

Data File : VV013030.D
Acq On : 02 Oct 2019 16:26
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

Quant Time: Oct 03 04:00:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM093019SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 03 03:55:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	727358	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	710140	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	392363	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	235935	22.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.68%
7) Chloroethane-d5	1.58	69	182585	20.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.72%
11) 1,1-Dichloroethene-d2	2.13	63	434090	24.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.92%
21) 2-Butanone-d5	3.94	46	204028	55.53	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.06%
24) Chloroform-d	4.40	84	472927	24.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.56%
26) 1,2-Dichloroethane-d4	5.08	65	266643	23.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.68%
32) Benzene-d6	5.10	84	946617	24.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.68%
36) 1,2-Dichloropropane-d6	6.11	67	296198	24.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.48%
41) Toluene-d8	7.36	98	884833	24.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.92%
43) trans-1,3-Dichloropropene-	7.66	79	124025	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.28%
47) 2-Hexanone-d5	8.13	63	145987	56.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.78%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	295823	25.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.04%
66) 1,2-Dichlorobenzene-d4	11.67	152	357740	23.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.56%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	238764	30.639 ug/L	100
3) Chloromethane	1.25	50	285565	28.781 ug/L	99
5) Vinyl chloride	1.32	62	291025	28.469 ug/L	100
6) Bromomethane	1.53	94	166044	25.285 ug/L	98
8) Chloroethane	1.60	64	169604	26.250 ug/L	100
9) Trichlorofluoromethane	1.77	101	395711	28.578 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	245660	27.679 ug/L	97
12) 1,1-Dichloroethene	2.14	96	231538	27.776 ug/L	93
13) Acetone	2.20	43	210963	54.478 ug/L	99
14) Carbon disulfide	2.32	76	693392	27.103 ug/L	100
15) Methyl Acetate	2.46	43	169228	28.319 ug/L	98
16) Methylene chloride	2.53	84	285919	24.001 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	264231	26.889 ug/L	99
18) Methyl tert-butyl Ether	2.80	73	657671	26.606 ug/L	99
19) 1,1-Dichloroethane	3.23	63	491494	27.253 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	294360	26.933 ug/L	99
22) 2-Butanone	4.02	43	247703	58.357 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Thu Oct 03 03:55:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	138722	25.890	ug/L	95
25) Chloroform	4.42	83	500837	26.637	ug/L	98
27) 1,2-Dichloroethane	5.18	62	353368	27.339	ug/L	98
29) Cyclohexane	4.72	56	430806	27.557	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	399065	27.512	ug/L	99
31) Carbon tetrachloride	4.87	117	359796	27.555	ug/L	99
33) Benzene	5.14	78	1119552	27.574	ug/L	100
34) Trichloroethene	5.96	95	298064	27.100	ug/L	99
35) Methylcyclohexane	6.17	83	475570	27.548	ug/L	99
37) 1,2-Dichloropropane	6.22	63	286686	27.519	ug/L	99
38) Bromodichloromethane	6.55	83	364866	26.831	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	428140	27.294	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	491650	59.050	ug/L	100
42) Toluene	7.43	91	1210233	28.027	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	357082	27.724	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	236210	26.729	ug/L	98
46) Tetrachloroethene	8.02	164	247160	27.159	ug/L	98
48) 2-Hexanone	8.18	43	377989	62.353	ug/L	99
49) Dibromochloromethane	8.29	129	274366	27.226	ug/L	99
50) 1,2-Dibromoethane	8.39	107	236625	27.141	ug/L	97
51) Chlorobenzene	8.92	112	787925	26.901	ug/L	100
52) Ethylbenzene	9.05	91	1322711	27.884	ug/L	99
53) m,p-Xylene	9.18	106	508840	28.061	ug/L	100
54) o-Xylene	9.59	106	485454	27.983	ug/L	97
55) Styrene	9.60	104	867006	28.546	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.28	83	306596	28.453	ug/L	100
59) Bromoform	9.77	173	179578	26.721	ug/L	99
60) Isopropylbenzene	9.97	105	1288175	27.242	ug/L	100
61) 1,2,3-Trichloropropane	10.32	75	245078	27.441	ug/L	100
62) 1,3,5-Trimethylbenzene	10.58	105	1059122	27.799	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	1075607	28.113	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	649989	26.189	ug/L	100
65) 1,4-Dichlorobenzene	11.32	146	668969	25.666	ug/L	99
67) 1,2-Dichlorobenzene	11.69	146	623030	26.291	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	54253	28.007	ug/L	96
69) 1,3,5-Trichlorobenzene	12.69	180	516181	25.831	ug/L	100
70) 1,2,4-trichlorobenzene	13.31	180	443739	25.681	ug/L	100
71) Naphthalene	13.55	128	929378	27.612	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	427807	25.669	ug/L	100

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

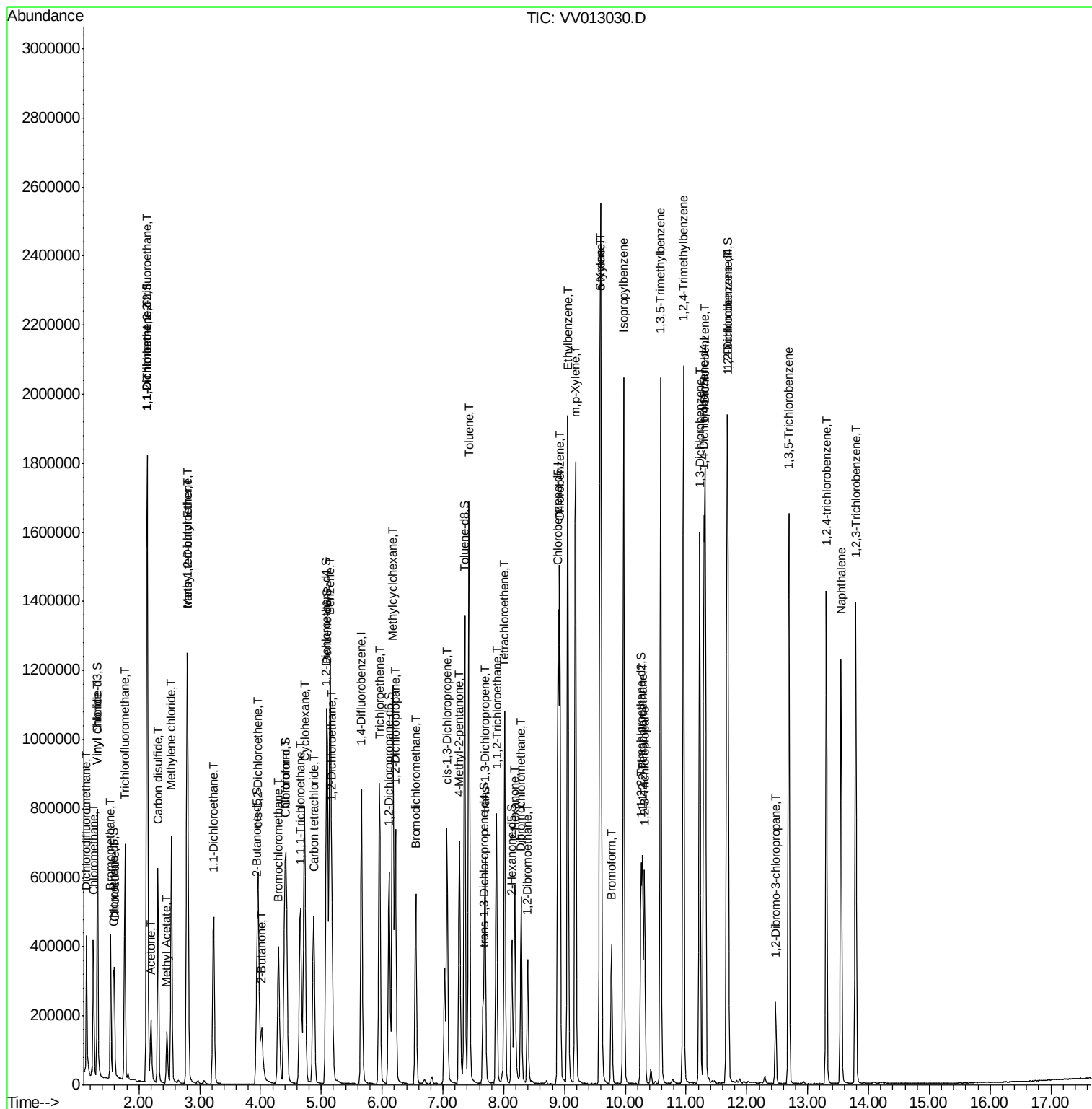
Quant Time: Oct 03 04:00:39 2019

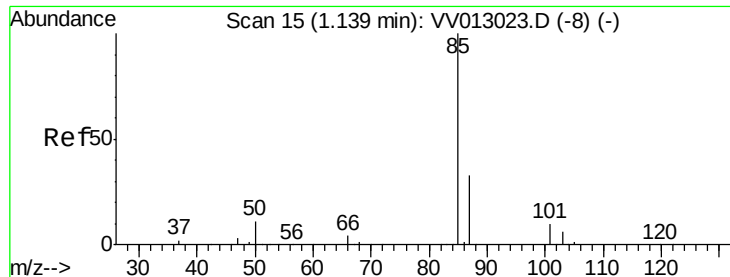
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM093019SMA.M

Quant Title : VOC Analysis

QLast Update : Thu Oct 03 03:55:32 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 30.639 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

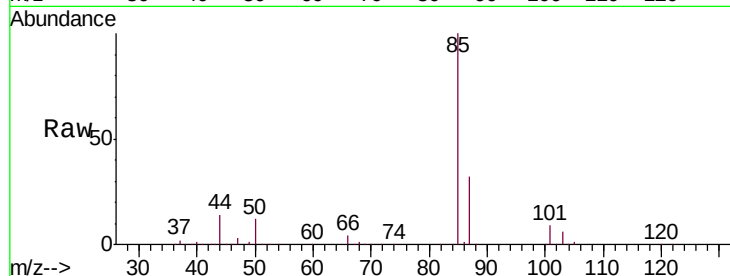
VSTD02579

Tgt Ion: 85 Resp: 238764

Ion Ratio Lower Upper

85 100

87 32.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV013030.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV013030.D (-8) (-)

1.14

250000

200000

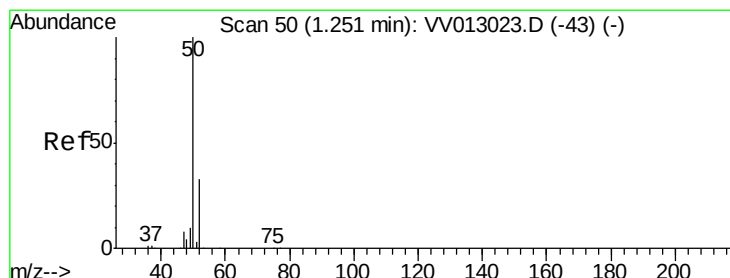
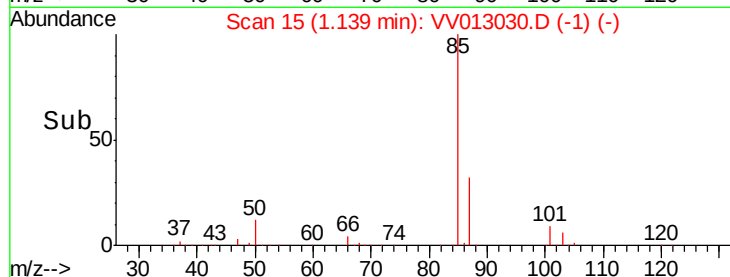
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 28.781 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013030.D

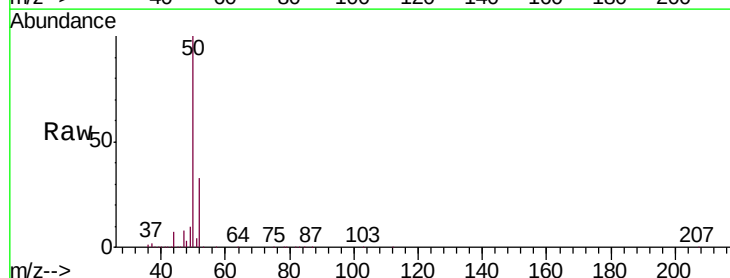
Acq: 02 Oct 2019 16:26

Tgt Ion: 50 Resp: 285565

Ion Ratio Lower Upper

50 100

52 32.6 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV013030.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV013030.D (-43) (-)

1.25

250000

200000

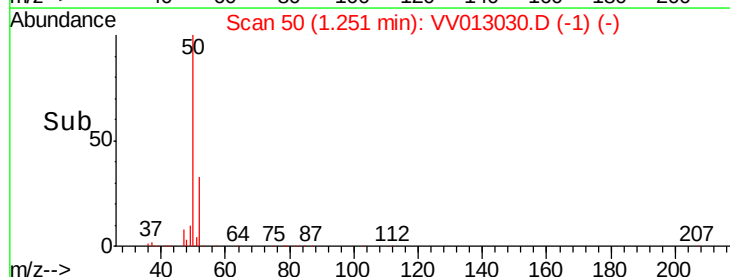
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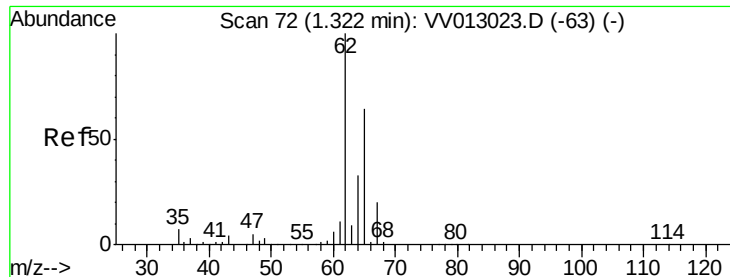
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 28.469 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

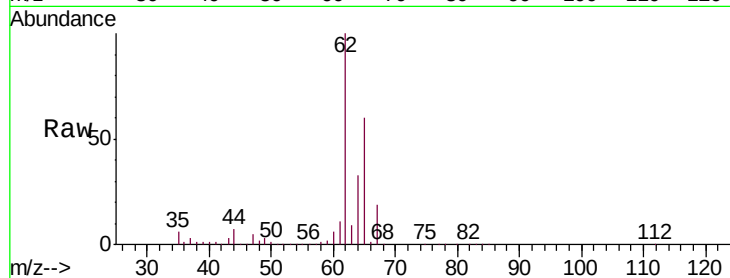
VSTD02579

Tgt Ion: 62 Resp: 291025

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

300000

250000

200000

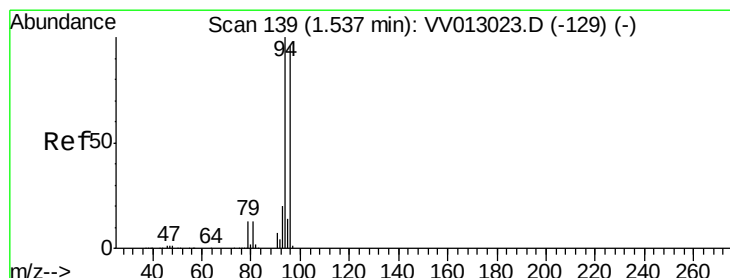
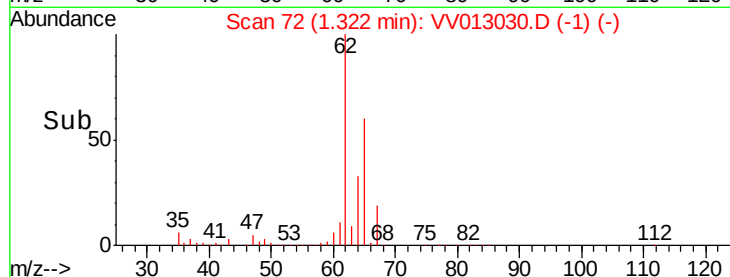
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 25.285 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013030.D

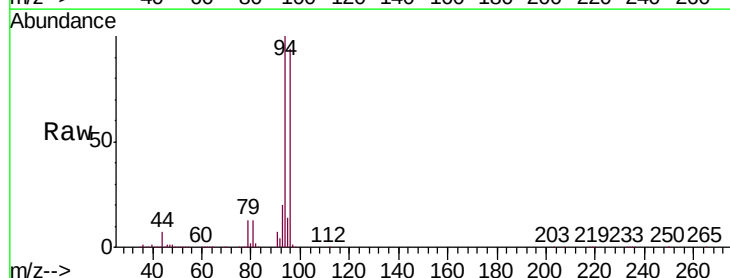
Acq: 02 Oct 2019 16:26

Tgt Ion: 94 Resp: 166044

Ion Ratio Lower Upper

94 100

96 93.9 67.4 125.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

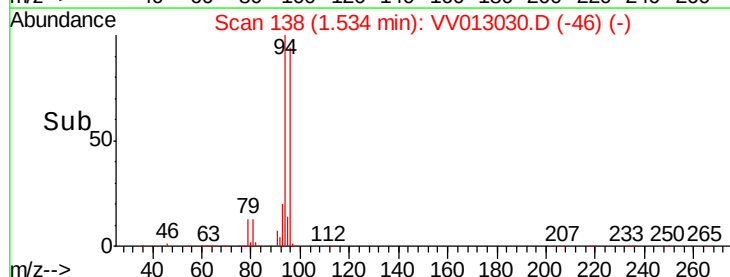
150000

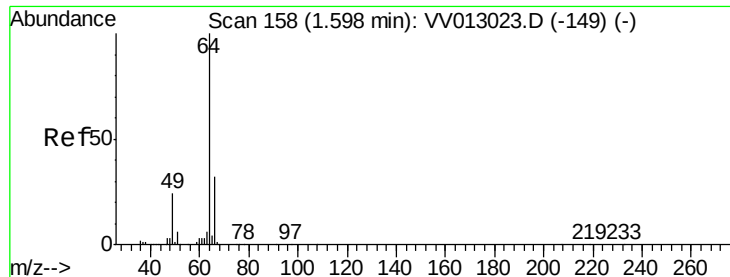
100000

50000

0

Time--> 1.50 1.55 1.60

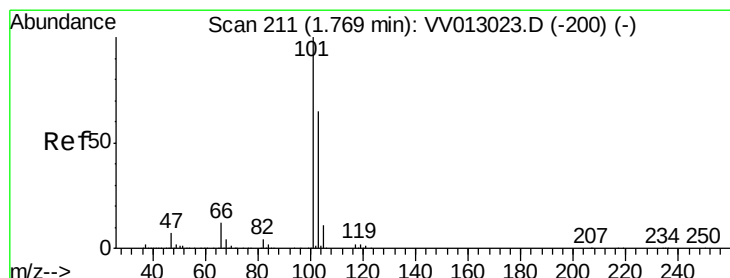
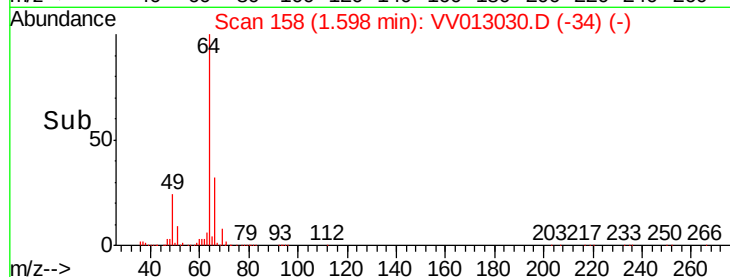
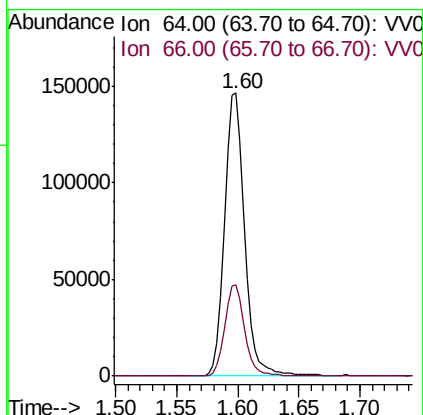
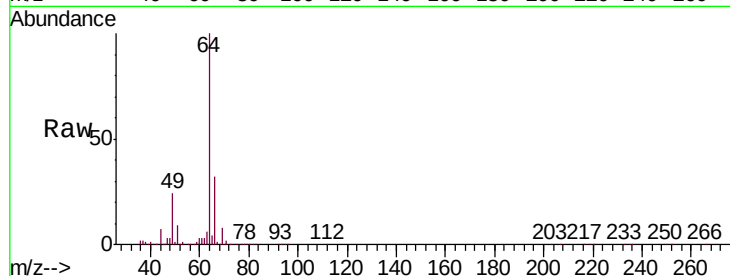




#8
Chloroethane
Concen: 26.250 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV013030.D
Acq: 02 Oct 2019 16:26

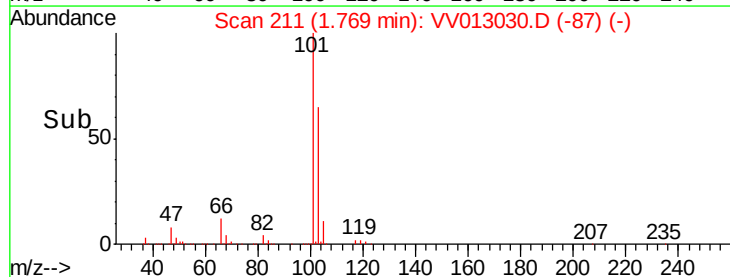
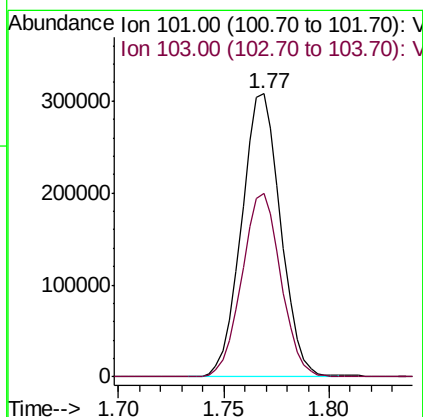
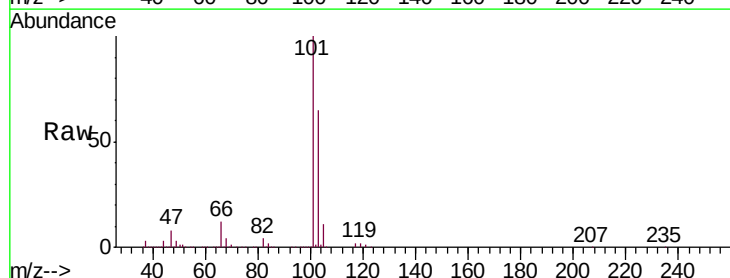
Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

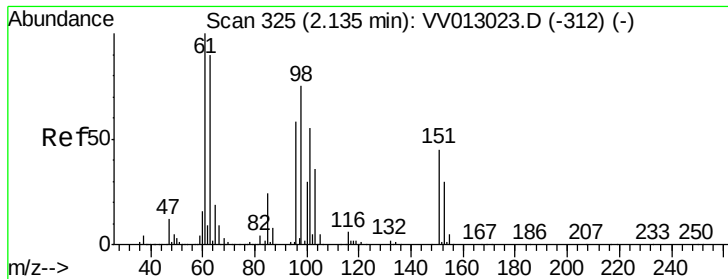
Tgt Ion: 64 Resp: 169604
Ion Ratio Lower Upper
64 100
66 32.4 22.8 42.4



#9
Trichlorofluoromethane
Concen: 28.578 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV013030.D
Acq: 02 Oct 2019 16:26

Tgt Ion: 101 Resp: 395711
Ion Ratio Lower Upper
101 100
103 64.8 52.2 78.2





#10

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

Concen: 27.679 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

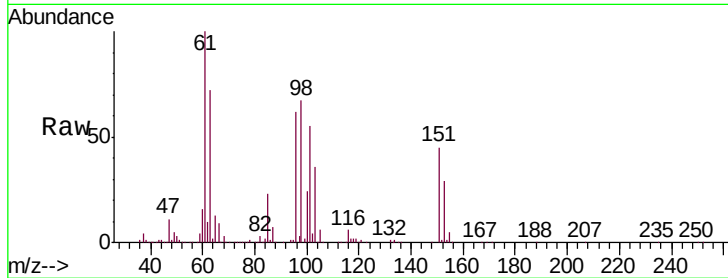
Tgt Ion: 101 Resp: 245660

Ion Ratio Lower Upper

101 100

85 41.4 33.6 50.4

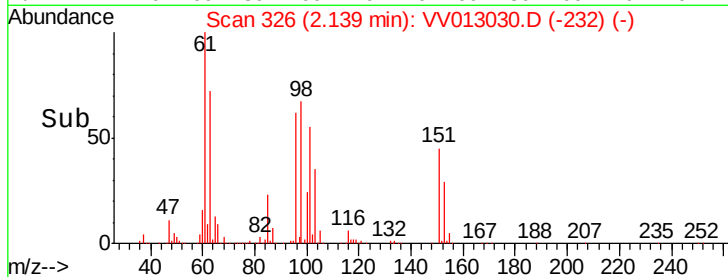
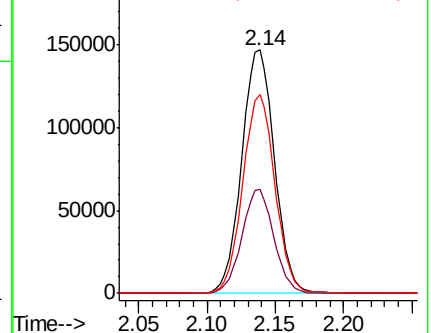
151 80.4 66.9 100.3



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: 27.776 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

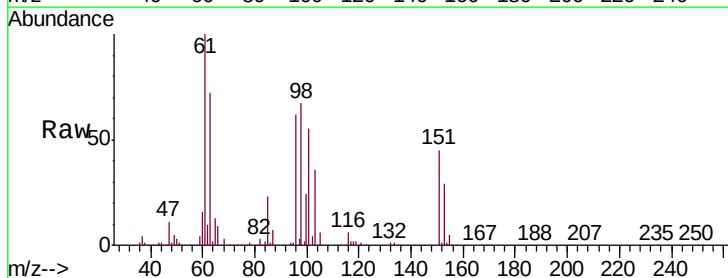
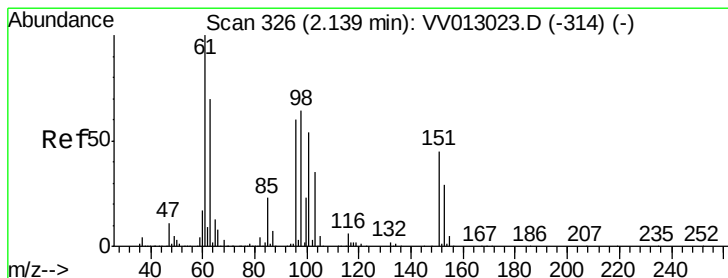
Tgt Ion: 96 Resp: 231538

Ion Ratio Lower Upper

96 100

61 161.9 117.7 218.7

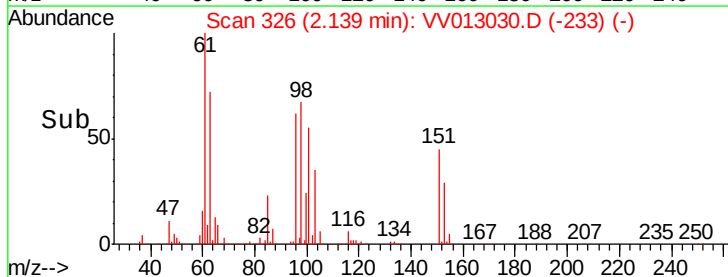
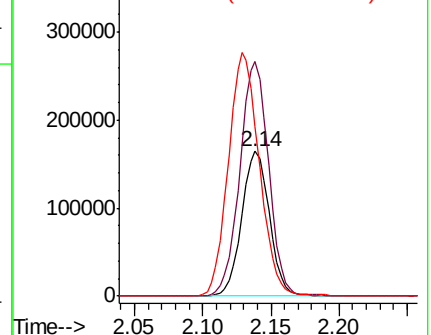
63 117.2 90.4 168.0

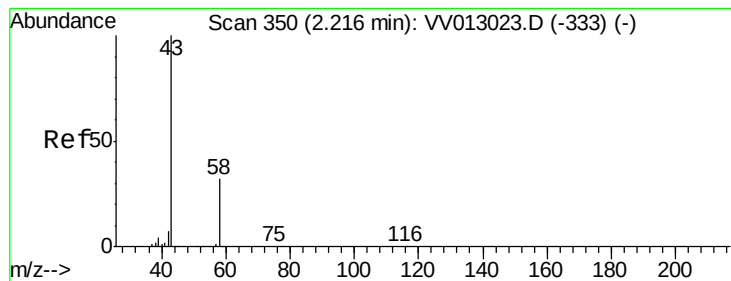


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 54.478 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.02 min

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Acq: 02 Oct 2019 16:26

Instrument :

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ClientSampleId :

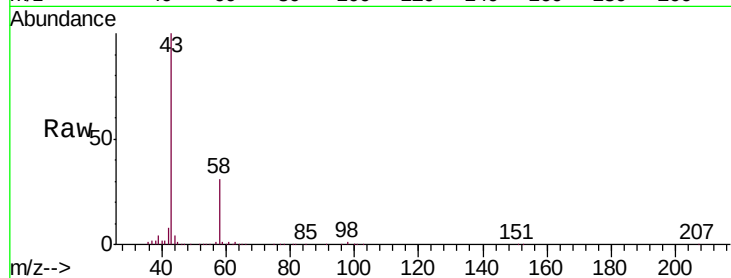
VSTD02579

Tgt Ion: 43 Resp: 210963

Ion Ratio Lower Upper

43 100

58 32.0 0.0 65.2



Abundance Ion 43.00 (42.70 to 43.70): VV013023.D (-333) (-)

Ion 58.00 (57.70 to 58.70): VV013023.D (-333) (-)

2.20

120000

100000

80000

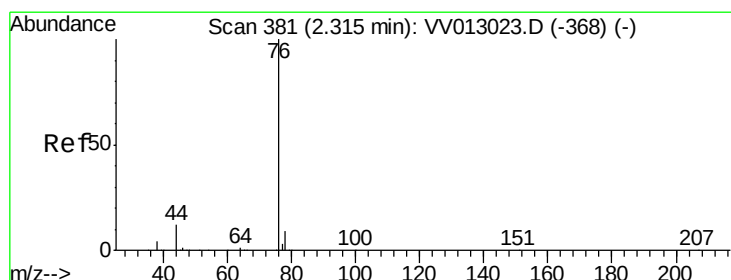
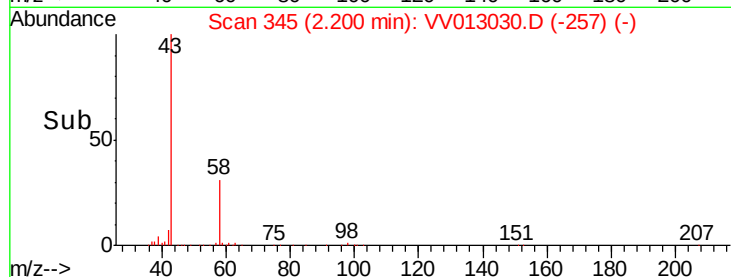
60000

40000

20000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 27.103 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV013030.D

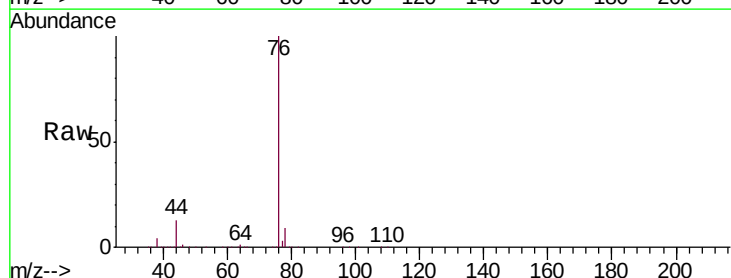
Acq: 02 Oct 2019 16:26

Tgt Ion: 76 Resp: 693392

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV013023.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV013023.D (-368) (-)

2.32

500000

400000

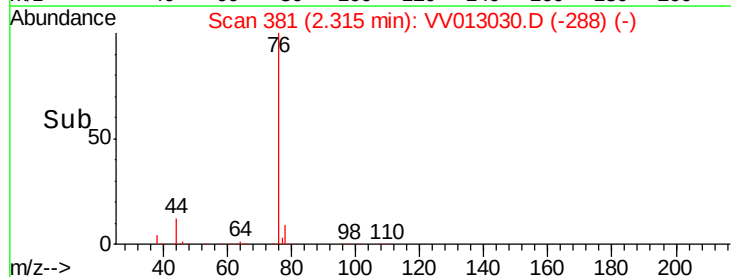
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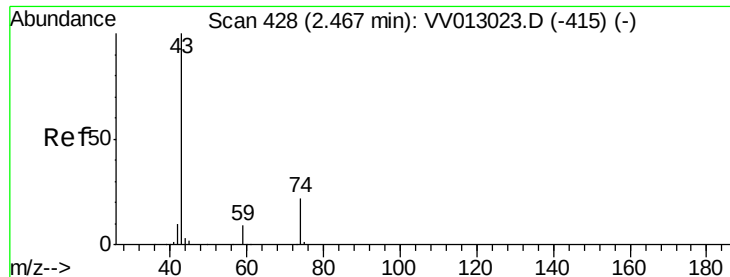
200000

100000

0

Time--> 2.25 2.30 2.35 2.40





#15

Methyl Acetate

Concen: 28.319 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.01 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

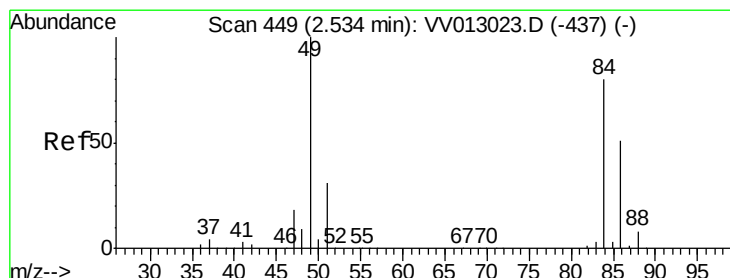
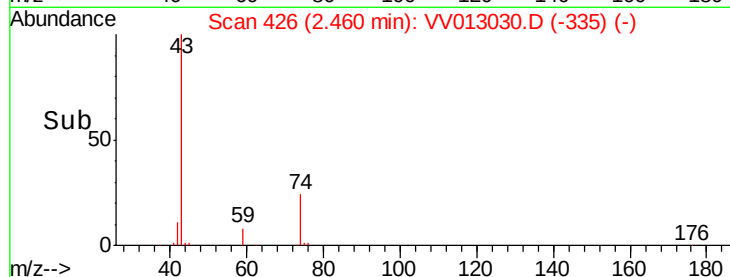
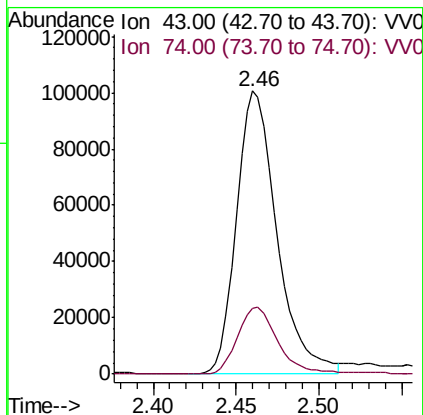
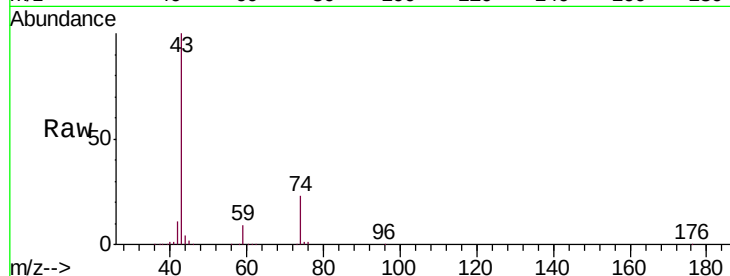
VSTD02579

Tgt Ion: 43 Resp: 169228

Ion Ratio Lower Upper

43 100

74 23.9 18.5 27.7



#16

Methylene chloride

Concen: 24.001 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

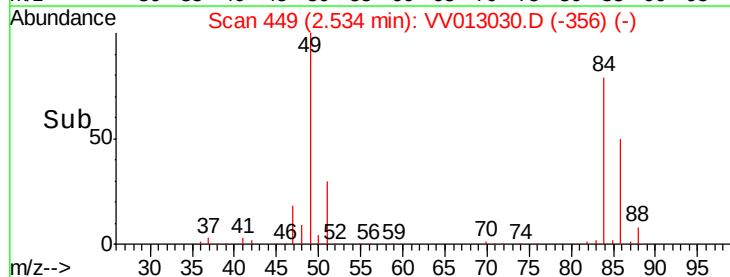
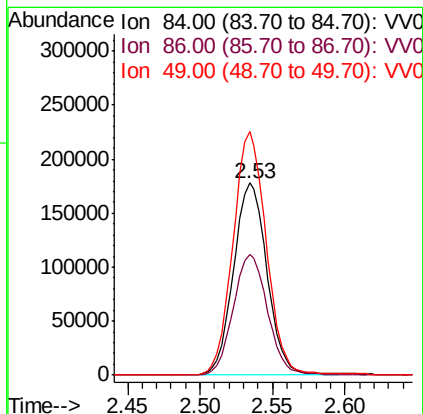
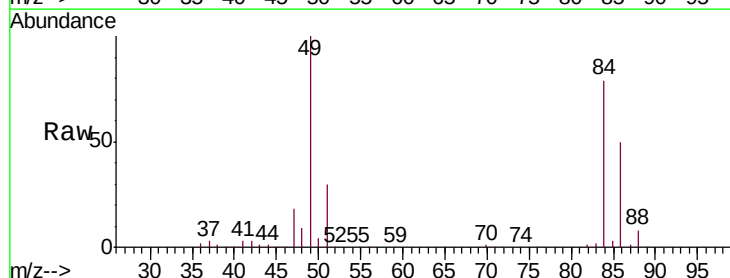
Tgt Ion: 84 Resp: 285919

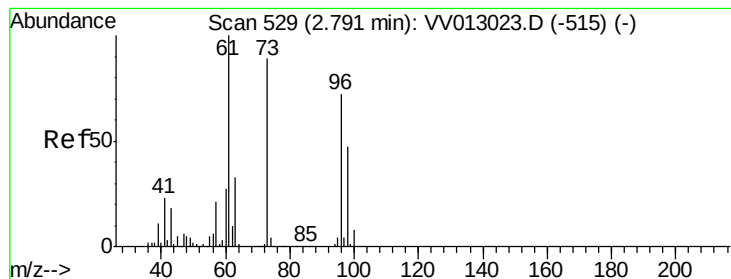
Ion Ratio Lower Upper

84 100

86 63.2 44.5 82.7

49 126.9 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 26.889 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

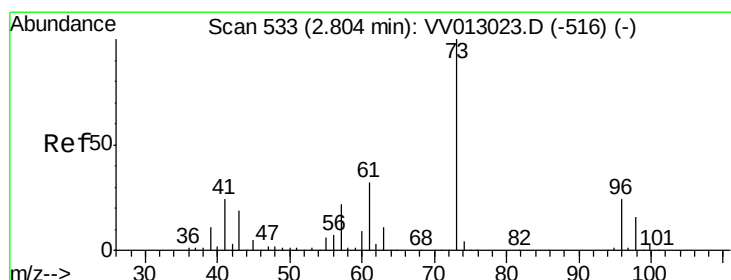
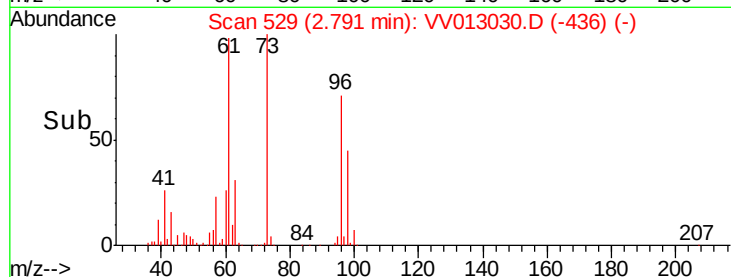
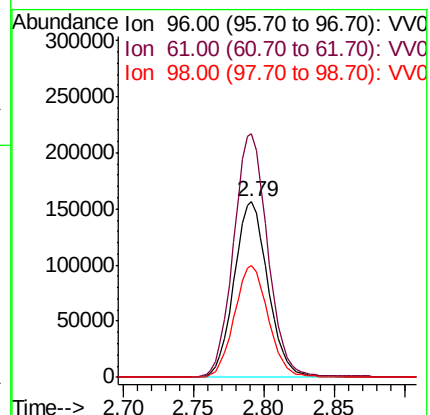
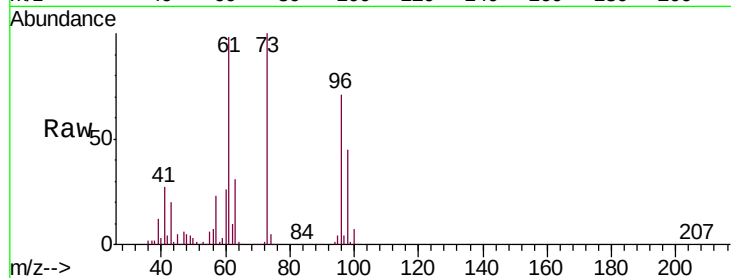
Tgt Ion: 96 Resp: 264231

Ion Ratio Lower Upper

96 100

61 138.7 95.8 177.8

98 63.8 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 26.606 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

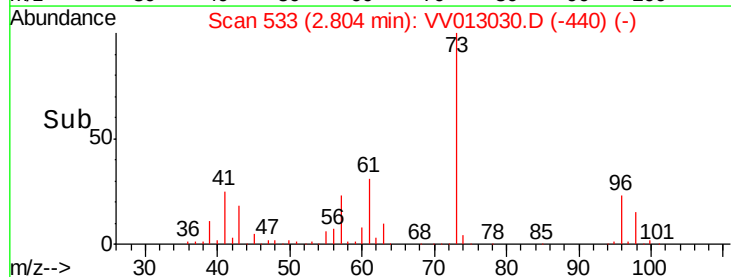
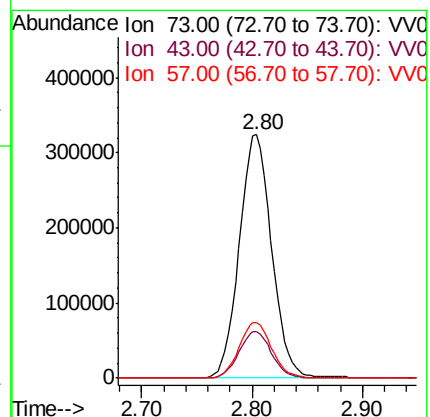
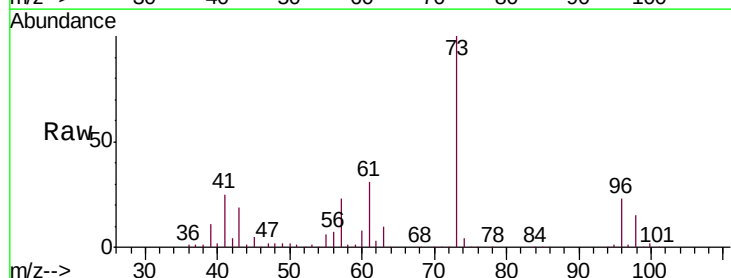
Tgt Ion: 73 Resp: 657671

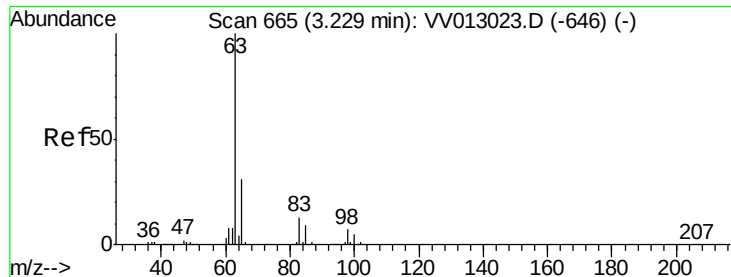
Ion Ratio Lower Upper

73 100

43 19.4 15.1 22.7

57 23.0 18.1 27.1

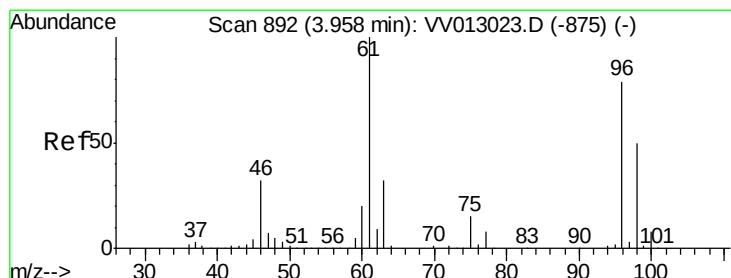
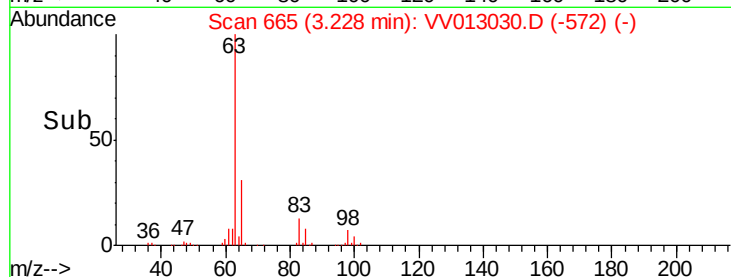
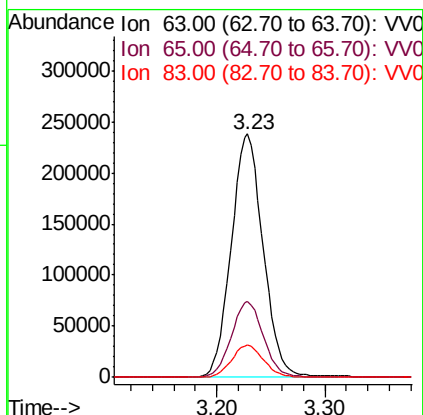
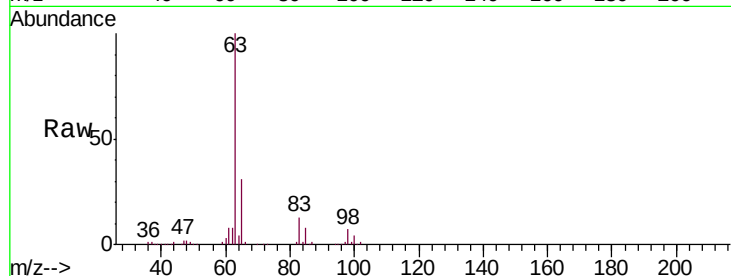




#19
 1,1-Dichloroethane
 Concen: 27.253 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV013030.D
 Acq: 02 Oct 2019 16:26

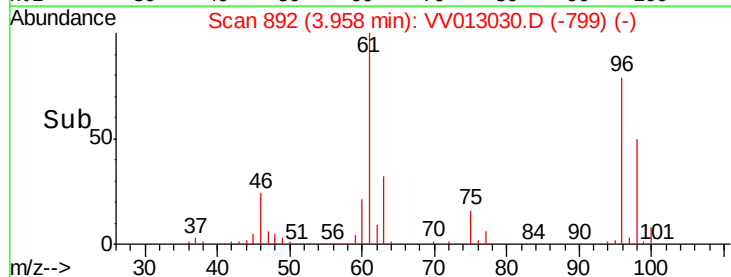
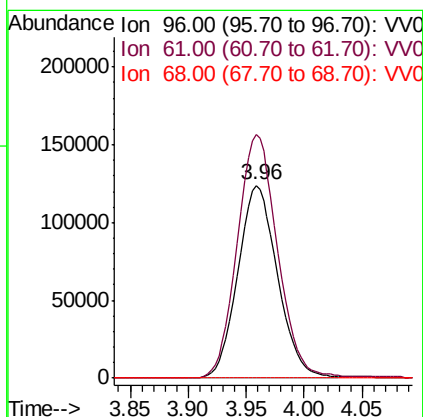
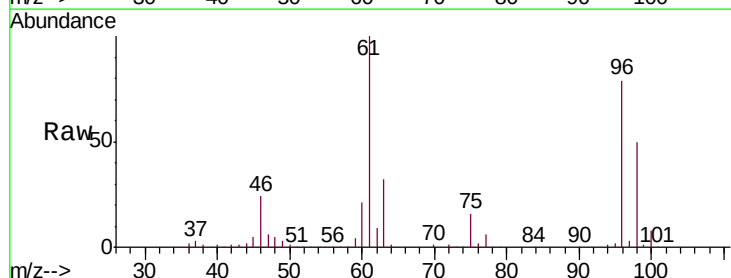
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02579

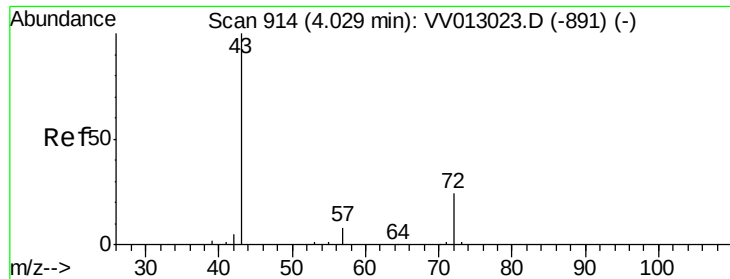
Tgt Ion: 63 Resp: 491494
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.4 41.6
 83 13.1 9.0 16.6



#20
 cis-1,2-Dichloroethene
 Concen: 26.933 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV013030.D
 Acq: 02 Oct 2019 16:26

Tgt Ion: 96 Resp: 294360
 Ion Ratio Lower Upper
 96 100
 61 126.5 89.5 166.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 58.357 ug/L

RT: 4.02 min Scan# 911

Delta R.T. -0.01 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

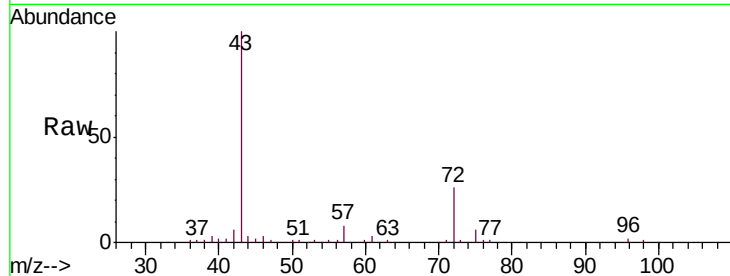
VSTD02579

Tgt Ion: 43 Resp: 247703

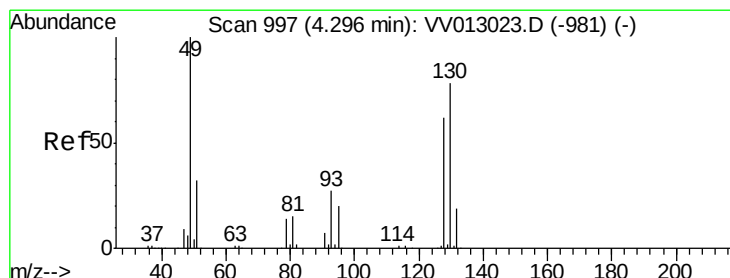
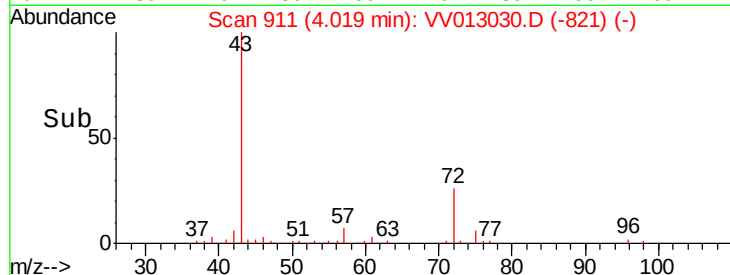
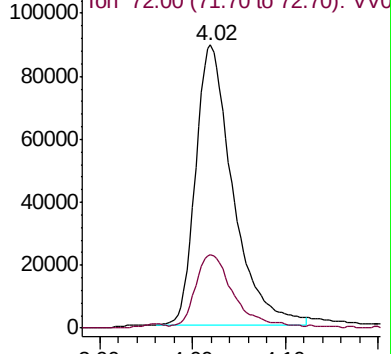
Ion Ratio Lower Upper

43 100

72 24.8 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VV013030.D (-904) (-)



#23

Bromochloromethane

Concen: 25.890 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

Tgt Ion: 128 Resp: 138722

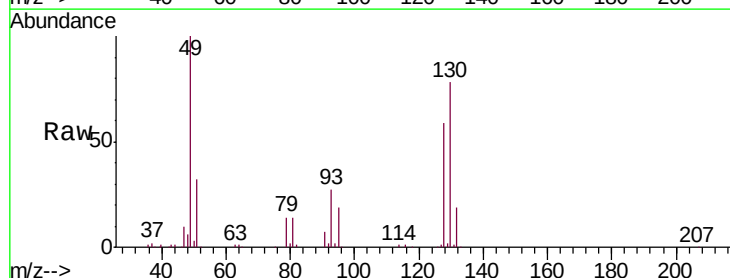
Ion Ratio Lower Upper

128 100

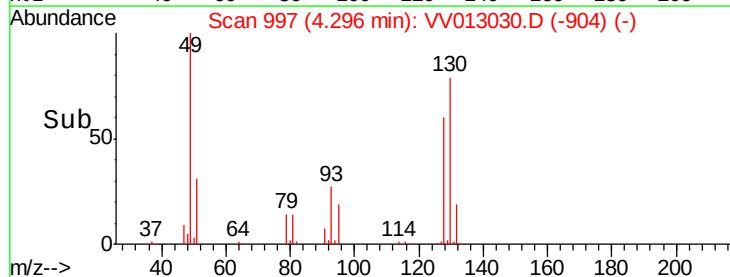
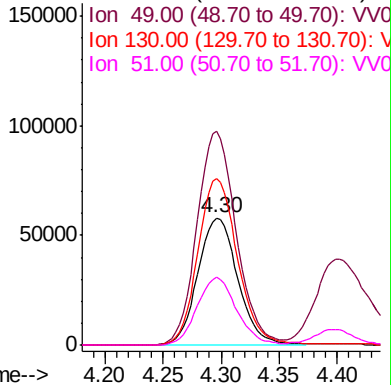
49 168.5 113.6 211.0

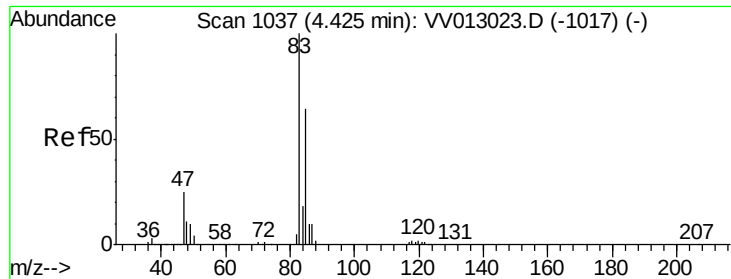
130 131.7 88.0 163.4

51 53.1 40.2 60.2



Abundance Ion 128.00 (127.70 to 128.70): VV013030.D (-904) (-)

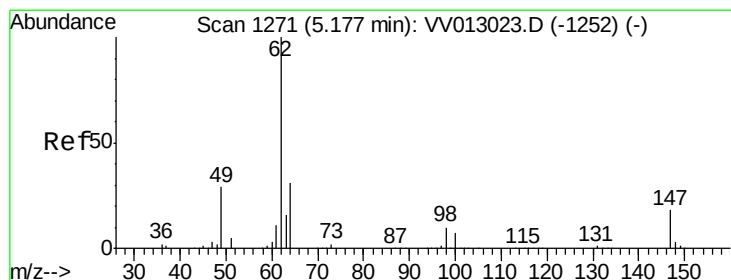
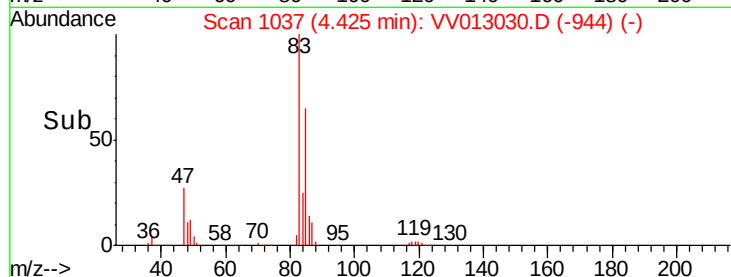
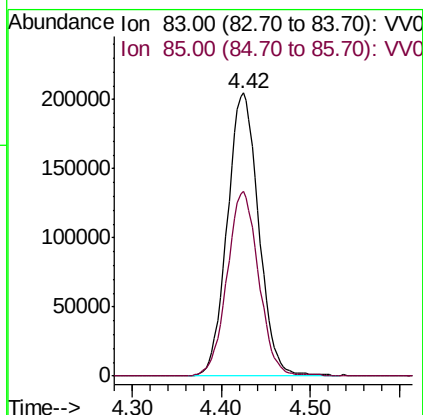
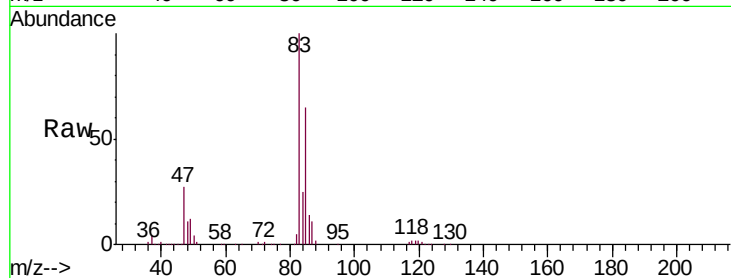




#25
Chloroform
Concen: 26.637 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV013030.D
Acq: 02 Oct 2019 16:26

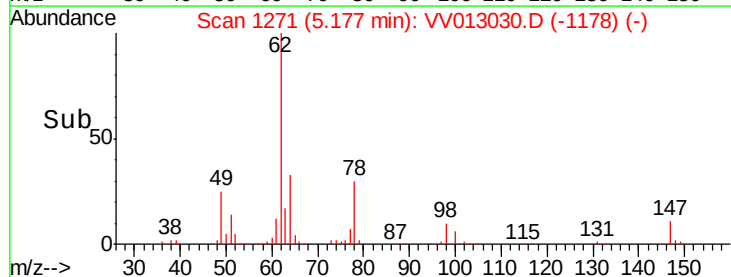
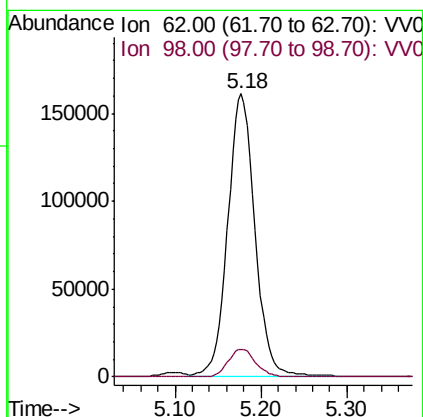
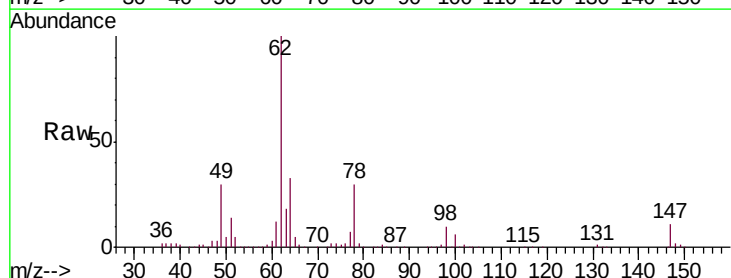
Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

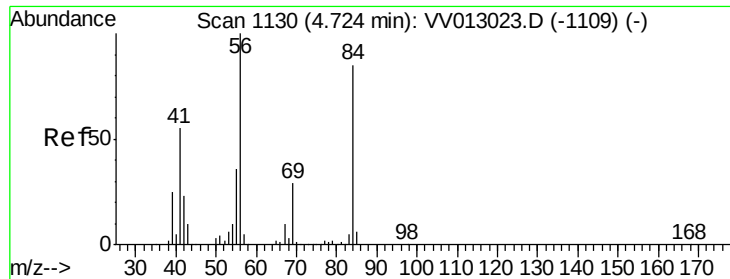
Tgt Ion: 83 Resp: 500837
Ion Ratio Lower Upper
83 100
85 65.4 44.7 82.9



#27
1,2-Dichloroethane
Concen: 27.339 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV013030.D
Acq: 02 Oct 2019 16:26

Tgt Ion: 62 Resp: 353368
Ion Ratio Lower Upper
62 100
98 9.8 8.5 12.7

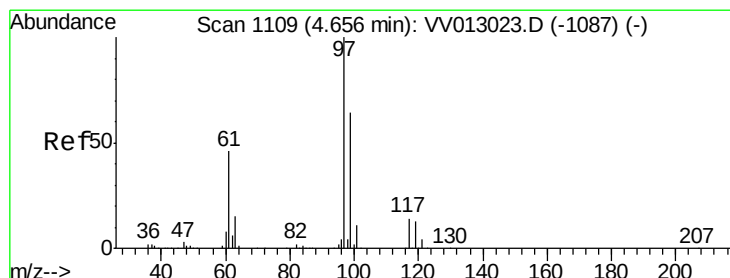
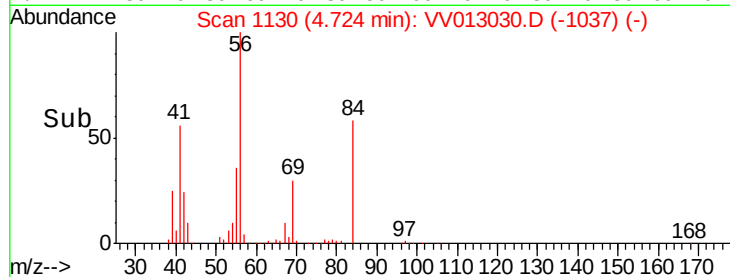
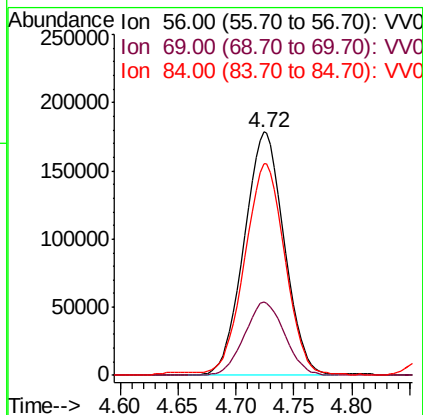
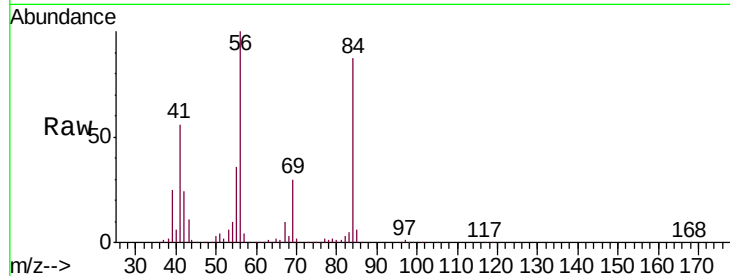




#29
Cyclohexane
Concen: 27.557 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV013030.D
Acq: 02 Oct 2019 16:26

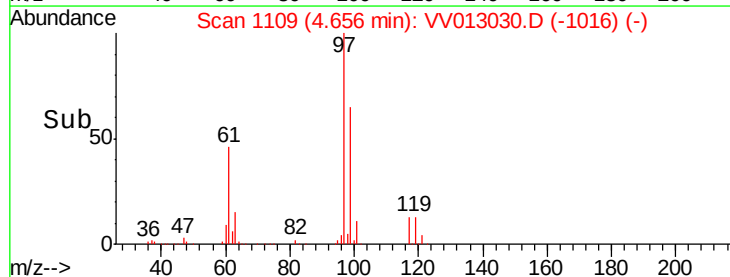
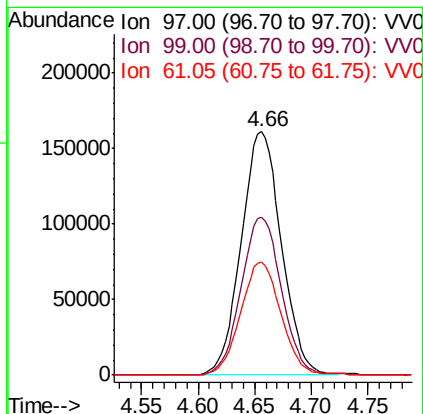
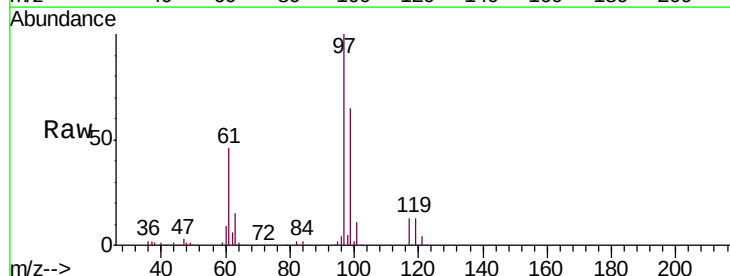
Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

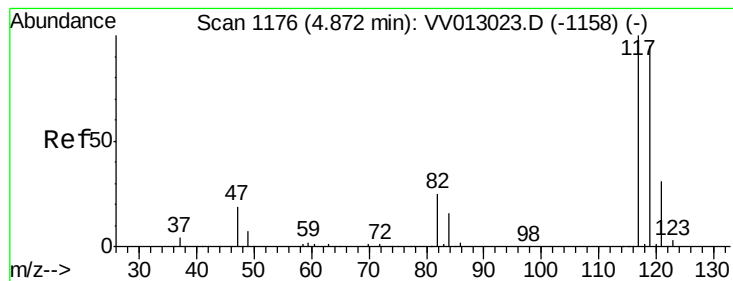
Tgt Ion: 56 Resp: 430806
Ion Ratio Lower Upper
56 100
69 30.3 24.2 36.4
84 87.6 69.6 104.4



#30
1,1,1-Trichloroethane
Concen: 27.512 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV013030.D
Acq: 02 Oct 2019 16:26

Tgt Ion: 97 Resp: 399065
Ion Ratio Lower Upper
97 100
99 65.4 51.7 77.5
61 46.4 36.1 54.1





#31

Carbon tetrachloride

Concen: 27.555 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

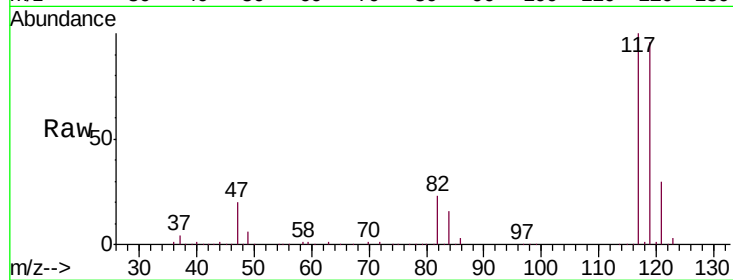
VSTD02579

Tgt Ion:117 Resp: 359796

Ion Ratio Lower Upper

117 100

119 96.5 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.87

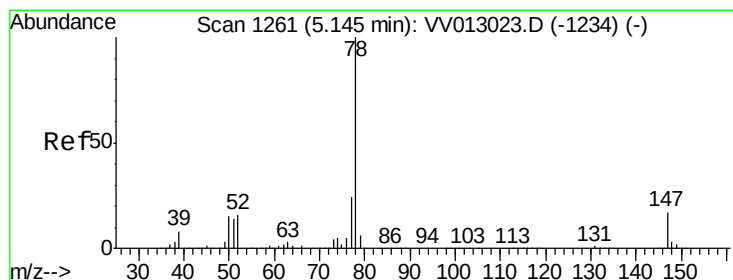
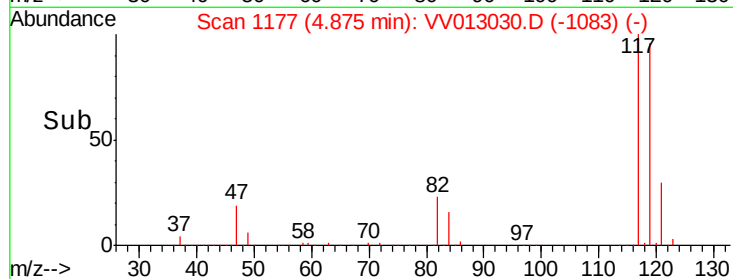
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 27.574 ug/L

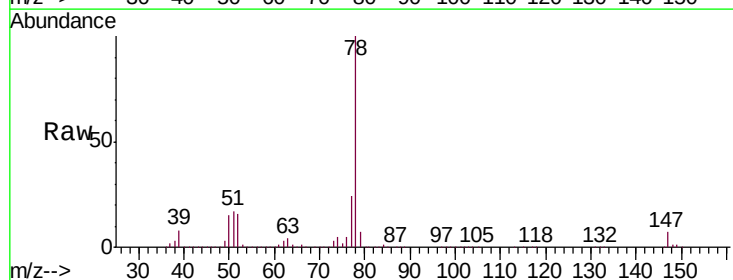
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

Tgt Ion: 78 Resp: 1119552



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.14

600000

500000

400000

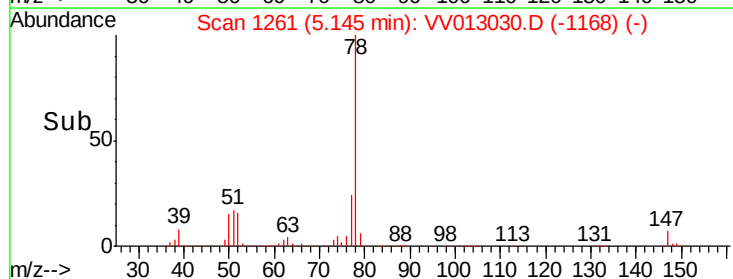
300000

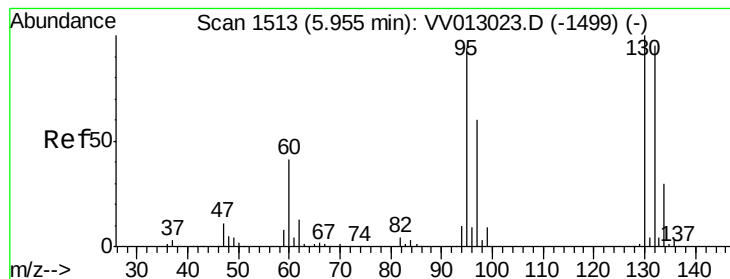
200000

100000

0

Time-->





#34

Trichloroethene

Concen: 27.100 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

Tgt Ion: 95 Resp: 298064

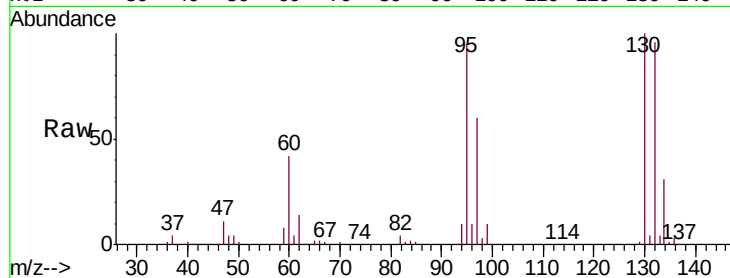
Ion Ratio Lower Upper

95 100

97 63.4 45.4 84.2

132 100.7 70.1 130.3

130 104.8 72.4 134.4

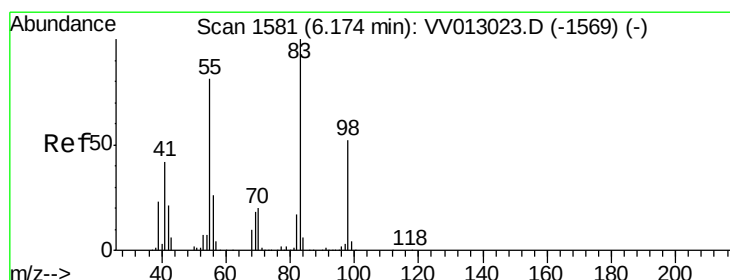
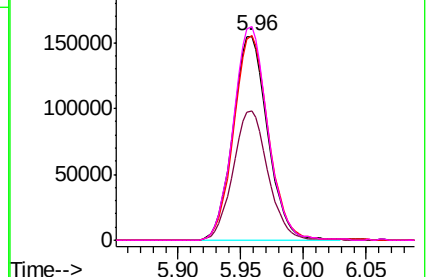
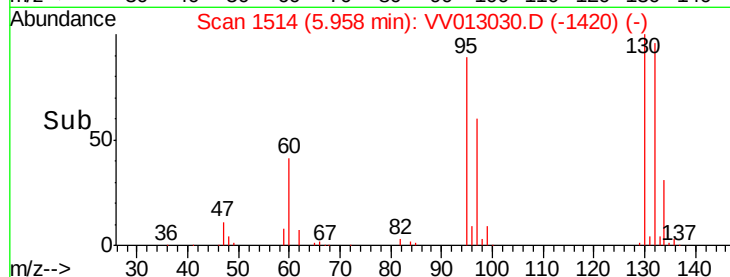


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#35

Methylcyclohexane

Concen: 27.548 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

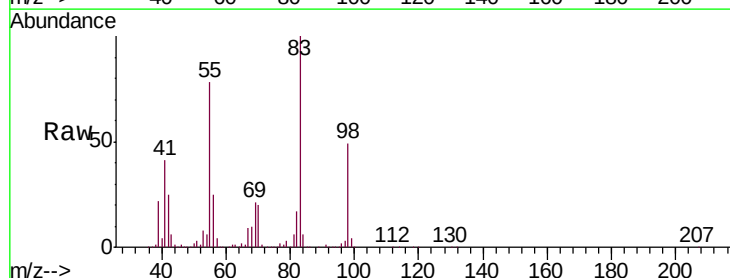
Tgt Ion: 83 Resp: 475570

Ion Ratio Lower Upper

83 100

55 76.8 61.9 92.9

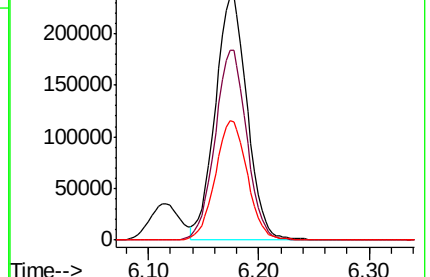
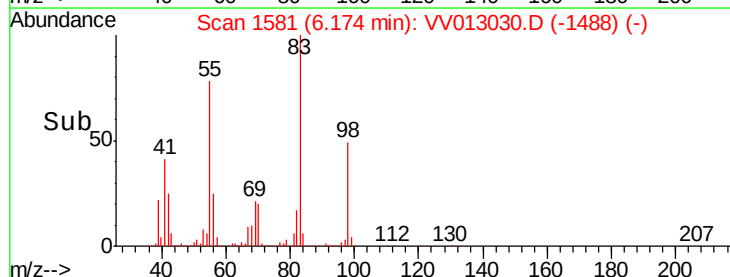
98 48.7 40.0 60.0

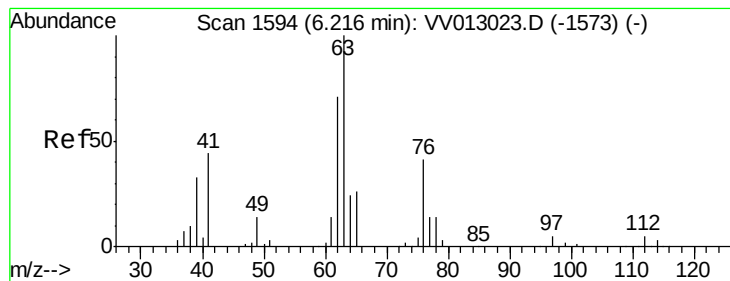


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 27.519 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

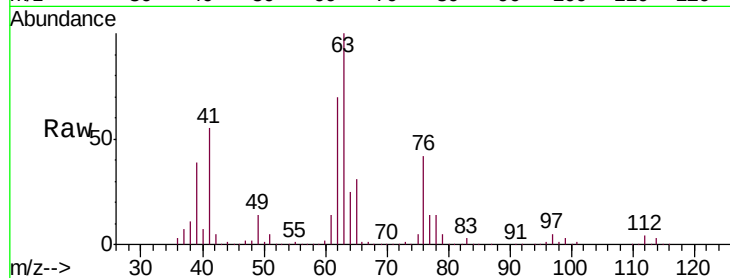
VSTD02579

Tgt Ion: 63 Resp: 286686

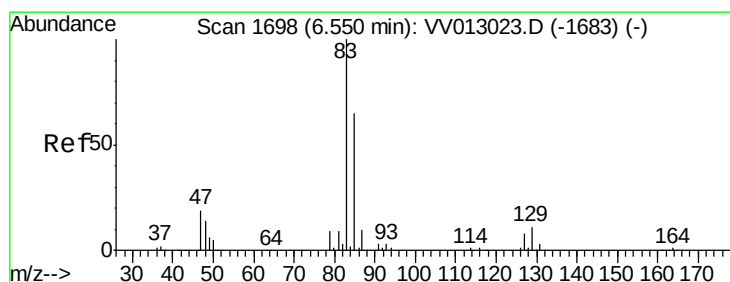
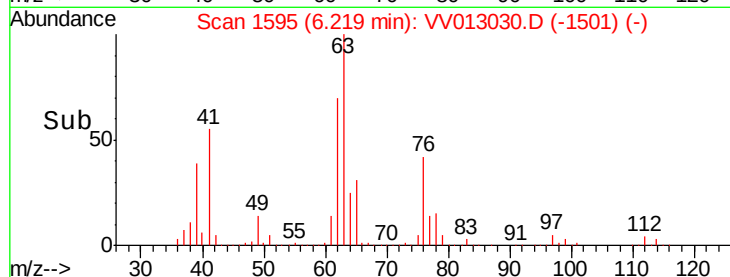
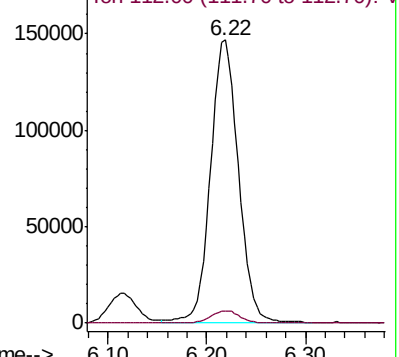
Ion Ratio Lower Upper

63 100

112 4.4 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VV013030.D (-1501) (-)



#38

Bromodichloromethane

Concen: 26.831 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

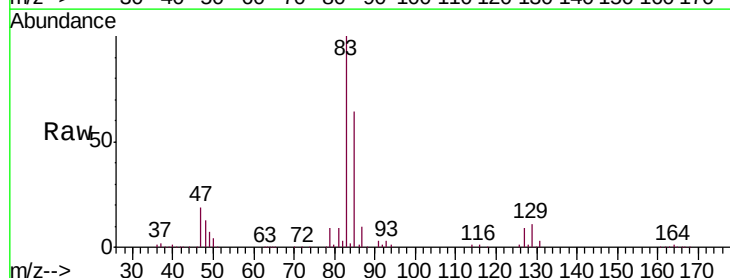
Tgt Ion: 83 Resp: 364866

Ion Ratio Lower Upper

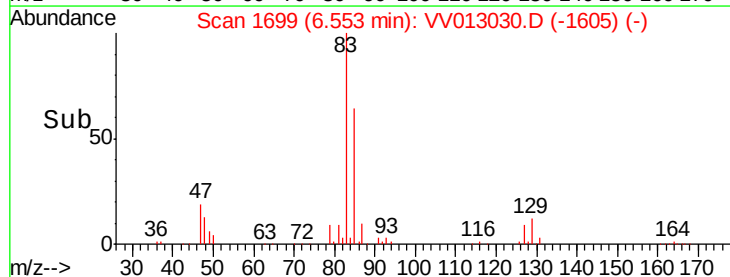
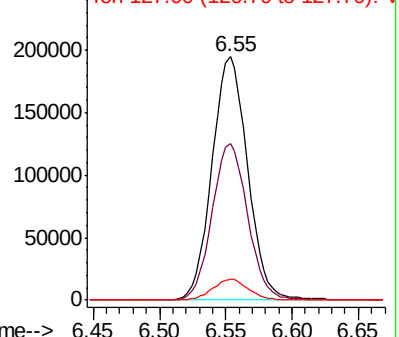
83 100

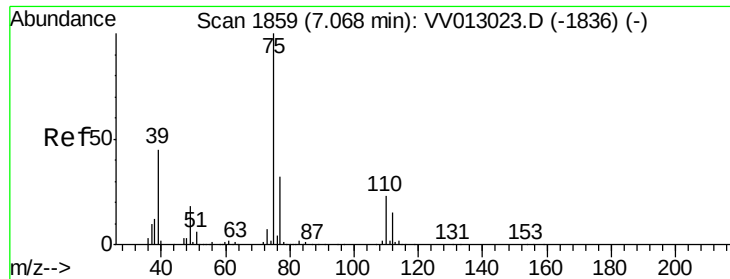
85 64.2 43.9 81.5

127 8.8 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VV013030.D (-1605) (-)

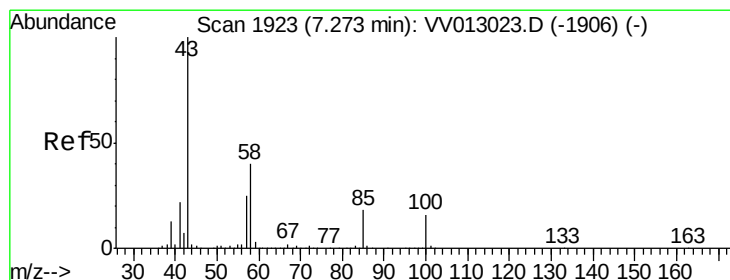
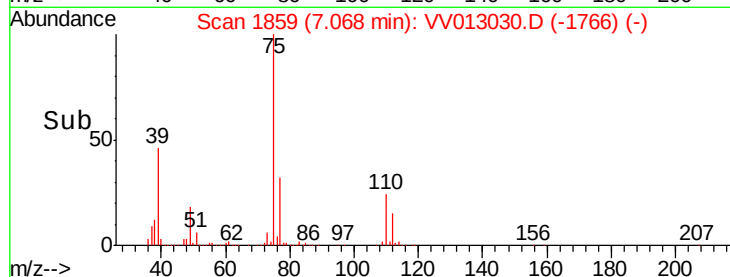
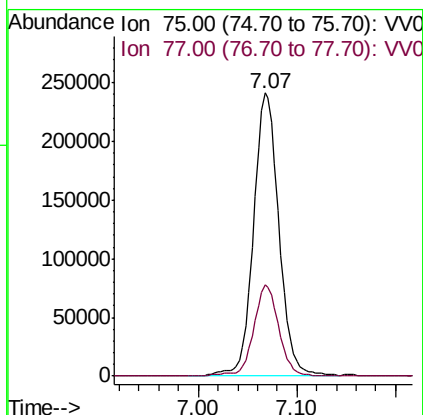
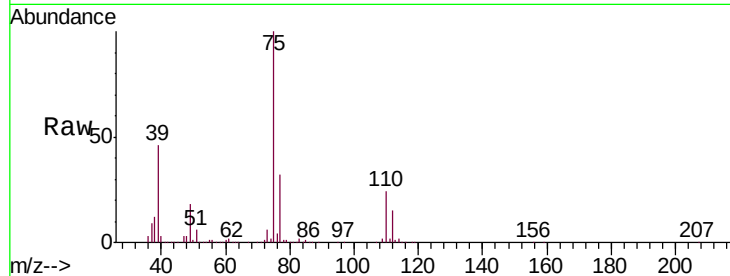




#39
 cis-1,3-Dichloropropene
 Concen: 27.294 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV013030.D
 Acq: 02 Oct 2019 16:26

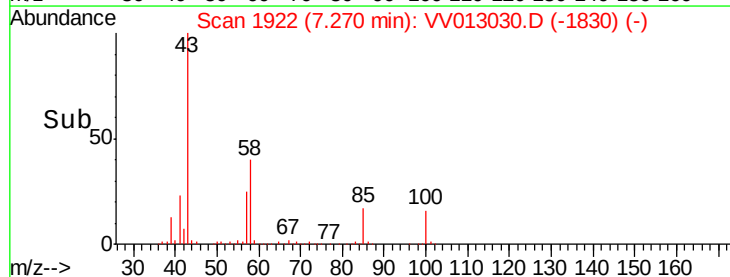
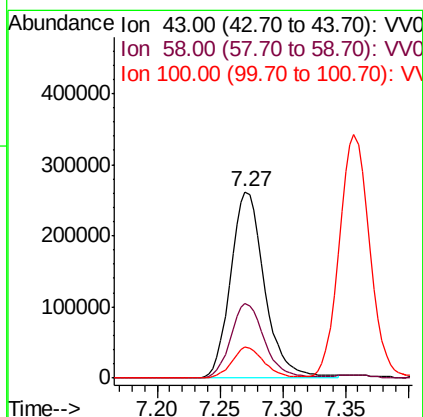
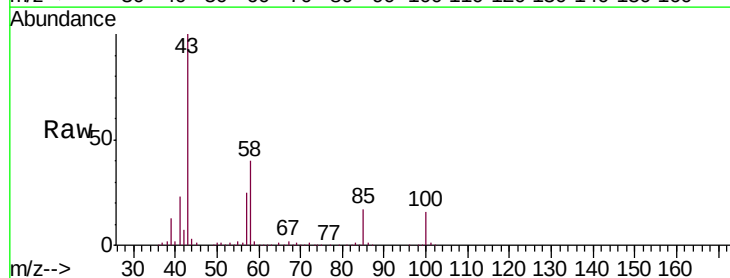
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02579

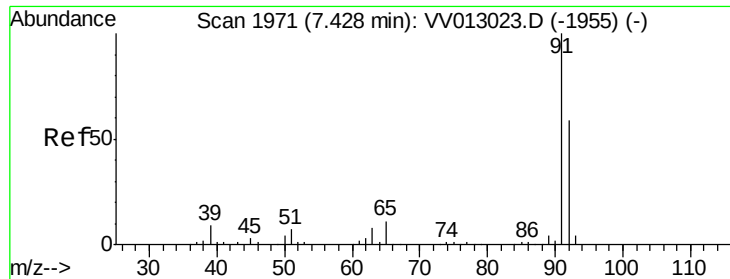
Tgt Ion: 75 Resp: 428140
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 59.050 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV013030.D
 Acq: 02 Oct 2019 16:26

Tgt Ion: 43 Resp: 491650
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.8 47.8
 100 15.8 12.8 19.2





#42

Toluene

Concen: 28.027 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

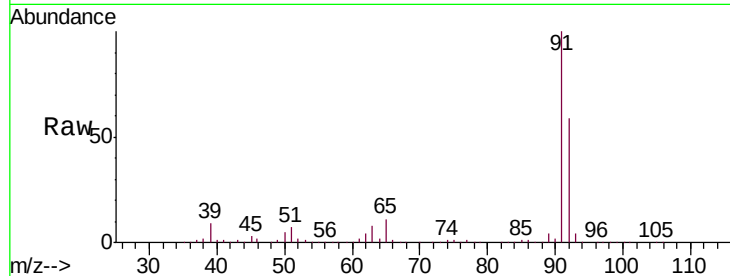
VSTD02579

Tgt Ion: 91 Resp: 1210233

Ion Ratio Lower Upper

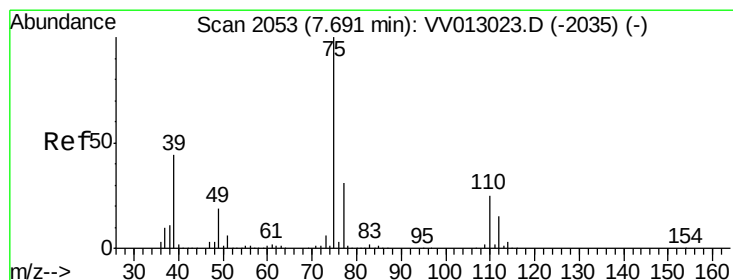
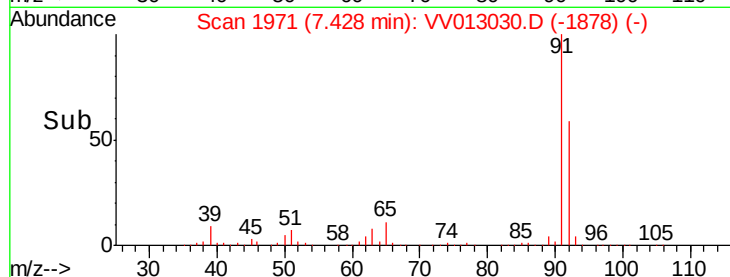
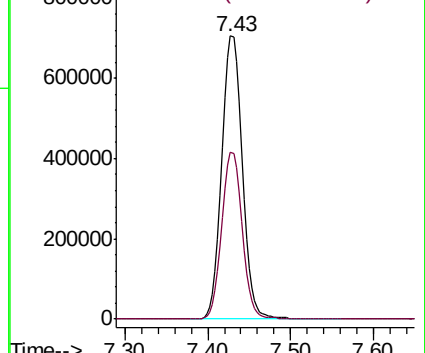
91 100

92 58.9 41.1 76.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 27.724 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013030.D

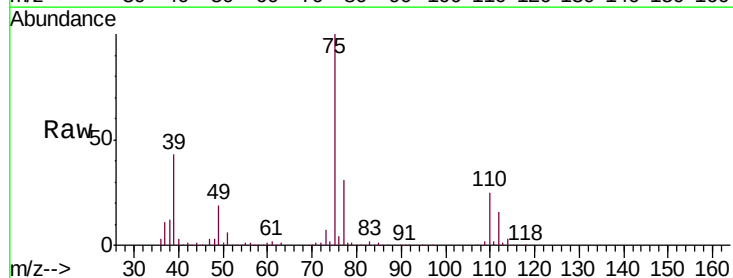
Acq: 02 Oct 2019 16:26

Tgt Ion: 75 Resp: 357082

Ion Ratio Lower Upper

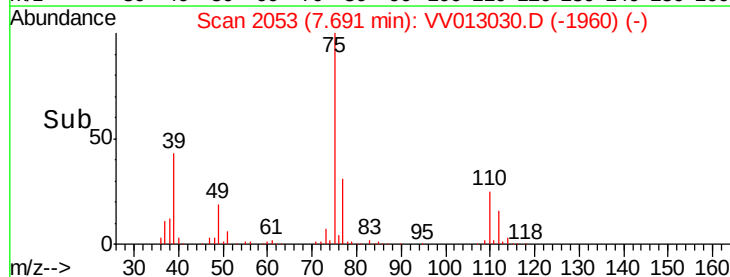
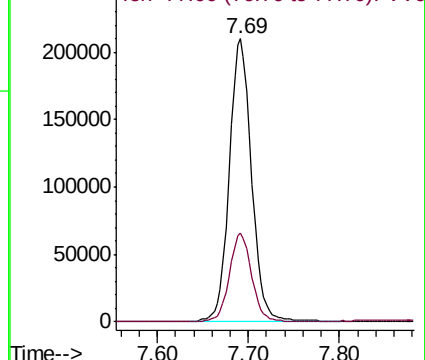
75 100

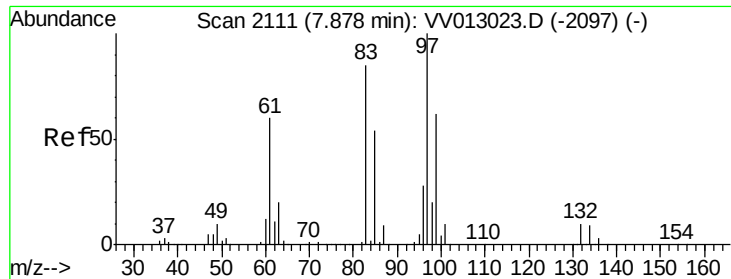
77 31.3 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

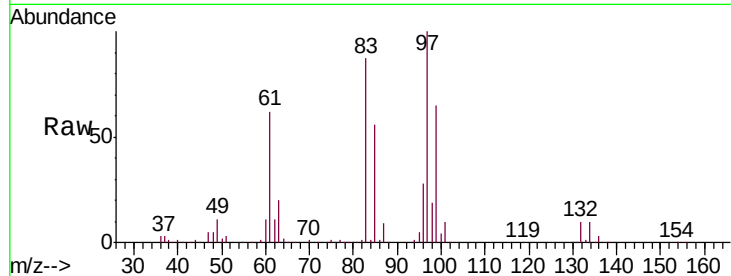




#45
 1,1,2-Trichloroethane
 Concen: 26.729 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013030.D
 Acq: 02 Oct 2019 16:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

Tgt Ion:	97	Resp:	236210
Ion	Ratio	Lower	Upper
97	100		
99	65.1	44.2	82.2
83	86.6	59.7	110.9
85	55.8	38.6	71.6



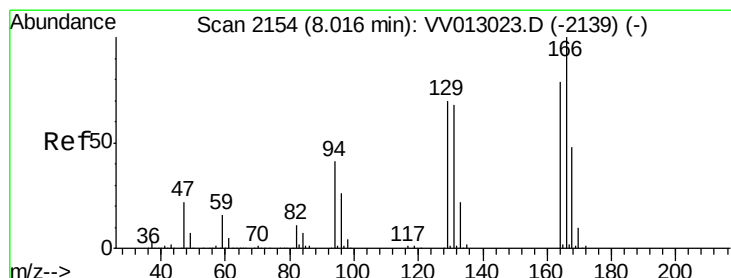
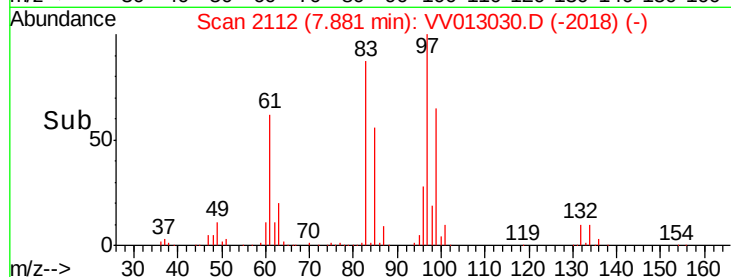
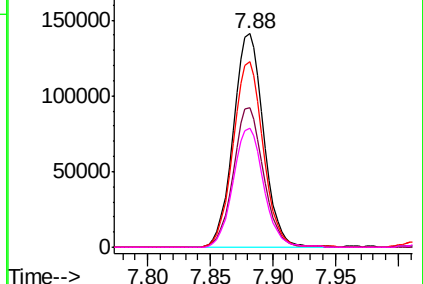
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

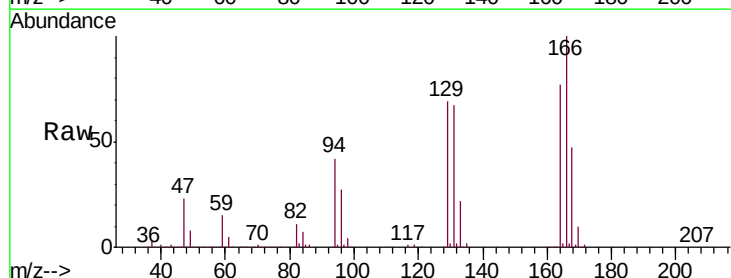
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 27.159 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV013030.D
 Acq: 02 Oct 2019 16:26

Tgt Ion:	164	Resp:	247160
Ion	Ratio	Lower	Upper
164	100		
129	89.8	61.2	113.6
131	86.4	59.9	111.3
166	129.3	89.1	165.5



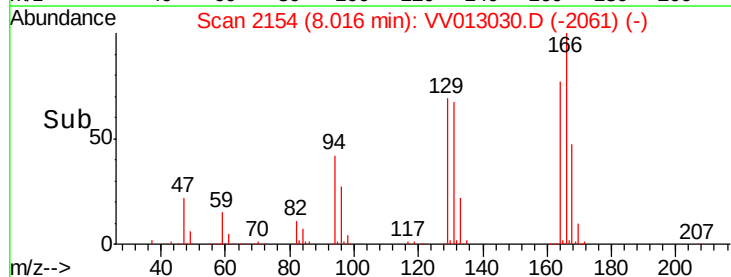
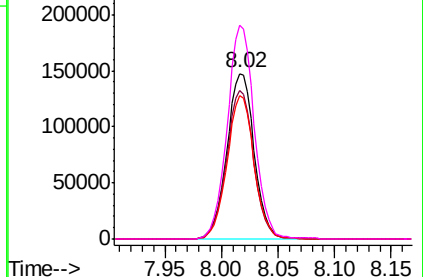
Abundance

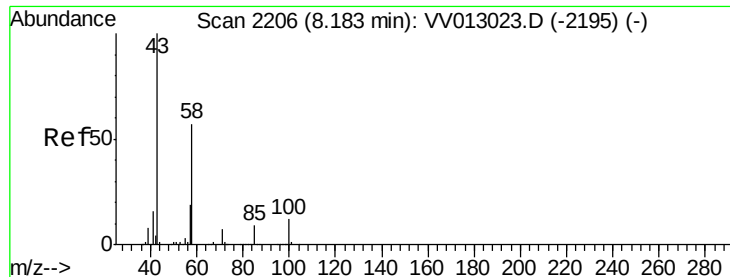
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

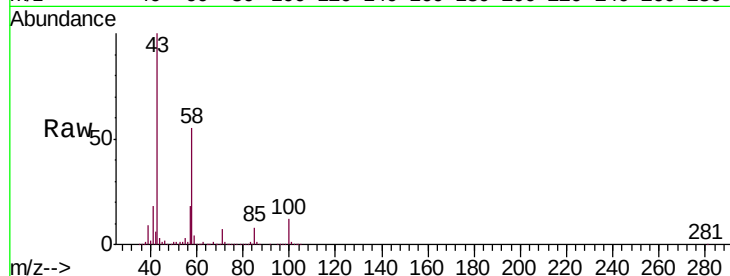




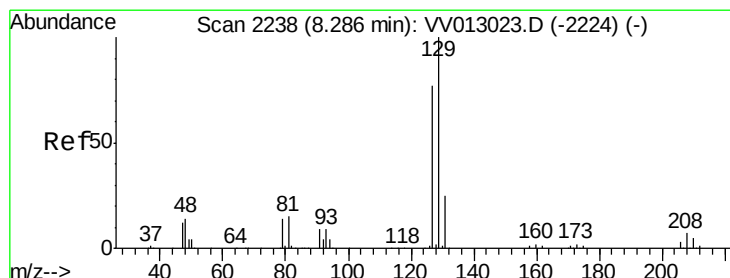
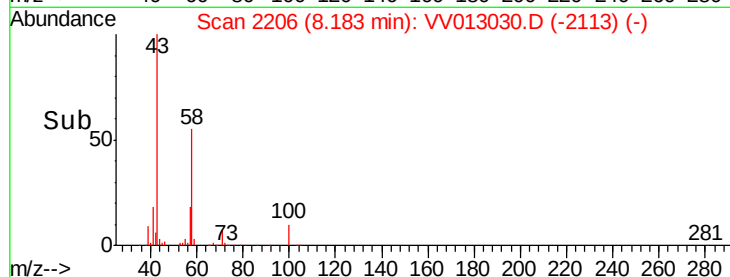
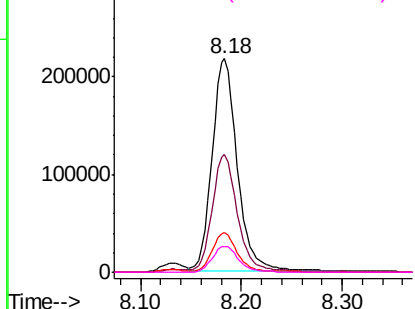
#48
2-Hexanone
Concen: 62.353 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013030.D
Acq: 02 Oct 2019 16:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

Tgt Ion: 43 Resp: 377989
Ion Ratio Lower Upper
43 100
58 55.3 44.9 67.3
57 17.9 15.2 22.8
100 12.5 10.5 15.7

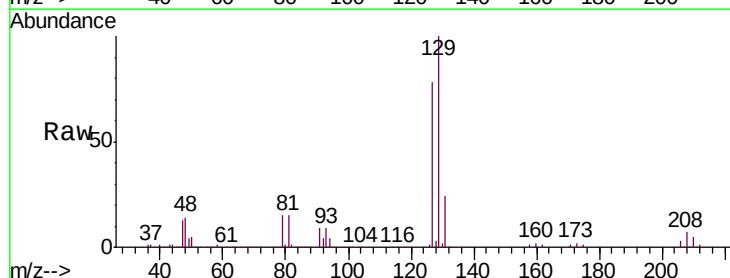


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

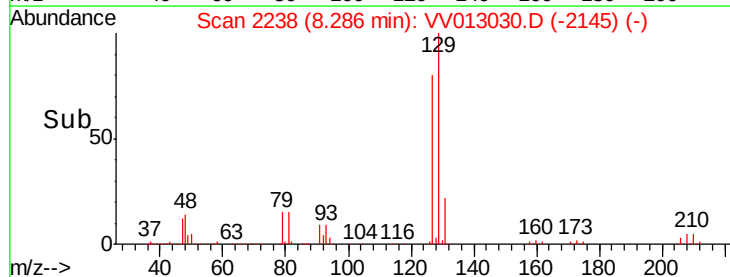
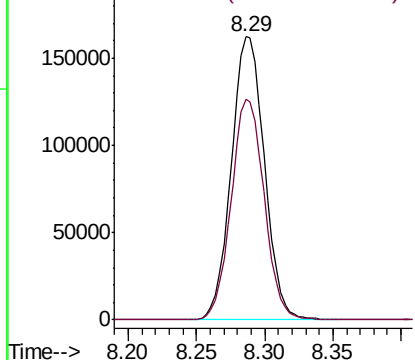


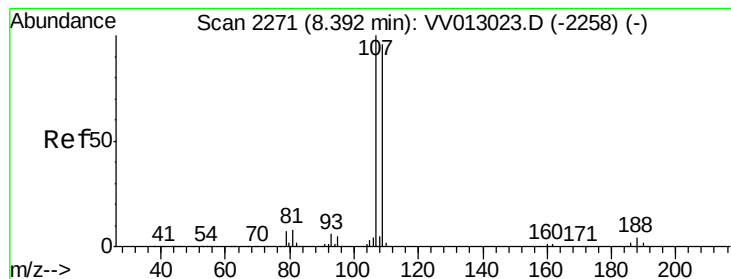
#49
Dibromochloromethane
Concen: 27.226 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013030.D
Acq: 02 Oct 2019 16:26

Tgt Ion: 129 Resp: 274366
Ion Ratio Lower Upper
129 100
127 78.1 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 27.141 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

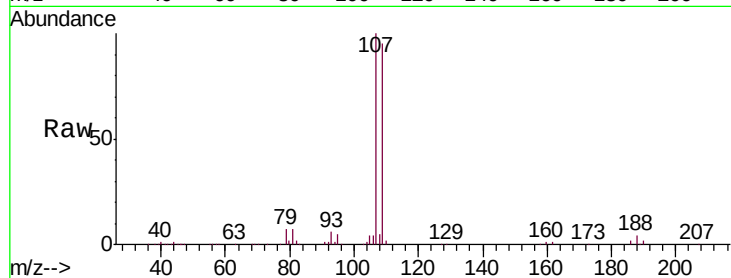
Tgt Ion:107 Resp: 236625

Ion Ratio Lower Upper

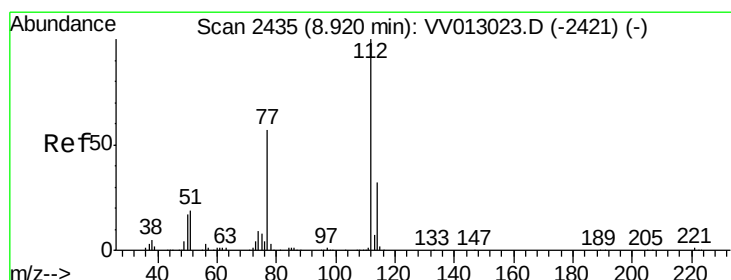
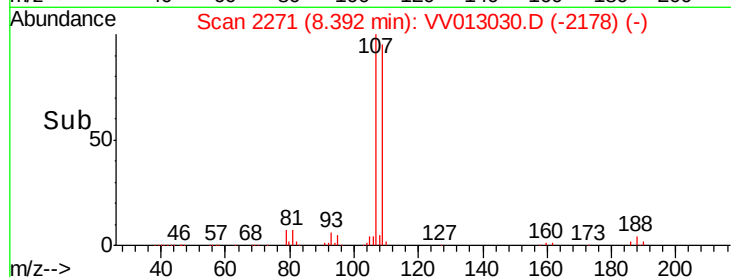
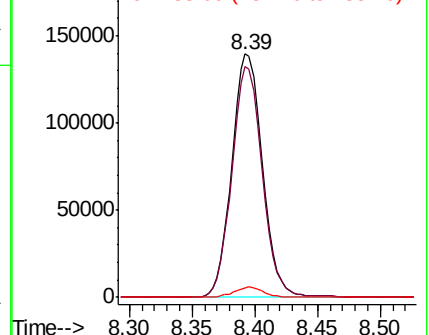
107 100

109 95.0 64.7 120.1

188 4.1 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: 26.901 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

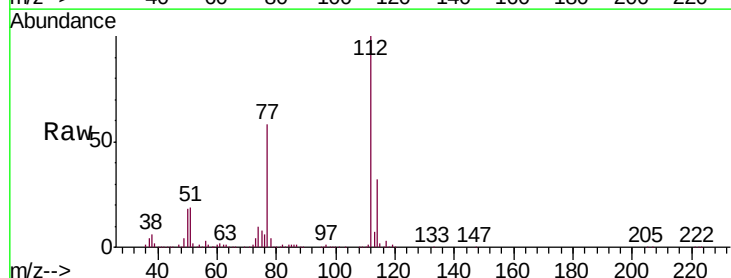
Tgt Ion:112 Resp: 787925

Ion Ratio Lower Upper

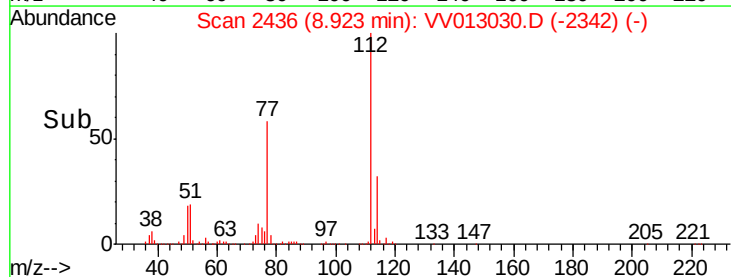
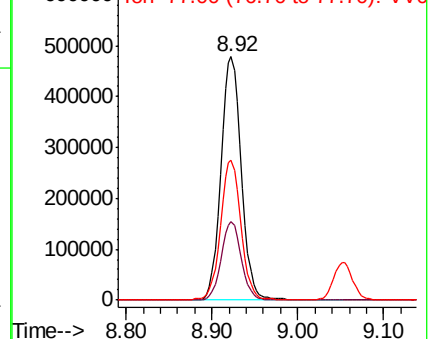
112 100

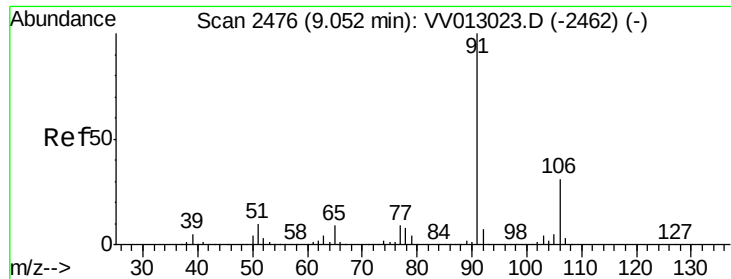
114 32.1 22.7 42.1

77 57.7 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: 27.884 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

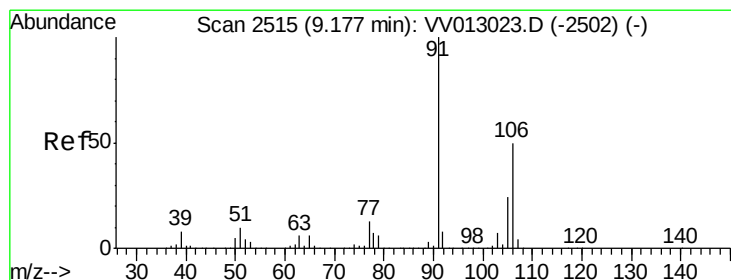
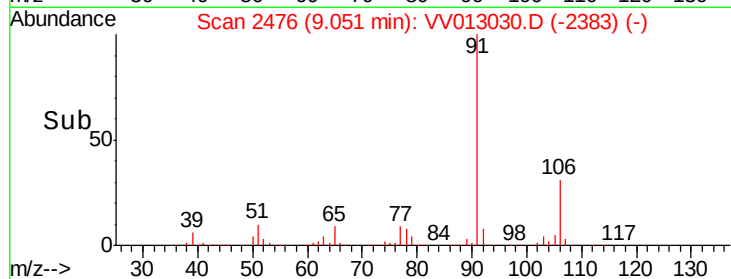
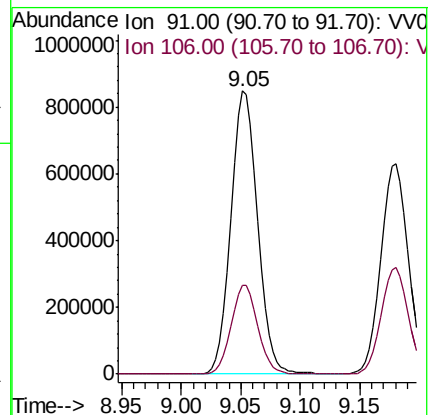
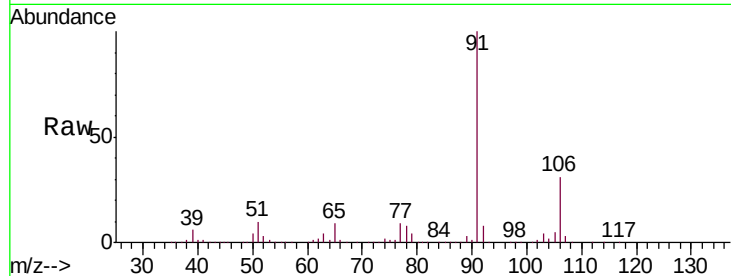
VSTD02579

Tgt Ion: 91 Resp: 1322711

Ion Ratio Lower Upper

91 100

106 31.4 21.8 40.4



#53

m,p-Xylene

Concen: 28.061 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013030.D

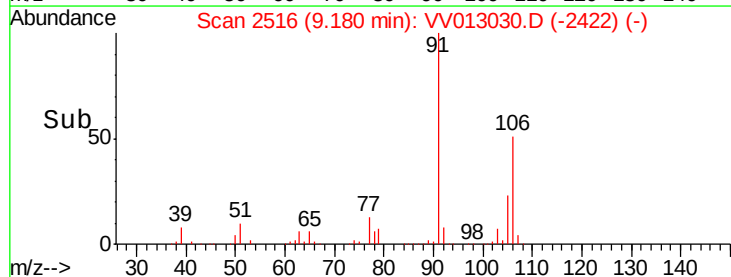
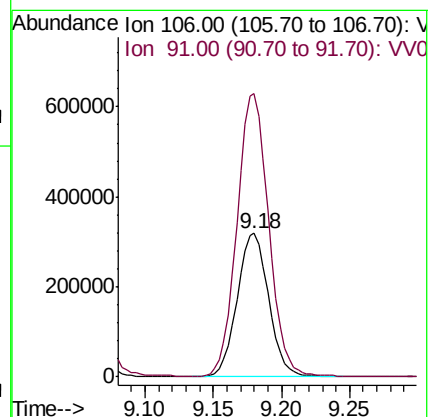
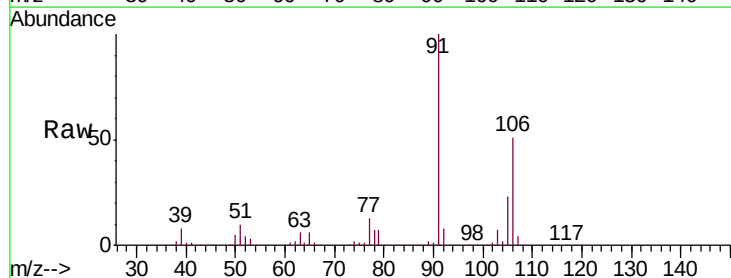
Acq: 02 Oct 2019 16:26

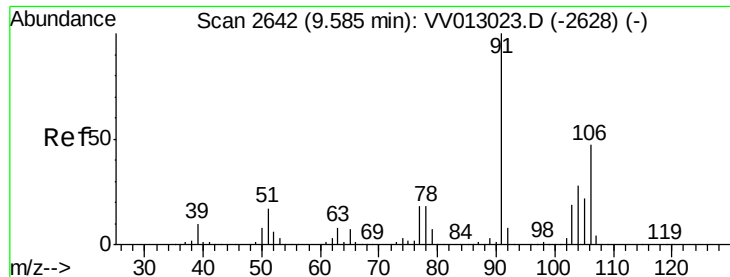
Tgt Ion: 106 Resp: 508840

Ion Ratio Lower Upper

106 100

91 197.5 138.0 256.2

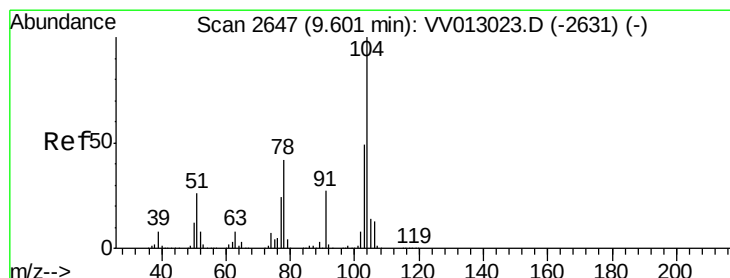
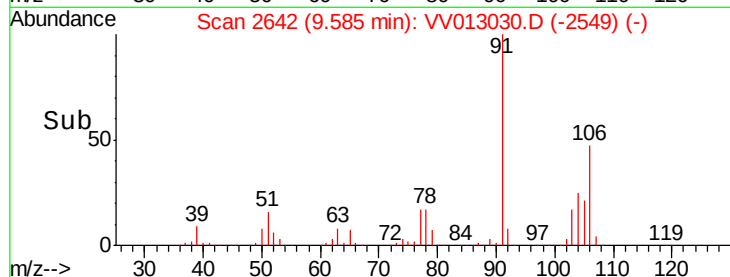
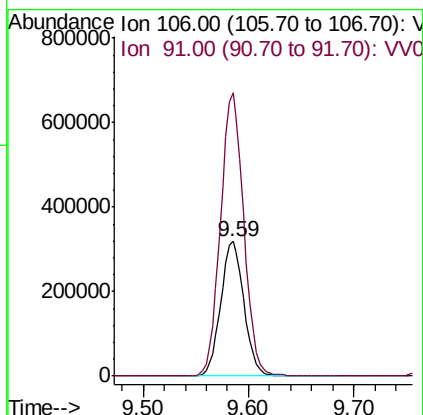
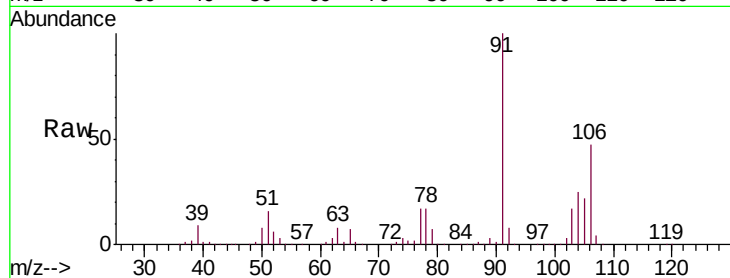




#54
o-Xylene
Concen: 27.983 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV013030.D
Acq: 02 Oct 2019 16:26

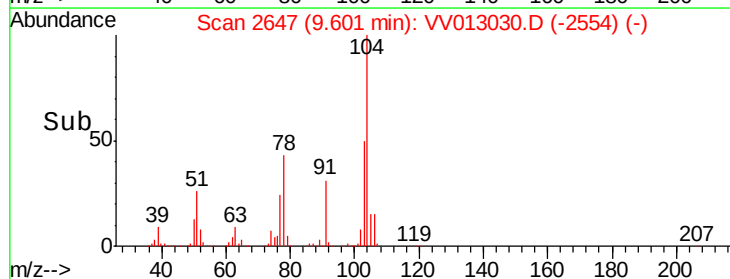
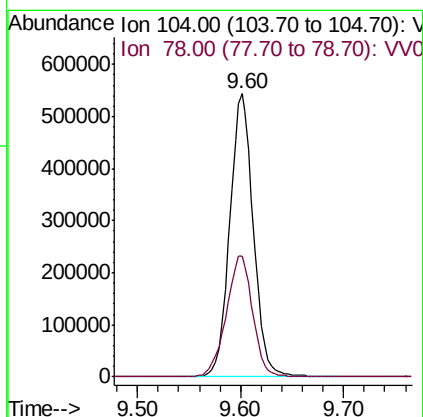
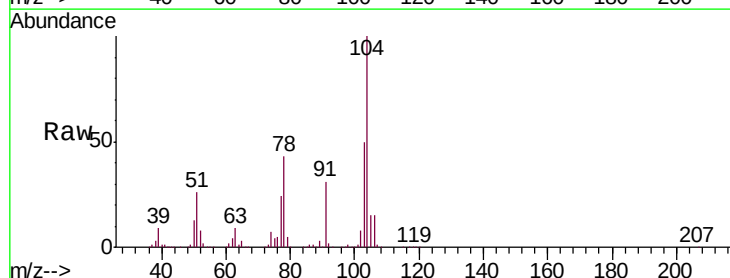
Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

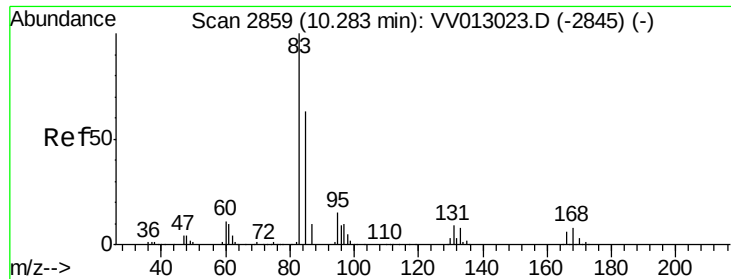
Tgt Ion:106 Resp: 485454
Ion Ratio Lower Upper
106 100
91 210.6 150.8 280.1



#55
Styrene
Concen: 28.546 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV013030.D
Acq: 02 Oct 2019 16:26

Tgt Ion:104 Resp: 867006
Ion Ratio Lower Upper
104 100
78 42.5 29.8 55.3

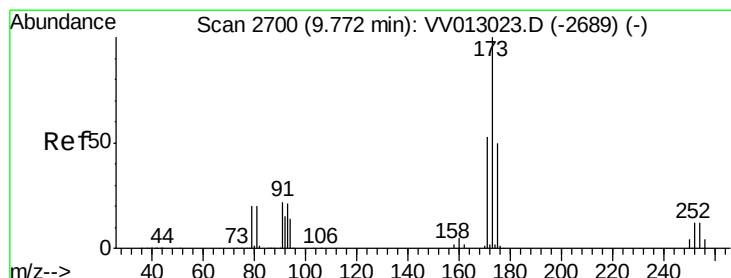
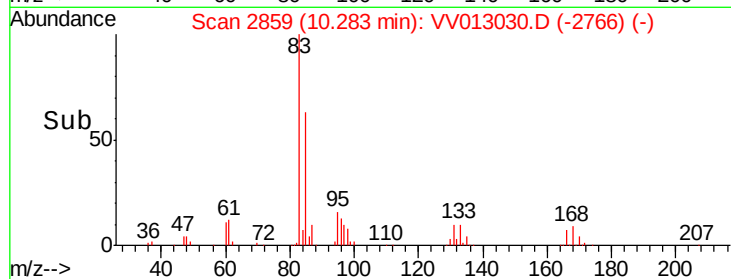
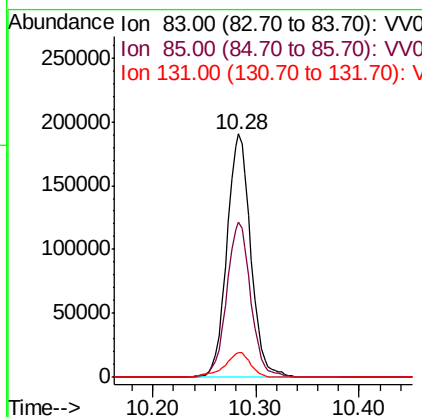
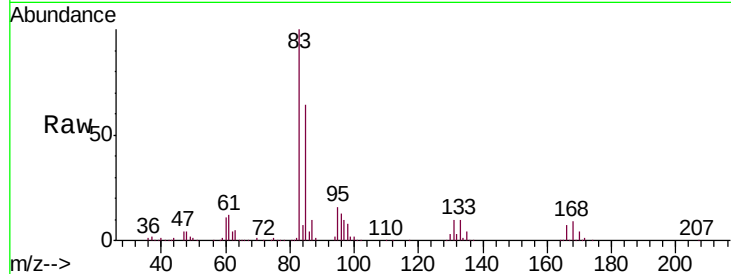




#57
 1,1,2,2-Tetrachloroethane
 Concen: 28.453 ug/L
 RT: 10.28 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VV013030.D
 Acq: 02 Oct 2019 16:26

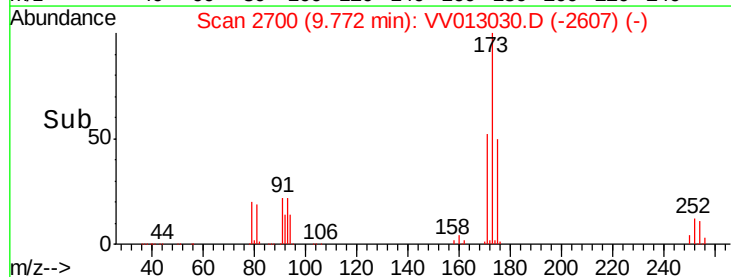
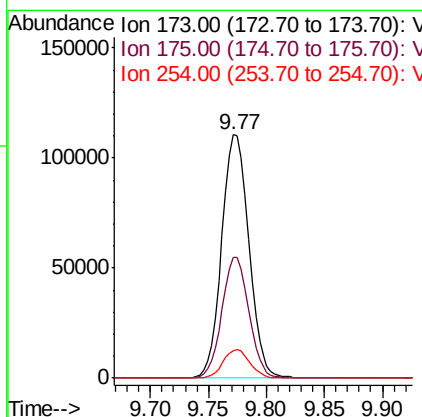
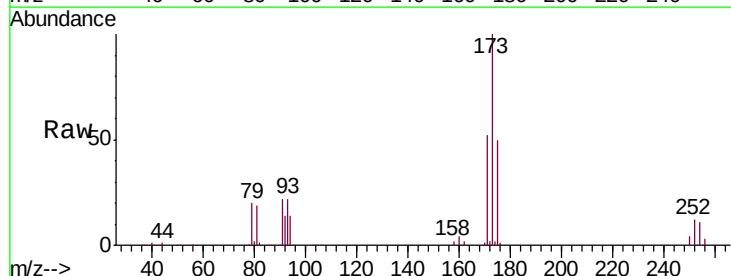
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

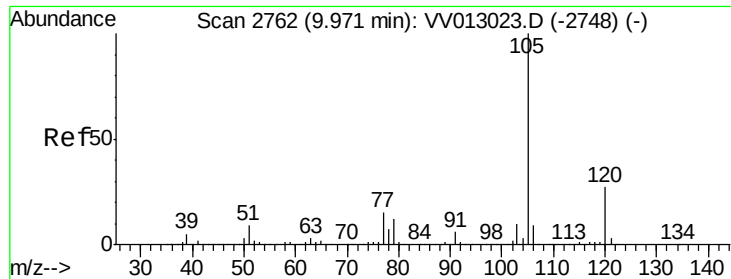
Tgt Ion: 83 Resp: 306596
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.5 82.7
 131 10.3 8.2 12.2



#59
 Bromoform
 Concen: 26.721 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV013030.D
 Acq: 02 Oct 2019 16:26

Tgt Ion: 173 Resp: 179578
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.9 58.3
 254 11.6 9.4 14.0





#60

Isopropylbenzene

Concen: 27.242 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

Instrument :

MSVOA_V

ClientSampled :

VSTD02579

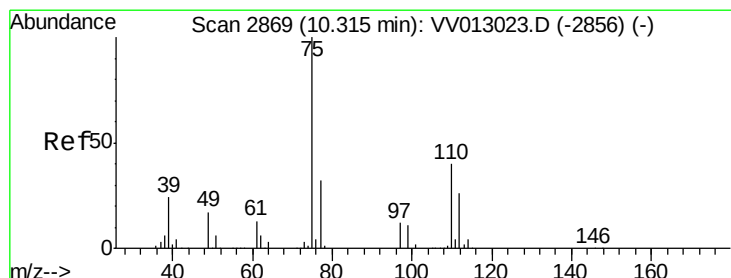
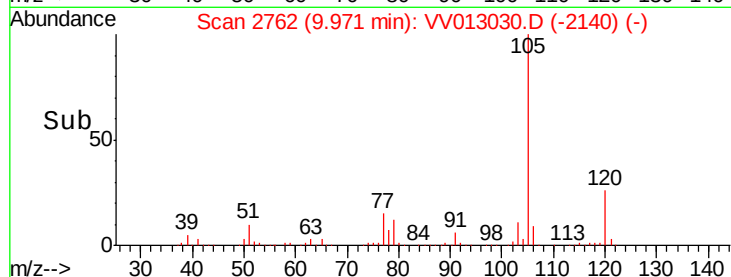
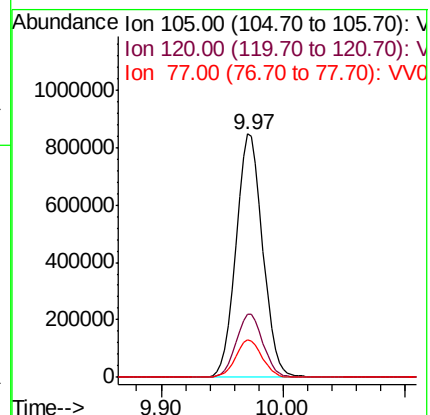
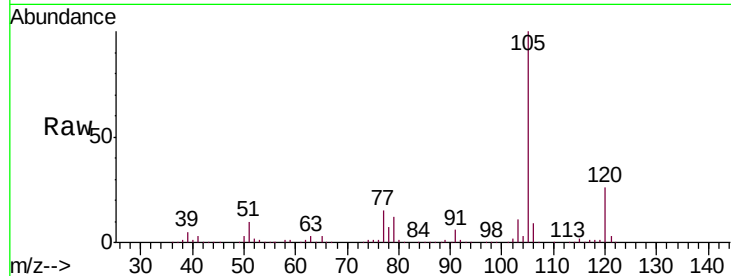
Tgt Ion: 105 Resp: 1288175

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

77 15.4 12.3 18.5



#61

1,2,3-Trichloropropane

Concen: 27.441 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

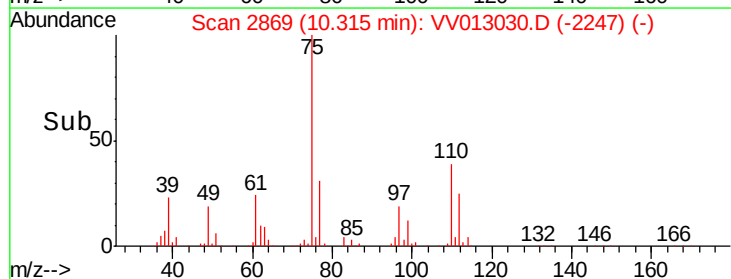
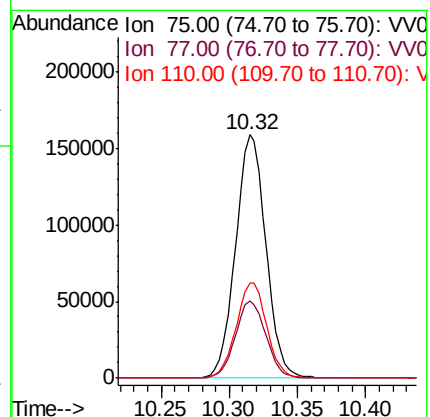
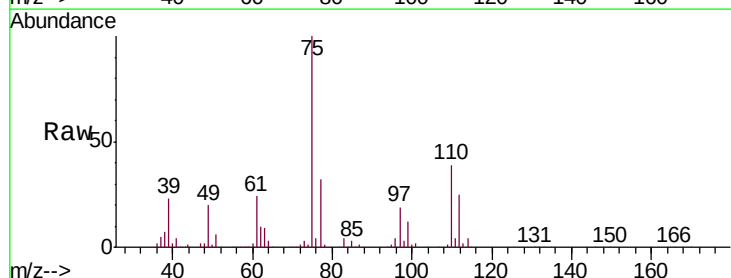
Tgt Ion: 75 Resp: 245078

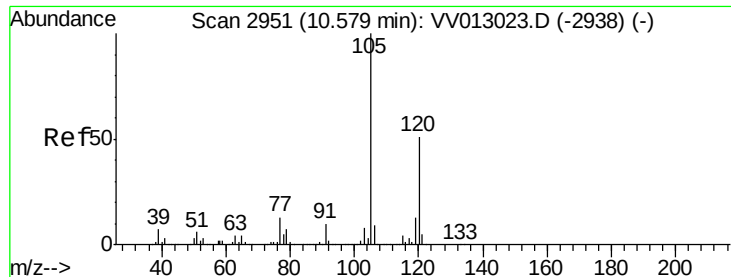
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2

110 39.5 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 27.799 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV013030.D

Acq: 02 Oct 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

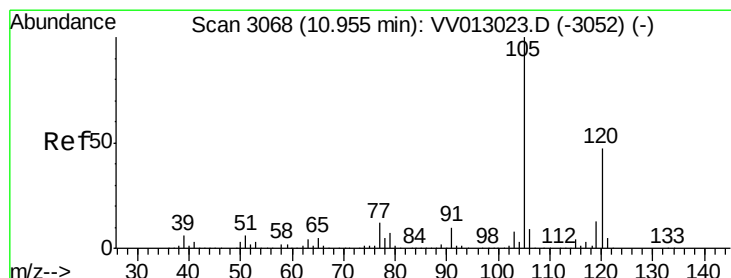
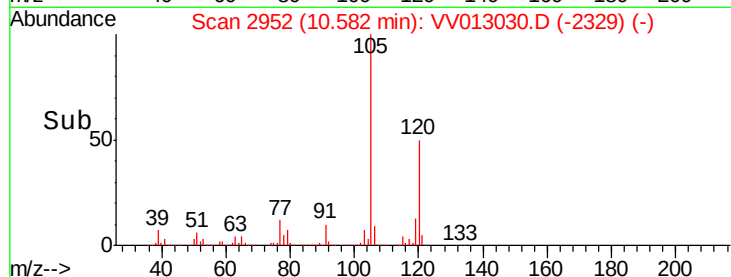
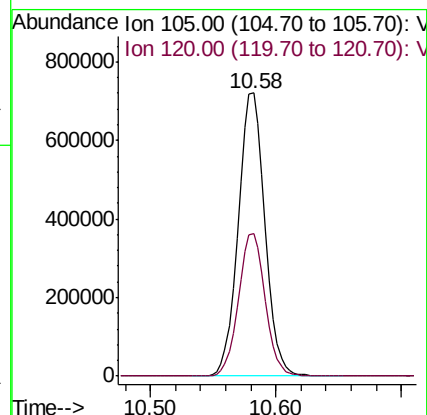
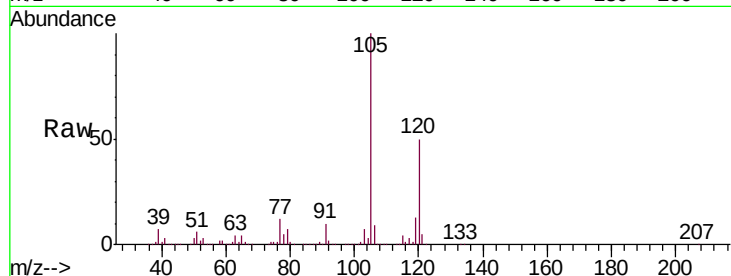
VSTD02579

Tgt Ion:105 Resp: 1059122

Ion Ratio Lower Upper

105 100

120 50.4 40.6 61.0



#63

1,2,4-Trimethylbenzene

Concen: 28.113 ug/L

RT: 10.95 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VV013030.D

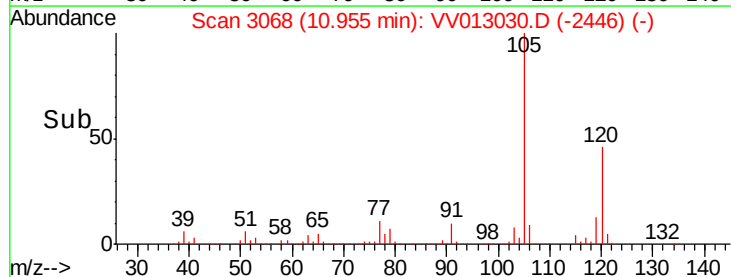
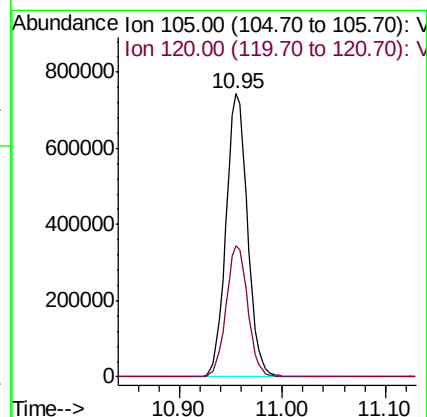
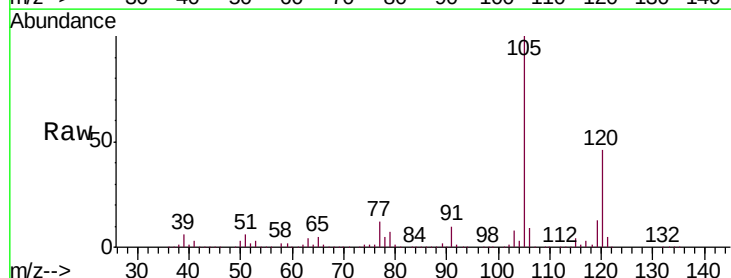
Acq: 02 Oct 2019 16:26

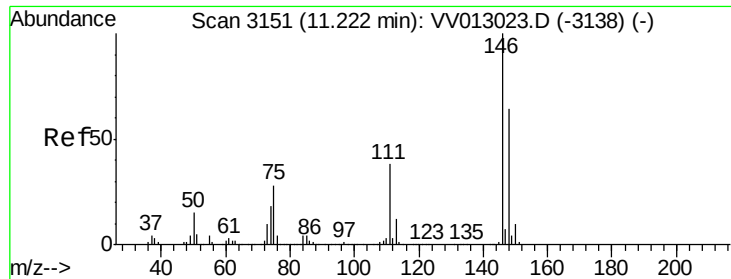
Tgt Ion:105 Resp: 1075607

Ion Ratio Lower Upper

105 100

120 46.9 37.1 55.7

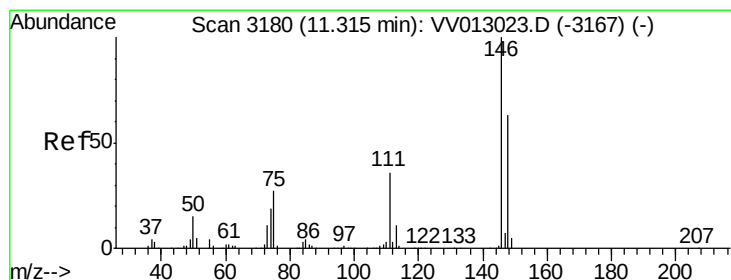
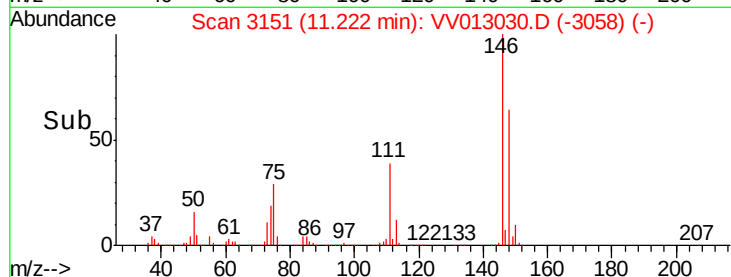
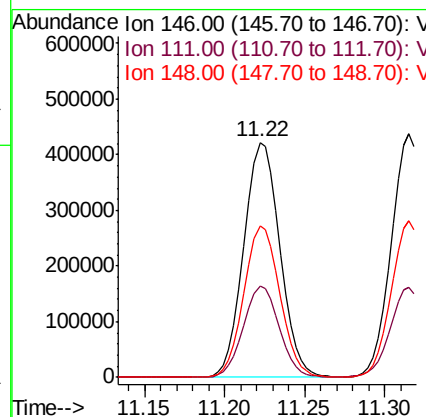
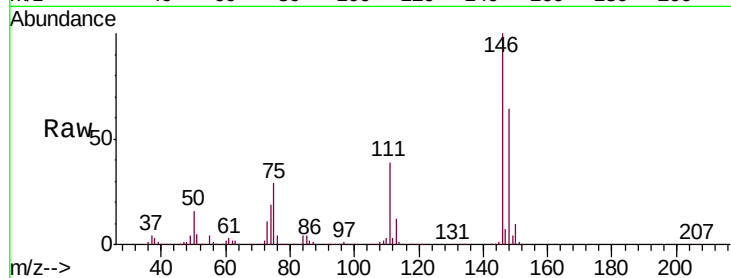




#64
 1,3-Dichlorobenzene
 Concen: 26.189 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV013030.D
 Acq: 02 Oct 2019 16:26

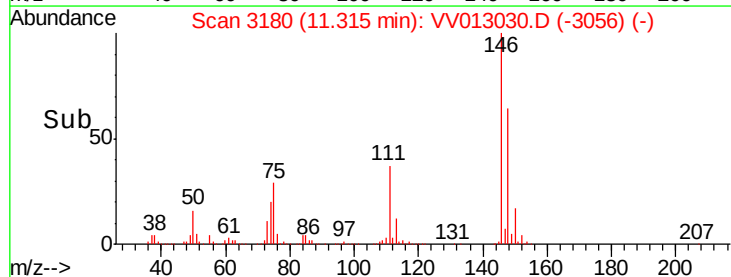
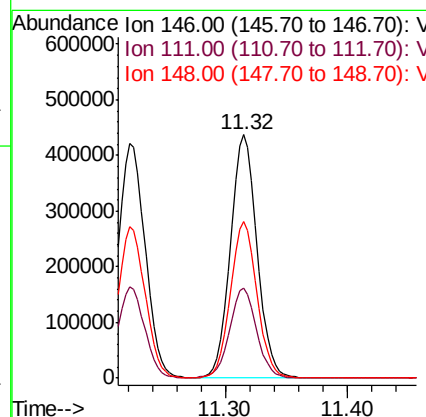
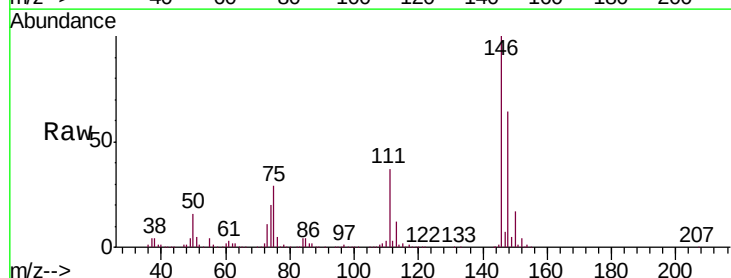
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

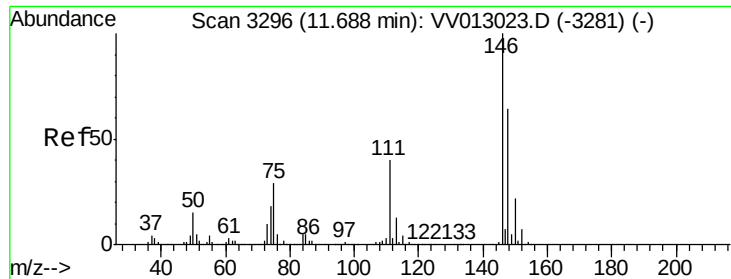
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	27.0	50.2
148	64.4	44.7	83.1



#65
 1,4-Dichlorobenzene
 Concen: 25.666 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV013030.D
 Acq: 02 Oct 2019 16:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	25.4	47.2
148	64.2	44.2	82.2

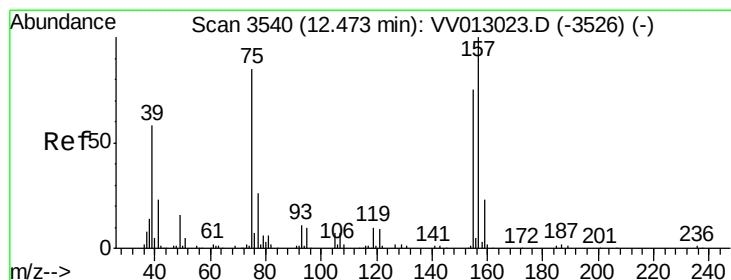
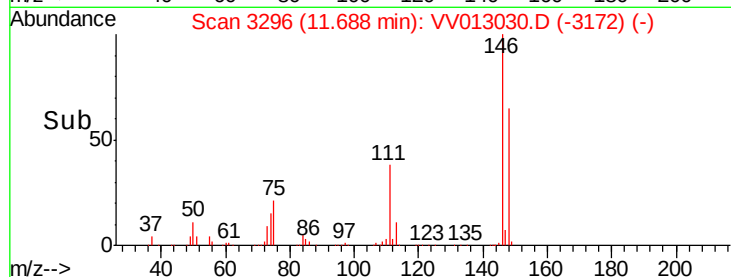
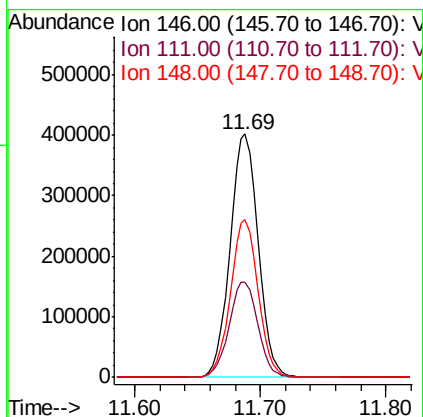
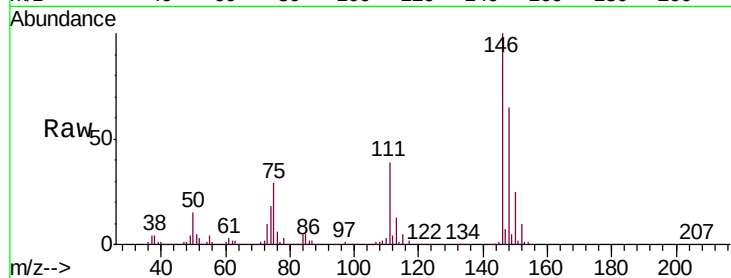




#67
 1,2-Dichlorobenzene
 Concen: 26.291 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV013030.D
 Acq: 02 Oct 2019 16:26

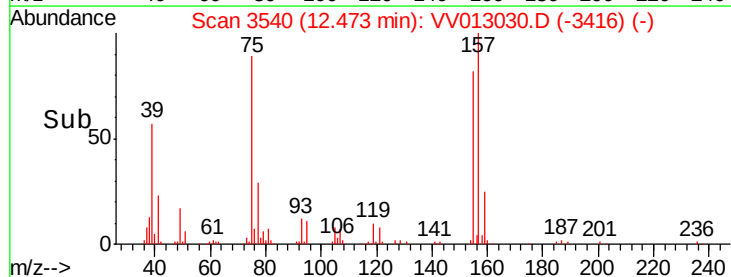
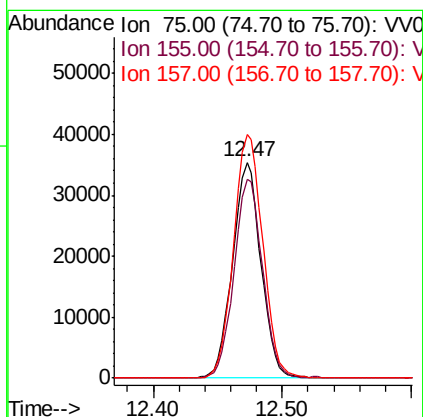
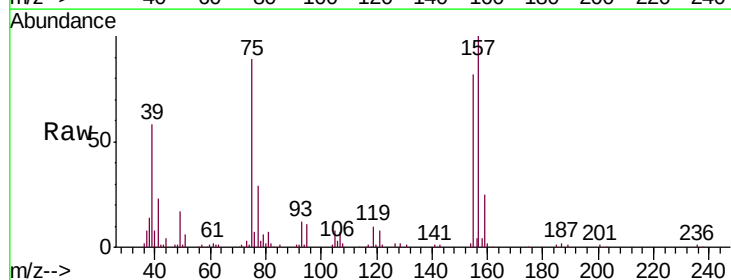
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

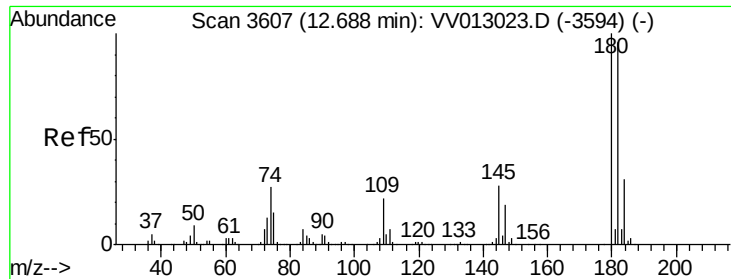
Tgt Ion: 146 Resp: 623030
 Ion Ratio Lower Upper
 146 100
 111 39.3 32.0 48.0
 148 64.6 50.8 76.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 28.007 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV013030.D
 Acq: 02 Oct 2019 16:26

Tgt Ion: 75 Resp: 54253
 Ion Ratio Lower Upper
 75 100
 155 92.4 74.4 111.6
 157 113.0 95.8 143.6

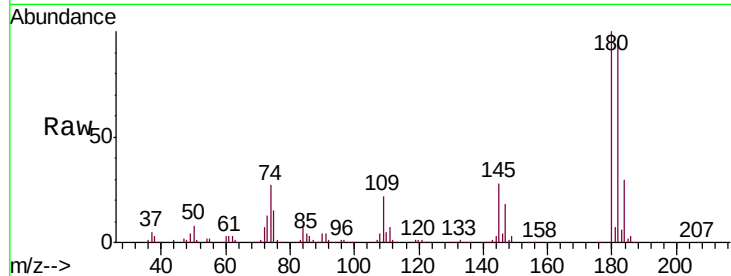




#69
 1,3,5-Trichlorobenzene
 Concen: 25.831 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013030.D
 Acq: 02 Oct 2019 16:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	115.0
184	30.5	24.6	37.0
145	27.9	22.2	33.4



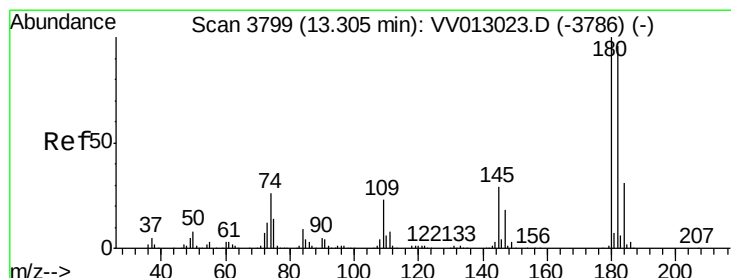
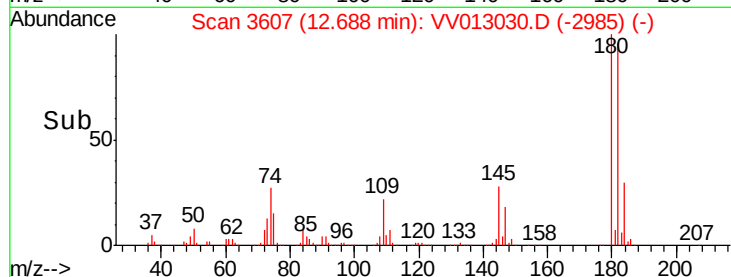
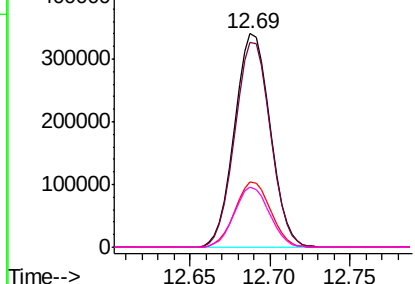
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

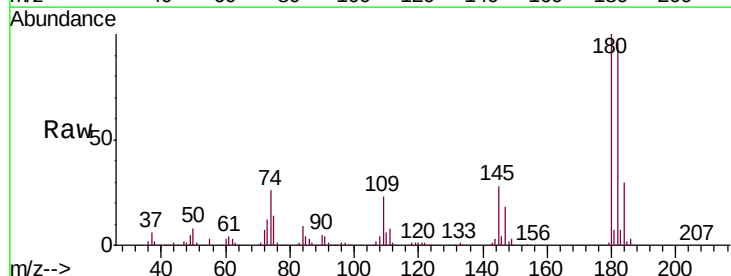
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 25.681 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013030.D
 Acq: 02 Oct 2019 16:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.0	114.0
145	28.0	22.5	33.7

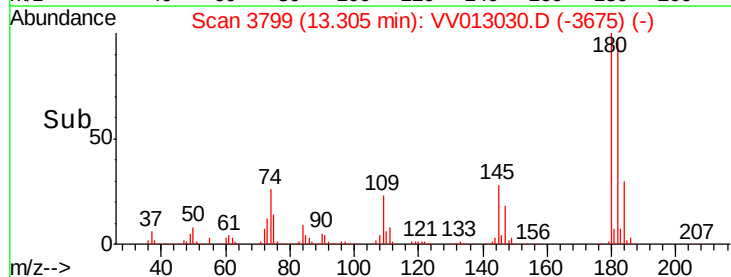
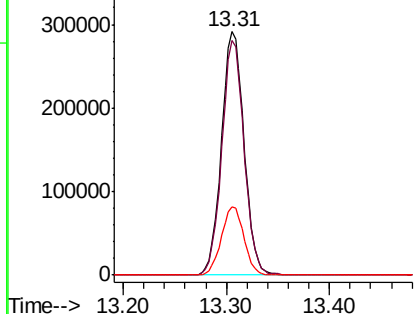


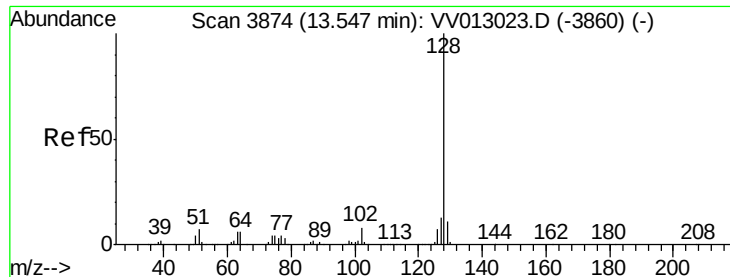
Abundance

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

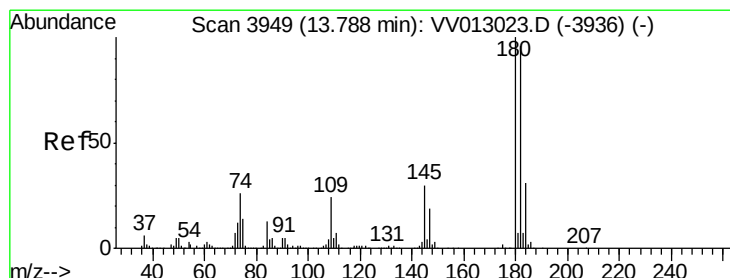
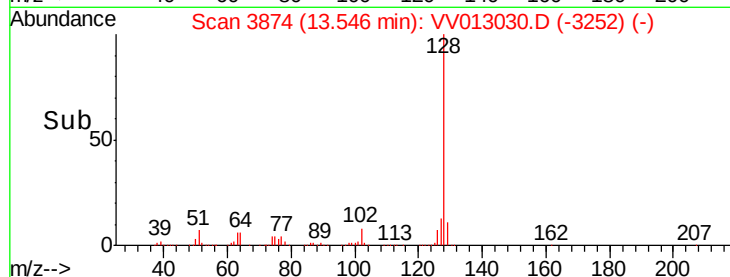
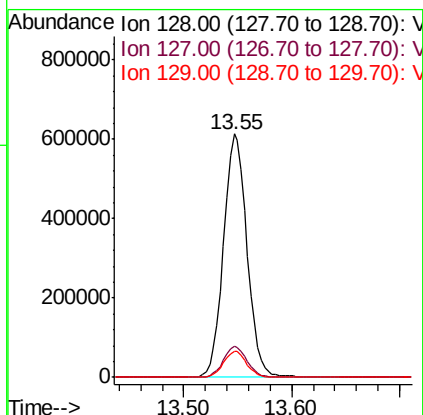
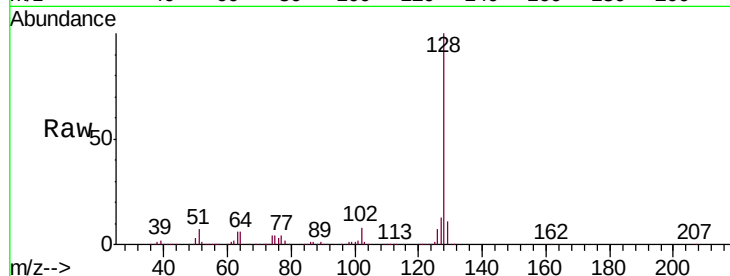




#71
Naphthalene
Concen: 27.612 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. -0.00 min
Lab File: VV013030.D
Acq: 02 Oct 2019 16:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

Tgt Ion:128 Resp: 929378
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.8 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 25.669 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV013030.D
Acq: 02 Oct 2019 16:26

Tgt Ion:180 Resp: 427807
Ion Ratio Lower Upper
180 100
182 96.4 76.7 115.1
145 30.1 24.2 36.4

