

Data File : VV013016.D
Acq On : 30 Sep 2019 13:36
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB62

Quant Time: Oct 01 05:19:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM093019SMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 30 15:00:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	785521	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	780852	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	419194	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	236664	21.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.24%
7) Chloroethane-d5	1.58	69	208177	22.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.36%
11) 1,1-Dichloroethene-d2	2.13	63	418565	21.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.52%
21) 2-Butanone-d5	3.95	46	205990	51.92	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.84%
24) Chloroform-d	4.40	84	475832	22.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.96%
26) 1,2-Dichloroethane-d4	5.08	65	272962	22.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.68%
32) Benzene-d6	5.09	84	967853	22.47	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.88%
36) 1,2-Dichloropropane-d6	6.11	67	304124	22.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.08%
41) Toluene-d8	7.36	98	901941	22.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.72%
43) trans-1,3-Dichloropropene-	7.66	79	130853	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.36%
47) 2-Hexanone-d5	8.13	63	143248	50.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.64%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	297766	23.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.32%
66) 1,2-Dichlorobenzene-d4	11.67	152	365716	22.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	233831	27.784 ug/L	99
3) Chloromethane	1.25	50	287511	26.831 ug/L	100
5) Vinyl chloride	1.32	62	281145	25.466 ug/L	98
6) Bromomethane	1.54	94	185598	26.170 ug/L	99
8) Chloroethane	1.60	64	179012	25.654 ug/L	98
9) Trichlorofluoromethane	1.77	101	363690	24.321 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	230136	24.010 ug/L	98
12) 1,1-Dichloroethene	2.14	96	219465	24.378 ug/L	94
13) Acetone	2.21	43	198639	47.497 ug/L	99
14) Carbon disulfide	2.32	76	696424	25.206 ug/L	99
15) Methyl Acetate	2.47	43	178887	27.719 ug/L	99
16) Methylene chloride	2.53	84	301267	23.417 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	264020	24.879 ug/L	99
18) Methyl tert-butyl Ether	2.80	73	705200	26.417 ug/L	100
19) 1,1-Dichloroethane	3.23	63	488644	25.089 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	298854	25.320 ug/L	100
22) 2-Butanone	4.03	43	260484	56.824 ug/L	99

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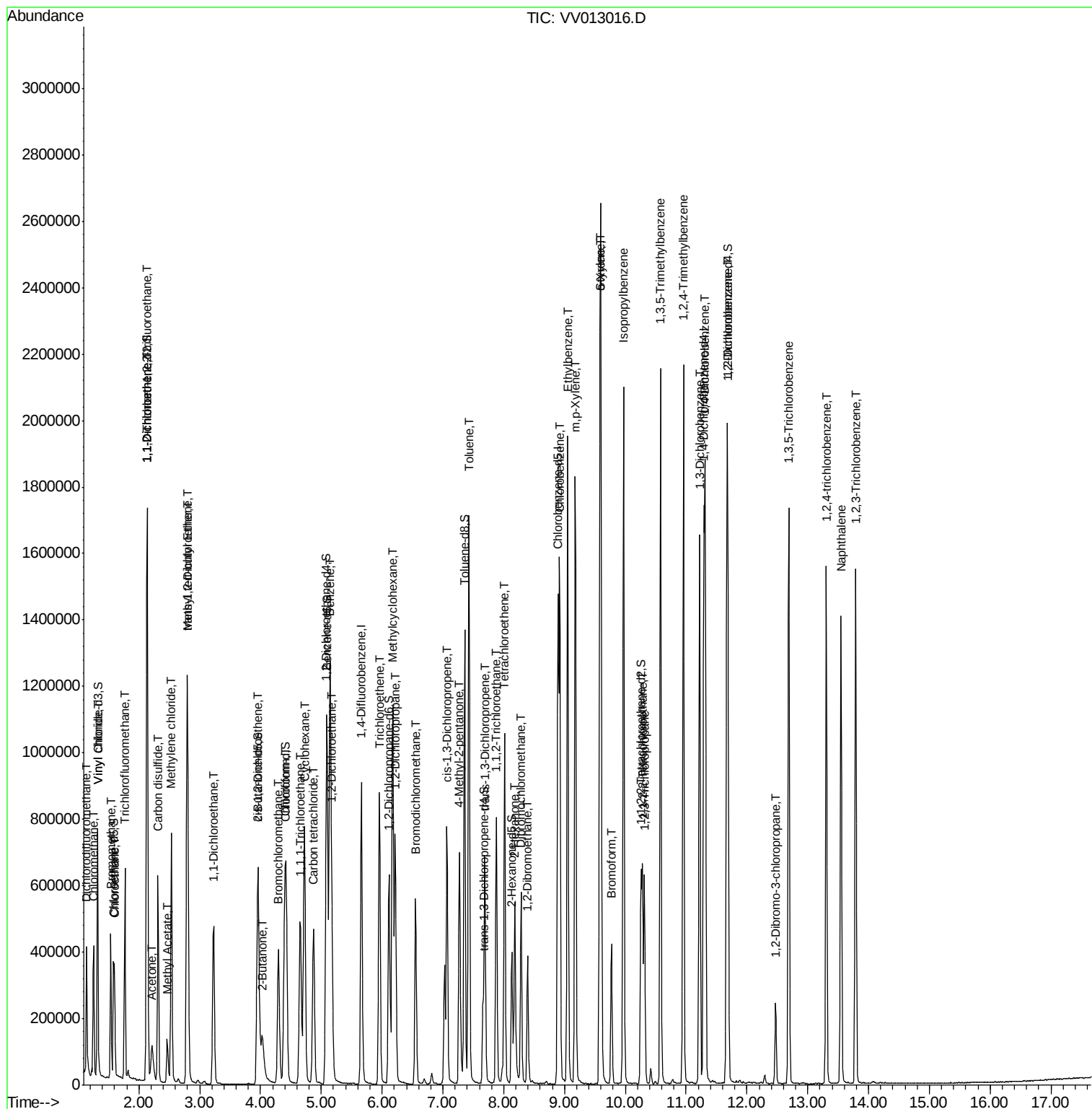
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	147297	25.455	ug/L	96
25) Chloroform	4.42	83	504456	24.843	ug/L	98
27) 1,2-Dichloroethane	5.18	62	364277	26.097	ug/L	98
29) Cyclohexane	4.72	56	432225	25.144	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	388482	24.357	ug/L	99
31) Carbon tetrachloride	4.87	117	347457	24.200	ug/L	98
33) Benzene	5.14	78	1123981	25.176	ug/L	100
34) Trichloroethene	5.96	95	297136	24.569	ug/L	100
35) Methylcyclohexane	6.17	83	473100	24.923	ug/L	98
37) 1,2-Dichloropropane	6.22	63	292600	25.544	ug/L	100
38) Bromodichloromethane	6.55	83	376851	25.202	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	451285	26.164	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	494318	53.994	ug/L	99
42) Toluene	7.43	91	1218719	25.667	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	371961	26.264	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	248240	25.546	ug/L	99
46) Tetrachloroethene	8.02	164	241675	24.152	ug/L	99
48) 2-Hexanone	8.18	43	369135	55.378	ug/L	99
49) Dibromochloromethane	8.29	129	288923	26.075	ug/L	98
50) 1,2-Dibromoethane	8.39	107	248690	25.942	ug/L	97
51) Chlorobenzene	8.92	112	810252	25.158	ug/L	100
52) Ethylbenzene	9.05	91	1343754	25.762	ug/L	99
53) m,p-Xylene	9.18	106	526154	26.389	ug/L	98
54) o-Xylene	9.59	106	509451	26.707	ug/L	94
55) Styrene	9.60	104	898381	26.900	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.28	83	308636	26.049	ug/L	100
59) Bromoform	9.77	173	187262	26.081	ug/L	99
60) Isopropylbenzene	9.97	105	1326469	26.256	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	246570	25.841	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	1100428	27.035	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	1119884	27.397	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	684434	25.811	ug/L	100
65) 1,4-Dichlorobenzene	11.32	146	696650	25.017	ug/L	100
67) 1,2-Dichlorobenzene	11.68	146	645468	25.494	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	55921	27.020	ug/L	98
69) 1,3,5-Trichlorobenzene	12.69	180	542991	25.434	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	480966	26.054	ug/L	99
71) Naphthalene	13.55	128	1062756	29.554	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	472078	26.512	ug/L	100

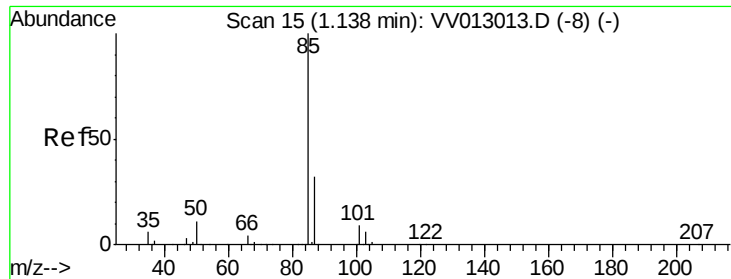
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.784 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

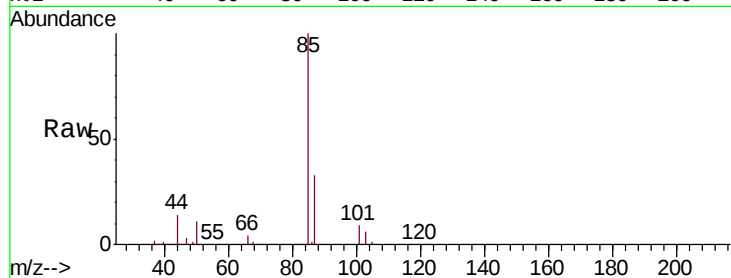
BFB62

Tgt Ion: 85 Resp: 233831

Ion Ratio Lower Upper

85 100

87 32.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV013013.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV013013.D (-8) (-)

1.14

250000

200000

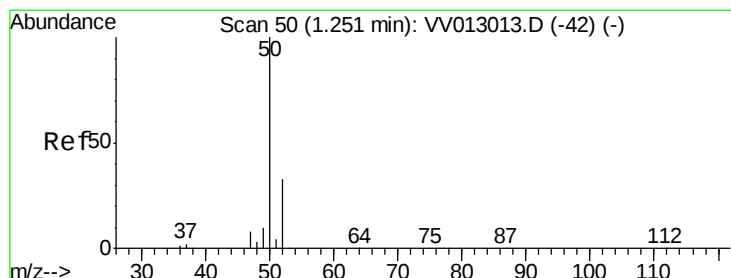
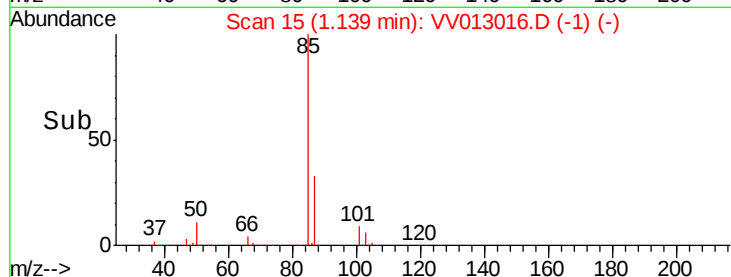
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 26.831 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013016.D

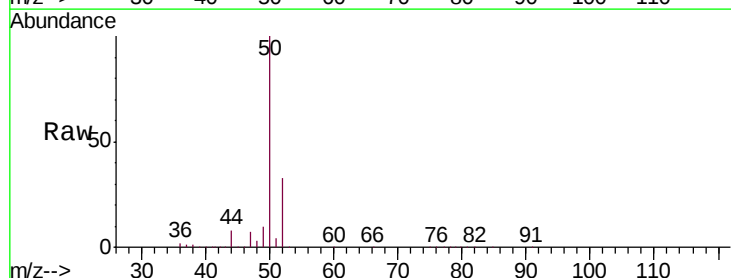
Acq: 30 Sep 2019 13:36

Tgt Ion: 50 Resp: 287511

Ion Ratio Lower Upper

50 100

52 32.7 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV013013.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV013013.D (-42) (-)

1.25

250000

200000

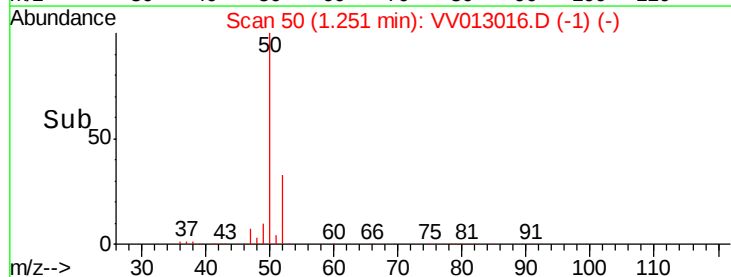
150000

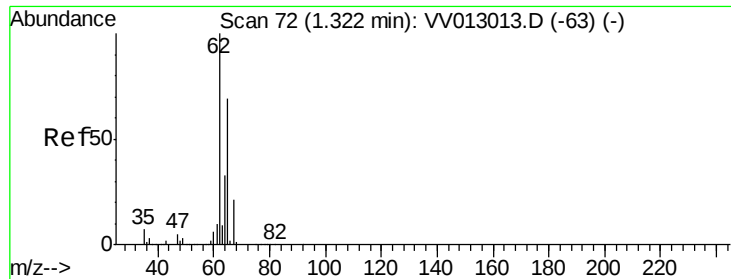
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 25.466 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

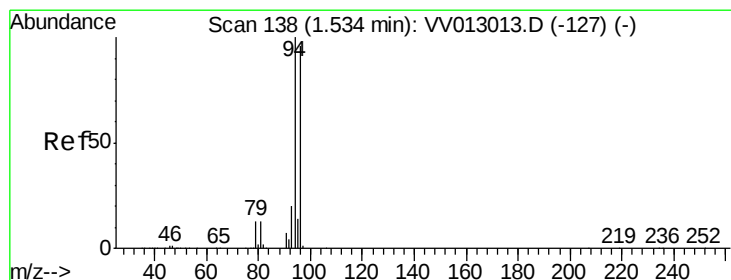
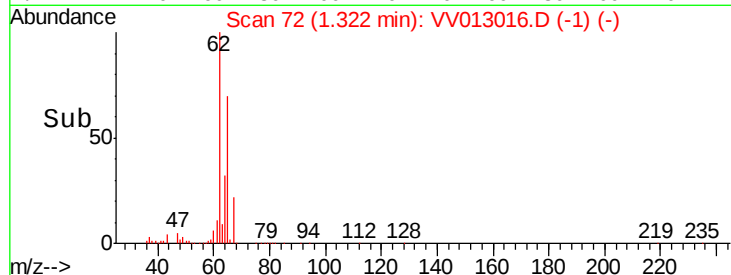
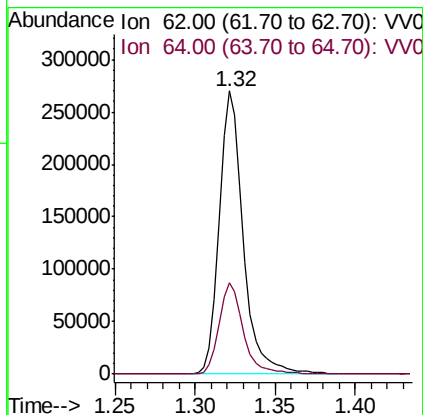
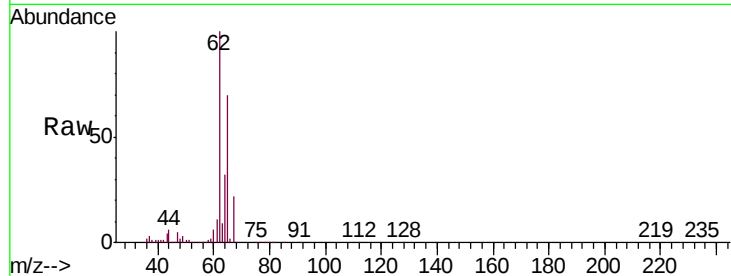
BFB62

Tgt Ion: 62 Resp: 281145

Ion Ratio Lower Upper

62 100

64 32.1 23.1 42.9



#6

Bromomethane

Concen: 26.170 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013016.D

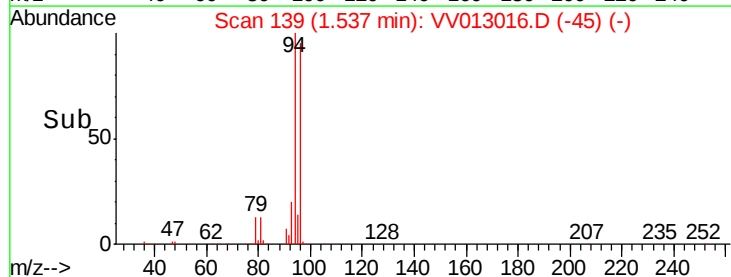
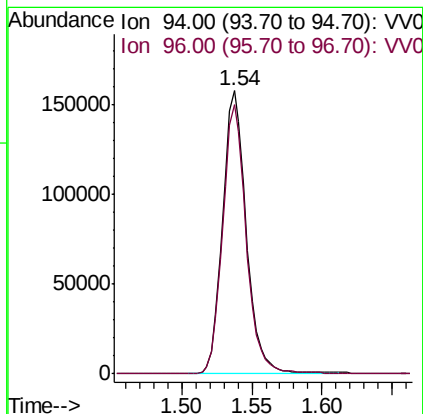
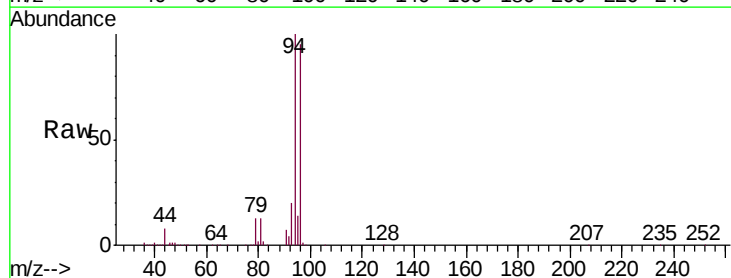
Acq: 30 Sep 2019 13:36

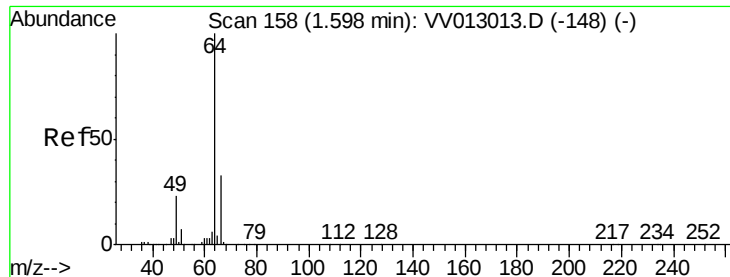
Tgt Ion: 94 Resp: 185598

Ion Ratio Lower Upper

94 100

96 95.3 67.4 125.2





#8

Chloroethane

Concen: 25.654 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

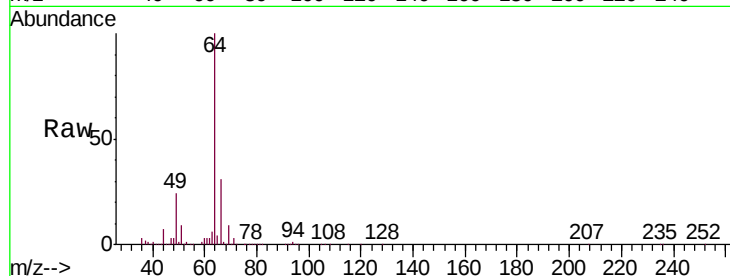
BFB62

Tgt Ion: 64 Resp: 179012

Ion Ratio Lower Upper

64 100

66 31.3 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV013016.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV013016.D (-148) (-)

1.60

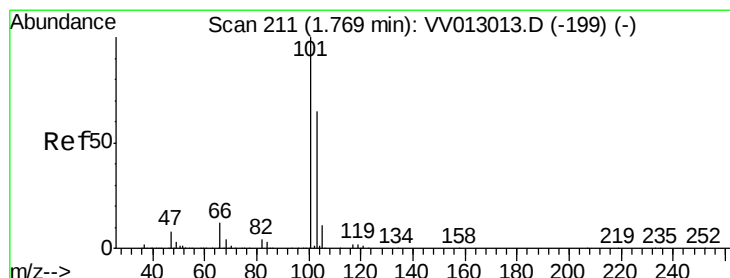
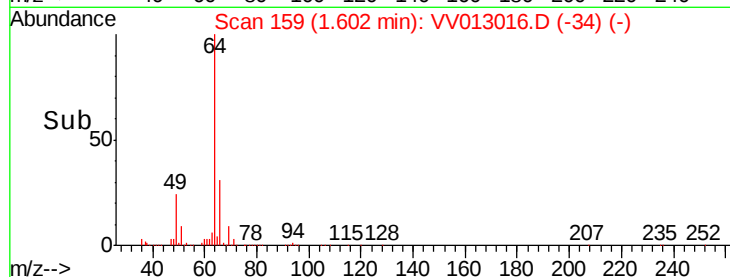
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 24.321 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV013016.D

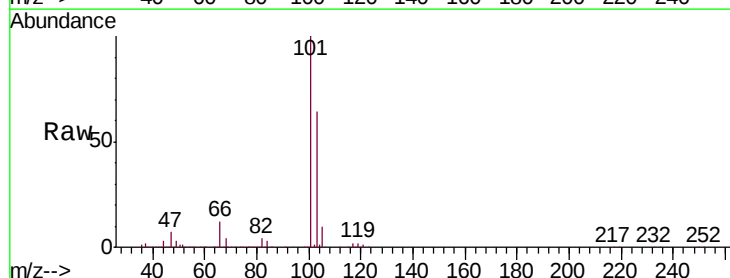
Acq: 30 Sep 2019 13:36

Tgt Ion: 101 Resp: 363690

Ion Ratio Lower Upper

101 100

103 64.2 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VV013016.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV013016.D (-199) (-)

1.77

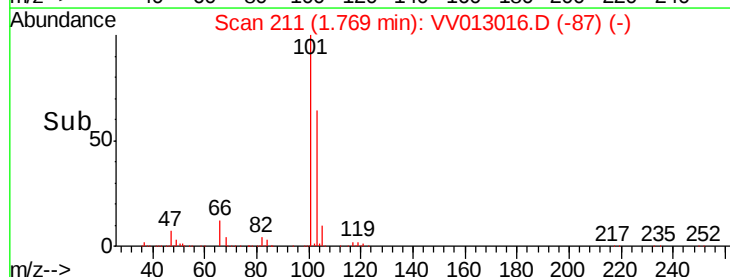
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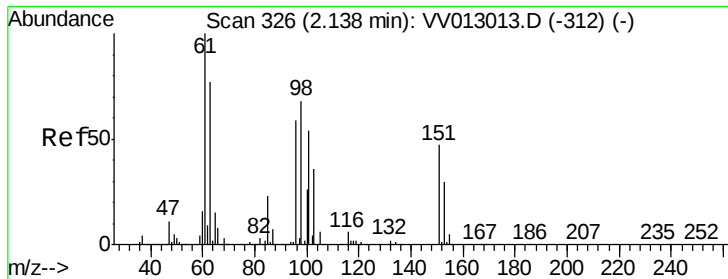
200000

100000

0

Time-->





#10

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

Concen: 24.010 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013016.D

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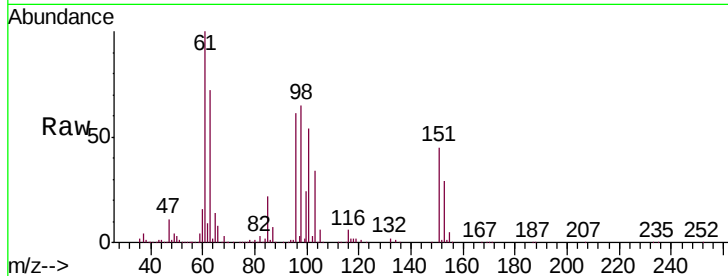
Tgt Ion:101 Resp: 230136

Ion Ratio Lower Upper

101 100

85 41.0 33.6 50.4

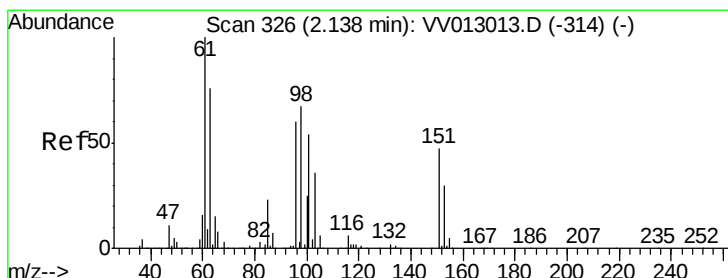
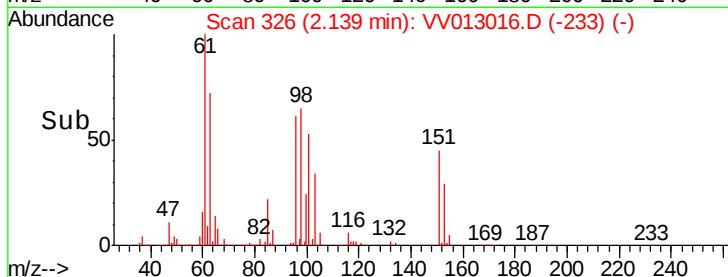
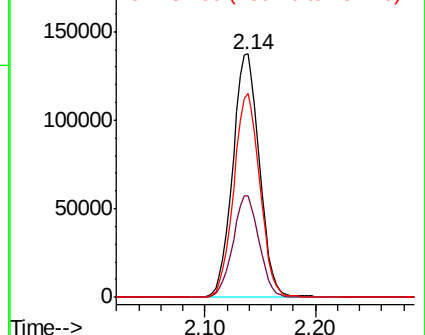
151 82.0 66.9 100.3



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: 24.378 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

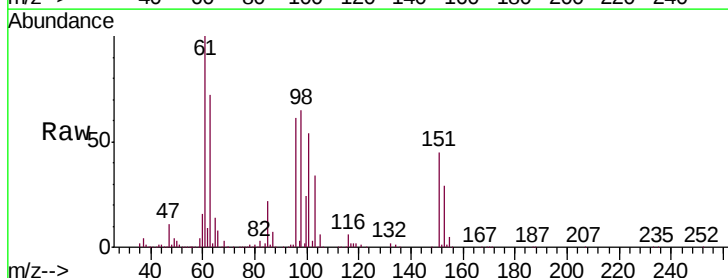
Tgt Ion: 96 Resp: 219465

Ion Ratio Lower Upper

96 100

61 163.4 117.7 218.7

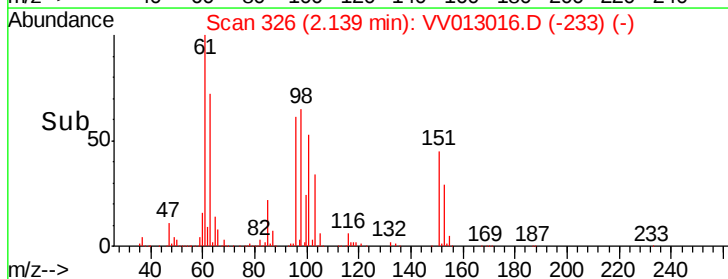
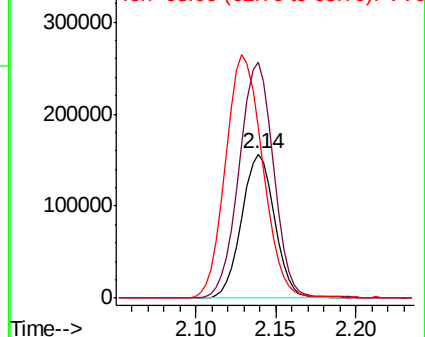
63 118.0 90.4 168.0

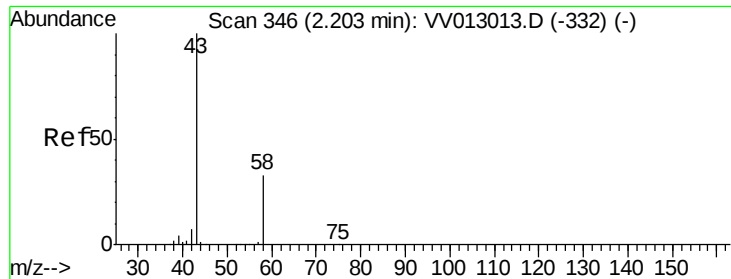


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 47.497 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.01 min

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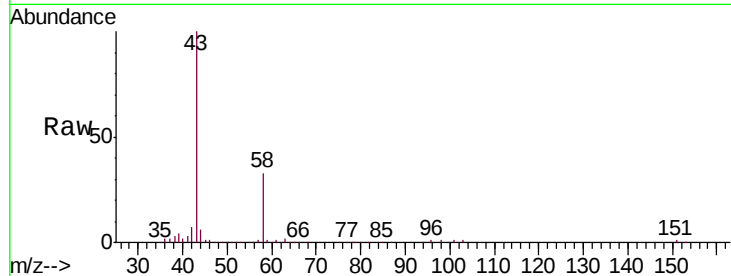
BFB62

Tgt Ion: 43 Resp: 198639

Ion Ratio Lower Upper

43 100

58 33.2 0.0 65.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.21

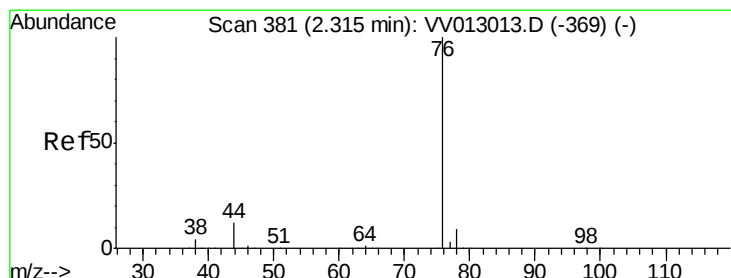
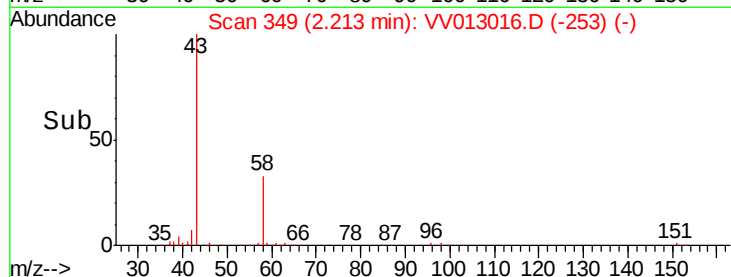
60000

40000

20000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 25.206 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013016.D

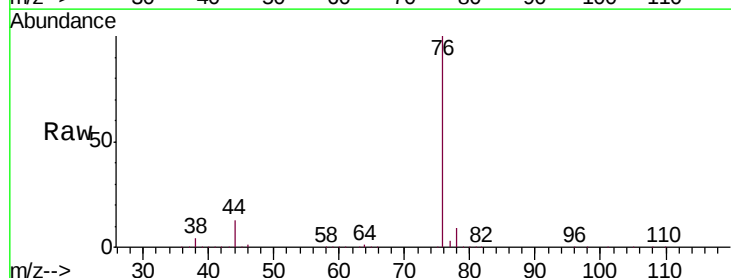
Acq: 30 Sep 2019 13:36

Tgt Ion: 76 Resp: 696424

Ion Ratio Lower Upper

76 100

78 9.1 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

500000

400000

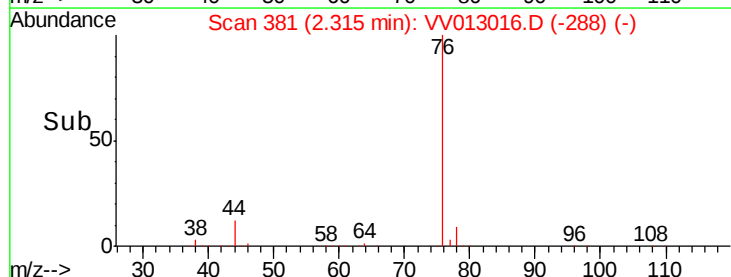
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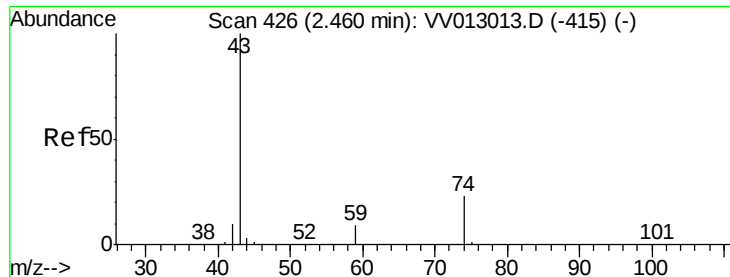
200000

100000

0

Time--> 2.30 2.40

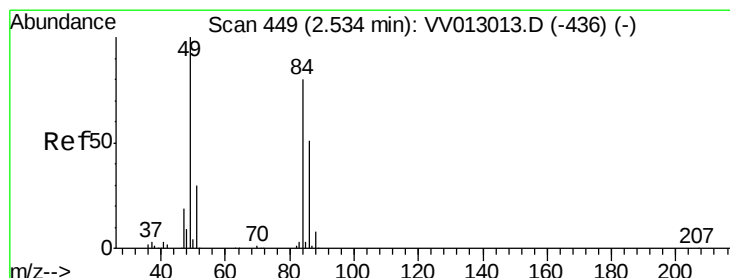
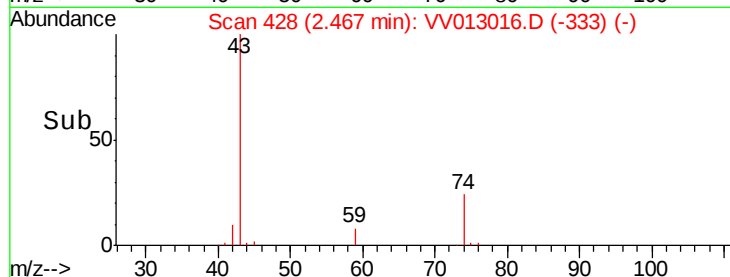
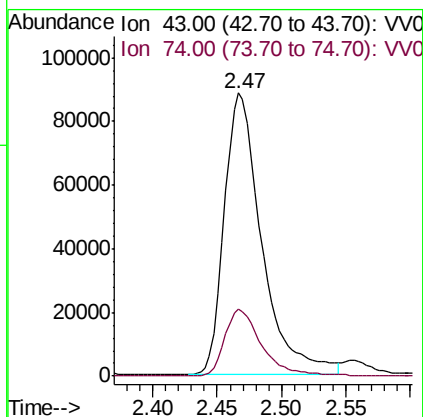
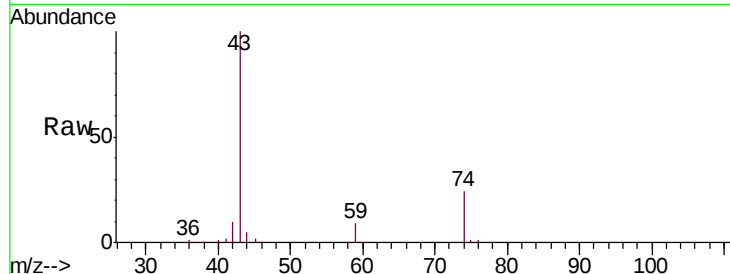




#15
Methyl Acetate
Concen: 27.719 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VV013016.D
Acq: 30 Sep 2019 13:36

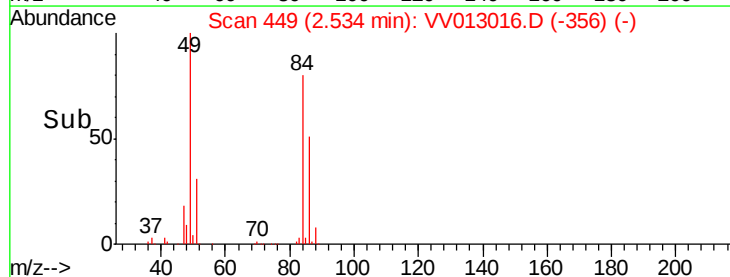
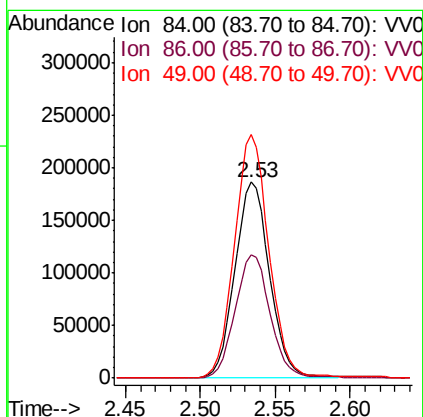
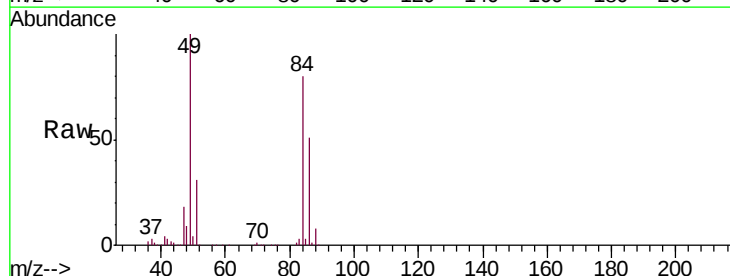
Instrument :
MSVOA_V
ClientSampleId :
BFB62

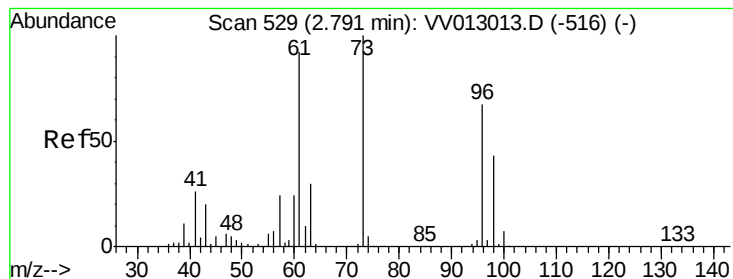
Tgt Ion: 43 Resp: 178887
Ion Ratio Lower Upper
43 100
74 23.5 18.5 27.7



#16
Methylene chloride
Concen: 23.417 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013016.D
Acq: 30 Sep 2019 13:36

Tgt Ion: 84 Resp: 301267
Ion Ratio Lower Upper
84 100
86 62.8 44.5 82.7
49 124.2 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 24.879 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

Instrument :

MSVOA_V

ClientSampled :

BFB62

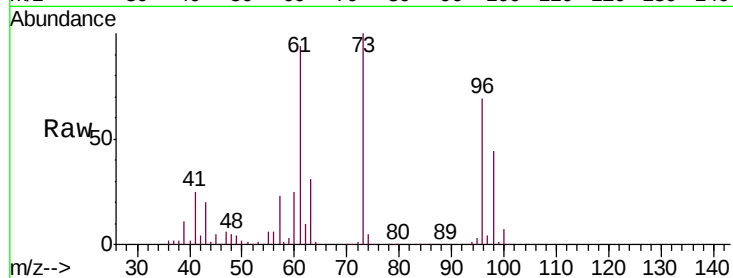
Tgt Ion: 96 Resp: 264020

Ion Ratio Lower Upper

96 100

61 136.3 95.8 177.8

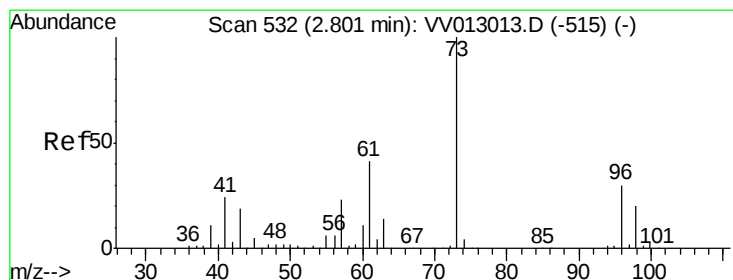
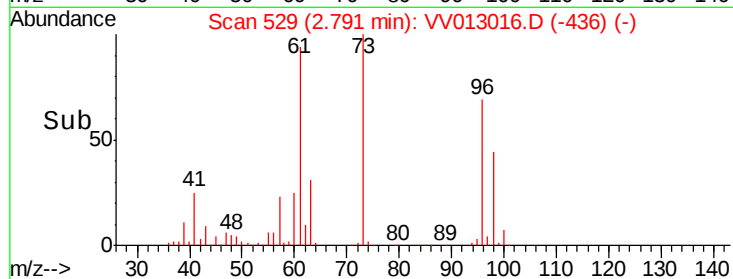
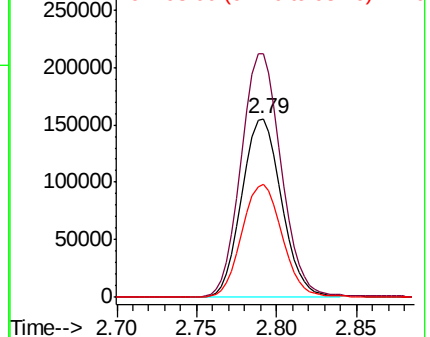
98 63.4 45.1 83.7



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: 26.417 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

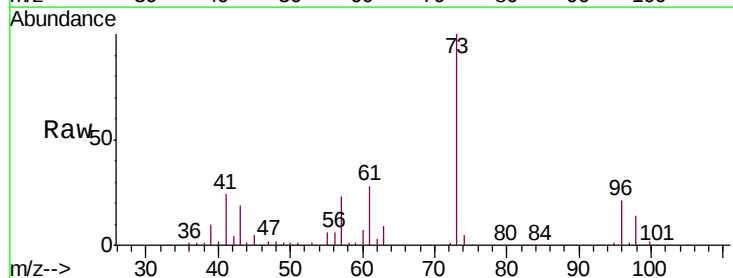
Tgt Ion: 73 Resp: 705200

Ion Ratio Lower Upper

73 100

43 18.8 15.1 22.7

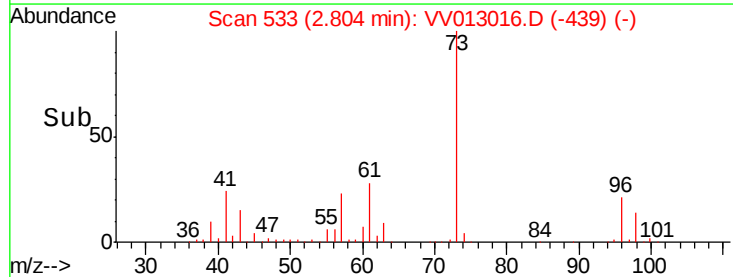
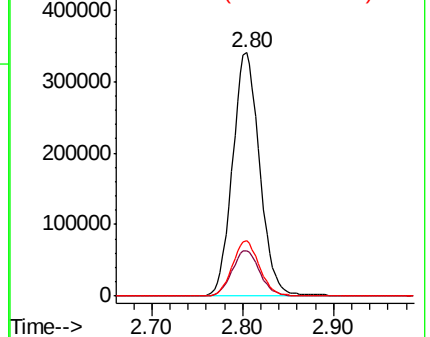
57 22.7 18.1 27.1

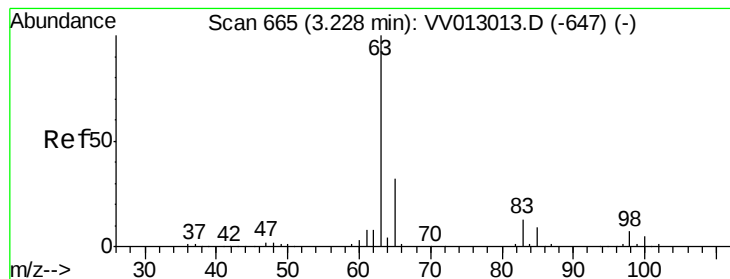


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 25.089 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

BFB62

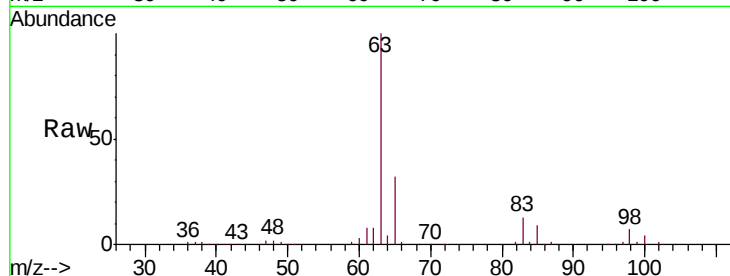
Tgt Ion: 63 Resp: 488644

Ion Ratio Lower Upper

63 100

65 31.7 22.4 41.6

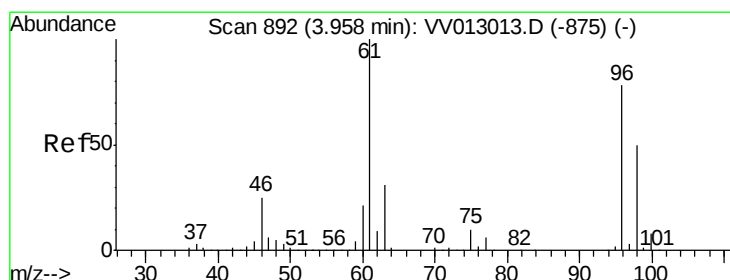
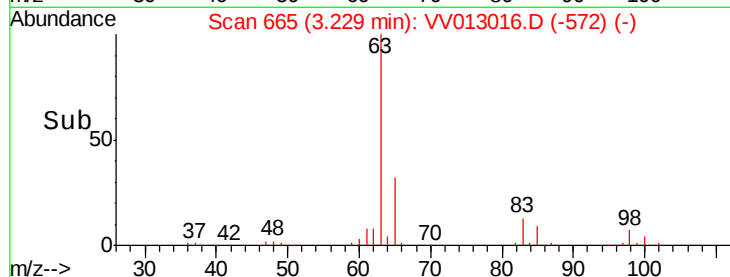
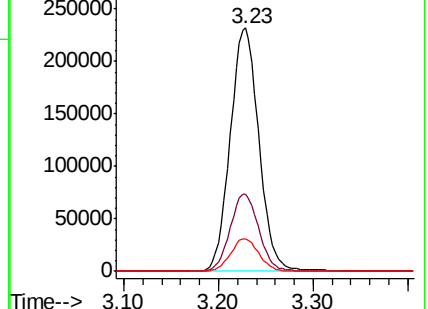
83 13.2 9.0 16.6



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: 25.320 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

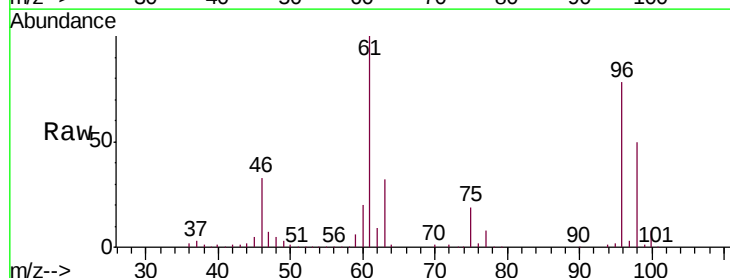
Tgt Ion: 96 Resp: 298854

Ion Ratio Lower Upper

96 100

61 128.2 89.5 166.3

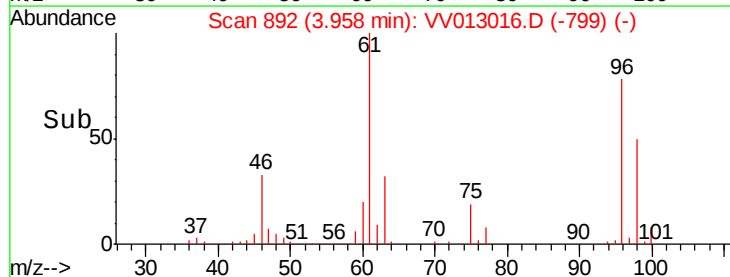
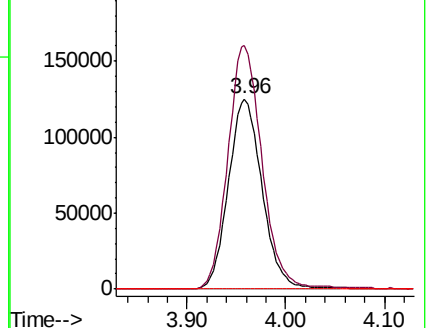
68 0.0 0.0 0.0

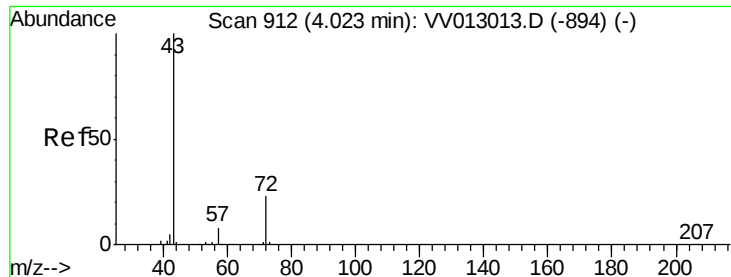


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 56.824 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.01 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

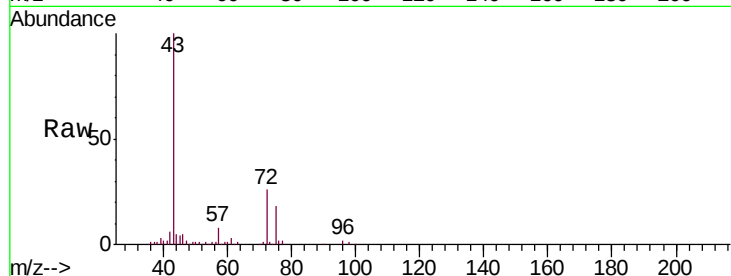
BFB62

Tgt Ion: 43 Resp: 260484

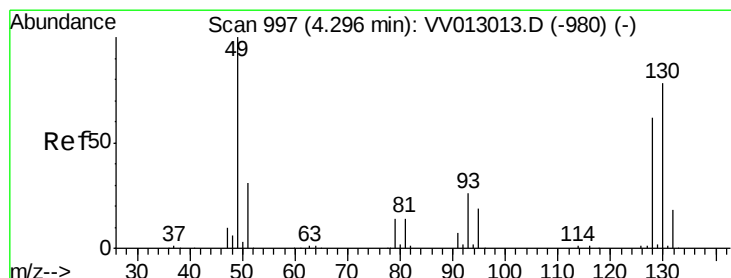
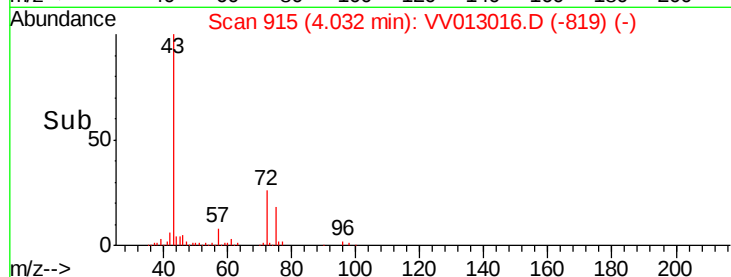
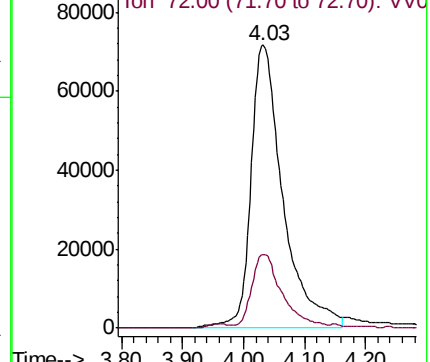
Ion Ratio Lower Upper

43 100

72 23.5 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VV013016.D (-819) (-)



#23

Bromochloromethane

Concen: 25.455 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

Tgt Ion: 128 Resp: 147297

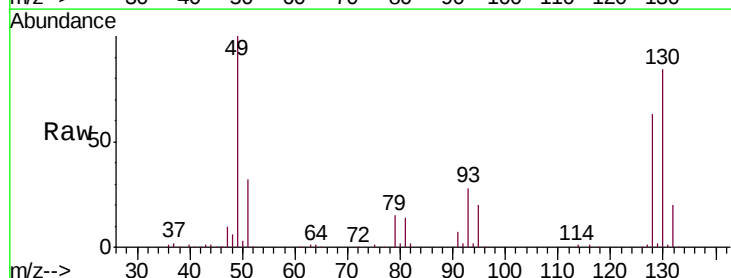
Ion Ratio Lower Upper

128 100

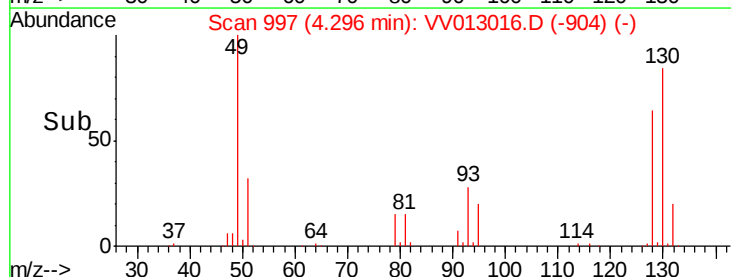
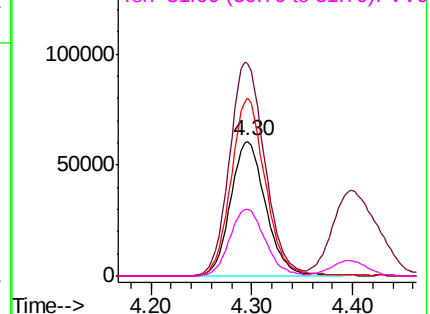
49 157.7 113.6 211.0

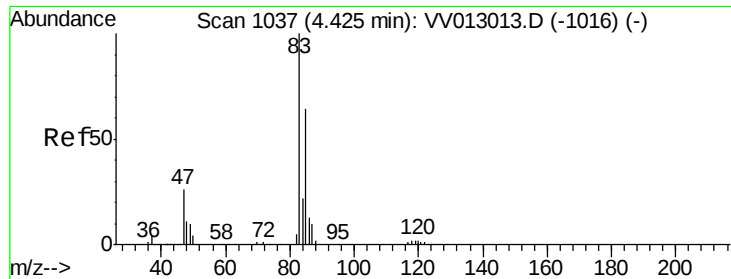
130 131.7 88.0 163.4

51 49.8 40.2 60.2



Abundance Ion 128.00 (127.70 to 128.70): VV013016.D (-904) (-)

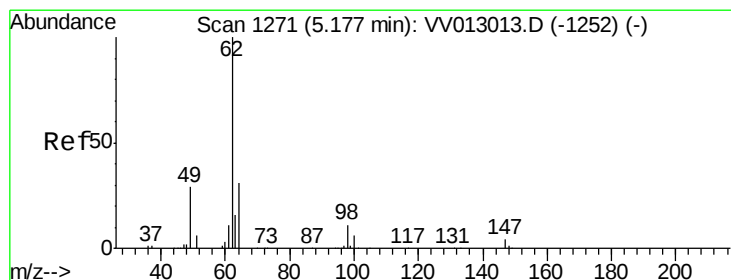
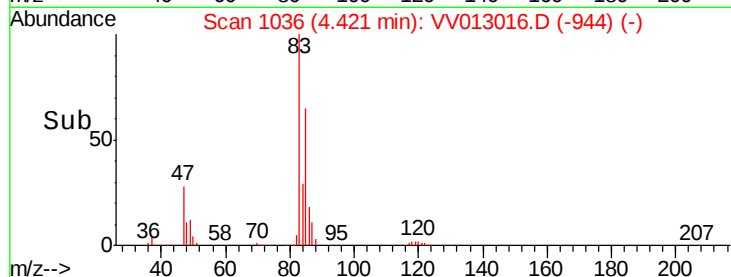
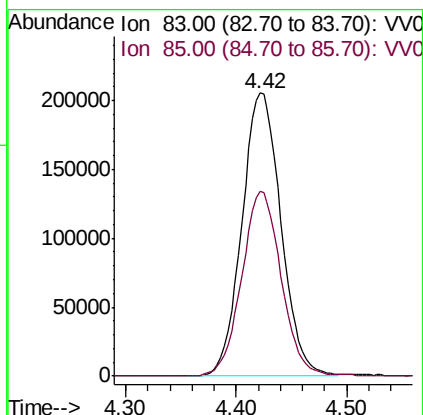
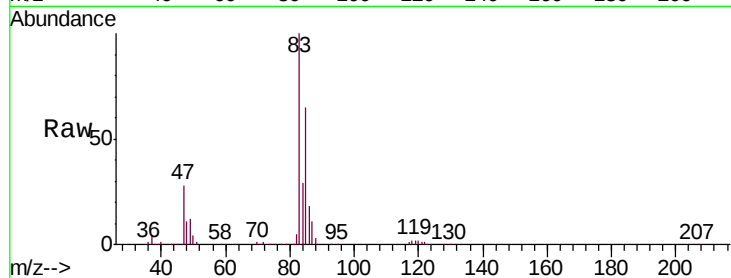




#25
Chloroform
Concen: 24.843 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV013016.D
Acq: 30 Sep 2019 13:36

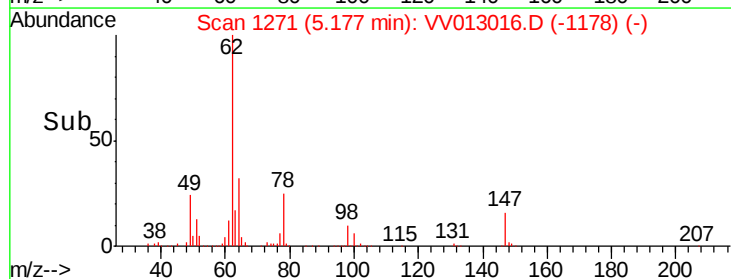
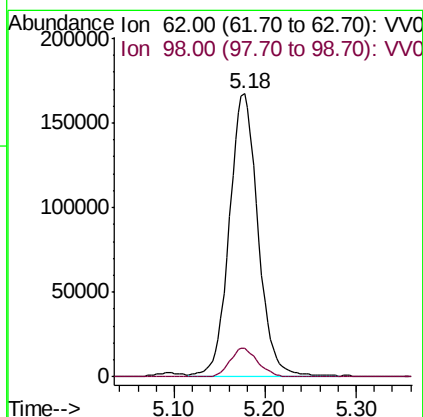
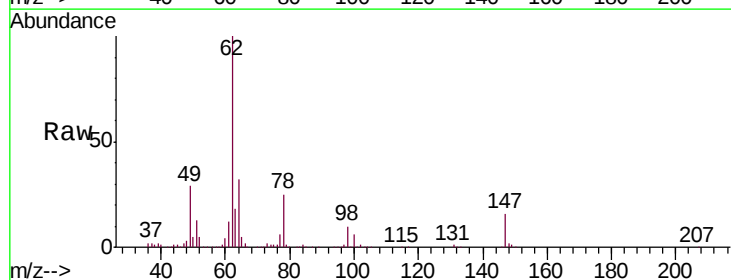
Instrument :
MSVOA_V
ClientSampled :
BFB62

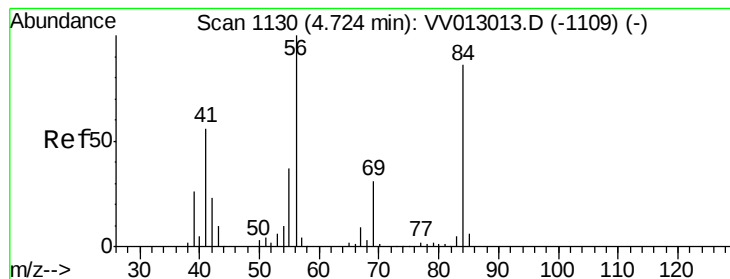
Tgt Ion: 83 Resp: 504456
Ion Ratio Lower Upper
83 100
85 65.4 44.7 82.9



#27
1,2-Dichloroethane
Concen: 26.097 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013016.D
Acq: 30 Sep 2019 13:36

Tgt Ion: 62 Resp: 364277
Ion Ratio Lower Upper
62 100
98 10.0 8.5 12.7





#29

Cyclohexane

Concen: 25.144 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

BFB62

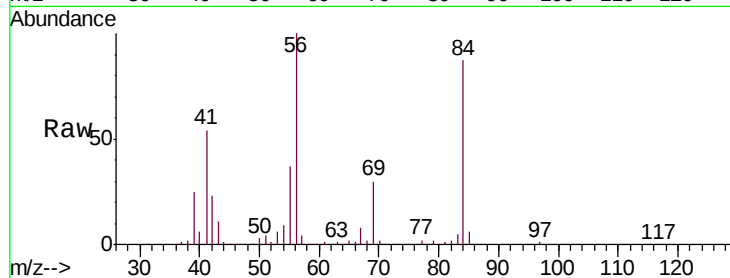
Tgt Ion: 56 Resp: 432225

Ion Ratio Lower Upper

56 100

69 29.9 24.2 36.4

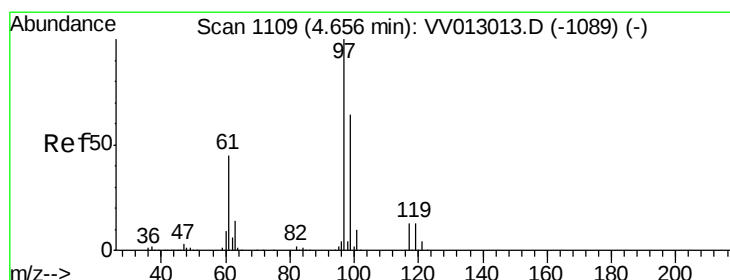
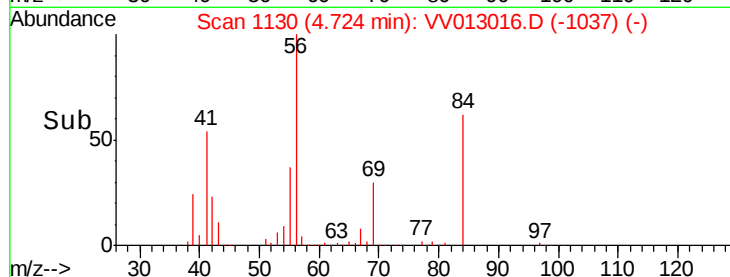
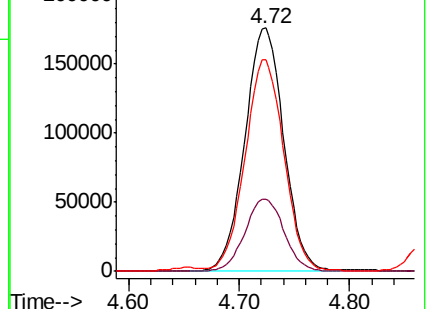
84 86.1 69.6 104.4



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 24.357 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

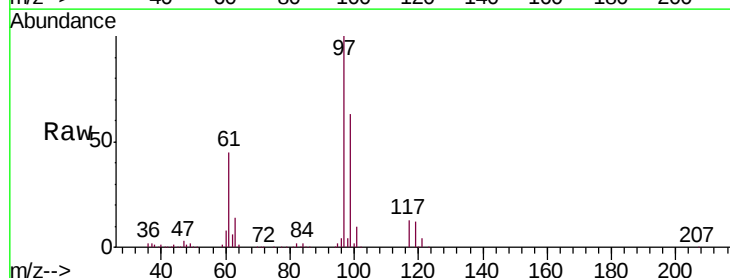
Tgt Ion: 97 Resp: 388482

Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

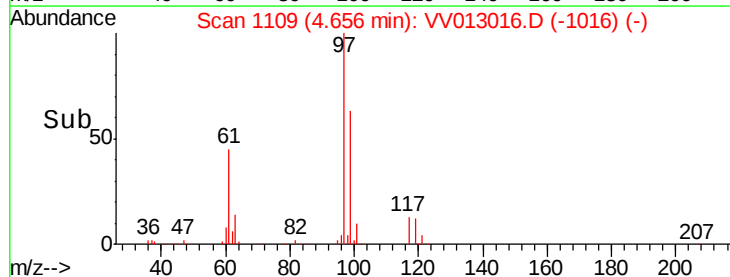
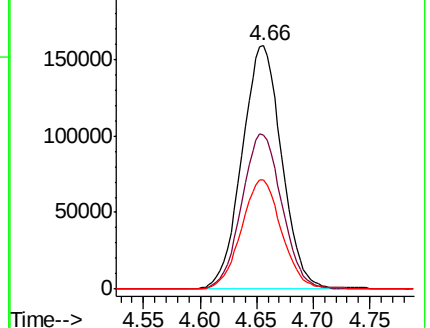
61 45.8 36.1 54.1

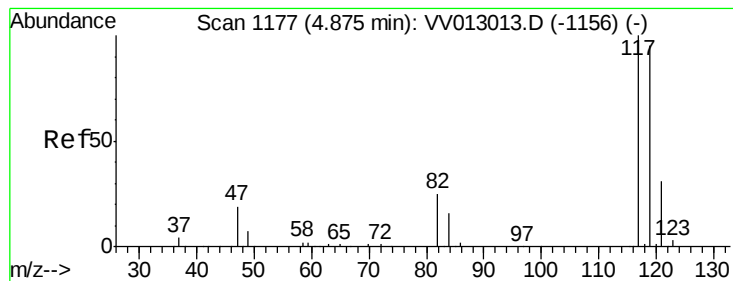


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 24.200 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

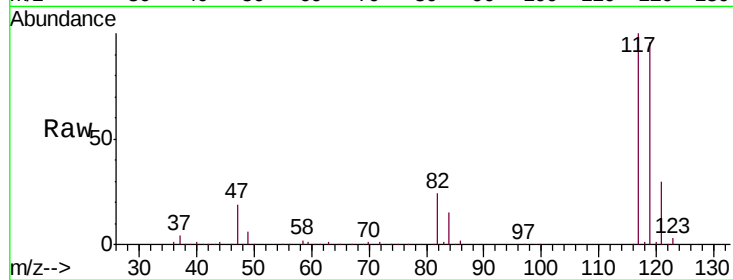
BFB62

Tgt Ion:117 Resp: 347457

Ion Ratio Lower Upper

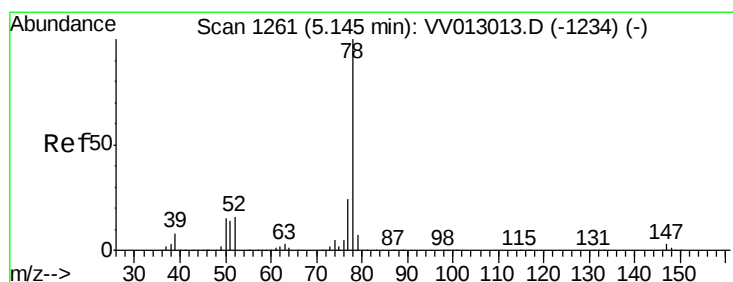
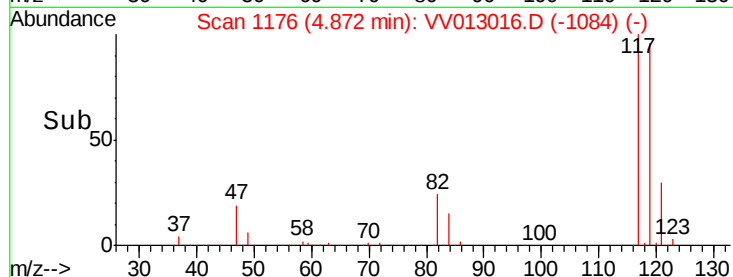
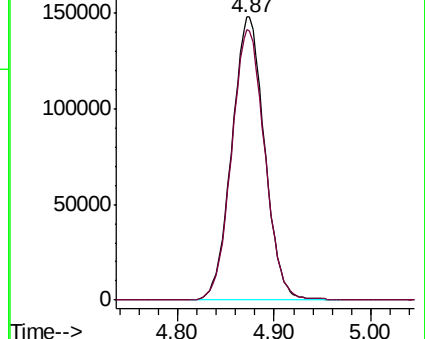
117 100

119 96.6 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 25.176 ug/L

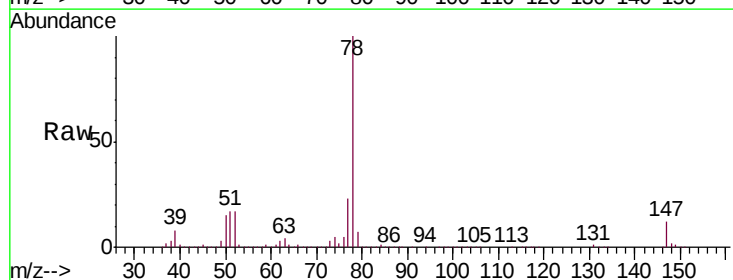
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

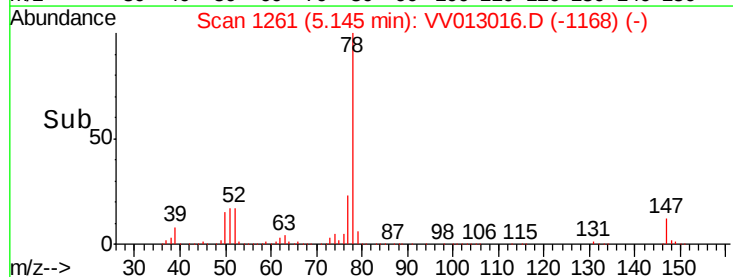
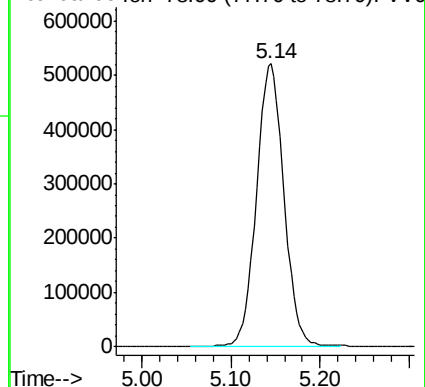
Lab File: VV013016.D

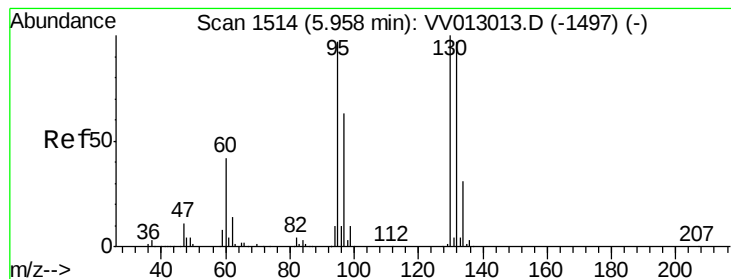
Acq: 30 Sep 2019 13:36

Tgt Ion: 78 Resp: 1123981



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 24.569 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

BFB62

Tgt Ion: 95 Resp: 297136

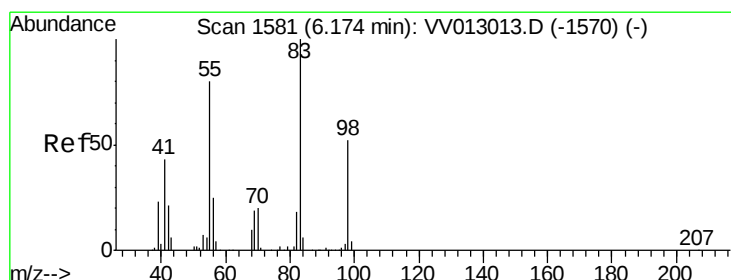
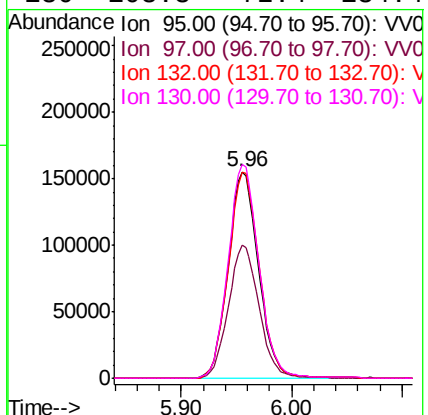
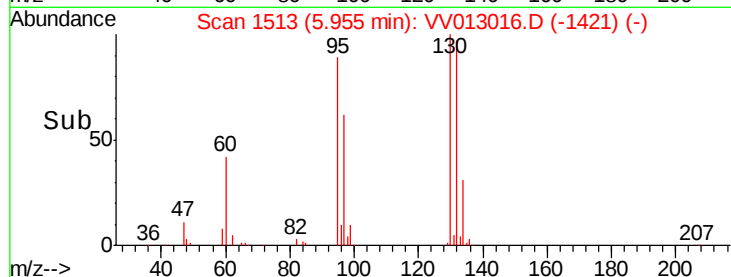
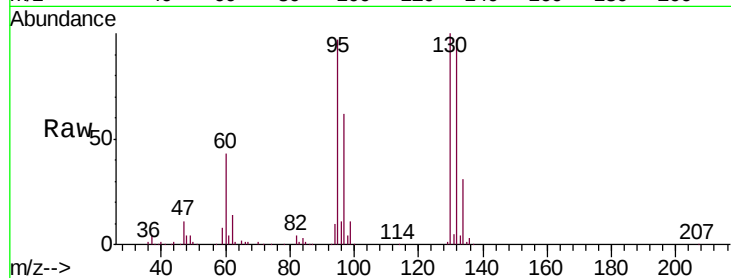
Ion Ratio Lower Upper

95 100

97 64.2 45.4 84.2

132 99.8 70.1 130.3

130 103.3 72.4 134.4



#35

Methylcyclohexane

Concen: 24.923 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

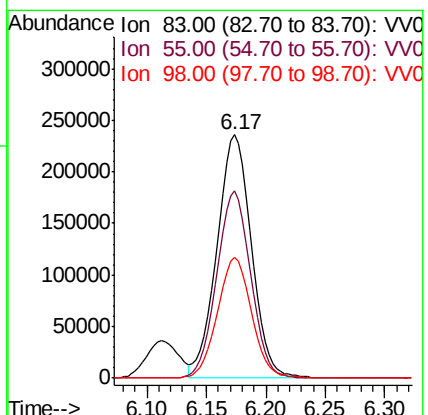
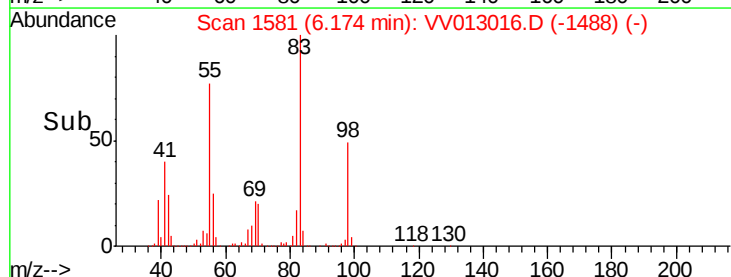
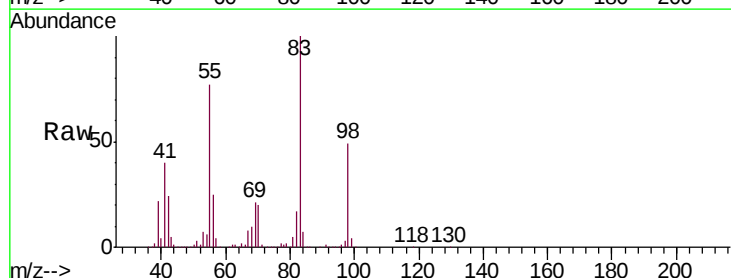
Tgt Ion: 83 Resp: 473100

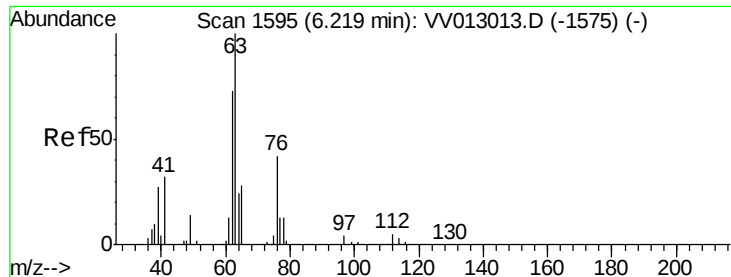
Ion Ratio Lower Upper

83 100

55 75.7 61.9 92.9

98 48.9 40.0 60.0

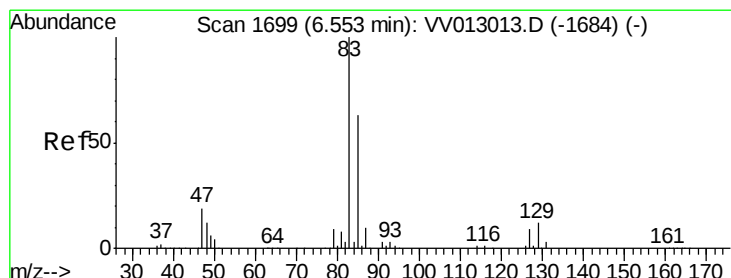
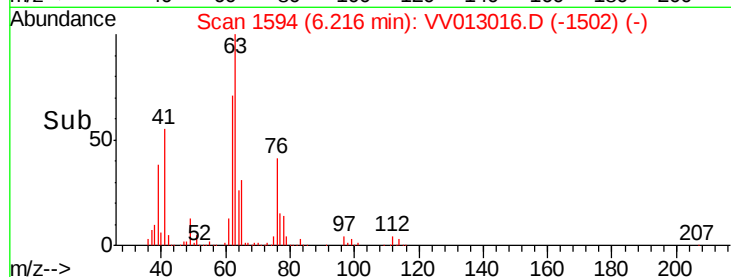
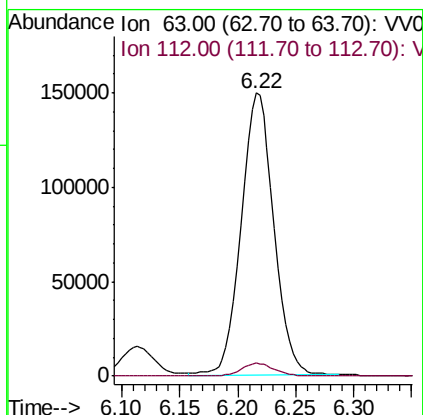
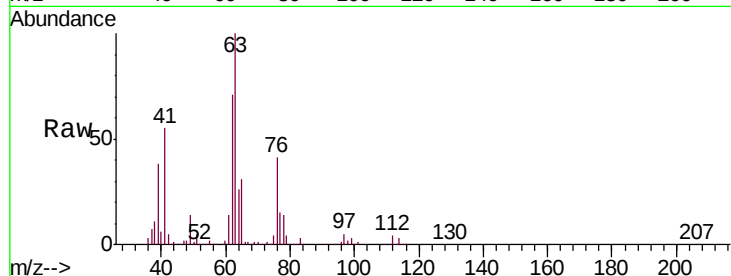




#37
 1,2-Dichloropropane
 Concen: 25.544 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV013016.D
 Acq: 30 Sep 2019 13:36

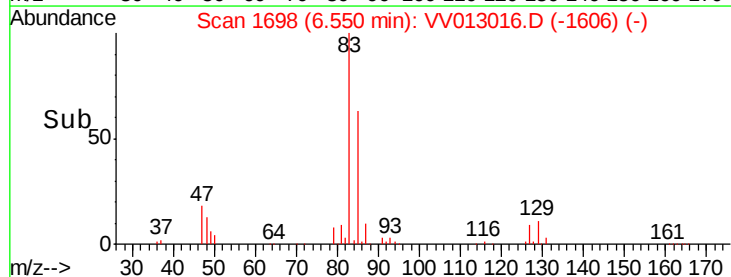
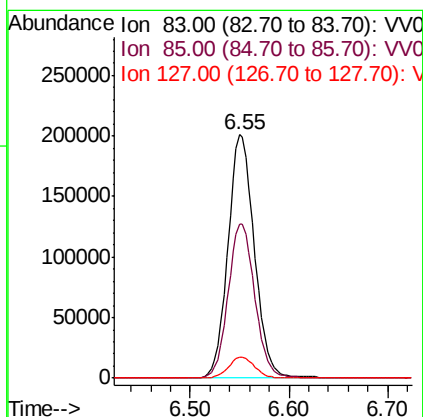
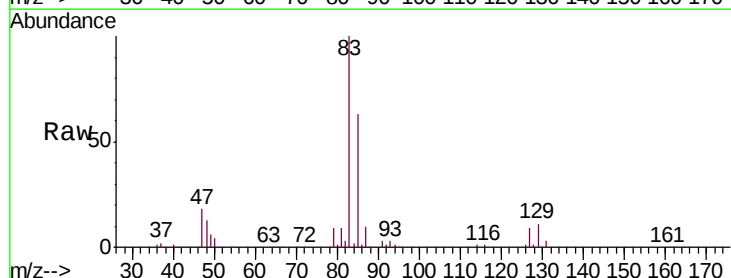
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB62

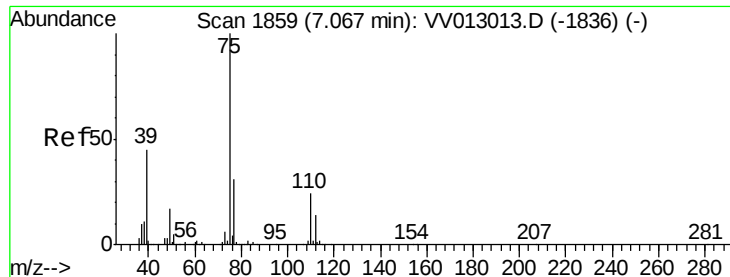
Tgt Ion: 63 Resp: 292600
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.8



#38
 Bromodichloromethane
 Concen: 25.202 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013016.D
 Acq: 30 Sep 2019 13:36

Tgt Ion: 83 Resp: 376851
 Ion Ratio Lower Upper
 83 100
 85 63.1 43.9 81.5
 127 8.5 7.0 10.6



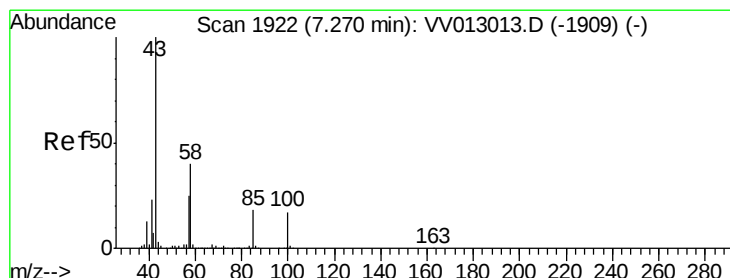
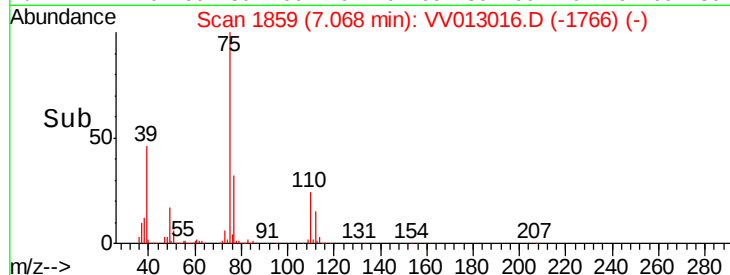
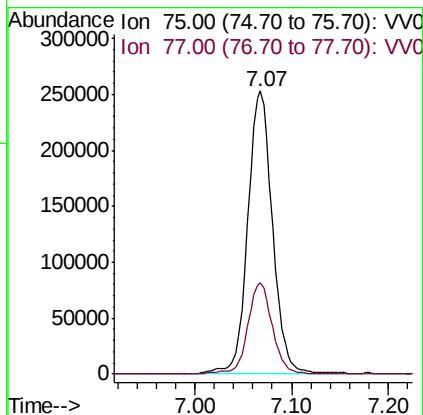
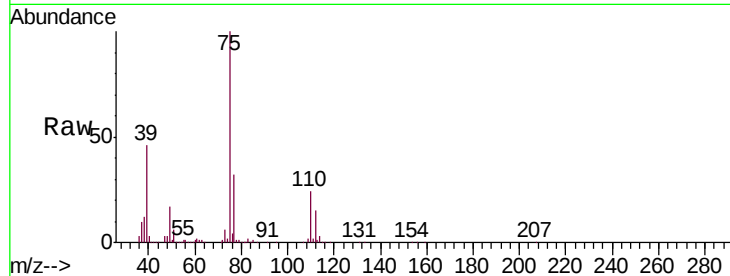


#39

cis-1,3-Dichloropropene
Concen: 26.164 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV013016.D
Acq: 30 Sep 2019 13:36

Instrument :
MSVOA_V
ClientSampleId :
BFB62

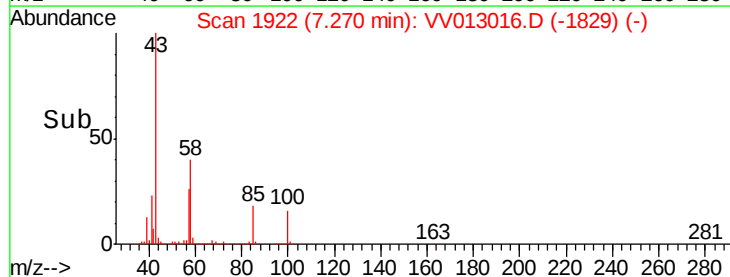
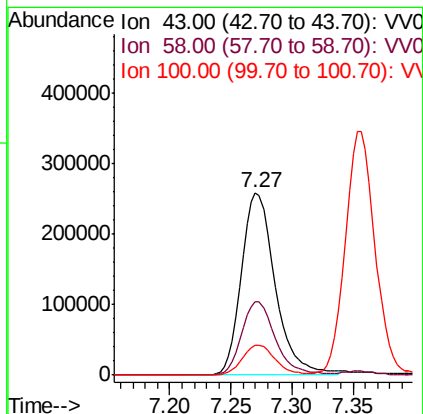
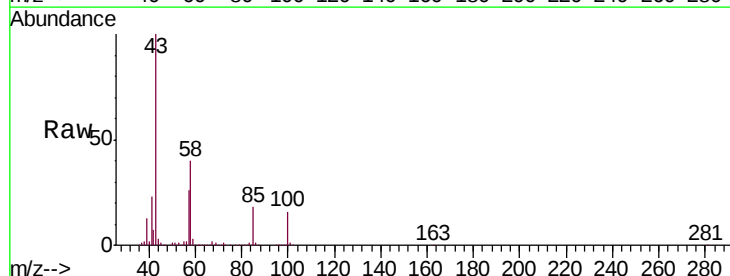
Tgt Ion: 75 Resp: 451285
Ion Ratio Lower Upper
75 100
77 32.1 21.8 40.4

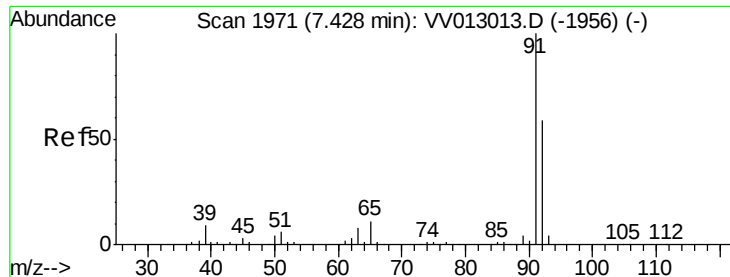


#40

4-Methyl-2-pentanone
Concen: 53.994 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV013016.D
Acq: 30 Sep 2019 13:36

Tgt Ion: 43 Resp: 494318
Ion Ratio Lower Upper
43 100
58 40.3 31.8 47.8
100 16.0 12.8 19.2





#42

Toluene

Concen: 25.667 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

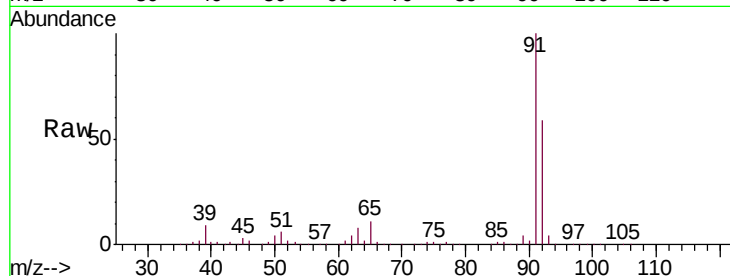
BFB62

Tgt Ion: 91 Resp: 1218719

Ion Ratio Lower Upper

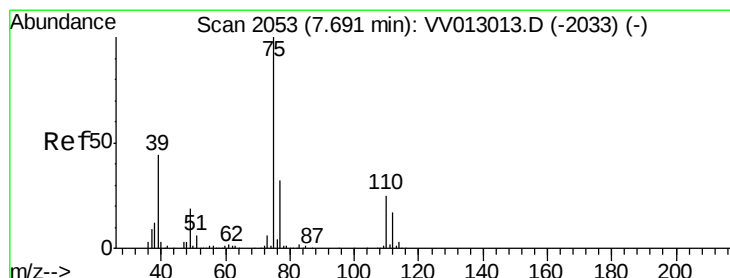
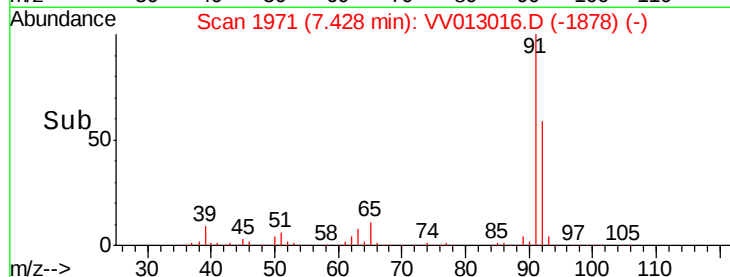
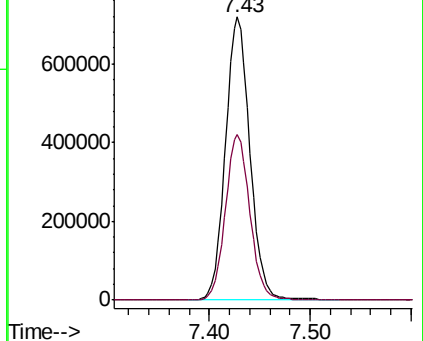
91 100

92 58.6 41.1 76.3



Abundance Ion 91.00 (90.70 to 91.70): VV013016.D (-1878) (-)

Ion 92.00 (91.70 to 92.70): VV013016.D (-1878) (-)



#44

trans-1,3-Dichloropropene

Concen: 26.264 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013016.D

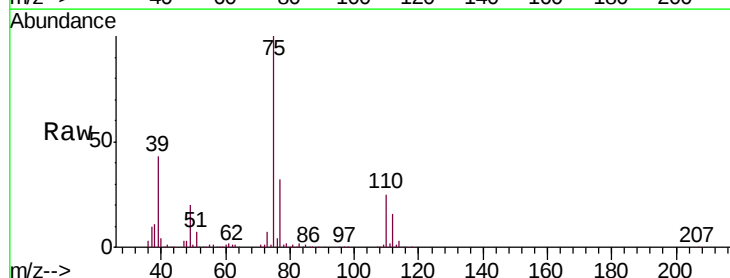
Acq: 30 Sep 2019 13:36

Tgt Ion: 75 Resp: 371961

Ion Ratio Lower Upper

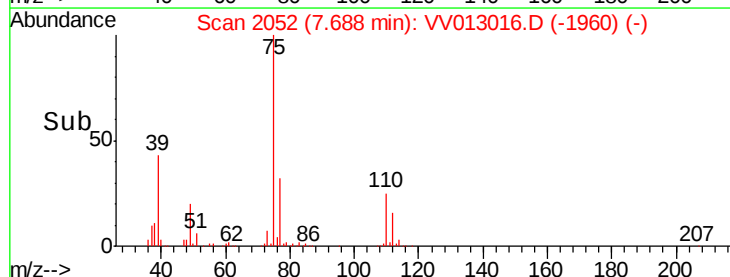
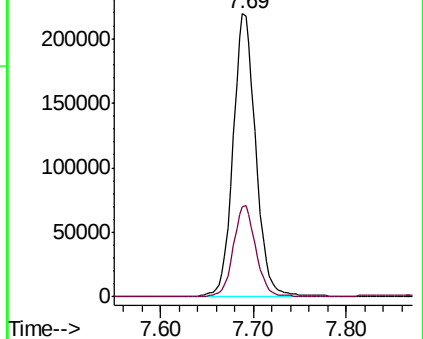
75 100

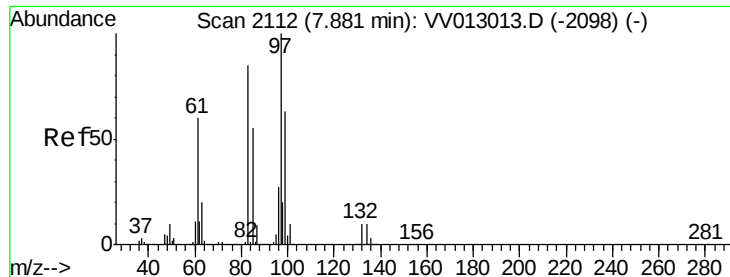
77 31.9 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VV013016.D (-1960) (-)

Ion 77.00 (76.70 to 77.70): VV013016.D (-1960) (-)

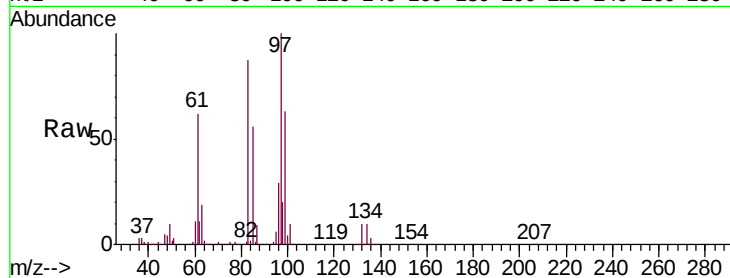




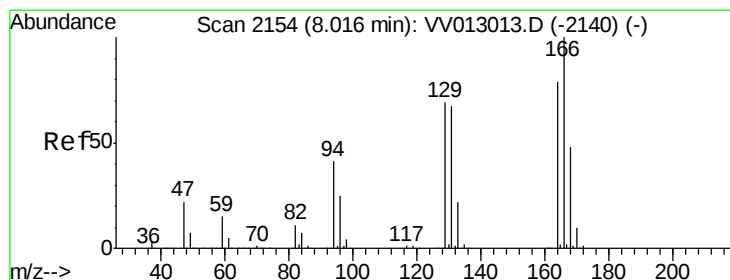
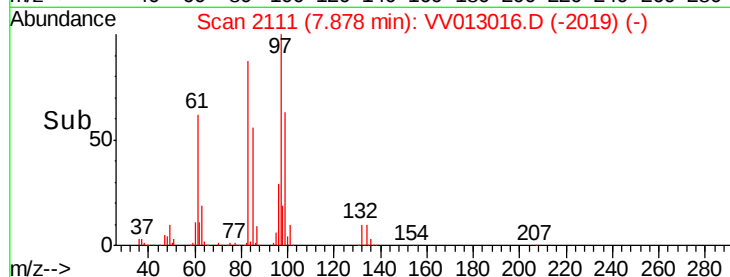
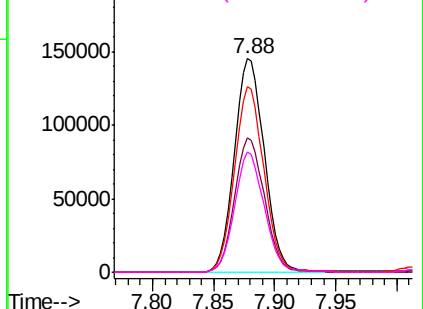
#45
1,1,2-Trichloroethane
Concen: 25.546 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VV013016.D
Acq: 30 Sep 2019 13:36

Instrument :
MSVOA_V
ClientSampleId :
BFB62

Tgt Ion: 97 Resp: 248240
Ion Ratio Lower Upper
97 100
99 62.7 44.2 82.2
83 87.0 59.7 110.9
85 56.2 38.6 71.6

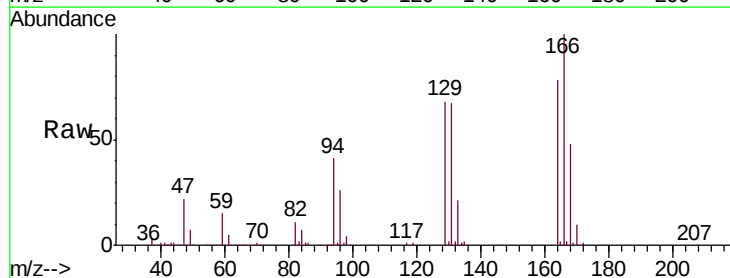


Abundance Ion 97.00 (96.70 to 97.70): VV013016.D (-2098) (-)
Ion 99.00 (98.70 to 99.70): VV013016.D (-2098) (-)
Ion 83.00 (82.70 to 83.70): VV013016.D (-2098) (-)
Ion 85.00 (84.70 to 85.70): VV013016.D (-2098) (-)

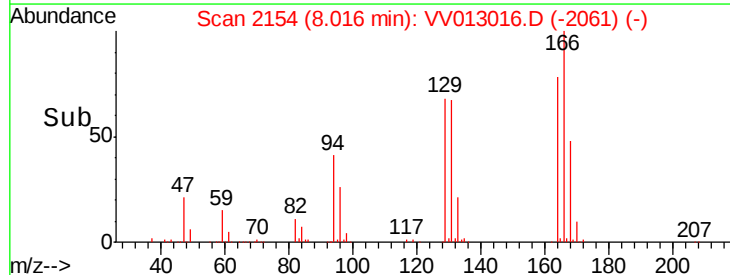
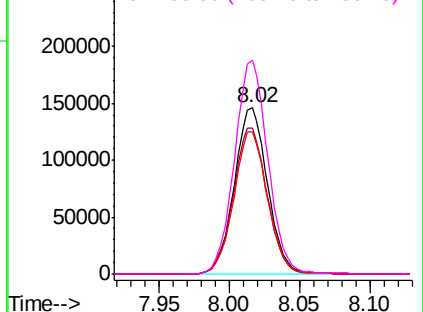


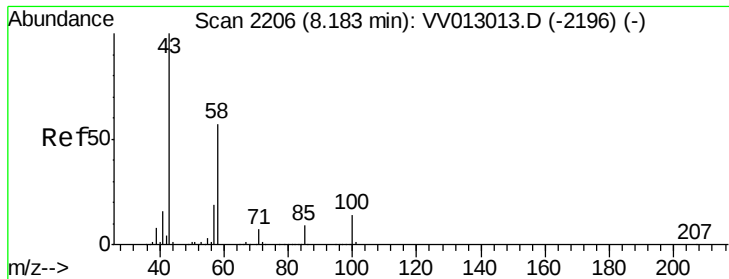
#46
Tetrachloroethene
Concen: 24.152 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013016.D
Acq: 30 Sep 2019 13:36

Tgt Ion: 164 Resp: 241675
Ion Ratio Lower Upper
164 100
129 87.8 61.2 113.6
131 85.8 59.9 111.3
166 128.5 89.1 165.5



Abundance Ion 164.00 (163.70 to 164.70): VV013016.D (-2061) (-)
Ion 129.00 (128.70 to 129.70): VV013016.D (-2061) (-)
Ion 131.00 (130.70 to 131.70): VV013016.D (-2061) (-)
Ion 166.00 (165.70 to 166.70): VV013016.D (-2061) (-)

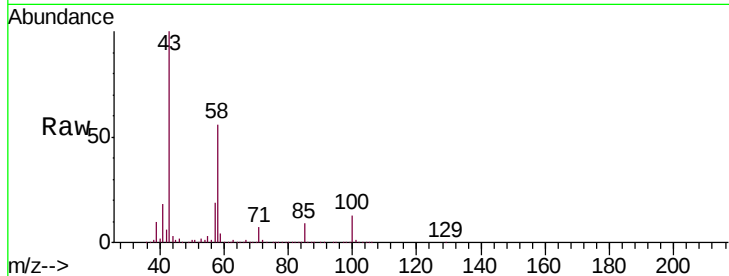




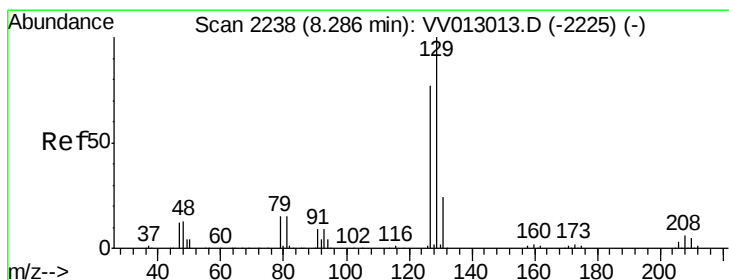
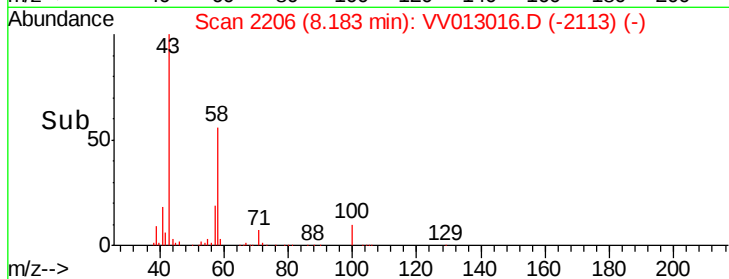
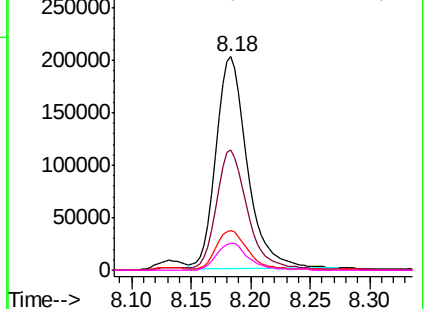
#48
2-Hexanone
Concen: 55.378 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013016.D
Acq: 30 Sep 2019 13:36

Instrument :
MSVOA_V
ClientSampleId :
BFB62

Tgt Ion:	43	Resp:	369135
Ion	Ratio	Lower	Upper
43	100		
58	55.4	44.9	67.3
57	18.7	15.2	22.8
100	13.0	10.5	15.7

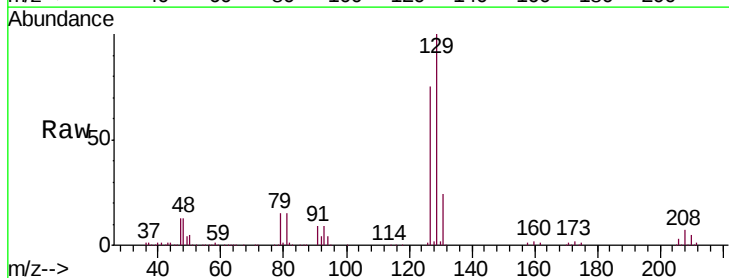


Abundance Ion 43.00 (42.70 to 43.70): VV013013.D (-2196) (-)
Ion 58.00 (57.70 to 58.70): VV013013.D (-2196) (-)
Ion 57.00 (56.70 to 57.70): VV013013.D (-2196) (-)
Ion 100.00 (99.70 to 100.70): VV013013.D (-2196) (-)

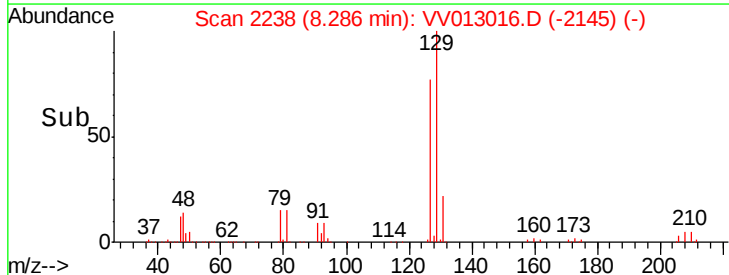
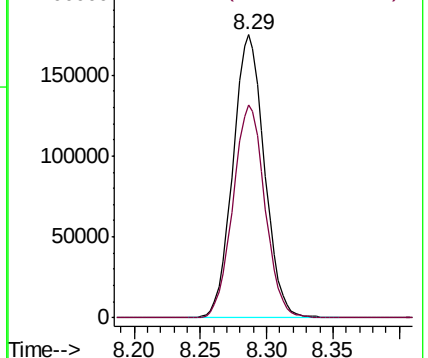


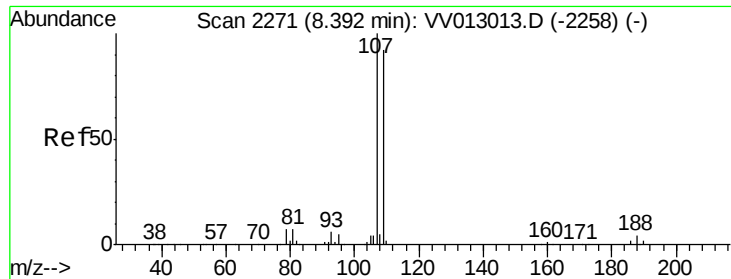
#49
Dibromochloromethane
Concen: 26.075 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013016.D
Acq: 30 Sep 2019 13:36

Tgt Ion:	129	Resp:	288923
Ion	Ratio	Lower	Upper
129	100		
127	75.1	53.9	100.1



Abundance Ion 129.00 (128.70 to 129.70): VV013013.D (-2225) (-)
Ion 127.00 (126.70 to 127.70): VV013013.D (-2225) (-)

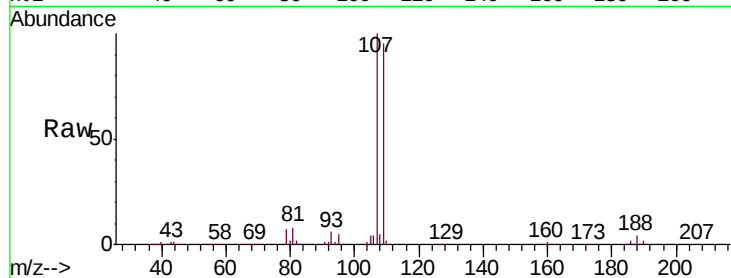




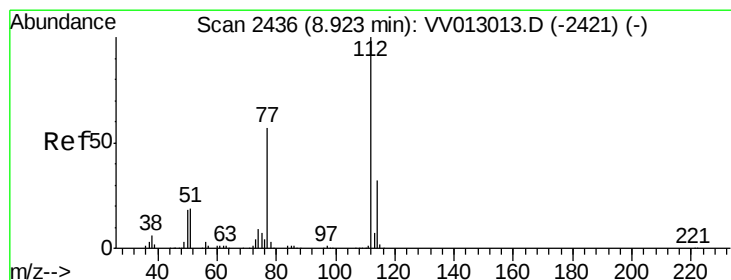
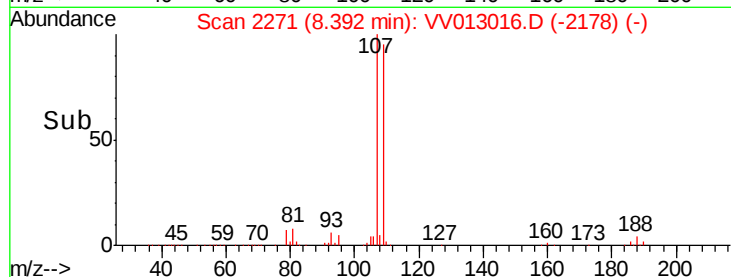
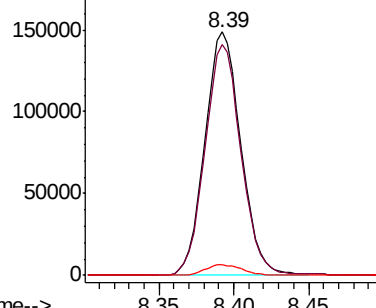
#50
1,2-Dibromoethane
Concen: 25.942 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013016.D
Acq: 30 Sep 2019 13:36

Instrument :
MSVOA_V
ClientSampleId :
BFB62

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.0	64.7	120.1
188	4.3	3.7	5.5

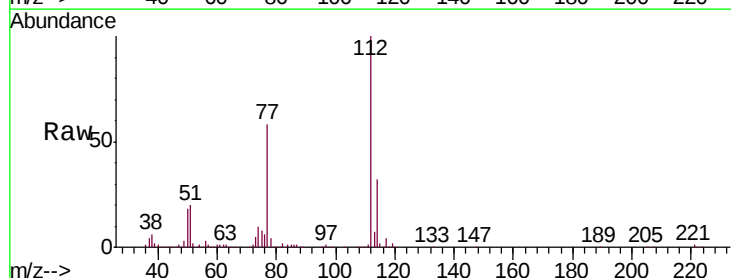


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

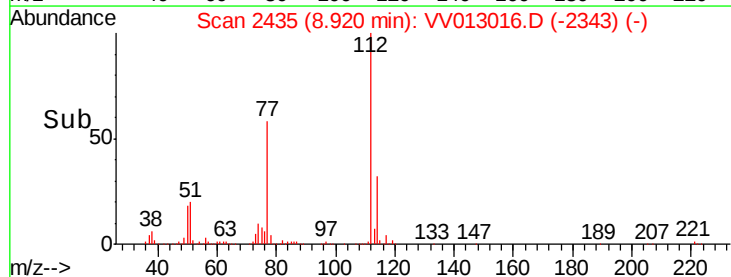
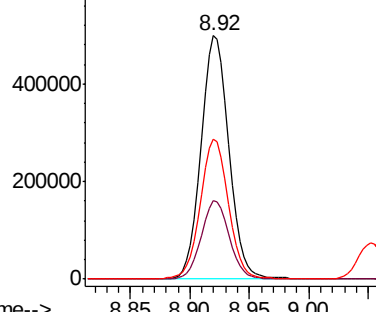


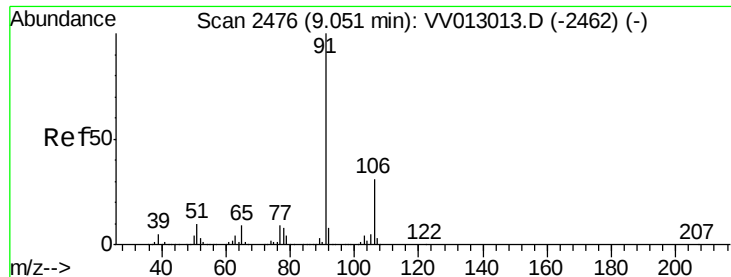
#51
Chlorobenzene
Concen: 25.158 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013016.D
Acq: 30 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.7	42.1
77	57.6	45.9	68.9



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: 25.762 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

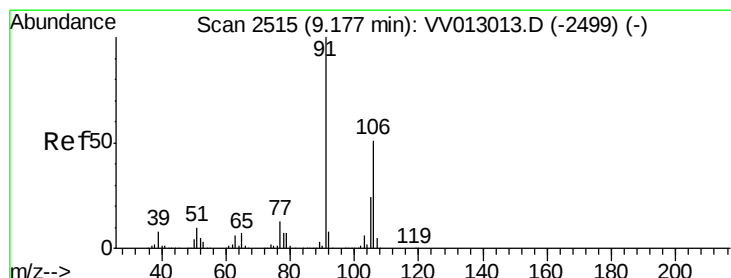
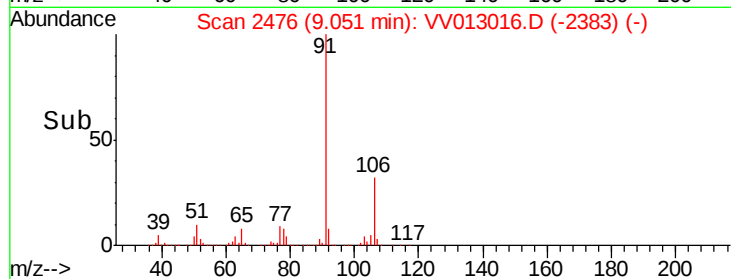
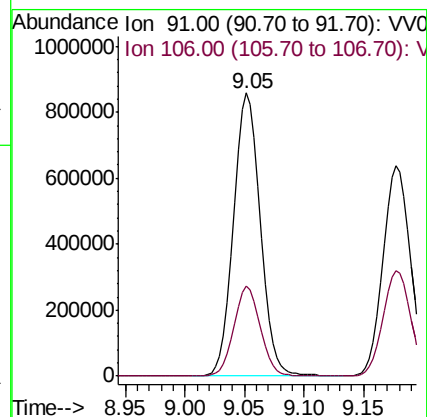
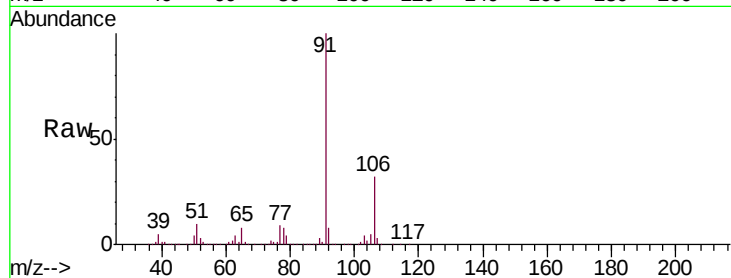
BFB62

Tgt Ion: 91 Resp: 1343754

Ion Ratio Lower Upper

91 100

106 31.8 21.8 40.4



#53

m,p-Xylene

Concen: 26.389 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013016.D

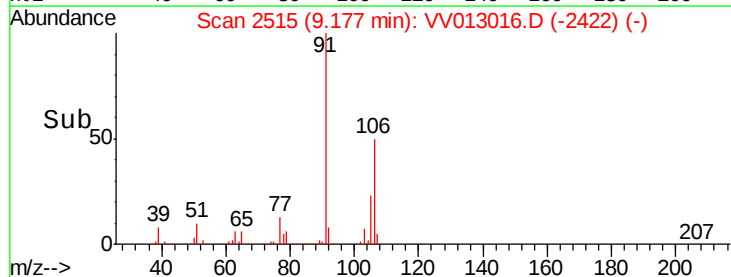
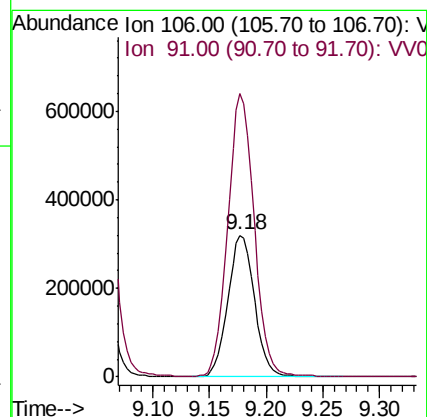
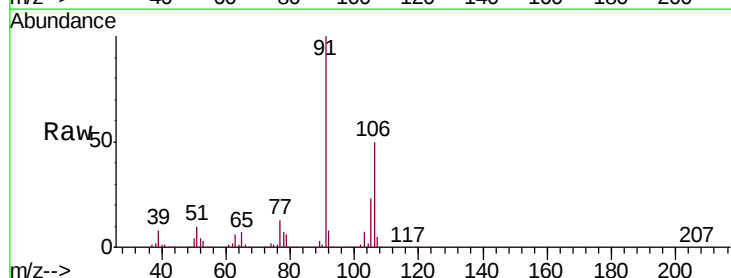
Acq: 30 Sep 2019 13:36

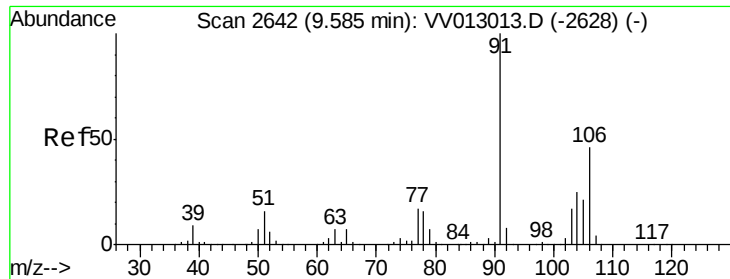
Tgt Ion: 106 Resp: 526154

Ion Ratio Lower Upper

106 100

91 199.6 138.0 256.2

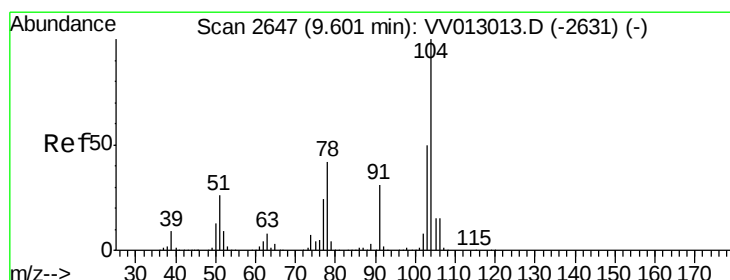
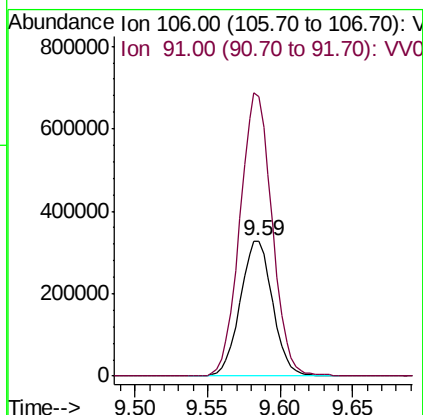
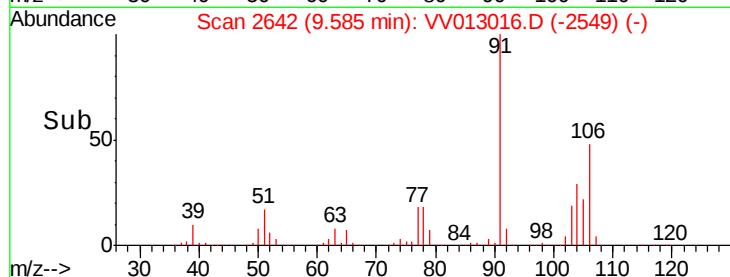
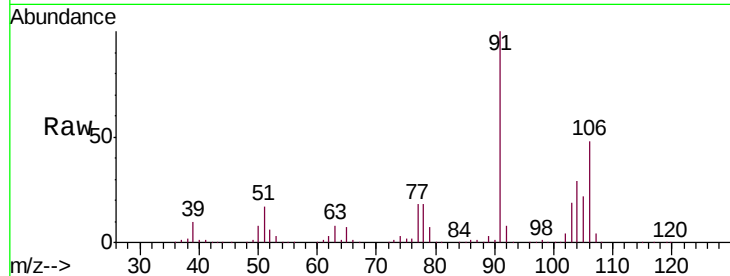




#54
o-Xylene
Concen: 26.707 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV013016.D
Acq: 30 Sep 2019 13:36

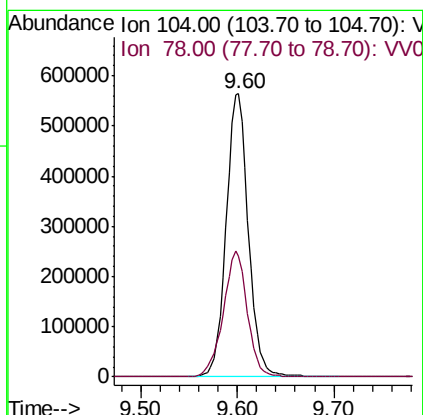
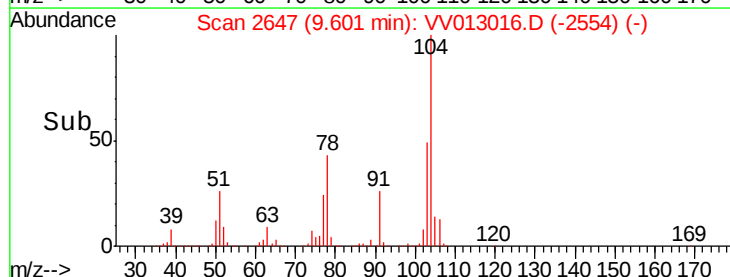
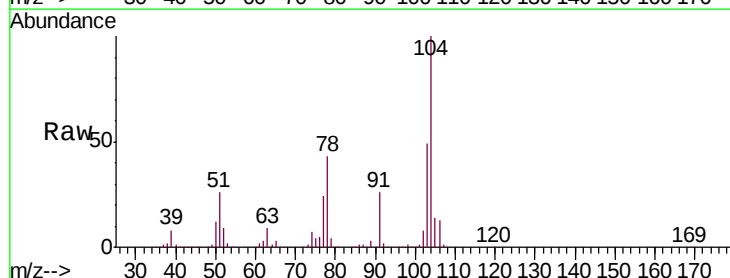
Instrument :
MSVOA_V
ClientSampleId :
BFB62

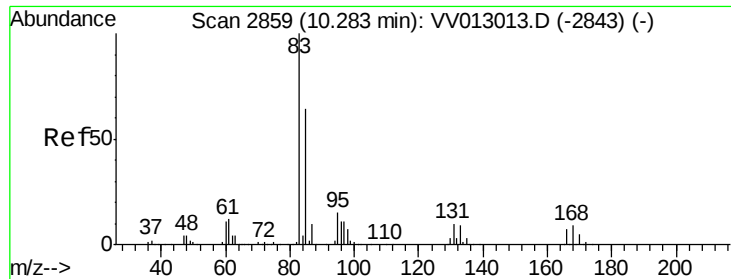
Tgt Ion:106 Resp: 509451
Ion Ratio Lower Upper
106 100
91 206.6 150.8 280.1



#55
Styrene
Concen: 26.900 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV013016.D
Acq: 30 Sep 2019 13:36

Tgt Ion:104 Resp: 898381
Ion Ratio Lower Upper
104 100
78 42.8 29.8 55.3

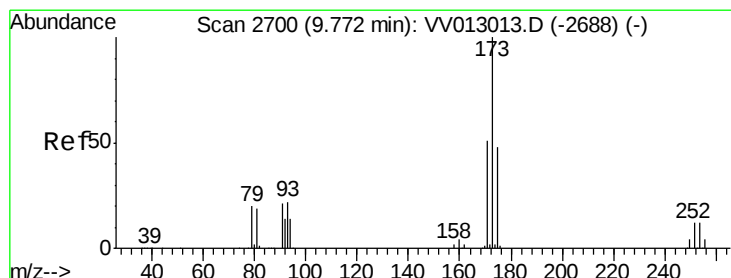
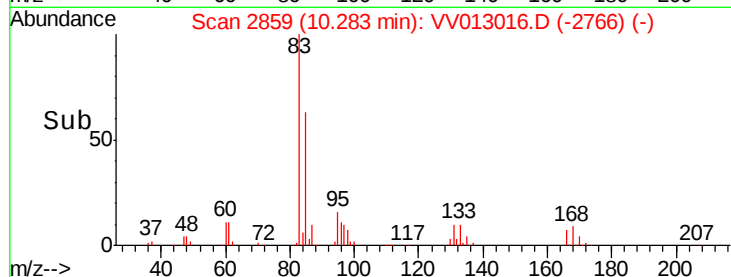
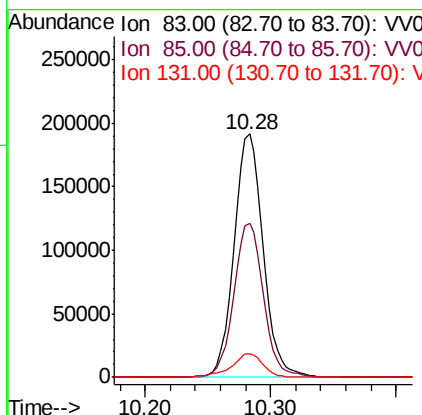
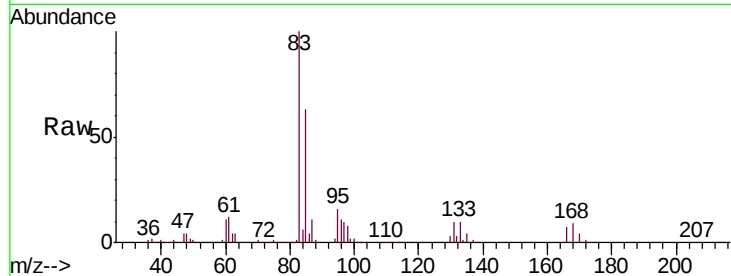




#57
 1,1,2,2-Tetrachloroethane
 Concen: 26.049 ug/L
 RT: 10.28 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: VV013016.D
 Acq: 30 Sep 2019 13:36

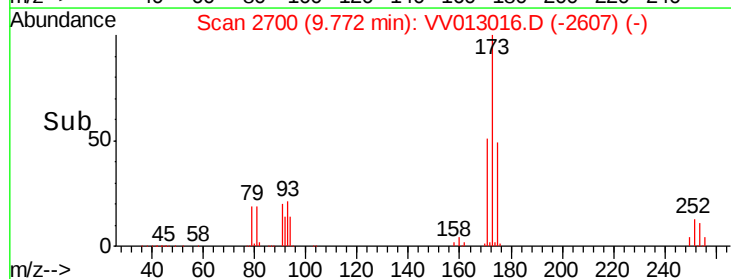
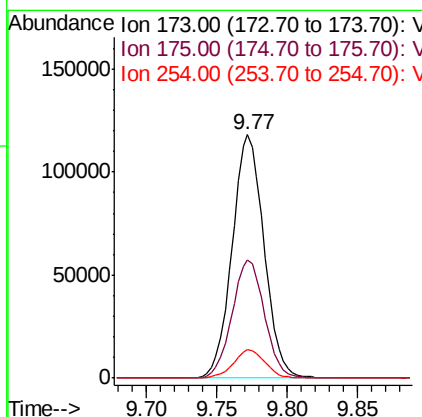
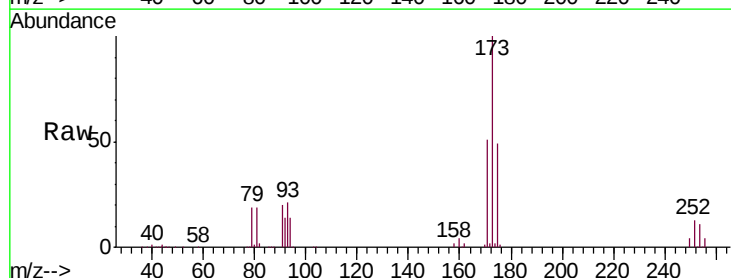
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB62

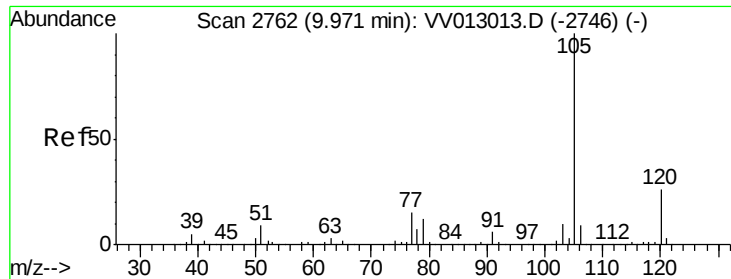
Tgt Ion: 83 Resp: 308636
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.5 82.7
 131 9.9 8.2 12.2



#59
 Bromoform
 Concen: 26.081 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV013016.D
 Acq: 30 Sep 2019 13:36

Tgt Ion: 173 Resp: 187262
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.9 58.3
 254 11.6 9.4 14.0





#60

Isopropylbenzene

Concen: 26.256 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

Instrument :

MSVOA_V

ClientSampled :

BFB62

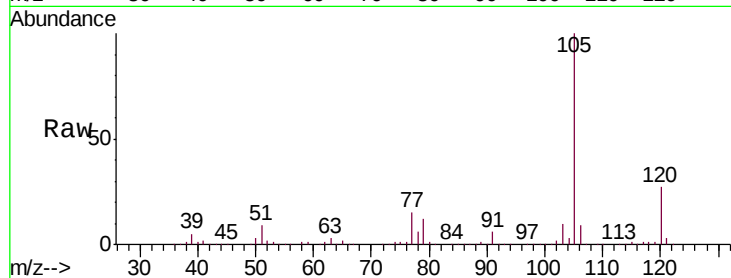
Tgt Ion: 105 Resp: 1326469

Ion Ratio Lower Upper

105 100

120 26.7 21.1 31.7

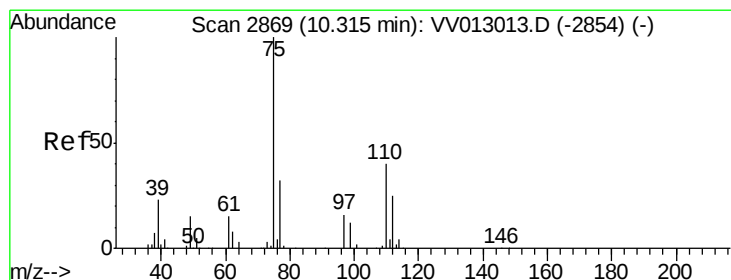
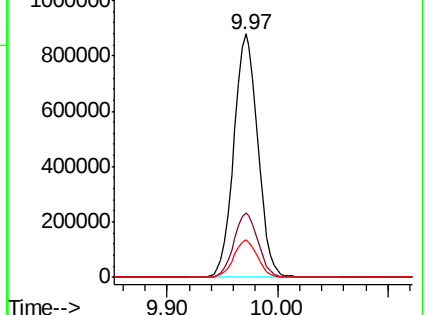
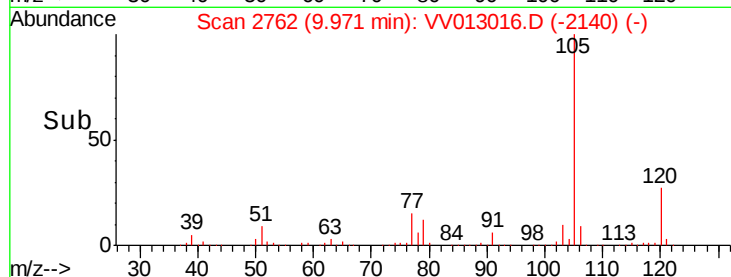
77 15.2 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 25.841 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013016.D

Acq: 30 Sep 2019 13:36

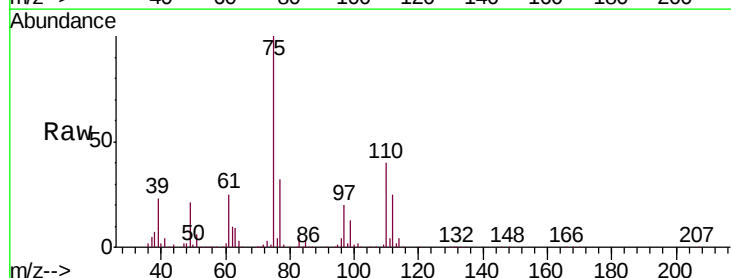
Tgt Ion: 75 Resp: 246570

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2

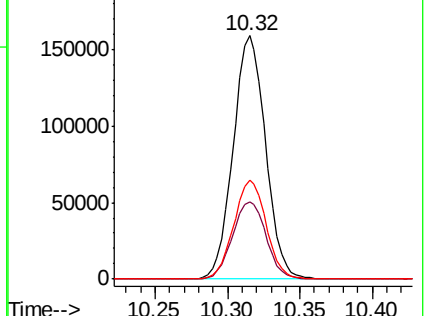
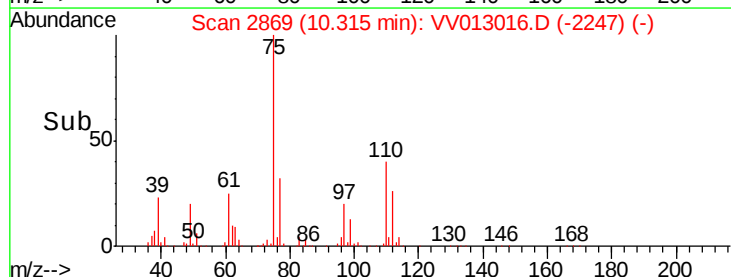
110 40.8 31.7 47.5

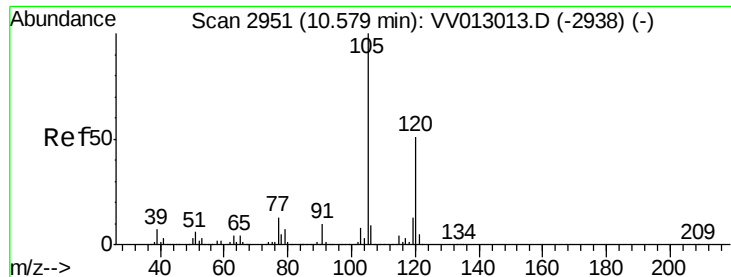


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

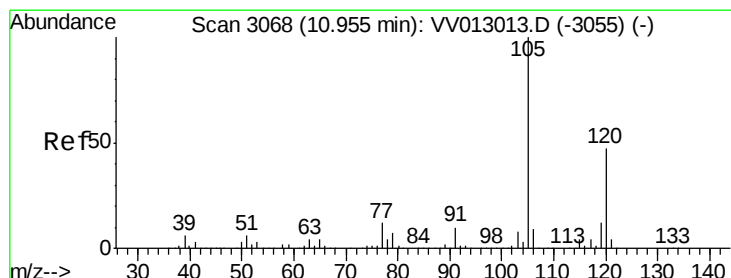
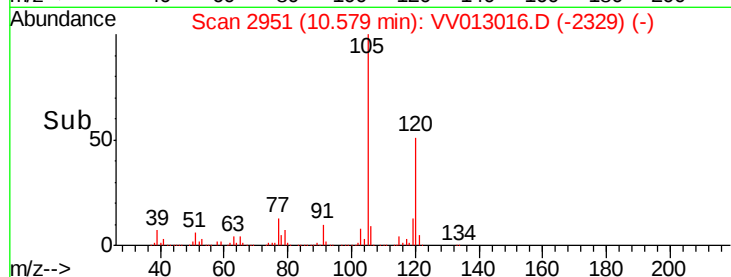
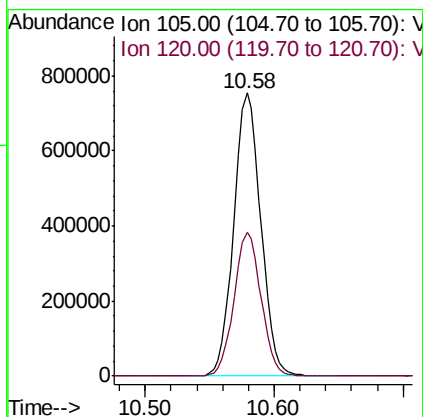
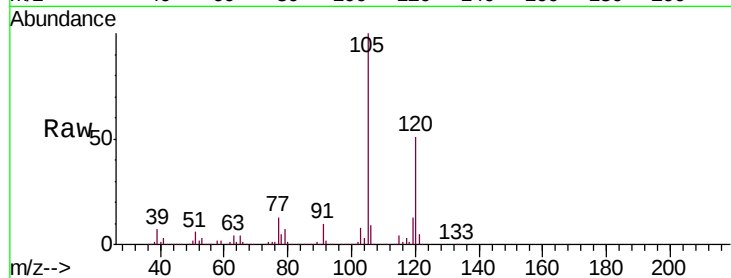




#62
 1,3,5-Trimethylbenzene
 Concen: 27.035 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VV013016.D
 Acq: 30 Sep 2019 13:36

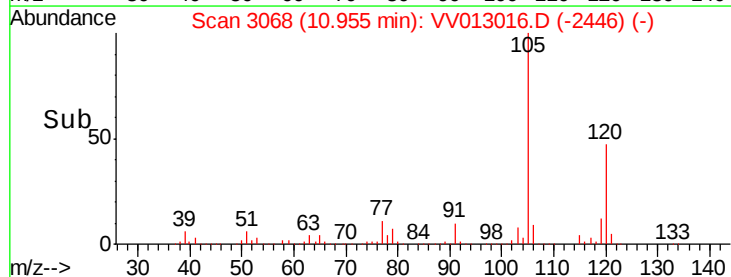
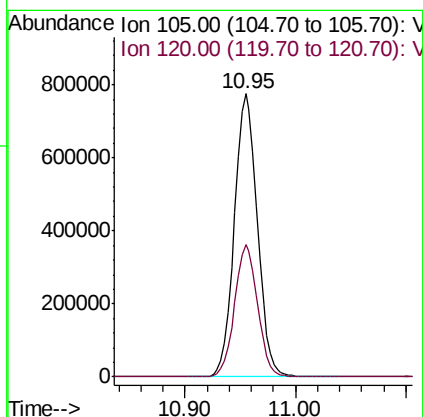
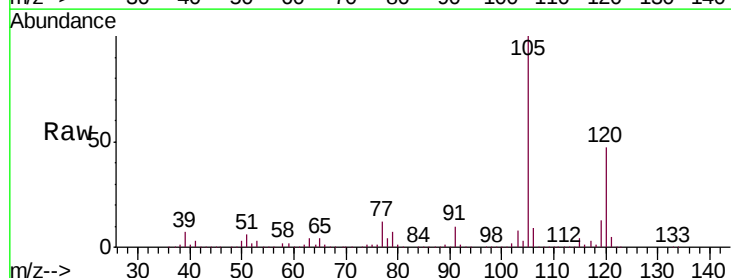
Instrument :
 MSVOA_V
 ClientSampled :
 BFB62

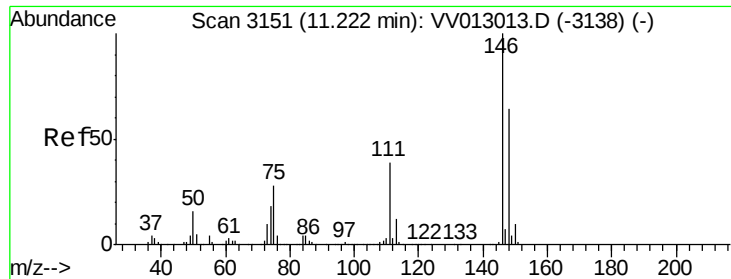
Tgt Ion:105 Resp: 1100428
 Ion Ratio Lower Upper
 105 100
 120 50.8 40.6 61.0



#63
 1,2,4-Trimethylbenzene
 Concen: 27.397 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV013016.D
 Acq: 30 Sep 2019 13:36

Tgt Ion:105 Resp: 1119884
 Ion Ratio Lower Upper
 105 100
 120 46.8 37.1 55.7

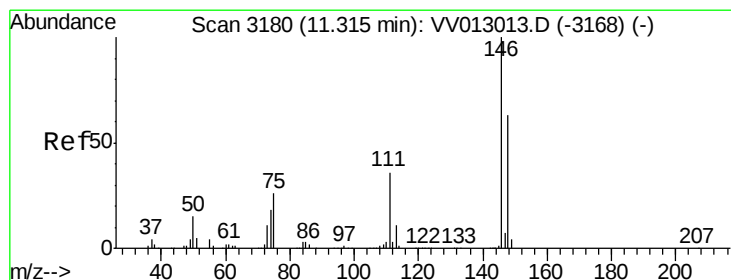
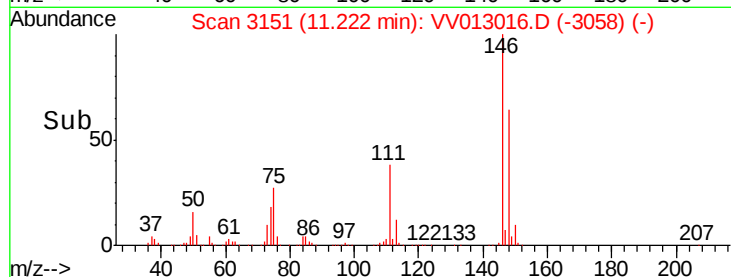
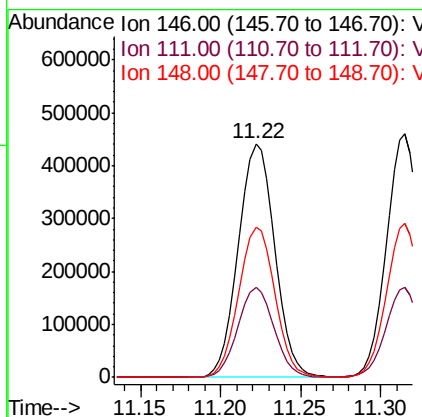
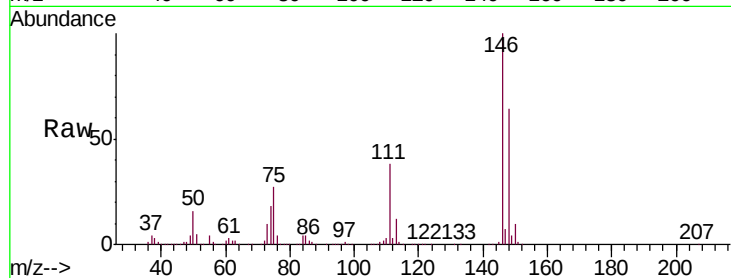




#64
 1,3-Dichlorobenzene
 Concen: 25.811 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013016.D
 Acq: 30 Sep 2019 13:36

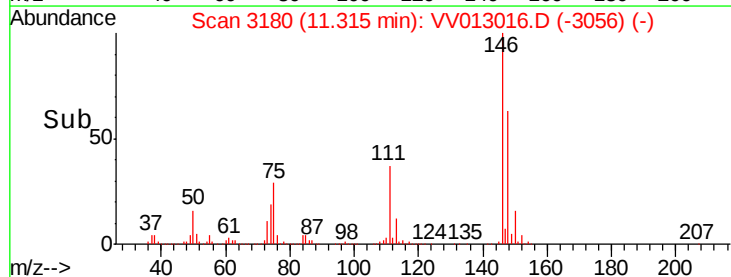
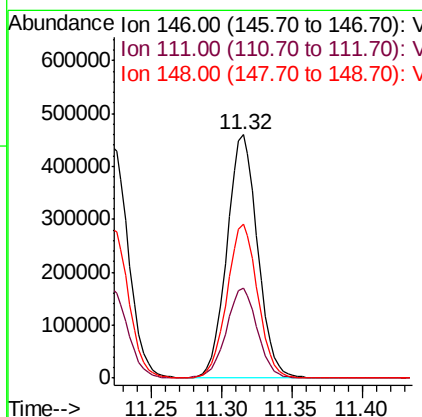
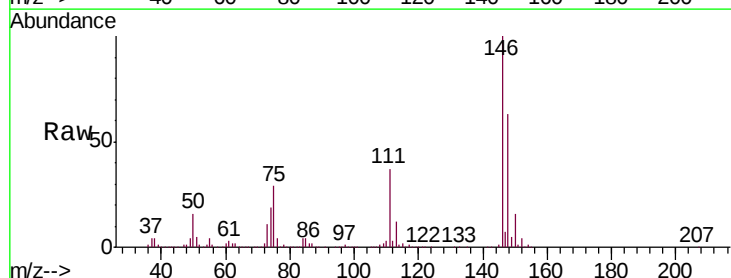
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB62

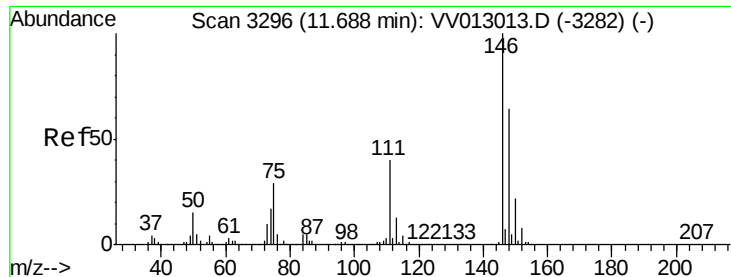
Tgt Ion:146 Resp: 684434
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.0 50.2
 148 64.3 44.7 83.1



#65
 1,4-Dichlorobenzene
 Concen: 25.017 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013016.D
 Acq: 30 Sep 2019 13:36

Tgt Ion:146 Resp: 696650
 Ion Ratio Lower Upper
 146 100
 111 36.9 25.4 47.2
 148 63.2 44.2 82.2

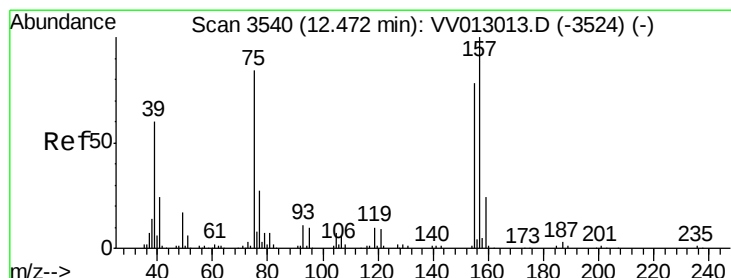
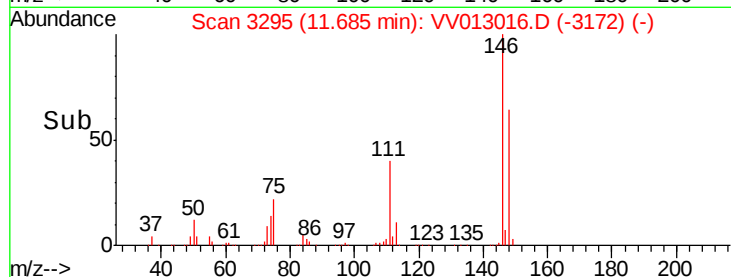
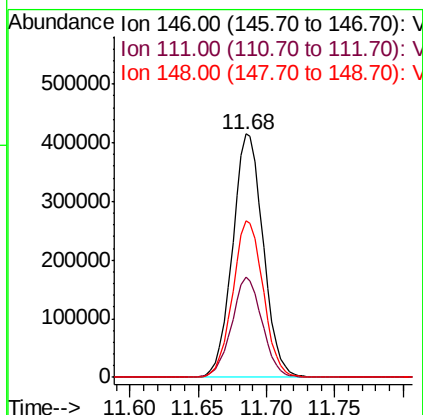
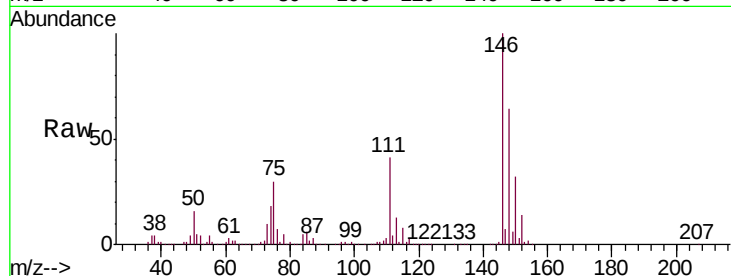




#67
 1,2-Dichlorobenzene
 Concen: 25.494 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013016.D
 Acq: 30 Sep 2019 13:36

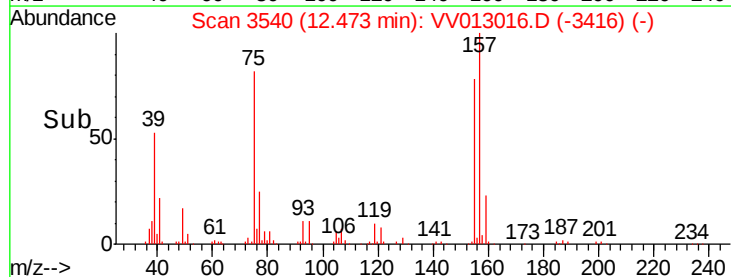
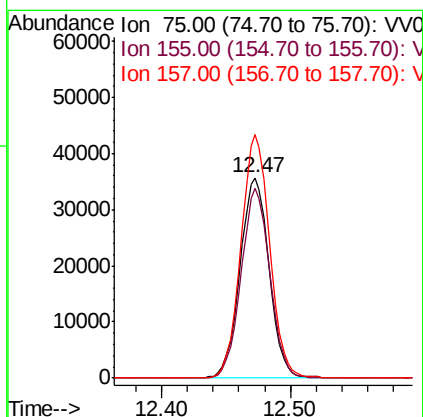
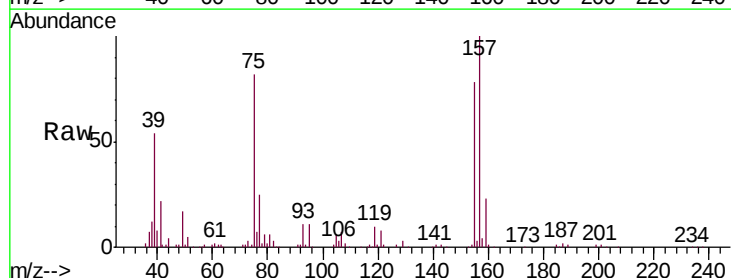
Instrument :
 MSVOA_V
 ClientSampled :
 BFB62

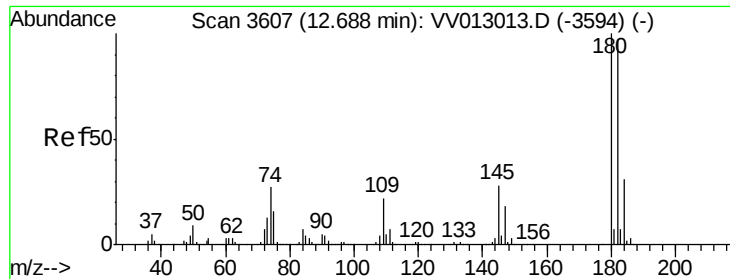
Tgt Ion: 146 Resp: 645468
 Ion Ratio Lower Upper
 146 100
 111 41.0 32.0 48.0
 148 64.1 50.8 76.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 27.020 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013016.D
 Acq: 30 Sep 2019 13:36

Tgt Ion: 75 Resp: 55921
 Ion Ratio Lower Upper
 75 100
 155 95.1 74.4 111.6
 157 121.6 95.8 143.6

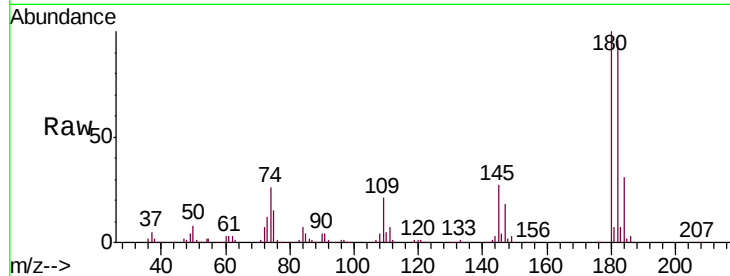




#69
 1,3,5-Trichlorobenzene
 Concen: 25.434 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013016.D
 Acq: 30 Sep 2019 13:36

Instrument :
 MSVOA_V
 ClientSampled :
 BFB62

Tgt Ion:	180	Resp:	542991
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	115.0
184	30.5	24.6	37.0
145	27.3	22.2	33.4



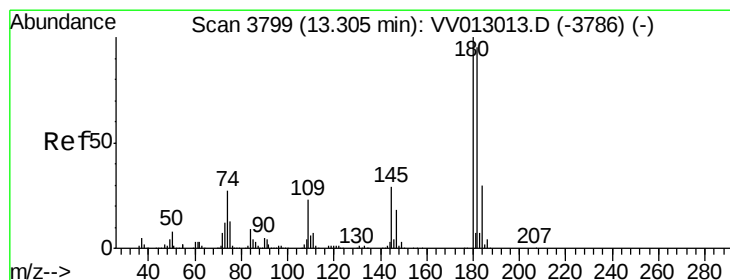
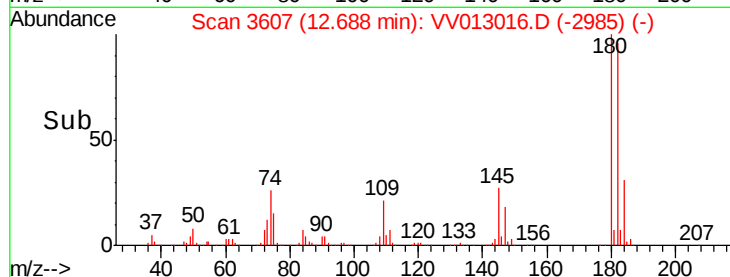
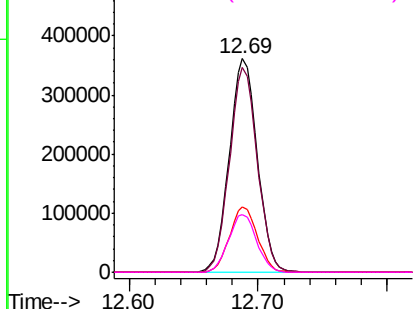
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

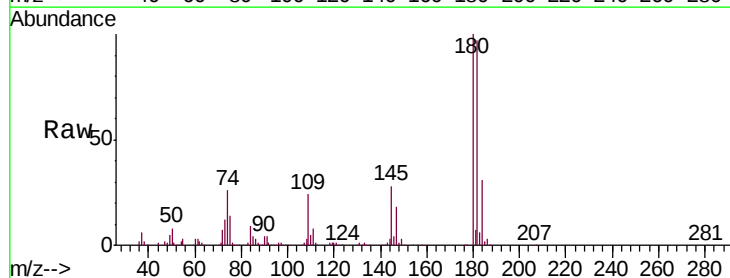
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 26.054 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013016.D
 Acq: 30 Sep 2019 13:36

Tgt Ion:	180	Resp:	480966
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.0	114.0
145	28.5	22.5	33.7

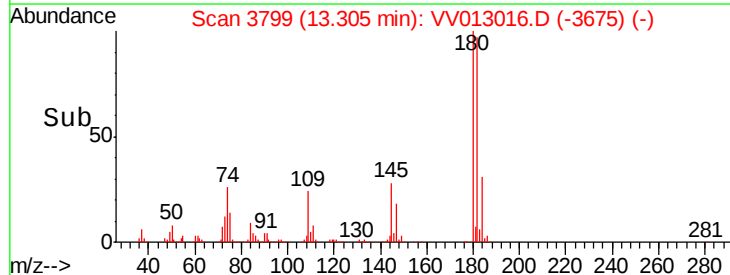
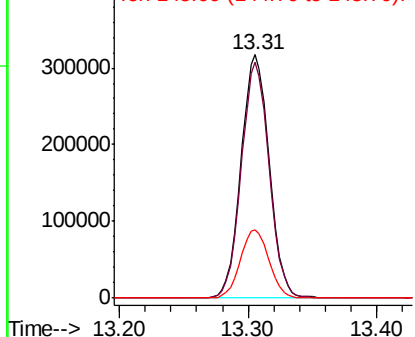


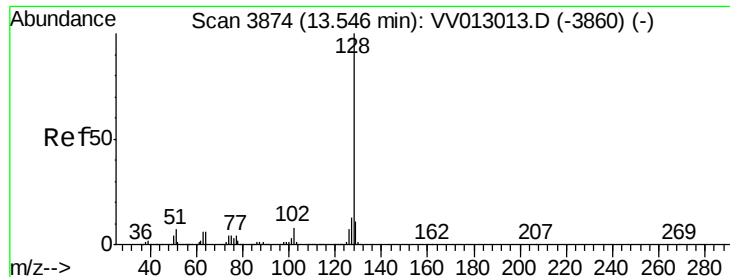
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

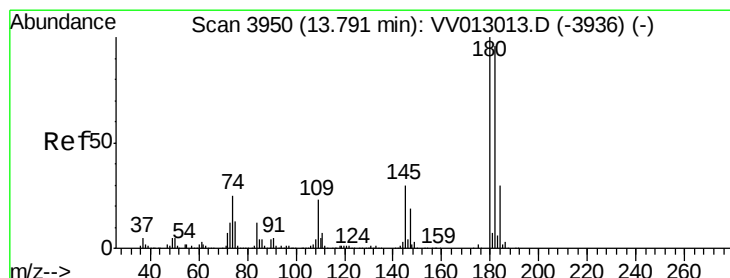
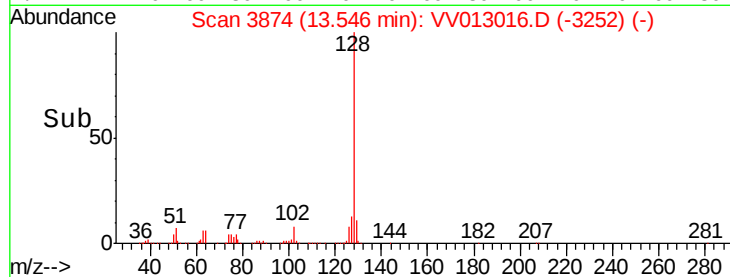
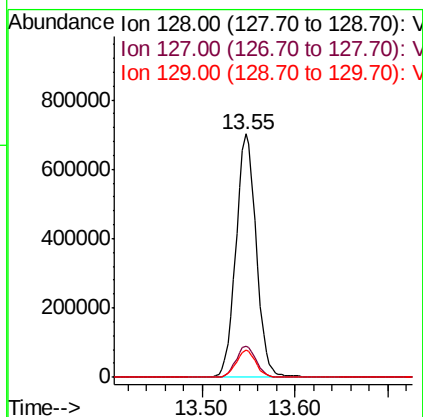
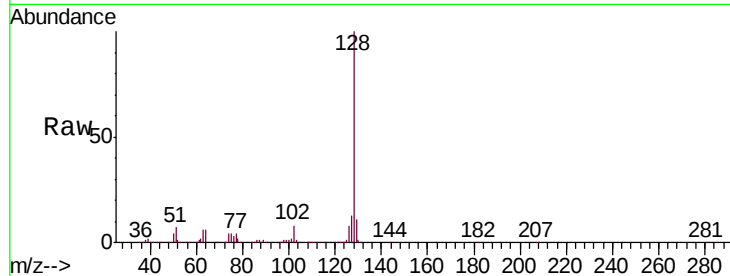




#71
Naphthalene
Concen: 29.554 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV013016.D
Acq: 30 Sep 2019 13:36

Instrument :
MSVOA_V
ClientSampleId :
BFB62

Tgt Ion:128 Resp: 1062756
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.9 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 26.512 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VV013016.D
Acq: 30 Sep 2019 13:36

Tgt Ion:180 Resp: 472078
Ion Ratio Lower Upper
180 100
182 96.0 76.7 115.1
145 30.1 24.2 36.4

