

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080719\
 Data File : VV012128.D
 Acq On : 07 Aug 2019 15:22
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00g/5.0mL/100uL/5mL/MSVOA_V/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Quant Time: Aug 08 01:16:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 08 01:11:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	255402	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	229482	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	109720	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	59829	42.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.70%
7) Chloroethane-d5	1.58	69	43844	44.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.48%
11) 1,1-Dichloroethene-d2	2.13	63	84881	35.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.14%
21) 2-Butanone-d5	3.92	46	115681	113.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.72%
24) Chloroform-d	4.40	84	172692	49.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.08	65	118767	52.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.56%
32) Benzene-d6	5.10	84	344202	52.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.24%
36) 1,2-Dichloropropane-d6	6.12	67	101545	53.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.16%
41) Toluene-d8	7.36	98	326093	51.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.42%
43) trans-1,3-Dichloropropene-	7.66	79	55946	51.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.88%
47) 2-Hexanone-d5	8.13	63	93107	117.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.20%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	146762	54.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.86%
66) 1,2-Dichlorobenzene-d4	11.67	152	139823	54.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.38%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4128	2.288 ug/L	99
3) Chloromethane	1.25	50	3676	2.870 ug/L	98
5) Vinyl chloride	1.32	62	2857	2.311 ug/L #	55
6) Bromomethane	1.53	94	1829	2.548 ug/L	89
8) Chloroethane	1.60	64	1494	2.307 ug/L	86
9) Trichlorofluoromethane	1.77	101	5112	2.543 ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3035	3.080 ug/L #	83
12) 1,1-Dichloroethene	2.14	96	2741	2.954 ug/L #	1
13) Acetone	2.19	43	2712	3.910 ug/L	99
14) Carbon disulfide	2.32	76	6840	2.181 ug/L #	93
15) Methyl Acetate	2.46	43	3073	2.532 ug/L	94
16) Methylene chloride	2.54	84	3762	2.672 ug/L	89
17) trans-1,2-Dichloroethene	2.79	96	3133	2.391 ug/L	94
18) Methyl tert-butyl Ether	2.80	73	10533	2.339 ug/L	97
19) 1,1-Dichloroethane	3.23	63	5745	2.404 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	3970	2.572 ug/L	99
23) Bromochloromethane	4.30	128	1302	1.534 ug/L #	83

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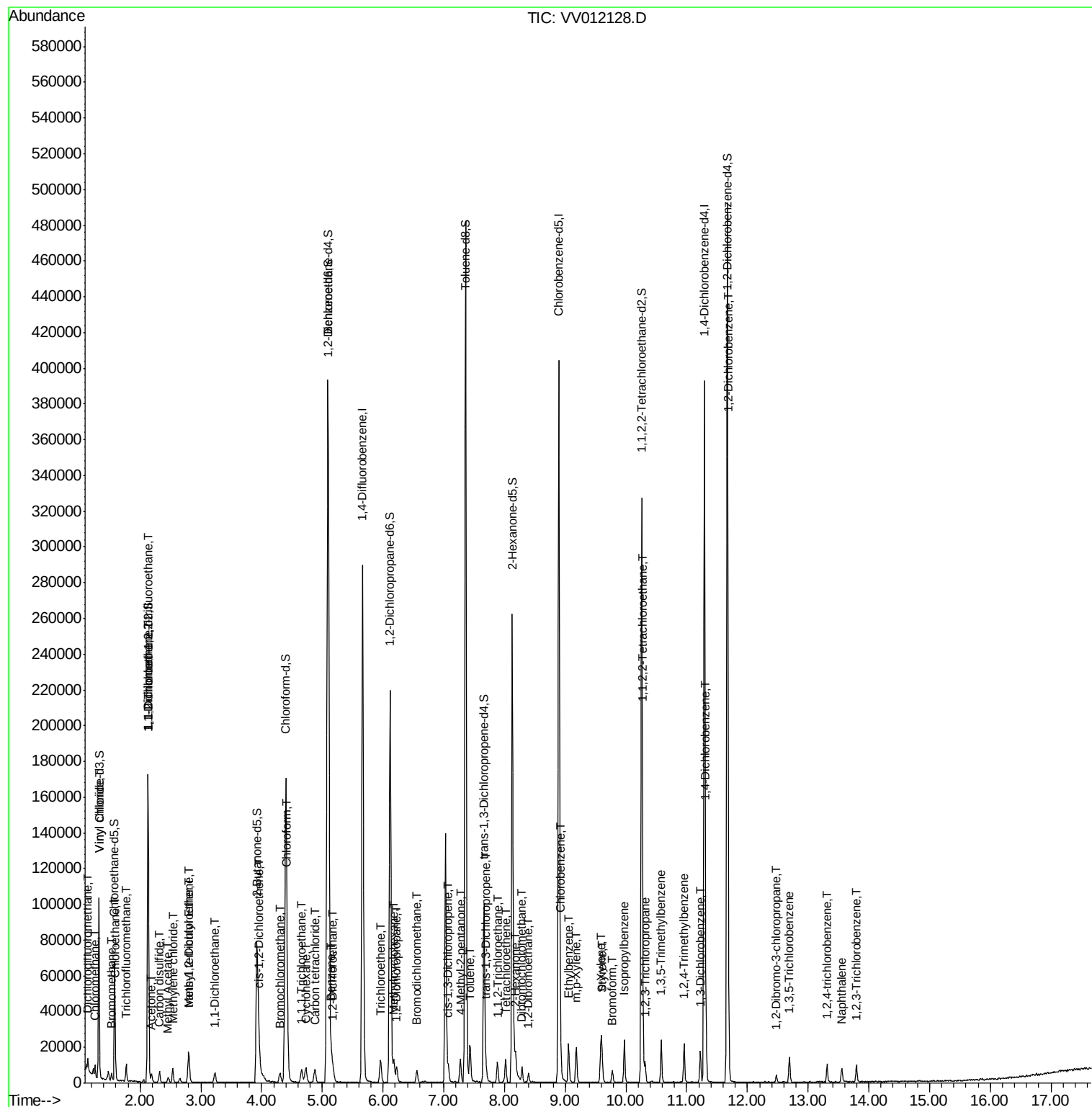
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.43	83	10772	3.977	ug/L	96
27) 1,2-Dichloroethane	5.18	62	5397	2.564	ug/L #	92
29) Cyclohexane	4.73	56	4615	2.405	ug/L	89
30) 1,1,1-Trichloroethane	4.66	97	5889	2.416	ug/L	96
31) Carbon tetrachloride	4.88	117	5494	2.429	ug/L	94
33) Benzene	5.15	78	13365	2.530	ug/L	100
34) Trichloroethene	5.96	95	1736	1.182	ug/L	96
35) Methylcyclohexane	6.18	83	5108	2.337	ug/L	99
37) 1,2-Dichloropropane	6.22	63	3232	2.508	ug/L	98
38) Bromodichloromethane	6.56	83	5065	2.499	ug/L	87
39) cis-1,3-Dichloropropene	7.07	75	5524	2.432	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	8424	5.080	ug/L	96
42) Toluene	7.43	91	14939	2.545	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	5023	2.342	ug/L	84
45) 1,1,2-Trichloroethane	7.88	97	3613	2.601	ug/L	93
46) Tetrachloroethene	8.02	164	3234	2.364	ug/L	96
48) 2-Hexanone	8.18	43	7178	5.741	ug/L	97
49) Dibromochloromethane	8.29	129	4606	2.556	ug/L	98
50) 1,2-Dibromoethane	8.40	107	3686	2.400	ug/L #	98
51) Chlorobenzene	8.93	112	9596	2.425	ug/L	97
52) Ethylbenzene	9.05	91	15316	2.326	ug/L	96
53) m,p-Xylene	9.18	106	6116	2.407	ug/L	93
54) o-Xylene	9.59	106	5524	2.191	ug/L	96
55) Styrene	9.61	104	9354	2.202	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.28	83	5561	2.604	ug/L #	74
59) Bromoform	9.77	173	3549	2.758	ug/L #	94
60) Isopropylbenzene	9.97	105	15429	2.569	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	4470	3.000	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	12465	2.401	ug/L	98
63) 1,2,4-Trimethylbenzene	10.96	105	12833	2.504	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	7897	2.606	ug/L	98
65) 1,4-Dichlorobenzene	11.32	146	7946	2.594	ug/L	89
67) 1,2-Dichlorobenzene	11.69	146	8234	2.663	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.48	75	1162	2.366	ug/L	93
69) 1,3,5-Trichlorobenzene	12.69	180	5208	2.120	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	3452	1.621	ug/L	95
71) Naphthalene	13.56	128	7138	1.322	ug/L	97
72) 1,2,3-Trichlorobenzene	13.79	180	3518	1.641	ug/L	97

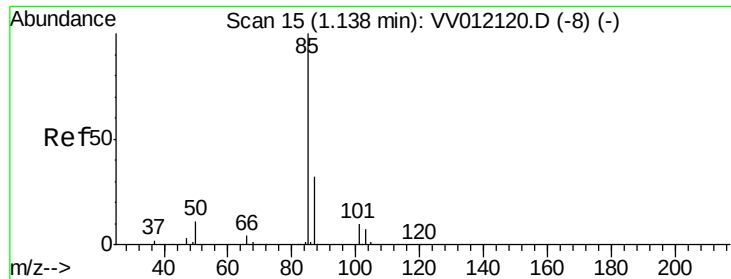
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.288 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

Instrument :

MSVOA_V

ClientSampleId :

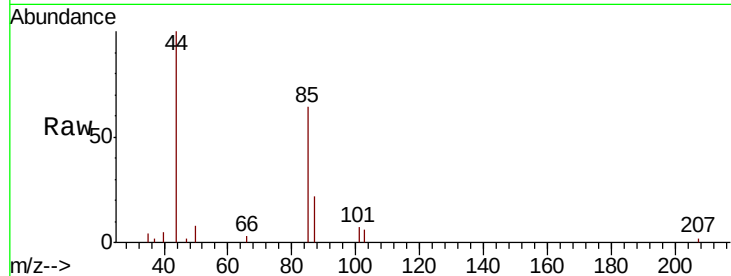
MDL05

Tgt Ion: 85 Resp: 4128

Ion Ratio Lower Upper

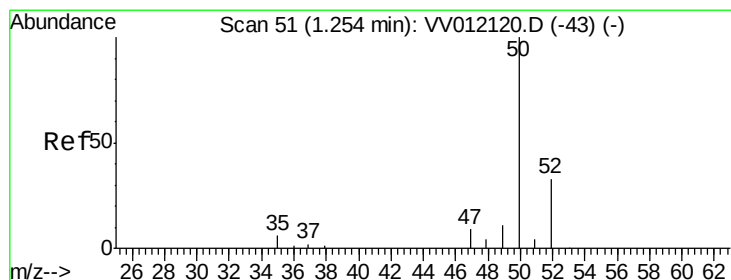
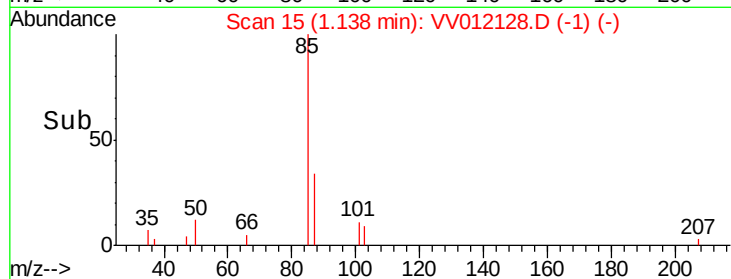
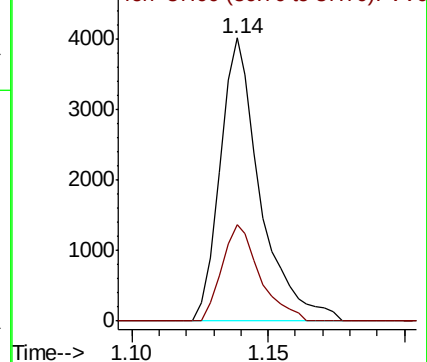
85 100

87 32.2 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.870 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV012128.D

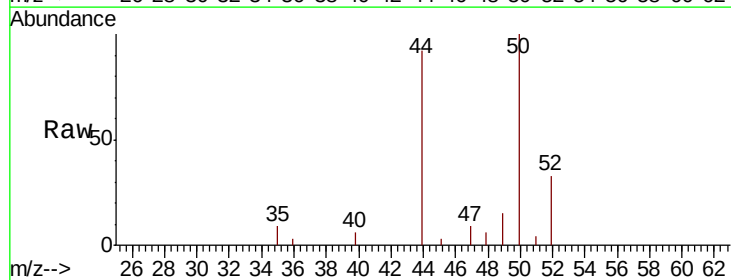
Acq: 07 Aug 2019 15:22

Tgt Ion: 50 Resp: 3676

Ion Ratio Lower Upper

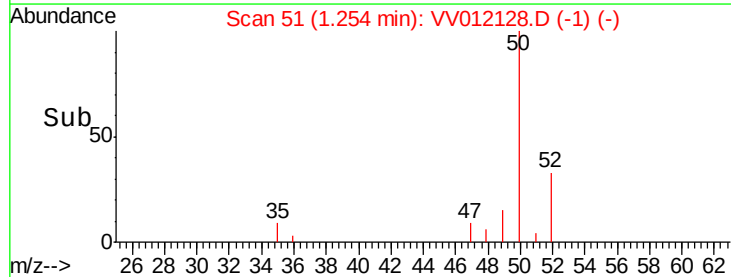
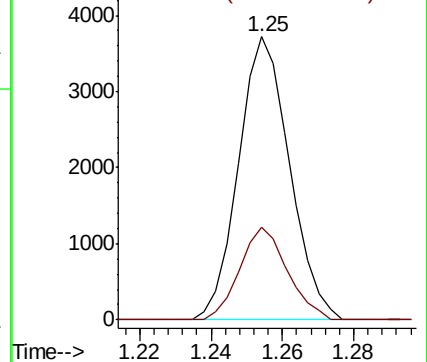
50 100

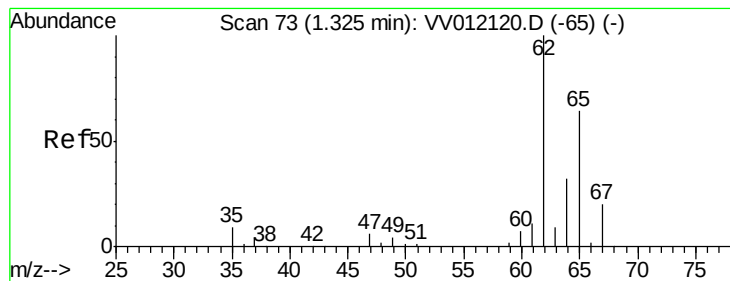
52 32.9 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.311 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

Instrument :

MSVOA_V

ClientSampled :

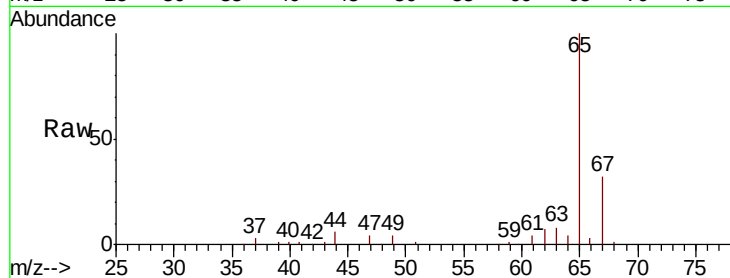
MDL05

Tgt Ion: 62 Resp: 2857

Ion Ratio Lower Upper

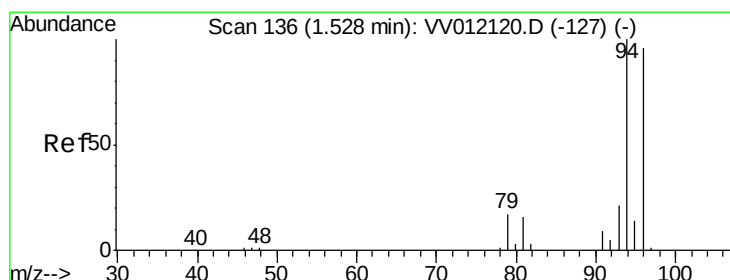
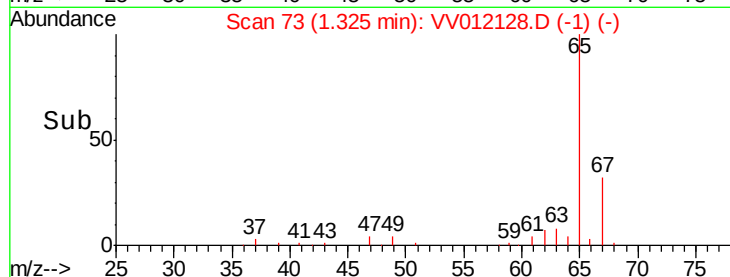
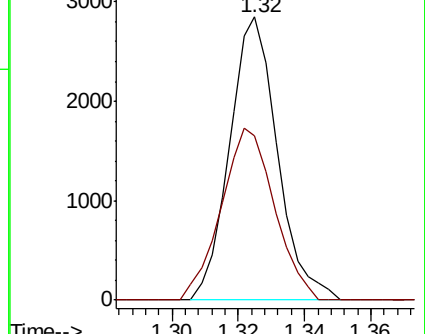
62 100

64 58.3 23.0 42.8#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.548 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV012128.D

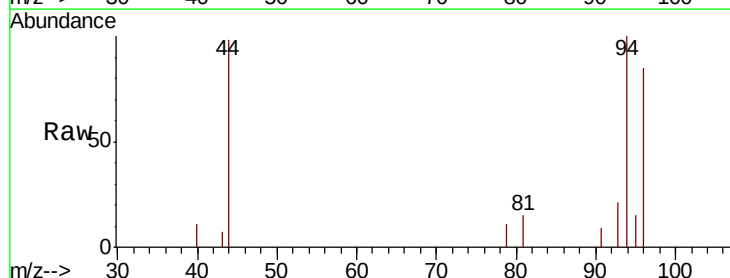
Acq: 07 Aug 2019 15:22

Tgt Ion: 94 Resp: 1829

Ion Ratio Lower Upper

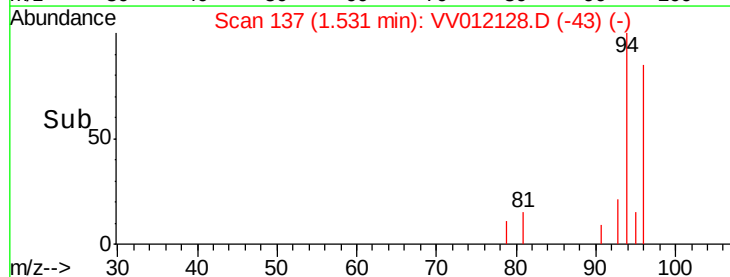
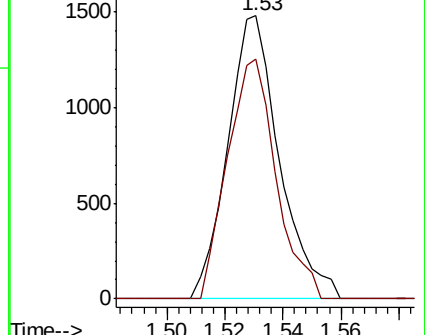
94 100

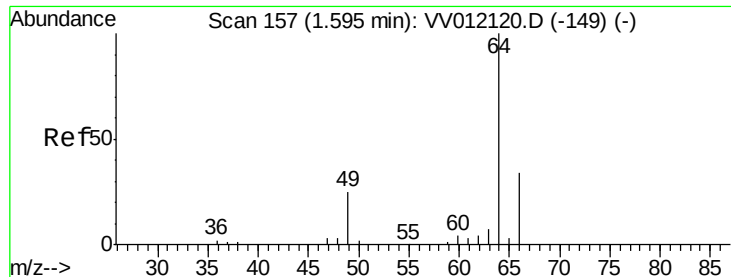
96 84.9 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

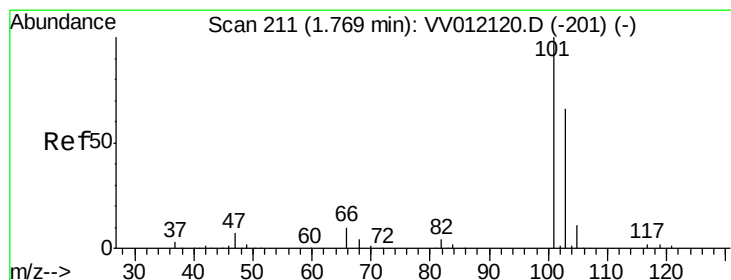
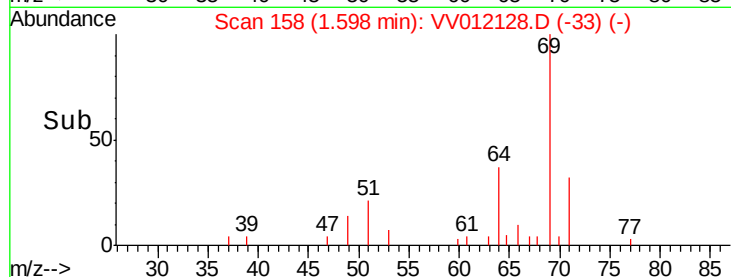
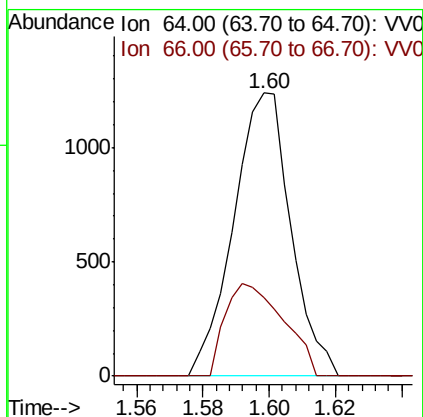
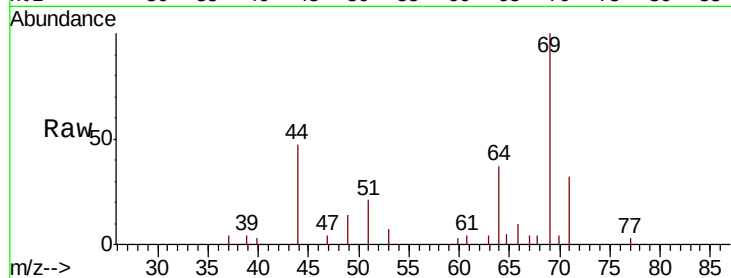




#8
Chloroethane
Concen: 2.307 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV012128.D
Acq: 07 Aug 2019 15:22

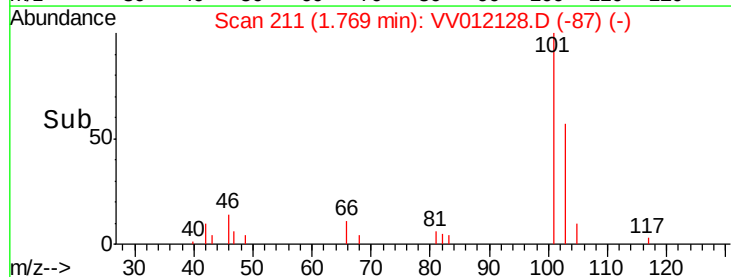
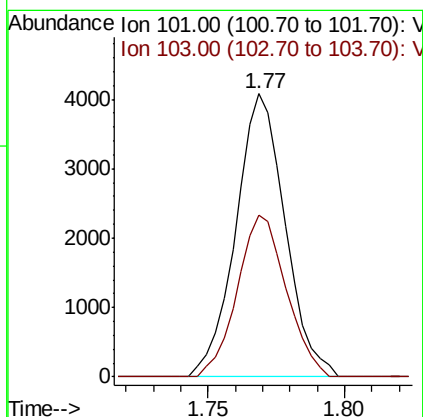
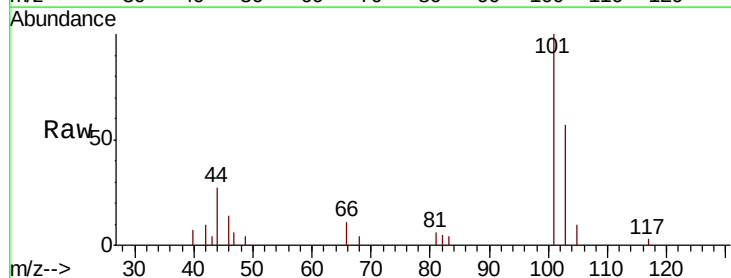
Instrument :
MSVOA_V
ClientSampled :
MDL05

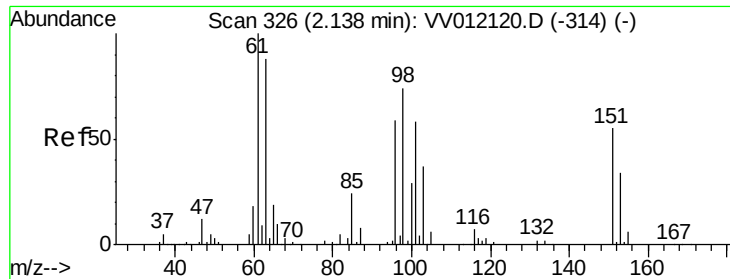
Tgt Ion: 64 Resp: 1494
Ion Ratio Lower Upper
64 100
66 24.6 22.6 42.0



#9
Trichlorofluoromethane
Concen: 2.543 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV012128.D
Acq: 07 Aug 2019 15:22

Tgt Ion: 101 Resp: 5112
Ion Ratio Lower Upper
101 100
103 56.7 52.5 78.7





#10

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

Concen: 3.080 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

Instrument :

MSVOA_V

ClientSampleId :

MDL05

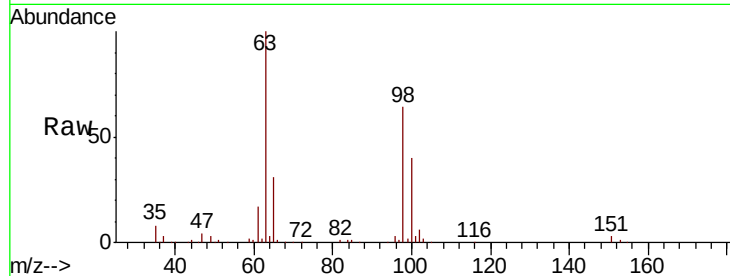
Tgt Ion: 101 Resp: 3035

Ion Ratio Lower Upper

101 100

85 31.8 34.4 51.6#

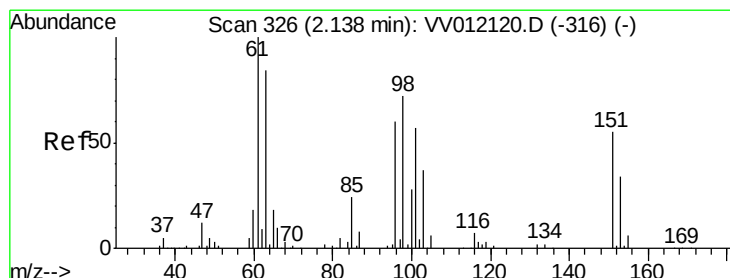
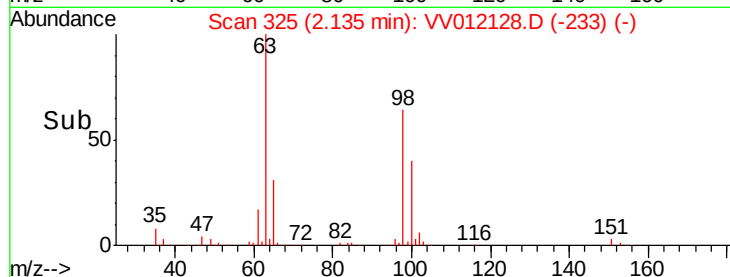
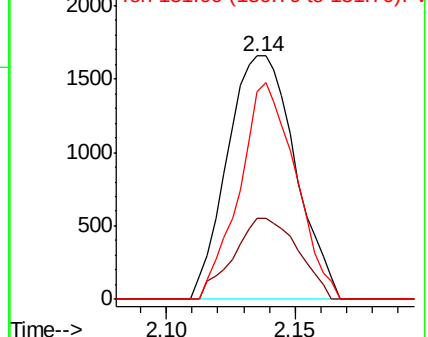
151 73.9 72.2 108.2



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: 2.954 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

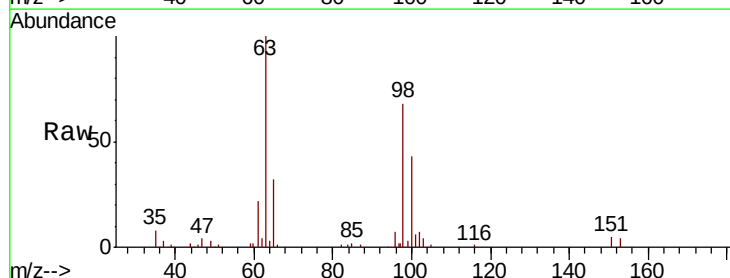
Tgt Ion: 96 Resp: 2741

Ion Ratio Lower Upper

96 100

61 303.4 120.0 223.0#

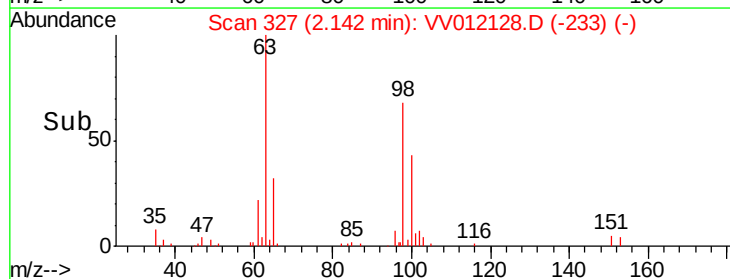
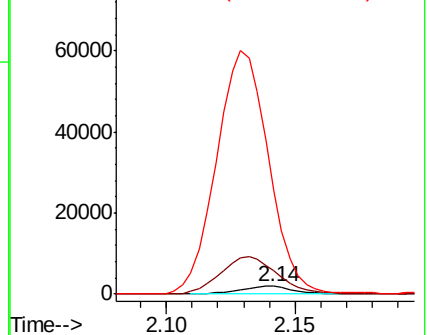
63 1376.8 98.3 182.7#

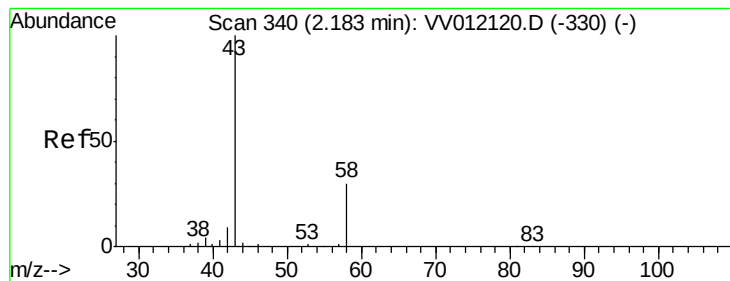


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.910 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

Instrument :

MSVOA_V

ClientSampleId :

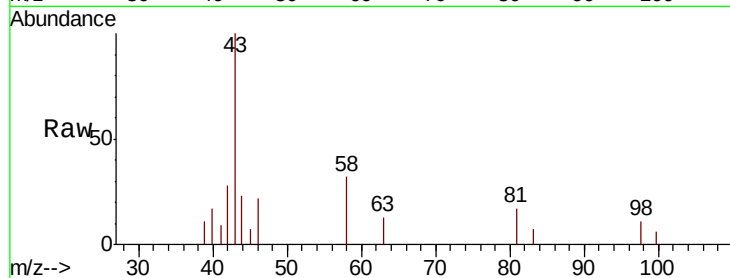
MDL05

Tgt Ion: 43 Resp: 2712

Ion Ratio Lower Upper

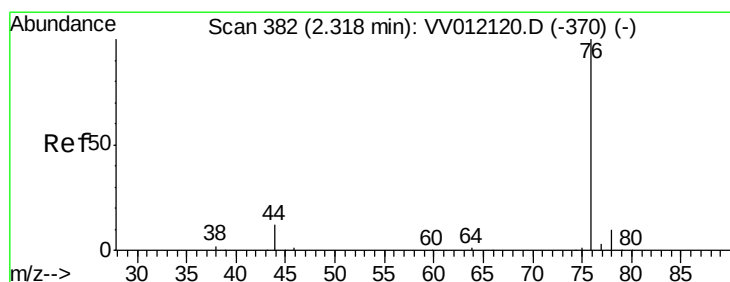
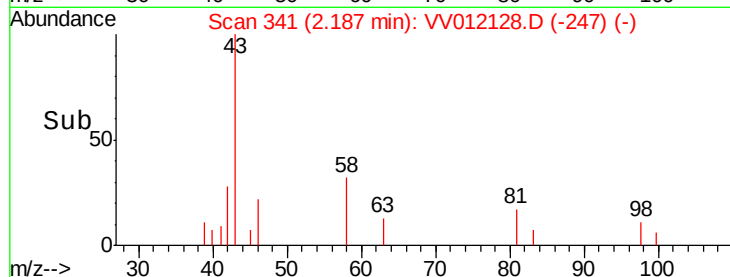
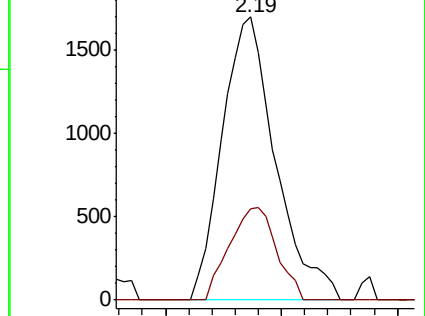
43 100

58 28.8 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 2.181 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV012128.D

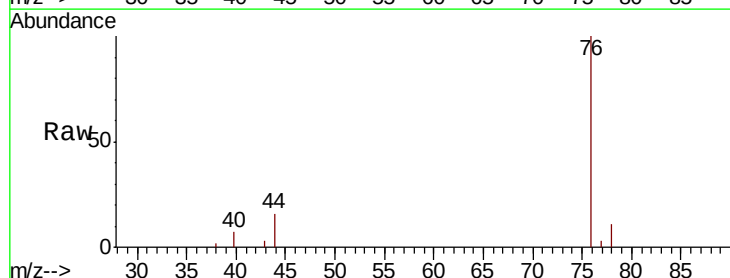
Acq: 07 Aug 2019 15:22

Tgt Ion: 76 Resp: 6840

Ion Ratio Lower Upper

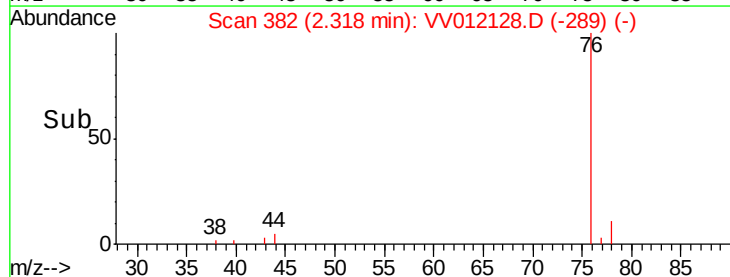
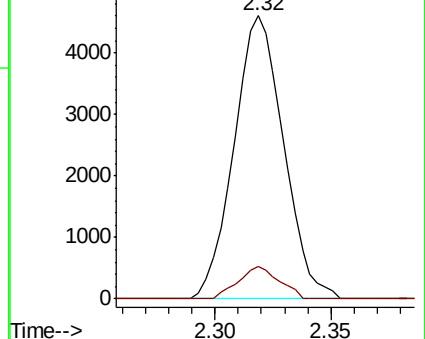
76 100

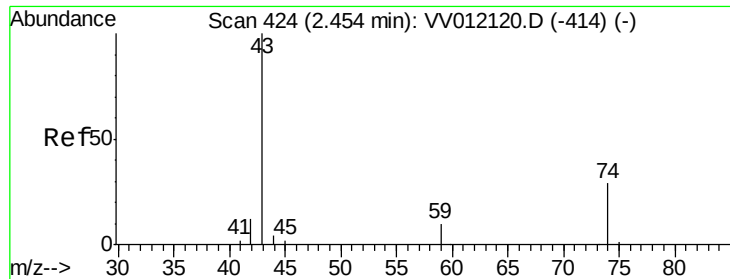
78 11.3 7.1 10.7#



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

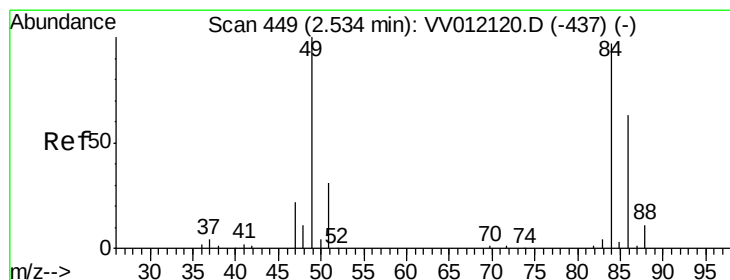
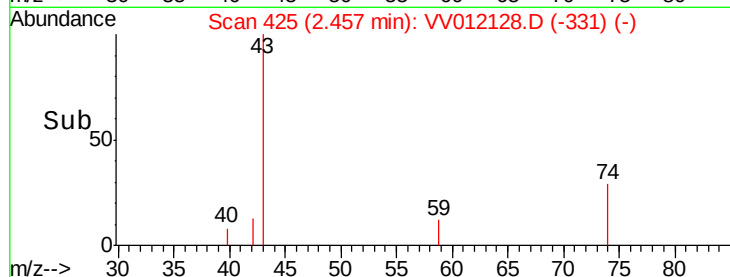
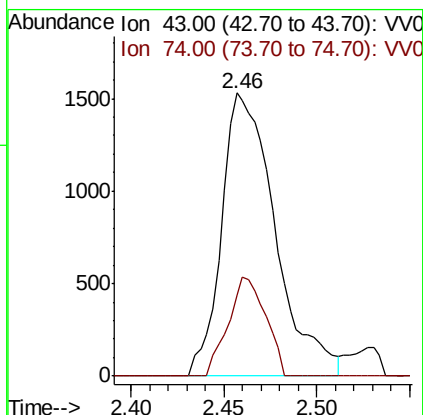
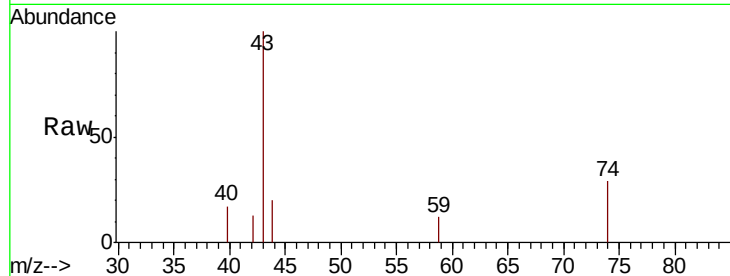




#15
Methyl Acetate
Concen: 2.532 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV012128.D
Acq: 07 Aug 2019 15:22

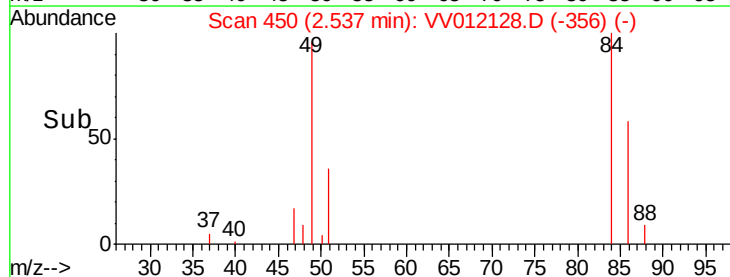
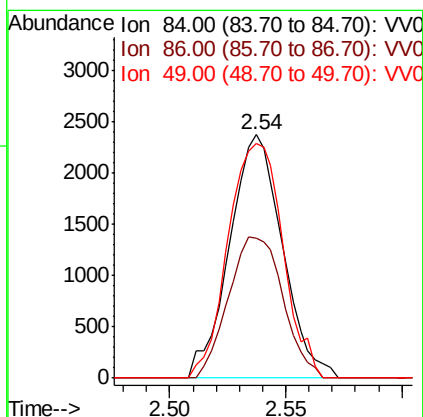
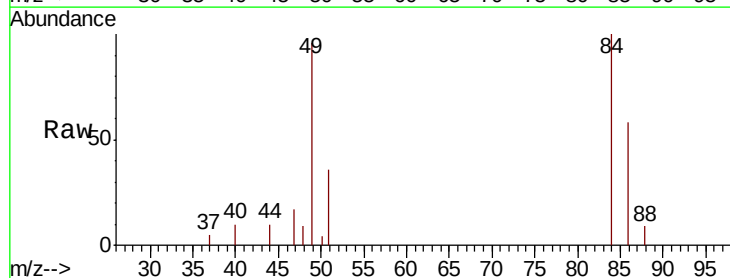
Instrument :
MSVOA_V
ClientSampleId :
MDL05

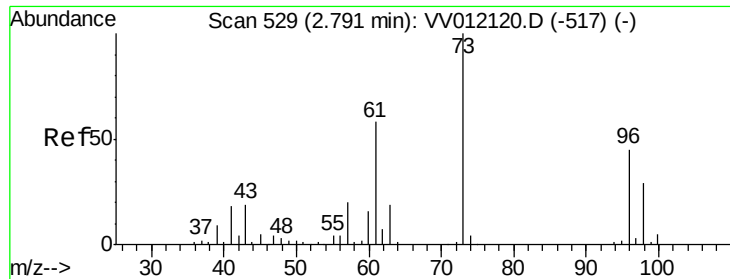
Tgt Ion: 43 Resp: 3073
Ion Ratio Lower Upper
43 100
74 24.2 21.8 32.6



#16
Methylene chloride
Concen: 2.672 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012128.D
Acq: 07 Aug 2019 15:22

Tgt Ion: 84 Resp: 3762
Ion Ratio Lower Upper
84 100
86 57.7 45.7 84.9
49 96.3 76.6 142.2





#17

trans-1,2-Dichloroethene

Concen: 2.391 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

Instrument :

MSVOA_V

ClientSampleId :

MDL05

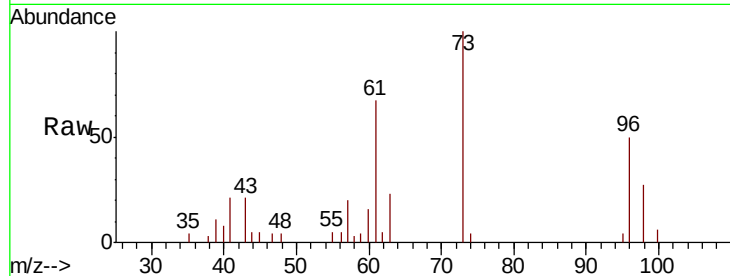
Tgt Ion: 96 Resp: 3133

Ion Ratio Lower Upper

96 100

61 132.7 90.6 168.3

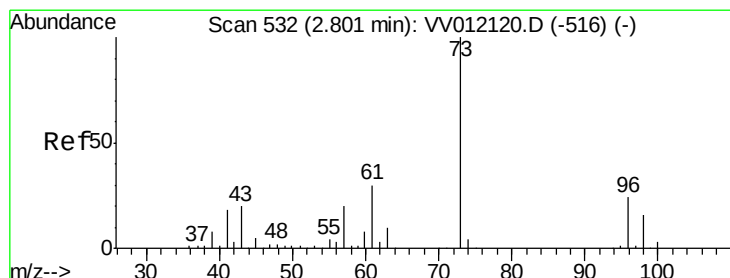
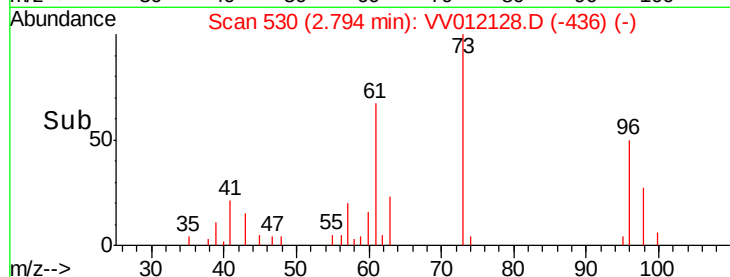
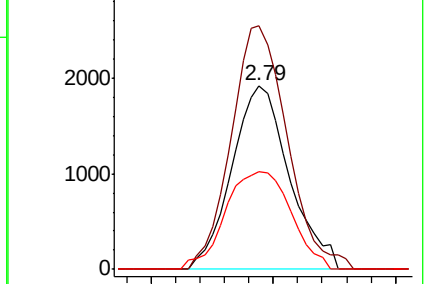
98 53.4 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 2.339 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

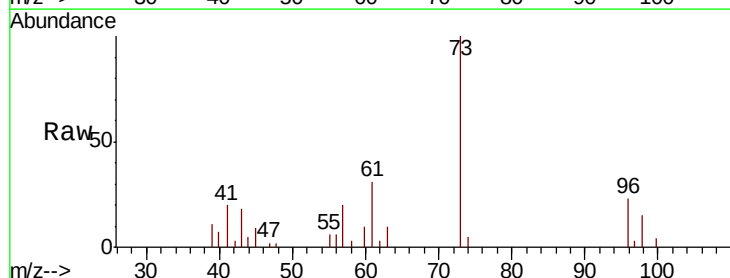
Tgt Ion: 73 Resp: 10533

Ion Ratio Lower Upper

73 100

43 22.4 15.6 23.4

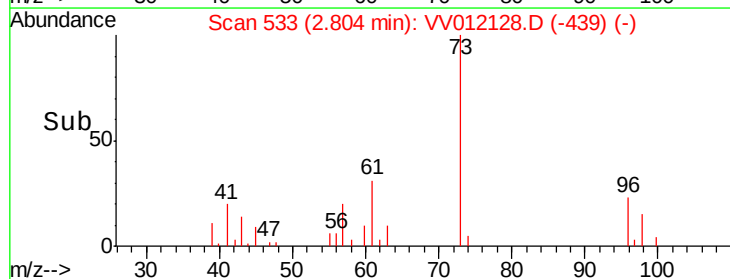
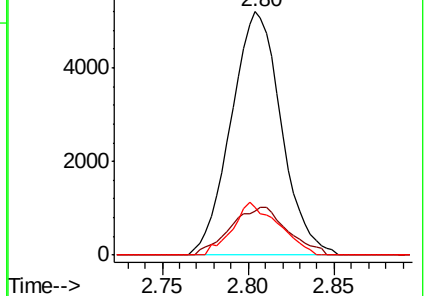
57 19.9 16.0 24.0

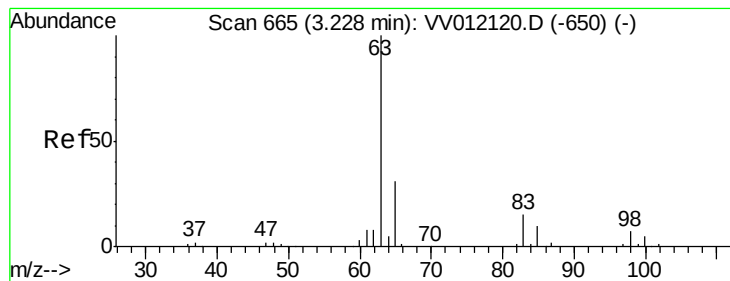


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 2.404 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

Instrument :

MSVOA_V

ClientSampled :

MDL05

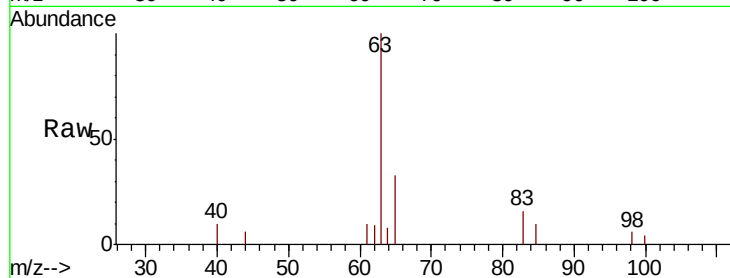
Tgt Ion: 63 Resp: 5745

Ion Ratio Lower Upper

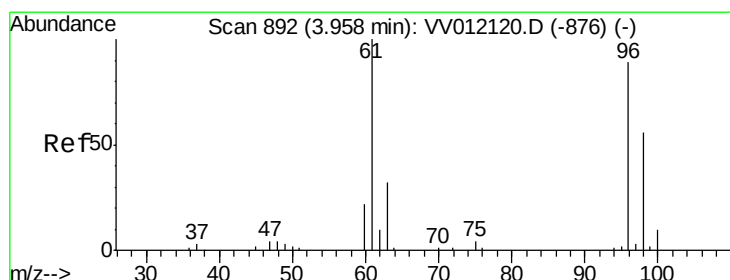
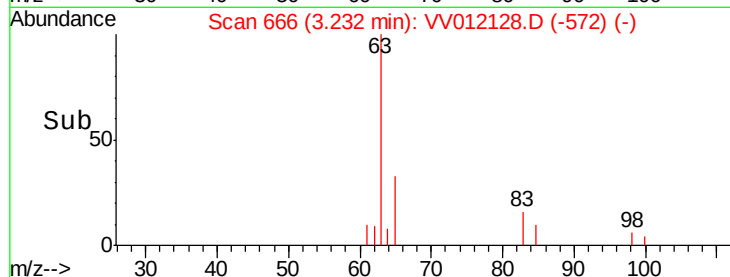
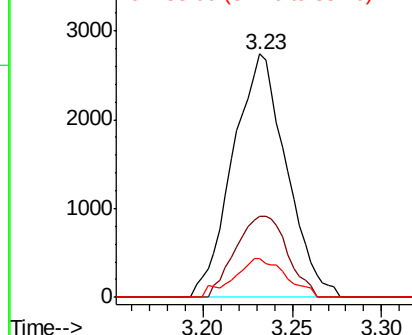
63 100

65 33.3 22.3 41.3

83 16.0 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 2.572 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.01 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

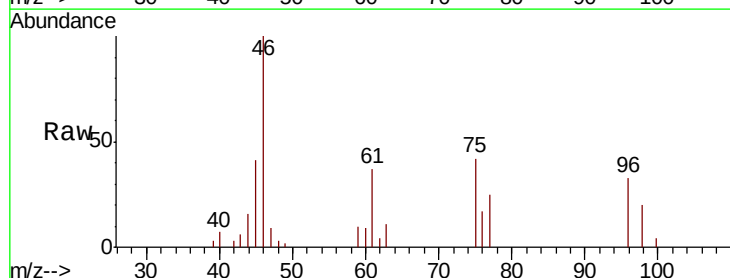
Tgt Ion: 96 Resp: 3970

Ion Ratio Lower Upper

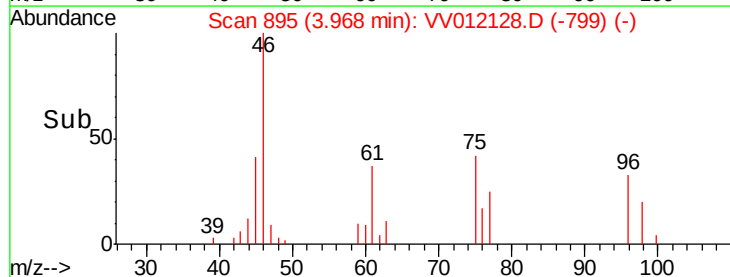
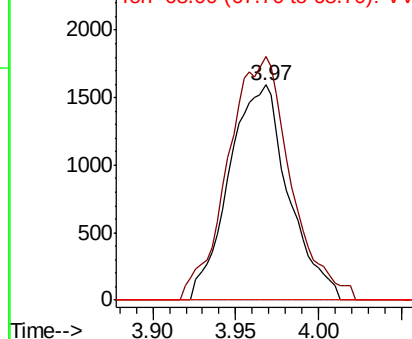
96 100

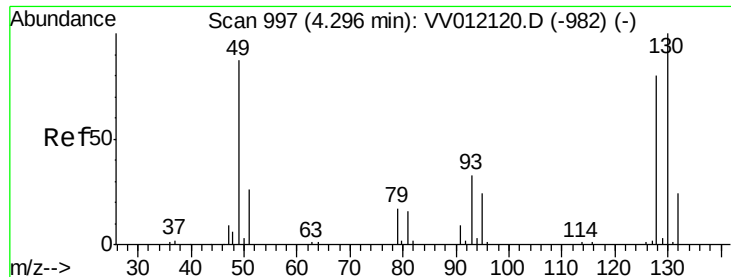
61 113.2 80.0 148.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#23

Bromochloromethane

Concen: 1.534 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

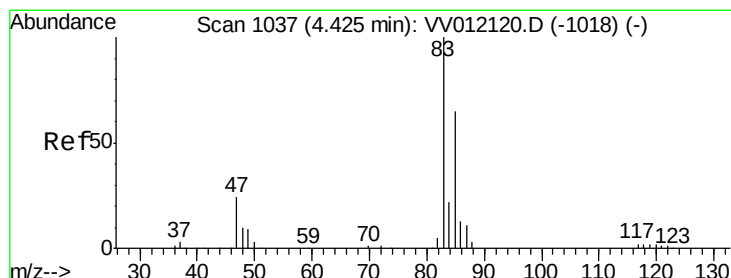
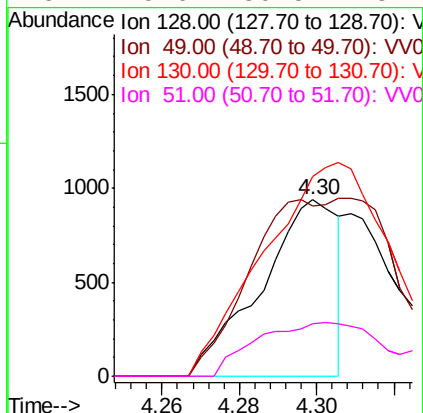
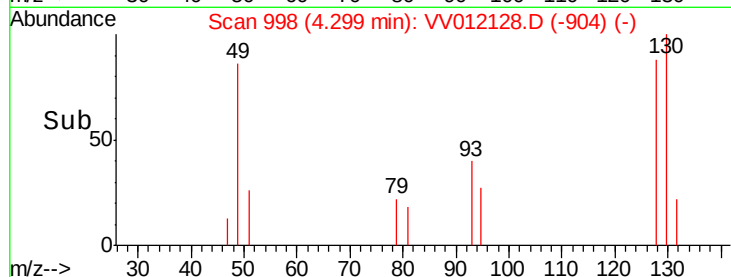
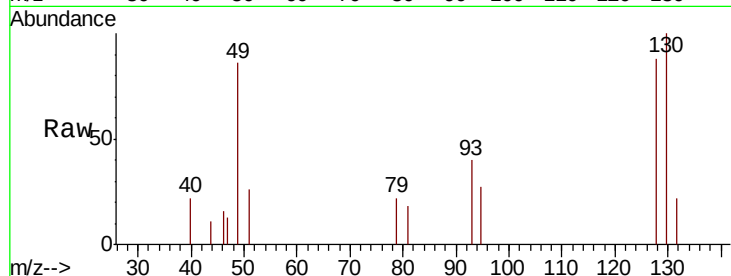
Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion:	128	Resp:	1302
Ion	Ratio	Lower	Upper
128	100		
49	96.8	84.6	157.2
130	113.0	89.9	167.0
51	29.6	30.5	45.7#



#25

Chloroform

Concen: 3.977 ug/L

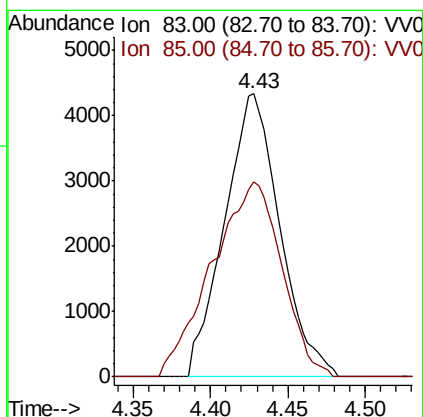
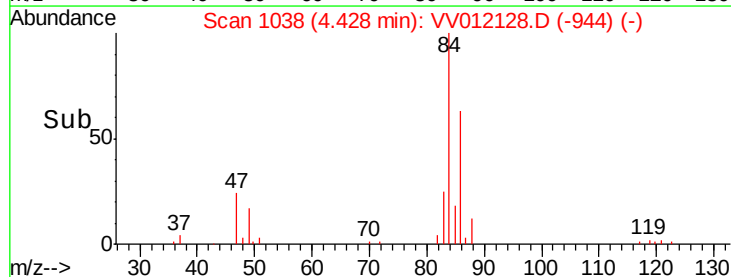
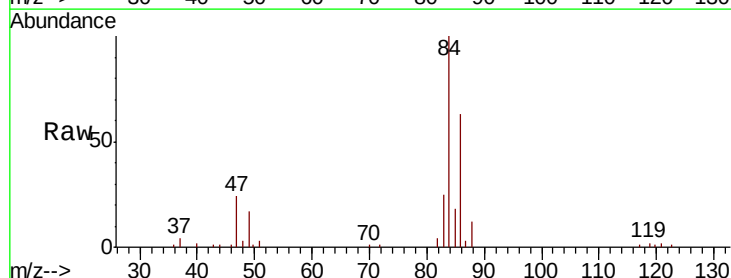
RT: 4.43 min Scan# 1038

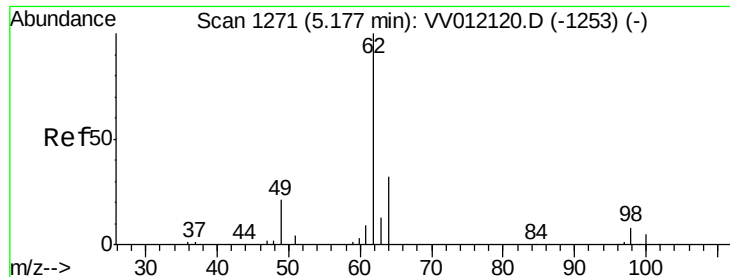
Delta R.T. 0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

Tgt Ion:	83	Resp:	10772
Ion	Ratio	Lower	Upper
83	100		
85	68.9	45.8	85.2

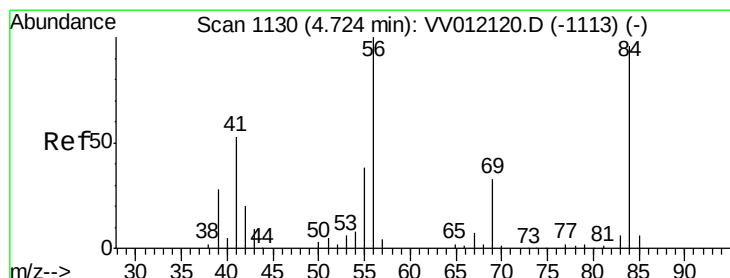
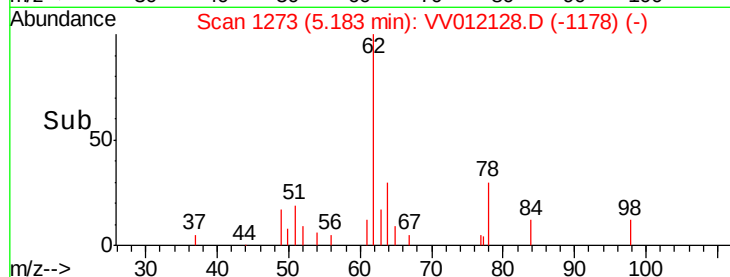
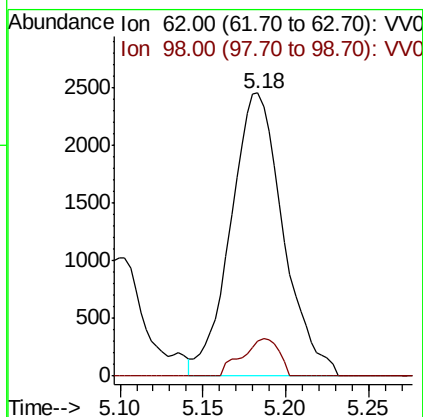
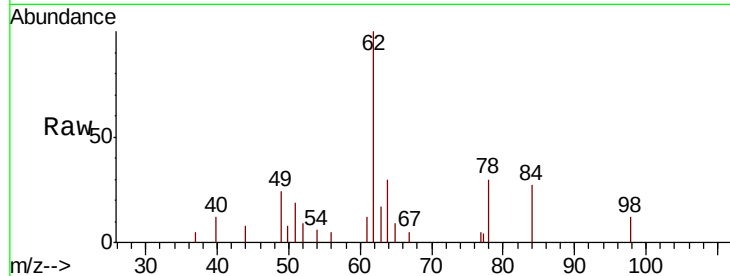




#27
 1,2-Dichloroethane
 Concen: 2.564 ug/L
 RT: 5.18 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VV012128.D
 Acq: 07 Aug 2019 15:22

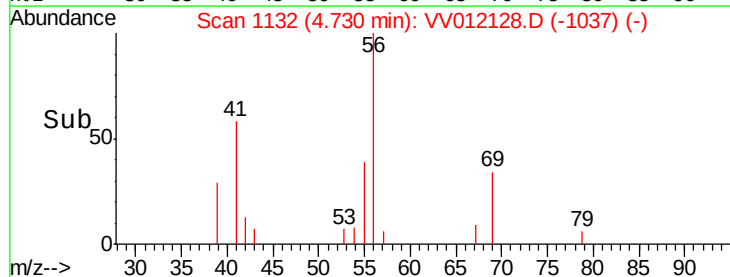
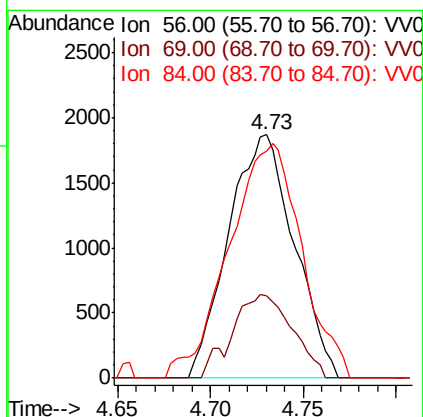
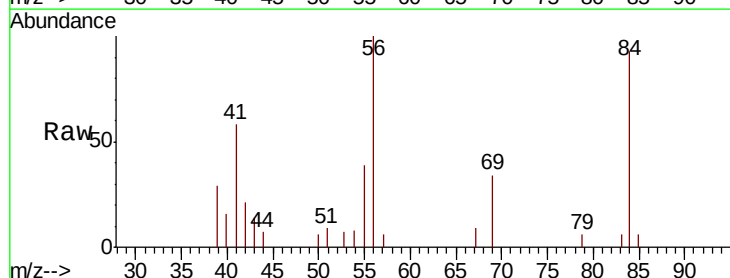
Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

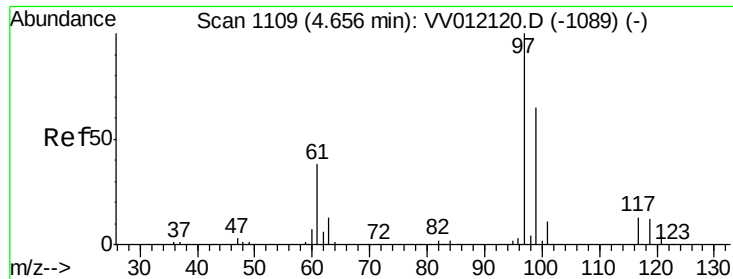
Tgt Ion: 62 Resp: 5397
 Ion Ratio Lower Upper
 62 100
 98 12.4 7.5 11.3#



#29
 Cyclohexane
 Concen: 2.405 ug/L
 RT: 4.73 min Scan# 1132
 Delta R.T. 0.01 min
 Lab File: VV012128.D
 Acq: 07 Aug 2019 15:22

Tgt Ion: 56 Resp: 4615
 Ion Ratio Lower Upper
 56 100
 69 28.5 25.8 38.8
 84 106.5 76.0 114.0

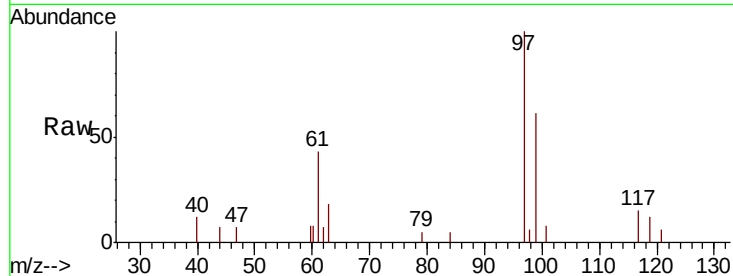




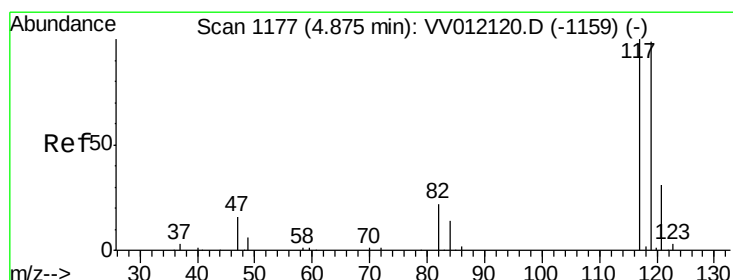
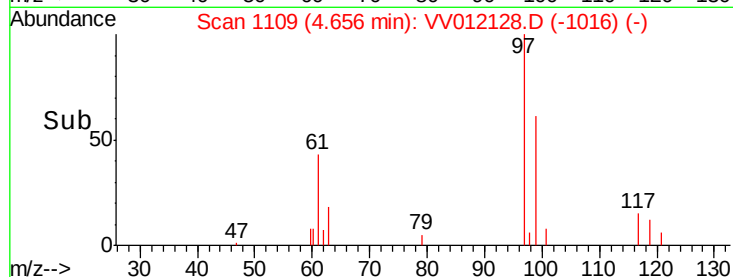
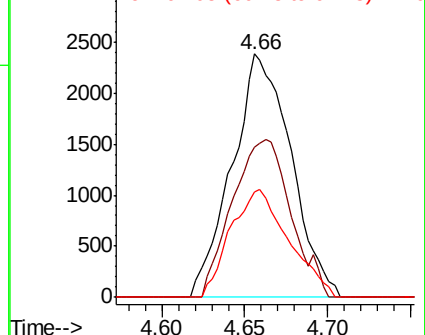
#30
 1,1,1-Trichloroethane
 Concen: 2.416 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV012128.D
 Acq: 07 Aug 2019 15:22

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion: 97 Resp: 5889
 Ion Ratio Lower Upper
 97 100
 99 61.8 51.1 76.7
 61 43.5 31.3 46.9

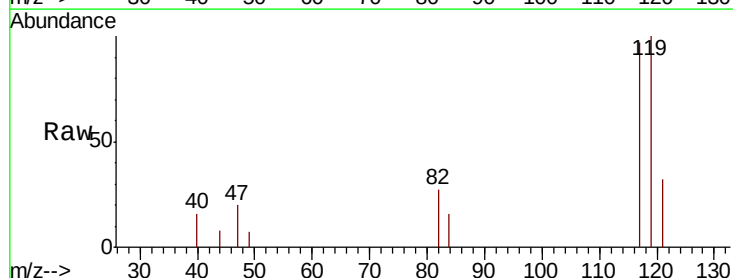


Abundance Ion 97.00 (96.70 to 97.70): VV012128.D (-1089) (-)
 Ion 99.00 (98.70 to 99.70): VV012128.D (-1089) (-)
 Ion 61.05 (60.75 to 61.75): VV012128.D (-1089) (-)

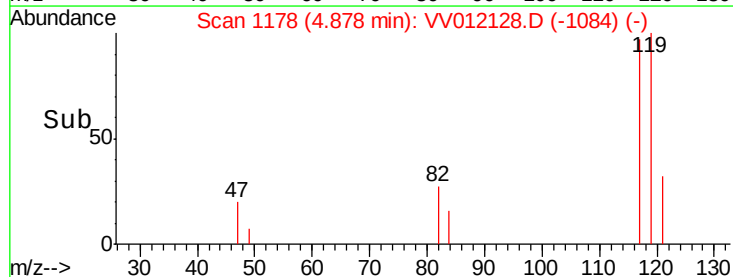
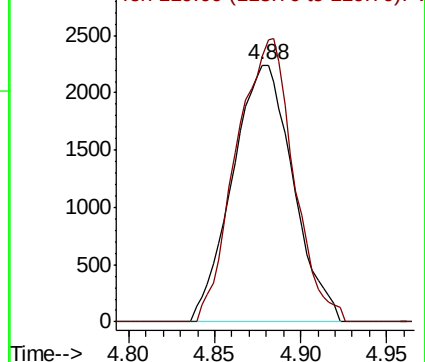


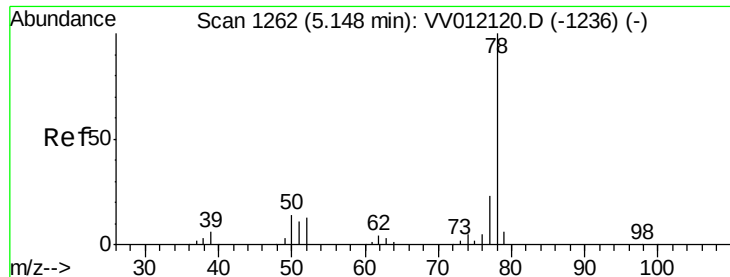
#31
 Carbon tetrachloride
 Concen: 2.429 ug/L
 RT: 4.88 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VV012128.D
 Acq: 07 Aug 2019 15:22

Tgt Ion: 117 Resp: 5494
 Ion Ratio Lower Upper
 117 100
 119 104.1 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): VV012128.D (-1084) (-)
 Ion 119.00 (118.70 to 119.70): VV012128.D (-1084) (-)





#33

Benzene

Concen: 2.530 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

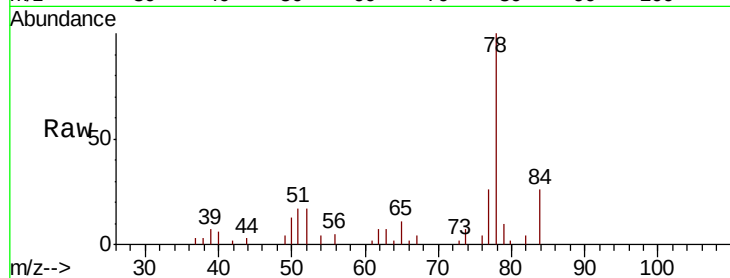
Instrument :

MSVOA_V

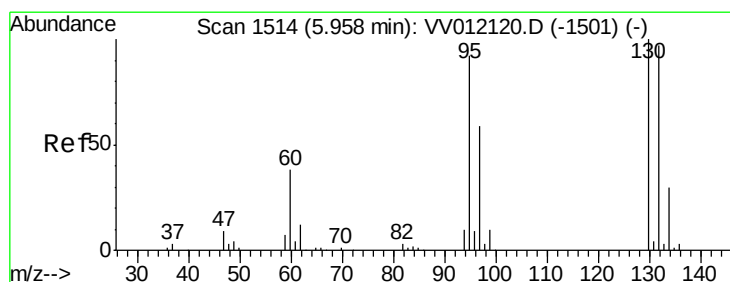
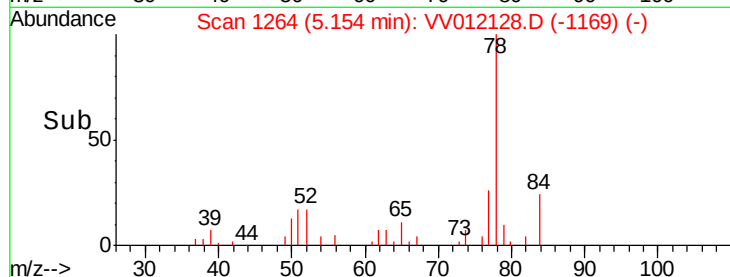
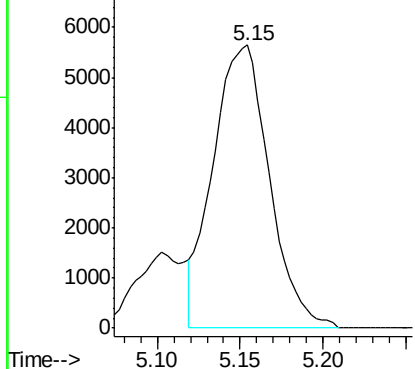
ClientSampled :

MDL05

Tgt Ion: 78 Resp: 13365



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 1.182 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

Tgt Ion: 95 Resp: 1736

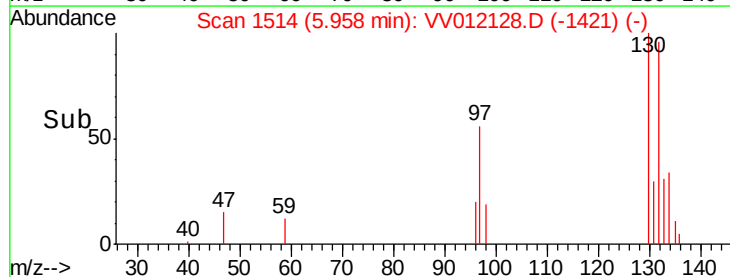
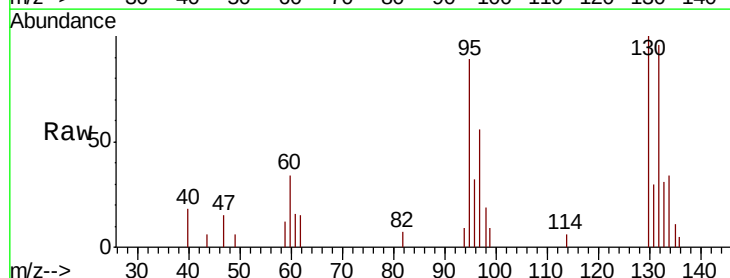
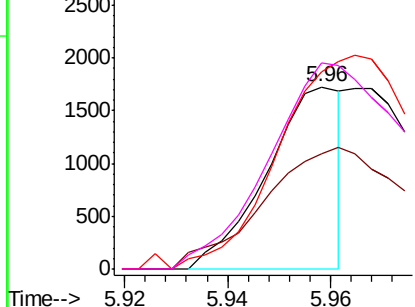
Ion	Ratio	Lower	Upper
95	100		
97	63.7	43.4	80.6
132	108.3	73.1	135.8
130	112.9	75.3	139.8

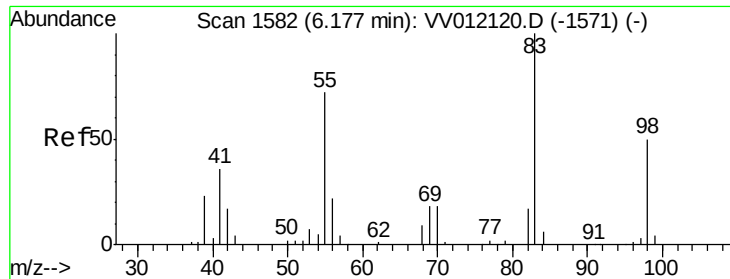
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

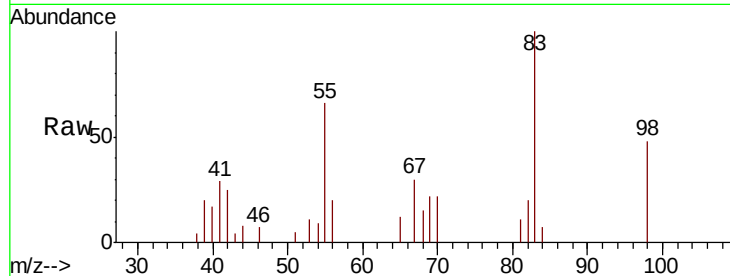




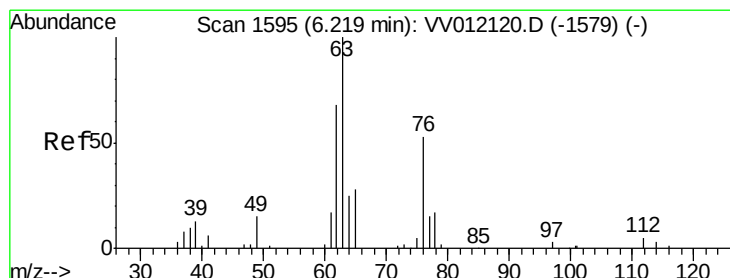
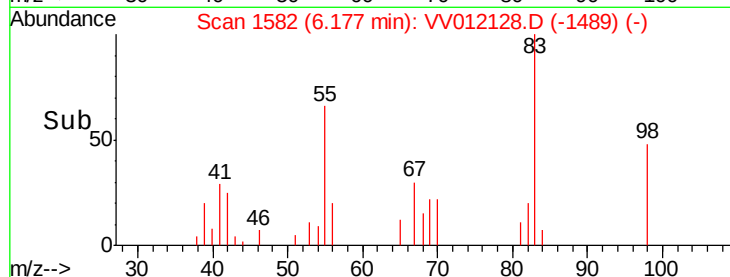
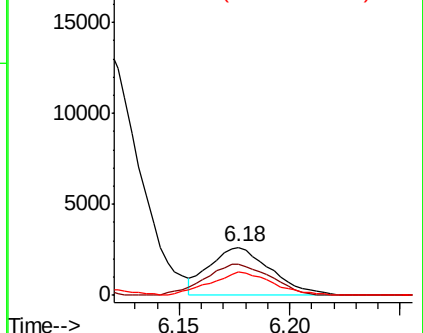
#35
Methylcyclohexane
Concen: 2.337 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VV012128.D
Acq: 07 Aug 2019 15:22

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion: 83 Resp: 5108
Ion Ratio Lower Upper
83 100
55 68.8 55.5 83.3
98 48.5 38.5 57.7

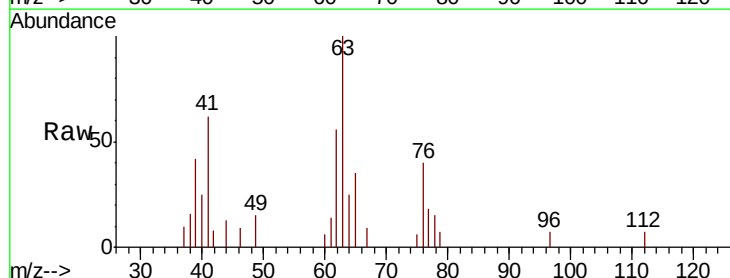


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

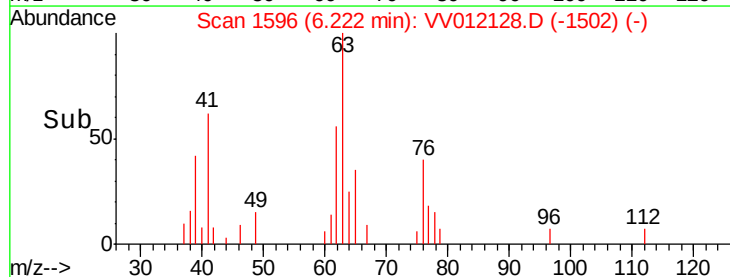
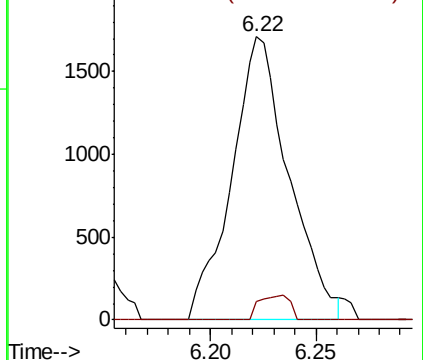


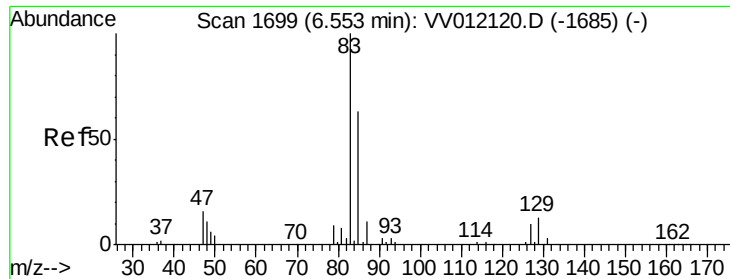
#37
1,2-Dichloropropane
Concen: 2.508 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV012128.D
Acq: 07 Aug 2019 15:22

Tgt Ion: 63 Resp: 3232
Ion Ratio Lower Upper
63 100
112 4.7 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

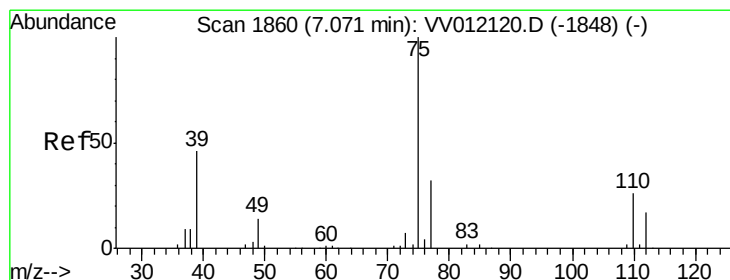
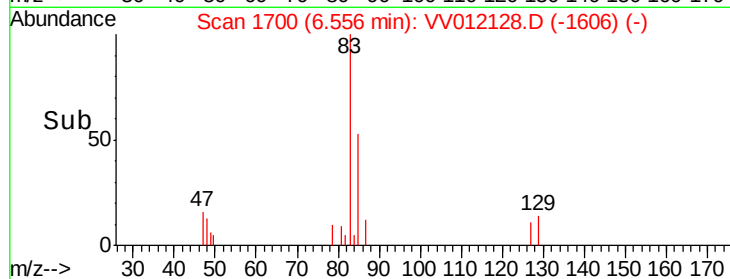
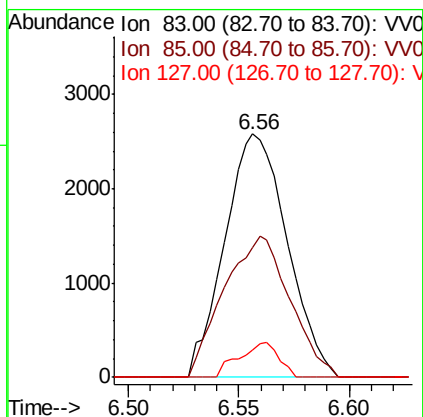
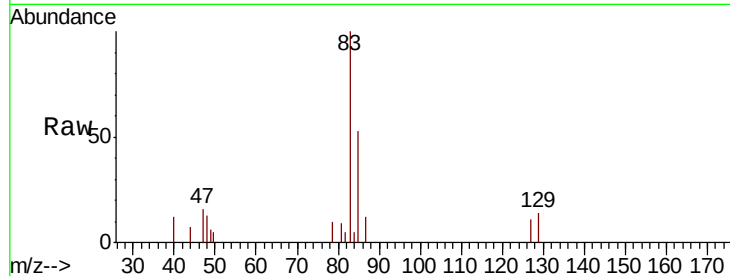




#38
 Bromodichloromethane
 Concen: 2.499 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012128.D
 Acq: 07 Aug 2019 15:22

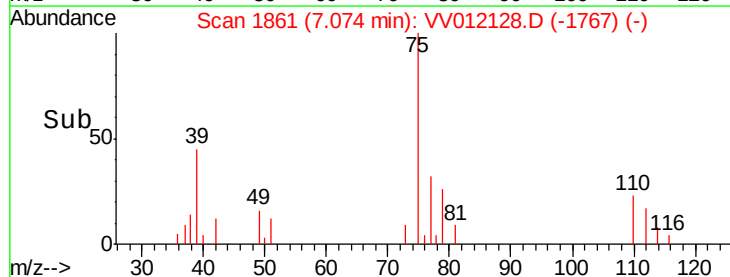
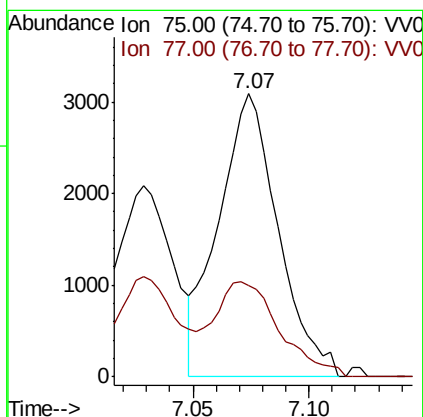
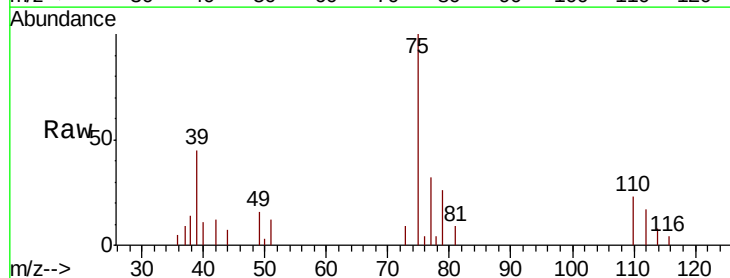
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

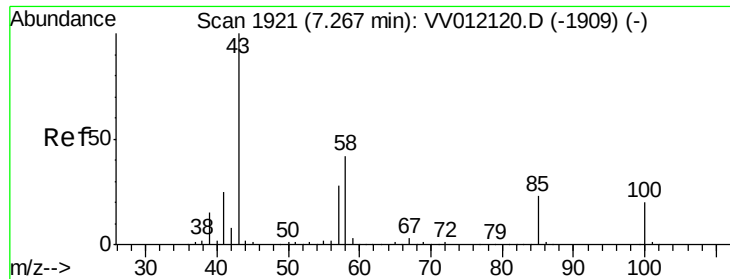
Tgt Ion: 83 Resp: 5065
 Ion Ratio Lower Upper
 83 100
 85 53.3 45.0 83.6
 127 11.2 7.9 11.9



#39
 cis-1,3-Dichloropropene
 Concen: 2.432 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012128.D
 Acq: 07 Aug 2019 15:22

Tgt Ion: 75 Resp: 5524
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.3 41.5

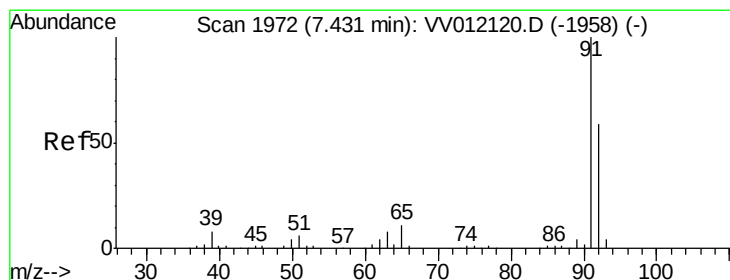
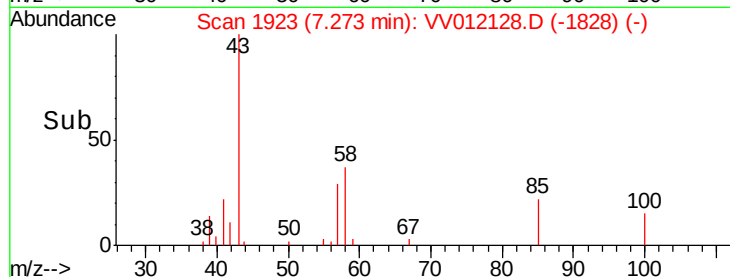
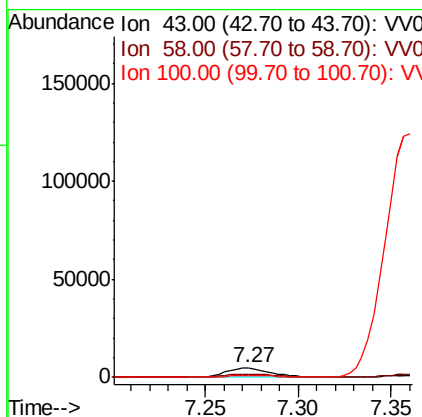
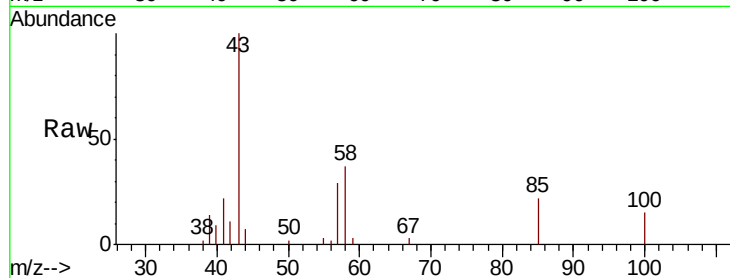




#40
4-Methyl-2-pentanone
Concen: 5.080 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VV012128.D
Acq: 07 Aug 2019 15:22

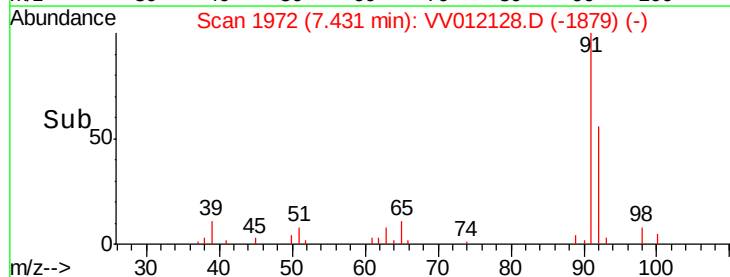
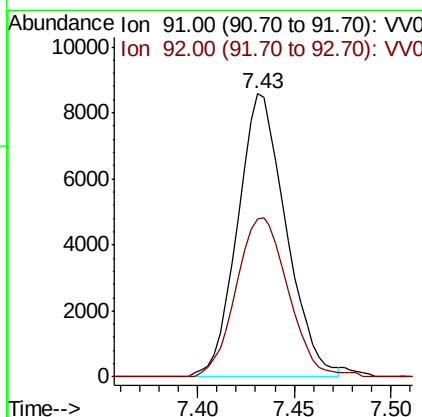
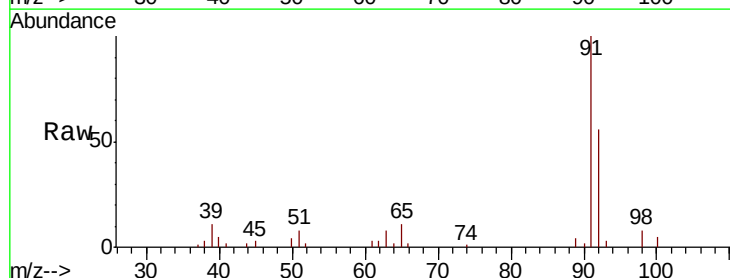
Instrument :
MSVOA_V
ClientSampleId :
MDL05

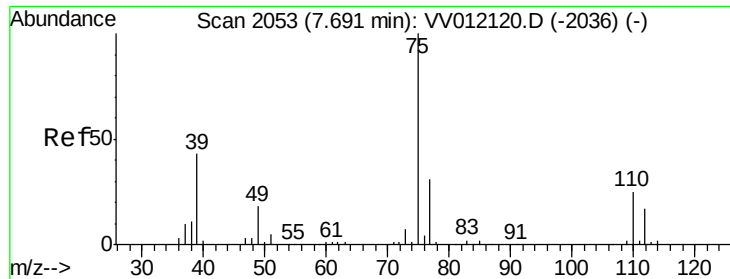
Tgt Ion: 43 Resp: 8424
Ion Ratio Lower Upper
43 100
58 39.6 33.4 50.2
100 16.5 15.0 22.4



#42
Toluene
Concen: 2.545 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VV012128.D
Acq: 07 Aug 2019 15:22

Tgt Ion: 91 Resp: 14939
Ion Ratio Lower Upper
91 100
92 55.8 40.1 74.5

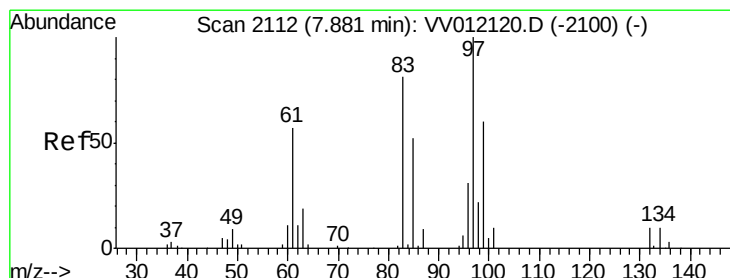
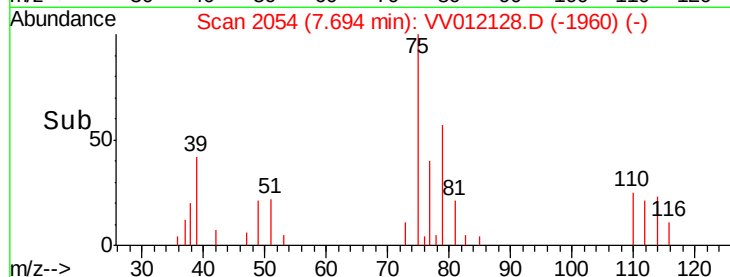
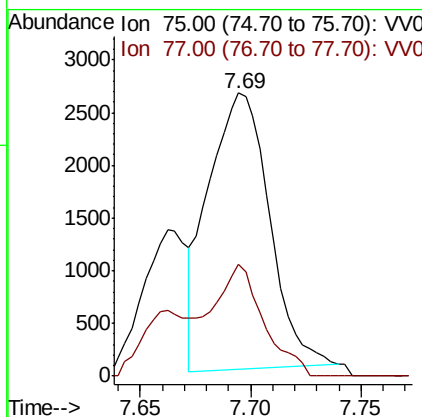
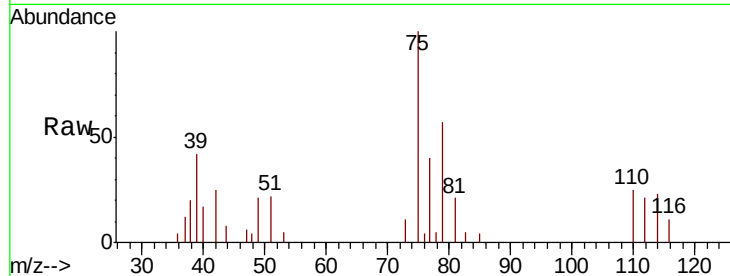




#44
 trans-1,3-Dichloropropene
 Concen: 2.342 ug/L
 RT: 7.69 min Scan# 2054
 Delta R.T. 0.00 min
 Lab File: VV012128.D
 Acq: 07 Aug 2019 15:22

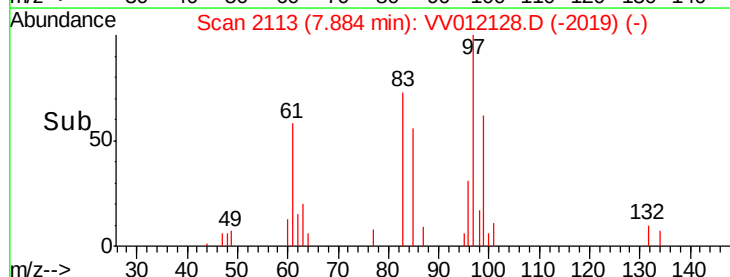
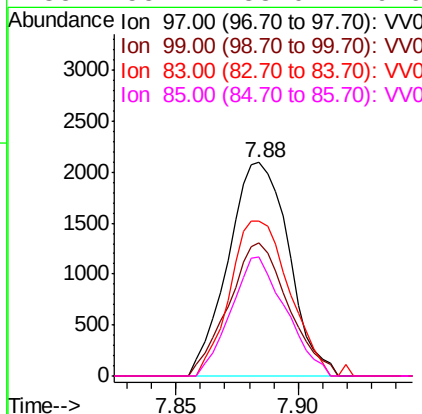
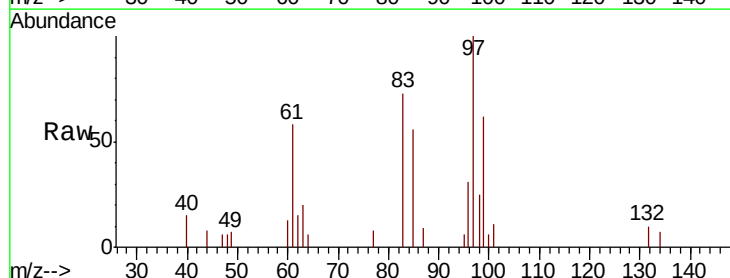
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

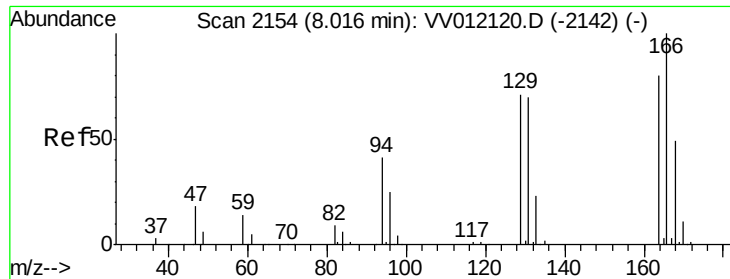
Tgt Ion: 75 Resp: 5023
 Ion Ratio Lower Upper
 75 100
 77 39.7 21.8 40.4



#45
 1,1,2-Trichloroethane
 Concen: 2.601 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012128.D
 Acq: 07 Aug 2019 15:22

Tgt Ion: 97 Resp: 3613
 Ion Ratio Lower Upper
 97 100
 99 62.2 47.2 87.6
 83 72.6 58.0 107.6
 85 55.7 38.0 70.6





#46

Tetrachloroethene

Concen: 2.364 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion:164 Resp: 3234

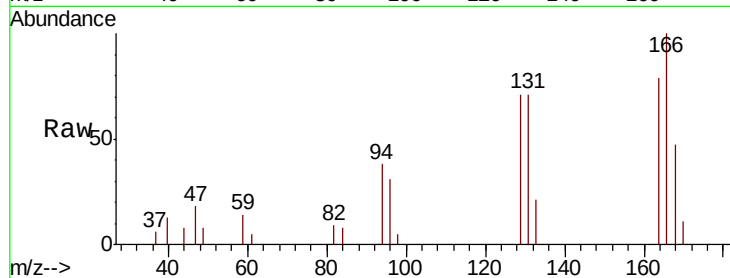
Ion Ratio Lower Upper

164 100

129 89.6 64.3 119.5

131 89.3 60.1 111.7

166 126.3 91.8 170.6

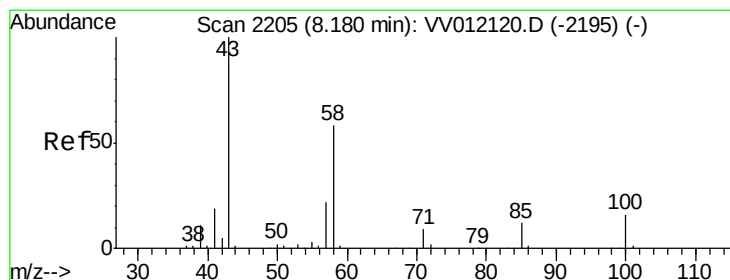
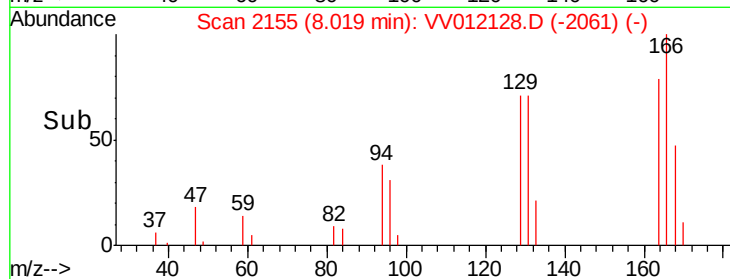
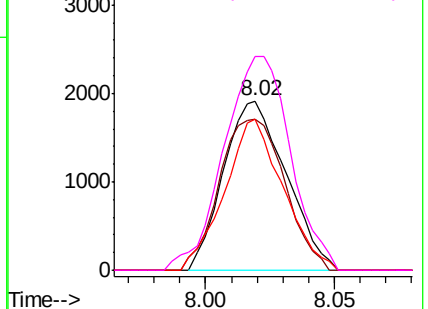


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.741 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

Tgt Ion: 43 Resp: 7178

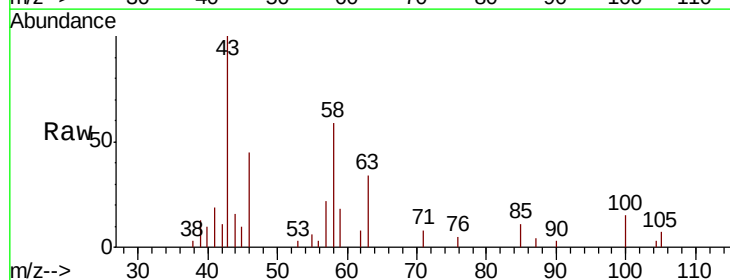
Ion Ratio Lower Upper

43 100

58 58.2 45.6 68.4

57 24.7 17.0 25.6

100 15.1 11.5 17.3

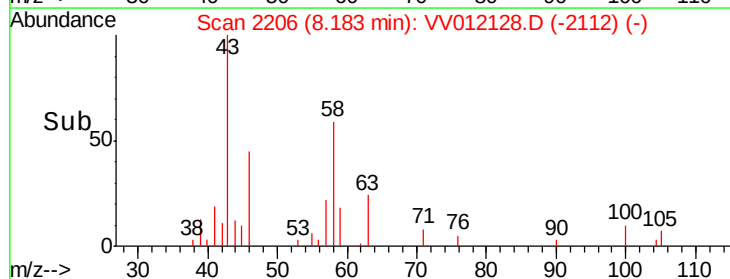
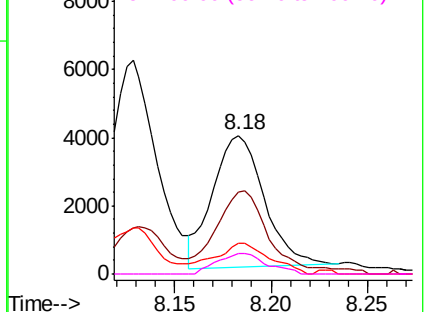


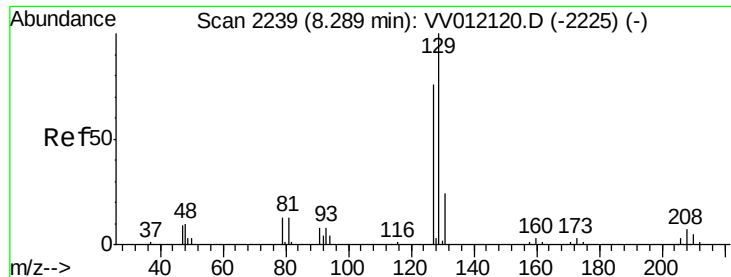
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 2.556 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

Instrument :

MSVOA_V

ClientSampleId :

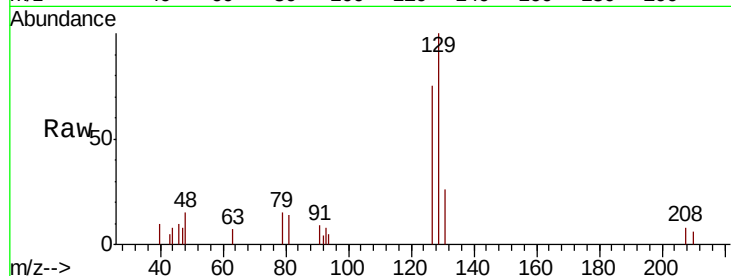
MDL05

Tgt Ion:129 Resp: 4606

Ion Ratio Lower Upper

129 100

127 75.4 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.29

2500

2000

1500

1000

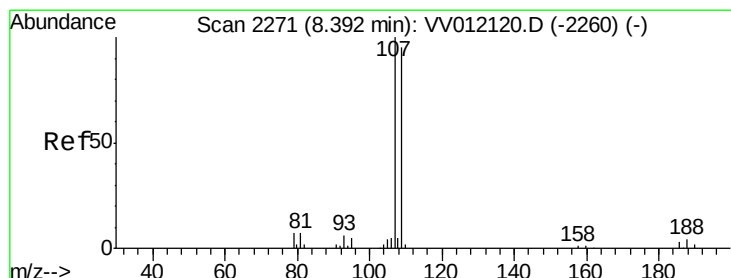
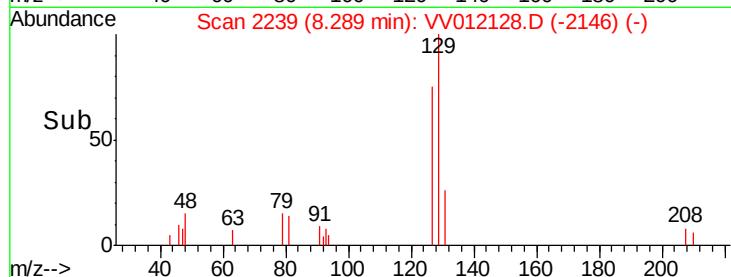
500

0

8.25

8.30

Time-->



#50

1,2-Dibromoethane

Concen: 2.400 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.01 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

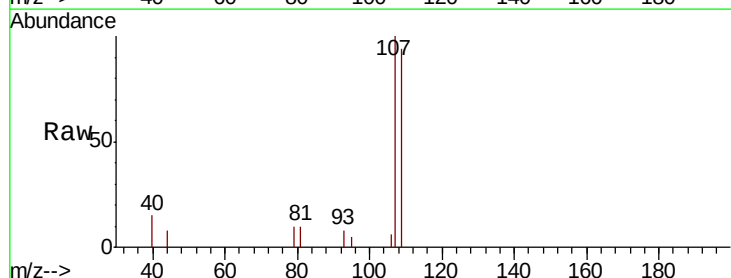
Tgt Ion:107 Resp: 3686

Ion Ratio Lower Upper

107 100

109 94.3 67.0 124.4

188 0.0 3.9 5.9#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

8.40

2500

2000

1500

1000

500

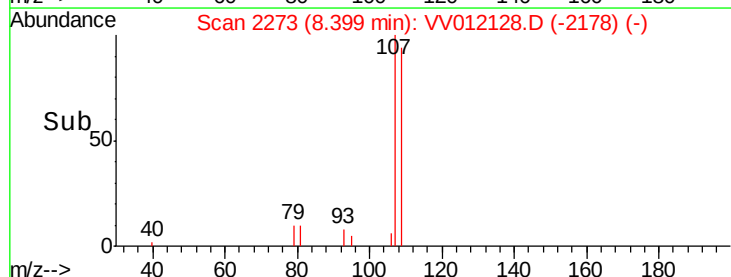
0

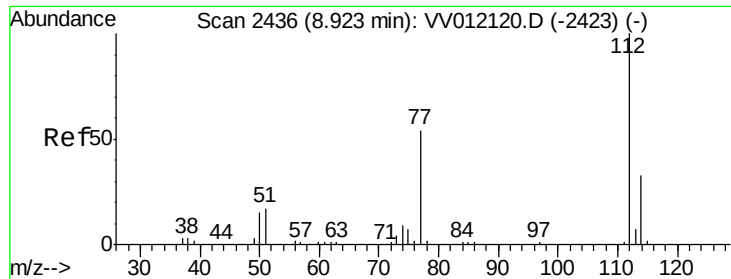
8.35

8.40

8.45

Time-->

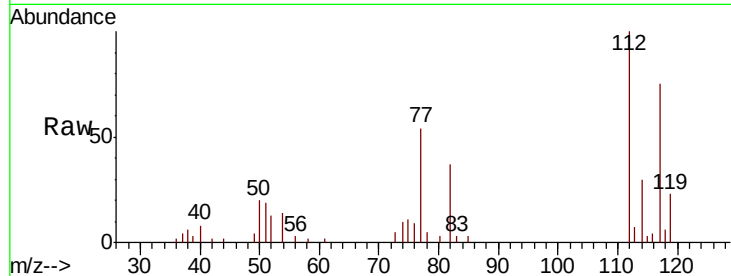




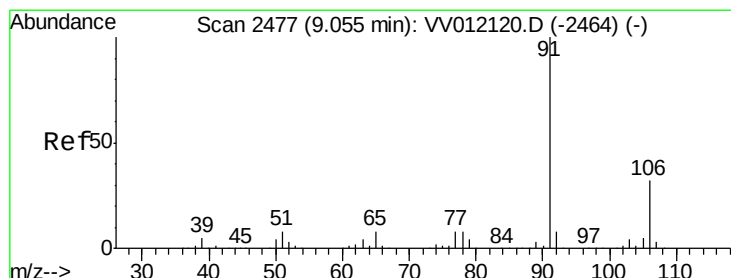
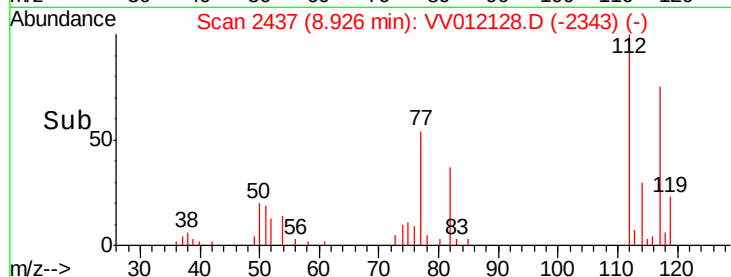
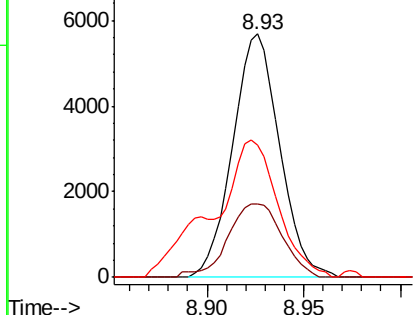
#51
Chlorobenzene
Concen: 2.425 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012128.D
Acq: 07 Aug 2019 15:22

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion: 112 Resp: 9596
Ion Ratio Lower Upper
112 100
114 30.4 22.8 42.4
77 54.1 44.7 67.1

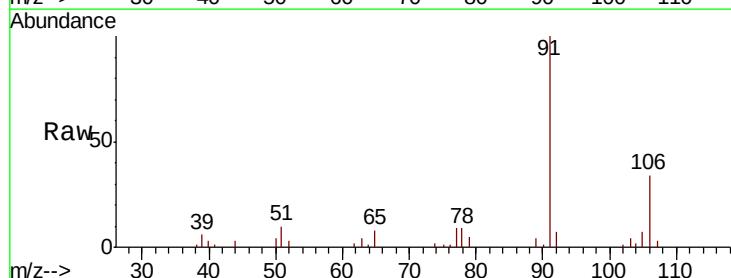


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

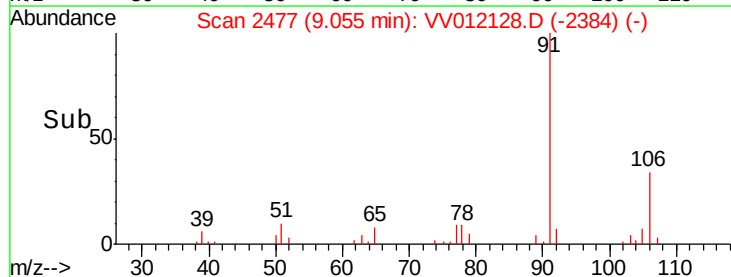
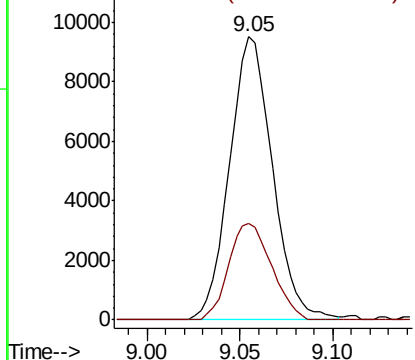


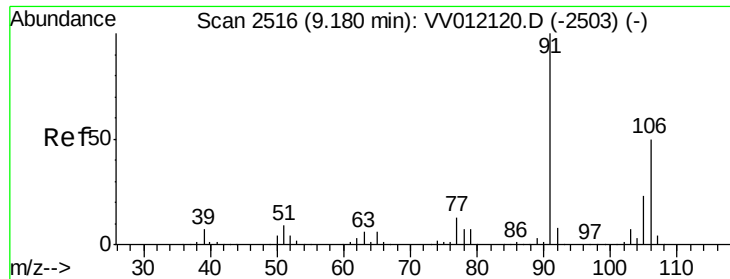
#52
Ethylbenzene
Concen: 2.326 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV012128.D
Acq: 07 Aug 2019 15:22

Tgt Ion: 91 Resp: 15316
Ion Ratio Lower Upper
91 100
106 33.9 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 106.00 (105.70 to 106.70): V

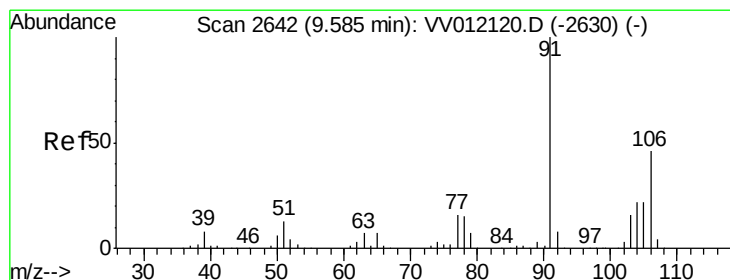
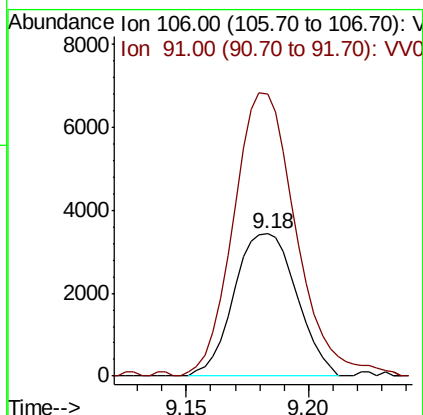
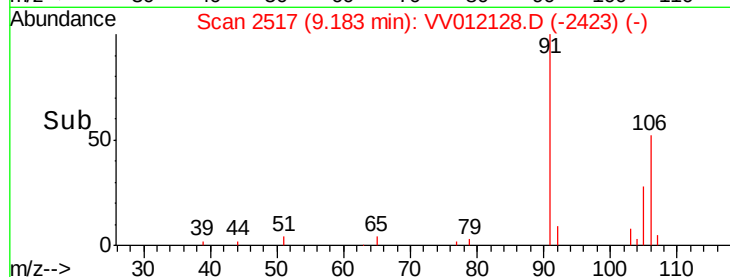
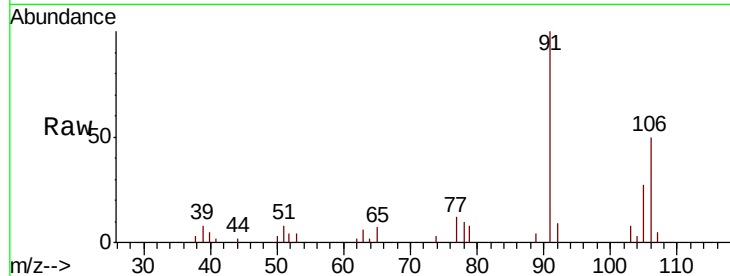




#53
m,p-Xylene
Concen: 2.407 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV012128.D
Acq: 07 Aug 2019 15:22

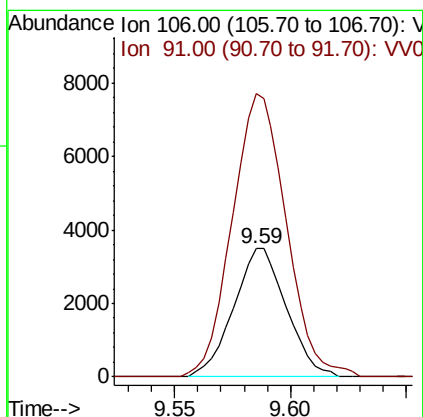
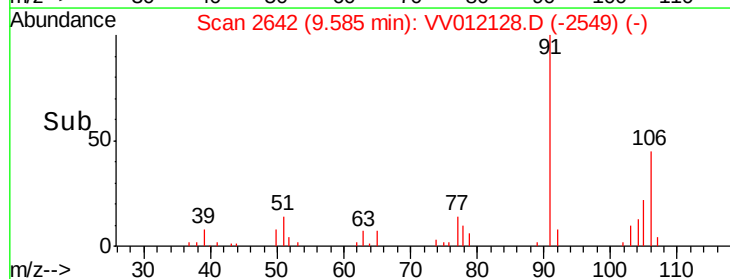
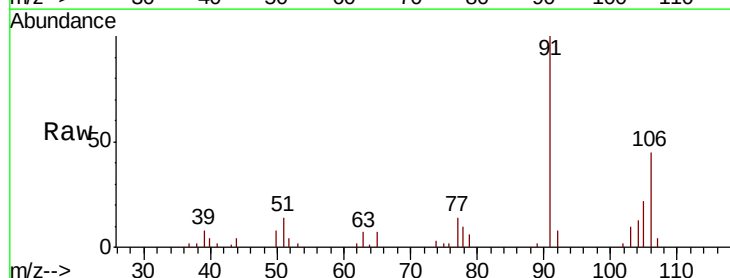
Instrument :
MSVOA_V
ClientSampled :
MDL05

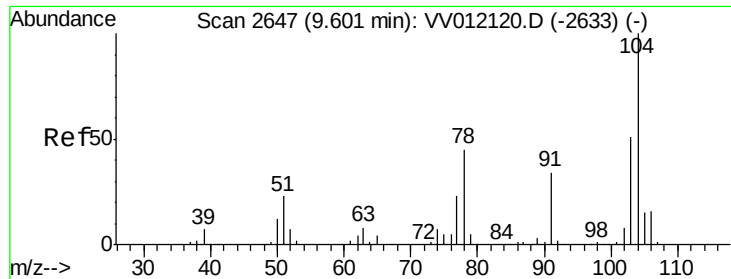
Tgt Ion:106 Resp: 6116
Ion Ratio Lower Upper
106 100
91 198.1 146.7 272.5



#54
o-Xylene
Concen: 2.191 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012128.D
Acq: 07 Aug 2019 15:22

Tgt Ion:106 Resp: 5524
Ion Ratio Lower Upper
106 100
91 220.5 150.4 279.2





#55

Styrene

Concen: 2.202 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.01 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

Instrument :

MSVOA_V

ClientSampled :

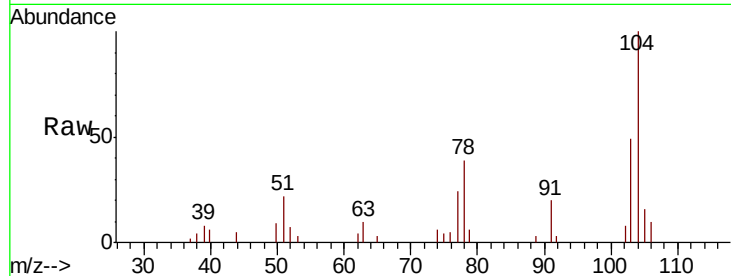
MDL05

Tgt Ion:104 Resp: 9354

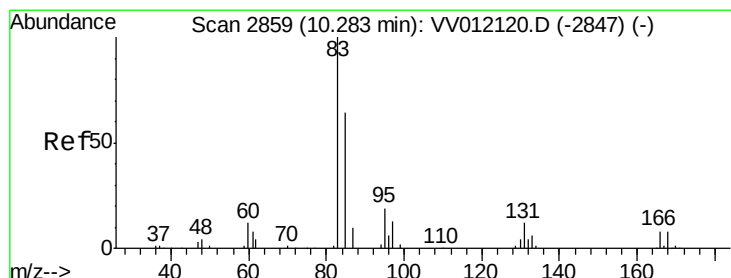
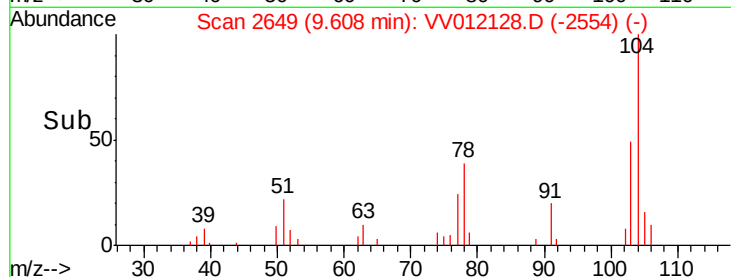
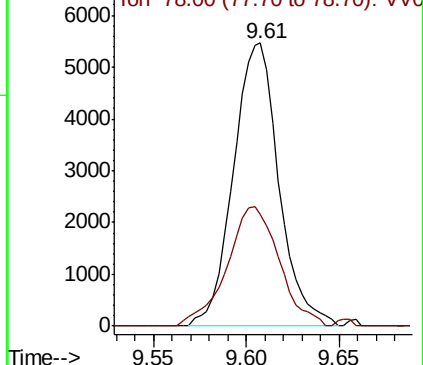
Ion Ratio Lower Upper

104 100

78 39.5 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): VV012128.D (-2633) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 2.604 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

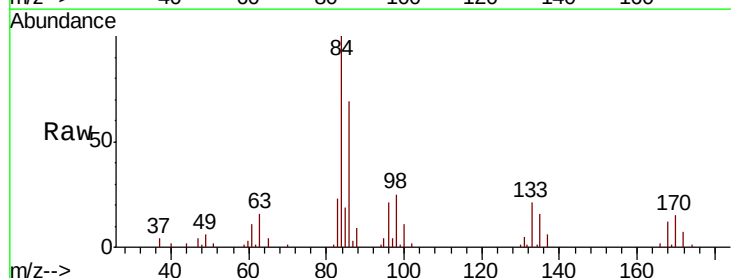
Tgt Ion: 83 Resp: 5561

Ion Ratio Lower Upper

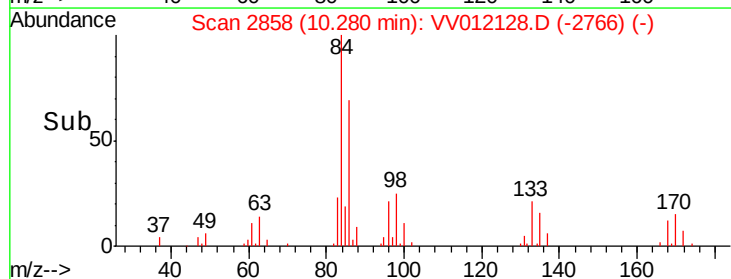
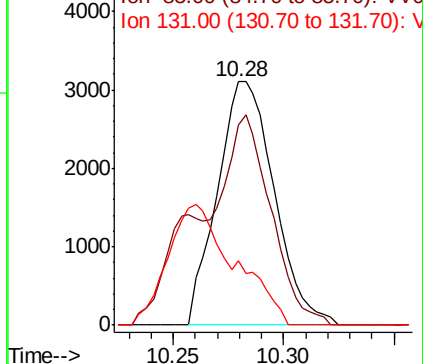
83 100

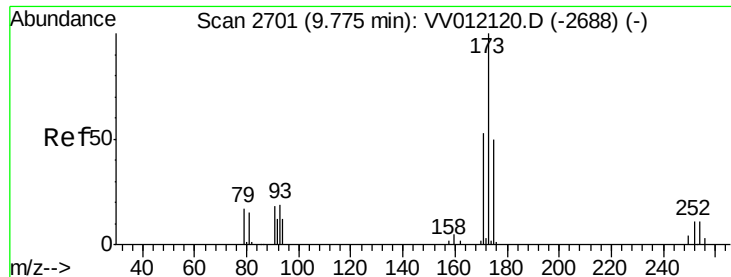
85 81.9 44.6 82.8

131 26.2 9.3 13.9#



Abundance Ion 83.00 (82.70 to 83.70): VV012128.D (-2766) (-)





#59

Bromoform

Concen: 2.758 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

Instrument :

MSVOA_V

ClientSampleId :

MDL05

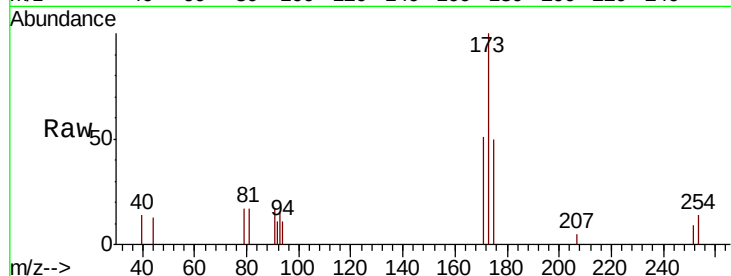
Tgt Ion:173 Resp: 3549

Ion Ratio Lower Upper

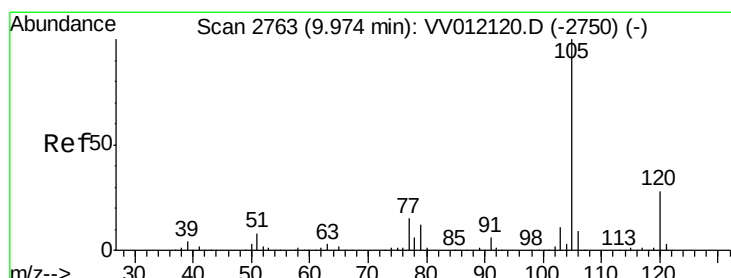
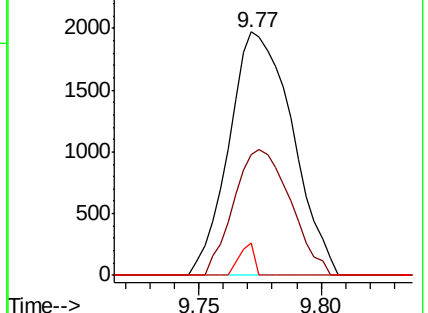
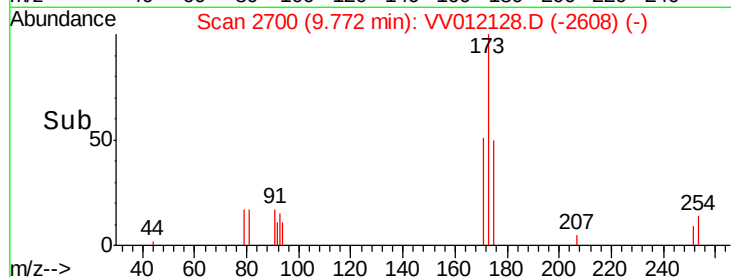
173 100

175 46.2 38.3 57.5

254 3.2 8.9 13.3#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 2.569 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

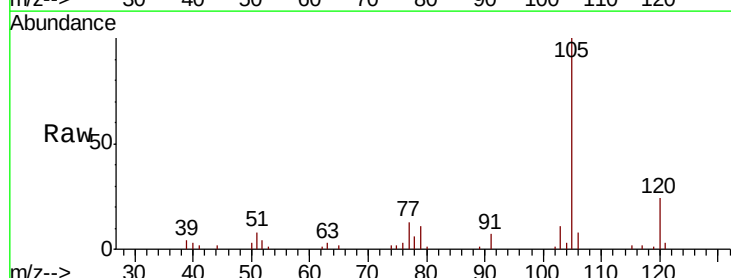
Tgt Ion:105 Resp: 15429

Ion Ratio Lower Upper

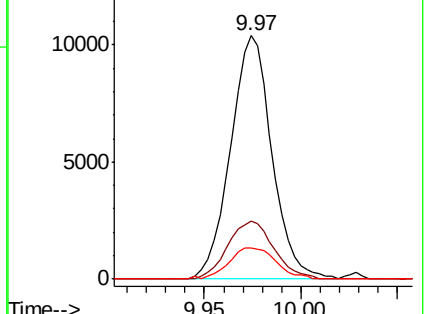
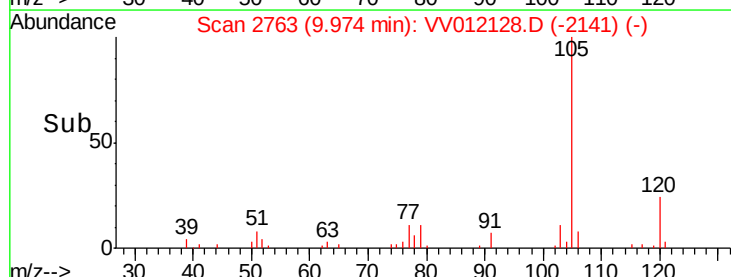
105 100

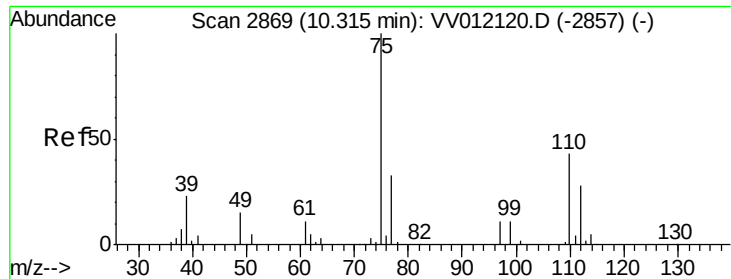
120 26.4 21.4 32.0

77 14.4 11.6 17.4



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

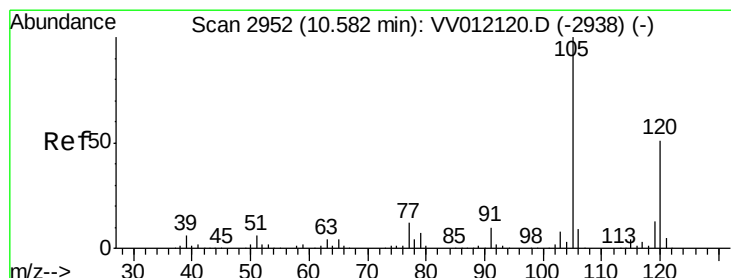
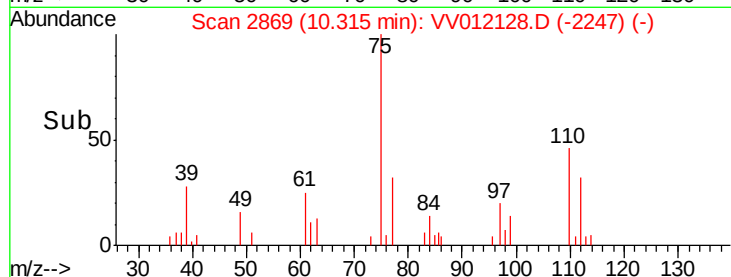
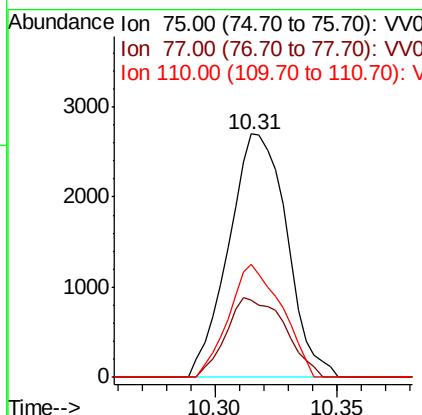
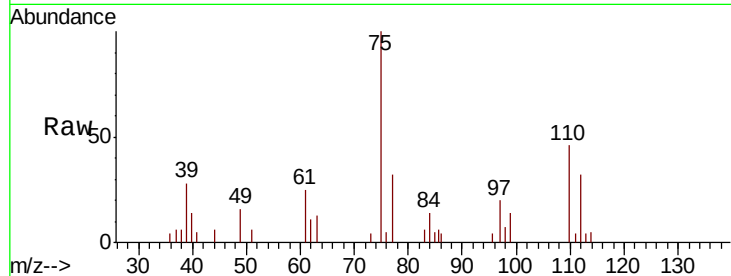




#61
 1,2,3-Trichloropropane
 Concen: 3.000 ug/L
 RT: 10.31 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VV012128.D
 Acq: 07 Aug 2019 15:22

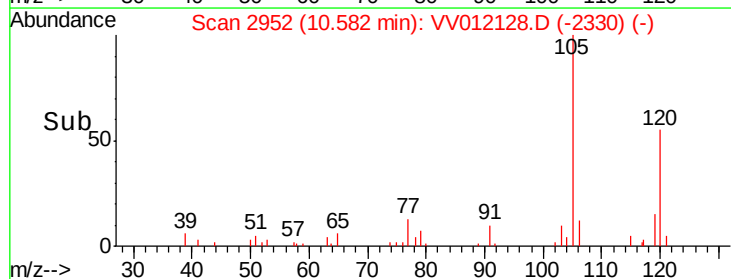
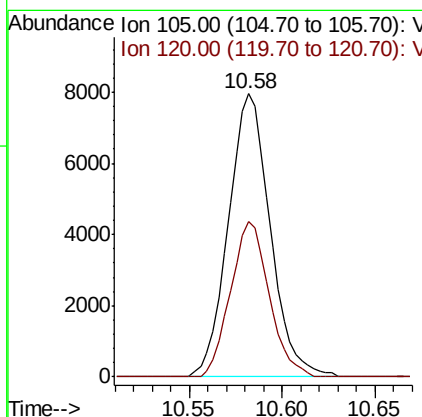
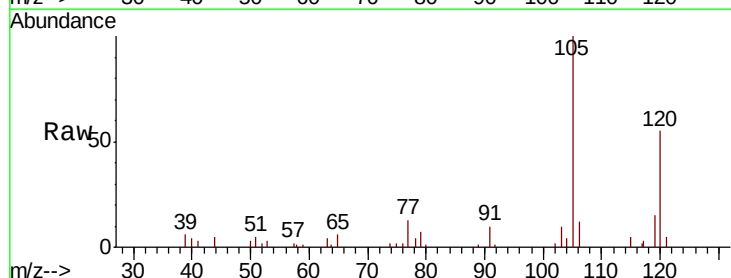
Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

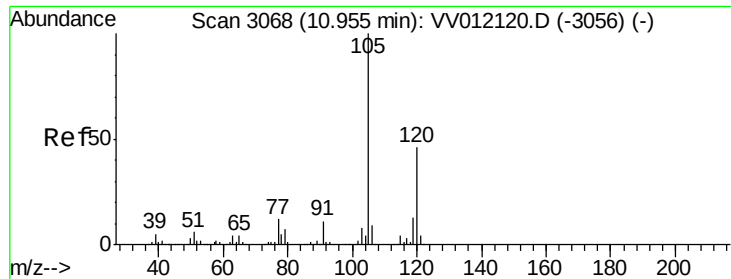
Tgt Ion: 75 Resp: 4470
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.7 38.5
 110 42.3 34.2 51.4



#62
 1,3,5-Trimethylbenzene
 Concen: 2.401 ug/L
 RT: 10.58 min Scan# 2952
 Delta R.T. -0.00 min
 Lab File: VV012128.D
 Acq: 07 Aug 2019 15:22

Tgt Ion: 105 Resp: 12465
 Ion Ratio Lower Upper
 105 100
 120 50.5 39.2 58.8

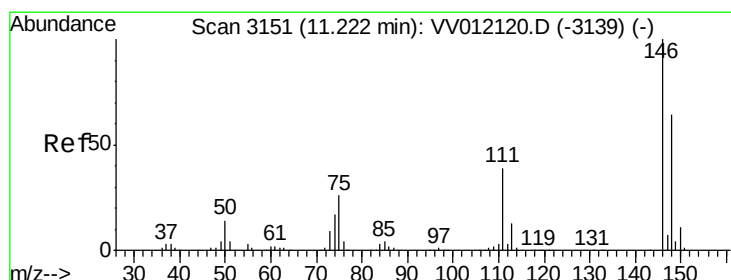
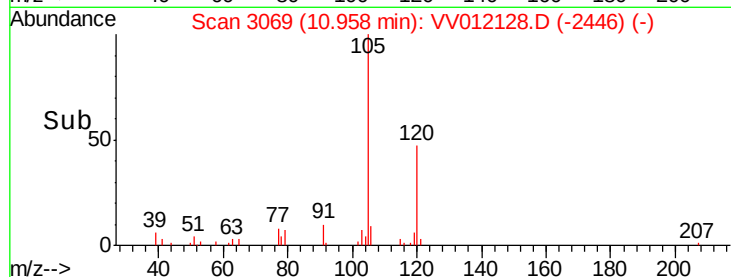
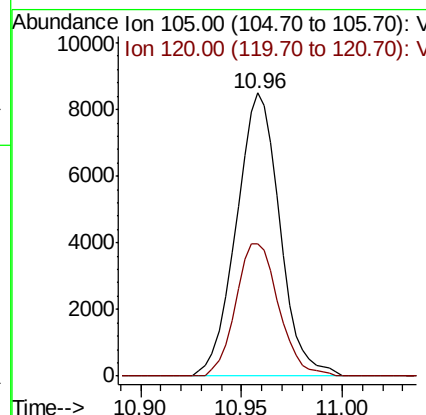
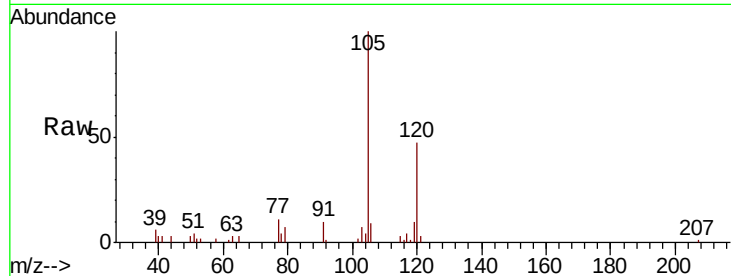




#63
 1,2,4-Trimethylbenzene
 Concen: 2.504 ug/L
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV012128.D
 Acq: 07 Aug 2019 15:22

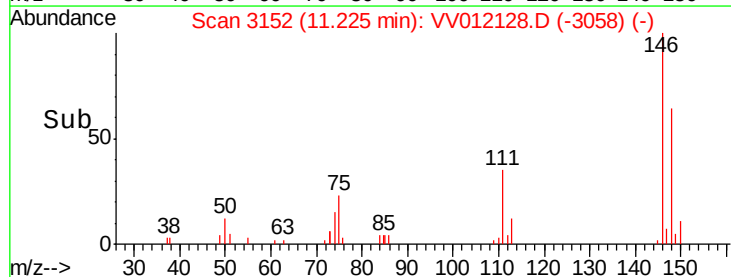
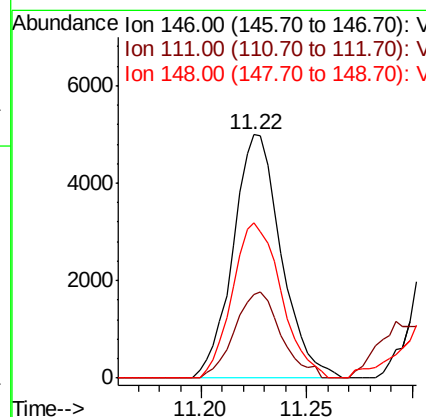
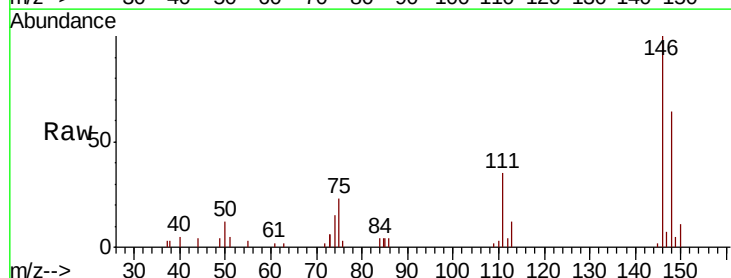
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

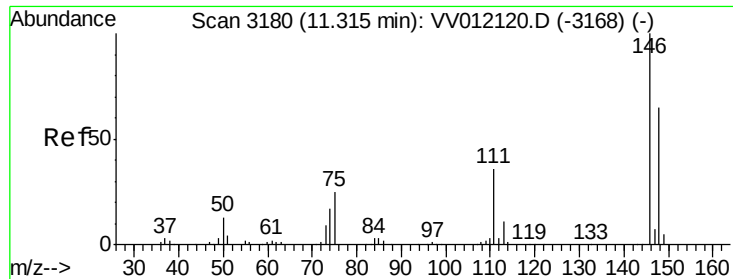
Tgt Ion:105 Resp: 12833
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.7 55.1



#64
 1,3-Dichlorobenzene
 Concen: 2.606 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012128.D
 Acq: 07 Aug 2019 15:22

Tgt Ion:146 Resp: 7897
 Ion Ratio Lower Upper
 146 100
 111 34.5 26.8 49.8
 148 63.6 44.6 82.8

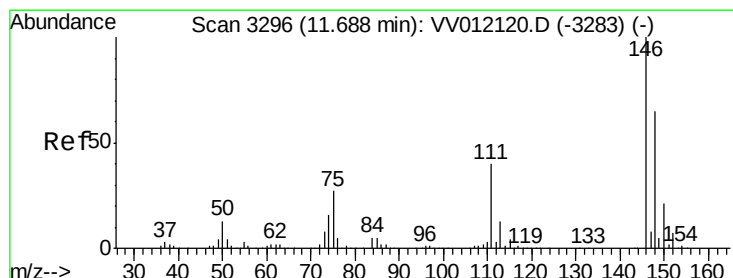
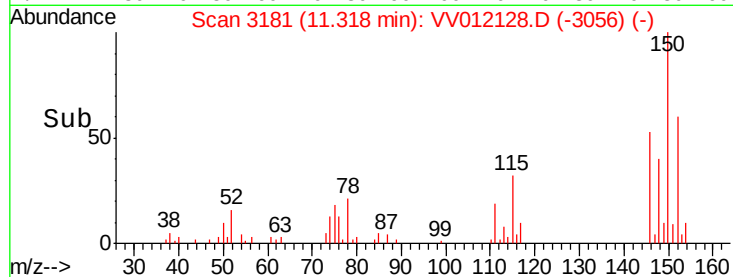
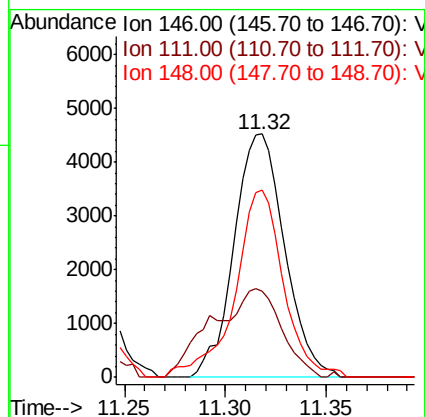
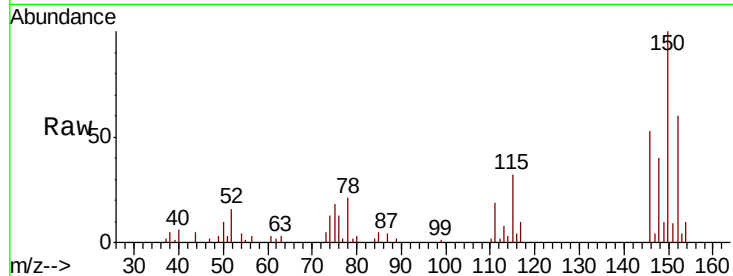




#65
 1,4-Dichlorobenzene
 Concen: 2.594 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012128.D
 Acq: 07 Aug 2019 15:22

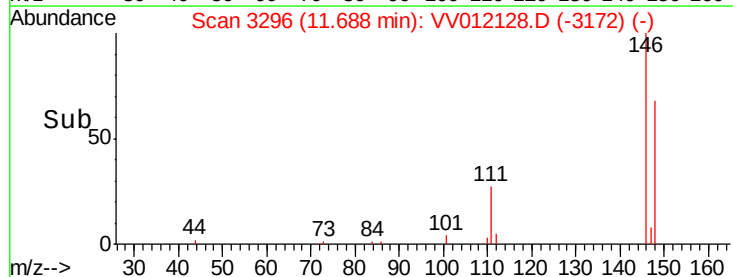
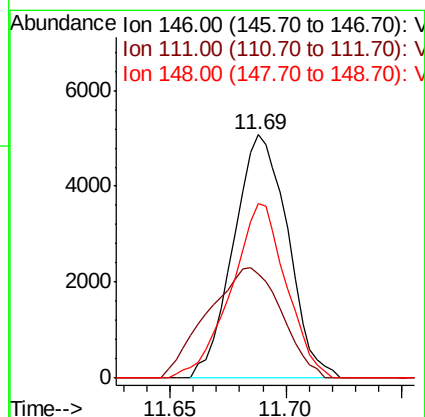
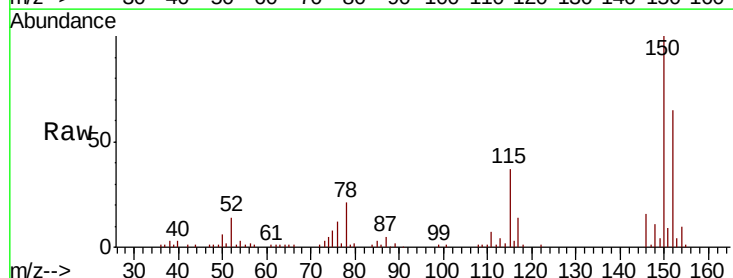
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

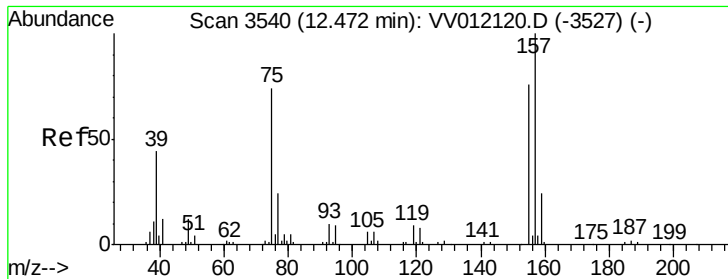
Tgt Ion:146 Resp: 7946
 Ion Ratio Lower Upper
 146 100
 111 35.4 25.8 47.8
 148 76.9 45.2 84.0



#67
 1,2-Dichlorobenzene
 Concen: 2.663 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012128.D
 Acq: 07 Aug 2019 15:22

Tgt Ion:146 Resp: 8234
 Ion Ratio Lower Upper
 146 100
 111 42.8 32.2 48.2
 148 71.9 53.2 79.8





#68

1,2-Dibromo-3-chloropropane

Concen: 2.366 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

Instrument :

MSVOA_V

ClientSampleId :

MDL05

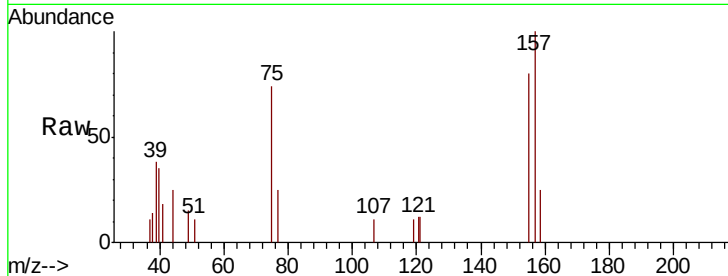
Tgt Ion: 75 Resp: 1162

Ion Ratio Lower Upper

75 100

155 109.4 81.2 121.8

157 135.9 102.3 153.5

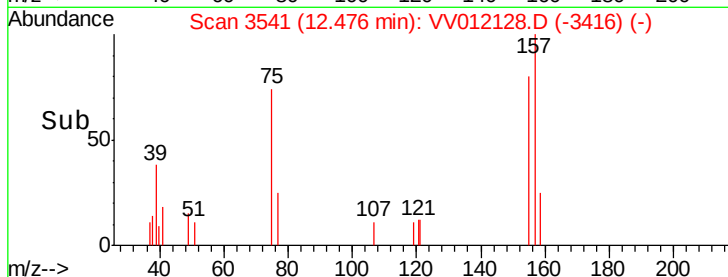


Abundance Ion 75.00 (74.70 to 75.70): VV012128.D (-3527) (-)

Ion 155.00 (154.70 to 155.70): VV012128.D (-3527) (-)

Ion 157.00 (156.70 to 157.70): VV012128.D (-3527) (-)

Time-->



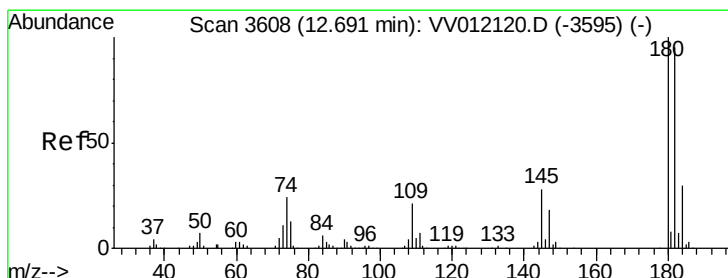
Abundance

Ion 75.00 (74.70 to 75.70): VV012128.D (-3527) (-)

Ion 155.00 (154.70 to 155.70): VV012128.D (-3527) (-)

Ion 157.00 (156.70 to 157.70): VV012128.D (-3527) (-)

Time-->



#69

1,3,5-Trichlorobenzene

Concen: 2.120 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. -0.00 min

Lab File: VV012128.D

Acq: 07 Aug 2019 15:22

Tgt Ion: 180 Resp: 5208

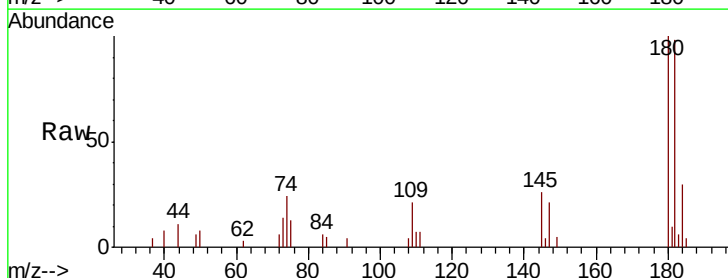
Ion Ratio Lower Upper

180 100

182 97.1 76.5 114.7

184 31.2 24.6 36.8

145 26.9 22.5 33.7



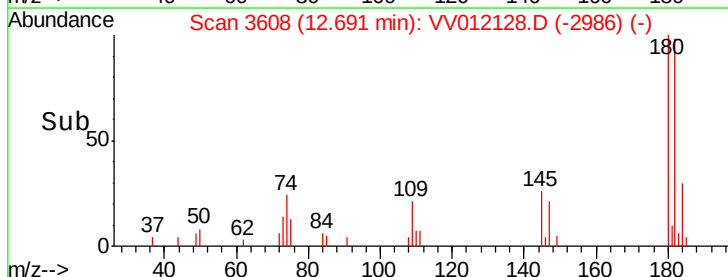
Abundance Ion 180.00 (179.70 to 180.70): VV012128.D (-3595) (-)

Ion 182.00 (181.70 to 182.70): VV012128.D (-3595) (-)

Ion 184.00 (183.70 to 184.70): VV012128.D (-3595) (-)

Ion 145.00 (144.70 to 145.70): VV012128.D (-3595) (-)

Time-->



Abundance

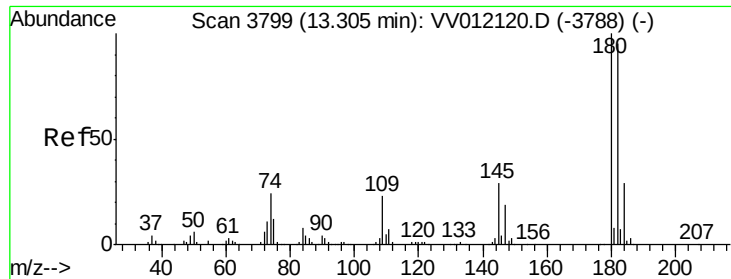
Ion 180.00 (179.70 to 180.70): VV012128.D (-3595) (-)

Ion 182.00 (181.70 to 182.70): VV012128.D (-3595) (-)

Ion 184.00 (183.70 to 184.70): VV012128.D (-3595) (-)

Ion 145.00 (144.70 to 145.70): VV012128.D (-3595) (-)

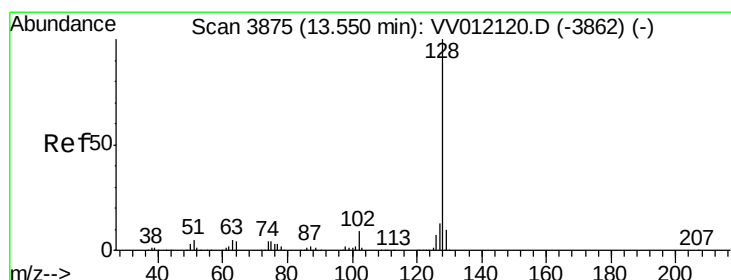
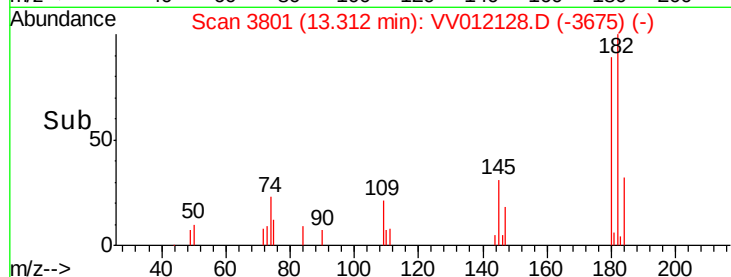
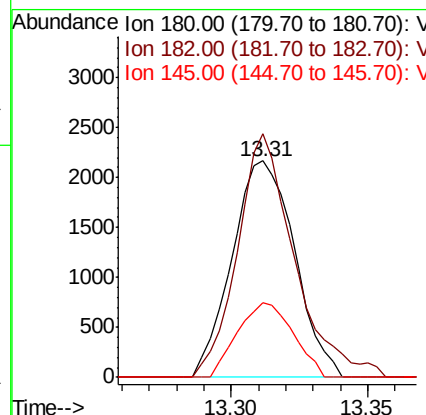
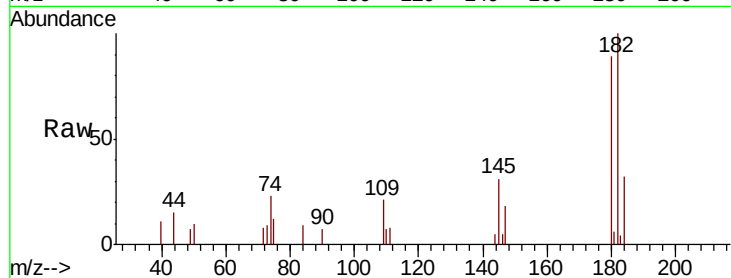
Time-->



#70
1,2,4-trichlorobenzene
Concen: 1.621 ug/L
RT: 13.31 min Scan# 3801
Delta R.T. 0.01 min
Lab File: VV012128.D
Acq: 07 Aug 2019 15:22

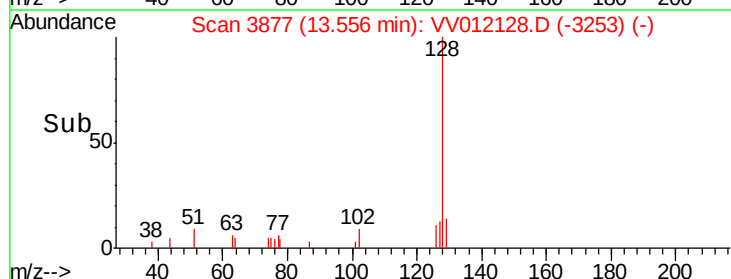
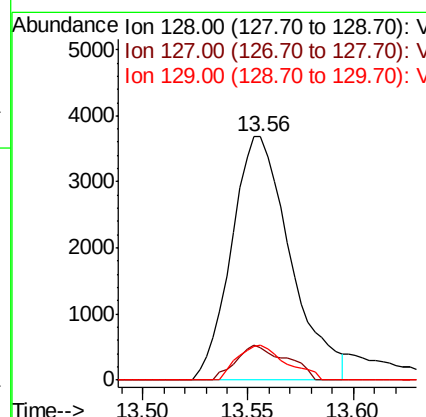
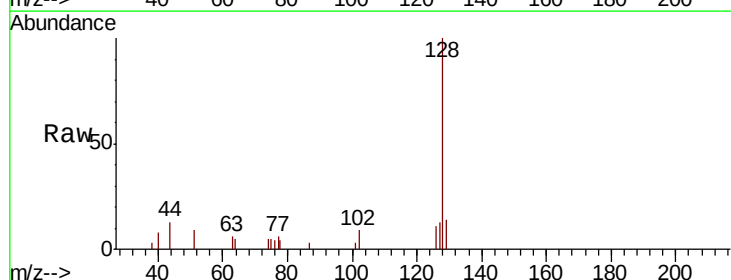
Instrument :
MSVOA_V
ClientSampled :
MDL05

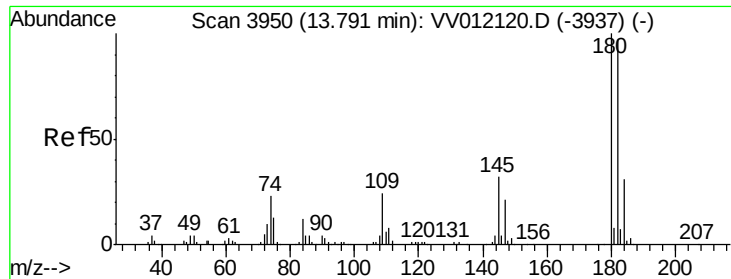
Tgt Ion:180 Resp: 3452
Ion Ratio Lower Upper
180 100
182 101.0 76.5 114.7
145 30.5 23.3 34.9



#71
Naphthalene
Concen: 1.322 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.01 min
Lab File: VV012128.D
Acq: 07 Aug 2019 15:22

Tgt Ion:128 Resp: 7138
Ion Ratio Lower Upper
128 100
127 12.2 10.6 15.8
129 11.9 8.6 12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 1.641 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV012128.D
 Acq: 07 Aug 2019 15:22

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion	Resp	Lower	Upper
180	3518		
182	100	77.2	115.8
145	30.4	24.6	36.8

