

Data File : VV013003.D
Acq On : 27 Sep 2019 10:18
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB65

Quant Time: Sep 27 22:47:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 27 14:59:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	830858	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	801133	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	430362	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	274393	21.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.12%
7) Chloroethane-d5	1.58	69	240945	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.48%
10) 1,1-Dichloroethene-d2	2.13	63	493809	23.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.12%
20) 2-Butanone-d5	3.95	46	169548	38.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.18%
24) Chloroform-d	4.40	84	514718	22.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.08	65	276470	20.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.36%
29) Benzene-d6	5.09	84	1036090	23.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.64%
33) 1,2-Dichloropropane-d6	6.11	67	319609	22.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.20%
37) Toluene-d8	7.36	98	969816	23.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.52%
38) trans-1,3-Dichloropropene-	7.66	79	129062	21.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.96%
39) 2-Hexanone-d5	8.13	63	116884	41.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.86%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	270826	20.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.36%
61) 1,2-Dichlorobenzene-d4	11.67	152	368058	22.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	268939	29.392 ug/L	99
3) Chloromethane	1.25	50	316889	26.519 ug/L	100
5) Vinyl chloride	1.33	62	328091	27.810 ug/L	100
6) Bromomethane	1.54	94	196302	26.655 ug/L	99
8) Chloroethane	1.60	64	203995	28.139 ug/L	98
9) Trichlorofluoromethane	1.77	101	433743	27.183 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	268108	26.290 ug/L	99
12) 1,1-Dichloroethene	2.14	96	249647	26.580 ug/L	93
13) Acetone	2.21	43	201465	42.584 ug/L	100
14) Carbon disulfide	2.32	76	774256	25.807 ug/L	99
15) Methyl Acetate	2.47	43	146590	19.977 ug/L	98
16) Methylene chloride	2.53	84	313273	25.226 ug/L	100
17) Methyl tert-butyl Ether	2.80	73	643013	23.333 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	285098	25.645 ug/L	98
19) 1,1-Dichloroethane	3.23	63	526603	25.957 ug/L	99
21) 2-Butanone	4.03	43	210066	38.153 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	311155	25.573 ug/L	99

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QLast Update : Fri Sep 27 14:59:31 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	144084	23.975	ug/L	99
25) Chloroform	4.42	83	533400	25.076	ug/L	100
27) 1,2-Dichloroethane	5.17	62	355997	23.679	ug/L	99
30) Cyclohexane	4.72	56	493866	28.734	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	435253	27.451	ug/L	98
32) Carbon tetrachloride	4.87	117	395982	27.543	ug/L	100
34) Benzene	5.14	78	1200097	26.911	ug/L	100
35) Trichloroethene	5.96	95	322553	25.965	ug/L	99
36) Methylcyclohexane	6.17	83	535615	28.086	ug/L	100
40) 1,2-Dichloropropane	6.22	63	309109	26.655	ug/L	100
41) Bromodichloromethane	6.55	83	381398	25.677	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	452719	26.568	ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	413160	43.364	ug/L	100
44) Toluene	7.43	91	1314676	27.952	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	360793	25.157	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	232938	23.660	ug/L	98
47) Tetrachloroethene	8.02	164	268022	26.546	ug/L	99
49) 2-Hexanone	8.18	43	322787	44.944	ug/L	95
50) Dibromochloromethane	8.29	129	275459	24.343	ug/L	98
51) 1,2-Dibromoethane	8.39	107	226355	23.462	ug/L	99
52) Chlorobenzene	8.92	112	840127	25.884	ug/L	99
53) Ethylbenzene	9.05	91	1449704	27.995	ug/L	100
54) m,p-Xylene	9.18	106	555708	28.227	ug/L	99
55) o-xylene	9.58	106	530961	28.306	ug/L	100
56) Styrene	9.60	104	931737	28.230	ug/L	99
57) Isopropylbenzene	9.97	105	1441763	29.246	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	271733	22.313	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	214890	21.379	ug/L	99
62) Bromoform	9.77	173	168872	23.124	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	696802	26.304	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	710922	25.570	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	645974	25.565	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	43590	19.458	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	553183	26.696	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	469243	25.896	ug/L	99
69) Naphthalene	13.55	128	823270	22.589	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	442851	25.419	ug/L	98

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

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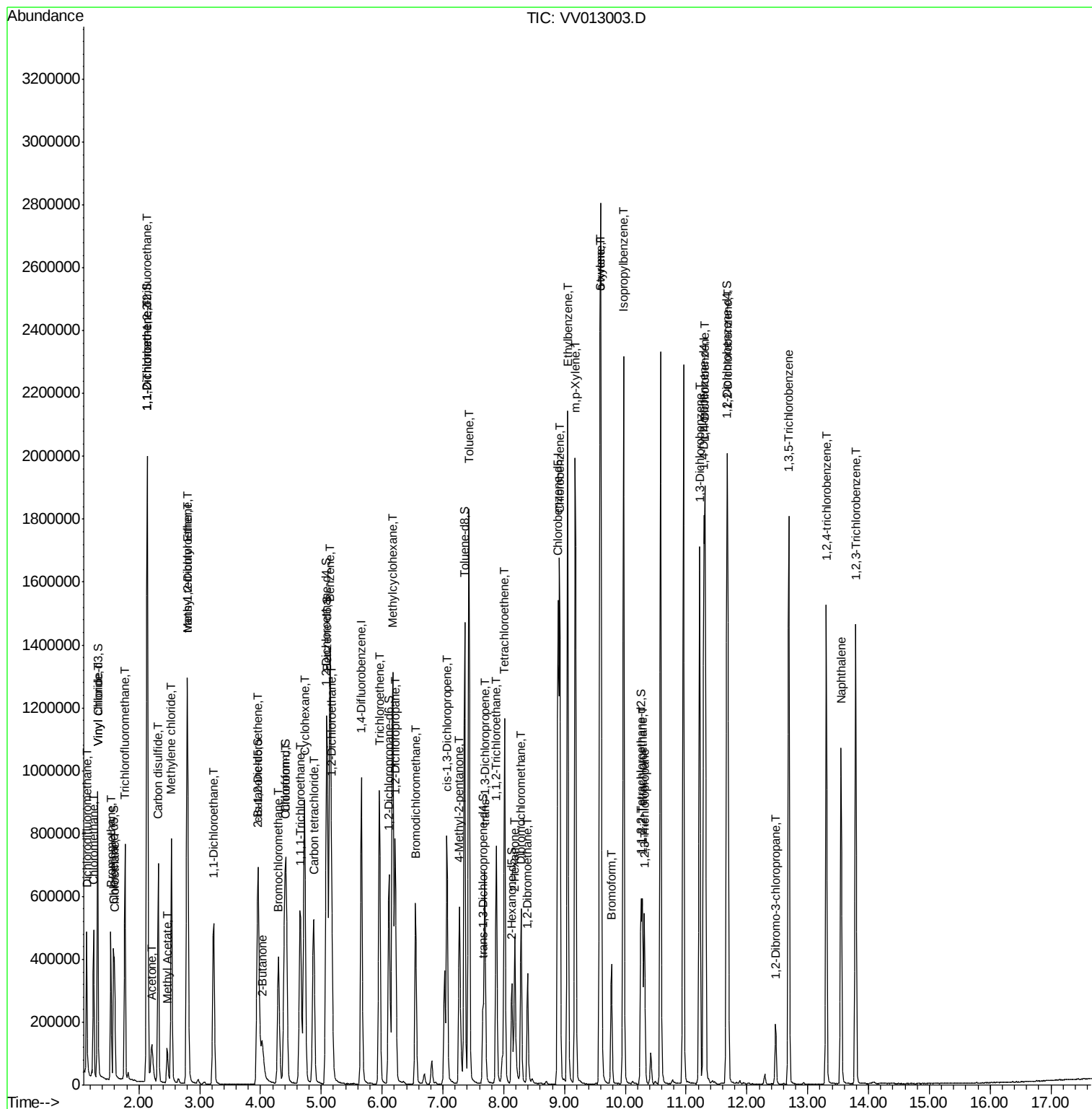
Quant Time: Sep 27 22:47:18 2019

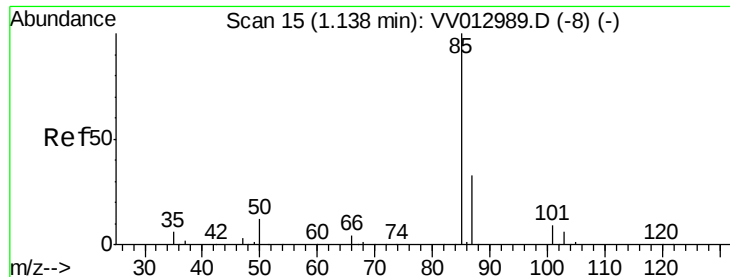
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM092319S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 29.392 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

Instrument :

MSVOA_V

ClientSampleId :

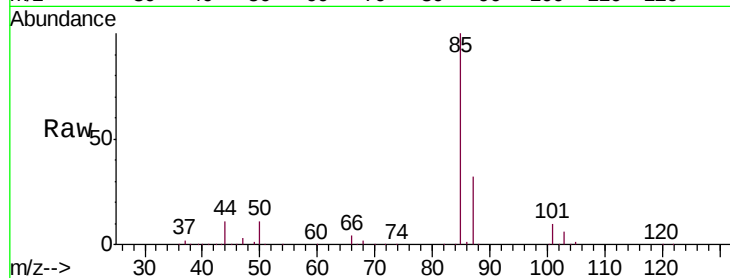
BFB65

Tgt Ion: 85 Resp: 268939

Ion Ratio Lower Upper

85 100

87 32.5 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

250000

200000

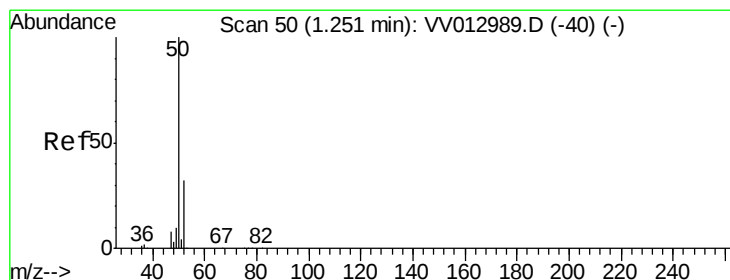
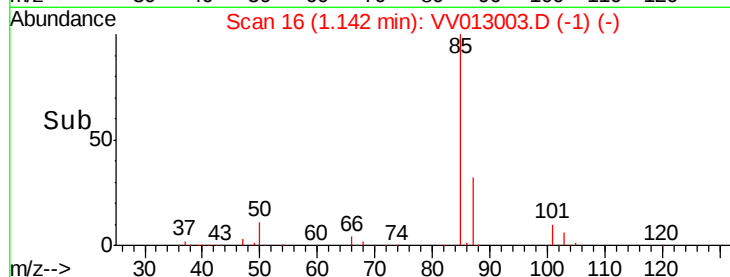
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 26.519 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV013003.D

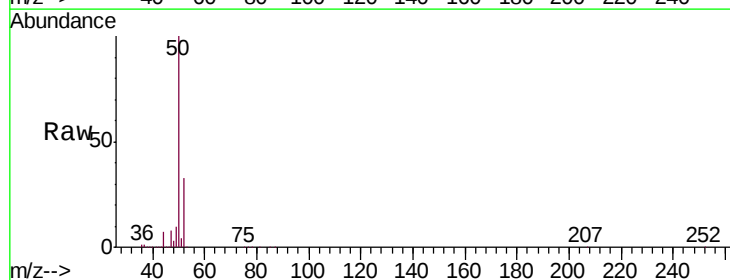
Acq: 27 Sep 2019 10:18

Tgt Ion: 50 Resp: 316889

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

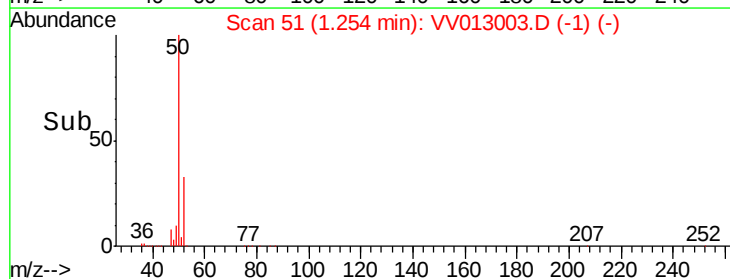
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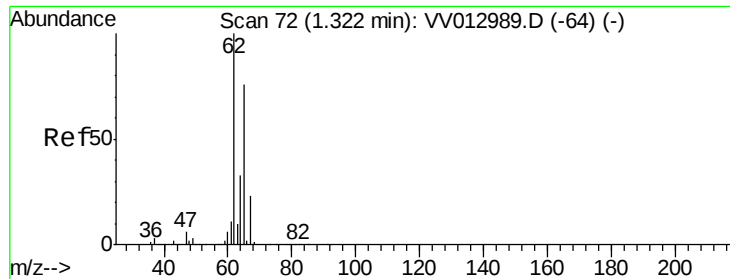
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 27.810 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

Instrument :

MSVOA_V

ClientSampleId :

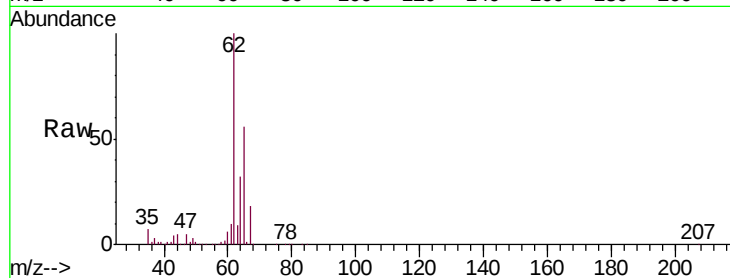
BFB65

Tgt Ion: 62 Resp: 328091

Ion Ratio Lower Upper

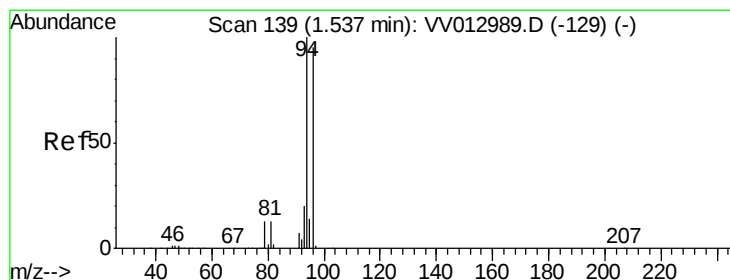
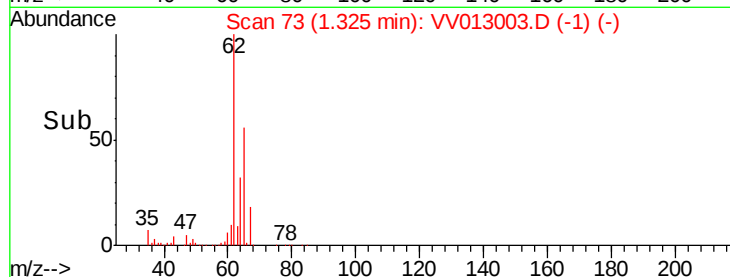
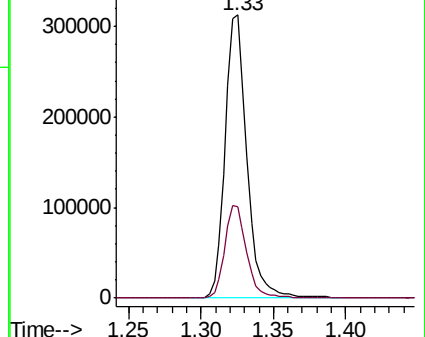
62 100

64 32.3 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV012989.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV012989.D (-64) (-)



#6

Bromomethane

Concen: 26.655 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013003.D

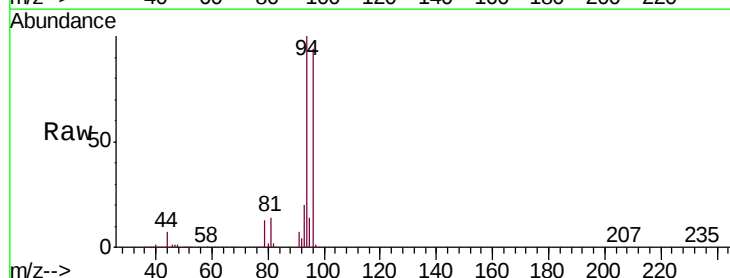
Acq: 27 Sep 2019 10:18

Tgt Ion: 94 Resp: 196302

Ion Ratio Lower Upper

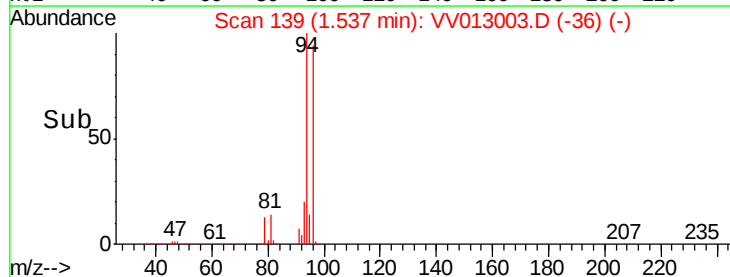
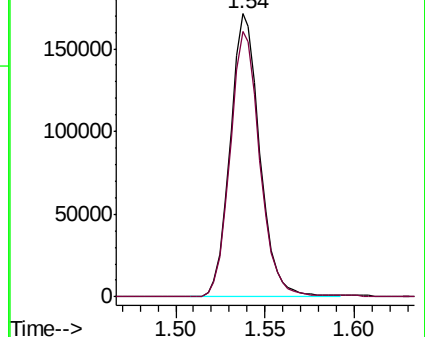
94 100

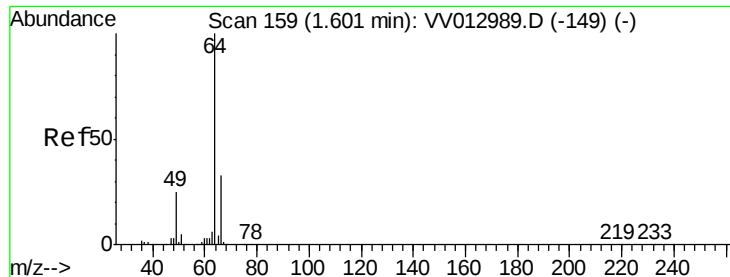
96 94.7 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV012989.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV012989.D (-129) (-)

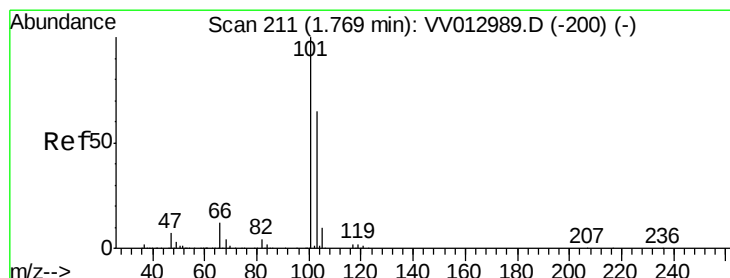
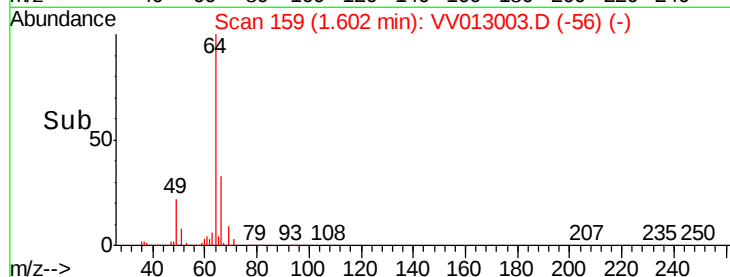
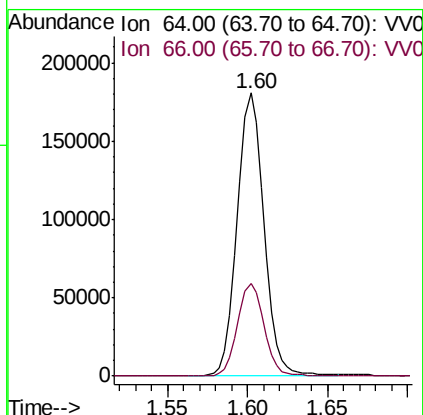
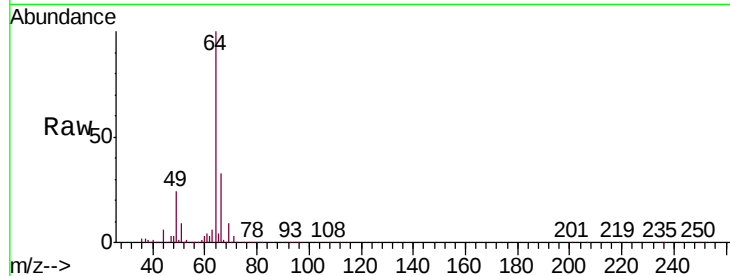




#8
Chloroethane
Concen: 28.139 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

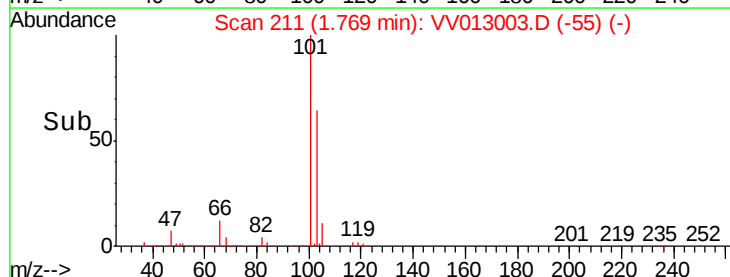
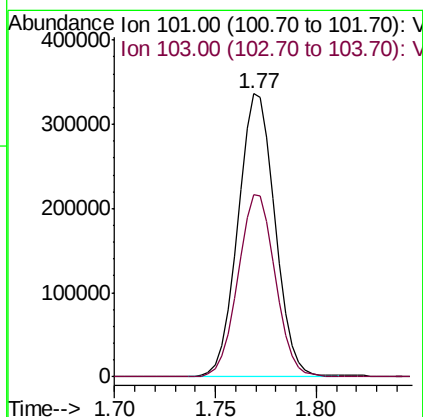
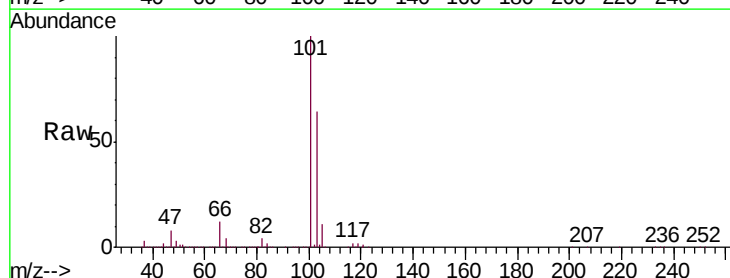
Instrument :
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ClientSampleId :
BFB65

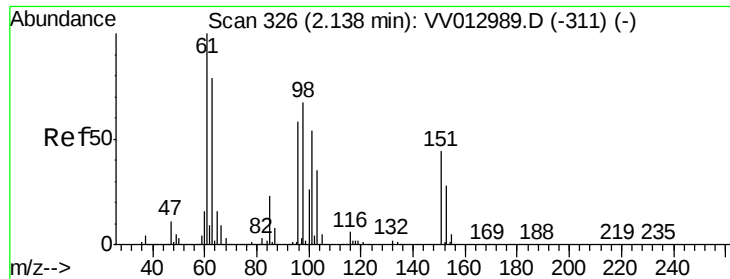
Tgt Ion: 64 Resp: 203995
Ion Ratio Lower Upper
64 100
66 33.0 22.2 41.2



#9
Trichlorofluoromethane
Concen: 27.183 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

Tgt Ion: 101 Resp: 433743
Ion Ratio Lower Upper
101 100
103 64.9 45.1 83.9





#11

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

Concen: 26.290 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

Instrument :

MSVOA_V

ClientSampleId :

BFB65

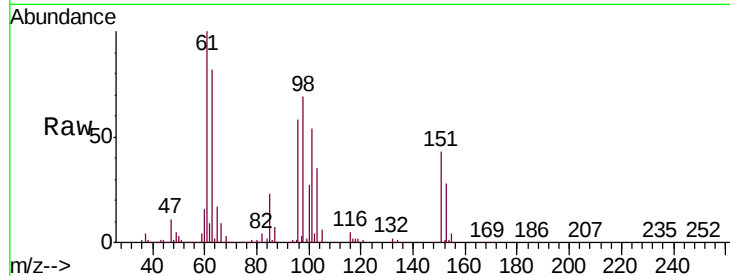
Tgt Ion: 101 Resp: 268108

Ion Ratio Lower Upper

101 100

85 41.9 32.6 49.0

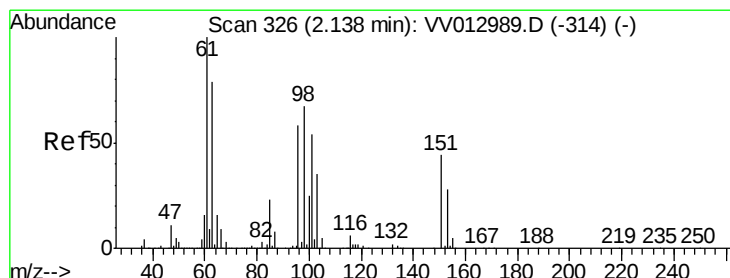
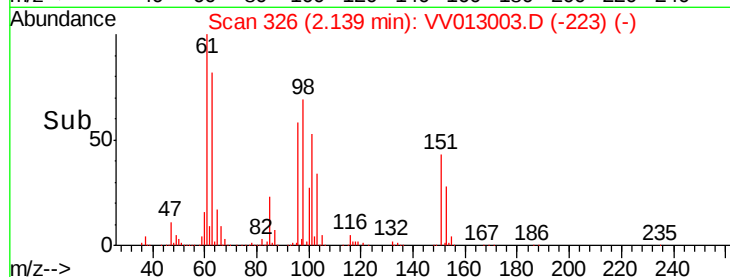
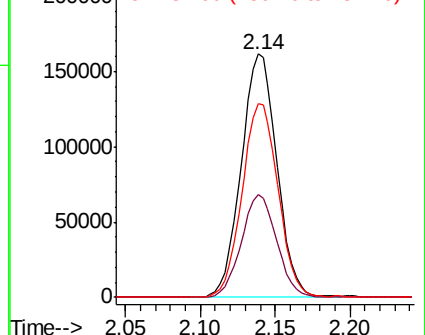
151 80.3 64.2 96.4



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: 26.580 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

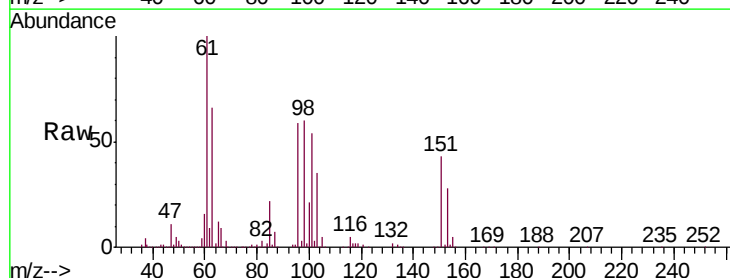
Tgt Ion: 96 Resp: 249647

Ion Ratio Lower Upper

96 100

61 168.3 117.2 217.8

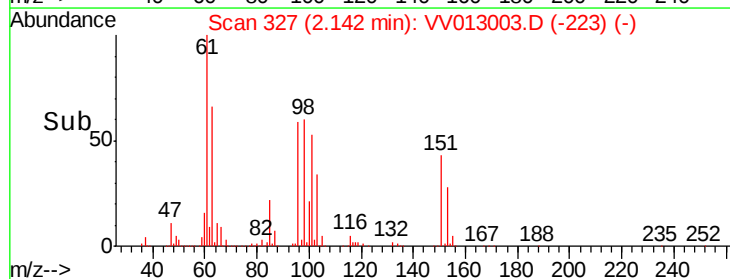
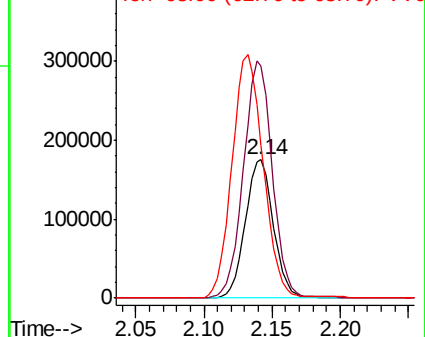
63 111.1 89.6 166.4

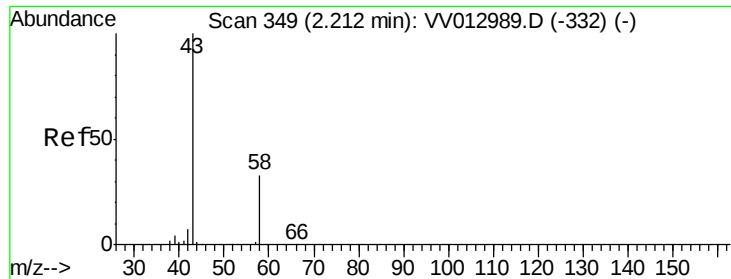


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 42.584 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

Instrument :

MSVOA_V

ClientSampleId :

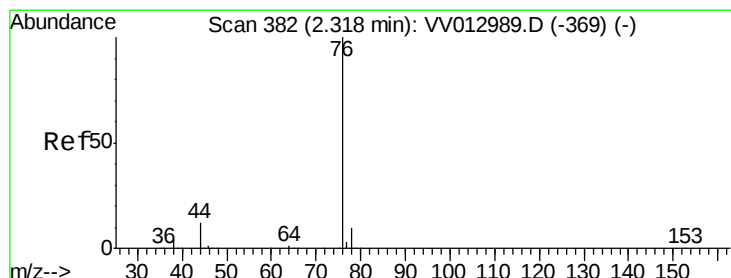
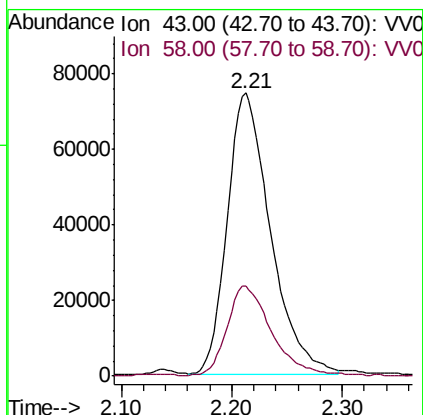
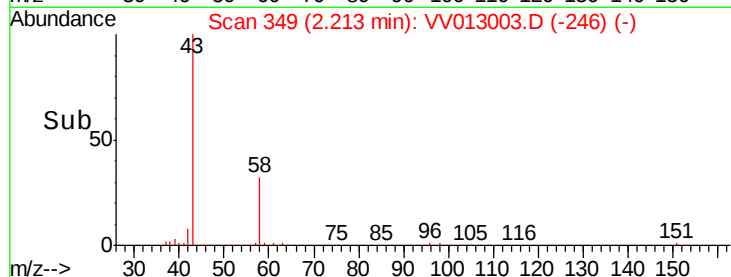
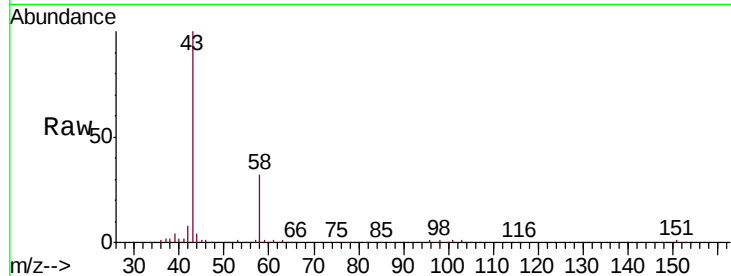
BFB65

Tgt Ion: 43 Resp: 201465

Ion Ratio Lower Upper

43 100

58 32.6 0.0 65.0



#14

Carbon disulfide

Concen: 25.807 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV013003.D

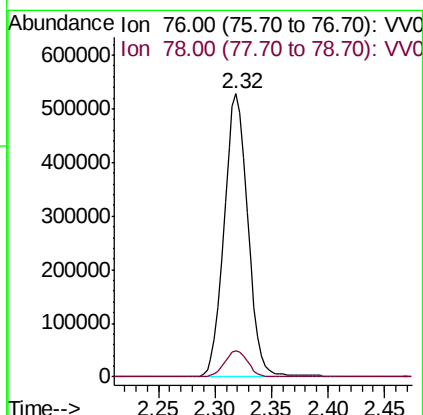
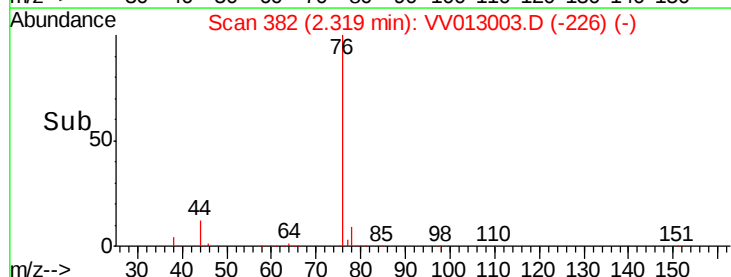
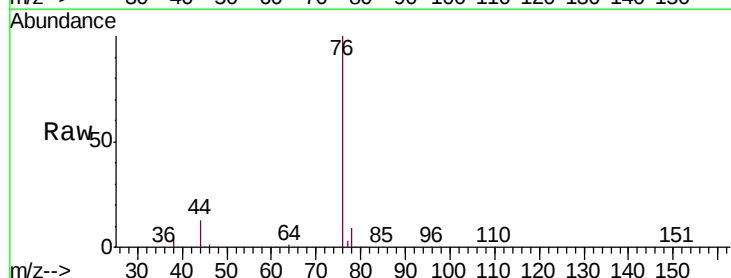
Acq: 27 Sep 2019 10:18

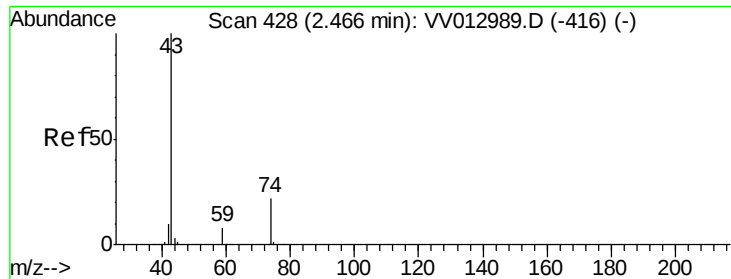
Tgt Ion: 76 Resp: 774256

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

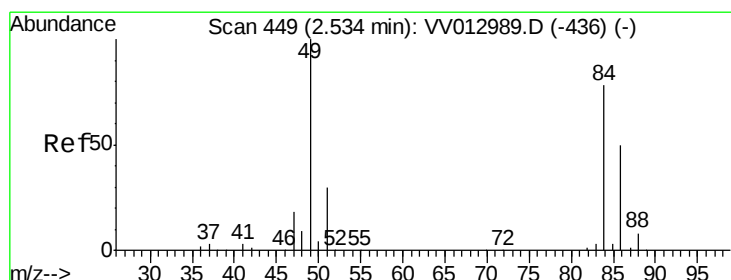
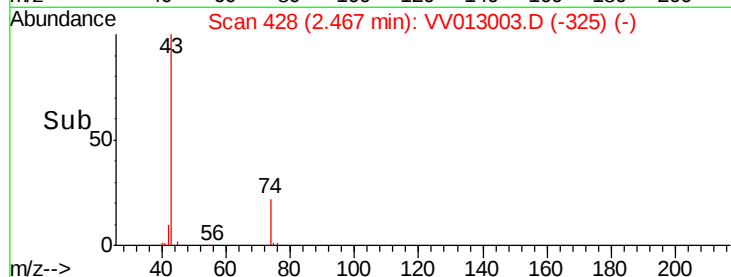
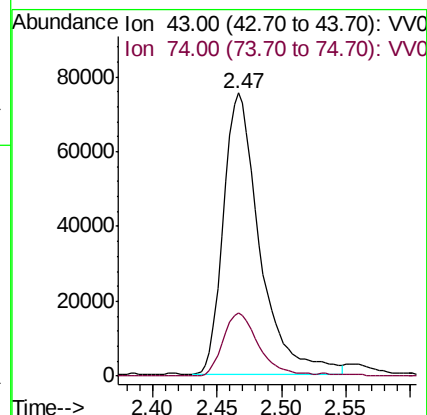
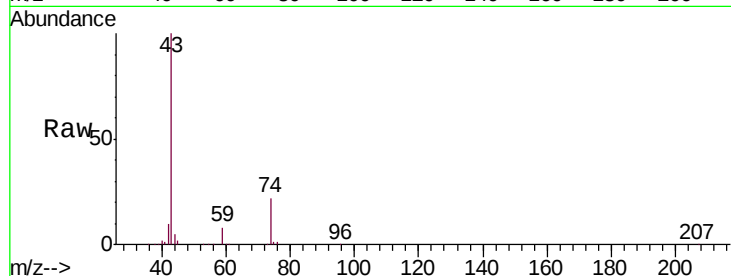




#15
Methyl Acetate
Concen: 19.977 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

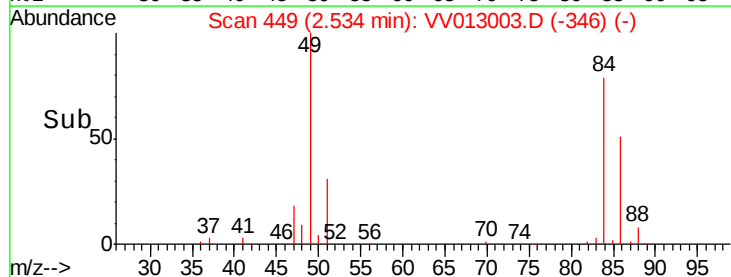
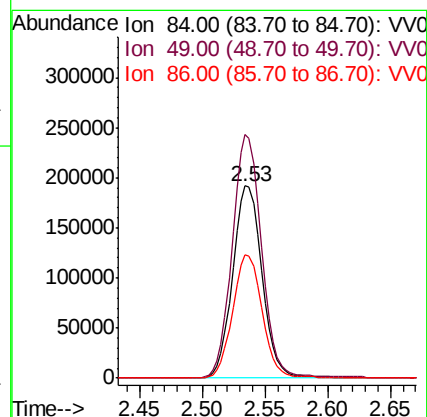
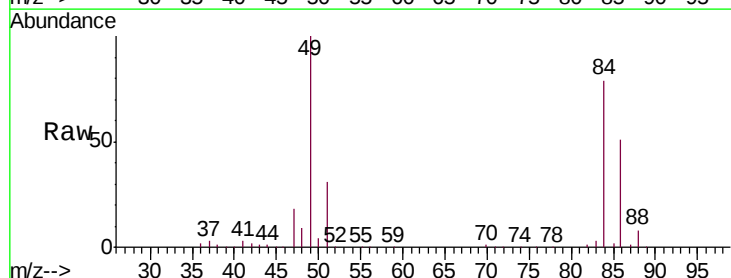
Instrument :
MSVOA_V
ClientSampleId :
BFB65

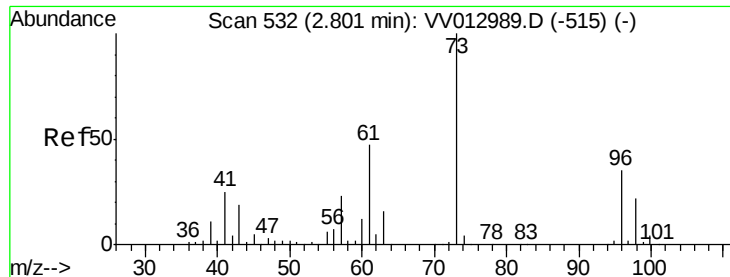
Tgt Ion: 43 Resp: 146590
Ion Ratio Lower Upper
43 100
74 22.3 18.8 28.2



#16
Methylene chloride
Concen: 25.226 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

Tgt Ion: 84 Resp: 313273
Ion Ratio Lower Upper
84 100
49 126.7 88.3 164.1
86 64.1 44.9 83.3

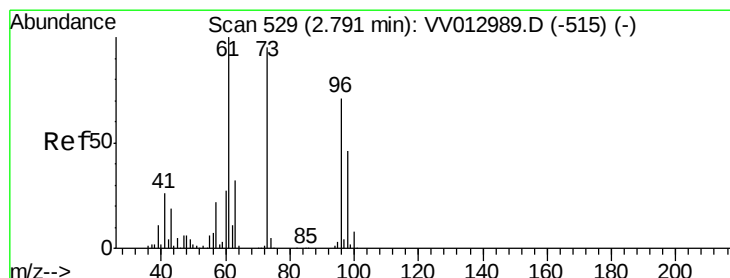
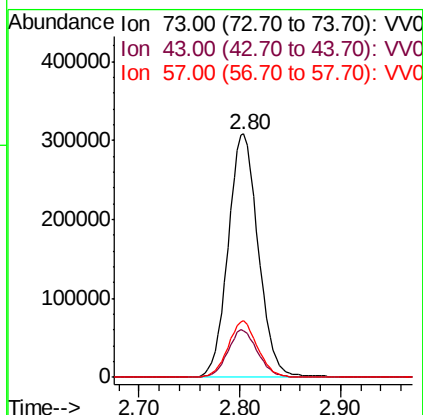
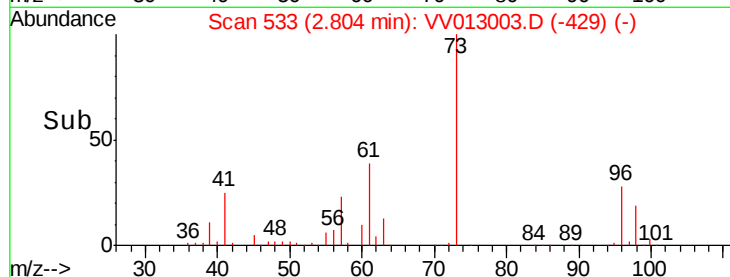
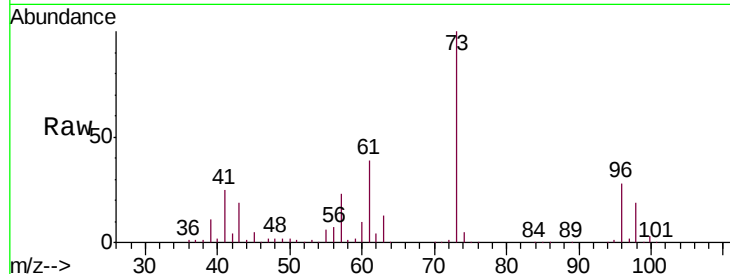




#17
Methyl tert-butyl Ether
Concen: 23.333 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

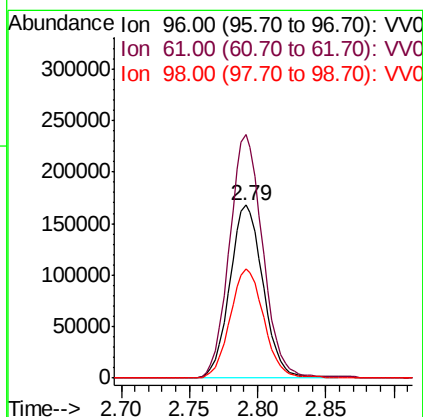
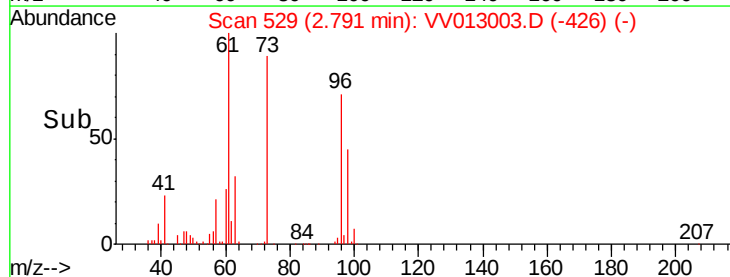
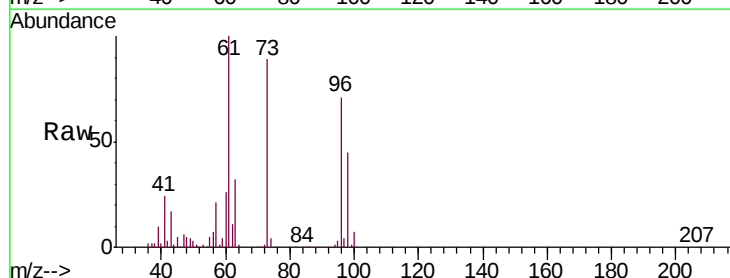
Instrument :
MSVOA_V
ClientSampleId :
BFB65

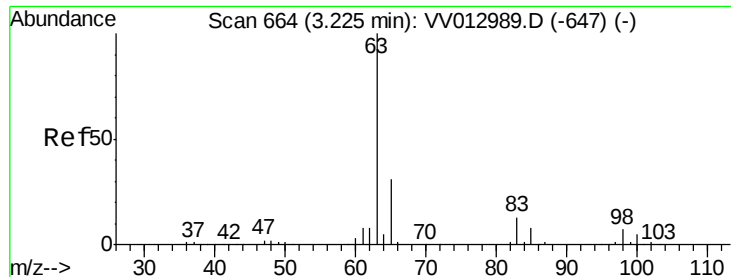
Tgt Ion: 73 Resp: 643013
Ion Ratio Lower Upper
73 100
43 18.9 15.0 22.6
57 22.5 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 25.645 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

Tgt Ion: 96 Resp: 285098
Ion Ratio Lower Upper
96 100
61 140.9 96.8 179.8
98 63.0 44.8 83.2





#19

1,1-Dichloroethane

Concen: 25.957 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

Instrument :

MSVOA_V

ClientSampleId :

BFB65

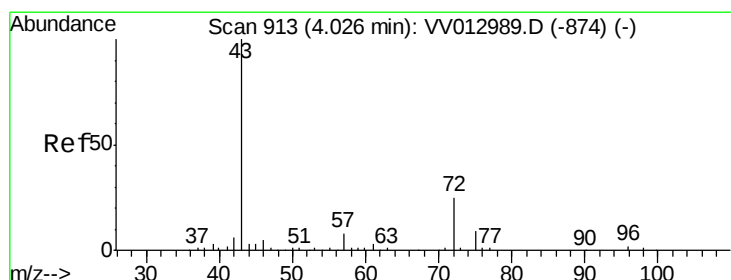
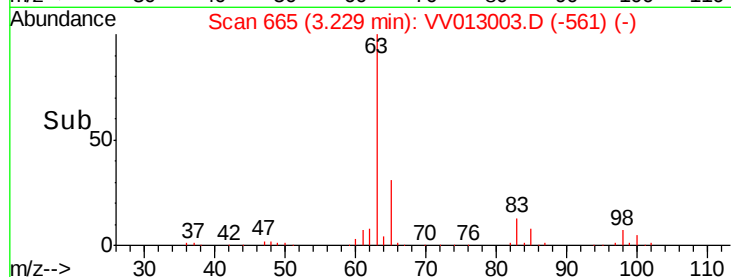
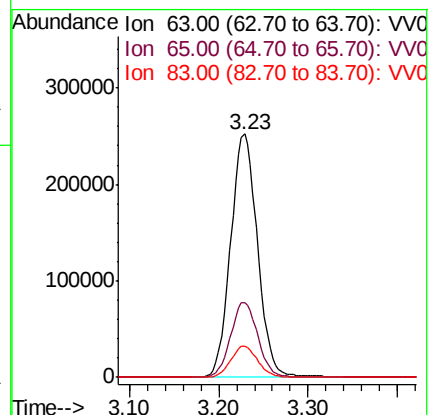
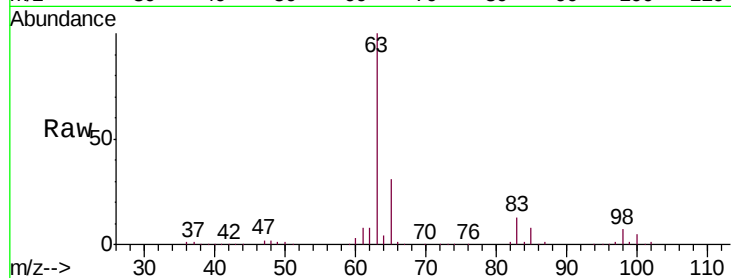
Tgt Ion: 63 Resp: 526603

Ion Ratio Lower Upper

63 100

65 30.9 22.0 41.0

83 13.0 9.2 17.0



#21

2-Butanone

Concen: 38.153 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.00 min

Lab File: VV013003.D

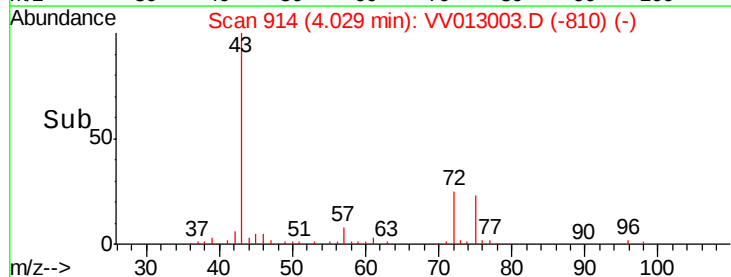
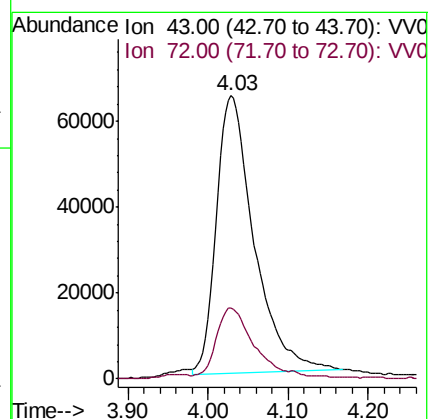
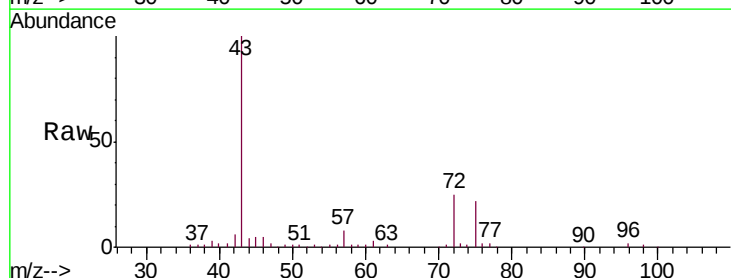
Acq: 27 Sep 2019 10:18

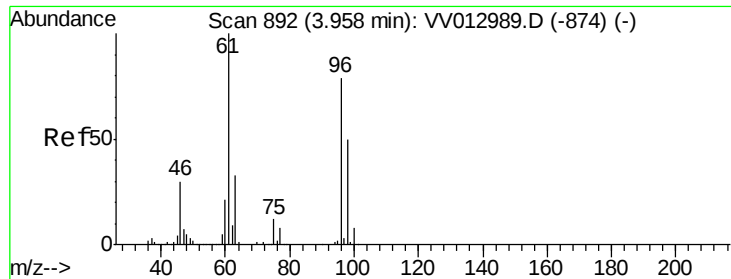
Tgt Ion: 43 Resp: 210066

Ion Ratio Lower Upper

43 100

72 23.1 11.9 35.9



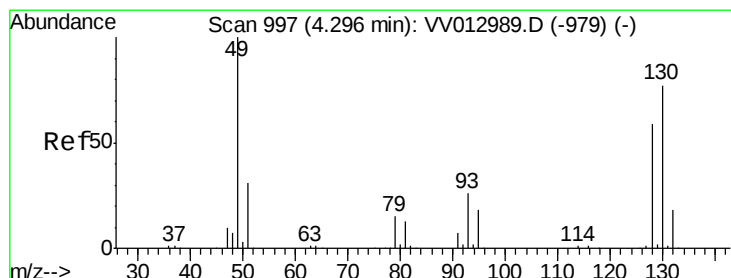
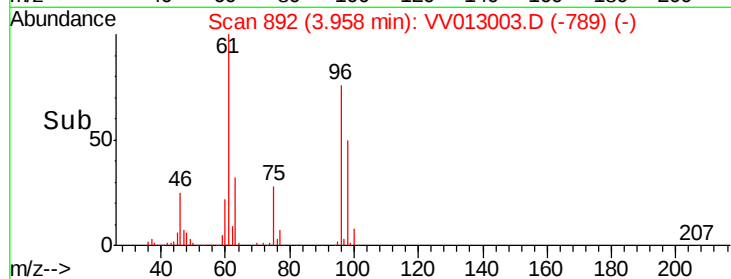
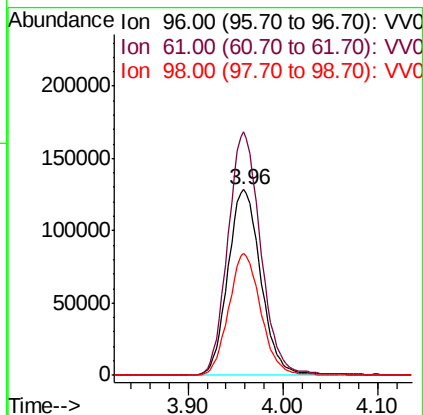
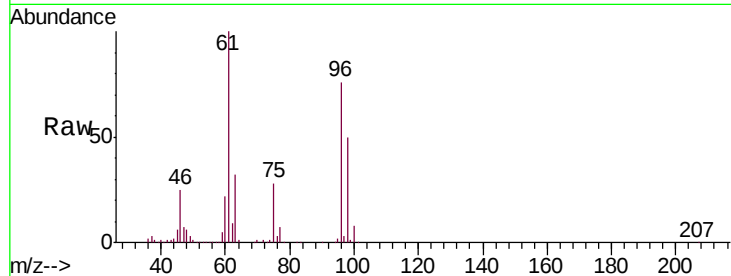


#22

cis-1,2-Dichloroethene
Concen: 25.573 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

Instrument :
MSVOA_V
ClientSampleId :
BFB65

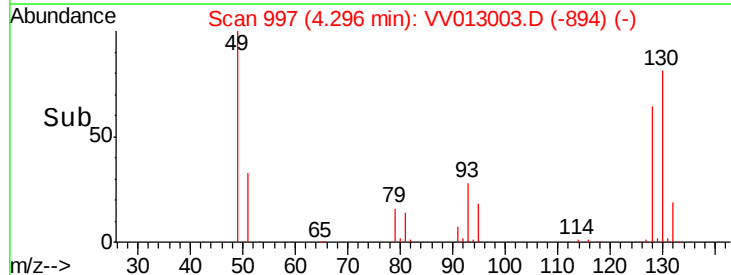
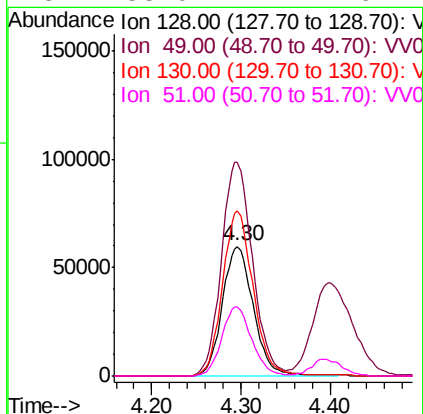
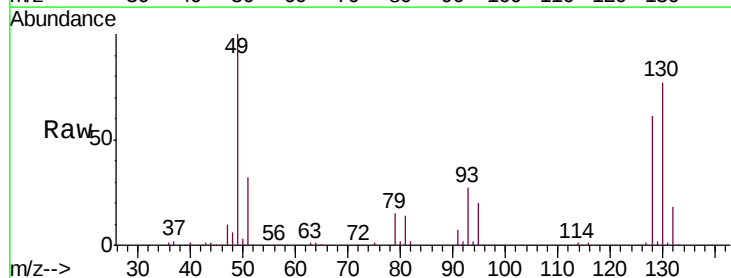
Tgt Ion: 96 Resp: 311155
Ion Ratio Lower Upper
96 100
61 131.1 90.9 168.7
98 66.0 45.6 84.6

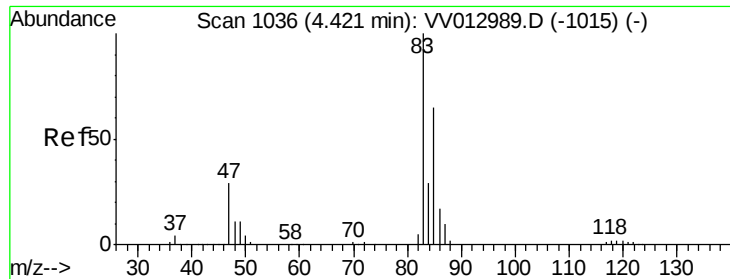


#23

Bromochloromethane
Concen: 23.975 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

Tgt Ion: 128 Resp: 144084
Ion Ratio Lower Upper
128 100
49 164.9 114.4 212.6
130 127.6 88.5 164.4
51 53.0 41.4 62.2

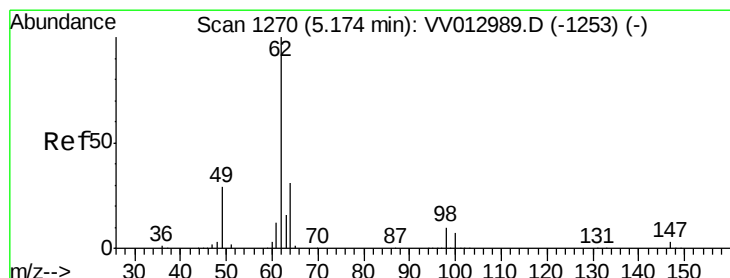
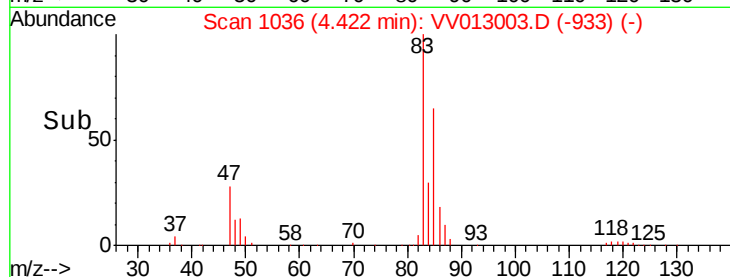
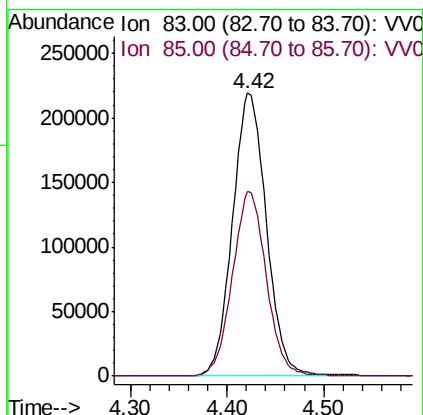
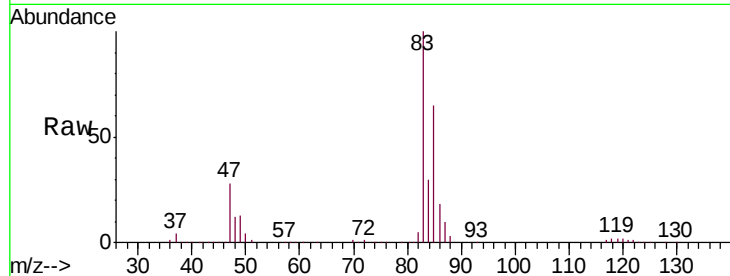




#25
Chloroform
Concen: 25.076 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

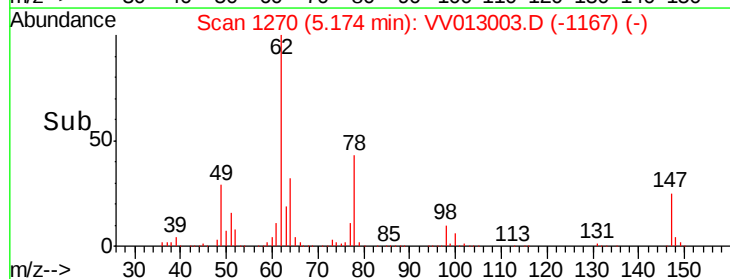
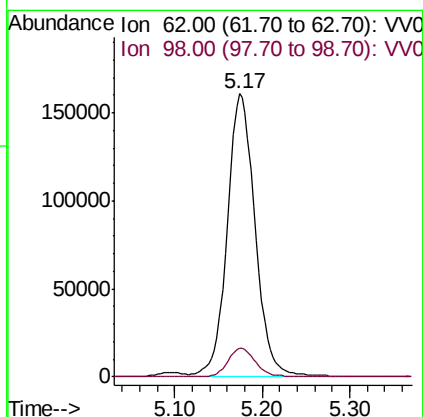
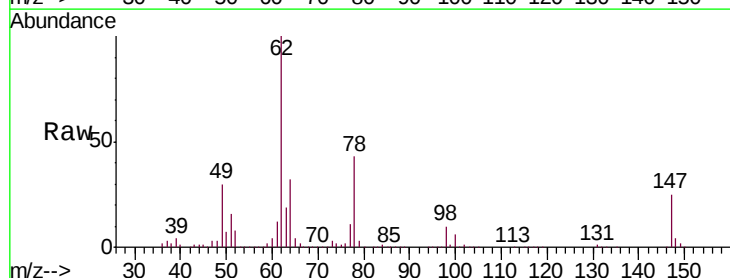
Instrument :
MSVOA_V
ClientSampleId :
BFB65

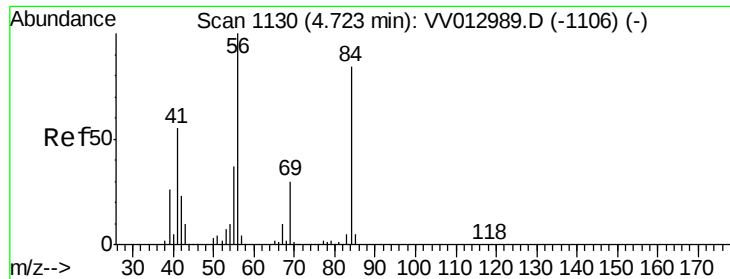
Tgt Ion: 83 Resp: 533400
Ion Ratio Lower Upper
83 100
85 65.5 45.8 85.0



#27
1,2-Dichloroethane
Concen: 23.679 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

Tgt Ion: 62 Resp: 355997
Ion Ratio Lower Upper
62 100
98 10.0 8.2 12.4

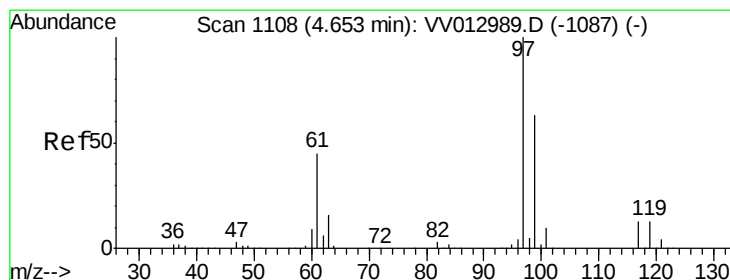
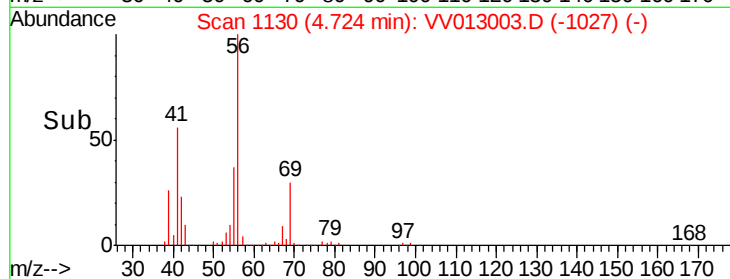
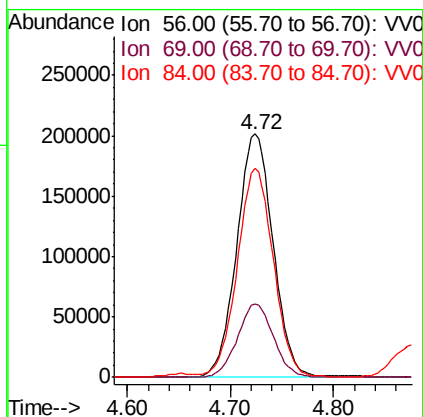
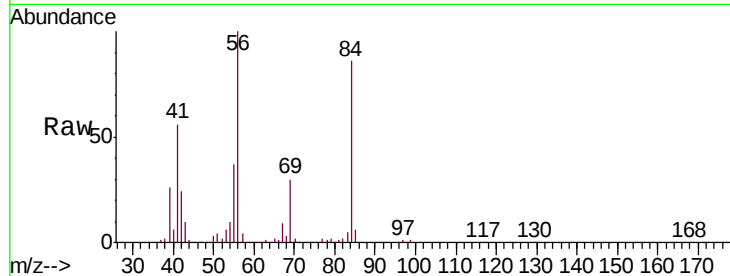




#30
Cyclohexane
Concen: 28.734 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

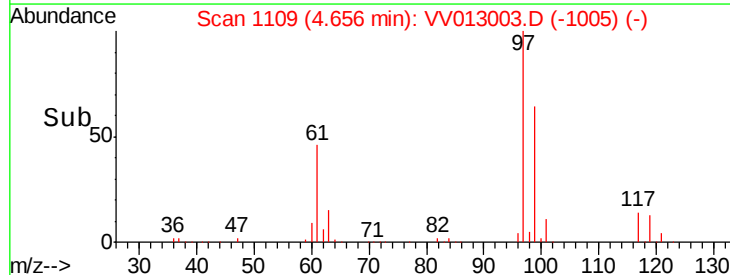
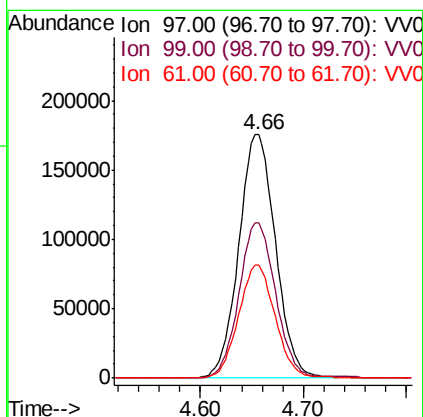
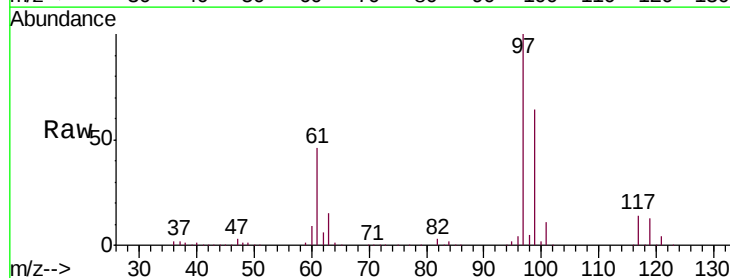
Instrument :
MSVOA_V
ClientSampled :
BFB65

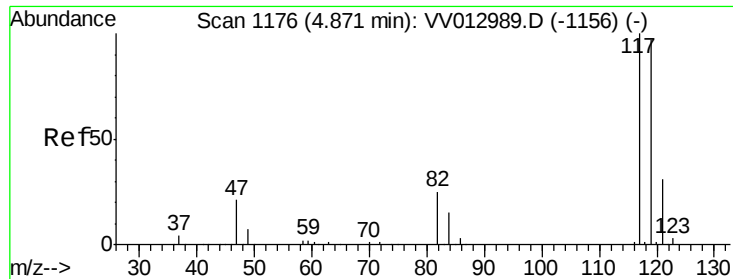
Tgt Ion: 56 Resp: 493866
Ion Ratio Lower Upper
56 100
69 29.7 23.8 35.8
84 84.3 68.4 102.6



#31
1,1,1-Trichloroethane
Concen: 27.451 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

Tgt Ion: 97 Resp: 435253
Ion Ratio Lower Upper
97 100
99 63.4 51.7 77.5
61 46.3 37.8 56.8





#32

Carbon tetrachloride

Concen: 27.543 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

Instrument :

MSVOA_V

ClientSampleId :

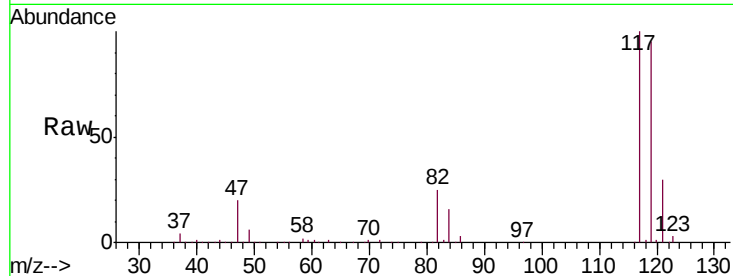
BFB65

Tgt Ion:117 Resp: 395982

Ion Ratio Lower Upper

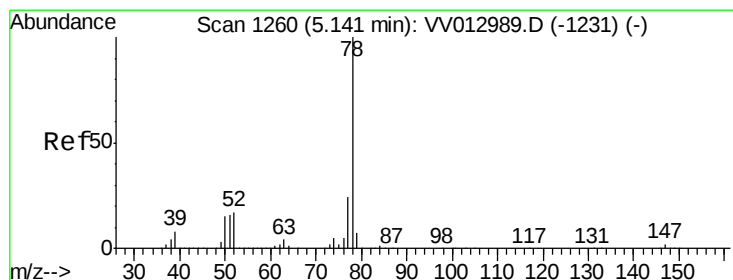
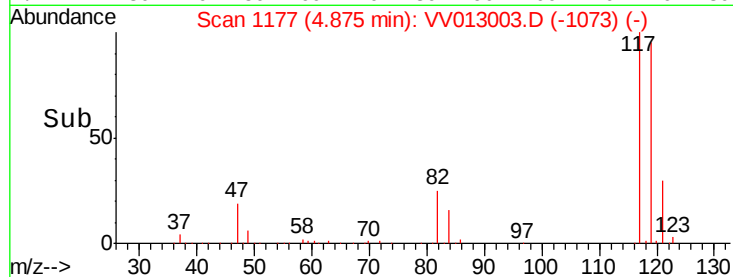
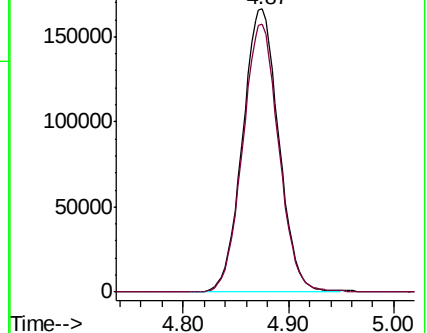
117 100

119 94.6 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.911 ug/L

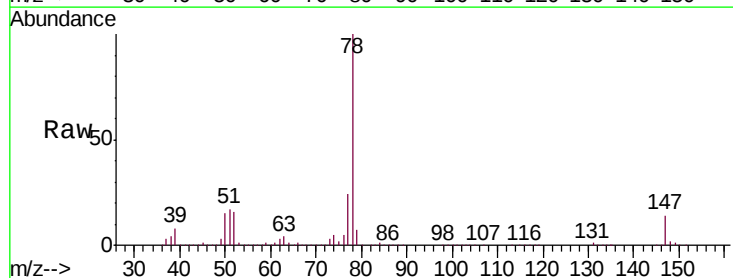
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

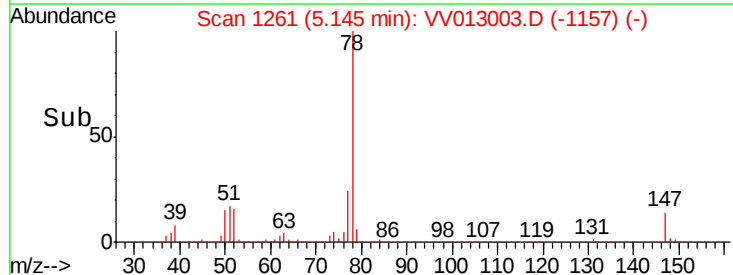
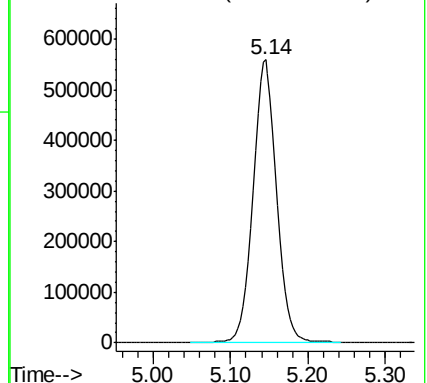
Lab File: VV013003.D

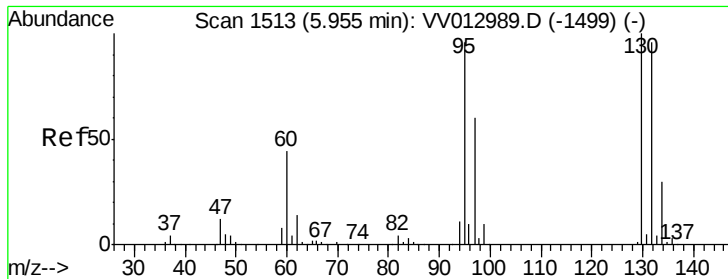
Acq: 27 Sep 2019 10:18

Tgt Ion: 78 Resp: 1200097



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 25.965 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

Instrument :

MSVOA_V

ClientSampleId :

BFB65

Tgt Ion: 95 Resp: 322553

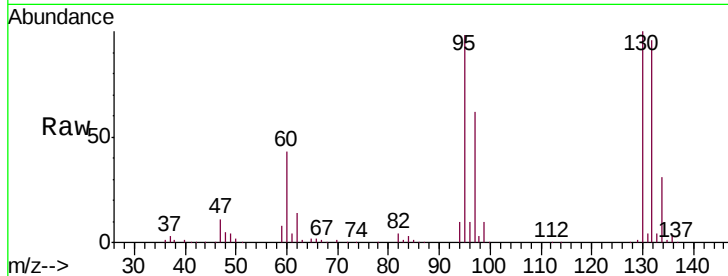
Ion Ratio Lower Upper

95 100

97 64.2 44.7 82.9

132 99.2 70.1 130.1

130 102.8 73.3 136.1

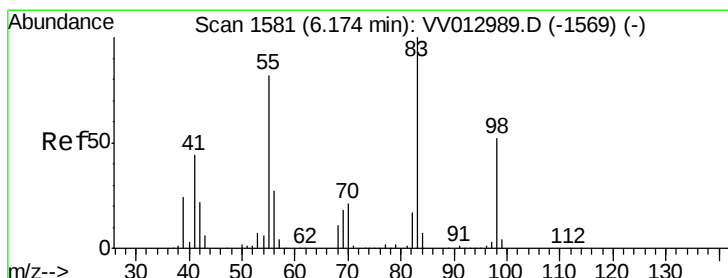
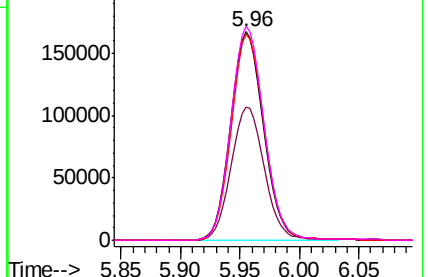
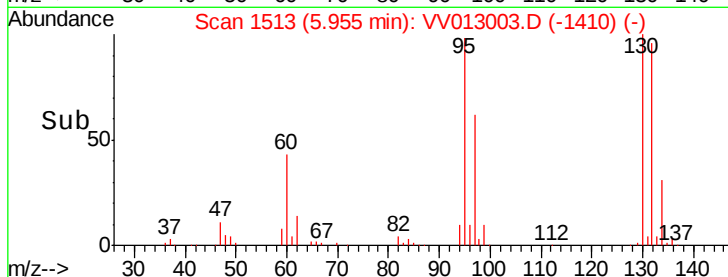


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 28.086 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

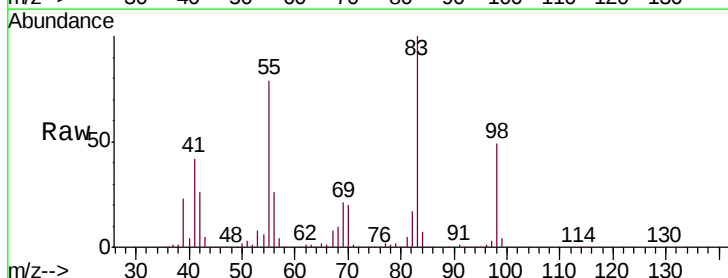
Tgt Ion: 83 Resp: 535615

Ion Ratio Lower Upper

83 100

55 77.6 61.8 92.8

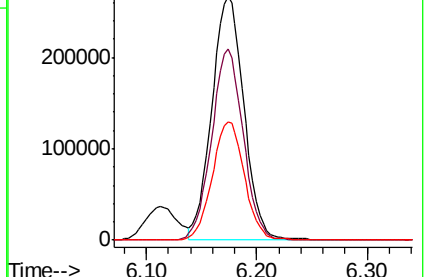
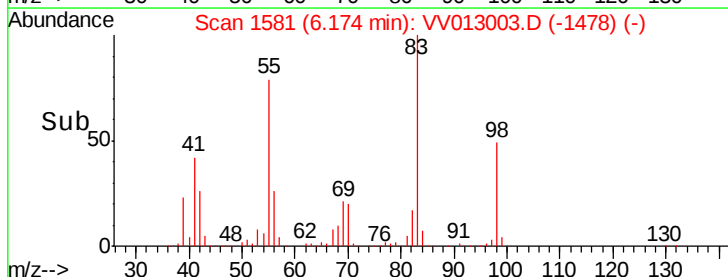
98 48.8 39.3 58.9

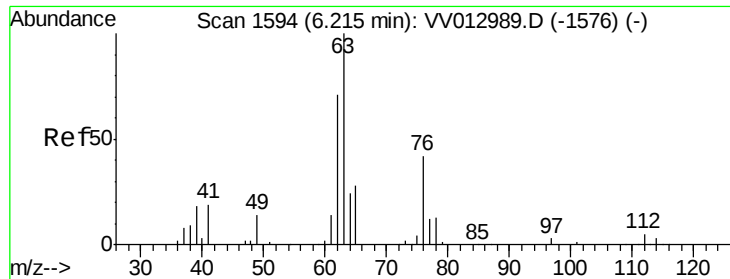


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

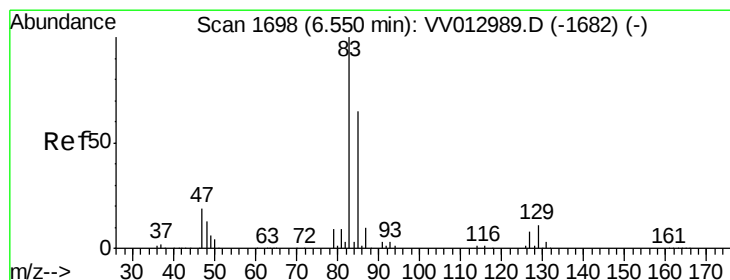
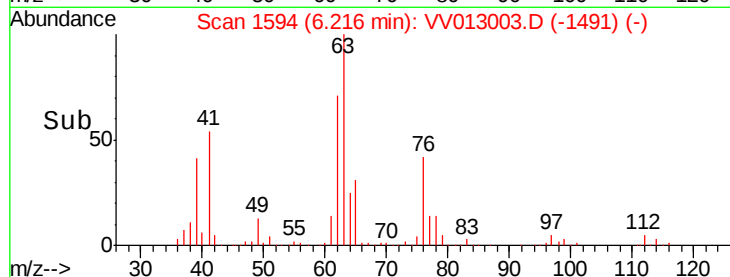
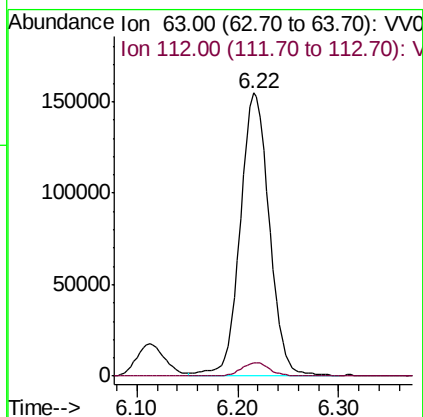
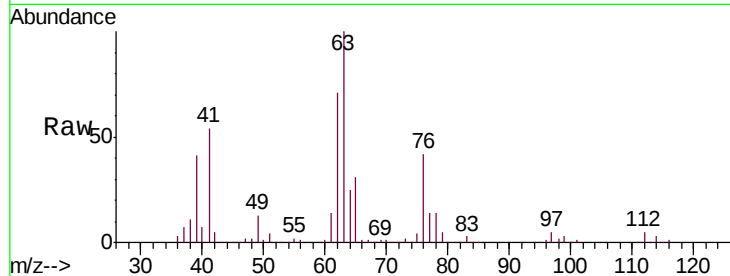




#40
 1,2-Dichloropropane
 Concen: 26.655 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV013003.D
 Acq: 27 Sep 2019 10:18

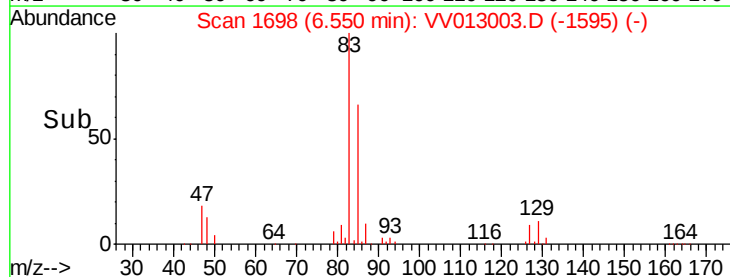
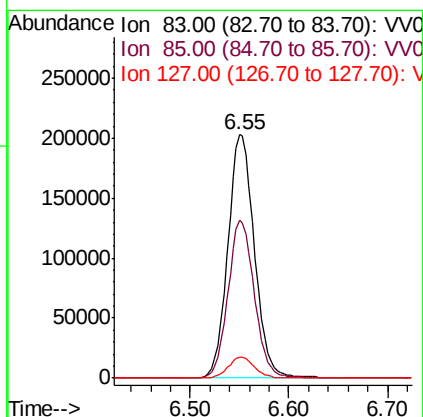
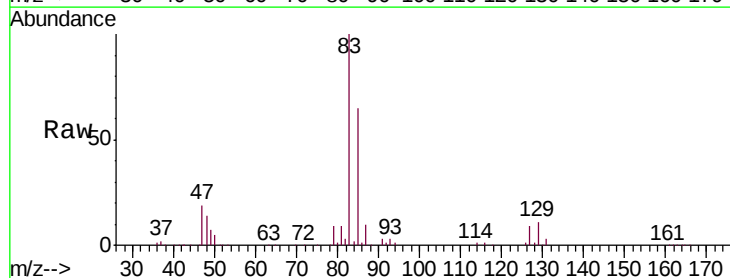
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB65

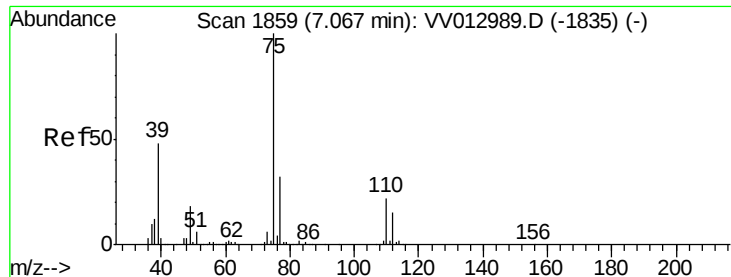
Tgt Ion: 63 Resp: 309109
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#41
 Bromodichloromethane
 Concen: 25.677 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV013003.D
 Acq: 27 Sep 2019 10:18

Tgt Ion: 83 Resp: 381398
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.3 84.1
 127 8.6 7.2 10.8



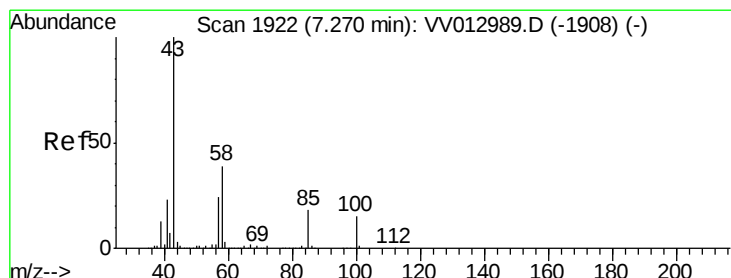
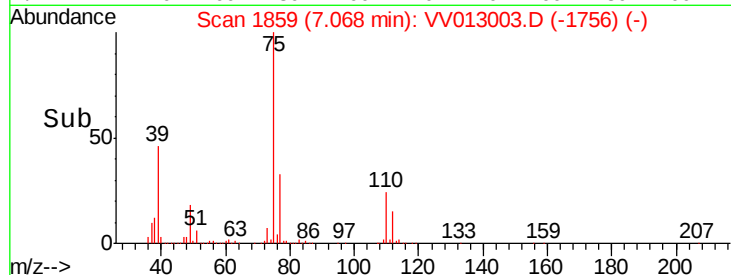
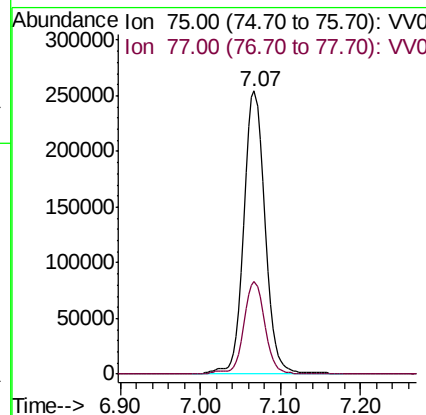
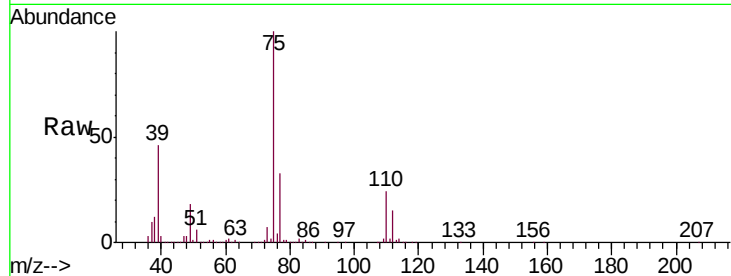


#42

cis-1,3-Dichloropropene
Concen: 26.568 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

Instrument :
MSVOA_V
ClientSampleId :
BFB65

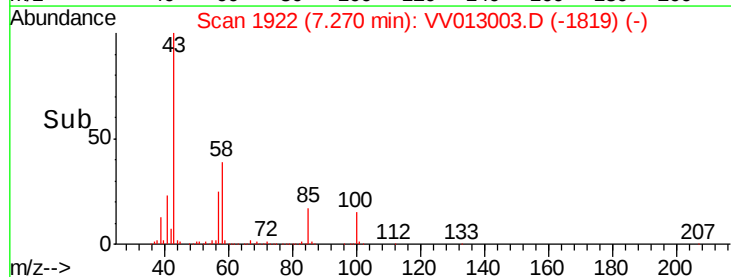
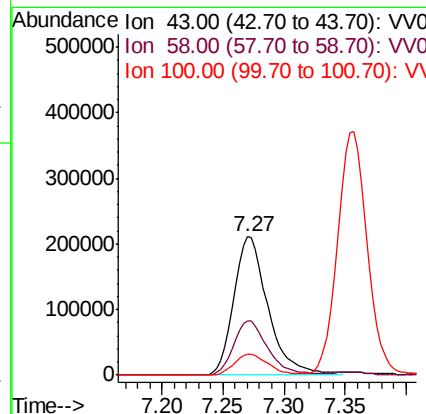
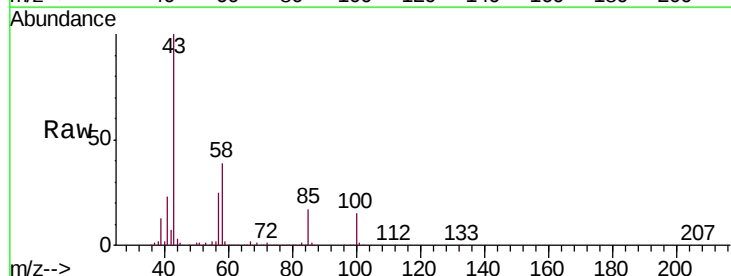
Tgt Ion: 75 Resp: 452719
Ion Ratio Lower Upper
75 100
77 32.6 21.5 39.9

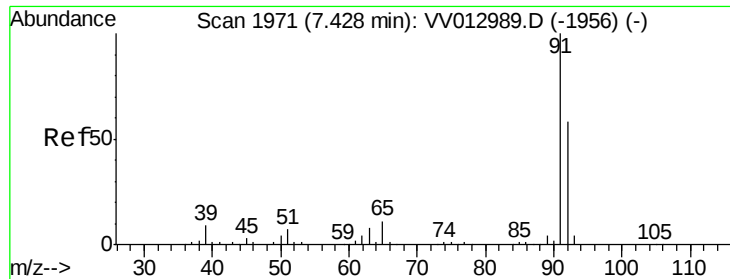


#43

4-Methyl-2-pentanone
Concen: 43.364 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

Tgt Ion: 43 Resp: 413160
Ion Ratio Lower Upper
43 100
58 38.8 31.2 46.8
100 14.8 12.2 18.2





#44

Toluene

Concen: 27.952 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

Instrument :

MSVOA_V

ClientSampleId :

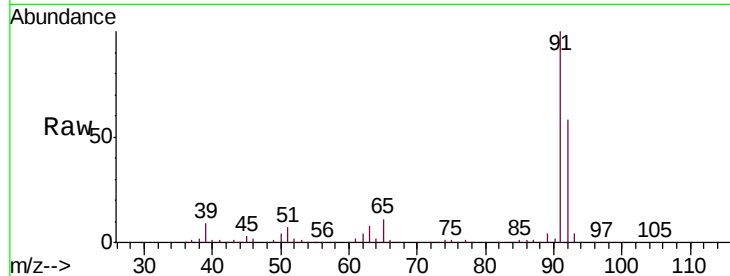
BFB65

Tgt Ion: 91 Resp: 1314676

Ion Ratio Lower Upper

91 100

92 58.3 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VV012989.D (-1956) (-)

Ion 92.00 (91.70 to 92.70): VV012989.D (-1956) (-)

7.43

800000

600000

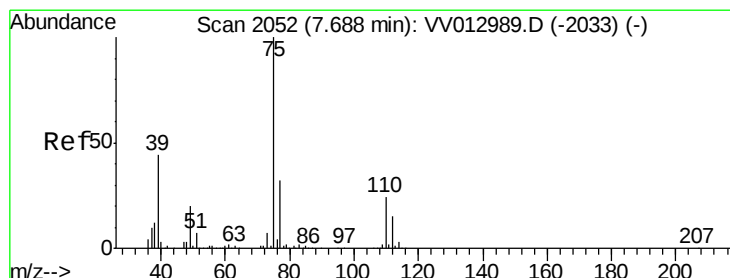
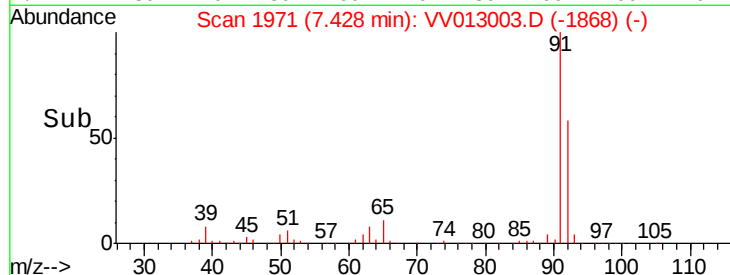
400000

200000

0

7.40 7.50

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.157 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV013003.D

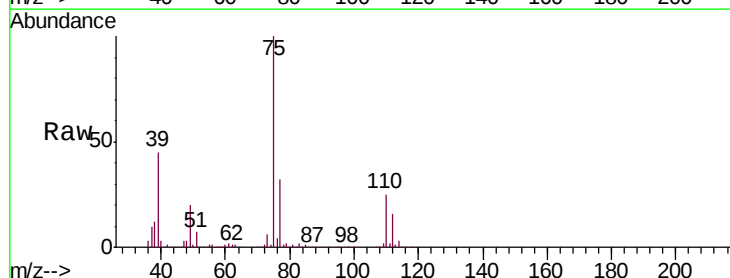
Acq: 27 Sep 2019 10:18

Tgt Ion: 75 Resp: 360793

Ion Ratio Lower Upper

75 100

77 31.6 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV012989.D (-2033) (-)

Ion 77.00 (76.70 to 77.70): VV012989.D (-2033) (-)

7.69

250000

200000

150000

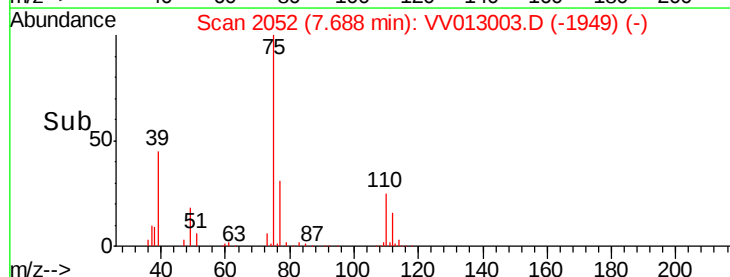
100000

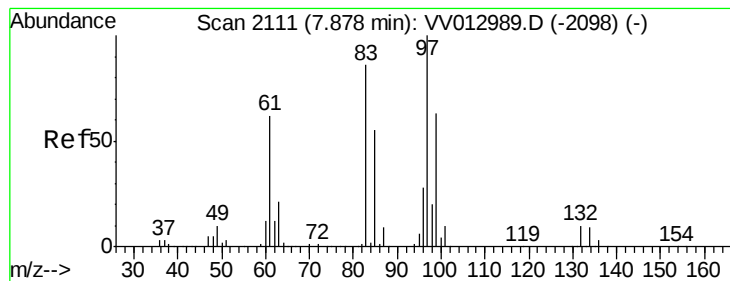
50000

0

7.60 7.70 7.80

Time-->





#46

1,1,2-Trichloroethane

Concen: 23.660 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

Instrument :

MSVOA_V

ClientSampleId :

BFB65

Tgt Ion: 97 Resp: 232938

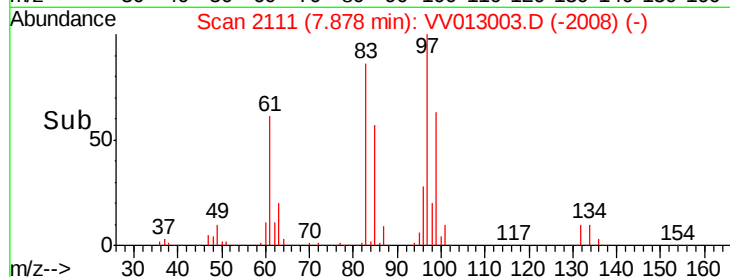
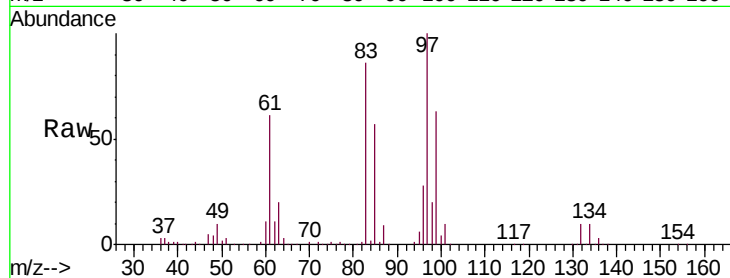
Ion Ratio Lower Upper

97 100

83 86.3 58.9 109.5

85 56.6 38.4 71.2

99 63.4 43.8 81.4



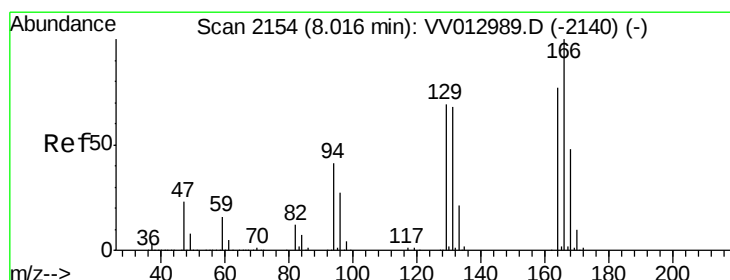
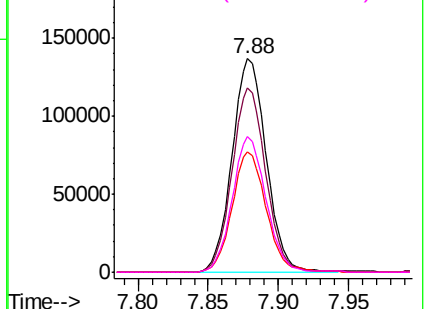
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 26.546 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

Tgt Ion: 164 Resp: 268022

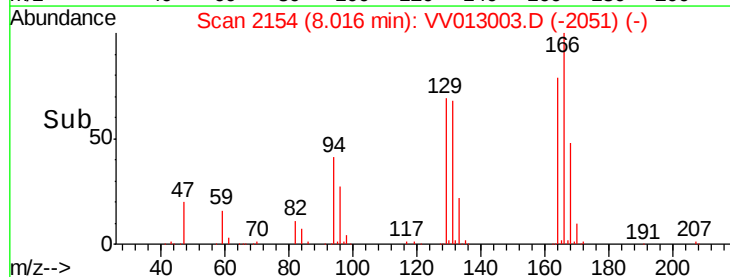
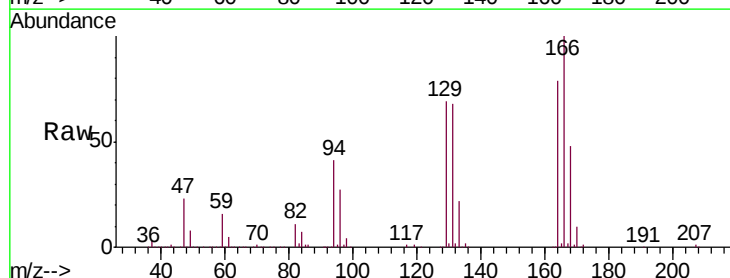
Ion Ratio Lower Upper

164 100

129 87.5 62.8 116.6

131 85.9 60.2 111.8

166 127.1 89.4 166.0



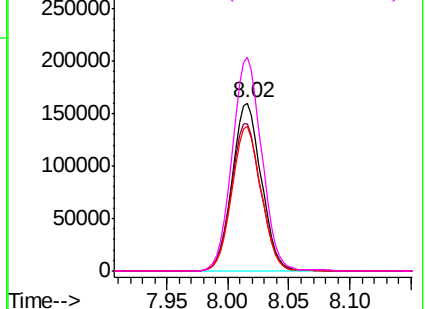
Abundance

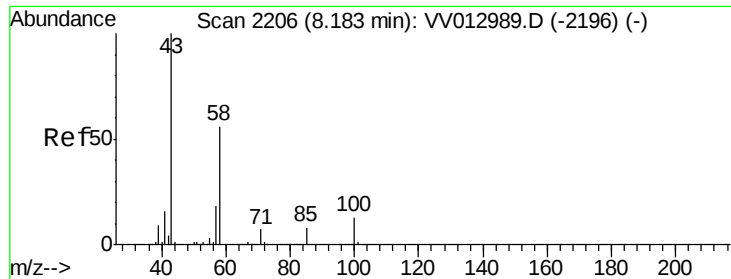
Ion 164.00 (163.70 to 164.70): V

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

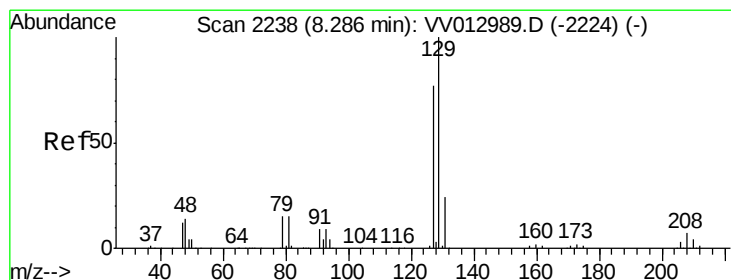
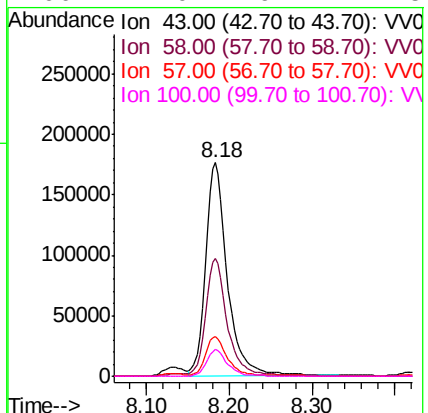
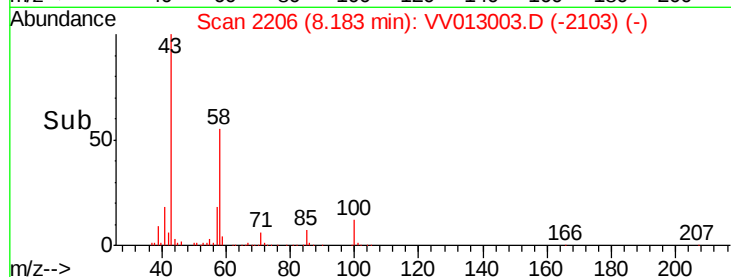
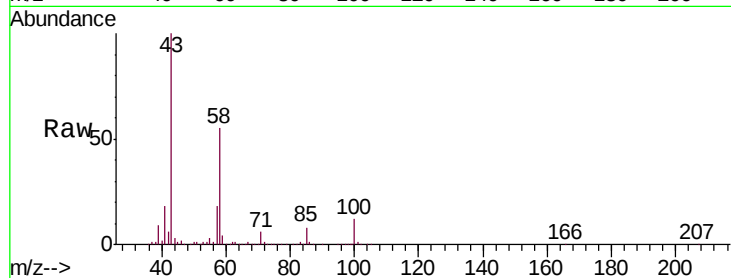




#49
2-Hexanone
Concen: 44.944 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

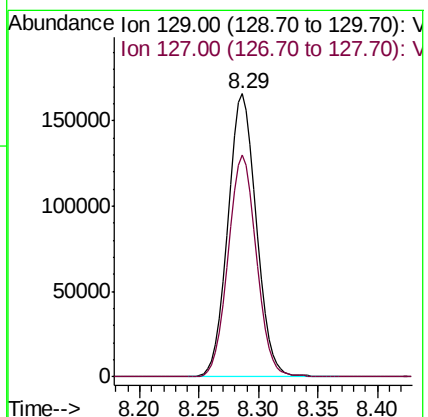
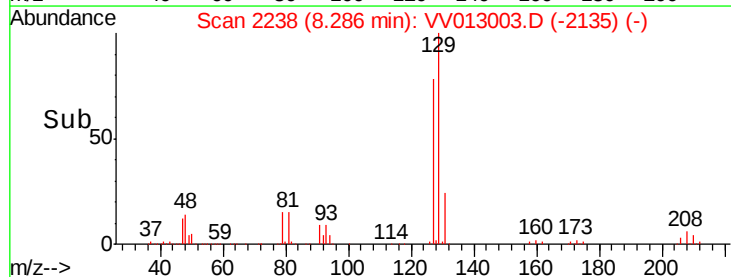
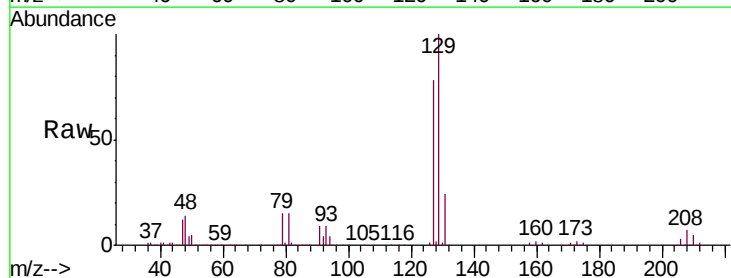
Instrument :
MSVOA_V
ClientSampleId :
BFB65

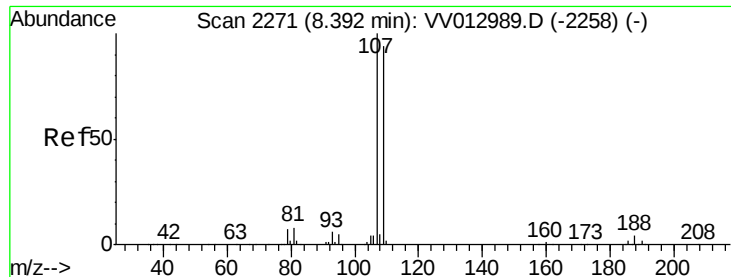
Tgt Ion: 43 Resp: 322787
Ion Ratio Lower Upper
43 100
58 53.2 46.5 69.7
57 18.9 15.5 23.3
100 12.0 9.7 14.5



#50
Dibromochloromethane
Concen: 24.343 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

Tgt Ion: 129 Resp: 275459
Ion Ratio Lower Upper
129 100
127 78.2 53.7 99.7





#51

1,2-Dibromoethane

Concen: 23.462 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

Instrument :

MSVOA_V

ClientSampleId :

BFB65

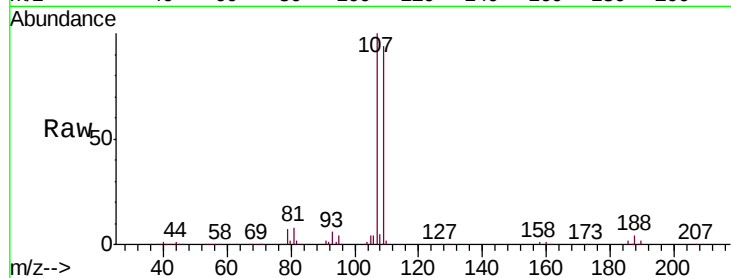
Tgt Ion:107 Resp: 226355

Ion Ratio Lower Upper

107 100

109 93.5 66.1 122.8

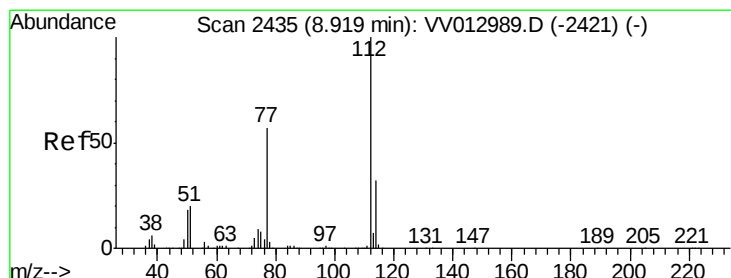
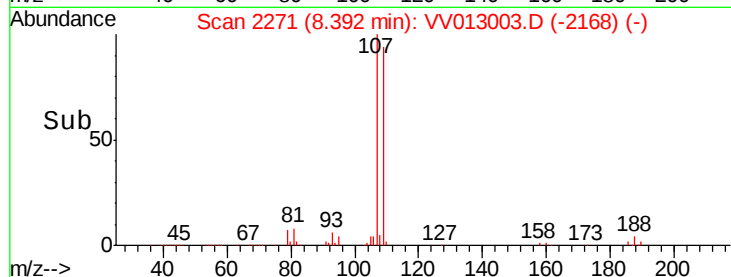
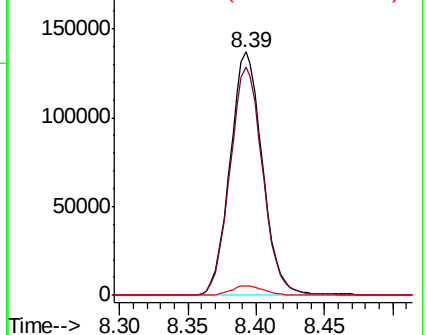
188 4.1 3.1 4.7



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



#52

Chlorobenzene

Concen: 25.884 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

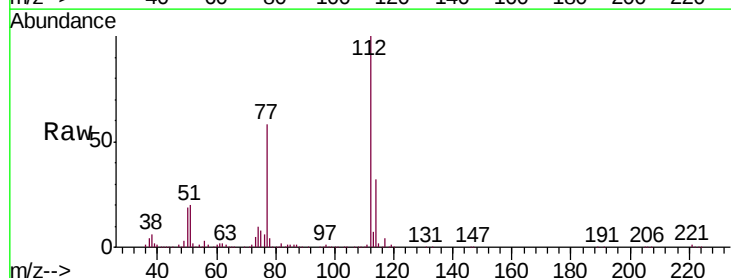
Tgt Ion:112 Resp: 840127

Ion Ratio Lower Upper

112 100

77 58.3 46.3 69.5

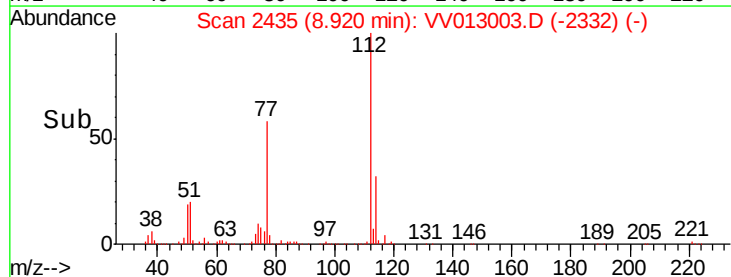
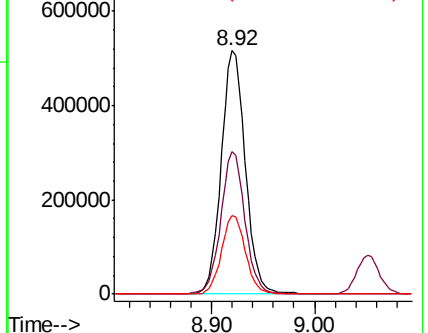
114 32.4 22.5 41.7

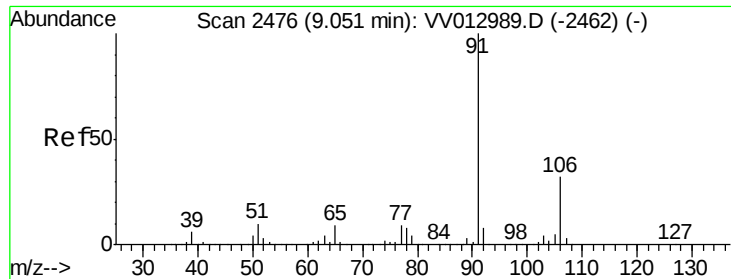


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

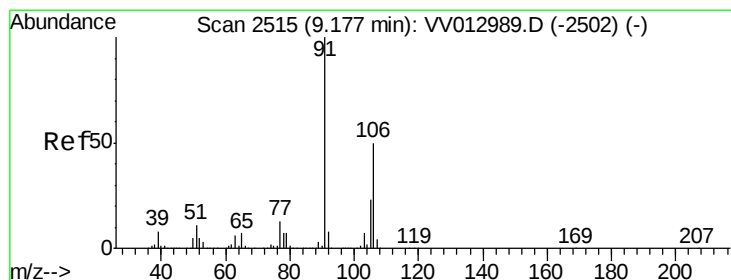
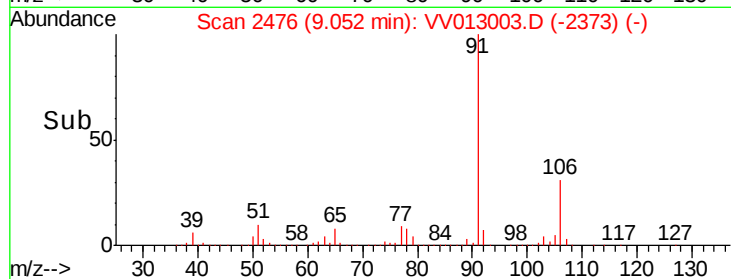
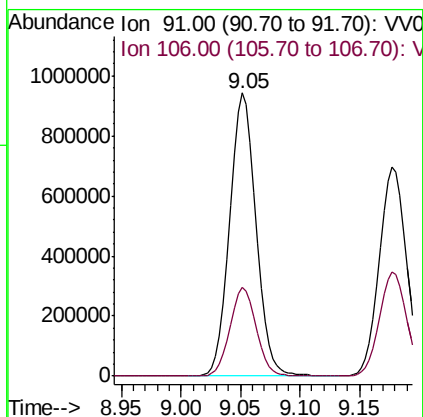
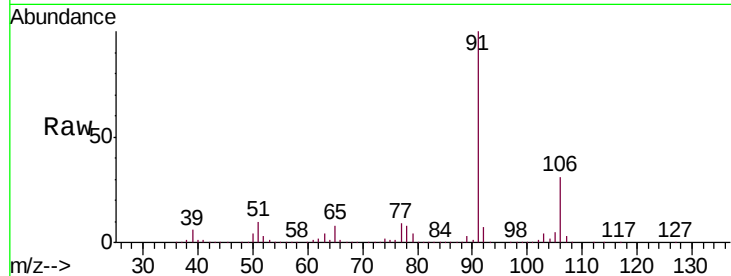




#53
Ethylbenzene
Concen: 27.995 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

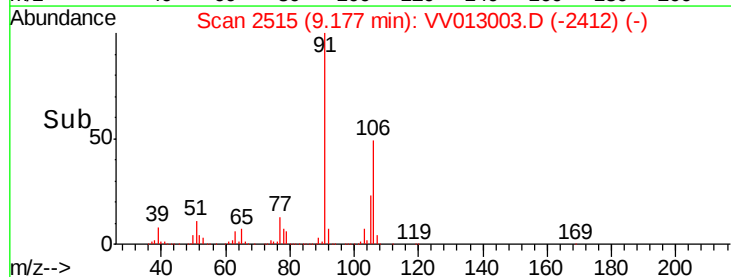
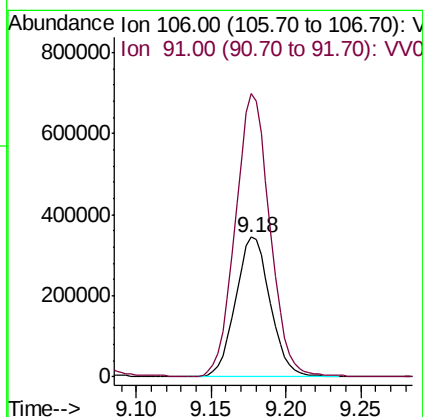
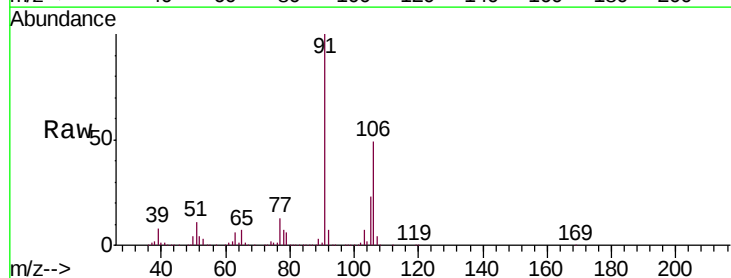
Instrument :
MSVOA_V
ClientSampleId :
BFB65

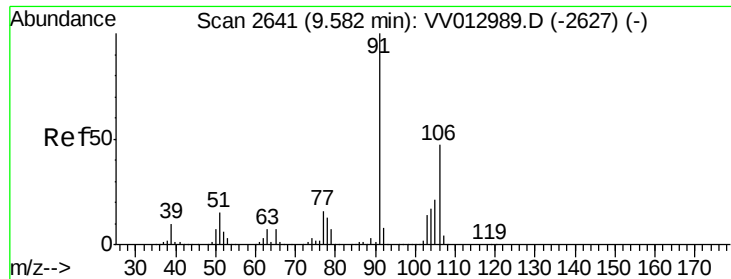
Tgt Ion: 91 Resp: 1449704
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.4



#54
m,p-Xylene
Concen: 28.227 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV013003.D
Acq: 27 Sep 2019 10:18

Tgt Ion: 106 Resp: 555708
Ion Ratio Lower Upper
106 100
91 202.3 140.1 260.3





#55

o-xylene

Concen: 28.306 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

Instrument :

MSVOA_V

ClientSampleId :

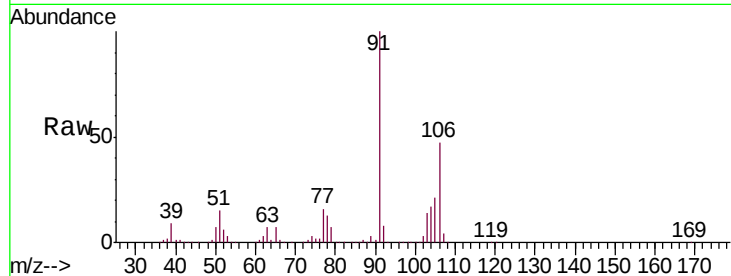
BFB65

Tgt Ion:106 Resp: 530961

Ion Ratio Lower Upper

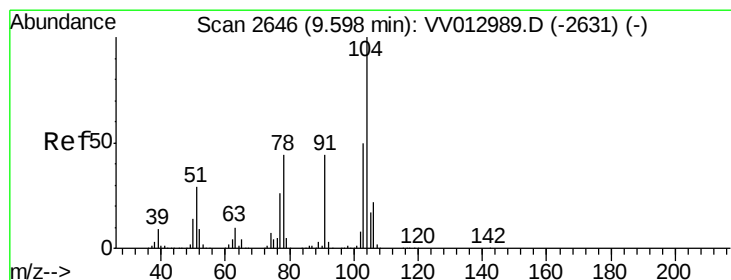
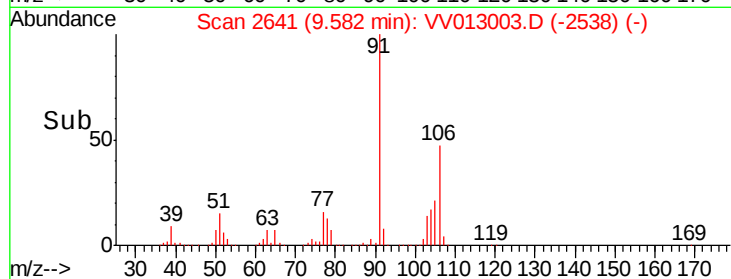
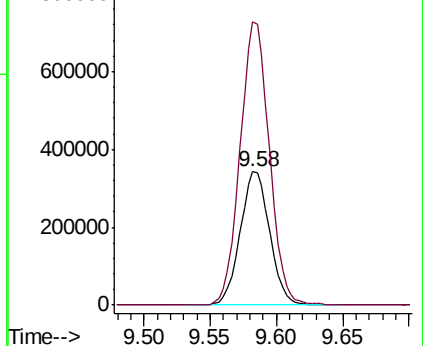
106 100

91 212.5 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 28.230 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013003.D

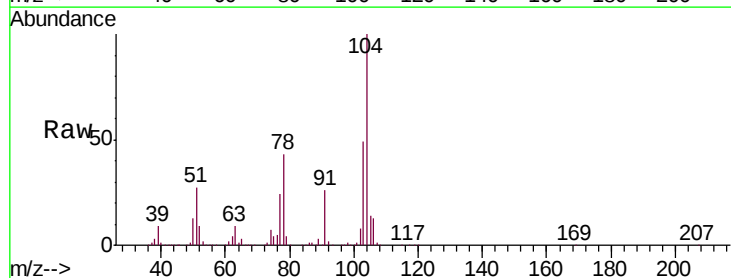
Acq: 27 Sep 2019 10:18

Tgt Ion:104 Resp: 931737

Ion Ratio Lower Upper

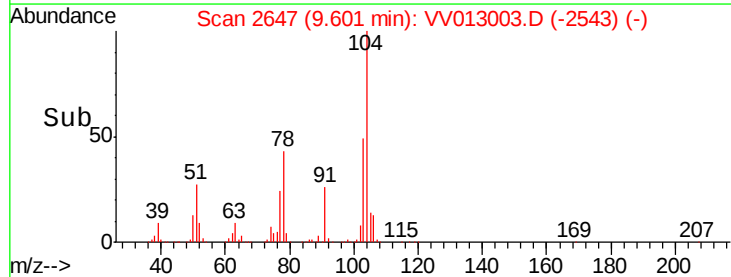
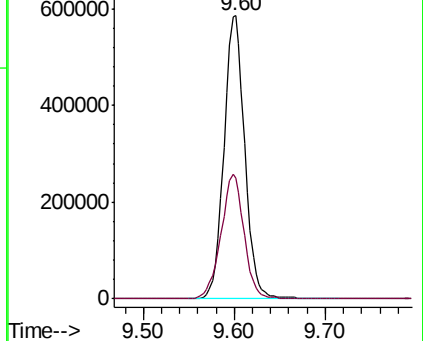
104 100

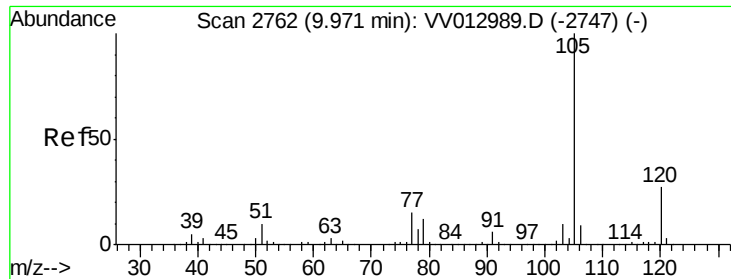
78 42.8 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 29.246 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

Instrument :

MSVOA_V

ClientSampleId :

BFB65

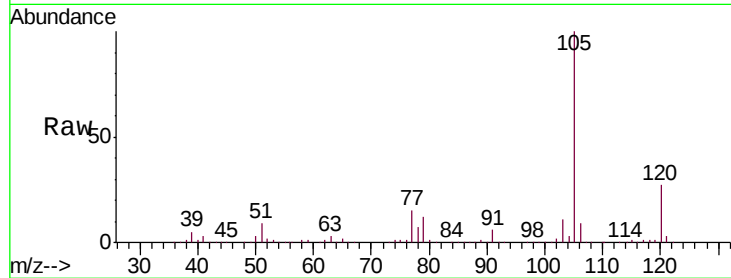
Tgt Ion:105 Resp: 1441763

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.0

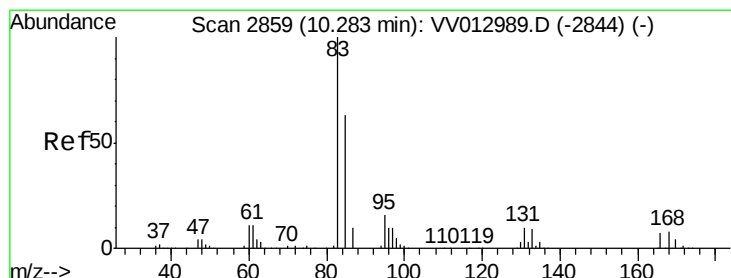
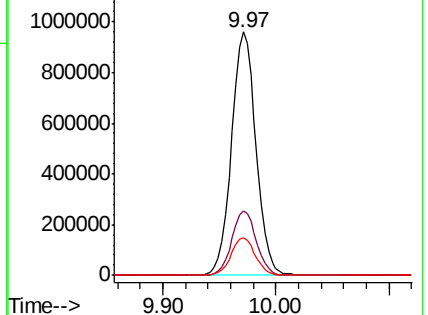
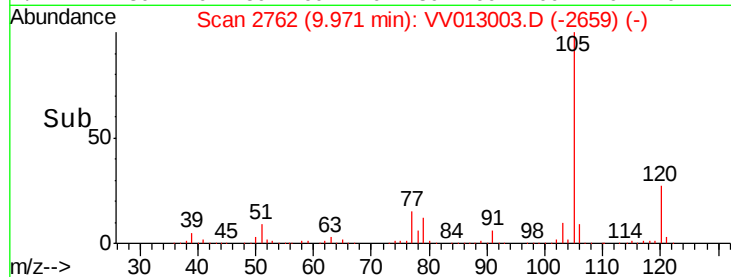
77 15.4 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 22.313 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

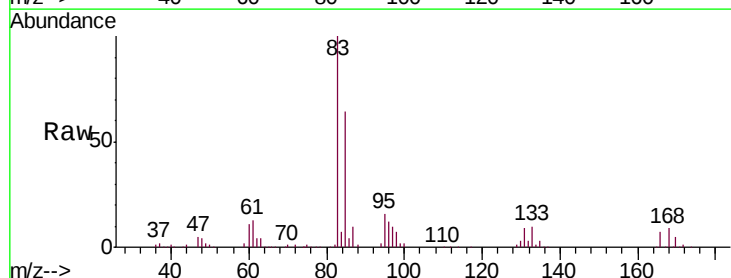
Tgt Ion: 83 Resp: 271733

Ion Ratio Lower Upper

83 100

85 64.1 45.4 84.2

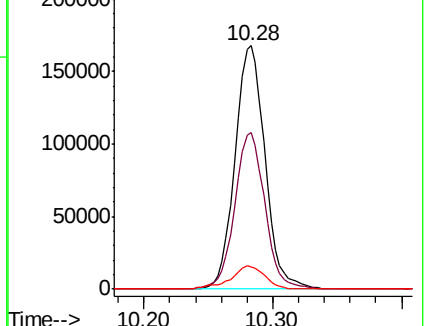
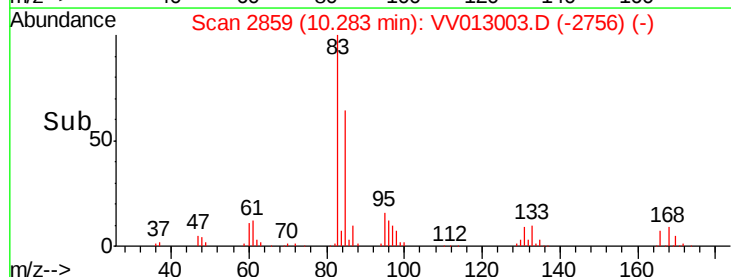
131 9.3 8.2 12.2

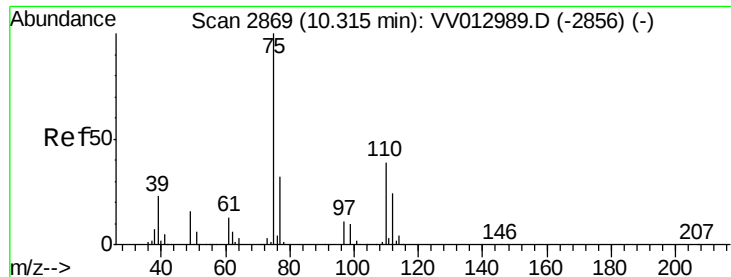


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.379 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

Instrument :

MSVOA_V

ClientSampleId :

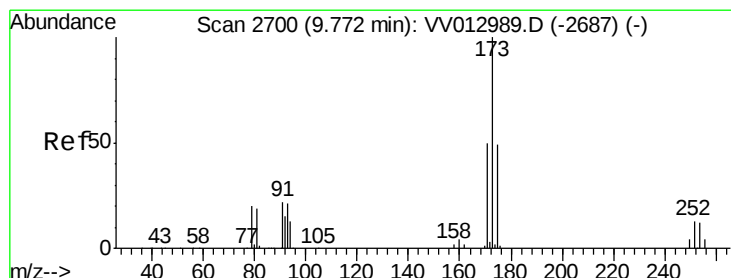
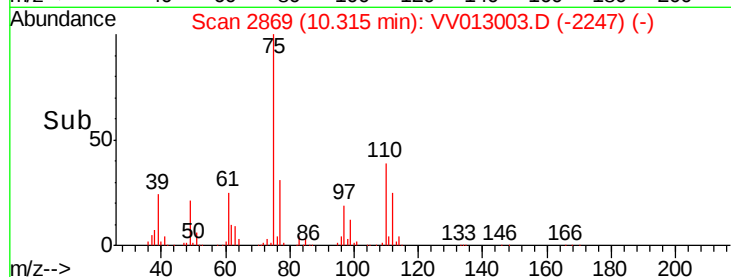
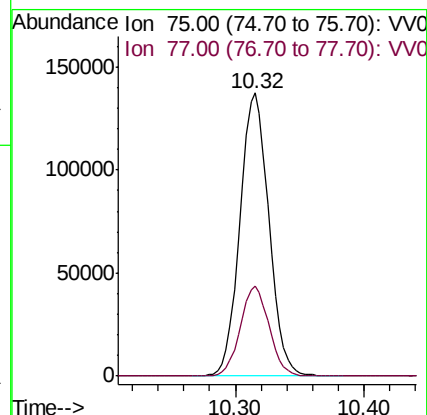
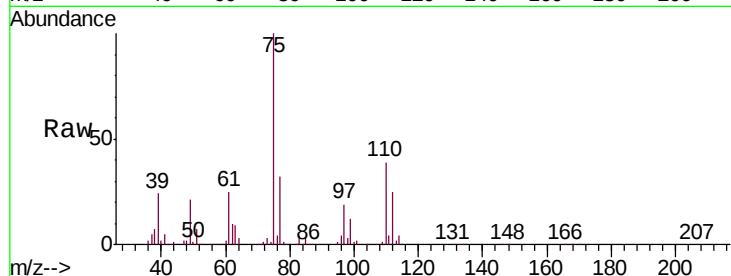
BFB65

Tgt Ion: 75 Resp: 214890

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0



#62

Bromoform

Concen: 23.124 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

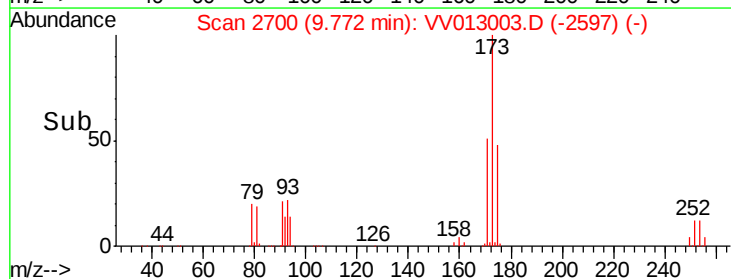
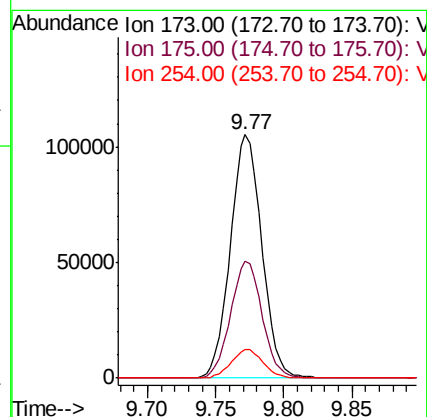
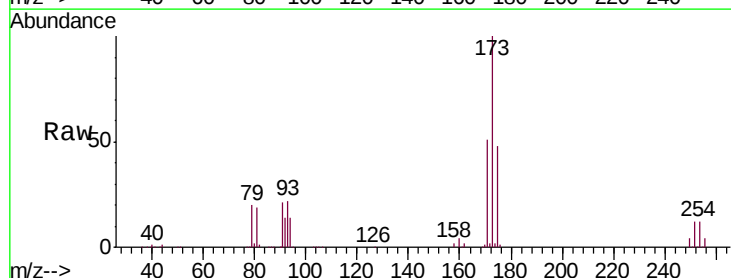
Tgt Ion: 173 Resp: 168872

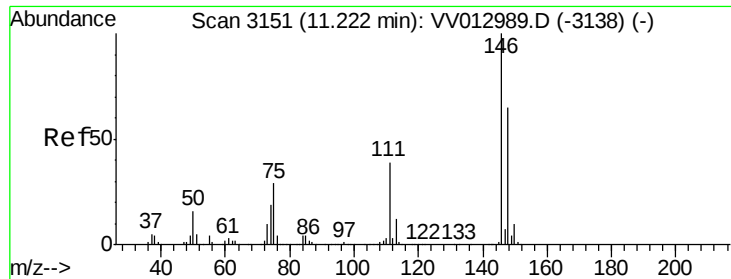
Ion Ratio Lower Upper

173 100

175 48.1 39.5 59.3

254 11.8 9.1 13.7

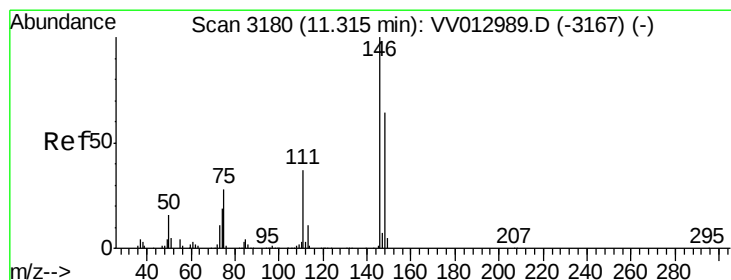
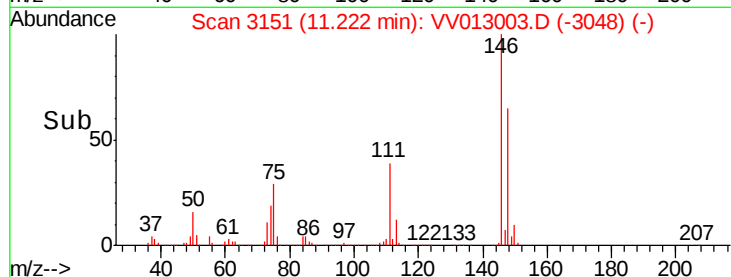
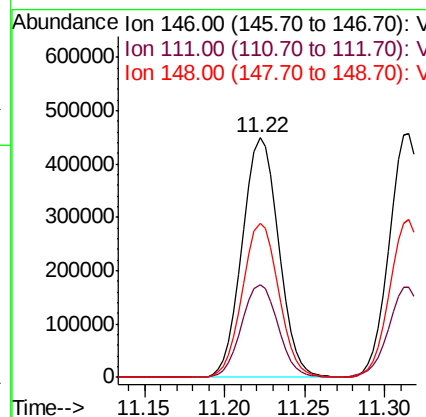
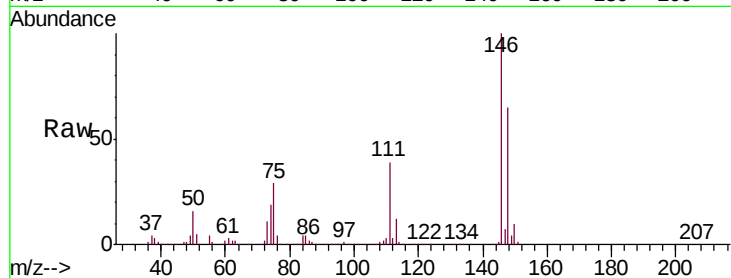




#63
 1,3-Dichlorobenzene
 Concen: 26.304 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013003.D
 Acq: 27 Sep 2019 10:18

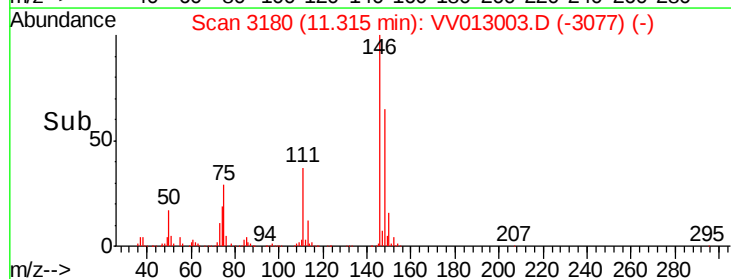
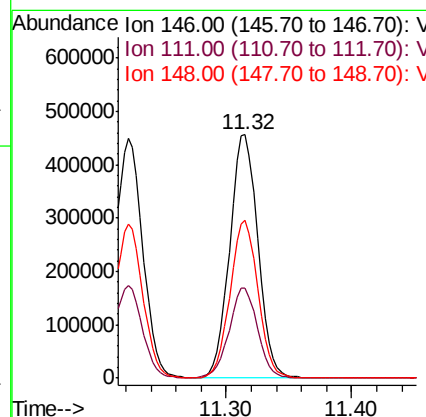
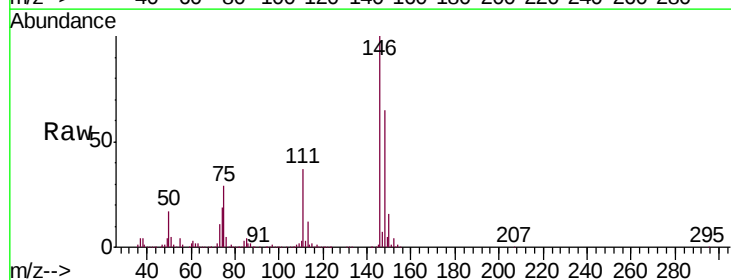
Instrument :
 MSVOA_V
 ClientSampled :
 BFB65

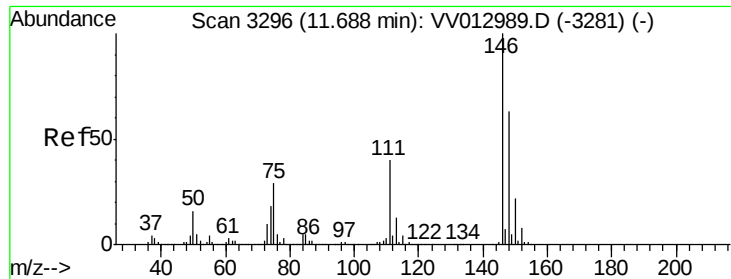
Tgt Ion:146 Resp: 696802
 Ion Ratio Lower Upper
 146 100
 111 38.9 26.7 49.7
 148 64.5 43.9 81.5



#64
 1,4-Dichlorobenzene
 Concen: 25.570 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013003.D
 Acq: 27 Sep 2019 10:18

Tgt Ion:146 Resp: 710922
 Ion Ratio Lower Upper
 146 100
 111 37.0 25.5 47.3
 148 64.7 45.1 83.9

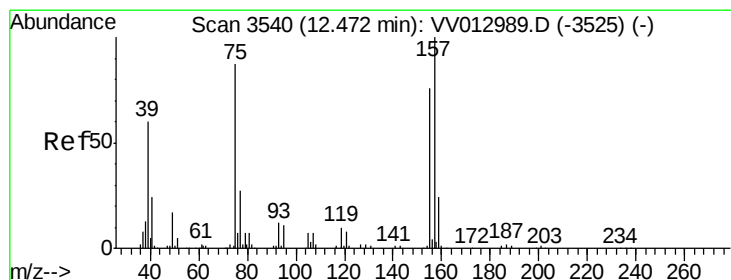
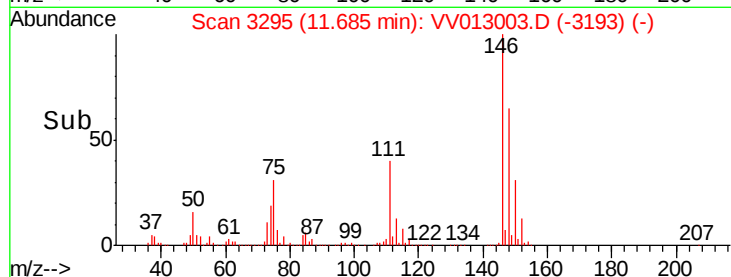
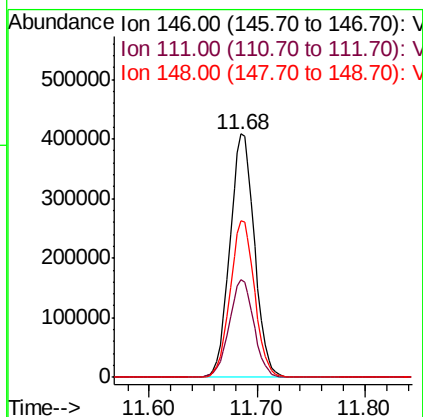
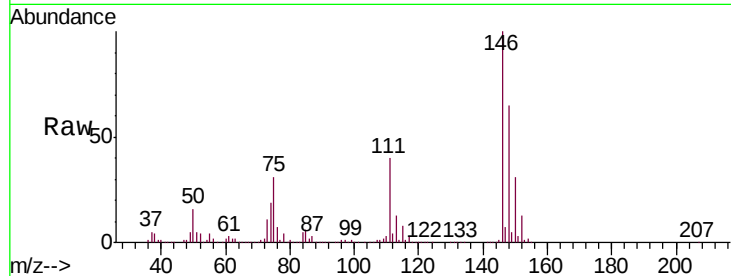




#65
 1,2-Dichlorobenzene
 Concen: 25.565 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013003.D
 Acq: 27 Sep 2019 10:18

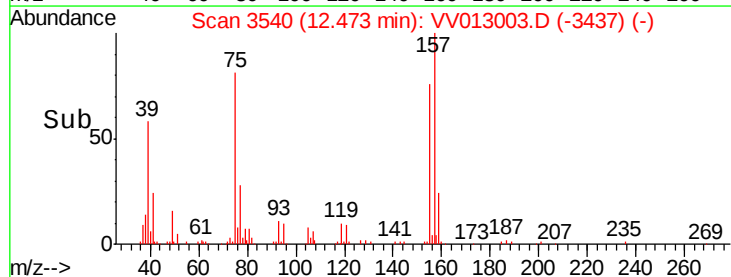
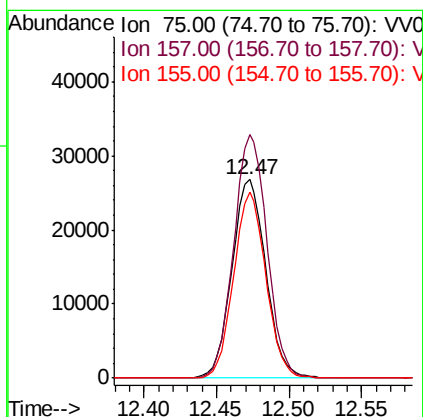
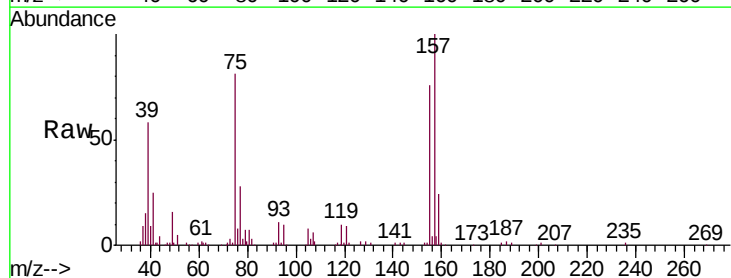
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB65

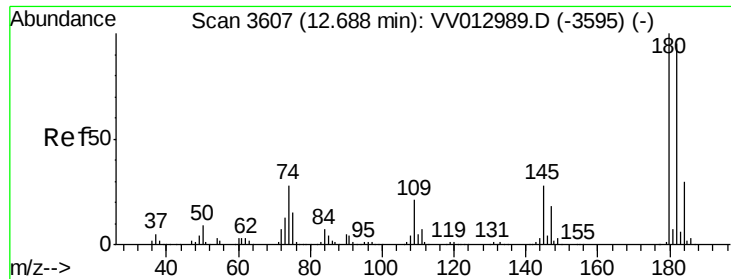
Tgt Ion: 146 Resp: 645974
 Ion Ratio Lower Upper
 146 100
 111 40.0 31.9 47.9
 148 64.5 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.458 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013003.D
 Acq: 27 Sep 2019 10:18

Tgt Ion: 75 Resp: 43590
 Ion Ratio Lower Upper
 75 100
 157 122.8 91.7 137.5
 155 93.9 70.8 106.2

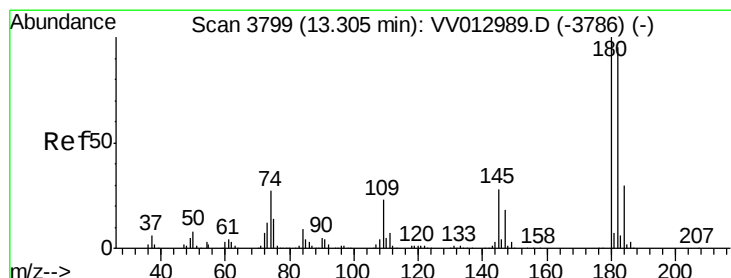
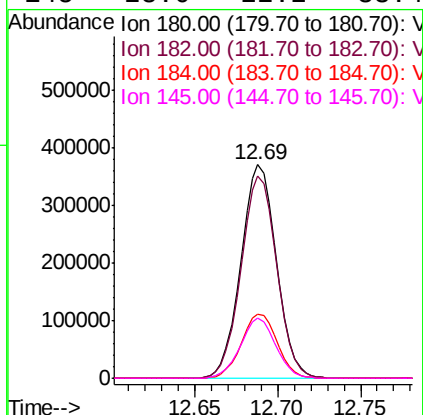
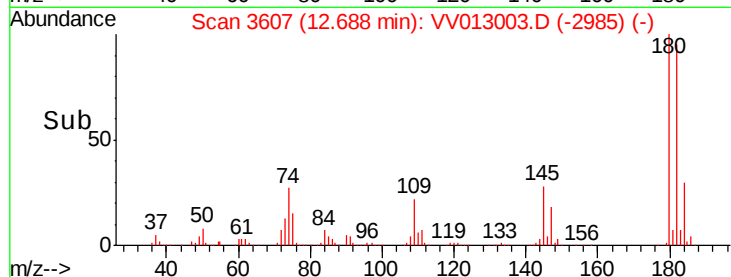
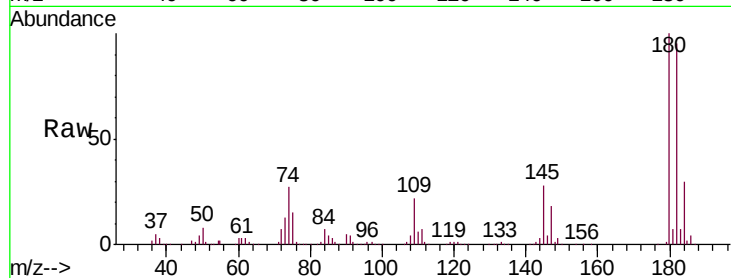




#67
 1,3,5-Trichlorobenzene
 Concen: 26.696 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013003.D
 Acq: 27 Sep 2019 10:18

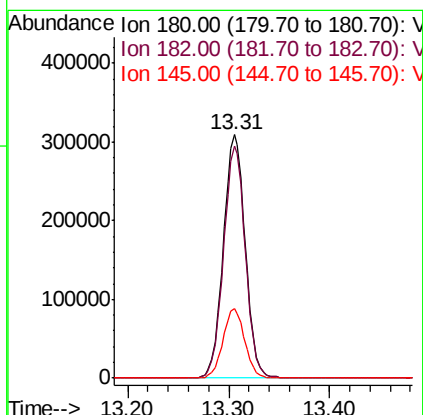
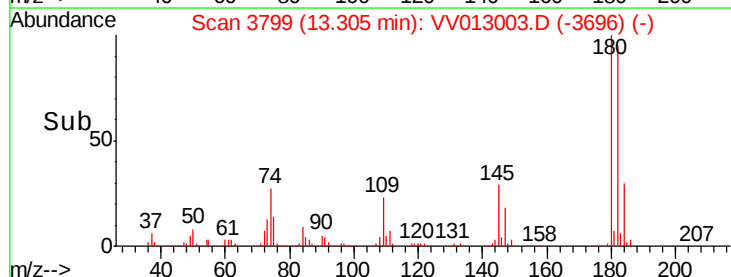
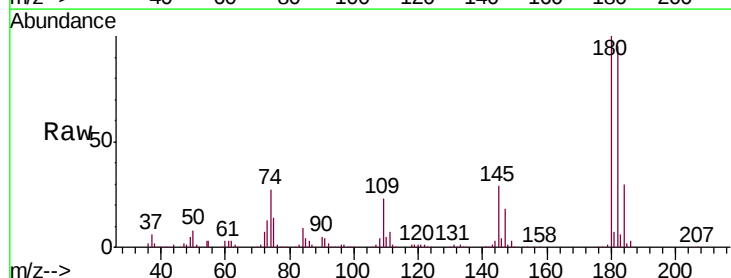
Instrument :
 MSVOA_V
 ClientSampled :
 BFB65

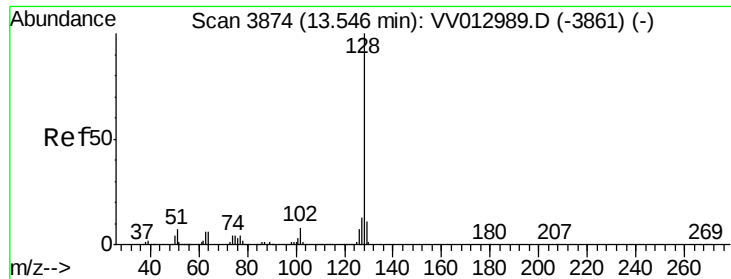
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.4	114.6
184	30.4	24.6	37.0
145	28.0	22.2	33.4



#68
 1,2,4-trichlorobenzene
 Concen: 25.896 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013003.D
 Acq: 27 Sep 2019 10:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.8	115.2
145	28.4	22.6	34.0





#69

Naphthalene

Concen: 22.589 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

Instrument :

MSVOA_V

ClientSampleId :

BFB65

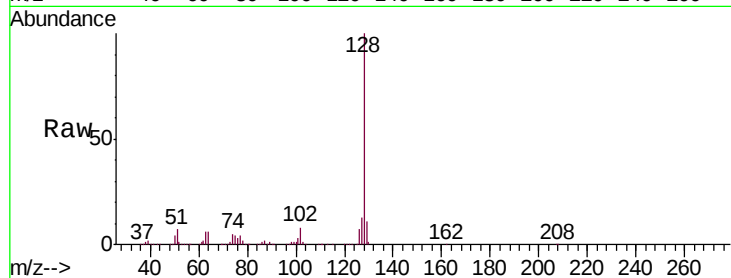
Tgt Ion:128 Resp: 823270

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

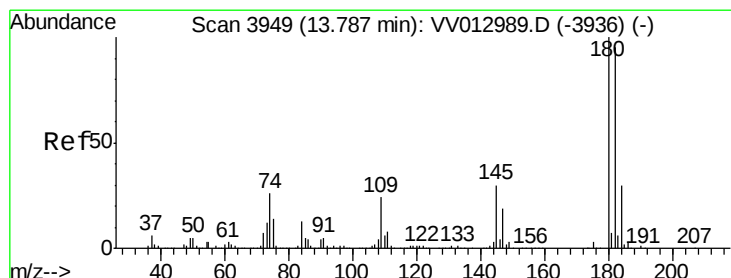
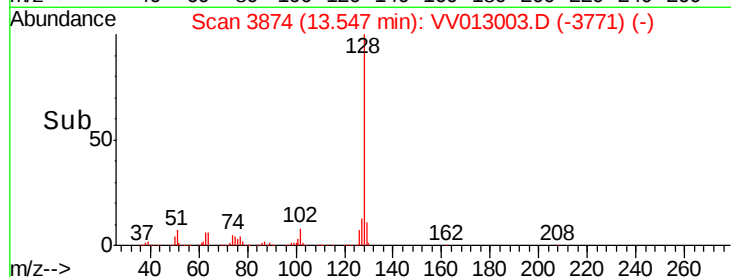
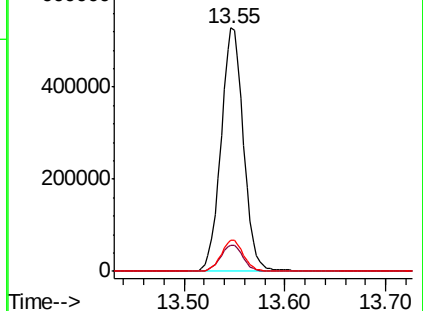
127 12.8 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.419 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013003.D

Acq: 27 Sep 2019 10:18

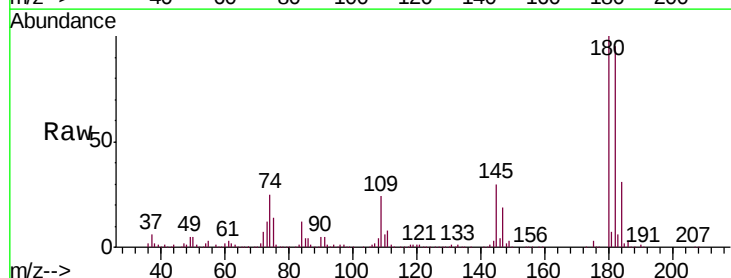
Tgt Ion:180 Resp: 442851

Ion Ratio Lower Upper

180 100

182 94.7 77.4 116.2

145 29.7 23.9 35.9



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

