

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121020\
 Data File : VV019536.D
 Acq On : 11 Dec 2020 01:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

Quant Time: Dec 11 02:41:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 02:38:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	648629	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	597543	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	284422	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	231322	49.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.46%
7) Chloroethane-d5	1.57	69	191478	52.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.11	63	429120	49.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.42%
21) 2-Butanone-d5	3.90	46	290395	114.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.87%
24) Chloroform-d	4.35	84	442348	52.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.54%
26) 1,2-Dichloroethane-d4	5.04	65	299060	54.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.18%
32) Benzene-d6	5.05	84	834432	52.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.72%
36) 1,2-Dichloropropane-d6	6.07	67	266551	53.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.78%
41) Toluene-d8	7.32	98	723266	50.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.82%
43) trans-1,3-Dichloropropene-	7.62	79	145715	51.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.64%
47) 2-Hexanone-d5	8.09	63	222609	113.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.61%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	367556	54.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.86%
64) 1,2-Dichlorobenzene-d4	11.63	152	274055	51.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	241995	46.230	ug/L 100
3) Chloromethane	1.24	50	286909	51.565	ug/L 100
5) Vinyl chloride	1.31	62	282480	50.615	ug/L 99
6) Bromomethane	1.52	94	175401	52.333	ug/L 99
8) Chloroethane	1.59	64	175895	52.251	ug/L 100
9) Trichlorofluoromethane	1.76	101	326764	47.922	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	166427	44.197	ug/L 99
12) 1,1-Dichloroethene	2.12	96	194736	50.396	ug/L # 83
13) Acetone	2.19	43	235906	109.535	ug/L 98
14) Carbon disulfide	2.30	76	607247	47.827	ug/L 100
15) Methyl Acetate	2.44	43	262816	56.010	ug/L 100
16) Methylene chloride	2.51	84	238610	52.667	ug/L 99
17) trans-1,2-Dichloroethene	2.76	96	217915	51.451	ug/L 100
18) Methyl tert-butyl Ether	2.77	73	796181	53.797	ug/L 99
19) 1,1-Dichloroethane	3.19	63	435666	53.058	ug/L 99
20) cis-1,2-Dichloroethene	3.92	96	242113	52.001	ug/L # 97
22) 2-Butanone	3.98	43	368220	116.556	ug/L 99

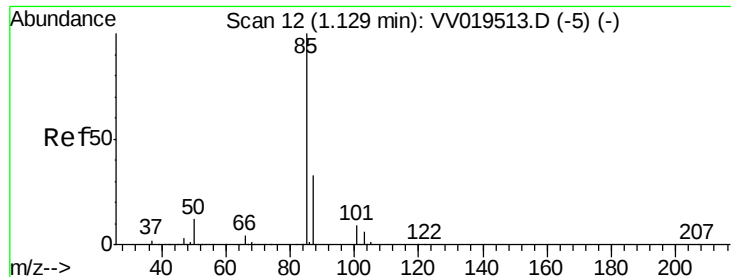
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121020\
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 02:38:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	120577	52.634	ug/L	98
25) Chloroform	4.38	83	432531	52.743	ug/L	99
27) 1,2-Dichloroethane	5.14	62	364653	53.674	ug/L	99
29) Cyclohexane	4.68	56	312956	42.733	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	379281	50.622	ug/L	100
31) Carbon tetrachloride	4.83	117	300239	47.469	ug/L	98
33) Benzene	5.10	78	915198	52.406	ug/L	100
34) Trichloroethene	5.92	95	231524	50.187	ug/L	98
35) Methylcyclohexane	6.14	83	287307	40.995	ug/L	99
37) 1,2-Dichloropropane	6.18	63	242878	53.256	ug/L	99
38) Bromodichloromethane	6.51	83	333814	52.344	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	402102	53.086	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	743290	112.968	ug/L	99
42) Toluene	7.39	91	931960	50.634	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	394846	51.482	ug/L	100
45) 1,1,2-Trichloroethane	7.84	97	229421	52.973	ug/L	99
46) Tetrachloroethene	7.98	164	144258	45.192	ug/L	97
48) 2-Hexanone	8.14	43	563801	112.929	ug/L	99
49) Dibromochloromethane	8.25	129	246782	52.032	ug/L	99
50) 1,2-Dibromoethane	8.36	107	245719	53.878	ug/L	98
51) Chlorobenzene	8.88	112	599721	51.016	ug/L	99
52) Ethylbenzene	9.02	91	1019782	48.629	ug/L	99
53) m,p-Xylene	9.14	106	377400	48.171	ug/L	99
54) o-xylene	9.55	106	381064	49.623	ug/L	99
55) Styrene	9.56	104	678795	50.717	ug/L	99
56) Isopropylbenzene	9.94	105	965846	47.211	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	377473	54.198	ug/L	98
59) 1,2,3-Trichloropropane	10.28	75	311618	54.933	ug/L	100
61) Bromoform	9.74	173	167811	53.322	ug/L	100
62) 1,3-Dichlorobenzene	11.18	146	437749	50.164	ug/L	98
63) 1,4-Dichlorobenzene	11.28	146	440929	49.899	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	450006	52.188	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	98732	54.853	ug/L	92
67) 1,3,5-Trichlorobenzene	12.65	180	299131	48.518	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	286212	49.649	ug/L	99
69) Naphthalene	13.50	128	1107924	55.350	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	288681	51.244	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 46.230 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

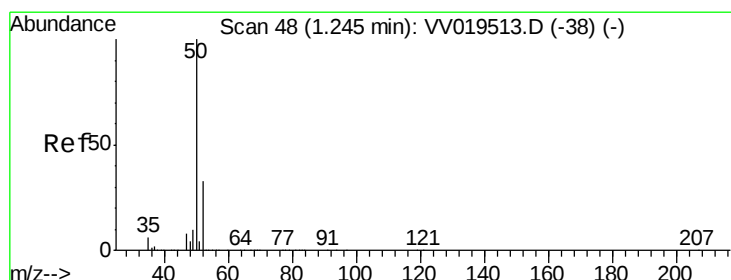
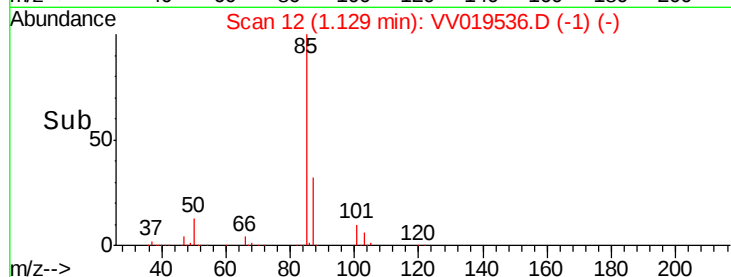
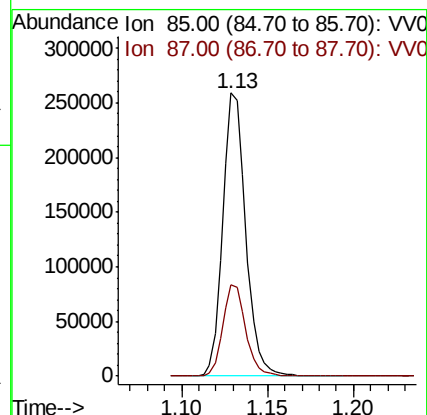
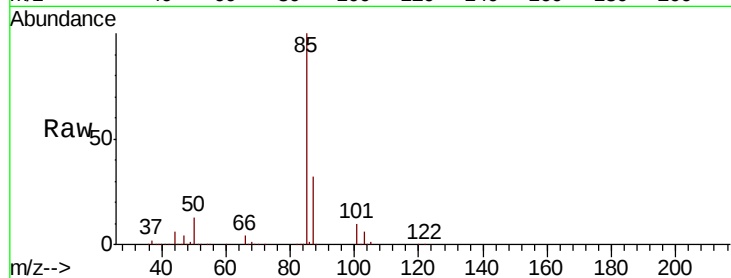
VSTD05082

Tot Ion: 85 Resp: 241995

Ion Ratio Lower Upper

85 100

87 32.1 25.7 38.5



#3

Chloromethane

Concen: 51.565 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019536.D

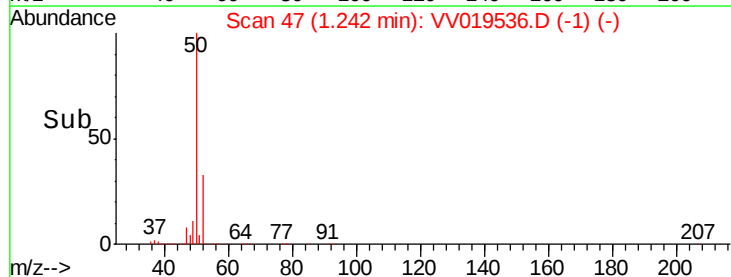
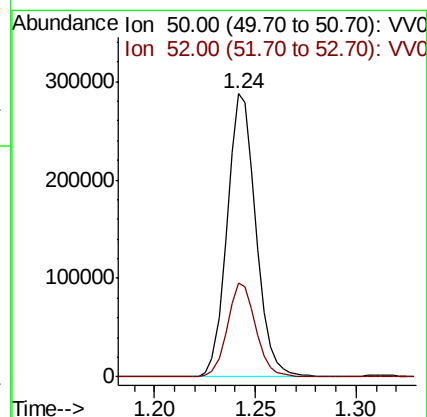
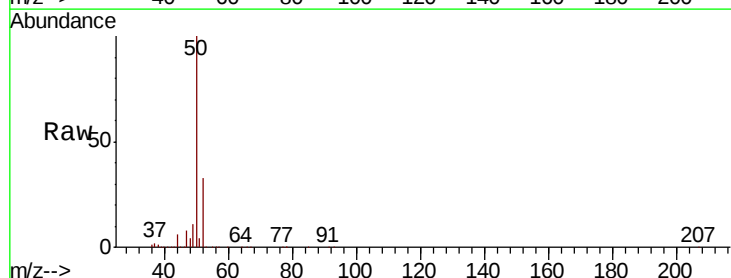
Acq: 11 Dec 2020 01:51

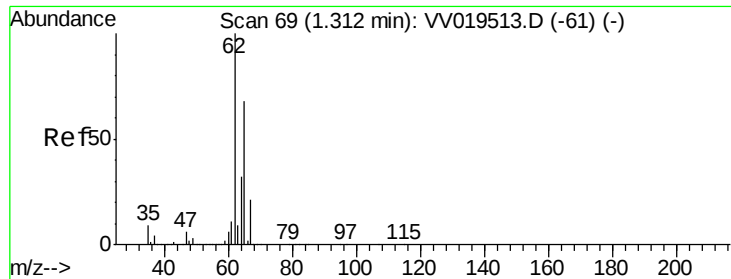
Tgt Ion: 50 Resp: 286909

Ion Ratio Lower Upper

50 100

52 33.0 23.2 43.0





#5

Vinyl chloride

Concen: 50.615 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

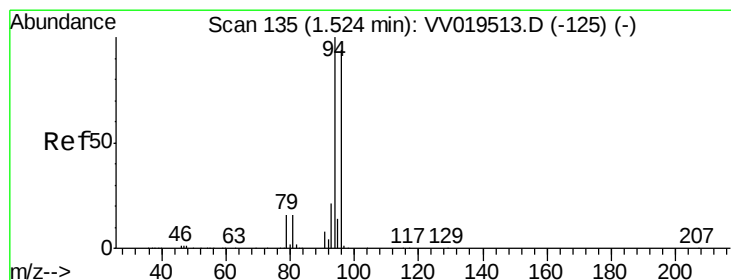
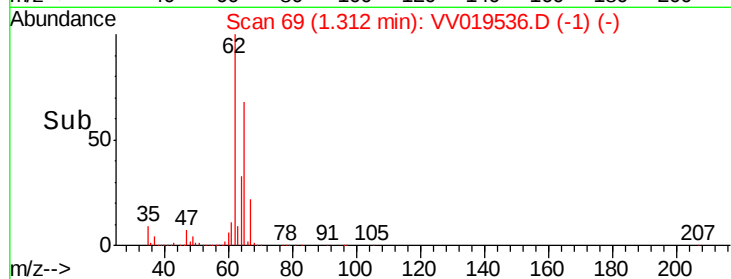
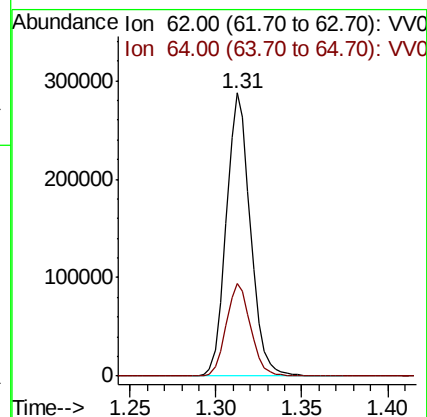
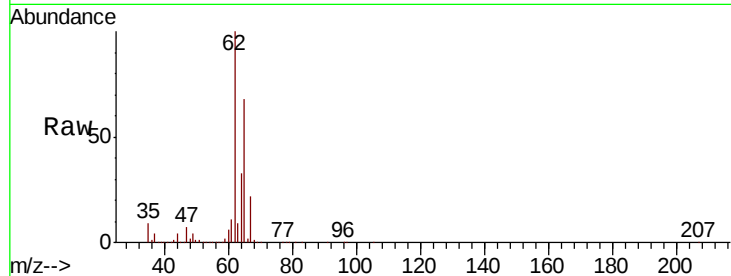
VSTD05082

Tot Ion: 62 Resp: 282480

Ion Ratio Lower Upper

62 100

64 32.7 22.5 41.7



#6

Bromomethane

Concen: 52.333 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019536.D

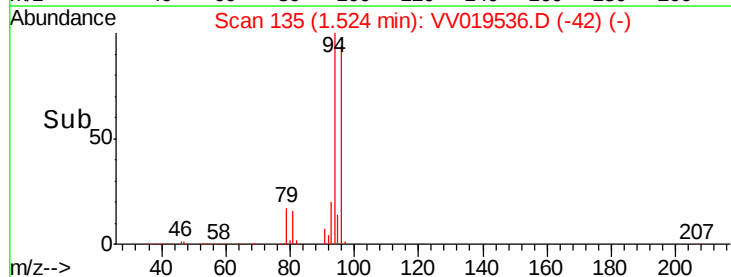
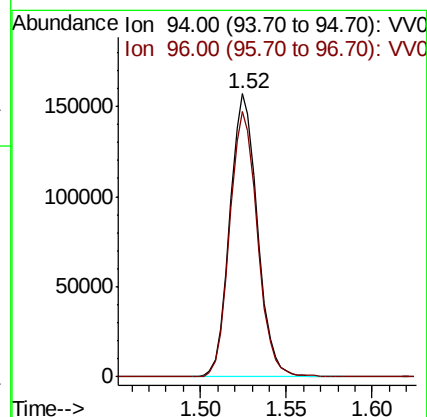
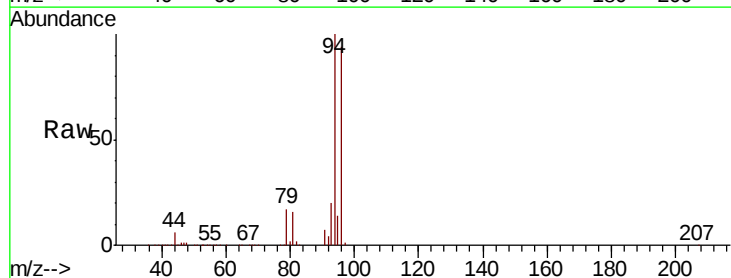
Acq: 11 Dec 2020 01:51

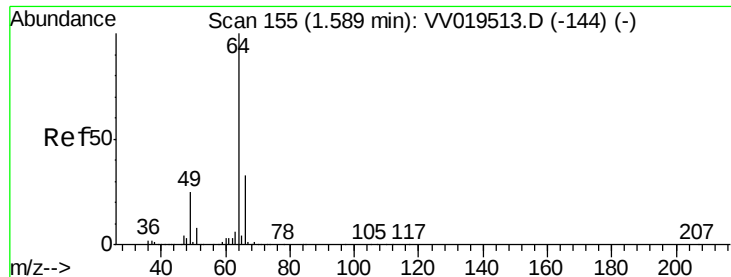
Tgt Ion: 94 Resp: 175401

Ion Ratio Lower Upper

94 100

96 93.8 65.2 121.2





#8

Chloroethane

Concen: 52.251 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

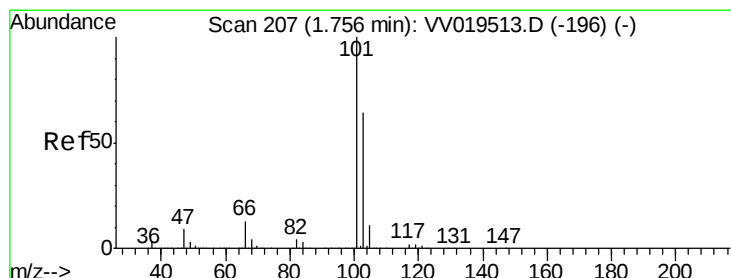
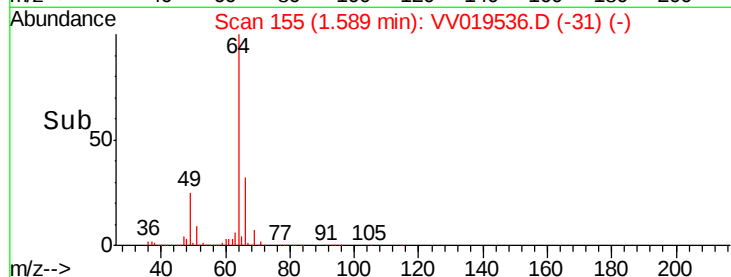
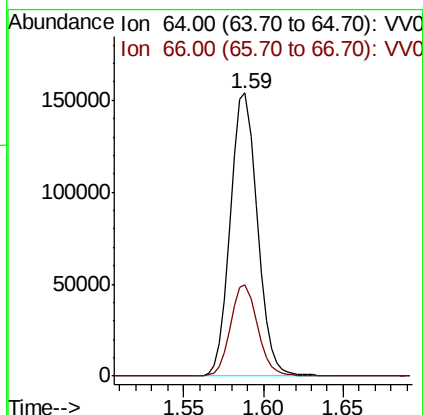
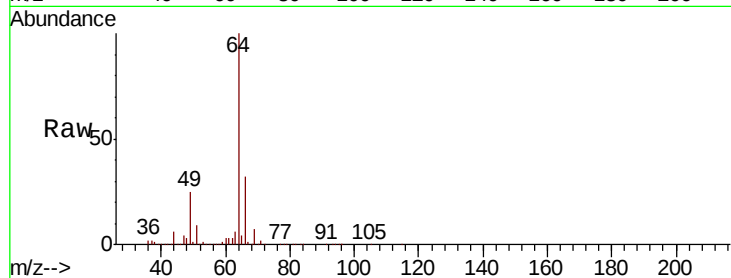
VSTD05082

Tot Ion: 64 Resp: 175895

Ion Ratio Lower Upper

64 100

66 32.1 22.5 41.7



#9

Trichlorofluoromethane

Concen: 47.922 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV019536.D

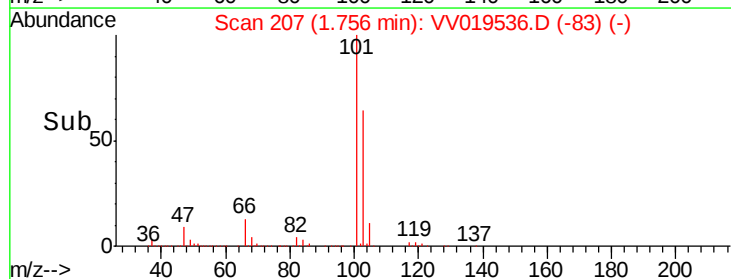
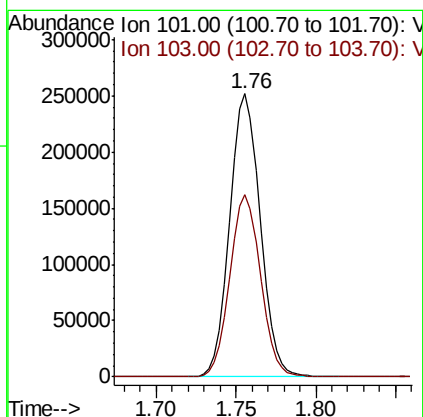
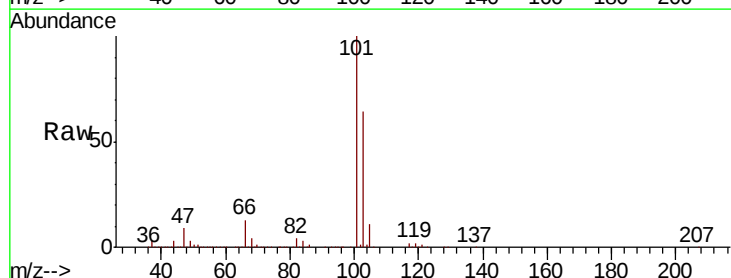
Acq: 11 Dec 2020 01:51

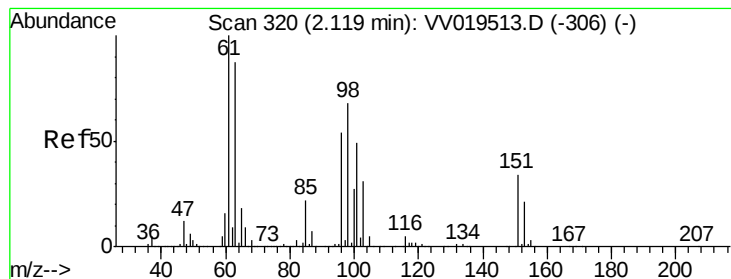
Tgt Ion: 101 Resp: 326764

Ion Ratio Lower Upper

101 100

103 64.6 51.6 77.4





#10

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

Concen: 44.197 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

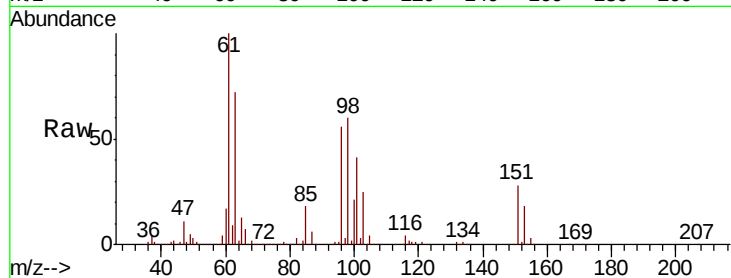
Tot Ion:101 Resp: 166427

Ion Ratio Lower Upper

101 100

85 44.4 35.0 52.4

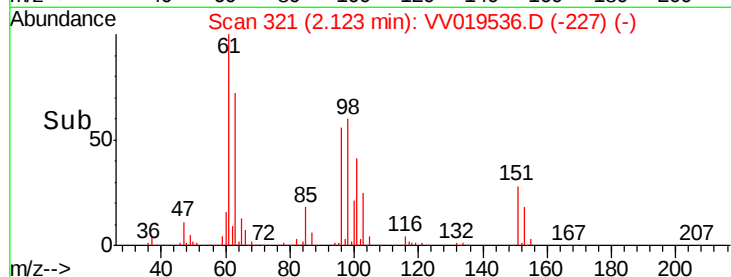
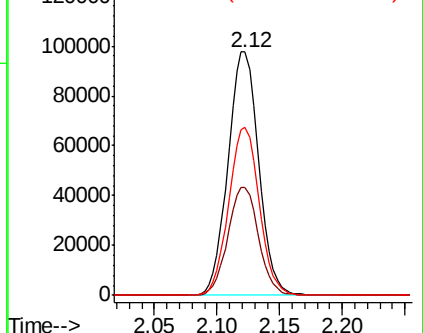
151 68.6 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019536.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019536.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019536.D (-227) (-)



#12

1,1-Dichloroethene

Concen: 50.396 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

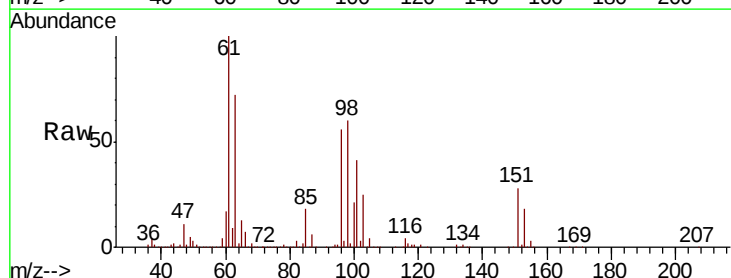
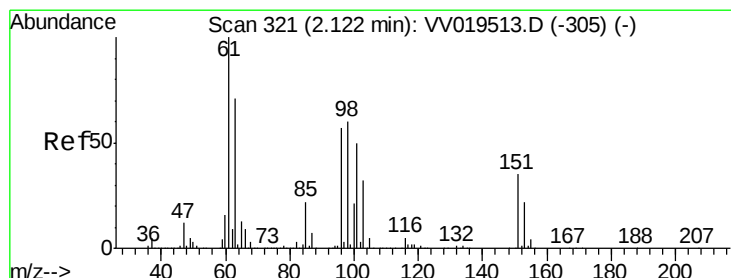
Tgt Ion: 96 Resp: 194736

Ion Ratio Lower Upper

96 100

61 178.7 120.7 224.1

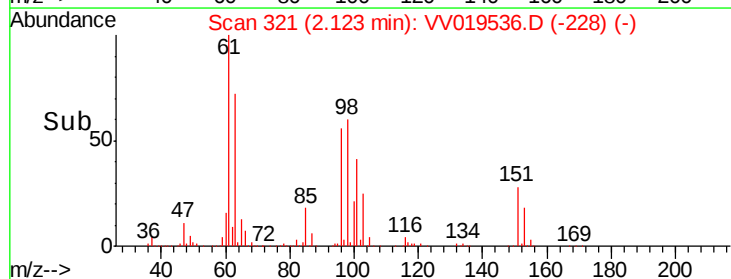
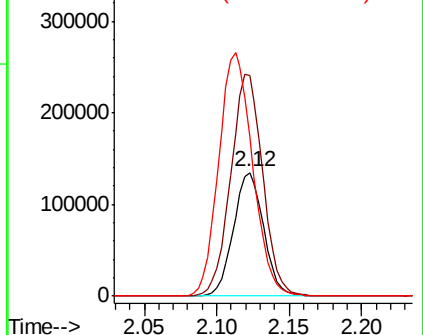
63 129.3 64.3 119.5#

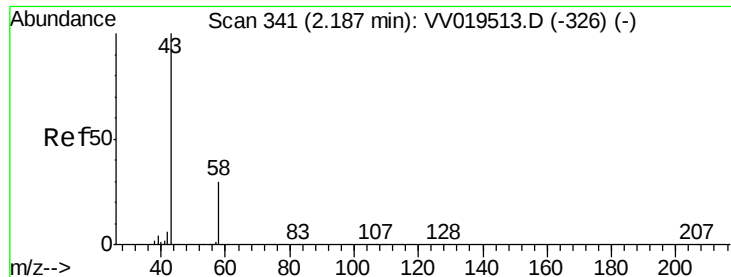


Abundance Ion 96.00 (95.70 to 96.70): VV019536.D (-228) (-)

Ion 61.00 (60.70 to 61.70): VV019536.D (-228) (-)

Ion 63.00 (62.70 to 63.70): VV019536.D (-228) (-)





#13

Acetone

Concen: 109.535 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

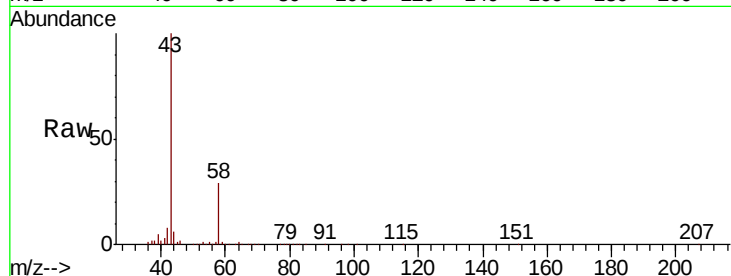
VSTD05082

Tot Ion: 43 Resp: 235906

Ion Ratio Lower Upper

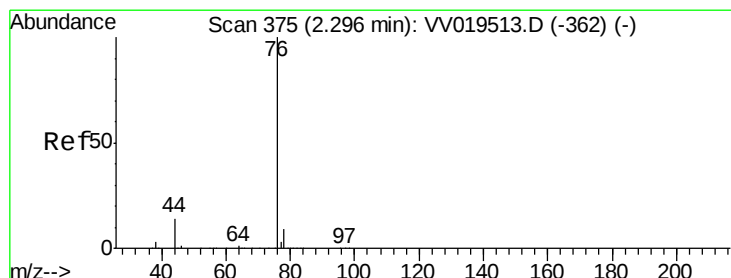
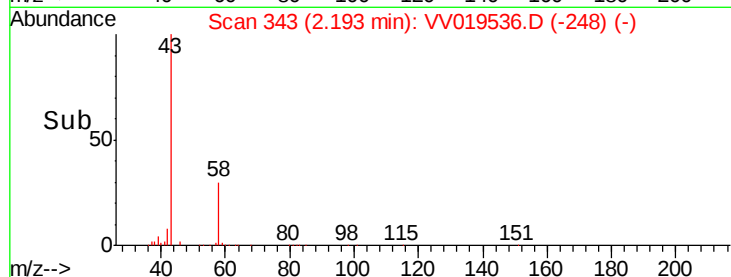
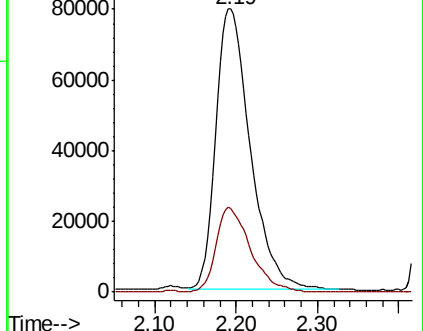
43 100

58 29.6 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV019513.D (-326) (-)

Ion 58.00 (57.70 to 58.70): VV019513.D (-326) (-)



#14

Carbon disulfide

Concen: 47.827 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019536.D

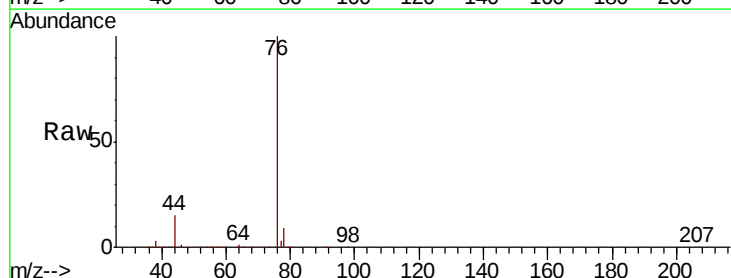
Acq: 11 Dec 2020 01:51

Tgt Ion: 76 Resp: 607247

Ion Ratio Lower Upper

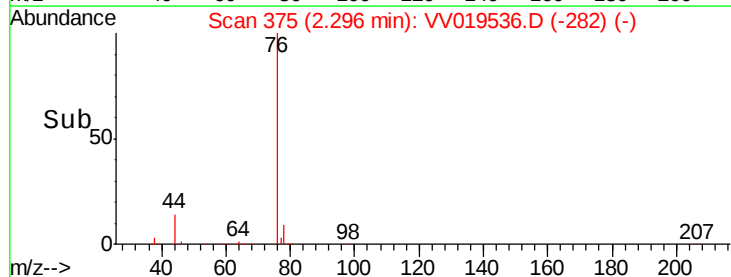
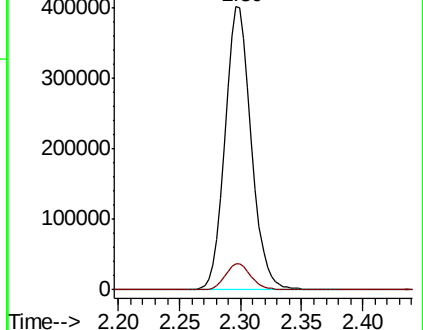
76 100

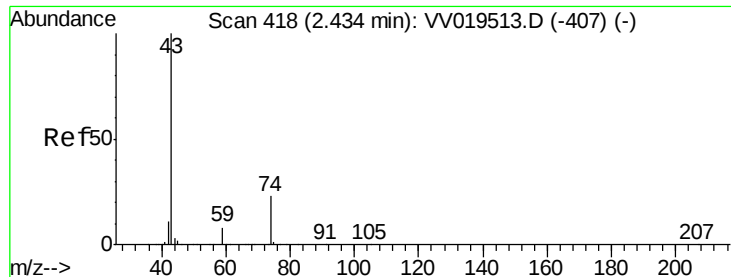
78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV019513.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VV019513.D (-362) (-)

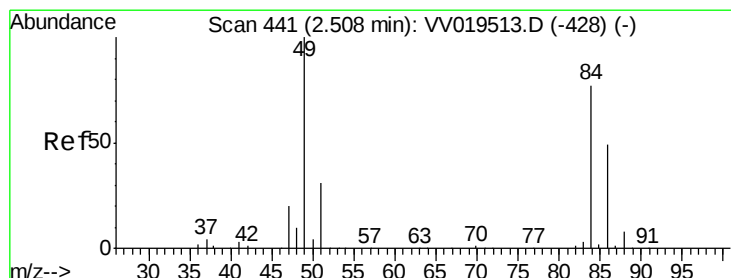
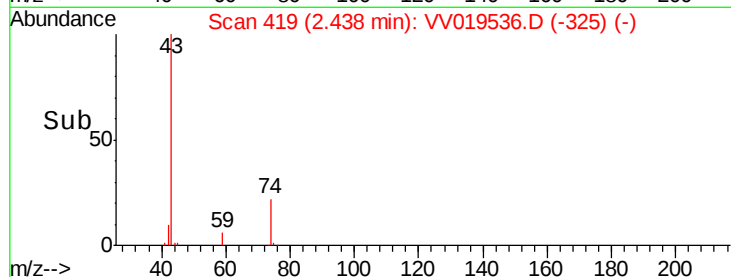
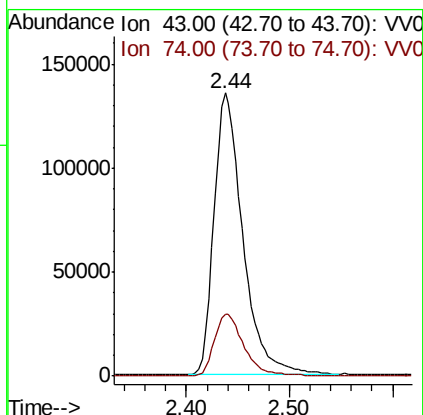
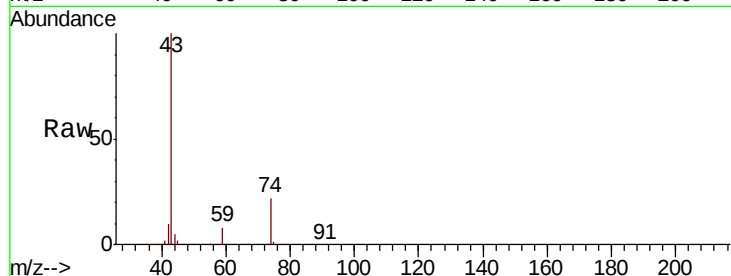




#15
Methvl Acetate
Concen: 56.010 ug/L
RT: 2.44 min Scan# 419
Delta R.T. 0.00 min
Lab File: VV019536.D
Acq: 11 Dec 2020 01:51

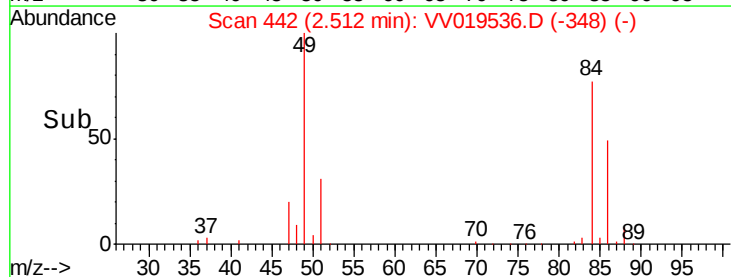
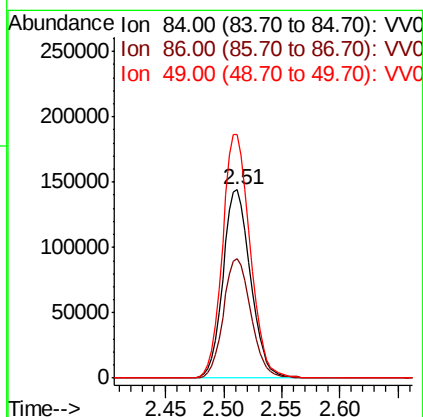
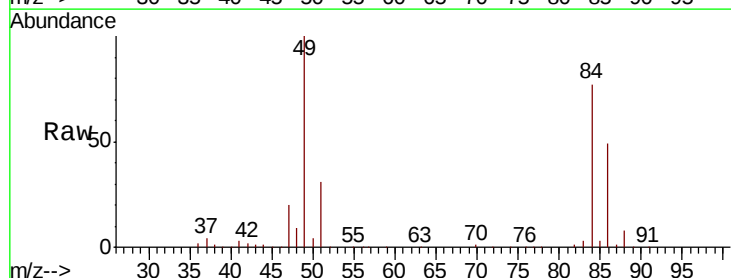
Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

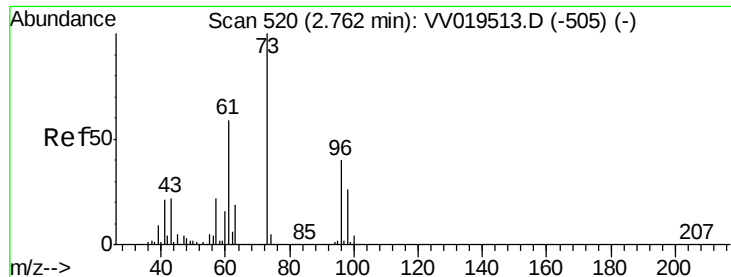
Tot Ion: 43 Resp: 262816
Ion Ratio Lower Upper
43 100
74 22.8 18.2 27.4



#16
Methylene chloride
Concen: 52.667 ug/L
RT: 2.51 min Scan# 442
Delta R.T. 0.00 min
Lab File: VV019536.D
Acq: 11 Dec 2020 01:51

Tgt Ion: 84 Resp: 238610
Ion Ratio Lower Upper
84 100
86 63.7 45.7 84.9
49 129.3 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 51.451 ug/L

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

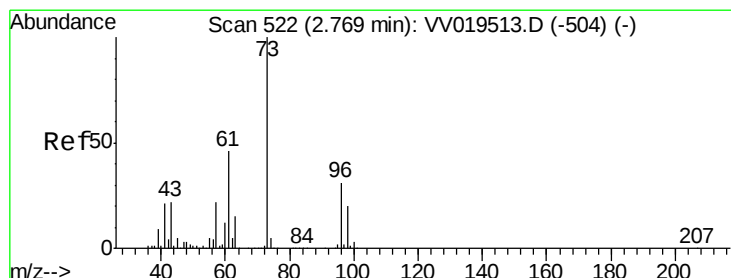
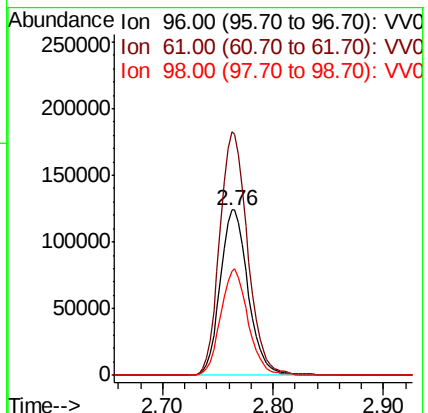
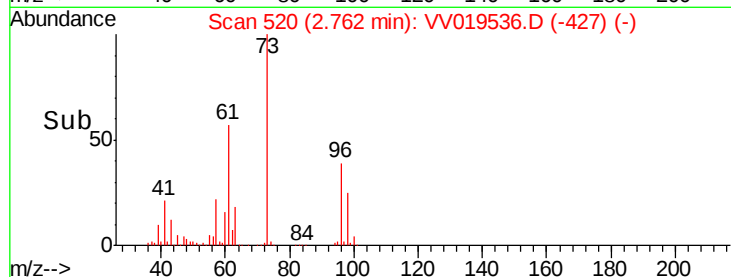
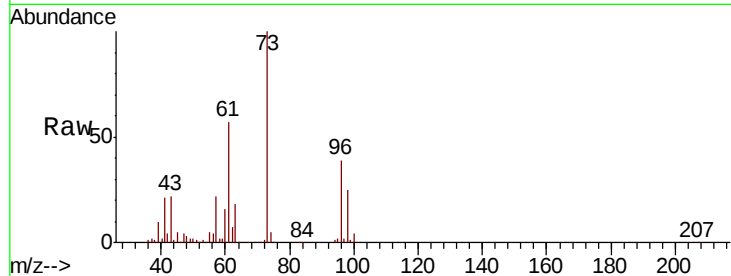
Tot Ion: 96 Resp: 217915

Ion Ratio Lower Upper

96 100

61 147.1 103.5 192.1

98 63.2 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 53.797 ug/L

RT: 2.77 min Scan# 522

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

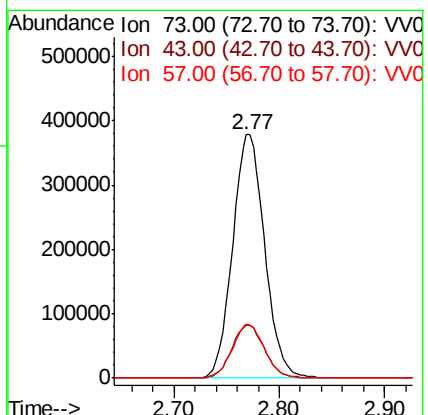
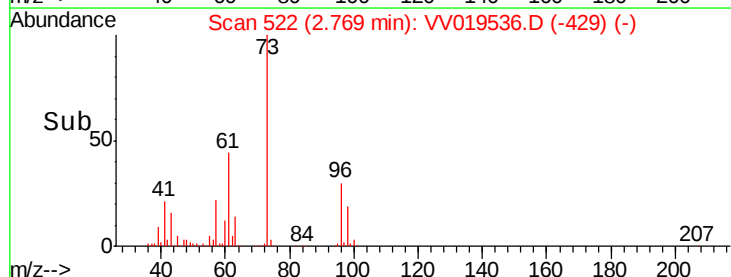
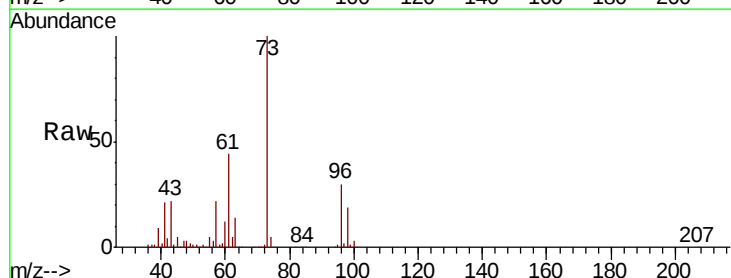
Tgt Ion: 73 Resp: 796181

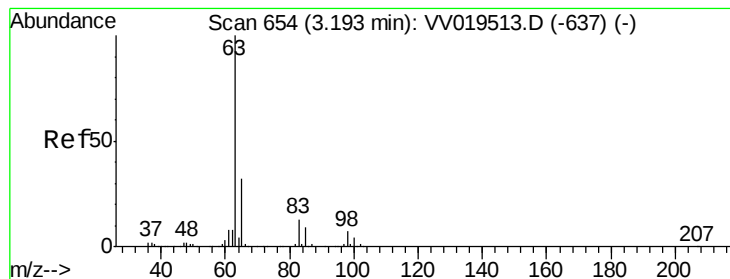
Ion Ratio Lower Upper

73 100

43 21.9 17.3 25.9

57 22.1 17.5 26.3





#19

1,1-Dichloroethane

Concen: 53.058 ug/L

RT: 3.19 min Scan# 654

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

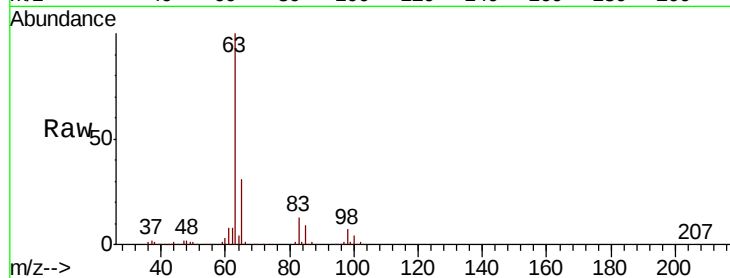
Tot Ion: 63 Resp: 435666

Ion Ratio Lower Upper

63 100

65 31.2 22.4 41.6

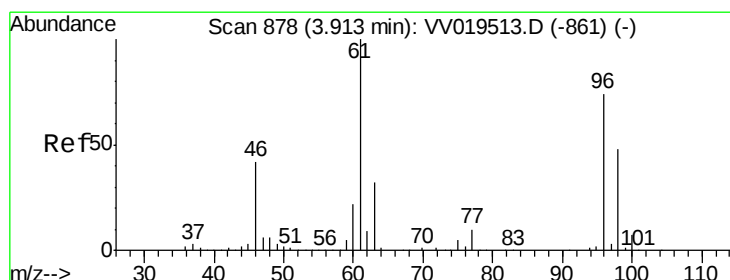
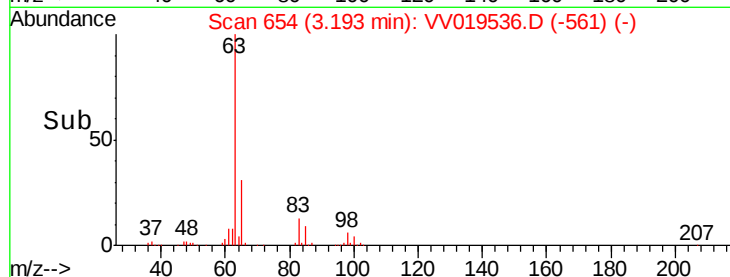
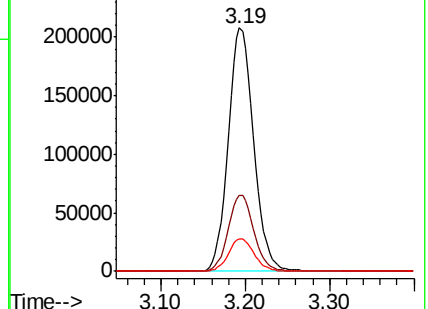
83 13.3 9.6 17.8



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: 52.001 ug/L

RT: 3.92 min Scan# 879

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

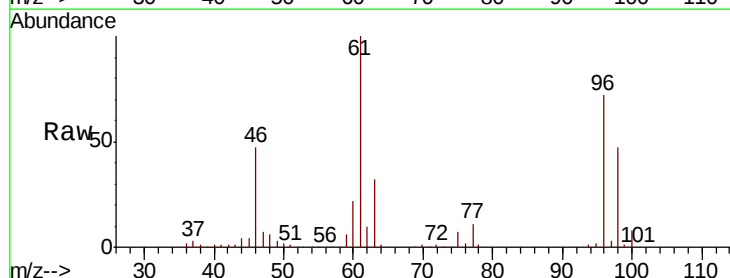
Tgt Ion: 96 Resp: 242113

Ion Ratio Lower Upper

96 100

61 138.2 94.1 174.8

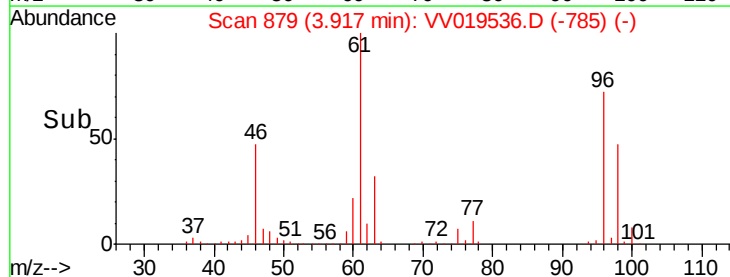
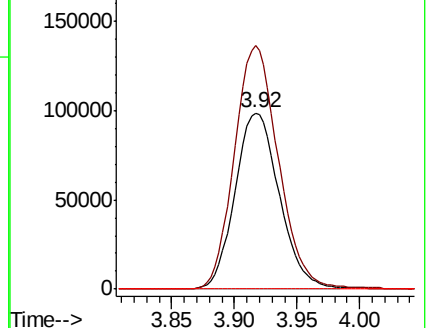
68 0.0 0.1 0.1#

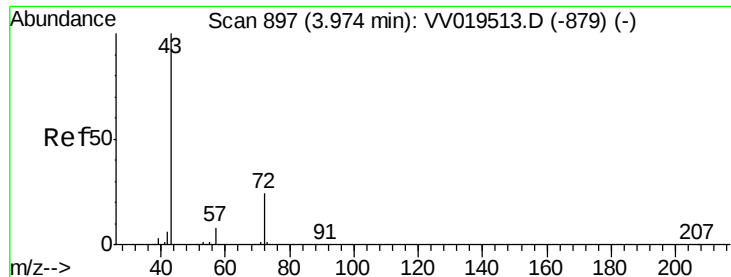


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

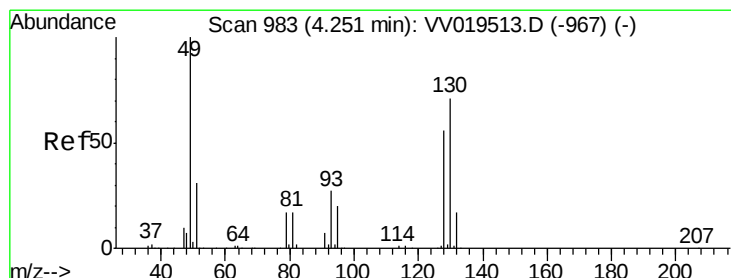
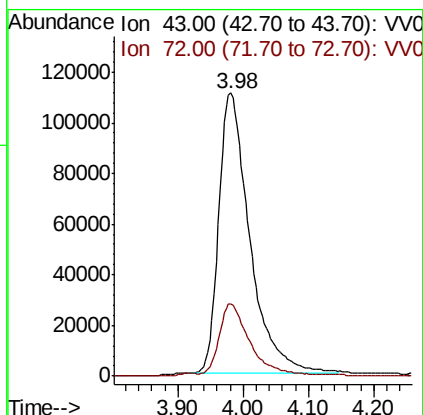
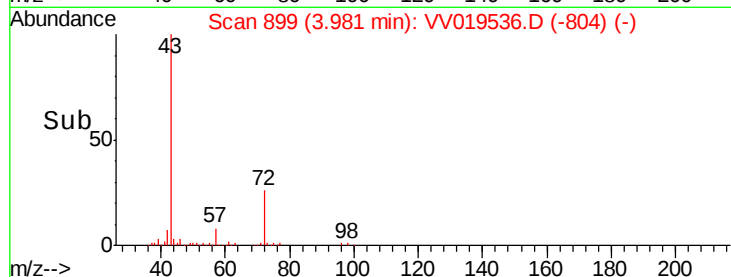
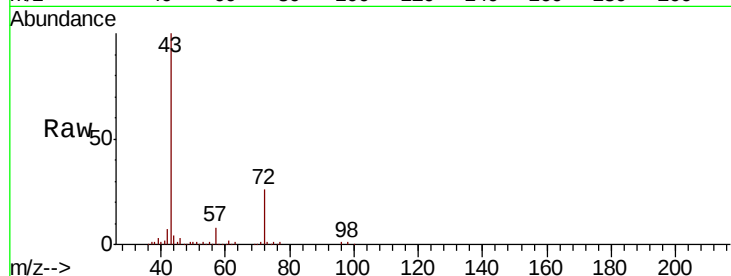




#22
2-Butanone
Concen: 116.556 ug/L
RT: 3.98 min Scan# 899
Delta R.T. 0.01 min
Lab File: VV019536.D
Acq: 11 Dec 2020 01:51

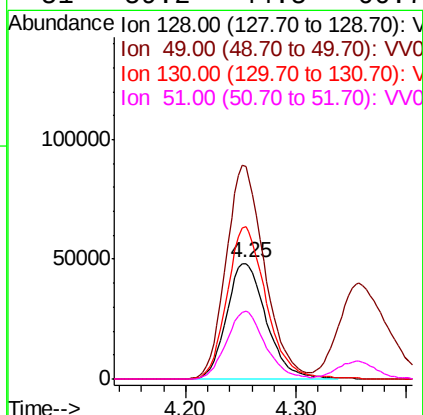
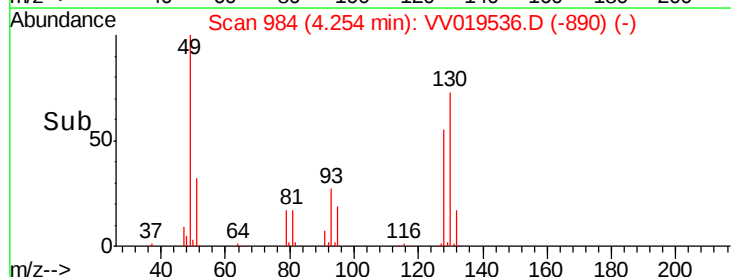
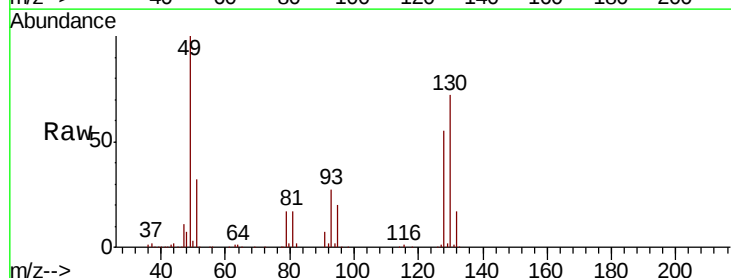
Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

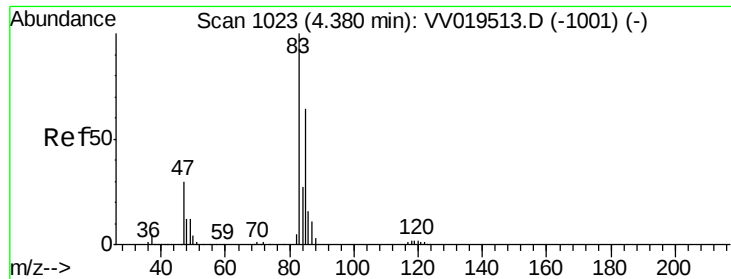
Tot Ion: 43 Resp: 368220
Ion Ratio Lower Upper
43 100
72 23.9 12.3 36.9



#23
Bromochloromethane
Concen: 52.634 ug/L
RT: 4.25 min Scan# 984
Delta R.T. 0.00 min
Lab File: VV019536.D
Acq: 11 Dec 2020 01:51

Tgt Ion: 128 Resp: 120577
Ion Ratio Lower Upper
128 100
49 183.2 127.0 235.8
130 132.0 90.3 167.7
51 59.2 44.5 66.7

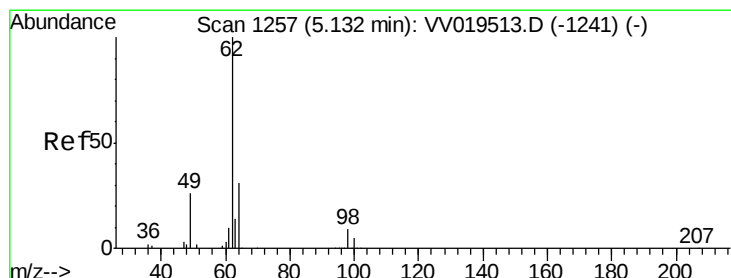
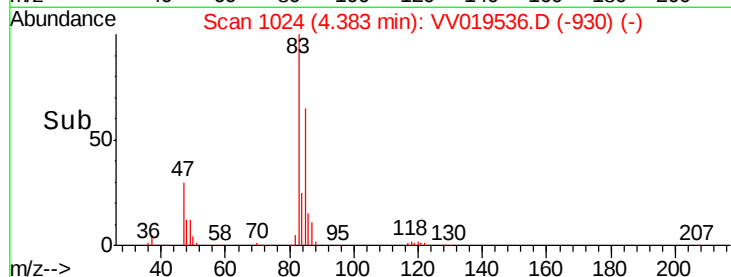
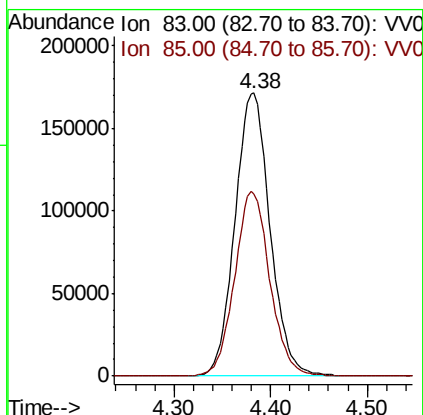
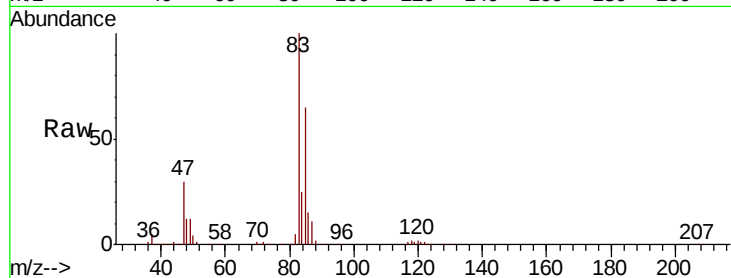




#25
Chloroform
Concen: 52.743 ug/L
RT: 4.38 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VV019536.D
Acq: 11 Dec 2020 01:51

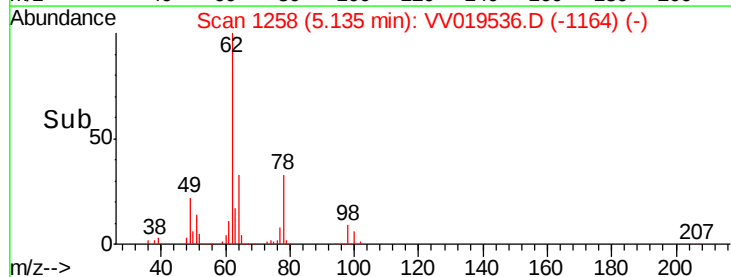
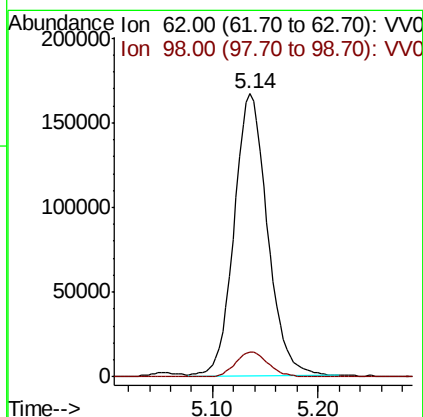
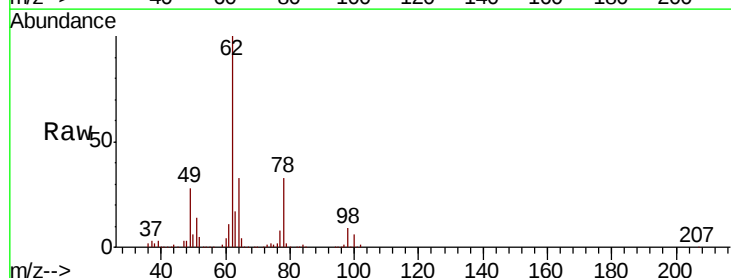
Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

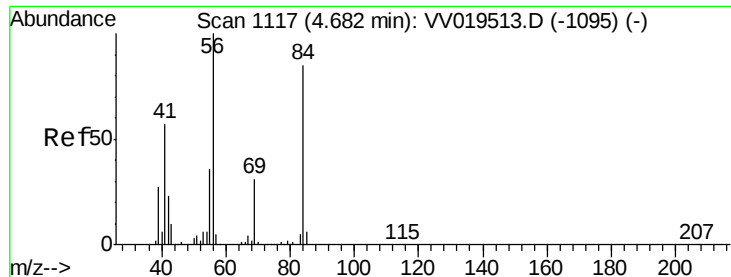
Tot Ion: 83 Resp: 432531
Ion Ratio Lower Upper
83 100
85 64.6 45.6 84.6



#27
1,2-Dichloroethane
Concen: 53.674 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VV019536.D
Acq: 11 Dec 2020 01:51

Tgt Ion: 62 Resp: 364653
Ion Ratio Lower Upper
62 100
98 8.7 7.4 11.0

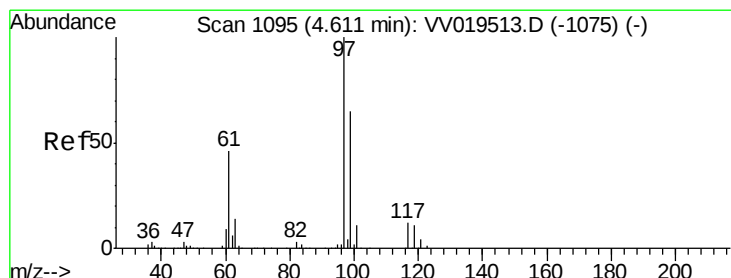
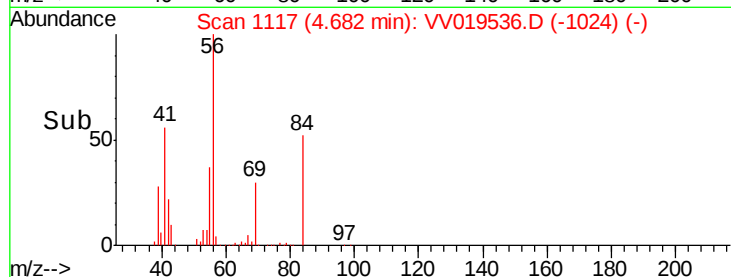
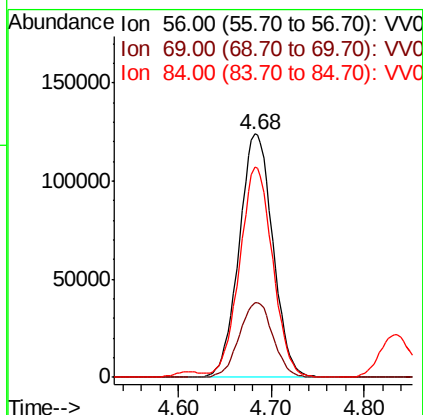
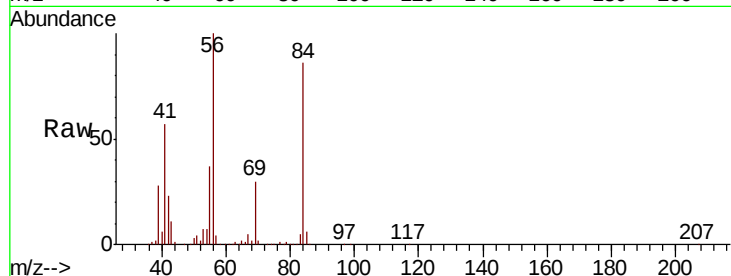




#29
Cvclohexane
Concen: 42.733 ug/L
RT: 4.68 min Scan# 1117
Delta R.T. 0.00 min
Lab File: VV019536.D
Acq: 11 Dec 2020 01:51

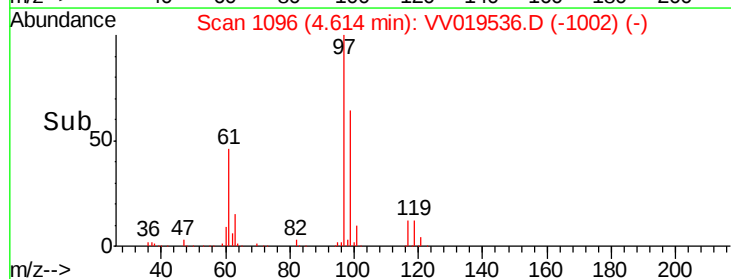
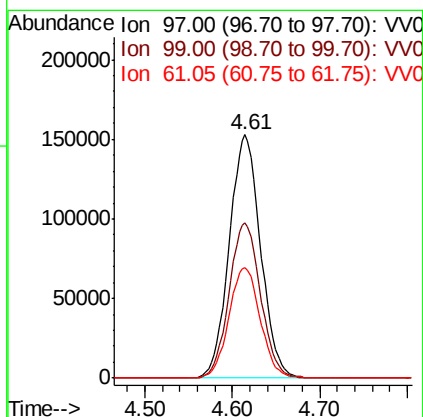
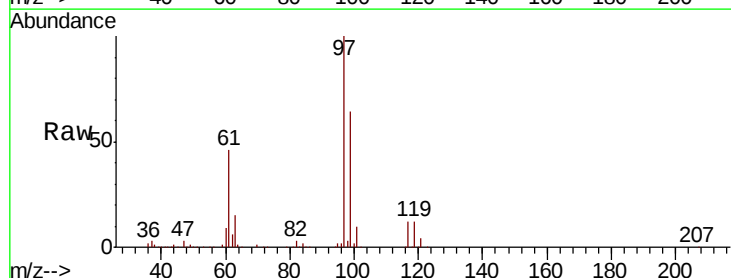
Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

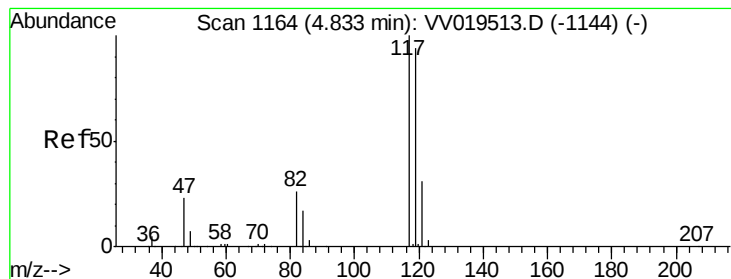
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.6	37.0
84	84.6	68.2	102.4



#30
1,1,1-Trichloroethane
Concen: 50.622 ug/L
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VV019536.D
Acq: 11 Dec 2020 01:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.3	76.9
61	45.7	36.3	54.5





#31

Carbon tetrachloride

Concen: 47.469 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

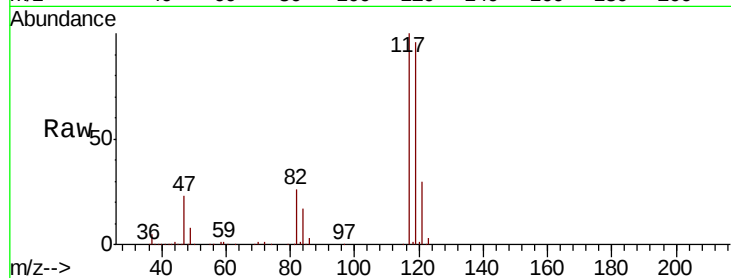
VSTD05082

Tot Ion:117 Resp: 300239

Ion Ratio Lower Upper

117 100

119 96.7 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

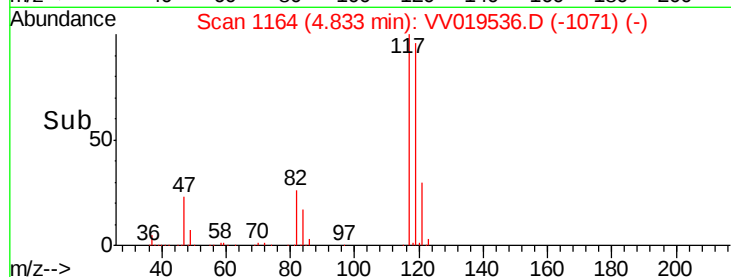
100000

50000

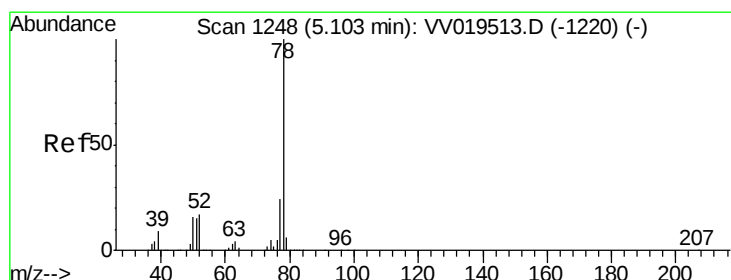
0

4.83

4.70 4.80 4.90



Time-->



#33

Benzene

Concen: 52.406 ug/L

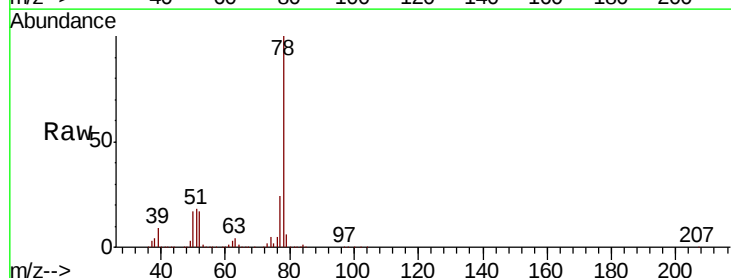
RT: 5.10 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Tgt Ion: 78 Resp: 915198



Abundance Ion 78.00 (77.70 to 78.70): VV0

400000

300000

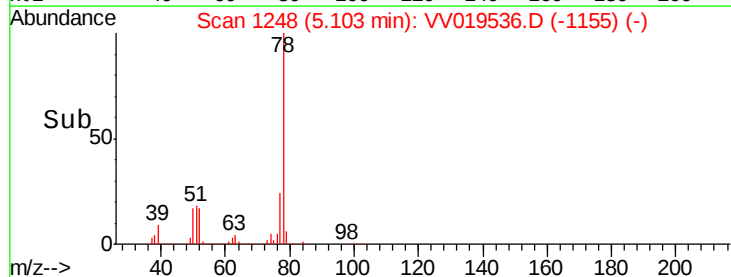
200000

100000

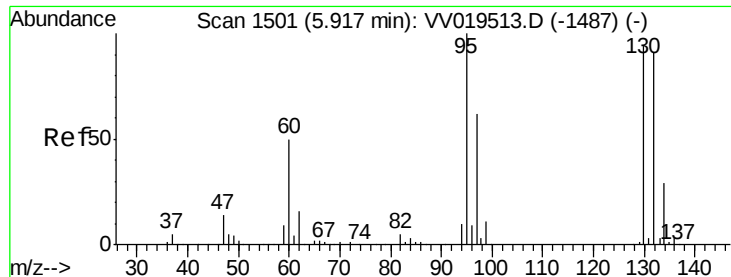
0

5.10

5.00 5.10 5.20



Time-->



#34

Trichloroethene

Concen: 50.187 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

Tot Ion: 95 Resp: 231524

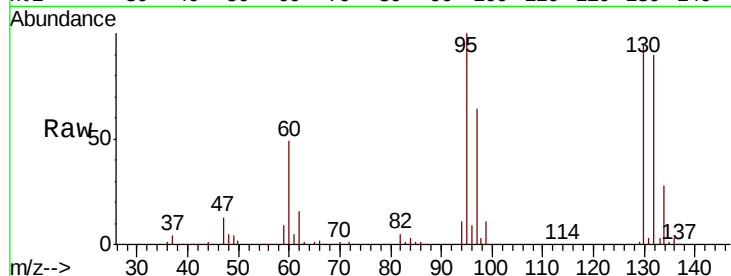
Ion Ratio Lower Upper

95 100

97 64.2 44.4 82.4

132 89.8 64.3 119.3

130 95.0 67.8 125.8

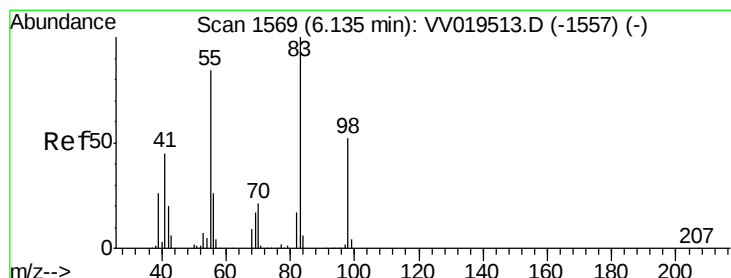
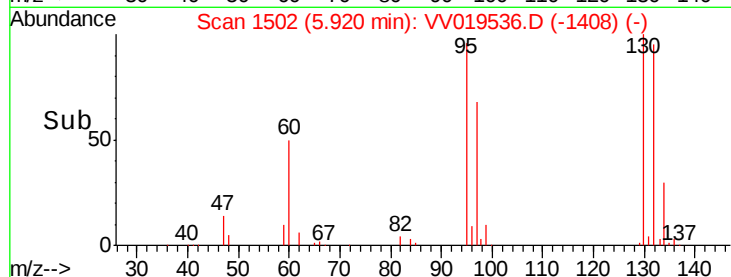
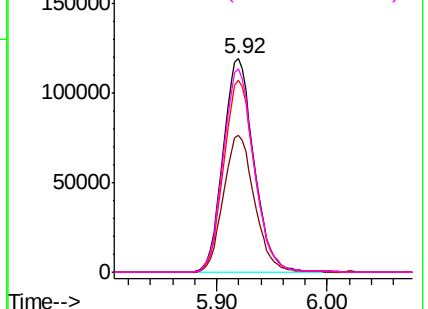


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 40.995 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

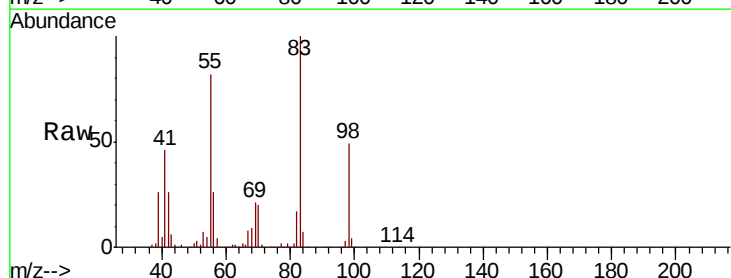
Tgt Ion: 83 Resp: 287307

Ion Ratio Lower Upper

83 100

55 81.0 64.2 96.4

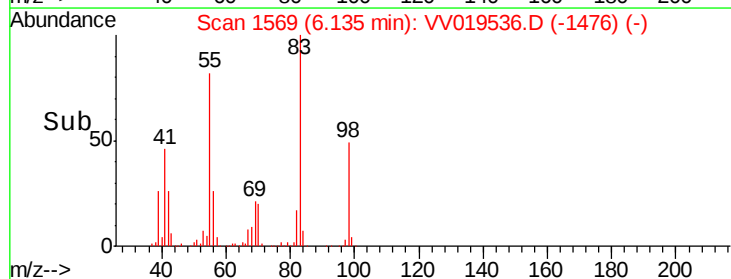
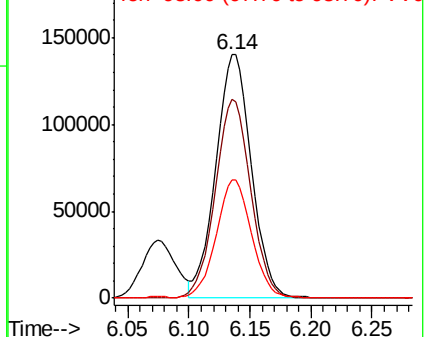
98 48.2 39.3 58.9

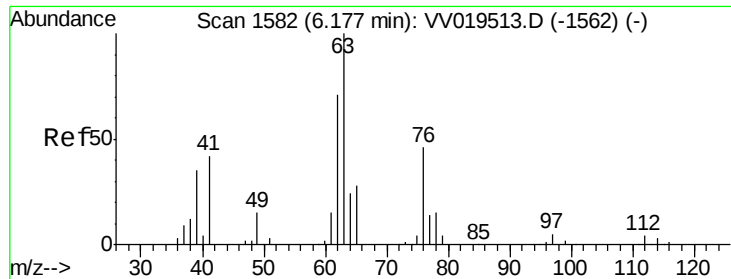


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

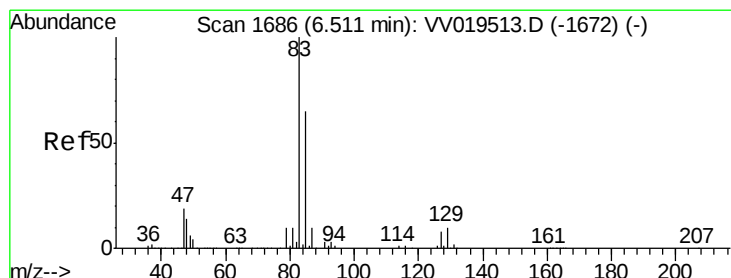
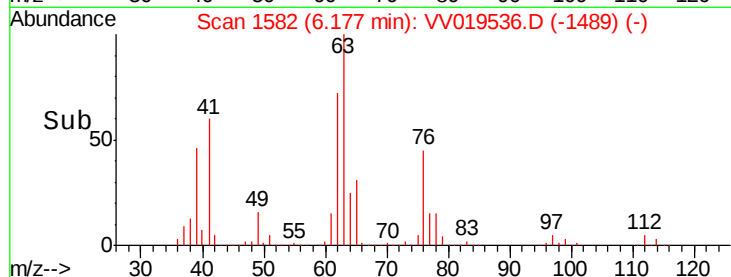
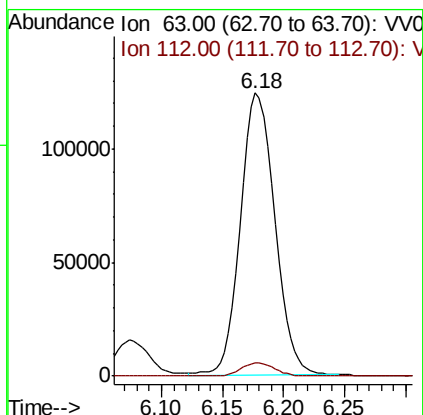
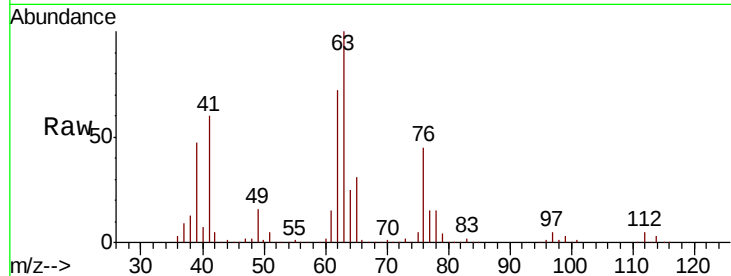




#37
 1,2-Dichloropropane
 Concen: 53.256 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV019536.D
 Acq: 11 Dec 2020 01:51

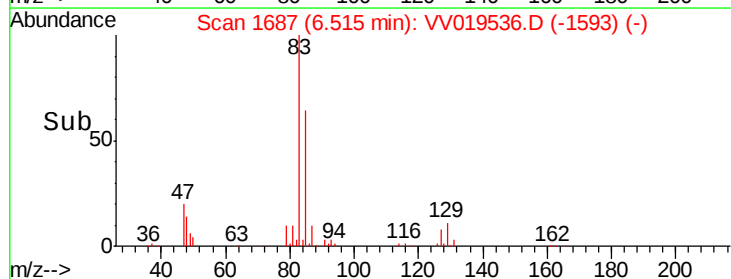
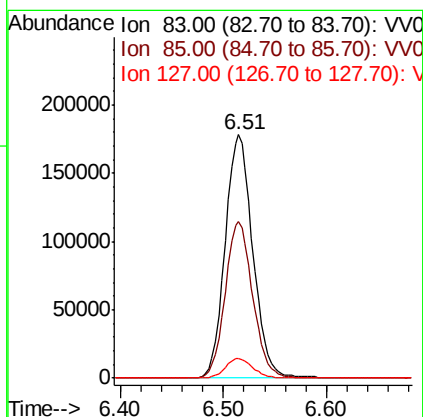
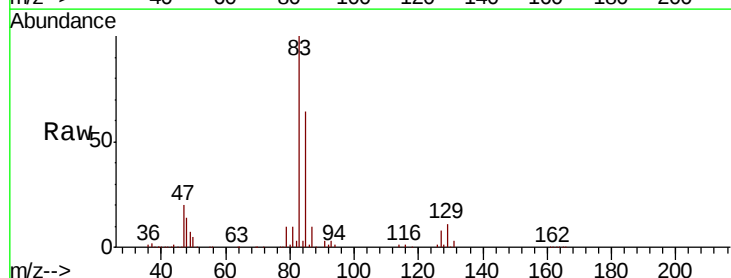
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05082

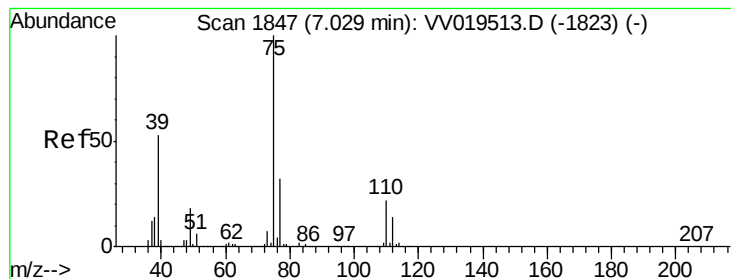
Tot Ion: 63 Resp: 242878
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.5 5.3



#38
 Bromodichloromethane
 Concen: 52.344 ug/L
 RT: 6.51 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VV019536.D
 Acq: 11 Dec 2020 01:51

Tgt Ion: 83 Resp: 333814
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.9 83.5
 127 8.0 6.7 10.1



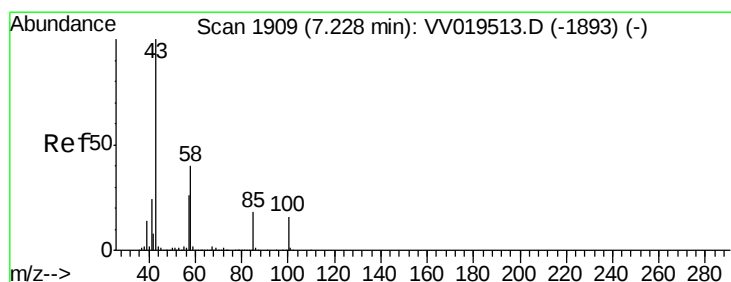
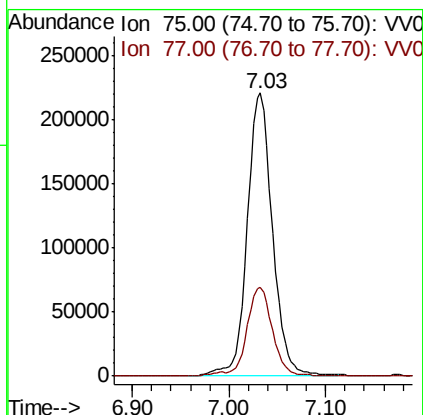
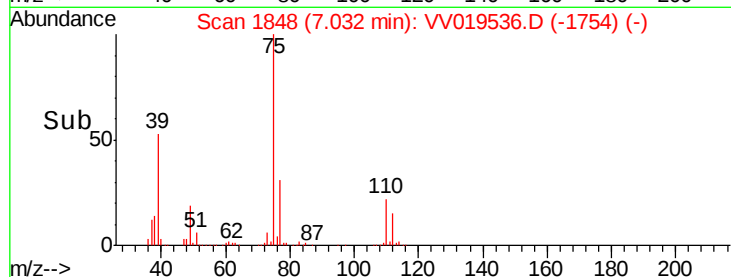
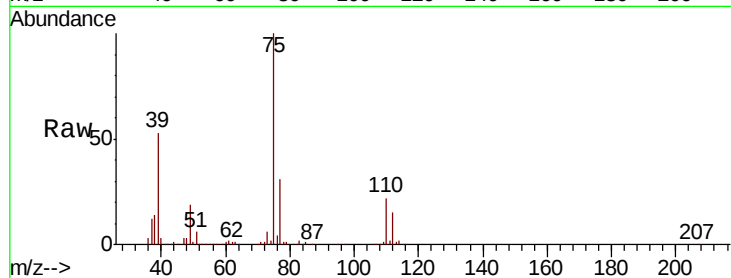


#39

cis-1,3-Dichloropropene
 Concen: 53.086 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: VV019536.D
 Acq: 11 Dec 2020 01:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

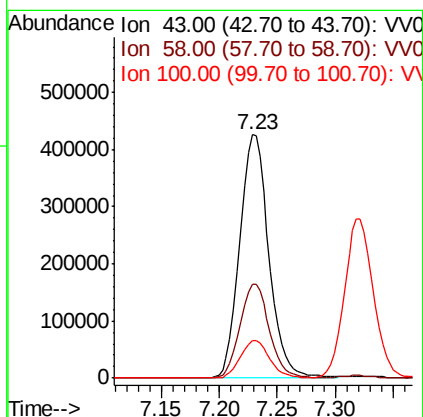
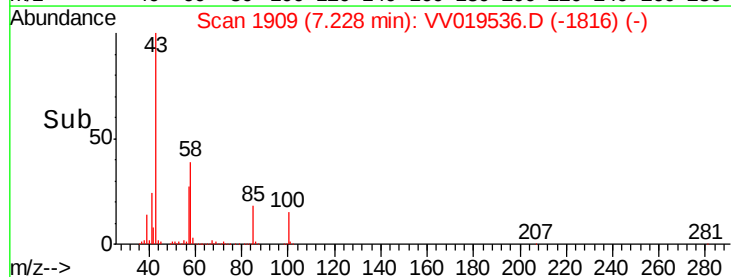
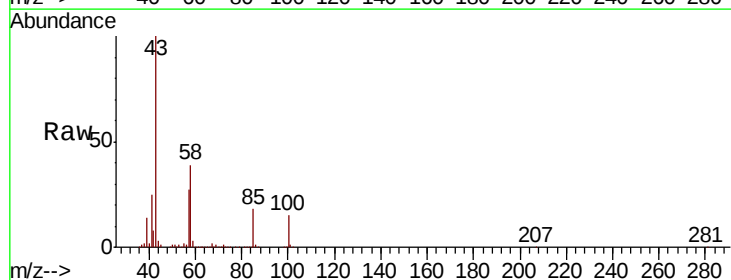
Tot Ion: 75 Resp: 402102
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.4 41.6

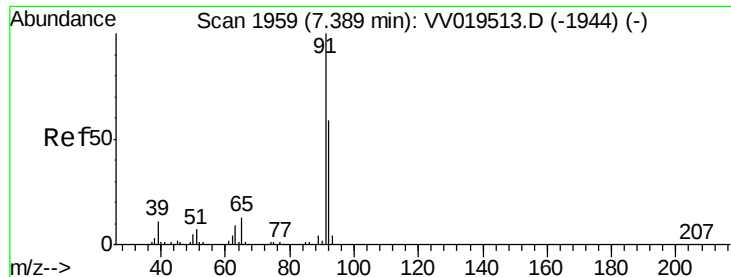


#40

4-Methyl-2-pentanone
 Concen: 112.968 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VV019536.D
 Acq: 11 Dec 2020 01:51

Tgt Ion: 43 Resp: 743290
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.7 47.5
 100 15.4 12.5 18.7





#42

Toluene

Concen: 50.634 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

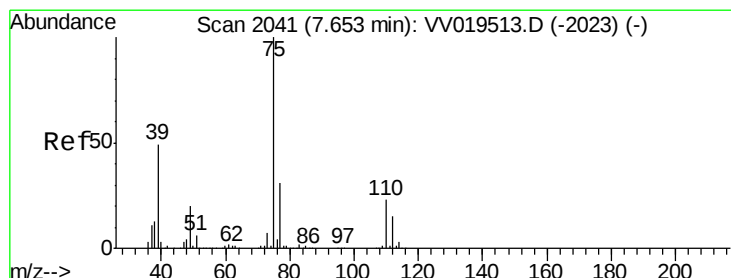
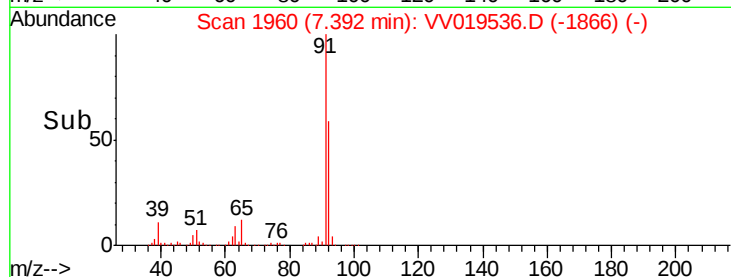
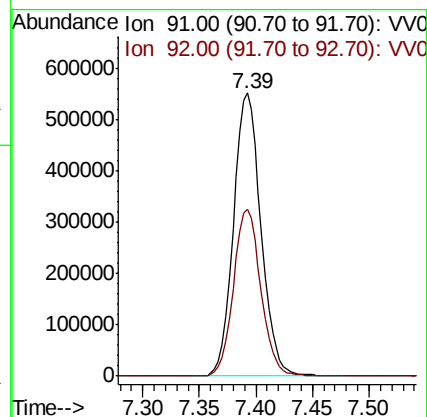
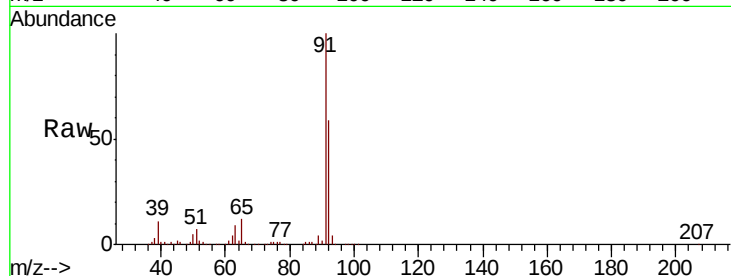
VSTD05082

Tot Ion: 91 Resp: 931960

Ion Ratio Lower Upper

91 100

92 59.0 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 51.482 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019536.D

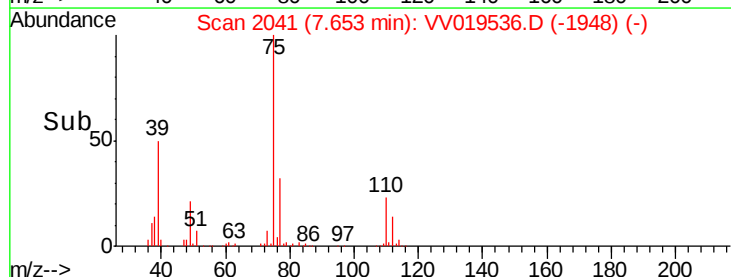
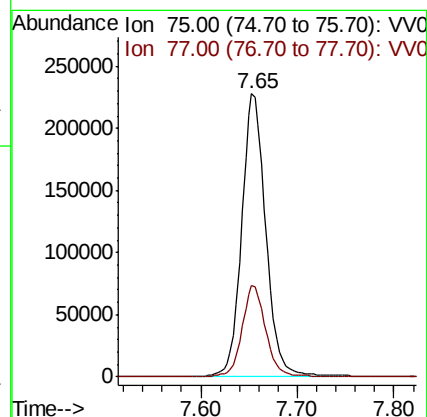
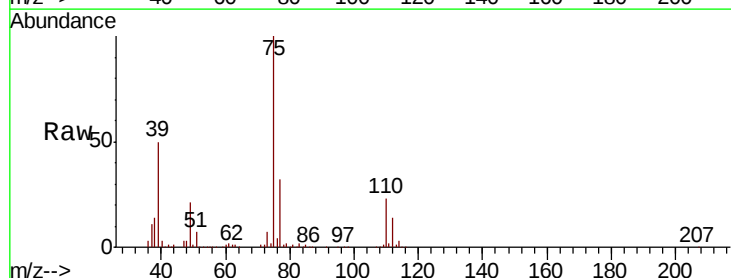
Acq: 11 Dec 2020 01:51

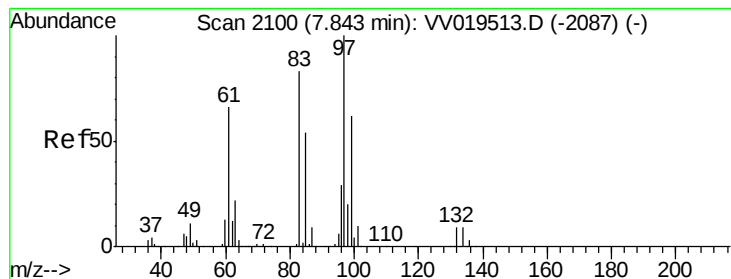
Tgt Ion: 75 Resp: 394846

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 52.973 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

Tot Ion: 97 Resp: 229421

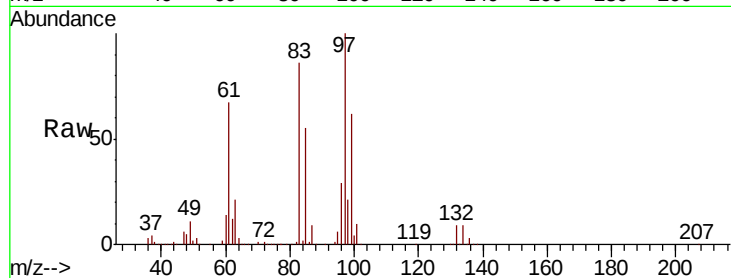
Ion Ratio Lower Upper

97 100

99 61.8 44.1 81.9

83 85.6 60.0 111.4

85 55.0 38.6 71.8

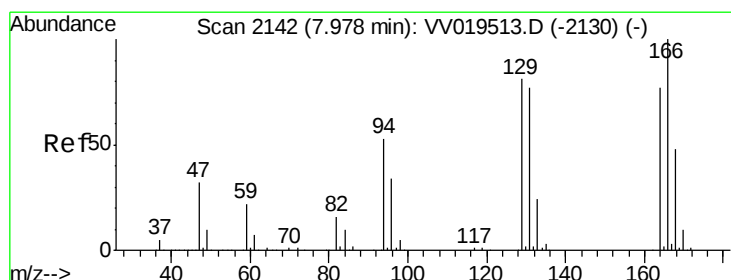
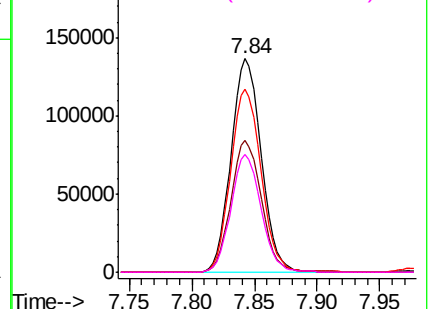
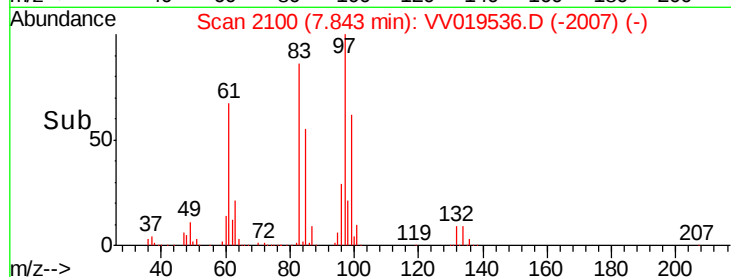


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 45.192 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Tgt Ion: 164 Resp: 144258

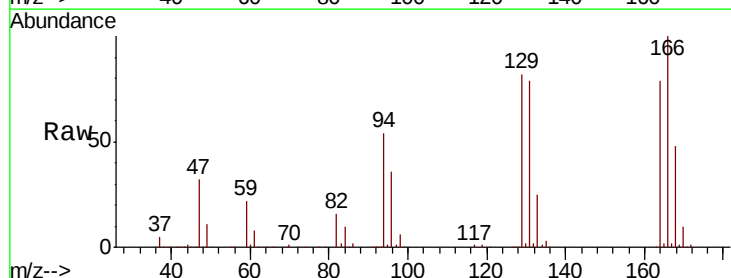
Ion Ratio Lower Upper

164 100

129 104.9 70.6 131.0

131 100.1 68.0 126.4

166 127.2 86.9 161.5

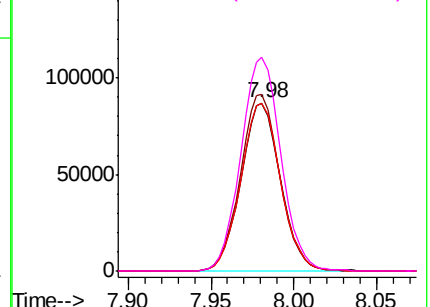
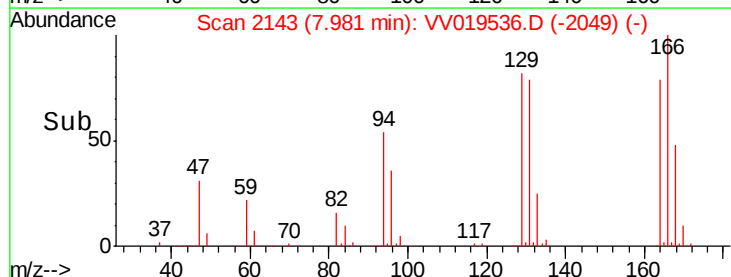


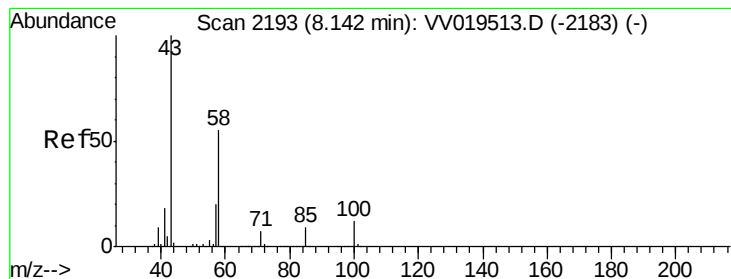
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 112.929 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

Tot Ion: 43 Resp: 563801

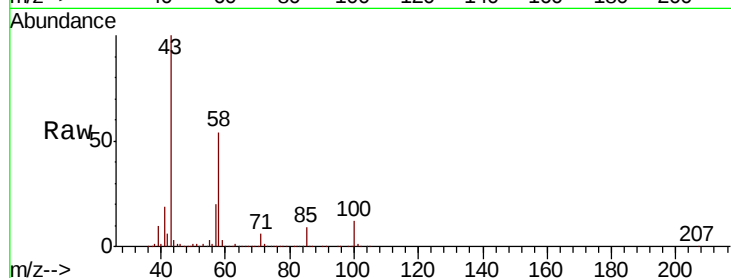
Ion Ratio Lower Upper

43 100

58 54.3 44.4 66.6

57 19.5 15.7 23.5

100 12.2 9.9 14.9

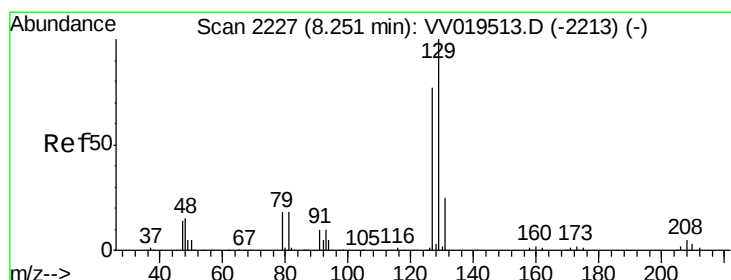
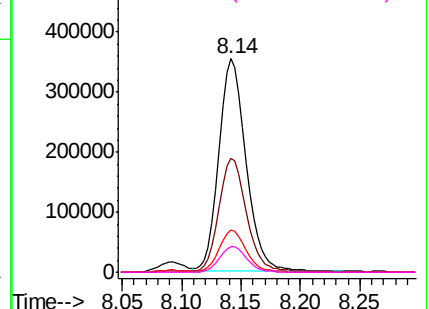
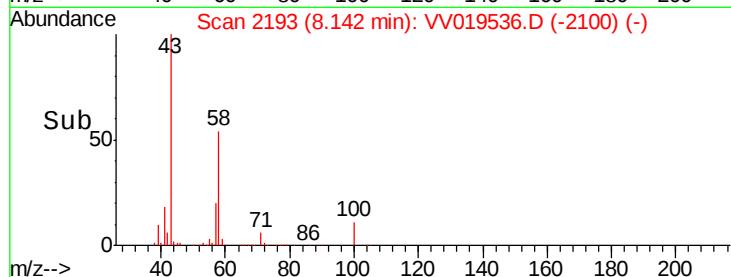


Abundance Ion 43.00 (42.70 to 43.70): VV019536.D (-2100) (-)

Ion 58.00 (57.70 to 58.70): VV019536.D (-2100) (-)

Ion 57.00 (56.70 to 57.70): VV019536.D (-2100) (-)

Ion 100.00 (99.70 to 100.70): VV019536.D (-2100) (-)



#49

Dibromochloromethane

Concen: 52.032 ug/L

RT: 8.25 min Scan# 2227

Delta R.T. 0.00 min

Lab File: VV019536.D

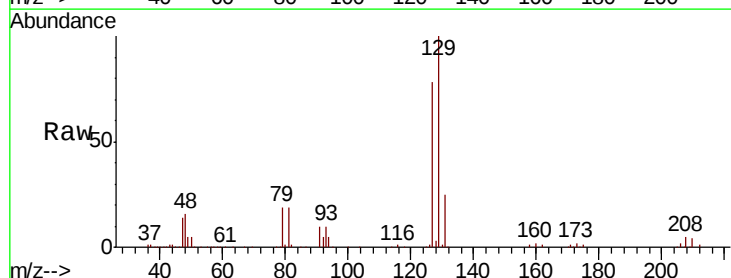
Acq: 11 Dec 2020 01:51

Tgt Ion: 129 Resp: 246782

Ion Ratio Lower Upper

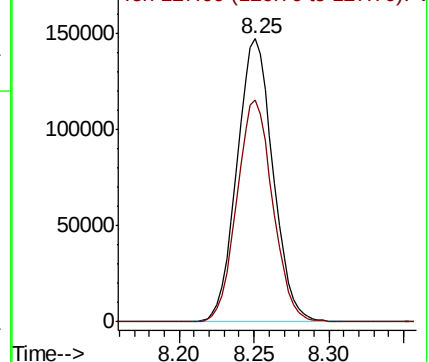
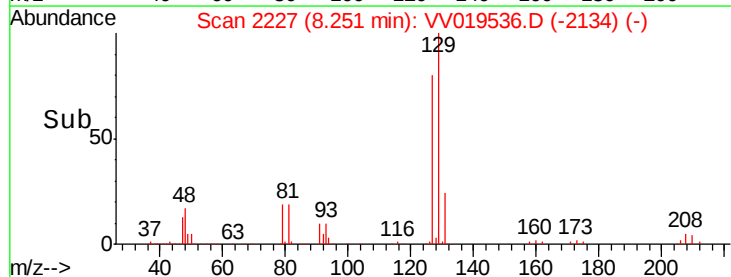
129 100

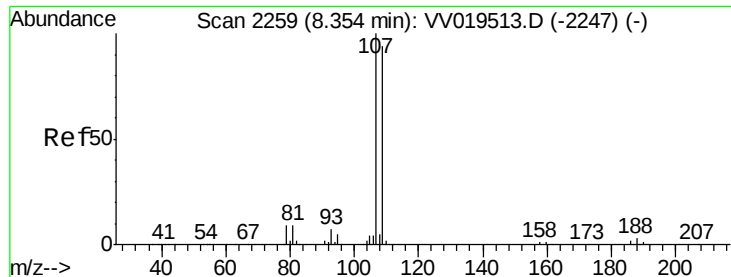
127 78.3 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VV019536.D (-2134) (-)

Ion 127.00 (126.70 to 127.70): VV019536.D (-2134) (-)





#50

1,2-Dibromoethane

Concen: 53.878 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

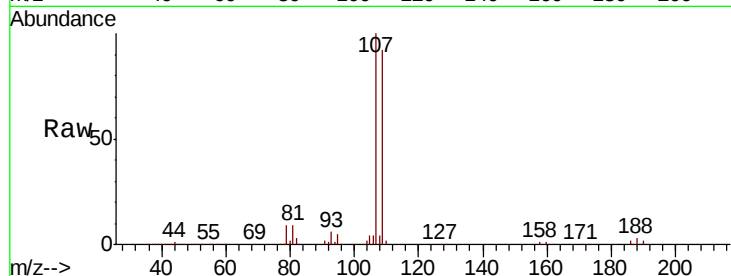
Tot Ion:107 Resp: 245719

Ion Ratio Lower Upper

107 100

109 92.3 66.4 123.2

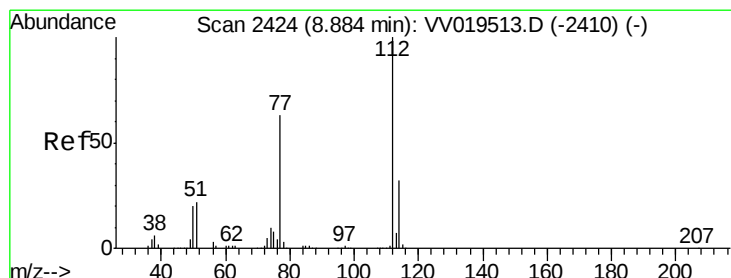
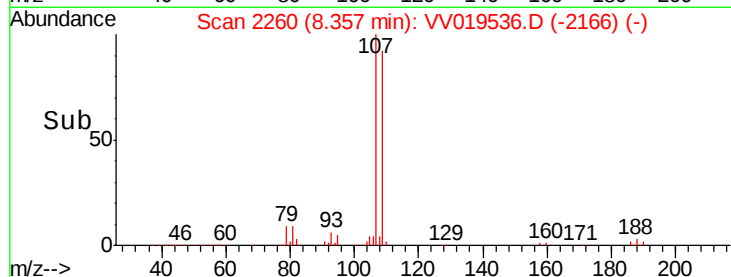
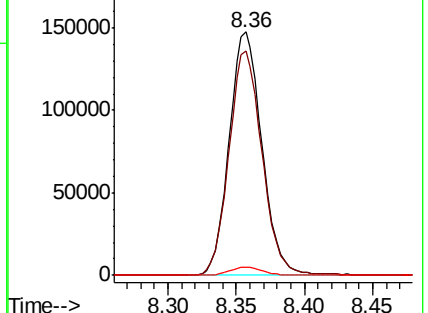
188 3.3 2.9 4.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 51.016 ug/L

RT: 8.88 min Scan# 2424

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

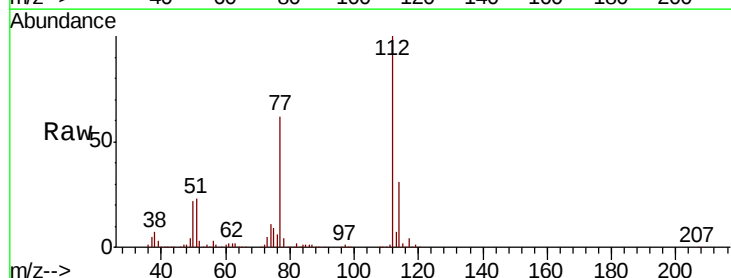
Tgt Ion:112 Resp: 599721

Ion Ratio Lower Upper

112 100

114 31.5 22.2 41.2

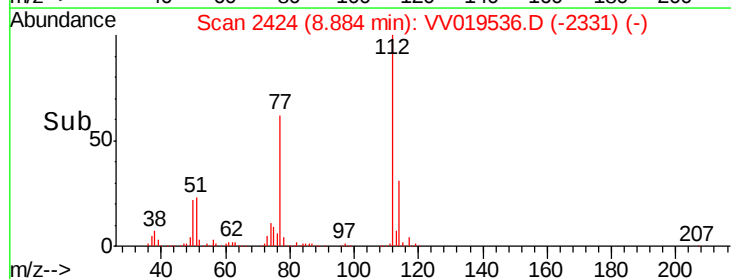
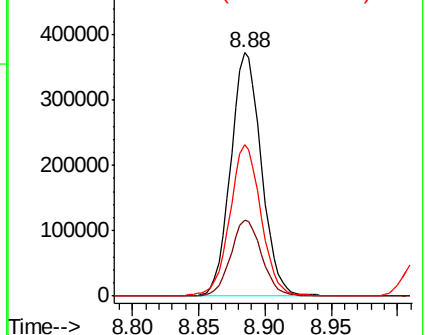
77 62.4 50.6 75.8

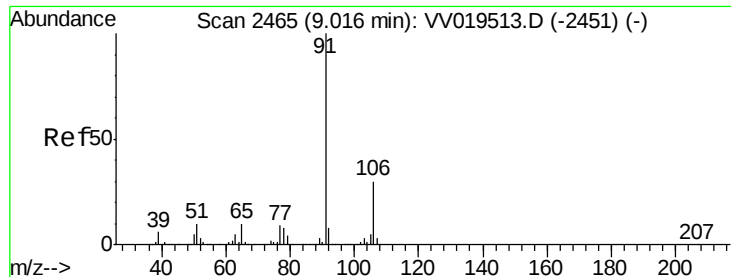


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 48.629 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

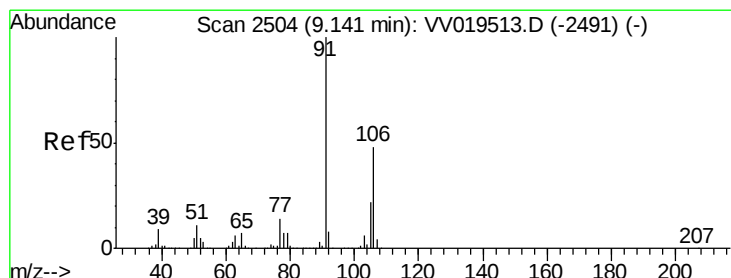
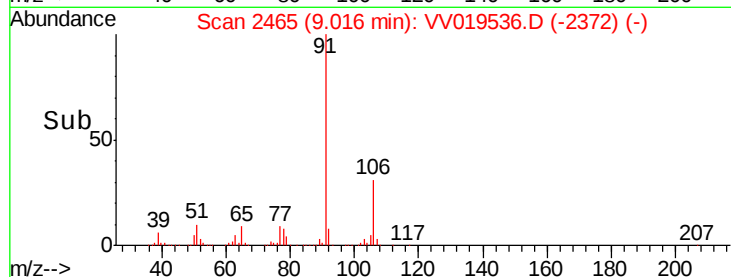
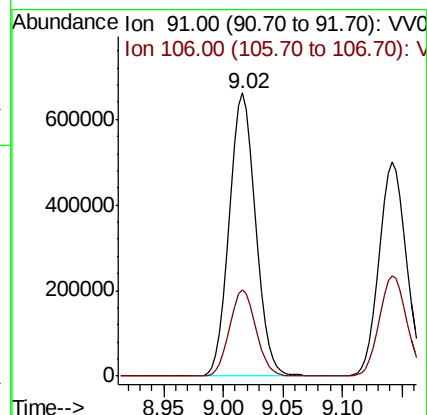
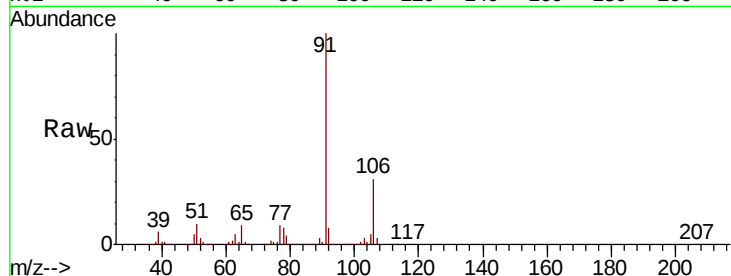
VSTD05082

Tot Ion: 91 Resp: 1019782

Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.3



#53

m,p-Xylene

Concen: 48.171 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VV019536.D

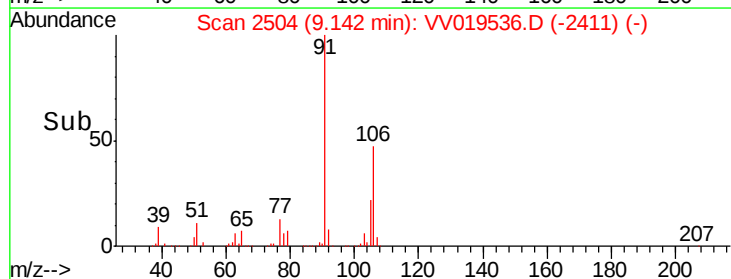
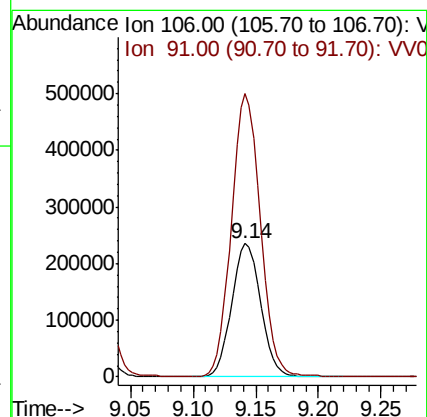
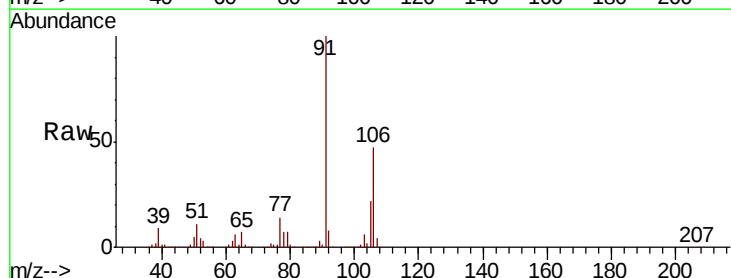
Acq: 11 Dec 2020 01:51

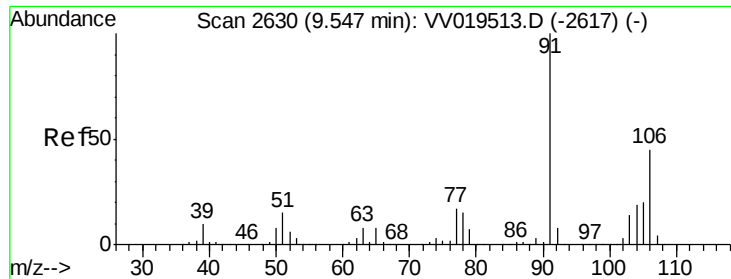
Tgt Ion: 106 Resp: 377400

Ion Ratio Lower Upper

106 100

91 212.0 147.7 274.3

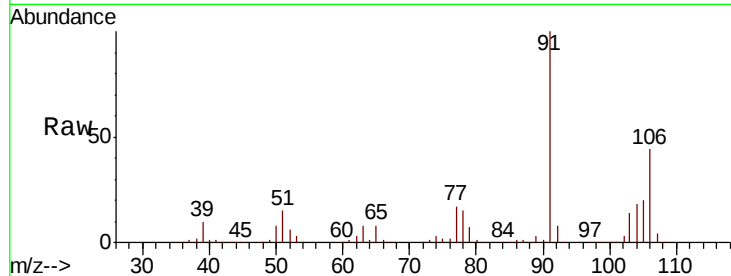




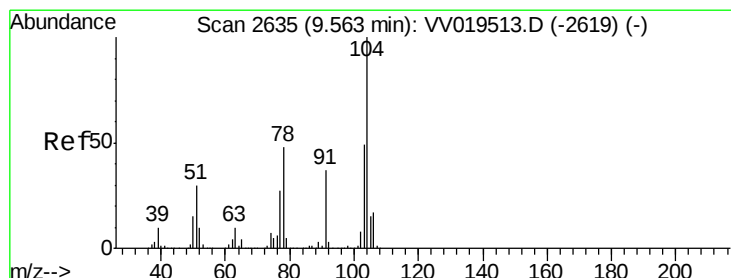
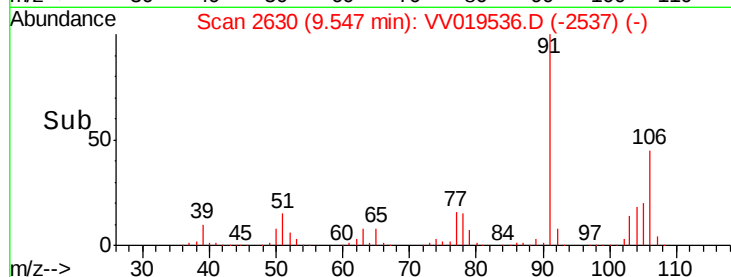
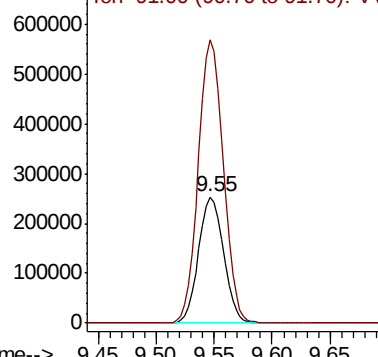
#54
o-xylene
Concen: 49.623 ug/L
RT: 9.55 min Scan# 2630
Delta R.T. 0.00 min
Lab File: VV019536.D
Acq: 11 Dec 2020 01:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

Tot Ion:106 Resp: 381064
Ion Ratio Lower Upper
106 100
91 224.7 156.7 291.1

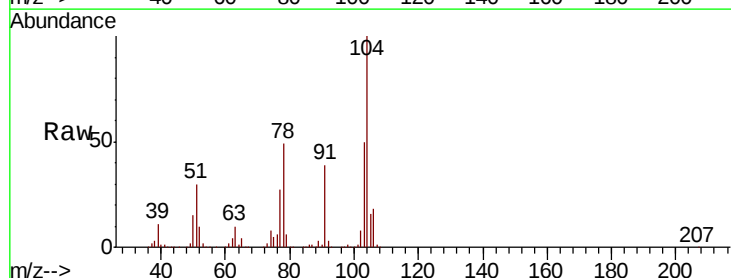


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

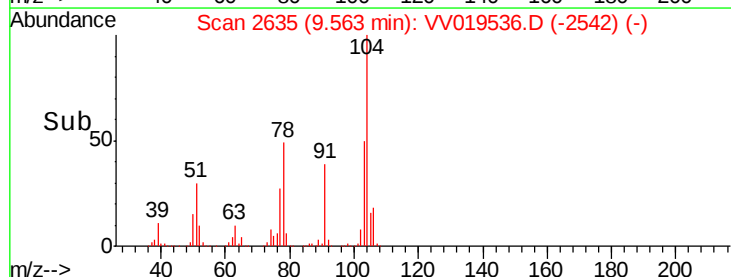
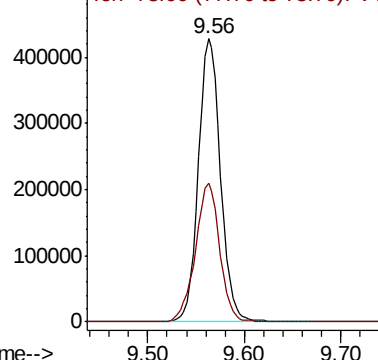


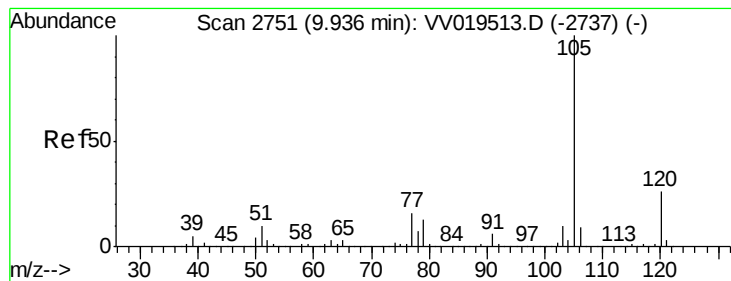
#55
Styrene
Concen: 50.717 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019536.D
Acq: 11 Dec 2020 01:51

Tgt Ion:104 Resp: 678795
Ion Ratio Lower Upper
104 100
78 48.9 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 47.211 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

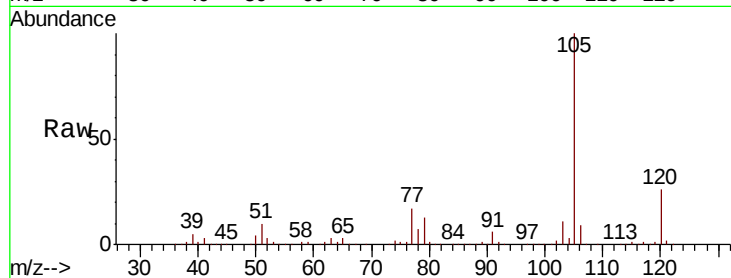
Tot Ion:105 Resp: 965846

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

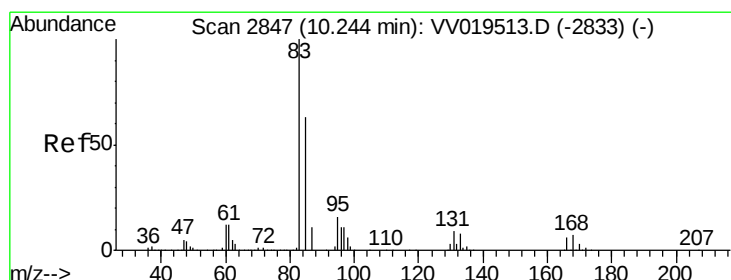
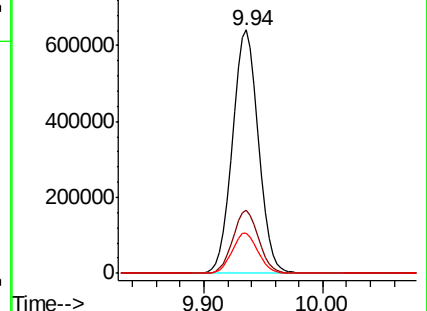
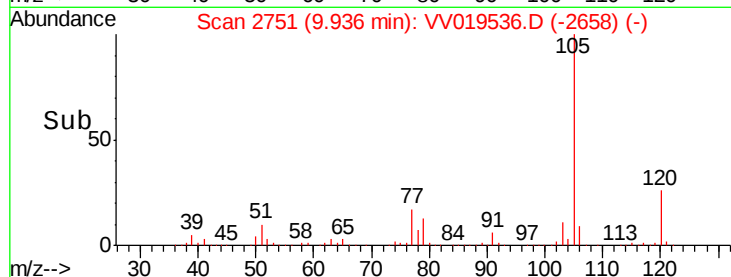
77 16.6 13.2 19.8



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: 54.198 ug/L

RT: 10.24 min Scan# 2847

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

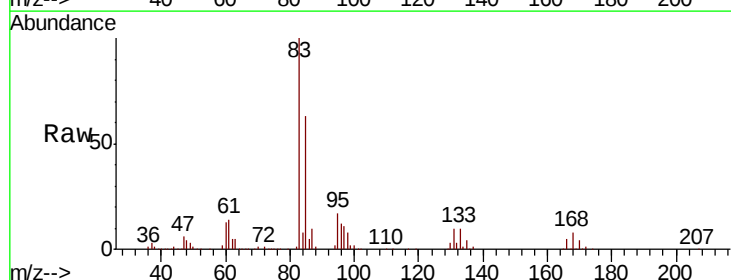
Tgt Ion: 83 Resp: 377473

Ion Ratio Lower Upper

83 100

85 62.8 44.9 83.5

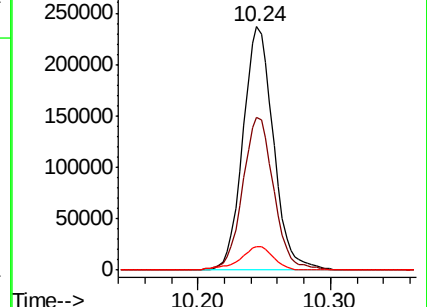
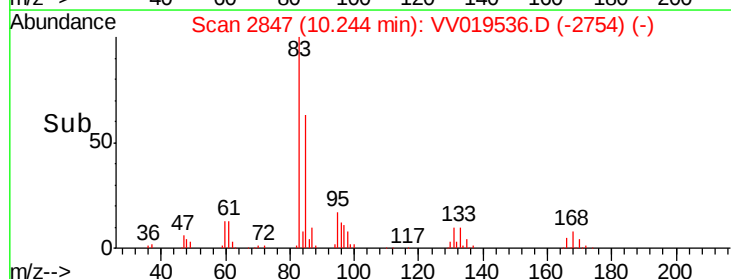
131 9.7 7.6 11.4

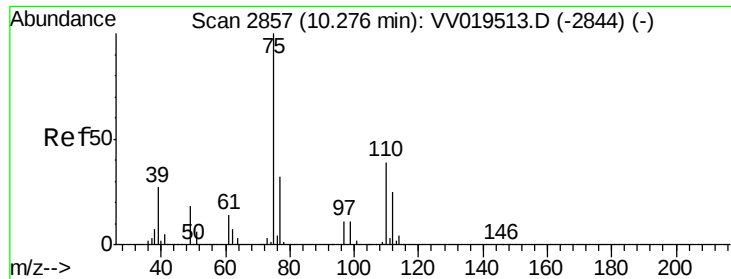


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 54.933 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

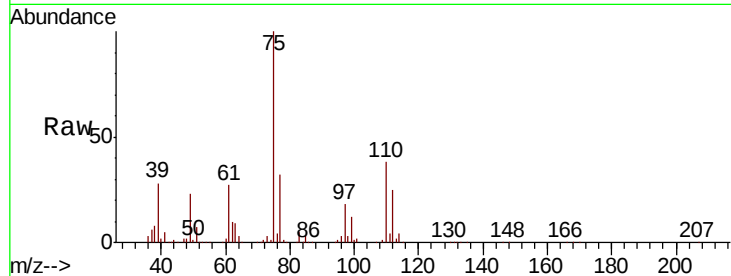
VSTD05082

Tot Ion: 75 Resp: 311618

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV019513.D (-2844) (-)

Ion 77.00 (76.70 to 77.70): VV019513.D (-2844) (-)

10.28

200000

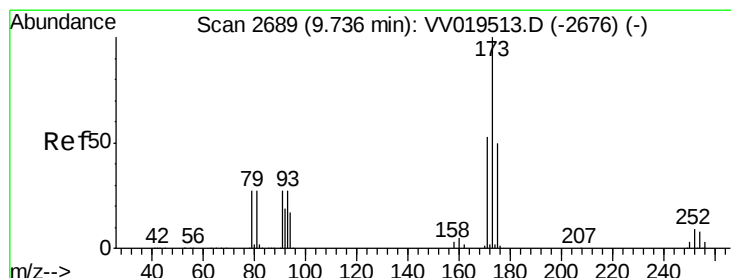
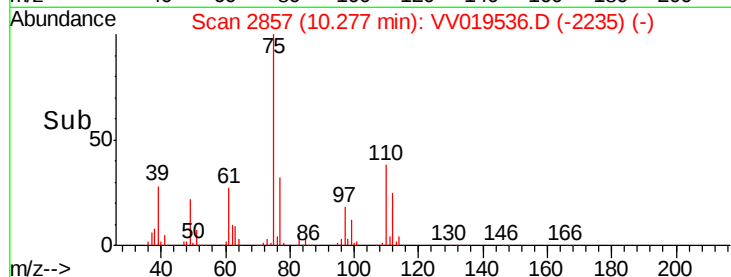
150000

100000

50000

0

Time--> 10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 53.322 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

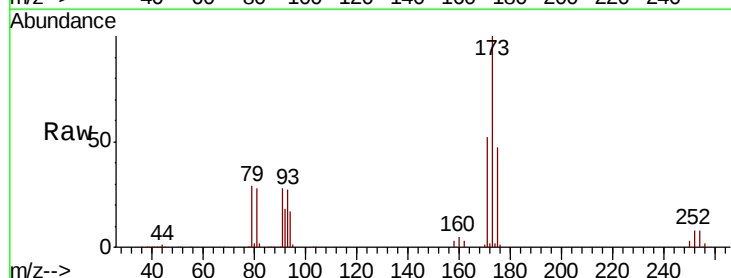
Tgt Ion: 173 Resp: 167811

Ion Ratio Lower Upper

173 100

175 48.1 38.4 57.6

254 8.1 6.6 10.0



Abundance Ion 173.00 (172.70 to 173.70): VV019513.D (-2676) (-)

Ion 175.00 (174.70 to 175.70): VV019513.D (-2676) (-)

Ion 254.00 (253.70 to 254.70): VV019513.D (-2676) (-)

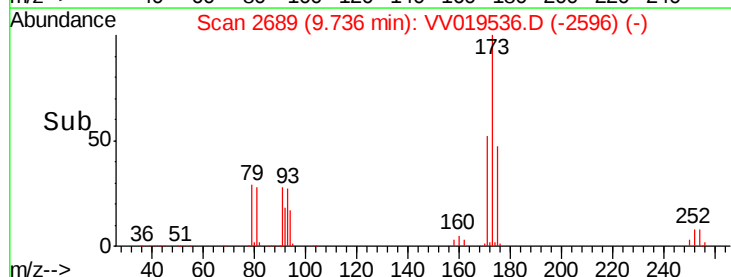
9.74

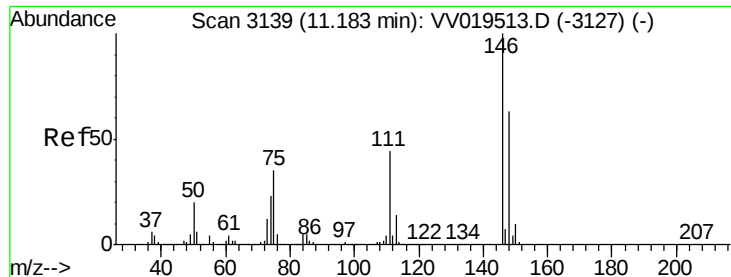
100000

50000

0

Time--> 9.65 9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 50.164 ug/L

RT: 11.18 min Scan# 3139

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

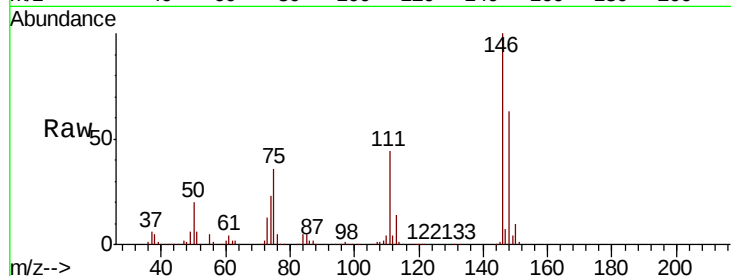
Tot Ion:146 Resp: 437749

Ion Ratio Lower Upper

146 100

111 44.2 30.7 57.1

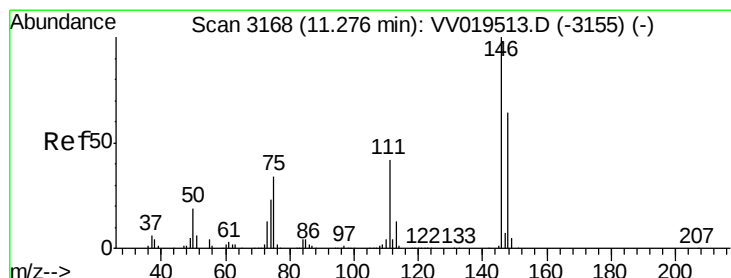
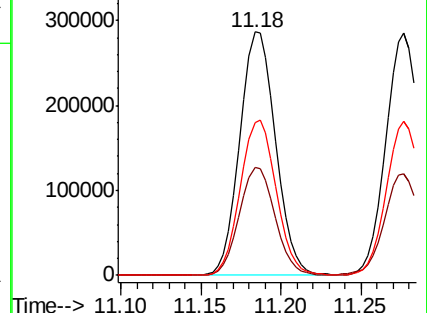
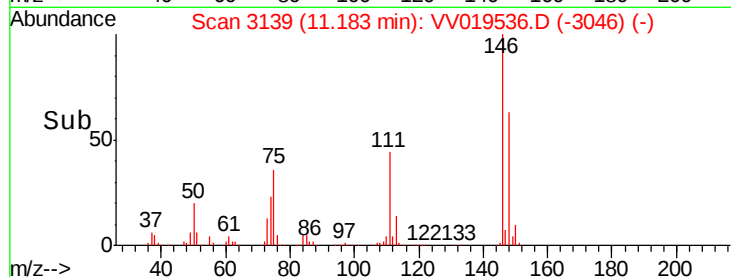
148 62.6 45.3 84.1



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: 49.899 ug/L

RT: 11.28 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

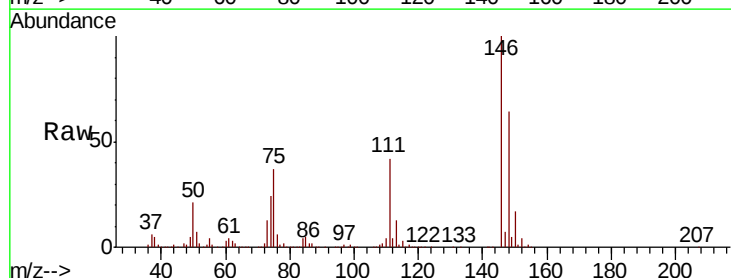
Tgt Ion:146 Resp: 440929

Ion Ratio Lower Upper

146 100

111 42.0 29.8 55.4

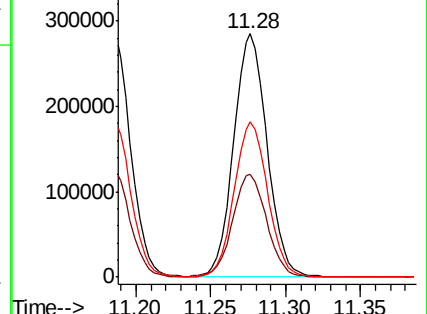
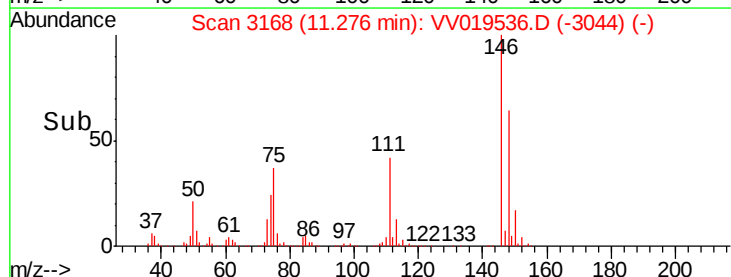
148 63.9 44.2 82.0

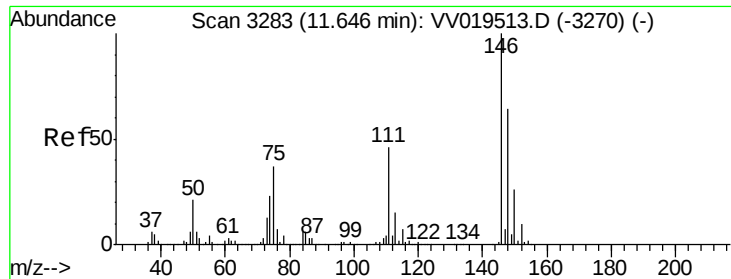


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

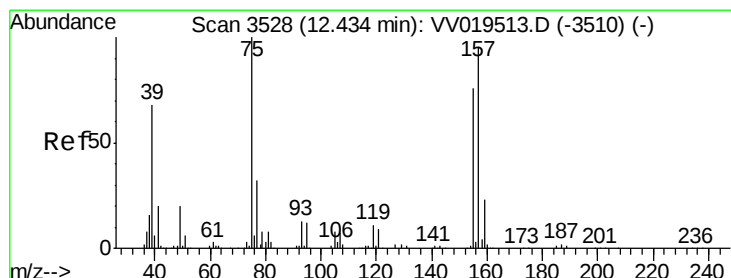
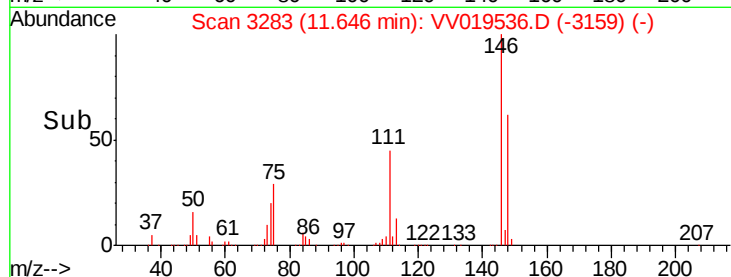
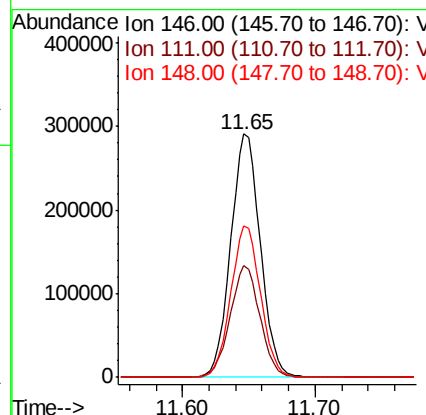
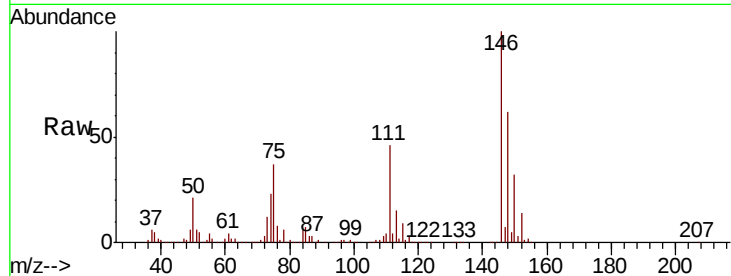




#65
 1,2-Dichlorobenzene
 Concen: 52.188 ug/L
 RT: 11.65 min Scan# 3283
 Delta R.T. 0.00 min
 Lab File: VV019536.D
 Acq: 11 Dec 2020 01:51

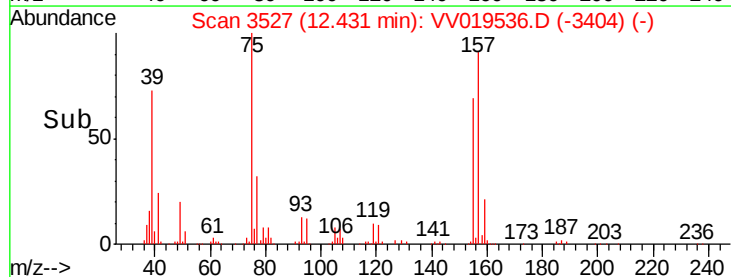
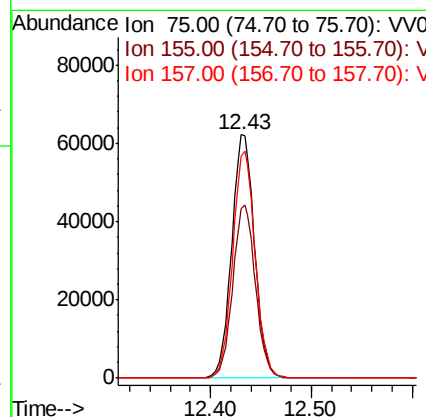
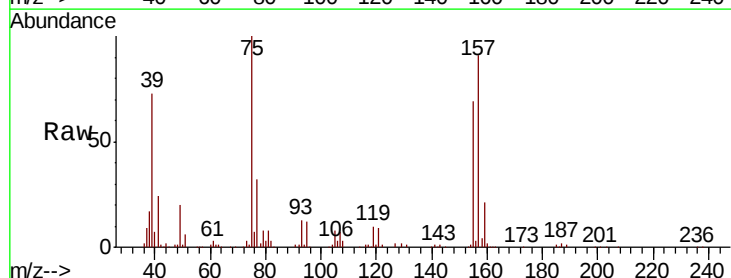
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

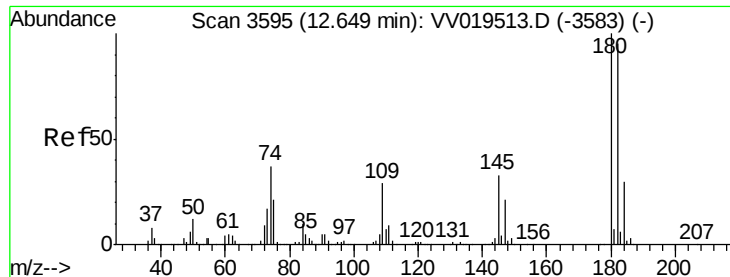
Tot Ion:146 Resp: 450006
 Ion Ratio Lower Upper
 146 100
 111 45.7 36.6 55.0
 148 62.2 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 54.853 ug/L
 RT: 12.43 min Scan# 3527
 Delta R.T. -0.00 min
 Lab File: VV019536.D
 Acq: 11 Dec 2020 01:51

Tgt Ion: 75 Resp: 98732
 Ion Ratio Lower Upper
 75 100
 155 69.4 61.1 91.7
 157 91.1 78.7 118.1

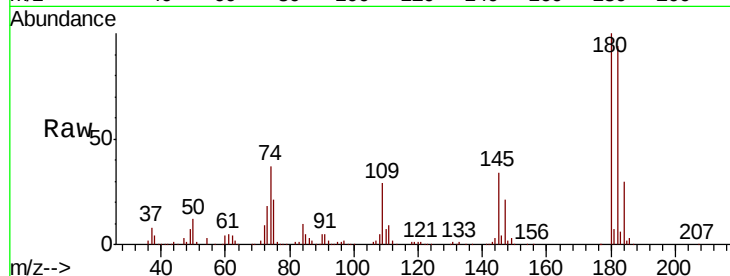




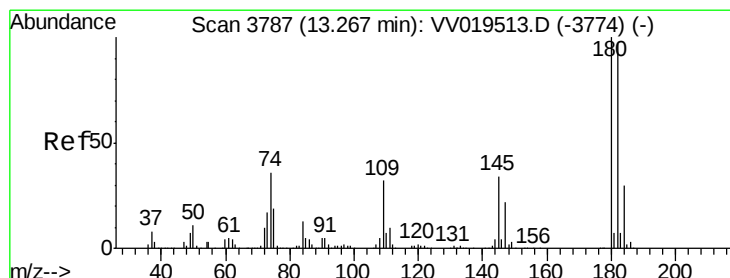
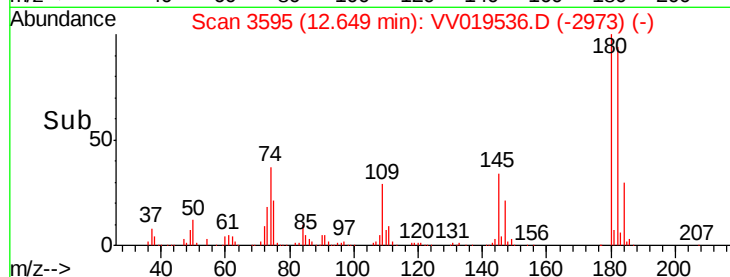
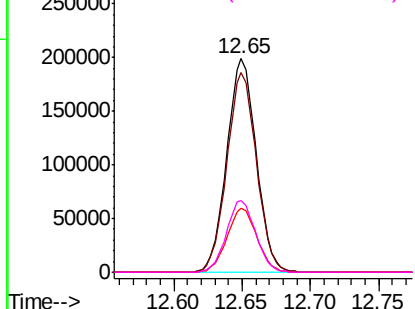
#67
 1,3,5-Trichlorobenzene
 Concen: 48.518 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VV019536.D
 Acq: 11 Dec 2020 01:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

Tot Ion:180	Resp:	299131
Ion Ratio	Lower	Upper
180	100	
182	93.5	75.8 113.6
184	30.2	23.9 35.9
145	33.2	26.2 39.2

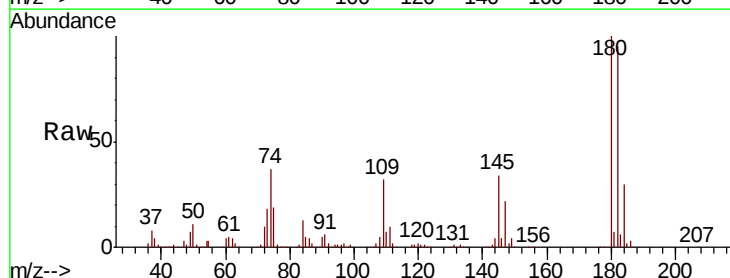


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

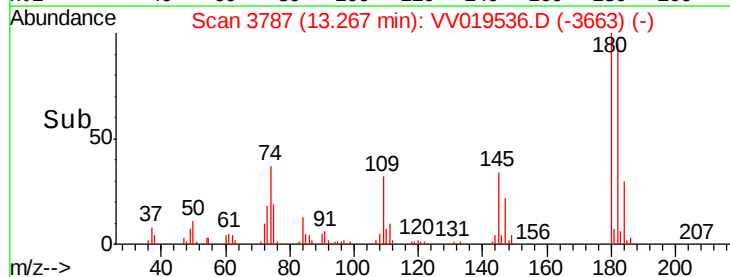
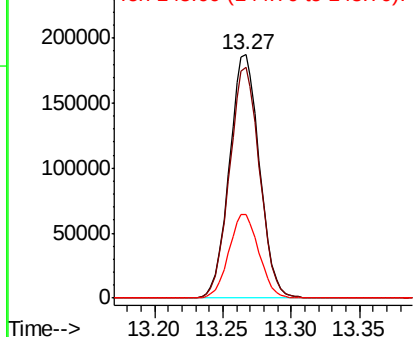


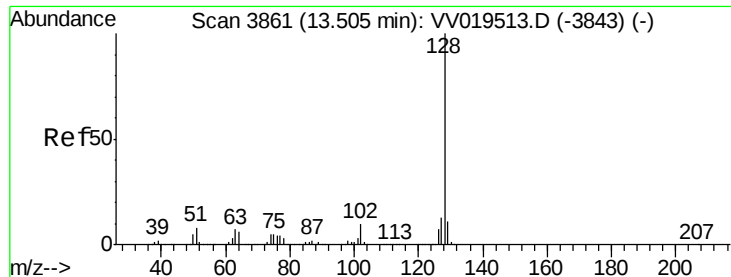
#68
 1,2,4-trichlorobenzene
 Concen: 49.649 ug/L
 RT: 13.27 min Scan# 3787
 Delta R.T. 0.00 min
 Lab File: VV019536.D
 Acq: 11 Dec 2020 01:51

Tgt Ion:180	Resp:	286212
Ion Ratio	Lower	Upper
180	100	
182	95.2	76.5 114.7
145	34.4	27.0 40.6



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





#69

Naphthalene

Concen: 55.350 ug/L

RT: 13.50 min Scan# 3861

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

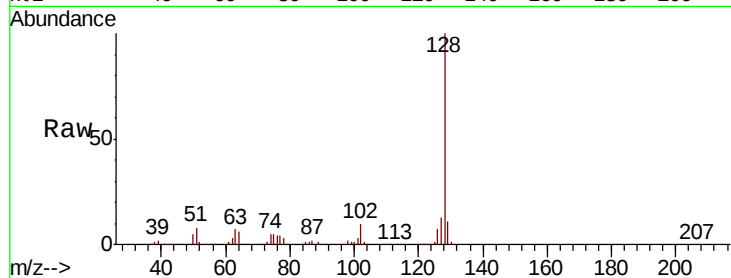
Tot Ion:128 Resp: 1107924

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

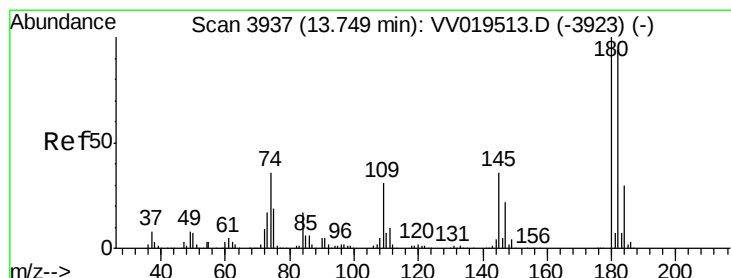
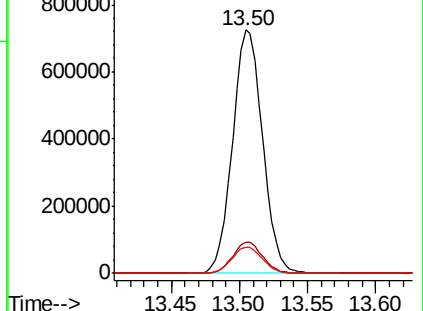
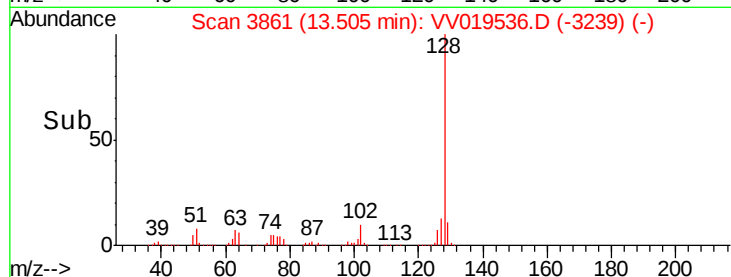
129 10.9 8.6 12.8



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: 51.244 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.00 min

Lab File: VV019536.D

Acq: 11 Dec 2020 01:51

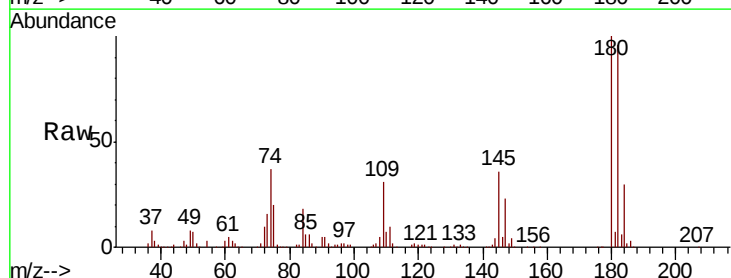
Tgt Ion:180 Resp: 288681

Ion Ratio Lower Upper

180 100

182 95.9 75.8 113.6

145 36.2 29.1 43.7



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

