

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101920\
 Data File : VV018983.D
 Acq On : 19 Oct 2020 20:41
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

Quant Time: Oct 20 01:08:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 20 01:05:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	317495	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	309790	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	168100	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93058	35.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.22%
7) Chloroethane-d5	1.58	69	88544	42.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.52%
11) 1,1-Dichloroethene-d2	2.13	63	212069	42.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.96%
21) 2-Butanone-d5	3.91	46	189840	104.21	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.21%
24) Chloroform-d	4.38	84	206469	43.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.94%
26) 1,2-Dichloroethane-d4	5.06	65	140185	44.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.96%
32) Benzene-d6	5.07	84	375439	41.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.02%
36) 1,2-Dichloropropane-d6	6.09	67	125085	43.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.52%
41) Toluene-d8	7.34	98	335286	41.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.66%
43) trans-1,3-Dichloropropene-	7.64	79	64419	45.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.16%
47) 2-Hexanone-d5	8.11	63	107335	99.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.92%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	163045	48.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.22%
64) 1,2-Dichlorobenzene-d4	11.65	152	146662	42.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	123908	45.071	ug/L 100
3) Chloromethane	1.25	50	153643	49.554	ug/L 100
5) Vinyl chloride	1.32	62	155341	51.837	ug/L 99
6) Bromomethane	1.53	94	97553	53.356	ug/L 100
8) Chloroethane	1.60	64	100182	55.740	ug/L 98
9) Trichlorofluoromethane	1.77	101	201722	51.000	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	106880	51.892	ug/L 99
12) 1,1-Dichloroethene	2.13	96	110870	53.118	ug/L 96
13) Acetone	2.20	43	134720	101.207	ug/L 97
14) Carbon disulfide	2.31	76	349097	49.092	ug/L 99
15) Methyl Acetate	2.45	43	151542	55.419	ug/L 99
16) Methylene chloride	2.52	84	134879	53.865	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	122219	52.749	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	401400	54.832	ug/L 100
19) 1,1-Dichloroethane	3.21	63	244093	54.151	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	131513	53.554	ug/L 100
22) 2-Butanone	4.00	43	192196	106.191	ug/L 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101920\
 Data File : VV018983.D
 Acq On : 19 Oct 2020 20:41
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

Quant Time: Oct 20 01:08:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 20 01:05:12 2020
 Response via : Initial Calibration

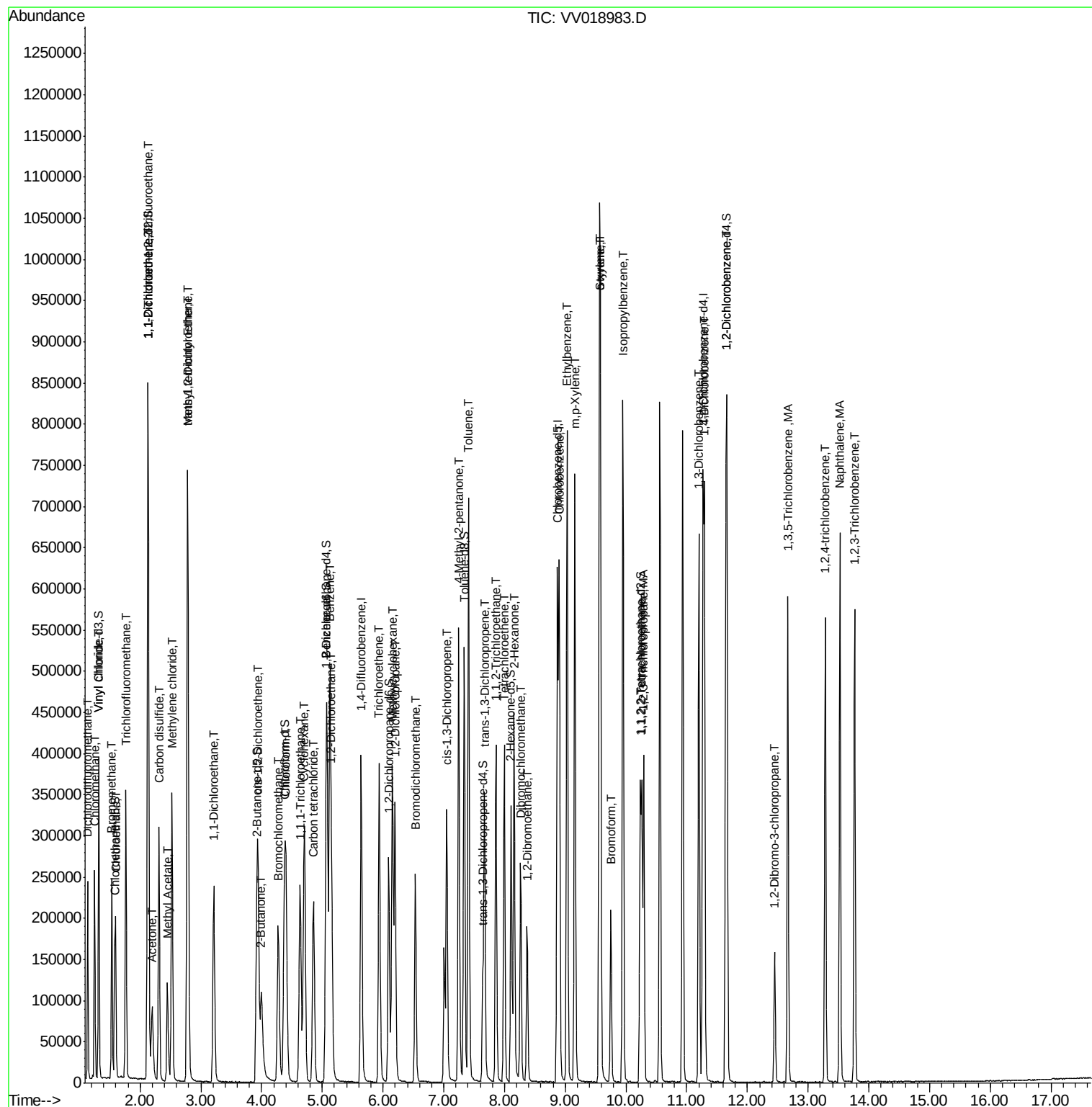
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	64877	51.154	uq/L	98
25) Chloroform	4.40	83	223038	49.206	uq/L	99
27) 1,2-Dichloroethane	5.15	62	185357	50.059	uq/L	100
29) Cyclohexane	4.70	56	169144	45.943	uq/L	99
30) 1,1,1-Trichloroethane	4.64	97	193131	50.242	uq/L	99
31) Carbon tetrachloride	4.86	117	164544	50.294	uq/L	99
33) Benzene	5.13	78	466129	49.085	uq/L	100
34) Trichloroethene	5.94	95	129389	47.248	uq/L	98
35) Methylcyclohexane	6.15	83	151091	45.555	uq/L	99
37) 1,2-Dichloropropane	6.20	63	126572	49.789	uq/L	99
38) Bromodichloromethane	6.53	83	164101	50.348	uq/L	98
39) cis-1,3-Dichloropropene	7.05	75	187799	49.163	uq/L	98
40) 4-Methyl-2-pentanone	7.24	43	359993	102.685	uq/L	99
42) Toluene	7.41	91	490786	50.039	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	193923	52.387	uq/L	100
45) 1,1,2-Trichloroethane	7.86	97	118113	49.949	uq/L	98
46) Tetrachloroethene	8.00	164	90472	46.877	uq/L	99
48) 2-Hexanone	8.16	43	277053	99.671	uq/L	99
49) Dibromochloromethane	8.27	129	130777	52.238	uq/L	98
50) 1,2-Dibromoethane	8.37	107	121151	49.161	uq/L	99
51) Chlorobenzene	8.90	112	314932	49.251	uq/L	99
52) Ethylbenzene	9.03	91	535538	50.439	uq/L	100
53) m,p-Xylene	9.16	106	196937	49.786	uq/L	98
54) o-xylene	9.56	106	194956	51.516	uq/L	97
55) Styrene	9.58	104	349210	52.462	uq/L	97
56) Isopropylbenzene	9.95	105	503473	50.677	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	163148	50.811	uq/L	100
59) 1,2,3-Trichloropropane	10.29	75	154108	50.080	uq/L	100
61) Bromoform	9.75	173	93858	51.112	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	250215	48.015	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	258945	47.263	uq/L	99
65) 1,2-Dichlorobenzene	11.66	146	252994	48.119	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	37584	47.968	uq/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	172814	49.367	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	162591	50.406	uq/L	100
69) Naphthalene	13.52	128	484173	52.891	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	167599	51.980	uq/L	99

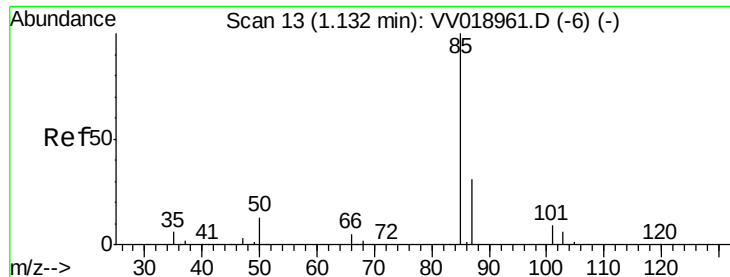
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101920\
Data File : VV018983.D
Acq On : 19 Oct 2020 20:41
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

Quant Time: Oct 20 01:08:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 20 01:05:12 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 45.071 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

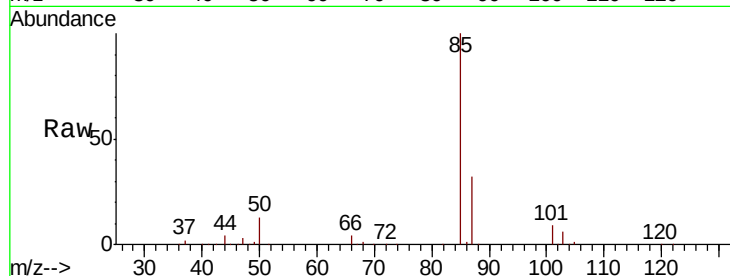
VSTD05095

Tot Ion: 85 Resp: 123908

Ion Ratio Lower Upper

85 100

87 31.8 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV018961.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV018961.D (-6) (-)

1.14

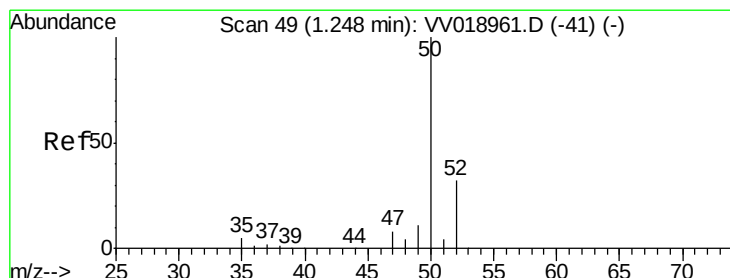
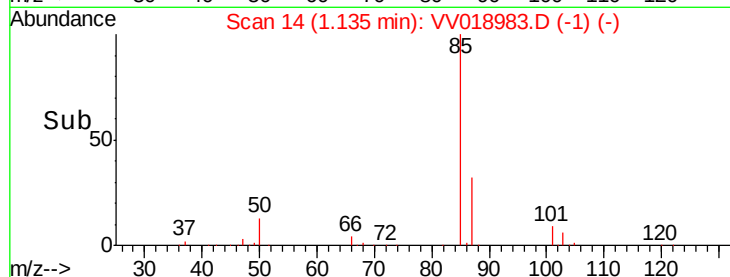
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.554 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018983.D

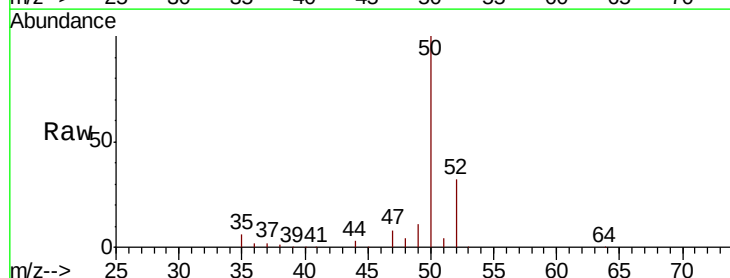
Acq: 19 Oct 2020 20:41

Tgt Ion: 50 Resp: 153643

Ion Ratio Lower Upper

50 100

52 32.0 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VV018961.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV018961.D (-41) (-)

1.25

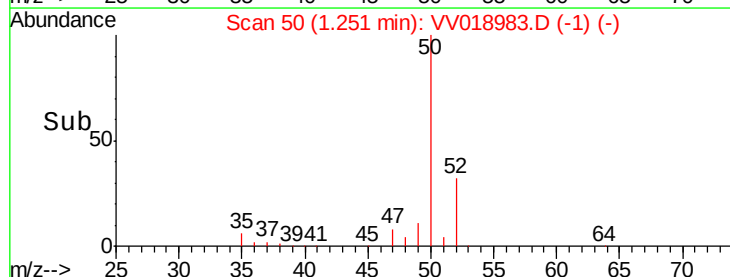
150000

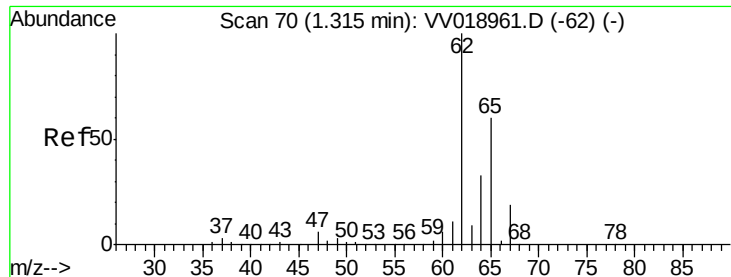
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 51.837 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

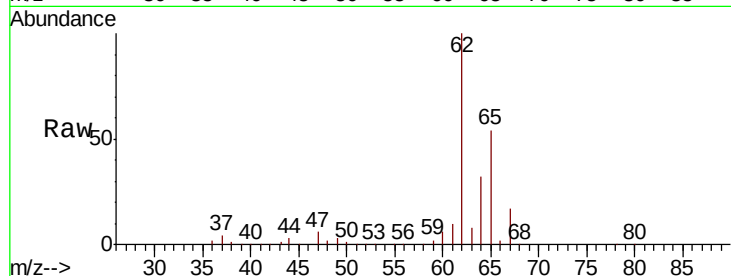
VSTD05095

Tot Ion: 62 Resp: 155341

Ion Ratio Lower Upper

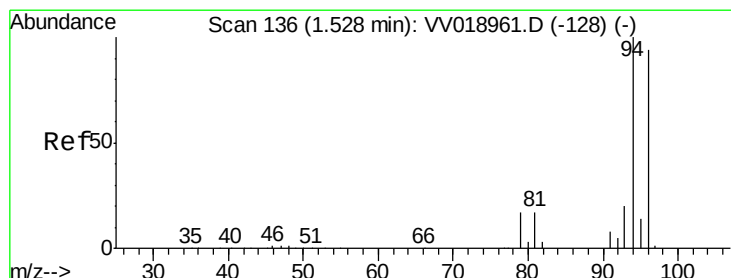
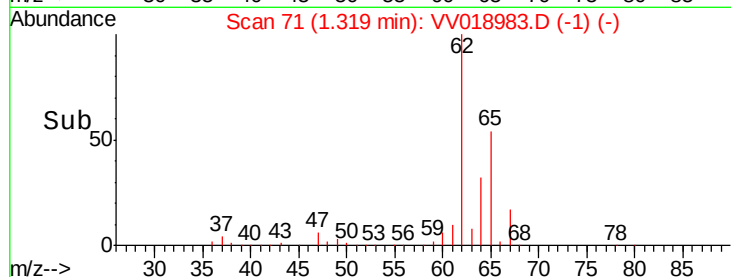
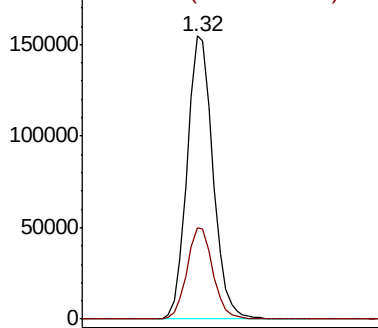
62 100

64 32.5 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 53.356 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.01 min

Lab File: VV018983.D

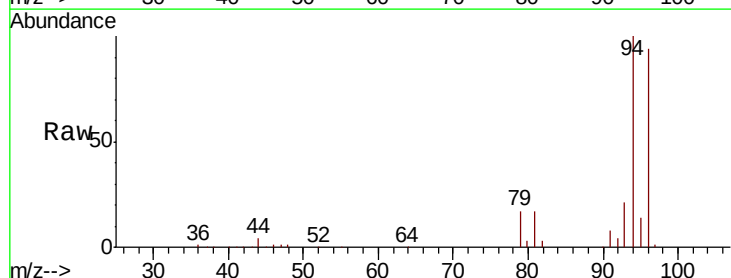
Acq: 19 Oct 2020 20:41

Tgt Ion: 94 Resp: 97553

Ion Ratio Lower Upper

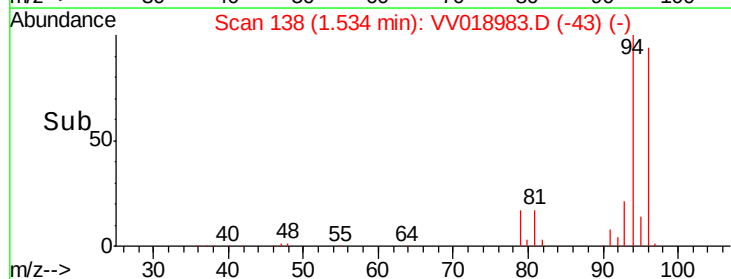
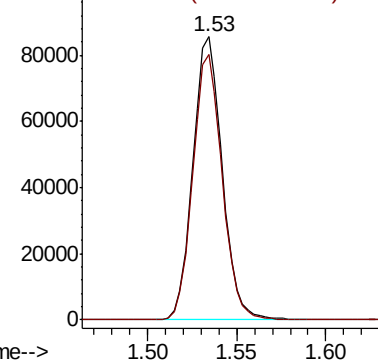
94 100

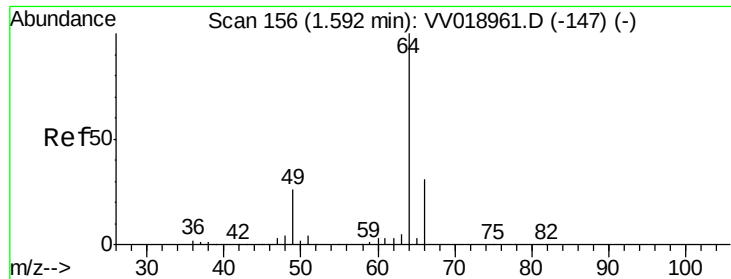
96 93.6 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

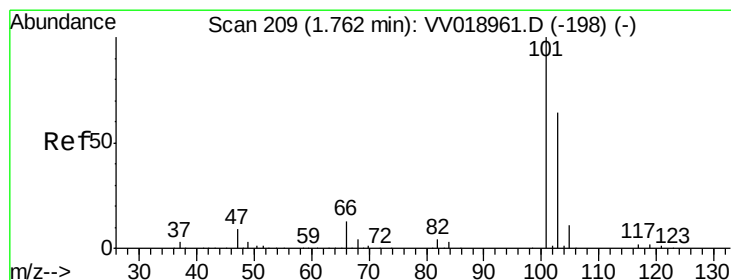
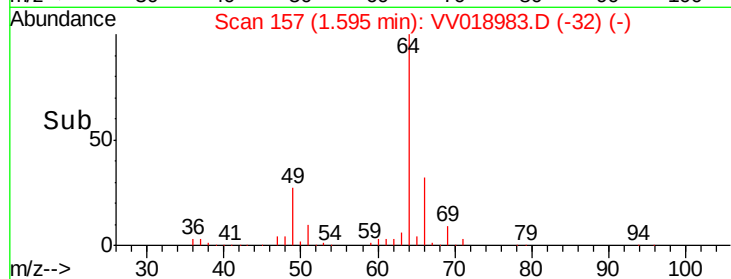
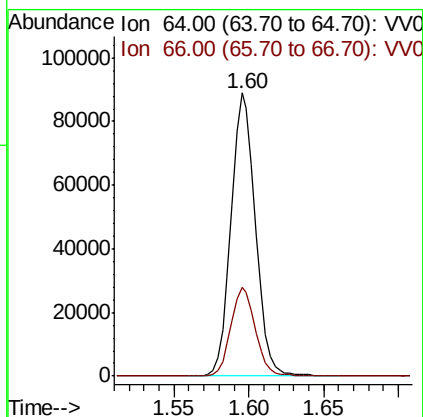
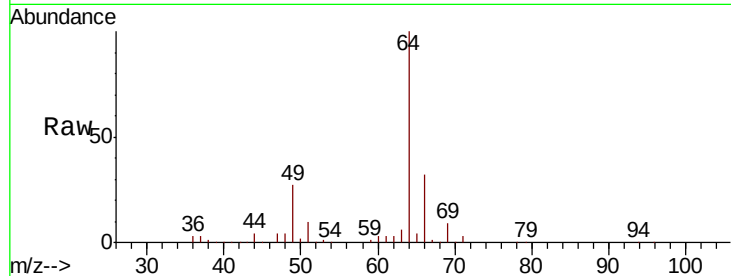




#8
Chloroethane
Concen: 55.740 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV018983.D
Acq: 19 Oct 2020 20:41

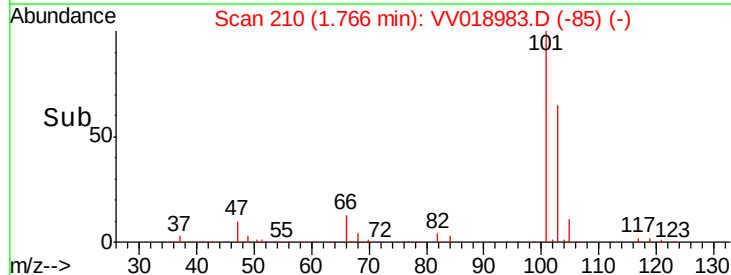
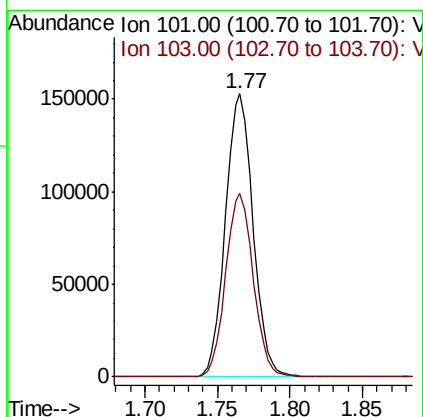
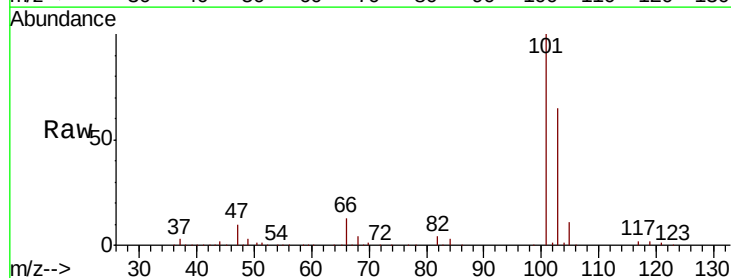
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

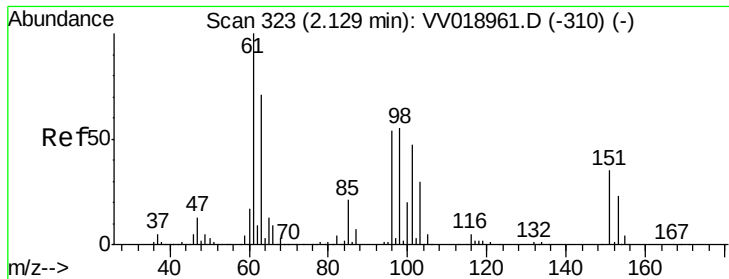
Tot Ion: 64 Resp: 100182
Ion Ratio Lower Upper
64 100
66 31.5 22.7 42.1



#9
Trichlorofluoromethane
Concen: 51.000 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV018983.D
Acq: 19 Oct 2020 20:41

Tgt Ion: 101 Resp: 201722
Ion Ratio Lower Upper
101 100
103 64.8 51.9 77.9





#10

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

Concen: 51.892 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

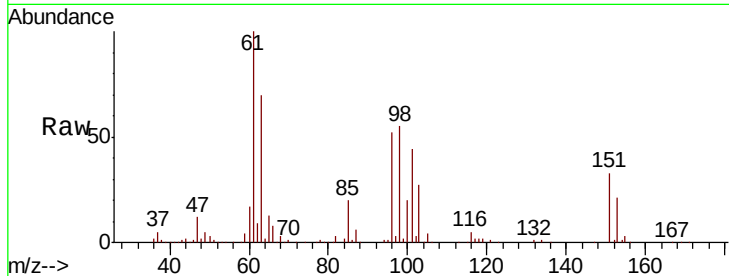
Tot Ion:101 Resp: 106880

Ion Ratio Lower Upper

101 100

85 44.5 35.0 52.4

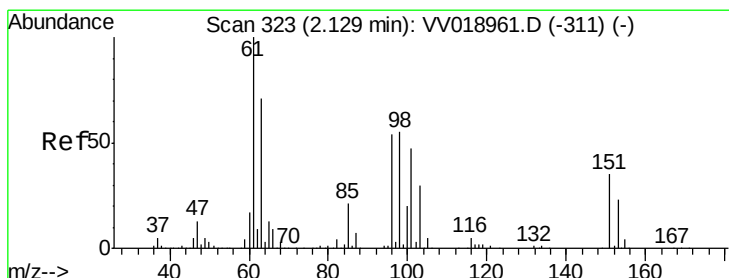
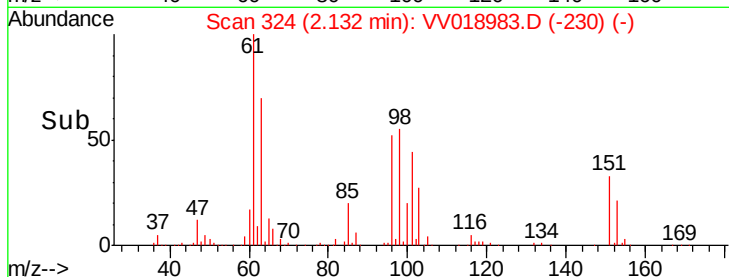
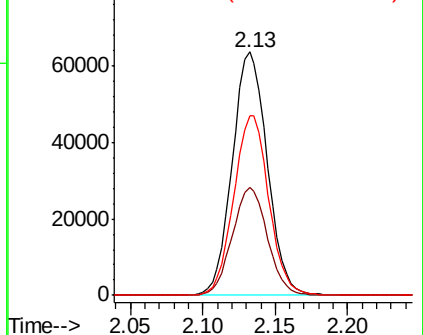
151 74.1 59.7 89.5



Abundance Ion 101.00 (100.70 to 101.70): VV018983.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV018983.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV018983.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 53.118 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

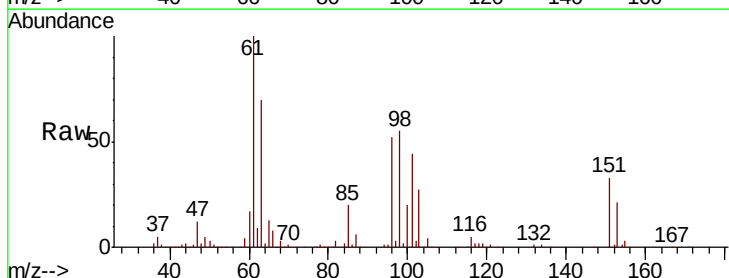
Tgt Ion: 96 Resp: 110870

Ion Ratio Lower Upper

96 100

61 191.7 133.5 247.9

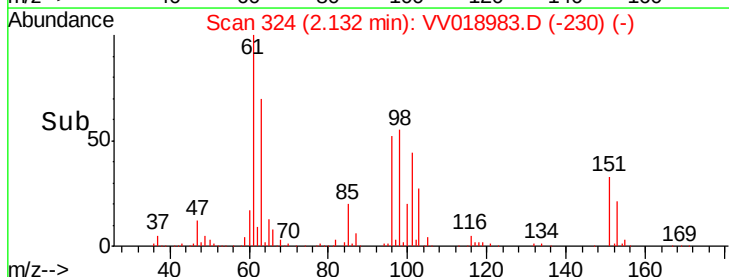
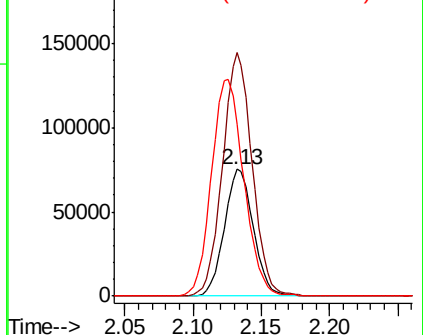
63 134.9 102.1 189.7

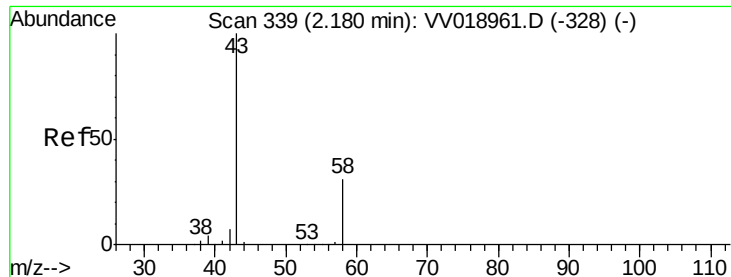


Abundance Ion 96.00 (95.70 to 96.70): VV018983.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV018983.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV018983.D (-230) (-)





#13

Acetone

Concen: 101.207 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.02 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

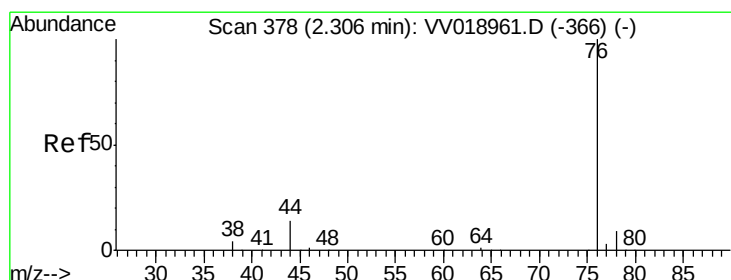
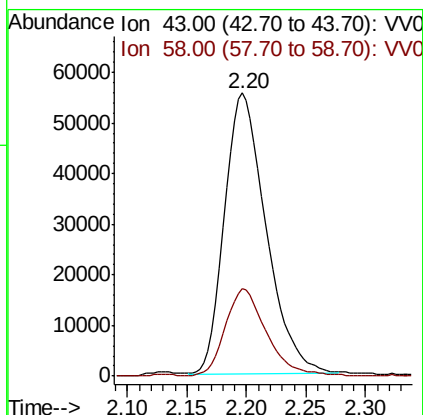
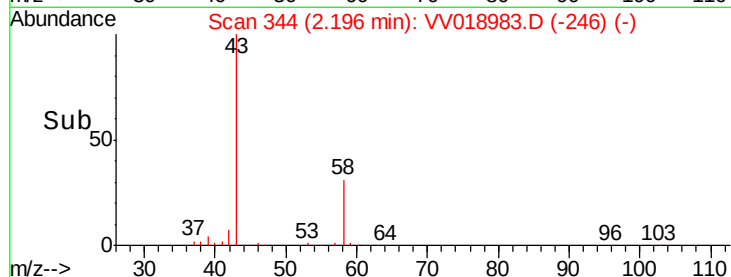
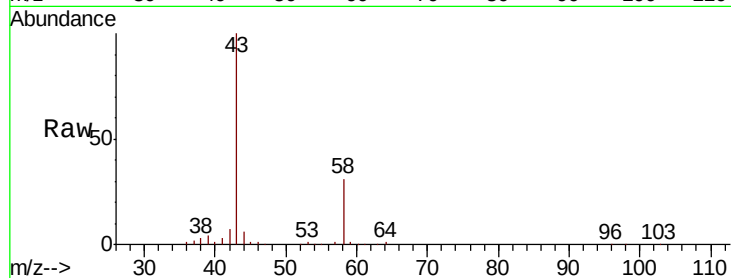
VSTD05095

Tot Ion: 43 Resp: 134720

Ion Ratio Lower Upper

43 100

58 31.0 0.0 58.8



#14

Carbon disulfide

Concen: 49.092 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV018983.D

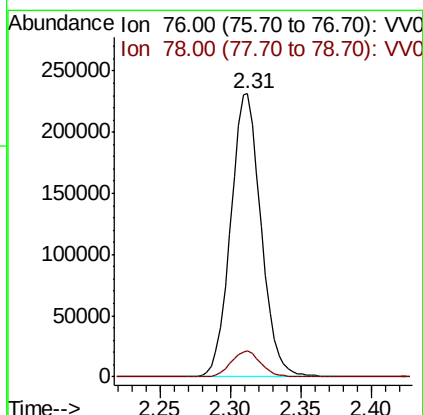
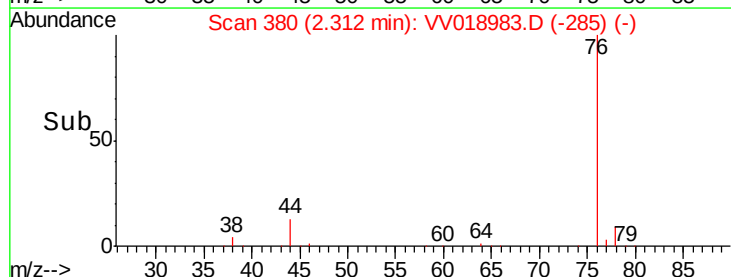
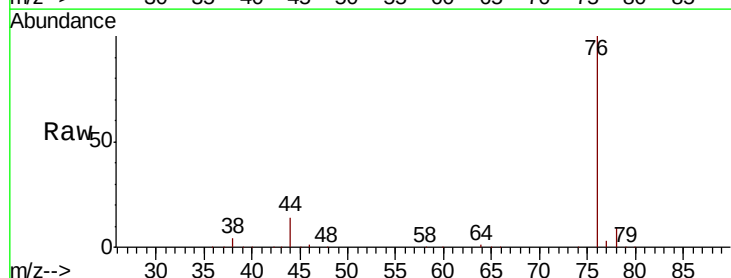
Acq: 19 Oct 2020 20:41

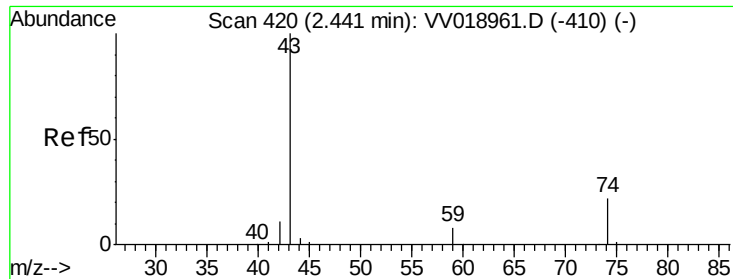
Tgt Ion: 76 Resp: 349097

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

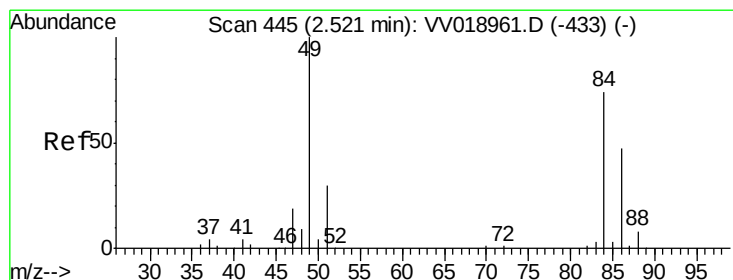
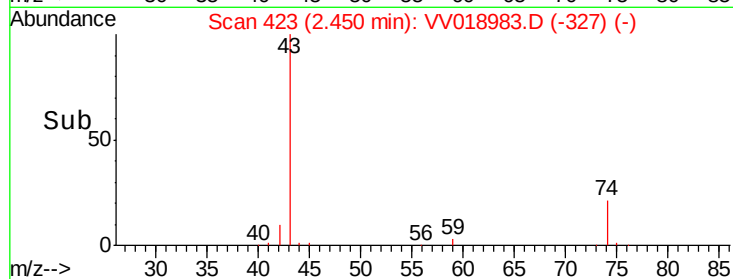
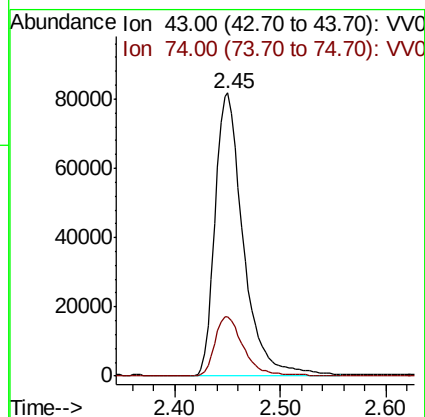
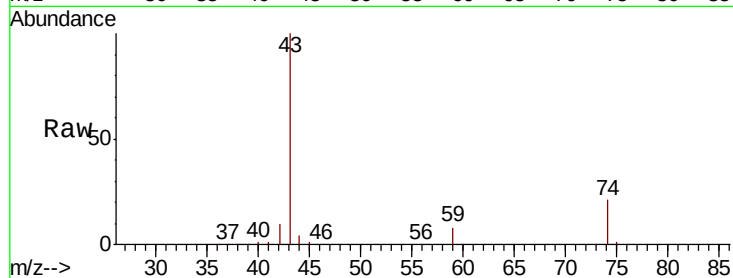




#15
Methvl Acetate
Concen: 55.419 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV018983.D
Acq: 19 Oct 2020 20:41

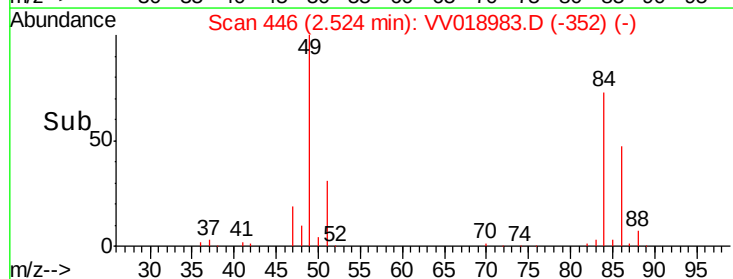
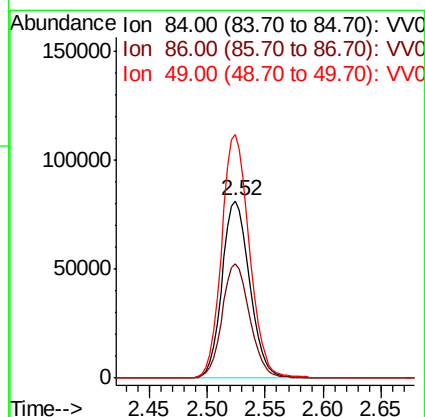
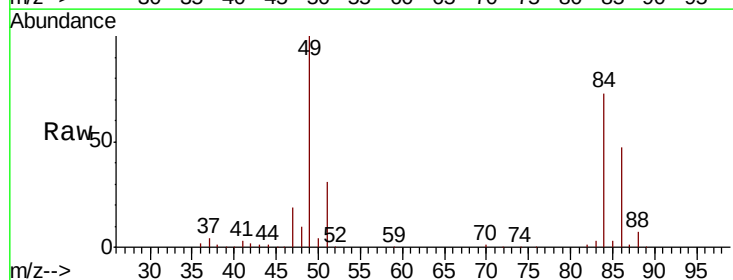
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

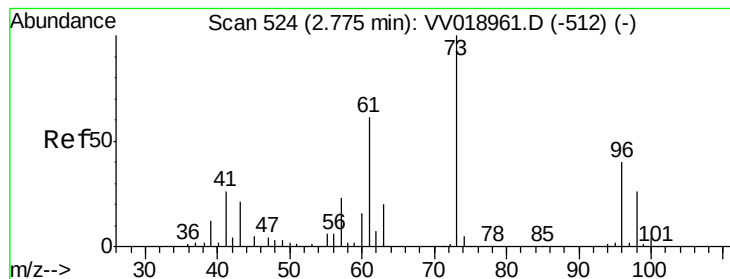
Tot Ion: 43 Resp: 151542
Ion Ratio Lower Upper
43 100
74 21.0 17.0 25.6



#16
Methylene chloride
Concen: 53.865 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018983.D
Acq: 19 Oct 2020 20:41

Tgt Ion: 84 Resp: 134879
Ion Ratio Lower Upper
84 100
86 64.8 46.6 86.6
49 137.4 96.1 178.5





#17

trans-1,2-Dichloroethene

Concen: 52.749 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

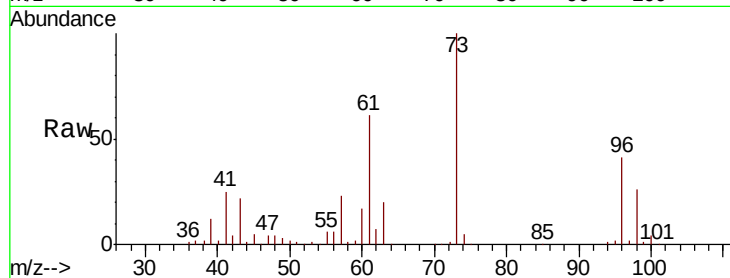
MSVOA_V

ClientSampleId :

VSTD05095

Tot Ion: 96 Resp: 122219

Ion	Ratio	Lower	Upper
96	100		
61	148.8	102.8	190.8
98	63.4	44.0	81.6

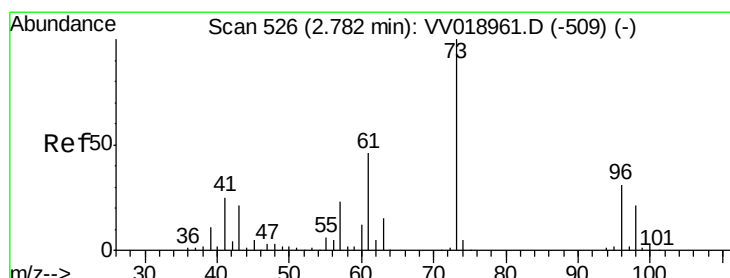
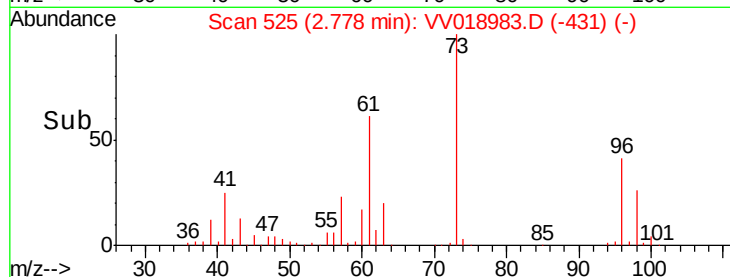
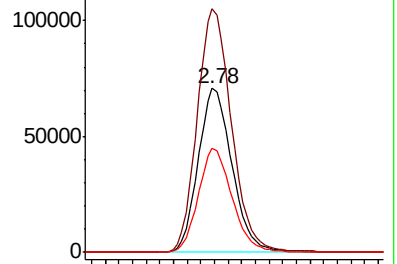


Abundance

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: 54.832 ug/L

RT: 2.78 min Scan# 527

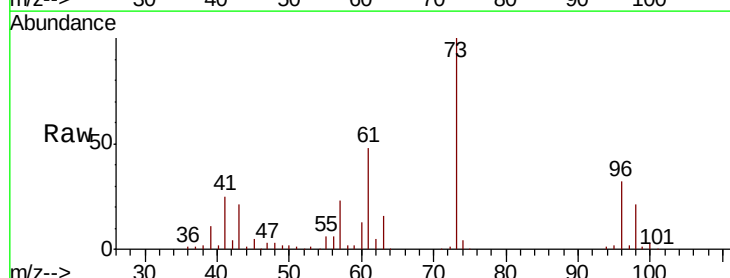
Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Tgt Ion: 73 Resp: 401400

Ion	Ratio	Lower	Upper
73	100		
43	20.9	16.9	25.3
57	23.1	18.3	27.5

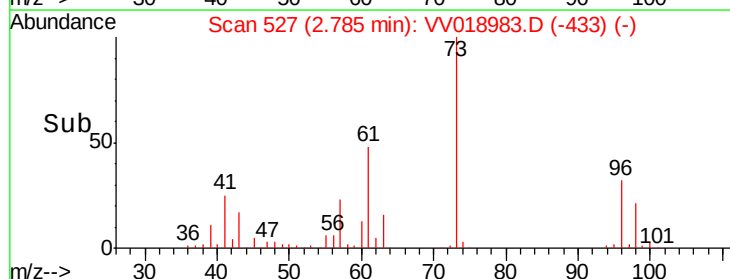
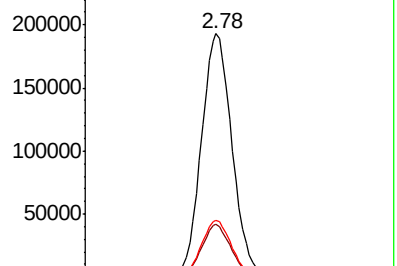


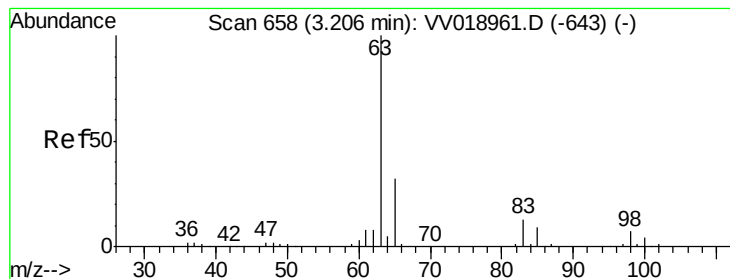
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 54.151 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.01 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

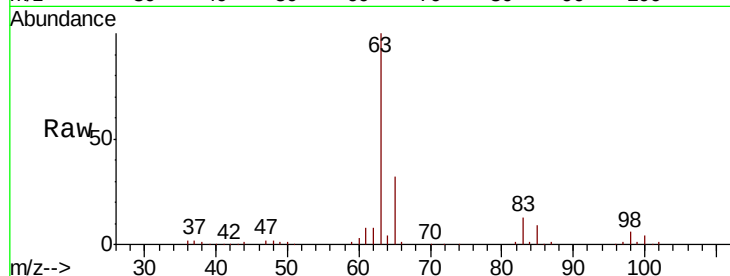
Tot Ion: 63 Resp: 244093

Ion Ratio Lower Upper

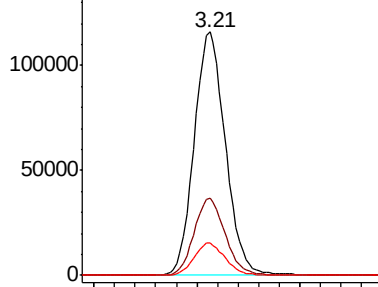
63 100

65 31.8 22.5 41.9

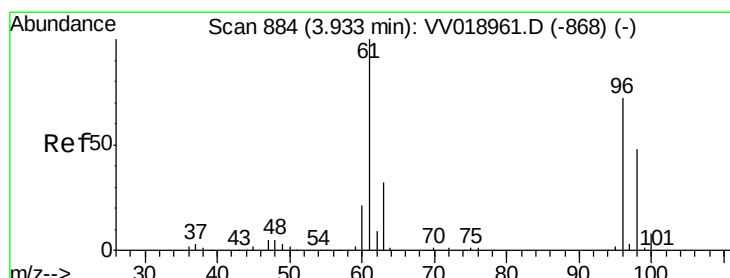
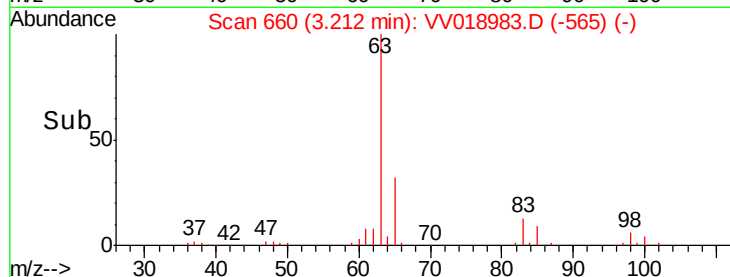
83 13.3 9.3 17.3



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



Time-->



#20

cis-1,2-Dichloroethene

Concen: 53.554 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

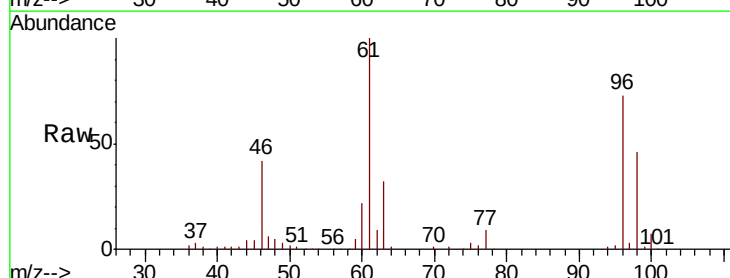
Tgt Ion: 96 Resp: 131513

Ion Ratio Lower Upper

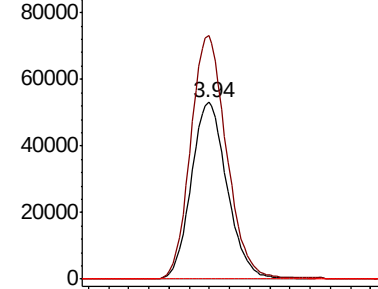
96 100

61 137.7 96.1 178.5

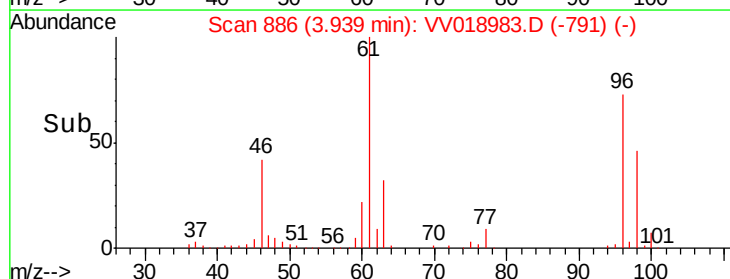
68 0.0 0.0 0.0

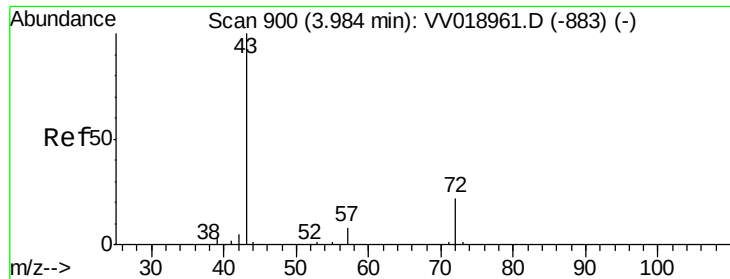


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0



Time-->





#22

2-Butanone

Concen: 106.191 ug/L

RT: 4.00 min Scan# 904

Delta R.T. 0.01 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

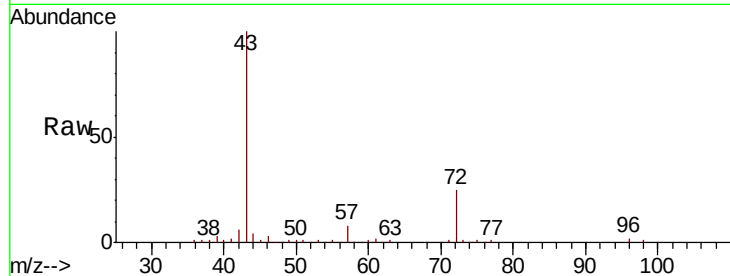
VSTD05095

Tot Ion: 43 Resp: 192196

Ion Ratio Lower Upper

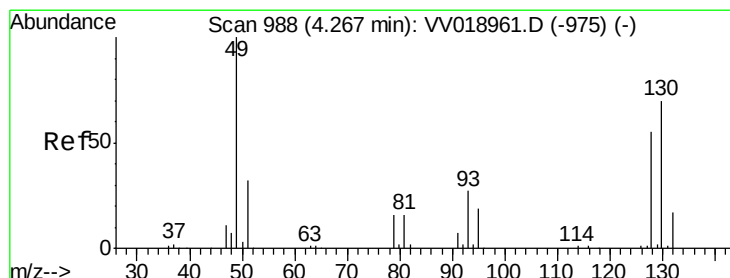
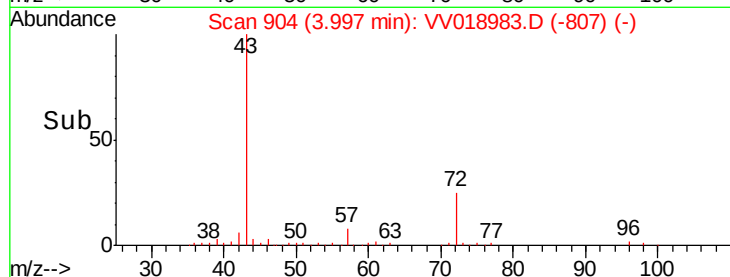
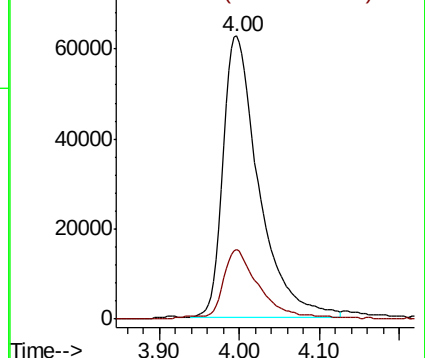
43 100

72 22.4 10.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VV018983.D (-895) (-)

Ion 72.00 (71.70 to 72.70): VV018983.D (-895) (-)



#23

Bromochloromethane

Concen: 51.154 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.01 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Tgt Ion:128 Resp: 64877

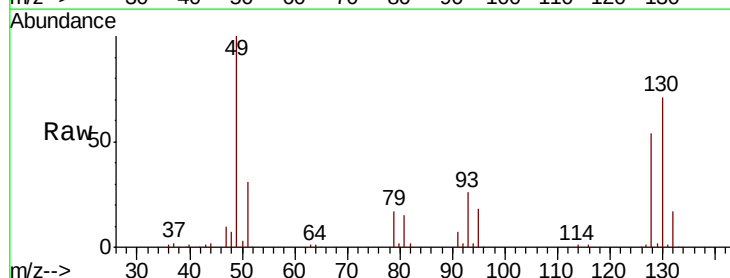
Ion Ratio Lower Upper

128 100

49 185.4 131.7 244.7

130 130.8 92.8 172.4

51 58.0 47.8 71.6

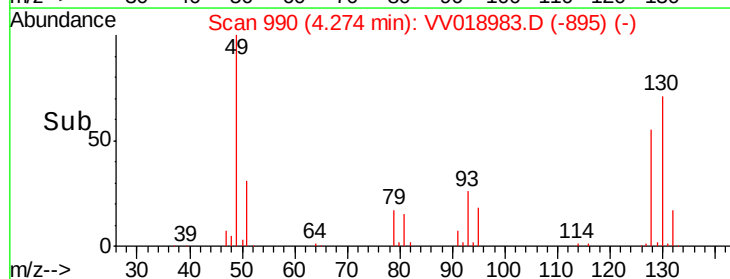
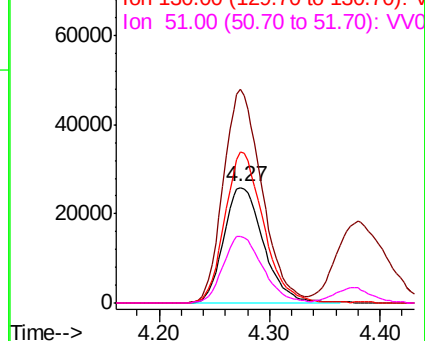


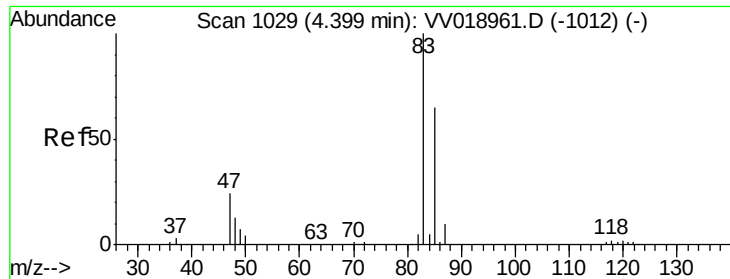
Abundance Ion 128.00 (127.70 to 128.70): VV018983.D (-895) (-)

Ion 49.00 (48.70 to 49.70): VV018983.D (-895) (-)

Ion 130.00 (129.70 to 130.70): VV018983.D (-895) (-)

Ion 51.00 (50.70 to 51.70): VV018983.D (-895) (-)

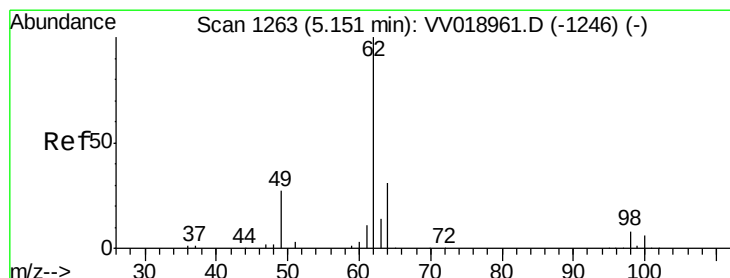
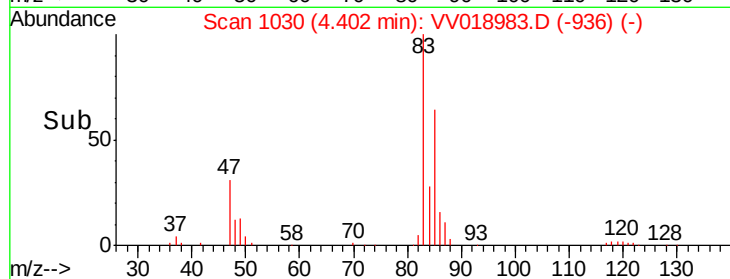
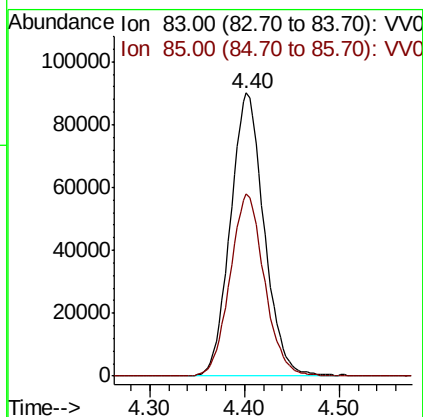
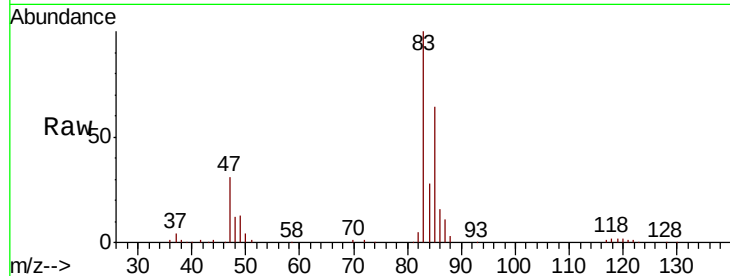




#25
Chloroform
Concen: 49.206 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018983.D
Acq: 19 Oct 2020 20:41

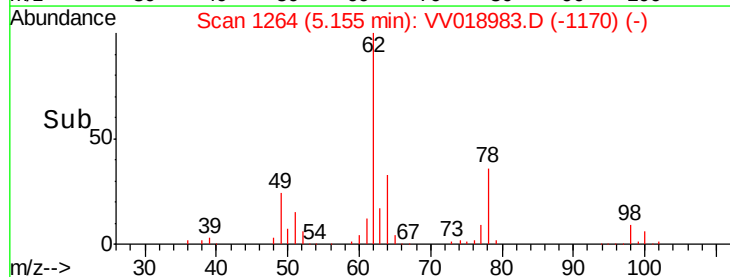
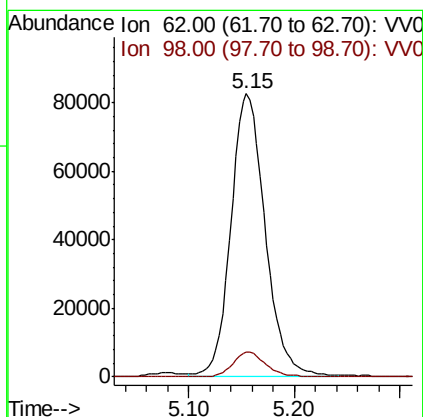
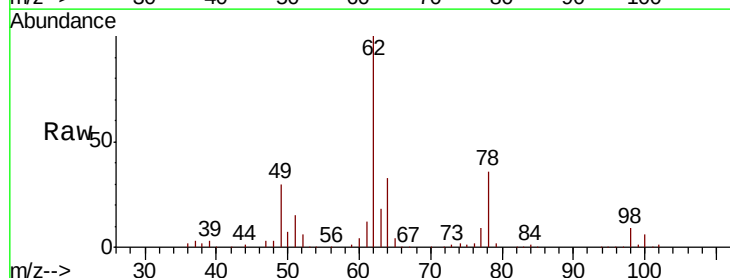
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

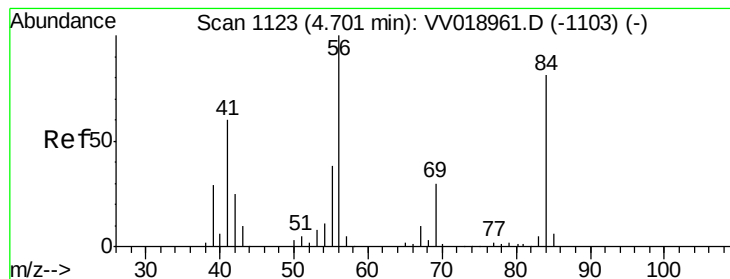
Tot Ion: 83 Resp: 223038
Ion Ratio Lower Upper
83 100
85 64.2 44.6 82.8



#27
1,2-Dichloroethane
Concen: 50.059 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018983.D
Acq: 19 Oct 2020 20:41

Tgt Ion: 62 Resp: 185357
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.6





#29

Cyclohexane

Concen: 45.943 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

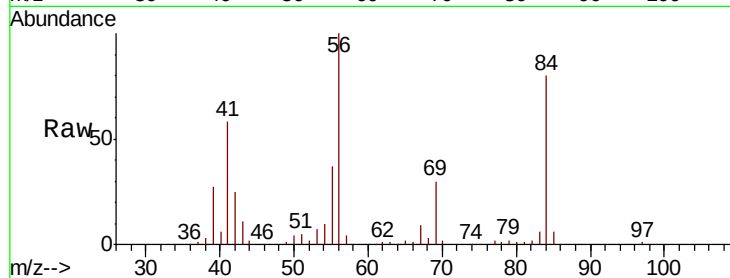
Tot Ion: 56 Resp: 169144

Ion Ratio Lower Upper

56 100

69 29.8 23.5 35.3

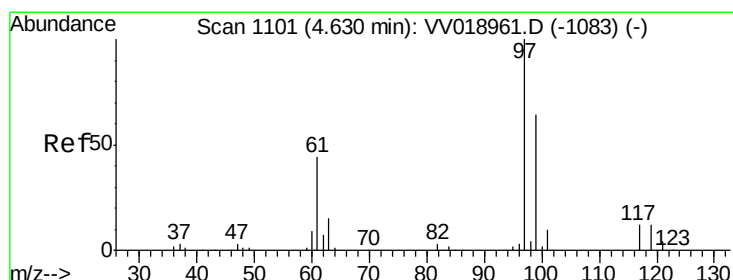
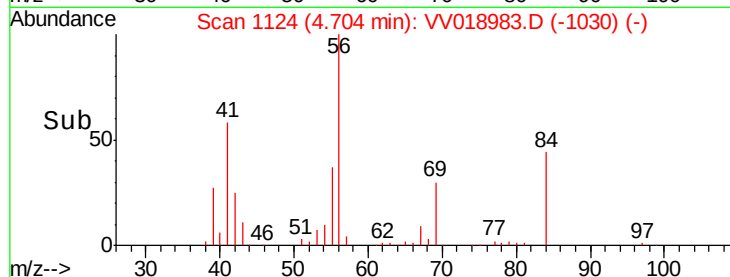
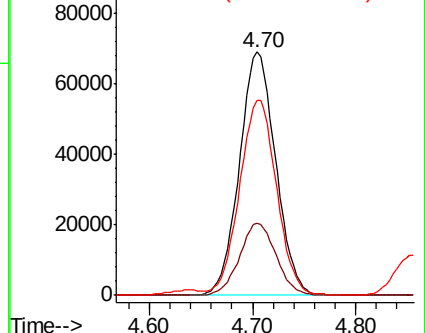
84 81.9 64.7 97.1



Abundance Ion 56.00 (55.70 to 56.70): VV018983.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV018983.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV018983.D (-1030) (-)



#30

1,1,1-Trichloroethane

Concen: 50.242 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

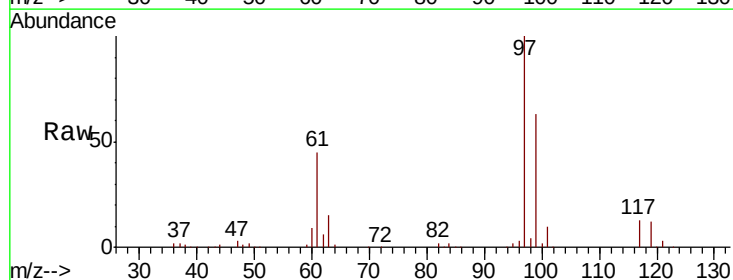
Tgt Ion: 97 Resp: 193131

Ion Ratio Lower Upper

97 100

99 64.0 51.2 76.8

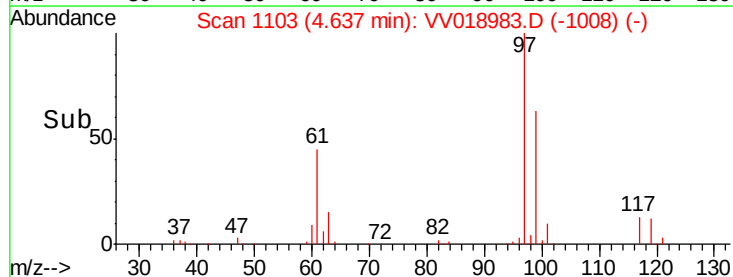
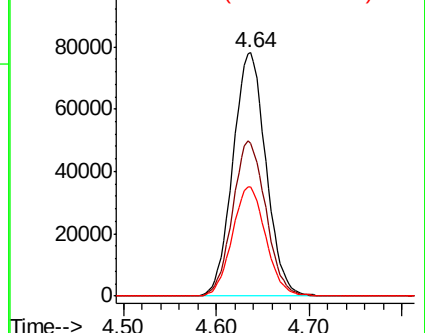
61 45.5 37.5 56.3

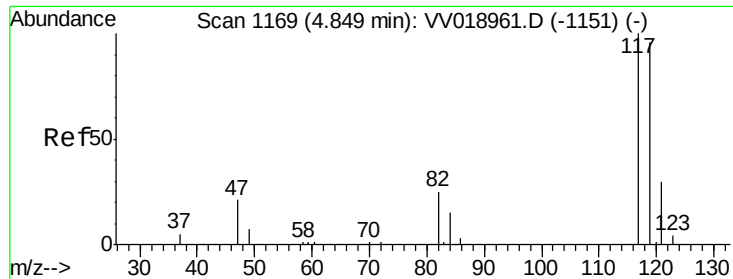


Abundance Ion 97.00 (96.70 to 97.70): VV018983.D (-1008) (-)

Ion 99.00 (98.70 to 99.70): VV018983.D (-1008) (-)

Ion 61.05 (60.75 to 61.75): VV018983.D (-1008) (-)





#31

Carbon tetrachloride

Concen: 50.294 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

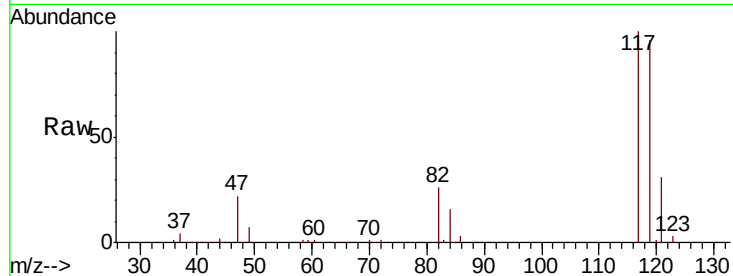
VSTD05095

Tot Ion:117 Resp: 164544

Ion Ratio Lower Upper

117 100

119 95.0 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

80000

60000

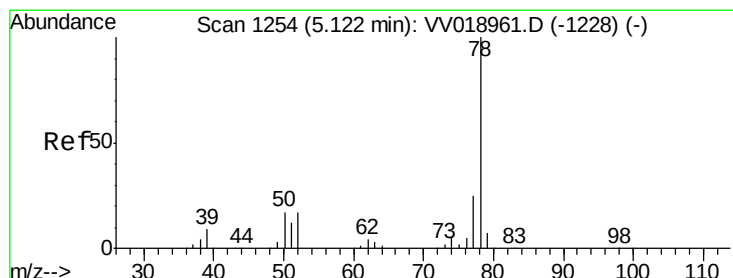
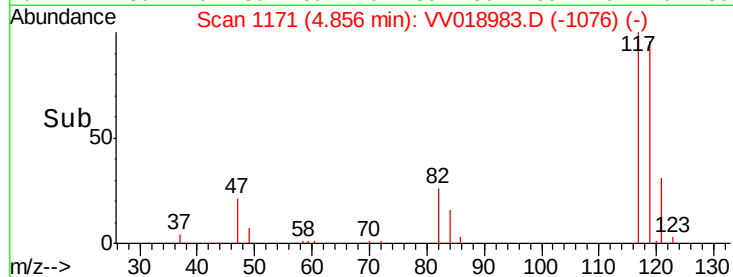
40000

20000

0

Time-->

4.80 4.90



#33

Benzene

Concen: 49.085 ug/L

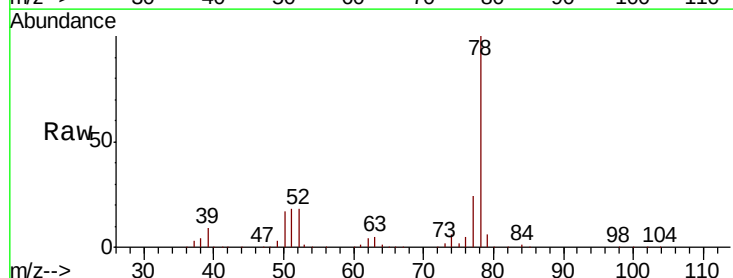
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Tgt Ion: 78 Resp: 466129



Abundance Ion 78.00 (77.70 to 78.70): VV0

250000

200000

150000

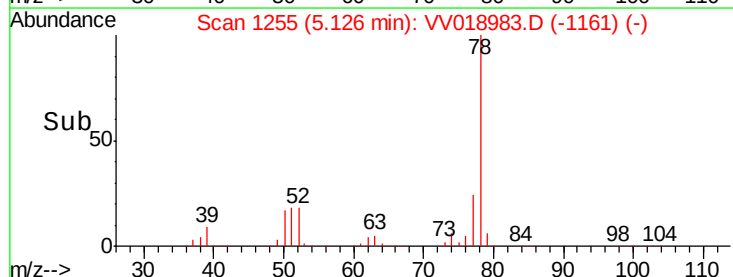
100000

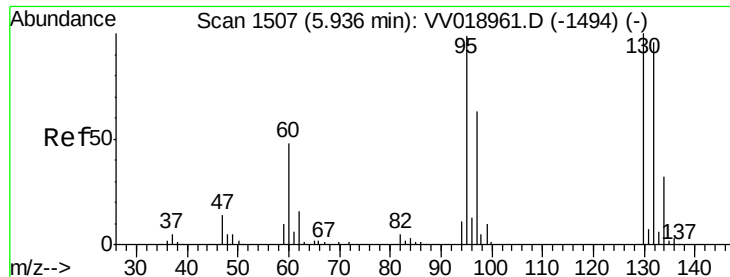
50000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 47.248 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

Tot Ion: 95 Resp: 129389

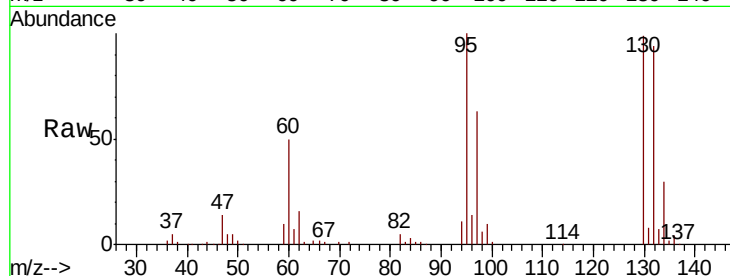
Ion Ratio Lower Upper

95 100

97 62.7 44.7 82.9

132 94.3 67.0 124.4

130 99.0 70.8 131.6

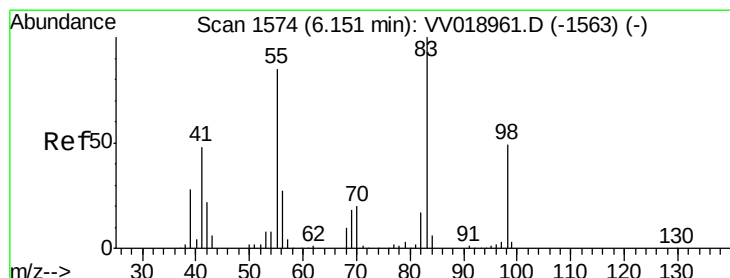
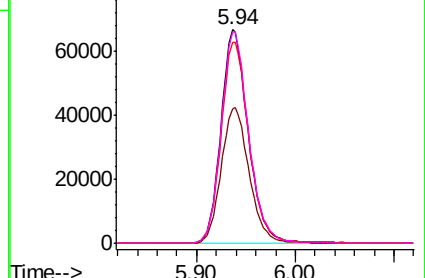
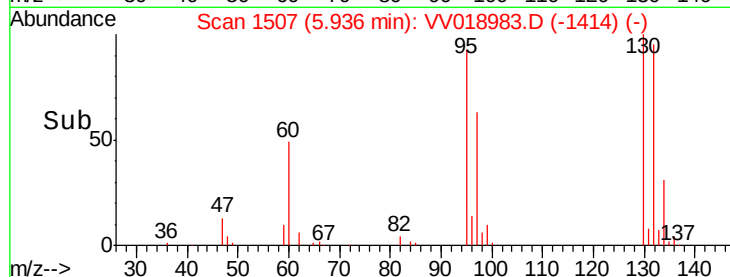


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 45.555 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

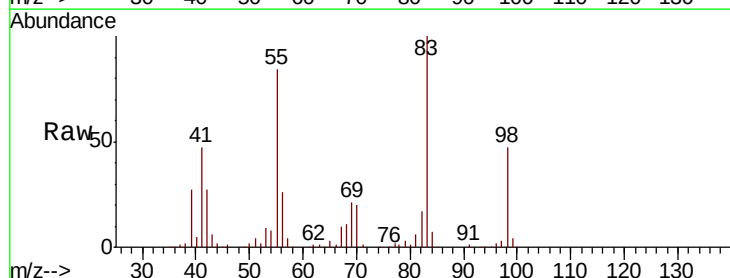
Tgt Ion: 83 Resp: 151091

Ion Ratio Lower Upper

83 100

55 82.6 67.3 100.9

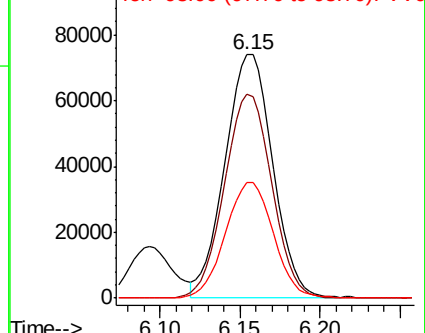
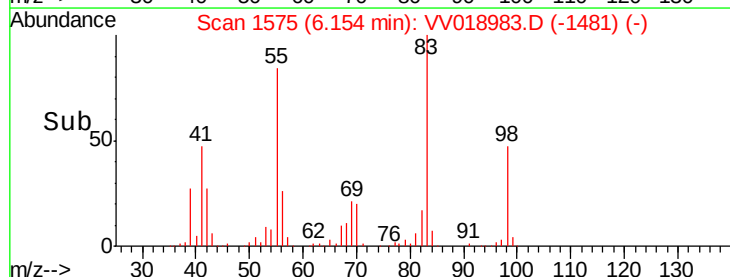
98 47.9 37.9 56.9

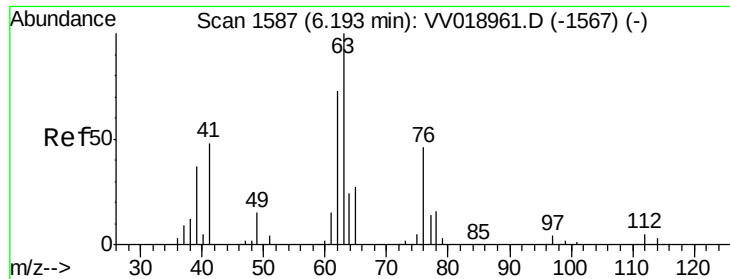


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

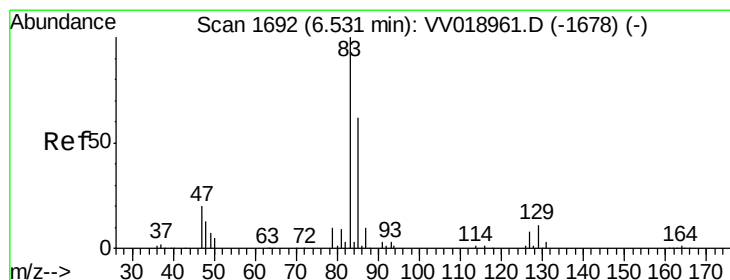
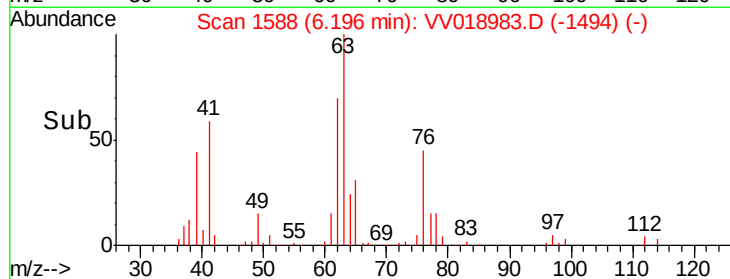
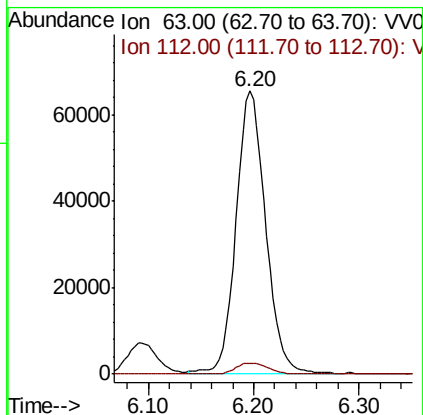
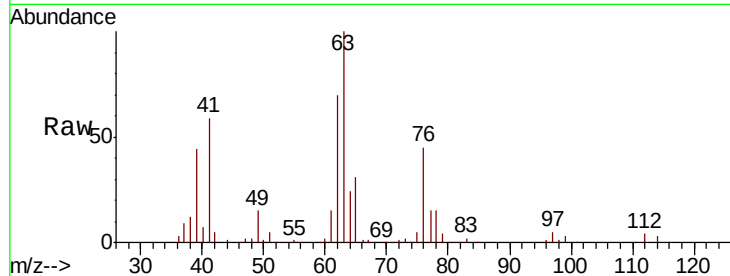




#37
 1,2-Dichloropropane
 Concen: 49.789 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018983.D
 Acq: 19 Oct 2020 20:41

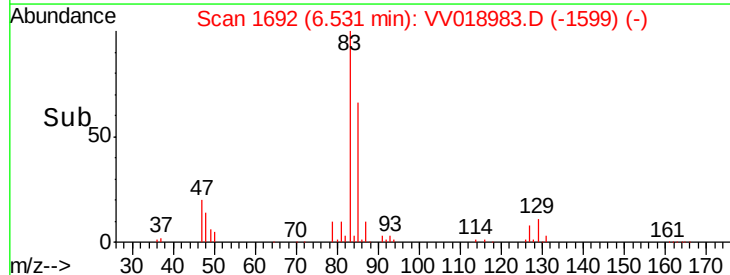
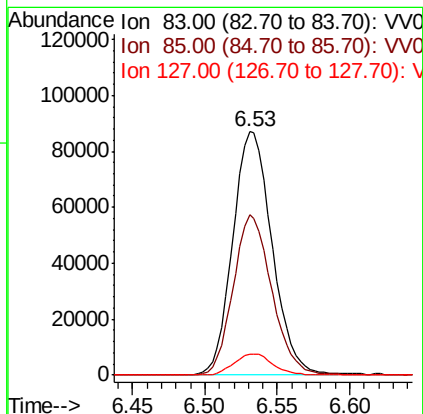
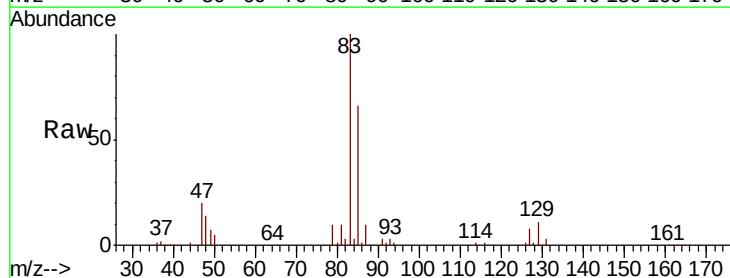
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

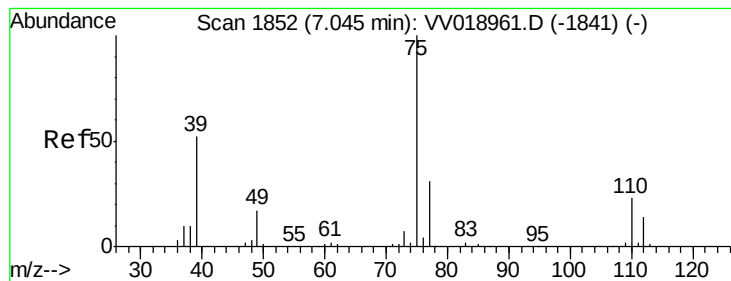
Tot Ion: 63 Resp: 126572
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.3 4.9



#38
 Bromodichloromethane
 Concen: 50.348 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018983.D
 Acq: 19 Oct 2020 20:41

Tgt Ion: 83 Resp: 164101
 Ion Ratio Lower Upper
 83 100
 85 65.6 44.7 83.1
 127 8.4 6.6 9.8



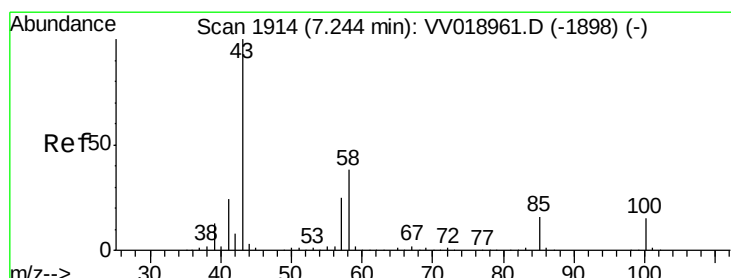
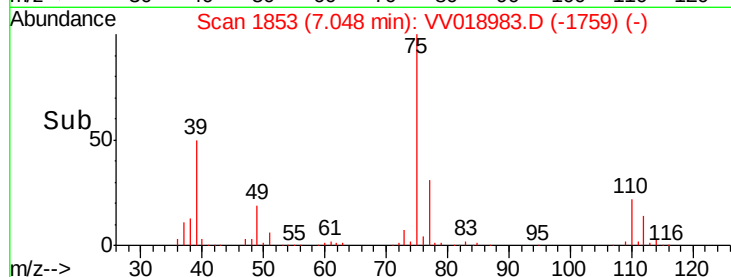
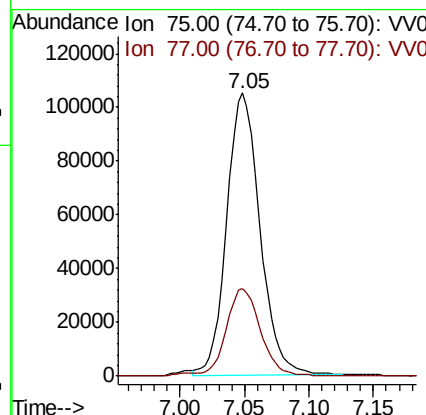
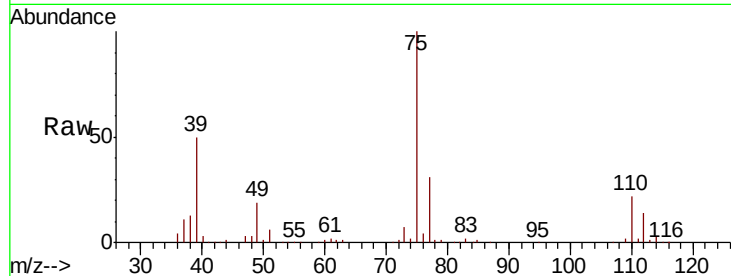


#39

cis-1,3-Dichloropropene
Concen: 49.163 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV018983.D
Acq: 19 Oct 2020 20:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

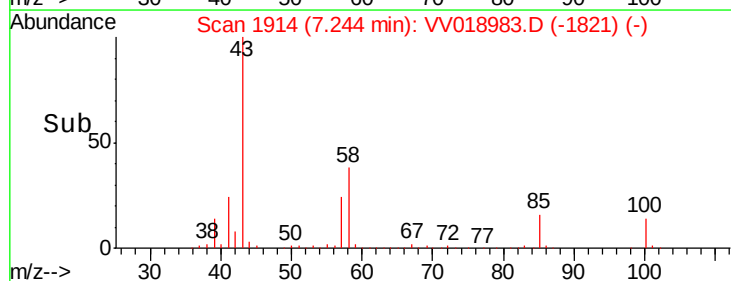
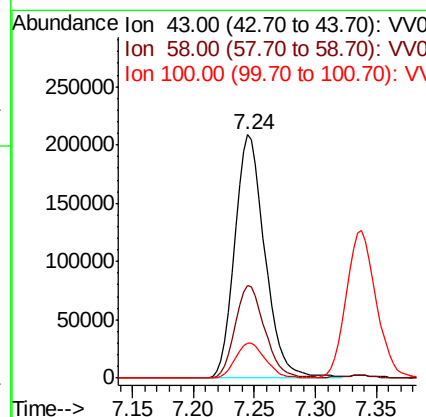
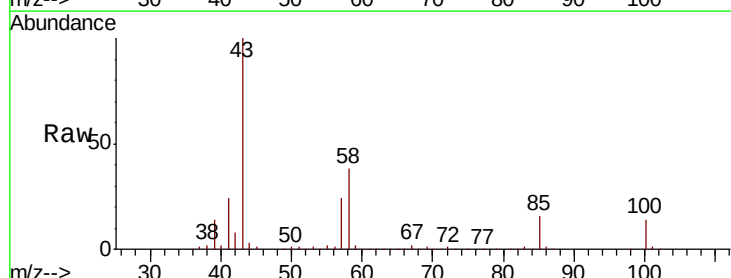
Tot Ion: 75 Resp: 187799
Ion Ratio Lower Upper
75 100
77 31.0 22.5 41.9

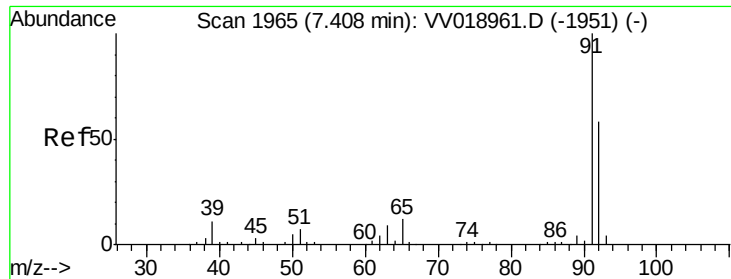


#40

4-Methyl-2-pentanone
Concen: 102.685 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV018983.D
Acq: 19 Oct 2020 20:41

Tgt Ion: 43 Resp: 359993
Ion Ratio Lower Upper
43 100
58 37.6 30.5 45.7
100 14.4 11.1 16.7





#42

Toluene

Concen: 50.039 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

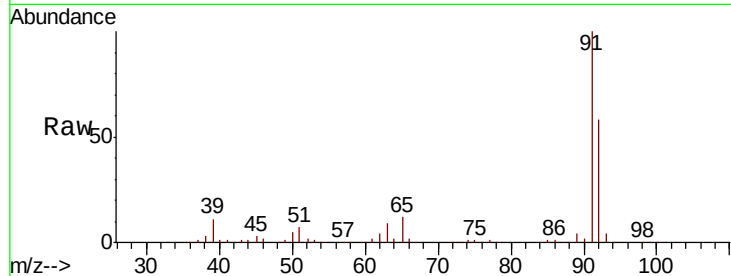
VSTD05095

Tot Ion: 91 Resp: 490786

Ion Ratio Lower Upper

91 100

92 57.9 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VV018961.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV018961.D (-1951) (-)

7.41

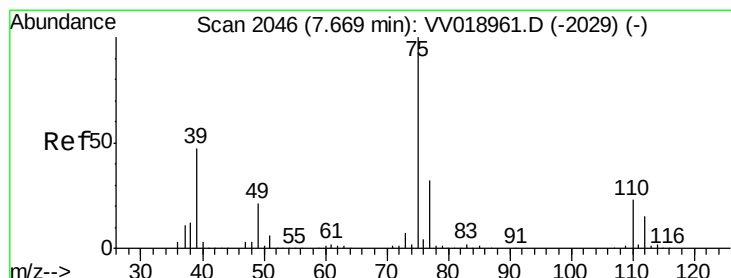
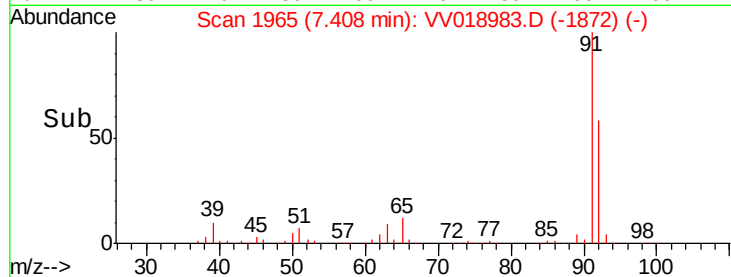
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.387 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018983.D

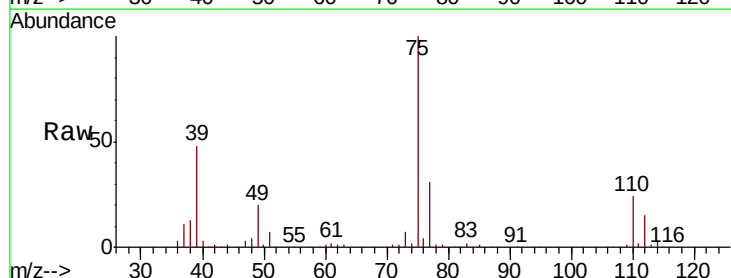
Acq: 19 Oct 2020 20:41

Tgt Ion: 75 Resp: 193923

Ion Ratio Lower Upper

75 100

77 31.0 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV018961.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV018961.D (-2029) (-)

7.67

120000

100000

80000

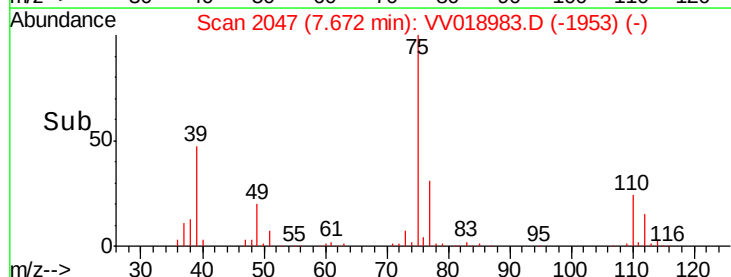
60000

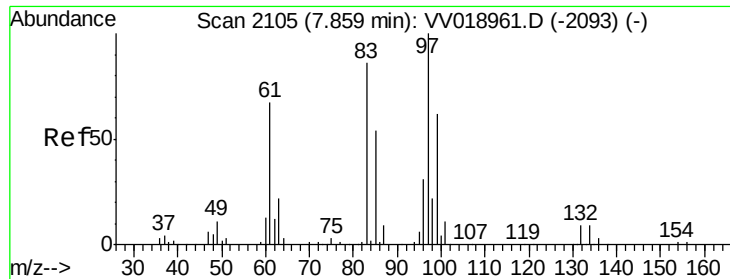
40000

20000

0

Time-->

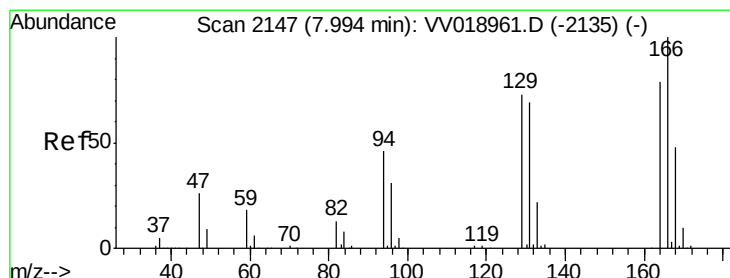
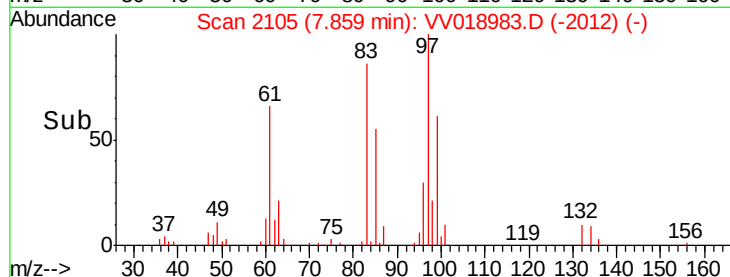
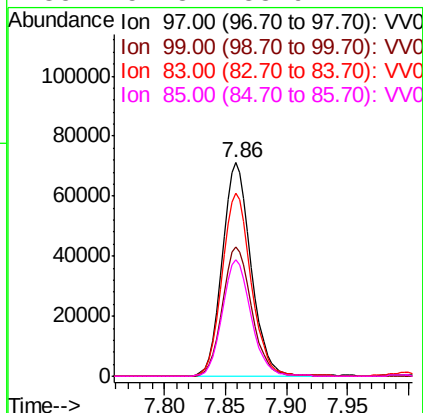
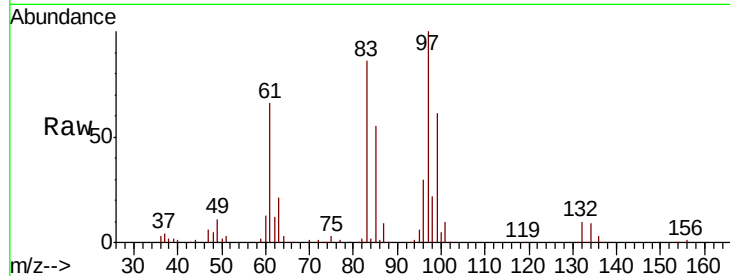




#45
 1,1,2-Trichloroethane
 Concen: 49.949 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018983.D
 Acq: 19 Oct 2020 20:41

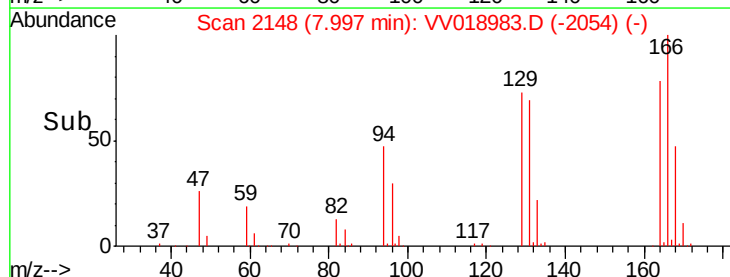
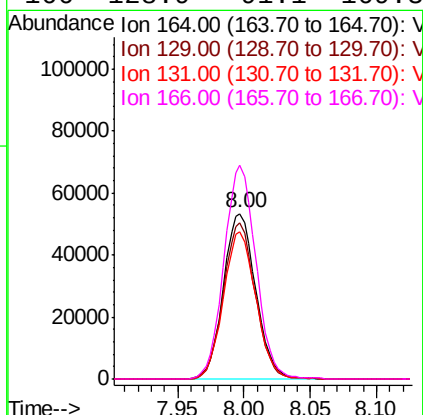
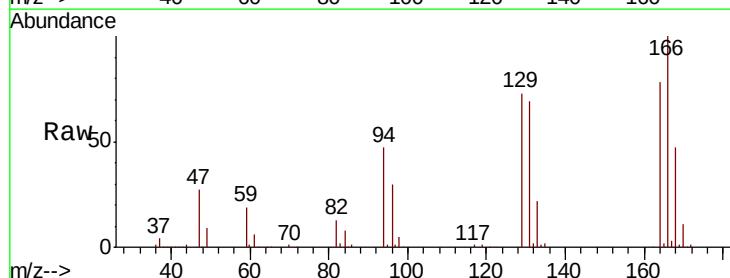
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

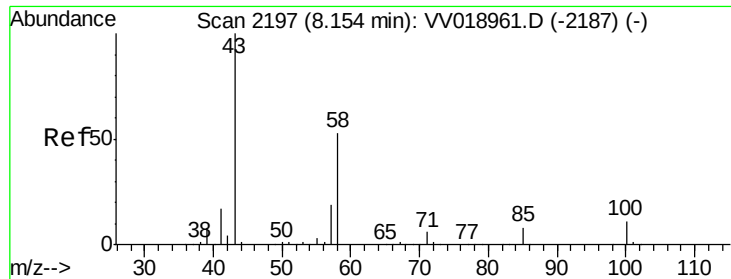
Tot Ion:	97	Resp:	118113
Ion	Ratio	Lower	Upper
97	100		
99	60.7	43.8	81.4
83	85.8	61.0	113.4
85	54.8	38.9	72.2



#46
 Tetrachloroethene
 Concen: 46.877 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018983.D
 Acq: 19 Oct 2020 20:41

Tgt Ion:	164	Resp:	90472
Ion	Ratio	Lower	Upper
164	100		
129	94.1	65.0	120.8
131	88.9	62.9	116.7
166	128.9	91.1	169.3

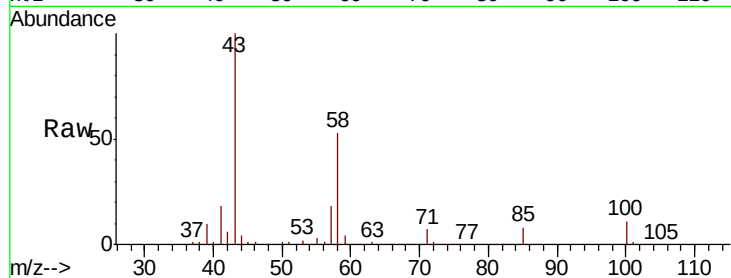




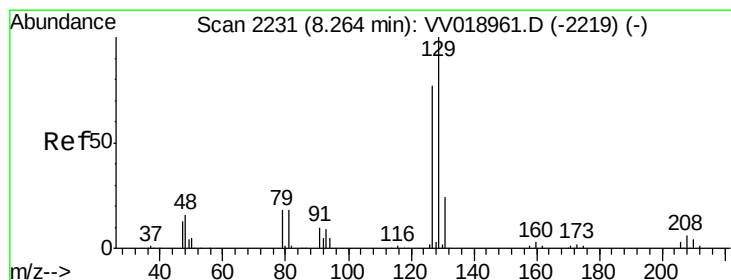
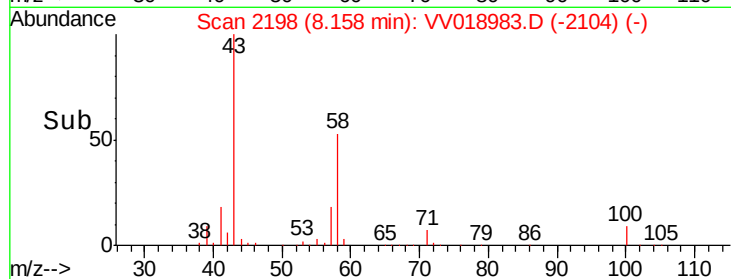
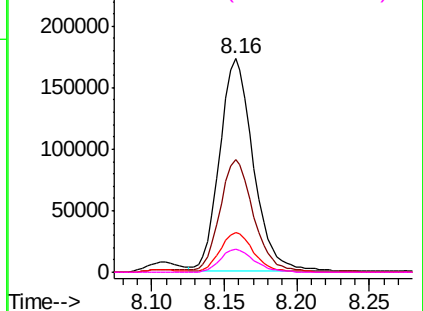
#48
2-Hexanone
Concen: 99.671 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018983.D
Acq: 19 Oct 2020 20:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

Tot Ion: 43 Resp: 277053
Ion Ratio Lower Upper
43 100
58 52.3 42.5 63.7
57 18.6 14.5 21.7
100 10.9 9.0 13.4

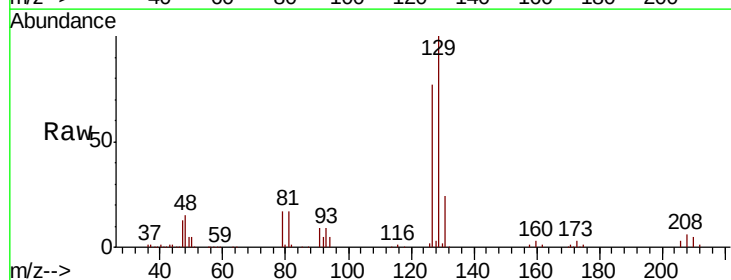


Abundance Ion 43.00 (42.70 to 43.70): VV018961.D (-2187) (-)
Ion 58.00 (57.70 to 58.70): VV018961.D (-2187) (-)
Ion 57.00 (56.70 to 57.70): VV018961.D (-2187) (-)
Ion 100.00 (99.70 to 100.70): VV018961.D (-2187) (-)

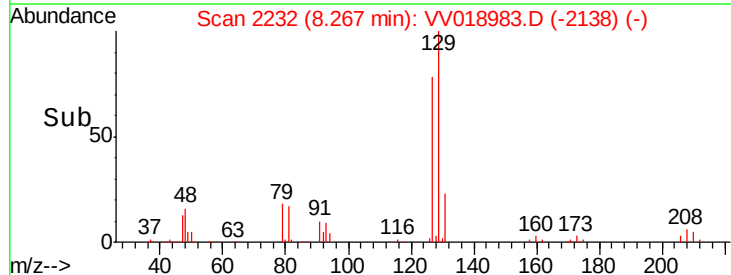
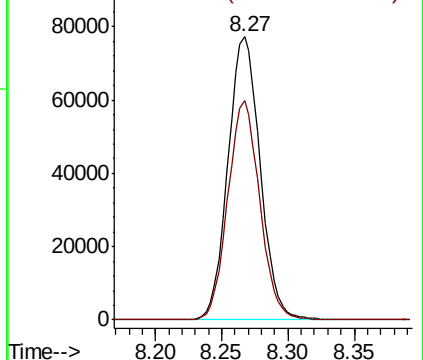


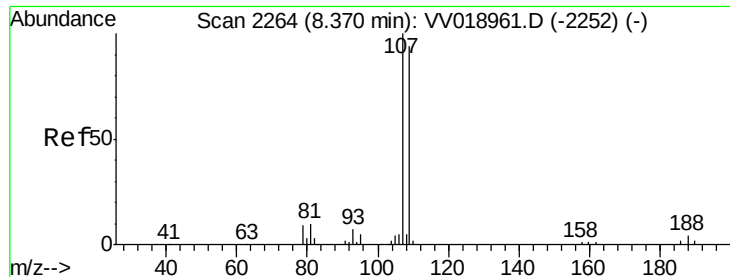
#49
Dibromochloromethane
Concen: 52.238 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018983.D
Acq: 19 Oct 2020 20:41

Tgt Ion: 129 Resp: 130777
Ion Ratio Lower Upper
129 100
127 77.5 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): VV018961.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV018961.D (-2219) (-)

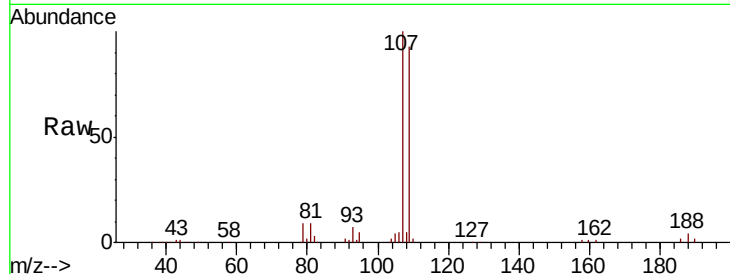




#50
 1,2-Dibromoethane
 Concen: 49.161 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018983.D
 Acq: 19 Oct 2020 20:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	65.8	122.2
188	4.3	3.2	4.8

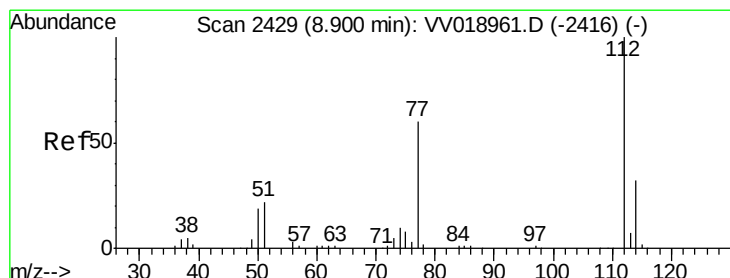
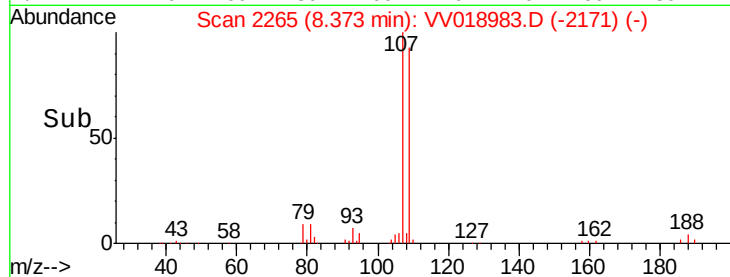
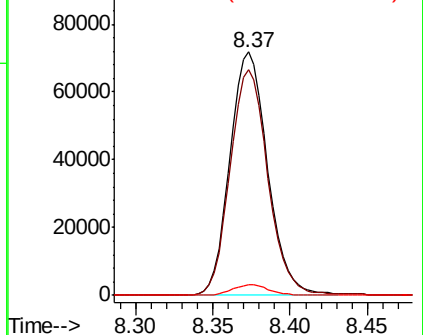


Abundance

Ion 107.00 (106.70 to 107.70): V

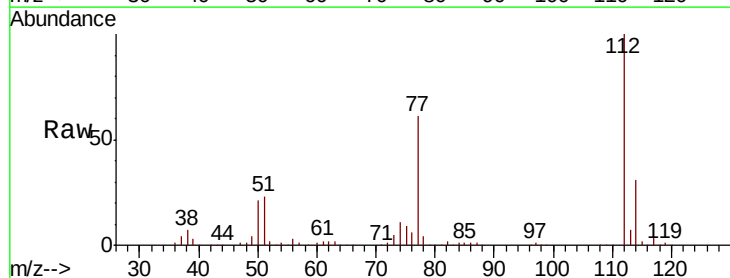
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 49.251 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV018983.D
 Acq: 19 Oct 2020 20:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	21.8	40.6
77	60.9	49.2	73.8

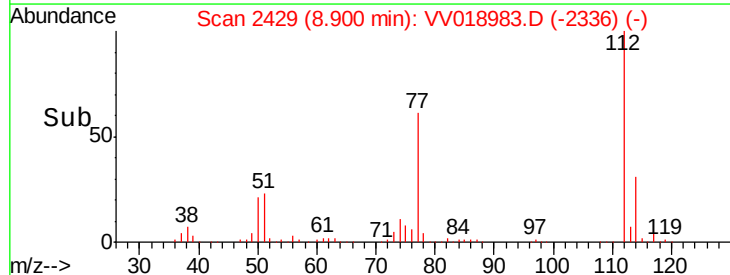
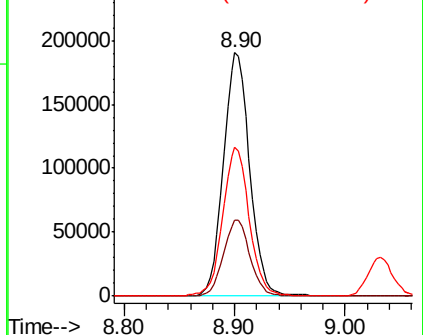


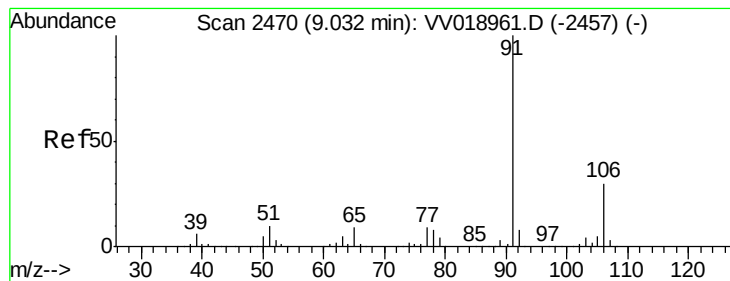
Abundance

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): VV0





#52

Ethylbenzene

Concen: 50.439 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

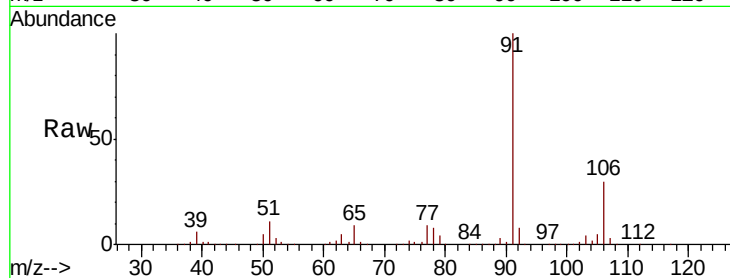
VSTD05095

Tot Ion: 91 Resp: 535538

Ion Ratio Lower Upper

91 100

106 30.0 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV018961.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV018983.D (-2377) (-)

9.03

300000

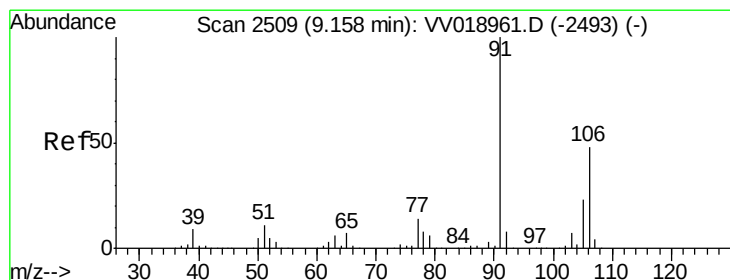
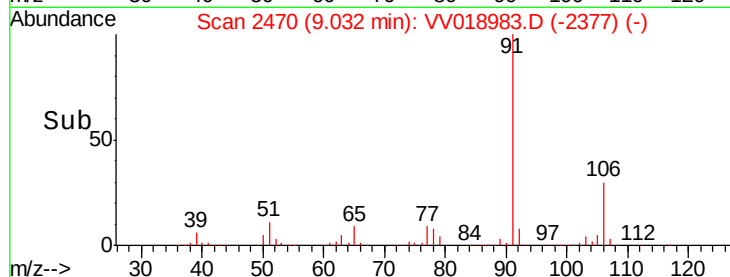
200000

100000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 49.786 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018983.D

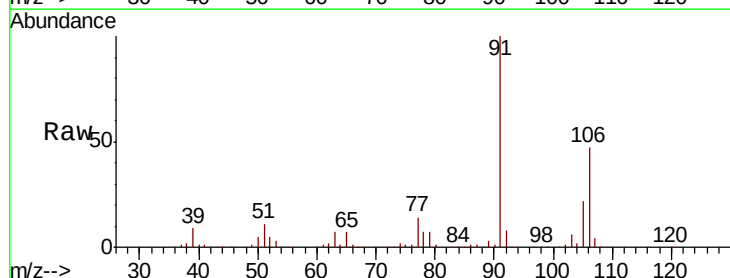
Acq: 19 Oct 2020 20:41

Tgt Ion: 106 Resp: 196937

Ion Ratio Lower Upper

106 100

91 212.0 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VV018983.D (-2377) (-)

Ion 91.00 (90.70 to 91.70): VV018961.D (-2457) (-)

9.16

300000

250000

200000

150000

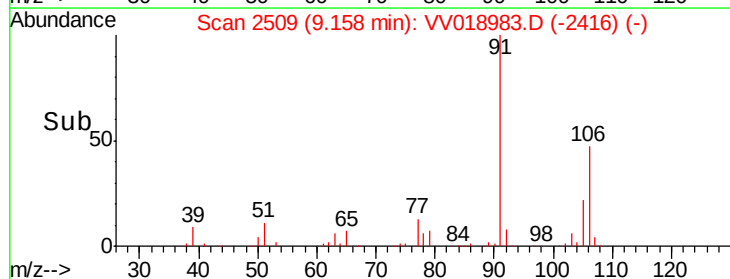
100000

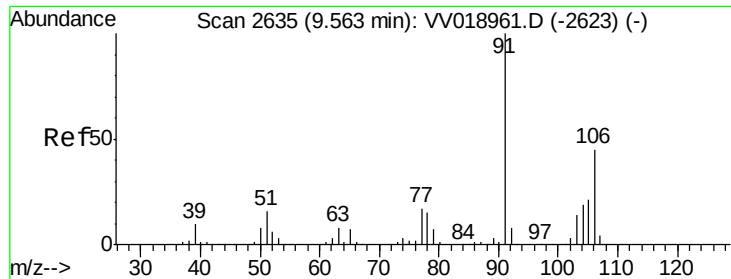
50000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 51.516 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

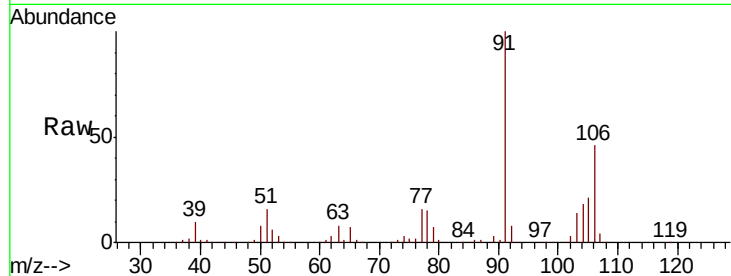
VSTD05095

Tot Ion:106 Resp: 194956

Ion Ratio Lower Upper

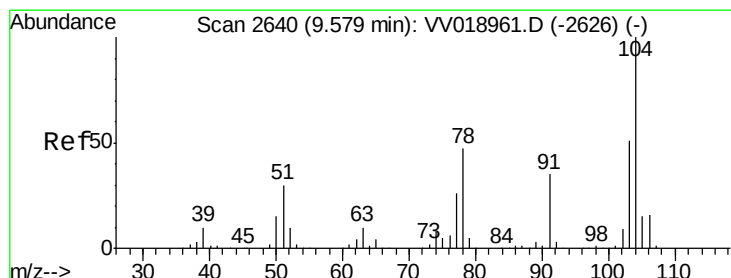
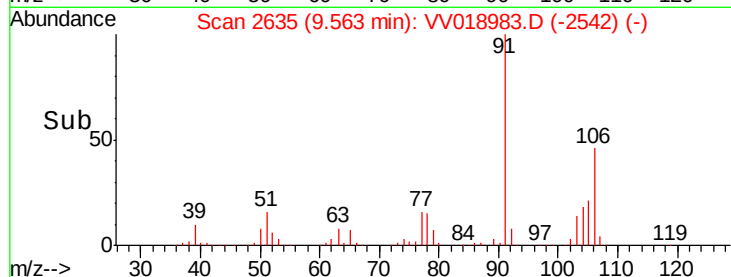
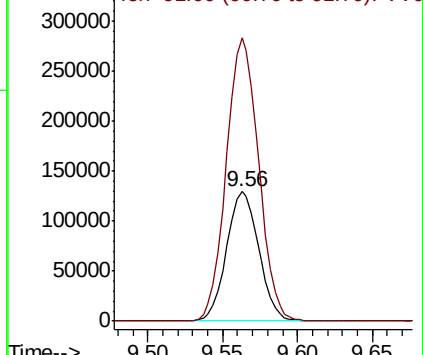
106 100

91 218.2 155.8 289.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.462 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018983.D

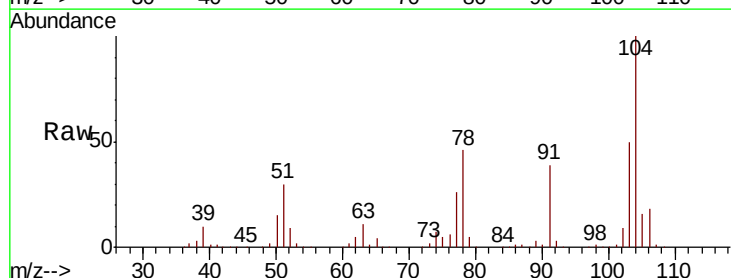
Acq: 19 Oct 2020 20:41

Tgt Ion:104 Resp: 349210

Ion Ratio Lower Upper

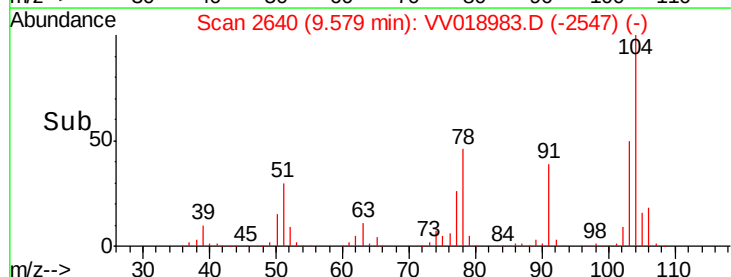
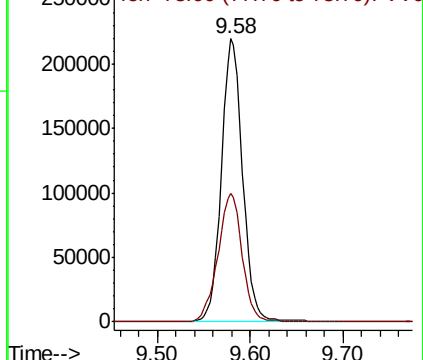
104 100

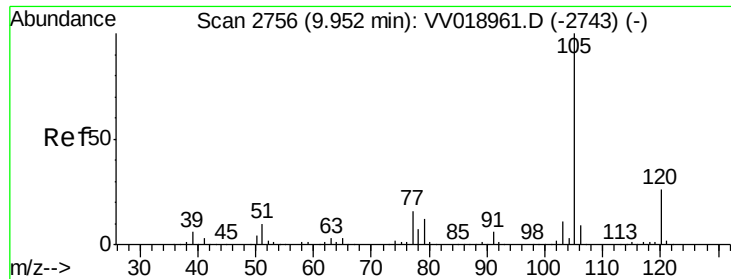
78 45.6 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.677 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

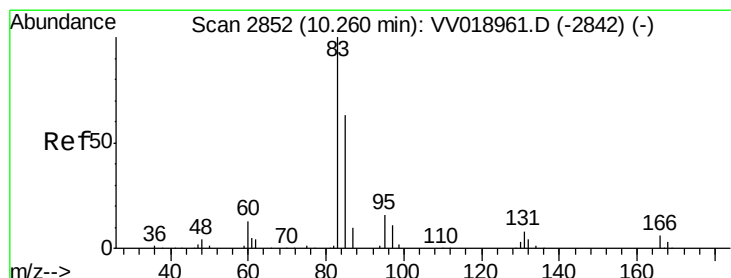
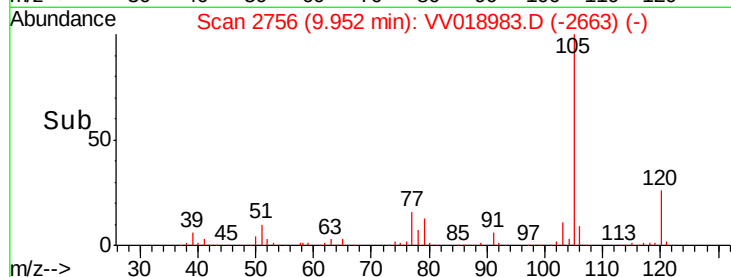
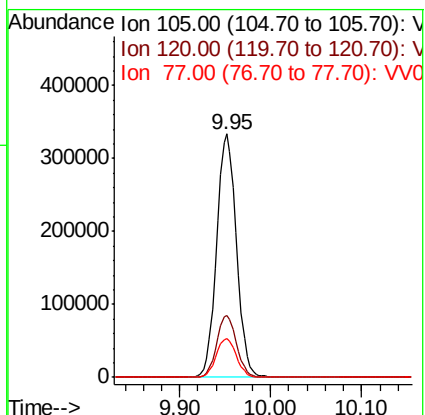
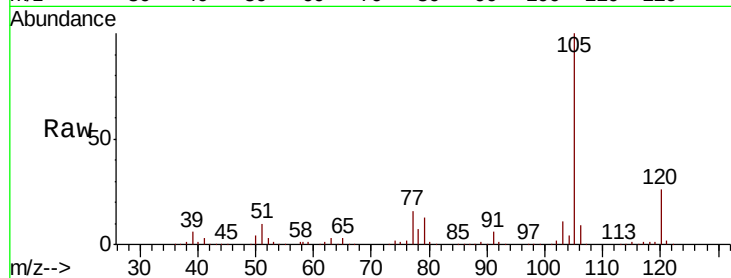
Tot Ion:105 Resp: 503473

Ion Ratio Lower Upper

105 100

120 25.5 20.4 30.6

77 16.4 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 50.811 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

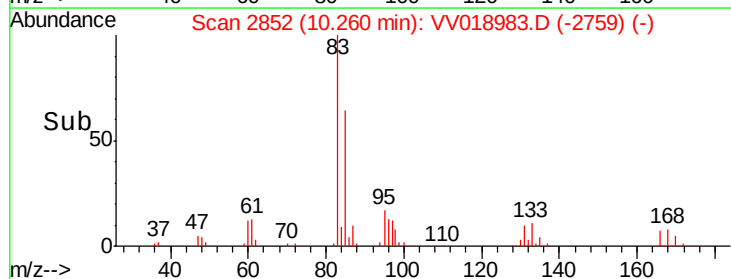
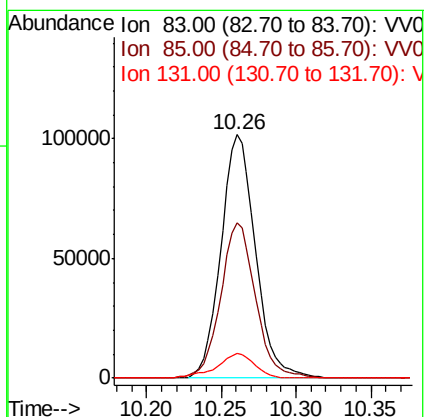
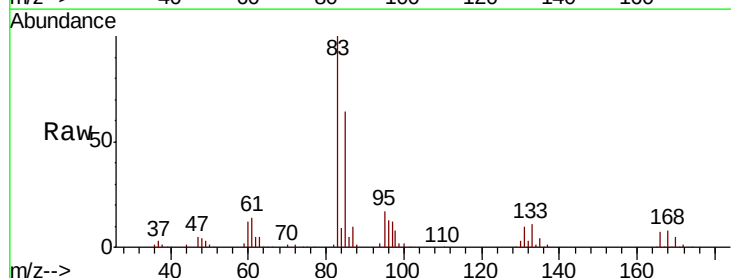
Tgt Ion: 83 Resp: 163148

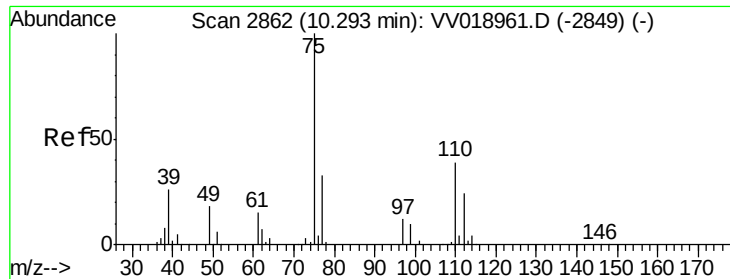
Ion Ratio Lower Upper

83 100

85 63.8 44.7 82.9

131 9.9 7.7 11.5





#59

1,2,3-Trichloropropane

Concen: 50.080 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

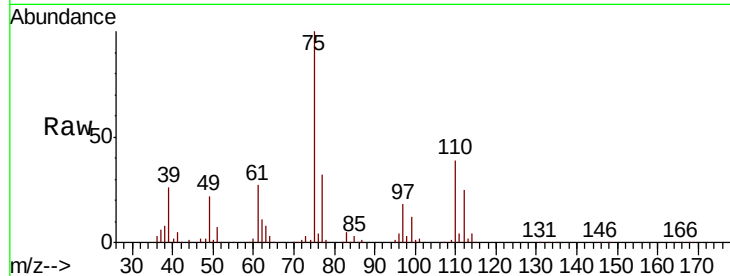
VSTD05095

Tot Ion: 75 Resp: 154108

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV018961.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV018961.D (-2849) (-)

10.29

100000

80000

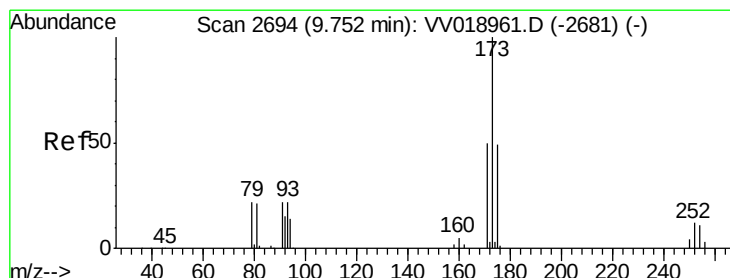
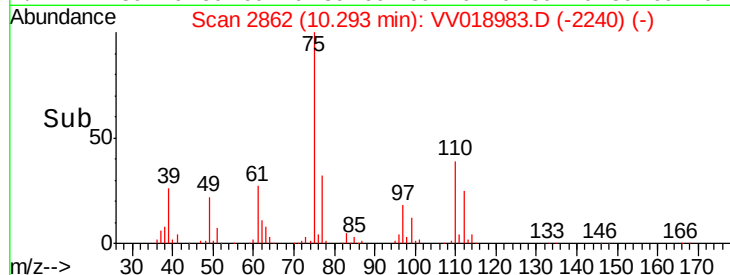
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 51.112 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

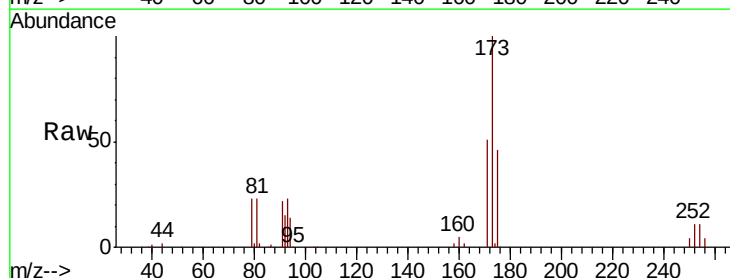
Tgt Ion: 173 Resp: 93858

Ion Ratio Lower Upper

173 100

175 47.3 38.2 57.2

254 10.5 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): VV018961.D (-2681) (-)

Ion 175.00 (174.70 to 175.70): VV018961.D (-2681) (-)

Ion 254.00 (253.70 to 254.70): VV018961.D (-2681) (-)

9.75

80000

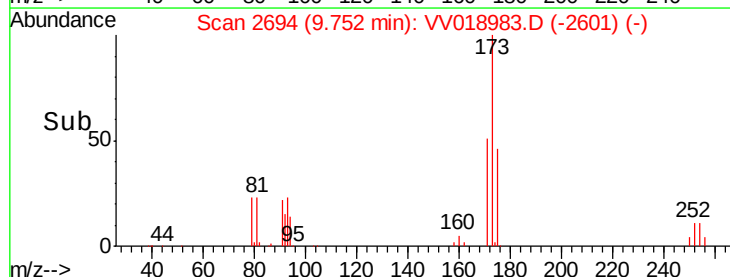
60000

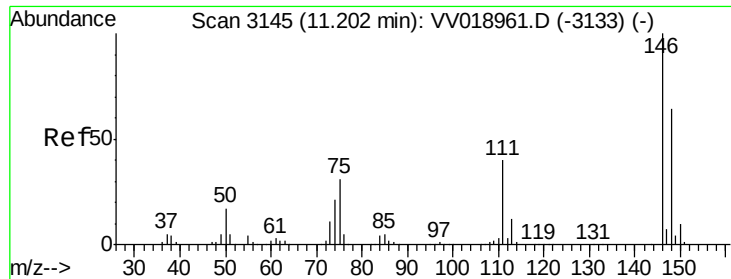
40000

20000

0

Time--> 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 48.015 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

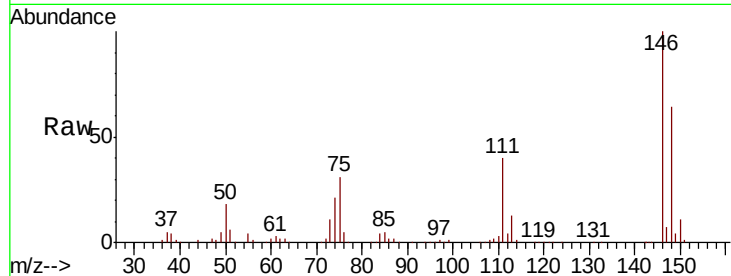
Tot Ion:146 Resp: 250215

Ion Ratio Lower Upper

146 100

111 39.7 28.3 52.7

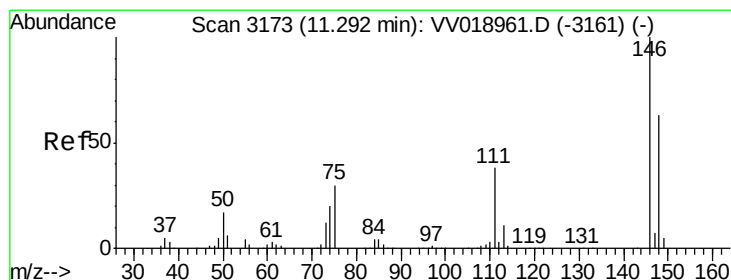
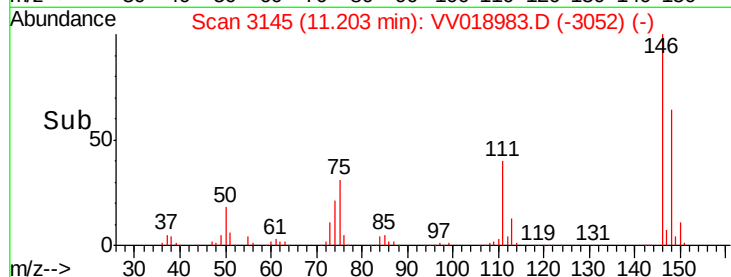
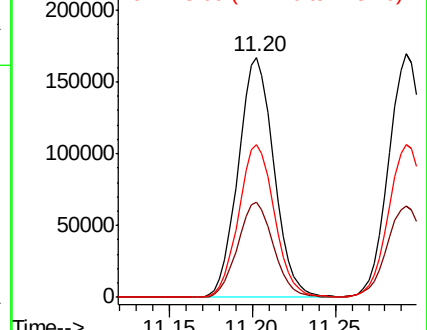
148 63.8 45.1 83.7



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: 47.263 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

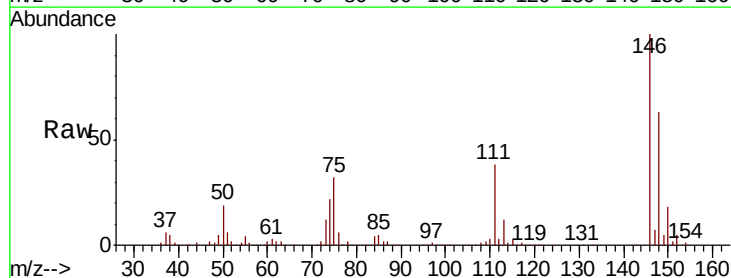
Tgt Ion:146 Resp: 258945

Ion Ratio Lower Upper

146 100

111 37.7 27.5 51.1

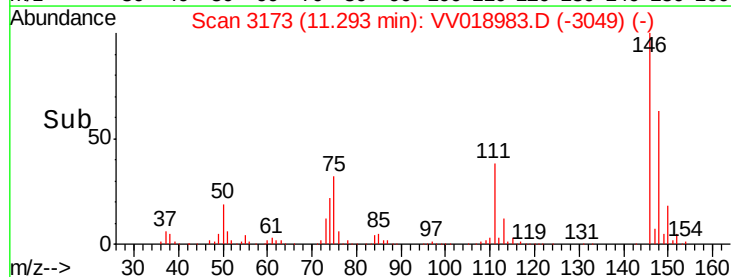
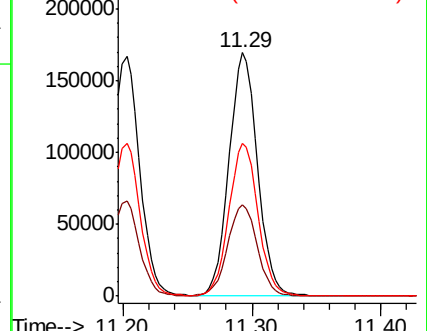
148 62.9 44.1 81.9

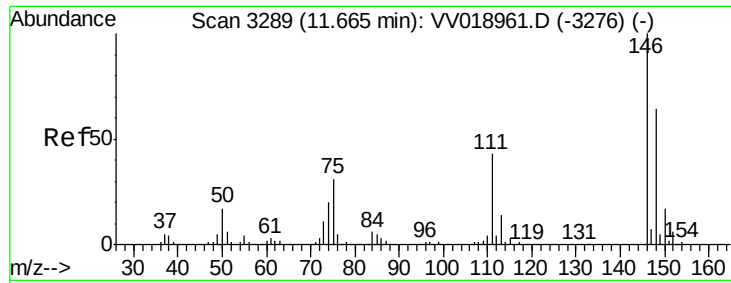


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.119 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

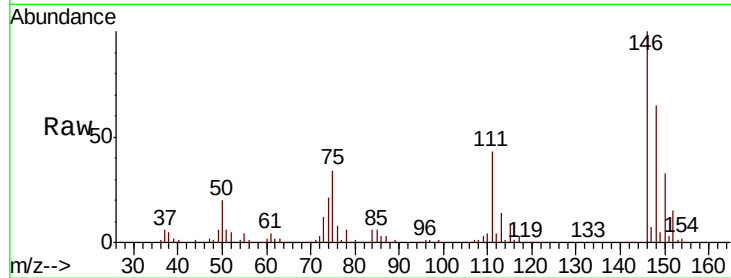
Tot Ion:146 Resp: 252994

Ion Ratio Lower Upper

146 100

111 42.5 33.9 50.9

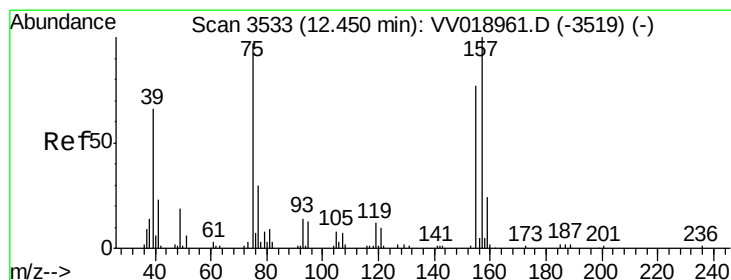
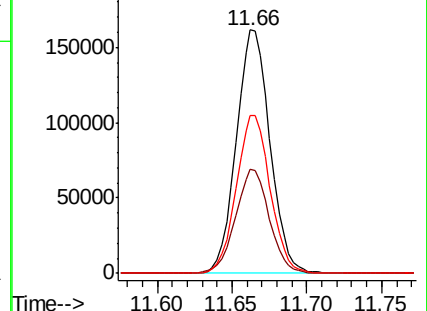
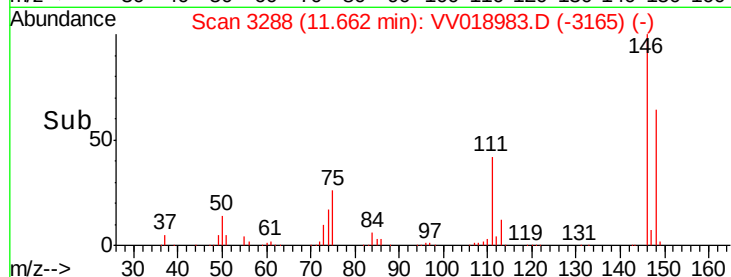
148 64.9 49.8 74.8



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: 47.968 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

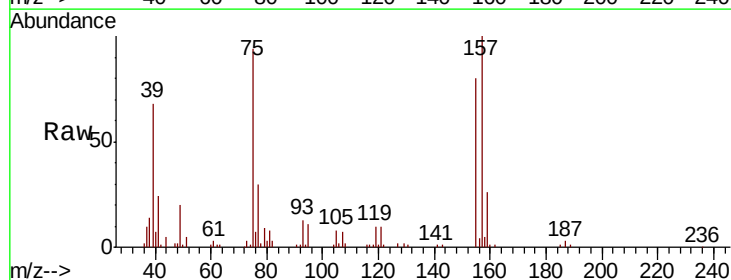
Tgt Ion: 75 Resp: 37584

Ion Ratio Lower Upper

75 100

155 84.6 65.7 98.5

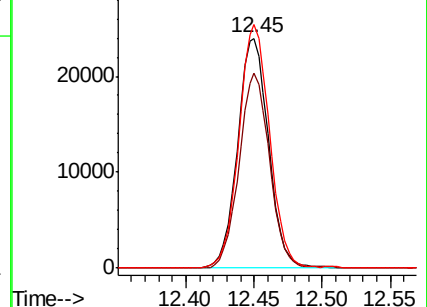
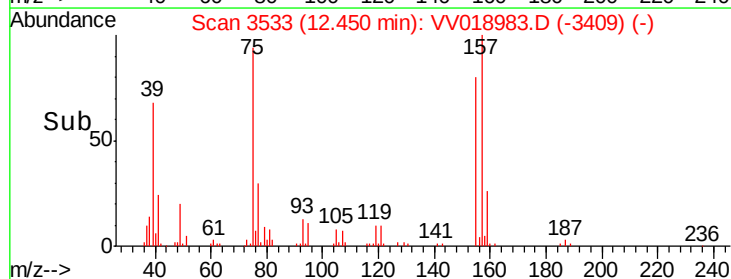
157 105.9 83.0 124.4

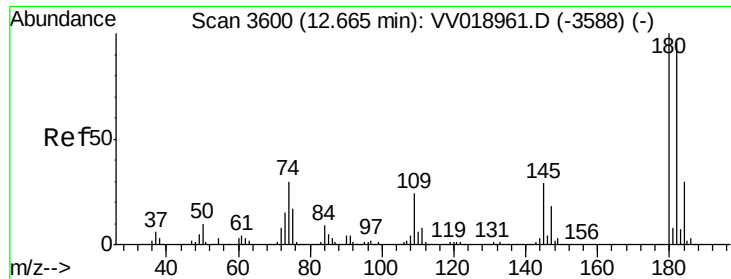


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

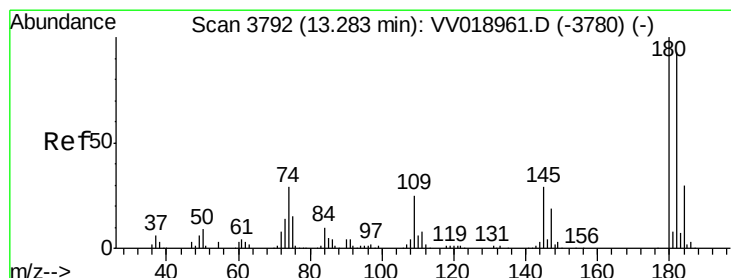
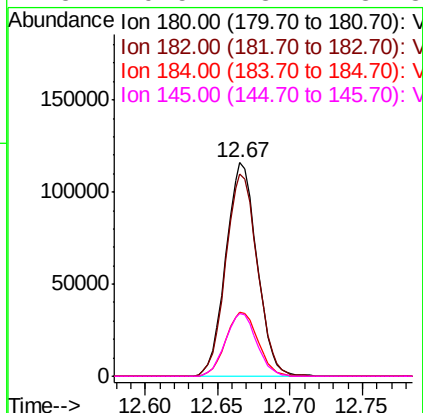
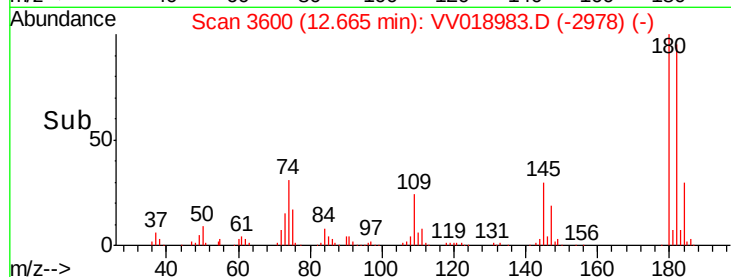
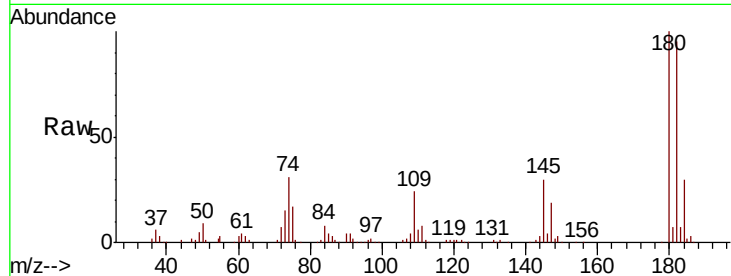




#67
 1,3,5-Trichlorobenzene
 Concen: 49.367 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018983.D
 Acq: 19 Oct 2020 20:41

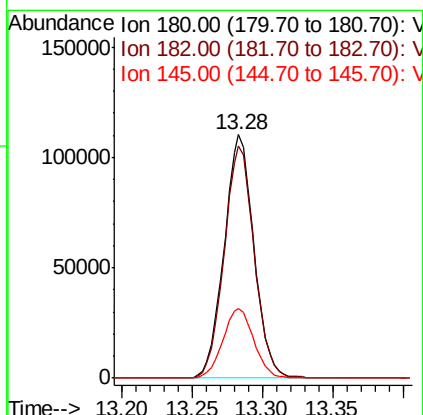
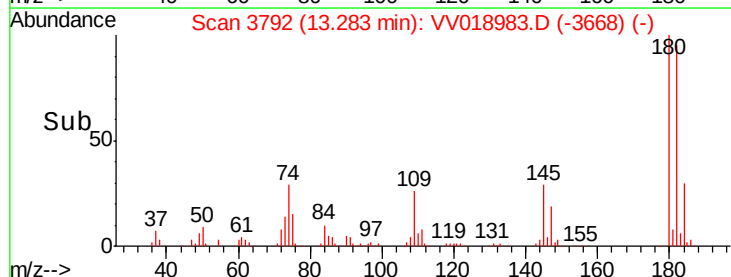
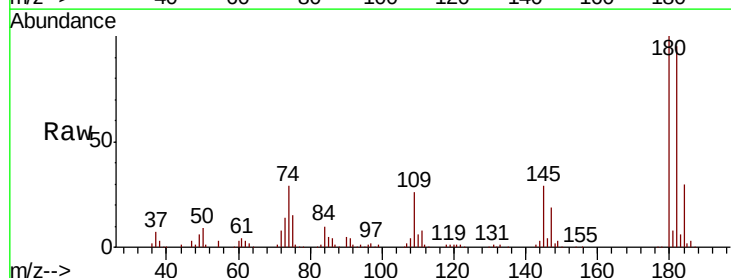
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

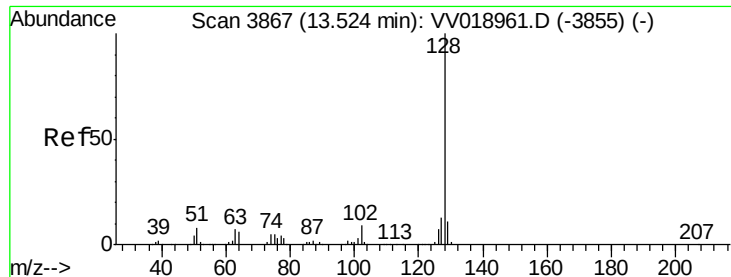
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.8	113.8
184	31.0	24.9	37.3
145	29.5	23.2	34.8



#68
 1,2,4-trichlorobenzene
 Concen: 50.406 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018983.D
 Acq: 19 Oct 2020 20:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.5	114.7
145	29.5	23.7	35.5





#69

Naphthalene

Concen: 52.891 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

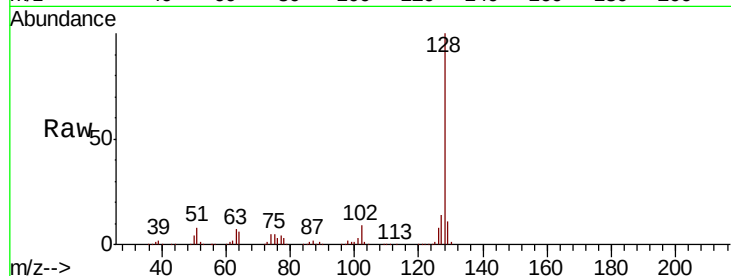
Tot Ion:128 Resp: 484173

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

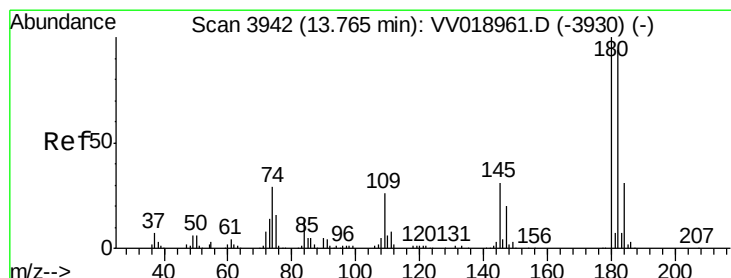
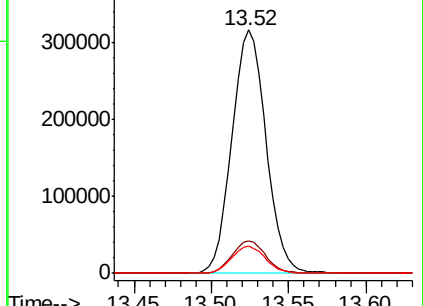
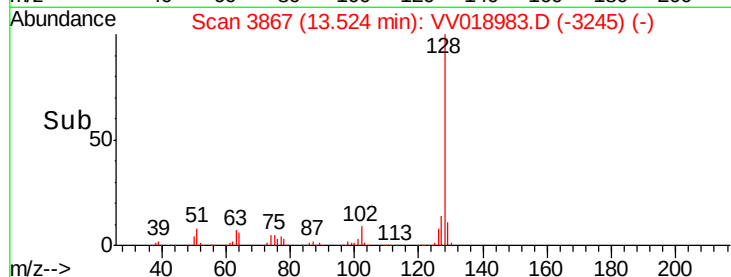
129 11.0 8.9 13.3



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: 51.980 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV018983.D

Acq: 19 Oct 2020 20:41

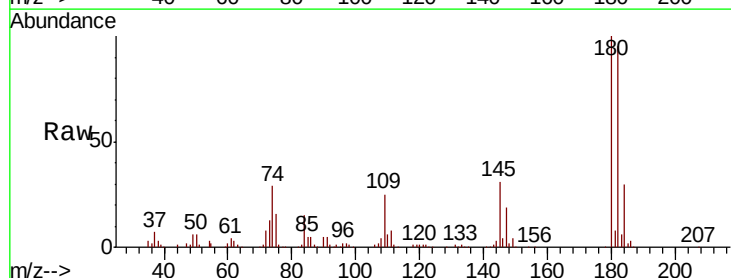
Tgt Ion:180 Resp: 167599

Ion Ratio Lower Upper

180 100

182 94.6 76.8 115.2

145 31.4 25.4 38.0



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

