

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061020\
 Data File : VV016783.D
 Acq On : 10 Jun 2020 20:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Quant Time: Jun 11 01:10:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 01:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	357774	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	344996	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	183808	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	117137	46.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.80%
7) Chloroethane-d5	1.56	69	77372	51.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.16%
11) 1,1-Dichloroethene-d2	2.12	63	199208	46.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.98%
21) 2-Butanone-d5	3.89	46	175618	93.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.99%
24) Chloroform-d	4.37	84	245799	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.76%
26) 1,2-Dichloroethane-d4	5.05	65	165480	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.78%
32) Benzene-d6	5.07	84	465096	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
36) 1,2-Dichloropropane-d6	6.09	67	141850	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.52%
41) Toluene-d8	7.34	98	425440	46.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.24%
43) trans-1,3-Dichloropropene-	7.64	79	73207	45.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.68%
47) 2-Hexanone-d5	8.11	63	123815	91.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.61%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	197929	48.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.46%
64) 1,2-Dichlorobenzene-d4	11.65	152	184069	46.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	137938	48.630	ug/L 99
3) Chloromethane	1.25	50	136076	52.459	ug/L 100
5) Vinyl chloride	1.32	62	117268	45.972	ug/L 98
6) Bromomethane	1.51	94	45136	42.485	ug/L 98
8) Chloroethane	1.58	64	65055	51.629	ug/L 100
9) Trichlorofluoromethane	1.75	101	185883	48.695	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	88338	46.441	ug/L 99
12) 1,1-Dichloroethene	2.13	96	82381	46.393	ug/L 97
13) Acetone	2.17	43	102479	83.241	ug/L 99
14) Carbon disulfide	2.30	76	294722	45.841	ug/L 100
15) Methyl Acetate	2.44	43	135894	49.525	ug/L 99
16) Methylene chloride	2.52	84	124999	47.971	ug/L 99
17) trans-1,2-Dichloroethene	2.77	96	114448	47.271	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	397785	49.585	ug/L 99
19) 1,1-Dichloroethane	3.21	63	220489	48.381	ug/L 98
20) cis-1,2-Dichloroethene	3.93	96	130698	49.516	ug/L 96
22) 2-Butanone	3.98	43	187859	98.953	ug/L 96

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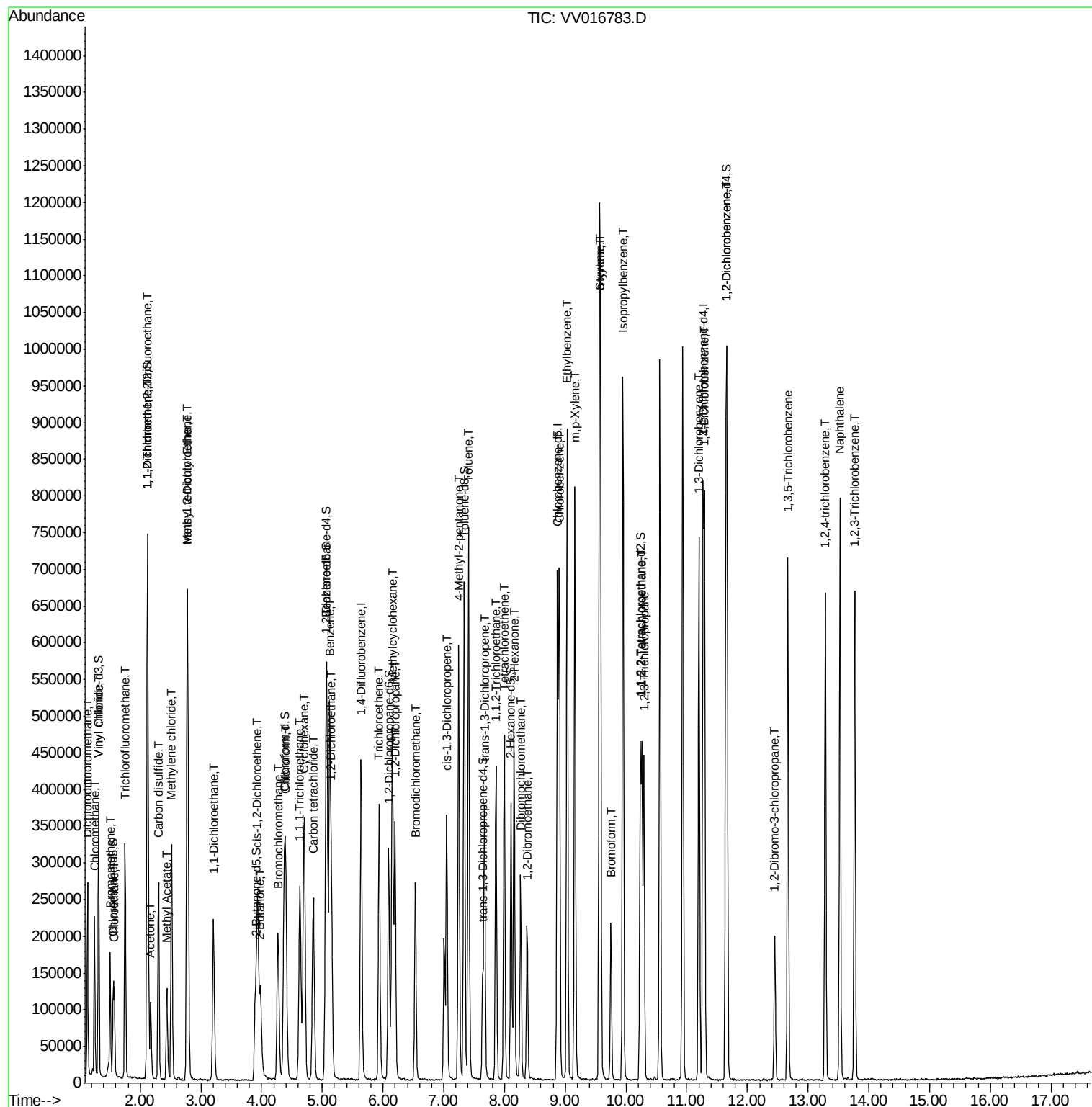
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	68108	48.983	ug/L	96
25) Chloroform	4.40	83	232347	49.608	ug/L	96
27) 1,2-Dichloroethane	5.15	62	199234	50.745	ug/L	100
29) Cyclohexane	4.70	56	196207	45.767	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	211525	48.077	ug/L	99
31) Carbon tetrachloride	4.85	117	183856	48.305	ug/L	100
33) Benzene	5.12	78	479105	46.937	ug/L	100
34) Trichloroethene	5.94	95	127709	46.650	ug/L	99
35) Methylcyclohexane	6.15	83	192794	44.891	ug/L	99
37) 1,2-Dichloropropane	6.20	63	123684	46.594	ug/L	99
38) Bromodichloromethane	6.53	83	172353	48.774	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	196675	47.697	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	383561	101.970	ug/L	100
42) Toluene	7.41	91	516096	47.962	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	193240	48.205	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	123697	48.300	ug/L	98
46) Tetrachloroethene	8.00	164	100804	46.819	ug/L	98
48) 2-Hexanone	8.16	43	302349	103.667	ug/L	98
49) Dibromochloromethane	8.27	129	134094	48.970	ug/L	100
50) 1,2-Dibromoethane	8.37	107	131454	49.015	ug/L	100
51) Chlorobenzene	8.90	112	339290	48.329	ug/L	98
52) Ethylbenzene	9.03	91	584788	49.065	ug/L	100
53) m,p-Xylene	9.16	106	215062	48.462	ug/L	99
54) o-xylene	9.56	106	215285	49.189	ug/L	99
55) Styrene	9.58	104	376941	50.940	ug/L	98
56) Isopropylbenzene	9.95	105	584356	49.689	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	199652	50.846	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	165846	50.355	ug/L	99
61) Bromoform	9.75	173	91657	48.480	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	280400	48.164	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	285155	48.140	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	289546	49.628	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	46933	51.160	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	210786	48.554	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	191199	48.016	ug/L	99
69) Naphthalene	13.52	128	582229	50.831	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	189472	48.630	ug/L	99

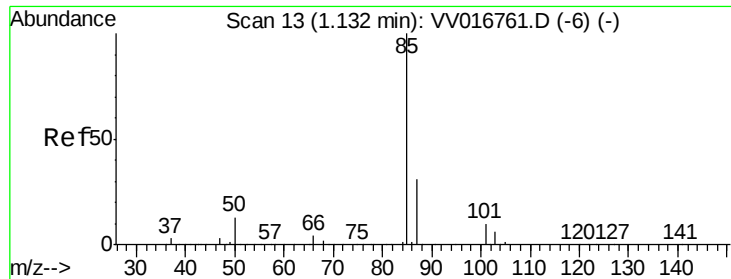
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.630 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

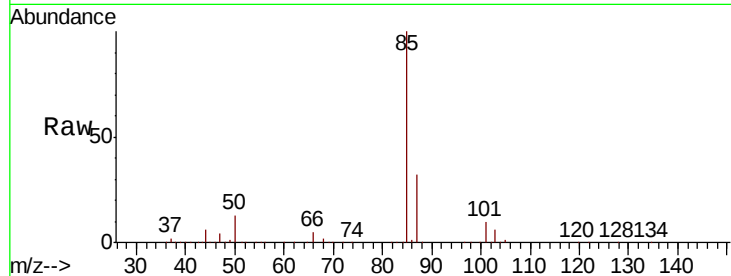
VSTD05080

Tot Ion: 85 Resp: 137938

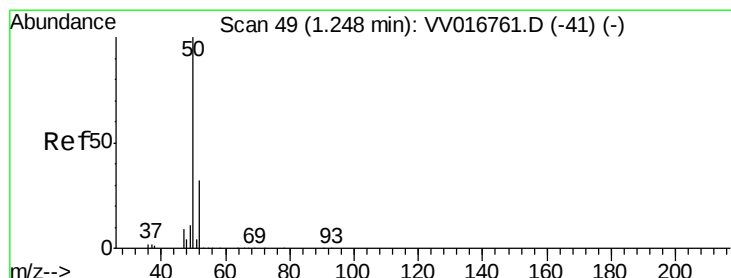
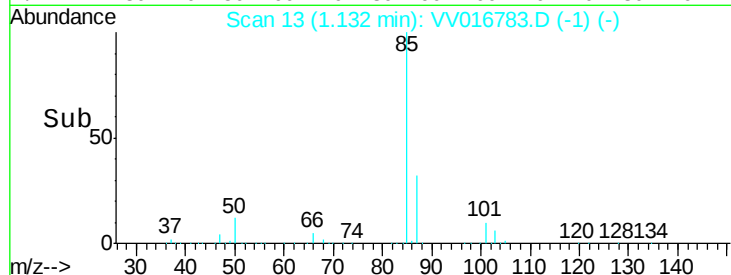
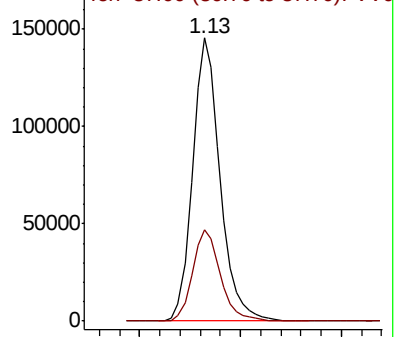
Ion Ratio Lower Upper

85 100

87 32.8 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV016783.D (-1) (-)



#3

Chloromethane

Concen: 52.459 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016783.D

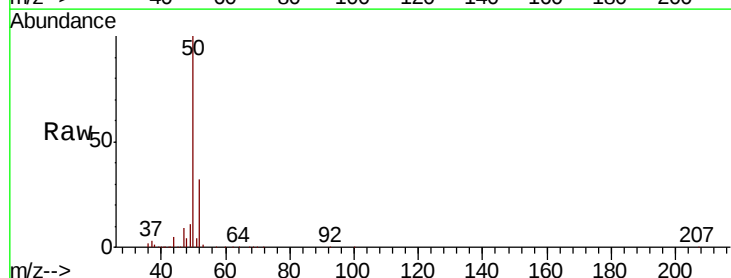
Acq: 10 Jun 2020 20:48

Tgt Ion: 50 Resp: 136076

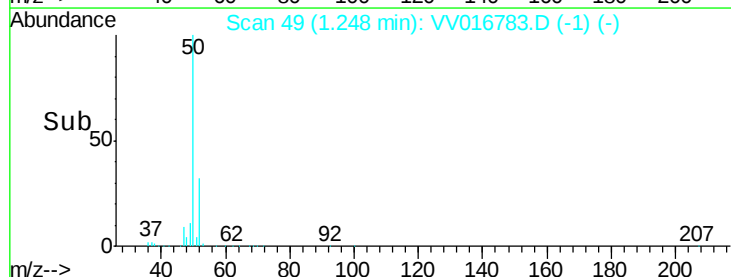
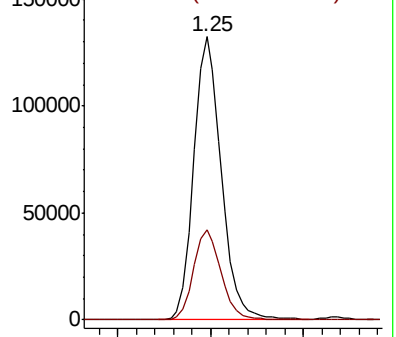
Ion Ratio Lower Upper

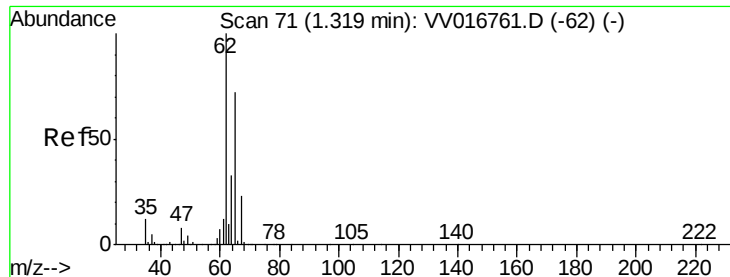
50 100

52 32.0 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV016783.D (-1) (-)





#5

Vinyl chloride

Concen: 45.972 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

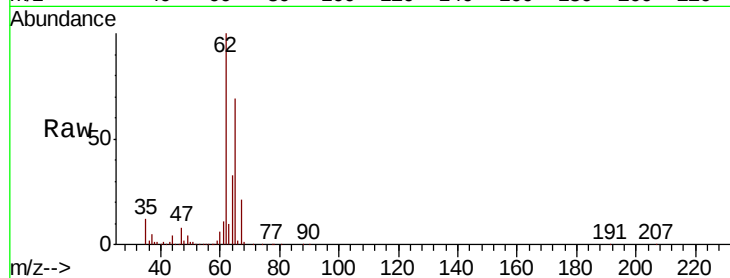
VSTD05080

Tot Ion: 62 Resp: 117268

Ion Ratio Lower Upper

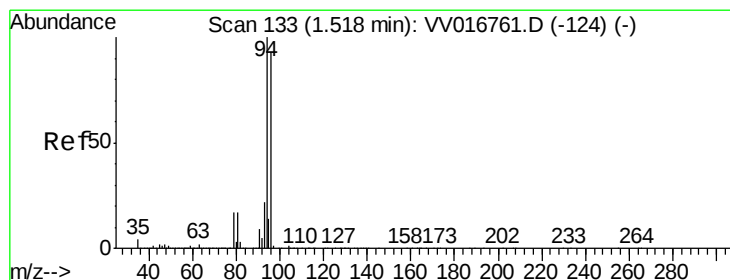
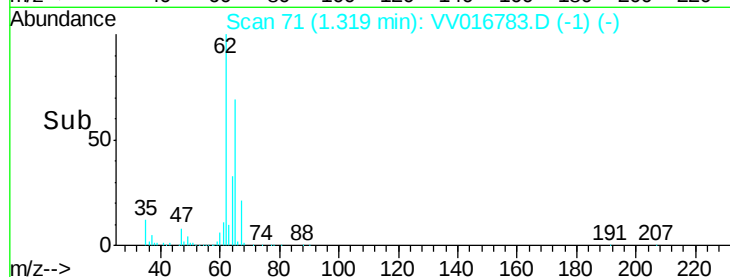
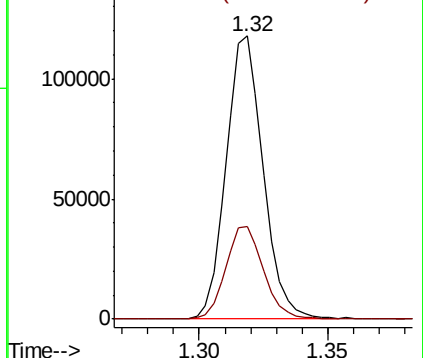
62 100

64 32.9 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 42.485 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.01 min

Lab File: VV016783.D

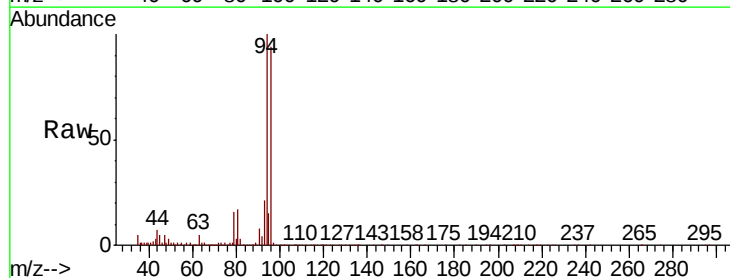
Acq: 10 Jun 2020 20:48

Tgt Ion: 94 Resp: 45136

Ion Ratio Lower Upper

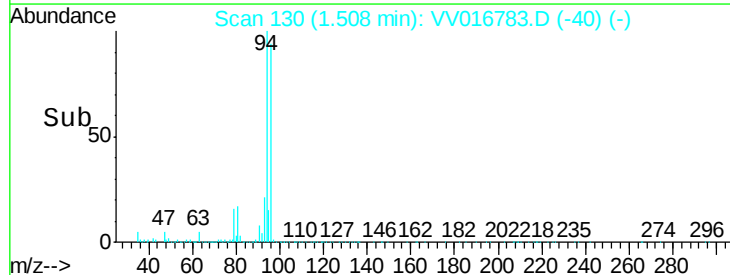
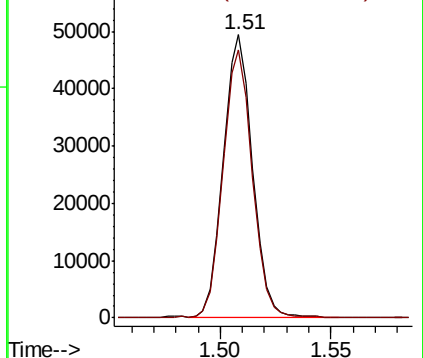
94 100

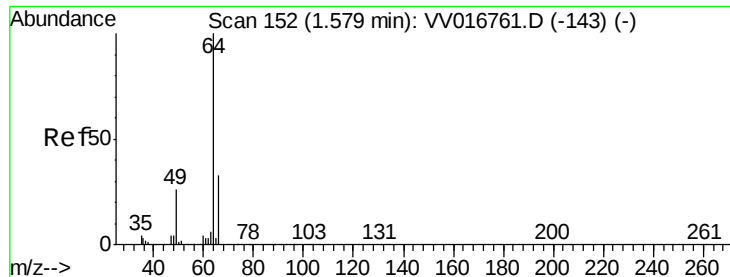
96 94.5 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

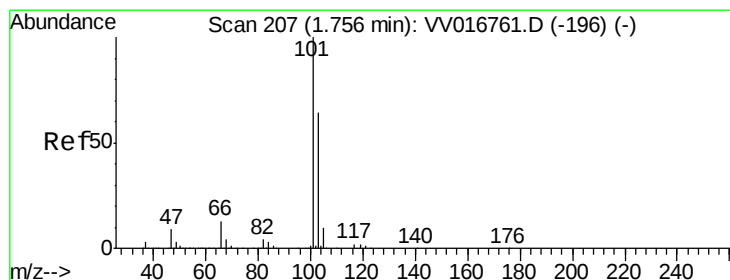
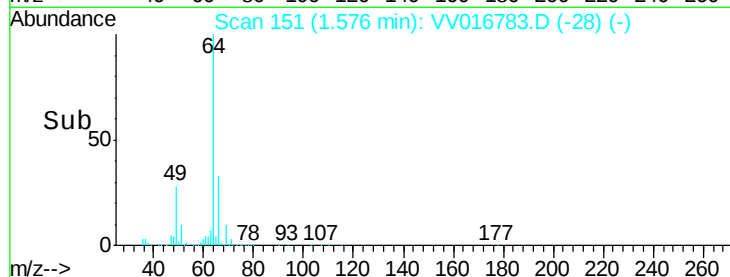
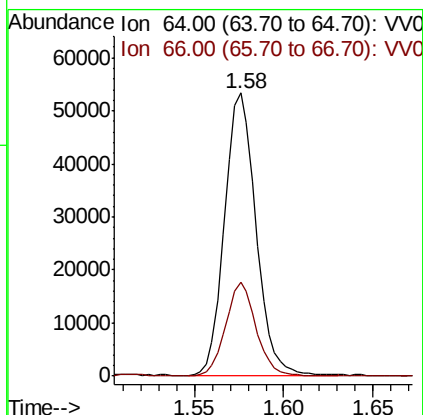
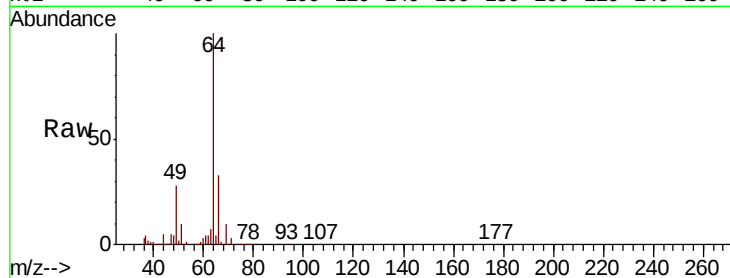




#8
Chloroethane
Concen: 51.629 ug/L
RT: 1.58 min Scan# 151
Delta R.T. -0.00 min
Lab File: VV016783.D
Acq: 10 Jun 2020 20:48

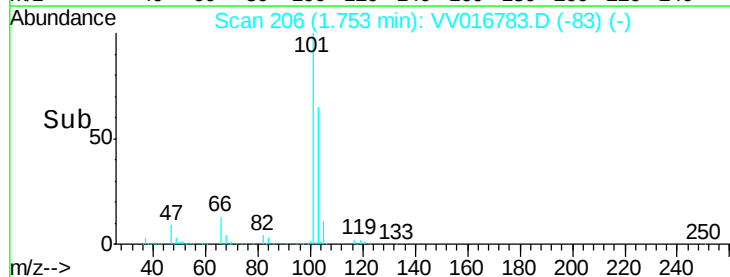
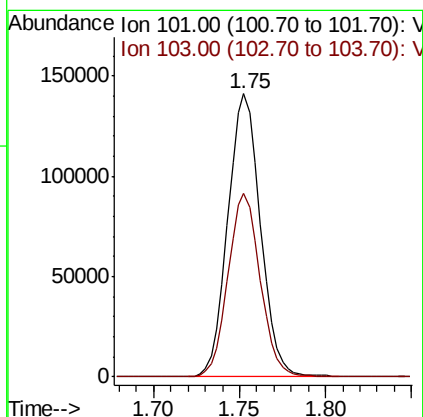
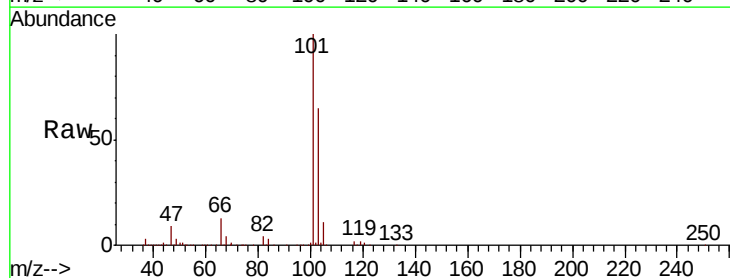
Instrument :
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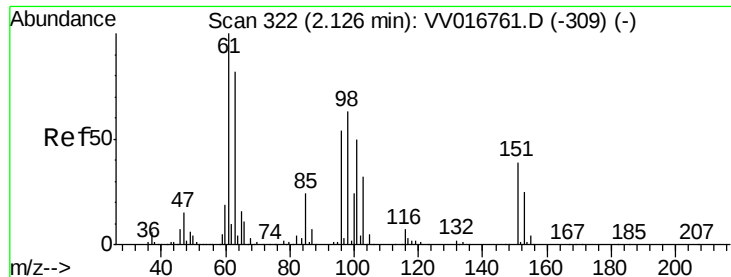
Tot Ion: 64 Resp: 65055
Ion Ratio Lower Upper
64 100
66 33.2 23.2 43.0



#9
Trichlorofluoromethane
Concen: 48.695 ug/L
RT: 1.75 min Scan# 206
Delta R.T. -0.00 min
Lab File: VV016783.D
Acq: 10 Jun 2020 20:48

Tgt Ion: 101 Resp: 185883
Ion Ratio Lower Upper
101 100
103 64.1 51.3 76.9





#10

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

Concen: 46.441 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

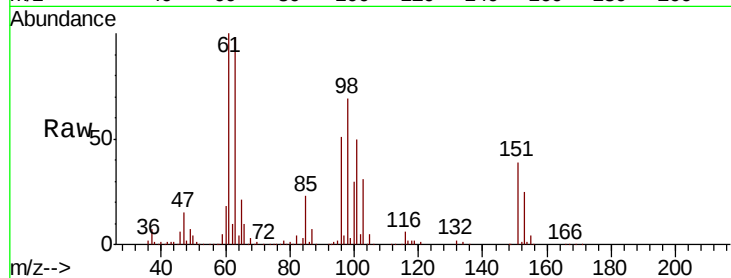
Tot Ion:101 Resp: 88338

Ion Ratio Lower Upper

101 100

85 45.6 35.5 53.3

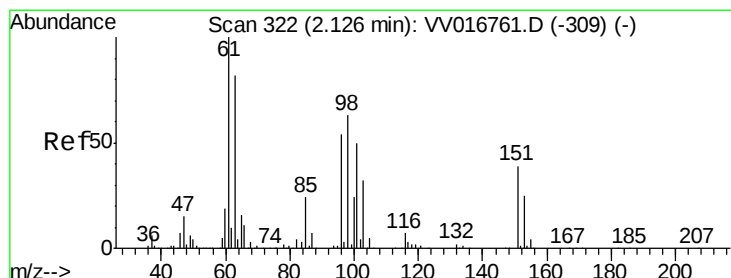
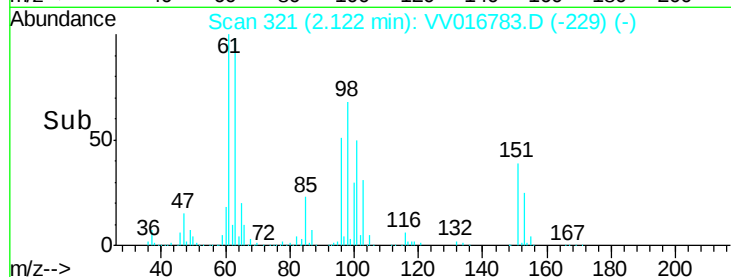
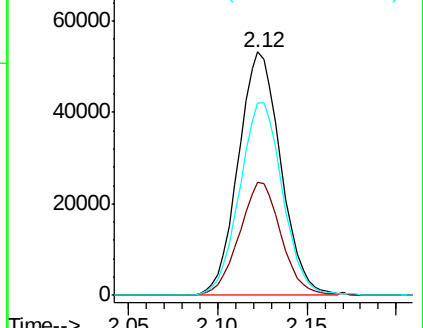
151 80.5 63.9 95.9



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: 46.393 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

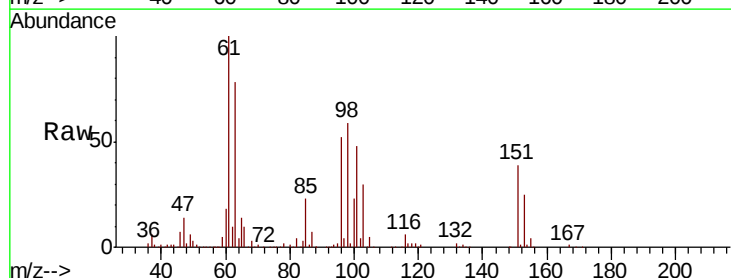
Tgt Ion: 96 Resp: 82381

Ion Ratio Lower Upper

96 100

61 191.7 130.4 242.2

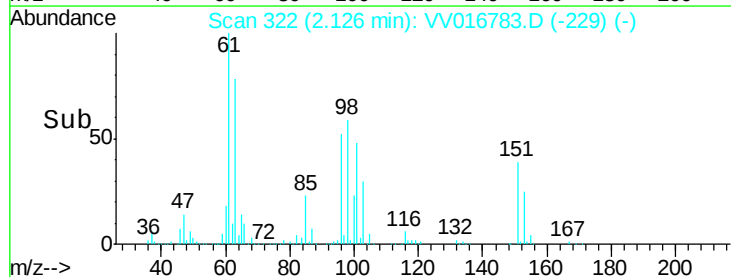
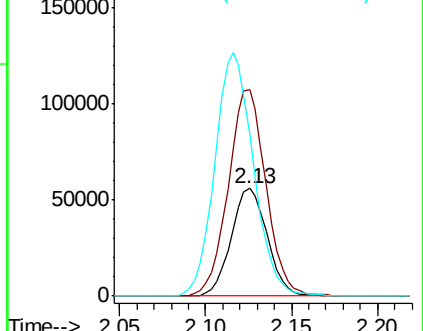
63 149.3 103.3 191.9

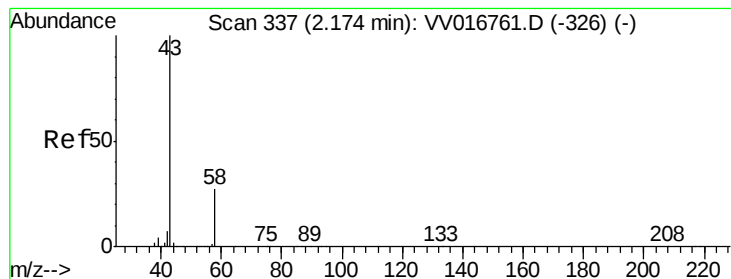


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 83.241 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

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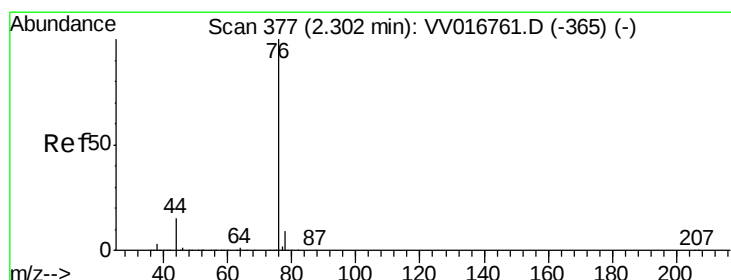
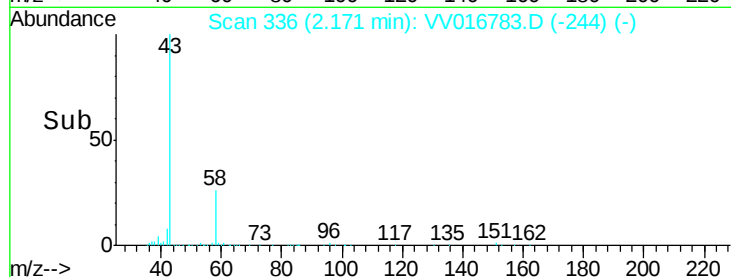
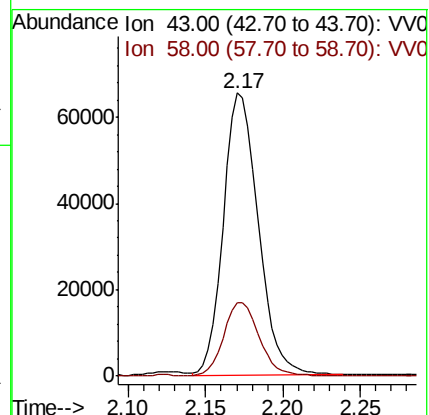
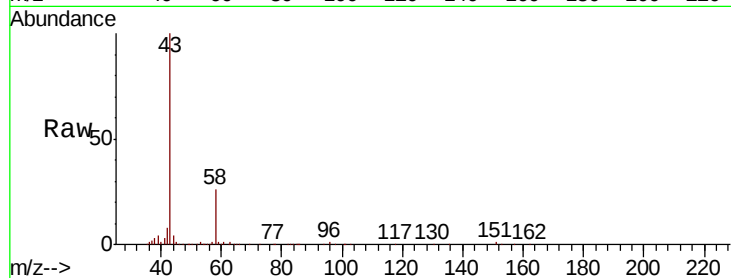
VSTD05080

Tot Ion: 43 Resp: 102479

Ion Ratio Lower Upper

43 100

58 26.9 0.0 55.2



#14

Carbon disulfide

Concen: 45.841 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV016783.D

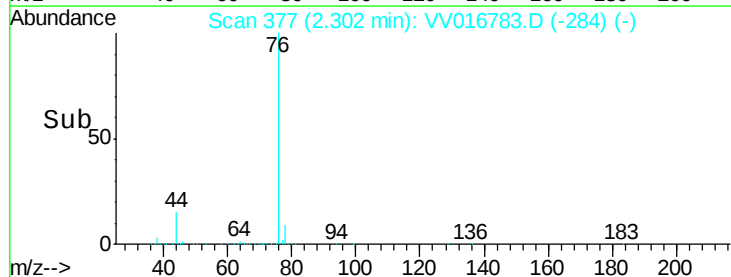
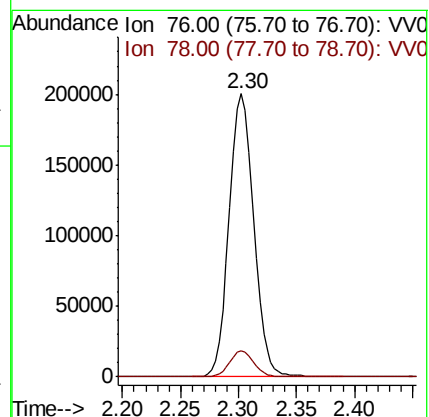
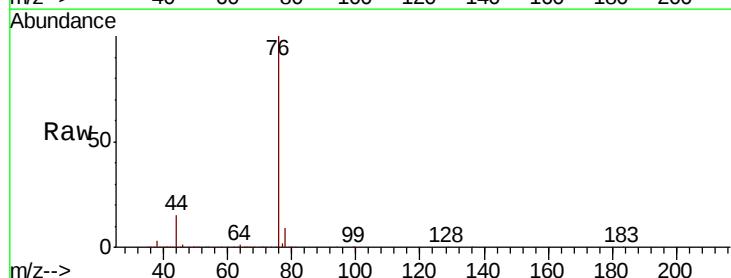
Acq: 10 Jun 2020 20:48

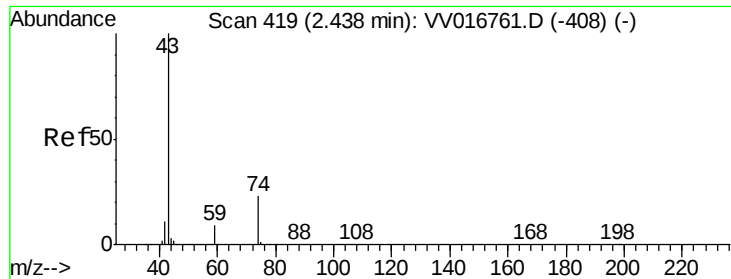
Tgt Ion: 76 Resp: 294722

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

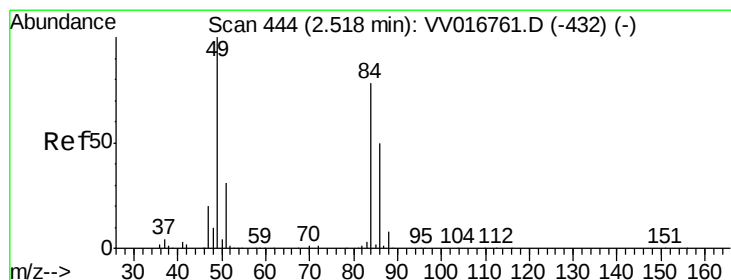
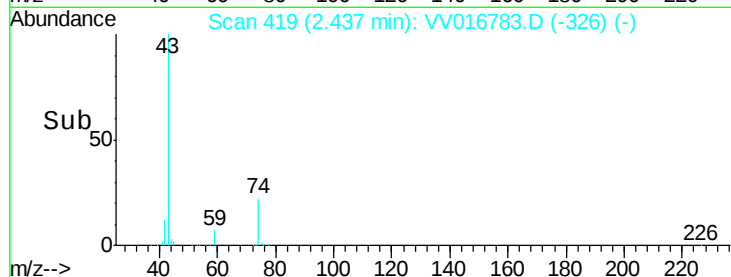
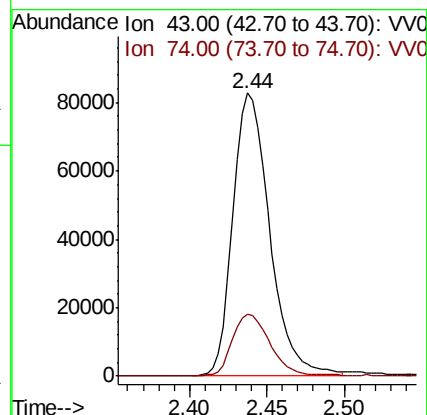
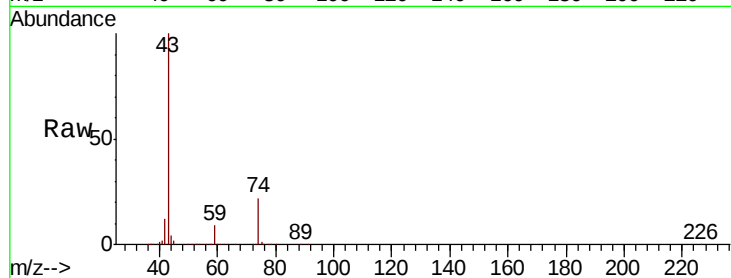




#15
Methvl Acetate
Concen: 49.525 ug/L
RT: 2.44 min Scan# 419
Delta R.T. -0.00 min
Lab File: VV016783.D
Acq: 10 Jun 2020 20:48

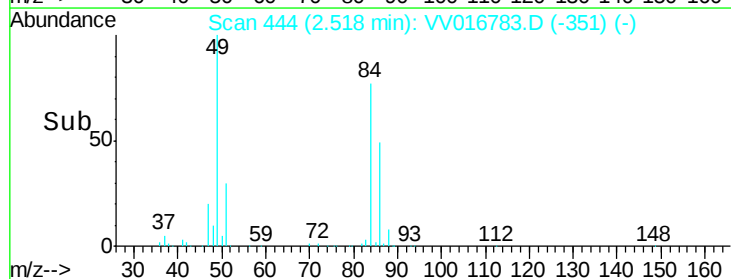
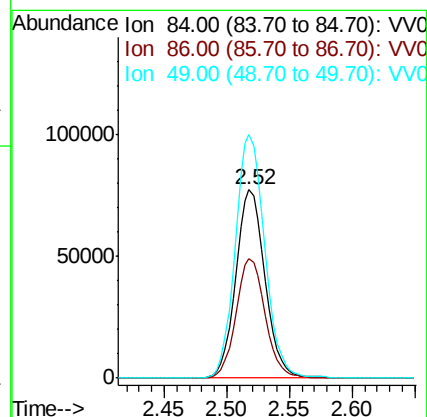
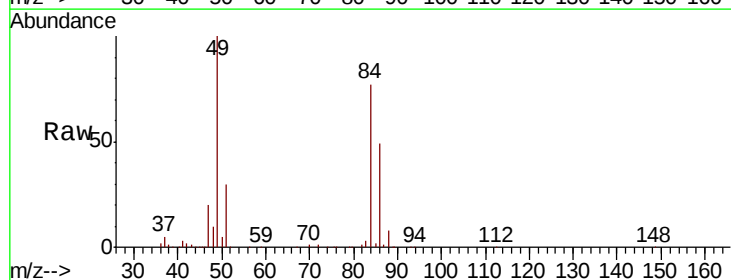
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

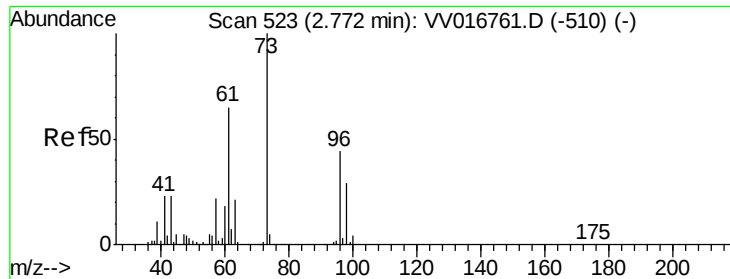
Tot Ion: 43 Resp: 135894
Ion Ratio Lower Upper
43 100
74 22.8 17.9 26.9



#16
Methylene chloride
Concen: 47.971 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV016783.D
Acq: 10 Jun 2020 20:48

Tgt Ion: 84 Resp: 124999
Ion Ratio Lower Upper
84 100
86 63.6 44.0 81.8
49 129.2 90.9 168.9

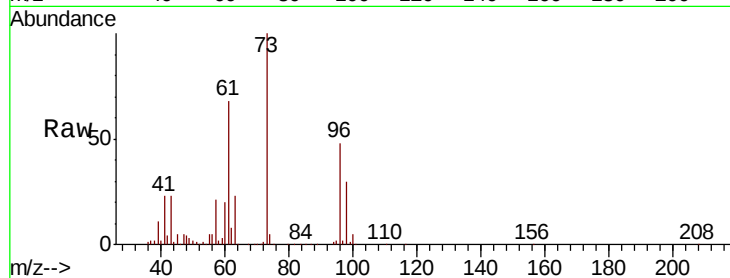




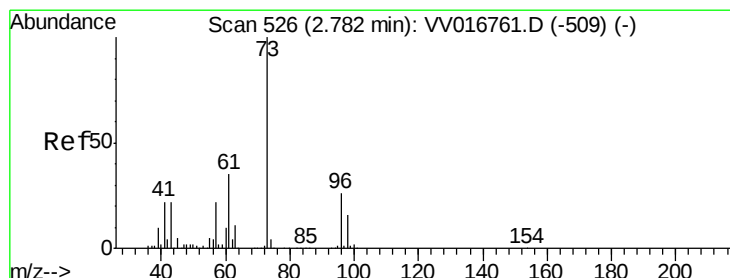
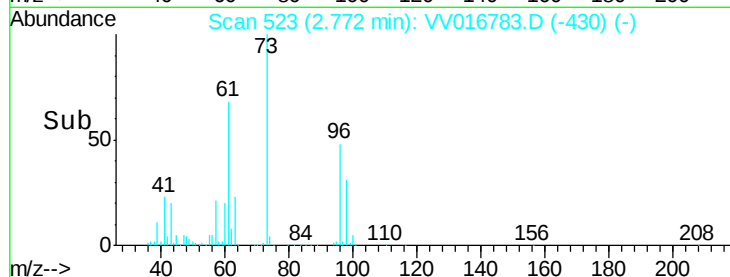
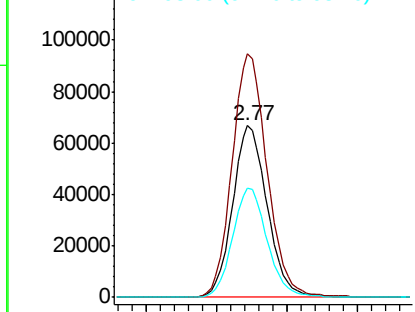
#17
trans-1,2-Dichloroethene
Concen: 47.271 ug/L
RT: 2.77 min Scan# 523
Delta R.T. -0.00 min
Lab File: VV016783.D
Acq: 10 Jun 2020 20:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tot Ion: 96 Resp: 114448
Ion Ratio Lower Upper
96 100
61 141.9 102.9 191.1
98 64.0 45.5 84.5

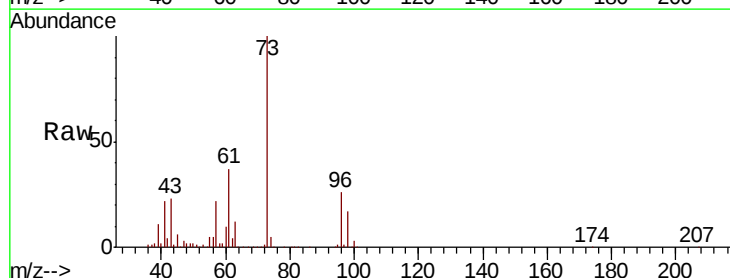


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

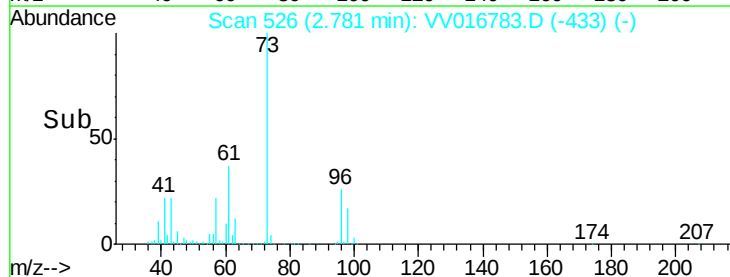
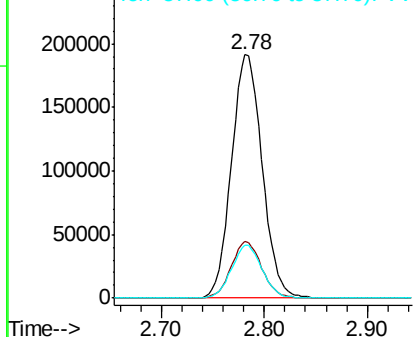


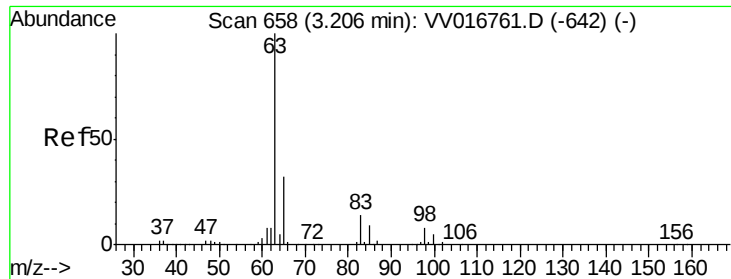
#18
Methyl tert-butyl Ether
Concen: 49.585 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV016783.D
Acq: 10 Jun 2020 20:48

Tgt Ion: 73 Resp: 397785
Ion Ratio Lower Upper
73 100
43 22.8 17.8 26.6
57 21.4 17.7 26.5



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

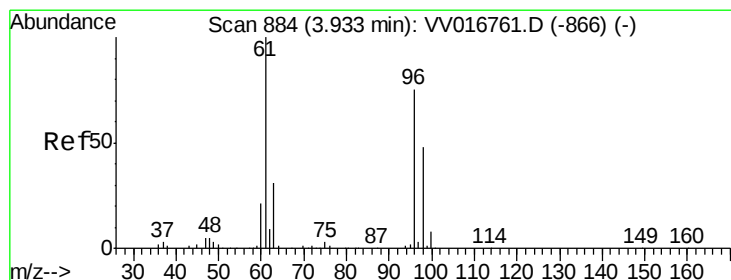
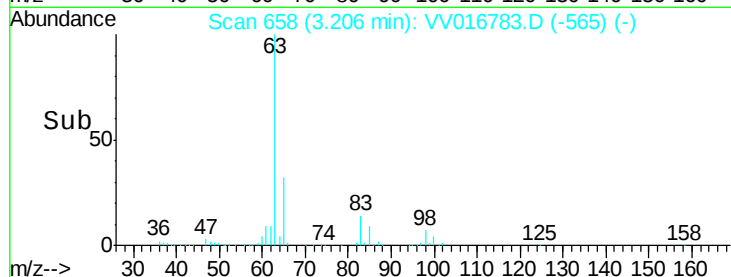
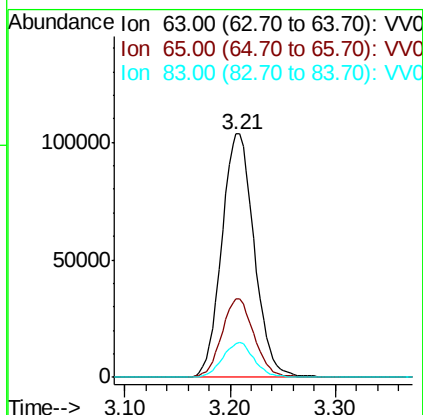
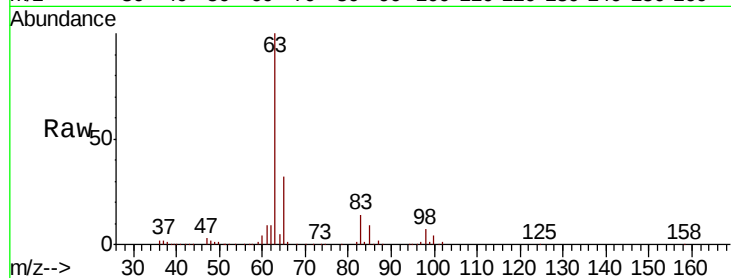




#19
 1,1-Dichloroethane
 Concen: 48.381 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV016783.D
 Acq: 10 Jun 2020 20:48

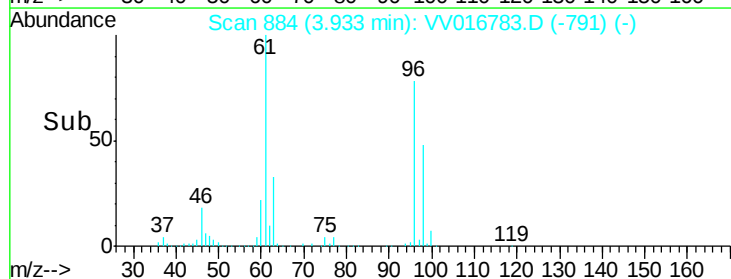
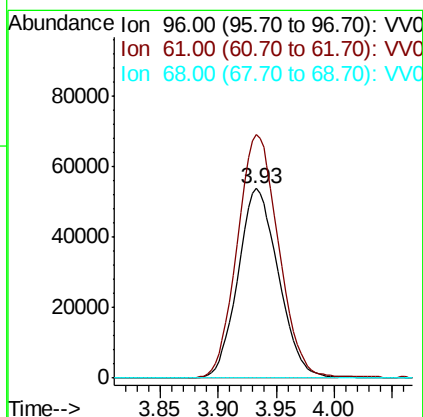
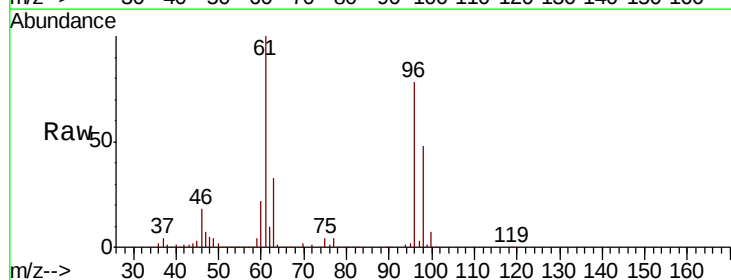
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05080

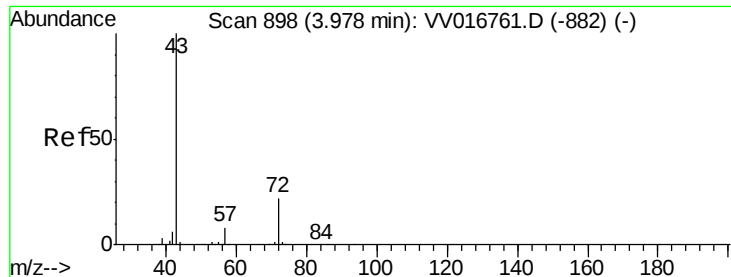
Tot Ion	63	Resp	220489
Ion	Ratio	Lower	Upper
63	100		
65	32.2	23.2	43.0
83	13.7	10.0	18.6



#20
 cis-1,2-Dichloroethene
 Concen: 49.516 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV016783.D
 Acq: 10 Jun 2020 20:48

Tgt Ion	96	Resp	130698
Ion	Ratio	Lower	Upper
96	100		
61	128.3	93.4	173.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 98.953 ug/L

RT: 3.98 min Scan# 899

Delta R.T. 0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

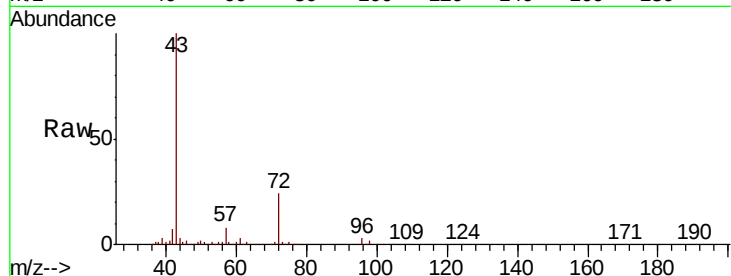
VSTD05080

Tot Ion: 43 Resp: 187859

Ion Ratio Lower Upper

43 100

72 22.7 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV016783.D (-805) (-)

Ion 72.00 (71.70 to 72.70): VV016783.D (-805) (-)

3.98

80000

60000

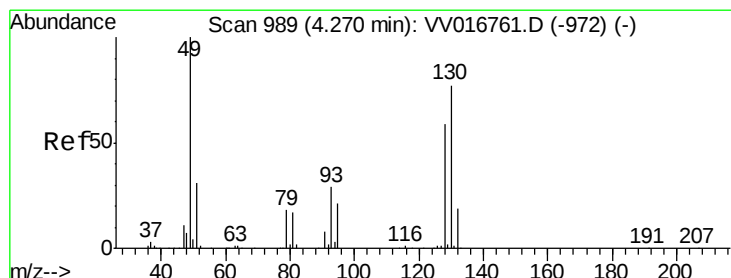
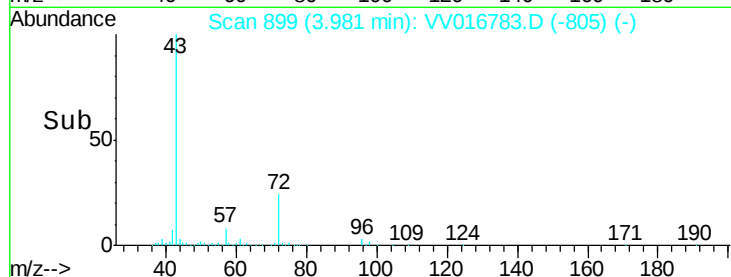
40000

20000

0

3.90 4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 48.983 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Tgt Ion: 128 Resp: 68108

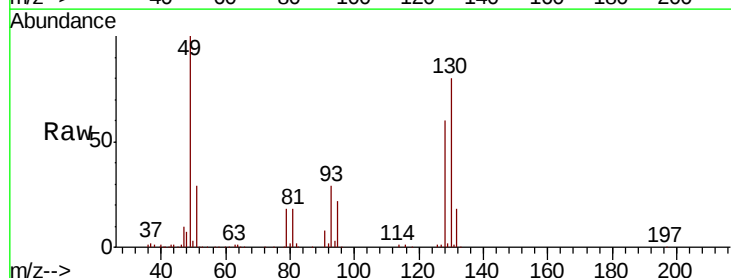
Ion Ratio Lower Upper

128 100

49 166.2 111.9 207.9

130 132.8 91.5 169.9

51 48.7 42.1 63.1



Abundance Ion 128.00 (127.70 to 128.70): VV016783.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV016783.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV016783.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV016783.D (-896) (-)

60000

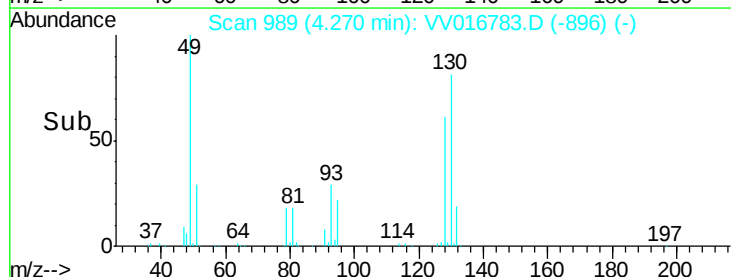
40000

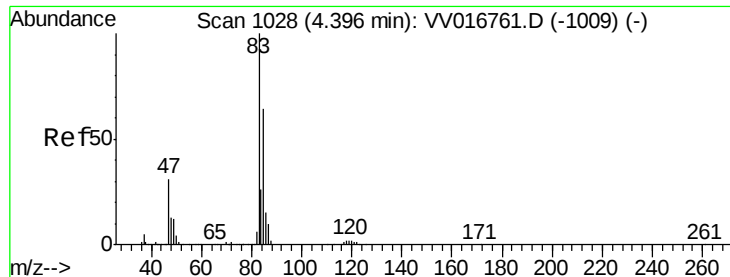
20000

0

4.20 4.25 4.30 4.35

Time-->

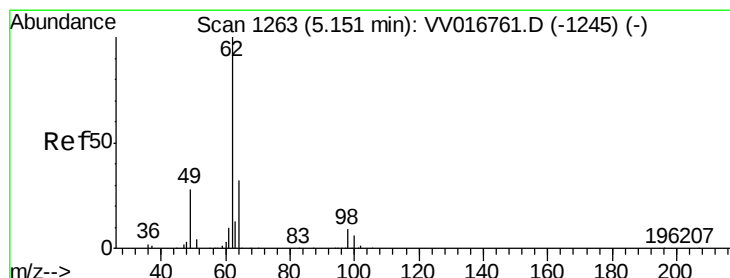
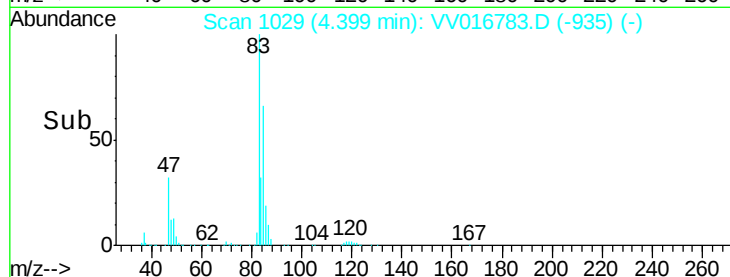
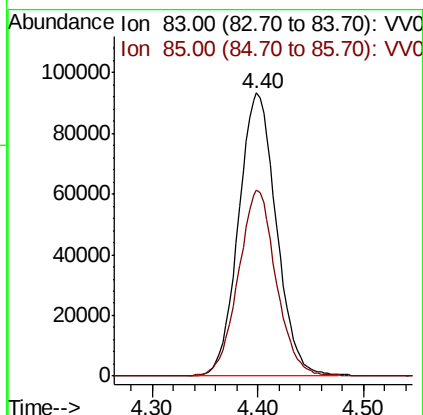
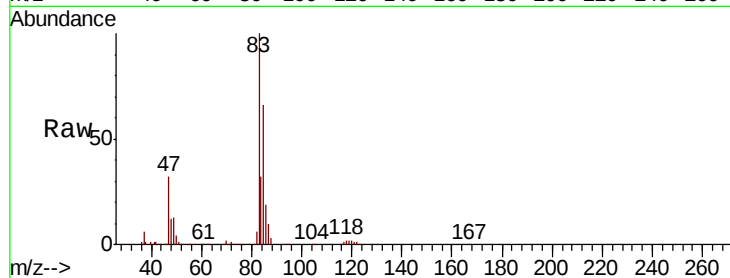




#25
Chloroform
Concen: 49.608 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV016783.D
Acq: 10 Jun 2020 20:48

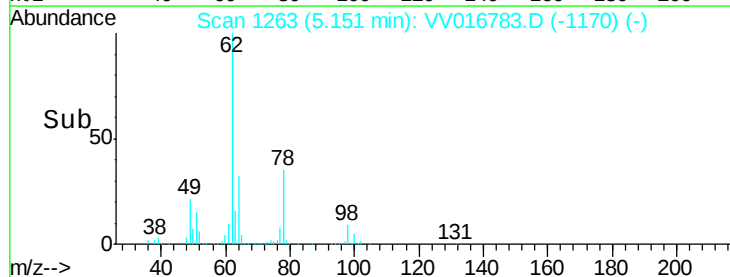
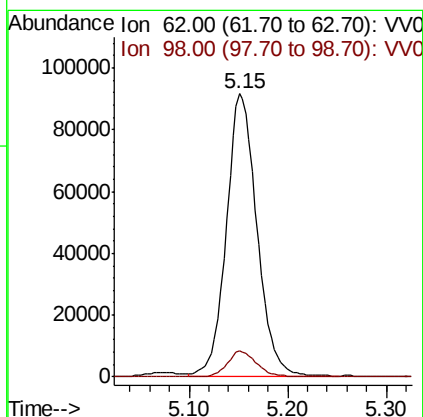
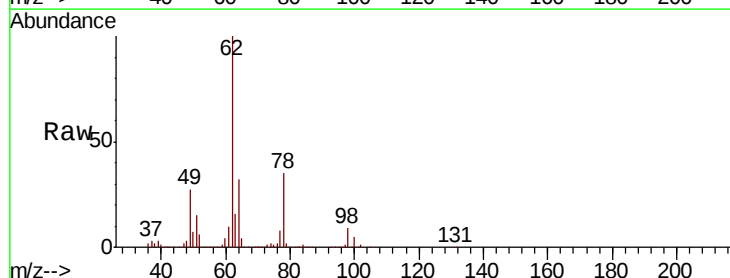
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

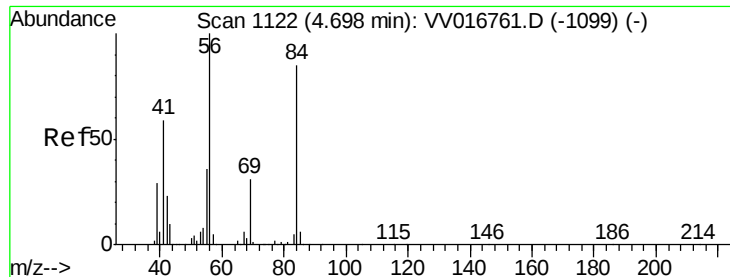
Tot Ion: 83 Resp: 232347
Ion Ratio Lower Upper
83 100
85 65.9 44.1 81.9



#27
1,2-Dichloroethane
Concen: 50.745 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV016783.D
Acq: 10 Jun 2020 20:48

Tgt Ion: 62 Resp: 199234
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.2

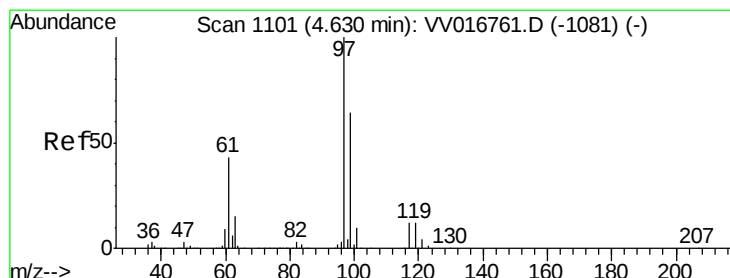
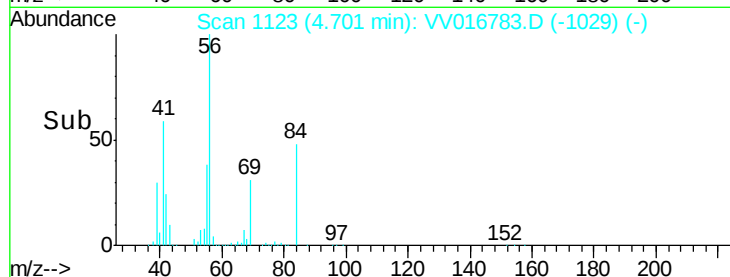
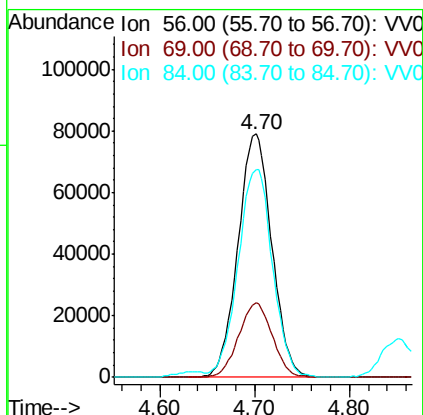
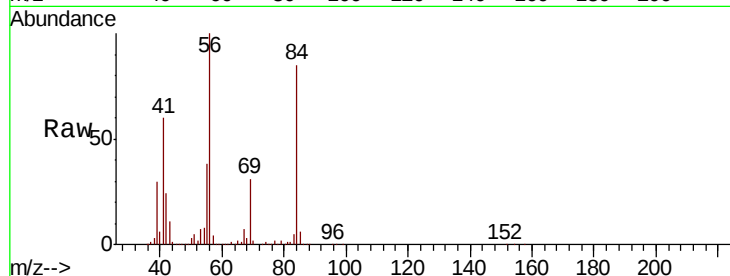




#29
Cyclohexane
Concen: 45.767 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV016783.D
Acq: 10 Jun 2020 20:48

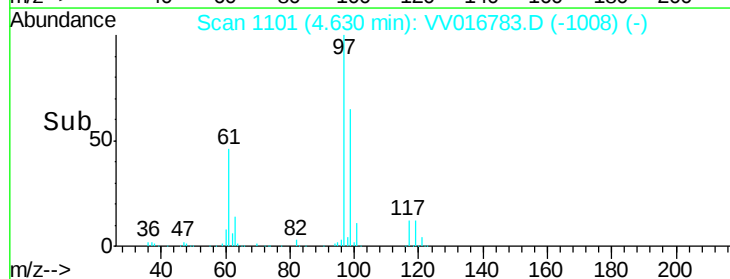
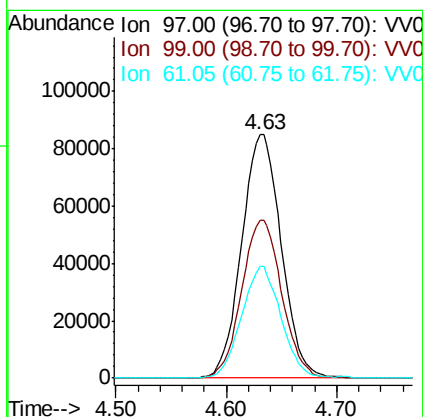
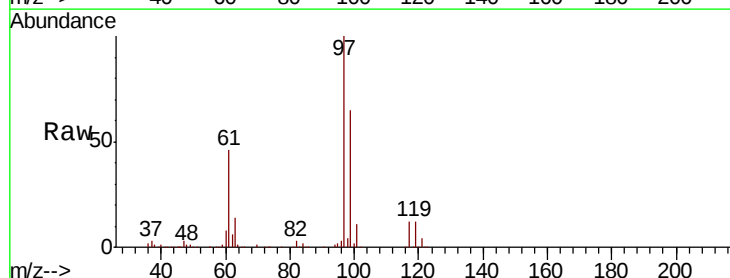
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

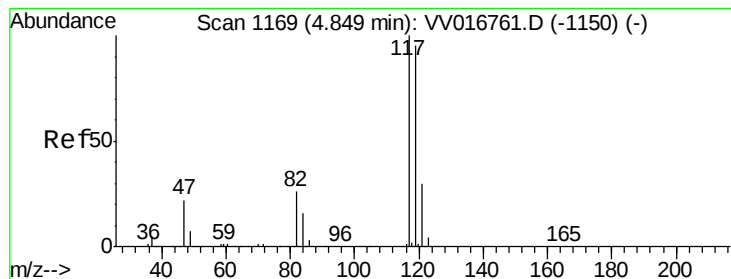
Tot Ion: 56 Resp: 196207
Ion Ratio Lower Upper
56 100
69 30.5 25.0 37.4
84 87.0 69.5 104.3



#30
1,1,1-Trichloroethane
Concen: 48.077 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV016783.D
Acq: 10 Jun 2020 20:48

Tgt Ion: 97 Resp: 211525
Ion Ratio Lower Upper
97 100
99 65.6 51.3 76.9
61 45.4 36.7 55.1





#31

Carbon tetrachloride

Concen: 48.305 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

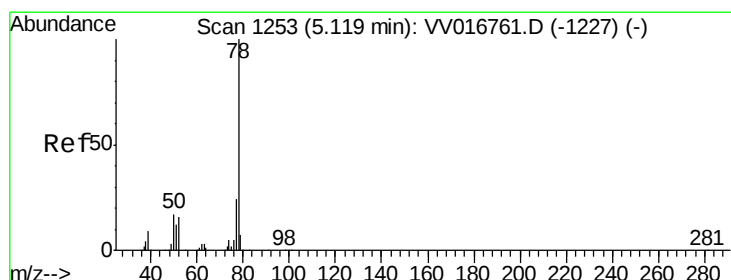
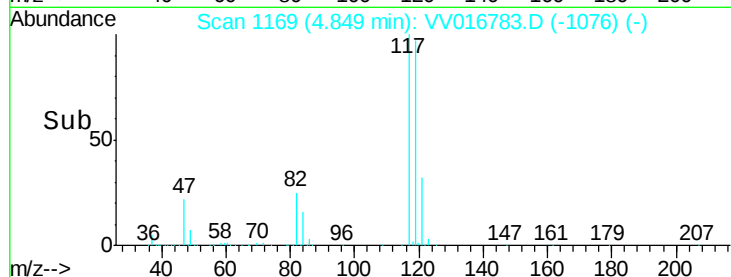
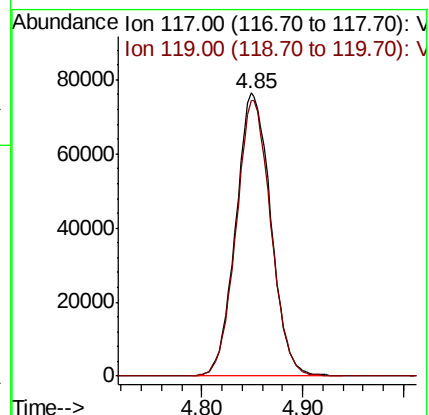
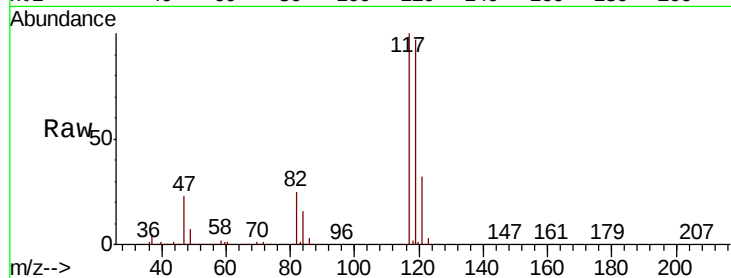
VSTD05080

Tot Ion:117 Resp: 183856

Ion Ratio Lower Upper

117 100

119 96.4 77.4 116.2



#33

Benzene

Concen: 46.937 ug/L

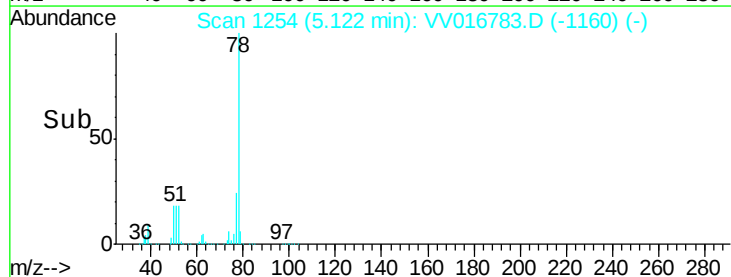
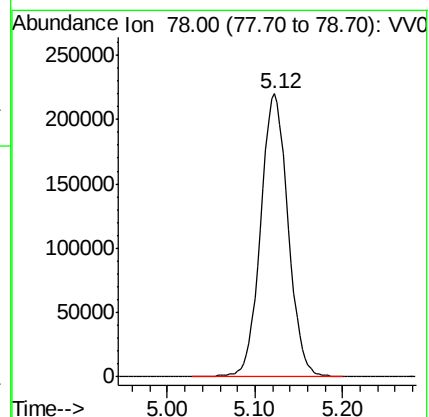
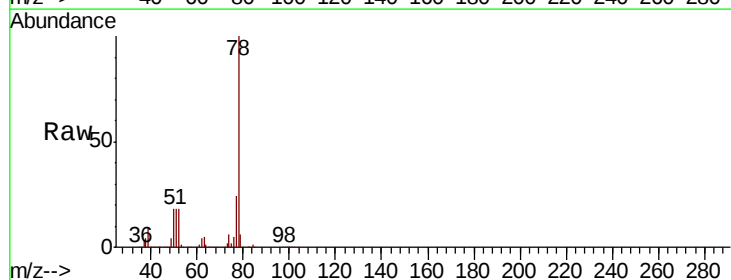
RT: 5.12 min Scan# 1254

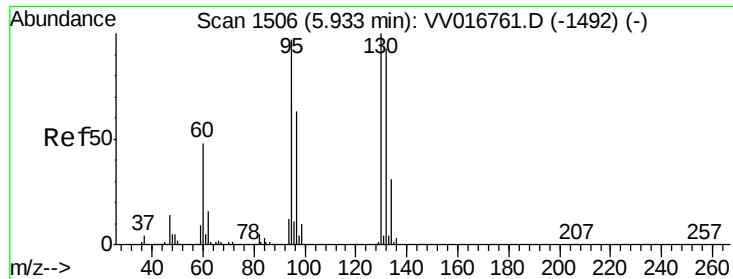
Delta R.T. 0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Tgt Ion: 78 Resp: 479105

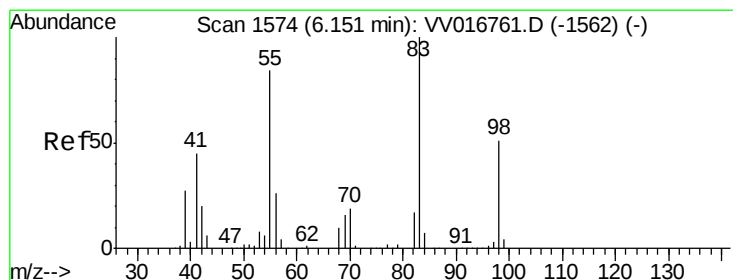
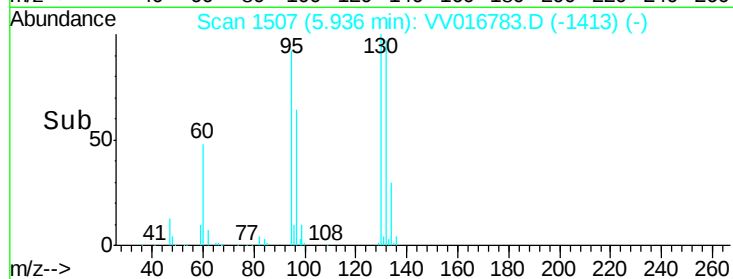
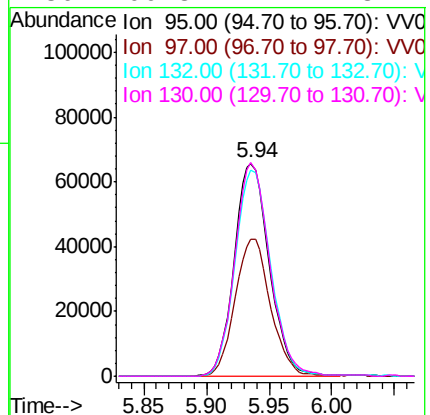
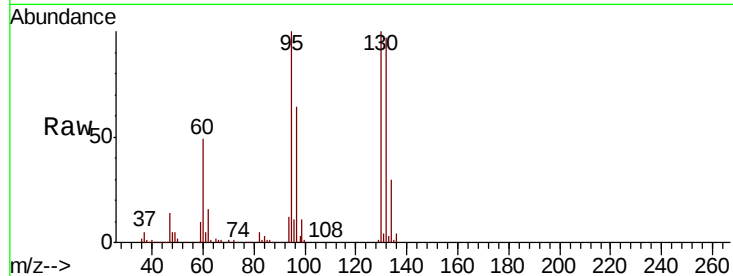




#34
 Trichloroethene
 Concen: 46.650 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016783.D
 Acq: 10 Jun 2020 20:48

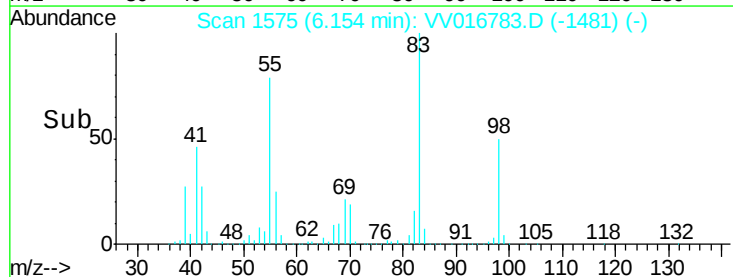
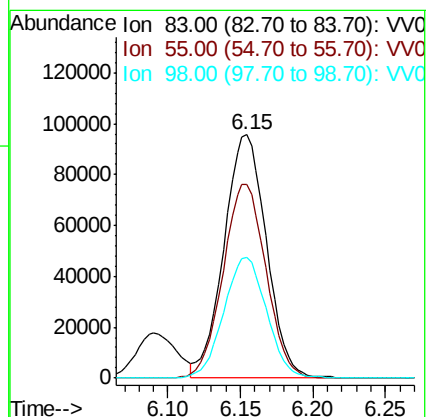
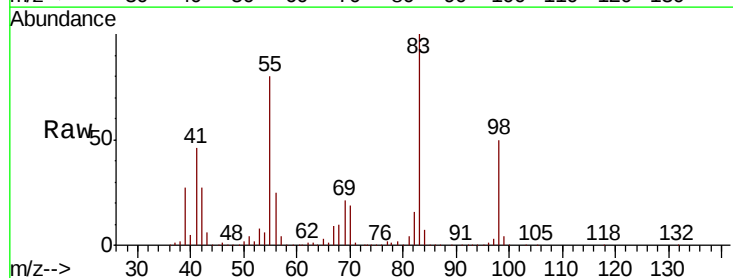
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

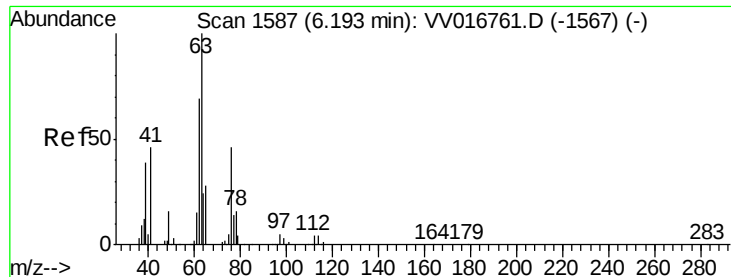
Tot Ion:	95	Resp:	127709
Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.3	82.3
132	96.9	67.9	126.1
130	100.3	72.2	134.2



#35
 Methylcyclohexane
 Concen: 44.891 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV016783.D
 Acq: 10 Jun 2020 20:48

Tgt Ion:	83	Resp:	192794
Ion	Ratio	Lower	Upper
83	100		
55	81.0	64.2	96.2
98	50.4	40.3	60.5





#37

1,2-Dichloropropane

Concen: 46.594 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

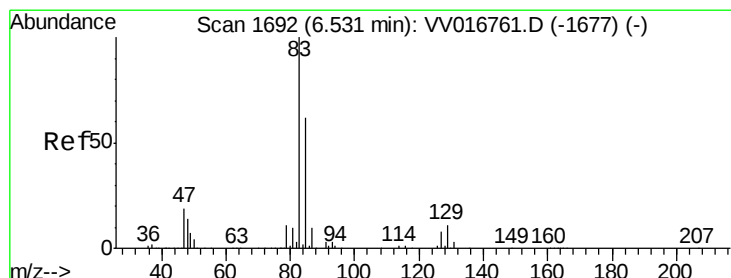
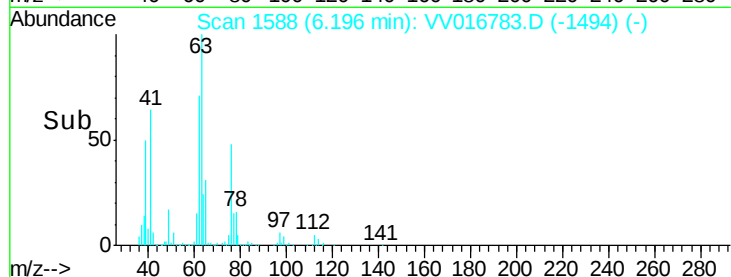
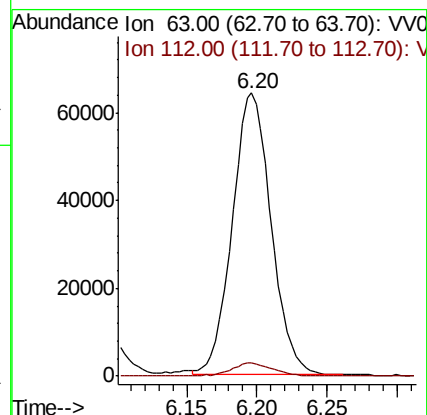
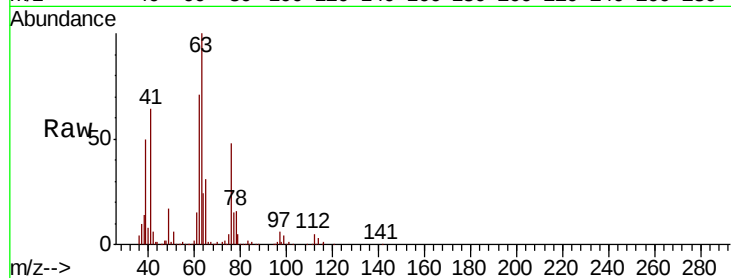
VSTD05080

Tot Ion: 63 Resp: 123684

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.6



#38

Bromodichloromethane

Concen: 48.774 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

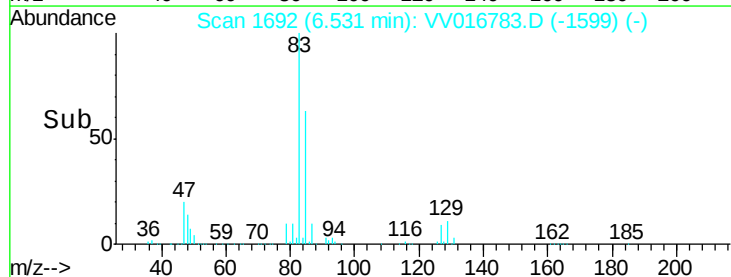
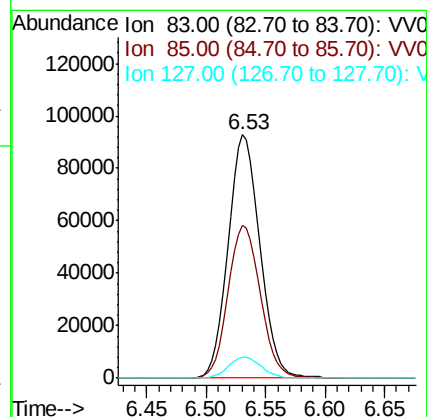
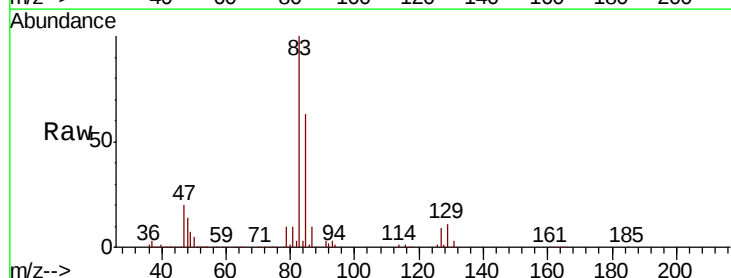
Tgt Ion: 83 Resp: 172353

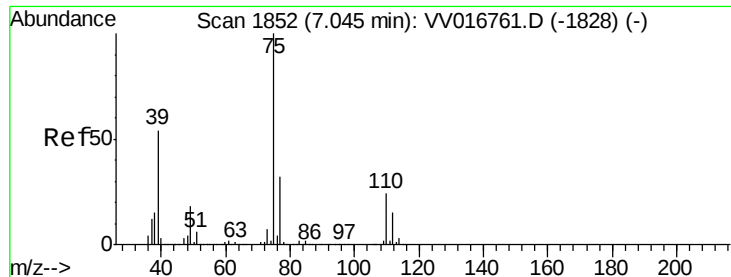
Ion Ratio Lower Upper

83 100

85 62.5 44.4 82.5

127 8.6 7.4 11.0

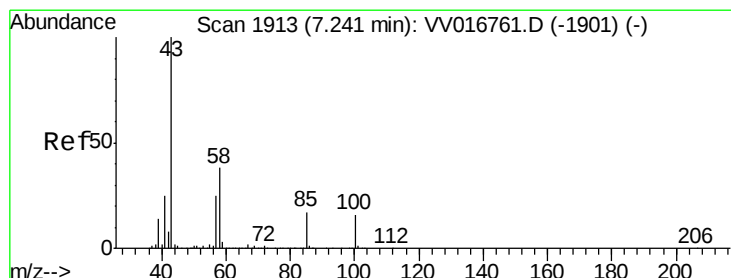
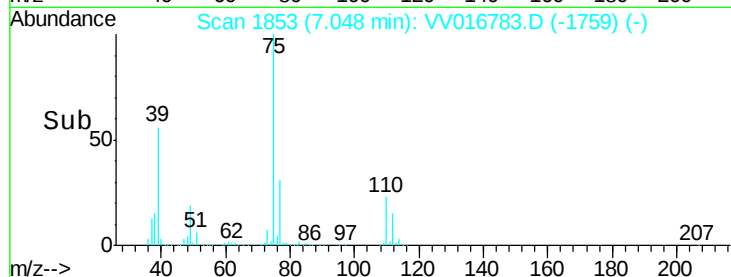
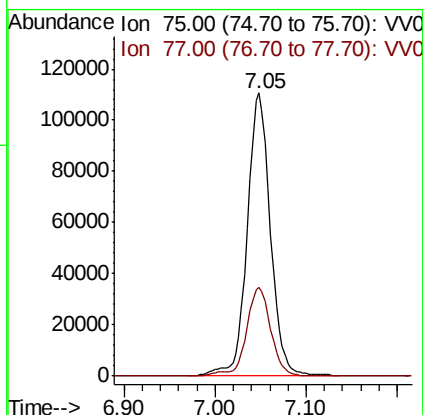
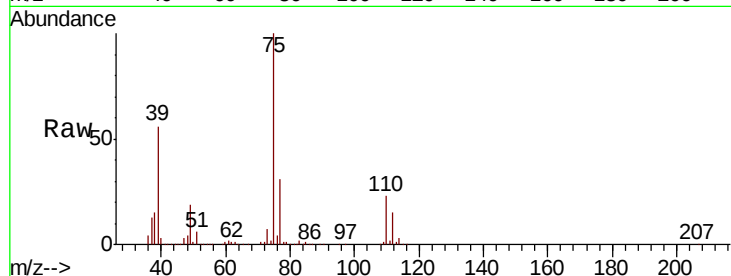




#39
 cis-1,3-Dichloropropene
 Concen: 47.697 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016783.D
 Acq: 10 Jun 2020 20:48

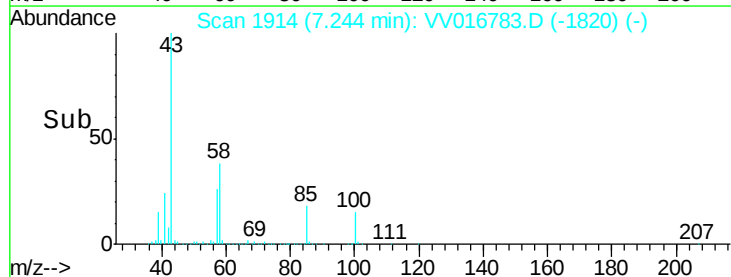
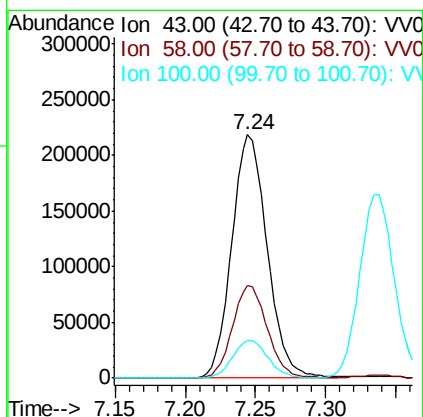
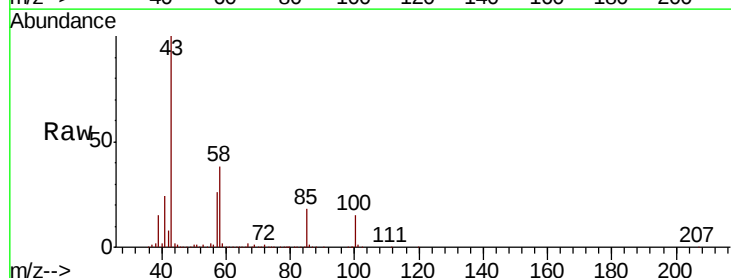
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

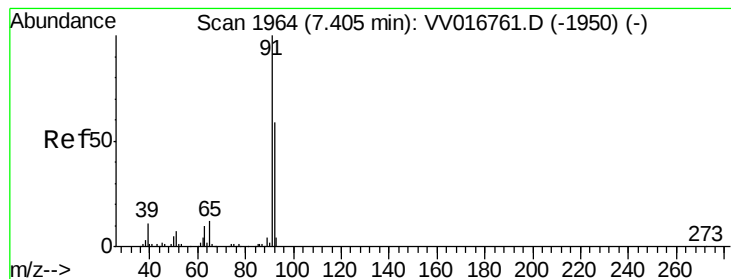
Tot Ion: 75 Resp: 196675
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 101.970 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV016783.D
 Acq: 10 Jun 2020 20:48

Tgt Ion: 43 Resp: 383561
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.2 45.4
 100 15.6 12.3 18.5





#42

Toluene

Concen: 47.962 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

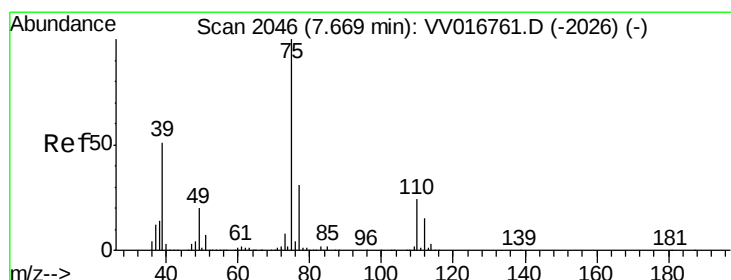
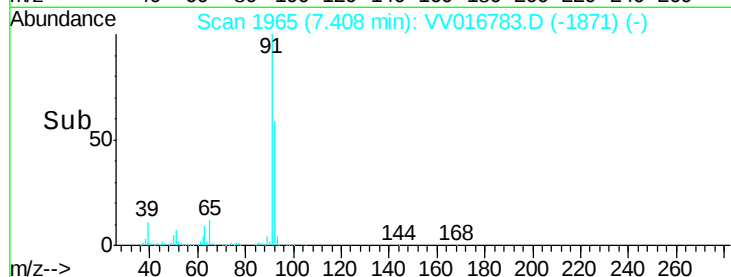
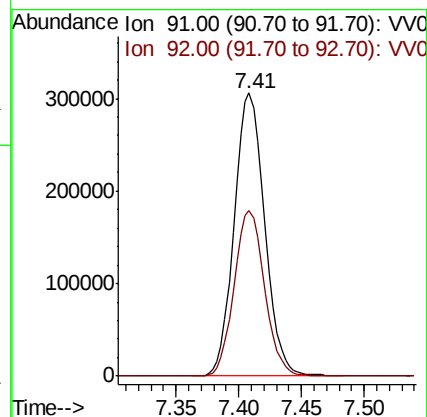
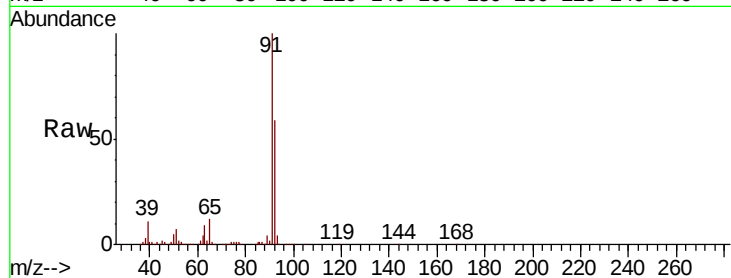
VSTD05080

Tot Ion: 91 Resp: 516096

Ion Ratio Lower Upper

91 100

92 58.5 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 48.205 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV016783.D

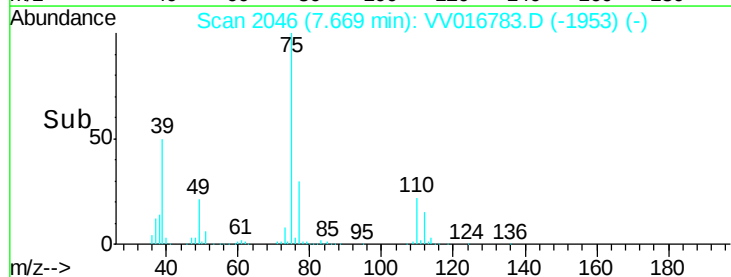
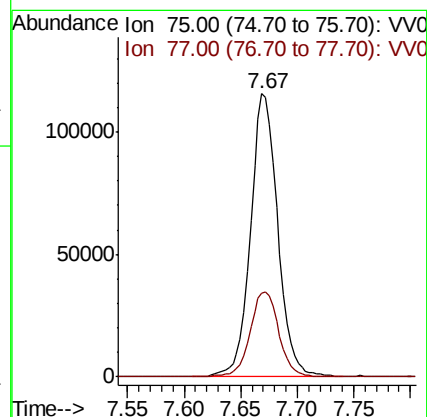
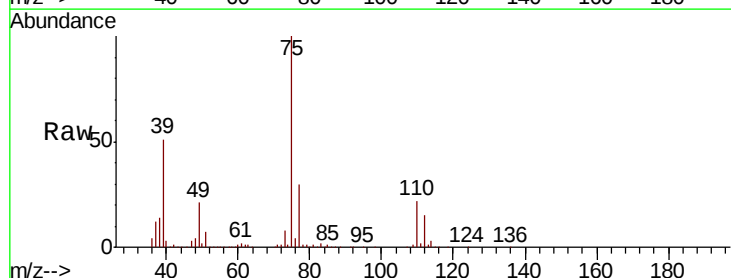
Acq: 10 Jun 2020 20:48

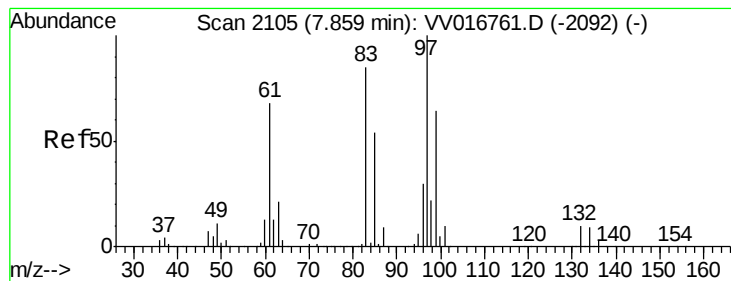
Tgt Ion: 75 Resp: 193240

Ion Ratio Lower Upper

75 100

77 29.8 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 48.300 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

Tot Ion: 97 Resp: 123697

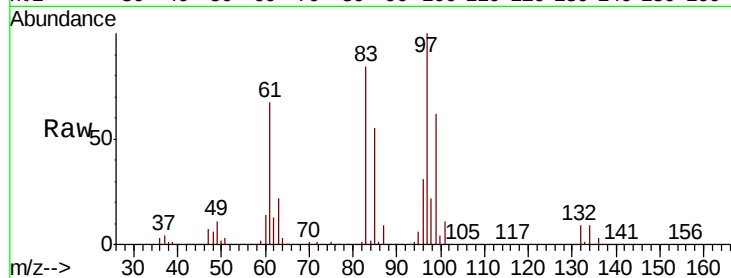
Ion Ratio Lower Upper

97 100

99 62.4 44.3 82.3

83 84.0 60.0 111.4

85 55.2 39.5 73.3

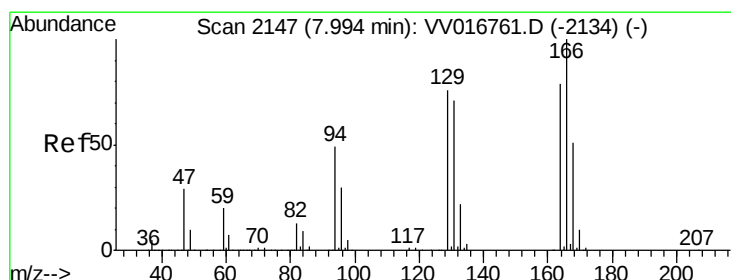
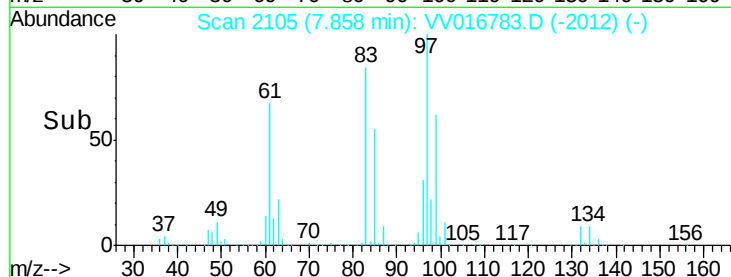
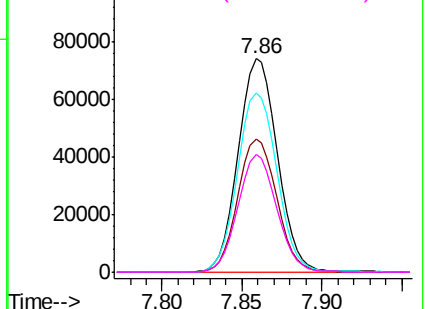


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 46.819 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Tgt Ion: 164 Resp: 100804

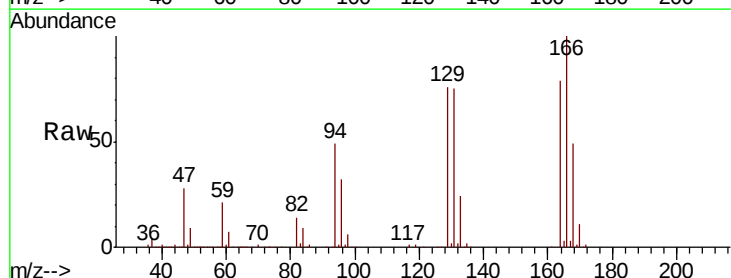
Ion Ratio Lower Upper

164 100

129 96.4 67.0 124.4

131 94.9 64.8 120.3

166 127.1 90.4 167.8

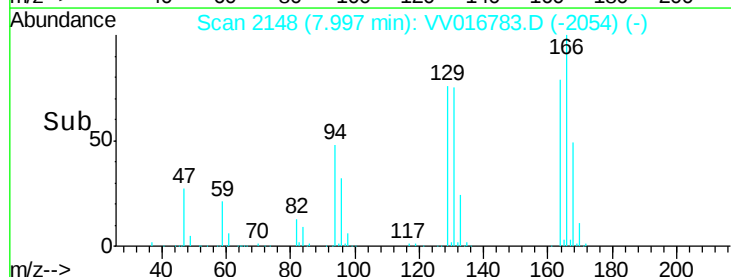
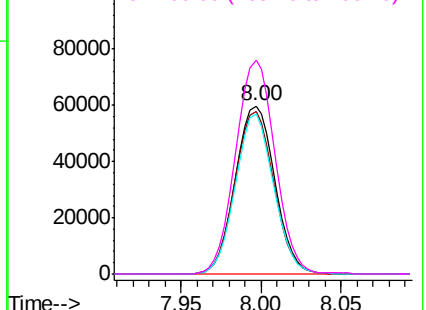


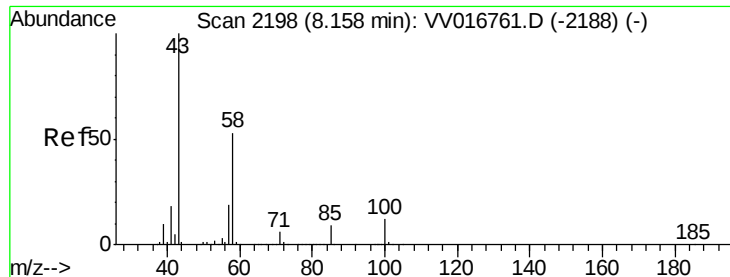
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

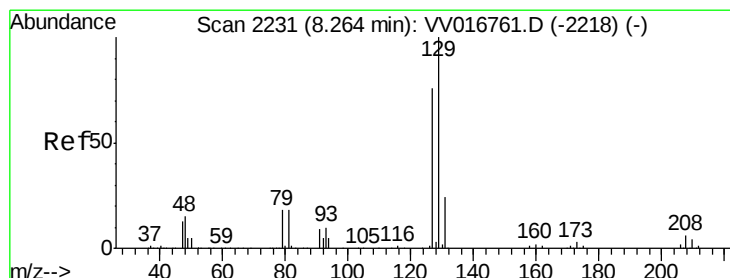
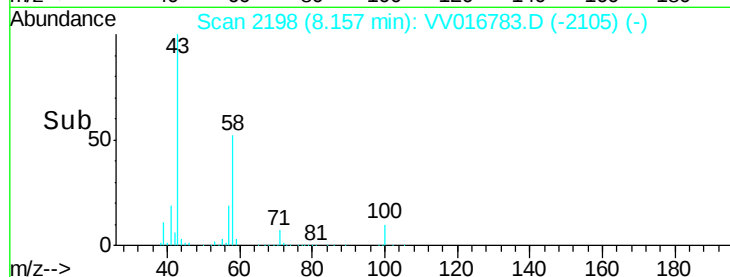
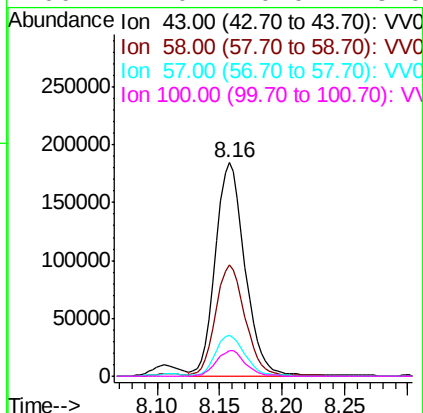
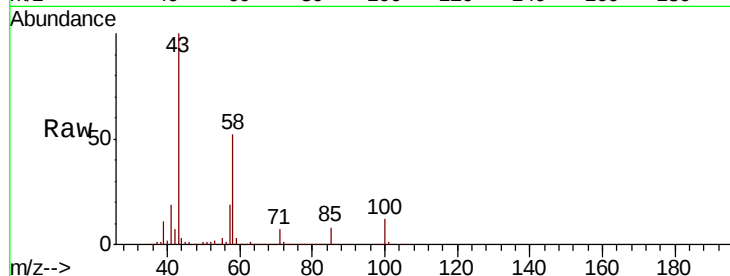




#48
2-Hexanone
Concen: 103.667 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV016783.D
Acq: 10 Jun 2020 20:48

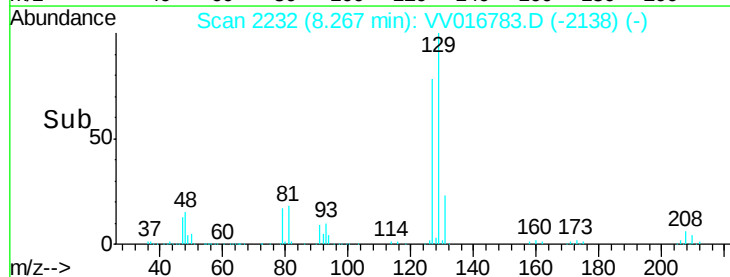
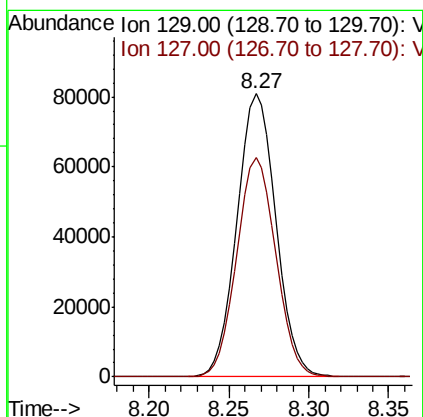
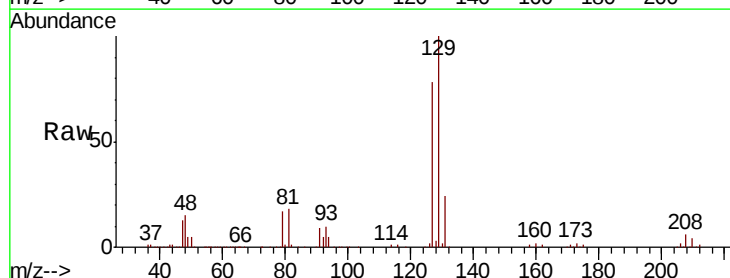
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

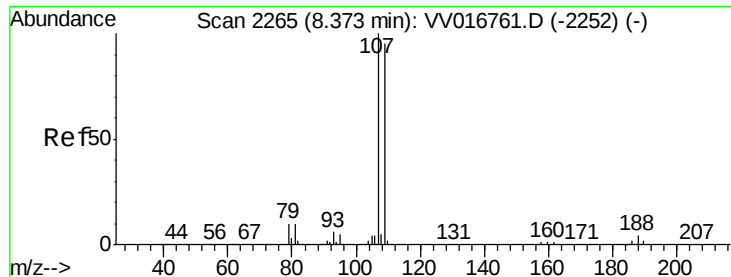
Tot Ion: 43 Resp: 302349
Ion Ratio Lower Upper
43 100
58 51.5 43.1 64.7
57 19.0 15.3 22.9
100 12.0 10.0 15.0



#49
Dibromochloromethane
Concen: 48.970 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016783.D
Acq: 10 Jun 2020 20:48

Tgt Ion: 129 Resp: 134094
Ion Ratio Lower Upper
129 100
127 77.5 54.2 100.6

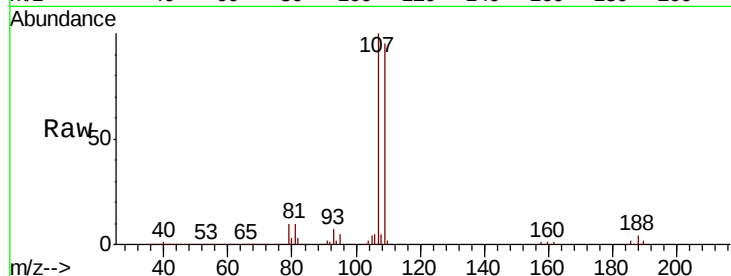




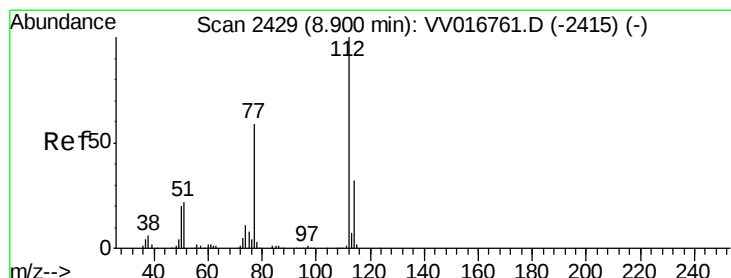
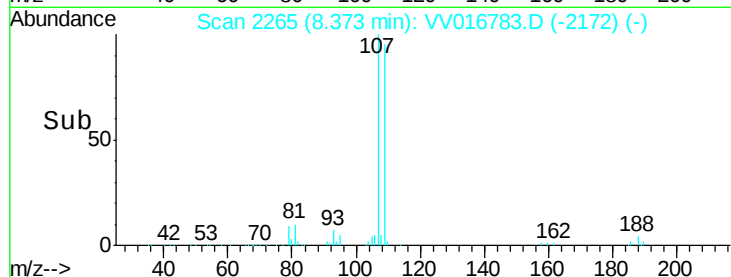
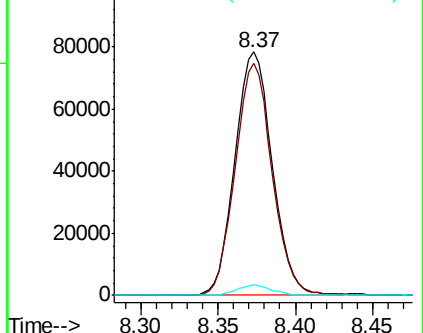
#50
 1,2-Dibromoethane
 Concen: 49.015 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV016783.D
 Acq: 10 Jun 2020 20:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	66.4	123.2
188	4.3	3.1	4.7

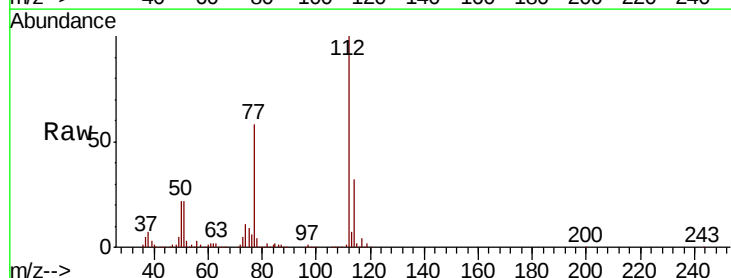


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

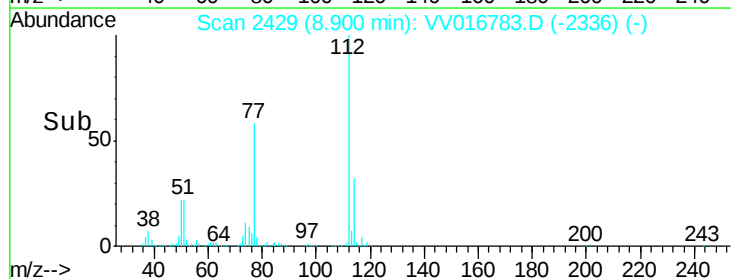
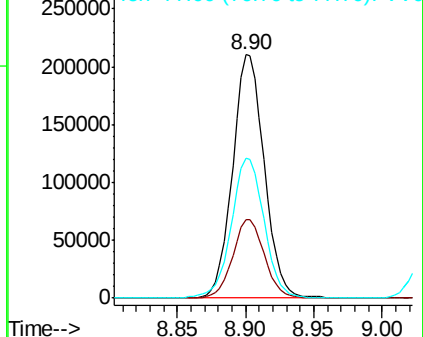


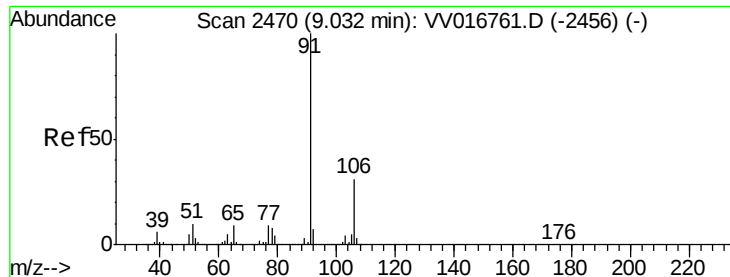
#51
 Chlorobenzene
 Concen: 48.329 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV016783.D
 Acq: 10 Jun 2020 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.3
77	57.7	47.9	71.9



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





#52

Ethylbenzene

Concen: 49.065 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

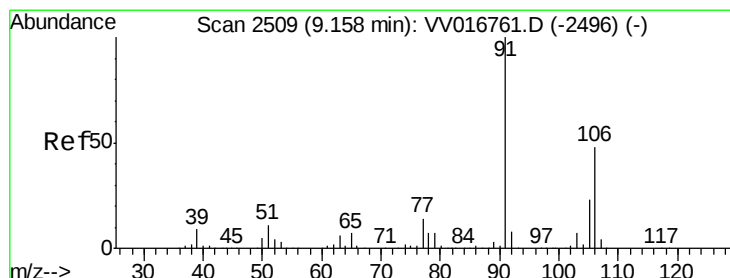
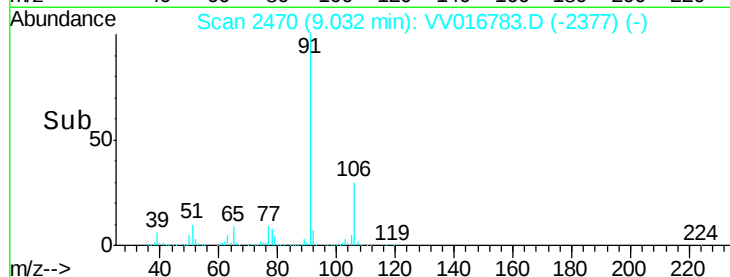
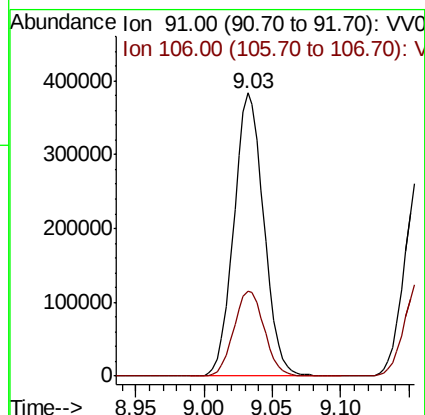
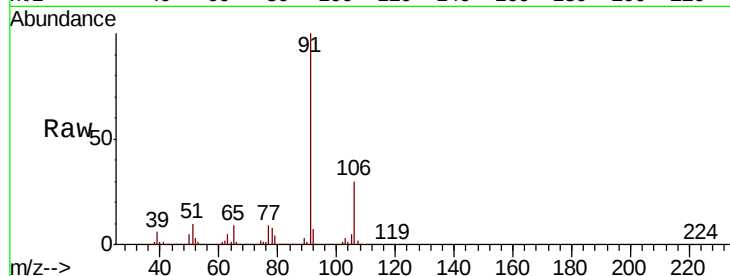
VSTD05080

Tot Ion: 91 Resp: 584788

Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.1



#53

m,p-Xylene

Concen: 48.462 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016783.D

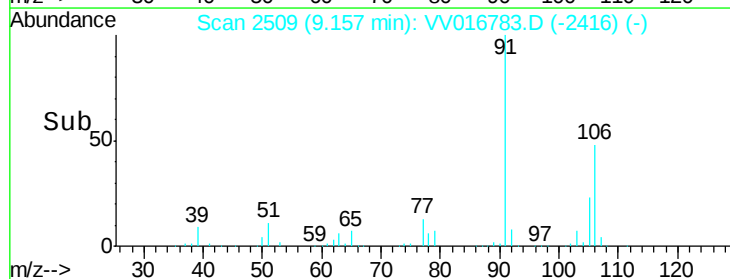
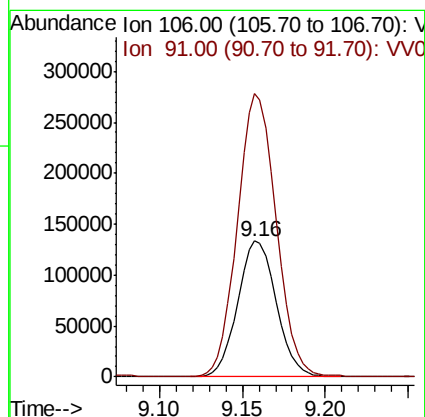
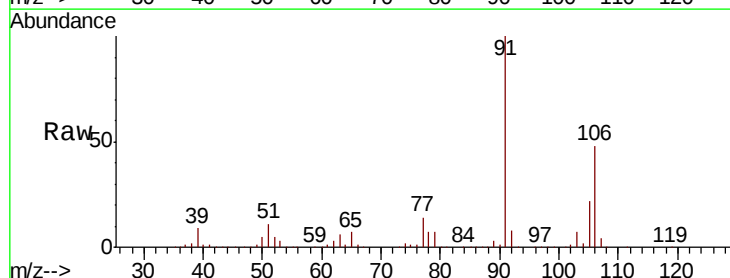
Acq: 10 Jun 2020 20:48

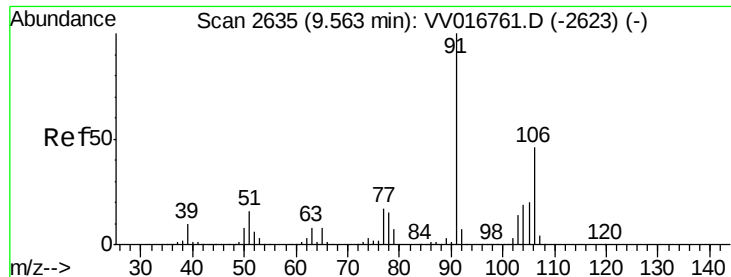
Tgt Ion: 106 Resp: 215062

Ion Ratio Lower Upper

106 100

91 208.2 144.6 268.6





#54

o-xylene

Concen: 49.189 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

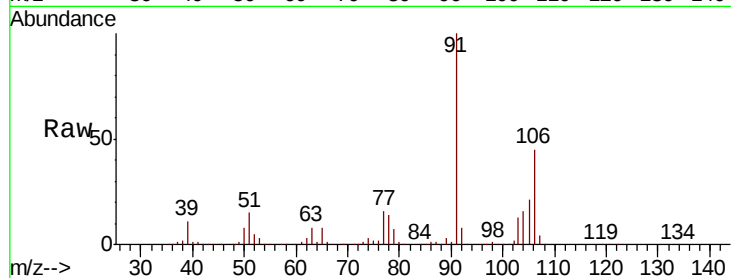
VSTD05080

Tot Ion:106 Resp: 215285

Ion Ratio Lower Upper

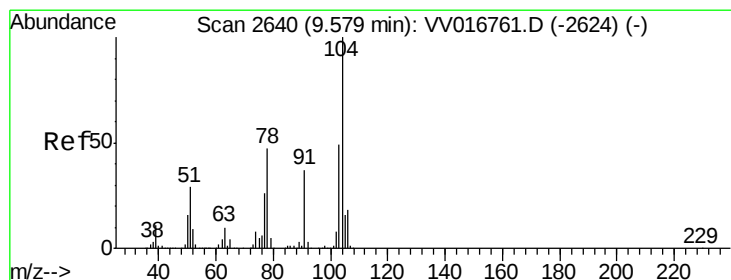
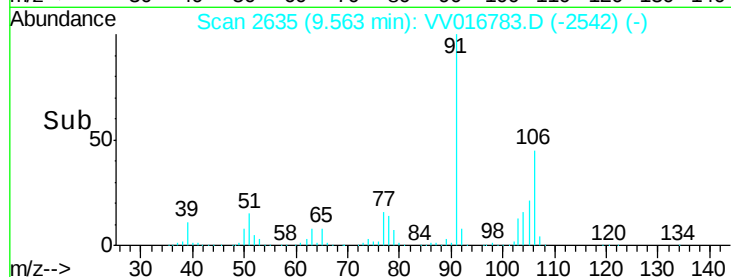
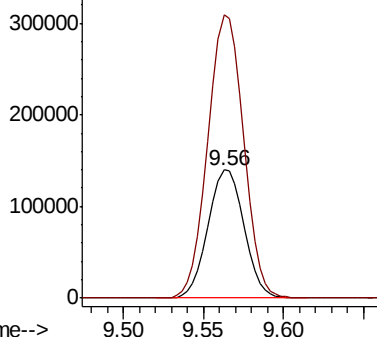
106 100

91 220.9 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.940 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016783.D

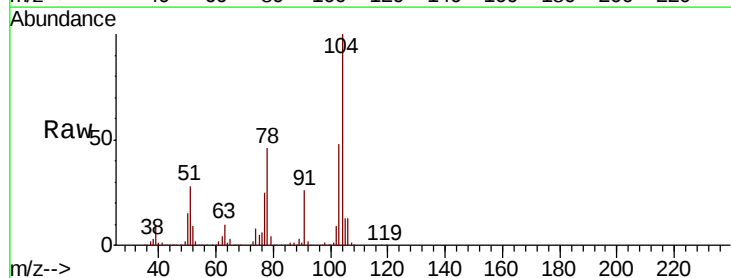
Acq: 10 Jun 2020 20:48

Tgt Ion:104 Resp: 376941

Ion Ratio Lower Upper

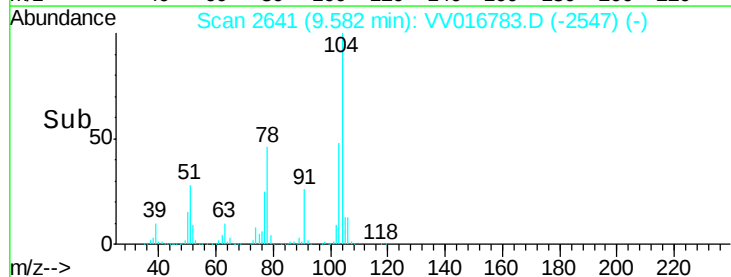
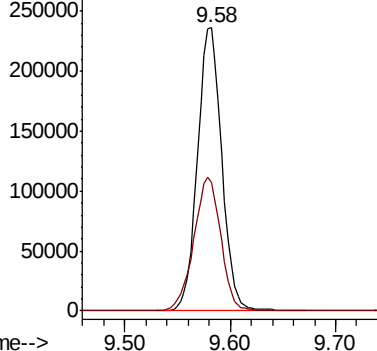
104 100

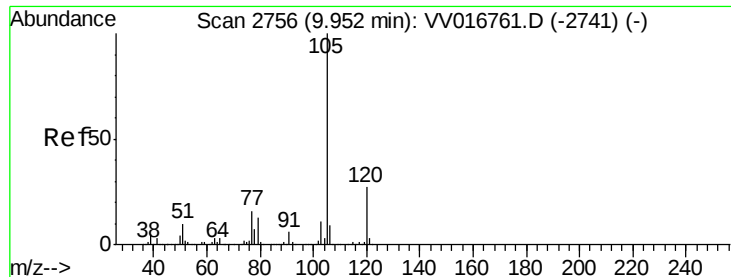
78 45.6 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.689 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

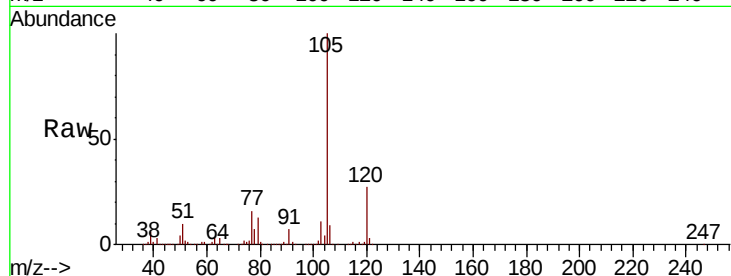
Tot Ion:105 Resp: 584356

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

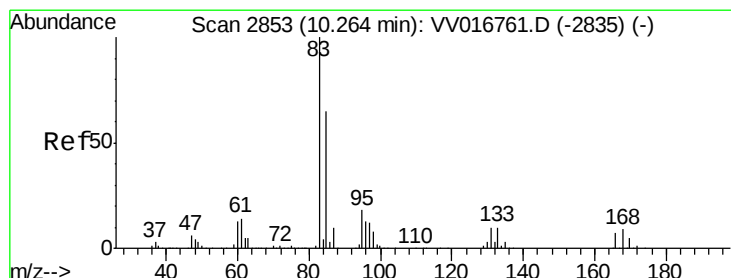
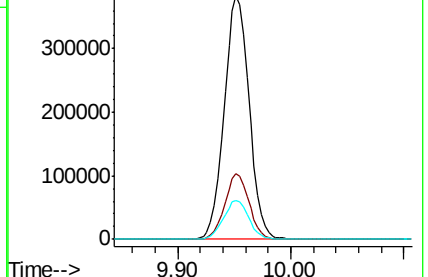
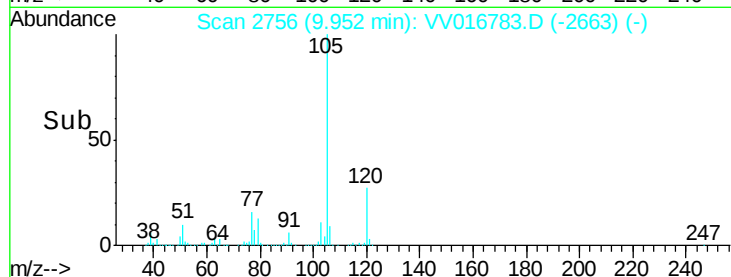
77 16.1 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.846 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

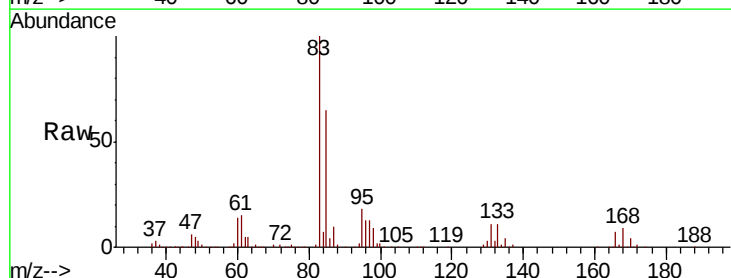
Tgt Ion: 83 Resp: 199652

Ion Ratio Lower Upper

83 100

85 65.3 46.8 86.8

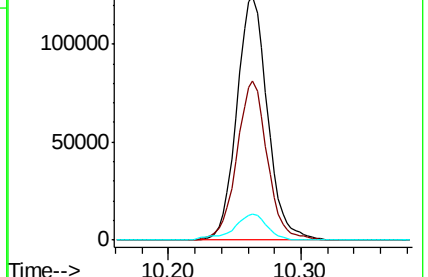
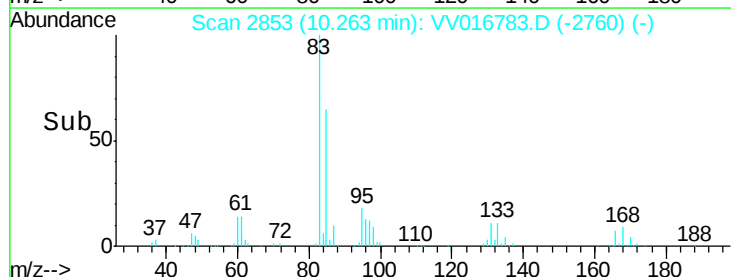
131 10.5 7.9 11.9

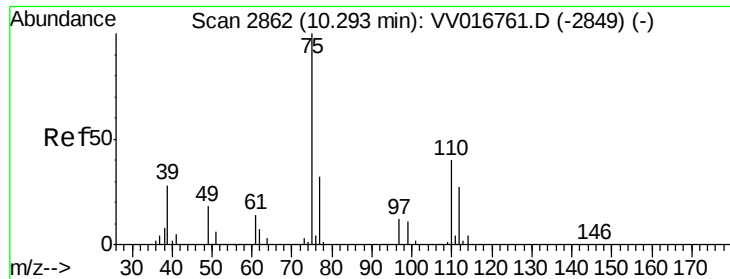


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.355 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

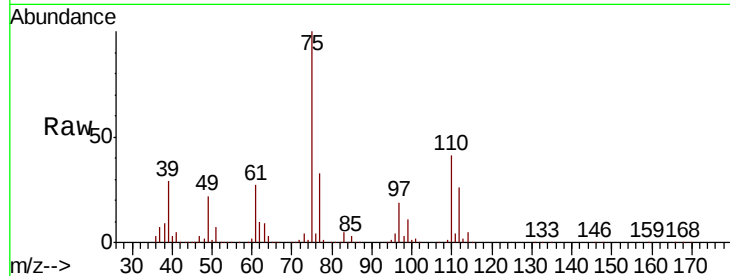
VSTD05080

Tot Ion: 75 Resp: 165846

Ion Ratio Lower Upper

75 100

77 32.0 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV016761.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV016761.D (-2849) (-)

10.30

120000

100000

80000

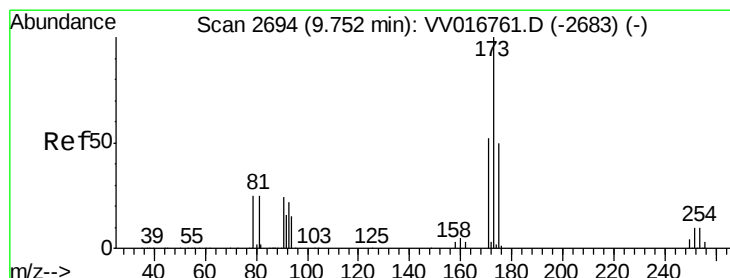
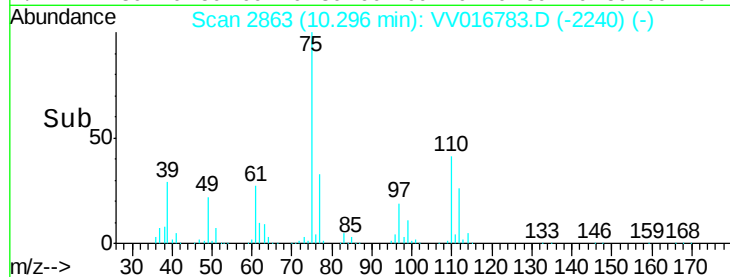
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 48.480 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

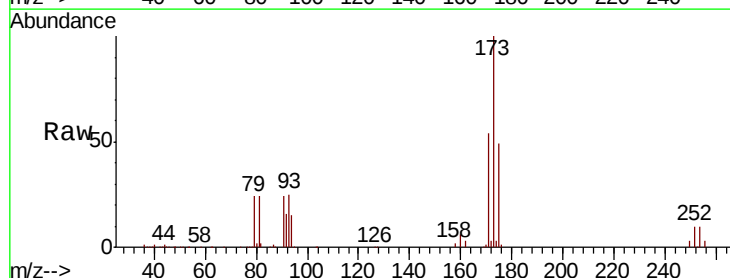
Tgt Ion: 173 Resp: 91657

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.4

254 9.8 7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): VV016761.D (-2683) (-)

Ion 175.00 (174.70 to 175.70): VV016761.D (-2683) (-)

Ion 254.00 (253.70 to 254.70): VV016761.D (-2683) (-)

9.75

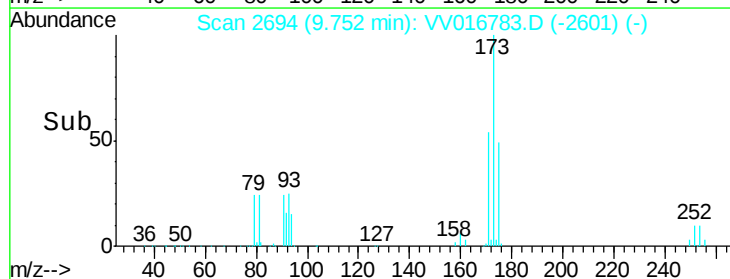
60000

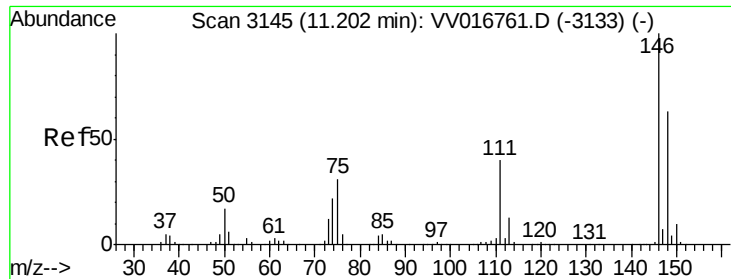
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 48.164 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

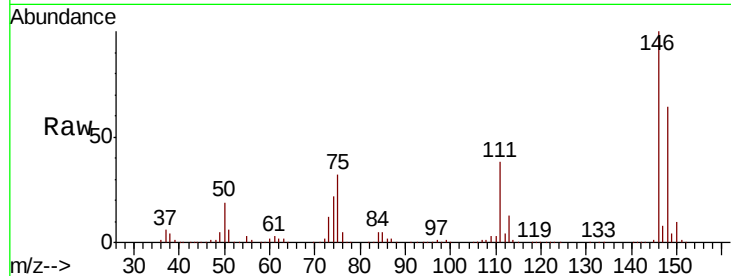
Tot Ion:146 Resp: 280400

Ion Ratio Lower Upper

146 100

111 38.3 28.3 52.7

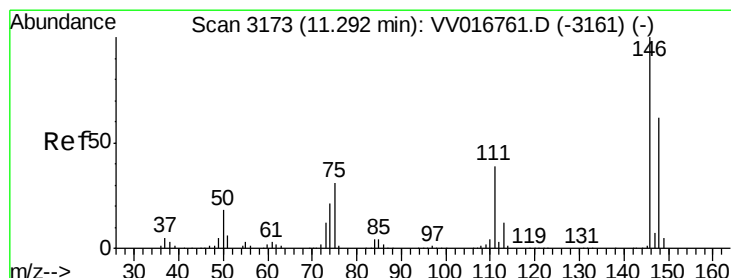
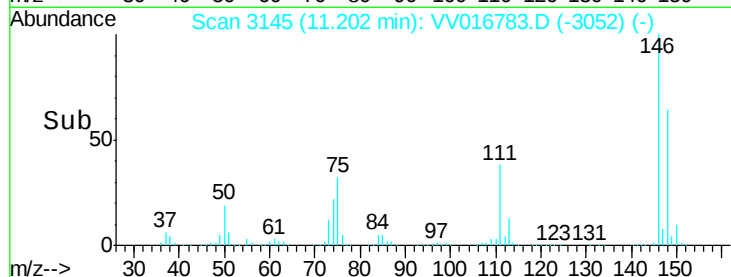
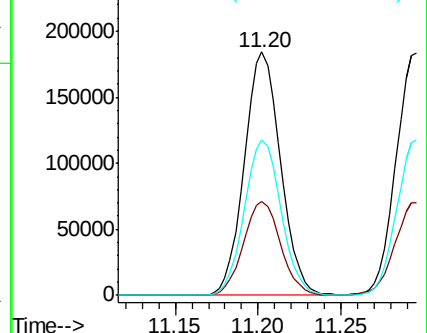
148 63.7 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.140 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

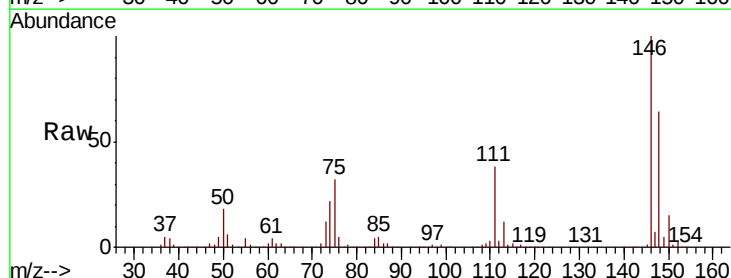
Tgt Ion:146 Resp: 285155

Ion Ratio Lower Upper

146 100

111 37.9 26.7 49.7

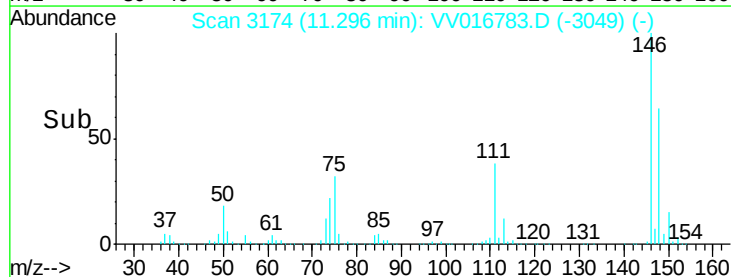
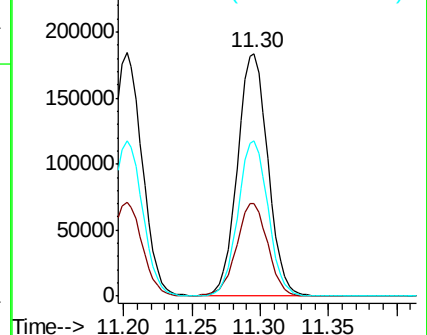
148 64.0 43.5 80.9

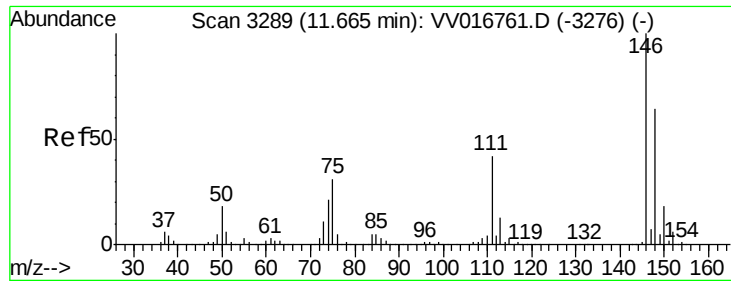


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.628 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleID :

VSTD05080

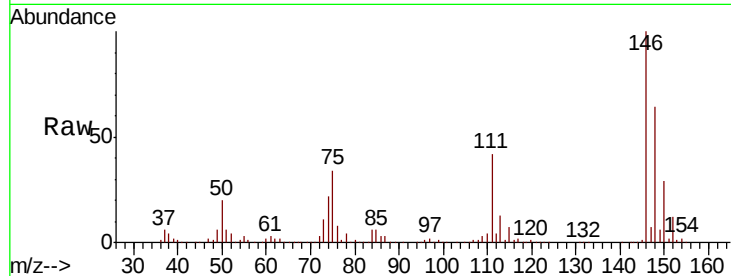
Tot Ion:146 Resp: 289546

Ion Ratio Lower Upper

146 100

111 42.3 33.7 50.5

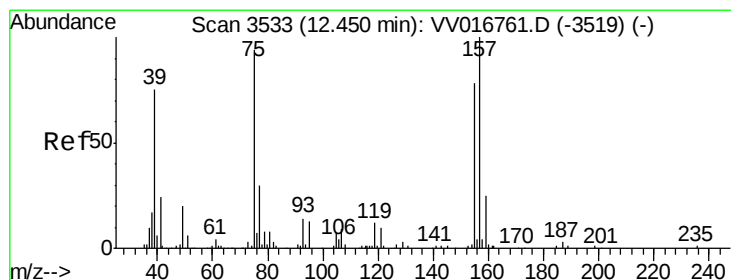
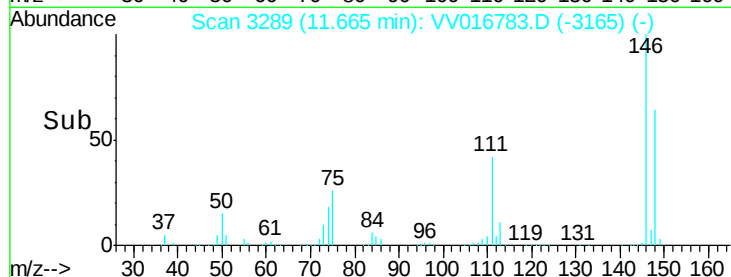
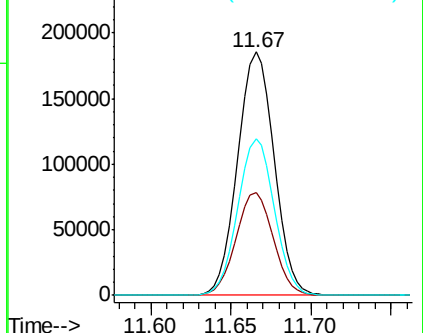
148 64.2 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 51.160 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

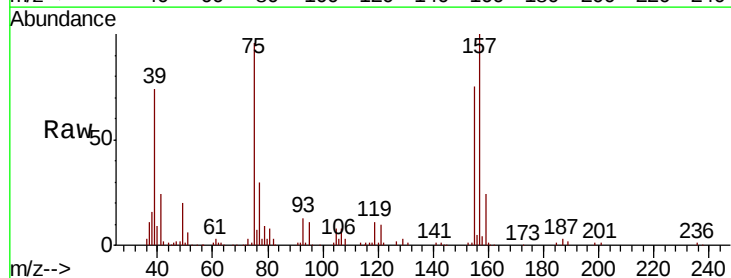
Tgt Ion: 75 Resp: 46933

Ion Ratio Lower Upper

75 100

155 78.0 69.8 104.6

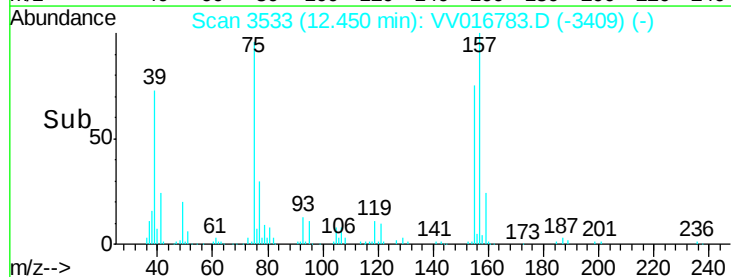
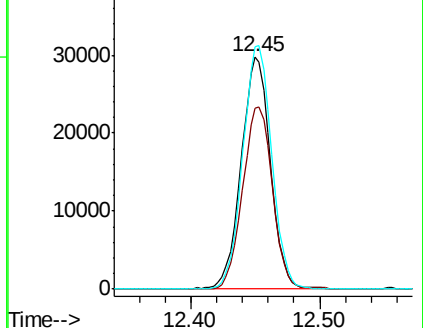
157 104.1 83.4 125.2

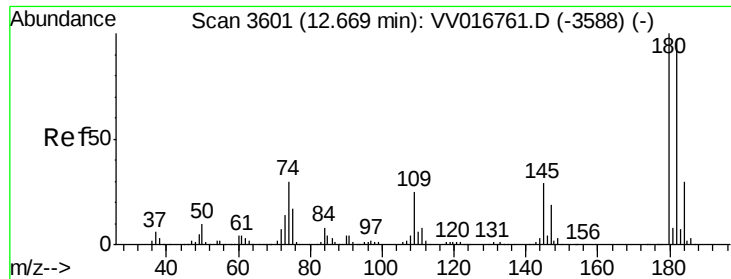


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

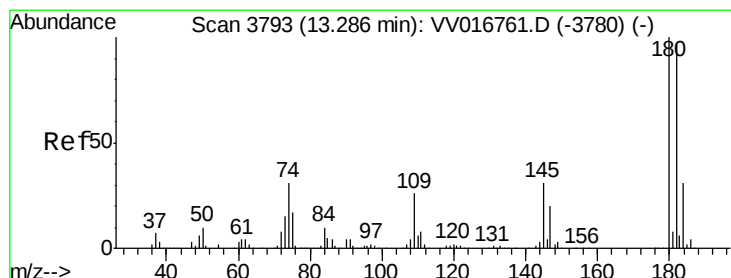
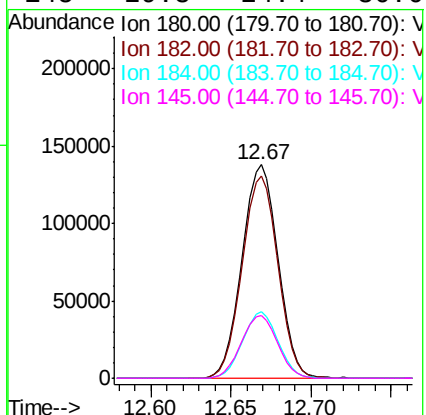
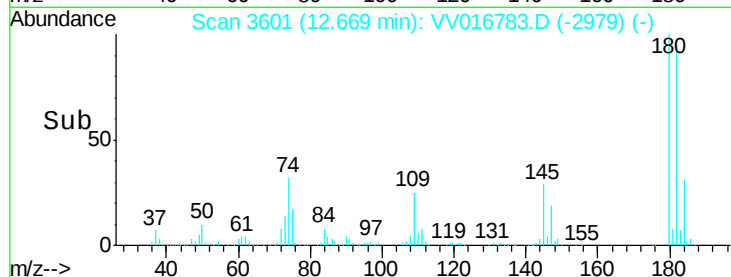
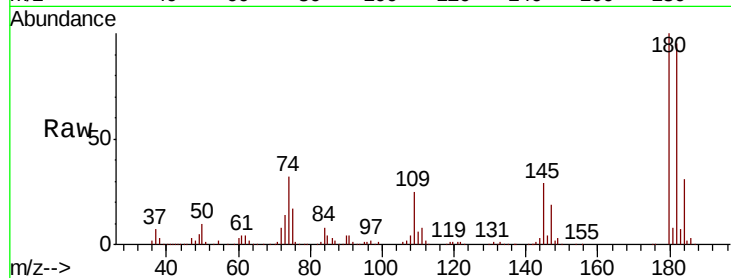




#67
 1,3,5-Trichlorobenzene
 Concen: 48.554 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016783.D
 Acq: 10 Jun 2020 20:48

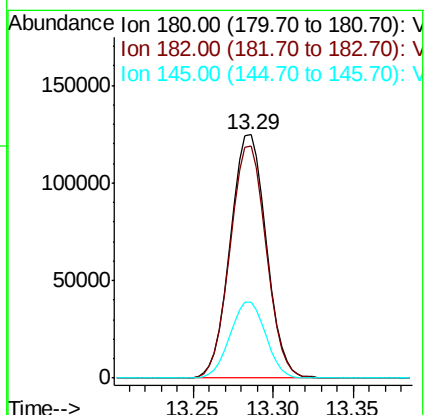
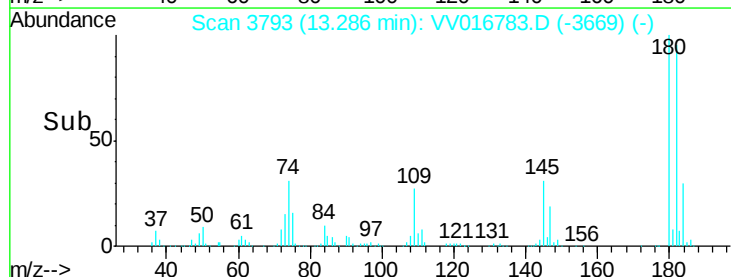
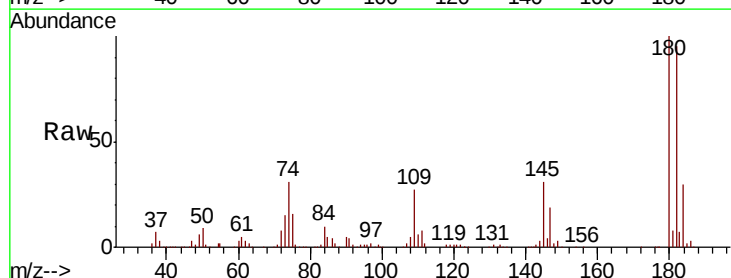
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

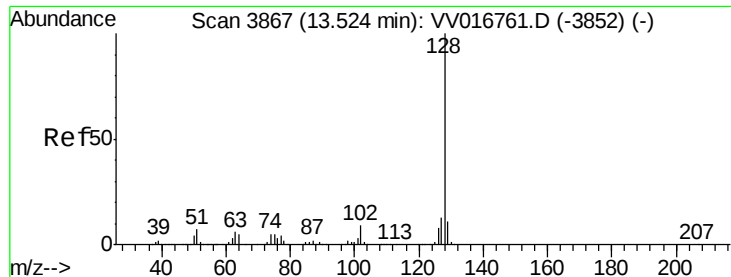
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.0	112.6
184	30.6	24.5	36.7
145	29.8	24.4	36.6



#68
 1,2,4-trichlorobenzene
 Concen: 48.016 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016783.D
 Acq: 10 Jun 2020 20:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.9	115.3
145	31.0	25.2	37.8





#69

Naphthalene

Concen: 50.831 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Instrument :

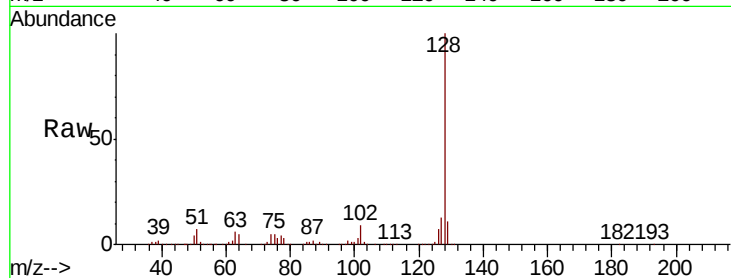
MSVOA_V

ClientSampleId :

VSTD05080

Tot Ion:128 Resp: 582229

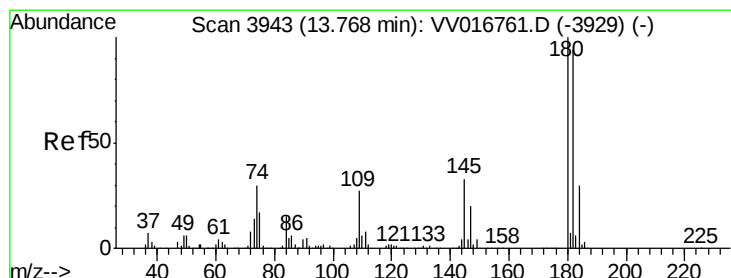
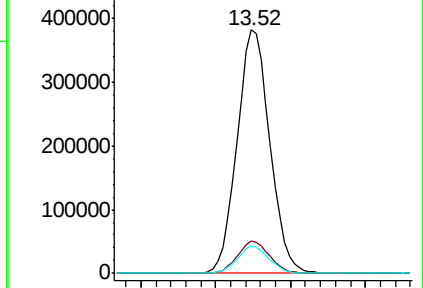
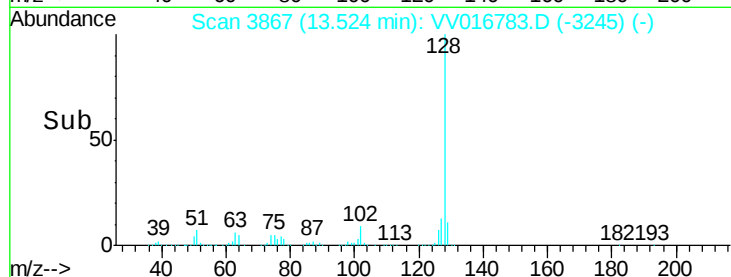
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.630 ug/L

RT: 13.77 min Scan# 3943

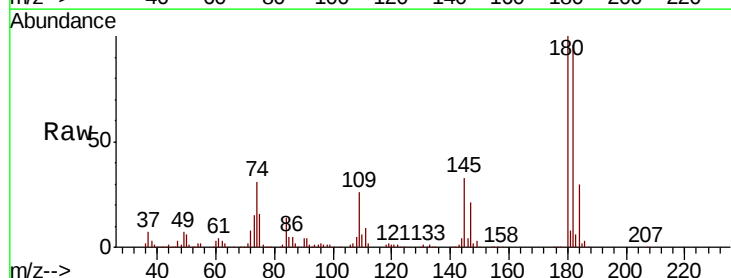
Delta R.T. -0.00 min

Lab File: VV016783.D

Acq: 10 Jun 2020 20:48

Tgt Ion:180 Resp: 189472

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.5	114.7
145	32.9	26.1	39.1



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

