

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082720\
 Data File : VV018126.D
 Acq On : 27 Aug 2020 19:08
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Quant Time: Aug 28 06:25:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 28 06:20:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	267144	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	266761	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	147452	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84526	41.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.94%
7) Chloroethane-d5	1.58	69	77956	46.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.50%
11) 1,1-Dichloroethene-d2	2.12	63	180195	46.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.44%
21) 2-Butanone-d5	3.91	46	130911	98.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.06%
24) Chloroform-d	4.38	84	180559	48.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.32%
26) 1,2-Dichloroethane-d4	5.06	65	117045	48.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.14%
32) Benzene-d6	5.08	84	347178	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.44%
36) 1,2-Dichloropropane-d6	6.09	67	113127	47.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.14%
41) Toluene-d8	7.34	98	318405	48.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.32%
43) trans-1,3-Dichloropropene-	7.64	79	54652	50.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.26%
47) 2-Hexanone-d5	8.11	63	76896	99.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.70%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	153863	49.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	138282	47.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	90608	43.932	ug/L	99
3) Chloromethane	1.25	50	105779	44.152	ug/L	100
5) Vinyl chloride	1.32	62	111486	46.966	ug/L	98
6) Bromomethane	1.53	94	68412	48.221	ug/L	99
8) Chloroethane	1.60	64	72505	47.856	ug/L	98
9) Trichlorofluoromethane	1.76	101	161204	47.542	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	93437	49.352	ug/L	98
12) 1,1-Dichloroethene	2.13	96	88732	49.516	ug/L	97
13) Acetone	2.19	43	104158	75.538	ug/L	98
14) Carbon disulfide	2.31	76	230024	46.638	ug/L	100
15) Methyl Acetate	2.45	43	111286	50.011	ug/L	99
16) Methylene chloride	2.52	84	110118	48.234	ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	93385	50.696	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	320609	52.628	ug/L	99
19) 1,1-Dichloroethane	3.21	63	192624	52.005	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	106616	52.669	ug/L	97
22) 2-Butanone	3.99	43	150533	97.313	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082720\
 Data File : VV018126.D
 Acq On : 27 Aug 2020 19:08
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Quant Time: Aug 28 06:25:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 28 06:20:16 2020
 Response via : Initial Calibration

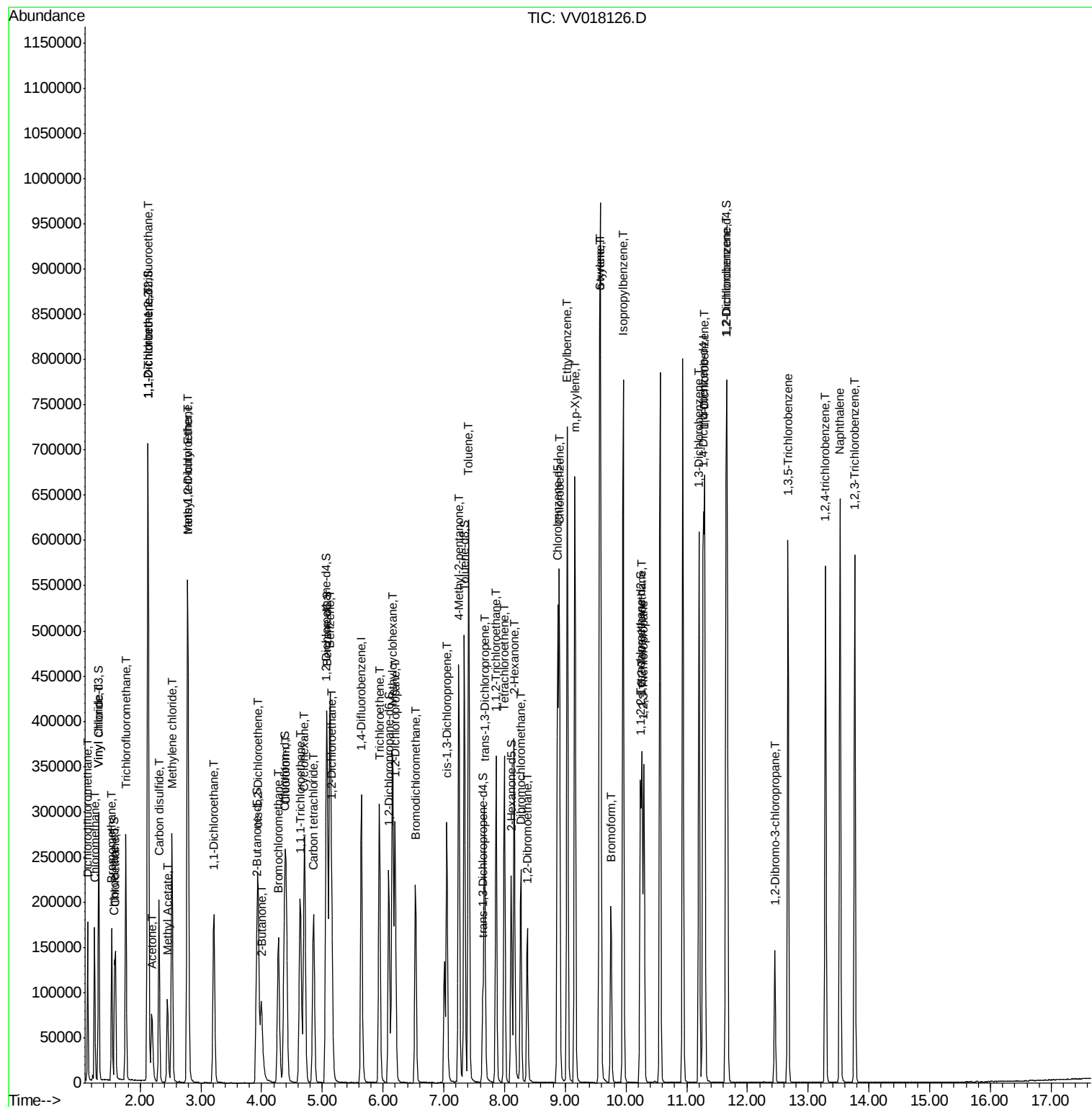
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	56421	53.355	ug/L	96
25) Chloroform	4.40	83	198383	52.512	ug/L	100
27) 1,2-Dichloroethane	5.16	62	155583	51.740	ug/L	98
29) Cyclohexane	4.70	56	150962	46.888	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	166816	51.030	ug/L	98
31) Carbon tetrachloride	4.86	117	140833	51.751	ug/L	98
33) Benzene	5.13	78	412821	50.020	ug/L	100
34) Trichloroethene	5.94	95	106518	48.827	ug/L	97
35) Methylcyclohexane	6.16	83	150200	46.302	ug/L	99
37) 1,2-Dichloropropane	6.20	63	113881	50.597	ug/L	100
38) Bromodichloromethane	6.53	83	146184	52.290	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	171164	53.645	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	303435	103.129	ug/L	100
42) Toluene	7.41	91	442667	51.401	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	169183	55.885	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	107879	51.756	ug/L	99
46) Tetrachloroethene	8.00	164	81720	51.077	ug/L	98
48) 2-Hexanone	8.16	43	231931	97.753	ug/L	99
49) Dibromochloromethane	8.27	129	117329	57.670	ug/L	100
50) 1,2-Dibromoethane	8.37	107	111339	51.629	ug/L	97
51) Chlorobenzene	8.90	112	287433	51.894	ug/L	99
52) Ethylbenzene	9.03	91	485235	51.675	ug/L	99
53) m,p-Xylene	9.16	106	182235	52.765	ug/L	98
54) o-xylene	9.56	106	177596	52.035	ug/L	99
55) Styrene	9.58	104	321313	54.974	ug/L	99
56) Isopropylbenzene	9.95	105	478751	53.172	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	168043	51.773	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	139720	50.265	ug/L	99
61) Bromoform	9.75	173	85472	61.262	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	239887	51.161	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	244237	50.705	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	243541	50.463	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	35765	50.297	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	185362	52.040	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	172735	55.159	ug/L	100
69) Naphthalene	13.52	128	475942	55.140	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	178597	56.080	ug/L	98

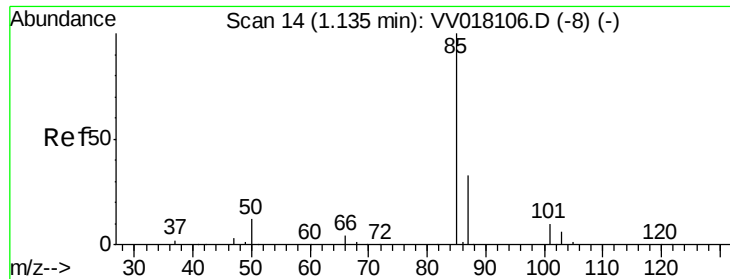
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV082720\
Data File : VV018126.D
Acq On : 27 Aug 2020 19:08
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

Quant Time: Aug 28 06:25:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 28 06:20:16 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 43.932 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

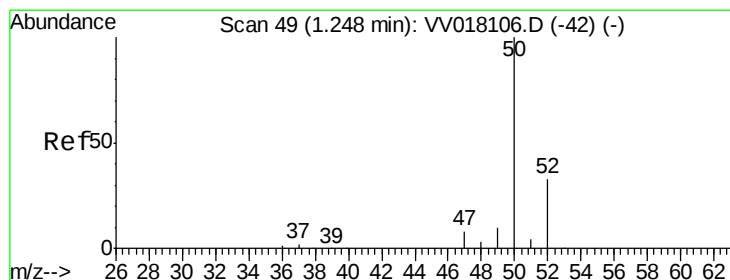
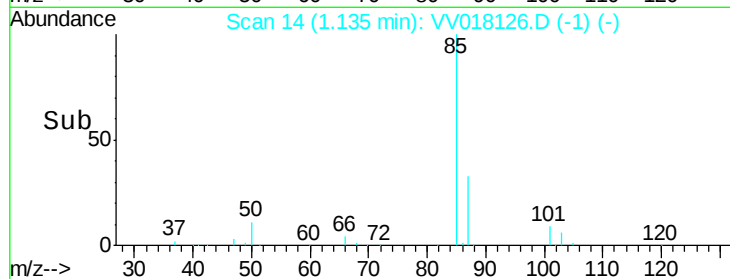
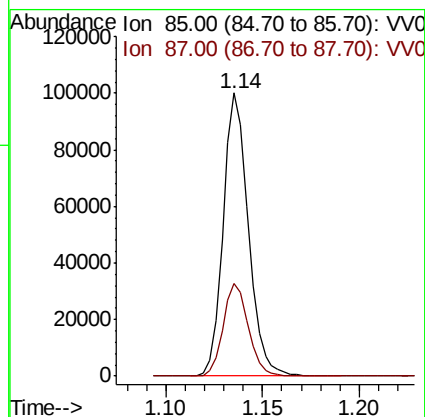
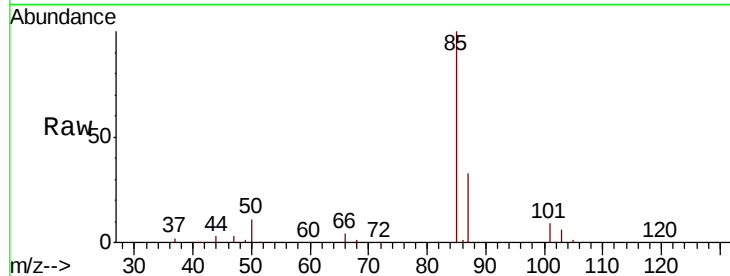
VSTD05088

Tot Ion: 85 Resp: 90608

Ion Ratio Lower Upper

85 100

87 32.7 25.9 38.9



#3

Chloromethane

Concen: 44.152 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018126.D

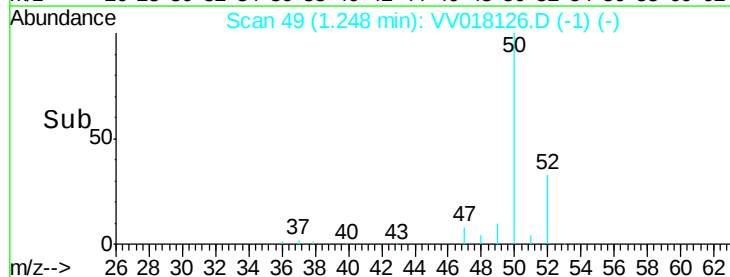
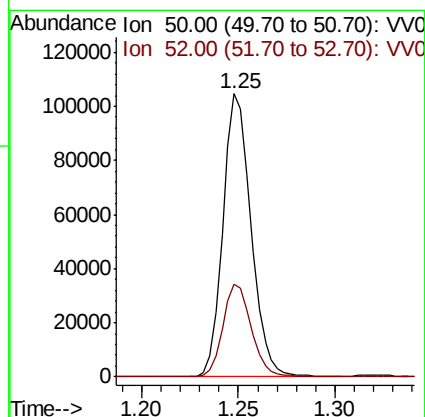
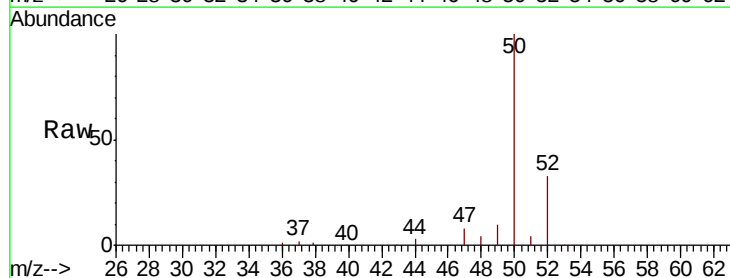
Acq: 27 Aug 2020 19:08

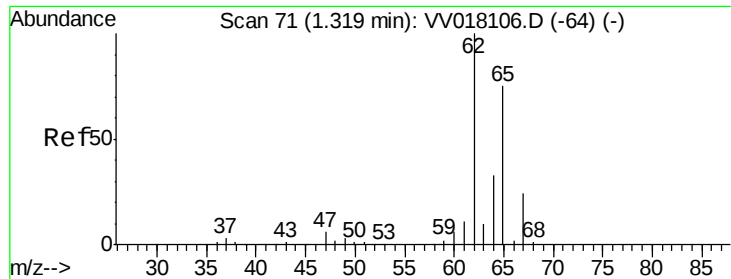
Tgt Ion: 50 Resp: 105779

Ion Ratio Lower Upper

50 100

52 32.9 23.2 43.2





#5

Vinyl chloride

Concen: 46.966 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

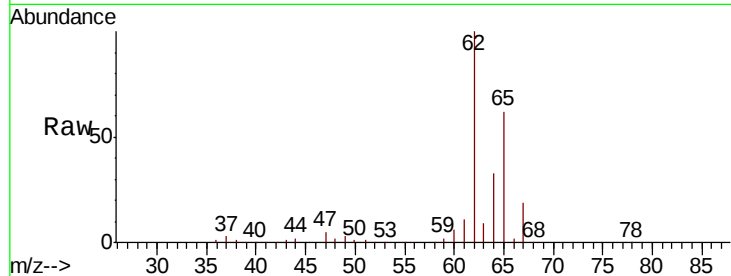
VSTD05088

Tot Ion: 62 Resp: 111486

Ion Ratio Lower Upper

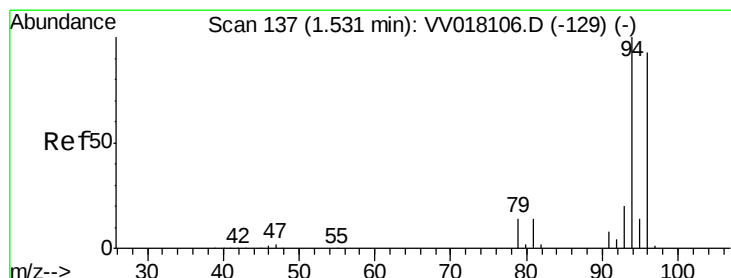
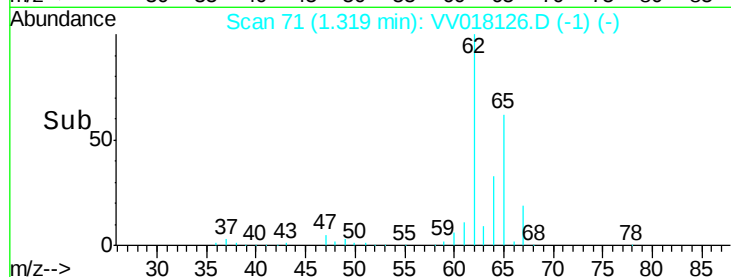
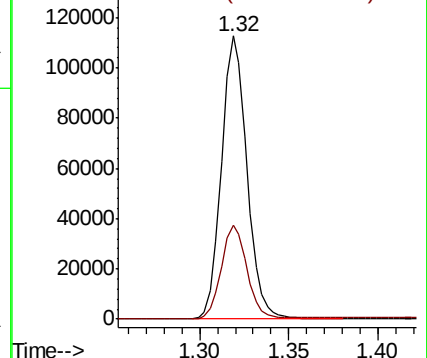
62 100

64 33.4 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 48.221 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018126.D

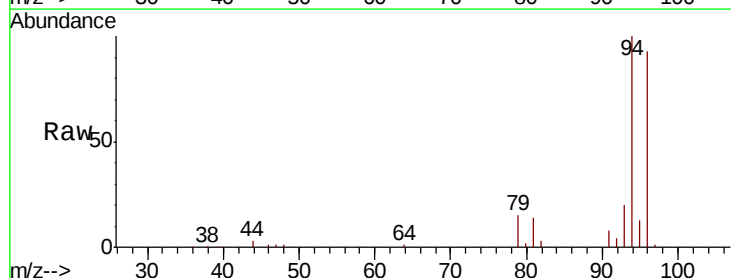
Acq: 27 Aug 2020 19:08

Tgt Ion: 94 Resp: 68412

Ion Ratio Lower Upper

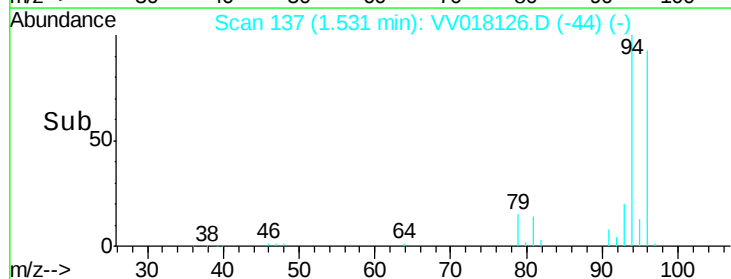
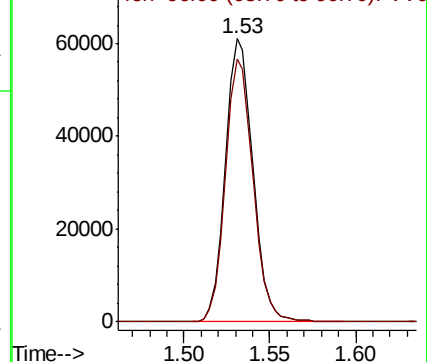
94 100

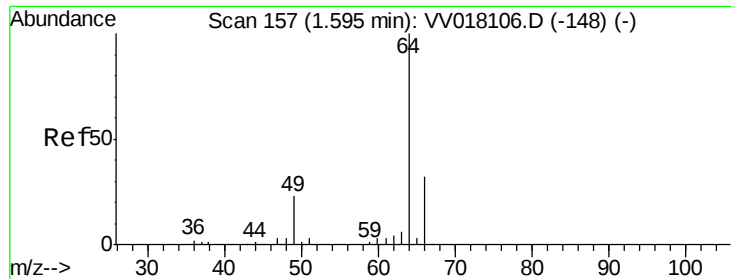
96 92.8 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

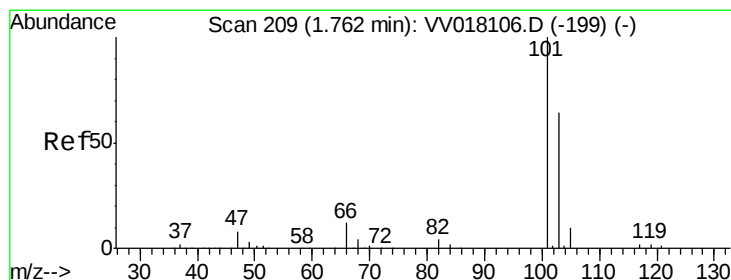
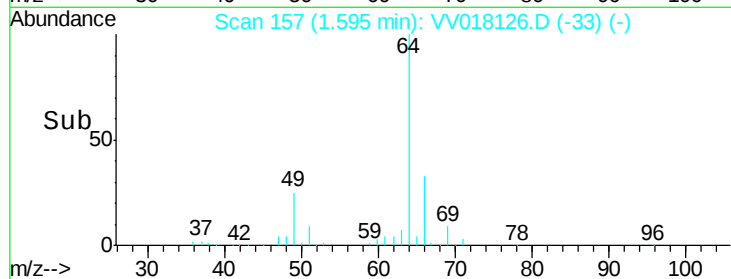
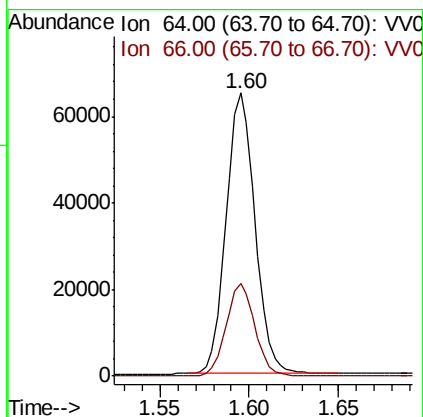
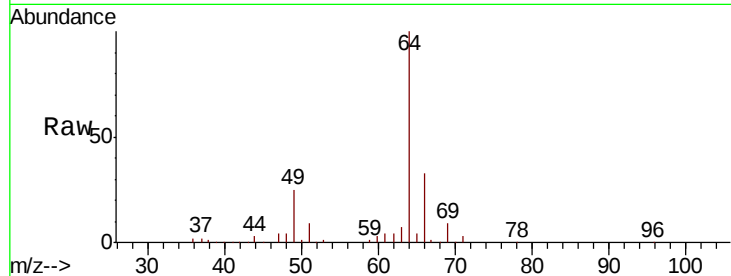




#8
Chloroethane
Concen: 47.856 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV018126.D
Acq: 27 Aug 2020 19:08

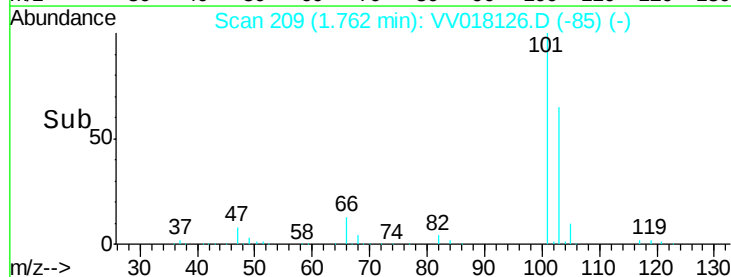
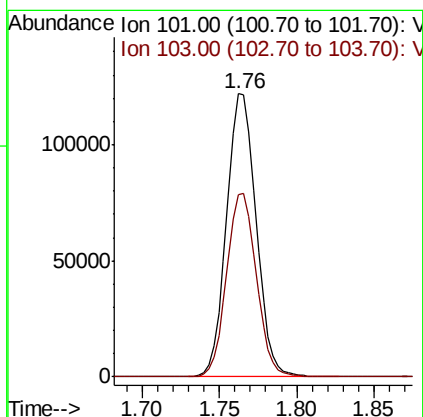
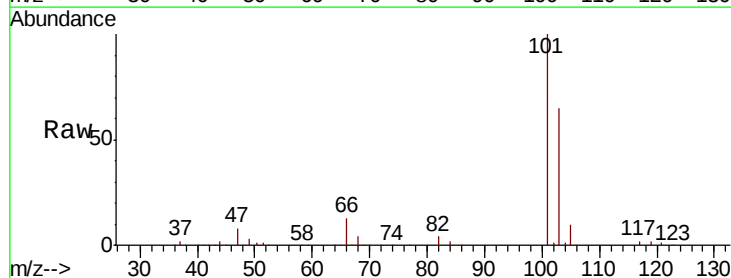
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

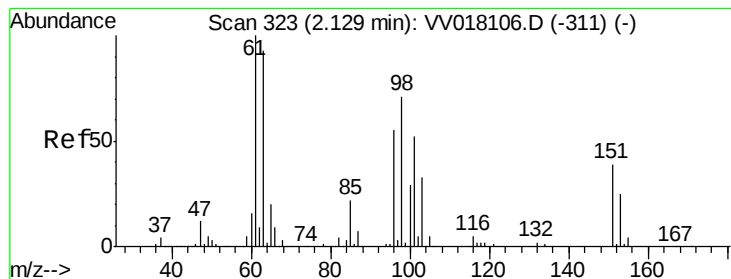
Tot Ion: 64 Resp: 72505
Ion Ratio Lower Upper
64 100
66 32.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 47.542 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV018126.D
Acq: 27 Aug 2020 19:08

Tgt Ion:101 Resp: 161204
Ion Ratio Lower Upper
101 100
103 65.2 51.5 77.3





#10

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

Concen: 49.352 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

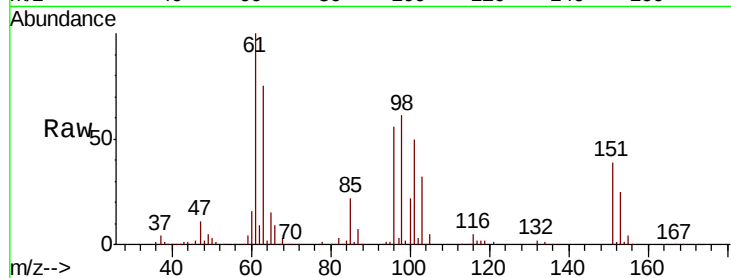
Tot Ion:101 Resp: 93437

Ion Ratio Lower Upper

101 100

85 43.2 34.9 52.3

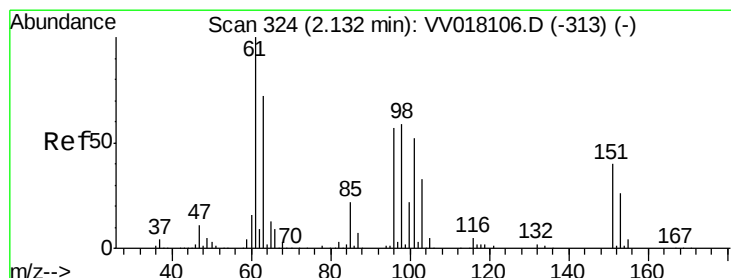
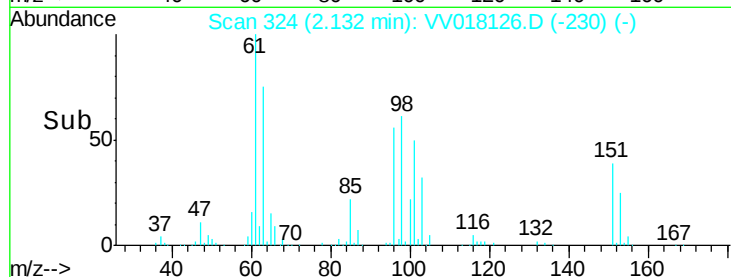
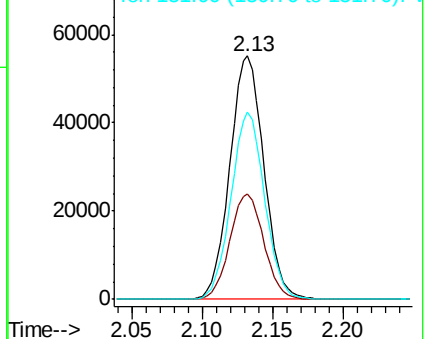
151 75.9 59.1 88.7



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: 49.516 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

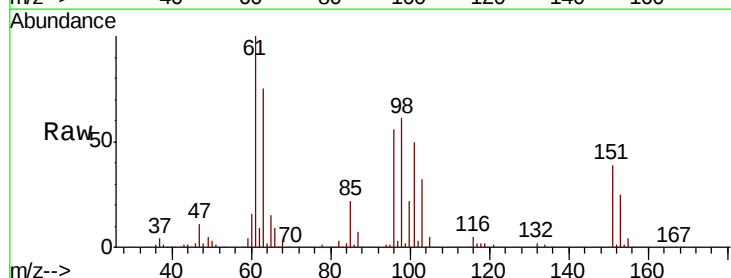
Tgt Ion: 96 Resp: 88732

Ion Ratio Lower Upper

96 100

61 177.4 127.1 236.0

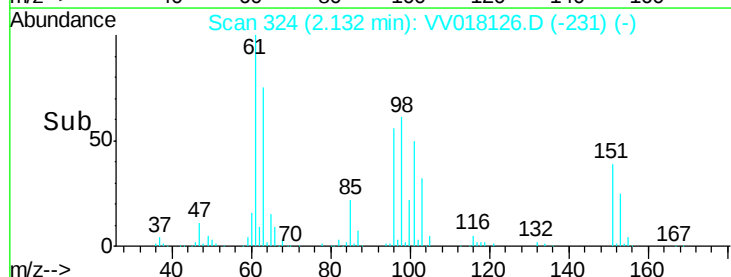
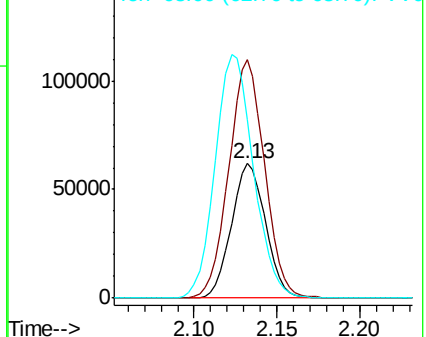
63 133.2 95.2 176.8

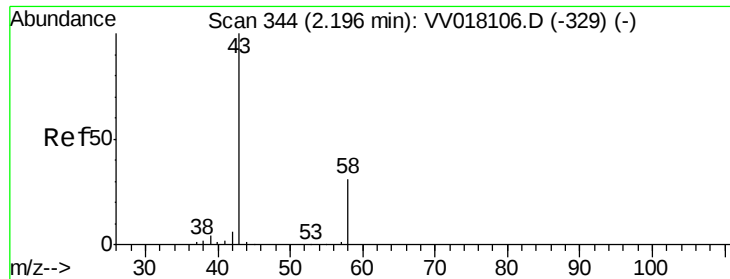


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 75.538 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

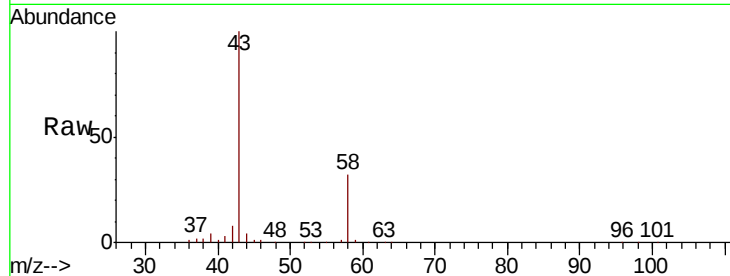
VSTD05088

Tot Ion: 43 Resp: 104158

Ion Ratio Lower Upper

43 100

58 33.2 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.19

50000

40000

30000

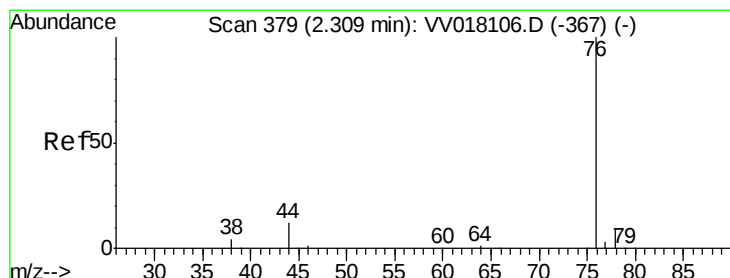
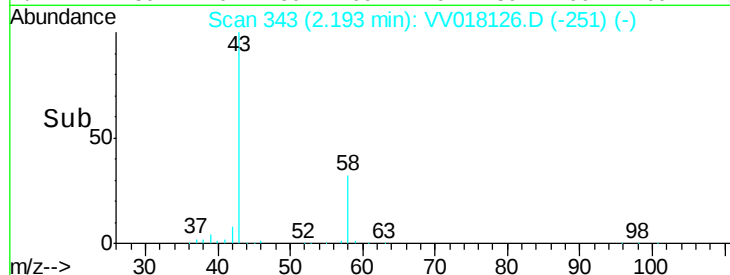
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 46.638 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018126.D

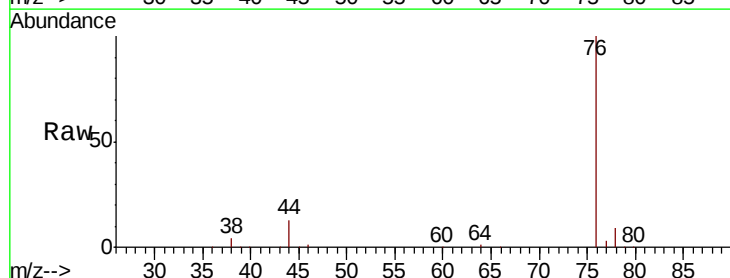
Acq: 27 Aug 2020 19:08

Tgt Ion: 76 Resp: 230024

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

150000

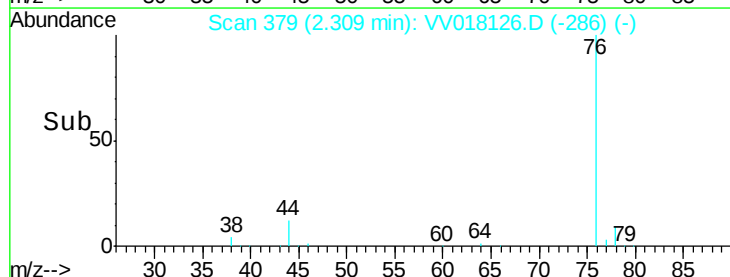
100000

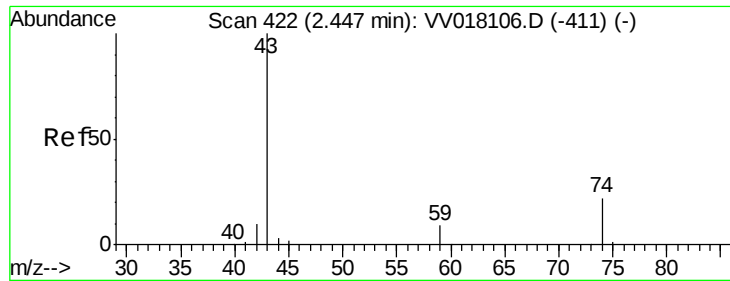
50000

0

Time-->

2.25 2.30 2.35 2.40 2.45

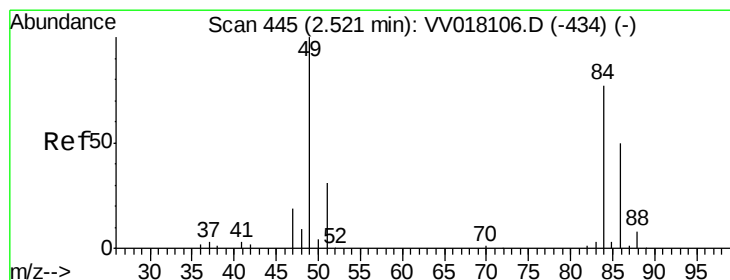
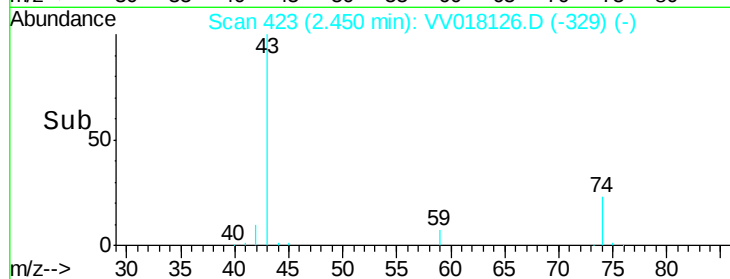
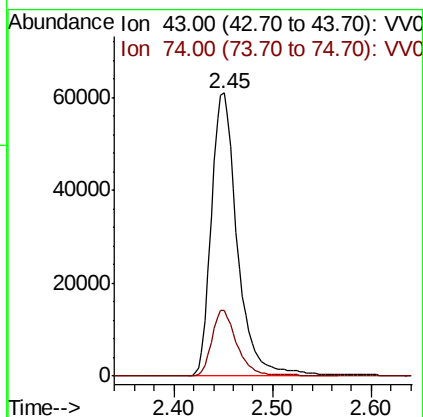
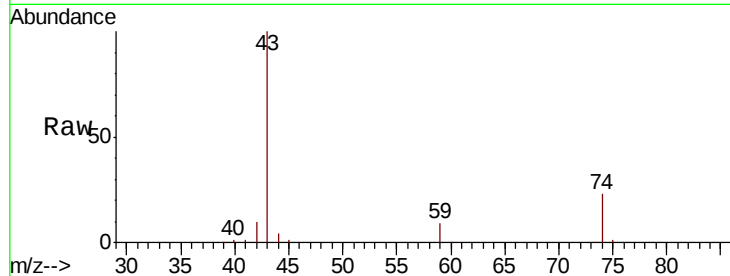




#15
Methyl Acetate
Concen: 50.011 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV018126.D
Acq: 27 Aug 2020 19:08

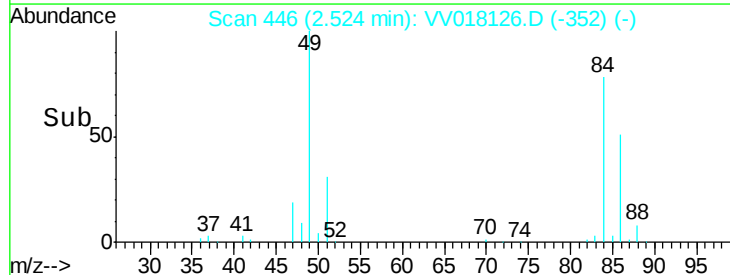
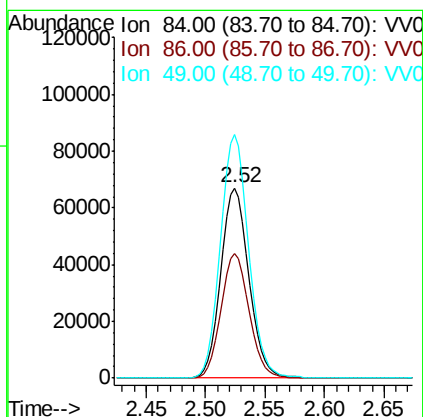
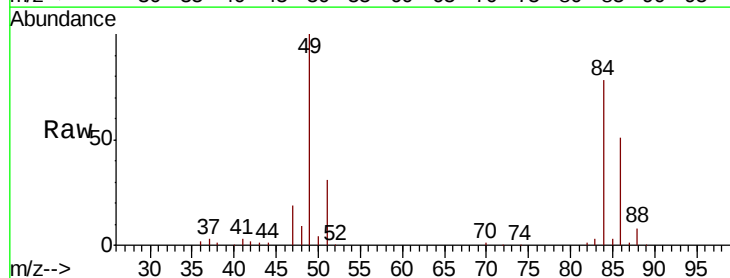
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

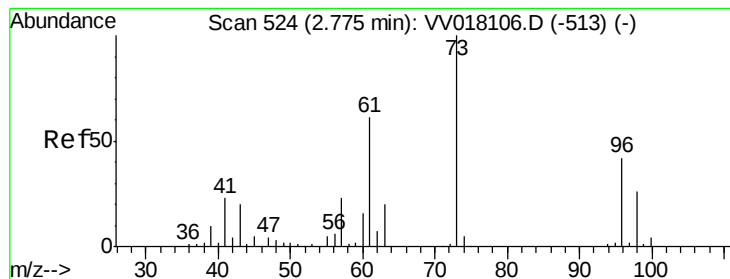
Tot Ion: 43 Resp: 111286
Ion Ratio Lower Upper
43 100
74 22.4 18.4 27.6



#16
Methylene chloride
Concen: 48.234 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018126.D
Acq: 27 Aug 2020 19:08

Tgt Ion: 84 Resp: 110118
Ion Ratio Lower Upper
84 100
86 65.6 46.3 85.9
49 128.0 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 50.696 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

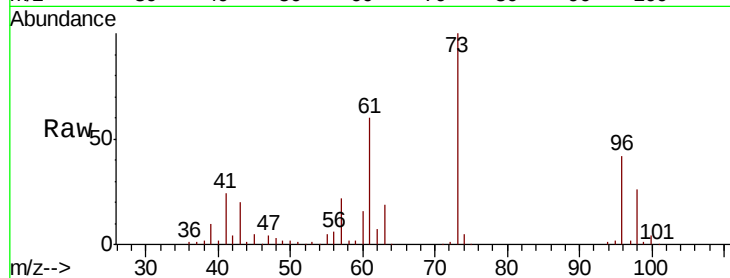
Tot Ion: 96 Resp: 93385

Ion Ratio Lower Upper

96 100

61 143.0 102.4 190.2

98 63.0 44.4 82.5

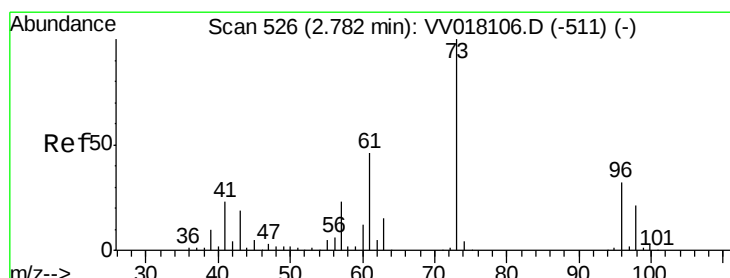
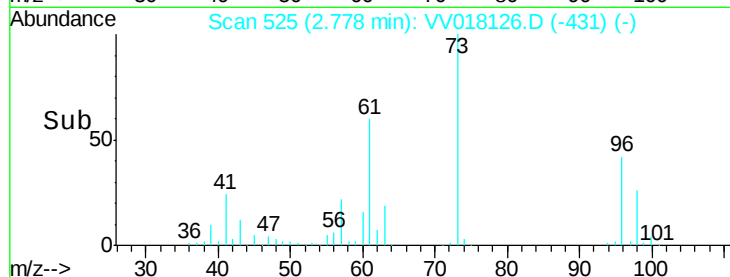
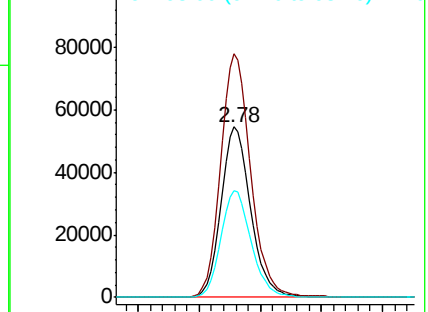


Abundance

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: 52.628 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

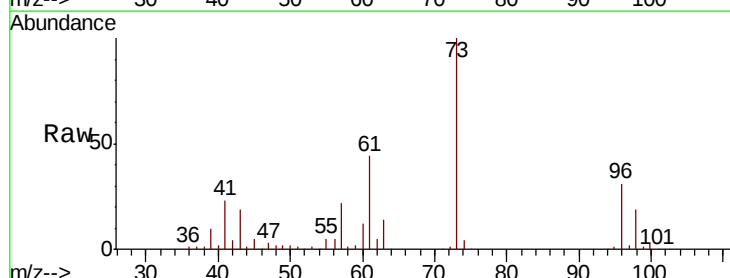
Tgt Ion: 73 Resp: 320609

Ion Ratio Lower Upper

73 100

43 19.2 15.9 23.9

57 22.2 18.1 27.1

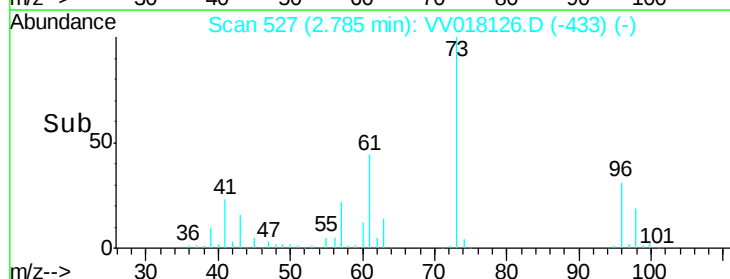
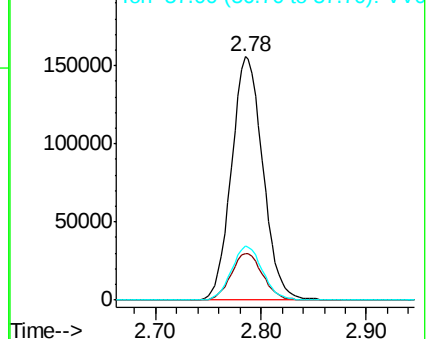


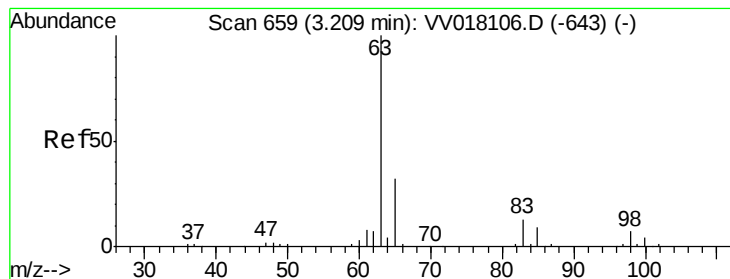
Abundance

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: 52.005 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

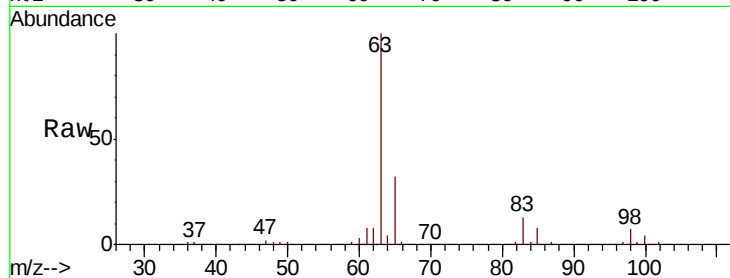
Tot Ion: 63 Resp: 192624

Ion Ratio Lower Upper

63 100

65 32.1 22.5 41.7

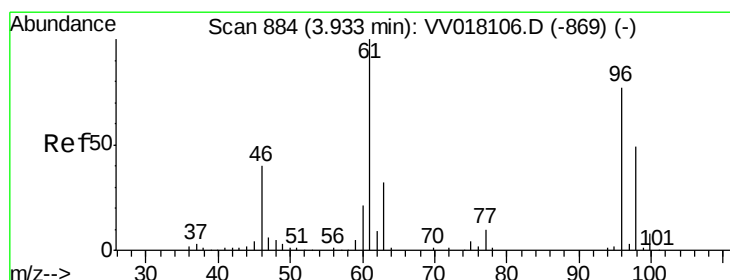
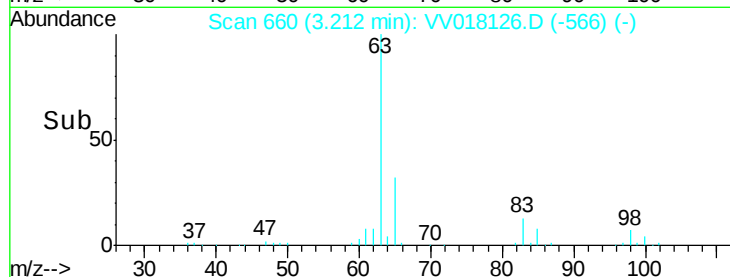
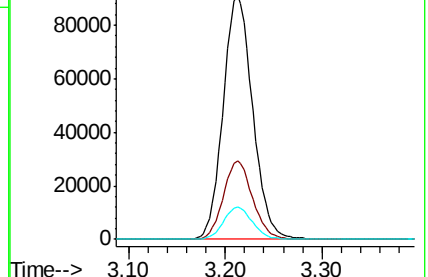
83 13.3 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 52.669 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

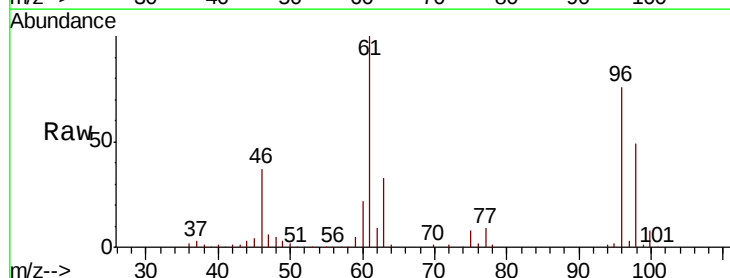
Tgt Ion: 96 Resp: 106616

Ion Ratio Lower Upper

96 100

61 132.2 95.0 176.4

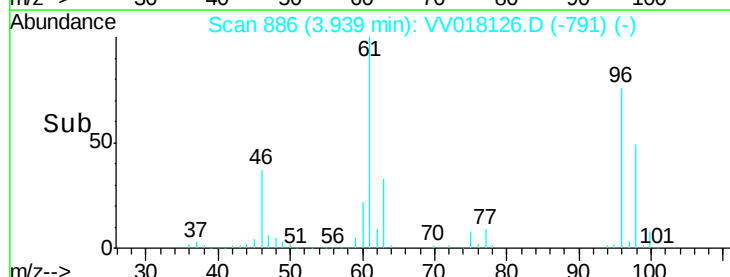
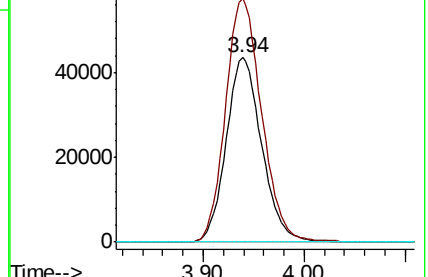
68 0.0 0.0 0.0

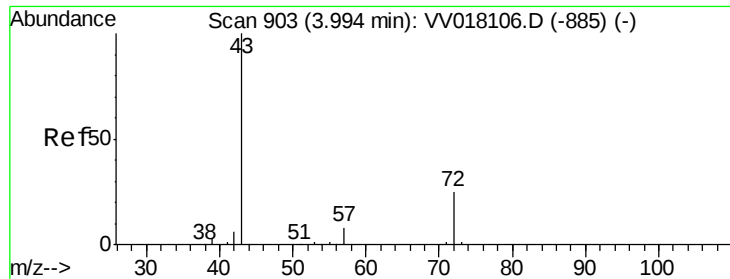


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 97.313 ug/L

RT: 3.99 min Scan# 903

Delta R.T. -0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

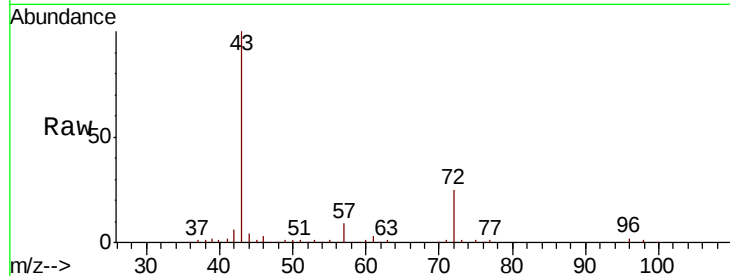
VSTD05088

Tot Ion: 43 Resp: 150533

Ion Ratio Lower Upper

43 100

72 24.5 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018126.D (-810) (-)

Ion 72.00 (71.70 to 72.70): VV018126.D (-810) (-)

60000

50000

40000

30000

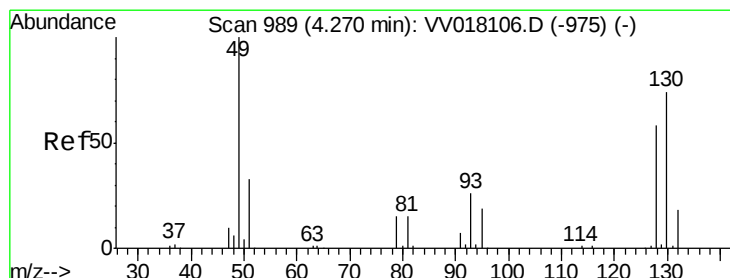
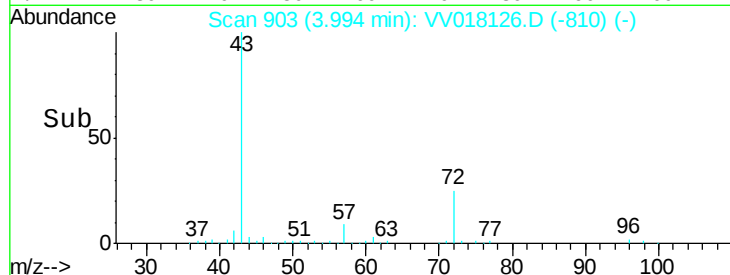
20000

10000

0

3.99

Time-->



#23

Bromochloromethane

Concen: 53.355 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Tgt Ion: 128 Resp: 56421

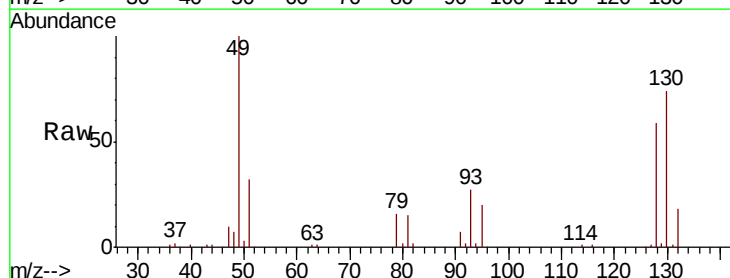
Ion Ratio Lower Upper

128 100

49 170.7 125.6 233.3

130 125.9 89.9 167.0

51 54.4 45.8 68.6



Abundance Ion 128.00 (127.70 to 128.70): VV018126.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV018126.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV018126.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV018126.D (-896) (-)

60000

50000

40000

30000

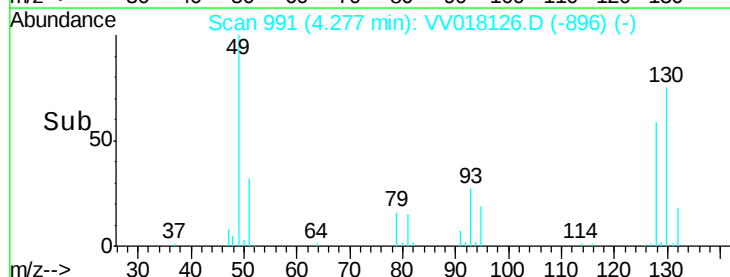
20000

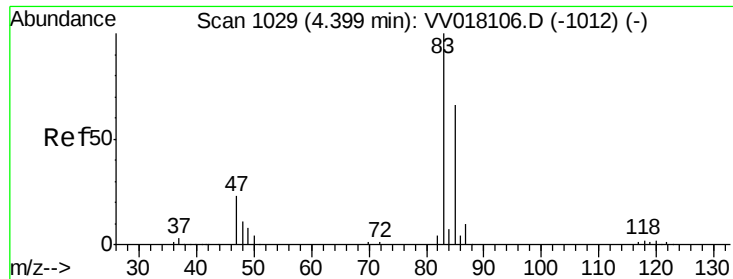
10000

0

4.28

Time-->

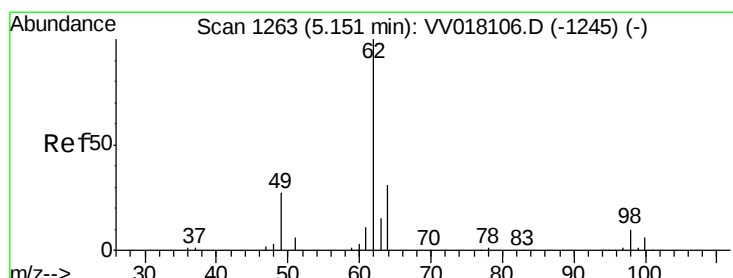
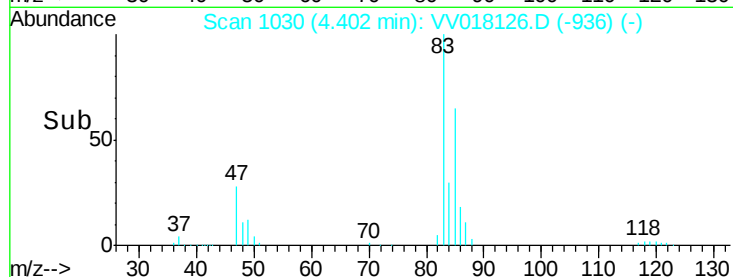
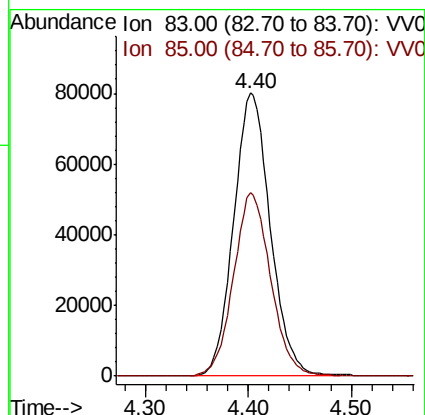
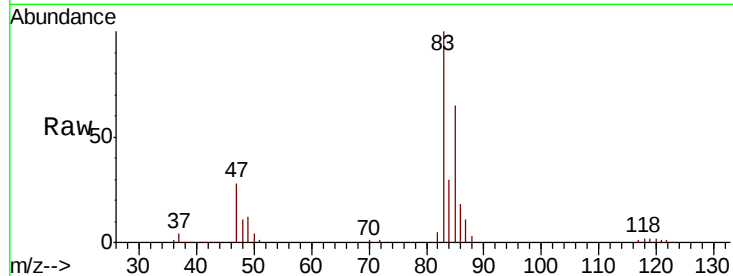




#25
Chloroform
Concen: 52.512 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018126.D
Acq: 27 Aug 2020 19:08

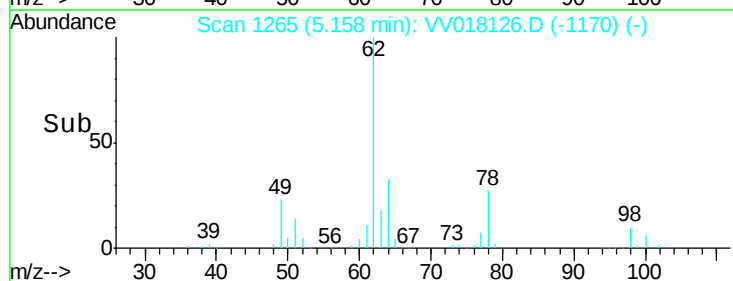
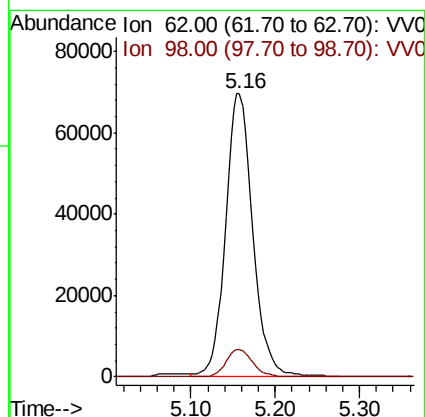
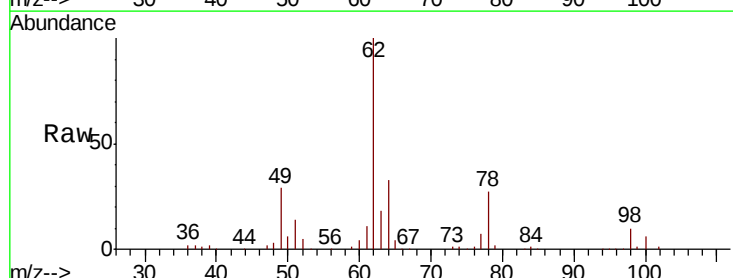
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

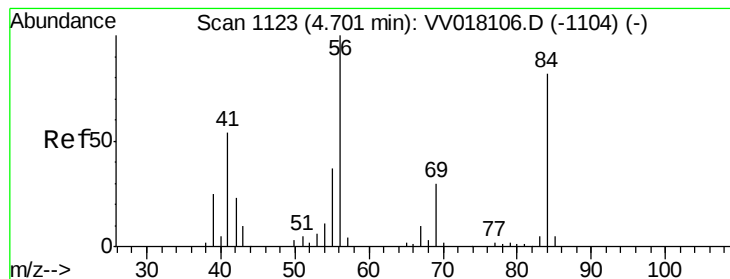
Tot Ion: 83 Resp: 198383
Ion Ratio Lower Upper
83 100
85 64.9 45.5 84.5



#27
1,2-Dichloroethane
Concen: 51.740 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VV018126.D
Acq: 27 Aug 2020 19:08

Tgt Ion: 62 Resp: 155583
Ion Ratio Lower Upper
62 100
98 9.8 7.1 10.7





#29

Cyclohexane

Concen: 46.888 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

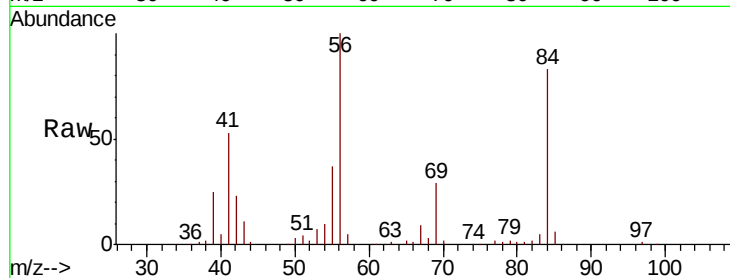
Tot Ion: 56 Resp: 150962

Ion Ratio Lower Upper

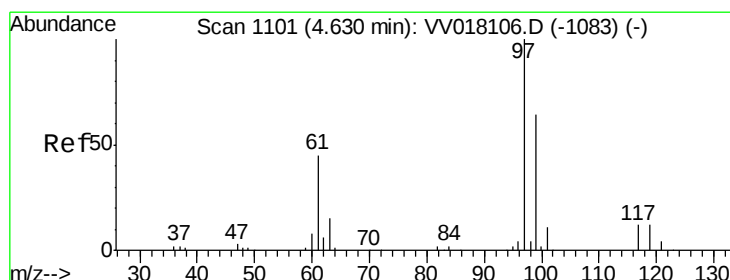
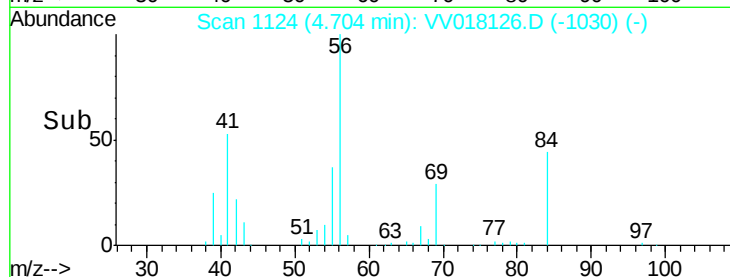
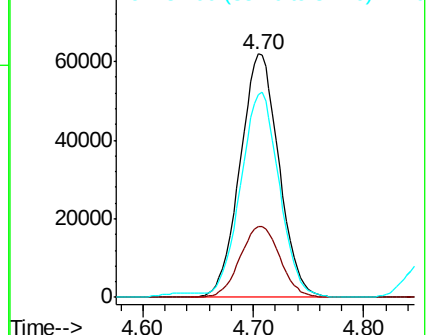
56 100

69 30.0 23.8 35.8

84 84.2 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 51.030 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

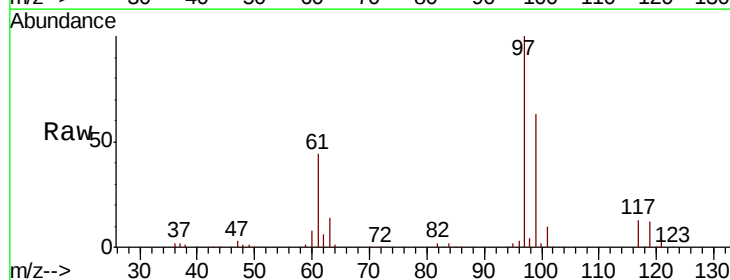
Tgt Ion: 97 Resp: 166816

Ion Ratio Lower Upper

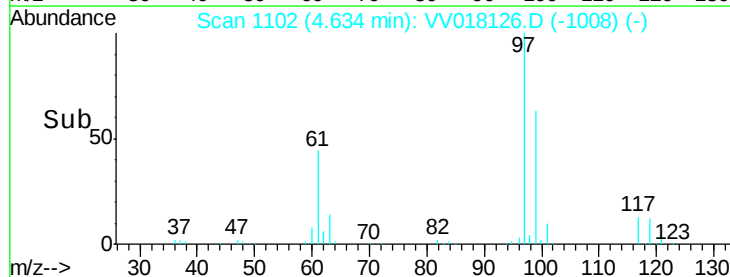
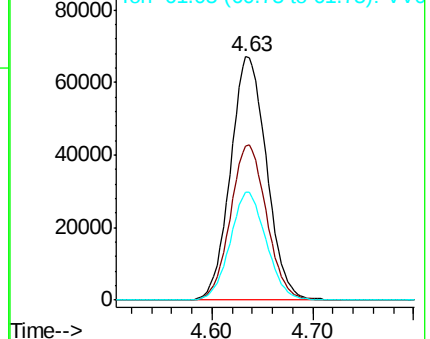
97 100

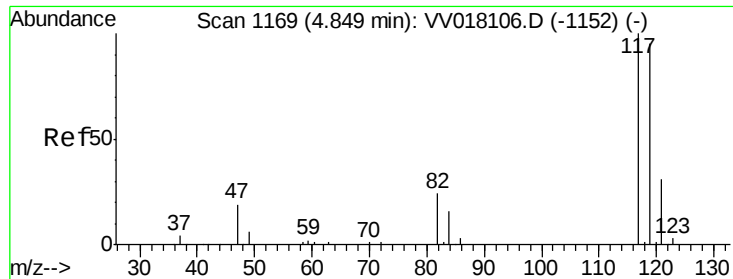
99 63.8 50.6 76.0

61 44.2 37.0 55.6



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

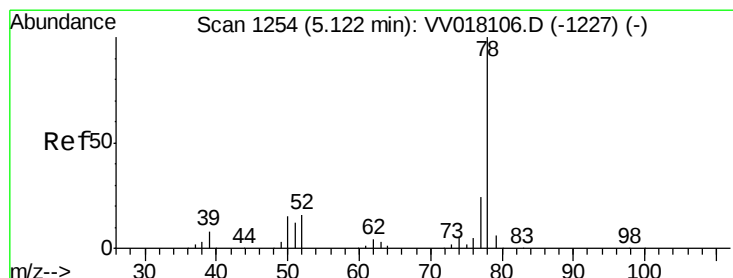
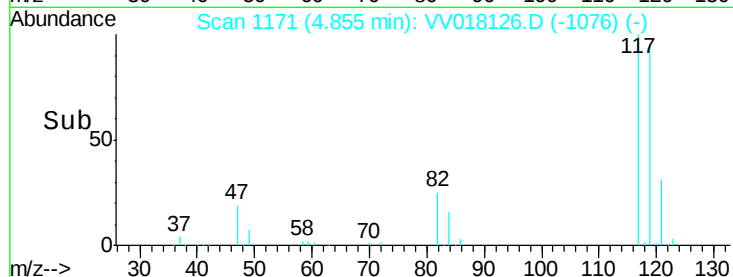
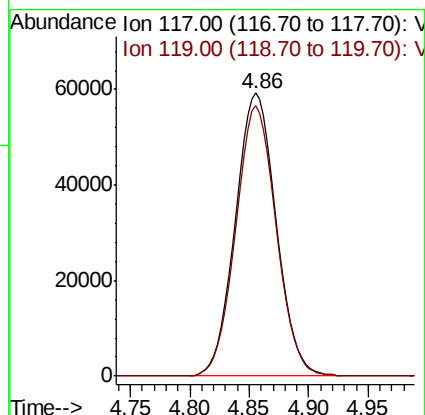
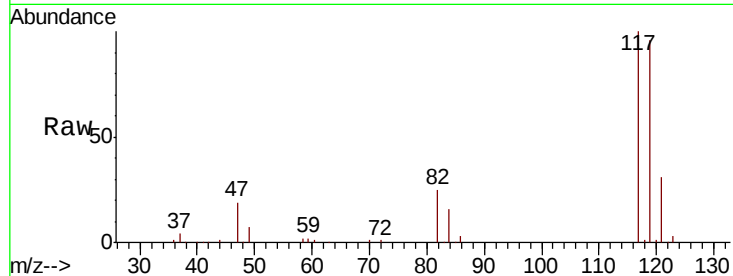




#31
Carbon tetrachloride
Concen: 51.751 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VV018126.D
Acq: 27 Aug 2020 19:08

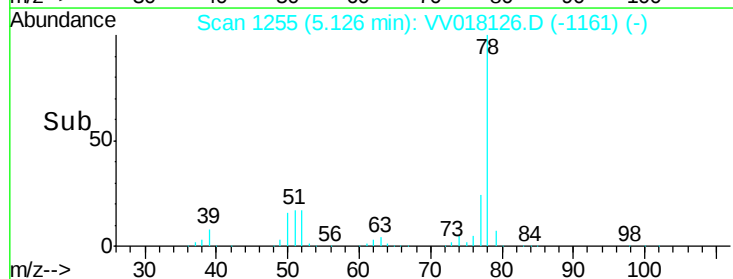
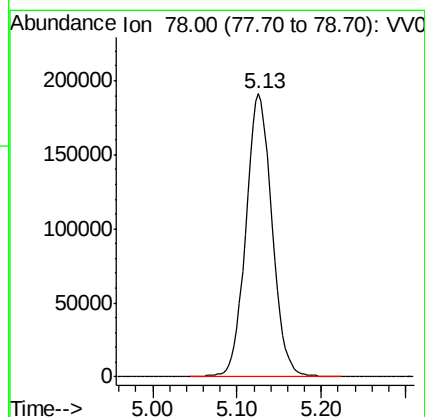
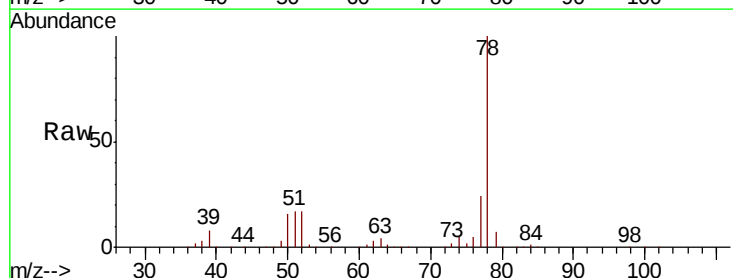
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

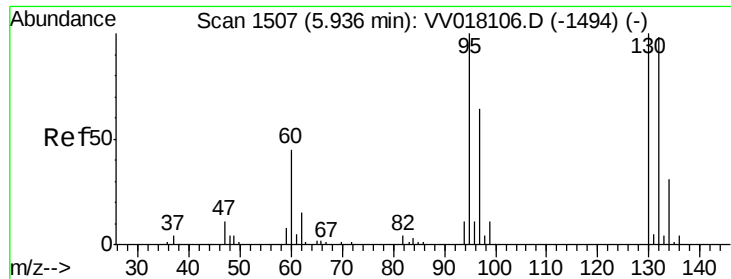
Tot Ion:117 Resp: 140833
Ion Ratio Lower Upper
117 100
119 94.8 77.0 115.6



#33
Benzene
Concen: 50.020 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV018126.D
Acq: 27 Aug 2020 19:08

Tgt Ion: 78 Resp: 412821

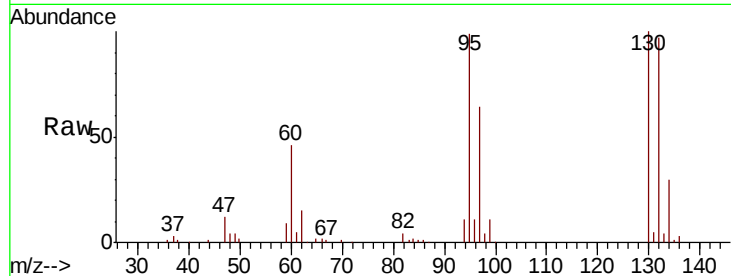




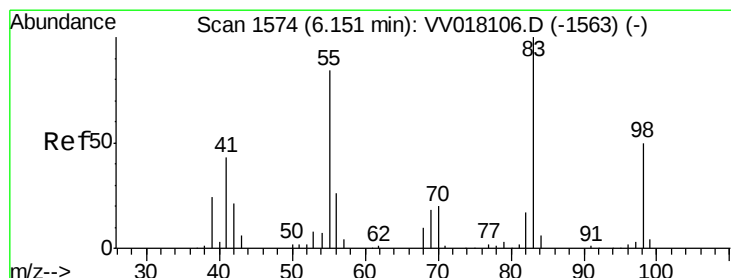
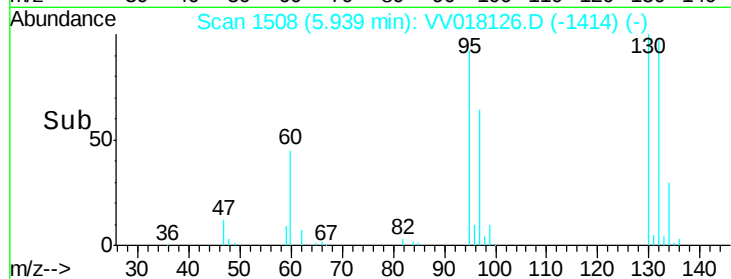
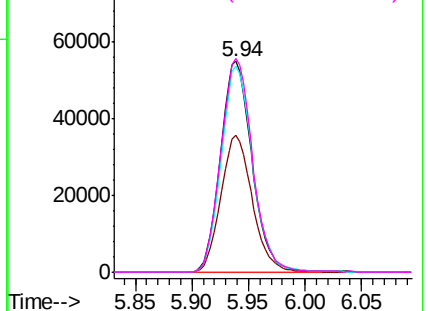
#34
 Trichloroethene
 Concen: 48.827 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV018126.D
 Acq: 27 Aug 2020 19:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Tot Ion: 95 Resp: 106518
 Ion Ratio Lower Upper
 95 100
 97 64.7 46.0 85.4
 132 97.9 65.8 122.2
 130 101.2 69.2 128.6

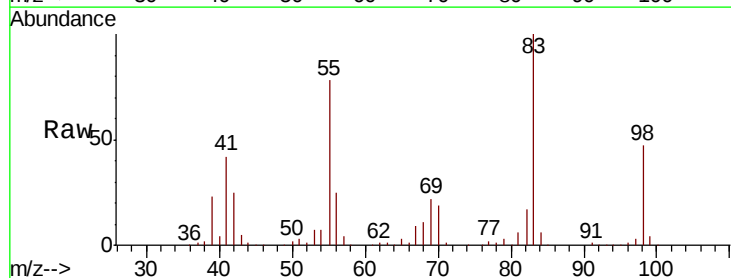


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

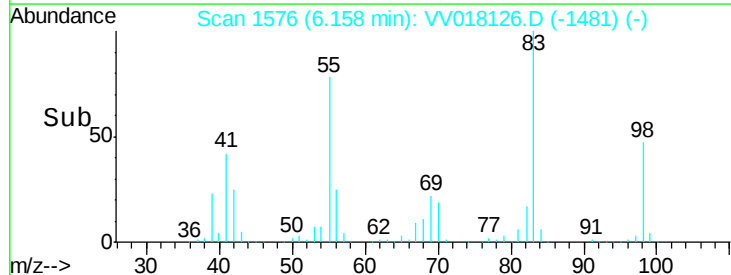
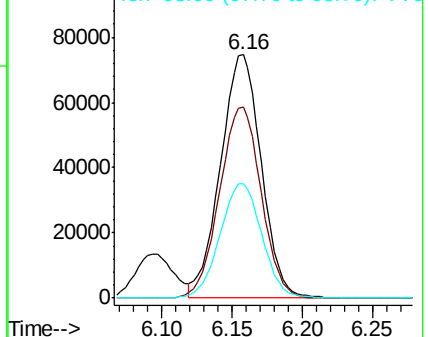


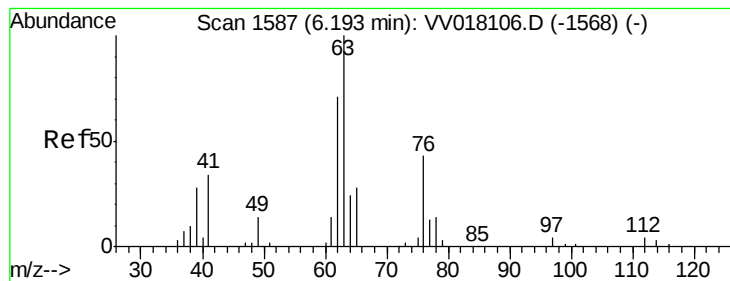
#35
 Methylcyclohexane
 Concen: 46.302 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VV018126.D
 Acq: 27 Aug 2020 19:08

Tgt Ion: 83 Resp: 150200
 Ion Ratio Lower Upper
 83 100
 55 80.2 64.9 97.3
 98 48.5 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: 50.597 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

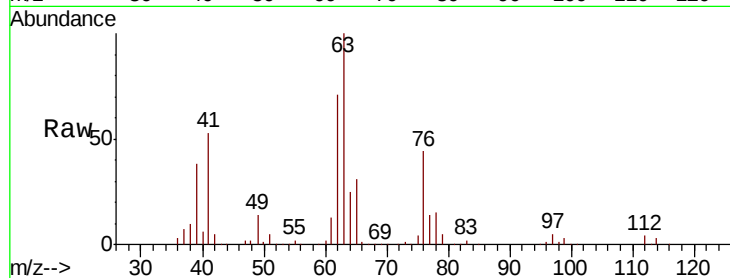
VSTD05088

Tot Ion: 63 Resp: 113881

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV018106.D (-1568) (-)

Ion 112.00 (111.70 to 112.70): VV018106.D (-1568) (-)

60000

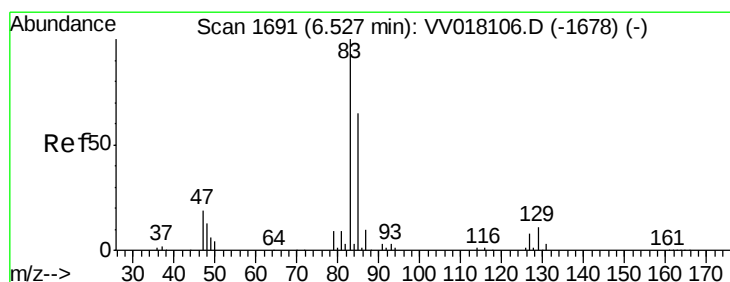
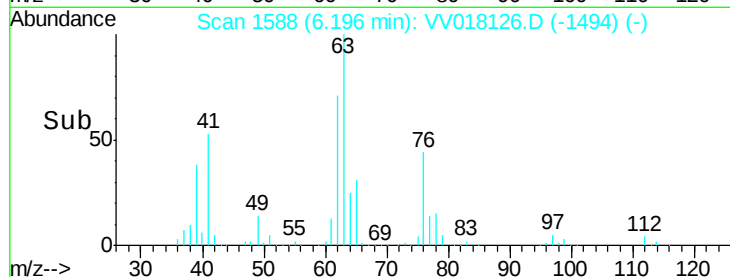
40000

20000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 52.290 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

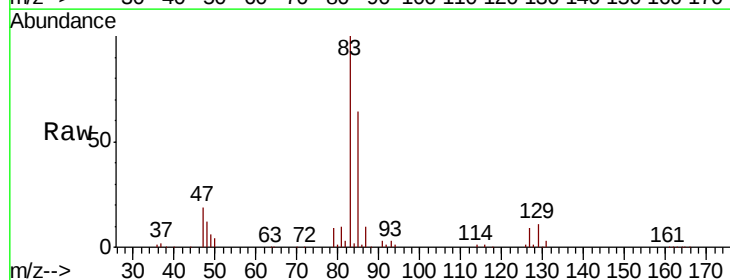
Tgt Ion: 83 Resp: 146184

Ion Ratio Lower Upper

83 100

85 64.4 44.3 82.3

127 8.7 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VV018106.D (-1678) (-)

Ion 85.00 (84.70 to 85.70): VV018106.D (-1678) (-)

Ion 127.00 (126.70 to 127.70): VV018106.D (-1678) (-)

100000

80000

60000

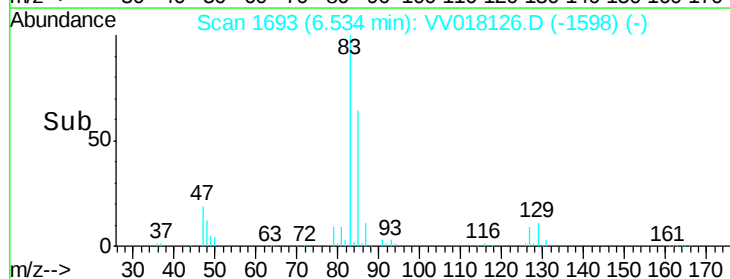
40000

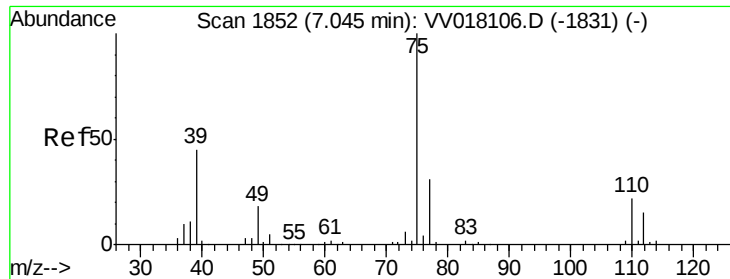
20000

0

6.45 6.50 6.55 6.60

Time-->

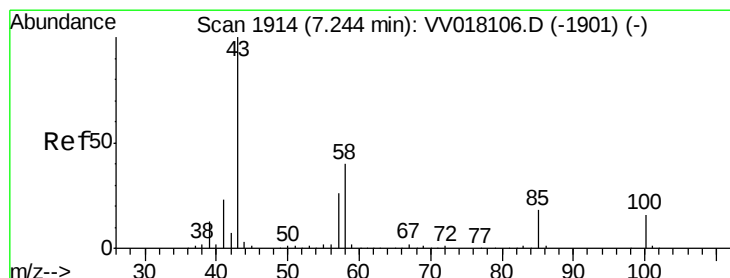
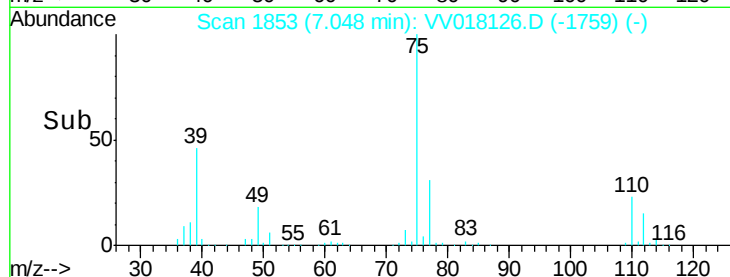
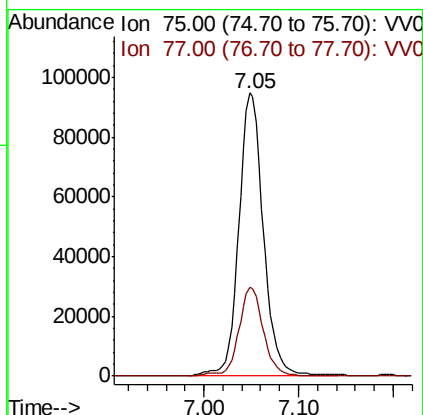
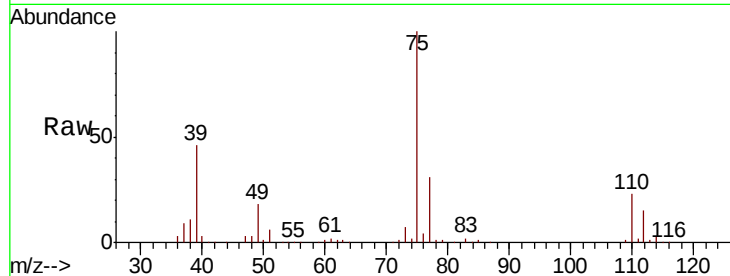




#39
 cis-1,3-Dichloropropene
 Concen: 53.645 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018126.D
 Acq: 27 Aug 2020 19:08

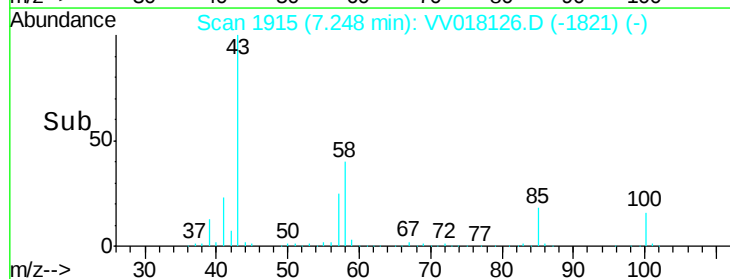
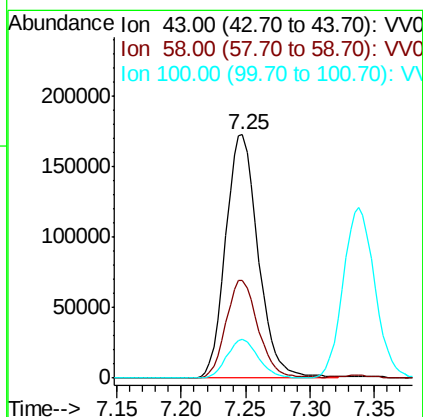
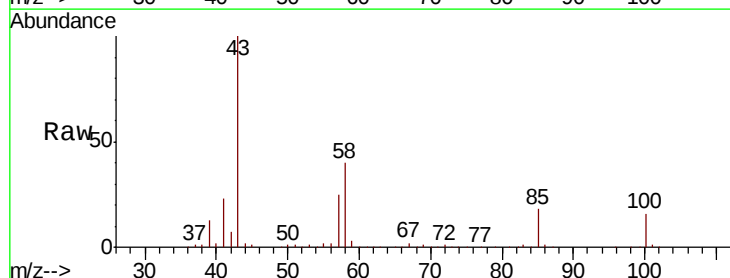
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

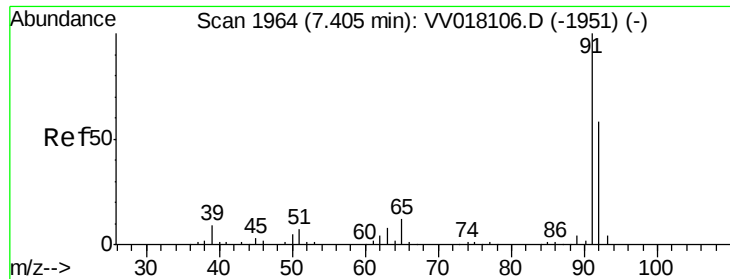
Tot Ion: 75 Resp: 171164
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 103.129 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018126.D
 Acq: 27 Aug 2020 19:08

Tgt Ion: 43 Resp: 303435
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.9 47.9
 100 15.4 12.2 18.2





#42

Toluene

Concen: 51.401 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

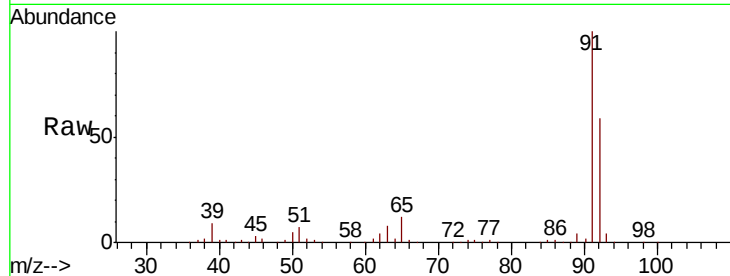
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

Tot Ion: 91 Resp: 442667

Ion Ratio Lower Upper

91 100

92 58.9 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV018106.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV018106.D (-1951) (-)

7.41

300000

250000

200000

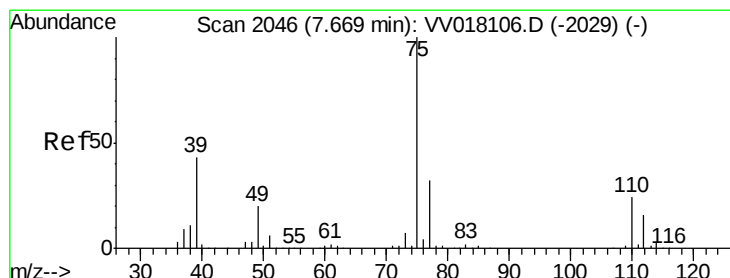
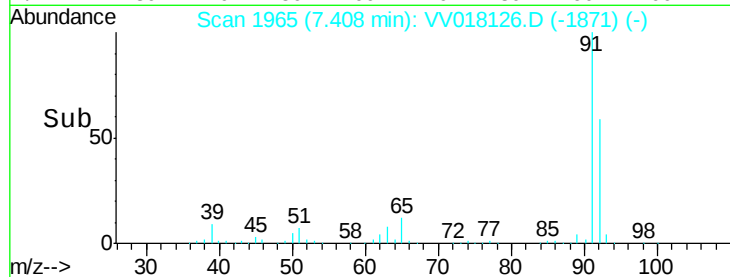
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 55.885 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018126.D

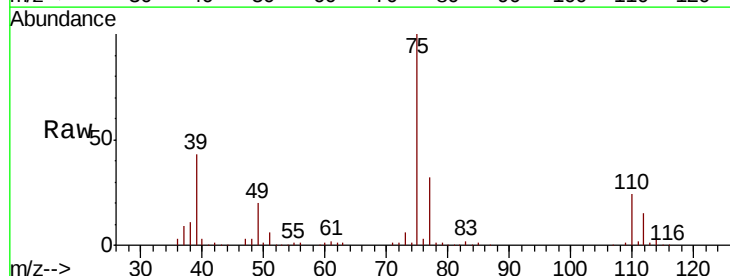
Acq: 27 Aug 2020 19:08

Tgt Ion: 75 Resp: 169183

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV018106.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV018106.D (-2029) (-)

7.67

120000

100000

80000

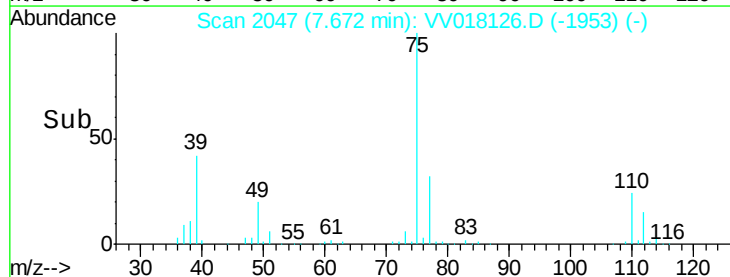
60000

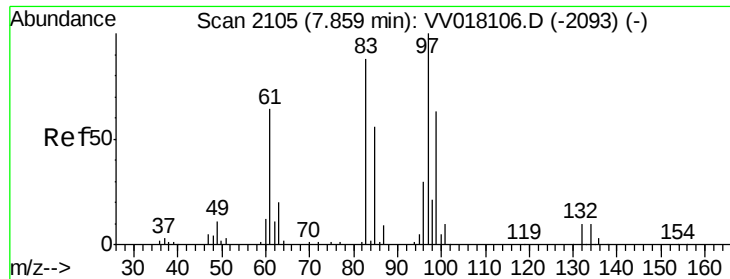
40000

20000

0

Time--> 7.60 7.70 7.80

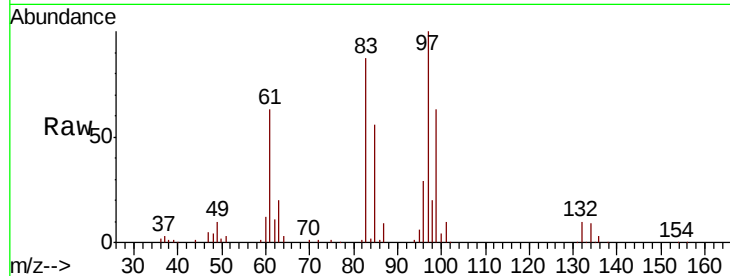




#45
 1,1,2-Trichloroethane
 Concen: 51.756 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018126.D
 Acq: 27 Aug 2020 19:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Tot Ion:	97	Resp:	107879
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.2	82.2
83	86.6	61.0	113.4
85	55.8	39.5	73.4



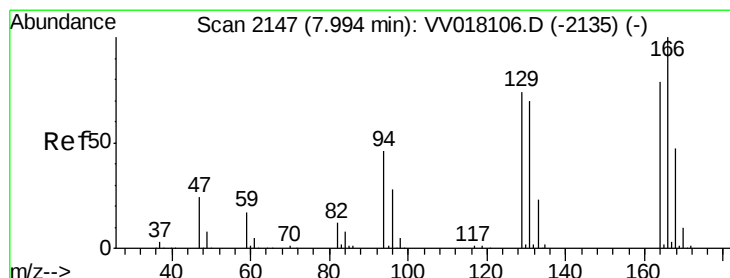
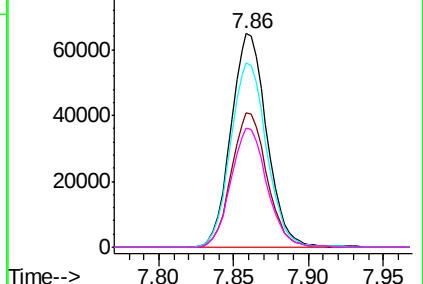
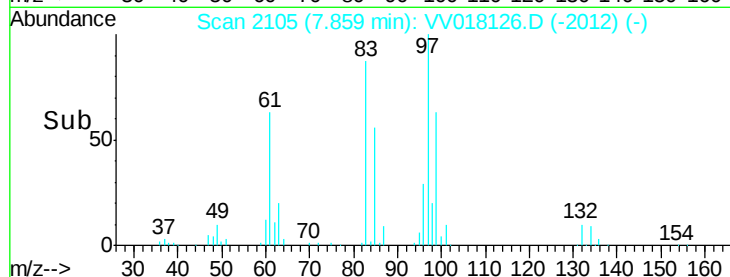
Abundance

Ion 97.00 (96.70 to 97.70): VV018126.D (-2012) (-)

Ion 99.00 (98.70 to 99.70): VV018126.D (-2012) (-)

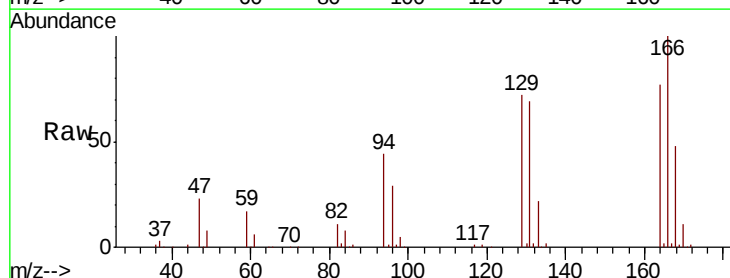
Ion 83.00 (82.70 to 83.70): VV018126.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV018126.D (-2012) (-)



#46
 Tetrachloroethene
 Concen: 51.077 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018126.D
 Acq: 27 Aug 2020 19:08

Tgt Ion:	164	Resp:	81720
Ion	Ratio	Lower	Upper
164	100		
129	93.5	64.8	120.3
131	89.3	64.5	119.9
166	129.1	88.9	165.1



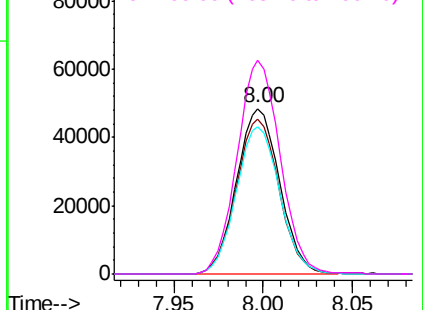
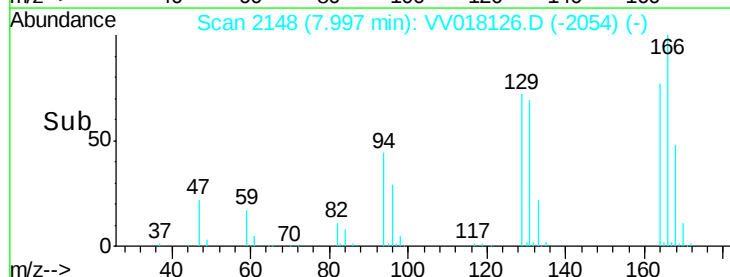
Abundance

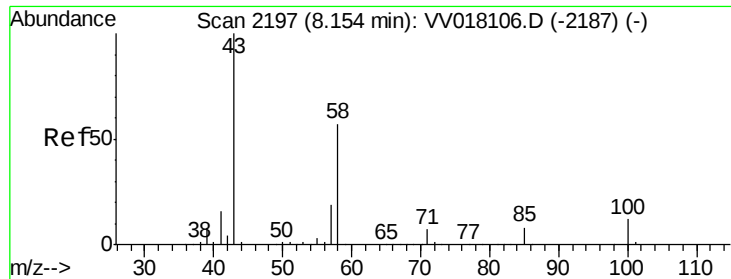
Ion 164.00 (163.70 to 164.70): VV018126.D (-2054) (-)

Ion 129.00 (128.70 to 129.70): VV018126.D (-2054) (-)

Ion 131.00 (130.70 to 131.70): VV018126.D (-2054) (-)

Ion 166.00 (165.70 to 166.70): VV018126.D (-2054) (-)

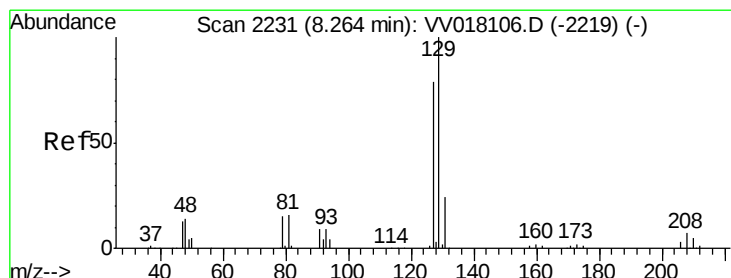
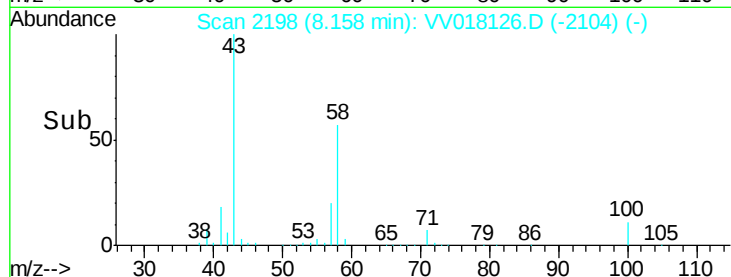
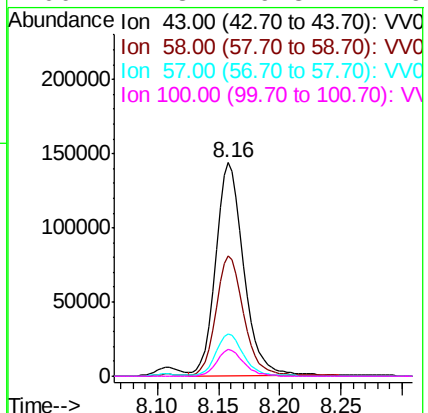
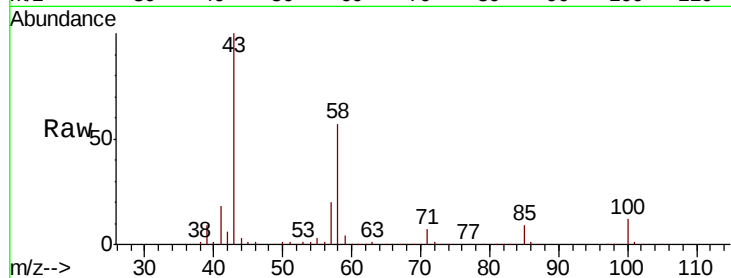




#48
2-Hexanone
Concen: 97.753 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018126.D
Acq: 27 Aug 2020 19:08

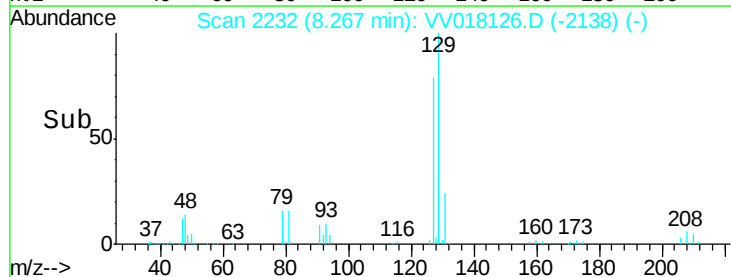
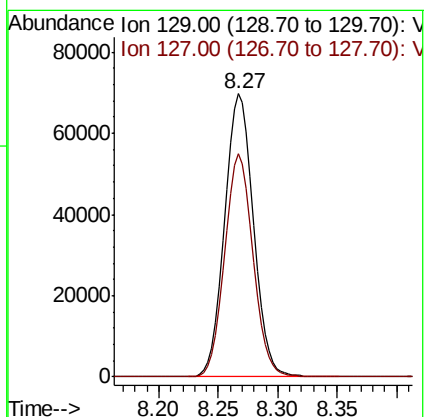
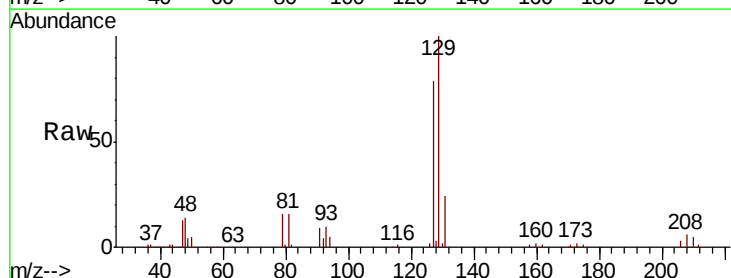
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

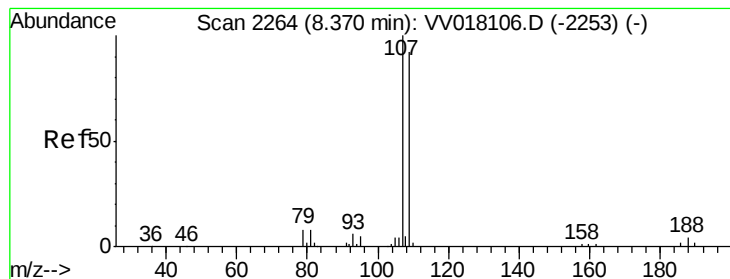
Tot Ion:	43	Resp:	231931
Ion	Ratio	Lower	Upper
43	100		
58	55.9	44.4	66.6
57	19.7	15.2	22.8
100	12.3	9.8	14.6



#49
Dibromochloromethane
Concen: 57.670 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018126.D
Acq: 27 Aug 2020 19:08

Tgt Ion:	129	Resp:	117329
Ion	Ratio	Lower	Upper
129	100		
127	78.7	54.9	101.9





#50

1,2-Dibromoethane

Concen: 51.629 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

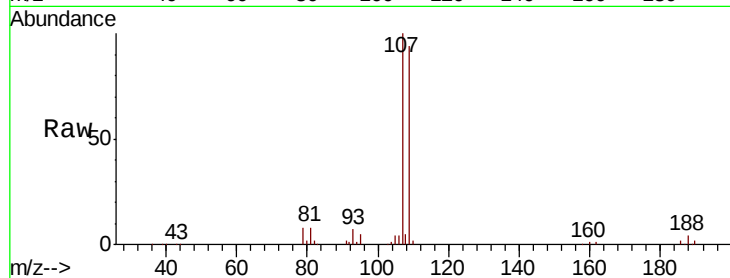
Tot Ion:107 Resp: 111339

Ion Ratio Lower Upper

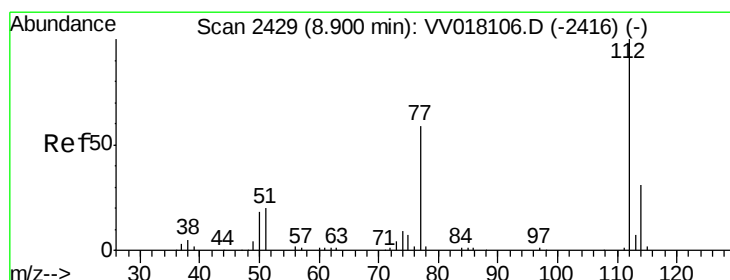
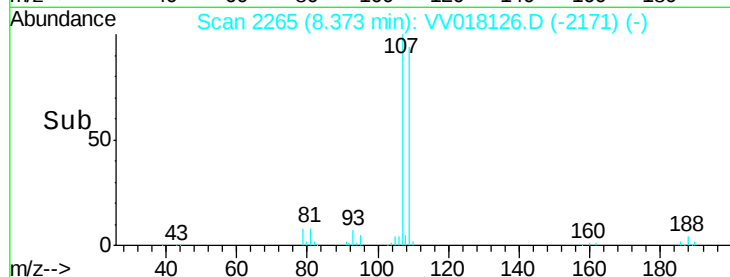
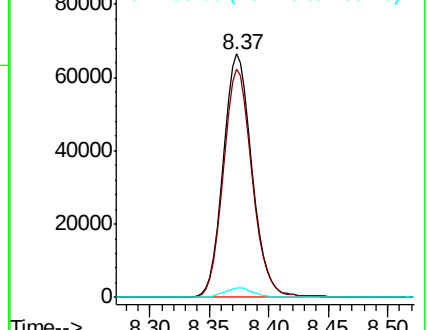
107 100

109 93.8 67.5 125.4

188 3.9 3.4 5.0



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: 51.894 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

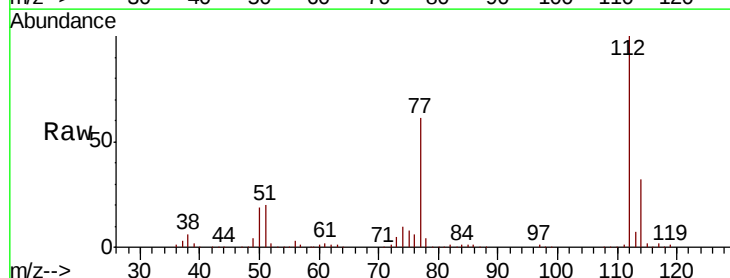
Tgt Ion:112 Resp: 287433

Ion Ratio Lower Upper

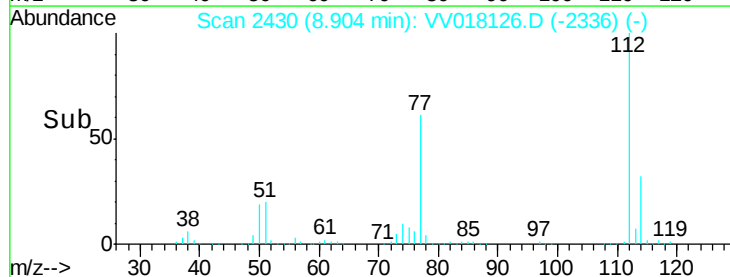
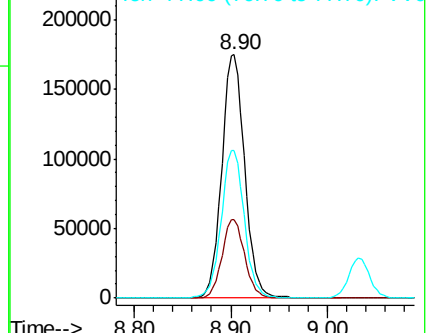
112 100

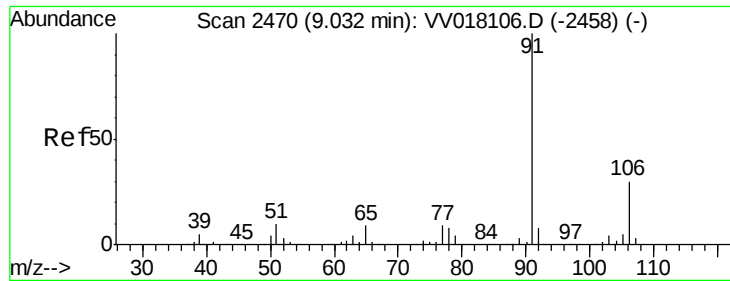
114 32.3 22.7 42.3

77 60.6 49.4 74.2



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: 51.675 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

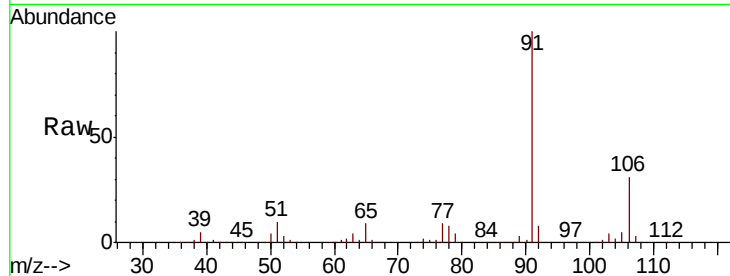
VSTD05088

Tot Ion: 91 Resp: 485235

Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV018126.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018126.D (-2377) (-)

9.03

300000

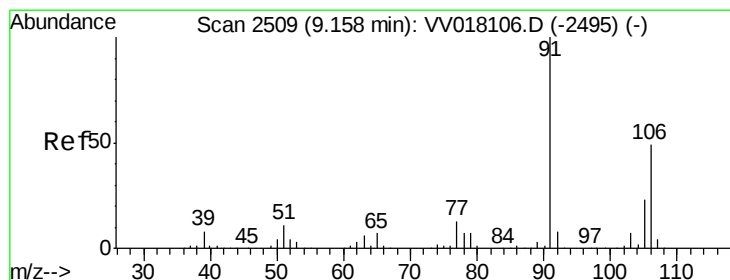
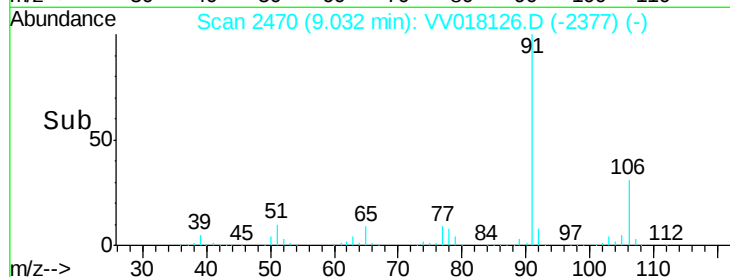
200000

100000

0

Time-->

8.95 9.00 9.05 9.10



#53

m,p-Xylene

Concen: 52.765 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018126.D

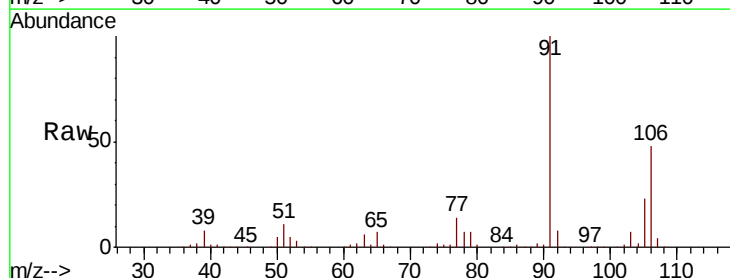
Acq: 27 Aug 2020 19:08

Tgt Ion: 106 Resp: 182235

Ion Ratio Lower Upper

106 100

91 206.9 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV018126.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018126.D (-2416) (-)

9.16

250000

200000

150000

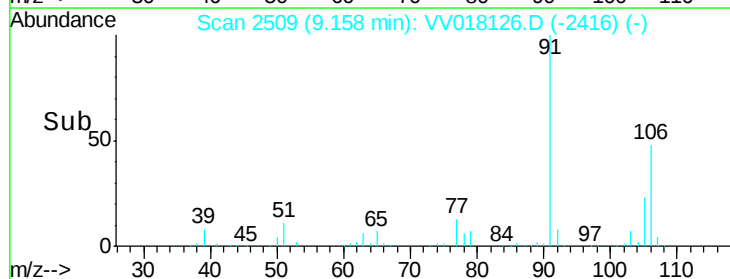
100000

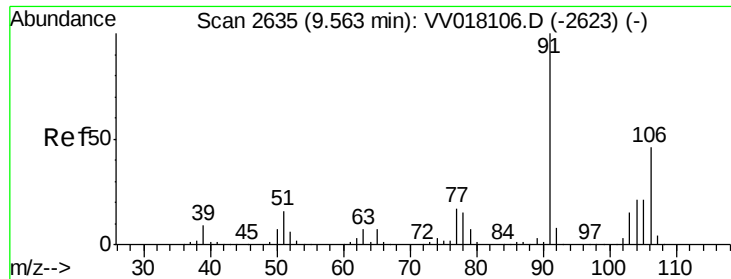
50000

0

Time-->

9.10 9.15 9.20 9.25





#54

o-xylene

Concen: 52.035 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

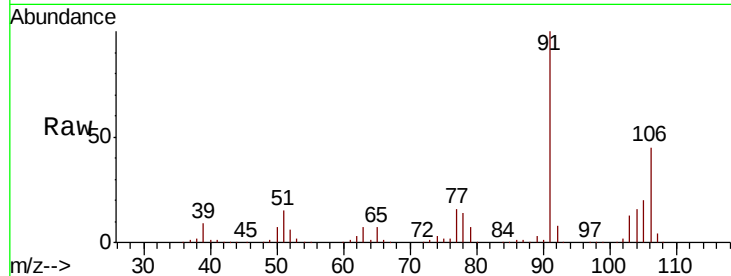
VSTD05088

Tot Ion:106 Resp: 177596

Ion Ratio Lower Upper

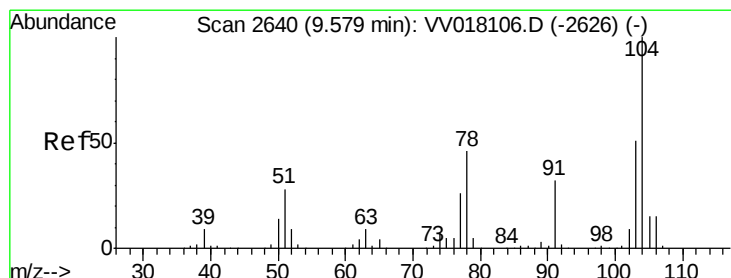
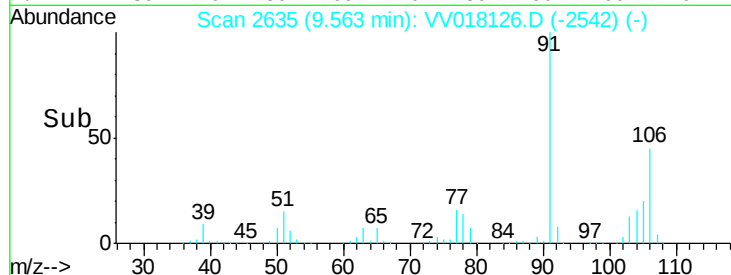
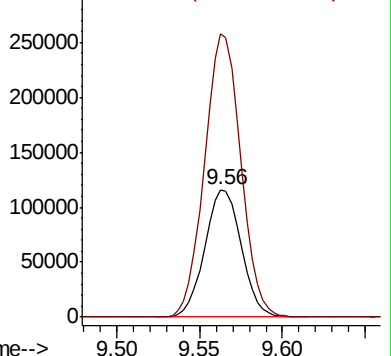
106 100

91 221.8 156.0 289.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 54.974 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV018126.D

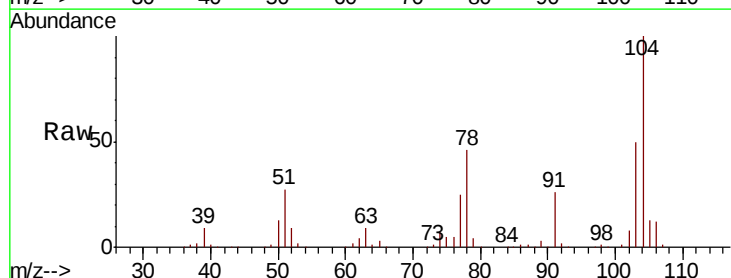
Acq: 27 Aug 2020 19:08

Tgt Ion:104 Resp: 321313

Ion Ratio Lower Upper

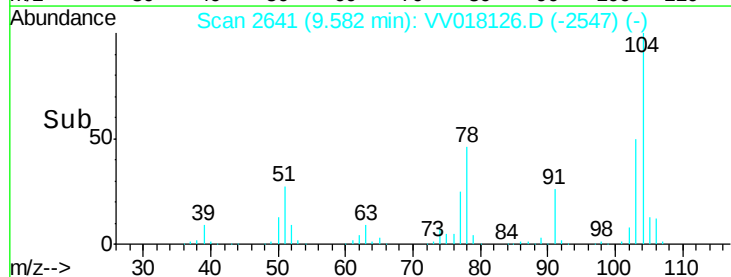
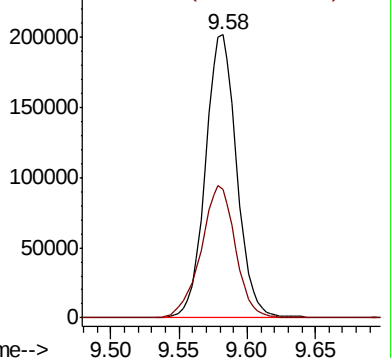
104 100

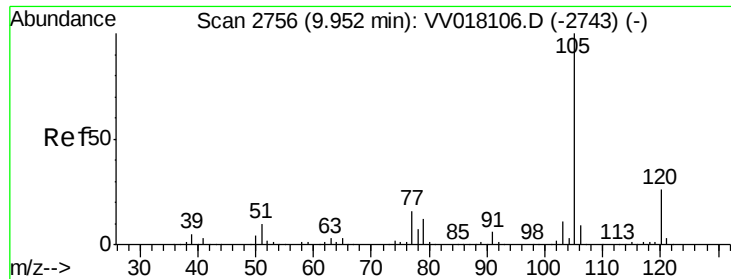
78 45.6 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.172 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

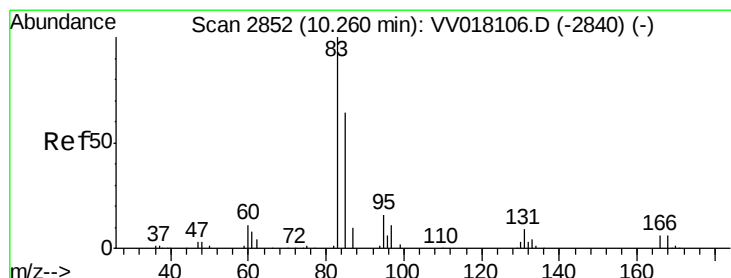
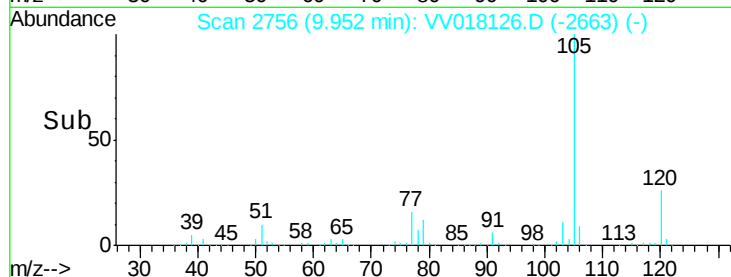
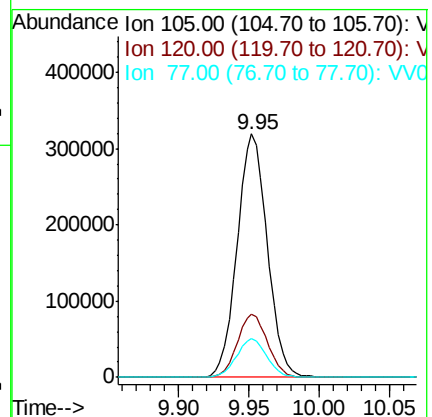
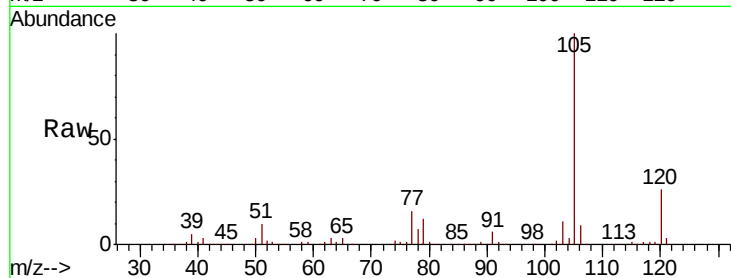
Tot Ion:105 Resp: 478751

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

77 15.9 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 51.773 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

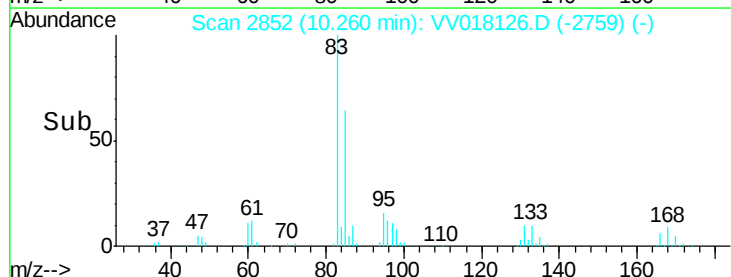
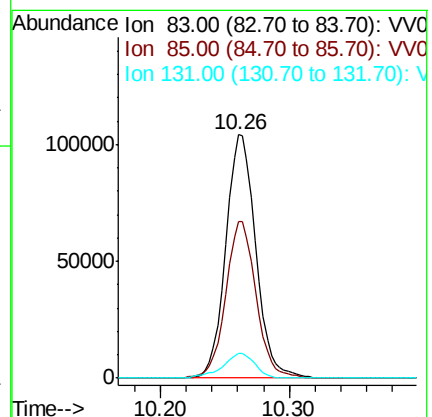
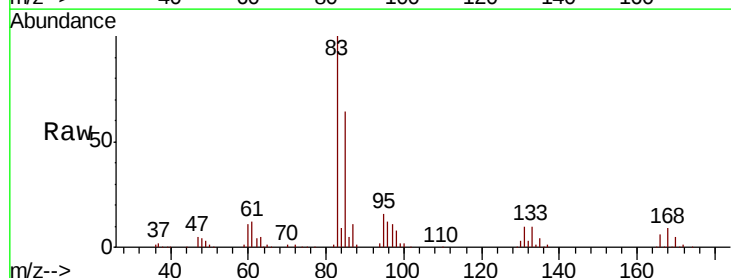
Tgt Ion: 83 Resp: 168043

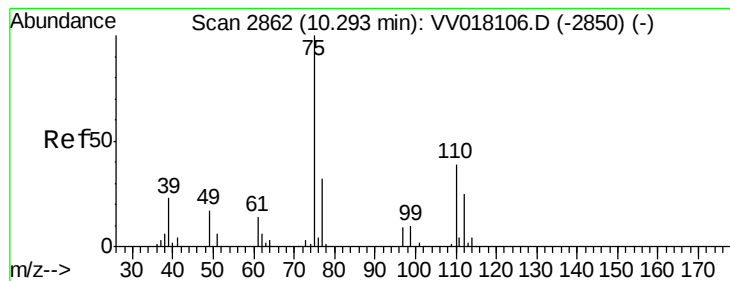
Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

131 10.0 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 50.265 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

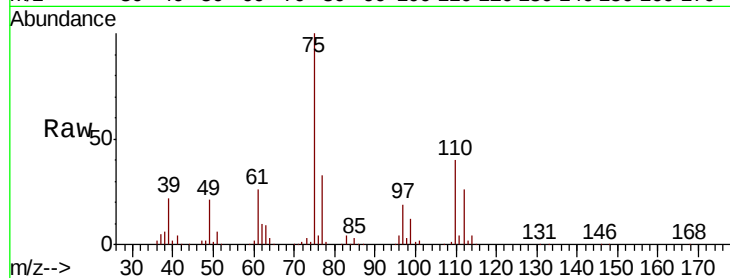
VSTD05088

Tot Ion: 75 Resp: 139720

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV018106.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018106.D (-2850) (-)

10.30

80000

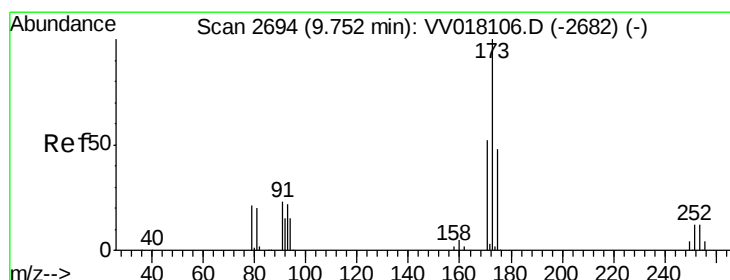
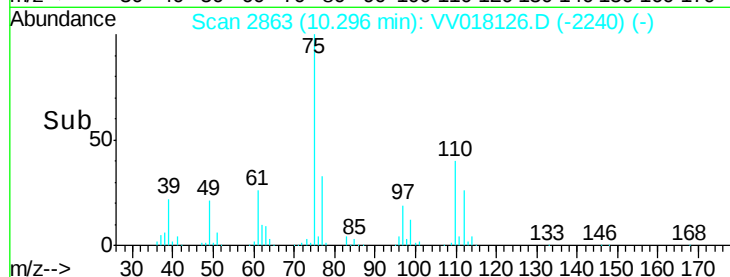
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 61.262 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

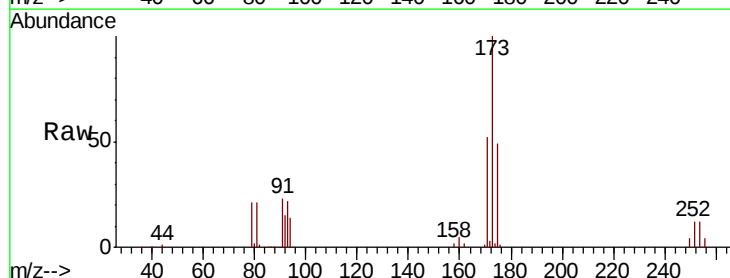
Tgt Ion: 173 Resp: 85472

Ion Ratio Lower Upper

173 100

175 48.8 38.6 57.8

254 11.3 8.4 12.6



Abundance Ion 173.00 (172.70 to 173.70): VV018106.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018106.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018106.D (-2682) (-)

9.75

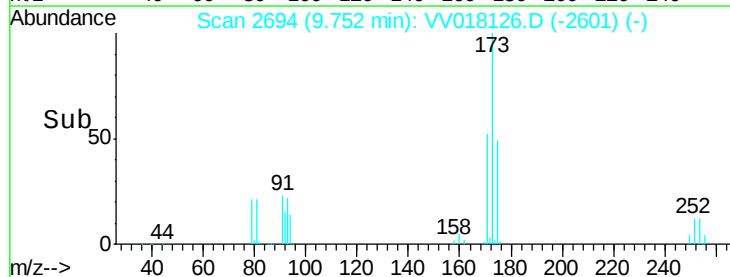
60000

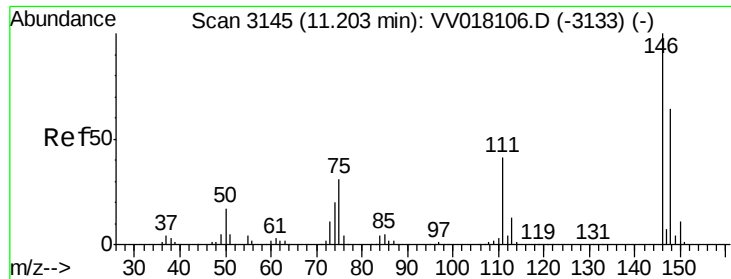
40000

20000

0

Time--> 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 51.161 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

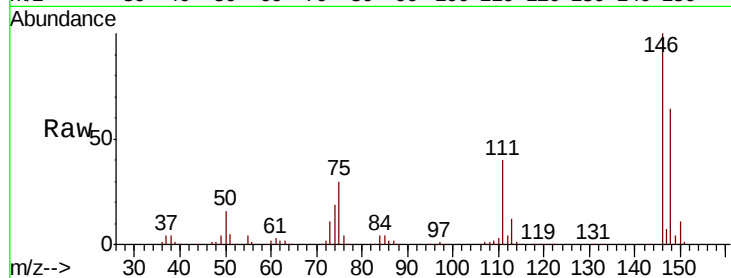
Tot Ion:146 Resp: 239887

Ion Ratio Lower Upper

146 100

111 39.6 28.8 53.4

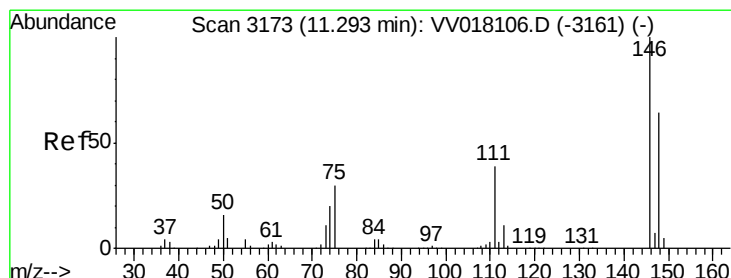
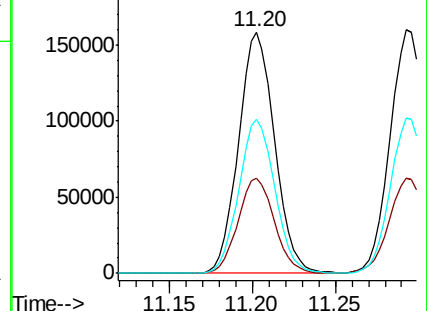
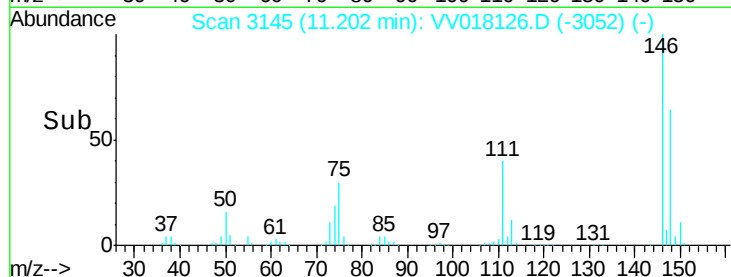
148 63.8 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.705 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

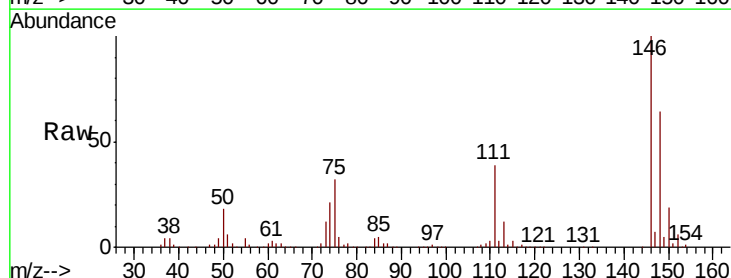
Tgt Ion:146 Resp: 244237

Ion Ratio Lower Upper

146 100

111 39.2 28.0 52.0

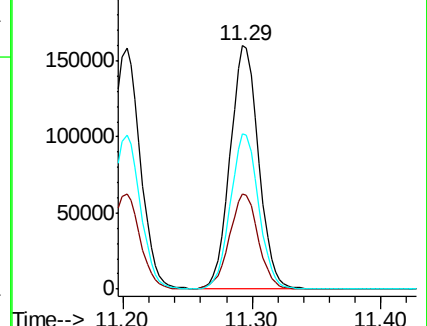
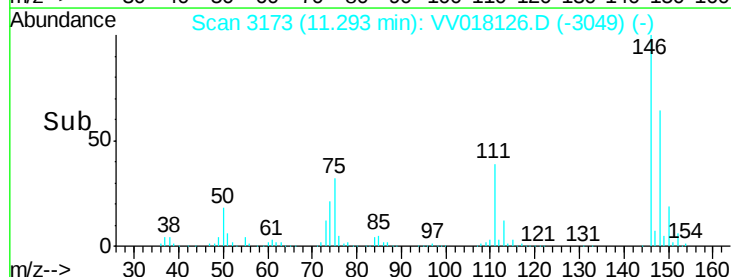
148 63.9 44.2 82.2

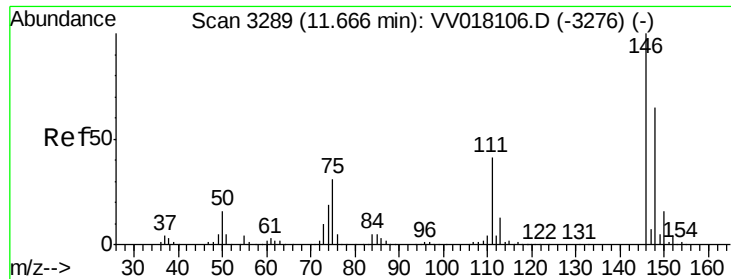


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.463 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

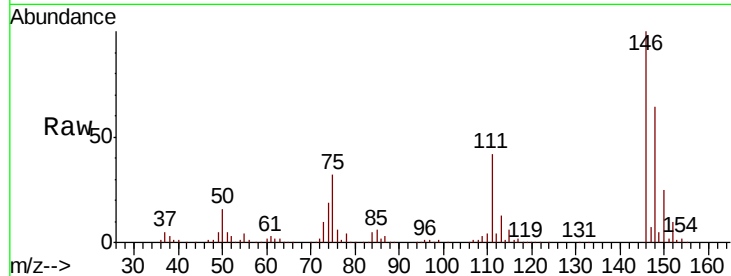
Tot Ion:146 Resp: 243541

Ion Ratio Lower Upper

146 100

111 42.4 34.2 51.4

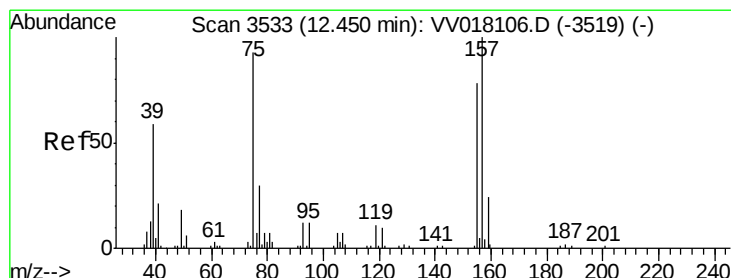
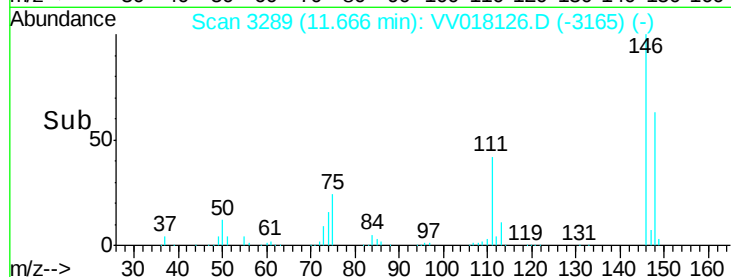
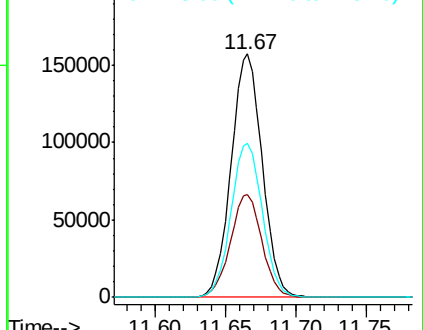
148 63.5 50.6 76.0



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: 50.297 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

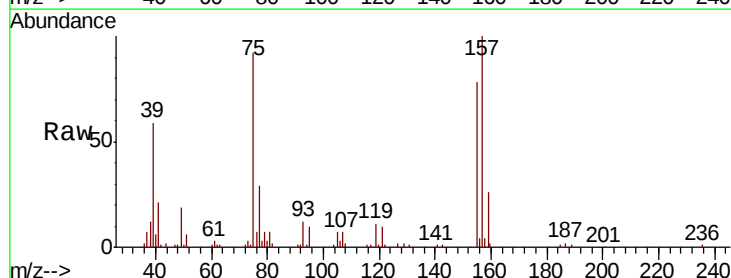
Tgt Ion: 75 Resp: 35765

Ion Ratio Lower Upper

75 100

155 85.0 67.6 101.4

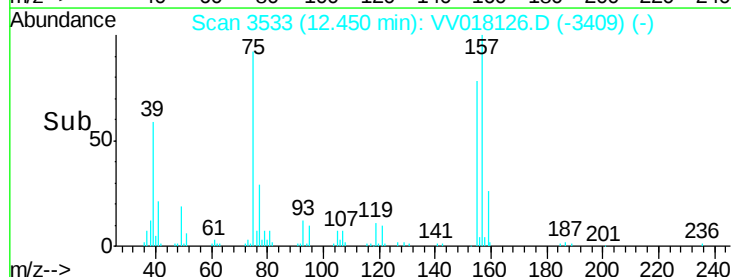
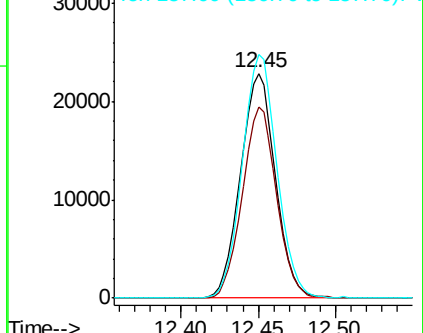
157 108.5 84.3 126.5

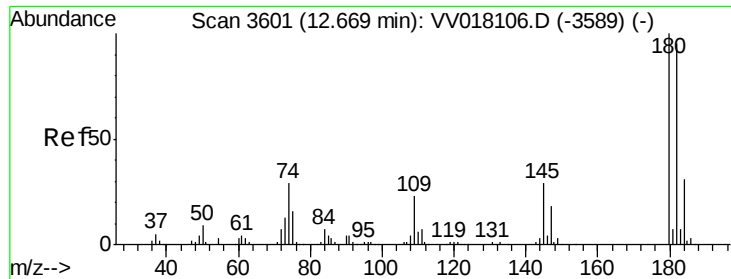


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

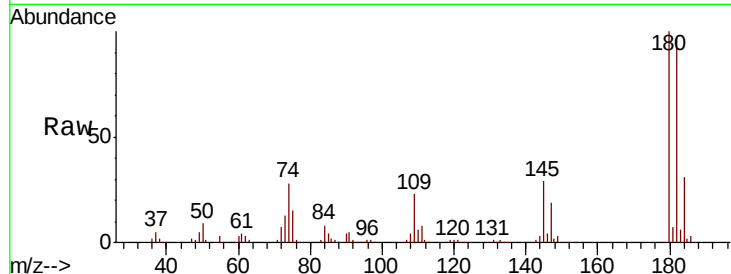




#67
 1,3,5-Trichlorobenzene
 Concen: 52.040 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018126.D
 Acq: 27 Aug 2020 19:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.2	115.8
184	30.4	24.6	36.8
145	28.7	23.5	35.3



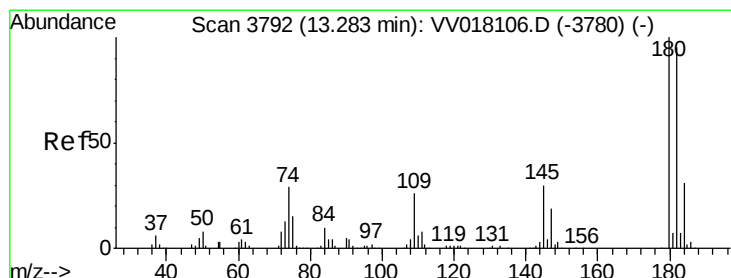
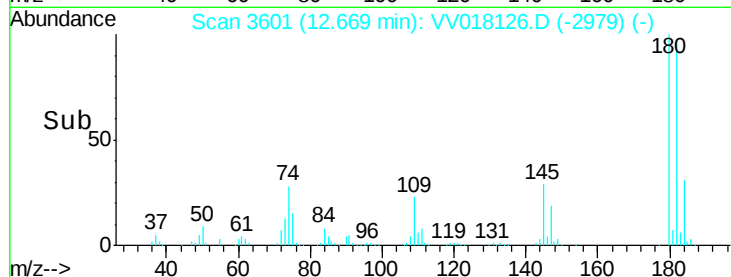
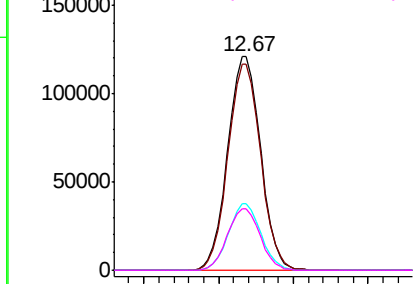
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

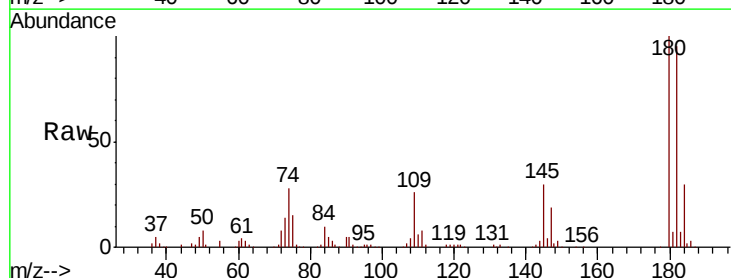
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 55.159 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018126.D
 Acq: 27 Aug 2020 19:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.4	114.6
145	29.7	24.0	36.0

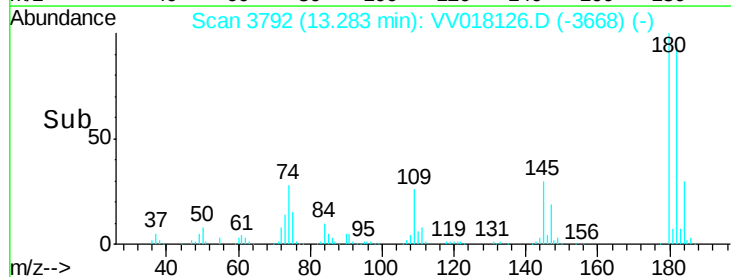
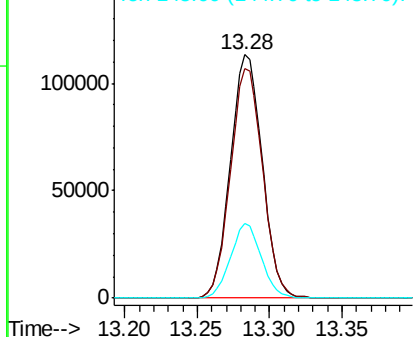


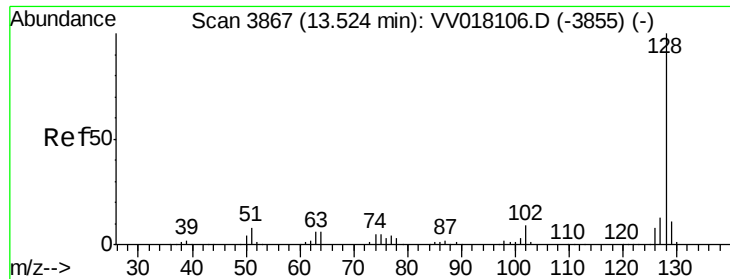
Abundance

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: 55.140 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

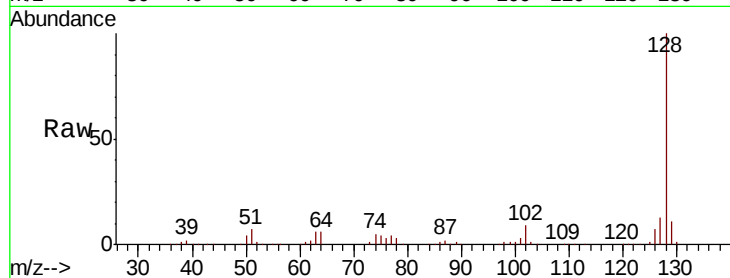
Tot Ion:128 Resp: 475942

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

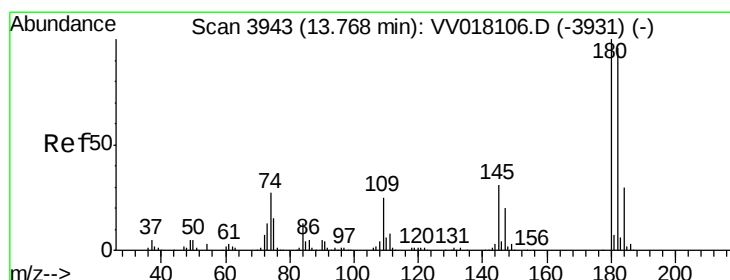
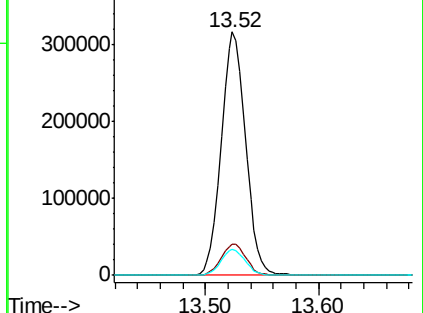
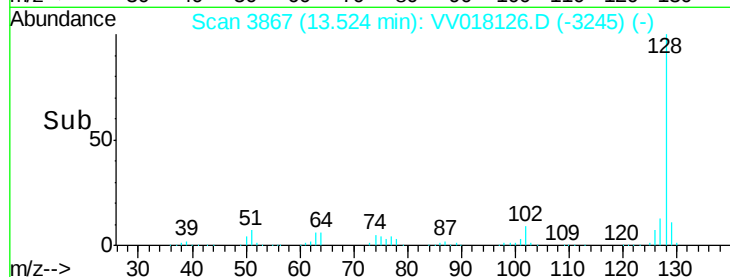
129 10.7 8.7 13.1



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: 56.080 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018126.D

Acq: 27 Aug 2020 19:08

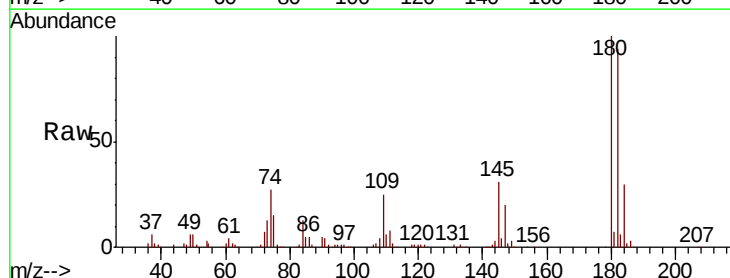
Tgt Ion:180 Resp: 178597

Ion Ratio Lower Upper

180 100

182 94.0 76.5 114.7

145 31.5 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

