

Data File : VV012888.D
Acq On : 18 Sep 2019 11:15
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Quant Time: Sep 19 00:58:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 18:26:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	419030	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	413356	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	207954	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	173487	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.59	69	154233	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.13	63	278718	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.20%
20) 2-Butanone-d5	4.00	46	329051	37.89	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.78%
24) Chloroform-d	4.40	84	304383	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.08	65	150510	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.09	84	624119	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.11	67	186105	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.20%
41) Toluene-d8	7.36	98	579662	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.66	79	66657	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.14	63	251348	39.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	132902	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	196838	4.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	144739	5.478	ug/L 98
3) Chloromethane	1.26	50	143349	4.919	ug/L 100
5) Vinyl chloride	1.32	62	157582	4.660	ug/L 99
6) Bromomethane	1.54	94	83654	5.147	ug/L 100
8) Chloroethane	1.60	64	88056	4.957	ug/L 99
9) Trichlorofluoromethane	1.77	101	194760	4.734	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	121651	4.927	ug/L 99
12) 1,1-Dichloroethene	2.14	96	108251	4.822	ug/L 92
13) Acetone	2.48	43	28445	6.194	ug/L 78
14) Carbon disulfide	2.32	76	222999	4.848	ug/L 100
15) Methyl Acetate	2.48	43	50810	4.229	ug/L 98
16) Methylene chloride	2.53	84	132229	4.790	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	266060	4.190	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	115615	4.633	ug/L 100
19) 1,1-Dichloroethane	3.23	63	243285	4.725	ug/L 100
21) 2-Butanone	4.08	43	311448	41.279	ug/L # 76
22) cis-1,2-Dichloroethene	3.96	96	130188	4.643	ug/L 97

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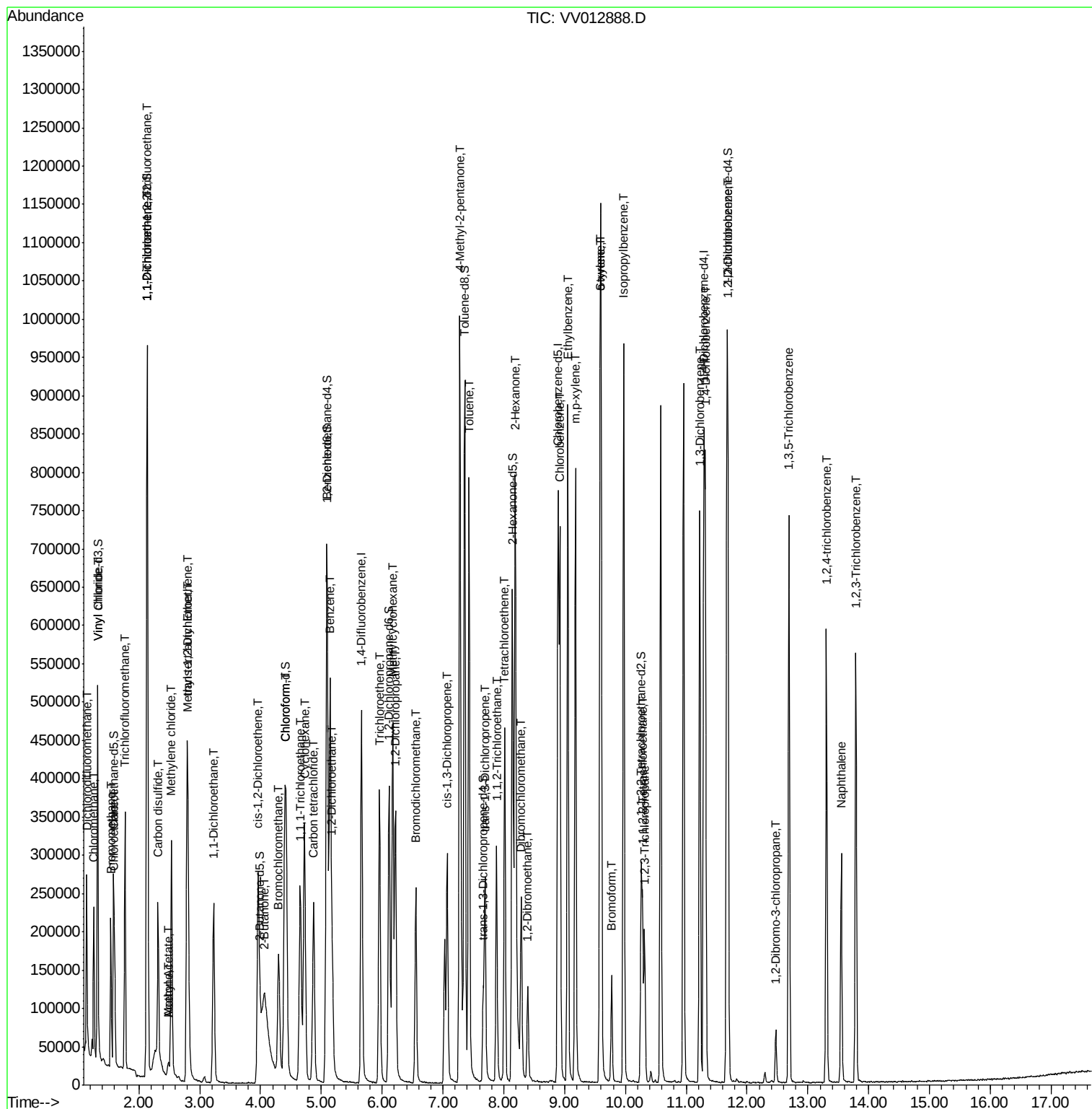
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	56818	4.576	ug/L	97
25) Chloroform	4.42	83	265921	4.584	ug/L	98
27) 1,2-Dichloroethane	5.18	62	142870	4.631	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	202964	4.726	ug/L	99
30) Cyclohexane	4.72	56	172595	4.818	ug/L	98
31) Carbon tetrachloride	4.87	117	172277	4.736	ug/L	98
33) Benzene	5.14	78	520625	4.854	ug/L	100
34) Trichloroethene	5.96	95	134258	4.860	ug/L	98
35) Methylcyclohexane	6.17	83	177147	4.778	ug/L	99
37) 1,2-Dichloropropane	6.22	63	139146	4.761	ug/L	100
38) Bromodichloromethane	6.55	83	174641	4.591	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	178313	4.606	ug/L	95
40) 4-Methyl-2-pentanone	7.28	43	826272	43.903	ug/L	99
42) Toluene	7.43	91	558991	5.006	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	143552	4.642	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	97250	4.440	ug/L	98
47) Tetrachloroethene	8.01	164	106939	4.817	ug/L	98
48) 2-Hexanone	8.19	43	622198	45.755	ug/L	97
49) Dibromochloromethane	8.29	129	116323	4.664	ug/L	98
50) 1,2-Dibromoethane	8.40	107	82388	4.520	ug/L	96
51) Chlorobenzene	8.92	112	365668	4.772	ug/L	99
52) Ethylbenzene	9.05	91	596136	4.978	ug/L	99
53) m,p-xylene	9.18	106	224976	5.093	ug/L	98
54) o-xylene	9.59	106	217635	5.012	ug/L	100
55) Styrene	9.60	104	390394	5.240	ug/L	99
56) Isopropylbenzene	9.97	105	595444	5.110	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	114357	4.169	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	82737	4.339	ug/L	99
61) Bromoform	9.77	173	61705	4.327	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	302430	4.867	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	302657	4.746	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	284465	4.641	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	16090	3.819	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	230220	4.738	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	180491	4.626	ug/L	99
69) Naphthalene	13.55	128	239520	4.063	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	174633	4.537	ug/L	100

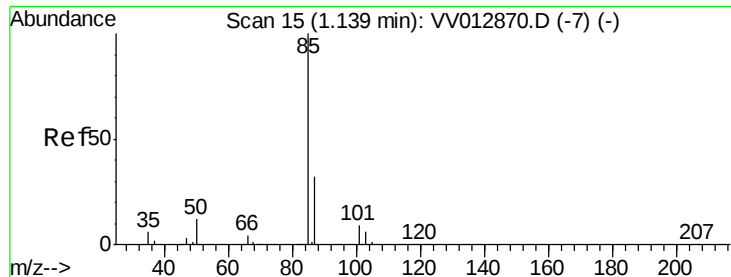
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.478 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV012888.D

Acq: 18 Sep 2019 11:15

Instrument :

MSVOA_V

ClientSampleId :

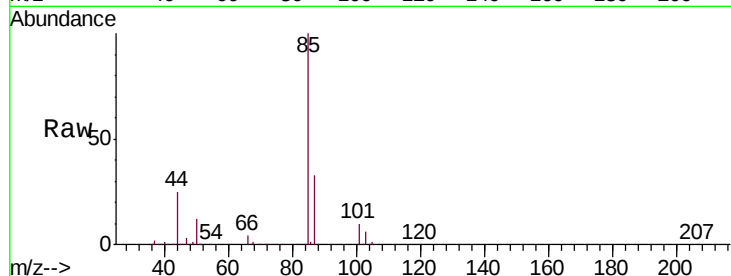
VSTD00539

Tgt Ion: 85 Resp: 144739

Ion Ratio Lower Upper

85 100

87 32.7 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV012888.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV012888.D (-1) (-)

1.14

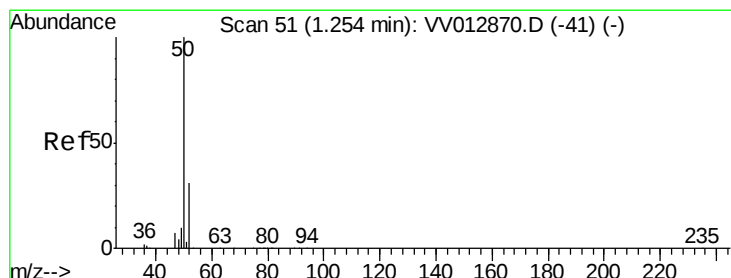
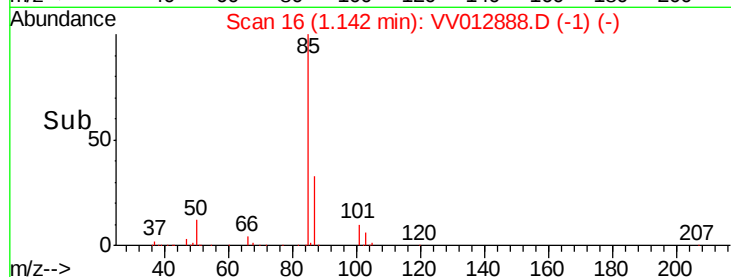
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.919 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV012888.D

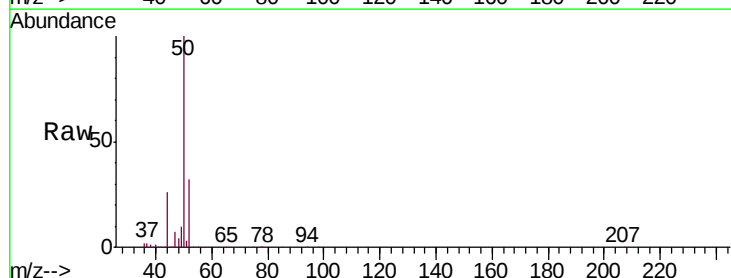
Acq: 18 Sep 2019 11:15

Tgt Ion: 50 Resp: 143349

Ion Ratio Lower Upper

50 100

52 32.5 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV012888.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV012888.D (-1) (-)

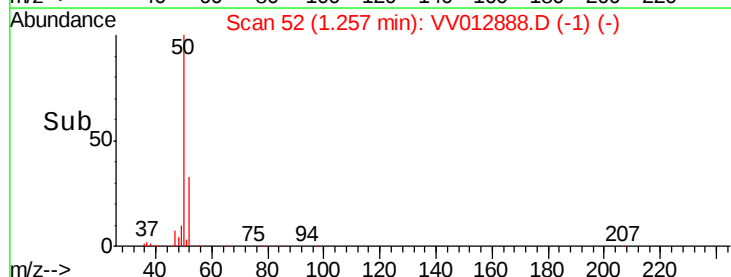
1.26

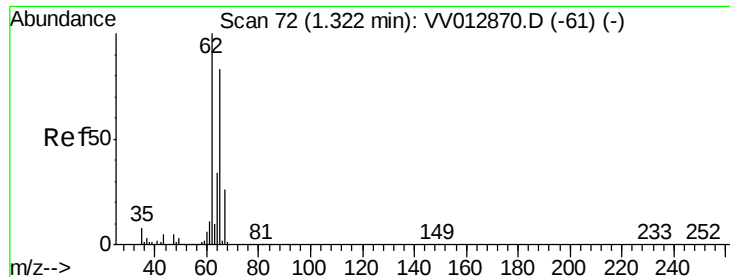
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.660 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012888.D

Acq: 18 Sep 2019 11:15

Instrument :

MSVOA_V

ClientSampleId :

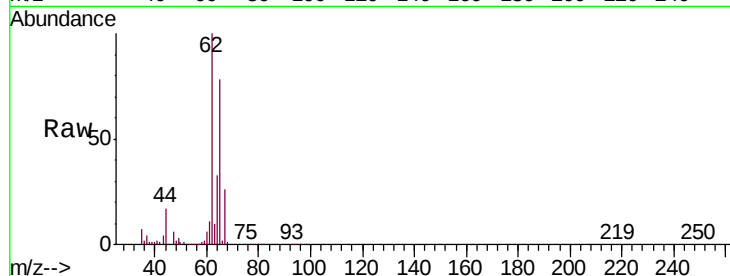
VSTD00539

Tgt Ion: 62 Resp: 157582

Ion Ratio Lower Upper

62 100

64 32.9 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV012870.D (-61) (-)

Ion 64.10 (63.80 to 64.80): VV012870.D (-61) (-)

1.32

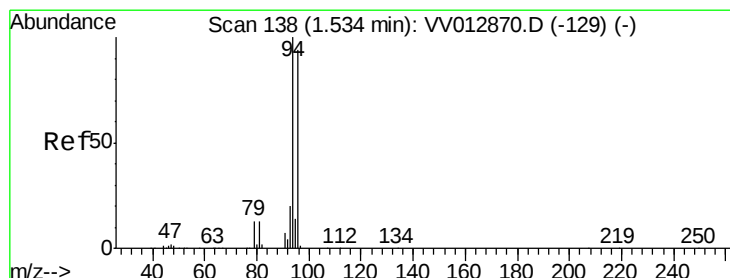
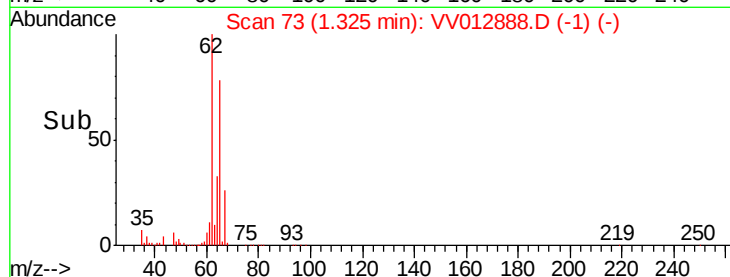
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 5.147 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012888.D

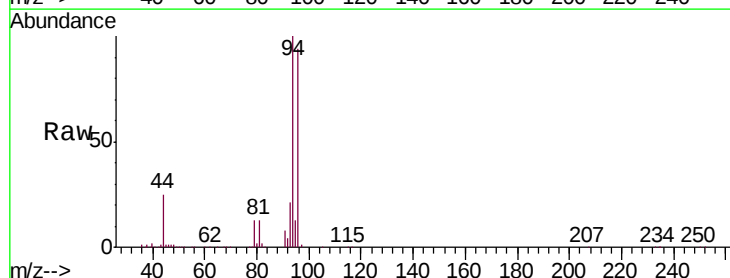
Acq: 18 Sep 2019 11:15

Tgt Ion: 94 Resp: 83654

Ion Ratio Lower Upper

94 100

96 94.1 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV012870.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV012870.D (-129) (-)

1.54

80000

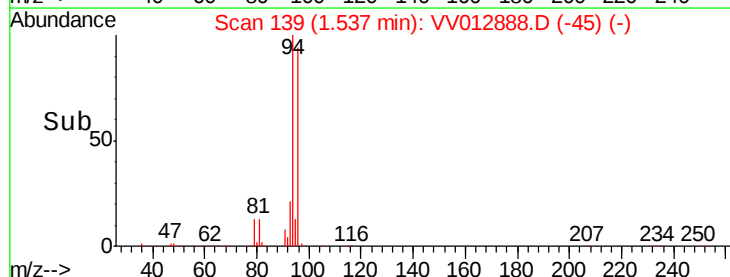
60000

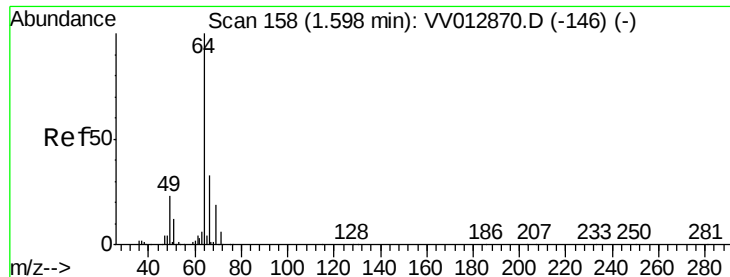
40000

20000

0

Time-->

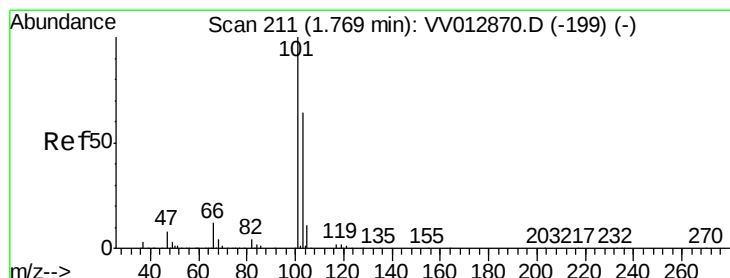
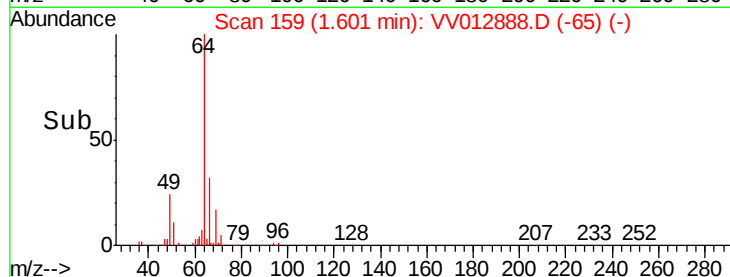
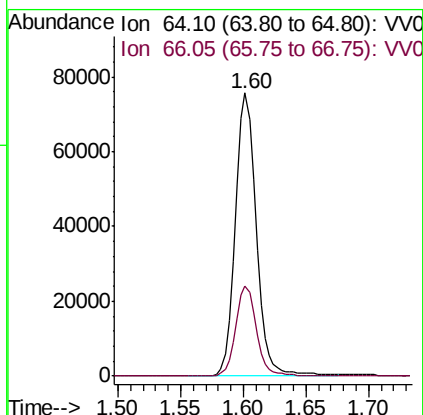
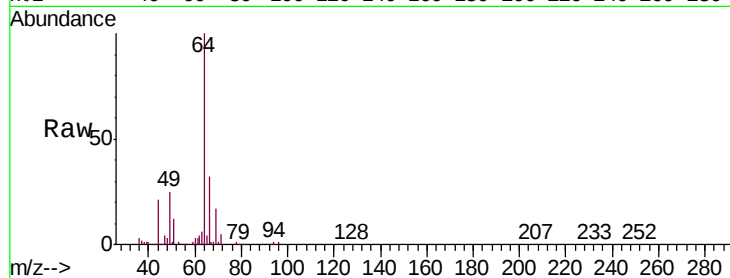




#8
Chloroethane
Concen: 4.957 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV012888.D
Acq: 18 Sep 2019 11:15

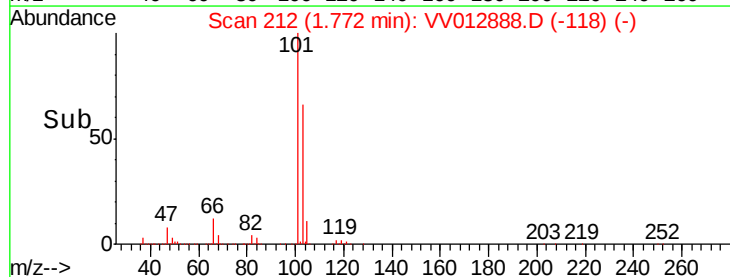
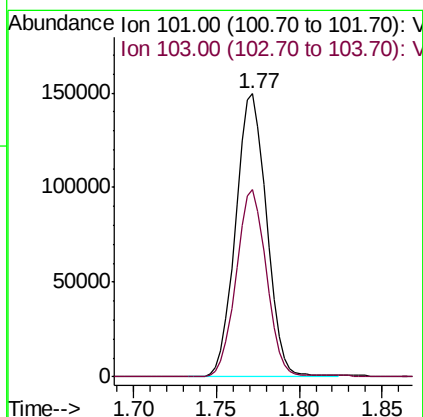
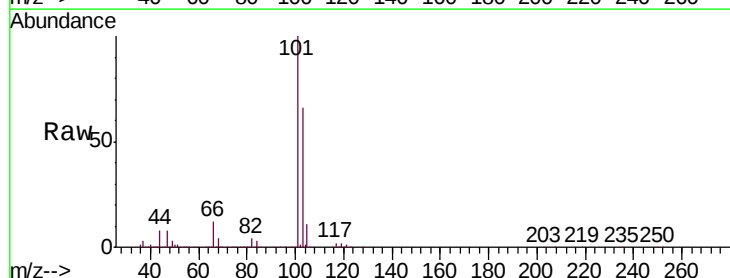
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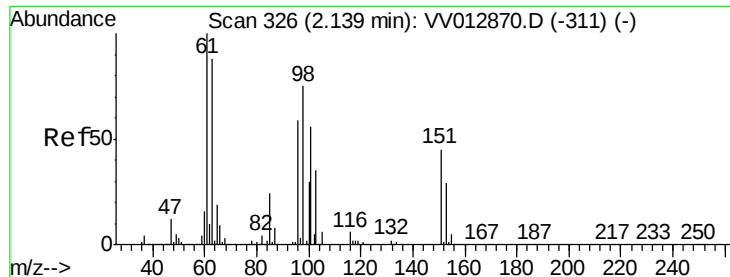
Tgt Ion: 64 Resp: 88056
Ion Ratio Lower Upper
64 100
66 32.0 22.0 40.8



#9
Trichlorofluoromethane
Concen: 4.734 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV012888.D
Acq: 18 Sep 2019 11:15

Tgt Ion: 101 Resp: 194760
Ion Ratio Lower Upper
101 100
103 65.3 52.3 78.5





#10

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

Concen: 4.927 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012888.D

Acq: 18 Sep 2019 11:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

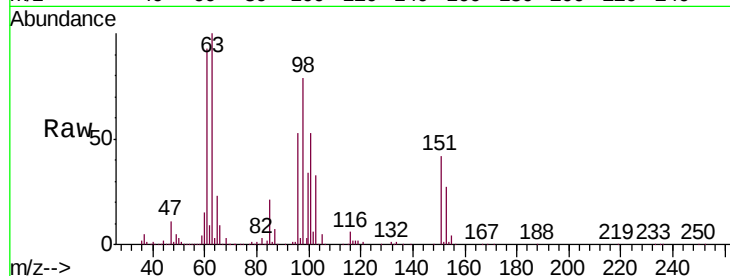
Tgt Ion: 101 Resp: 121651

Ion Ratio Lower Upper

101 100

85 41.6 33.5 50.3

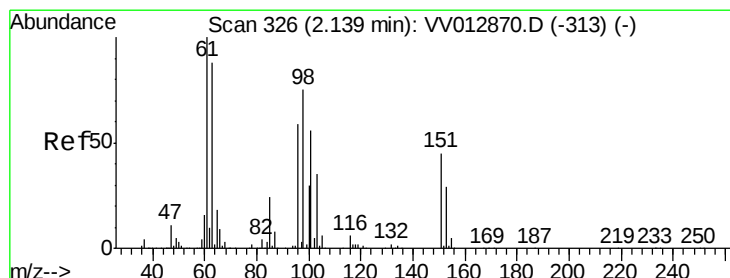
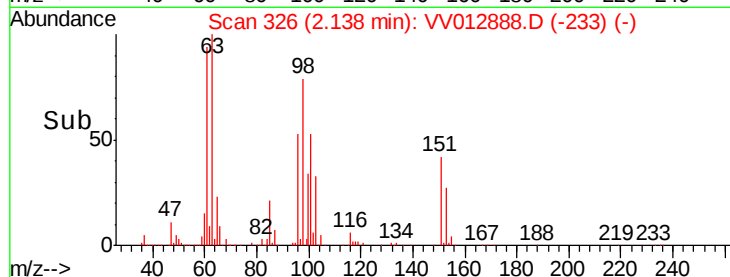
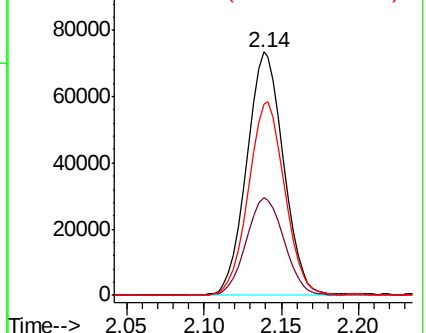
151 78.8 64.0 96.0



Abundance Ion 101.00 (100.70 to 101.70): VV012888.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV012888.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV012888.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 4.822 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012888.D

Acq: 18 Sep 2019 11:15

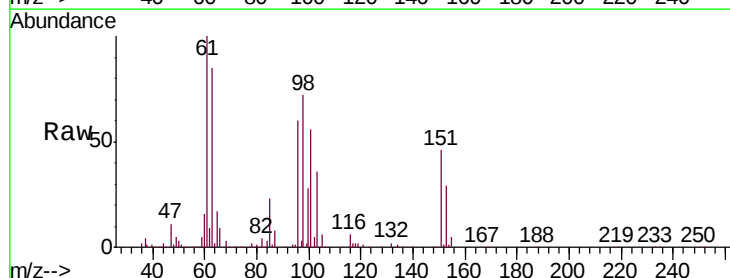
Tgt Ion: 96 Resp: 108251

Ion Ratio Lower Upper

96 100

61 167.8 116.1 215.5

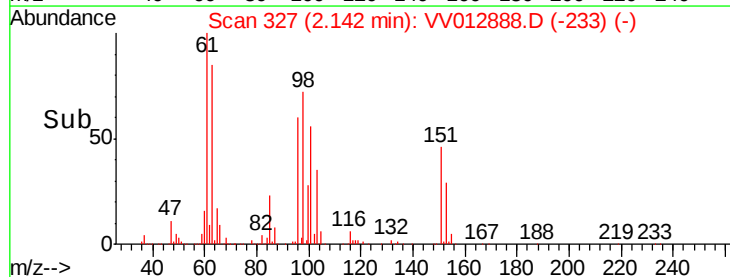
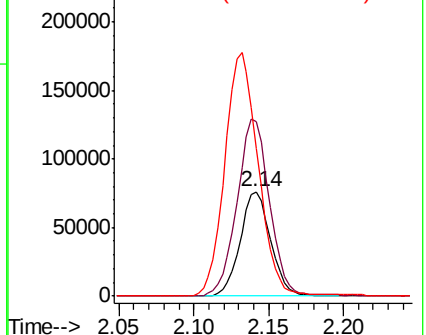
63 142.1 113.3 210.3

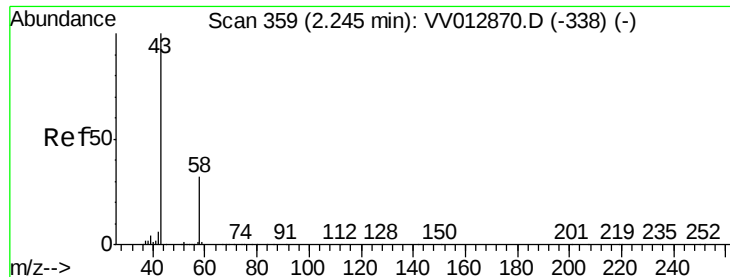


Abundance Ion 96.00 (95.70 to 96.70): VV012888.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV012888.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV012888.D (-233) (-)





#13

Acetone

Concen: 6.194 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.23 min

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ClientSampleId :

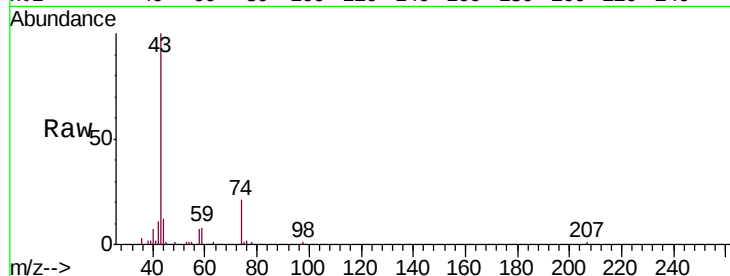
VSTD00539

Tgt Ion: 43 Resp: 28445

Ion Ratio Lower Upper

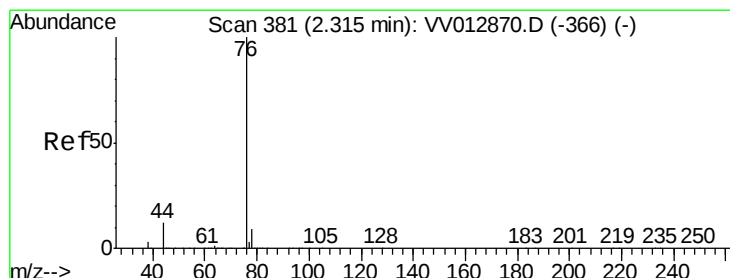
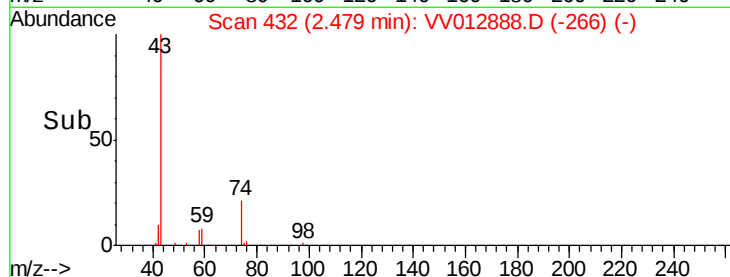
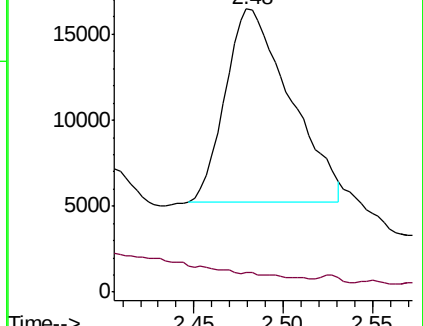
43 100

58 20.7 0.0 24.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.848 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012888.D

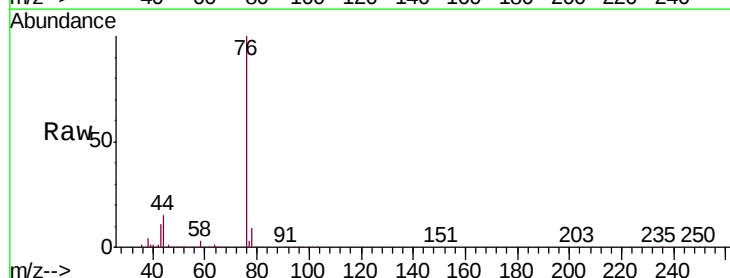
Acq: 18 Sep 2019 11:15

Tgt Ion: 76 Resp: 222999

Ion Ratio Lower Upper

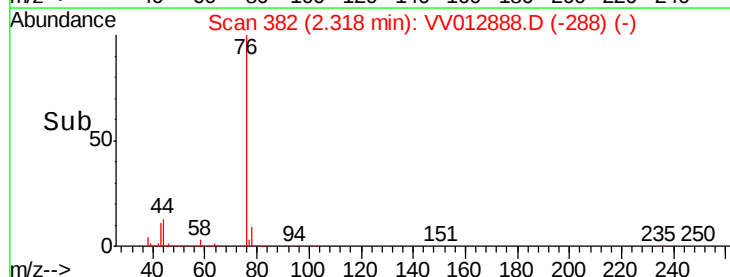
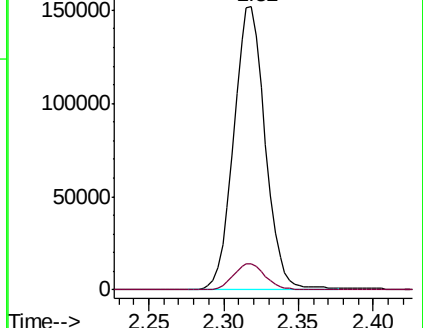
76 100

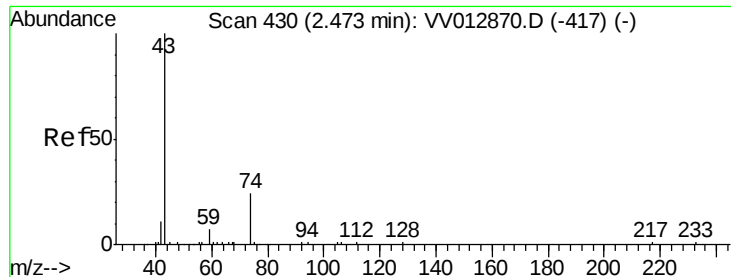
78 9.4 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

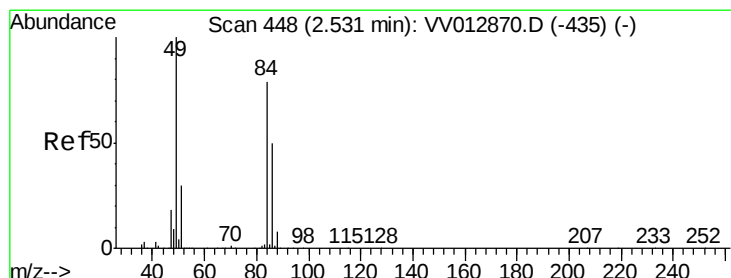
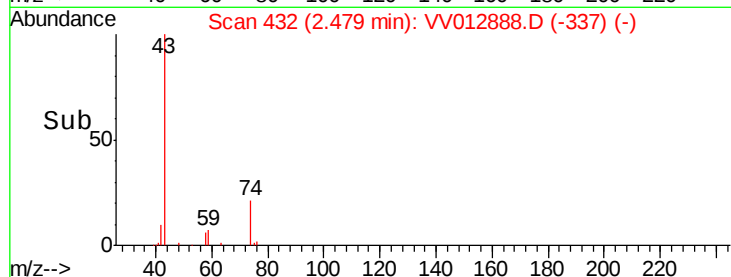
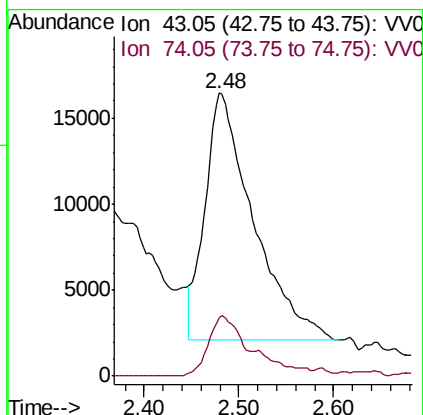
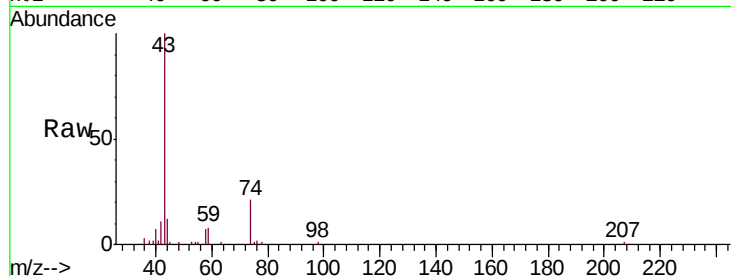




#15
Methyl Acetate
Concen: 4.229 ug/L
RT: 2.48 min Scan# 432
Delta R.T. 0.01 min
Lab File: VV012888.D
Acq: 18 Sep 2019 11:15

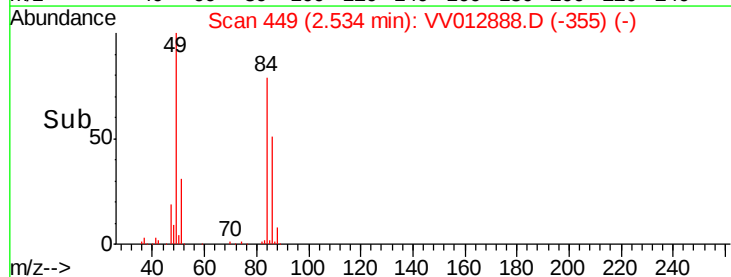
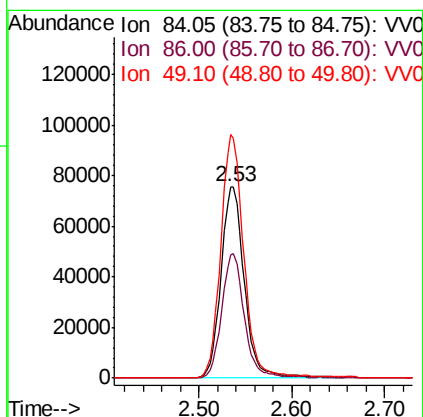
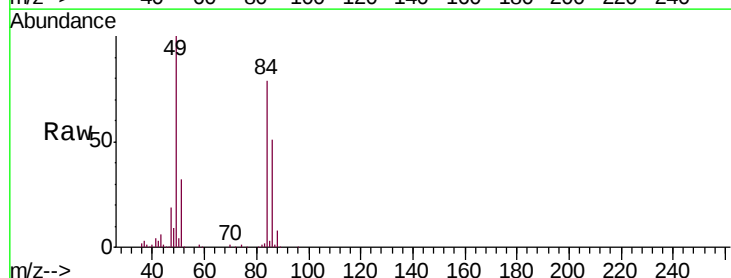
Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

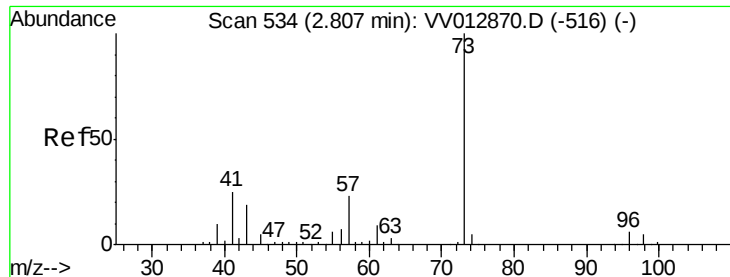
Tgt Ion: 43 Resp: 50810
Ion Ratio Lower Upper
43 100
74 16.5 14.1 21.1



#16
Methylene chloride
Concen: 4.790 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012888.D
Acq: 18 Sep 2019 11:15

Tgt Ion: 84 Resp: 132229
Ion Ratio Lower Upper
84 100
86 64.6 44.8 83.2
49 127.3 85.9 159.5



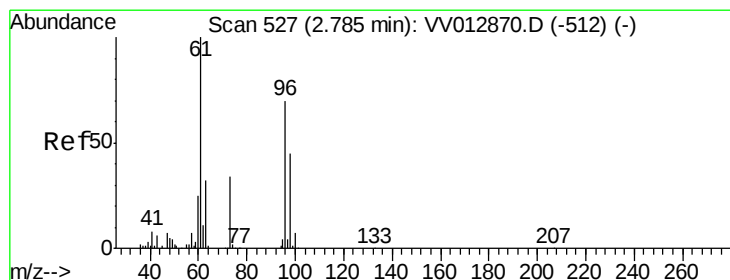
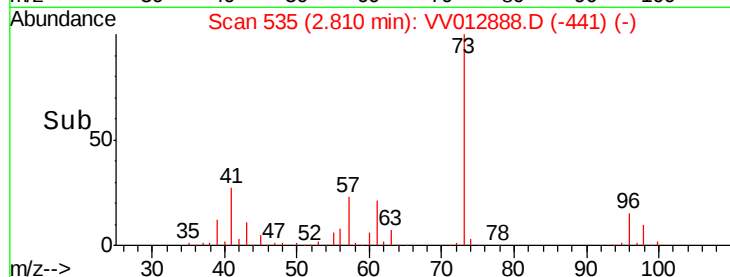
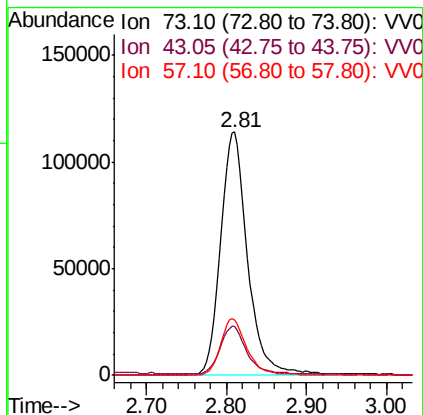
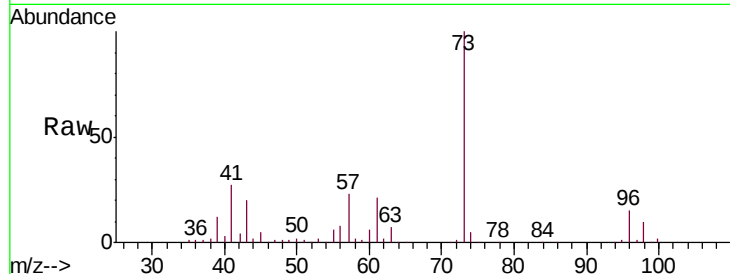


#17

Methyl tert-butyl Ether
 Concen: 4.190 ug/L
 RT: 2.81 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

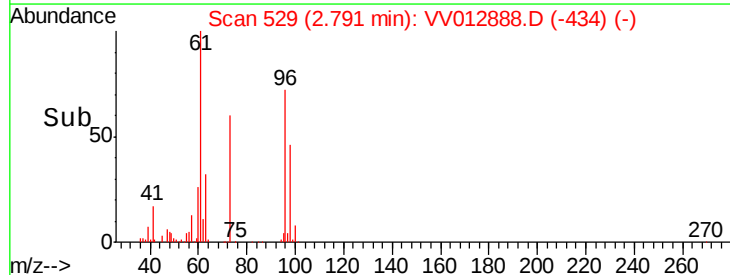
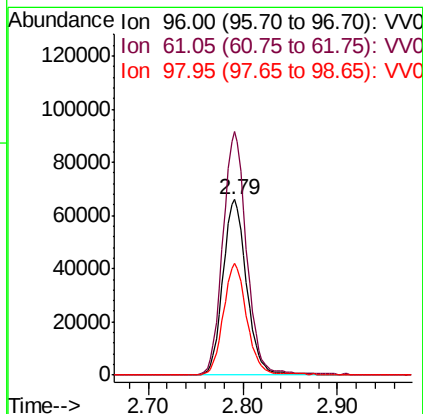
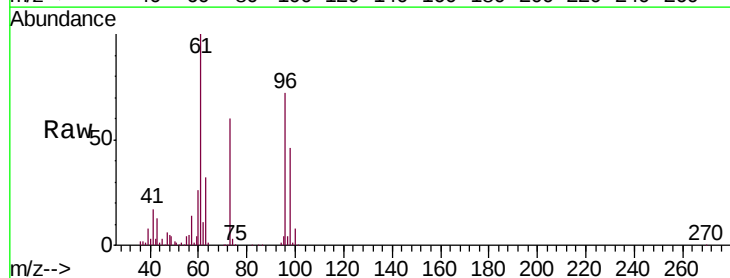
Tgt Ion:	73	Resp:	266060
Ion	Ratio	Lower	Upper
73	100		
43	18.6	15.0	22.4
57	22.6	17.9	26.9

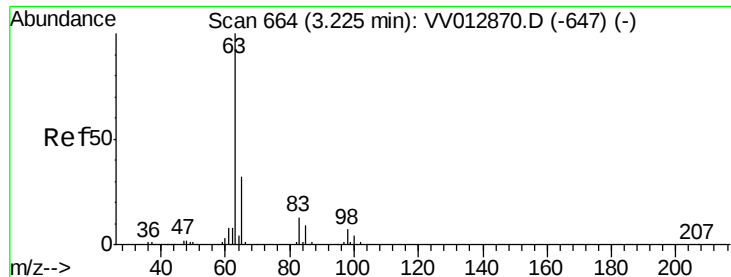


#18

trans-1,2-Dichloroethene
 Concen: 4.633 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

Tgt Ion:	96	Resp:	115615
Ion	Ratio	Lower	Upper
96	100		
61	138.6	96.8	179.8
98	63.9	45.2	84.0

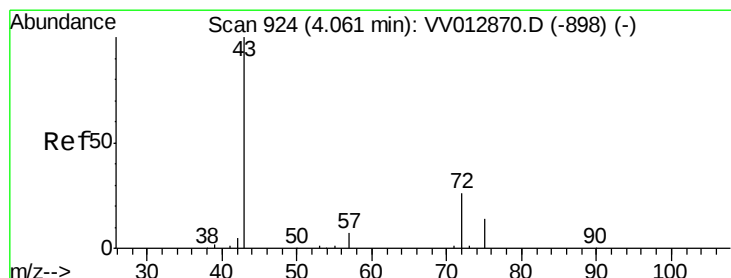
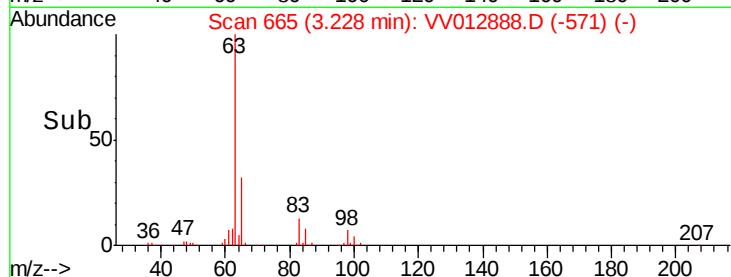
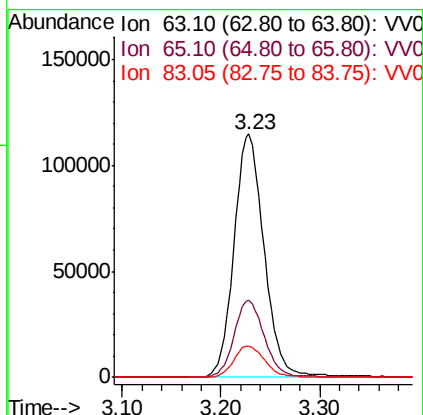
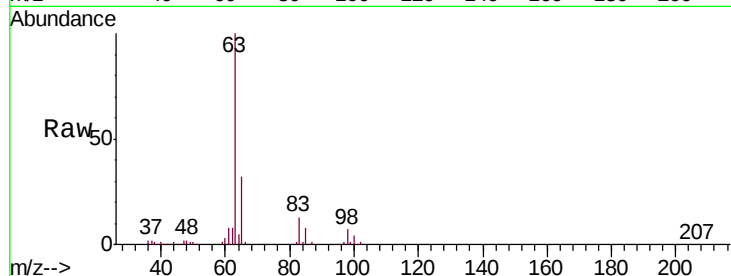




#19
 1,1-Dichloroethane
 Concen: 4.725 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

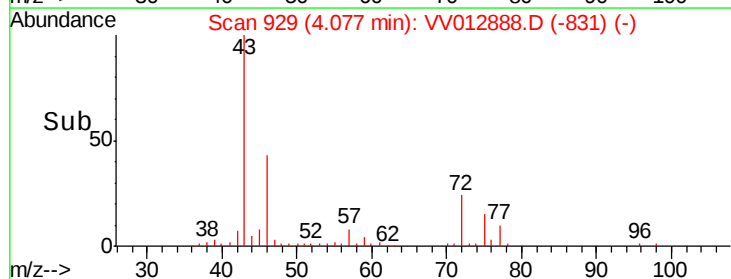
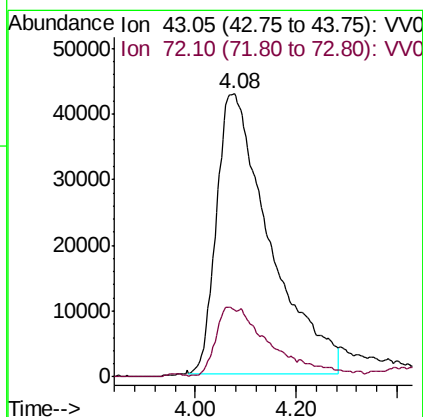
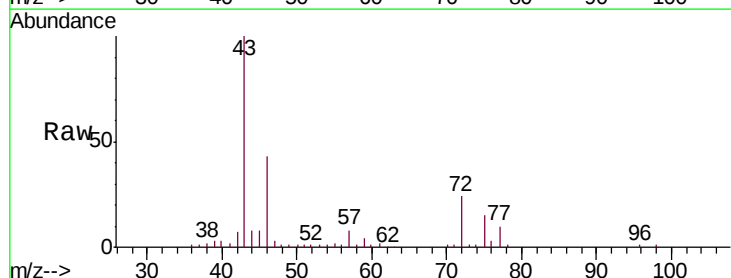
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

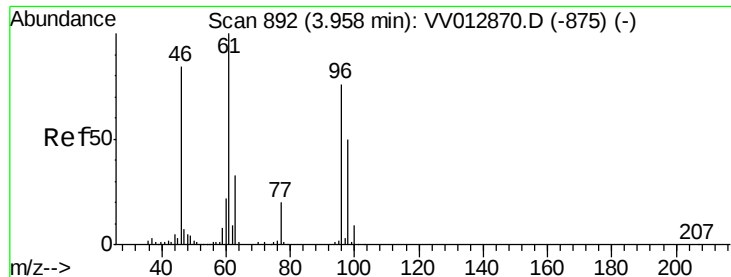
Tgt Ion: 63 Resp: 243285
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.0 41.0
 83 12.9 9.2 17.0



#21
 2-Butanone
 Concen: 41.279 ug/L
 RT: 4.08 min Scan# 929
 Delta R.T. 0.02 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

Tgt Ion: 43 Resp: 311448
 Ion Ratio Lower Upper
 43 100
 72 9.6 10.4 31.2#



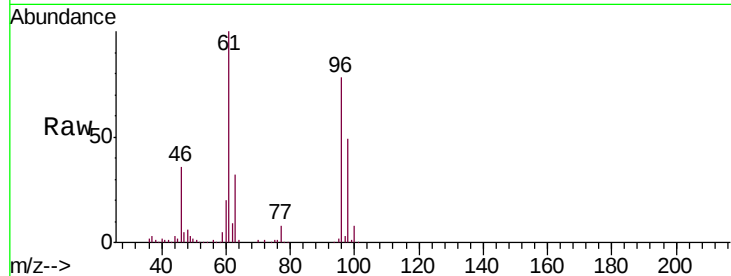


#22

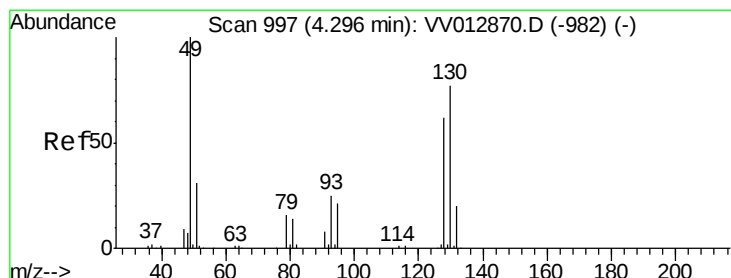
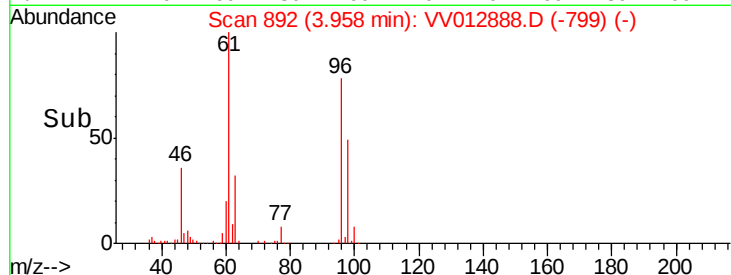
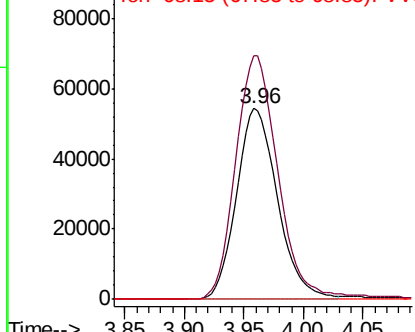
cis-1,2-Dichloroethene
Concen: 4.643 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV012888.D
Acq: 18 Sep 2019 11:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Tgt Ion: 96 Resp: 130188
Ion Ratio Lower Upper
96 100
61 127.5 91.8 170.6
68 0.0 0.0 0.0



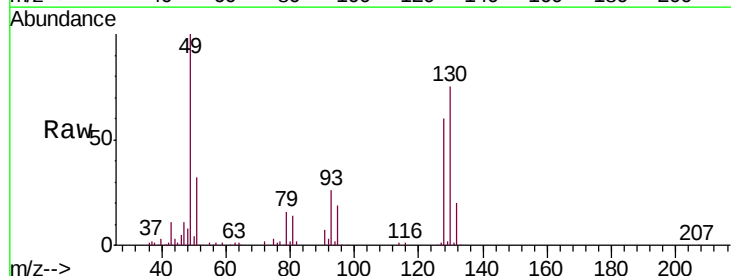
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



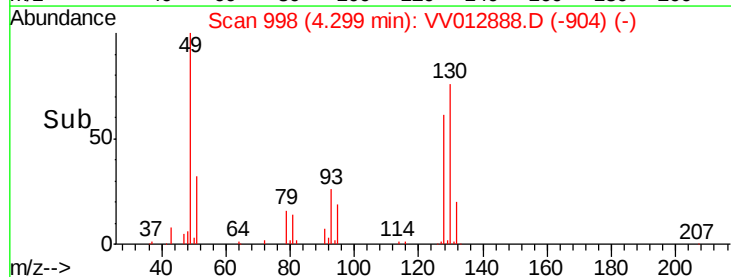
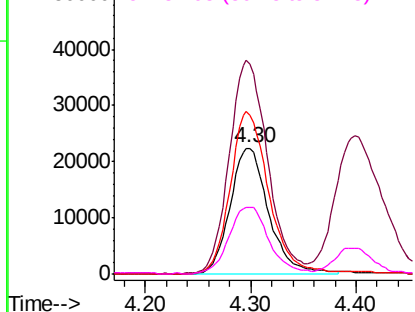
#23

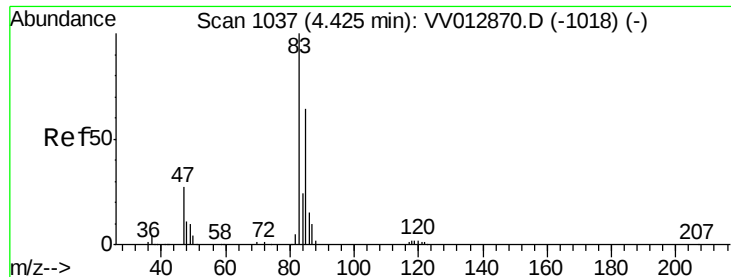
Bromochloromethane
Concen: 4.576 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV012888.D
Acq: 18 Sep 2019 11:15

Tgt Ion: 128 Resp: 56818
Ion Ratio Lower Upper
128 100
49 167.0 119.6 222.0
130 126.1 89.8 166.8
51 53.3 45.8 68.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

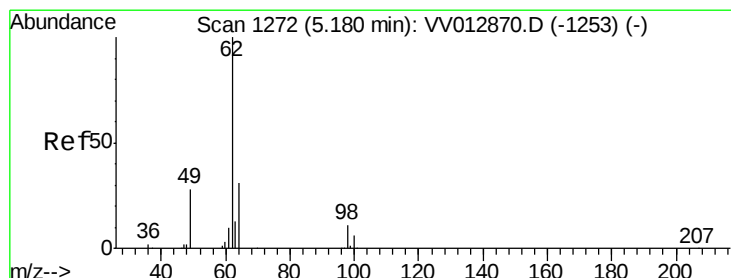
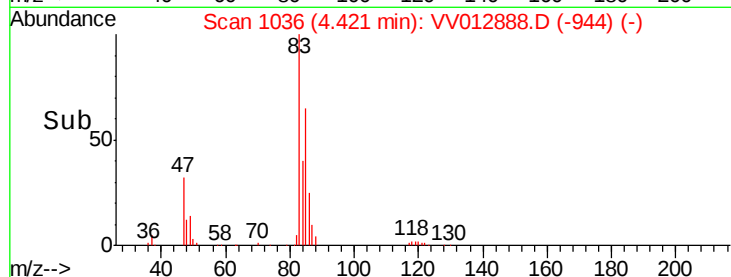
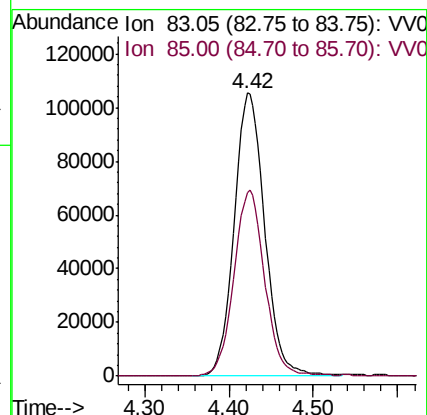
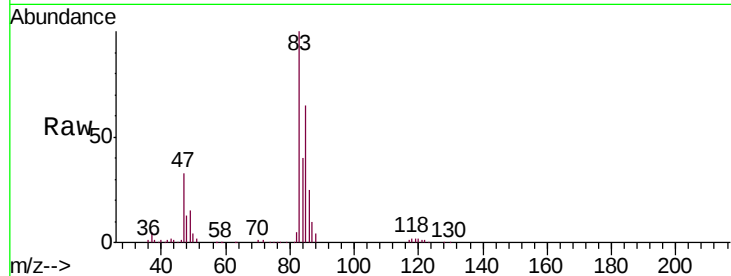




#25
Chloroform
Concen: 4.584 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012888.D
Acq: 18 Sep 2019 11:15

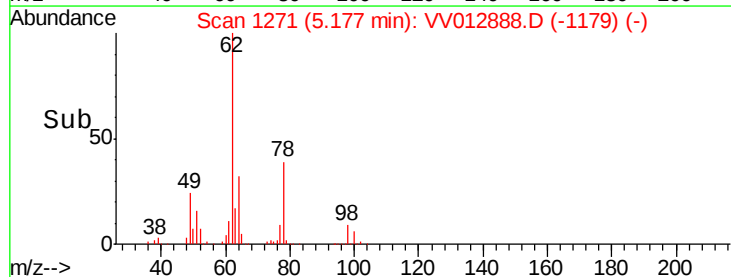
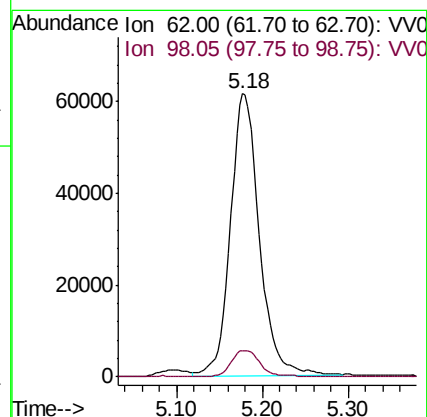
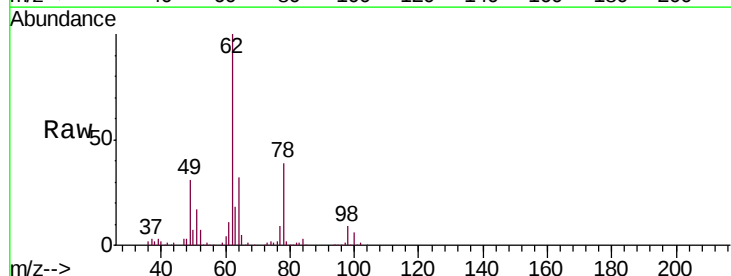
Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

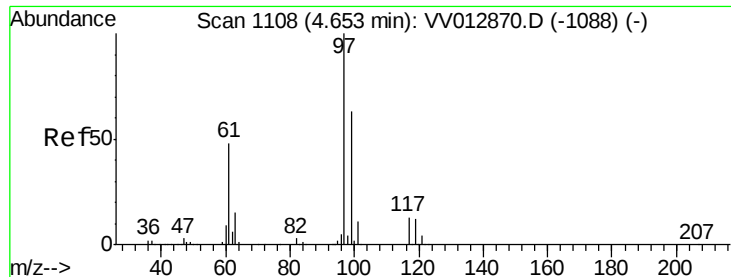
Tgt Ion: 83 Resp: 265921
Ion Ratio Lower Upper
83 100
85 65.0 44.4 82.5



#27
1,2-Dichloroethane
Concen: 4.631 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012888.D
Acq: 18 Sep 2019 11:15

Tgt Ion: 62 Resp: 142870
Ion Ratio Lower Upper
62 100
98 9.3 7.8 11.8

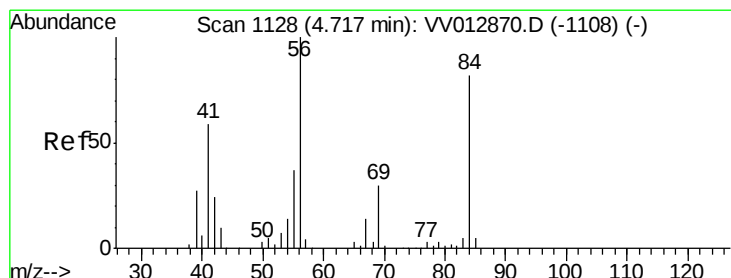
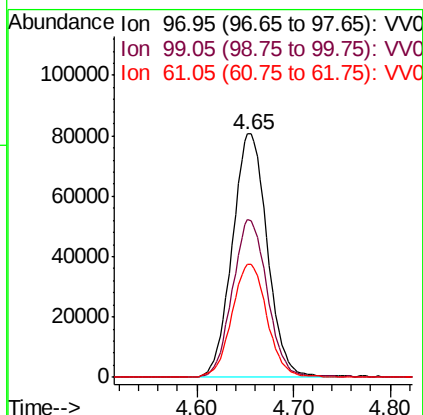
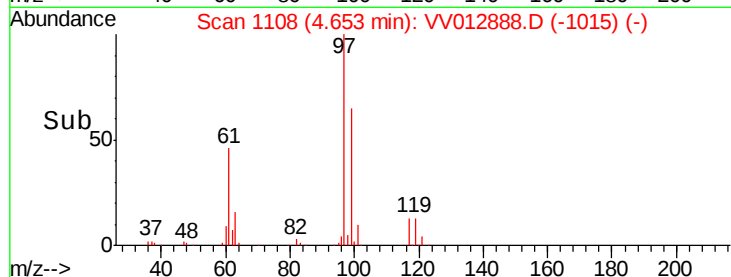
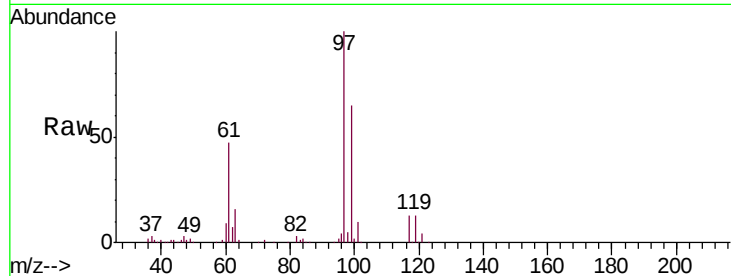




#29
 1,1,1-Trichloroethane
 Concen: 4.726 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

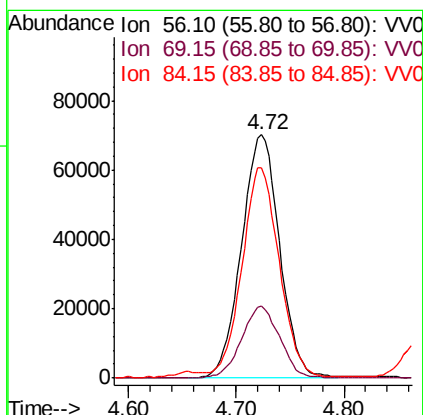
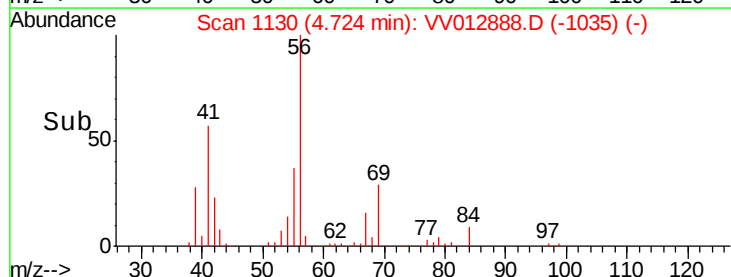
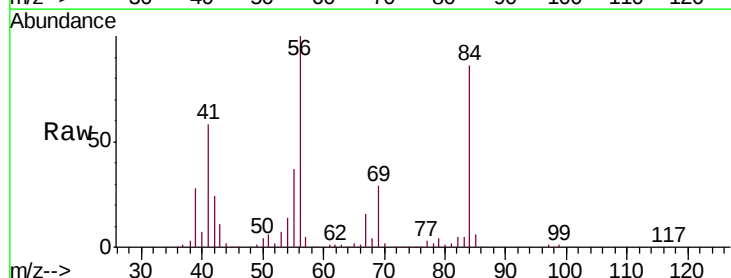
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

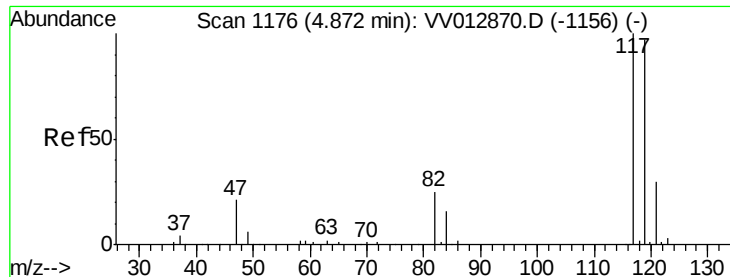
Tgt Ion: 97 Resp: 202964
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.9 76.3
 61 46.8 38.2 57.2



#30
 Cyclohexane
 Concen: 4.818 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.01 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

Tgt Ion: 56 Resp: 172595
 Ion Ratio Lower Upper
 56 100
 69 29.7 24.4 36.6
 84 84.2 69.3 103.9





#31

Carbon tetrachloride

Concen: 4.736 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV012888.D

Acq: 18 Sep 2019 11:15

Instrument :

MSVOA_V

ClientSampleId :

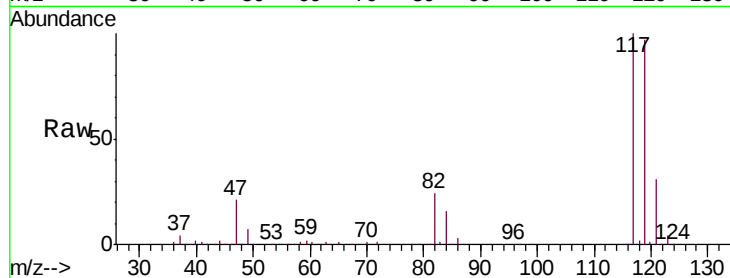
VSTD00539

Tgt Ion:117 Resp: 172277

Ion Ratio Lower Upper

117 100

119 96.8 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

80000

60000

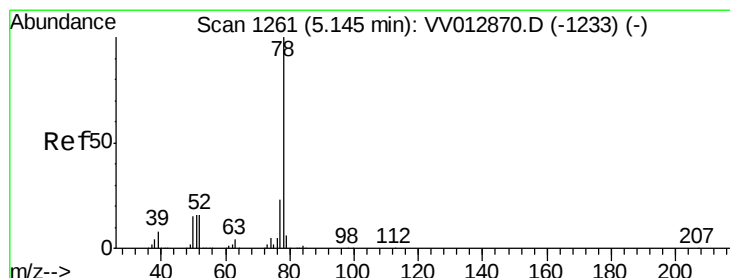
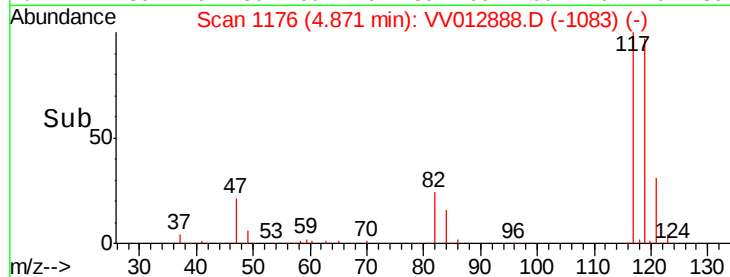
40000

20000

0

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 4.854 ug/L

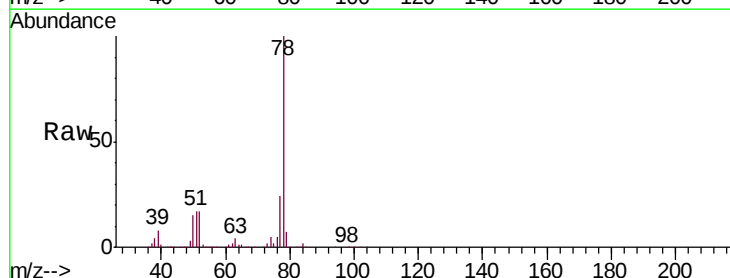
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV012888.D

Acq: 18 Sep 2019 11:15

Tgt Ion: 78 Resp: 520625



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

250000

200000

150000

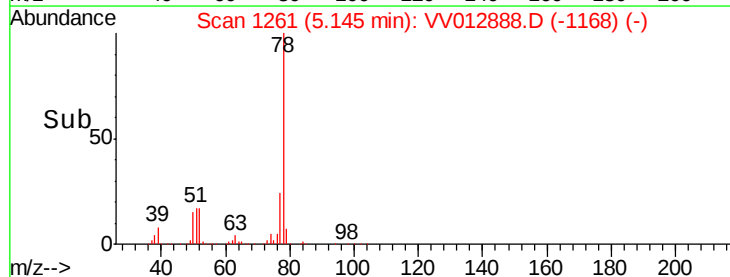
100000

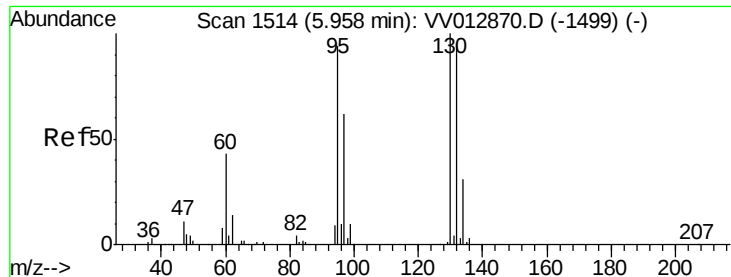
50000

0

5.00 5.10 5.20 5.30

Time-->

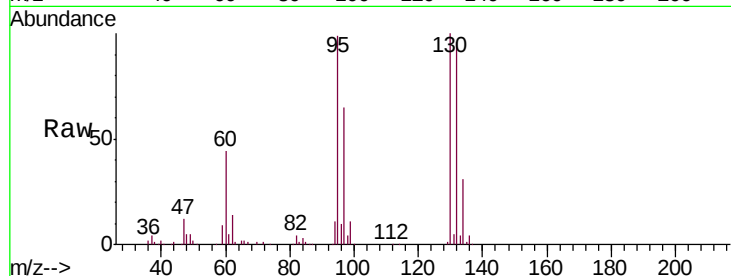




#34
 Trichloroethene
 Concen: 4.860 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00539

Tgt Ion:	95	Resp:	134258
Ion	Ratio	Lower	Upper
95	100		
97	65.9	45.3	84.1
132	97.4	70.6	131.0
130	101.1	71.8	133.4



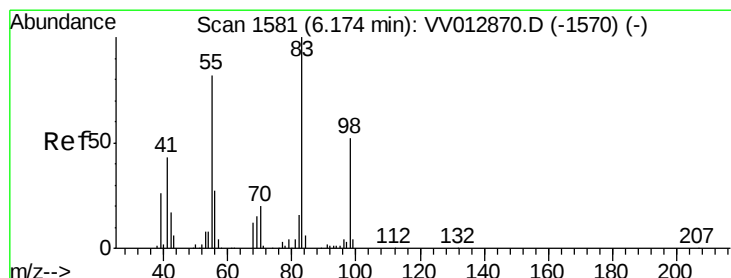
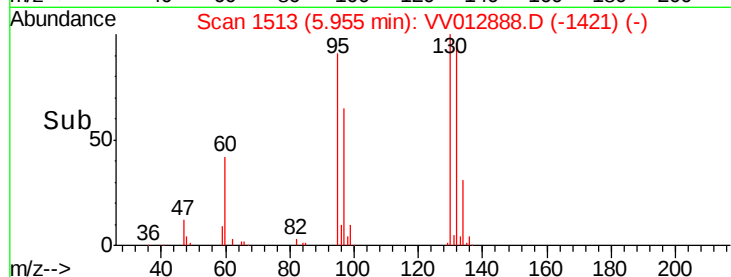
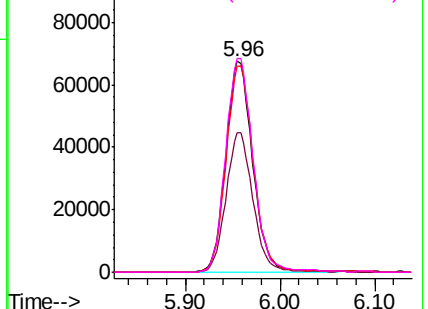
Abundance

Ion 95.00 (94.70 to 95.70): VV012870.D (-1499) (-)

Ion 96.95 (96.65 to 97.65): VV012870.D (-1499) (-)

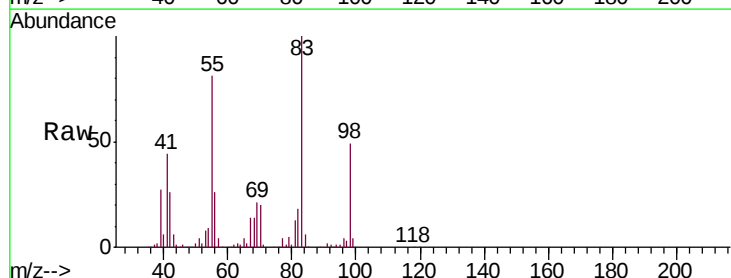
Ion 131.95 (131.65 to 132.65): VV012870.D (-1499) (-)

Ion 129.95 (129.65 to 130.65): VV012870.D (-1499) (-)



#35
 Methylcyclohexane
 Concen: 4.778 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

Tgt Ion:	83	Resp:	177147
Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.8	95.6
98	48.3	38.2	57.4

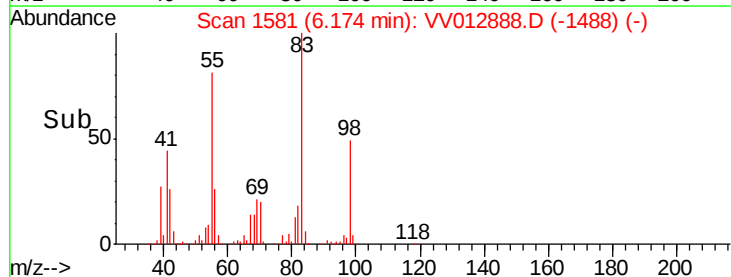
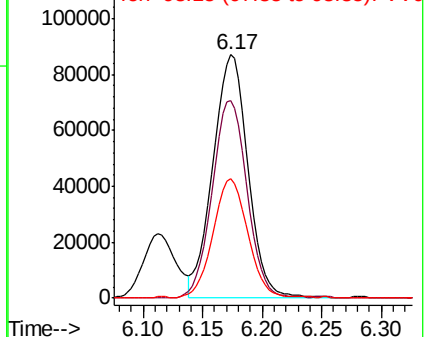


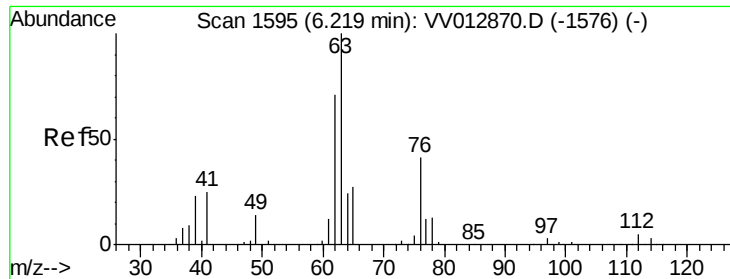
Abundance

Ion 83.15 (82.85 to 83.85): VV012870.D (-1570) (-)

Ion 55.10 (54.80 to 55.80): VV012870.D (-1570) (-)

Ion 98.15 (97.85 to 98.85): VV012870.D (-1570) (-)

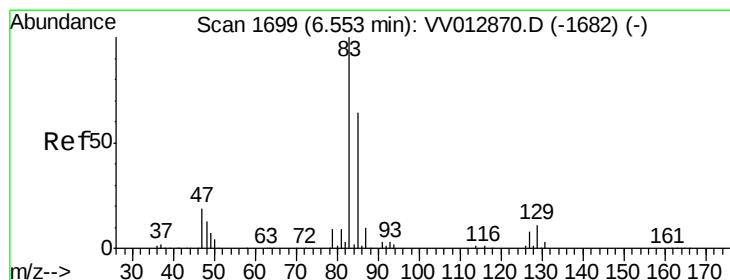
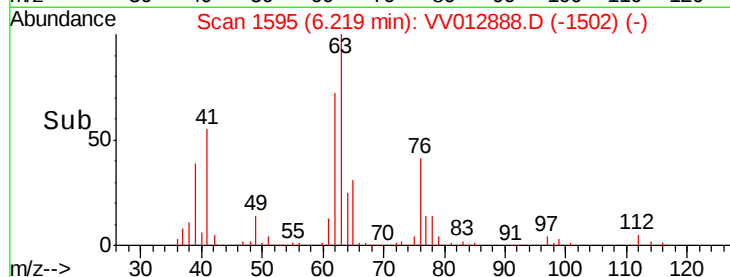
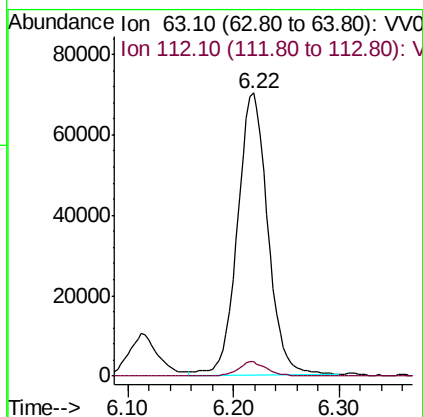
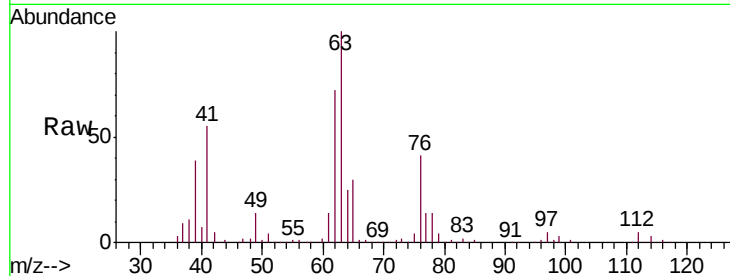




#37
 1,2-Dichloropropane
 Concen: 4.761 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

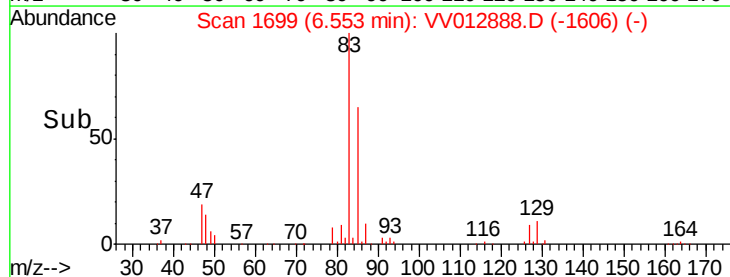
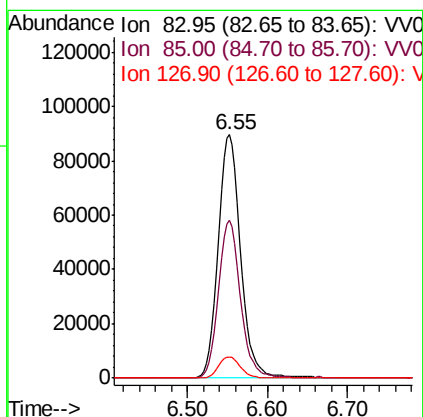
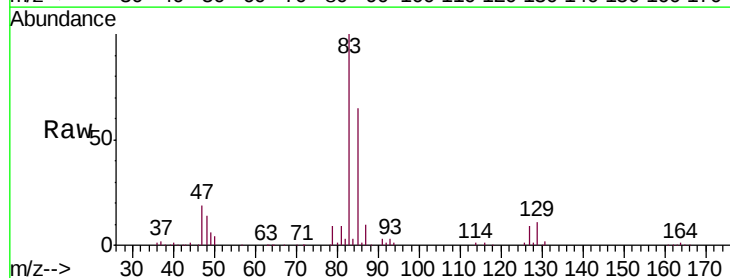
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

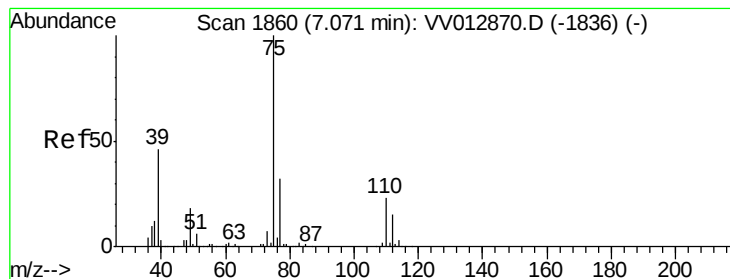
Tgt Ion: 63 Resp: 139146
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.591 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

Tgt Ion: 83 Resp: 174641
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.9 83.5
 127 8.7 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.606 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV012888.D

Acq: 18 Sep 2019 11:15

Instrument :

MSVOA_V

ClientSampleId :

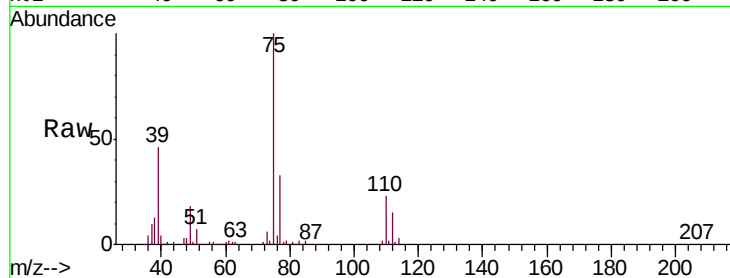
VSTD00539

Tgt Ion: 75 Resp: 178313

Ion Ratio Lower Upper

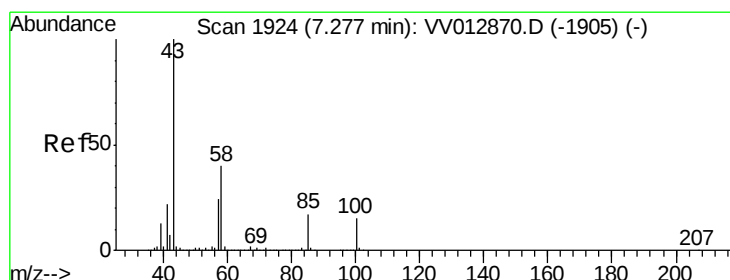
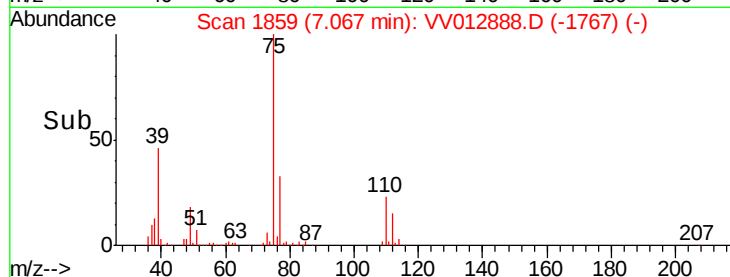
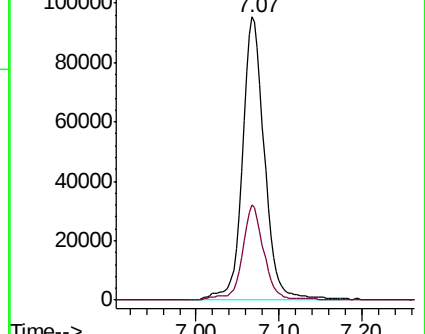
75 100

77 33.4 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 43.903 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VV012888.D

Acq: 18 Sep 2019 11:15

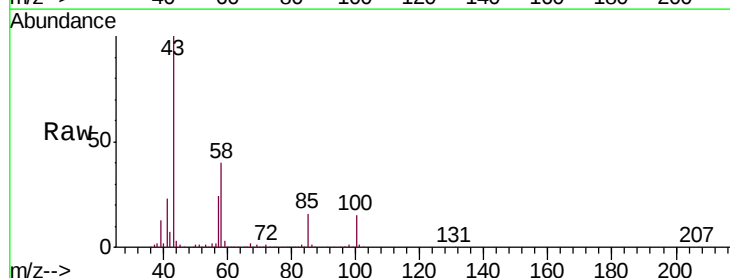
Tgt Ion: 43 Resp: 826272

Ion Ratio Lower Upper

43 100

58 37.6 30.8 46.2

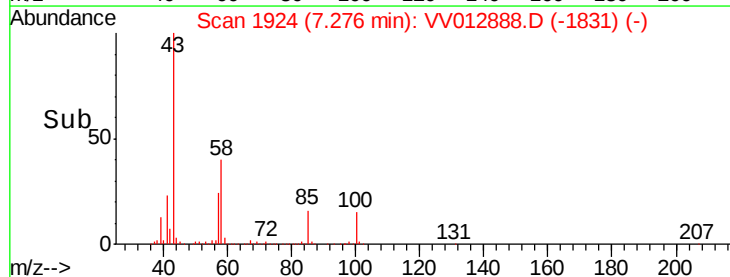
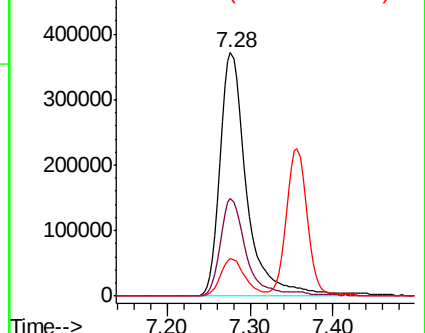
100 14.4 11.8 17.6

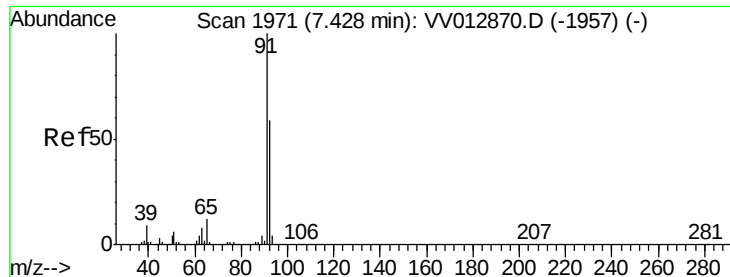


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.006 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012888.D

Acq: 18 Sep 2019 11:15

Instrument :

MSVOA_V

ClientSampleId :

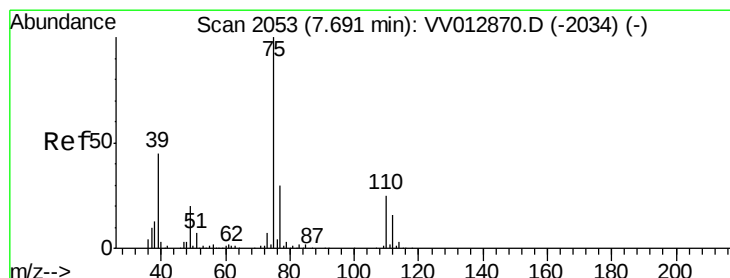
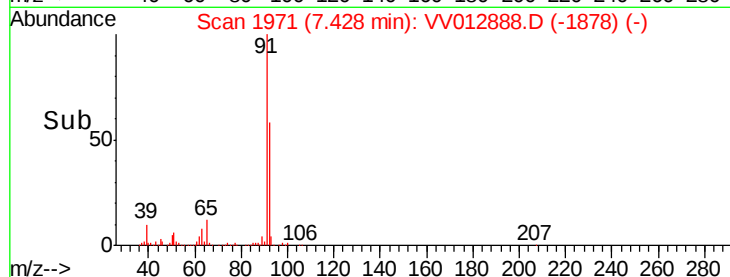
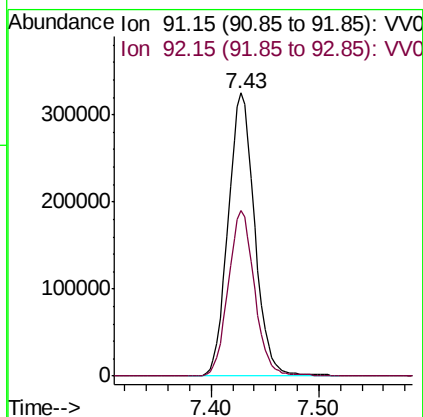
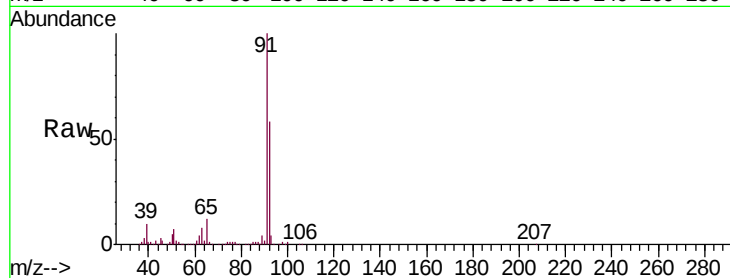
VSTD00539

Tgt Ion: 91 Resp: 558991

Ion Ratio Lower Upper

91 100

92 58.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.642 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012888.D

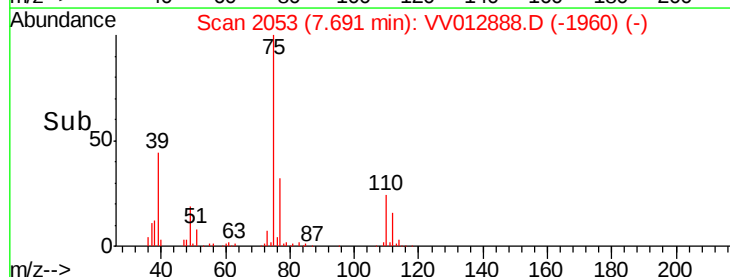
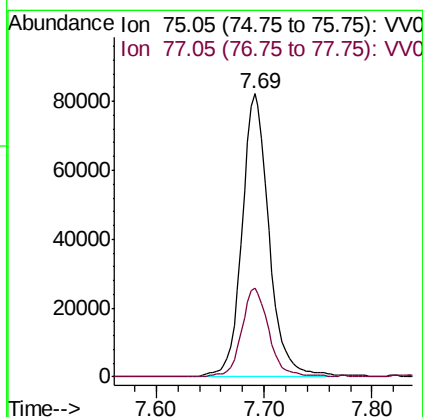
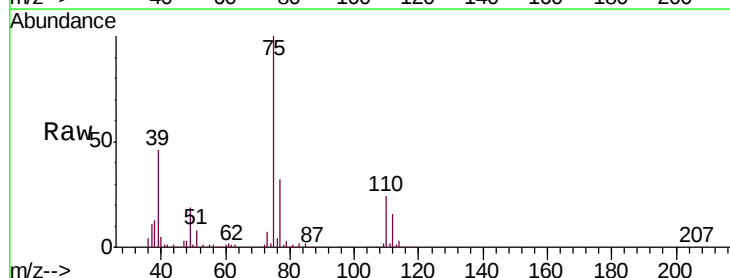
Acq: 18 Sep 2019 11:15

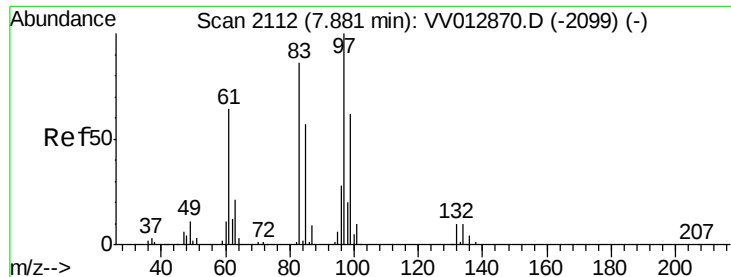
Tgt Ion: 75 Resp: 143552

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.7

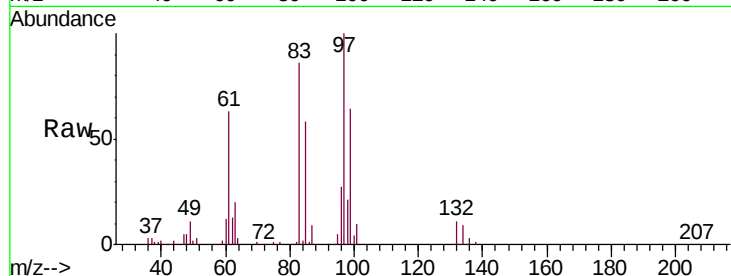




#45
 1,1,2-Trichloroethane
 Concen: 4.440 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion:	97	Resp:	97250
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.7	81.1
83	86.4	60.6	112.6
85	58.3	38.9	72.3



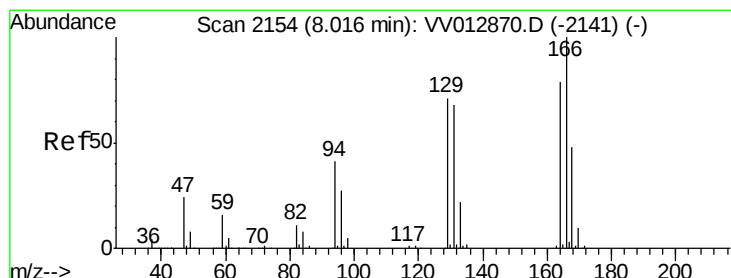
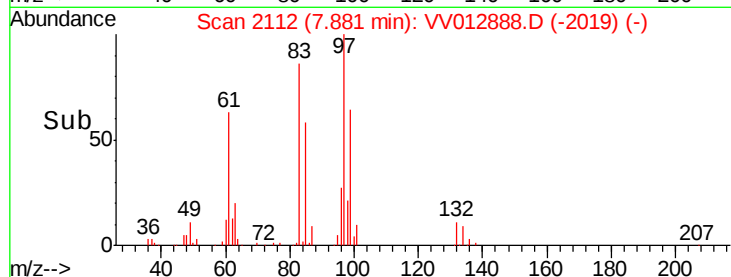
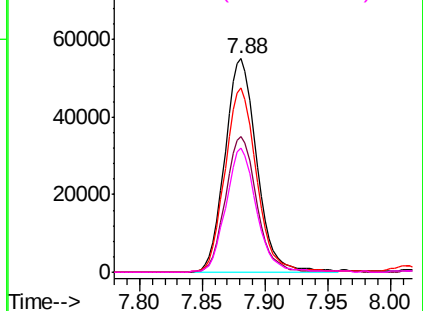
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

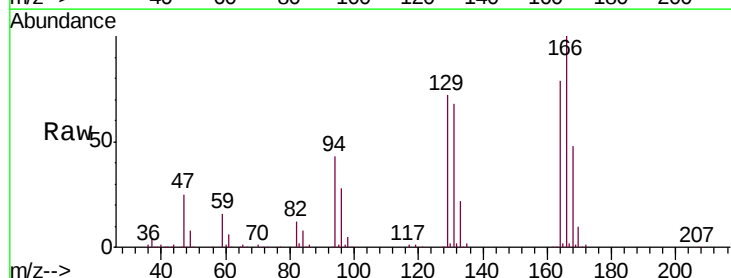
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 4.817 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

Tgt Ion:	164	Resp:	106939
Ion	Ratio	Lower	Upper
164	100		
129	91.8	63.8	118.6
131	86.5	63.1	117.3
166	127.0	89.9	166.9



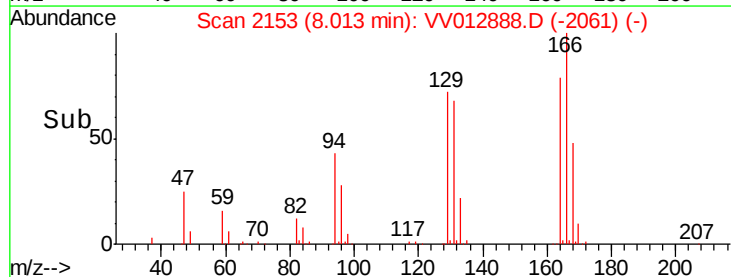
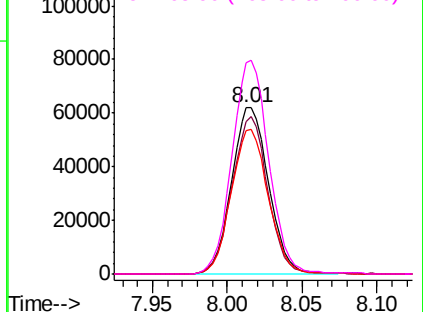
Abundance

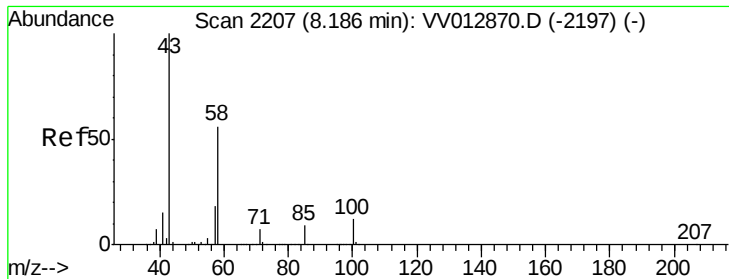
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

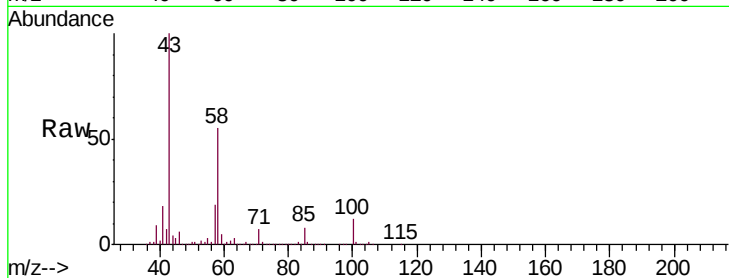




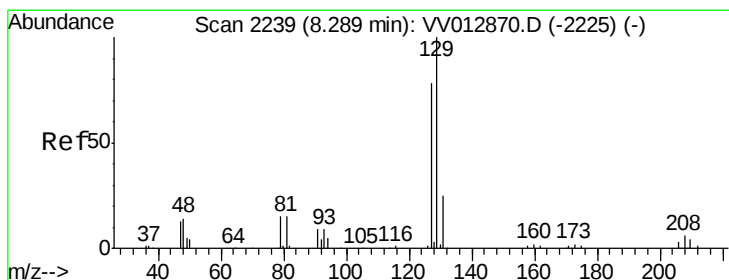
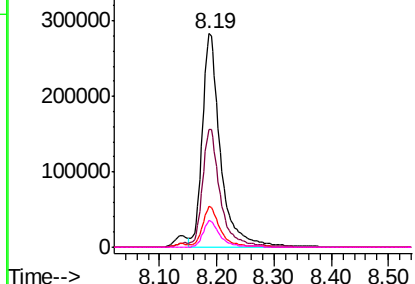
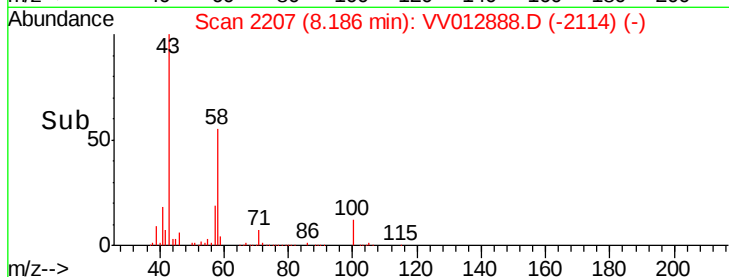
#48
2-Hexanone
Concen: 45.755 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012888.D
Acq: 18 Sep 2019 11:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Tgt Ion:	43	Resp:	622198
Ion	Ratio	Lower	Upper
43	100		
58	52.4	44.5	66.7
57	18.5	15.0	22.6
100	11.4	9.7	14.5

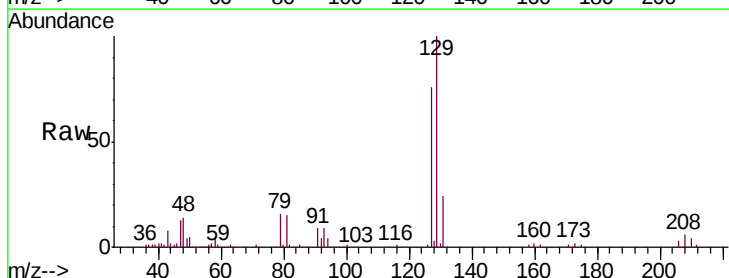


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

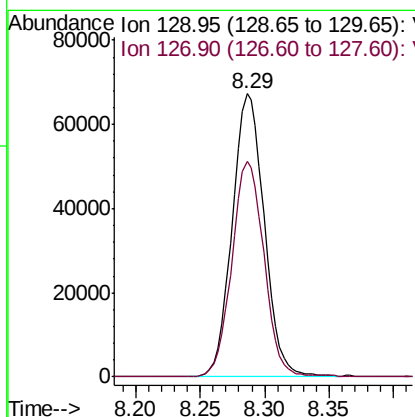
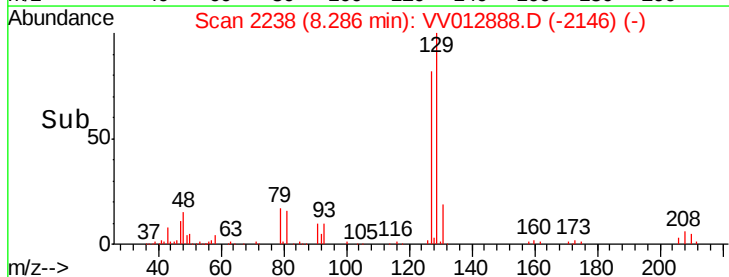


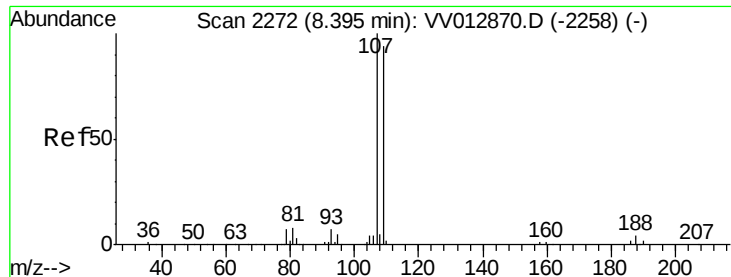
#49
Dibromochloromethane
Concen: 4.664 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012888.D
Acq: 18 Sep 2019 11:15

Tgt Ion:	129	Resp:	116323
Ion	Ratio	Lower	Upper
129	100		
127	76.3	54.7	101.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

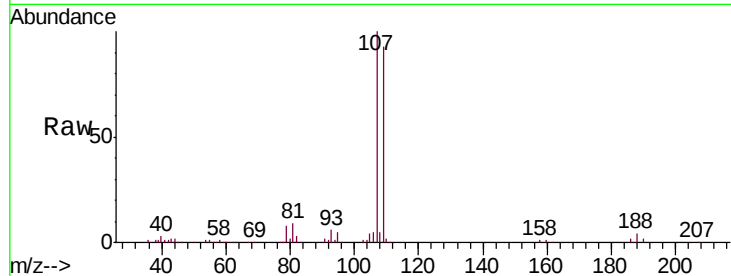




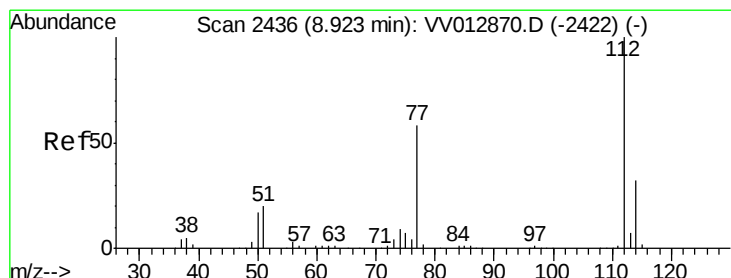
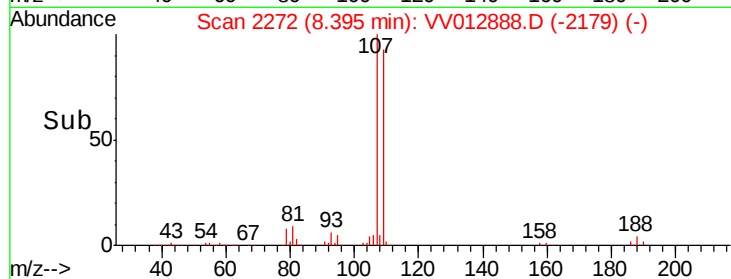
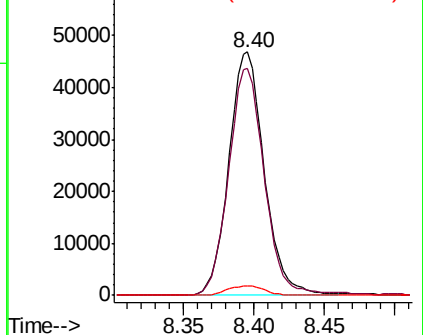
#50
 1,2-Dibromoethane
 Concen: 4.520 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion:107 Resp: 82388
 Ion Ratio Lower Upper
 107 100
 109 93.3 68.0 126.2
 188 4.1 3.2 4.8

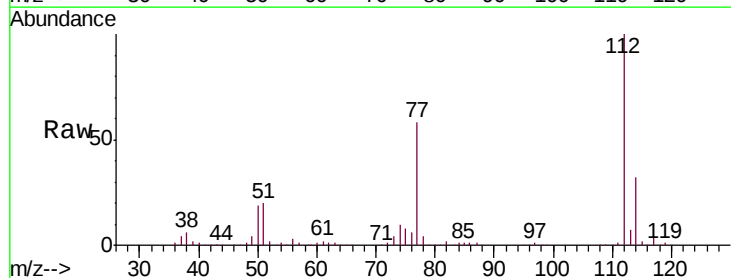


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

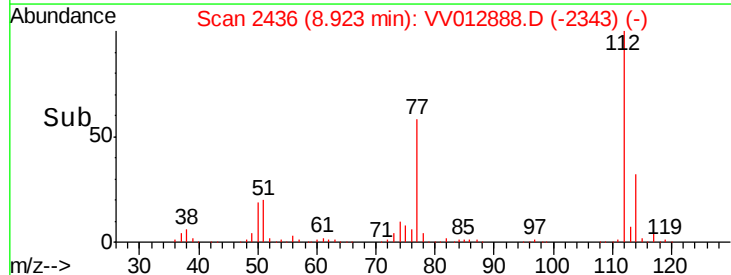
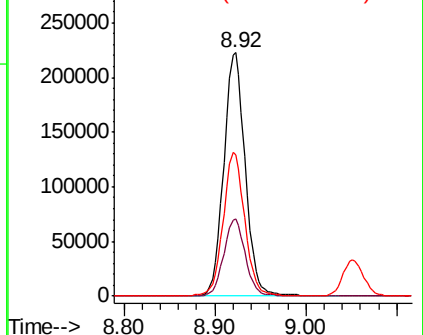


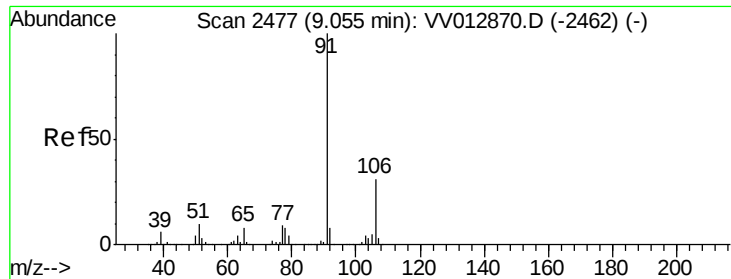
#51
 Chlorobenzene
 Concen: 4.772 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

Tgt Ion:112 Resp: 365668
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.3 41.5
 77 57.9 45.8 68.8



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.978 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012888.D

Acq: 18 Sep 2019 11:15

Instrument :

MSVOA_V

ClientSampleId :

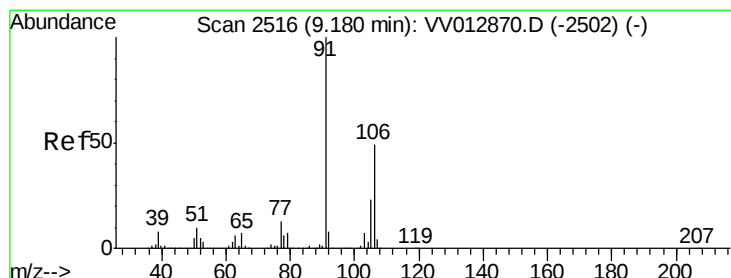
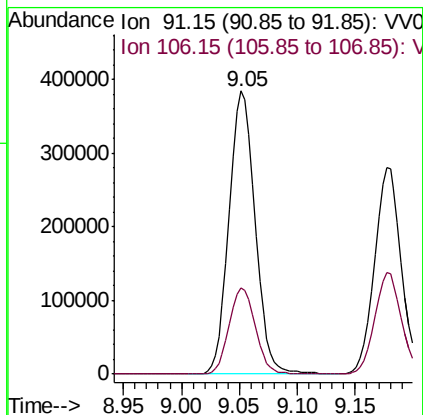
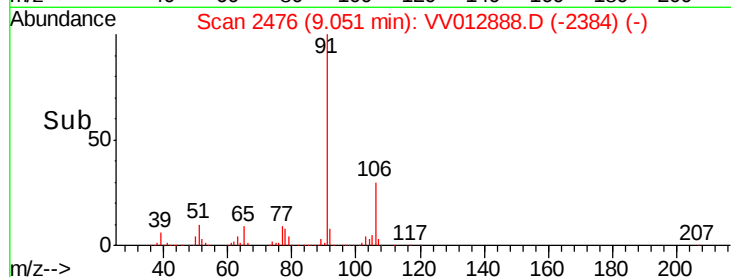
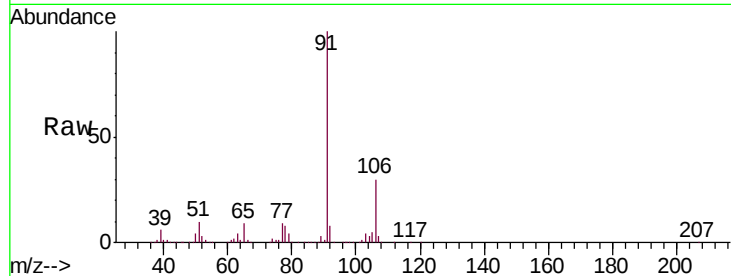
VSTD00539

Tgt Ion: 91 Resp: 596136

Ion Ratio Lower Upper

91 100

106 30.3 21.7 40.3



#53

m,p-xylene

Concen: 5.093 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV012888.D

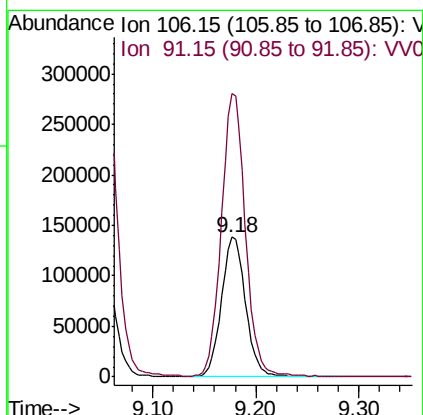
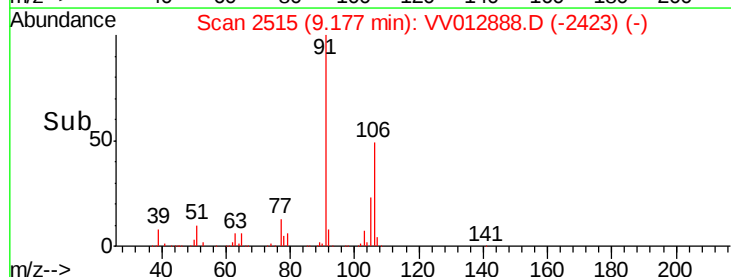
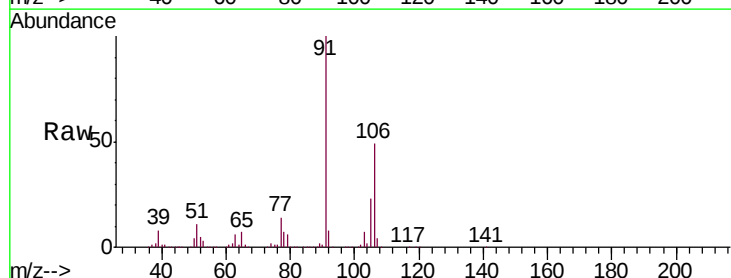
Acq: 18 Sep 2019 11:15

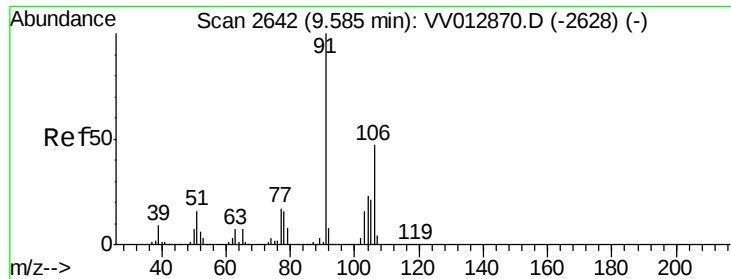
Tgt Ion: 106 Resp: 224976

Ion Ratio Lower Upper

106 100

91 203.1 139.6 259.2





#54

o-xylene

Concen: 5.012 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012888.D

Acq: 18 Sep 2019 11:15

Instrument :

MSVOA_V

ClientSampleId :

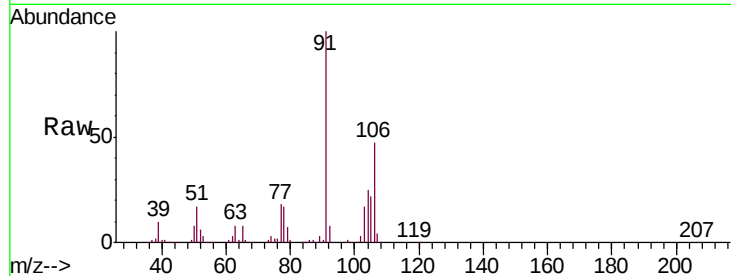
VSTD00539

Tgt Ion:106 Resp: 217635

Ion Ratio Lower Upper

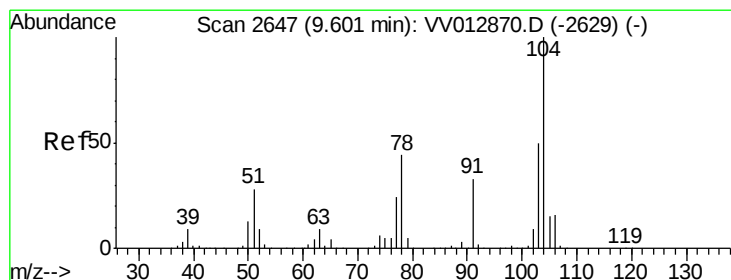
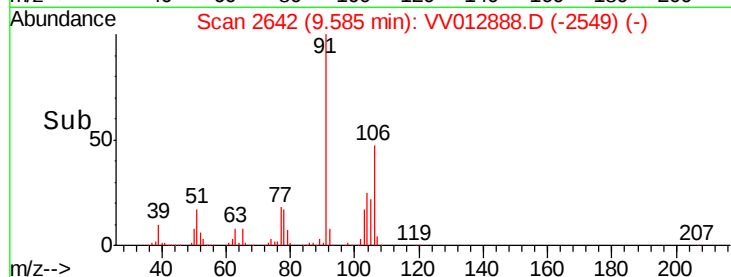
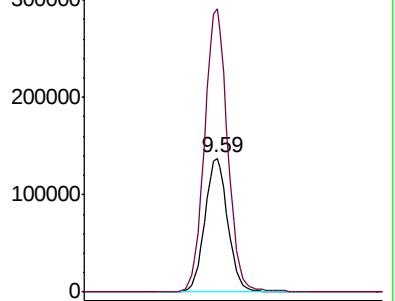
106 100

91 211.0 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.240 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012888.D

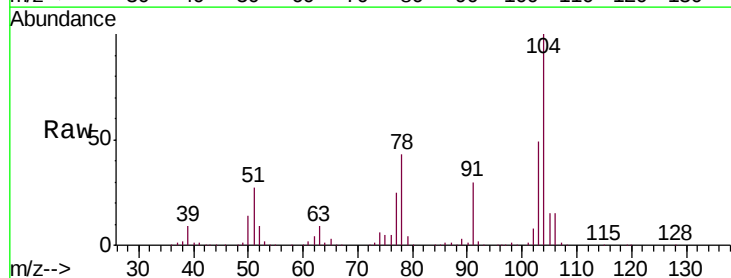
Acq: 18 Sep 2019 11:15

Tgt Ion:104 Resp: 390394

Ion Ratio Lower Upper

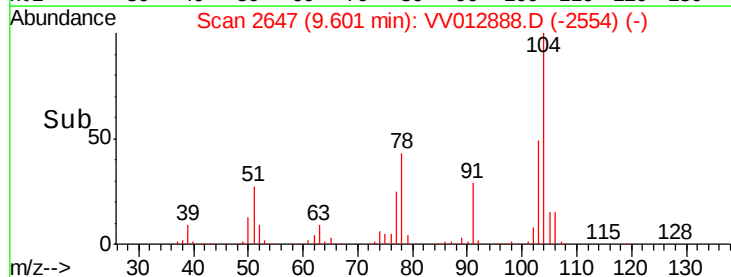
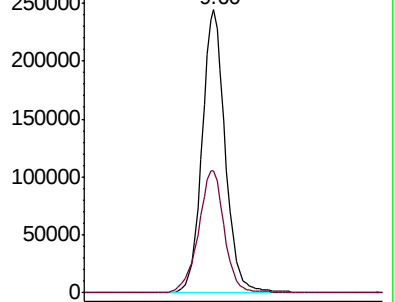
104 100

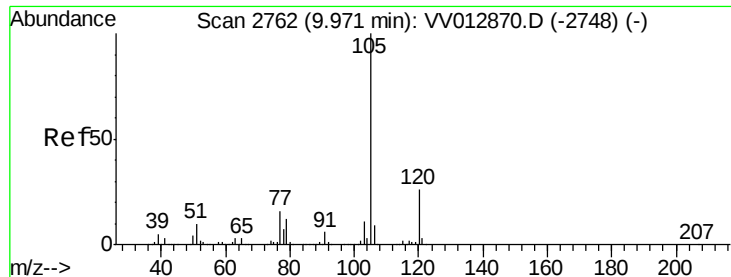
78 43.2 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

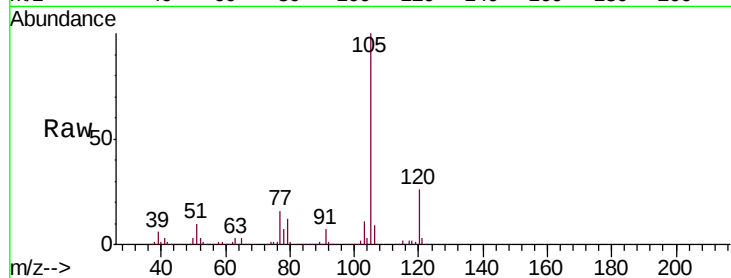




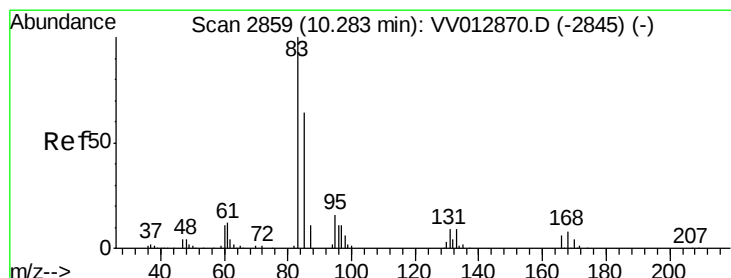
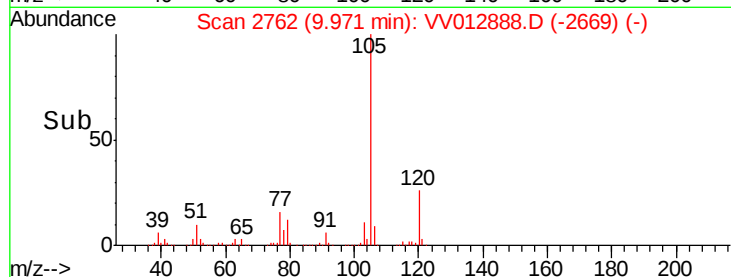
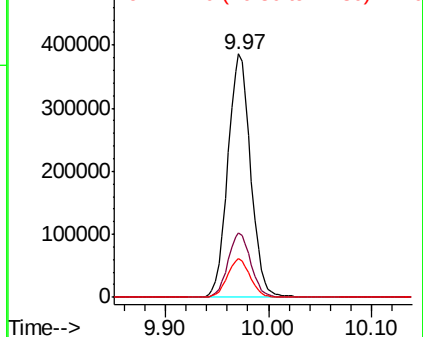
#56
Isopropylbenzene
Concen: 5.110 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. -0.00 min
Lab File: VV012888.D
Acq: 18 Sep 2019 11:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.8	31.2
77	15.8	12.6	19.0

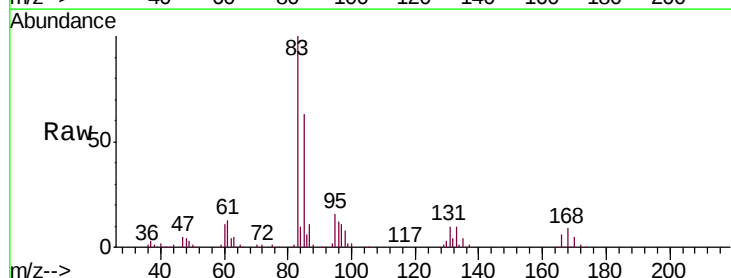


Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V

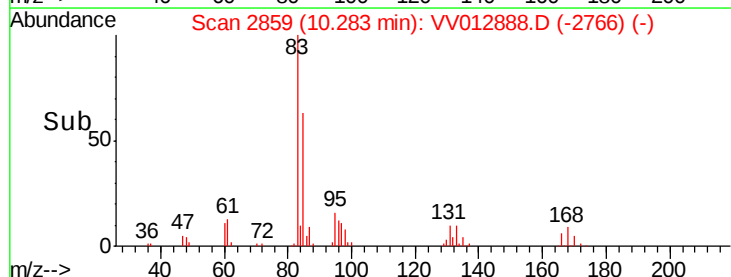
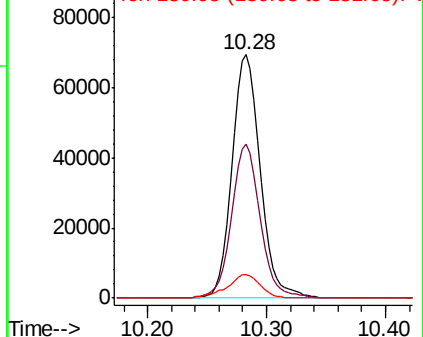


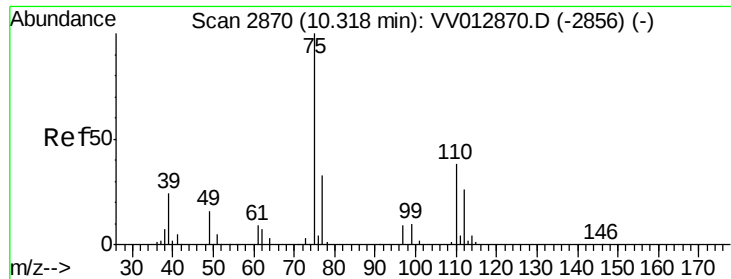
#58
1,1,2,2-Tetrachloroethane
Concen: 4.169 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VV012888.D
Acq: 18 Sep 2019 11:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	43.9	81.5
131	9.8	7.5	11.3



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.339 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012888.D

Acq: 18 Sep 2019 11:15

Instrument :

MSVOA_V

ClientSampled :

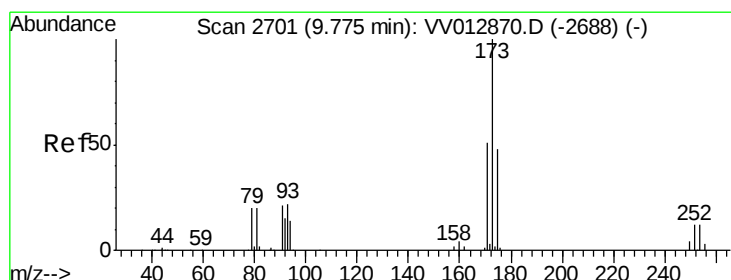
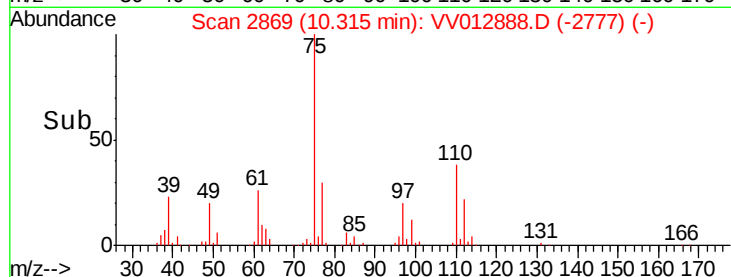
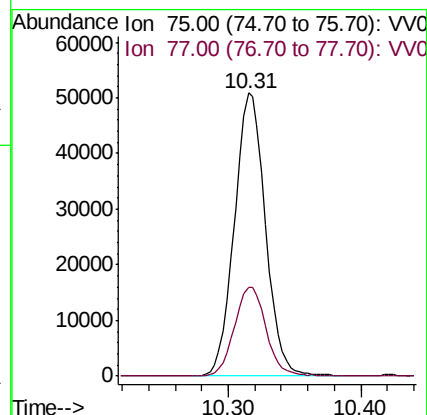
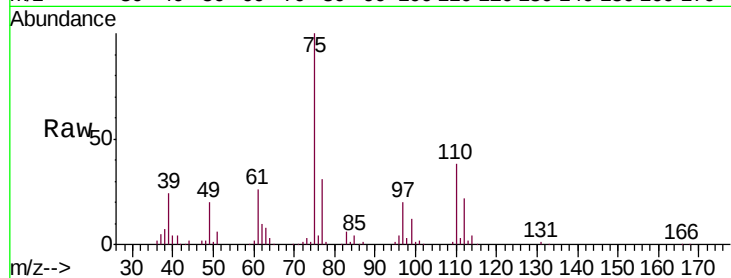
VSTD00539

Tgt Ion: 75 Resp: 82737

Ion Ratio Lower Upper

75 100

77 32.3 26.1 39.1



#61

Bromoform

Concen: 4.327 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV012888.D

Acq: 18 Sep 2019 11:15

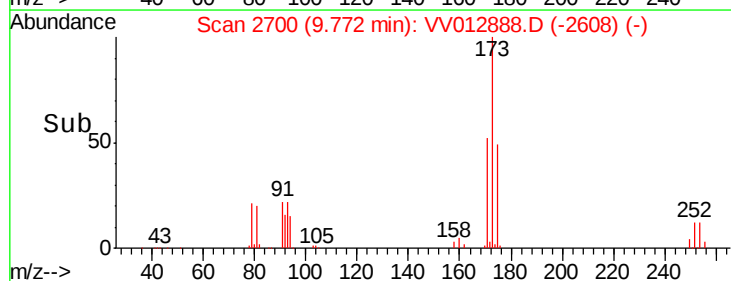
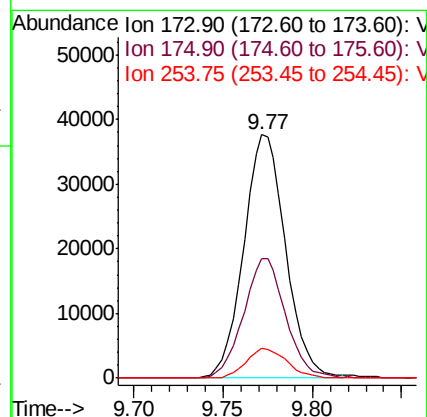
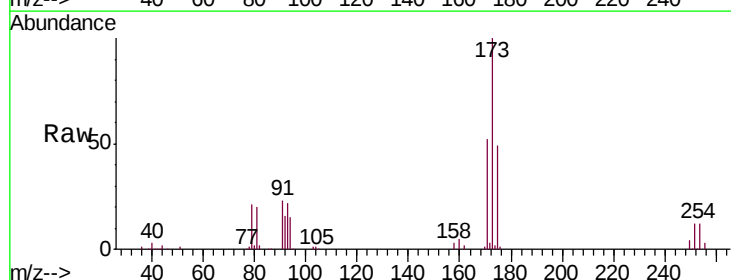
Tgt Ion: 173 Resp: 61705

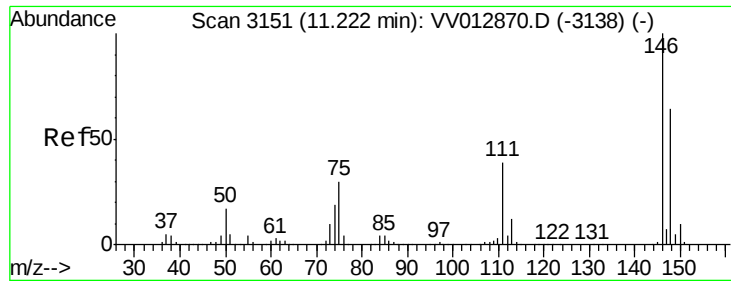
Ion Ratio Lower Upper

173 100

175 49.3 39.2 58.8

254 11.8 9.4 14.0





#62

1,3-Dichlorobenzene

Concen: 4.867 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV012888.D

Acq: 18 Sep 2019 11:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

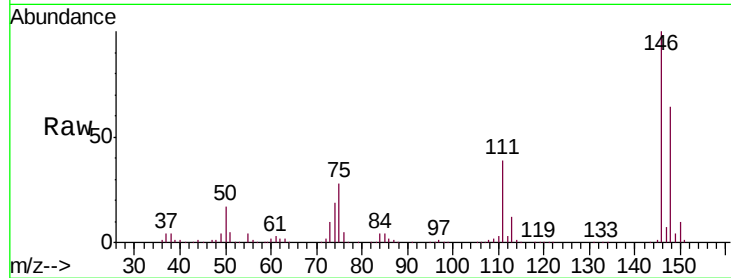
Tgt Ion:146 Resp: 302430

Ion Ratio Lower Upper

146 100

111 38.7 27.8 51.6

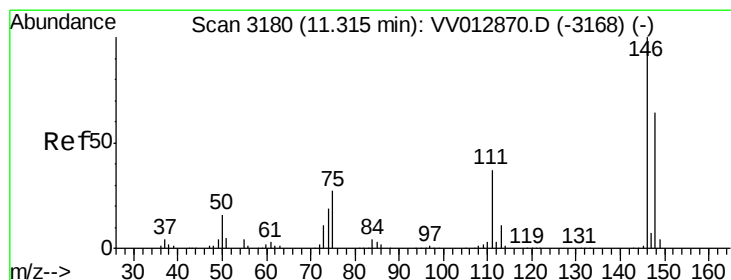
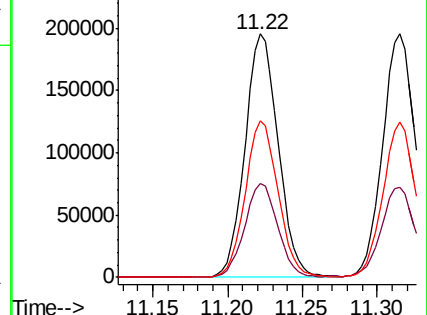
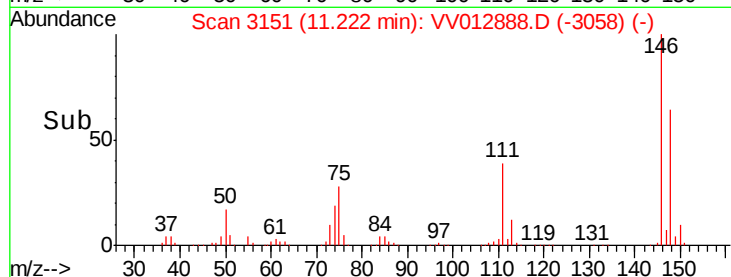
148 64.3 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.746 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012888.D

Acq: 18 Sep 2019 11:15

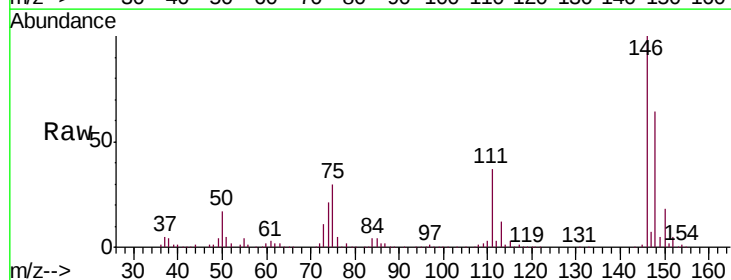
Tgt Ion:146 Resp: 302657

Ion Ratio Lower Upper

146 100

111 37.1 25.6 47.4

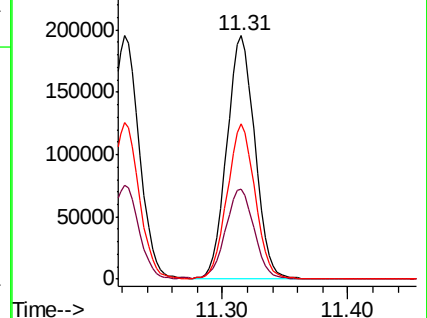
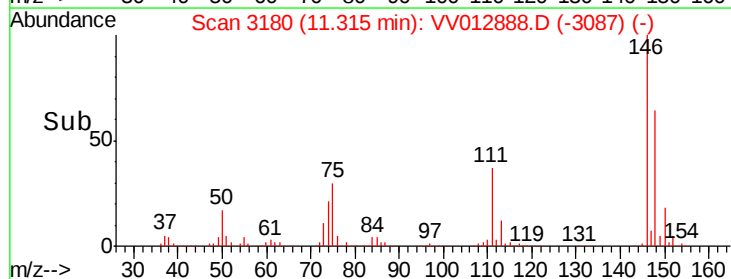
148 63.6 44.5 82.7

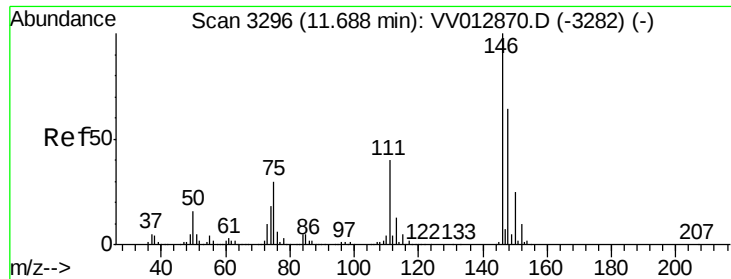


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

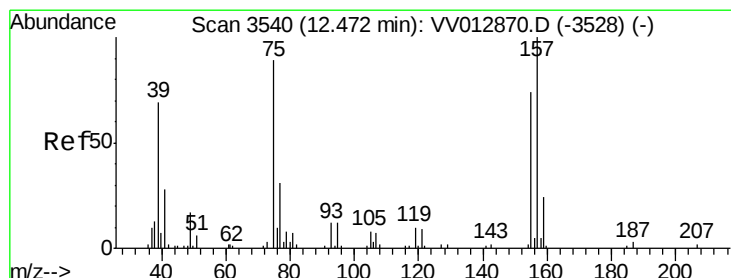
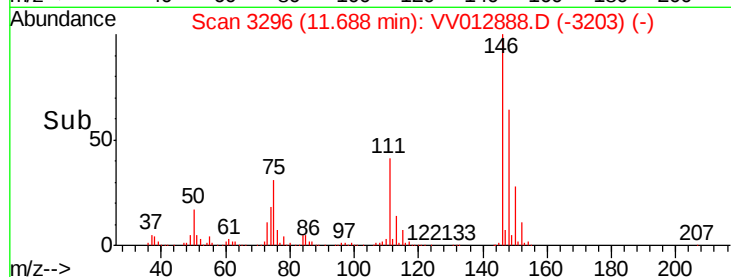
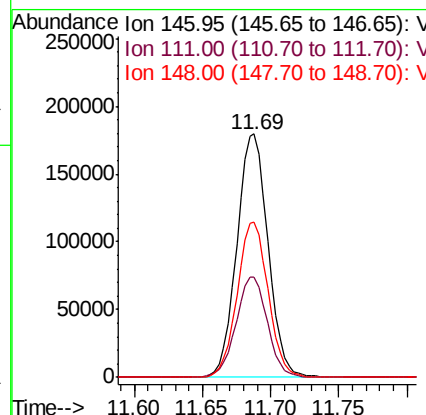
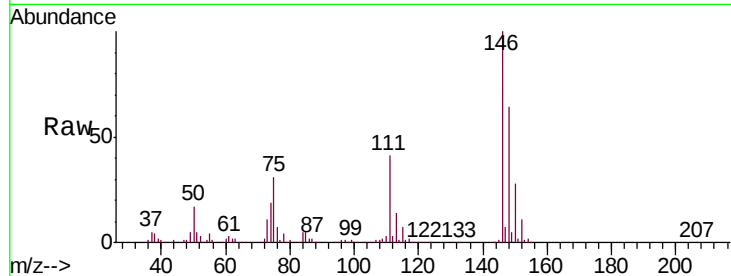




#65
 1,2-Dichlorobenzene
 Concen: 4.641 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

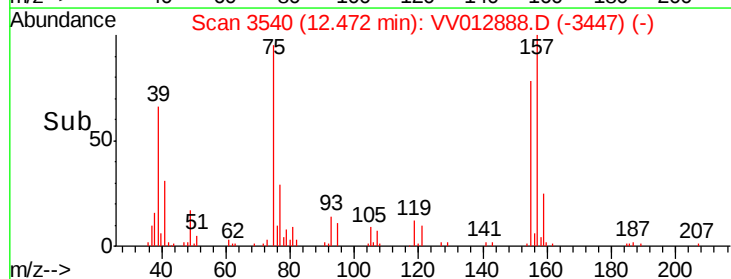
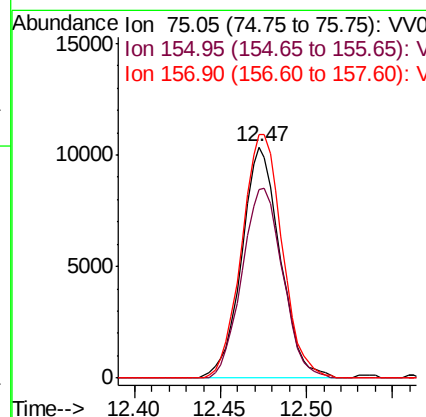
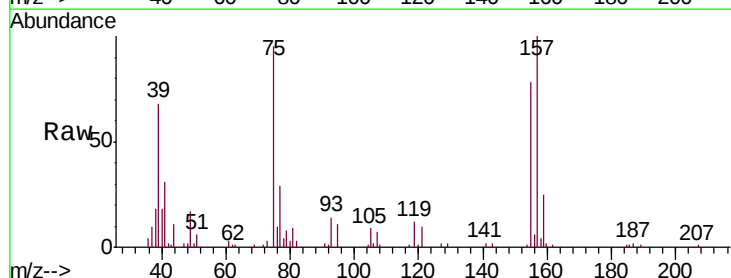
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

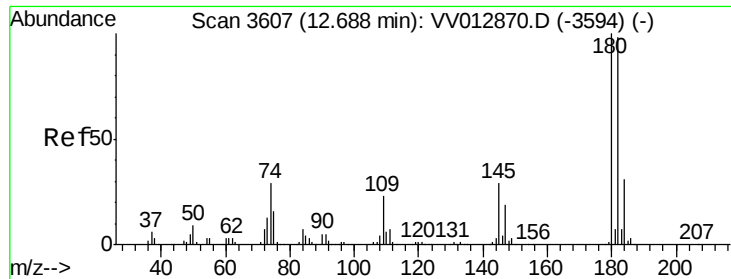
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	32.8	49.2
148	64.0	51.1	76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.819 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	72.4	108.6
157	105.4	89.3	133.9

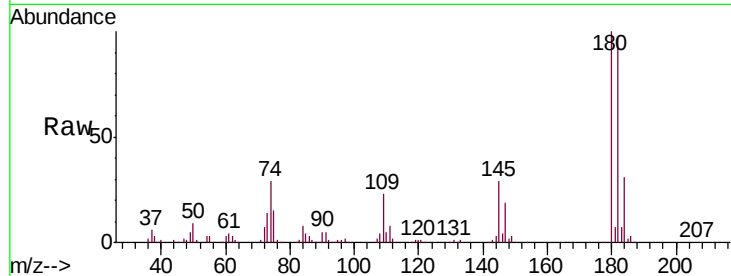




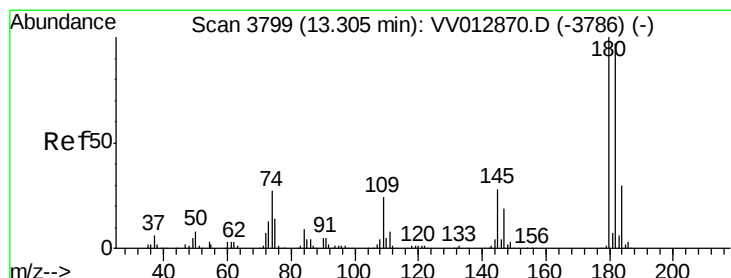
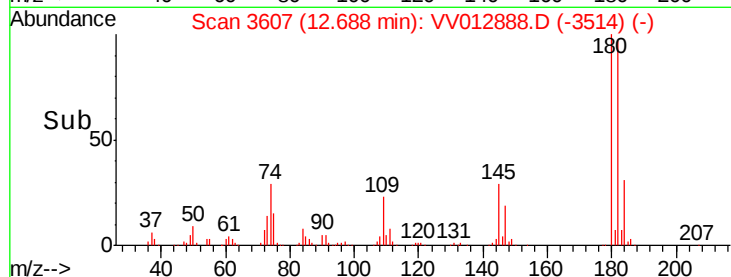
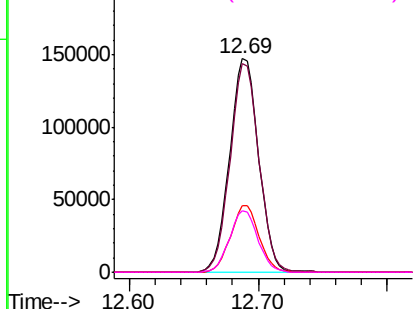
#67
 1,3,5-Trichlorobenzene
 Concen: 4.738 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion:	180	Resp:	230220
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.2	114.4
184	30.6	24.6	36.8
145	28.4	22.1	33.1

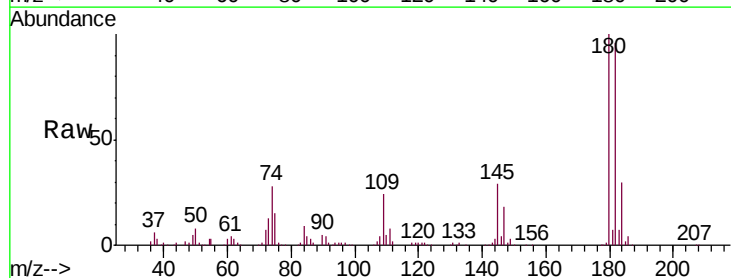


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

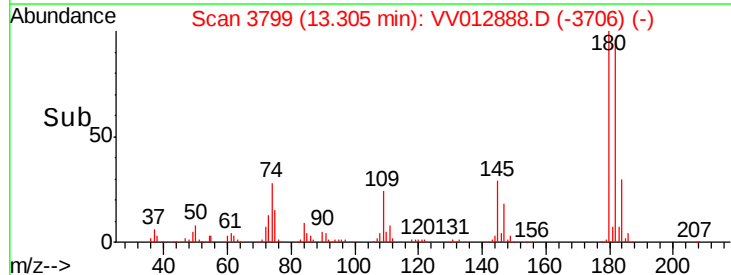
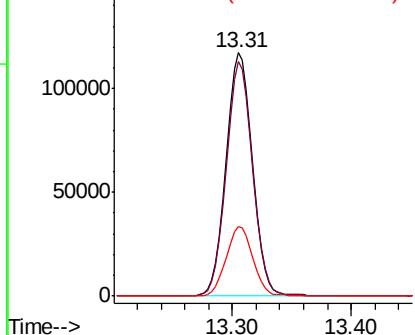


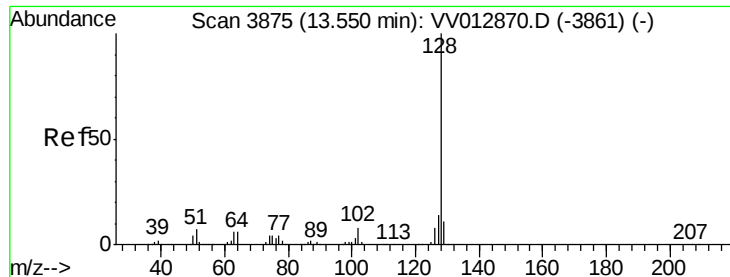
#68
 1,2,4-trichlorobenzene
 Concen: 4.626 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV012888.D
 Acq: 18 Sep 2019 11:15

Tgt Ion:	180	Resp:	180491
Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.6
145	28.9	22.9	34.3



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.063 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012888.D

Acq: 18 Sep 2019 11:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

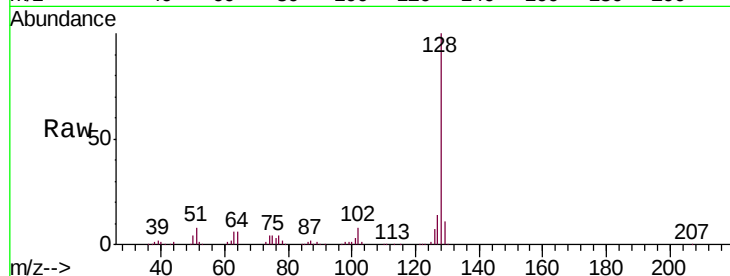
Tgt Ion:128 Resp: 239520

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

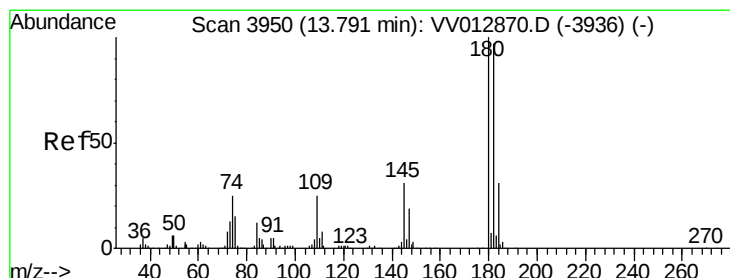
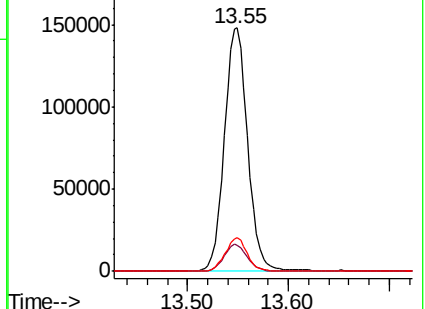
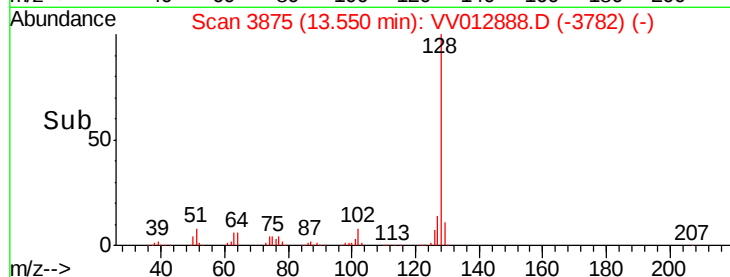
127 13.1 10.5 15.7



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: 4.537 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012888.D

Acq: 18 Sep 2019 11:15

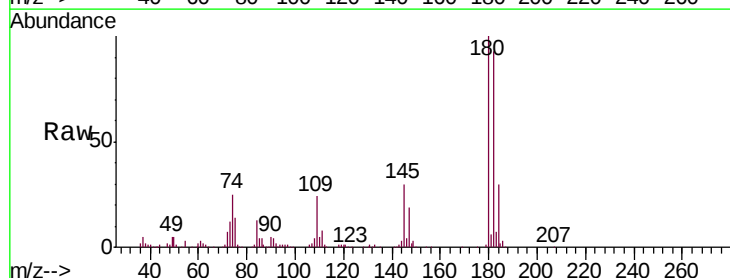
Tgt Ion:180 Resp: 174633

Ion Ratio Lower Upper

180 100

182 95.2 76.1 114.1

145 30.1 23.7 35.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

