

Data File : VV009856.D
Acq On : 25 Mar 2019 12:35
Operator : SY/MD
Sample : VSTD10066
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

Quant Time: Mar 26 06:03:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 05:58:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	176462	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	200130	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	102074	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	179110	135.39	ug/L	0.00
7) Chloroethane-d5	1.55	69	223878	185.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	528135	188.74	ug/L	0.00
21) 2-Butanone-d5	3.93	46	168938	195.36	ug/L	0.00
24) Chloroform-d	4.40	84	258345	114.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	166917	125.67	ug/L	0.00
32) Benzene-d6	5.10	84	520641	98.38	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	159437	96.98	ug/L	0.00
41) Toluene-d8	7.36	98	527472	105.17	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	81601	103.92	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	146284	180.06	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	267514	105.66	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	225398	107.62	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	147225	98.650	ug/L	98
3) Chloromethane	1.25	50	155462	105.424	ug/L	99
5) Vinyl chloride	1.33	62	222990	133.853	ug/L	98
6) Bromomethane	1.51	94	184194	179.792	ug/L	99
8) Chloroethane	1.58	64	174800	159.271	ug/L	94
9) Trichlorofluoromethane	1.76	101	483583	191.525	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	263915	178.932	ug/L	99
12) 1,1-Dichloroethene	2.14	96	239204	170.014	ug/L	84
13) Acetone	2.19	43	168136	186.839	ug/L	98
14) Carbon disulfide	2.31	76	318529	93.374	ug/L	99
15) Methyl Acetate	2.46	43	120261	92.135	ug/L	95
16) Methylene chloride	2.53	84	130111	97.494	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	121040	98.739	ug/L	94
18) Methyl tert-butyl Ether	2.81	73	388675	108.400	ug/L	99
19) 1,1-Dichloroethane	3.23	63	231922	107.085	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	140571	103.791	ug/L	97
22) 2-Butanone	4.02	43	193829	183.422	ug/L	96
23) Bromochloromethane	4.30	128	71096	99.039	ug/L	96
25) Chloroform	4.43	83	249390	109.892	ug/L	98
27) 1,2-Dichloroethane	5.18	62	200440	121.313	ug/L	98
29) Cyclohexane	4.73	56	209401	97.022	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	208354	96.223	ug/L	97
31) Carbon tetrachloride	4.88	117	185701	97.210	ug/L	99
33) Benzene	5.15	78	541165	94.310	ug/L	100
34) Trichloroethene	5.96	95	137449	90.981	ug/L	98
35) Methylcyclohexane	6.18	83	232568	98.249	ug/L	97
37) 1,2-Dichloropropane	6.22	63	132738	90.584	ug/L	# 95
38) Bromodichloromethane	6.56	83	186082	98.855	ug/L	# 97
39) cis-1,3-Dichloropropene	7.07	75	229850	98.174	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	412772	203.575	ug/L	99

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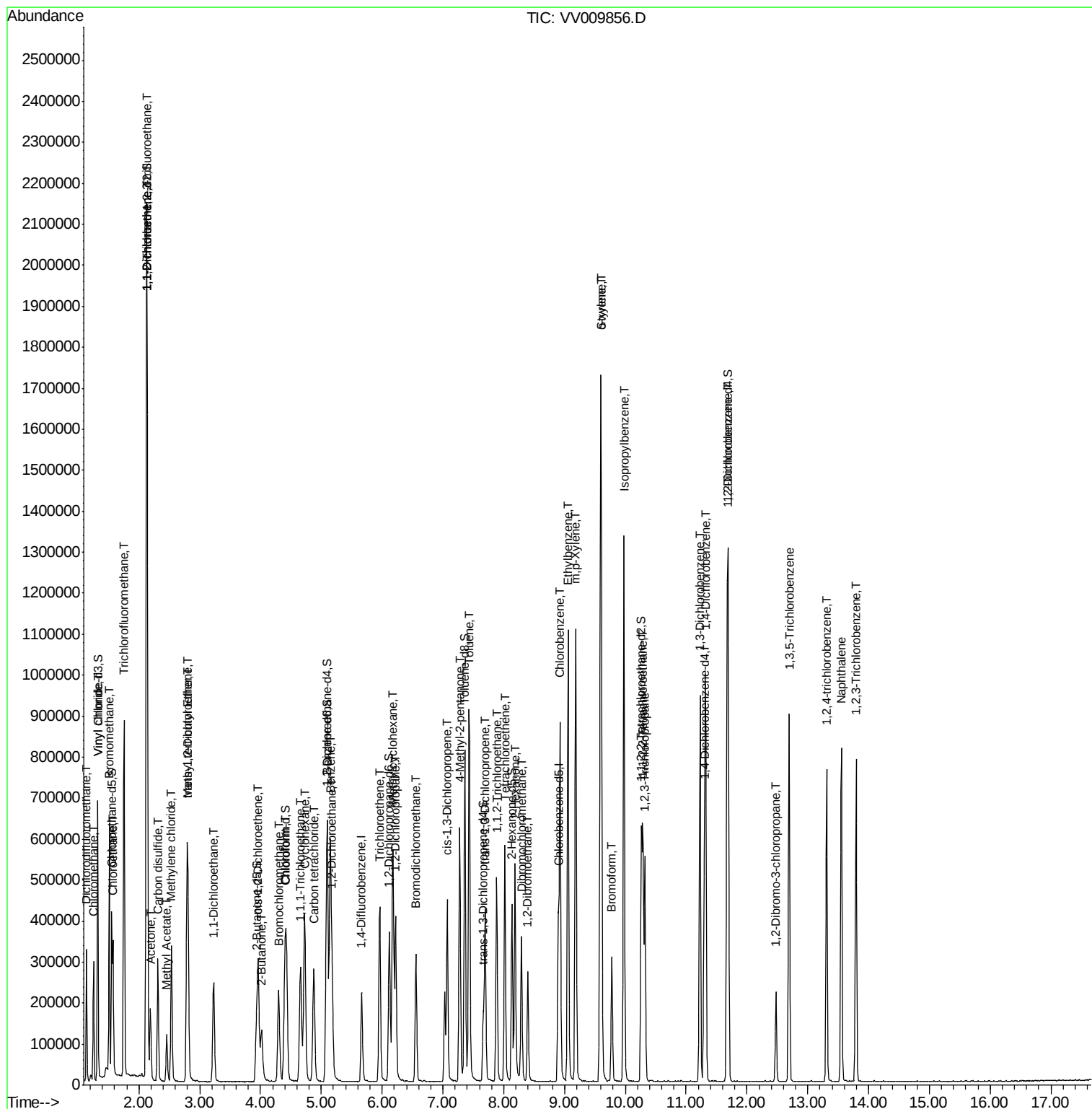
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	645257	102.470	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	212747	104.806	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	142860	95.033	ug/L	98
46) Tetrachloroethene	8.02	164	115069	92.040	ug/L	95
48) 2-Hexanone	8.19	43	316549	188.411	ug/L	97
49) Dibromochloromethane	8.29	129	159448	96.492	ug/L	97
50) 1,2-Dibromoethane	8.40	107	155828	94.423	ug/L	95
51) Chlorobenzene	8.93	112	426751	102.311	ug/L	97
52) Ethylbenzene	9.06	91	750529	109.275	ug/L	98
53) m,p-Xylene	9.18	106	298483	112.979	ug/L	98
54) o-xylene	9.59	106	311910	119.016	ug/L	99
55) Styrene	9.60	104	549890	124.574	ug/L	96
56) Isopropylbenzene	9.98	105	800150	118.599	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	270344	103.540	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	195326	98.442	ug/L	99
61) Bromoform	9.78	173	111234	88.606	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	335922	103.154	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	344667	101.623	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	350331	104.622	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	46535	87.109	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	237136	95.037	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	195114	90.323	ug/L	100
69) Naphthalene	13.55	128	572146	85.198	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	200117	88.840	ug/L	97

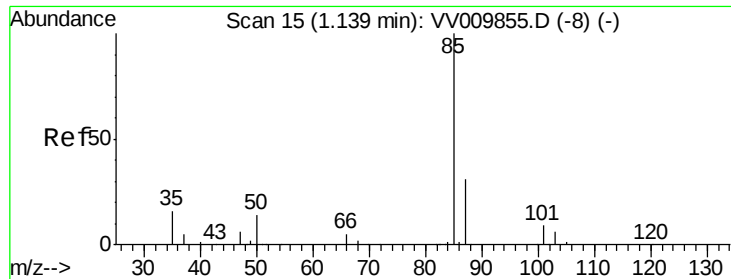
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 98.650 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

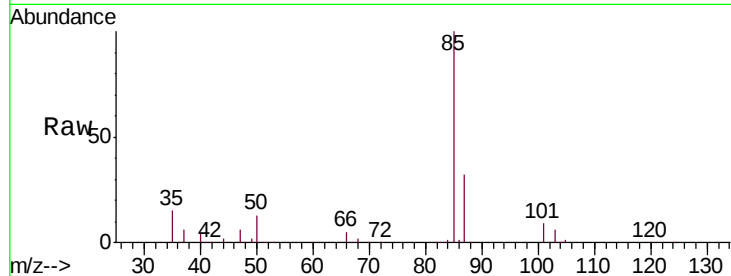
Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

Tgt Ion: 85 Resp: 147225

Ion Ratio Lower Upper

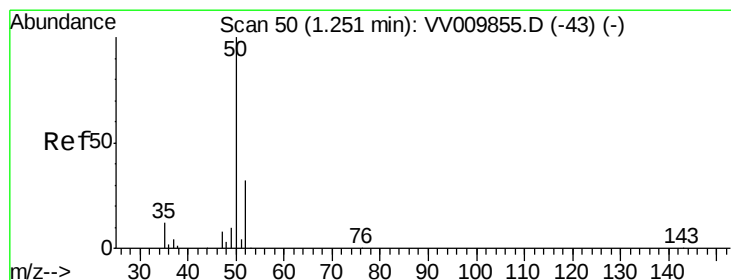
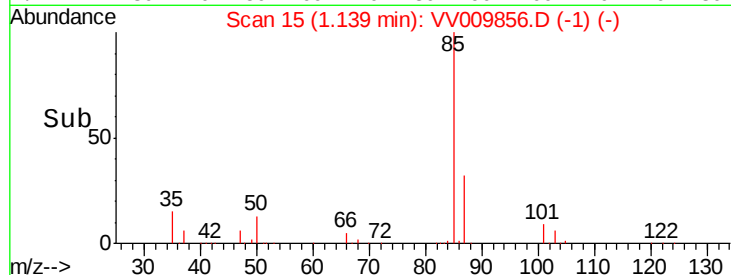
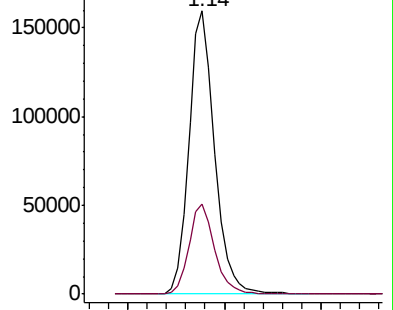
85 100

87 31.8 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV009855.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009855.D (-8) (-)



#3

Chloromethane

Concen: 105.424 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV009856.D

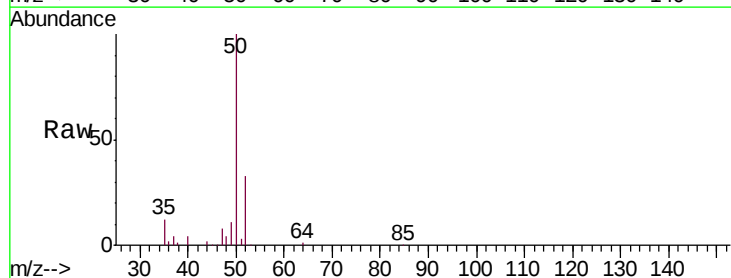
Acq: 25 Mar 2019 12:35

Tgt Ion: 50 Resp: 155462

Ion Ratio Lower Upper

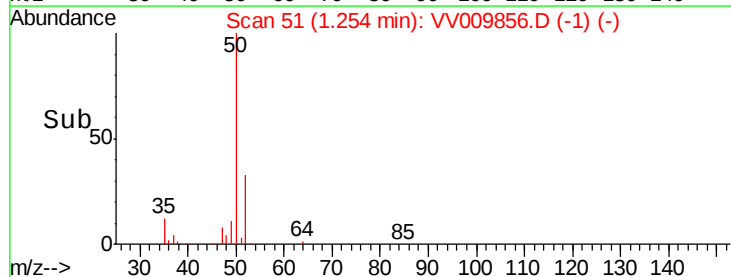
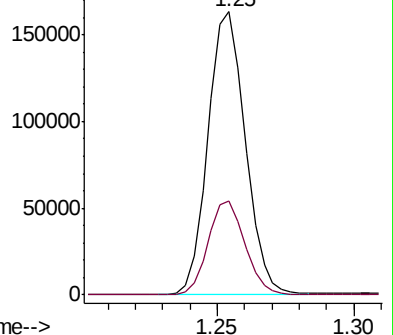
50 100

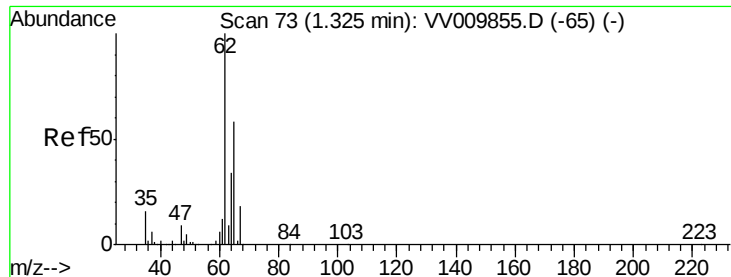
52 33.0 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VV009855.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009855.D (-43) (-)





#5

Vinyl chloride

Concen: 133.853 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

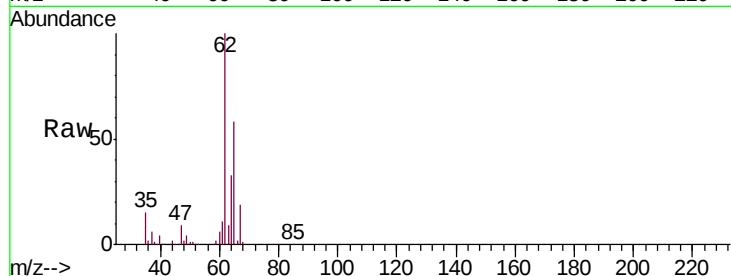
VSTD10066

Tgt Ion: 62 Resp: 222990

Ion Ratio Lower Upper

62 100

64 32.9 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VV009855.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009855.D (-65) (-)

1.33

250000

200000

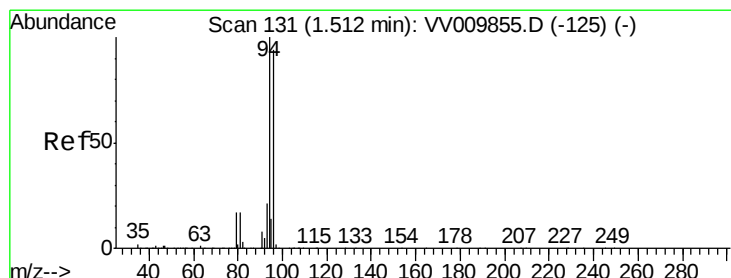
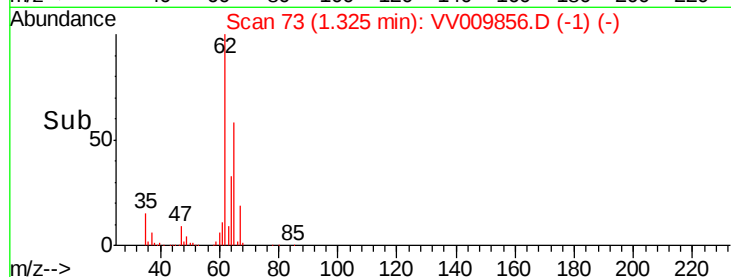
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 179.792 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.00 min

Lab File: VV009856.D

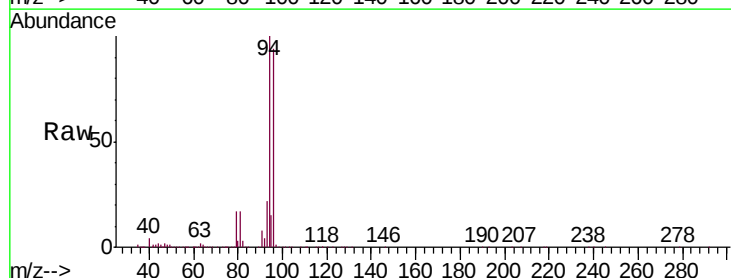
Acq: 25 Mar 2019 12:35

Tgt Ion: 94 Resp: 184194

Ion Ratio Lower Upper

94 100

96 94.1 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV009855.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV009855.D (-125) (-)

1.51

250000

200000

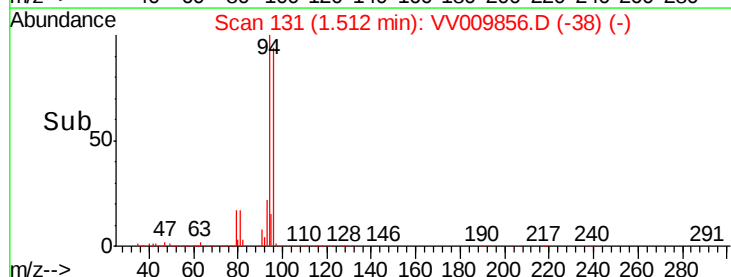
150000

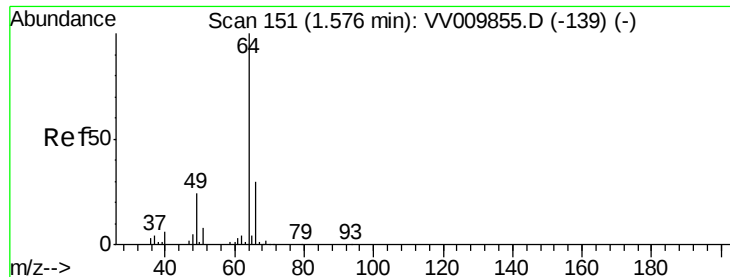
100000

50000

0

Time-->

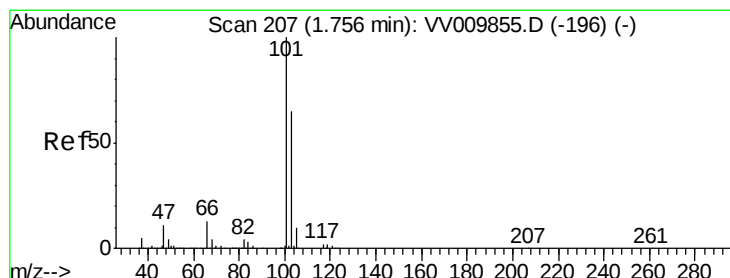
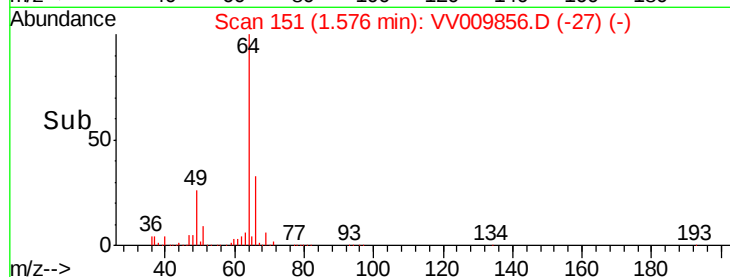
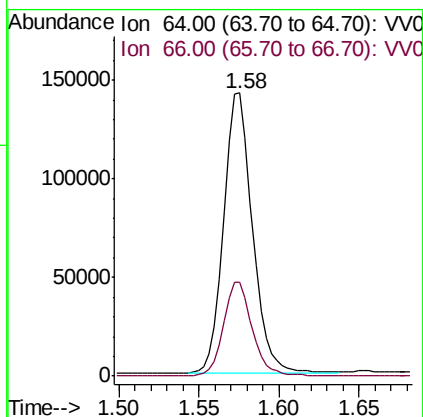
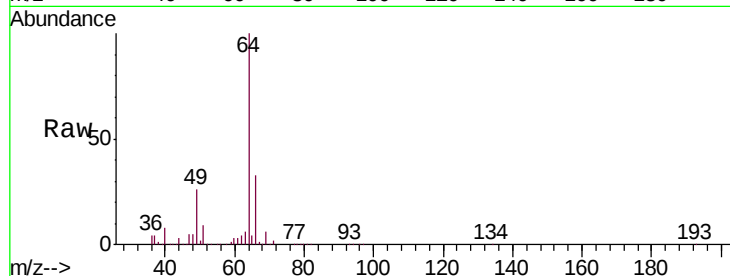




#8
Chloroethane
Concen: 159.271 ug/L
RT: 1.58 min Scan# 151
Delta R.T. -0.00 min
Lab File: VV009856.D
Acq: 25 Mar 2019 12:35

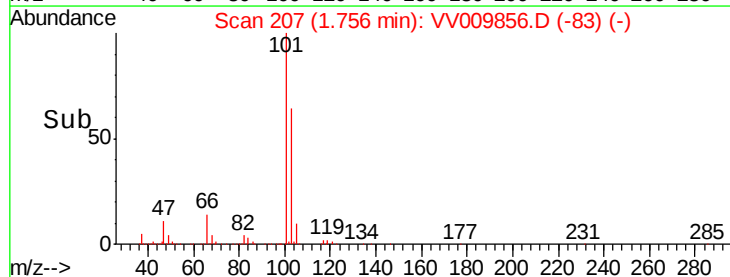
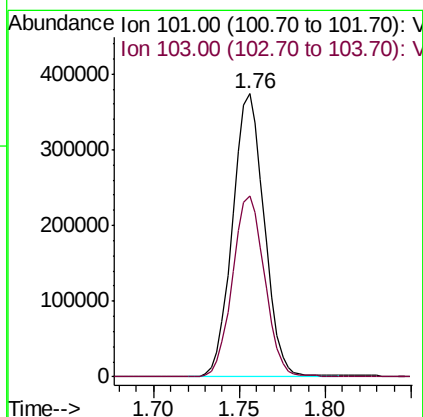
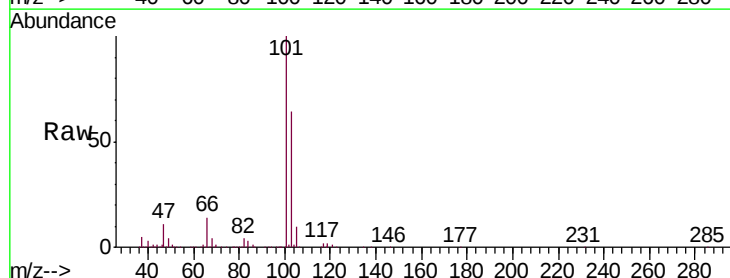
Instrument :
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ClientSampleId :
VSTD10066

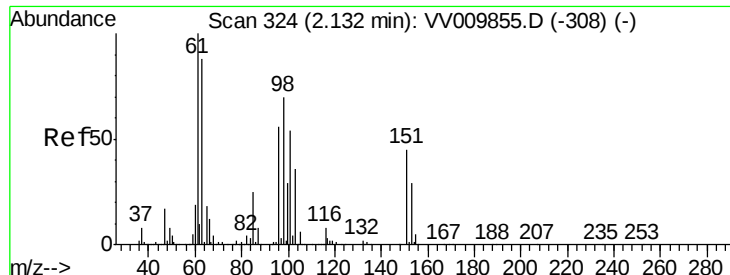
Tgt Ion: 64 Resp: 174800
Ion Ratio Lower Upper
64 100
66 33.1 20.9 38.7



#9
Trichlorofluoromethane
Concen: 191.525 ug/L
RT: 1.76 min Scan# 207
Delta R.T. -0.00 min
Lab File: VV009856.D
Acq: 25 Mar 2019 12:35

Tgt Ion: 101 Resp: 483583
Ion Ratio Lower Upper
101 100
103 64.7 52.2 78.4





#10

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

Concen: 178.932 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

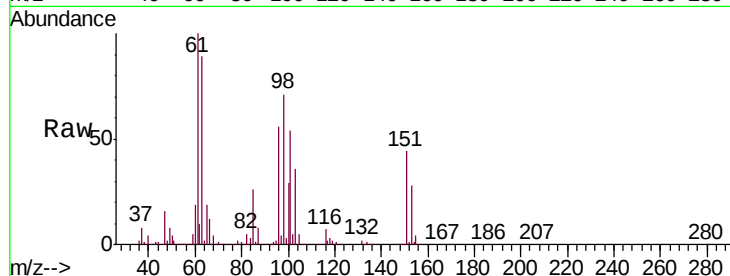
Tgt Ion:101 Resp: 263915

Ion Ratio Lower Upper

101 100

85 46.6 37.0 55.4

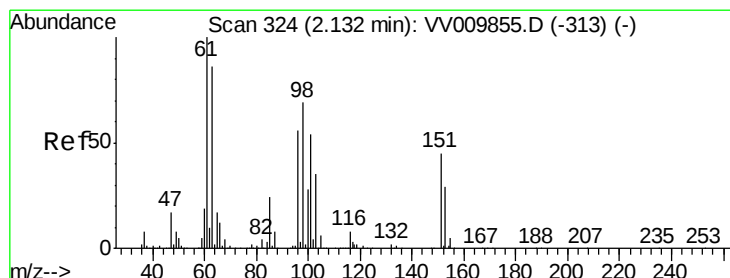
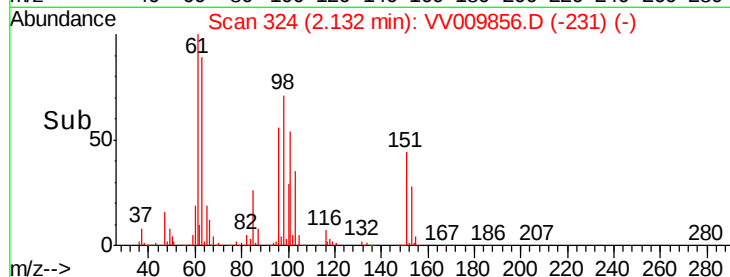
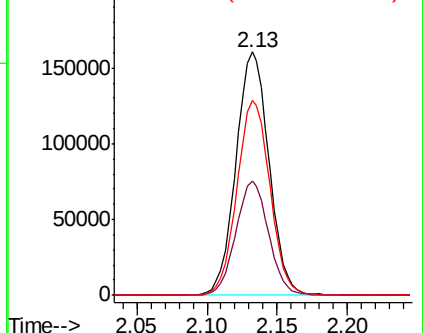
151 80.1 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): VV009855.D (-308) (-)

Ion 85.00 (84.70 to 85.70): VV009855.D (-308) (-)

Ion 151.00 (150.70 to 151.70): VV009855.D (-308) (-)



#12

1,1-Dichloroethene

Concen: 170.014 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

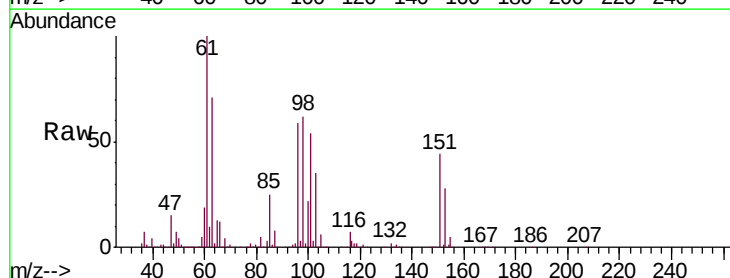
Tgt Ion: 96 Resp: 239204

Ion Ratio Lower Upper

96 100

61 170.3 125.3 232.7

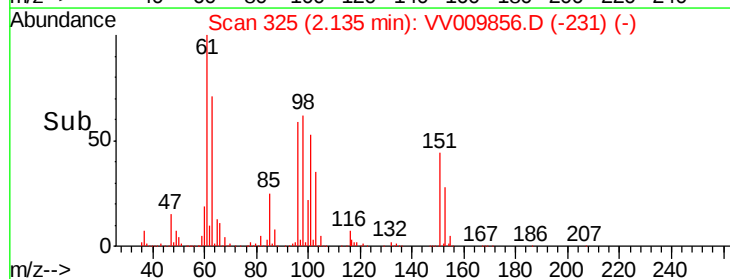
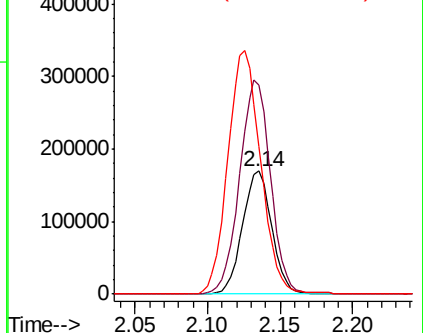
63 120.5 109.7 203.7

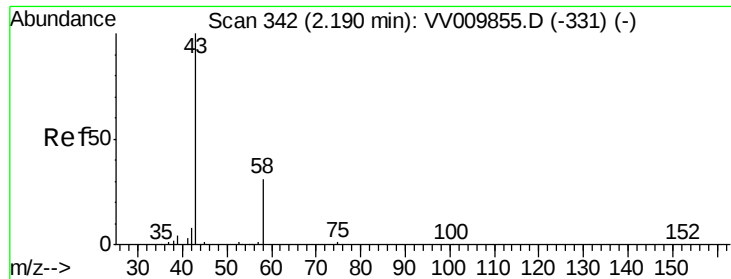


Abundance Ion 96.00 (95.70 to 96.70): VV009856.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV009856.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV009856.D (-231) (-)





#13

Acetone

Concen: 186.839 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

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ClientSampleId :

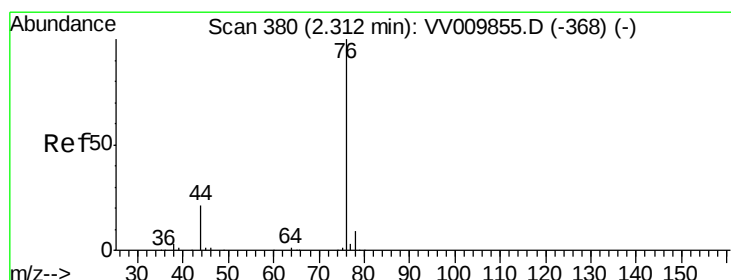
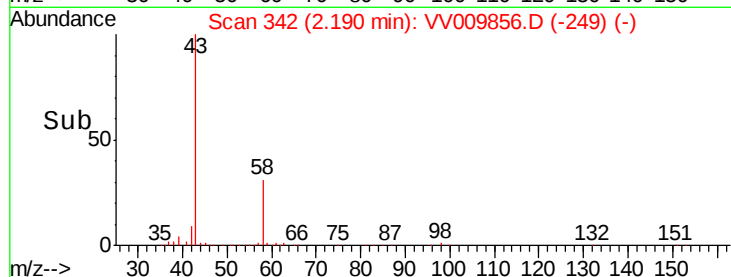
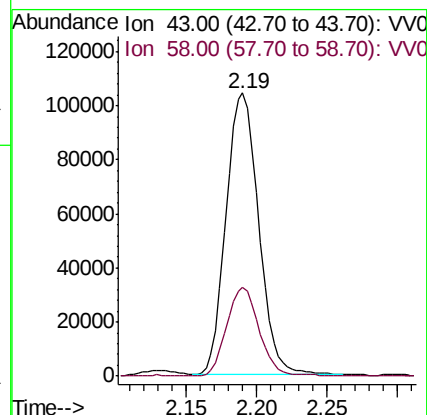
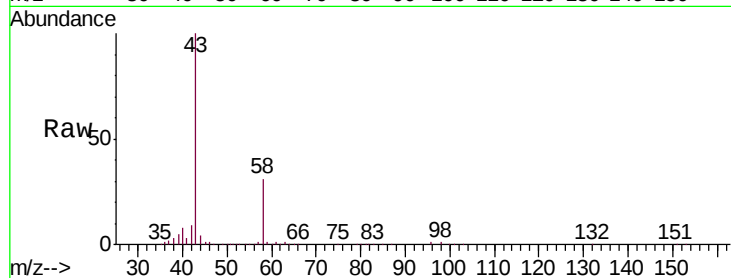
VSTD10066

Tgt Ion: 43 Resp: 168136

Ion Ratio Lower Upper

43 100

58 31.6 0.0 65.2



#14

Carbon disulfide

Concen: 93.374 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009856.D

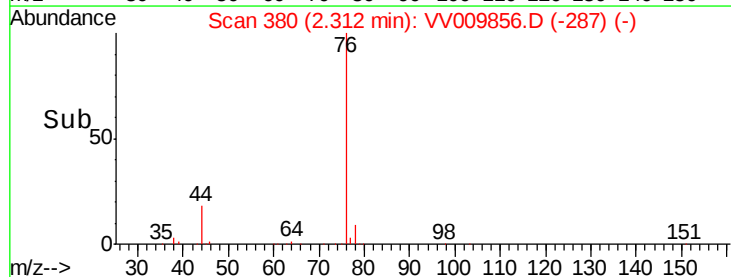
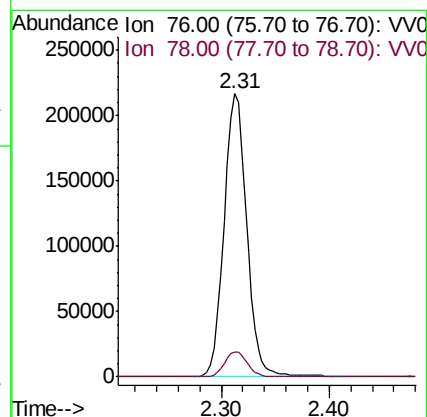
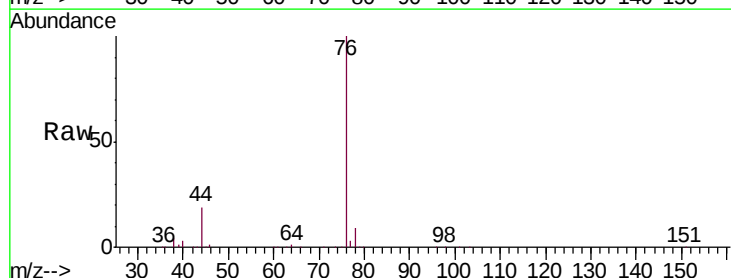
Acq: 25 Mar 2019 12:35

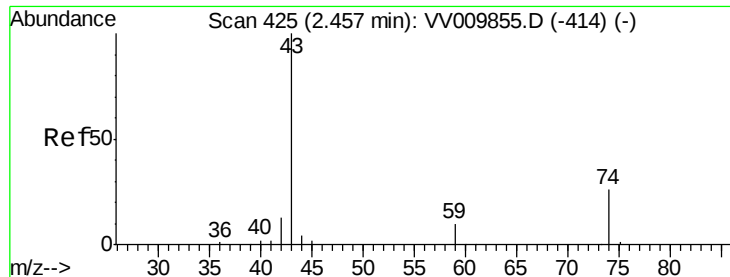
Tgt Ion: 76 Resp: 318529

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

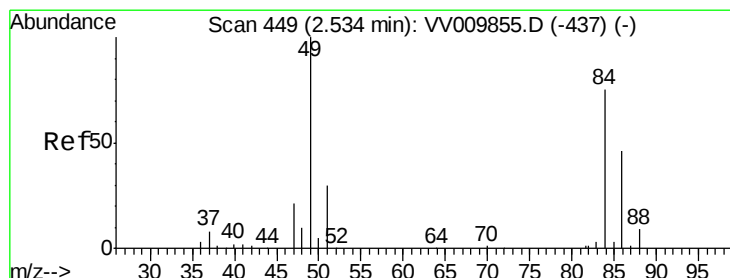
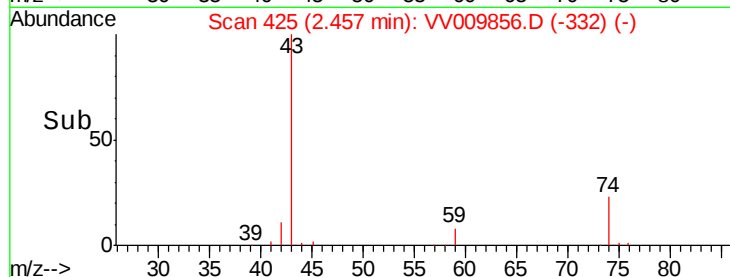
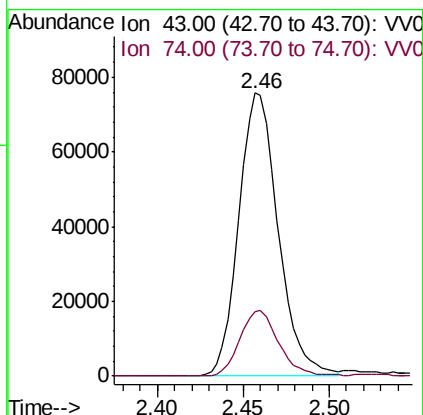
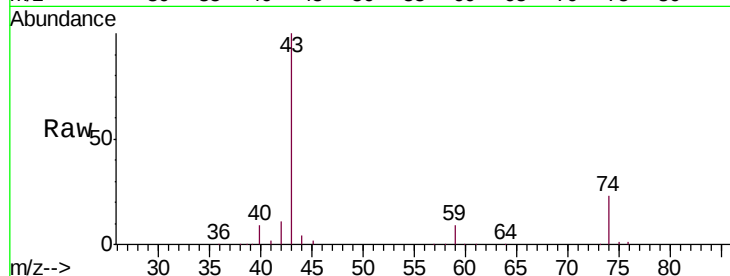




#15
Methyl Acetate
Concen: 92.135 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV009856.D
Acq: 25 Mar 2019 12:35

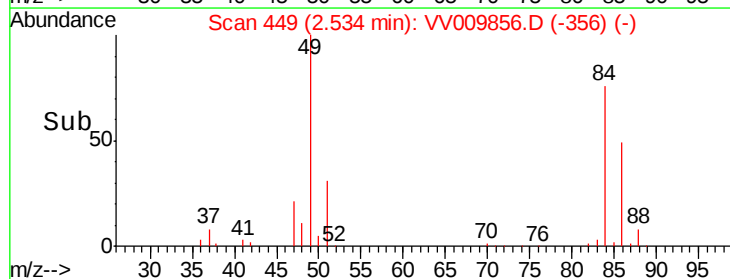
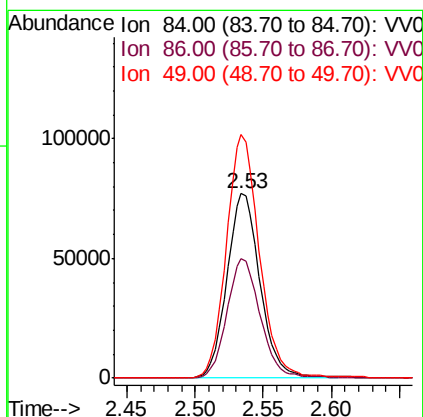
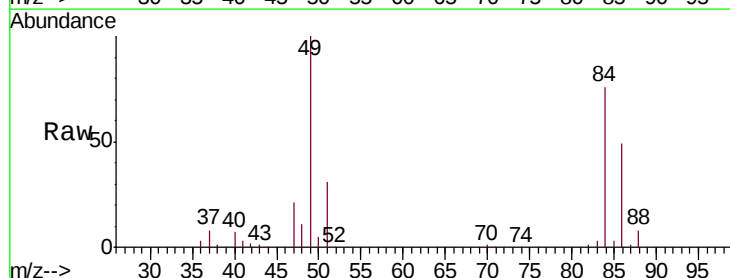
Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

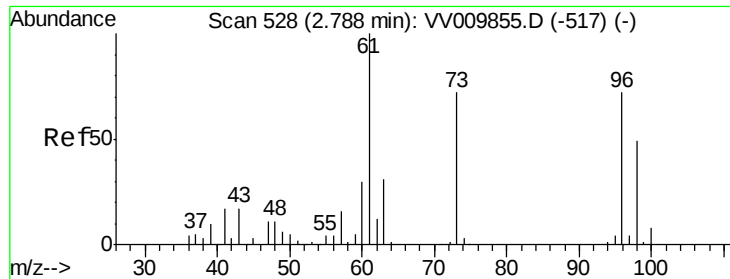
Tgt Ion: 43 Resp: 120261
Ion Ratio Lower Upper
43 100
74 23.0 20.6 31.0



#16
Methylene chloride
Concen: 97.494 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009856.D
Acq: 25 Mar 2019 12:35

Tgt Ion: 84 Resp: 130111
Ion Ratio Lower Upper
84 100
86 64.8 42.8 79.4
49 132.2 93.7 173.9





#17

trans-1,2-Dichloroethene

Concen: 98.739 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampled :

VSTD10066

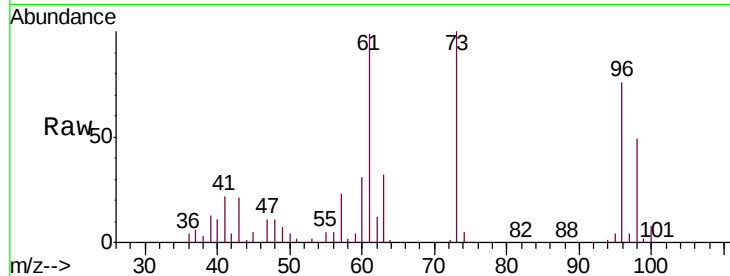
Tgt Ion: 96 Resp: 121040

Ion Ratio Lower Upper

96 100

61 129.5 96.9 179.9

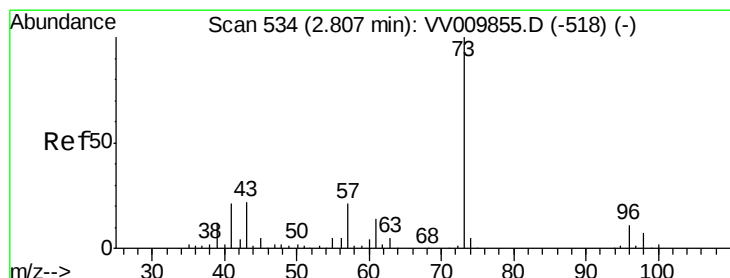
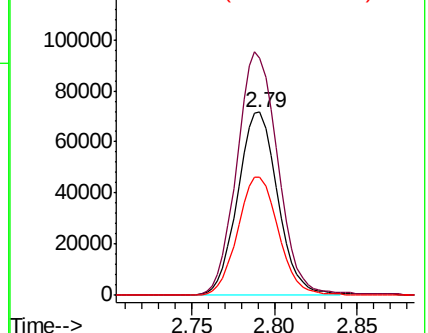
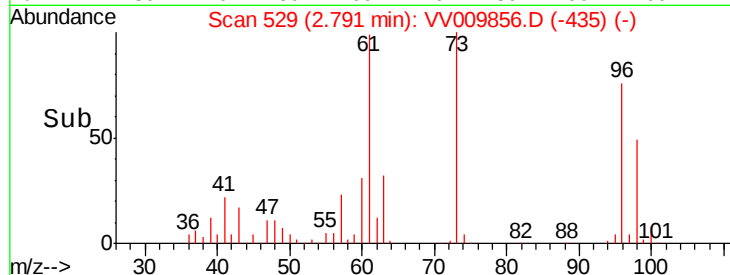
98 64.3 46.8 87.0



Abundance Ion 96.00 (95.70 to 96.70): VV009855.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV009855.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV009855.D (-517) (-)



#18

Methyl tert-butyl Ether

Concen: 108.400 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

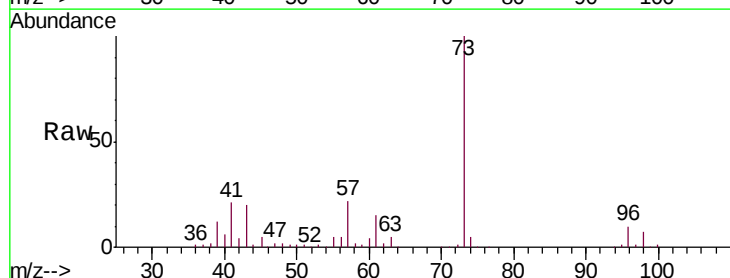
Tgt Ion: 73 Resp: 388675

Ion Ratio Lower Upper

73 100

43 20.6 17.1 25.7

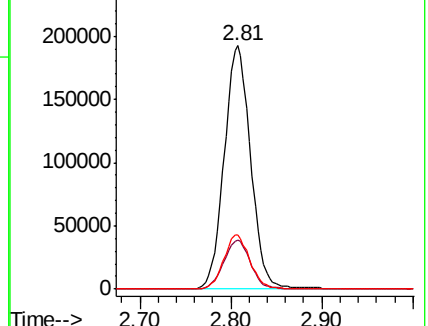
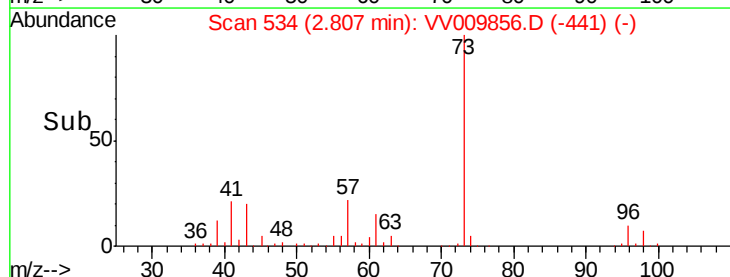
57 21.7 16.9 25.3

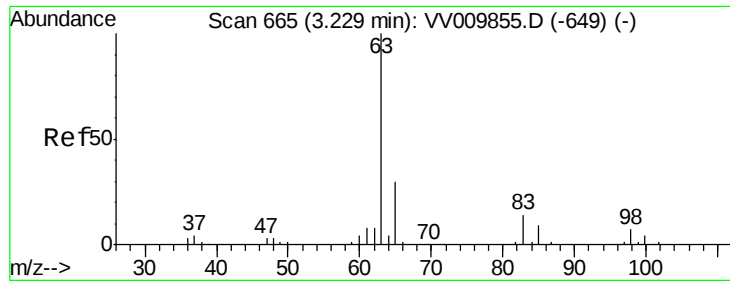


Abundance Ion 73.00 (72.70 to 73.70): VV009855.D (-518) (-)

Ion 43.00 (42.70 to 43.70): VV009855.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VV009855.D (-518) (-)

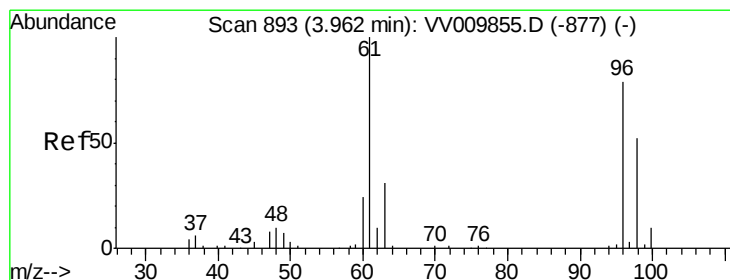
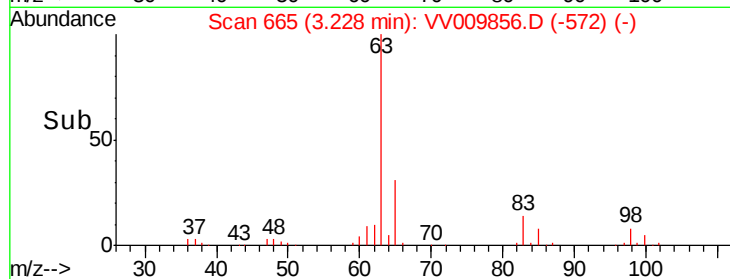
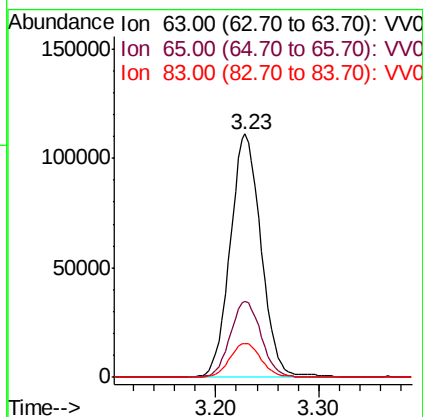
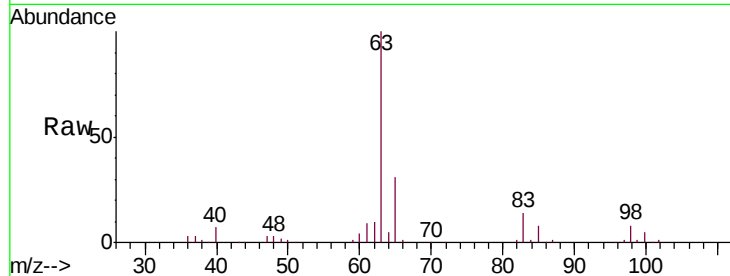




#19
 1,1-Dichloroethane
 Concen: 107.085 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009856.D
 Acq: 25 Mar 2019 12:35

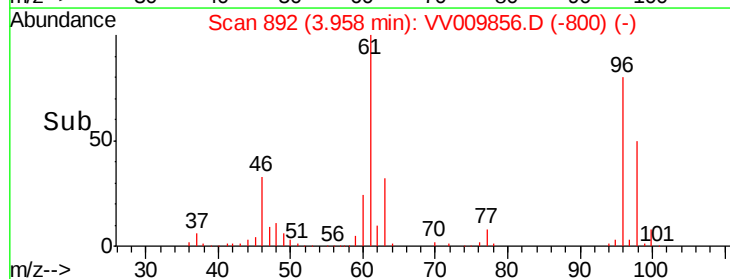
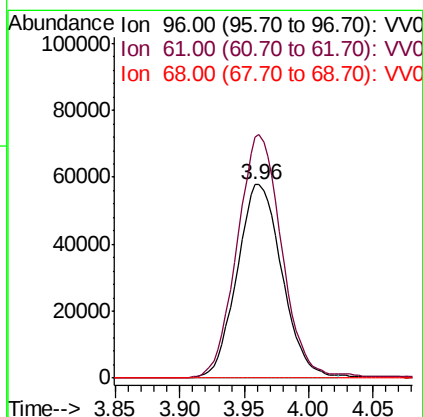
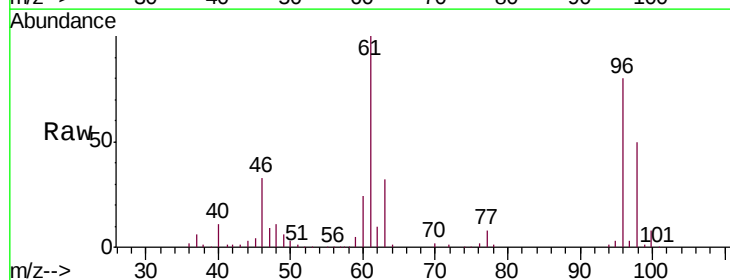
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

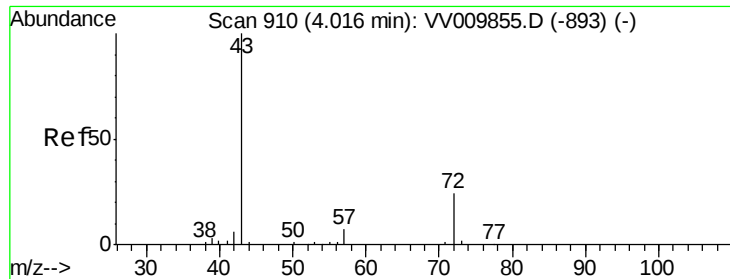
Tgt Ion: 63 Resp: 231922
 Ion Ratio Lower Upper
 63 100
 65 31.2 20.8 38.6
 83 13.8 9.7 17.9



#20
 cis-1,2-Dichloroethene
 Concen: 103.791 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV009856.D
 Acq: 25 Mar 2019 12:35

Tgt Ion: 96 Resp: 140571
 Ion Ratio Lower Upper
 96 100
 61 124.5 89.4 166.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 183.422 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

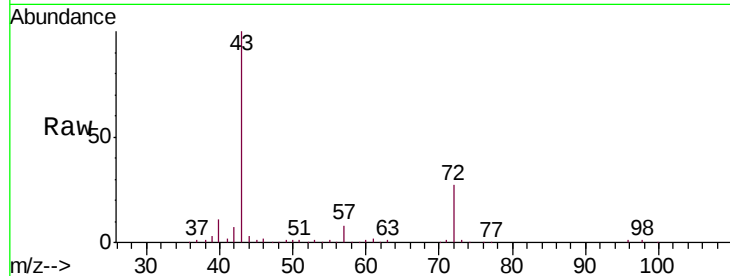
VSTD10066

Tgt Ion: 43 Resp: 193829

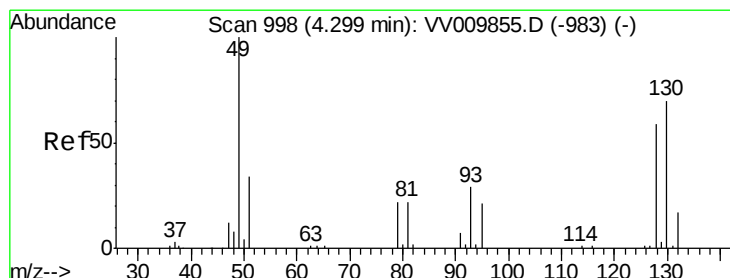
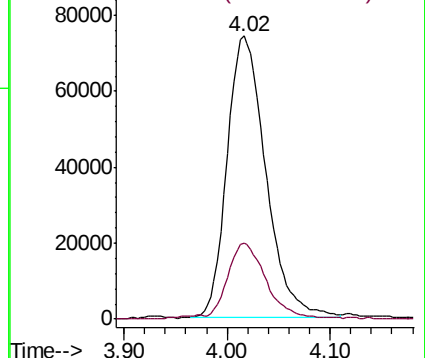
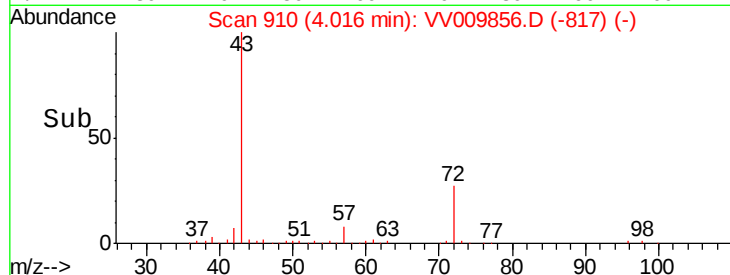
Ion Ratio Lower Upper

43 100

72 27.1 12.6 37.8



Abundance Ion 43.00 (42.70 to 43.70): VV009856.D (-817) (-)



#23

Bromochloromethane

Concen: 99.039 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Tgt Ion: 128 Resp: 71096

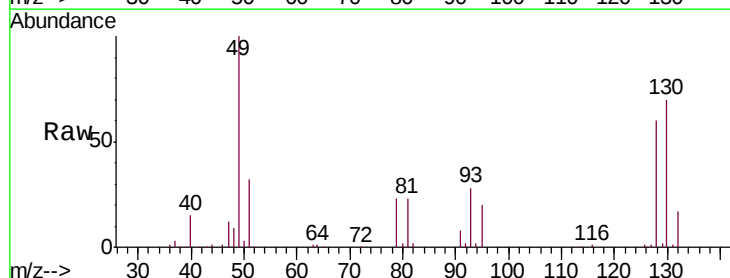
Ion Ratio Lower Upper

128 100

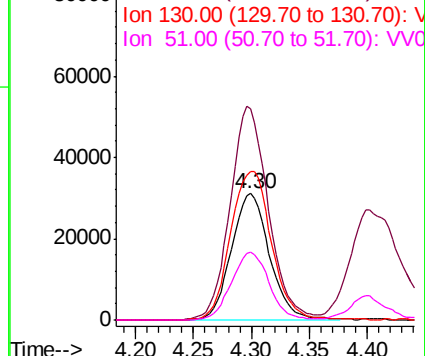
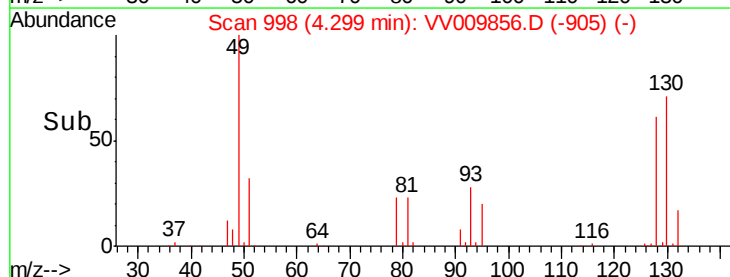
49 167.1 120.5 223.9

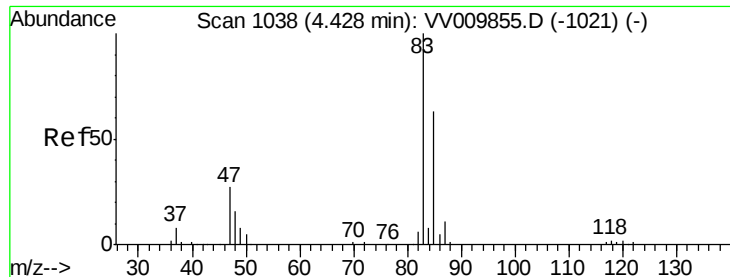
130 117.3 84.0 156.0

51 53.8 46.9 70.3



Abundance Ion 128.00 (127.70 to 128.70): VV009856.D (-905) (-)

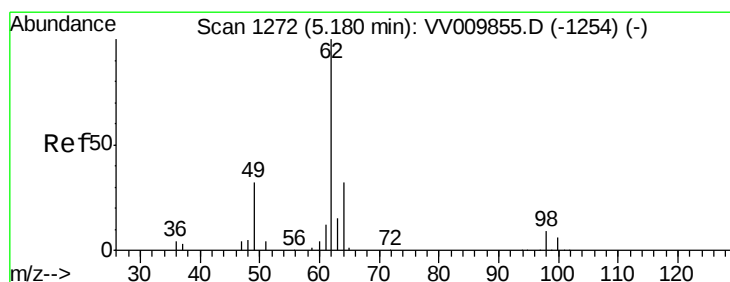
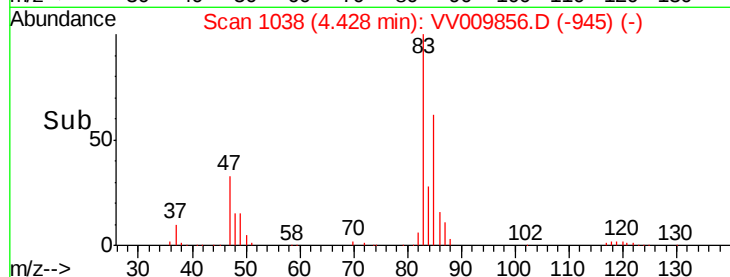
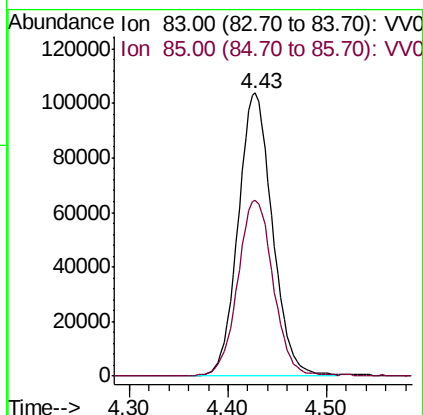
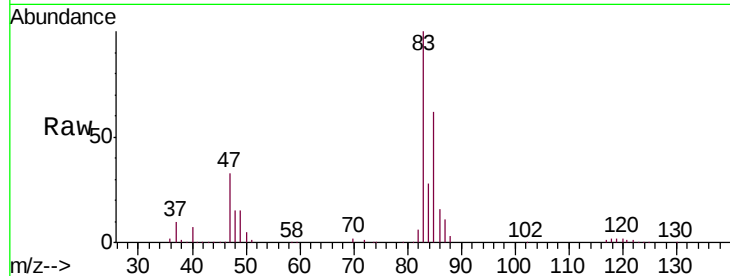




#25
Chloroform
Concen: 109.892 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009856.D
Acq: 25 Mar 2019 12:35

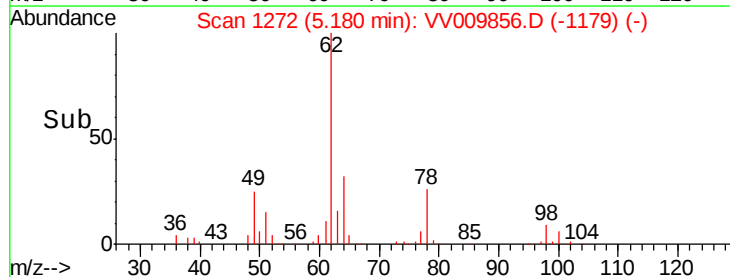
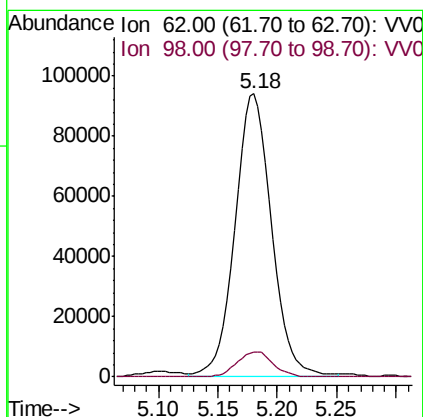
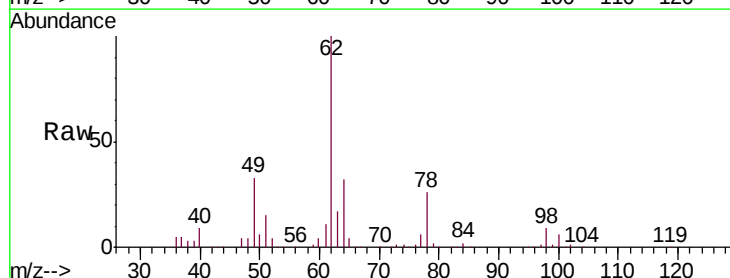
Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

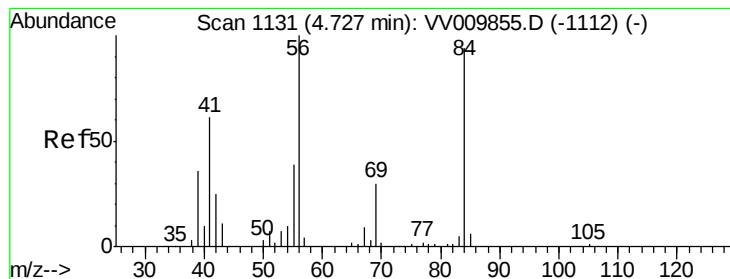
Tgt Ion: 83 Resp: 249390
Ion Ratio Lower Upper
83 100
85 62.3 44.7 82.9



#27
1,2-Dichloroethane
Concen: 121.313 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009856.D
Acq: 25 Mar 2019 12:35

Tgt Ion: 62 Resp: 200440
Ion Ratio Lower Upper
62 100
98 8.6 7.4 11.2





#29

Cyclohexane

Concen: 97.022 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

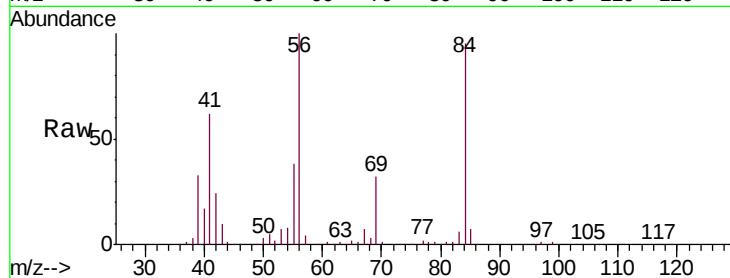
Tgt Ion: 56 Resp: 209401

Ion Ratio Lower Upper

56 100

69 30.3 23.4 35.0

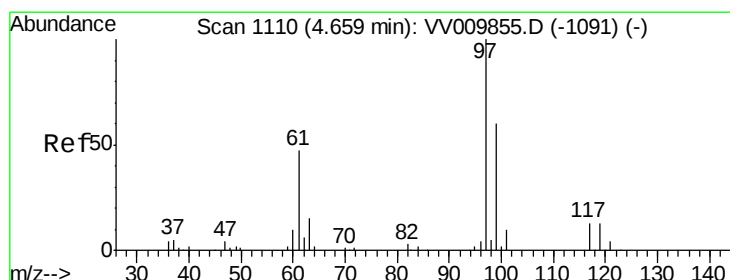
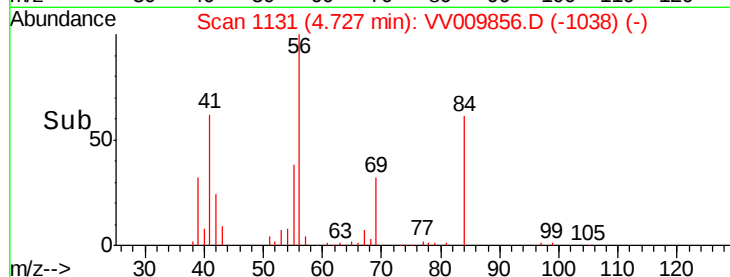
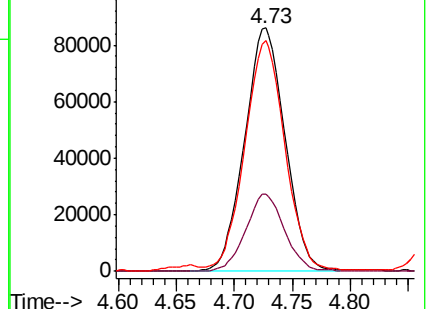
84 92.6 75.0 112.6



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 96.223 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

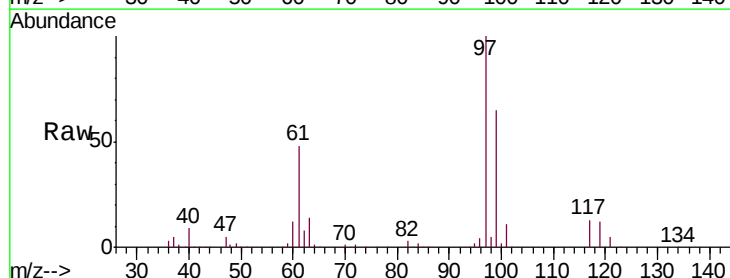
Tgt Ion: 97 Resp: 208354

Ion Ratio Lower Upper

97 100

99 64.9 49.1 73.7

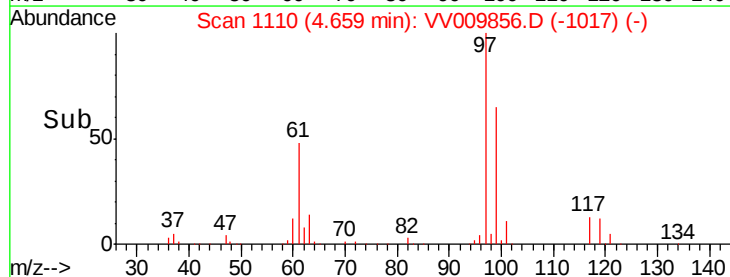
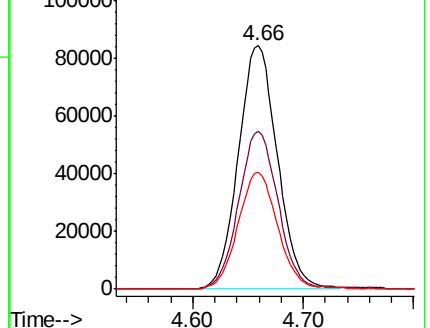
61 48.1 37.6 56.4

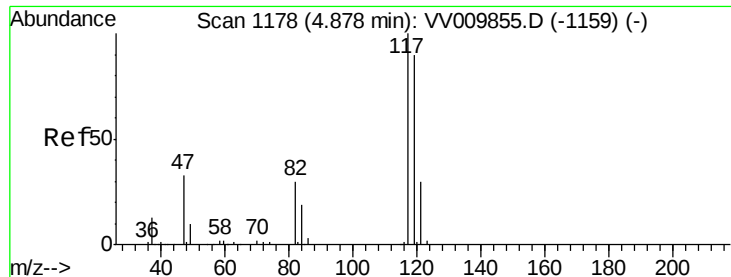


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 97.210 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

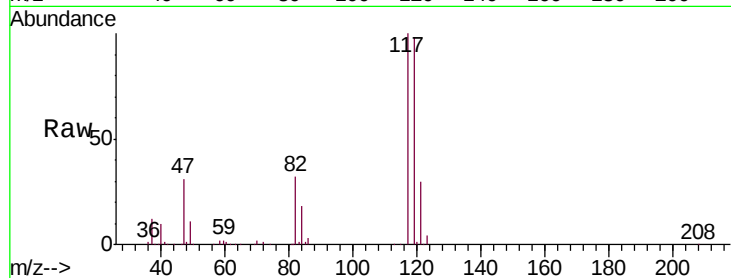
VSTD10066

Tgt Ion:117 Resp: 185701

Ion Ratio Lower Upper

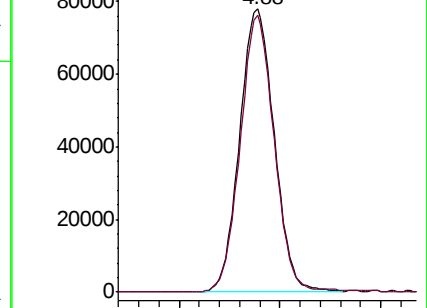
117 100

119 95.2 75.4 113.0

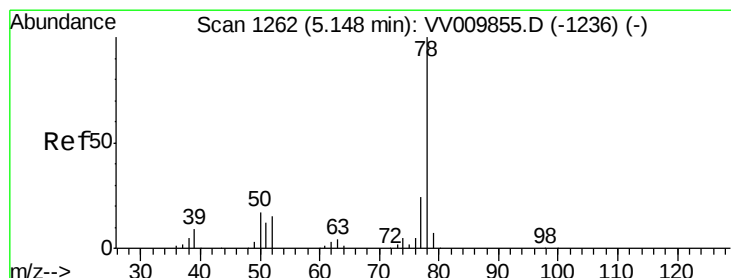
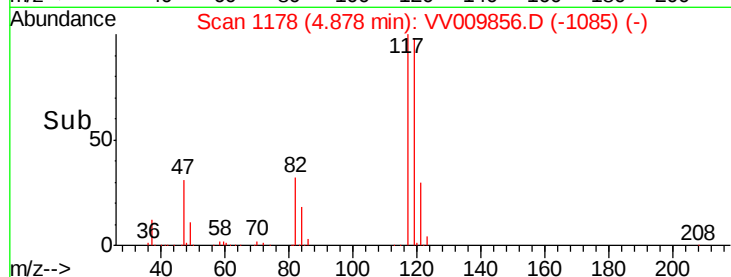


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#33

Benzene

Concen: 94.310 ug/L

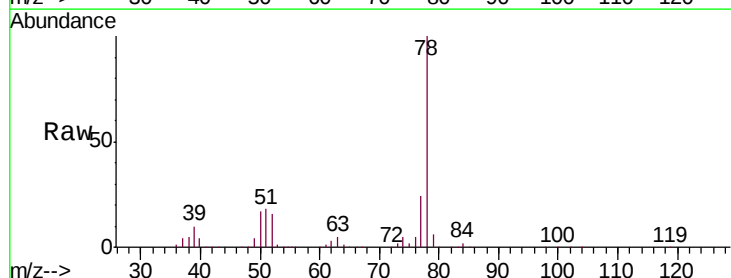
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

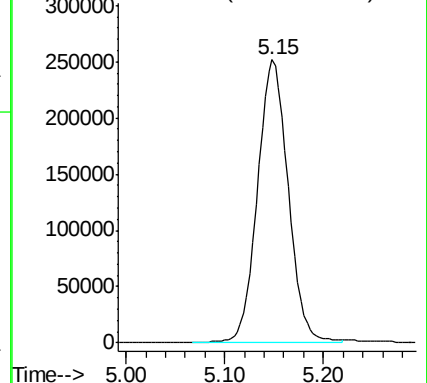
Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

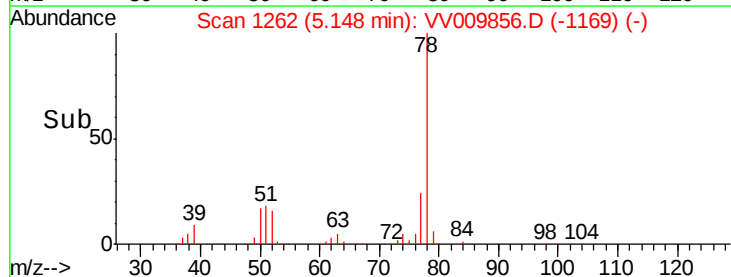
Tgt Ion: 78 Resp: 541165

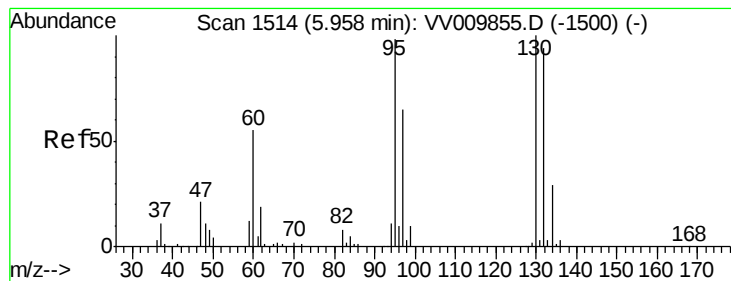


Abundance Ion 78.00 (77.70 to 78.70): VV0



Time-->





#34

Trichloroethene

Concen: 90.981 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

Tgt Ion: 95 Resp: 137449

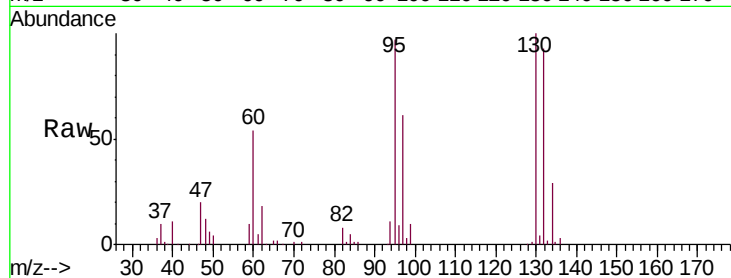
Ion Ratio Lower Upper

95 100

97 62.6 46.1 85.5

132 96.3 67.0 124.4

130 103.0 71.4 132.6

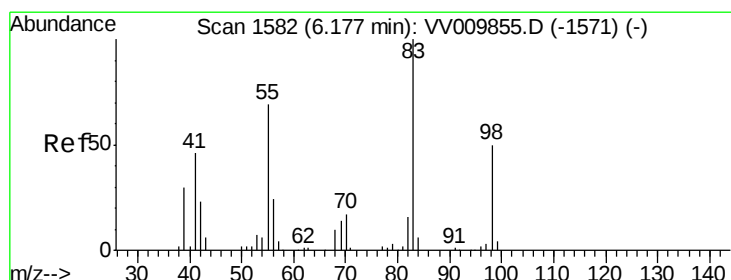
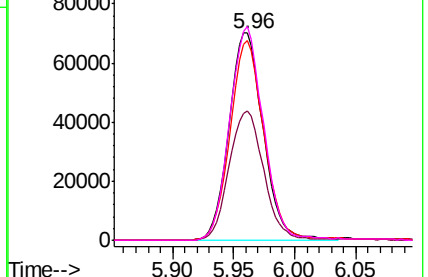
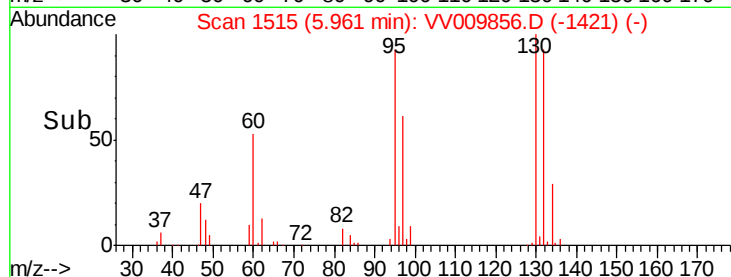


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 98.249 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

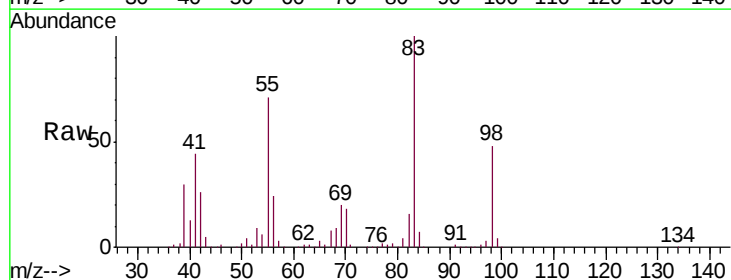
Tgt Ion: 83 Resp: 232568

Ion Ratio Lower Upper

83 100

55 72.5 55.5 83.3

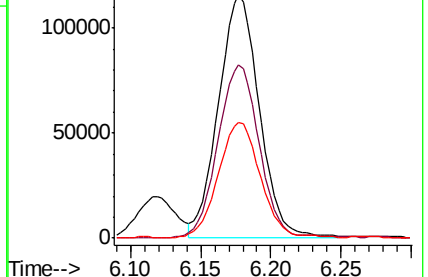
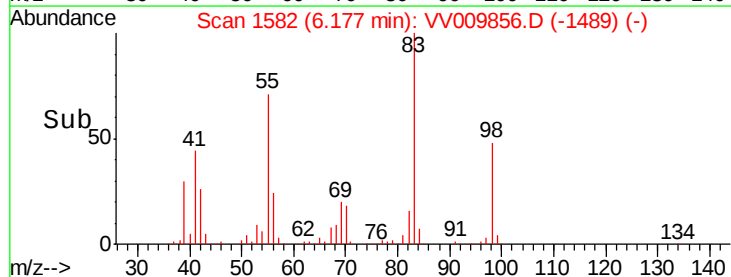
98 48.8 40.2 60.2

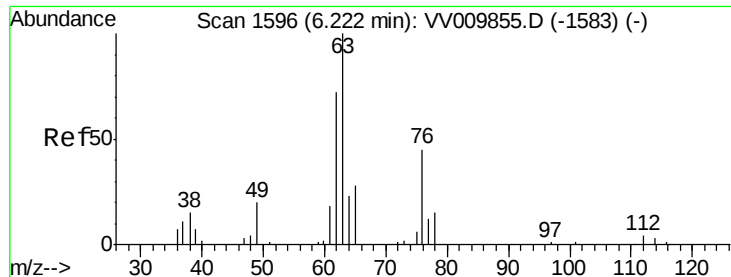


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 90.584 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

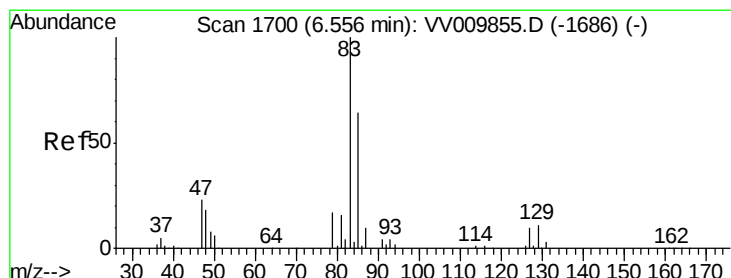
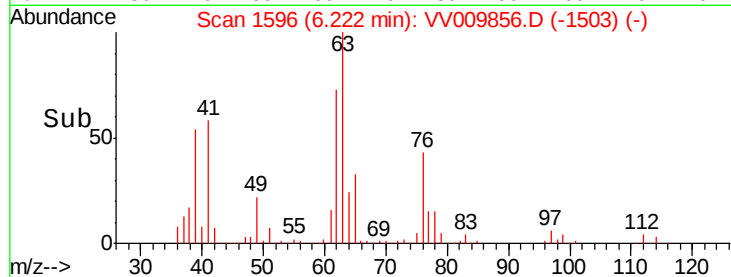
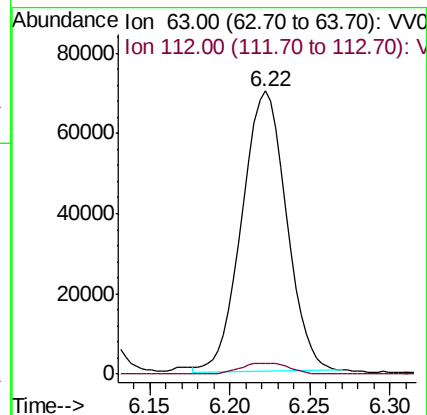
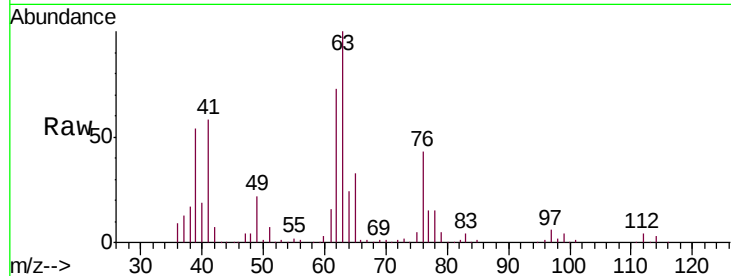
VSTD10066

Tgt Ion: 63 Resp: 132738

Ion Ratio Lower Upper

63 100

112 2.7 3.5 5.3#



#38

Bromodichloromethane

Concen: 98.855 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

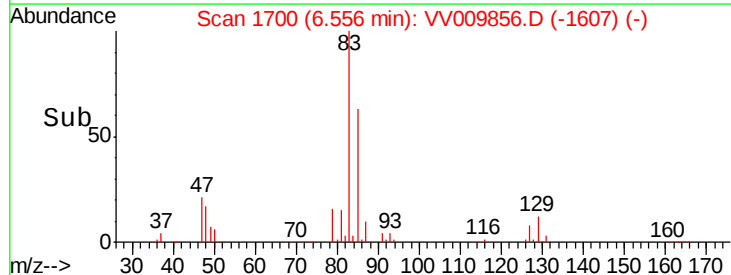
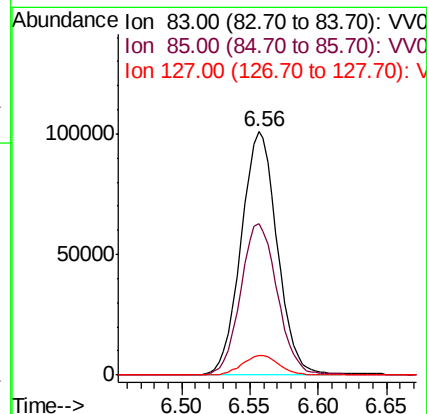
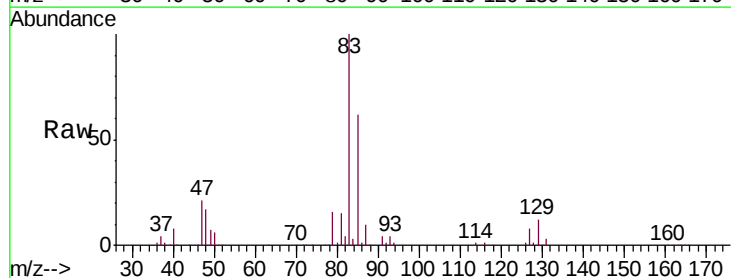
Tgt Ion: 83 Resp: 186082

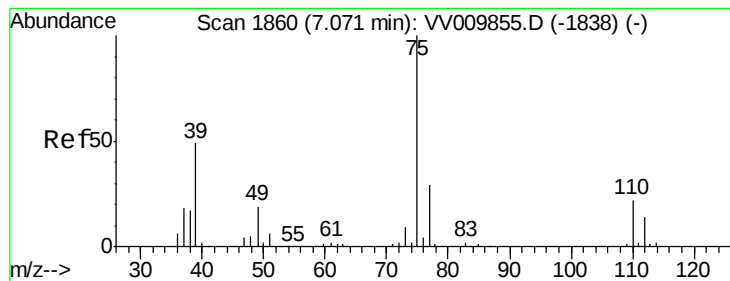
Ion Ratio Lower Upper

83 100

85 62.0 44.6 82.8

127 7.9 8.2 12.2#





#39

cis-1,3-Dichloropropene

Concen: 98.174 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampled :

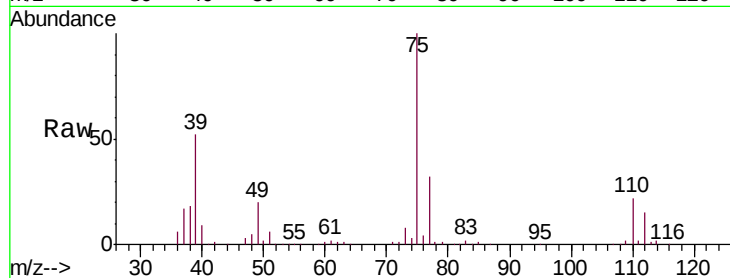
VSTD10066

Tgt Ion: 75 Resp: 229850

Ion Ratio Lower Upper

75 100

77 31.5 20.5 38.1



Abundance Ion 75.00 (74.70 to 75.70): VV009856.D (-1767) (-)

Ion 77.00 (76.70 to 77.70): VV009856.D (-1767) (-)

150000

100000

50000

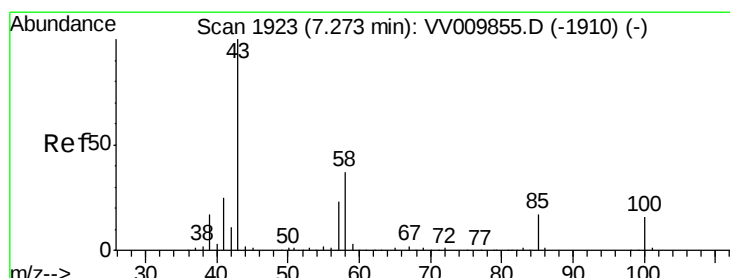
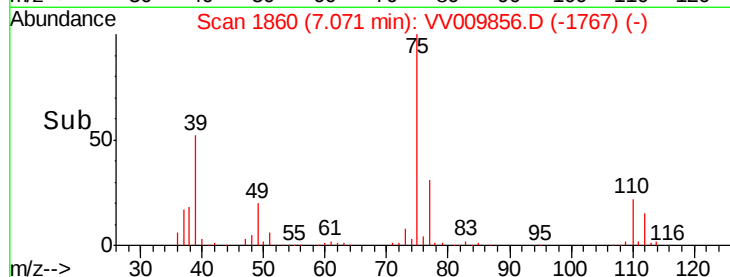
0

7.07

7.10

7.20

Time-->



#40

4-Methyl-2-pentanone

Concen: 203.575 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

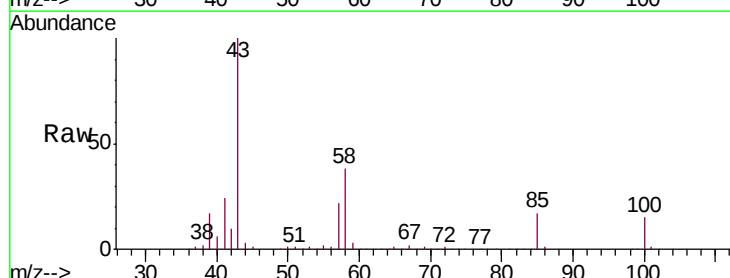
Tgt Ion: 43 Resp: 412772

Ion Ratio Lower Upper

43 100

58 38.2 29.8 44.8

100 14.8 12.2 18.4



Abundance Ion 43.00 (42.70 to 43.70): VV009856.D (-1830) (-)

Ion 58.00 (57.70 to 58.70): VV009856.D (-1830) (-)

Ion 100.00 (99.70 to 100.70): VV009856.D (-1830) (-)

300000

250000

200000

150000

100000

50000

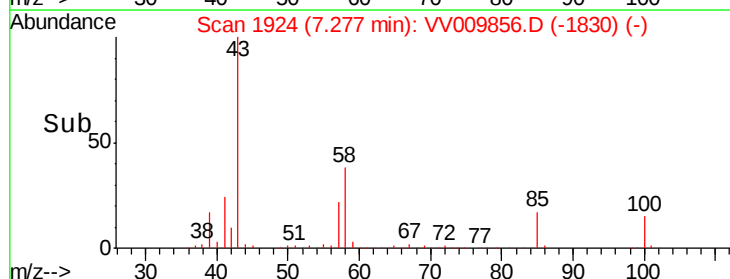
0

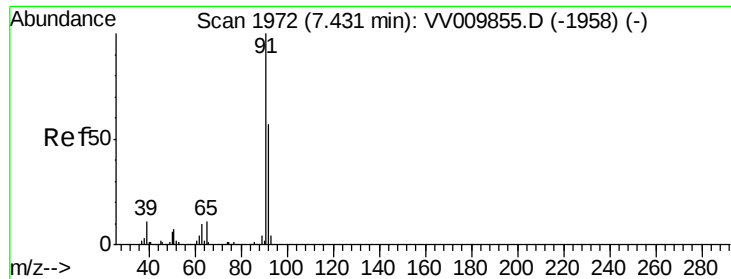
7.28

7.30

7.35

Time-->





#42

Toluene

Concen: 102.470 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

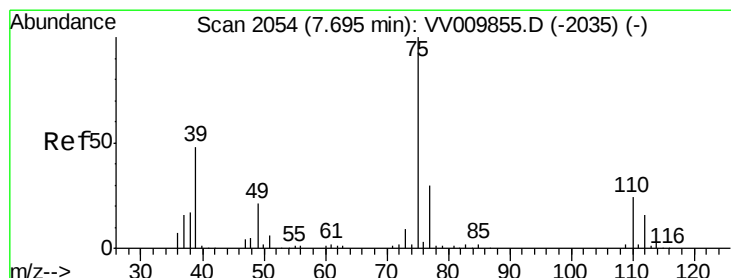
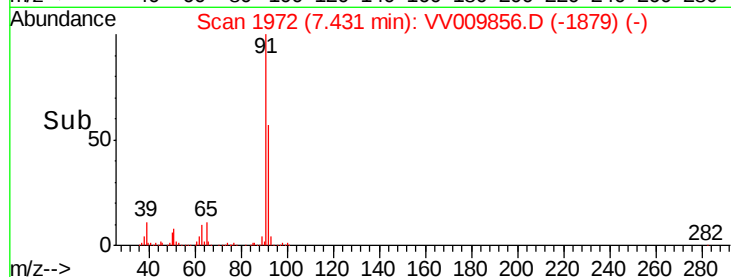
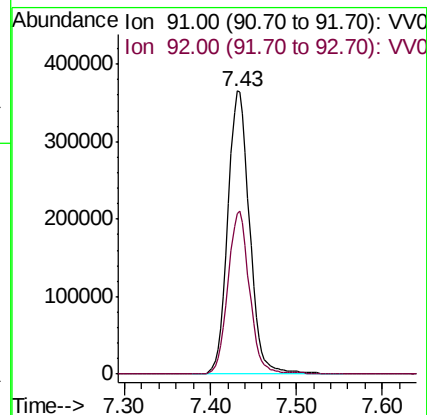
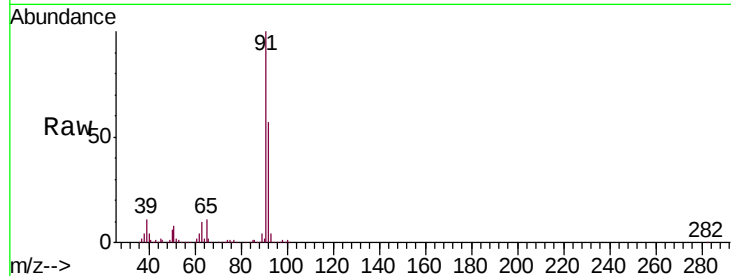
VSTD10066

Tgt Ion: 91 Resp: 645257

Ion Ratio Lower Upper

91 100

92 56.8 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 104.806 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009856.D

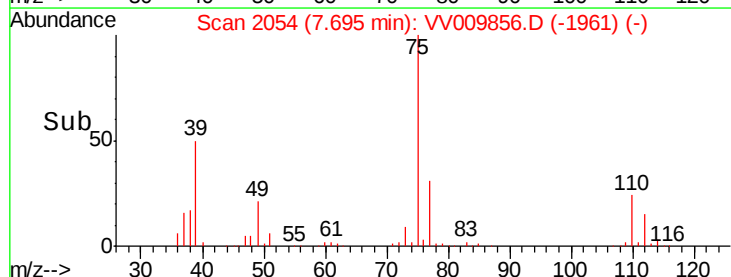
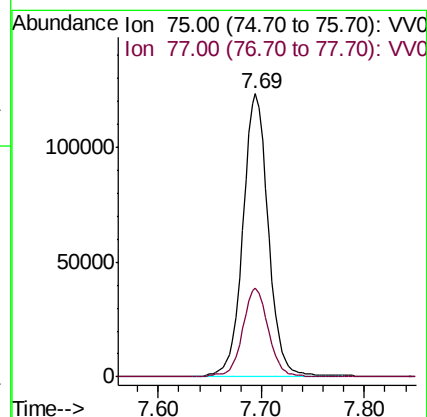
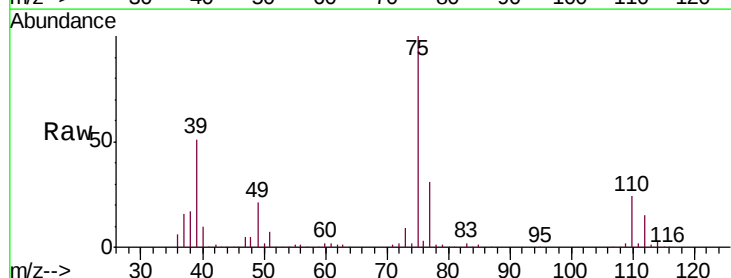
Acq: 25 Mar 2019 12:35

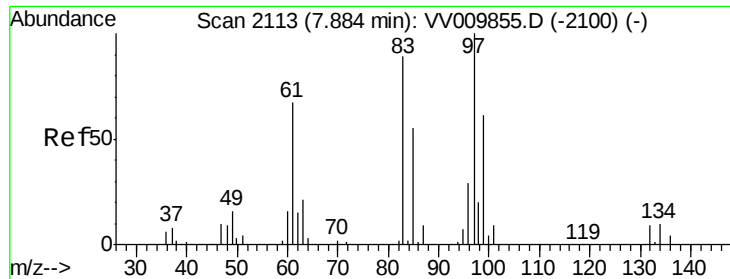
Tgt Ion: 75 Resp: 212747

Ion Ratio Lower Upper

75 100

77 31.4 20.7 38.5

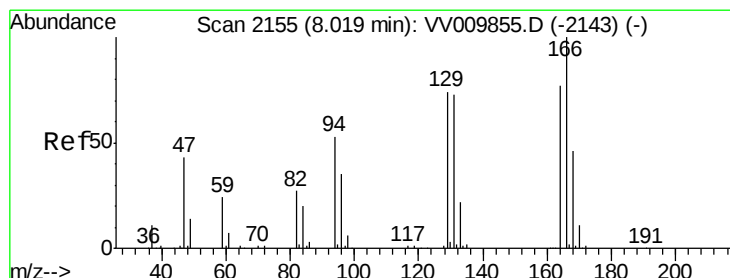
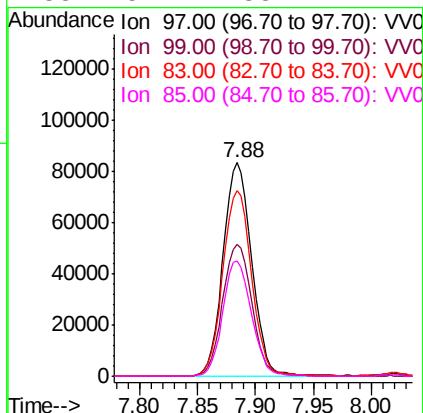
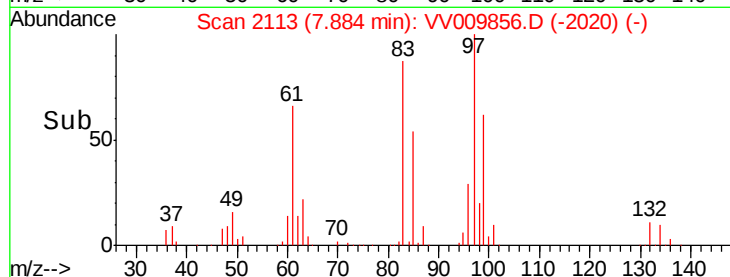
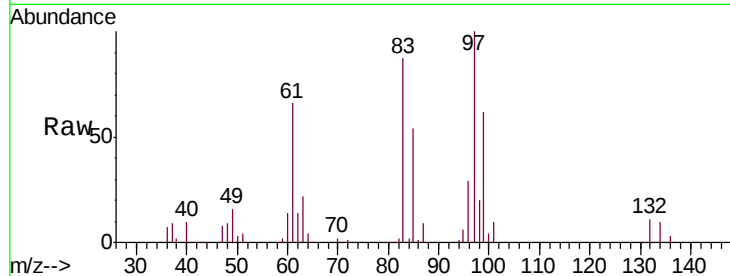




#45
 1,1,2-Trichloroethane
 Concen: 95.033 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009856.D
 Acq: 25 Mar 2019 12:35

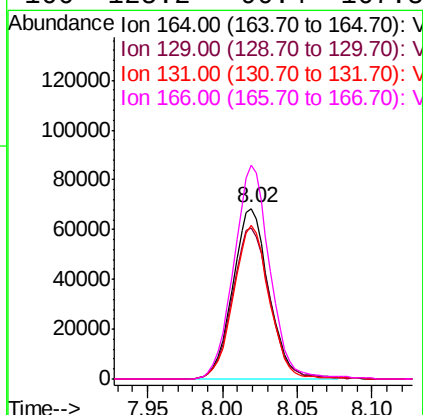
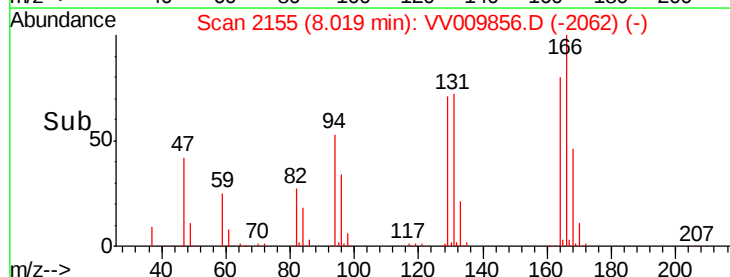
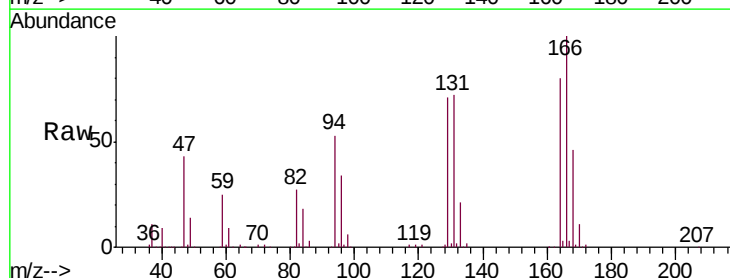
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

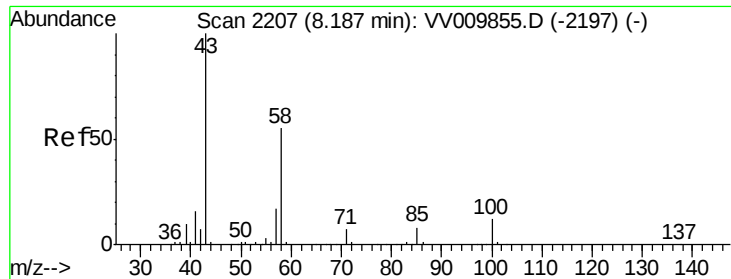
Tgt Ion:	97	Resp:	142860
Ion	Ratio	Lower	Upper
97	100		
99	61.7	42.4	78.6
83	86.8	62.1	115.3
85	54.2	38.4	71.4



#46
 Tetrachloroethene
 Concen: 92.040 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009856.D
 Acq: 25 Mar 2019 12:35

Tgt Ion:	164	Resp:	115069
Ion	Ratio	Lower	Upper
164	100		
129	88.6	66.8	124.0
131	89.8	65.7	122.1
166	125.2	90.4	167.8

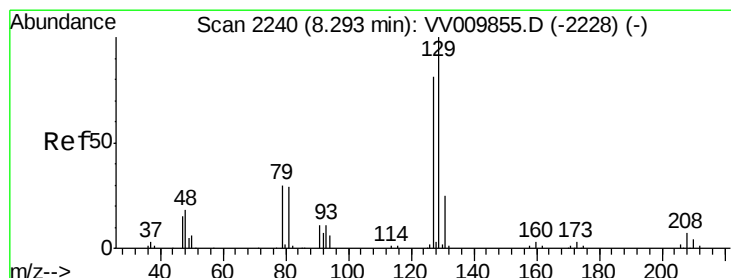
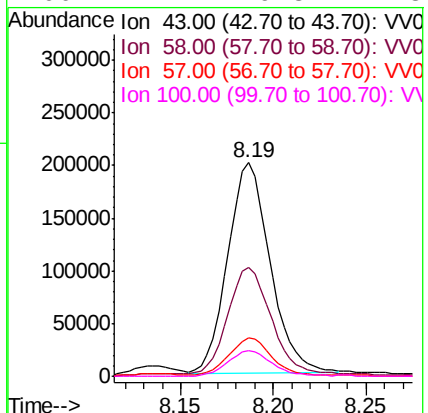
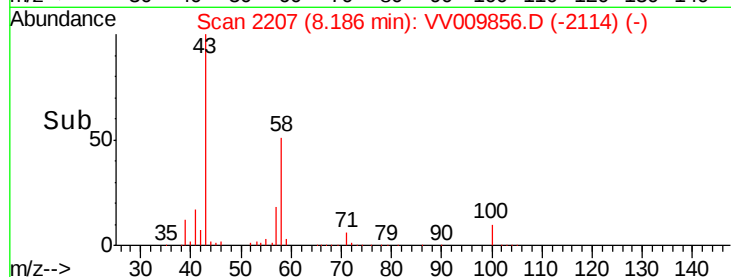
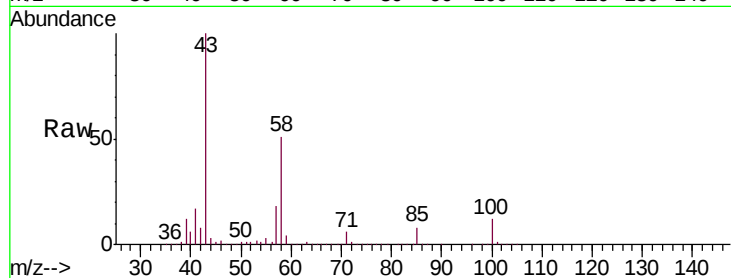




#48
2-Hexanone
Concen: 188.411 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009856.D
Acq: 25 Mar 2019 12:35

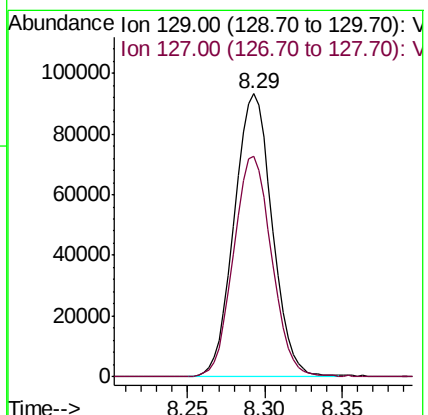
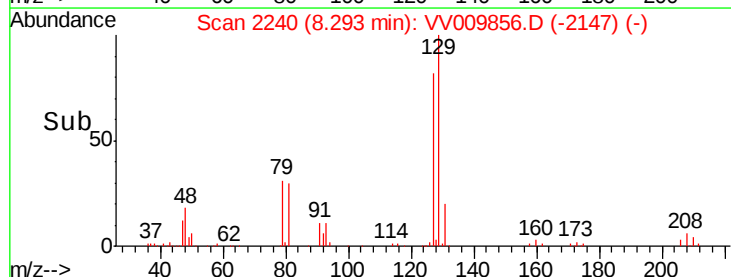
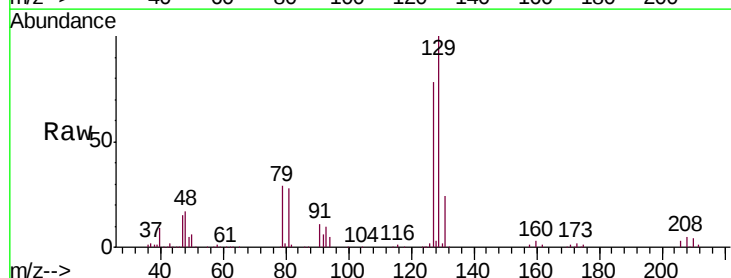
Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

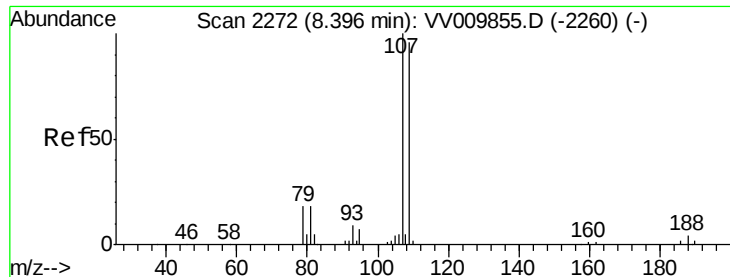
Tgt Ion:	43	Resp:	316549
Ion	Ratio	Lower	Upper
43	100		
58	54.8	41.9	62.9
57	18.7	14.2	21.2
100	12.7	9.8	14.8



#49
Dibromochloromethane
Concen: 96.492 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV009856.D
Acq: 25 Mar 2019 12:35

Tgt Ion:	129	Resp:	159448
Ion	Ratio	Lower	Upper
129	100		
127	78.0	56.8	105.4





#50

1,2-Dibromoethane

Concen: 94.423 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

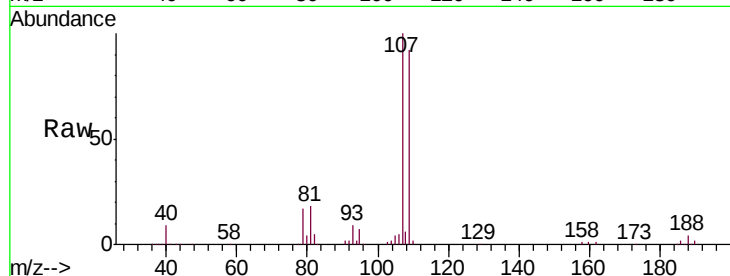
Tgt Ion:107 Resp: 155828

Ion Ratio Lower Upper

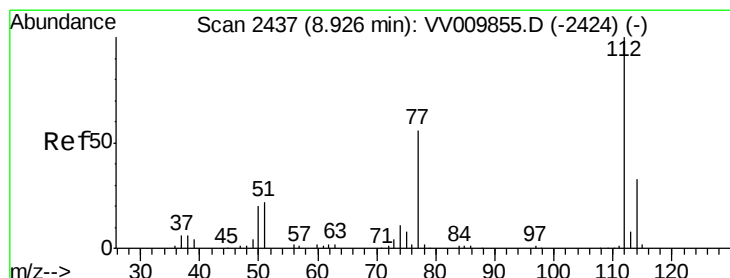
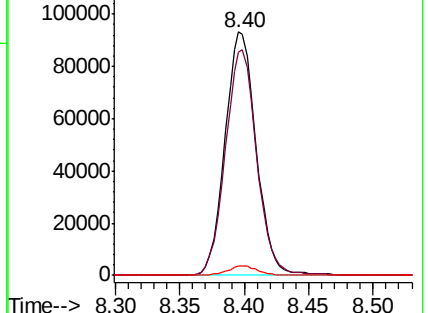
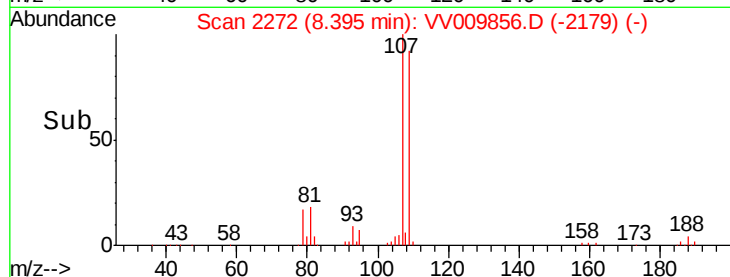
107 100

109 91.8 67.5 125.3

188 4.0 3.0 4.6



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



#51

Chlorobenzene

Concen: 102.311 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

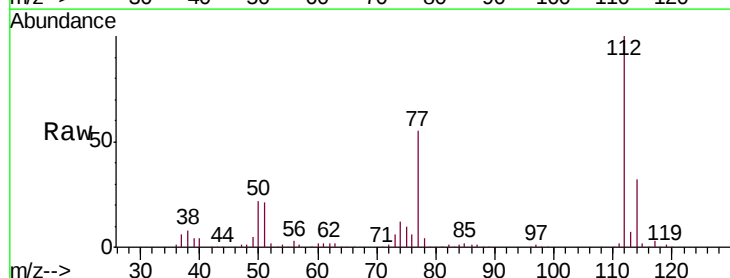
Tgt Ion:112 Resp: 426751

Ion Ratio Lower Upper

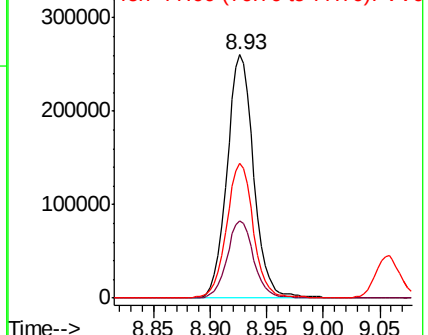
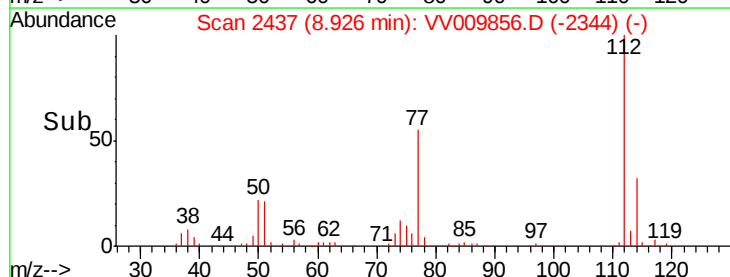
112 100

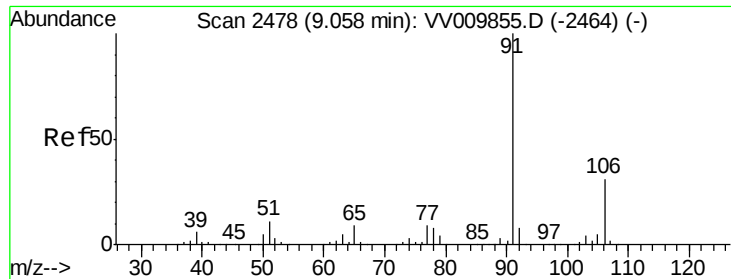
114 31.8 23.3 43.3

77 55.2 45.8 68.6



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 109.275 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

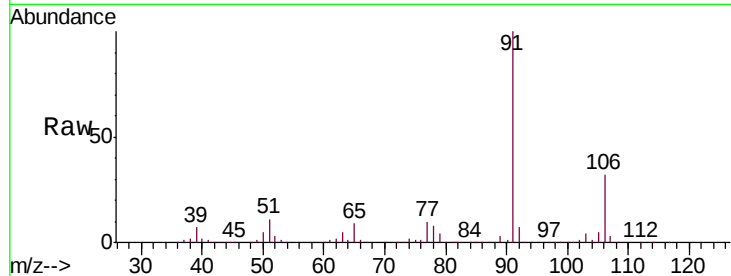
VSTD10066

Tgt Ion: 91 Resp: 750529

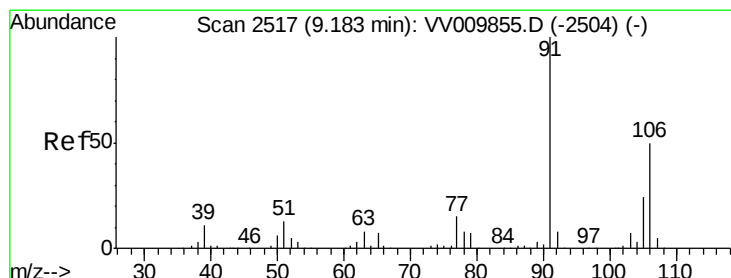
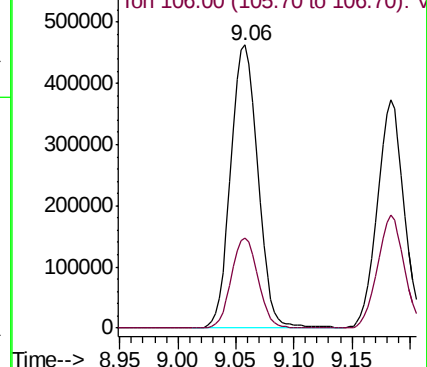
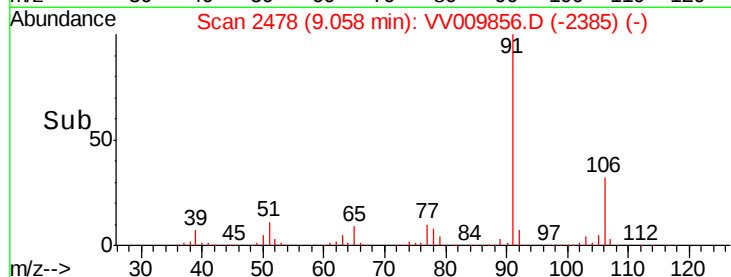
Ion Ratio Lower Upper

91 100

106 32.0 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV009856.D (-2385) (-)



#53

m,p-Xylene

Concen: 112.979 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009856.D

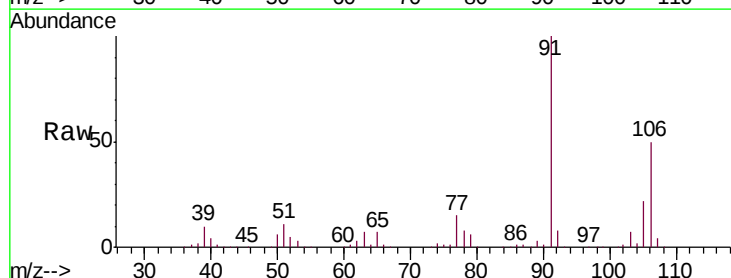
Acq: 25 Mar 2019 12:35

Tgt Ion: 106 Resp: 298483

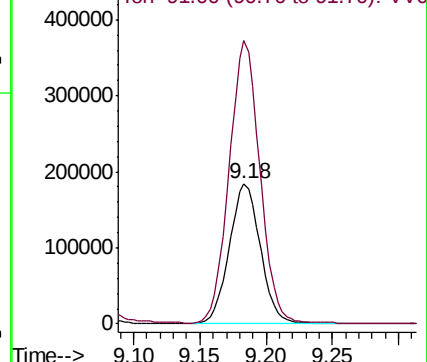
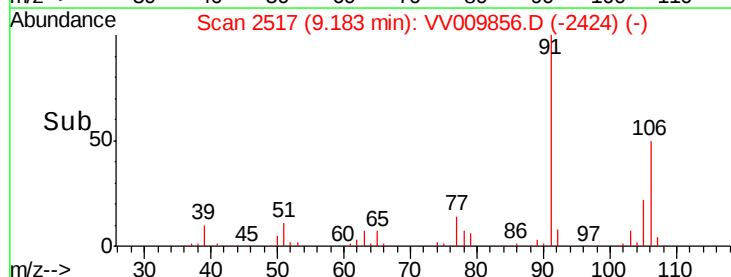
Ion Ratio Lower Upper

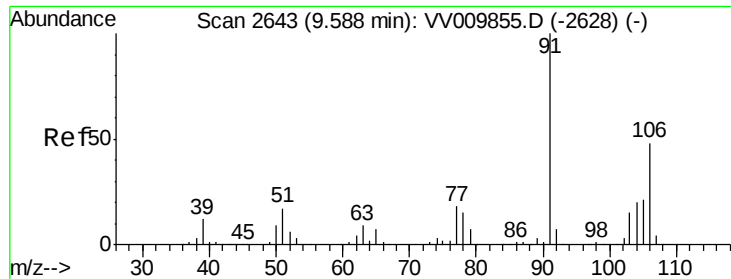
106 100

91 201.6 139.5 259.1



Abundance Ion 106.00 (105.70 to 106.70): VV009856.D (-2424) (-)





#54

o-xylene

Concen: 119.016 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

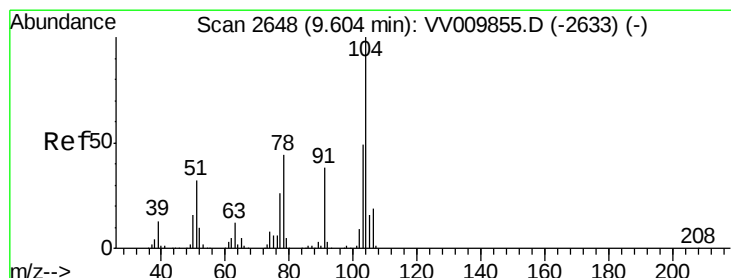
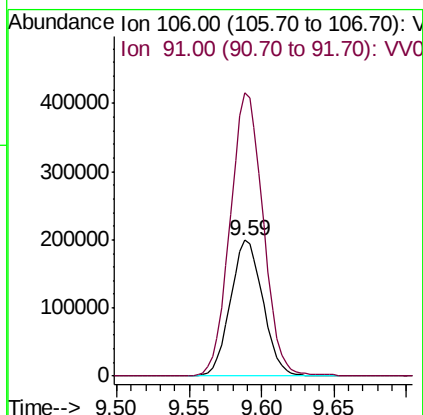
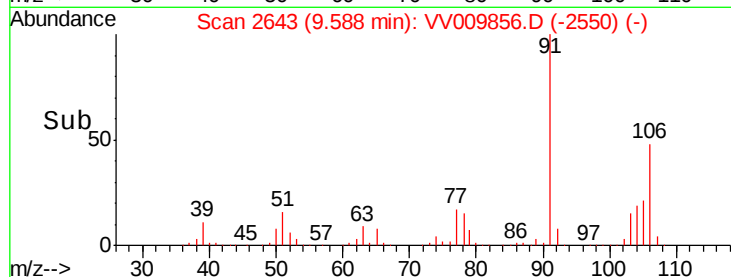
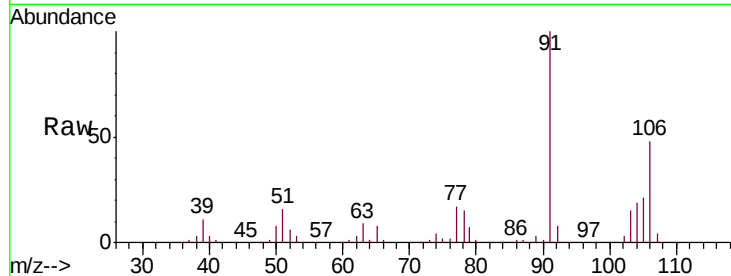
VSTD10066

Tgt Ion:106 Resp: 311910

Ion Ratio Lower Upper

106 100

91 208.1 147.0 273.0



#55

Styrene

Concen: 124.574 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009856.D

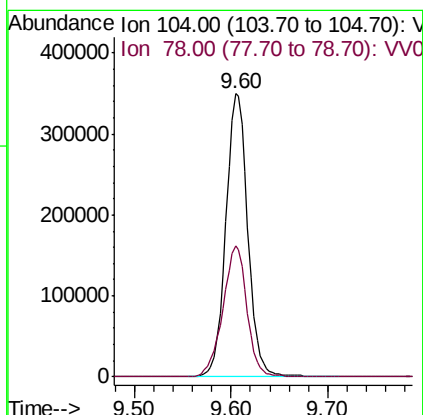
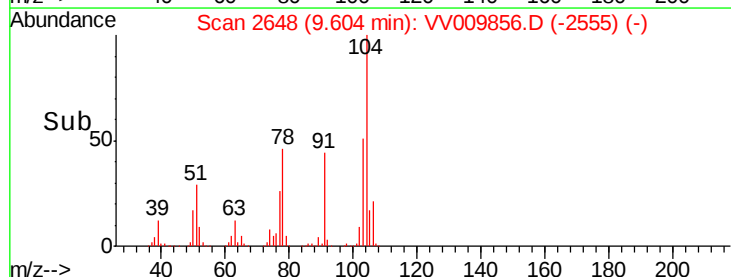
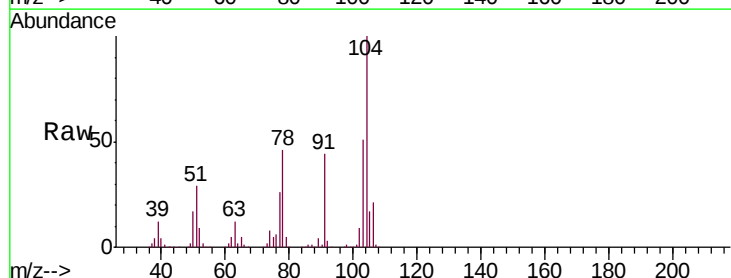
Acq: 25 Mar 2019 12:35

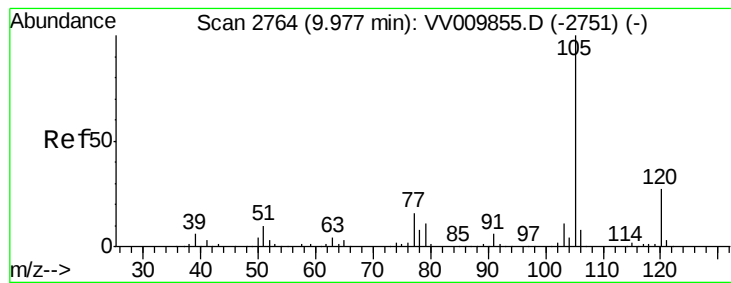
Tgt Ion:104 Resp: 549890

Ion Ratio Lower Upper

104 100

78 46.4 30.9 57.3





#56

Isopropylbenzene

Concen: 118.599 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

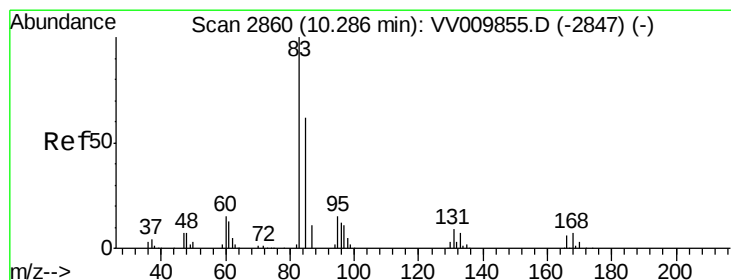
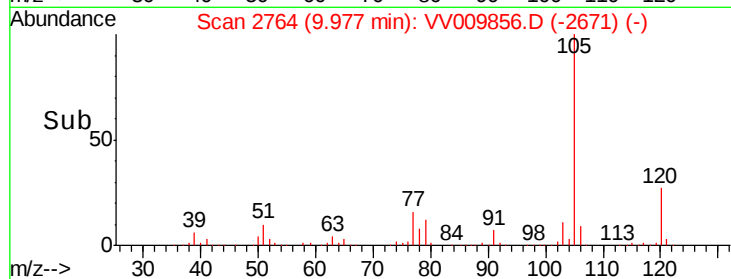
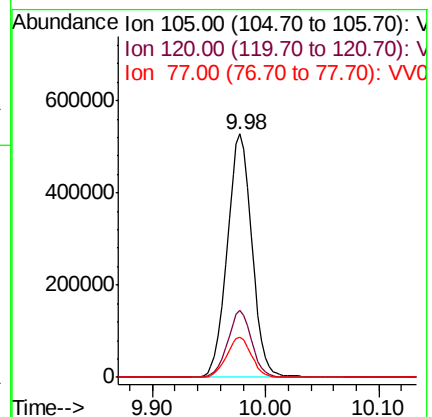
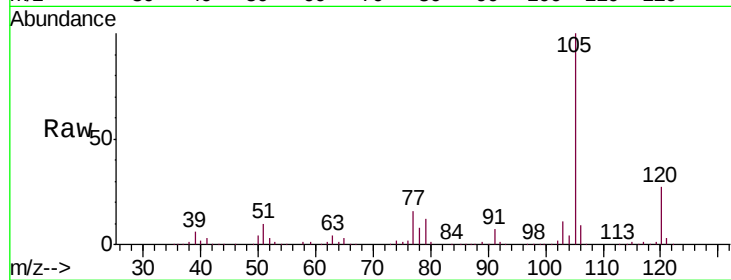
Tgt Ion:105 Resp: 800150

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

77 16.7 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 103.540 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

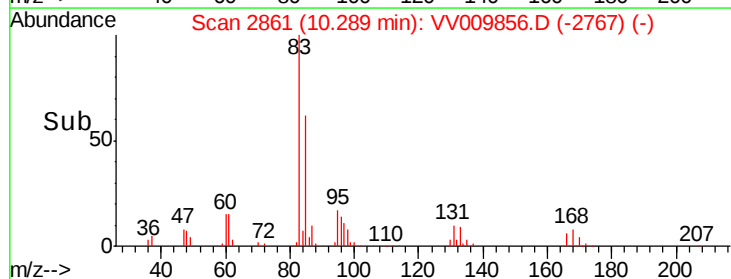
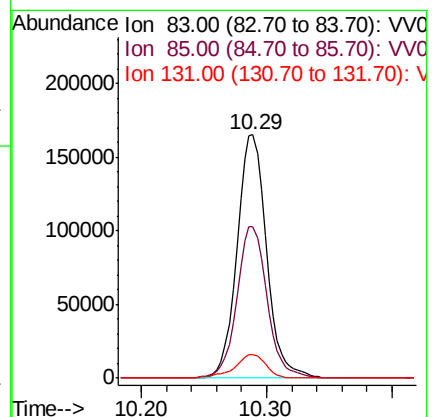
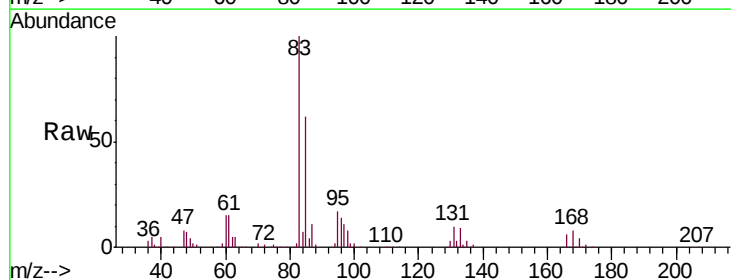
Tgt Ion: 83 Resp: 270344

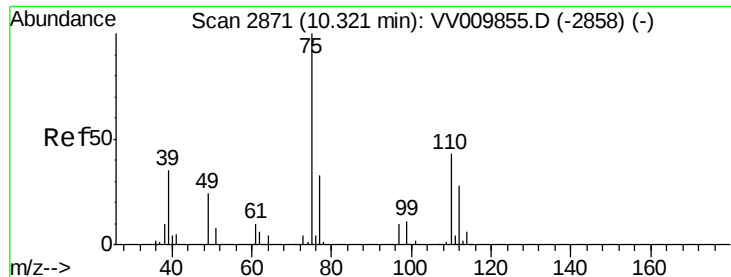
Ion Ratio Lower Upper

83 100

85 62.4 44.0 81.6

131 9.7 7.0 10.6





#59

1,2,3-Trichloropropane

Concen: 98.442 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

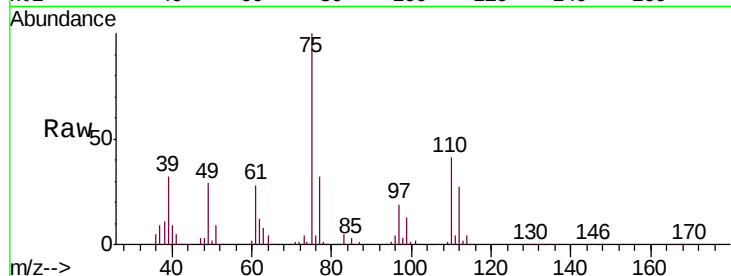
VSTD10066

Tgt Ion: 75 Resp: 195326

Ion Ratio Lower Upper

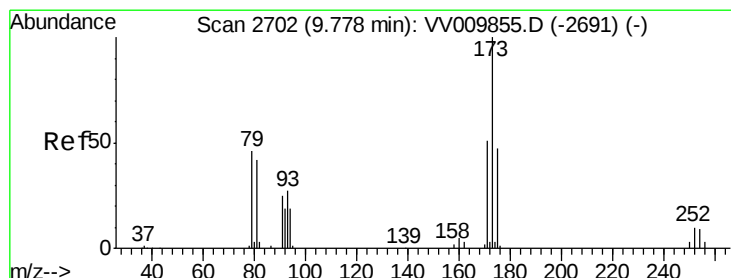
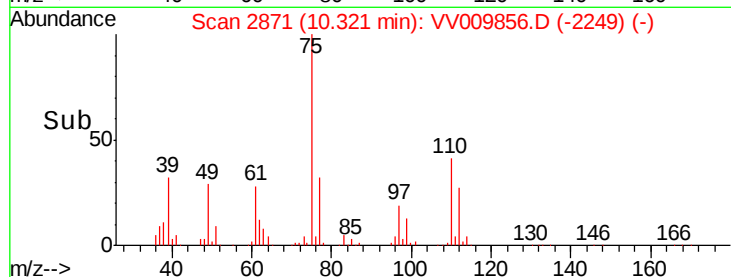
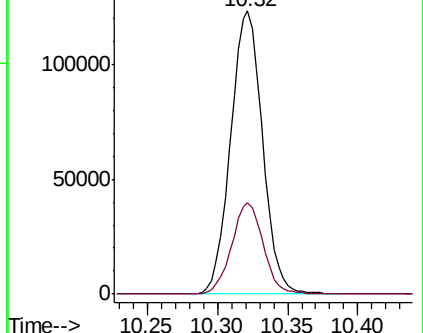
75 100

77 32.1 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV009855.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV009855.D (-2858) (-)



#61

Bromoform

Concen: 88.606 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

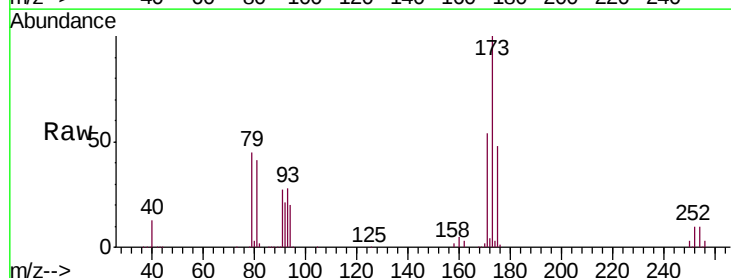
Tgt Ion: 173 Resp: 111234

Ion Ratio Lower Upper

173 100

175 47.6 39.0 58.6

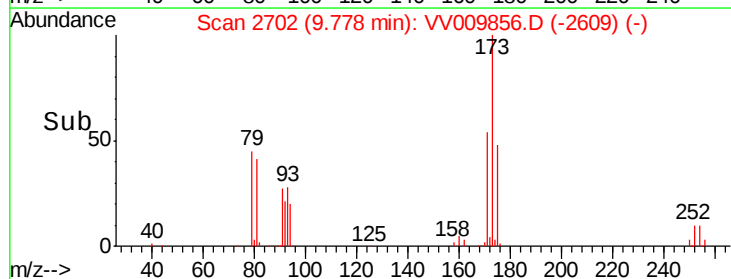
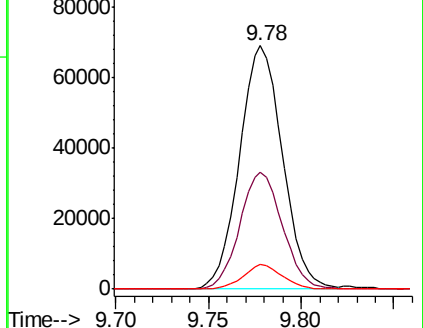
254 9.1 7.0 10.6

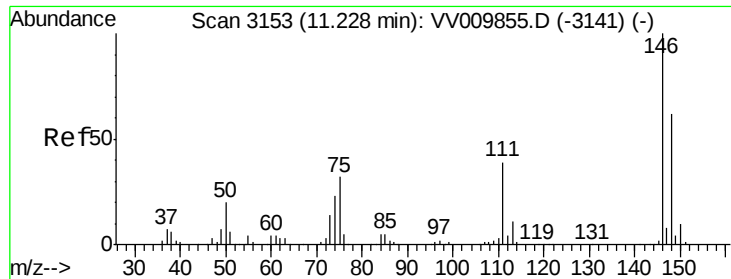


Abundance Ion 173.00 (172.70 to 173.70): VV009855.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VV009855.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VV009855.D (-2691) (-)





#62

1,3-Dichlorobenzene

Concen: 103.154 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

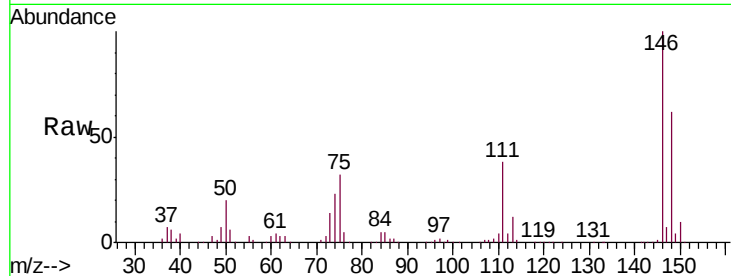
Tgt Ion:146 Resp: 335922

Ion Ratio Lower Upper

146 100

111 38.3 27.5 51.1

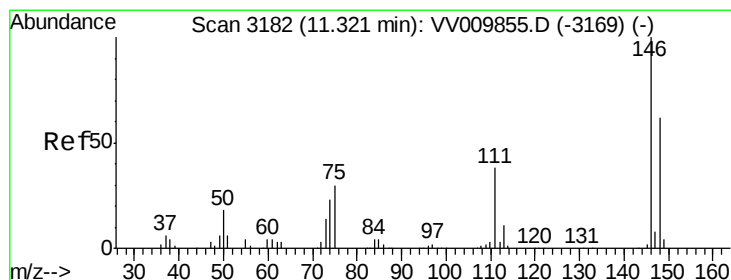
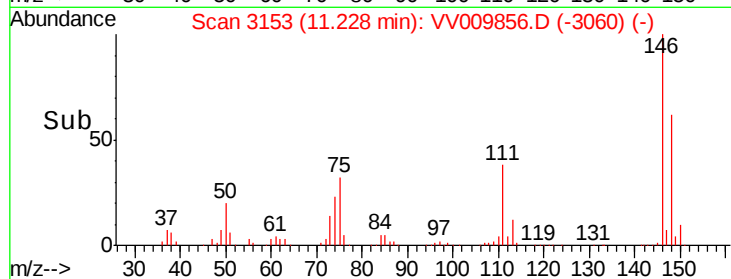
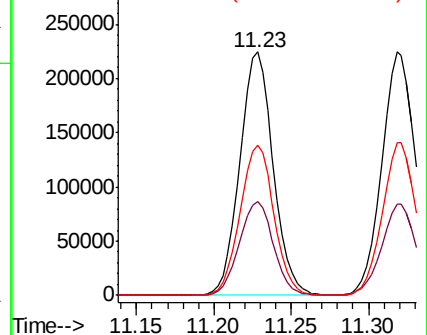
148 61.9 43.0 80.0



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



#63

1,4-Dichlorobenzene

Concen: 101.623 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

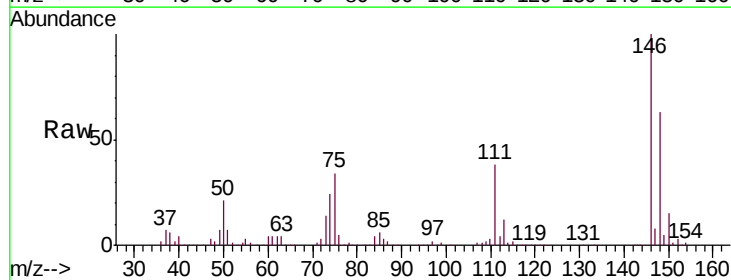
Tgt Ion:146 Resp: 344667

Ion Ratio Lower Upper

146 100

111 37.5 26.5 49.3

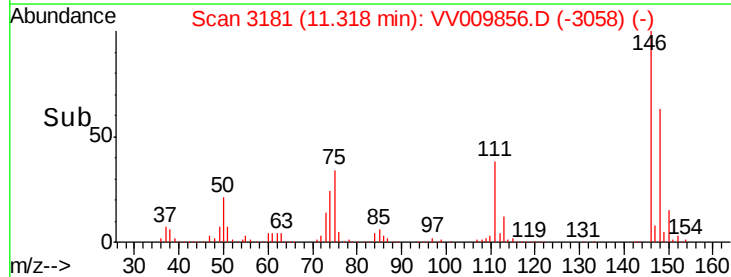
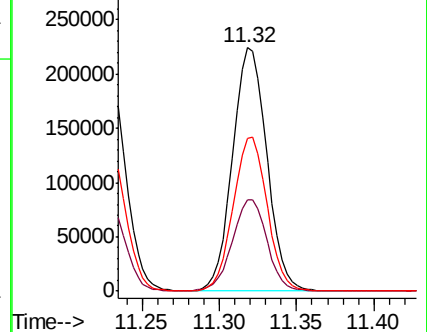
148 62.9 43.2 80.2

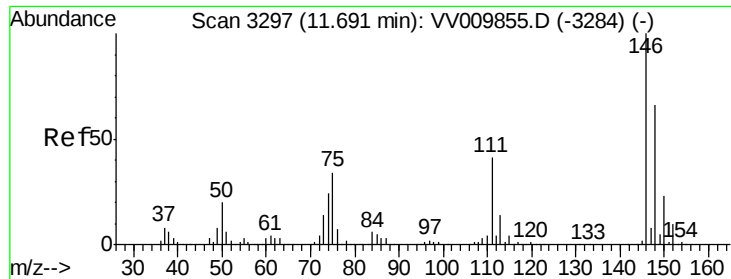


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 104.622 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

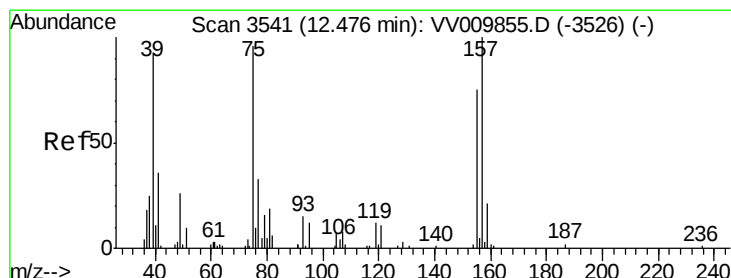
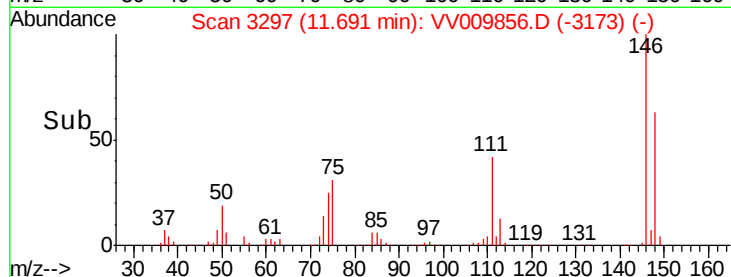
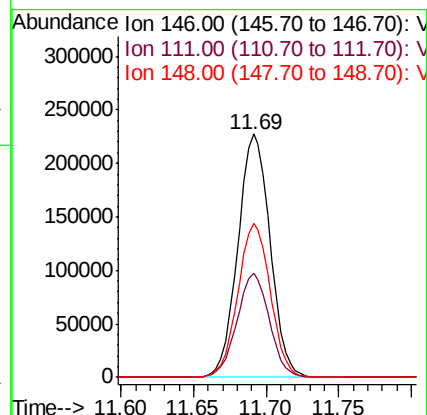
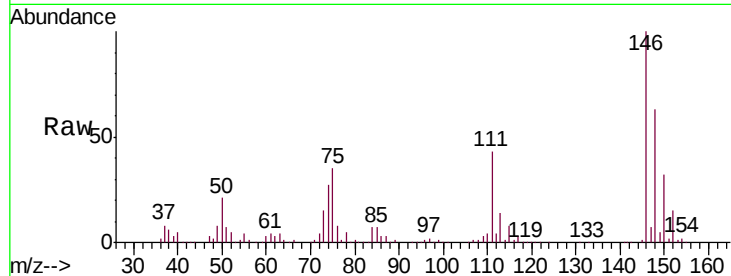
Tgt Ion:146 Resp: 350331

Ion Ratio Lower Upper

146 100

111 42.6 33.0 49.6

148 63.1 53.2 79.8



#66

1,2-Dibromo-3-chloropropane

Concen: 87.109 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

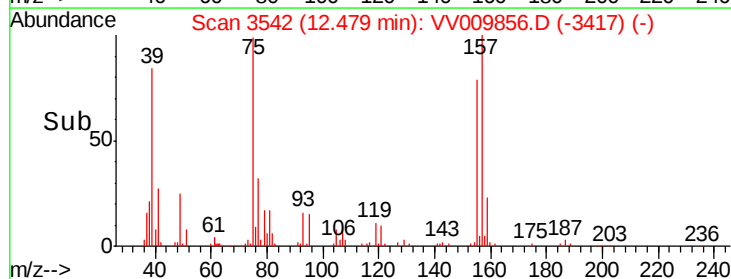
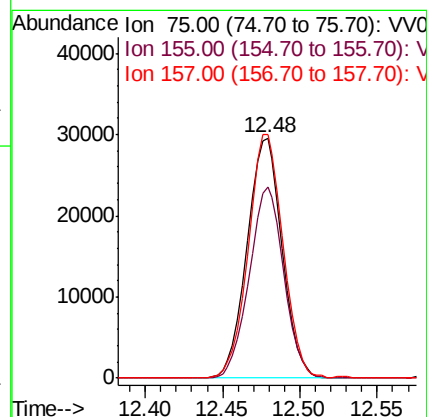
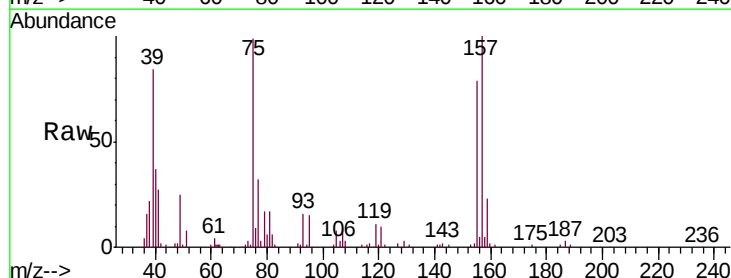
Tgt Ion: 75 Resp: 46535

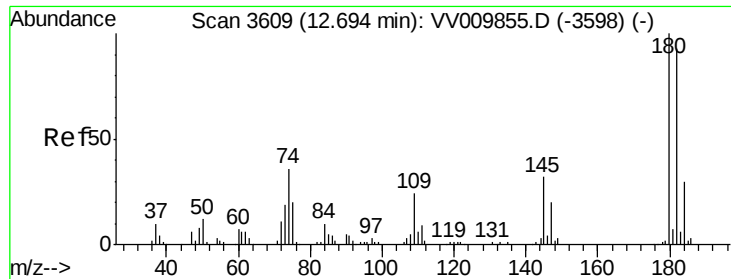
Ion Ratio Lower Upper

75 100

155 79.8 62.8 94.2

157 101.3 83.4 125.2

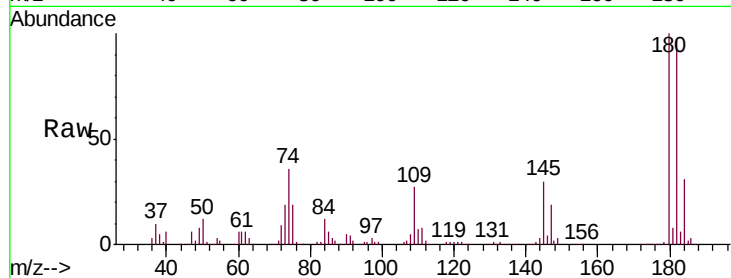




#67
 1,3,5-Trichlorobenzene
 Concen: 95.037 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009856.D
 Acq: 25 Mar 2019 12:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.0	112.6
184	30.4	24.1	36.1
145	30.3	24.2	36.4



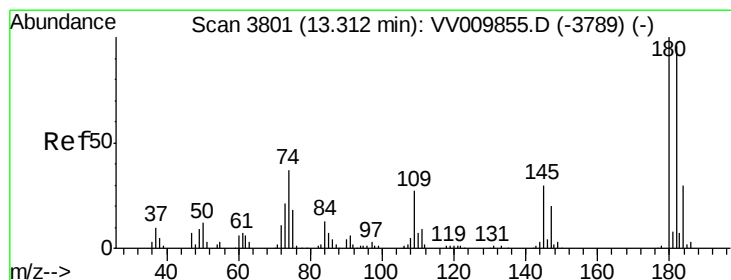
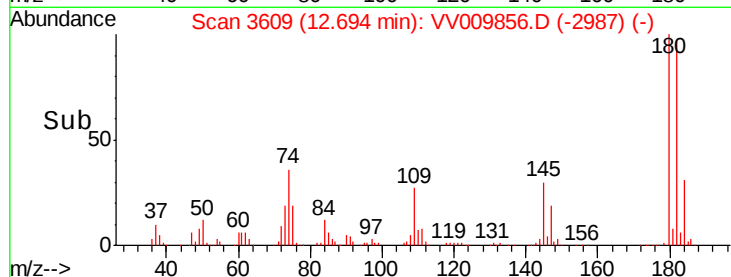
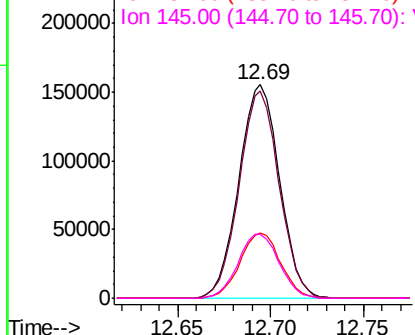
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

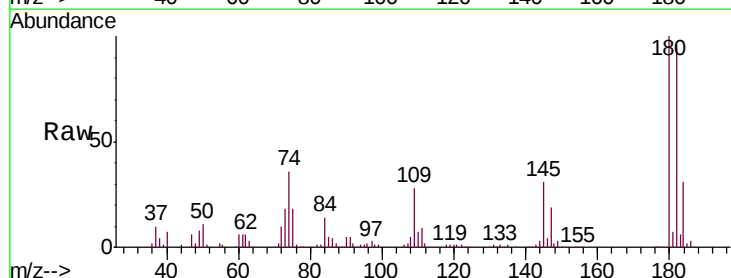
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 90.323 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009856.D
 Acq: 25 Mar 2019 12:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.1	115.7
145	30.6	24.3	36.5

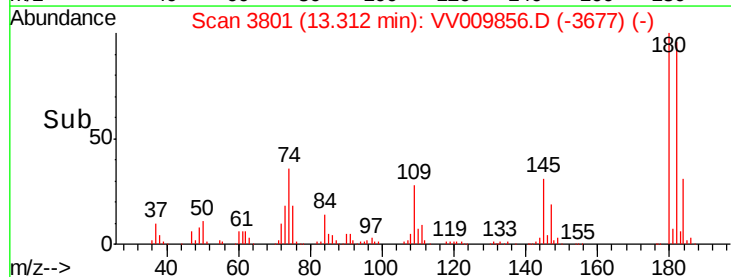
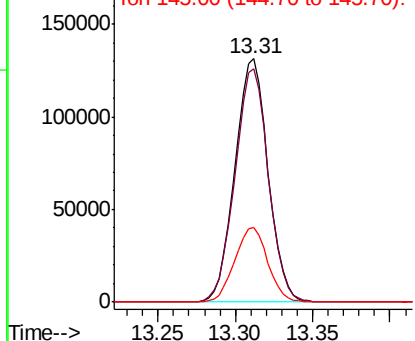


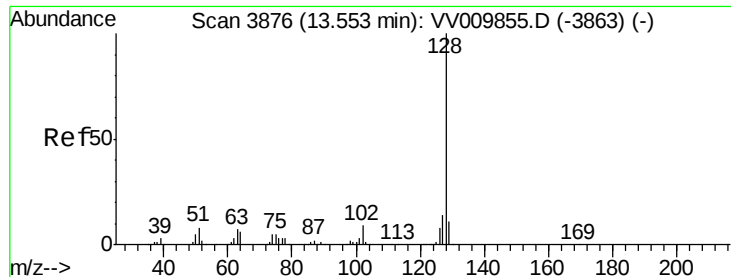
Abundance

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





#69

Naphthalene

Concen: 85.198 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

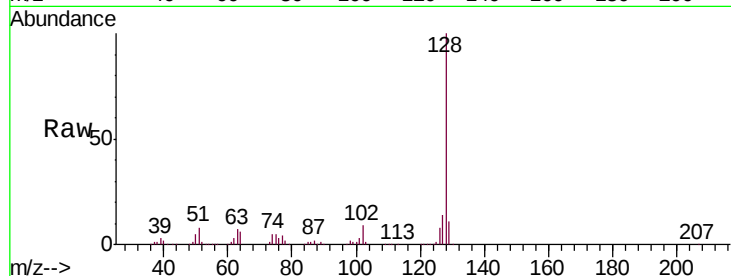
Tgt Ion:128 Resp: 572146

Ion Ratio Lower Upper

128 100

127 13.7 11.0 16.6

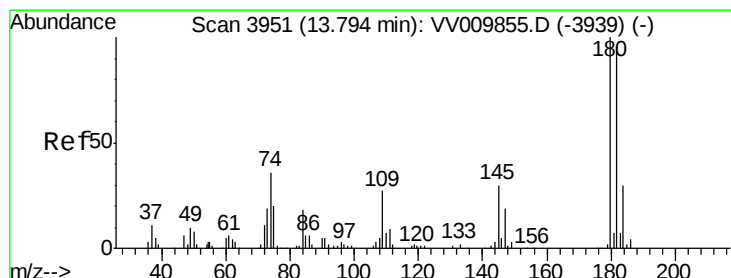
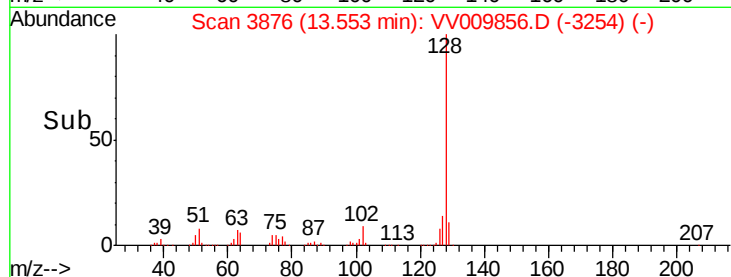
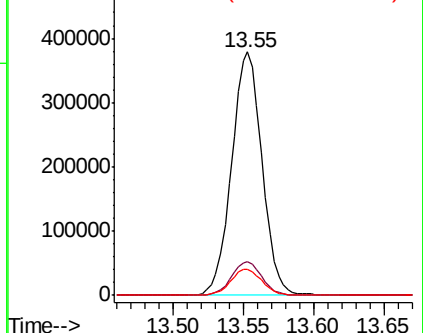
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 88.840 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009856.D

Acq: 25 Mar 2019 12:35

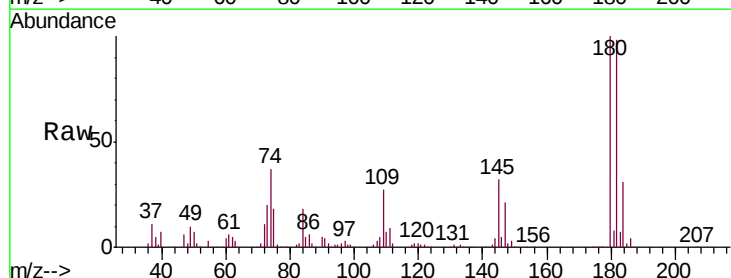
Tgt Ion:180 Resp: 200117

Ion Ratio Lower Upper

180 100

182 97.2 75.6 113.4

145 32.3 24.8 37.2



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

