

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110420\
 Data File : VV019237.D
 Acq On : 03 Nov 2020 15:59
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050312

Quant Time: Nov 04 07:15:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 07:03:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	246416	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	240577	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	131245	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85223	44.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.62%
7) Chloroethane-d5	1.58	69	71741	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.28%
11) 1,1-Dichloroethene-d2	2.12	63	169855	48.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.48%
21) 2-Butanone-d5	3.91	46	113915	108.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.64%
24) Chloroform-d	4.38	84	172325	48.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.84%
26) 1,2-Dichloroethane-d4	5.06	65	118488	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.56%
32) Benzene-d6	5.07	84	309912	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
36) 1,2-Dichloropropane-d6	6.09	67	93585	47.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.36%
41) Toluene-d8	7.34	98	298467	48.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.46%
43) trans-1,3-Dichloropropene-	7.64	79	55315	49.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.52%
47) 2-Hexanone-d5	8.11	63	80899	105.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.07%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	126615	47.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.82%
66) 1,2-Dichlorobenzene-d4	11.65	152	124298	47.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	74396	49.281	ug/L	99
3) Chloromethane	1.25	50	77604	49.368	ug/L	99
5) Vinyl chloride	1.32	62	84361	51.557	ug/L	99
6) Bromomethane	1.53	94	57748	52.514	ug/L	98
8) Chloroethane	1.60	64	56237	52.551	ug/L	98
9) Trichlorofluoromethane	1.77	101	139848	51.627	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	68884	53.519	ug/L	99
12) 1,1-Dichloroethene	2.13	96	67774	50.948	ug/L	91
13) Acetone	2.19	43	82768	103.794	ug/L	99
14) Carbon disulfide	2.31	76	189430	49.591	ug/L	100
15) Methyl Acetate	2.45	43	81135	52.511	ug/L	99
16) Methylene chloride	2.52	84	79639	50.361	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	71582	49.602	ug/L	97
18) Methyl tert-butyl Ether	2.78	73	262155	51.679	ug/L	99
19) 1,1-Dichloroethane	3.21	63	143758	50.842	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	82181	51.530	ug/L	98
22) 2-Butanone	3.99	43	109922	108.594	ug/L	97

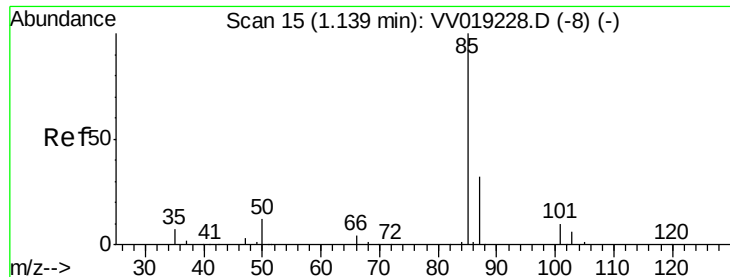
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 QLast Update : Wed Nov 04 07:03:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	44407	50.571	ug/L	97
25) Chloroform	4.40	83	151717	50.048	ug/L	98
27) 1,2-Dichloroethane	5.15	62	129283	50.171	ug/L	99
29) Cyclohexane	4.70	56	110499	53.672	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	137780	49.381	ug/L	99
31) Carbon tetrachloride	4.86	117	119915	49.775	ug/L	100
33) Benzene	5.13	78	299993	50.176	ug/L	100
34) Trichloroethene	5.94	95	80536	49.567	ug/L	99
35) Methylcyclohexane	6.15	83	102578	52.160	ug/L	99
37) 1,2-Dichloropropane	6.20	63	77338	48.469	ug/L	100
38) Bromodichloromethane	6.53	83	114833	50.007	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	130338	51.050	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	227716	106.233	ug/L	99
42) Toluene	7.41	91	332135	51.394	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	137732	52.644	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	79176	50.203	ug/L	97
46) Tetrachloroethene	8.00	164	65352	49.295	ug/L	98
48) 2-Hexanone	8.16	43	170412	105.154	ug/L	98
49) Dibromochloromethane	8.27	129	94602	50.297	ug/L	98
50) 1,2-Dibromoethane	8.37	107	81910	50.106	ug/L	97
51) Chlorobenzene	8.90	112	214855	49.702	ug/L	99
52) Ethylbenzene	9.03	91	362404	50.828	ug/L	100
53) m,p-Xylene	9.16	106	136262	51.047	ug/L	99
54) o-Xylene	9.56	106	134162	50.990	ug/L	98
55) Styrene	9.58	104	239308	51.096	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.26	83	119556	50.108	ug/L	99
59) Bromoform	9.75	173	72463	49.747	ug/L	100
60) Isopropylbenzene	9.95	105	356821	51.874	ug/L	100
61) 1,2,3-Trichloropropane	10.29	75	101150	49.608	ug/L	99
62) 1,3,5-Trimethylbenzene	10.56	105	305321	53.293	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	292518	52.180	ug/L	100
64) 1,3-Dichlorobenzene	11.20	146	178926	49.729	ug/L	99
65) 1,4-Dichlorobenzene	11.29	146	183588	49.319	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	181175	49.219	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.45	75	30176	50.729	ug/L	96
69) 1,3,5-Trichlorobenzene	12.67	180	129244	50.047	ug/L	98
70) 1,2,4-trichlorobenzene	13.28	180	122321	50.339	ug/L	99
71) Naphthalene	13.52	128	370819	54.109	ug/L	99
72) 1,2,3-Trichlorobenzene	13.76	180	125557	52.124	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.281 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

Instrument :

MSVOA_V

ClientSampleId :

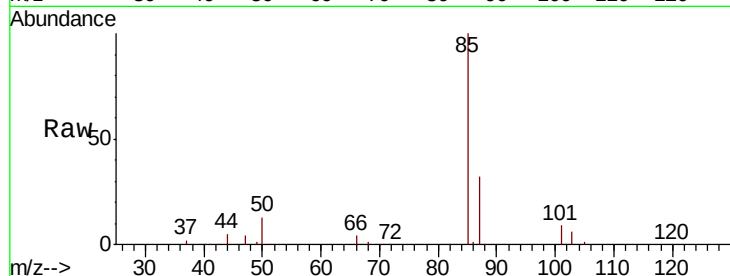
VSTD050312

Tot Ion: 85 Resp: 74396

Ion Ratio Lower Upper

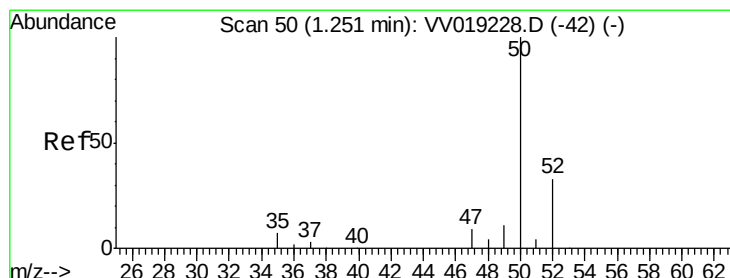
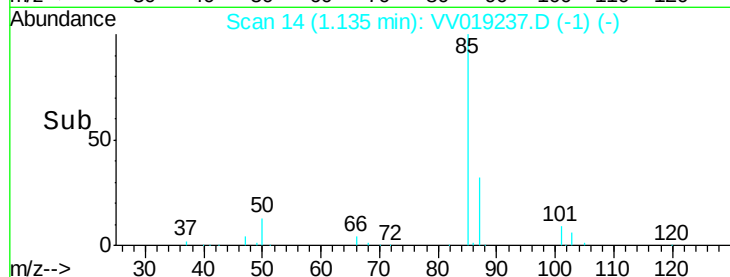
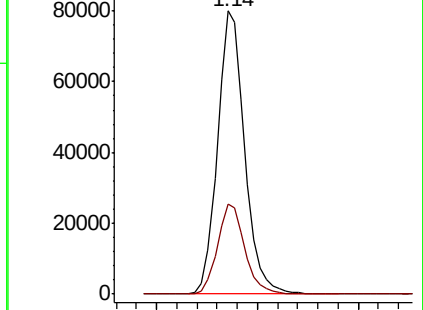
85 100

87 32.0 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV019237.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019237.D (-1) (-)



#3

Chloromethane

Concen: 49.368 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV019237.D

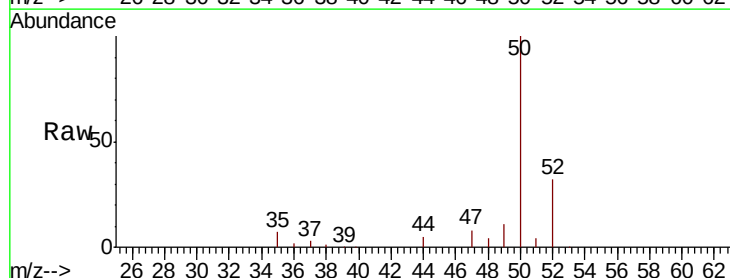
Acq: 03 Nov 2020 15:59

Tgt Ion: 50 Resp: 77604

Ion Ratio Lower Upper

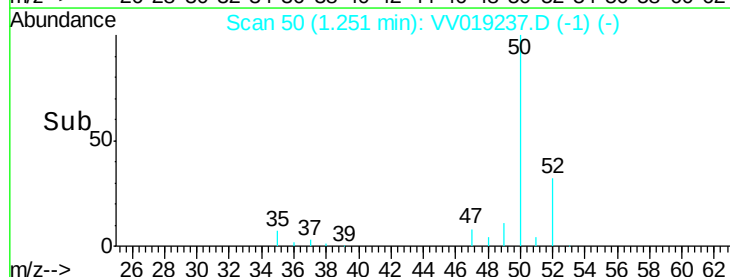
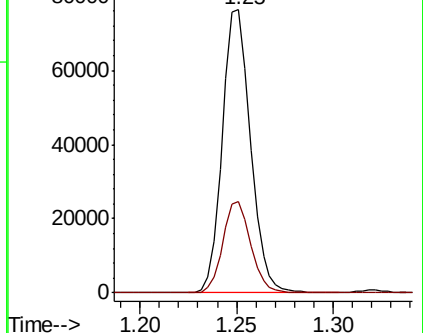
50 100

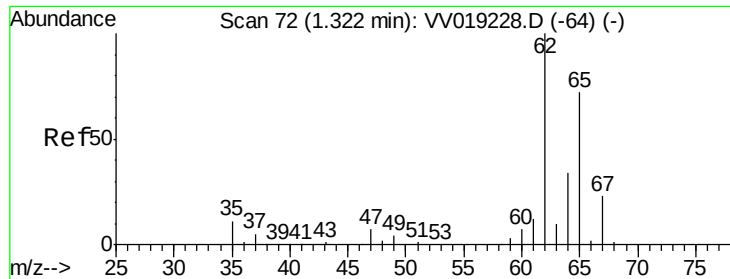
52 32.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV019237.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019237.D (-1) (-)





#5

Vinyl chloride

Concen: 51.557 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

Instrument :

MSVOA_V

ClientSampleId :

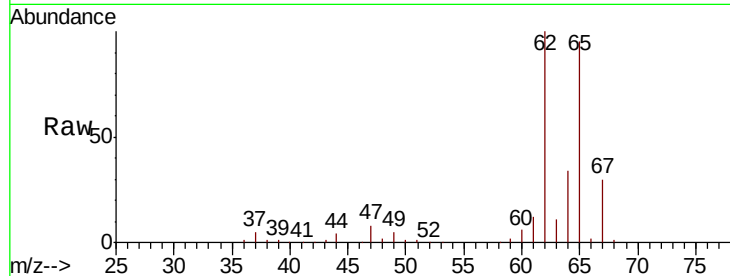
VSTD050312

Tot Ion: 62 Resp: 84361

Ion Ratio Lower Upper

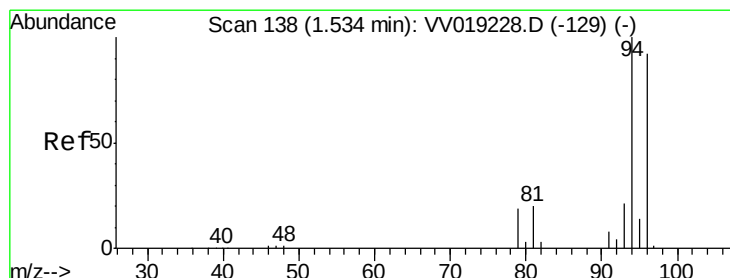
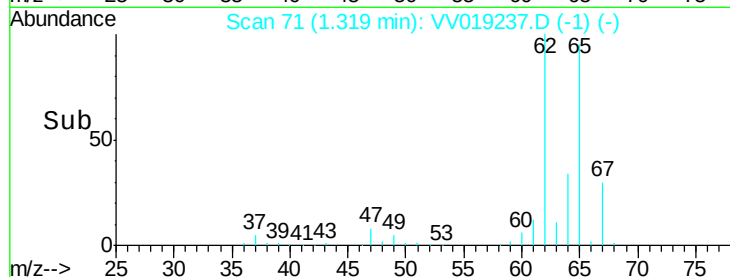
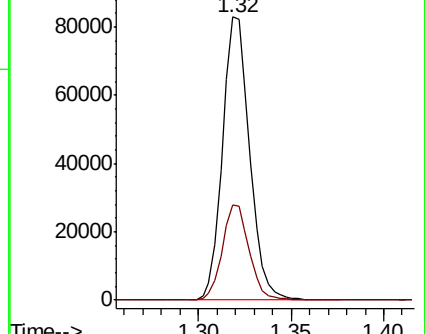
62 100

64 33.6 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 52.514 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019237.D

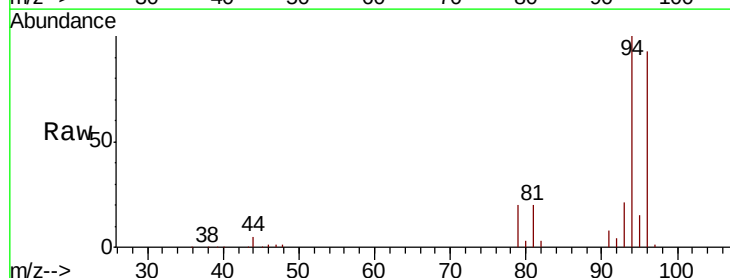
Acq: 03 Nov 2020 15:59

Tgt Ion: 94 Resp: 57748

Ion Ratio Lower Upper

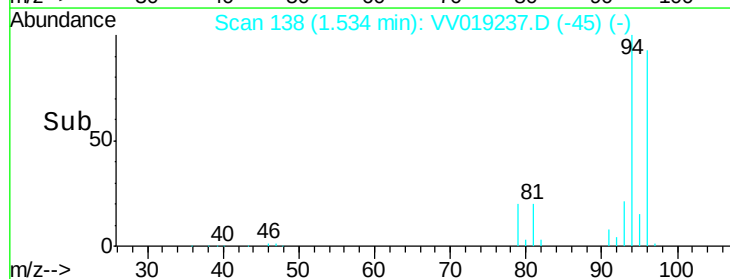
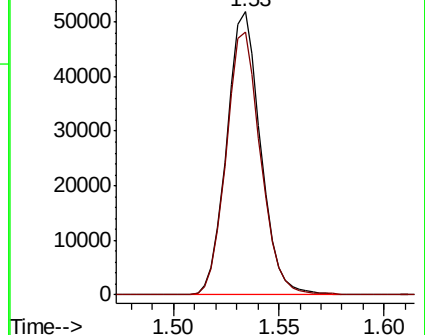
94 100

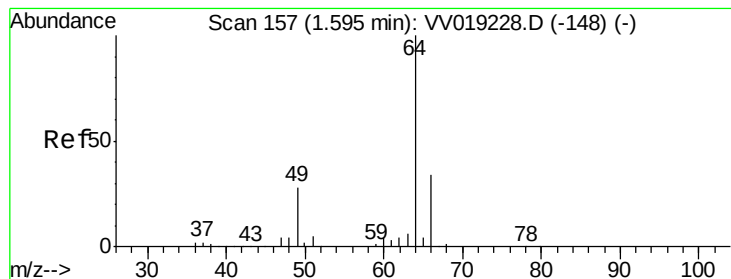
96 92.8 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 52.551 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

Instrument :

MSVOA_V

ClientSampleId :

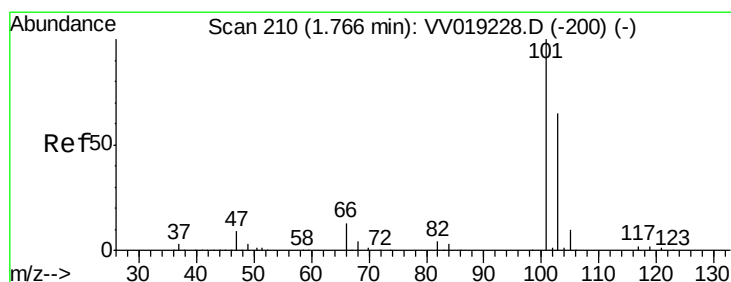
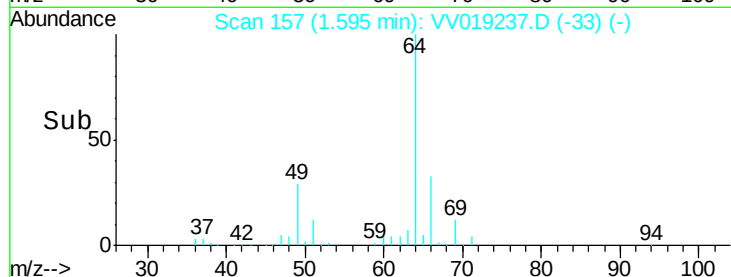
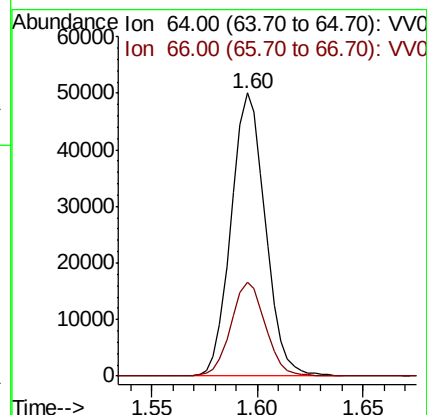
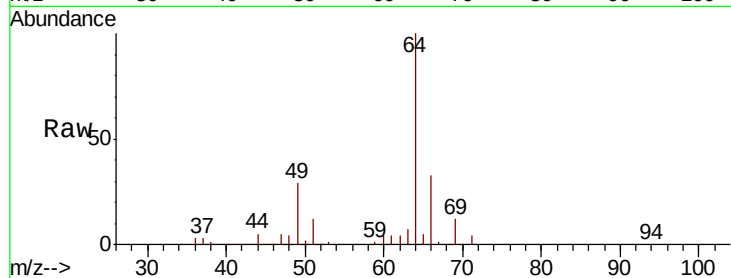
VSTD050312

Tot Ion: 64 Resp: 56237

Ion Ratio Lower Upper

64 100

66 33.3 22.5 41.9



#9

Trichlorofluoromethane

Concen: 51.627 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV019237.D

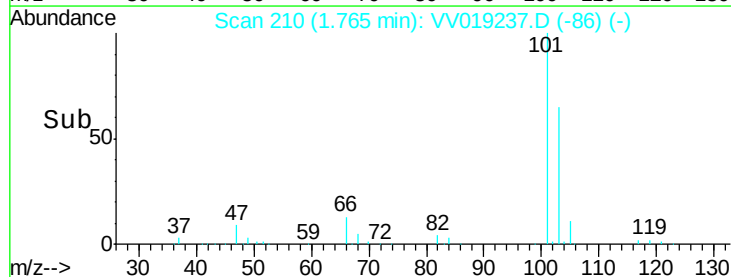
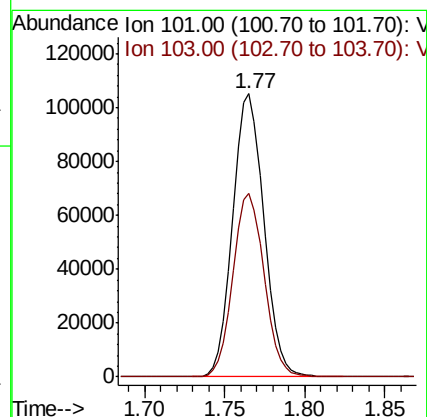
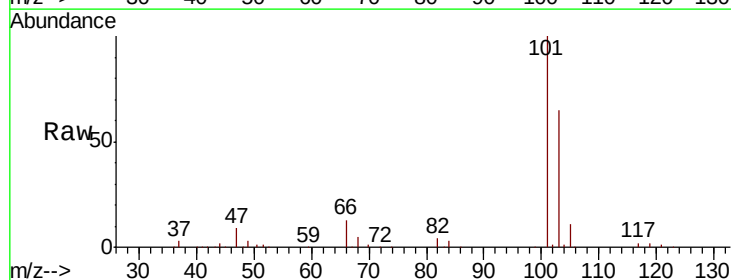
Acq: 03 Nov 2020 15:59

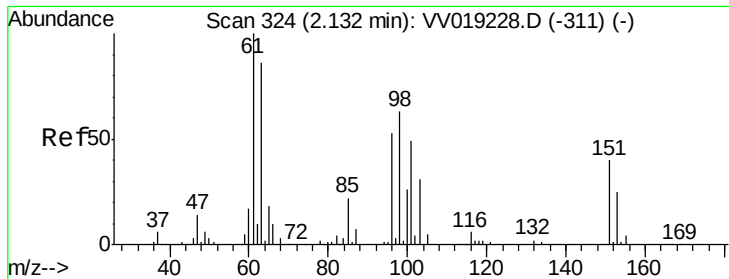
Tgt Ion: 101 Resp: 139848

Ion Ratio Lower Upper

101 100

103 64.8 52.3 78.5





#10

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

Concen: 53.519 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD050312

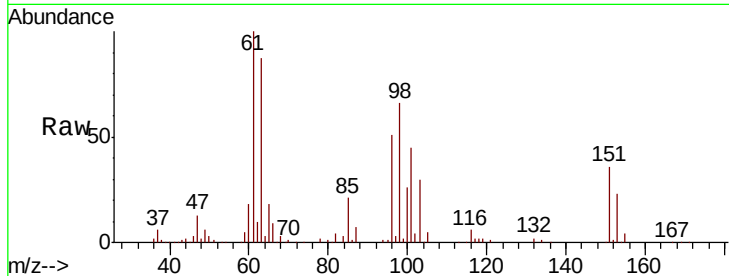
Tot Ion:101 Resp: 68884

Ion Ratio Lower Upper

101 100

85 45.7 35.6 53.4

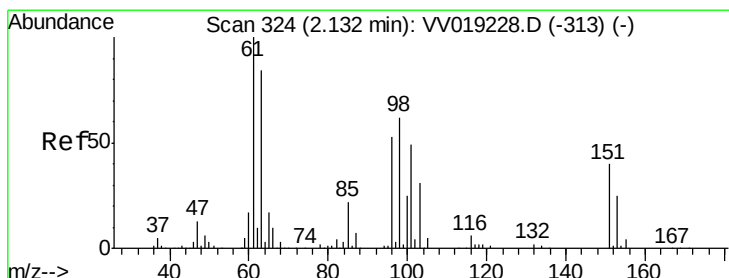
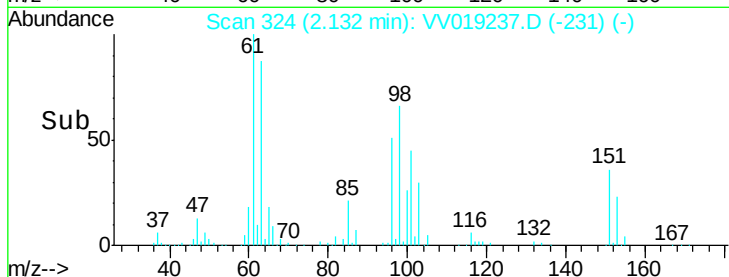
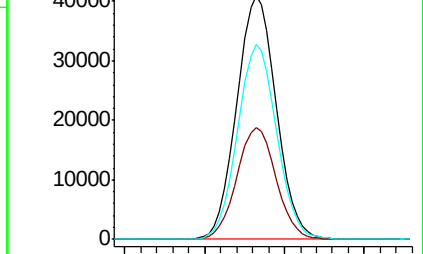
151 79.3 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): VV019228.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV019228.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV019228.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 50.948 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

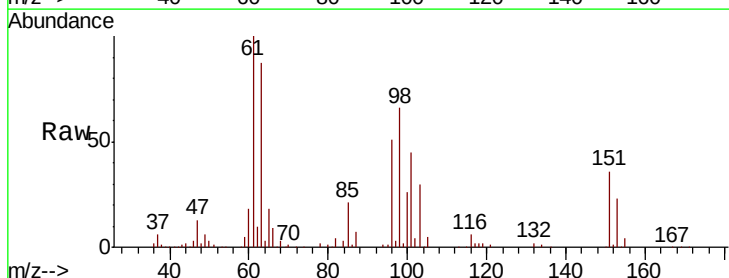
Tgt Ion: 96 Resp: 67774

Ion Ratio Lower Upper

96 100

61 194.4 133.6 248.0

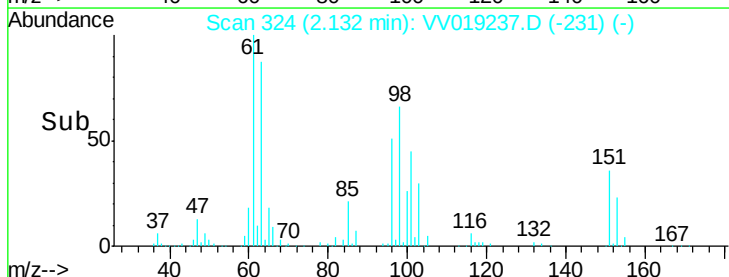
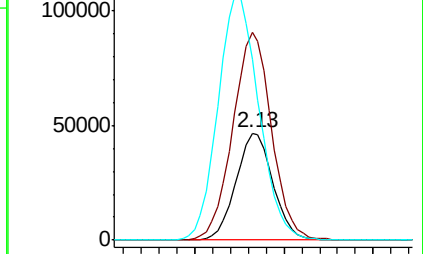
63 168.7 103.0 191.2

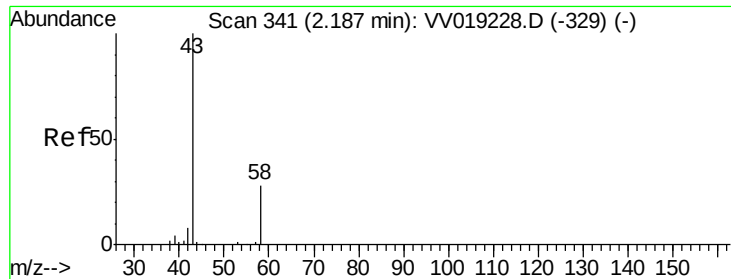


Abundance Ion 96.00 (95.70 to 96.70): VV019228.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV019228.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV019228.D (-313) (-)





#13

Acetone

Concen: 103.794 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

Instrument :

MSVOA_V

ClientSampleId :

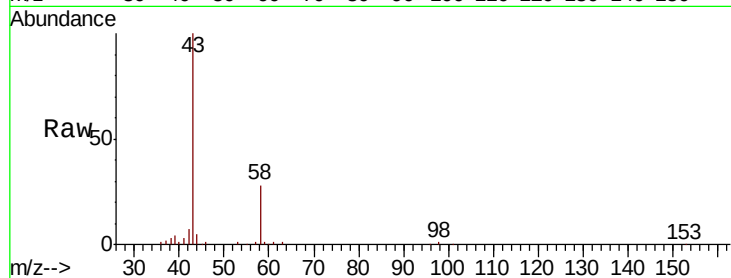
VSTD050312

Tot Ion: 43 Resp: 82768

Ion Ratio Lower Upper

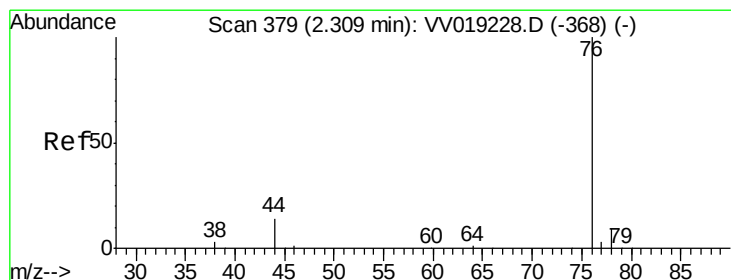
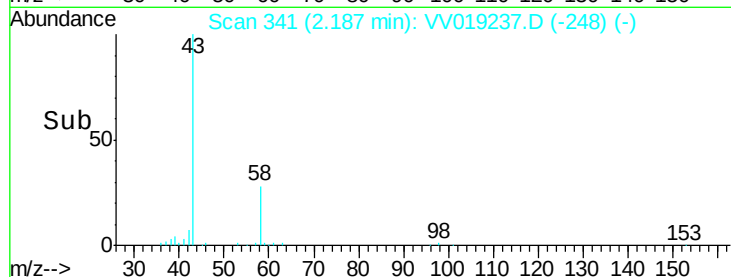
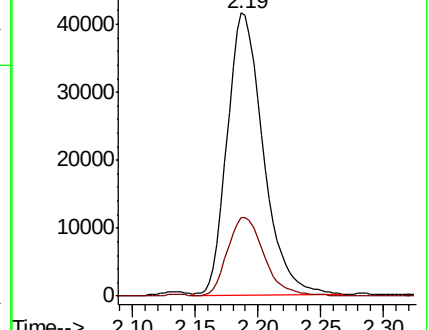
43 100

58 28.6 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV019228.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV019228.D (-329) (-)



#14

Carbon disulfide

Concen: 49.591 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019237.D

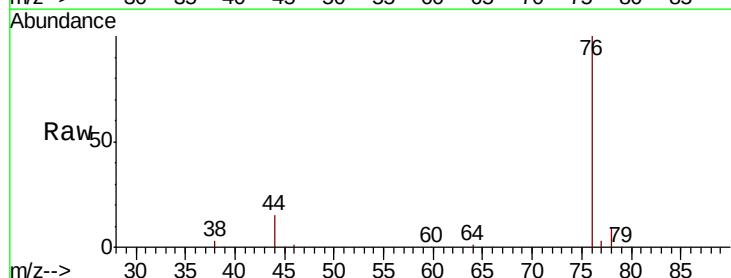
Acq: 03 Nov 2020 15:59

Tgt Ion: 76 Resp: 189430

Ion Ratio Lower Upper

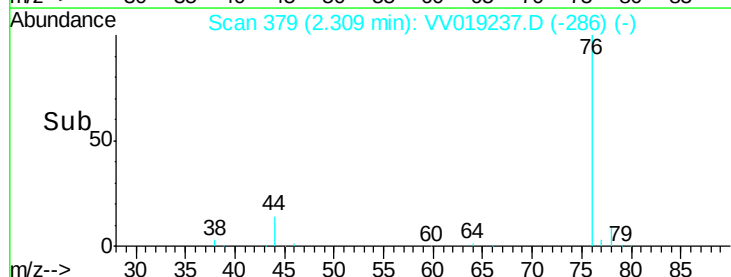
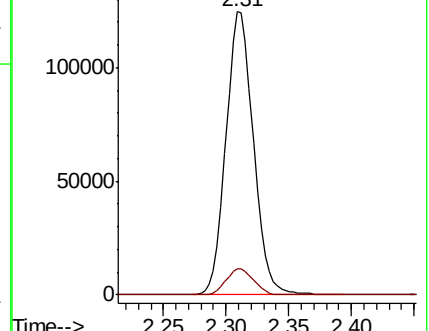
76 100

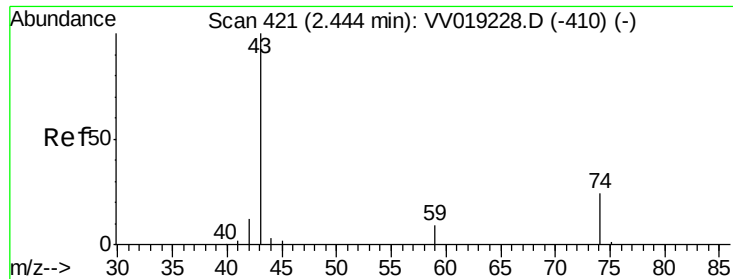
78 9.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019228.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV019228.D (-368) (-)

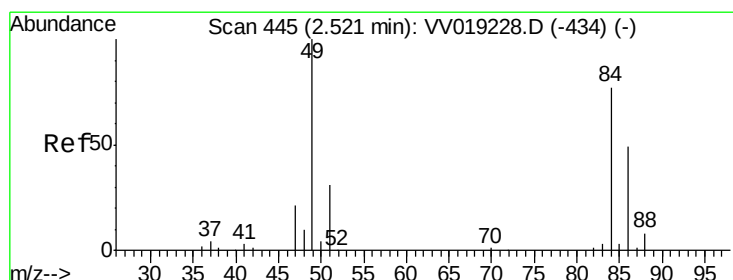
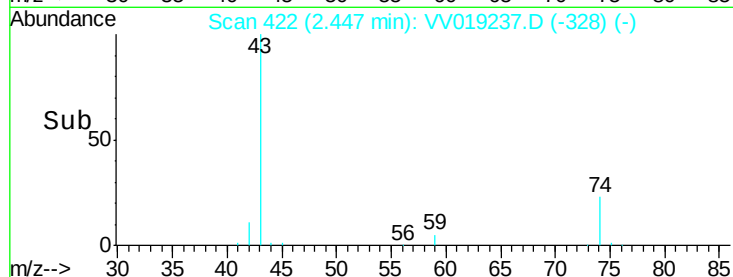
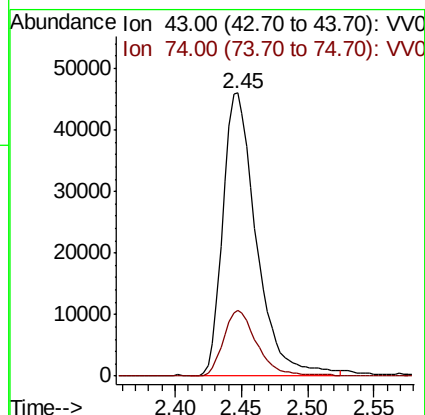
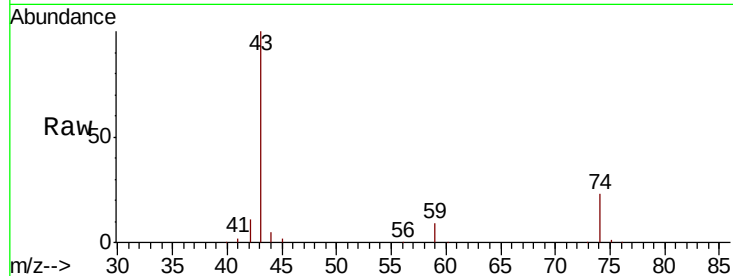




#15
Methvl Acetate
Concen: 52.511 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

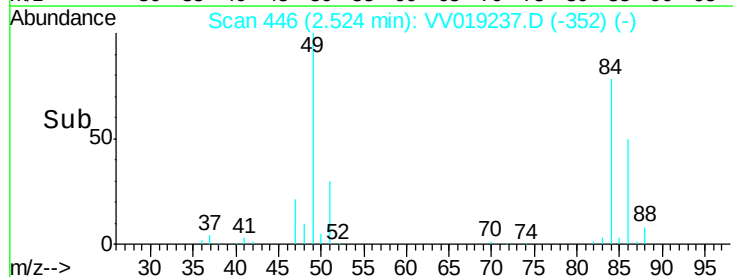
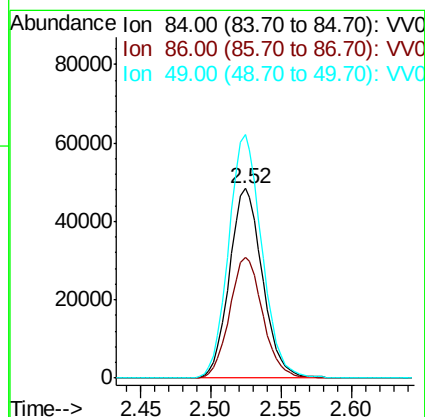
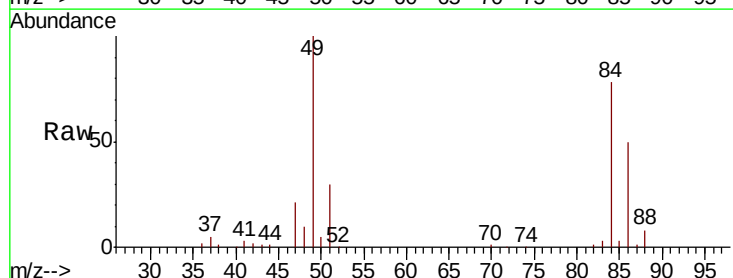
Instrument :
MSVOA_V
ClientSampleId :
VSTD050312

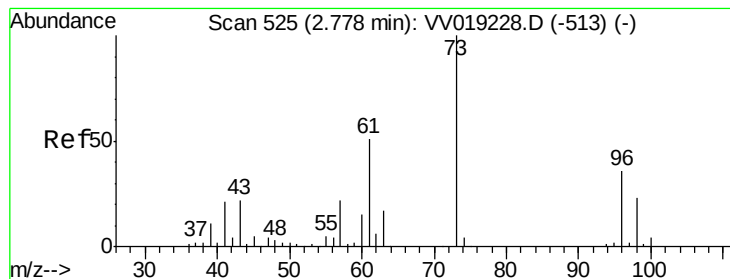
Tot Ion: 43 Resp: 81135
Ion Ratio Lower Upper
43 100
74 23.0 18.8 28.2



#16
Methylene chloride
Concen: 50.361 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

Tgt Ion: 84 Resp: 79639
Ion Ratio Lower Upper
84 100
86 63.5 45.6 84.8
49 128.3 89.3 165.9





#17

trans-1,2-Dichloroethene

Concen: 49.602 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD050312

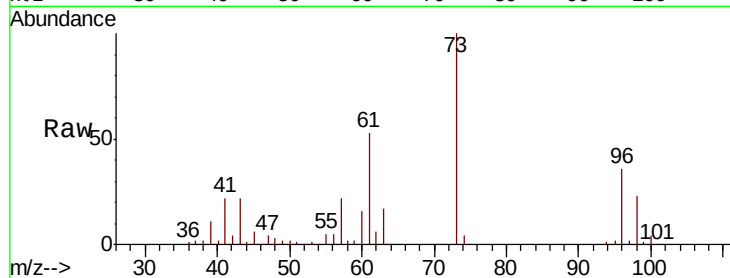
Tot Ion: 96 Resp: 71582

Ion Ratio Lower Upper

96 100

61 146.9 100.7 187.1

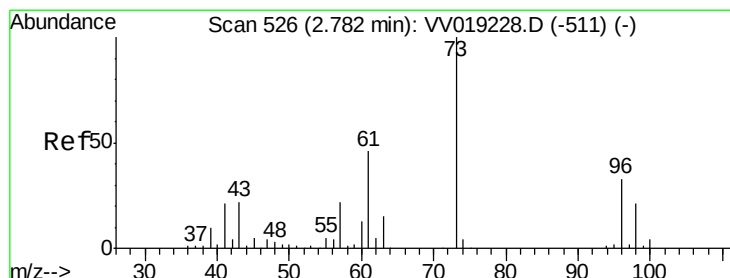
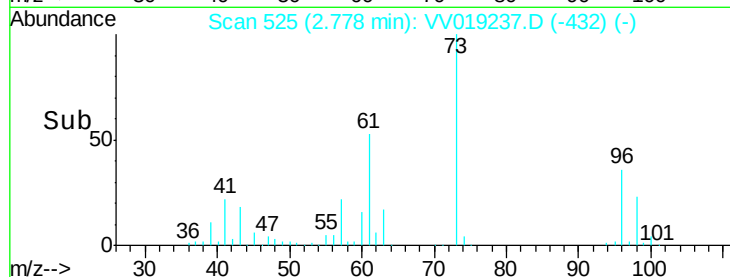
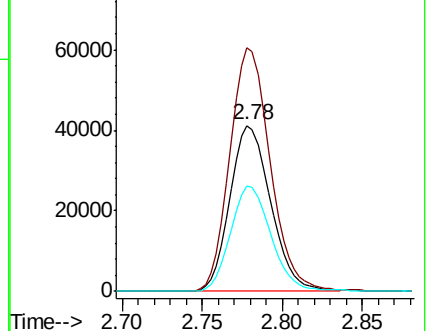
98 63.5 42.9 79.7



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



#18

Methyl tert-butyl Ether

Concen: 51.679 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

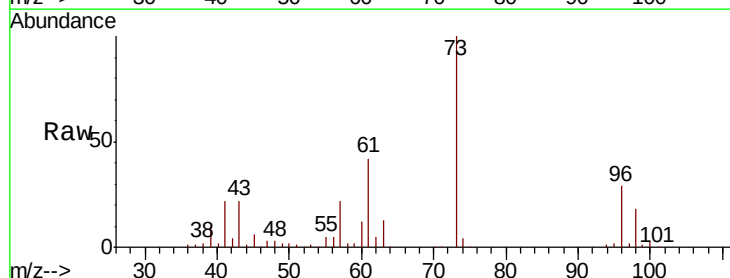
Tgt Ion: 73 Resp: 262155

Ion Ratio Lower Upper

73 100

43 21.6 17.9 26.9

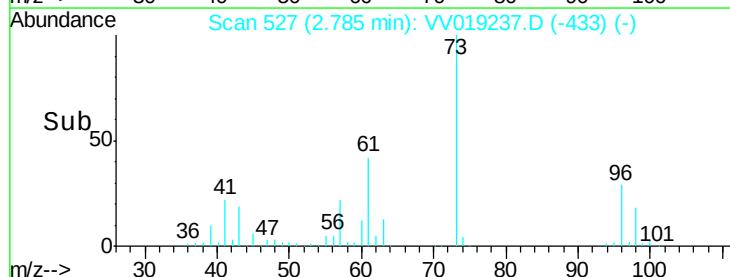
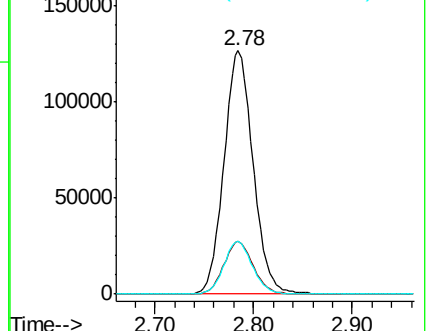
57 21.3 17.1 25.7

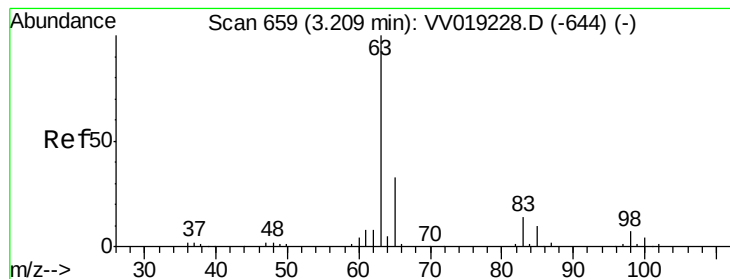


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 50.842 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD050312

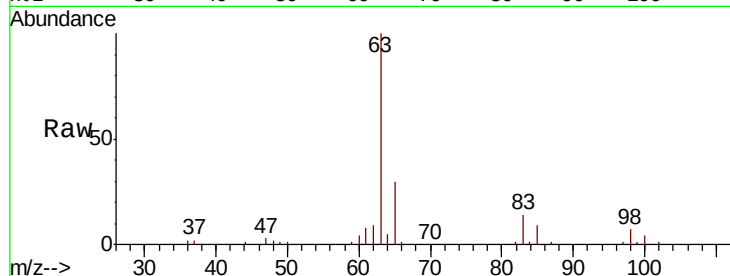
Tot Ion: 63 Resp: 143758

Ion Ratio Lower Upper

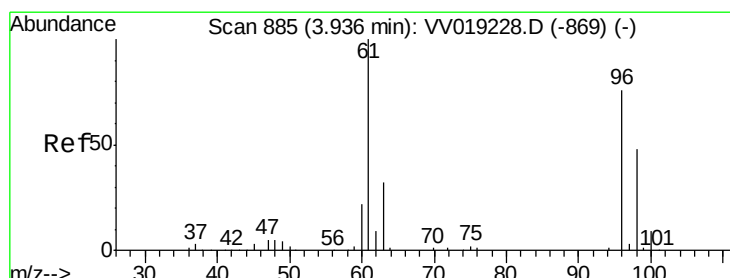
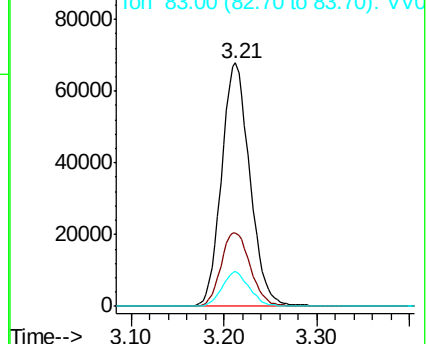
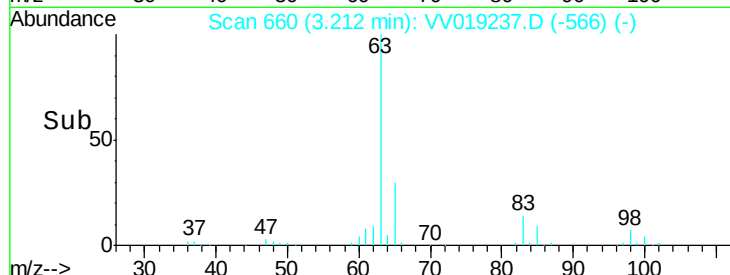
63 100

65 30.3 21.8 40.6

83 14.2 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VV019237.D (-566) (-)



#20

cis-1,2-Dichloroethene

Concen: 51.530 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

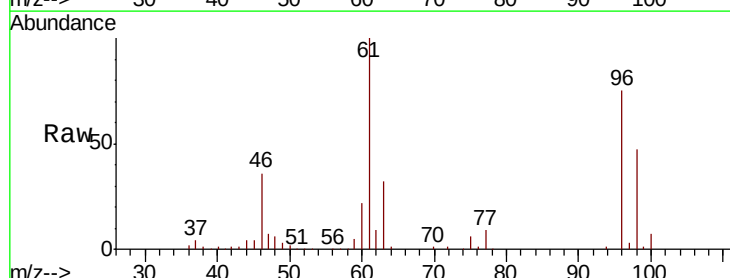
Tgt Ion: 96 Resp: 82181

Ion Ratio Lower Upper

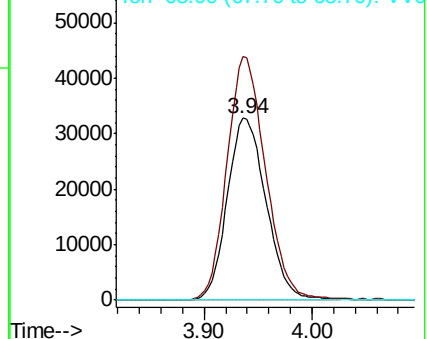
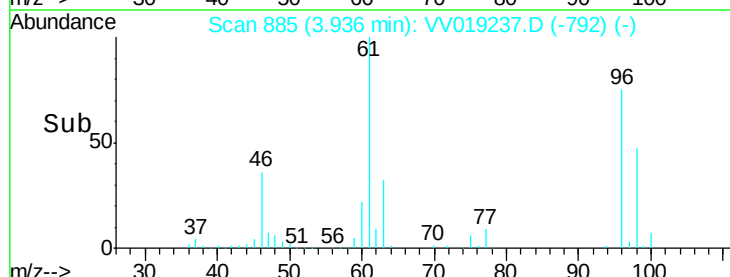
96 100

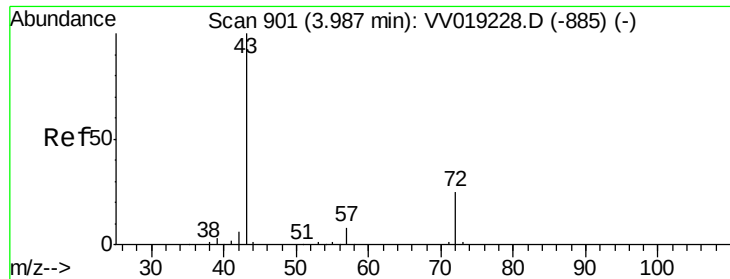
61 133.9 95.6 177.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV019237.D (-792) (-)





#22

2-Butanone

Concen: 108.594 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

Instrument :

MSVOA_V

ClientSampleId :

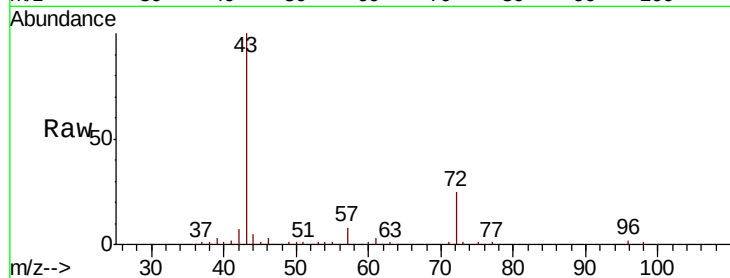
VSTD050312

Tot Ion: 43 Resp: 109922

Ion Ratio Lower Upper

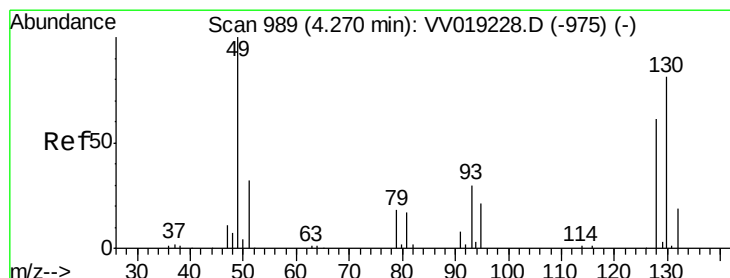
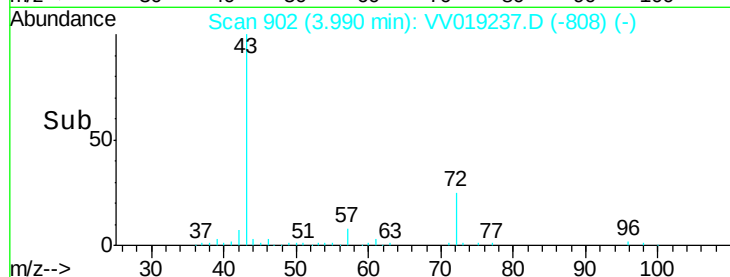
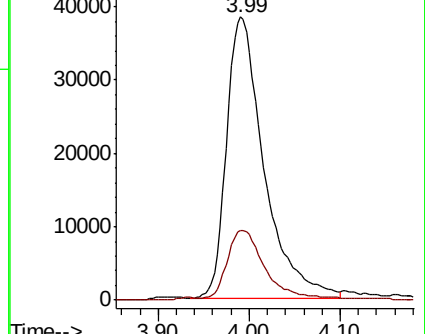
43 100

72 23.8 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV019228.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV019228.D (-885) (-)



#23

Bromochloromethane

Concen: 50.571 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

Tgt Ion:128 Resp: 44407

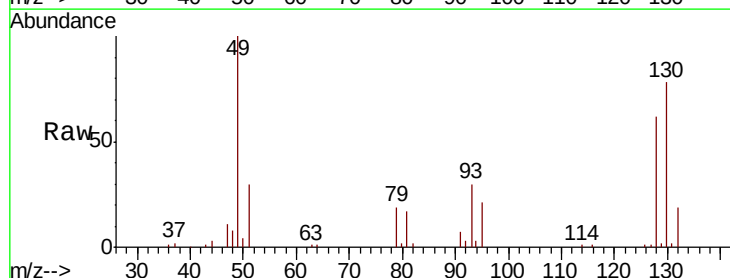
Ion Ratio Lower Upper

128 100

49 162.1 108.8 202.2

130 125.8 88.5 164.3

51 49.3 37.8 56.6

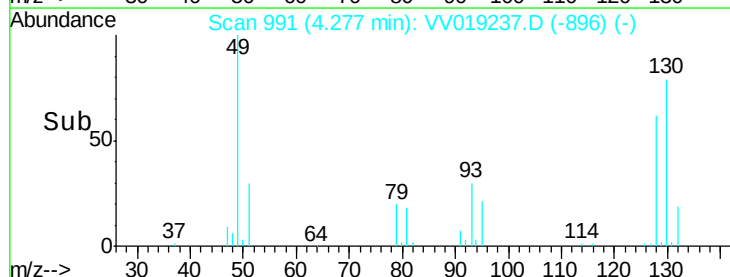
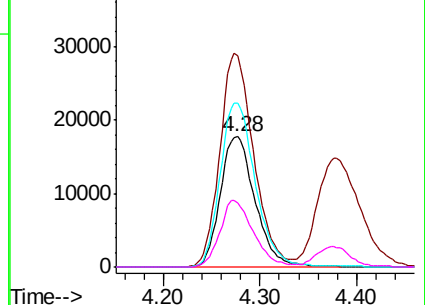


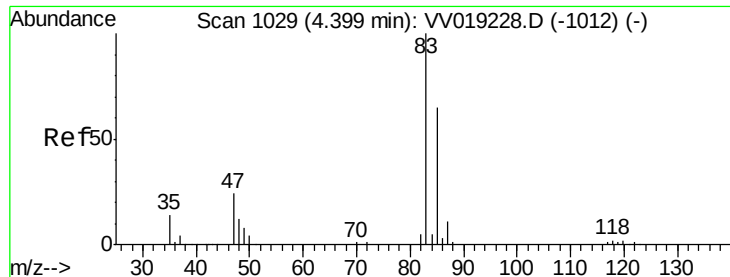
Abundance Ion 128.00 (127.70 to 128.70): VV019228.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV019228.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV019228.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV019228.D (-975) (-)

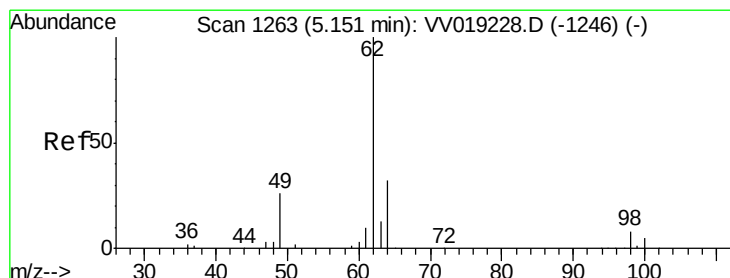
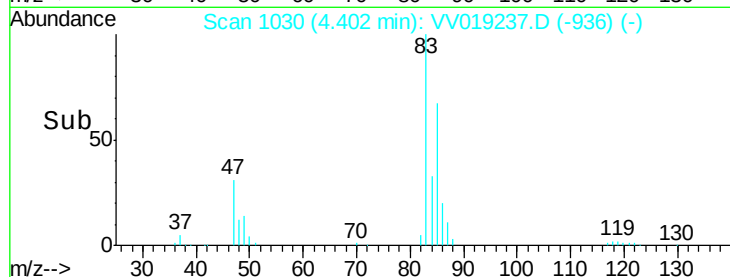
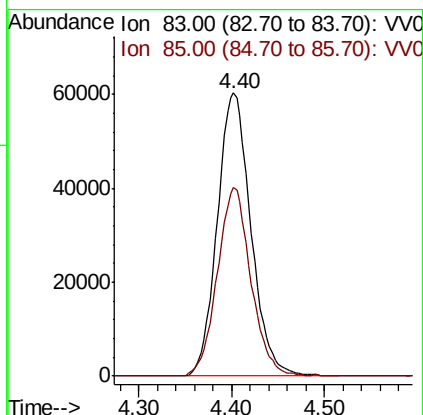
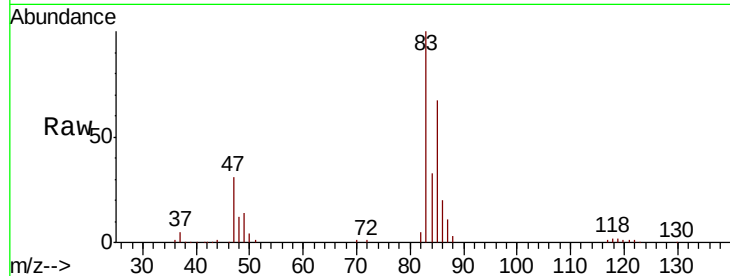




#25
Chloroform
Concen: 50.048 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

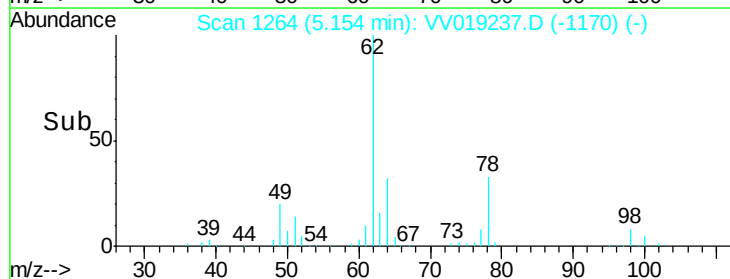
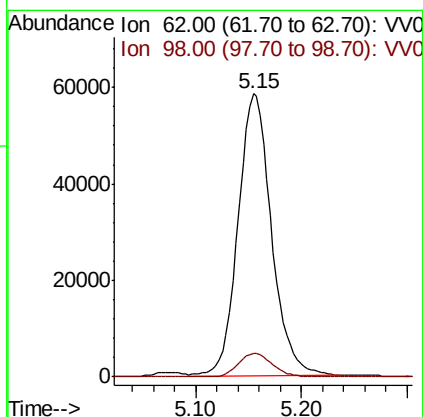
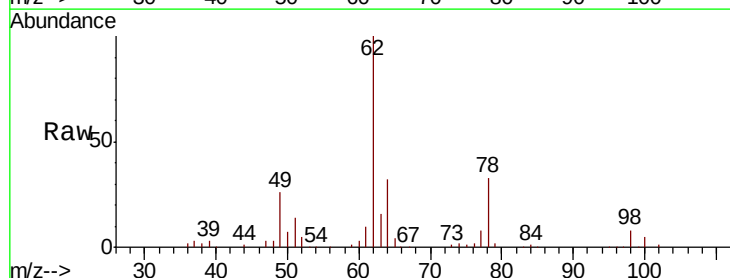
Instrument :
MSVOA_V
ClientSampleId :
VSTD050312

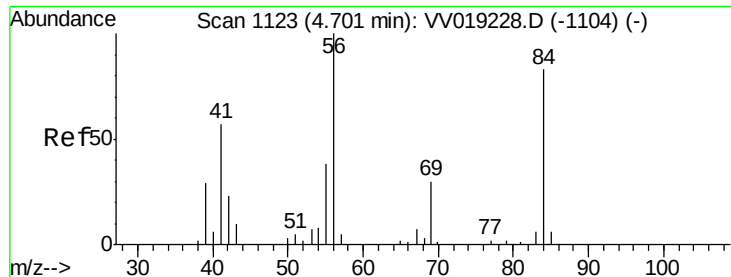
Tot Ion: 83 Resp: 151717
Ion Ratio Lower Upper
83 100
85 66.5 45.4 84.4



#27
1,2-Dichloroethane
Concen: 50.171 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

Tgt Ion: 62 Resp: 129283
Ion Ratio Lower Upper
62 100
98 8.3 6.8 10.2

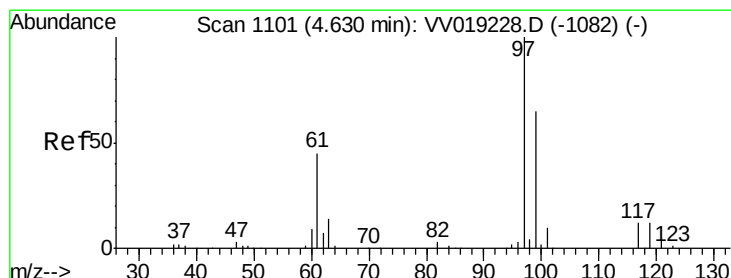
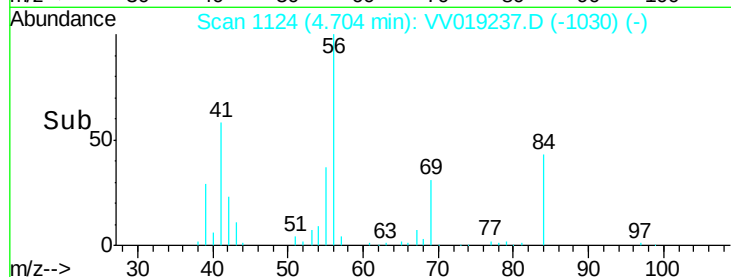
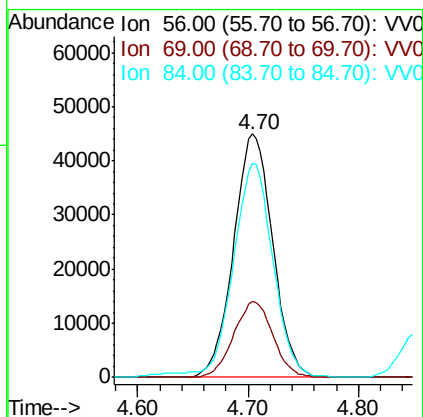
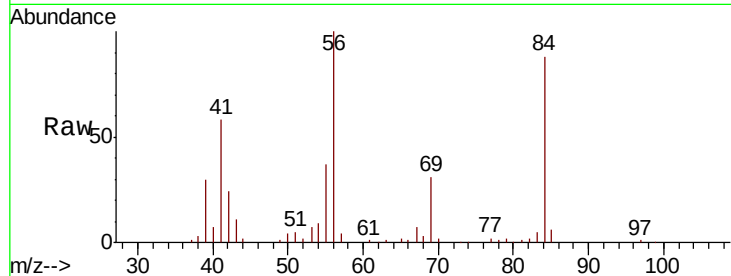




#29
Cyclohexane
Concen: 53.672 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

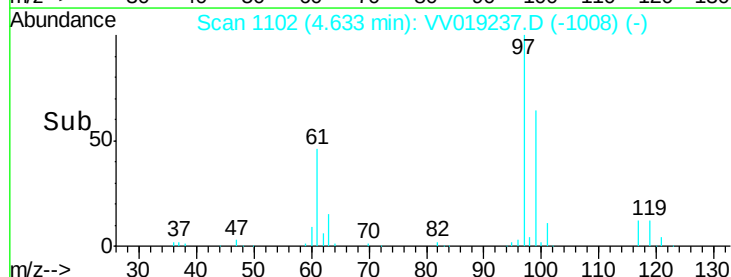
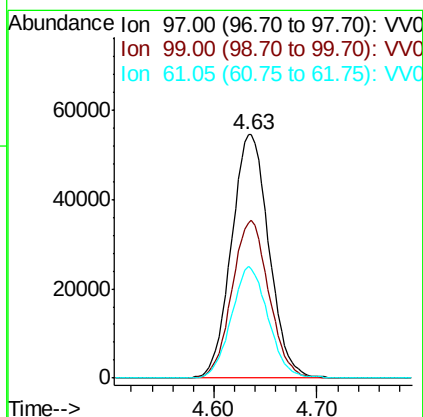
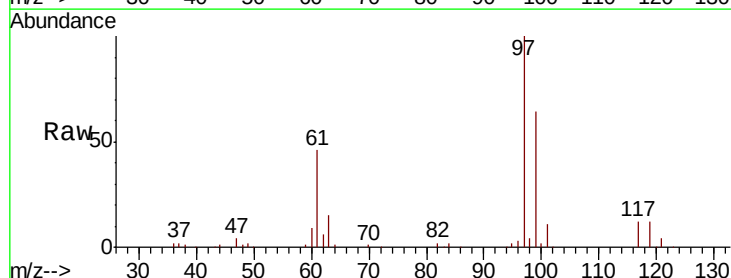
Instrument :
MSVOA_V
ClientSampleId :
VSTD050312

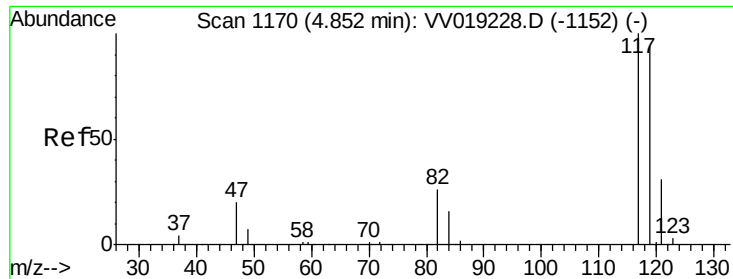
Tot Ion: 56 Resp: 110499
Ion Ratio Lower Upper
56 100
69 31.2 24.6 36.8
84 86.8 70.5 105.7



#30
1,1,1-Trichloroethane
Concen: 49.381 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

Tgt Ion: 97 Resp: 137780
Ion Ratio Lower Upper
97 100
99 63.9 52.0 78.0
61 45.1 35.3 52.9

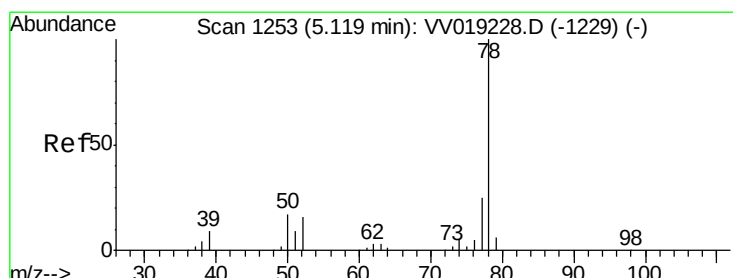
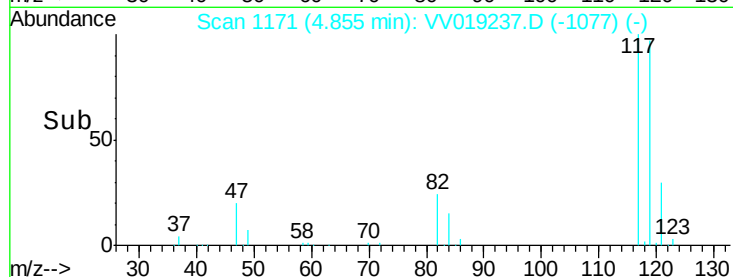
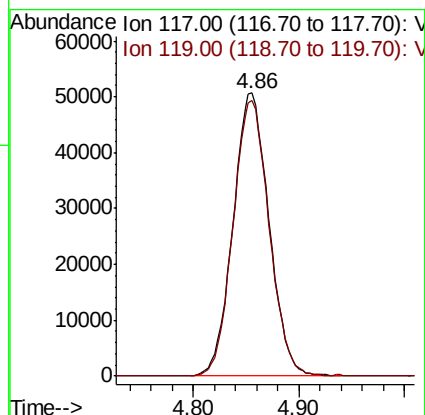
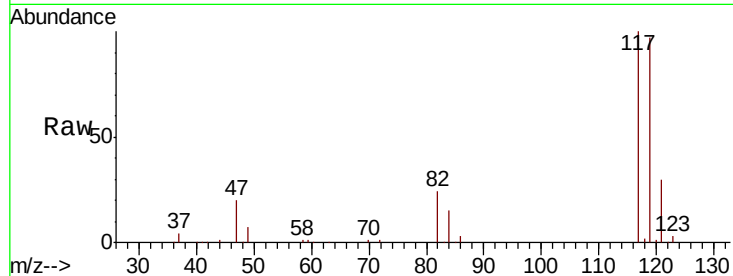




#31
Carbon tetrachloride
Concen: 49.775 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

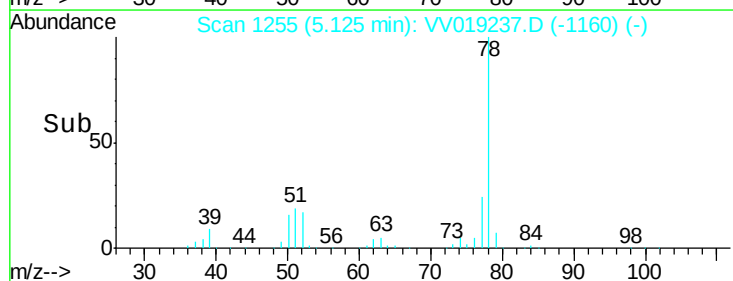
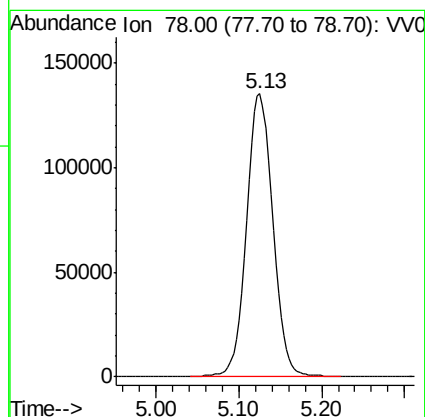
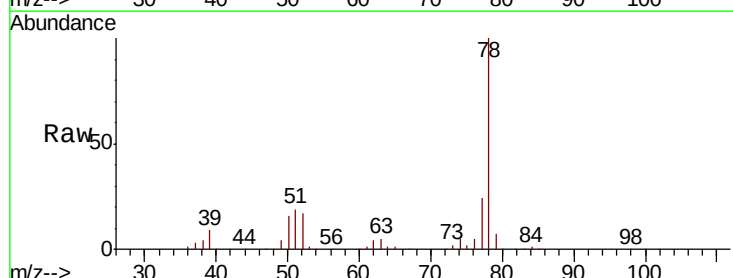
Instrument :
MSVOA_V
ClientSampleId :
VSTD050312

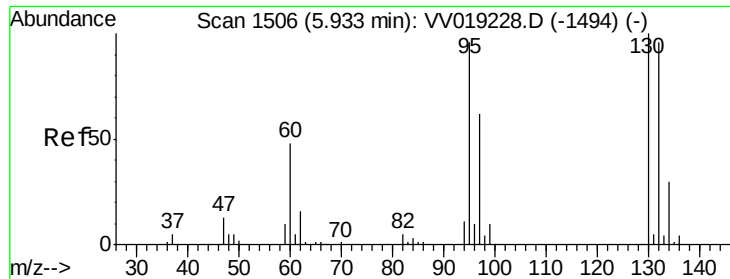
Tot Ion:117 Resp: 119915
Ion Ratio Lower Upper
117 100
119 97.4 77.8 116.6



#33
Benzene
Concen: 50.176 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

Tgt Ion: 78 Resp: 299993

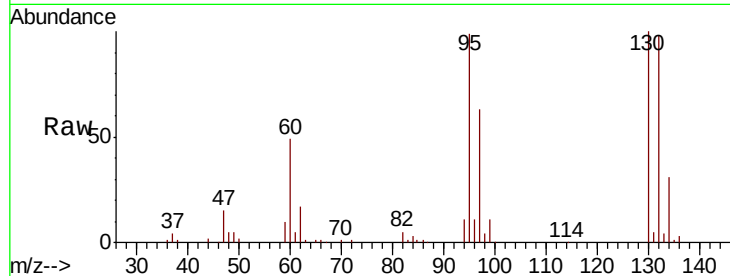




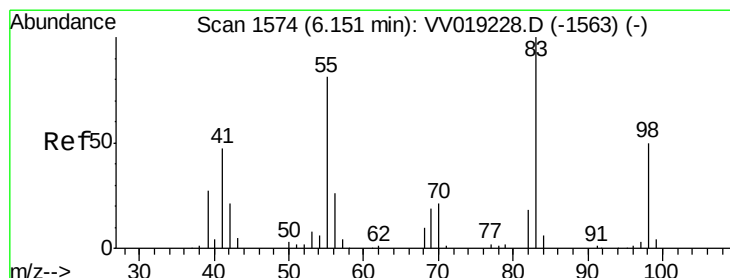
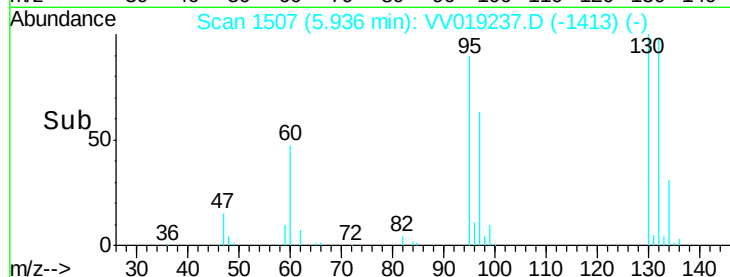
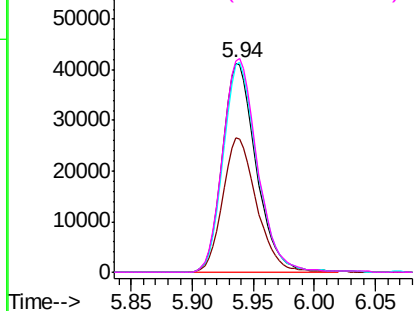
#34
 Trichloroethene
 Concen: 49.567 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV019237.D
 Acq: 03 Nov 2020 15:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050312

Tot Ion: 95 Resp: 80536
 Ion Ratio Lower Upper
 95 100
 97 64.0 45.4 84.4
 132 99.2 68.5 127.3
 130 101.3 72.0 133.6

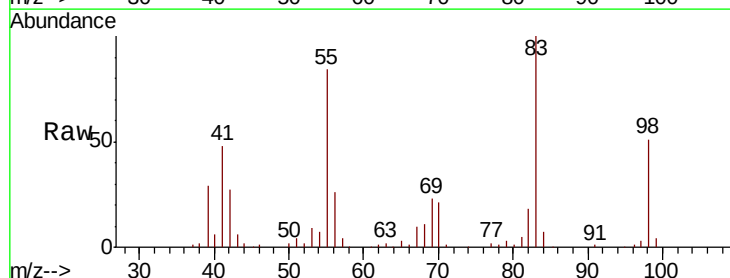


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

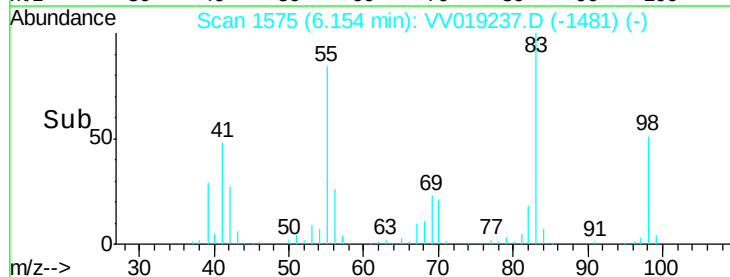
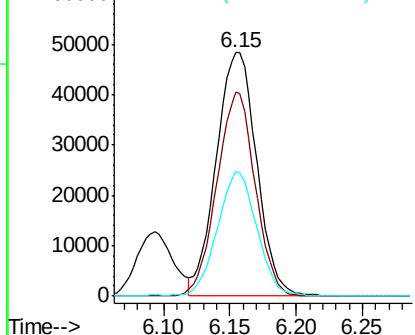


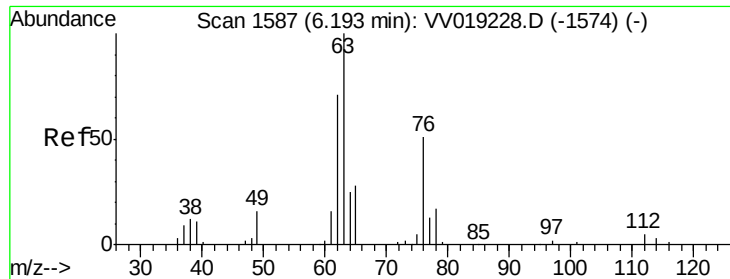
#35
 Methylcyclohexane
 Concen: 52.160 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV019237.D
 Acq: 03 Nov 2020 15:59

Tgt Ion: 83 Resp: 102578
 Ion Ratio Lower Upper
 83 100
 55 79.3 62.8 94.2
 98 49.7 38.6 58.0



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

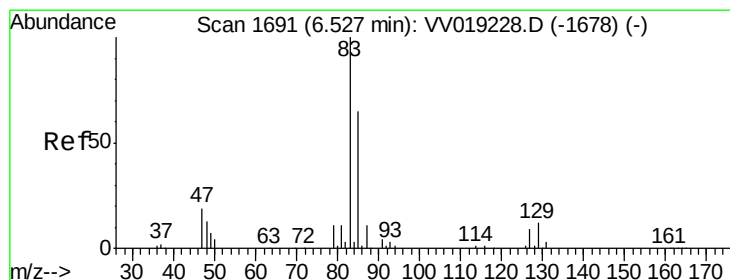
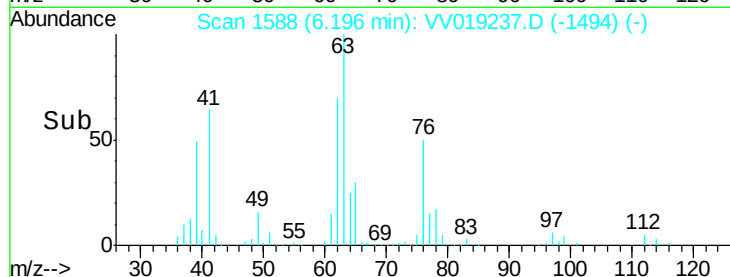
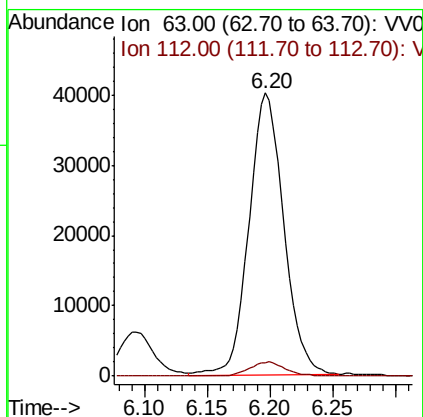
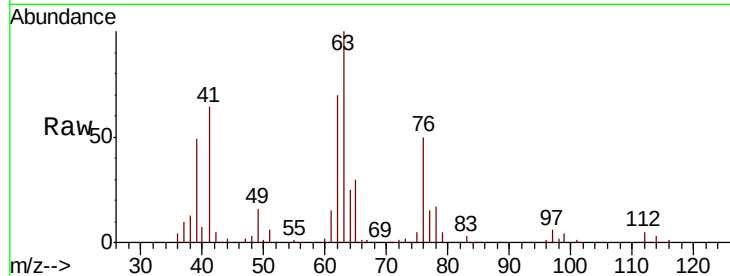




#37
 1,2-Dichloropropane
 Concen: 48.469 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV019237.D
 Acq: 03 Nov 2020 15:59

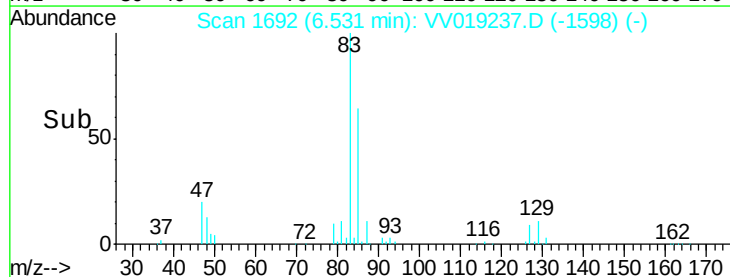
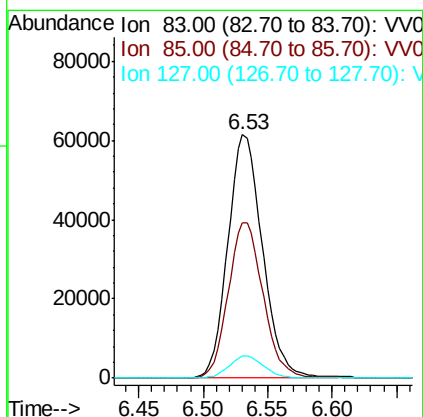
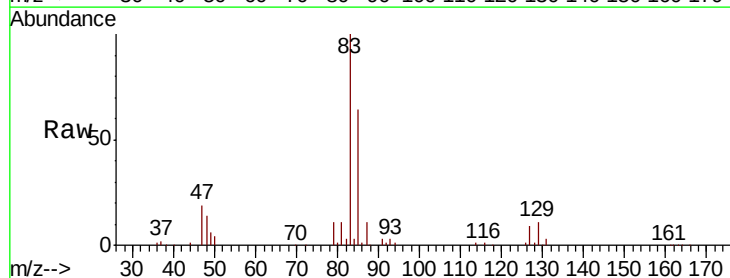
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050312

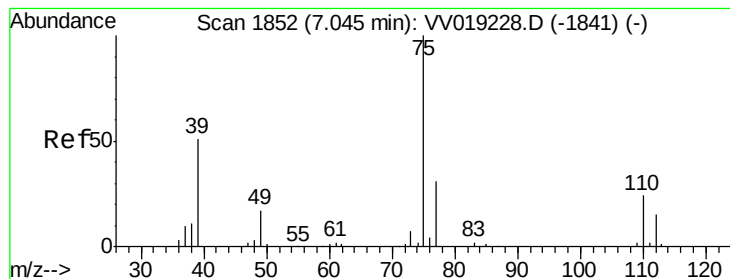
Tot Ion: 63 Resp: 77338
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.2 6.2



#38
 Bromodichloromethane
 Concen: 50.007 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV019237.D
 Acq: 03 Nov 2020 15:59

Tgt Ion: 83 Resp: 114833
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.0 81.8
 127 9.2 7.3 10.9



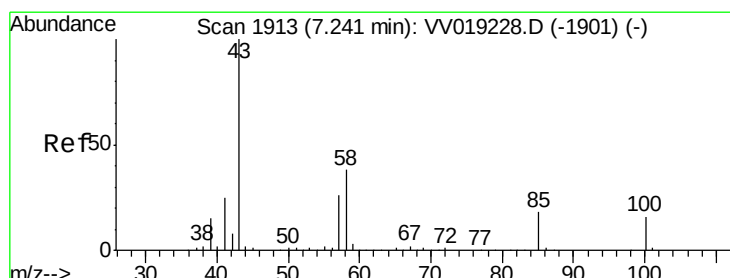
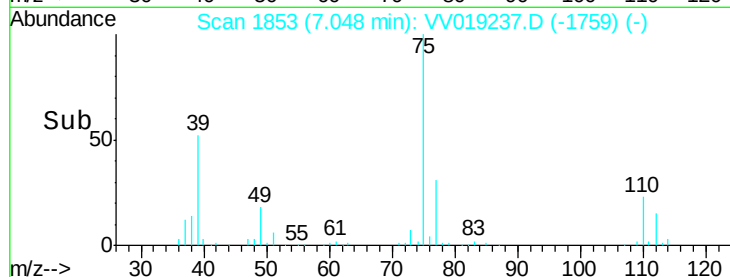
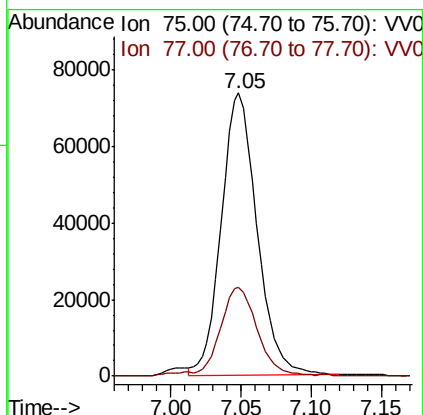
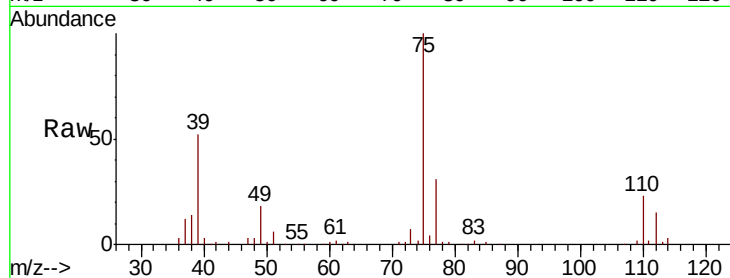


#39

cis-1,3-Dichloropropene
Concen: 51.050 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD050312

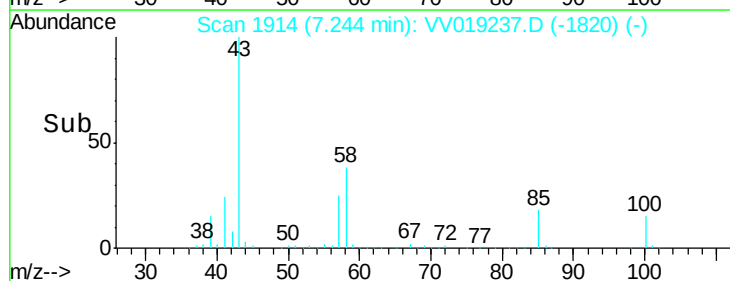
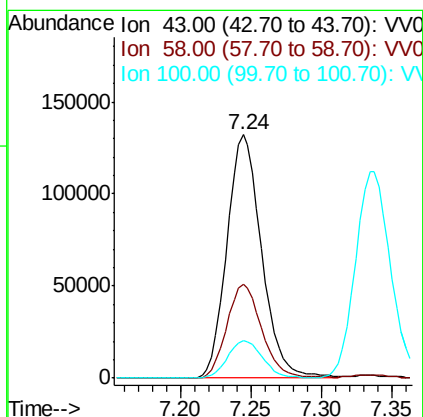
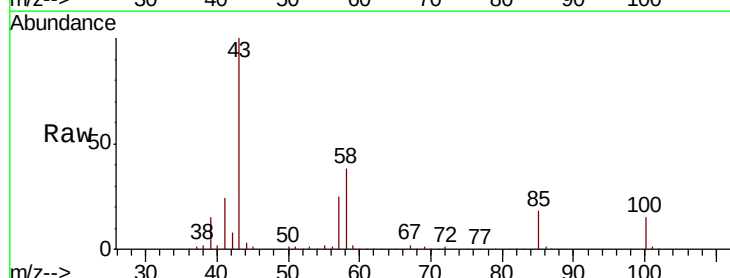
Tot Ion: 75 Resp: 130338
Ion Ratio Lower Upper
75 100
77 31.4 22.2 41.2

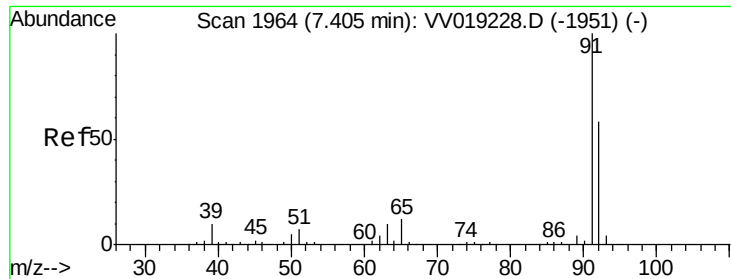


#40

4-Methyl-2-pentanone
Concen: 106.233 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

Tgt Ion: 43 Resp: 227716
Ion Ratio Lower Upper
43 100
58 38.5 30.5 45.7
100 15.6 12.7 19.1





#42

Toluene

Concen: 51.394 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

Instrument :

MSVOA_V

ClientSampleId :

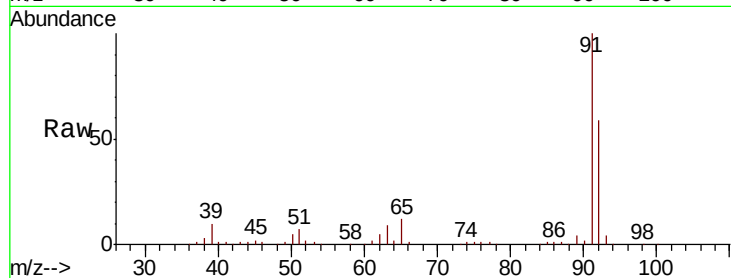
VSTD050312

Tot Ion: 91 Resp: 332135

Ion Ratio Lower Upper

91 100

92 58.6 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

200000

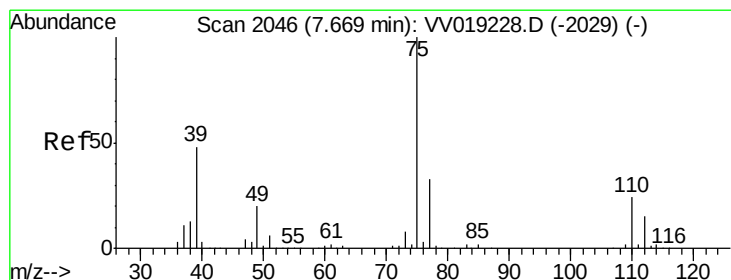
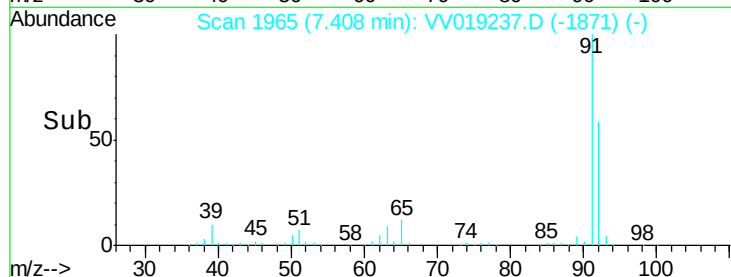
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.644 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV019237.D

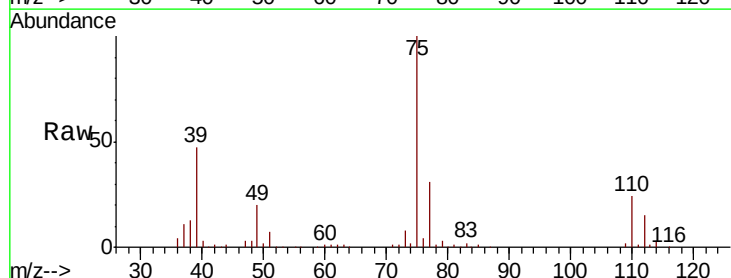
Acq: 03 Nov 2020 15:59

Tgt Ion: 75 Resp: 137732

Ion Ratio Lower Upper

75 100

77 30.7 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

80000

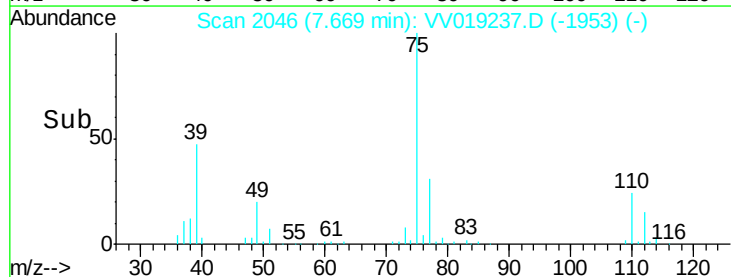
60000

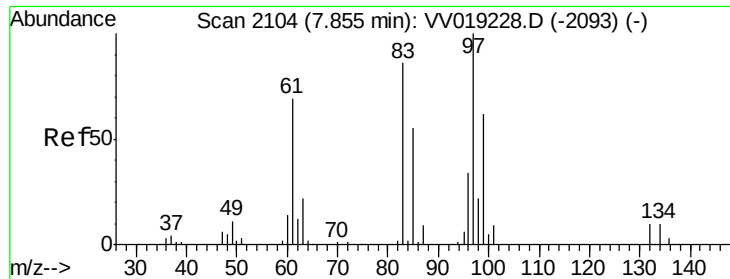
40000

20000

0

Time-->

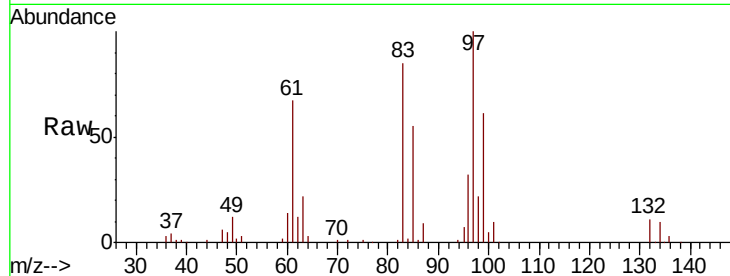




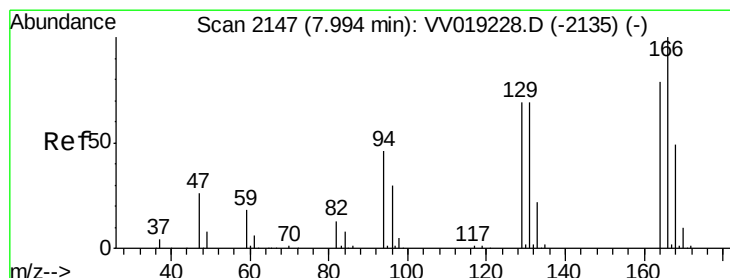
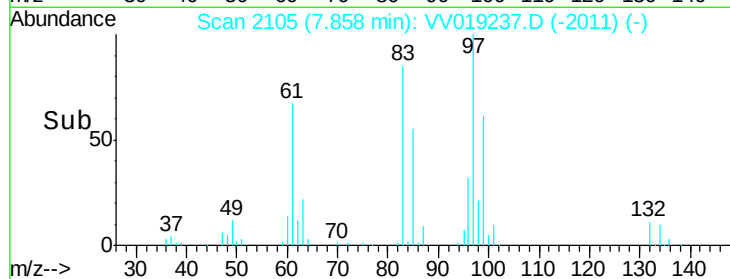
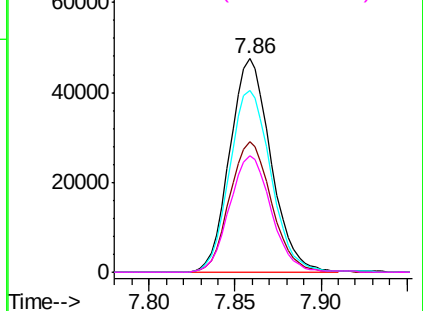
#45
1,1,2-Trichloroethane
Concen: 50.203 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD050312

Tot Ion:	97	Resp:	79176
Ion	Ratio	Lower	Upper
97	100		
99	60.9	45.1	83.9
83	85.2	57.6	107.0
85	54.5	37.8	70.2

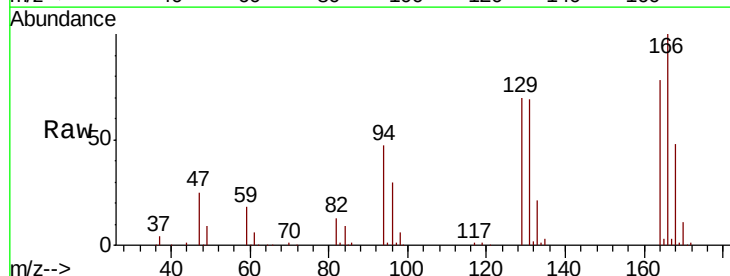


Abundance Ion 97.00 (96.70 to 97.70): VV019237.D (-2011) (-)

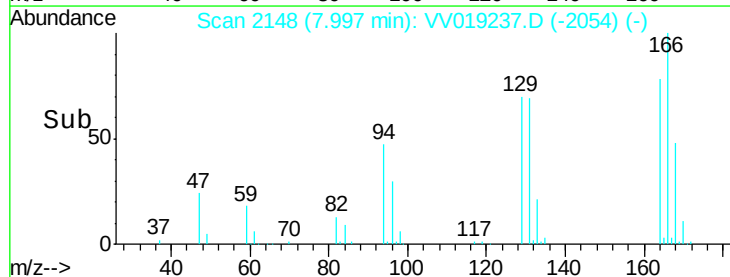
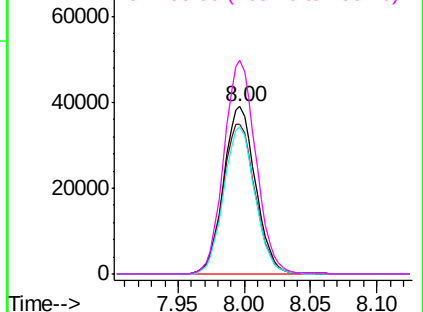


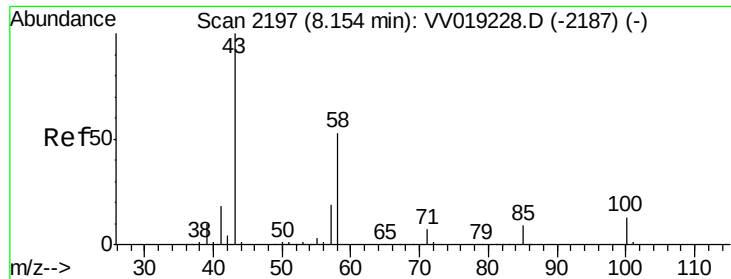
#46
Tetrachloroethene
Concen: 49.295 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

Tgt Ion:	164	Resp:	65352
Ion	Ratio	Lower	Upper
164	100		
129	89.6	62.6	116.3
131	87.9	59.0	109.6
166	127.4	88.0	163.4



Abundance Ion 164.00 (163.70 to 164.70): VV019237.D (-2054) (-)

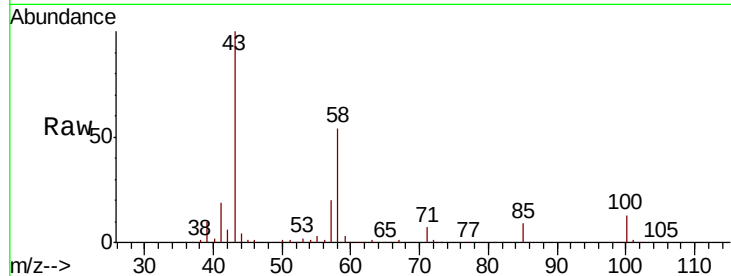




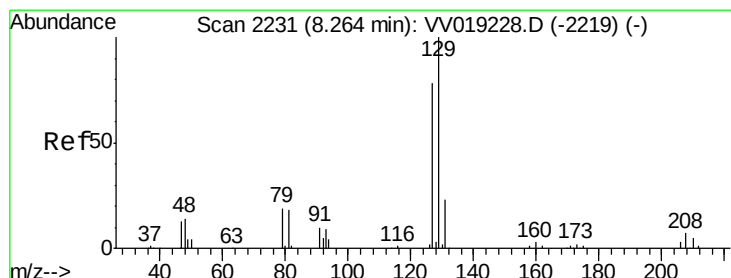
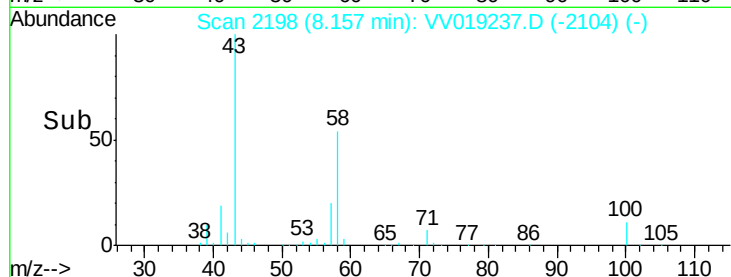
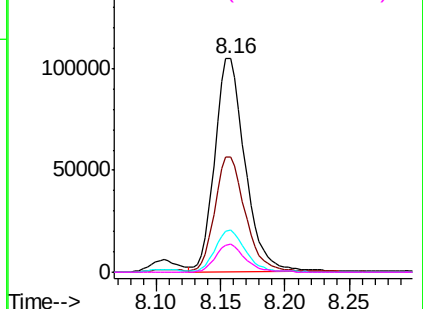
#48
2-Hexanone
Concen: 105.154 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD050312

Tot Ion: 43 Resp: 170412
Ion Ratio Lower Upper
43 100
58 55.1 42.6 63.8
57 19.4 15.8 23.8
100 13.0 10.4 15.6

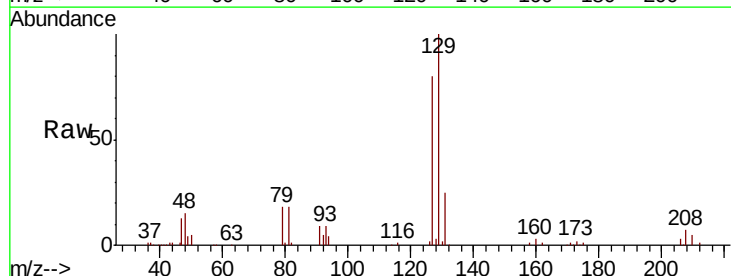


Abundance Ion 43.00 (42.70 to 43.70): VV019237.D (-2197) (-)
Ion 58.00 (57.70 to 58.70): VV019237.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VV019237.D (-2199) (-)
Ion 100.00 (99.70 to 100.70): VV019237.D (-2200) (-)

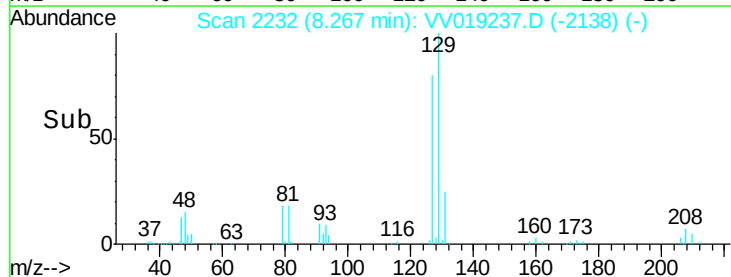
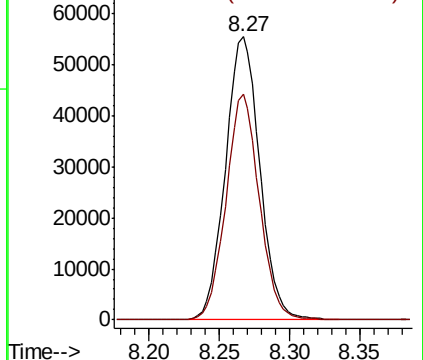


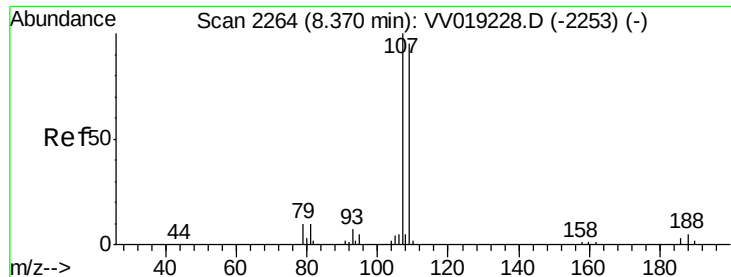
#49
Dibromochloromethane
Concen: 50.297 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

Tgt Ion: 129 Resp: 94602
Ion Ratio Lower Upper
129 100
127 79.8 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): VV019237.D (-2231) (-)
Ion 127.00 (126.70 to 127.70): VV019237.D (-2232) (-)

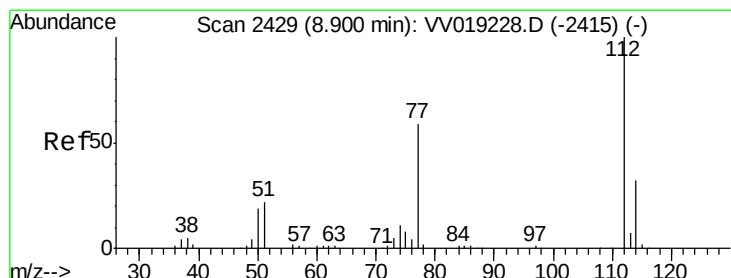
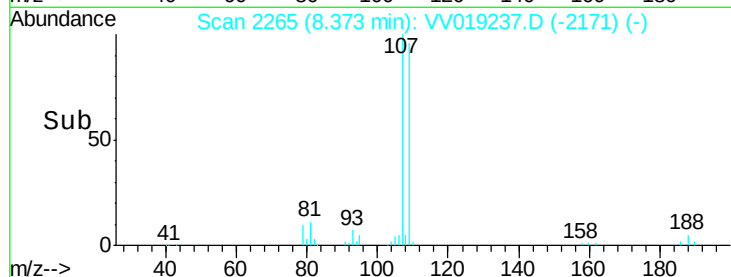
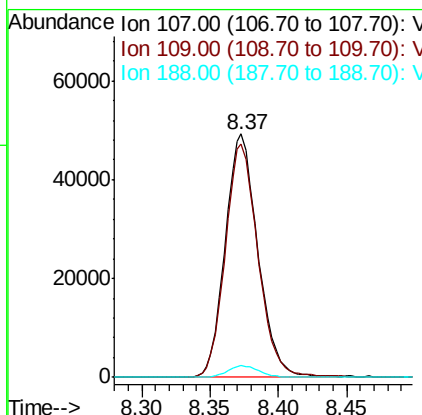
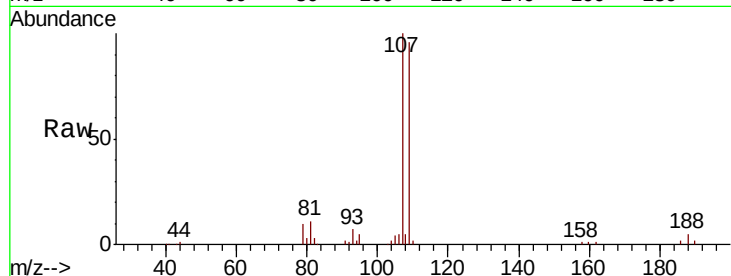




#50
1,2-Dibromoethane
Concen: 50.106 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

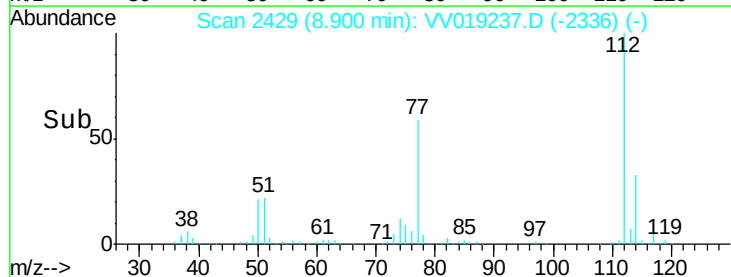
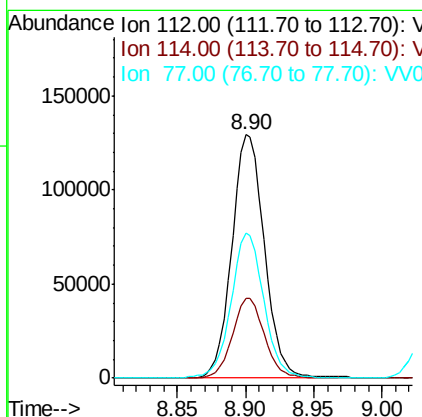
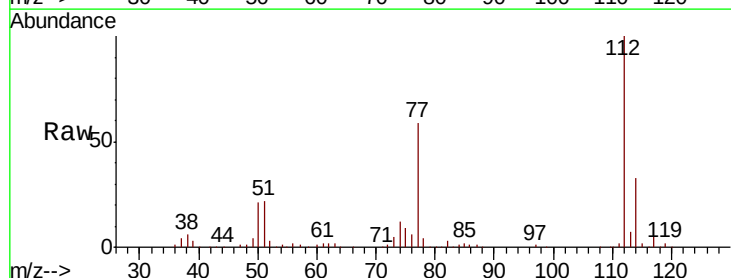
Instrument :
MSVOA_V
ClientSampleId :
VSTD050312

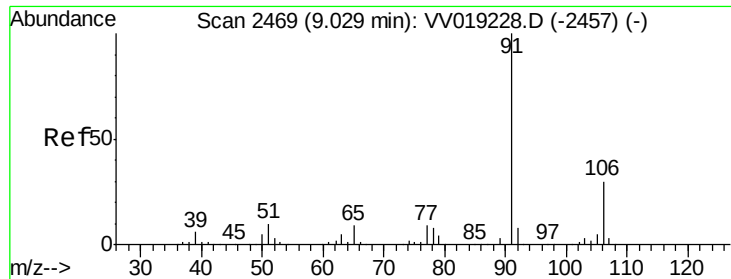
Tot Ion:107 Resp: 81910
Ion Ratio Lower Upper
107 100
109 96.1 64.8 120.4
188 4.7 3.8 5.8



#51
Chlorobenzene
Concen: 49.702 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

Tgt Ion:112 Resp: 214855
Ion Ratio Lower Upper
112 100
114 32.9 22.7 42.1
77 59.4 47.3 70.9





#52

Ethylbenzene

Concen: 50.828 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

Instrument :

MSVOA_V

ClientSampleId :

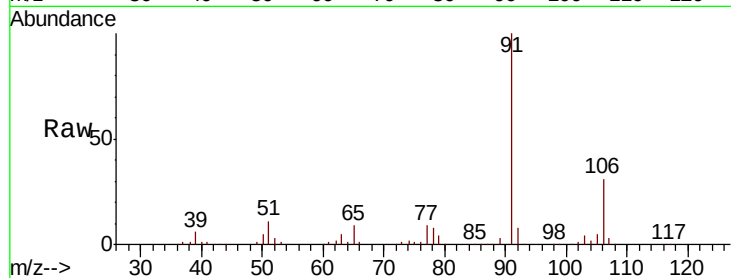
VSTD050312

Tot Ion: 91 Resp: 362404

Ion Ratio Lower Upper

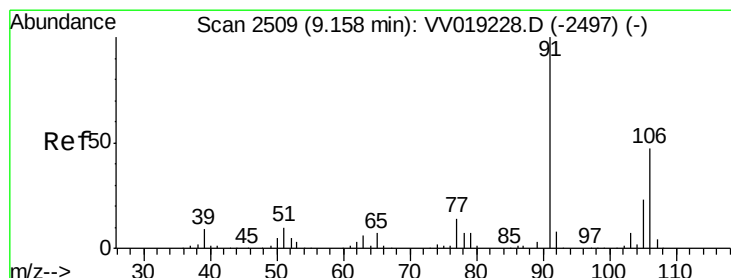
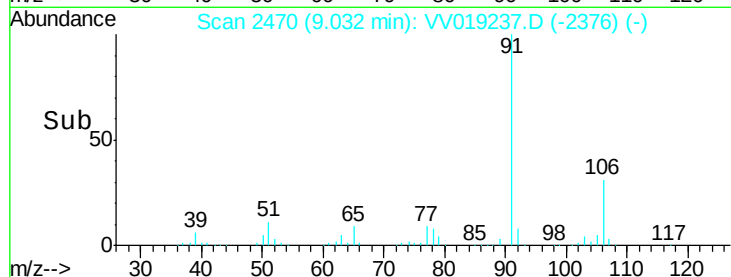
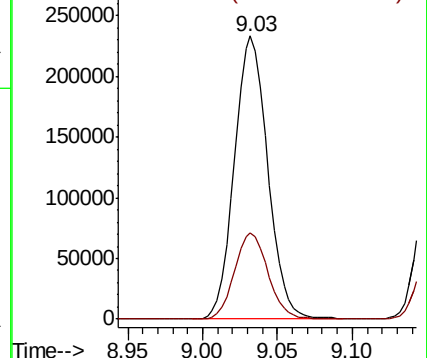
91 100

106 30.6 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019237.D (-2470) (-)

Ion 106.00 (105.70 to 106.70): VV019237.D (-2470) (-)



#53

m,p-Xylene

Concen: 51.047 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV019237.D

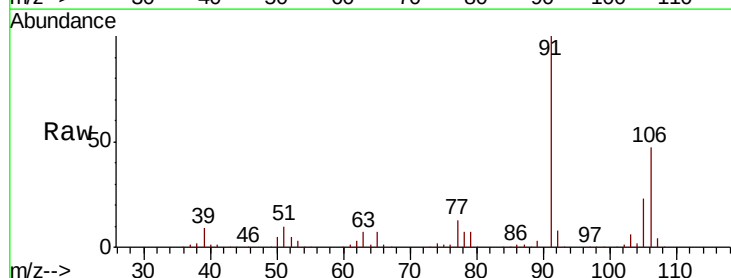
Acq: 03 Nov 2020 15:59

Tgt Ion: 106 Resp: 136262

Ion Ratio Lower Upper

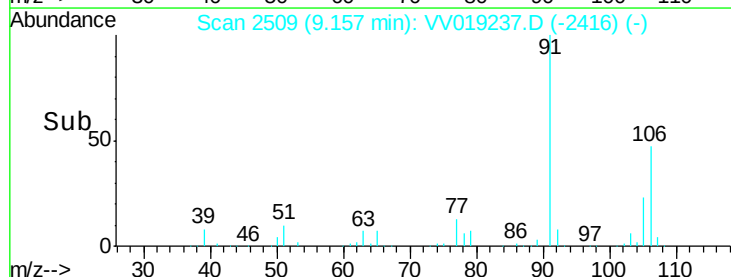
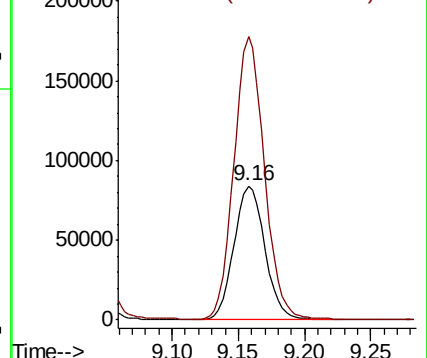
106 100

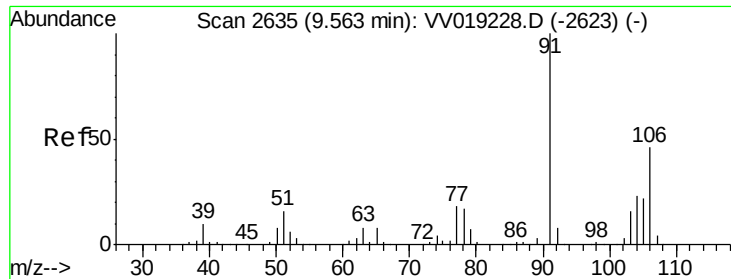
91 211.5 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): VV019237.D (-2509) (-)

Ion 91.00 (90.70 to 91.70): VV019237.D (-2509) (-)

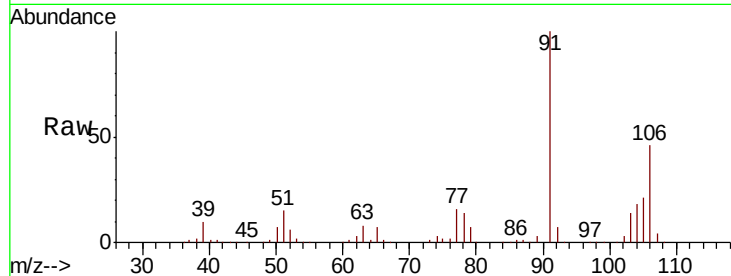




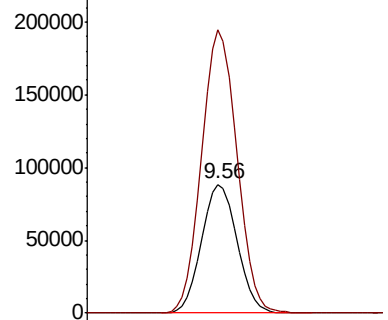
#54
o-Xylene
Concen: 50.990 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD050312

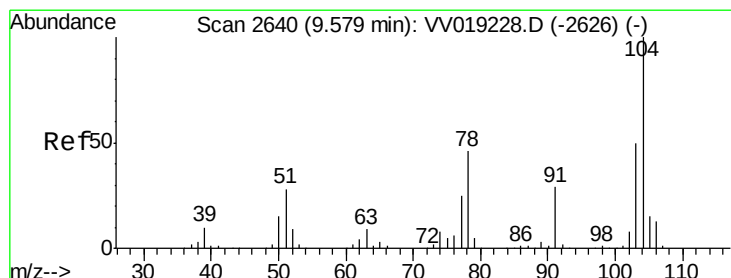
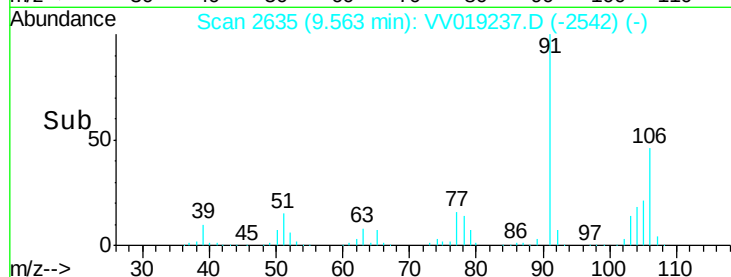
Tot Ion:106 Resp: 134162
Ion Ratio Lower Upper
106 100
91 219.3 151.6 281.6



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

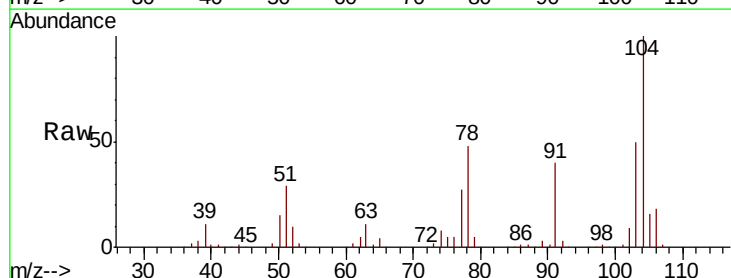


Time-->

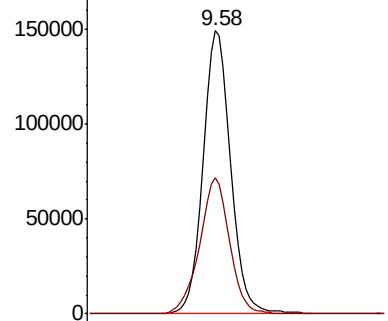


#55
Styrene
Concen: 51.096 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

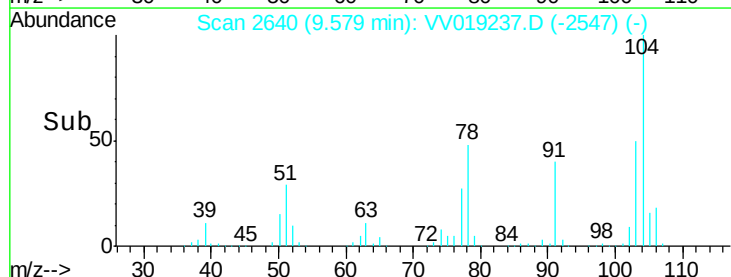
Tgt Ion:104 Resp: 239308
Ion Ratio Lower Upper
104 100
78 48.2 32.6 60.5

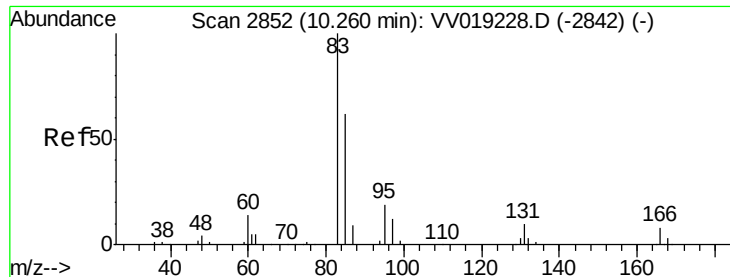


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0



Time-->





#57

1,1,2,2-Tetrachloroethane

Concen: 50.108 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD050312

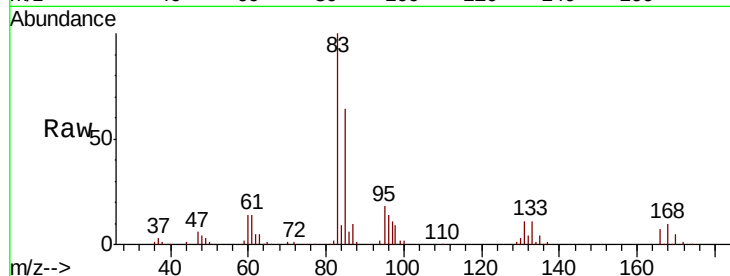
Tot Ion: 83 Resp: 119556

Ion Ratio Lower Upper

83 100

85 63.5 45.0 83.6

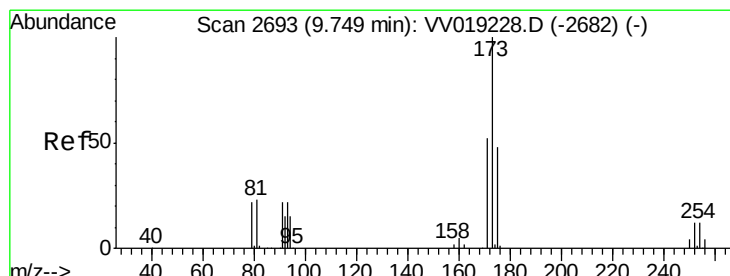
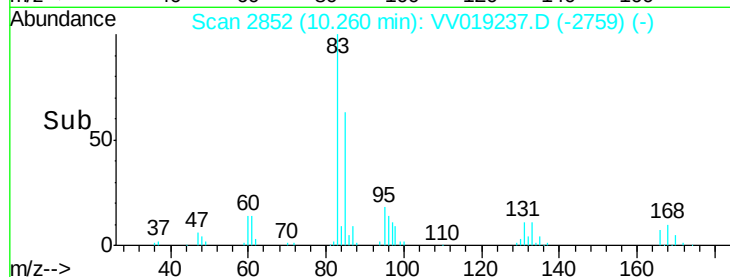
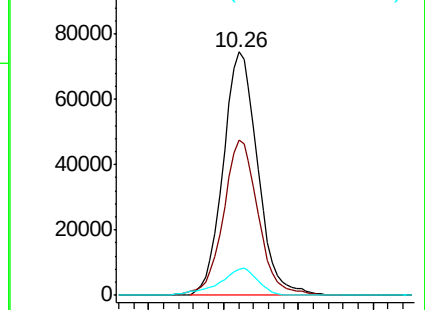
131 10.8 8.9 13.3



Abundance Ion 83.00 (82.70 to 83.70): VV019237.D (-2600) (-)

Ion 85.00 (84.70 to 85.70): VV019237.D (-2600) (-)

Ion 131.00 (130.70 to 131.70): VV019237.D (-2600) (-)



#59

Bromoform

Concen: 49.747 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

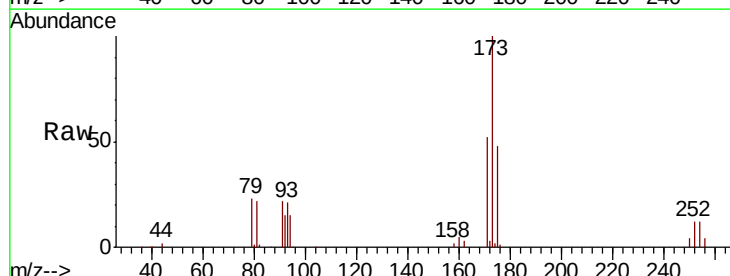
Tgt Ion: 173 Resp: 72463

Ion Ratio Lower Upper

173 100

175 48.2 38.4 57.6

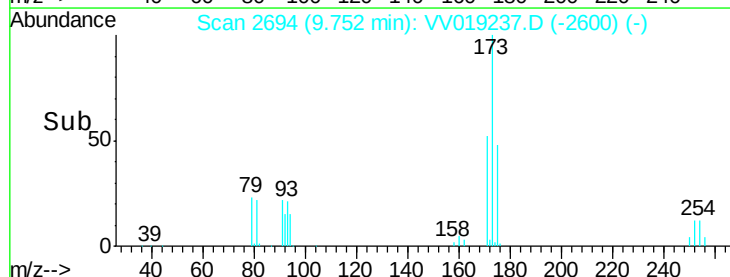
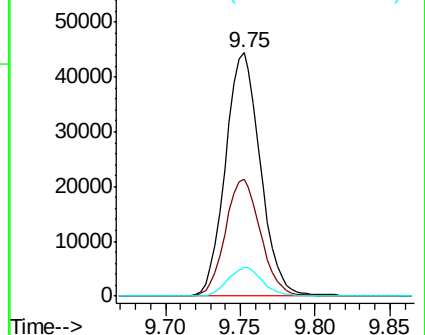
254 11.5 9.0 13.6

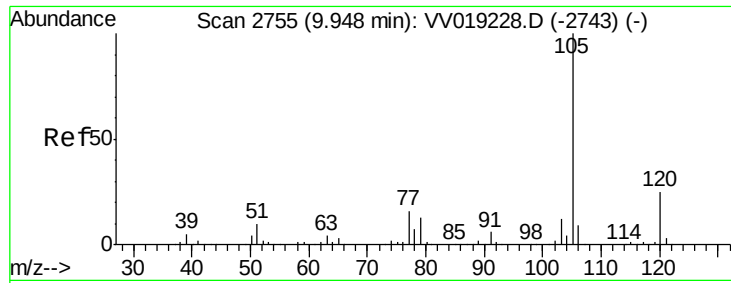


Abundance Ion 173.00 (172.70 to 173.70): VV019237.D (-2600) (-)

Ion 175.00 (174.70 to 175.70): VV019237.D (-2600) (-)

Ion 254.00 (253.70 to 254.70): VV019237.D (-2600) (-)





#60

Isopropylbenzene

Concen: 51.874 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD050312

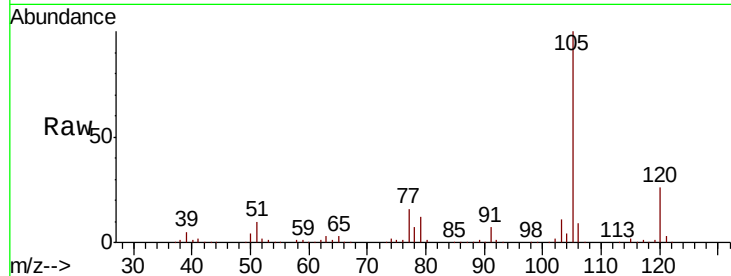
Tot Ion:105 Resp: 356821

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

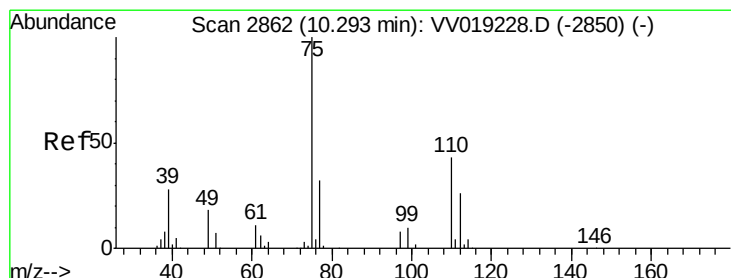
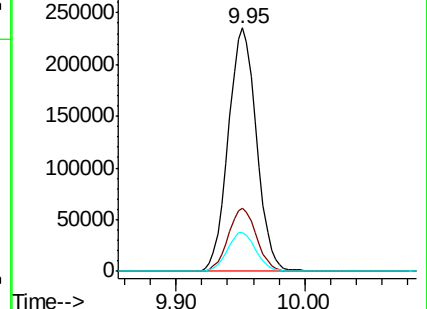
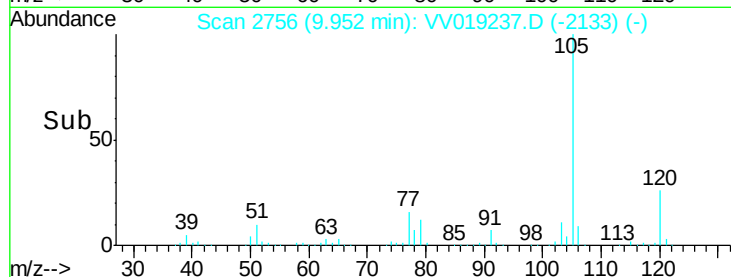
77 16.1 13.0 19.6



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



#61

1,2,3-Trichloropropane

Concen: 49.608 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV019237.D

Acq: 03 Nov 2020 15:59

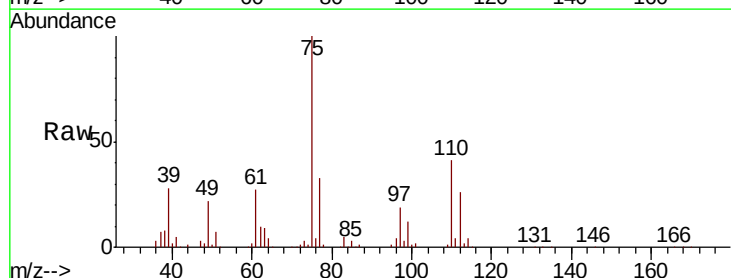
Tgt Ion: 75 Resp: 101150

Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2

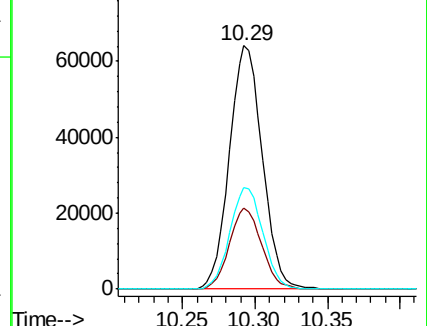
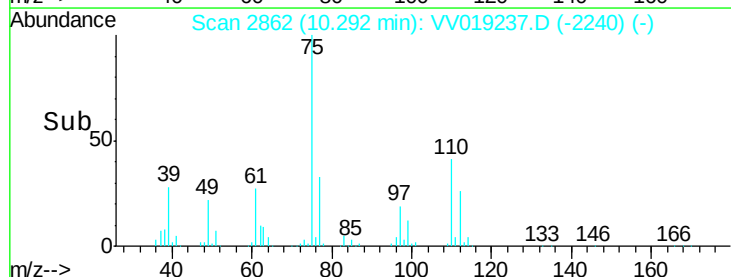
110 41.7 33.4 50.2

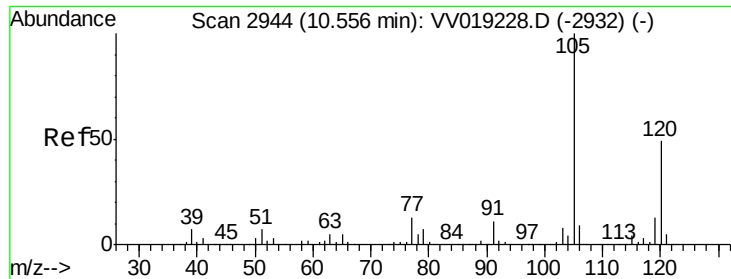


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

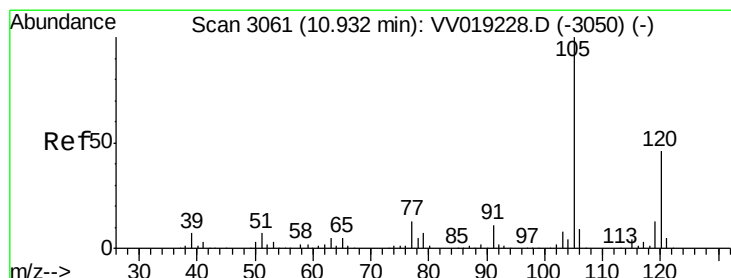
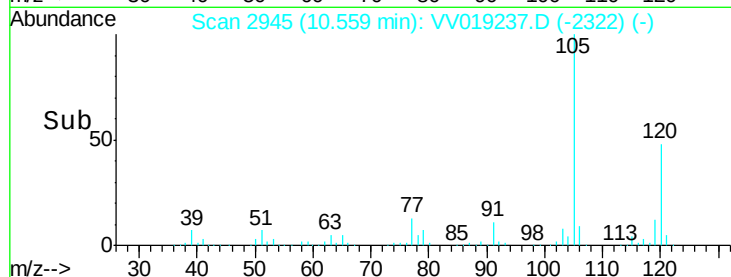
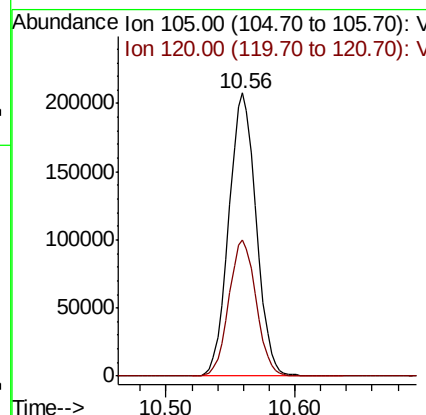
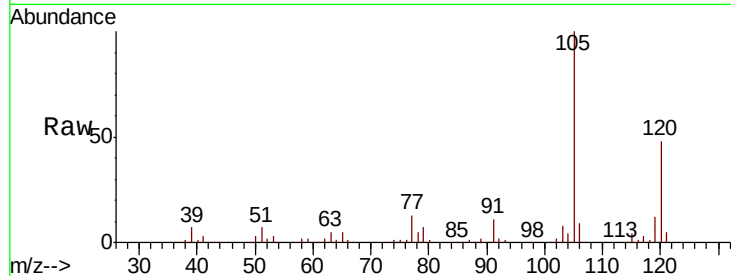




#62
 1,3,5-Trimethylbenzene
 Concen: 53.293 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VV019237.D
 Acq: 03 Nov 2020 15:59

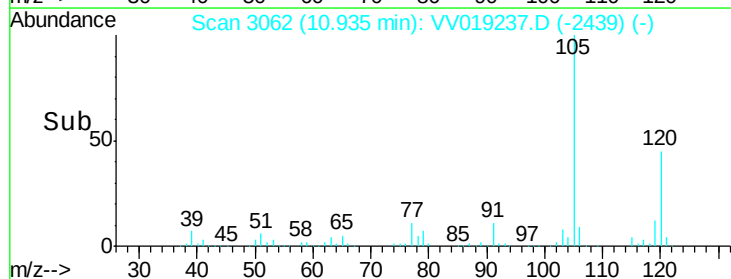
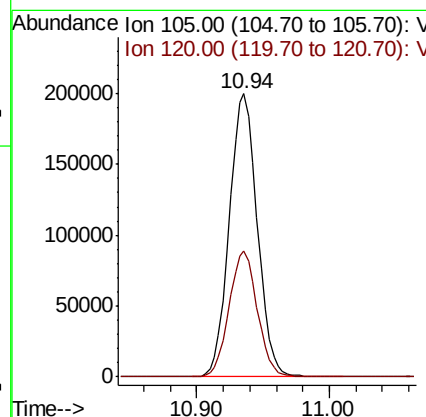
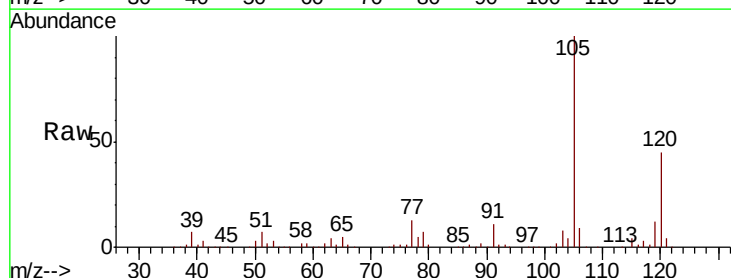
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050312

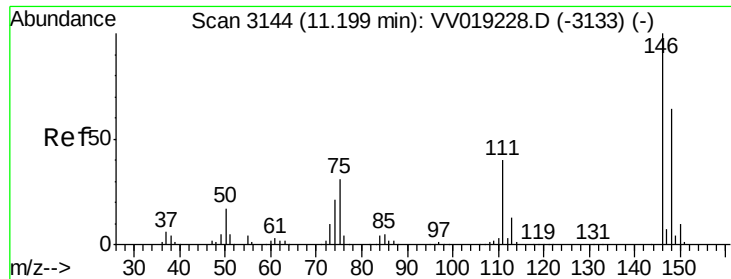
Tot Ion:105 Resp: 305321
 Ion Ratio Lower Upper
 105 100
 120 48.1 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 52.180 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV019237.D
 Acq: 03 Nov 2020 15:59

Tgt Ion:105 Resp: 292518
 Ion Ratio Lower Upper
 105 100
 120 44.7 35.7 53.5

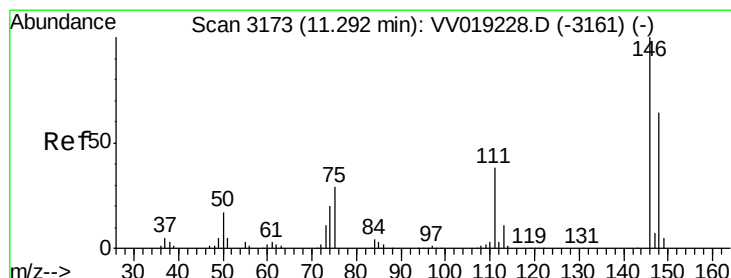
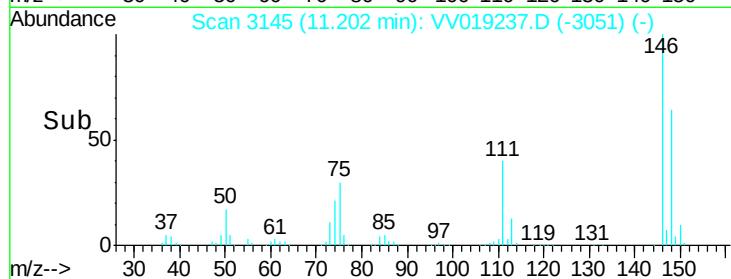
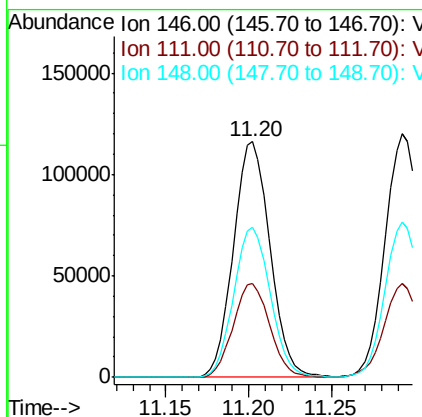
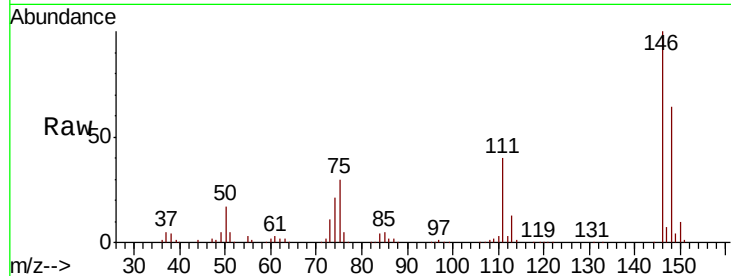




#64
 1,3-Dichlorobenzene
 Concen: 49.729 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019237.D
 Acq: 03 Nov 2020 15:59

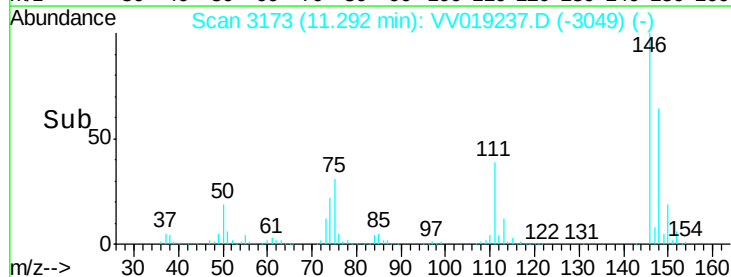
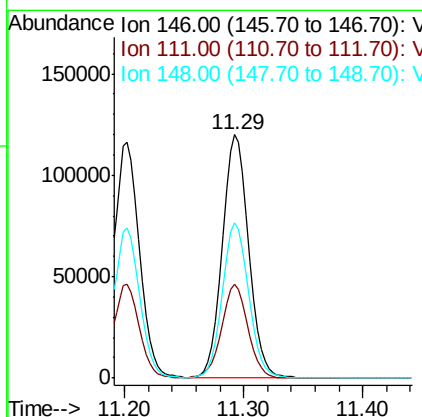
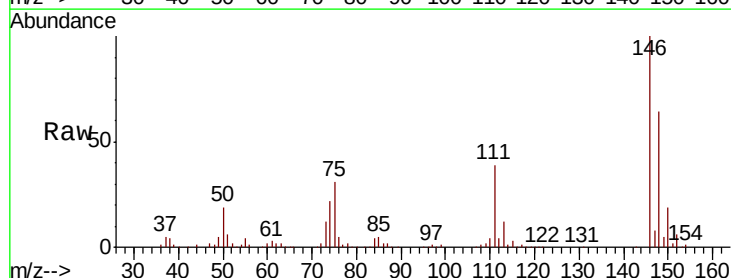
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050312

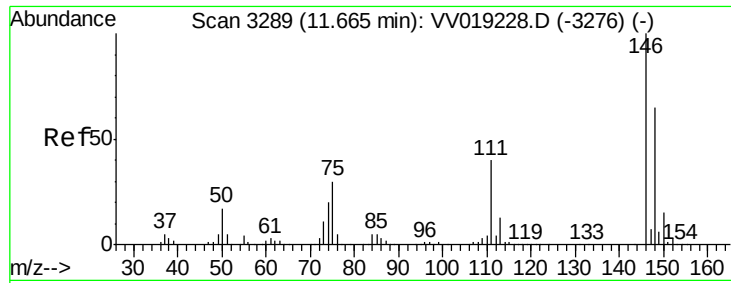
Tot Ion:146 Resp: 178926
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.3 50.7
 148 63.7 45.2 84.0



#65
 1,4-Dichlorobenzene
 Concen: 49.319 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV019237.D
 Acq: 03 Nov 2020 15:59

Tgt Ion:146 Resp: 183588
 Ion Ratio Lower Upper
 146 100
 111 38.6 25.9 48.1
 148 63.9 44.9 83.5

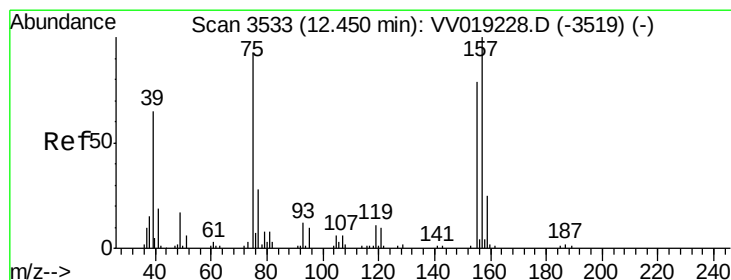
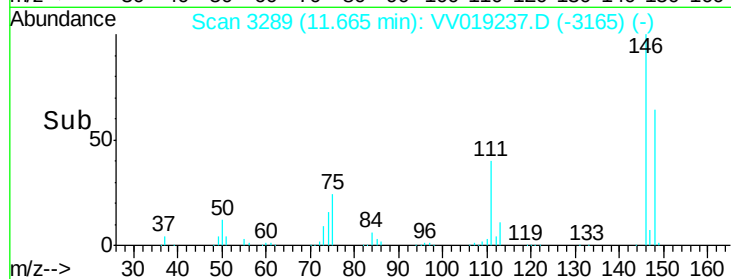
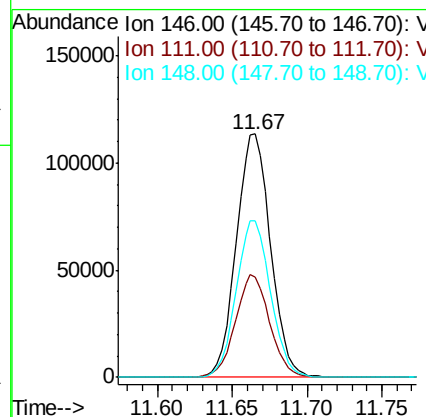
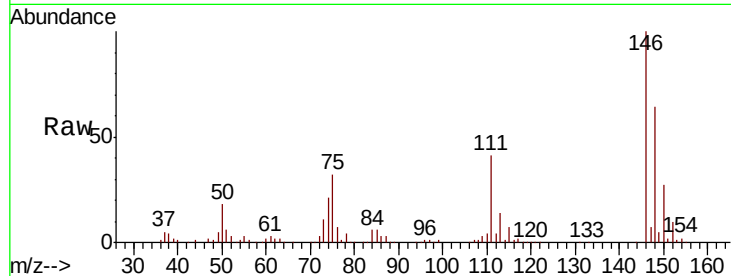




#67
 1,2-Dichlorobenzene
 Concen: 49.219 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV019237.D
 Acq: 03 Nov 2020 15:59

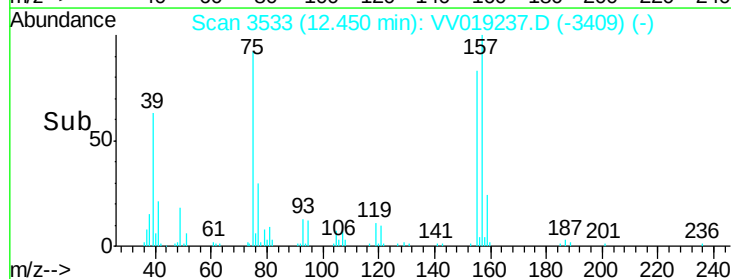
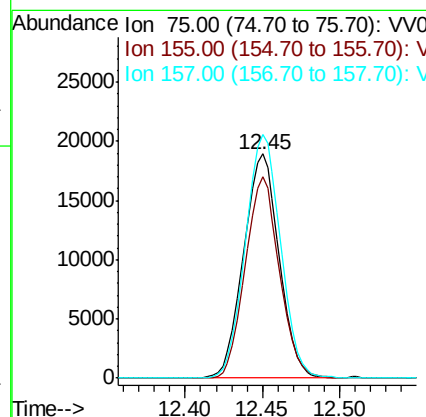
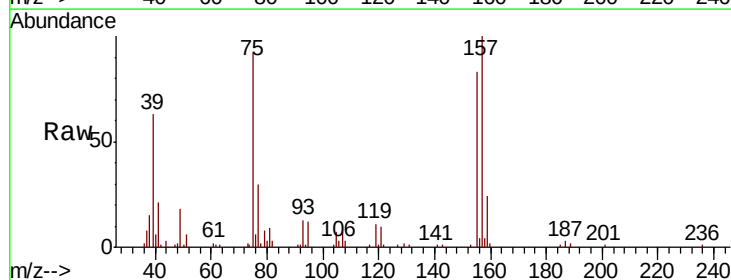
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050312

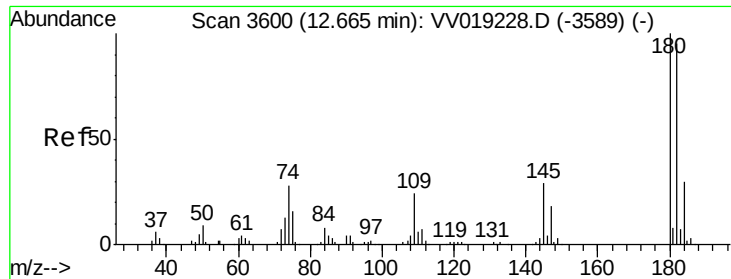
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	32.6	48.8
148	64.3	50.1	75.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 50.729 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV019237.D
 Acq: 03 Nov 2020 15:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	65.8	98.6
157	108.6	86.3	129.5

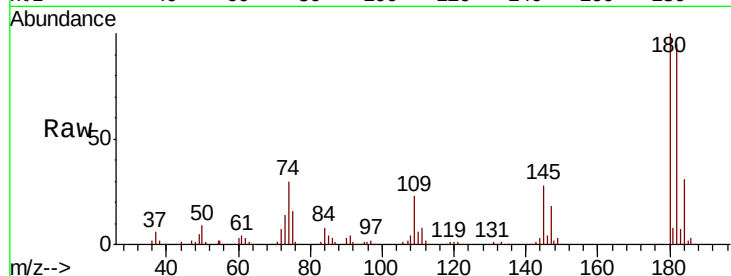




#69
 1,3,5-Trichlorobenzene
 Concen: 50.047 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV019237.D
 Acq: 03 Nov 2020 15:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050312

Tot Ion	180	Resp	129244
Ion Ratio	Lower	Upper	
180	100		
182	95.2	77.7	116.5
184	31.2	24.9	37.3
145	27.9	23.4	35.0

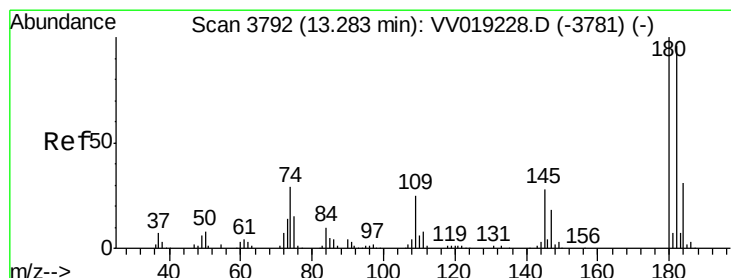
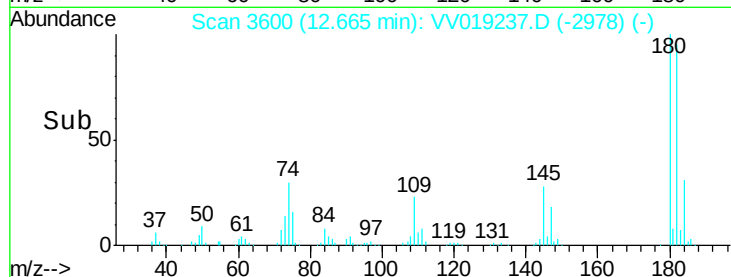
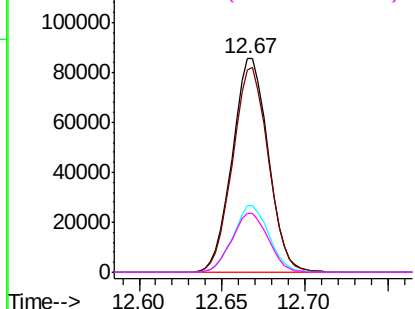


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

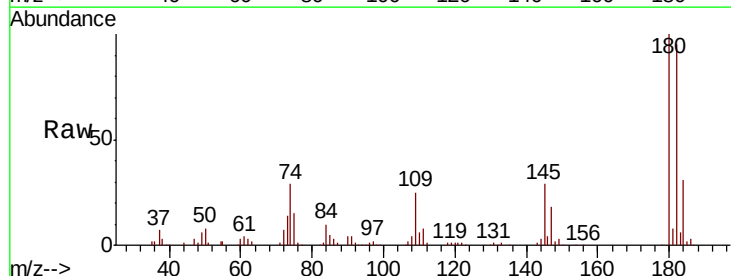
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 50.339 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019237.D
 Acq: 03 Nov 2020 15:59

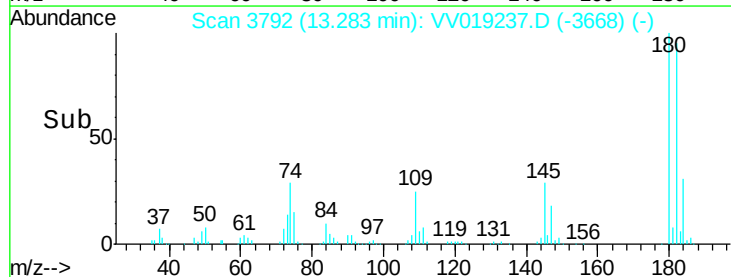
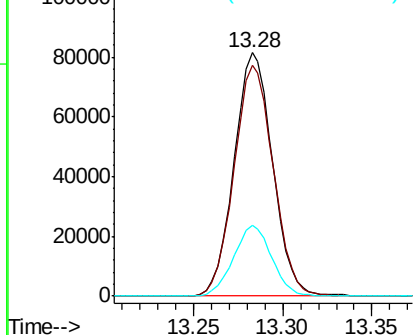
Tgt Ion	180	Resp	122321
Ion Ratio	Lower	Upper	
180	100		
182	96.4	76.6	114.8
145	28.7	23.2	34.8

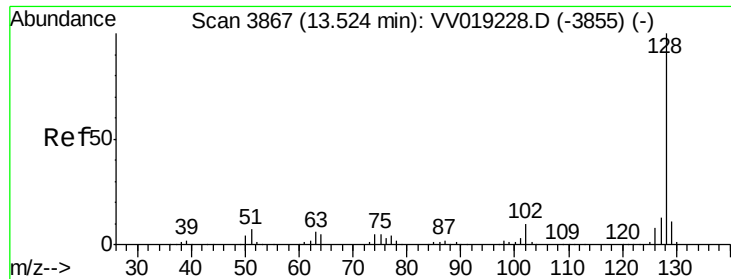


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

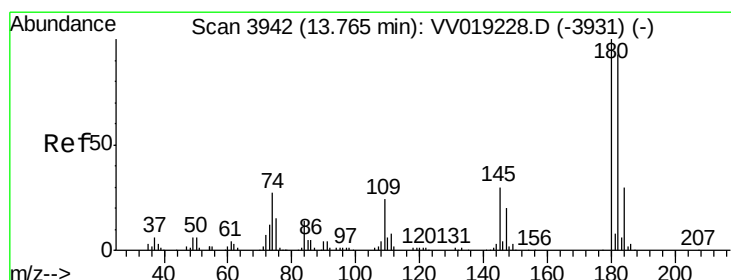
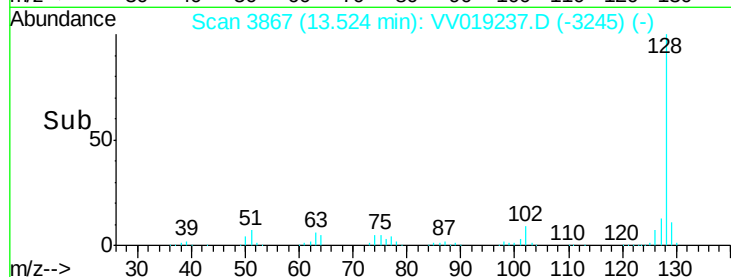
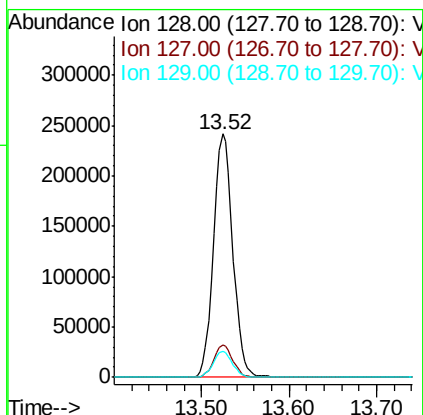
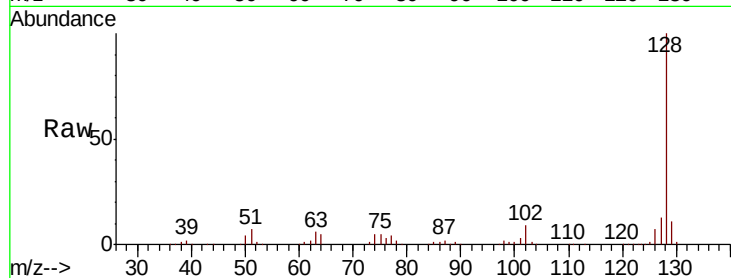




#71
Naphthalene
Concen: 54.109 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. -0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD050312

Tot Ion:128 Resp: 370819
Ion Ratio Lower Upper
128 100
127 13.0 10.7 16.1
129 10.6 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 52.124 ug/L
RT: 13.76 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VV019237.D
Acq: 03 Nov 2020 15:59

Tgt Ion:180 Resp: 125557
Ion Ratio Lower Upper
180 100
182 95.2 77.4 116.0
145 30.6 24.7 37.1

