

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050520\
 Data File : VV015896.D
 Acq On : 05 May 2020 12:11
 Operator : SY/MD
 Sample : VSTD01033
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Quant Time: May 05 17:46:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 05 17:39:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	161851	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	155677	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	79858	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	100879	11.52	ug/L	0.00
7) Chloroethane-d5	1.57	69	88579	10.73	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	200084	10.62	ug/L	0.00
20) 2-Butanone-d5	3.95	46	273510	101.77	ug/L	0.00
24) Chloroform-d	4.37	84	204451	10.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	115743	10.38	ug/L	0.00
32) Benzene-d6	5.07	84	406525	10.88	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	123448	10.46	ug/L	0.00
41) Toluene-d8	7.33	98	386725	10.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	51098	10.98	ug/L	0.00
46) 2-Hexanone-d5	8.11	63	226493	103.20	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	89225	10.20	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	135921	10.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	124762	9.125	ug/L 100
3) Chloromethane	1.24	50	123042	10.143	ug/L 100
5) Vinyl chloride	1.32	62	119482	9.386	ug/L 99
6) Bromomethane	1.53	94	66263	11.464	ug/L 99
8) Chloroethane	1.59	64	71315	8.803	ug/L 96
9) Trichlorofluoromethane	1.76	101	162085	9.114	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	92212	9.228	ug/L 99
12) 1,1-Dichloroethene	2.13	96	86155	9.282	ug/L 97
13) Acetone	2.25	43	166481	90.627	ug/L 71
14) Carbon disulfide	2.30	76	297356	10.875	ug/L 99
15) Methyl Acetate	2.46	43	41443	9.559	ug/L 96
16) Methylene chloride	2.52	84	101435	8.750	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	234084	9.024	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	99552	9.492	ug/L 99
19) 1,1-Dichloroethane	3.21	63	188201	9.215	ug/L 99
21) 2-Butanone	4.03	43	266450	93.649	ug/L 98
22) cis-1,2-Dichloroethene	3.94	96	103968	9.096	ug/L 99
23) Bromochloromethane	4.27	128	43347	9.207	ug/L 98
25) Chloroform	4.40	83	205340	9.385	ug/L 98
27) 1,2-Dichloroethane	5.16	62	128583	9.054	ug/L 99
29) 1,1,1-Trichloroethane	4.63	97	176749	9.170	ug/L 99
30) Cyclohexane	4.70	56	181585	9.741	ug/L 99
31) Carbon tetrachloride	4.85	117	150088	9.347	ug/L 99
33) Benzene	5.12	78	409246	9.371	ug/L 100
34) Trichloroethene	5.94	95	109640	9.083	ug/L 96
35) Methylcyclohexane	6.15	83	179886	9.647	ug/L 98
37) 1,2-Dichloropropane	6.20	63	102025	9.188	ug/L 100
38) Bromodichloromethane	6.53	83	128881	9.162	ug/L 99
39) cis-1,3-Dichloropropene	7.05	75	150909	9.715	ug/L 97
40) 4-Methyl-2-pentanone	7.25	43	656927	91.212	ug/L 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050520\
 Data File : VV015896.D
 Acq On : 05 May 2020 12:11
 Operator : SY/MD
 Sample : VSTD01033
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Quant Time: May 05 17:46:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 05 17:39:09 2020
 Response via : Initial Calibration

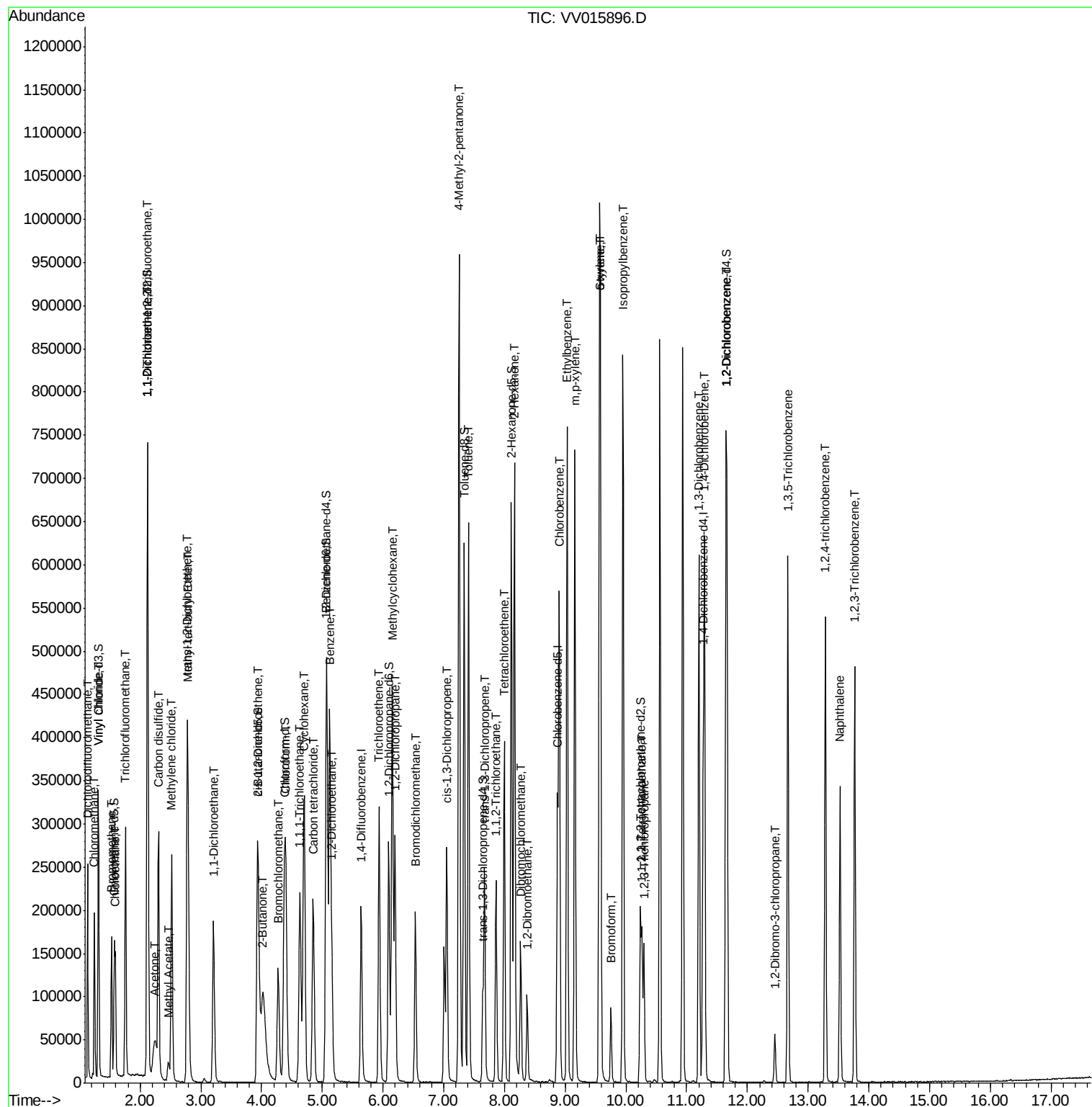
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	438717	9.402	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	128870	9.913	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	67384	8.965	ug/L	98
47) Tetrachloroethene	8.00	164	82081	9.447	ug/L	98
48) 2-Hexanone	8.16	43	478981	93.696	ug/L	100
49) Dibromochloromethane	8.27	129	77295	9.786	ug/L	96
50) 1,2-Dibromoethane	8.37	107	64599	9.286	ug/L	95
51) Chlorobenzene	8.90	112	274268	8.975	ug/L	98
52) Ethylbenzene	9.03	91	501524	9.303	ug/L	98
53) m,p-xylene	9.16	106	188667	9.529	ug/L	99
54) o-xylene	9.56	106	180697	9.475	ug/L	99
55) Styrene	9.58	104	308893	9.569	ug/L	100
56) Isopropylbenzene	9.95	105	501488	9.385	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	78581	8.941	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	61612	8.767	ug/L	100
61) Bromoform	9.75	173	36223	10.769	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	222425	8.989	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	220448	8.841	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	200408	8.968	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	13991	9.615	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	164933	8.982	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	143197	8.621	ug/L	99
69) Naphthalene	13.53	128	251851	8.448	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	128226	8.694	ug/L	98

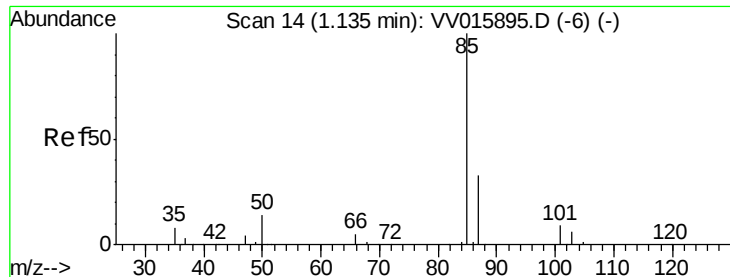
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050520\
Data File : VV015896.D
Acq On : 05 May 2020 12:11
Operator : SY/MD
Sample : VSTD01033
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Quant Time: May 05 17:46:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 05 17:39:09 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 9.125 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

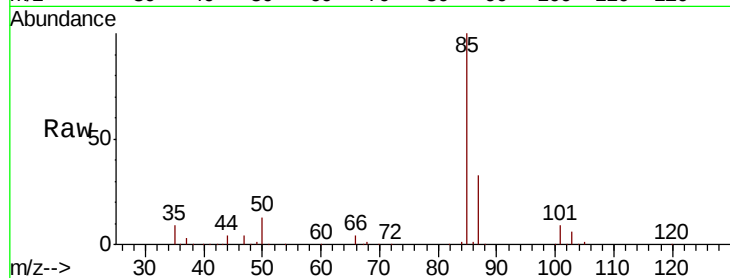
VSTD01033

Tot Ion: 85 Resp: 124762

Ion Ratio Lower Upper

85 100

87 32.8 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV015896.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV015896.D (-1) (-)

1.14

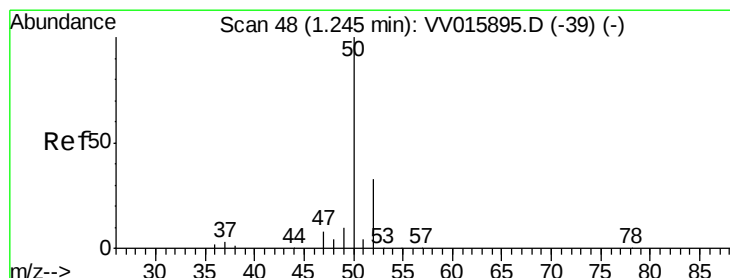
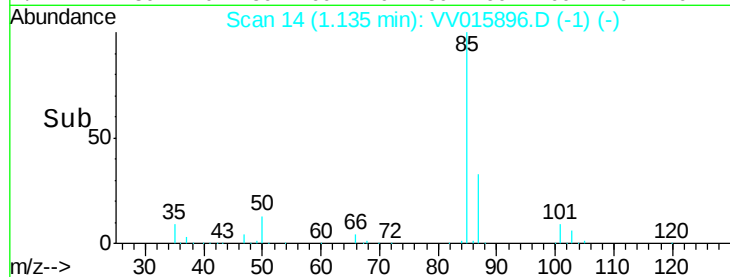
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 10.143 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015896.D

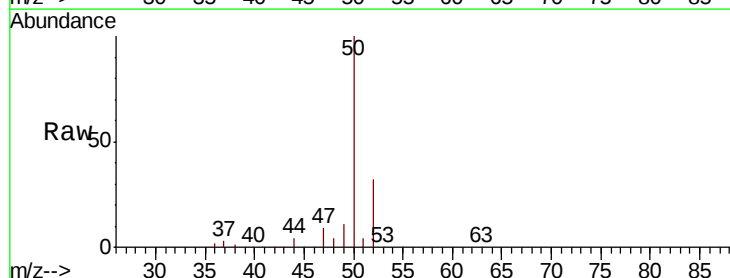
Acq: 05 May 2020 12:11

Tgt Ion: 50 Resp: 123042

Ion Ratio Lower Upper

50 100

52 32.4 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV015896.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV015896.D (-1) (-)

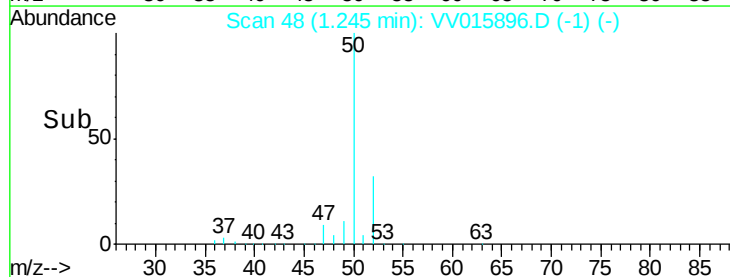
1.24

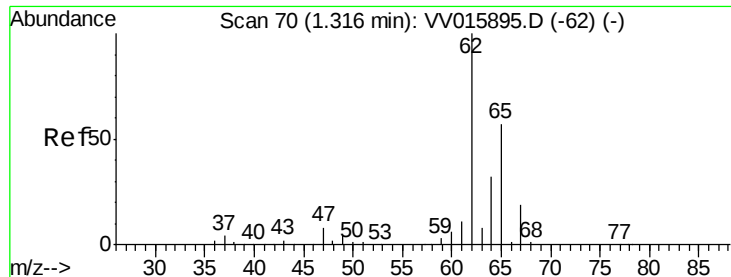
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 9.386 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

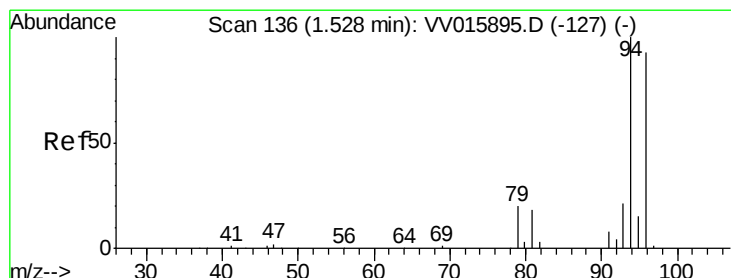
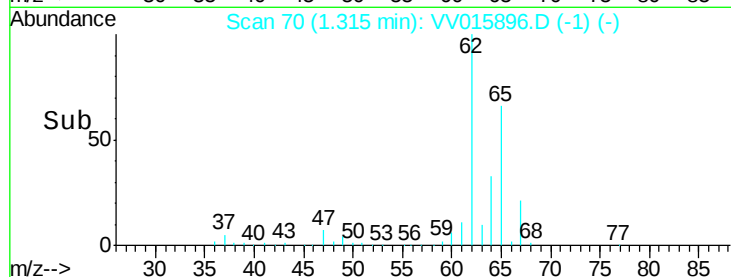
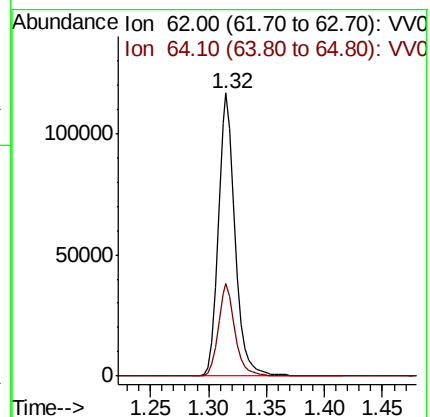
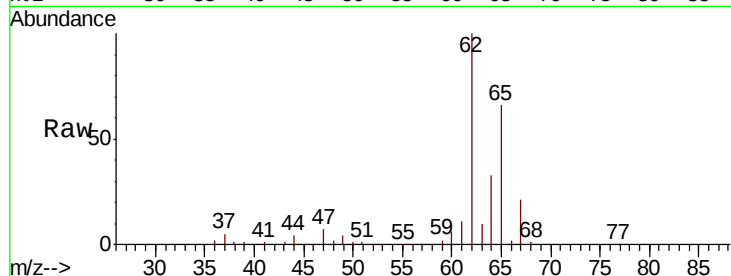
VSTD01033

Tot Ion: 62 Resp: 119482

Ion Ratio Lower Upper

62 100

64 32.5 22.4 41.6



#6

Bromomethane

Concen: 11.464 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015896.D

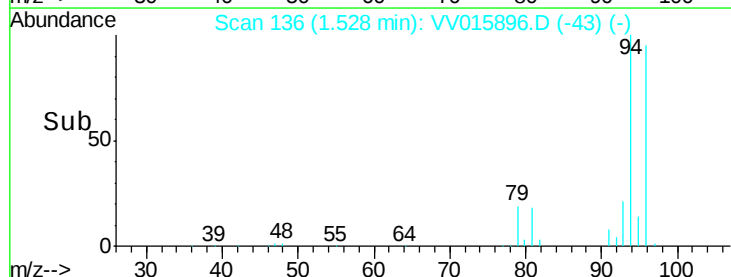
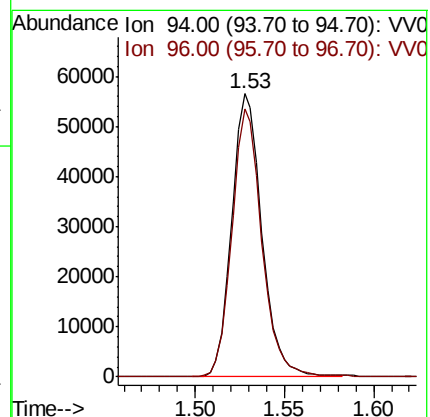
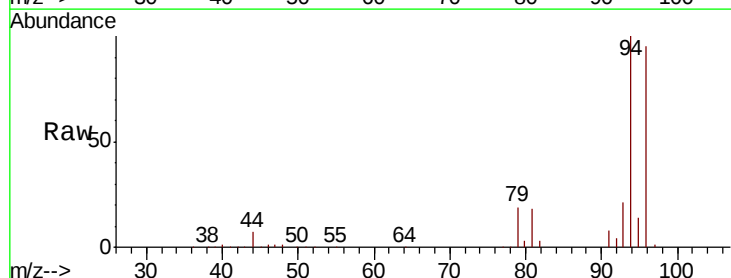
Acq: 05 May 2020 12:11

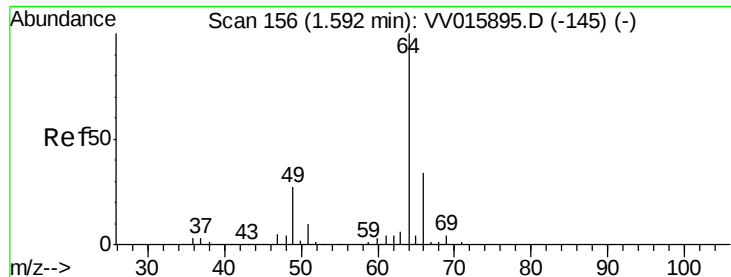
Tgt Ion: 94 Resp: 66263

Ion Ratio Lower Upper

94 100

96 94.7 65.4 121.4

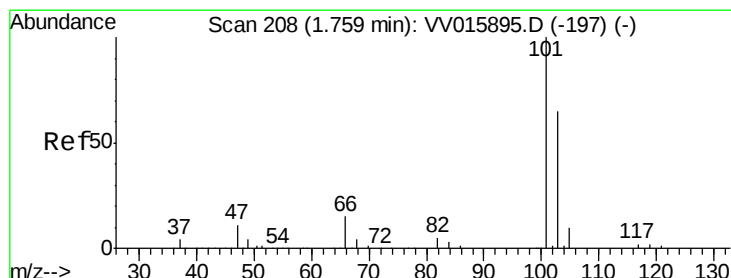
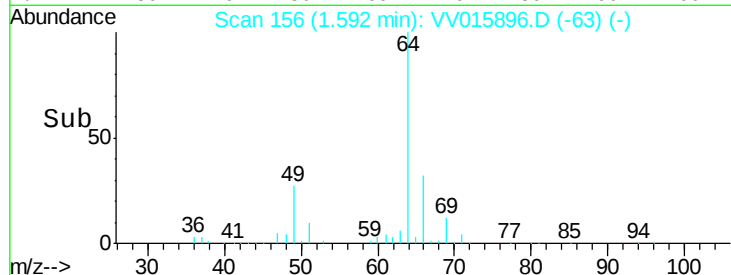
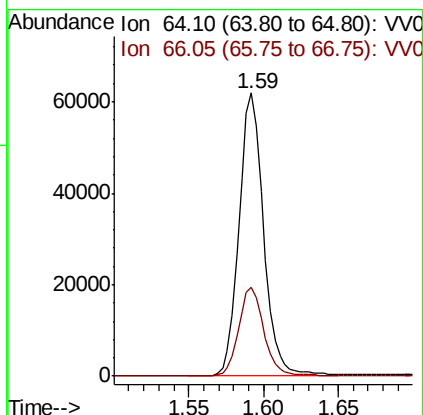
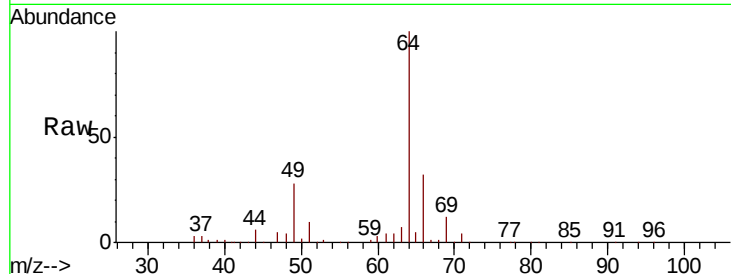




#8
Chloroethane
Concen: 8.803 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV015896.D
Acq: 05 May 2020 12:11

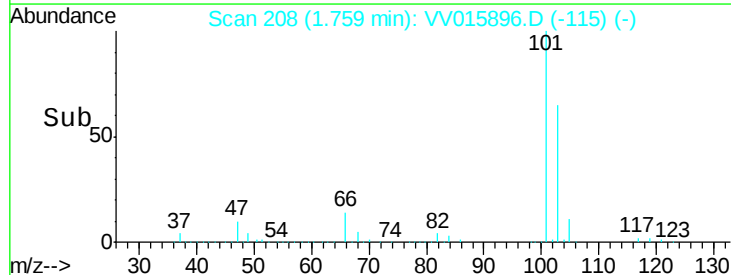
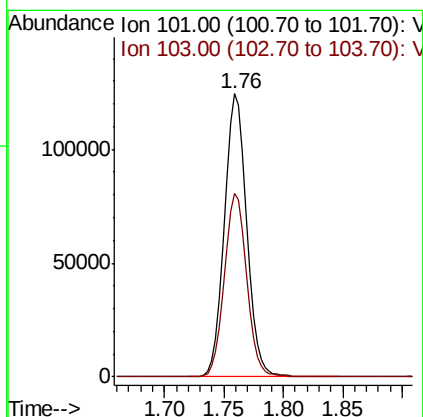
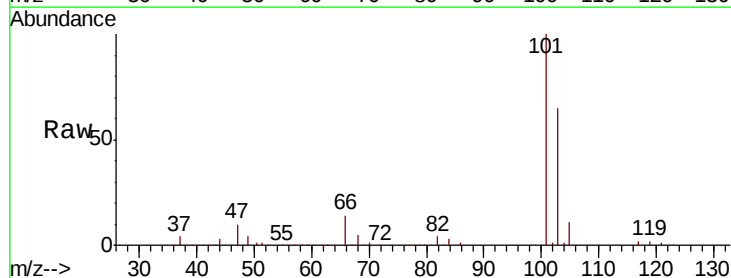
Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

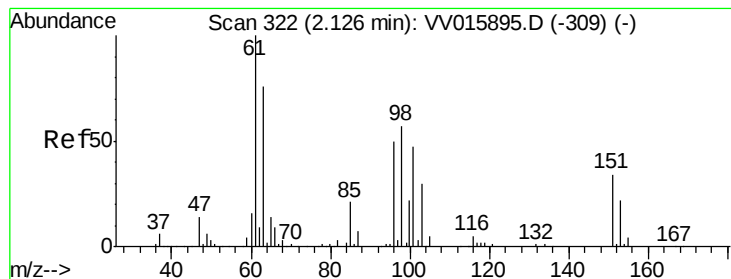
Tot Ion: 64 Resp: 71315
Ion Ratio Lower Upper
64 100
66 31.5 23.6 43.8



#9
Trichlorofluoromethane
Concen: 9.114 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV015896.D
Acq: 05 May 2020 12:11

Tgt Ion:101 Resp: 162085
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.2





#10

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

Concen: 9.228 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

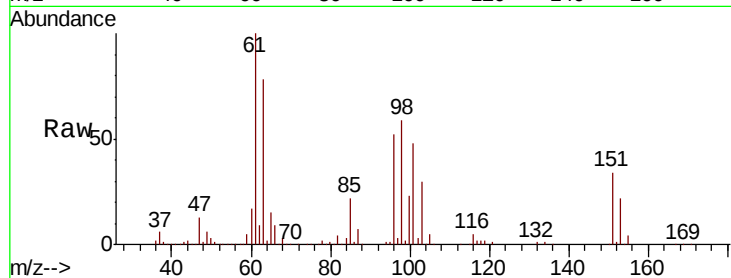
Tot Ion:101 Resp: 92212

Ion Ratio Lower Upper

101 100

85 45.2 35.7 53.5

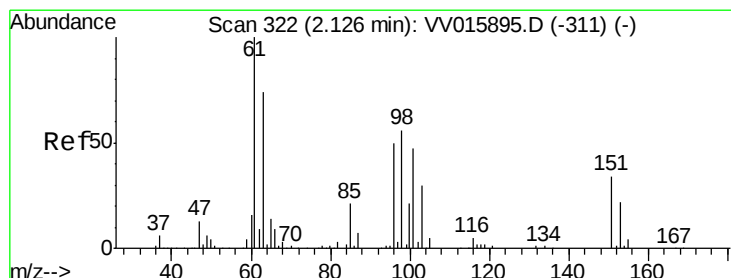
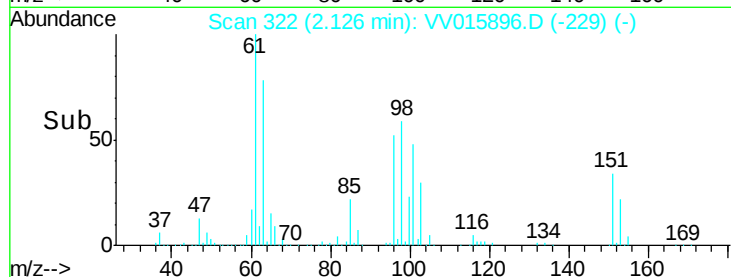
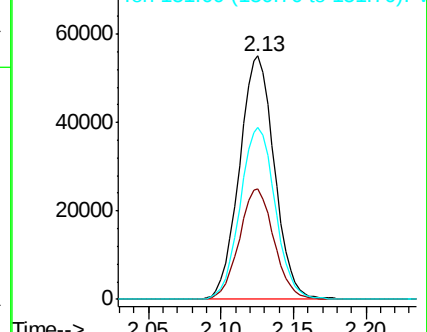
151 71.1 58.0 87.0



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: 9.282 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

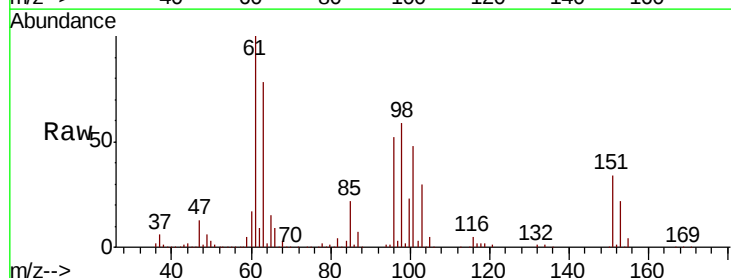
Tgt Ion: 96 Resp: 86155

Ion Ratio Lower Upper

96 100

61 192.9 139.9 259.7

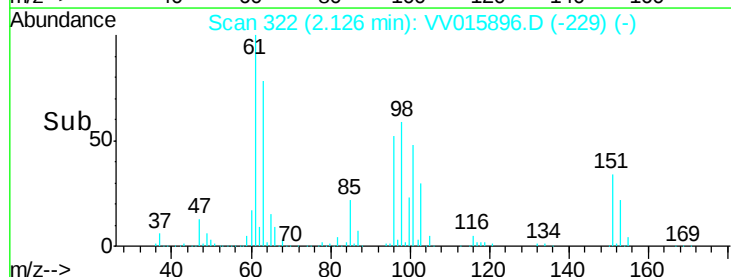
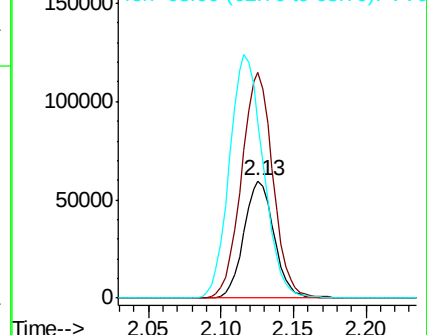
63 150.7 106.4 197.6

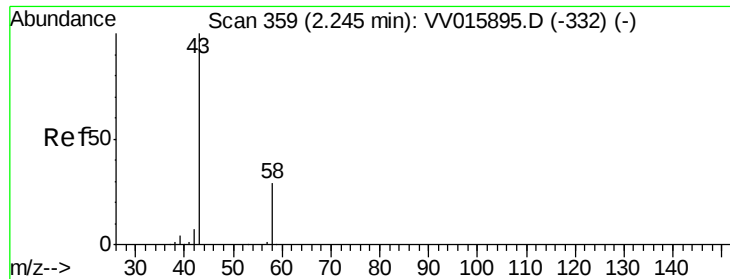


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 90.627 ug/L

RT: 2.25 min Scan# 360

Delta R.T. 0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

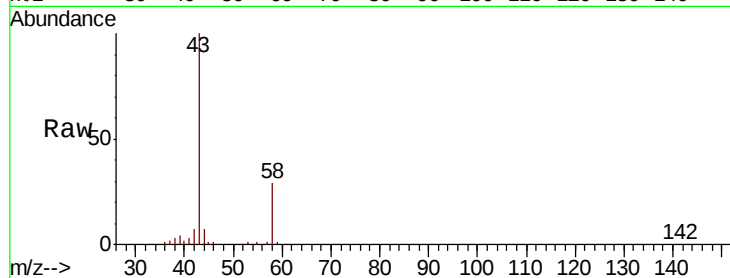
VSTD01033

Tot Ion: 43 Resp: 166481

Ion Ratio Lower Upper

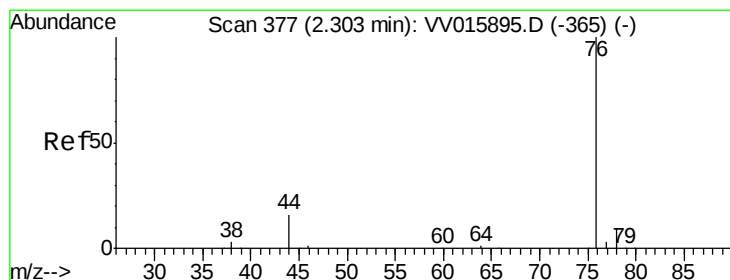
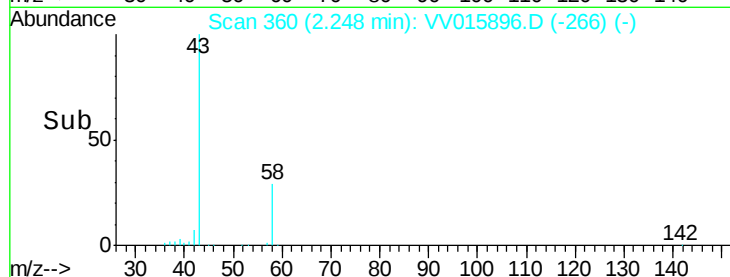
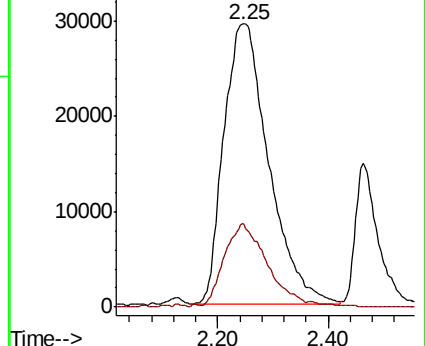
43 100

58 27.4 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV015895.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV015895.D (-332) (-)



#14

Carbon disulfide

Concen: 10.875 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015896.D

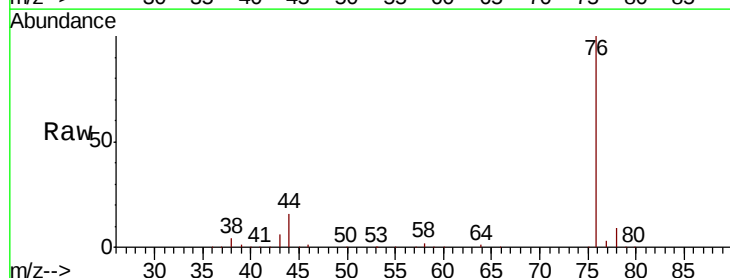
Acq: 05 May 2020 12:11

Tgt Ion: 76 Resp: 297356

Ion Ratio Lower Upper

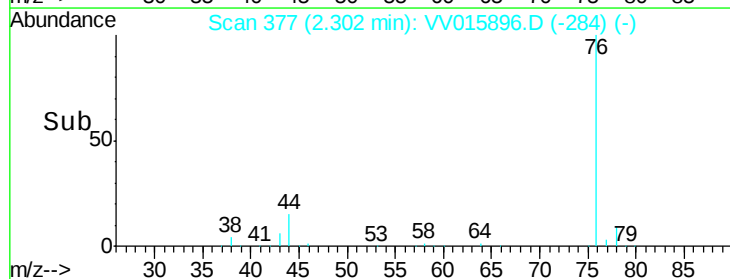
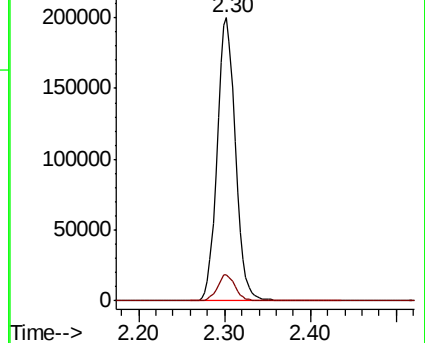
76 100

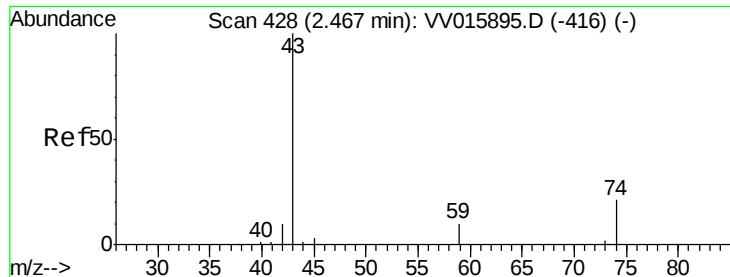
78 9.3 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV015895.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV015895.D (-365) (-)





#15

Methvl Acetate

Concen: 9.559 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

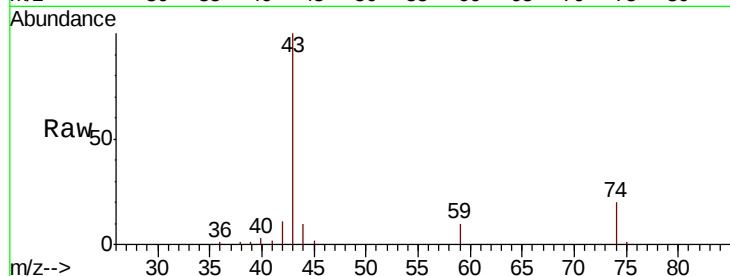
VSTD01033

Tot Ion: 43 Resp: 41443

Ion Ratio Lower Upper

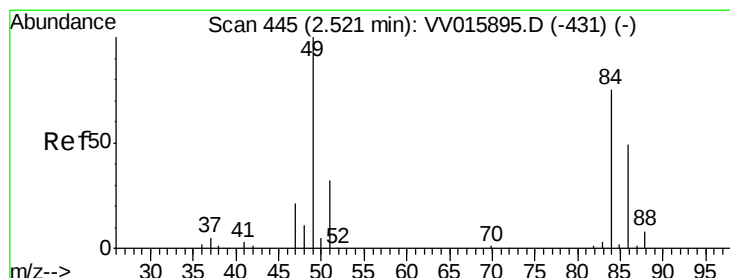
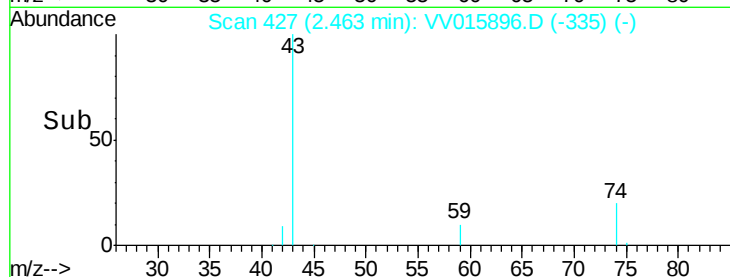
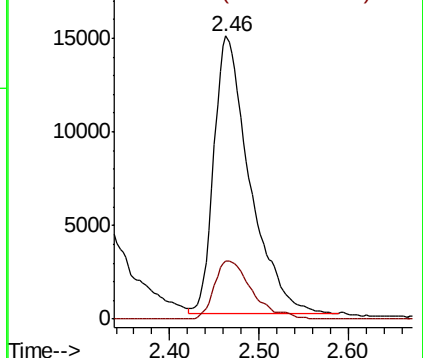
43 100

74 22.1 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 8.750 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

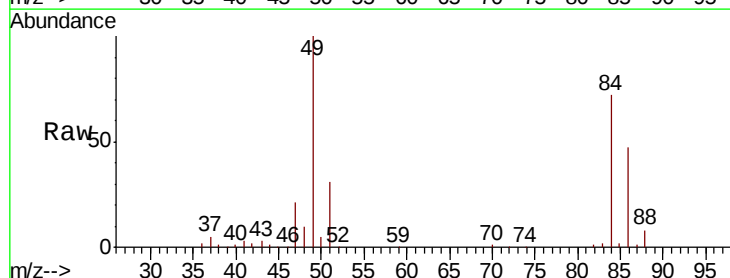
Tgt Ion: 84 Resp: 101435

Ion Ratio Lower Upper

84 100

86 65.5 45.6 84.8

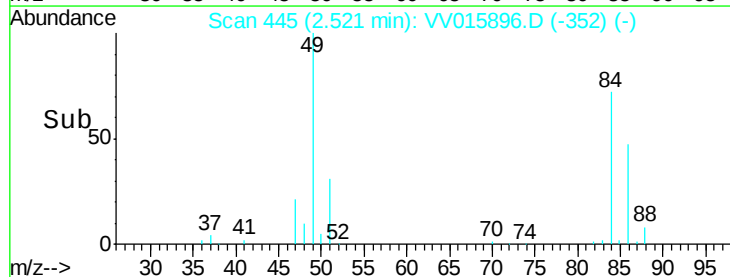
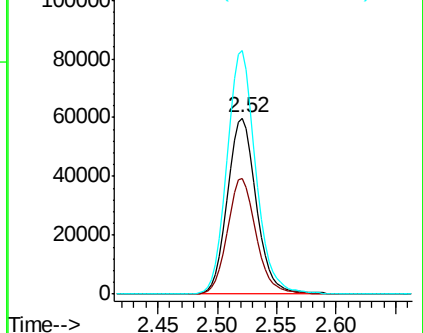
49 138.1 93.6 173.8

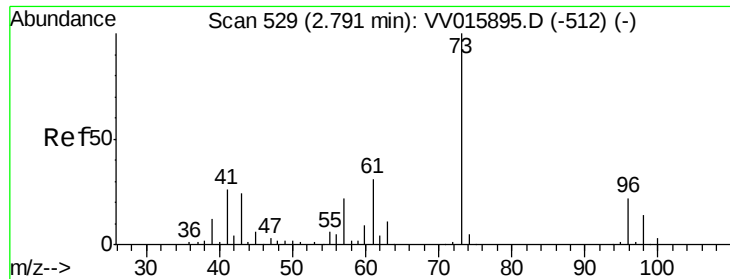


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

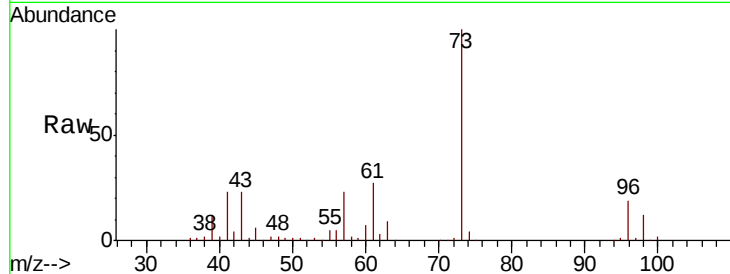




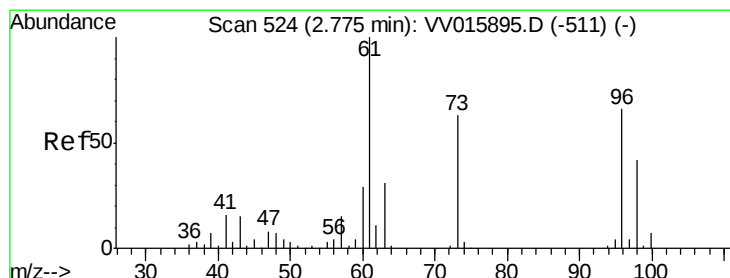
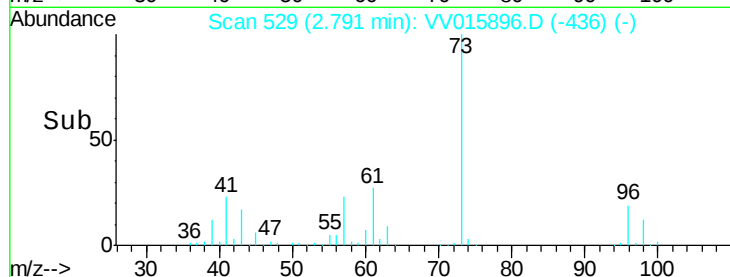
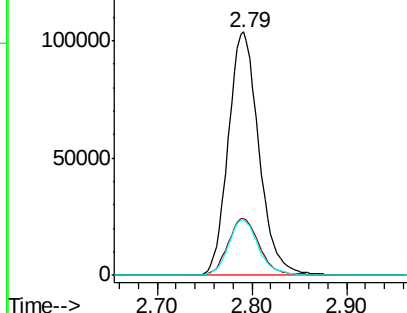
#17
Methvl tert-butvl Ether
Concen: 9.024 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV015896.D
Acq: 05 May 2020 12:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Tot Ion: 73 Resp: 234084
Ion Ratio Lower Upper
73 100
43 23.4 18.8 28.2
57 22.4 17.8 26.6

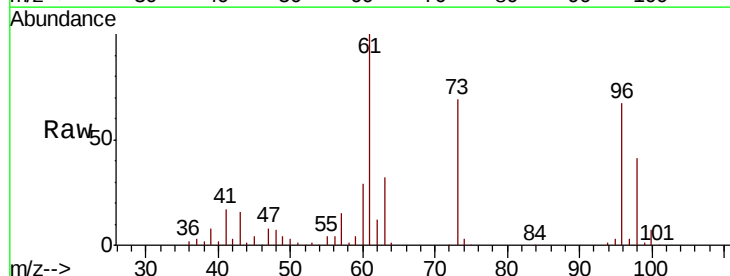


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

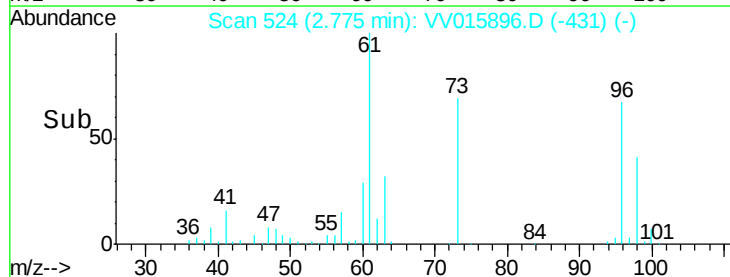
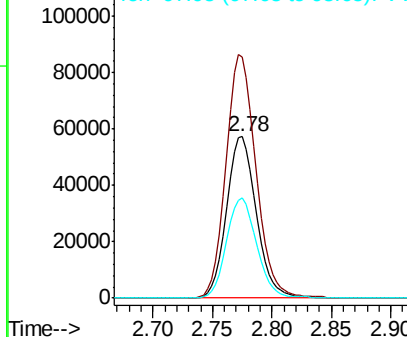


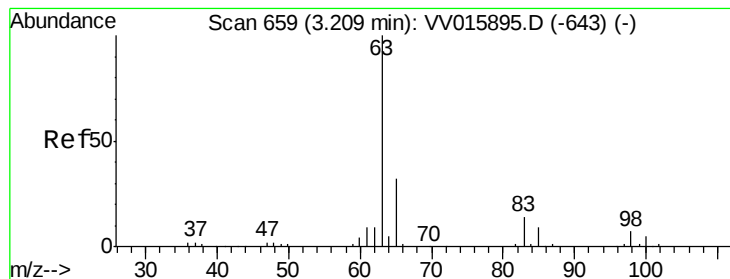
#18
trans-1,2-Dichloroethene
Concen: 9.492 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV015896.D
Acq: 05 May 2020 12:11

Tgt Ion: 96 Resp: 99552
Ion Ratio Lower Upper
96 100
61 149.1 105.3 195.5
98 61.8 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 9.215 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

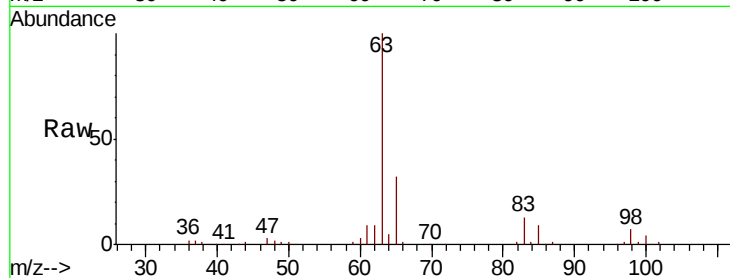
Tot Ion: 63 Resp: 188201

Ion Ratio Lower Upper

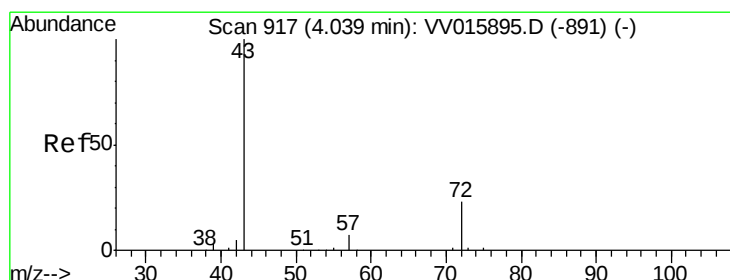
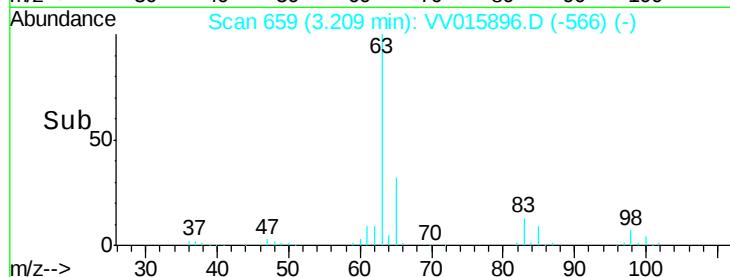
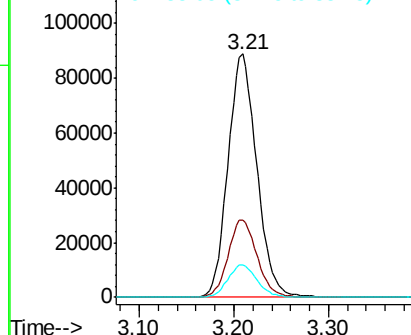
63 100

65 31.9 22.0 41.0

83 13.5 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 93.649 ug/L

RT: 4.03 min Scan# 915

Delta R.T. -0.01 min

Lab File: VV015896.D

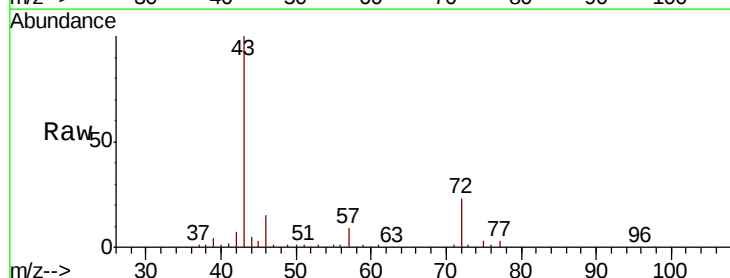
Acq: 05 May 2020 12:11

Tgt Ion: 43 Resp: 266450

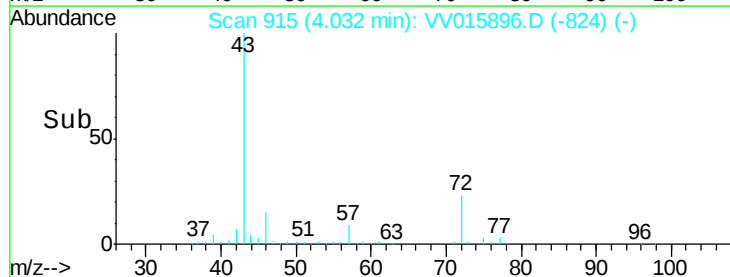
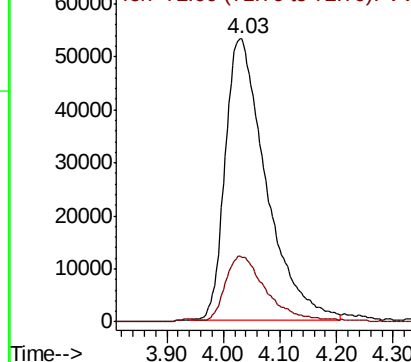
Ion Ratio Lower Upper

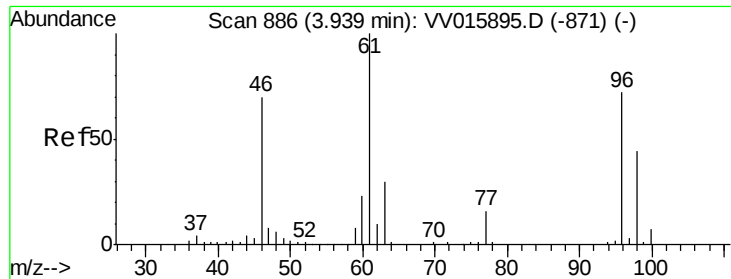
43 100

72 22.0 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0





#22

cis-1,2-Dichloroethene

Concen: 9.096 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

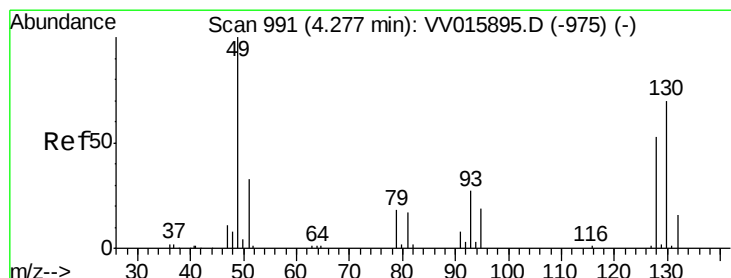
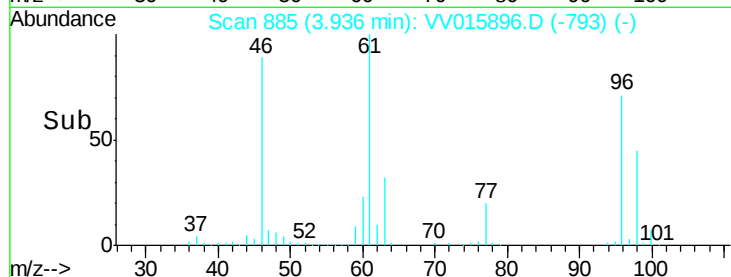
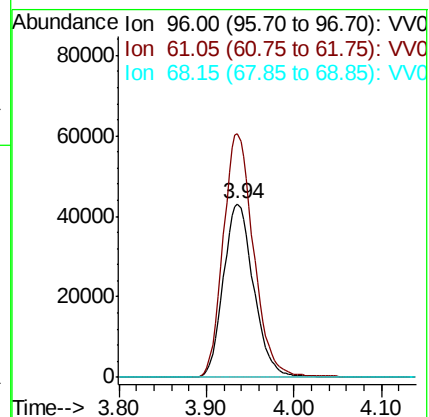
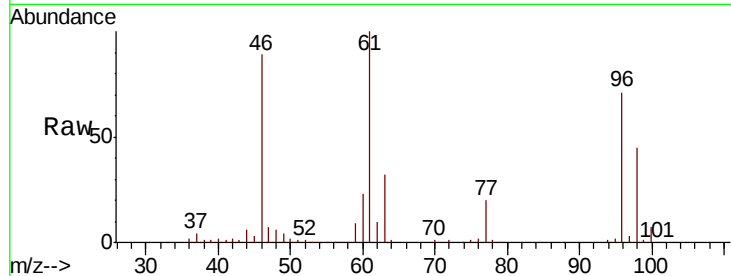
Tot Ion: 96 Resp: 103968

Ion Ratio Lower Upper

96 100

61 140.4 97.2 180.6

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 9.207 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Tgt Ion: 128 Resp: 43347

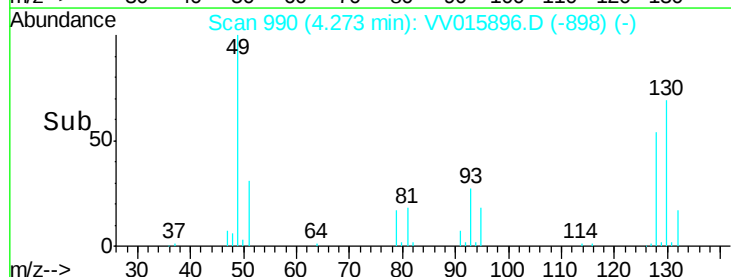
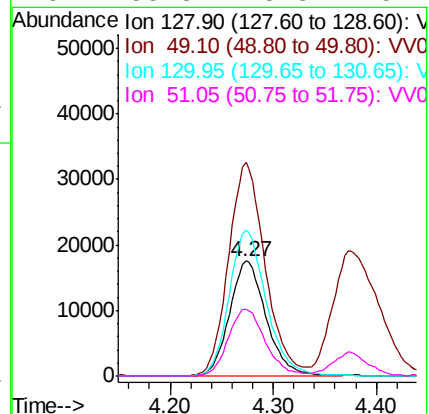
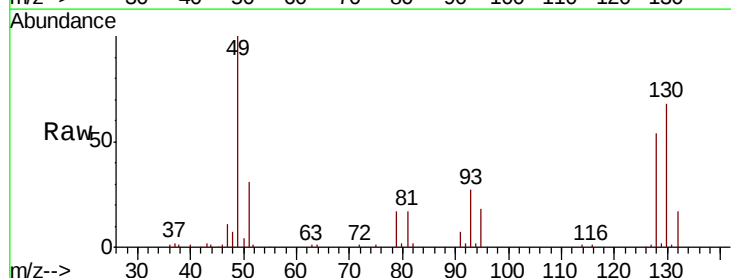
Ion Ratio Lower Upper

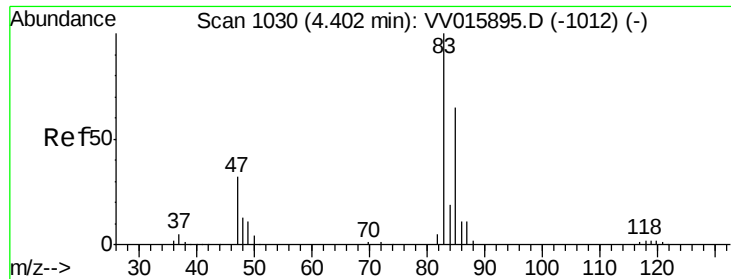
128 100

49 185.6 131.3 243.8

130 127.0 91.8 170.4

51 58.3 48.8 73.2

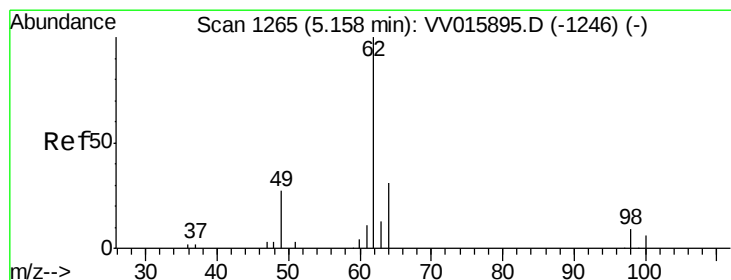
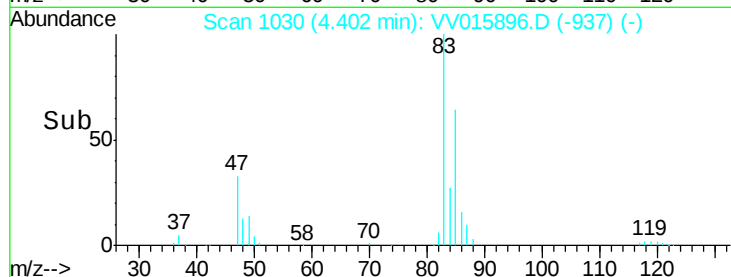
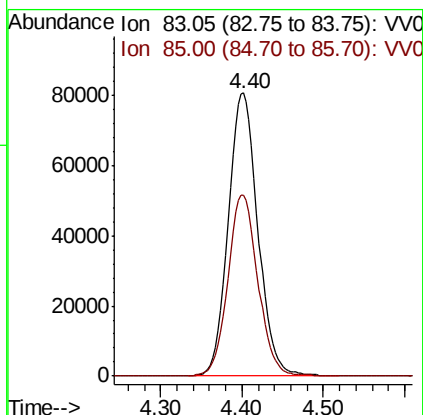
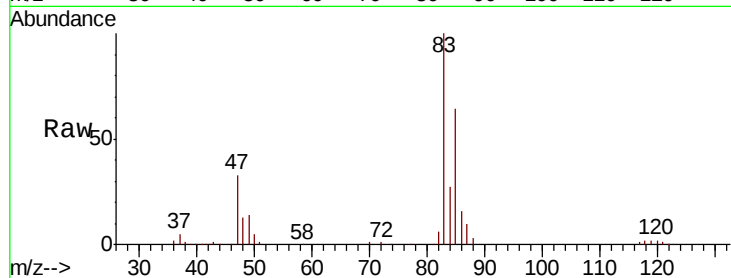




#25
Chloroform
Concen: 9.385 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015896.D
Acq: 05 May 2020 12:11

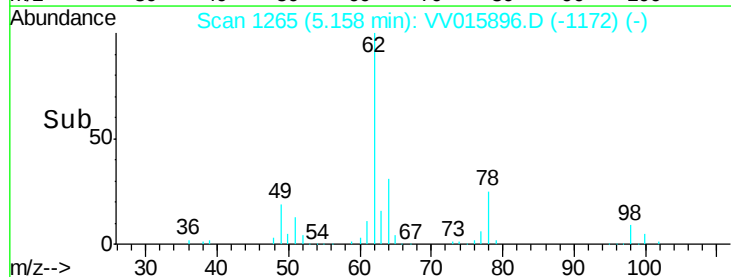
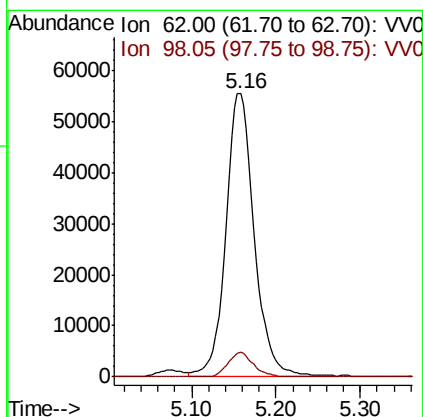
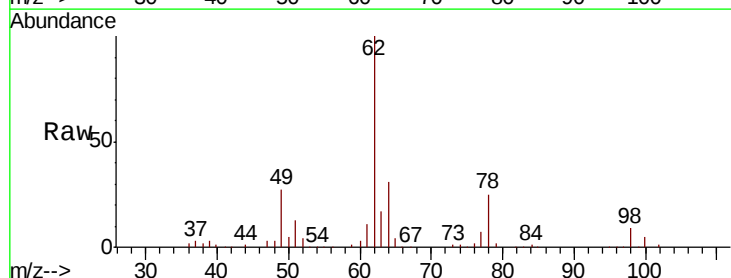
Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

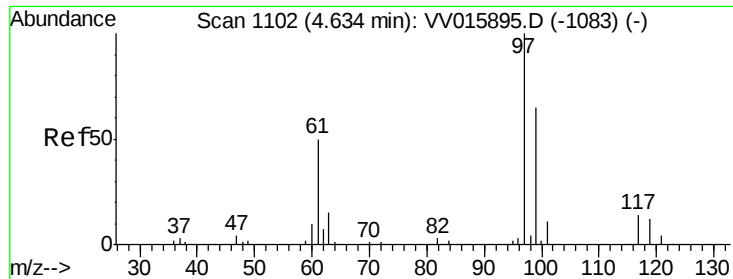
Tot Ion: 83 Resp: 205340
Ion Ratio Lower Upper
83 100
85 63.8 45.7 84.9



#27
1,2-Dichloroethane
Concen: 9.054 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV015896.D
Acq: 05 May 2020 12:11

Tgt Ion: 62 Resp: 128583
Ion Ratio Lower Upper
62 100
98 8.6 6.7 10.1

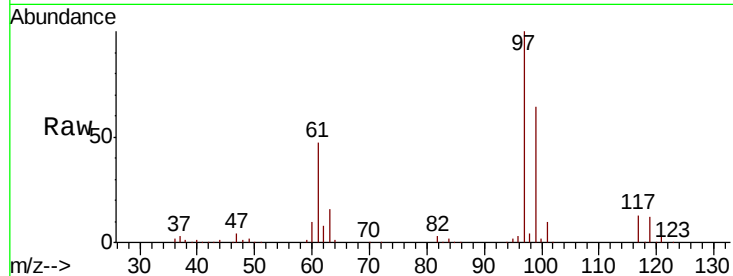




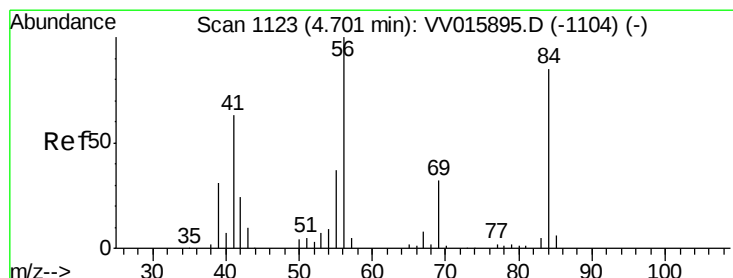
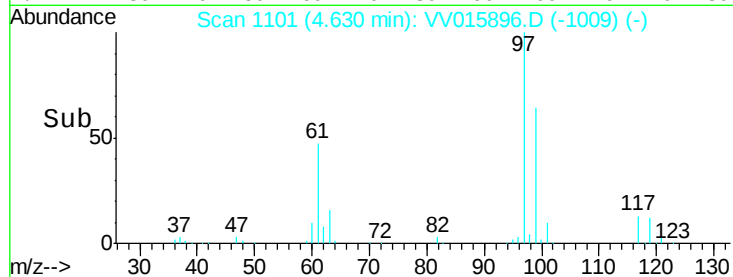
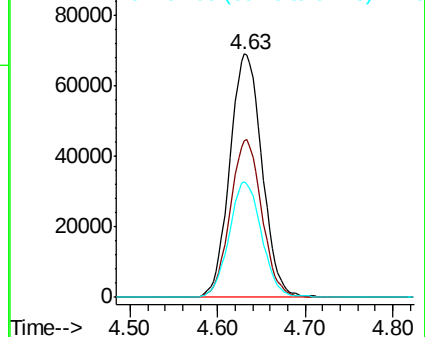
#29
 1,1,1-Trichloroethane
 Concen: 9.170 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VV015896.D
 Acq: 05 May 2020 12:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tot Ion: 97 Resp: 176749
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.7 76.1
 61 47.9 38.8 58.2

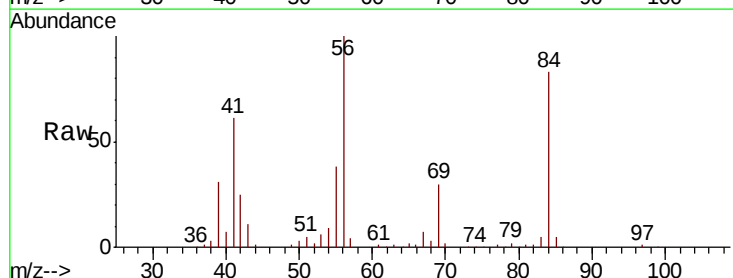


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

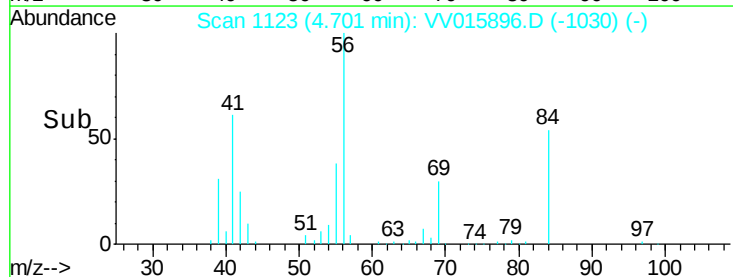
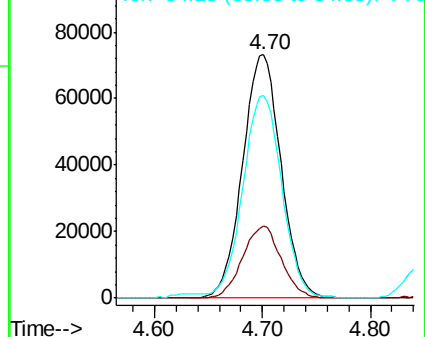


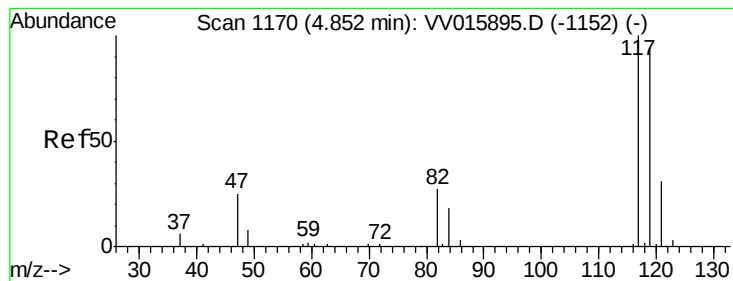
#30
 Cyclohexane
 Concen: 9.741 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV015896.D
 Acq: 05 May 2020 12:11

Tgt Ion: 56 Resp: 181585
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.2 36.2
 84 84.5 68.3 102.5



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 9.347 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

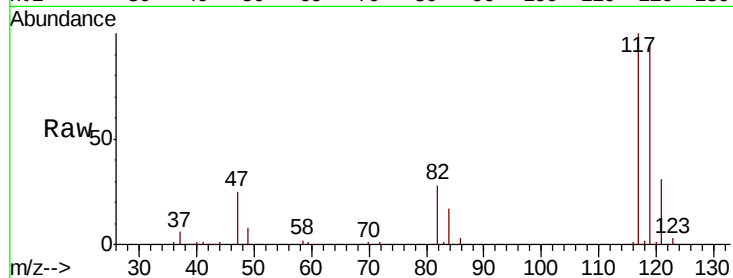
VSTD01033

Tot Ion:117 Resp: 150088

Ion Ratio Lower Upper

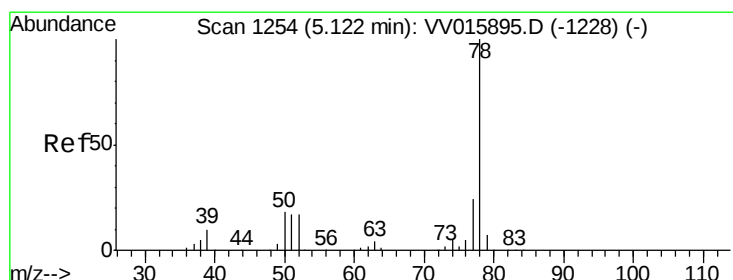
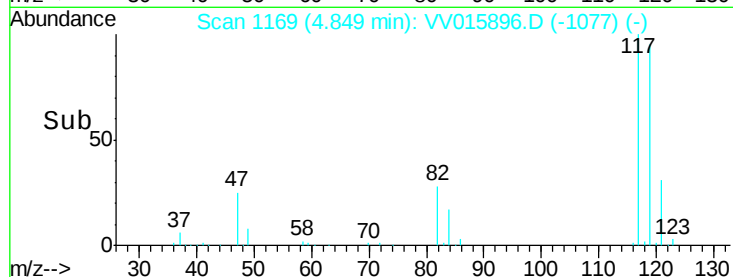
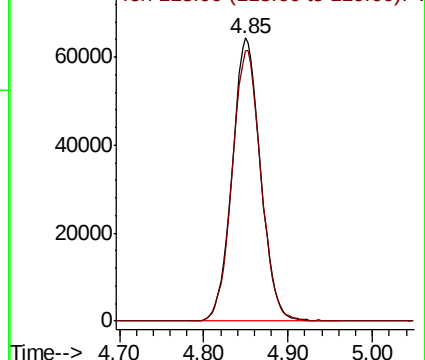
117 100

119 97.2 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.371 ug/L

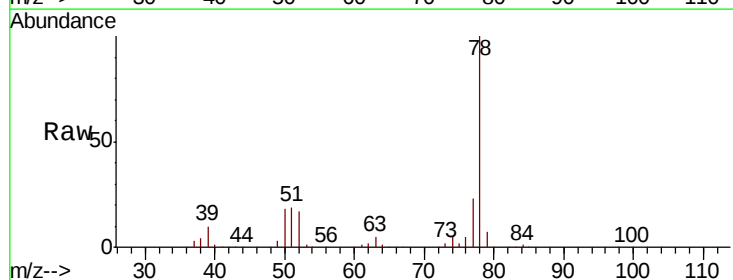
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

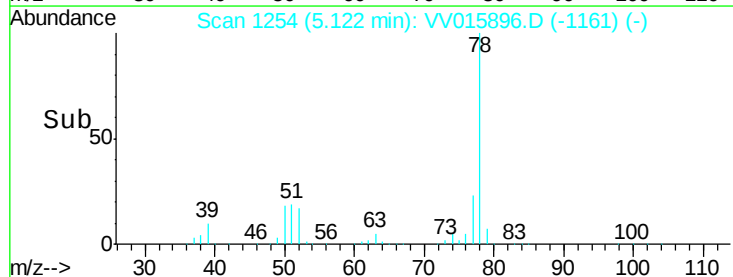
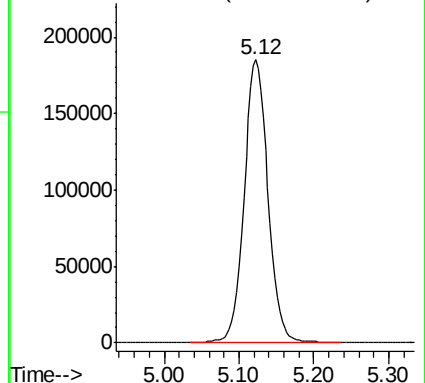
Lab File: VV015896.D

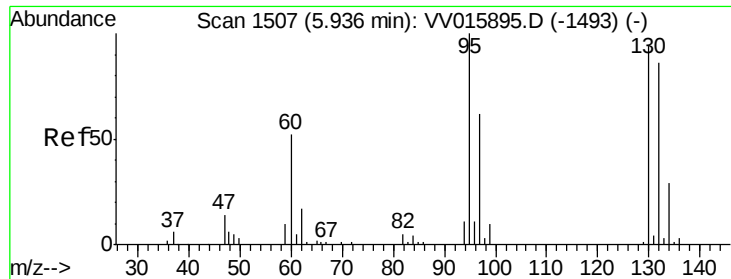
Acq: 05 May 2020 12:11

Tgt Ion: 78 Resp: 409246



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 9.083 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

Tot Ion: 95 Resp: 109640

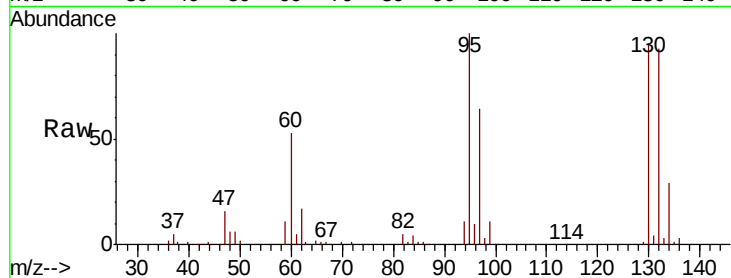
Ion Ratio Lower Upper

95 100

97 64.2 43.3 80.5

132 92.8 60.3 112.1

130 95.1 66.0 122.6

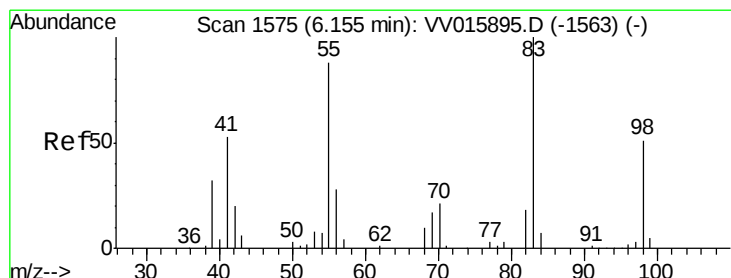
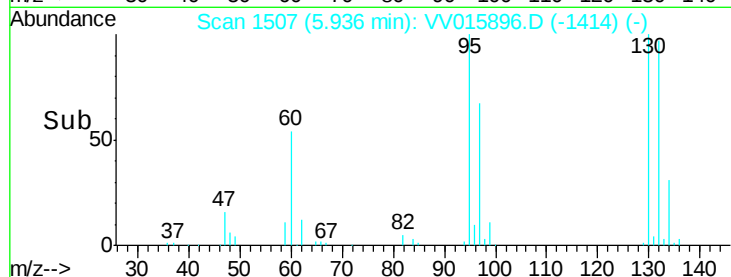
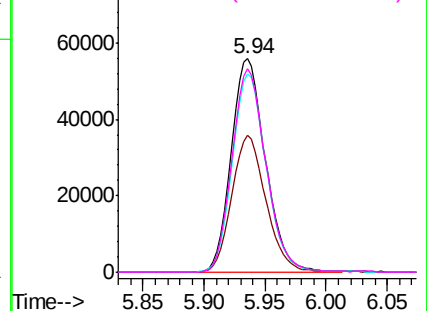


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 9.647 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

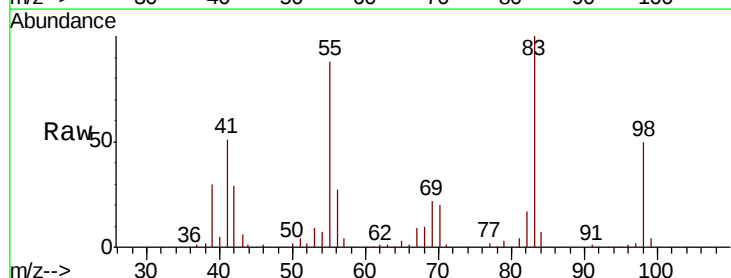
Tgt Ion: 83 Resp: 179886

Ion Ratio Lower Upper

83 100

55 84.7 66.2 99.2

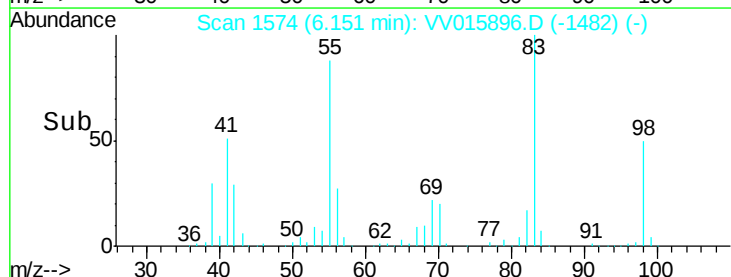
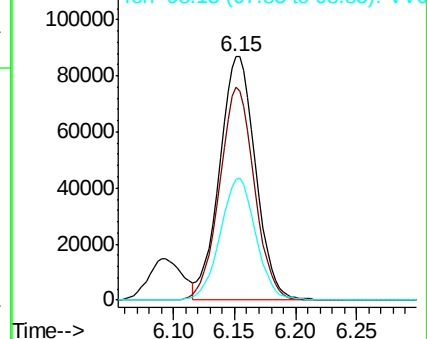
98 48.7 37.9 56.9

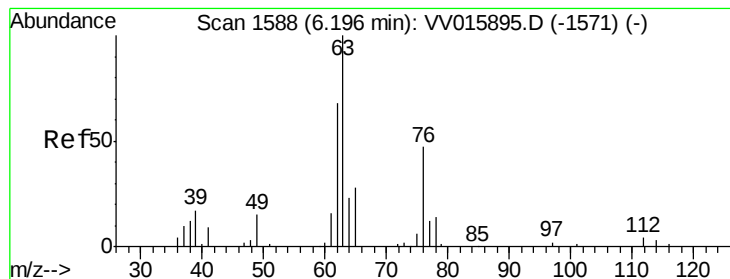


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 9.188 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

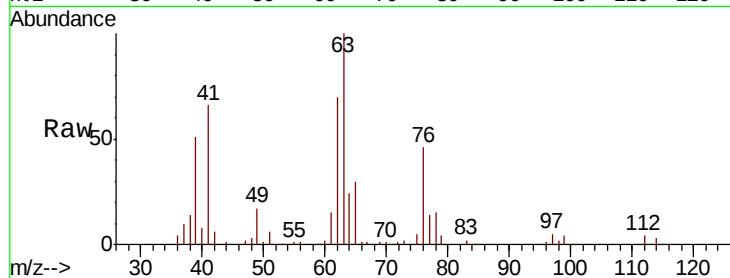
VSTD01033

Tot Ion: 63 Resp: 102025

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.0



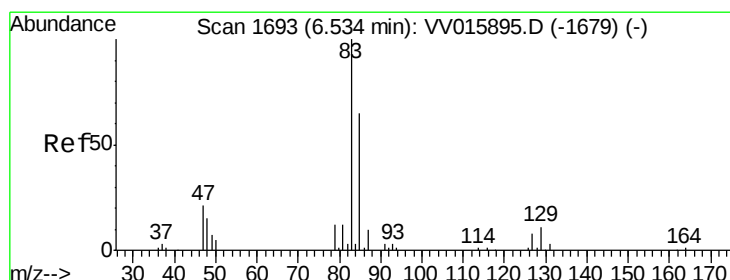
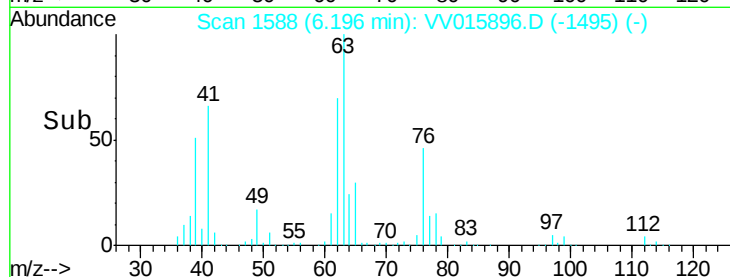
Abundance Ion 63.10 (62.80 to 63.80): VV015896.D (-1495) (-)

Ion 112.10 (111.80 to 112.80): VV015896.D (-1495) (-)

6.20

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 9.162 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

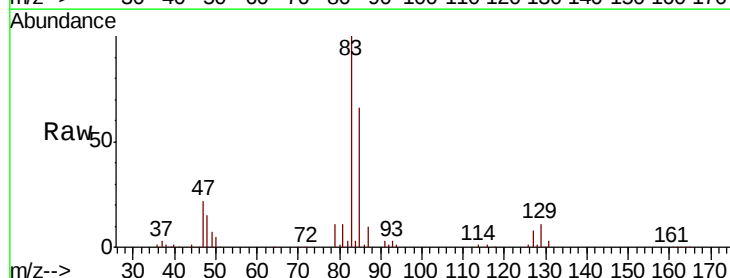
Tgt Ion: 83 Resp: 128881

Ion Ratio Lower Upper

83 100

85 65.6 45.5 84.5

127 8.3 6.2 9.4



Abundance Ion 82.95 (82.65 to 83.65): VV015896.D (-1600) (-)

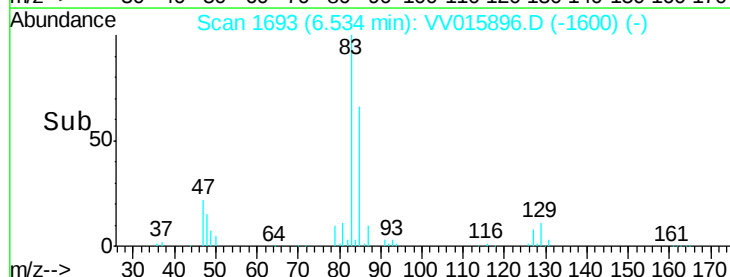
Ion 85.00 (84.70 to 85.70): VV015896.D (-1600) (-)

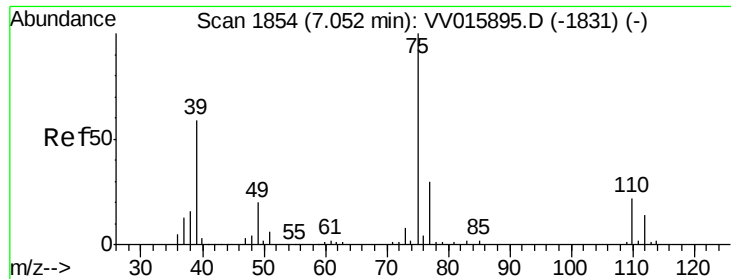
Ion 126.90 (126.60 to 127.60): VV015896.D (-1600) (-)

6.53

6.45 6.50 6.55 6.60 6.65

Time-->



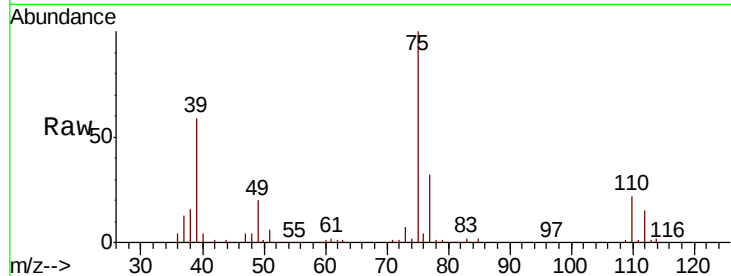


#39

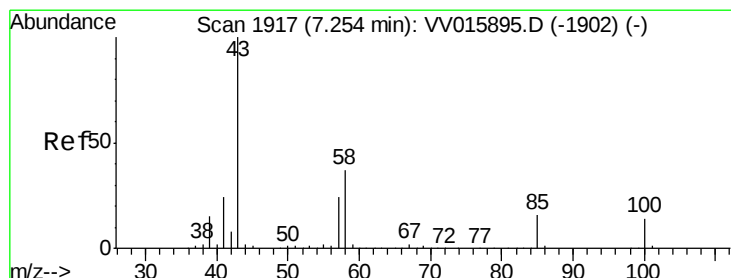
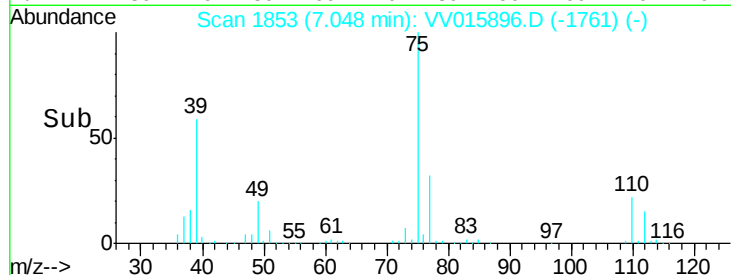
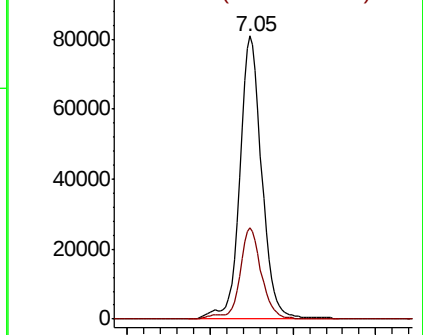
cis-1,3-Dichloropropene
 Concen: 9.715 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV015896.D
 Acq: 05 May 2020 12:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tot Ion: 75 Resp: 150909
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.3 39.5



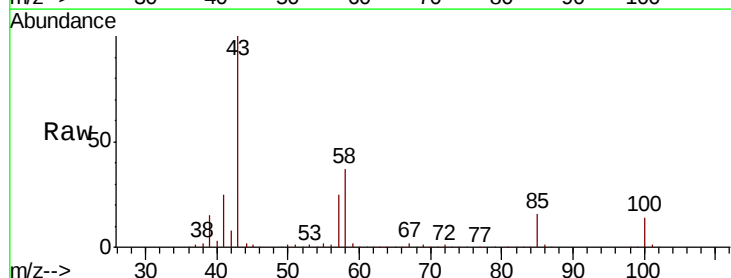
Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0



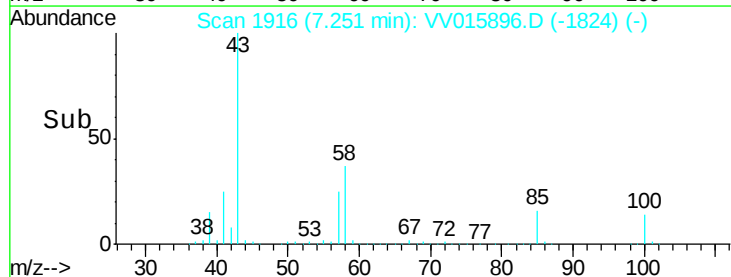
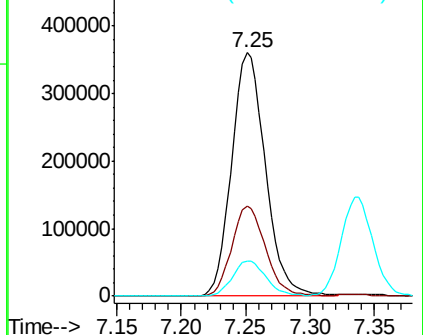
#40

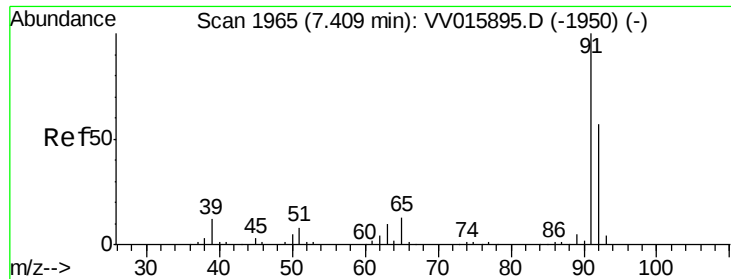
4-Methyl-2-pentanone
 Concen: 91.212 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV015896.D
 Acq: 05 May 2020 12:11

Tgt Ion: 43 Resp: 656927
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.0 43.4
 100 14.4 10.9 16.3



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





#42

Toluene

Concen: 9.402 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

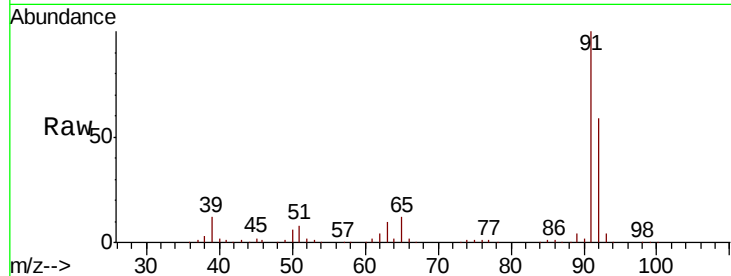
VSTD01033

Tot Ion: 91 Resp: 438717

Ion Ratio Lower Upper

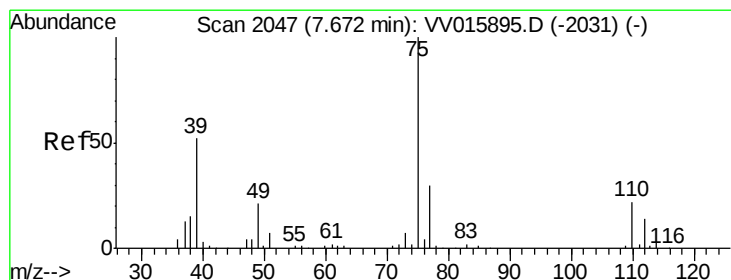
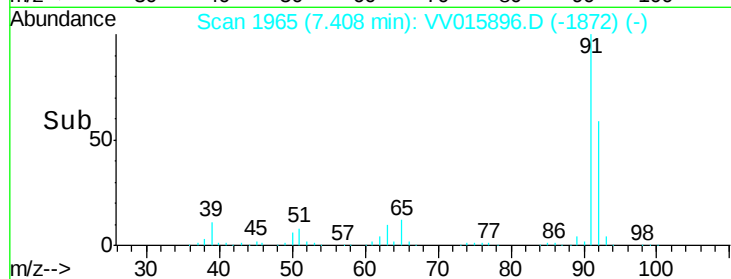
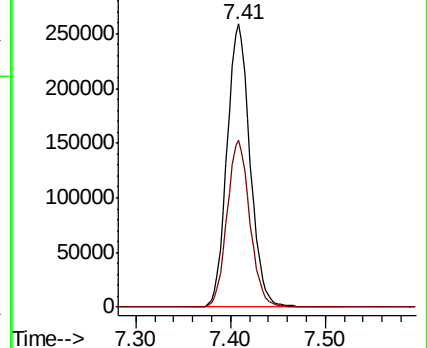
91 100

92 58.8 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 9.913 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015896.D

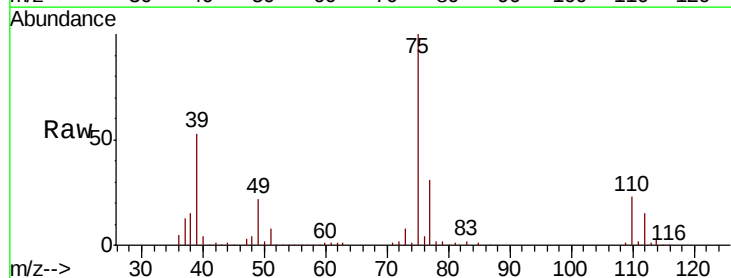
Acq: 05 May 2020 12:11

Tgt Ion: 75 Resp: 128870

Ion Ratio Lower Upper

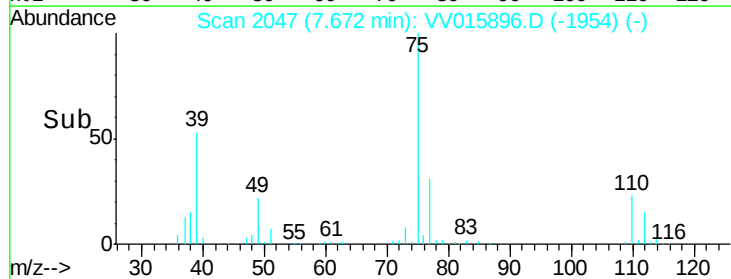
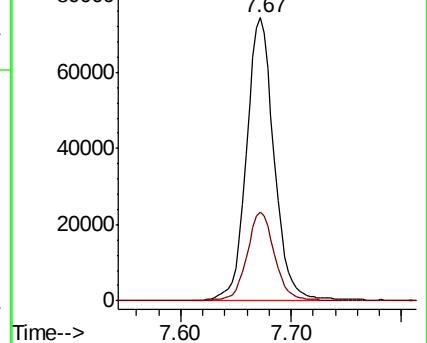
75 100

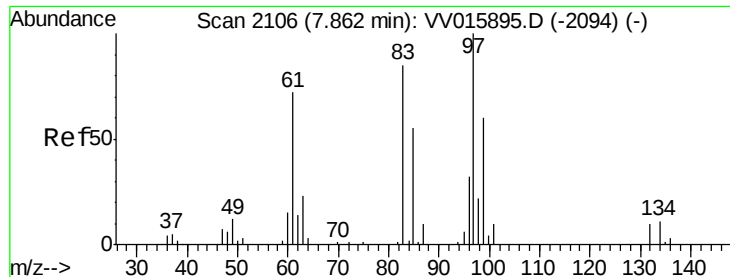
77 31.3 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 8.965 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

Tot Ion: 97 Resp: 67384

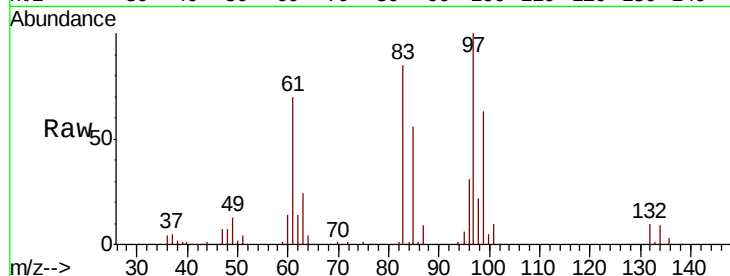
Ion Ratio Lower Upper

97 100

99 63.1 42.1 78.1

83 85.2 59.2 110.0

85 55.7 38.6 71.8

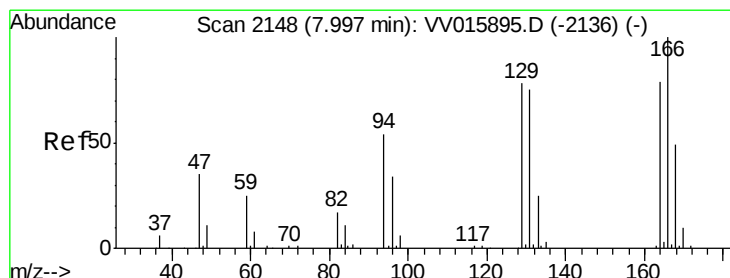
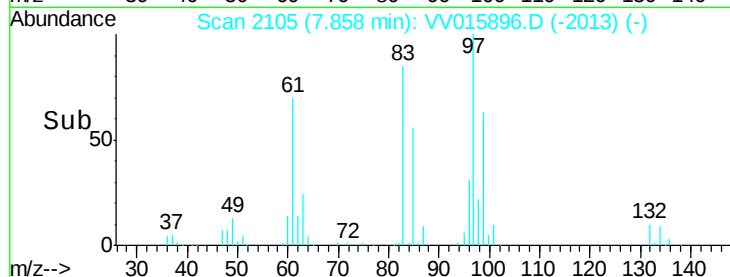
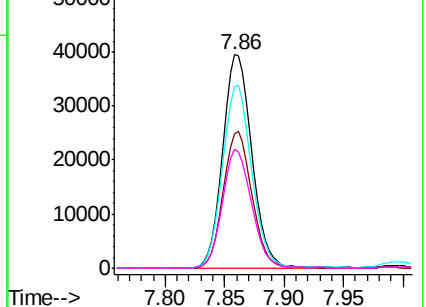


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 9.447 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Tgt Ion: 164 Resp: 82081

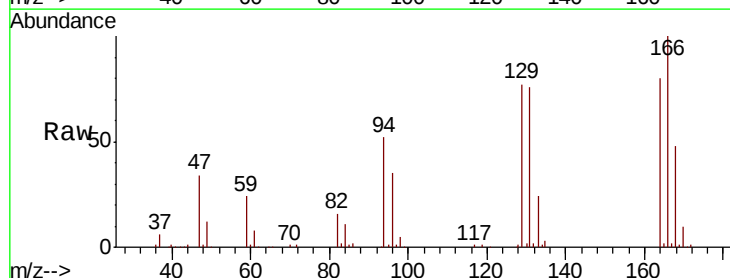
Ion Ratio Lower Upper

164 100

129 96.1 69.7 129.4

131 95.1 66.8 124.2

166 125.1 89.1 165.5

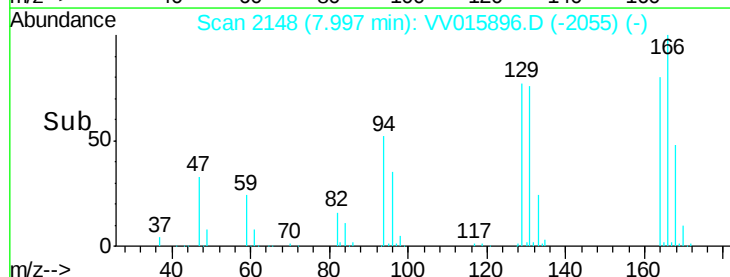
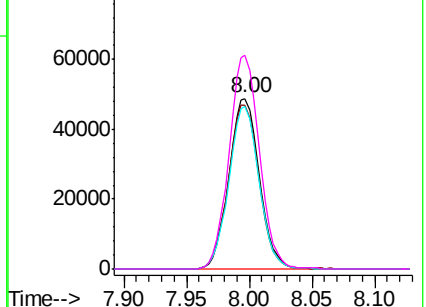


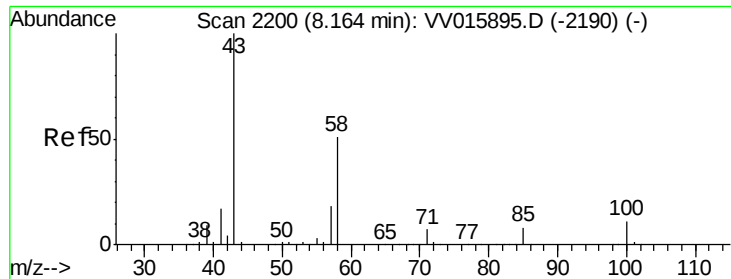
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

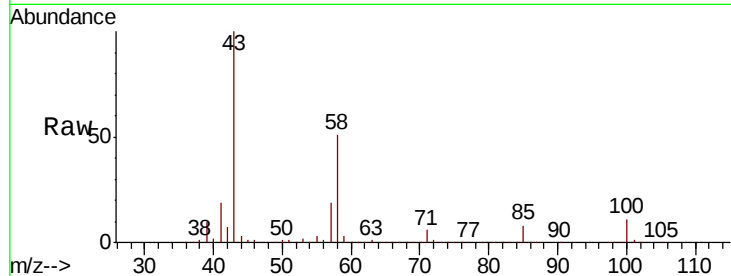




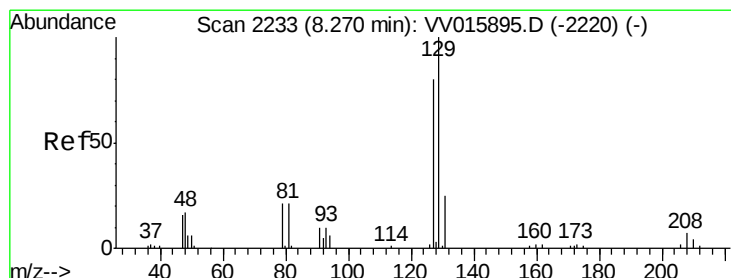
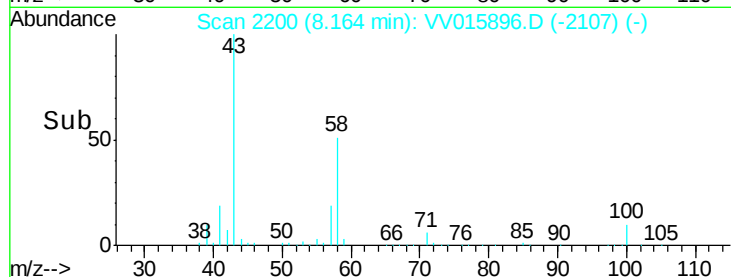
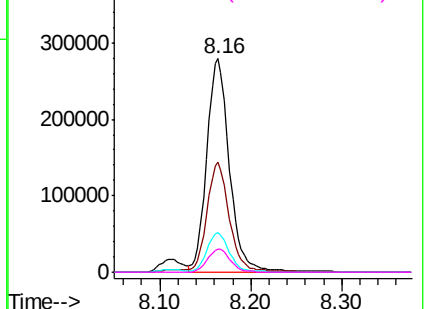
#48
2-Hexanone
Concen: 93.696 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV015896.D
Acq: 05 May 2020 12:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Tot Ion: 43 Resp: 478981
Ion Ratio Lower Upper
43 100
58 51.0 40.8 61.2
57 18.3 14.7 22.1
100 11.1 9.0 13.6

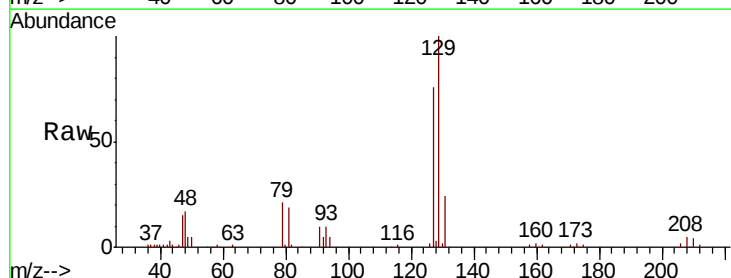


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

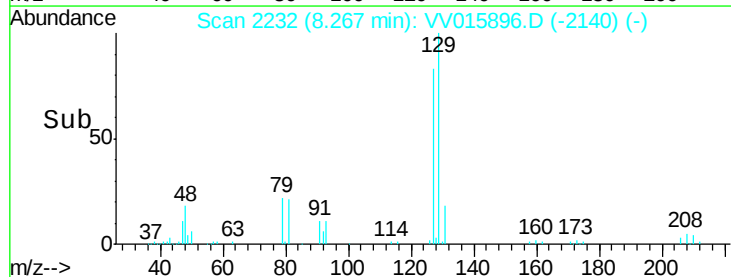
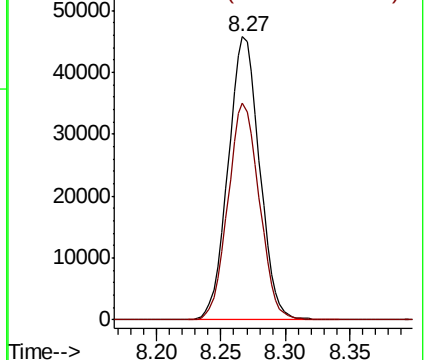


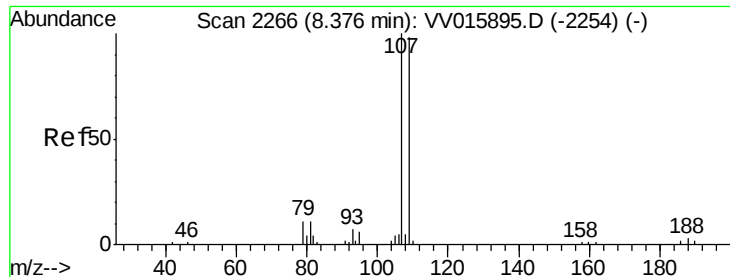
#49
Dibromochloromethane
Concen: 9.786 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015896.D
Acq: 05 May 2020 12:11

Tgt Ion: 129 Resp: 77295
Ion Ratio Lower Upper
129 100
127 76.5 56.0 104.0



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

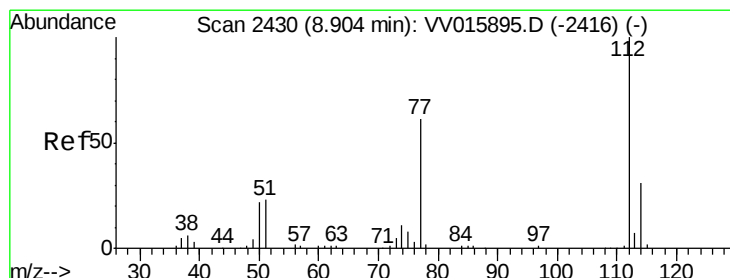
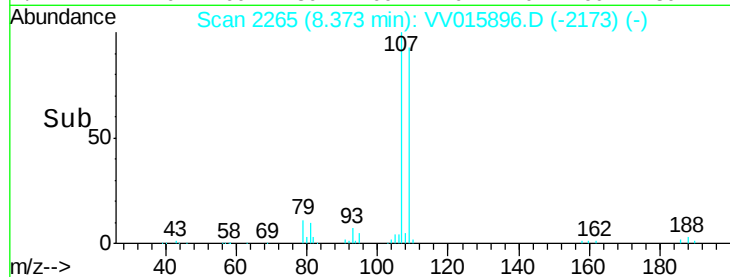
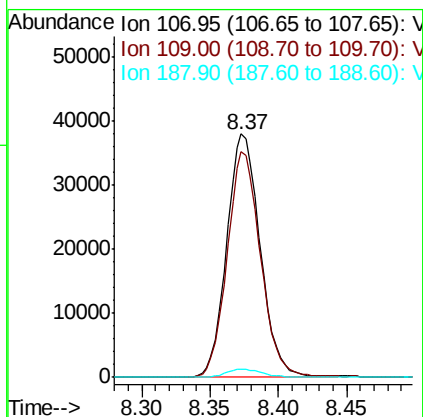
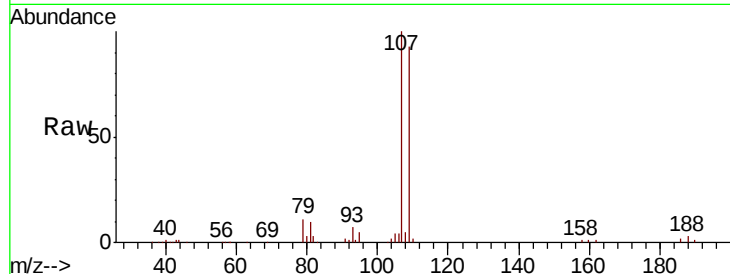




#50
 1,2-Dibromoethane
 Concen: 9.286 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV015896.D
 Acq: 05 May 2020 12:11

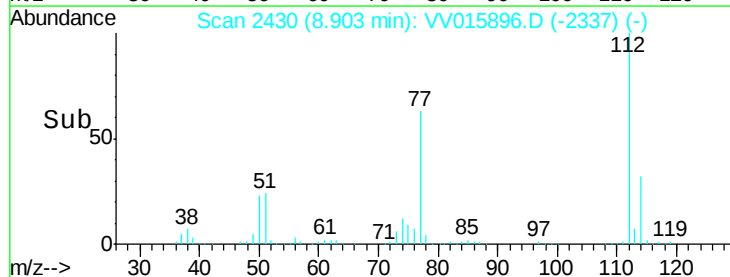
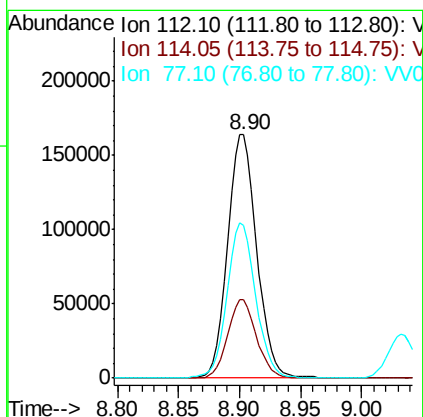
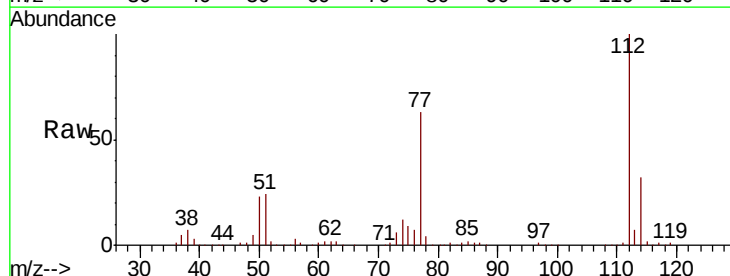
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

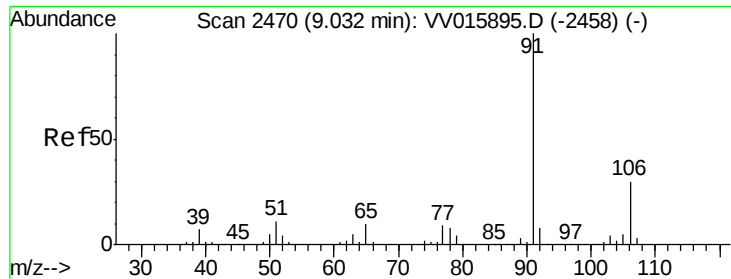
Tot Ion:107 Resp: 64599
 Ion Ratio Lower Upper
 107 100
 109 92.8 68.9 127.9
 188 3.2 2.7 4.1



#51
 Chlorobenzene
 Concen: 8.975 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV015896.D
 Acq: 05 May 2020 12:11

Tgt Ion:112 Resp: 274268
 Ion Ratio Lower Upper
 112 100
 114 32.3 21.6 40.0
 77 62.6 48.6 73.0

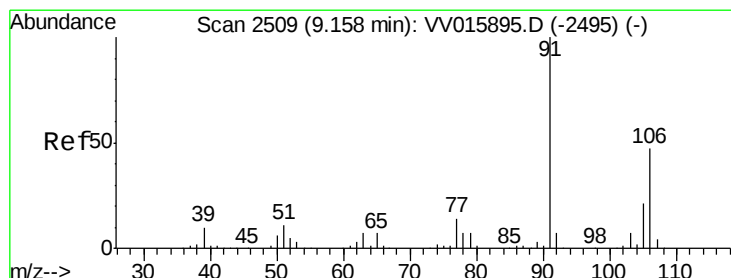
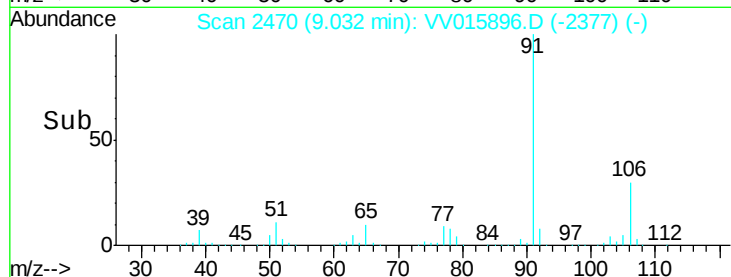
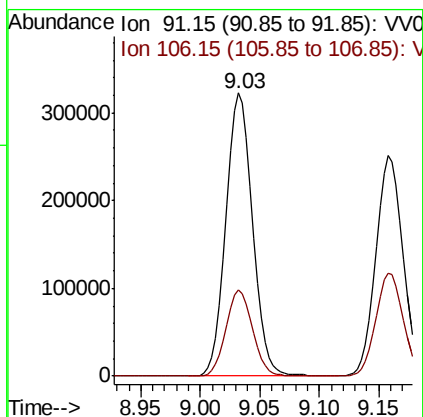
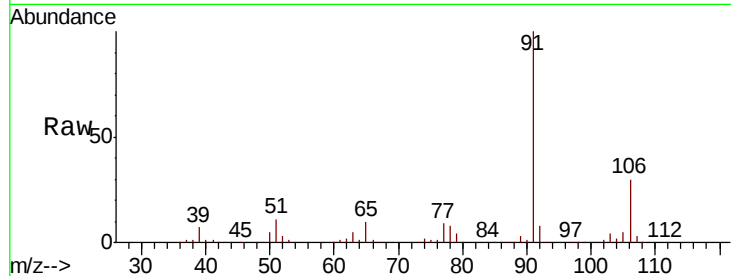




#52
Ethylbenzene
Concen: 9.303 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV015896.D
Acq: 05 May 2020 12:11

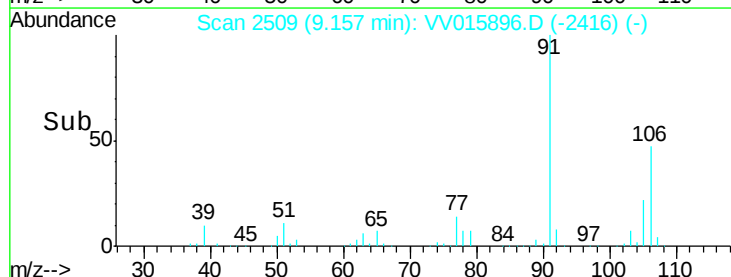
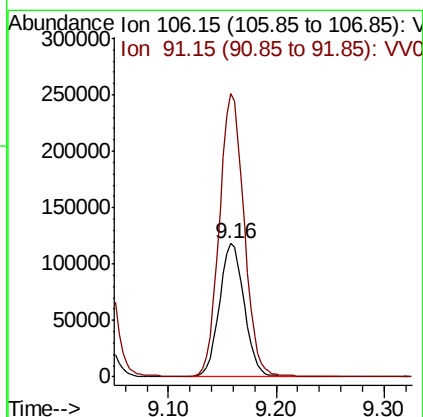
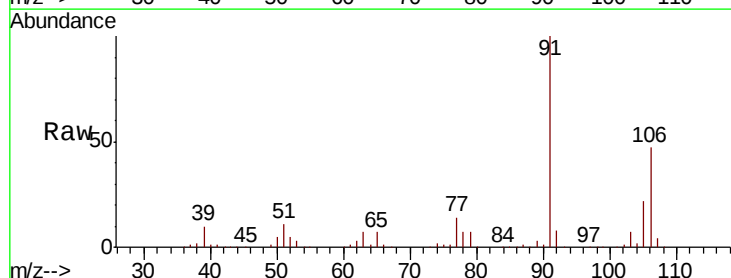
Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

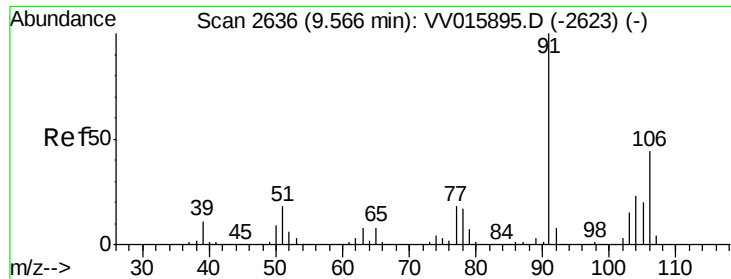
Tot Ion: 91 Resp: 501524
Ion Ratio Lower Upper
91 100
106 30.3 20.6 38.4



#53
m,p-xylene
Concen: 9.529 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV015896.D
Acq: 05 May 2020 12:11

Tgt Ion: 106 Resp: 188667
Ion Ratio Lower Upper
106 100
91 212.7 149.9 278.3

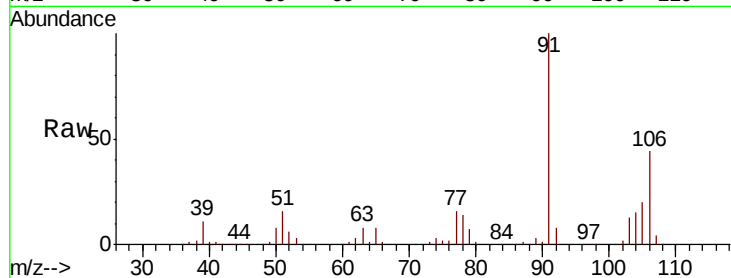




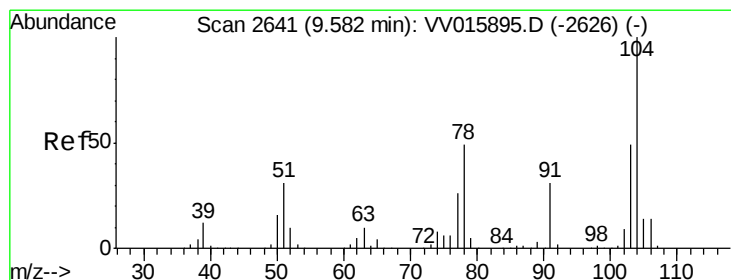
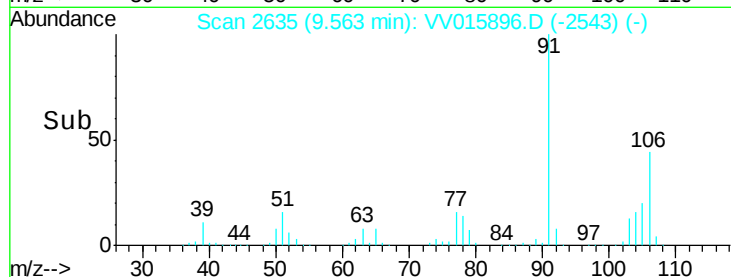
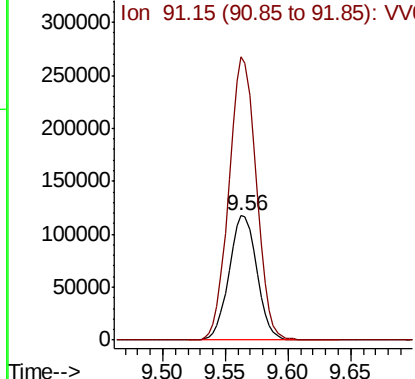
#54
o-xylene
Concen: 9.475 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV015896.D
Acq: 05 May 2020 12:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Tot Ion:106 Resp: 180697
Ion Ratio Lower Upper
106 100
91 227.2 159.7 296.5

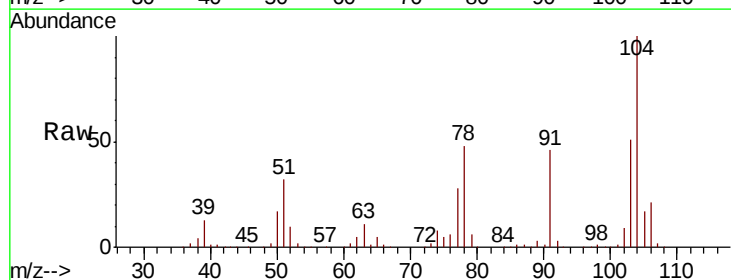


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

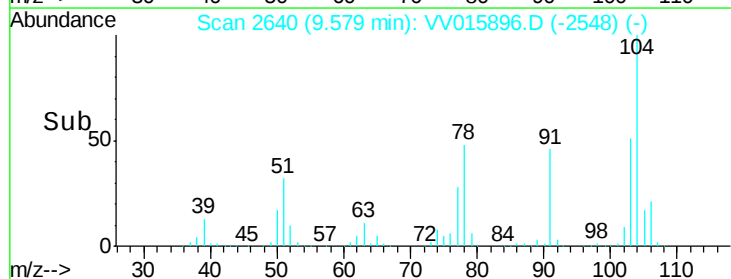
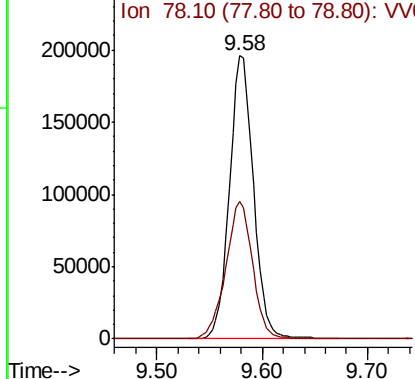


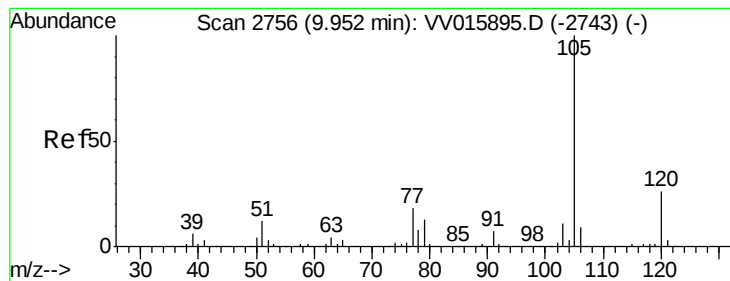
#55
Styrene
Concen: 9.569 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV015896.D
Acq: 05 May 2020 12:11

Tgt Ion:104 Resp: 308893
Ion Ratio Lower Upper
104 100
78 48.4 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 9.385 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

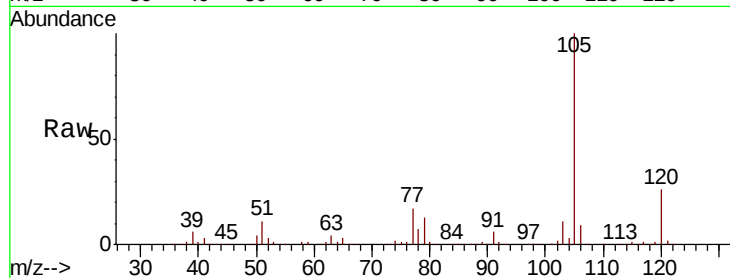
Tot Ion:105 Resp: 501488

Ion Ratio Lower Upper

105 100

120 25.6 20.8 31.2

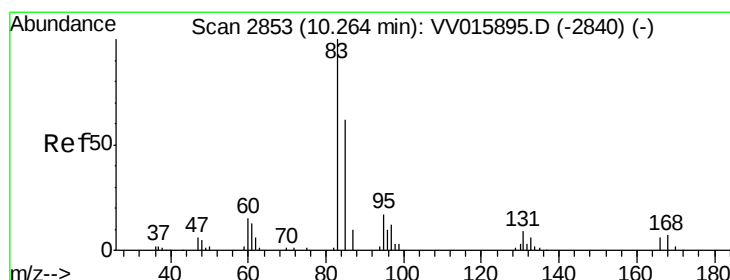
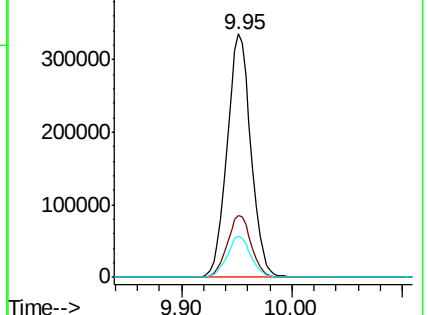
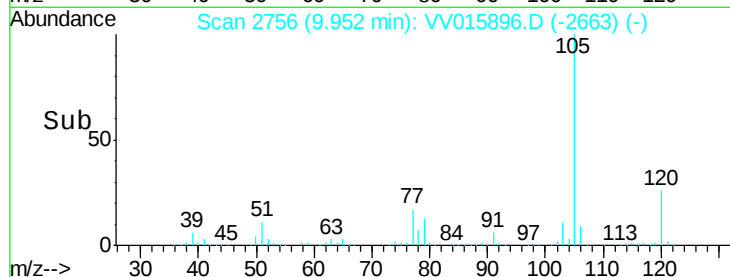
77 16.8 14.1 21.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 8.941 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

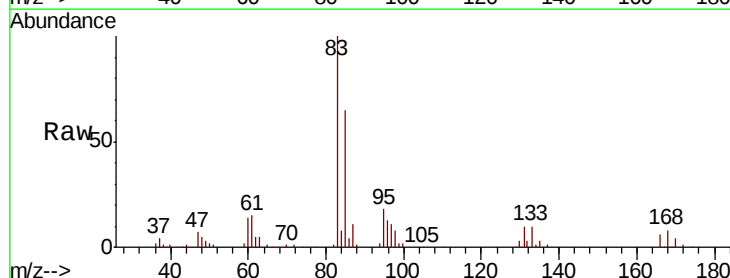
Tgt Ion: 83 Resp: 78581

Ion Ratio Lower Upper

83 100

85 65.0 44.0 81.6

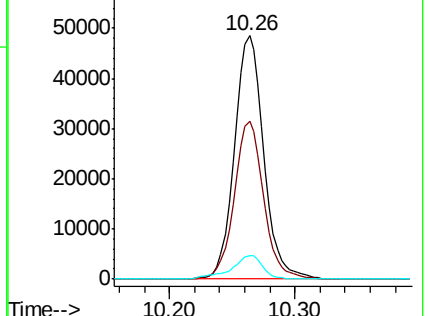
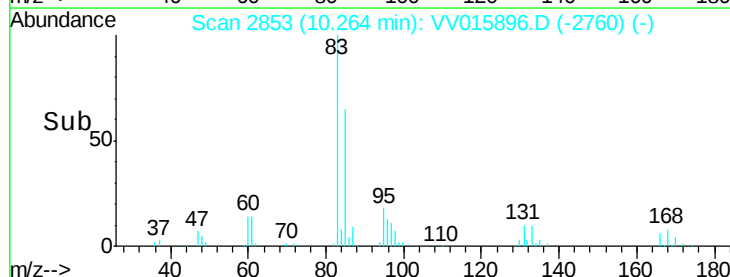
131 9.8 7.7 11.5

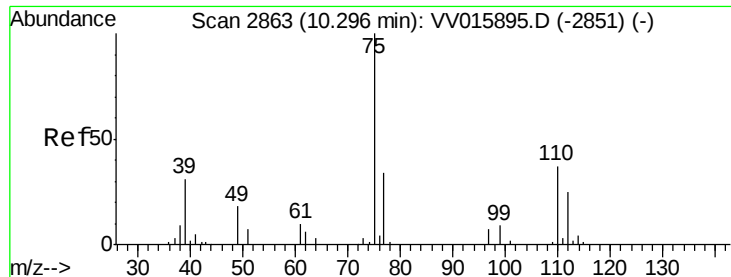


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 8.767 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

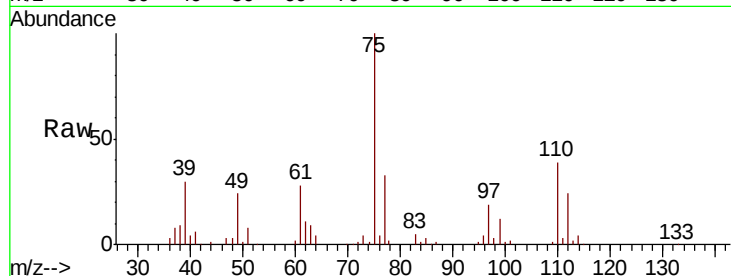
VSTD01033

Tot Ion: 75 Resp: 61612

Ion Ratio Lower Upper

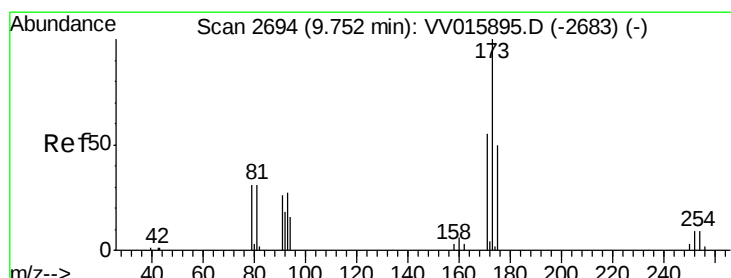
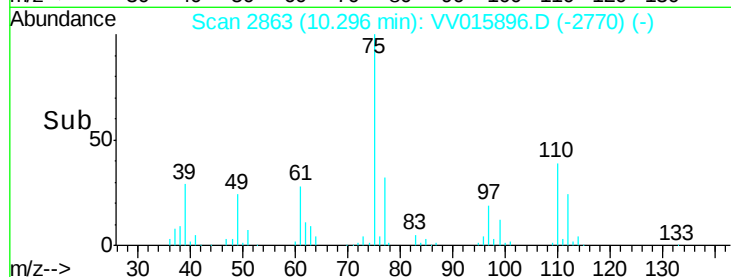
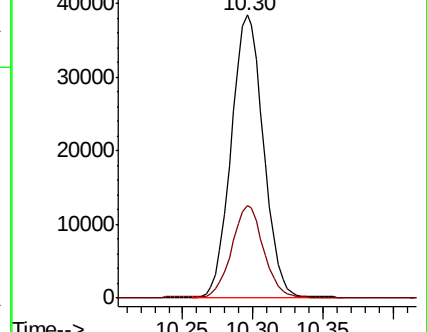
75 100

77 32.7 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV015895.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015895.D (-2851) (-)



#61

Bromoform

Concen: 10.769 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

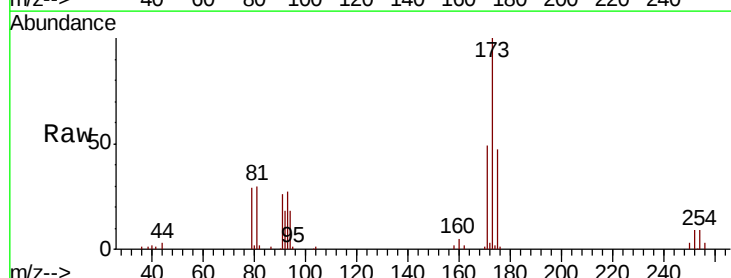
Tgt Ion: 173 Resp: 36223

Ion Ratio Lower Upper

173 100

175 47.5 39.8 59.8

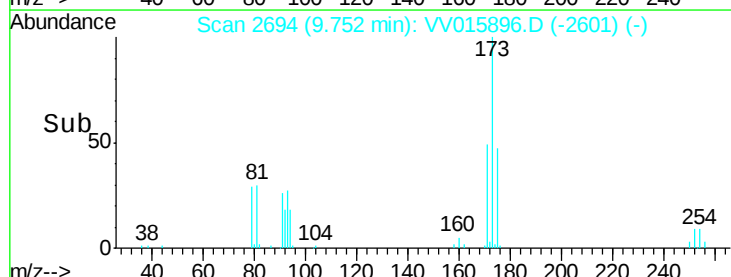
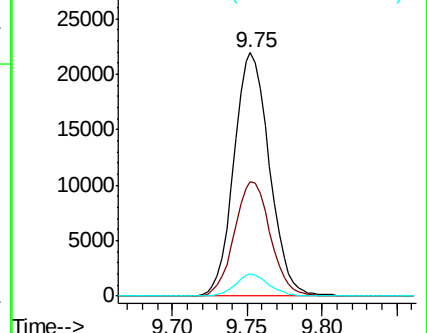
254 8.5 7.1 10.7

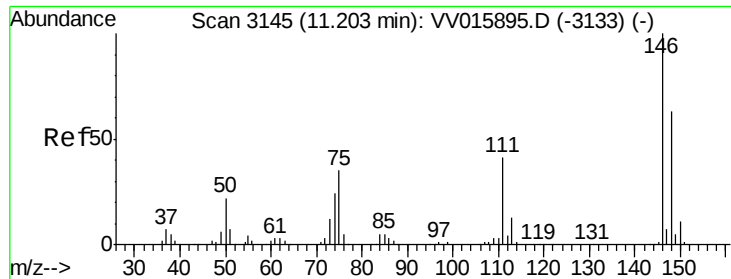


Abundance Ion 172.90 (172.60 to 173.60): VV015895.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015895.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015895.D (-2683) (-)





#62

1,3-Dichlorobenzene

Concen: 8.989 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

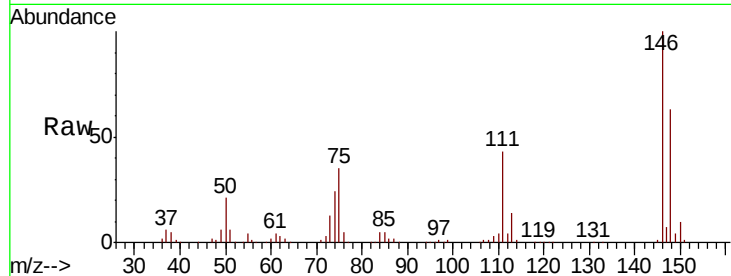
Tot Ion:146 Resp: 222425

Ion Ratio Lower Upper

146 100

111 42.6 28.7 53.3

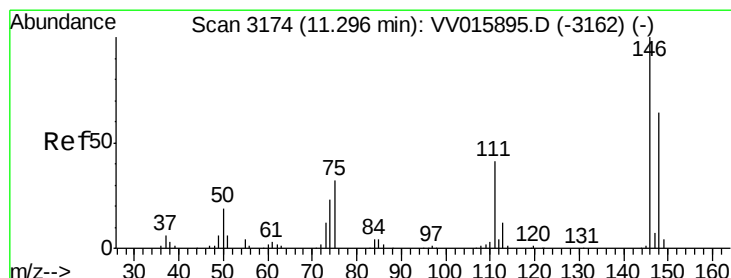
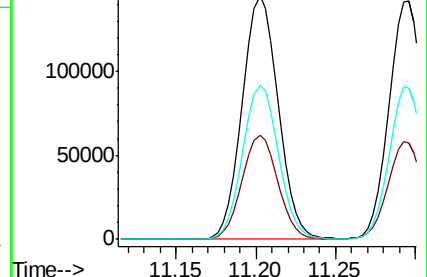
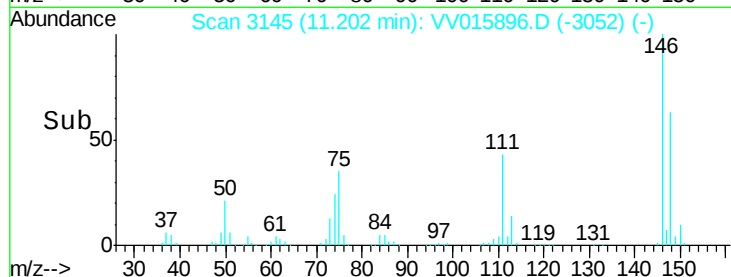
148 63.4 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 8.841 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

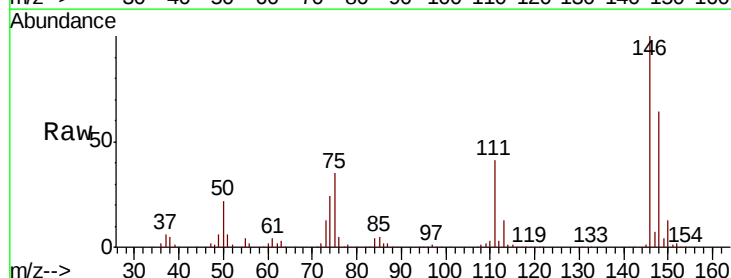
Tgt Ion:146 Resp: 220448

Ion Ratio Lower Upper

146 100

111 40.5 28.9 53.7

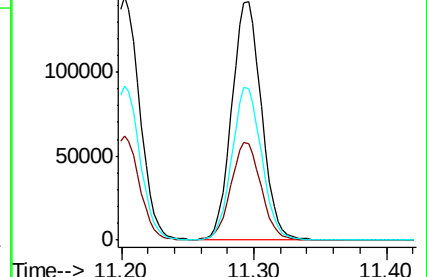
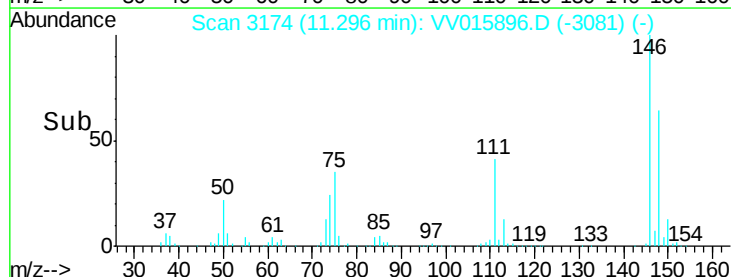
148 63.8 44.6 82.8

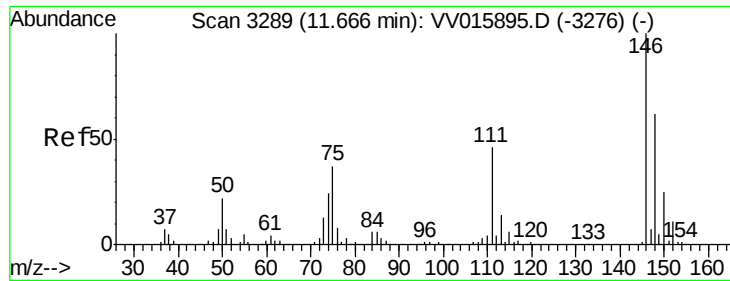


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 8.968 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

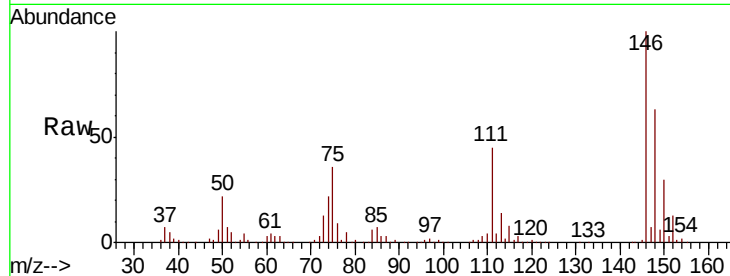
Tot Ion:146 Resp: 200408

Ion Ratio Lower Upper

146 100

111 45.2 37.0 55.4

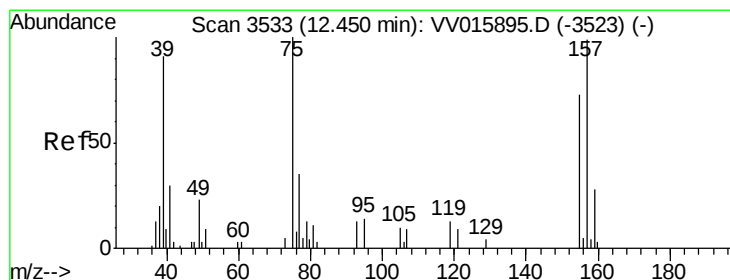
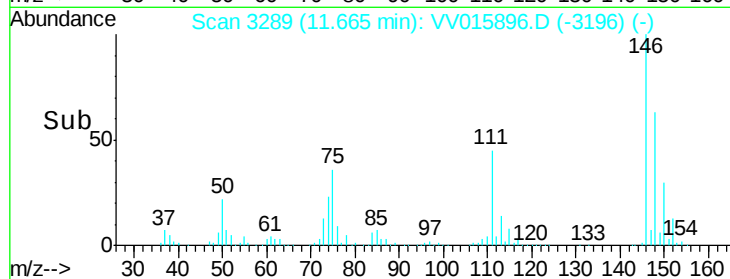
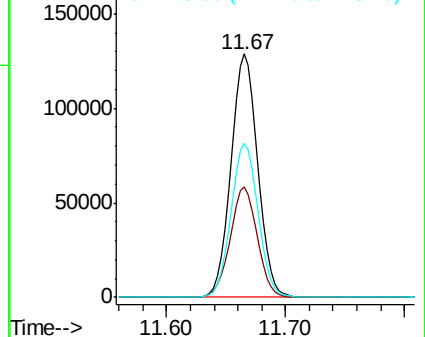
148 63.3 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 9.615 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

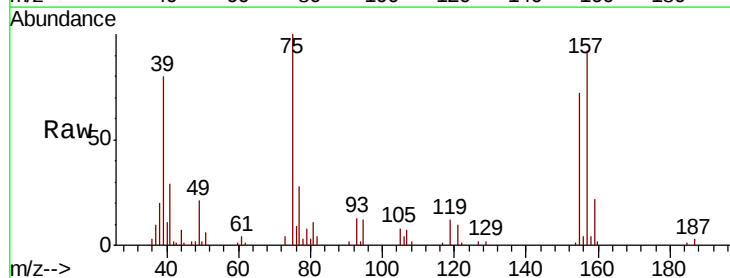
Tgt Ion: 75 Resp: 13991

Ion Ratio Lower Upper

75 100

155 72.4 58.2 87.4

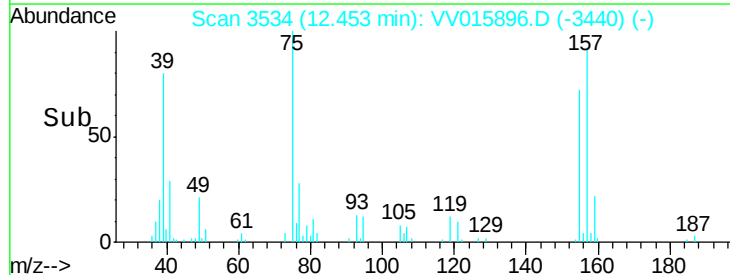
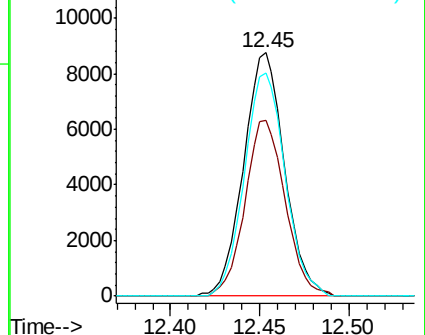
157 91.6 79.4 119.2

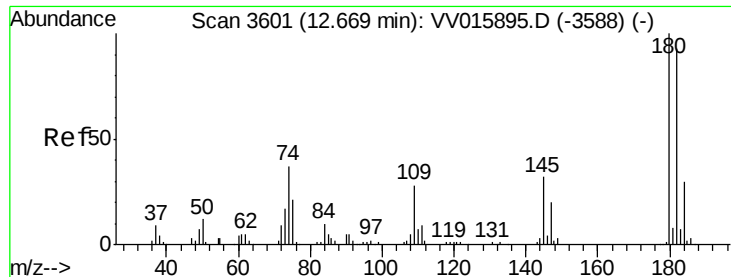


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

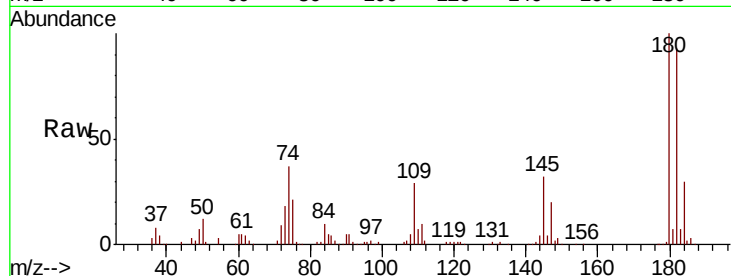




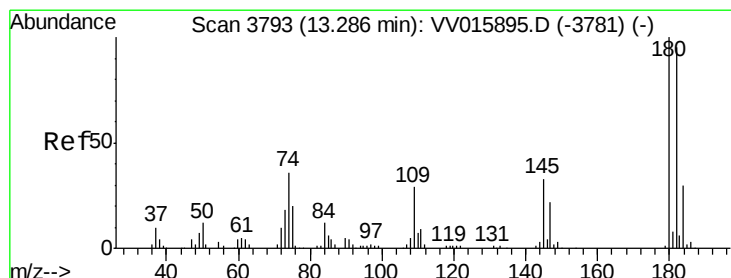
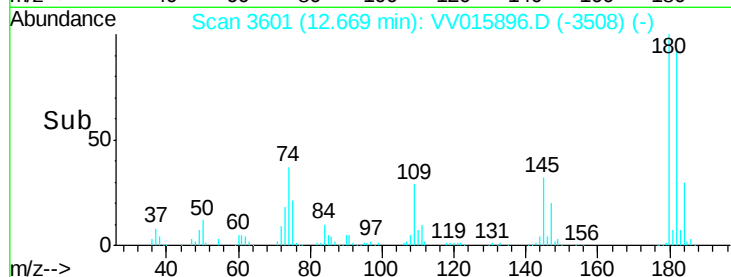
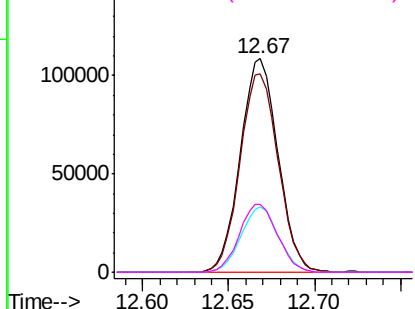
#67
 1,3,5-Trichlorobenzene
 Concen: 8.982 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015896.D
 Acq: 05 May 2020 12:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tot Ion:180 Resp: 164933
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.8 113.6
 184 30.4 24.6 36.8
 145 32.1 26.0 39.0

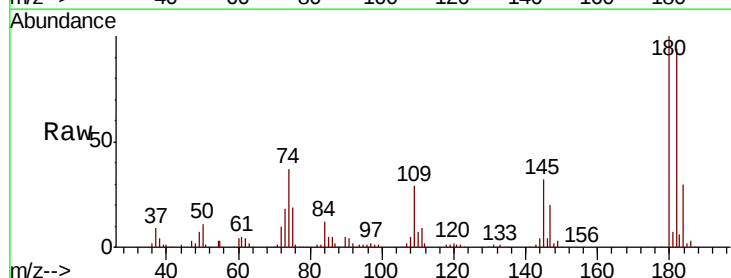


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

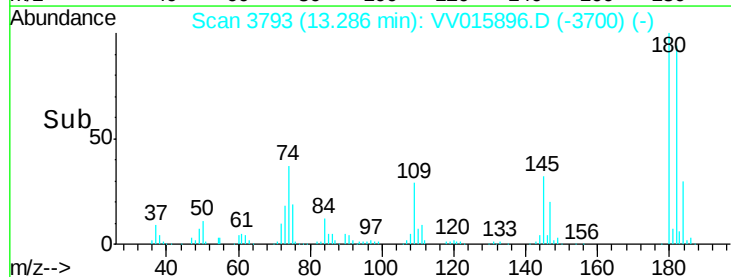
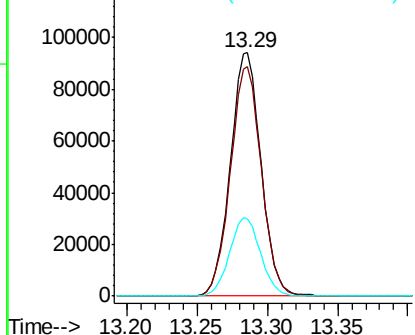


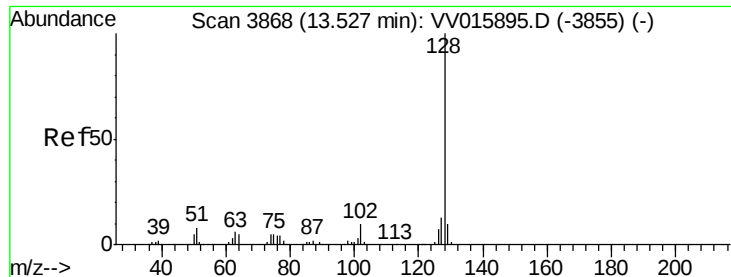
#68
 1,2,4-trichlorobenzene
 Concen: 8.621 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015896.D
 Acq: 05 May 2020 12:11

Tgt Ion:180 Resp: 143197
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.7 115.1
 145 32.6 26.4 39.6



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





#69

Naphthalene

Concen: 8.448 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

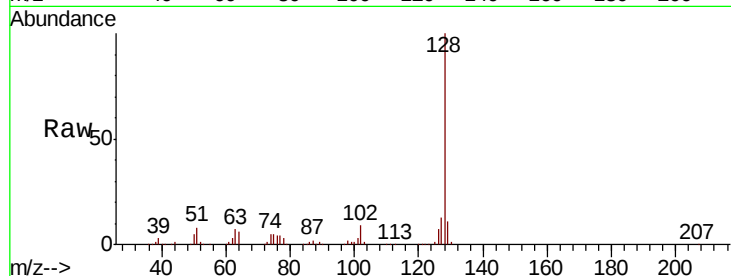
Tot Ion:128 Resp: 251851

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

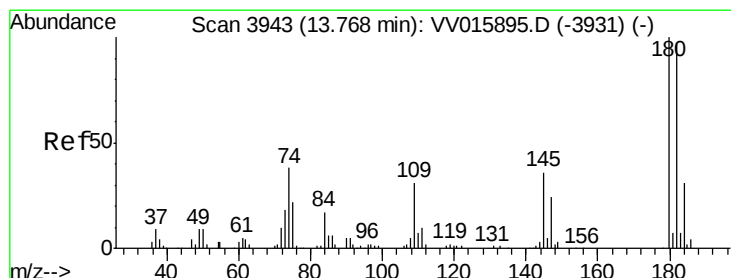
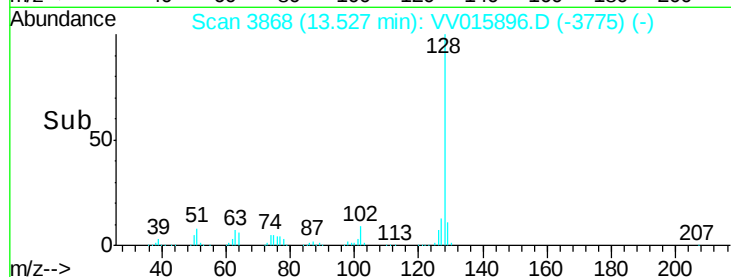
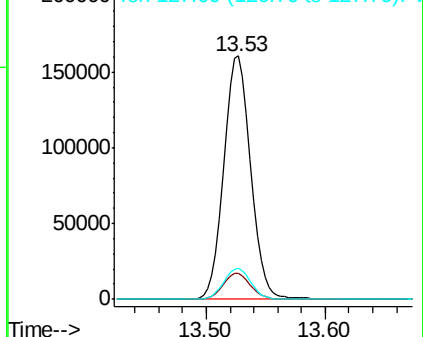
127 12.9 10.2 15.2



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: 8.694 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015896.D

Acq: 05 May 2020 12:11

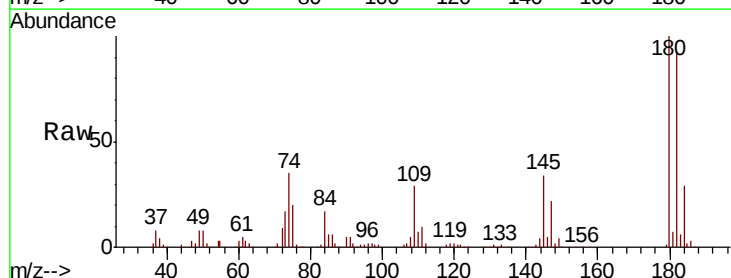
Tgt Ion:180 Resp: 128226

Ion Ratio Lower Upper

180 100

182 94.1 77.0 115.6

145 34.8 28.3 42.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

