

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060319\
 Data File : VV011200.D
 Acq On : 03 Jun 2019 14:14
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02585

Quant Time: Jun 04 01:16:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 04 01:13:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	304623	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	312770	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	152875	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77866	18.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.56%
7) Chloroethane-d5	1.57	69	68188	21.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.08%
10) 1,1-Dichloroethene-d2	2.13	63	169438	20.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.12%
20) 2-Butanone-d5	3.93	46	75378	50.04	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.08%
24) Chloroform-d	4.40	84	169134	22.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.84%
26) 1,2-Dichloroethane-d4	5.08	65	118468	24.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.64%
29) Benzene-d6	5.09	84	356053	20.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.84%
33) 1,2-Dichloropropane-d6	6.11	67	119577	21.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.88%
37) Toluene-d8	7.36	98	333263	20.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.20%
38) trans-1,3-Dichloropropene-	7.66	79	52241	21.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.84%
39) 2-Hexanone-d5	8.13	63	57190	46.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	114336	23.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	131113	22.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	110164	22.395	ug/L 99
3) Chloromethane	1.25	50	118297	24.596	ug/L 100
5) Vinyl chloride	1.32	62	109381	22.812	ug/L 99
6) Bromomethane	1.51	94	62643	24.235	ug/L 98
8) Chloroethane	1.59	64	66337	23.912	ug/L 99
9) Trichlorofluoromethane	1.76	101	154664	22.419	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	79381	21.483	ug/L 99
12) 1,1-Dichloroethene	2.14	96	74631	21.804	ug/L 86
13) Acetone	2.19	43	80088	45.700	ug/L 98
14) Carbon disulfide	2.31	76	236983	21.558	ug/L 99
15) Methyl Acetate	2.46	43	64105	24.310	ug/L 95
16) Methylene chloride	2.53	84	108753	23.427	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	288142	24.282	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	93757	22.487	ug/L 96
19) 1,1-Dichloroethane	3.23	63	192643	23.879	ug/L 98
21) 2-Butanone	4.02	43	90651	44.091	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	114973	24.689	ug/L 96

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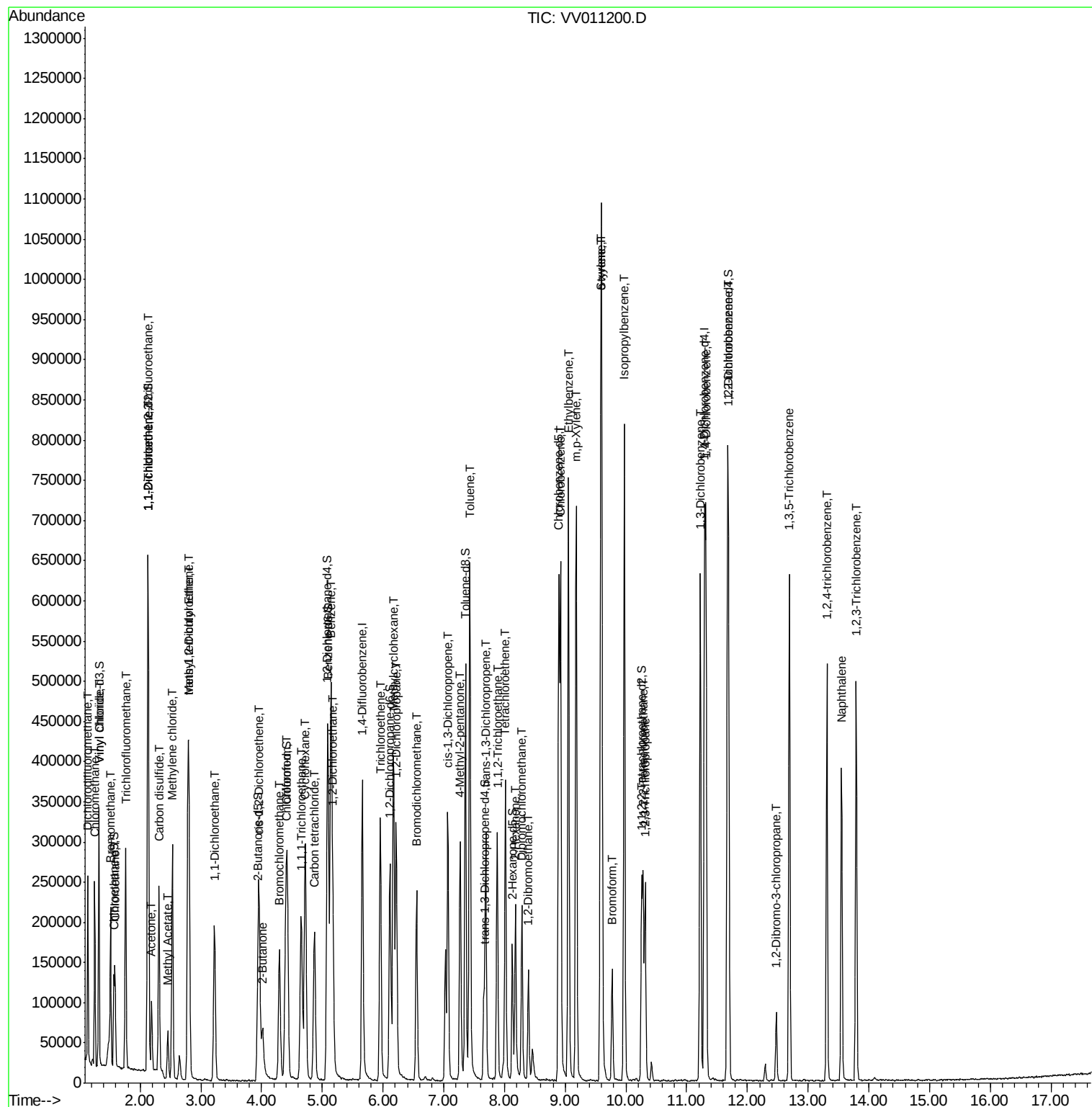
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	51192	24.984	ug/L	90
25) Chloroform	4.42	83	221388	25.686	ug/L	99
27) 1,2-Dichloroethane	5.18	62	154802	25.649	ug/L	99
30) Cyclohexane	4.72	56	162219	19.395	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	158235	22.091	ug/L	99
32) Carbon tetrachloride	4.87	117	129240	21.283	ug/L	100
34) Benzene	5.14	78	412334	22.239	ug/L	100
35) Trichloroethene	5.96	95	111250	22.883	ug/L	98
36) Methylcyclohexane	6.17	83	158543	19.270	ug/L	98
40) 1,2-Dichloropropane	6.22	63	111523	22.882	ug/L	99
41) Bromodichloromethane	6.55	83	151777	23.908	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	176766	22.812	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	198012	44.721	ug/L	99
44) Toluene	7.43	91	461044	22.780	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	155832	23.562	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	89936	23.657	ug/L	97
47) Tetrachloroethene	8.02	164	77617	21.544	ug/L	95
49) 2-Hexanone	8.18	43	137472	43.092	ug/L	97
50) Dibromochloromethane	8.29	129	103686	24.134	ug/L	98
51) 1,2-Dibromoethane	8.39	107	86982	23.591	ug/L	100
52) Chlorobenzene	8.92	112	304536	23.506	ug/L	98
53) Ethylbenzene	9.05	91	528253	22.747	ug/L	100
54) m,p-Xylene	9.18	106	197186	22.828	ug/L	99
55) o-xylene	9.59	106	198446	23.359	ug/L	99
56) Styrene	9.60	104	342752	24.019	ug/L	97
57) Isopropylbenzene	9.97	105	509195	22.447	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	116016	22.458	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	93425	23.917	ug/L	99
62) Bromoform	9.77	173	57747	24.230	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	235008	23.731	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	236355	23.520	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	225070	24.005	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	20371	22.393	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	172325	23.280	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	139488	23.482	ug/L	99
69) Naphthalene	13.55	128	282148	23.105	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	130748	23.733	ug/L	99

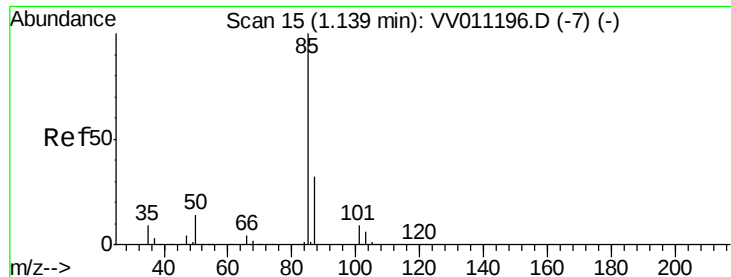
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.395 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

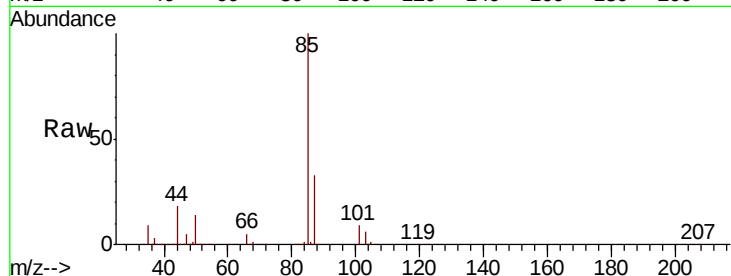
VSTD02585

Tgt Ion: 85 Resp: 110164

Ion Ratio Lower Upper

85 100

87 32.9 22.8 42.4



Abundance Ion 85.00 (84.70 to 85.70): VV011196.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV011196.D (-7) (-)

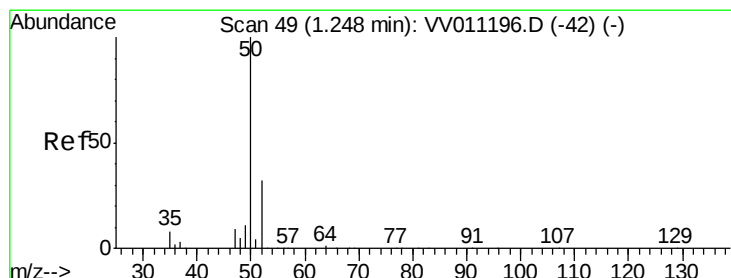
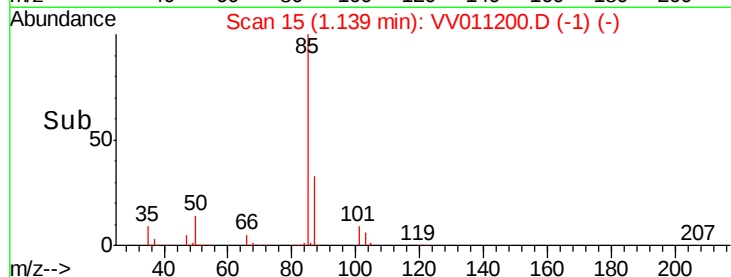
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 24.596 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011200.D

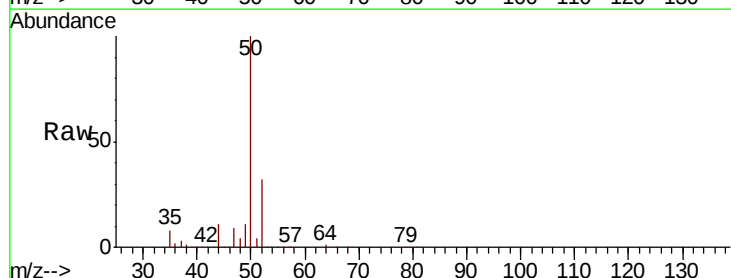
Acq: 03 Jun 2019 14:14

Tgt Ion: 50 Resp: 118297

Ion Ratio Lower Upper

50 100

52 32.4 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV011196.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV011196.D (-42) (-)

1.25

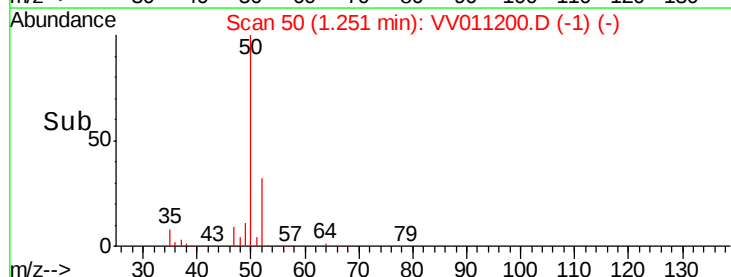
150000

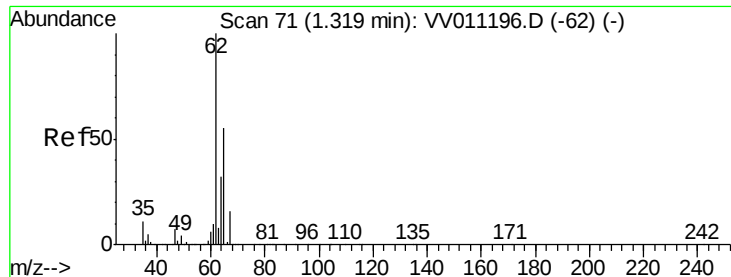
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 22.812 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

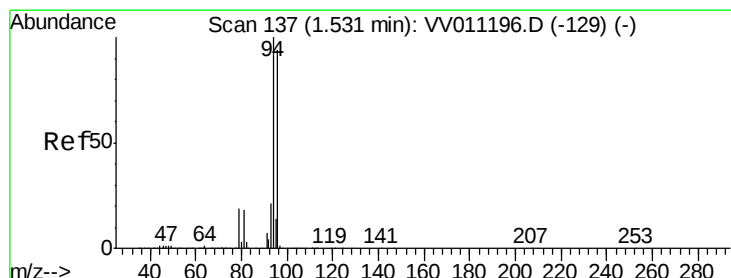
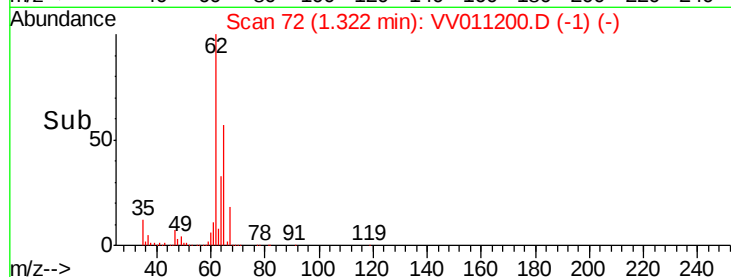
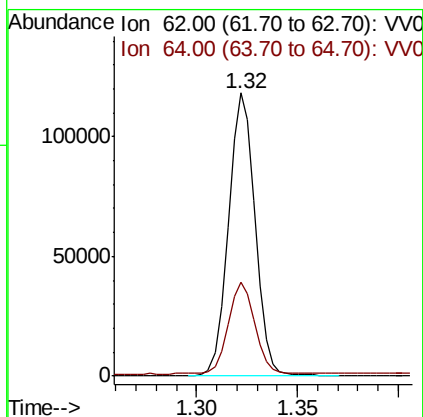
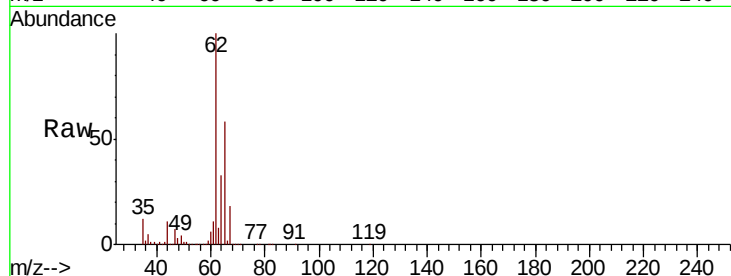
VSTD02585

Tgt Ion: 62 Resp: 109381

Ion Ratio Lower Upper

62 100

64 33.1 23.7 44.1



#6

Bromomethane

Concen: 24.235 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.02 min

Lab File: VV011200.D

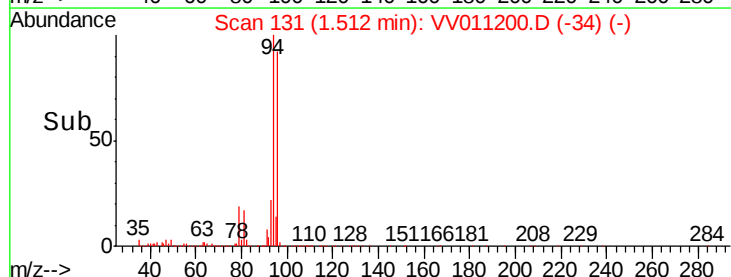
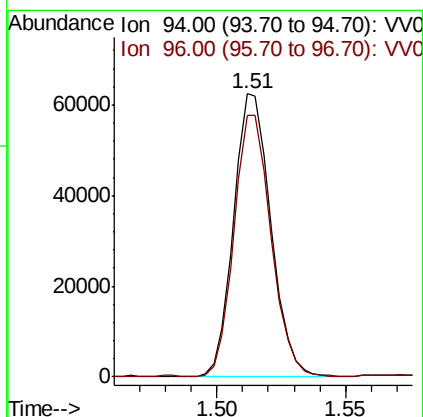
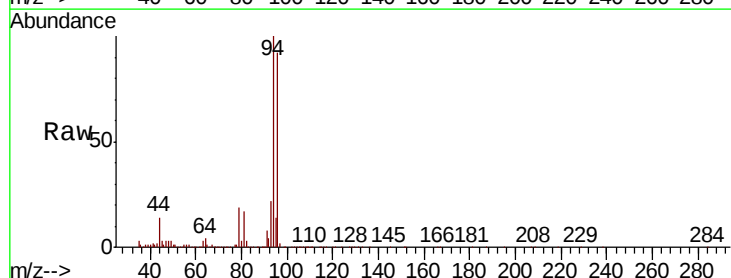
Acq: 03 Jun 2019 14:14

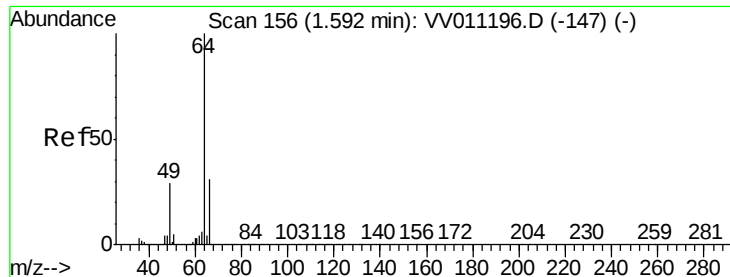
Tgt Ion: 94 Resp: 62643

Ion Ratio Lower Upper

94 100

96 92.1 9.4 179.5





#8

Chloroethane

Concen: 23.912 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.01 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

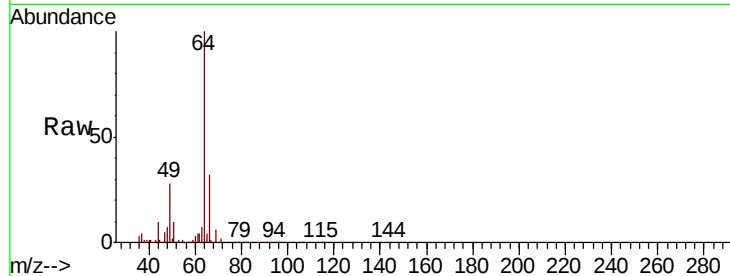
VSTD02585

Tgt Ion: 64 Resp: 66337

Ion Ratio Lower Upper

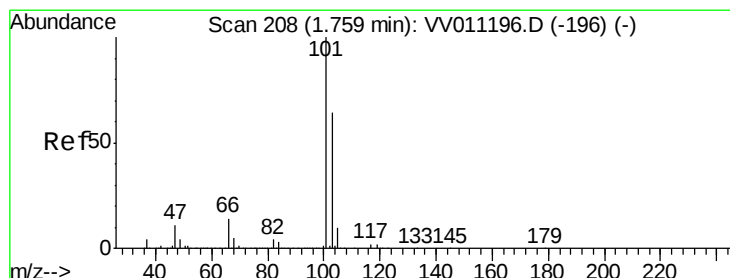
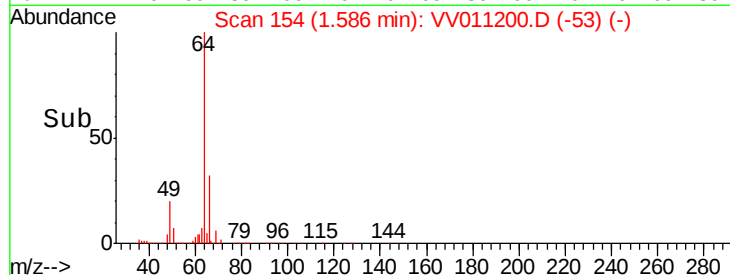
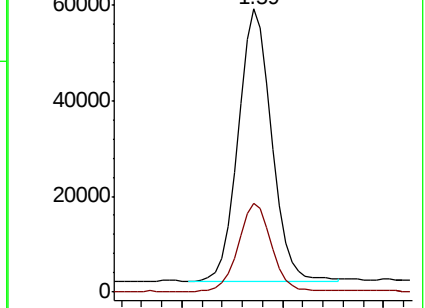
64 100

66 31.6 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VV011196.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV011196.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 22.419 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV011200.D

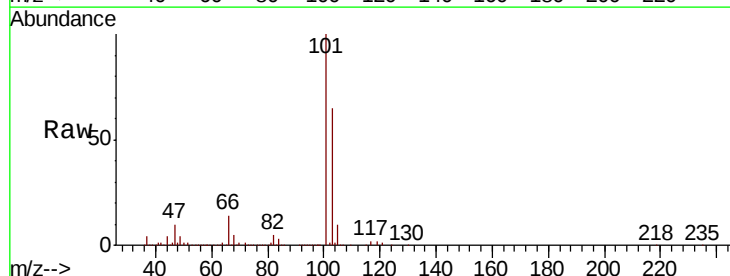
Acq: 03 Jun 2019 14:14

Tgt Ion: 101 Resp: 154664

Ion Ratio Lower Upper

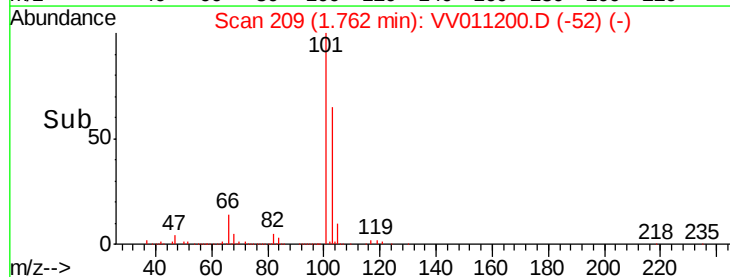
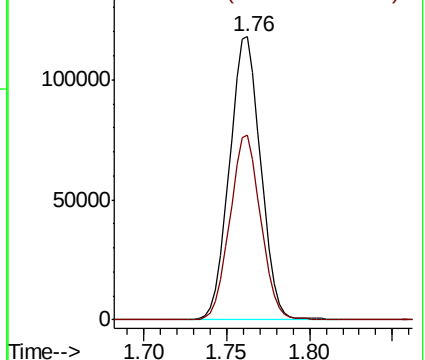
101 100

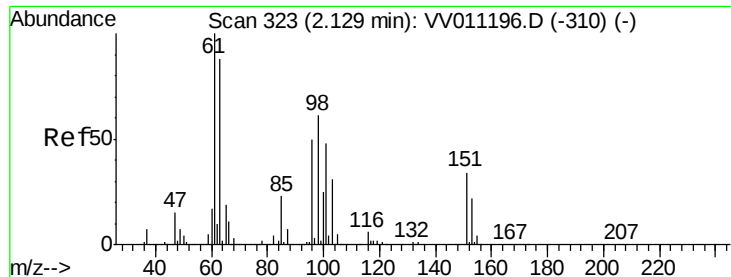
103 64.6 44.4 82.4



Abundance Ion 101.00 (100.70 to 101.70): VV011196.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV011196.D (-196) (-)





#11

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

Concen: 21.483 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

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VSTD02585

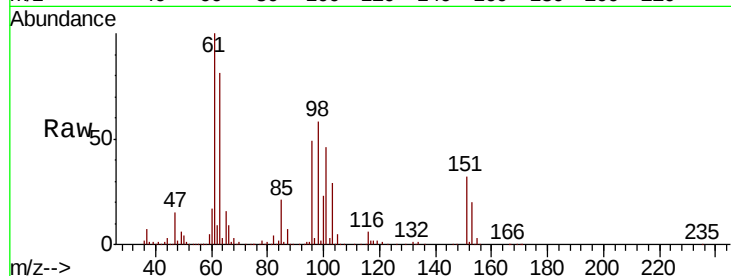
Tgt Ion: 101 Resp: 79381

Ion Ratio Lower Upper

101 100

85 47.0 37.4 56.2

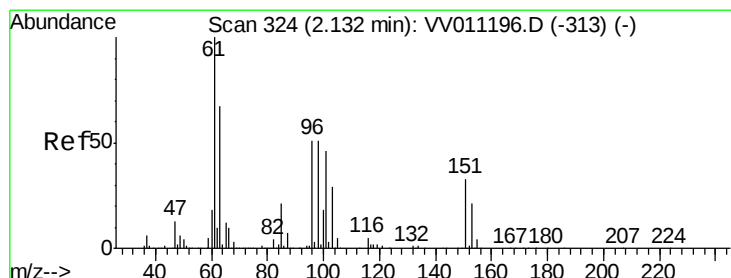
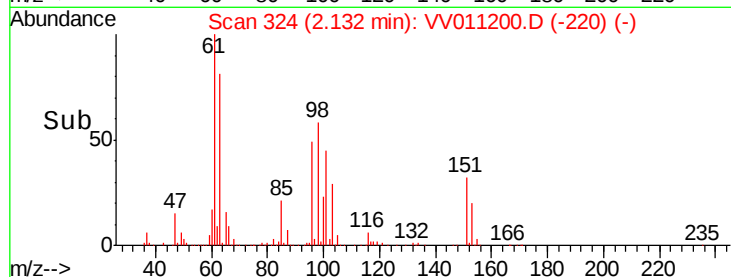
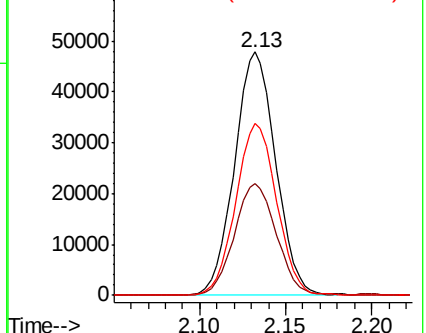
151 70.5 57.1 85.7



Abundance Ion 101.00 (100.70 to 101.70): VV011196.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV011196.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV011196.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 21.804 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

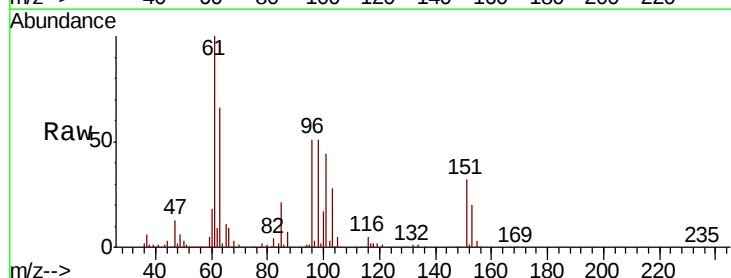
Tgt Ion: 96 Resp: 74631

Ion Ratio Lower Upper

96 100

61 194.7 141.6 263.0

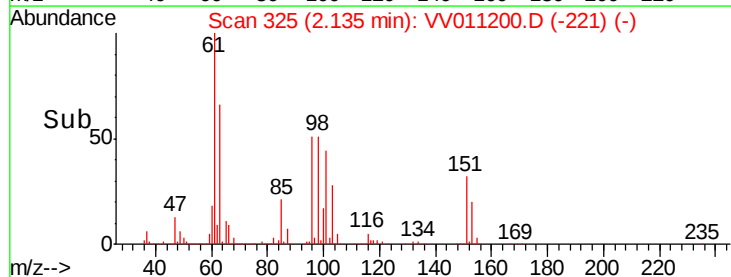
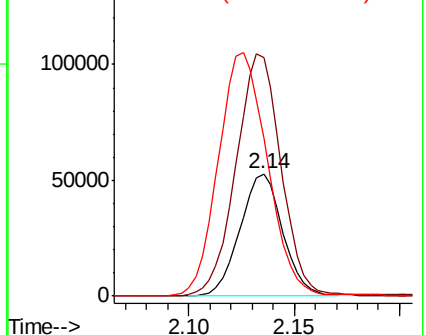
63 129.2 114.4 212.4

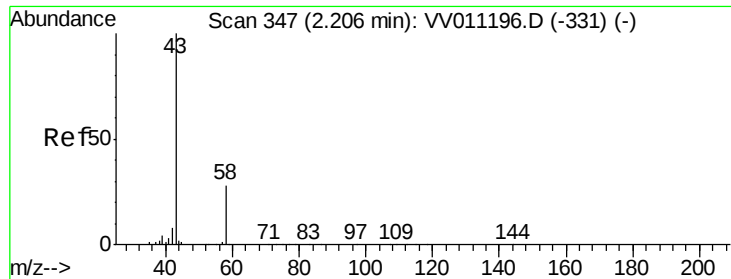


Abundance Ion 96.00 (95.70 to 96.70): VV011196.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV011196.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV011196.D (-313) (-)





#13

Acetone

Concen: 45.700 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

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ClientSampleId :

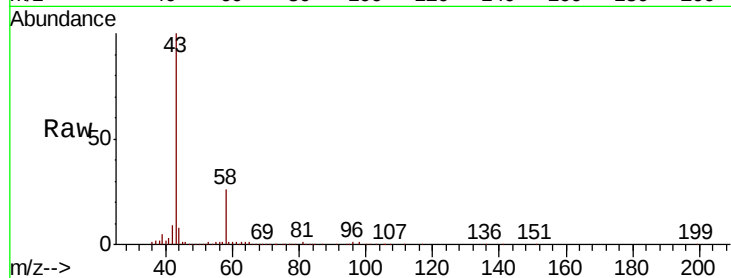
VSTD02585

Tgt Ion: 43 Resp: 80088

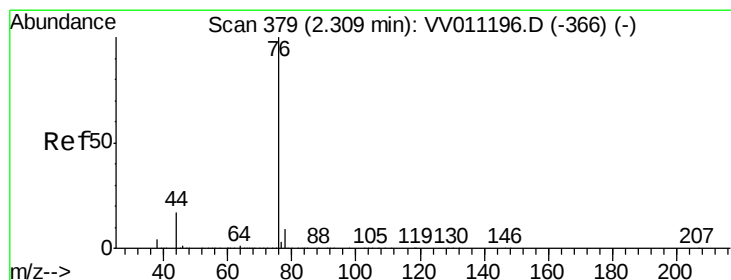
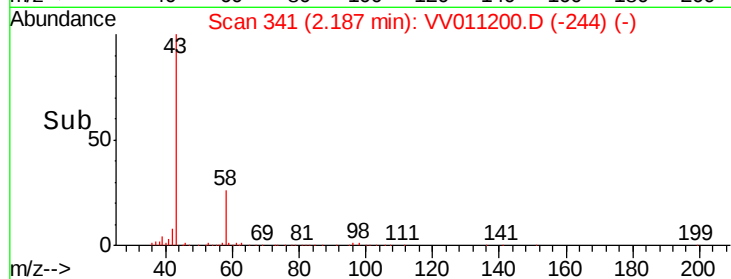
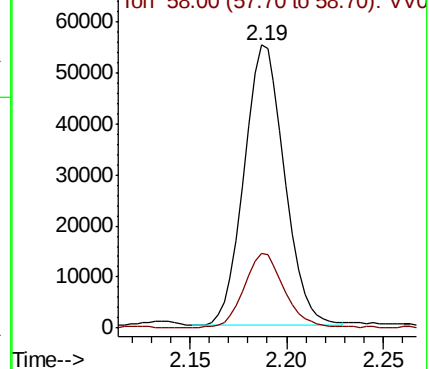
Ion Ratio Lower Upper

43 100

58 26.1 0.0 53.8



Abundance Ion 43.00 (42.70 to 43.70): VV011196.D (-331) (-)



#14

Carbon disulfide

Concen: 21.558 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV011200.D

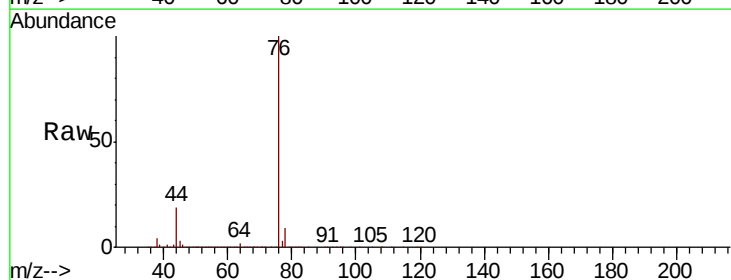
Acq: 03 Jun 2019 14:14

Tgt Ion: 76 Resp: 236983

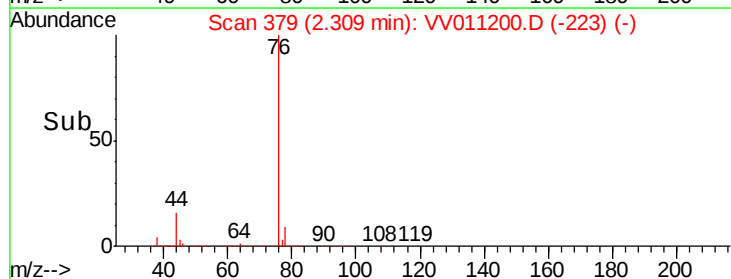
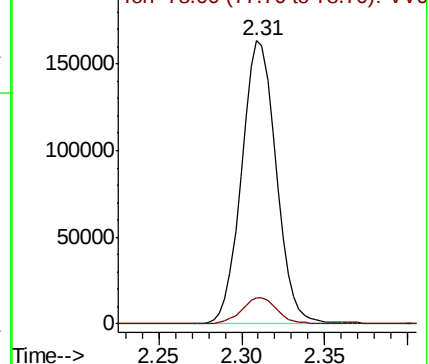
Ion Ratio Lower Upper

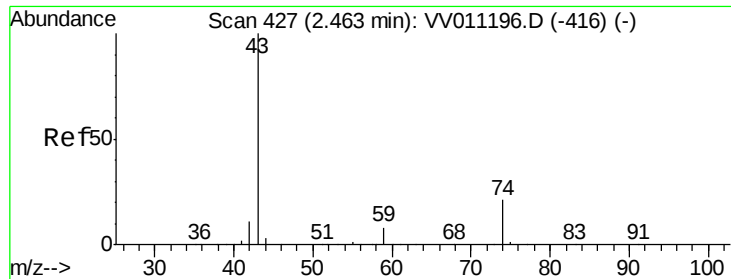
76 100

78 9.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV011196.D (-366) (-)

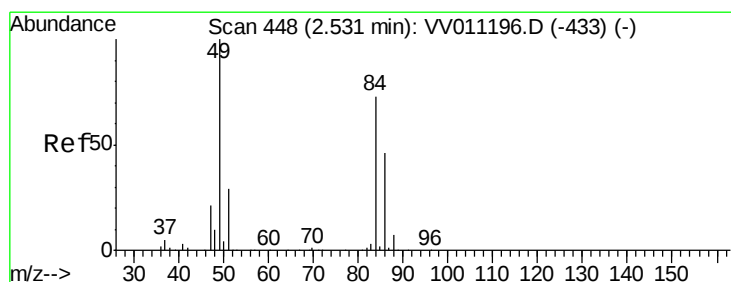
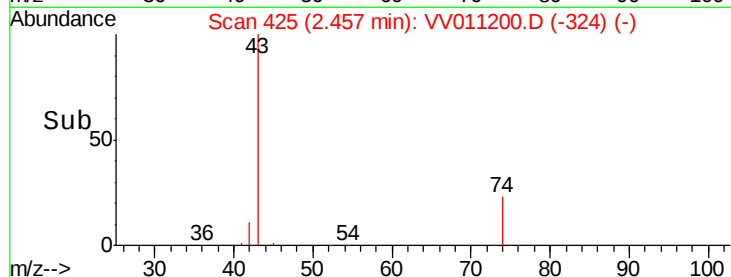
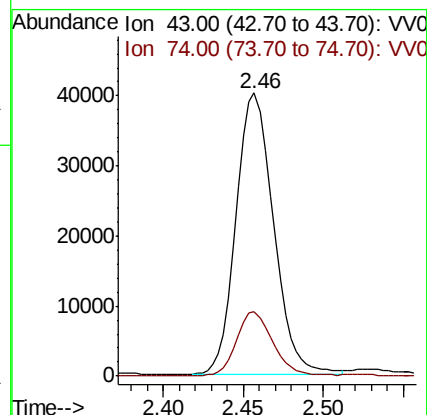
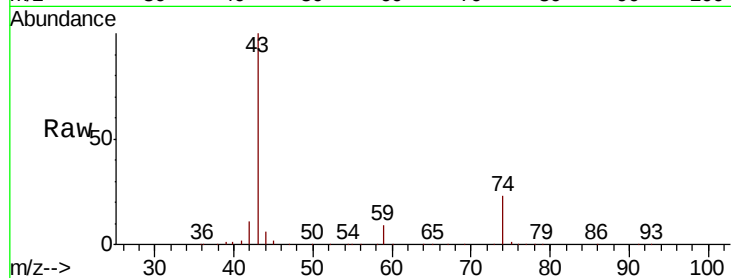




#15
Methyl Acetate
Concen: 24.310 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV011200.D
Acq: 03 Jun 2019 14:14

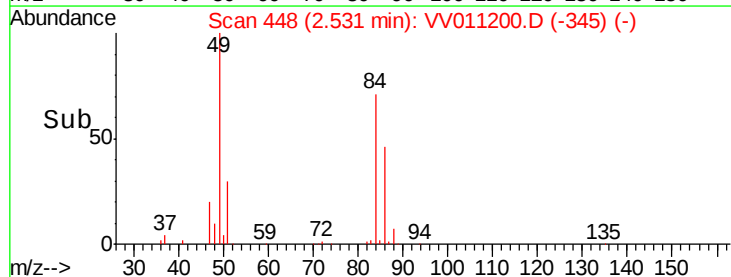
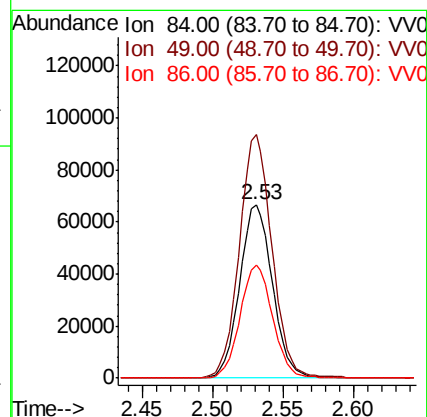
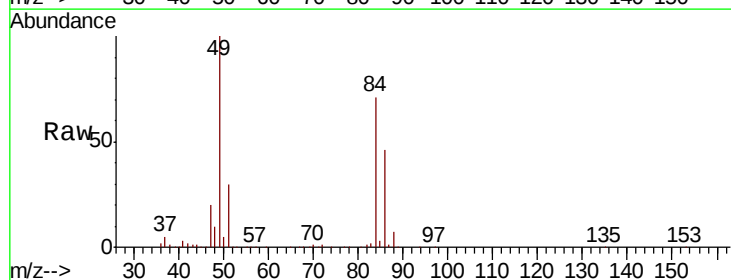
Instrument :
MSVOA_V
ClientSampleId :
VSTD02585

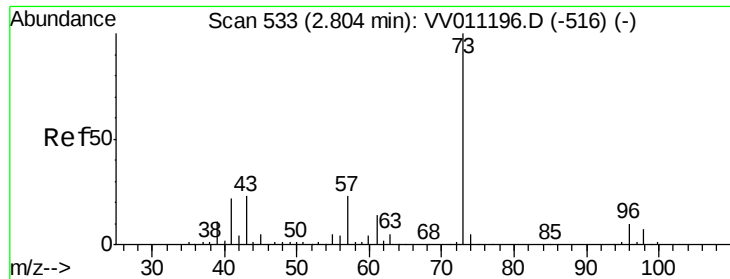
Tgt Ion: 43 Resp: 64105
Ion Ratio Lower Upper
43 100
74 22.5 16.2 24.4



#16
Methylene chloride
Concen: 23.427 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV011200.D
Acq: 03 Jun 2019 14:14

Tgt Ion: 84 Resp: 108753
Ion Ratio Lower Upper
84 100
49 140.1 96.1 178.5
86 64.8 45.0 83.6

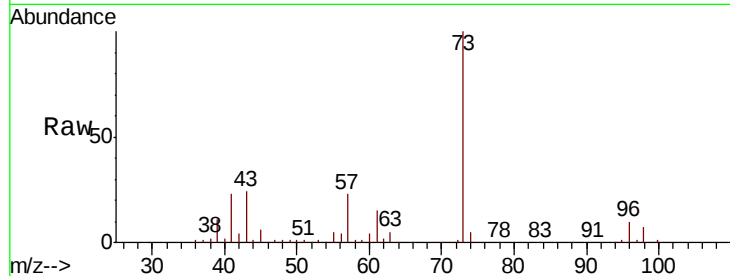




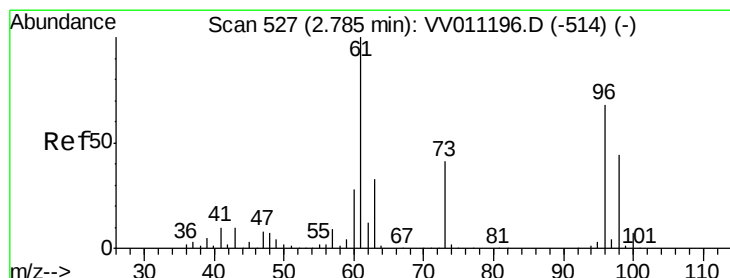
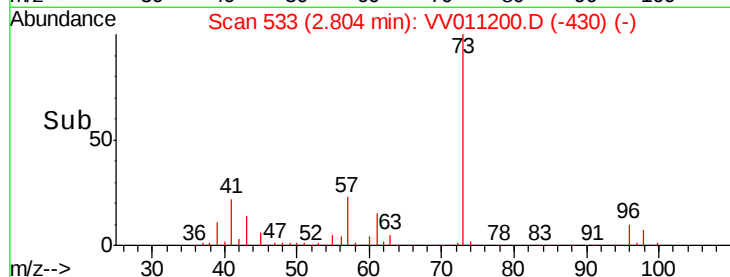
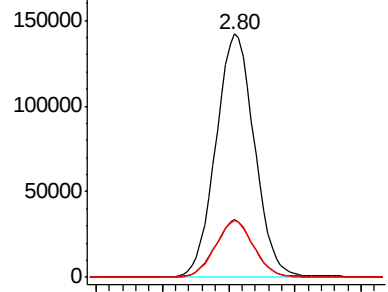
#17
Methyl tert-butyl Ether
Concen: 24.282 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV011200.D
Acq: 03 Jun 2019 14:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD02585

Tgt Ion: 73 Resp: 288142
Ion Ratio Lower Upper
73 100
43 23.1 17.5 26.3
57 23.0 18.2 27.4

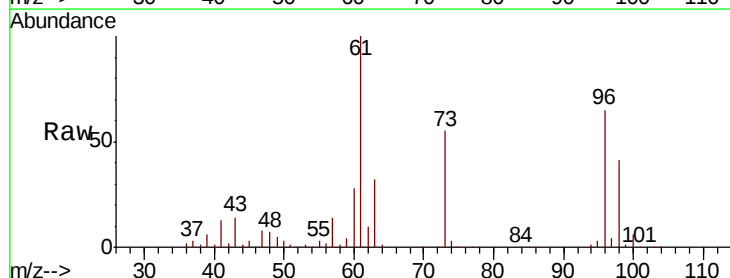


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

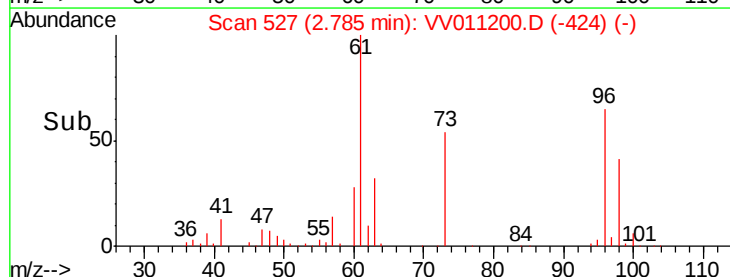
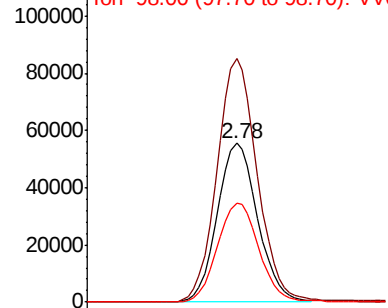


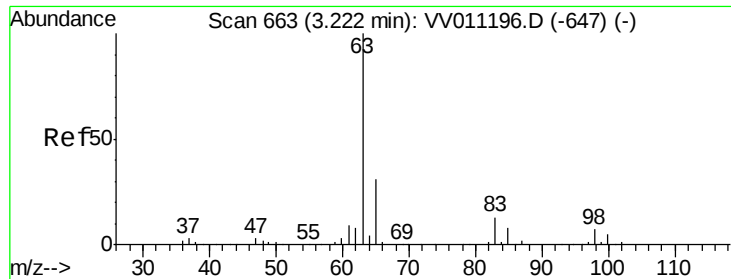
#18
trans-1,2-Dichloroethene
Concen: 22.487 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV011200.D
Acq: 03 Jun 2019 14:14

Tgt Ion: 96 Resp: 93757
Ion Ratio Lower Upper
96 100
61 153.2 102.6 190.5
98 62.1 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

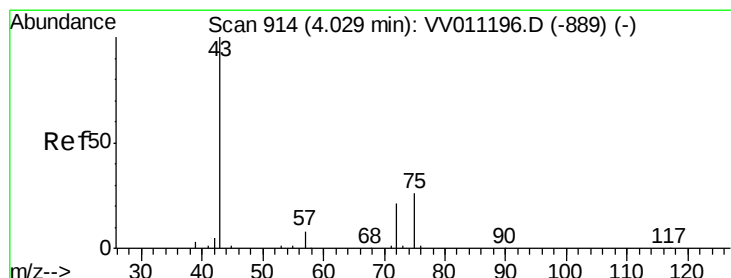
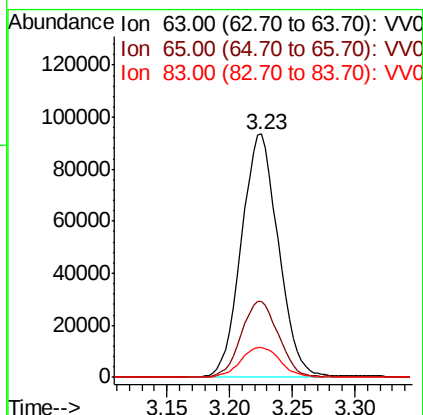
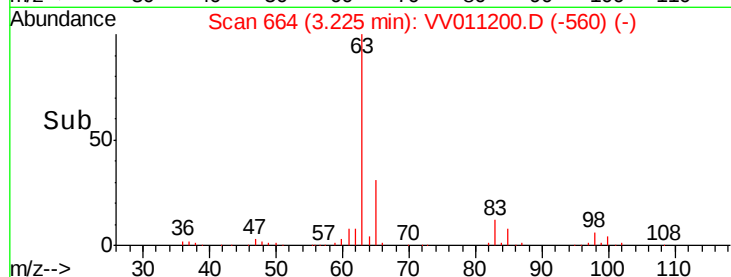
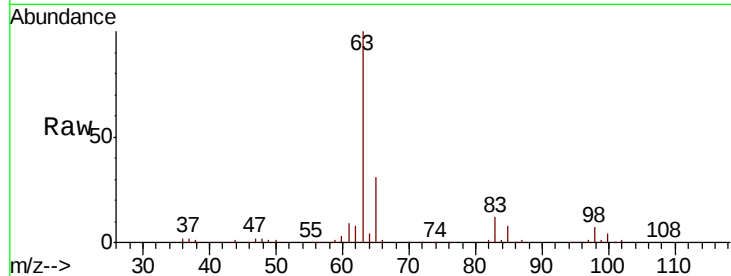




#19
 1,1-Dichloroethane
 Concen: 23.879 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV011200.D
 Acq: 03 Jun 2019 14:14

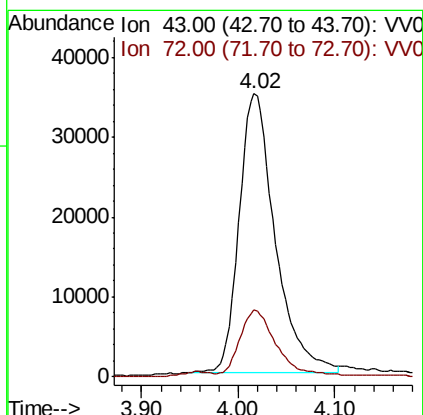
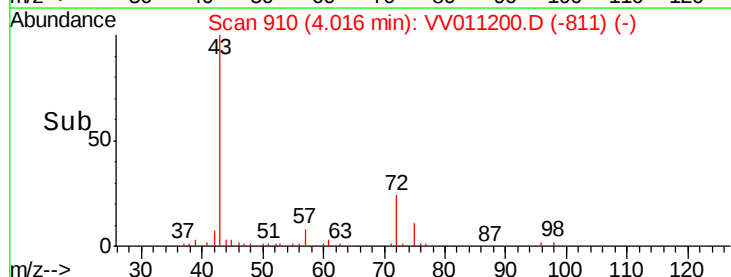
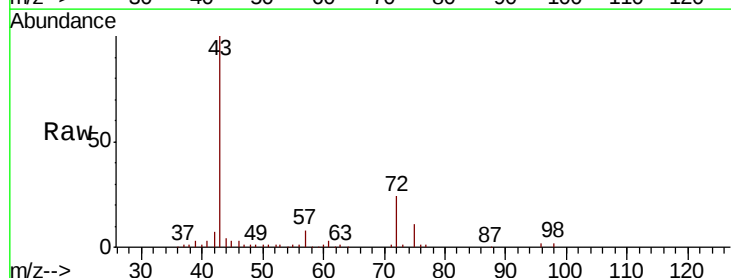
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02585

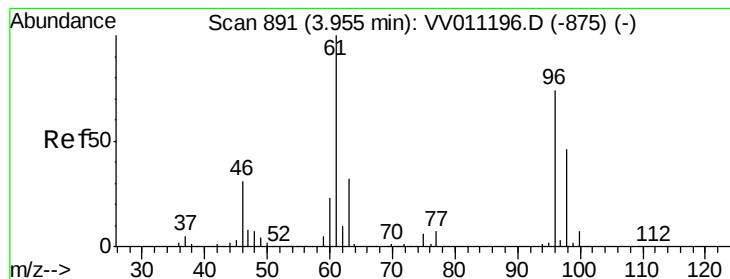
Tgt Ion: 63 Resp: 192643
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.7 42.3
 83 12.4 9.2 17.0



#21
 2-Butanone
 Concen: 44.091 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VV011200.D
 Acq: 03 Jun 2019 14:14

Tgt Ion: 43 Resp: 90651
 Ion Ratio Lower Upper
 43 100
 72 22.6 11.1 33.3



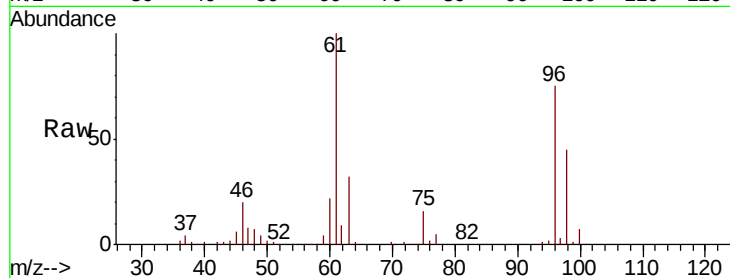


#22

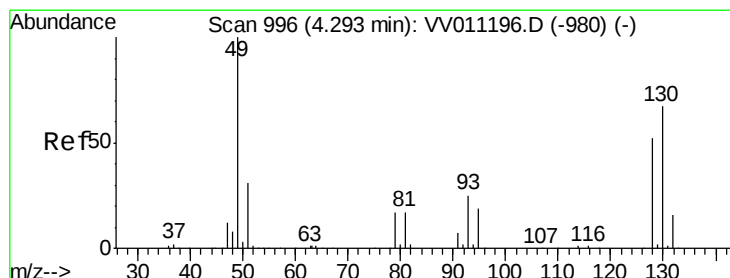
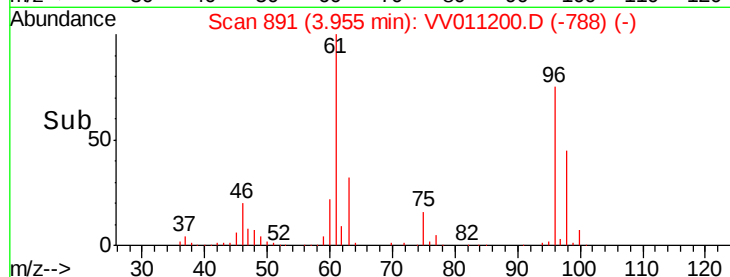
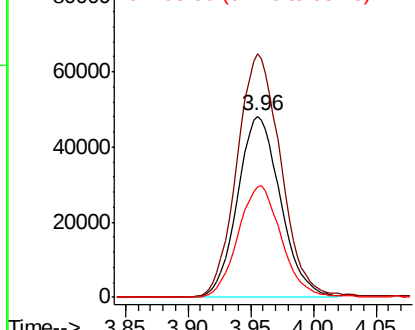
cis-1,2-Dichloroethene
Concen: 24.689 ug/L
RT: 3.96 min Scan# 891
Delta R.T. 0.00 min
Lab File: VV011200.D
Acq: 03 Jun 2019 14:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD02585

Tgt Ion: 96 Resp: 114973
Ion Ratio Lower Upper
96 100
61 134.2 97.4 181.0
98 60.6 45.0 83.6



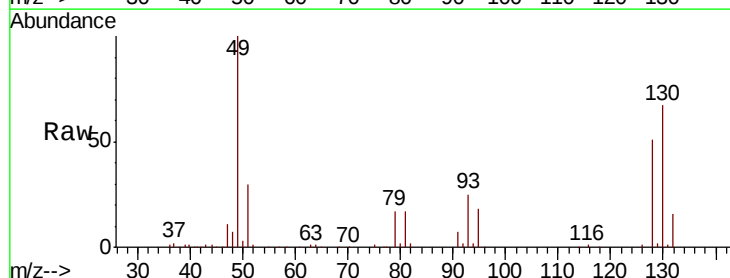
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



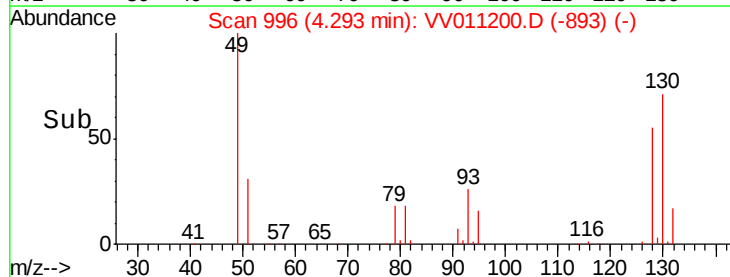
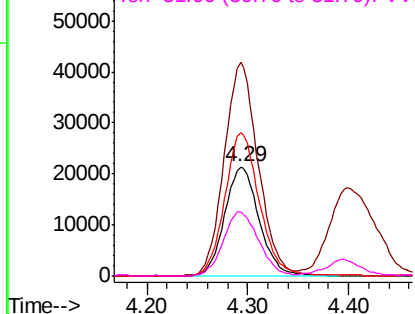
#23

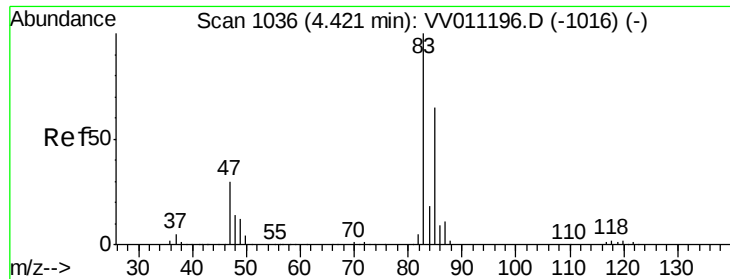
Bromochloromethane
Concen: 24.984 ug/L
RT: 4.29 min Scan# 996
Delta R.T. 0.00 min
Lab File: VV011200.D
Acq: 03 Jun 2019 14:14

Tgt Ion: 128 Resp: 51192
Ion Ratio Lower Upper
128 100
49 195.2 125.4 233.0
130 130.9 83.3 154.7
51 58.2 44.8 67.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

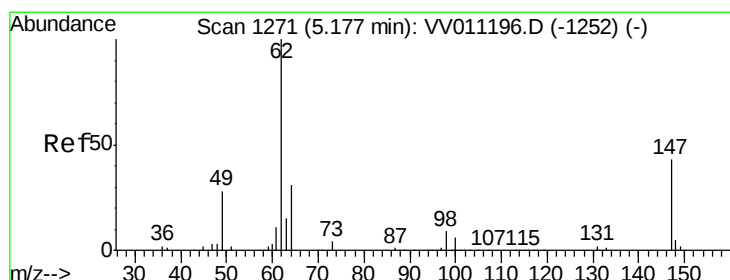
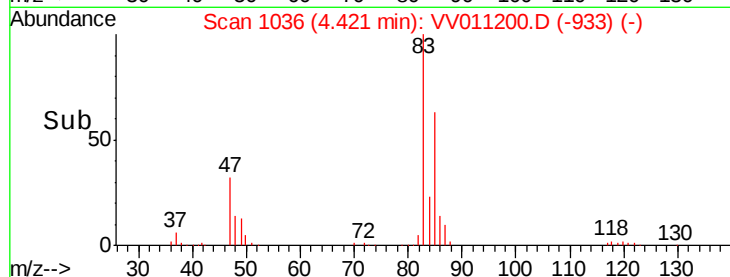
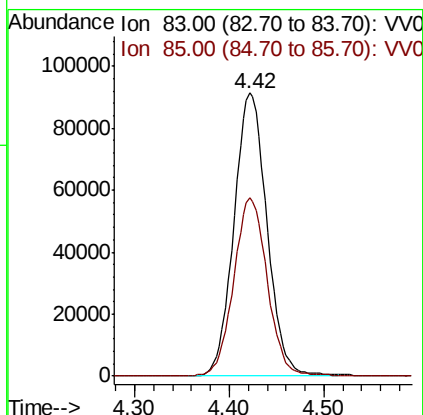
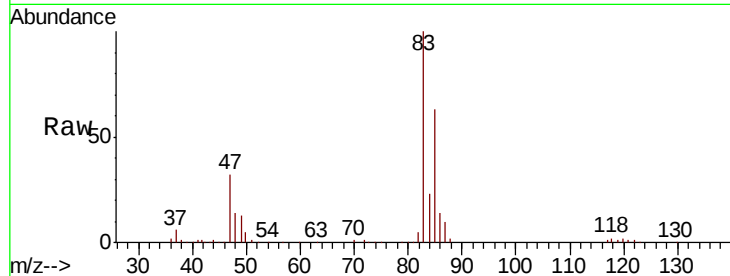




#25
Chloroform
Concen: 25.686 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV011200.D
Acq: 03 Jun 2019 14:14

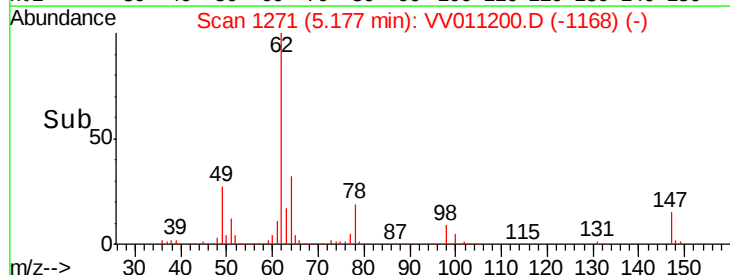
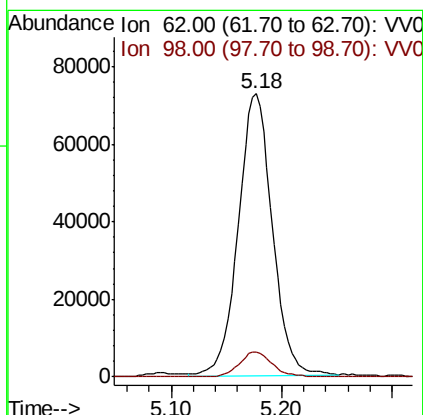
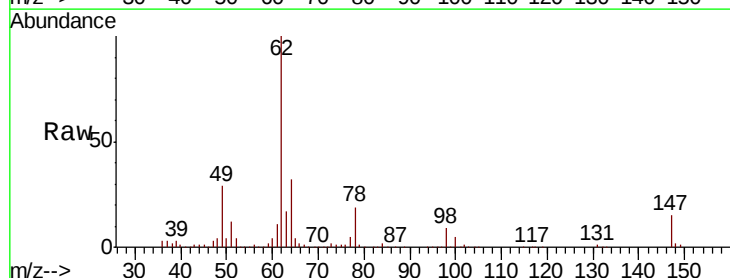
Instrument :
MSVOA_V
ClientSampleId :
VSTD02585

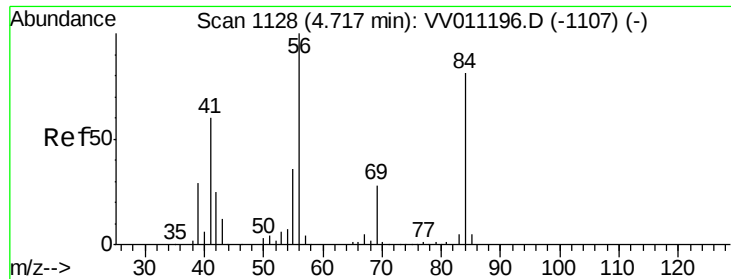
Tgt Ion: 83 Resp: 221388
Ion Ratio Lower Upper
83 100
85 64.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 25.649 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV011200.D
Acq: 03 Jun 2019 14:14

Tgt Ion: 62 Resp: 154802
Ion Ratio Lower Upper
62 100
98 8.7 7.4 11.0

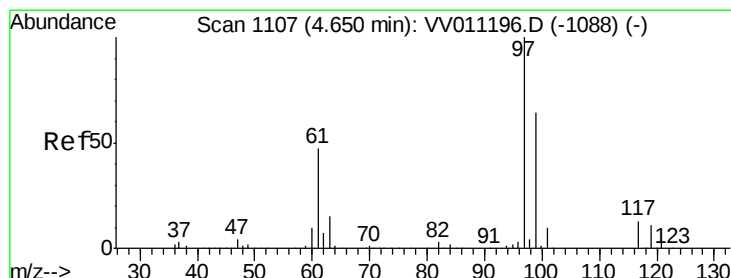
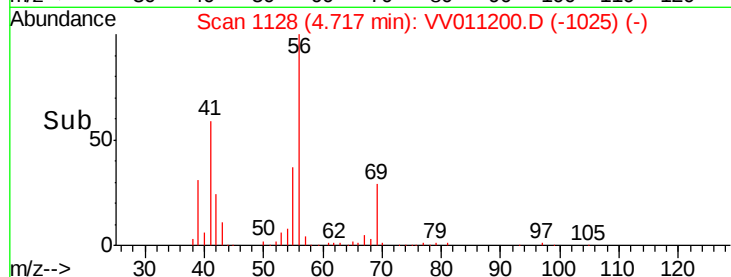
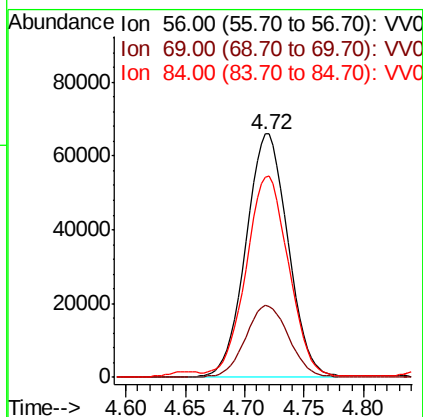
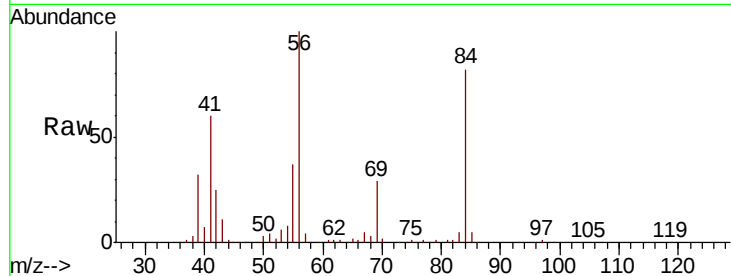




#30
Cyclohexane
Concen: 19.395 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VV011200.D
Acq: 03 Jun 2019 14:14

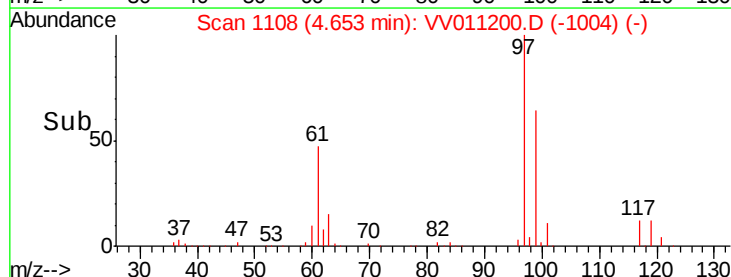
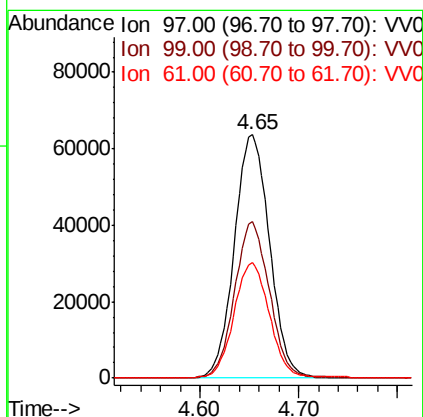
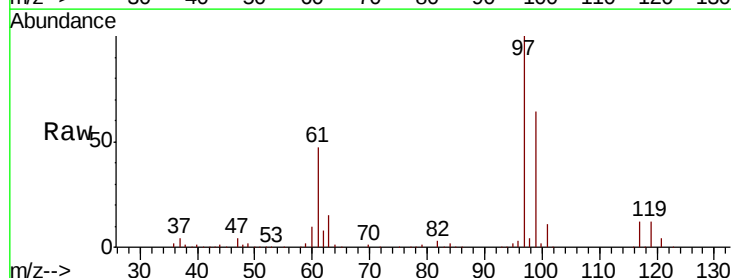
Instrument :
MSVOA_V
ClientSampleId :
VSTD02585

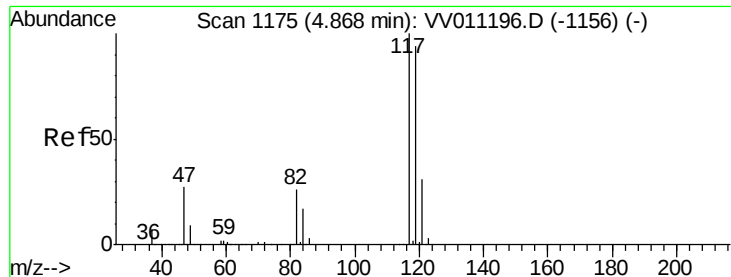
Tgt Ion: 56 Resp: 162219
Ion Ratio Lower Upper
56 100
69 30.3 23.4 35.0
84 82.3 65.8 98.8



#31
1,1,1-Trichloroethane
Concen: 22.091 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV011200.D
Acq: 03 Jun 2019 14:14

Tgt Ion: 97 Resp: 158235
Ion Ratio Lower Upper
97 100
99 63.2 51.3 76.9
61 47.1 38.4 57.6





#32

Carbon tetrachloride

Concen: 21.283 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

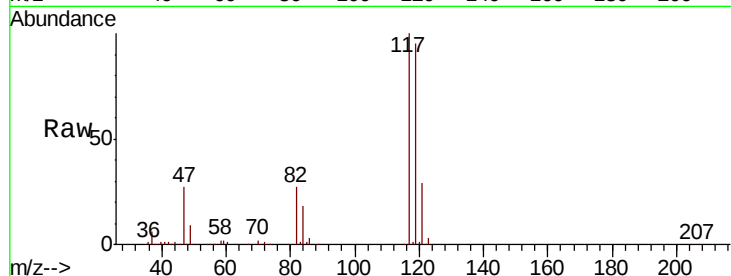
VSTD02585

Tgt Ion:117 Resp: 129240

Ion Ratio Lower Upper

117 100

119 95.7 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.87

60000

50000

40000

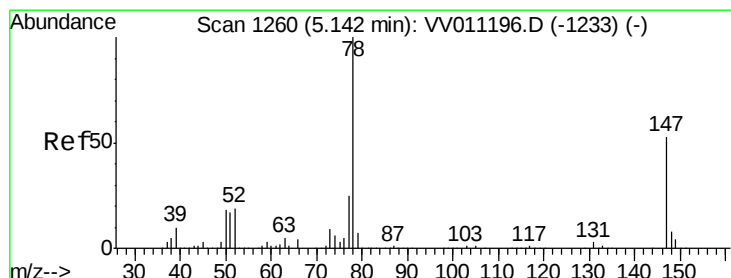
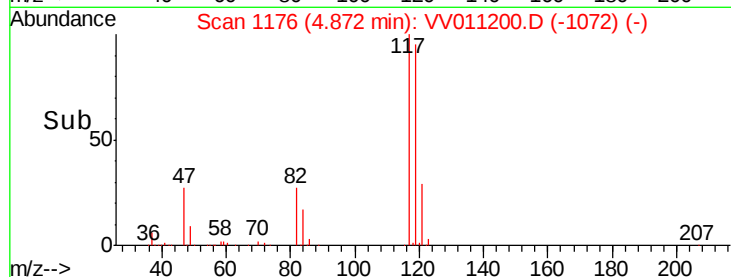
30000

20000

10000

0

Time--> 4.75 4.80 4.85 4.90 4.95



#34

Benzene

Concen: 22.239 ug/L

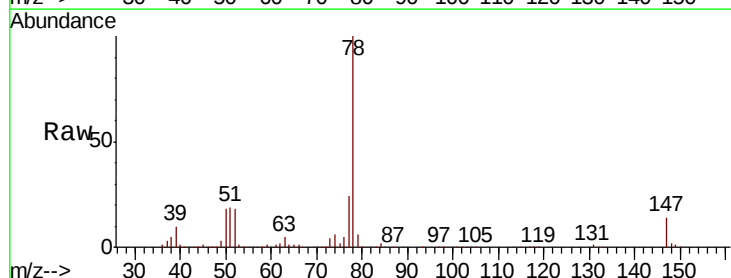
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

Tgt Ion: 78 Resp: 412334



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.14

200000

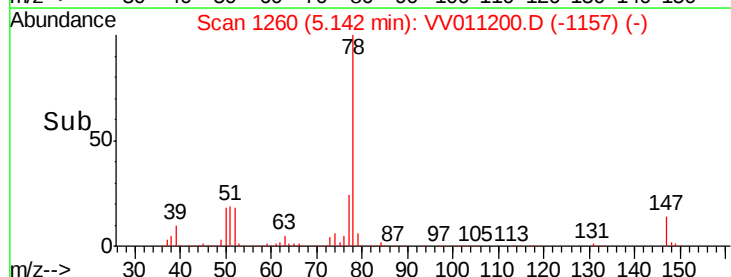
150000

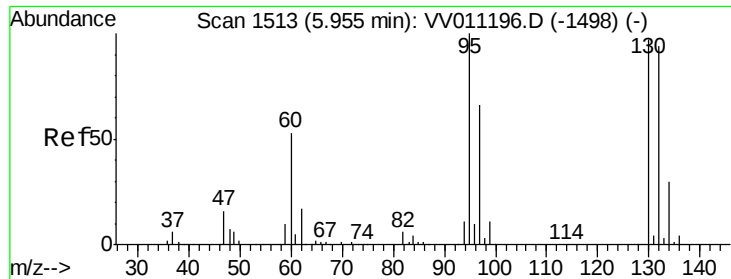
100000

50000

0

Time--> 5.00 5.10 5.20





#35

Trichloroethene

Concen: 22.883 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD02585

Tgt Ion: 95 Resp: 111250

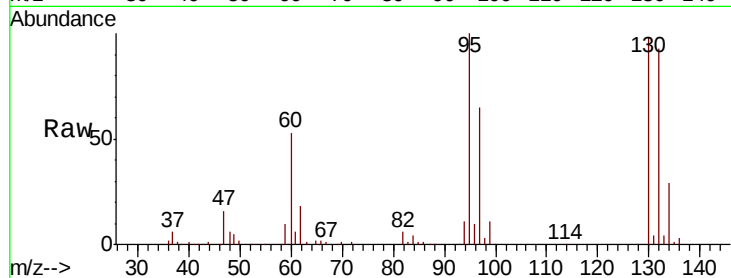
Ion Ratio Lower Upper

95 100

97 63.7 44.4 82.5

132 91.4 66.0 122.6

130 95.4 67.4 125.2

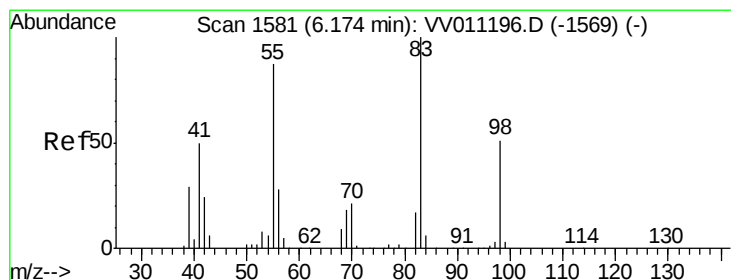
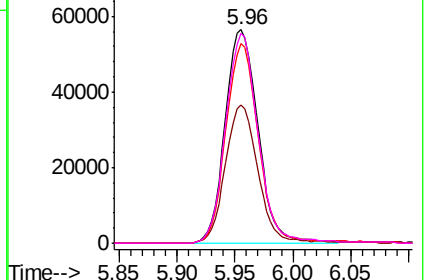
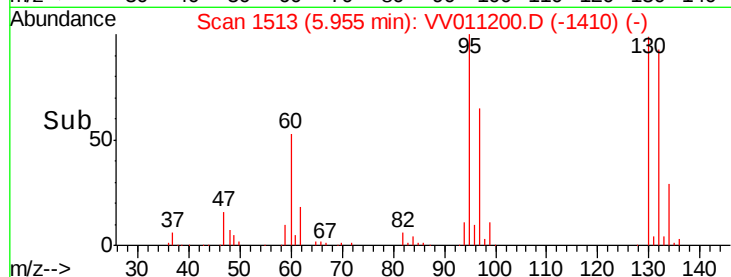


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 19.270 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

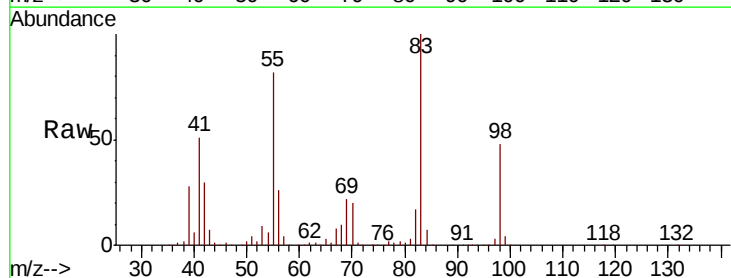
Tgt Ion: 83 Resp: 158543

Ion Ratio Lower Upper

83 100

55 84.5 66.4 99.6

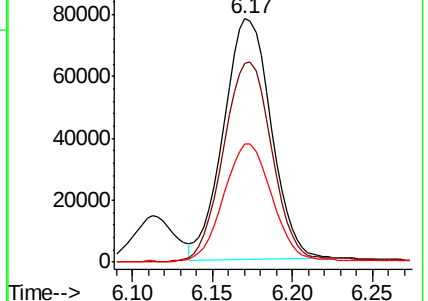
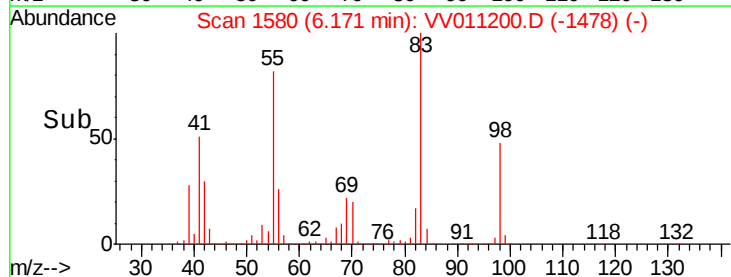
98 49.6 37.9 56.9

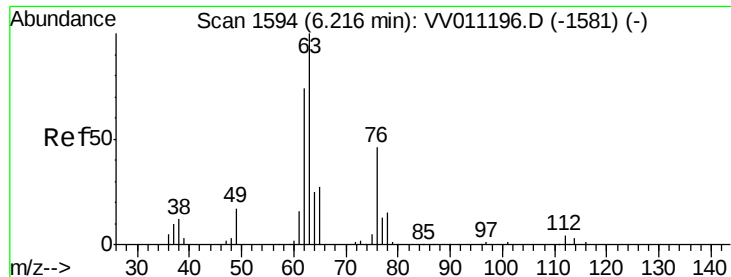


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 22.882 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

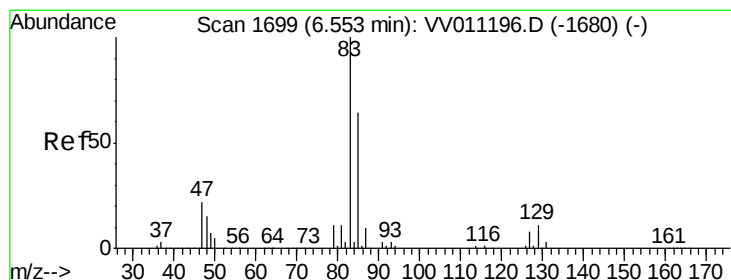
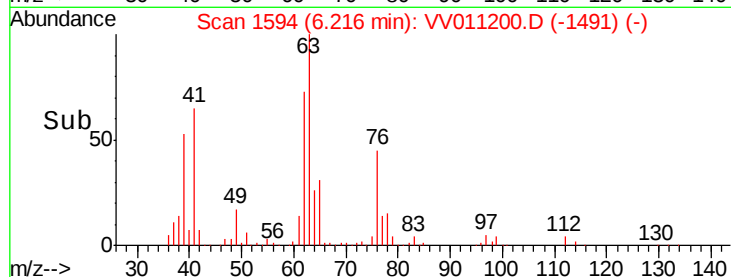
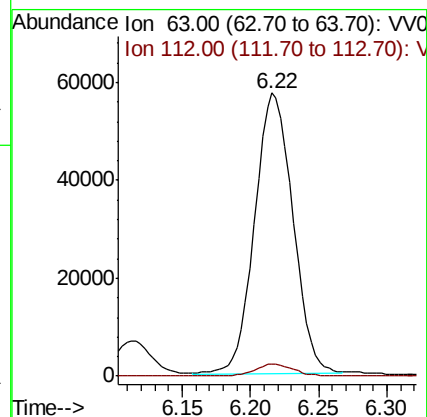
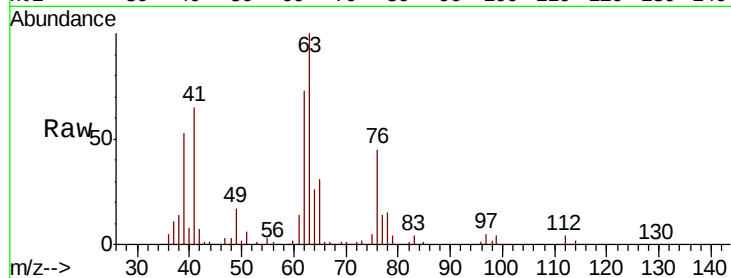
VSTD02585

Tgt Ion: 63 Resp: 111523

Ion Ratio Lower Upper

63 100

112 4.3 3.6 5.4



#41

Bromodichloromethane

Concen: 23.908 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

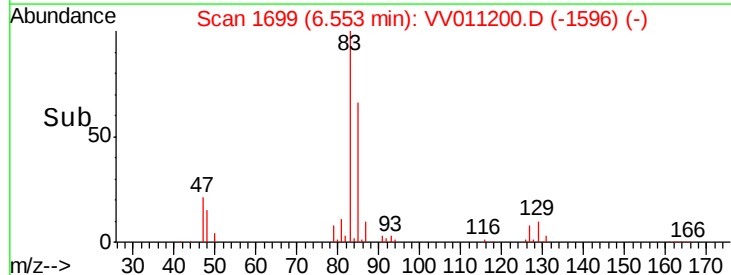
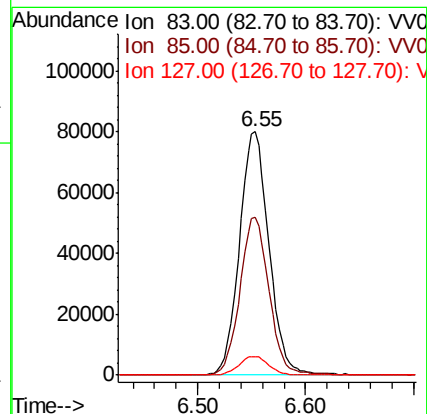
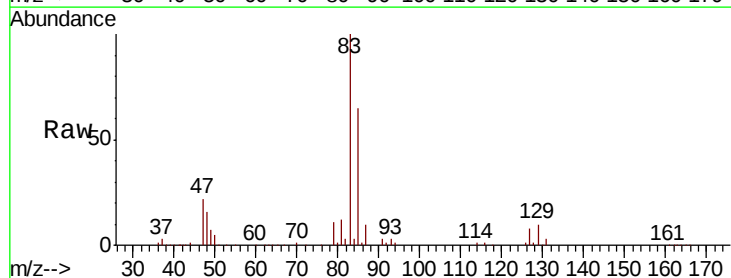
Tgt Ion: 83 Resp: 151777

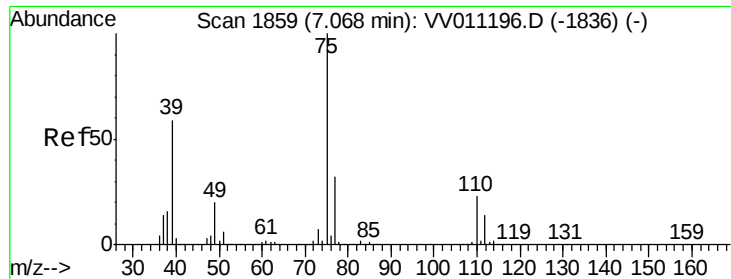
Ion Ratio Lower Upper

83 100

85 65.1 44.1 81.9

127 7.8 6.3 9.5

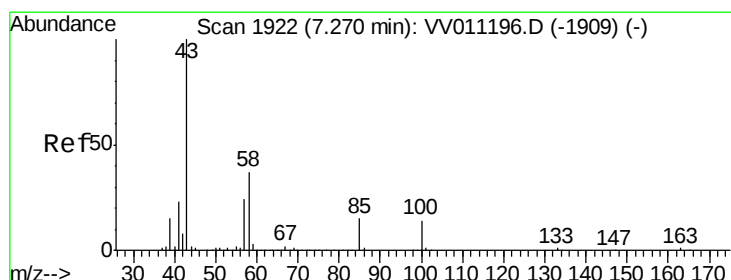
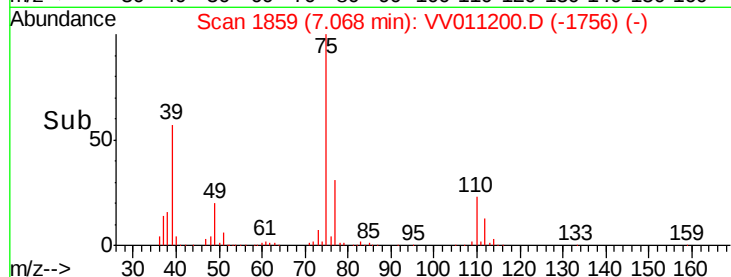
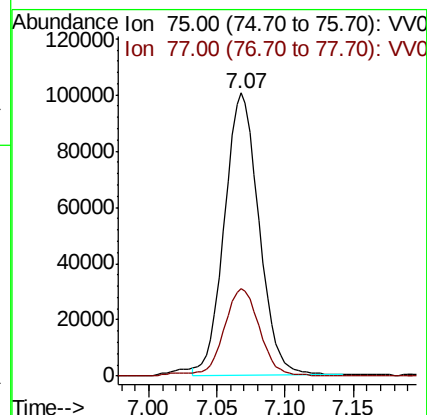
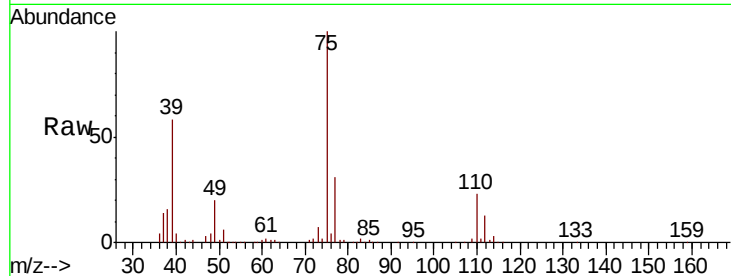




#42
 cis-1,3-Dichloropropene
 Concen: 22.812 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV011200.D
 Acq: 03 Jun 2019 14:14

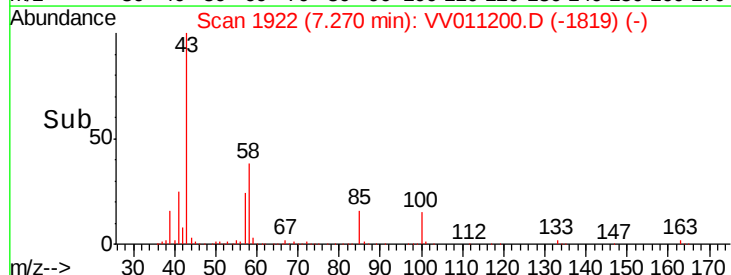
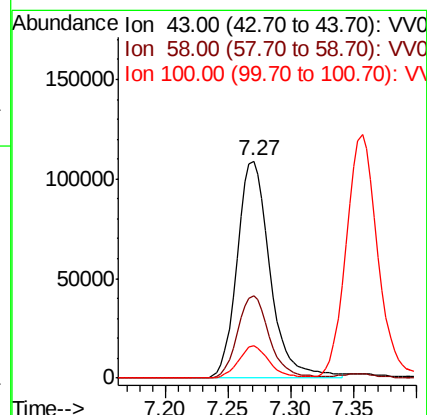
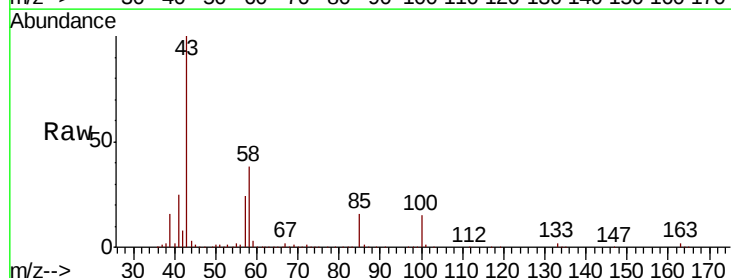
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02585

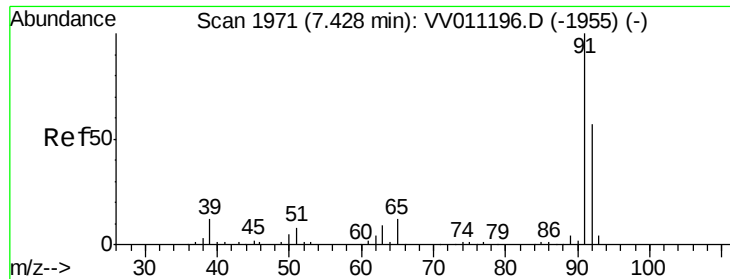
Tgt Ion: 75 Resp: 176766
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.3 39.6



#43
 4-Methyl-2-pentanone
 Concen: 44.721 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV011200.D
 Acq: 03 Jun 2019 14:14

Tgt Ion: 43 Resp: 198012
 Ion Ratio Lower Upper
 43 100
 58 37.2 30.2 45.4
 100 14.0 11.3 16.9





#44

Toluene

Concen: 22.780 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

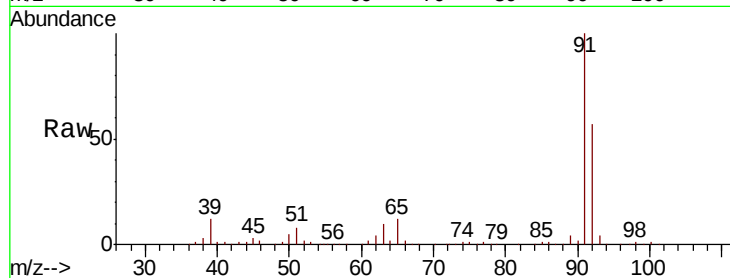
VSTD02585

Tgt Ion: 91 Resp: 461044

Ion Ratio Lower Upper

91 100

92 57.3 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VV011196.D (-1955) (-)

Ion 92.00 (91.70 to 92.70): VV011196.D (-1955) (-)

7.43

250000

200000

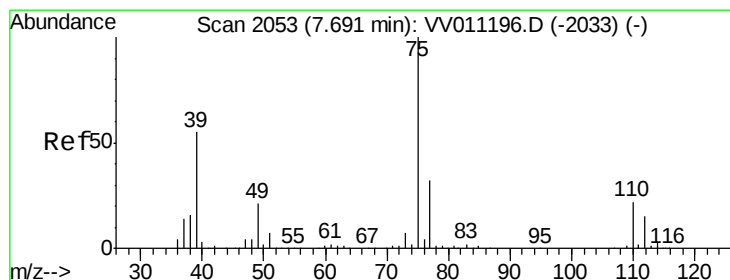
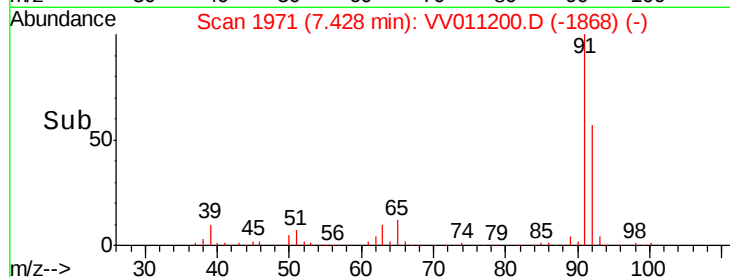
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 23.562 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV011200.D

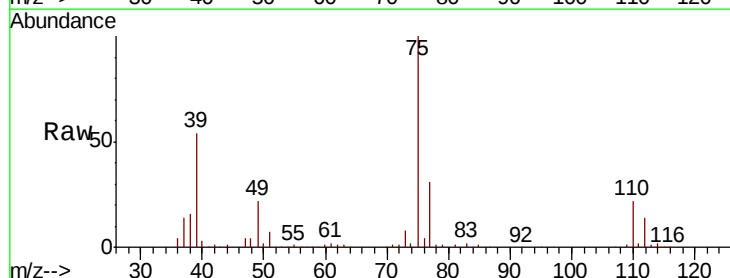
Acq: 03 Jun 2019 14:14

Tgt Ion: 75 Resp: 155832

Ion Ratio Lower Upper

75 100

77 30.9 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VV011196.D (-2033) (-)

Ion 77.00 (76.70 to 77.70): VV011196.D (-2033) (-)

7.69

100000

80000

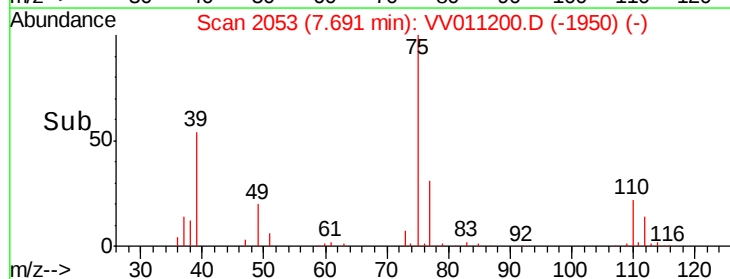
60000

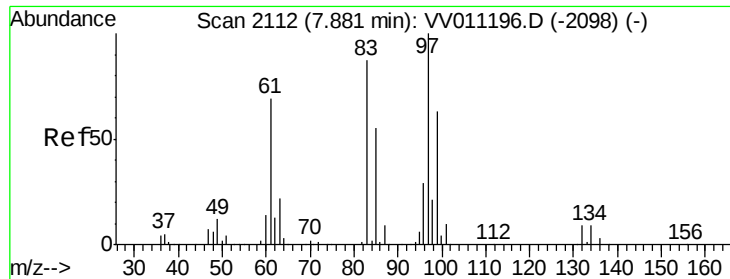
40000

20000

0

Time-->

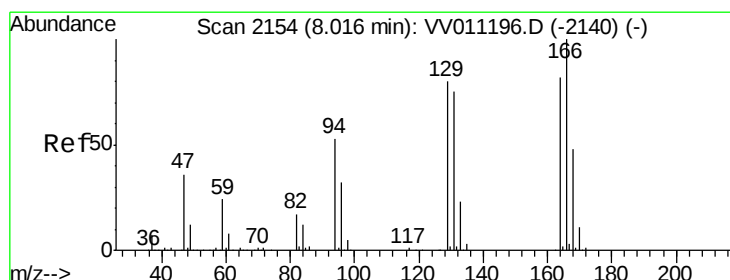
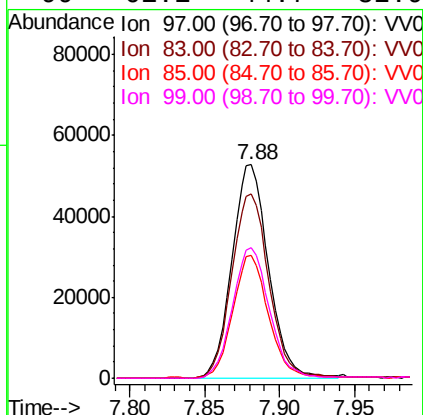
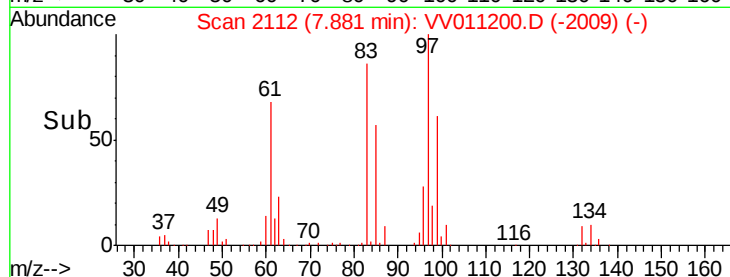
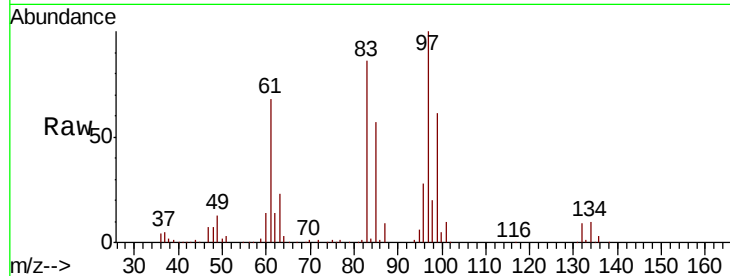




#46
 1,1,2-Trichloroethane
 Concen: 23.657 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV011200.D
 Acq: 03 Jun 2019 14:14

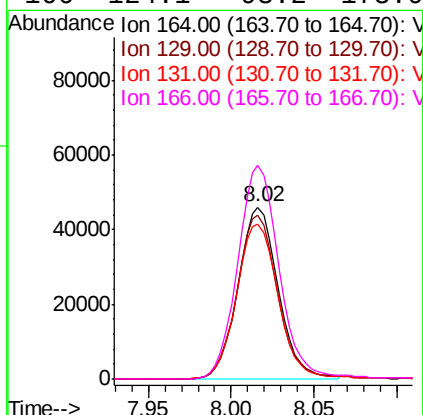
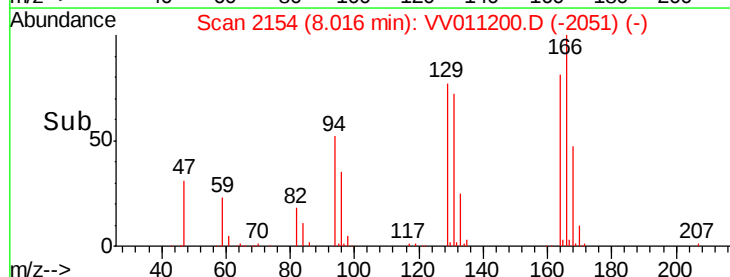
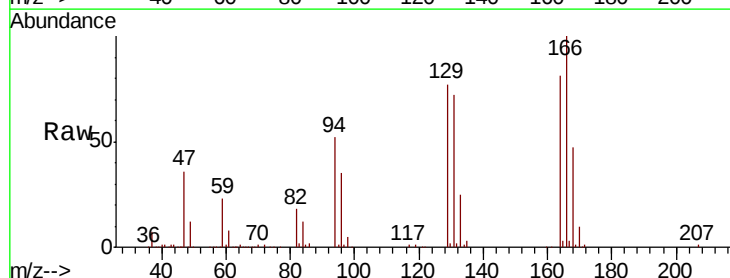
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02585

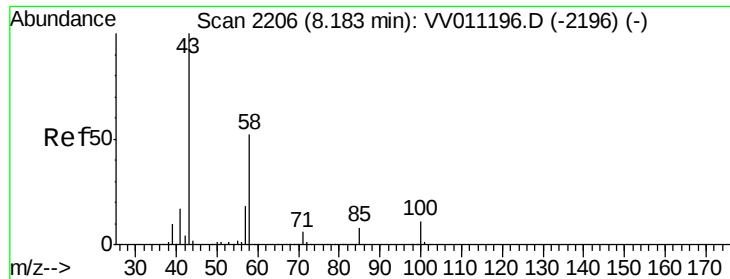
Tgt Ion:	97	Resp:	89936
Ion	Ratio	Lower	Upper
97	100		
83	86.2	61.9	115.1
85	57.3	38.6	71.8
99	61.1	44.7	82.9



#47
 Tetrachloroethene
 Concen: 21.544 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011200.D
 Acq: 03 Jun 2019 14:14

Tgt Ion:	164	Resp:	77617
Ion	Ratio	Lower	Upper
164	100		
129	95.1	69.1	128.3
131	90.0	65.5	121.6
166	124.1	93.2	173.0

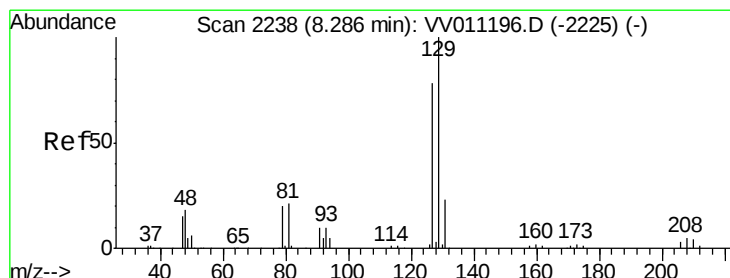
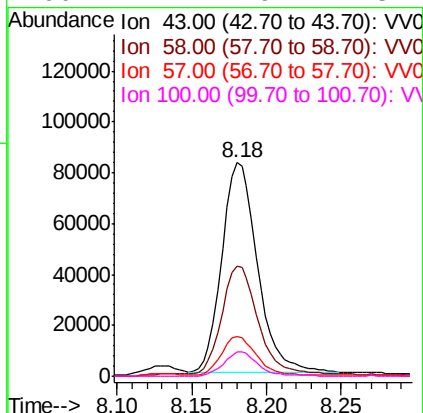
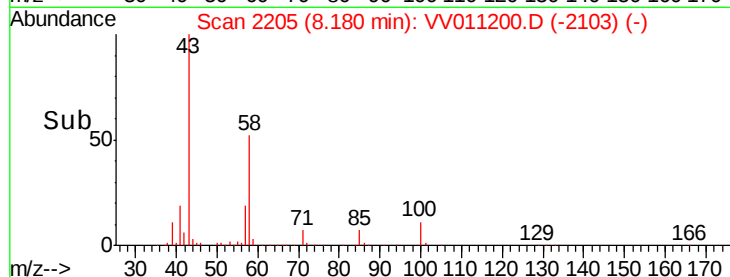
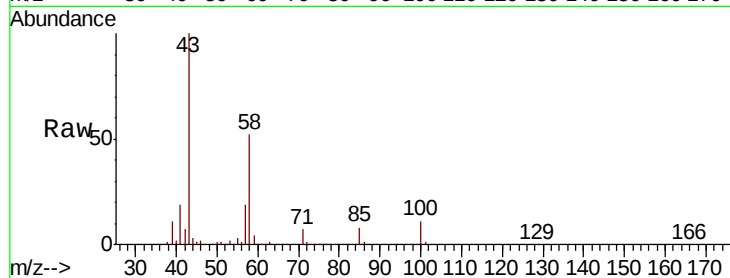




#49
2-Hexanone
Concen: 43.092 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV011200.D
Acq: 03 Jun 2019 14:14

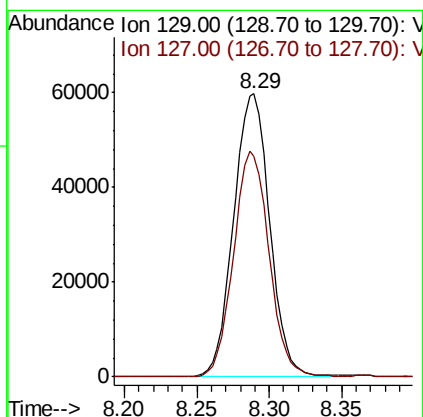
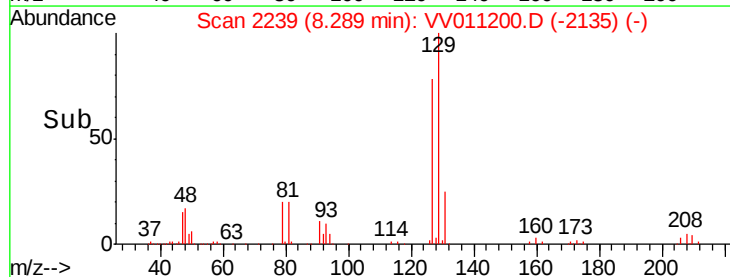
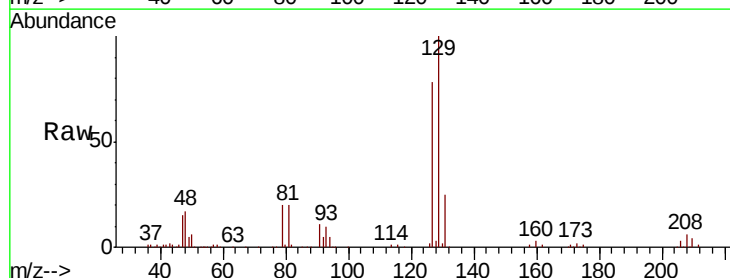
Instrument :
MSVOA_V
ClientSampleId :
VSTD02585

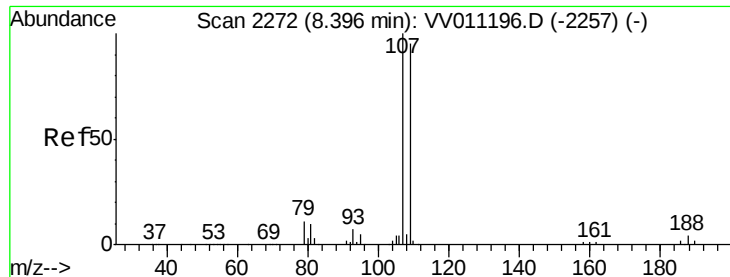
Tgt Ion: 43 Resp: 137472
Ion Ratio Lower Upper
43 100
58 54.5 41.2 61.8
57 17.9 14.3 21.5
100 11.4 9.1 13.7



#50
Dibromochloromethane
Concen: 24.134 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011200.D
Acq: 03 Jun 2019 14:14

Tgt Ion: 129 Resp: 103686
Ion Ratio Lower Upper
129 100
127 78.1 53.8 99.8

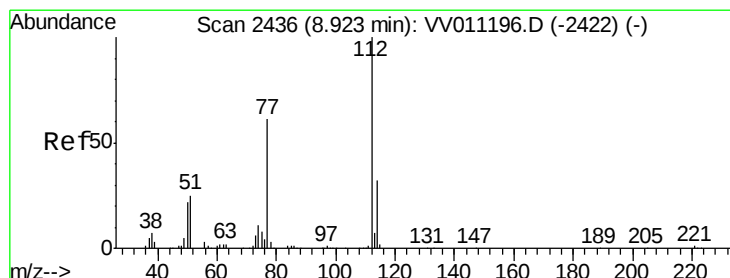
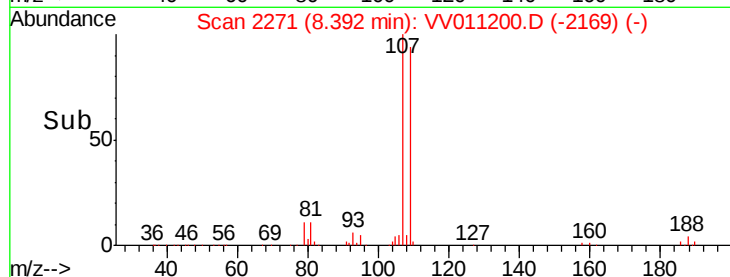
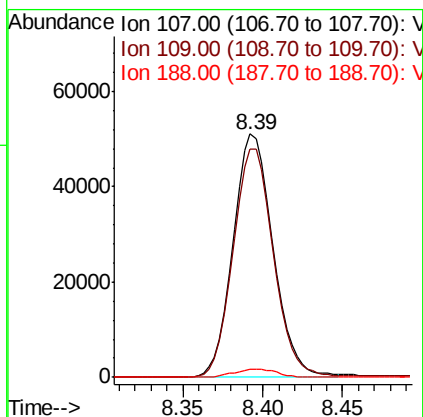
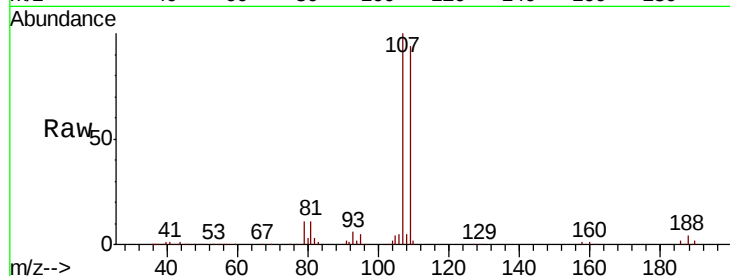




#51
 1,2-Dibromoethane
 Concen: 23.591 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VV011200.D
 Acq: 03 Jun 2019 14:14

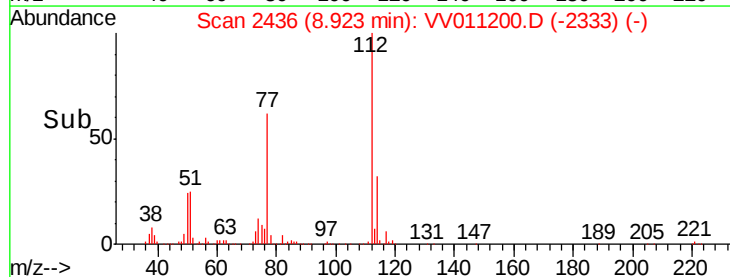
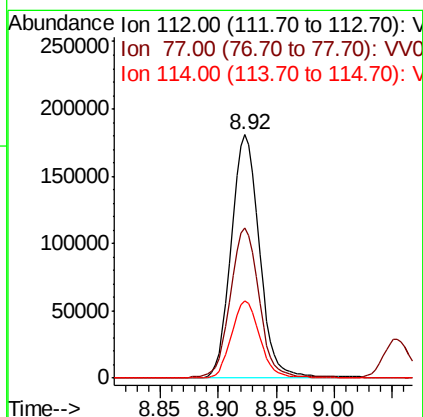
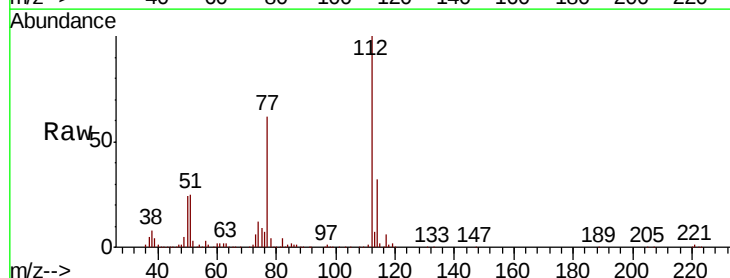
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02585

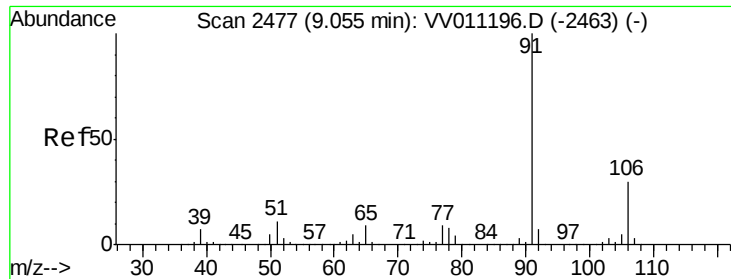
Tgt Ion:107 Resp: 86982
 Ion Ratio Lower Upper
 107 100
 109 93.8 65.5 121.7
 188 3.5 2.6 3.8



#52
 Chlorobenzene
 Concen: 23.506 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV011200.D
 Acq: 03 Jun 2019 14:14

Tgt Ion:112 Resp: 304536
 Ion Ratio Lower Upper
 112 100
 77 61.5 50.8 76.2
 114 31.9 22.6 42.0





#53

Ethylbenzene

Concen: 22.747 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

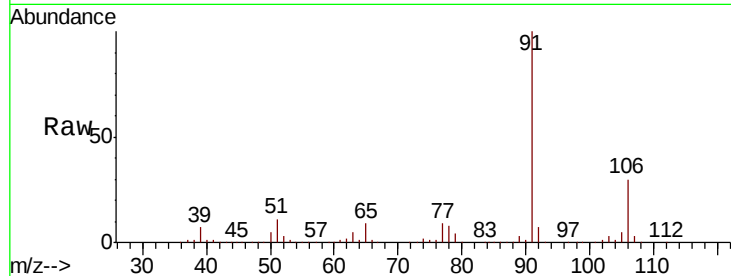
VSTD02585

Tgt Ion: 91 Resp: 528253

Ion Ratio Lower Upper

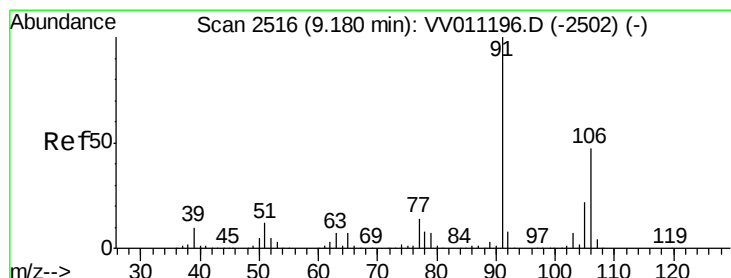
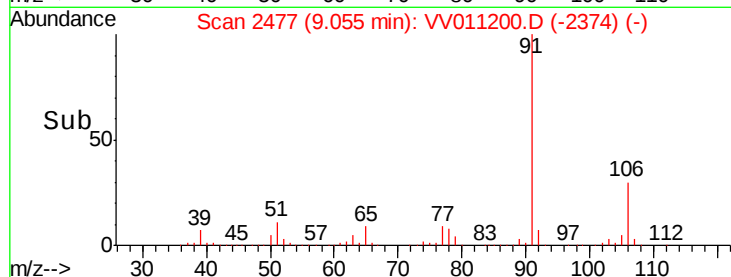
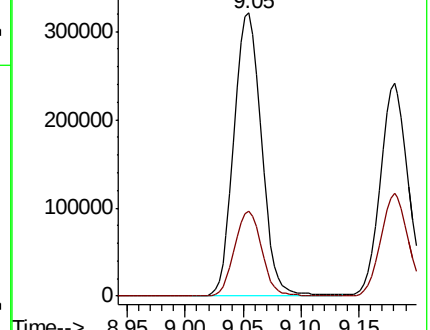
91 100

106 30.1 21.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VV011196.D (-2463) (-)

Ion 106.00 (105.70 to 106.70): VV011196.D (-2463) (-)



#54

m,p-Xylene

Concen: 22.828 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011200.D

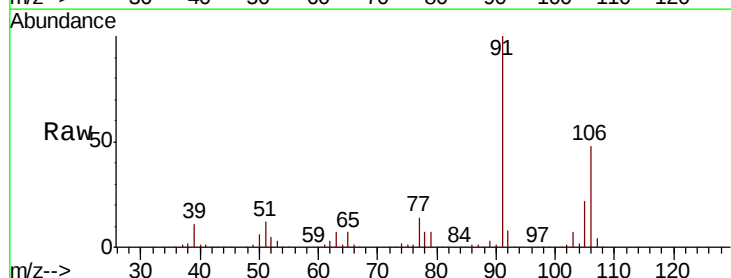
Acq: 03 Jun 2019 14:14

Tgt Ion: 106 Resp: 197186

Ion Ratio Lower Upper

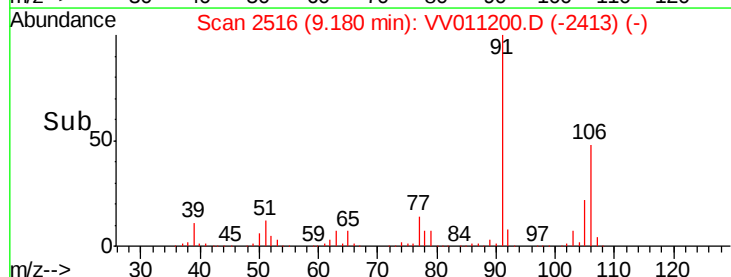
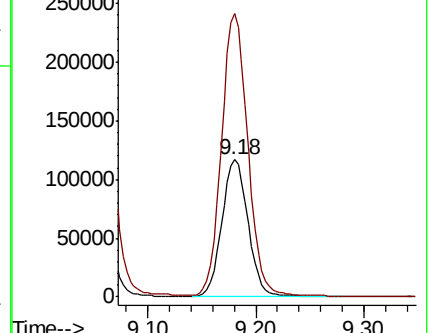
106 100

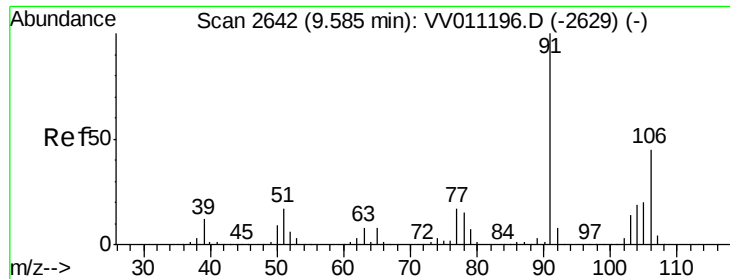
91 206.2 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VV011196.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV011196.D (-2502) (-)





#55

o-xylene

Concen: 23.359 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

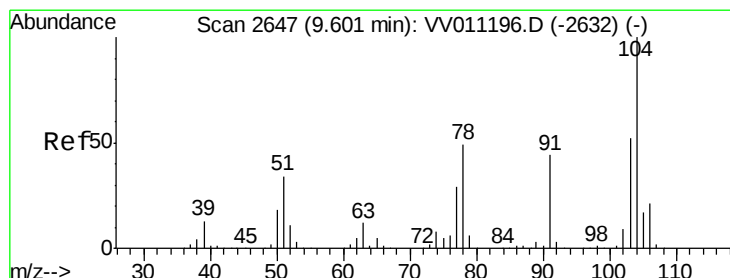
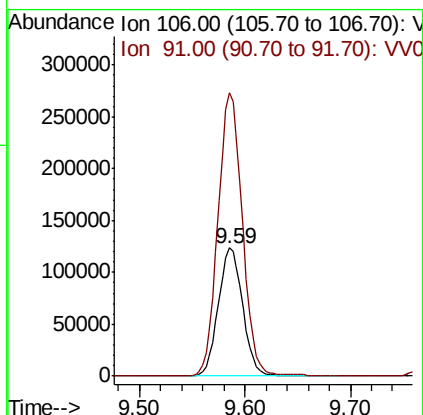
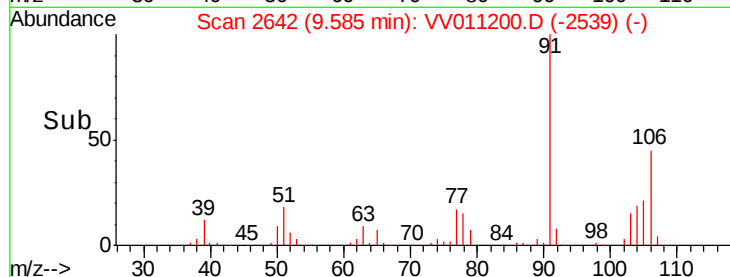
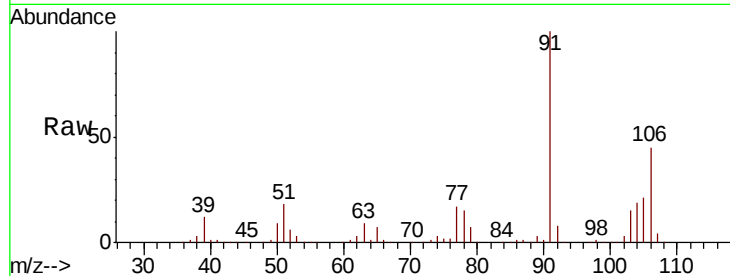
VSTD02585

Tgt Ion:106 Resp: 198446

Ion Ratio Lower Upper

106 100

91 221.2 156.4 290.6



#56

Styrene

Concen: 24.019 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV011200.D

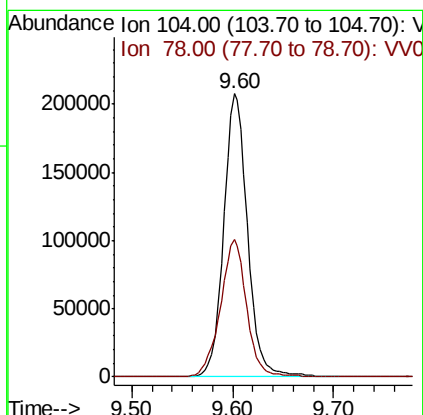
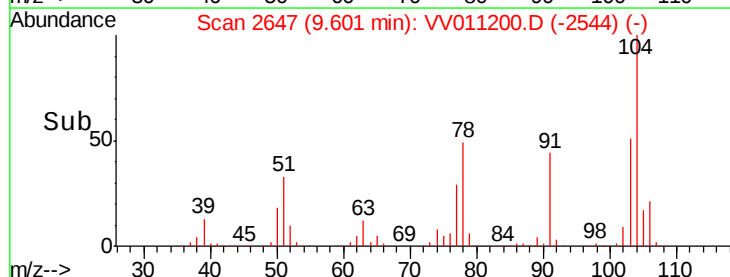
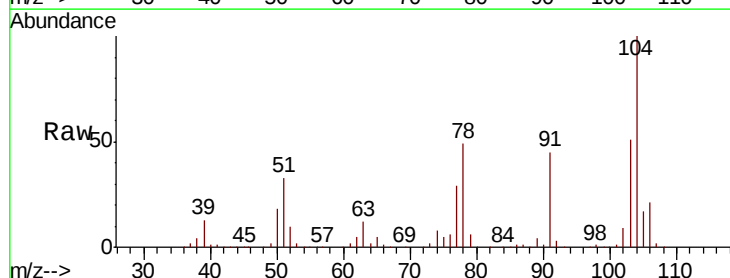
Acq: 03 Jun 2019 14:14

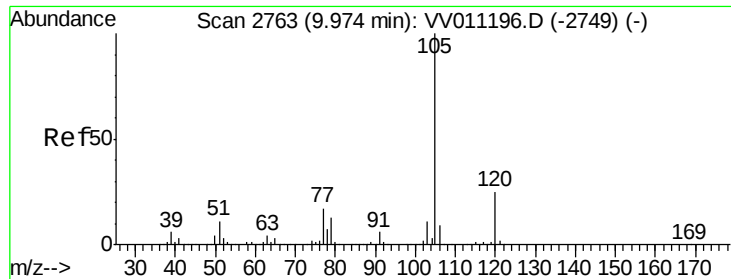
Tgt Ion:104 Resp: 342752

Ion Ratio Lower Upper

104 100

78 48.5 32.3 60.1





#57

Isopropylbenzene

Concen: 22.447 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD02585

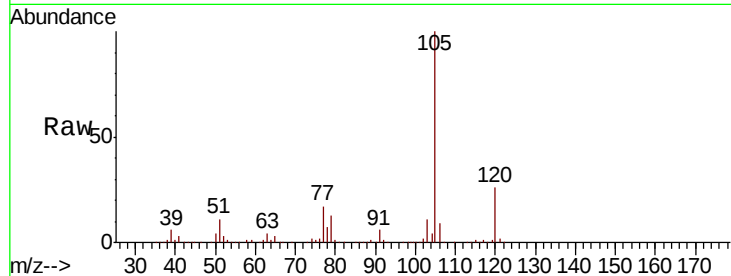
Tgt Ion: 105 Resp: 509195

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

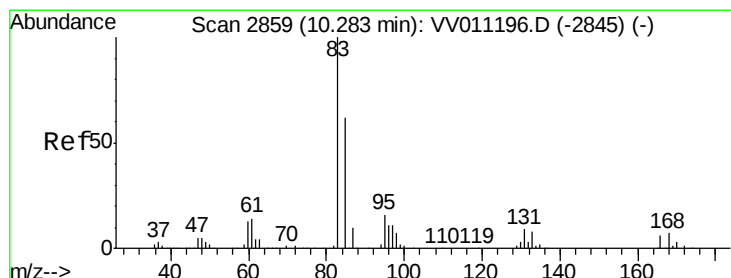
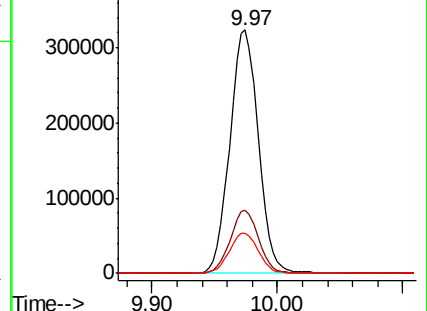
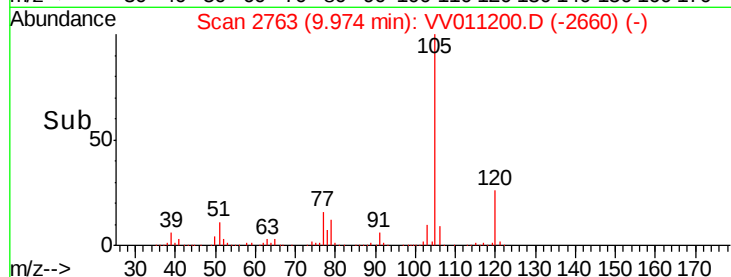
77 17.0 13.3 19.9



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: 22.458 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

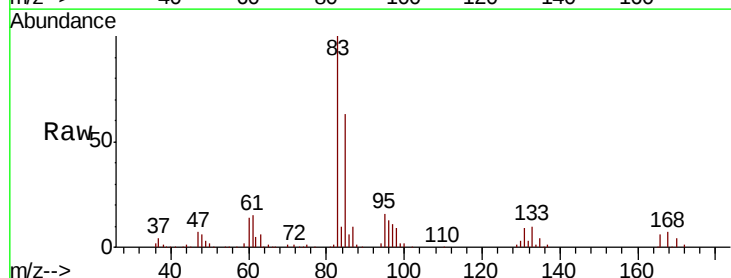
Tgt Ion: 83 Resp: 116016

Ion Ratio Lower Upper

83 100

85 63.0 44.4 82.4

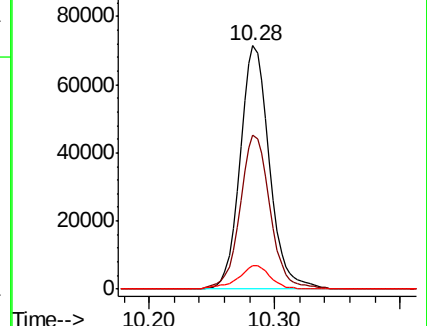
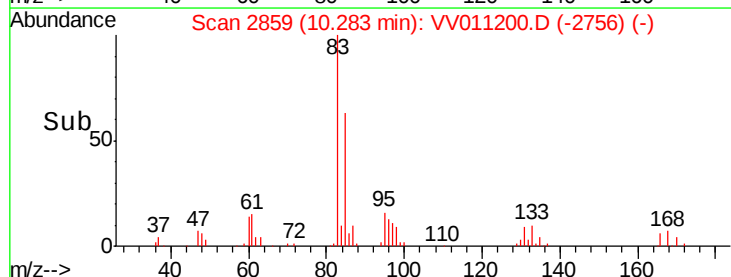
131 9.4 7.5 11.3

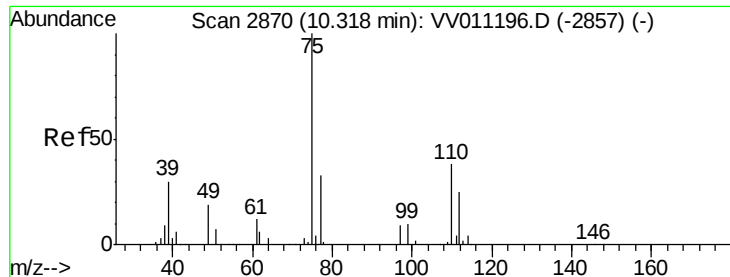


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.917 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

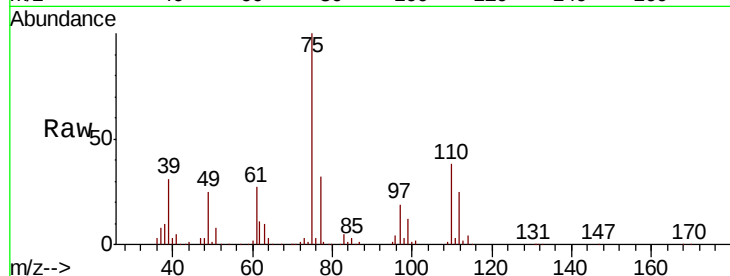
VSTD02585

Tgt Ion: 75 Resp: 93425

Ion Ratio Lower Upper

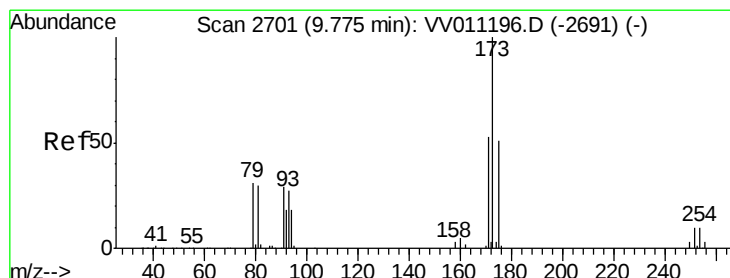
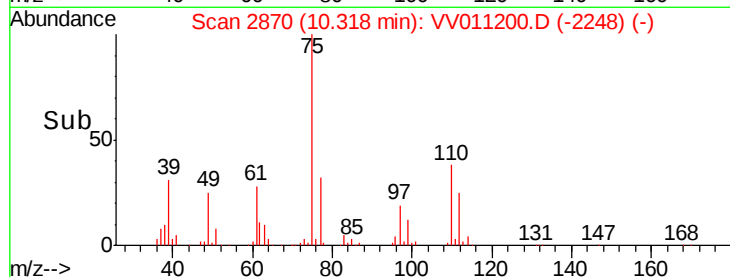
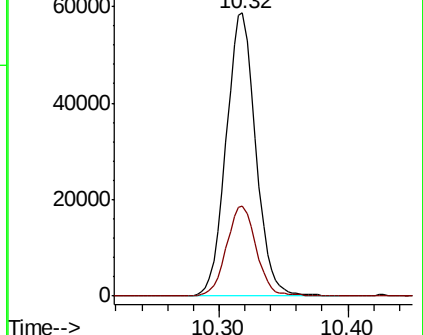
75 100

77 31.7 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV011196.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV011196.D (-2857) (-)



#62

Bromoform

Concen: 24.230 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

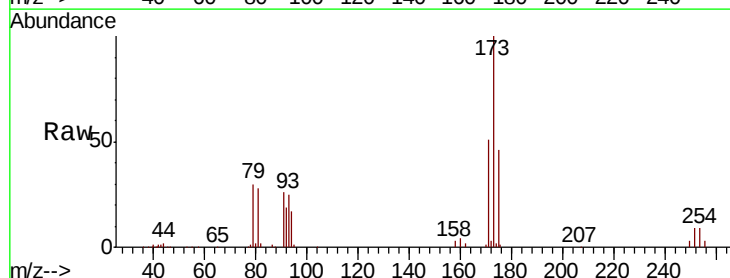
Tgt Ion: 173 Resp: 57747

Ion Ratio Lower Upper

173 100

175 46.9 38.1 57.1

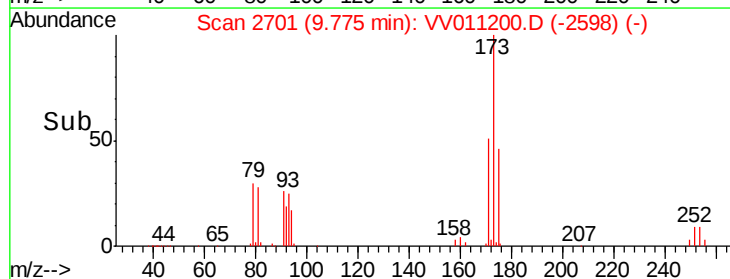
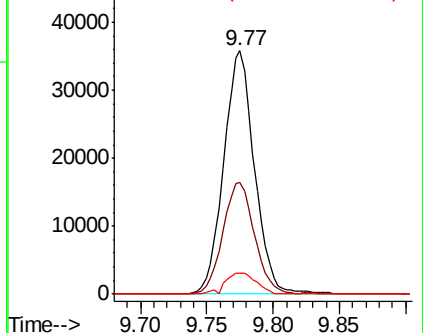
254 8.2 6.9 10.3

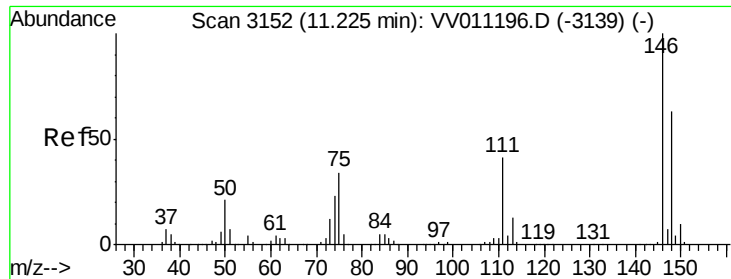


Abundance Ion 173.00 (172.70 to 173.70): VV011196.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VV011196.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VV011196.D (-2691) (-)

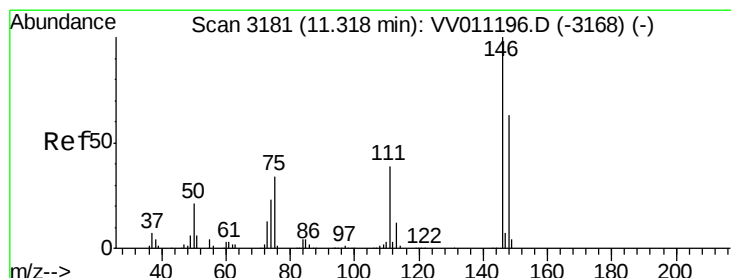
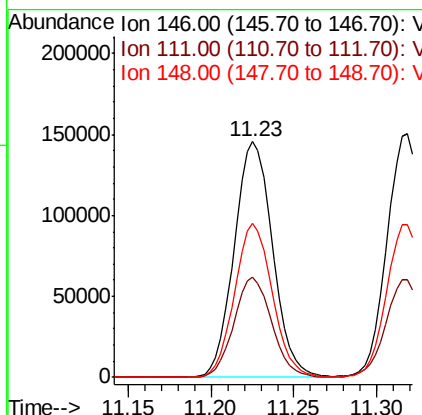
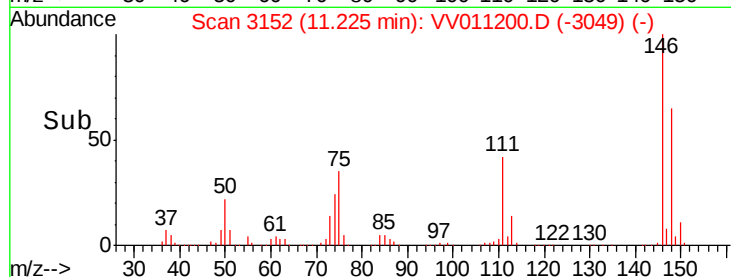
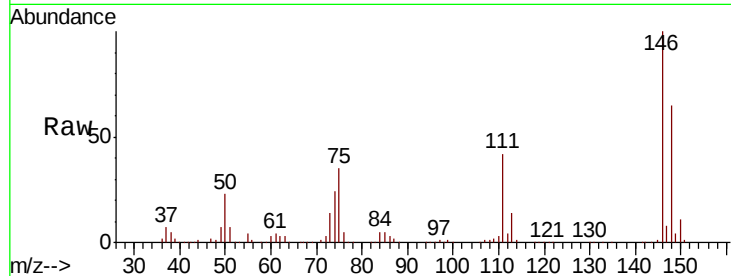




#63
 1,3-Dichlorobenzene
 Concen: 23.731 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011200.D
 Acq: 03 Jun 2019 14:14

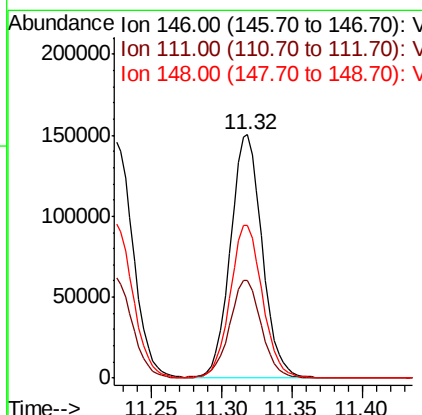
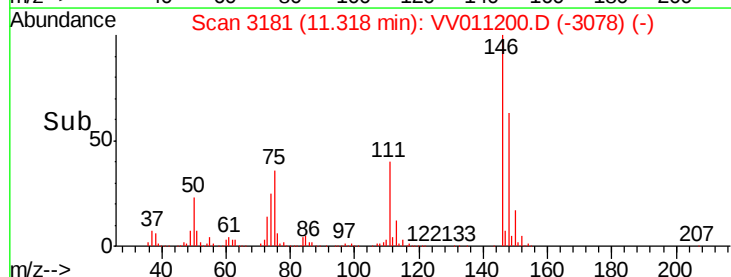
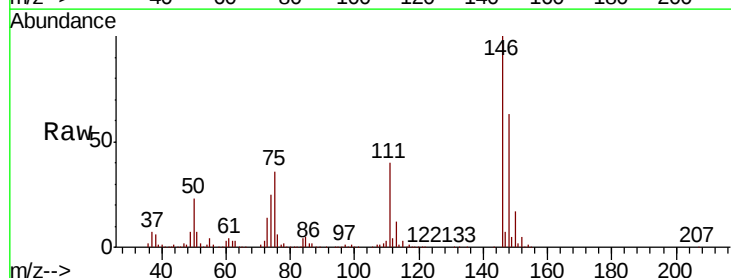
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02585

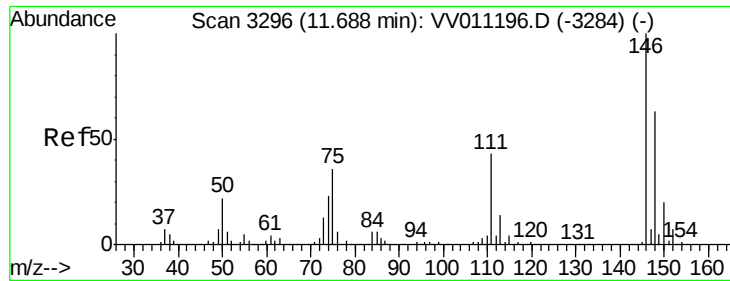
Tgt Ion:146 Resp: 235008
 Ion Ratio Lower Upper
 146 100
 111 42.4 29.9 55.5
 148 65.5 45.4 84.2



#64
 1,4-Dichlorobenzene
 Concen: 23.520 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011200.D
 Acq: 03 Jun 2019 14:14

Tgt Ion:146 Resp: 236355
 Ion Ratio Lower Upper
 146 100
 111 40.2 27.4 51.0
 148 62.8 43.7 81.1





#65

1,2-Dichlorobenzene

Concen: 24.005 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD02585

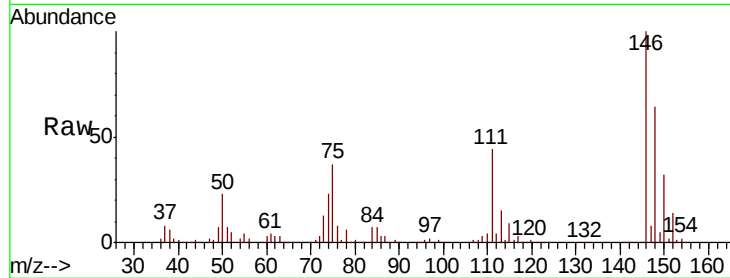
Tgt Ion:146 Resp: 225070

Ion Ratio Lower Upper

146 100

111 44.0 34.8 52.2

148 64.3 51.0 76.6

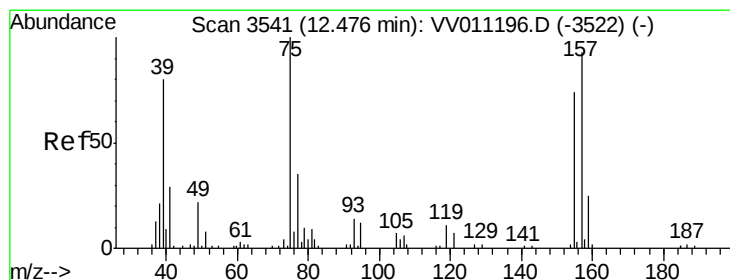
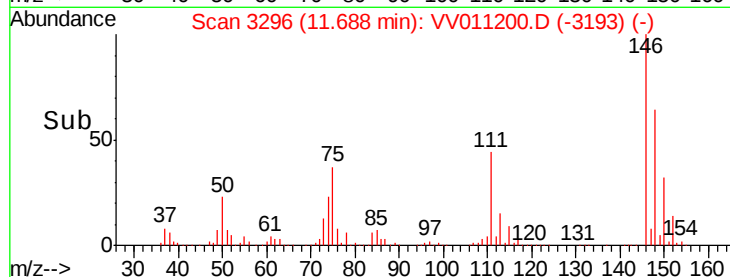
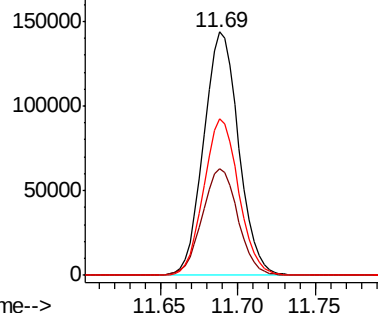


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 22.393 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

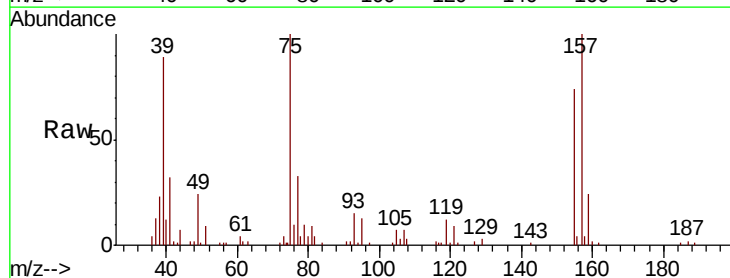
Tgt Ion: 75 Resp: 20371

Ion Ratio Lower Upper

75 100

157 100.0 79.6 119.4

155 73.8 62.4 93.6

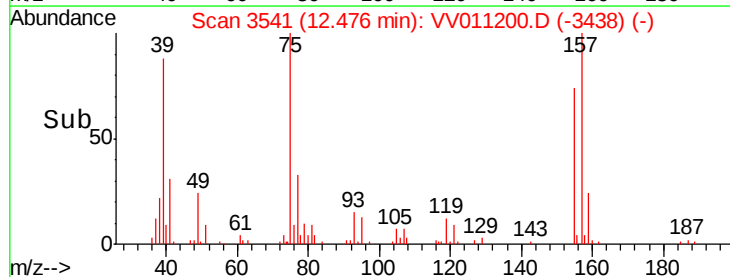
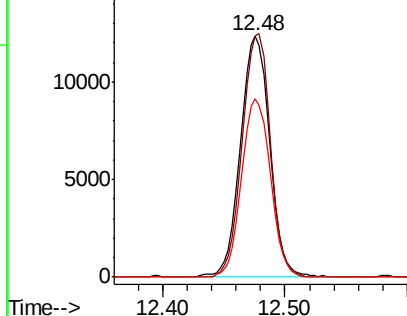


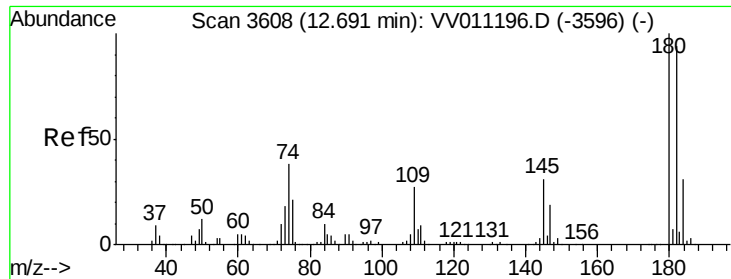
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

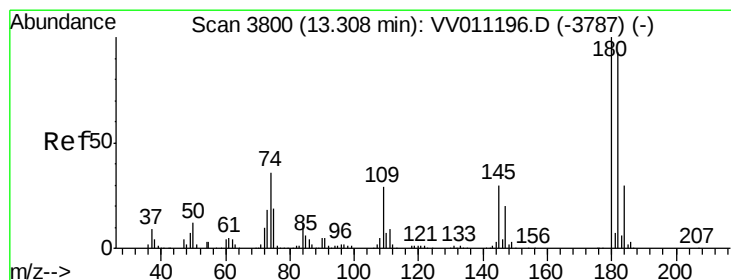
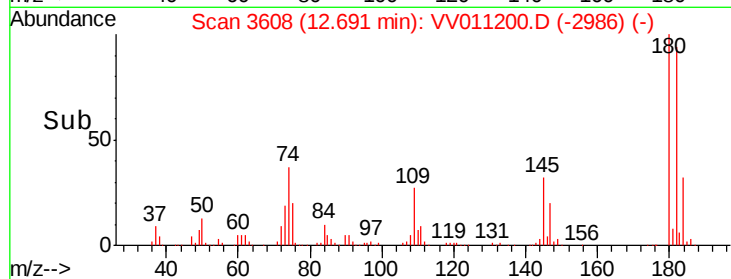
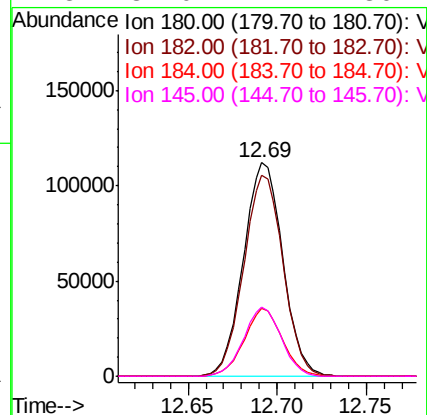
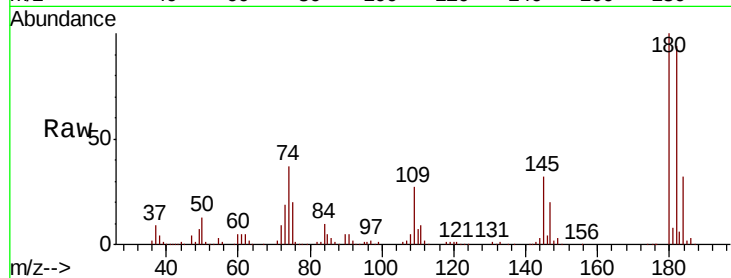




#67
 1,3,5-Trichlorobenzene
 Concen: 23.280 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011200.D
 Acq: 03 Jun 2019 14:14

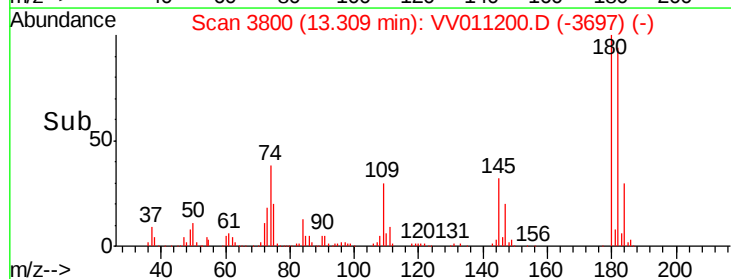
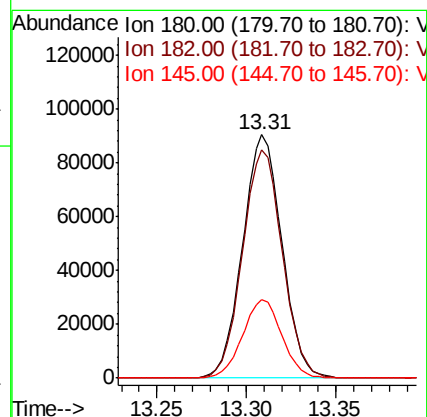
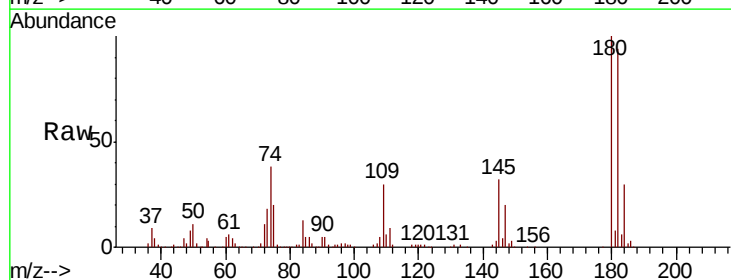
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02585

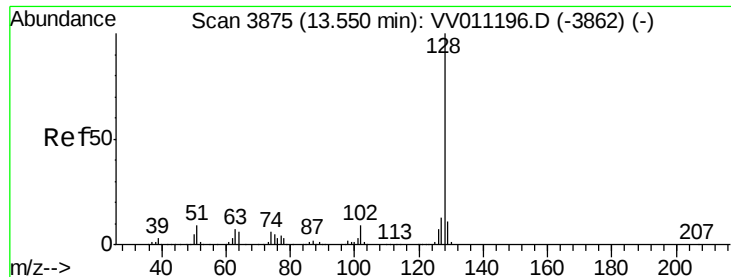
Tgt Ion:180 Resp: 172325
 Ion Ratio Lower Upper
 180 100
 182 93.9 75.3 112.9
 184 30.7 24.3 36.5
 145 31.0 24.2 36.4



#68
 1,2,4-trichlorobenzene
 Concen: 23.482 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011200.D
 Acq: 03 Jun 2019 14:14

Tgt Ion:180 Resp: 139488
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.4 113.0
 145 32.2 25.7 38.5





#69

Naphthalene

Concen: 23.105 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD02585

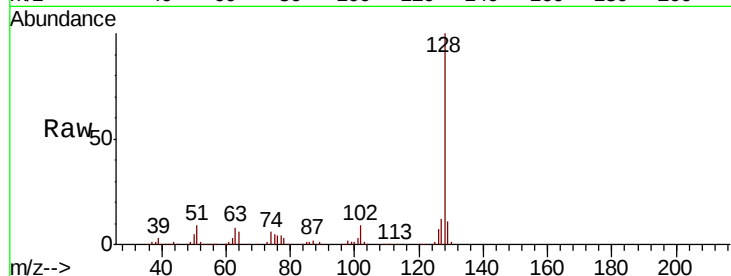
Tgt Ion:128 Resp: 282148

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

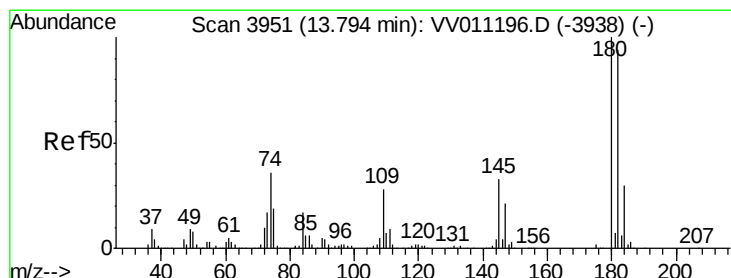
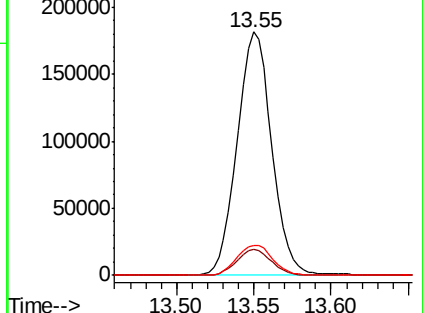
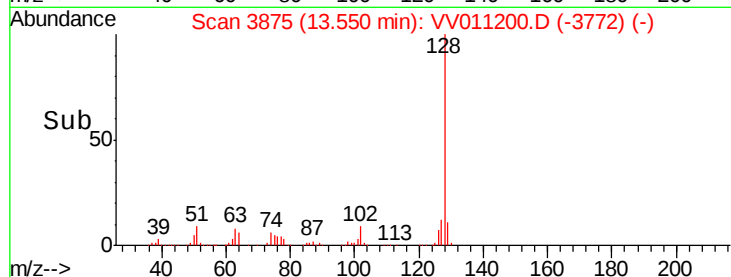
127 12.9 10.6 16.0



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: 23.733 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011200.D

Acq: 03 Jun 2019 14:14

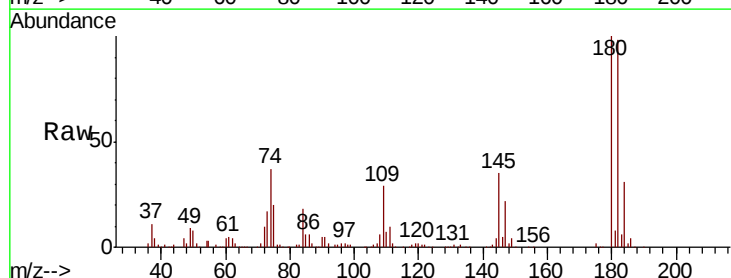
Tgt Ion:180 Resp: 130748

Ion Ratio Lower Upper

180 100

182 97.9 77.4 116.0

145 34.8 27.5 41.3



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

