

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120720\
 Data File : VV019487.D
 Acq On : 07 Dec 2020 12:30
 Operator : SY/MD
 Sample : VSTD01066
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

Quant Time: Dec 07 13:36:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 07 13:33:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	338363	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	328814	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	159800	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21717	6.82	ug/L	0.00
7) Chloroethane-d5	1.58	69	21262	8.14	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	49348	8.45	ug/L	0.00
21) 2-Butanone-d5	3.92	46	30303	15.31	ug/L	0.02
24) Chloroform-d	4.38	84	49163	9.13	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	33962	9.57	ug/L	0.00
32) Benzene-d6	5.07	84	90225	9.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	30851	9.55	ug/L	0.00
41) Toluene-d8	7.34	98	77309	8.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	14488	9.35	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	13011	10.81	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.23	84	34742	8.42	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	28759	9.36	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	15484	6.169 ug/L	97
3) Chloromethane	1.25	50	16865	5.117 ug/L	98
5) Vinyl chloride	1.32	62	20379	6.232 ug/L	99
6) Bromomethane	1.53	94	15854	7.417 ug/L	99
8) Chloroethane	1.60	64	16166	7.659 ug/L	95
9) Trichlorofluoromethane	1.77	101	33915	8.045 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	20062	8.730 ug/L	98
12) 1,1-Dichloroethene	2.13	96	18314	7.802 ug/L	94
13) Acetone	2.18	43	41399	24.971 ug/L	98
14) Carbon disulfide	2.31	76	49302	7.319 ug/L	99
15) Methyl Acetate	2.45	43	30528	9.499 ug/L	96
16) Methylene chloride	2.52	84	25349	9.027 ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	20396	8.584 ug/L	97
18) Methyl tert-butyl Ether	2.78	73	73364	9.420 ug/L	99
19) 1,1-Dichloroethane	3.21	63	48474	9.688 ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	23012	8.730 ug/L	92
22) 2-Butanone	3.99	43	44664	20.804 ug/L	90
23) Bromochloromethane	4.28	128	12033	8.679 ug/L	97
25) Chloroform	4.40	83	48027	9.559 ug/L	99
27) 1,2-Dichloroethane	5.15	62	39015	9.810 ug/L	100
29) Cyclohexane	4.70	56	30611	8.887 ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	39962	10.038 ug/L	100
31) Carbon tetrachloride	4.85	117	32516	9.582 ug/L	99
33) Benzene	5.13	78	92304	9.447 ug/L	100
34) Trichloroethene	5.94	95	27720	10.172 ug/L	96
35) Methylcyclohexane	6.15	83	28819	8.972 ug/L	97
37) 1,2-Dichloropropane	6.20	63	27378	9.953 ug/L	98
38) Bromodichloromethane	6.53	83	34783	9.597 ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	35801	8.927 ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	74751	19.102 ug/L	99

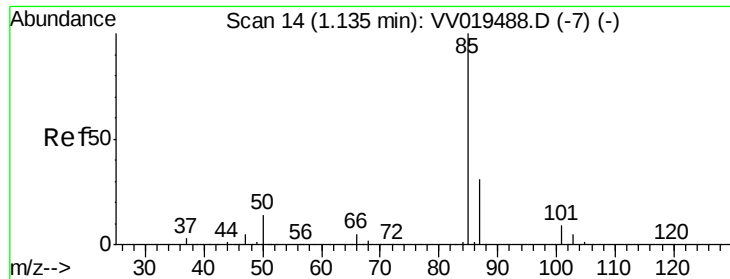
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120720\
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 Quant Title : VOC Analysis
 QLast Update : Mon Dec 07 13:33:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	91416	9.074	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	36330	9.106	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	25402	10.026	ug/L	96
46) Tetrachloroethene	7.99	164	16067	8.698	ug/L	97
48) 2-Hexanone	8.16	43	61311	19.758	ug/L	96
49) Dibromochloromethane	8.27	129	25209	9.106	ug/L	100
50) 1,2-Dibromoethane	8.37	107	24478	9.210	ug/L #	100
51) Chlorobenzene	8.90	112	61471	9.262	ug/L	98
52) Ethylbenzene	9.03	91	94965	8.758	ug/L	98
53) m,p-Xylene	9.16	106	34198	8.605	ug/L	93
54) o-xylene	9.56	106	31695	8.195	ug/L	96
55) Styrene	9.58	104	55002	7.926	ug/L	99
56) Isopropylbenzene	9.95	105	87470	8.551	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	34965	8.986	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	34438	9.680	ug/L	99
61) Bromoform	9.75	173	16986	9.312	ug/L #	97
62) 1,3-Dichlorobenzene	11.20	146	45347	9.764	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	47533	9.749	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	46291	9.687	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	8319	9.815	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	32115	9.430	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	24997	8.313	ug/L	98
69) Naphthalene	13.52	128	53030	6.931	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	26329	8.399	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 6.169 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

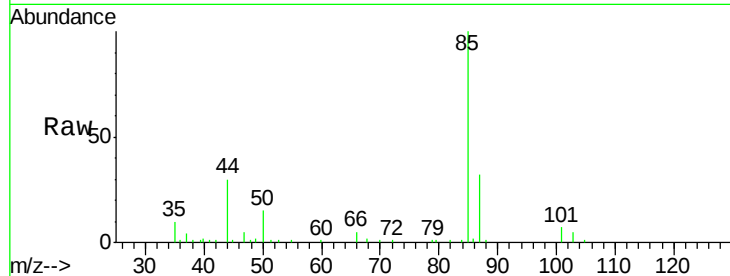
VSTD01066

Tgt Ion: 85 Resp: 15484

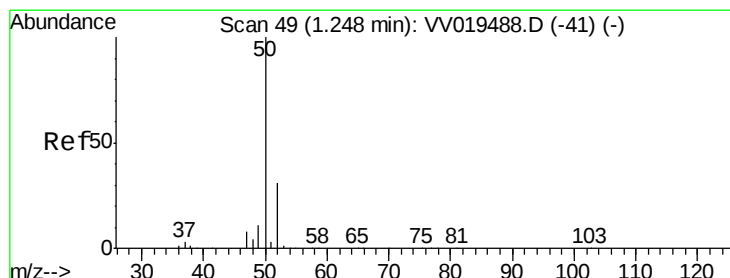
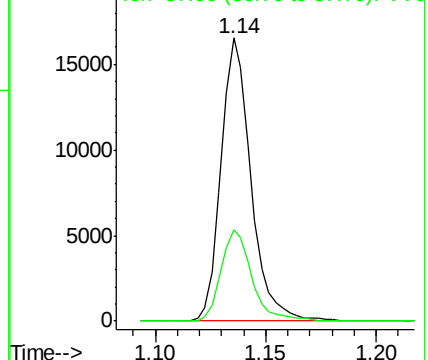
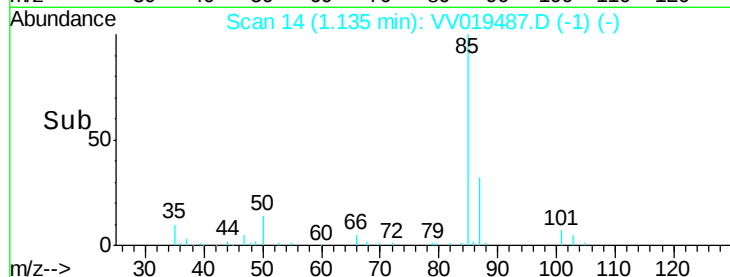
Ion Ratio Lower Upper

85 100

87 33.3 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV019487.D (-1) (-)



#3

Chloromethane

Concen: 5.117 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019487.D

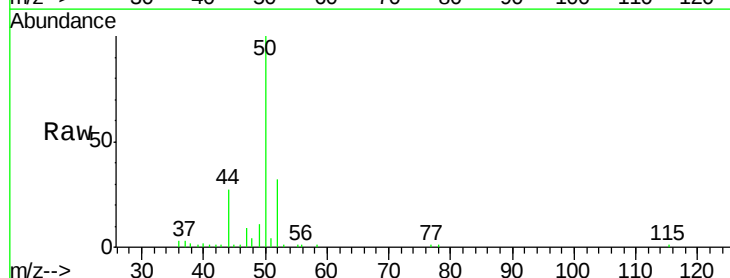
Acq: 07 Dec 2020 12:30

Tgt Ion: 50 Resp: 16865

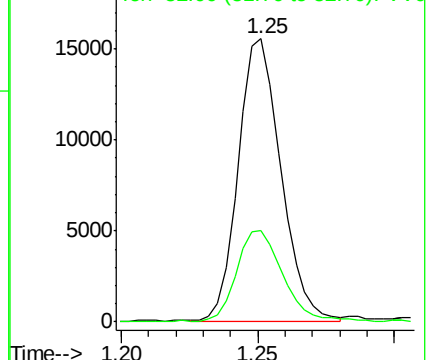
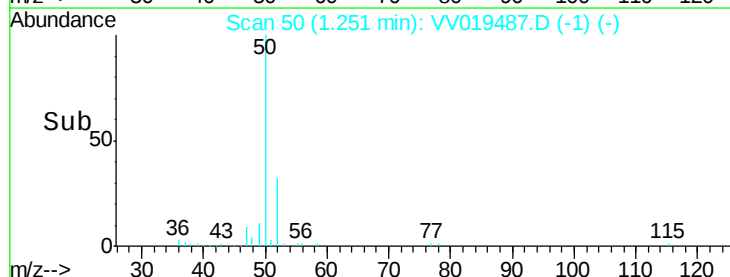
Ion Ratio Lower Upper

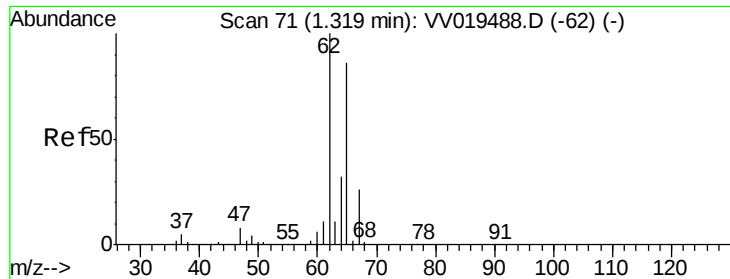
50 100

52 32.3 21.7 40.3



Abundance Ion 50.00 (49.70 to 50.70): VV019487.D (-1) (-)





#5

Vinyl chloride

Concen: 6.232 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

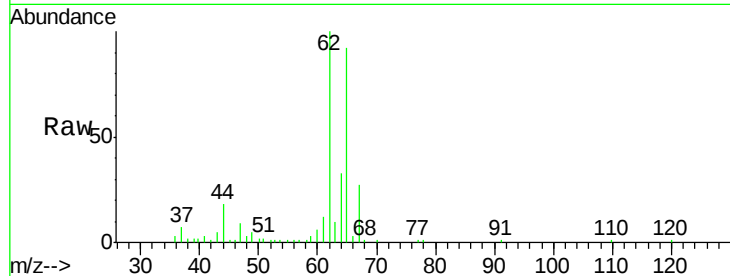
VSTD01066

Tgt Ion: 62 Resp: 20379

Ion Ratio Lower Upper

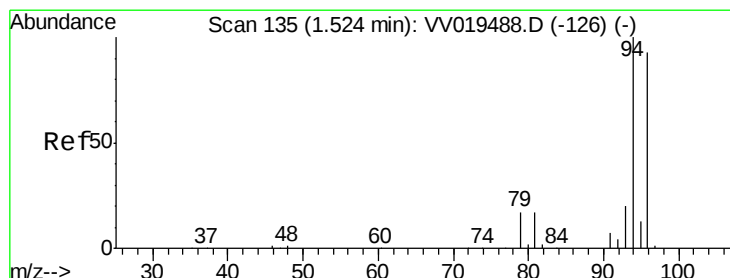
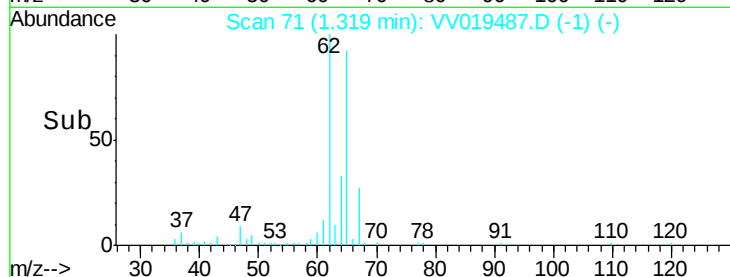
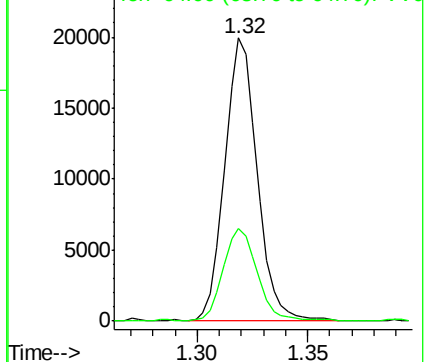
62 100

64 32.9 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 7.417 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.01 min

Lab File: VV019487.D

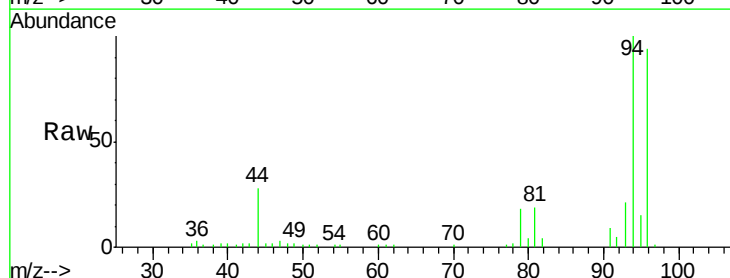
Acq: 07 Dec 2020 12:30

Tgt Ion: 94 Resp: 15854

Ion Ratio Lower Upper

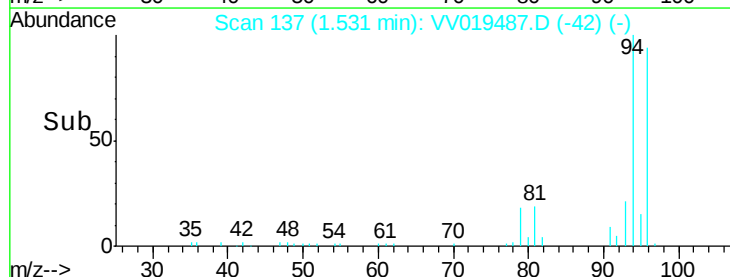
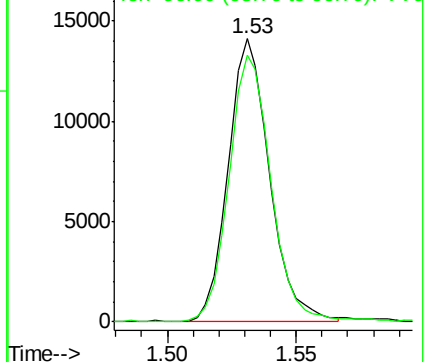
94 100

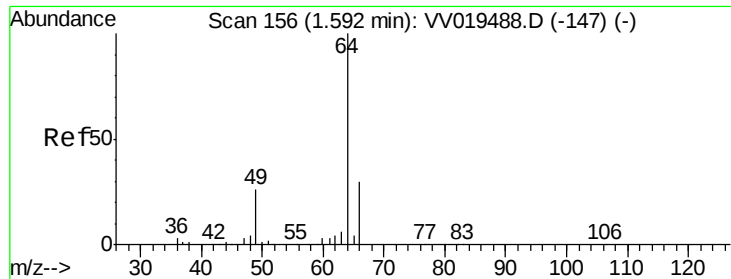
96 94.4 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

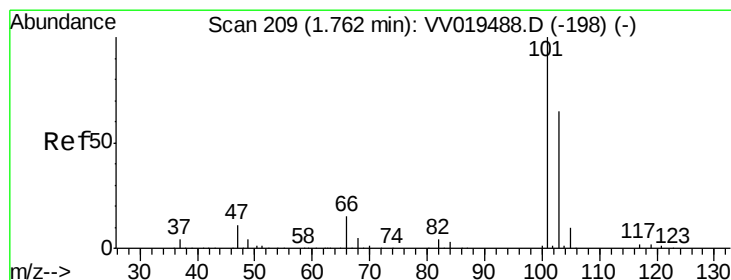
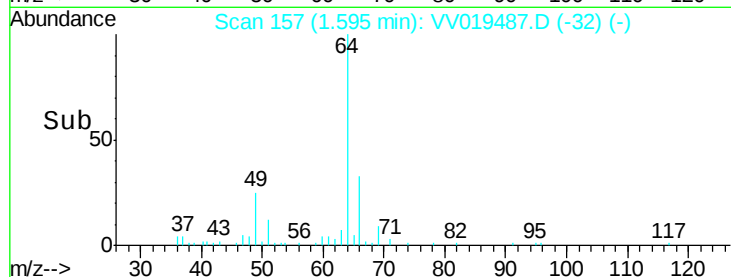
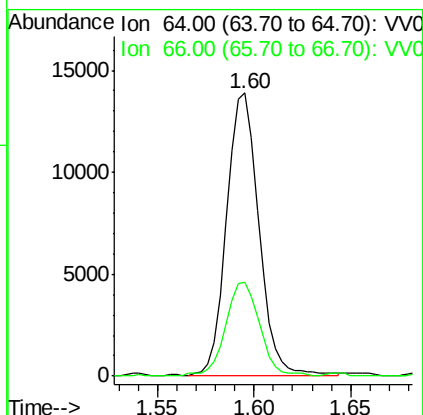
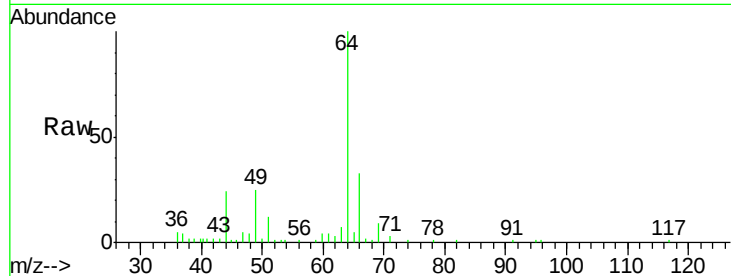




#8
Chloroethane
Concen: 7.659 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV019487.D
Acq: 07 Dec 2020 12:30

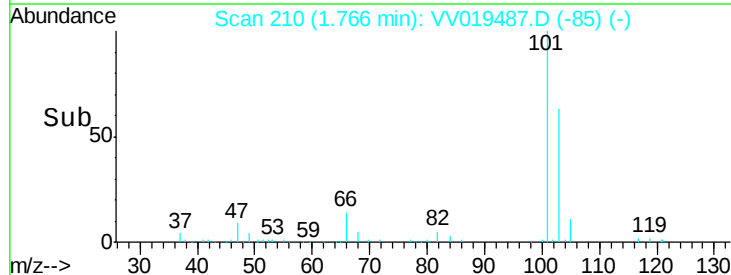
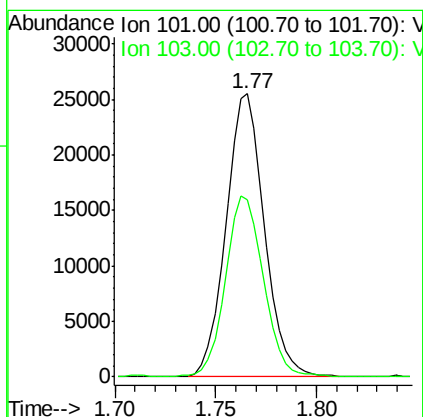
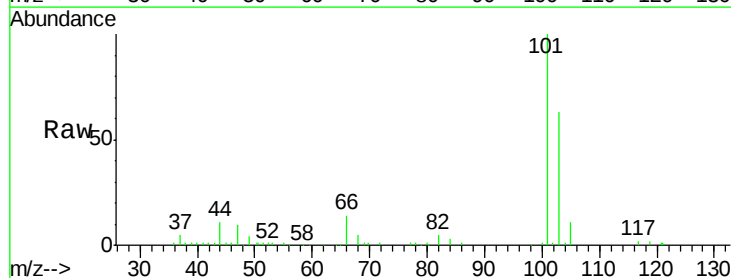
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

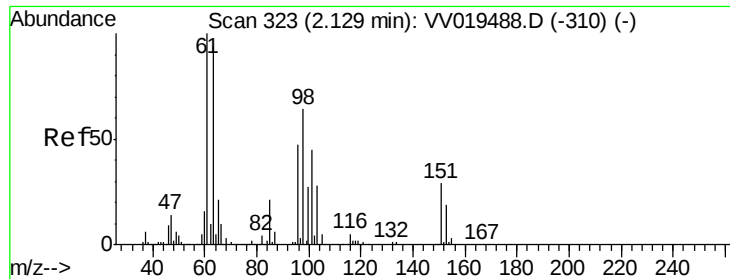
Tgt Ion: 64 Resp: 16166
Ion Ratio Lower Upper
64 100
66 33.1 21.4 39.8



#9
Trichlorofluoromethane
Concen: 8.045 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV019487.D
Acq: 07 Dec 2020 12:30

Tgt Ion: 101 Resp: 33915
Ion Ratio Lower Upper
101 100
103 63.5 51.5 77.3





#10

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

Concen: 8.730 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

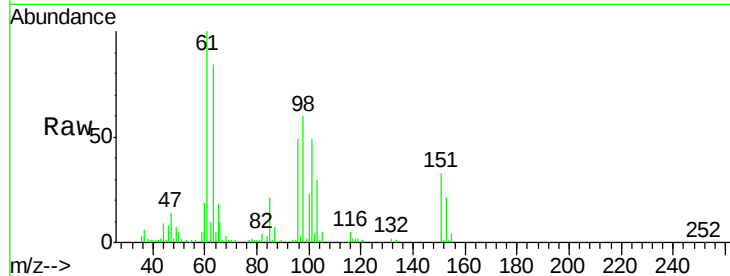
Tgt Ion:101 Resp: 20062

Ion Ratio Lower Upper

101 100

85 46.5 37.3 55.9

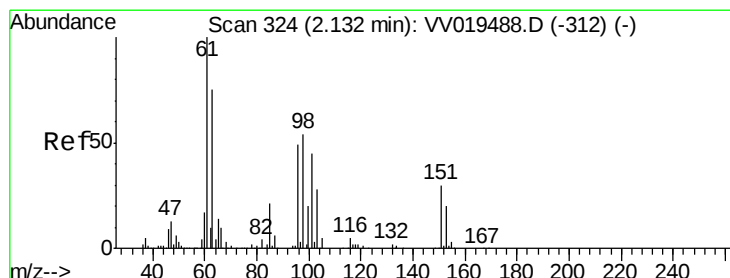
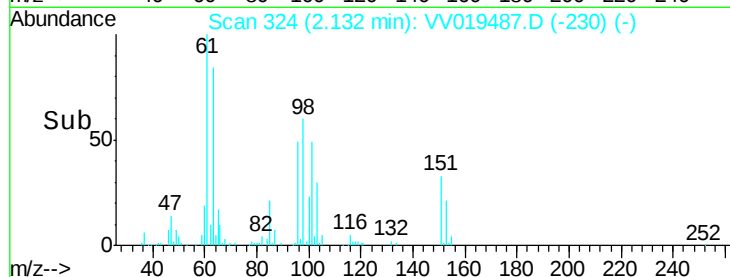
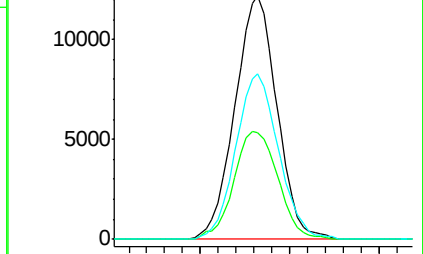
151 69.2 53.3 79.9



Abundance Ion 101.00 (100.70 to 101.70): VV019487.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV019487.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV019487.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 7.802 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

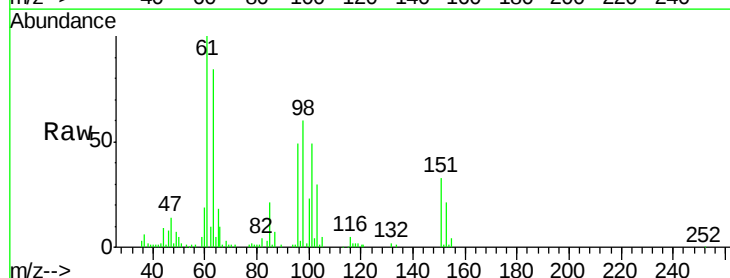
Tgt Ion: 96 Resp: 18314

Ion Ratio Lower Upper

96 100

61 203.8 144.8 268.8

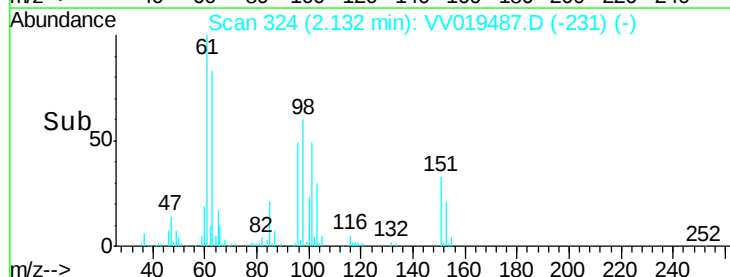
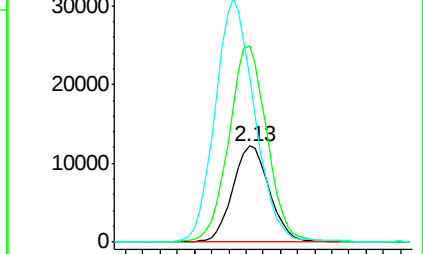
63 170.4 110.0 204.2

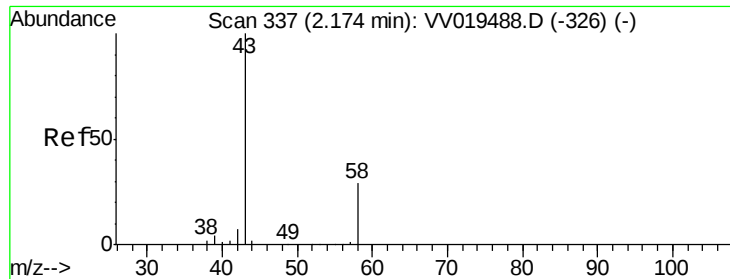


Abundance Ion 96.00 (95.70 to 96.70): VV019487.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV019487.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019487.D (-231) (-)





#13

Acetone

Concen: 24.971 ug/L

RT: 2.18 min Scan# 339

Delta R.T. 0.01 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

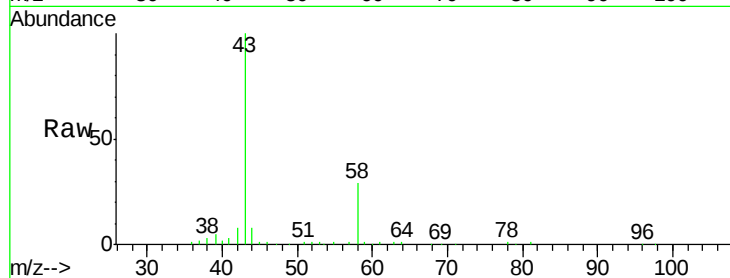
VSTD01066

Tgt Ion: 43 Resp: 41399

Ion Ratio Lower Upper

43 100

58 29.9 0.0 58.0



Abundance Ion 43.00 (42.70 to 43.70): VV019488.D (-326) (-)

Ion 58.00 (57.70 to 58.70): VV019488.D (-326) (-)

25000

20000

15000

10000

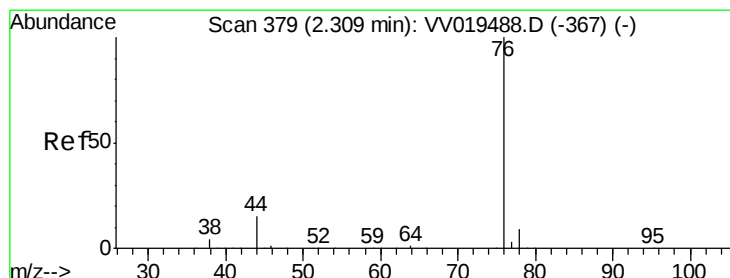
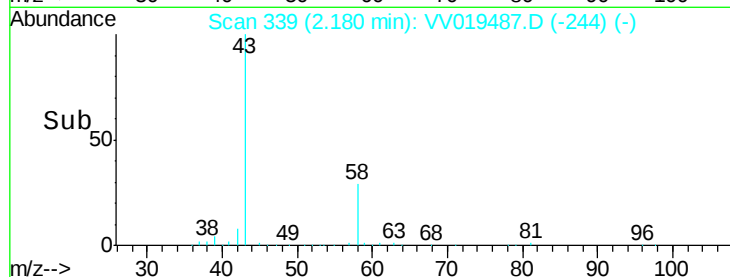
5000

0

2.18

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 7.319 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019487.D

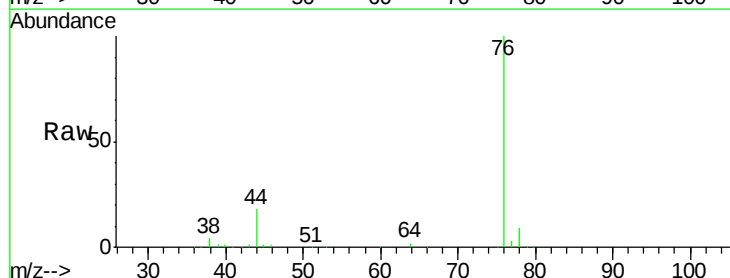
Acq: 07 Dec 2020 12:30

Tgt Ion: 76 Resp: 49302

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019488.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV019488.D (-367) (-)

30000

20000

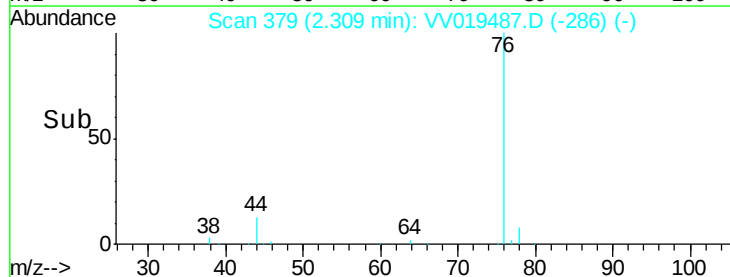
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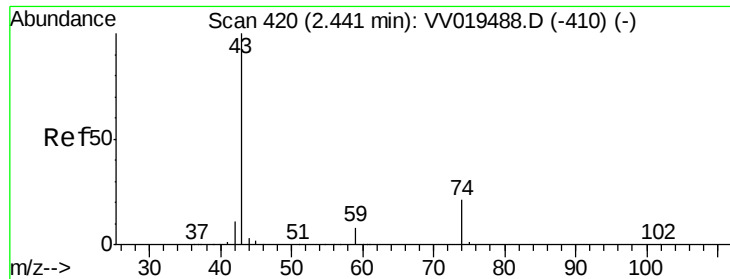
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2.31

2.25 2.30 2.35 2.40

Time-->

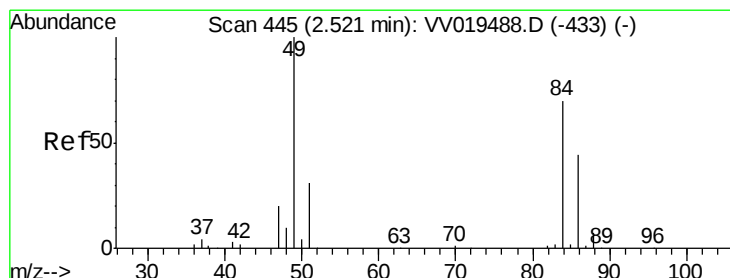
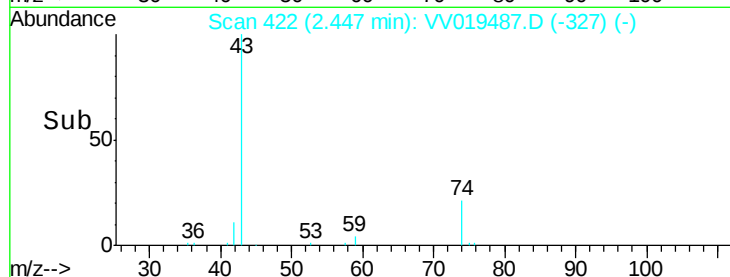
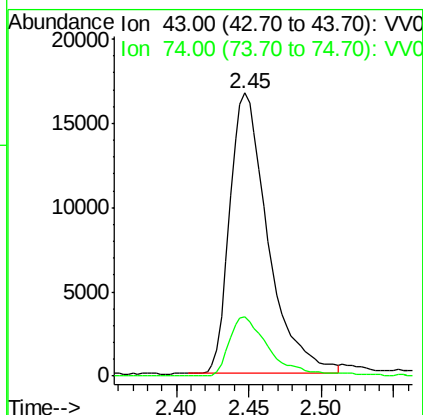
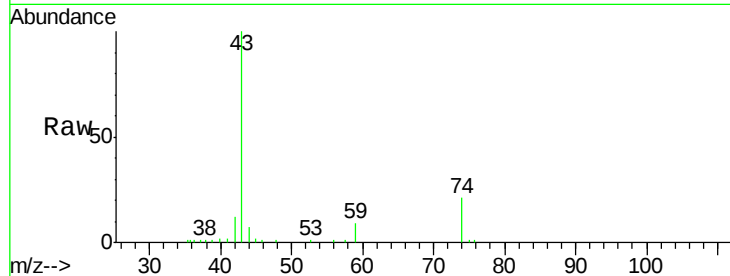




#15
Methyl Acetate
Concen: 9.499 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.01 min
Lab File: VV019487.D
Acq: 07 Dec 2020 12:30

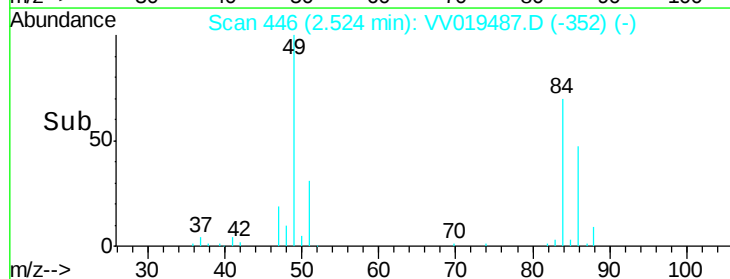
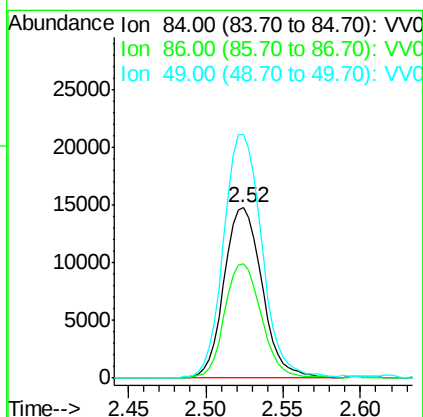
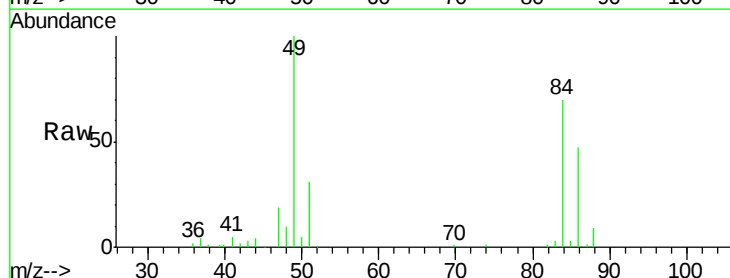
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

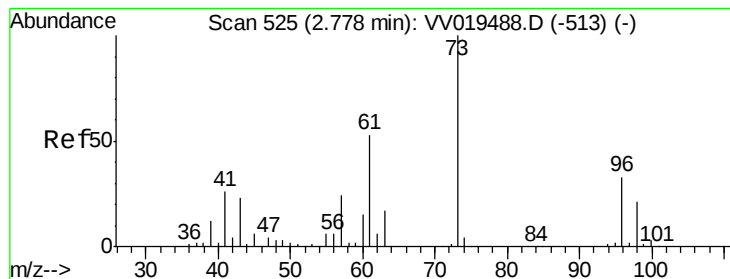
Tgt Ion: 43 Resp: 30528
Ion Ratio Lower Upper
43 100
74 22.1 16.2 24.4



#16
Methylene chloride
Concen: 9.027 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019487.D
Acq: 07 Dec 2020 12:30

Tgt Ion: 84 Resp: 25349
Ion Ratio Lower Upper
84 100
86 67.0 44.4 82.4
49 143.1 100.4 186.4





#17

trans-1,2-Dichloroethene

Concen: 8.584 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

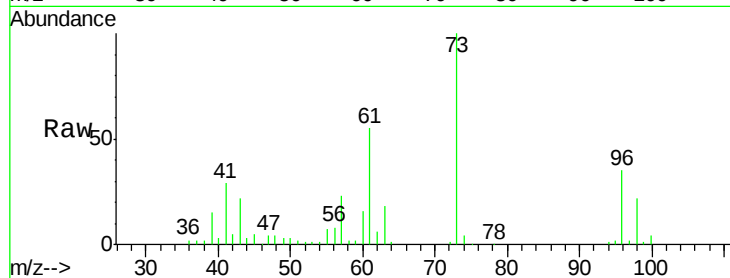
Tgt Ion: 96 Resp: 20396

Ion Ratio Lower Upper

96 100

61 156.7 112.5 208.9

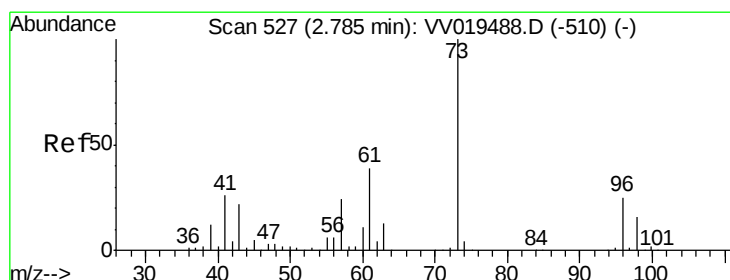
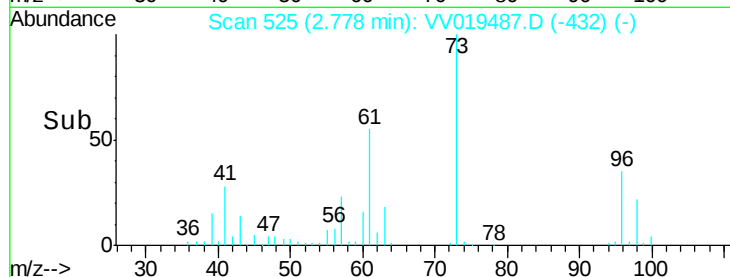
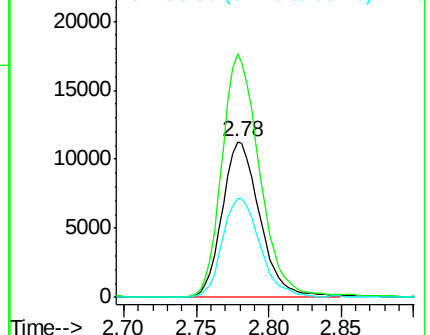
98 63.5 43.4 80.6



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: 9.420 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

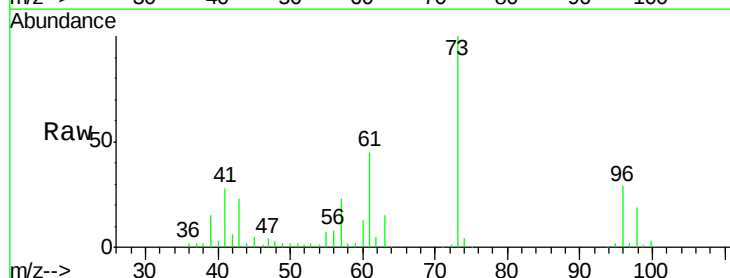
Tgt Ion: 73 Resp: 73364

Ion Ratio Lower Upper

73 100

43 22.0 18.0 27.0

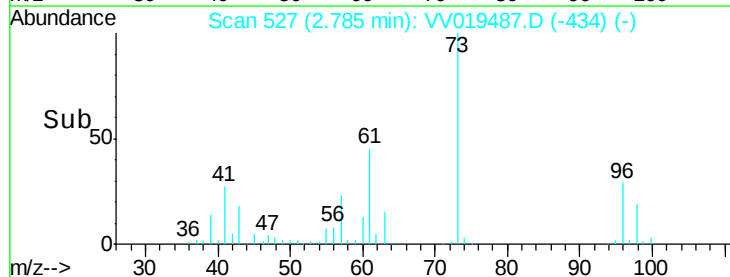
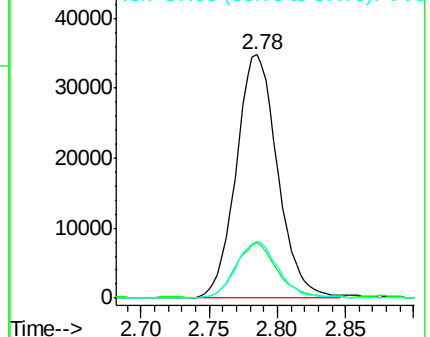
57 23.8 19.4 29.2

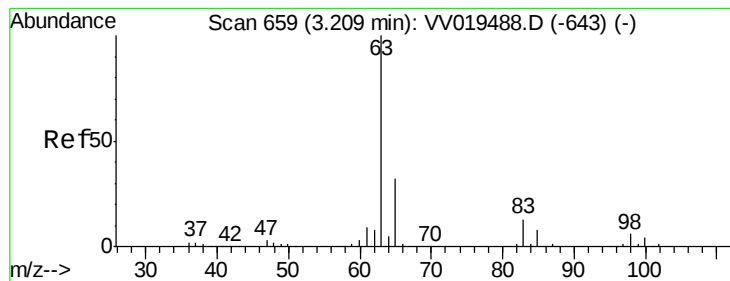


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 9.688 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

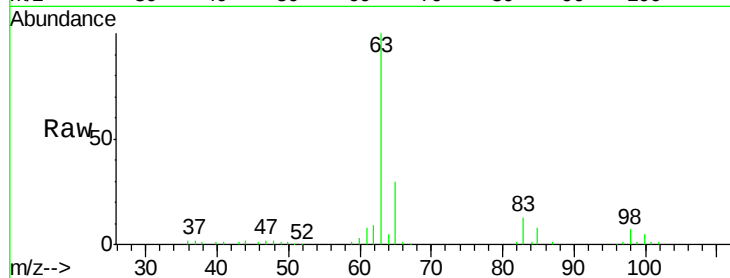
Tgt Ion: 63 Resp: 48474

Ion Ratio Lower Upper

63 100

65 29.5 22.2 41.2

83 12.7 9.2 17.2

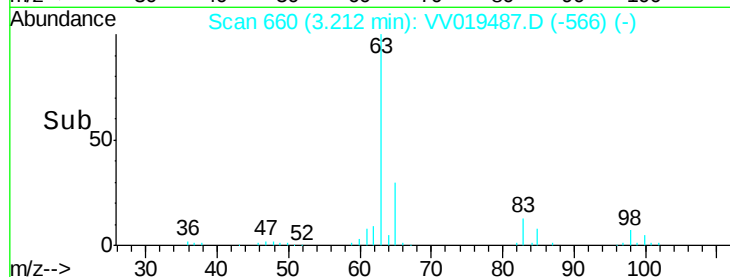


Abundance Ion 63.00 (62.70 to 63.70): VV019487.D (-660) (-)

Ion 65.00 (64.70 to 65.70): VV019487.D (-660) (-)

Ion 83.00 (82.70 to 83.70): VV019487.D (-660) (-)

Time-->



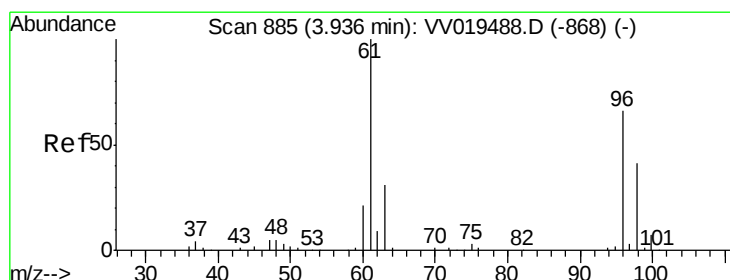
Abundance

Ion 63.00 (62.70 to 63.70): VV019487.D (-566) (-)

Ion 65.00 (64.70 to 65.70): VV019487.D (-566) (-)

Ion 83.00 (82.70 to 83.70): VV019487.D (-566) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 8.730 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

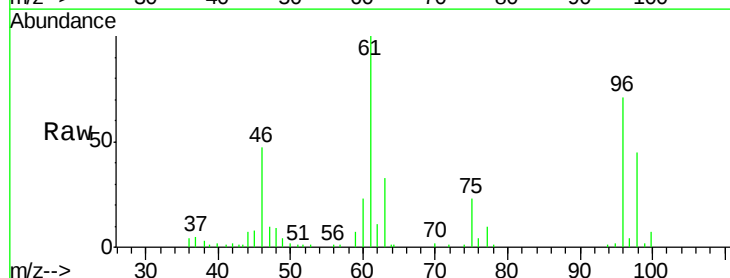
Tgt Ion: 96 Resp: 23012

Ion Ratio Lower Upper

96 100

61 141.4 106.2 197.2

68 0.0 0.0 0.0

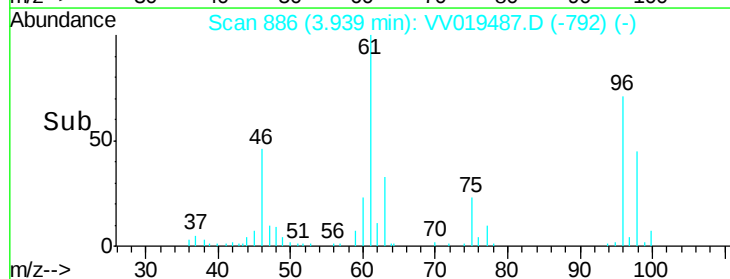


Abundance Ion 96.00 (95.70 to 96.70): VV019487.D (-886) (-)

Ion 61.00 (60.70 to 61.70): VV019487.D (-886) (-)

Ion 68.00 (67.70 to 68.70): VV019487.D (-886) (-)

Time-->



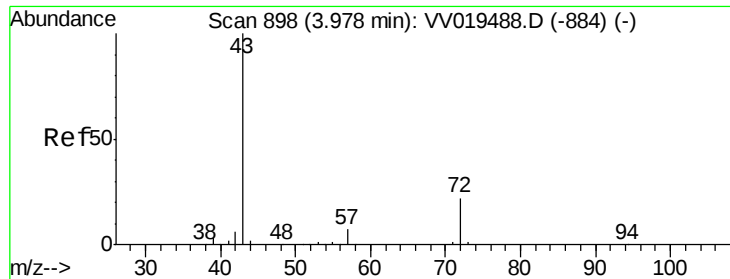
Abundance

Ion 96.00 (95.70 to 96.70): VV019487.D (-792) (-)

Ion 61.00 (60.70 to 61.70): VV019487.D (-792) (-)

Ion 68.00 (67.70 to 68.70): VV019487.D (-792) (-)

Time-->



#22

2-Butanone

Concen: 20.804 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.02 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

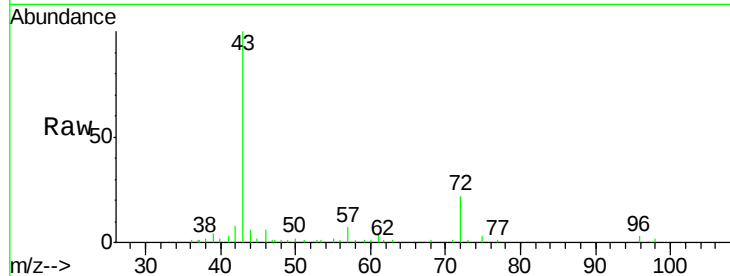
VSTD01066

Tgt Ion: 43 Resp: 44664

Ion Ratio Lower Upper

43 100

72 18.2 11.5 34.5



Abundance Ion 43.00 (42.70 to 43.70): VV019487.D (-805) (-)

Ion 72.00 (71.70 to 72.70): VV019487.D (-805) (-)

3.99

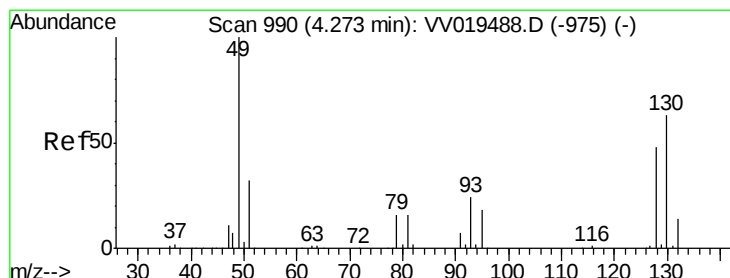
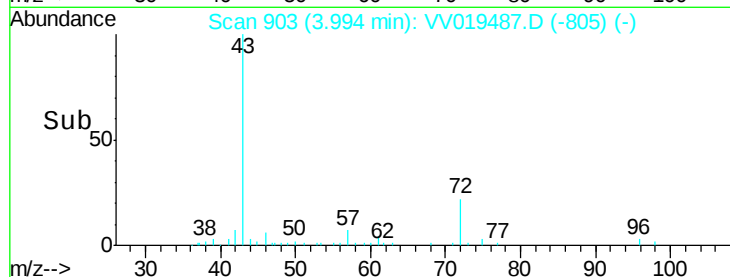
15000

10000

5000

0

Time-->



#23

Bromochloromethane

Concen: 8.679 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Tgt Ion: 128 Resp: 12033

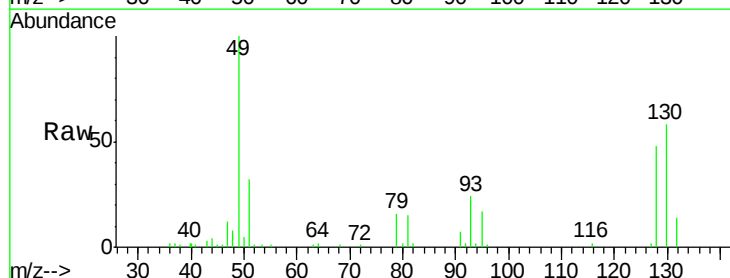
Ion Ratio Lower Upper

128 100

49 209.5 145.7 270.5

130 122.4 91.3 169.5

51 66.1 53.4 80.2



Abundance Ion 128.00 (127.70 to 128.70): VV019487.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV019487.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV019487.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV019487.D (-897) (-)

4.28

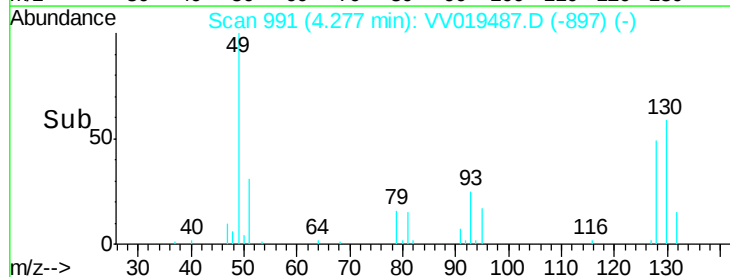
15000

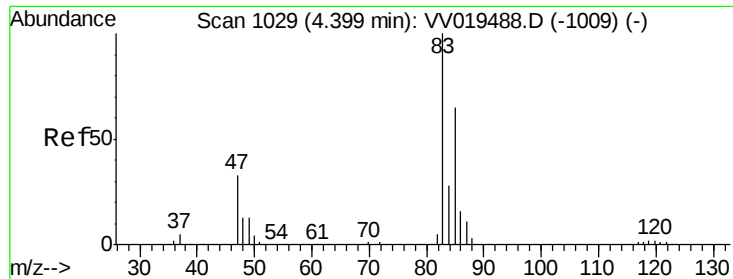
10000

5000

0

Time-->

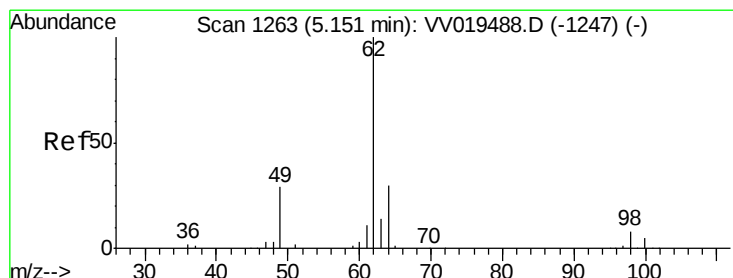
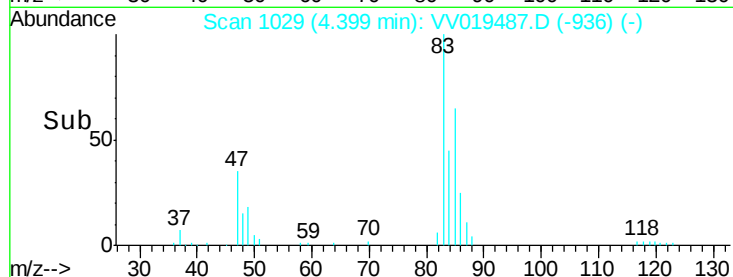
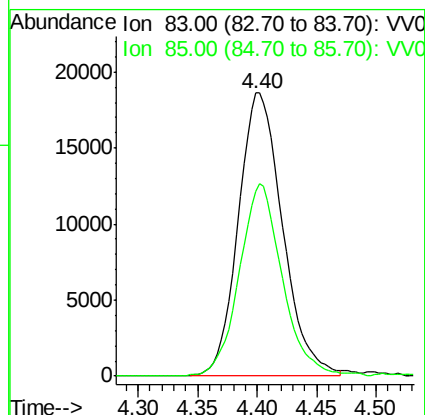
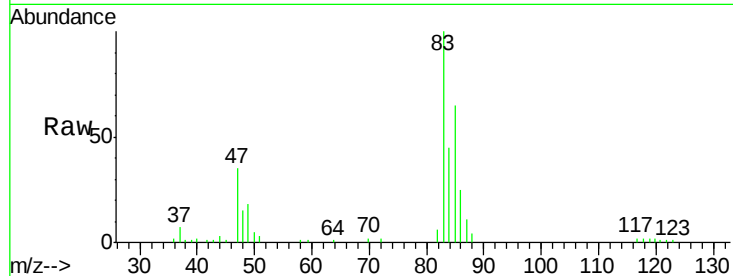




#25
Chloroform
Concen: 9.559 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV019487.D
Acq: 07 Dec 2020 12:30

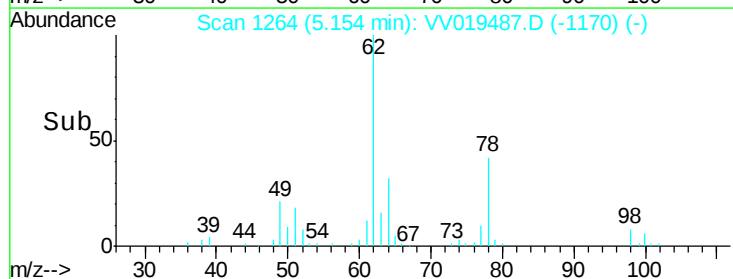
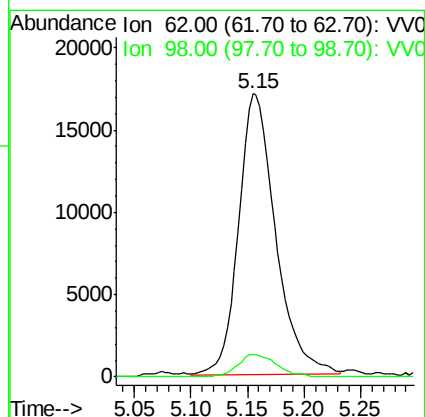
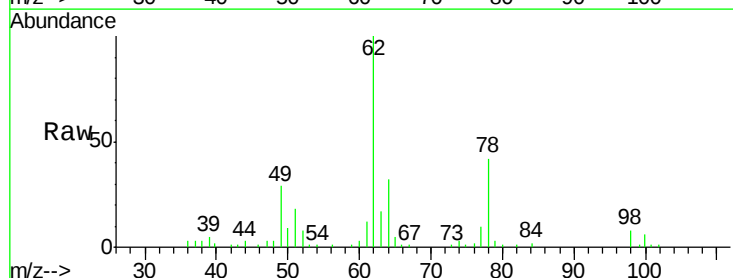
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

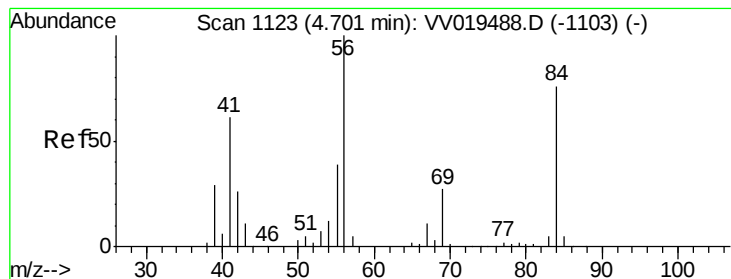
Tgt Ion: 83 Resp: 48027
Ion Ratio Lower Upper
83 100
85 65.5 45.4 84.2



#27
1,2-Dichloroethane
Concen: 9.810 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019487.D
Acq: 07 Dec 2020 12:30

Tgt Ion: 62 Resp: 39015
Ion Ratio Lower Upper
62 100
98 8.1 6.4 9.6





#29

Cyclohexane

Concen: 8.887 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

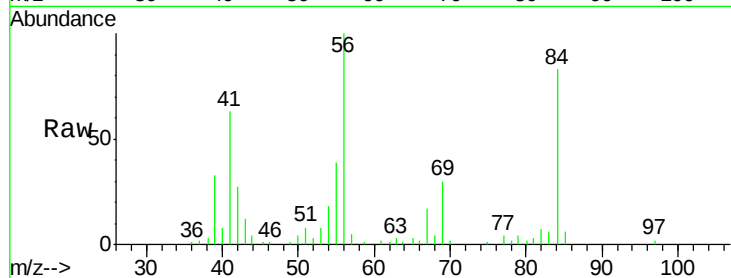
Tgt Ion: 56 Resp: 30611

Ion Ratio Lower Upper

56 100

69 30.1 22.6 34.0

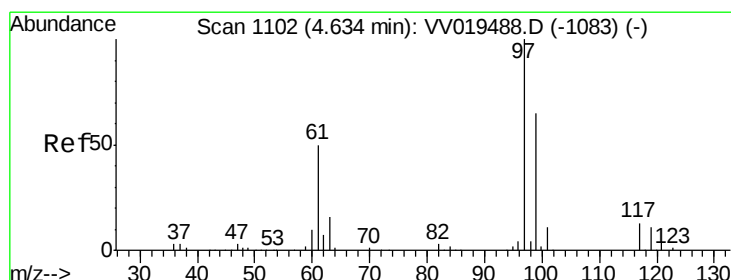
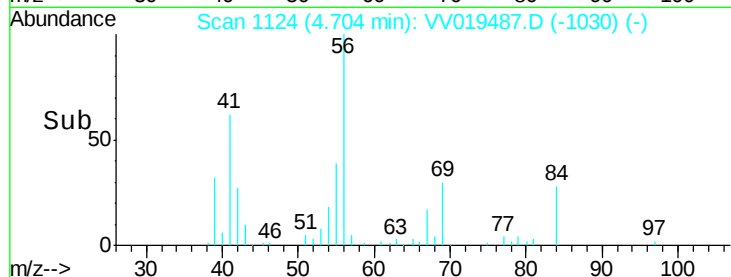
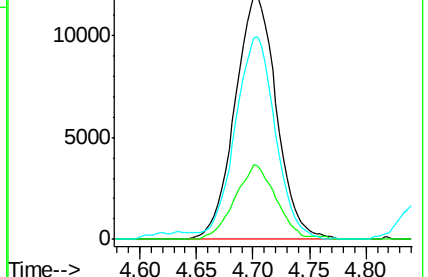
84 80.2 61.9 92.9



Abundance Ion 56.00 (55.70 to 56.70): VV019488.D (-1103) (-)

Ion 69.00 (68.70 to 69.70): VV019488.D (-1103) (-)

Ion 84.00 (83.70 to 84.70): VV019488.D (-1103) (-)



#30

1,1,1-Trichloroethane

Concen: 10.038 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

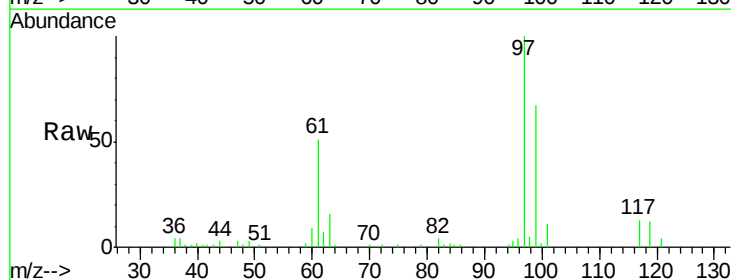
Tgt Ion: 97 Resp: 39962

Ion Ratio Lower Upper

97 100

99 63.7 51.3 76.9

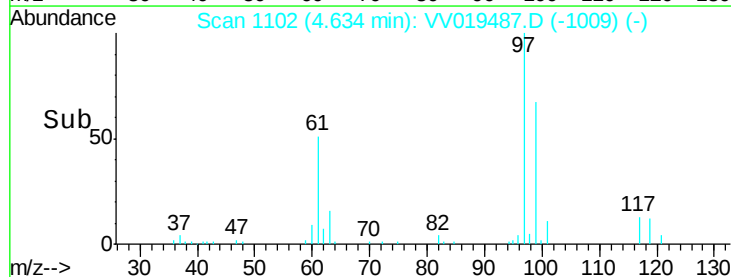
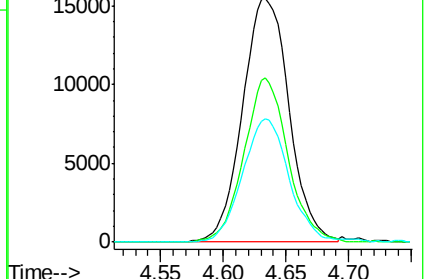
61 50.7 40.4 60.6

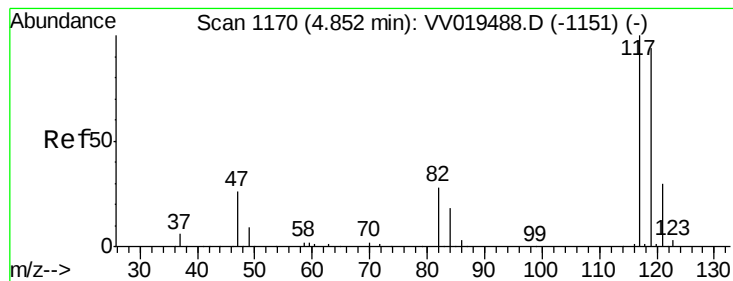


Abundance Ion 97.00 (96.70 to 97.70): VV019488.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV019488.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV019488.D (-1083) (-)





#31

Carbon tetrachloride

Concen: 9.582 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

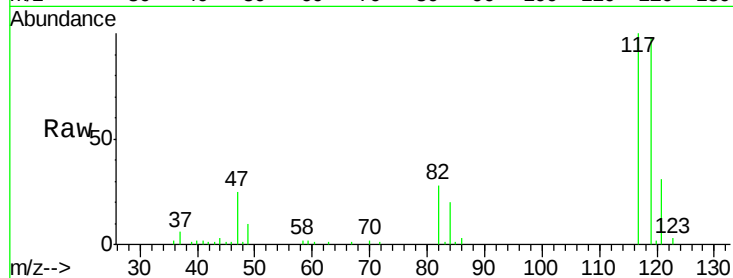
VSTD01066

Tgt Ion:117 Resp: 32516

Ion Ratio Lower Upper

117 100

119 95.0 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.85

15000

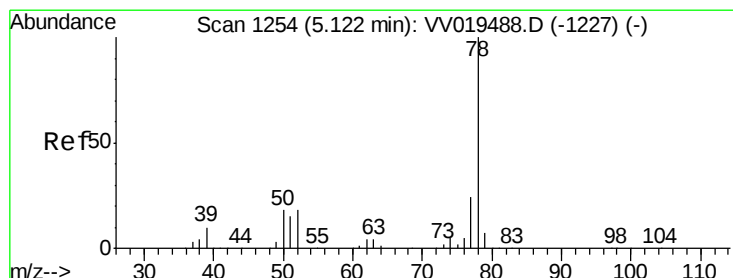
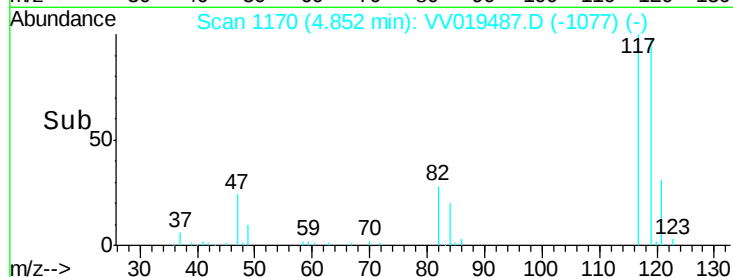
10000

5000

0

Time-->

4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 9.447 ug/L

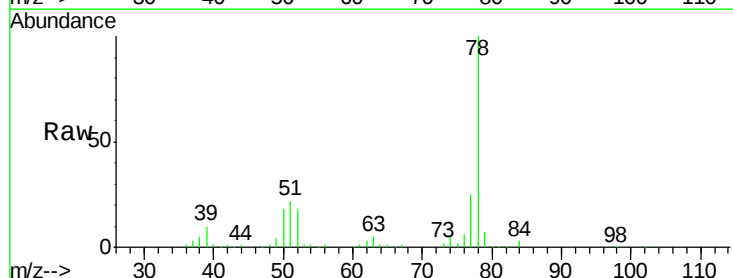
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Tgt Ion: 78 Resp: 92304



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

40000

30000

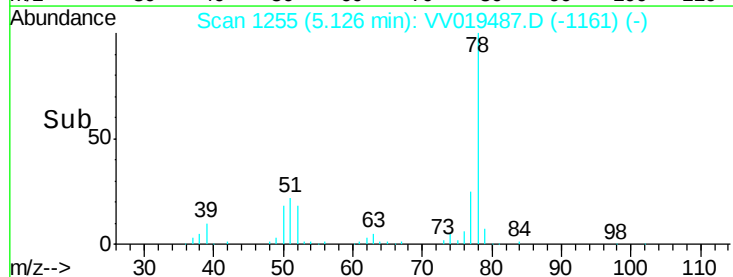
20000

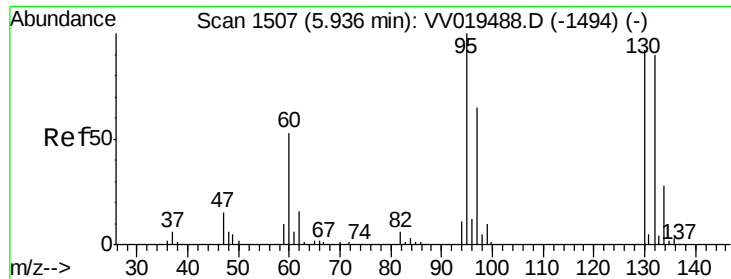
10000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 10.172 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

Tgt Ion: 95 Resp: 27720

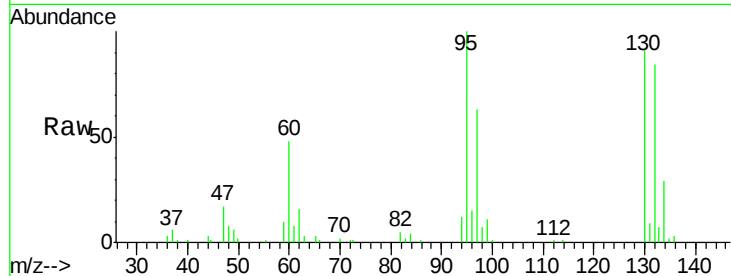
Ion Ratio Lower Upper

95 100

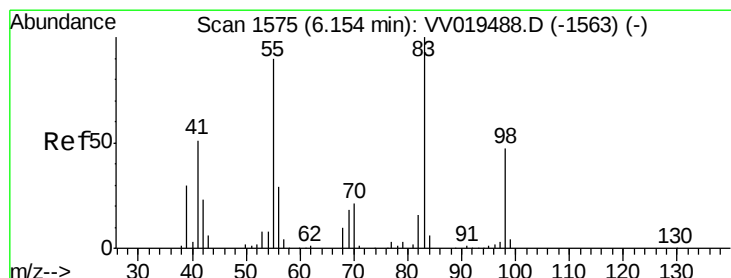
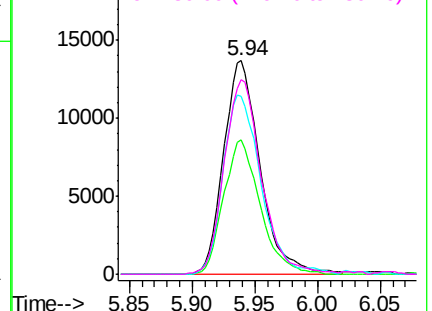
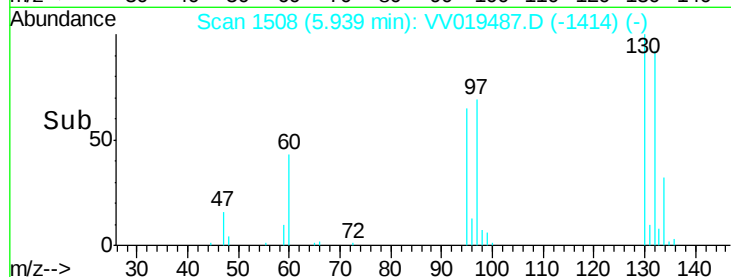
97 62.9 45.5 84.5

132 83.5 62.9 116.9

130 91.0 64.8 120.3



Abundance Ion 95.00 (94.70 to 95.70): VV019488.D (-1494) (-)



#35

Methylcyclohexane

Concen: 8.972 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

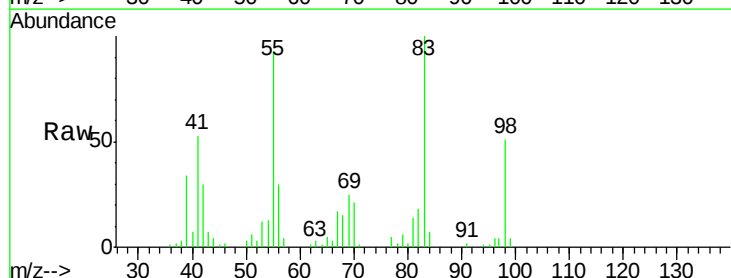
Tgt Ion: 83 Resp: 28819

Ion Ratio Lower Upper

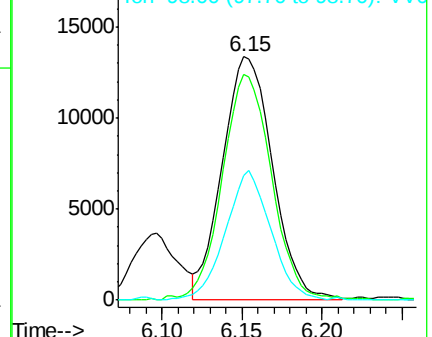
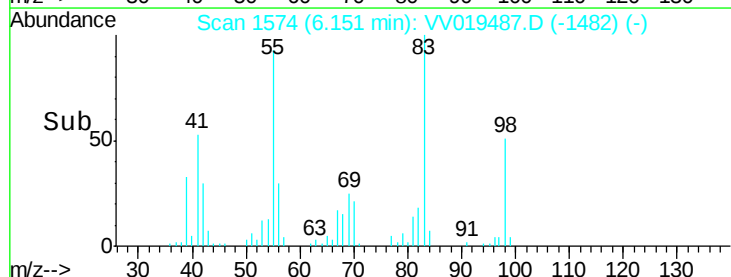
83 100

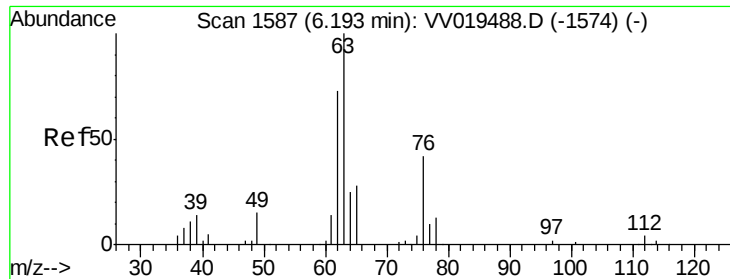
55 90.1 69.8 104.8

98 47.7 37.0 55.6



Abundance Ion 83.00 (82.70 to 83.70): VV019488.D (-1563) (-)

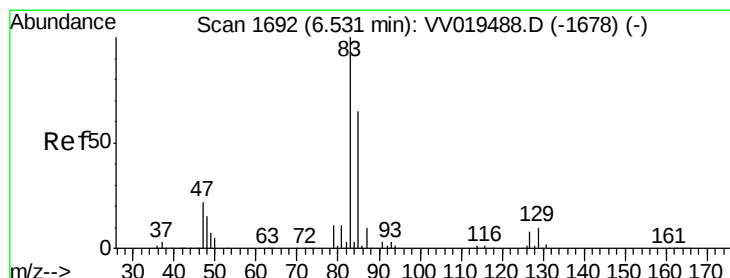
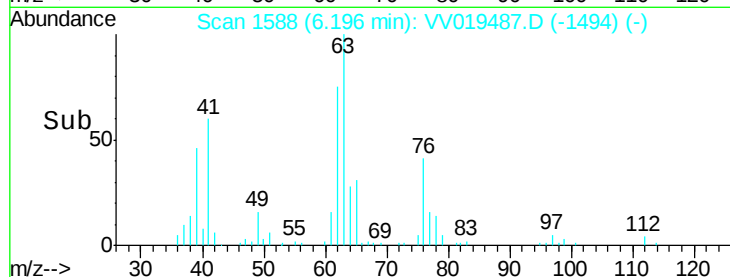
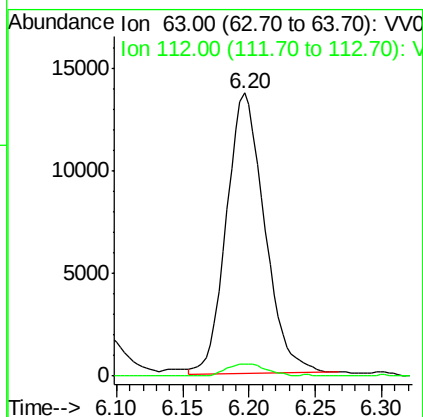
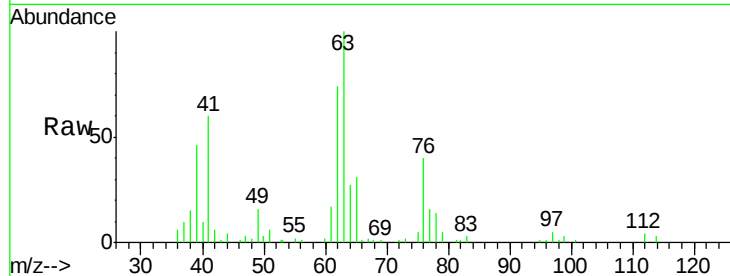




#37
 1,2-Dichloropropane
 Concen: 9.953 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV019487.D
 Acq: 07 Dec 2020 12:30

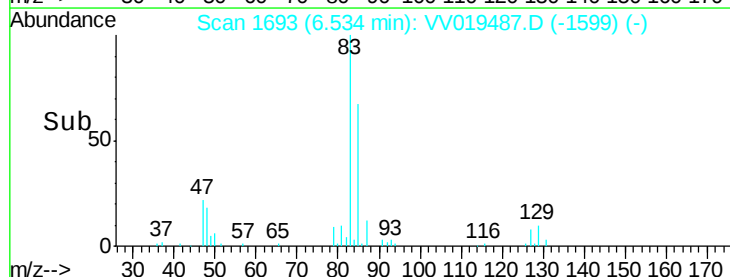
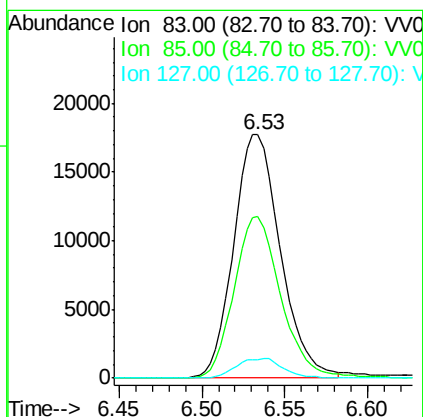
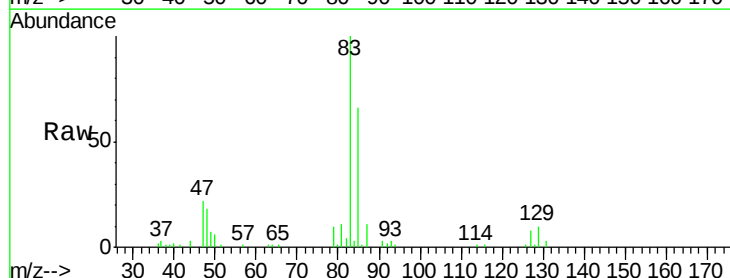
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

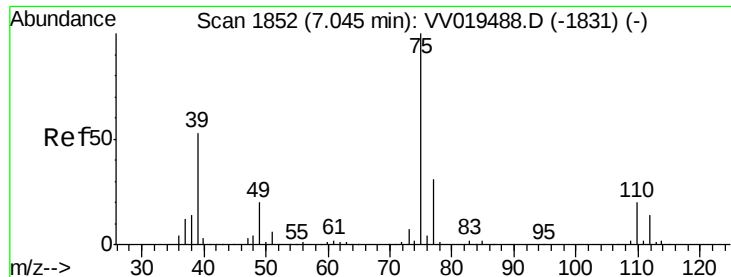
Tgt Ion: 63 Resp: 27378
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.1 4.7



#38
 Bromodichloromethane
 Concen: 9.597 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV019487.D
 Acq: 07 Dec 2020 12:30

Tgt Ion: 83 Resp: 34783
 Ion Ratio Lower Upper
 83 100
 85 66.2 45.5 84.5
 127 7.7 6.4 9.6

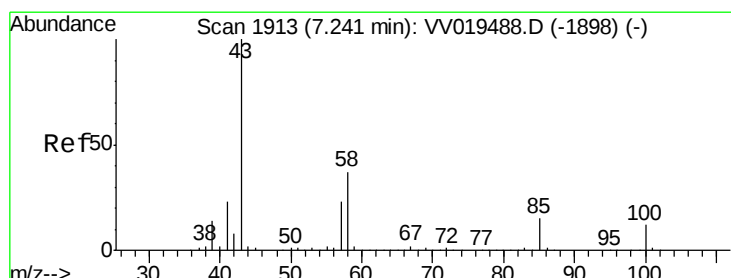
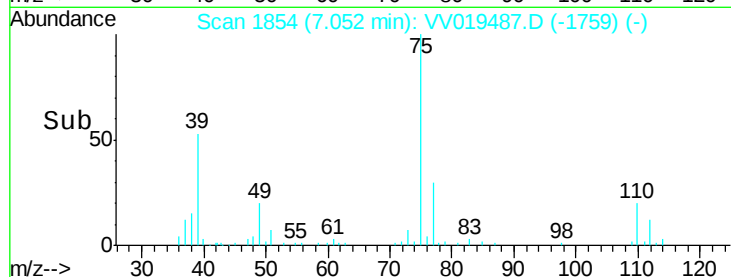
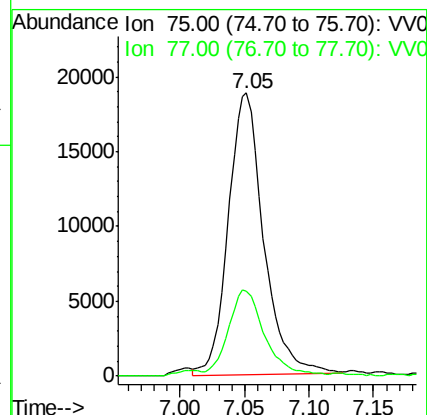
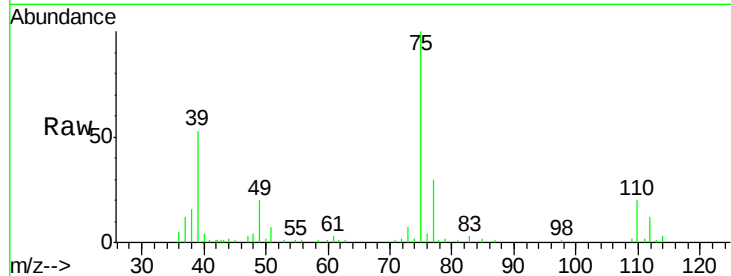




#39
 cis-1,3-Dichloropropene
 Concen: 8.927 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: VV019487.D
 Acq: 07 Dec 2020 12:30

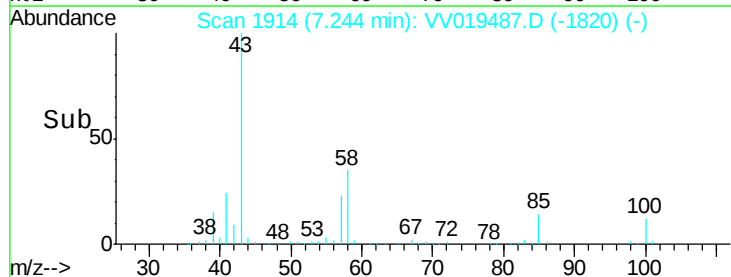
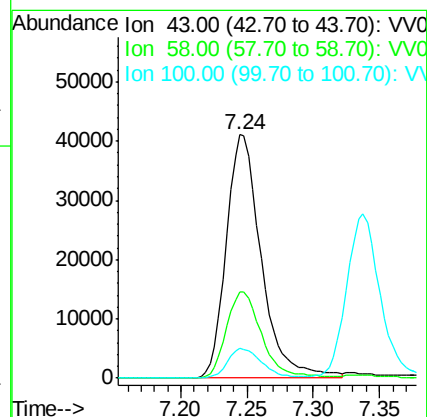
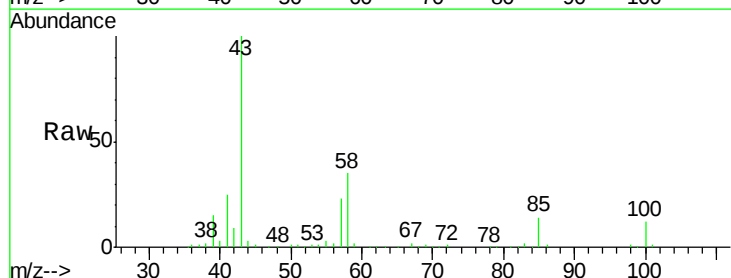
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

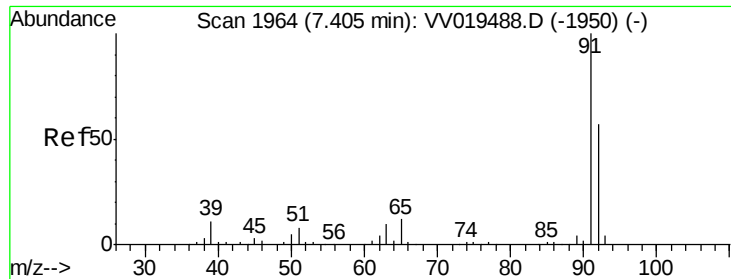
Tgt Ion: 75 Resp: 35801
 Ion Ratio Lower Upper
 75 100
 77 30.1 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 19.102 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019487.D
 Acq: 07 Dec 2020 12:30

Tgt Ion: 43 Resp: 74751
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.5 44.3
 100 12.3 10.0 15.0





#42

Toluene

Concen: 9.074 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

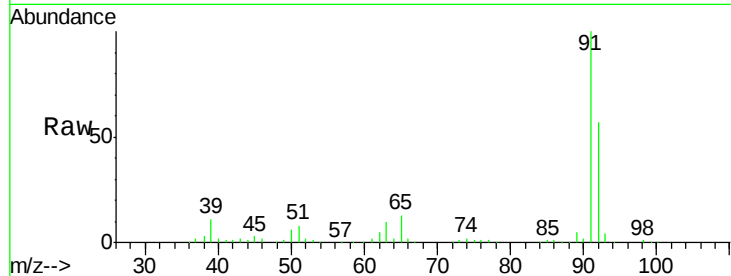
VSTD01066

Tgt Ion: 91 Resp: 91416

Ion Ratio Lower Upper

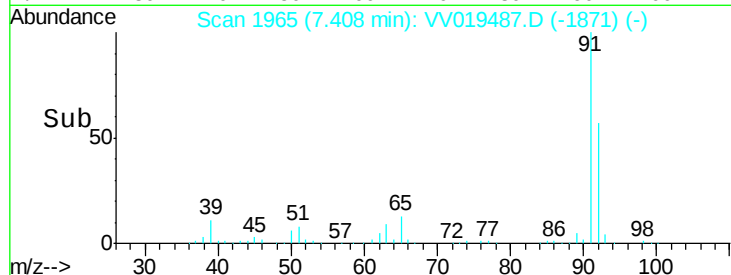
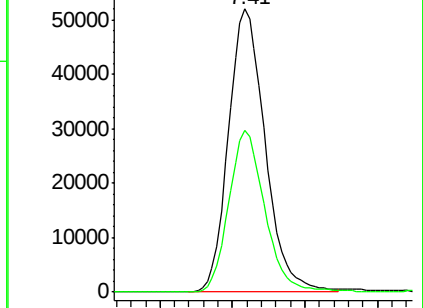
91 100

92 57.1 39.8 73.8

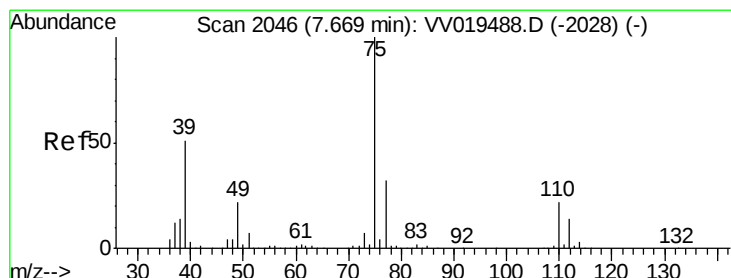


Abundance Ion 91.00 (90.70 to 91.70): VV019488.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV019488.D (-1950) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 9.106 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV019487.D

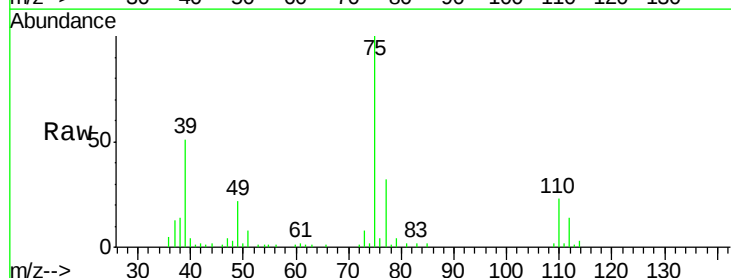
Acq: 07 Dec 2020 12:30

Tgt Ion: 75 Resp: 36330

Ion Ratio Lower Upper

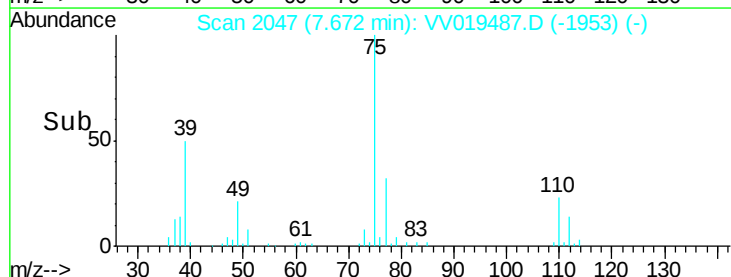
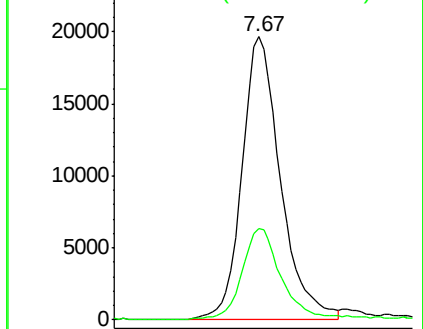
75 100

77 32.2 22.7 42.1

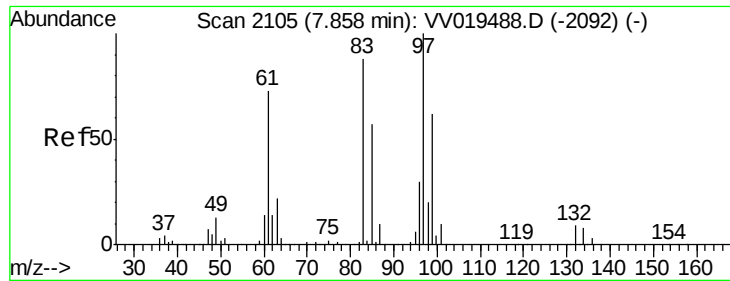


Abundance Ion 75.00 (74.70 to 75.70): VV019488.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV019488.D (-2028) (-)



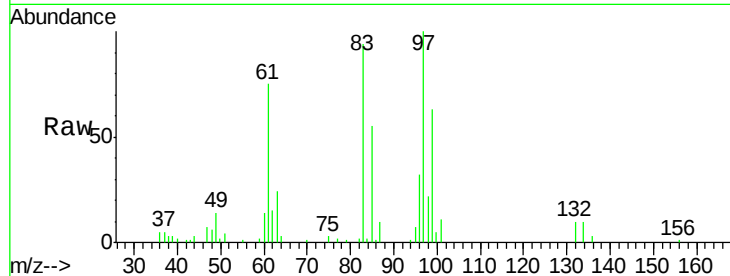
Time-->



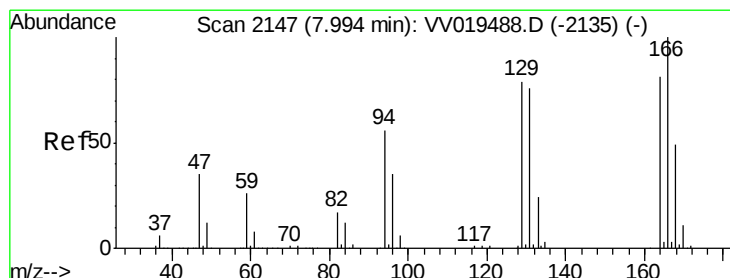
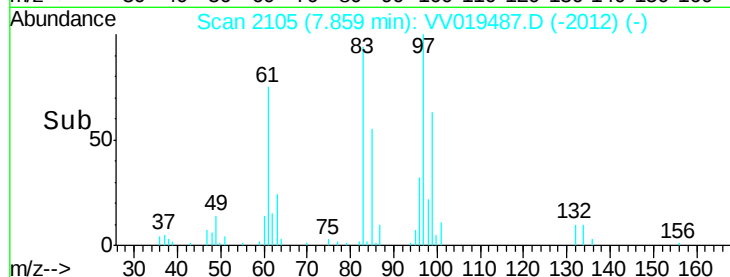
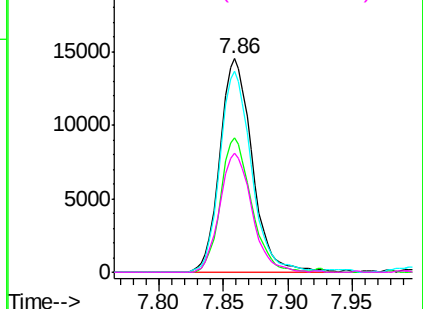
#45
 1,1,2-Trichloroethane
 Concen: 10.026 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV019487.D
 Acq: 07 Dec 2020 12:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

Tgt Ion:	97	Resp:	25402
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.1	80.1
83	93.8	61.7	114.7
85	55.5	40.2	74.6

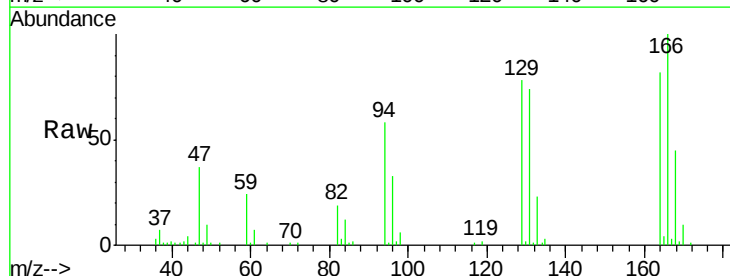


Abundance Ion 97.00 (96.70 to 97.70): VV019487.D (-2012) (-)

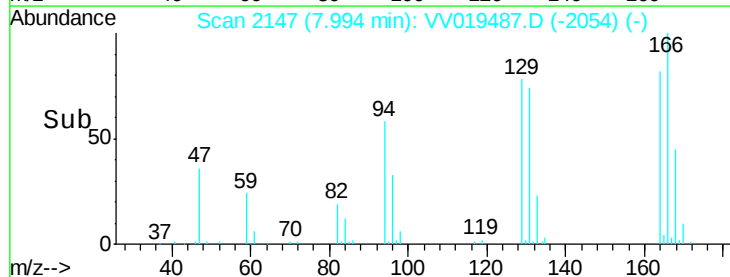
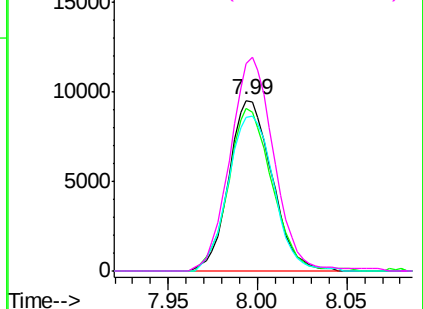


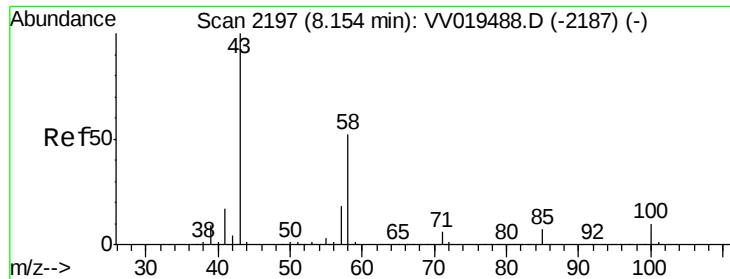
#46
 Tetrachloroethene
 Concen: 8.698 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VV019487.D
 Acq: 07 Dec 2020 12:30

Tgt Ion:	164	Resp:	16067
Ion	Ratio	Lower	Upper
164	100		
129	94.9	68.4	127.0
131	89.9	65.6	121.8
166	121.5	86.4	160.4



Abundance Ion 164.00 (163.70 to 164.70): VV019487.D (-2054) (-)

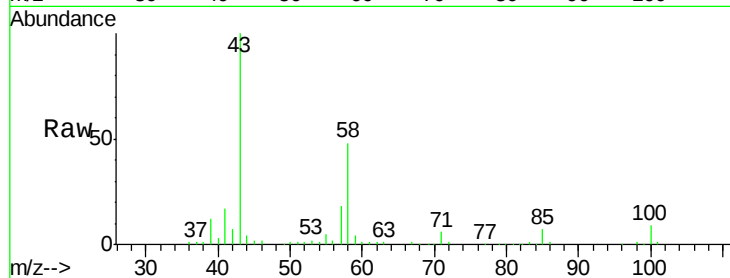




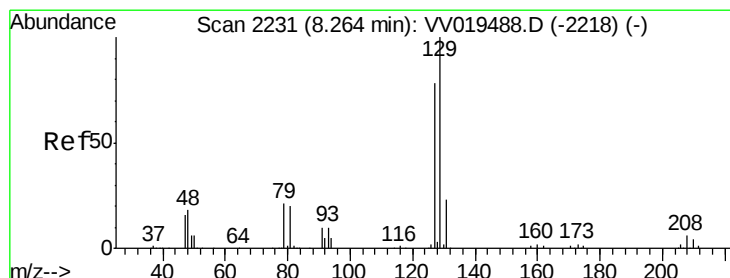
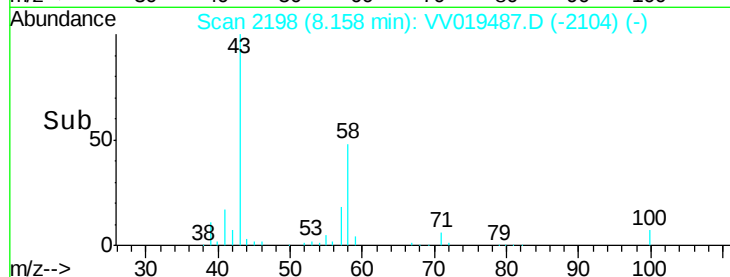
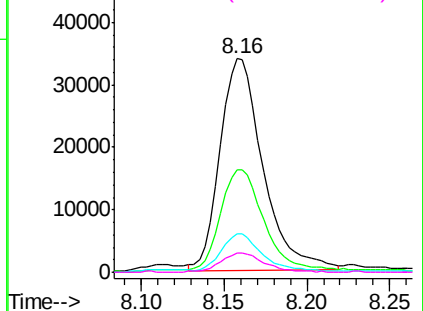
#48
2-Hexanone
Concen: 19.758 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019487.D
Acq: 07 Dec 2020 12:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

Tgt Ion: 43 Resp: 61311
Ion Ratio Lower Upper
43 100
58 47.6 41.0 61.6
57 17.1 14.2 21.2
100 9.2 8.0 12.0

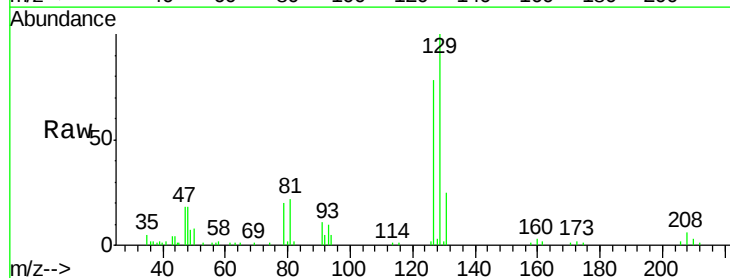


Abundance Ion 43.00 (42.70 to 43.70): VV019487.D (-2198) (-)
Ion 58.00 (57.70 to 58.70): VV019487.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VV019487.D (-2198) (-)
Ion 100.00 (99.70 to 100.70): VV019487.D (-2198) (-)

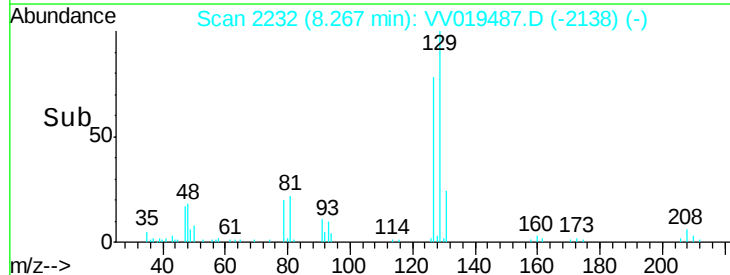
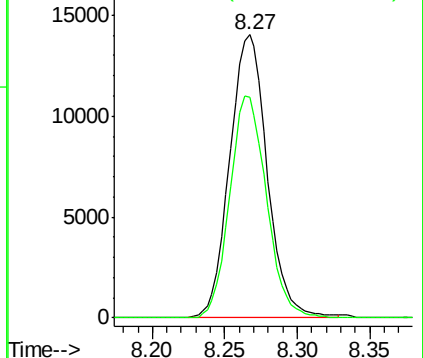


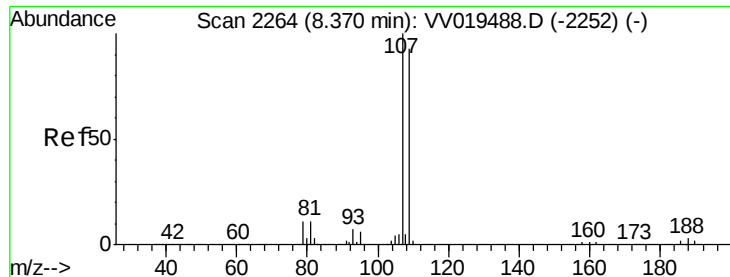
#49
Dibromochloromethane
Concen: 9.106 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019487.D
Acq: 07 Dec 2020 12:30

Tgt Ion: 129 Resp: 25209
Ion Ratio Lower Upper
129 100
127 78.0 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VV019487.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VV019487.D (-2232) (-)

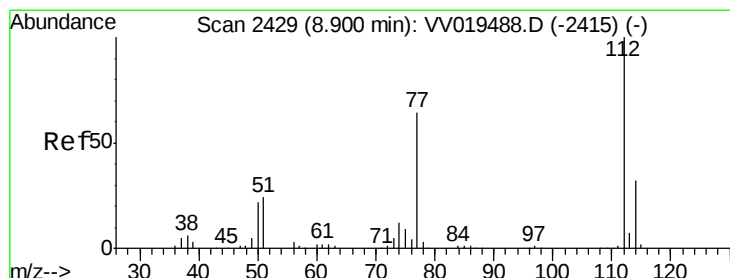
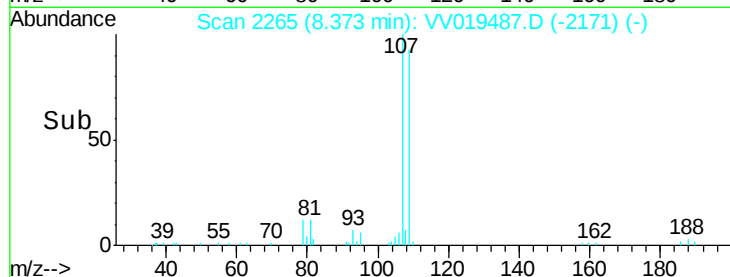
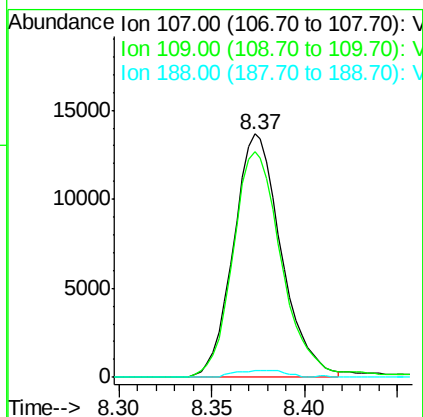
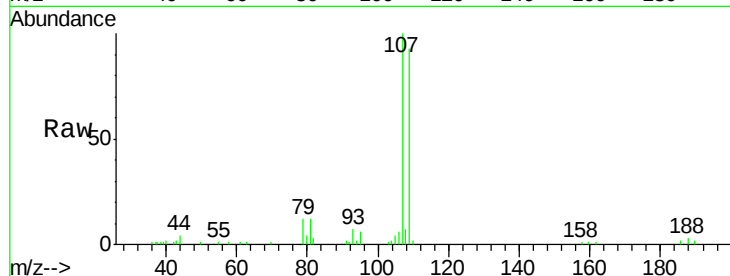




#50
1,2-Dibromoethane
Concen: 9.210 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV019487.D
Acq: 07 Dec 2020 12:30

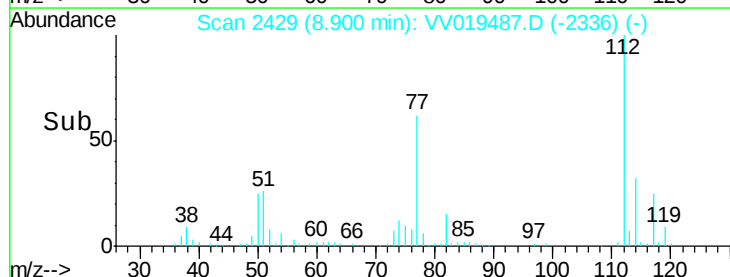
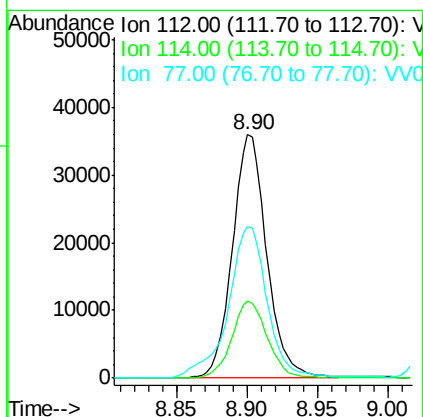
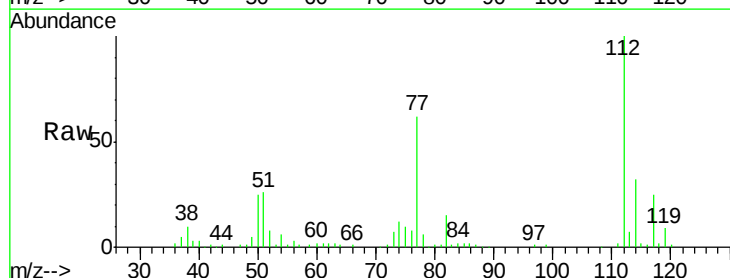
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

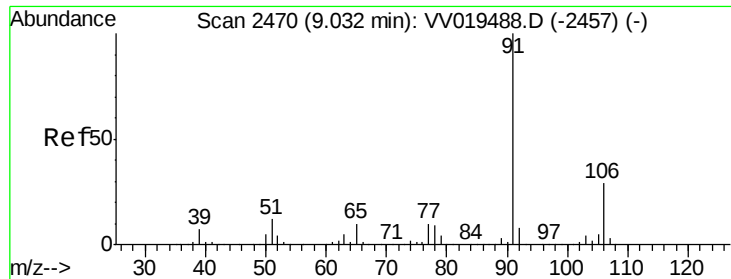
Tgt Ion:107 Resp: 24478
Ion Ratio Lower Upper
107 100
109 92.8 65.1 120.9
188 2.6 2.6 4.0#



#51
Chlorobenzene
Concen: 9.262 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019487.D
Acq: 07 Dec 2020 12:30

Tgt Ion:112 Resp: 61471
Ion Ratio Lower Upper
112 100
114 31.7 22.4 41.6
77 62.3 51.6 77.4





#52

Ethylbenzene

Concen: 8.758 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

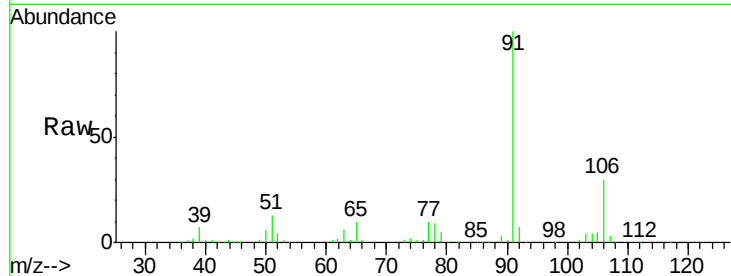
VSTD01066

Tgt Ion: 91 Resp: 94965

Ion Ratio Lower Upper

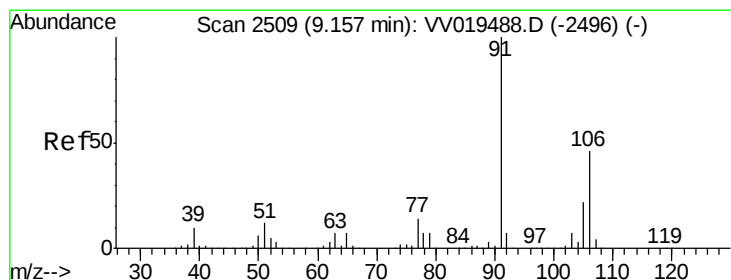
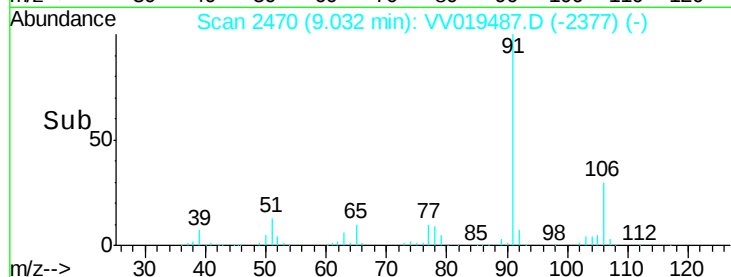
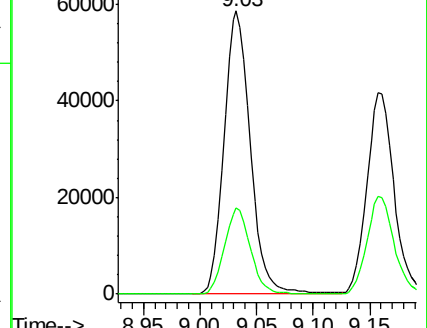
91 100

106 30.4 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VV019487.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV019487.D (-2377) (-)



#53

m,p-Xylene

Concen: 8.605 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019487.D

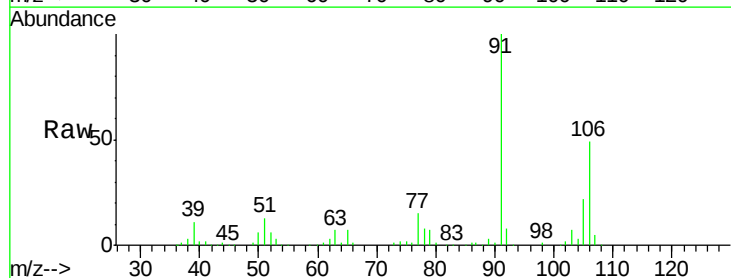
Acq: 07 Dec 2020 12:30

Tgt Ion: 106 Resp: 34198

Ion Ratio Lower Upper

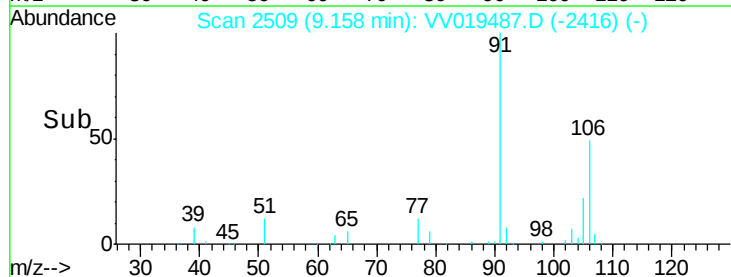
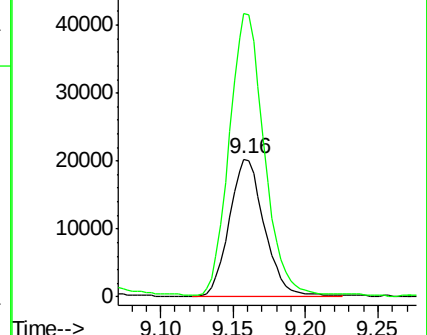
106 100

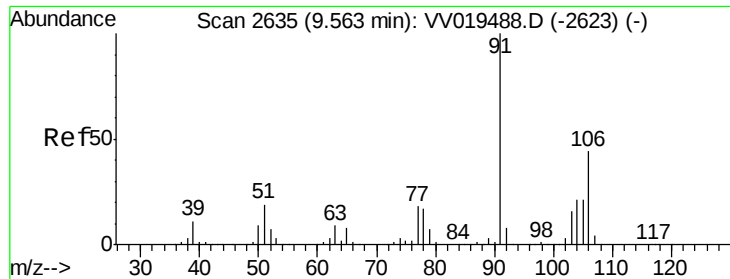
91 205.5 151.7 281.7



Abundance Ion 106.00 (105.70 to 106.70): VV019487.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV019487.D (-2416) (-)





#54

o-xylene

Concen: 8.195 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

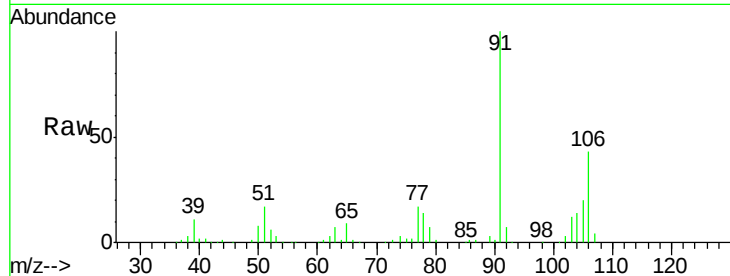
VSTD01066

Tgt Ion:106 Resp: 31695

Ion Ratio Lower Upper

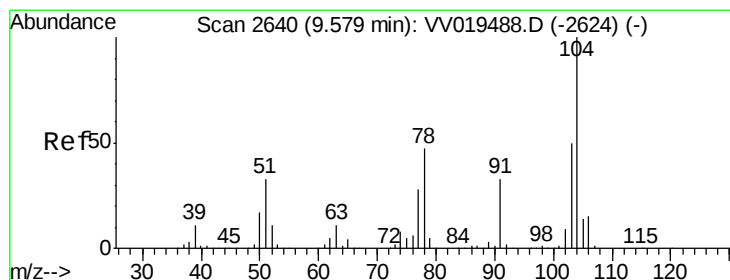
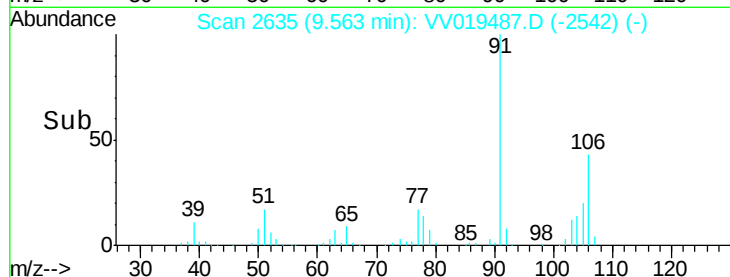
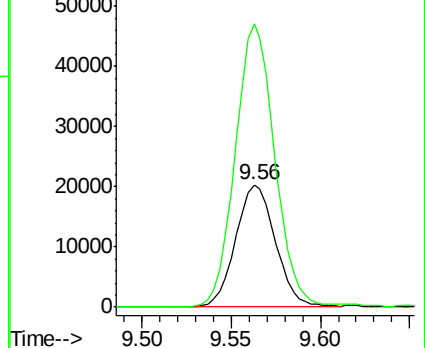
106 100

91 231.8 158.1 293.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 7.926 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV019487.D

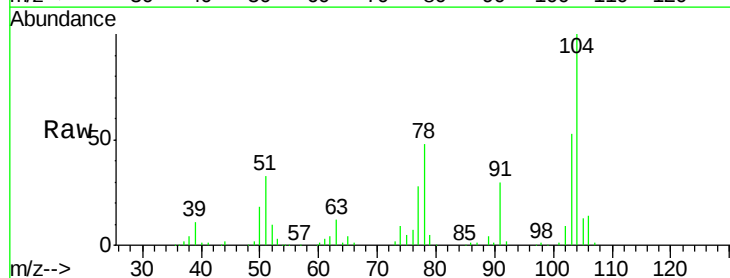
Acq: 07 Dec 2020 12:30

Tgt Ion:104 Resp: 55002

Ion Ratio Lower Upper

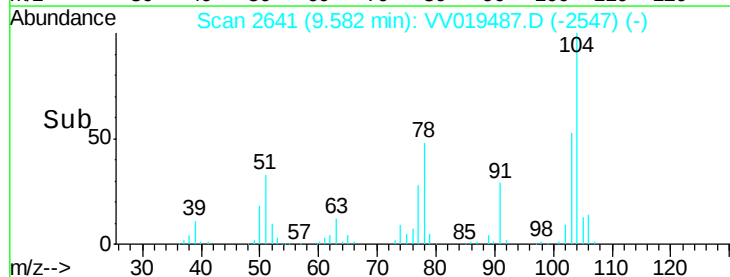
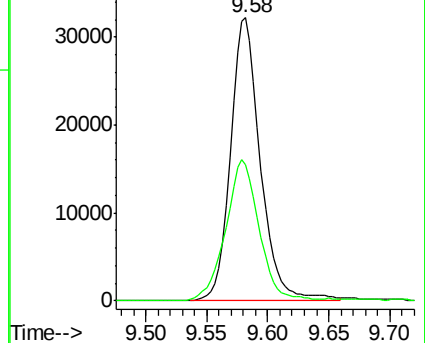
104 100

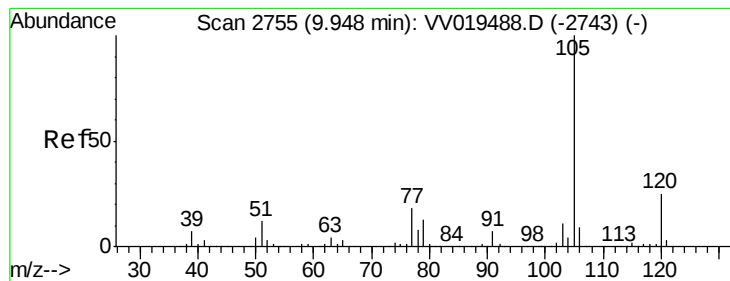
78 48.0 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 8.551 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

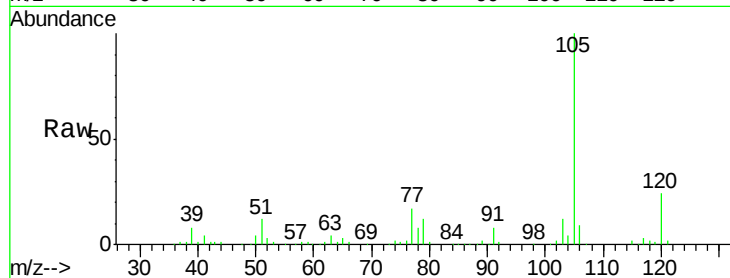
Tgt Ion: 105 Resp: 87470

Ion Ratio Lower Upper

105 100

120 24.3 20.2 30.4

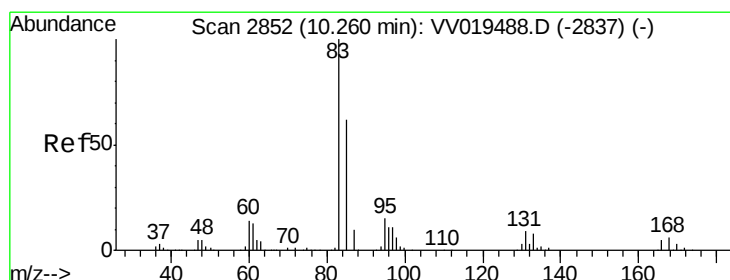
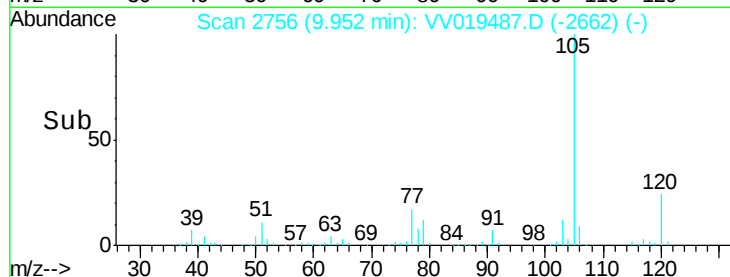
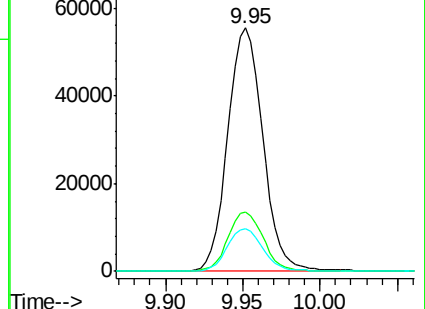
77 17.9 14.1 21.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 8.986 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

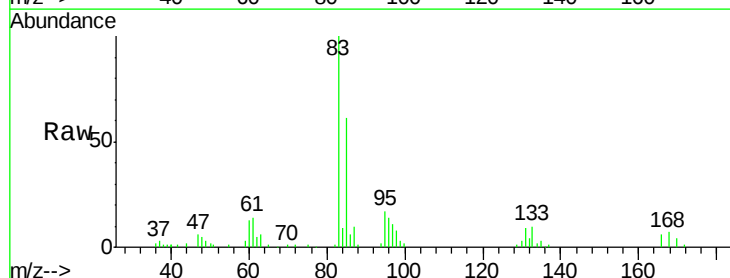
Tgt Ion: 83 Resp: 34965

Ion Ratio Lower Upper

83 100

85 60.8 43.3 80.3

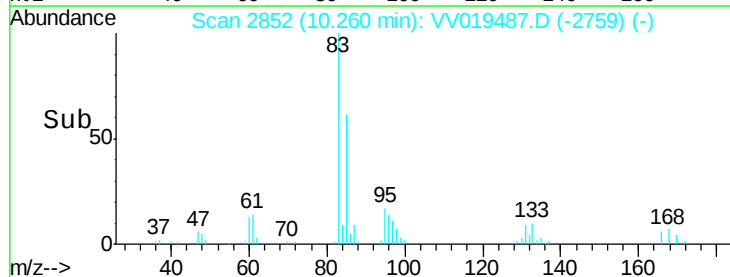
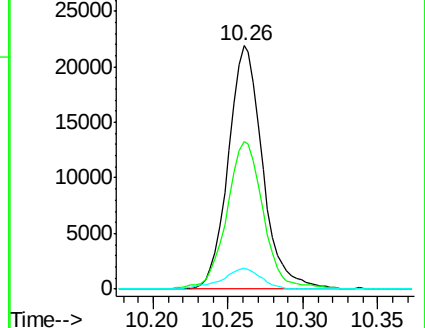
131 8.7 7.0 10.4

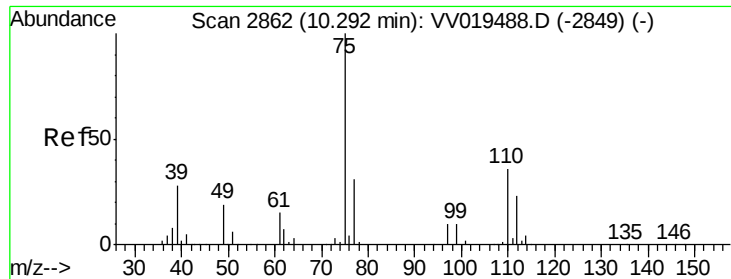


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 9.680 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

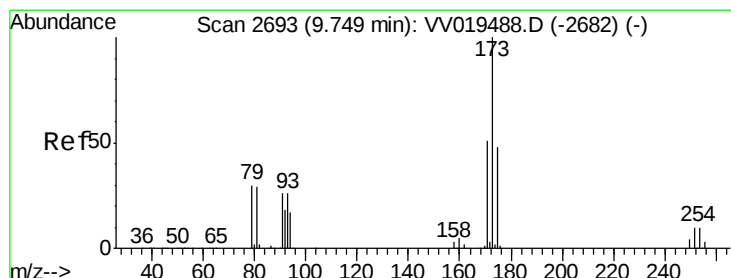
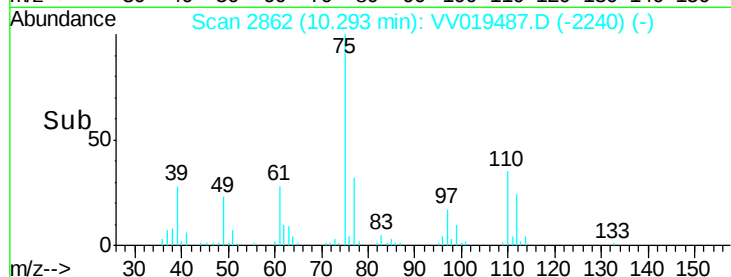
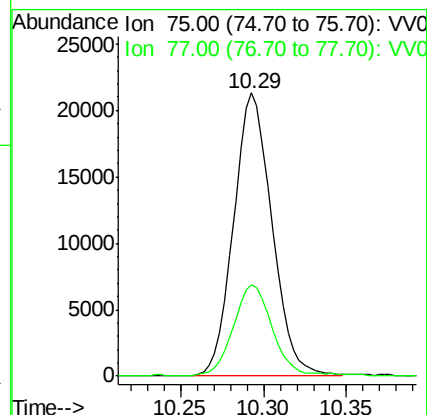
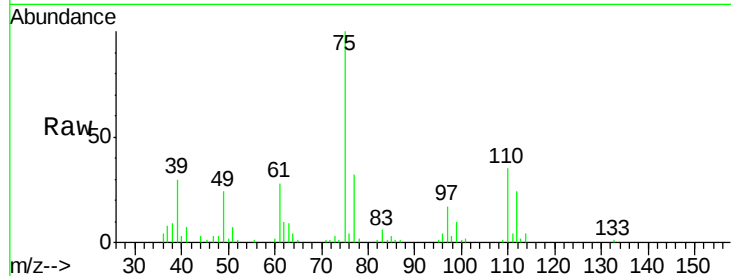
VSTD01066

Tgt Ion: 75 Resp: 34438

Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3



#61

Bromoform

Concen: 9.312 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

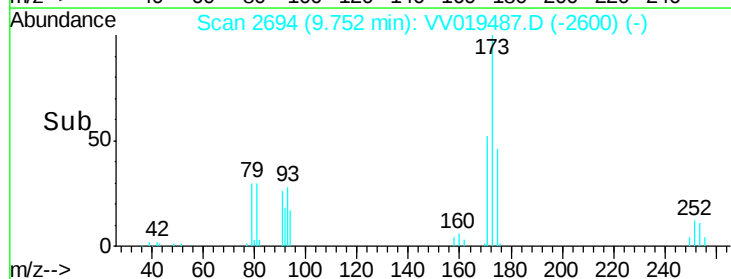
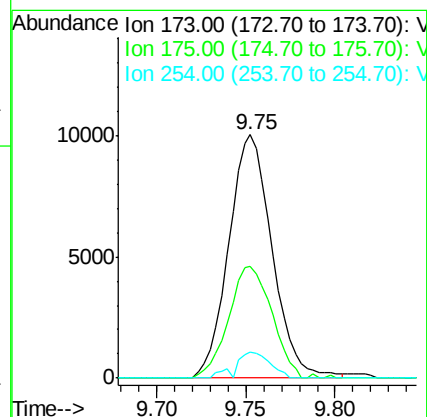
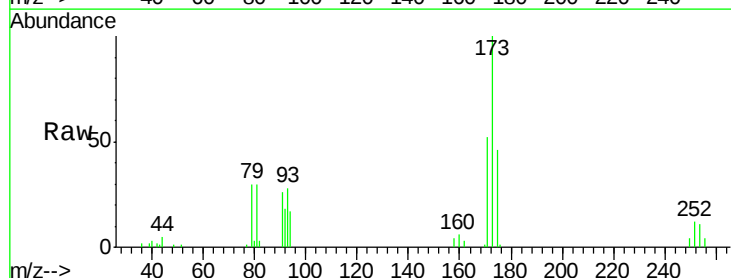
Tgt Ion: 173 Resp: 16986

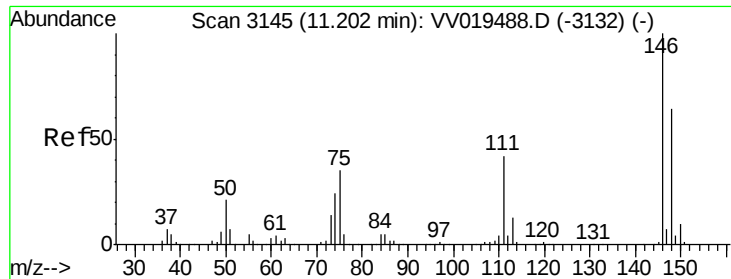
Ion Ratio Lower Upper

173 100

175 45.8 37.8 56.6

254 7.4 7.4 11.2#

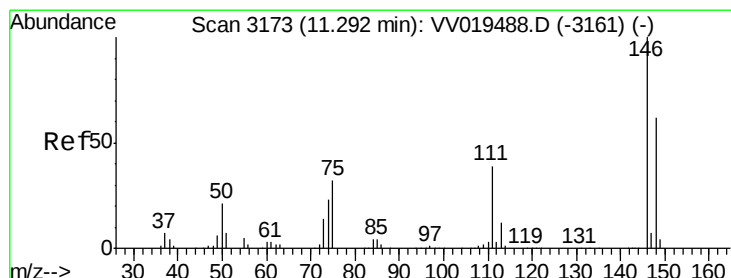
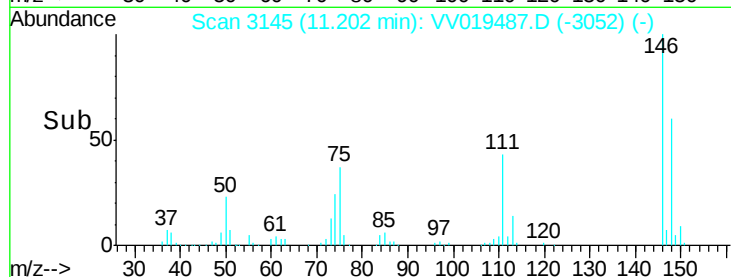
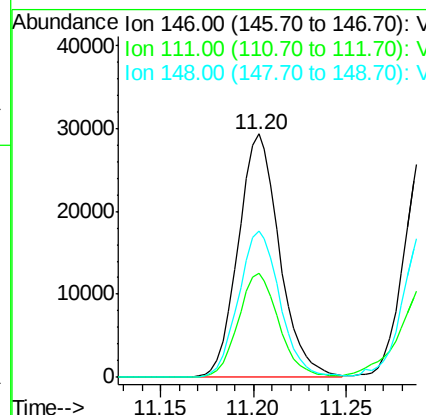
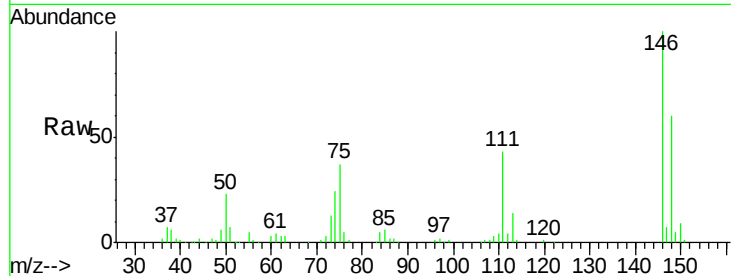




#62
 1,3-Dichlorobenzene
 Concen: 9.764 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019487.D
 Acq: 07 Dec 2020 12:30

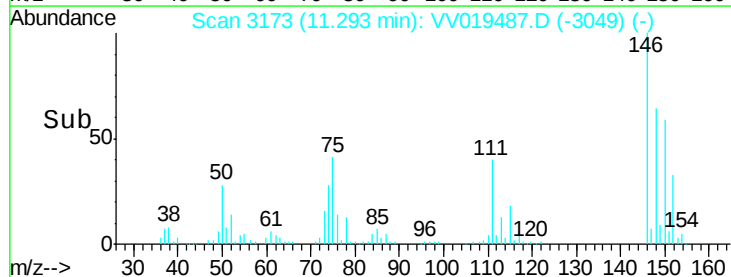
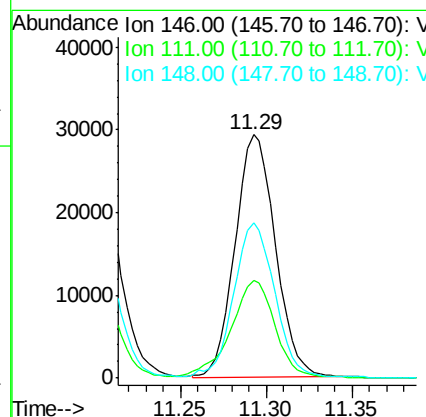
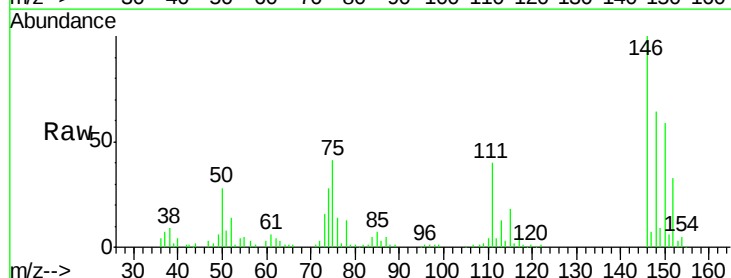
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

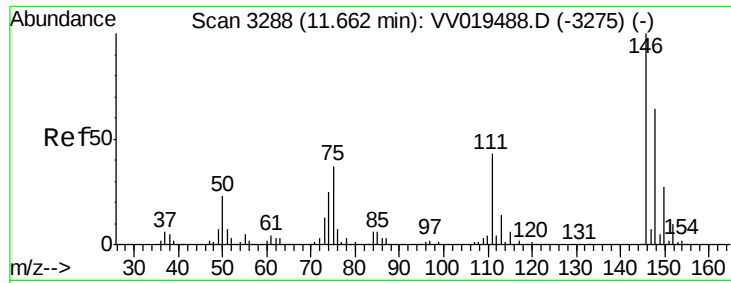
Tgt Ion:146 Resp: 45347
 Ion Ratio Lower Upper
 146 100
 111 42.8 29.6 55.0
 148 60.4 44.6 82.8



#63
 1,4-Dichlorobenzene
 Concen: 9.749 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019487.D
 Acq: 07 Dec 2020 12:30

Tgt Ion:146 Resp: 47533
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.6 51.2
 148 63.7 43.7 81.1

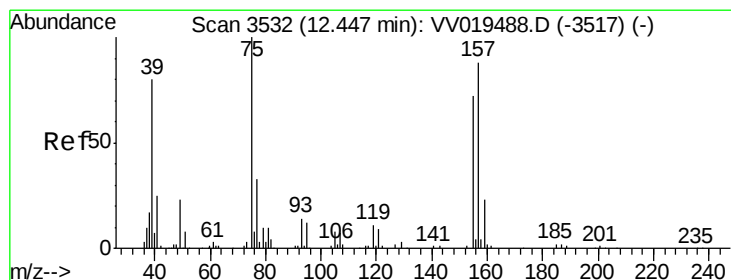
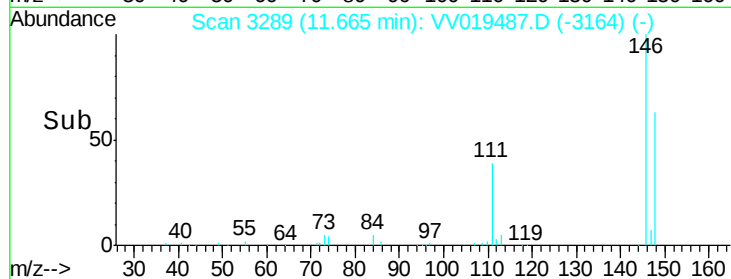
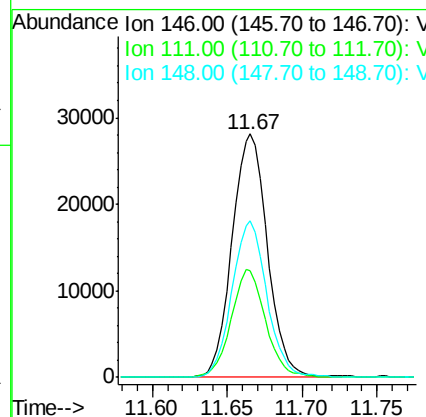
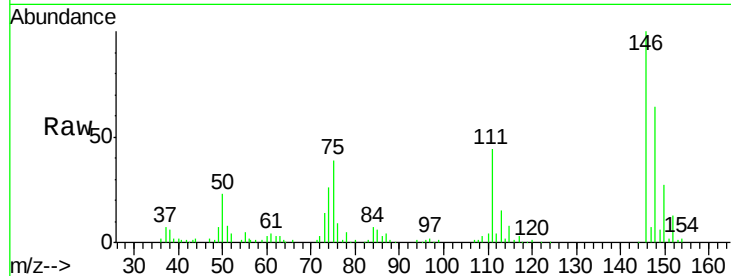




#65
 1,2-Dichlorobenzene
 Concen: 9.687 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV019487.D
 Acq: 07 Dec 2020 12:30

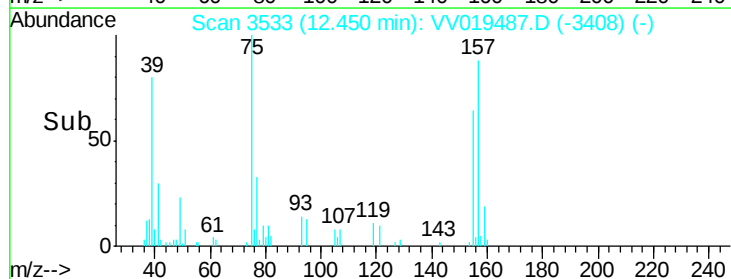
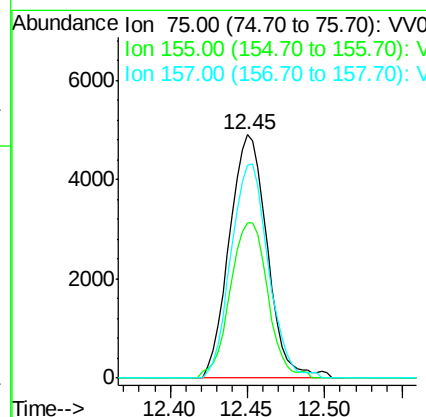
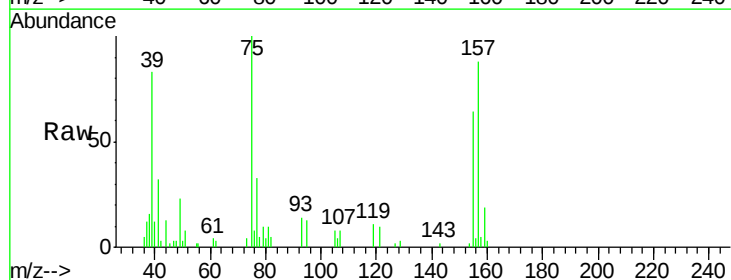
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

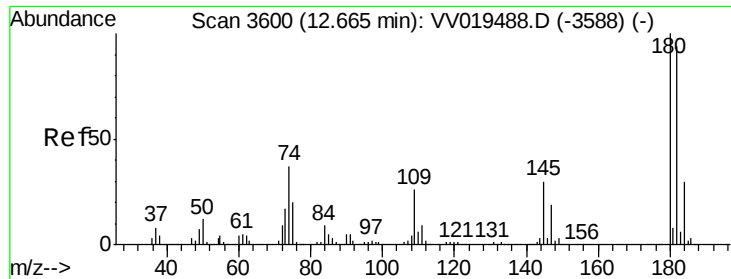
Tgt Ion: 146 Resp: 46291
 Ion Ratio Lower Upper
 146 100
 111 43.9 34.7 52.1
 148 64.1 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.815 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV019487.D
 Acq: 07 Dec 2020 12:30

Tgt Ion: 75 Resp: 8319
 Ion Ratio Lower Upper
 75 100
 155 63.6 57.9 86.9
 157 87.6 70.6 106.0

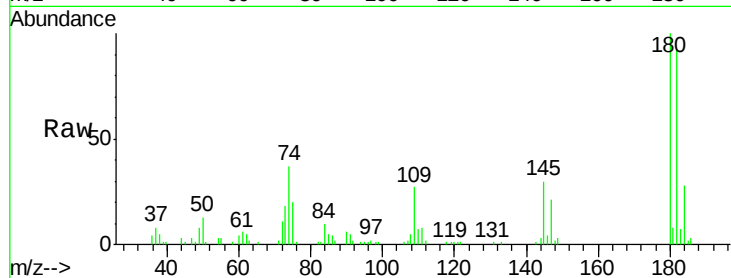




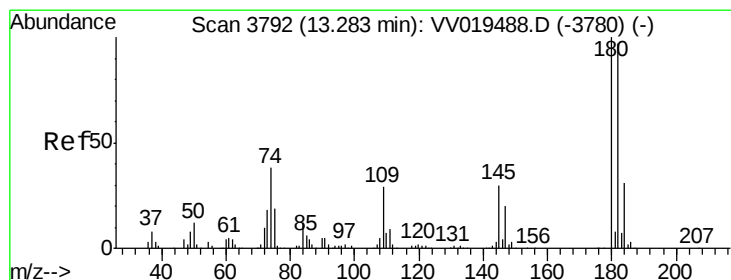
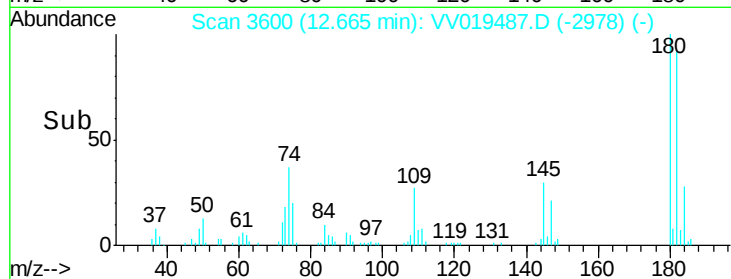
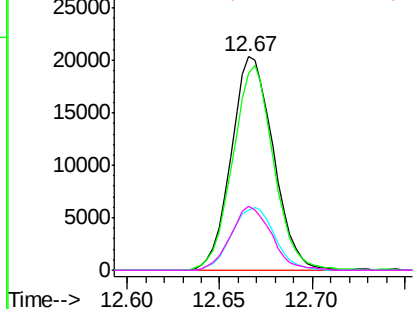
#67
 1,3,5-Trichlorobenzene
 Concen: 9.430 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019487.D
 Acq: 07 Dec 2020 12:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

Tgt Ion:180 Resp: 32115
 Ion Ratio Lower Upper
 180 100
 182 93.0 75.9 113.9
 184 30.1 24.3 36.5
 145 29.0 24.2 36.4

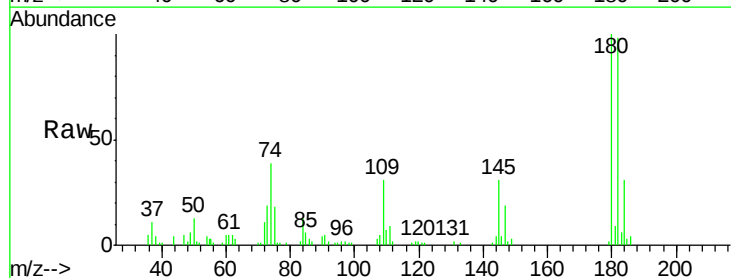


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

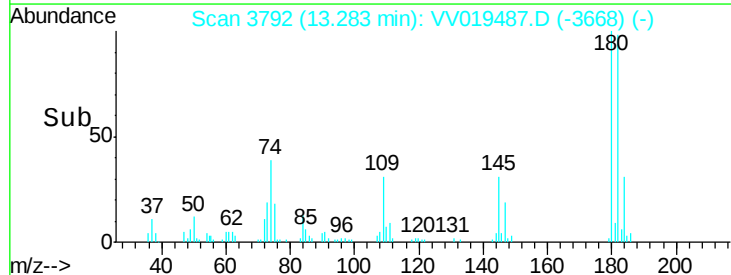
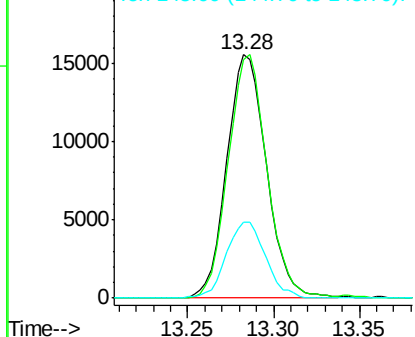


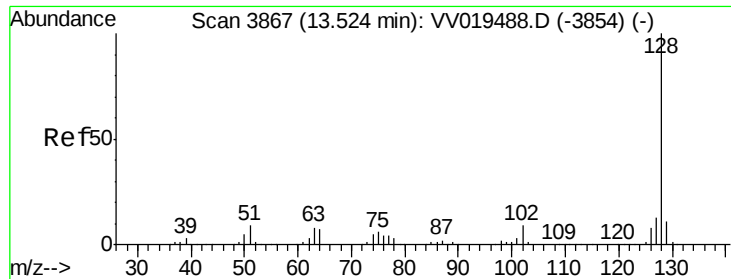
#68
 1,2,4-trichlorobenzene
 Concen: 8.313 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019487.D
 Acq: 07 Dec 2020 12:30

Tgt Ion:180 Resp: 24997
 Ion Ratio Lower Upper
 180 100
 182 97.6 76.5 114.7
 145 30.9 24.2 36.4



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





#69

Naphthalene

Concen: 6.931 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

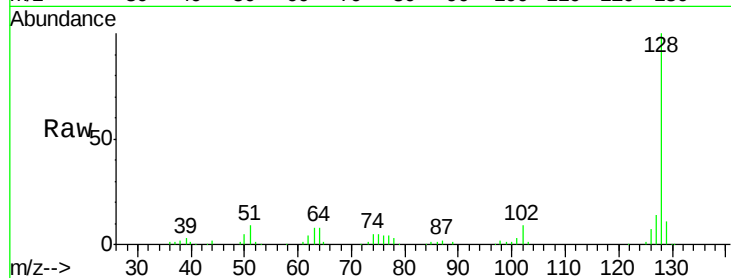
Tgt Ion:128 Resp: 53030

Ion Ratio Lower Upper

128 100

127 14.2 10.6 16.0

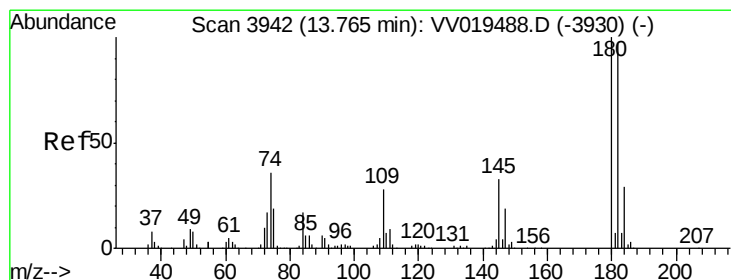
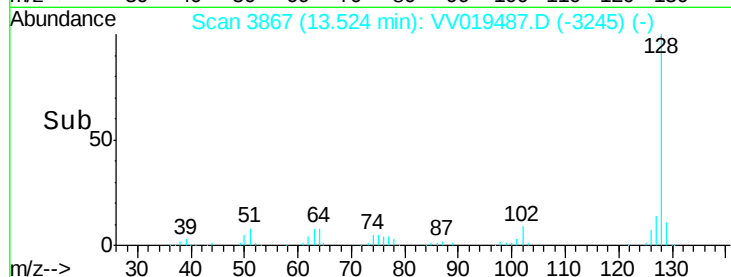
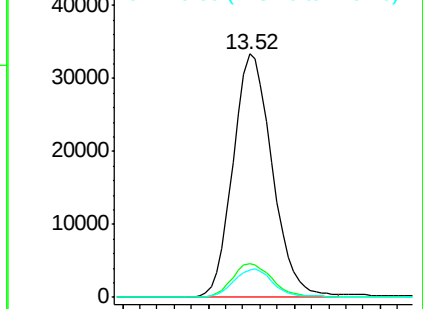
129 11.8 8.6 12.8



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: 8.399 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV019487.D

Acq: 07 Dec 2020 12:30

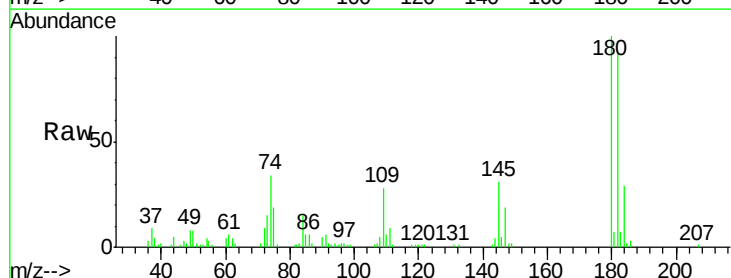
Tgt Ion:180 Resp: 26329

Ion Ratio Lower Upper

180 100

182 97.1 77.0 115.4

145 32.2 26.2 39.4



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

