

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082520\
 Data File : VV018089.D
 Acq On : 25 Aug 2020 09:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

Quant Time: Aug 26 02:07:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 25 12:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	283565	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	279216	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	155022	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101012	46.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.38%
7) Chloroethane-d5	1.58	69	85915	48.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.08%
11) 1,1-Dichloroethene-d2	2.12	63	199261	48.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.30%
21) 2-Butanone-d5	3.91	46	126193	89.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.05%
24) Chloroform-d	4.37	84	187433	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
26) 1,2-Dichloroethane-d4	5.05	65	120864	47.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.50%
32) Benzene-d6	5.07	84	367528	47.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.52%
36) 1,2-Dichloropropane-d6	6.09	67	117461	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.38%
41) Toluene-d8	7.33	98	339887	49.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.24%
43) trans-1,3-Dichloropropene-	7.64	79	57822	50.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.36%
47) 2-Hexanone-d5	8.11	63	73313	90.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.81%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	150307	45.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.76%
64) 1,2-Dichlorobenzene-d4	11.65	152	139598	45.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	95699	43.714	ug/L 100
3) Chloromethane	1.25	50	105001	41.289	ug/L 99
5) Vinyl chloride	1.32	62	110889	44.010	ug/L 99
6) Bromomethane	1.53	94	64720	42.977	ug/L 99
8) Chloroethane	1.60	64	71116	44.221	ug/L 99
9) Trichlorofluoromethane	1.76	101	163914	45.542	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	96807	48.171	ug/L 98
12) 1,1-Dichloroethene	2.13	96	88217	46.378	ug/L 96
13) Acetone	2.19	43	152111	103.926	ug/L 97
14) Carbon disulfide	2.31	76	232125	44.339	ug/L 100
15) Methyl Acetate	2.45	43	101257	42.869	ug/L 99
16) Methylene chloride	2.52	84	100046	41.285	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	90084	46.072	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	294760	45.583	ug/L 99
19) 1,1-Dichloroethane	3.21	63	179251	45.592	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	98362	45.778	ug/L 100
22) 2-Butanone	3.99	43	159432	97.098	ug/L 100

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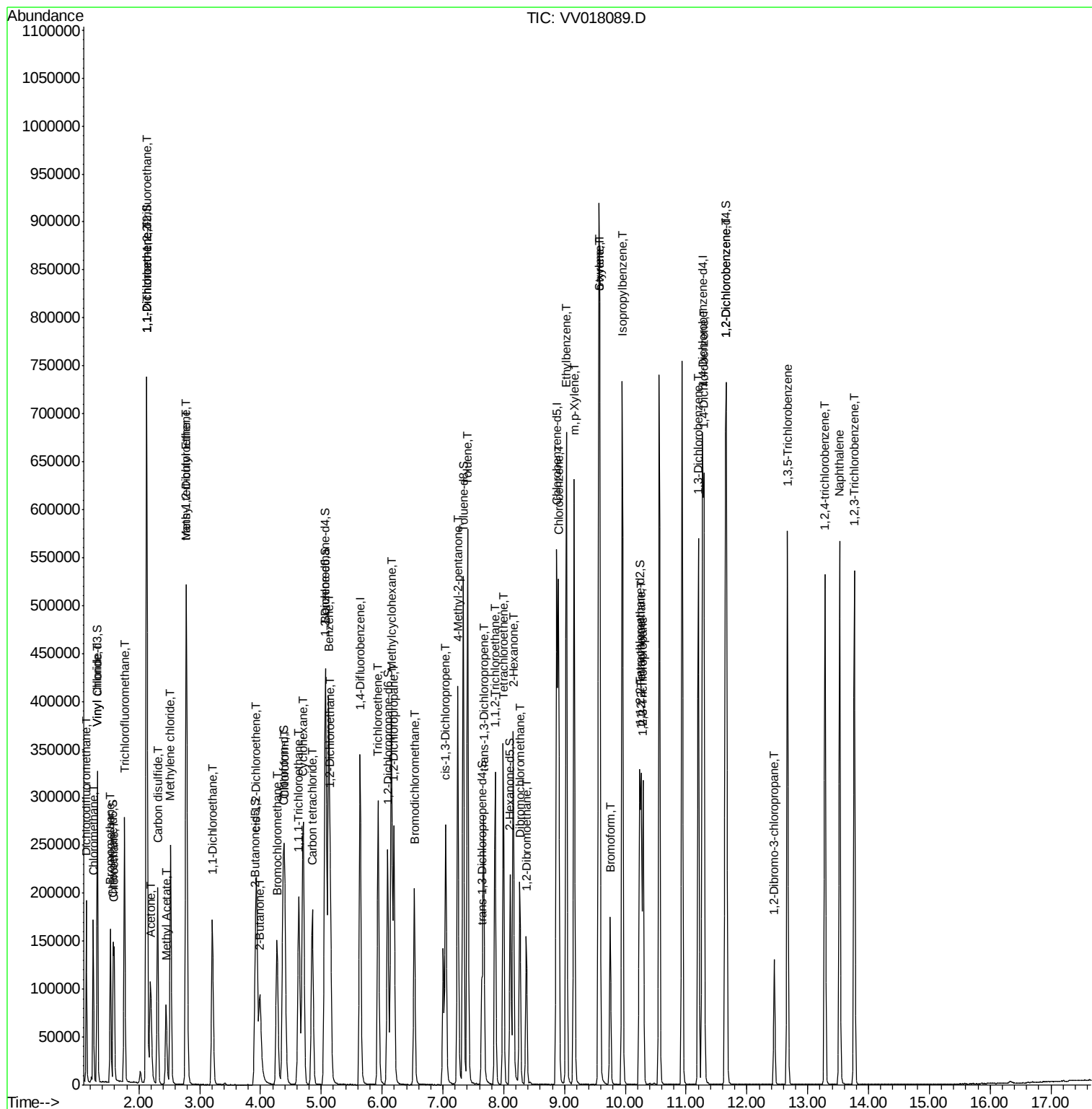
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	52091	46.407	ug/L	97
25) Chloroform	4.40	83	185803	46.334	ug/L	100
27) 1,2-Dichloroethane	5.15	62	142351	44.598	ug/L	98
29) Cyclohexane	4.70	56	151215	44.872	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	159095	46.497	ug/L	99
31) Carbon tetrachloride	4.85	117	136742	48.006	ug/L	100
33) Benzene	5.12	78	386403	44.730	ug/L	100
34) Trichloroethene	5.94	95	102664	44.961	ug/L	98
35) Methylcyclohexane	6.15	83	154645	45.546	ug/L	100
37) 1,2-Dichloropropane	6.19	63	104252	44.253	ug/L	100
38) Bromodichloromethane	6.53	83	137577	47.016	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	160584	48.084	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	266994	86.696	ug/L	99
42) Toluene	7.41	91	410266	45.514	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	157213	49.614	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	99596	45.651	ug/L	98
46) Tetrachloroethene	7.99	164	80598	48.129	ug/L	99
48) 2-Hexanone	8.15	43	226949	91.386	ug/L	99
49) Dibromochloromethane	8.26	129	108377	50.893	ug/L	99
50) 1,2-Dibromoethane	8.37	107	100254	44.415	ug/L	96
51) Chlorobenzene	8.90	112	267550	46.150	ug/L	99
52) Ethylbenzene	9.03	91	457381	46.536	ug/L	99
53) m,p-Xylene	9.16	106	170950	47.290	ug/L	97
54) o-xylene	9.56	106	165638	46.367	ug/L	99
55) Styrene	9.58	104	300329	49.092	ug/L	99
56) Isopropylbenzene	9.95	105	453519	48.123	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	148932	43.838	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	126454	43.463	ug/L	100
61) Bromoform	9.75	173	78573	53.567	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	224981	45.639	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	229685	45.356	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	226717	44.683	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	31637	42.319	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	178749	47.733	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	160547	48.763	ug/L	99
69) Naphthalene	13.52	128	419040	46.177	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	164106	49.013	ug/L	99

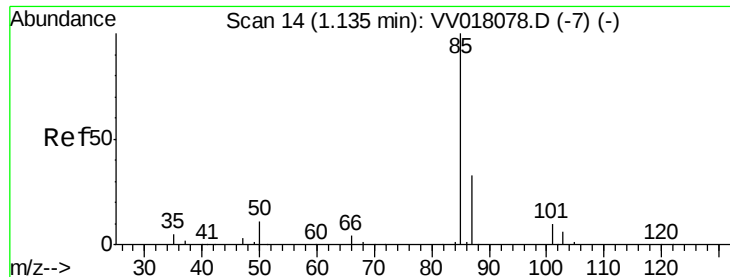
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 43.714 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

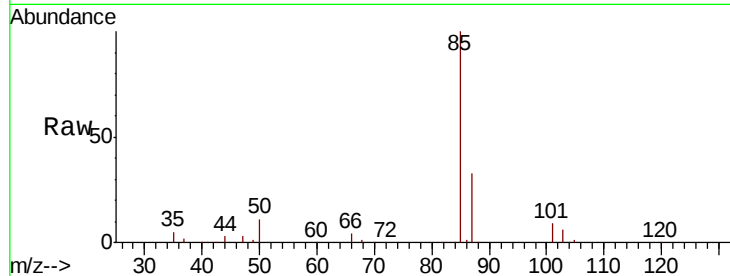
VSTD05083

Tot Ion: 85 Resp: 95699

Ion Ratio Lower Upper

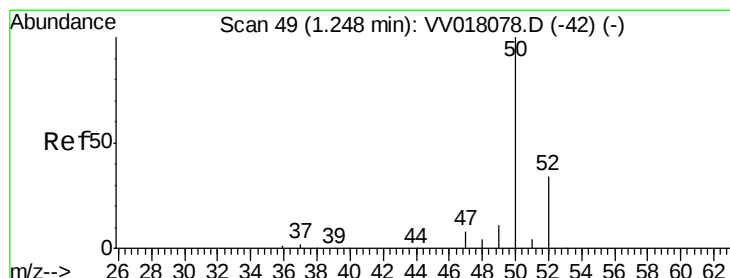
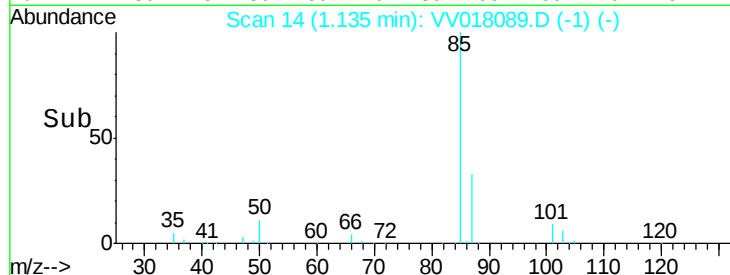
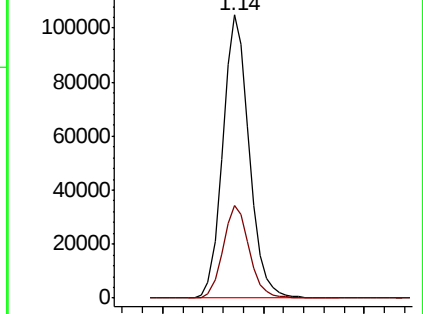
85 100

87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV018078.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018078.D (-7) (-)



#3

Chloromethane

Concen: 41.289 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018089.D

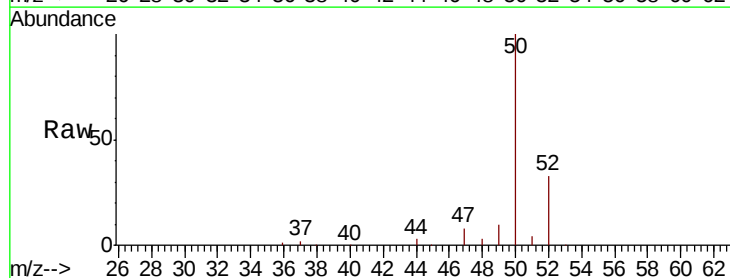
Acq: 25 Aug 2020 09:49

Tgt Ion: 50 Resp: 105001

Ion Ratio Lower Upper

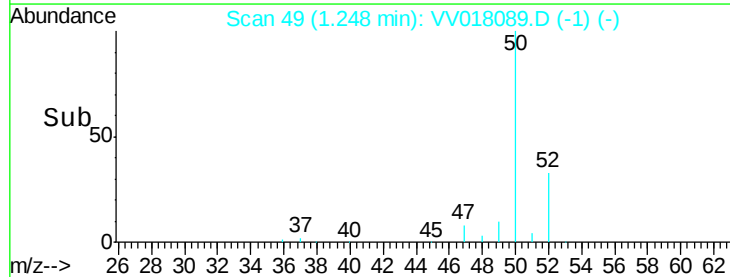
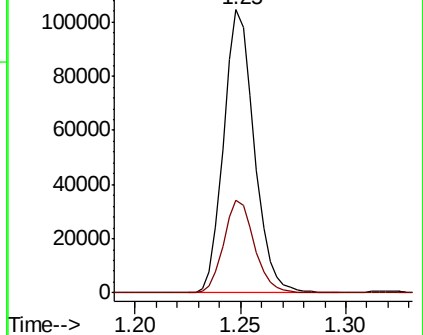
50 100

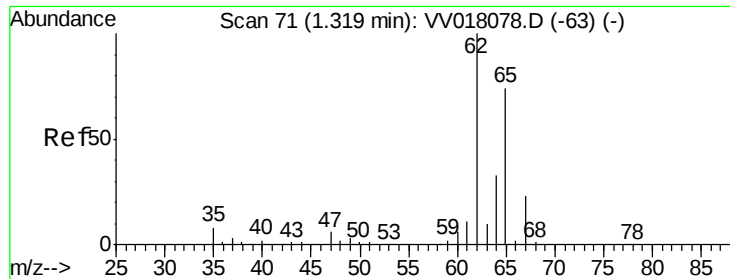
52 32.9 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV018078.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018078.D (-42) (-)





#5

Vinyl chloride

Concen: 44.010 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

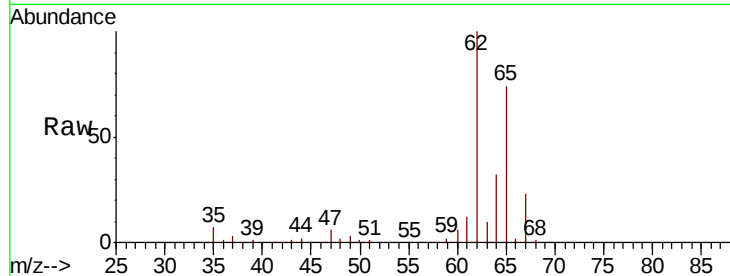
VSTD05083

Tot Ion: 62 Resp: 110889

Ion Ratio Lower Upper

62 100

64 32.3 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

120000

100000

80000

60000

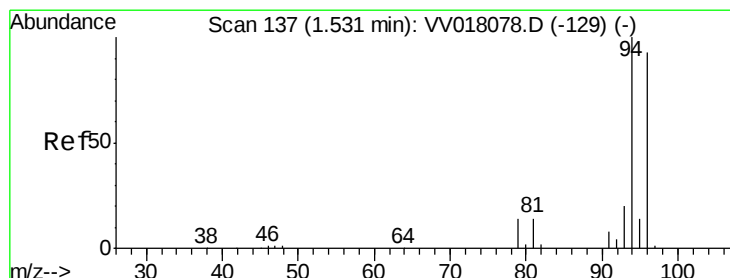
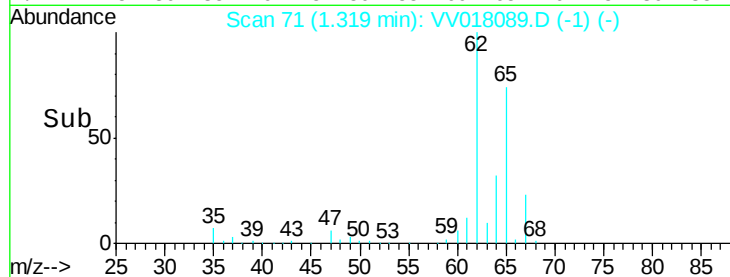
40000

20000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 42.977 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV018089.D

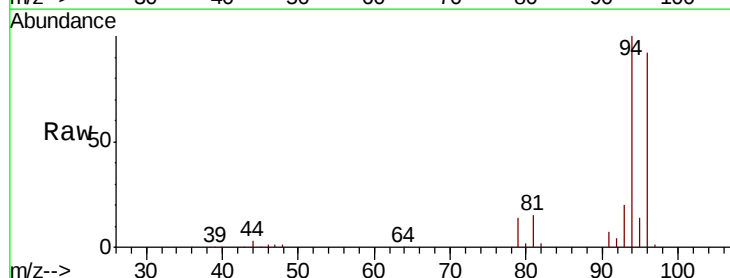
Acq: 25 Aug 2020 09:49

Tgt Ion: 94 Resp: 64720

Ion Ratio Lower Upper

94 100

96 92.2 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

60000

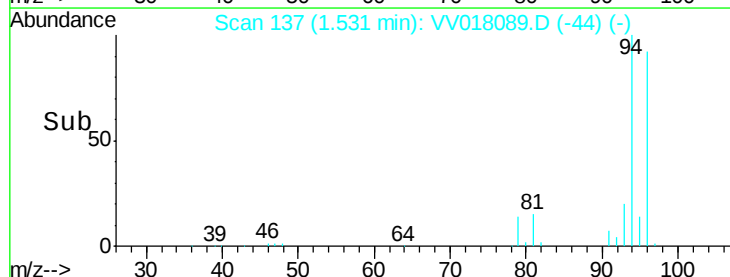
40000

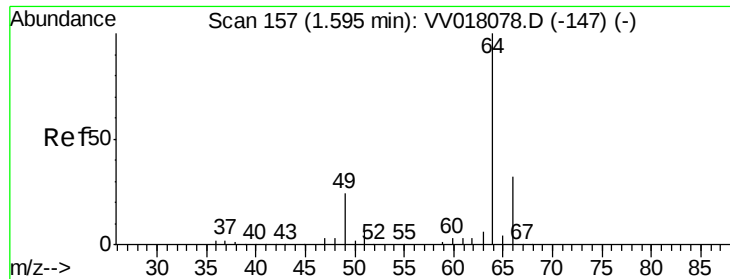
20000

0

1.50 1.55 1.60

Time-->

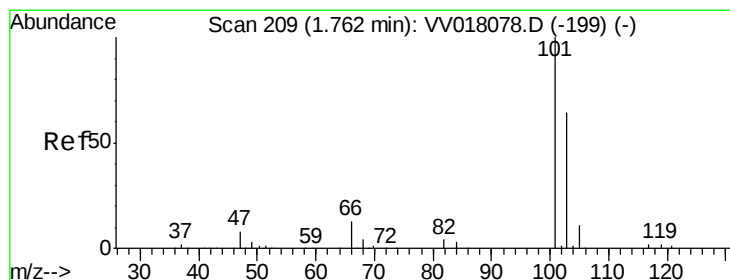
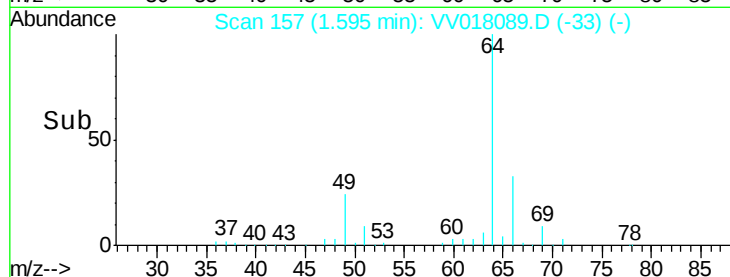
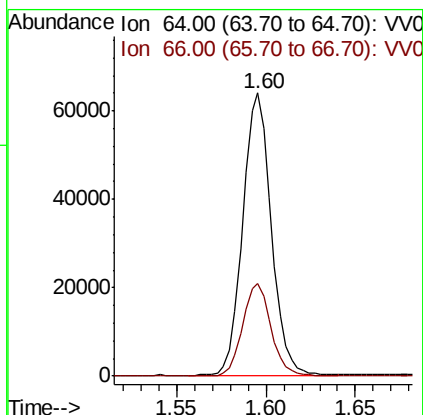
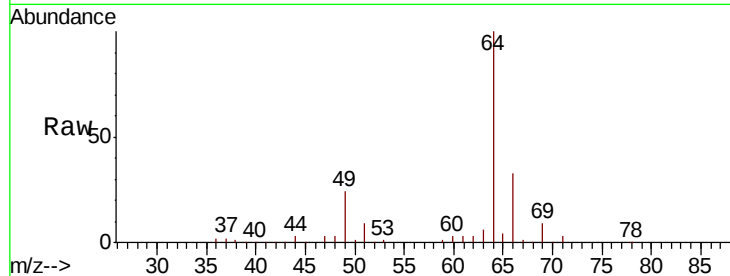




#8
Chloroethane
Concen: 44.221 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV018089.D
Acq: 25 Aug 2020 09:49

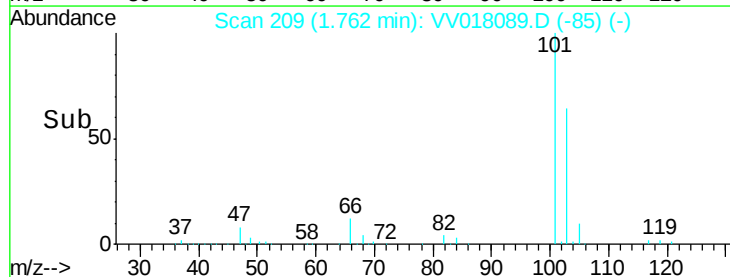
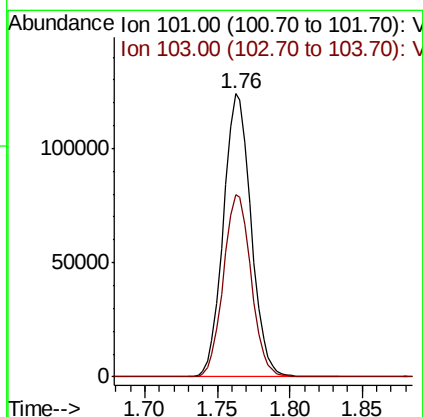
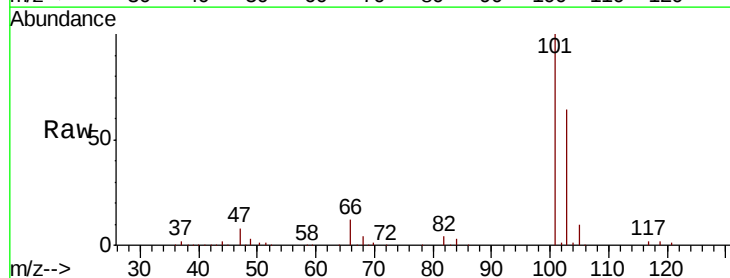
Instrument :
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VSTD05083

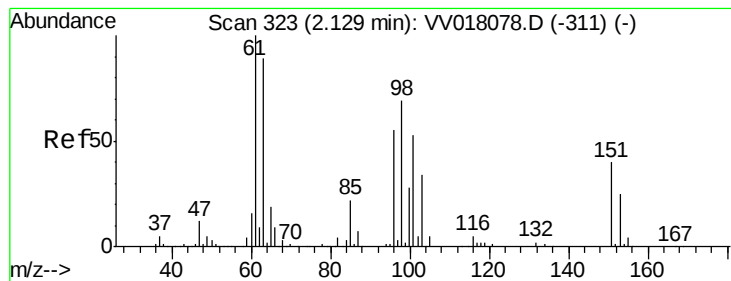
Tot Ion: 64 Resp: 71116
Ion Ratio Lower Upper
64 100
66 32.6 22.3 41.3



#9
Trichlorofluoromethane
Concen: 45.542 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV018089.D
Acq: 25 Aug 2020 09:49

Tgt Ion:101 Resp: 163914
Ion Ratio Lower Upper
101 100
103 64.4 51.5 77.3





#10

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

Concen: 48.171 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

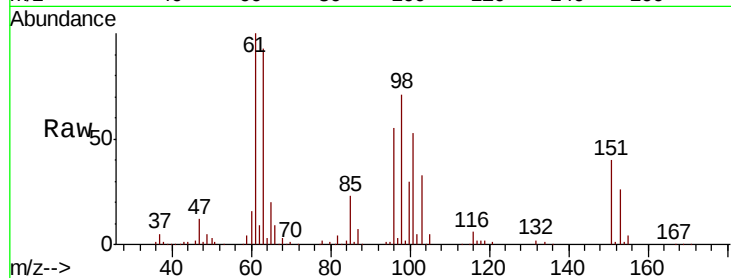
Tot Ion:101 Resp: 96807

Ion Ratio Lower Upper

101 100

85 43.5 34.9 52.3

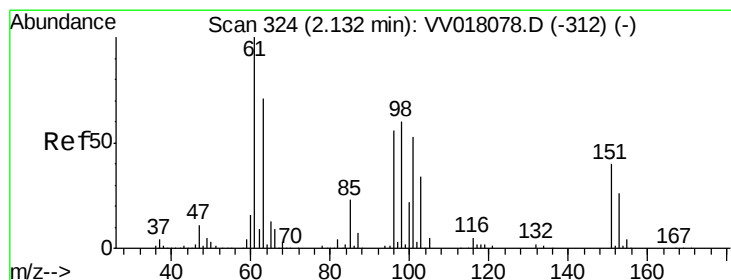
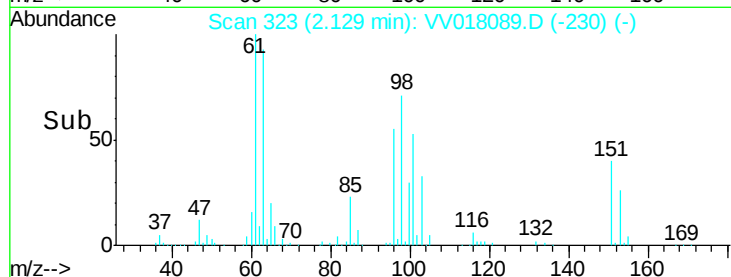
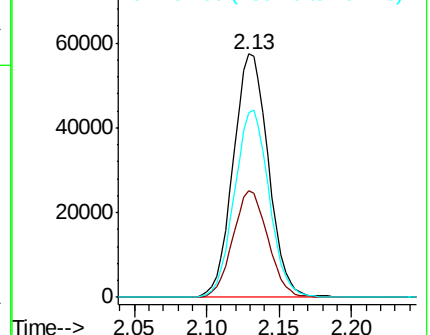
151 75.9 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.378 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

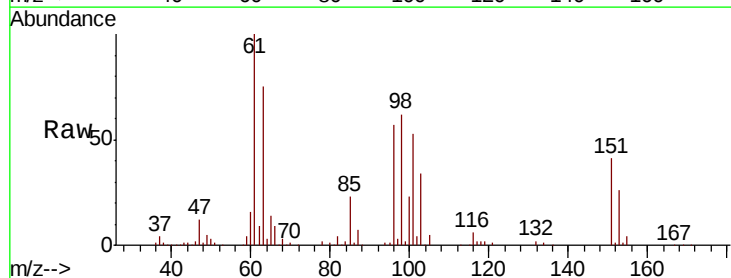
Tgt Ion: 96 Resp: 88217

Ion Ratio Lower Upper

96 100

61 175.7 127.1 236.0

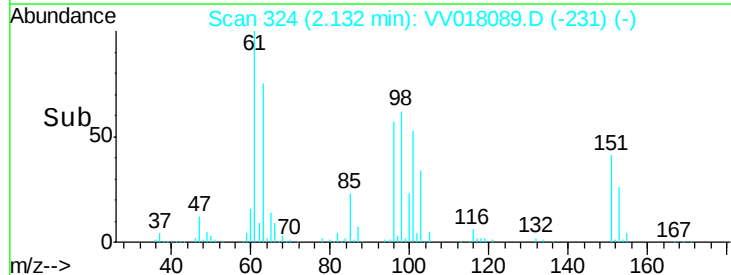
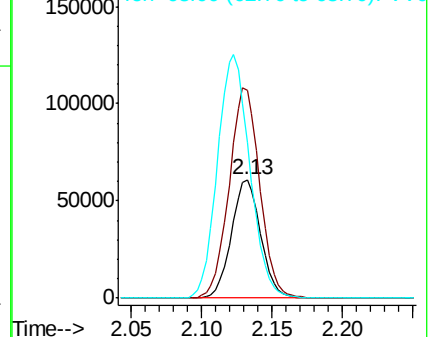
63 130.9 95.2 176.8

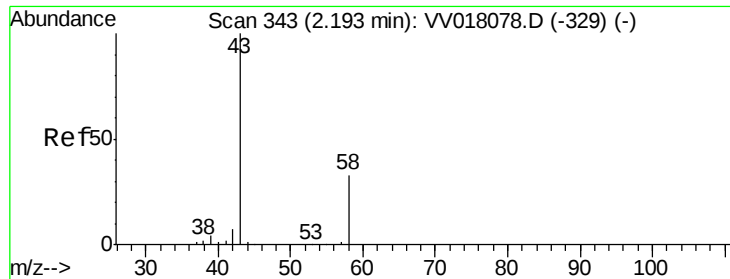


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 103.926 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV018089.D

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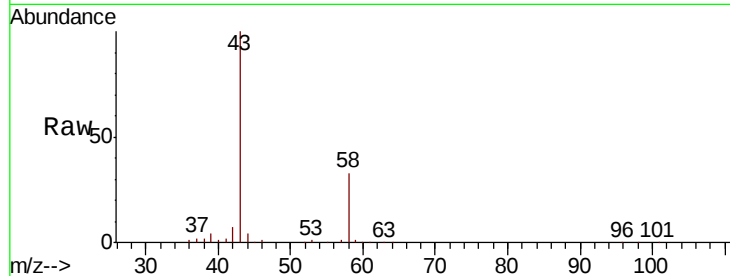
VSTD05083

Tot Ion: 43 Resp: 152111

Ion Ratio Lower Upper

43 100

58 33.7 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV018078.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV018078.D (-329) (-)

2.19

60000

40000

20000

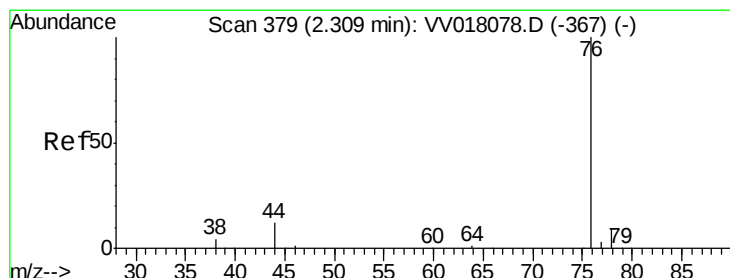
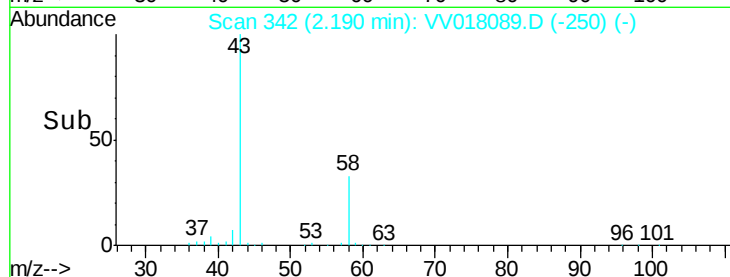
0

Time-->

2.10

2.20

2.30



#14

Carbon disulfide

Concen: 44.339 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018089.D

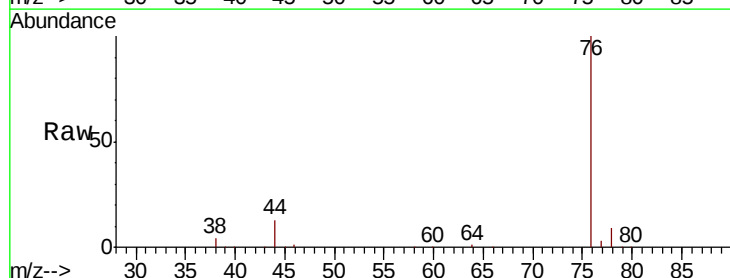
Acq: 25 Aug 2020 09:49

Tgt Ion: 76 Resp: 232125

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV018078.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV018078.D (-367) (-)

2.31

150000

100000

50000

0

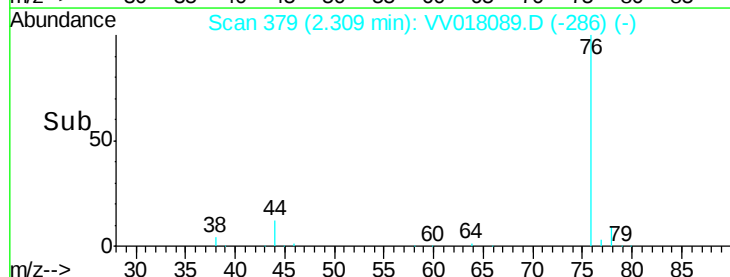
Time-->

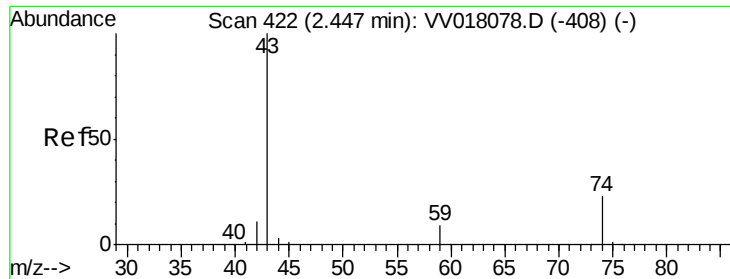
2.25

2.30

2.35

2.40

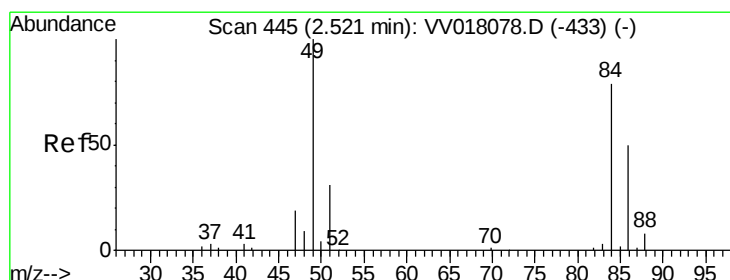
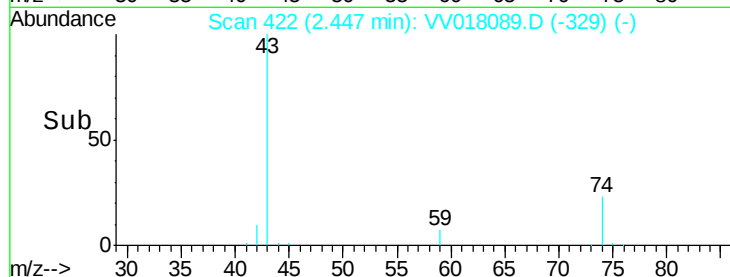
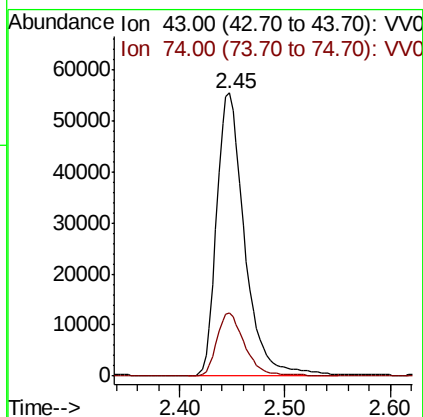
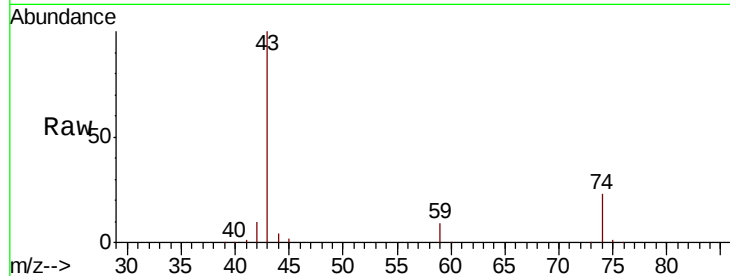




#15
Methvl Acetate
Concen: 42.869 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV018089.D
Acq: 25 Aug 2020 09:49

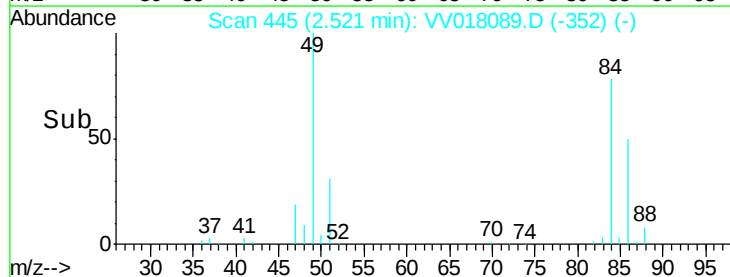
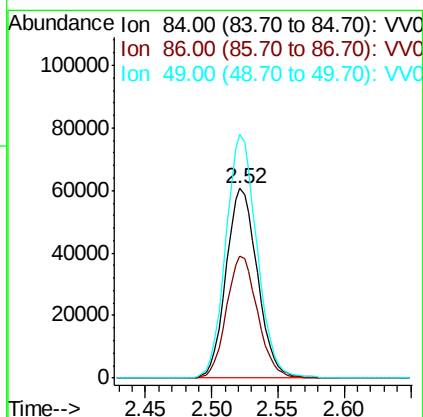
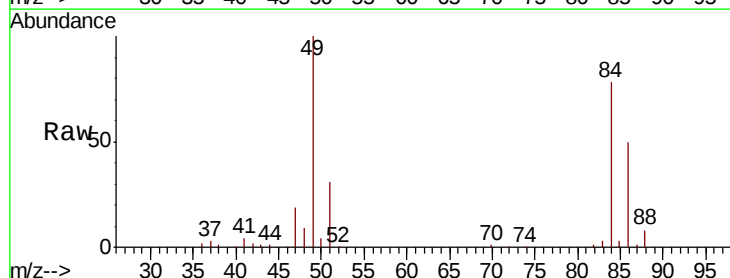
Instrument :
MSVOA_V
ClientSampleId :
VSTD05083

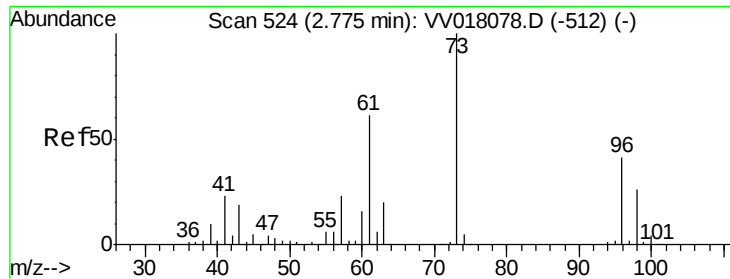
Tot Ion: 43 Resp: 101257
Ion Ratio Lower Upper
43 100
74 22.5 18.4 27.6



#16
Methylene chloride
Concen: 41.285 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV018089.D
Acq: 25 Aug 2020 09:49

Tgt Ion: 84 Resp: 100046
Ion Ratio Lower Upper
84 100
86 64.4 46.3 85.9
49 128.6 89.7 166.5

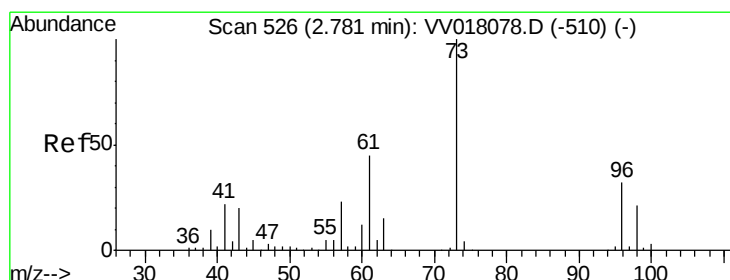
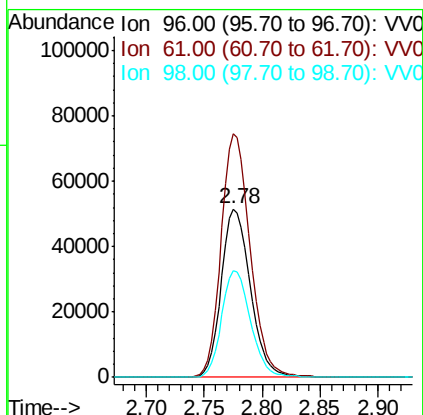
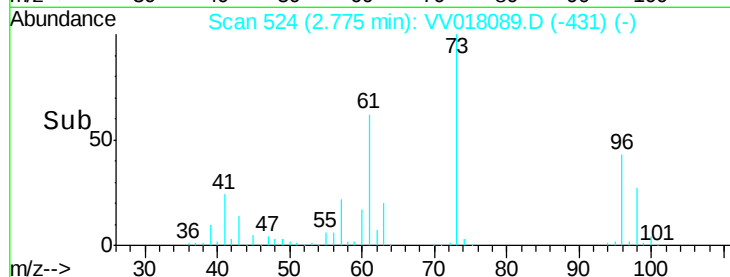
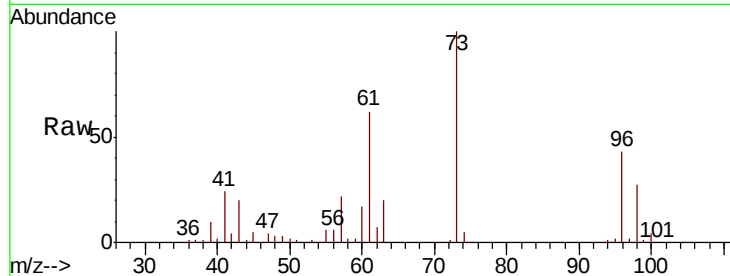




#17
trans-1,2-Dichloroethene
Concen: 46.072 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV018089.D
Acq: 25 Aug 2020 09:49

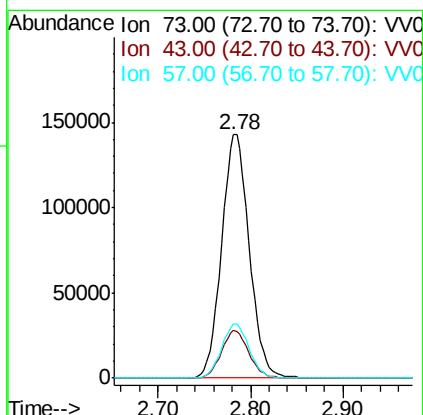
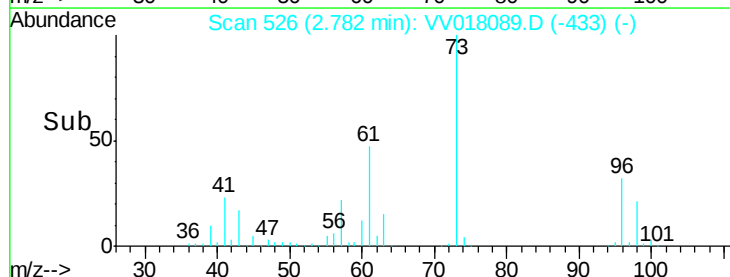
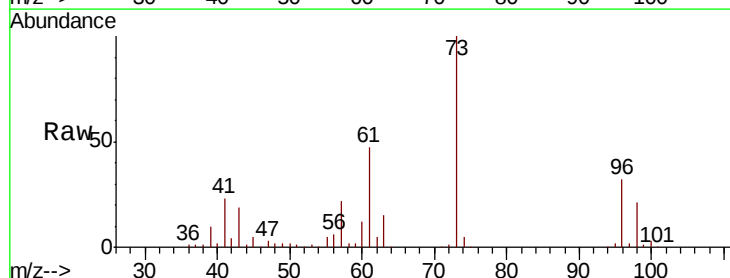
Instrument :
MSVOA_V
ClientSampleId :
VSTD05083

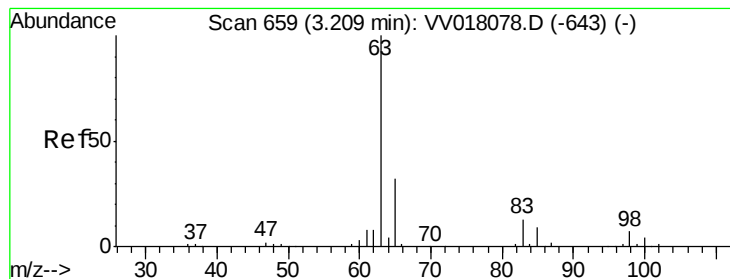
Tot Ion: 96 Resp: 90084
Ion Ratio Lower Upper
96 100
61 144.7 102.4 190.2
98 63.5 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 45.583 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV018089.D
Acq: 25 Aug 2020 09:49

Tgt Ion: 73 Resp: 294760
Ion Ratio Lower Upper
73 100
43 19.2 15.9 23.9
57 22.1 18.1 27.1





#19

1,1-Dichloroethane

Concen: 45.592 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

Instrument :

MSVOA_V

ClientSampled :

VSTD05083

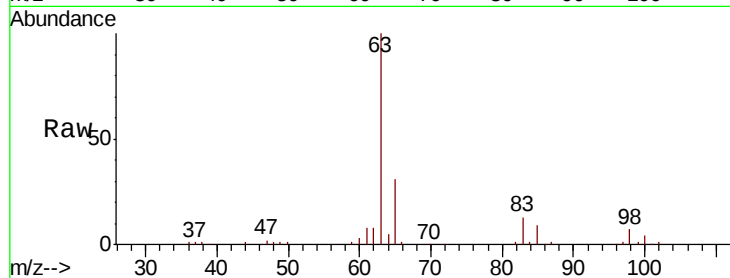
Tot Ion: 63 Resp: 179251

Ion Ratio Lower Upper

63 100

65 30.7 22.5 41.7

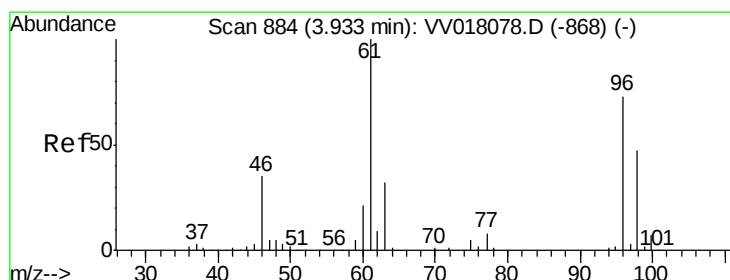
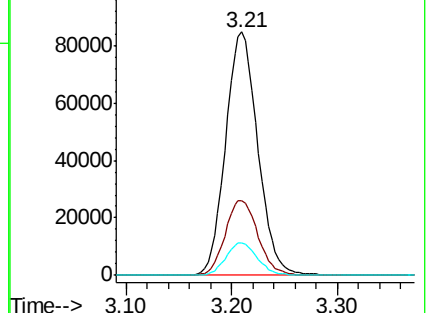
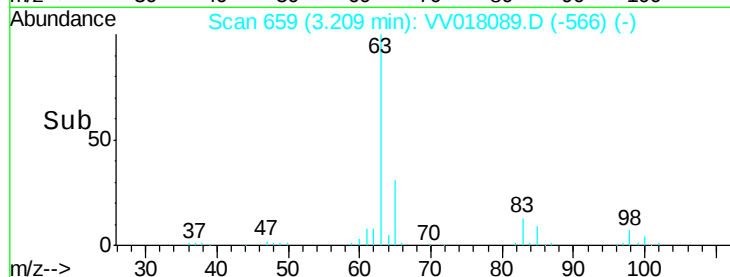
83 13.2 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV018089.D (-566) (-)

Ion 65.00 (64.70 to 65.70): VV018089.D (-566) (-)

Ion 83.00 (82.70 to 83.70): VV018089.D (-566) (-)



#20

cis-1,2-Dichloroethene

Concen: 45.778 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

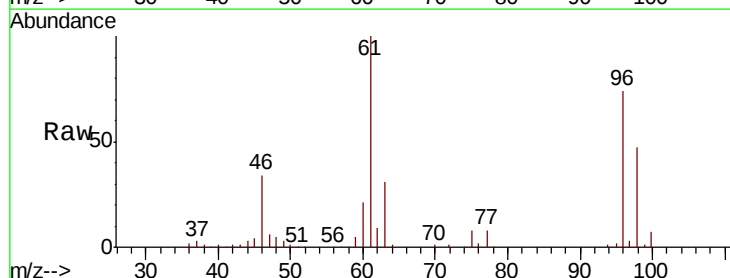
Tgt Ion: 96 Resp: 98362

Ion Ratio Lower Upper

96 100

61 135.9 95.0 176.4

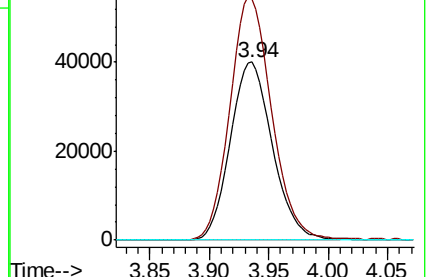
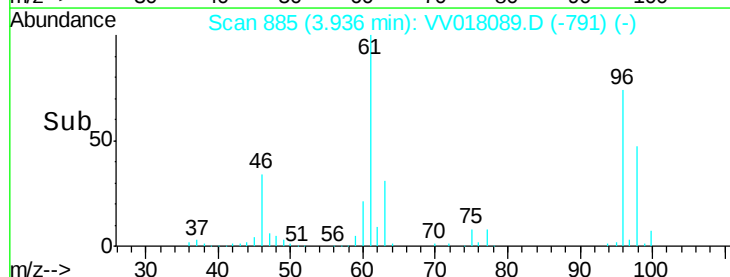
68 0.0 0.0 0.0

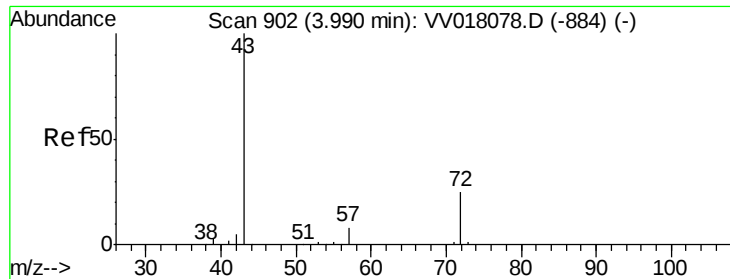


Abundance Ion 96.00 (95.70 to 96.70): VV018089.D (-791) (-)

Ion 61.00 (60.70 to 61.70): VV018089.D (-791) (-)

Ion 68.00 (67.70 to 68.70): VV018089.D (-791) (-)





#22

2-Butanone

Concen: 97.098 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

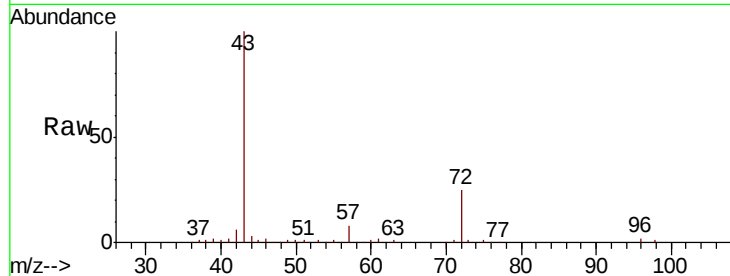
VSTD05083

Tot Ion: 43 Resp: 159432

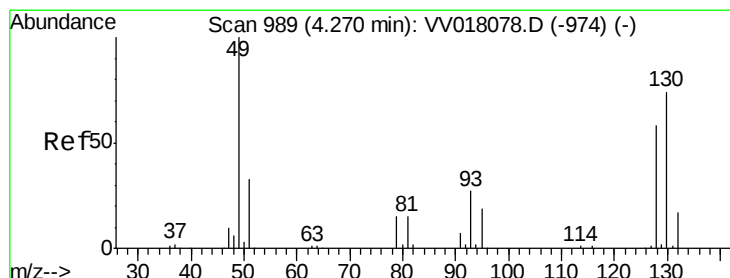
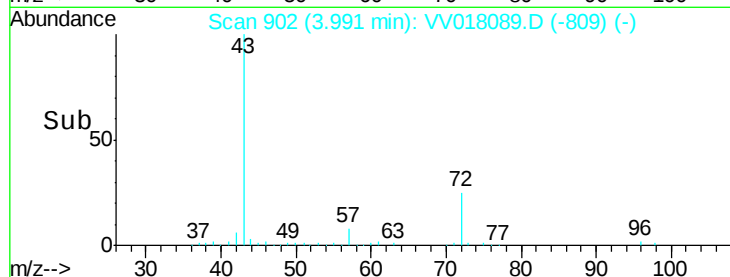
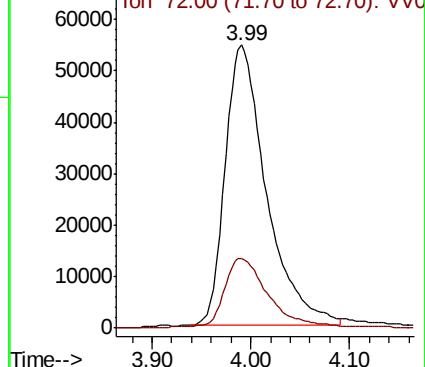
Ion Ratio Lower Upper

43 100

72 25.3 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018089.D (-809) (-)



#23

Bromochloromethane

Concen: 46.407 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

Tgt Ion: 128 Resp: 52091

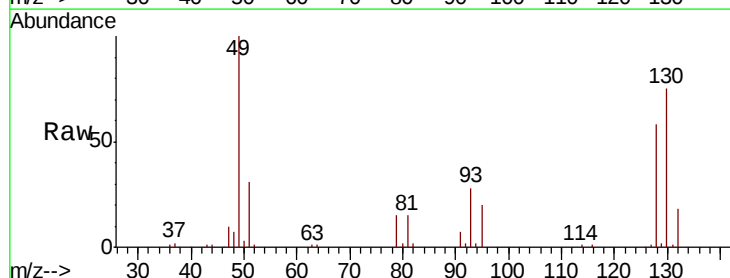
Ion Ratio Lower Upper

128 100

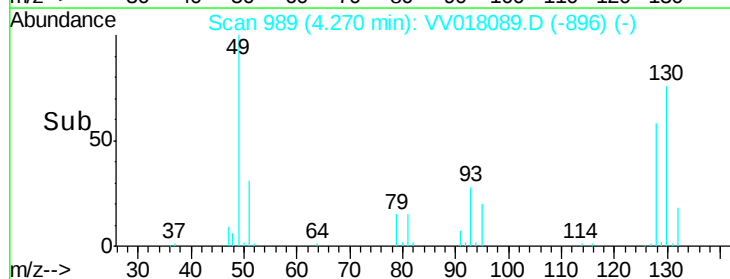
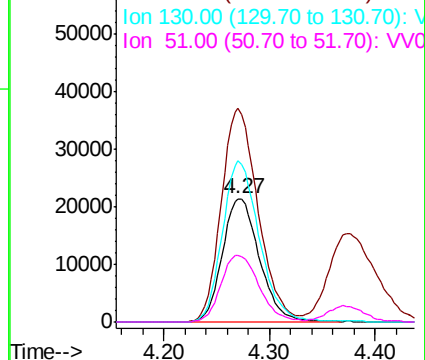
49 172.9 125.6 233.3

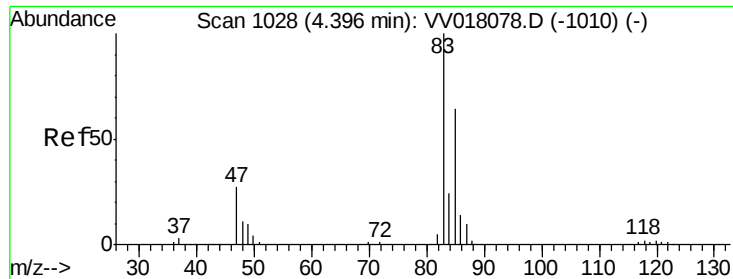
130 130.2 89.9 167.0

51 54.4 45.8 68.6



Abundance Ion 128.00 (127.70 to 128.70): VV018089.D (-896) (-)

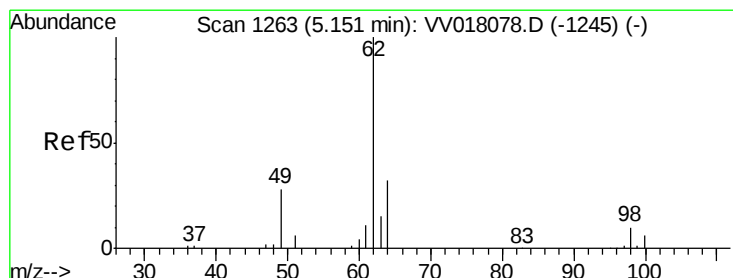
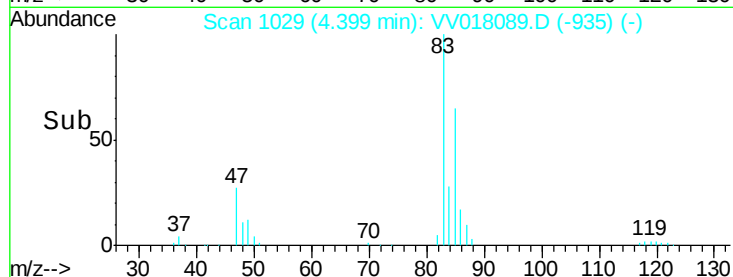
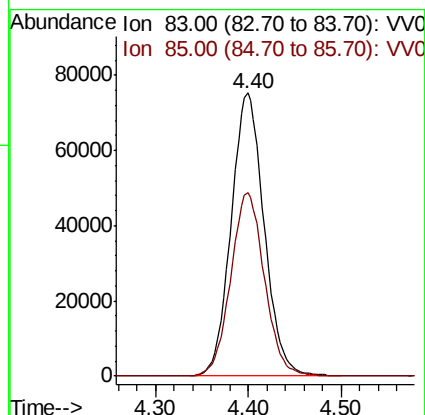
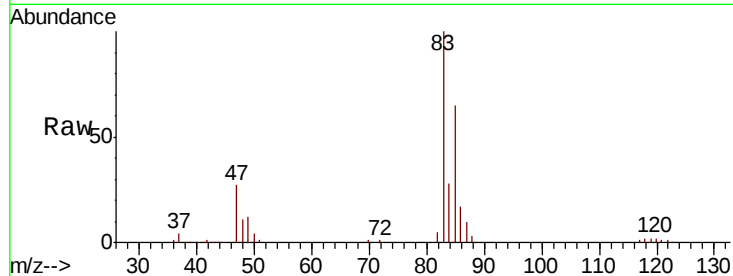




#25
Chloroform
Concen: 46.334 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018089.D
Acq: 25 Aug 2020 09:49

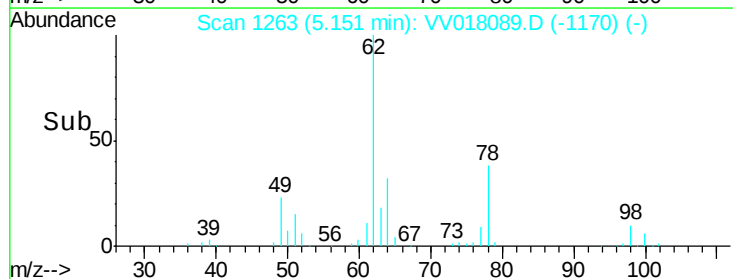
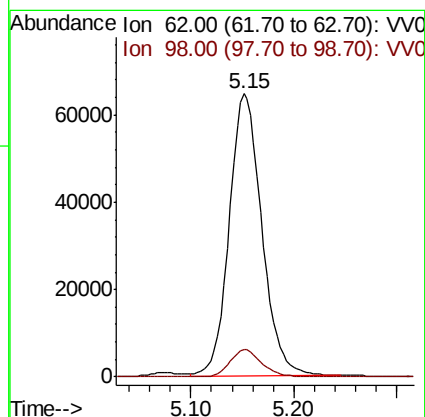
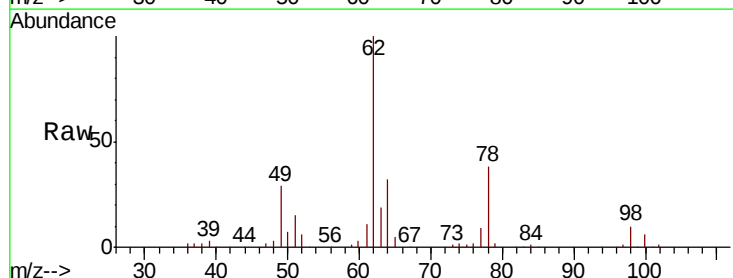
Instrument :
MSVOA_V
ClientSampleId :
VSTD05083

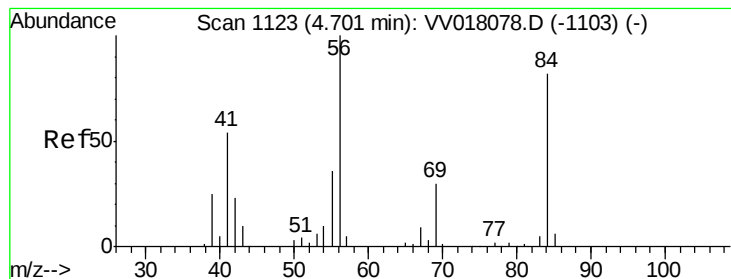
Tot Ion: 83 Resp: 185803
Ion Ratio Lower Upper
83 100
85 64.7 45.5 84.5



#27
1,2-Dichloroethane
Concen: 44.598 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV018089.D
Acq: 25 Aug 2020 09:49

Tgt Ion: 62 Resp: 142351
Ion Ratio Lower Upper
62 100
98 9.6 7.1 10.7





#29

Cyclohexane

Concen: 44.872 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

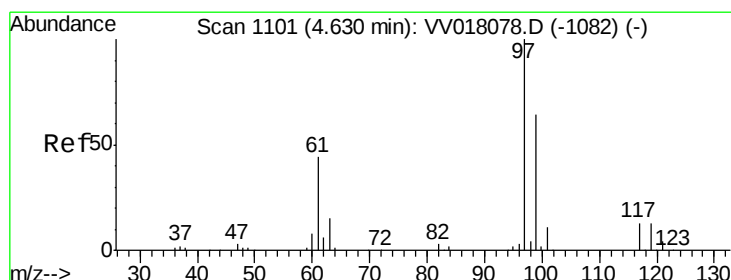
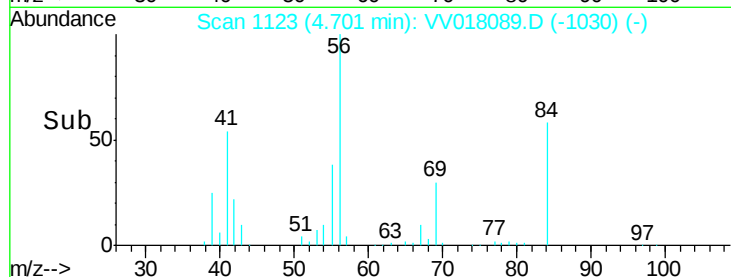
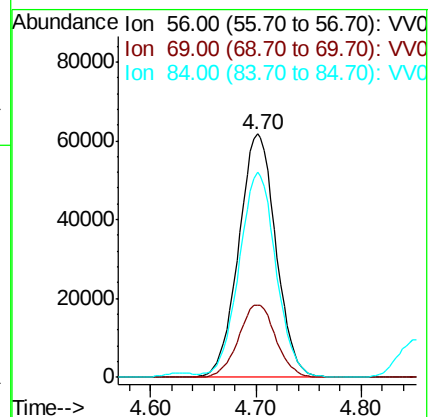
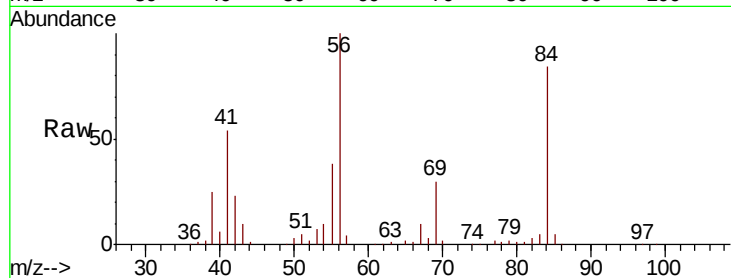
Tot Ion: 56 Resp: 151215

Ion Ratio Lower Upper

56 100

69 29.9 23.8 35.8

84 84.1 66.8 100.2



#30

1,1,1-Trichloroethane

Concen: 46.497 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

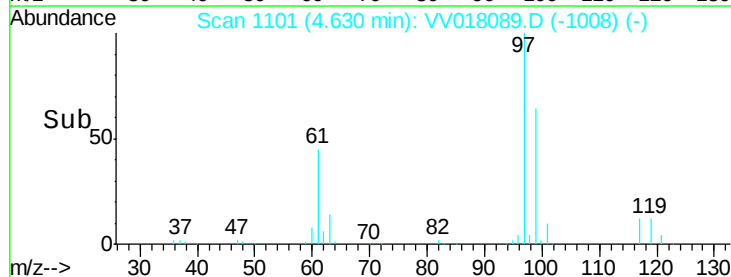
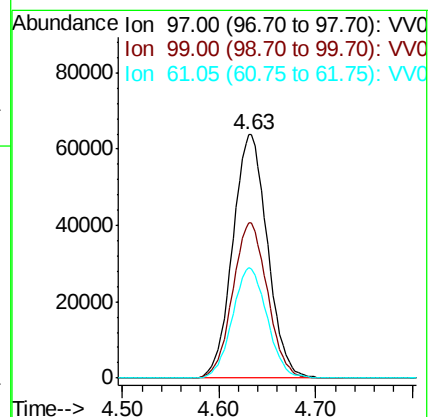
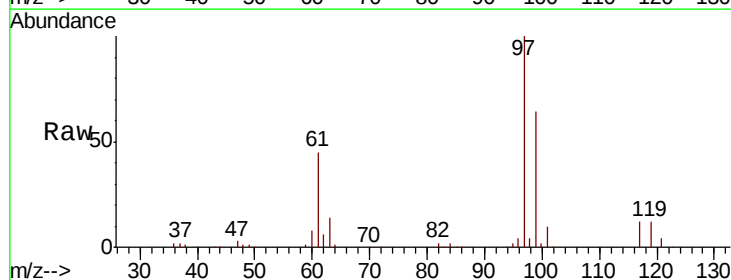
Tgt Ion: 97 Resp: 159095

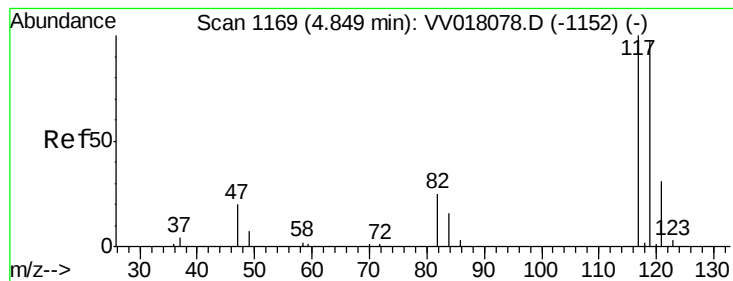
Ion Ratio Lower Upper

97 100

99 64.0 50.6 76.0

61 45.3 37.0 55.6





#31

Carbon tetrachloride

Concen: 48.006 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

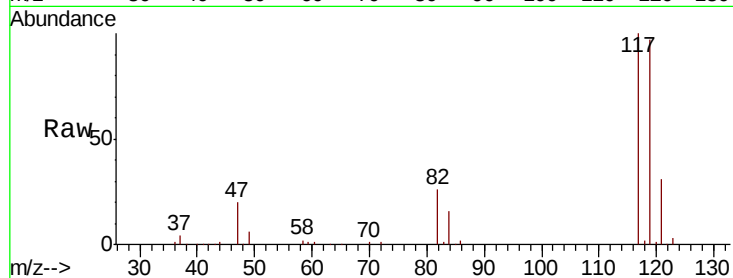
VSTD05083

Tot Ion:117 Resp: 136742

Ion Ratio Lower Upper

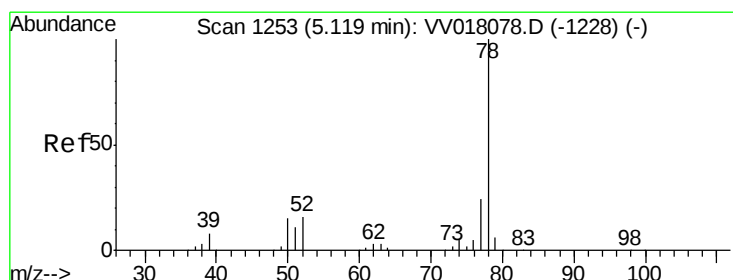
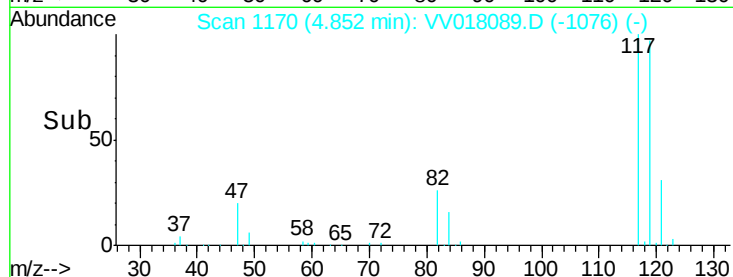
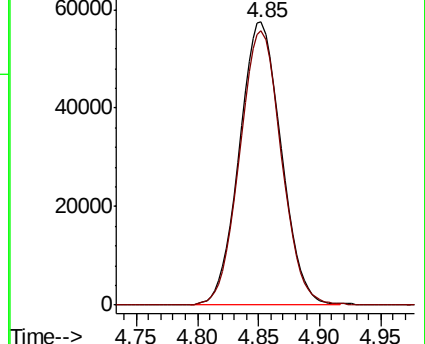
117 100

119 96.5 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 44.730 ug/L

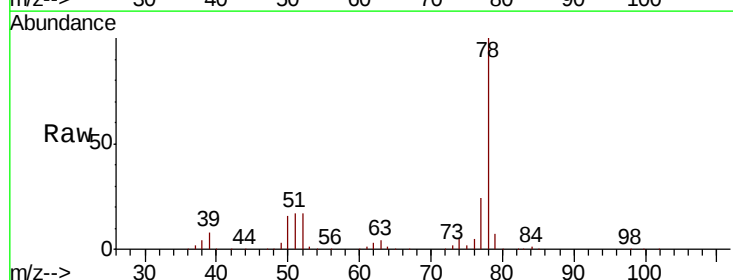
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

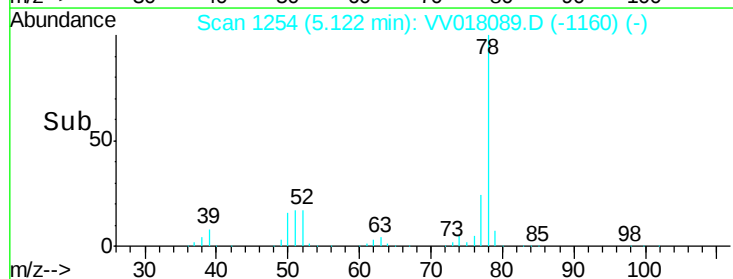
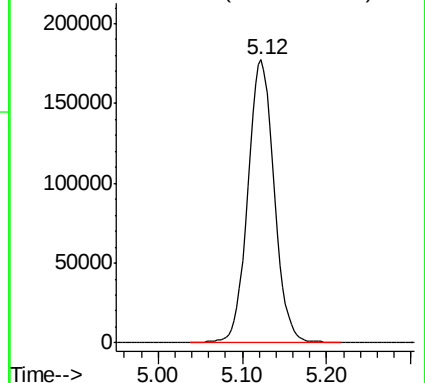
Lab File: VV018089.D

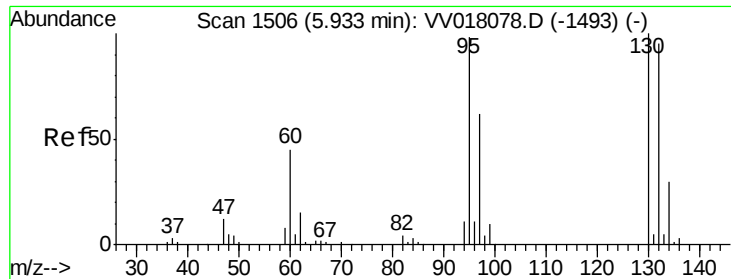
Acq: 25 Aug 2020 09:49

Tgt Ion: 78 Resp: 386403



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 44.961 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

Tot Ion: 95 Resp: 102664

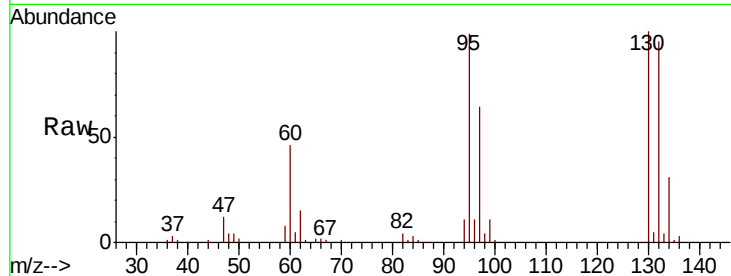
Ion Ratio Lower Upper

95 100

97 64.3 46.0 85.4

132 96.2 65.8 122.2

130 100.9 69.2 128.6

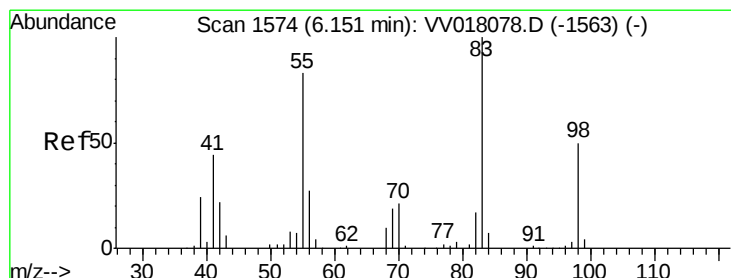
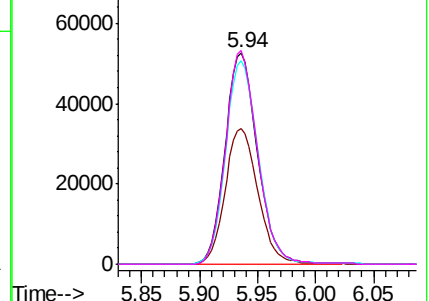
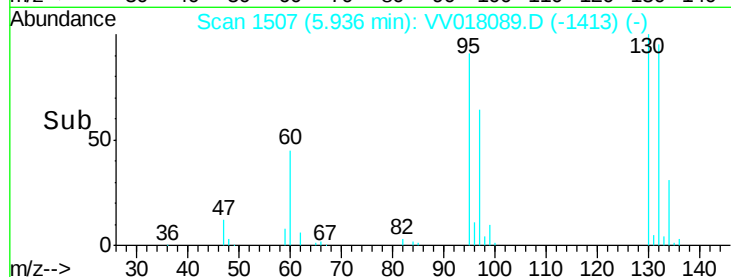


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 45.546 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

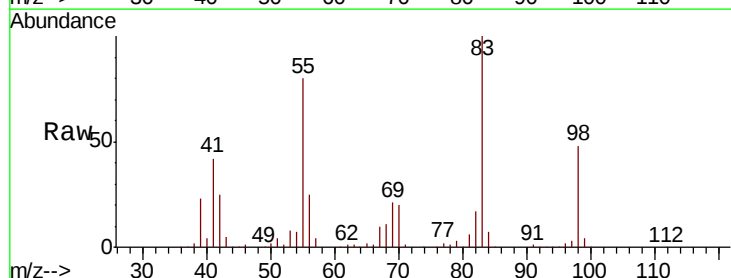
Tgt Ion: 83 Resp: 154645

Ion Ratio Lower Upper

83 100

55 80.8 64.9 97.3

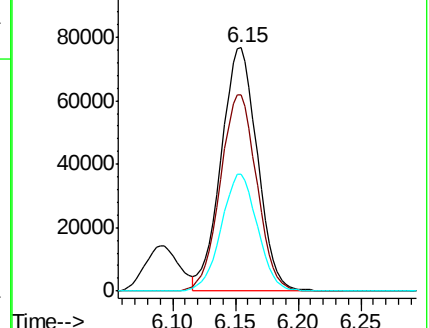
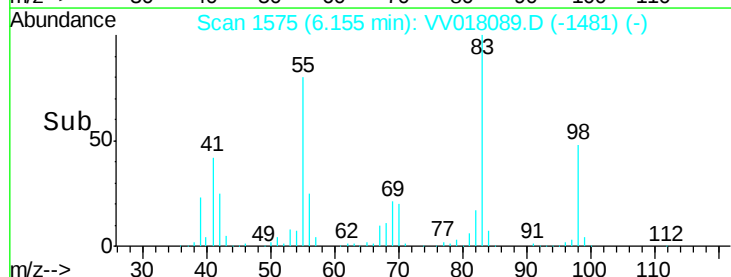
98 48.0 38.7 58.1

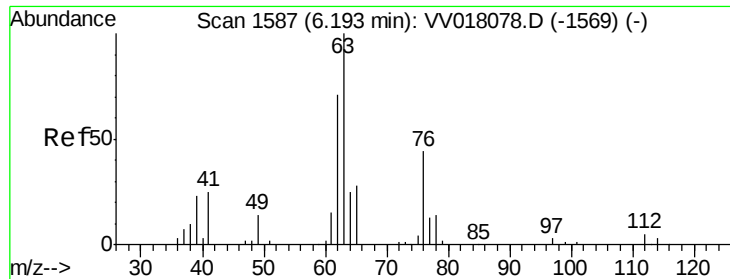


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

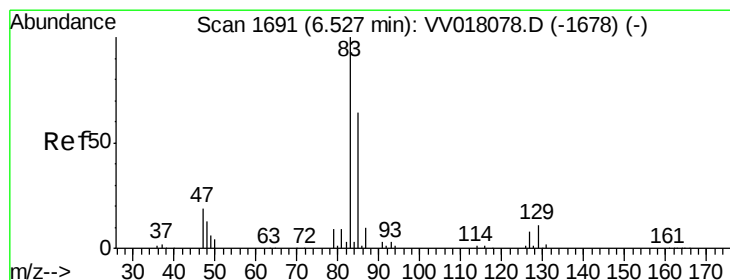
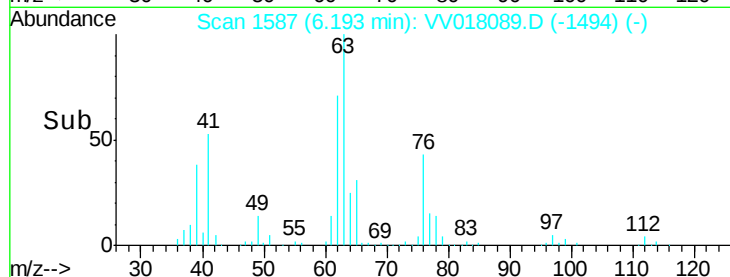
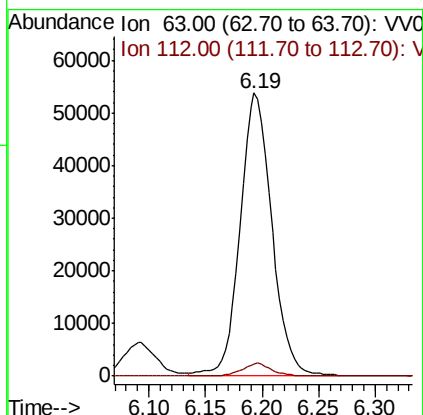
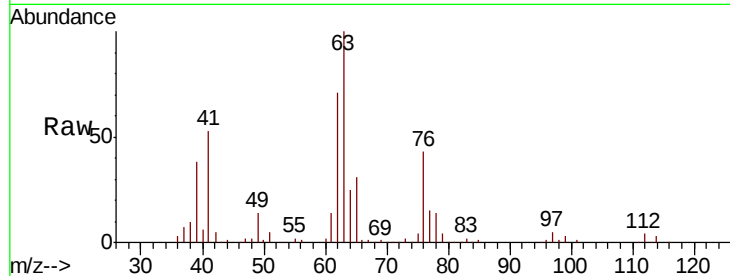




#37
 1,2-Dichloropropane
 Concen: 44.253 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VV018089.D
 Acq: 25 Aug 2020 09:49

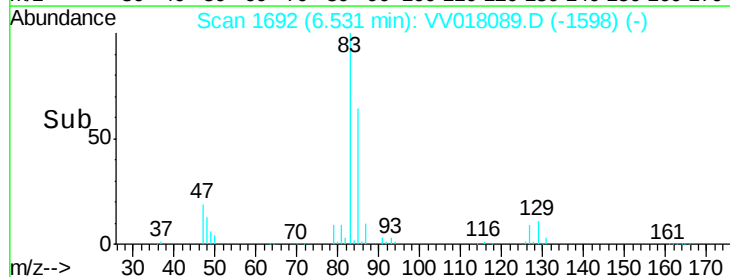
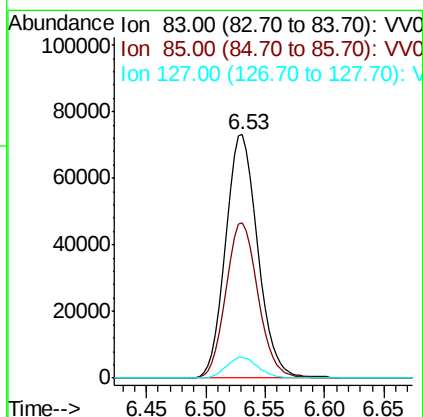
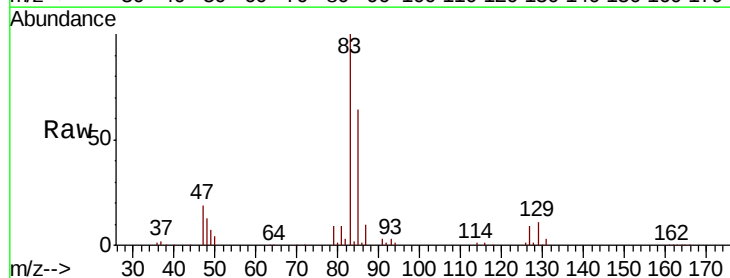
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

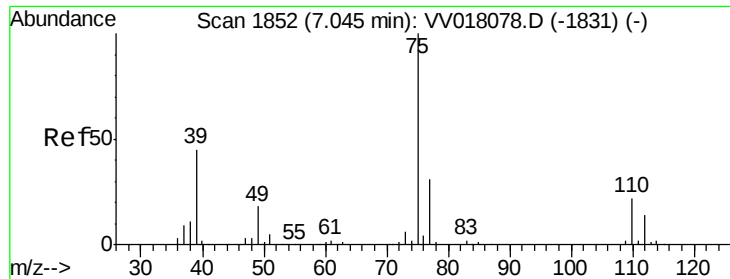
Tot Ion: 63 Resp: 104252
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 47.016 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018089.D
 Acq: 25 Aug 2020 09:49

Tgt Ion: 83 Resp: 137577
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.3 82.3
 127 8.7 6.5 9.7

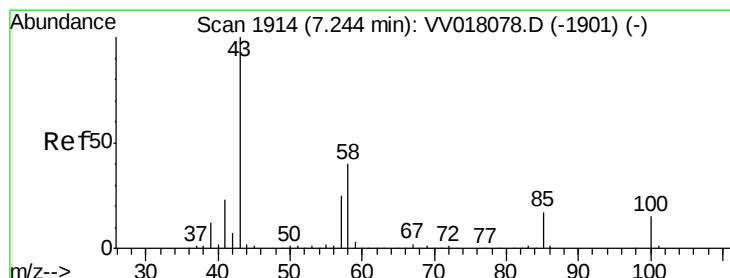
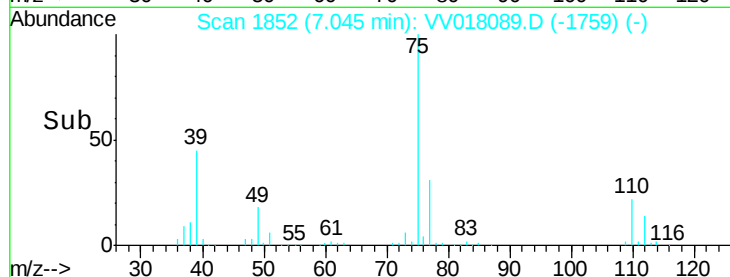
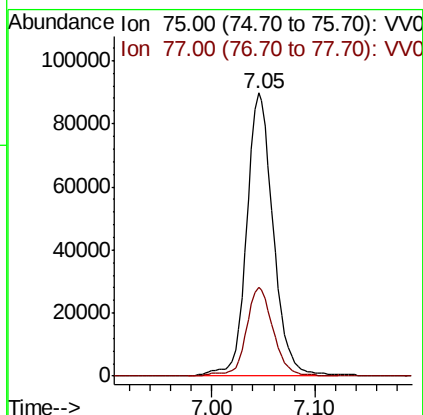
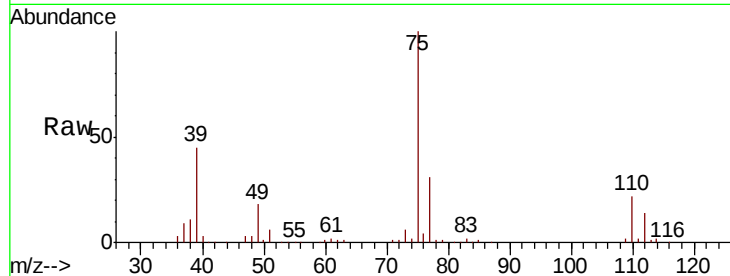




#39
 cis-1,3-Dichloropropene
 Concen: 48.084 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV018089.D
 Acq: 25 Aug 2020 09:49

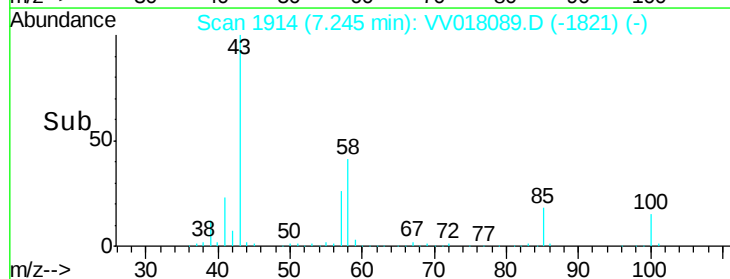
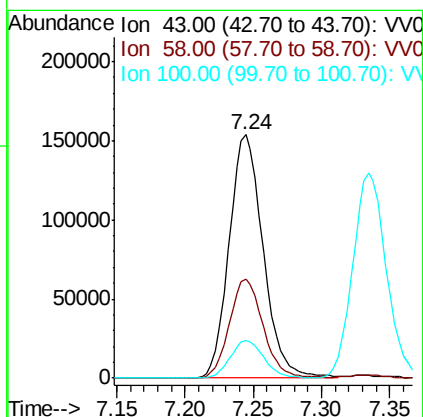
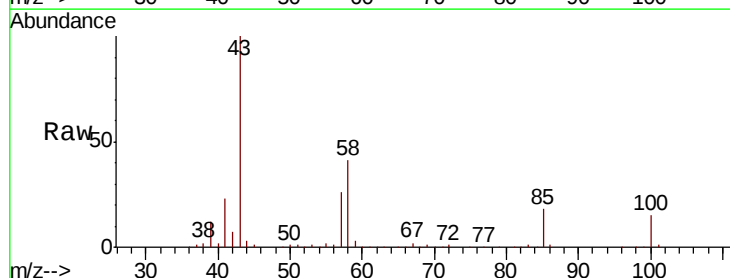
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

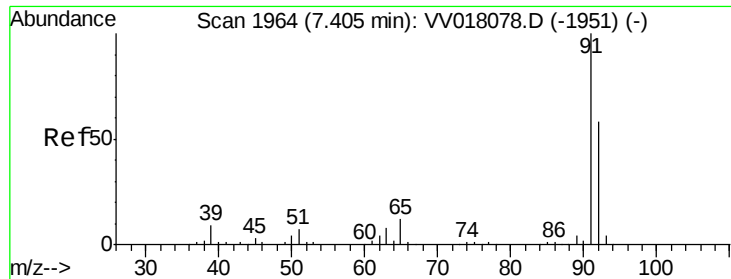
Tot Ion: 75 Resp: 160584
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 86.696 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018089.D
 Acq: 25 Aug 2020 09:49

Tgt Ion: 43 Resp: 266994
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.9 47.9
 100 15.4 12.2 18.2





#42

Toluene

Concen: 45.514 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

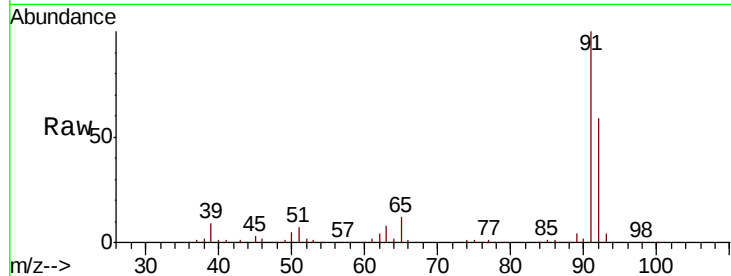
VSTD05083

Tot Ion: 91 Resp: 410266

Ion Ratio Lower Upper

91 100

92 58.8 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

250000

200000

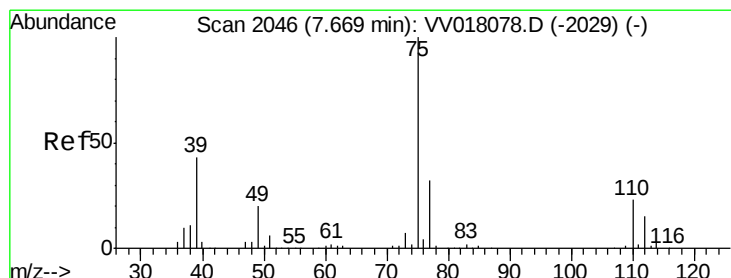
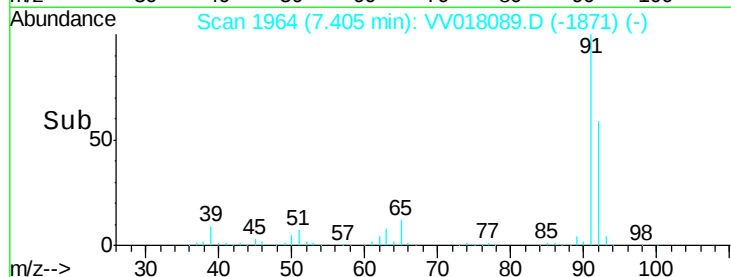
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 49.614 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018089.D

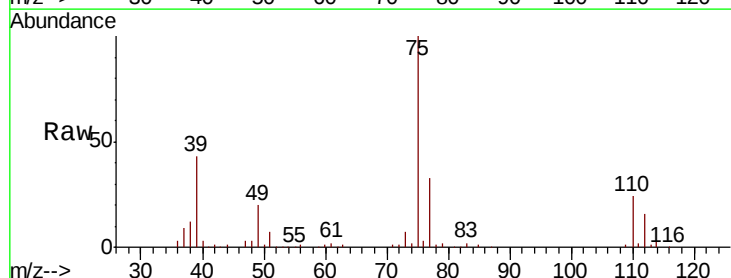
Acq: 25 Aug 2020 09:49

Tgt Ion: 75 Resp: 157213

Ion Ratio Lower Upper

75 100

77 32.9 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

100000

80000

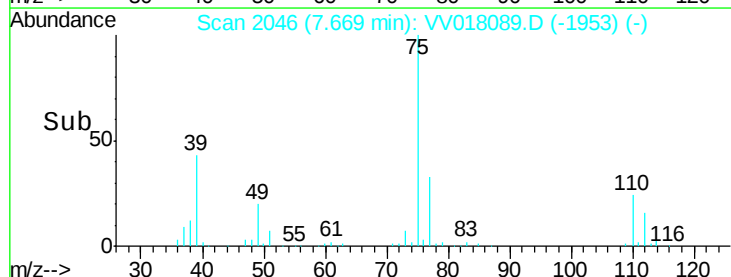
60000

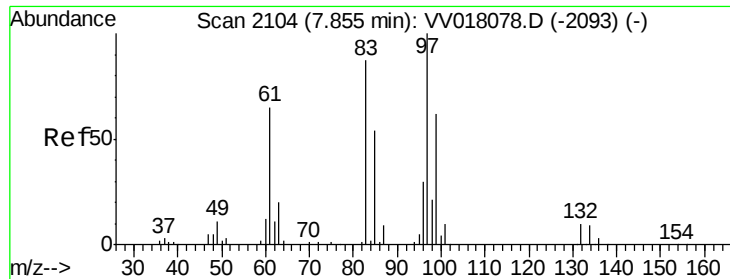
40000

20000

0

Time--> 7.60 7.70 7.80

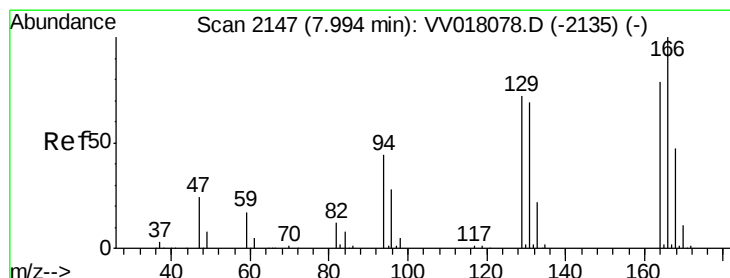
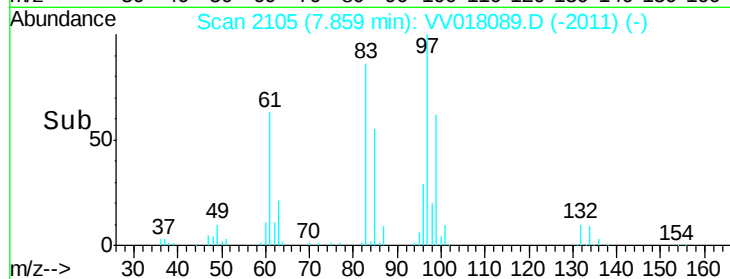
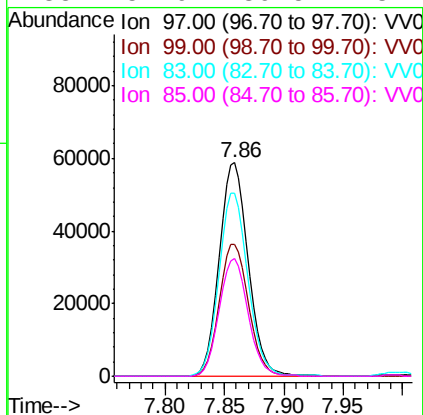
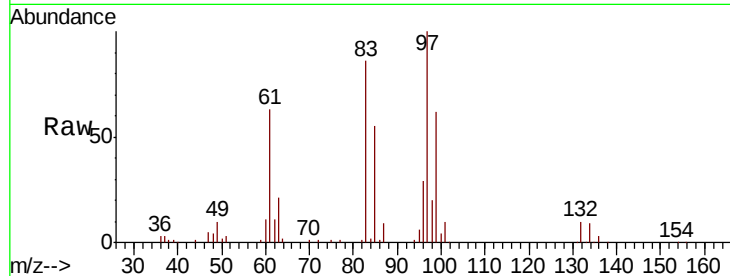




#45
 1,1,2-Trichloroethane
 Concen: 45.651 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018089.D
 Acq: 25 Aug 2020 09:49

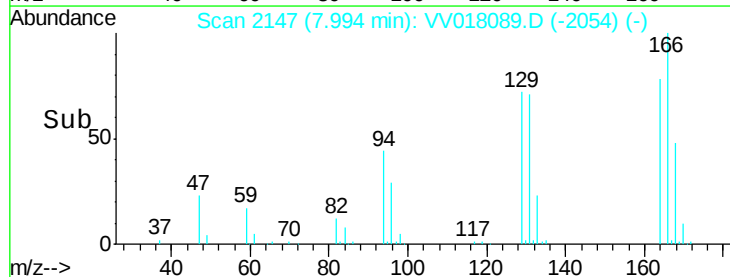
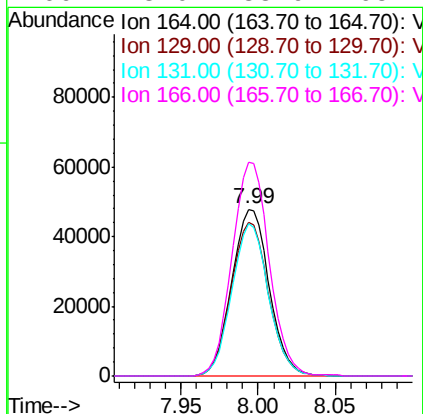
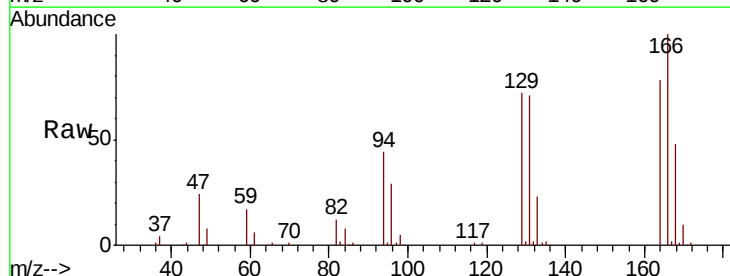
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

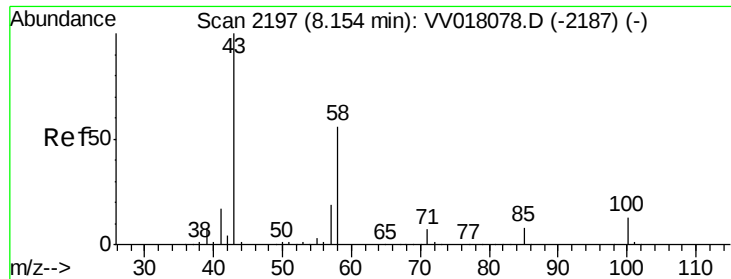
Tot Ion:	97	Resp:	99596
Ion	Ratio	Lower	Upper
97	100		
99	61.9	44.2	82.2
83	85.9	61.0	113.4
85	54.9	39.5	73.4



#46
 Tetrachloroethene
 Concen: 48.129 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VV018089.D
 Acq: 25 Aug 2020 09:49

Tgt Ion:	164	Resp:	80598
Ion	Ratio	Lower	Upper
164	100		
129	92.3	64.8	120.3
131	90.9	64.5	119.9
166	128.0	88.9	165.1

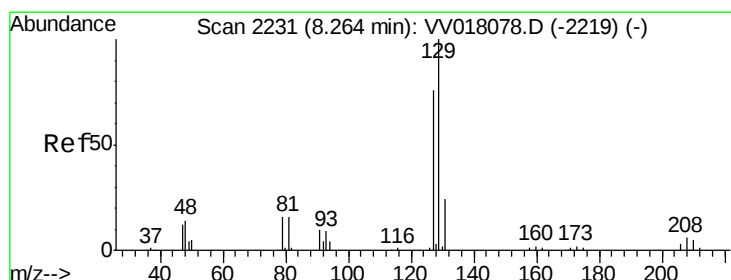
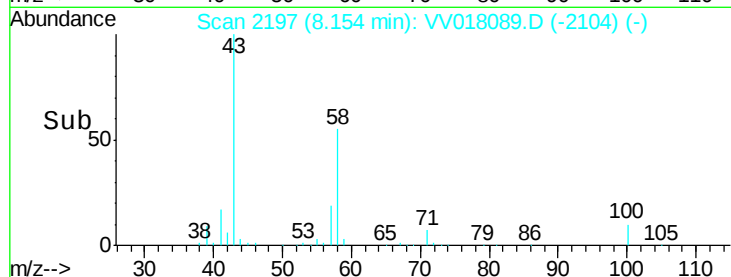
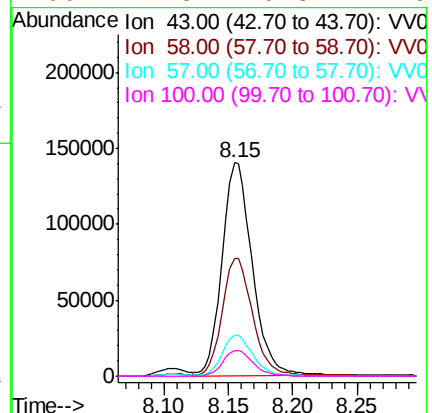
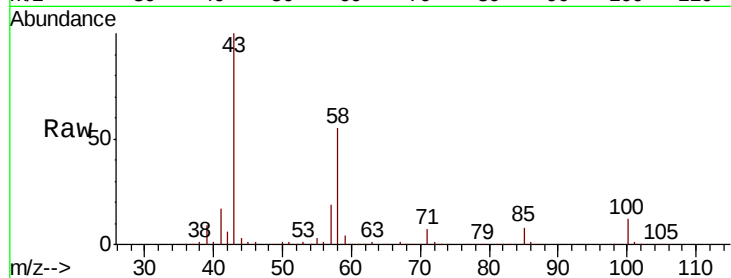




#48
2-Hexanone
Concen: 91.386 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV018089.D
Acq: 25 Aug 2020 09:49

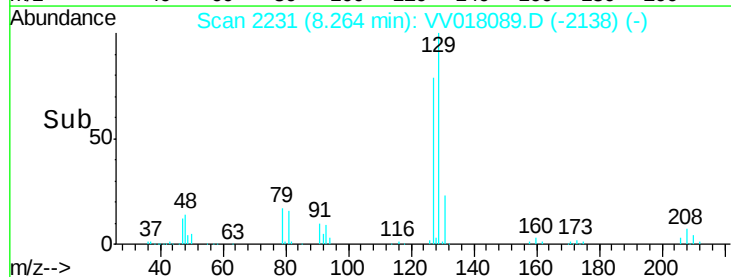
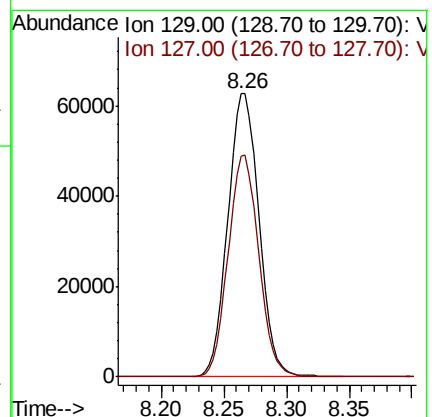
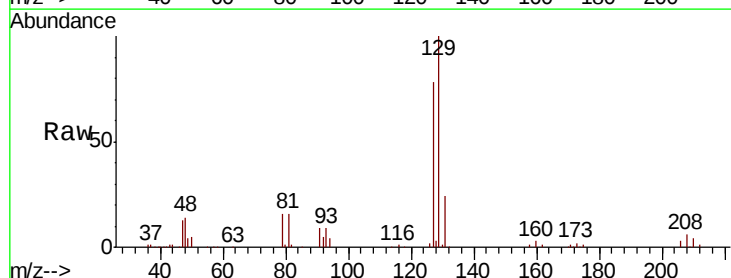
Instrument :
MSVOA_V
ClientSampleId :
VSTD05083

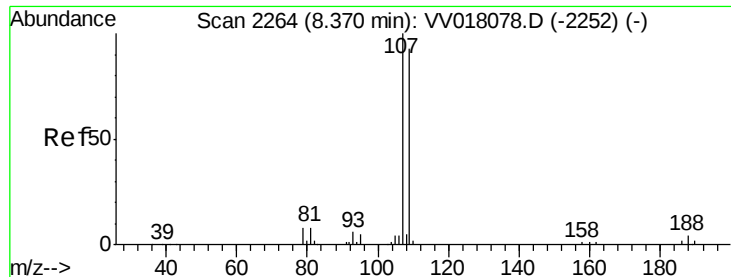
Tot Ion: 43 Resp: 226949
Ion Ratio Lower Upper
43 100
58 56.3 44.4 66.6
57 19.4 15.2 22.8
100 12.3 9.8 14.6



#49
Dibromochloromethane
Concen: 50.893 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VV018089.D
Acq: 25 Aug 2020 09:49

Tgt Ion: 129 Resp: 108377
Ion Ratio Lower Upper
129 100
127 77.9 54.9 101.9

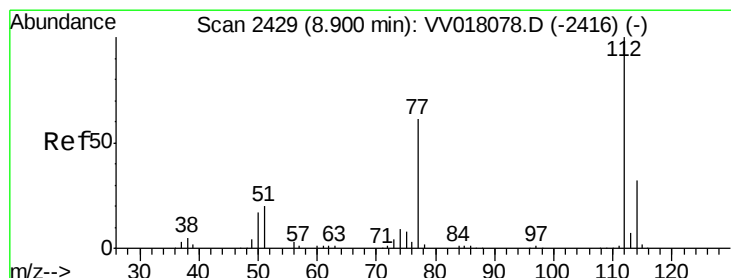
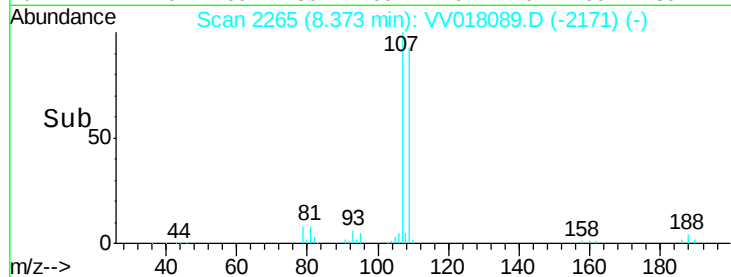
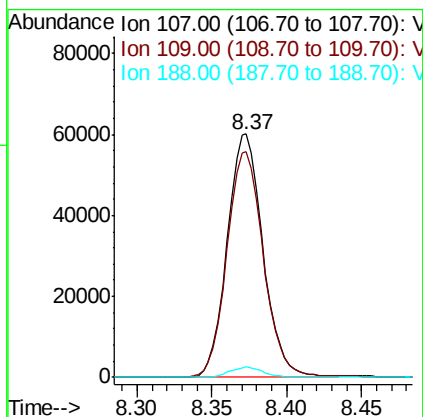
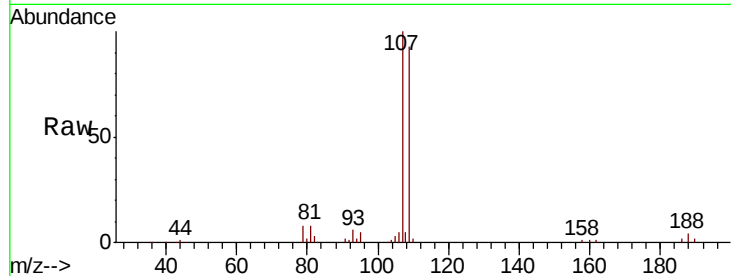




#50
 1,2-Dibromoethane
 Concen: 44.415 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018089.D
 Acq: 25 Aug 2020 09:49

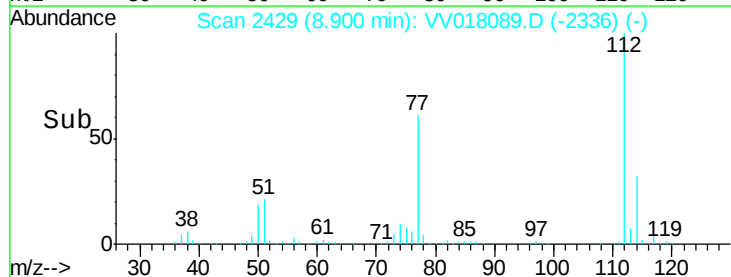
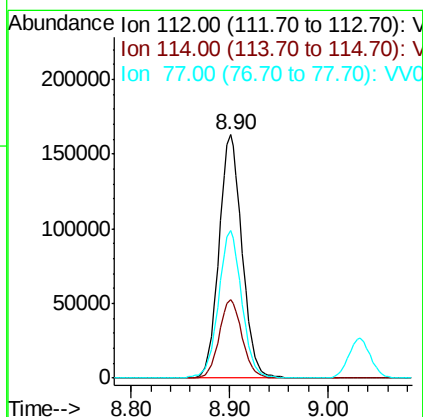
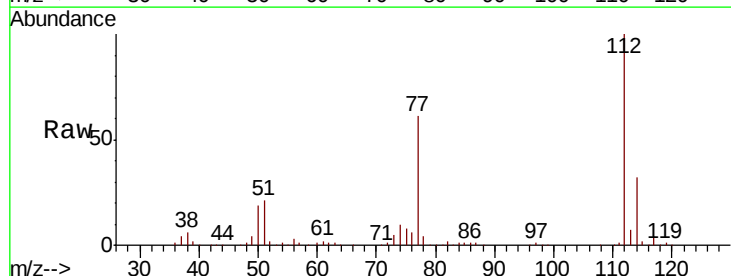
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

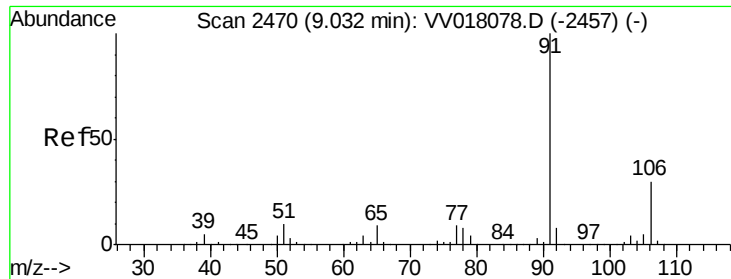
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	67.5	125.4
188	4.3	3.4	5.0



#51
 Chlorobenzene
 Concen: 46.150 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV018089.D
 Acq: 25 Aug 2020 09:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.7	42.3
77	60.5	49.4	74.2





#52

Ethylbenzene

Concen: 46.536 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

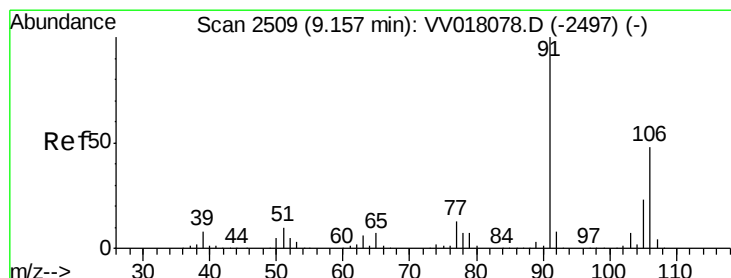
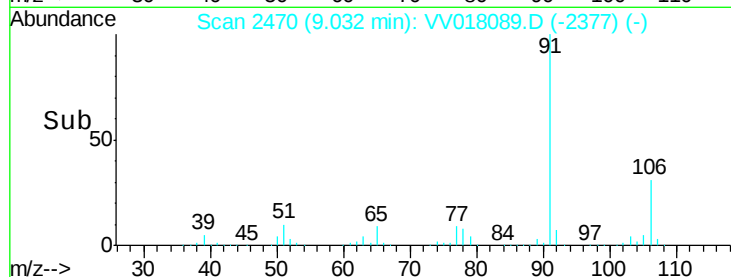
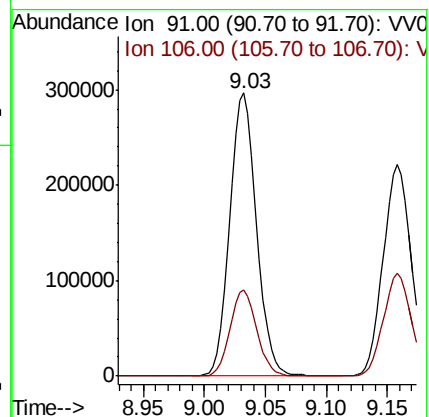
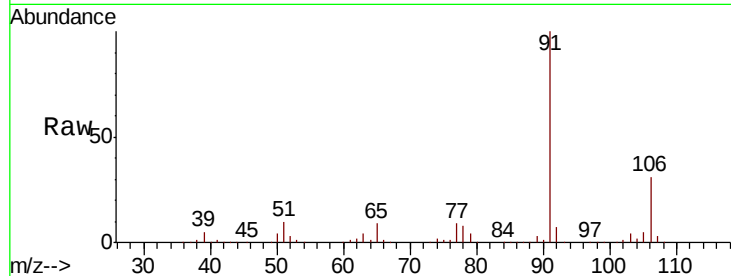
VSTD05083

Tot Ion: 91 Resp: 457381

Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.3



#53

m,p-Xylene

Concen: 47.290 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018089.D

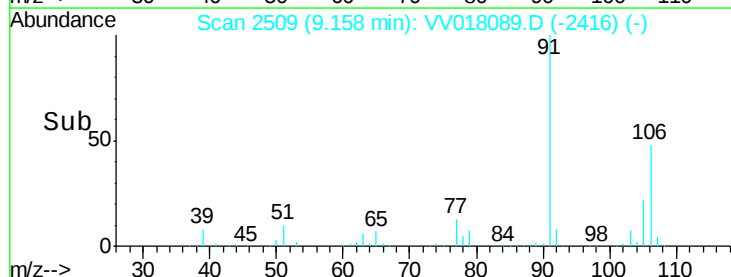
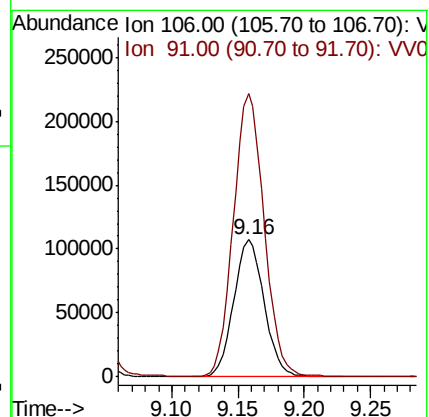
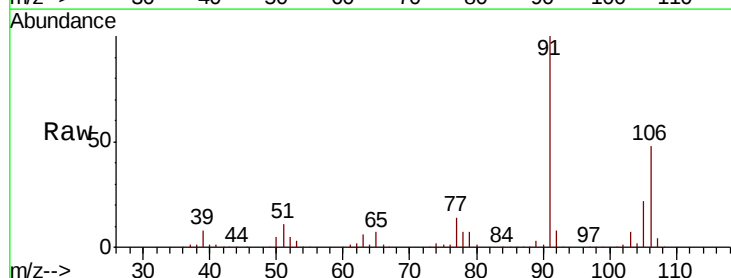
Acq: 25 Aug 2020 09:49

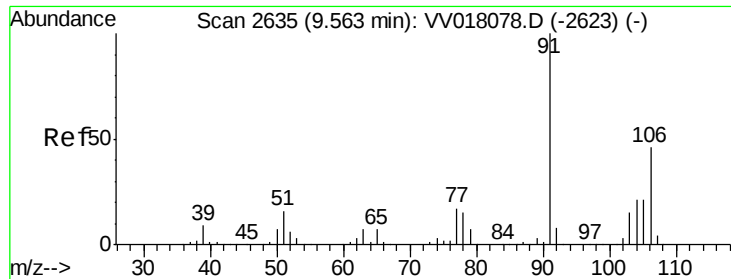
Tgt Ion: 106 Resp: 170950

Ion Ratio Lower Upper

106 100

91 206.4 147.3 273.6

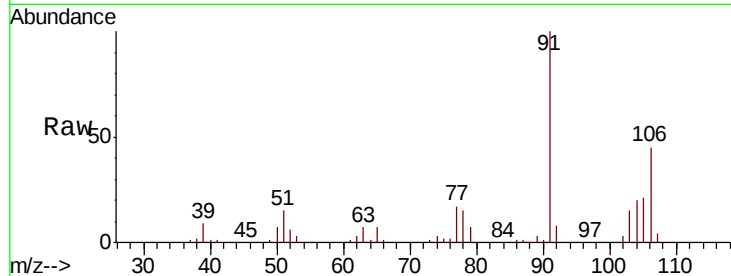




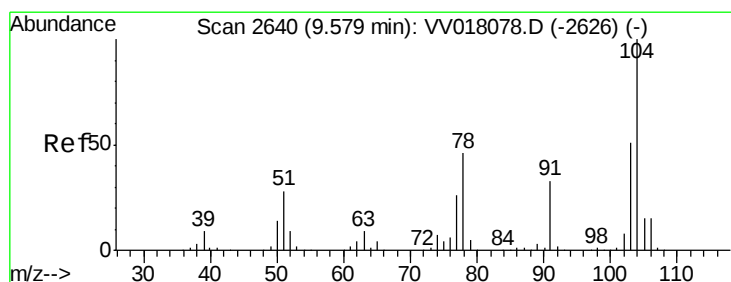
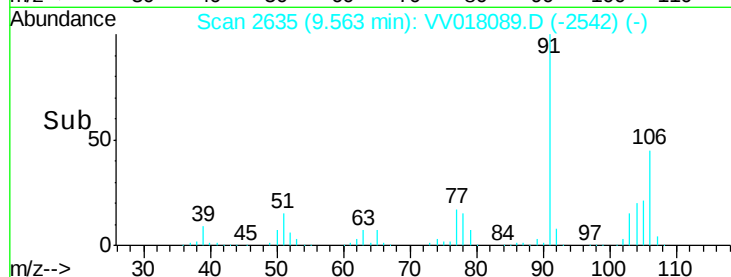
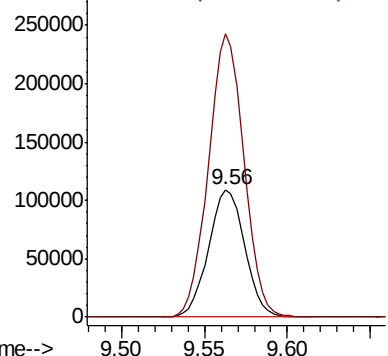
#54
o-xylene
Concen: 46.367 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018089.D
Acq: 25 Aug 2020 09:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD05083

Tot Ion:106 Resp: 165638
Ion Ratio Lower Upper
106 100
91 221.7 156.0 289.8

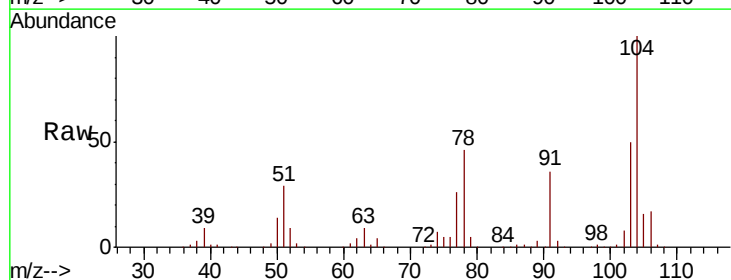


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

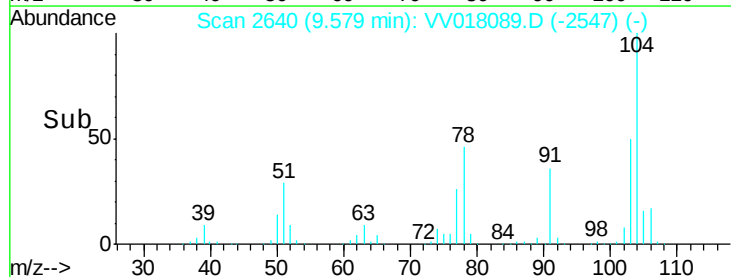
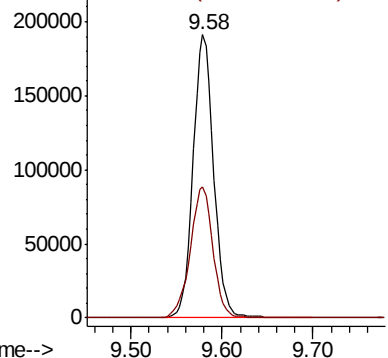


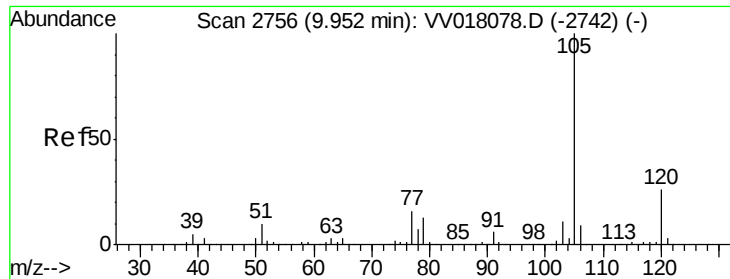
#55
Styrene
Concen: 49.092 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV018089.D
Acq: 25 Aug 2020 09:49

Tgt Ion:104 Resp: 300329
Ion Ratio Lower Upper
104 100
78 46.4 32.2 59.8



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





#56

Isopropylbenzene

Concen: 48.123 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

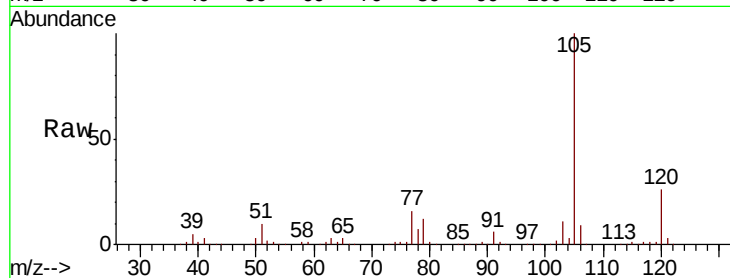
Tot Ion:105 Resp: 453519

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

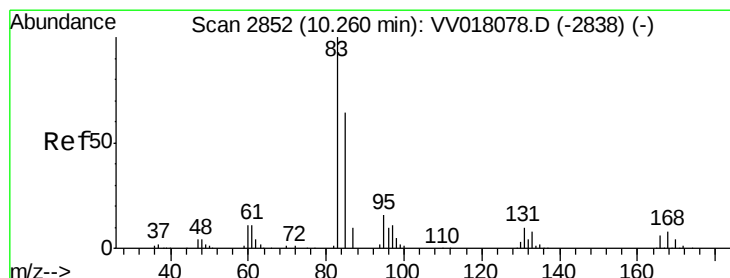
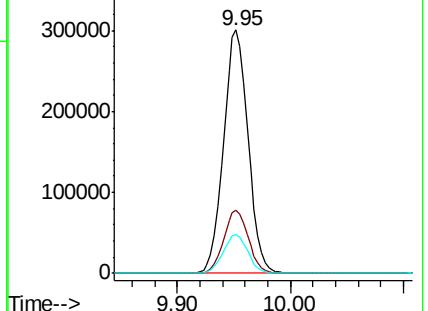
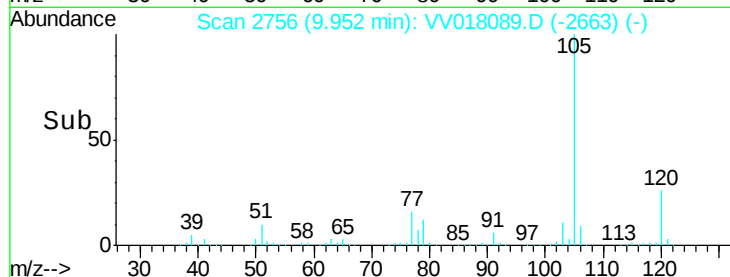
77 16.0 13.1 19.7



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: 43.838 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

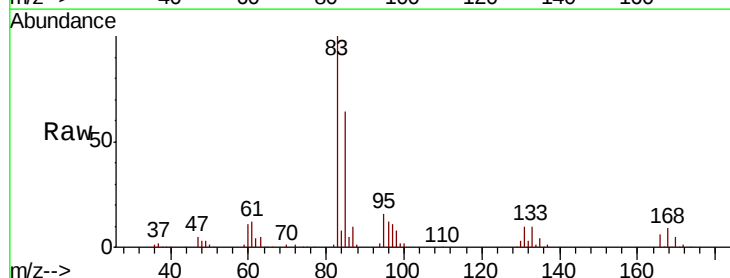
Tgt Ion: 83 Resp: 148932

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.7

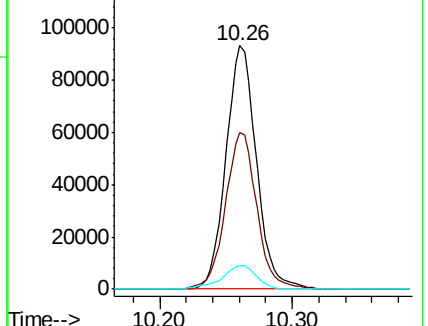
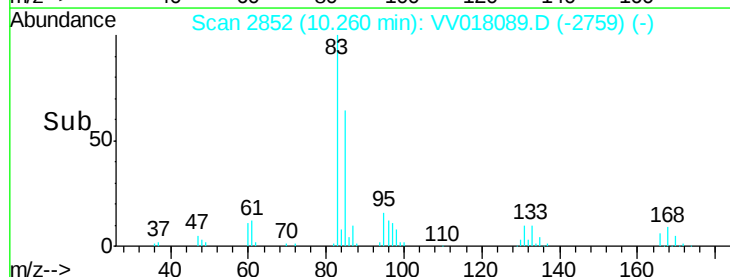
131 9.8 7.8 11.6

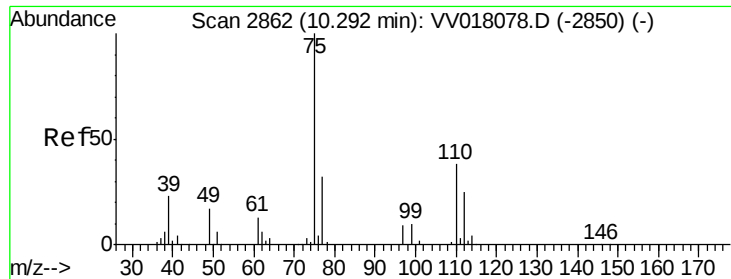


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 43.463 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

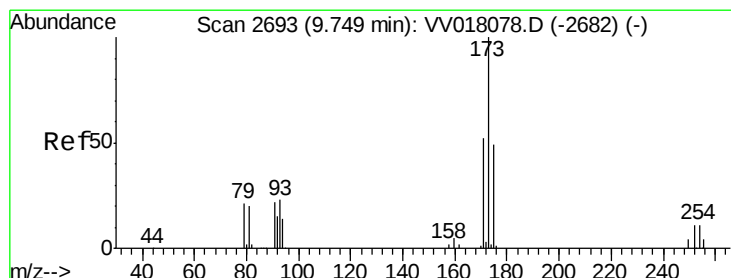
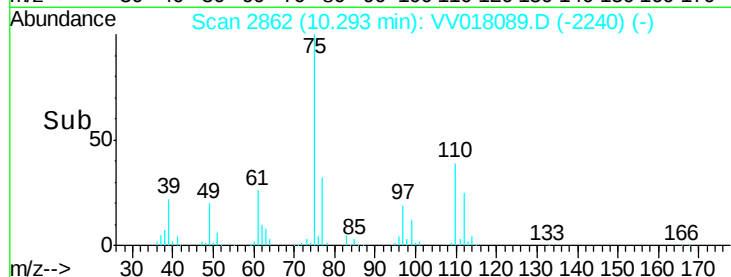
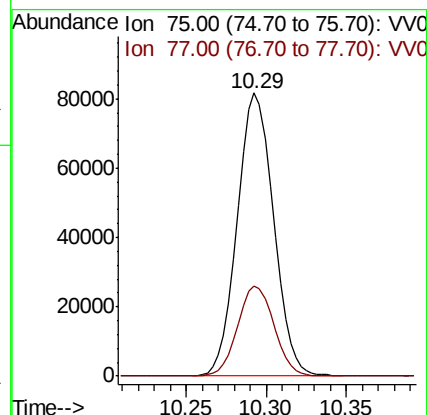
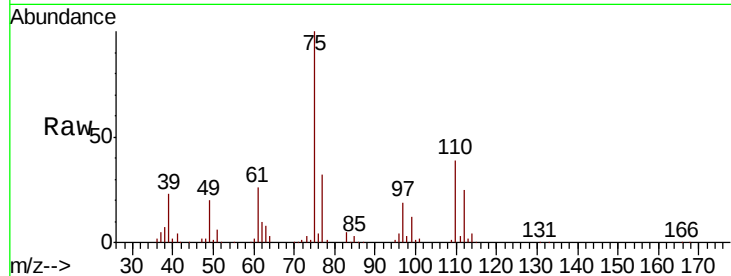
VSTD05083

Tot Ion: 75 Resp: 126454

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#61

Bromoform

Concen: 53.567 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

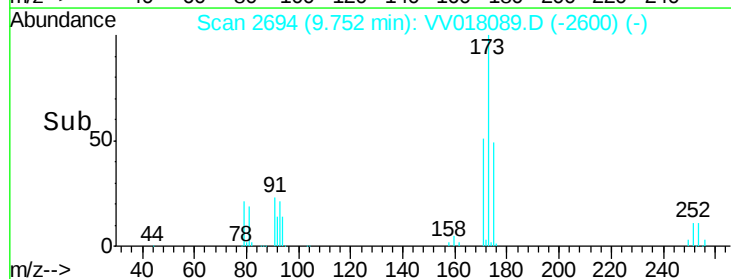
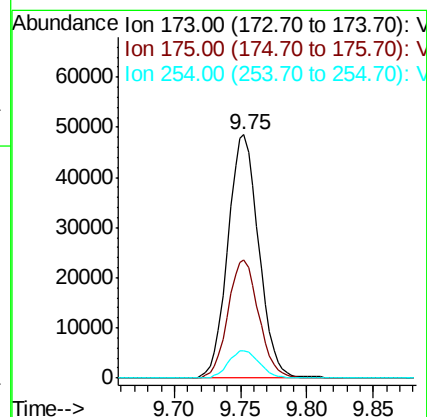
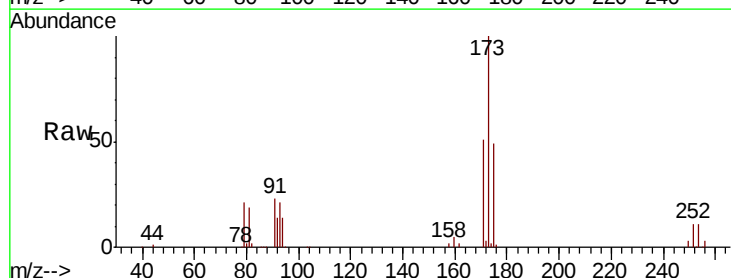
Tgt Ion: 173 Resp: 78573

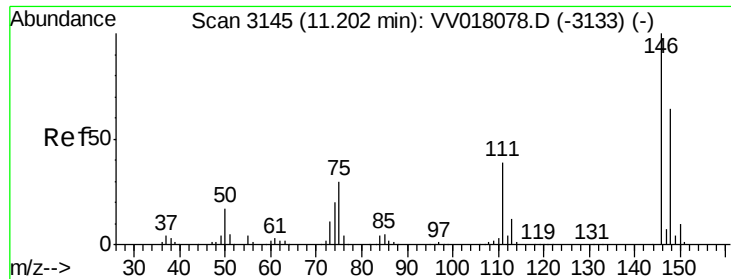
Ion Ratio Lower Upper

173 100

175 48.4 38.6 57.8

254 11.3 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 45.639 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

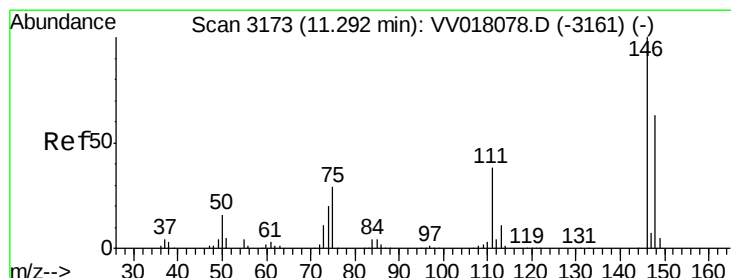
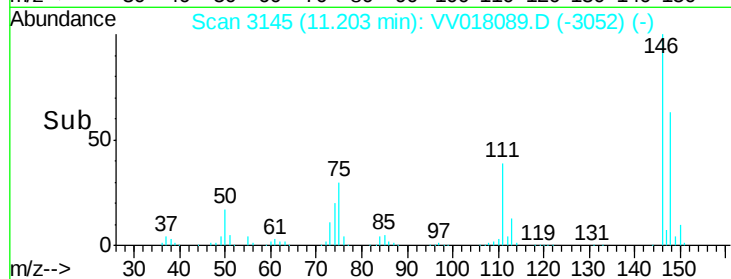
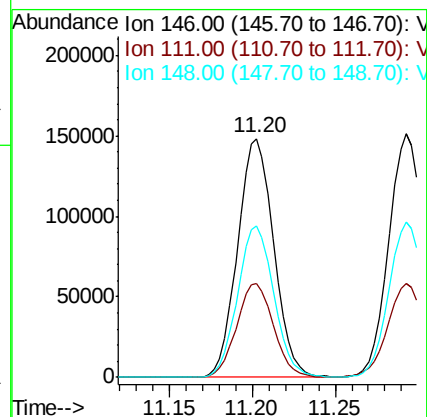
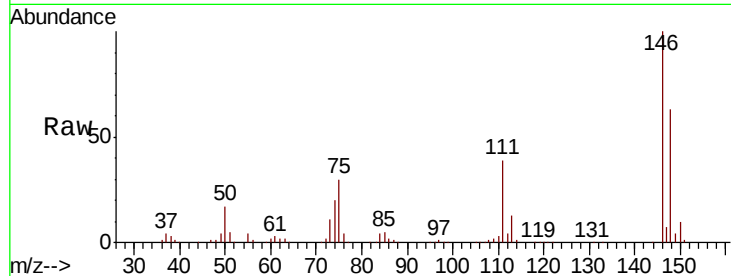
Tot Ion:146 Resp: 224981

Ion Ratio Lower Upper

146 100

111 39.4 28.8 53.4

148 63.3 44.9 83.5



#63

1,4-Dichlorobenzene

Concen: 45.356 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

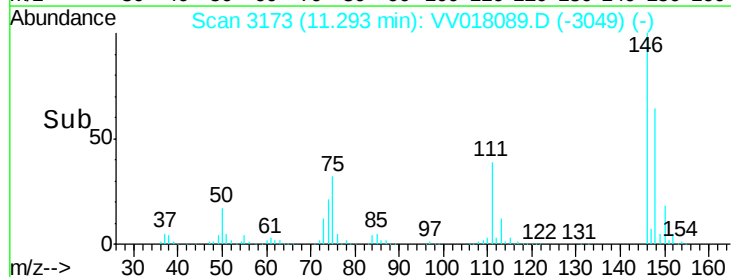
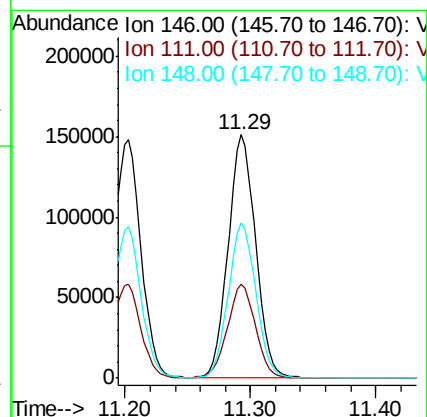
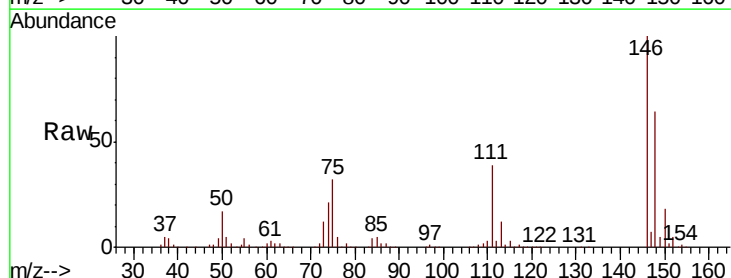
Tgt Ion:146 Resp: 229685

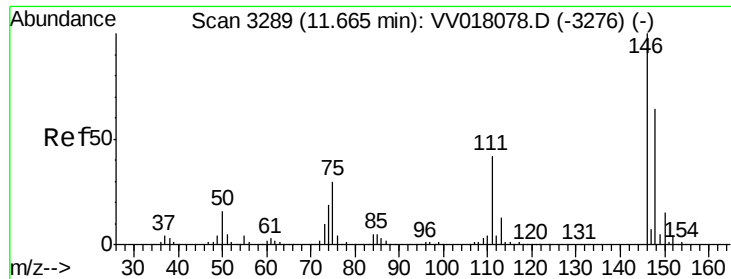
Ion Ratio Lower Upper

146 100

111 38.7 28.0 52.0

148 63.8 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 44.683 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

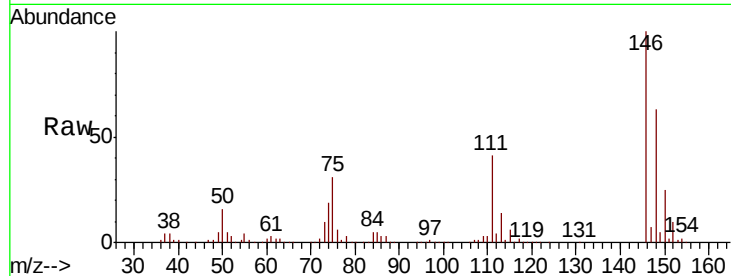
Tot Ion:146 Resp: 226717

Ion Ratio Lower Upper

146 100

111 40.7 34.2 51.4

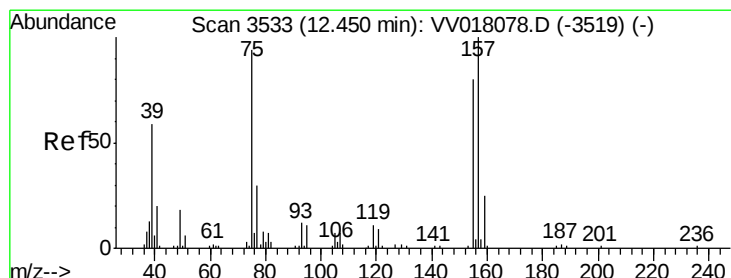
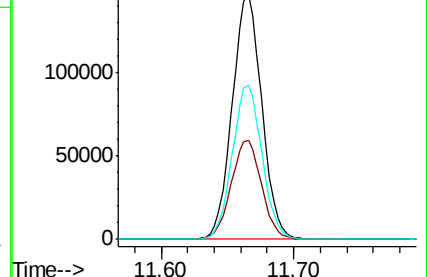
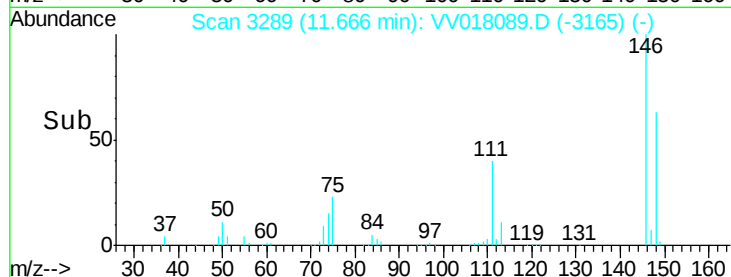
148 63.3 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 42.319 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

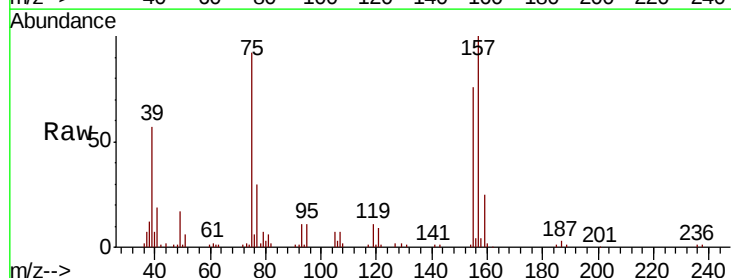
Tgt Ion: 75 Resp: 31637

Ion Ratio Lower Upper

75 100

155 82.5 67.6 101.4

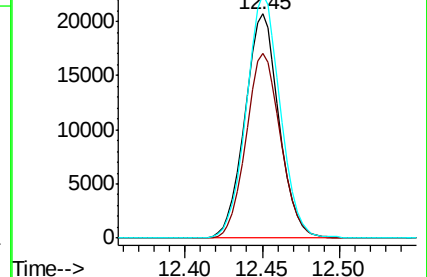
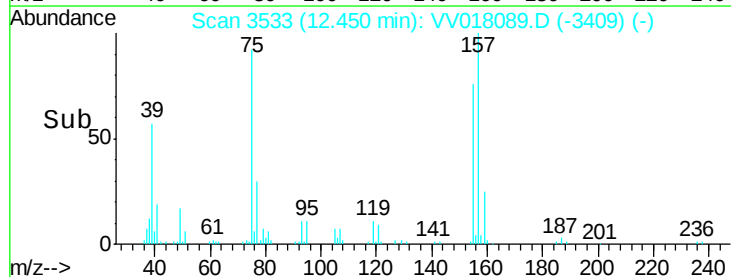
157 108.6 84.3 126.5

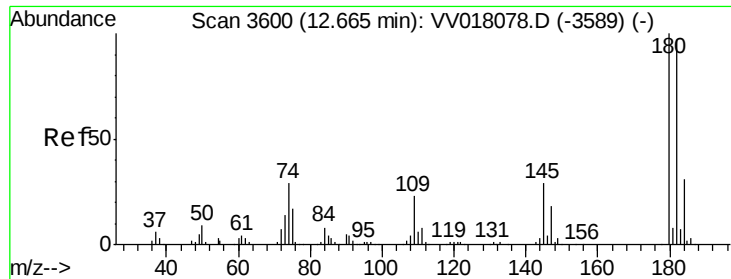


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

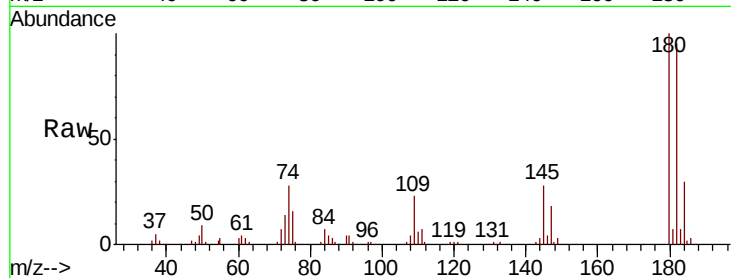




#67
 1,3,5-Trichlorobenzene
 Concen: 47.733 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018089.D
 Acq: 25 Aug 2020 09:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.2	115.8
184	30.5	24.6	36.8
145	28.5	23.5	35.3

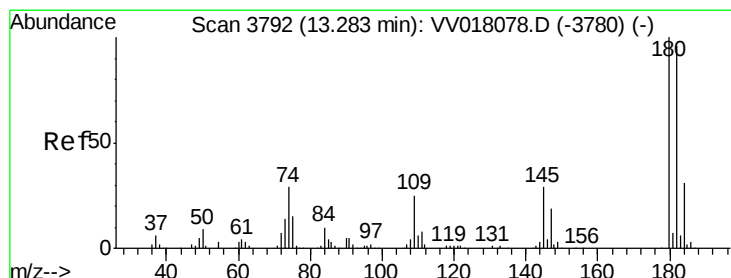
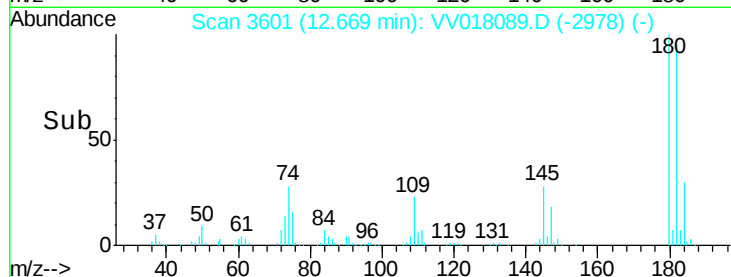
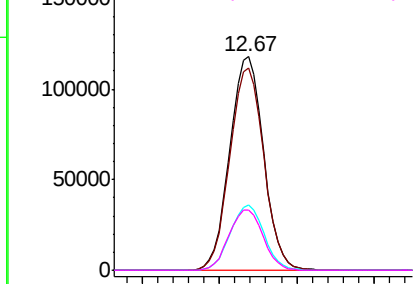


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

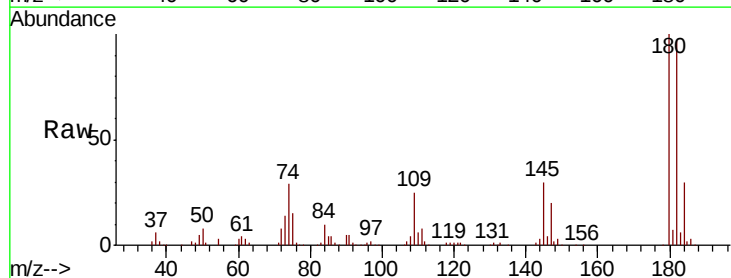
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.763 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018089.D
 Acq: 25 Aug 2020 09:49

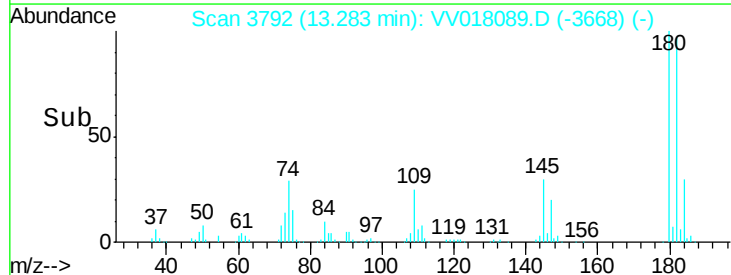
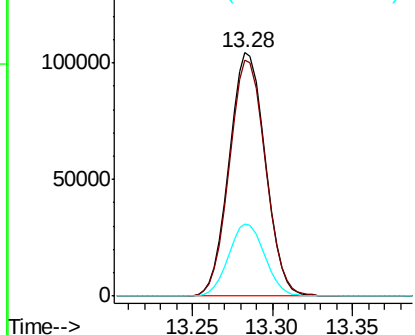
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.4	114.6
145	29.6	24.0	36.0

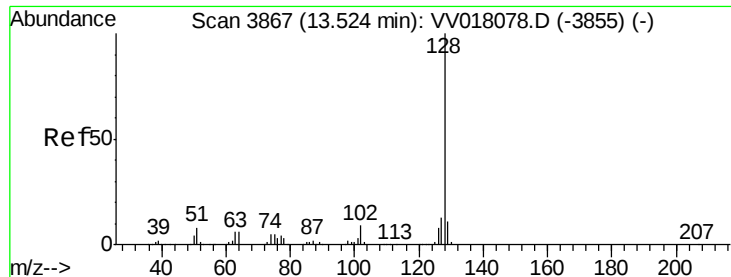


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 46.177 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

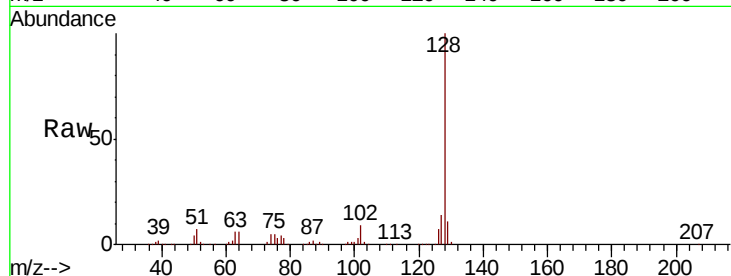
Tot Ion:128 Resp: 419040

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

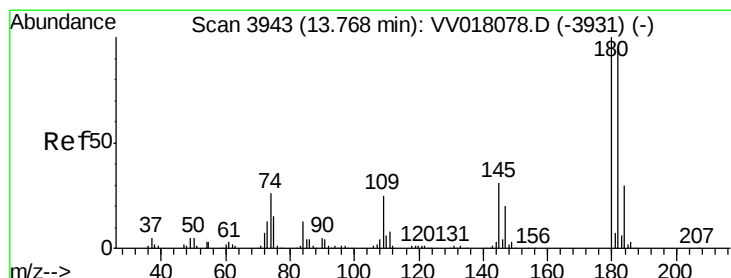
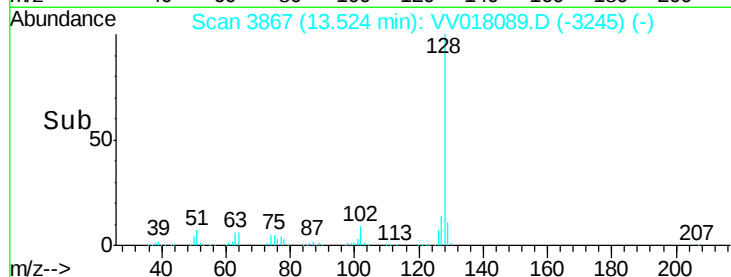
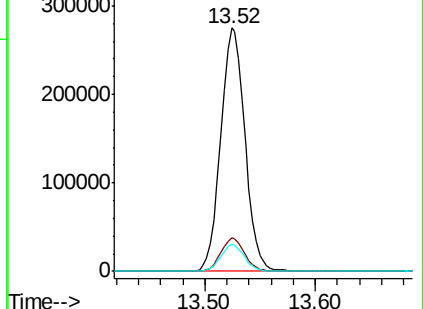
129 10.8 8.7 13.1



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: 49.013 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018089.D

Acq: 25 Aug 2020 09:49

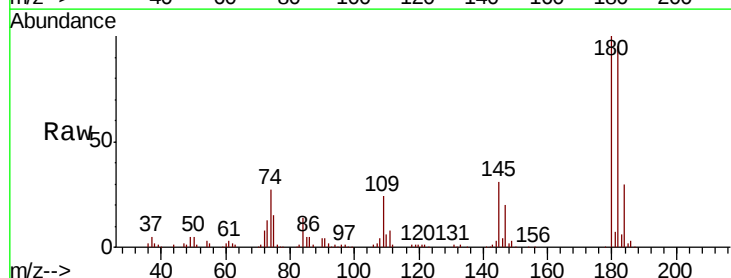
Tgt Ion:180 Resp: 164106

Ion Ratio Lower Upper

180 100

182 95.4 76.5 114.7

145 31.2 26.0 39.0



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

