

Data File : VV010843.D
Acq On : 11 May 2019 05:58
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02595

Quant Time: May 11 06:30:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Sat May 11 00:23:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	89587	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	93418	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	40952	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	25480	18.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.24%
7) Chloroethane-d5	1.55	69	25620	22.37	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.48%
10) 1,1-Dichloroethene-d2	2.12	63	62832	20.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.24%
20) 2-Butanone-d5	3.93	46	24998	59.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.72%
24) Chloroform-d	4.39	84	65732	26.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.64%
26) 1,2-Dichloroethane-d4	5.07	65	43009	28.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.80%
29) Benzene-d6	5.09	84	121121	24.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.52%
33) 1,2-Dichloropropane-d6	6.11	67	41829	26.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.80%
37) Toluene-d8	7.36	98	107119	22.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.00%
38) trans-1,3-Dichloropropene-	7.66	79	16753	23.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.80%
39) 2-Hexanone-d5	8.13	63	16515	50.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	40350	27.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	40624	25.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	22981	18.522 ug/L	100
3) Chloromethane	1.24	50	30830	20.426 ug/L	96
5) Vinyl chloride	1.32	62	35656	20.345 ug/L	99
6) Bromomethane	1.51	94	12974	15.265 ug/L	100
8) Chloroethane	1.57	64	25140	23.033 ug/L	99
9) Trichlorofluoromethane	1.75	101	53223	20.174 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	32050	21.279 ug/L	96
12) 1,1-Dichloroethene	2.13	96	31365	22.239 ug/L	94
13) Acetone	2.18	43	19292	29.838 ug/L	99
14) Carbon disulfide	2.30	76	75579	21.807 ug/L	98
15) Methyl Acetate	2.45	43	22125	28.645 ug/L	98
16) Methylene chloride	2.53	84	37686	27.206 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	99803	28.260 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	31256	24.517 ug/L	98
19) 1,1-Dichloroethane	3.22	63	67374	27.374 ug/L	98
21) 2-Butanone	4.01	43	27237	44.449 ug/L	95
22) cis-1,2-Dichloroethene	3.95	96	38076	26.145 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	17933	27.393	ug/L	92
25) Chloroform	4.42	83	73670	27.171	ug/L	99
27) 1,2-Dichloroethane	5.17	62	54450	27.475	ug/L	100
30) Cyclohexane	4.72	56	42521	18.148	ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	53458	22.951	ug/L	99
32) Carbon tetrachloride	4.87	117	43394	21.388	ug/L	96
34) Benzene	5.14	78	141562	25.814	ug/L	100
35) Trichloroethene	5.96	95	35438	23.070	ug/L	97
36) Methylcyclohexane	6.17	83	43538	17.684	ug/L	99
40) 1,2-Dichloropropane	6.22	63	40461	27.735	ug/L	98
41) Bromodichloromethane	6.55	83	53203	26.541	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	58371	25.297	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	61929	50.431	ug/L	99
44) Toluene	7.43	91	151993	24.403	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	48946	25.191	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	32148	26.824	ug/L	97
47) Tetrachloroethene	8.02	164	23594	21.209	ug/L	95
49) 2-Hexanone	8.18	43	41025	43.941	ug/L	98
50) Dibromochloromethane	8.29	129	36225	26.285	ug/L	99
51) 1,2-Dibromoethane	8.40	107	30835	26.639	ug/L	97
52) Chlorobenzene	8.92	112	97707	24.012	ug/L	97
53) Ethylbenzene	9.05	91	164610	22.793	ug/L	99
54) m,p-Xylene	9.18	106	61059	22.630	ug/L	100
55) o-xylene	9.59	106	63347	23.670	ug/L	95
56) Styrene	9.60	104	111490	24.630	ug/L	99
57) Isopropylbenzene	9.97	105	155858	21.828	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	39888	25.404	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	31174	25.439	ug/L	100
62) Bromoform	9.77	173	19212	27.550	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	70075	24.582	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	72881	25.029	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	71237	25.729	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	6344	24.693	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	46085	22.443	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	36642	23.062	ug/L	99
69) Naphthalene	13.55	128	80505	23.672	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	36574	24.540	ug/L	99

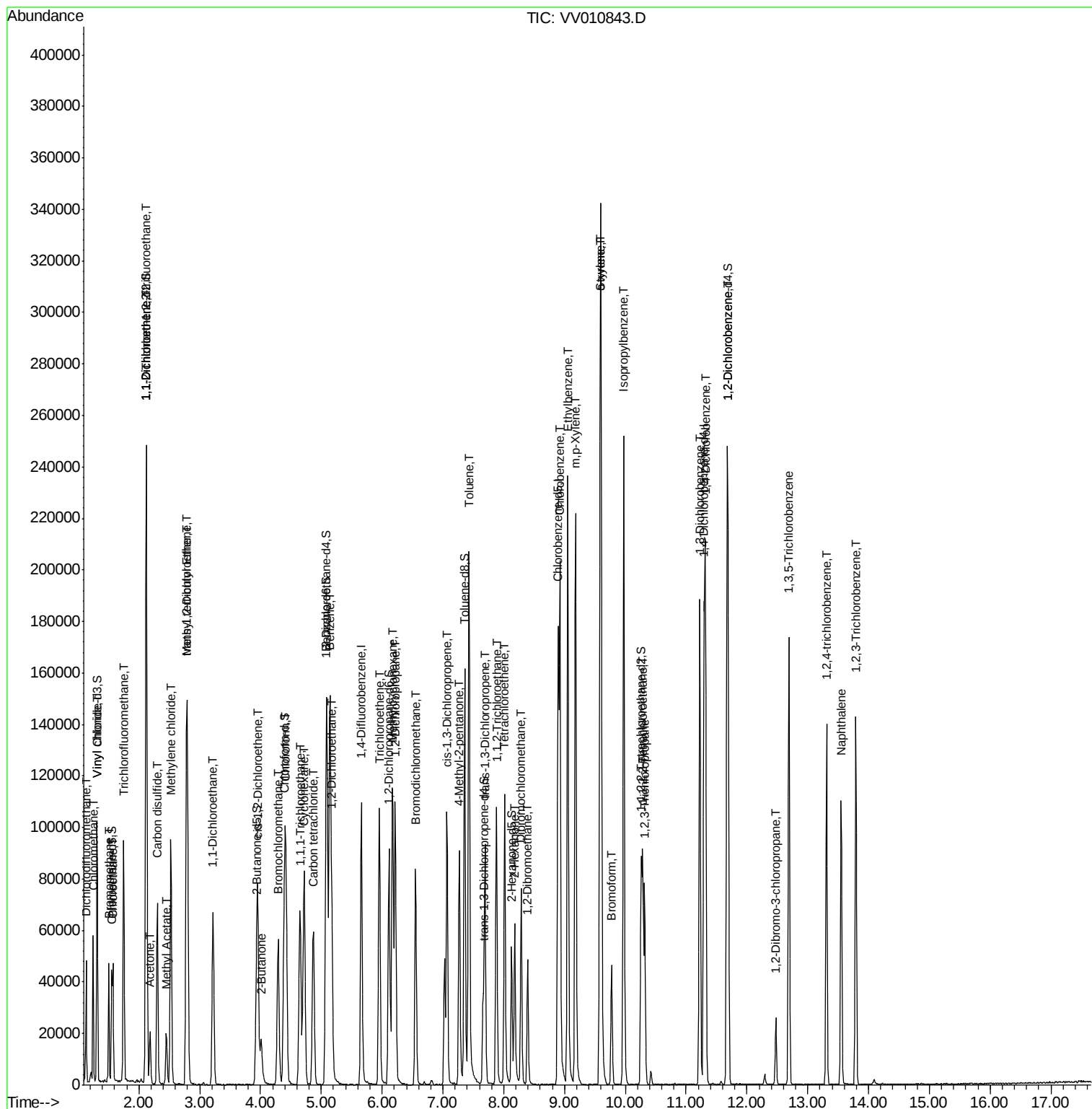
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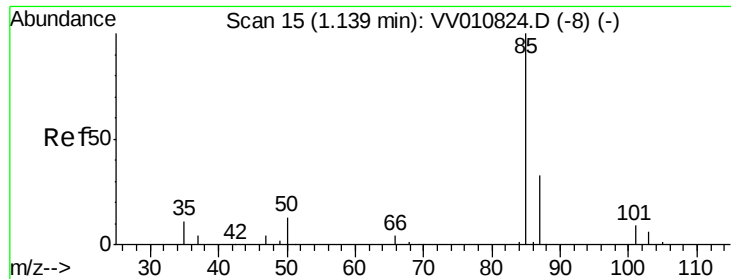
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#2

Dichlorodifluoromethane

Concen: 18.522 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.01 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

Instrument :

MSVOA_V

ClientSampled :

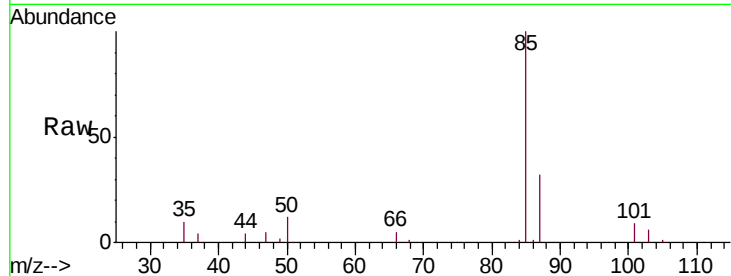
VSTD02595

Tgt Ion: 85 Resp: 22981

Ion Ratio Lower Upper

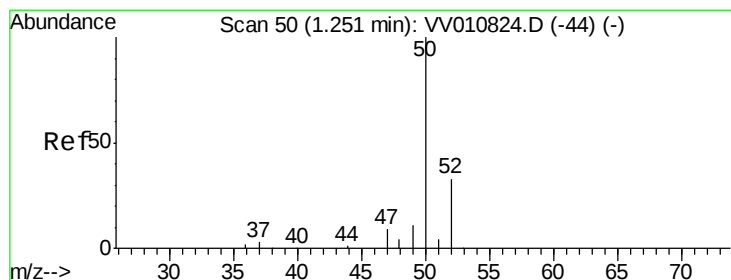
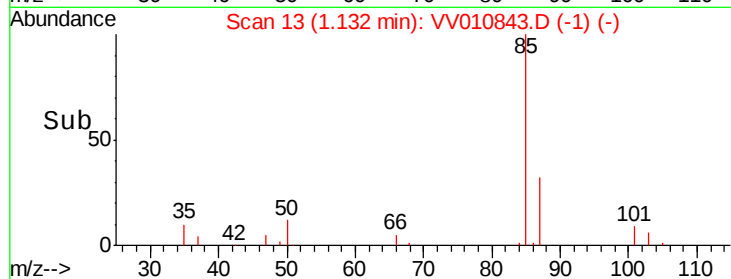
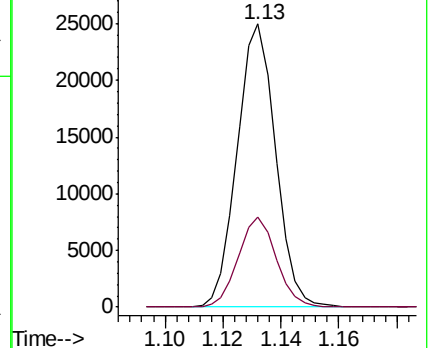
85 100

87 31.5 21.9 40.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 20.426 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.01 min

Lab File: VV010843.D

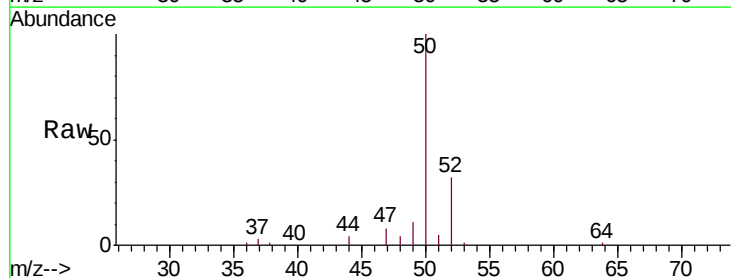
Acq: 11 May 2019 05:58

Tgt Ion: 50 Resp: 30830

Ion Ratio Lower Upper

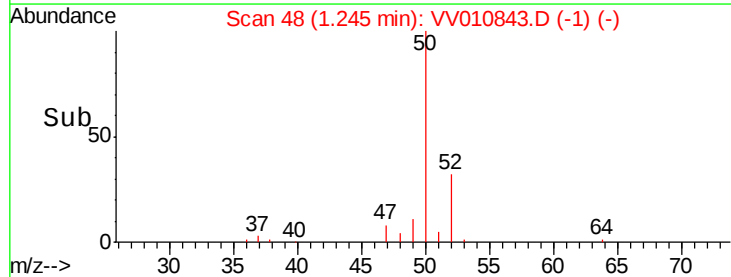
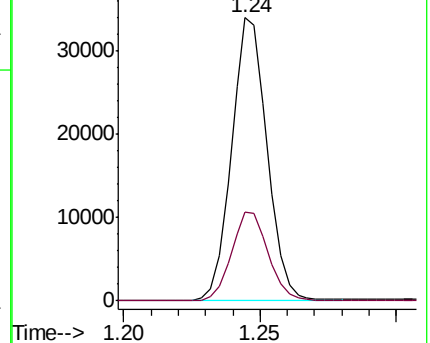
50 100

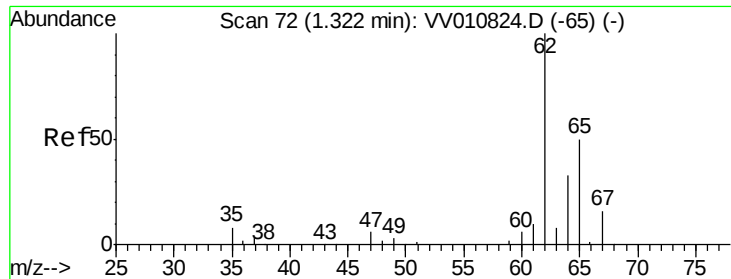
52 31.6 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 20.345 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

Instrument :

MSVOA_V

ClientSampleId :

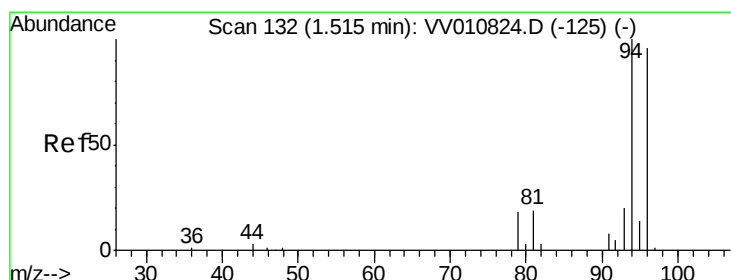
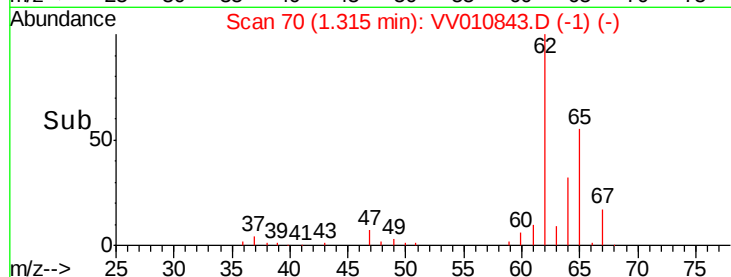
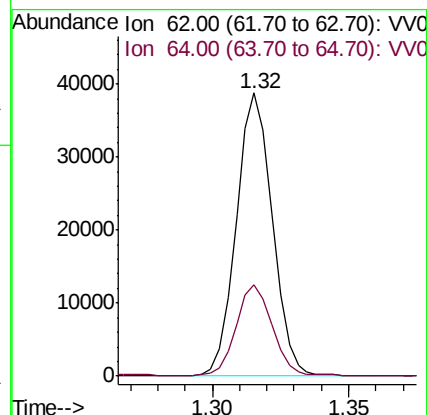
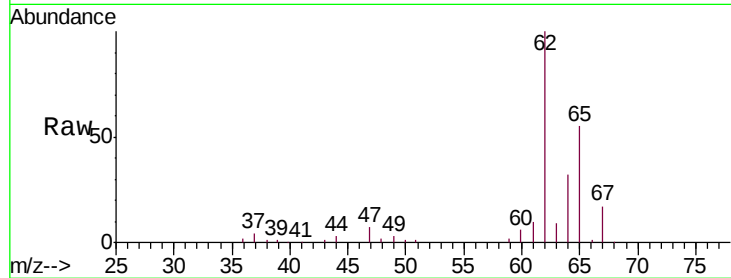
VSTD02595

Tgt Ion: 62 Resp: 35656

Ion Ratio Lower Upper

62 100

64 32.4 22.9 42.5



#6

Bromomethane

Concen: 15.265 ug/L

RT: 1.51 min Scan# 129

Delta R.T. -0.01 min

Lab File: VV010843.D

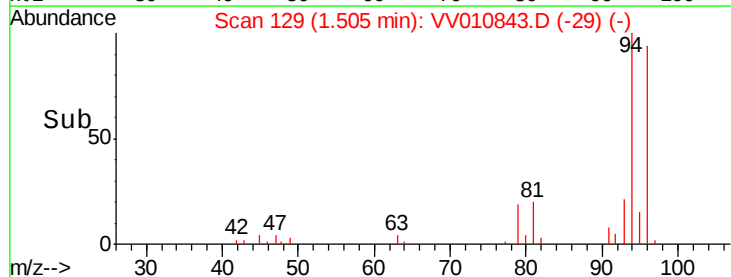
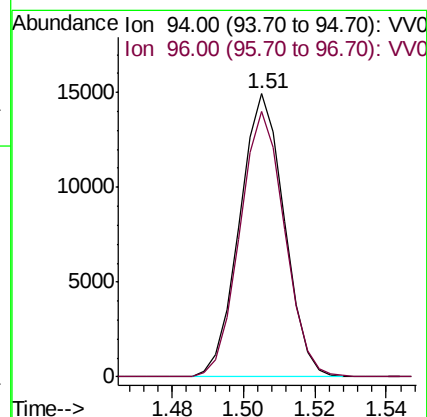
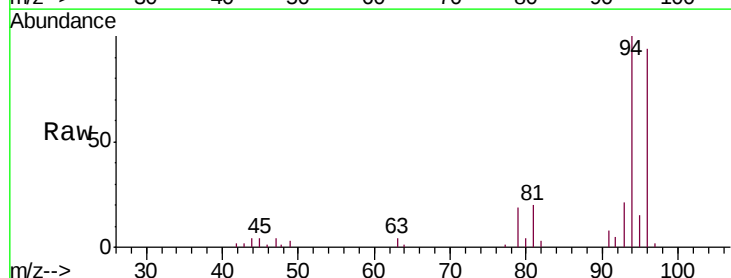
Acq: 11 May 2019 05:58

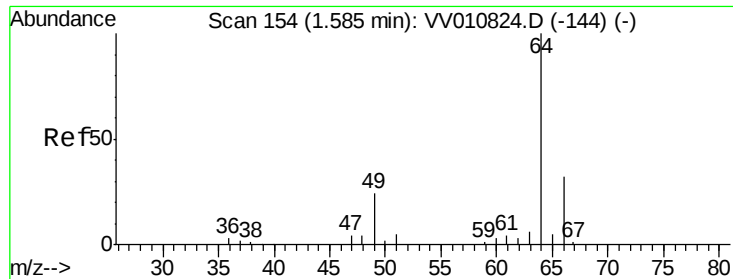
Tgt Ion: 94 Resp: 12974

Ion Ratio Lower Upper

94 100

96 93.9 9.4 179.0





#8

Chloroethane

Concen: 23.033 ug/L

RT: 1.57 min Scan# 150

Delta R.T. -0.01 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

Instrument :

MSVOA_V

ClientSampleId :

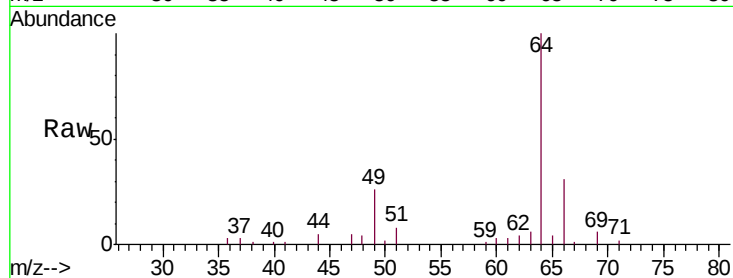
VSTD02595

Tgt Ion: 64 Resp: 25140

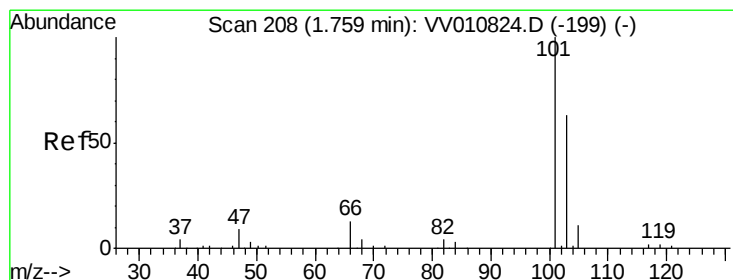
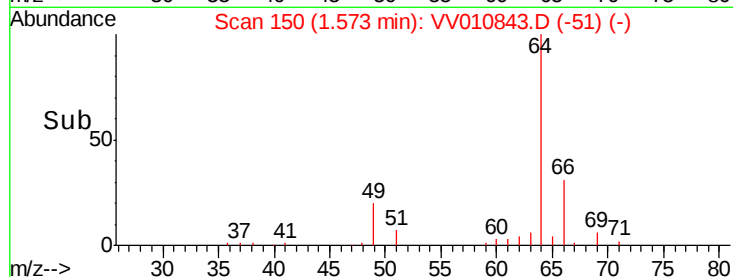
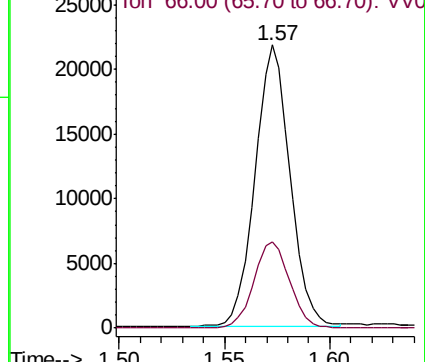
Ion Ratio Lower Upper

64 100

66 30.7 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VV010824.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 20.174 ug/L

RT: 1.75 min Scan# 205

Delta R.T. -0.01 min

Lab File: VV010843.D

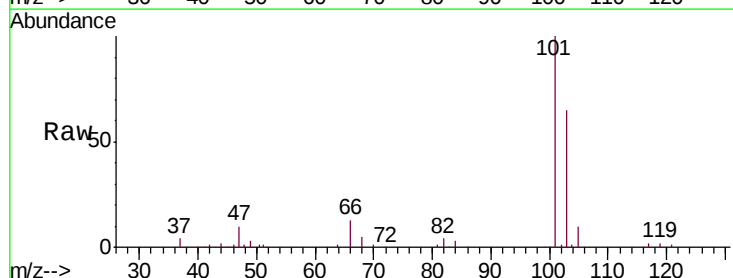
Acq: 11 May 2019 05:58

Tgt Ion: 101 Resp: 53223

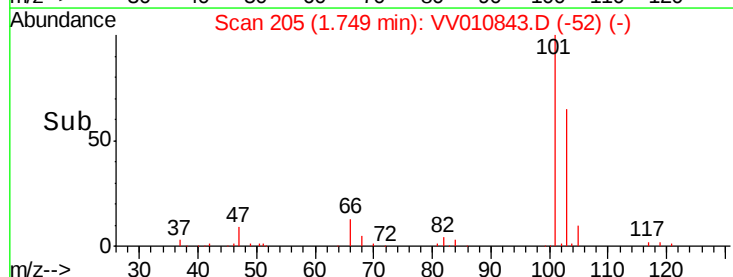
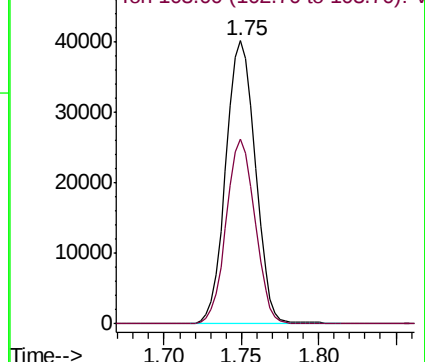
Ion Ratio Lower Upper

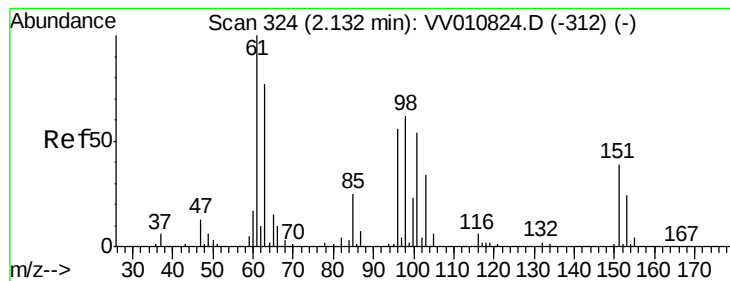
101 100

103 63.6 44.7 82.9



Abundance Ion 101.00 (100.70 to 101.70): VV010824.D (-199) (-)





#11

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

Concen: 21.279 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD02595

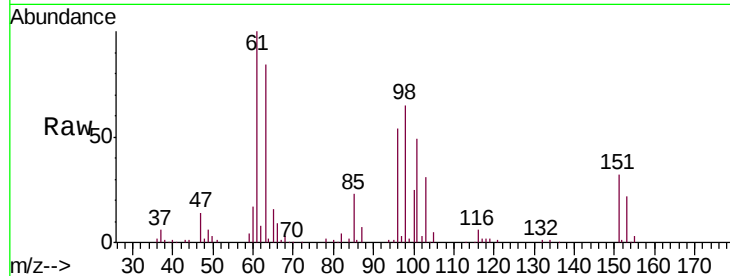
Tgt Ion: 101 Resp: 32050

Ion Ratio Lower Upper

101 100

85 44.0 36.0 54.0

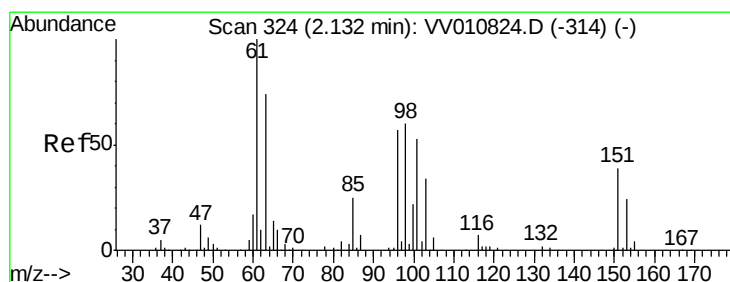
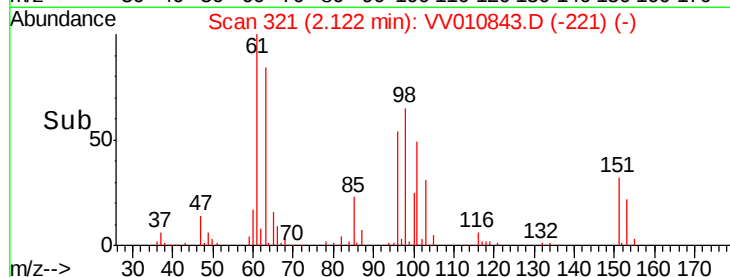
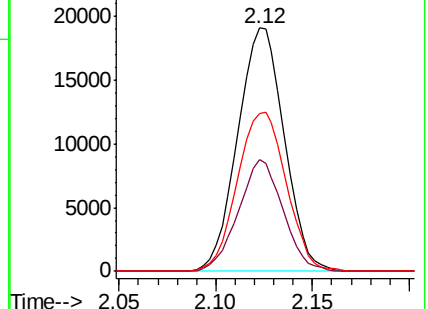
151 68.6 58.5 87.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 22.239 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

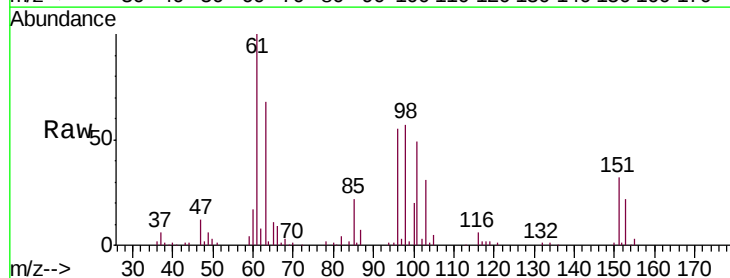
Tgt Ion: 96 Resp: 31365

Ion Ratio Lower Upper

96 100

61 180.8 120.3 223.3

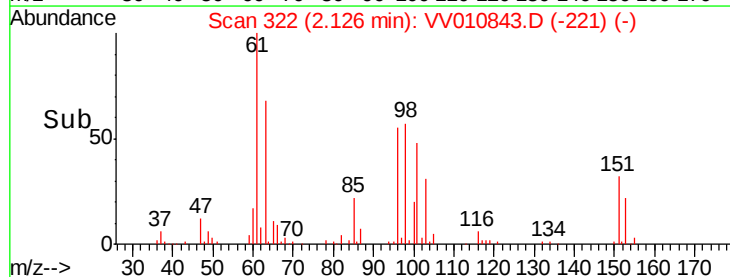
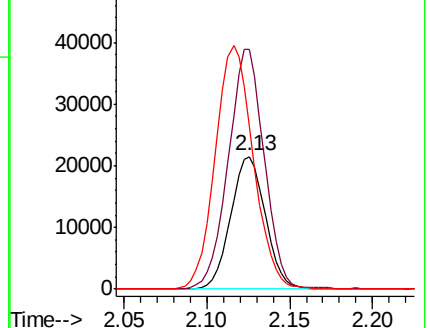
63 123.2 82.9 153.9

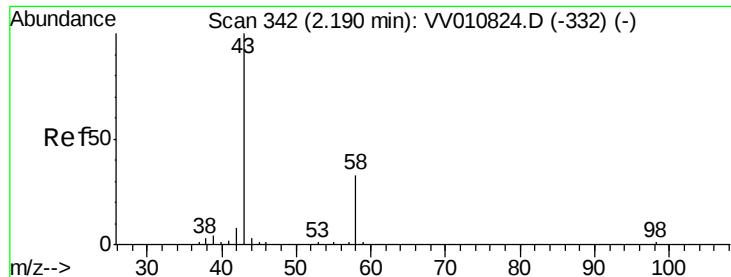


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 29.838 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

Instrument :

MSVOA_V

ClientSampled :

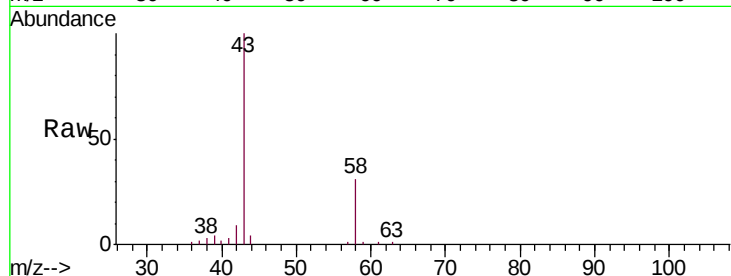
VSTD02595

Tgt Ion: 43 Resp: 19292

Ion Ratio Lower Upper

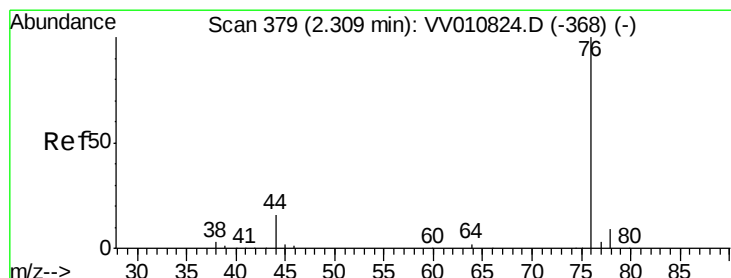
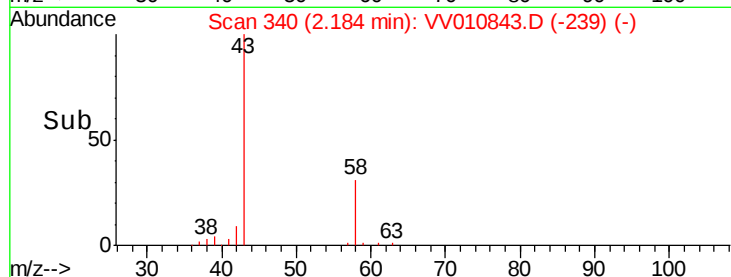
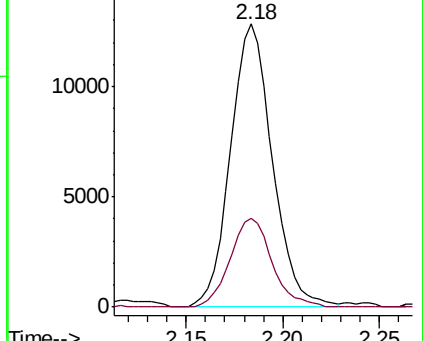
43 100

58 31.4 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV010824.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV010824.D (-332) (-)



#14

Carbon disulfide

Concen: 21.807 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.01 min

Lab File: VV010843.D

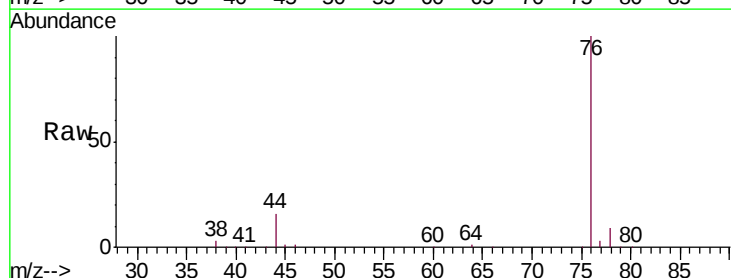
Acq: 11 May 2019 05:58

Tgt Ion: 76 Resp: 75579

Ion Ratio Lower Upper

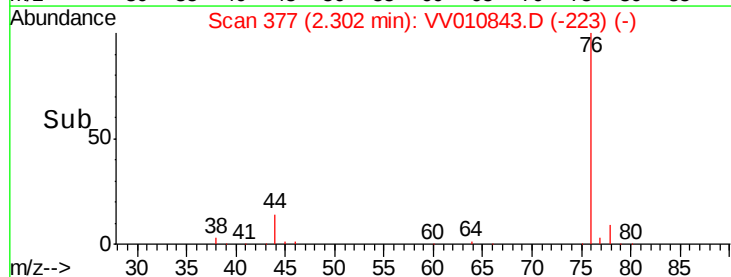
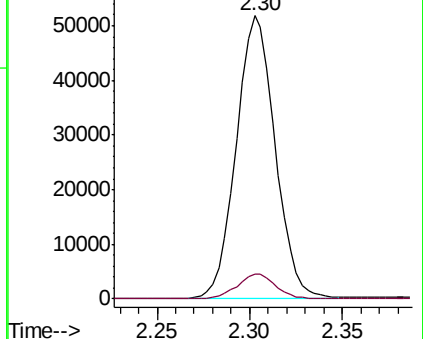
76 100

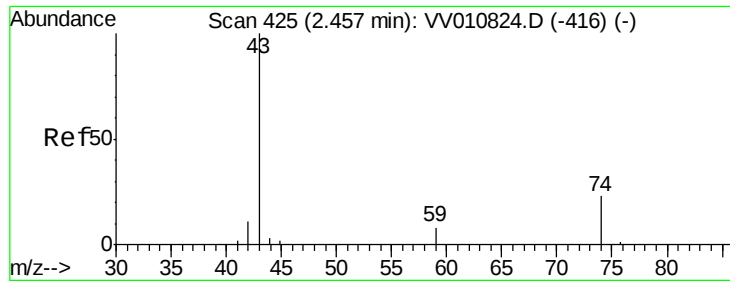
78 8.9 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VV010824.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV010824.D (-368) (-)

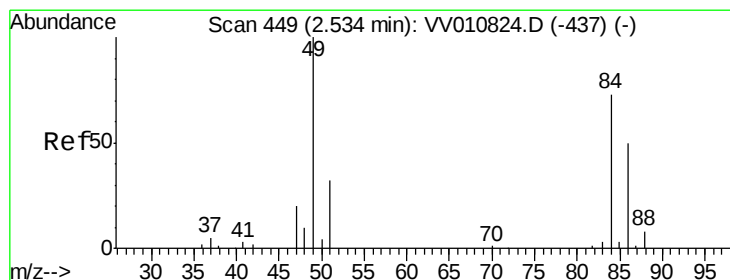
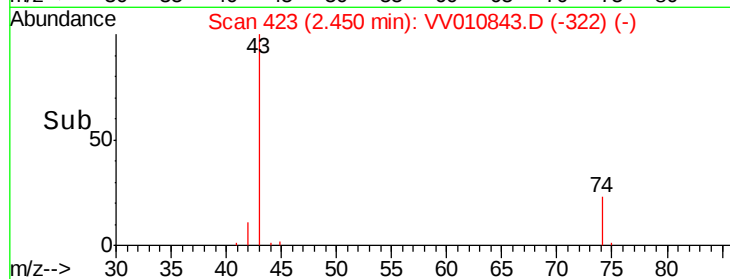
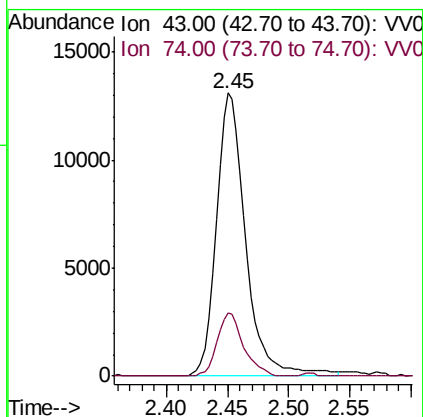
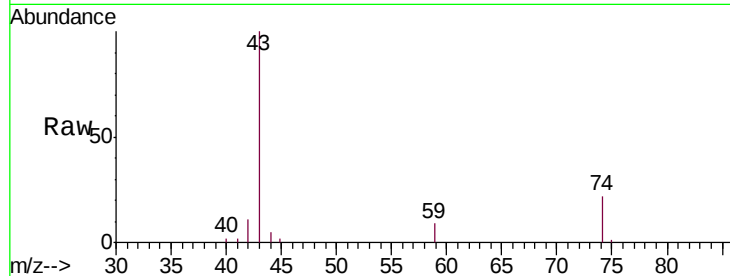




#15
Methyl Acetate
Concen: 28.645 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.01 min
Lab File: VV010843.D
Acq: 11 May 2019 05:58

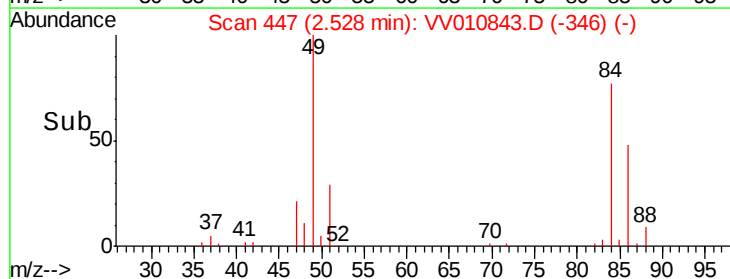
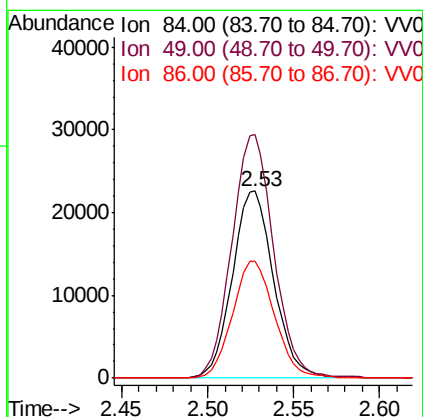
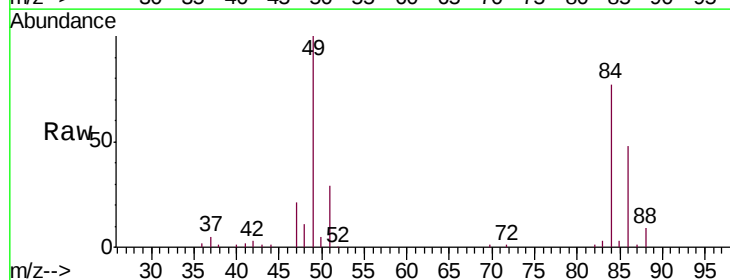
Instrument :
MSVOA_V
ClientSampleId :
VSTD02595

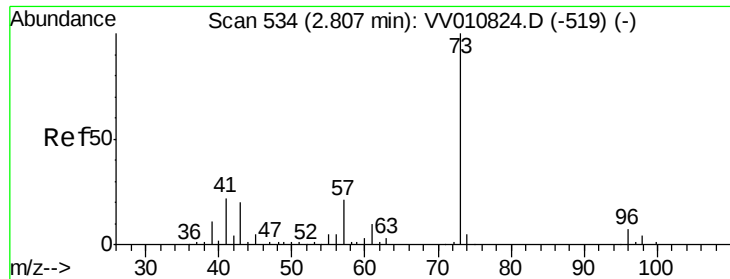
Tgt Ion: 43 Resp: 22125
Ion Ratio Lower Upper
43 100
74 20.1 17.0 25.4



#16
Methylene chloride
Concen: 27.206 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.01 min
Lab File: VV010843.D
Acq: 11 May 2019 05:58

Tgt Ion: 84 Resp: 37686
Ion Ratio Lower Upper
84 100
49 130.4 92.9 172.5
86 62.8 46.5 86.5

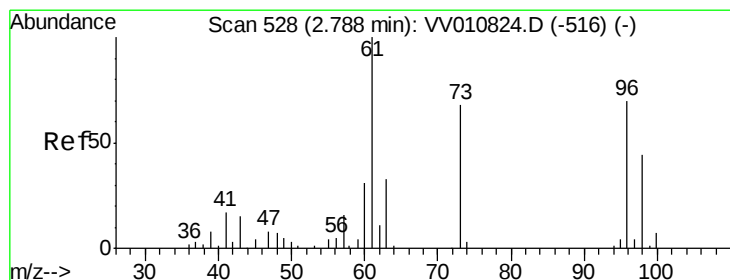
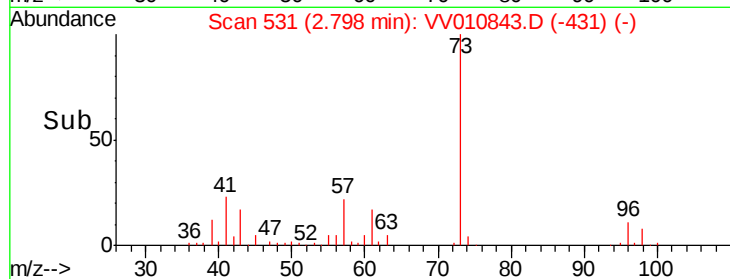
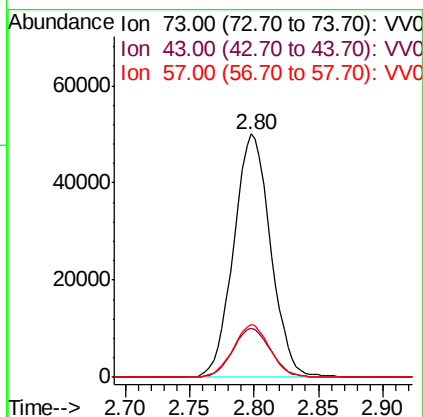
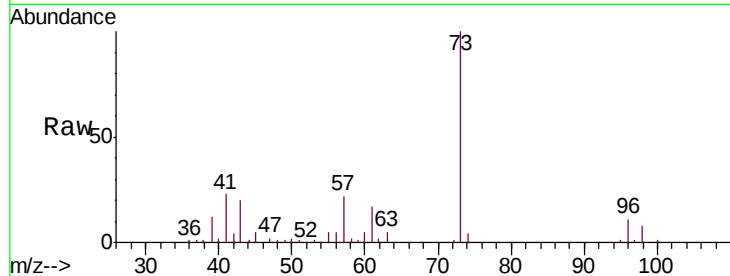




#17
Methyl tert-butyl Ether
Concen: 28.260 ug/L
RT: 2.80 min Scan# 531
Delta R.T. -0.01 min
Lab File: VV010843.D
Acq: 11 May 2019 05:58

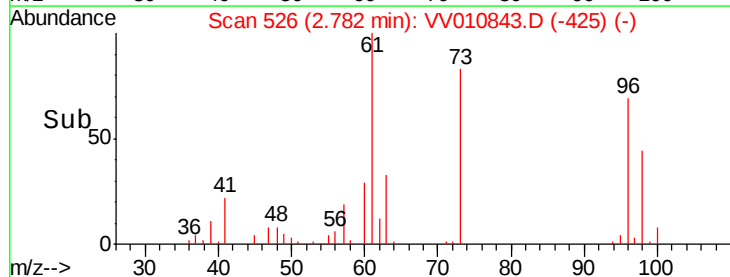
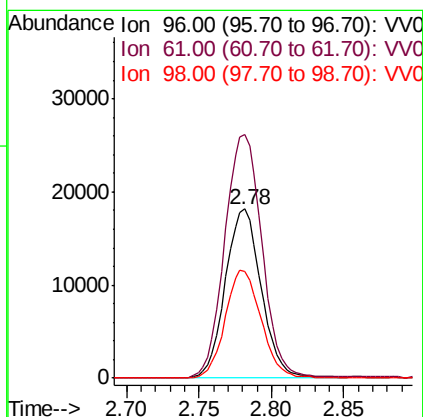
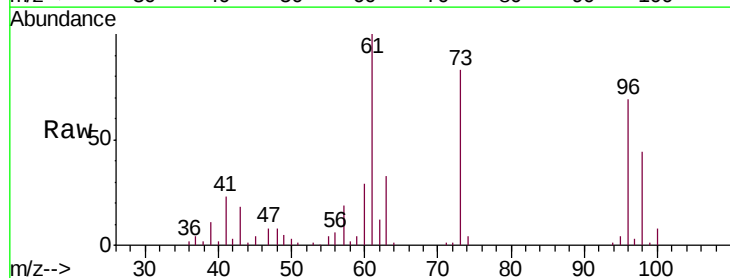
Instrument :
MSVOA_V
ClientSampleId :
VSTD02595

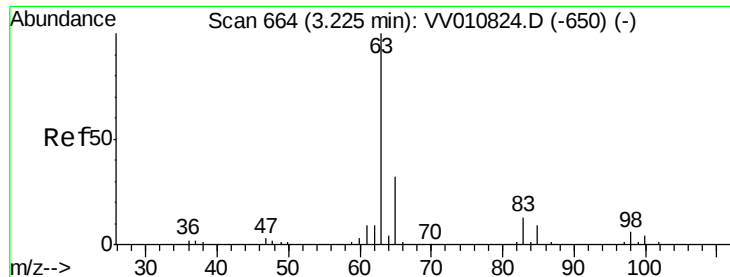
Tgt Ion: 73 Resp: 99803
Ion Ratio Lower Upper
73 100
43 20.7 16.6 25.0
57 21.6 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 24.517 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.01 min
Lab File: VV010843.D
Acq: 11 May 2019 05:58

Tgt Ion: 96 Resp: 31256
Ion Ratio Lower Upper
96 100
61 143.9 102.8 190.8
98 63.2 44.0 81.6

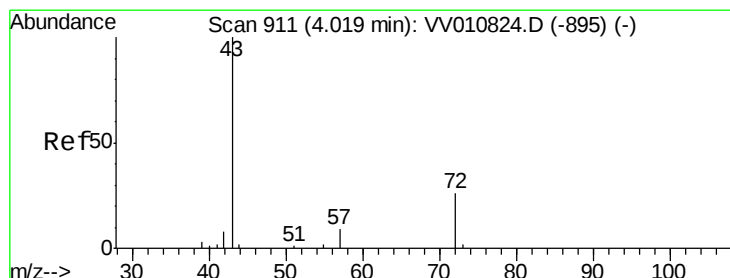
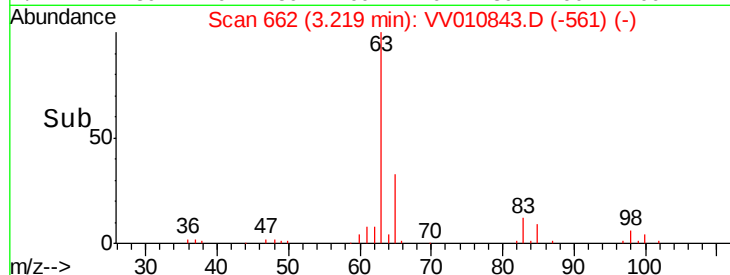
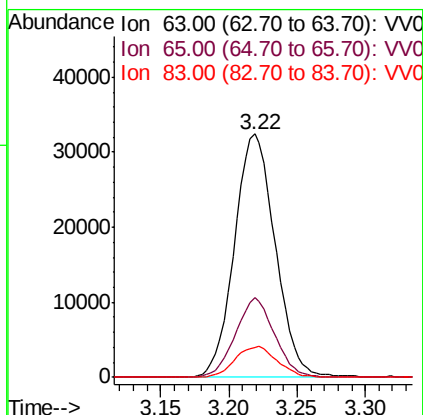
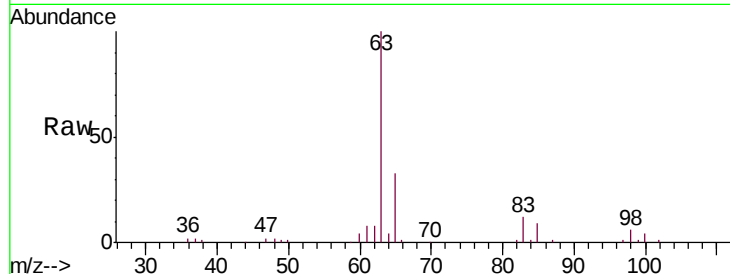




#19
 1,1-Dichloroethane
 Concen: 27.374 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: VV010843.D
 Acq: 11 May 2019 05:58

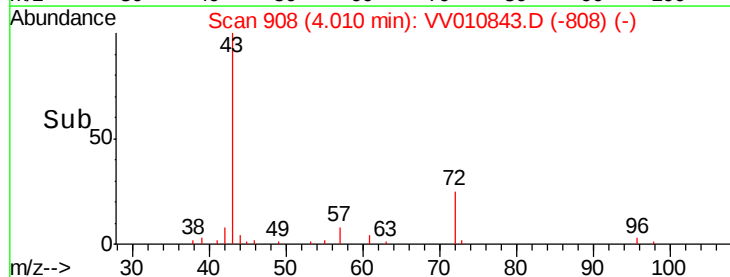
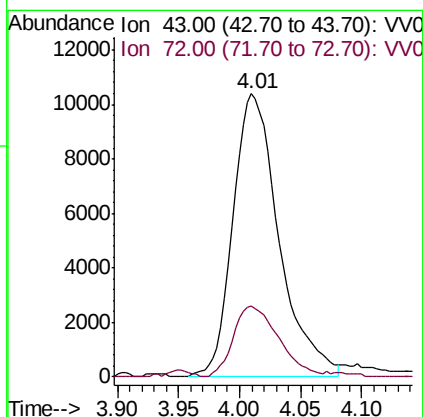
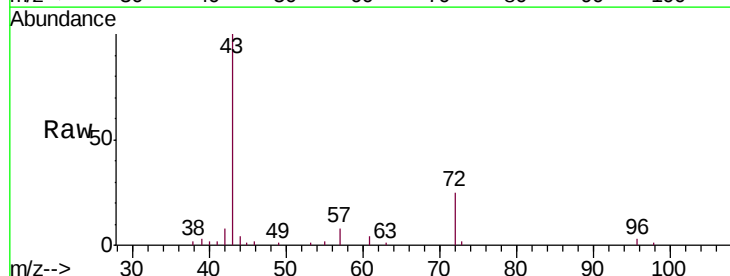
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02595

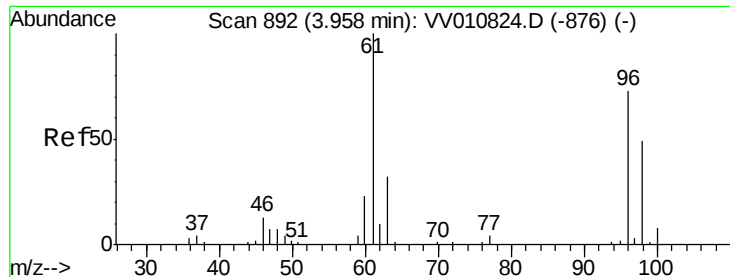
Tgt Ion: 63 Resp: 67374
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.5 41.7
 83 12.4 10.3 19.1



#21
 2-Butanone
 Concen: 44.449 ug/L
 RT: 4.01 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: VV010843.D
 Acq: 11 May 2019 05:58

Tgt Ion: 43 Resp: 27237
 Ion Ratio Lower Upper
 43 100
 72 24.6 11.2 33.6



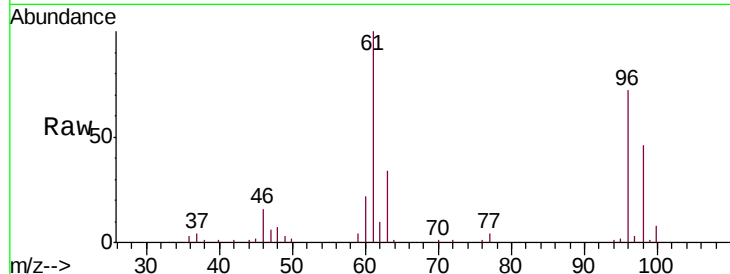


#22

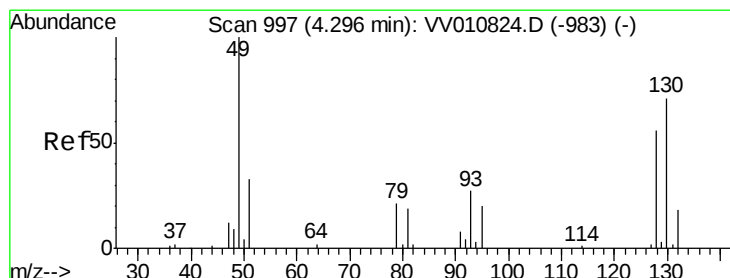
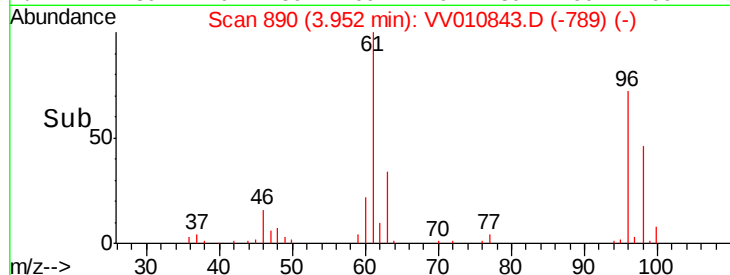
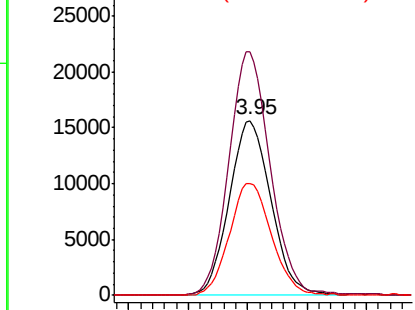
cis-1,2-Dichloroethene
 Concen: 26.145 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: VV010843.D
 Acq: 11 May 2019 05:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02595

Tgt Ion: 96 Resp: 38076
 Ion Ratio Lower Upper
 96 100
 61 139.3 93.9 174.5
 98 64.0 46.5 86.5



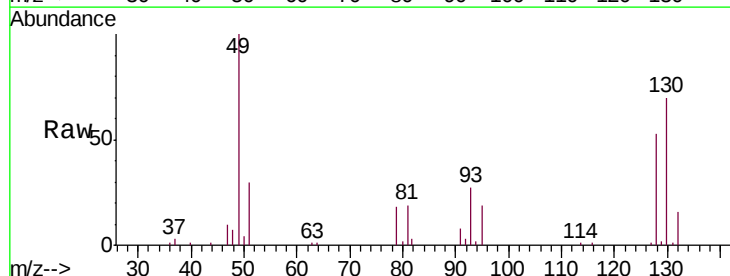
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



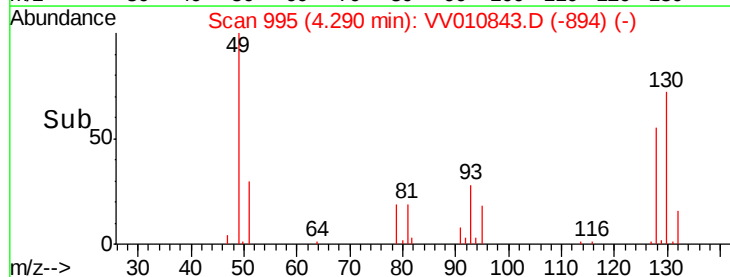
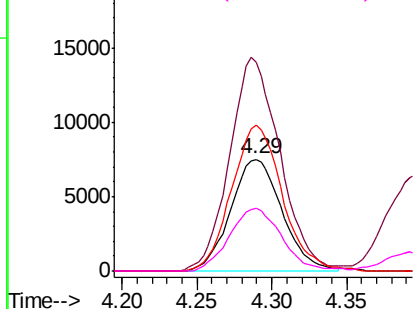
#23

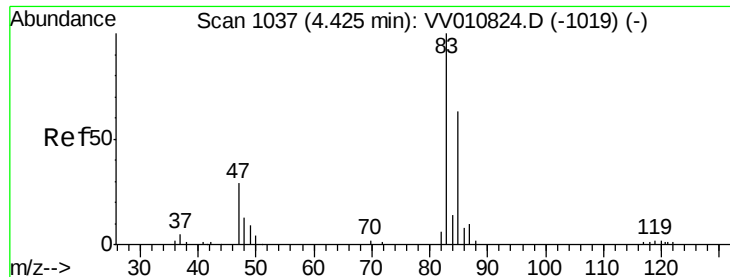
Bromochloromethane
 Concen: 27.393 ug/L
 RT: 4.29 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VV010843.D
 Acq: 11 May 2019 05:58

Tgt Ion: 128 Resp: 17933
 Ion Ratio Lower Upper
 128 100
 49 187.6 122.6 227.8
 130 130.4 84.0 156.0
 51 55.8 45.0 67.4



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

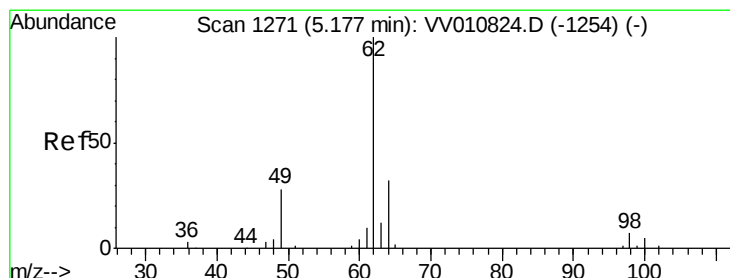
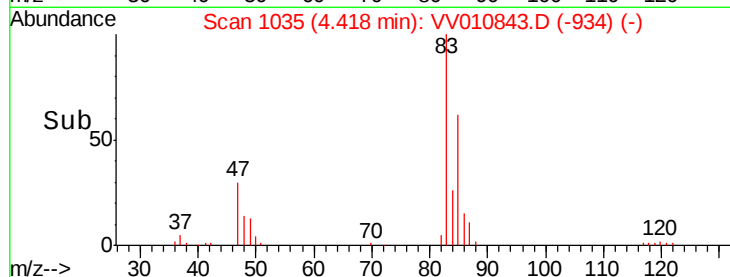
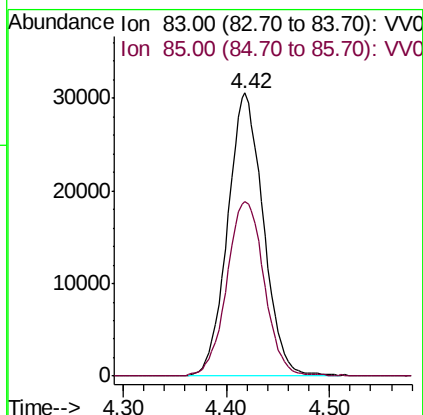
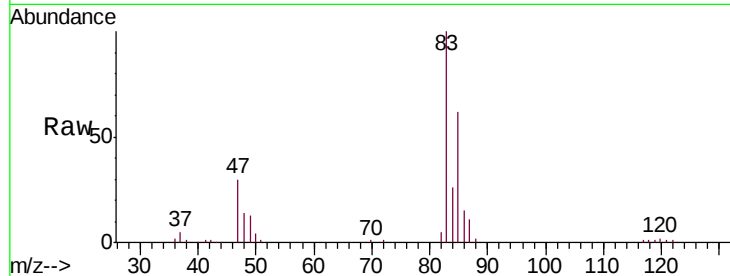




#25
Chloroform
Concen: 27.171 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VV010843.D
Acq: 11 May 2019 05:58

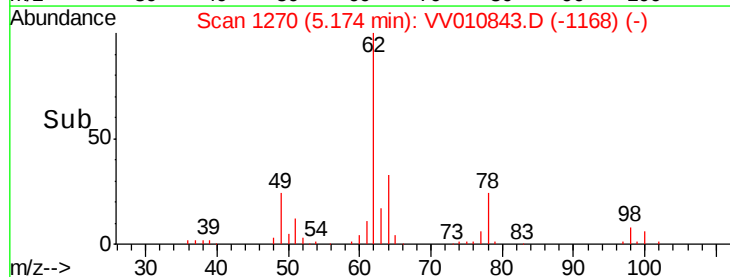
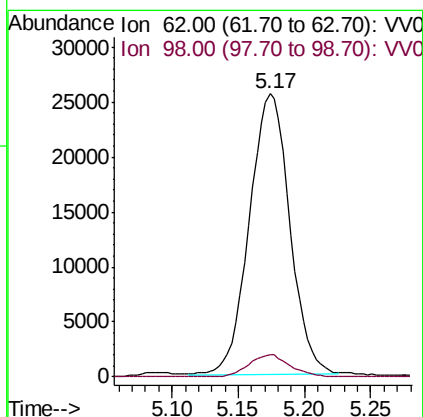
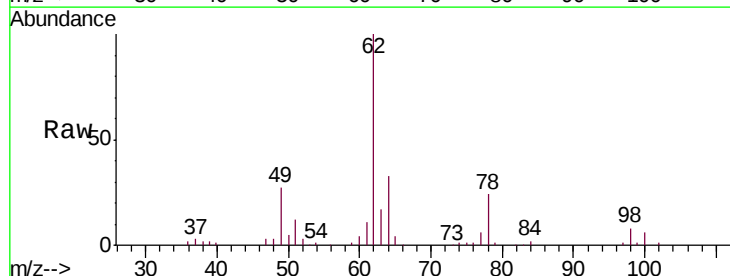
Instrument :
MSVOA_V
ClientSampleId :
VSTD02595

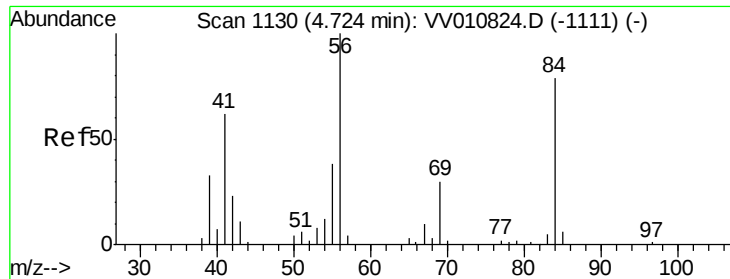
Tgt Ion: 83 Resp: 73670
Ion Ratio Lower Upper
83 100
85 64.6 44.6 82.8



#27
1,2-Dichloroethane
Concen: 27.475 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV010843.D
Acq: 11 May 2019 05:58

Tgt Ion: 62 Resp: 54450
Ion Ratio Lower Upper
62 100
98 8.0 6.3 9.5

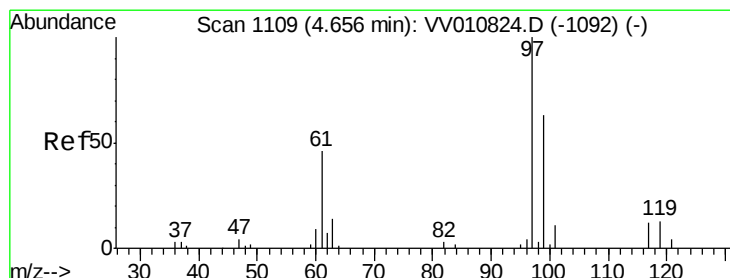
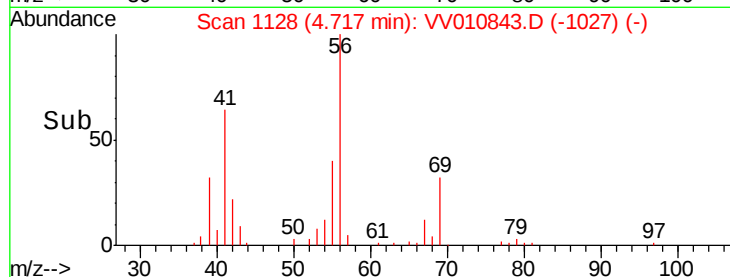
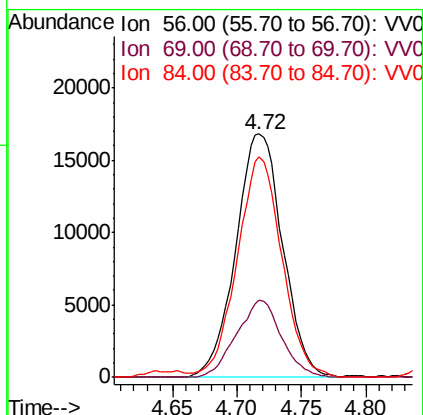
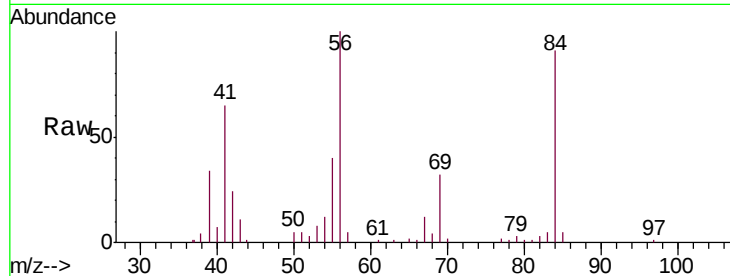




#30
Cyclohexane
Concen: 18.148 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VV010843.D
Acq: 11 May 2019 05:58

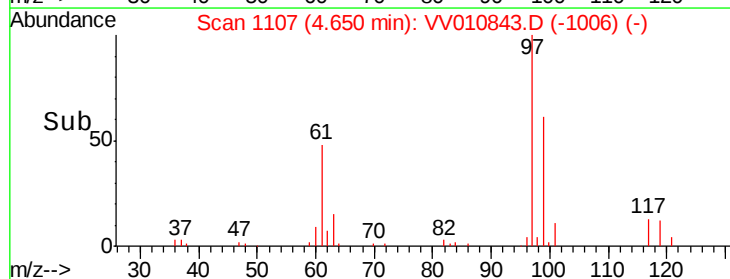
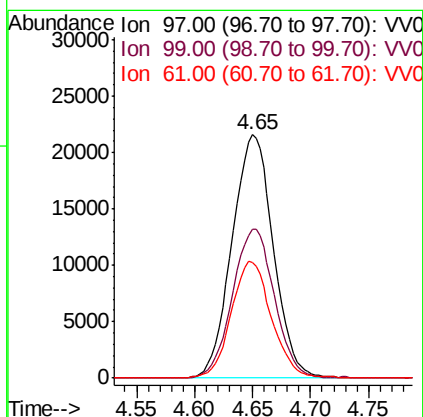
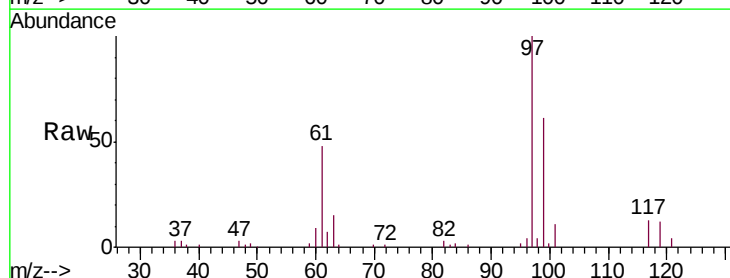
Instrument :
MSVOA_V
ClientSampleId :
VSTD02595

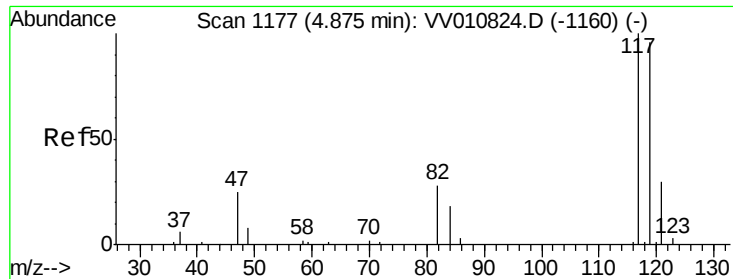
Tgt Ion: 56 Resp: 42521
Ion Ratio Lower Upper
56 100
69 30.5 24.2 36.4
84 86.8 66.5 99.7



#31
1,1,1-Trichloroethane
Concen: 22.951 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VV010843.D
Acq: 11 May 2019 05:58

Tgt Ion: 97 Resp: 53458
Ion Ratio Lower Upper
97 100
99 62.0 50.2 75.2
61 46.8 36.7 55.1





#32

Carbon tetrachloride

Concen: 21.388 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

Instrument :

MSVOA_V

ClientSampleId :

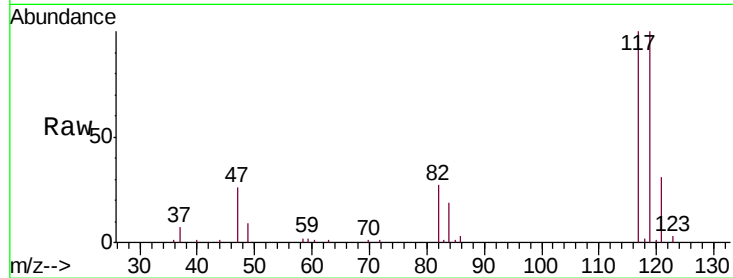
VSTD02595

Tgt Ion:117 Resp: 43394

Ion Ratio Lower Upper

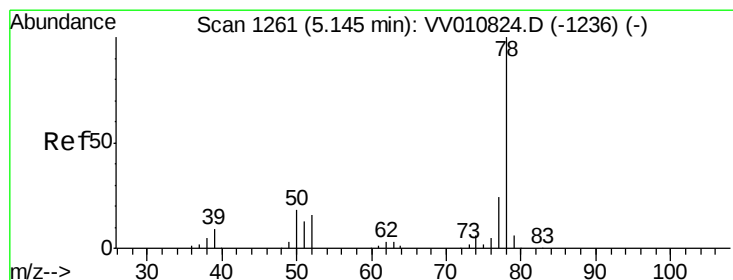
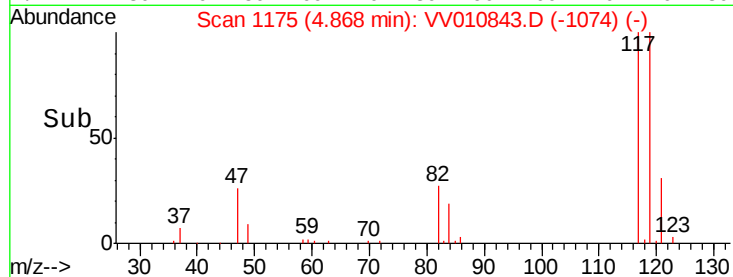
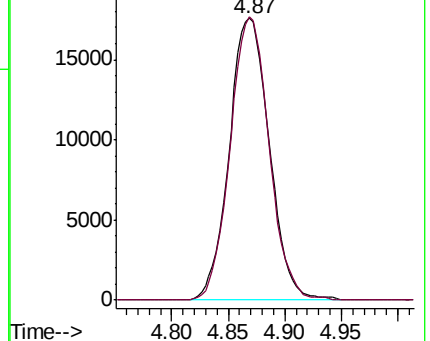
117 100

119 97.3 74.9 112.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.814 ug/L

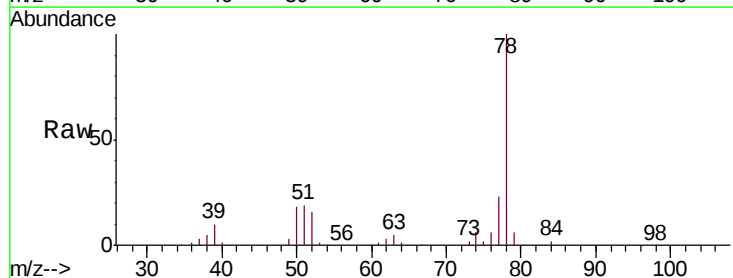
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

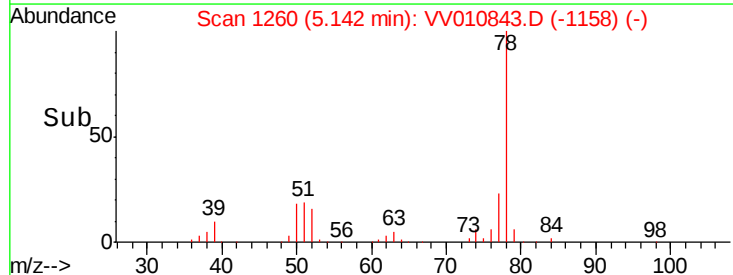
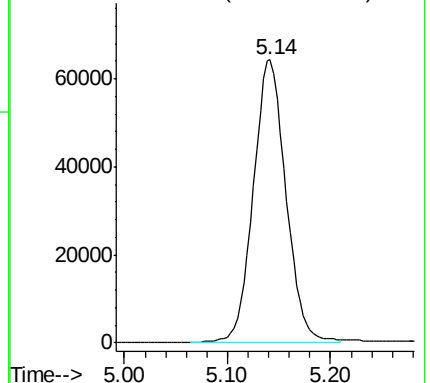
Lab File: VV010843.D

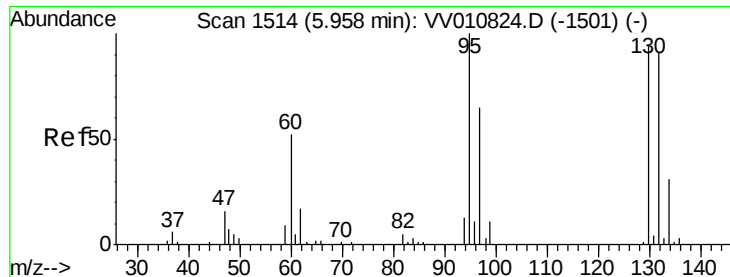
Acq: 11 May 2019 05:58

Tgt Ion: 78 Resp: 141562



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 23.070 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD02595

Tgt Ion: 95 Resp: 35438

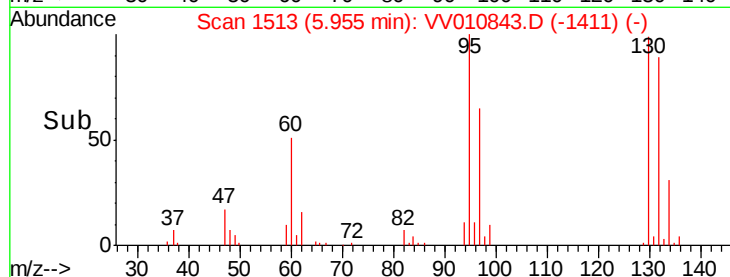
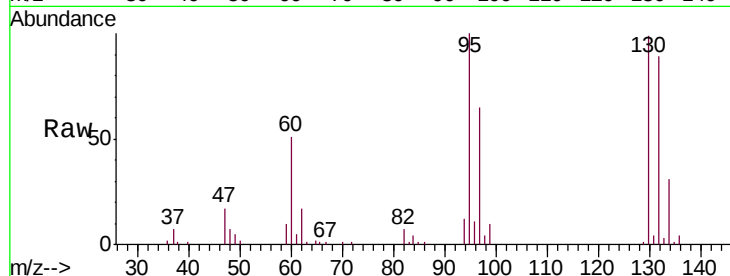
Ion Ratio Lower Upper

95 100

97 65.7 44.3 82.3

132 94.6 62.4 115.8

130 98.4 68.5 127.3

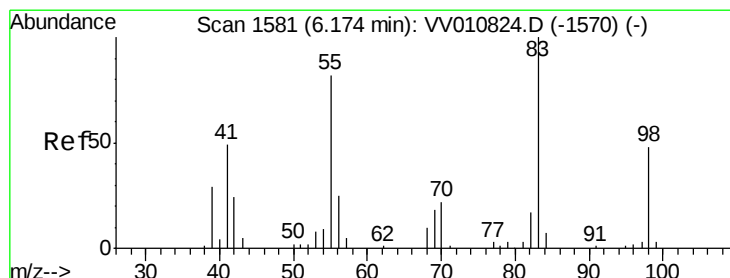
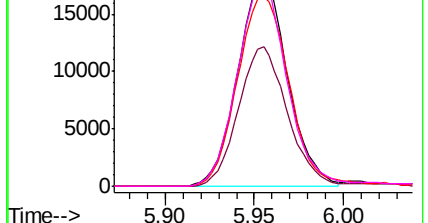


Abundance Ion 95.00 (94.70 to 95.70): VV010824.D (-1501) (-)

Ion 97.00 (96.70 to 97.70): VV010824.D (-1501) (-)

Ion 132.00 (131.70 to 132.70): VV010824.D (-1501) (-)

Ion 130.00 (129.70 to 130.70): VV010824.D (-1501) (-)



#36

Methylcyclohexane

Concen: 17.684 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

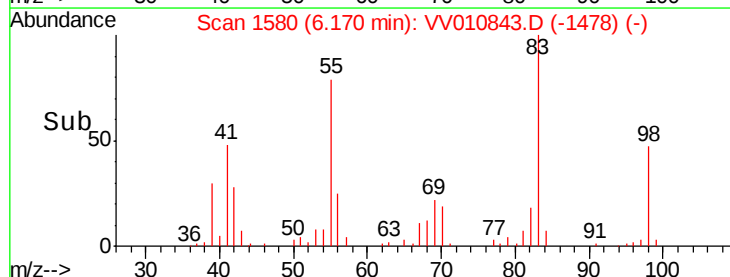
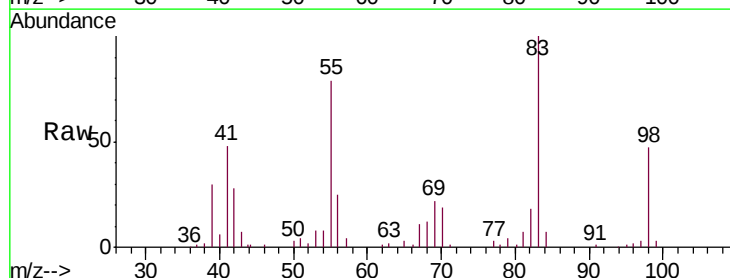
Tgt Ion: 83 Resp: 43538

Ion Ratio Lower Upper

83 100

55 82.1 64.6 96.8

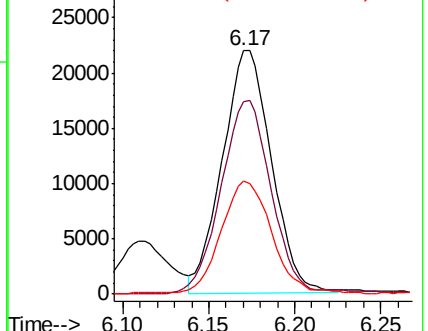
98 46.7 37.7 56.5

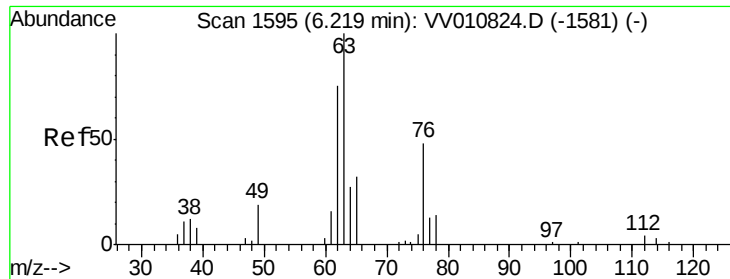


Abundance Ion 83.00 (82.70 to 83.70): VV010824.D (-1570) (-)

Ion 55.00 (54.70 to 55.70): VV010824.D (-1570) (-)

Ion 98.00 (97.70 to 98.70): VV010824.D (-1570) (-)

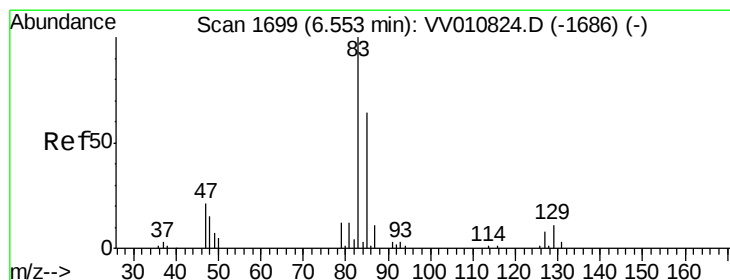
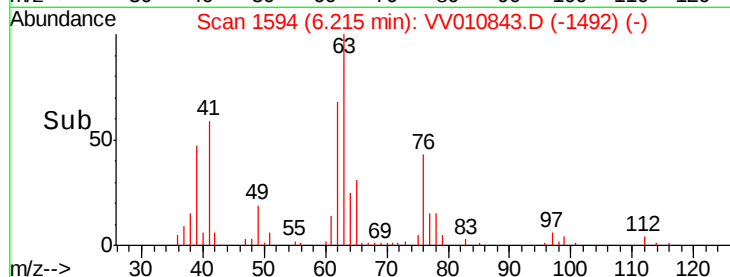
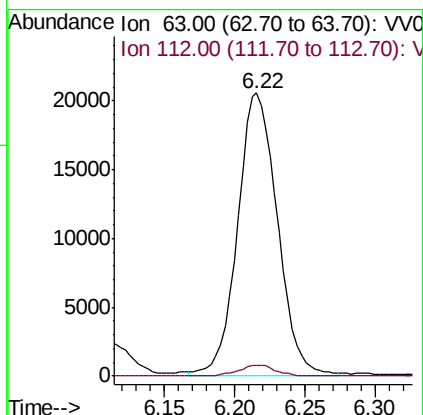
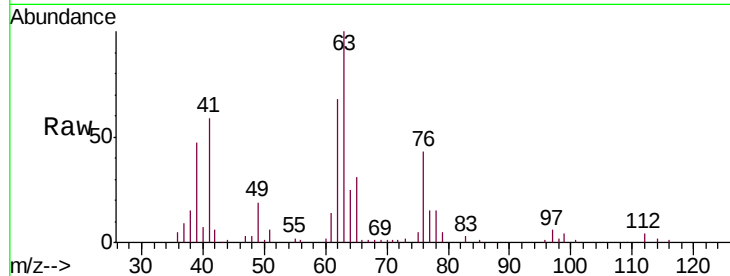




#40
 1,2-Dichloropropane
 Concen: 27.735 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV010843.D
 Acq: 11 May 2019 05:58

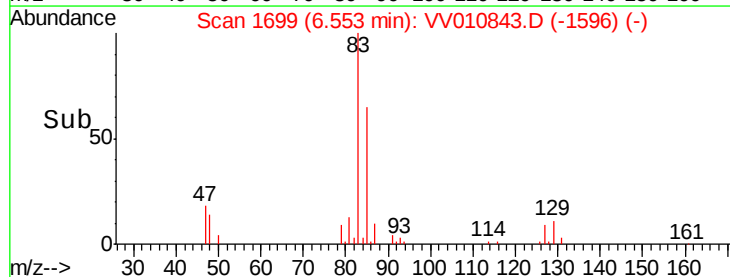
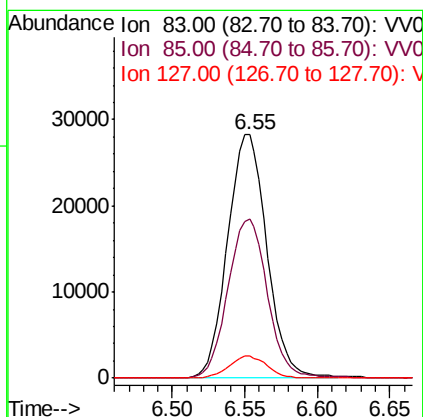
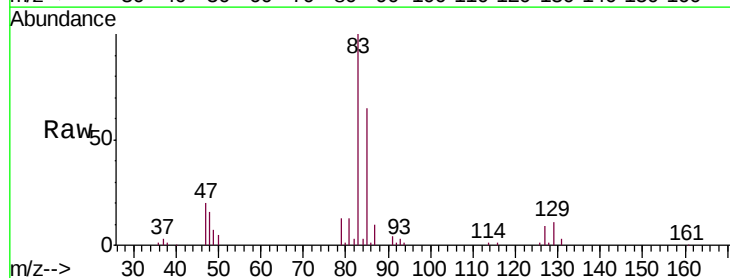
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02595

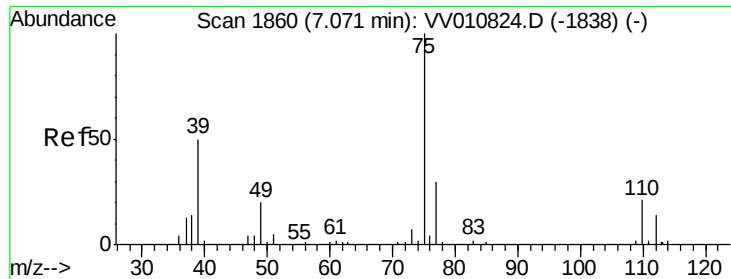
Tgt Ion: 63 Resp: 40461
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.4 5.2



#41
 Bromodichloromethane
 Concen: 26.541 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV010843.D
 Acq: 11 May 2019 05:58

Tgt Ion: 83 Resp: 53203
 Ion Ratio Lower Upper
 83 100
 85 65.1 43.5 80.7
 127 8.9 6.2 9.4



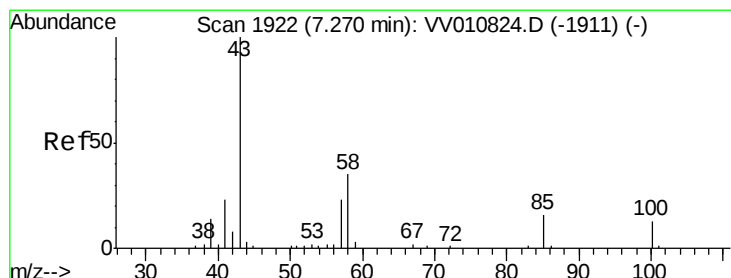
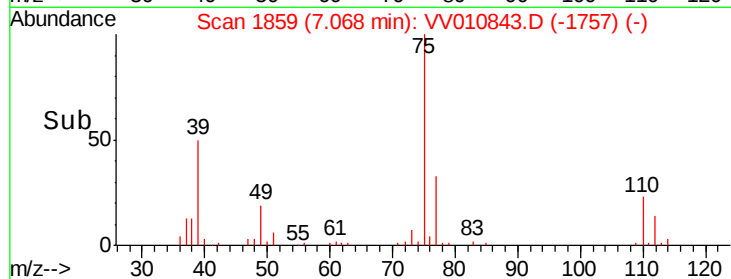
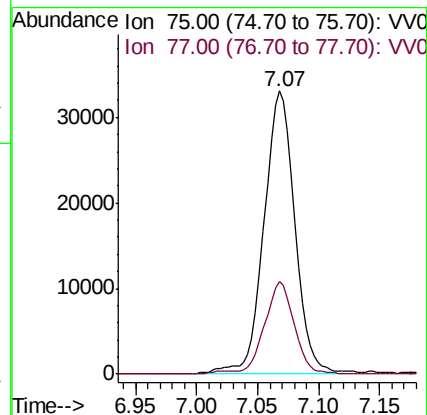
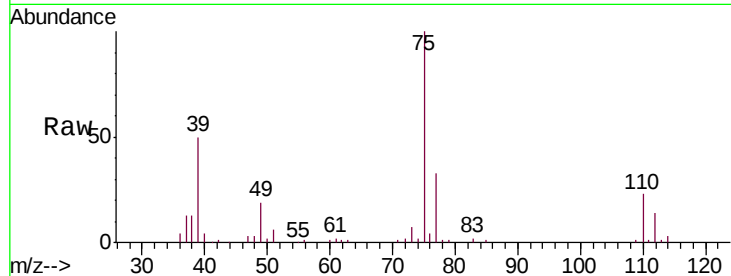


#42

cis-1,3-Dichloropropene
Concen: 25.297 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV010843.D
Acq: 11 May 2019 05:58

Instrument :
MSVOA_V
ClientSampled :
VSTD02595

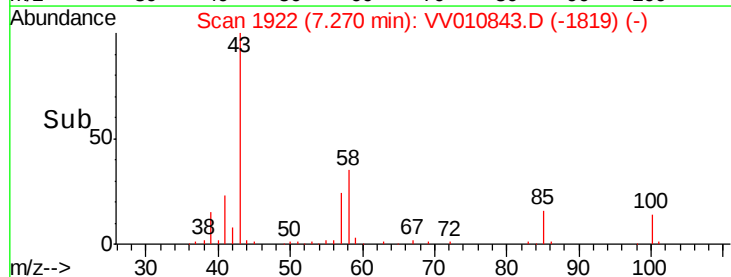
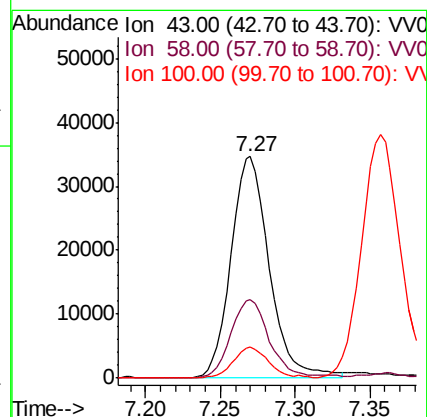
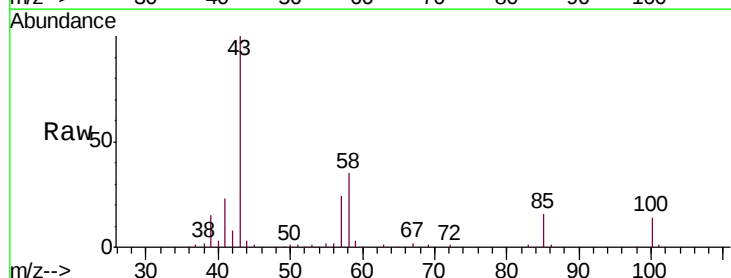
Tgt Ion: 75 Resp: 58371
Ion Ratio Lower Upper
75 100
77 32.9 22.3 41.3

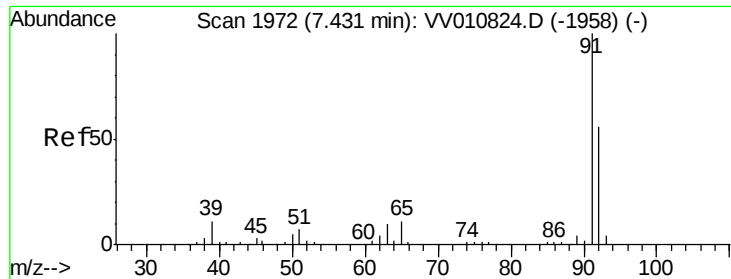


#43

4-Methyl-2-pentanone
Concen: 50.431 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV010843.D
Acq: 11 May 2019 05:58

Tgt Ion: 43 Resp: 61929
Ion Ratio Lower Upper
43 100
58 35.6 28.1 42.1
100 12.8 11.0 16.6





#44

Toluene

Concen: 24.403 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

Instrument :

MSVOA_V

ClientSampleId :

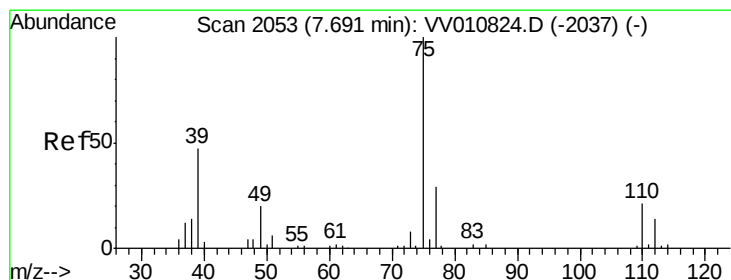
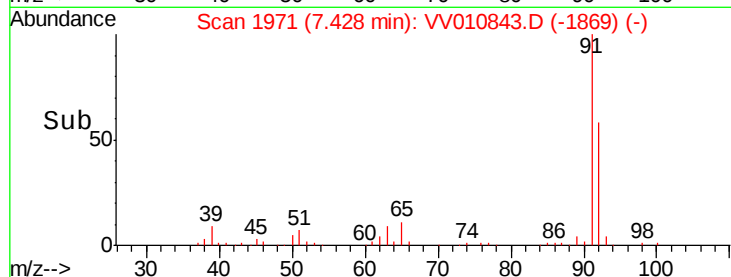
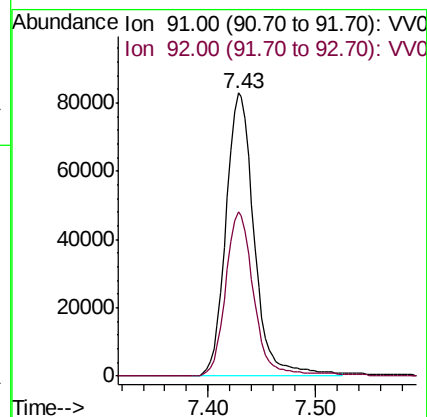
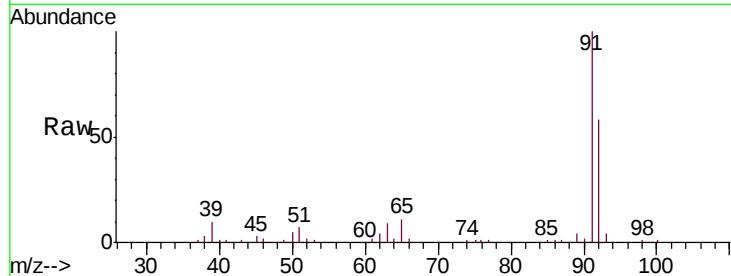
VSTD02595

Tgt Ion: 91 Resp: 151993

Ion Ratio Lower Upper

91 100

92 58.1 40.1 74.5



#45

trans-1,3-Dichloropropene

Concen: 25.191 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV010843.D

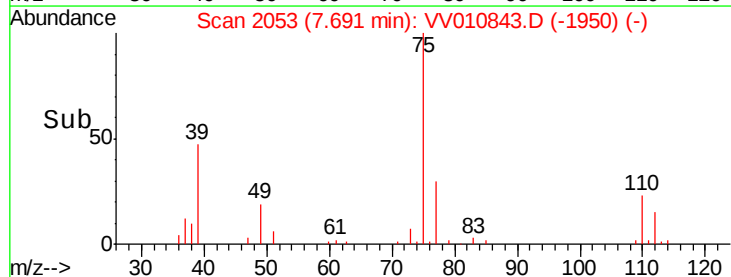
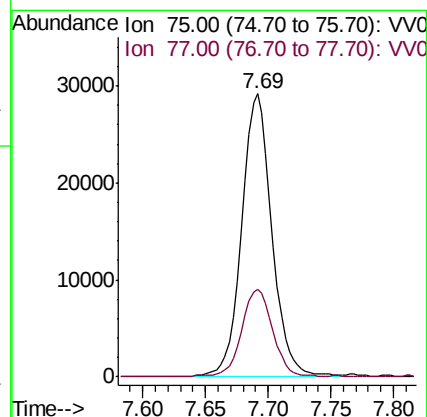
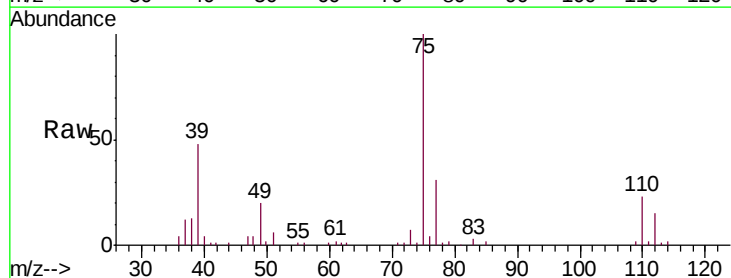
Acq: 11 May 2019 05:58

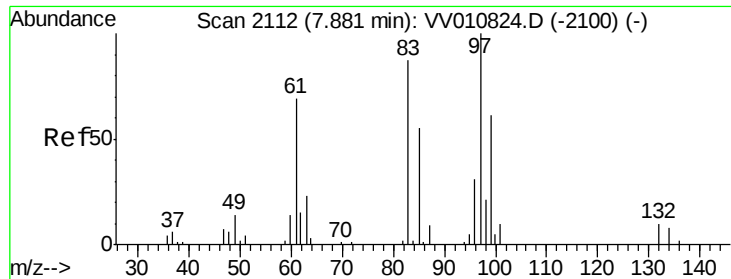
Tgt Ion: 75 Resp: 48946

Ion Ratio Lower Upper

75 100

77 30.8 22.3 41.3

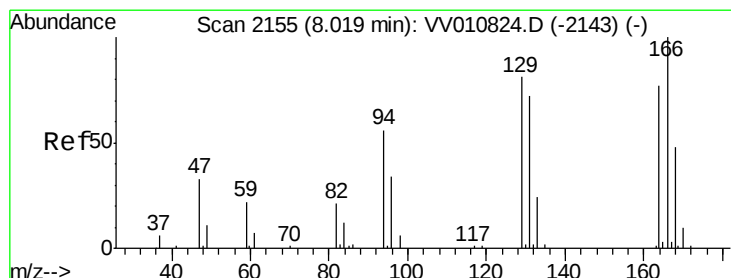
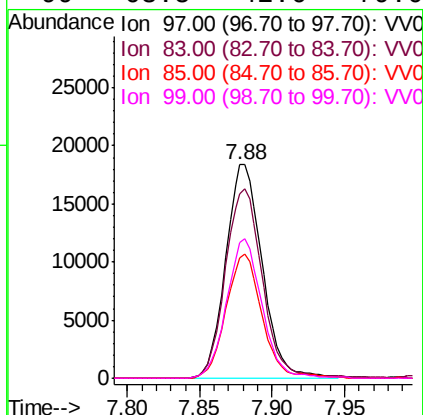
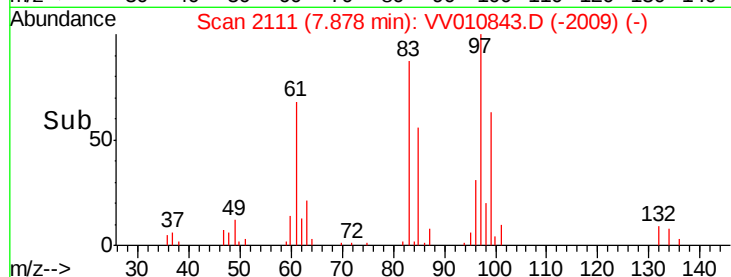
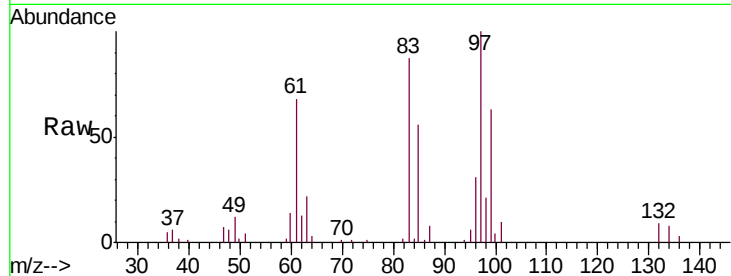




#46
 1,1,2-Trichloroethane
 Concen: 26.824 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV010843.D
 Acq: 11 May 2019 05:58

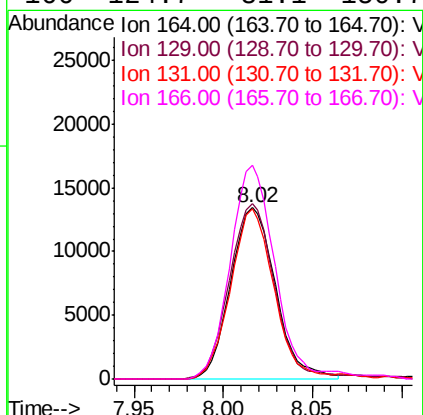
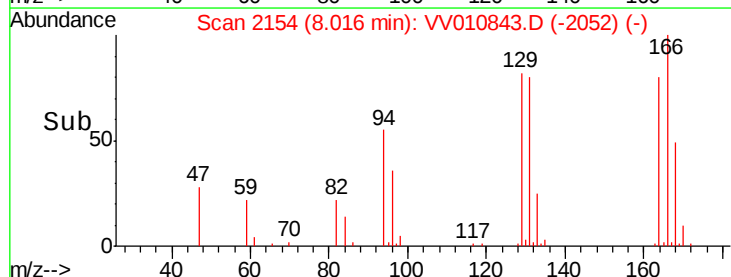
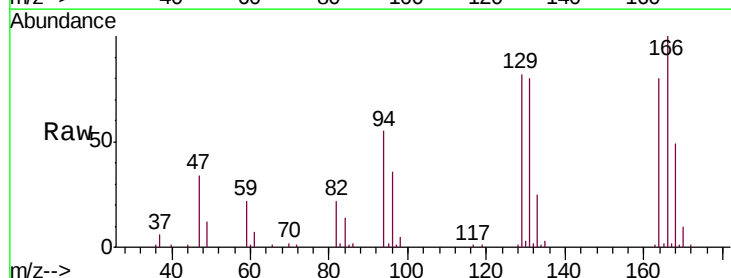
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02595

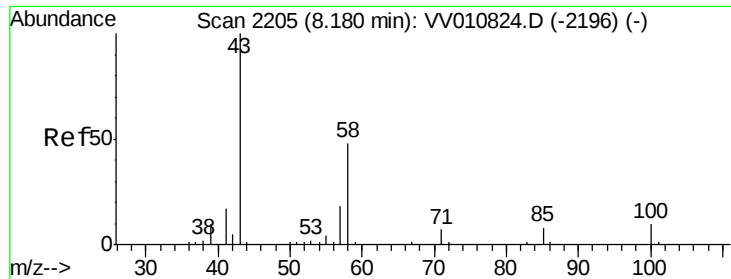
Tgt Ion:	97	Resp:	32148
Ion	Ratio	Lower	Upper
97	100		
83	86.6	62.8	116.6
85	56.1	40.2	74.6
99	63.5	42.6	79.0



#47
 Tetrachloroethene
 Concen: 21.209 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV010843.D
 Acq: 11 May 2019 05:58

Tgt Ion:	164	Resp:	23594
Ion	Ratio	Lower	Upper
164	100		
129	102.6	69.3	128.7
131	99.4	67.3	125.1
166	124.7	81.1	150.7

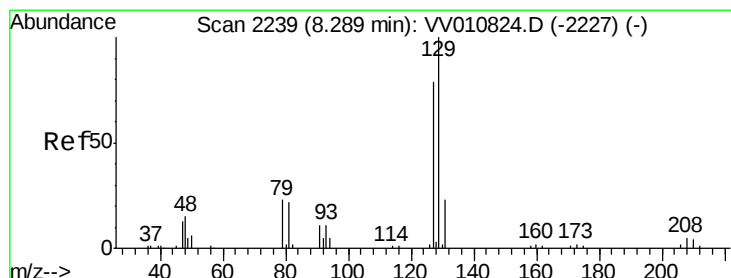
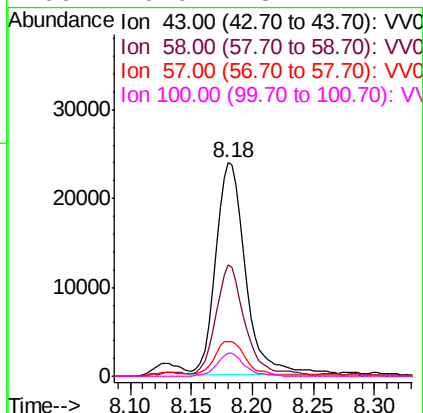
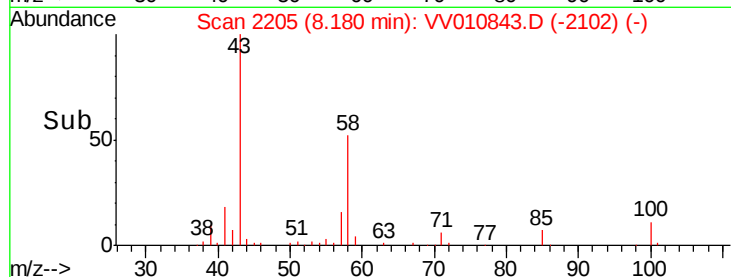
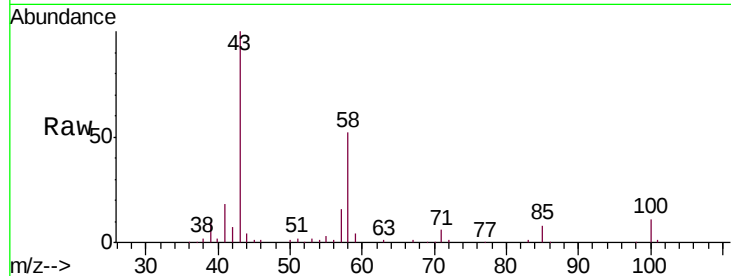




#49
2-Hexanone
Concen: 43.941 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV010843.D
Acq: 11 May 2019 05:58

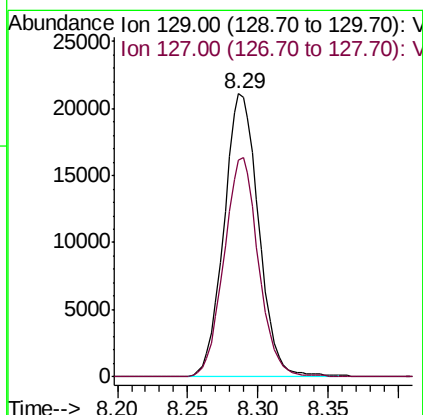
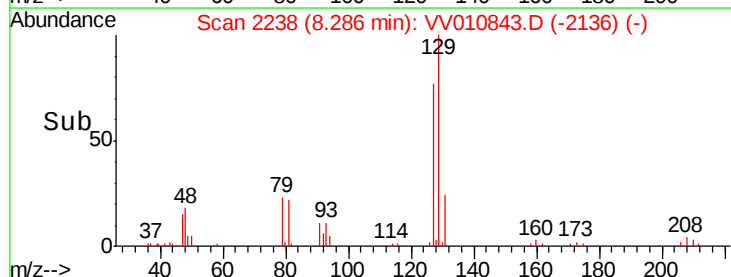
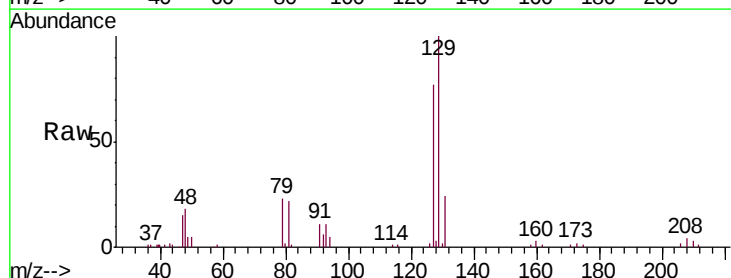
Instrument :
MSVOA_V
ClientSampleId :
VSTD02595

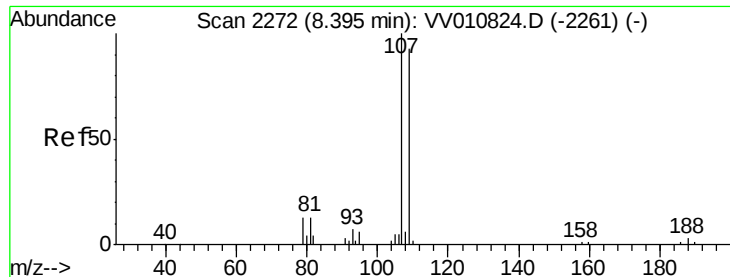
Tgt Ion: 43 Resp: 41025
Ion Ratio Lower Upper
43 100
58 48.1 39.4 59.0
57 16.6 14.2 21.4
100 10.0 8.2 12.2



#50
Dibromochloromethane
Concen: 26.285 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV010843.D
Acq: 11 May 2019 05:58

Tgt Ion: 129 Resp: 36225
Ion Ratio Lower Upper
129 100
127 76.7 54.5 101.1





#51

1,2-Dibromoethane

Concen: 26.639 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD02595

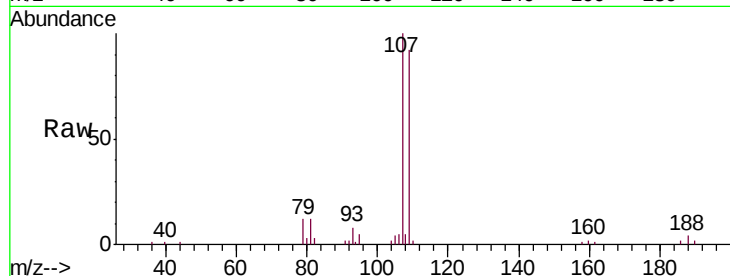
Tgt Ion:107 Resp: 30835

Ion Ratio Lower Upper

107 100

109 92.4 66.6 123.6

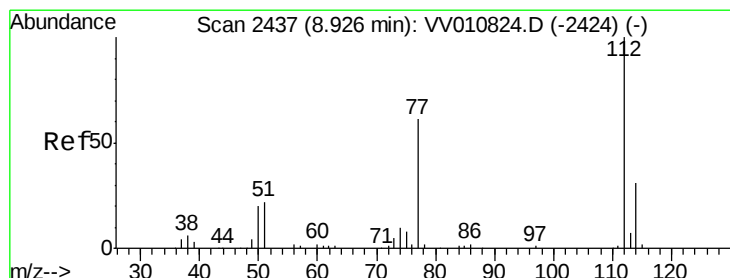
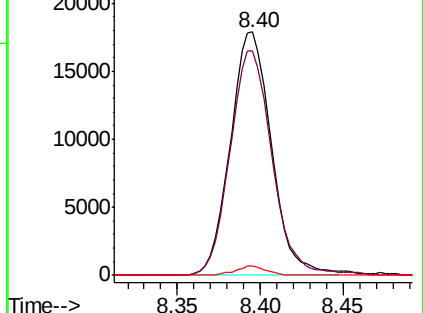
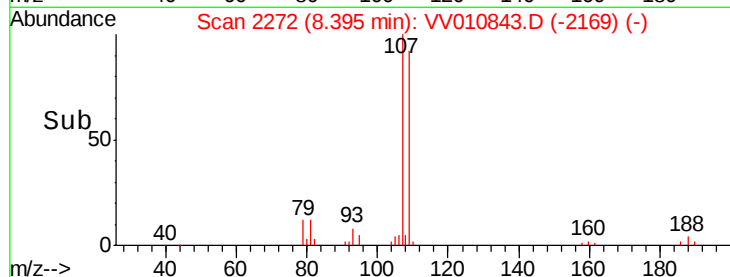
188 3.7 2.7 4.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 24.012 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

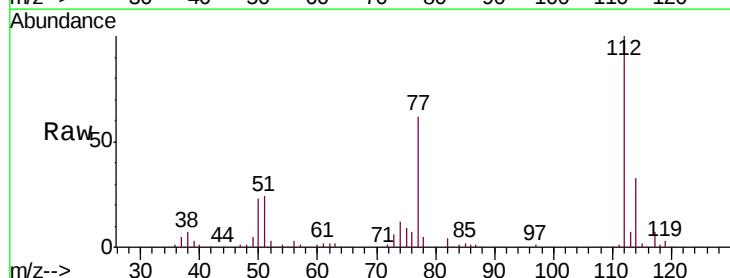
Tgt Ion:112 Resp: 97707

Ion Ratio Lower Upper

112 100

77 61.9 47.7 71.5

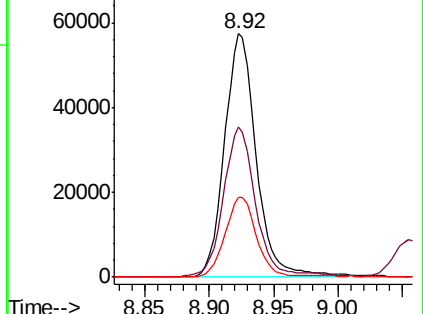
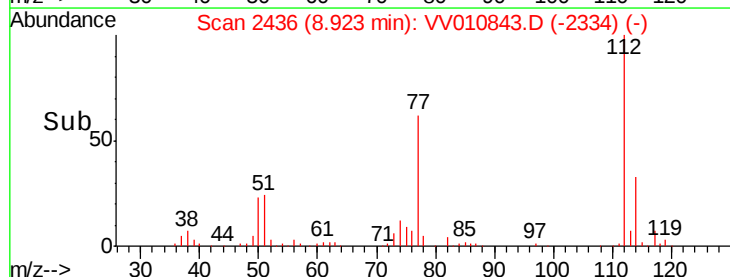
114 32.6 22.1 41.1

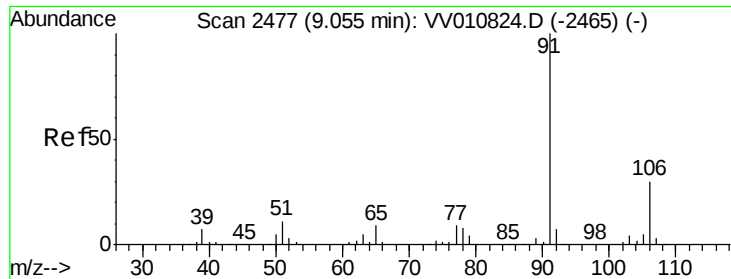


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

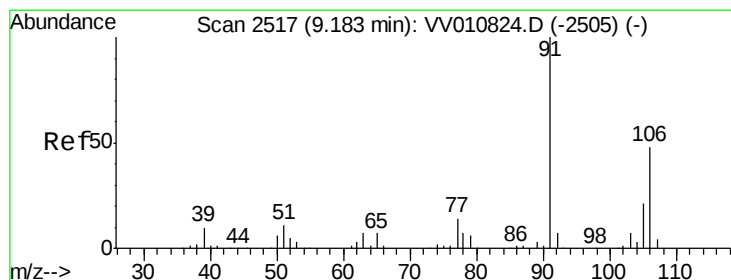
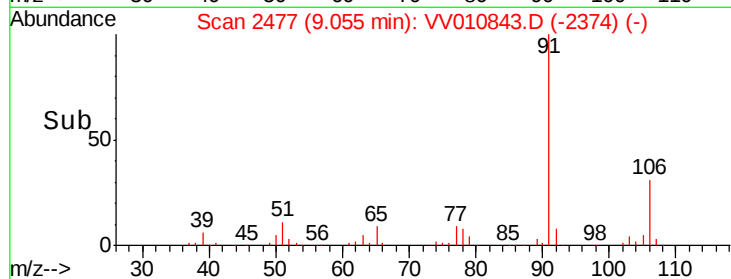
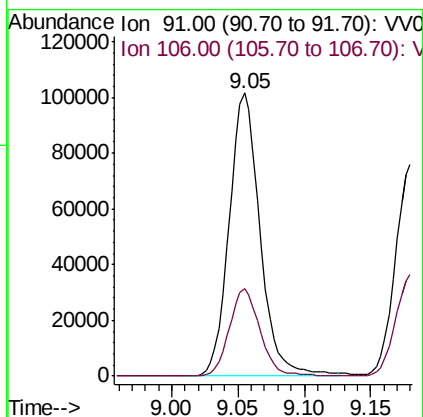
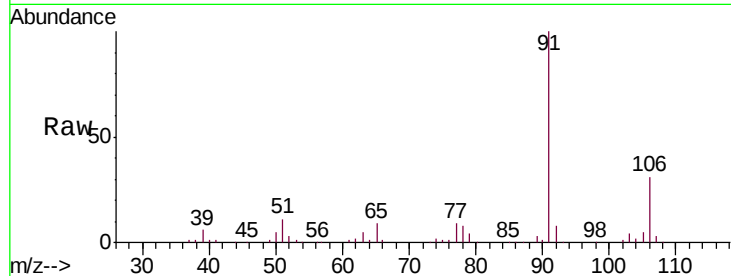




#53
Ethylbenzene
Concen: 22.793 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV010843.D
Acq: 11 May 2019 05:58

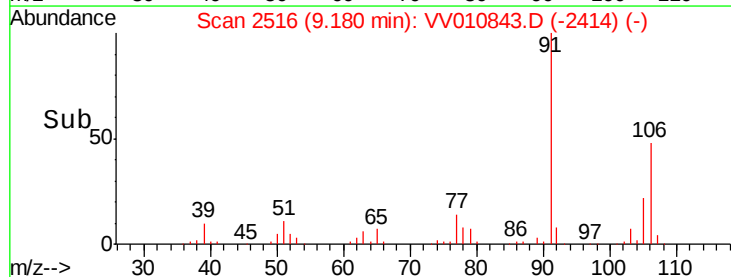
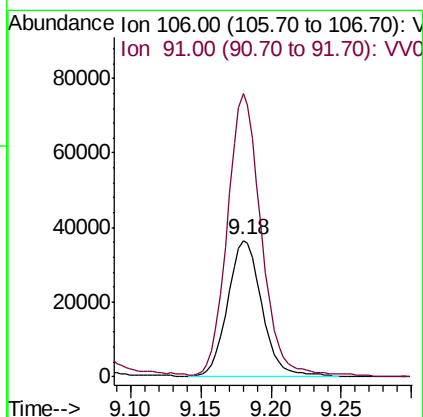
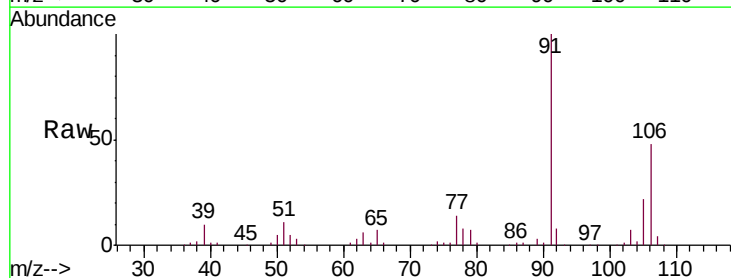
Instrument :
MSVOA_V
ClientSampleId :
VSTD02595

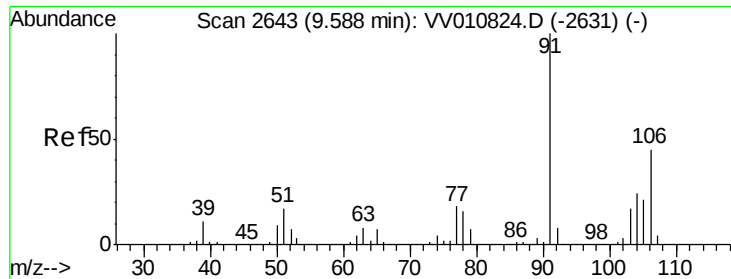
Tgt Ion: 91 Resp: 164610
Ion Ratio Lower Upper
91 100
106 30.8 21.8 40.6



#54
m,p-Xylene
Concen: 22.630 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV010843.D
Acq: 11 May 2019 05:58

Tgt Ion: 106 Resp: 61059
Ion Ratio Lower Upper
106 100
91 207.5 145.4 270.0

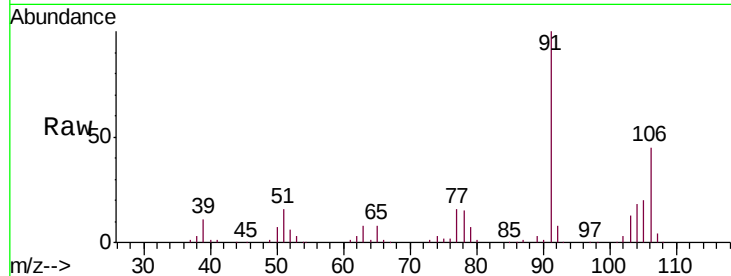




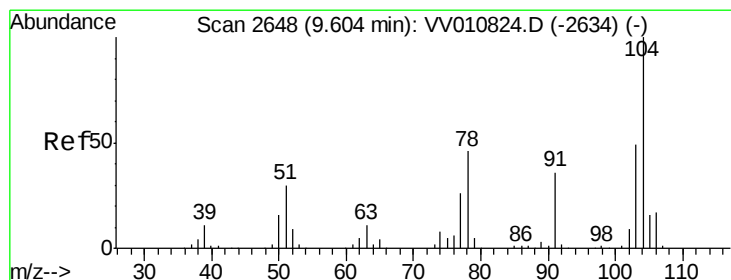
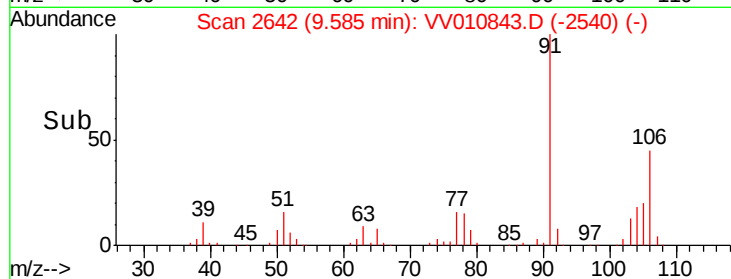
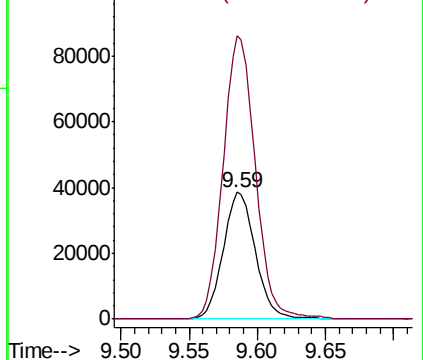
#55
o-xylene
Concen: 23.670 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV010843.D
Acq: 11 May 2019 05:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD02595

Tgt Ion:106 Resp: 63347
Ion Ratio Lower Upper
106 100
91 223.0 151.0 280.4

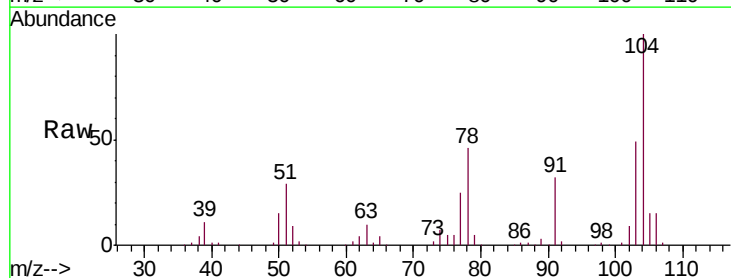


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

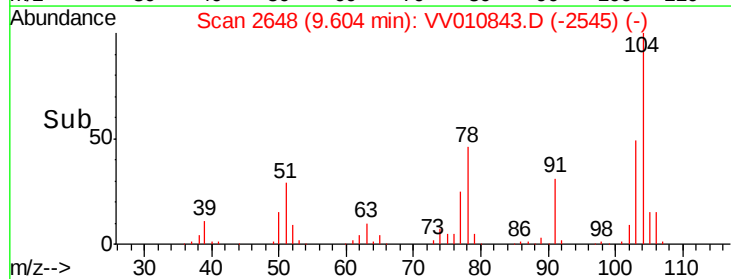
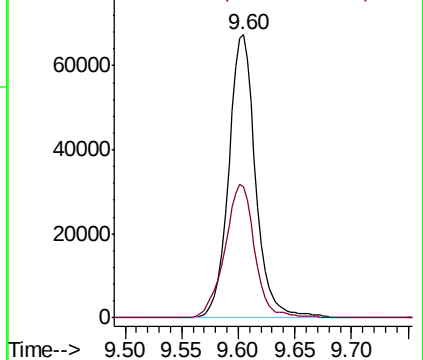


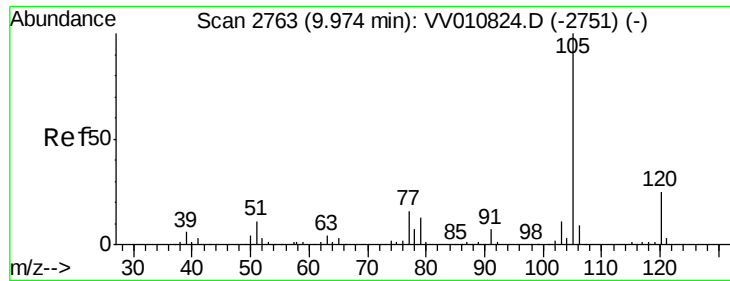
#56
Styrene
Concen: 24.630 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010843.D
Acq: 11 May 2019 05:58

Tgt Ion:104 Resp: 111490
Ion Ratio Lower Upper
104 100
78 46.5 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 21.828 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD02595

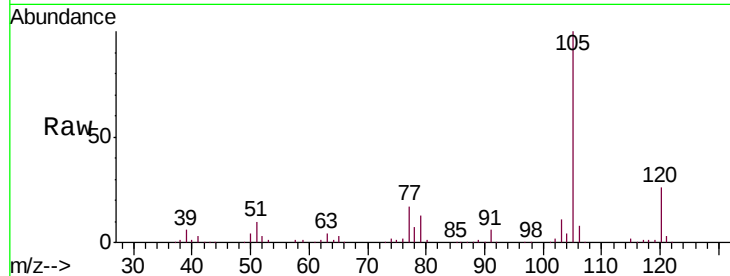
Tgt Ion: 105 Resp: 155858

Ion Ratio Lower Upper

105 100

120 25.7 20.9 31.3

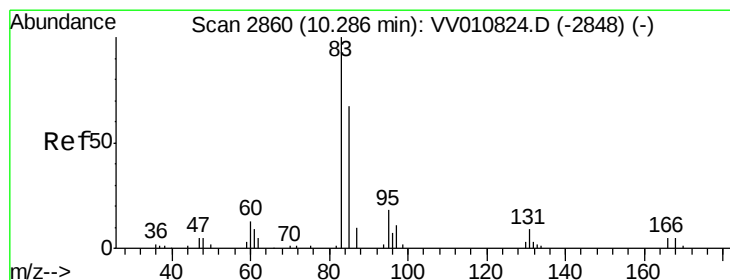
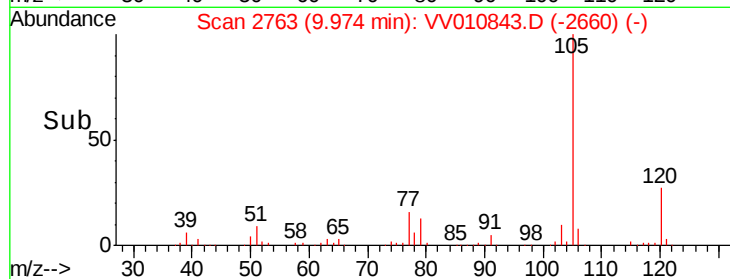
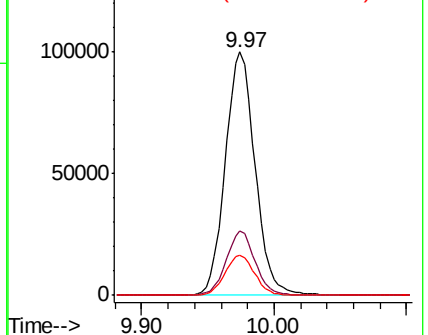
77 16.5 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.404 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

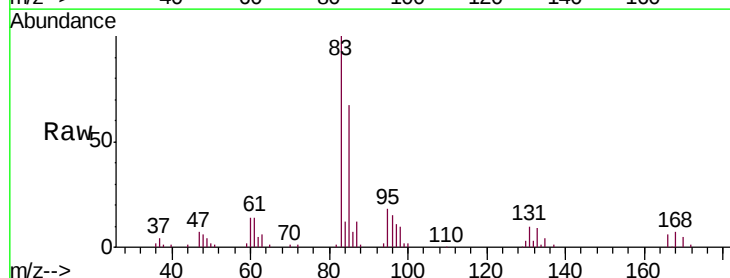
Tgt Ion: 83 Resp: 39888

Ion Ratio Lower Upper

83 100

85 67.2 44.6 82.8

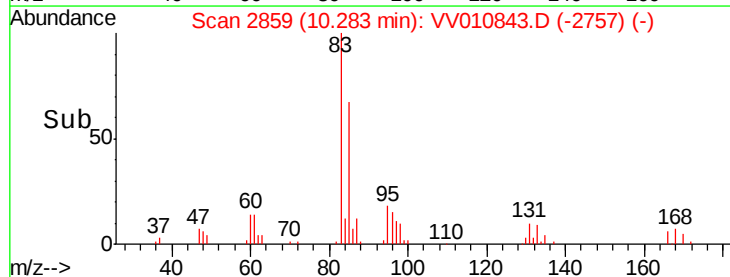
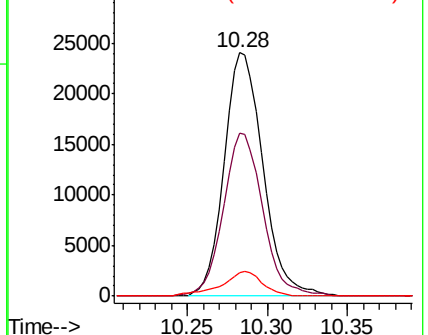
131 9.6 7.9 11.9

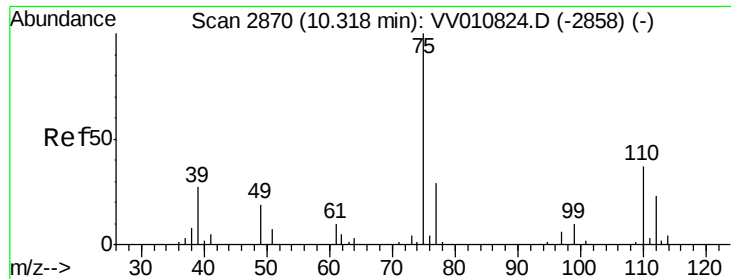


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

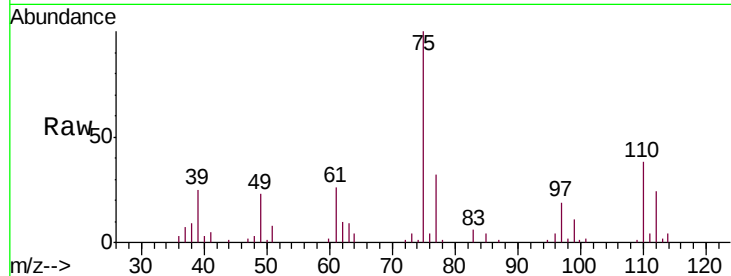




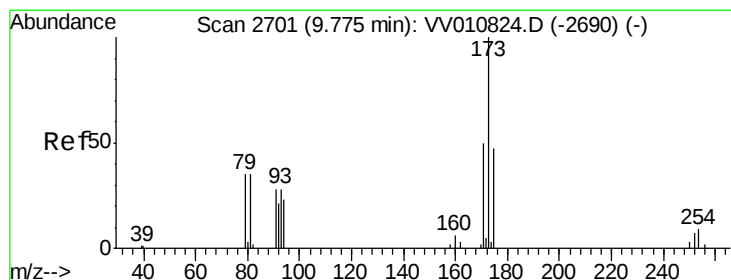
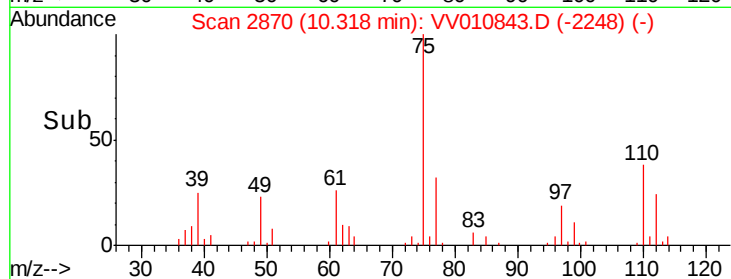
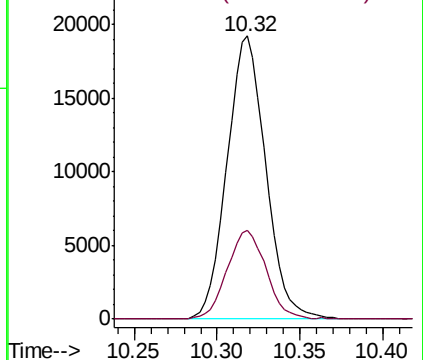
#59
 1,2,3-Trichloropropane
 Concen: 25.439 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010843.D
 Acq: 11 May 2019 05:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02595

Tgt Ion: 75 Resp: 31174
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.0 37.6

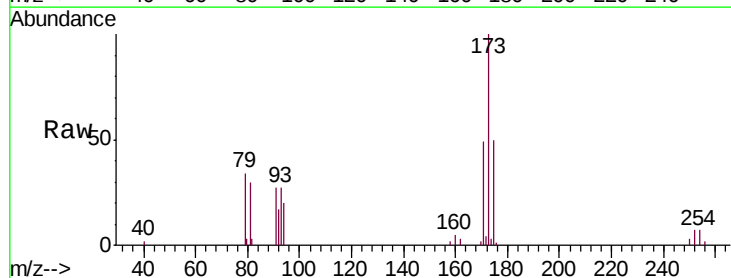


Abundance Ion 75.00 (74.70 to 75.70): VV010824.D (-2858) (-)
 Ion 77.00 (76.70 to 77.70): VV010824.D (-2858) (-)

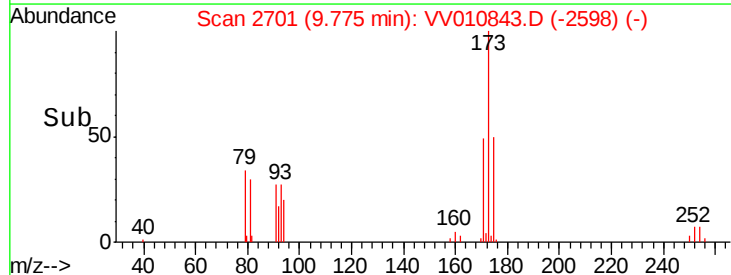
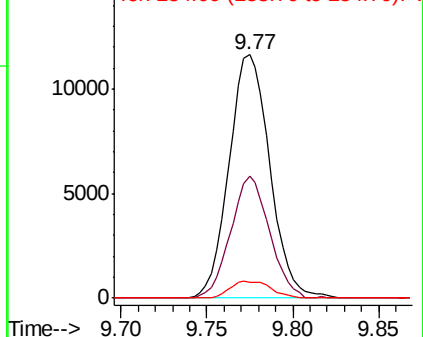


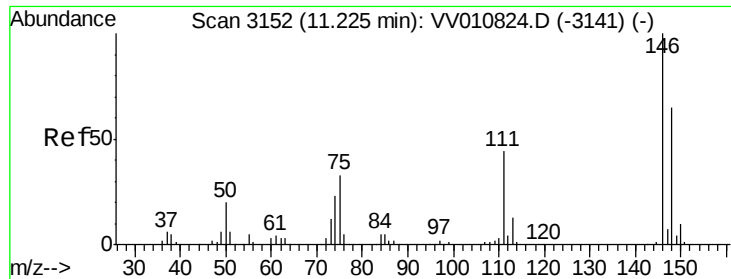
#62
 Bromoform
 Concen: 27.550 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV010843.D
 Acq: 11 May 2019 05:58

Tgt Ion: 173 Resp: 19212
 Ion Ratio Lower Upper
 173 100
 175 47.5 38.6 58.0
 254 7.0 6.5 9.7



Abundance Ion 173.00 (172.70 to 173.70): VV010824.D (-2690) (-)
 Ion 175.00 (174.70 to 175.70): VV010824.D (-2690) (-)
 Ion 254.00 (253.70 to 254.70): VV010824.D (-2690) (-)

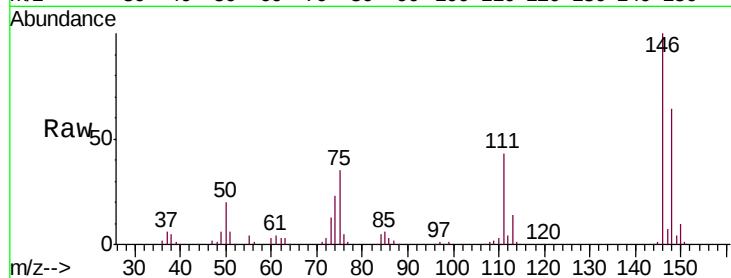




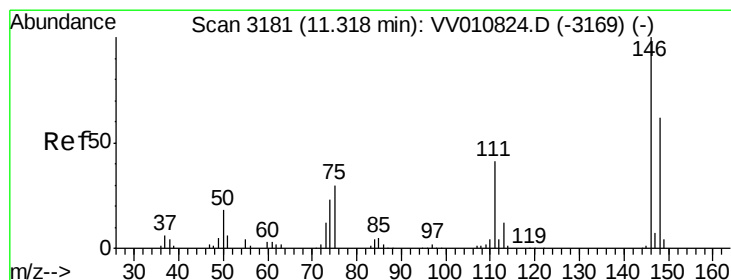
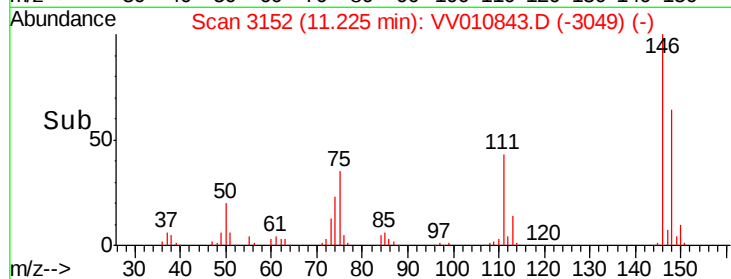
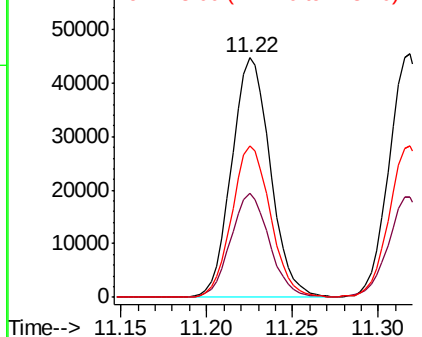
#63
 1,3-Dichlorobenzene
 Concen: 24.582 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV010843.D
 Acq: 11 May 2019 05:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02595

Tgt Ion:146 Resp: 70075
 Ion Ratio Lower Upper
 146 100
 111 43.3 30.6 56.8
 148 63.6 44.9 83.5

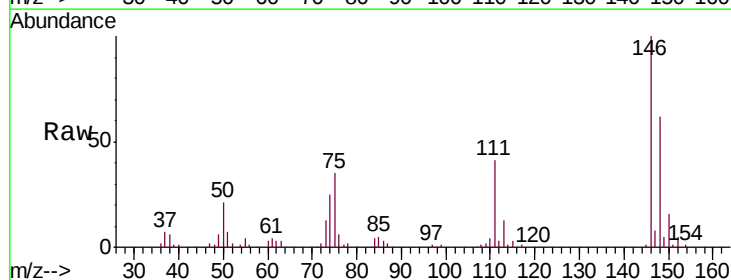


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

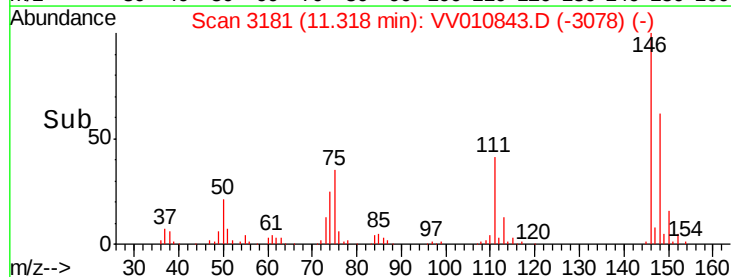
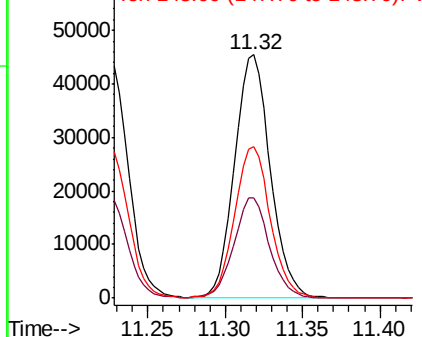


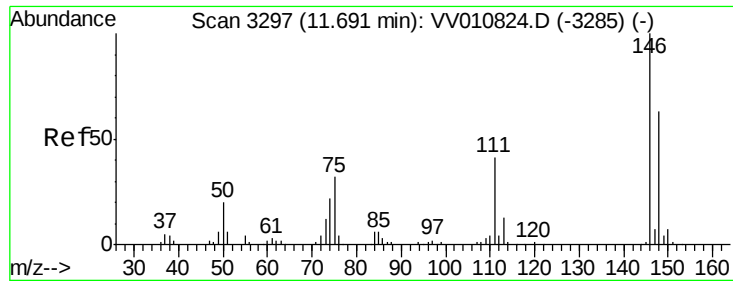
#64
 1,4-Dichlorobenzene
 Concen: 25.029 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010843.D
 Acq: 11 May 2019 05:58

Tgt Ion:146 Resp: 72881
 Ion Ratio Lower Upper
 146 100
 111 41.2 27.4 50.8
 148 62.4 45.1 83.9



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: 25.729 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD02595

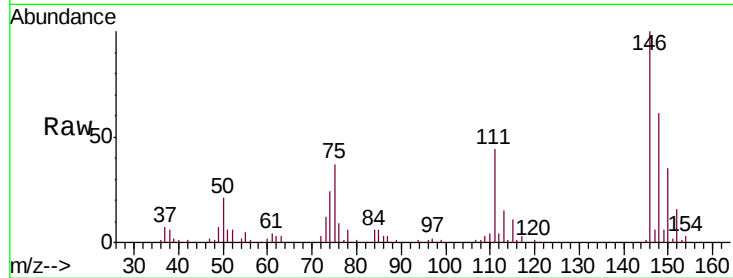
Tgt Ion:146 Resp: 71237

Ion Ratio Lower Upper

146 100

111 44.1 37.0 55.4

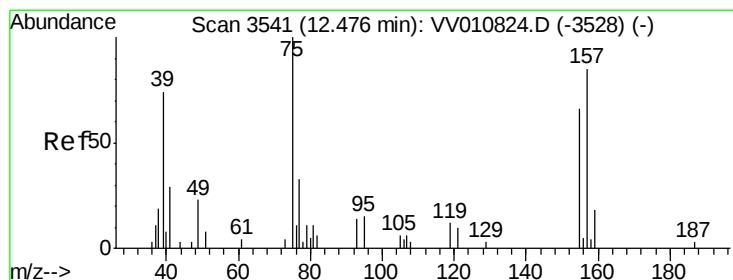
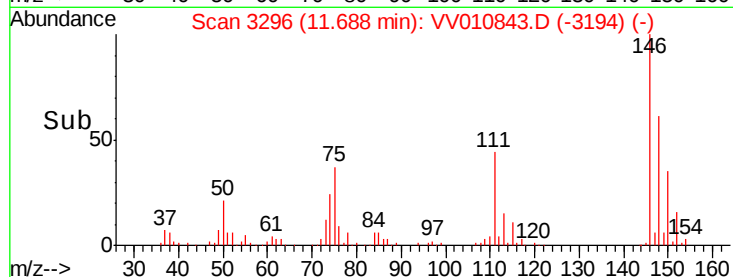
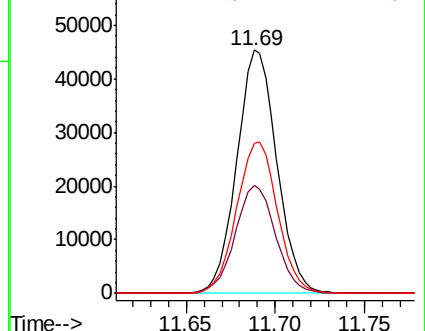
148 61.5 51.3 76.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 24.693 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

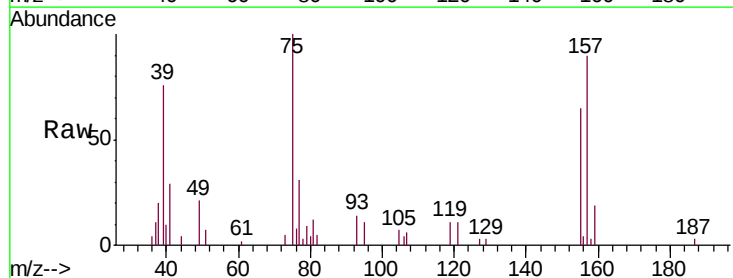
Tgt Ion: 75 Resp: 6344

Ion Ratio Lower Upper

75 100

157 89.7 76.9 115.3

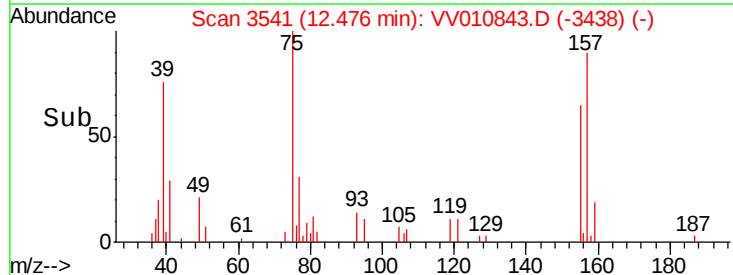
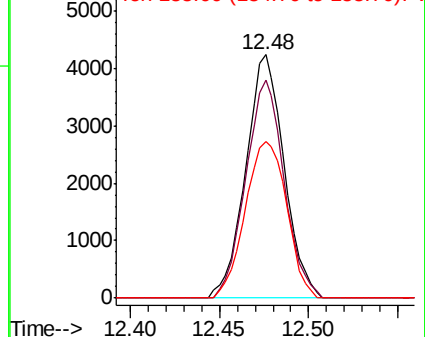
155 64.6 57.9 86.9

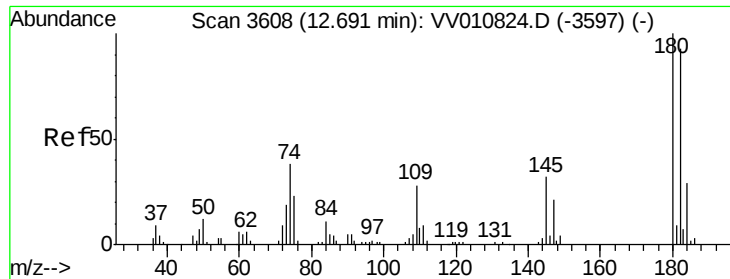


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

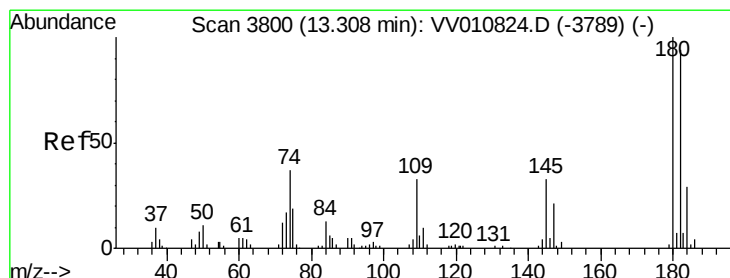
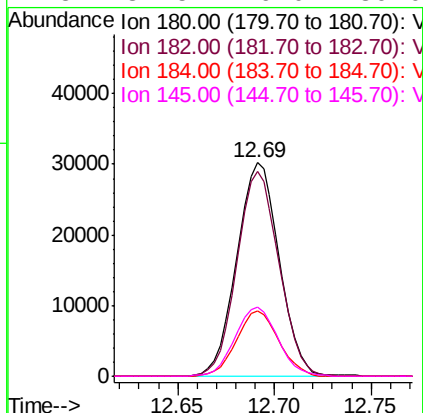
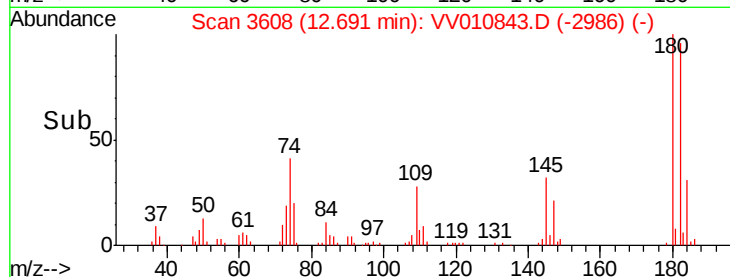
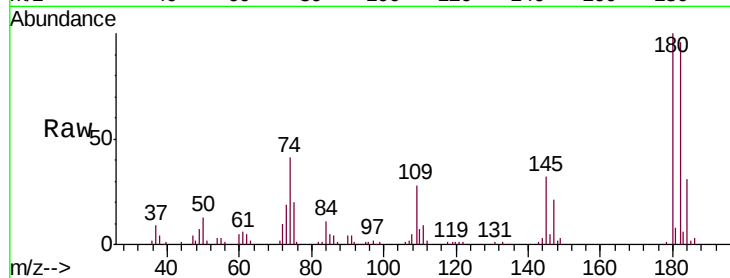




#67
 1,3,5-Trichlorobenzene
 Concen: 22.443 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010843.D
 Acq: 11 May 2019 05:58

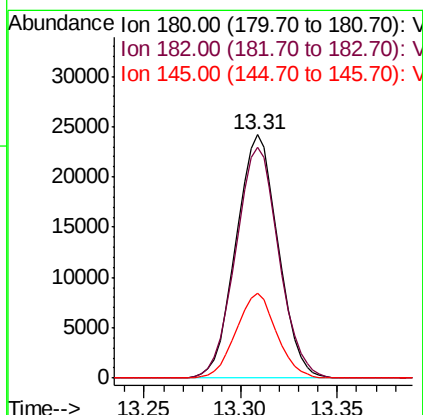
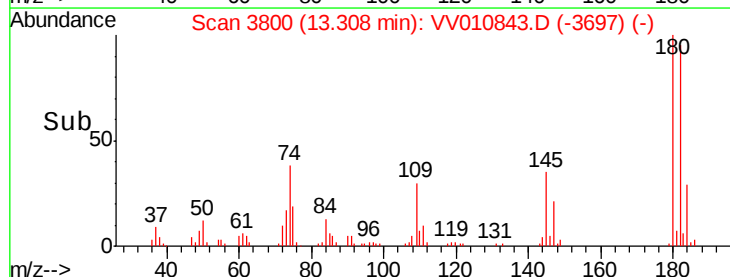
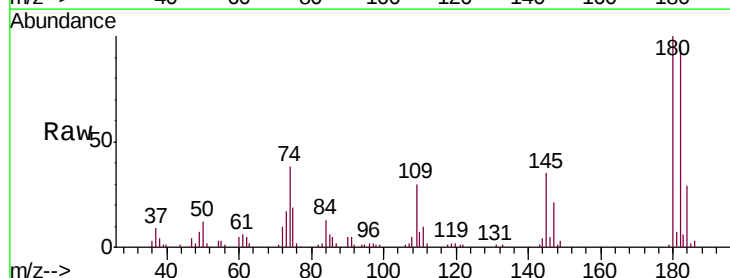
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02595

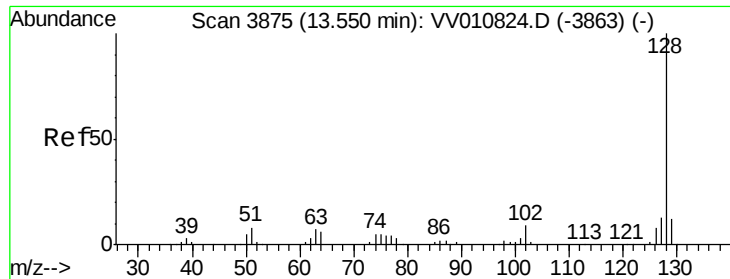
Tgt Ion:180 Resp: 46085
 Ion Ratio Lower Upper
 180 100
 182 94.8 74.7 112.1
 184 30.3 23.7 35.5
 145 32.5 26.0 39.0



#68
 1,2,4-trichlorobenzene
 Concen: 23.062 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010843.D
 Acq: 11 May 2019 05:58

Tgt Ion:180 Resp: 36642
 Ion Ratio Lower Upper
 180 100
 182 97.2 77.1 115.7
 145 33.5 28.3 42.5





#69

Naphthalene

Concen: 23.672 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD02595

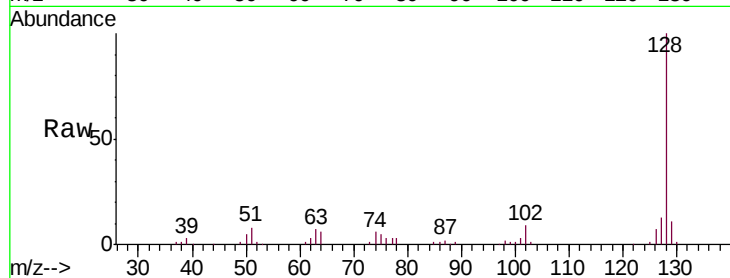
Tgt Ion:128 Resp: 80505

Ion Ratio Lower Upper

128 100

129 10.9 8.3 12.5

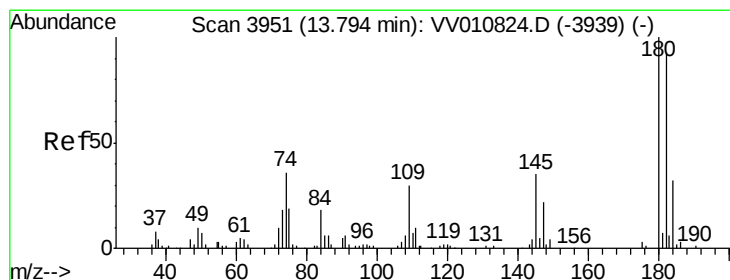
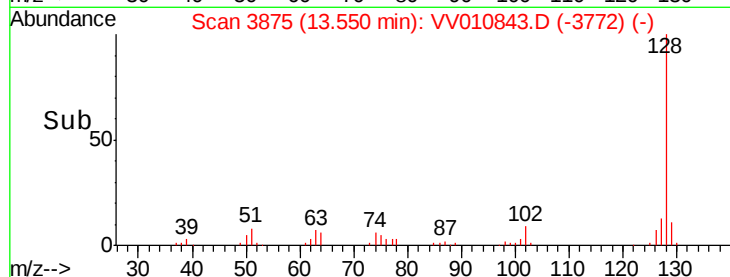
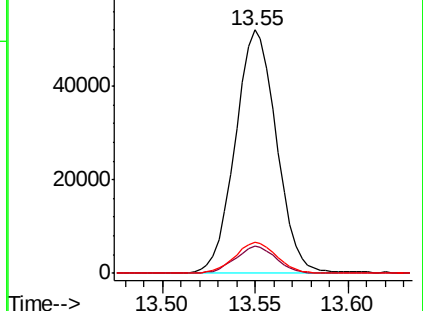
127 13.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.540 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV010843.D

Acq: 11 May 2019 05:58

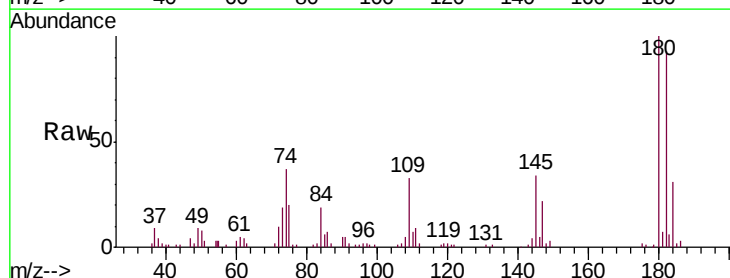
Tgt Ion:180 Resp: 36574

Ion Ratio Lower Upper

180 100

182 93.7 74.3 111.5

145 36.0 28.5 42.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

