

Data File : VV012064.D
Acq On : 29 Jul 2019 15:59
Operator : SY/MD
Sample : MDL02
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Quant Time: Jul 30 08:50:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 30 08:46:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	140875	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	134974	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	67855	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40082	5.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.60%
7) Chloroethane-d5	1.59	69	29411	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.13	63	59860	4.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.80%
20) 2-Butanone-d5	3.97	46	99490	54.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.88%
24) Chloroform-d	4.40	84	88970	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.08	65	51392	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
32) Benzene-d6	5.10	84	191166	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.40%
36) 1,2-Dichloropropane-d6	6.12	67	53773	5.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.20%
41) Toluene-d8	7.36	98	174717	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
43) trans-1,3-Dichloropropene-	7.67	79	21517	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.14	63	78615	53.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.94%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	37742	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
66) 1,2-Dichlorobenzene-d4	11.67	152	69543	5.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4099	0.255 ug/L	98
3) Chloromethane	1.25	50	2640	0.287 ug/L	95
5) Vinyl chloride	1.32	62	2390	0.254 ug/L #	46
6) Bromomethane	1.54	94	1326	0.236 ug/L	98
8) Chloroethane	1.60	64	1390	0.272 ug/L	95
9) Trichlorofluoromethane	1.77	101	3798	0.236 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2180	0.312 ug/L #	85
12) 1,1-Dichloroethene	2.15	96	2082	0.322 ug/L #	1
13) Acetone	2.22	43	1674	1.680 ug/L	73
14) Carbon disulfide	2.32	76	4733	0.262 ug/L #	87
15) Methyl Acetate	2.47	43	387	0.189 ug/L	97
16) Methylene chloride	2.53	84	2151	0.324 ug/L	92
17) Methyl tert-butyl Ether	2.81	73	5057	0.249 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	2732	0.293 ug/L	88
19) 1,1-Dichloroethane	3.23	63	3973	0.238 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	1152	0.116 ug/L	96
23) Bromochloromethane	4.30	128	621	0.143 ug/L	79

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.43	83	14463	0.692	ug/L	95
27) 1,2-Dichloroethane	5.19	62	3282	0.284	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	4383	0.263	ug/L	96
30) Cyclohexane	4.72	56	3870	0.271	ug/L	89
31) Carbon tetrachloride	4.87	117	3486	0.232	ug/L	99
33) Benzene	5.15	78	9710	0.265	ug/L	100
34) Trichloroethene	5.96	95	2672	0.256	ug/L	93
35) Methylcyclohexane	6.17	83	4232	0.258	ug/L	92
37) 1,2-Dichloropropane	6.22	63	2311	0.272	ug/L #	86
38) Bromodichloromethane	6.56	83	3198	0.267	ug/L	89
39) cis-1,3-Dichloropropene	7.07	75	3546	0.267	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	10813	2.260	ug/L #	85
42) Toluene	7.43	91	10071	0.247	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	2511	0.234	ug/L	88
45) 1,1,2-Trichloroethane	7.89	97	1779	0.275	ug/L	85
47) Tetrachloroethene	8.02	164	2801	0.307	ug/L	85
48) 2-Hexanone	8.19	43	9540	2.821	ug/L	95
49) Dibromochloromethane	8.29	129	1934	0.244	ug/L	87
50) 1,2-Dibromoethane	8.40	107	1610	0.266	ug/L #	97
51) Chlorobenzene	8.93	112	6930	0.254	ug/L	96
52) Ethylbenzene	9.05	91	11468	0.247	ug/L	96
53) m,p-xylene	9.18	106	4345	0.245	ug/L	96
54) o-xylene	9.59	106	3963	0.236	ug/L	93
55) Styrene	9.60	104	5648	0.200	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.29	83	1940	0.279	ug/L #	97
59) Bromoform	9.77	173	1048	0.255	ug/L #	94
60) Isopropylbenzene	9.97	105	10610	0.245	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	1186	0.240	ug/L #	89
62) 1,3,5-Trimethylbenzene	10.58	105	7771	0.217	ug/L	94
63) 1,2,4-Trimethylbenzene	10.96	105	7780	0.219	ug/L	99
64) 1,3-Dichlorobenzene	11.23	146	5911	0.274	ug/L	97
65) 1,4-Dichlorobenzene	11.32	146	6084	0.276	ug/L	95
67) 1,2-Dichlorobenzene	11.69	146	5576	0.284	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.48	75	239	0.234	ug/L	86
69) 1,3,5-Trichlorobenzene	12.69	180	5078	0.284	ug/L	88
70) 1,2,4-trichlorobenzene	13.31	180	3903	0.276	ug/L #	89
71) Naphthalene	13.56	128	4899	0.250	ug/L	96
72) 1,2,3-Trichlorobenzene	13.80	180	3094	0.247	ug/L	98

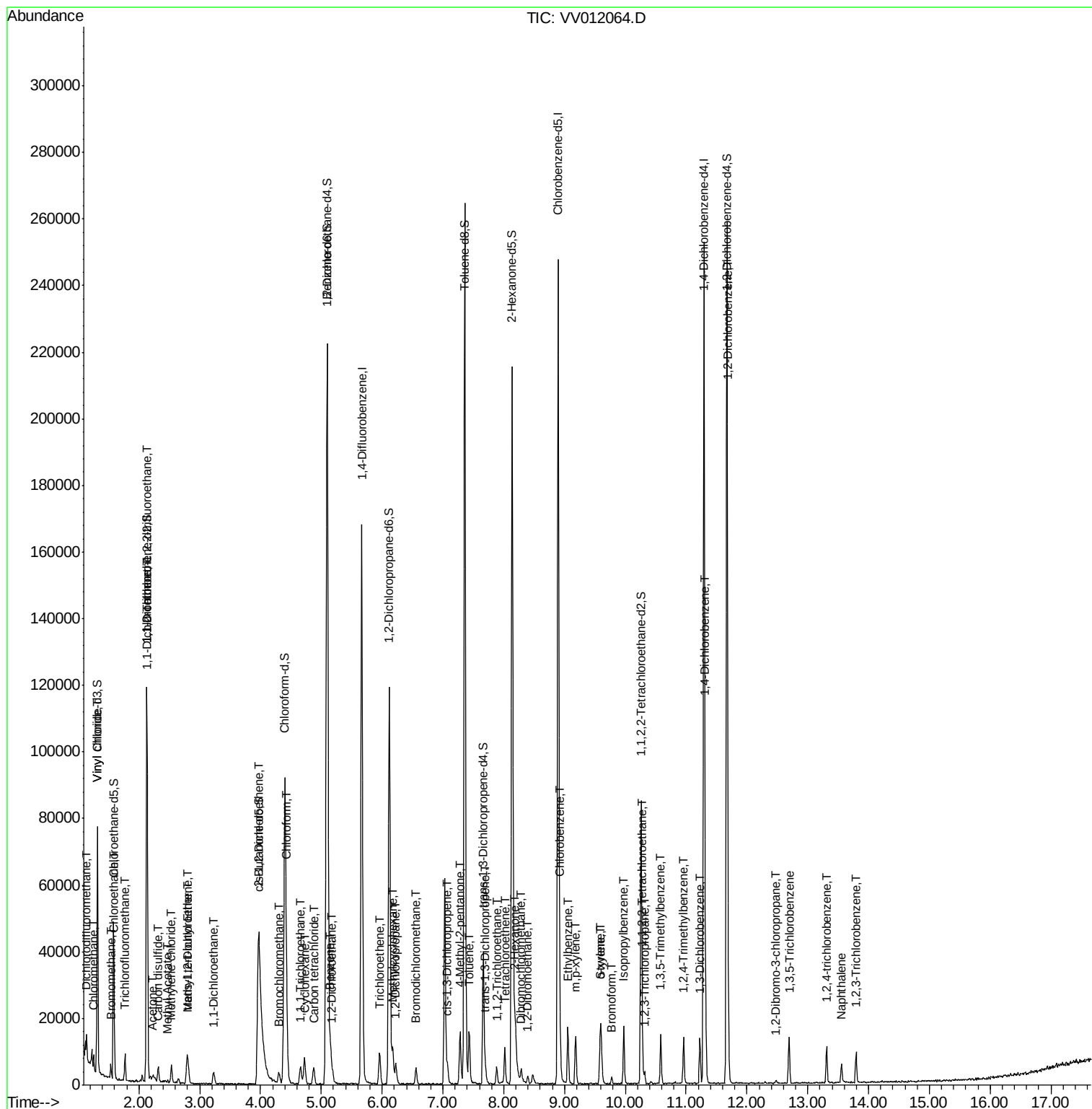
(#) = qualifier out of range (m) = manual integration (+) = signals summed

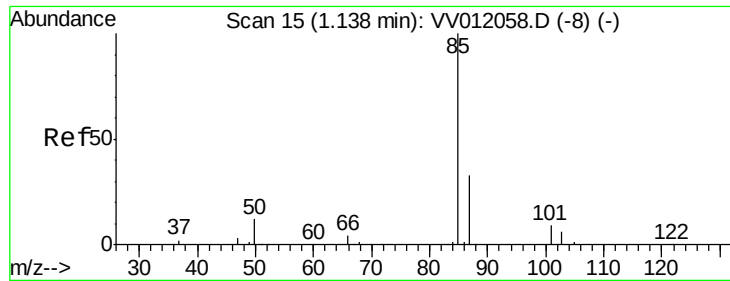
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#2

Dichlorodifluoromethane

Concen: 0.255 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

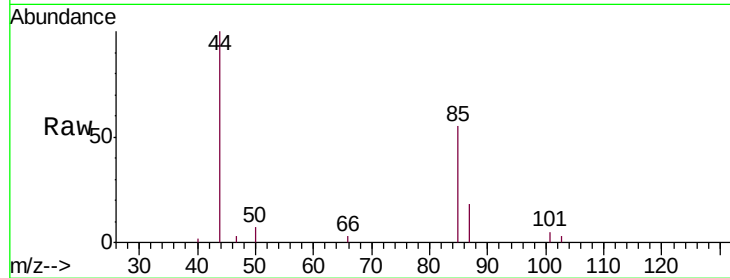
MDL02

Tgt Ion: 85 Resp: 4099

Ion Ratio Lower Upper

85 100

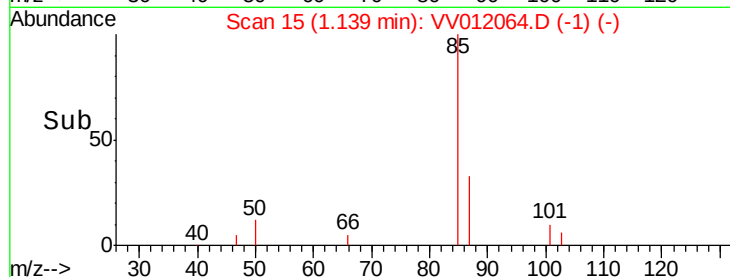
87 31.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV012058.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012058.D (-8) (-)

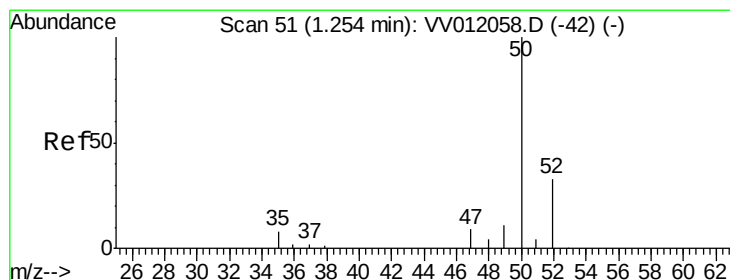
Time-->



Abundance Ion 85.00 (84.70 to 85.70): VV012064.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV012064.D (-1) (-)

Time-->



#3

Chloromethane

Concen: 0.287 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012064.D

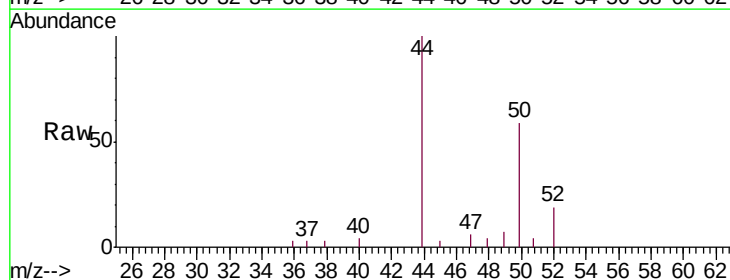
Acq: 29 Jul 2019 15:59

Tgt Ion: 50 Resp: 2640

Ion Ratio Lower Upper

50 100

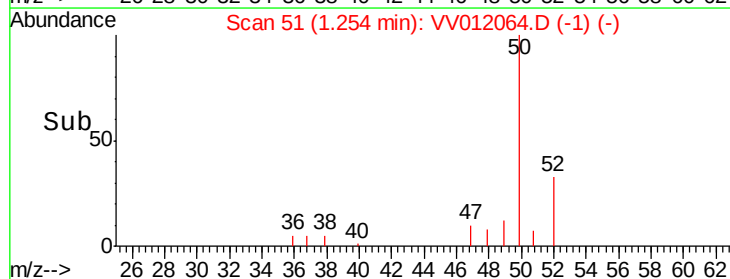
52 30.5 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV012058.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV012058.D (-42) (-)

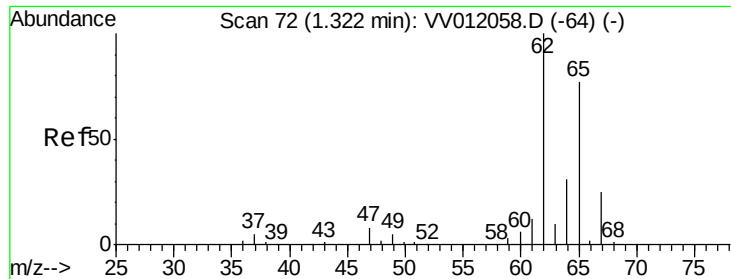
Time-->



Abundance Ion 50.05 (49.75 to 50.75): VV012064.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV012064.D (-1) (-)

Time-->



#5

Vinyl chloride

Concen: 0.254 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

Instrument :

MSVOA_V

ClientSampled :

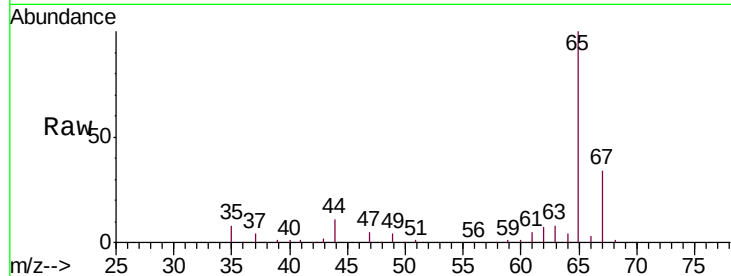
MDL02

Tgt Ion: 62 Resp: 2390

Ion Ratio Lower Upper

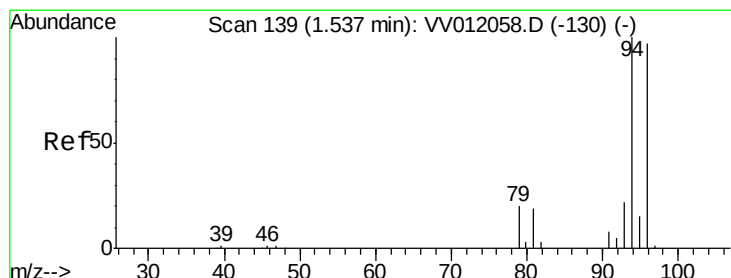
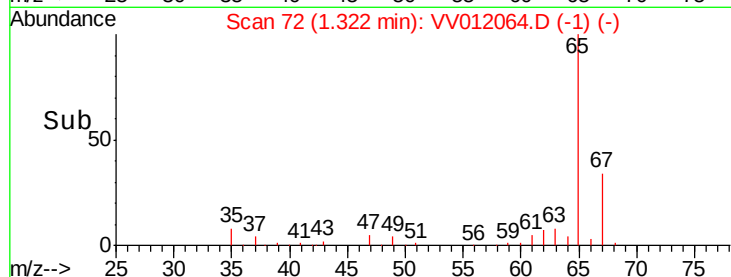
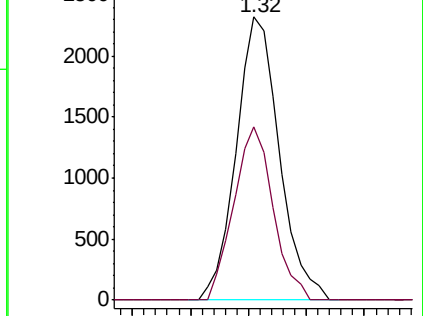
62 100

64 61.3 22.0 41.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.236 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012064.D

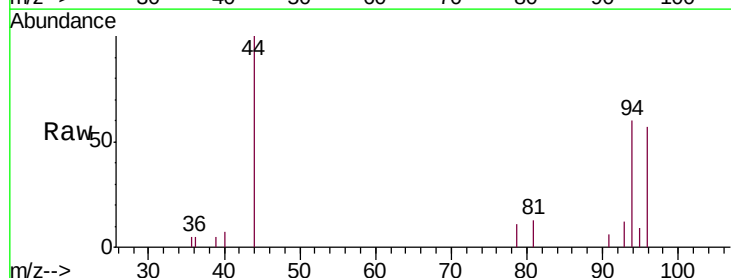
Acq: 29 Jul 2019 15:59

Tgt Ion: 94 Resp: 1326

Ion Ratio Lower Upper

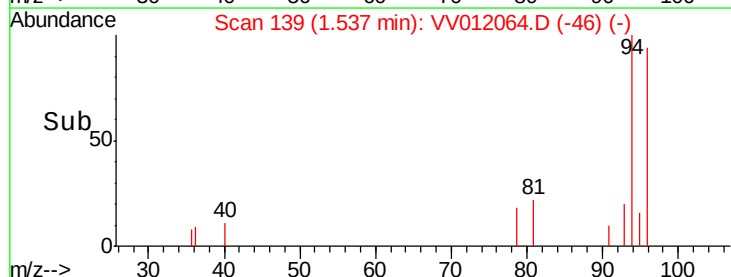
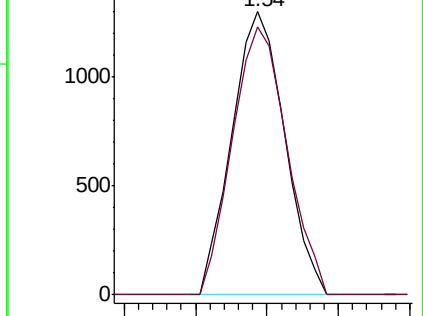
94 100

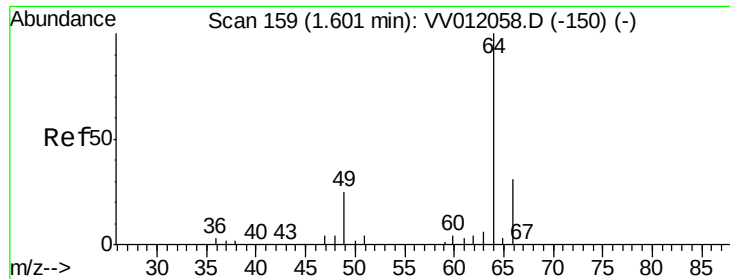
96 94.4 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.272 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

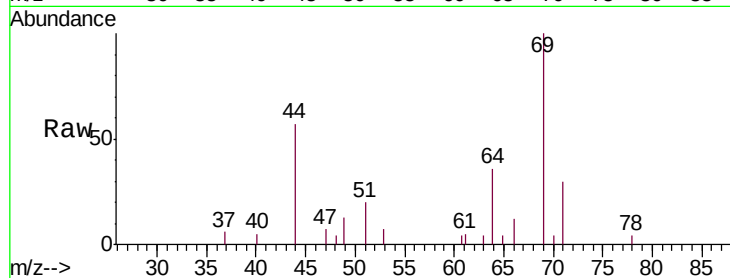
MDL02

Tgt Ion: 64 Resp: 1390

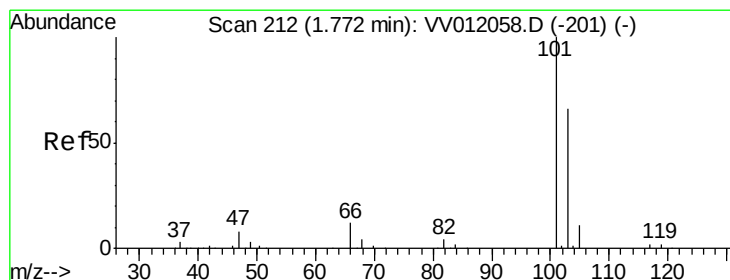
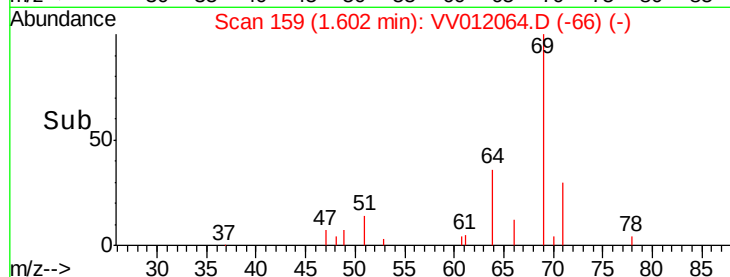
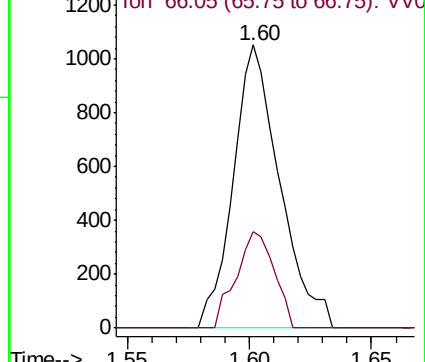
Ion Ratio Lower Upper

64 100

66 34.0 21.7 40.3



Abundance Ion 64.10 (63.80 to 64.80): VV012058.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 0.236 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012064.D

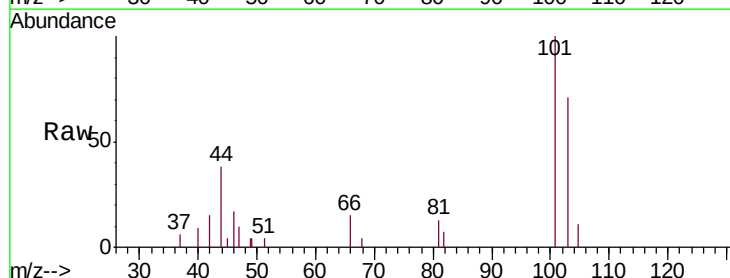
Acq: 29 Jul 2019 15:59

Tgt Ion: 101 Resp: 3798

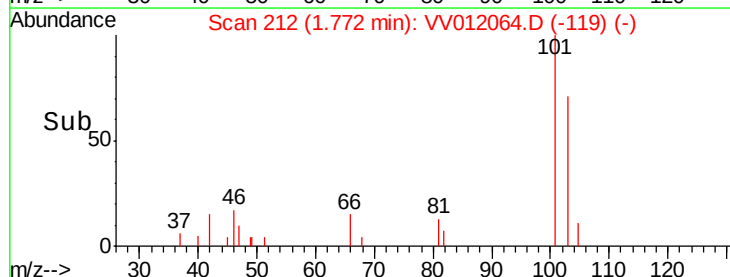
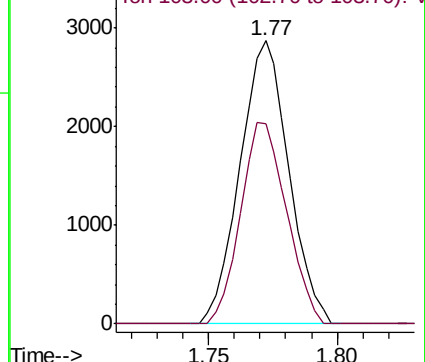
Ion Ratio Lower Upper

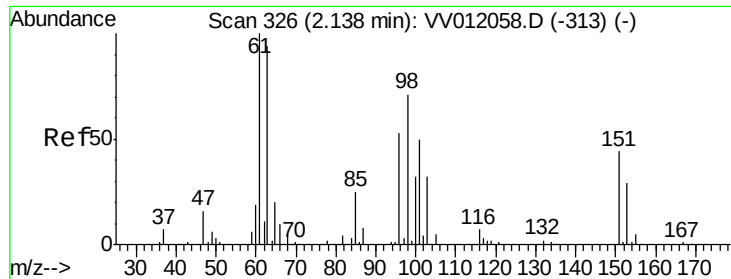
101 100

103 66.8 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VV012058.D (-201) (-)





#10

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

Concen: 0.312 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

Instrument :

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ClientSampleId :

MDL02

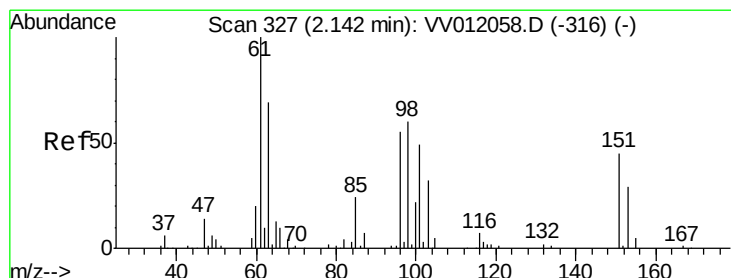
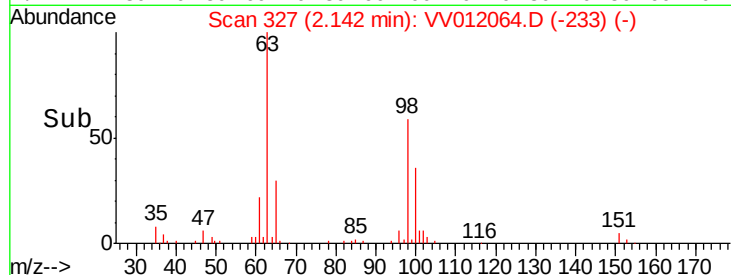
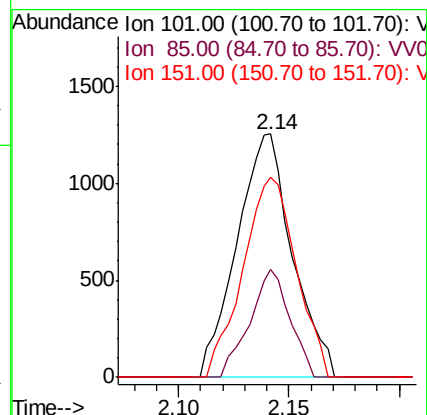
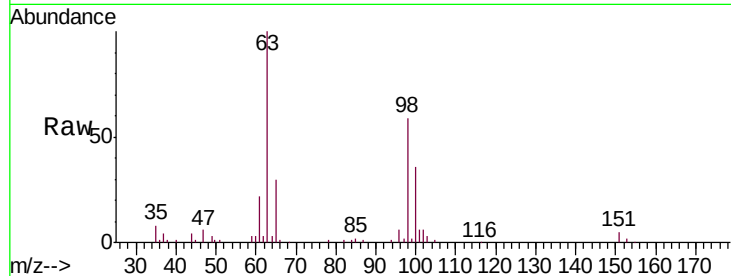
Tgt Ion:101 Resp: 2180

Ion Ratio Lower Upper

101 100

85 32.0 37.8 56.8#

151 78.9 71.4 107.2



#12

1,1-Dichloroethene

Concen: 0.322 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

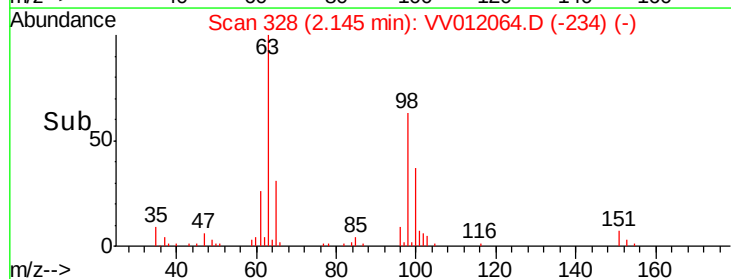
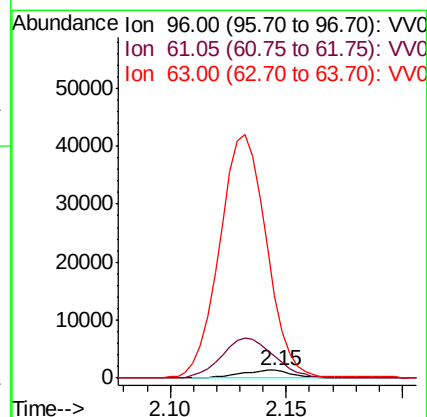
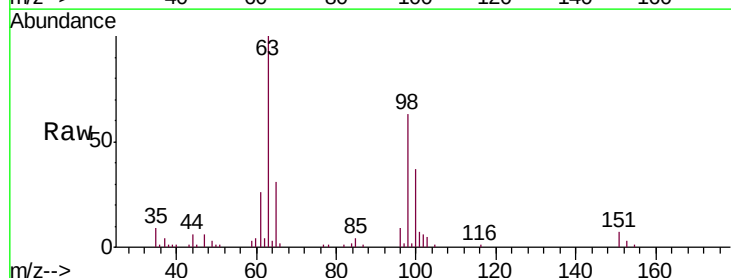
Tgt Ion: 96 Resp: 2082

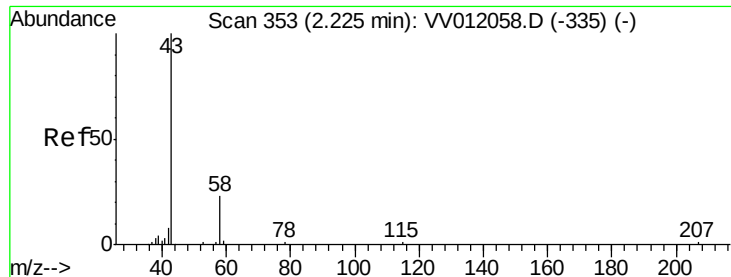
Ion Ratio Lower Upper

96 100

61 279.7 127.8 237.4#

63 1055.7 92.7 172.3#





#13

Acetone

Concen: 1.680 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

Instrument :

MSVOA_V

ClientSampled :

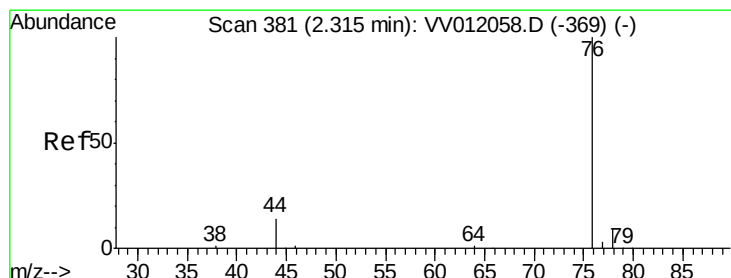
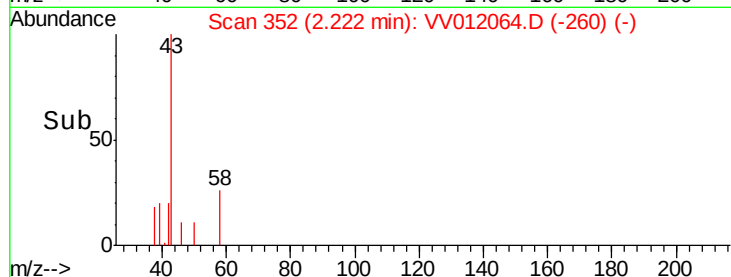
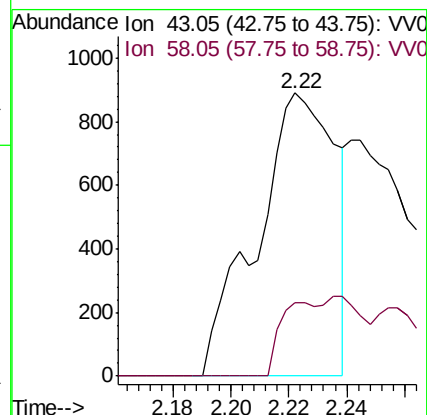
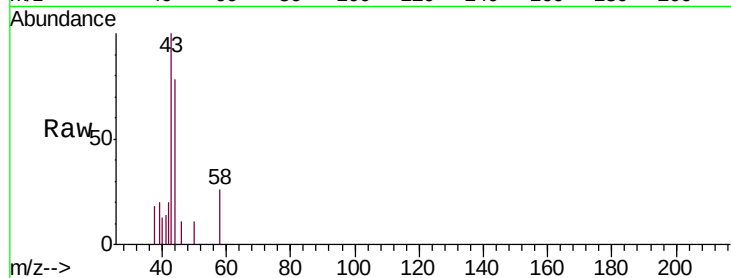
MDL02

Tgt Ion: 43 Resp: 1674

Ion Ratio Lower Upper

43 100

58 11.9 0.0 51.6



#14

Carbon disulfide

Concen: 0.262 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012064.D

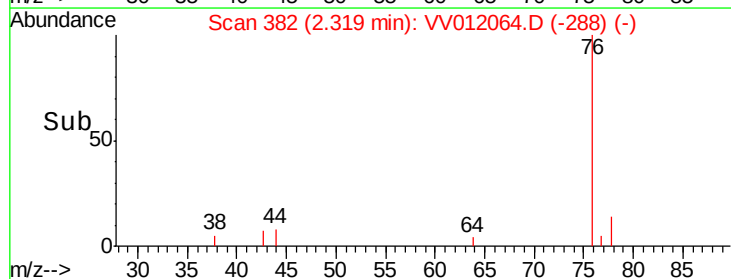
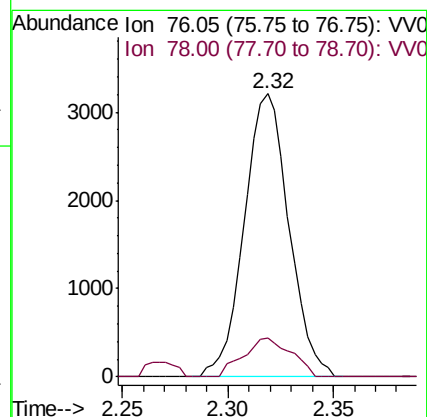
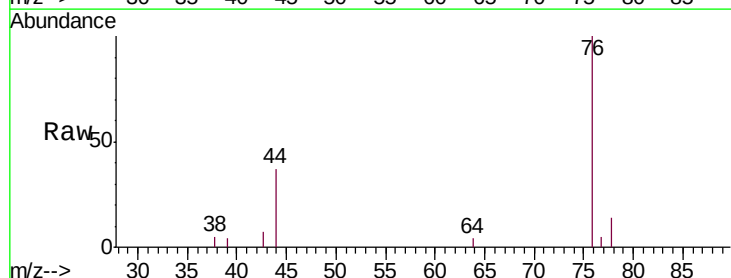
Acq: 29 Jul 2019 15:59

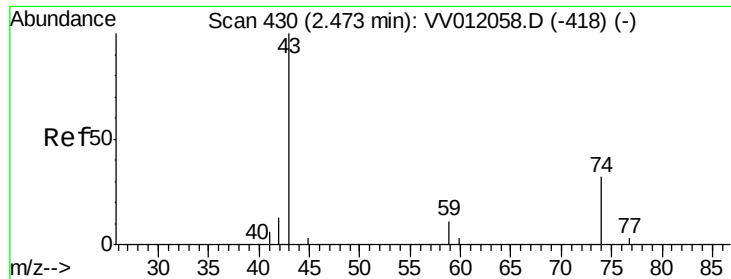
Tgt Ion: 76 Resp: 4733

Ion Ratio Lower Upper

76 100

78 13.8 7.2 10.8#

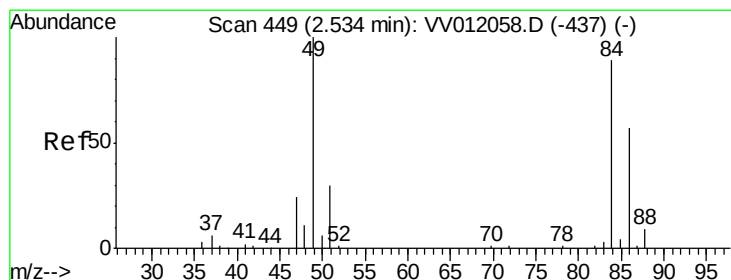
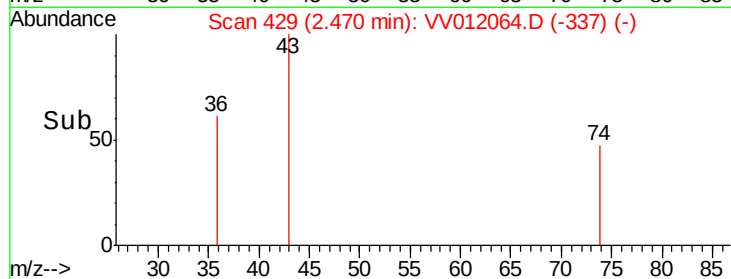
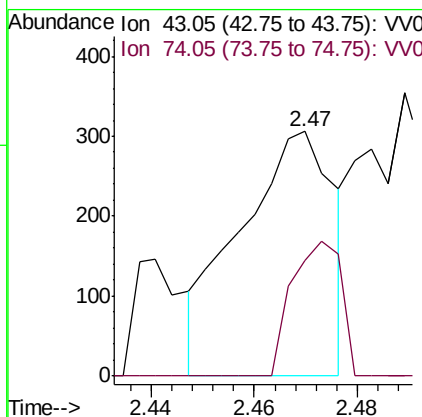
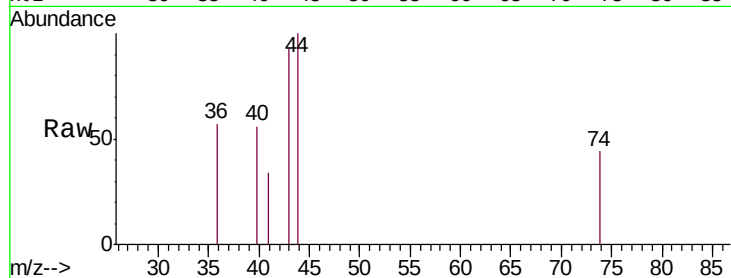




#15
Methyl Acetate
Concen: 0.189 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV012064.D
Acq: 29 Jul 2019 15:59

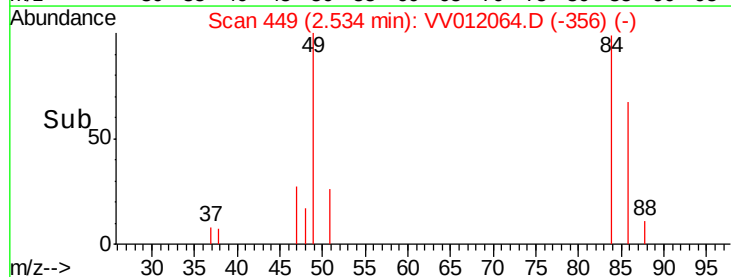
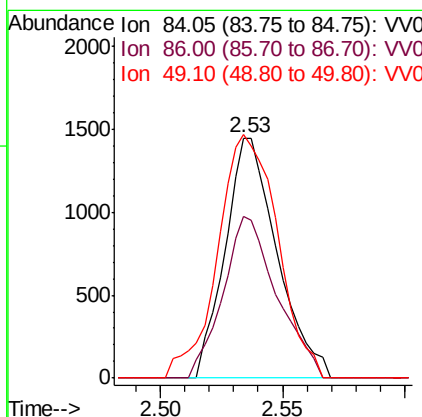
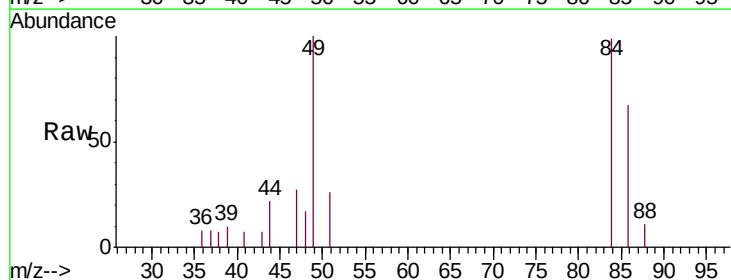
Instrument :
MSVOA_V
ClientSampled :
MDL02

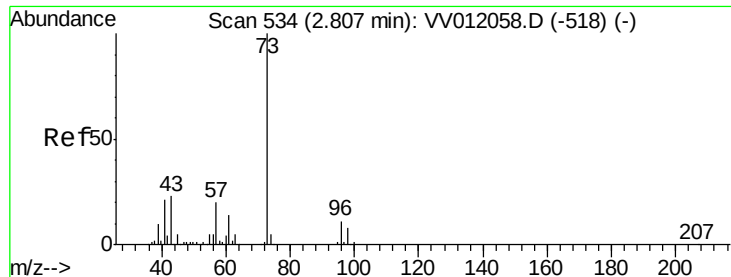
Tgt Ion: 43 Resp: 387
Ion Ratio Lower Upper
43 100
74 28.9 24.4 36.6



#16
Methylene chloride
Concen: 0.324 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012064.D
Acq: 29 Jul 2019 15:59

Tgt Ion: 84 Resp: 2151
Ion Ratio Lower Upper
84 100
86 67.4 44.9 83.3
49 101.3 78.6 146.0

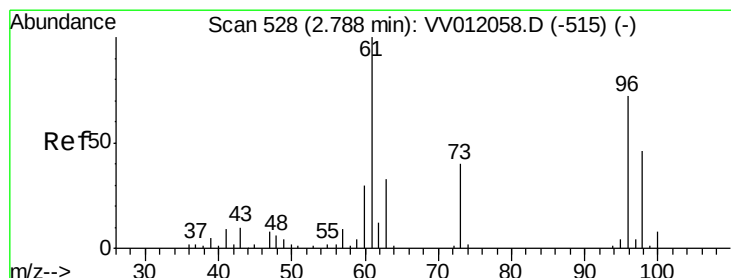
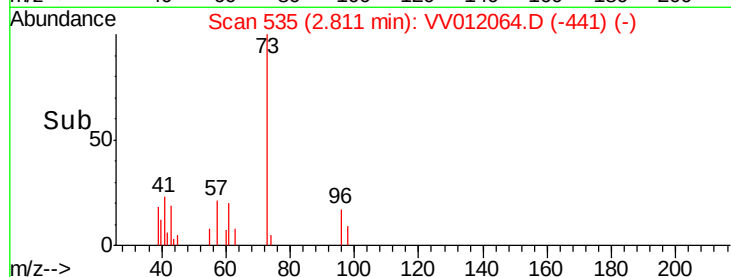
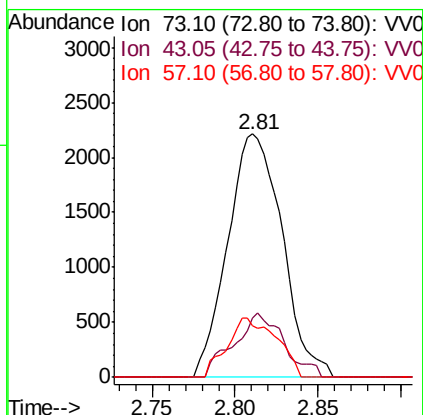
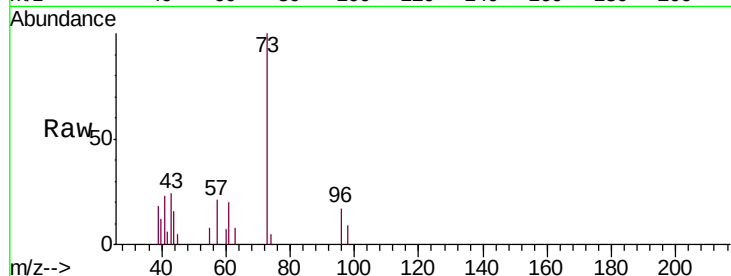




#17
Methyl tert-butyl Ether
Concen: 0.249 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV012064.D
Acq: 29 Jul 2019 15:59

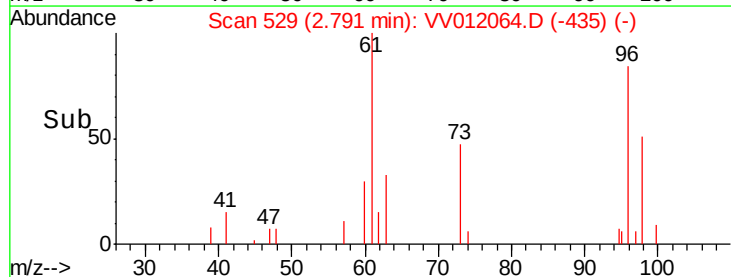
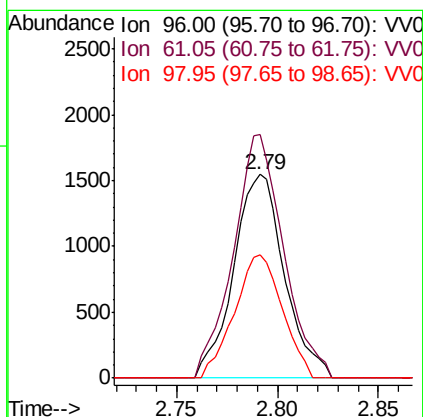
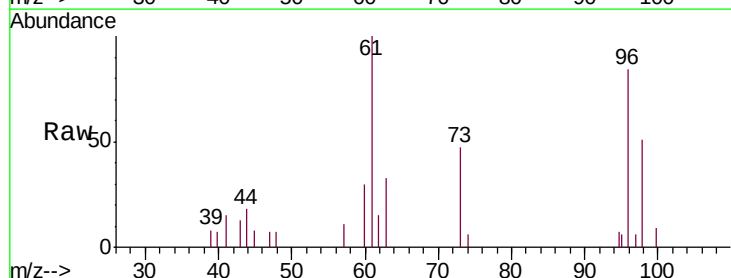
Instrument :
MSVOA_V
ClientSampleId :
MDL02

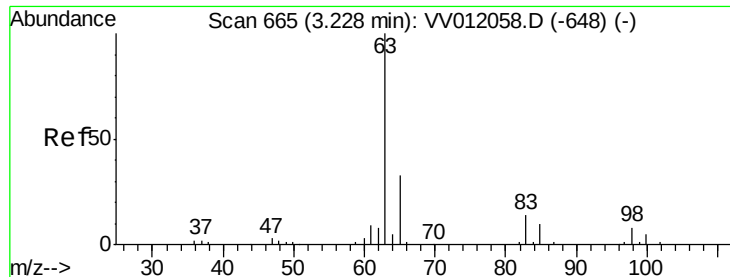
Tgt Ion: 73 Resp: 5057
Ion Ratio Lower Upper
73 100
43 24.2 17.6 26.4
57 22.2 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 0.293 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV012064.D
Acq: 29 Jul 2019 15:59

Tgt Ion: 96 Resp: 2732
Ion Ratio Lower Upper
96 100
61 119.4 97.2 180.6
98 60.8 45.0 83.6

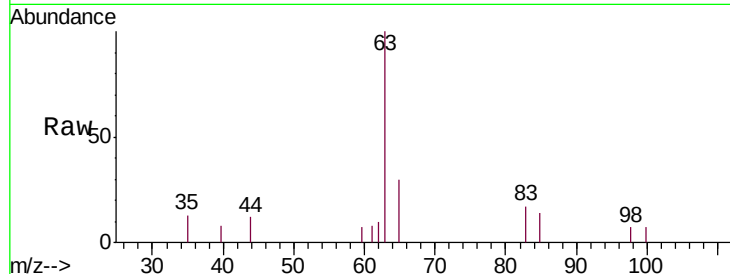




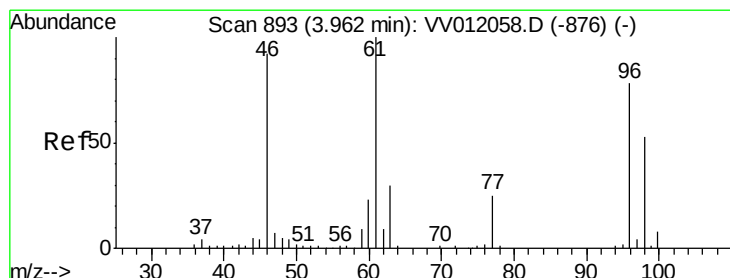
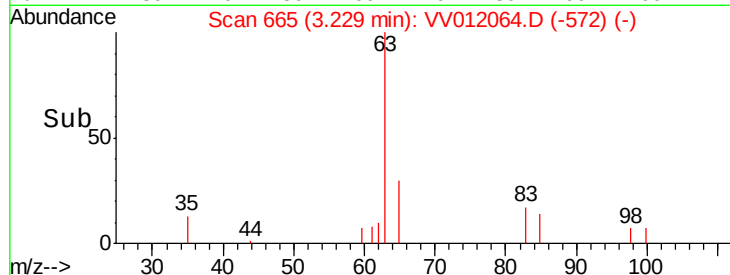
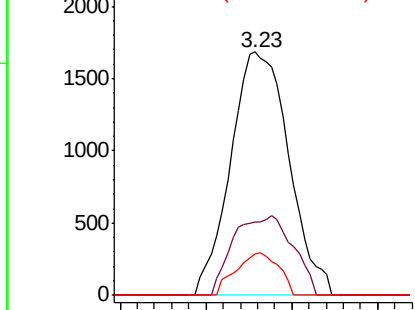
#19
 1,1-Dichloroethane
 Concen: 0.238 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012064.D
 Acq: 29 Jul 2019 15:59

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tgt Ion: 63 Resp: 3973
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.0 42.6
 83 17.0 9.7 17.9

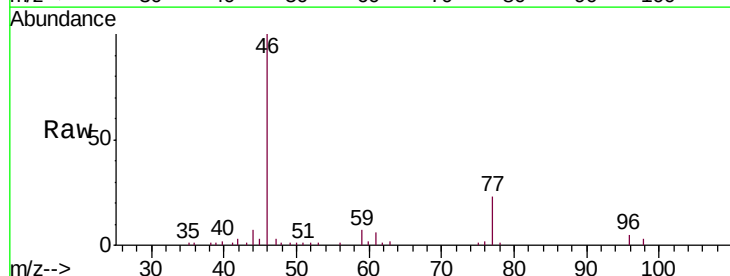


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

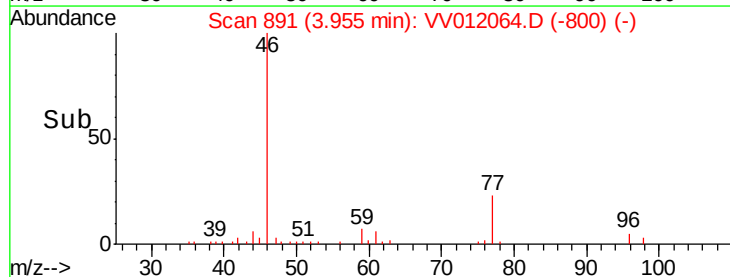
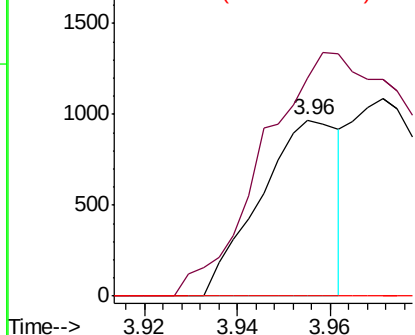


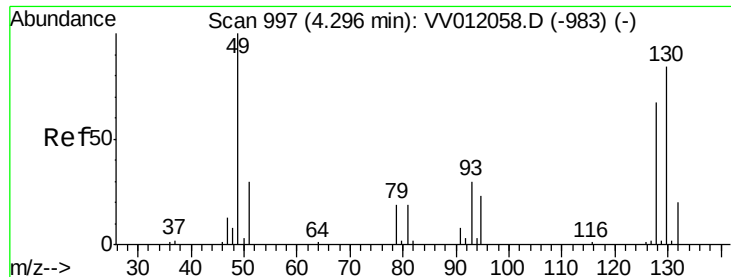
#22
 cis-1,2-Dichloroethene
 Concen: 0.116 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: VV012064.D
 Acq: 29 Jul 2019 15:59

Tgt Ion: 96 Resp: 1152
 Ion Ratio Lower Upper
 96 100
 61 123.9 90.0 167.2
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0





#23

Bromochloromethane

Concen: 0.143 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tgt Ion:128 Resp: 621

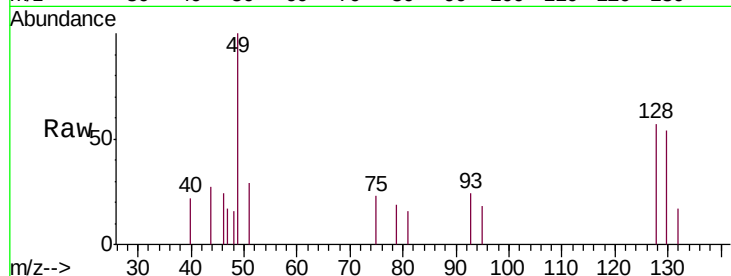
Ion Ratio Lower Upper

128 100

49 175.6 105.1 195.1

130 95.4 88.9 165.1

51 50.8 36.2 54.2

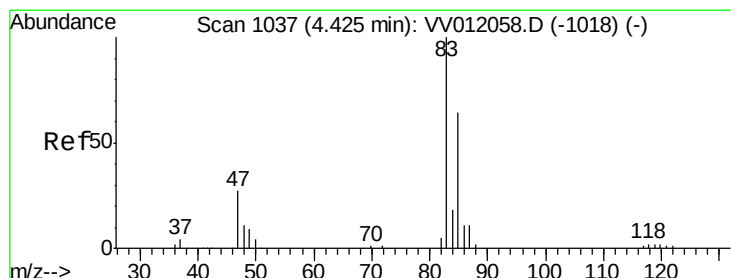
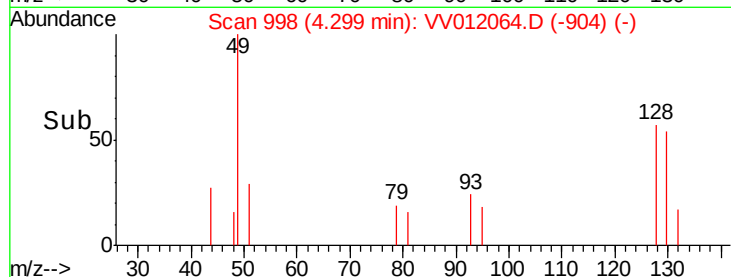
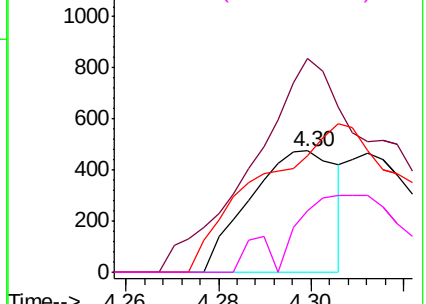


Abundance Ion 127.90 (127.60 to 128.60): VV012058.D (-983) (-)

Ion 49.10 (48.80 to 49.80): VV012058.D (-983) (-)

Ion 129.95 (129.65 to 130.65): VV012058.D (-983) (-)

Ion 51.05 (50.75 to 51.75): VV012058.D (-983) (-)



#25

Chloroform

Concen: 0.692 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VV012064.D

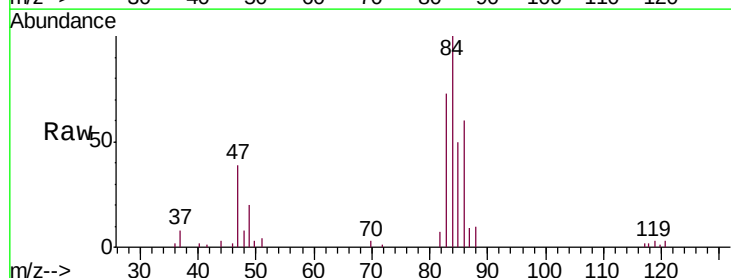
Acq: 29 Jul 2019 15:59

Tgt Ion: 83 Resp: 14463

Ion Ratio Lower Upper

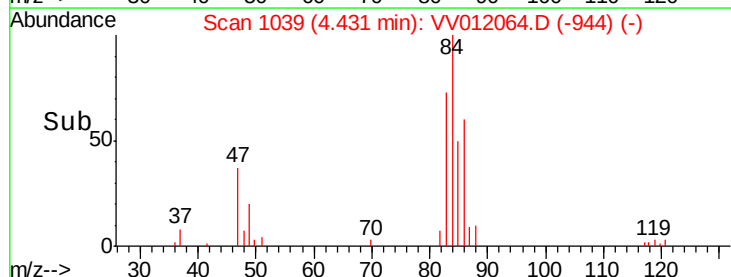
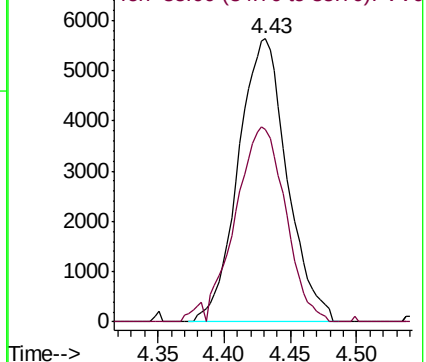
83 100

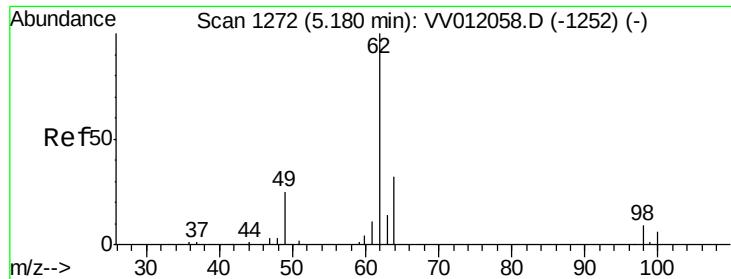
85 68.2 45.2 84.0



Abundance Ion 83.05 (82.75 to 83.75): VV012058.D (-1018) (-)

Ion 85.00 (84.70 to 85.70): VV012058.D (-1018) (-)

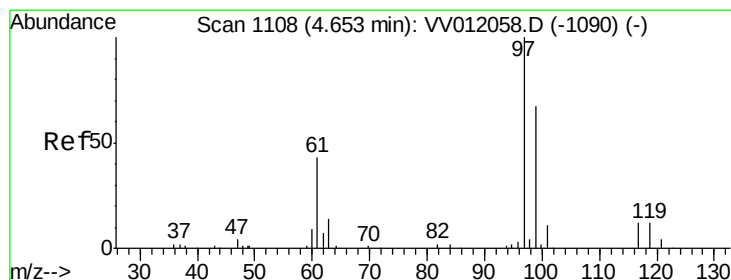
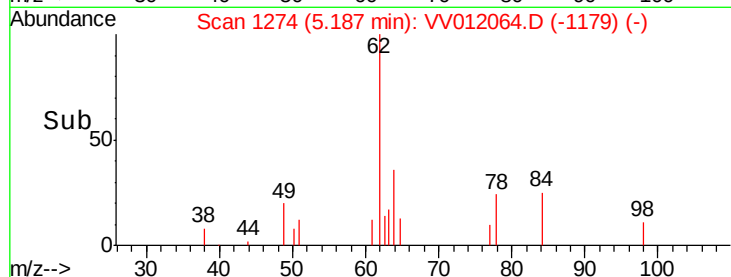
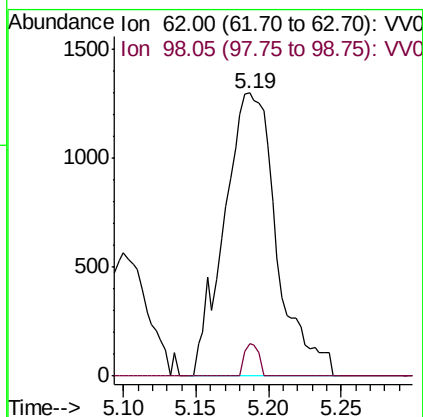
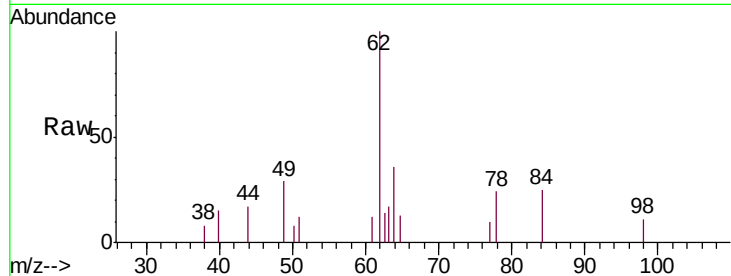




#27
 1,2-Dichloroethane
 Concen: 0.284 ug/L
 RT: 5.19 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VV012064.D
 Acq: 29 Jul 2019 15:59

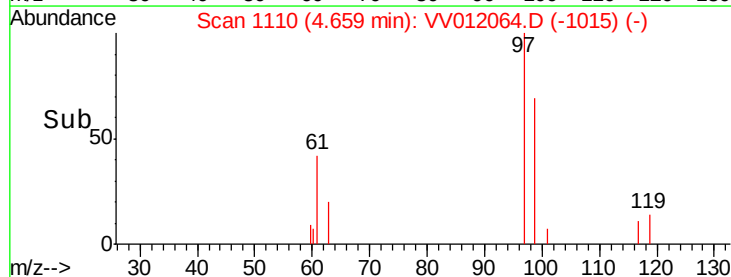
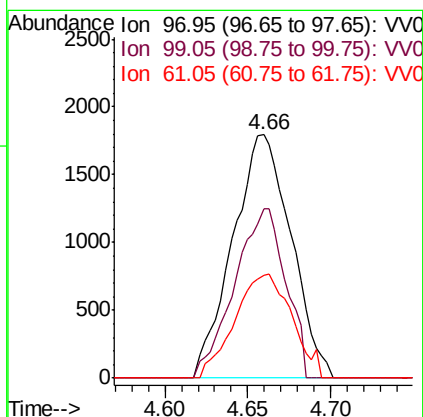
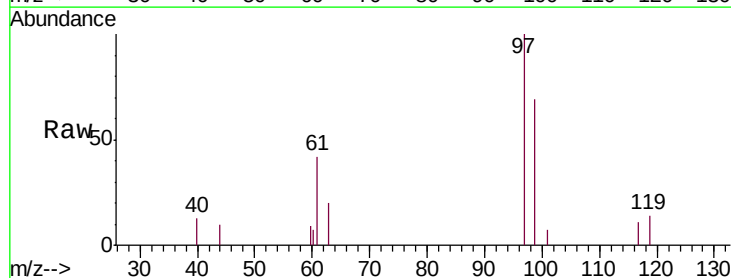
Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

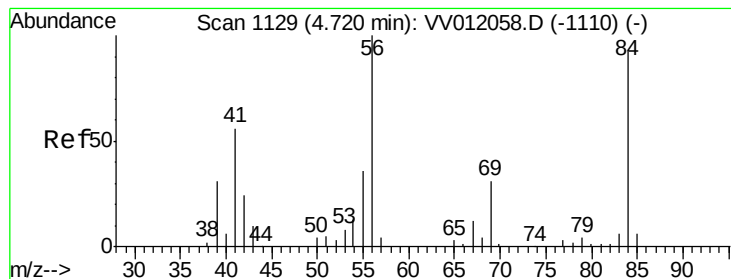
Tgt Ion: 62 Resp: 3282
 Ion Ratio Lower Upper
 62 100
 98 9.9 7.0 10.6



#29
 1,1,1-Trichloroethane
 Concen: 0.263 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.01 min
 Lab File: VV012064.D
 Acq: 29 Jul 2019 15:59

Tgt Ion: 97 Resp: 4383
 Ion Ratio Lower Upper
 97 100
 99 61.0 51.8 77.8
 61 41.8 34.5 51.7





#30

Cyclohexane

Concen: 0.271 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

MDL02

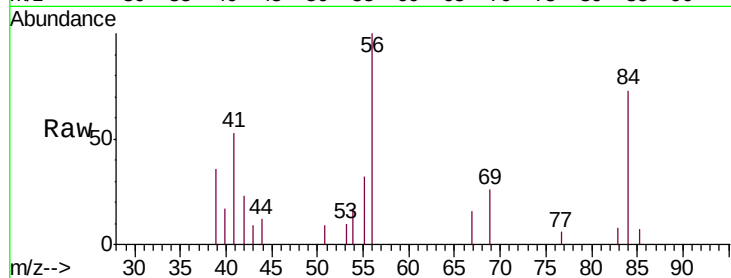
Tgt Ion: 56 Resp: 3870

Ion Ratio Lower Upper

56 100

69 25.0 24.8 37.2

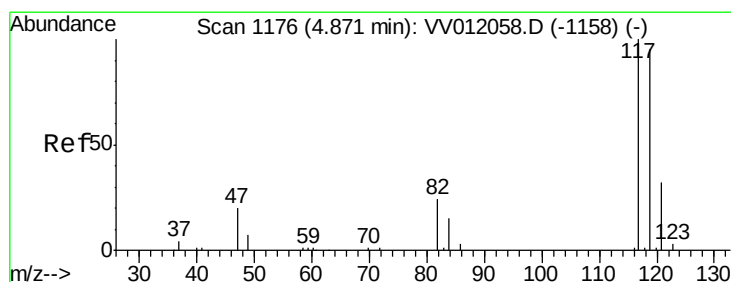
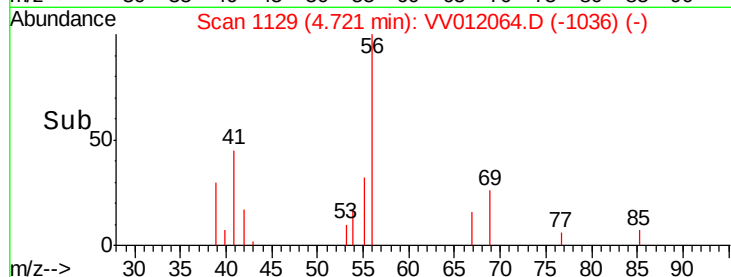
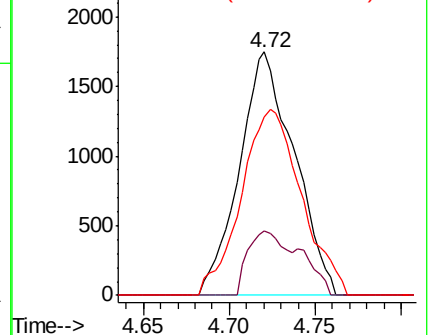
84 83.7 75.4 113.2



Abundance Ion 56.10 (55.80 to 56.80): VV012058.D (-1110) (-)

Ion 69.15 (68.85 to 69.85): VV012058.D (-1110) (-)

Ion 84.15 (83.85 to 84.85): VV012058.D (-1110) (-)



#31

Carbon tetrachloride

Concen: 0.232 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012064.D

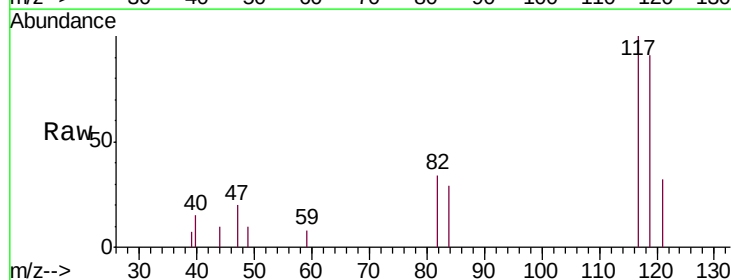
Acq: 29 Jul 2019 15:59

Tgt Ion: 117 Resp: 3486

Ion Ratio Lower Upper

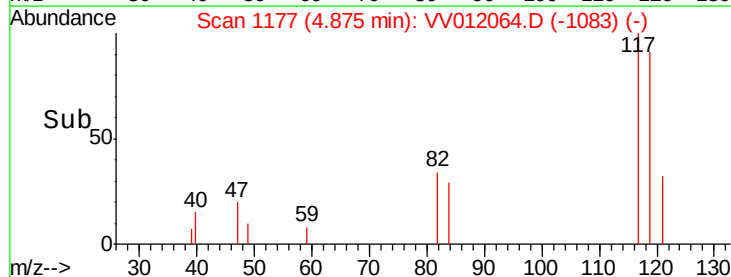
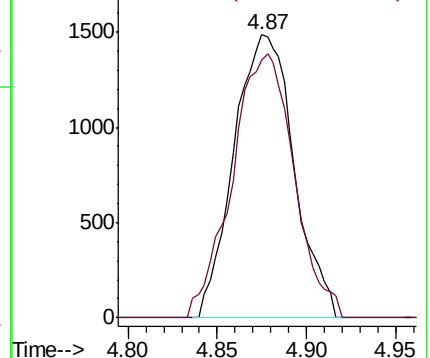
117 100

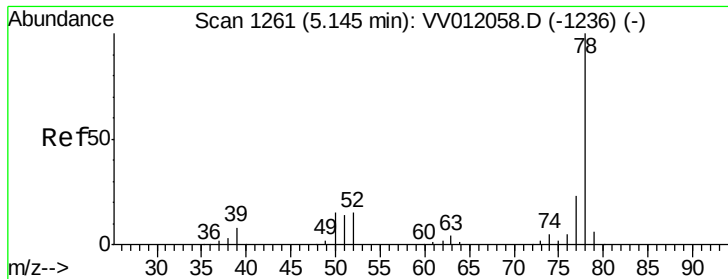
119 96.3 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): VV012058.D (-1158) (-)

Ion 118.90 (118.60 to 119.60): VV012058.D (-1158) (-)

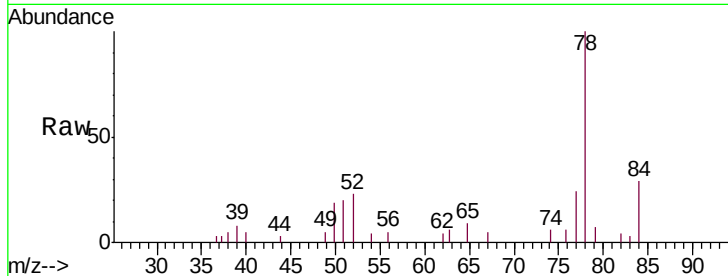




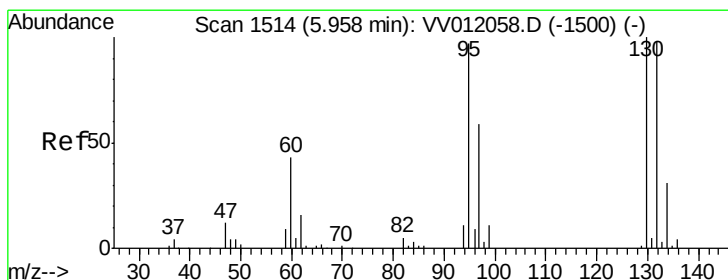
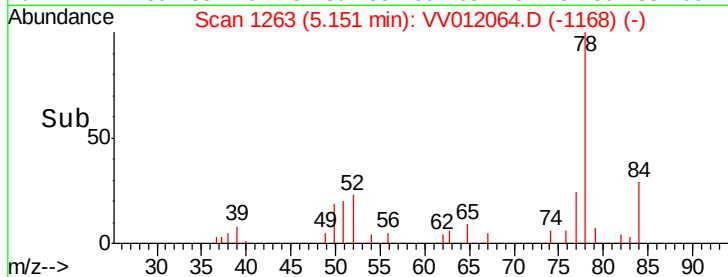
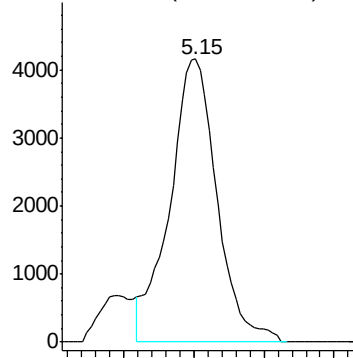
#33
Benzene
Concen: 0.265 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VV012064.D
Acq: 29 Jul 2019 15:59

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion: 78 Resp: 9710



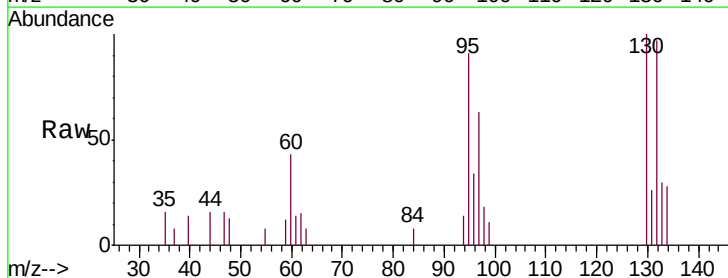
Abundance Ion 78.10 (77.80 to 78.80): VV0



#34
Trichloroethene
Concen: 0.256 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV012064.D
Acq: 29 Jul 2019 15:59

Tgt Ion: 95 Resp: 2672

Ion	Ratio	Lower	Upper
95	100		
97	69.3	42.8	79.6
132	107.0	70.8	131.6
130	110.2	72.3	134.3

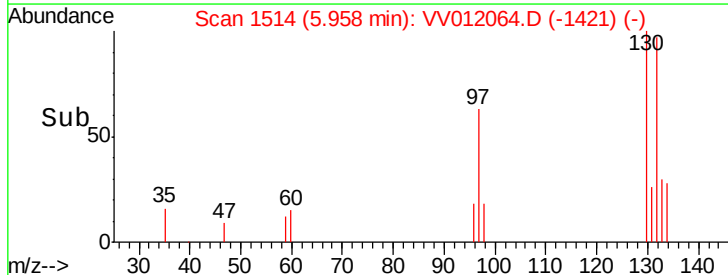
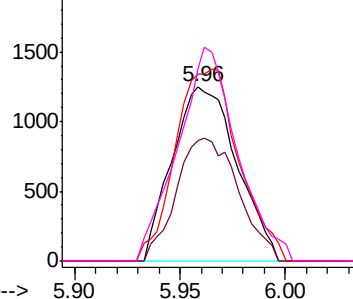


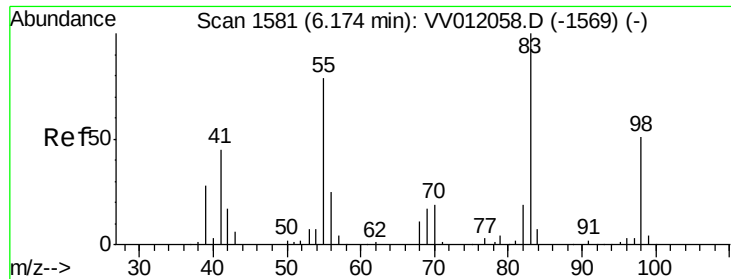
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

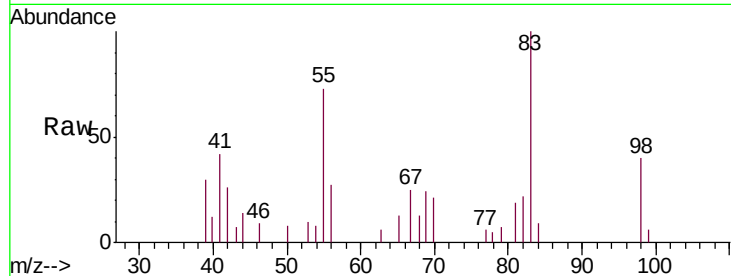




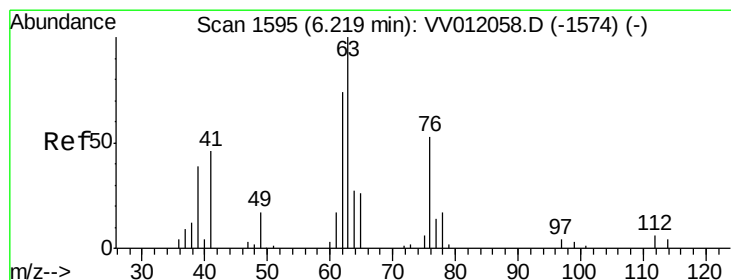
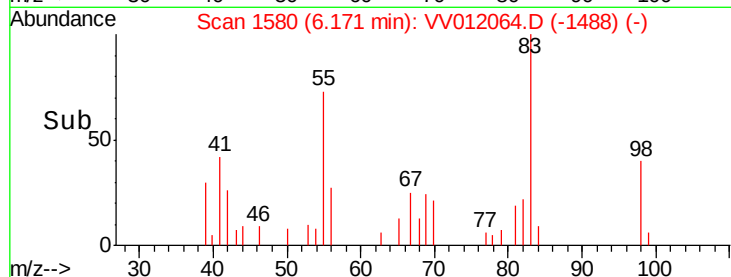
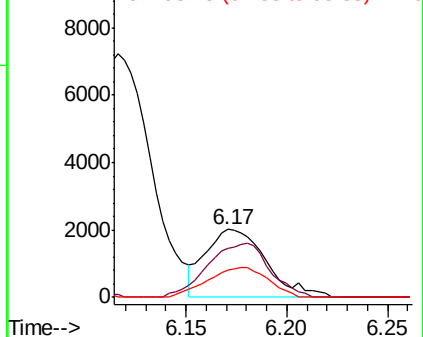
#35
Methylcyclohexane
Concen: 0.258 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VV012064.D
Acq: 29 Jul 2019 15:59

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tgt Ion: 83 Resp: 4232
Ion Ratio Lower Upper
83 100
55 80.8 60.1 90.1
98 43.6 40.2 60.4

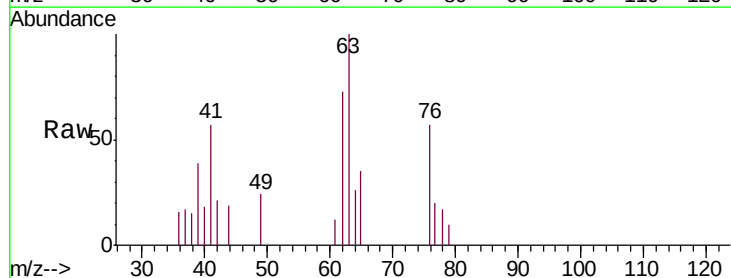


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

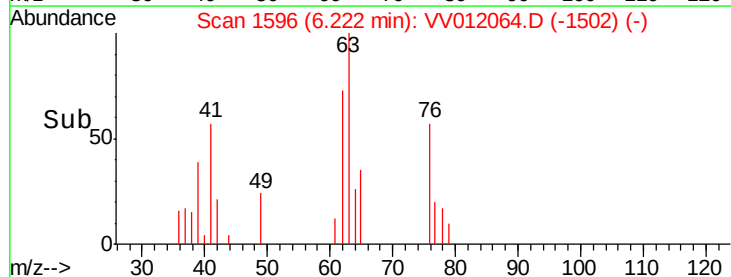
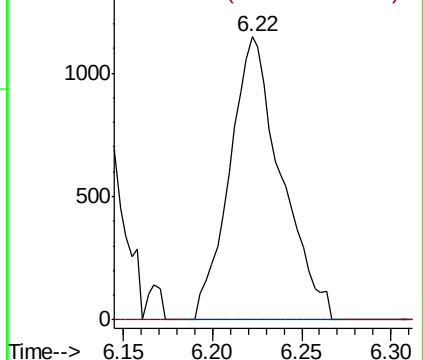


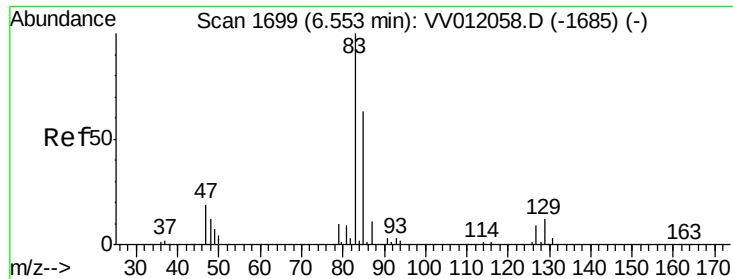
#37
1,2-Dichloropropane
Concen: 0.272 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV012064.D
Acq: 29 Jul 2019 15:59

Tgt Ion: 63 Resp: 2311
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



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

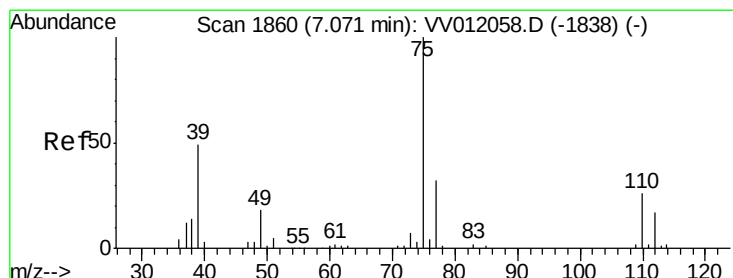
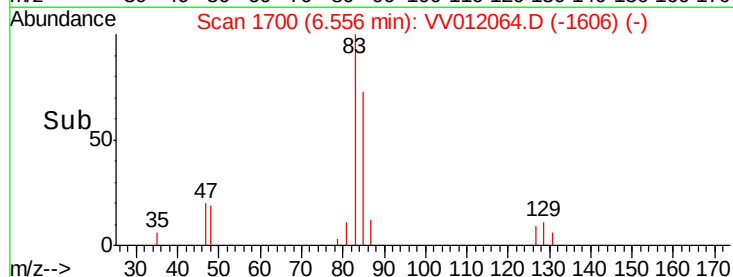
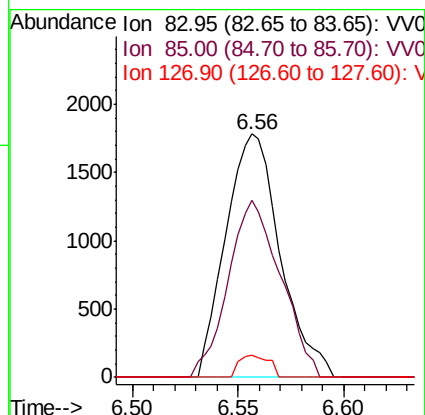
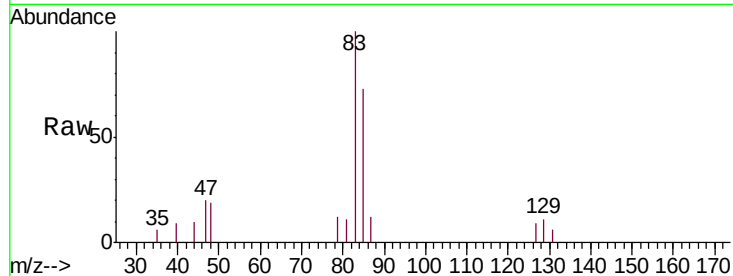




#38
 Bromodichloromethane
 Concen: 0.267 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012064.D
 Acq: 29 Jul 2019 15:59

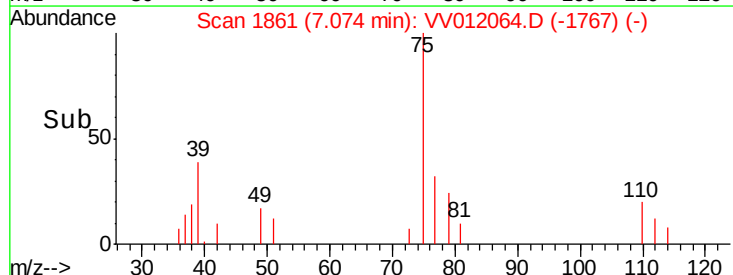
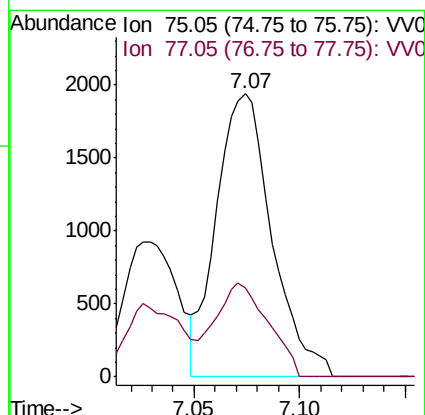
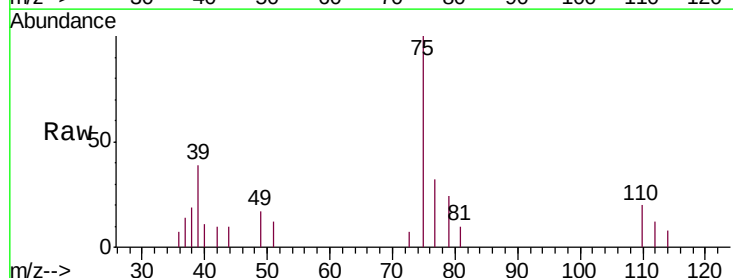
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

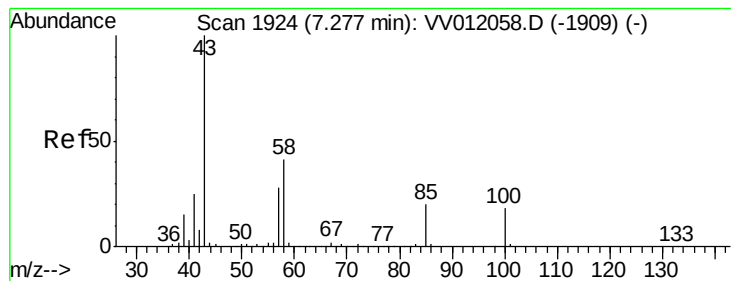
Tgt Ion: 83 Resp: 3198
 Ion Ratio Lower Upper
 83 100
 85 72.6 43.9 81.5
 127 8.9 6.9 10.3



#39
 cis-1,3-Dichloropropene
 Concen: 0.267 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012064.D
 Acq: 29 Jul 2019 15:59

Tgt Ion: 75 Resp: 3546
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.4 41.6





#40

4-Methyl-2-pentanone

Concen: 2.260 ug/L

RT: 7.28 min Scan# 1926

Delta R.T. 0.01 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

MDL02

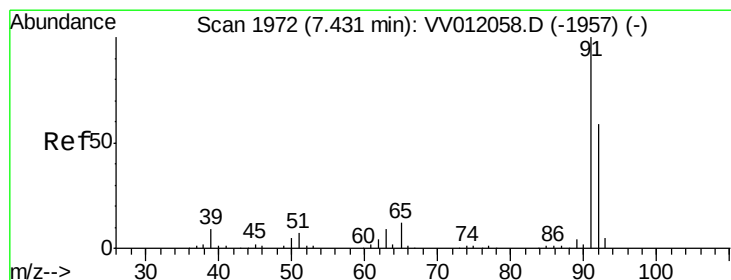
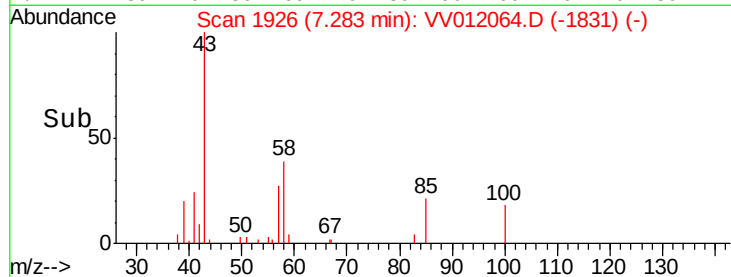
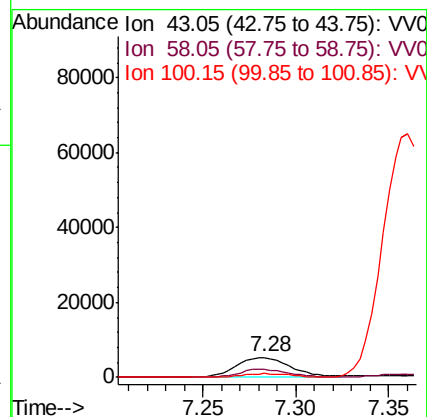
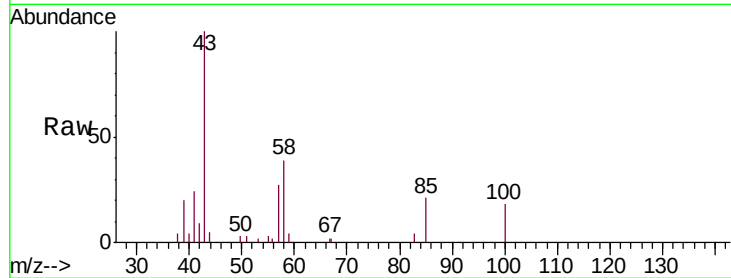
Tgt Ion: 43 Resp: 10813

Ion Ratio Lower Upper

43 100

58 37.7 31.9 47.9

100 0.0 14.0 21.0#



#42

Toluene

Concen: 0.247 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012064.D

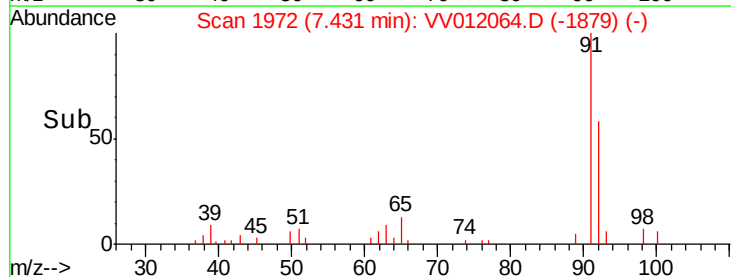
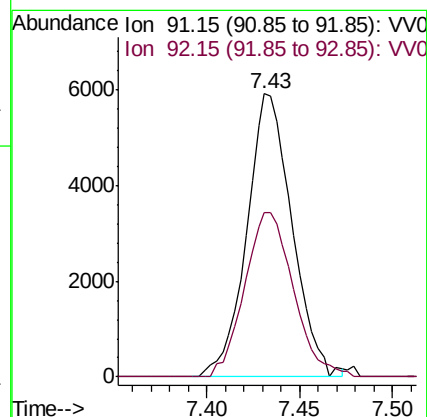
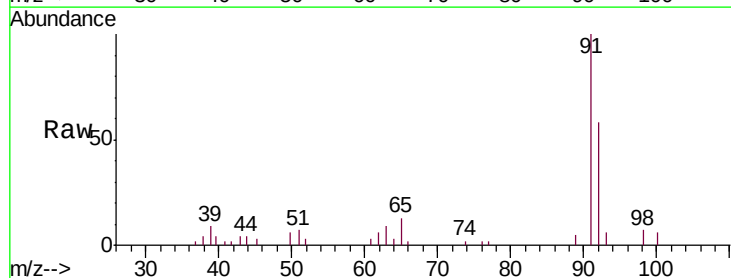
Acq: 29 Jul 2019 15:59

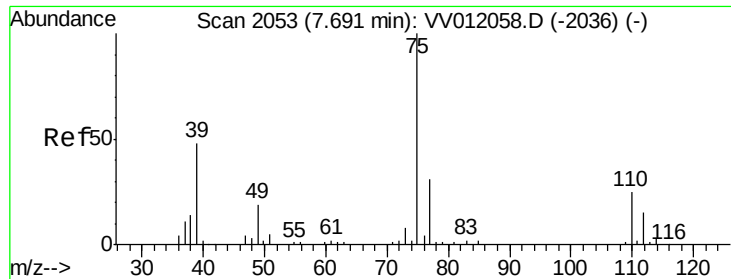
Tgt Ion: 91 Resp: 10071

Ion Ratio Lower Upper

91 100

92 58.0 41.3 76.7

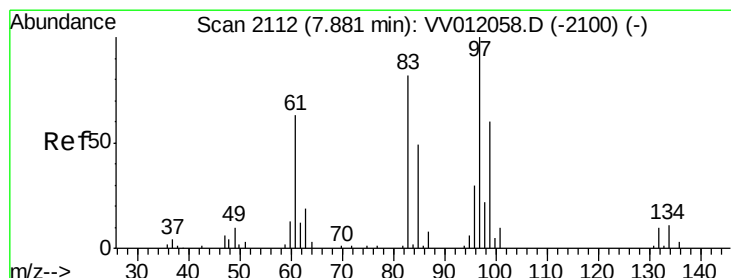
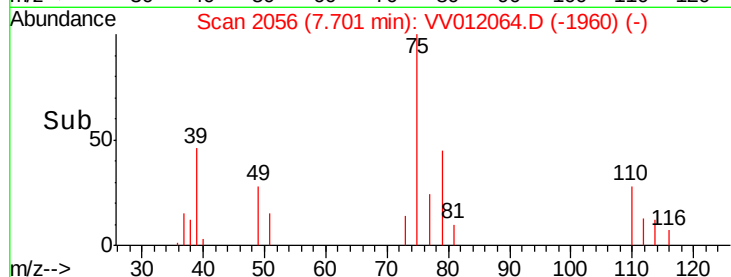
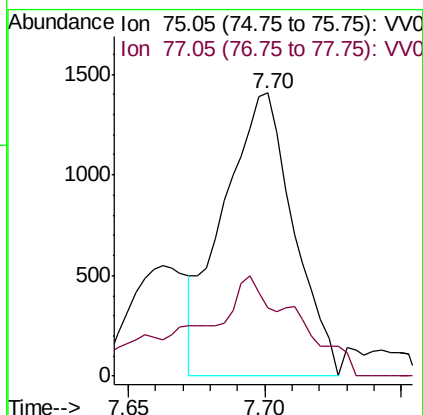
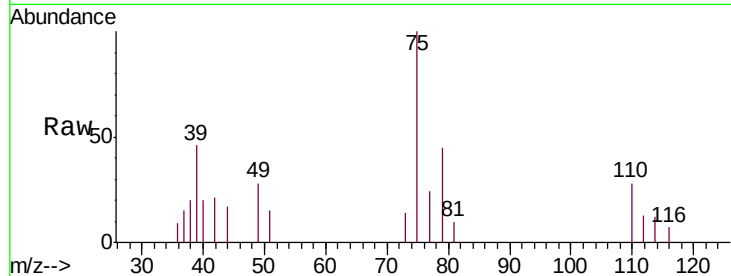




#44
trans-1,3-Dichloropropene
Concen: 0.234 ug/L
RT: 7.70 min Scan# 2056
Delta R.T. 0.01 min
Lab File: VV012064.D
Acq: 29 Jul 2019 15:59

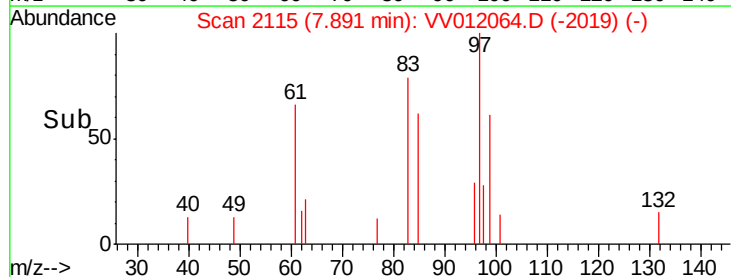
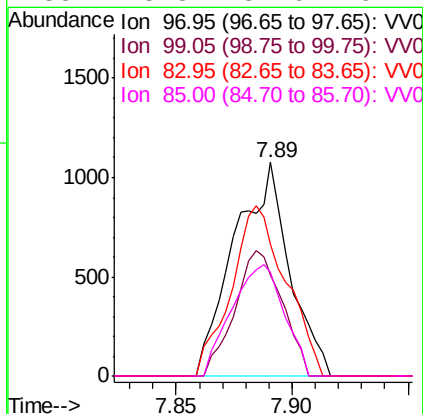
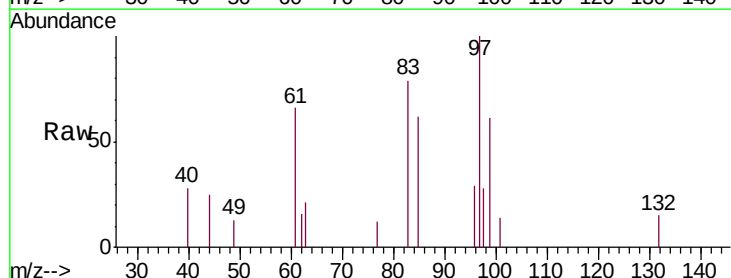
Instrument :
MSVOA_V
ClientSampleId :
MDL02

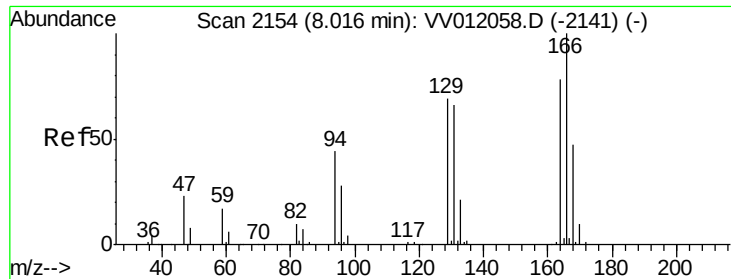
Tgt Ion: 75 Resp: 2511
Ion Ratio Lower Upper
75 100
77 24.1 21.6 40.0



#45
1,1,2-Trichloroethane
Concen: 0.275 ug/L
RT: 7.89 min Scan# 2115
Delta R.T. 0.01 min
Lab File: VV012064.D
Acq: 29 Jul 2019 15:59

Tgt Ion: 97 Resp: 1779
Ion Ratio Lower Upper
97 100
99 47.5 42.0 78.0
83 62.0 57.6 107.0
85 48.3 34.6 64.2

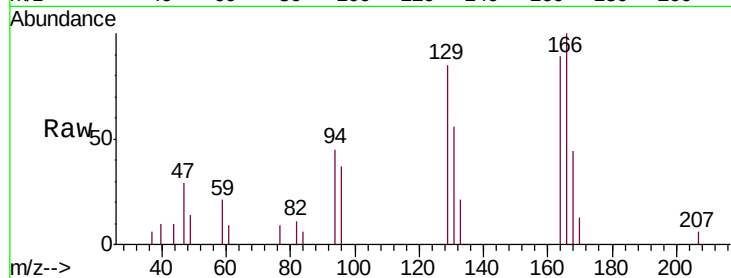




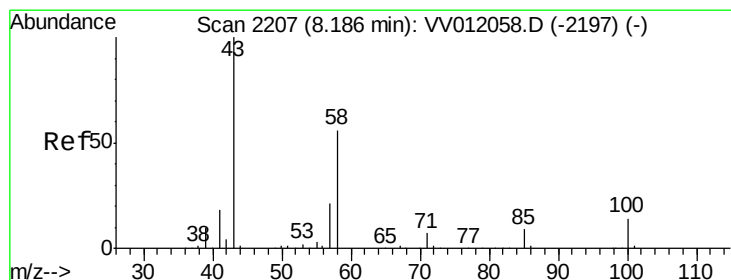
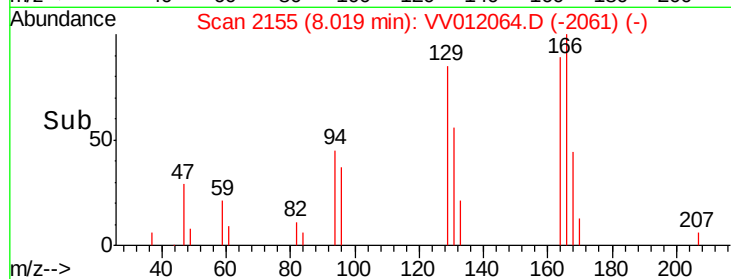
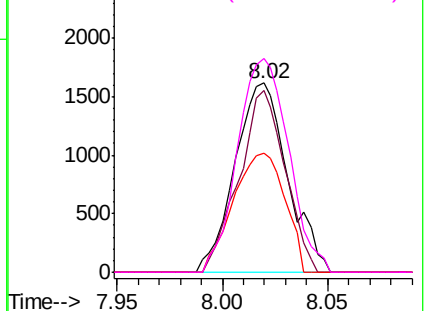
#47
Tetrachloroethene
Concen: 0.307 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV012064.D
Acq: 29 Jul 2019 15:59

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tgt Ion:	164	Resp:	2801
Ion	Ratio	Lower	Upper
164	100		
129	96.3	61.9	114.9
131	63.0	59.4	110.4
166	112.9	89.6	166.4

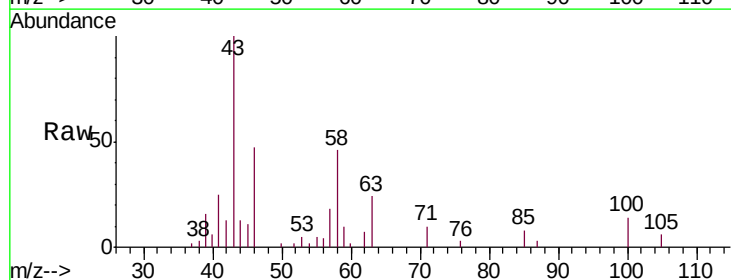


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

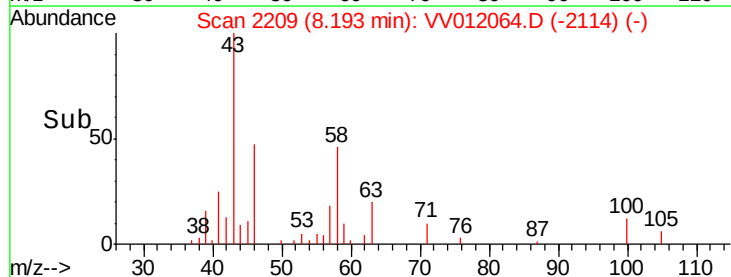
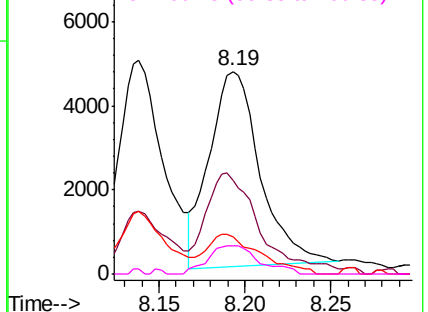


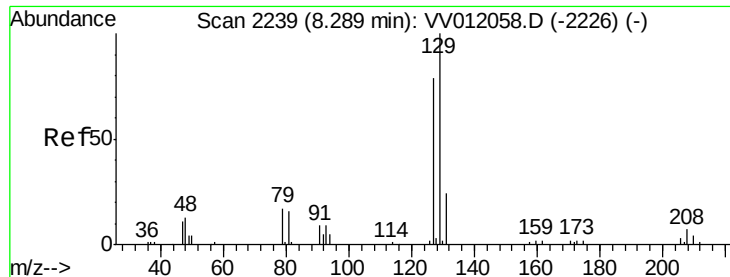
#48
2-Hexanone
Concen: 2.821 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012064.D
Acq: 29 Jul 2019 15:59

Tgt Ion:	43	Resp:	9540
Ion	Ratio	Lower	Upper
43	100		
58	50.4	44.1	66.1
57	21.2	16.1	24.1
100	14.7	11.3	16.9



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.244 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

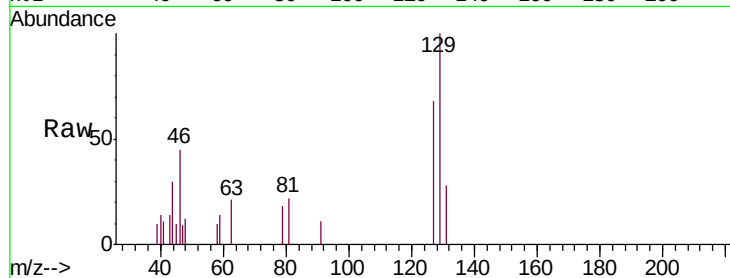
MDL02

Tgt Ion:129 Resp: 1934

Ion Ratio Lower Upper

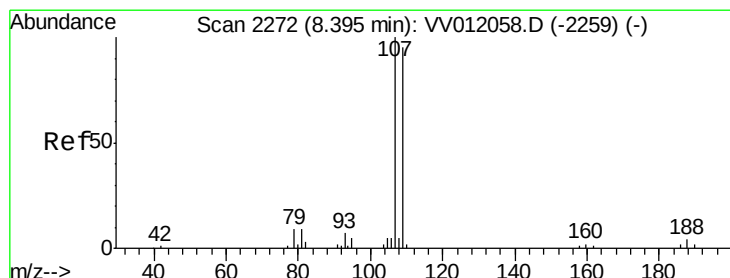
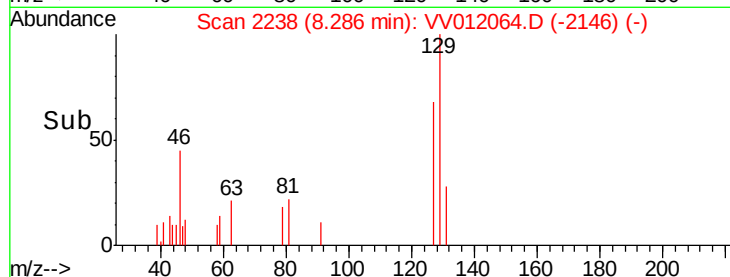
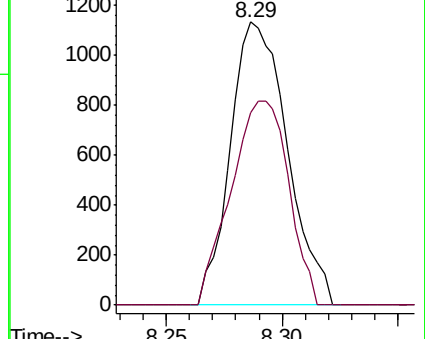
129 100

127 68.1 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.266 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

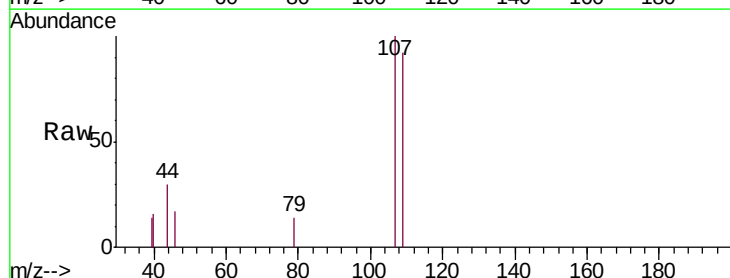
Tgt Ion:107 Resp: 1610

Ion Ratio Lower Upper

107 100

109 91.8 66.3 123.1

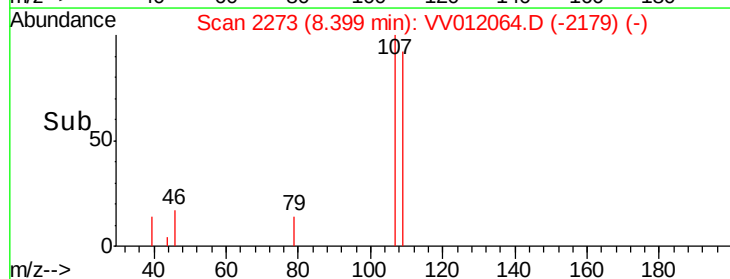
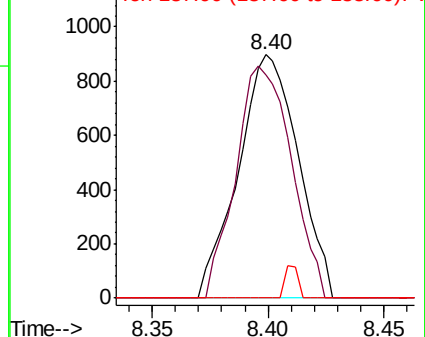
188 0.0 3.4 5.0#

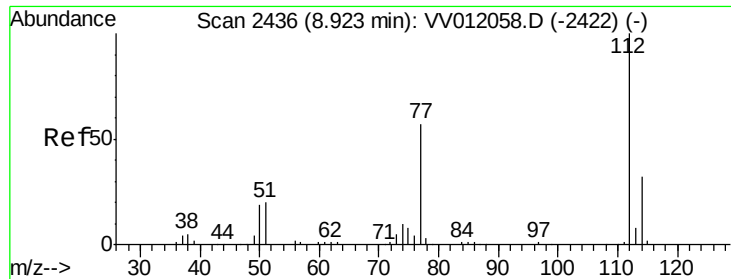


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

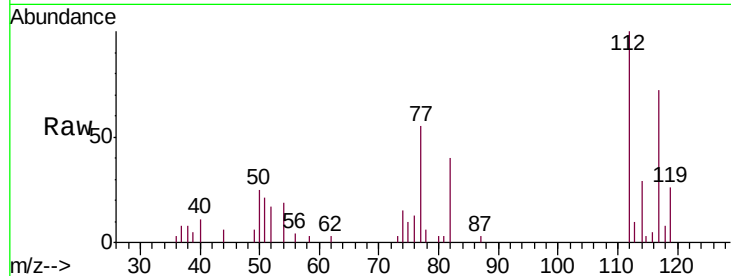




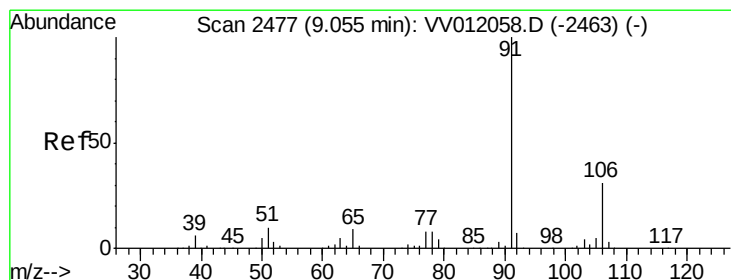
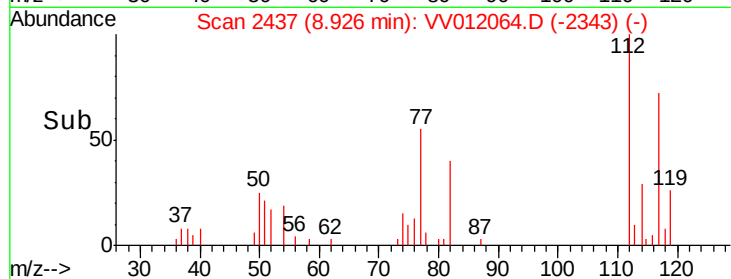
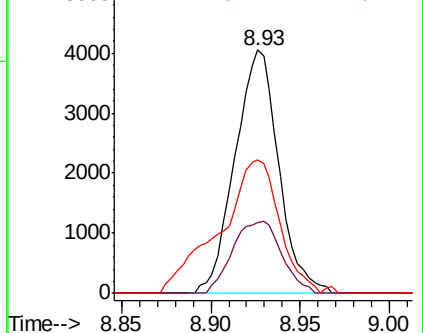
#51
Chlorobenzene
Concen: 0.254 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012064.D
Acq: 29 Jul 2019 15:59

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion: 112 Resp: 6930
Ion Ratio Lower Upper
112 100
114 29.1 22.1 41.1
77 54.8 45.9 68.9

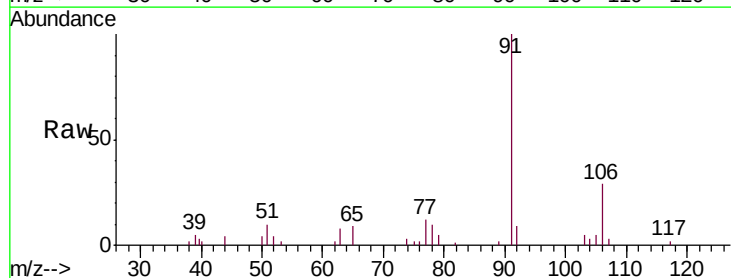


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

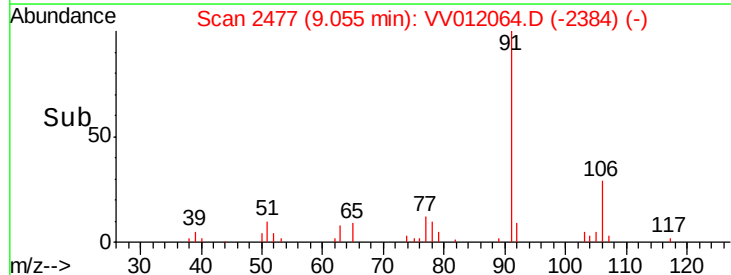
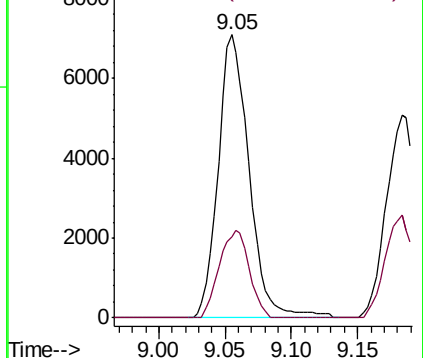


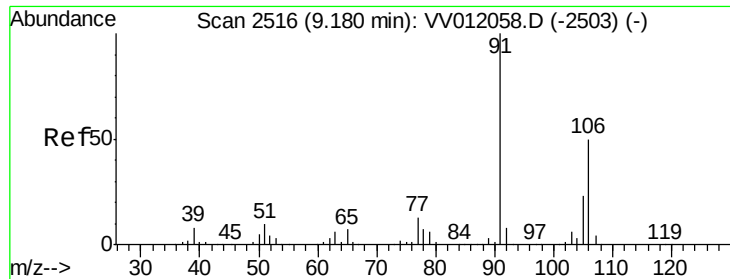
#52
Ethylbenzene
Concen: 0.247 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012064.D
Acq: 29 Jul 2019 15:59

Tgt Ion: 91 Resp: 11468
Ion Ratio Lower Upper
91 100
106 28.9 21.6 40.2



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





#53

m,p-xylene

Concen: 0.245 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

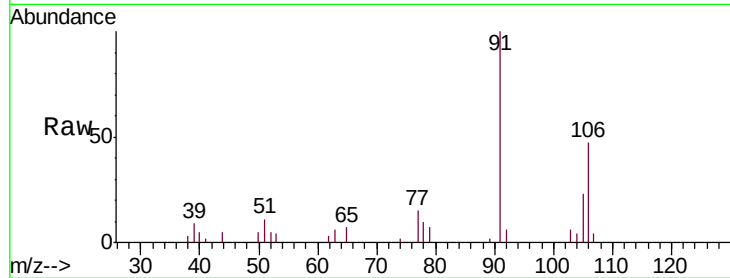
MDL02

Tgt Ion:106 Resp: 4345

Ion Ratio Lower Upper

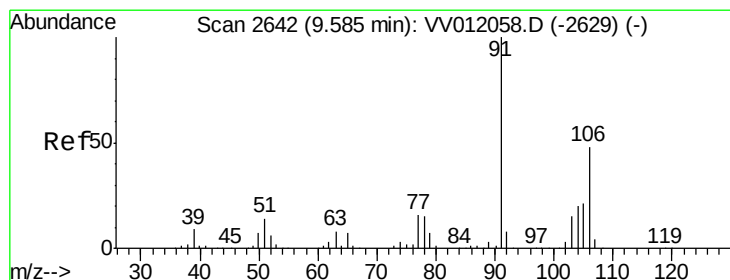
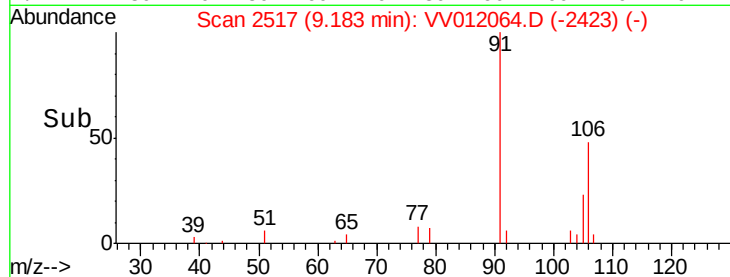
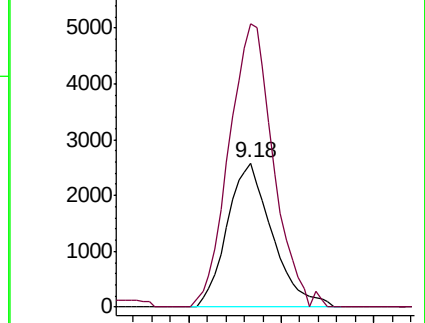
106 100

91 196.5 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.236 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012064.D

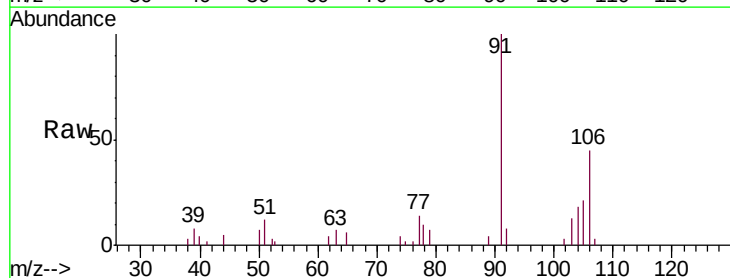
Acq: 29 Jul 2019 15:59

Tgt Ion:106 Resp: 3963

Ion Ratio Lower Upper

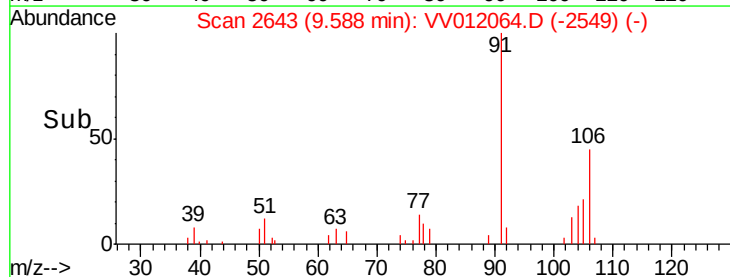
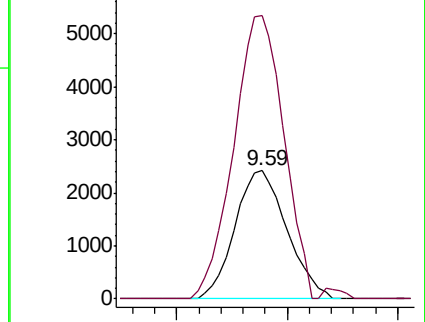
106 100

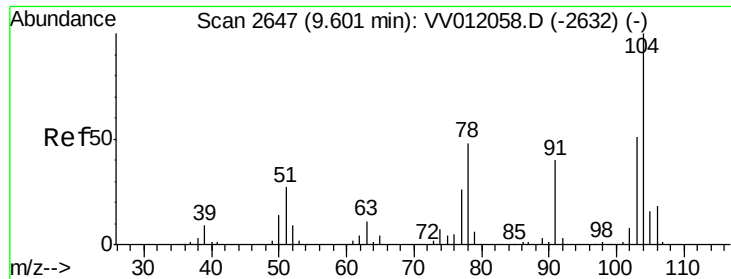
91 221.2 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Styrene

Concen: 0.200 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

Instrument :

MSVOA_V

ClientSampled :

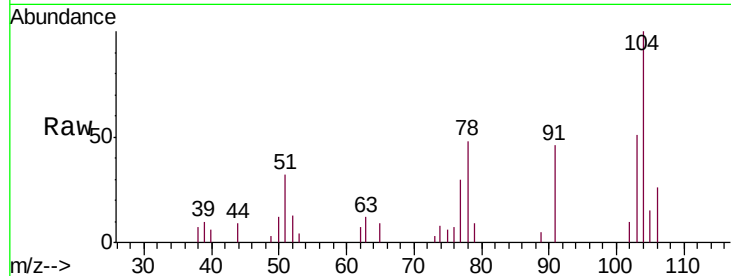
MDL02

Tgt Ion:104 Resp: 5648

Ion Ratio Lower Upper

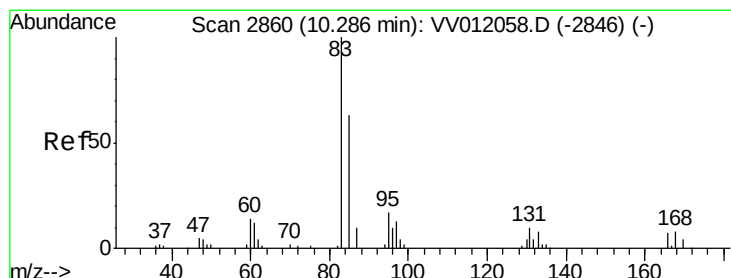
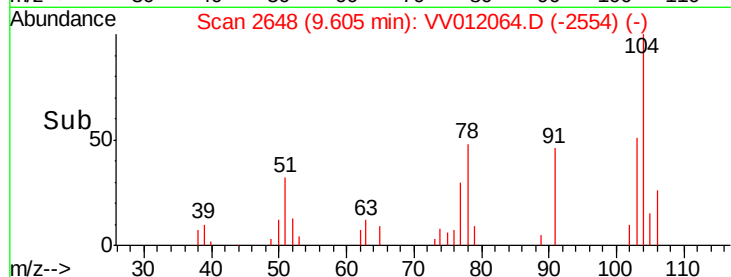
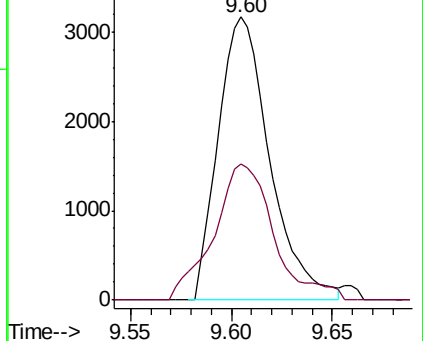
104 100

78 48.2 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): VV012058.D (-2632) (-)

Ion 78.10 (77.80 to 78.80): VV012058.D (-2632) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 0.279 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

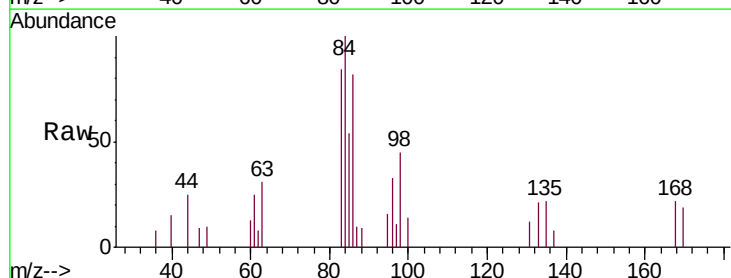
Tgt Ion: 83 Resp: 1940

Ion Ratio Lower Upper

83 100

85 64.2 44.0 81.6

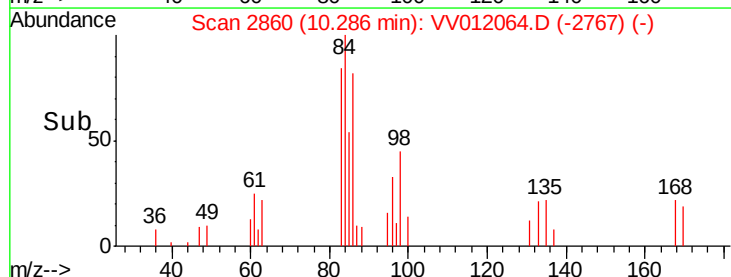
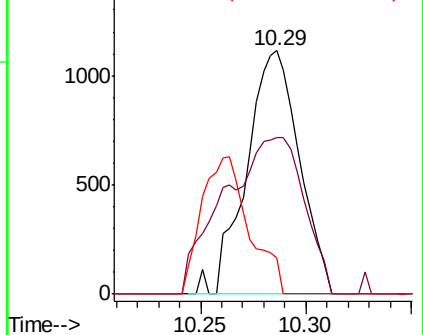
131 14.7 8.3 12.5#

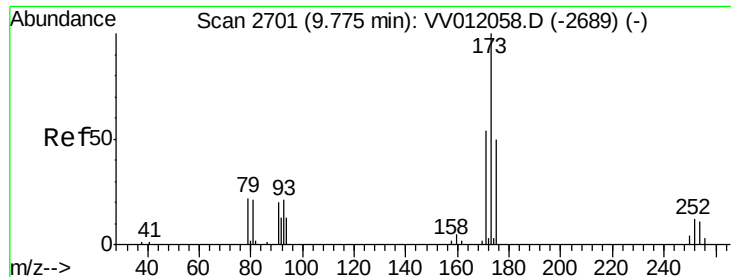


Abundance Ion 82.95 (82.65 to 83.65): VV012058.D (-2846) (-)

Ion 85.00 (84.70 to 85.70): VV012058.D (-2846) (-)

Ion 130.95 (130.65 to 131.65): VV012058.D (-2846) (-)





#59

Bromoform

Concen: 0.255 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

MDL02

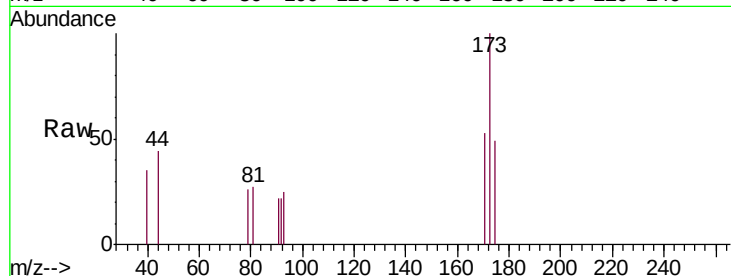
Tgt Ion:173 Resp: 1048

Ion Ratio Lower Upper

173 100

175 47.3 38.3 57.5

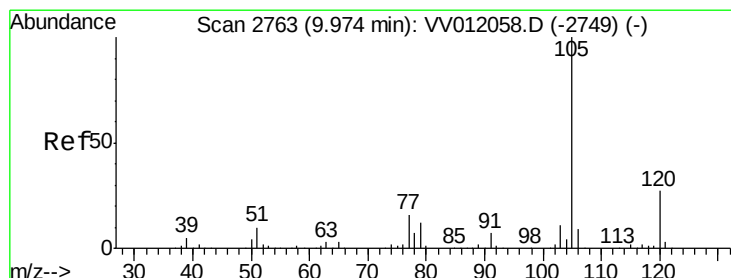
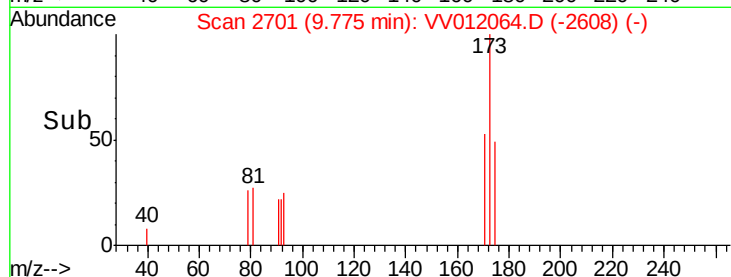
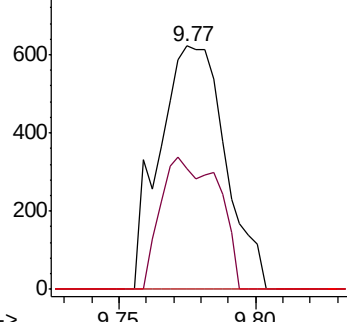
254 0.0 8.6 13.0#



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



#60

Isopropylbenzene

Concen: 0.245 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

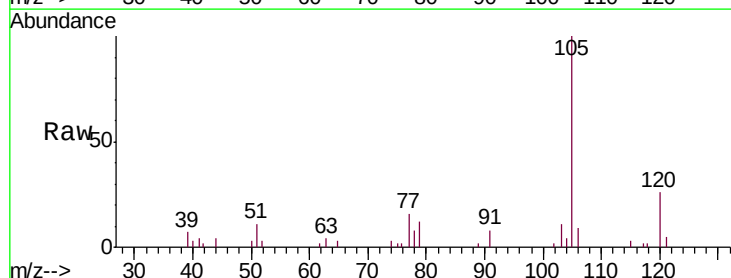
Tgt Ion:105 Resp: 10610

Ion Ratio Lower Upper

105 100

120 26.2 21.5 32.3

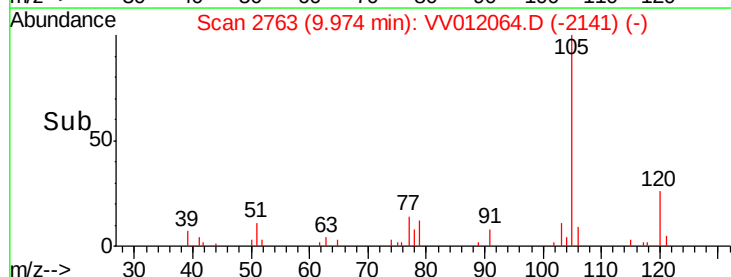
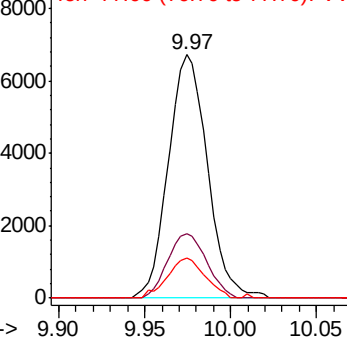
77 15.8 12.3 18.5

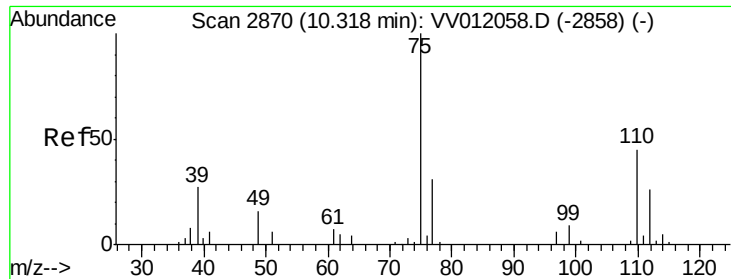


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

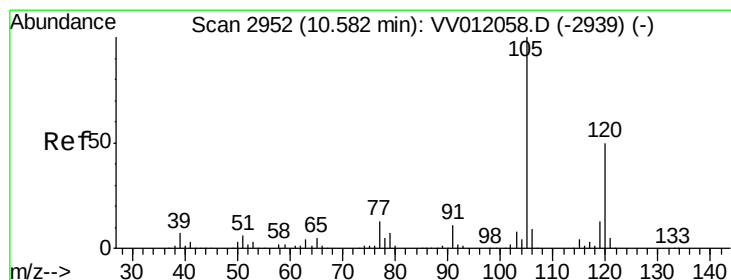
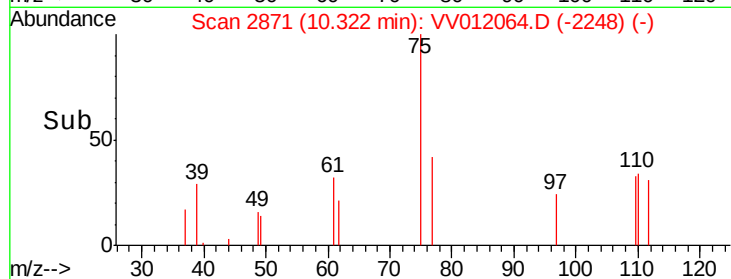
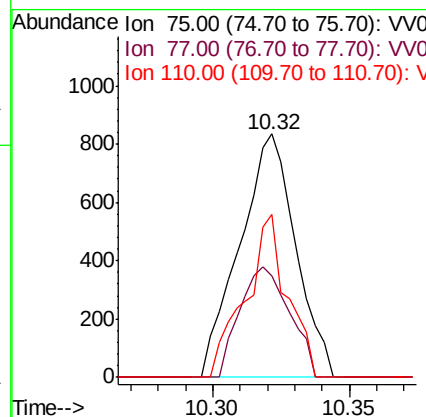
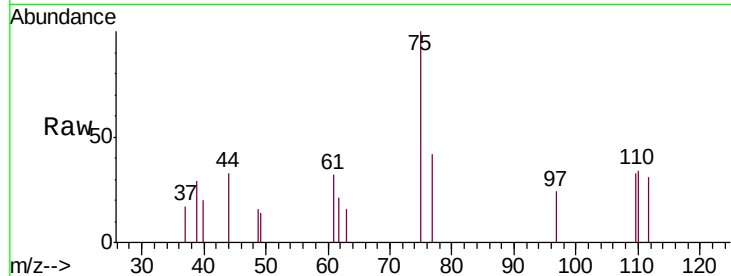




#61
 1,2,3-Trichloropropane
 Concen: 0.240 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV012064.D
 Acq: 29 Jul 2019 15:59

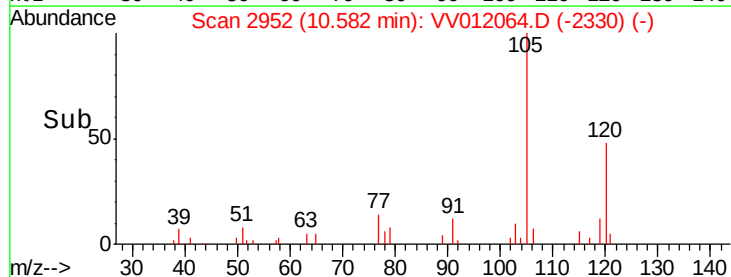
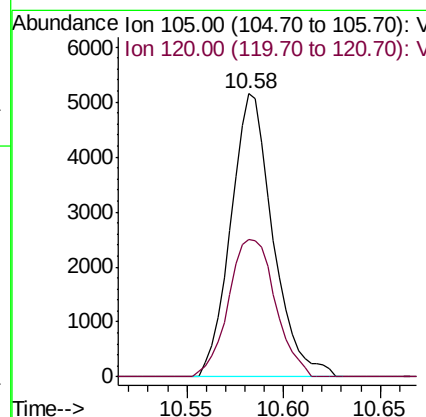
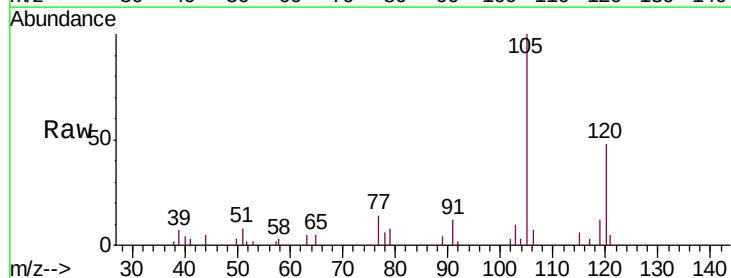
Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

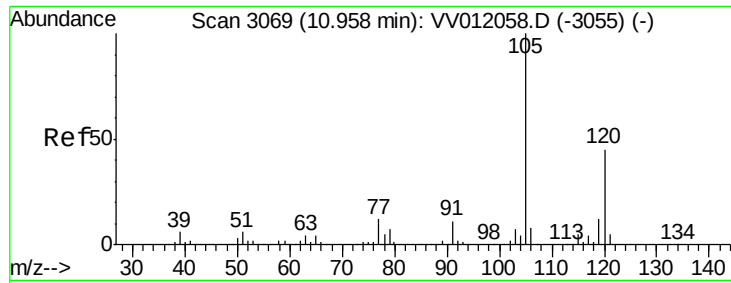
Tgt Ion: 75 Resp: 1186
 Ion Ratio Lower Upper
 75 100
 77 40.5 26.8 40.2#
 110 50.3 35.0 52.6



#62
 1,3,5-Trimethylbenzene
 Concen: 0.217 ug/L
 RT: 10.58 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VV012064.D
 Acq: 29 Jul 2019 15:59

Tgt Ion: 105 Resp: 7771
 Ion Ratio Lower Upper
 105 100
 120 54.1 40.1 60.1

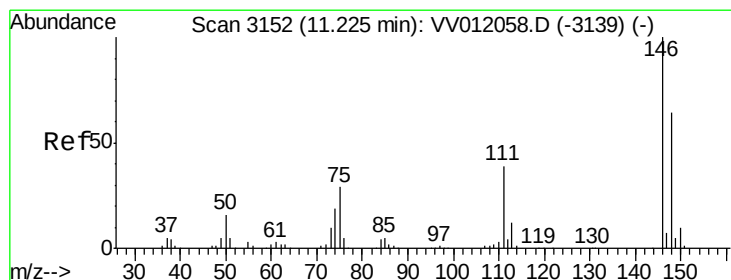
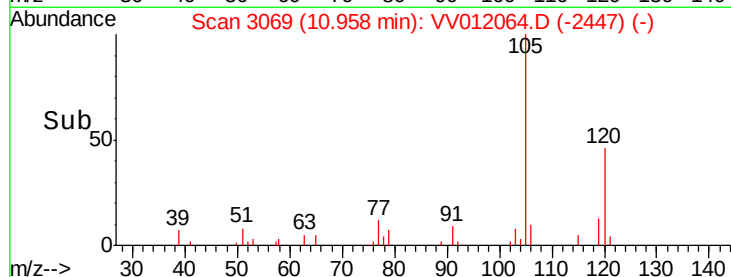
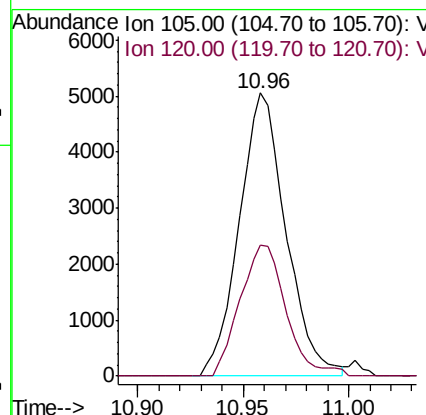
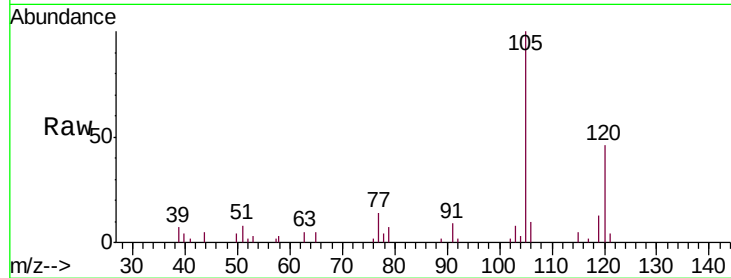




#63
 1,2,4-Trimethylbenzene
 Concen: 0.219 ug/L
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV012064.D
 Acq: 29 Jul 2019 15:59

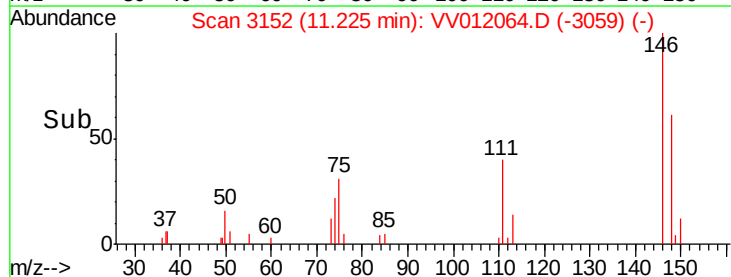
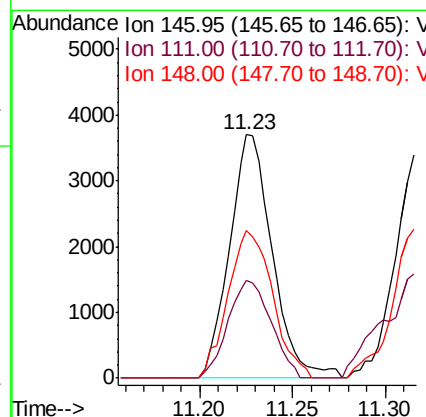
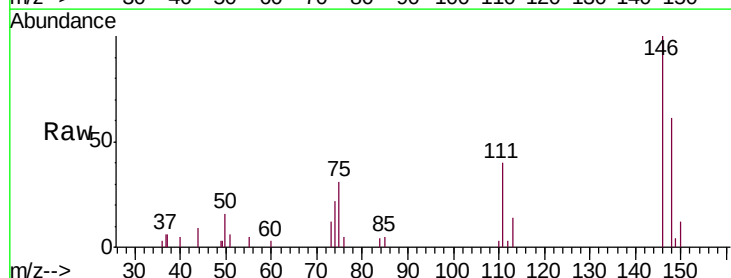
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

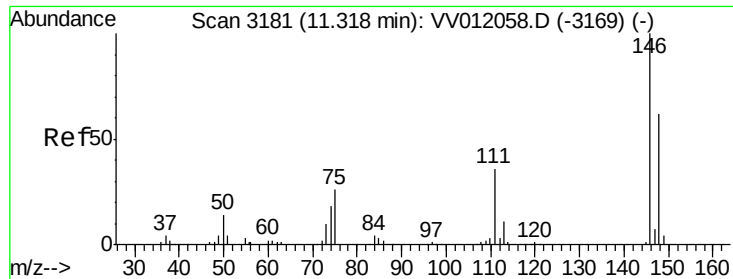
Tgt Ion:105 Resp: 7780
 Ion Ratio Lower Upper
 105 100
 120 45.7 35.8 53.8



#64
 1,3-Dichlorobenzene
 Concen: 0.274 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012064.D
 Acq: 29 Jul 2019 15:59

Tgt Ion:146 Resp: 5911
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.2 50.6
 148 60.6 44.5 82.7





#65

1,4-Dichlorobenzene

Concen: 0.276 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

MDL02

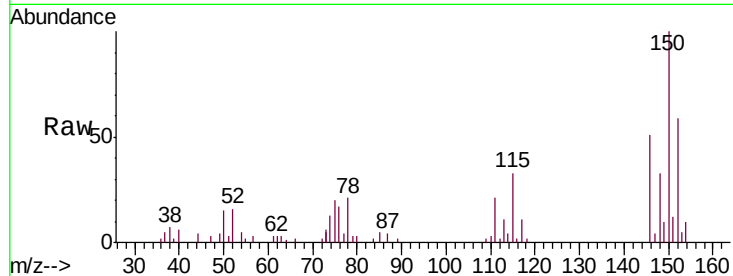
Tgt Ion:146 Resp: 6084

Ion Ratio Lower Upper

146 100

111 41.6 25.8 48.0

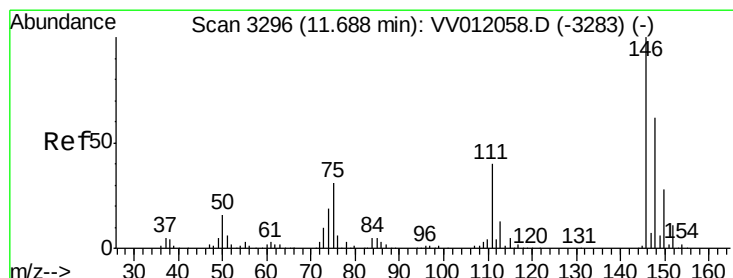
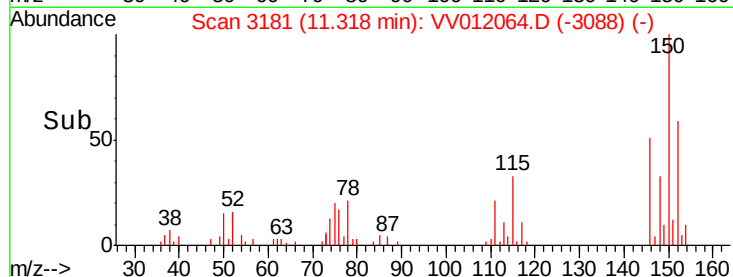
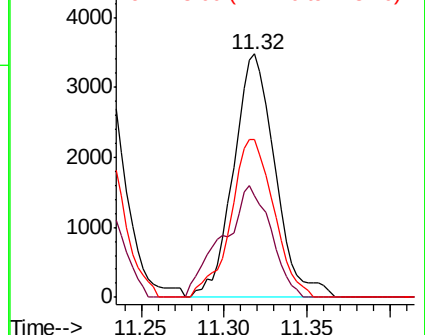
148 64.7 43.8 81.3



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



#67

1,2-Dichlorobenzene

Concen: 0.284 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

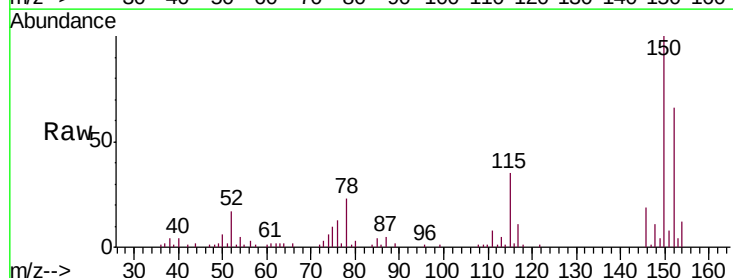
Tgt Ion:146 Resp: 5576

Ion Ratio Lower Upper

146 100

111 43.8 32.4 48.6

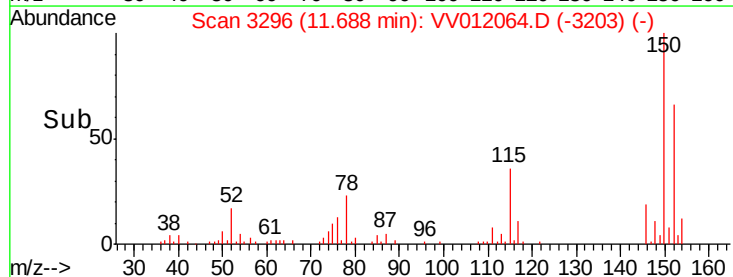
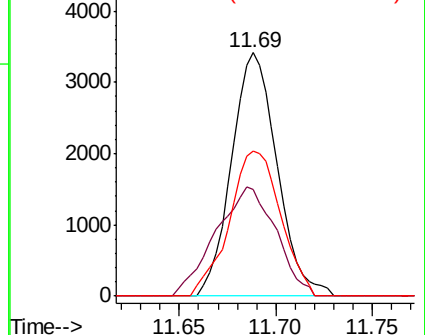
148 59.5 49.4 74.0

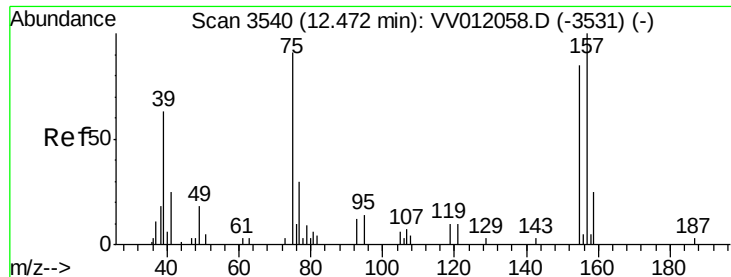


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68

1,2-Dibromo-3-chloropropane

Concen: 0.234 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.01 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

MDL02

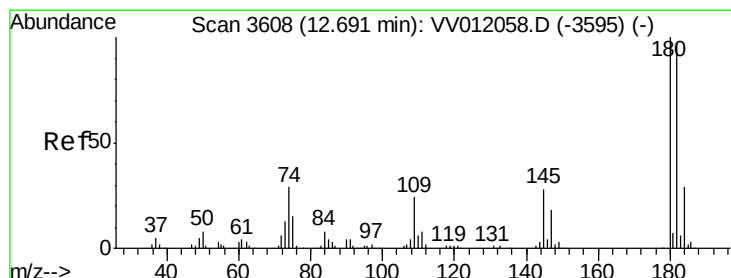
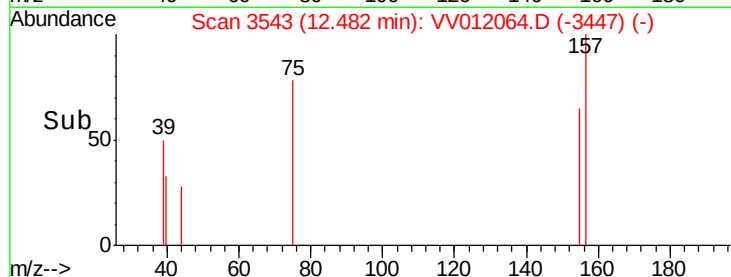
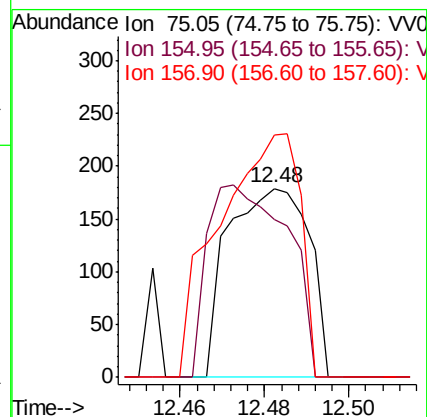
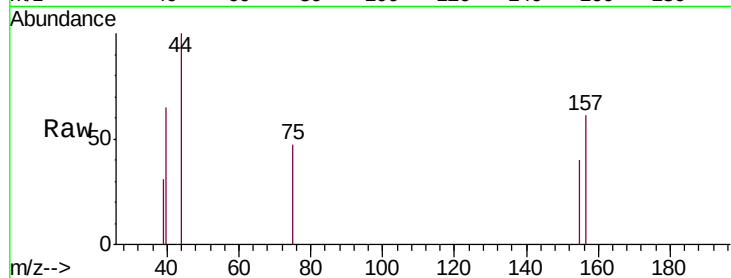
Tgt Ion: 75 Resp: 239

Ion Ratio Lower Upper

75 100

155 83.8 75.0 112.6

157 128.5 87.8 131.6



#69

1,3,5-Trichlorobenzene

Concen: 0.284 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV012064.D

Acq: 29 Jul 2019 15:59

Tgt Ion: 180 Resp: 5078

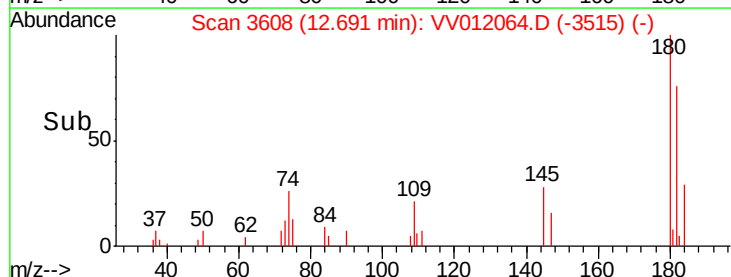
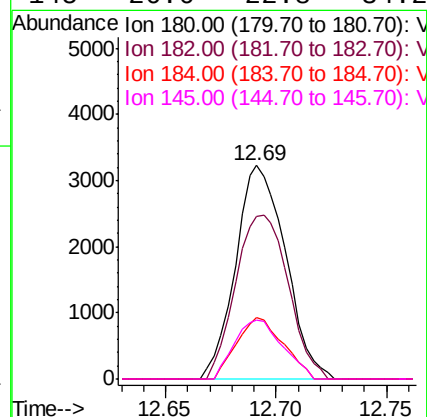
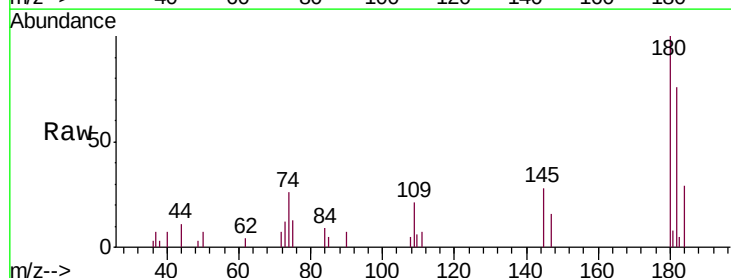
Ion Ratio Lower Upper

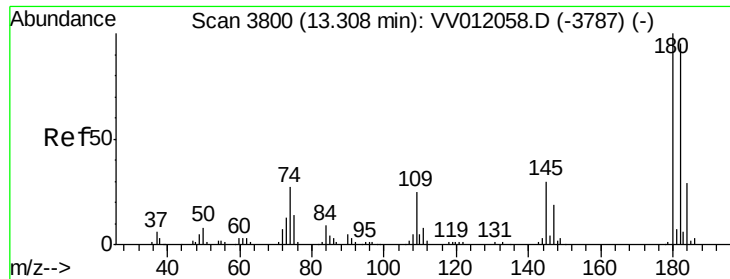
180 100

182 80.7 77.1 115.7

184 26.7 24.6 36.8

145 26.6 22.8 34.2

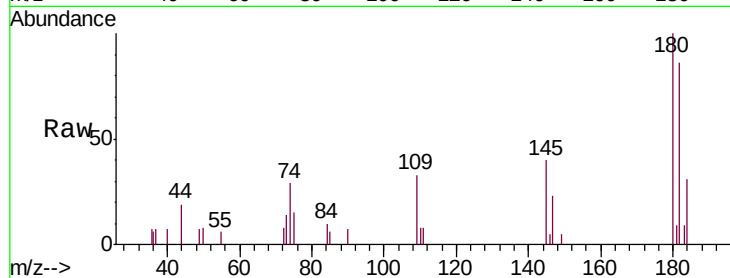




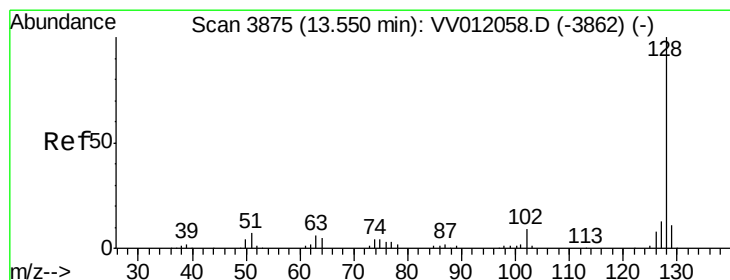
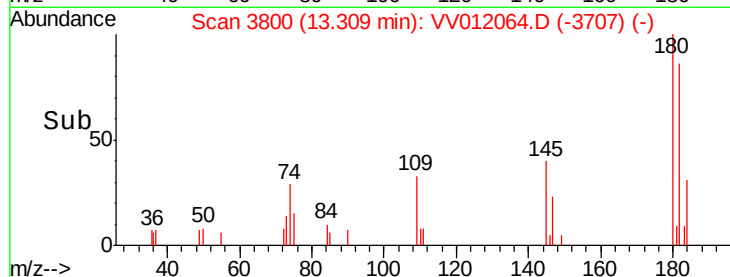
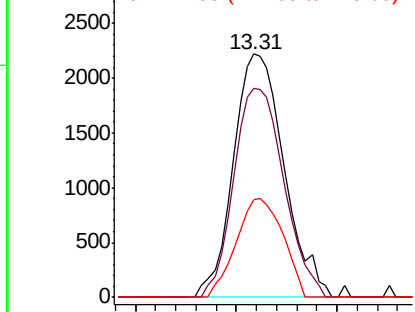
#70
 1,2,4-trichlorobenzene
 Concen: 0.276 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012064.D
 Acq: 29 Jul 2019 15:59

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tgt Ion:180 Resp: 3903
 Ion Ratio Lower Upper
 180 100
 182 85.0 76.1 114.1
 145 37.5 24.3 36.5#

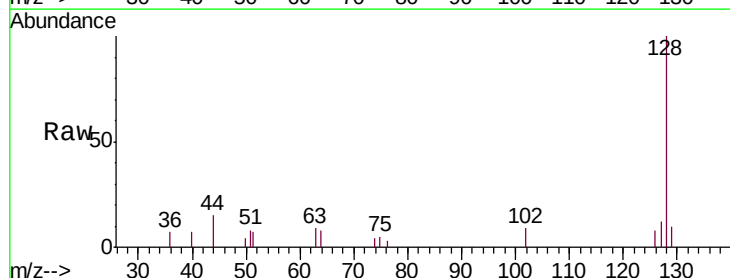


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

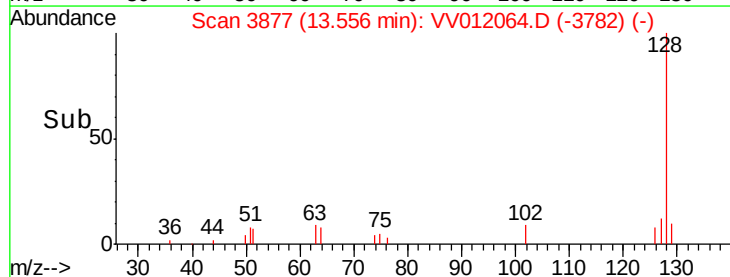
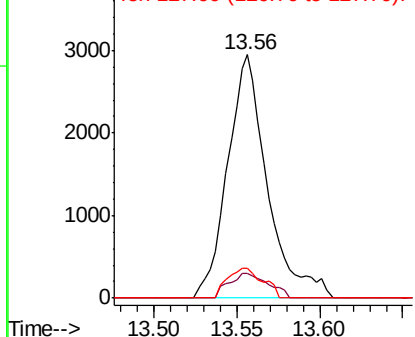


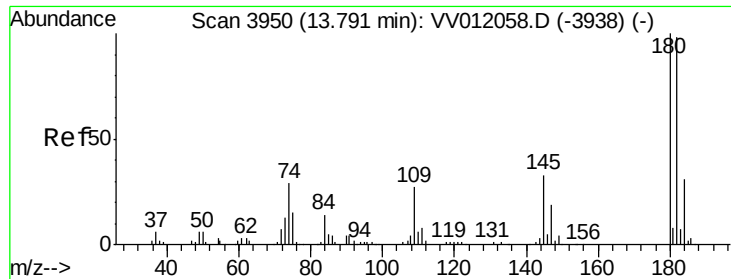
#71
 Naphthalene
 Concen: 0.250 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.01 min
 Lab File: VV012064.D
 Acq: 29 Jul 2019 15:59

Tgt Ion:128 Resp: 4899
 Ion Ratio Lower Upper
 128 100
 129 10.1 9.1 13.7
 127 11.0 10.4 15.6



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

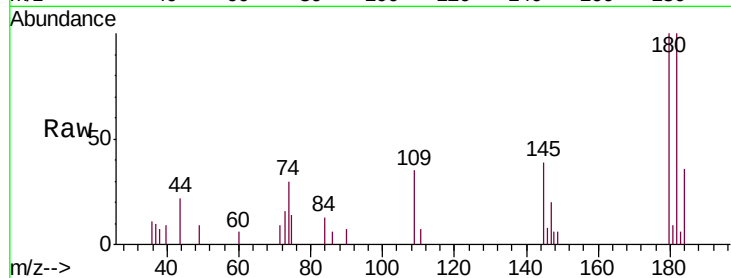




#72
 1,2,3-Trichlorobenzene
 Concen: 0.247 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.01 min
 Lab File: VV012064.D
 Acq: 29 Jul 2019 15:59

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.9	78.5	117.7
145	30.0	25.8	38.8



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

