

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102220\
 Data File : VV019084.D
 Acq On : 22 Oct 2020 21:45
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Quant Time: Oct 23 06:34:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 13:54:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	305823	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	299778	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	157031	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	124902	44.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.92%
7) Chloroethane-d5	1.58	69	102335	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.52%
11) 1,1-Dichloroethene-d2	2.12	63	245937	47.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.52%
21) 2-Butanone-d5	3.92	46	185526	99.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.29%
24) Chloroform-d	4.38	84	229766	47.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.56%
26) 1,2-Dichloroethane-d4	5.06	65	156608	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
32) Benzene-d6	5.07	84	437030	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
36) 1,2-Dichloropropane-d6	6.09	67	141581	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.32%
41) Toluene-d8	7.34	98	394379	48.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.18%
43) trans-1,3-Dichloropropene-	7.64	79	71882	47.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.46%
47) 2-Hexanone-d5	8.11	63	130320	100.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.91%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	188995	47.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	156233	47.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	114776	48.182	ug/L 100
3) Chloromethane	1.25	50	143396	48.403	ug/L 100
5) Vinyl chloride	1.32	62	143492	49.167	ug/L 98
6) Bromomethane	1.53	94	83404	49.945	ug/L 98
8) Chloroethane	1.60	64	89059	48.661	ug/L 99
9) Trichlorofluoromethane	1.77	101	190332	49.581	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	97818	47.913	ug/L 99
12) 1,1-Dichloroethene	2.13	96	98940	48.438	ug/L 96
13) Acetone	2.20	43	120512	95.161	ug/L 99
14) Carbon disulfide	2.31	76	321498	47.739	ug/L 100
15) Methyl Acetate	2.45	43	132993	49.974	ug/L 99
16) Methylene chloride	2.52	84	114546	48.113	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	105741	48.988	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	350452	50.067	ug/L 99
19) 1,1-Dichloroethane	3.21	63	214540	49.228	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	114731	49.707	ug/L 99
22) 2-Butanone	4.00	43	177559	102.278	ug/L 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102220\
 Data File : VV019084.D
 Acq On : 22 Oct 2020 21:45
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Quant Time: Oct 23 06:34:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 13:54:49 2020
 Response via : Initial Calibration

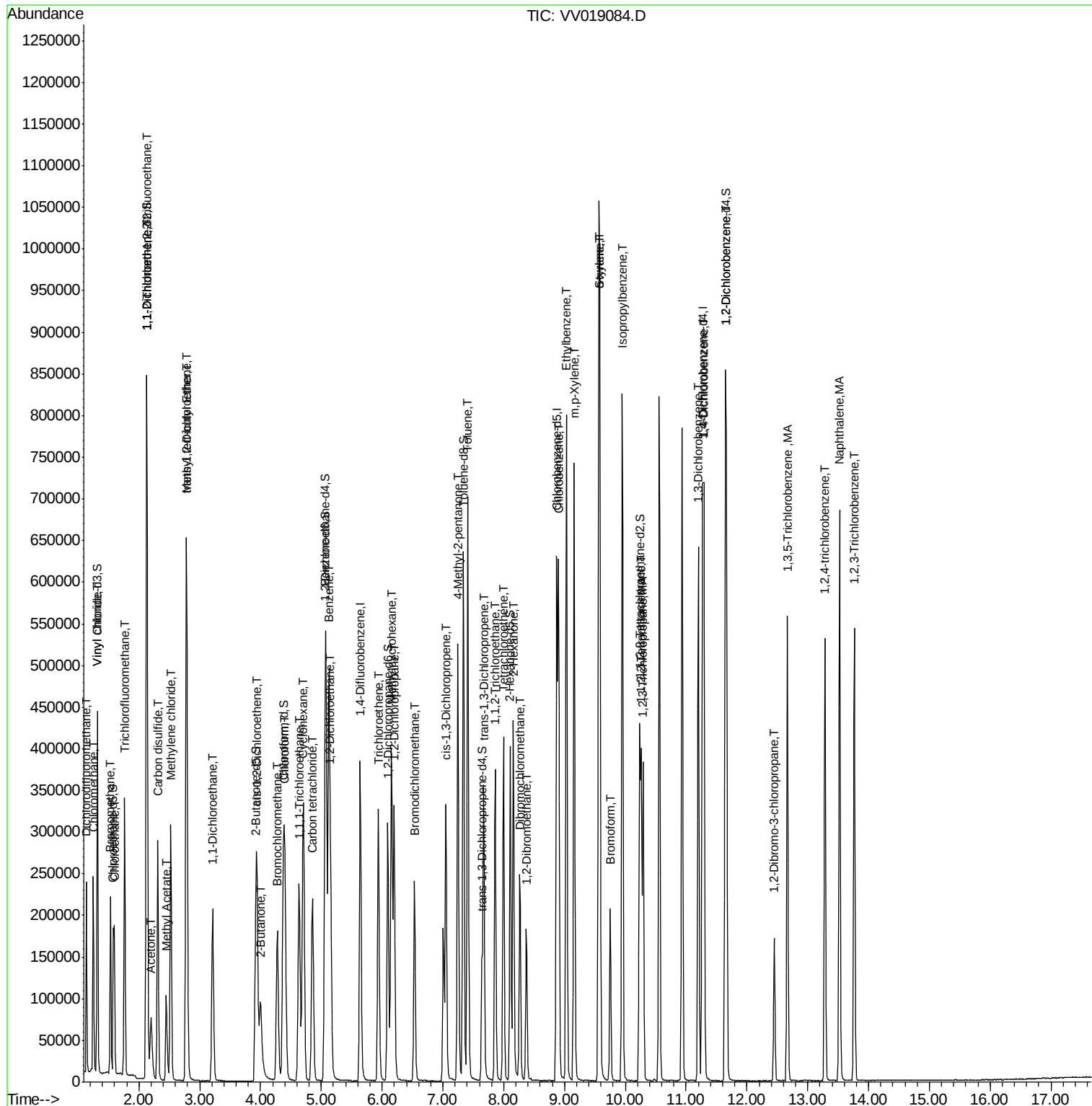
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	59057	50.263	ug/L	94
25) Chloroform	4.40	83	210590	49.052	ug/L	97
27) 1,2-Dichloroethane	5.15	62	176170	49.445	ug/L	99
29) Cyclohexane	4.70	56	181920	50.699	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	185529	49.707	ug/L	99
31) Carbon tetrachloride	4.86	117	161159	49.529	ug/L	100
33) Benzene	5.13	78	455568	49.642	ug/L	100
34) Trichloroethene	5.94	95	113290	48.852	ug/L	98
35) Methylcyclohexane	6.15	83	155522	49.015	ug/L	100
37) 1,2-Dichloropropane	6.20	63	123002	48.685	ug/L	99
38) Bromodichloromethane	6.53	83	157707	49.334	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	183721	49.204	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	356059	104.462	ug/L	99
42) Toluene	7.41	91	479516	50.905	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	188165	50.797	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	107907	48.358	ug/L	98
46) Tetrachloroethene	8.00	164	87915	49.401	ug/L	99
48) 2-Hexanone	8.16	43	273379	103.939	ug/L	99
49) Dibromochloromethane	8.27	129	120484	49.399	ug/L	100
50) 1,2-Dibromoethane	8.37	107	113469	49.001	ug/L	100
51) Chlorobenzene	8.90	112	299125	49.511	ug/L	99
52) Ethylbenzene	9.03	91	524120	51.454	ug/L	100
53) m,p-Xylene	9.16	106	192245	51.555	ug/L	96
54) o-xylene	9.56	106	187308	52.170	ug/L	99
55) Styrene	9.58	104	335308	52.649	ug/L	98
56) Isopropylbenzene	9.95	105	496695	52.613	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	178558	48.631	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	144692	48.979	ug/L	99
61) Bromoform	9.75	173	88575	50.086	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	237199	50.335	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	245273	49.810	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	236993	49.879	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	41275	49.170	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	158811	49.354	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	150855	49.717	ug/L	99
69) Naphthalene	13.52	128	493931	52.832	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	155717	50.650	ug/L	99

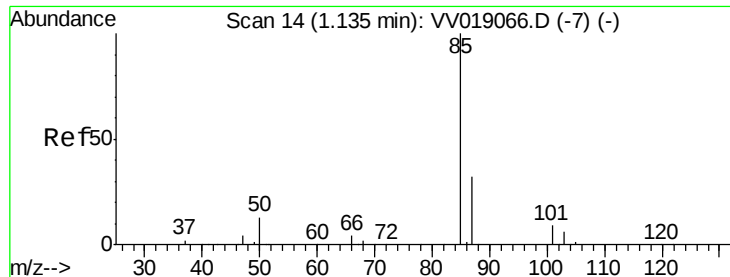
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV102220\
Data File : VV019084.D
Acq On : 22 Oct 2020 21:45
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Quant Time: Oct 23 06:34:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 22 13:54:49 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 48.182 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

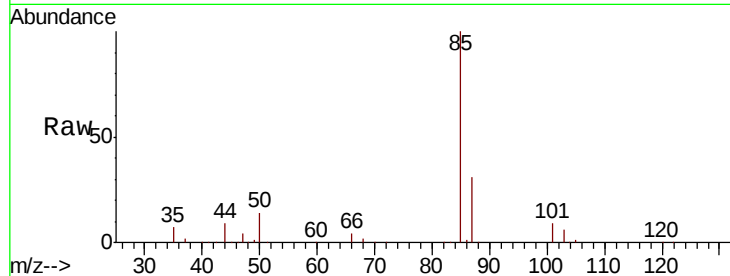
VSTD05070

Tot Ion: 85 Resp: 114776

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV019084.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019084.D (-1) (-)

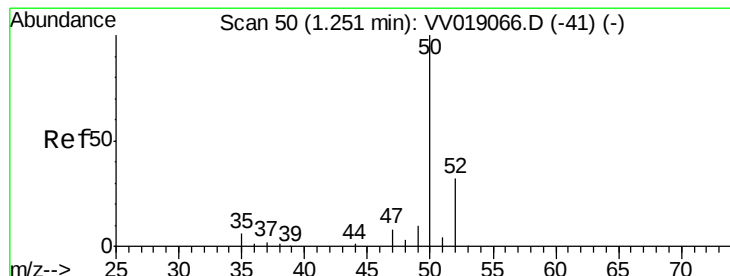
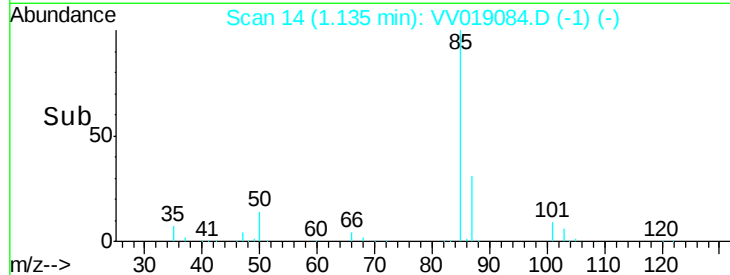
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.403 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV019084.D

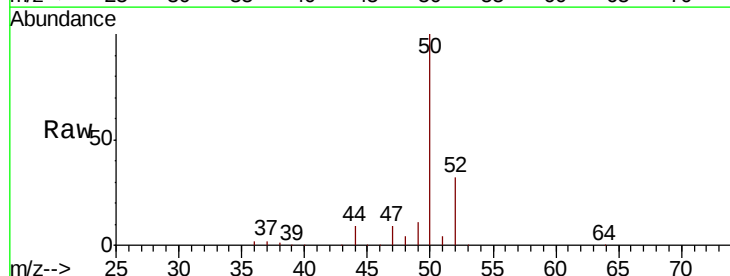
Acq: 22 Oct 2020 21:45

Tgt Ion: 50 Resp: 143396

Ion Ratio Lower Upper

50 100

52 32.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV019084.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019084.D (-1) (-)

1.25

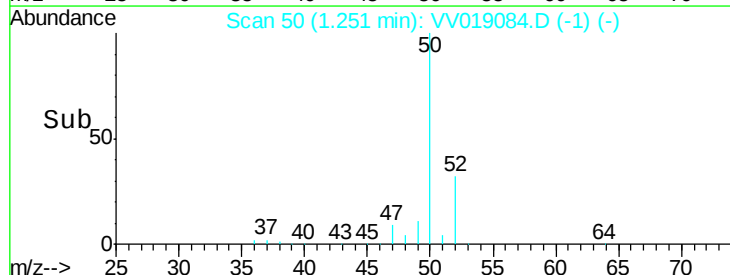
150000

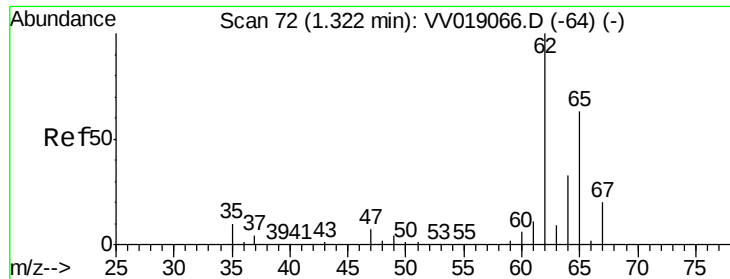
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.167 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

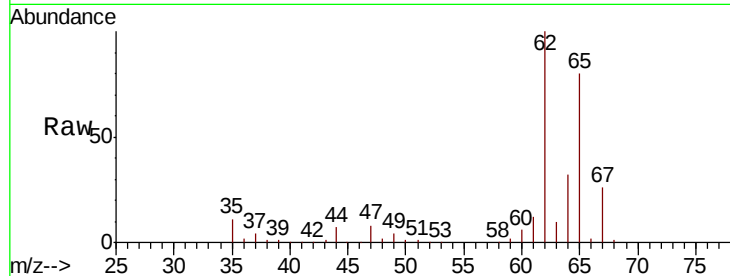
VSTD05070

Tot Ion: 62 Resp: 143492

Ion Ratio Lower Upper

62 100

64 31.8 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

150000

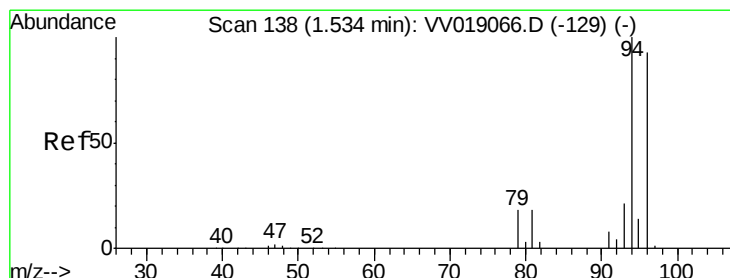
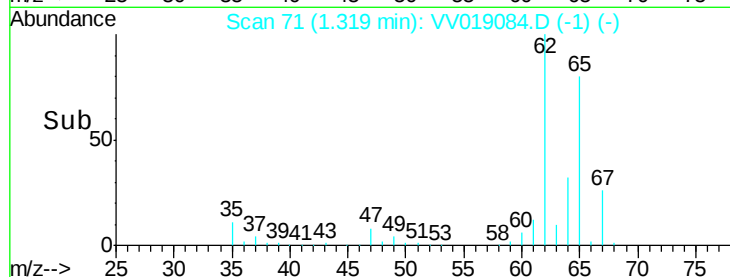
100000

50000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 49.945 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019084.D

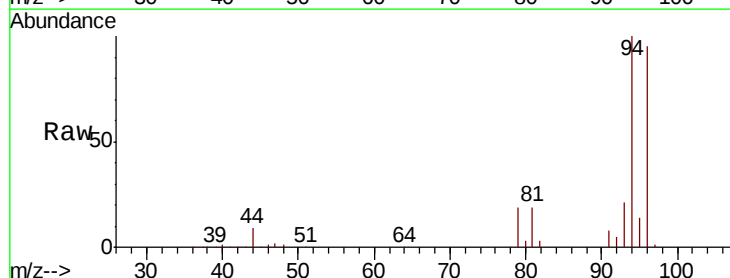
Acq: 22 Oct 2020 21:45

Tgt Ion: 94 Resp: 83404

Ion Ratio Lower Upper

94 100

96 94.8 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

60000

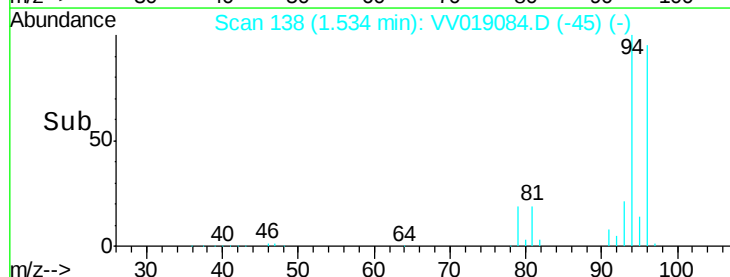
40000

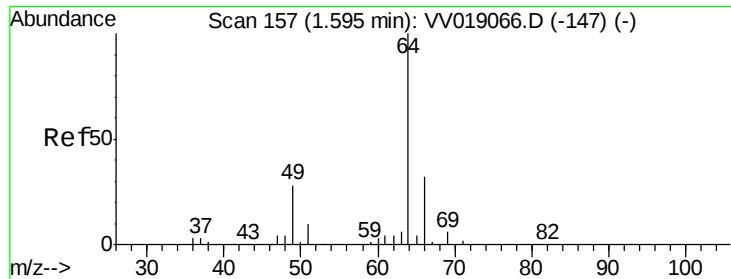
20000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 48.661 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

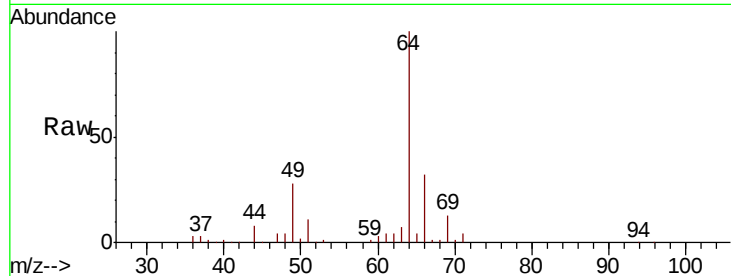
VSTD05070

Tot Ion: 64 Resp: 89059

Ion Ratio Lower Upper

64 100

66 31.9 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV019066.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV019066.D (-147) (-)

1.60

80000

60000

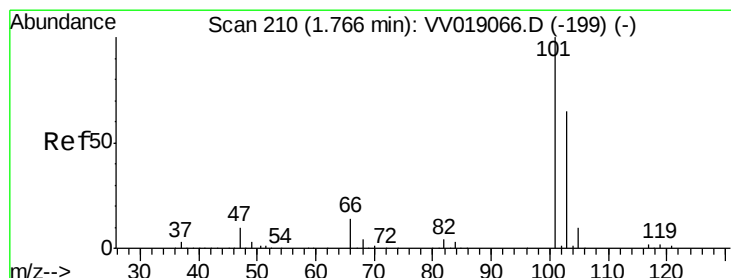
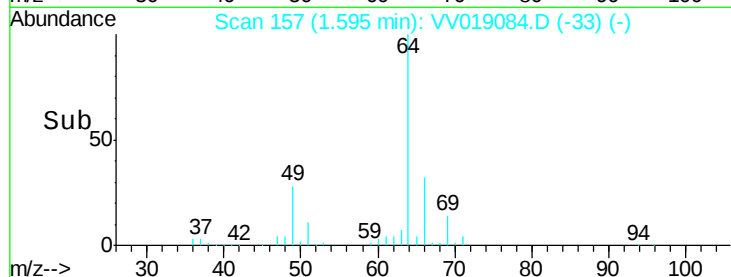
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 49.581 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV019084.D

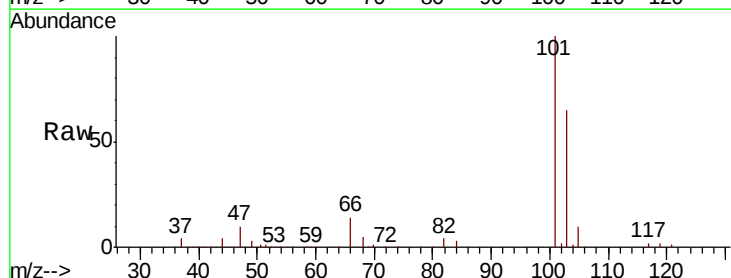
Acq: 22 Oct 2020 21:45

Tgt Ion: 101 Resp: 190332

Ion Ratio Lower Upper

101 100

103 64.8 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV019066.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV019066.D (-199) (-)

1.77

150000

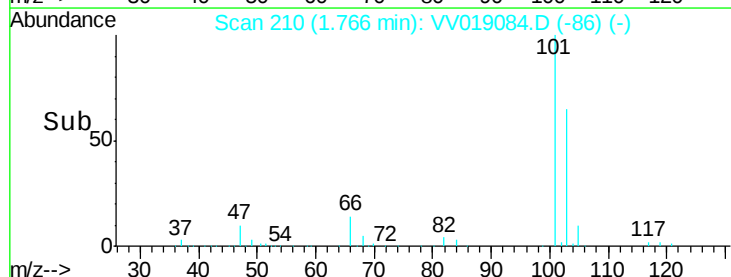
100000

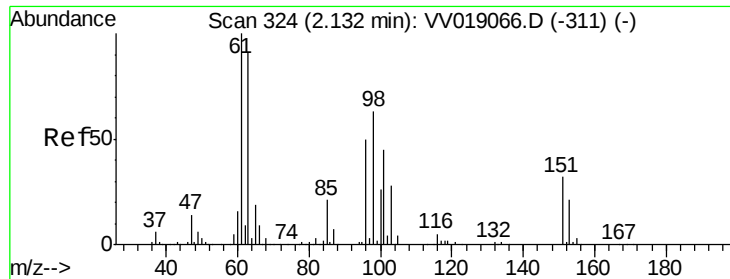
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 47.913 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

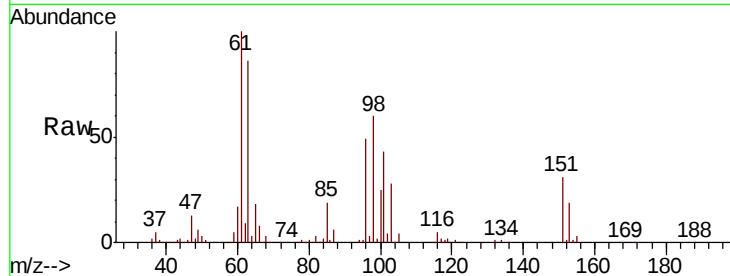
Tot Ion:101 Resp: 97818

Ion Ratio Lower Upper

101 100

85 45.5 36.9 55.3

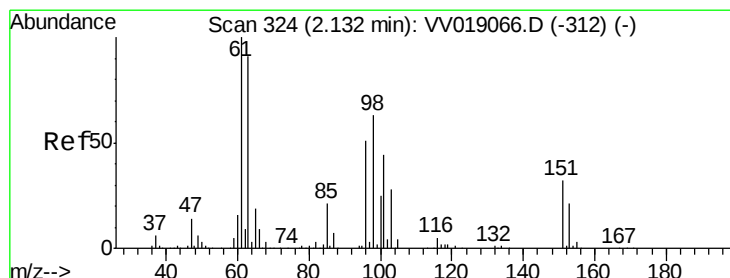
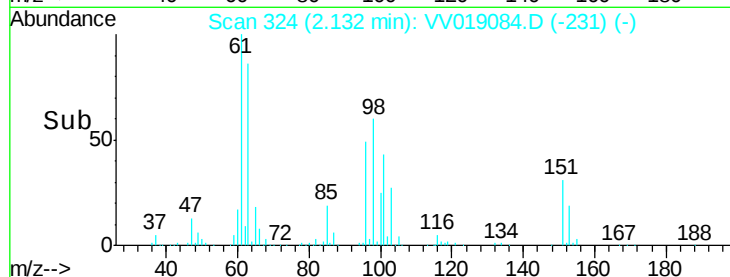
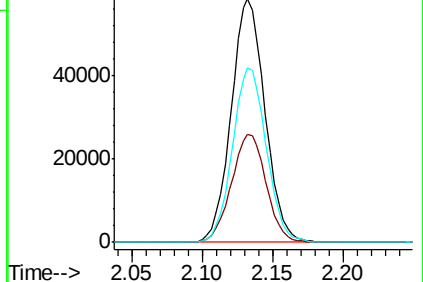
151 71.9 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): VV019066.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV019066.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV019066.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 48.438 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

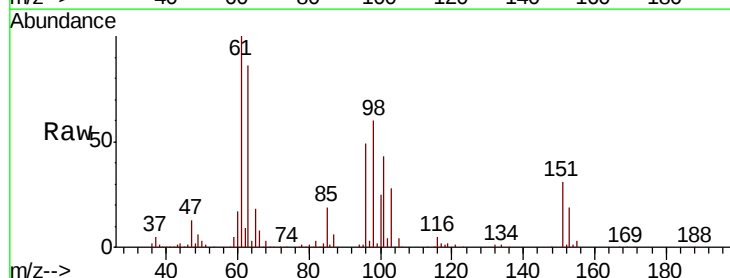
Tgt Ion: 96 Resp: 98940

Ion Ratio Lower Upper

96 100

61 202.5 138.7 257.7

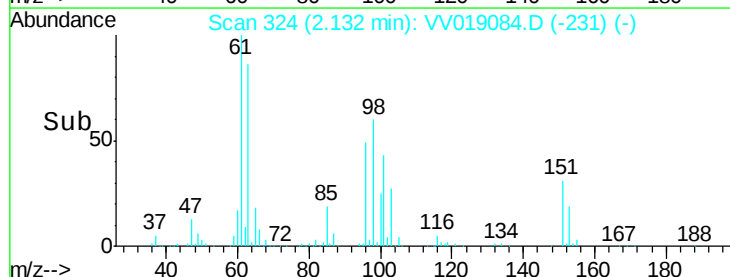
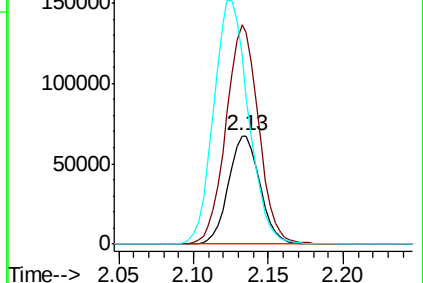
63 173.7 126.3 234.6

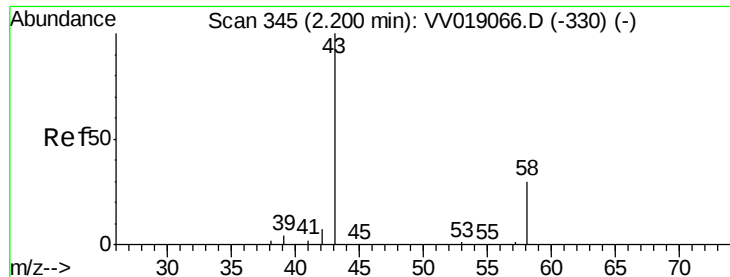


Abundance Ion 96.00 (95.70 to 96.70): VV019066.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV019066.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV019066.D (-312) (-)





#13

Acetone

Concen: 95.161 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

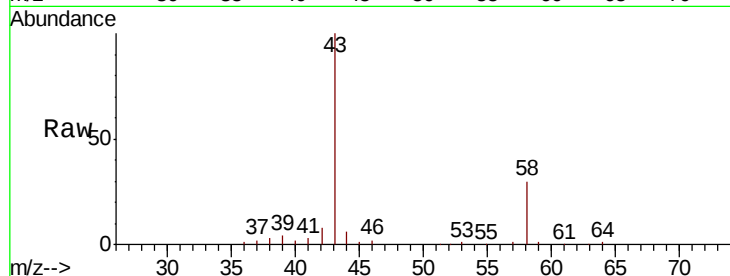
VSTD05070

Tot Ion: 43 Resp: 120512

Ion Ratio Lower Upper

43 100

58 29.8 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.20

50000

40000

30000

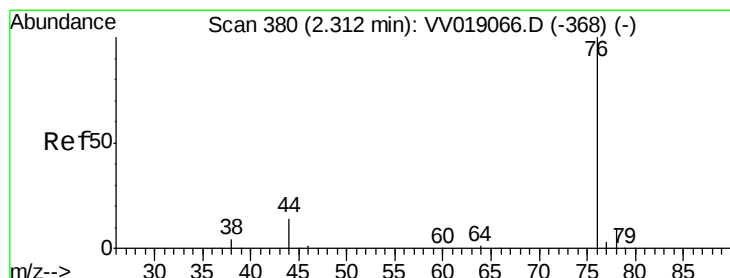
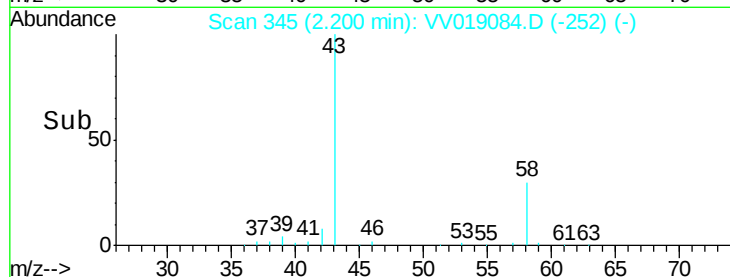
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 47.739 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV019084.D

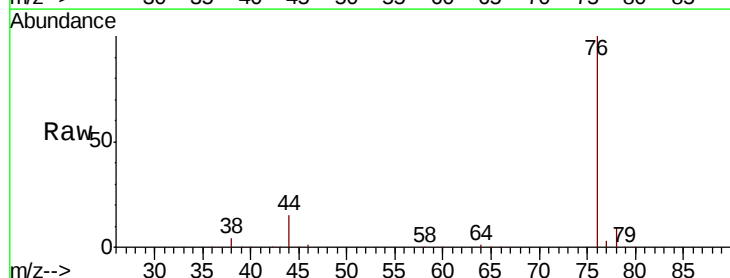
Acq: 22 Oct 2020 21:45

Tgt Ion: 76 Resp: 321498

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

250000

200000

150000

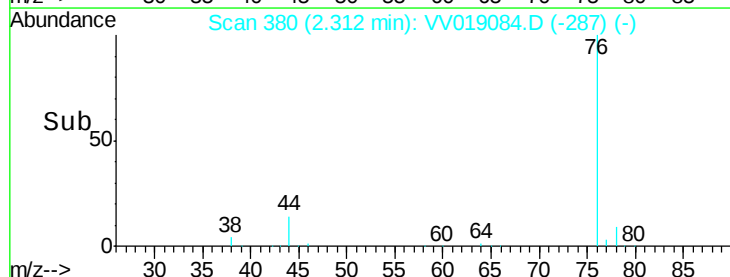
100000

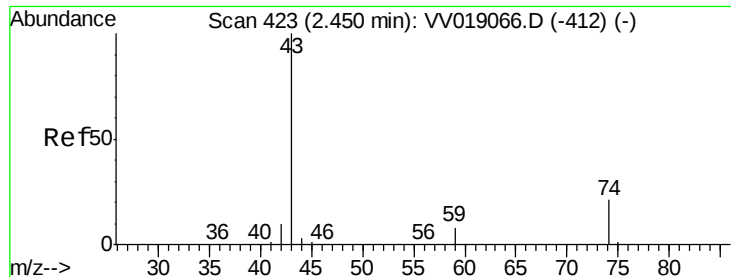
50000

0

Time-->

2.25 2.30 2.35 2.40

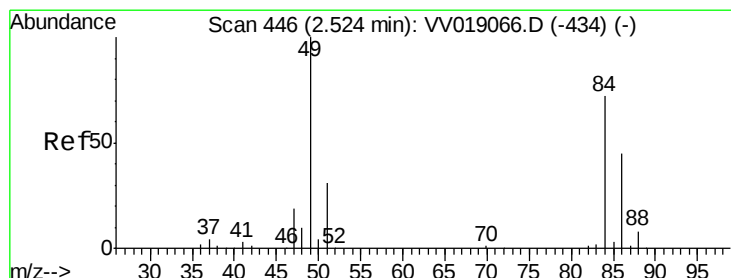
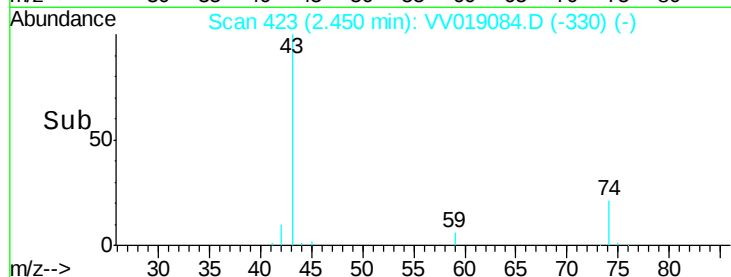
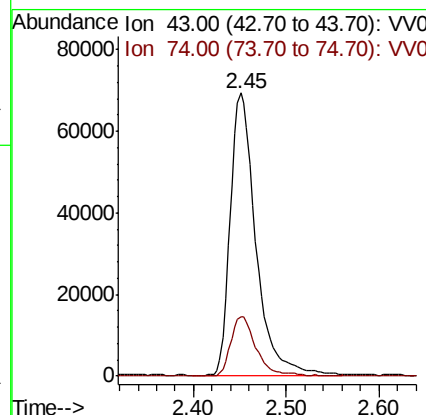
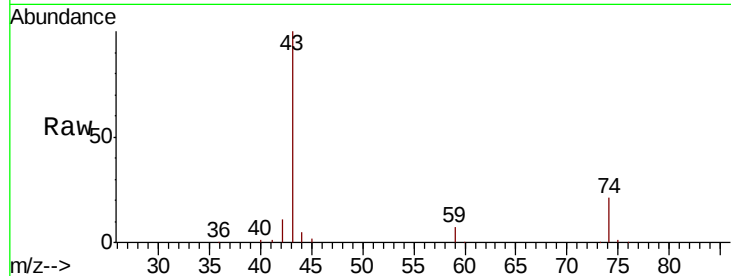




#15
Methvl Acetate
Concen: 49.974 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.00 min
Lab File: VV019084.D
Acq: 22 Oct 2020 21:45

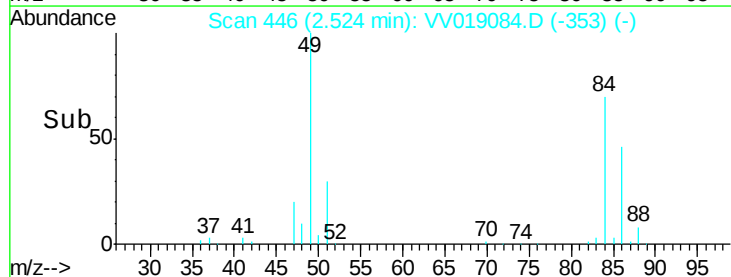
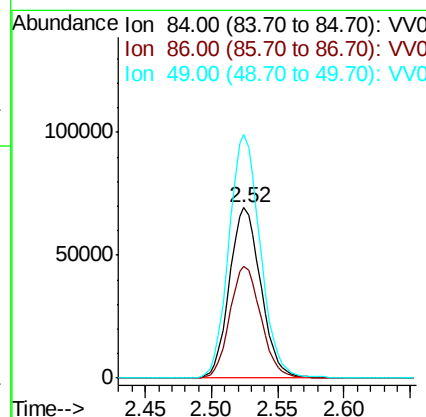
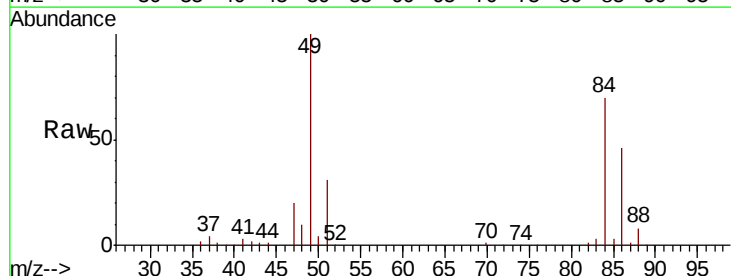
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

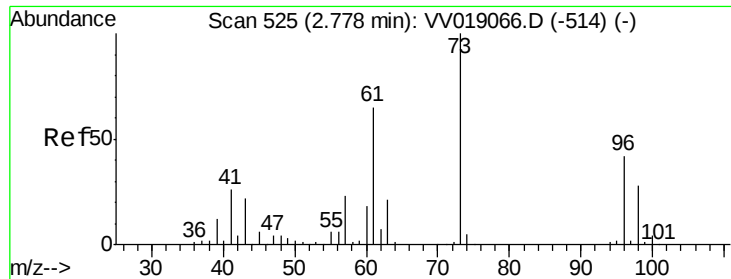
Tot Ion: 43 Resp: 132993
Ion Ratio Lower Upper
43 100
74 20.8 16.4 24.6



#16
Methylene chloride
Concen: 48.113 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV019084.D
Acq: 22 Oct 2020 21:45

Tgt Ion: 84 Resp: 114546
Ion Ratio Lower Upper
84 100
86 65.7 44.2 82.2
49 142.8 98.0 182.0

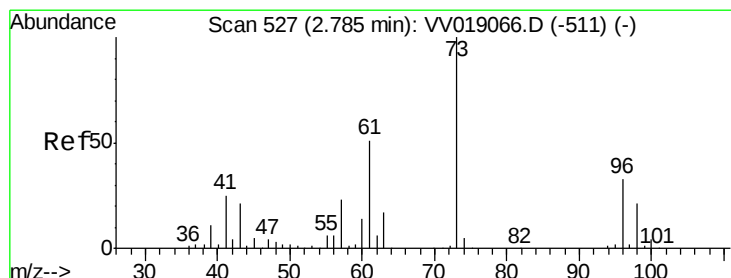
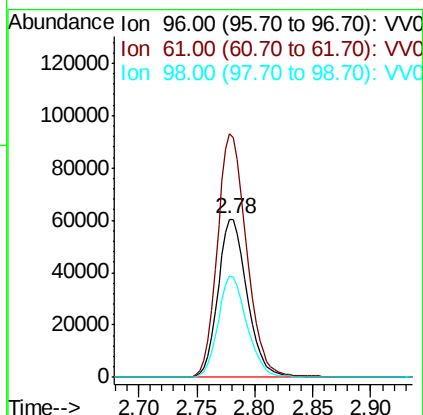
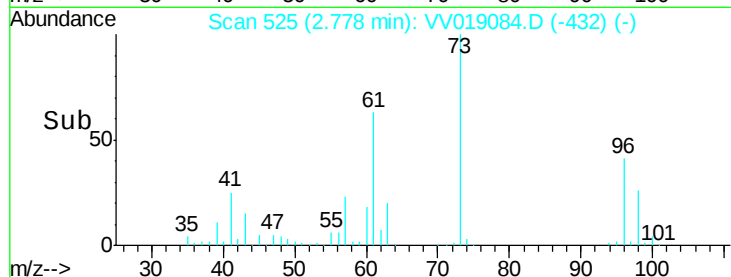
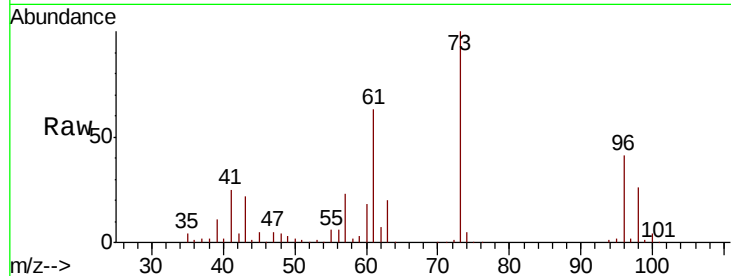




#17
trans-1,2-Dichloroethene
Concen: 48.988 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV019084.D
Acq: 22 Oct 2020 21:45

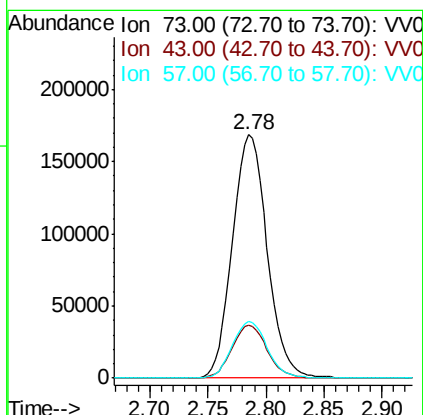
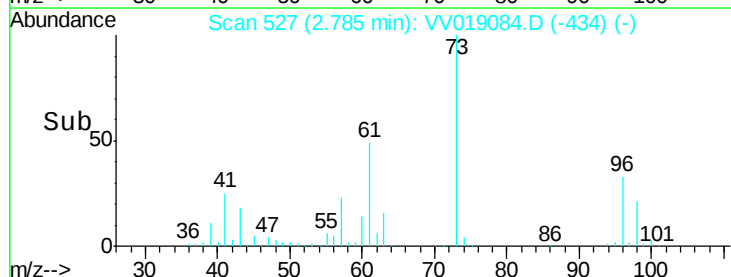
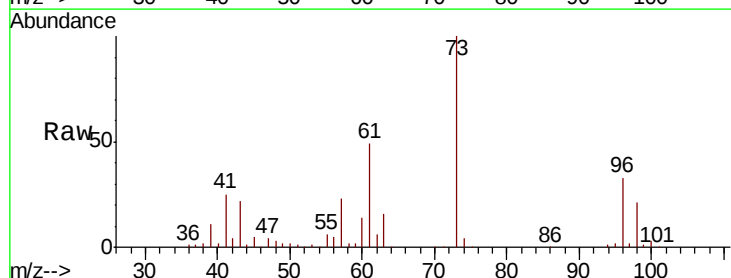
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

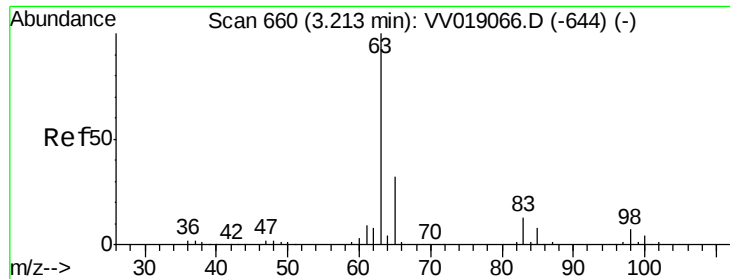
Tot Ion: 96 Resp: 105741
Ion Ratio Lower Upper
96 100
61 154.0 108.6 201.8
98 64.0 45.7 84.9



#18
Methyl tert-butyl Ether
Concen: 50.067 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV019084.D
Acq: 22 Oct 2020 21:45

Tgt Ion: 73 Resp: 350452
Ion Ratio Lower Upper
73 100
43 21.8 17.2 25.8
57 23.4 18.5 27.7

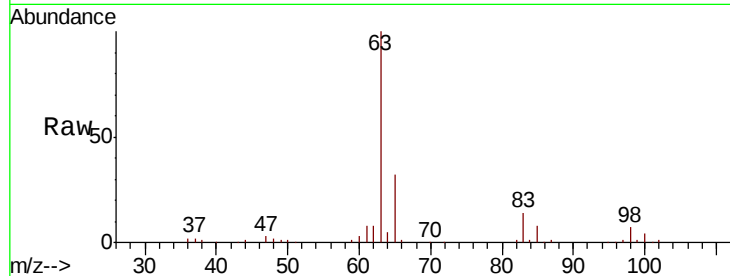




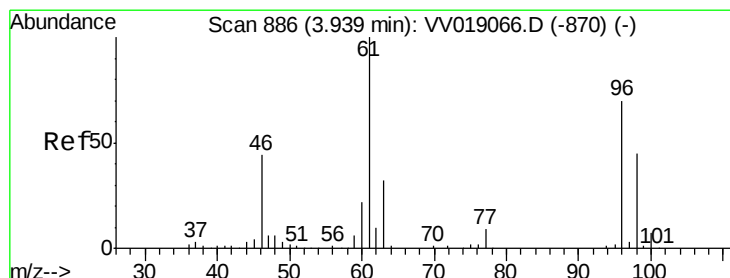
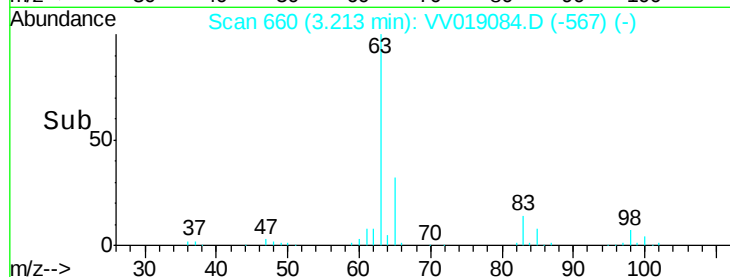
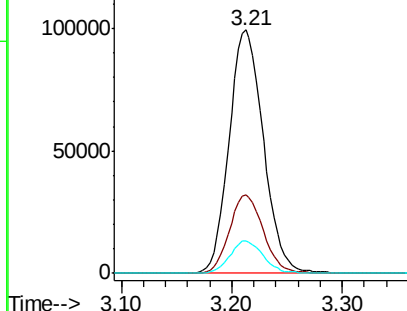
#19
 1,1-Dichloroethane
 Concen: 49.228 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV019084.D
 Acq: 22 Oct 2020 21:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Tot Ion: 63 Resp: 214540
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.7 42.1
 83 13.5 9.0 16.8

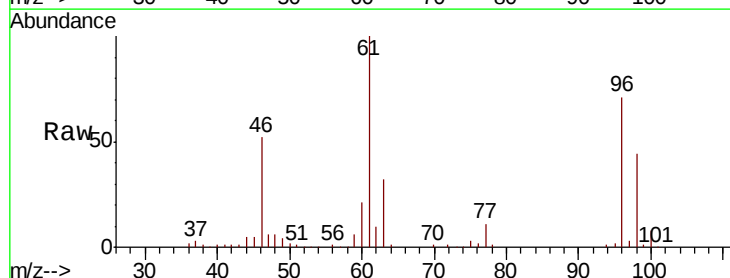


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

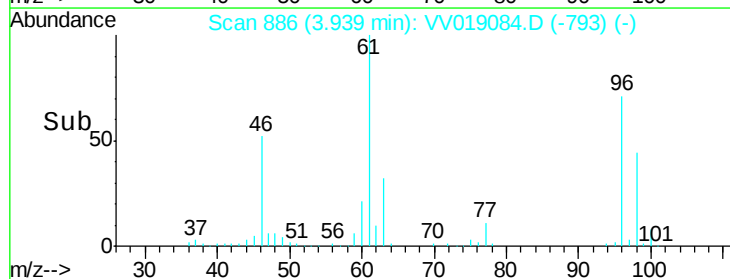
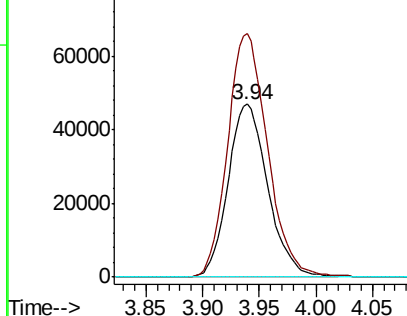


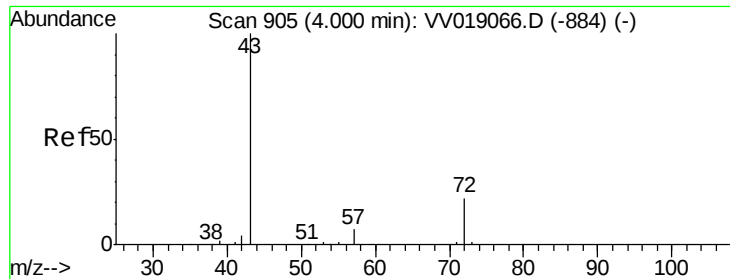
#20
 cis-1,2-Dichloroethene
 Concen: 49.707 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV019084.D
 Acq: 22 Oct 2020 21:45

Tgt Ion: 96 Resp: 114731
 Ion Ratio Lower Upper
 96 100
 61 140.9 99.4 184.6
 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: 102.278 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

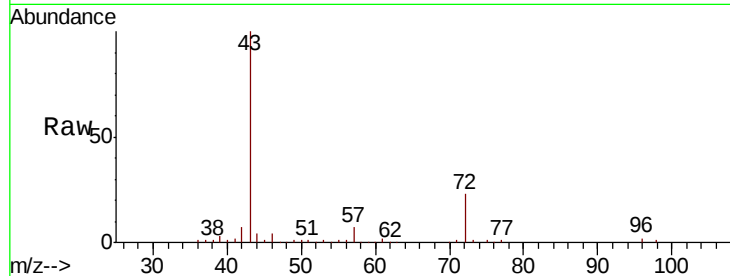
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tot Ion: 43 Resp: 177559

Ion Ratio Lower Upper

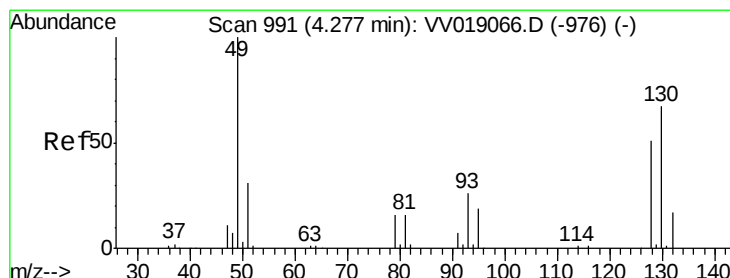
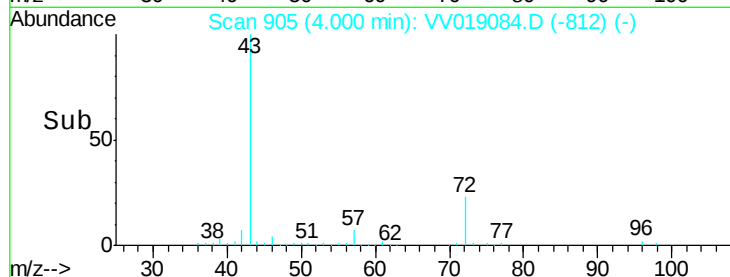
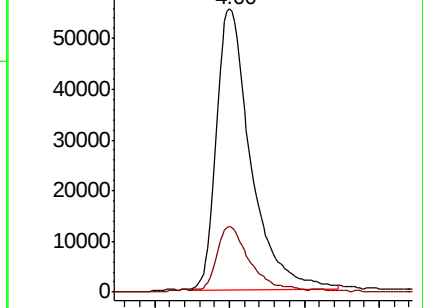
43 100

72 20.2 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VV019066.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VV019066.D (-884) (-)



#23

Bromochloromethane

Concen: 50.263 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

Tgt Ion: 128 Resp: 59057

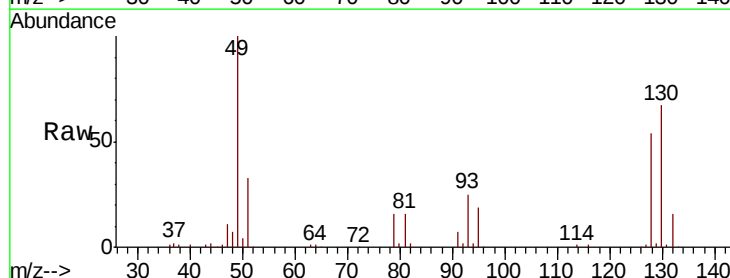
Ion Ratio Lower Upper

128 100

49 184.9 137.1 254.5

130 124.7 92.0 170.9

51 61.3 49.0 73.4

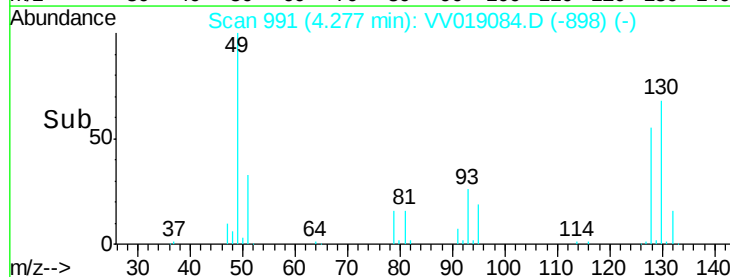
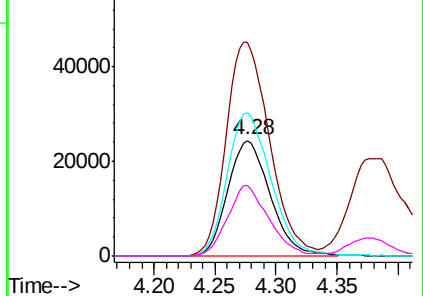


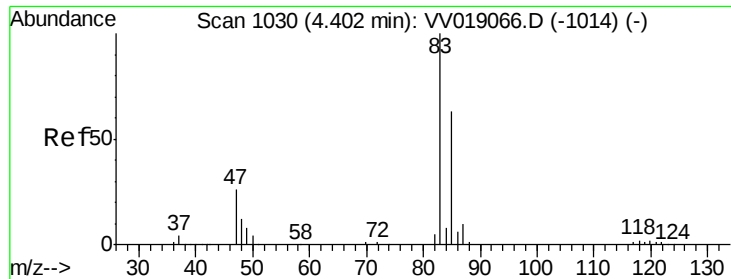
Abundance Ion 128.00 (127.70 to 128.70): VV019066.D (-976) (-)

Ion 49.00 (48.70 to 49.70): VV019066.D (-976) (-)

Ion 130.00 (129.70 to 130.70): VV019066.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV019066.D (-976) (-)

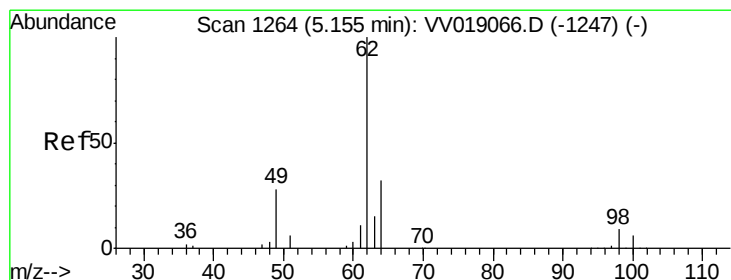
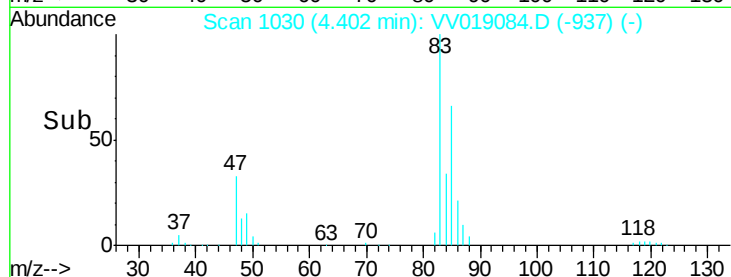
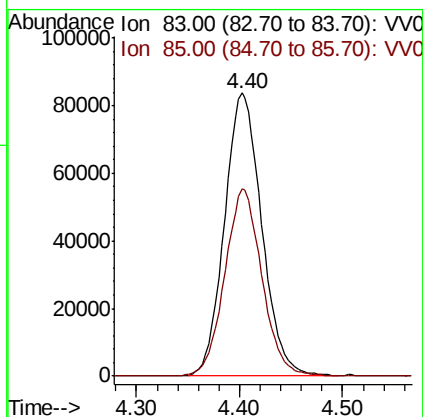
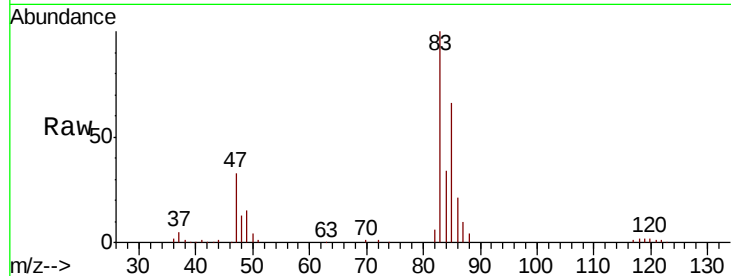




#25
Chloroform
Concen: 49.052 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV019084.D
Acq: 22 Oct 2020 21:45

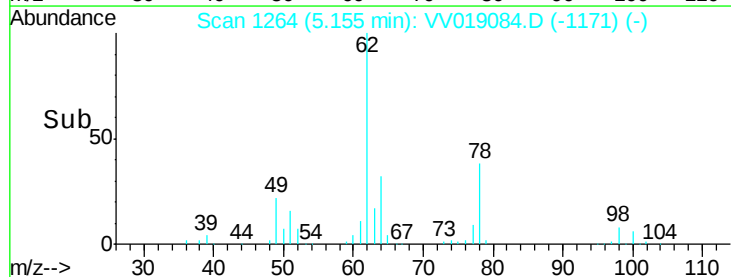
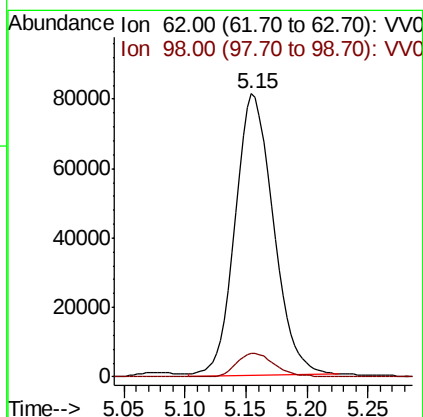
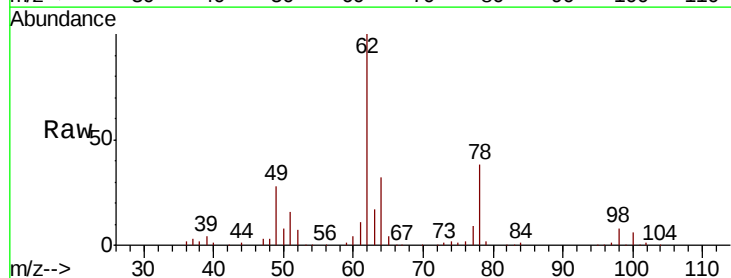
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

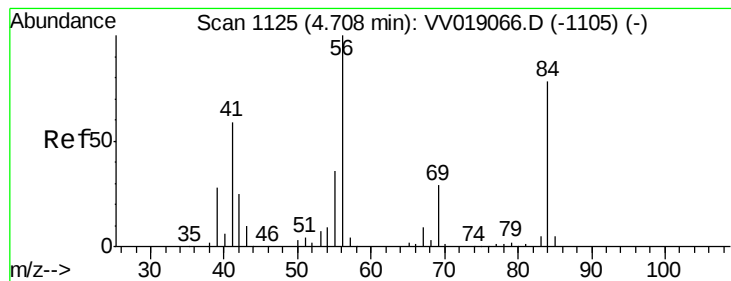
Tot Ion: 83 Resp: 210590
Ion Ratio Lower Upper
83 100
85 66.2 44.5 82.7



#27
1,2-Dichloroethane
Concen: 49.445 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV019084.D
Acq: 22 Oct 2020 21:45

Tgt Ion: 62 Resp: 176170
Ion Ratio Lower Upper
62 100
98 8.3 6.9 10.3





#29

Cyclohexane

Concen: 50.699 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

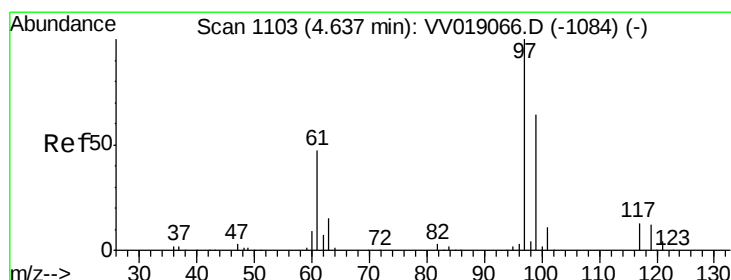
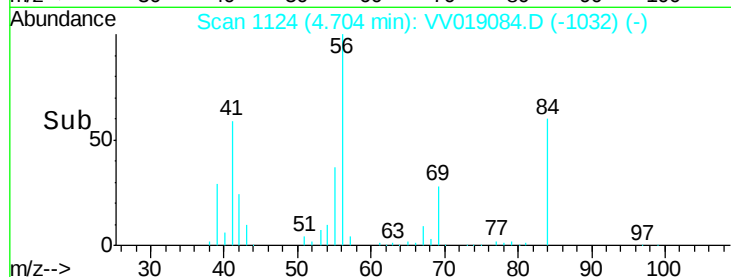
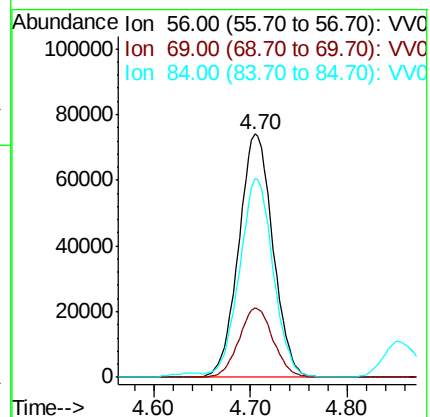
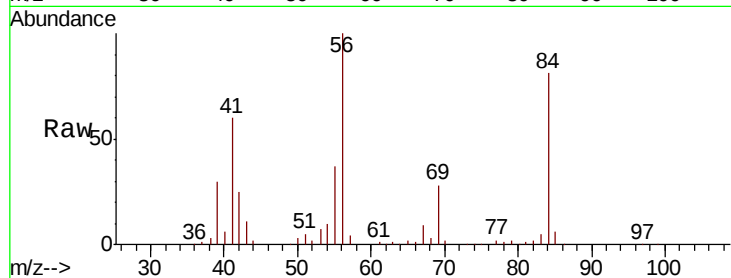
Tot Ion: 56 Resp: 181920

Ion Ratio Lower Upper

56 100

69 28.5 22.7 34.1

84 80.5 63.5 95.3



#30

1,1,1-Trichloroethane

Concen: 49.707 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

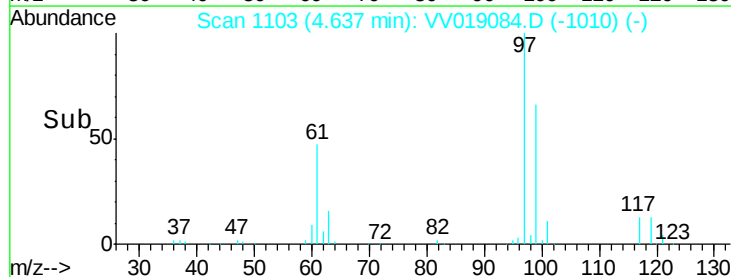
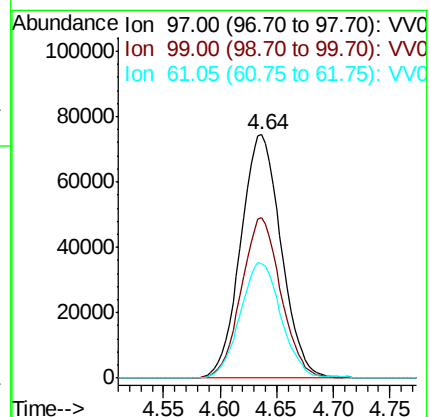
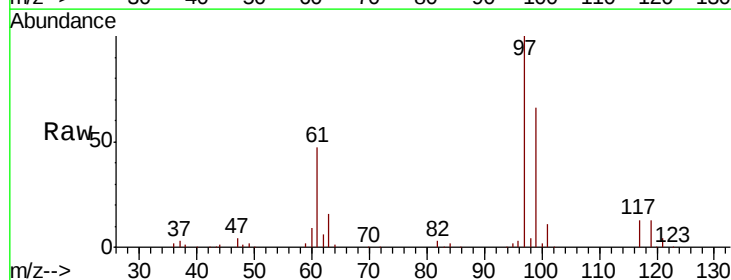
Tgt Ion: 97 Resp: 185529

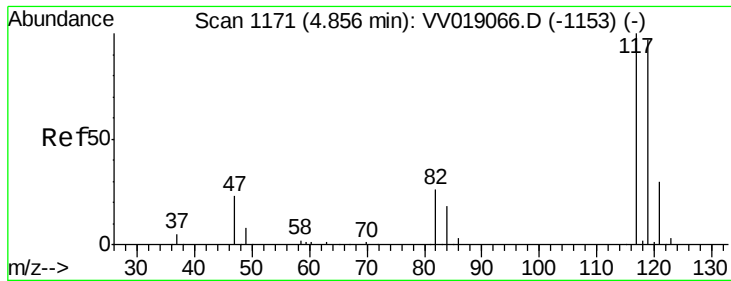
Ion Ratio Lower Upper

97 100

99 64.3 50.5 75.7

61 47.8 38.1 57.1

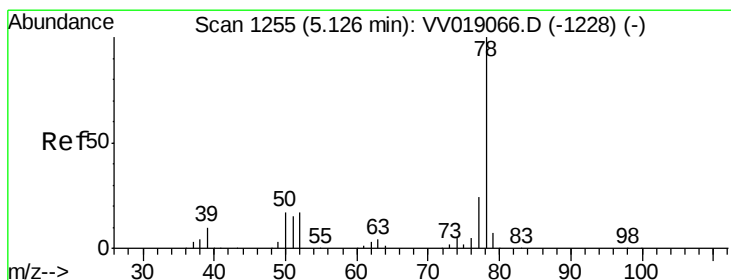
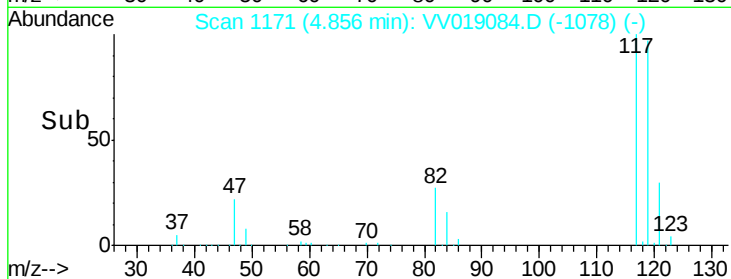
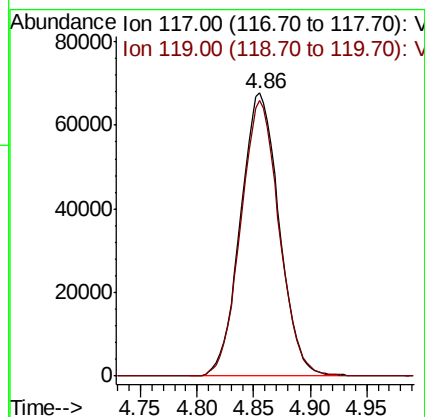
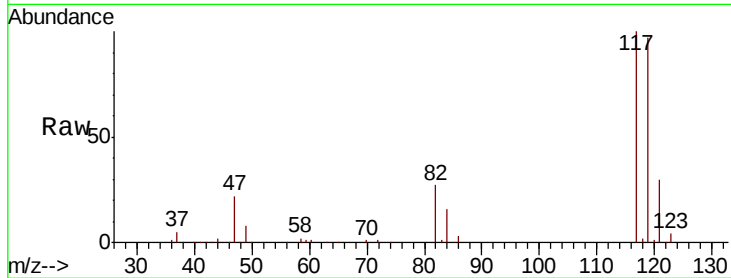




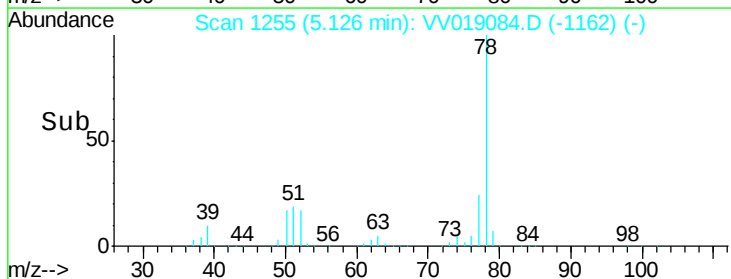
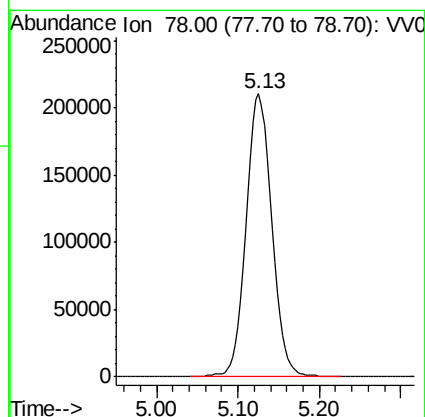
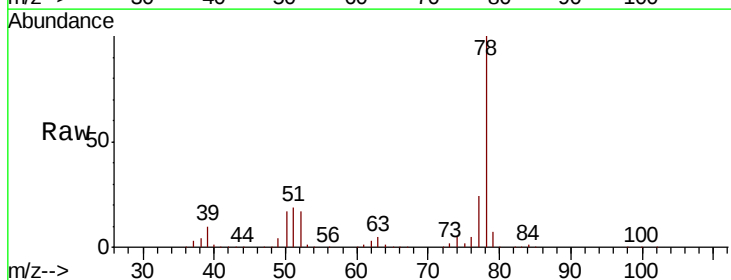
#31
Carbon tetrachloride
Concen: 49.529 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VV019084.D
Acq: 22 Oct 2020 21:45

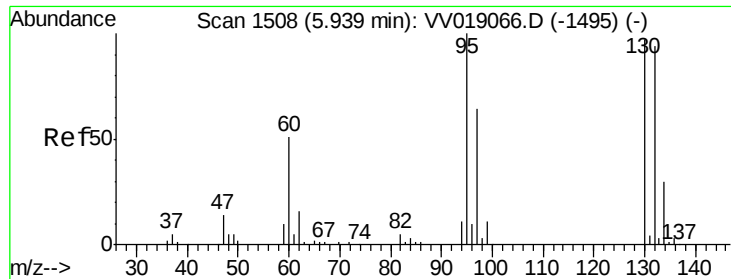
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tot Ion:117 Resp: 161159
Ion Ratio Lower Upper
117 100
119 96.7 77.2 115.8



#33
Benzene
Concen: 49.642 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VV019084.D
Acq: 22 Oct 2020 21:45
Tgt Ion: 78 Resp: 455568

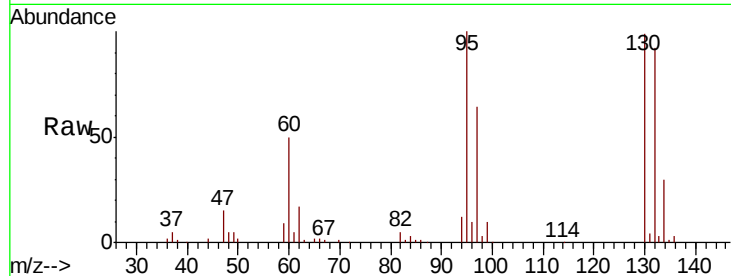




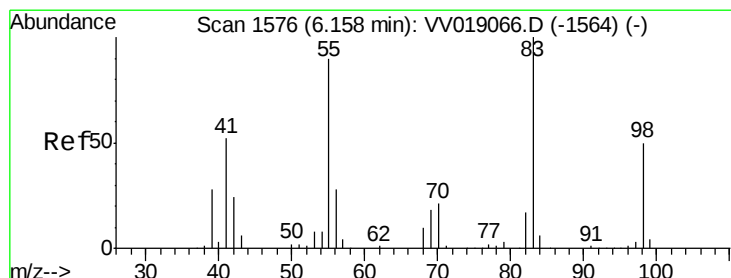
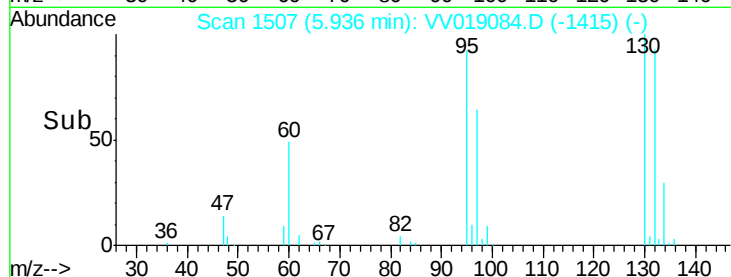
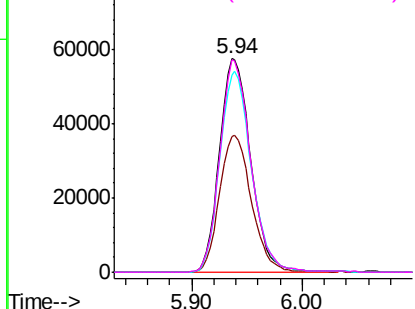
#34
 Trichloroethene
 Concen: 48.852 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV019084.D
 Acq: 22 Oct 2020 21:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Tot Ion: 95 Resp: 113290
 Ion Ratio Lower Upper
 95 100
 97 63.5 44.6 82.8
 132 92.4 66.0 122.6
 130 99.3 67.6 125.6

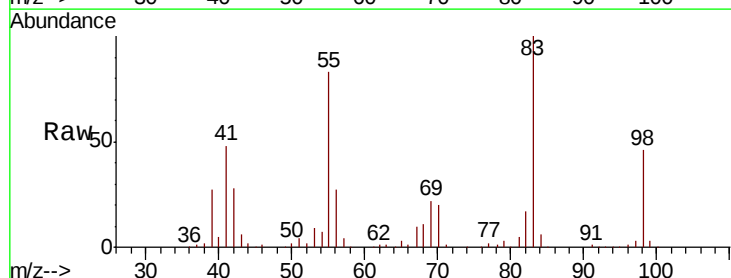


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

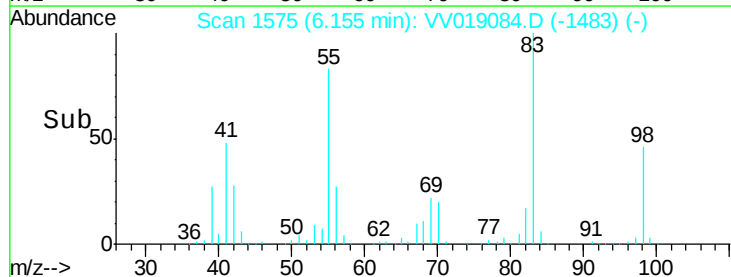
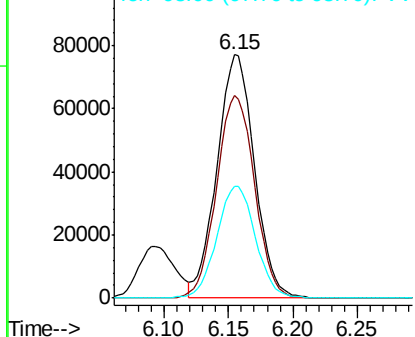


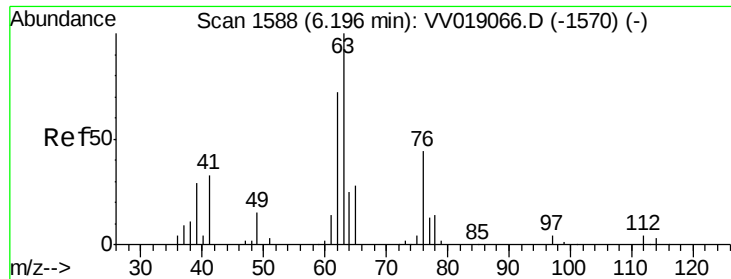
#35
 Methylcyclohexane
 Concen: 49.015 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV019084.D
 Acq: 22 Oct 2020 21:45

Tgt Ion: 83 Resp: 155522
 Ion Ratio Lower Upper
 83 100
 55 84.7 68.1 102.1
 98 47.2 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

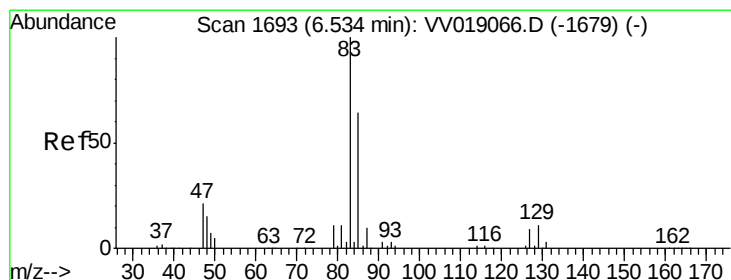
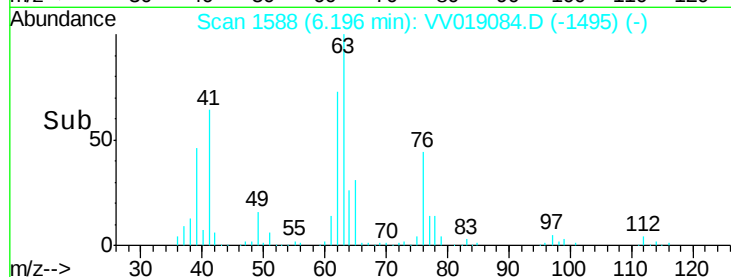
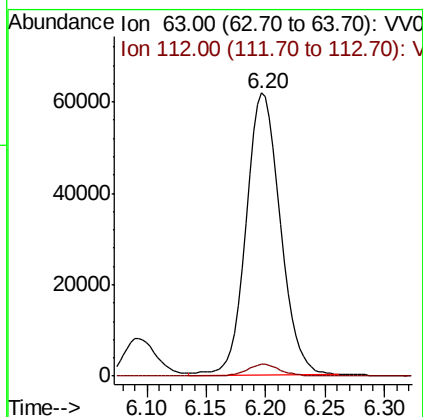
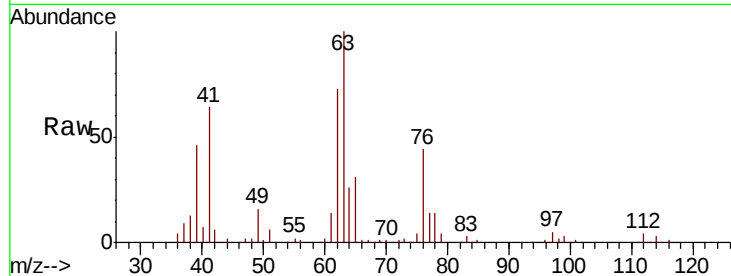




#37
 1,2-Dichloropropane
 Concen: 48.685 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV019084.D
 Acq: 22 Oct 2020 21:45

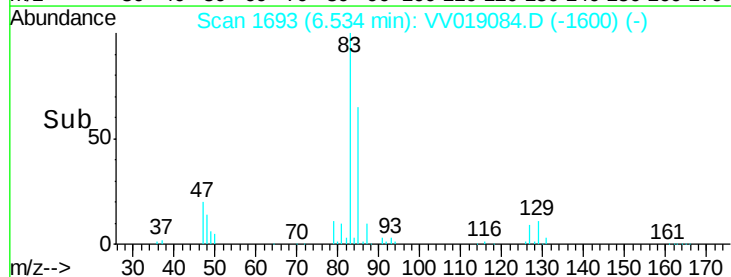
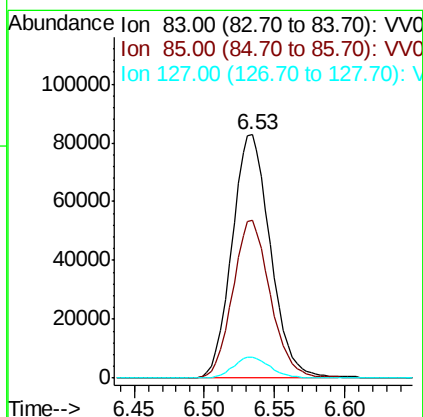
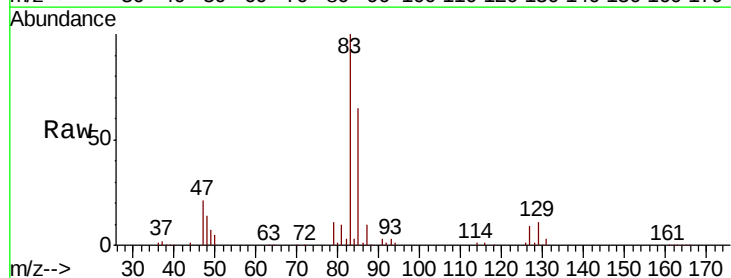
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

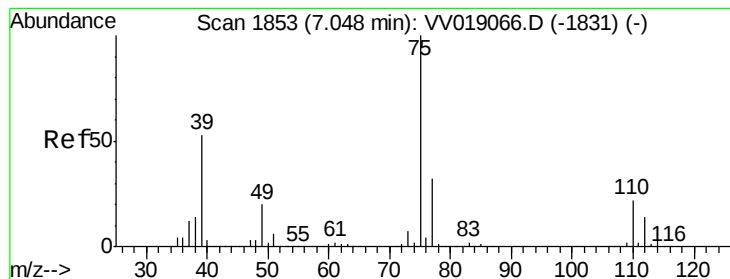
Tot Ion: 63 Resp: 123002
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 49.334 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV019084.D
 Acq: 22 Oct 2020 21:45

Tgt Ion: 83 Resp: 157707
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.9 83.3
 127 8.6 7.0 10.4



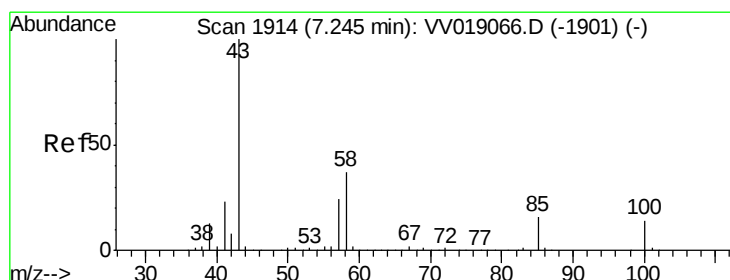
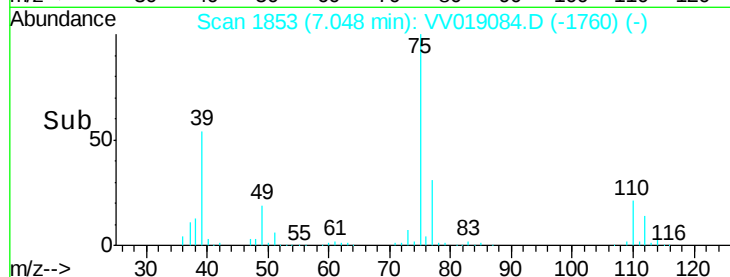
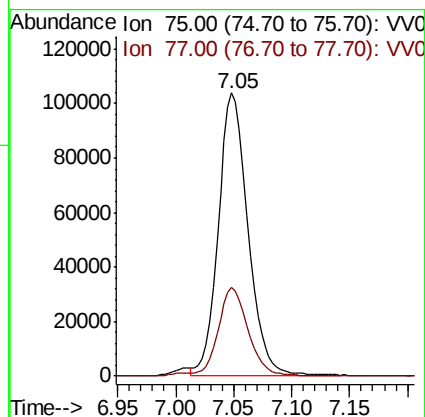
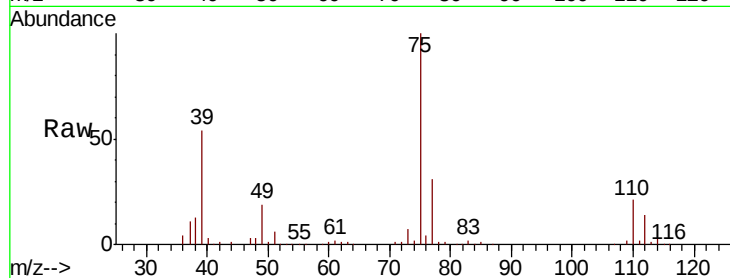


#39

cis-1,3-Dichloropropene
Concen: 49.204 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV019084.D
Acq: 22 Oct 2020 21:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

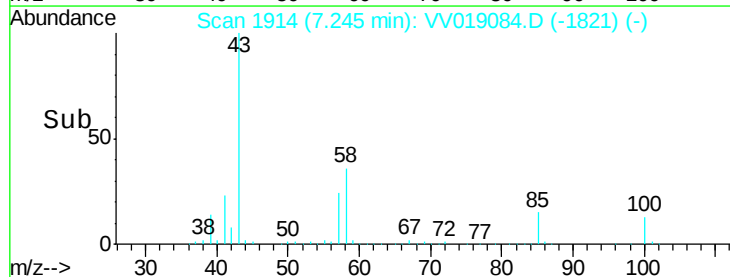
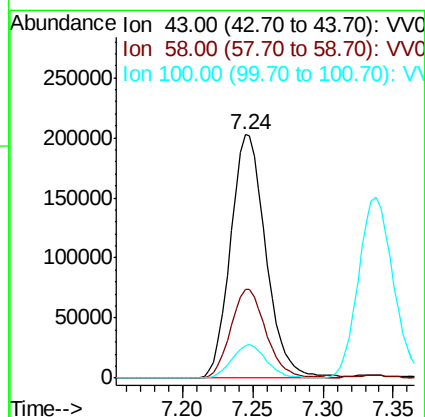
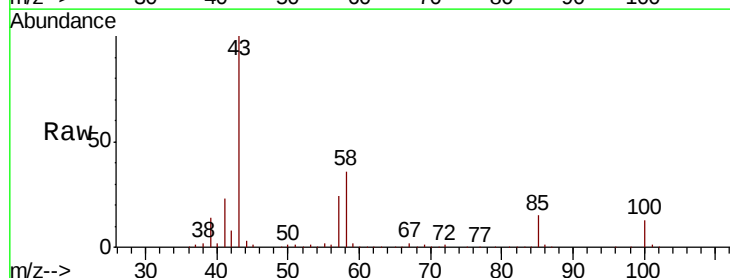
Tot Ion: 75 Resp: 183721
Ion Ratio Lower Upper
75 100
77 31.3 22.1 41.1

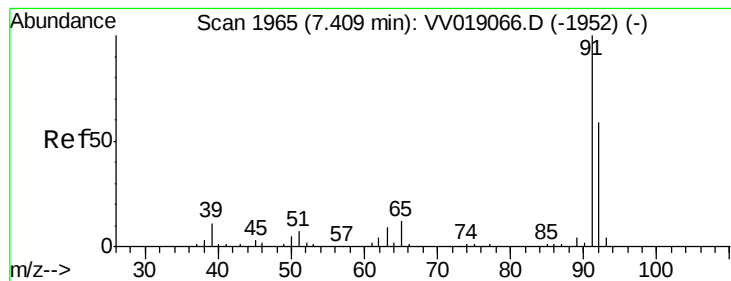


#40

4-Methyl-2-pentanone
Concen: 104.462 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV019084.D
Acq: 22 Oct 2020 21:45

Tgt Ion: 43 Resp: 356059
Ion Ratio Lower Upper
43 100
58 36.5 29.6 44.4
100 13.4 10.9 16.3





#42

Toluene

Concen: 50.905 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

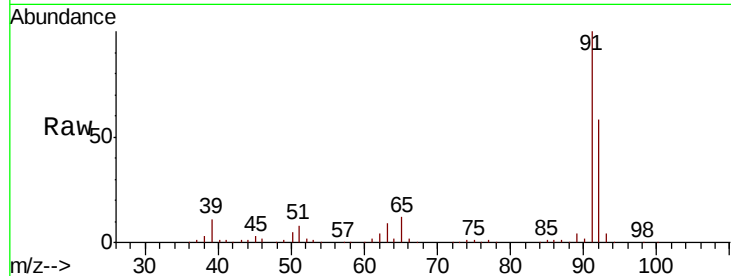
VSTD05070

Tot Ion: 91 Resp: 479516

Ion Ratio Lower Upper

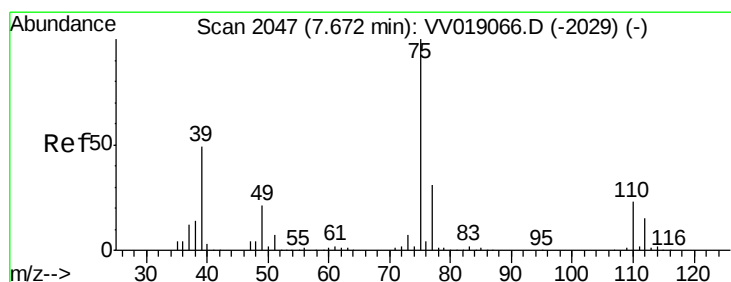
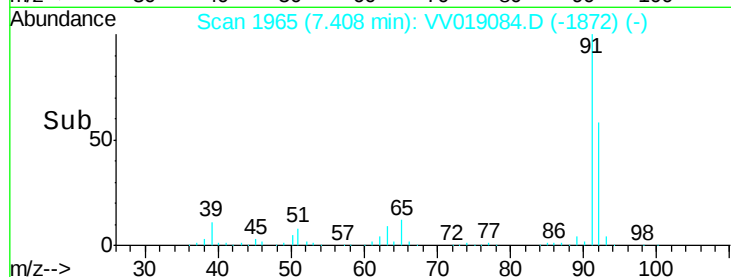
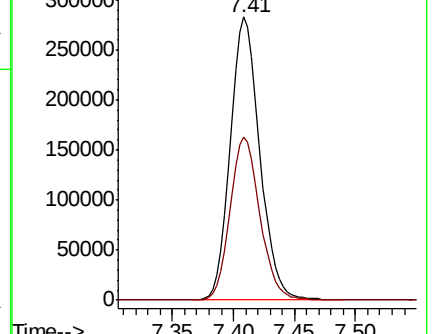
91 100

92 57.8 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 50.797 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV019084.D

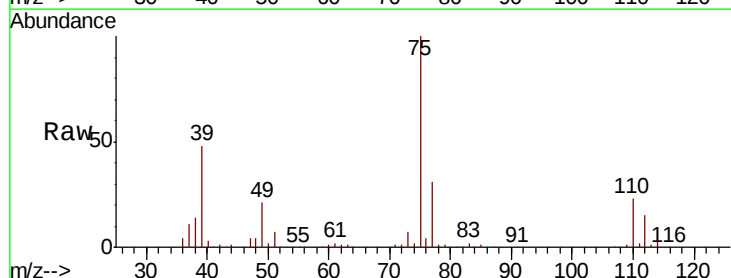
Acq: 22 Oct 2020 21:45

Tgt Ion: 75 Resp: 188165

Ion Ratio Lower Upper

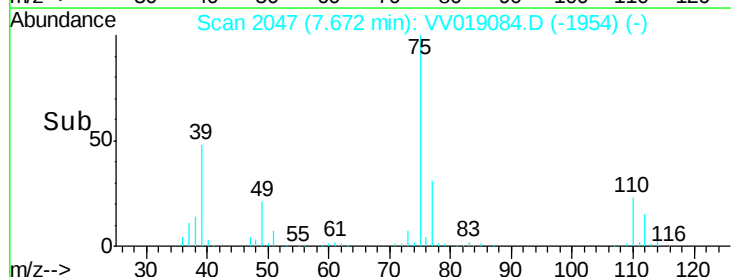
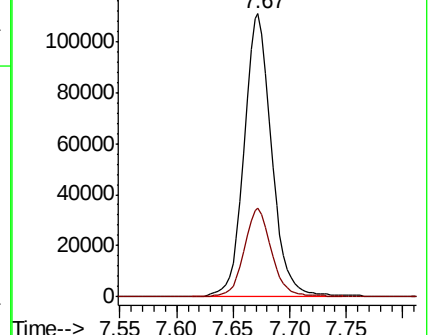
75 100

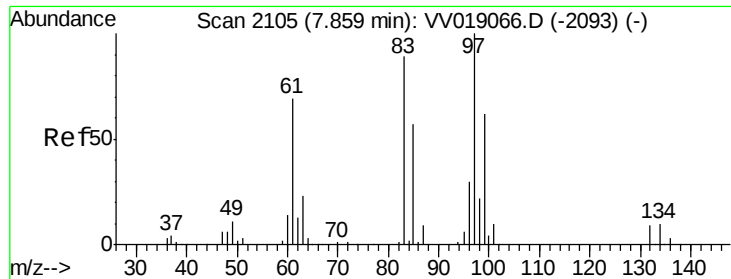
77 31.4 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

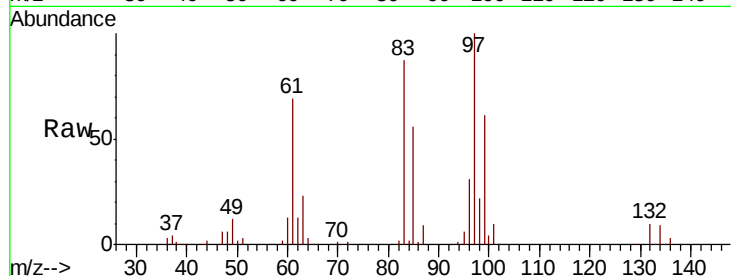




#45
 1,1,2-Trichloroethane
 Concen: 48.358 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV019084.D
 Acq: 22 Oct 2020 21:45

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD05070

Tot Ion:	97	Resp:	107907
Ion	Ratio	Lower	Upper
97	100		
99	60.7	43.5	80.9
83	86.8	62.2	115.4
85	55.9	39.9	74.1



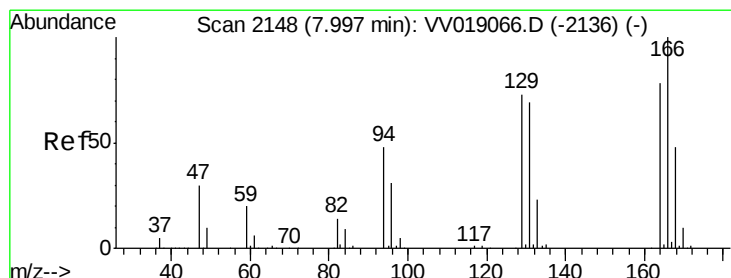
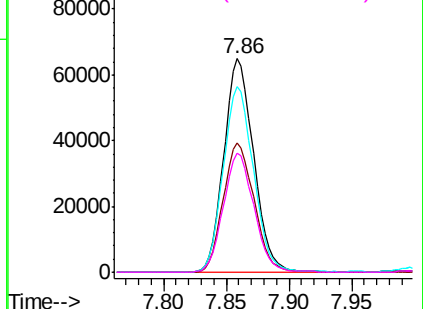
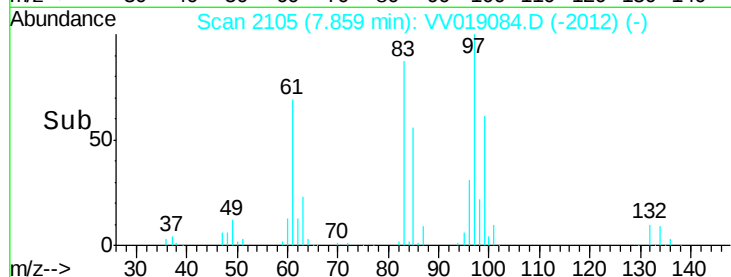
Abundance

Ion 97.00 (96.70 to 97.70): VV019084.D (-2012) (-)

Ion 99.00 (98.70 to 99.70): VV019084.D (-2012) (-)

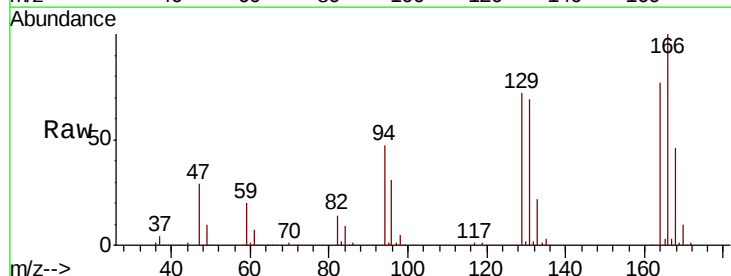
Ion 83.00 (82.70 to 83.70): VV019084.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV019084.D (-2012) (-)



#46
 Tetrachloroethene
 Concen: 49.401 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV019084.D
 Acq: 22 Oct 2020 21:45

Tgt Ion:	164	Resp:	87915
Ion	Ratio	Lower	Upper
164	100		
129	92.9	65.5	121.6
131	88.7	62.4	115.8
166	129.4	90.0	167.2



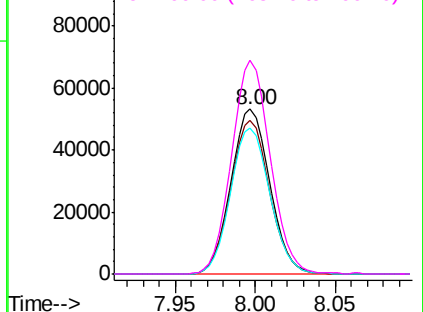
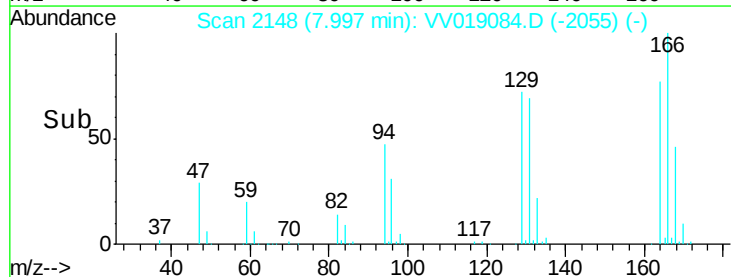
Abundance

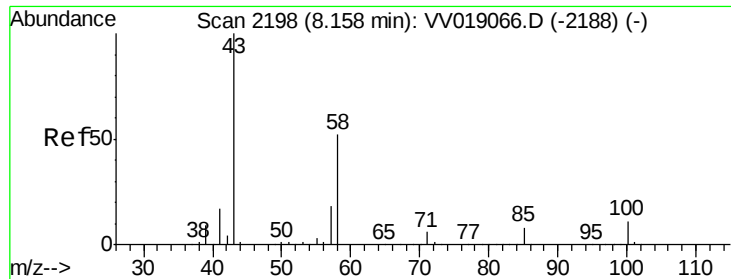
Ion 164.00 (163.70 to 164.70): VV019084.D (-2055) (-)

Ion 129.00 (128.70 to 129.70): VV019084.D (-2055) (-)

Ion 131.00 (130.70 to 131.70): VV019084.D (-2055) (-)

Ion 166.00 (165.70 to 166.70): VV019084.D (-2055) (-)

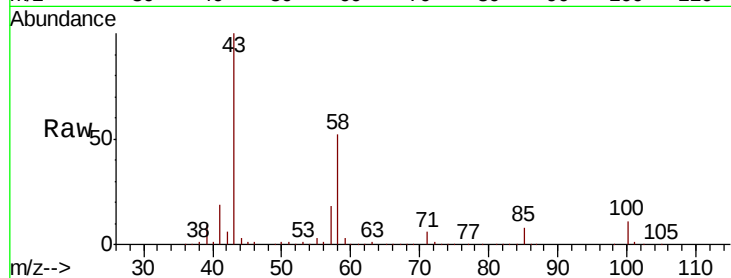




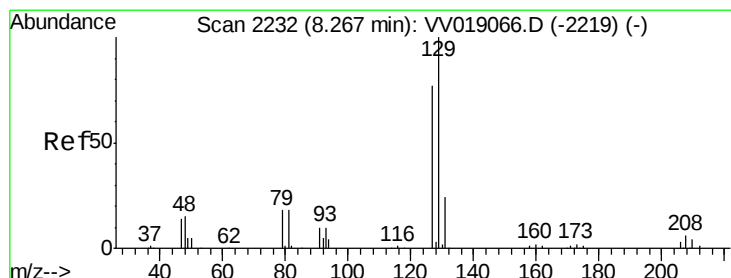
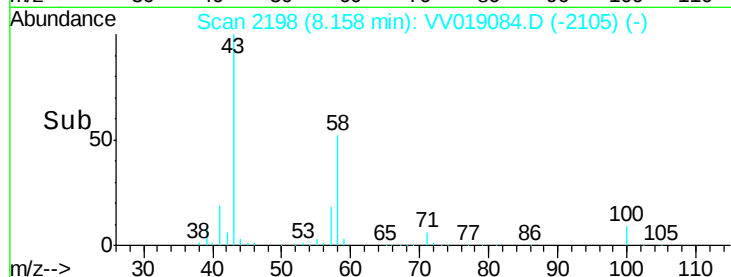
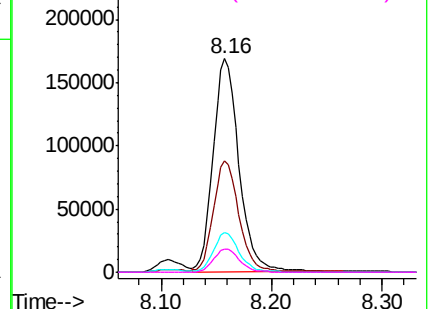
#48
2-Hexanone
Concen: 103.939 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV019084.D
Acq: 22 Oct 2020 21:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tot Ion: 43 Resp: 273379
Ion Ratio Lower Upper
43 100
58 51.7 41.1 61.7
57 18.9 14.7 22.1
100 11.1 8.6 12.8

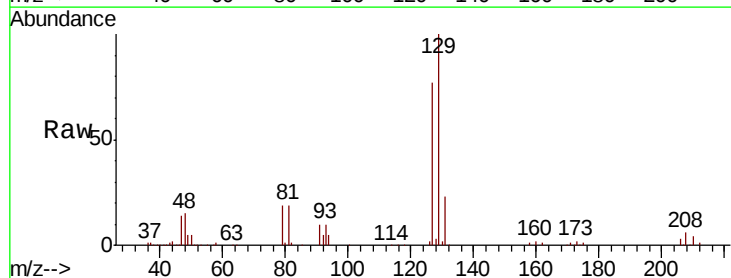


Abundance Ion 43.00 (42.70 to 43.70): VV019084.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV019084.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV019084.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV019084.D (-2105) (-)

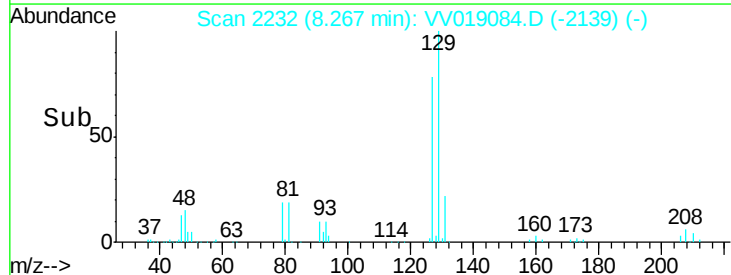
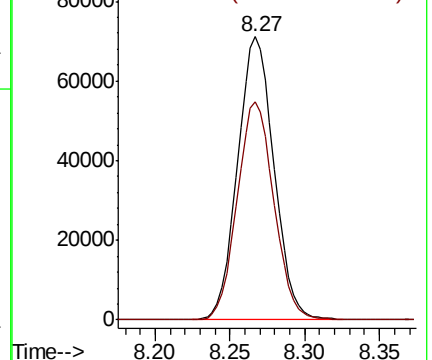


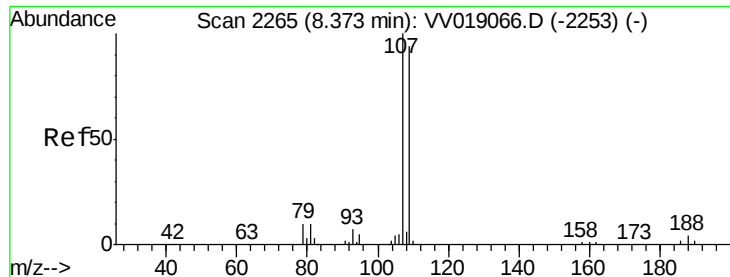
#49
Dibromochloromethane
Concen: 49.399 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV019084.D
Acq: 22 Oct 2020 21:45

Tgt Ion: 129 Resp: 120484
Ion Ratio Lower Upper
129 100
127 76.9 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): VV019084.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV019084.D (-2139) (-)

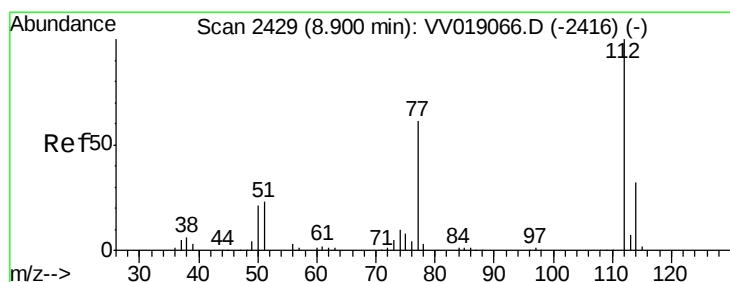
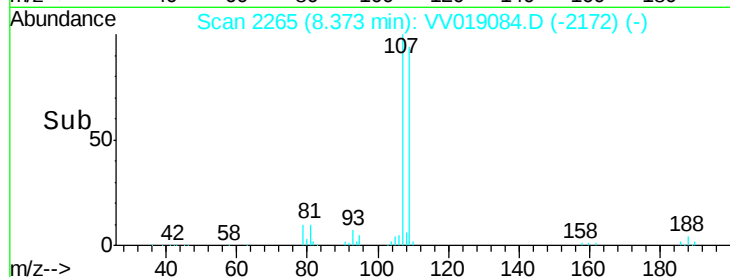
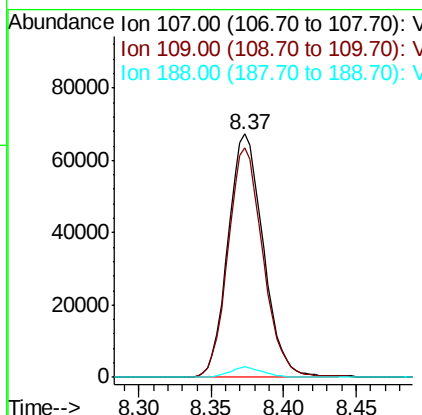
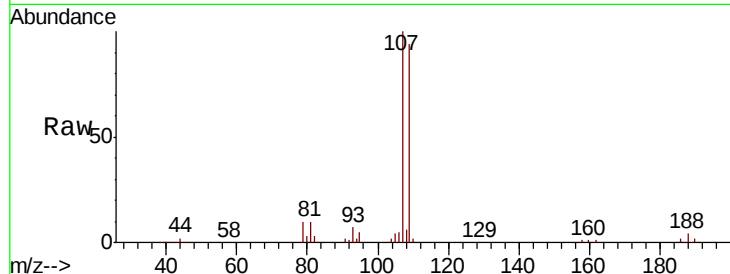




#50
1,2-Dibromoethane
Concen: 49.001 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV019084.D
Acq: 22 Oct 2020 21:45

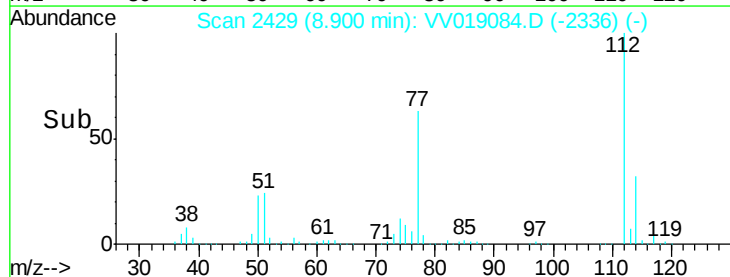
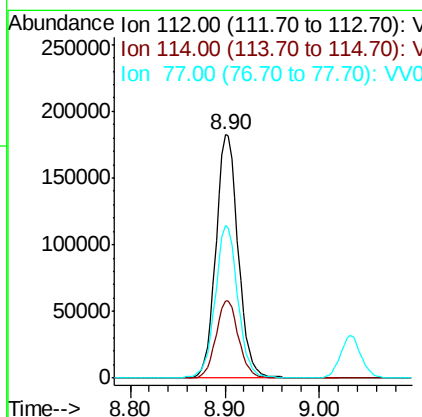
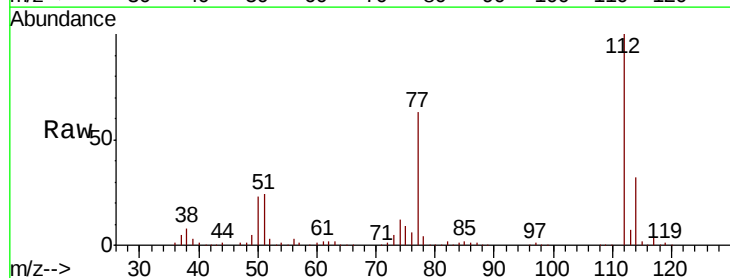
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

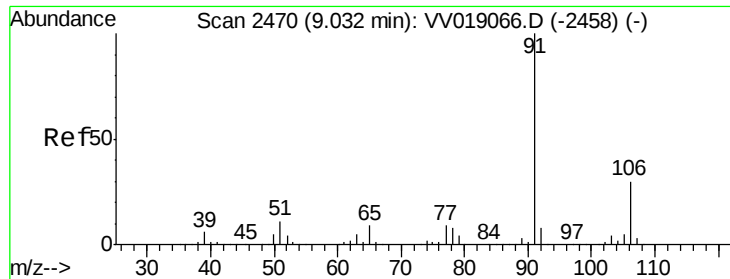
Tot Ion:107 Resp: 113469
Ion Ratio Lower Upper
107 100
109 94.4 66.1 122.7
188 4.2 3.2 4.8



#51
Chlorobenzene
Concen: 49.511 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV019084.D
Acq: 22 Oct 2020 21:45

Tgt Ion:112 Resp: 299125
Ion Ratio Lower Upper
112 100
114 31.6 22.2 41.2
77 62.8 49.1 73.7





#52

Ethylbenzene

Concen: 51.454 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

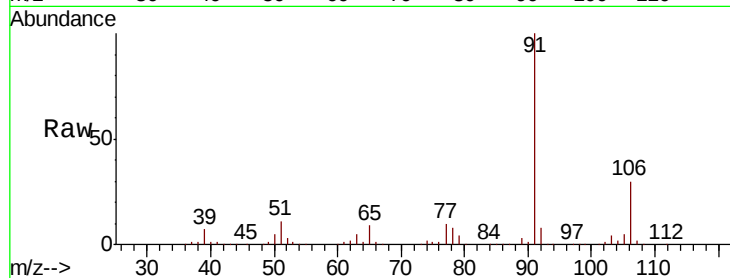
VSTD05070

Tot Ion: 91 Resp: 524120

Ion Ratio Lower Upper

91 100

106 30.0 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VV019066.D (-2458) (-)

Ion 106.00 (105.70 to 106.70): VV019066.D (-2458) (-)

9.03

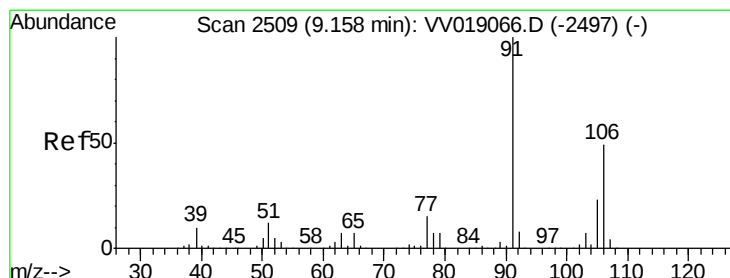
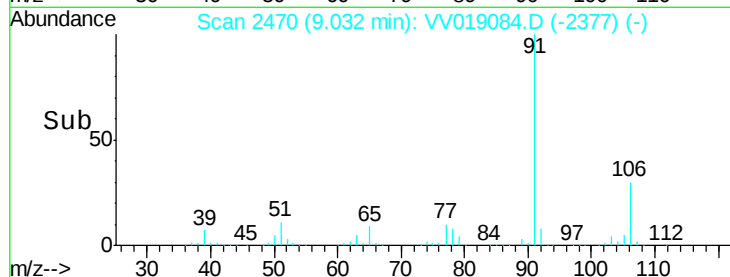
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 51.555 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV019084.D

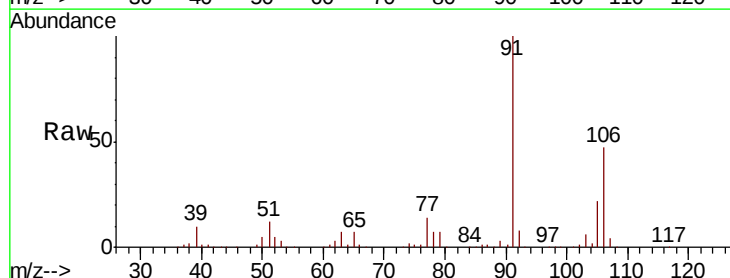
Acq: 22 Oct 2020 21:45

Tgt Ion: 106 Resp: 192245

Ion Ratio Lower Upper

106 100

91 211.0 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): VV019066.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV019066.D (-2497) (-)

9.16

300000

250000

200000

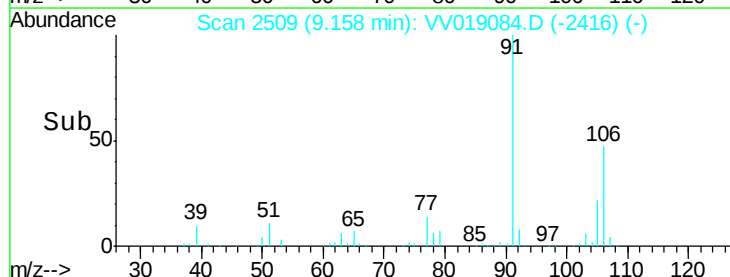
150000

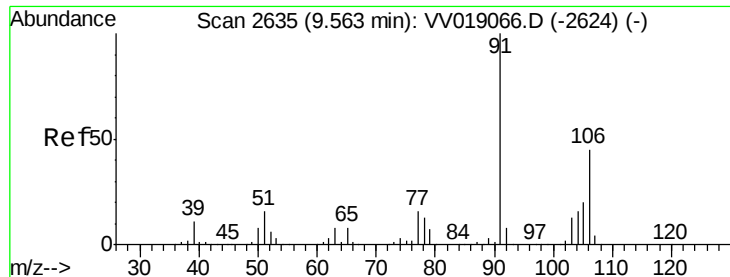
100000

50000

0

Time-->





#54

o-xylene

Concen: 52.170 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

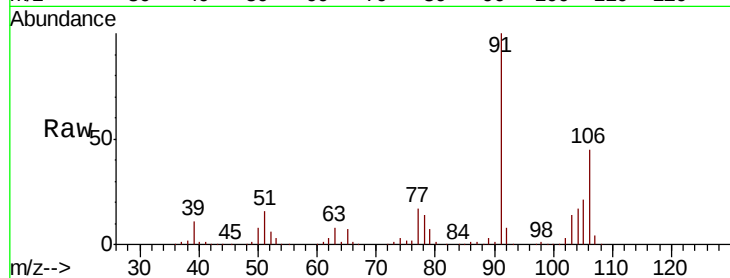
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tot Ion:106 Resp: 187308

Ion Ratio Lower Upper

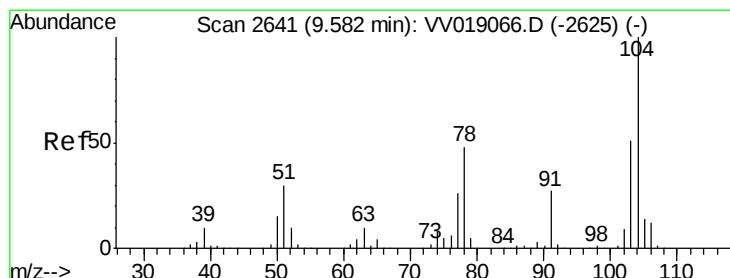
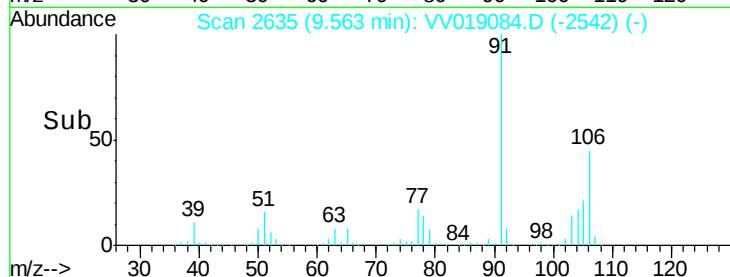
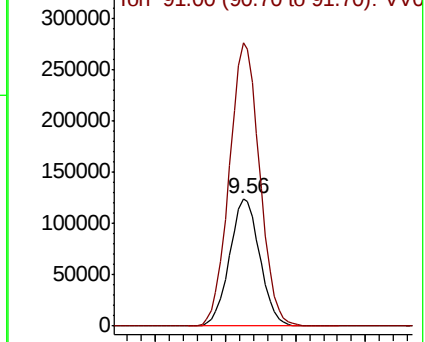
106 100

91 221.4 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.649 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV019084.D

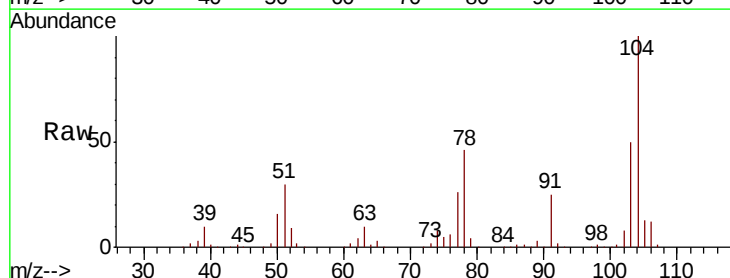
Acq: 22 Oct 2020 21:45

Tgt Ion:104 Resp: 335308

Ion Ratio Lower Upper

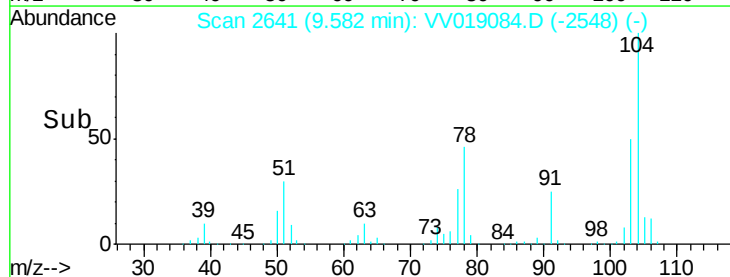
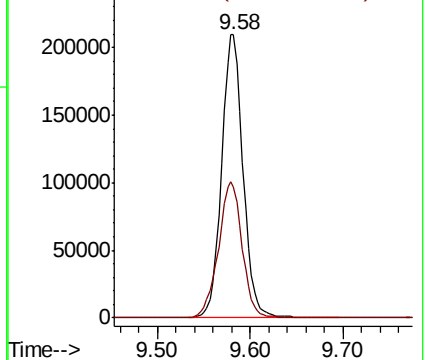
104 100

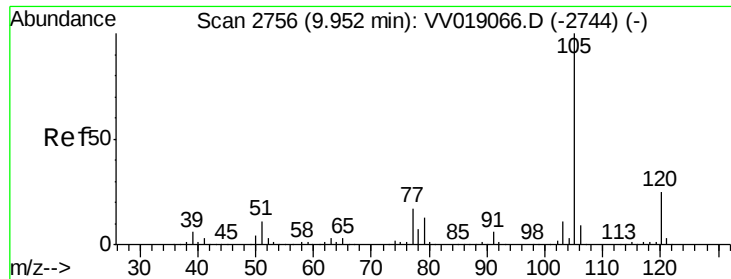
78 46.3 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.613 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

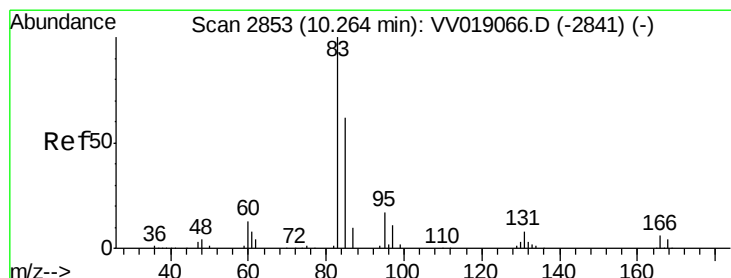
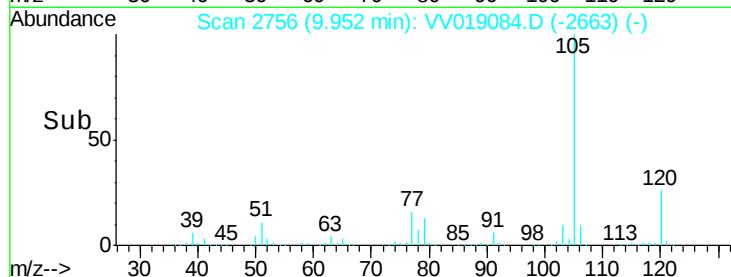
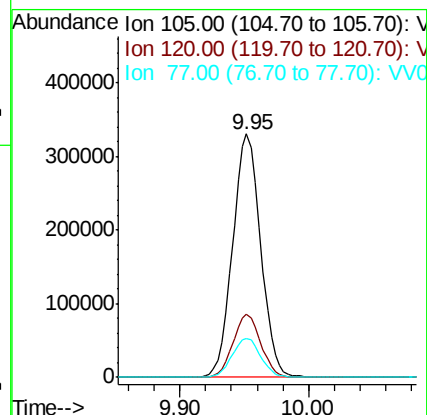
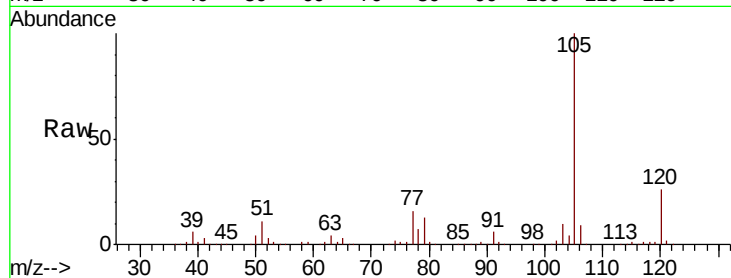
Tot Ion:105 Resp: 496695

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

77 16.4 13.4 20.0



#58

1,1,2,2-Tetrachloroethane

Concen: 48.631 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

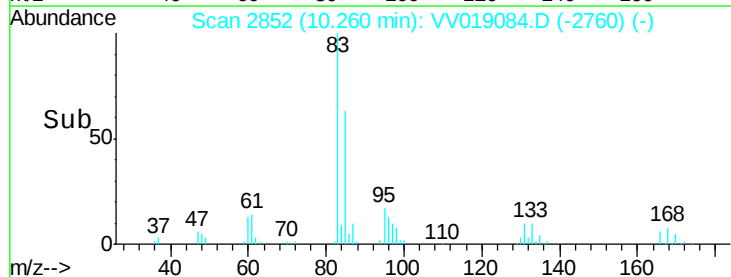
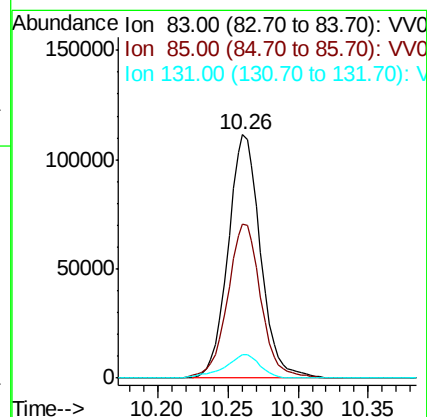
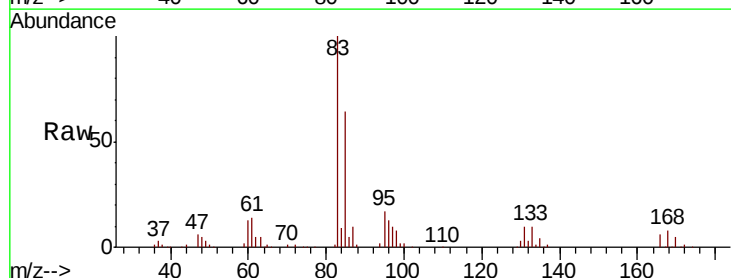
Tgt Ion: 83 Resp: 178558

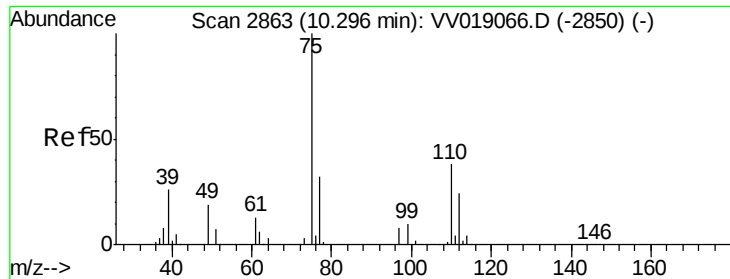
Ion Ratio Lower Upper

83 100

85 63.5 44.2 82.2

131 9.5 7.4 11.2





#59

1,2,3-Trichloropropane

Concen: 48.979 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

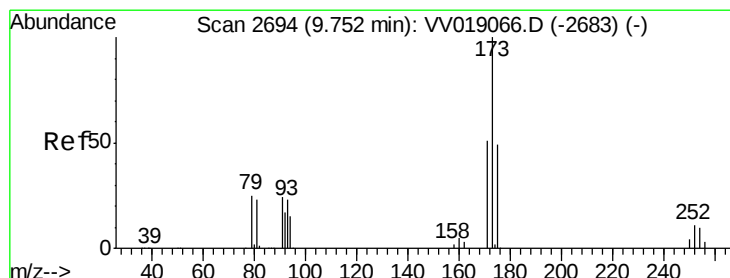
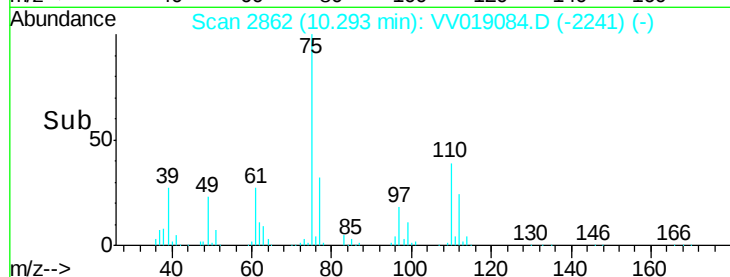
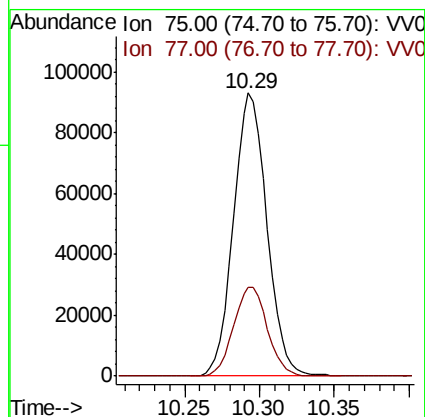
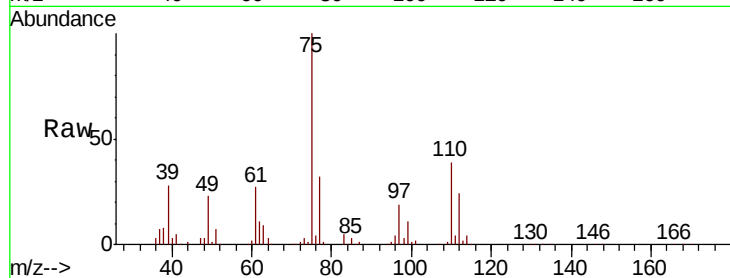
VSTD05070

Tot Ion: 75 Resp: 144692

Ion Ratio Lower Upper

75 100

77 31.9 25.9 38.9



#61

Bromoform

Concen: 50.086 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

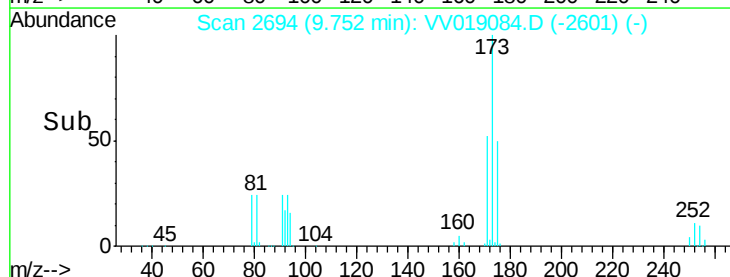
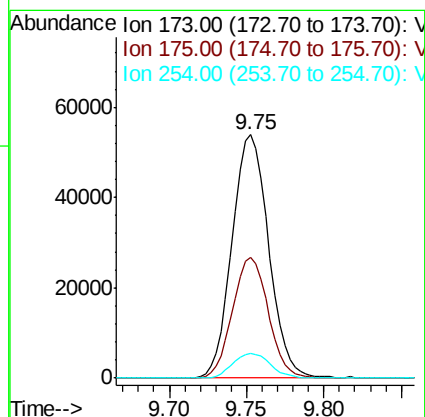
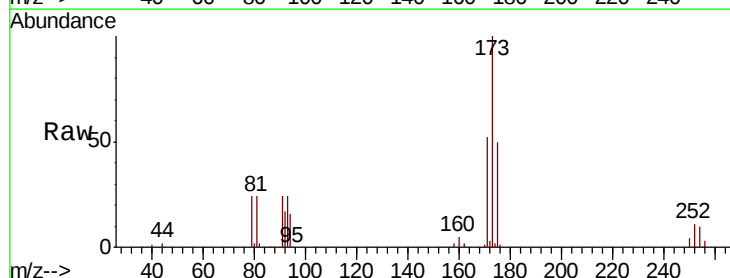
Tgt Ion: 173 Resp: 88575

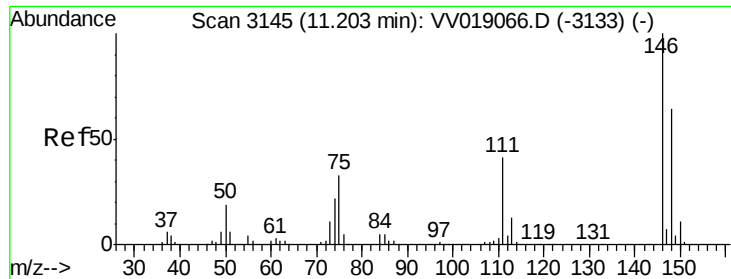
Ion Ratio Lower Upper

173 100

175 48.5 38.3 57.5

254 10.4 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 50.335 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

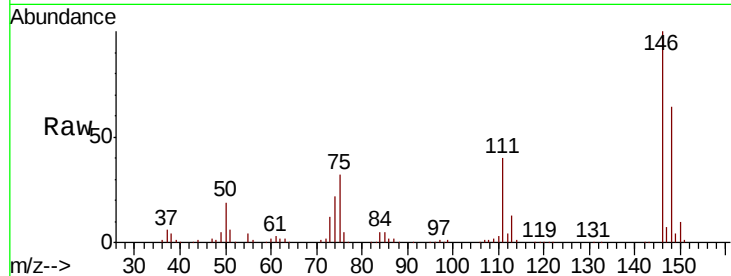
Tot Ion:146 Resp: 237199

Ion Ratio Lower Upper

146 100

111 40.2 28.8 53.4

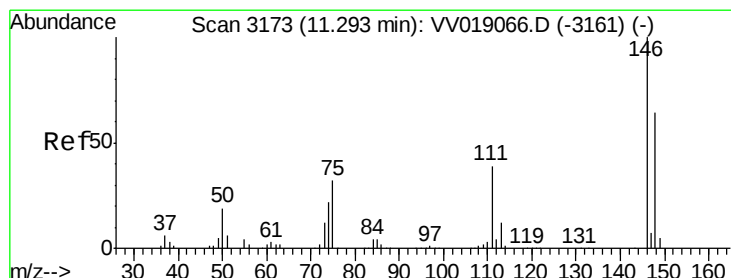
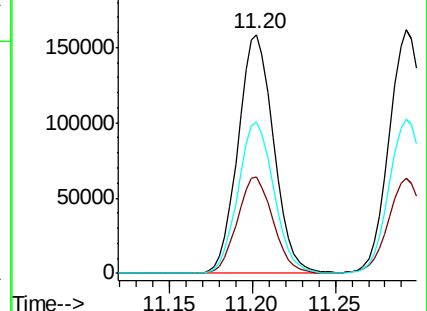
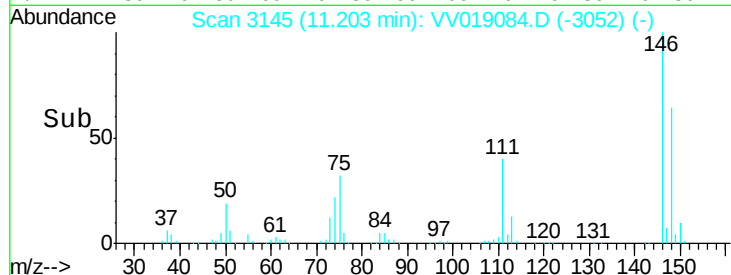
148 63.7 44.5 82.7



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: 49.810 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

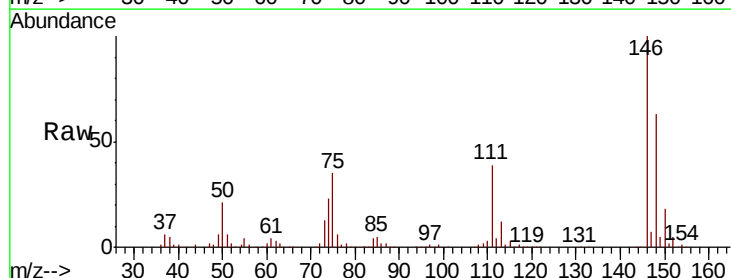
Tgt Ion:146 Resp: 245273

Ion Ratio Lower Upper

146 100

111 39.1 27.8 51.6

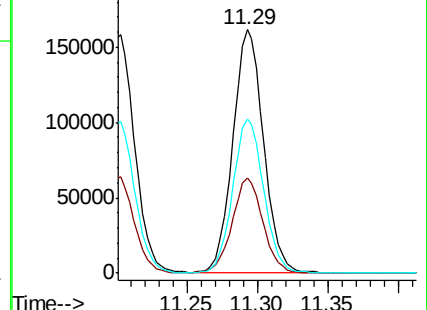
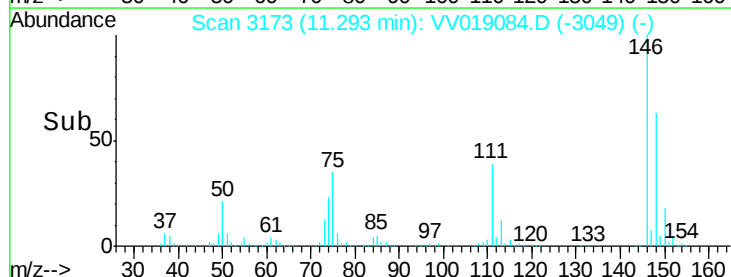
148 63.4 45.1 83.9

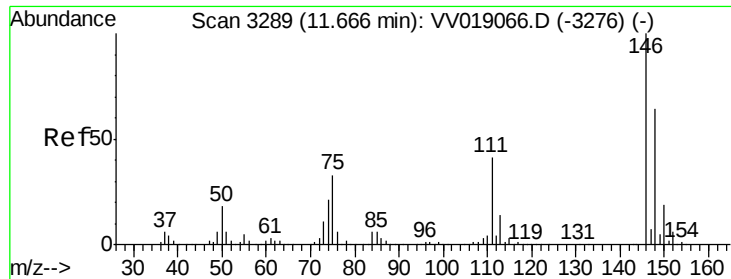


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.879 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

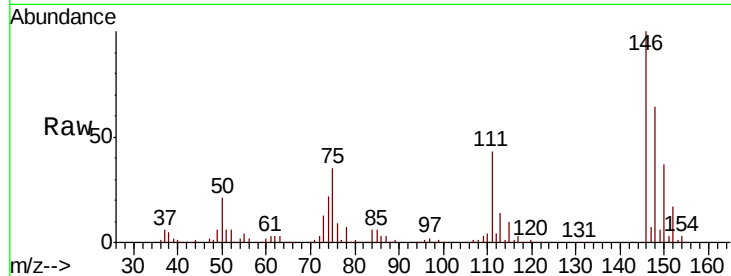
Tot Ion:146 Resp: 236993

Ion Ratio Lower Upper

146 100

111 43.3 33.3 49.9

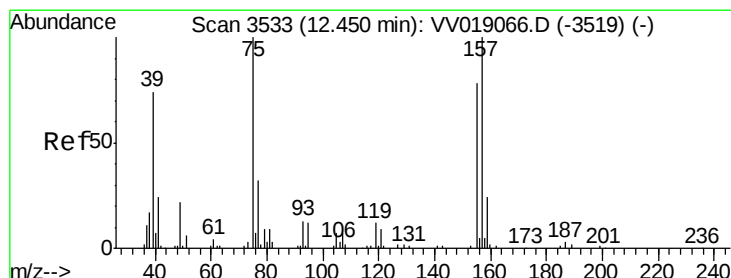
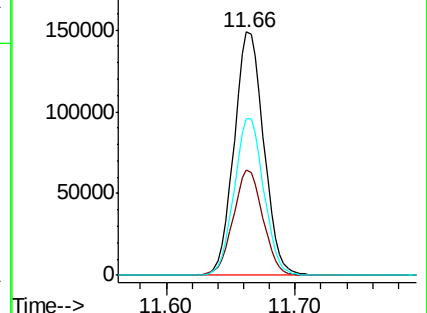
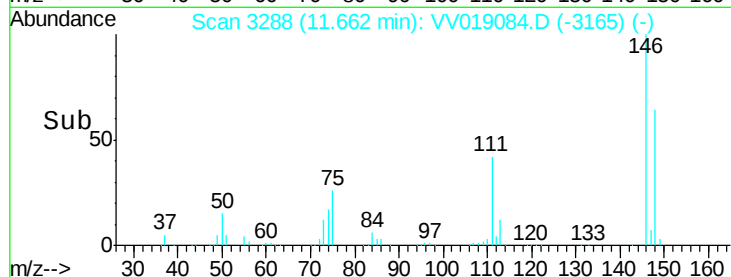
148 64.5 51.1 76.7



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



#66

1,2-Dibromo-3-chloropropane

Concen: 49.170 ug/L

RT: 12.45 min Scan# 3532

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

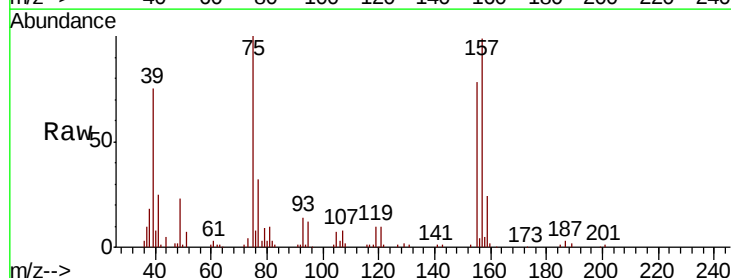
Tgt Ion: 75 Resp: 41275

Ion Ratio Lower Upper

75 100

155 78.1 62.2 93.4

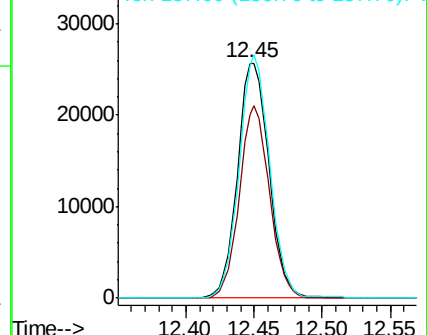
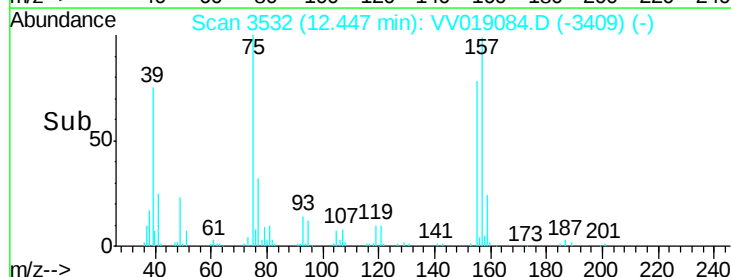
157 99.1 79.9 119.9

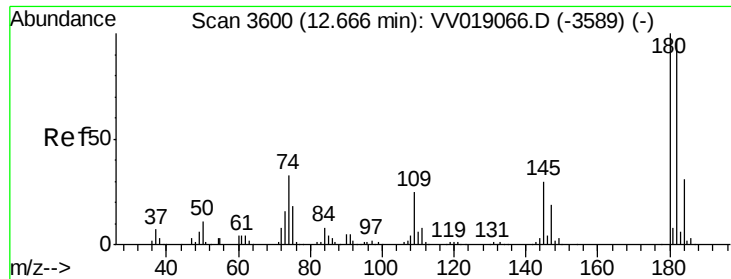


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

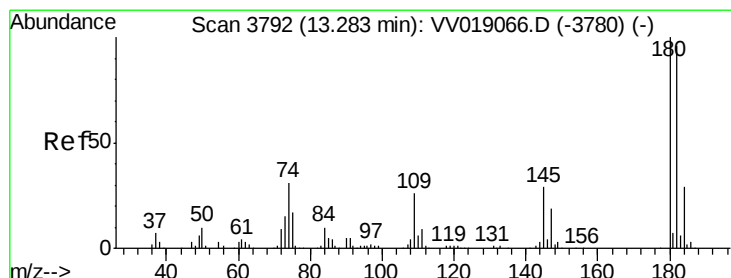
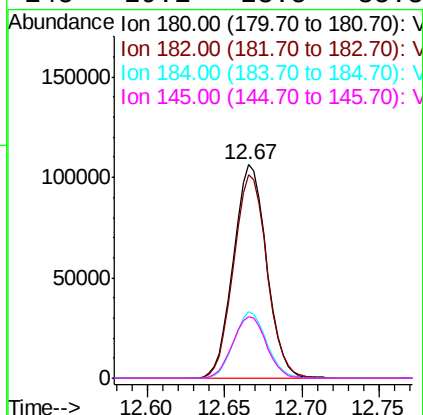
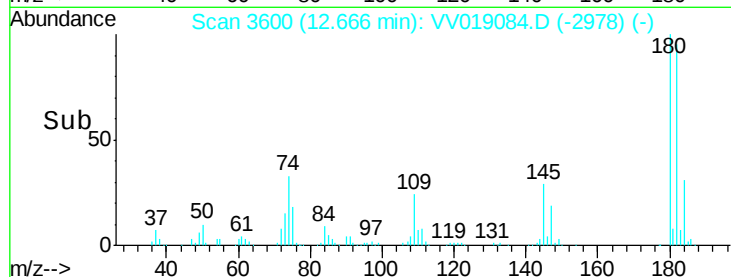
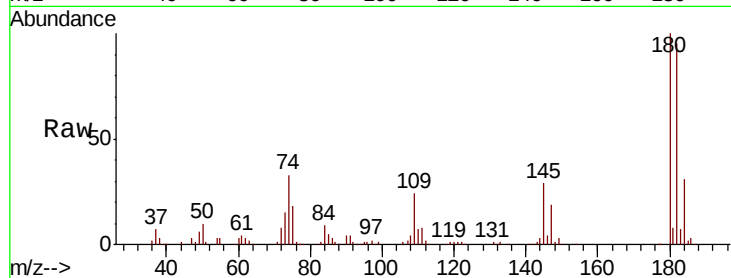




#67
 1,3,5-Trichlorobenzene
 Concen: 49.354 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV019084.D
 Acq: 22 Oct 2020 21:45

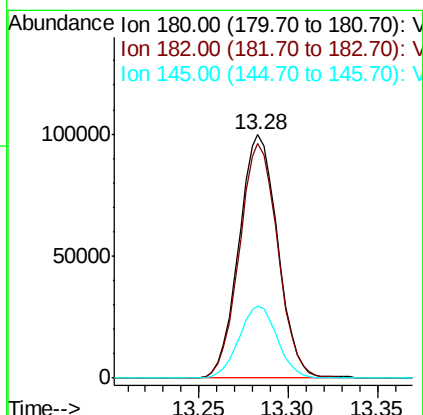
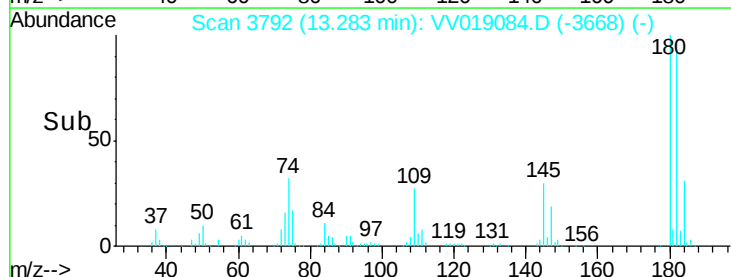
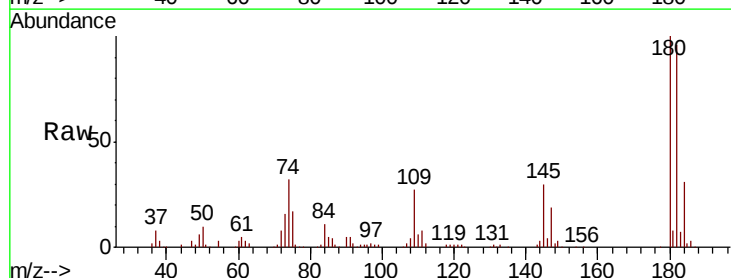
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

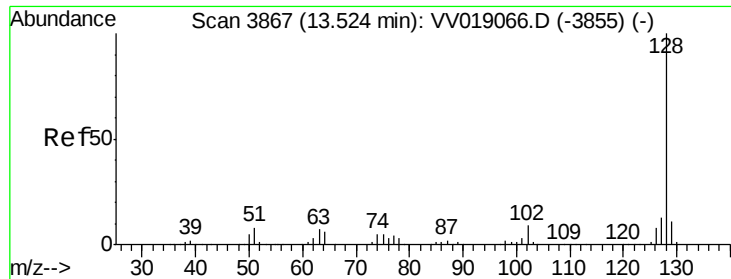
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.4	116.0
184	30.7	24.7	37.1
145	29.1	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 49.717 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019084.D
 Acq: 22 Oct 2020 21:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.4	116.2
145	29.4	23.7	35.5





#69

Naphthalene

Concen: 52.832 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

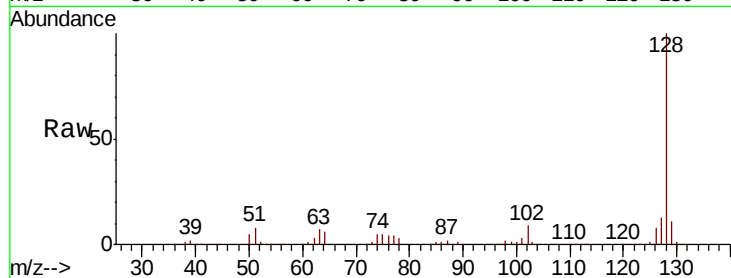
Tot Ion:128 Resp: 493931

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

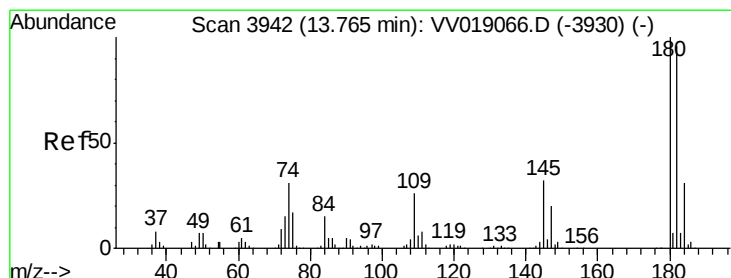
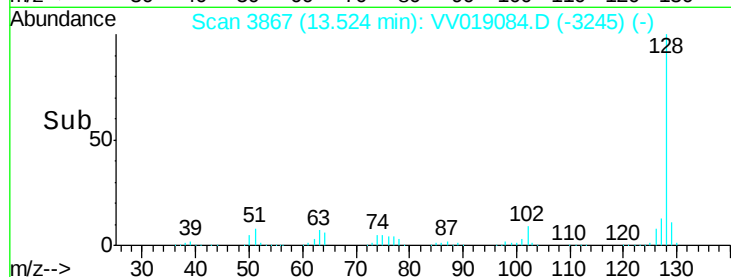
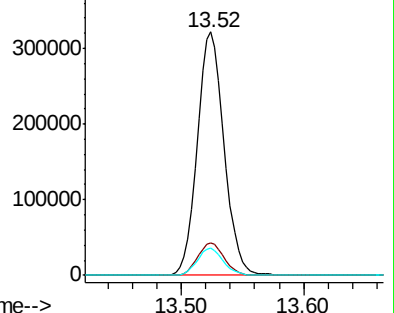
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.650 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV019084.D

Acq: 22 Oct 2020 21:45

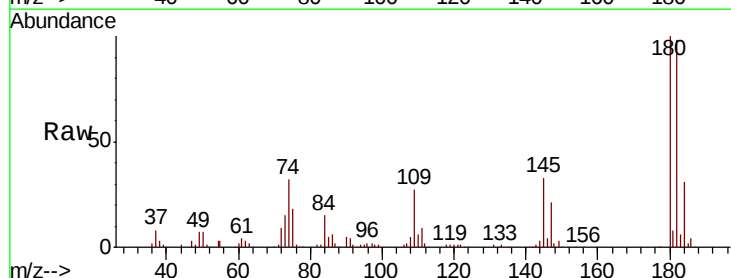
Tgt Ion:180 Resp: 155717

Ion Ratio Lower Upper

180 100

182 94.9 76.9 115.3

145 32.3 25.6 38.4



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

