

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019146.D
 Acq On : 29 Oct 2020 14:05
 Operator : SY/MD
 Sample : VSTD00562
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Quant Time: Oct 29 15:14:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 15:07:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	228958	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	221576	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	119822	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9043	4.45	ug/L	0.00
7) Chloroethane-d5	1.58	69	7562	4.66	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	17176	4.51	ug/L	0.00
21) 2-Butanone-d5	3.94	46	7938	5.90	ug/L	0.03
24) Chloroform-d	4.38	84	16084	4.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	11744	4.84	ug/L	0.00
32) Benzene-d6	5.08	84	30419	4.56	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	9501	4.47	ug/L	0.00
41) Toluene-d8	7.34	98	28926	4.80	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	4792	4.28	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	6427	6.96	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	12288	4.32	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	12775	5.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	10513	5.782	ug/L 96
3) Chloromethane	1.25	50	10367	4.897	ug/L 98
5) Vinyl chloride	1.32	62	10068	4.767	ug/L 95
6) Bromomethane	1.53	94	7141	5.768	ug/L 91
8) Chloroethane	1.60	64	6540	4.956	ug/L 95
9) Trichlorofluoromethane	1.77	101	16613	5.714	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	8071	5.339	ug/L 96
12) 1,1-Dichloroethene	2.13	96	7917	5.247	ug/L 99
13) Acetone	2.20	43	13949	14.632	ug/L 95
14) Carbon disulfide	2.31	76	25958	5.253	ug/L 97
15) Methyl Acetate	2.45	43	9105	4.781	ug/L 98
16) Methylene chloride	2.52	84	9628	5.520	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	8608	5.393	ug/L 96
18) Methyl tert-butyl Ether	2.79	73	28506	5.492	ug/L 98
19) 1,1-Dichloroethane	3.21	63	16107	5.064	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	9646	5.622	ug/L 85
22) 2-Butanone	4.02	43	11096	8.781	ug/L # 74
23) Bromochloromethane	4.28	128	5116	5.824	ug/L 94
25) Chloroform	4.41	83	17817	5.595	ug/L 100
27) 1,2-Dichloroethane	5.16	62	15147	5.722	ug/L 99
29) Cyclohexane	4.71	56	12411	4.822	ug/L 100
30) 1,1,1-Trichloroethane	4.63	97	16119	5.788	ug/L 98
31) Carbon tetrachloride	4.86	117	13956	5.711	ug/L 98
33) Benzene	5.13	78	34648	5.221	ug/L 100
34) Trichloroethene	5.94	95	9736	5.704	ug/L 93
35) Methylcyclohexane	6.15	83	11749	5.044	ug/L 96
37) 1,2-Dichloropropane	6.20	63	7999	4.439	ug/L # 95
38) Bromodichloromethane	6.53	83	12636	5.387	ug/L 96
39) cis-1,3-Dichloropropene	7.05	75	13001	4.785	ug/L 95
40) 4-Methyl-2-pentanone	7.25	43	21109	8.705	ug/L 99

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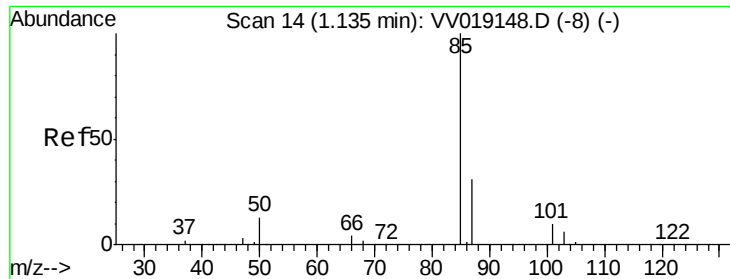
Instrument :
 MSVOA_V
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Quant Time: Oct 29 15:14:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.41	91	36024	5.212	ug/L	94
44) trans-1,3-Dichloropropene	7.68	75	13752	5.077	ug/L	94
45) 1,1,2-Trichloroethane	7.86	97	8714	5.345	ug/L	96
46) Tetrachloroethene	8.00	164	8238	6.161	ug/L	95
48) 2-Hexanone	8.16	43	17758	9.490	ug/L	98
49) Dibromochloromethane	8.27	129	10185	5.638	ug/L	95
50) 1,2-Dibromoethane	8.38	107	9082	5.339	ug/L #	97
51) Chlorobenzene	8.90	112	24522	5.505	ug/L	99
52) Ethylbenzene	9.04	91	40229	5.380	ug/L	97
53) m,p-Xylene	9.16	106	14978	5.432	ug/L	93
54) o-xylene	9.57	106	13998	5.274	ug/L	94
55) Styrene	9.58	104	24023	5.105	ug/L	100
56) Isopropylbenzene	9.95	105	37316	5.320	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	13054	4.951	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	11515	5.383	ug/L	99
61) Bromoform	9.75	173	7999	5.890	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	20545	5.709	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	22344	5.940	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	20331	5.608	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.45	75	3434	5.442	ug/L	84
67) 1,3,5-Trichlorobenzene	12.67	180	15042	5.992	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	13224	5.596	ug/L	98
69) Naphthalene	13.53	128	31909	4.491	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	12770	5.376	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 5.782 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

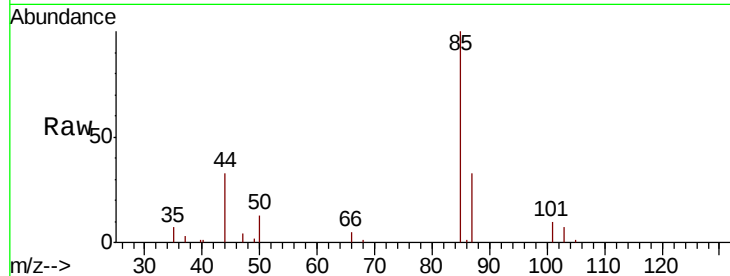
VSTD00562

Tot Ion: 85 Resp: 10513

Ion Ratio Lower Upper

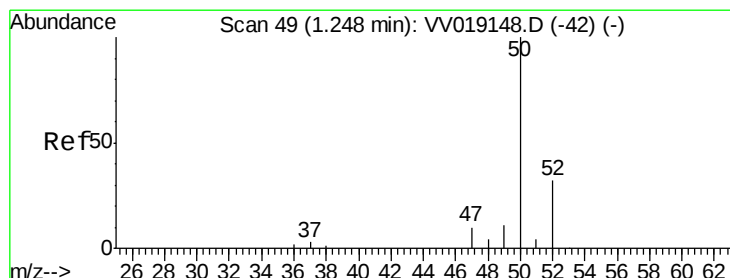
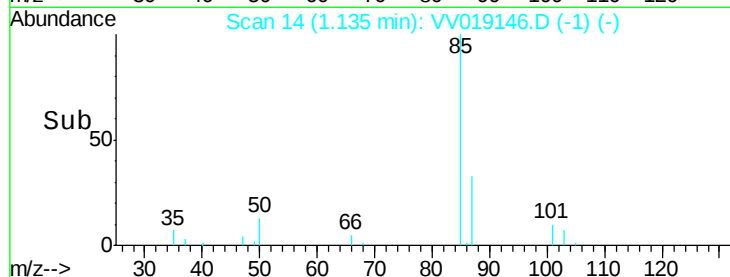
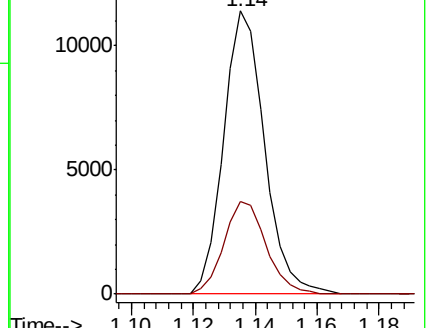
85 100

87 33.8 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV019148.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV019148.D (-8) (-)



#3

Chloromethane

Concen: 4.897 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019146.D

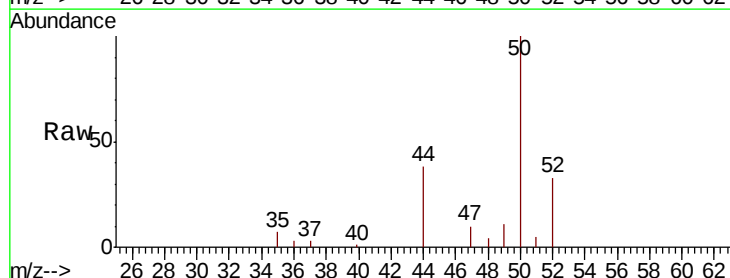
Acq: 29 Oct 2020 14:05

Tgt Ion: 50 Resp: 10367

Ion Ratio Lower Upper

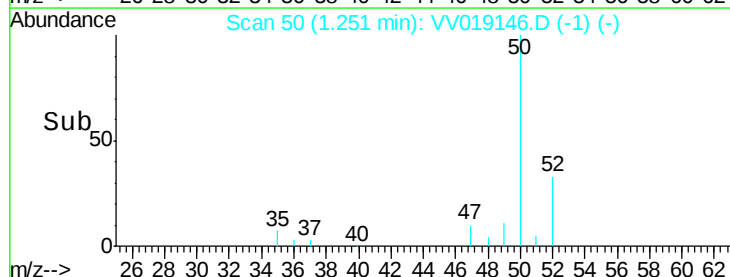
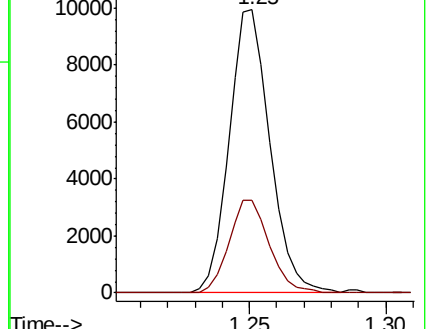
50 100

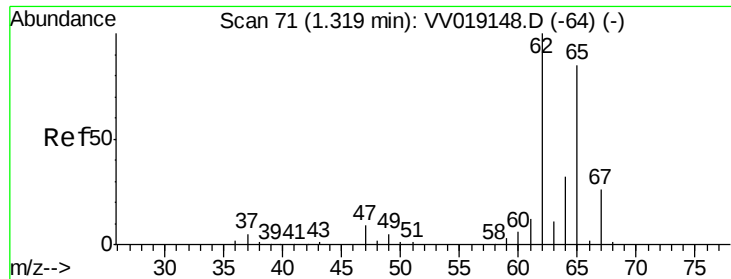
52 32.6 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV019148.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV019148.D (-42) (-)





#5

Vinyl chloride

Concen: 4.767 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

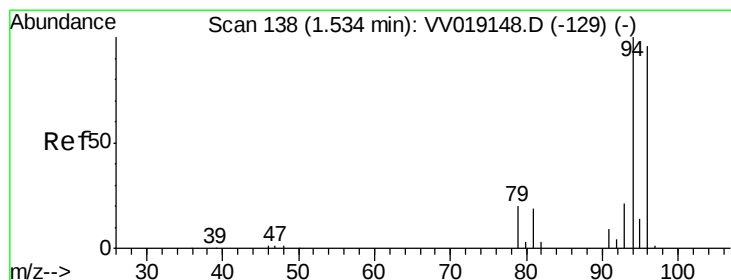
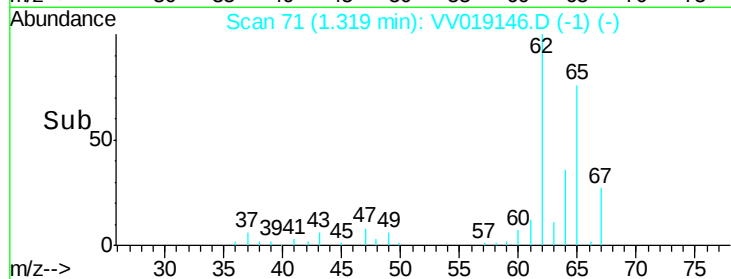
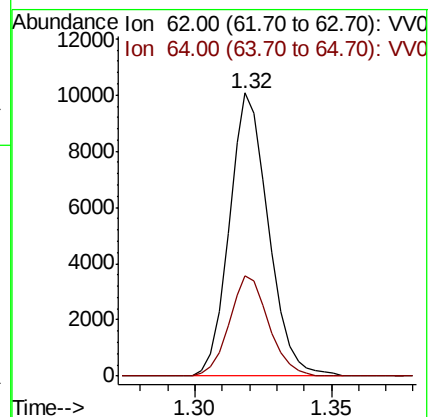
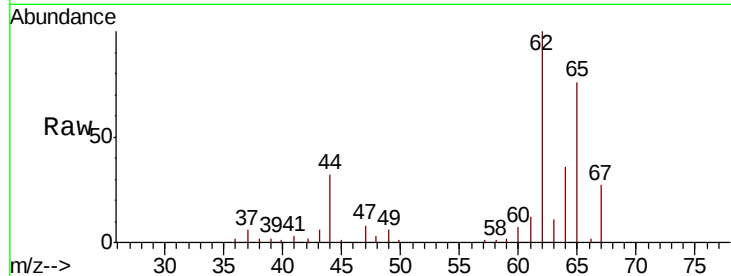
VSTD00562

Tot Ion: 62 Resp: 10068

Ion Ratio Lower Upper

62 100

64 35.5 22.7 42.3



#6

Bromomethane

Concen: 5.768 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019146.D

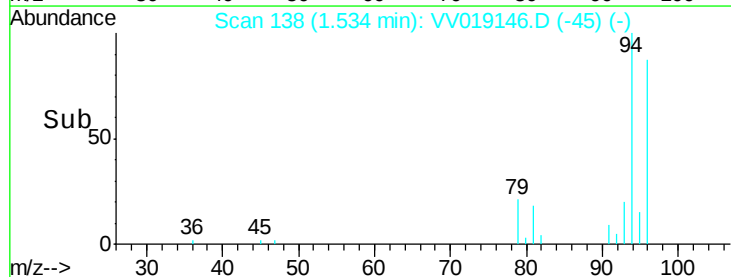
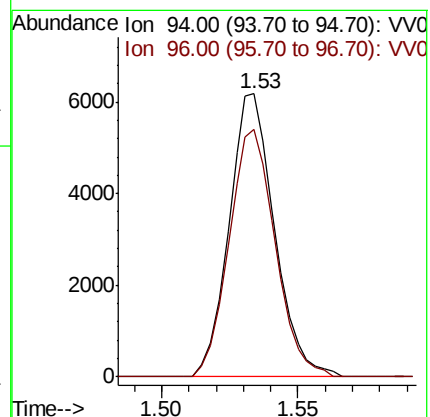
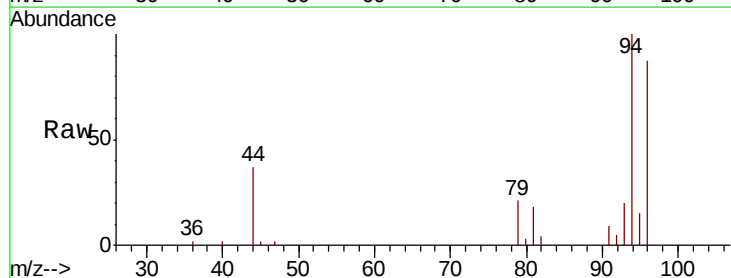
Acq: 29 Oct 2020 14:05

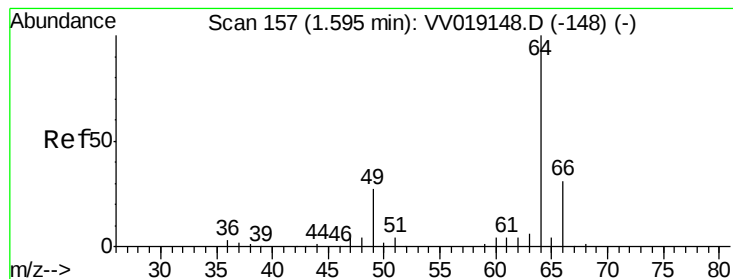
Tgt Ion: 94 Resp: 7141

Ion Ratio Lower Upper

94 100

96 87.3 67.0 124.4





#8

Chloroethane

Concen: 4.956 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

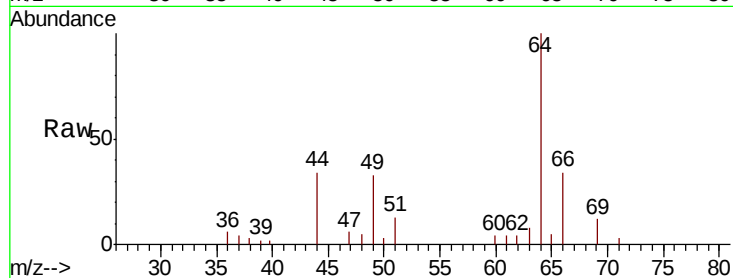
VSTD00562

Tot Ion: 64 Resp: 6540

Ion Ratio Lower Upper

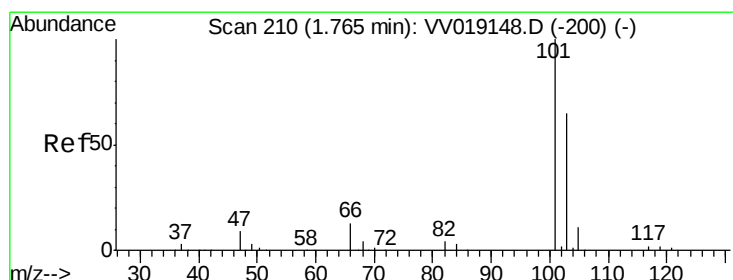
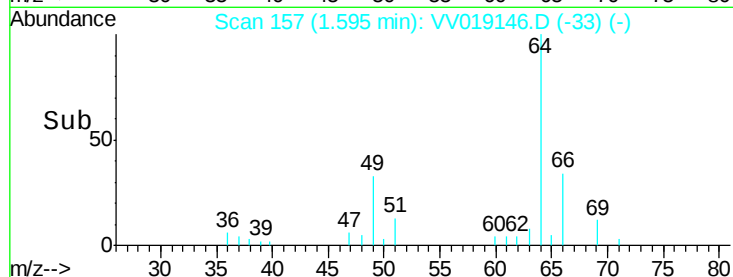
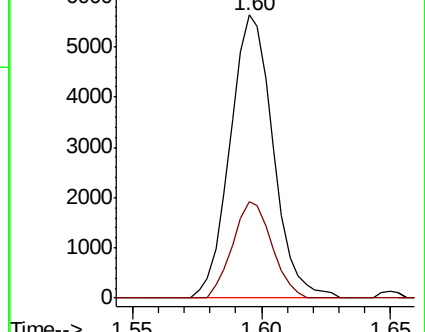
64 100

66 34.2 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VV019146.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV019146.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 5.714 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019146.D

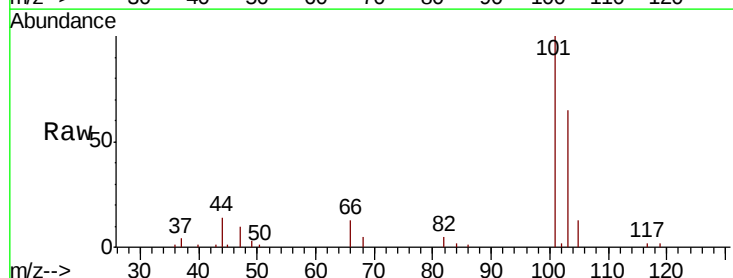
Acq: 29 Oct 2020 14:05

Tgt Ion: 101 Resp: 16613

Ion Ratio Lower Upper

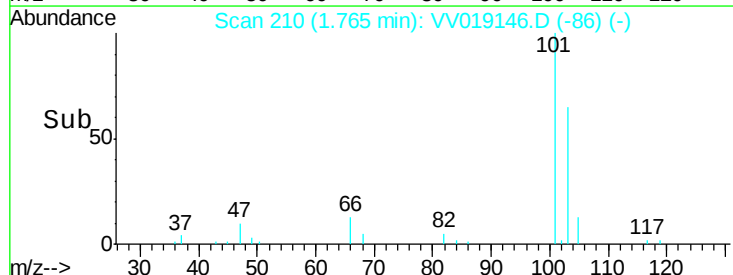
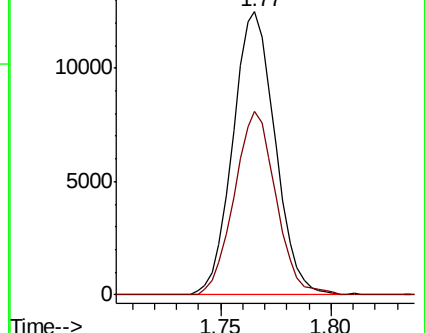
101 100

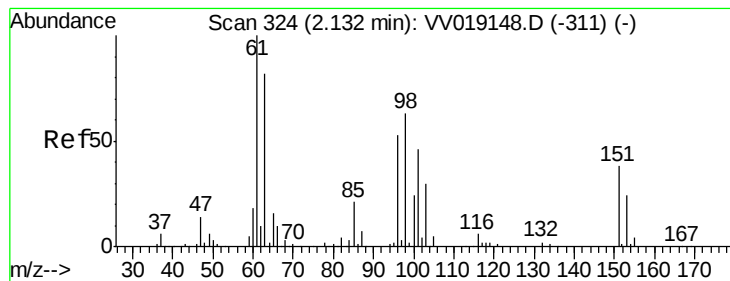
103 63.9 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV019146.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV019146.D (-200) (-)





#10

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

Concen: 5.339 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

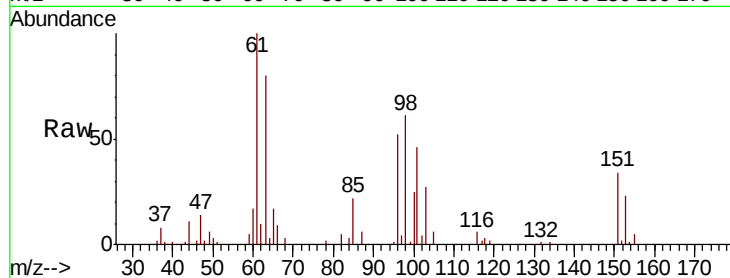
Tot Ion:101 Resp: 8071

Ion Ratio Lower Upper

101 100

85 44.3 36.1 54.1

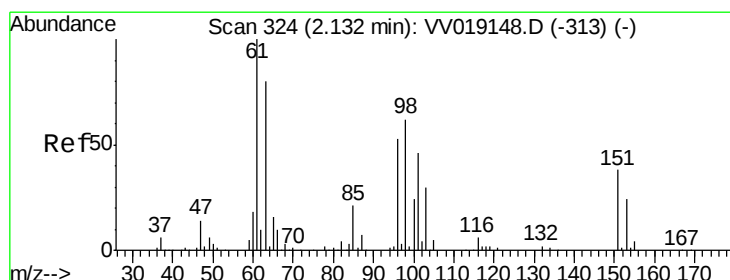
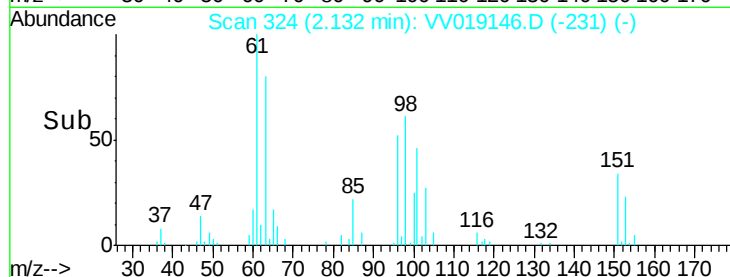
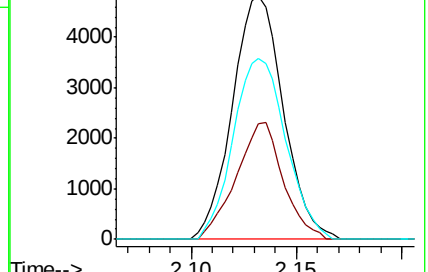
151 76.9 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): VV019148.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV019148.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV019148.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 5.247 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

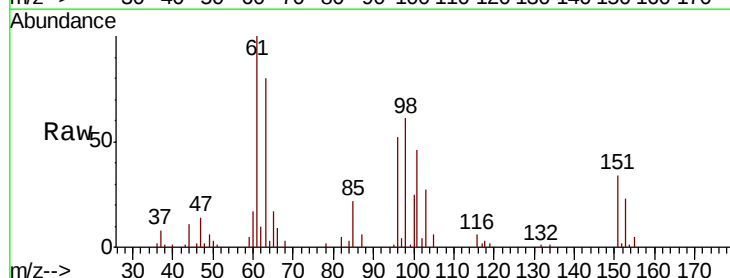
Tgt Ion: 96 Resp: 7917

Ion Ratio Lower Upper

96 100

61 190.5 132.6 246.2

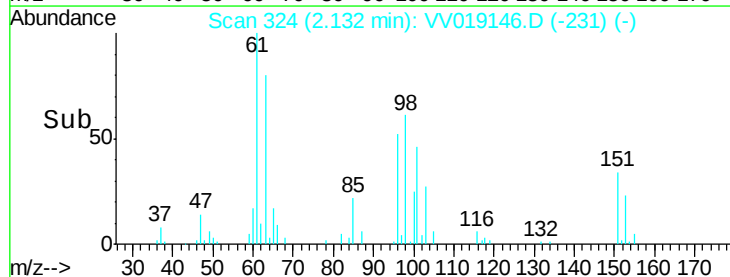
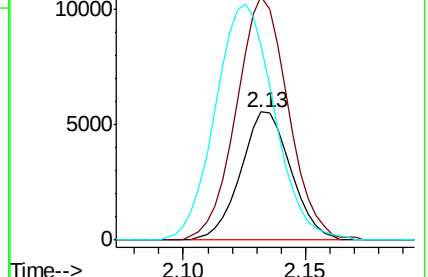
63 152.2 108.4 201.4

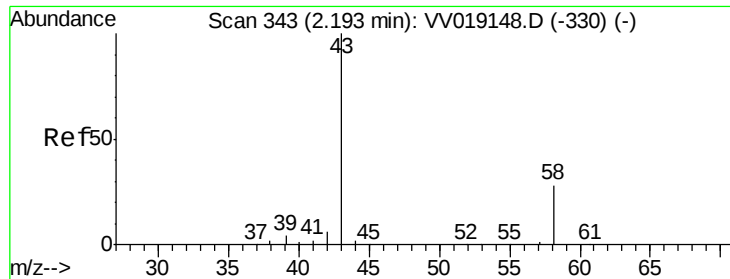


Abundance Ion 96.00 (95.70 to 96.70): VV019146.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV019146.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019146.D (-231) (-)





#13

Acetone

Concen: 14.632 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

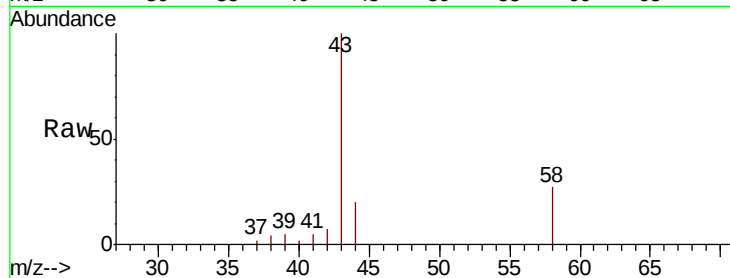
VSTD00562

Tot Ion: 43 Resp: 13949

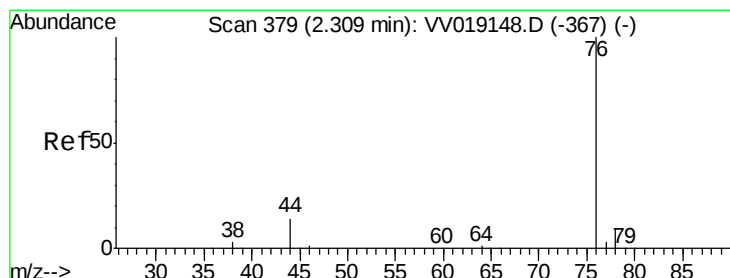
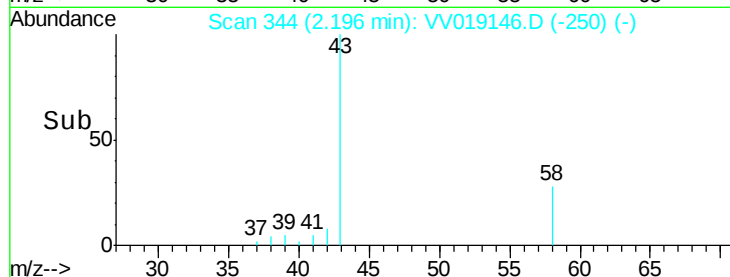
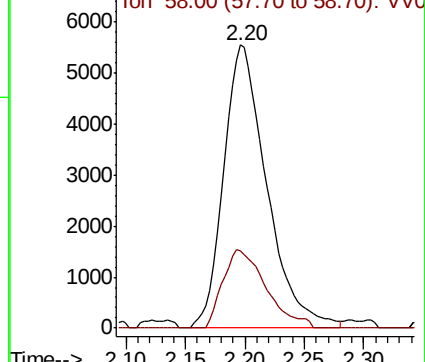
Ion Ratio Lower Upper

43 100

58 27.0 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV019146.D (-250) (-)



#14

Carbon disulfide

Concen: 5.253 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019146.D

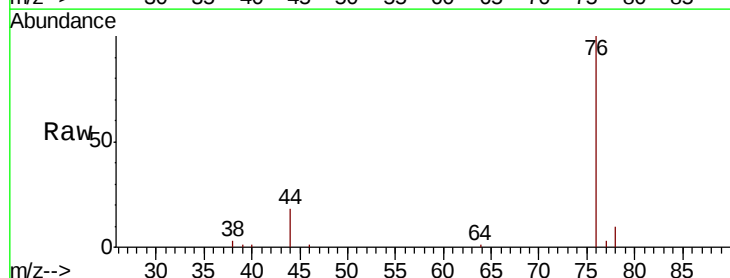
Acq: 29 Oct 2020 14:05

Tgt Ion: 76 Resp: 25958

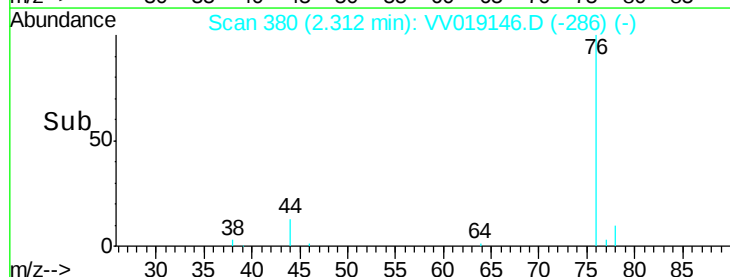
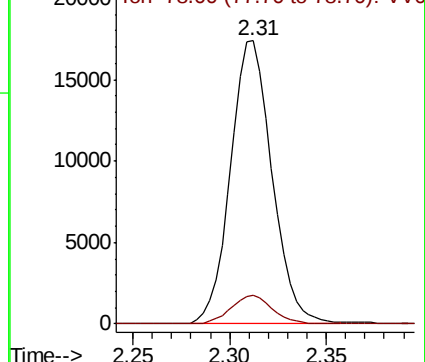
Ion Ratio Lower Upper

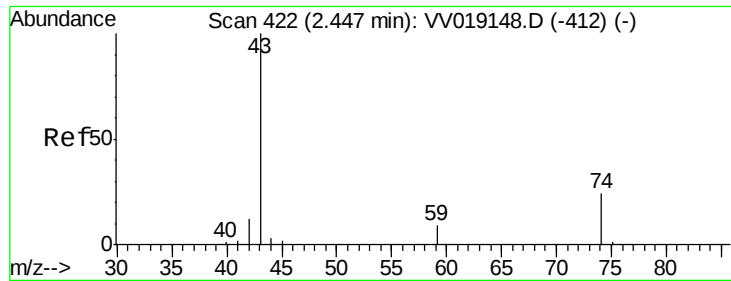
76 100

78 10.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019146.D (-286) (-)





#15

Methvl Acetate

Concen: 4.781 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.01 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

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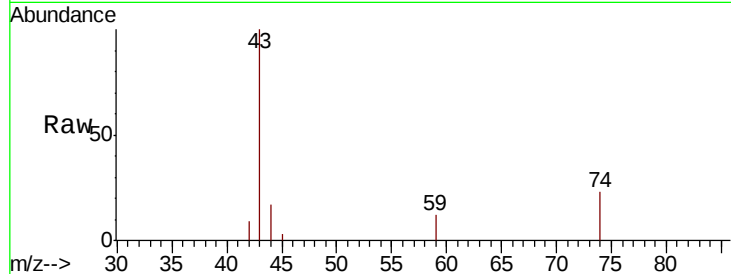
VSTD00562

Tot Ion: 43 Resp: 9105

Ion Ratio Lower Upper

43 100

74 21.9 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.45

5000

4000

3000

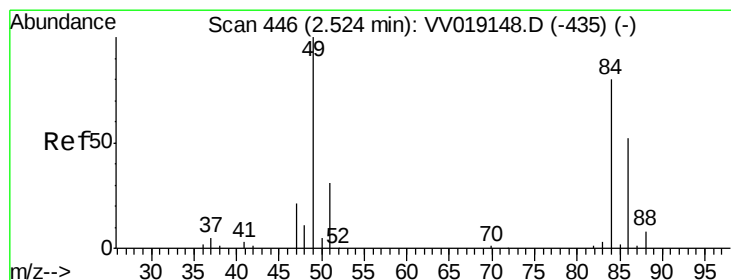
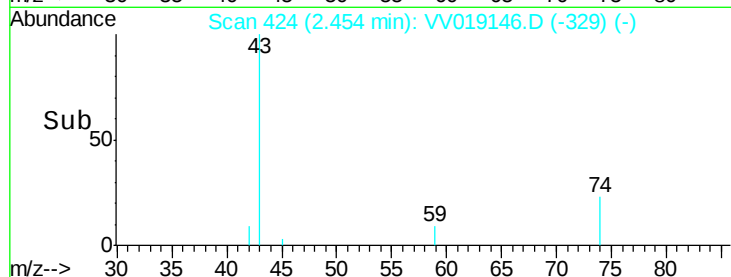
2000

1000

0

Time-->

2.40 2.45 2.50



#16

Methylene chloride

Concen: 5.520 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

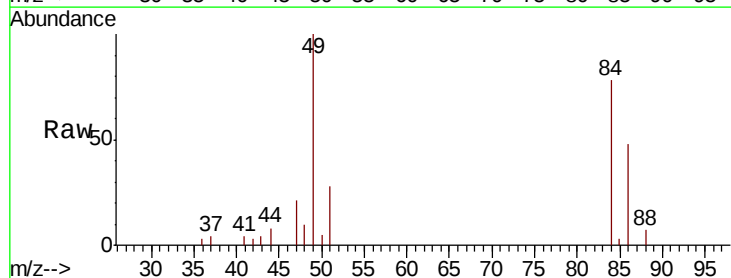
Tgt Ion: 84 Resp: 9628

Ion Ratio Lower Upper

84 100

86 61.1 46.0 85.4

49 128.4 87.8 163.2



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

10000

8000

6000

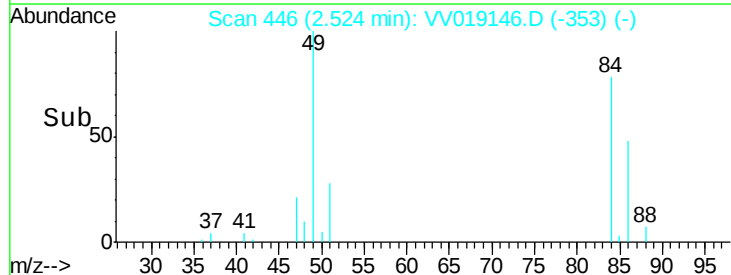
4000

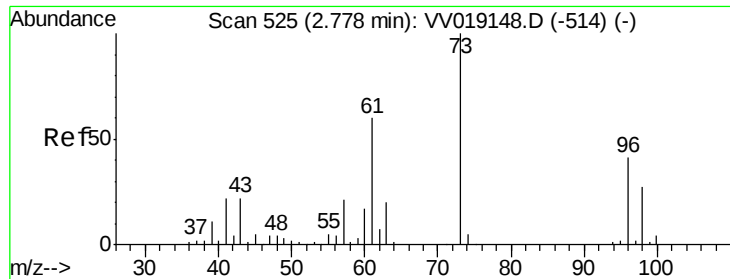
2000

0

Time-->

2.50 2.55 2.60





#17

trans-1,2-Dichloroethene

Concen: 5.393 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

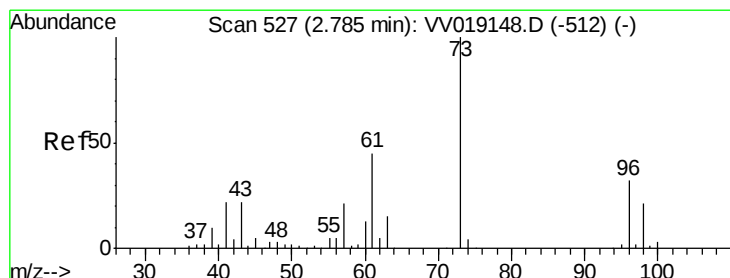
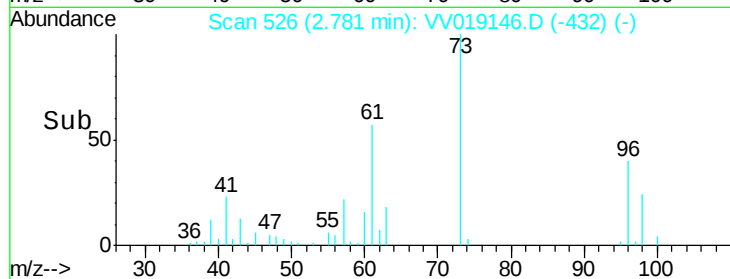
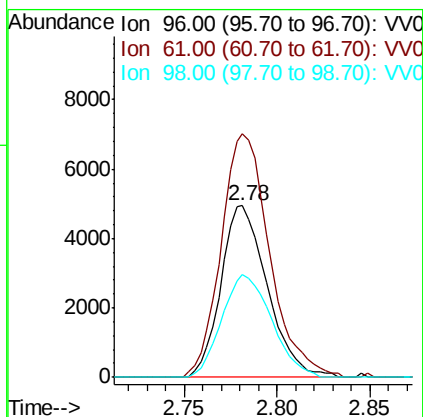
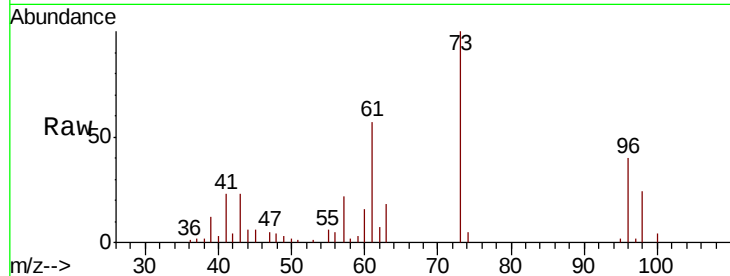
Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tot Ion: 96 Resp: 8608

Ion	Ratio	Lower	Upper
96	100		
61	142.1	102.4	190.2
98	60.2	45.9	85.3



#18

Methyl tert-butyl Ether

Concen: 5.492 ug/L

RT: 2.79 min Scan# 528

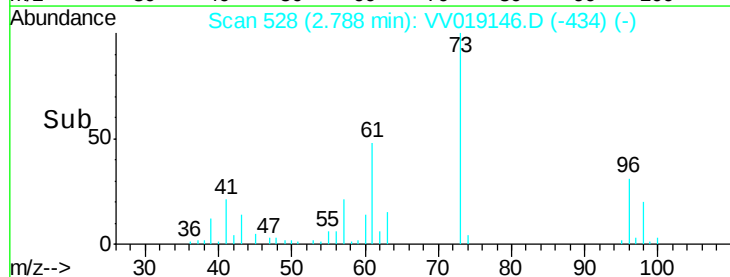
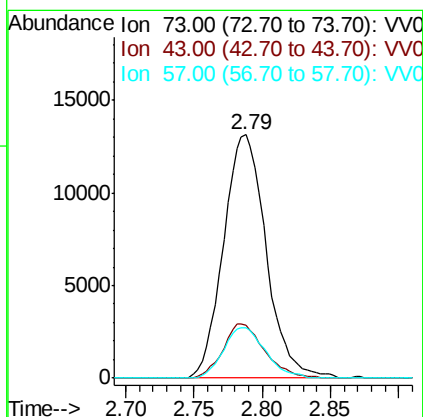
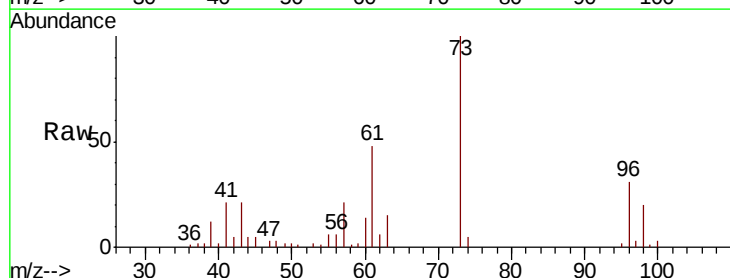
Delta R.T. 0.00 min

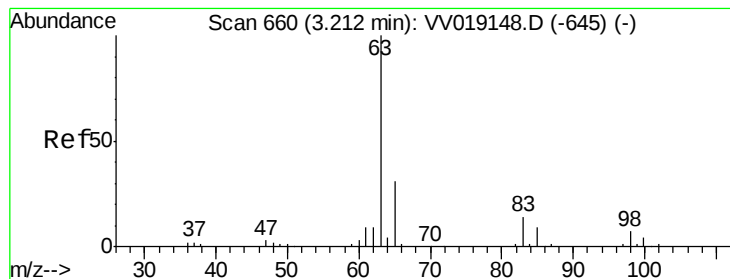
Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Tgt Ion: 73 Resp: 28506

Ion	Ratio	Lower	Upper
73	100		
43	21.7	17.9	26.9
57	20.4	17.1	25.7





#19

1,1-Dichloroethane

Concen: 5.064 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

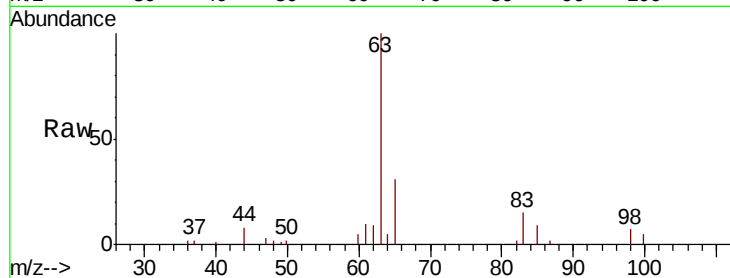
Tot Ion: 63 Resp: 16107

Ion Ratio Lower Upper

63 100

65 30.9 22.0 40.8

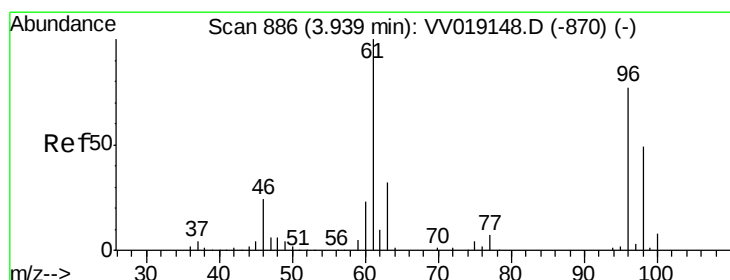
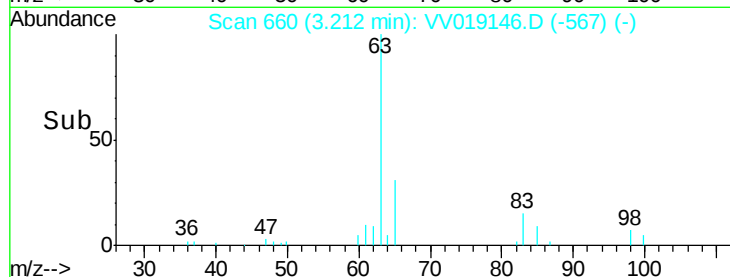
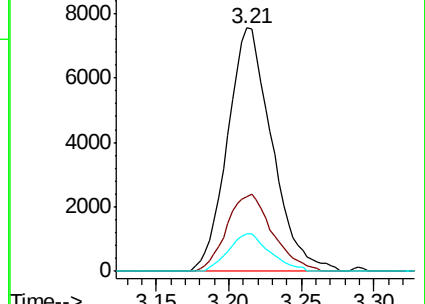
83 15.2 9.6 17.8



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: 5.622 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

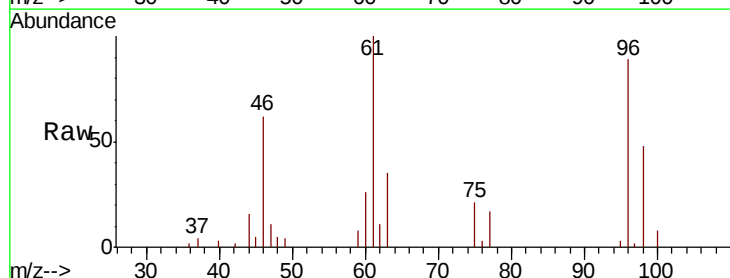
Tgt Ion: 96 Resp: 9646

Ion Ratio Lower Upper

96 100

61 112.5 90.7 168.5

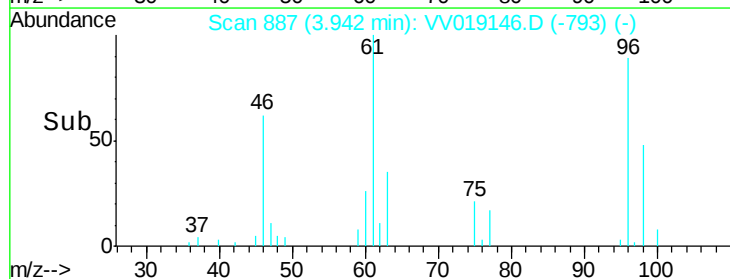
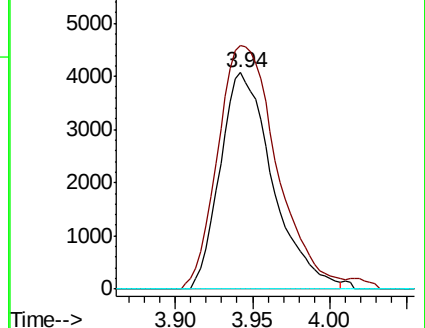
68 0.0 0.0 0.0

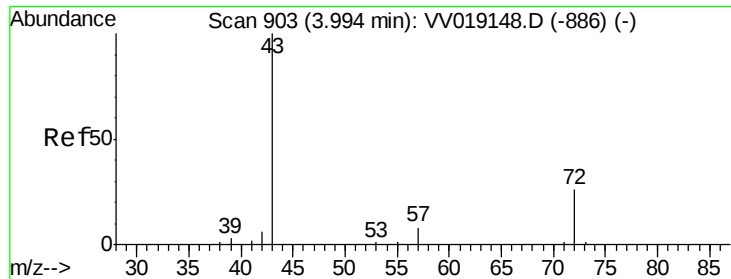


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 8.781 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.03 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

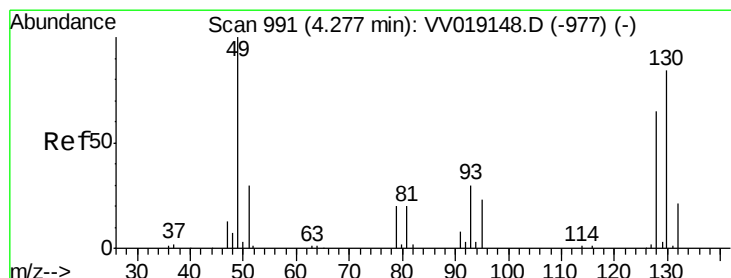
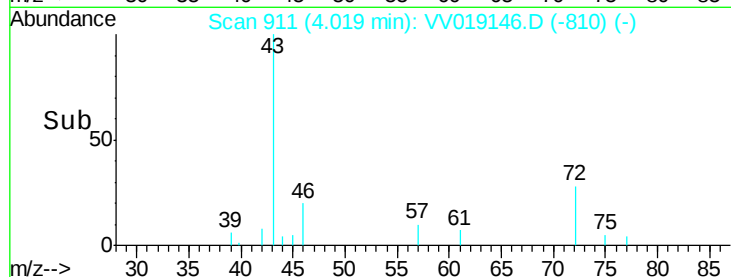
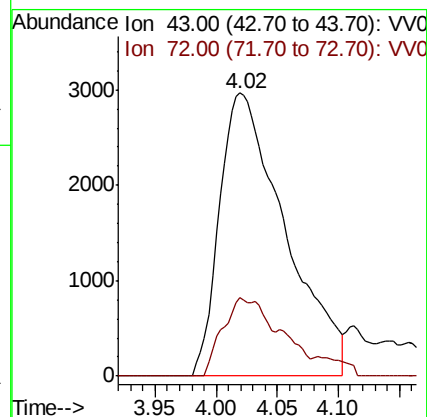
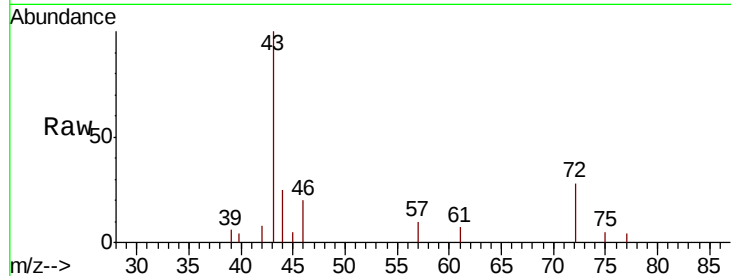
VSTD00562

Tot Ion: 43 Resp: 11096

Ion Ratio Lower Upper

43 100

72 10.9 11.9 35.9#



#23

Bromochloromethane

Concen: 5.824 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Tgt Ion: 128 Resp: 5116

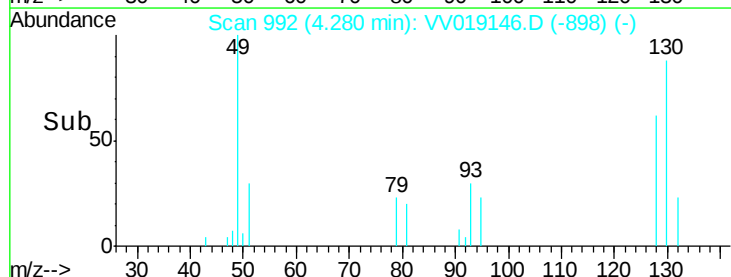
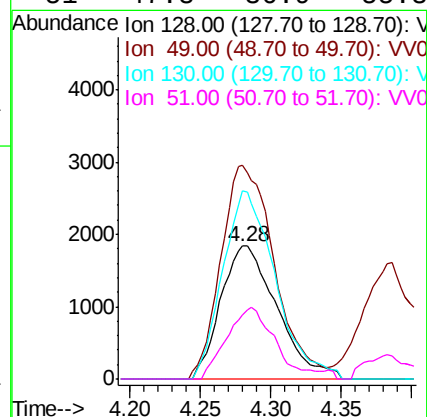
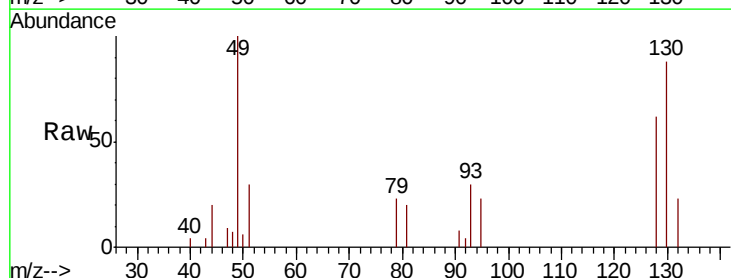
Ion Ratio Lower Upper

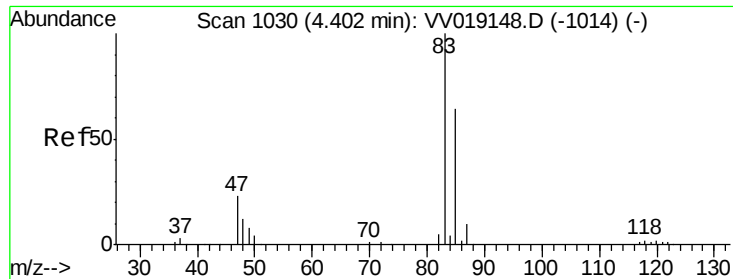
128 100

49 160.6 108.5 201.5

130 141.0 90.4 167.8

51 47.8 36.9 55.3

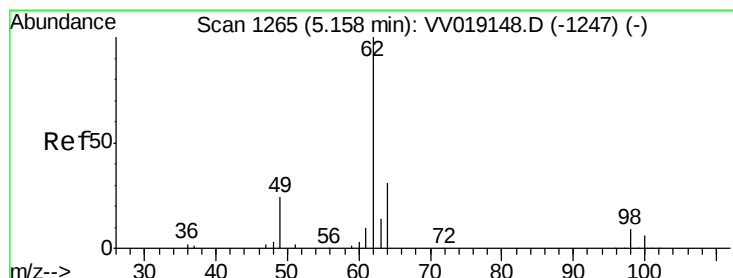
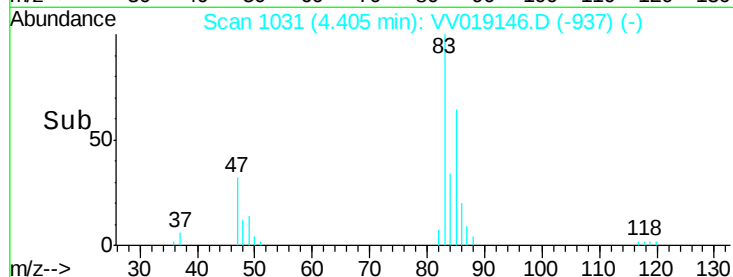
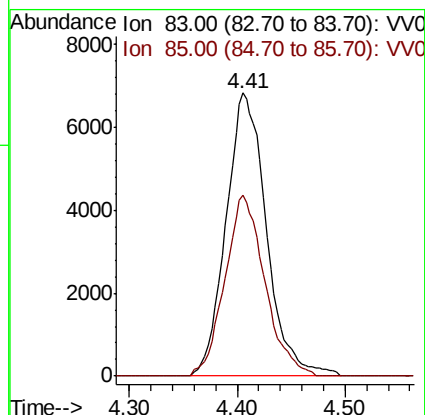
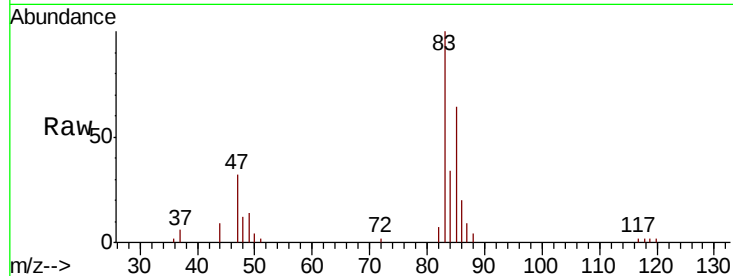




#25
Chloroform
Concen: 5.595 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV019146.D
Acq: 29 Oct 2020 14:05

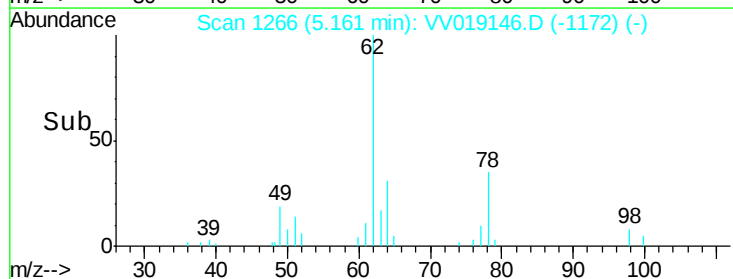
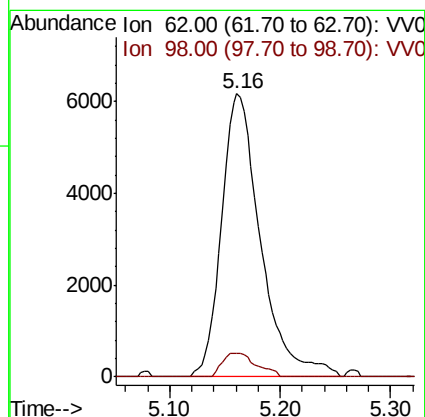
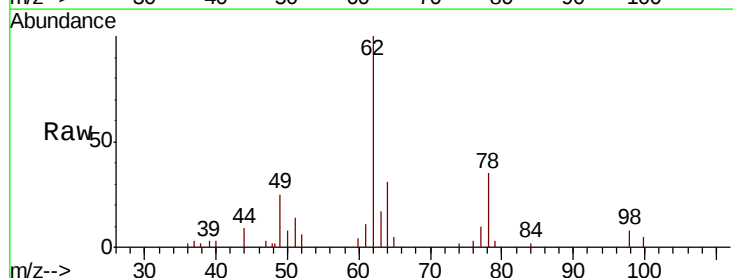
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

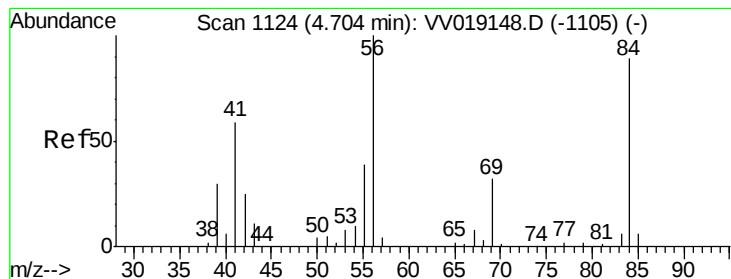
Tot Ion: 83 Resp: 17817
Ion Ratio Lower Upper
83 100
85 64.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.722 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV019146.D
Acq: 29 Oct 2020 14:05

Tgt Ion: 62 Resp: 15147
Ion Ratio Lower Upper
62 100
98 8.2 6.8 10.2





#29

Cyclohexane

Concen: 4.822 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

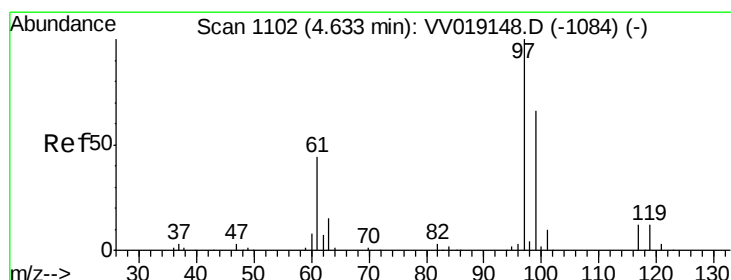
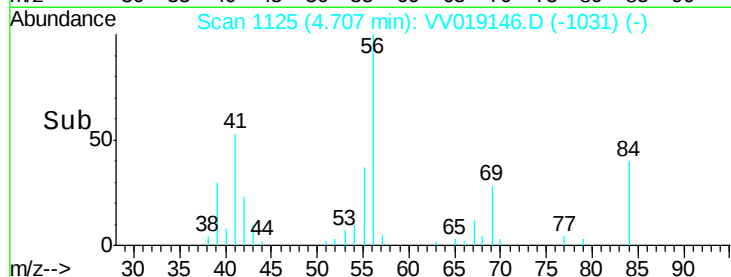
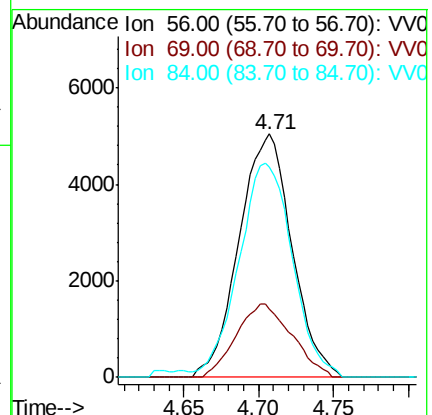
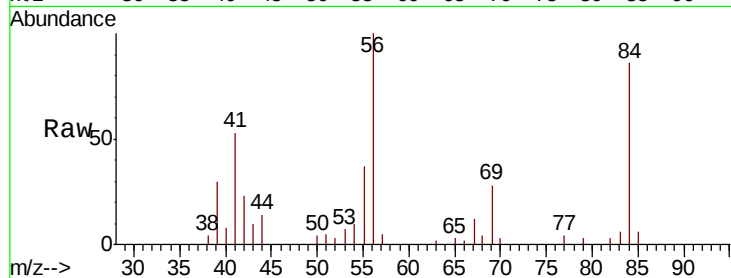
Tot Ion: 56 Resp: 12411

Ion Ratio Lower Upper

56 100

69 31.6 25.0 37.4

84 89.4 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 5.788 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

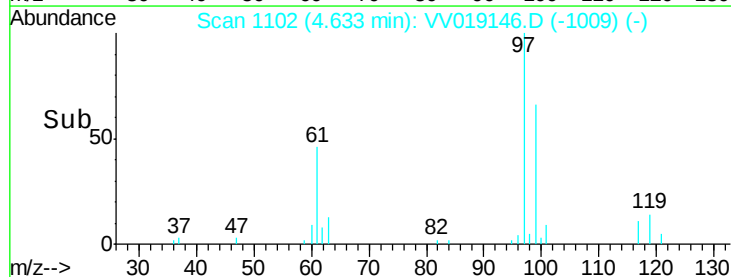
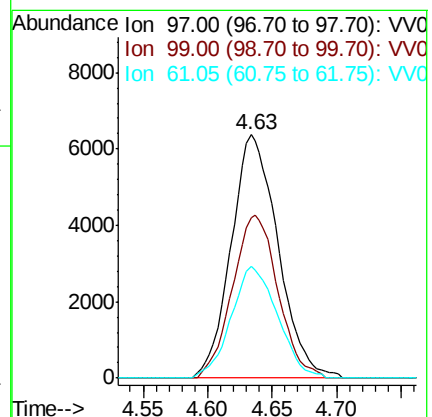
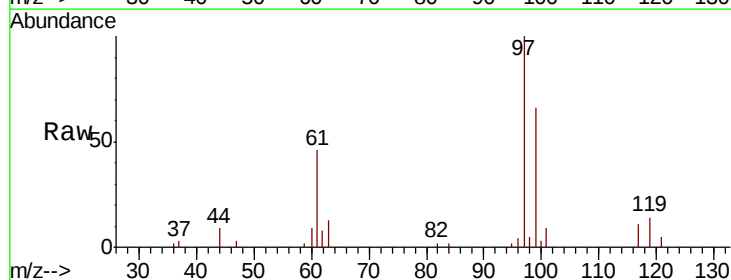
Tgt Ion: 97 Resp: 16119

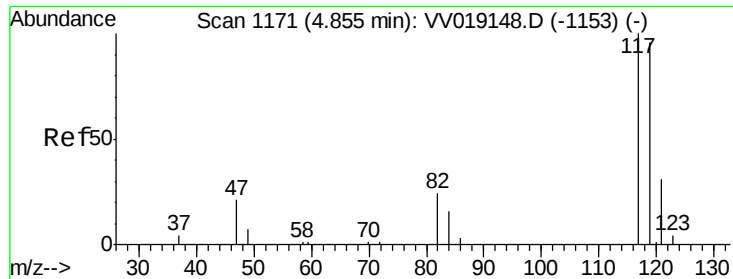
Ion Ratio Lower Upper

97 100

99 64.8 51.3 76.9

61 45.4 34.6 52.0

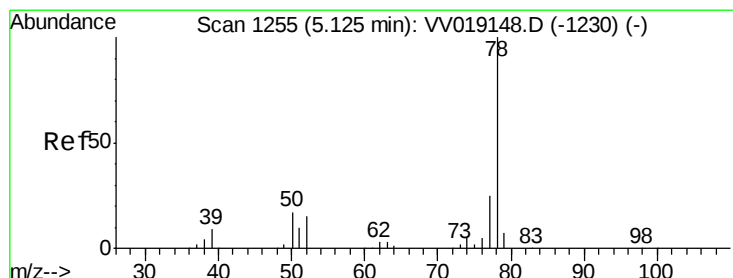
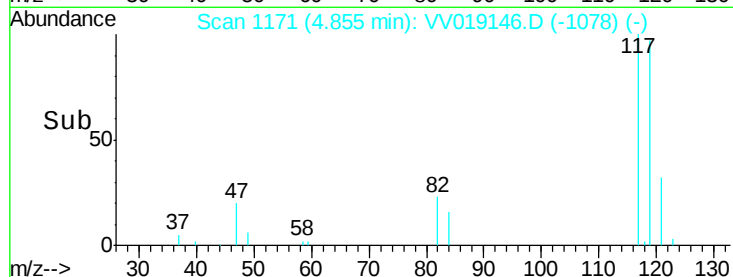
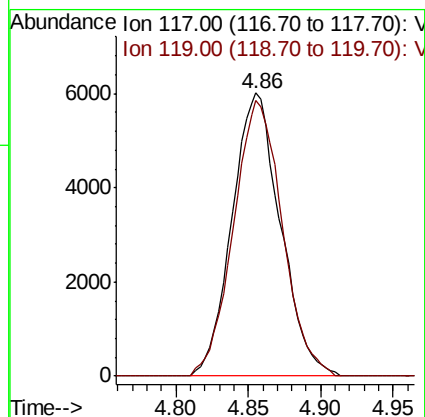
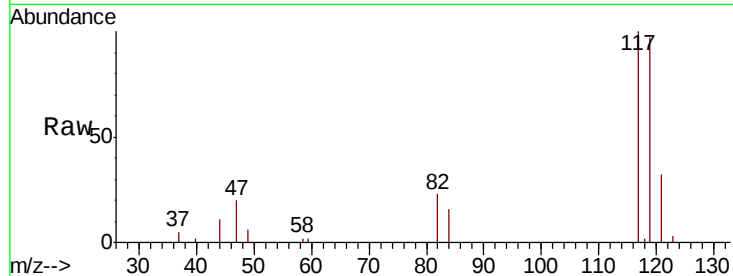




#31
Carbon tetrachloride
Concen: 5.711 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV019146.D
Acq: 29 Oct 2020 14:05

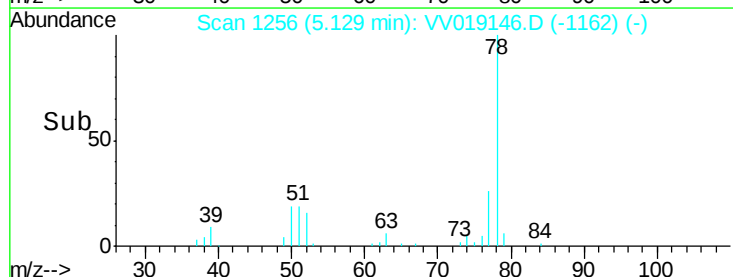
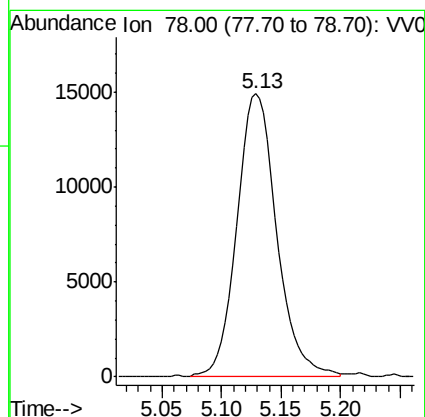
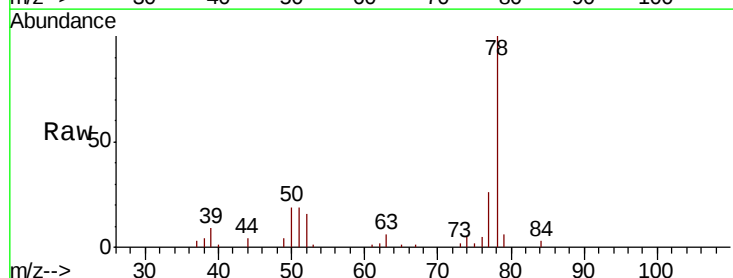
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

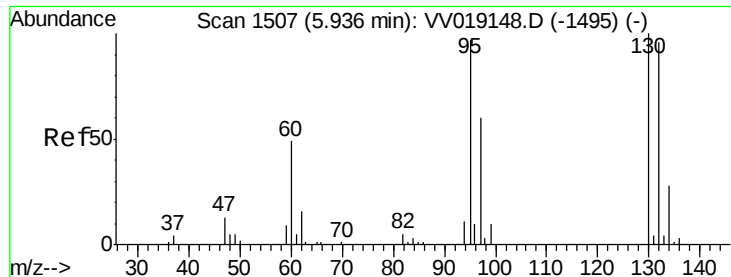
Tot Ion:117 Resp: 13956
Ion Ratio Lower Upper
117 100
119 98.1 77.2 115.8



#33
Benzene
Concen: 5.221 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV019146.D
Acq: 29 Oct 2020 14:05

Tgt Ion: 78 Resp: 34648

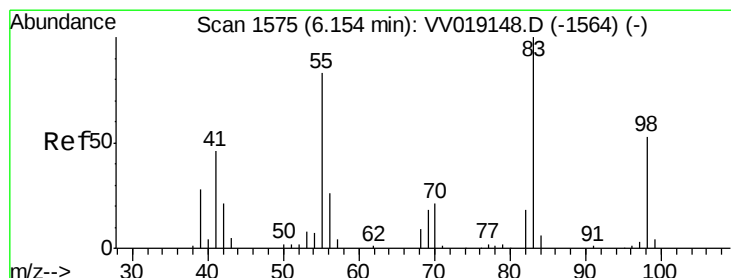
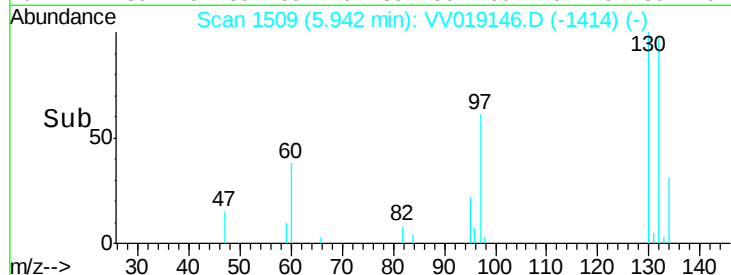
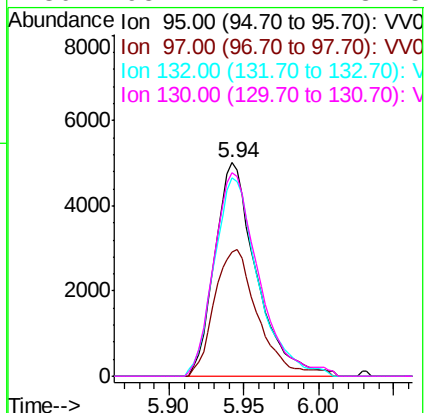
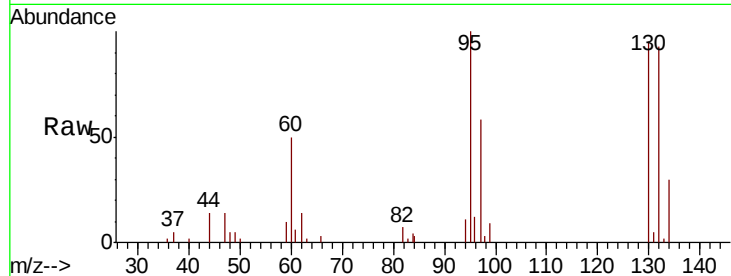




#34
 Trichloroethene
 Concen: 5.704 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV019146.D
 Acq: 29 Oct 2020 14:05

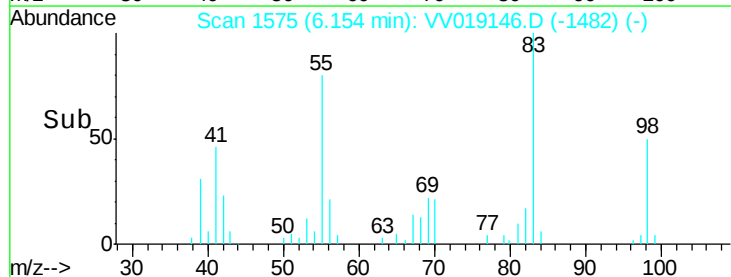
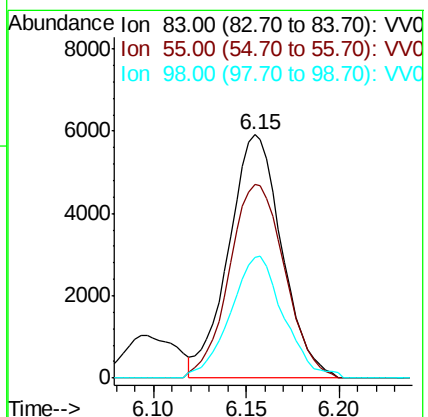
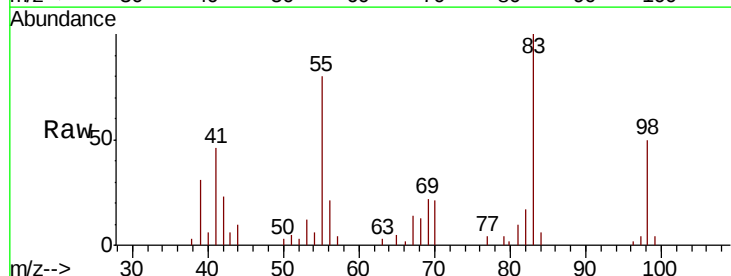
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

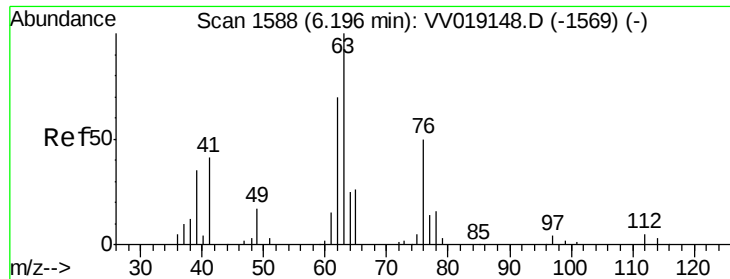
Tot Ion: 95 Resp: 9736
 Ion Ratio Lower Upper
 95 100
 97 58.0 43.4 80.6
 132 92.8 69.7 129.4
 130 95.2 72.4 134.5



#35
 Methylcyclohexane
 Concen: 5.044 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV019146.D
 Acq: 29 Oct 2020 14:05

Tgt Ion: 83 Resp: 11749
 Ion Ratio Lower Upper
 83 100
 55 83.3 62.2 93.4
 98 49.9 39.4 59.2

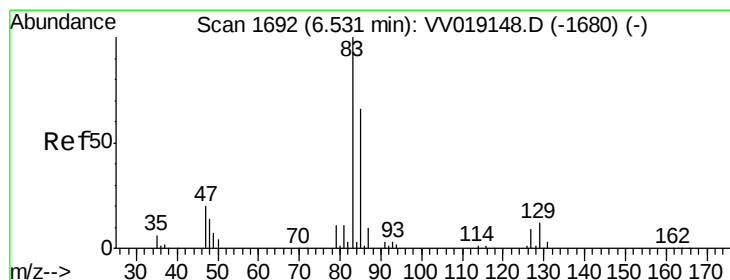
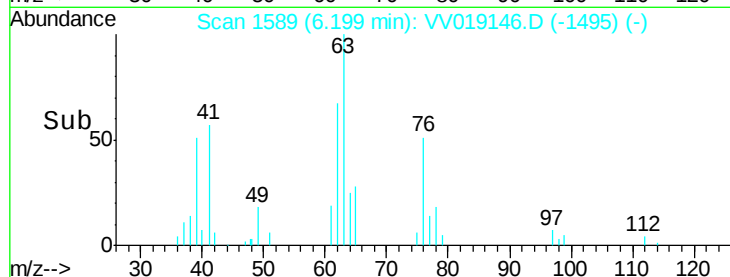
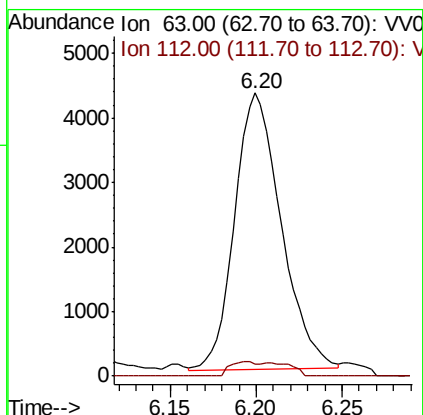
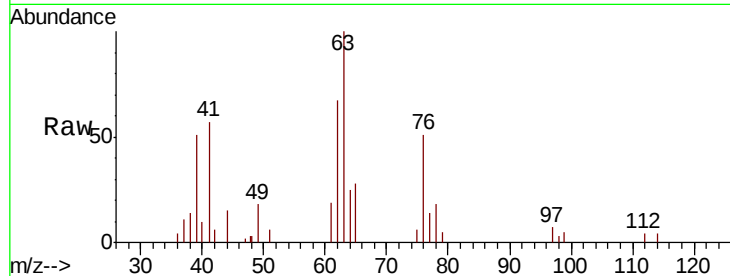




#37
 1,2-Dichloropropane
 Concen: 4.439 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV019146.D
 Acq: 29 Oct 2020 14:05

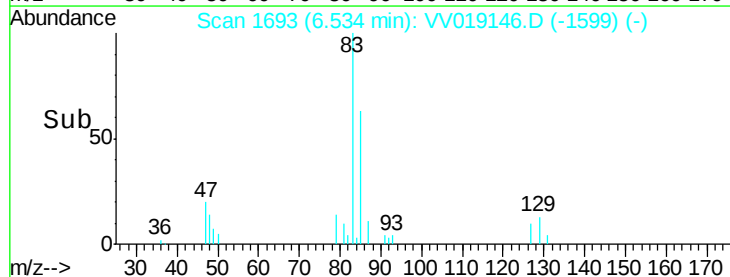
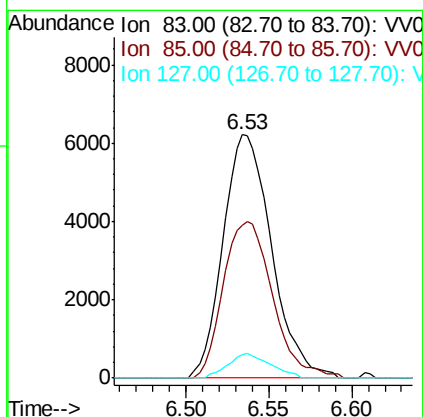
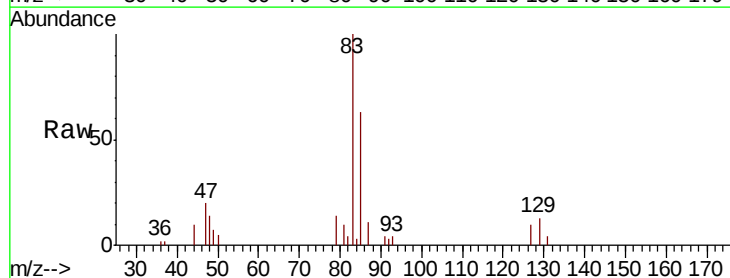
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

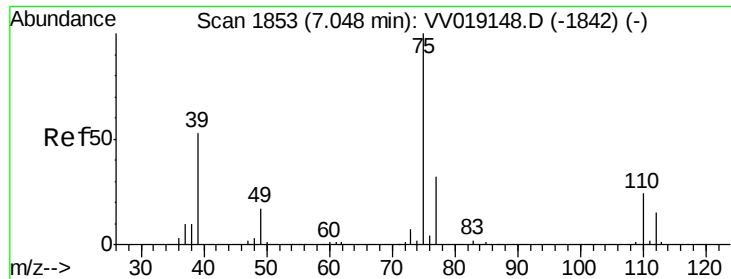
Tot Ion: 63 Resp: 7999
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.8 5.8#



#38
 Bromodichloromethane
 Concen: 5.387 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV019146.D
 Acq: 29 Oct 2020 14:05

Tgt Ion: 83 Resp: 12636
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.9 85.3
 127 9.6 6.9 10.3

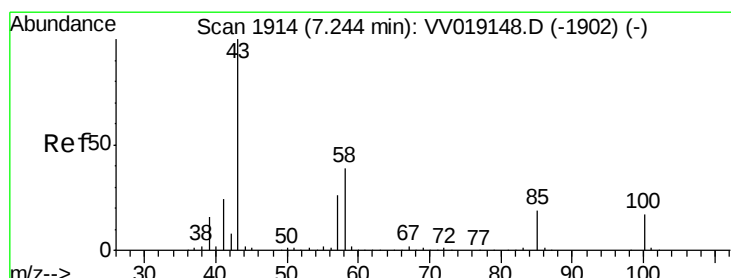
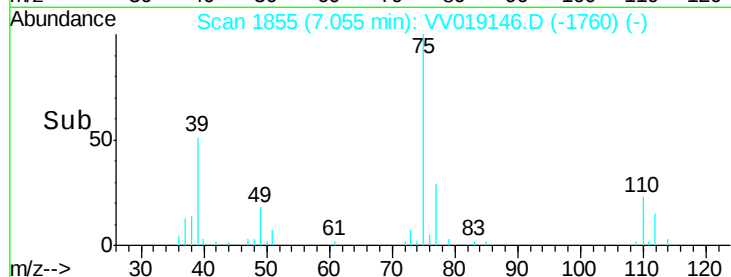
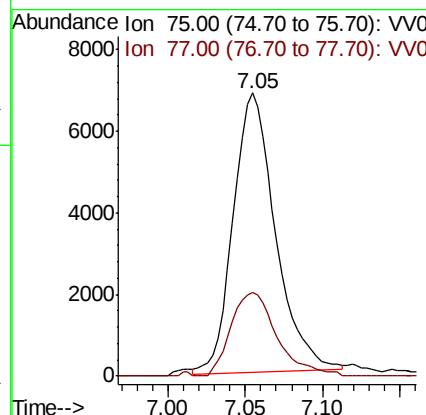
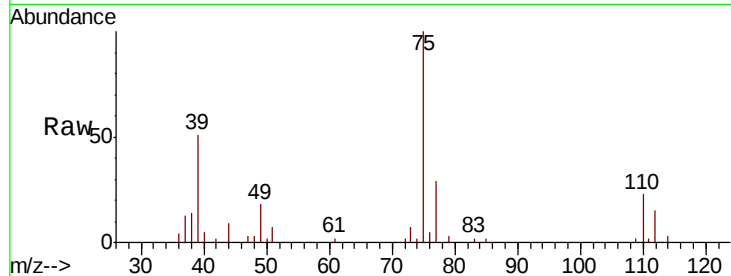




#39
 cis-1,3-Dichloropropene
 Concen: 4.785 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV019146.D
 Acq: 29 Oct 2020 14:05

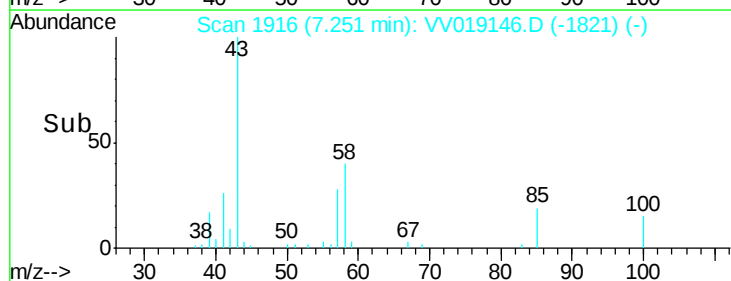
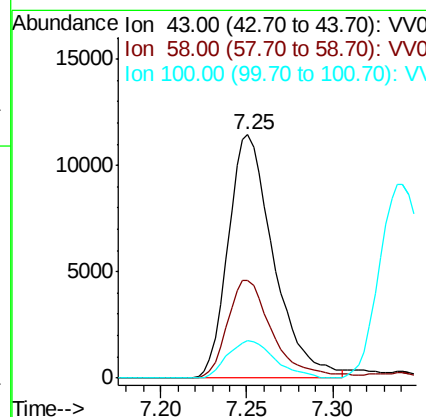
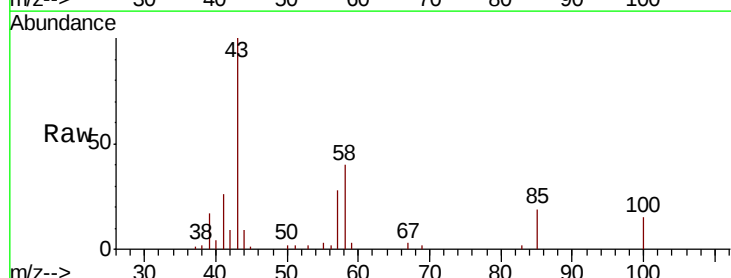
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

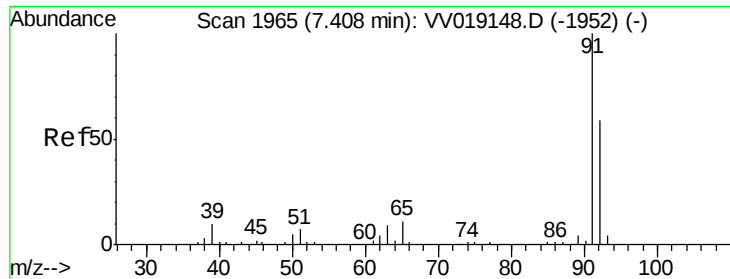
Tot Ion: 75 Resp: 13001
 Ion Ratio Lower Upper
 75 100
 77 29.5 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 8.705 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VV019146.D
 Acq: 29 Oct 2020 14:05

Tgt Ion: 43 Resp: 21109
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.0 46.4
 100 16.0 13.2 19.8





#42

Toluene

Concen: 5.212 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

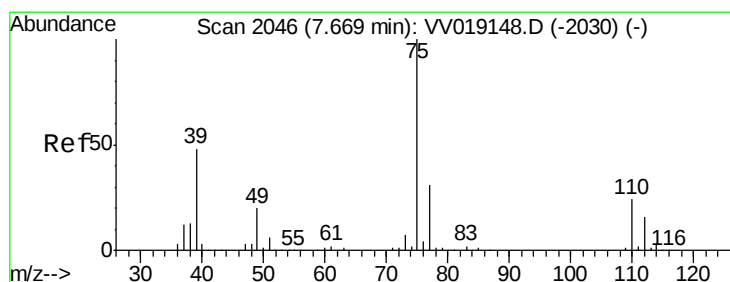
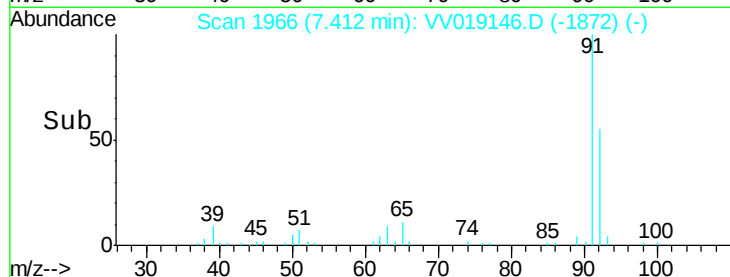
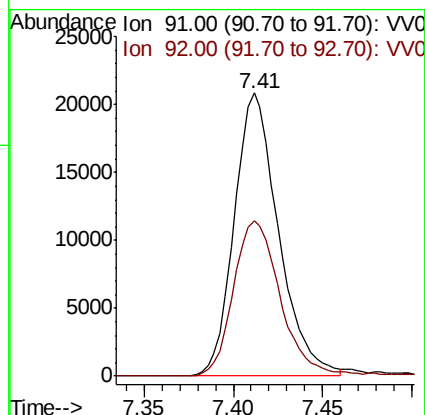
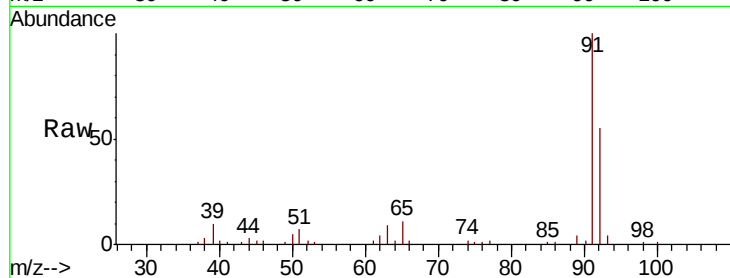
VSTD00562

Tot Ion: 91 Resp: 36024

Ion Ratio Lower Upper

91 100

92 54.8 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 5.077 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019146.D

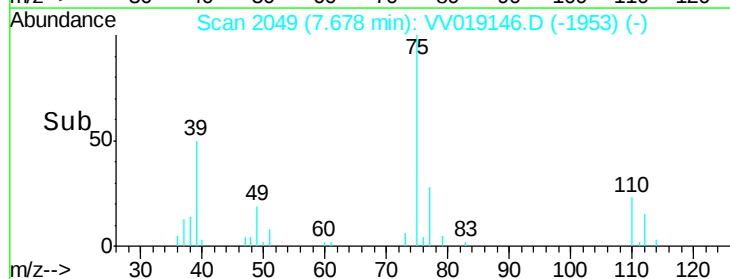
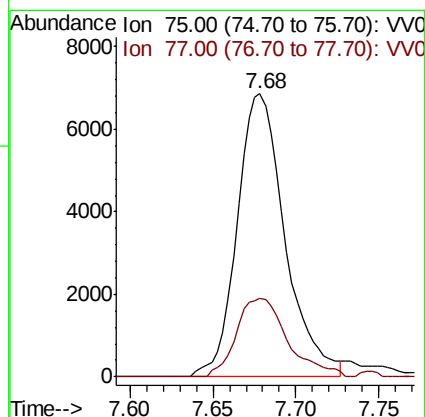
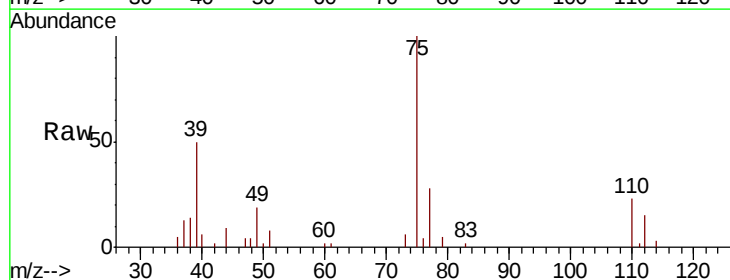
Acq: 29 Oct 2020 14:05

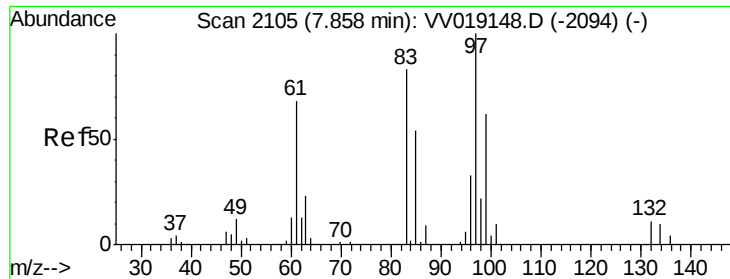
Tgt Ion: 75 Resp: 13752

Ion Ratio Lower Upper

75 100

77 27.9 21.8 40.4

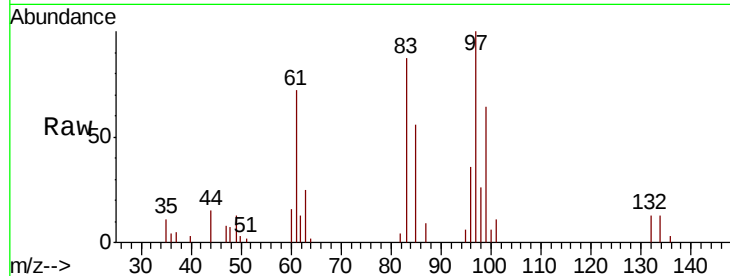




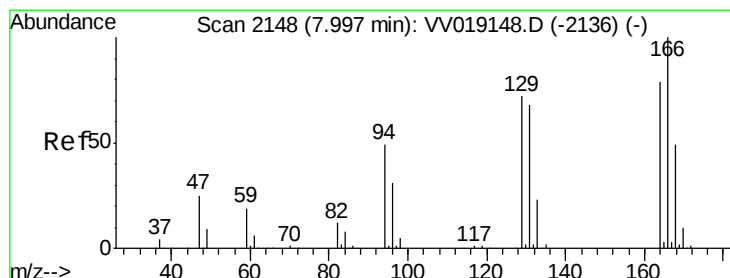
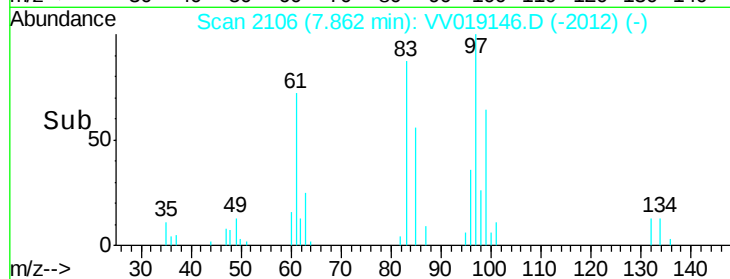
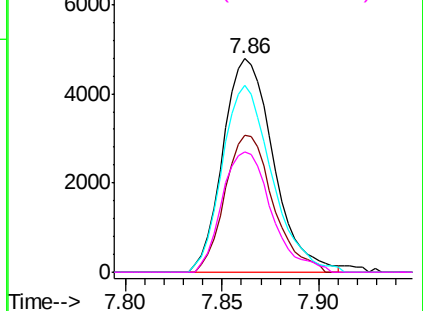
#45
1,1,2-Trichloroethane
Concen: 5.345 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV019146.D
Acq: 29 Oct 2020 14:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tot Ion:	97	Resp:	8714
Ion	Ratio	Lower	Upper
97	100		
99	64.4	43.1	80.1
83	87.2	58.3	108.3
85	56.3	37.8	70.2

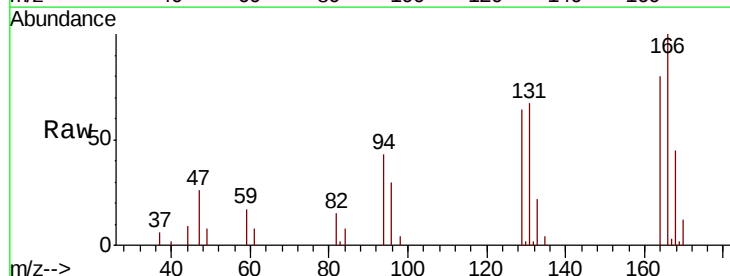


Abundance Ion 97.00 (96.70 to 97.70): VV019146.D (-2094) (-)

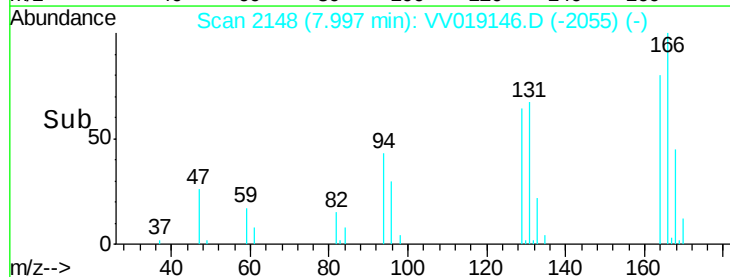
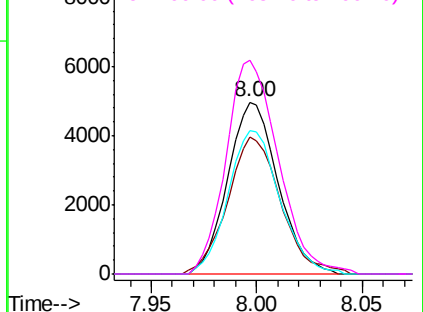


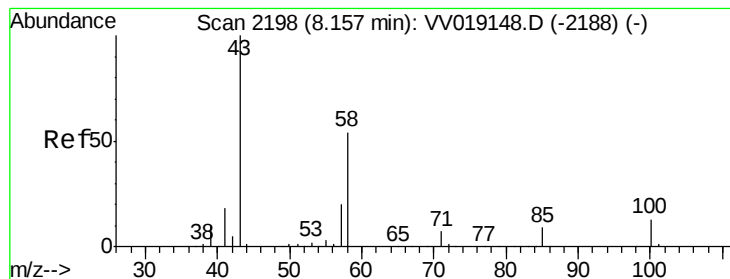
#46
Tetrachloroethene
Concen: 6.161 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV019146.D
Acq: 29 Oct 2020 14:05

Tgt Ion:	164	Resp:	8238
Ion	Ratio	Lower	Upper
164	100		
129	79.5	63.2	117.4
131	83.4	60.3	112.1
166	124.4	88.3	163.9



Abundance Ion 164.00 (163.70 to 164.70): VV019146.D (-2094) (-)





#48

2-Hexanone

Concen: 9.490 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

Tot Ion: 43 Resp: 17758

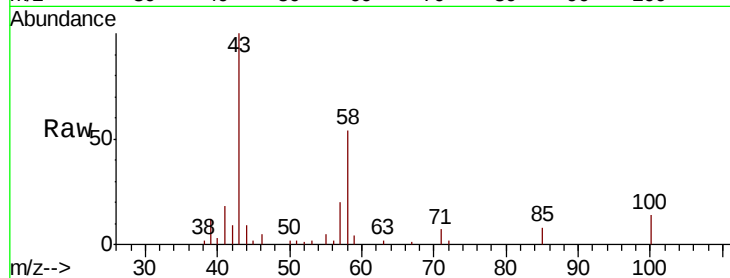
Ion Ratio Lower Upper

43 100

58 53.4 43.6 65.4

57 18.7 16.0 24.0

100 12.8 10.3 15.5



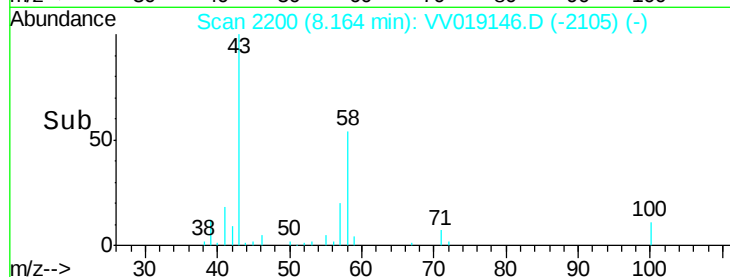
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

Time-->



Abundance

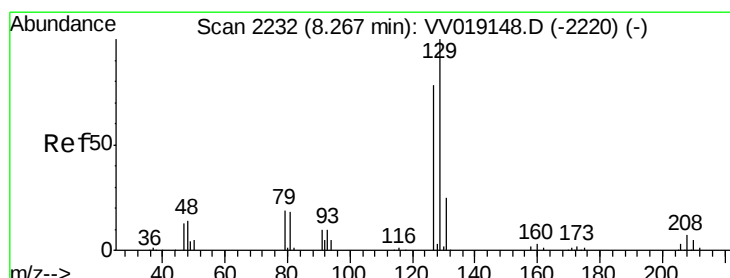
Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

Time-->



#49

Dibromochloromethane

Concen: 5.638 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV019146.D

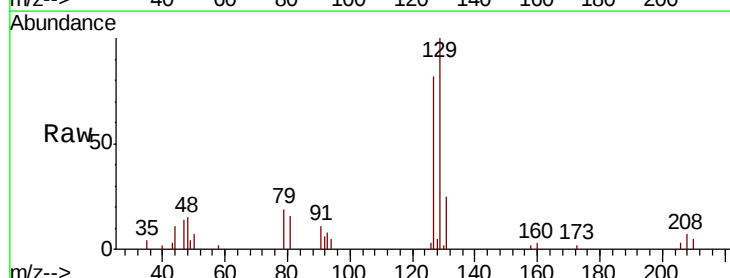
Acq: 29 Oct 2020 14:05

Tgt Ion: 129 Resp: 10185

Ion Ratio Lower Upper

129 100

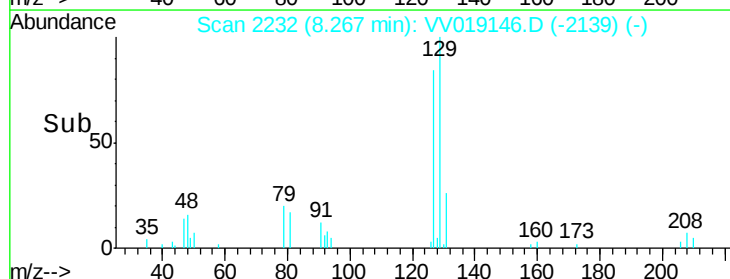
127 82.3 54.7 101.5



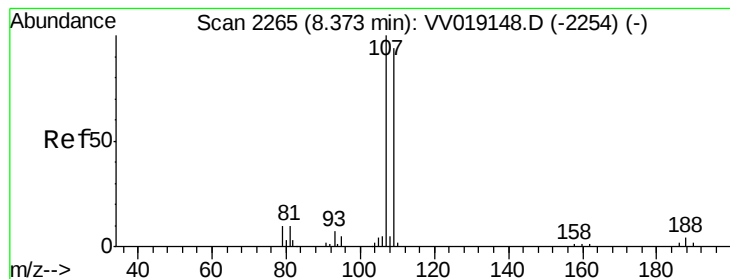
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

Time-->



Time-->



#50

1,2-Dibromoethane

Concen: 5.339 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

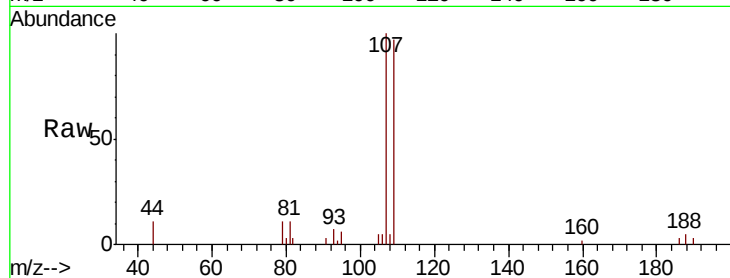
Tot Ion:107 Resp: 9082

Ion Ratio Lower Upper

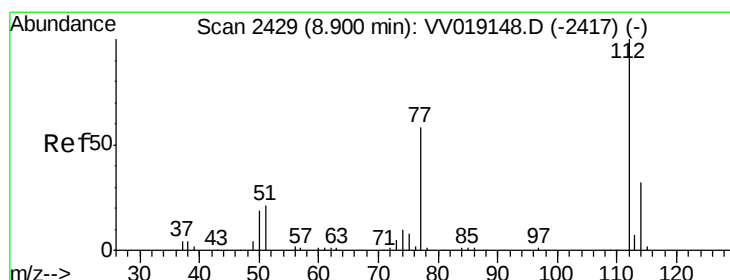
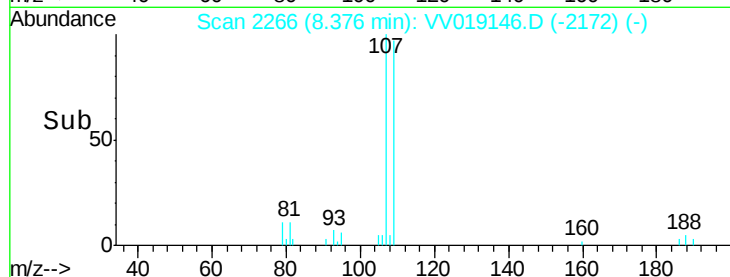
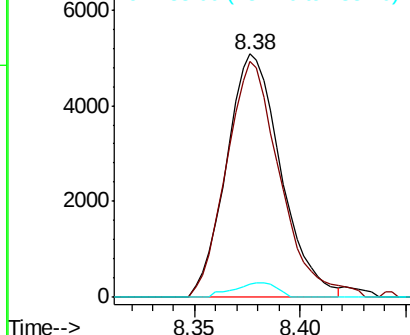
107 100

109 96.8 65.7 121.9

188 5.3 3.4 5.2#



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 5.505 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

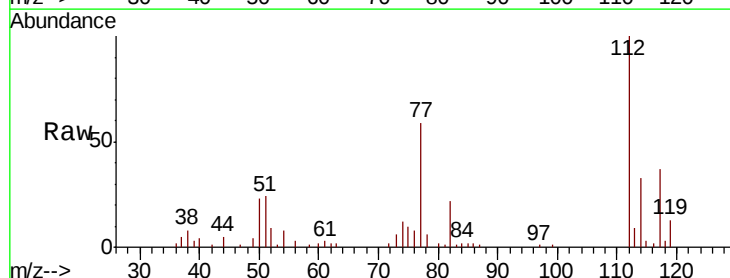
Tgt Ion:112 Resp: 24522

Ion Ratio Lower Upper

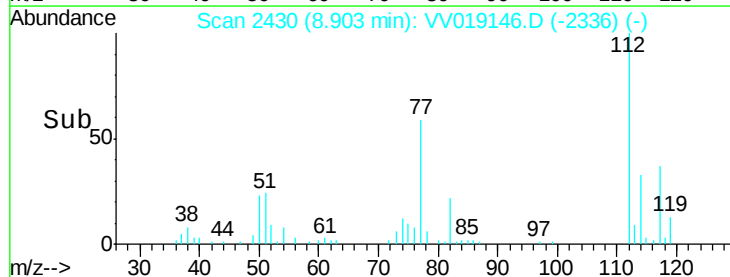
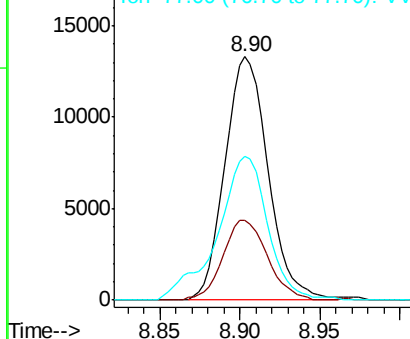
112 100

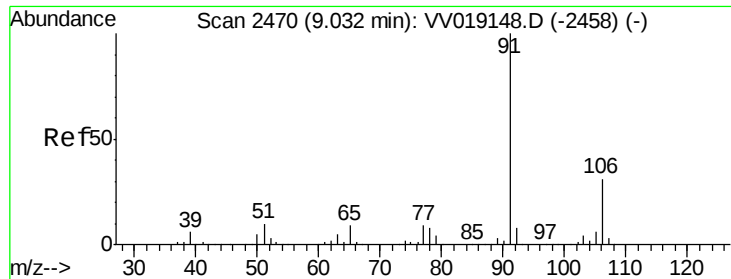
114 32.9 22.3 41.5

77 59.3 46.7 70.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 5.380 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

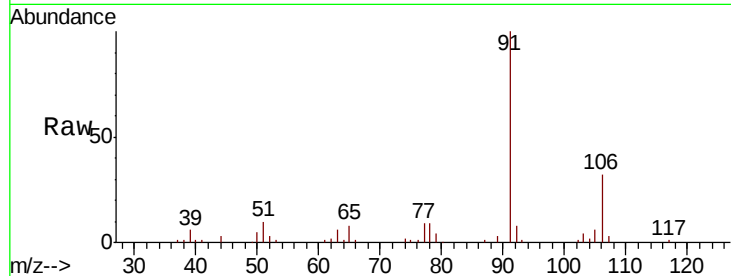
VSTD00562

Tot Ion: 91 Resp: 40229

Ion Ratio Lower Upper

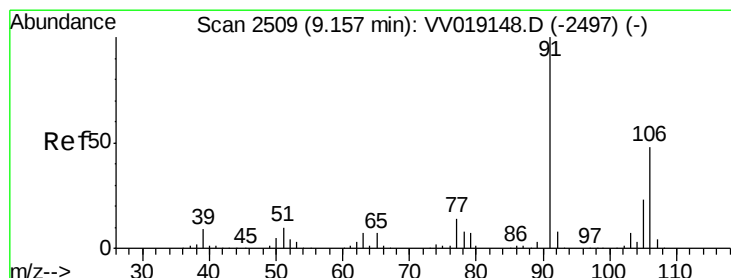
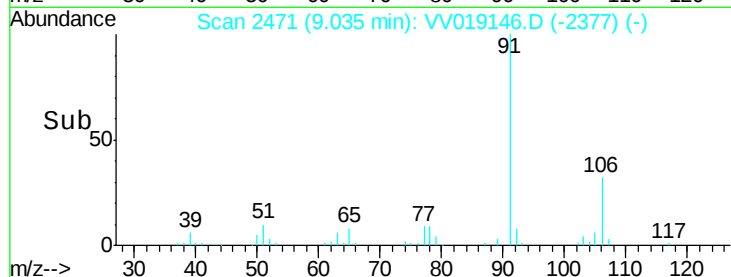
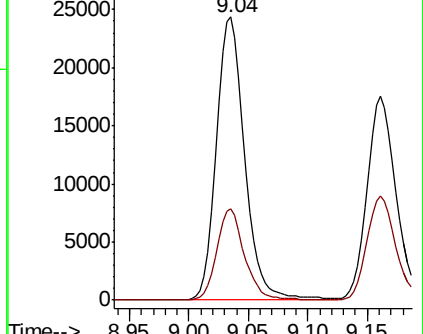
91 100

106 32.4 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019146.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV019146.D (-2377) (-)



#53

m,p-Xylene

Concen: 5.432 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019146.D

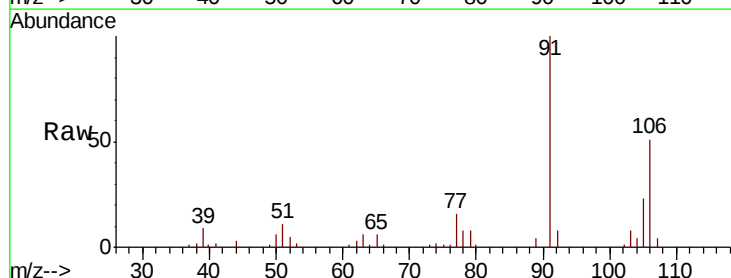
Acq: 29 Oct 2020 14:05

Tgt Ion: 106 Resp: 14978

Ion Ratio Lower Upper

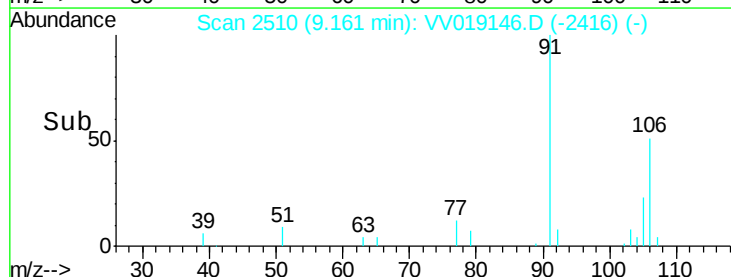
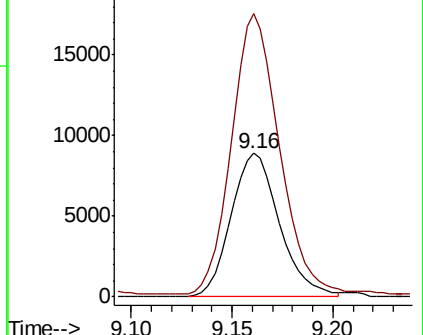
106 100

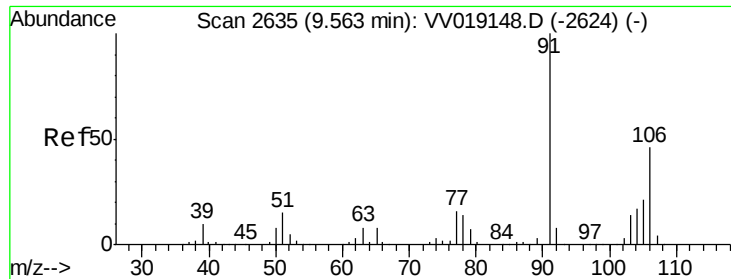
91 196.9 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): VV019146.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV019146.D (-2416) (-)





#54

o-xylene

Concen: 5.274 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

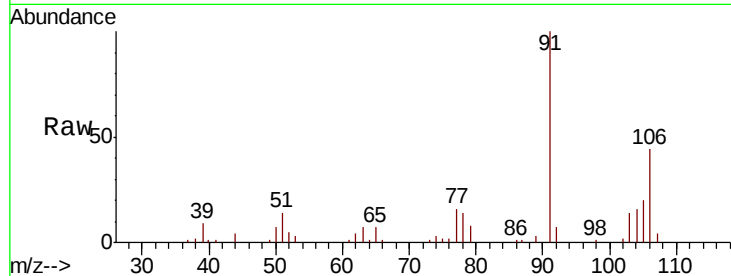
VSTD00562

Tot Ion:106 Resp: 13998

Ion Ratio Lower Upper

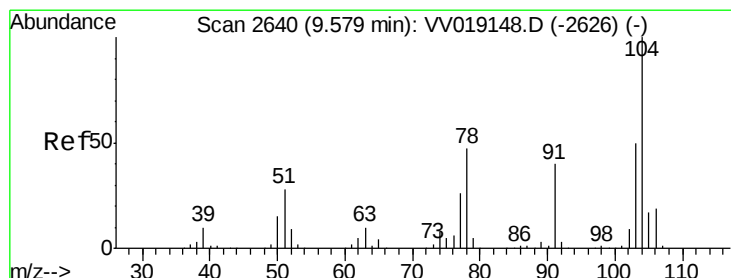
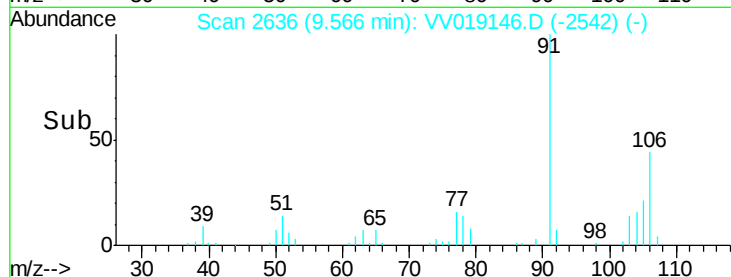
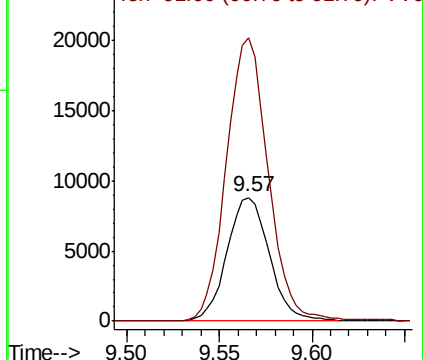
106 100

91 228.3 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 5.105 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV019146.D

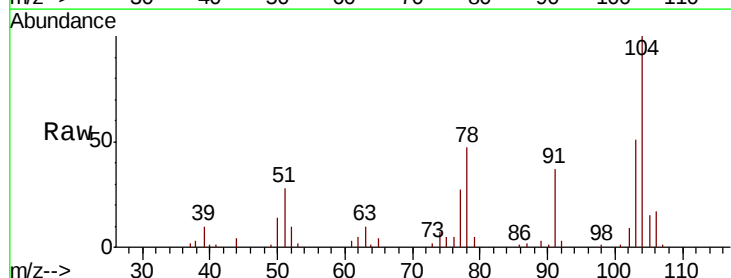
Acq: 29 Oct 2020 14:05

Tgt Ion:104 Resp: 24023

Ion Ratio Lower Upper

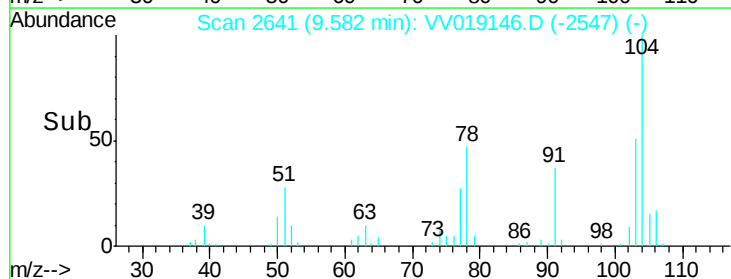
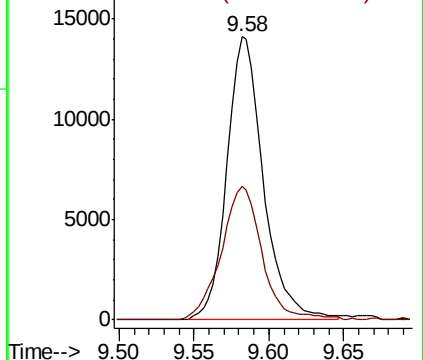
104 100

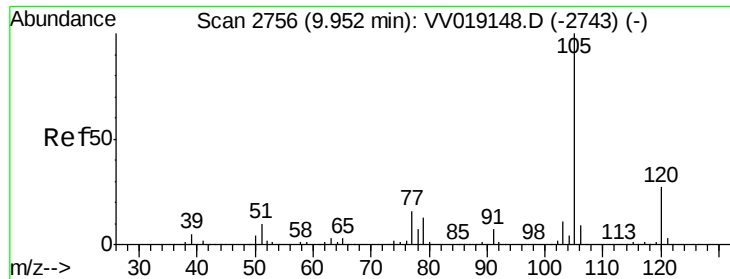
78 47.0 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 5.320 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

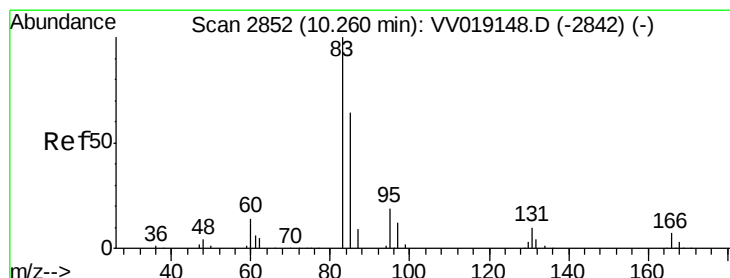
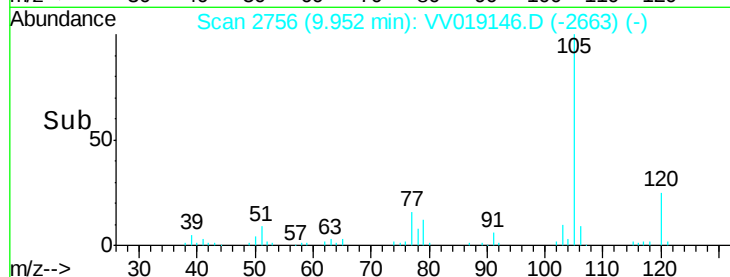
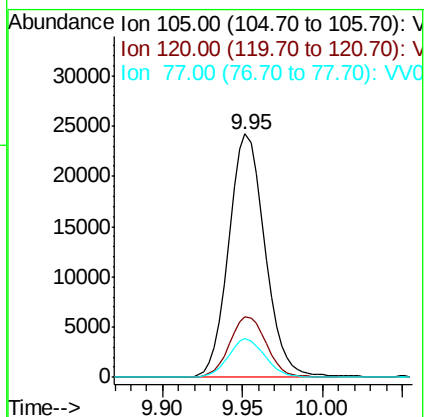
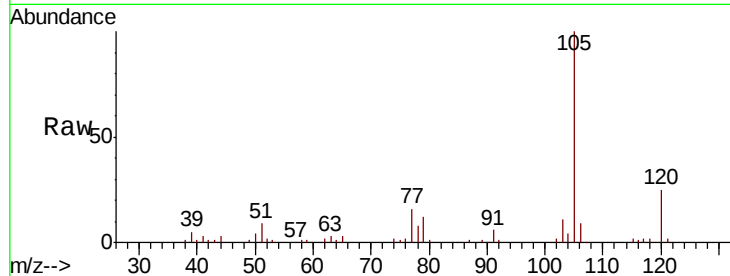
Tot Ion:105 Resp: 37316

Ion Ratio Lower Upper

105 100

120 25.2 21.3 31.9

77 15.9 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 4.951 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

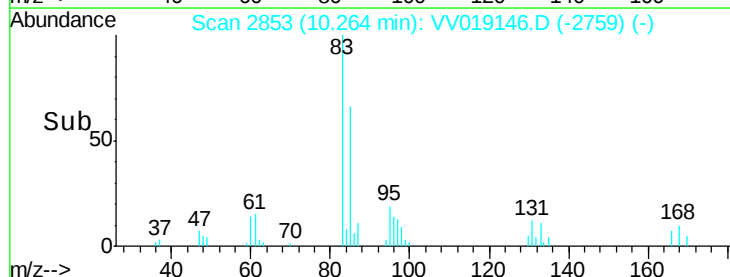
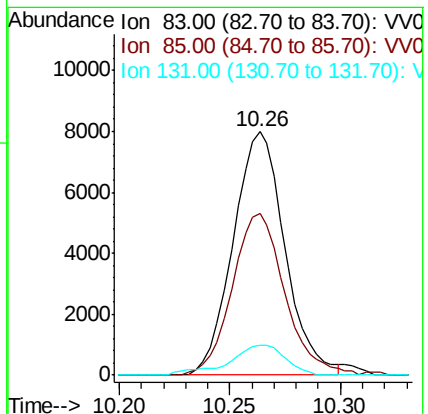
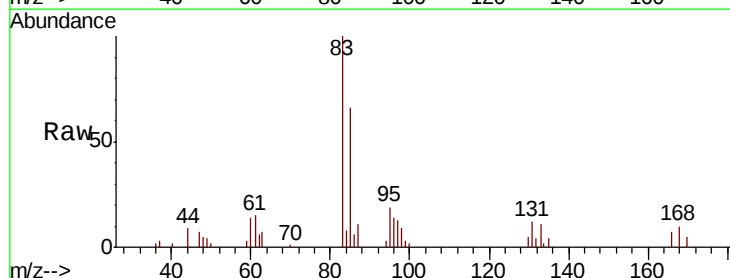
Tgt Ion: 83 Resp: 13054

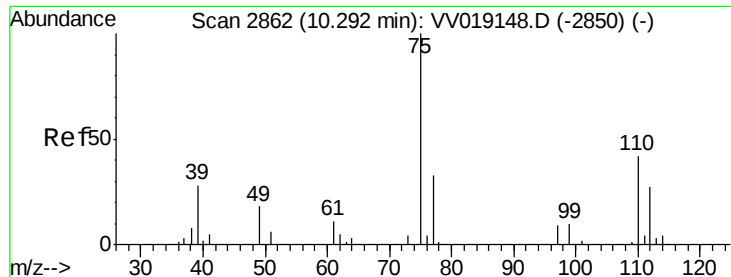
Ion Ratio Lower Upper

83 100

85 66.2 45.8 85.0

131 12.5 8.9 13.3





#59

1,2,3-Trichloropropane

Concen: 5.383 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

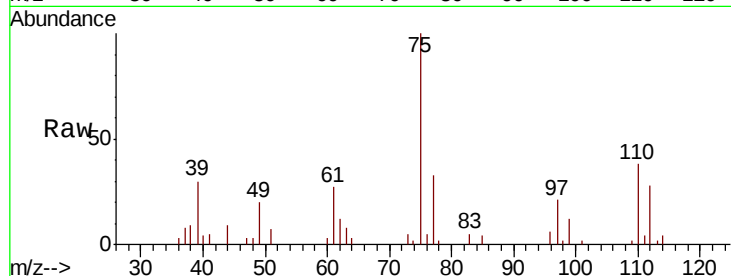
VSTD00562

Tot Ion: 75 Resp: 11515

Ion Ratio Lower Upper

75 100

77 33.6 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV019148.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV019148.D (-2850) (-)

8000

6000

4000

2000

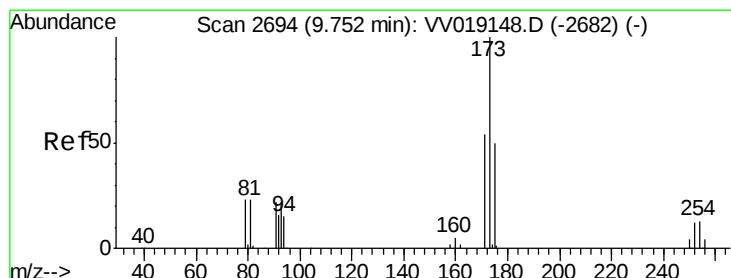
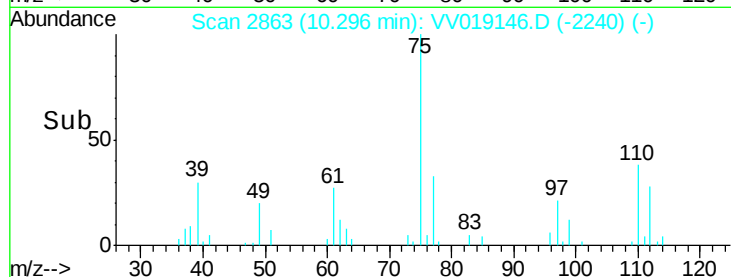
0

10.25

10.30

10.35

Time-->



#61

Bromoform

Concen: 5.890 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

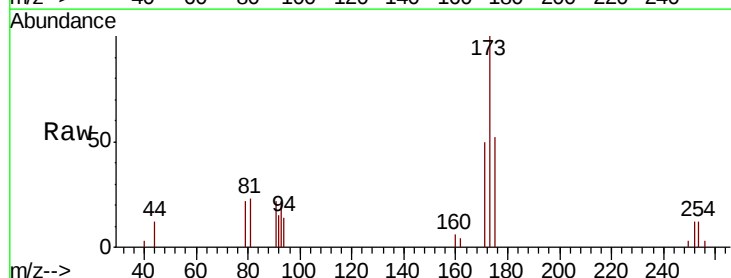
Tgt Ion: 173 Resp: 7999

Ion Ratio Lower Upper

173 100

175 49.1 39.8 59.6

254 11.1 9.7 14.5



Abundance Ion 173.00 (172.70 to 173.70): VV019148.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV019148.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV019148.D (-2682) (-)

6000

5000

4000

3000

2000

1000

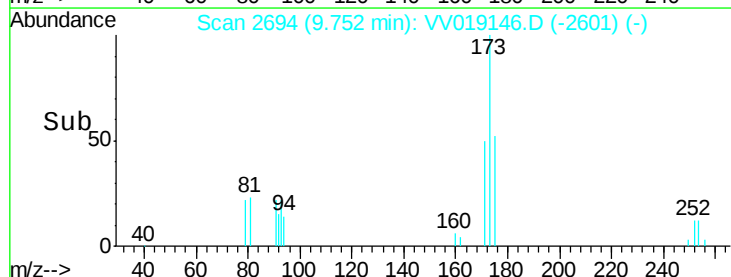
0

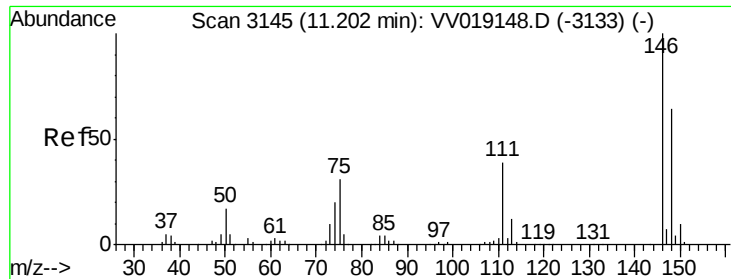
9.70

9.75

9.80

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.709 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

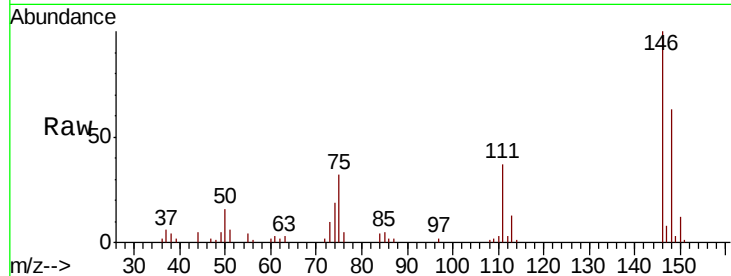
Tot Ion:146 Resp: 20545

Ion Ratio Lower Upper

146 100

111 37.3 27.1 50.3

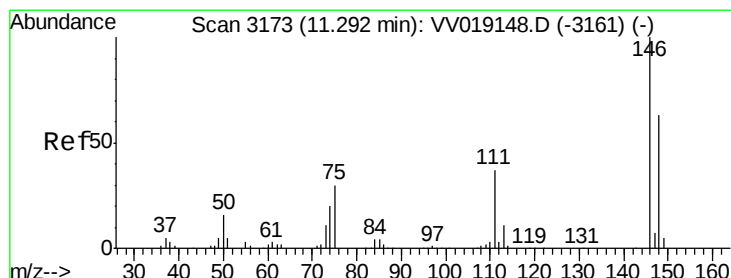
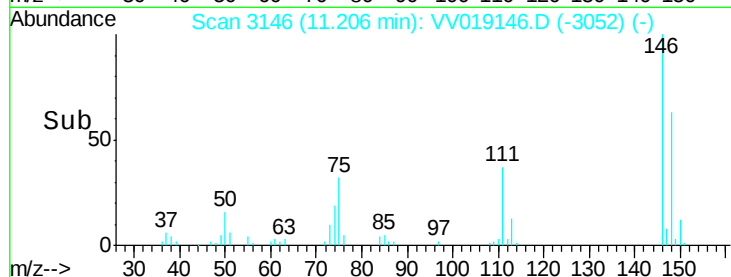
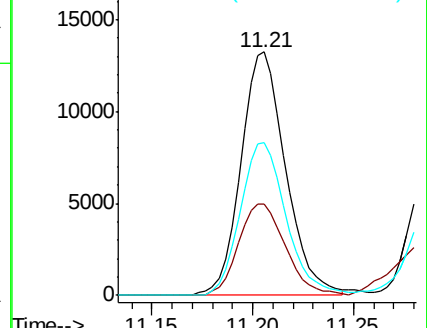
148 62.5 44.7 83.1



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: 5.940 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

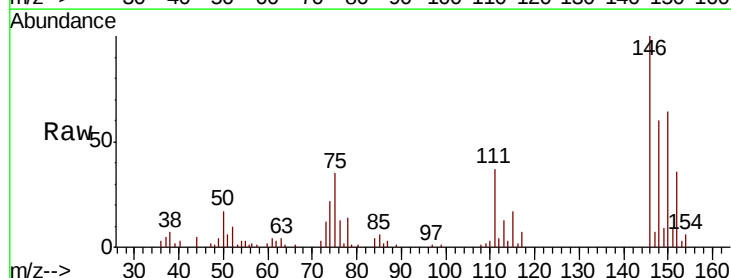
Tgt Ion:146 Resp: 22344

Ion Ratio Lower Upper

146 100

111 36.9 25.8 48.0

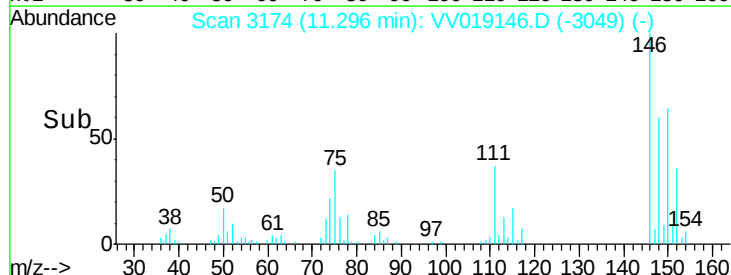
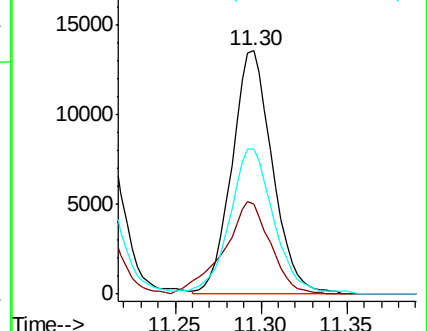
148 59.8 44.0 81.6

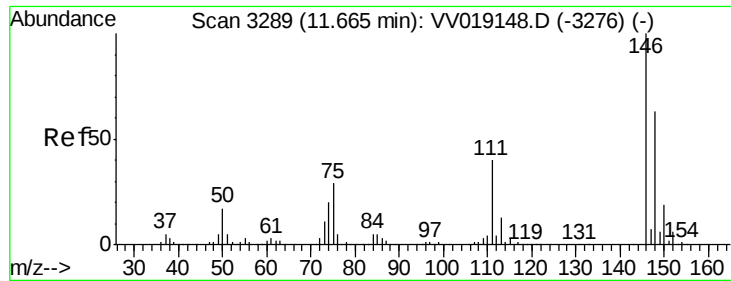


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.608 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

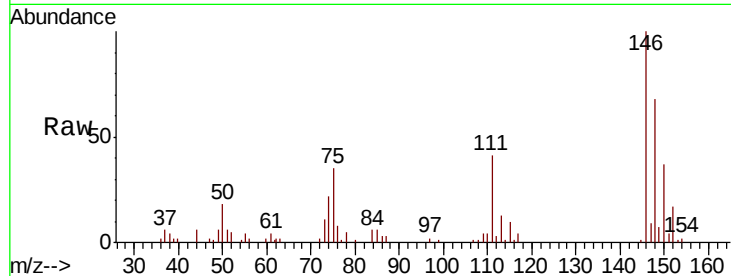
Tot Ion:146 Resp: 20331

Ion Ratio Lower Upper

146 100

111 41.4 32.2 48.4

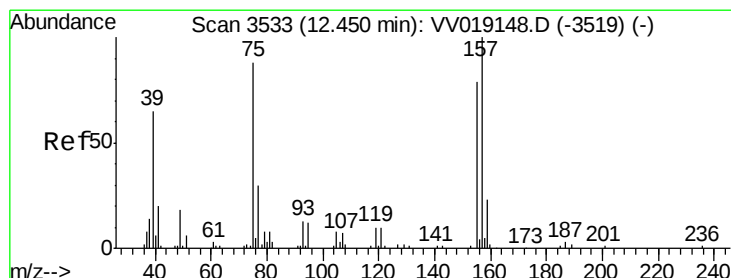
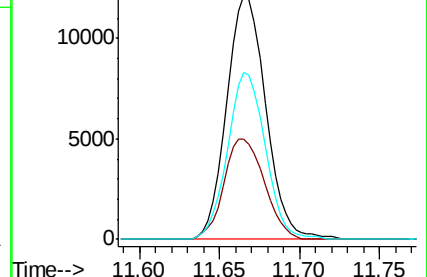
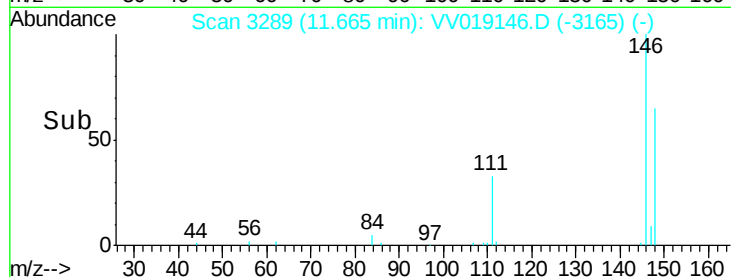
148 68.5 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.442 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

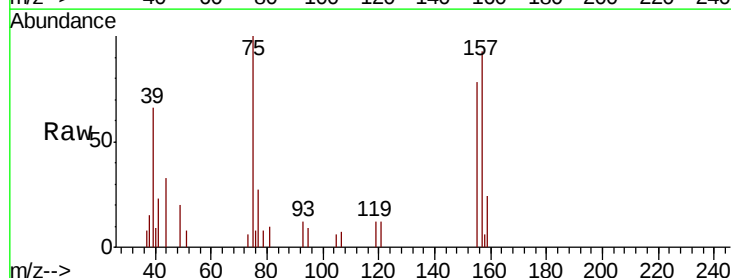
Tgt Ion: 75 Resp: 3434

Ion Ratio Lower Upper

75 100

155 78.0 71.1 106.7

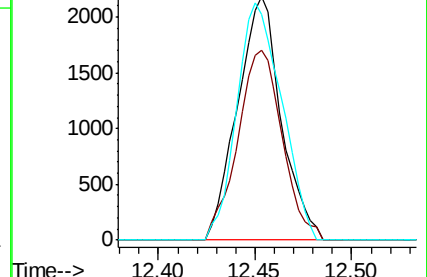
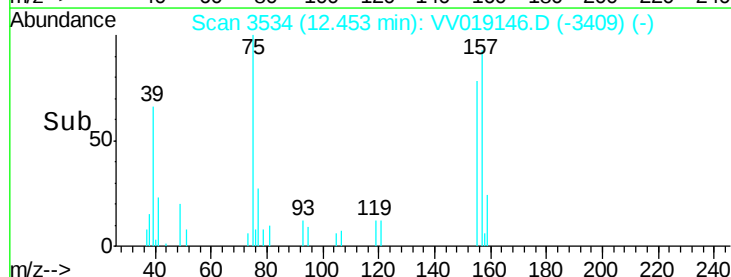
157 92.7 90.5 135.7

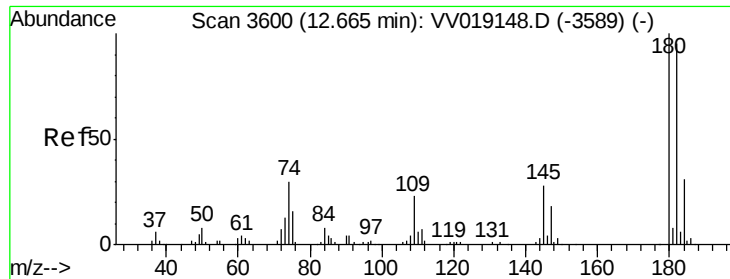


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

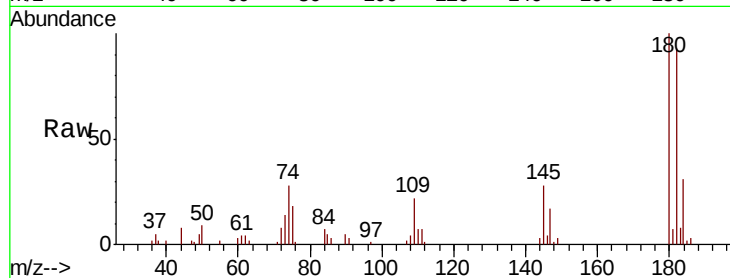




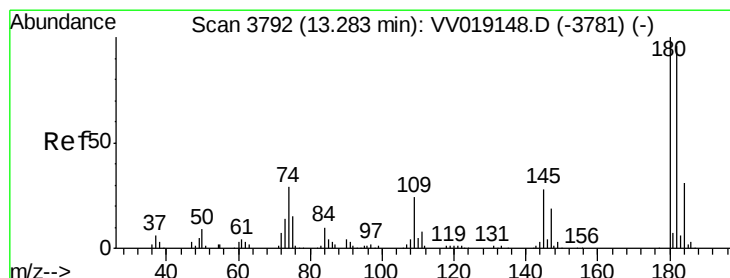
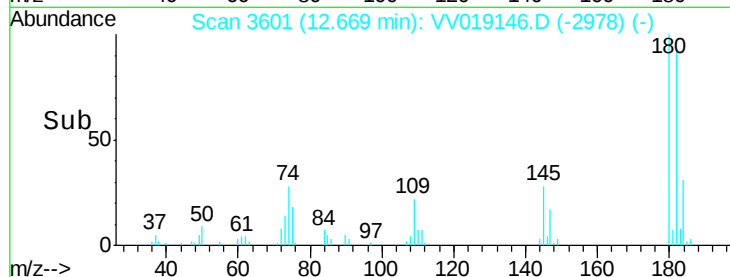
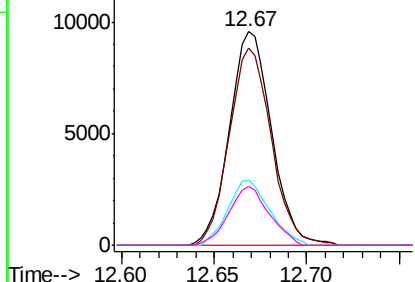
#67
 1,3,5-Trichlorobenzene
 Concen: 5.992 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019146.D
 Acq: 29 Oct 2020 14:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Tot Ion:180 Resp: 15042
 Ion Ratio Lower Upper
 180 100
 182 92.4 76.1 114.1
 184 30.3 24.5 36.7
 145 26.7 22.7 34.1

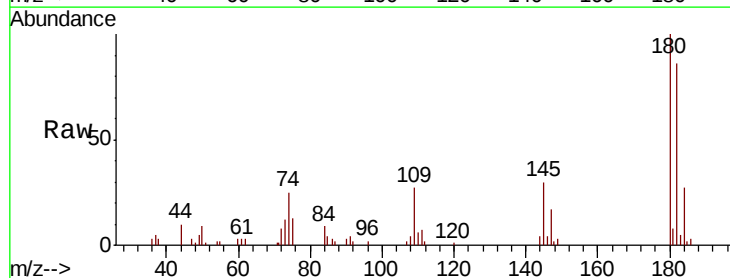


Abundance Ion 180.00 (179.70 to 180.70): V
 15000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

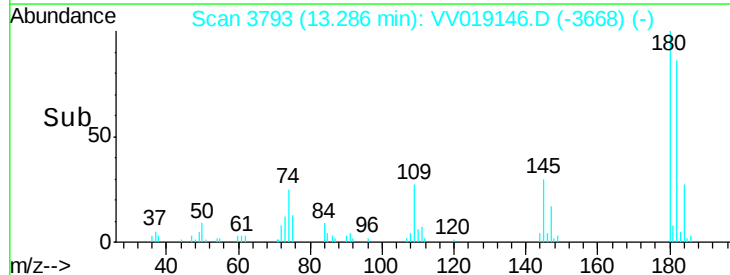
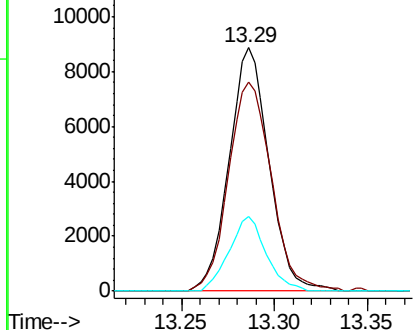


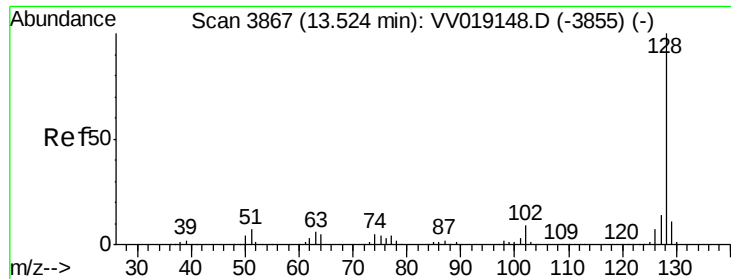
#68
 1,2,4-trichlorobenzene
 Concen: 5.596 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019146.D
 Acq: 29 Oct 2020 14:05

Tgt Ion:180 Resp: 13224
 Ion Ratio Lower Upper
 180 100
 182 92.4 75.8 113.6
 145 28.4 22.6 34.0



Abundance Ion 180.00 (179.70 to 180.70): V
 12000 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 4.491 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

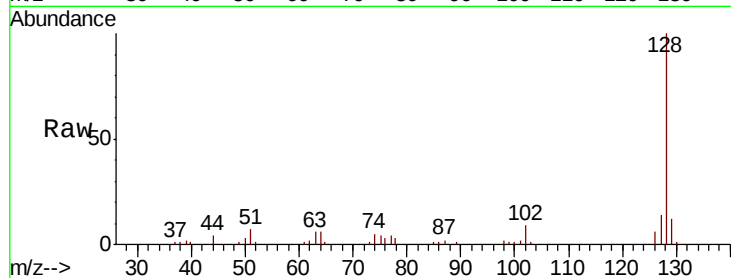
Tot Ion:128 Resp: 31909

Ion Ratio Lower Upper

128 100

127 13.9 10.8 16.2

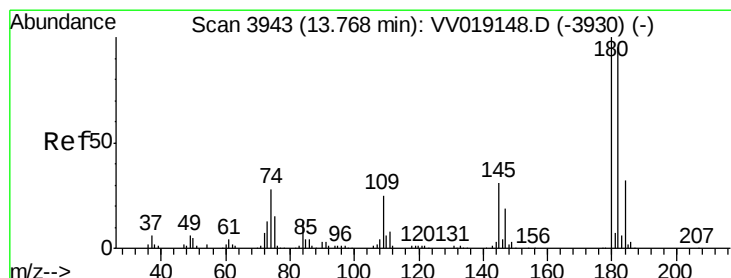
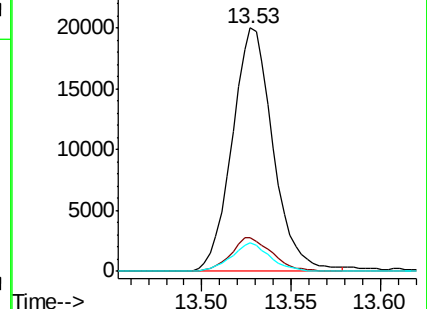
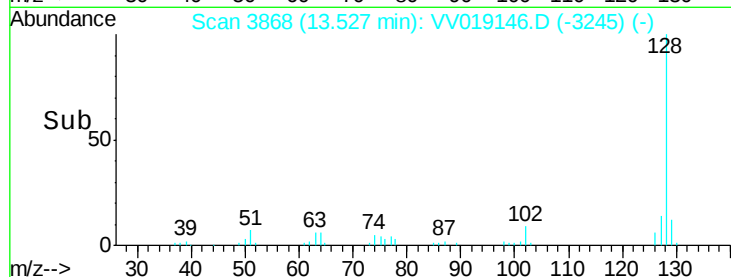
129 10.9 8.6 13.0



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: 5.376 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV019146.D

Acq: 29 Oct 2020 14:05

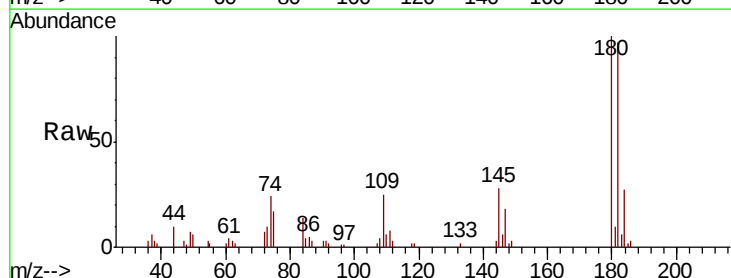
Tgt Ion:180 Resp: 12770

Ion Ratio Lower Upper

180 100

182 100.0 76.2 114.4

145 28.0 25.1 37.7



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

