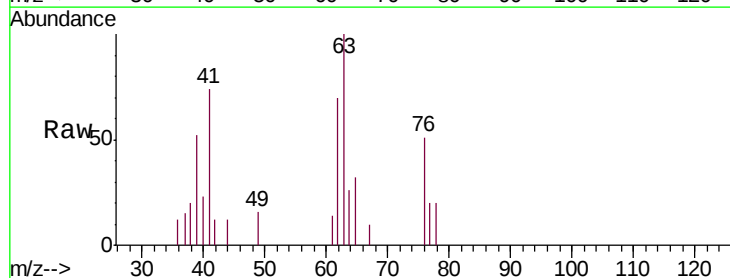


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

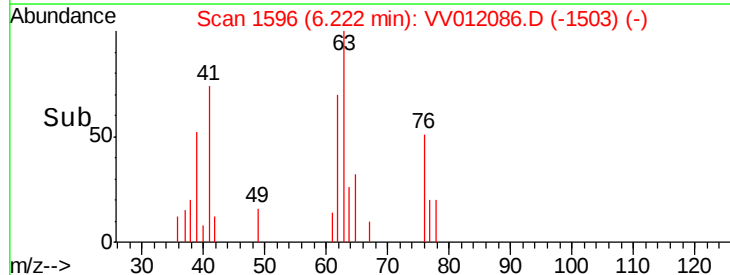
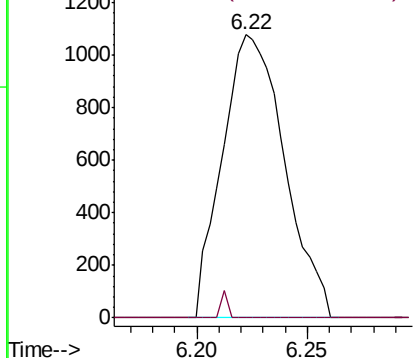


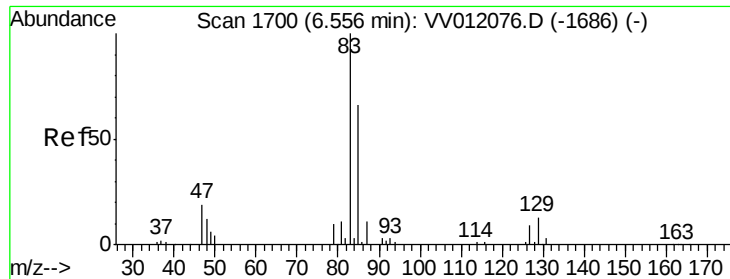
#37
1,2-Dichloropropane
Concen: 0.312 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

Tgt Ion: 63 Resp: 2107
Ion Ratio Lower Upper
63 100
112 0.9 4.7 7.1#



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

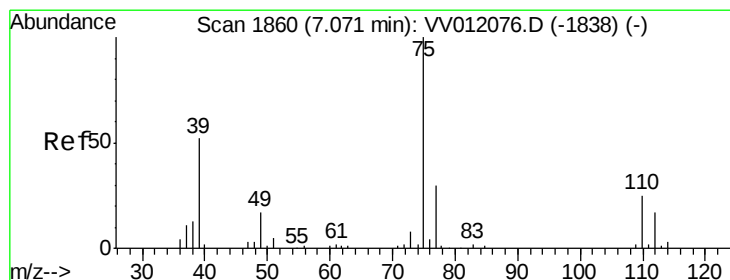
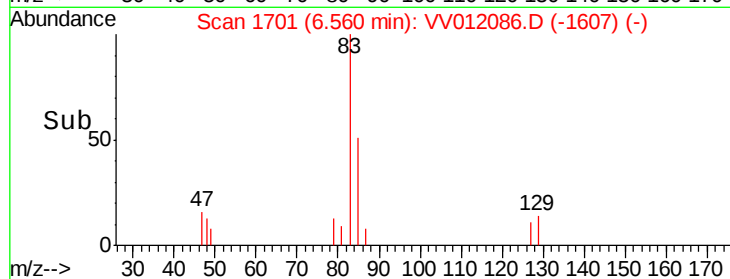
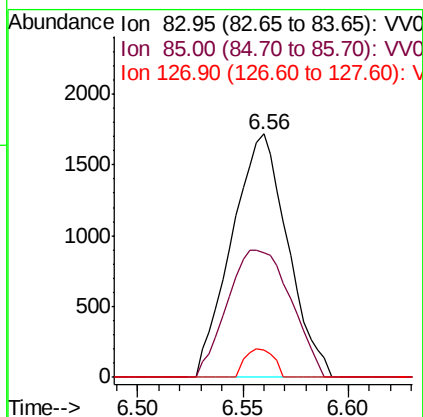
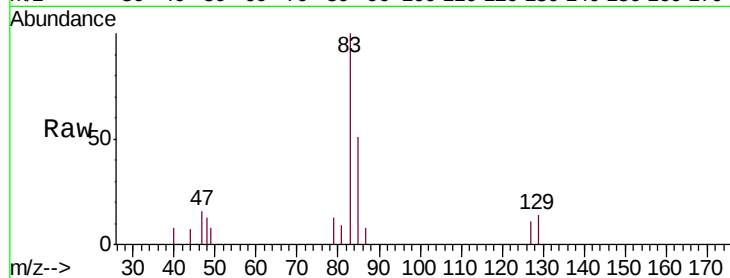




#38
 Bromodichloromethane
 Concen: 0.319 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV012086.D
 Acq: 30 Jul 2019 22:42

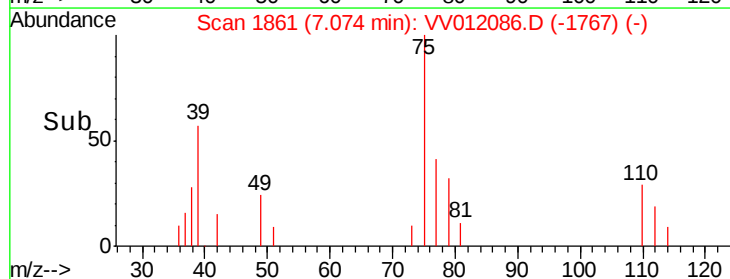
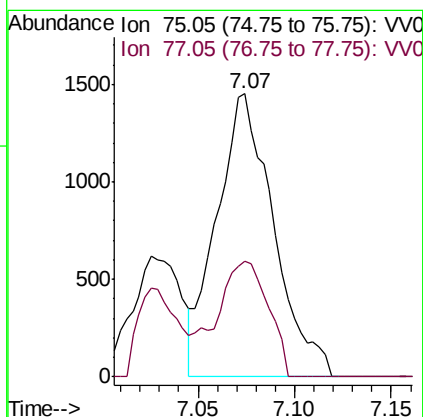
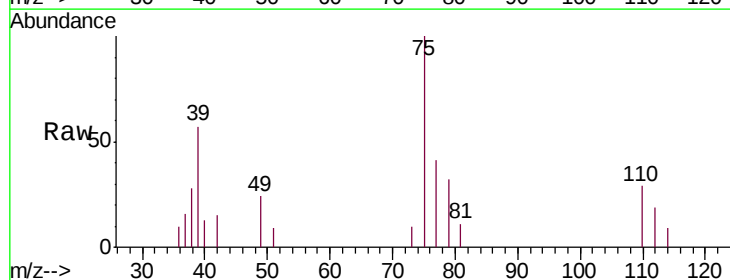
Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

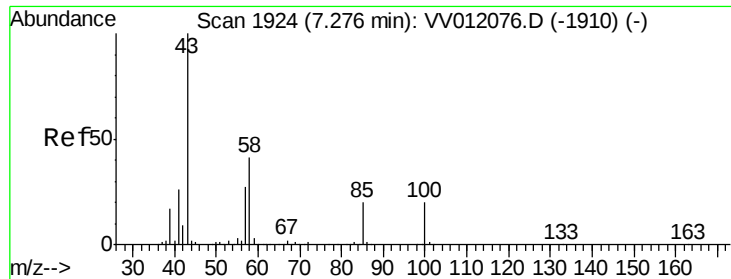
Tgt Ion: 83 Resp: 3168
 Ion Ratio Lower Upper
 83 100
 85 51.3 46.2 85.8
 127 11.1 7.2 10.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.282 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012086.D
 Acq: 30 Jul 2019 22:42

Tgt Ion: 75 Resp: 2971
 Ion Ratio Lower Upper
 75 100
 77 40.7 21.3 39.5#

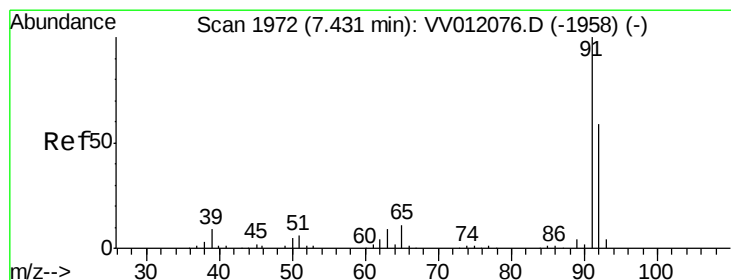
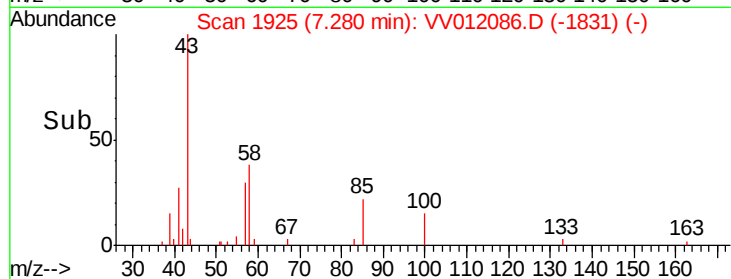
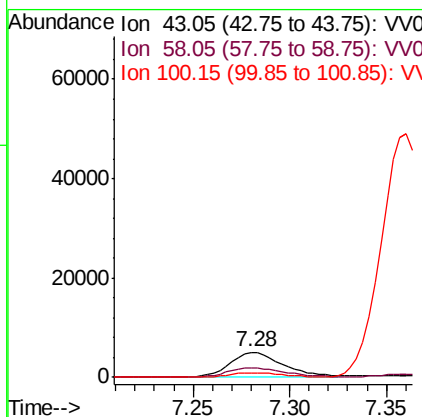
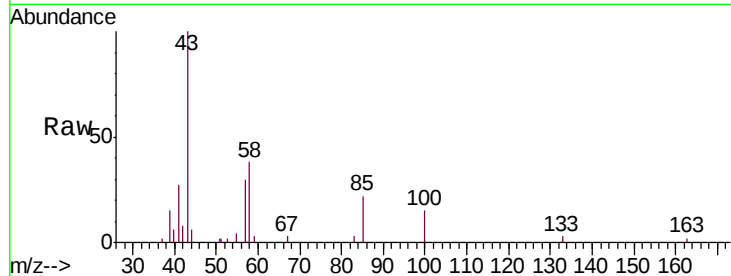




#40
4-Methyl-2-pentanone
Concen: 2.633 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

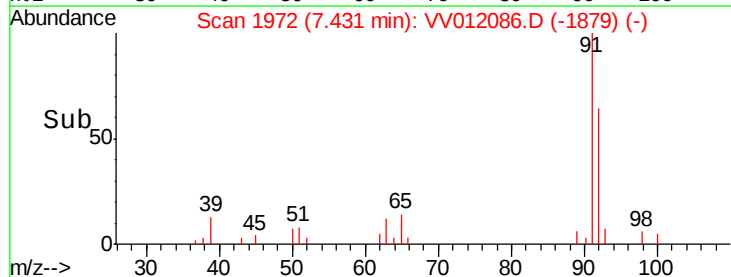
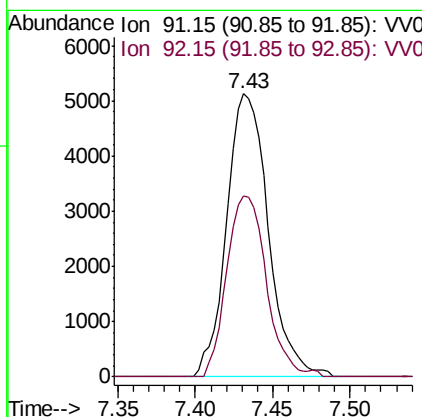
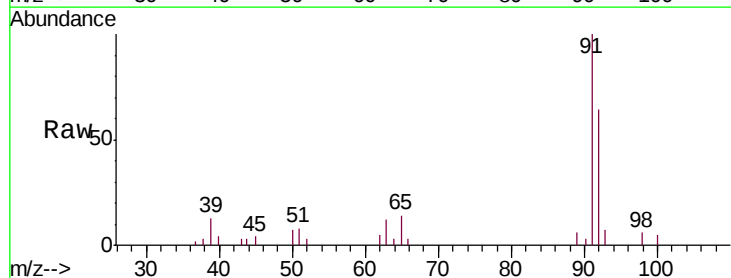
Instrument :
MSVOA_V
ClientSampleId :
MDL03

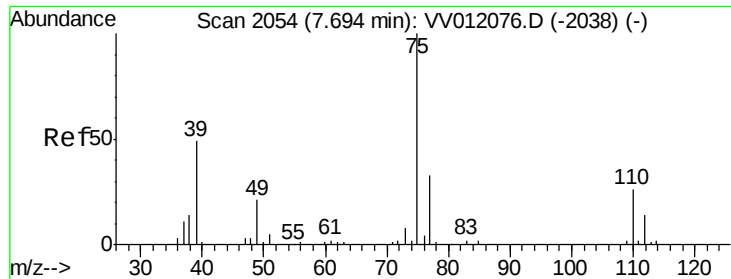
Tgt Ion: 43 Resp: 9688
Ion Ratio Lower Upper
43 100
58 41.8 31.8 47.6
100 0.0 15.0 22.4#



#42
Toluene
Concen: 0.300 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

Tgt Ion: 91 Resp: 9574
Ion Ratio Lower Upper
91 100
92 64.1 41.6 77.2

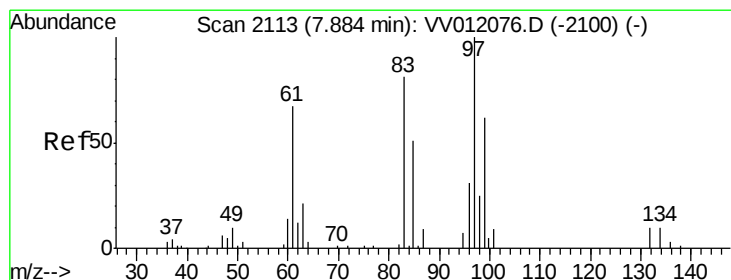
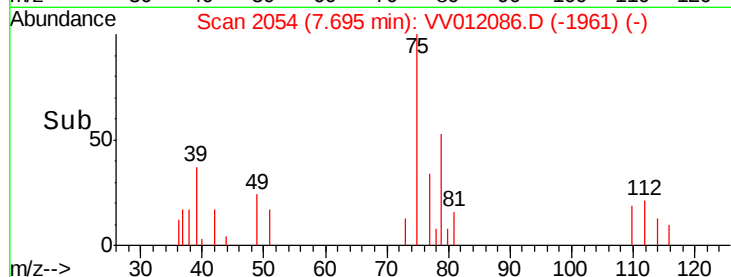
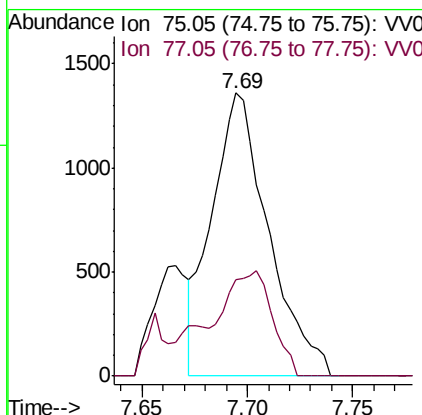
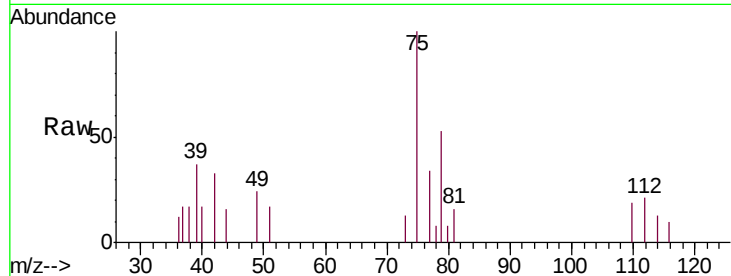




#44
trans-1,3-Dichloropropene
Concen: 0.300 ug/L
RT: 7.69 min Scan# 2054
Delta R.T. 0.00 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

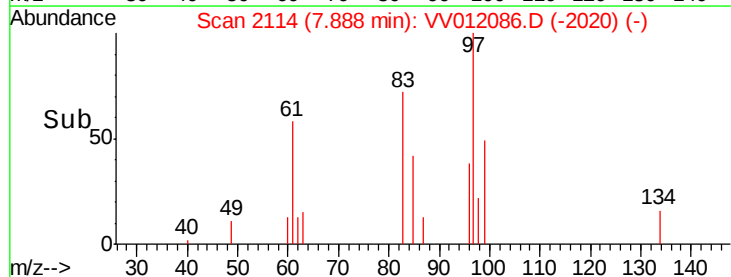
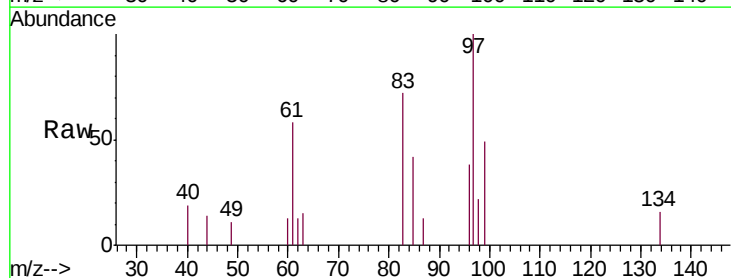
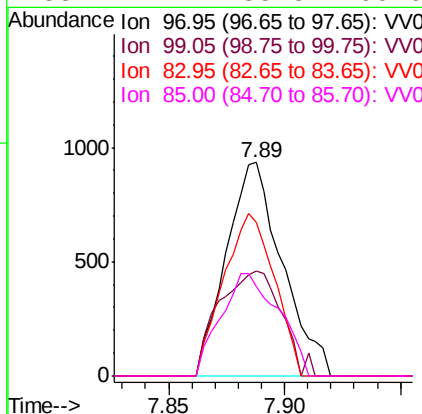
Instrument :
MSVOA_V
ClientSampled :
MDL03

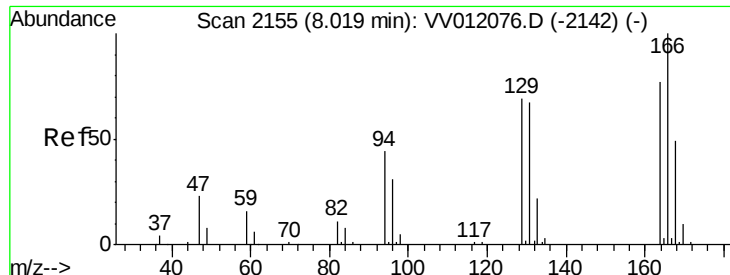
Tgt Ion: 75 Resp: 2544
Ion Ratio Lower Upper
75 100
77 34.3 22.8 42.4



#45
1,1,2-Trichloroethane
Concen: 0.310 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

Tgt Ion: 97 Resp: 1562
Ion Ratio Lower Upper
97 100
99 49.1 43.3 80.3
83 71.8 56.6 105.0
85 41.7 35.8 66.6

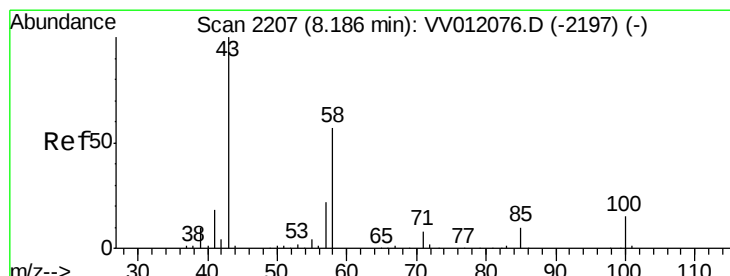
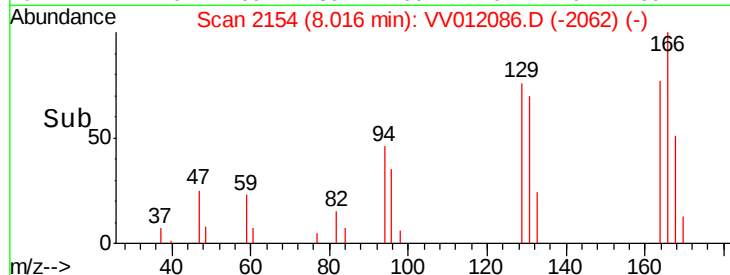
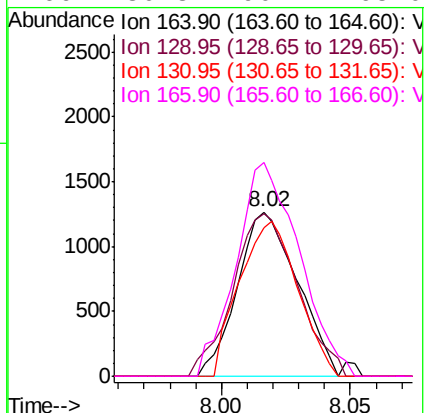
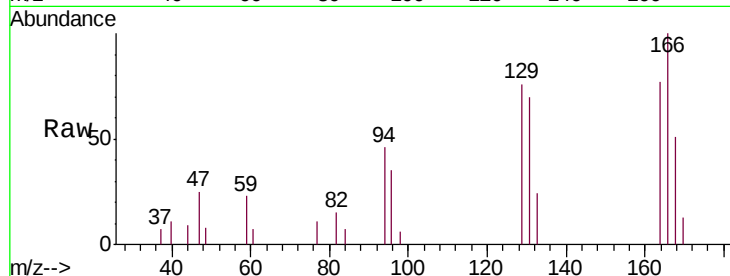




#47
Tetrachloroethene
Concen: 0.269 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

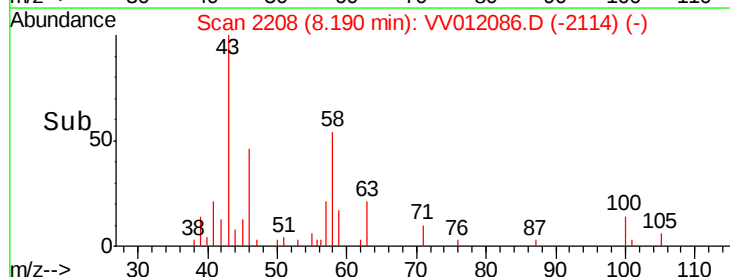
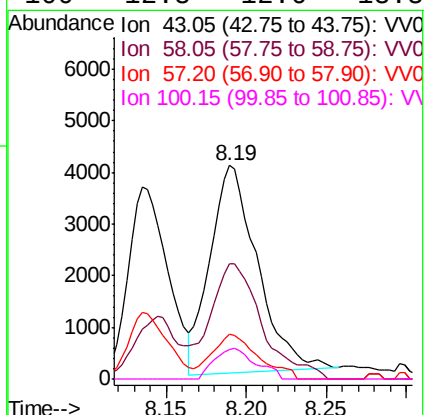
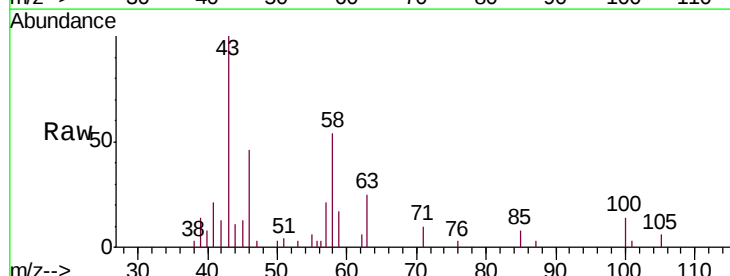
Instrument :
MSVOA_V
ClientSampleId :
MDL03

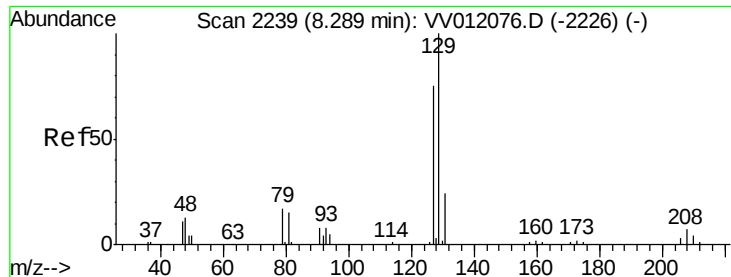
Tgt Ion:164 Resp: 2060
Ion Ratio Lower Upper
164 100
129 98.9 62.5 116.1
131 91.0 60.9 113.1
166 130.3 90.4 168.0



#48
2-Hexanone
Concen: 3.196 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

Tgt Ion: 43 Resp: 8180
Ion Ratio Lower Upper
43 100
58 60.6 45.7 68.5
57 21.2 17.0 25.4
100 12.8 12.6 18.8





#49

Dibromochloromethane

Concen: 0.301 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

Instrument :

MSVOA_V

ClientSampleId :

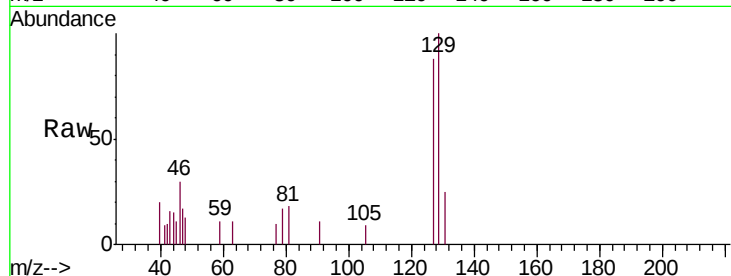
MDL03

Tgt Ion:129 Resp: 1971

Ion Ratio Lower Upper

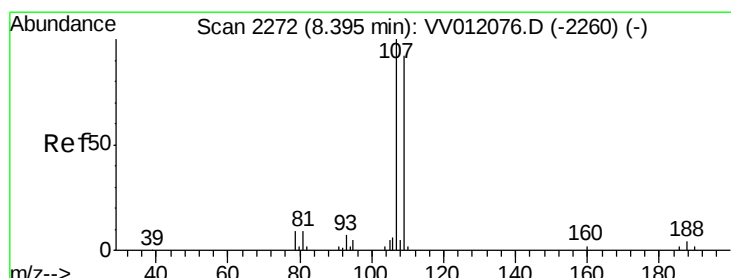
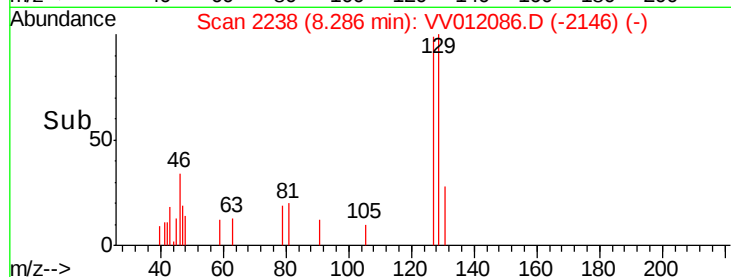
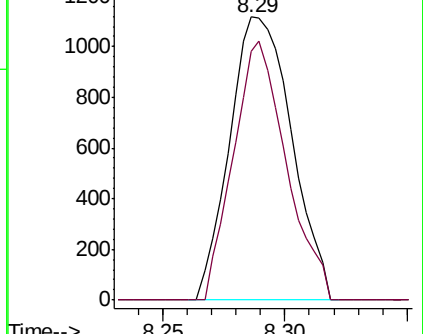
129 100

127 87.7 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: 0.294 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

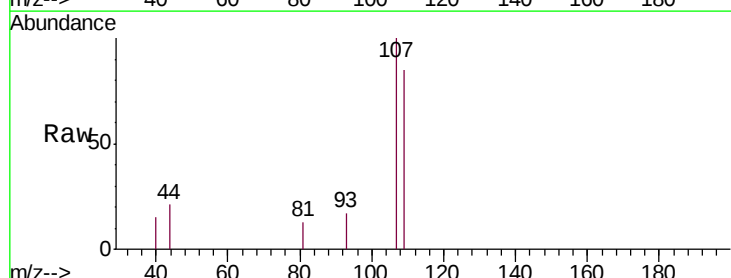
Tgt Ion:107 Resp: 1420

Ion Ratio Lower Upper

107 100

109 84.7 64.7 120.1

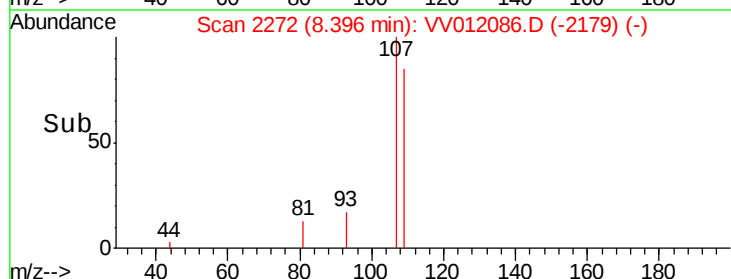
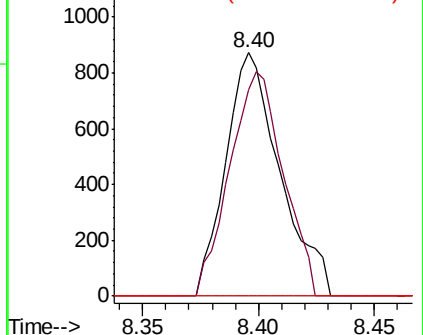
188 0.0 3.4 5.0#

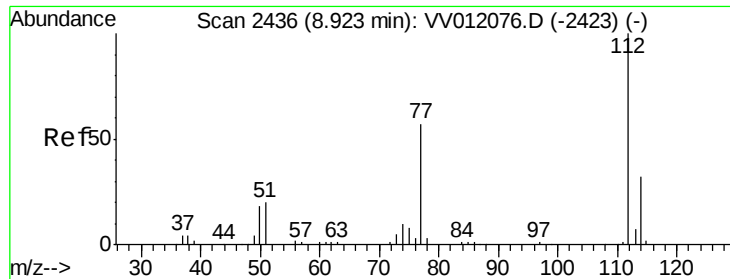


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

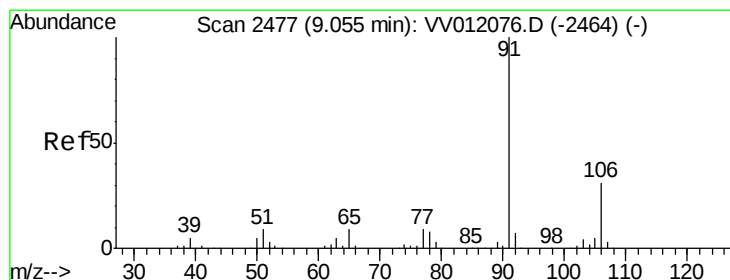
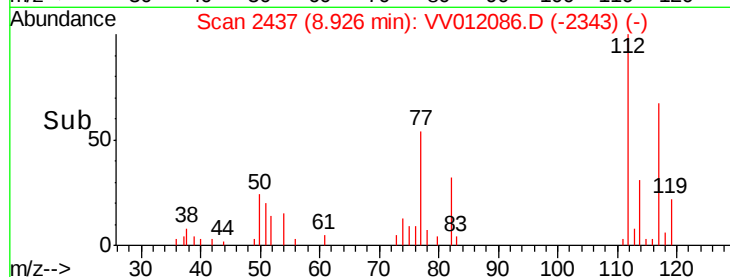
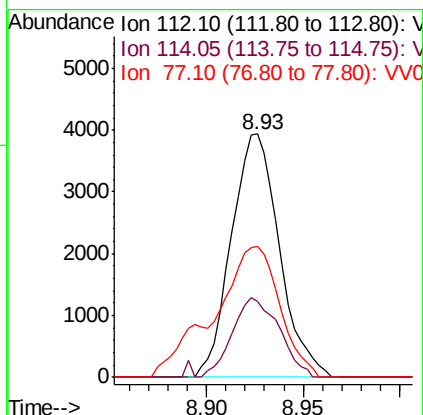
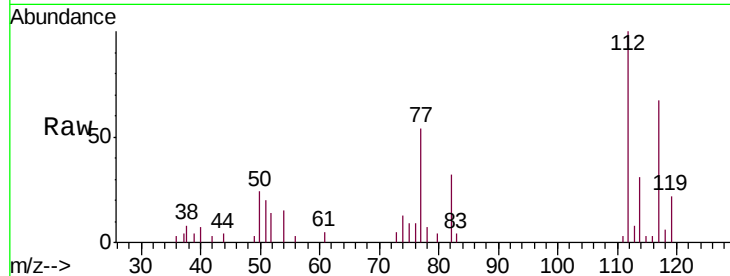




#51
Chlorobenzene
Concen: 0.314 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

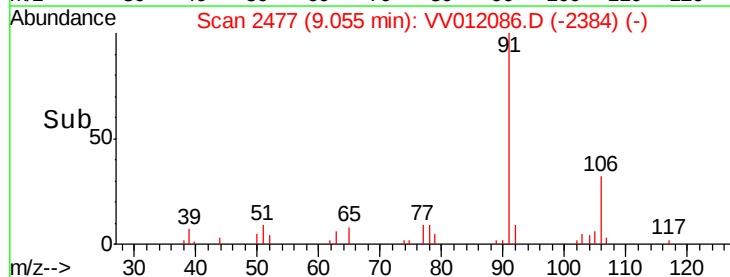
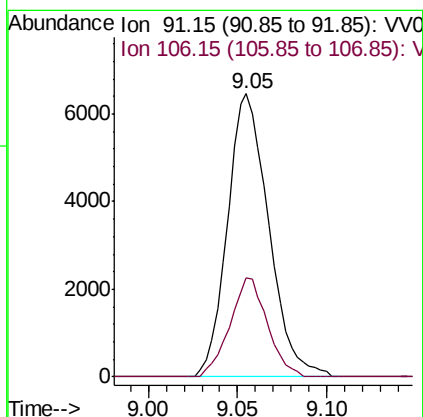
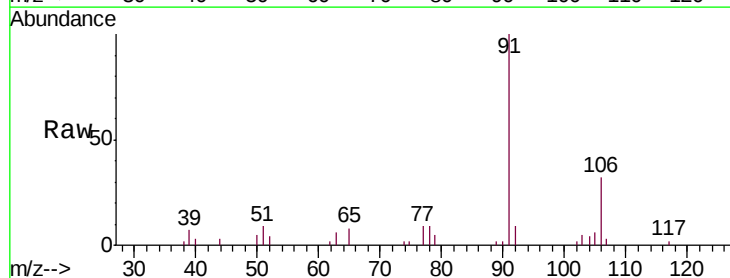
Instrument :
MSVOA_V
ClientSampleId :
MDL03

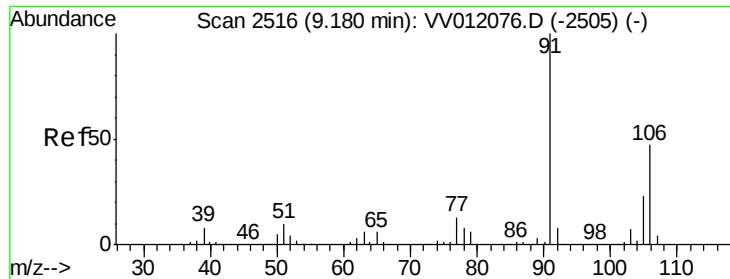
Tgt Ion: 112 Resp: 6797
Ion Ratio Lower Upper
112 100
114 31.3 22.4 41.6
77 53.7 46.1 69.1



#52
Ethylbenzene
Concen: 0.282 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

Tgt Ion: 91 Resp: 10388
Ion Ratio Lower Upper
91 100
106 34.9 21.6 40.0





#53

m,p-xylene

Concen: 0.276 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

Instrument :

MSVOA_V

ClientSampled :

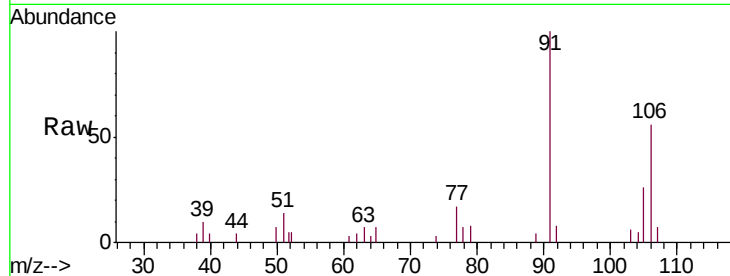
MDL03

Tgt Ion:106 Resp: 3901

Ion Ratio Lower Upper

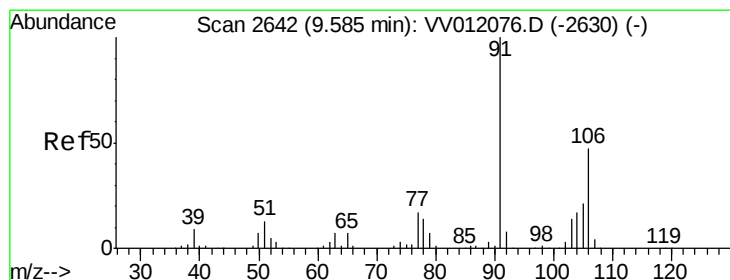
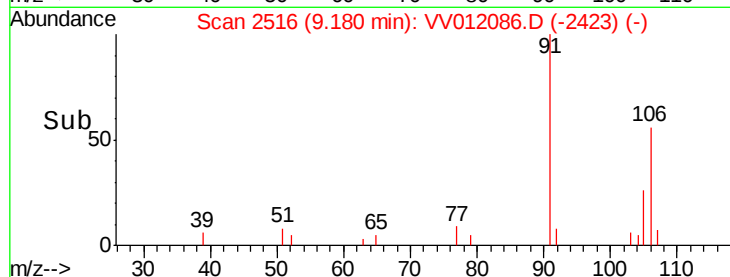
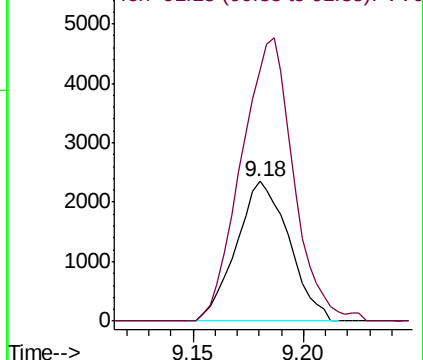
106 100

91 179.7 148.7 276.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.277 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012086.D

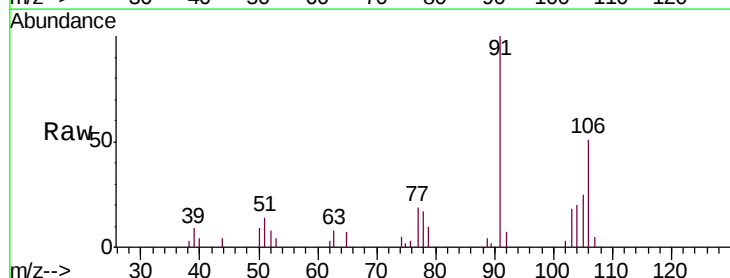
Acq: 30 Jul 2019 22:42

Tgt Ion:106 Resp: 3748

Ion Ratio Lower Upper

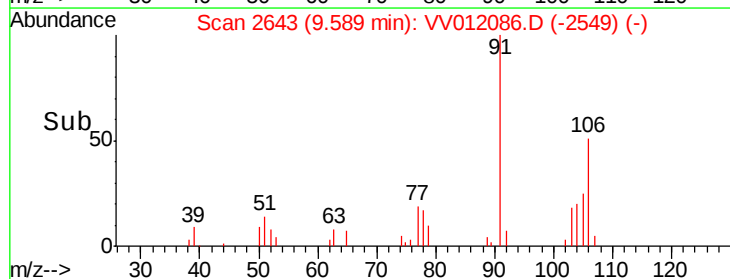
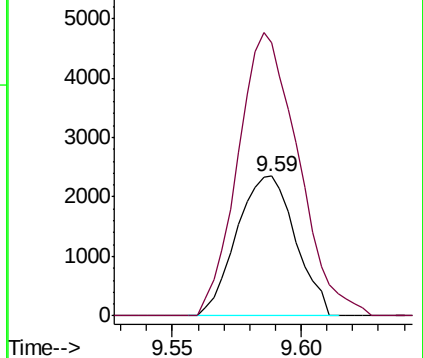
106 100

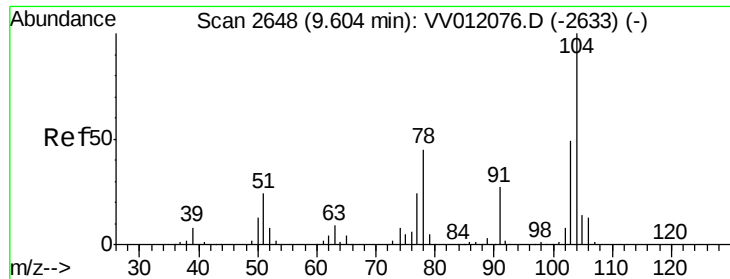
91 194.9 147.7 274.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

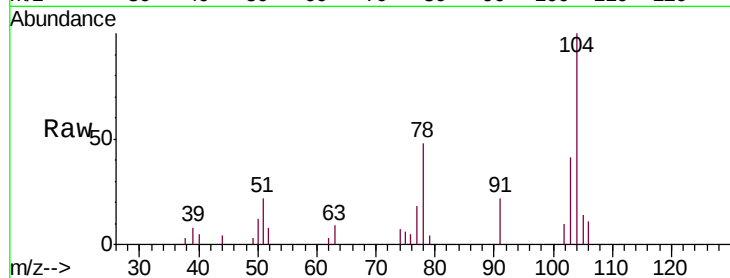




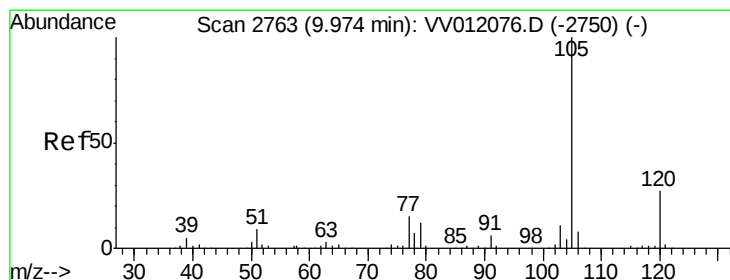
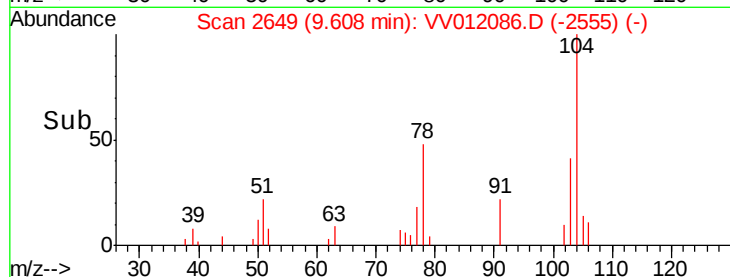
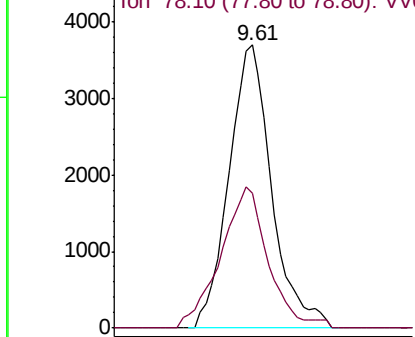
#55
Styrene
Concen: 0.268 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tgt Ion:104 Resp: 6155
Ion Ratio Lower Upper
104 100
78 47.6 31.7 58.9

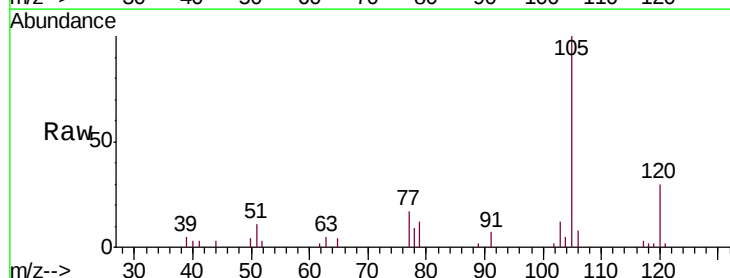


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0

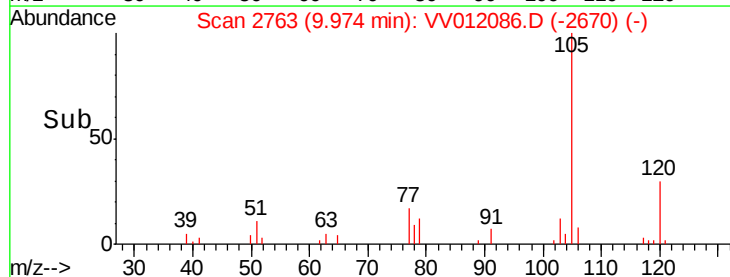
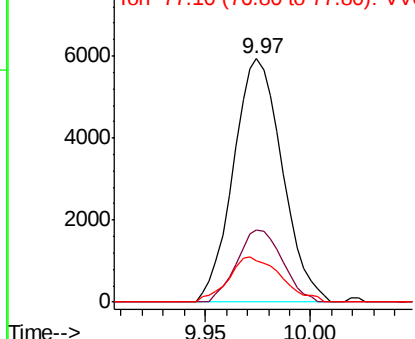


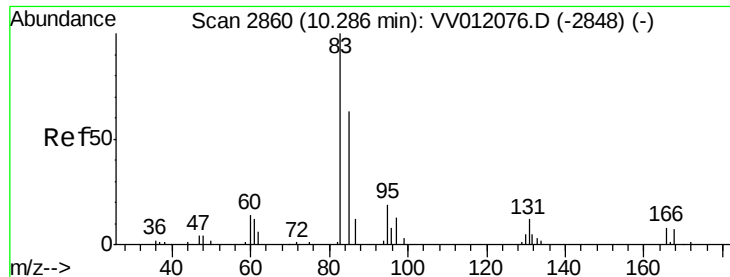
#56
Isopropylbenzene
Concen: 0.255 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV012086.D
Acq: 30 Jul 2019 22:42

Tgt Ion:105 Resp: 9561
Ion Ratio Lower Upper
105 100
120 27.7 21.8 32.8
77 19.7 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: 0.305 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

Instrument :

MSVOA_V

ClientSampled :

MDL03

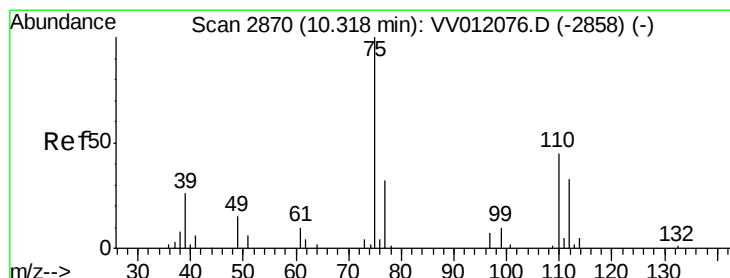
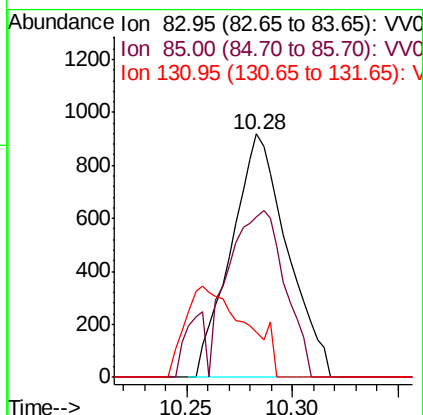
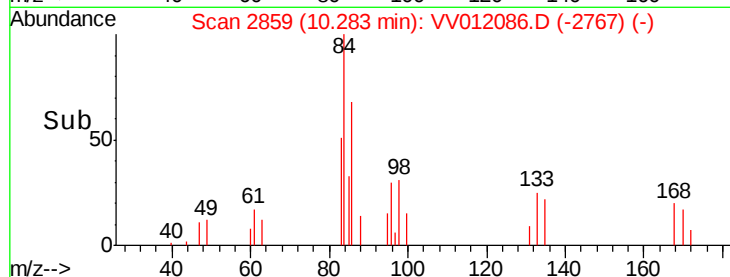
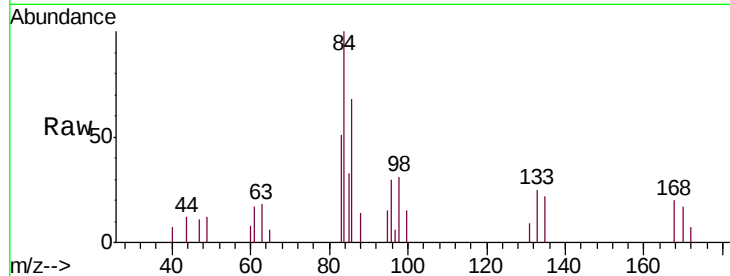
Tgt Ion: 83 Resp: 1699

Ion Ratio Lower Upper

83 100

85 65.9 45.1 83.7

131 18.3 10.3 15.5#



#59

1,2,3-Trichloropropane

Concen: 0.351 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV012086.D

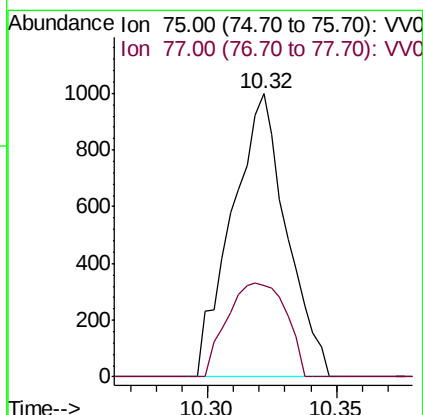
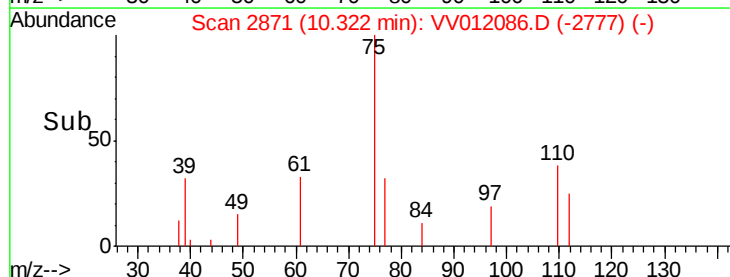
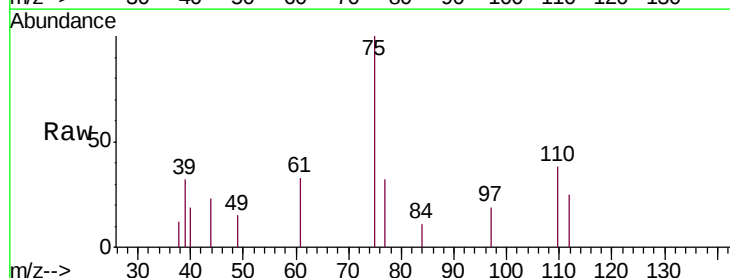
Acq: 30 Jul 2019 22:42

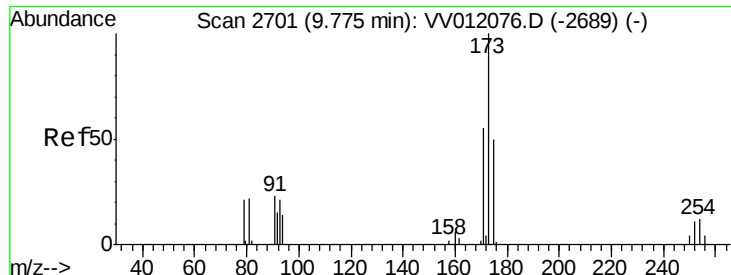
Tgt Ion: 75 Resp: 1475

Ion Ratio Lower Upper

75 100

77 35.8 26.9 40.3





#61

Bromoform

Concen: 0.313 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

Instrument :

MSVOA_V

ClientSampleId :

MDL03

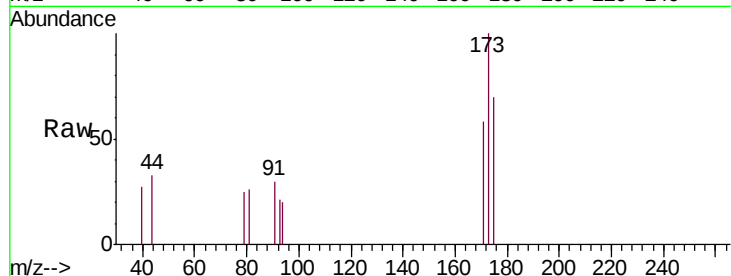
Tgt Ion:173 Resp: 1018

Ion Ratio Lower Upper

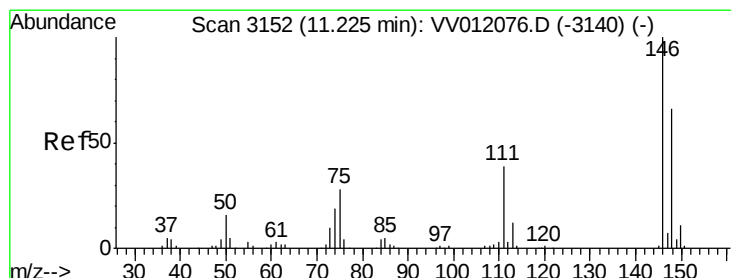
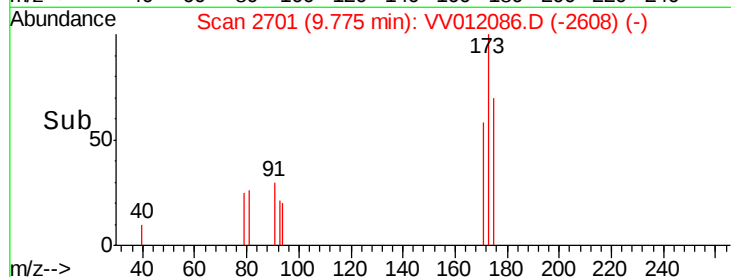
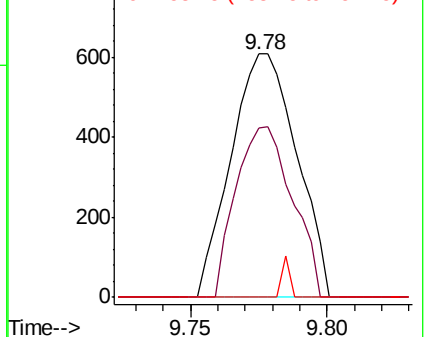
173 100

175 60.2 39.4 59.2#

254 2.0 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: 0.328 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

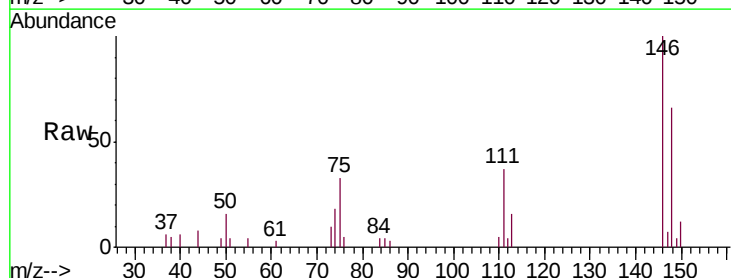
Tgt Ion:146 Resp: 5534

Ion Ratio Lower Upper

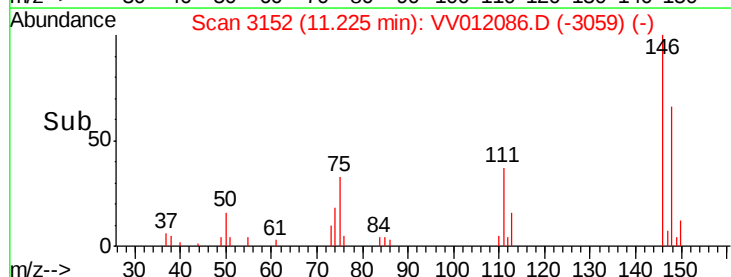
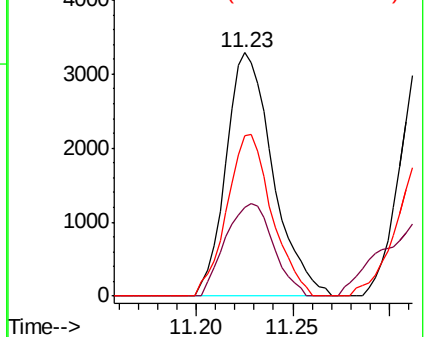
146 100

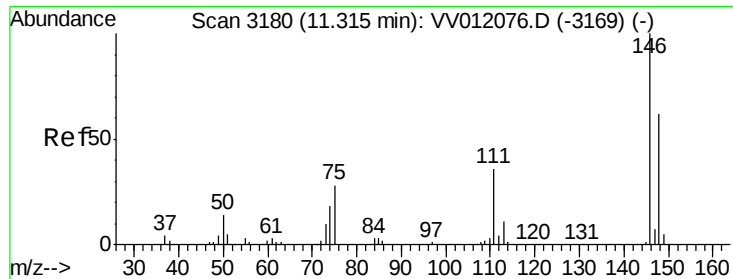
111 36.6 27.2 50.6

148 66.1 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

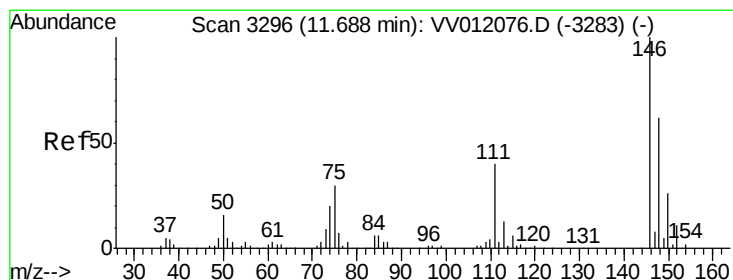
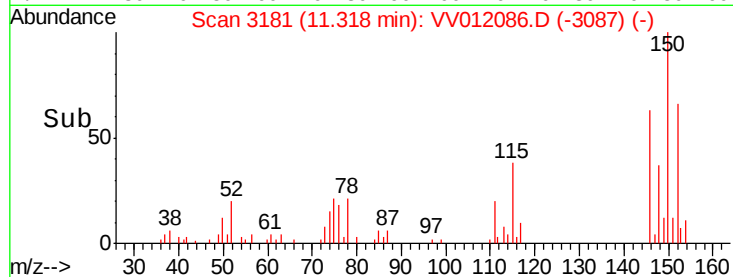
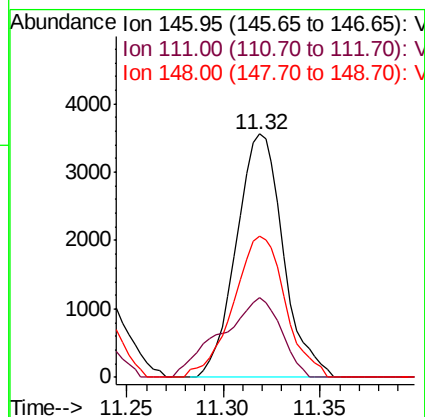
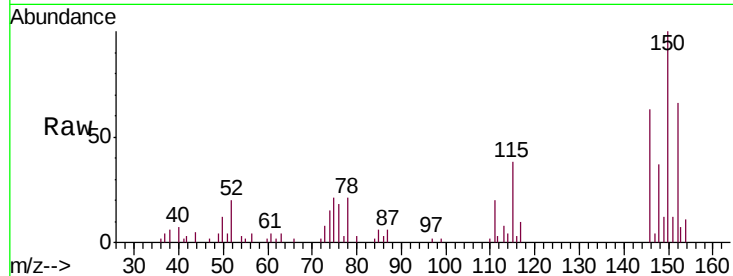




#63
 1,4-Dichlorobenzene
 Concen: 0.349 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012086.D
 Acq: 30 Jul 2019 22:42

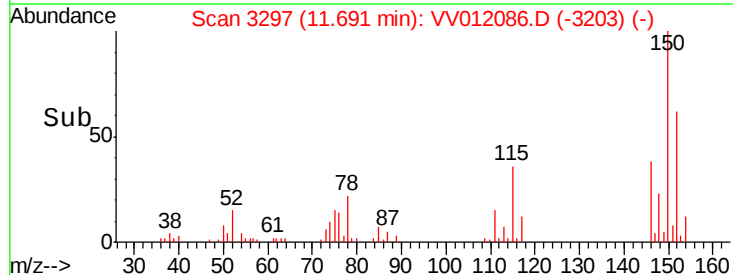
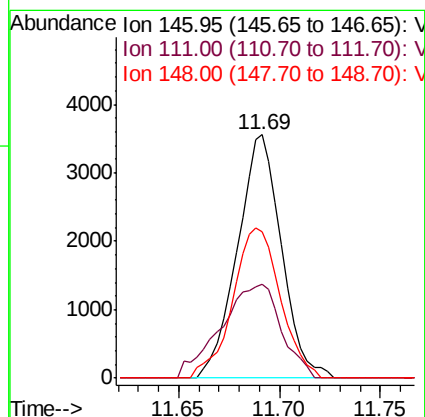
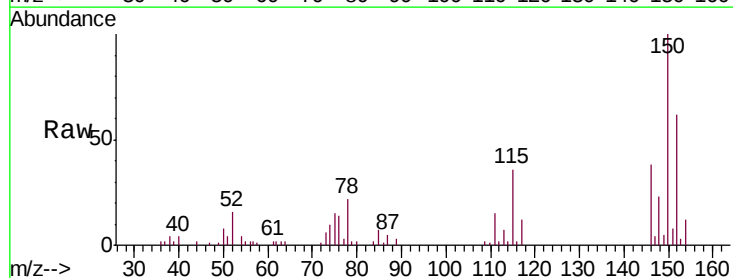
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

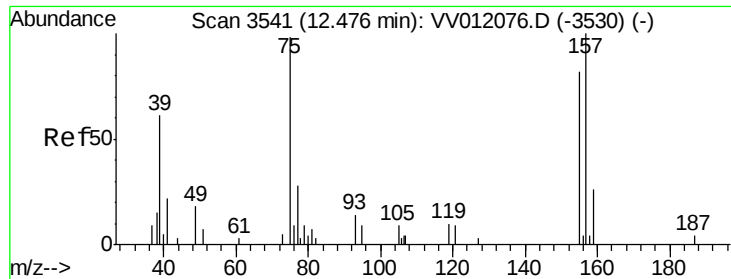
Tgt Ion:146 Resp: 5997
 Ion Ratio Lower Upper
 146 100
 111 37.0 25.4 47.2
 148 58.2 43.5 80.7



#65
 1,2-Dichlorobenzene
 Concen: 0.357 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV012086.D
 Acq: 30 Jul 2019 22:42

Tgt Ion:146 Resp: 5437
 Ion Ratio Lower Upper
 146 100
 111 38.6 32.3 48.5
 148 60.1 49.9 74.9

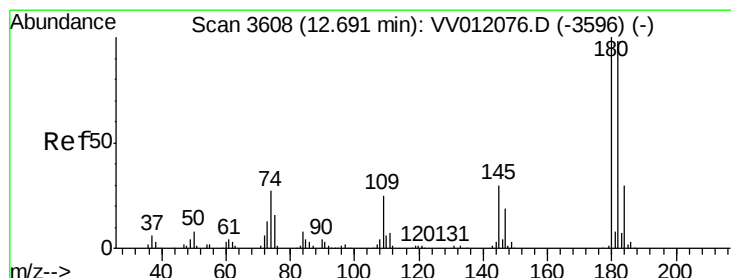
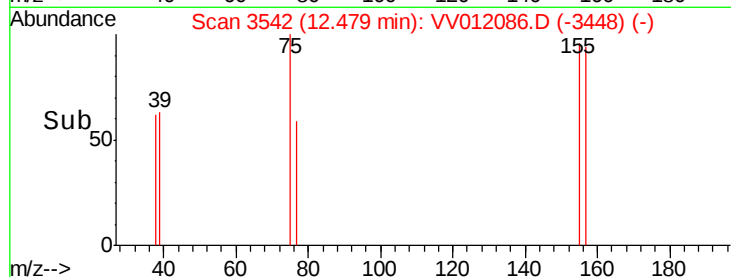
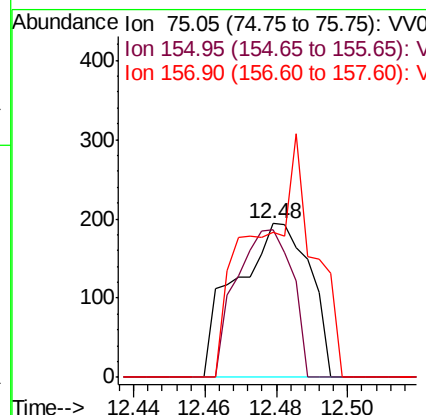
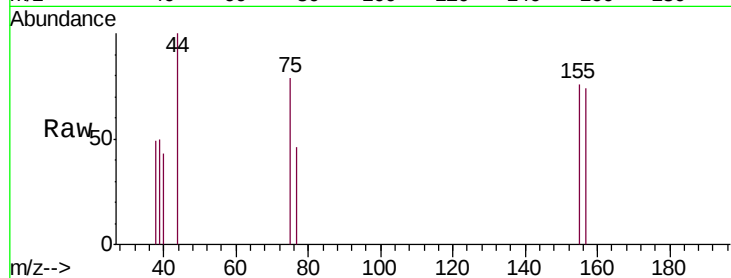




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.341 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV012086.D
 Acq: 30 Jul 2019 22:42

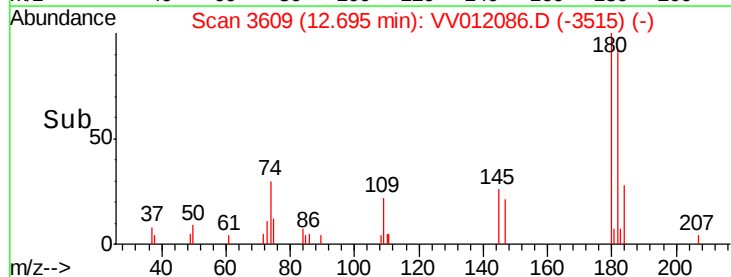
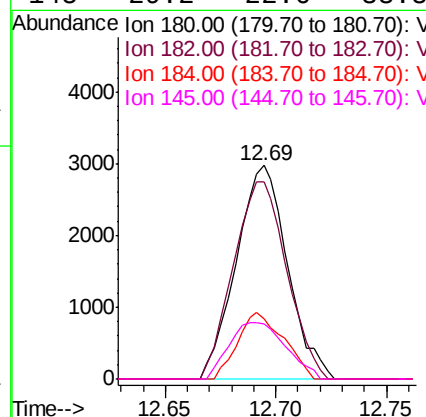
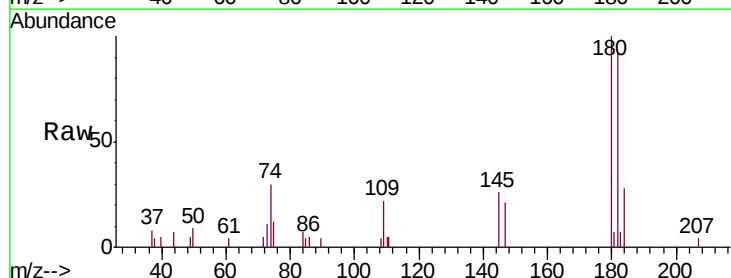
Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

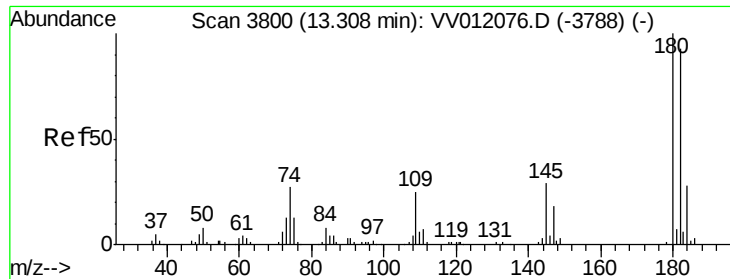
Tgt Ion: 75 Resp: 279
 Ion Ratio Lower Upper
 75 100
 155 96.4 66.9 100.3
 157 94.3 81.8 122.6



#67
 1,3,5-Trichlorobenzene
 Concen: 0.347 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV012086.D
 Acq: 30 Jul 2019 22:42

Tgt Ion: 180 Resp: 4788
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.6 115.0
 184 27.8 23.8 35.8
 145 29.2 22.6 33.8

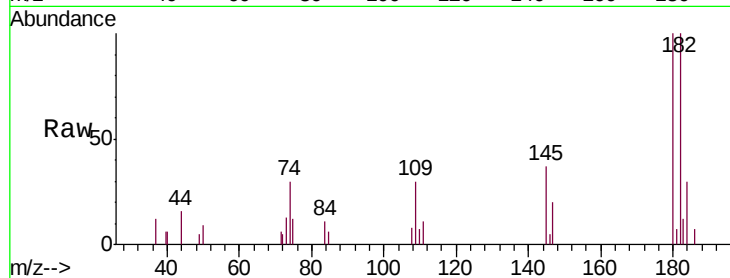




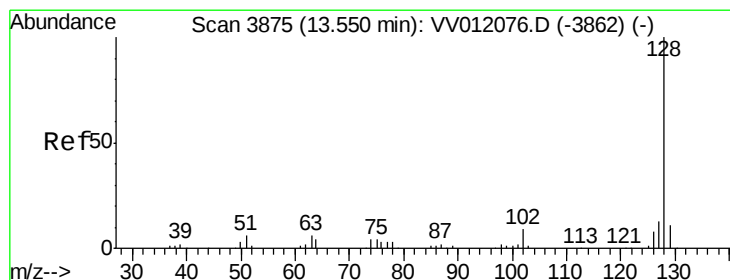
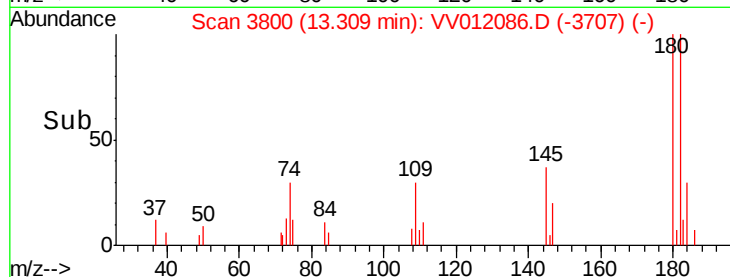
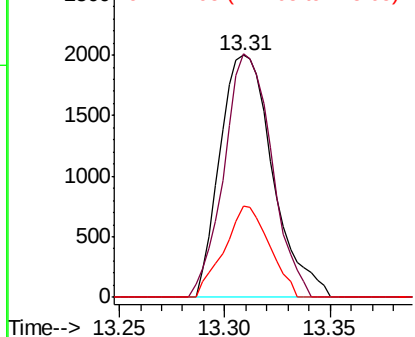
#68
 1,2,4-trichlorobenzene
 Concen: 0.312 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012086.D
 Acq: 30 Jul 2019 22:42

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tgt Ion:180 Resp: 3475
 Ion Ratio Lower Upper
 180 100
 182 90.5 75.4 113.0
 145 32.3 23.5 35.3

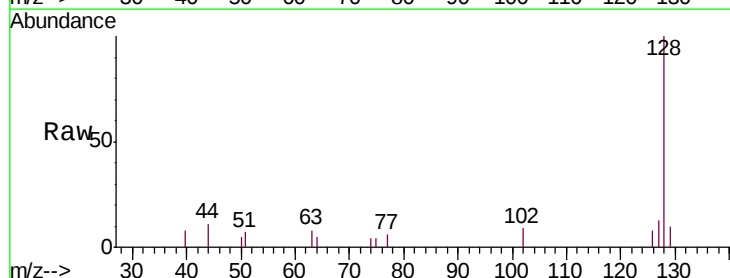


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

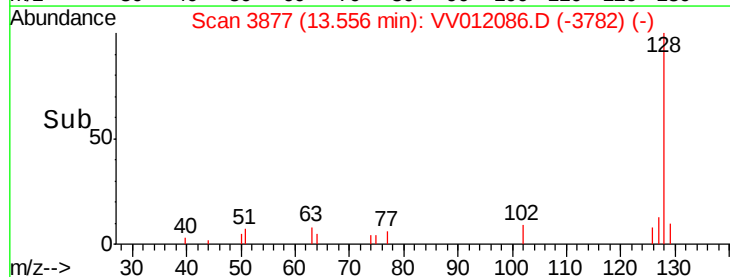
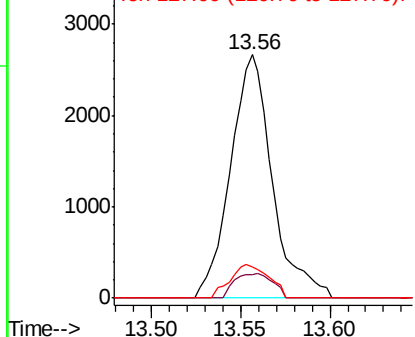


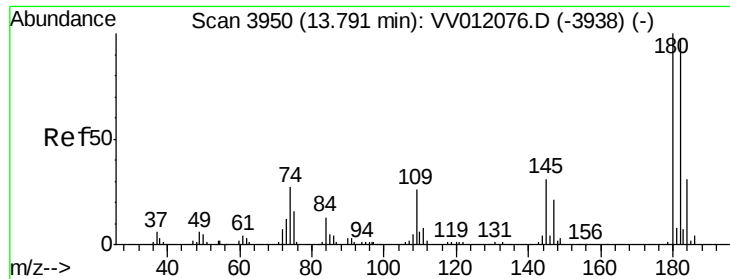
#69
 Naphthalene
 Concen: 0.290 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.01 min
 Lab File: VV012086.D
 Acq: 30 Jul 2019 22:42

Tgt Ion:128 Resp: 4345
 Ion Ratio Lower Upper
 128 100
 129 9.1 8.4 12.6
 127 12.7 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: 0.314 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012086.D

Acq: 30 Jul 2019 22:42

Instrument :

MSVOA_V

ClientSampleId :

MDL03

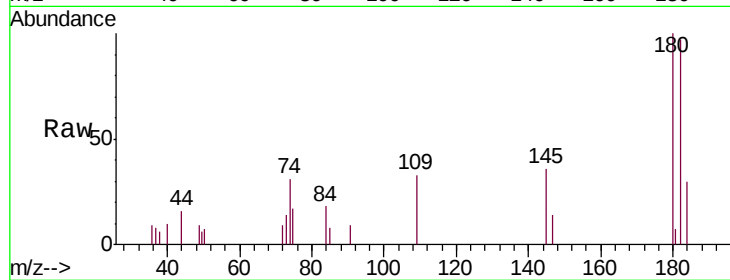
Tgt Ion:180 Resp: 3119

Ion Ratio Lower Upper

180 100

182 93.5 76.5 114.7

145 27.2 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

