

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080719\
 Data File : VV012127.D
 Acq On : 07 Aug 2019 14:58
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00g/5.0mL/100uL/5mL/MSVOA_V/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Quant Time: Aug 08 01:16:28 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	220041	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	203680	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	98362	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57270	47.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.22%
7) Chloroethane-d5	1.58	69	38141	44.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.34%
11) 1,1-Dichloroethene-d2	2.13	63	71712	34.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.78%
21) 2-Butanone-d5	3.92	46	88486	100.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.97%
24) Chloroform-d	4.40	84	148879	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.66%
26) 1,2-Dichloroethane-d4	5.08	65	103686	53.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.96%
32) Benzene-d6	5.10	84	286966	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.92%
36) 1,2-Dichloropropane-d6	6.12	67	82493	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.18%
41) Toluene-d8	7.36	98	278755	49.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.66%
43) trans-1,3-Dichloropropene-	7.66	79	48350	50.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.18%
47) 2-Hexanone-d5	8.13	63	74317	105.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.39%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	124593	52.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.12%
66) 1,2-Dichlorobenzene-d4	11.67	152	127046	54.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4960	3.191 ug/L	93
3) Chloromethane	1.25	50	4028	3.650 ug/L	98
5) Vinyl chloride	1.33	62	2912	2.734 ug/L #	48
6) Bromomethane	1.53	94	1654	2.675 ug/L	76
8) Chloroethane	1.60	64	1603	2.873 ug/L	93
9) Trichlorofluoromethane	1.77	101	4687	2.706 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2854	3.362 ug/L #	79
12) 1,1-Dichloroethene	2.14	96	2613	3.268 ug/L #	1
13) Acetone	2.18	43	2668	4.465 ug/L	97
14) Carbon disulfide	2.32	76	6474	2.396 ug/L #	95
15) Methyl Acetate	2.46	43	2607	2.493 ug/L	98
16) Methylene chloride	2.54	84	3204	2.641 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	2881	2.552 ug/L	90
18) Methyl tert-butyl Ether	2.80	73	10545	2.719 ug/L	100
19) 1,1-Dichloroethane	3.23	63	5280	2.565 ug/L	93
20) cis-1,2-Dichloroethene	3.96	96	3661	2.753 ug/L	97
23) Bromochloromethane	4.30	128	1949	2.666 ug/L	82

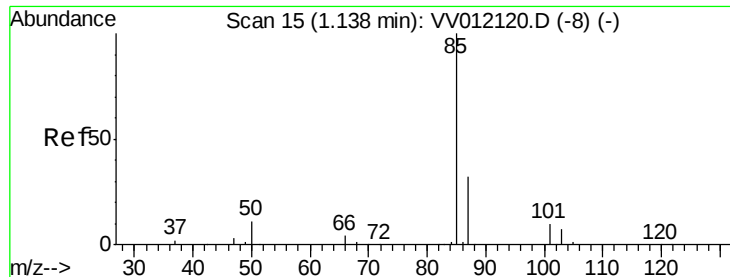
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080719\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.43	83	10796	4.627	ug/L	97
27) 1,2-Dichloroethane	5.18	62	5571	3.072	ug/L	99
29) Cyclohexane	4.73	56	4439	2.606	ug/L	93
30) 1,1,1-Trichloroethane	4.66	97	6155	2.845	ug/L #	84
31) Carbon tetrachloride	4.88	117	5529	2.755	ug/L	91
33) Benzene	5.15	78	11721	2.500	ug/L	100
34) Trichloroethene	5.96	95	3517	2.699	ug/L	93
35) Methylcyclohexane	6.17	83	4949	2.551	ug/L	93
37) 1,2-Dichloropropane	6.22	63	3469	3.033	ug/L #	90
38) Bromodichloromethane	6.55	83	4615	2.565	ug/L	93
39) cis-1,3-Dichloropropene	7.07	75	5052	2.506	ug/L	88
40) 4-Methyl-2-pentanone	7.27	43	7783	5.288	ug/L	98
42) Toluene	7.43	91	14272	2.739	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	4913	2.581	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	3326	2.698	ug/L	95
46) Tetrachloroethene	8.02	164	3046	2.509	ug/L	92
48) 2-Hexanone	8.18	43	6233	5.617	ug/L #	92
49) Dibromochloromethane	8.29	129	4400	2.751	ug/L	99
50) 1,2-Dibromoethane	8.40	107	3594	2.636	ug/L #	92
51) Chlorobenzene	8.92	112	9546	2.718	ug/L	94
52) Ethylbenzene	9.05	91	14688	2.513	ug/L	98
53) m,p-Xylene	9.18	106	5834	2.587	ug/L	87
54) o-Xylene	9.59	106	6085	2.719	ug/L	91
55) Styrene	9.60	104	9449	2.507	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.28	83	6050	3.191	ug/L #	89
59) Bromoform	9.78	173	3424	2.968	ug/L #	93
60) Isopropylbenzene	9.97	105	15264	2.835	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	4369	3.271	ug/L	96
62) 1,3,5-Trimethylbenzene	10.58	105	12206	2.622	ug/L	100
63) 1,2,4-Trimethylbenzene	10.96	105	12377	2.694	ug/L	99
64) 1,3-Dichlorobenzene	11.23	146	7610	2.801	ug/L	96
65) 1,4-Dichlorobenzene	11.32	146	7552	2.750	ug/L	91
67) 1,2-Dichlorobenzene	11.69	146	8701	3.139	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.48	75	1231	2.797	ug/L #	87
69) 1,3,5-Trichlorobenzene	12.69	180	5491	2.493	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	3863	2.023	ug/L	94
71) Naphthalene	13.55	128	8097	1.673	ug/L #	93
72) 1,2,3-Trichlorobenzene	13.79	180	3965	2.063	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 3.191 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

Instrument :

MSVOA_V

ClientSampled :

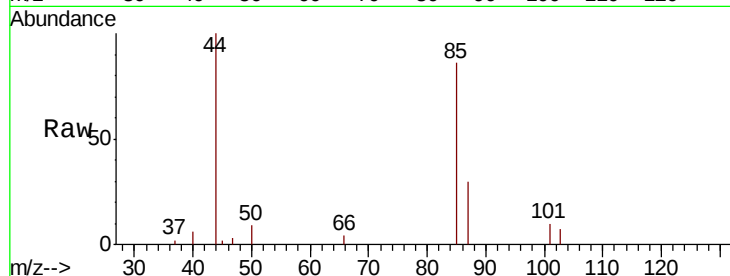
MDL04

Tgt Ion: 85 Resp: 4960

Ion Ratio Lower Upper

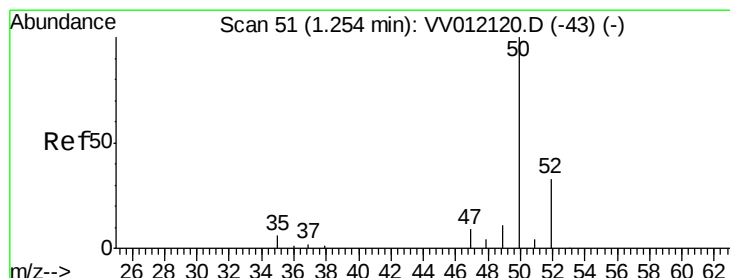
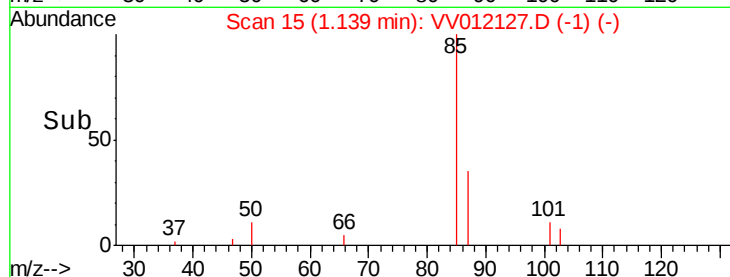
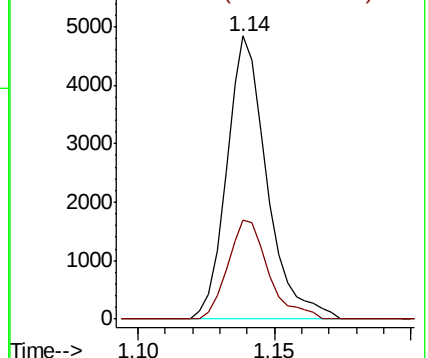
85 100

87 35.3 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: 3.650 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012127.D

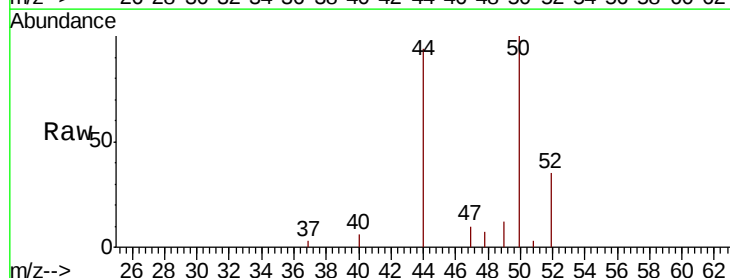
Acq: 07 Aug 2019 14:58

Tgt Ion: 50 Resp: 4028

Ion Ratio Lower Upper

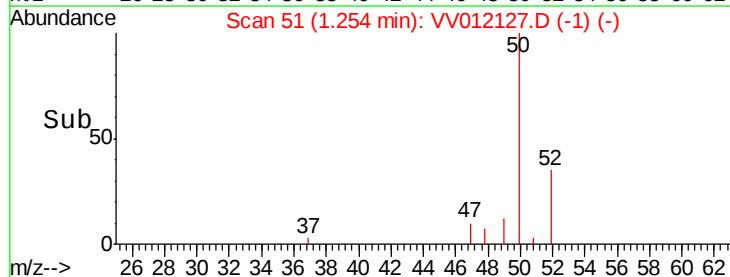
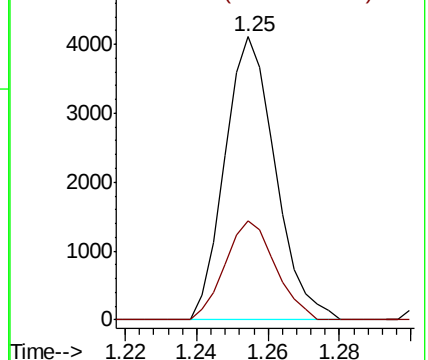
50 100

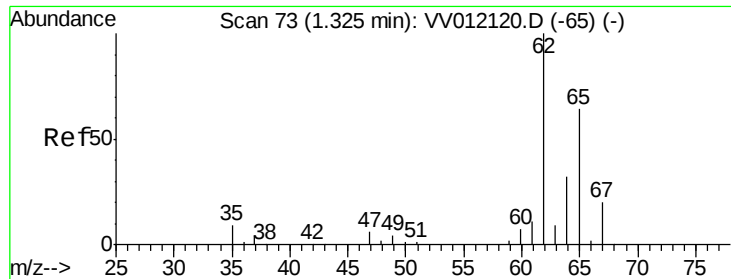
52 35.0 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.734 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

Instrument :

MSVOA_V

ClientSampled :

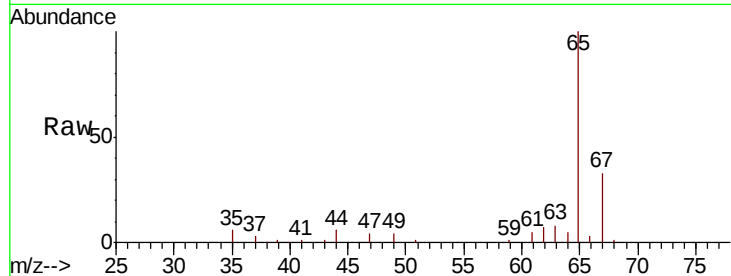
MDL04

Tgt Ion: 62 Resp: 2912

Ion Ratio Lower Upper

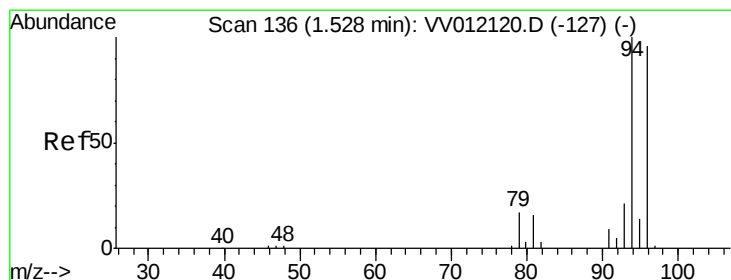
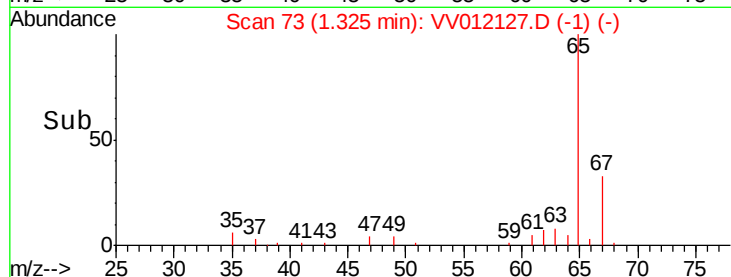
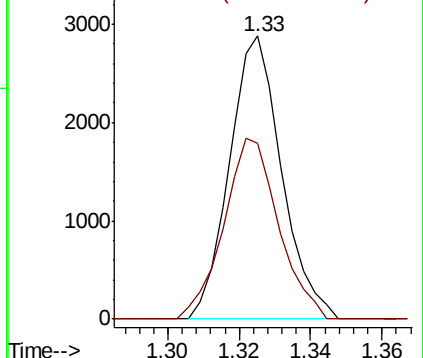
62 100

64 62.0 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: 2.675 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV012127.D

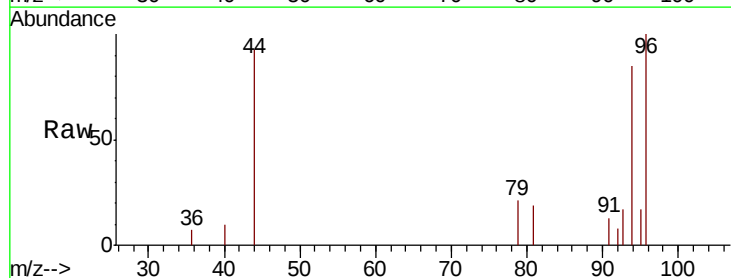
Acq: 07 Aug 2019 14:58

Tgt Ion: 94 Resp: 1654

Ion Ratio Lower Upper

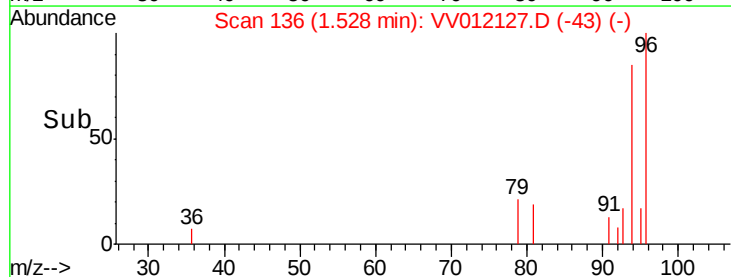
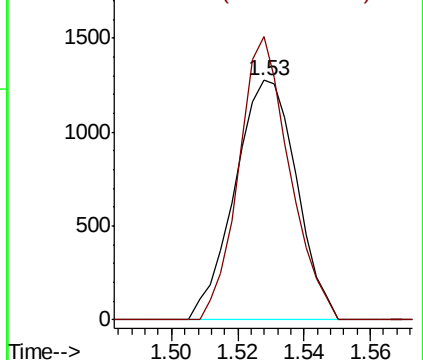
94 100

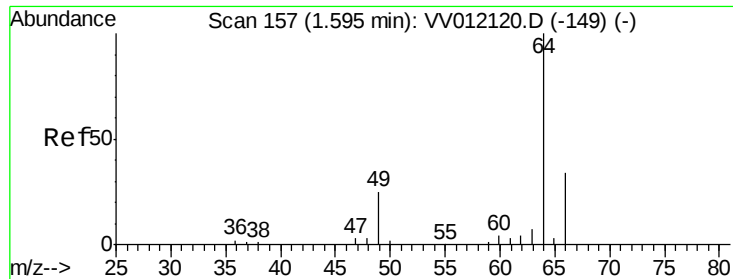
96 118.3 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

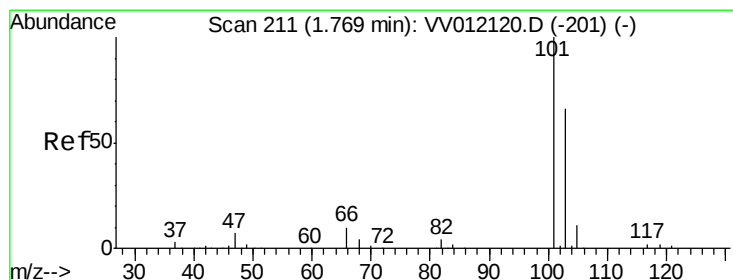
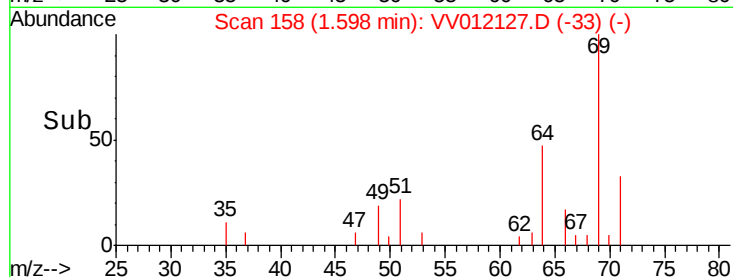
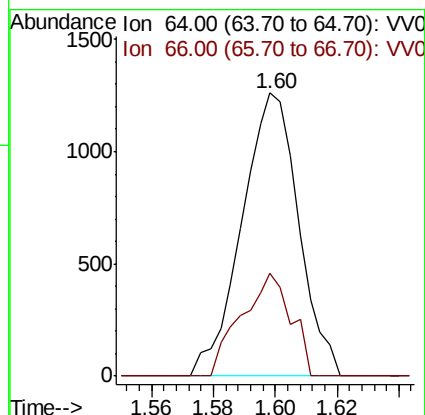
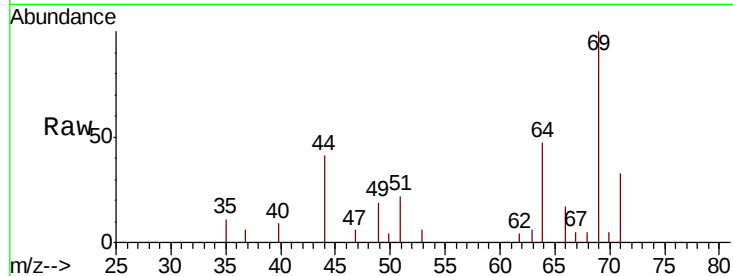




#8
 Chloroethane
 Concen: 2.873 ug/L
 RT: 1.60 min Scan# 158
 Delta R.T. 0.00 min
 Lab File: VV012127.D
 Acq: 07 Aug 2019 14:58

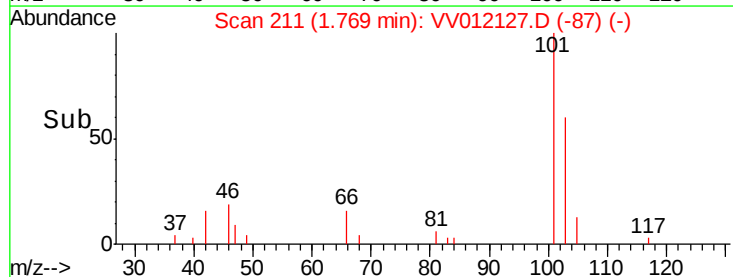
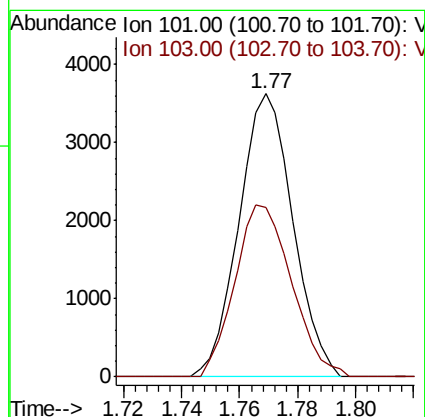
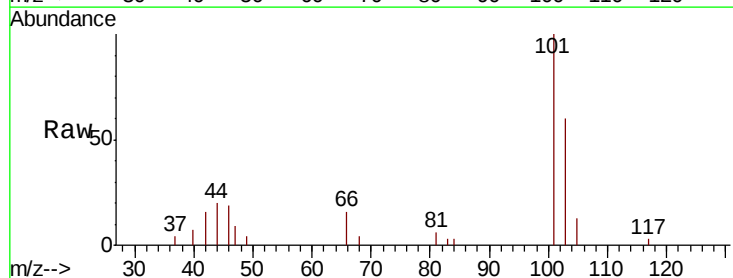
Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

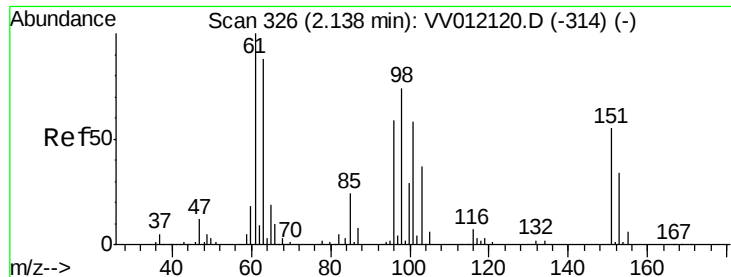
Tgt Ion: 64 Resp: 1603
 Ion Ratio Lower Upper
 64 100
 66 36.2 22.6 42.0



#9
 Trichlorofluoromethane
 Concen: 2.706 ug/L
 RT: 1.77 min Scan# 211
 Delta R.T. 0.00 min
 Lab File: VV012127.D
 Acq: 07 Aug 2019 14:58

Tgt Ion: 101 Resp: 4687
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.5 78.7





#10

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

Concen: 3.362 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

Instrument :

MSVOA_V

ClientSampleId :

MDL04

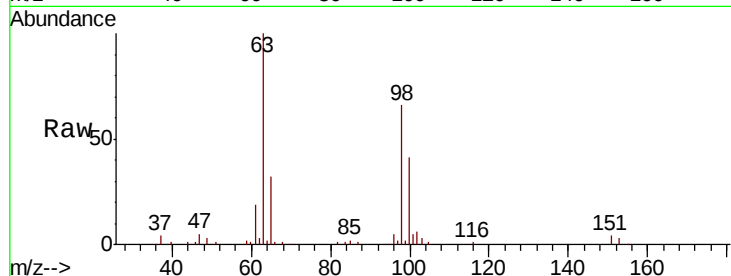
Tgt Ion:101 Resp: 2854

Ion Ratio Lower Upper

101 100

85 34.7 34.4 51.6

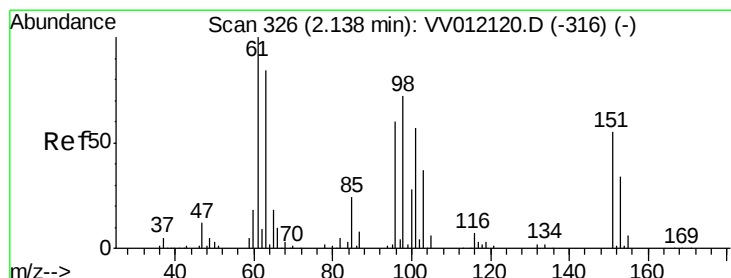
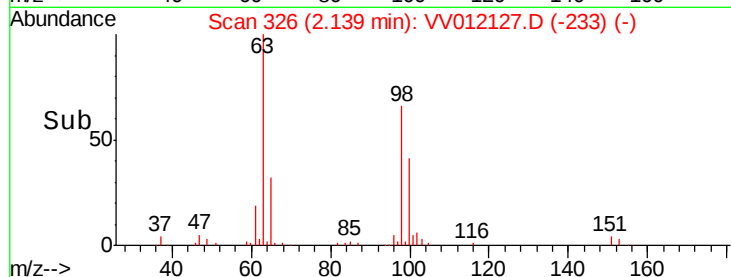
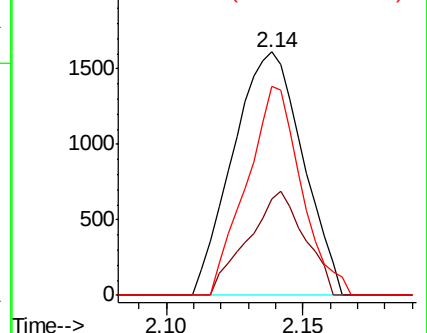
151 67.4 72.2 108.2#



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: 3.268 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

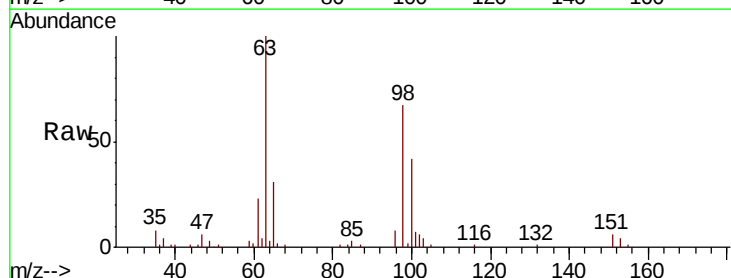
Tgt Ion: 96 Resp: 2613

Ion Ratio Lower Upper

96 100

61 290.0 120.0 223.0#

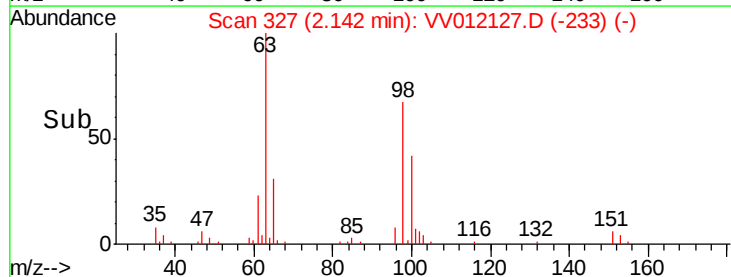
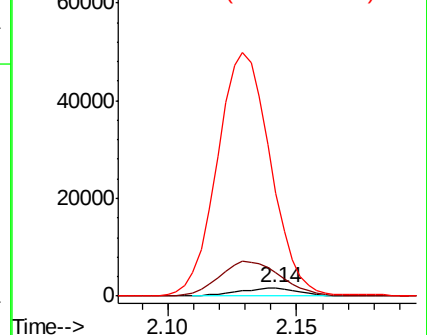
63 1264.0 98.3 182.7#

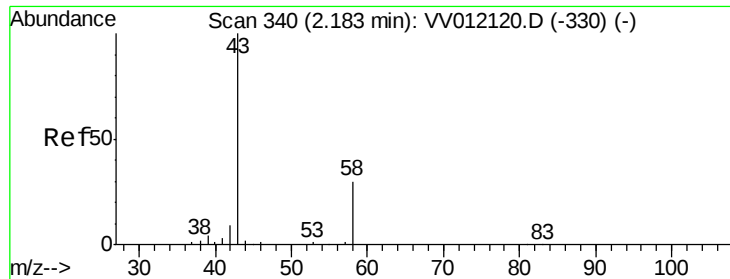


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.465 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

Instrument :

MSVOA_V

ClientSampled :

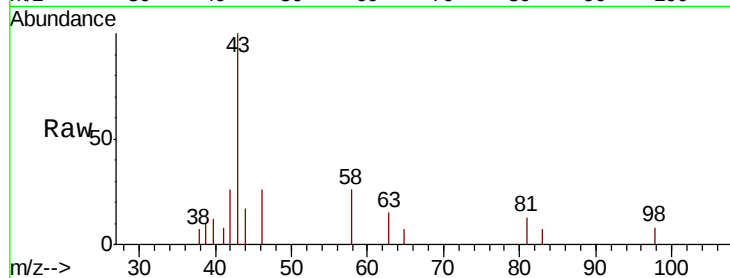
MDL04

Tgt Ion: 43 Resp: 2668

Ion Ratio Lower Upper

43 100

58 27.8 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.18

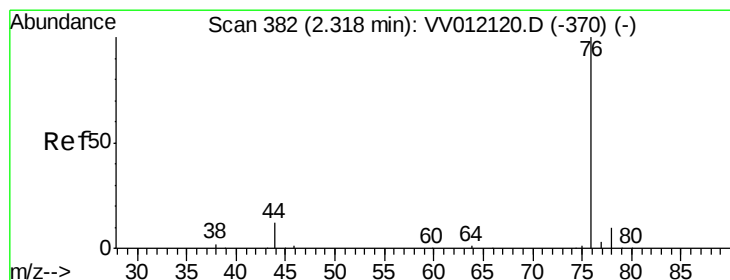
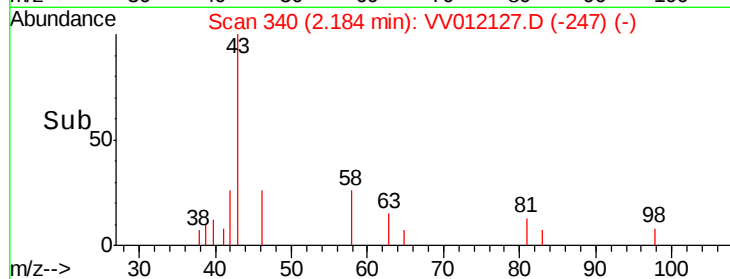
1500

1000

500

0

Time-->



#14

Carbon disulfide

Concen: 2.396 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012127.D

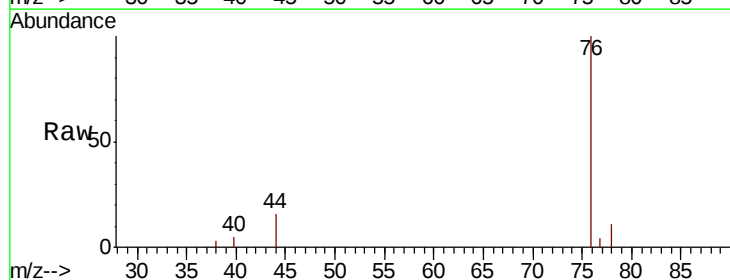
Acq: 07 Aug 2019 14:58

Tgt Ion: 76 Resp: 6474

Ion Ratio Lower Upper

76 100

78 10.9 7.1 10.7#



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

5000

4000

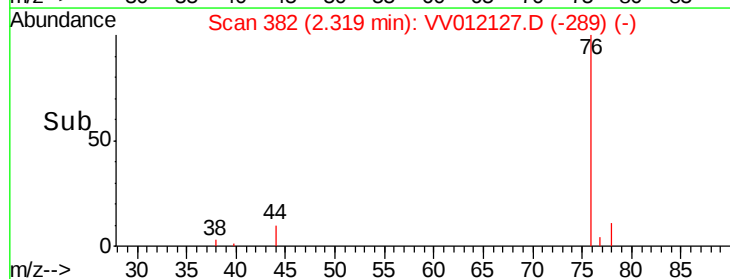
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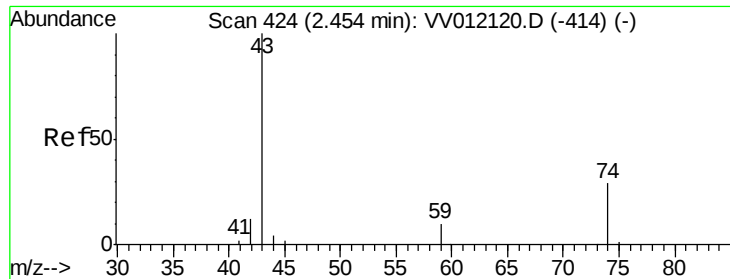
2000

1000

0

Time-->

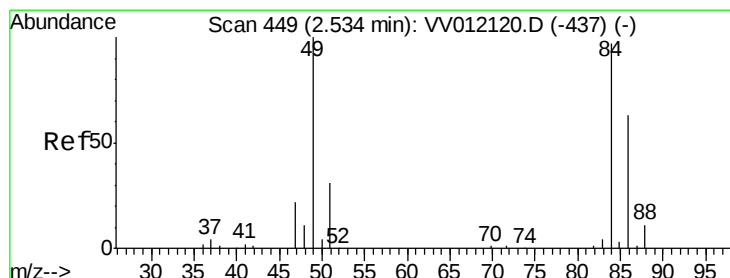
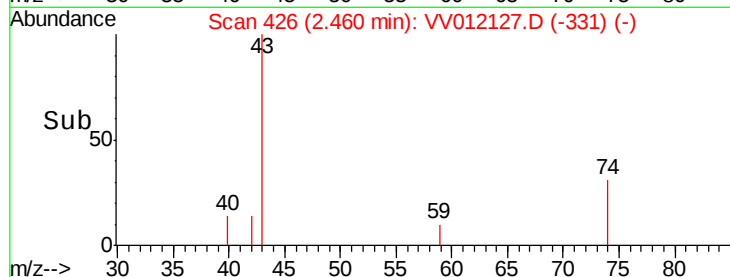
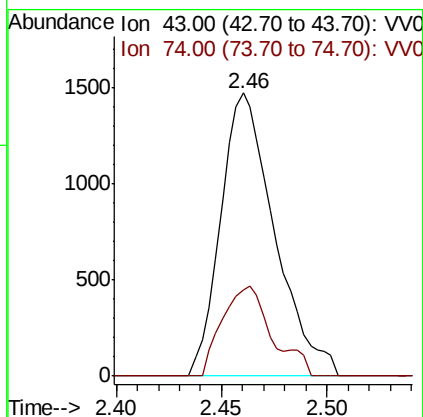
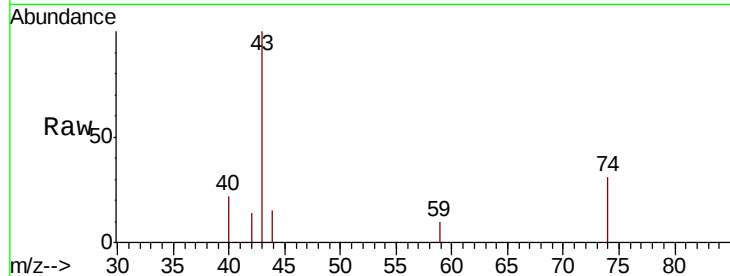




#15
Methyl Acetate
Concen: 2.493 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV012127.D
Acq: 07 Aug 2019 14:58

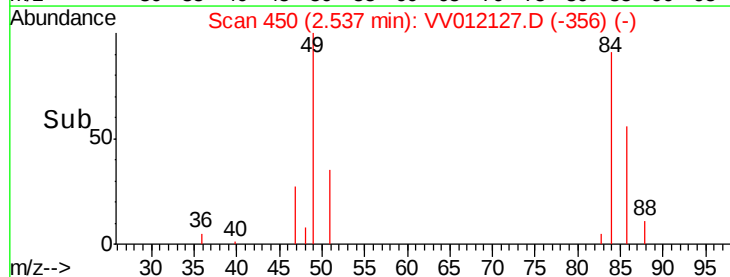
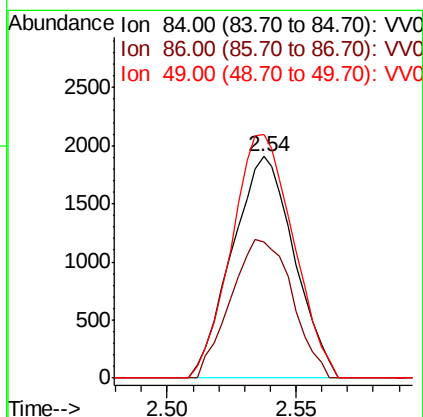
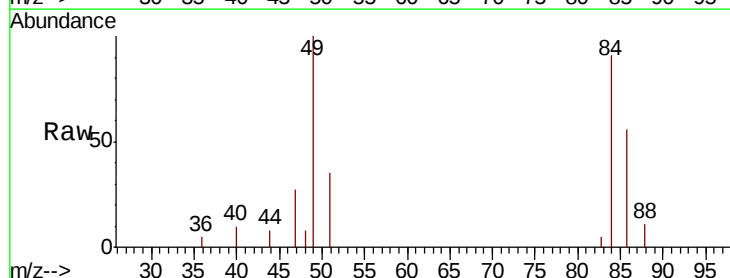
Instrument :
MSVOA_V
ClientSampleId :
MDL04

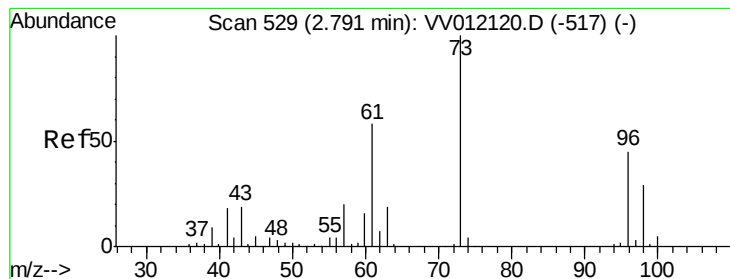
Tgt Ion: 43 Resp: 2607
Ion Ratio Lower Upper
43 100
74 26.4 21.8 32.6



#16
Methylene chloride
Concen: 2.641 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012127.D
Acq: 07 Aug 2019 14:58

Tgt Ion: 84 Resp: 3204
Ion Ratio Lower Upper
84 100
86 61.5 45.7 84.9
49 109.9 76.6 142.2





#17

trans-1,2-Dichloroethene

Concen: 2.552 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

Instrument :

MSVOA_V

ClientSampleId :

MDL04

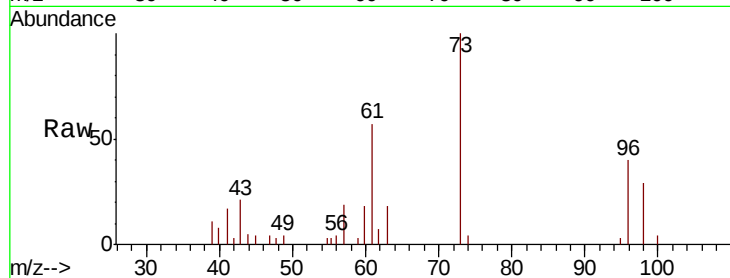
Tgt Ion: 96 Resp: 2881

Ion Ratio Lower Upper

96 100

61 141.0 90.6 168.3

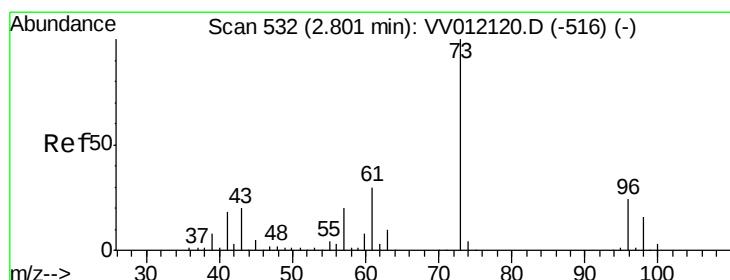
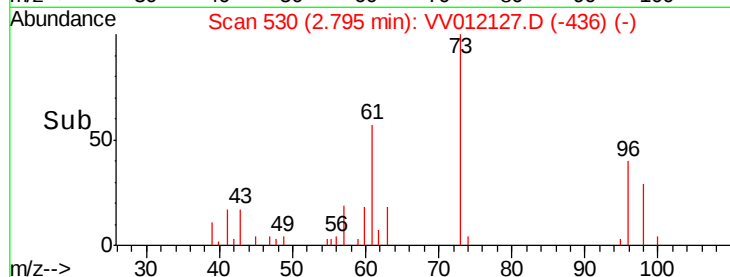
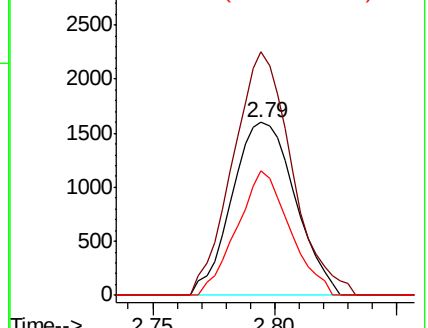
98 72.1 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VV012127.D (-436) (-)

Ion 61.00 (60.70 to 61.70): VV012127.D (-436) (-)

Ion 98.00 (97.70 to 98.70): VV012127.D (-436) (-)



#18

Methyl tert-butyl Ether

Concen: 2.719 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

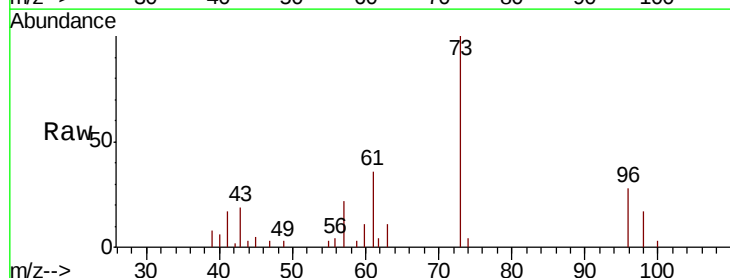
Tgt Ion: 73 Resp: 10545

Ion Ratio Lower Upper

73 100

43 19.8 15.6 23.4

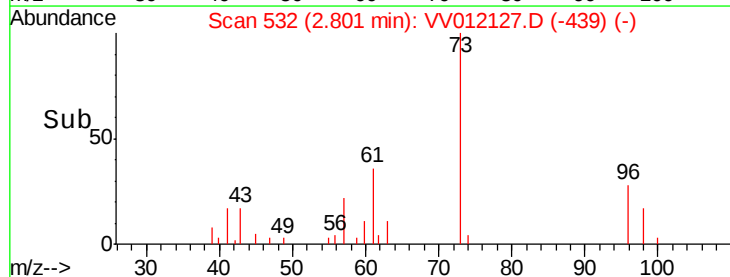
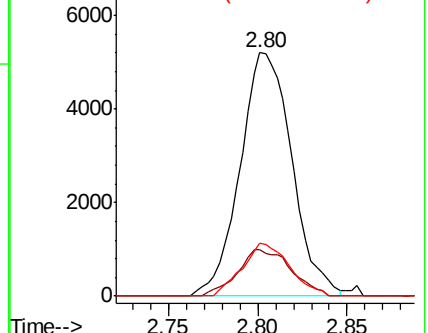
57 20.0 16.0 24.0

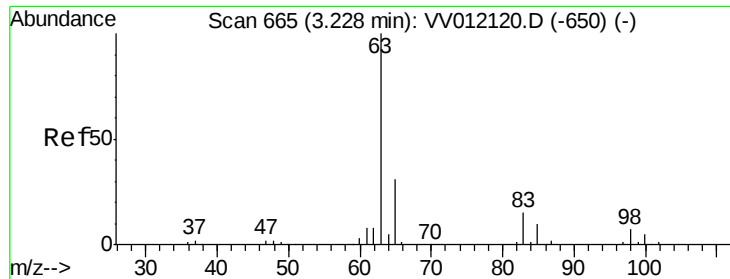


Abundance Ion 73.00 (72.70 to 73.70): VV012127.D (-439) (-)

Ion 43.00 (42.70 to 43.70): VV012127.D (-439) (-)

Ion 57.00 (56.70 to 57.70): VV012127.D (-439) (-)

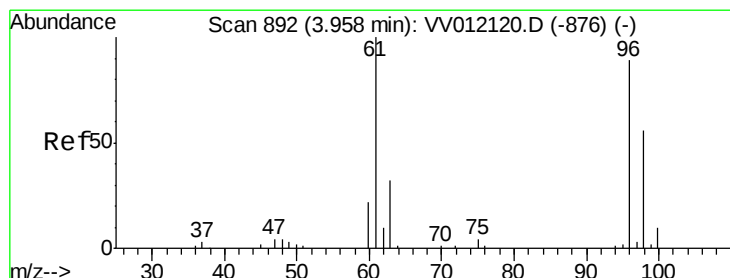
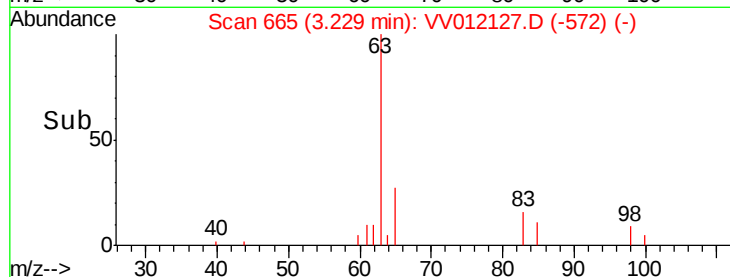
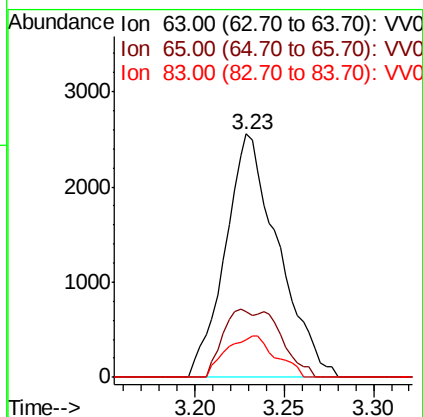
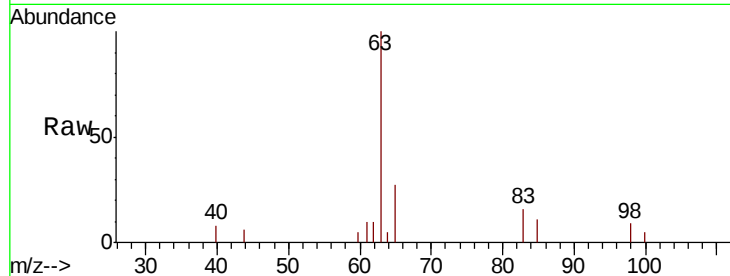




#19
 1,1-Dichloroethane
 Concen: 2.565 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012127.D
 Acq: 07 Aug 2019 14:58

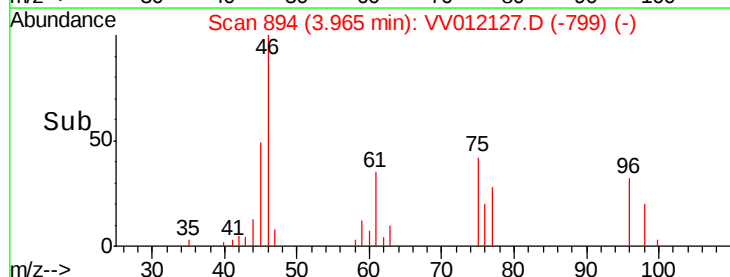
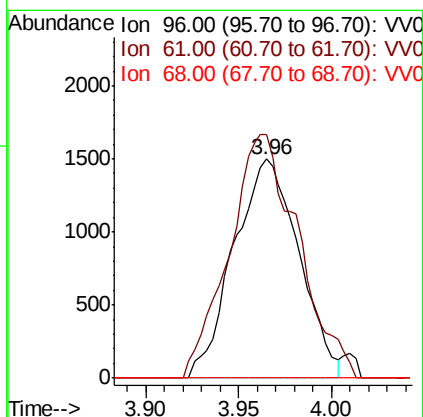
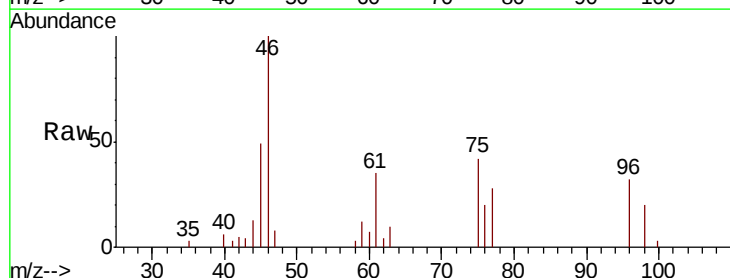
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

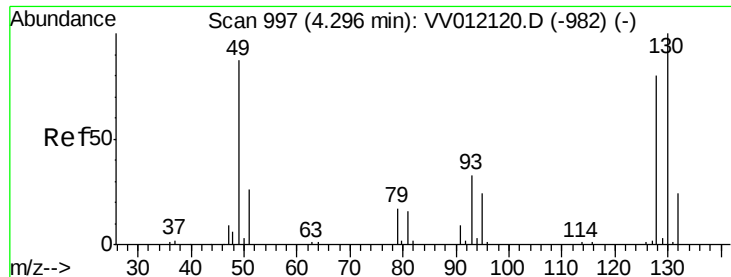
Tgt Ion: 63 Resp: 5280
 Ion Ratio Lower Upper
 63 100
 65 26.9 22.3 41.3
 83 15.5 10.3 19.1



#20
 cis-1,2-Dichloroethene
 Concen: 2.753 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV012127.D
 Acq: 07 Aug 2019 14:58

Tgt Ion: 96 Resp: 3661
 Ion Ratio Lower Upper
 96 100
 61 111.2 80.0 148.6
 68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 2.666 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tgt Ion:128 Resp: 1949

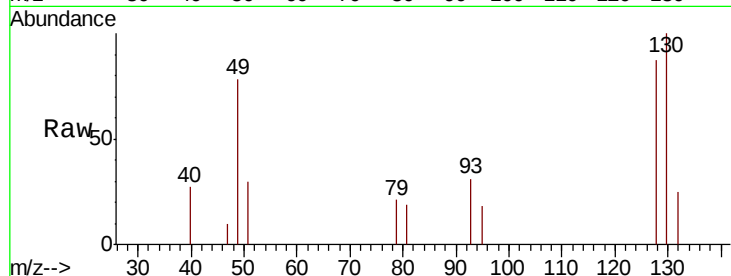
Ion Ratio Lower Upper

128 100

49 89.8 84.6 157.2

130 115.1 89.9 167.0

51 34.6 30.5 45.7

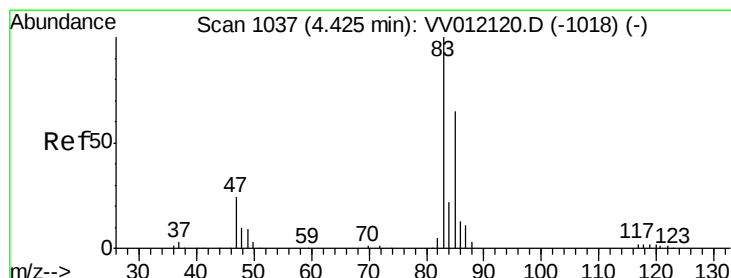
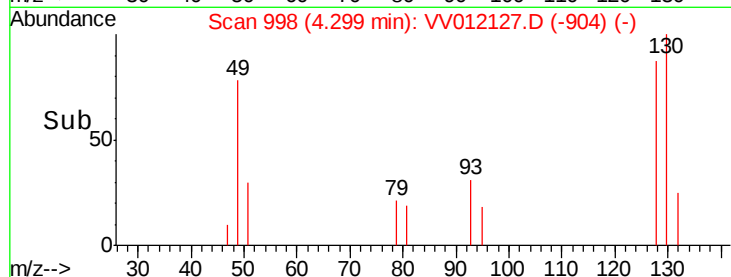
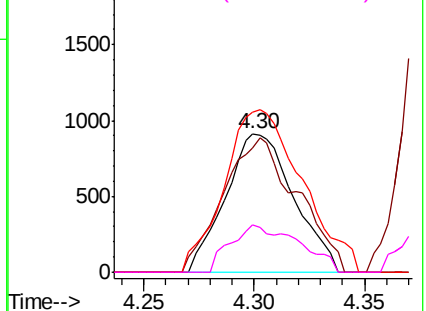


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 4.627 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012127.D

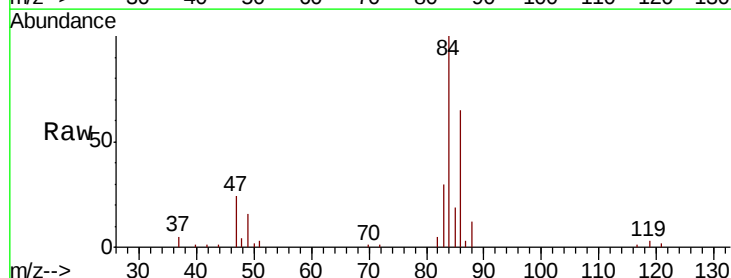
Acq: 07 Aug 2019 14:58

Tgt Ion: 83 Resp: 10796

Ion Ratio Lower Upper

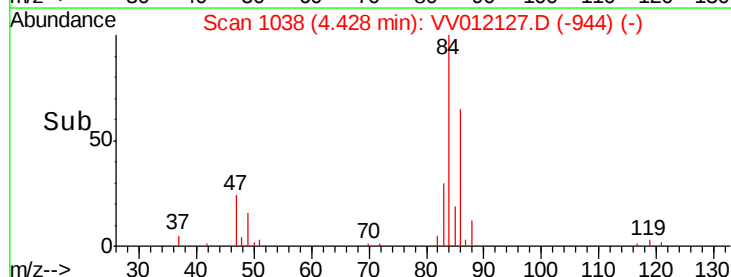
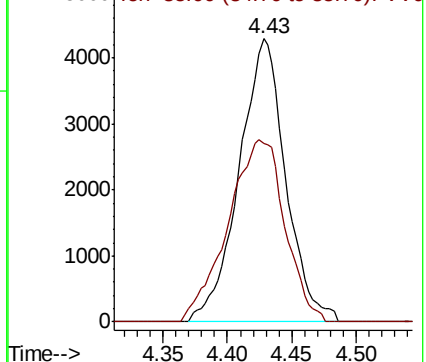
83 100

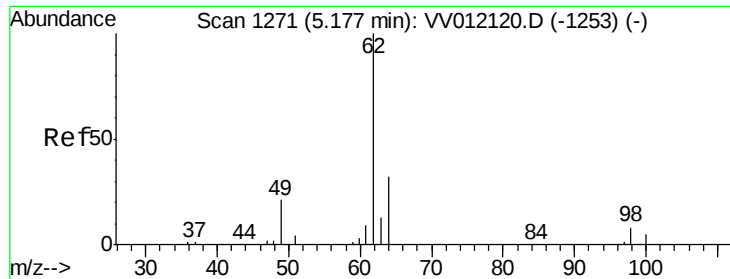
85 63.0 45.8 85.2



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

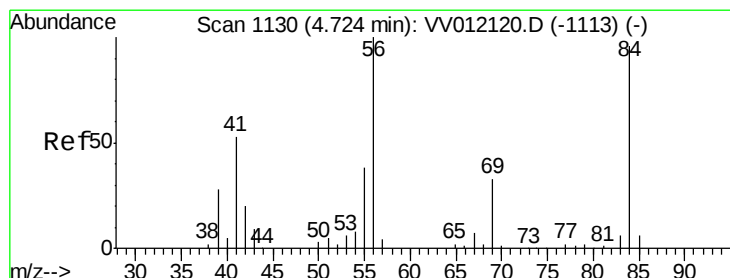
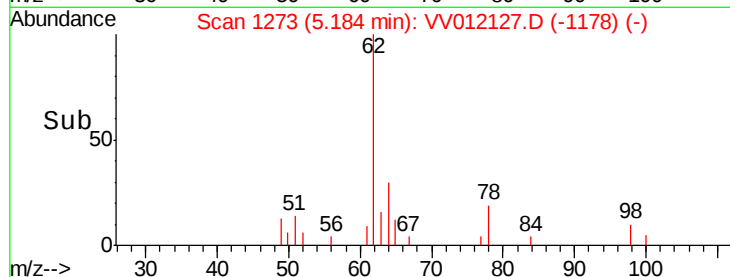
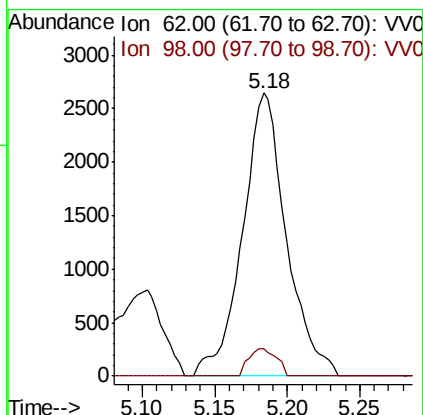
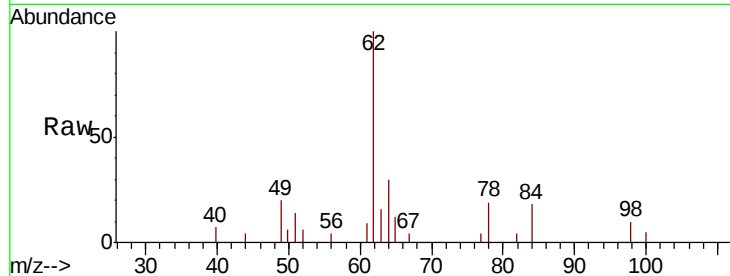




#27
 1,2-Dichloroethane
 Concen: 3.072 ug/L
 RT: 5.18 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VV012127.D
 Acq: 07 Aug 2019 14:58

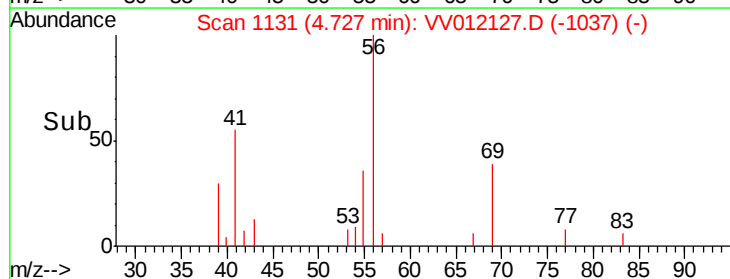
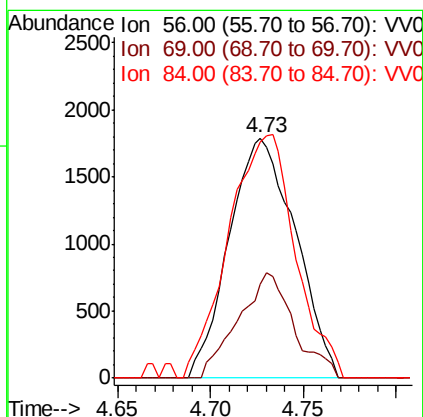
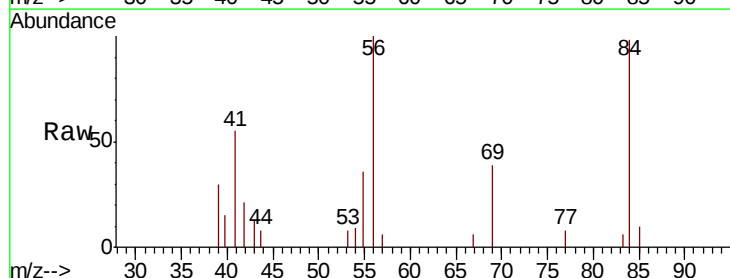
Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

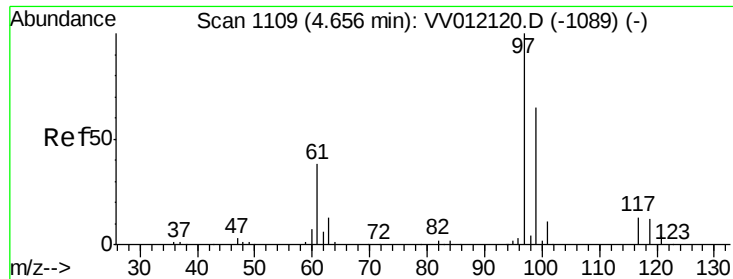
Tgt Ion: 62 Resp: 5571
 Ion Ratio Lower Upper
 62 100
 98 9.6 7.5 11.3



#29
 Cyclohexane
 Concen: 2.606 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV012127.D
 Acq: 07 Aug 2019 14:58

Tgt Ion: 56 Resp: 4439
 Ion Ratio Lower Upper
 56 100
 69 34.2 25.8 38.8
 84 102.4 76.0 114.0

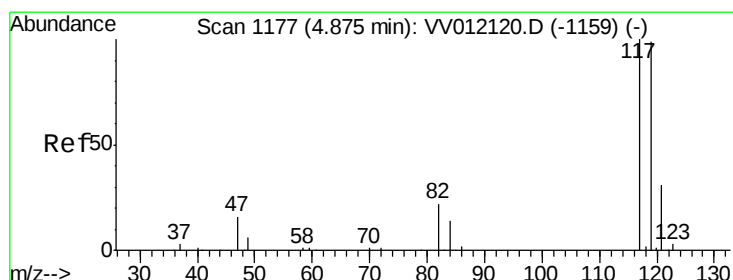
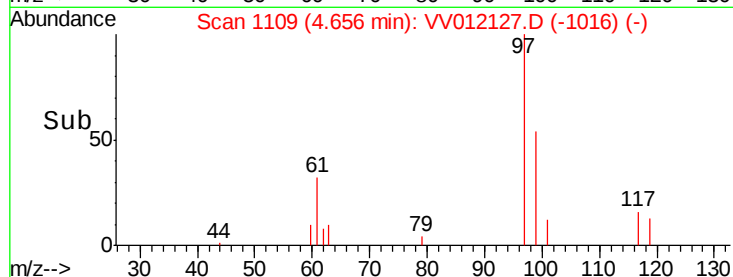
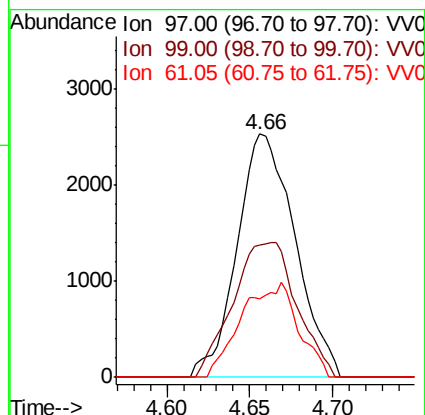
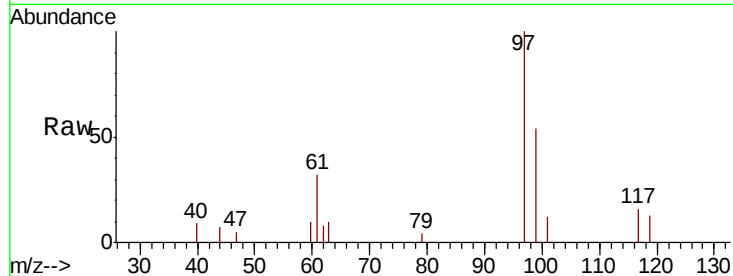




#30
 1,1,1-Trichloroethane
 Concen: 2.845 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012127.D
 Acq: 07 Aug 2019 14:58

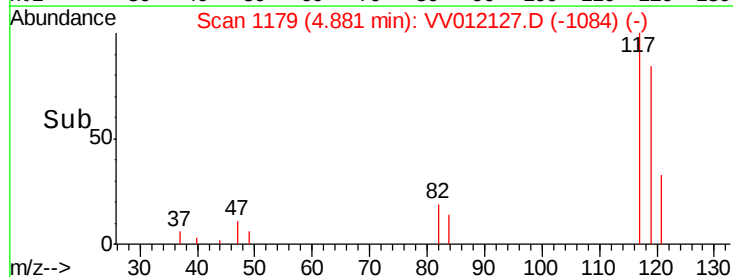
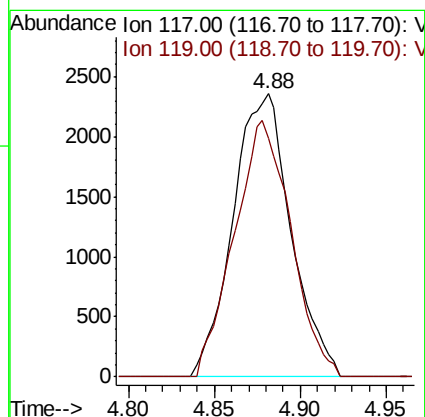
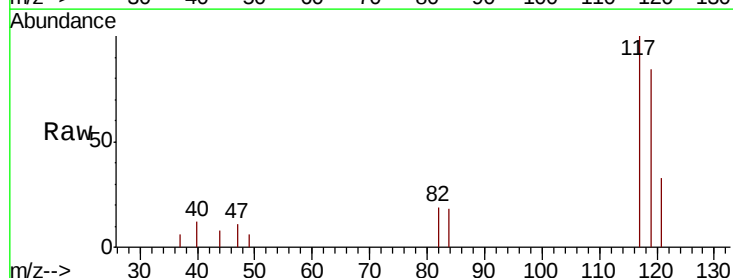
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

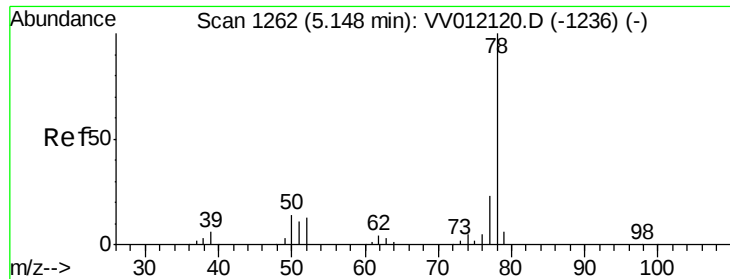
Tgt Ion: 97 Resp: 6155
 Ion Ratio Lower Upper
 97 100
 99 61.3 51.1 76.7
 61 16.1 31.3 46.9#



#31
 Carbon tetrachloride
 Concen: 2.755 ug/L
 RT: 4.88 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VV012127.D
 Acq: 07 Aug 2019 14:58

Tgt Ion: 117 Resp: 5529
 Ion Ratio Lower Upper
 117 100
 119 88.4 78.2 117.4





#33

Benzene

Concen: 2.500 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

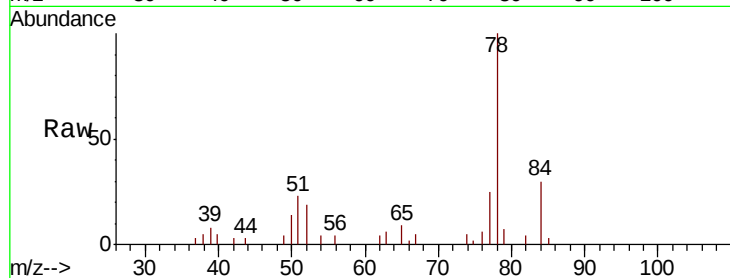
Instrument :

MSVOA_V

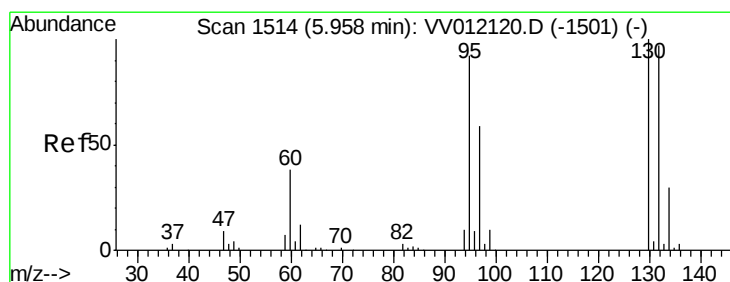
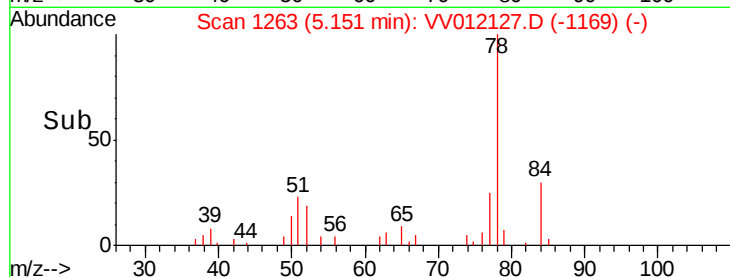
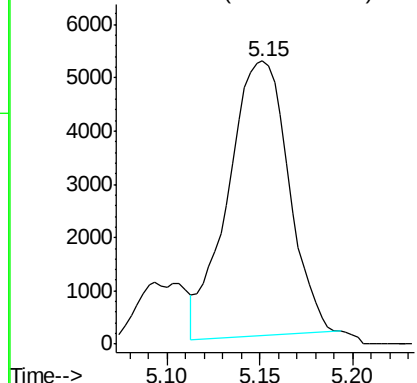
ClientSampled :

MDL04

Tgt Ion: 78 Resp: 11721



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2.699 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

Tgt Ion: 95 Resp: 3517

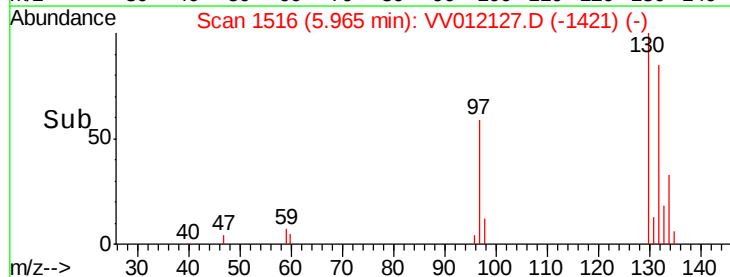
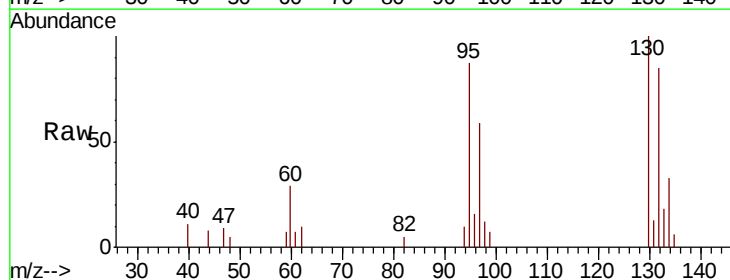
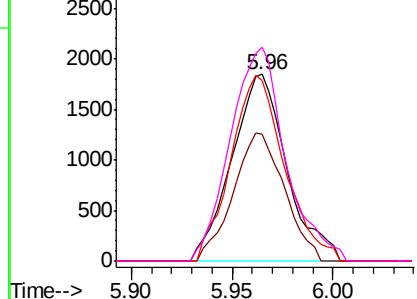
Ion	Ratio	Lower	Upper
95	100		
97	67.6	43.4	80.6
132	96.8	73.1	135.8
130	114.3	75.3	139.8

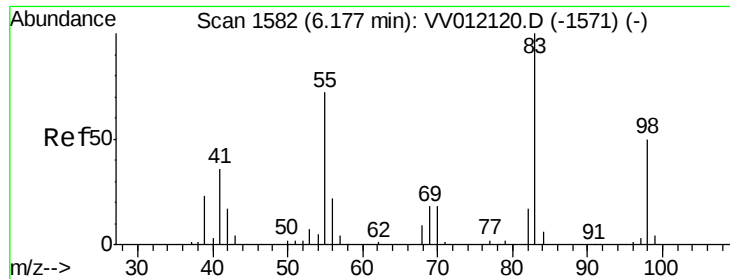
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

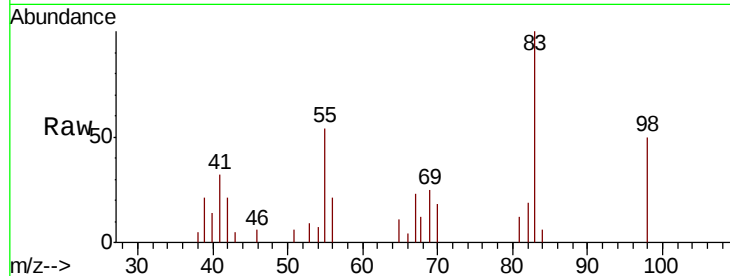




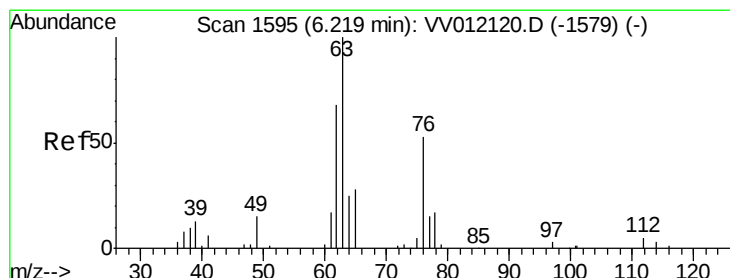
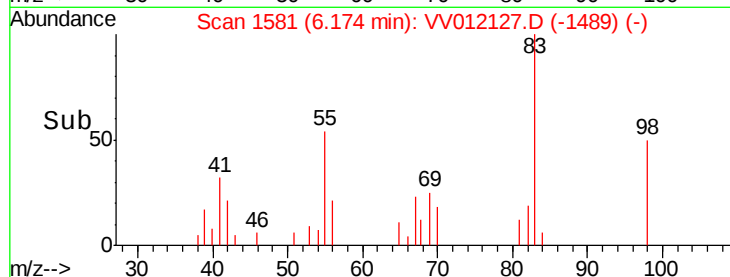
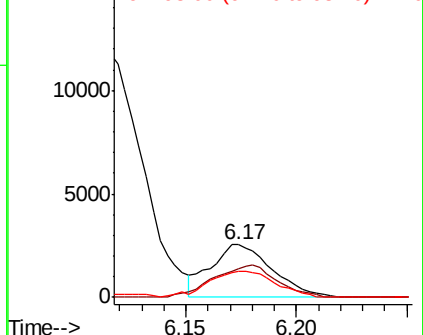
#35
Methylcyclohexane
Concen: 2.551 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV012127.D
Acq: 07 Aug 2019 14:58

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tgt Ion: 83 Resp: 4949
Ion Ratio Lower Upper
83 100
55 62.2 55.5 83.3
98 51.0 38.5 57.7

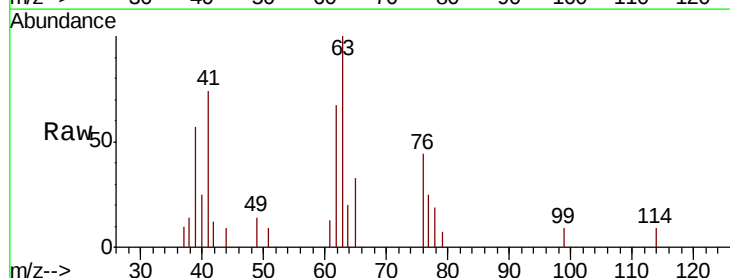


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

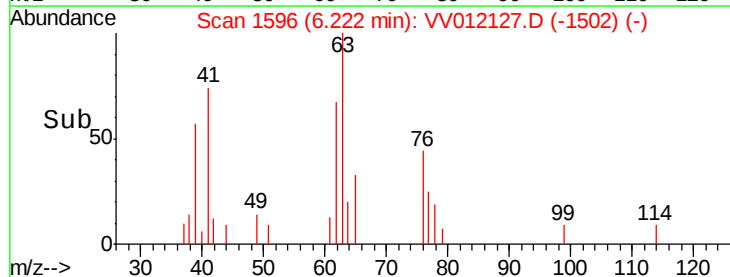
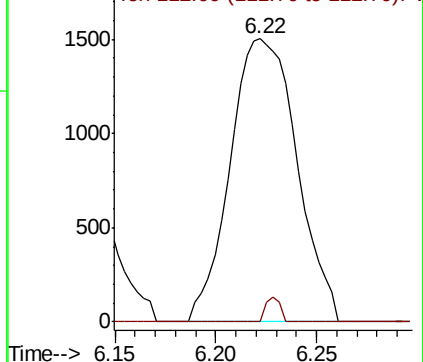


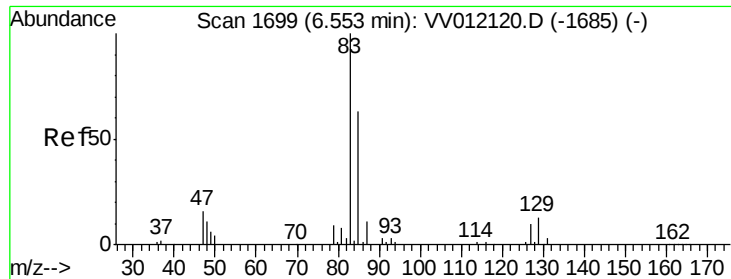
#37
1,2-Dichloropropane
Concen: 3.033 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV012127.D
Acq: 07 Aug 2019 14:58

Tgt Ion: 63 Resp: 3469
Ion Ratio Lower Upper
63 100
112 1.9 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: 2.565 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

Instrument :

MSVOA_V

ClientSampleId :

MDL04

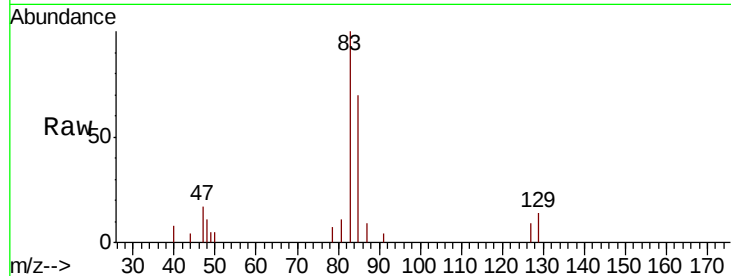
Tgt Ion: 83 Resp: 4615

Ion Ratio Lower Upper

83 100

85 70.2 45.0 83.6

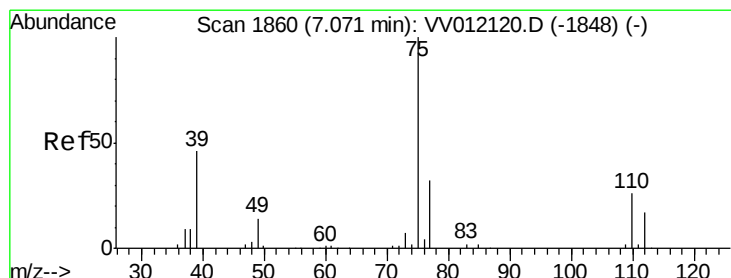
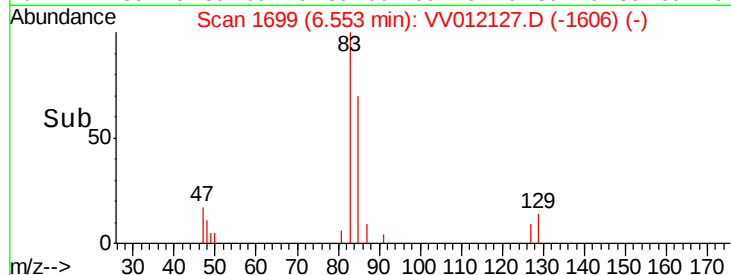
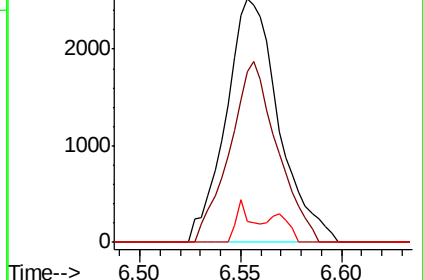
127 8.7 7.9 11.9



Abundance Ion 83.00 (82.70 to 83.70): VV012127.D (-1606) (-)

Ion 85.00 (84.70 to 85.70): VV012127.D (-1606) (-)

Ion 127.00 (126.70 to 127.70): VV012127.D (-1606) (-)



#39

cis-1,3-Dichloropropene

Concen: 2.506 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV012127.D

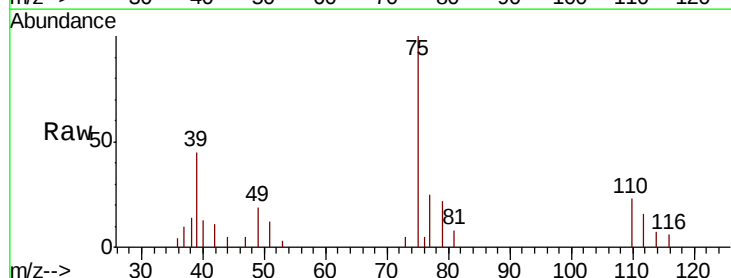
Acq: 07 Aug 2019 14:58

Tgt Ion: 75 Resp: 5052

Ion Ratio Lower Upper

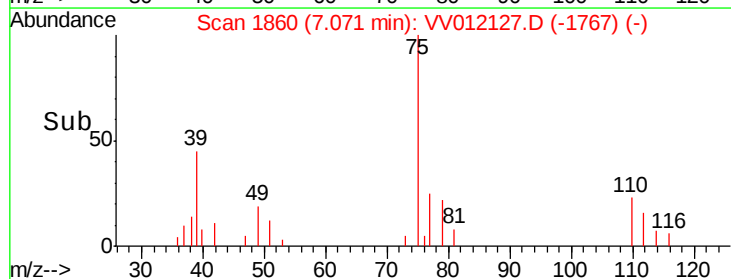
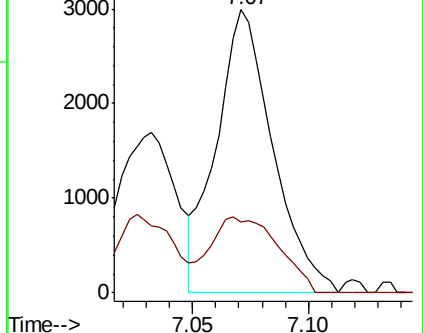
75 100

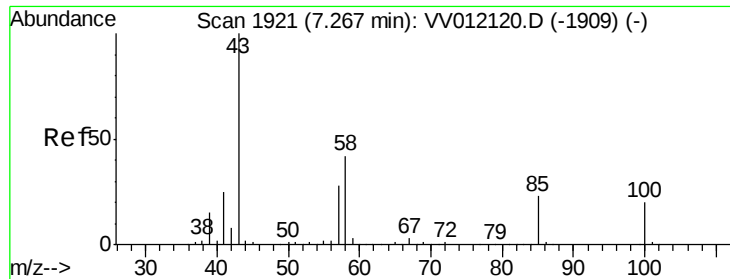
77 25.2 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV012127.D (-1767) (-)

Ion 77.00 (76.70 to 77.70): VV012127.D (-1767) (-)

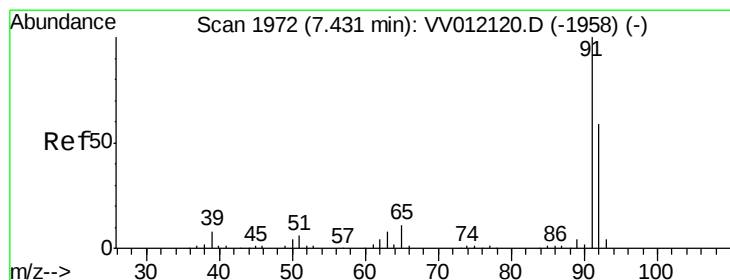
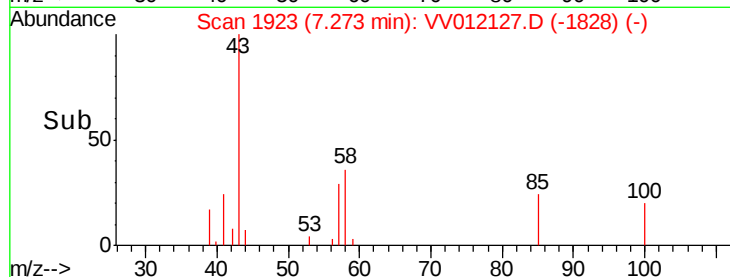
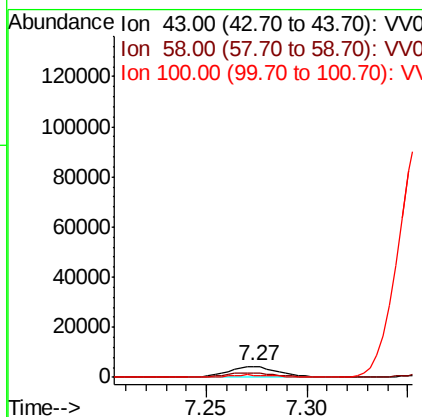
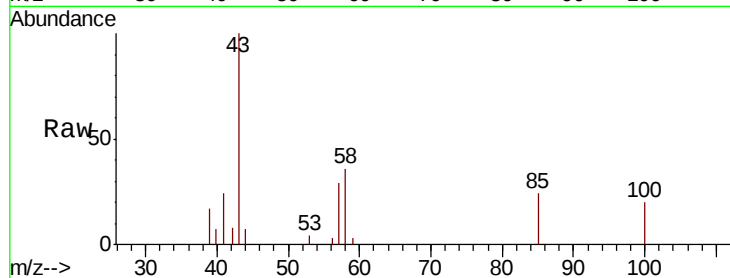




#40
4-Methyl-2-pentanone
Concen: 5.288 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VV012127.D
Acq: 07 Aug 2019 14:58

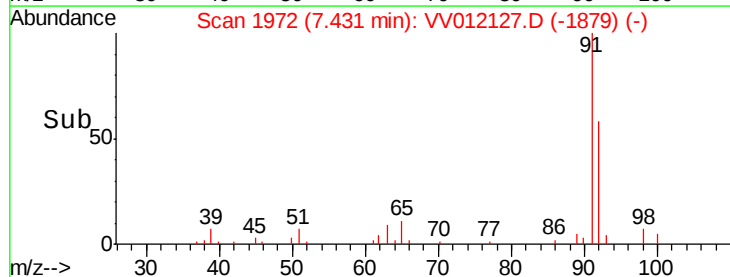
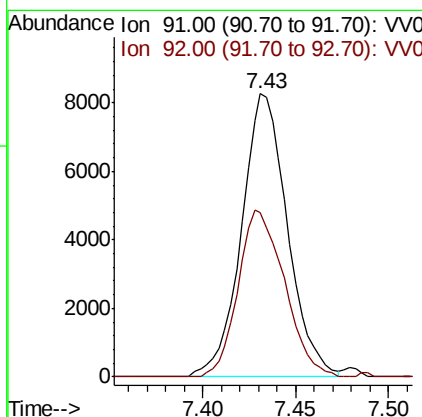
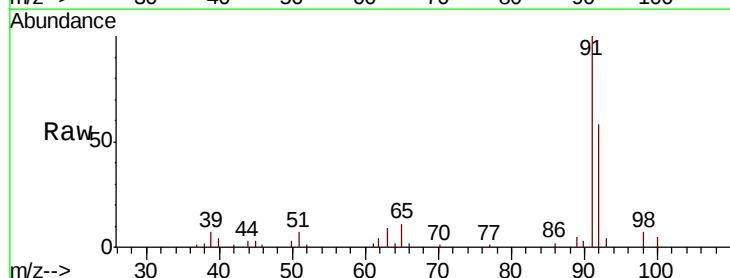
Instrument :
MSVOA_V
ClientSampleId :
MDL04

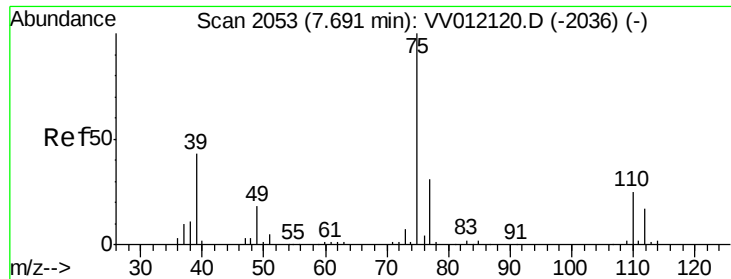
Tgt Ion: 43 Resp: 7783
Ion Ratio Lower Upper
43 100
58 40.3 33.4 50.2
100 18.3 15.0 22.4



#42
Toluene
Concen: 2.739 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV012127.D
Acq: 07 Aug 2019 14:58

Tgt Ion: 91 Resp: 14272
Ion Ratio Lower Upper
91 100
92 58.0 40.1 74.5

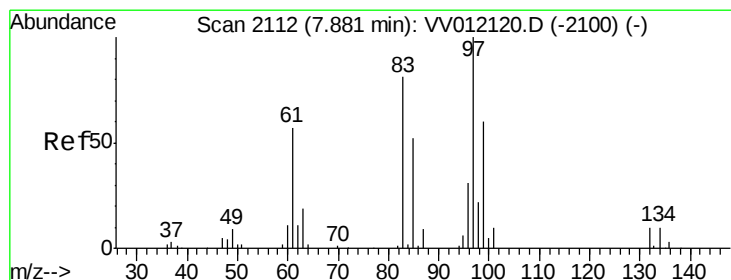
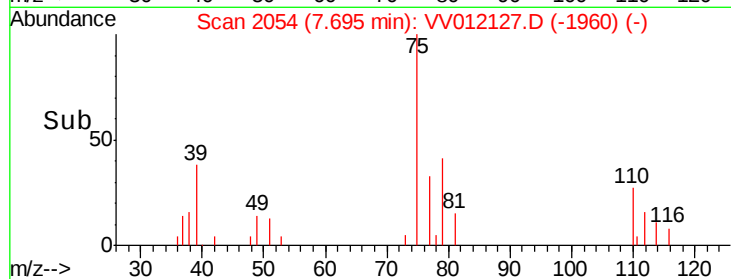
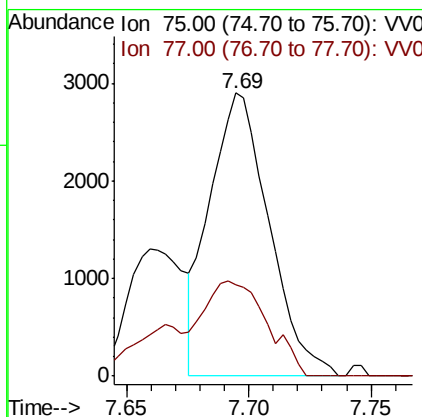
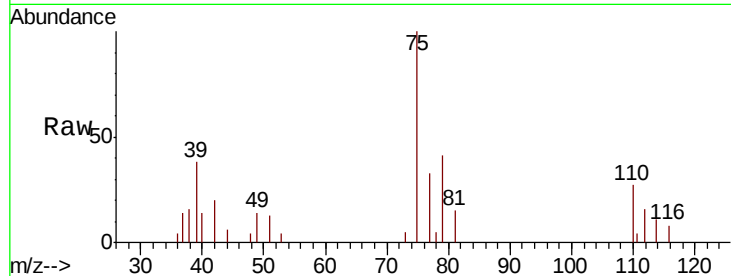




#44
trans-1,3-Dichloropropene
Concen: 2.581 ug/L
RT: 7.69 min Scan# 2054
Delta R.T. 0.00 min
Lab File: VV012127.D
Acq: 07 Aug 2019 14:58

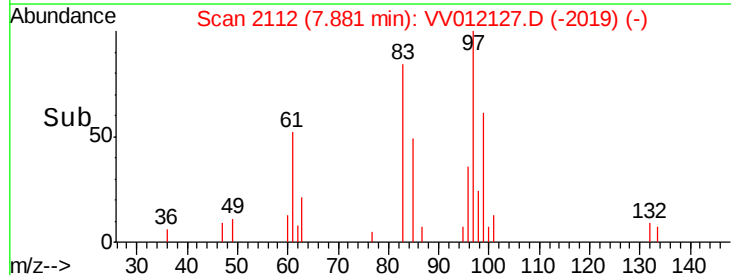
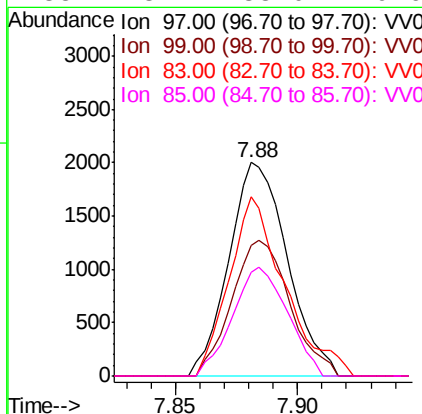
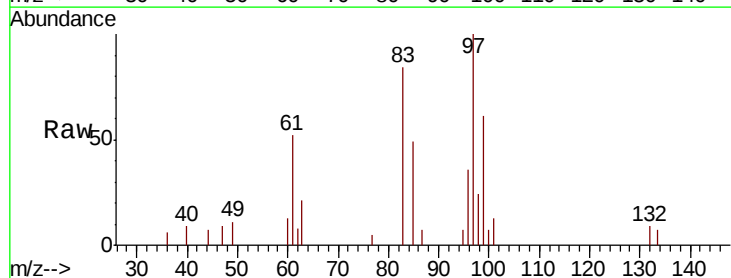
Instrument :
MSVOA_V
ClientSampled :
MDL04

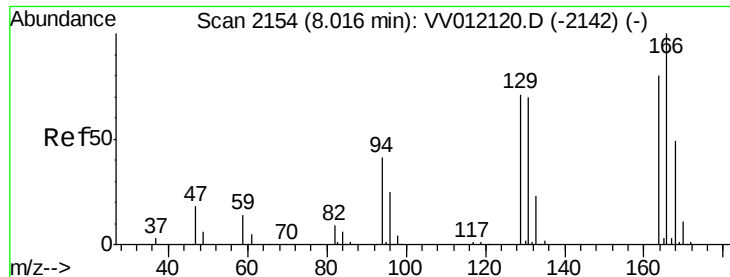
Tgt Ion: 75 Resp: 4913
Ion Ratio Lower Upper
75 100
77 32.5 21.8 40.4



#45
1,1,2-Trichloroethane
Concen: 2.698 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV012127.D
Acq: 07 Aug 2019 14:58

Tgt Ion: 97 Resp: 3326
Ion Ratio Lower Upper
97 100
99 61.0 47.2 87.6
83 83.8 58.0 107.6
85 48.7 38.0 70.6





#46

Tetrachloroethene

Concen: 2.509 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tgt Ion:164 Resp: 3046

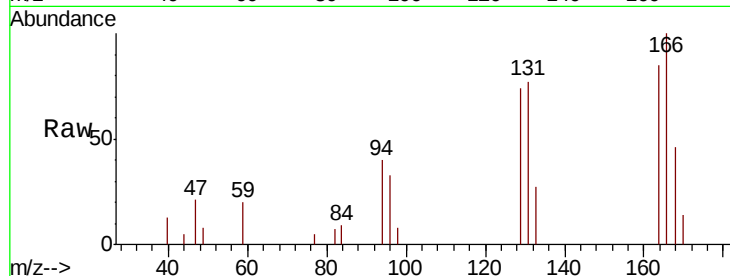
Ion Ratio Lower Upper

164 100

129 86.4 64.3 119.5

131 90.3 60.1 111.7

166 117.1 91.8 170.6

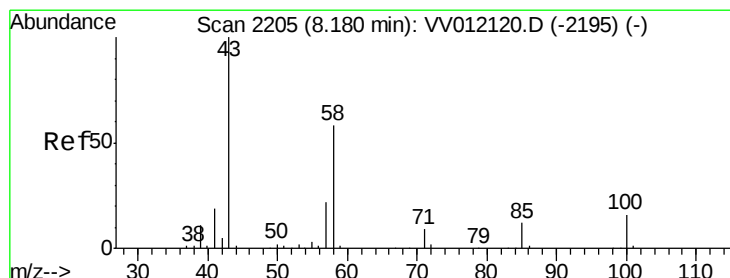
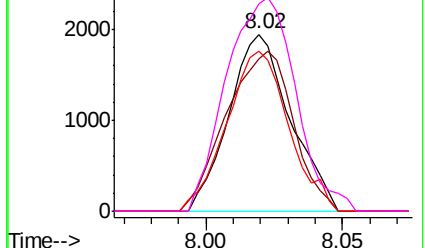
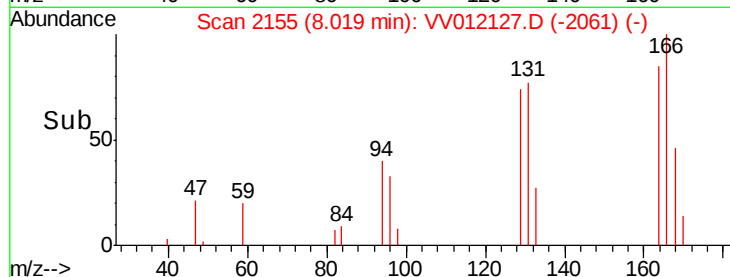


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.617 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

Tgt Ion: 43 Resp: 6233

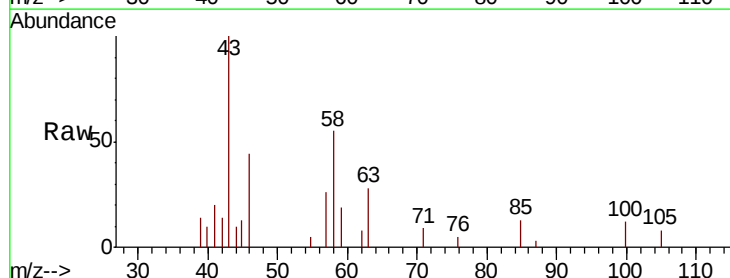
Ion Ratio Lower Upper

43 100

58 63.9 45.6 68.4

57 22.8 17.0 25.6

100 11.1 11.5 17.3#

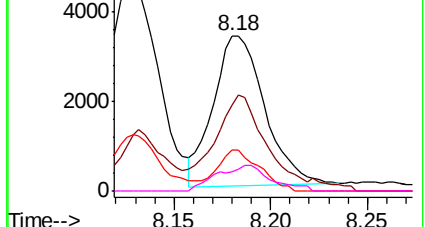
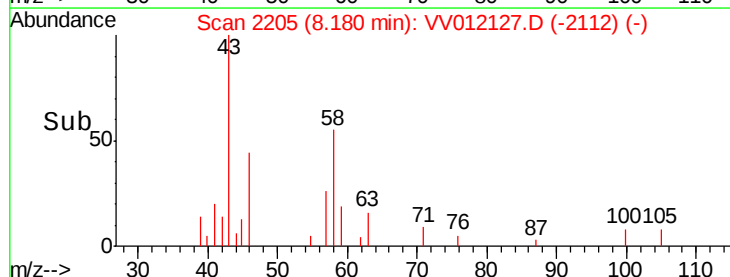


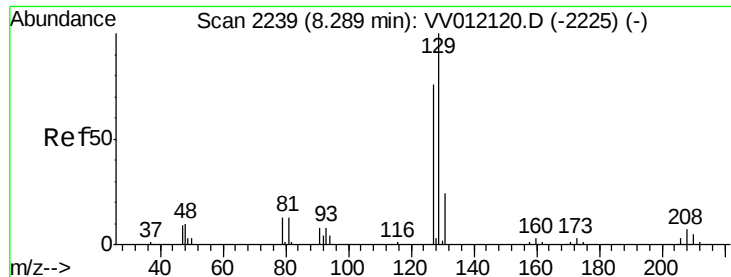
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 2.751 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

Instrument :

MSVOA_V

ClientSampleId :

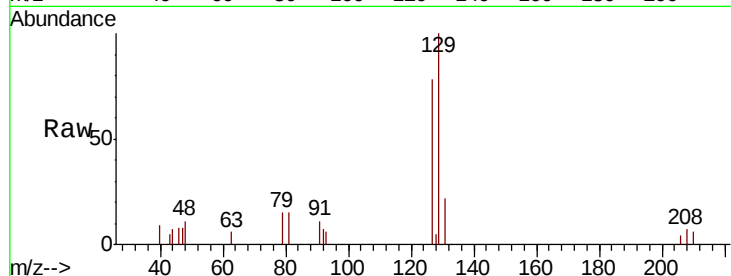
MDL04

Tgt Ion:129 Resp: 4400

Ion Ratio Lower Upper

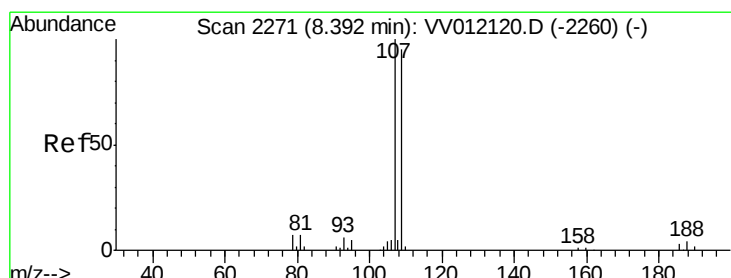
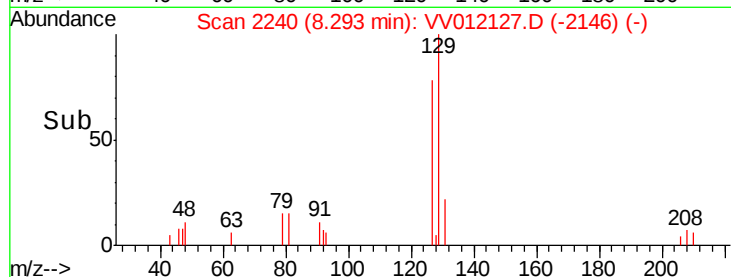
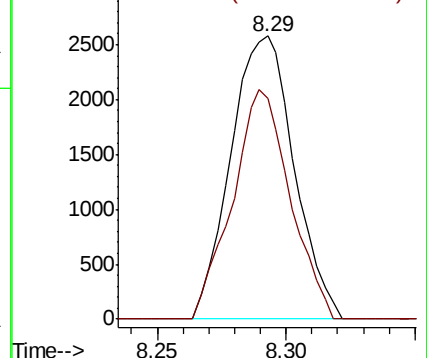
129 100

127 78.1 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.636 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.01 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

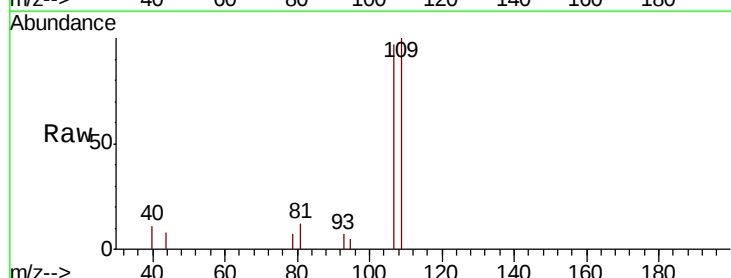
Tgt Ion:107 Resp: 3594

Ion Ratio Lower Upper

107 100

109 103.6 67.0 124.4

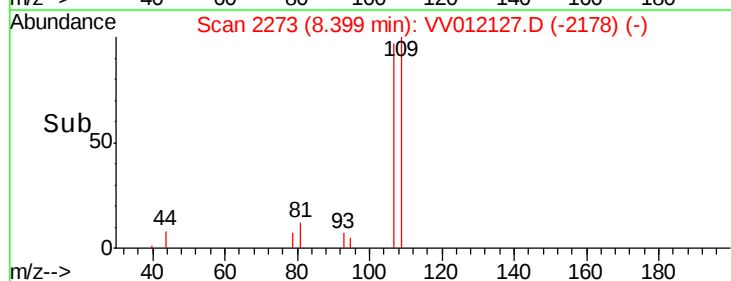
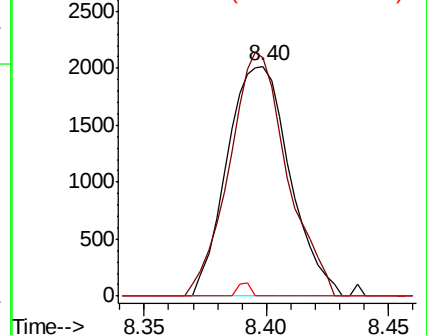
188 0.0 3.9 5.9#

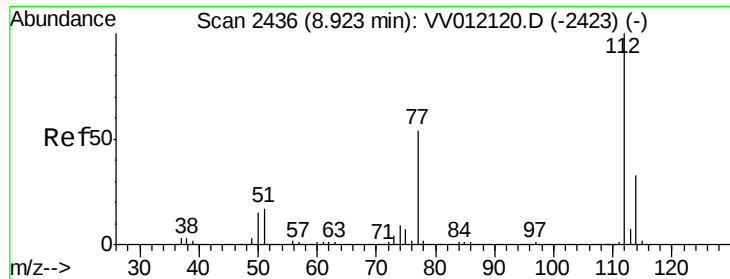


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

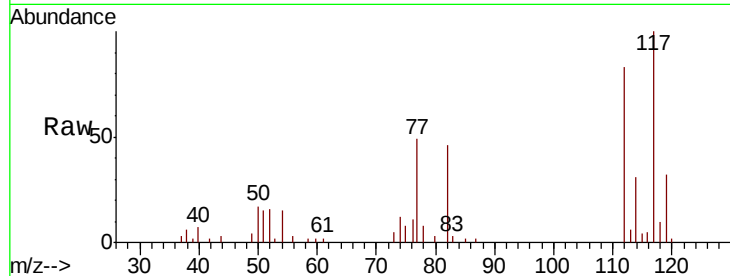




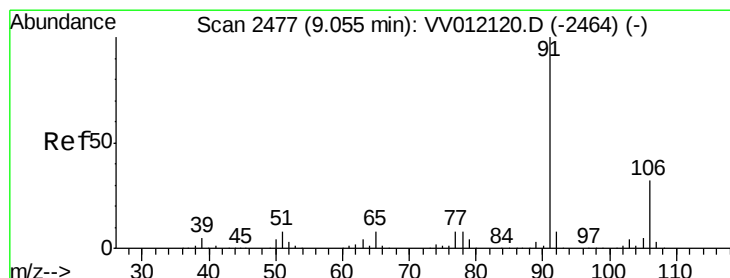
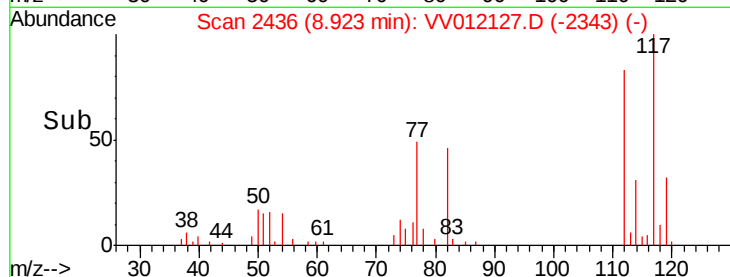
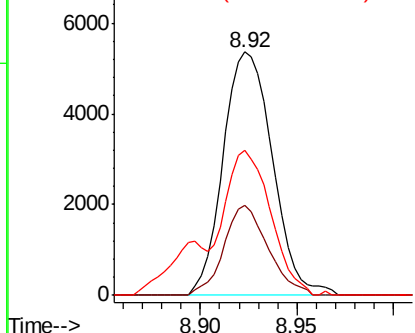
#51
Chlorobenzene
Concen: 2.718 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012127.D
Acq: 07 Aug 2019 14:58

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tgt Ion: 112 Resp: 9546
Ion Ratio Lower Upper
112 100
114 37.1 22.8 42.4
77 59.3 44.7 67.1

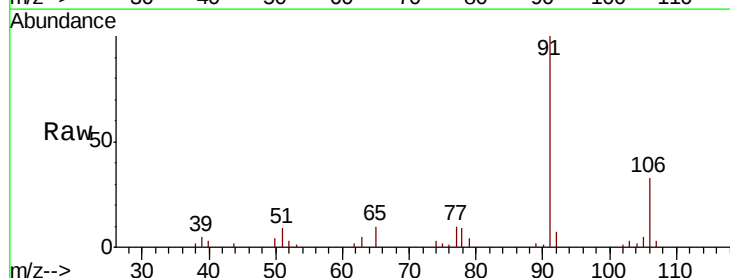


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

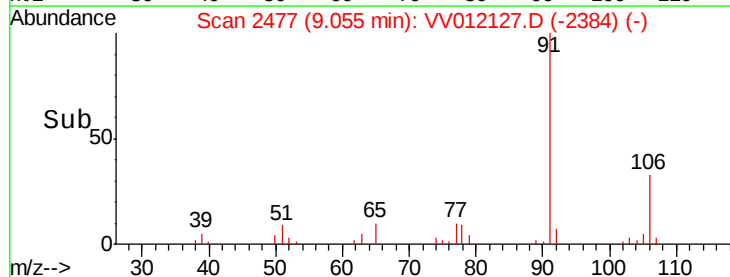
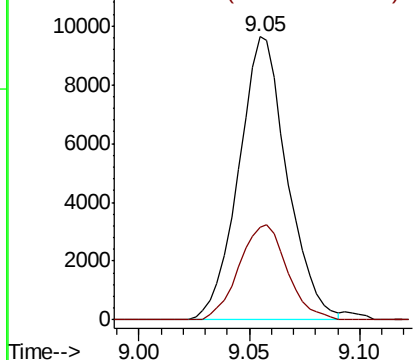


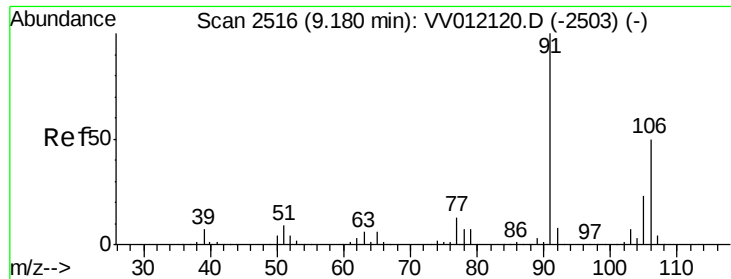
#52
Ethylbenzene
Concen: 2.513 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012127.D
Acq: 07 Aug 2019 14:58

Tgt Ion: 91 Resp: 14688
Ion Ratio Lower Upper
91 100
106 32.8 22.3 41.5



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

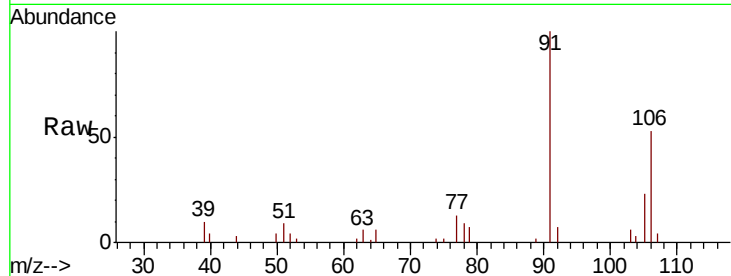




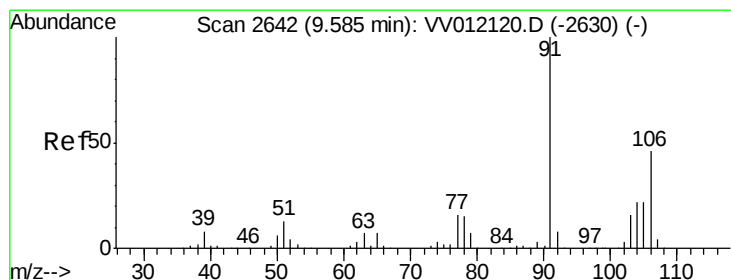
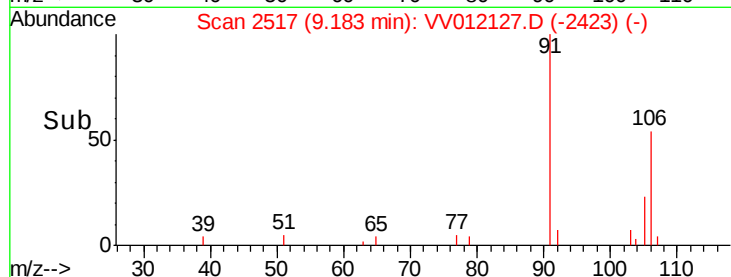
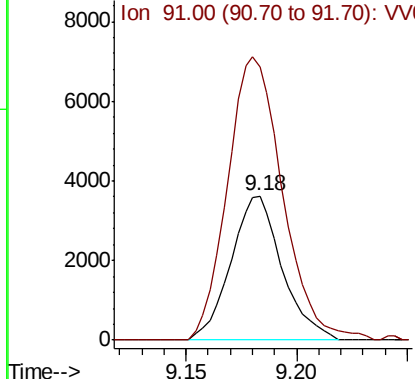
#53
m,p-Xylene
Concen: 2.587 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV012127.D
Acq: 07 Aug 2019 14:58

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tgt Ion:106 Resp: 5834
Ion Ratio Lower Upper
106 100
91 189.7 146.7 272.5

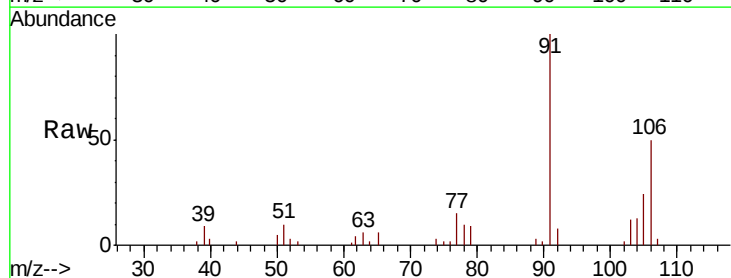


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

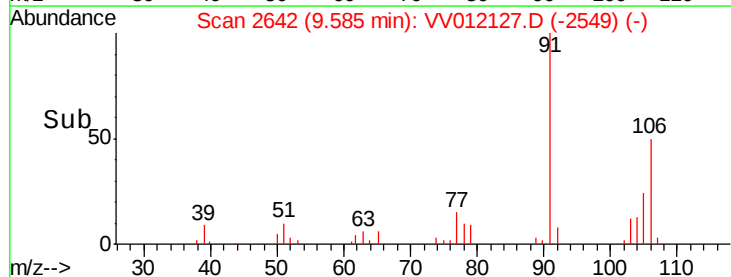
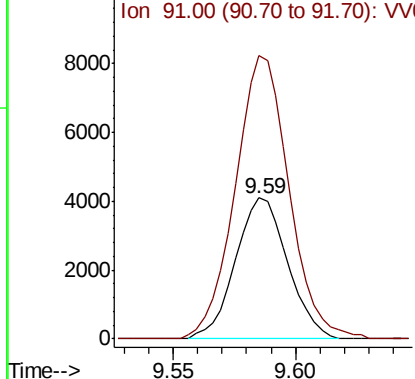


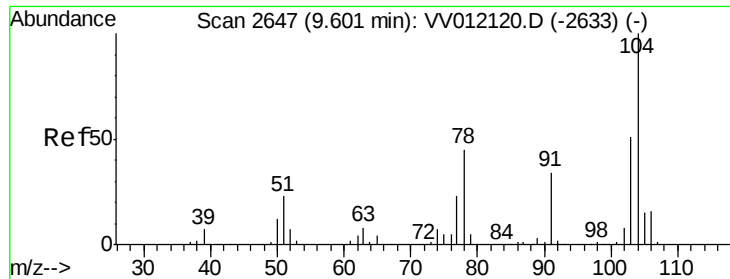
#54
o-Xylene
Concen: 2.719 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012127.D
Acq: 07 Aug 2019 14:58

Tgt Ion:106 Resp: 6085
Ion Ratio Lower Upper
106 100
91 200.8 150.4 279.2



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

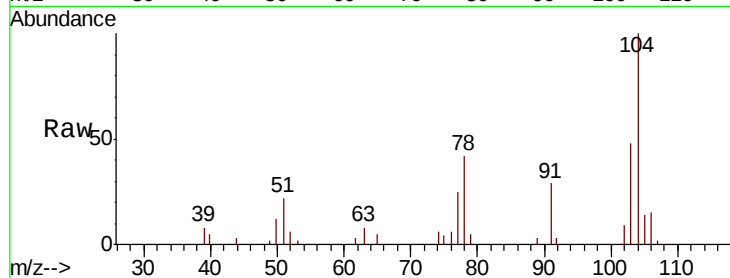




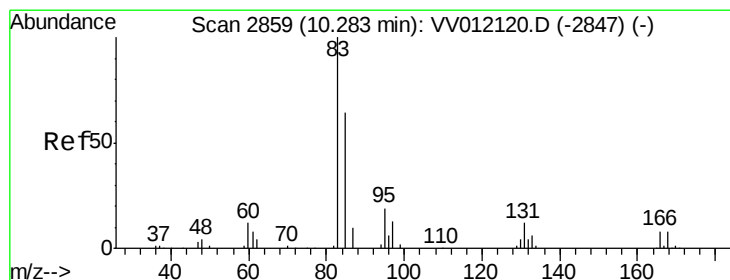
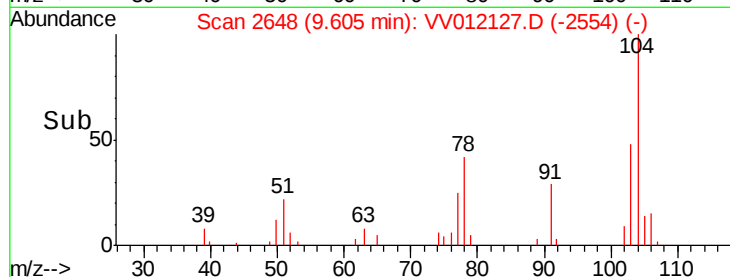
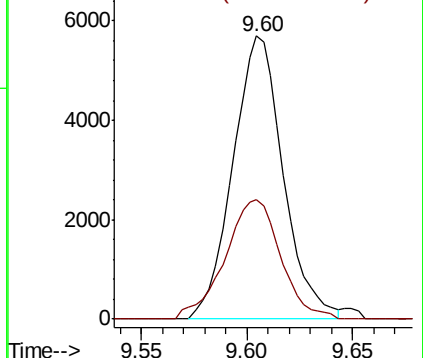
#55
Styrene
Concen: 2.507 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012127.D
Acq: 07 Aug 2019 14:58

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tgt Ion: 104 Resp: 9449
Ion Ratio Lower Upper
104 100
78 42.0 32.0 59.4

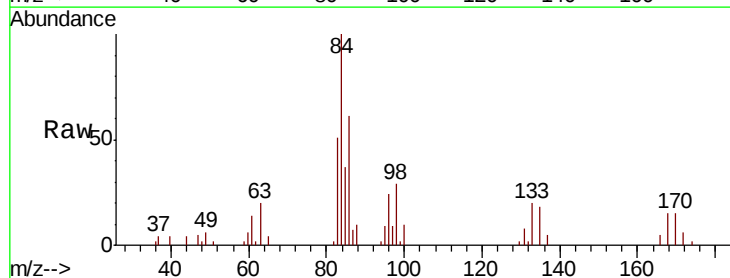


Abundance Ion 104.00 (103.70 to 104.70): VV012127.D (-2648) (-)
Ion 78.00 (77.70 to 78.70): VV012127.D (-2648) (-)

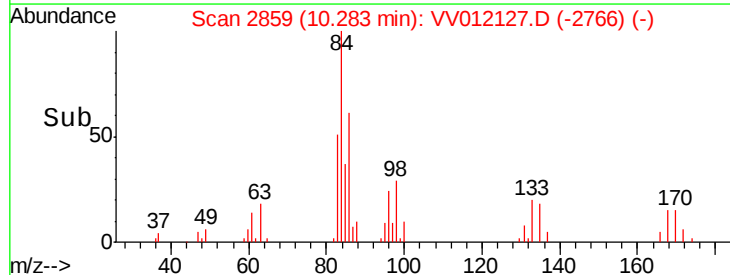
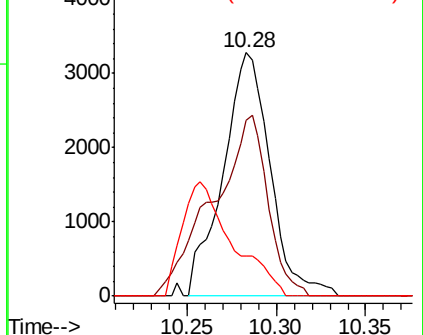


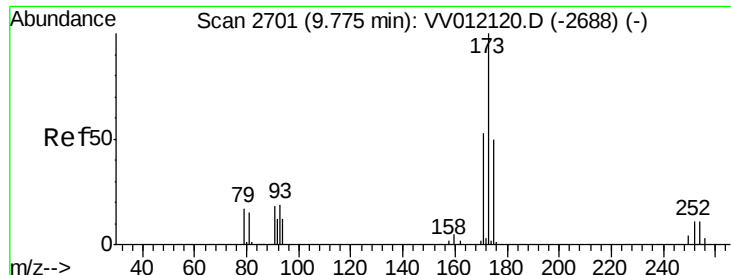
#57
1,1,2,2-Tetrachloroethane
Concen: 3.191 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VV012127.D
Acq: 07 Aug 2019 14:58

Tgt Ion: 83 Resp: 6050
Ion Ratio Lower Upper
83 100
85 72.2 44.6 82.8
131 16.5 9.3 13.9#



Abundance Ion 83.00 (82.70 to 83.70): VV012127.D (-2859) (-)
Ion 85.00 (84.70 to 85.70): VV012127.D (-2859) (-)
Ion 131.00 (130.70 to 131.70): VV012127.D (-2859) (-)





#59

Bromoform

Concen: 2.968 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

Instrument :

MSVOA_V

ClientSampled :

MDL04

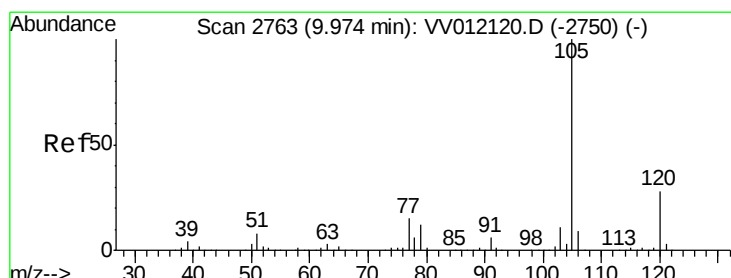
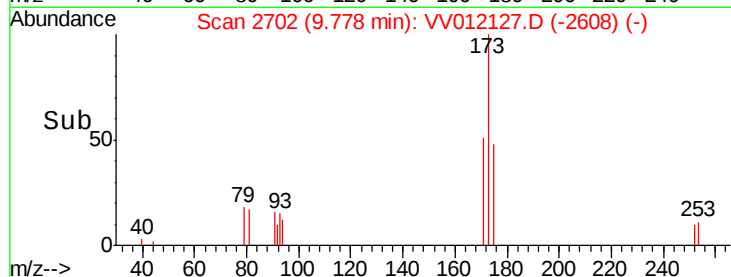
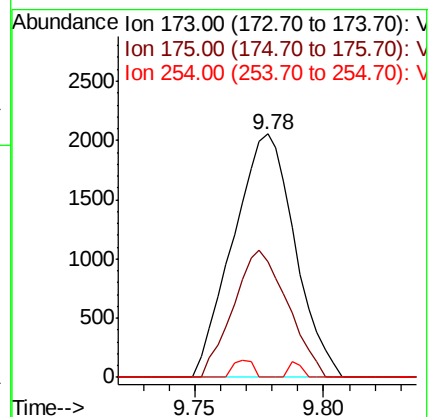
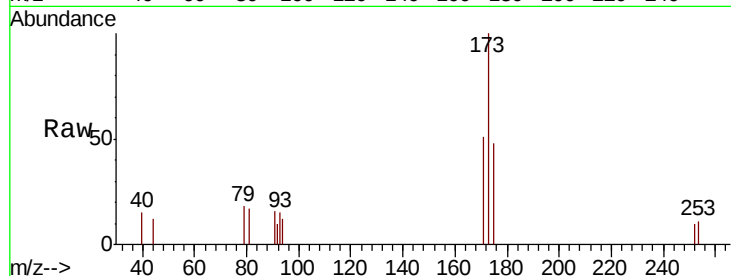
Tgt Ion:173 Resp: 3424

Ion Ratio Lower Upper

173 100

175 46.0 38.3 57.5

254 2.2 8.9 13.3#



#60

Isopropylbenzene

Concen: 2.835 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

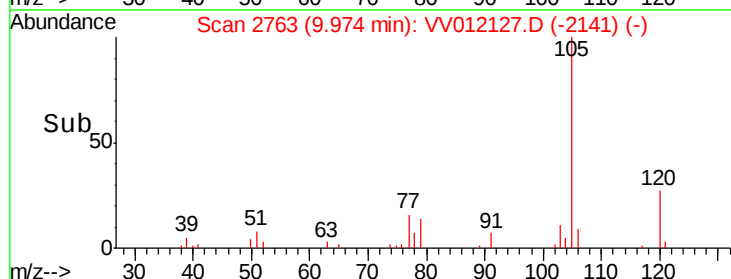
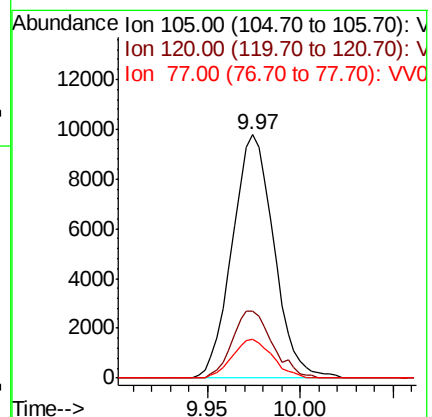
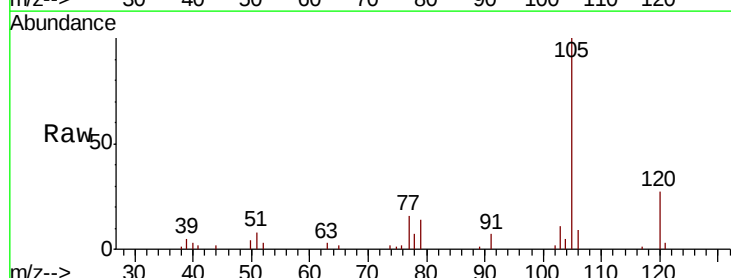
Tgt Ion:105 Resp: 15264

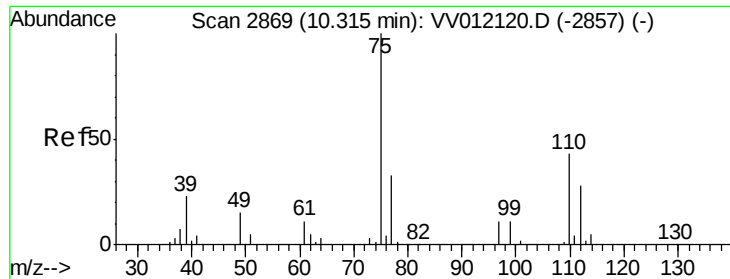
Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.0

77 15.3 11.6 17.4

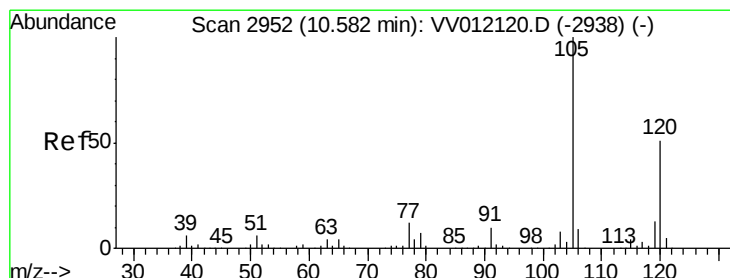
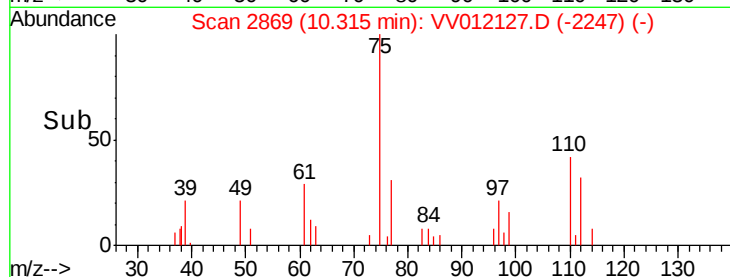
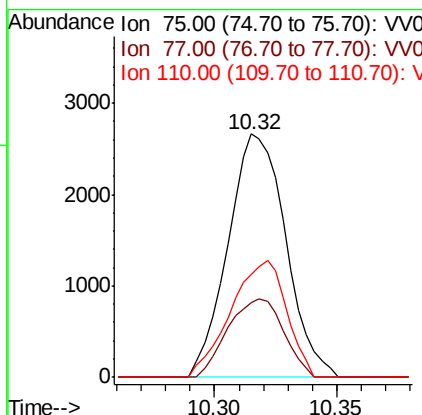
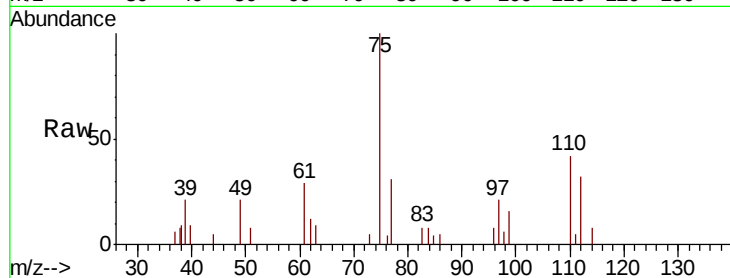




#61
 1,2,3-Trichloropropane
 Concen: 3.271 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV012127.D
 Acq: 07 Aug 2019 14:58

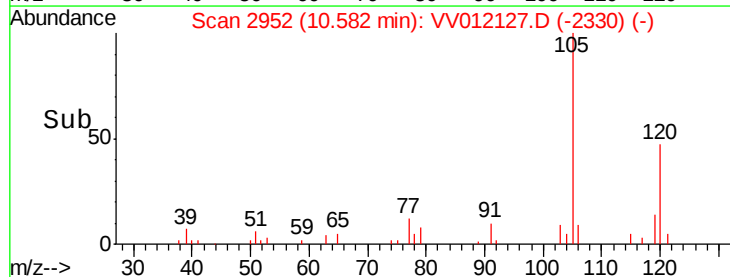
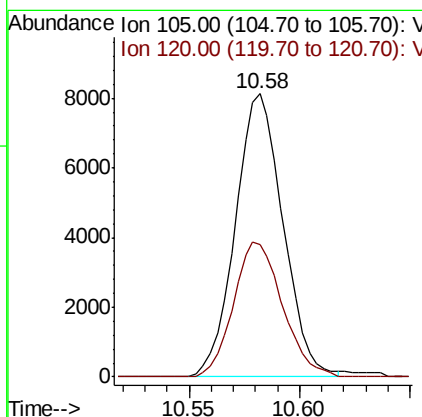
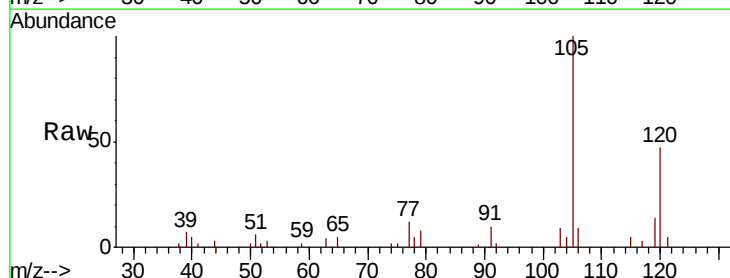
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

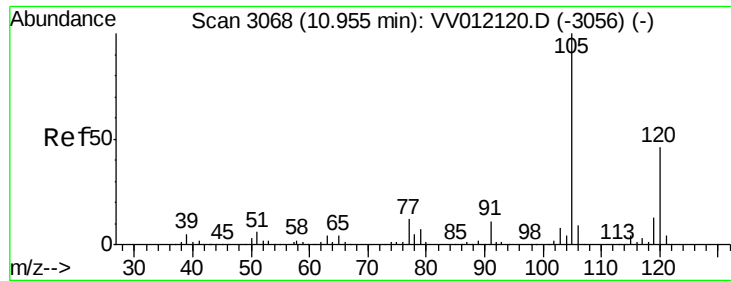
Tgt Ion: 75 Resp: 4369
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.7 38.5
 110 46.4 34.2 51.4



#62
 1,3,5-Trimethylbenzene
 Concen: 2.622 ug/L
 RT: 10.58 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VV012127.D
 Acq: 07 Aug 2019 14:58

Tgt Ion: 105 Resp: 12206
 Ion Ratio Lower Upper
 105 100
 120 49.0 39.2 58.8

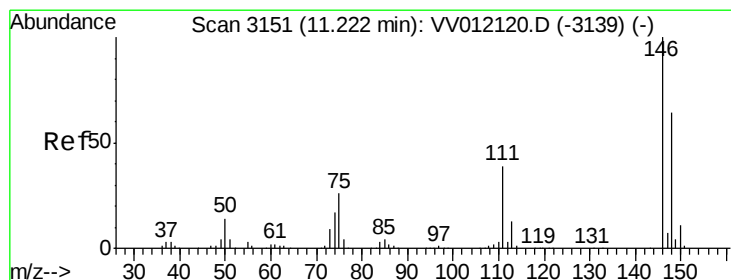
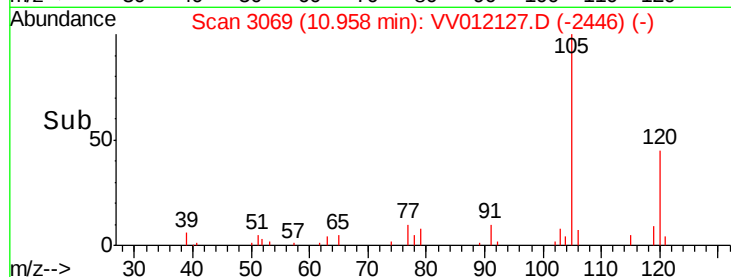
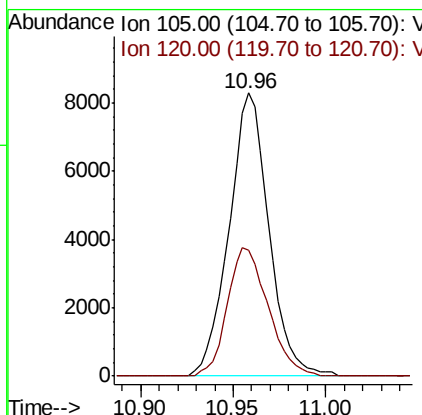
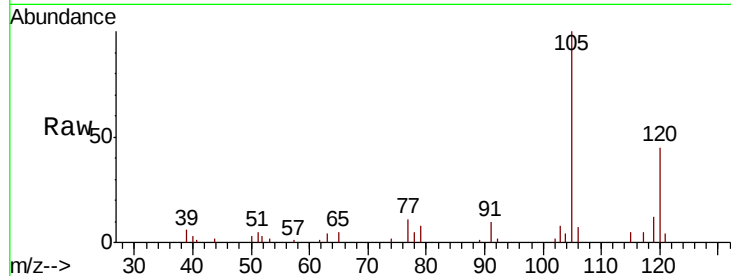




#63
 1,2,4-Trimethylbenzene
 Concen: 2.694 ug/L
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV012127.D
 Acq: 07 Aug 2019 14:58

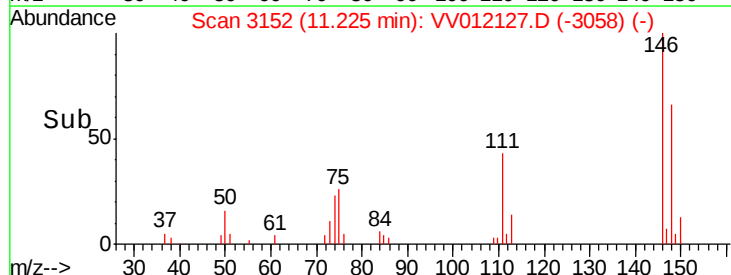
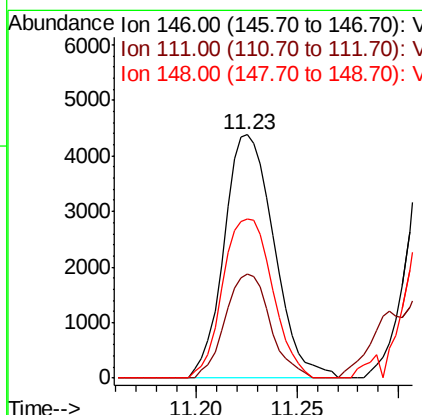
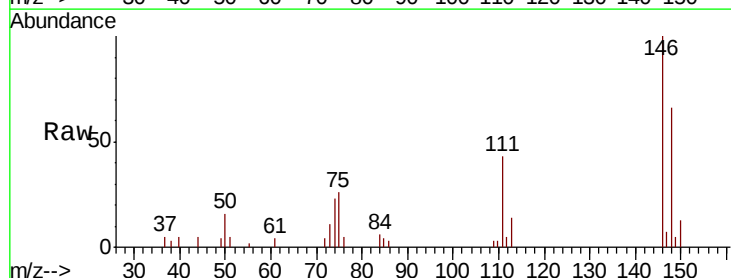
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

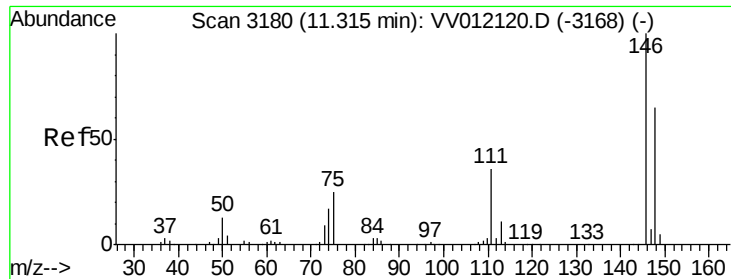
Tgt Ion:105 Resp: 12377
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.7 55.1



#64
 1,3-Dichlorobenzene
 Concen: 2.801 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012127.D
 Acq: 07 Aug 2019 14:58

Tgt Ion:146 Resp: 7610
 Ion Ratio Lower Upper
 146 100
 111 42.7 26.8 49.8
 148 65.5 44.6 82.8





#65

1,4-Dichlorobenzene

Concen: 2.750 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

Instrument :

MSVOA_V

ClientSampleId :

MDL04

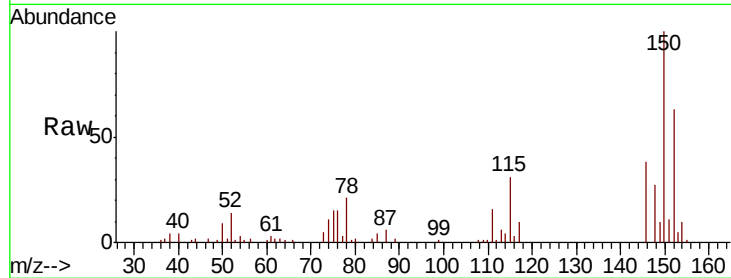
Tgt Ion:146 Resp: 7552

Ion Ratio Lower Upper

146 100

111 43.3 25.8 47.8

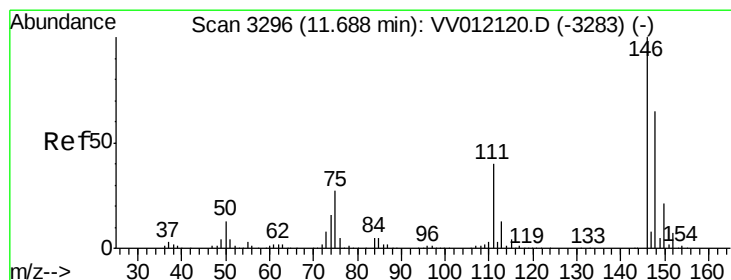
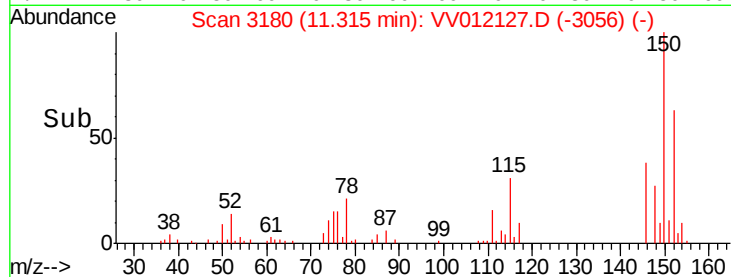
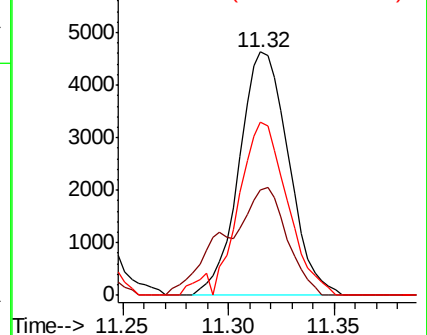
148 71.1 45.2 84.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,2-Dichlorobenzene

Concen: 3.139 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

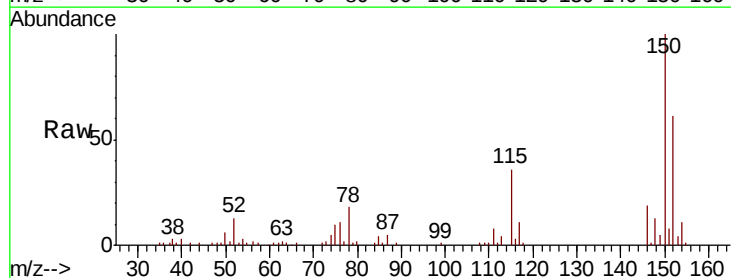
Tgt Ion:146 Resp: 8701

Ion Ratio Lower Upper

146 100

111 45.8 32.2 48.2

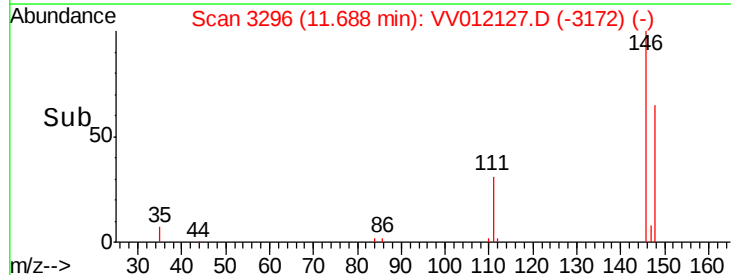
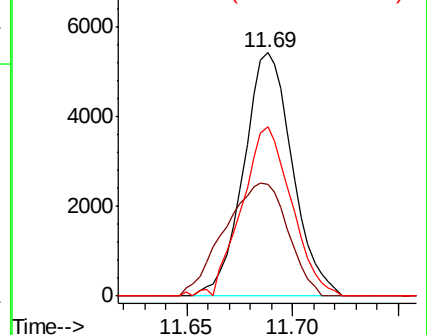
148 69.6 53.2 79.8

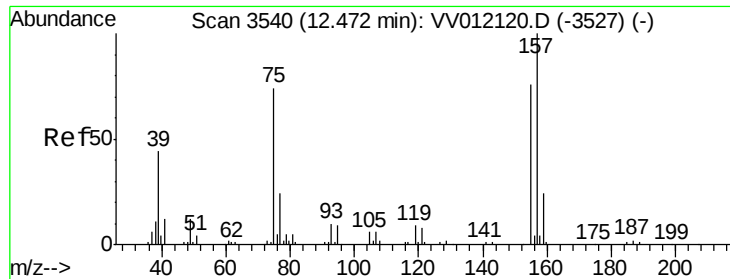


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68

1,2-Dibromo-3-chloropropane

Concen: 2.797 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

Instrument :

MSVOA_V

ClientSampleId :

MDL04

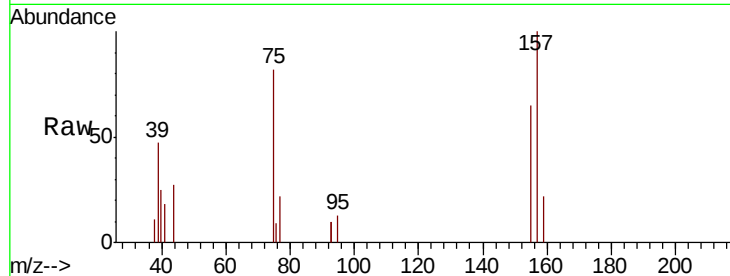
Tgt Ion: 75 Resp: 1231

Ion Ratio Lower Upper

75 100

155 78.6 81.2 121.8#

157 121.6 102.3 153.5

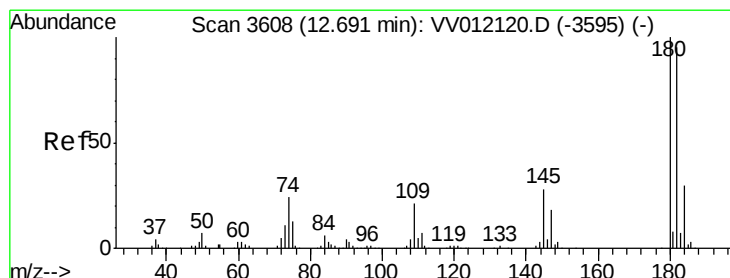
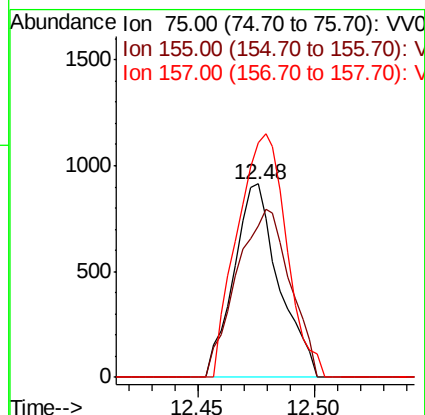
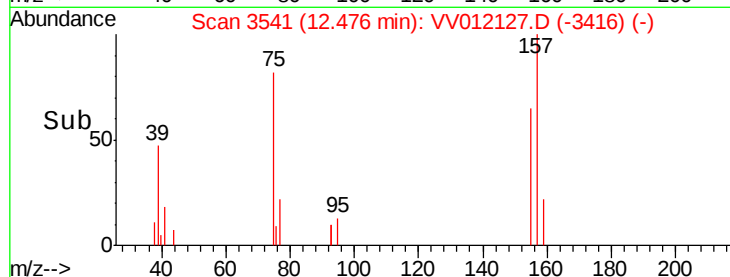


Abundance Ion 75.00 (74.70 to 75.70): VV012127.D (-3527) (-)

Ion 155.00 (154.70 to 155.70): VV012127.D (-3527) (-)

Ion 157.00 (156.70 to 157.70): VV012127.D (-3527) (-)

Time-->



#69

1,3,5-Trichlorobenzene

Concen: 2.493 ug/L

RT: 12.69 min Scan# 3609

Delta R.T. 0.00 min

Lab File: VV012127.D

Acq: 07 Aug 2019 14:58

Tgt Ion: 180 Resp: 5491

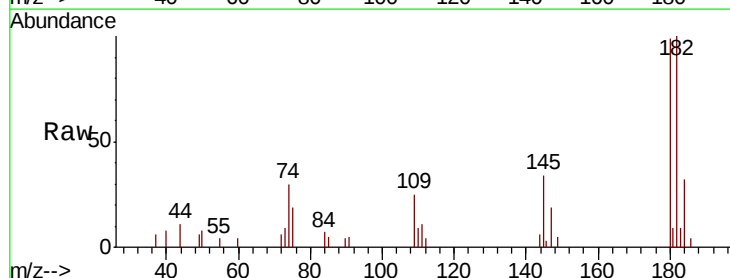
Ion Ratio Lower Upper

180 100

182 94.5 76.5 114.7

184 31.1 24.6 36.8

145 30.2 22.5 33.7



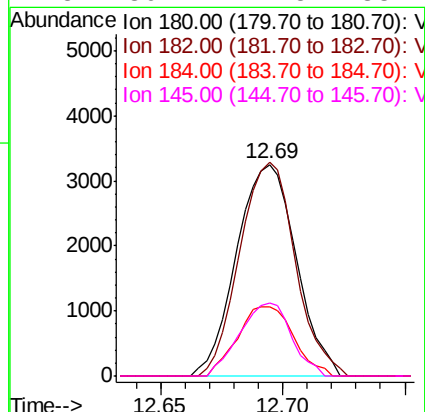
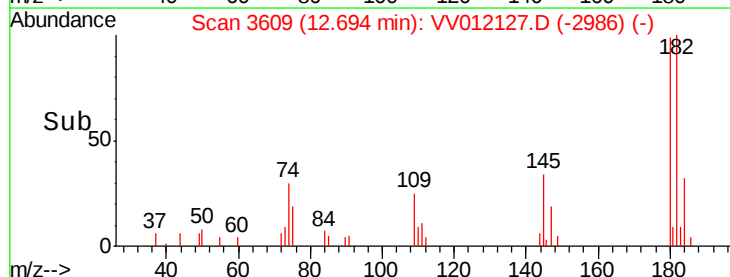
Abundance Ion 180.00 (179.70 to 180.70): VV012127.D (-3595) (-)

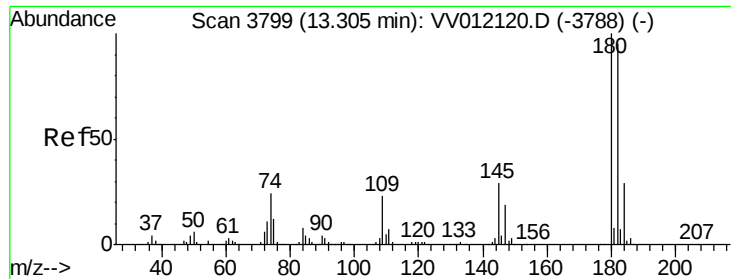
Ion 182.00 (181.70 to 182.70): VV012127.D (-3595) (-)

Ion 184.00 (183.70 to 184.70): VV012127.D (-3595) (-)

Ion 145.00 (144.70 to 145.70): VV012127.D (-3595) (-)

Time-->

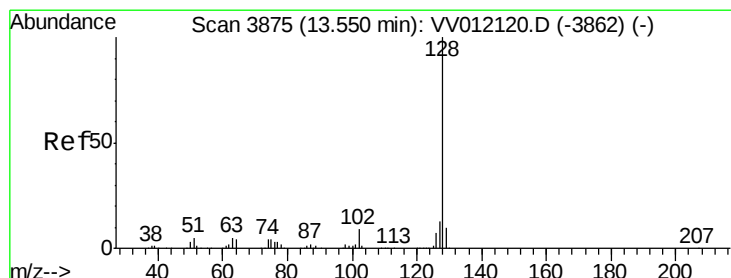
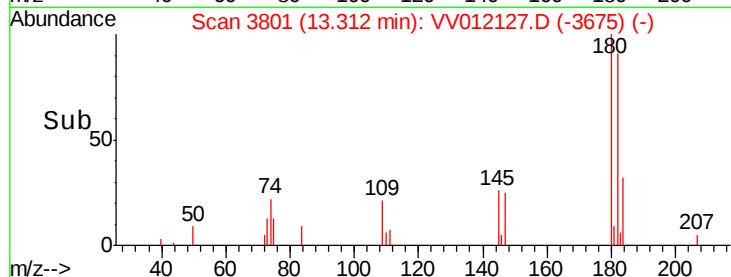
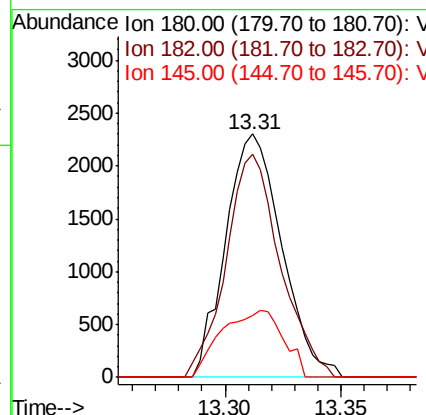
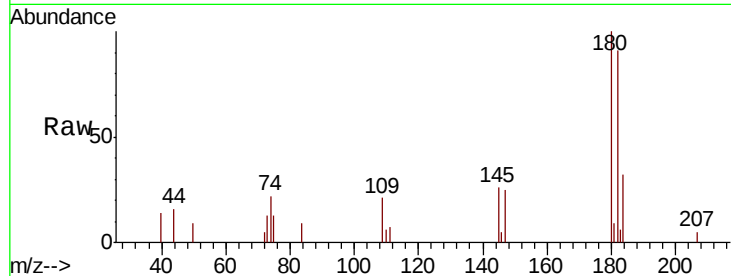




#70
 1,2,4-trichlorobenzene
 Concen: 2.023 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.01 min
 Lab File: VV012127.D
 Acq: 07 Aug 2019 14:58

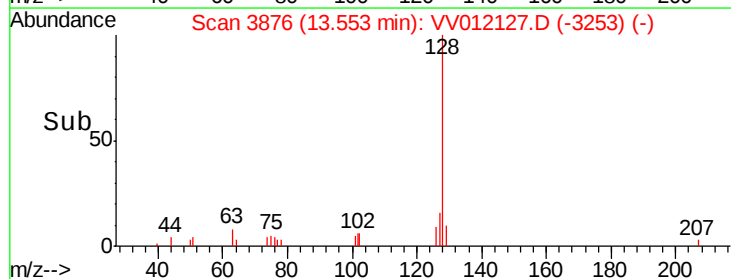
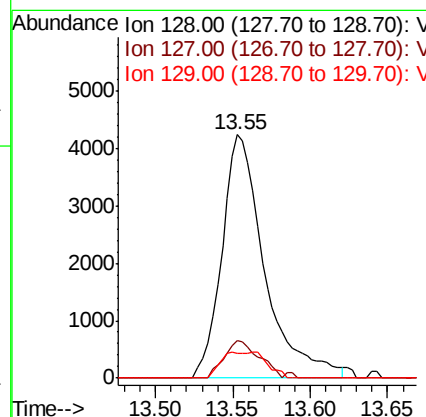
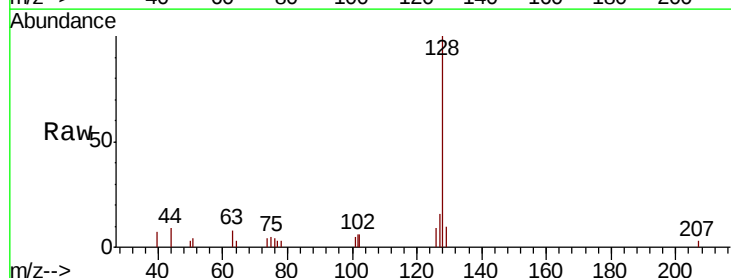
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

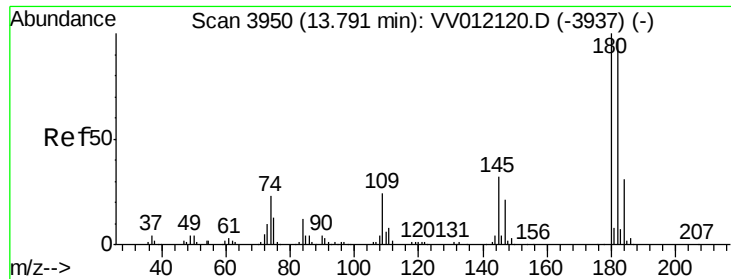
Tgt Ion:180 Resp: 3863
 Ion Ratio Lower Upper
 180 100
 182 88.4 76.5 114.7
 145 30.4 23.3 34.9



#71
 Naphthalene
 Concen: 1.673 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.00 min
 Lab File: VV012127.D
 Acq: 07 Aug 2019 14:58

Tgt Ion:128 Resp: 8097
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.6 15.8
 129 5.9 8.6 12.8#





#72
 1,2,3-Trichlorobenzene
 Concen: 2.063 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV012127.D
 Acq: 07 Aug 2019 14:58

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion	Resp	Lower	Upper
180	3965		
182	100.0	77.2	115.8
145	29.5	24.6	36.8

