

Data File : VV012089.D
Acq On : 30 Jul 2019 23:58
Operator : SY/MD
Sample : MDL06
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Quant Time: Jul 31 05:40:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 05:31:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	104631	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	103876	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	53333	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24372	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.59	69	19652	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.13	63	39994	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	3.97	46	69353	50.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.70%
24) Chloroform-d	4.40	84	69693	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.08	65	39214	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
32) Benzene-d6	5.10	84	133448	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.12	67	36313	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.36	98	123794	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	7.67	79	15178	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.14	63	54930	50.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	26030	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	50845	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3994	0.344 ug/L	99
3) Chloromethane	1.25	50	1975	0.356 ug/L	94
5) Vinyl chloride	1.32	62	2226	0.368 ug/L #	70
6) Bromomethane	1.54	94	1288	0.343 ug/L	98
8) Chloroethane	1.60	64	1433	0.425 ug/L	86
9) Trichlorofluoromethane	1.77	101	4244	0.361 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2154	0.430 ug/L	86
12) 1,1-Dichloroethene	2.14	96	1825	0.397 ug/L #	1
14) Carbon disulfide	2.32	76	4273	0.341 ug/L #	92
15) Methyl Acetate	2.47	43	293	0.186 ug/L #	58
16) Methylene chloride	2.54	84	1977	0.414 ug/L	92
17) Methyl tert-butyl Ether	2.81	73	5191	0.340 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	2770	0.405 ug/L	76
19) 1,1-Dichloroethane	3.23	63	3847	0.316 ug/L	96
22) cis-1,2-Dichloroethene	3.97	96	2481	0.338 ug/L	83
23) Bromochloromethane	4.31	128	1158	0.351 ug/L #	73
25) Chloroform	4.43	83	10762	0.681 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) 1,2-Dichloroethane	5.18	62	3069	0.353	ug/L #	75
29) 1,1,1-Trichloroethane	4.66	97	4476	0.332	ug/L	96
30) Cyclohexane	4.72	56	3530	0.343	ug/L	93
31) Carbon tetrachloride	4.88	117	4255	0.351	ug/L	90
33) Benzene	5.15	78	9627	0.350	ug/L	100
34) Trichloroethene	5.96	95	2828	0.356	ug/L #	76
35) Methylcyclohexane	6.17	83	4001	0.333	ug/L	94
37) 1,2-Dichloropropane	6.23	63	2200	0.345	ug/L #	82
38) Bromodichloromethane	6.56	83	3166	0.338	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	3239	0.327	ug/L	93
40) 4-Methyl-2-pentanone	7.28	43	10896	3.143	ug/L #	85
42) Toluene	7.43	91	10615	0.353	ug/L	93
44) trans-1,3-Dichloropropene	7.69	75	2603	0.325	ug/L	86
45) 1,1,2-Trichloroethane	7.89	97	1616	0.340	ug/L	87
47) Tetrachloroethene	8.02	164	2582	0.358	ug/L	97
48) 2-Hexanone	8.19	43	8354	3.465	ug/L #	96
49) Dibromochloromethane	8.29	129	2031	0.330	ug/L	83
50) 1,2-Dibromoethane	8.40	107	1407	0.309	ug/L #	97
51) Chlorobenzene	8.93	112	7175	0.352	ug/L	96
52) Ethylbenzene	9.05	91	11009	0.317	ug/L	97
53) m,p-xylene	9.18	106	4343	0.326	ug/L	94
54) o-xylene	9.59	106	4292	0.337	ug/L	96
55) Styrene	9.61	104	6486	0.300	ug/L	92
56) Isopropylbenzene	9.97	105	10875	0.308	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	1968	0.375	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	1410	0.356	ug/L	95
61) Bromoform	9.77	173	1075	0.339	ug/L #	89
62) 1,3-Dichlorobenzene	11.23	146	6221	0.378	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	6041	0.360	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	5369	0.361	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	306	0.383	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.69	180	5117	0.380	ug/L	93
68) 1,2,4-trichlorobenzene	13.31	180	3657	0.336	ug/L	96
69) Naphthalene	13.56	128	4565	0.312	ug/L #	87
70) 1,2,3-Trichlorobenzene	13.79	180	3476	0.359	ug/L	95

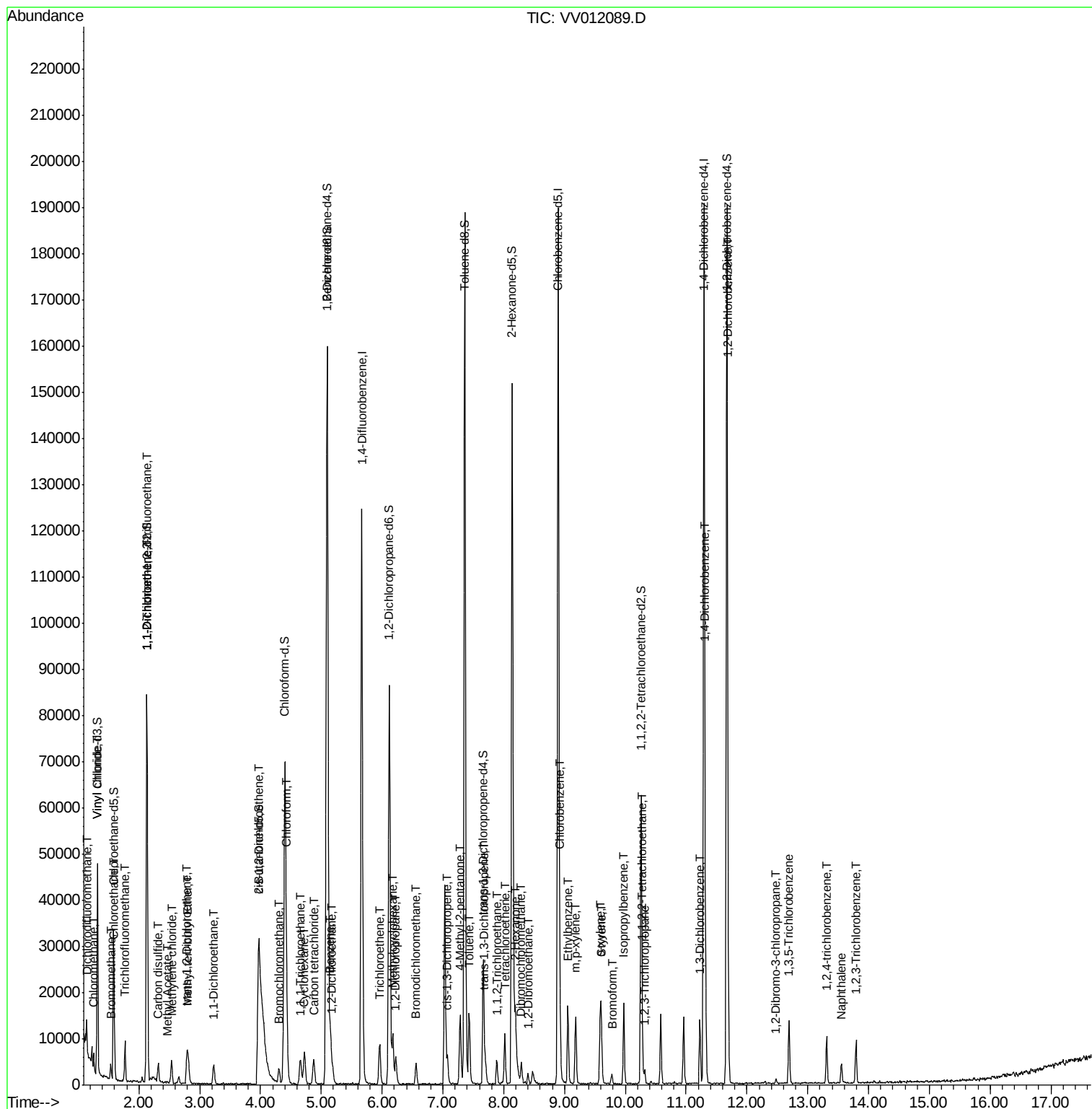
(#) = qualifier out of range (m) = manual integration (+) = signals summed

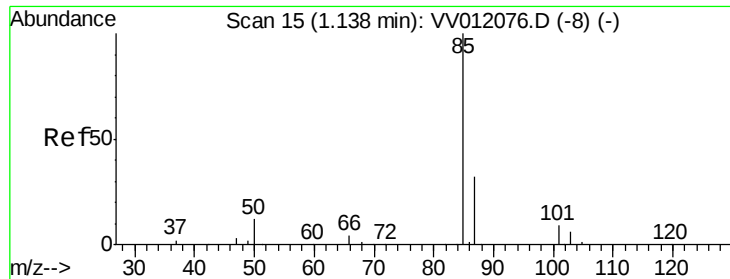
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#2

Dichlorodifluoromethane

Concen: 0.344 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampleId :

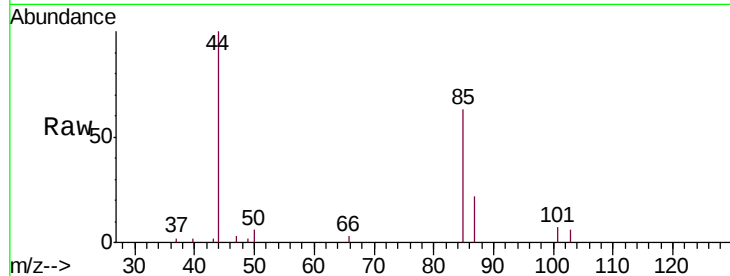
MDL06

Tgt Ion: 85 Resp: 3994

Ion Ratio Lower Upper

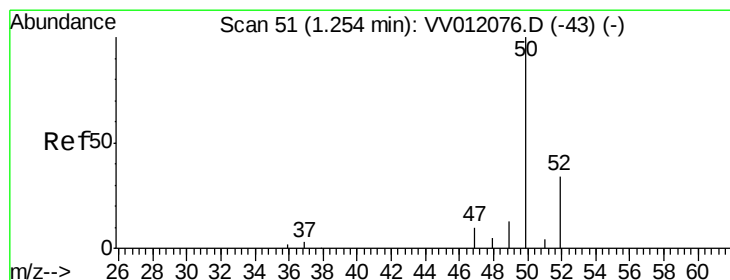
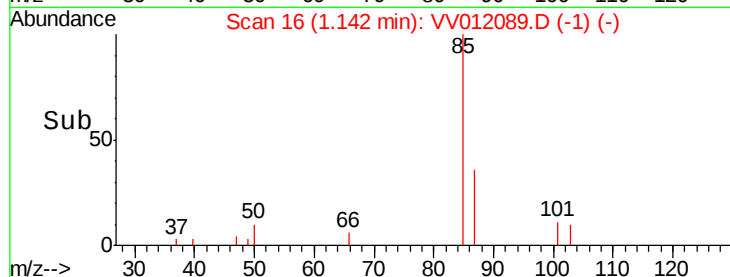
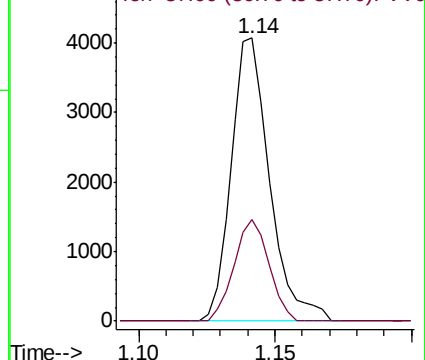
85 100

87 32.4 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.356 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV012089.D

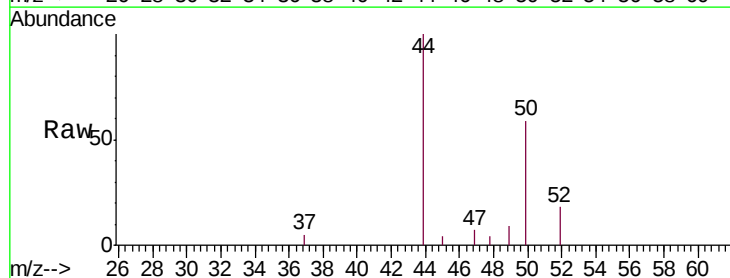
Acq: 30 Jul 2019 23:58

Tgt Ion: 50 Resp: 1975

Ion Ratio Lower Upper

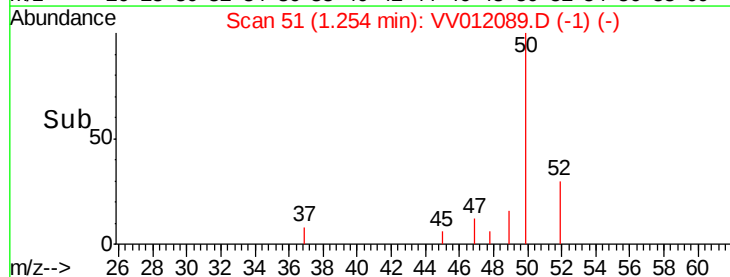
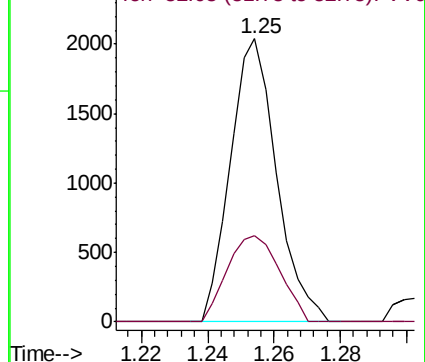
50 100

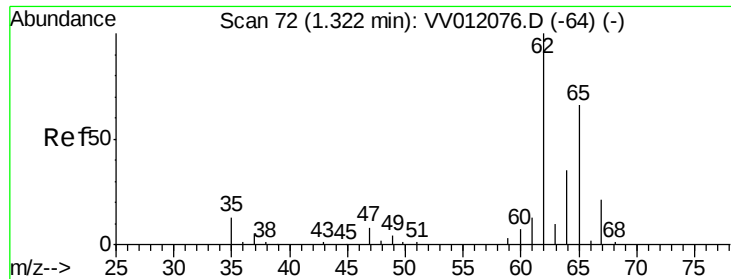
52 30.5 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.368 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampled :

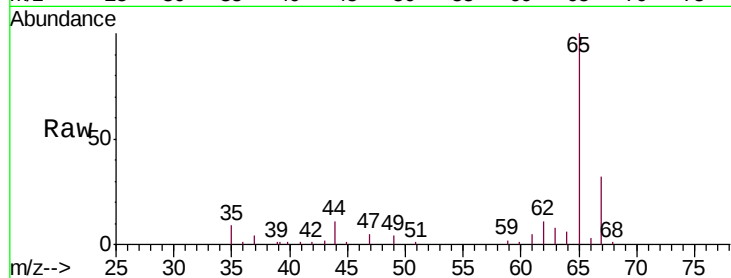
MDL06

Tgt Ion: 62 Resp: 2226

Ion Ratio Lower Upper

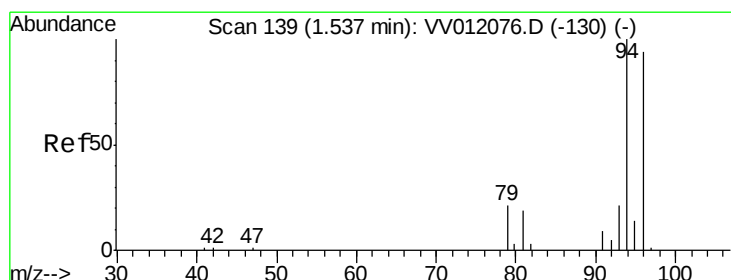
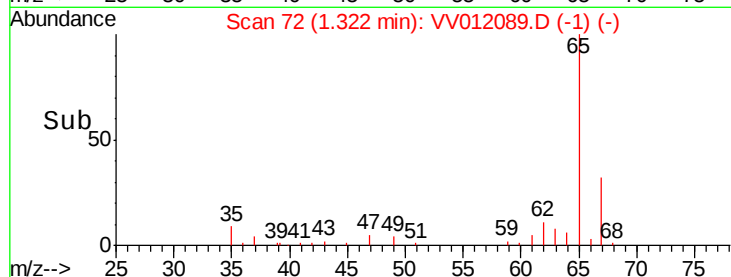
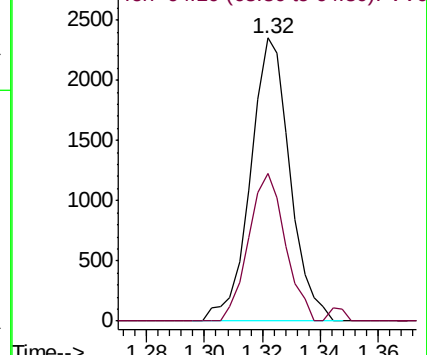
62 100

64 52.3 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: 0.343 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012089.D

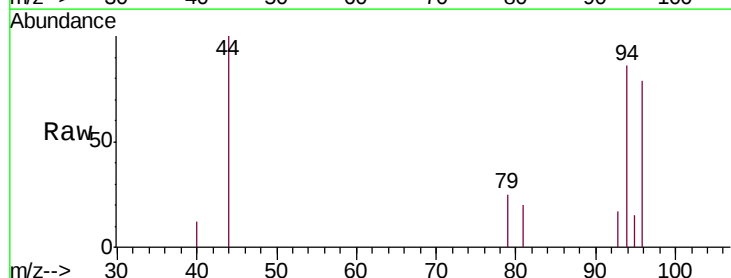
Acq: 30 Jul 2019 23:58

Tgt Ion: 94 Resp: 1288

Ion Ratio Lower Upper

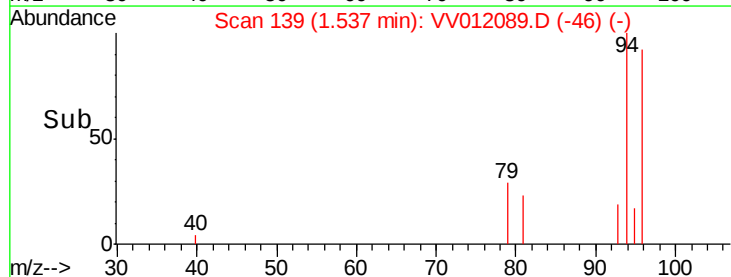
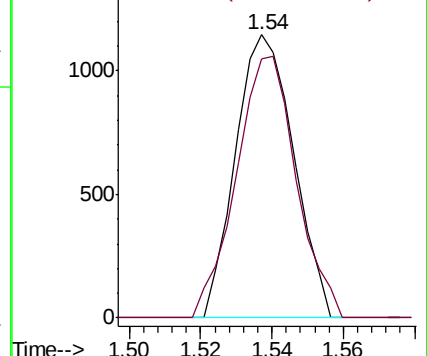
94 100

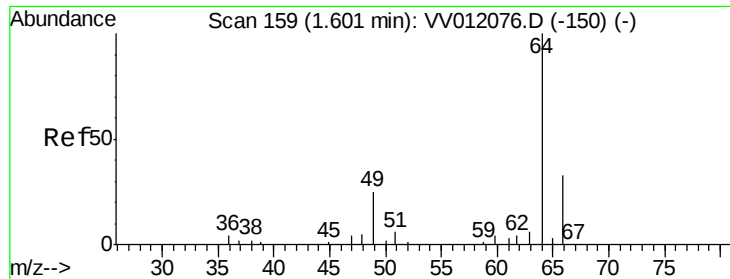
96 91.7 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.425 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampleId :

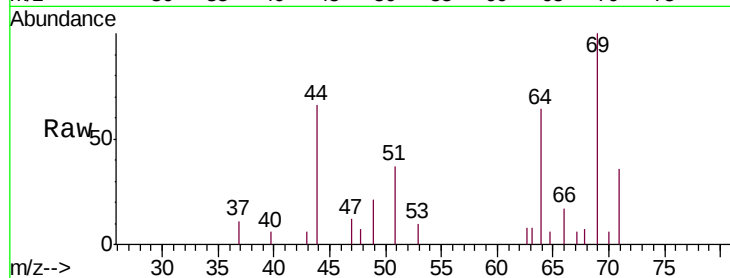
MDL06

Tgt Ion: 64 Resp: 1433

Ion Ratio Lower Upper

64 100

66 25.0 23.1 42.9



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

Ion 66.05 (65.75 to 66.75): VV012089.D (-66) (-)

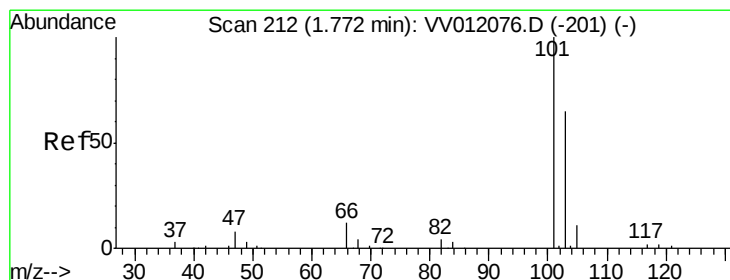
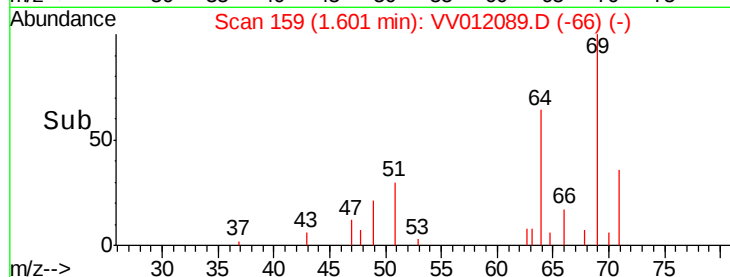
1.60

1000

500

0

Time-->



#9

Trichlorofluoromethane

Concen: 0.361 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV012089.D

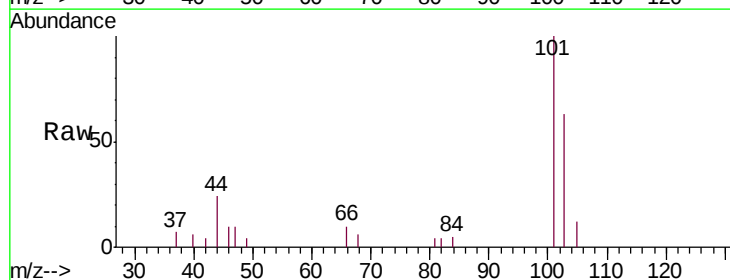
Acq: 30 Jul 2019 23:58

Tgt Ion: 101 Resp: 4244

Ion Ratio Lower Upper

101 100

103 65.2 51.3 76.9



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

Ion 103.00 (102.70 to 103.70): VV012089.D (-119) (-)

1.77

4000

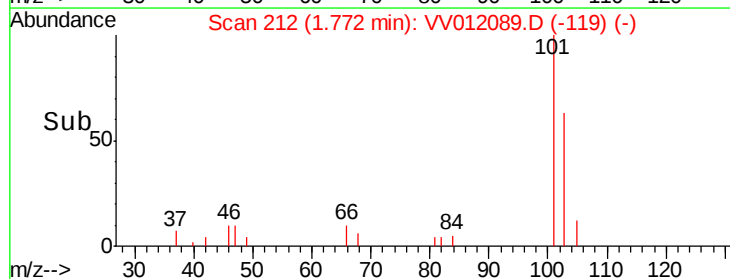
3000

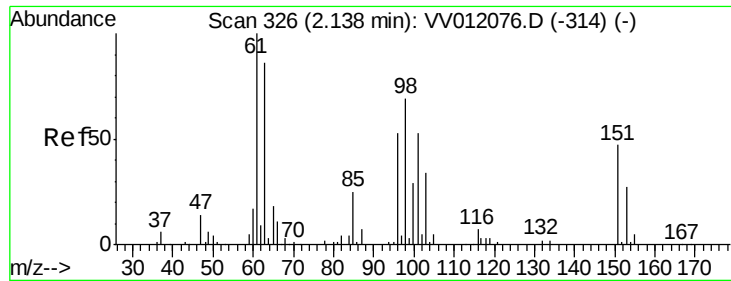
2000

1000

0

Time-->





#10

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

Concen: 0.430 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

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ClientSampleId :

MDL06

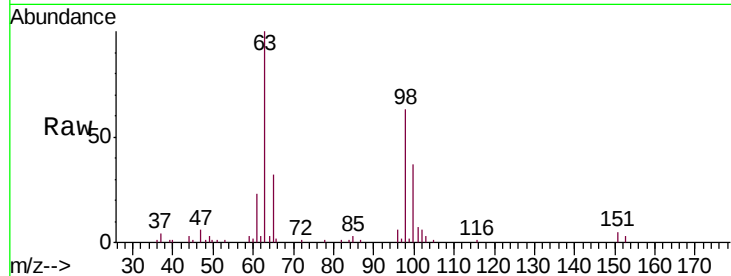
Tgt Ion:101 Resp: 2154

Ion Ratio Lower Upper

101 100

85 42.7 37.4 56.2

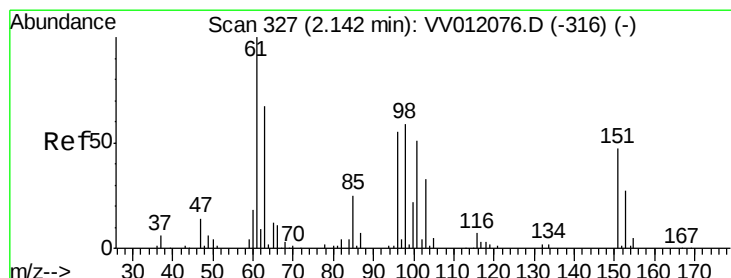
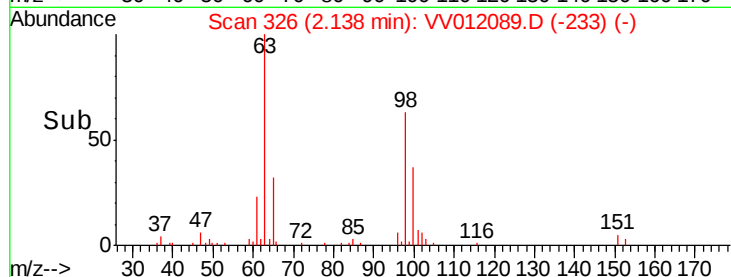
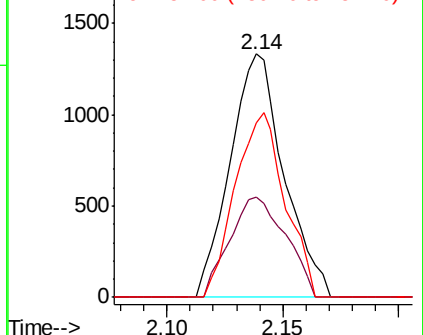
151 70.1 69.1 103.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.397 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

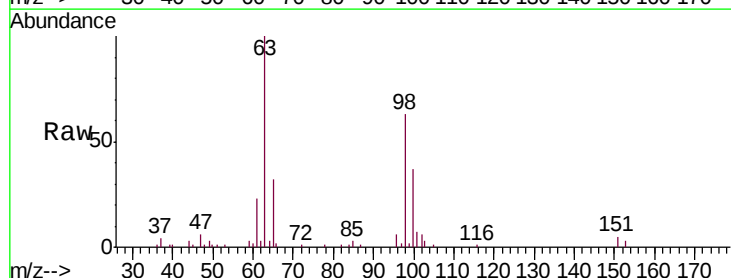
Tgt Ion: 96 Resp: 1825

Ion Ratio Lower Upper

96 100

61 387.9 126.9 235.7#

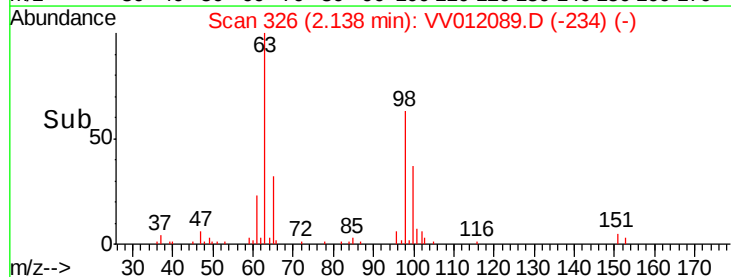
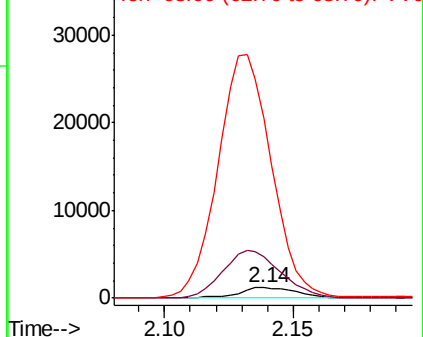
63 1687.9 87.6 162.8#

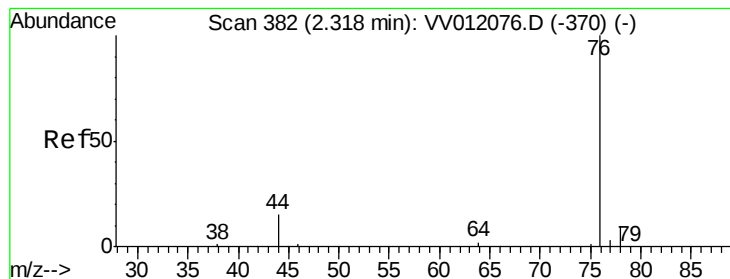


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.341 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

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ClientSampled :

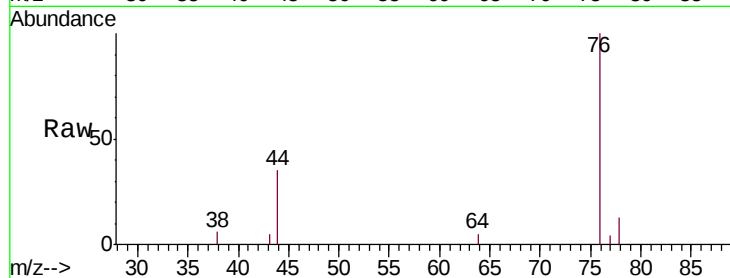
MDL06

Tgt Ion: 76 Resp: 4273

Ion Ratio Lower Upper

76 100

78 12.8 7.9 11.9#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

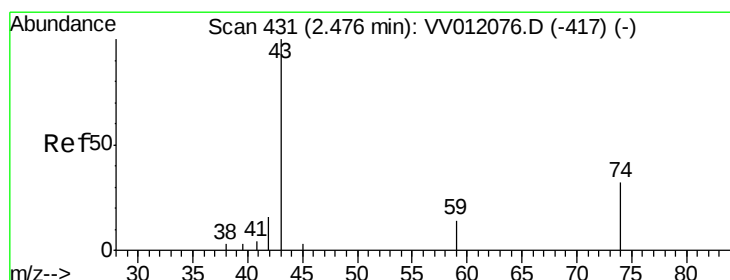
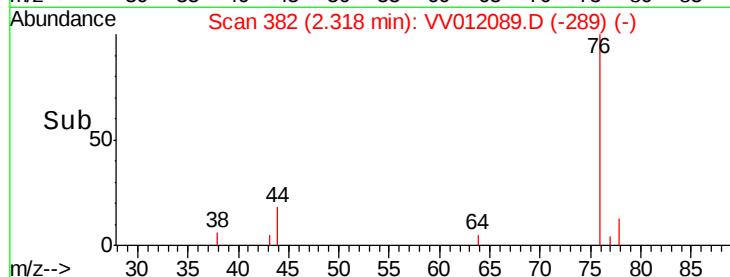
3000

2000

1000

0

Time-->



#15

Methyl Acetate

Concen: 0.186 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VV012089.D

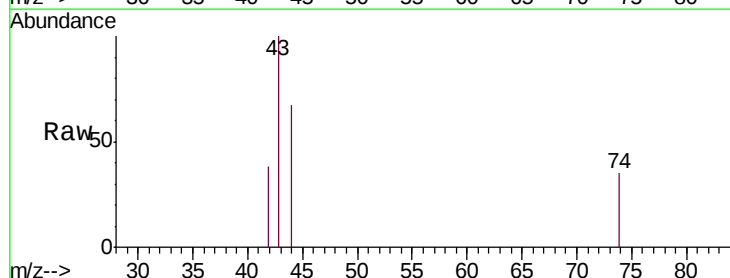
Acq: 30 Jul 2019 23:58

Tgt Ion: 43 Resp: 293

Ion Ratio Lower Upper

43 100

74 6.8 23.4 35.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.47

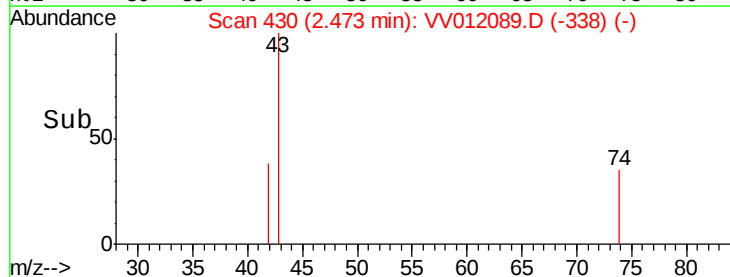
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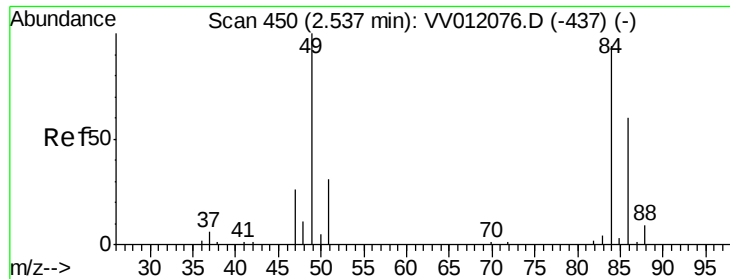
200

100

0

Time-->

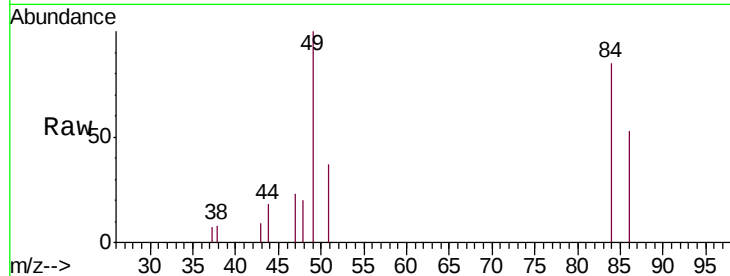




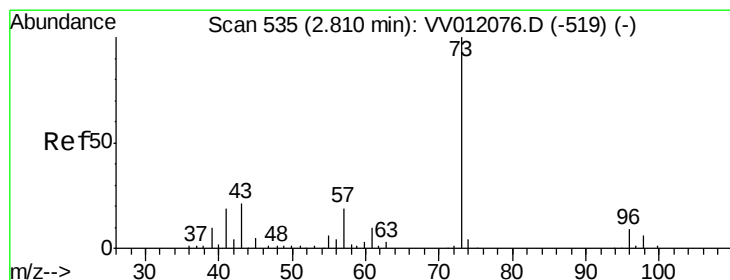
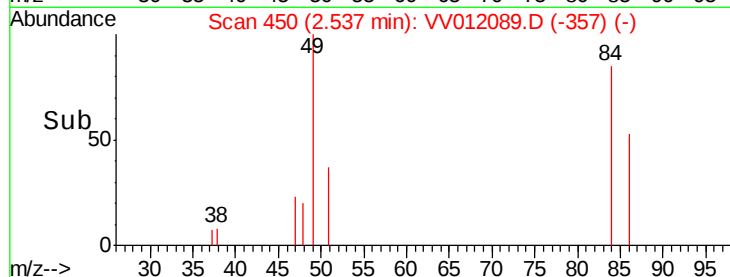
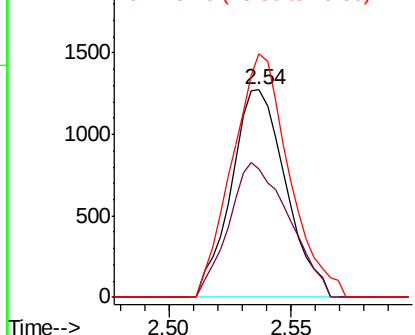
#16
Methylene chloride
Concen: 0.414 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion: 84 Resp: 1977
Ion Ratio Lower Upper
84 100
86 62.0 45.0 83.6
49 117.3 74.4 138.2

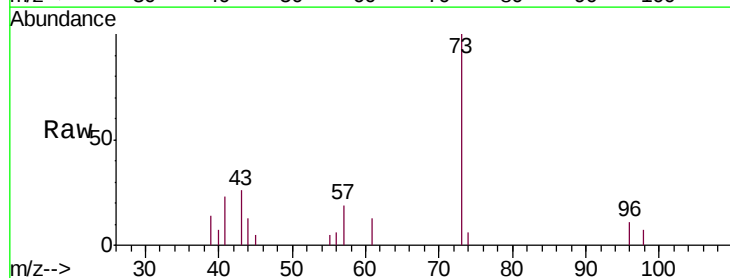


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

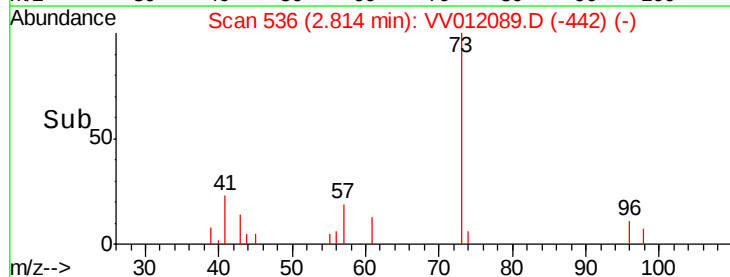
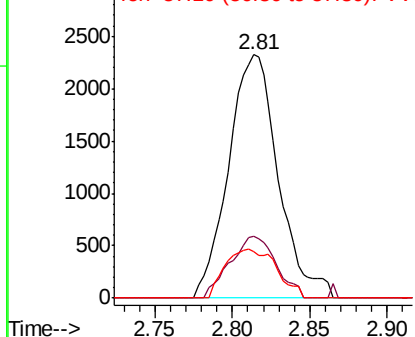


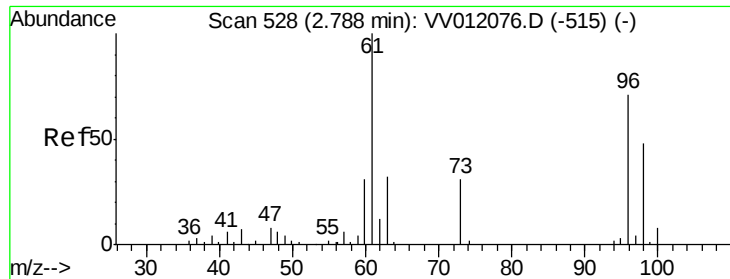
#17
Methyl tert-butyl Ether
Concen: 0.340 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Tgt Ion: 73 Resp: 5191
Ion Ratio Lower Upper
73 100
43 23.5 17.2 25.8
57 20.8 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

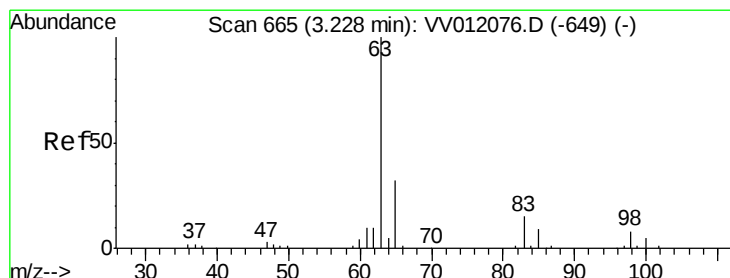
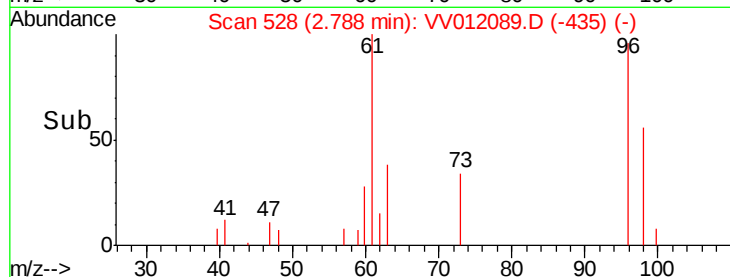
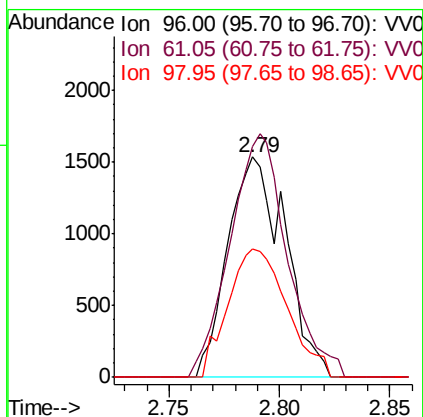
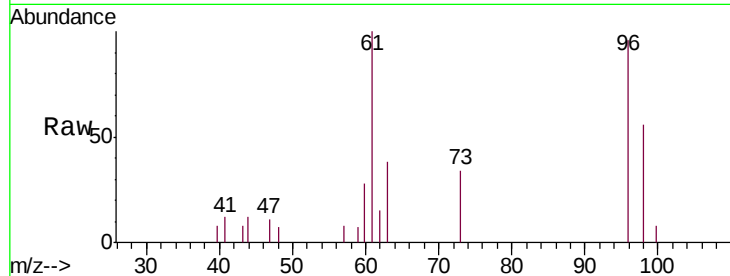




#18
trans-1,2-Dichloroethene
Concen: 0.405 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

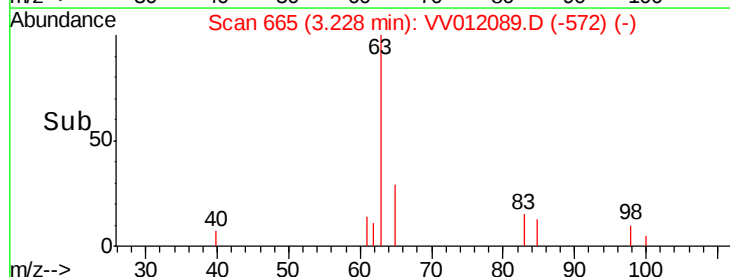
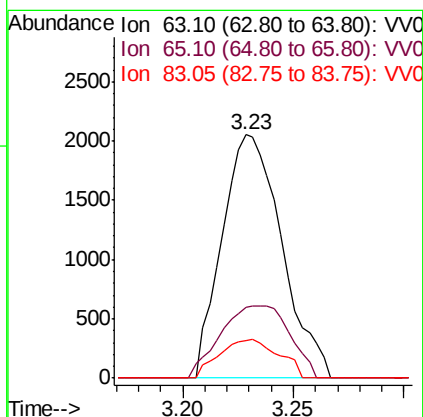
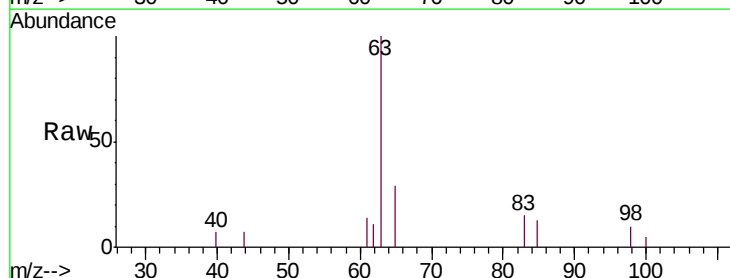
Instrument :
MSVOA_V
ClientSampled :
MDL06

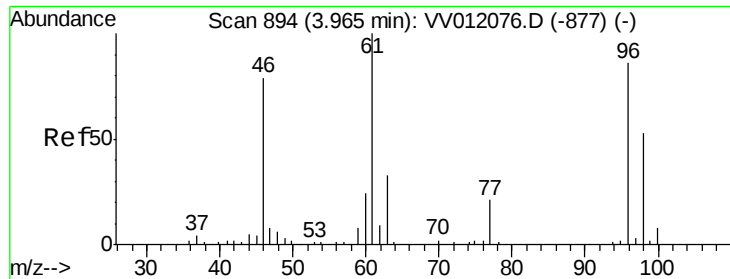
Tgt Ion: 96 Resp: 2770
Ion Ratio Lower Upper
96 100
61 104.7 99.0 184.0
98 58.2 47.9 88.9



#19
1,1-Dichloroethane
Concen: 0.316 ug/L
RT: 3.23 min Scan# 665
Delta R.T. -0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Tgt Ion: 63 Resp: 3847
Ion Ratio Lower Upper
63 100
65 28.9 22.3 41.3
83 15.3 10.4 19.2



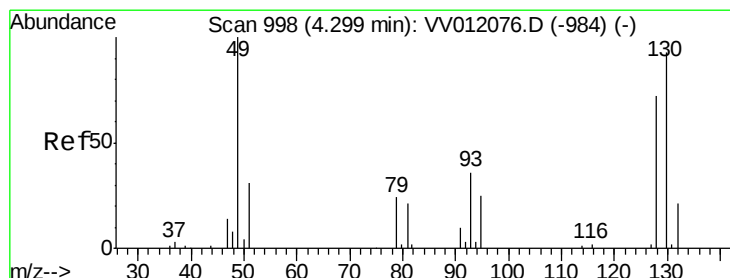
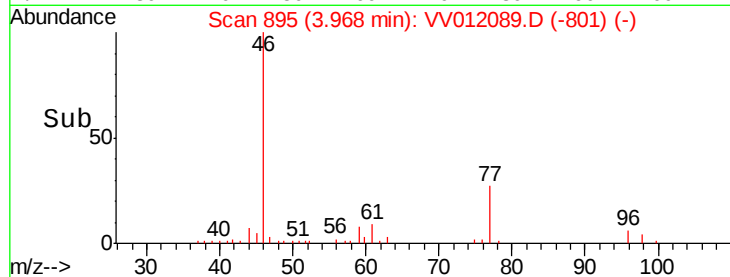
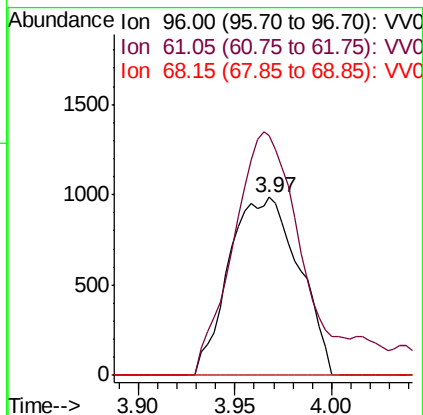
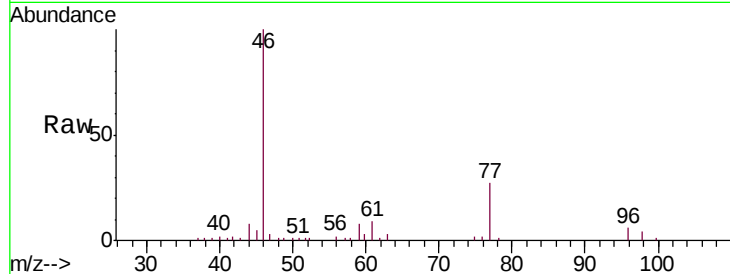


#22

cis-1,2-Dichloroethene
 Concen: 0.338 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

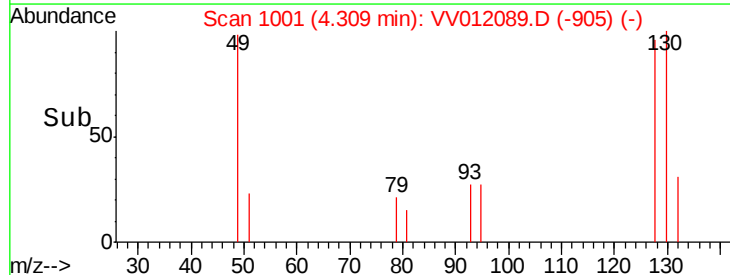
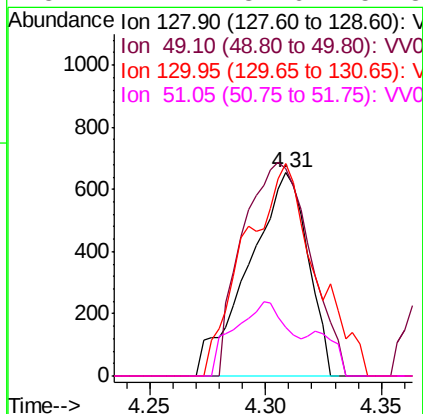
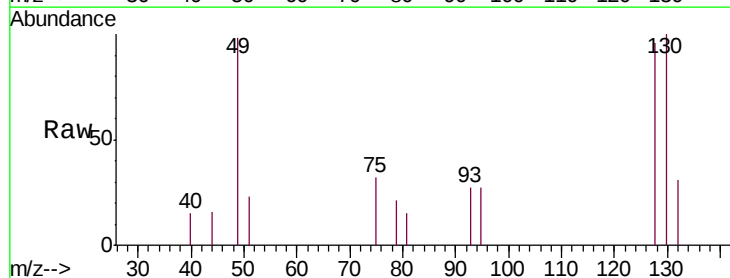
Tgt Ion: 96 Resp: 2481
 Ion Ratio Lower Upper
 96 100
 61 134.8 81.5 151.5
 68 0.0 0.0 0.0

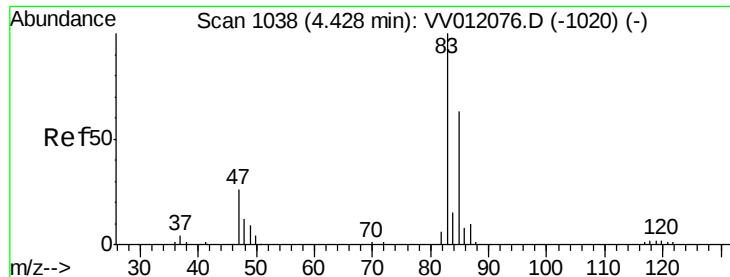


#23

Bromochloromethane
 Concen: 0.351 ug/L
 RT: 4.31 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Tgt Ion: 128 Resp: 1158
 Ion Ratio Lower Upper
 128 100
 49 102.1 97.9 181.7
 130 104.6 90.9 168.9
 51 24.2 34.6 51.8#

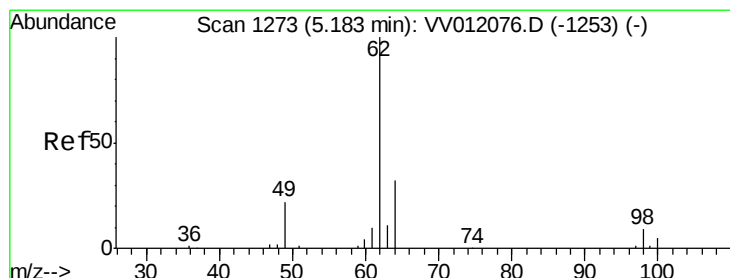
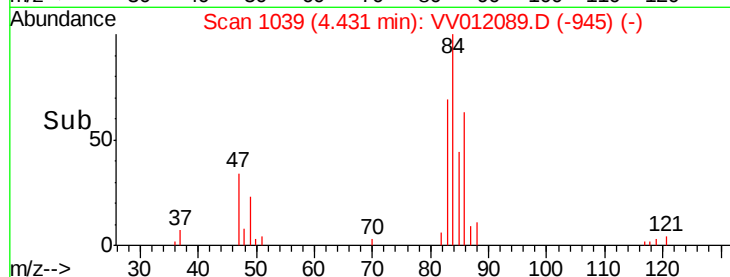
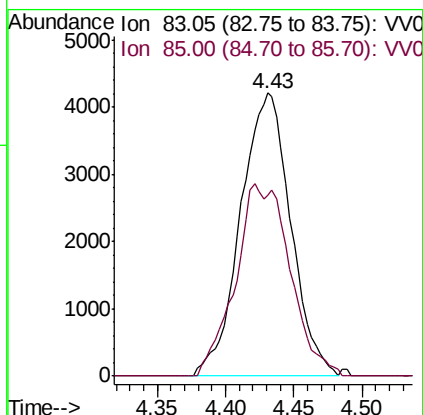
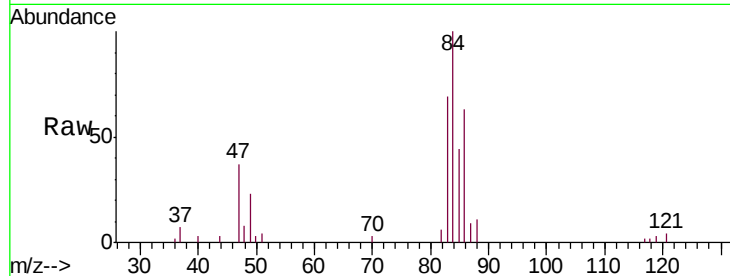




#25
Chloroform
Concen: 0.681 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

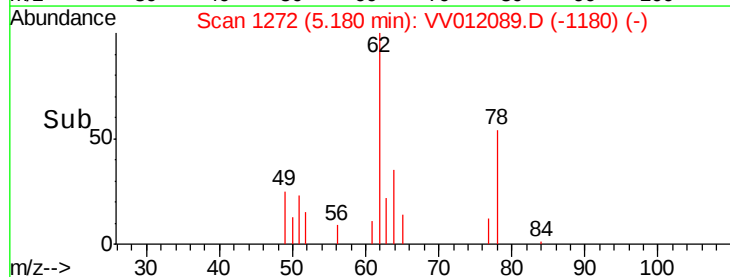
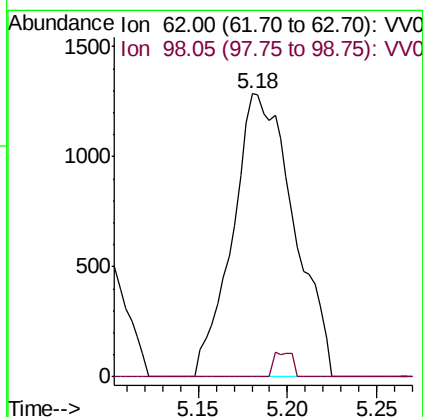
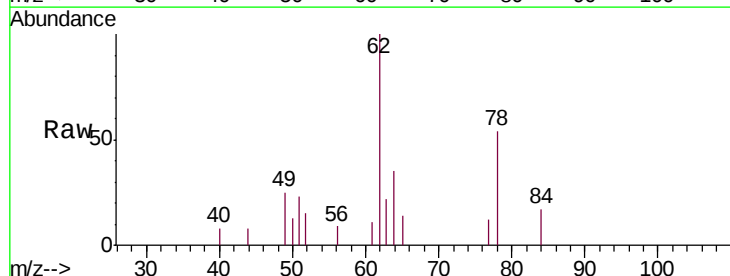
Instrument :
MSVOA_V
ClientSampleId :
MDL06

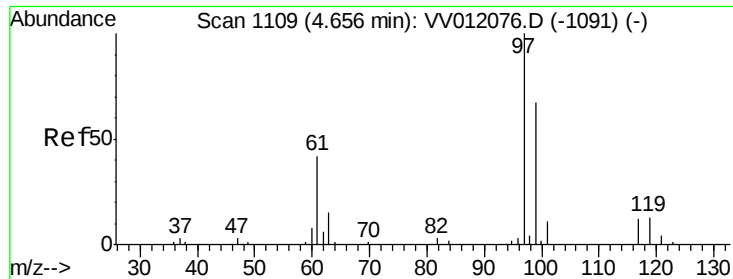
Tgt Ion: 83 Resp: 10762
Ion Ratio Lower Upper
83 100
85 64.0 44.7 83.1



#27
1,2-Dichloroethane
Concen: 0.353 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Tgt Ion: 62 Resp: 3069
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#

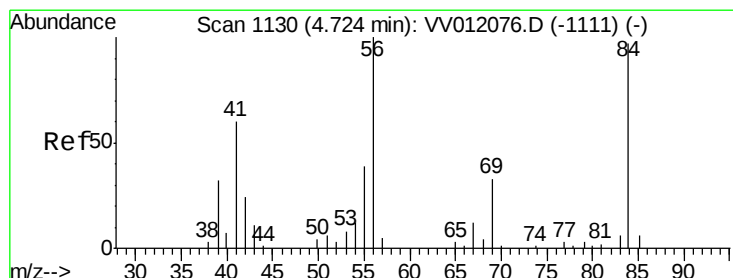
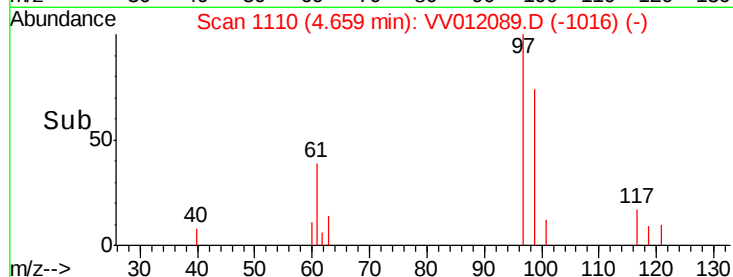
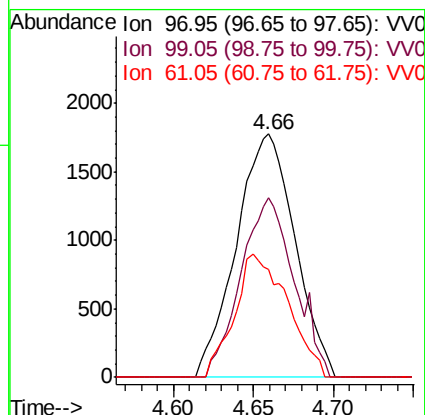
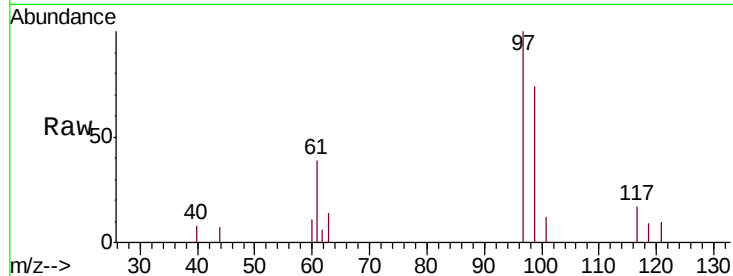




#29
1,1,1-Trichloroethane
Concen: 0.332 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

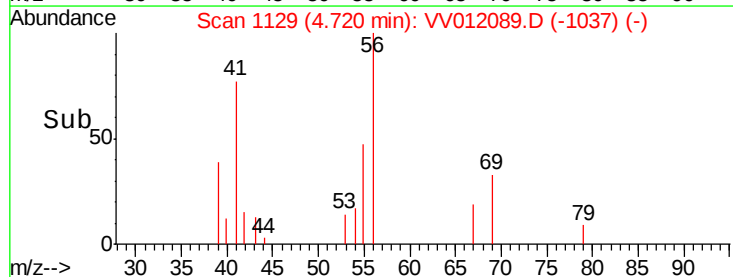
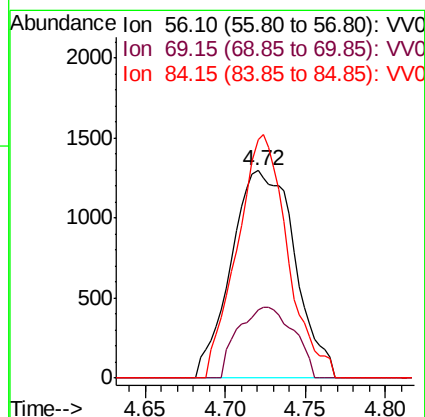
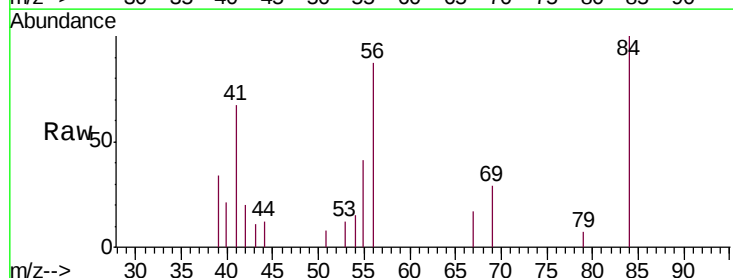
Instrument :
MSVOA_V
ClientSampleId :
MDL06

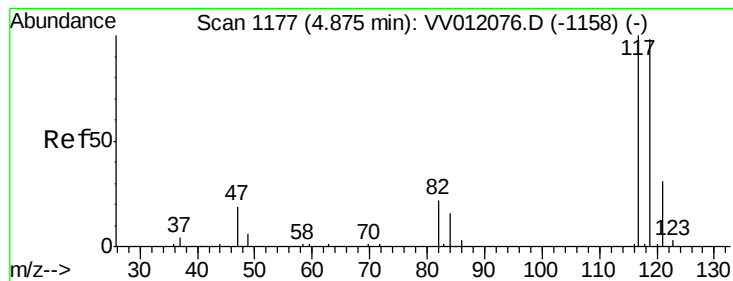
Tgt Ion: 97 Resp: 4476
Ion Ratio Lower Upper
97 100
99 67.2 51.7 77.5
61 45.7 34.2 51.2



#30
Cyclohexane
Concen: 0.343 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Tgt Ion: 56 Resp: 3530
Ion Ratio Lower Upper
56 100
69 29.8 26.0 39.0
84 92.6 79.9 119.9





#31

Carbon tetrachloride

Concen: 0.351 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampleId :

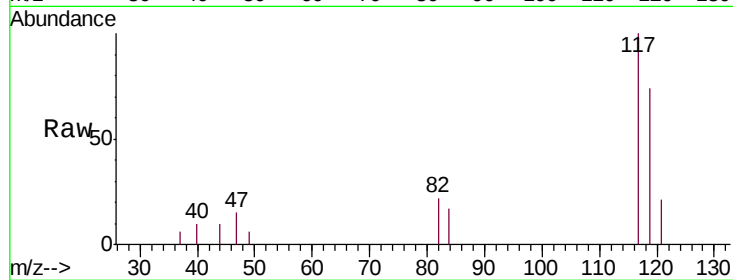
MDL06

Tgt Ion:117 Resp: 4255

Ion Ratio Lower Upper

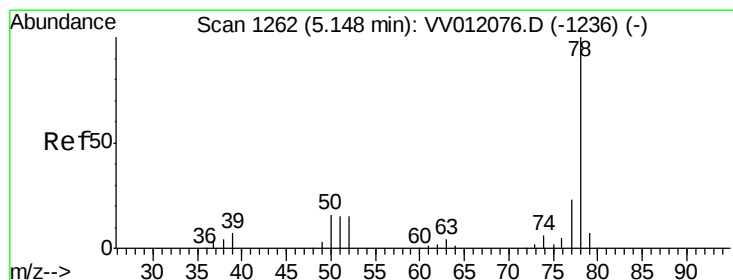
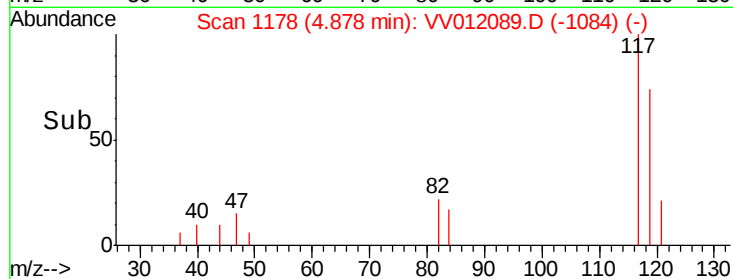
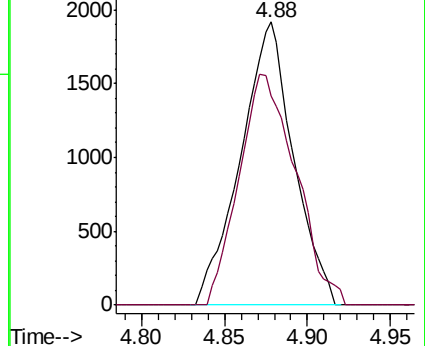
117 100

119 87.3 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.350 ug/L

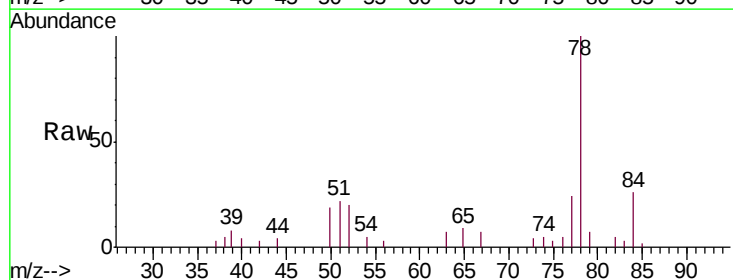
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

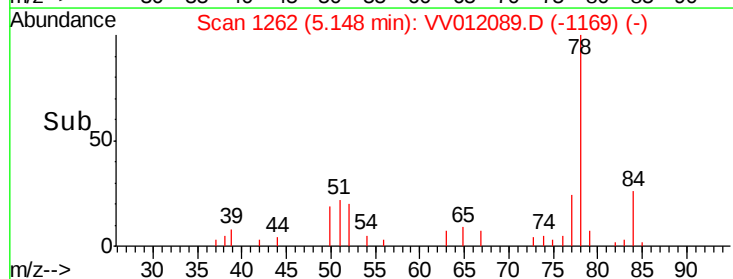
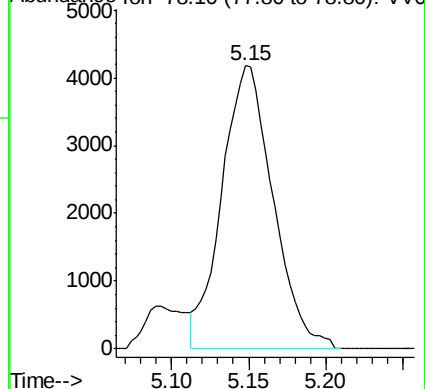
Lab File: VV012089.D

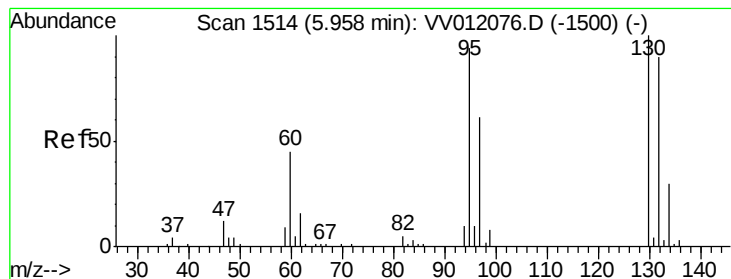
Acq: 30 Jul 2019 23:58

Tgt Ion: 78 Resp: 9627



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.356 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion: 95 Resp: 2828

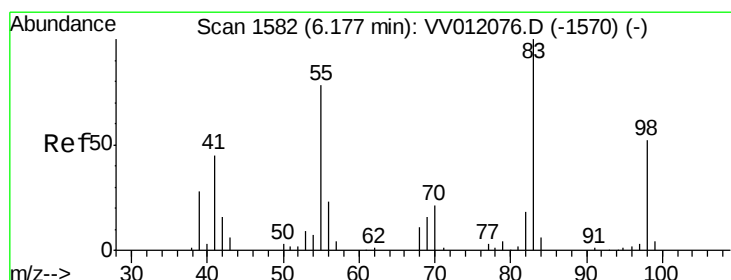
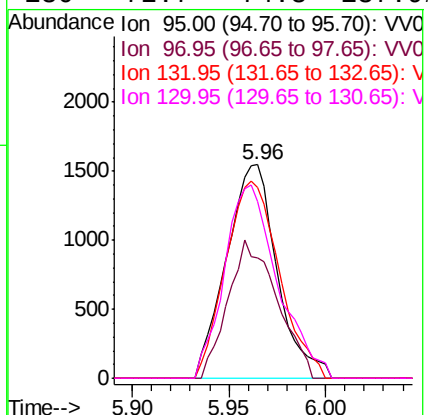
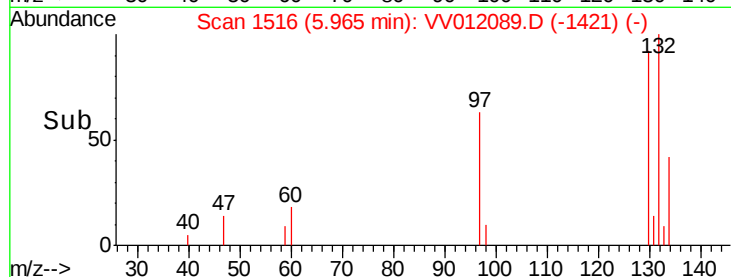
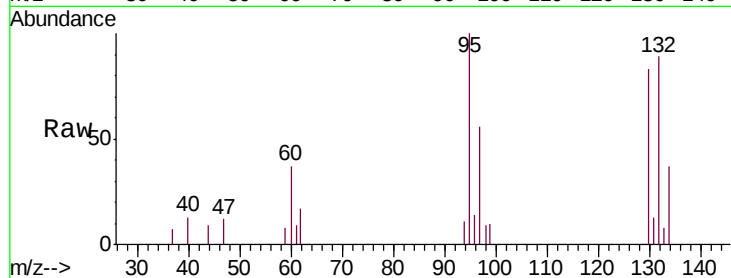
Ion Ratio Lower Upper

95 100

97 49.5 45.4 84.2

132 78.6 67.0 124.4

130 72.7 74.3 137.9#



#35

Methylcyclohexane

Concen: 0.333 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

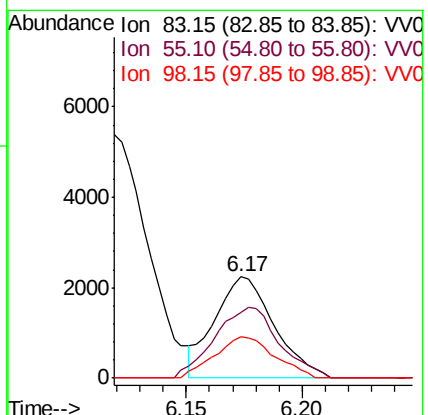
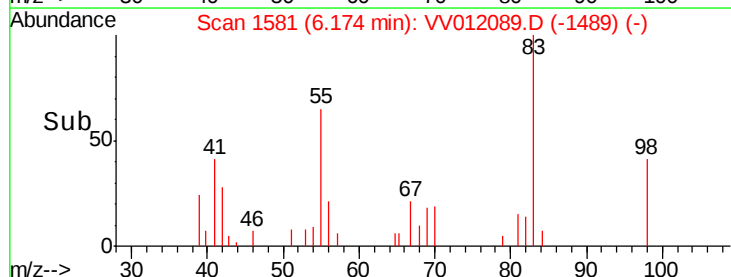
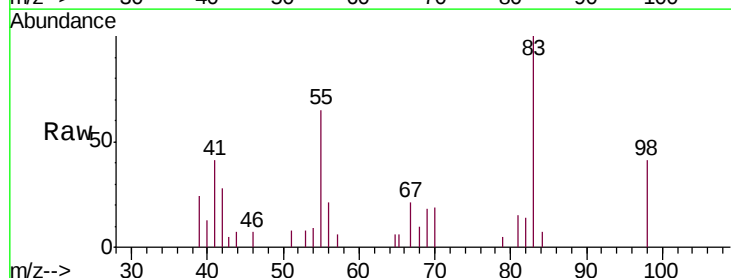
Tgt Ion: 83 Resp: 4001

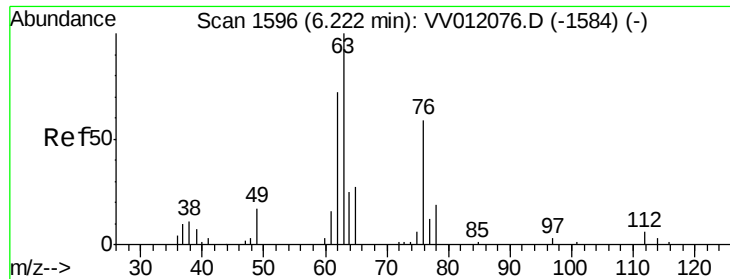
Ion Ratio Lower Upper

83 100

55 75.3 59.9 89.9

98 40.9 40.8 61.2

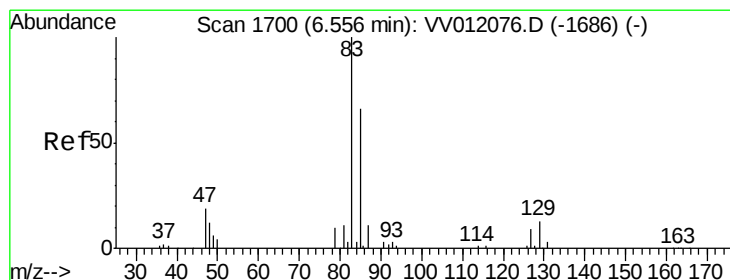
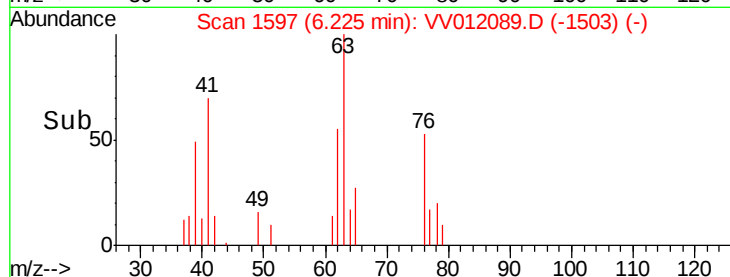
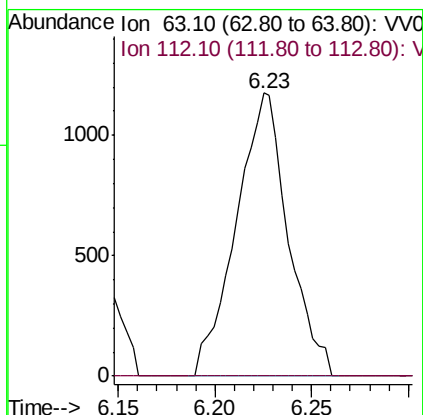
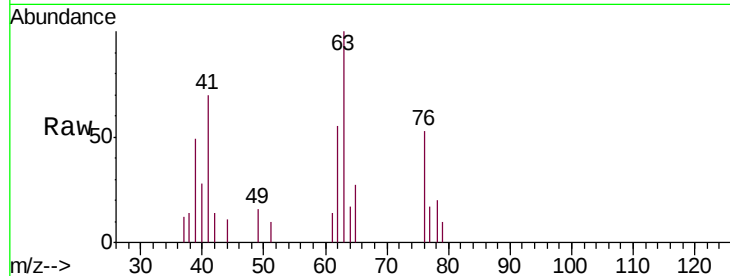




#37
 1,2-Dichloropropane
 Concen: 0.345 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

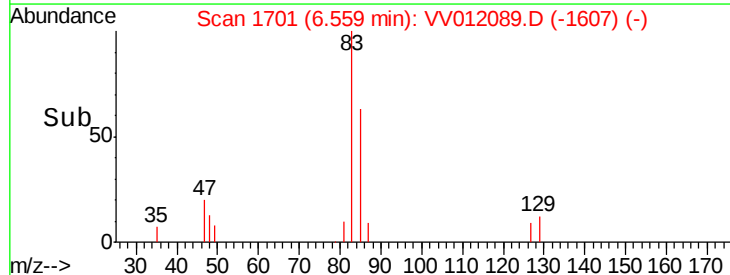
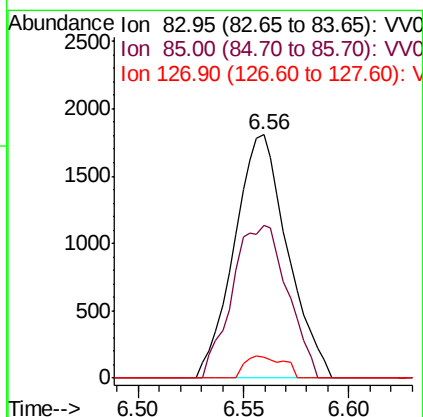
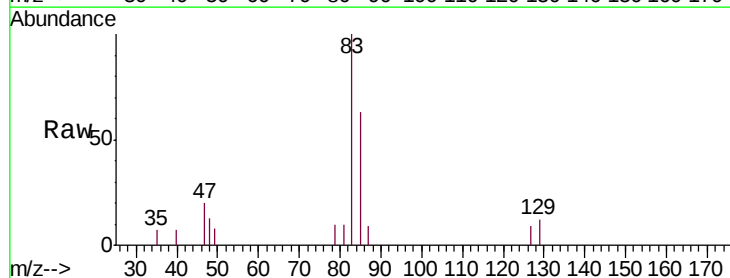
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

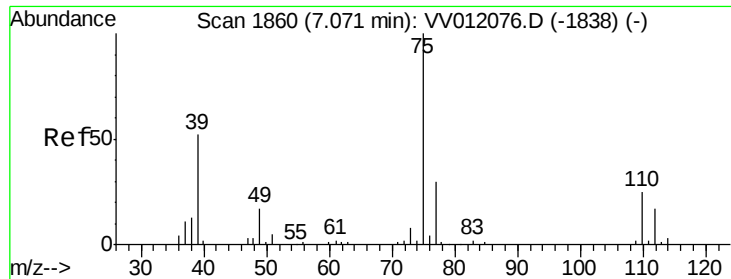
Tgt Ion: 63 Resp: 2200
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.7 7.1#



#38
 Bromodichloromethane
 Concen: 0.338 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Tgt Ion: 83 Resp: 3166
 Ion Ratio Lower Upper
 83 100
 85 63.0 46.2 85.8
 127 8.8 7.2 10.8

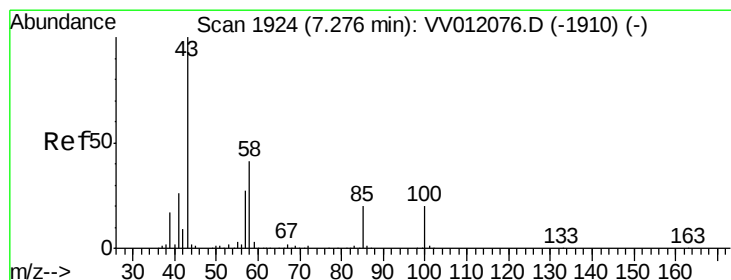
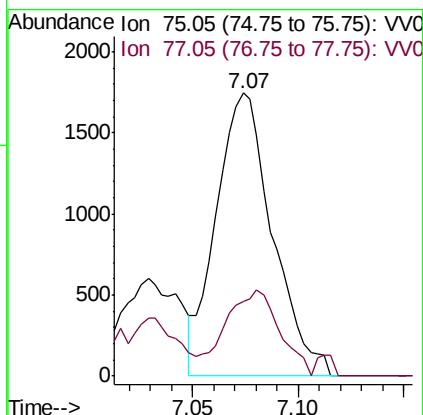
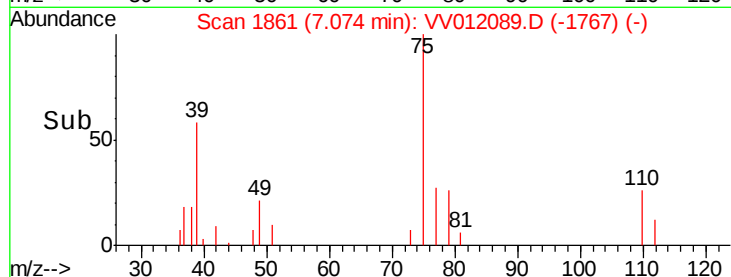
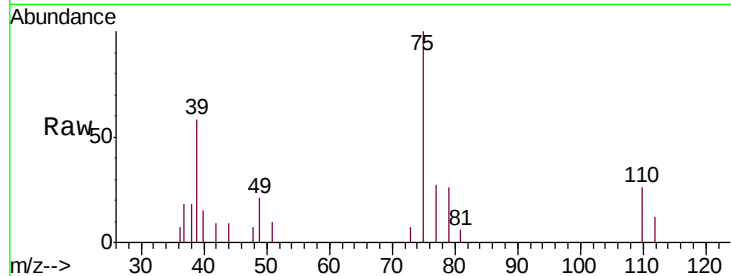




#39
 cis-1,3-Dichloropropene
 Concen: 0.327 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

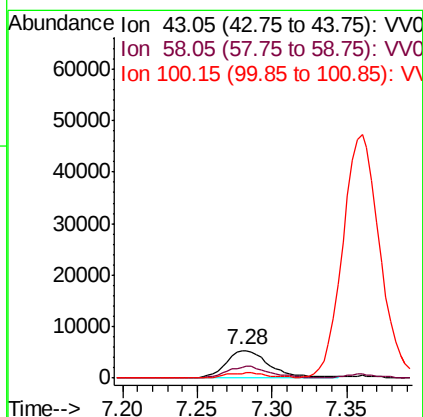
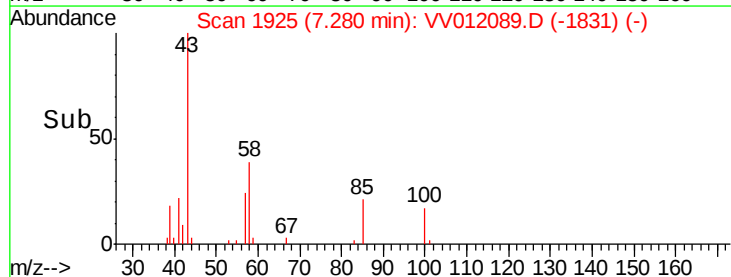
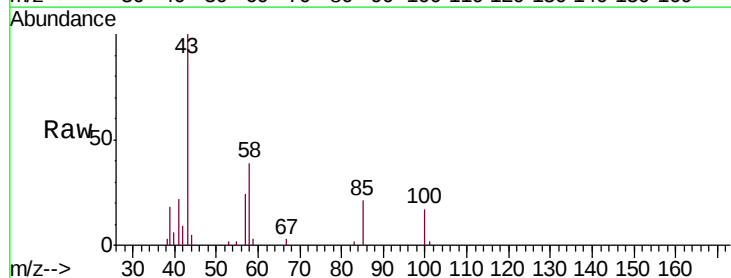
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

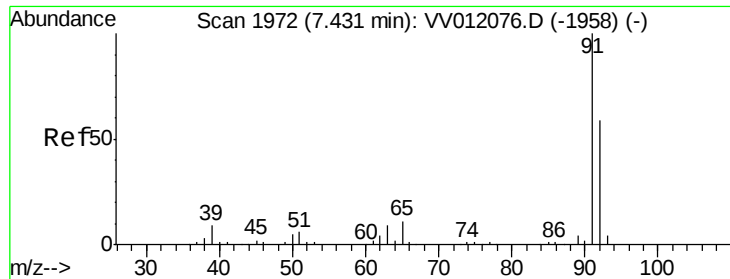
Tgt Ion: 75 Resp: 3239
 Ion Ratio Lower Upper
 75 100
 77 26.5 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 3.143 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Tgt Ion: 43 Resp: 10896
 Ion Ratio Lower Upper
 43 100
 58 40.9 31.8 47.6
 100 0.0 15.0 22.4#





#42

Toluene

Concen: 0.353 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampled :

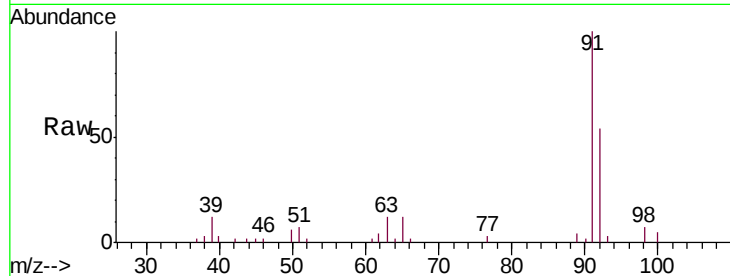
MDL06

Tgt Ion: 91 Resp: 10615

Ion Ratio Lower Upper

91 100

92 54.0 41.6 77.2



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

6000

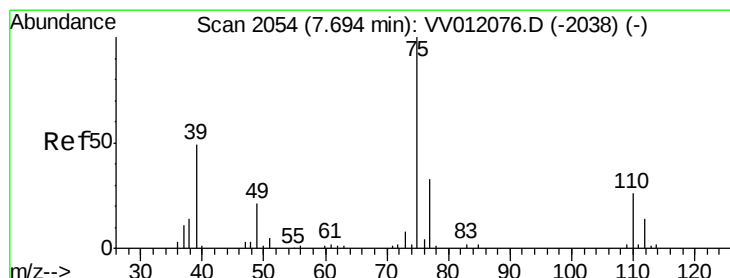
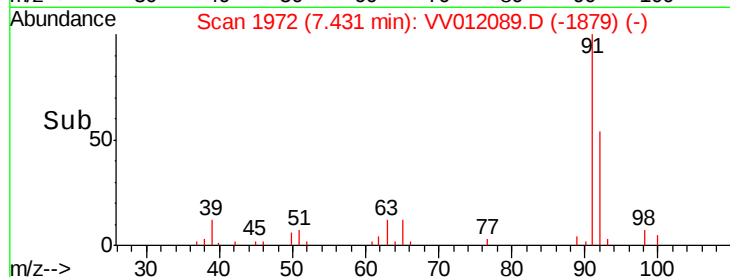
4000

2000

0

Time-->

7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 0.325 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012089.D

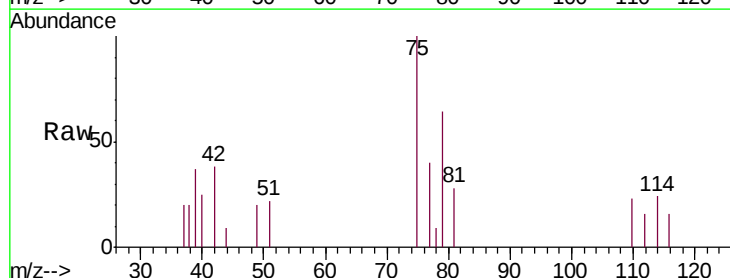
Acq: 30 Jul 2019 23:58

Tgt Ion: 75 Resp: 2603

Ion Ratio Lower Upper

75 100

77 40.4 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

1500

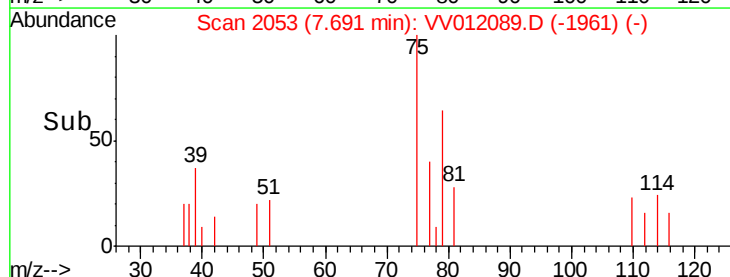
1000

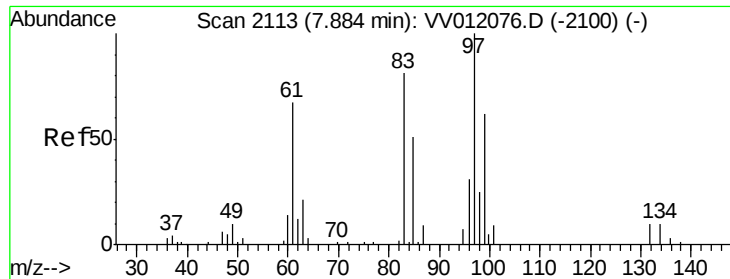
500

0

Time-->

7.65 7.70 7.75

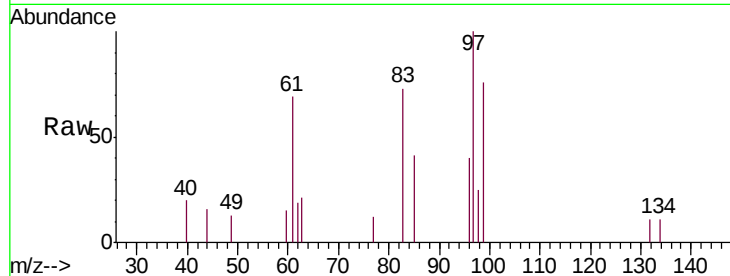




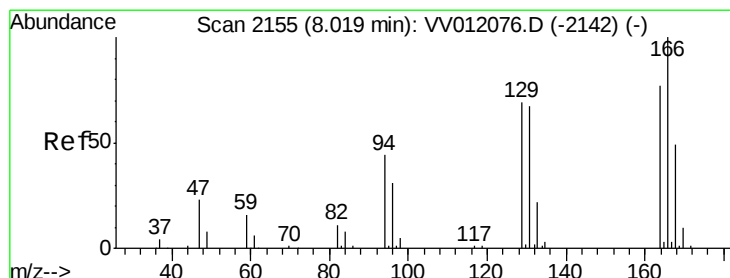
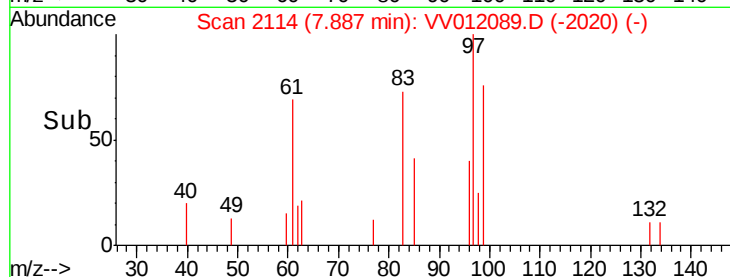
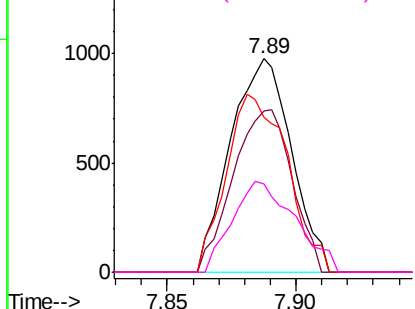
#45
 1,1,2-Trichloroethane
 Concen: 0.340 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion:	97	Resp:	1616
Ion	Ratio	Lower	Upper
97	100		
99	75.5	43.3	80.3
83	72.8	56.6	105.0
85	41.2	35.8	66.6

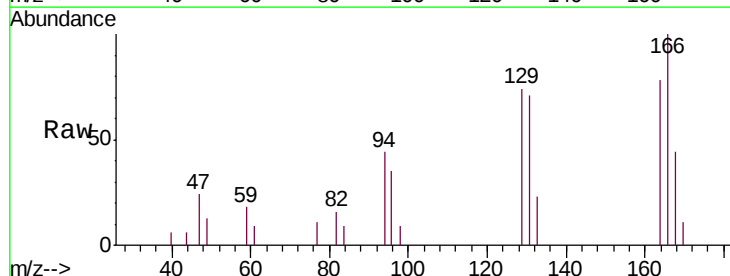


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

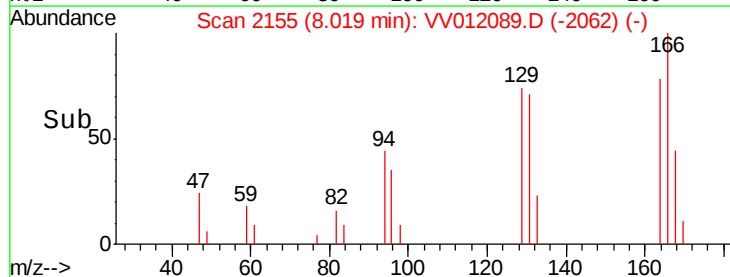
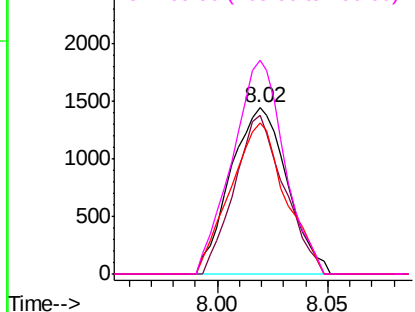


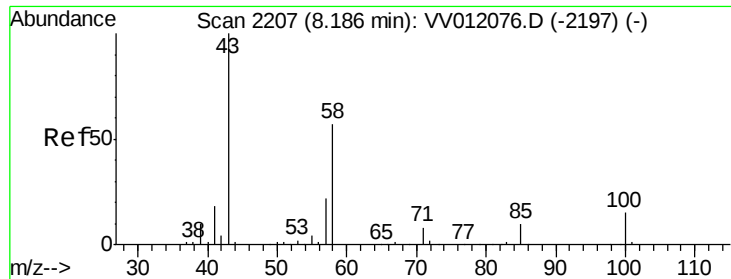
#47
 Tetrachloroethene
 Concen: 0.358 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Tgt Ion:	164	Resp:	2582
Ion	Ratio	Lower	Upper
164	100		
129	95.5	62.5	116.1
131	90.9	60.9	113.1
166	128.6	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

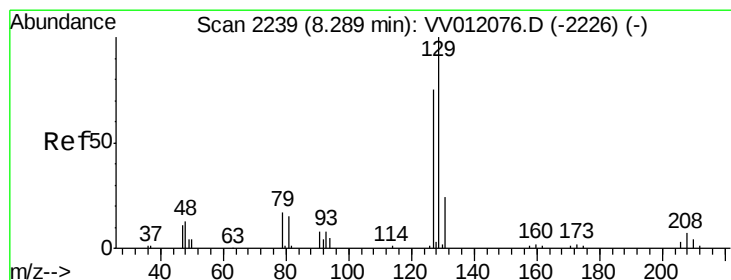
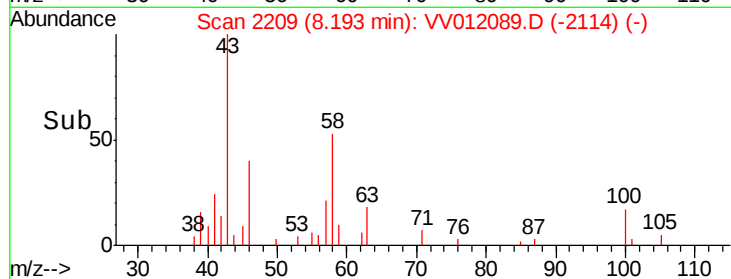
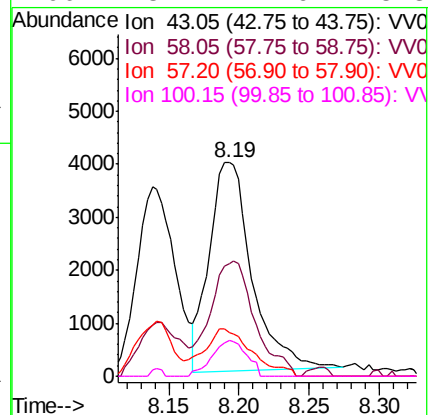
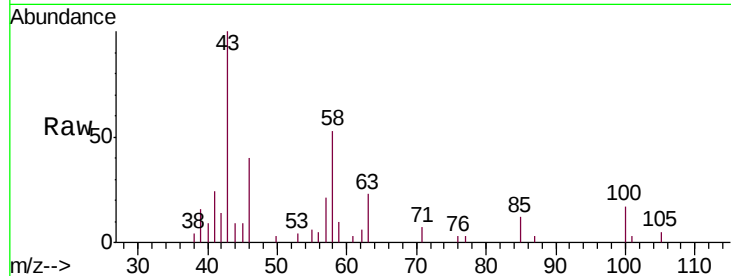




#48
2-Hexanone
Concen: 3.465 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

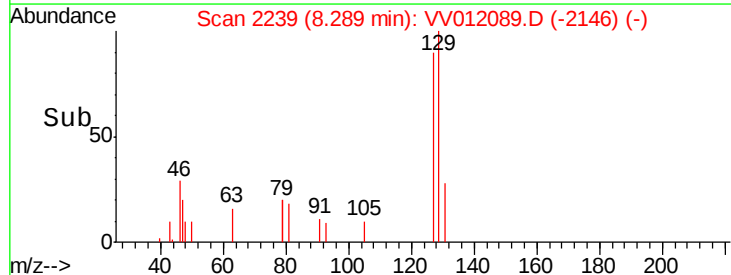
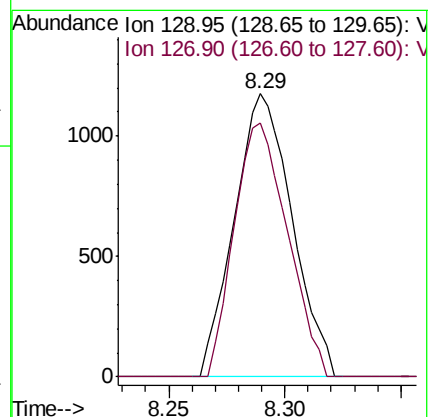
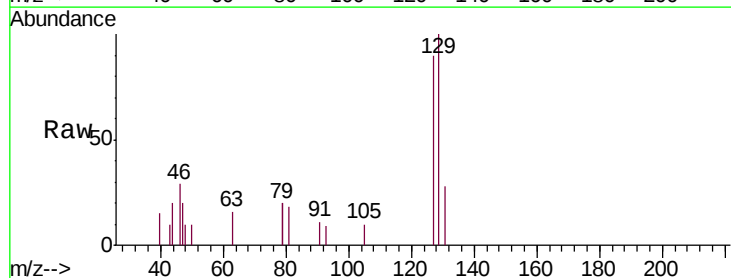
Instrument :
MSVOA_V
ClientSampleId :
MDL06

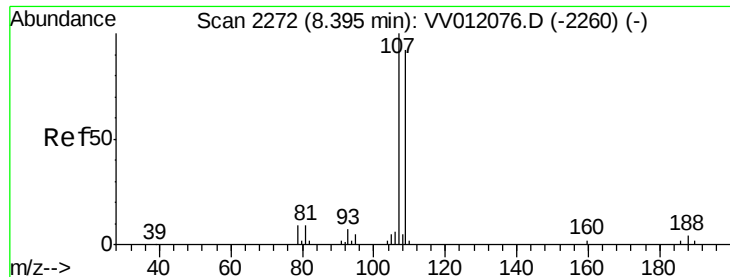
Tgt Ion: 43 Resp: 8354
Ion Ratio Lower Upper
43 100
58 57.9 45.7 68.5
57 25.5 17.0 25.4#
100 13.7 12.6 18.8



#49
Dibromochloromethane
Concen: 0.330 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Tgt Ion: 129 Resp: 2031
Ion Ratio Lower Upper
129 100
127 89.6 52.8 98.2

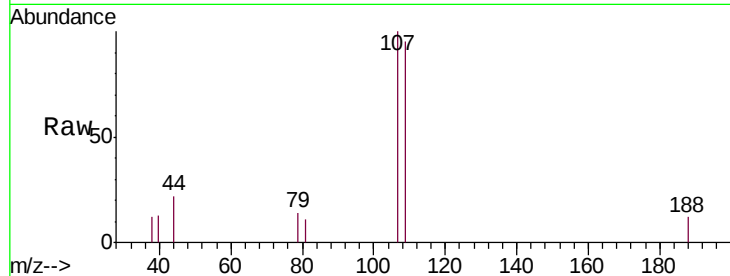




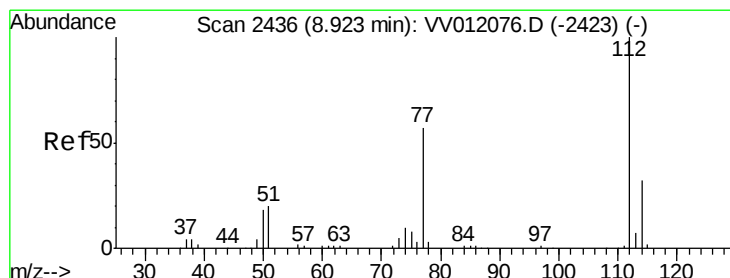
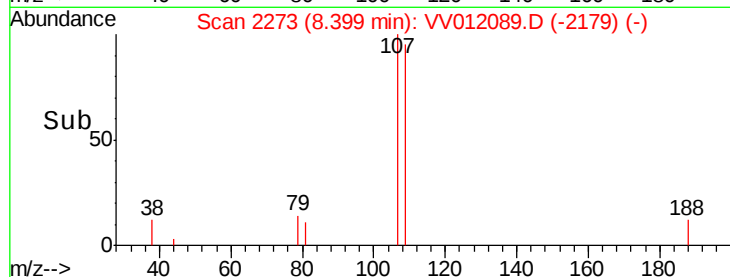
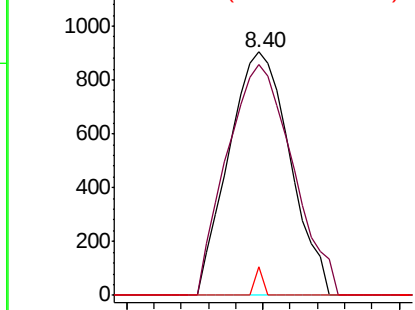
#50
1,2-Dibromoethane
Concen: 0.309 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion:107 Resp: 1407
Ion Ratio Lower Upper
107 100
109 94.7 64.7 120.1
188 11.7 3.4 5.0#

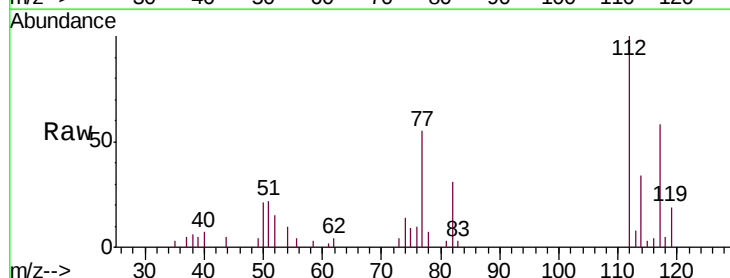


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

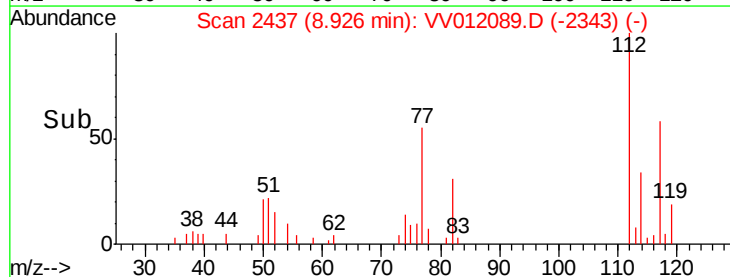
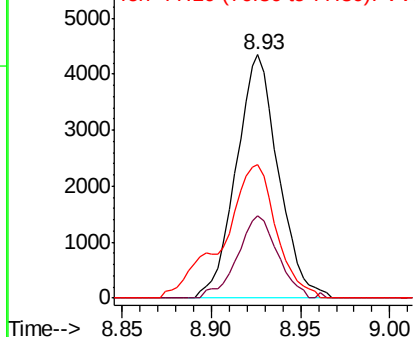


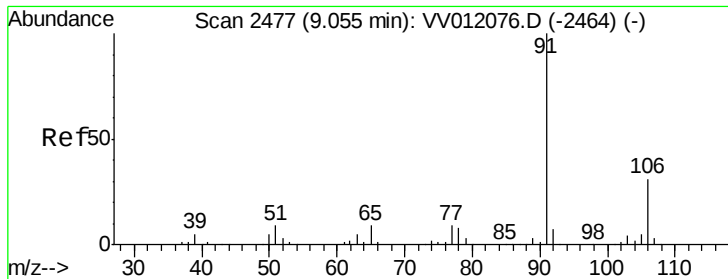
#51
Chlorobenzene
Concen: 0.352 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Tgt Ion:112 Resp: 7175
Ion Ratio Lower Upper
112 100
114 33.9 22.4 41.6
77 54.7 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): VV0





#52

Ethylbenzene

Concen: 0.317 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampleId :

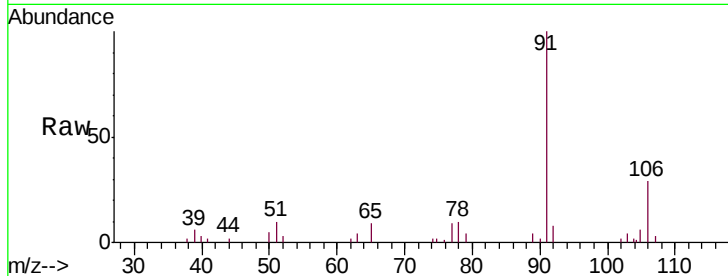
MDL06

Tgt Ion: 91 Resp: 11009

Ion Ratio Lower Upper

91 100

106 29.1 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV012076.D (-2464) (-)

Ion 106.15 (105.85 to 106.85): VV012076.D (-2464) (-)

9.05

8000

6000

4000

2000

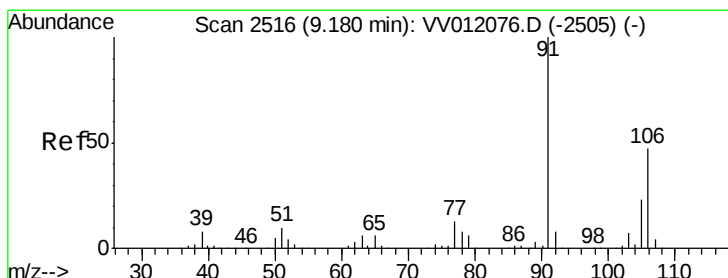
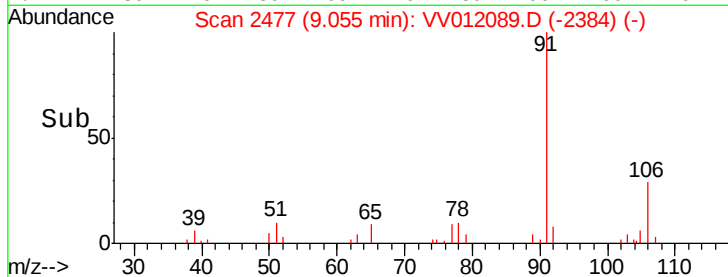
0

9.00

9.05

9.10

Time-->



#53

m,p-xylene

Concen: 0.326 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012089.D

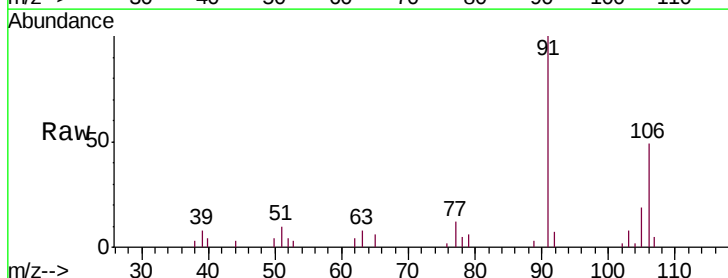
Acq: 30 Jul 2019 23:58

Tgt Ion: 106 Resp: 4343

Ion Ratio Lower Upper

106 100

91 203.5 148.7 276.3



Abundance Ion 106.15 (105.85 to 106.85): VV012076.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VV012076.D (-2505) (-)

9.18

6000

5000

4000

3000

2000

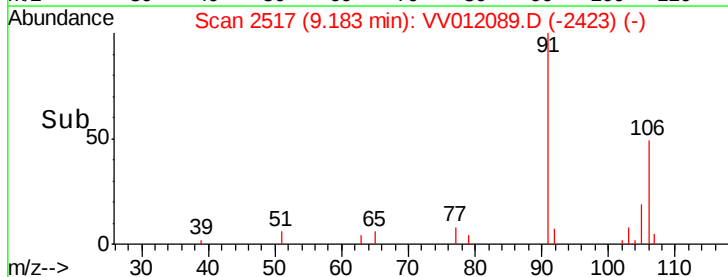
1000

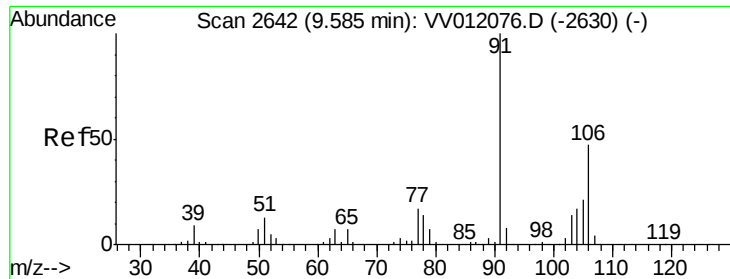
0

9.15

9.20

Time-->





#54

o-xylene

Concen: 0.337 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampled :

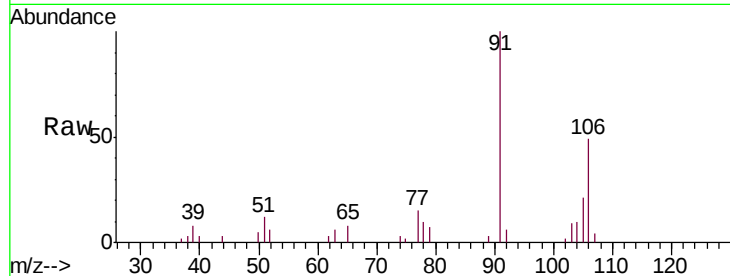
MDL06

Tgt Ion:106 Resp: 4292

Ion Ratio Lower Upper

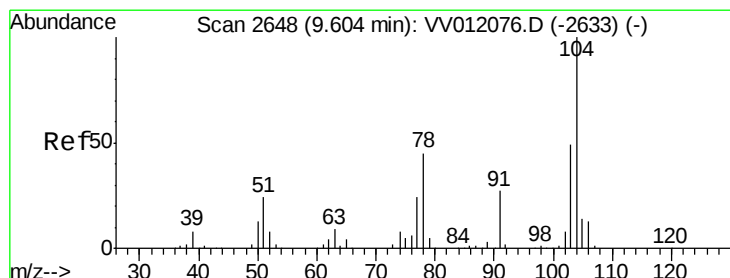
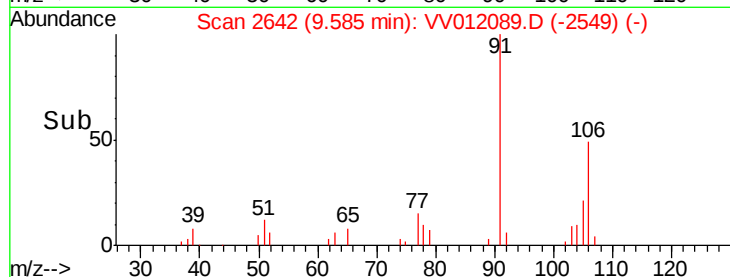
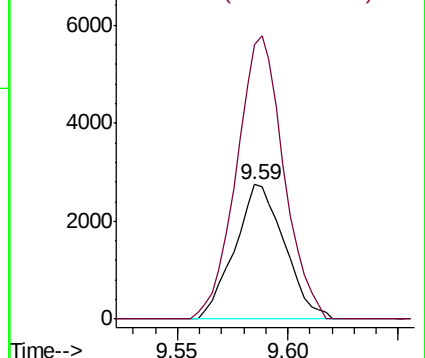
106 100

91 204.2 147.7 274.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.300 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV012089.D

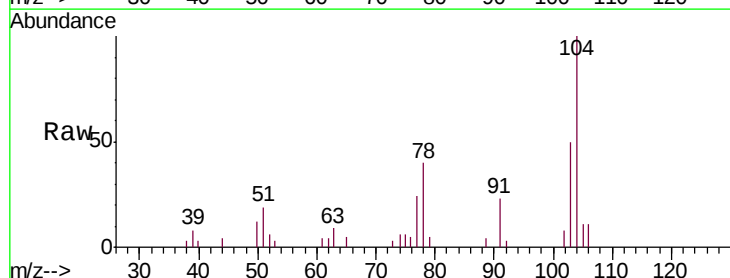
Acq: 30 Jul 2019 23:58

Tgt Ion:104 Resp: 6486

Ion Ratio Lower Upper

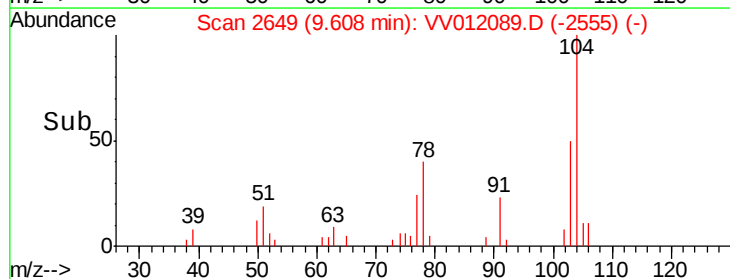
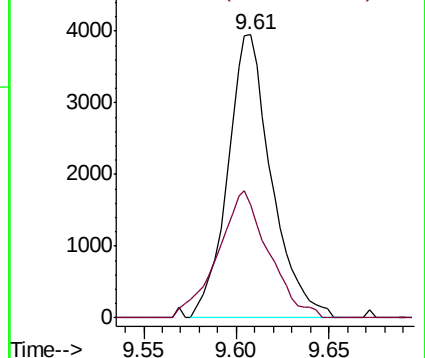
104 100

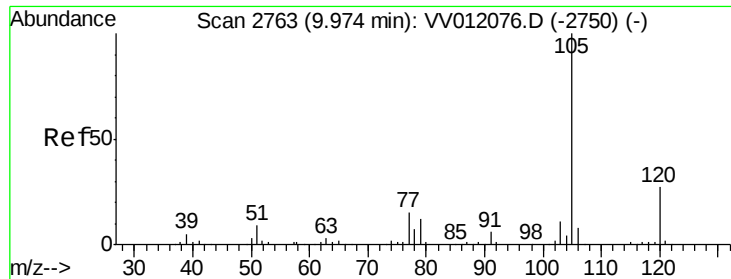
78 40.0 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.308 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampleId :

MDL06

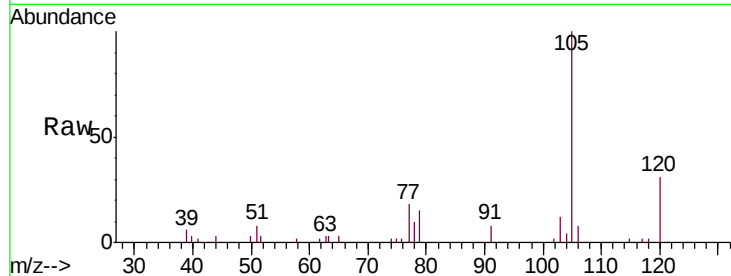
Tgt Ion: 105 Resp: 10875

Ion Ratio Lower Upper

105 100

120 28.6 21.8 32.8

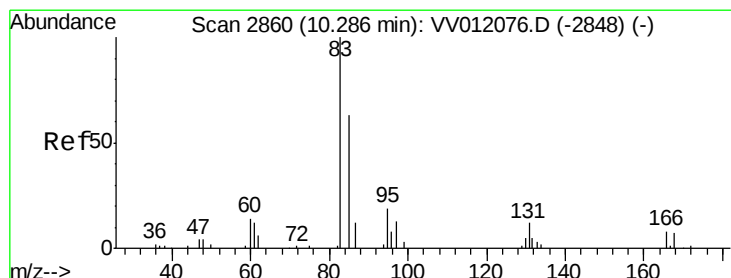
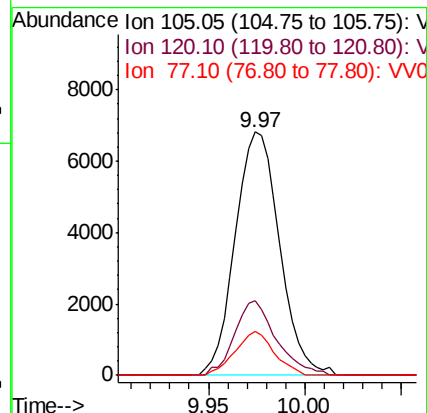
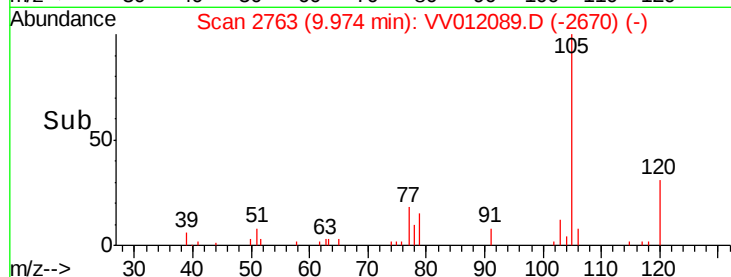
77 15.9 12.7 19.1



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.375 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

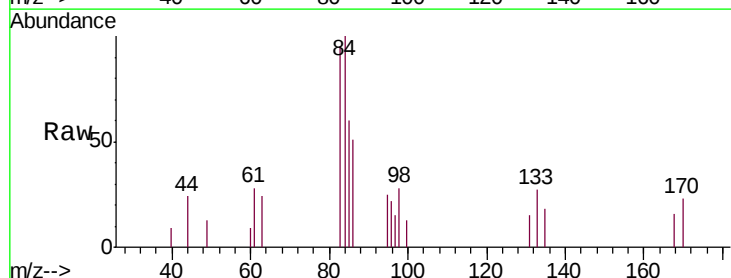
Tgt Ion: 83 Resp: 1968

Ion Ratio Lower Upper

83 100

85 62.9 45.1 83.7

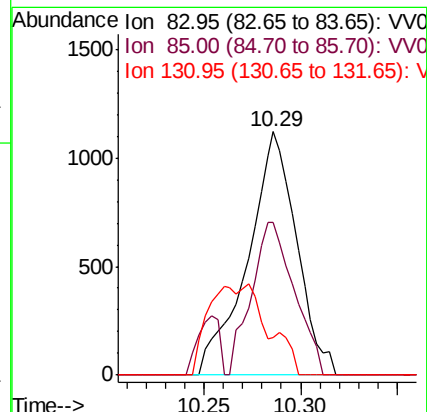
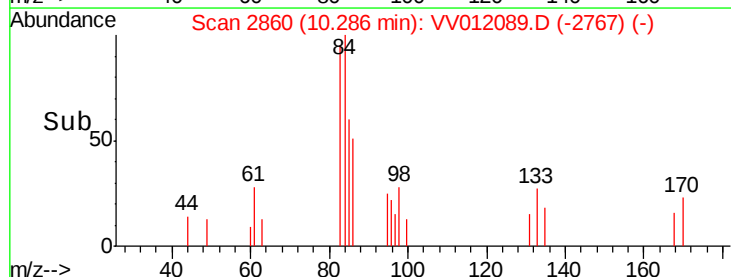
131 15.4 10.3 15.5

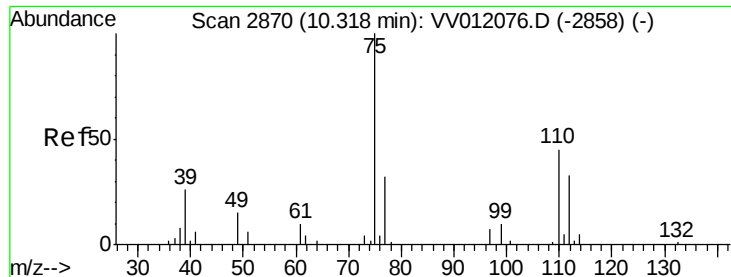


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.356 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampled :

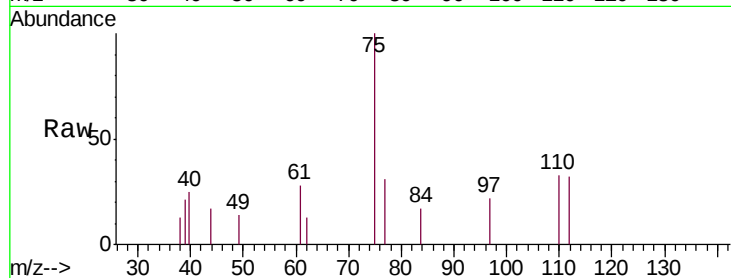
MDL06

Tgt Ion: 75 Resp: 1410

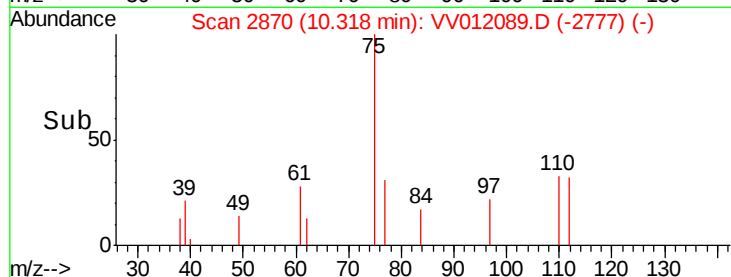
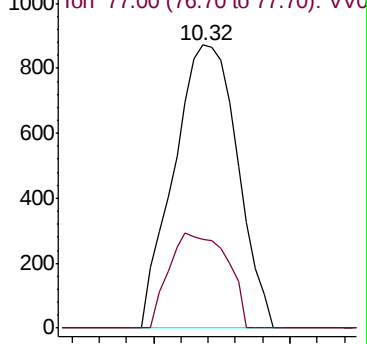
Ion Ratio Lower Upper

75 100

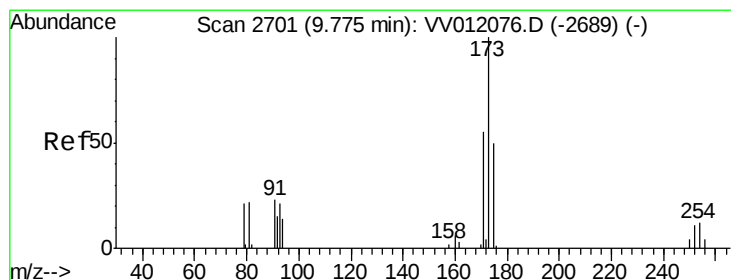
77 30.7 26.9 40.3



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



Time-->



#61

Bromoform

Concen: 0.339 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

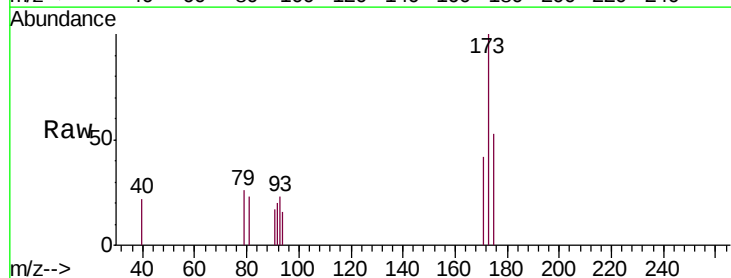
Tgt Ion: 173 Resp: 1075

Ion Ratio Lower Upper

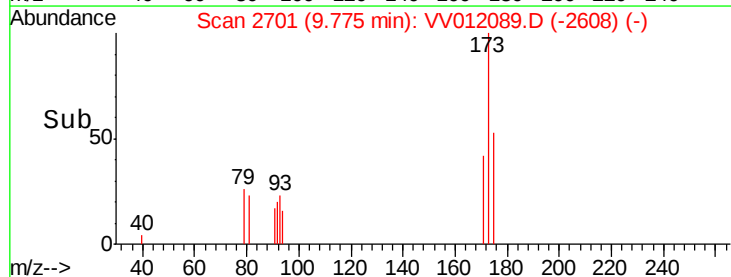
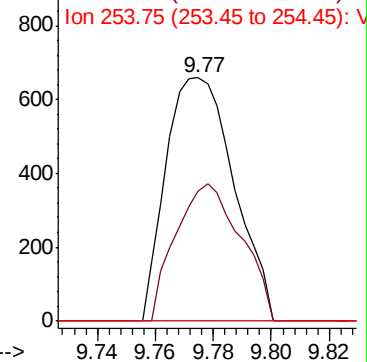
173 100

175 54.0 39.4 59.2

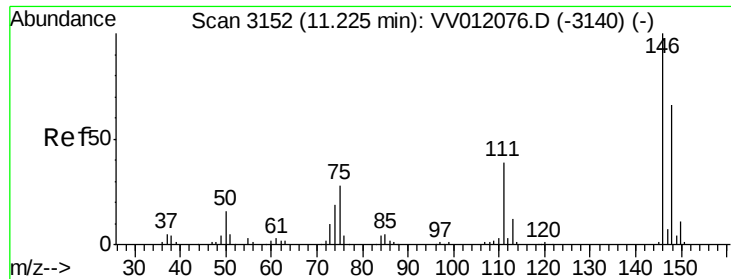
254 0.0 8.7 13.1#



Abundance Ion 172.90 (172.60 to 173.60): VV012076.D (-2689) (-)



Time-->



#62

1,3-Dichlorobenzene

Concen: 0.378 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampleId :

MDL06

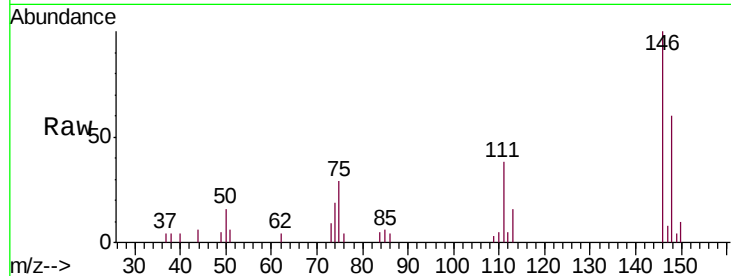
Tgt Ion:146 Resp: 6221

Ion Ratio Lower Upper

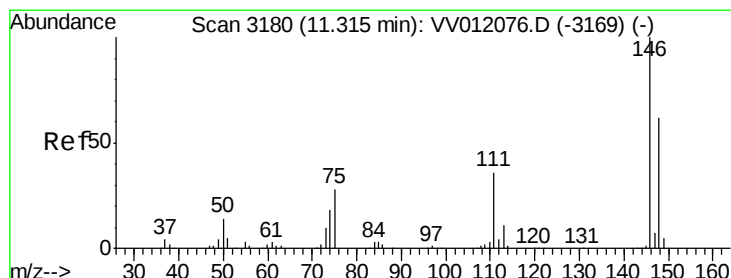
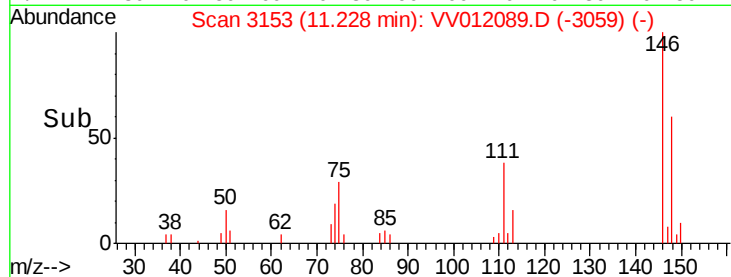
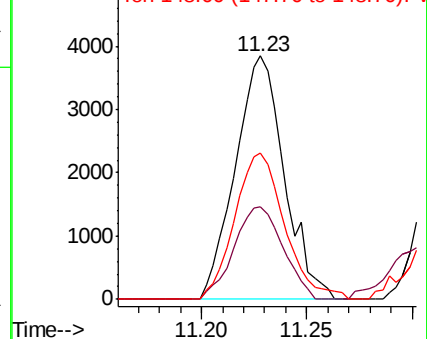
146 100

111 37.9 27.2 50.6

148 59.9 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: 0.360 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

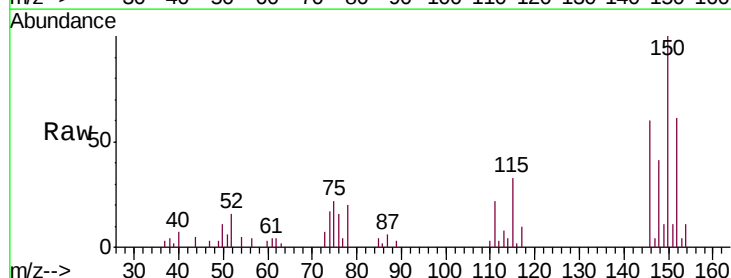
Tgt Ion:146 Resp: 6041

Ion Ratio Lower Upper

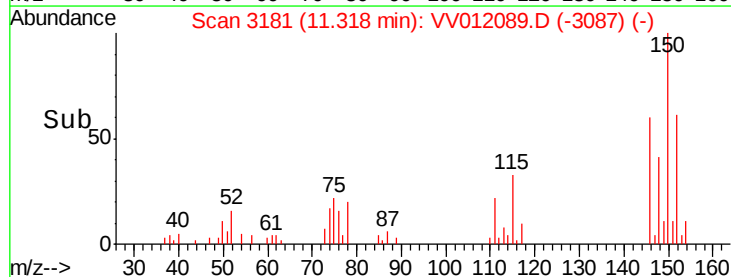
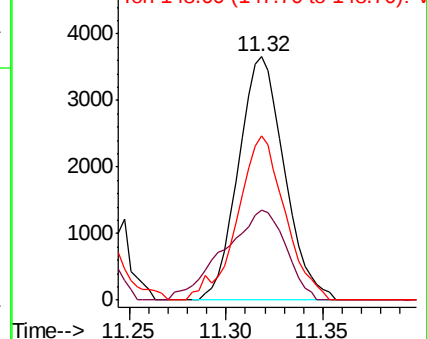
146 100

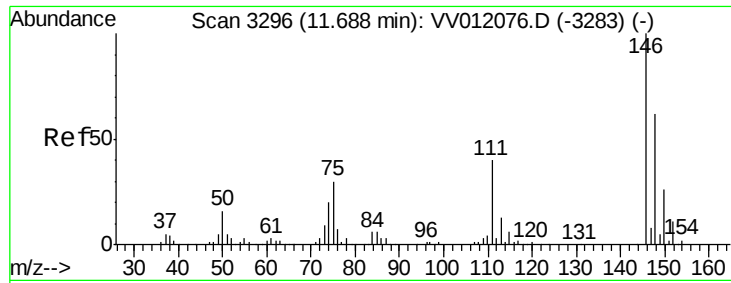
111 37.0 25.4 47.2

148 67.5 43.5 80.7



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





#65

1,2-Dichlorobenzene

Concen: 0.361 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampleId :

MDL06

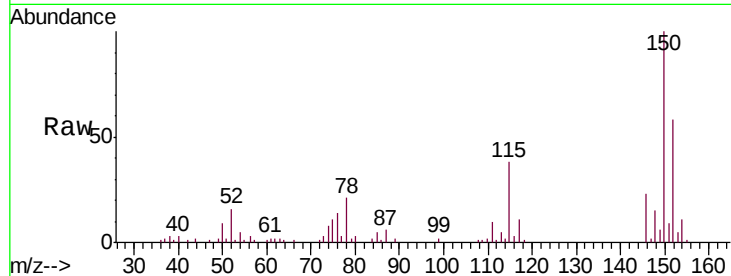
Tgt Ion:146 Resp: 5369

Ion Ratio Lower Upper

146 100

111 45.0 32.3 48.5

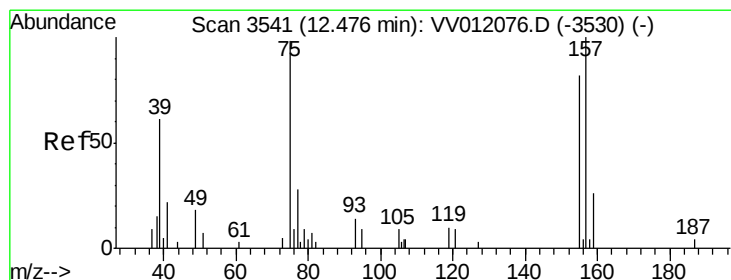
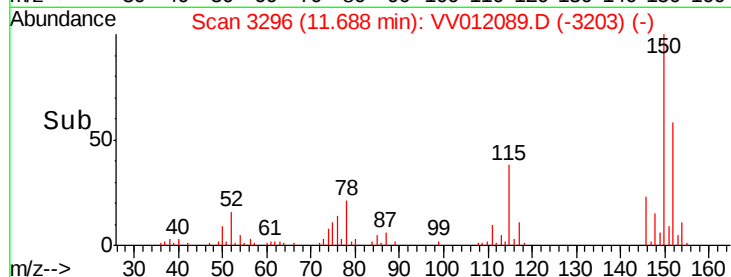
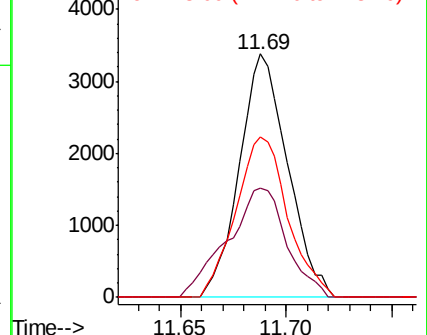
148 65.9 49.9 74.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.383 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

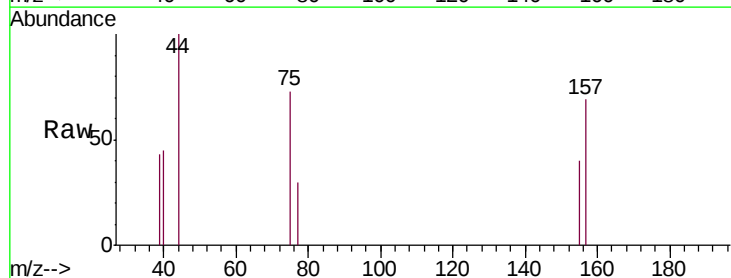
Tgt Ion: 75 Resp: 306

Ion Ratio Lower Upper

75 100

155 54.9 66.9 100.3#

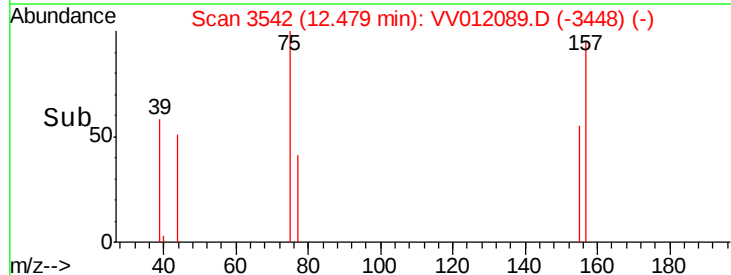
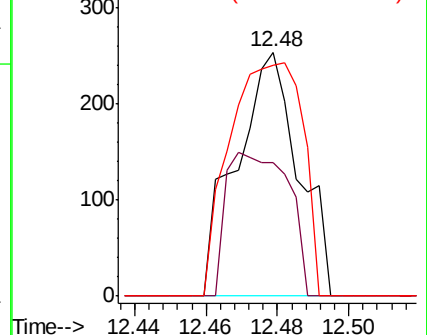
157 94.9 81.8 122.6

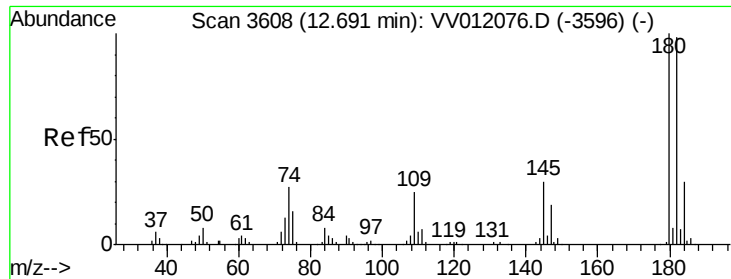


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

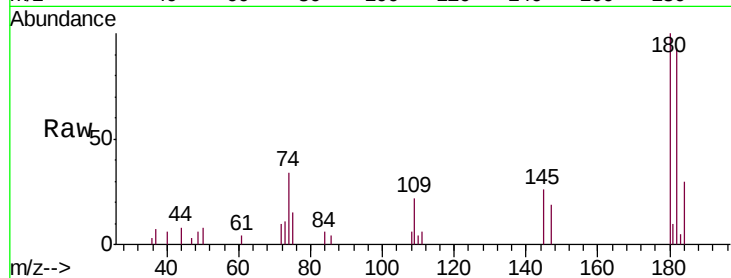




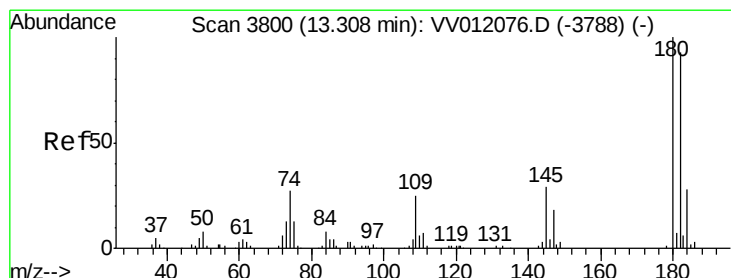
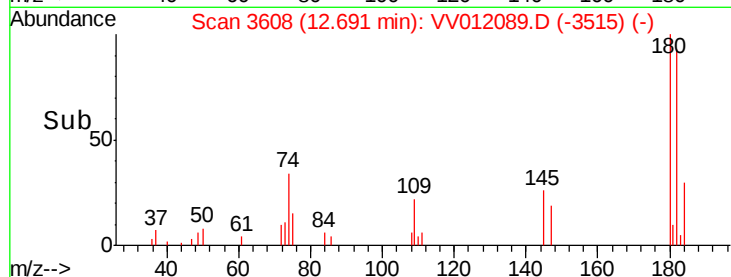
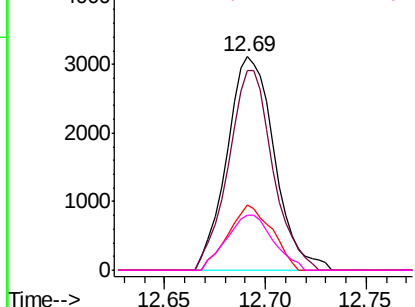
#67
 1,3,5-Trichlorobenzene
 Concen: 0.380 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion:180 Resp: 5117
 Ion Ratio Lower Upper
 180 100
 182 87.6 76.6 115.0
 184 28.3 23.8 35.8
 145 25.6 22.6 33.8

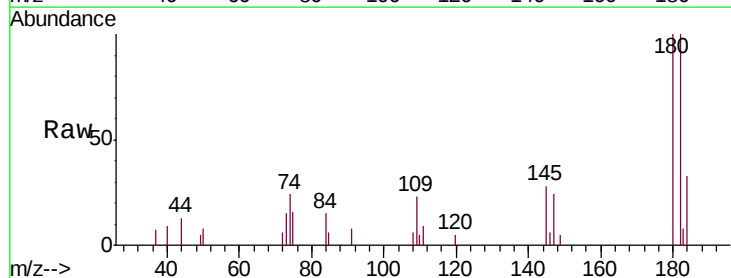


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

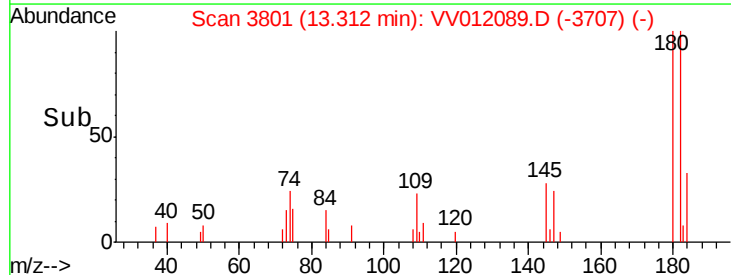
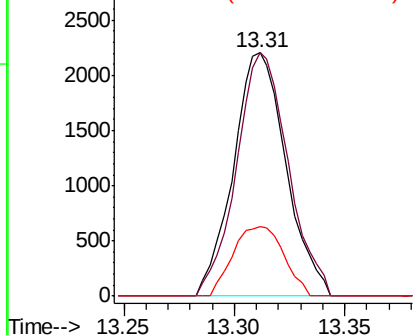


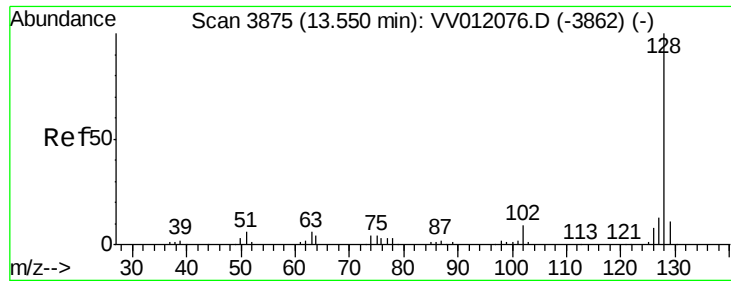
#68
 1,2,4-trichlorobenzene
 Concen: 0.336 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Tgt Ion:180 Resp: 3657
 Ion Ratio Lower Upper
 180 100
 182 98.4 75.4 113.0
 145 27.5 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: 0.312 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampleId :

MDL06

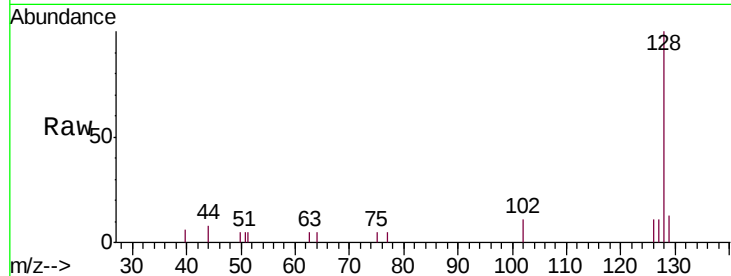
Tgt Ion:128 Resp: 4565

Ion Ratio Lower Upper

128 100

129 6.1 8.4 12.6#

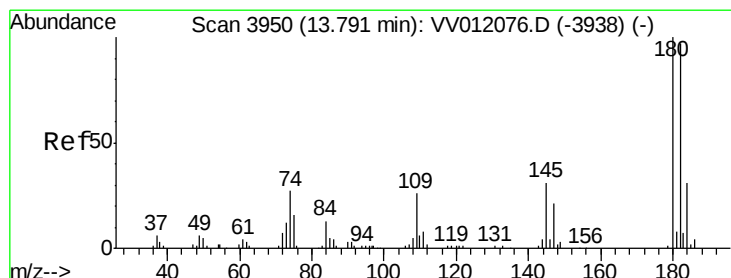
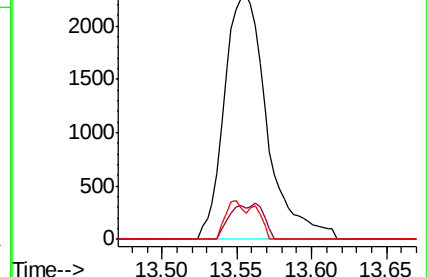
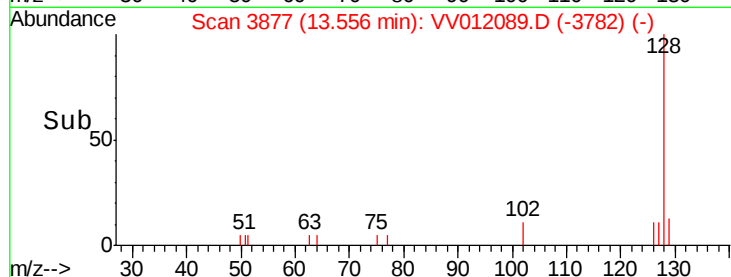
127 7.0 10.0 15.0#



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: 0.359 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

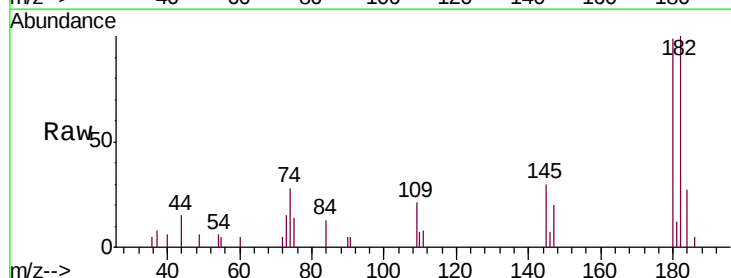
Tgt Ion:180 Resp: 3476

Ion Ratio Lower Upper

180 100

182 90.0 76.5 114.7

145 29.9 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

