

Data File : VV012087.D
Acq On : 30 Jul 2019 23:07
Operator : SY/MD
Sample : MDL04
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Quant Time: Jul 31 05:39:23 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	116645	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	112541	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	57400	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25211	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.59	69	19733	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.13	63	40798	3.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.40%
20) 2-Butanone-d5	3.97	46	73623	48.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.84%
24) Chloroform-d	4.40	84	68801	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.08	65	40105	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.10	84	135889	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.12	67	37127	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.36	98	127171	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	7.67	79	15230	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.14	63	57850	48.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.32%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	27306	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	53325	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3836	0.297 ug/L	99
3) Chloromethane	1.25	50	2002	0.324 ug/L	99
5) Vinyl chloride	1.32	62	1998	0.296 ug/L	82
6) Bromomethane	1.54	94	1244	0.297 ug/L	75
8) Chloroethane	1.60	64	1416	0.377 ug/L #	77
9) Trichlorofluoromethane	1.77	101	3916	0.299 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2111	0.378 ug/L	90
12) 1,1-Dichloroethene	2.14	96	2034	0.397 ug/L #	1
13) Acetone	2.23	43	1487	1.922 ug/L	95
14) Carbon disulfide	2.32	76	4312	0.308 ug/L	95
15) Methyl Acetate	2.47	43	415	0.236 ug/L #	78
16) Methylene chloride	2.53	84	2057	0.387 ug/L	86
17) Methyl tert-butyl Ether	2.81	73	5035	0.296 ug/L #	92
18) trans-1,2-Dichloroethene	2.79	96	2351	0.308 ug/L	91
19) 1,1-Dichloroethane	3.23	63	4033	0.297 ug/L	98
21) 2-Butanone	4.06	43	2116	1.379 ug/L	87
22) cis-1,2-Dichloroethene	3.97	96	2322	0.284 ug/L	92

Data File : VV012087.D
Acq On : 30 Jul 2019 23:07
Operator : SY/MD
Sample : MDL04
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Quant Time: Jul 31 05:39:23 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

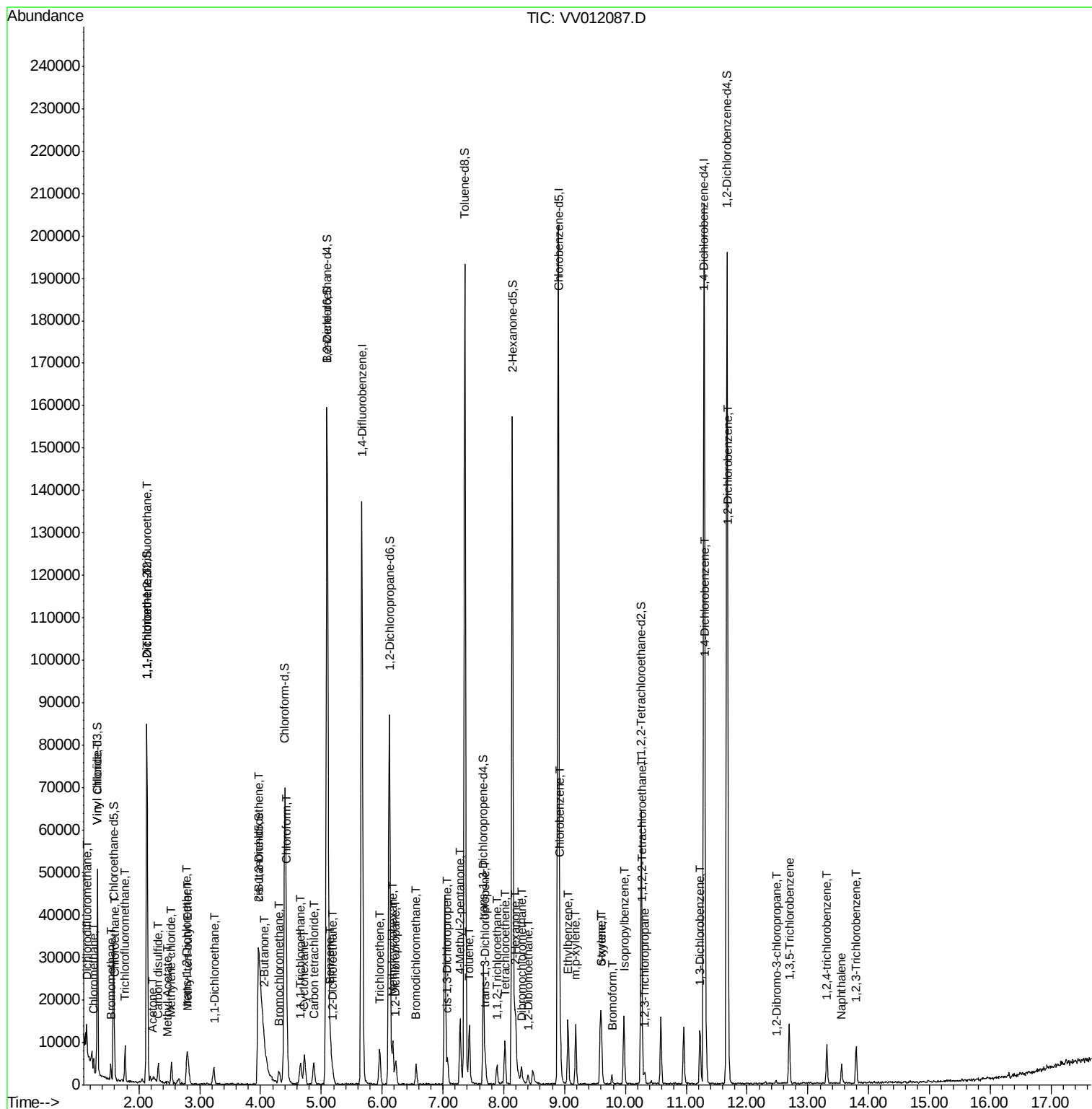
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	1033	0.281	ug/L #	75
25) Chloroform	4.43	83	10968	0.622	ug/L	97
27) 1,2-Dichloroethane	5.19	62	3236	0.334	ug/L #	94
29) 1,1,1-Trichloroethane	4.66	97	4556	0.312	ug/L #	84
30) Cyclohexane	4.72	56	3255	0.292	ug/L #	65
31) Carbon tetrachloride	4.87	117	3504	0.267	ug/L	92
33) Benzene	5.15	78	9267	0.311	ug/L	100
34) Trichloroethene	5.96	95	2538	0.295	ug/L	94
35) Methylcyclohexane	6.18	83	3797	0.291	ug/L	93
37) 1,2-Dichloropropane	6.22	63	2275	0.330	ug/L #	82
38) Bromodichloromethane	6.56	83	3271	0.323	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	2806	0.261	ug/L	84
40) 4-Methyl-2-pentanone	7.28	43	9766	2.601	ug/L #	84
42) Toluene	7.43	91	10184	0.312	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	2668	0.308	ug/L	87
45) 1,1,2-Trichloroethane	7.88	97	1406	0.273	ug/L	93
47) Tetrachloroethene	8.02	164	2249	0.288	ug/L	91
48) 2-Hexanone	8.19	43	8679	3.323	ug/L	96
49) Dibromochloromethane	8.29	129	2233	0.335	ug/L	88
50) 1,2-Dibromoethane	8.39	107	1464	0.297	ug/L #	90
51) Chlorobenzene	8.93	112	6969	0.315	ug/L	96
52) Ethylbenzene	9.05	91	10551	0.281	ug/L	98
53) m,p-xylene	9.18	106	3975	0.276	ug/L	100
54) o-xylene	9.59	106	3586	0.260	ug/L	90
55) Styrene	9.60	104	6553	0.280	ug/L	99
56) Isopropylbenzene	9.97	105	10266	0.268	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	1819	0.320	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	1132	0.264	ug/L #	80
61) Bromoform	9.77	173	1095	0.321	ug/L #	48
62) 1,3-Dichlorobenzene	11.23	146	5429	0.307	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	5824	0.322	ug/L #	84
65) 1,2-Dichlorobenzene	11.69	146	5444	0.340	ug/L #	89
66) 1,2-Dibromo-3-chloropropan	12.48	75	164	0.191	ug/L #	64
67) 1,3,5-Trichlorobenzene	12.69	180	4613	0.318	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	3430	0.293	ug/L	97
69) Naphthalene	13.55	128	4592	0.292	ug/L #	94
70) 1,2,3-Trichlorobenzene	13.79	180	2937	0.282	ug/L	92

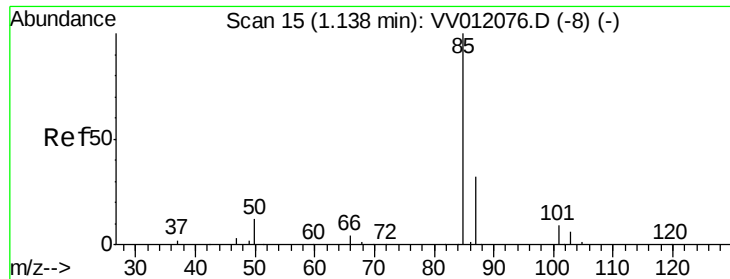
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV012087.D
Acq On : 30 Jul 2019 23:07
Operator : SY/MD
Sample : MDL04
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Quant Time: Jul 31 05:39:23 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





#2

Dichlorodifluoromethane

Concen: 0.297 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampleId :

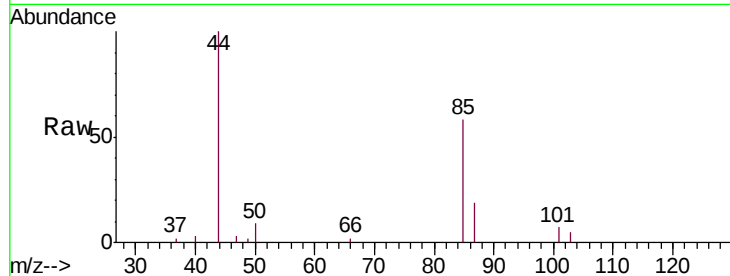
MDL04

Tgt Ion: 85 Resp: 3836

Ion Ratio Lower Upper

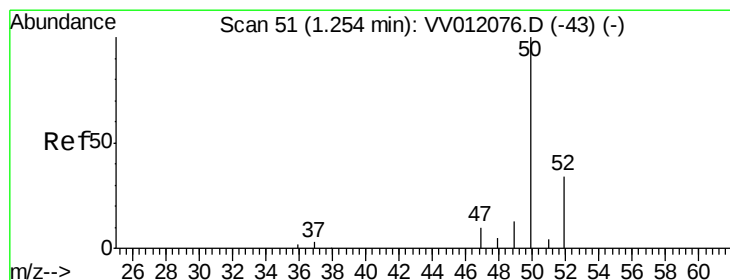
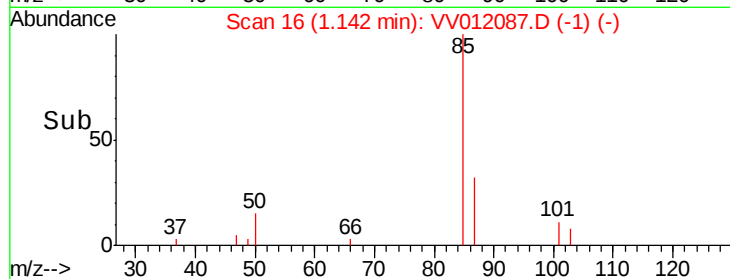
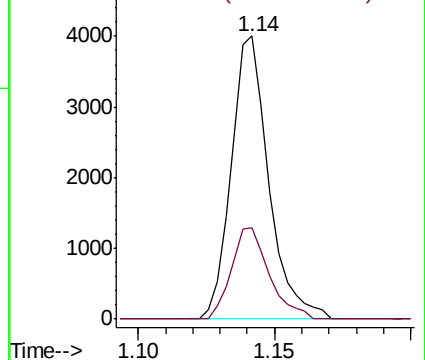
85 100

87 32.7 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: 0.324 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012087.D

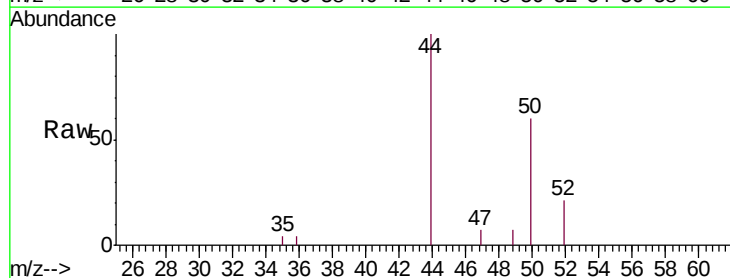
Acq: 30 Jul 2019 23:07

Tgt Ion: 50 Resp: 2002

Ion Ratio Lower Upper

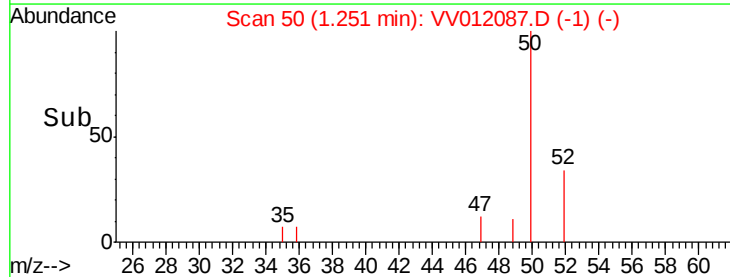
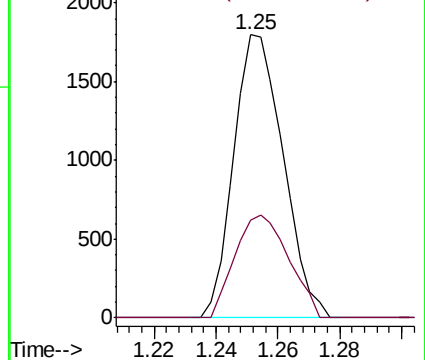
50 100

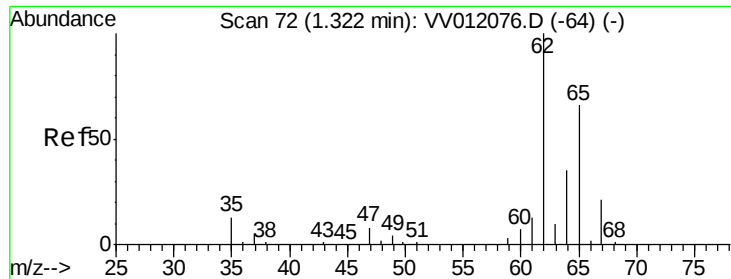
52 34.4 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.296 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampled :

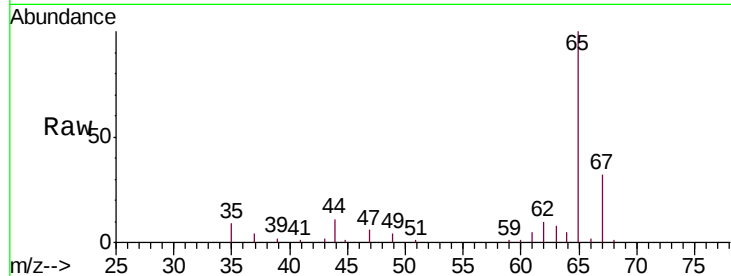
MDL04

Tgt Ion: 62 Resp: 1998

Ion Ratio Lower Upper

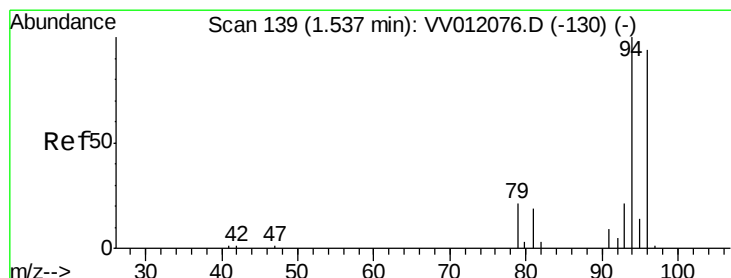
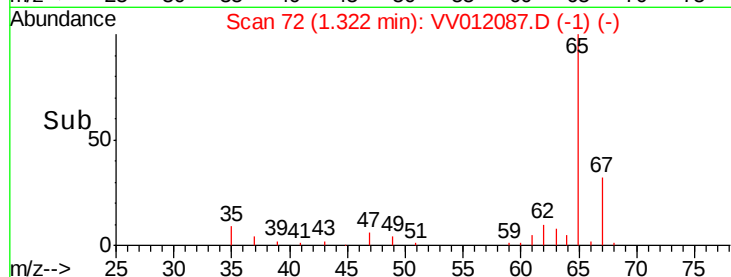
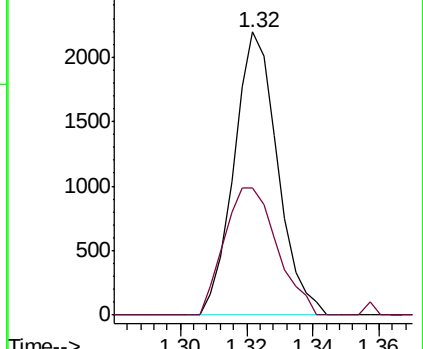
62 100

64 45.1 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: 0.297 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012087.D

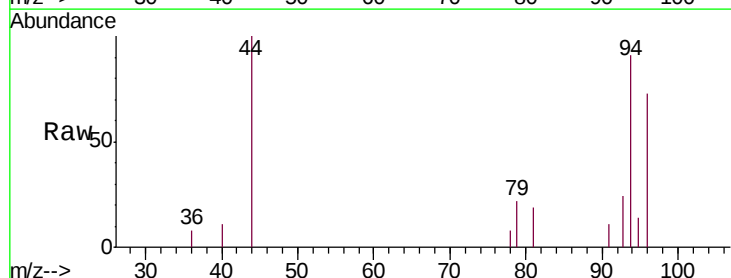
Acq: 30 Jul 2019 23:07

Tgt Ion: 94 Resp: 1244

Ion Ratio Lower Upper

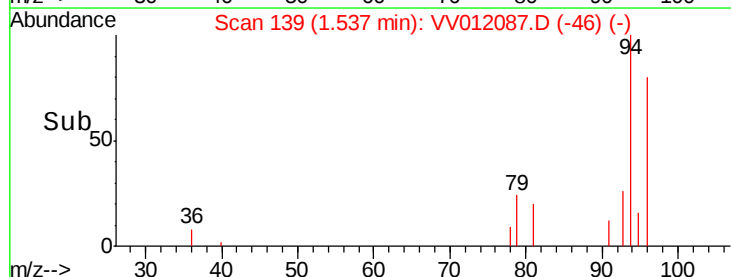
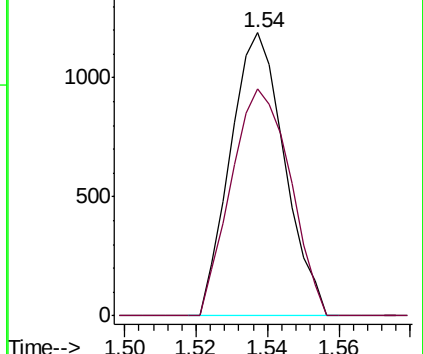
94 100

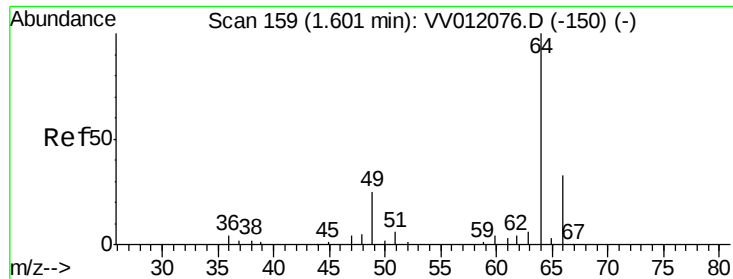
96 69.5 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.377 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampled :

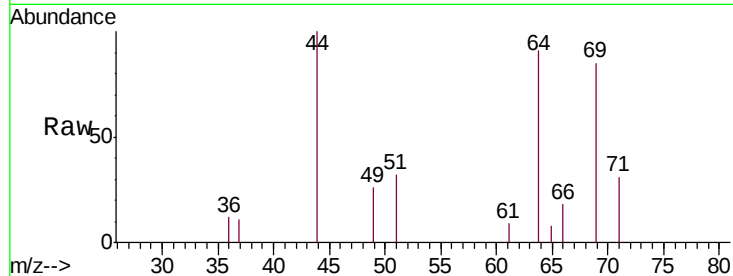
MDL04

Tgt Ion: 64 Resp: 1416

Ion Ratio Lower Upper

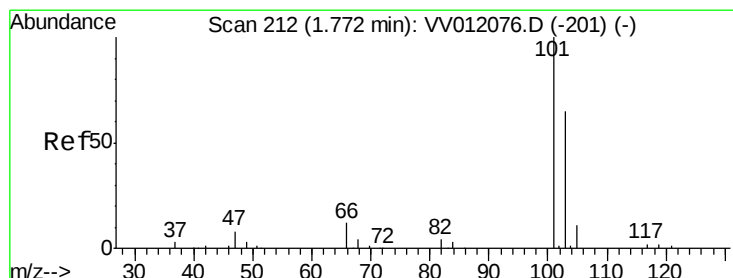
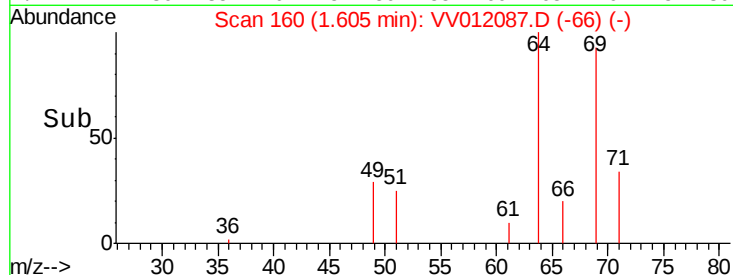
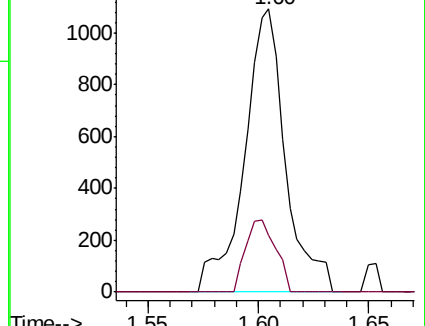
64 100

66 20.1 23.1 42.9#



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

Ion 66.05 (65.75 to 66.75): VV012087.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 0.299 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012087.D

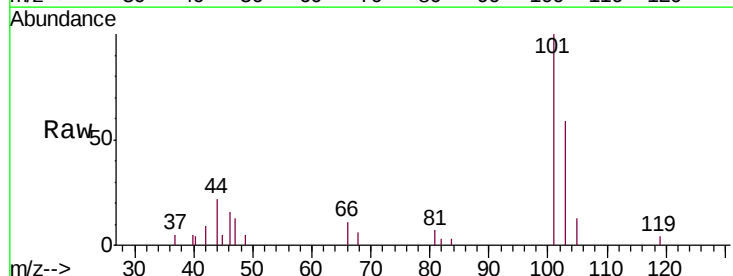
Acq: 30 Jul 2019 23:07

Tgt Ion: 101 Resp: 3916

Ion Ratio Lower Upper

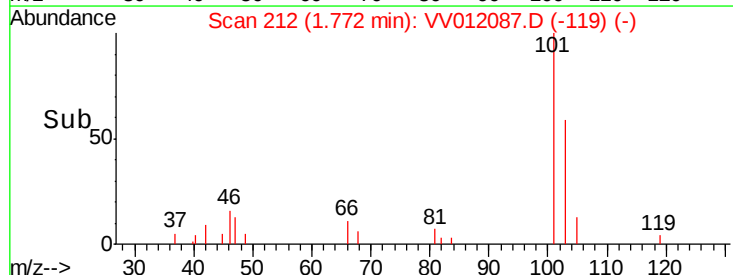
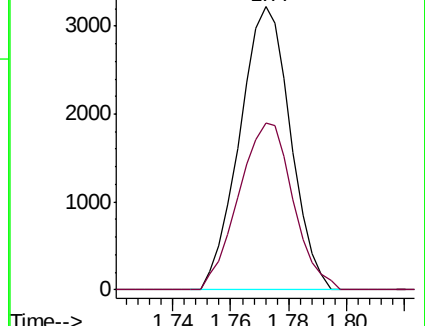
101 100

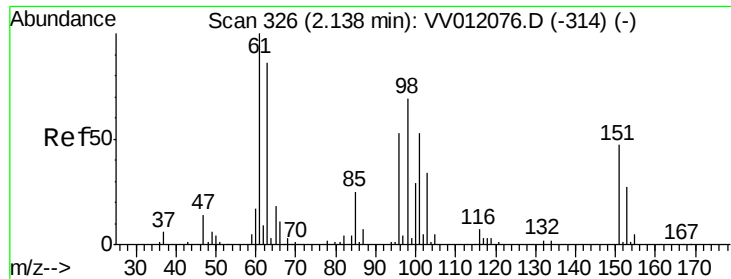
103 63.1 51.3 76.9



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

Ion 103.00 (102.70 to 103.70): VV012087.D (-119) (-)





#10

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

Concen: 0.378 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampleId :

MDL04

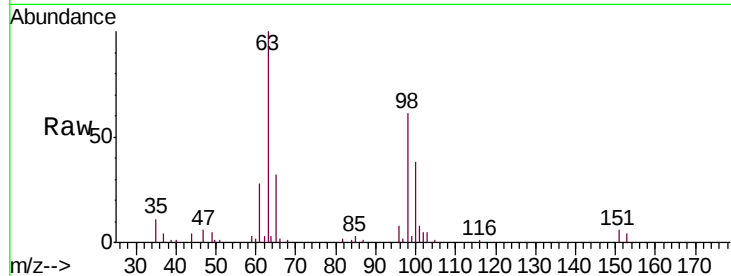
Tgt Ion:101 Resp: 2111

Ion Ratio Lower Upper

101 100

85 39.8 37.4 56.2

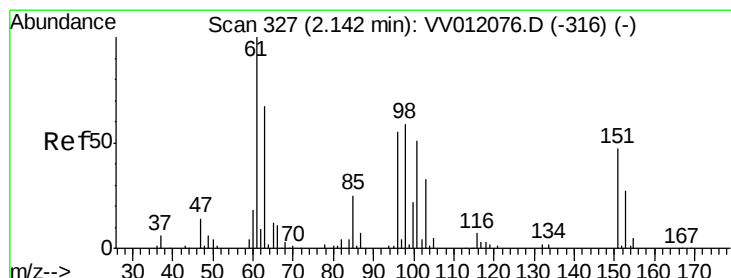
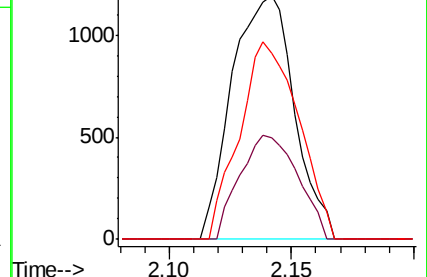
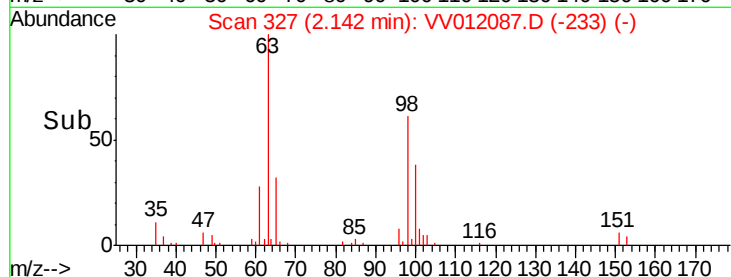
151 77.3 69.1 103.7



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: VV012087.D

Acq: 30 Jul 2019 23:07

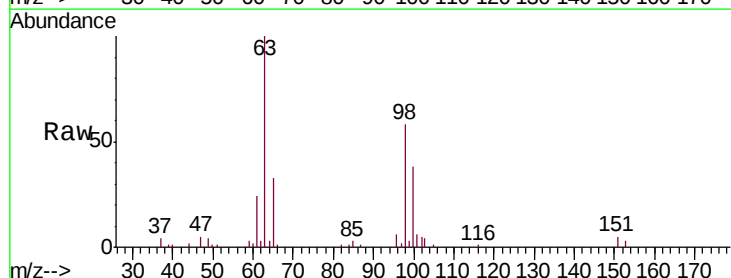
Tgt Ion: 96 Resp: 2034

Ion Ratio Lower Upper

96 100

61 392.3 126.9 235.7#

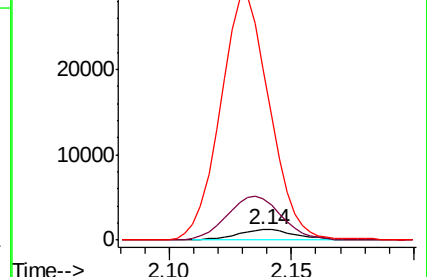
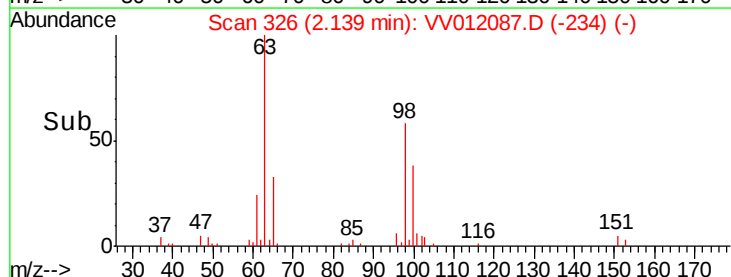
63 1637.8 87.6 162.8#

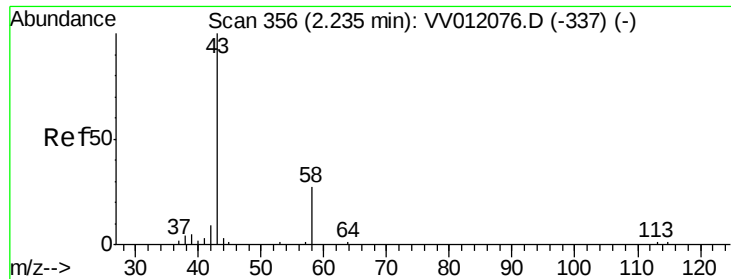


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.922 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.01 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampleId :

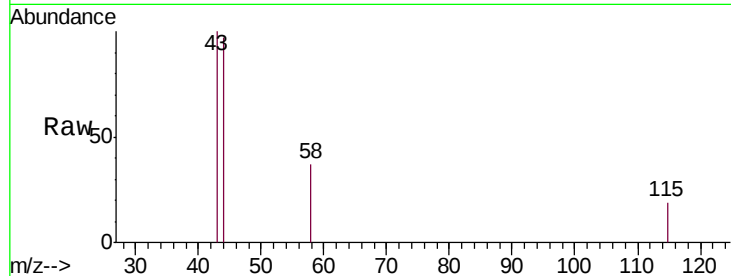
MDL04

Tgt Ion: 43 Resp: 1487

Ion Ratio Lower Upper

43 100

58 22.9 0.0 51.0



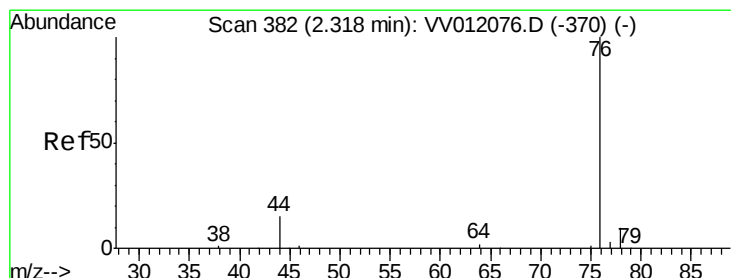
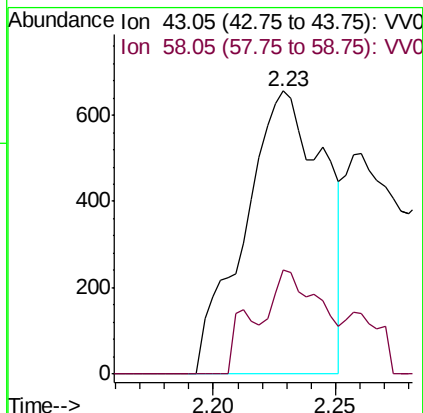
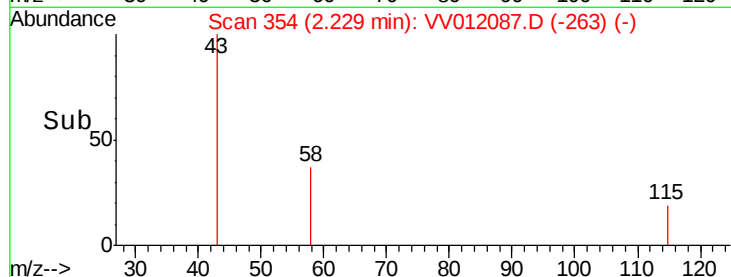
Abundance Ion 43.05 (42.75 to 43.75): VV012076.D (-337) (-)

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

2.23

2.25

Time-->



#14

Carbon disulfide

Concen: 0.308 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012087.D

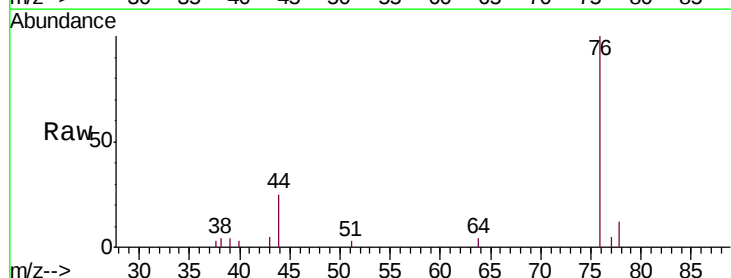
Acq: 30 Jul 2019 23:07

Tgt Ion: 76 Resp: 4312

Ion Ratio Lower Upper

76 100

78 11.6 7.9 11.9



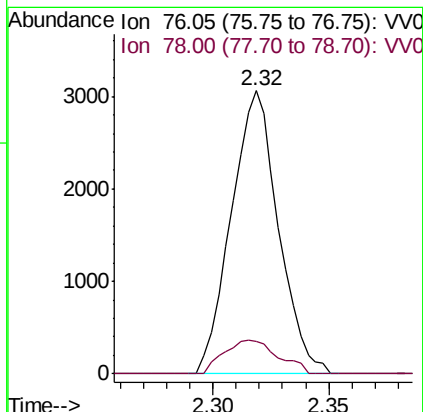
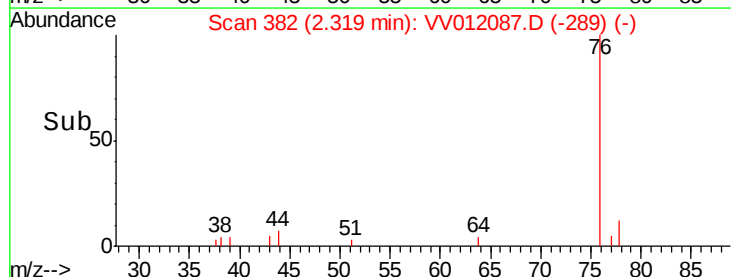
Abundance Ion 76.05 (75.75 to 76.75): VV012076.D (-370) (-)

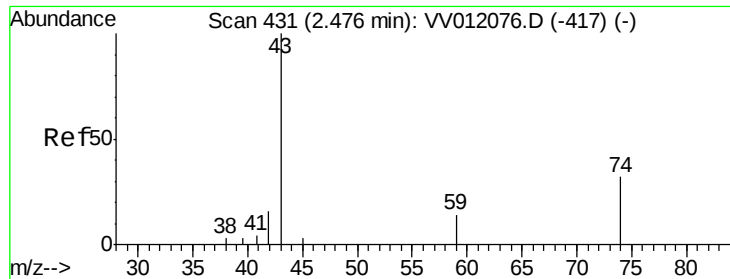
Ion 78.00 (77.70 to 78.70): VV012076.D (-370) (-)

2.32

2.35

Time-->

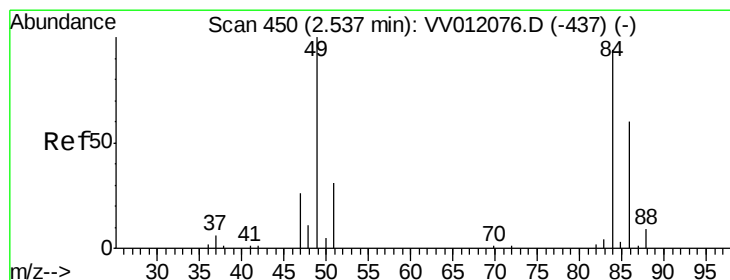
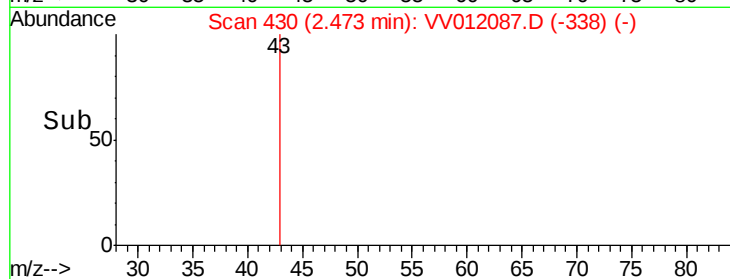
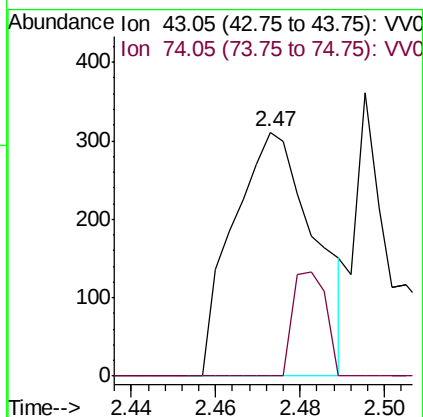
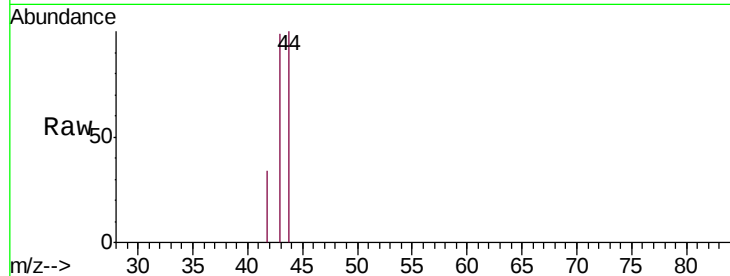




#15
Methyl Acetate
Concen: 0.236 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

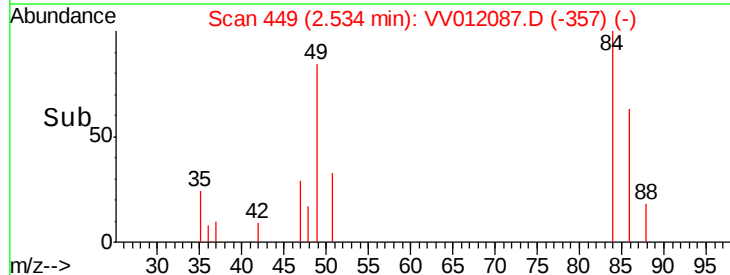
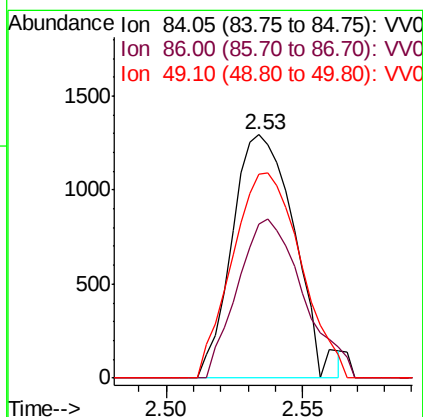
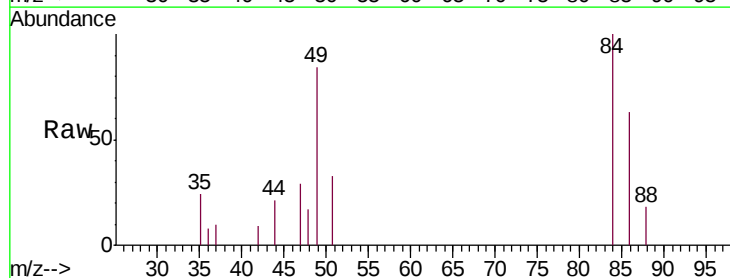
Instrument :
MSVOA_V
ClientSampled :
MDL04

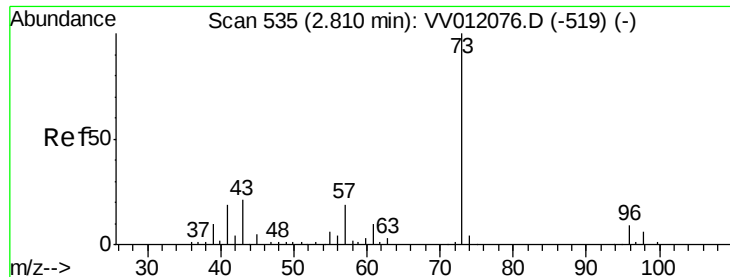
Tgt Ion: 43 Resp: 415
Ion Ratio Lower Upper
43 100
74 17.3 23.4 35.0#



#16
Methylene chloride
Concen: 0.387 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Tgt Ion: 84 Resp: 2057
Ion Ratio Lower Upper
84 100
86 63.5 45.0 83.6
49 83.7 74.4 138.2





#17

Methyl tert-butyl Ether

Concen: 0.296 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampleId :

MDL04

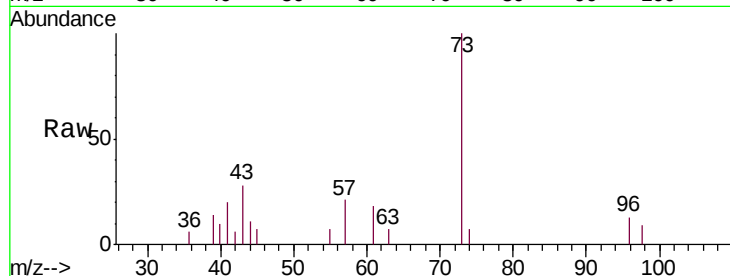
Tgt Ion: 73 Resp: 5035

Ion Ratio Lower Upper

73 100

43 26.5 17.2 25.8#

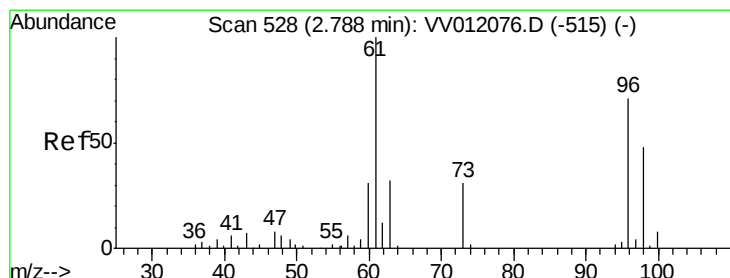
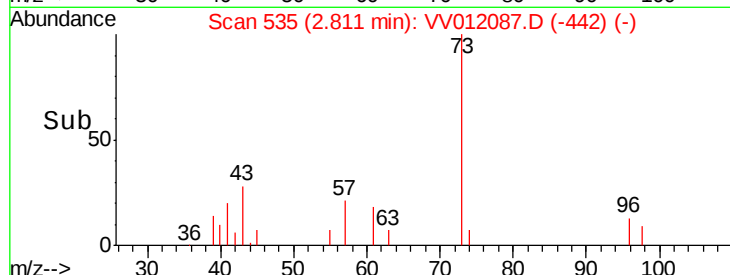
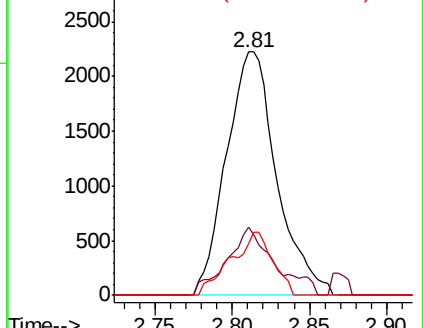
57 21.6 15.1 22.7



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: 0.308 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

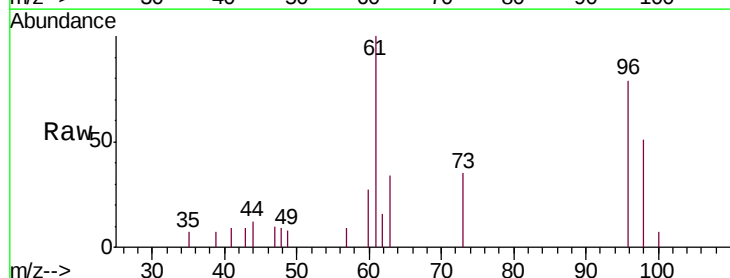
Tgt Ion: 96 Resp: 2351

Ion Ratio Lower Upper

96 100

61 127.0 99.0 184.0

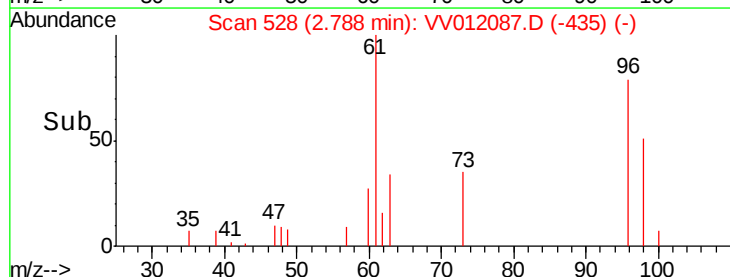
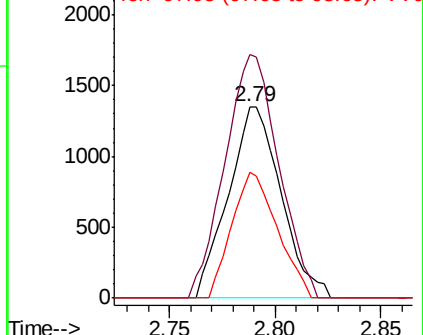
98 65.3 47.9 88.9

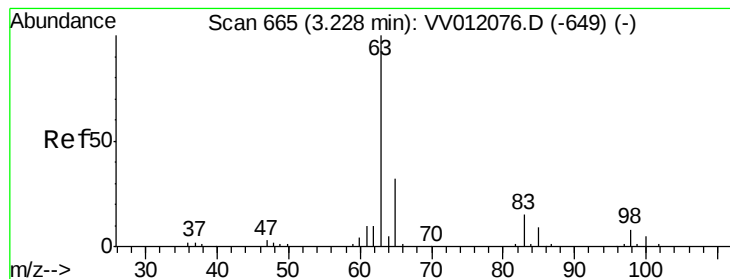


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 0.297 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampleId :

MDL04

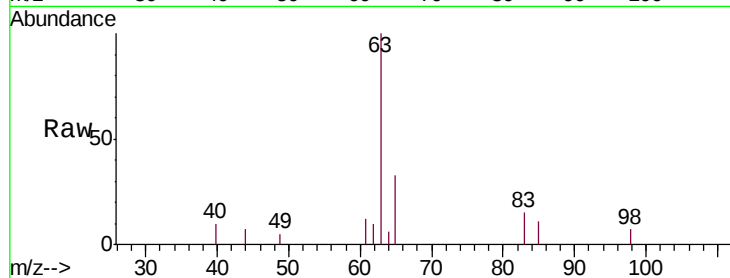
Tgt Ion: 63 Resp: 4033

Ion Ratio Lower Upper

63 100

65 32.9 22.3 41.3

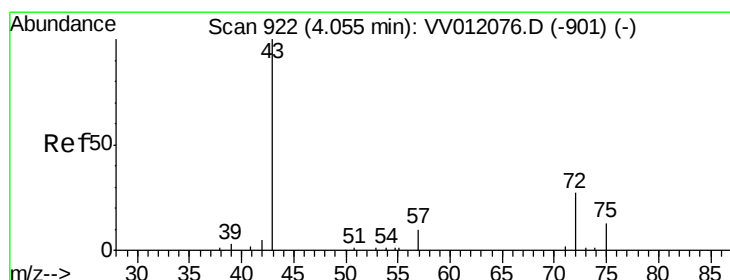
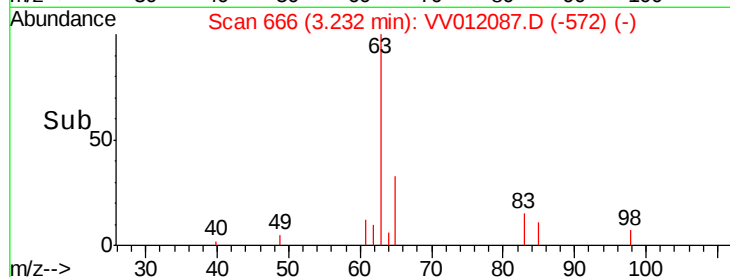
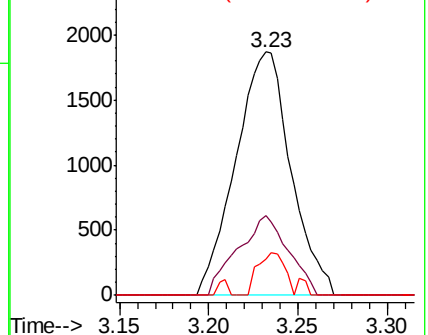
83 15.0 10.4 19.2



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 1.379 ug/L

RT: 4.06 min Scan# 925

Delta R.T. 0.01 min

Lab File: VV012087.D

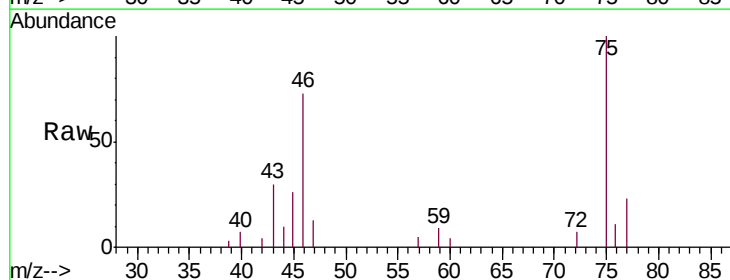
Acq: 30 Jul 2019 23:07

Tgt Ion: 43 Resp: 2116

Ion Ratio Lower Upper

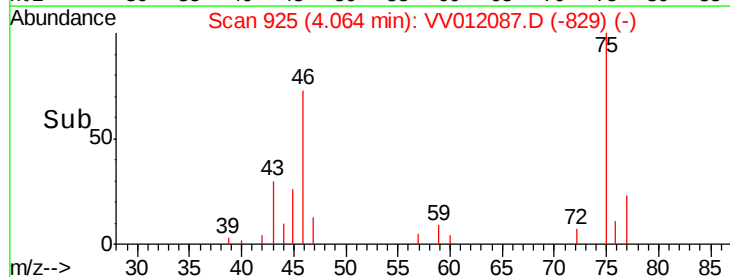
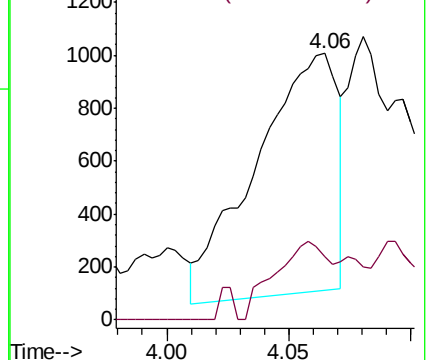
43 100

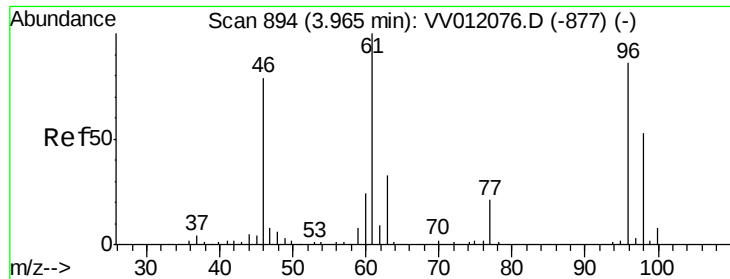
72 21.4 14.0 42.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



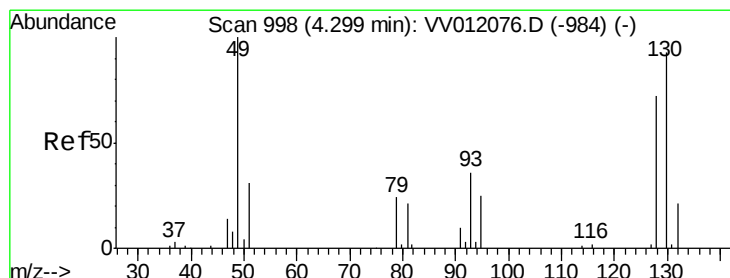
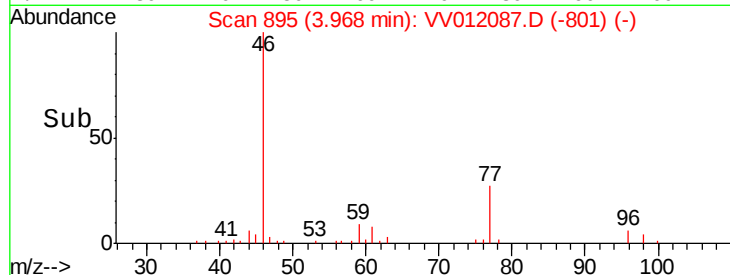
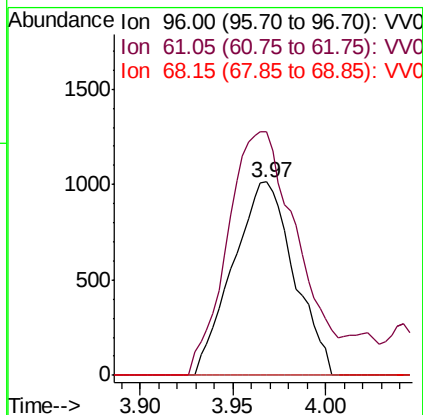
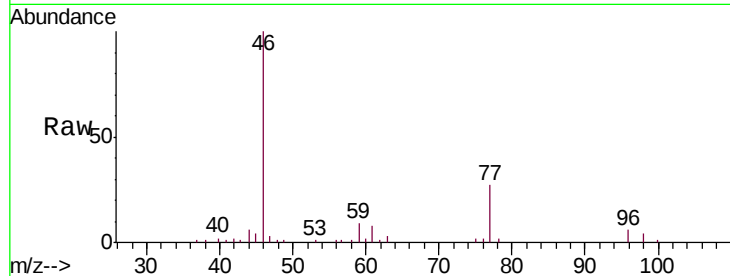


#22

cis-1,2-Dichloroethene
 Concen: 0.284 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

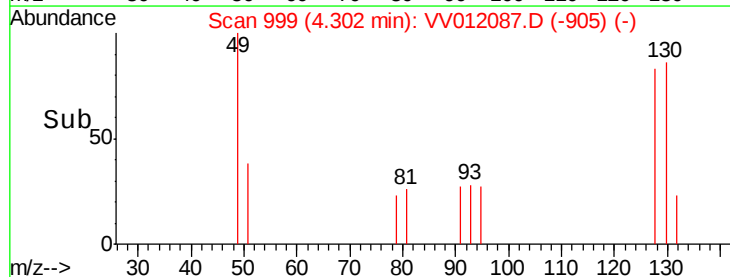
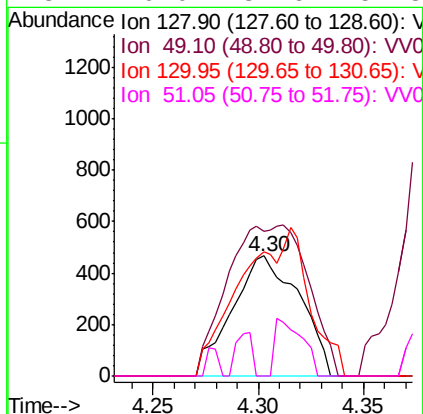
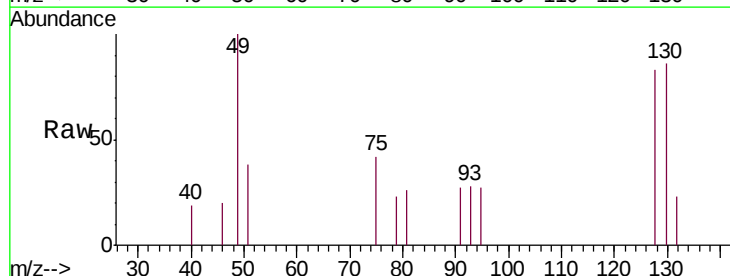
Tgt Ion: 96 Resp: 2322
 Ion Ratio Lower Upper
 96 100
 61 125.8 81.5 151.5
 68 0.0 0.0 0.0

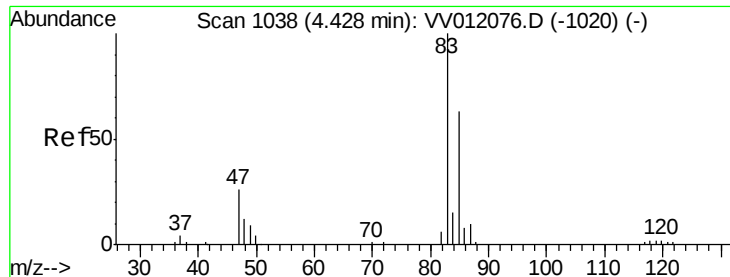


#23

Bromochloromethane
 Concen: 0.281 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Tgt Ion: 128 Resp: 1033
 Ion Ratio Lower Upper
 128 100
 49 121.0 97.9 181.7
 130 103.9 90.9 168.9
 51 0.0 34.6 51.8#

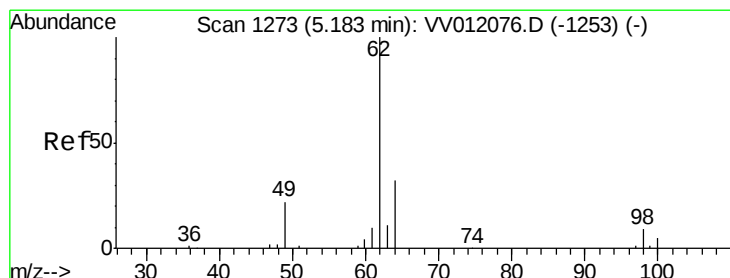
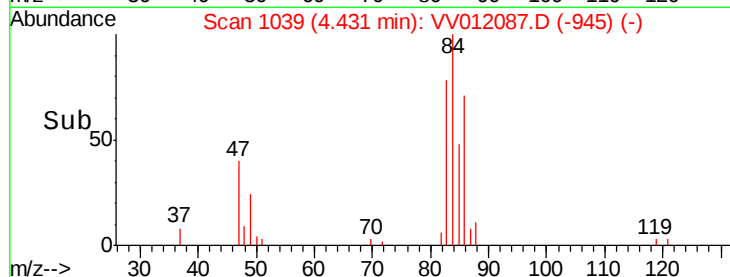
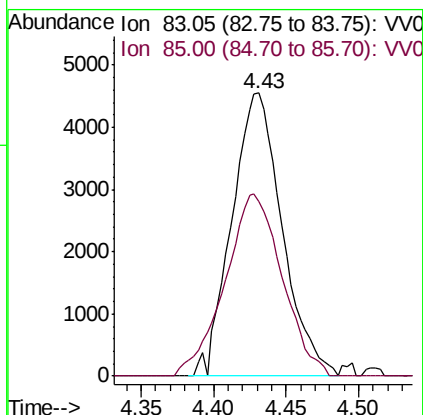
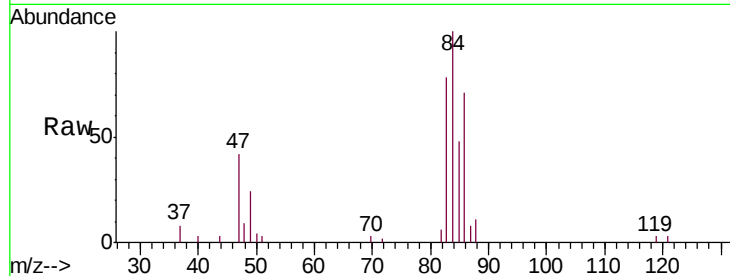




#25
Chloroform
Concen: 0.622 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

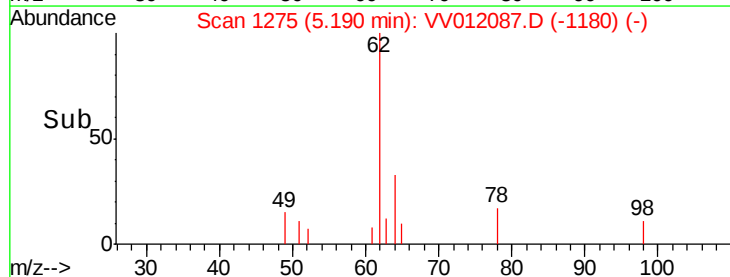
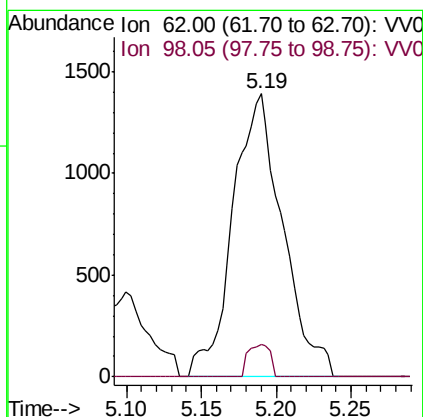
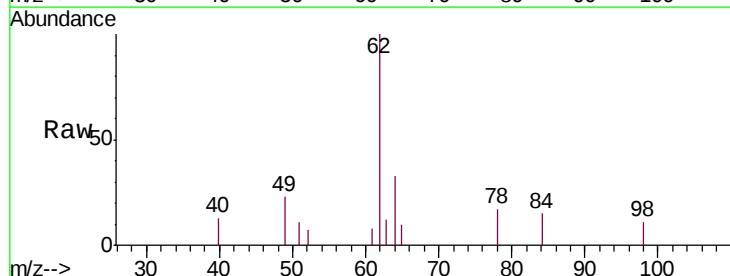
Instrument :
MSVOA_V
ClientSampled :
MDL04

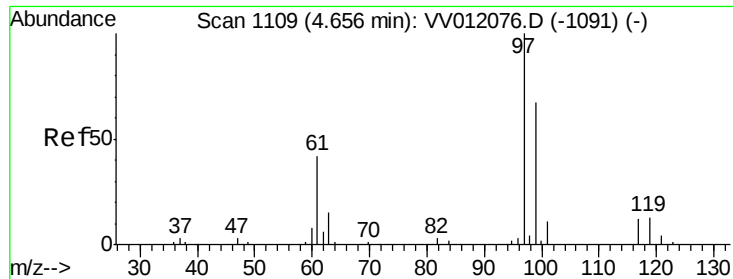
Tgt Ion: 83 Resp: 10968
Ion Ratio Lower Upper
83 100
85 61.7 44.7 83.1



#27
1,2-Dichloroethane
Concen: 0.334 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Tgt Ion: 62 Resp: 3236
Ion Ratio Lower Upper
62 100
98 11.3 7.3 10.9#

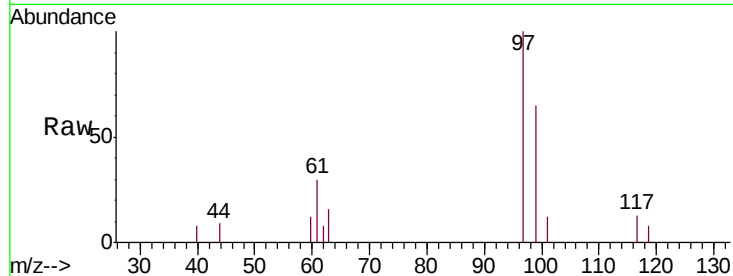




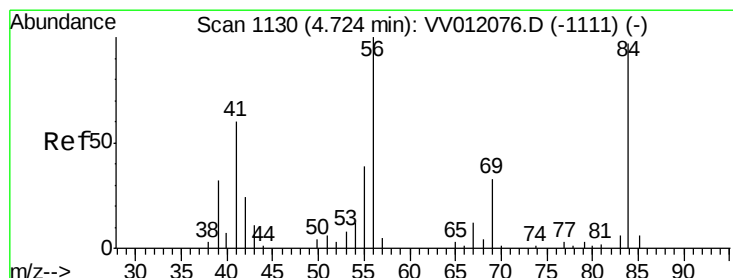
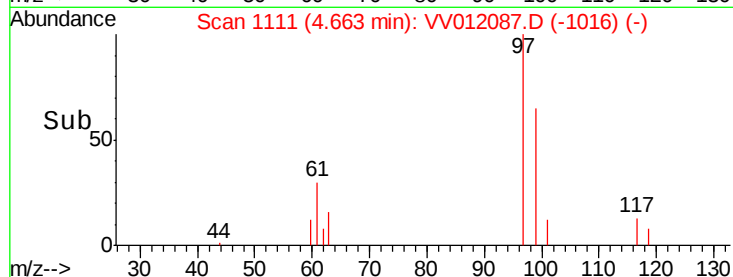
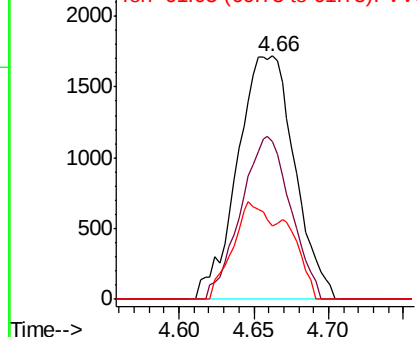
#29
 1,1,1-Trichloroethane
 Concen: 0.312 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tgt Ion: 97 Resp: 4556
 Ion Ratio Lower Upper
 97 100
 99 58.4 51.7 77.5
 61 25.5 34.2 51.2#

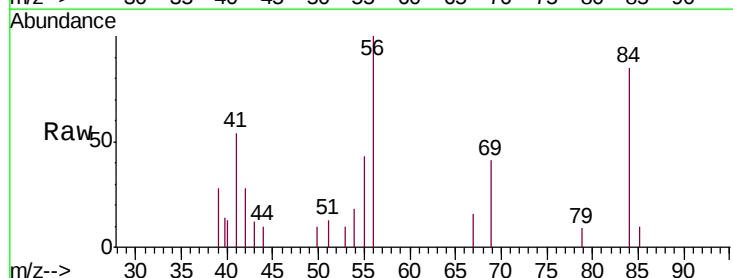


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

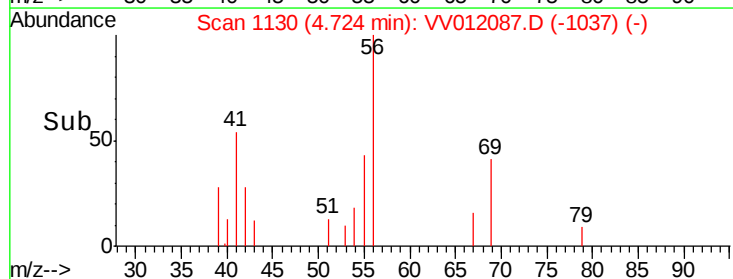
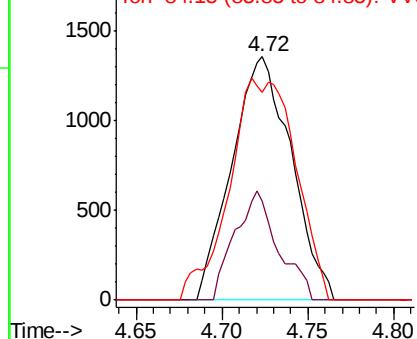


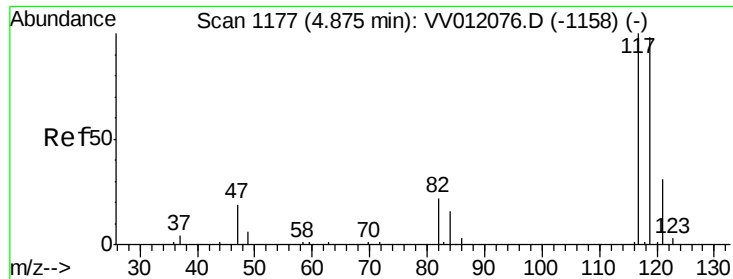
#30
 Cyclohexane
 Concen: 0.292 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Tgt Ion: 56 Resp: 3255
 Ion Ratio Lower Upper
 56 100
 69 32.7 26.0 39.0
 84 53.6 79.9 119.9#



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.267 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampleId :

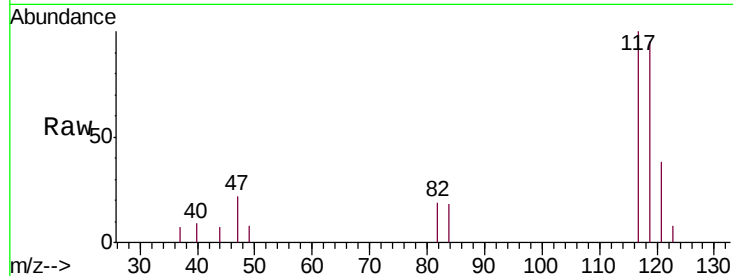
MDL04

Tgt Ion:117 Resp: 3504

Ion Ratio Lower Upper

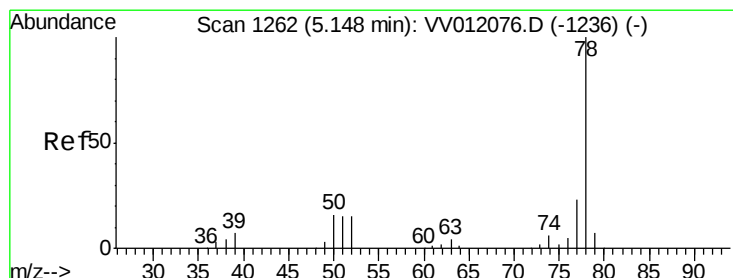
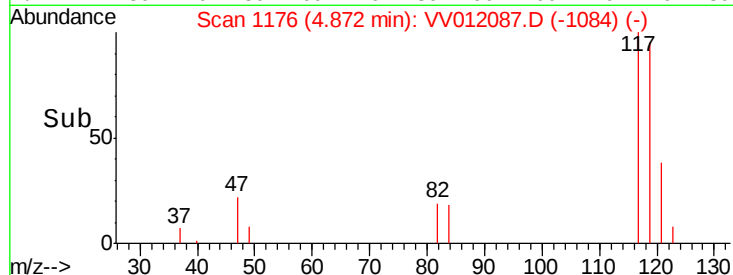
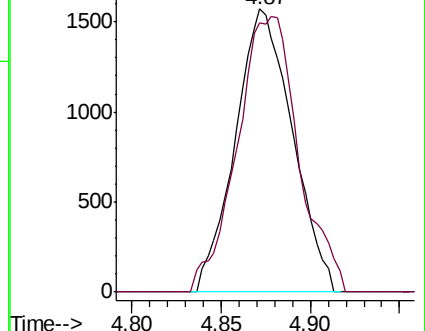
117 100

119 105.1 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: 0.311 ug/L

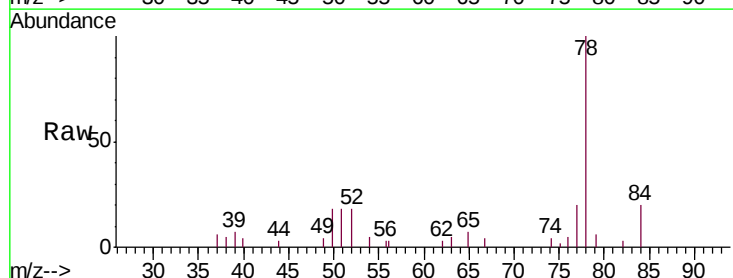
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

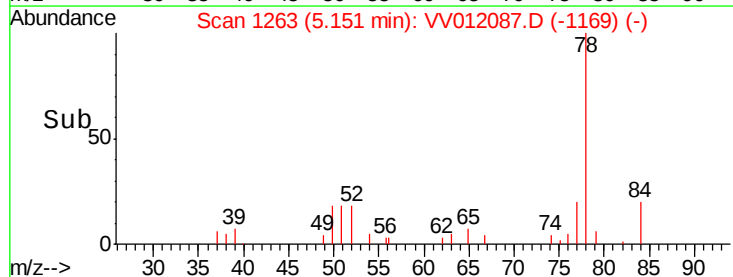
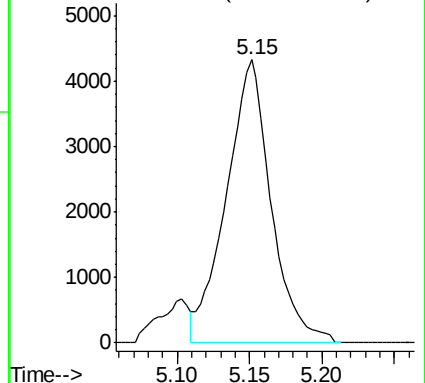
Lab File: VV012087.D

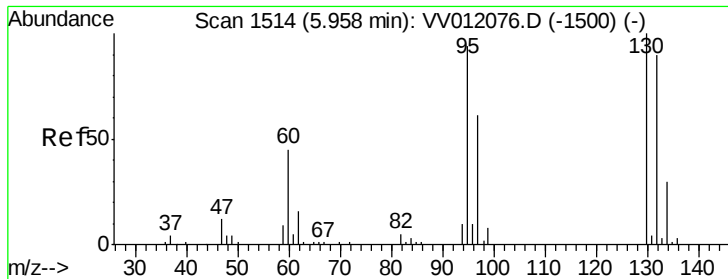
Acq: 30 Jul 2019 23:07

Tgt Ion: 78 Resp: 9267



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.295 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tgt Ion: 95 Resp: 2538

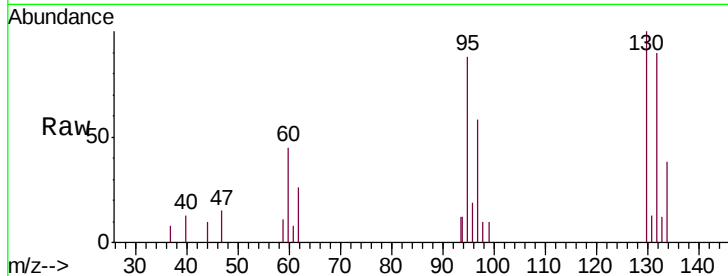
Ion Ratio Lower Upper

95 100

97 65.5 45.4 84.2

132 102.6 67.0 124.4

130 113.4 74.3 137.9

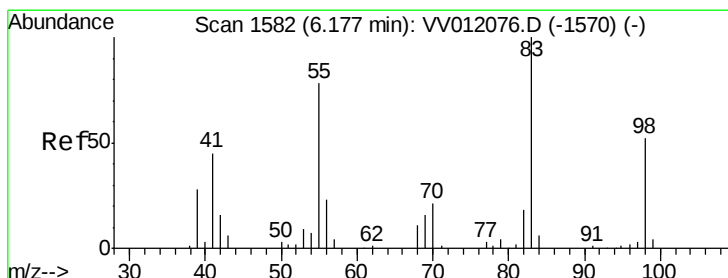
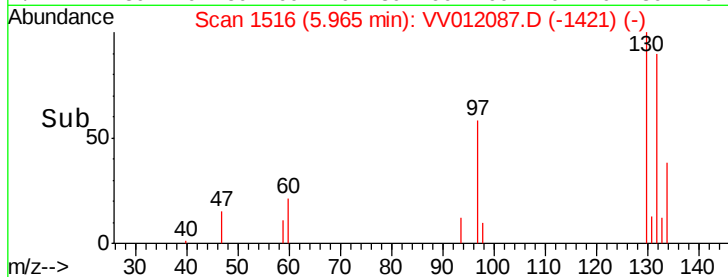
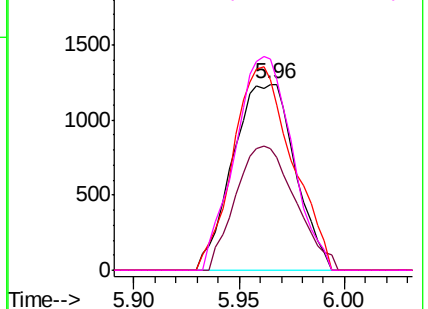


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.291 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

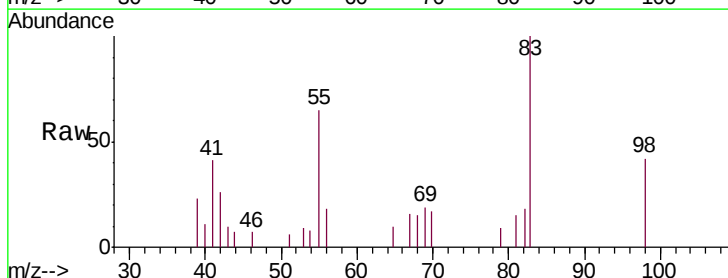
Tgt Ion: 83 Resp: 3797

Ion Ratio Lower Upper

83 100

55 70.1 59.9 89.9

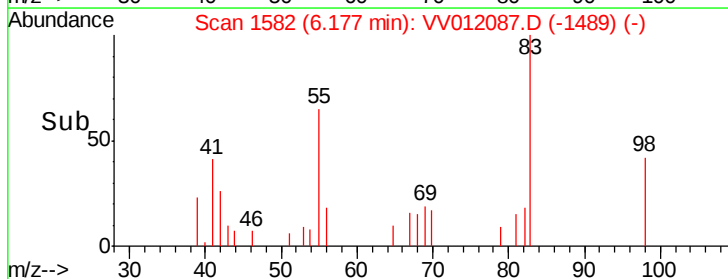
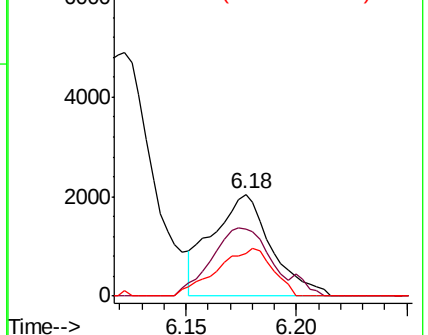
98 43.9 40.8 61.2

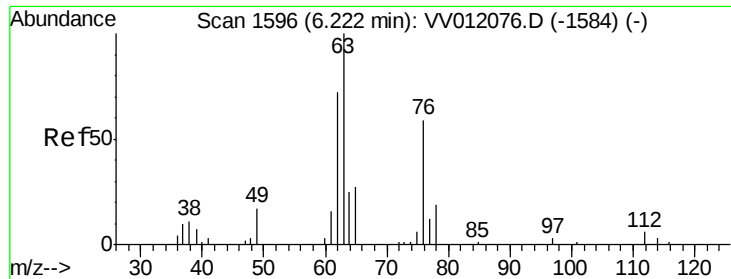


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.330 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampled :

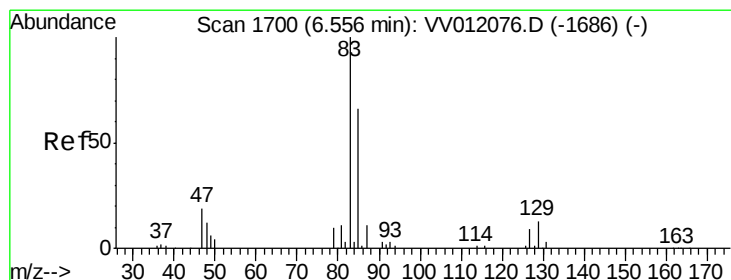
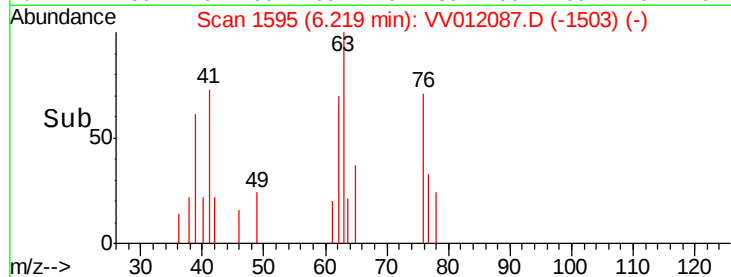
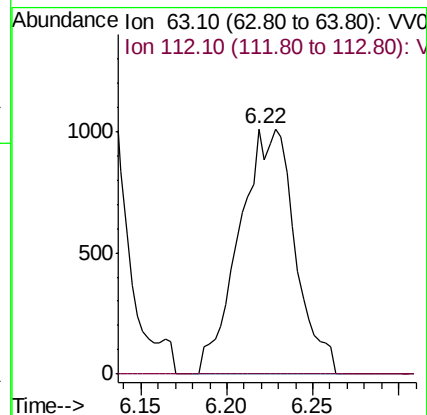
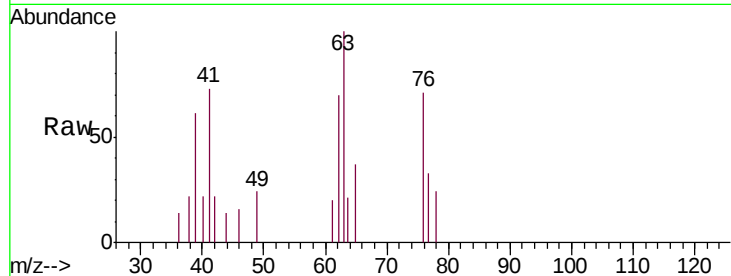
MDL04

Tgt Ion: 63 Resp: 2275

Ion Ratio Lower Upper

63 100

112 0.0 4.7 7.1#



#38

Bromodichloromethane

Concen: 0.323 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

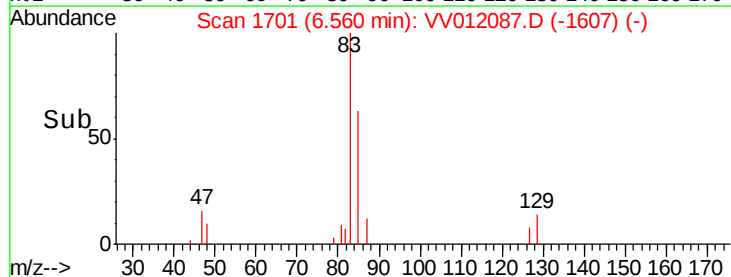
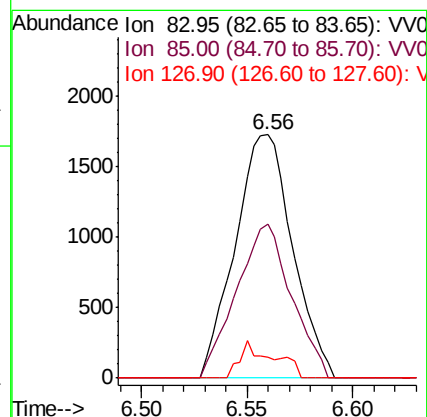
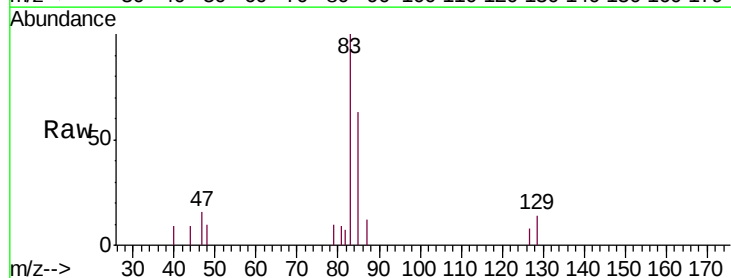
Tgt Ion: 83 Resp: 3271

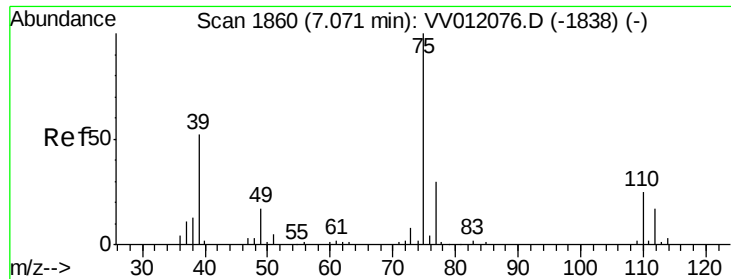
Ion Ratio Lower Upper

83 100

85 63.5 46.2 85.8

127 8.3 7.2 10.8

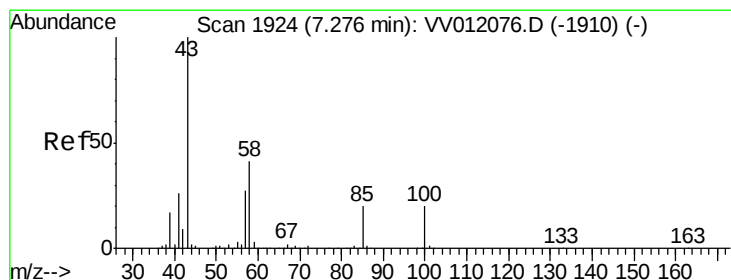
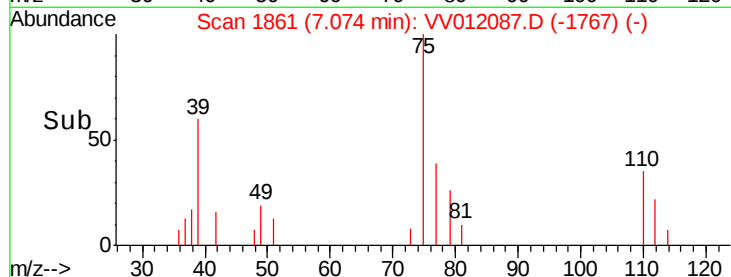
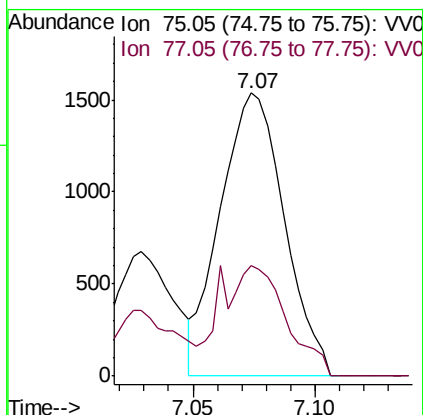
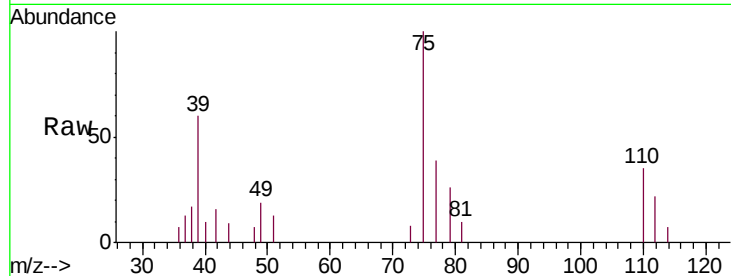




#39
 cis-1,3-Dichloropropene
 Concen: 0.261 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

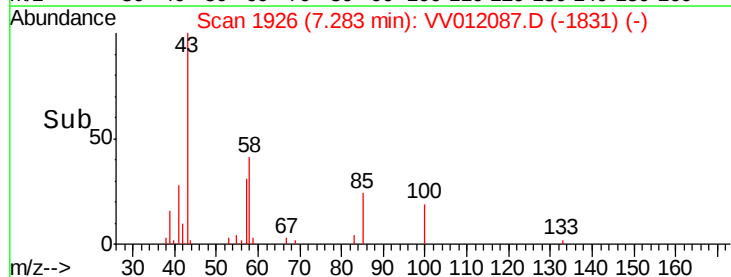
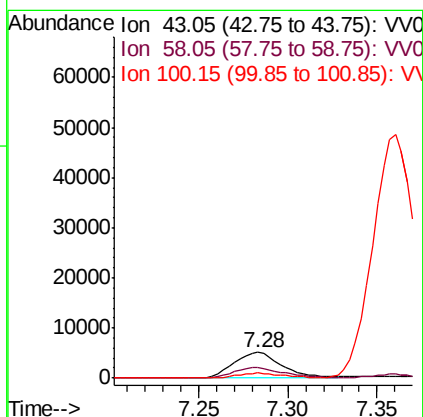
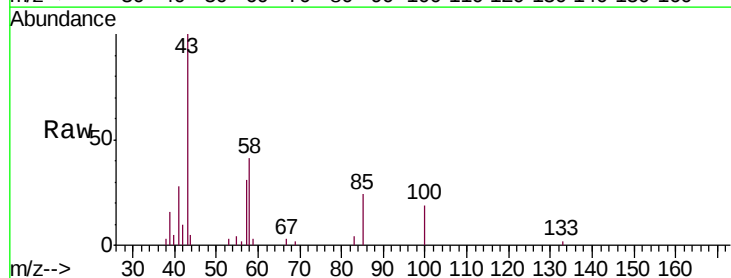
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

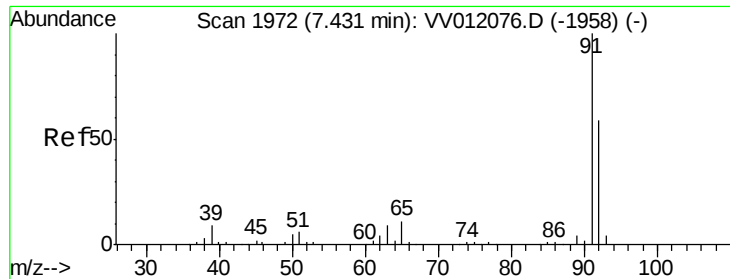
Tgt Ion: 75 Resp: 2806
 Ion Ratio Lower Upper
 75 100
 77 39.0 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 2.601 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.01 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Tgt Ion: 43 Resp: 9766
 Ion Ratio Lower Upper
 43 100
 58 42.2 31.8 47.6
 100 0.0 15.0 22.4#





#42

Toluene

Concen: 0.312 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampled :

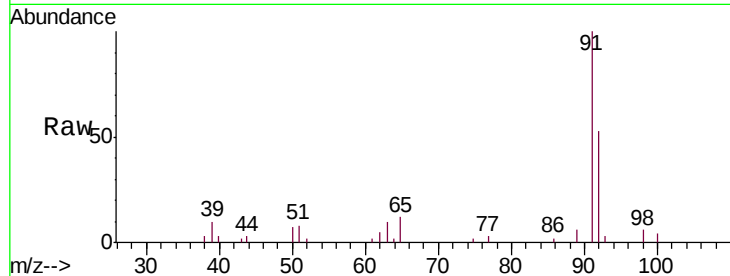
MDL04

Tgt Ion: 91 Resp: 10184

Ion Ratio Lower Upper

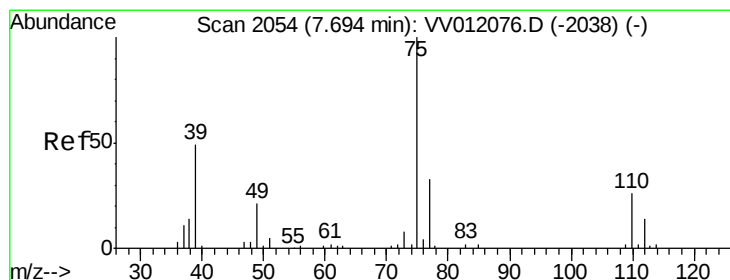
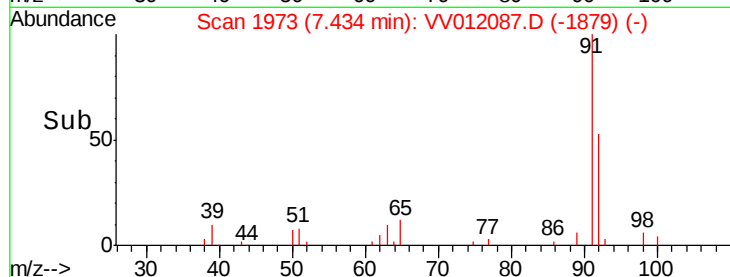
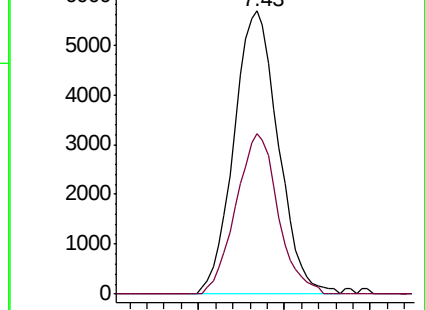
91 100

92 56.8 41.6 77.2



Abundance Ion 91.15 (90.85 to 91.85): VV012076.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV012076.D (-1958) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.308 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV012087.D

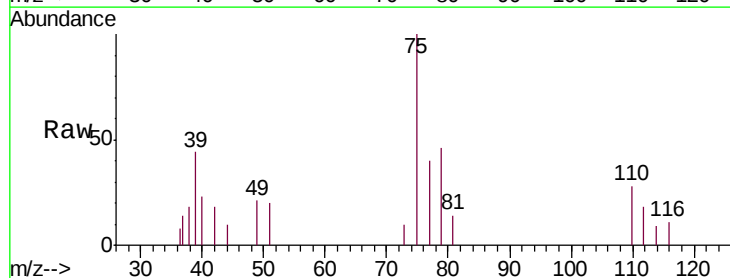
Acq: 30 Jul 2019 23:07

Tgt Ion: 75 Resp: 2668

Ion Ratio Lower Upper

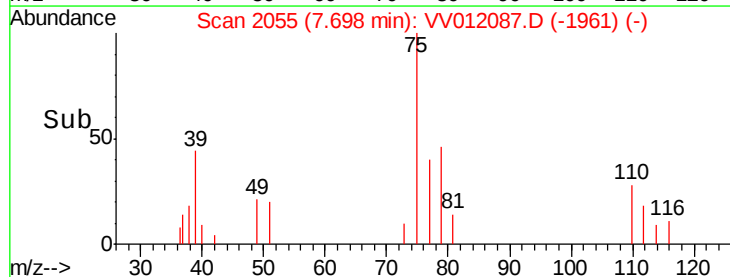
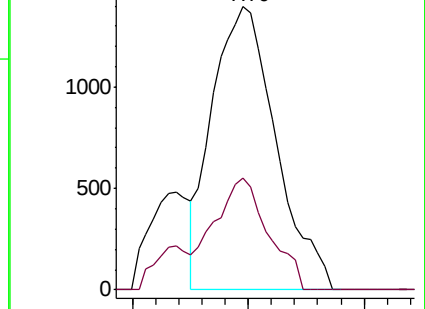
75 100

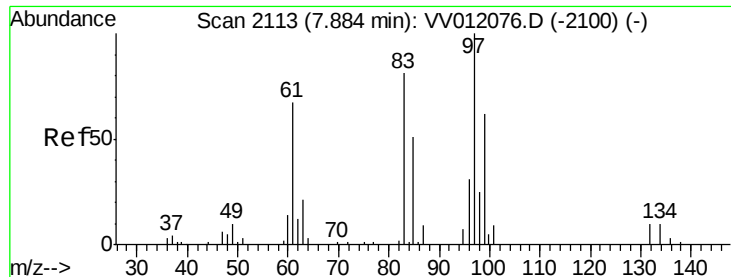
77 39.7 22.8 42.4



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

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

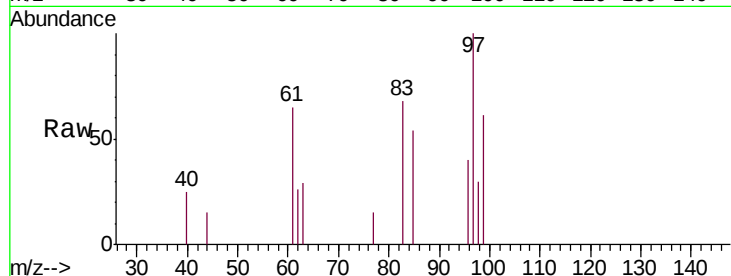




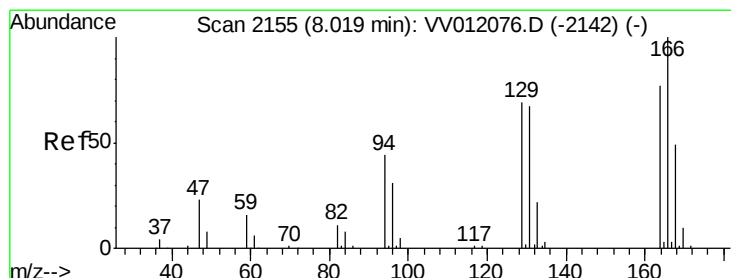
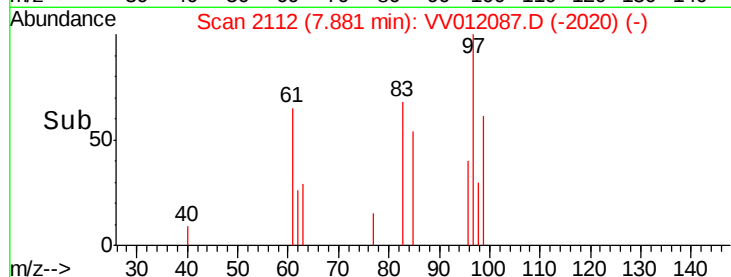
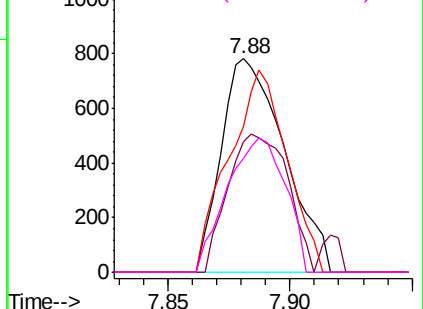
#45
 1,1,2-Trichloroethane
 Concen: 0.273 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL04

Tgt Ion:	97	Resp:	1406
Ion	Ratio	Lower	Upper
97	100		
99	61.3	43.3	80.3
83	68.3	56.6	105.0
85	53.6	35.8	66.6

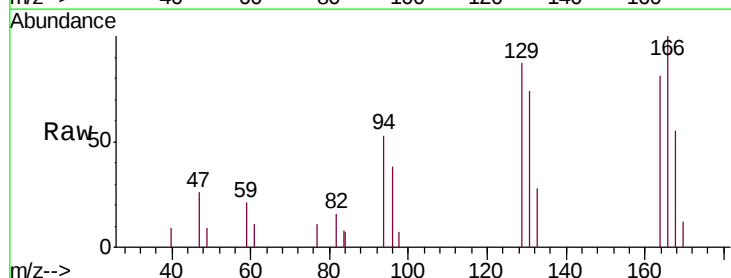


Abundance Ion 96.95 (96.65 to 97.65): VV012076.D (-2100) (-)
 Ion 99.05 (98.75 to 99.75): VV012076.D (-2100) (-)
 Ion 82.95 (82.65 to 83.65): VV012076.D (-2100) (-)
 Ion 85.00 (84.70 to 85.70): VV012076.D (-2100) (-)

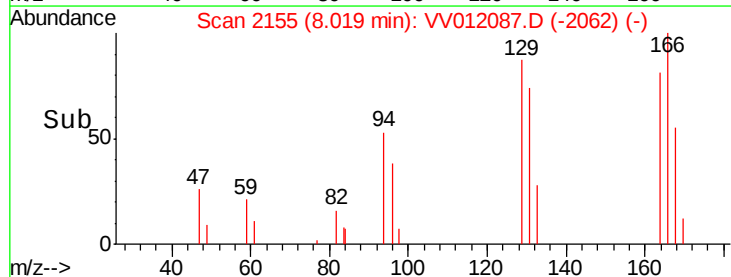
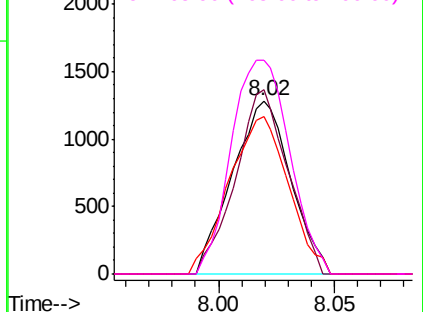


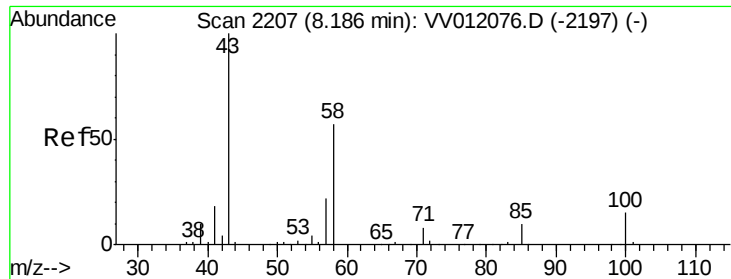
#47
 Tetrachloroethene
 Concen: 0.288 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Tgt Ion:	164	Resp:	2249
Ion	Ratio	Lower	Upper
164	100		
129	106.8	62.5	116.1
131	91.3	60.9	113.1
166	123.4	90.4	168.0



Abundance Ion 163.90 (163.60 to 164.60): VV012076.D (-2142) (-)
 Ion 128.95 (128.65 to 129.65): VV012076.D (-2142) (-)
 Ion 130.95 (130.65 to 131.65): VV012076.D (-2142) (-)
 Ion 165.90 (165.60 to 166.60): VV012076.D (-2142) (-)

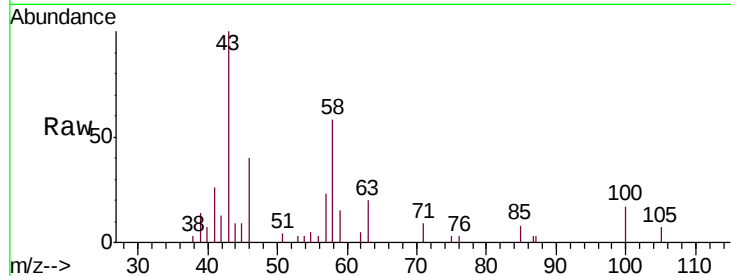




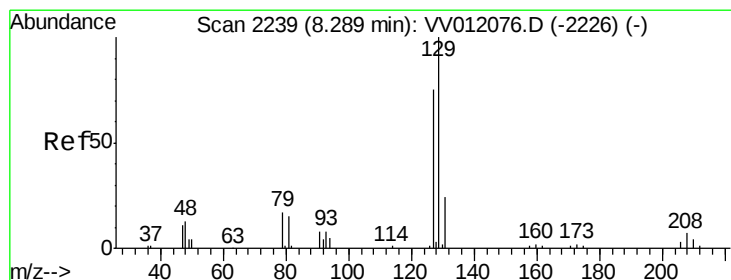
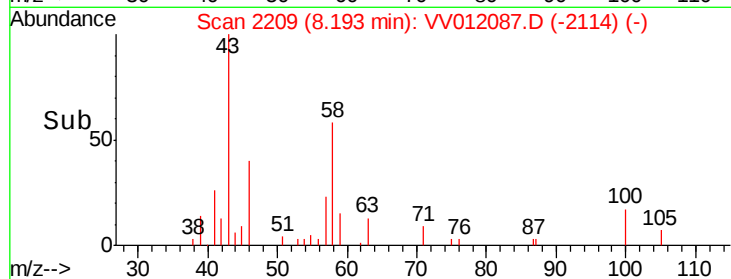
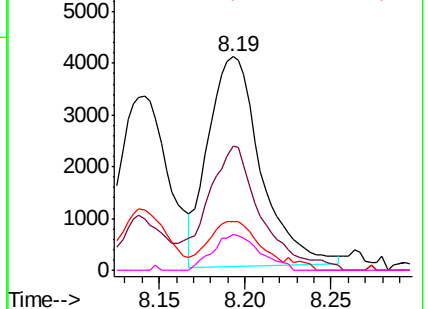
#48
2-Hexanone
Concen: 3.323 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tgt Ion:	43	Resp:	8679
Ion	Ratio	Lower	Upper
43	100		
58	60.3	45.7	68.5
57	24.4	17.0	25.4
100	15.2	12.6	18.8

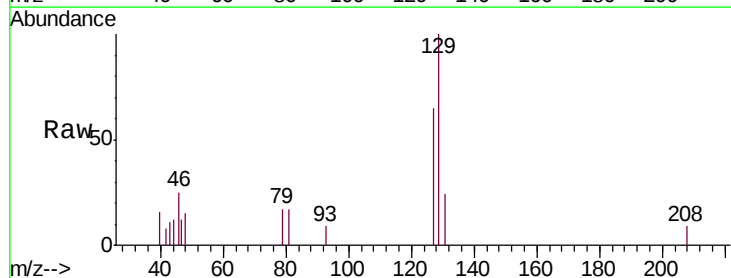


Abundance Ion 43.05 (42.75 to 43.75): VV012087.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV012087.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV012087.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV012087.D (-2197) (-)

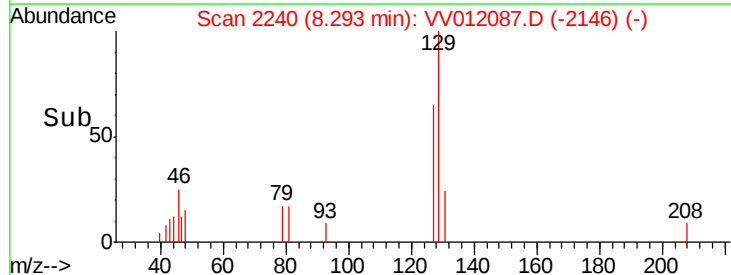
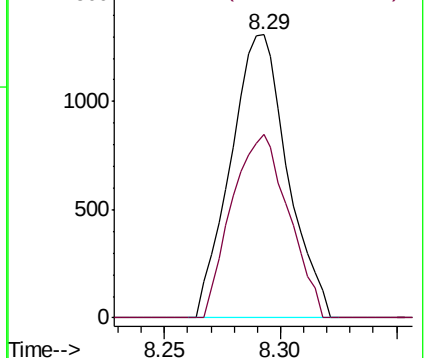


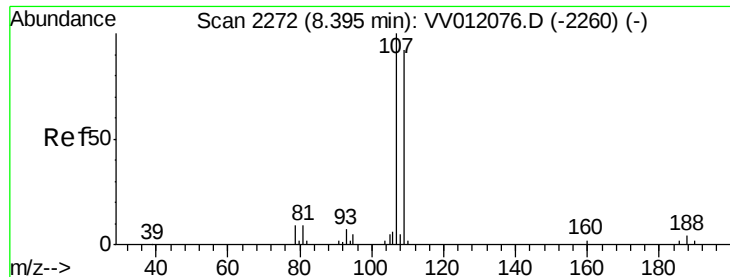
#49
Dibromochloromethane
Concen: 0.335 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Tgt Ion:	129	Resp:	2233
Ion	Ratio	Lower	Upper
129	100		
127	65.1	52.8	98.2



Abundance Ion 128.95 (128.65 to 129.65): VV012087.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV012087.D (-2146) (-)

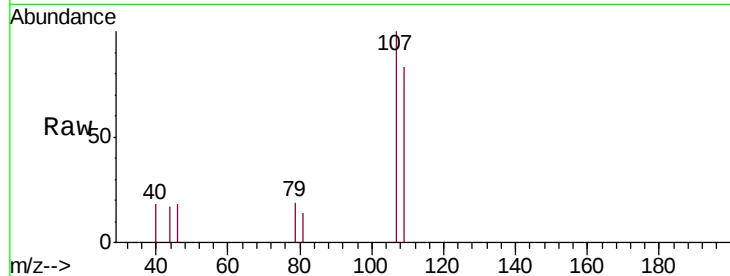




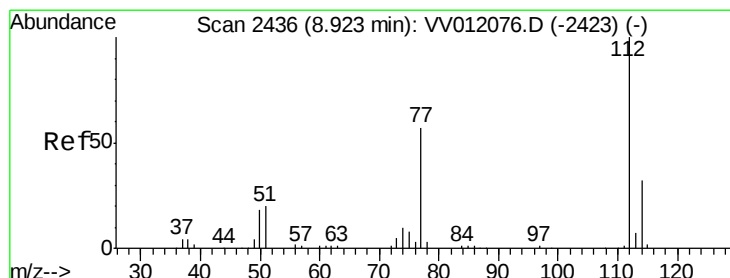
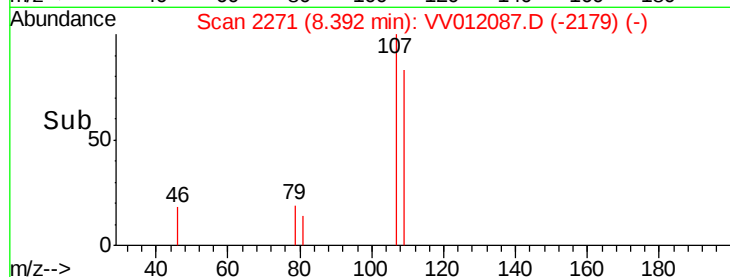
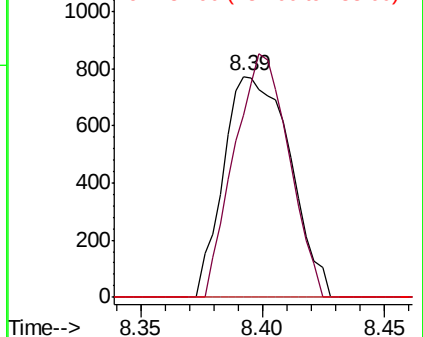
#50
1,2-Dibromoethane
Concen: 0.297 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tgt Ion:107 Resp: 1464
Ion Ratio Lower Upper
107 100
109 82.7 64.7 120.1
188 0.0 3.4 5.0#

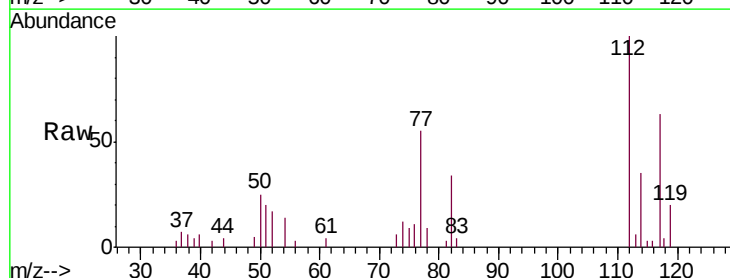


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

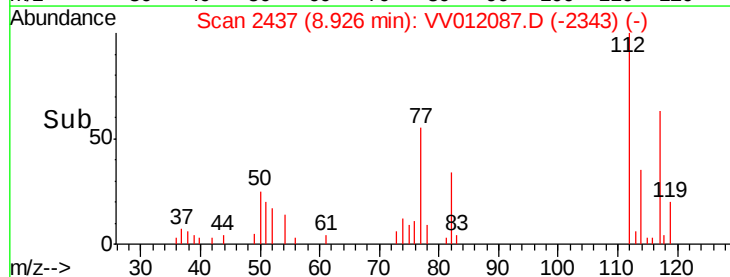
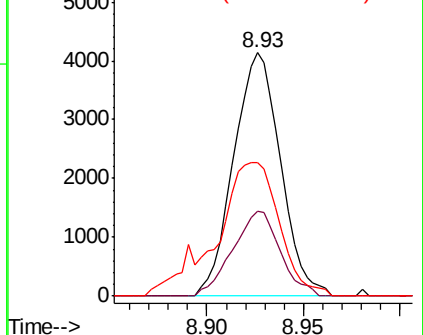


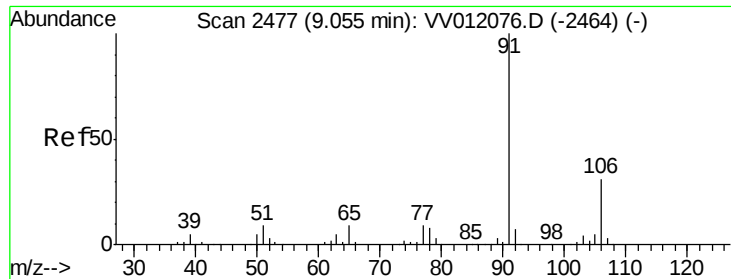
#51
Chlorobenzene
Concen: 0.315 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Tgt Ion:112 Resp: 6969
Ion Ratio Lower Upper
112 100
114 34.8 22.4 41.6
77 55.1 46.1 69.1



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.281 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampled :

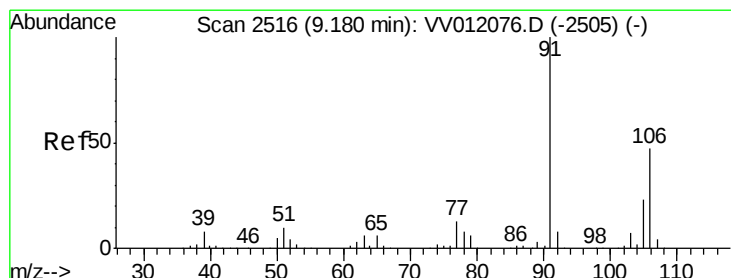
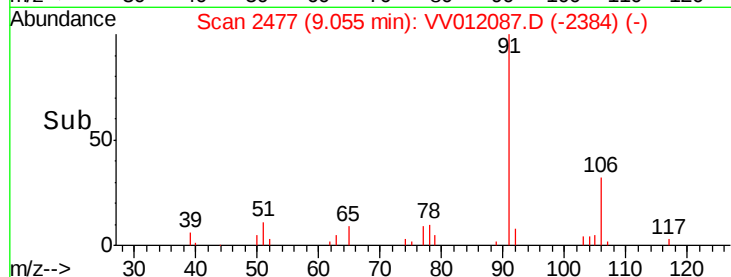
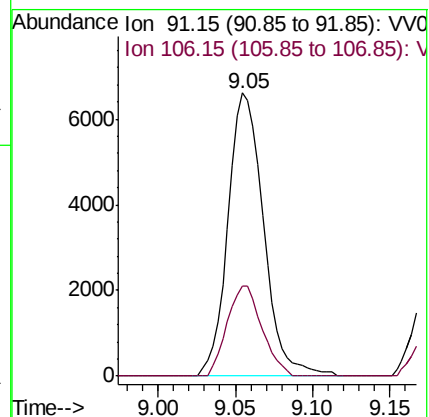
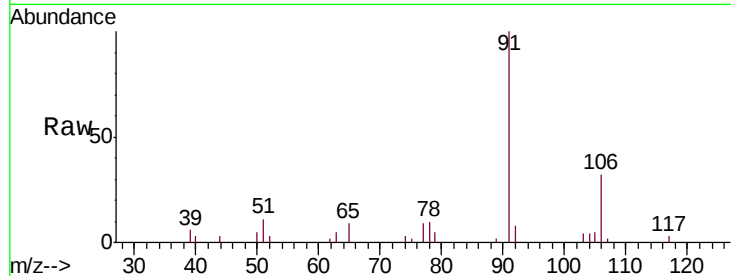
MDL04

Tgt Ion: 91 Resp: 10551

Ion Ratio Lower Upper

91 100

106 31.8 21.6 40.0



#53

m,p-xylene

Concen: 0.276 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012087.D

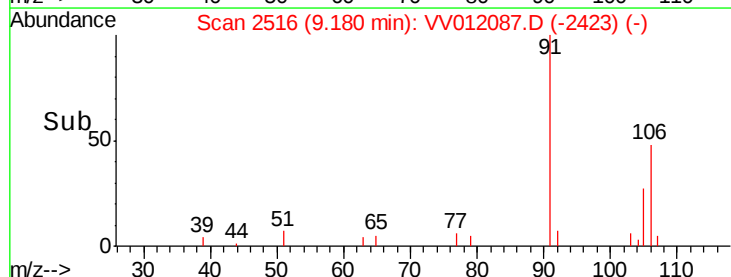
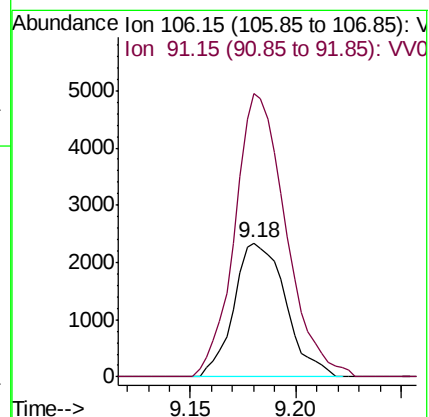
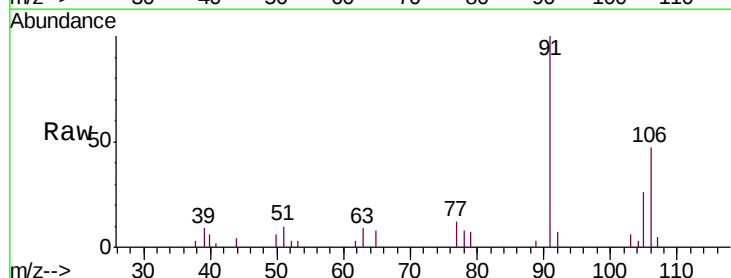
Acq: 30 Jul 2019 23:07

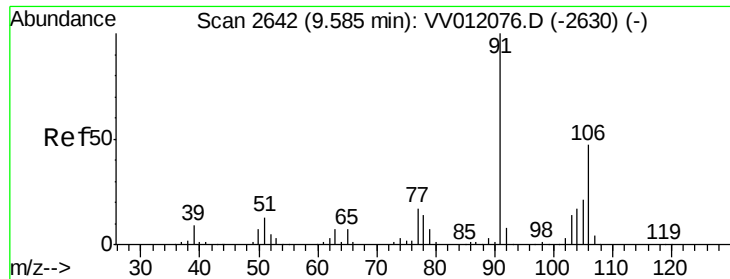
Tgt Ion: 106 Resp: 3975

Ion Ratio Lower Upper

106 100

91 211.9 148.7 276.3





#54

o-xylene

Concen: 0.260 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampleId :

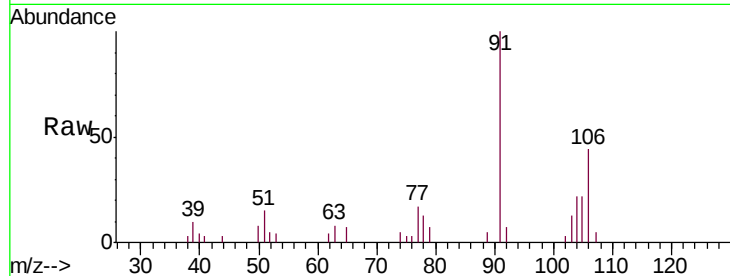
MDL04

Tgt Ion:106 Resp: 3586

Ion Ratio Lower Upper

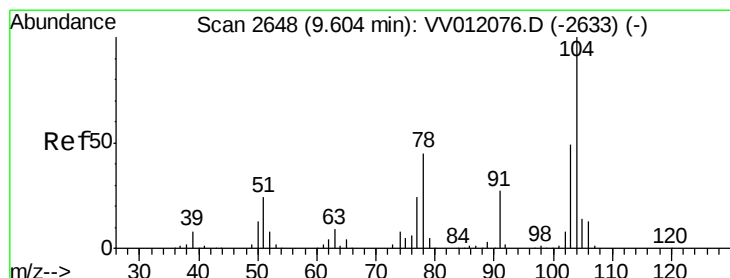
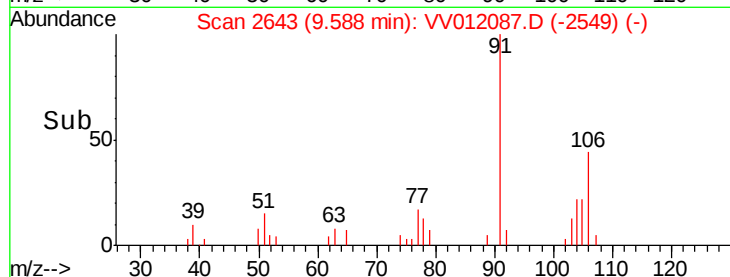
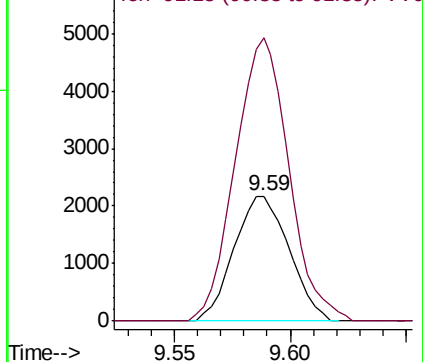
106 100

91 227.0 147.7 274.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.280 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012087.D

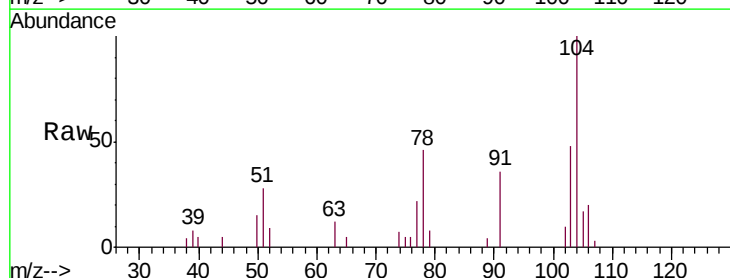
Acq: 30 Jul 2019 23:07

Tgt Ion:104 Resp: 6553

Ion Ratio Lower Upper

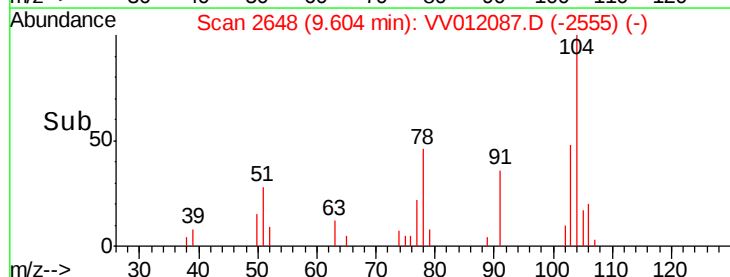
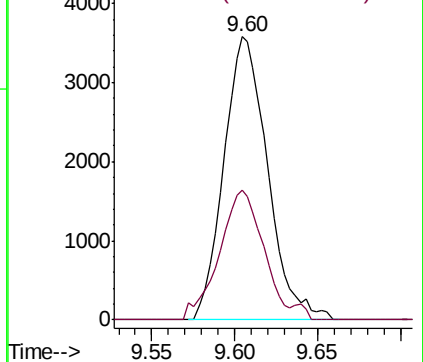
104 100

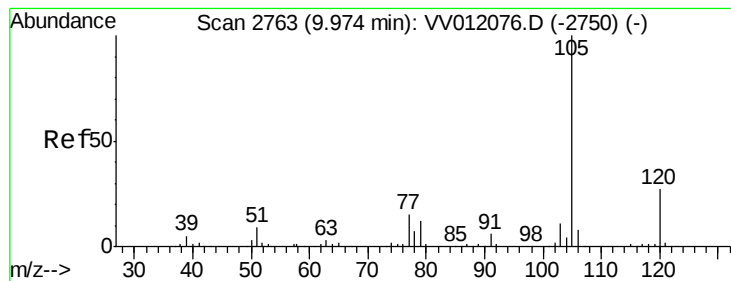
78 45.8 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.268 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampleId :

MDL04

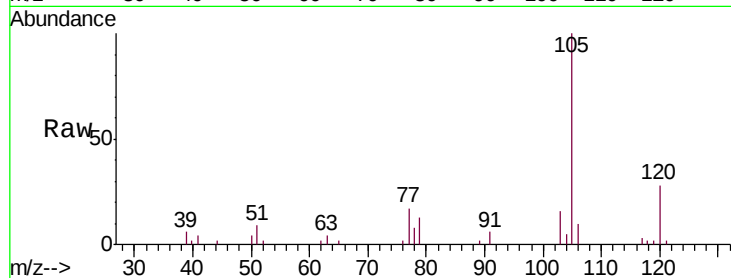
Tgt Ion: 105 Resp: 10266

Ion Ratio Lower Upper

105 100

120 28.0 21.8 32.8

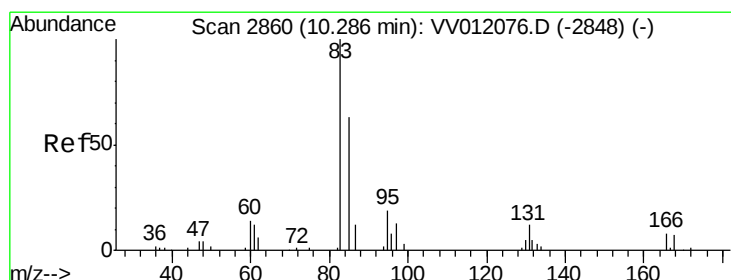
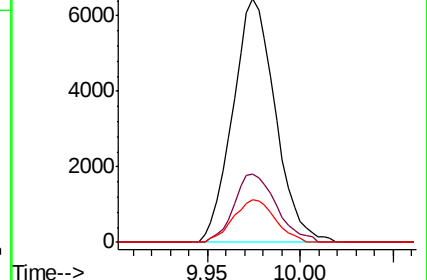
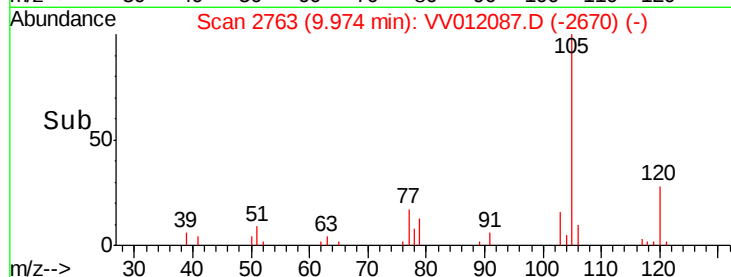
77 17.2 12.7 19.1



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: 0.320 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

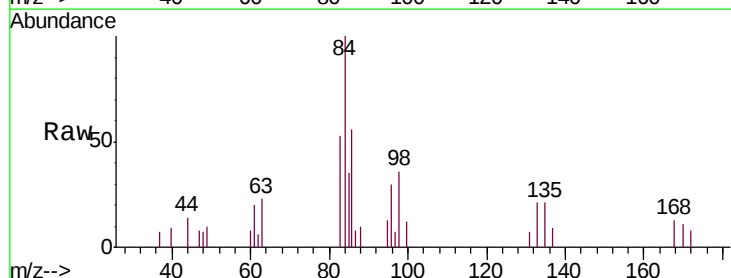
Tgt Ion: 83 Resp: 1819

Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.7

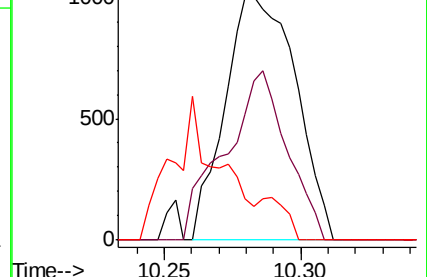
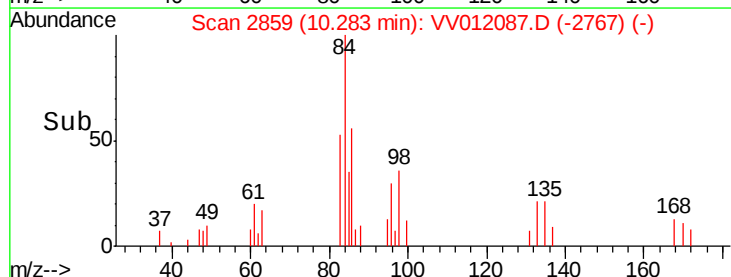
131 14.1 10.3 15.5

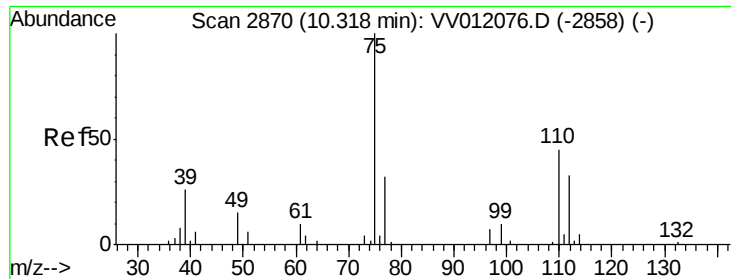


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.264 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.01 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampled :

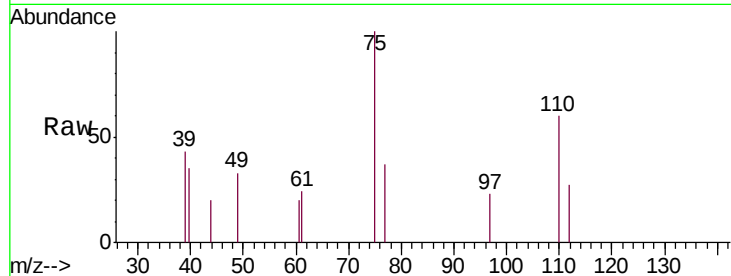
MDL04

Tgt Ion: 75 Resp: 1132

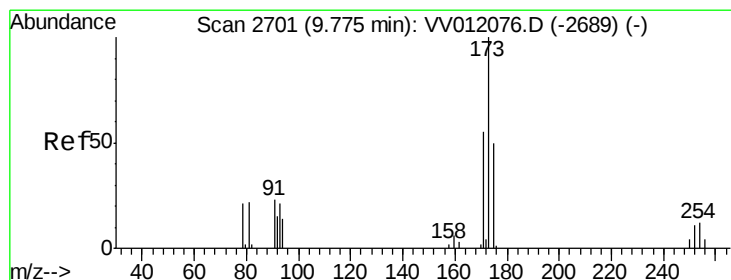
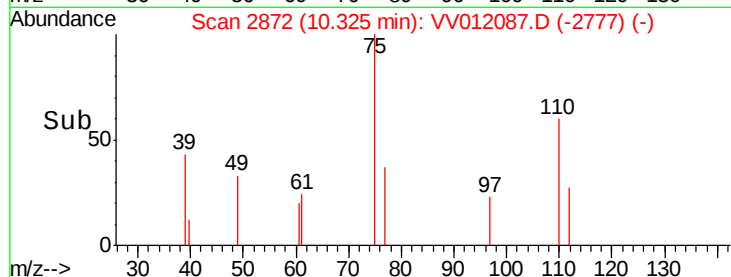
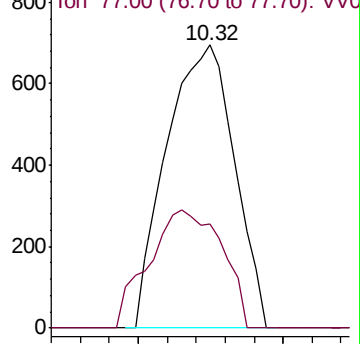
Ion Ratio Lower Upper

75 100

77 44.8 26.9 40.3#



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



#61

Bromoform

Concen: 0.321 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

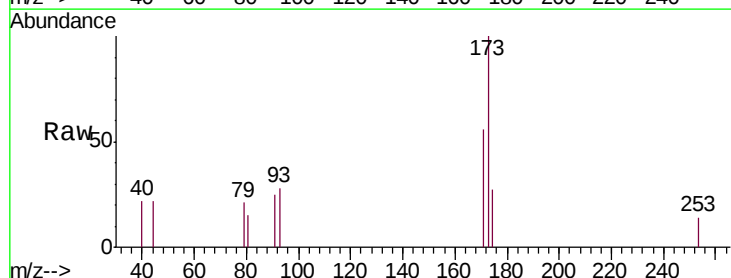
Tgt Ion: 173 Resp: 1095

Ion Ratio Lower Upper

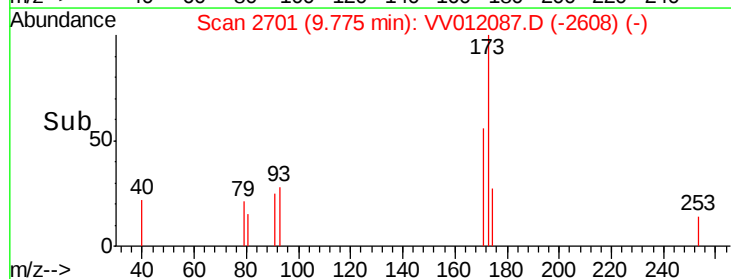
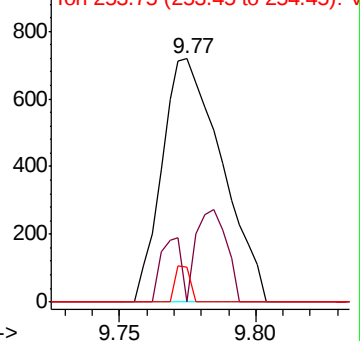
173 100

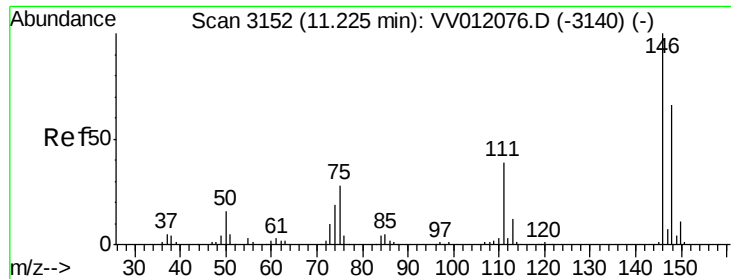
175 9.1 39.4 59.2#

254 3.7 8.7 13.1#



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

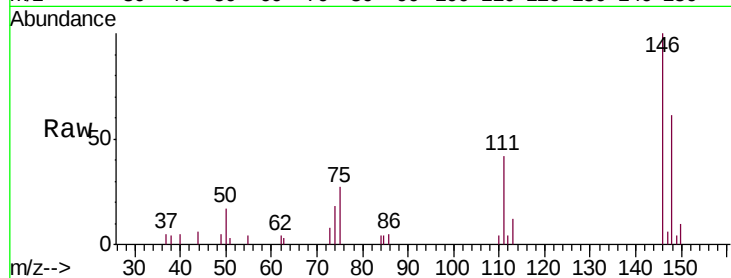




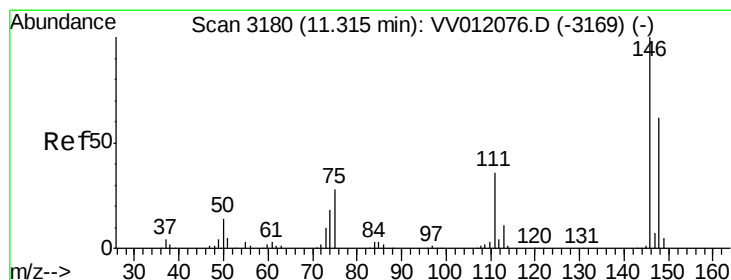
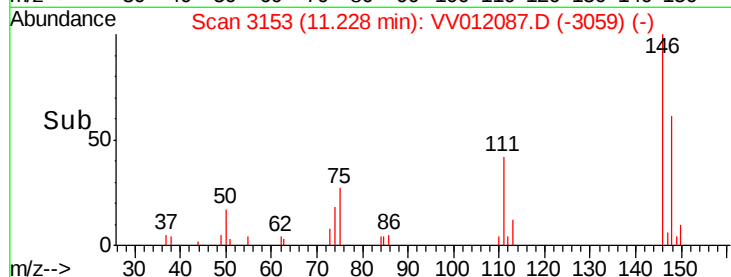
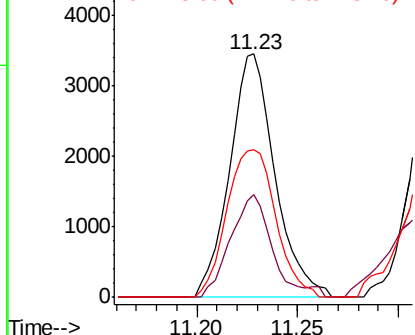
#62
 1,3-Dichlorobenzene
 Concen: 0.307 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion:146 Resp: 5429
 Ion Ratio Lower Upper
 146 100
 111 42.4 27.2 50.6
 148 60.6 45.9 85.3

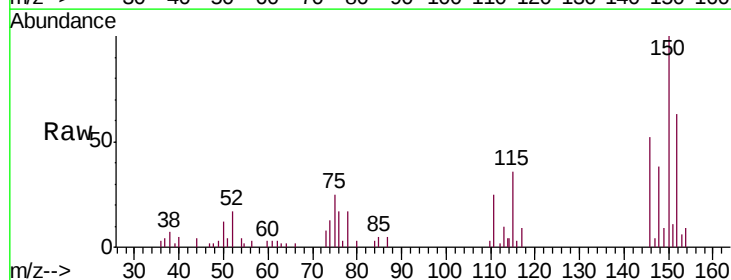


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

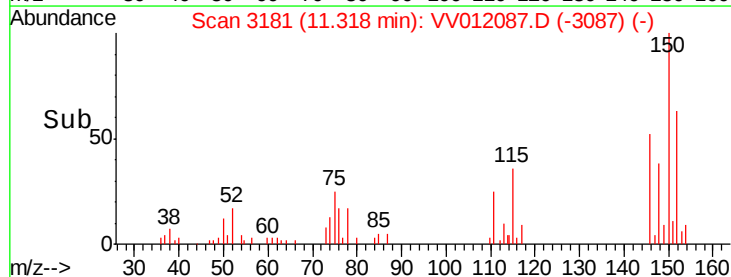
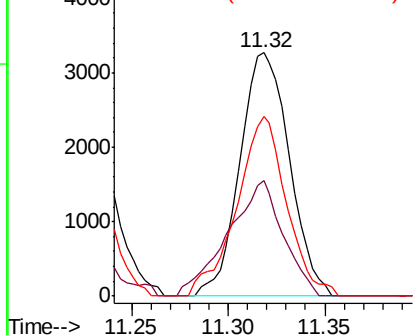


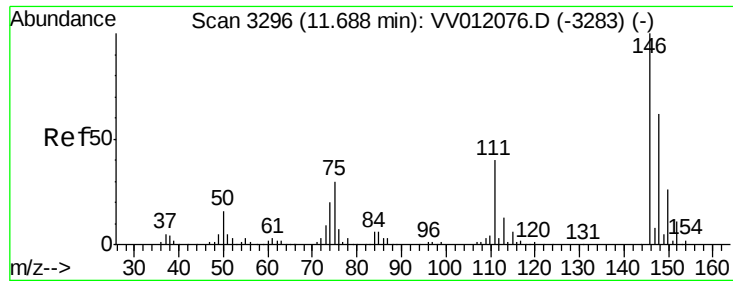
#63
 1,4-Dichlorobenzene
 Concen: 0.322 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Tgt Ion:146 Resp: 5824
 Ion Ratio Lower Upper
 146 100
 111 47.5 25.4 47.2#
 148 73.6 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

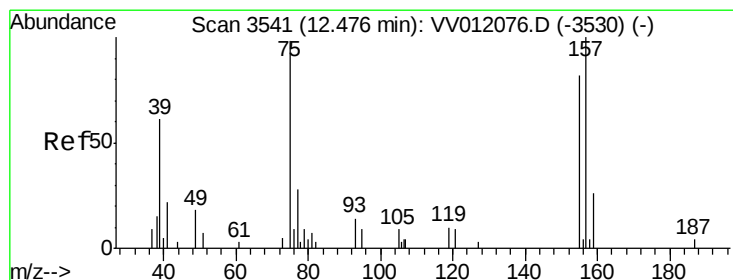
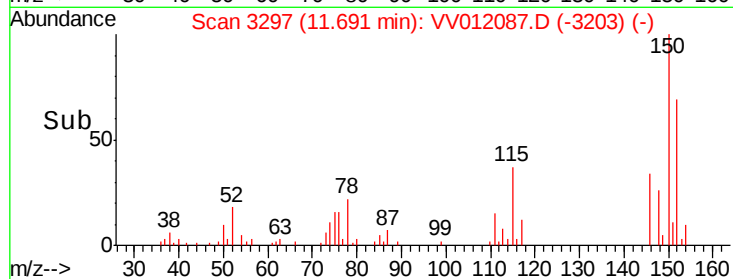
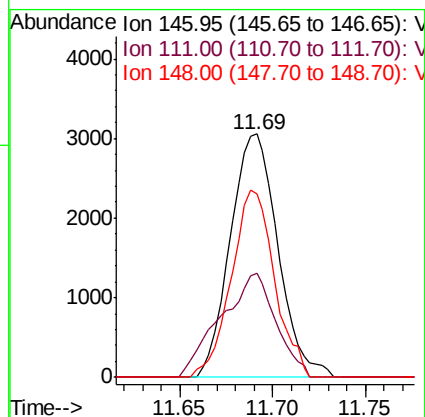
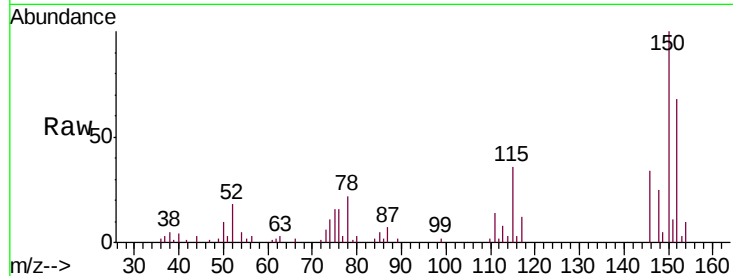




#65
 1,2-Dichlorobenzene
 Concen: 0.340 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

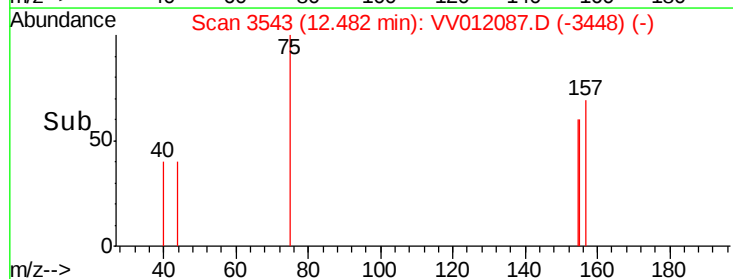
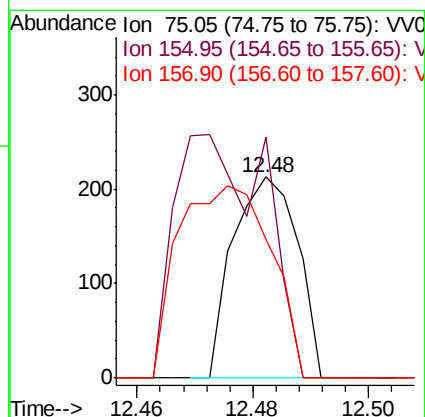
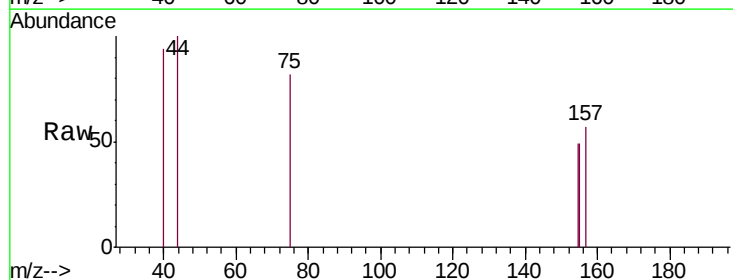
Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

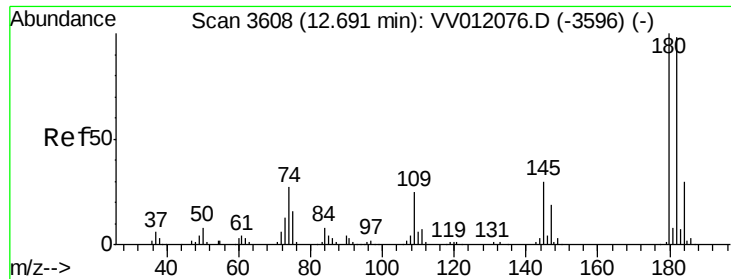
Tgt Ion: 146 Resp: 5444
 Ion Ratio Lower Upper
 146 100
 111 42.6 32.3 48.5
 148 75.1 49.9 74.9#



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.191 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.01 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Tgt Ion: 75 Resp: 164
 Ion Ratio Lower Upper
 75 100
 155 119.7 66.9 100.3#
 157 69.0 81.8 122.6#

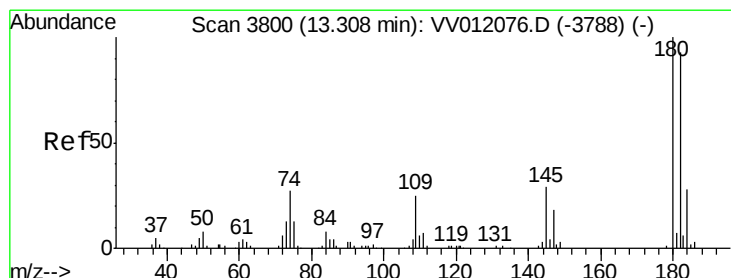
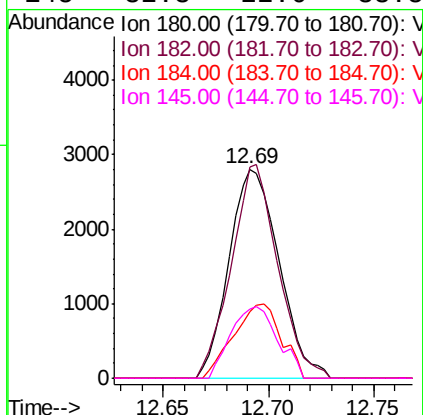
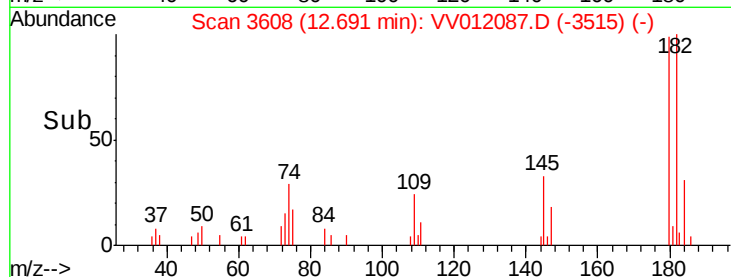
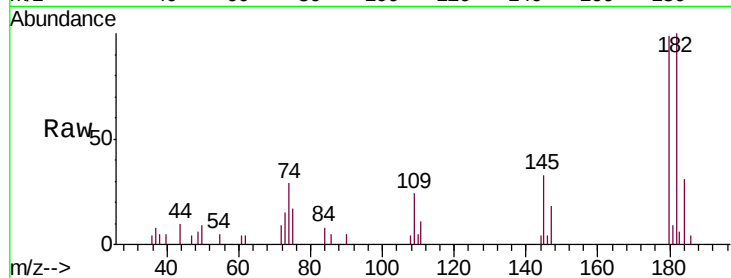




#67
 1,3,5-Trichlorobenzene
 Concen: 0.318 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

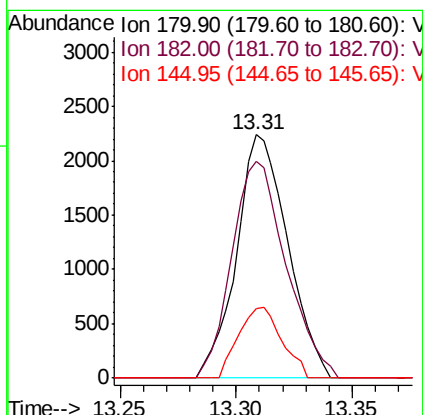
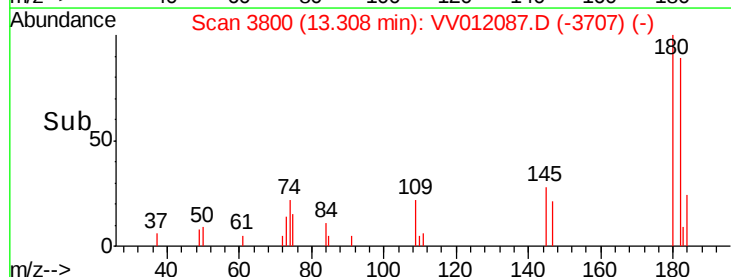
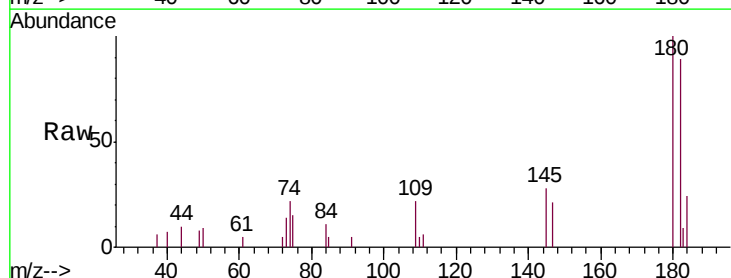
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

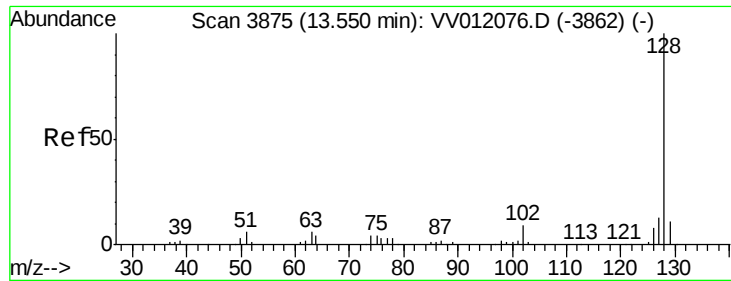
Tgt Ion:180 Resp: 4613
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.6 115.0
 184 34.1 23.8 35.8
 145 32.3 22.6 33.8



#68
 1,2,4-trichlorobenzene
 Concen: 0.293 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Tgt Ion:180 Resp: 3430
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.4 113.0
 145 24.5 23.5 35.3





#69

Naphthalene

Concen: 0.292 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampleId :

MDL04

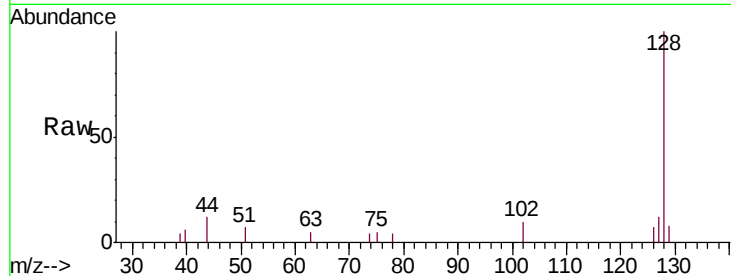
Tgt Ion:128 Resp: 4592

Ion Ratio Lower Upper

128 100

129 7.0 8.4 12.6#

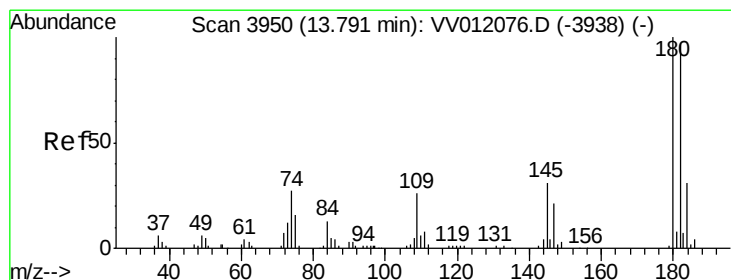
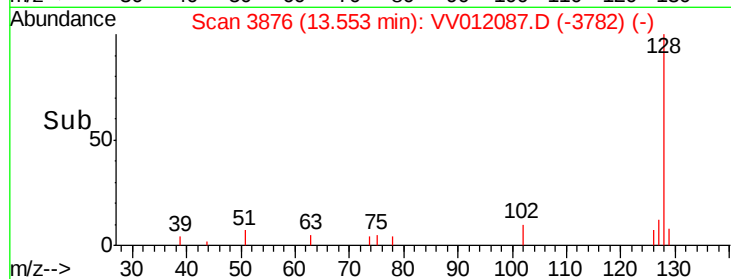
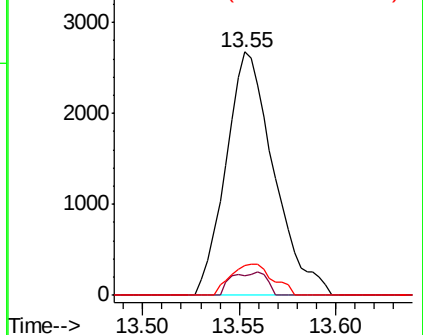
127 11.4 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.282 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

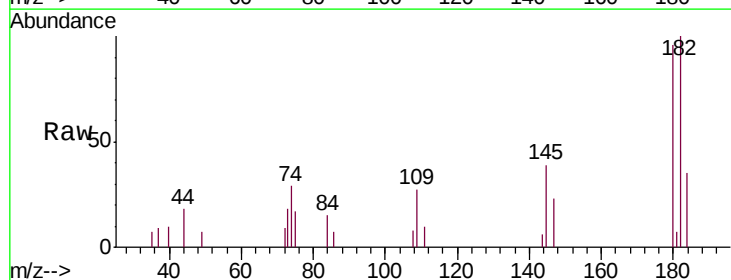
Tgt Ion:180 Resp: 2937

Ion Ratio Lower Upper

180 100

182 103.5 76.5 114.7

145 34.6 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

