

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121220\
 Data File : VV019569.D
 Acq On : 12 Dec 2020 20:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05085

Quant Time: Dec 13 04:27:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 04:38:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	641896	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	594694	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	284254	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	189945	41.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.54%
7) Chloroethane-d5	1.57	69	167821	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.46%
11) 1,1-Dichloroethene-d2	2.11	63	392223	45.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.82%
21) 2-Butanone-d5	3.90	46	288014	115.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.12%
24) Chloroform-d	4.35	84	405159	48.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.68%
26) 1,2-Dichloroethane-d4	5.04	65	273003	50.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.72%
32) Benzene-d6	5.05	84	754886	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
36) 1,2-Dichloropropane-d6	6.07	67	245297	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.74%
41) Toluene-d8	7.32	98	661746	46.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.68%
43) trans-1,3-Dichloropropene-	7.62	79	129250	45.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.48%
47) 2-Hexanone-d5	8.09	63	212817	109.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.14%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	348878	51.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.82%
64) 1,2-Dichlorobenzene-d4	11.63	152	254807	47.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	248821	48.033	ug/L 100
3) Chloromethane	1.24	50	280344	50.914	ug/L 99
5) Vinyl chloride	1.31	62	275041	49.799	ug/L 99
6) Bromomethane	1.52	94	169372	51.065	ug/L 100
8) Chloroethane	1.59	64	171272	51.412	ug/L 98
9) Trichlorofluoromethane	1.76	101	333090	49.362	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	181962	48.829	ug/L 99
12) 1,1-Dichloroethene	2.12	96	192539	50.350	ug/L # 85
13) Acetone	2.19	43	236562	110.992	ug/L 99
14) Carbon disulfide	2.30	76	582800	46.383	ug/L 100
15) Methyl Acetate	2.44	43	267925	57.698	ug/L 100
16) Methylene chloride	2.51	84	231206	51.568	ug/L 100
17) trans-1,2-Dichloroethene	2.77	96	209852	50.067	ug/L 98
18) Methyl tert-butyl Ether	2.77	73	761802	52.014	ug/L 99
19) 1,1-Dichloroethane	3.19	63	422501	51.994	ug/L 99
20) cis-1,2-Dichloroethene	3.92	96	234644	50.925	ug/L # 97
22) 2-Butanone	3.98	43	376203	120.332	ug/L 97

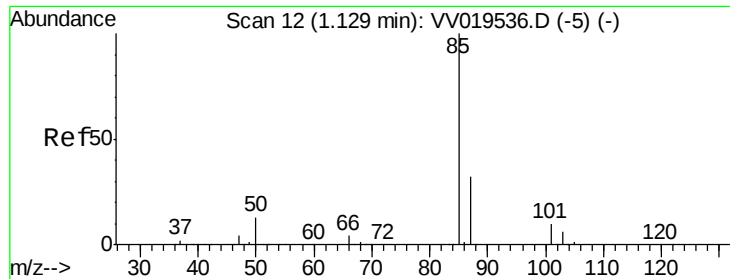
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121220\
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 04:38:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	116208	51.259	ug/L	98
25) Chloroform	4.38	83	423256	52.153	ug/L	99
27) 1,2-Dichloroethane	5.14	62	350788	52.174	ug/L	98
29) Cyclohexane	4.68	56	349670	47.975	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	369562	49.561	ug/L	99
31) Carbon tetrachloride	4.83	117	299538	47.585	ug/L	98
33) Benzene	5.11	78	893463	51.406	ug/L	100
34) Trichloroethene	5.92	95	228637	49.799	ug/L	97
35) Methylcyclohexane	6.14	83	336288	48.214	ug/L	99
37) 1,2-Dichloropropane	6.18	63	241195	53.140	ug/L	99
38) Bromodichloromethane	6.51	83	320540	50.504	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	388593	51.549	ug/L	97
40) 4-Methyl-2-pentanone	7.23	43	738669	112.803	ug/L	99
42) Toluene	7.39	91	915727	49.990	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	378941	49.645	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	223786	51.920	ug/L	99
46) Tetrachloroethene	7.98	164	152646	48.048	ug/L	98
48) 2-Hexanone	8.14	43	562065	113.121	ug/L	99
49) Dibromochloromethane	8.25	129	236403	50.082	ug/L	99
50) 1,2-Dibromoethane	8.36	107	236986	52.212	ug/L	99
51) Chlorobenzene	8.88	112	582917	49.824	ug/L	100
52) Ethylbenzene	9.02	91	1025185	49.121	ug/L	99
53) m,p-Xylene	9.14	106	381441	48.920	ug/L	99
54) o-xylene	9.55	106	378087	49.471	ug/L	99
55) Styrene	9.56	104	663725	49.829	ug/L	100
56) Isopropylbenzene	9.93	105	992645	48.753	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	366922	52.936	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	309384	54.801	ug/L	99
61) Bromoform	9.73	173	156139	49.643	ug/L	100
62) 1,3-Dichlorobenzene	11.18	146	429181	49.211	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	434478	49.198	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	433225	50.271	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.43	75	96585	53.692	ug/L	92
67) 1,3,5-Trichlorobenzene	12.65	180	307178	49.852	ug/L	99
68) 1,2,4-trichlorobenzene	13.26	180	283413	49.193	ug/L	100
69) Naphthalene	13.50	128	1067527	53.363	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	285149	50.647	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.033 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

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ClientSampleId :

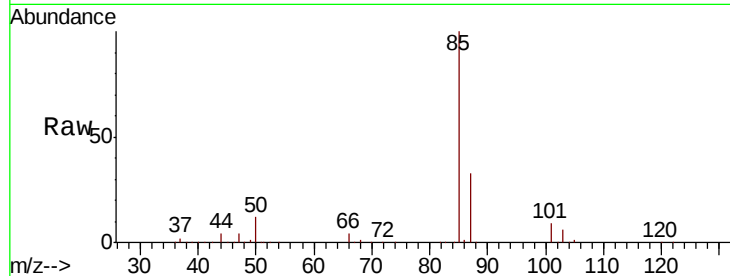
VSTD05085

Tot Ion: 85 Resp: 248821

Ion Ratio Lower Upper

85 100

87 32.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.13

250000

200000

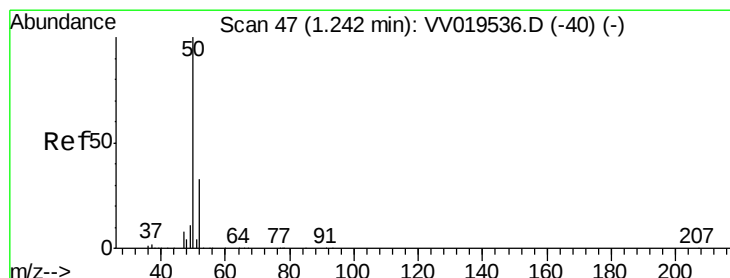
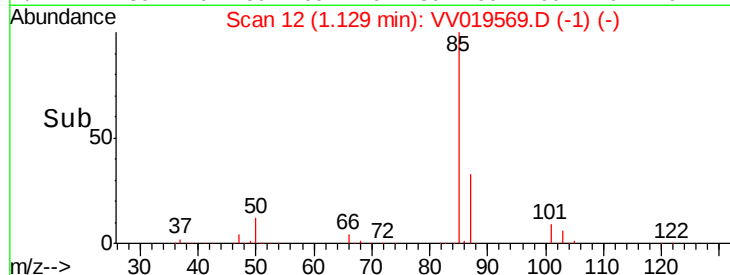
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 50.914 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019569.D

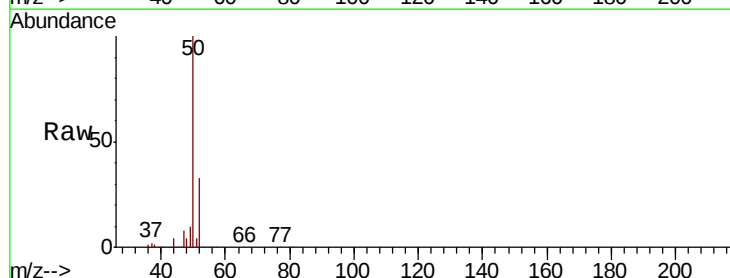
Acq: 12 Dec 2020 20:28

Tgt Ion: 50 Resp: 280344

Ion Ratio Lower Upper

50 100

52 32.8 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.24

300000

250000

200000

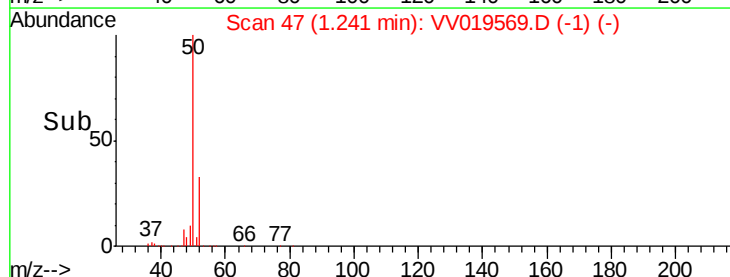
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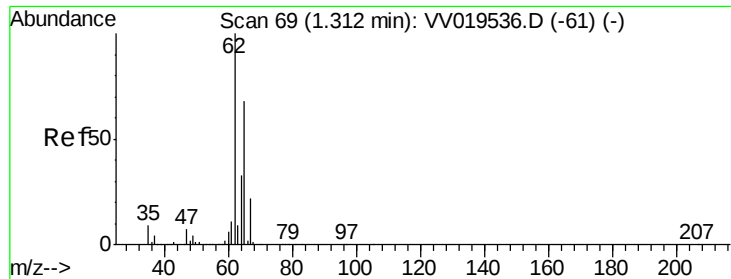
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.799 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

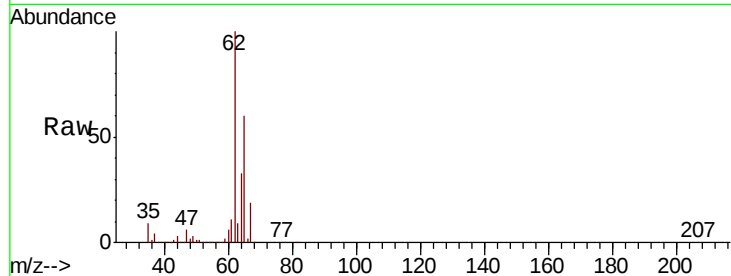
VSTD05085

Tot Ion: 62 Resp: 275041

Ion Ratio Lower Upper

62 100

64 32.5 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV019536.D (-61) (-)

Ion 64.00 (63.70 to 64.70): VV019536.D (-61) (-)

1.31

300000

250000

200000

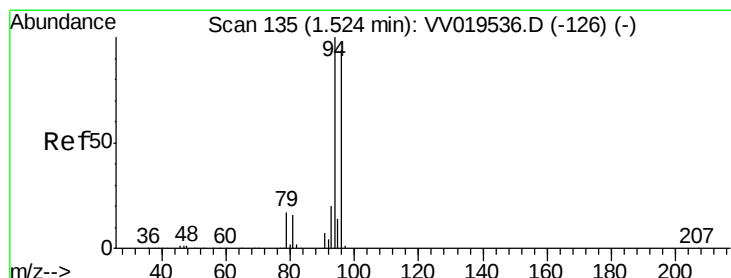
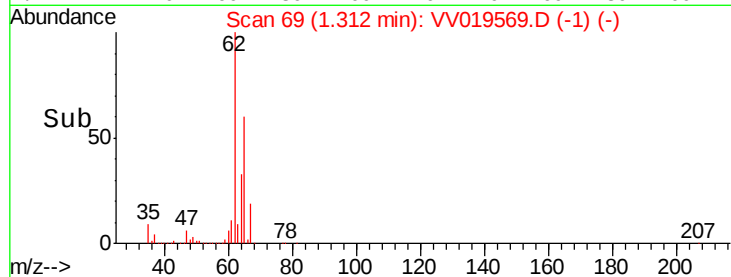
150000

100000

50000

0

Time--> 1.25 1.30 1.35



#6

Bromomethane

Concen: 51.065 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019569.D

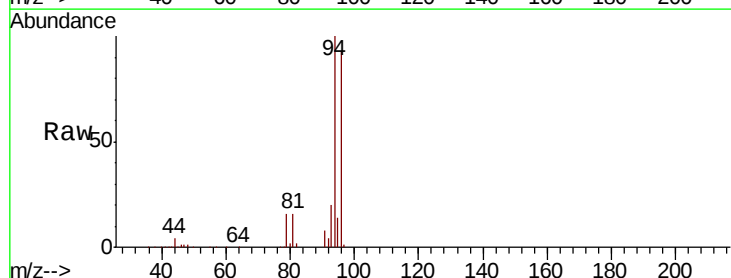
Acq: 12 Dec 2020 20:28

Tgt Ion: 94 Resp: 169372

Ion Ratio Lower Upper

94 100

96 93.4 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV019536.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV019536.D (-126) (-)

1.52

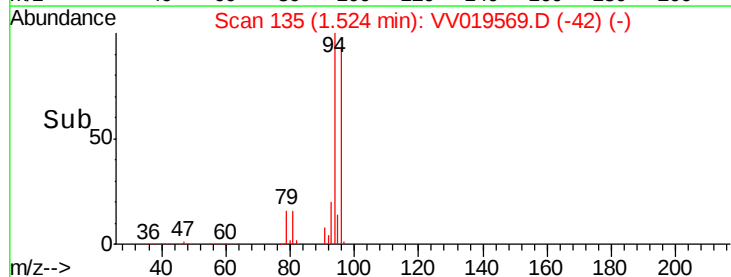
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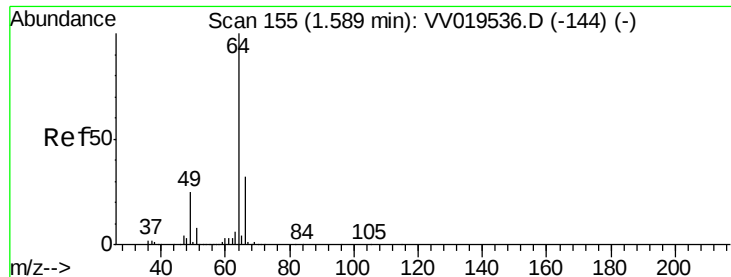
100000

50000

0

Time--> 1.45 1.50 1.55 1.60





#8

Chloroethane

Concen: 51.412 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

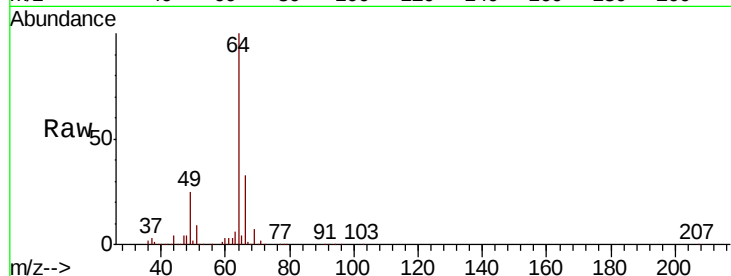
VSTD05085

Tot Ion: 64 Resp: 171272

Ion Ratio Lower Upper

64 100

66 33.4 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV019536.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV019536.D (-144) (-)

150000

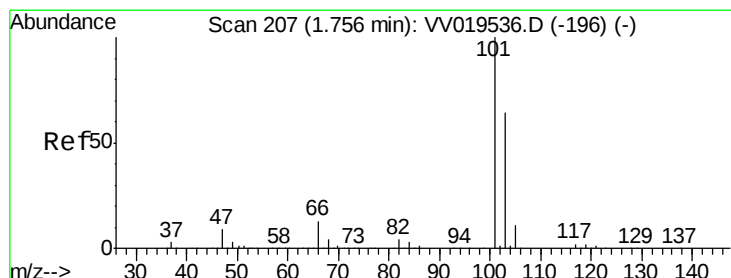
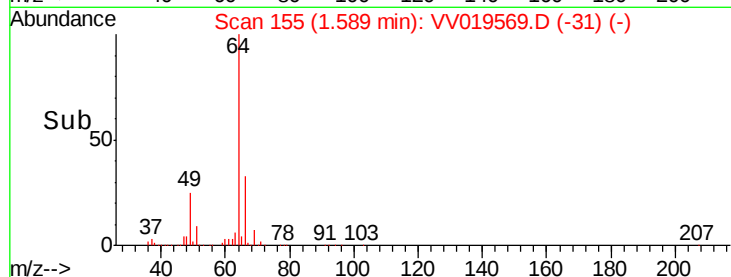
100000

50000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 49.362 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV019569.D

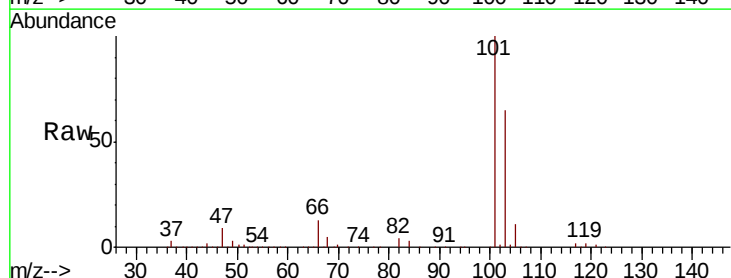
Acq: 12 Dec 2020 20:28

Tgt Ion: 101 Resp: 333090

Ion Ratio Lower Upper

101 100

103 64.1 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV019536.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV019536.D (-196) (-)

300000

250000

200000

150000

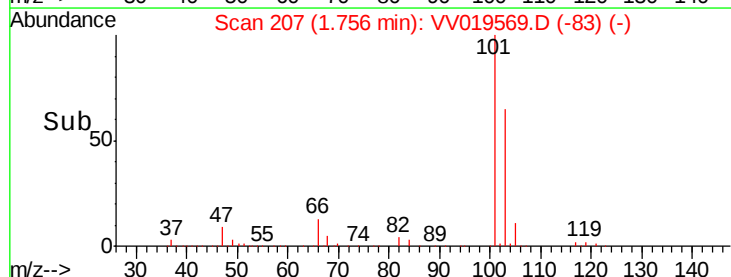
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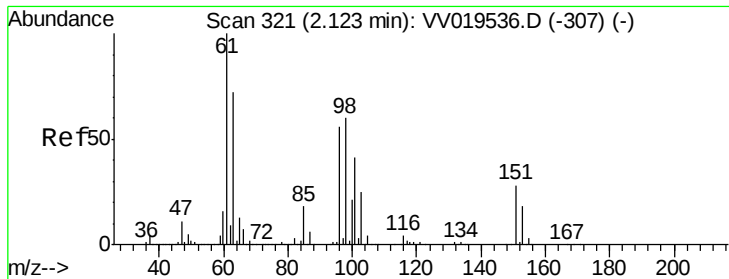
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 48.829 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05085

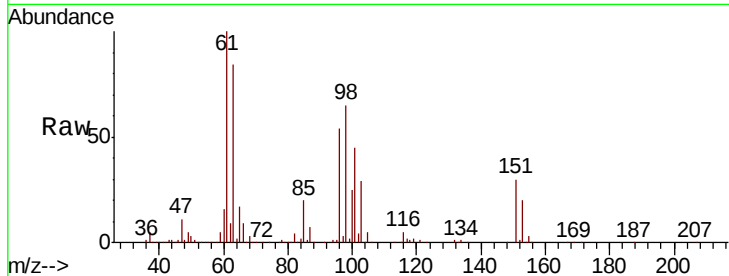
Tot Ion:101 Resp: 181962

Ion Ratio Lower Upper

101 100

85 44.1 35.0 52.4

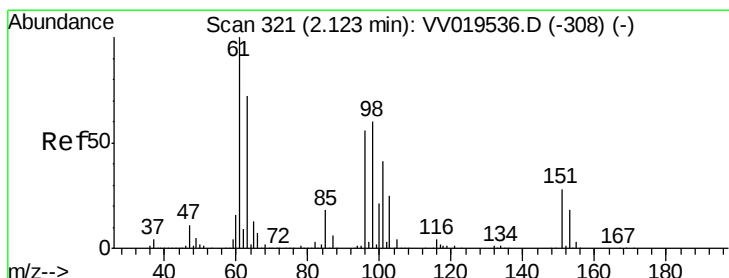
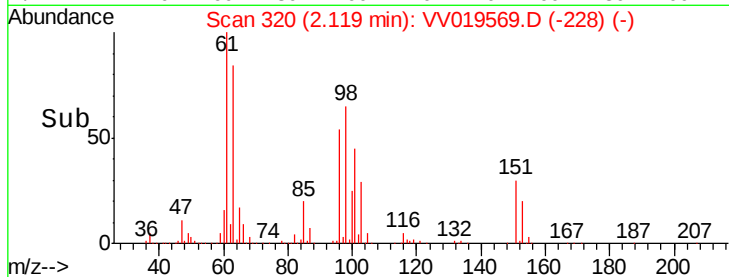
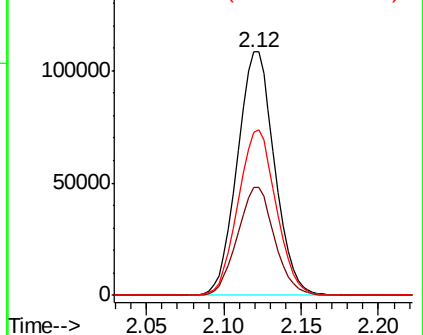
151 69.2 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.350 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

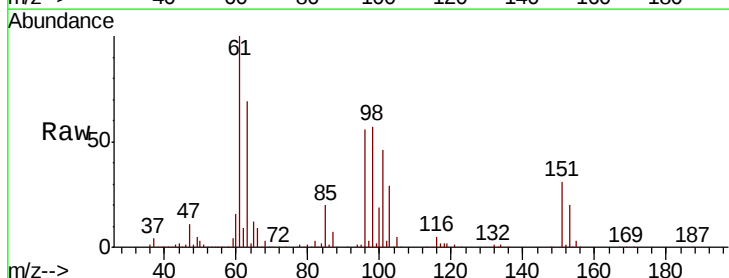
Tgt Ion: 96 Resp: 192539

Ion Ratio Lower Upper

96 100

61 179.3 120.7 224.1

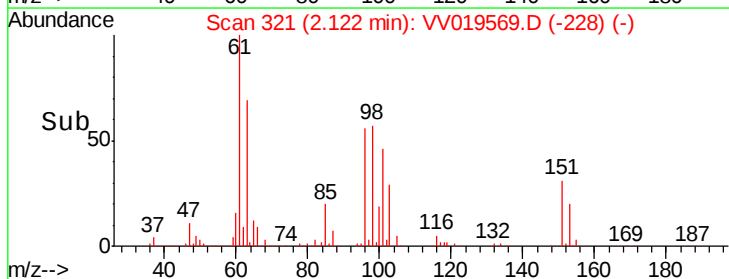
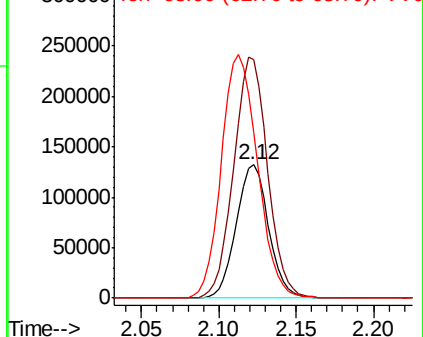
63 124.2 64.3 119.5#

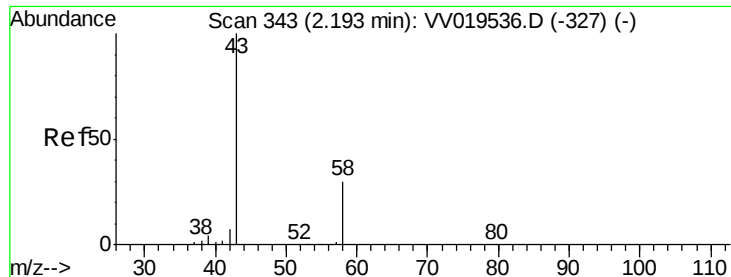


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 110.992 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

Instrument :

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ClientSampleId :

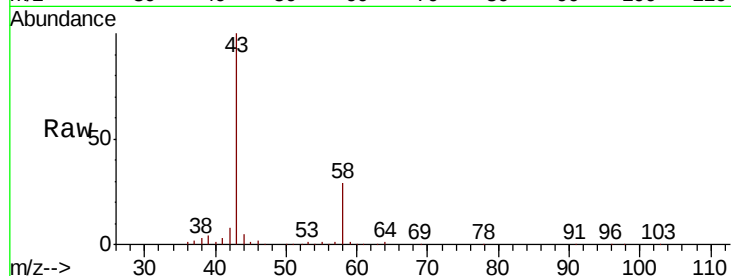
VSTD05085

Tot Ion: 43 Resp: 236562

Ion Ratio Lower Upper

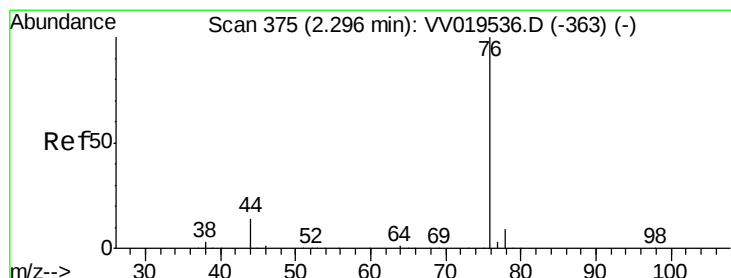
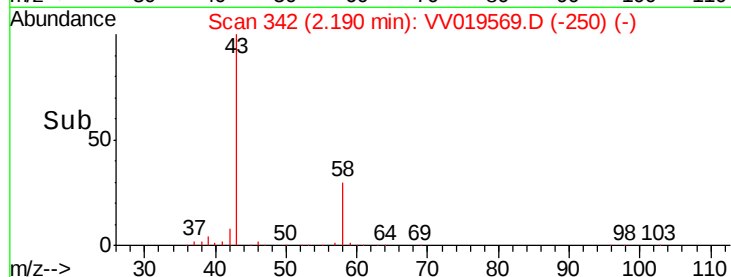
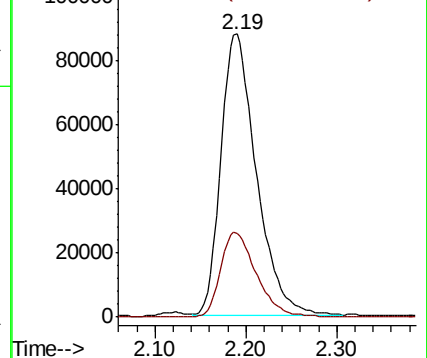
43 100

58 30.3 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 46.383 ug/L

RT: 2.30 min Scan# 376

Delta R.T. 0.00 min

Lab File: VV019569.D

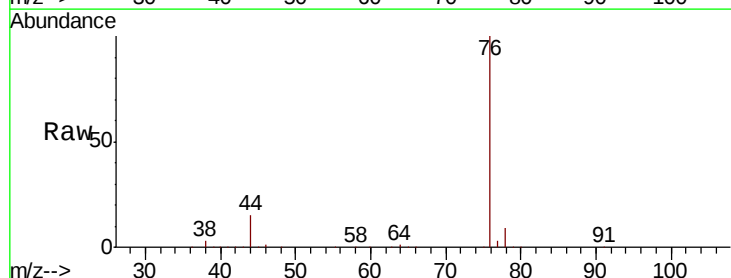
Acq: 12 Dec 2020 20:28

Tgt Ion: 76 Resp: 582800

Ion Ratio Lower Upper

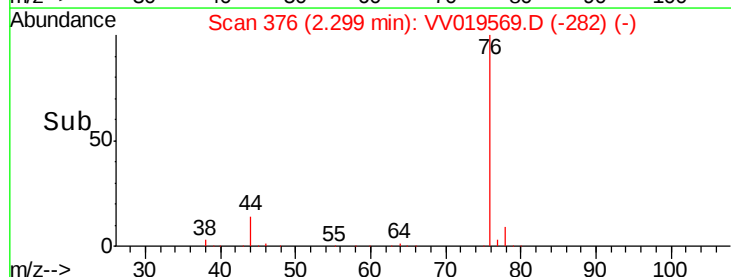
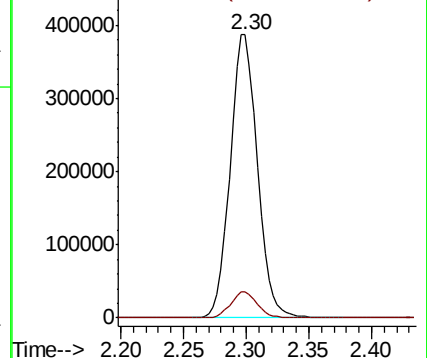
76 100

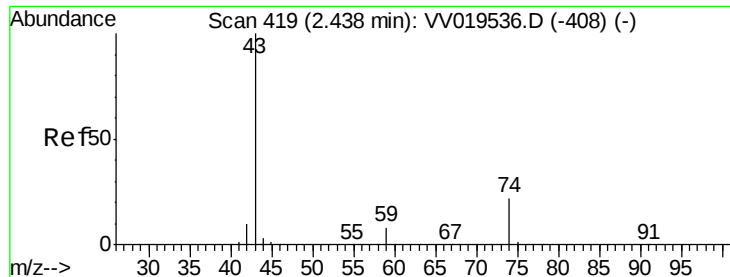
78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 57.698 ug/L

RT: 2.44 min Scan# 419

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

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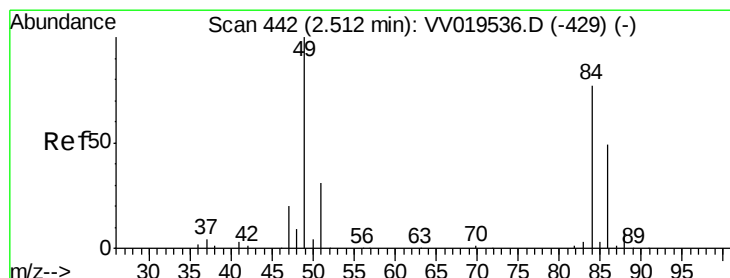
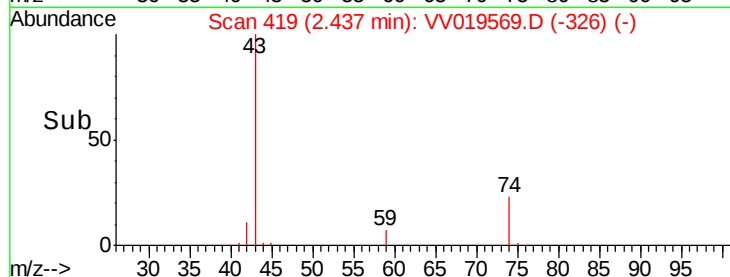
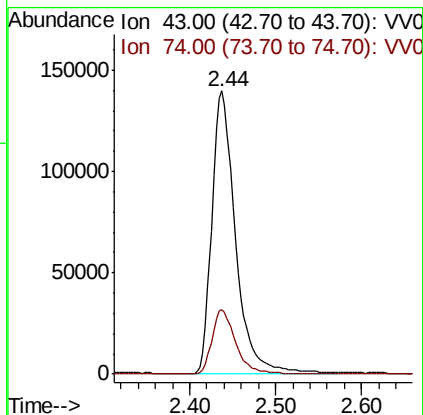
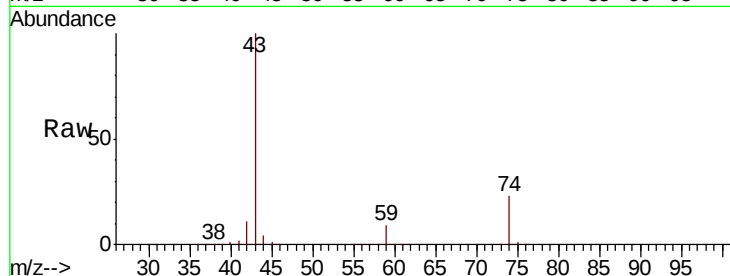
VSTD05085

Tot Ion: 43 Resp: 267925

Ion Ratio Lower Upper

43 100

74 22.8 18.2 27.4



#16

Methylene chloride

Concen: 51.568 ug/L

RT: 2.51 min Scan# 442

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

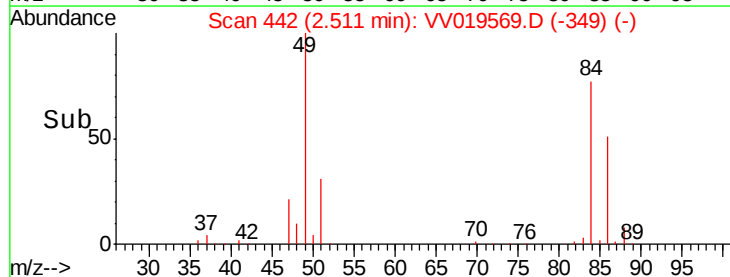
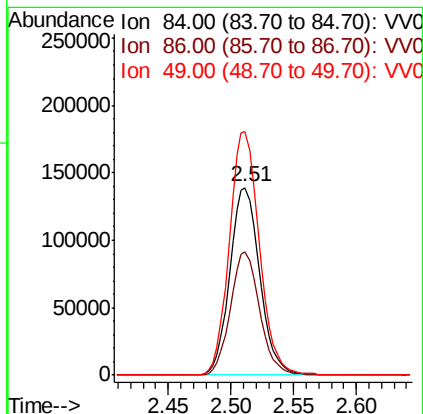
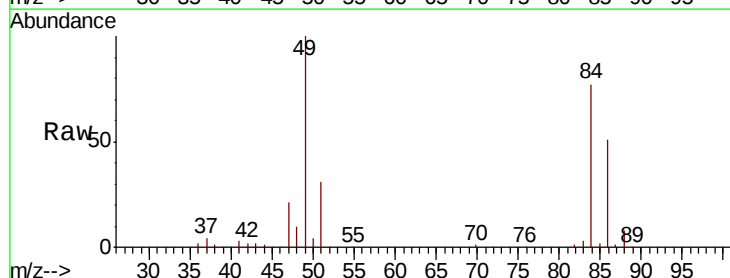
Tgt Ion: 84 Resp: 231206

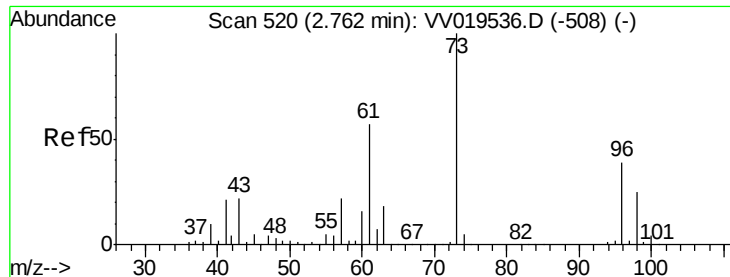
Ion Ratio Lower Upper

84 100

86 65.9 45.7 84.9

49 129.6 90.6 168.3

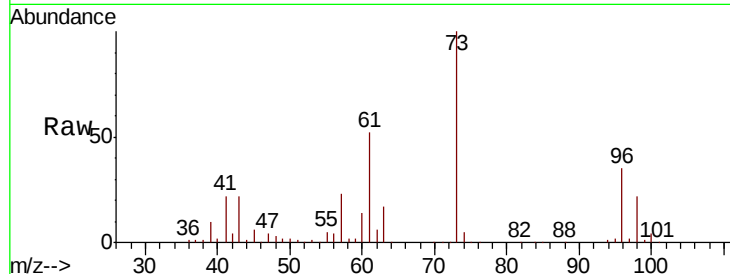




#17
trans-1,2-Dichloroethene
Concen: 50.067 ug/L
RT: 2.77 min Scan# 521
Delta R.T. 0.00 min
Lab File: VV019569.D
Acq: 12 Dec 2020 20:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05085

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.1	103.5	192.1
98	64.2	44.4	82.5

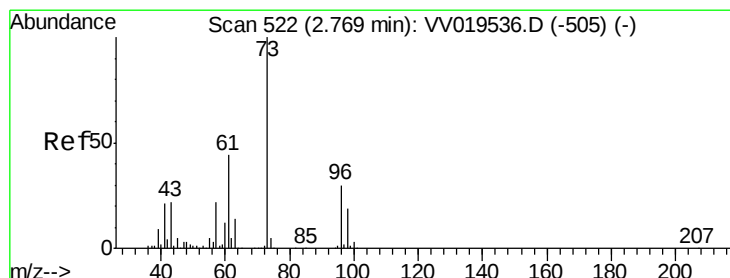
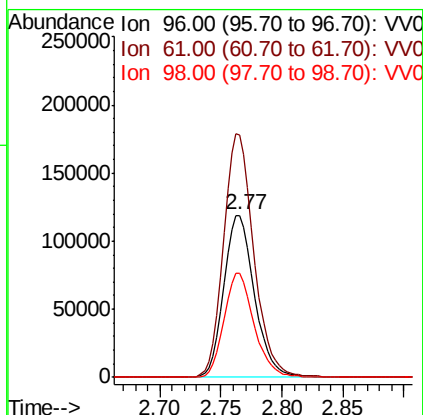
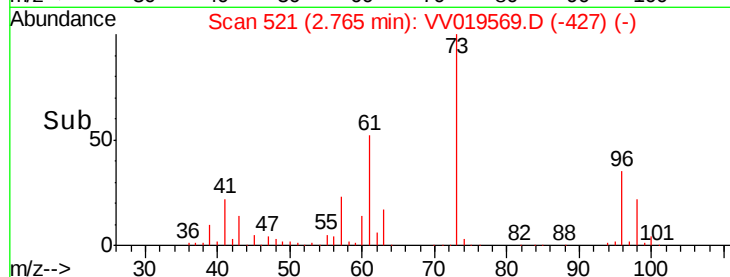


Abundance

Ion 96.00 (95.70 to 96.70): VV0

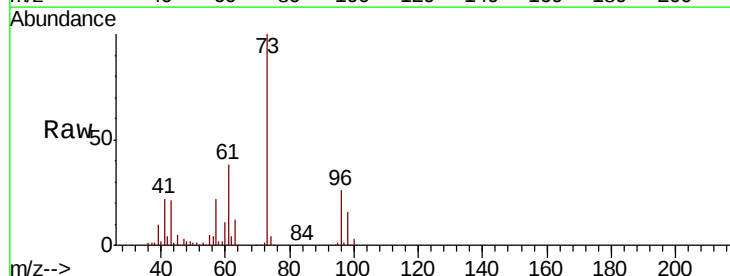
Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18
Methyl tert-butyl Ether
Concen: 52.014 ug/L
RT: 2.77 min Scan# 523
Delta R.T. 0.00 min
Lab File: VV019569.D
Acq: 12 Dec 2020 20:28

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.9	17.3	25.9
57	22.4	17.5	26.3

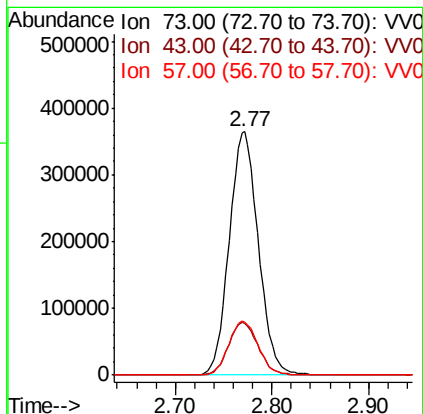
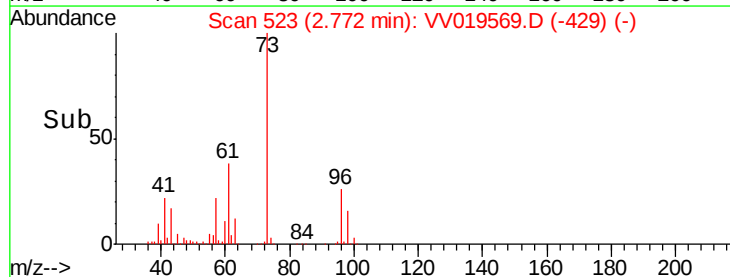


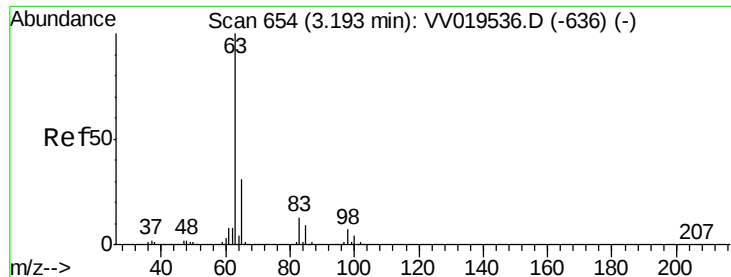
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

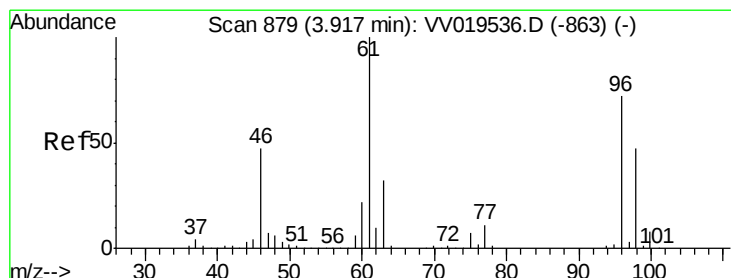
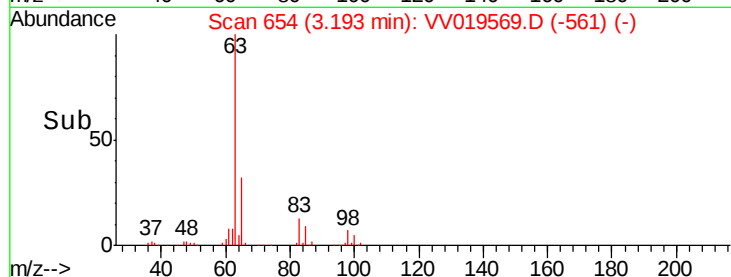
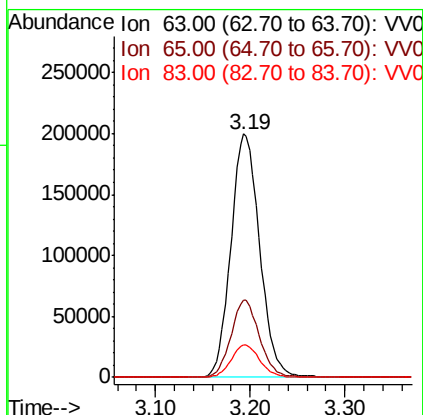
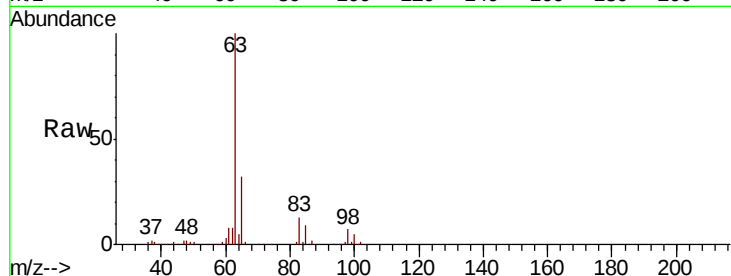




#19
 1,1-Dichloroethane
 Concen: 51.994 ug/L
 RT: 3.19 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VV019569.D
 Acq: 12 Dec 2020 20:28

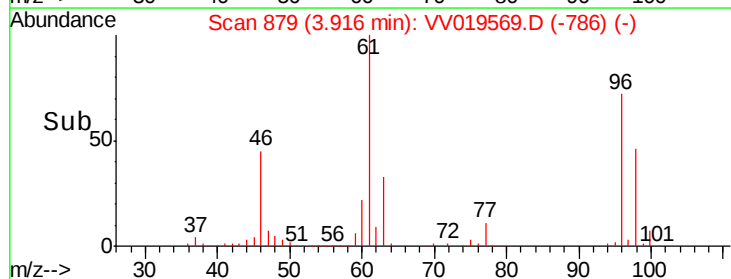
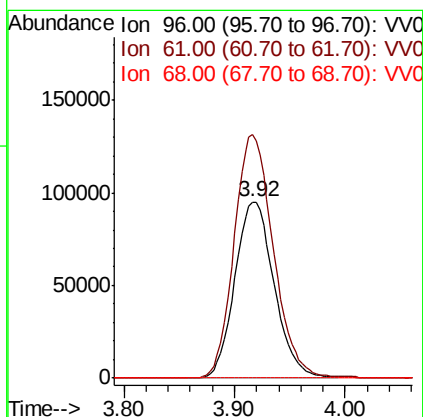
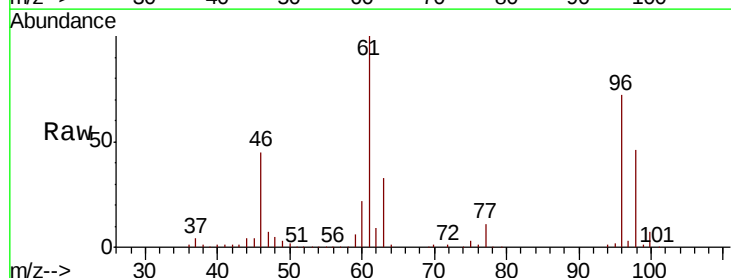
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05085

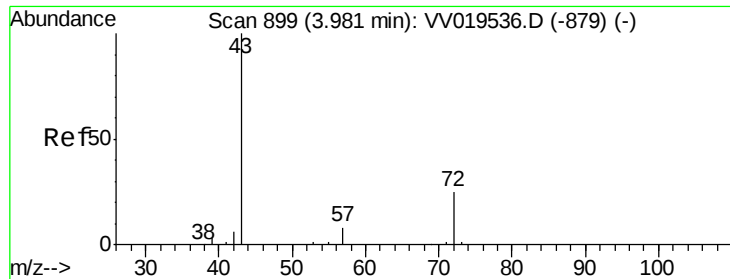
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.4	41.6
83	13.3	9.6	17.8



#20
 cis-1,2-Dichloroethene
 Concen: 50.925 ug/L
 RT: 3.92 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: VV019569.D
 Acq: 12 Dec 2020 20:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.2	94.1	174.8
68	0.0	0.1	0.1#





#22

2-Butanone

Concen: 120.332 ug/L

RT: 3.98 min Scan# 898

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

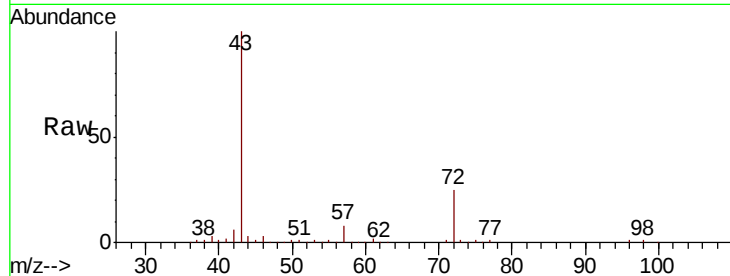
VSTD05085

Tot Ion: 43 Resp: 376203

Ion Ratio Lower Upper

43 100

72 23.2 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV019536.D (-879) (-)

Ion 72.00 (71.70 to 72.70): VV019536.D (-879) (-)

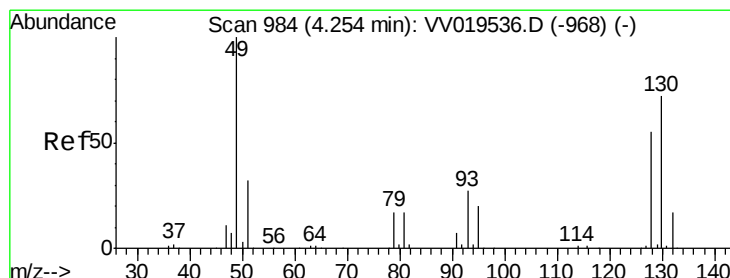
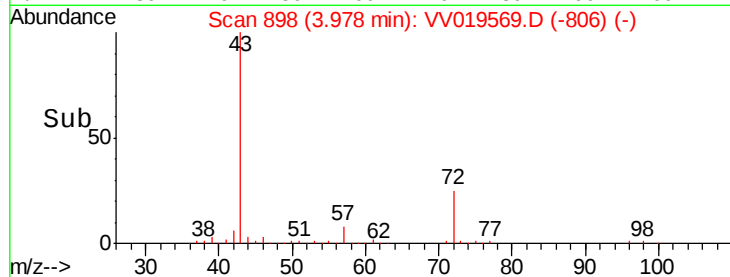
3.98

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 51.259 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

Tgt Ion:128 Resp: 116208

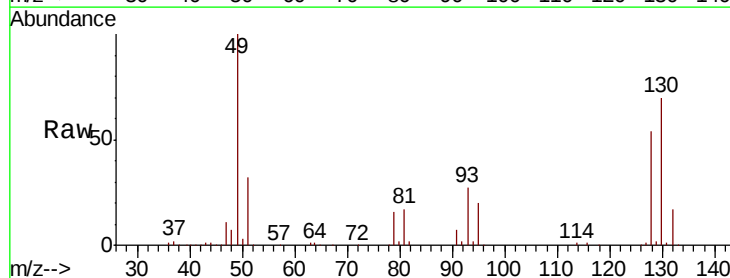
Ion Ratio Lower Upper

128 100

49 185.2 127.0 235.8

130 130.1 90.3 167.7

51 58.8 44.5 66.7



Abundance Ion 128.00 (127.70 to 128.70): VV019536.D (-968) (-)

Ion 49.00 (48.70 to 49.70): VV019536.D (-968) (-)

Ion 130.00 (129.70 to 130.70): VV019536.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VV019536.D (-968) (-)

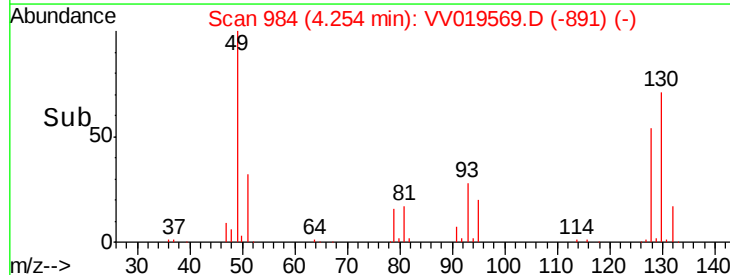
4.25

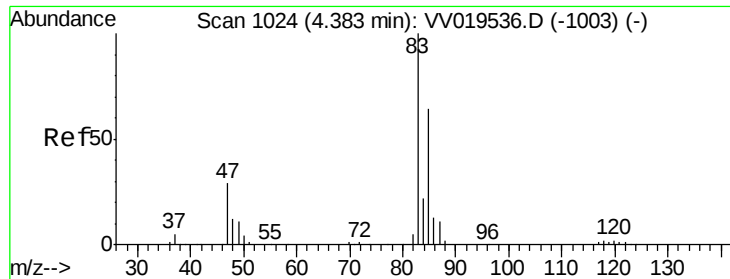
100000

50000

0

Time-->





#25

Chloroform

Concen: 52.153 ug/L

RT: 4.38 min Scan# 1023

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

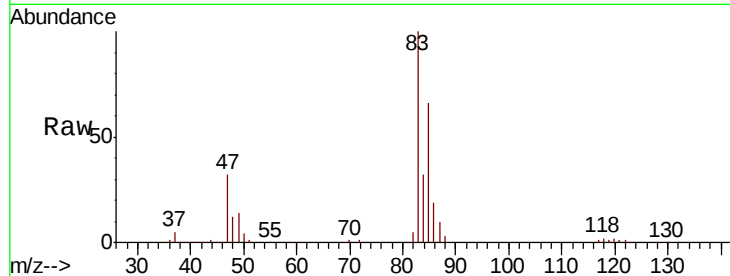
VSTD05085

Tot Ion: 83 Resp: 423256

Ion Ratio Lower Upper

83 100

85 65.6 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VV019536.D (-1003) (-)

Ion 85.00 (84.70 to 85.70): VV019569.D (-931) (-)

4.38

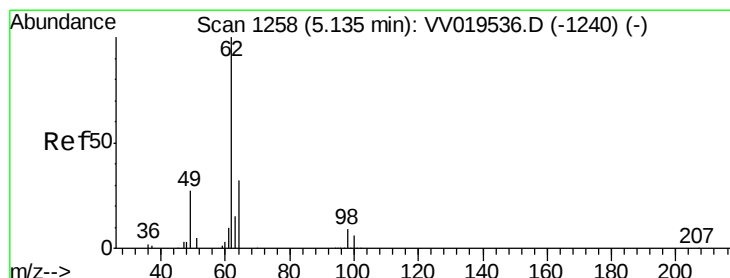
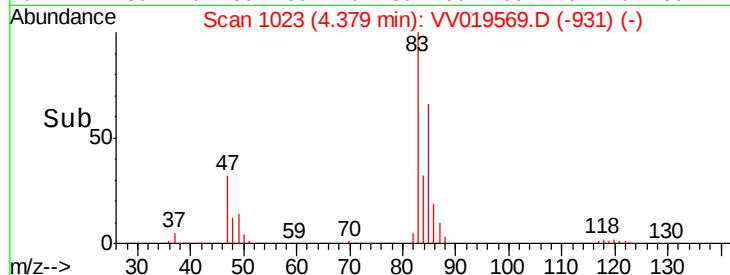
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 52.174 ug/L

RT: 5.14 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VV019569.D

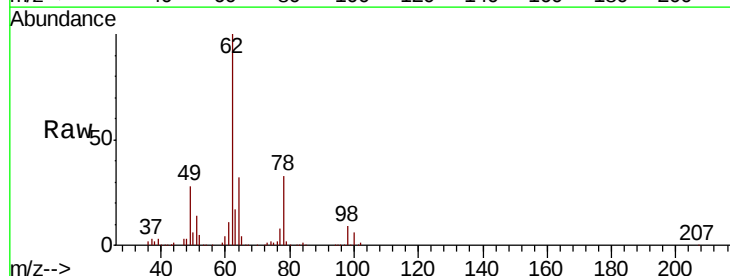
Acq: 12 Dec 2020 20:28

Tgt Ion: 62 Resp: 350788

Ion Ratio Lower Upper

62 100

98 8.6 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VV019536.D (-1240) (-)

Ion 98.00 (97.70 to 98.70): VV019569.D (-1165) (-)

5.14

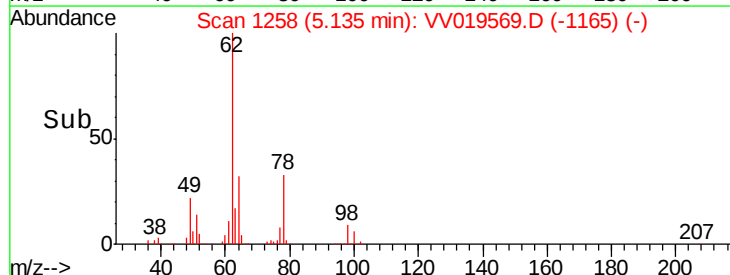
150000

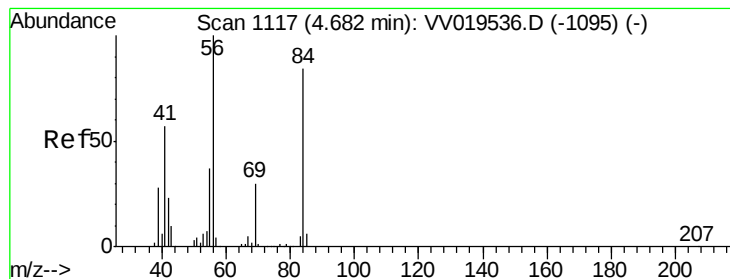
100000

50000

0

Time-->





#29

Cvclohexane

Concen: 47.975 ug/L

RT: 4.68 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05085

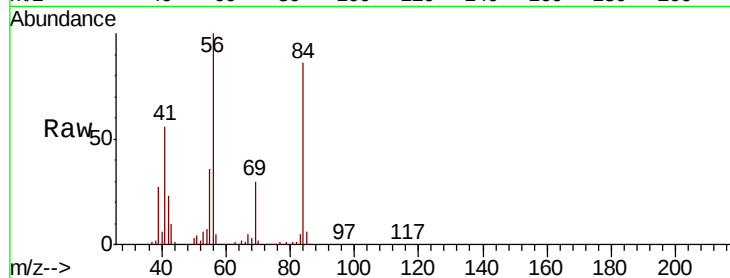
Tot Ion: 56 Resp: 349670

Ion Ratio Lower Upper

56 100

69 30.5 24.6 37.0

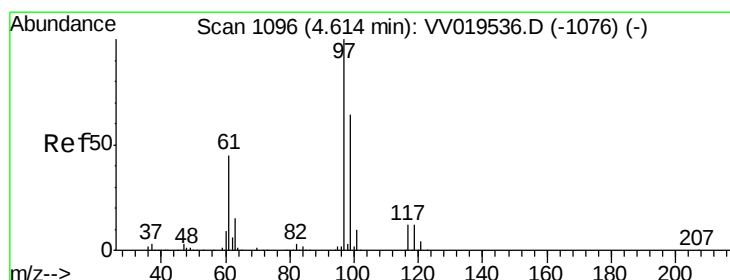
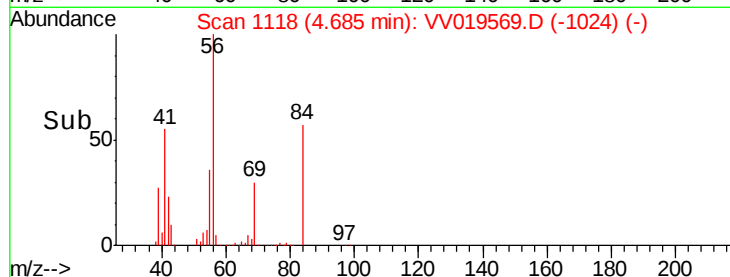
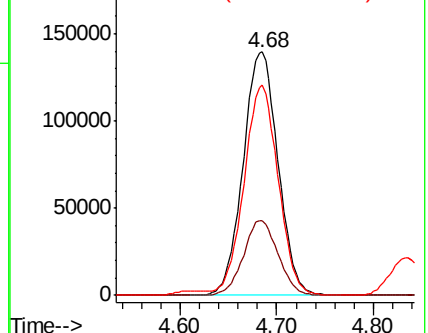
84 84.4 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VV019569.D (-1024) (-)

Ion 69.00 (68.70 to 69.70): VV019569.D (-1024) (-)

Ion 84.00 (83.70 to 84.70): VV019569.D (-1024) (-)



#30

1,1,1-Trichloroethane

Concen: 49.561 ug/L

RT: 4.61 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

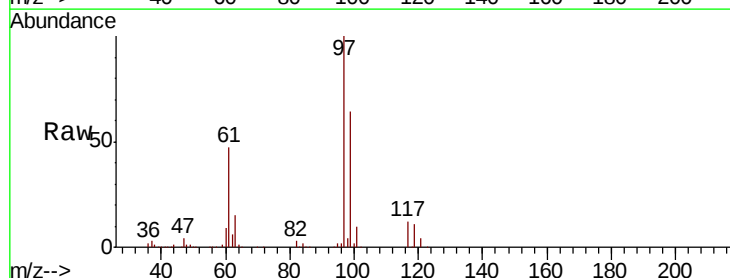
Tgt Ion: 97 Resp: 369562

Ion Ratio Lower Upper

97 100

99 63.9 51.3 76.9

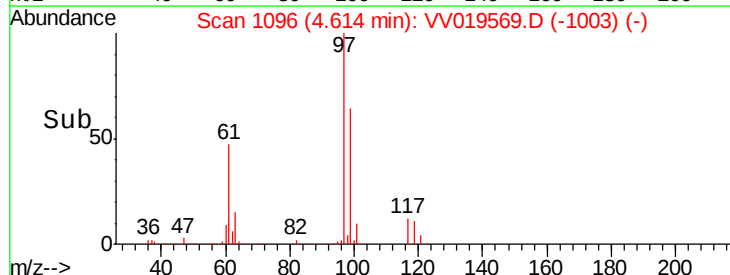
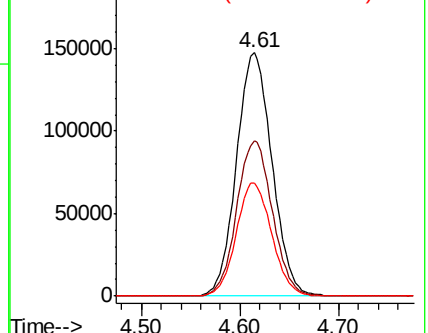
61 46.4 36.3 54.5

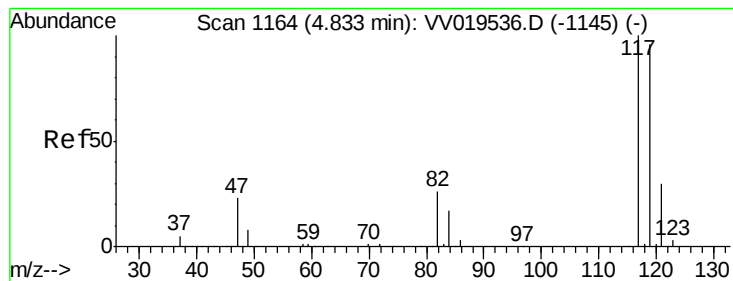


Abundance Ion 97.00 (96.70 to 97.70): VV019569.D (-1003) (-)

Ion 99.00 (98.70 to 99.70): VV019569.D (-1003) (-)

Ion 61.05 (60.75 to 61.75): VV019569.D (-1003) (-)





#31

Carbon tetrachloride

Concen: 47.585 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

Instrument :

MSVOA_V

ClientSampled :

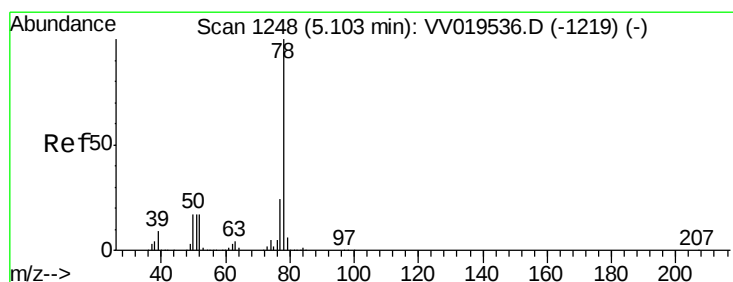
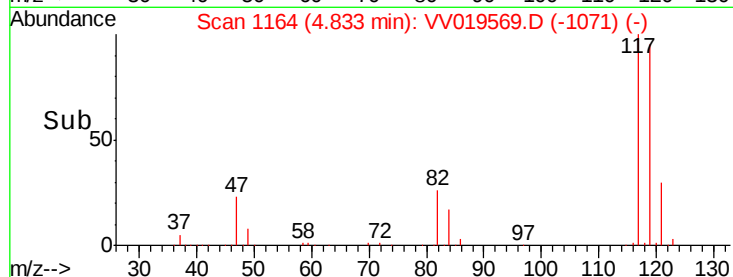
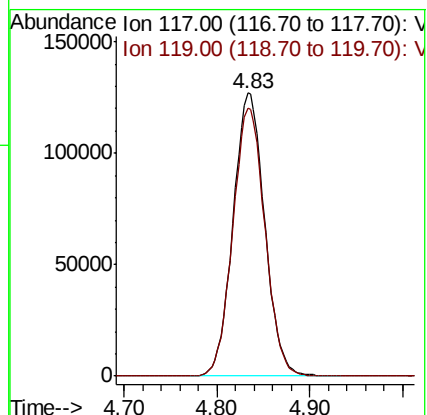
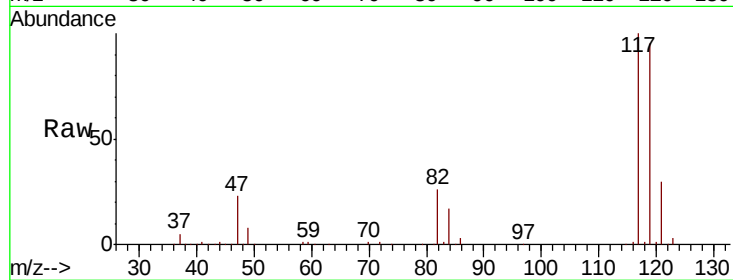
VSTD05085

Tot Ion:117 Resp: 299538

Ion Ratio Lower Upper

117 100

119 96.4 75.7 113.5



#33

Benzene

Concen: 51.406 ug/L

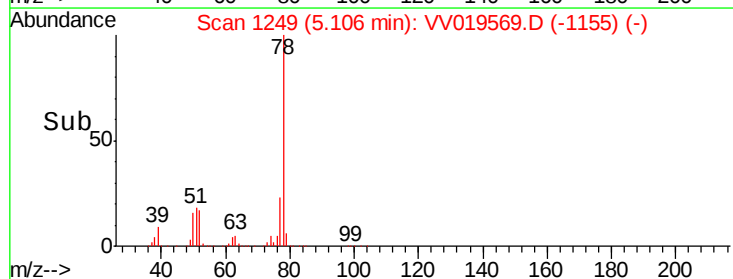
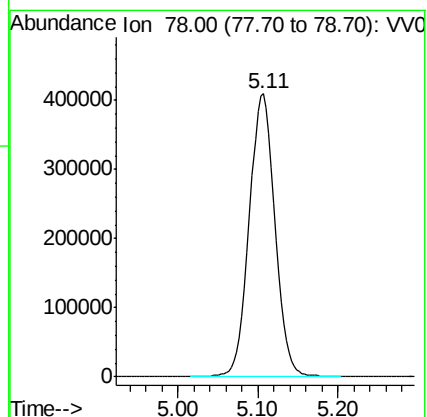
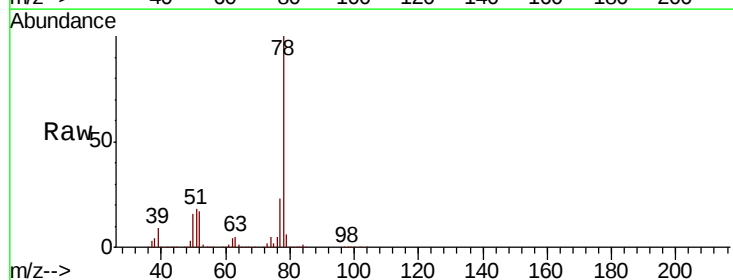
RT: 5.11 min Scan# 1249

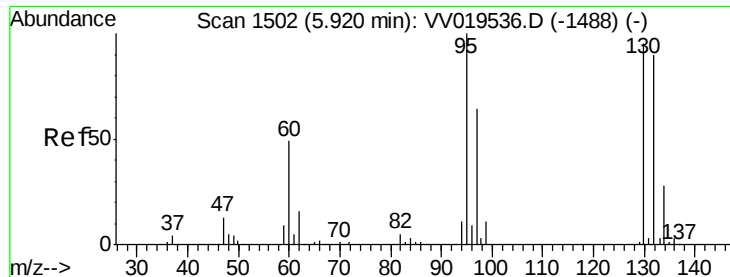
Delta R.T. 0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

Tgt Ion: 78 Resp: 893463





#34

Trichloroethene

Concen: 49.799 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05085

Tot Ion: 95 Resp: 228637

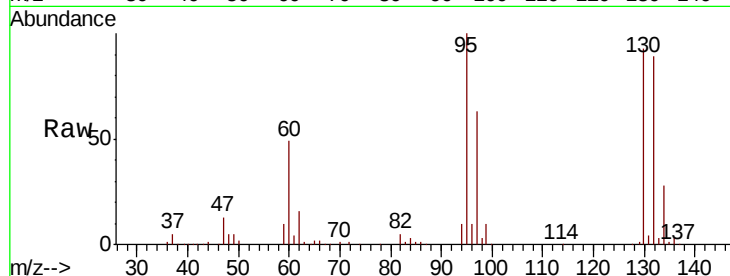
Ion Ratio Lower Upper

95 100

97 62.8 44.4 82.4

132 88.9 64.3 119.3

130 93.4 67.8 125.8

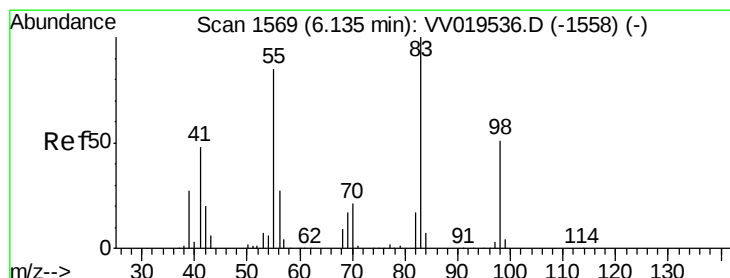
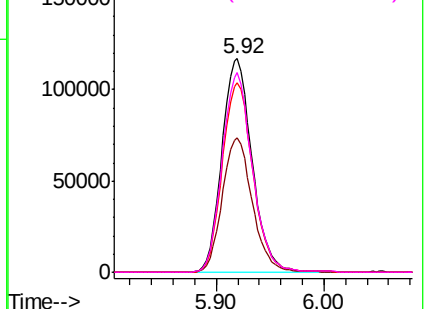
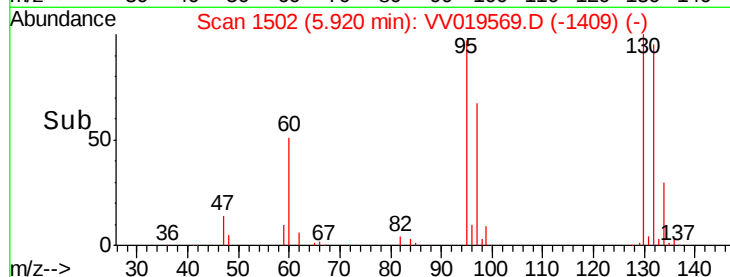


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 48.214 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

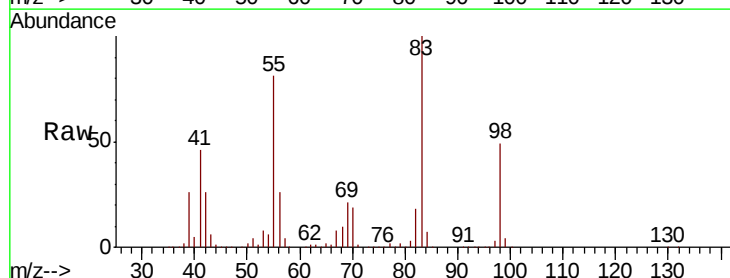
Tgt Ion: 83 Resp: 336288

Ion Ratio Lower Upper

83 100

55 81.1 64.2 96.4

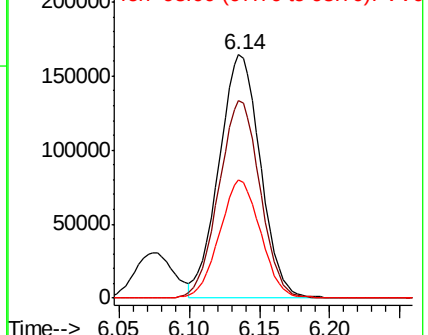
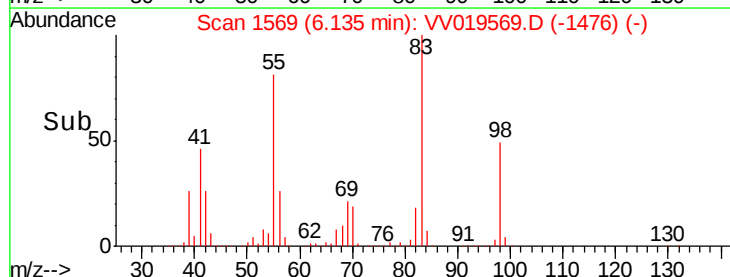
98 48.2 39.3 58.9

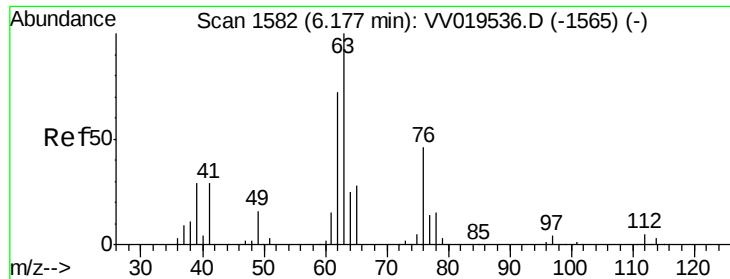


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 53.140 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

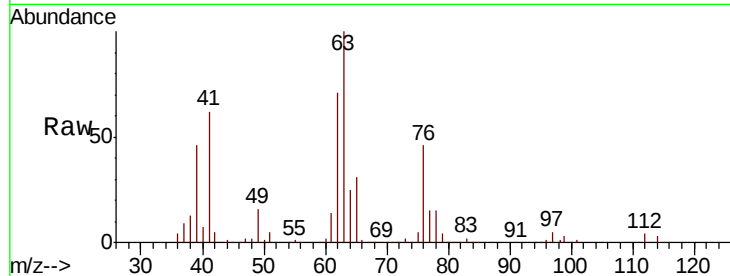
VSTD05085

Tot Ion: 63 Resp: 241195

Ion Ratio Lower Upper

63 100

112 4.2 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV019536.D (-1565) (-)

Ion 112.00 (111.70 to 112.70): VV019536.D (-1565) (-)

6.18

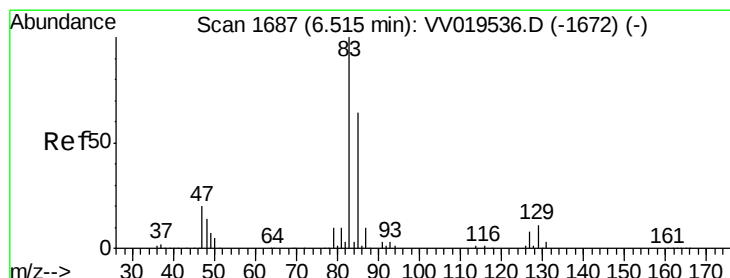
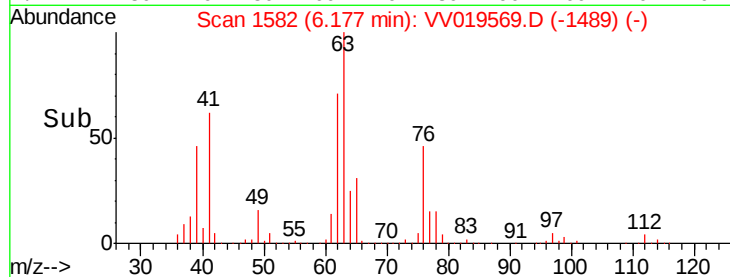
100000

50000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 50.504 ug/L

RT: 6.51 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

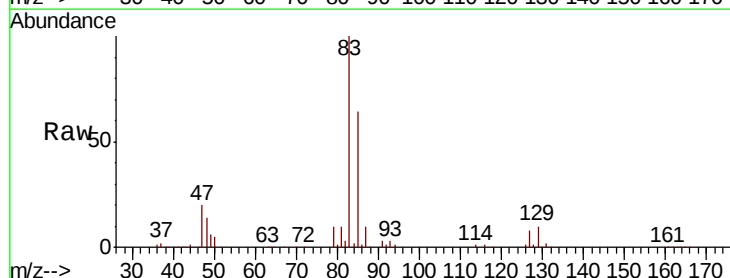
Tgt Ion: 83 Resp: 320540

Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.5

127 7.7 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV019536.D (-1672) (-)

Ion 85.00 (84.70 to 85.70): VV019536.D (-1672) (-)

Ion 127.00 (126.70 to 127.70): VV019536.D (-1672) (-)

6.51

200000

150000

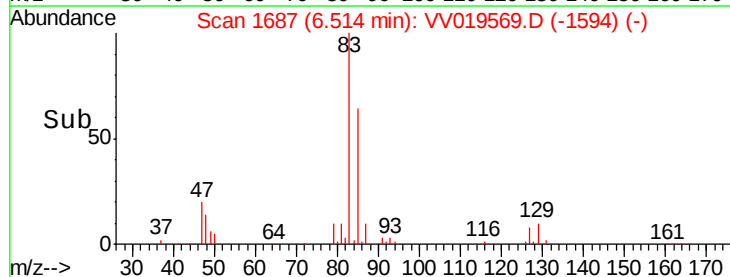
100000

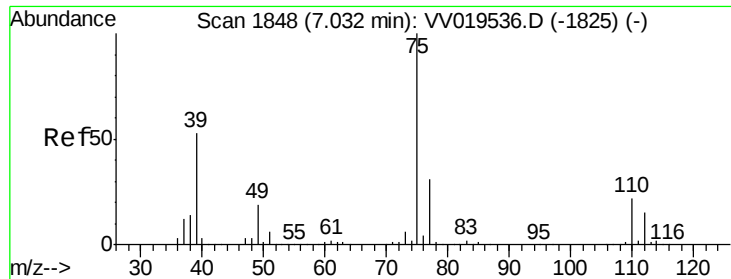
50000

0

6.40 6.50 6.60

Time-->

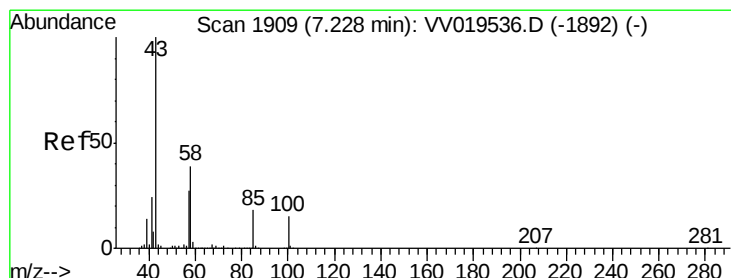
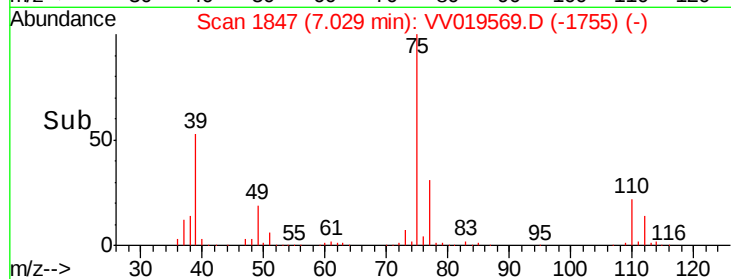
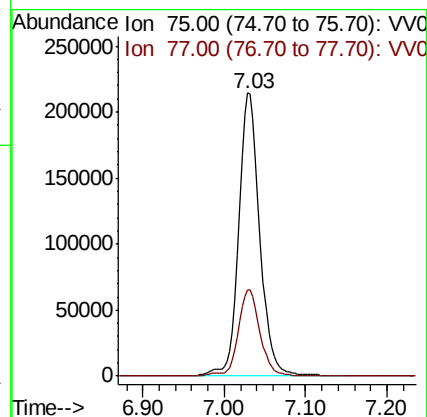
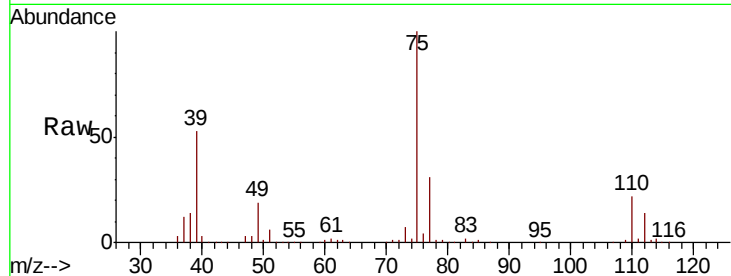




#39
 cis-1,3-Dichloropropene
 Concen: 51.549 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: VV019569.D
 Acq: 12 Dec 2020 20:28

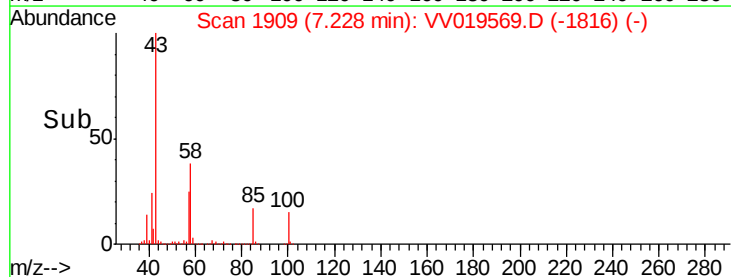
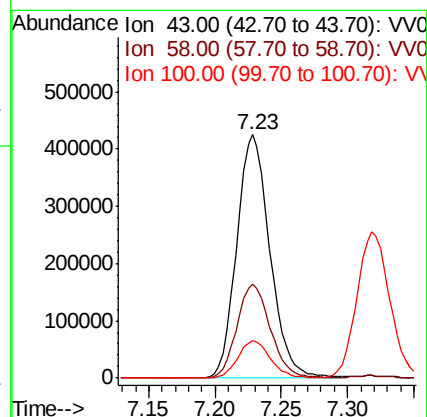
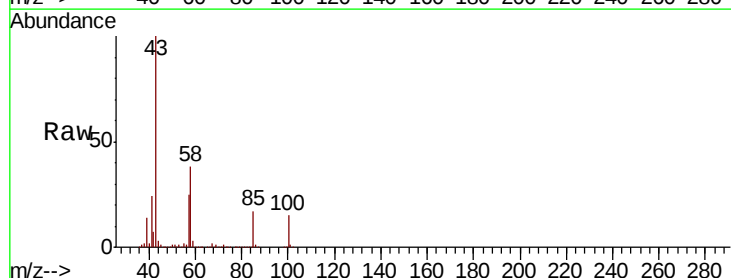
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05085

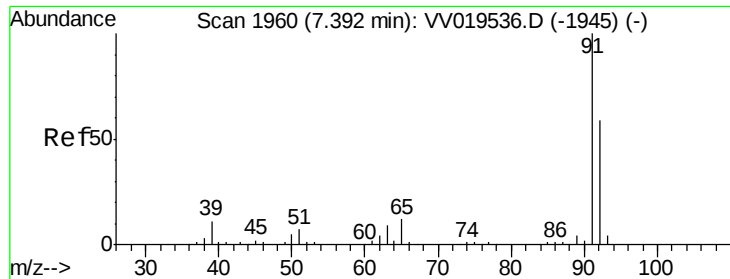
Tot Ion: 75 Resp: 388593
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 112.803 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VV019569.D
 Acq: 12 Dec 2020 20:28

Tgt Ion: 43 Resp: 738669
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.7 47.5
 100 15.1 12.5 18.7





#42

Toluene

Concen: 49.990 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

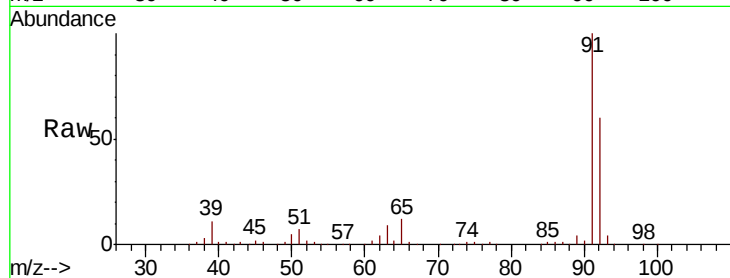
VSTD05085

Tot Ion: 91 Resp: 915727

Ion Ratio Lower Upper

91 100

92 59.8 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV019536.D (-1945) (-)

Ion 92.00 (91.70 to 92.70): VV019536.D (-1945) (-)

7.39

600000

500000

400000

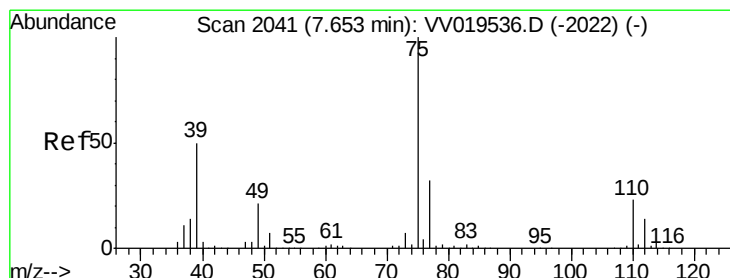
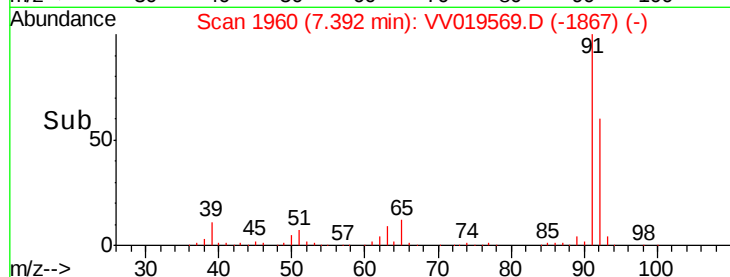
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.645 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. -0.00 min

Lab File: VV019569.D

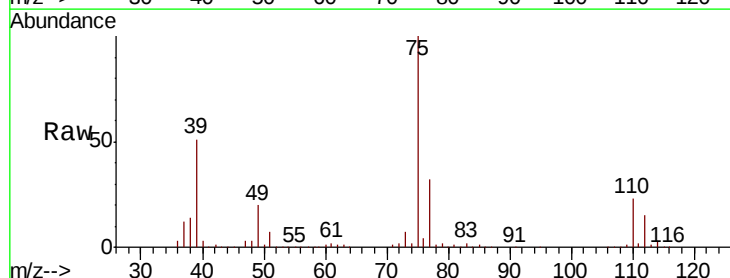
Acq: 12 Dec 2020 20:28

Tgt Ion: 75 Resp: 378941

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV019536.D (-2022) (-)

Ion 77.00 (76.70 to 77.70): VV019536.D (-2022) (-)

7.65

250000

200000

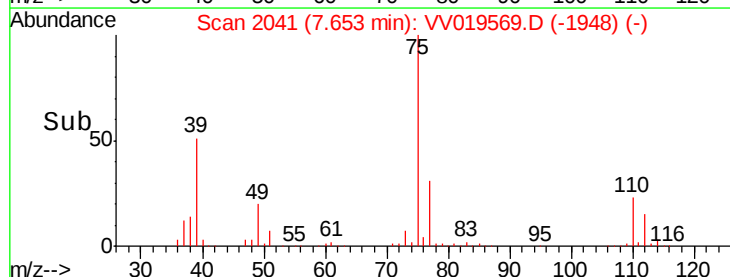
150000

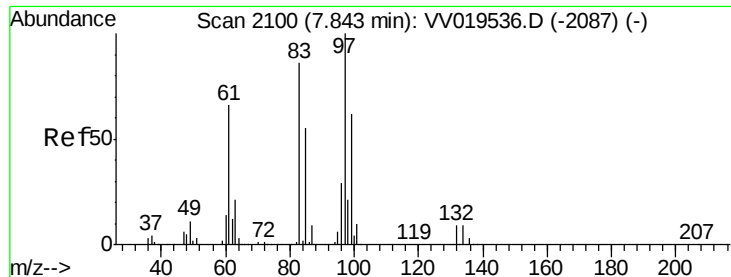
100000

50000

0

Time-->

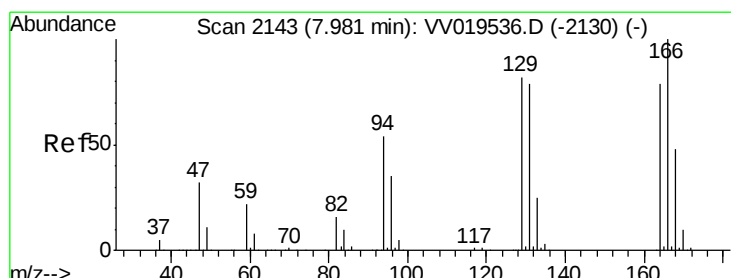
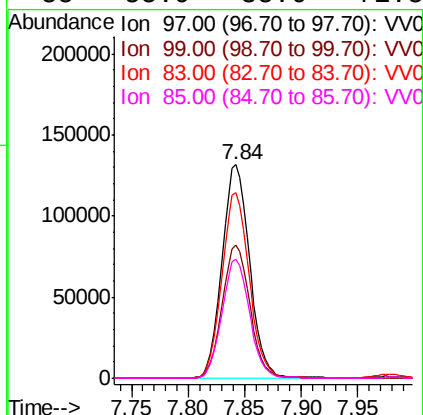
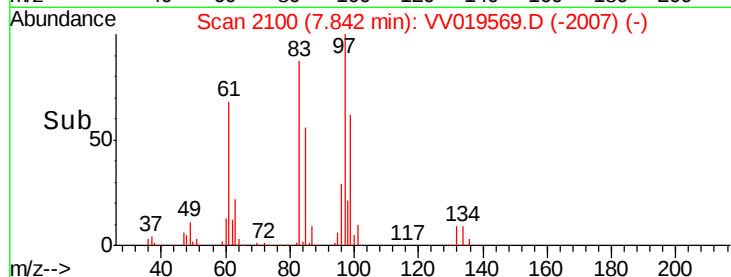
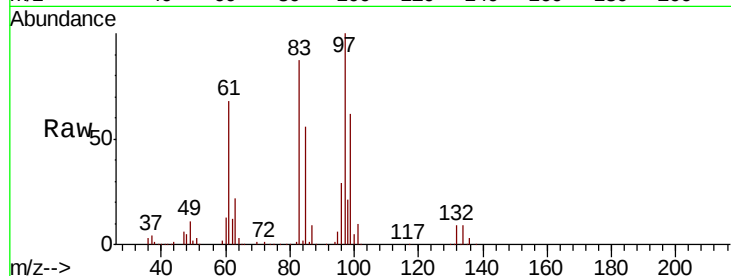




#45
1,1,2-Trichloroethane
Concen: 51.920 ug/L
RT: 7.84 min Scan# 2100
Delta R.T. -0.00 min
Lab File: VV019569.D
Acq: 12 Dec 2020 20:28

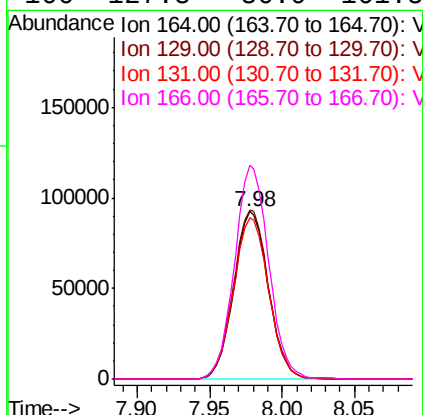
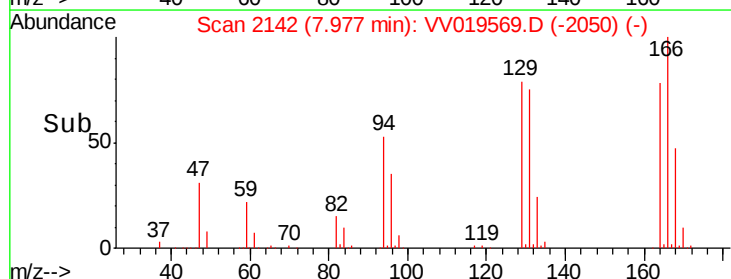
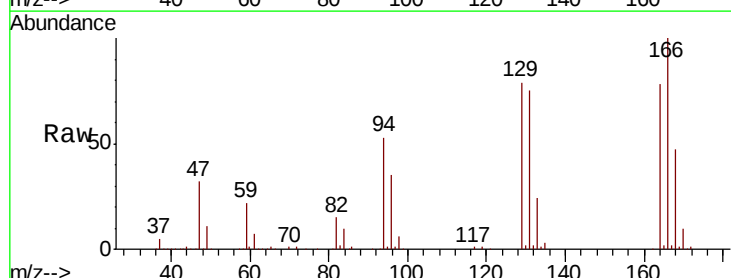
Instrument :
MSVOA_V
ClientSampleId :
VSTD05085

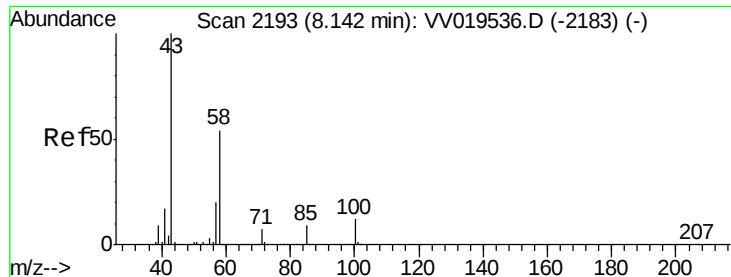
Tot Ion:	97	Resp:	223786
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.1	81.9
83	87.0	60.0	111.4
85	55.9	38.6	71.8



#46
Tetrachloroethene
Concen: 48.048 ug/L
RT: 7.98 min Scan# 2142
Delta R.T. -0.00 min
Lab File: VV019569.D
Acq: 12 Dec 2020 20:28

Tgt Ion:	164	Resp:	152646
Ion	Ratio	Lower	Upper
164	100		
129	101.4	70.6	131.0
131	96.3	68.0	126.4
166	127.8	86.9	161.5

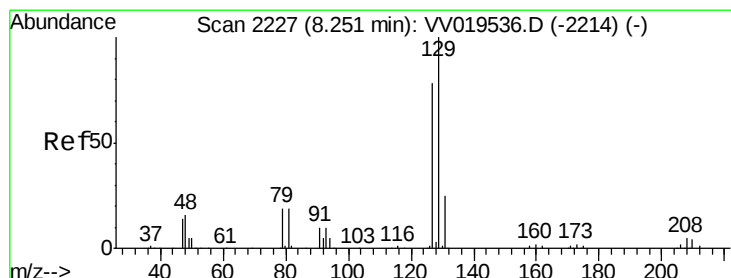
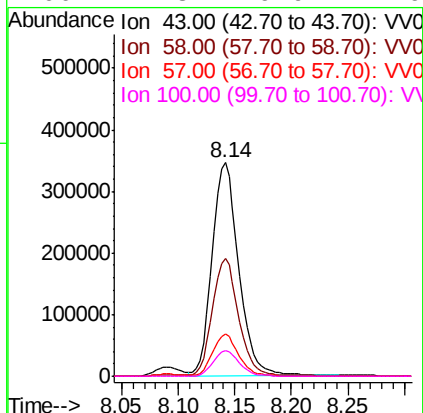
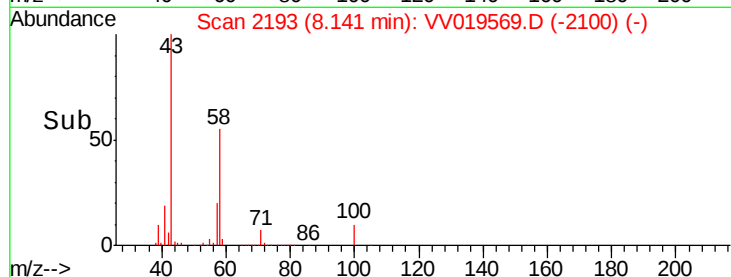
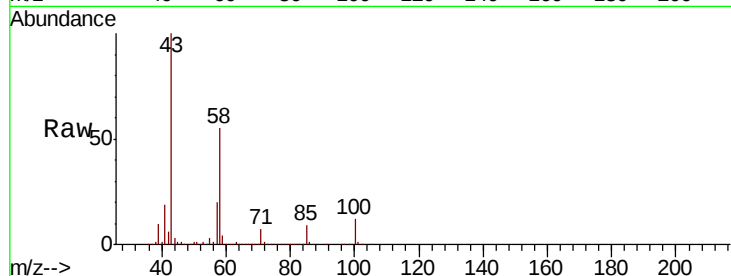




#48
2-Hexanone
Concen: 113.121 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VV019569.D
Acq: 12 Dec 2020 20:28

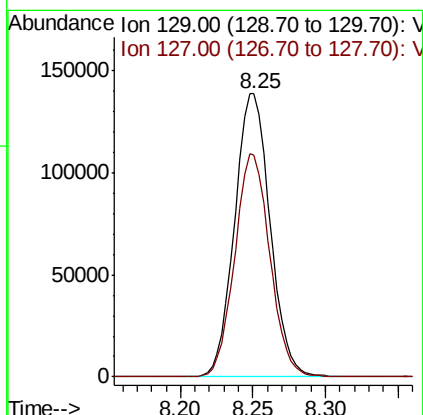
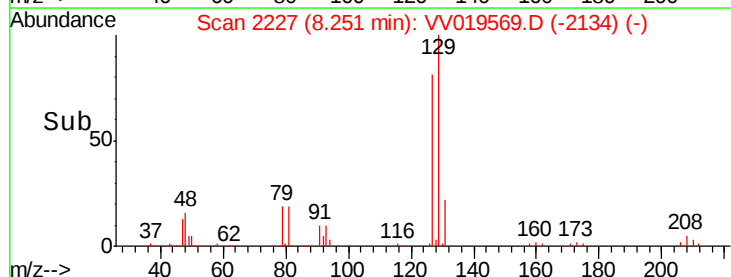
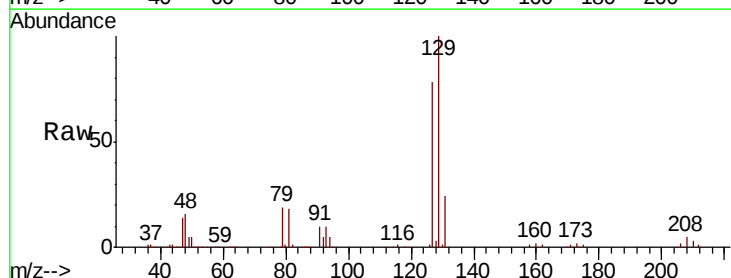
Instrument :
MSVOA_V
ClientSampleId :
VSTD05085

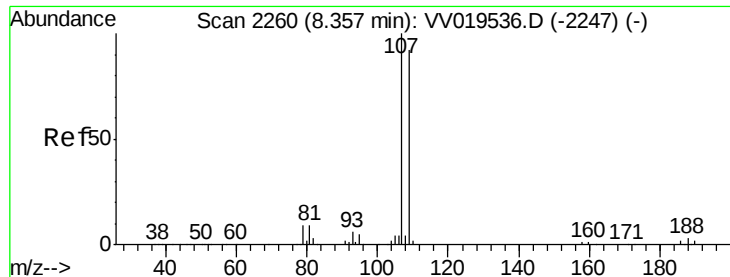
Tot Ion	Ratio	Lower	Upper
43	100		
58	54.4	44.4	66.6
57	19.5	15.7	23.5
100	12.3	9.9	14.9



#49
Dibromochloromethane
Concen: 50.082 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. -0.00 min
Lab File: VV019569.D
Acq: 12 Dec 2020 20:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	54.2	100.6

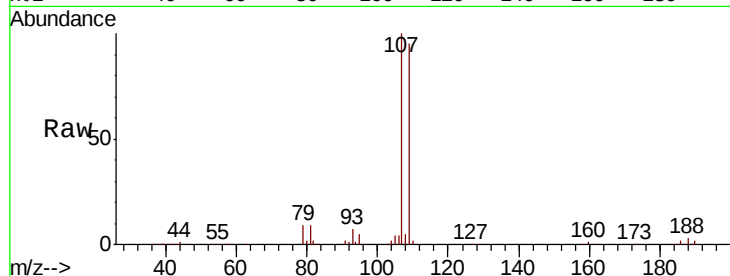




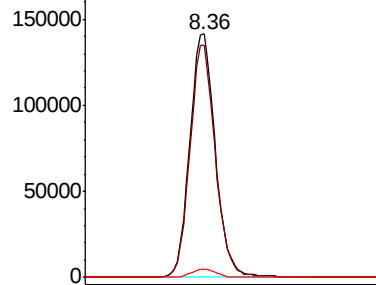
#50
1,2-Dibromoethane
Concen: 52.212 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VV019569.D
Acq: 12 Dec 2020 20:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05085

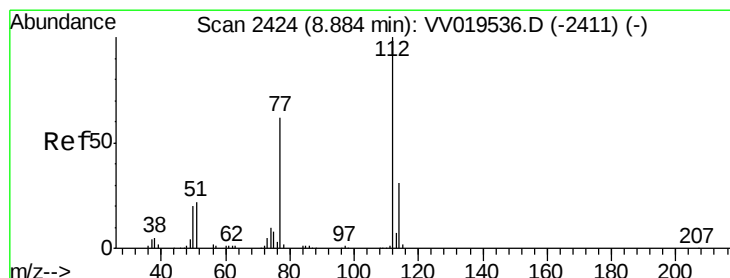
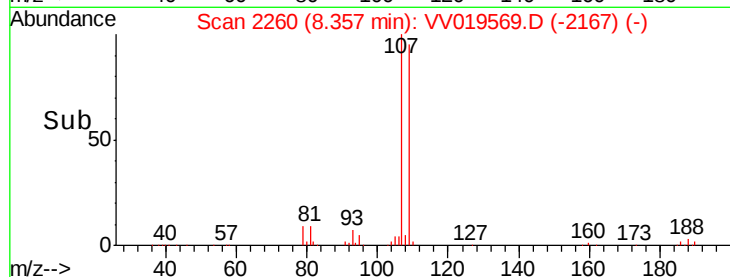
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	66.4	123.2
188	3.3	2.9	4.3



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

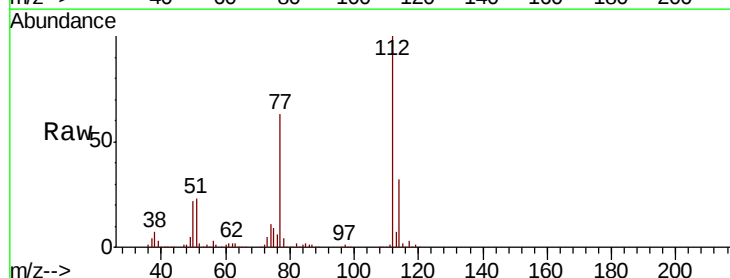


Time-->

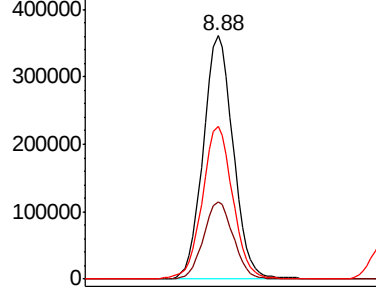


#51
Chlorobenzene
Concen: 49.824 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. -0.00 min
Lab File: VV019569.D
Acq: 12 Dec 2020 20:28

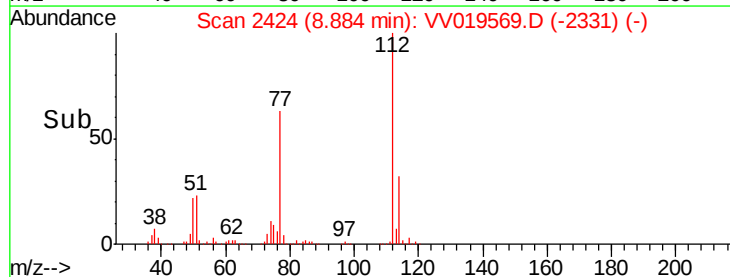
Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.2	41.2
77	62.8	50.6	75.8

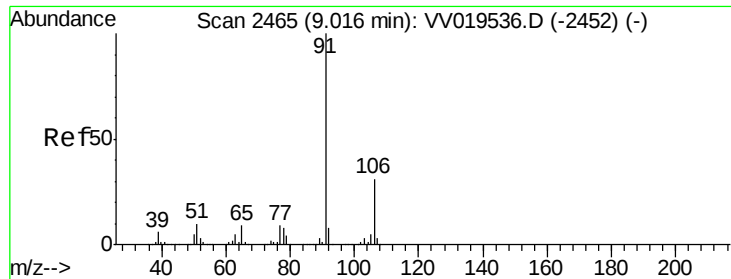


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



Time-->





#52

Ethylbenzene

Concen: 49.121 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

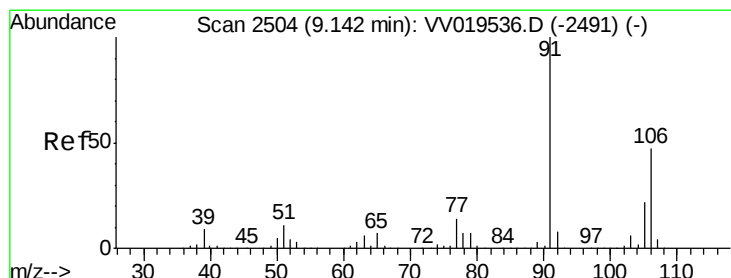
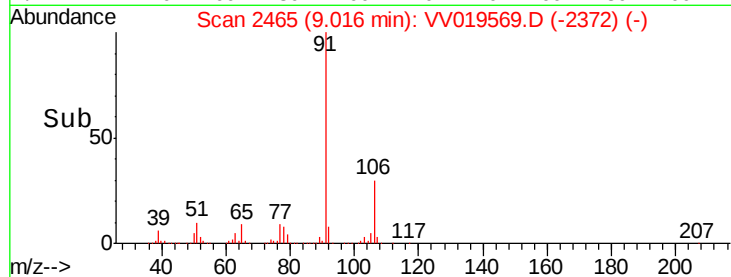
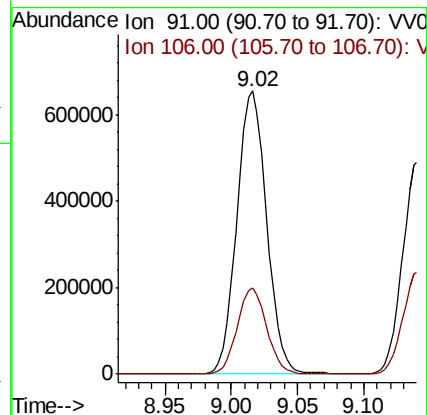
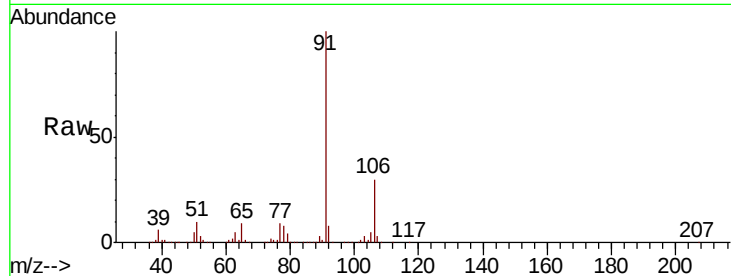
VSTD05085

Tot Ion: 91 Resp: 1025185

Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.3



#53

m,p-Xylene

Concen: 48.920 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VV019569.D

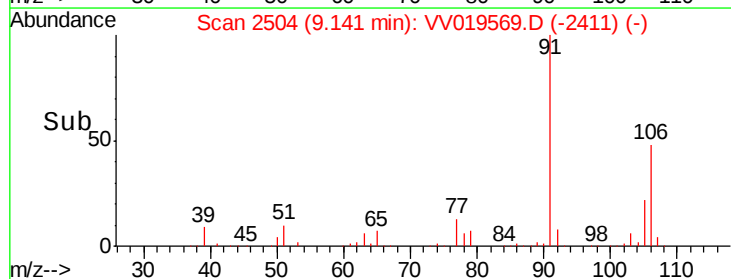
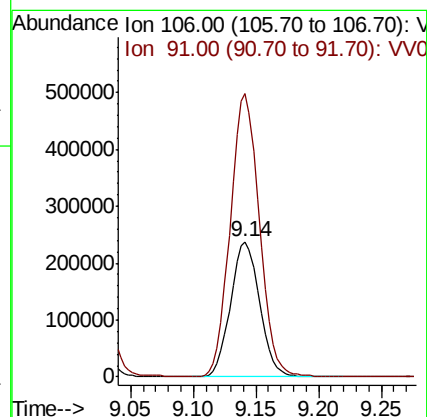
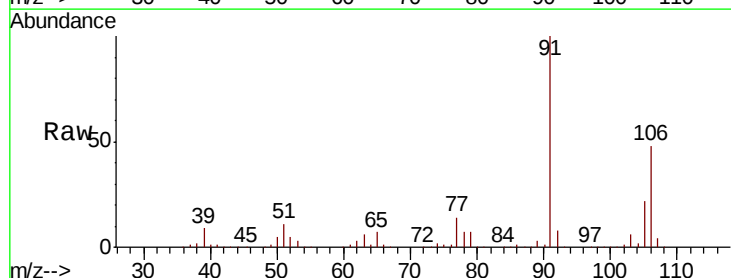
Acq: 12 Dec 2020 20:28

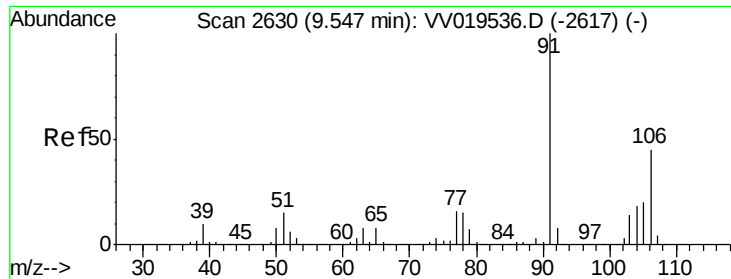
Tgt Ion: 106 Resp: 381441

Ion Ratio Lower Upper

106 100

91 209.0 147.7 274.3

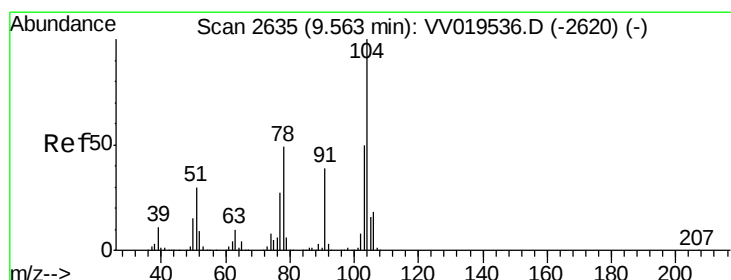
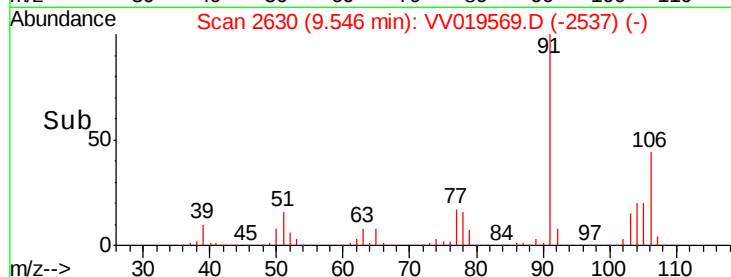
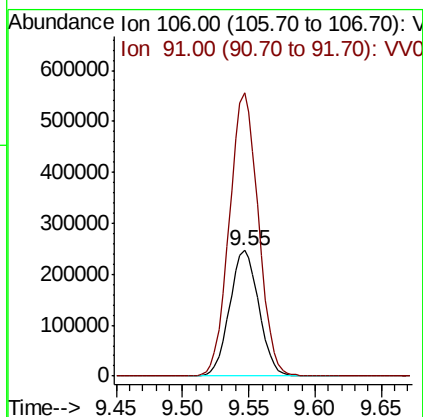
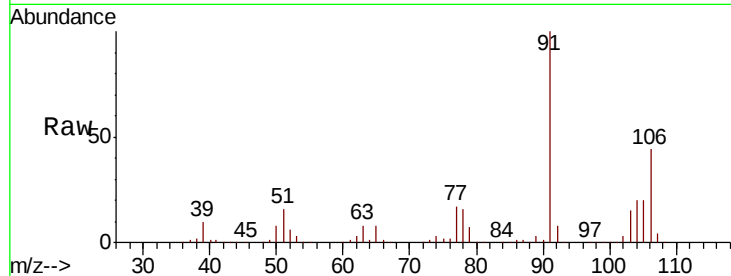




#54
o-xylene
Concen: 49.471 ug/L
RT: 9.55 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VV019569.D
Acq: 12 Dec 2020 20:28

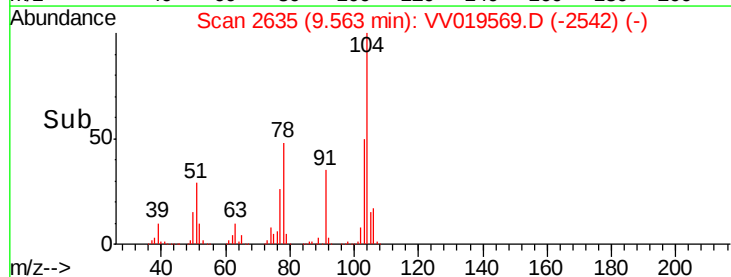
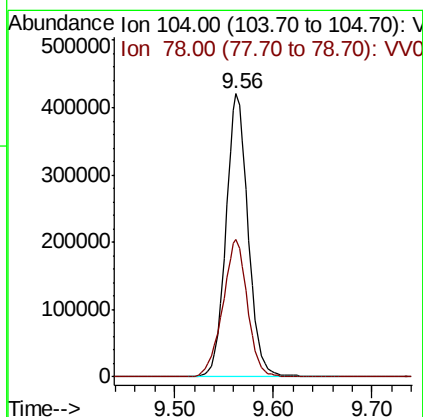
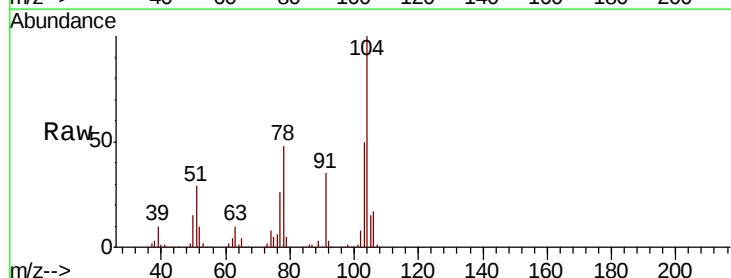
Instrument :
MSVOA_V
ClientSampleId :
VSTD05085

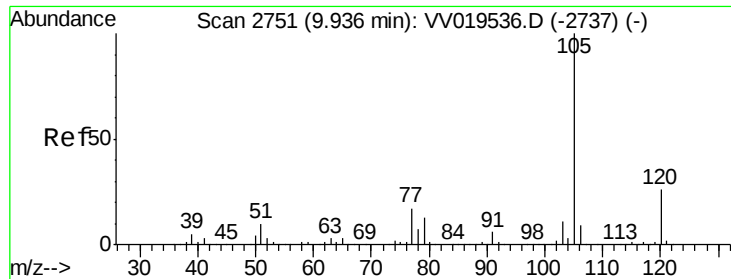
Tot Ion:106 Resp: 378087
Ion Ratio Lower Upper
106 100
91 224.8 156.7 291.1



#55
Styrene
Concen: 49.829 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV019569.D
Acq: 12 Dec 2020 20:28

Tgt Ion:104 Resp: 663725
Ion Ratio Lower Upper
104 100
78 48.4 33.7 62.7





#56

Isopropylbenzene

Concen: 48.753 ug/L

RT: 9.93 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05085

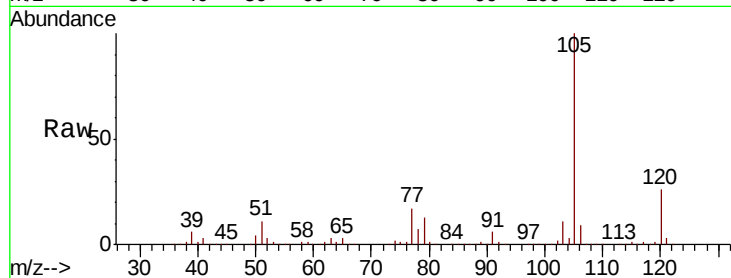
Tot Ion:105 Resp: 992645

Ion Ratio Lower Upper

105 100

120 25.5 20.6 31.0

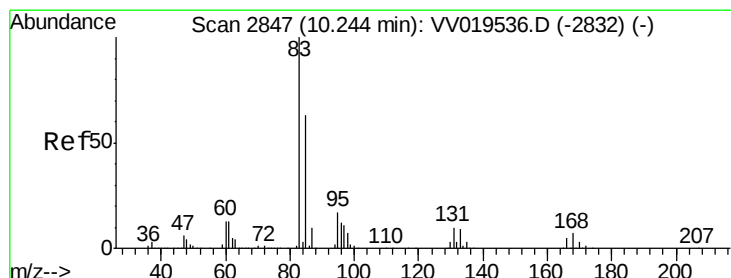
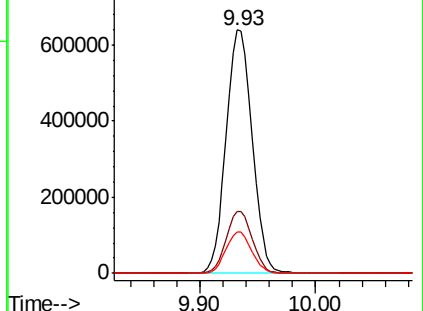
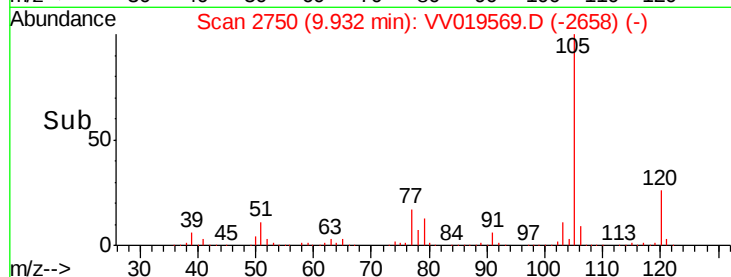
77 16.8 13.2 19.8



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: 52.936 ug/L

RT: 10.24 min Scan# 2847

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

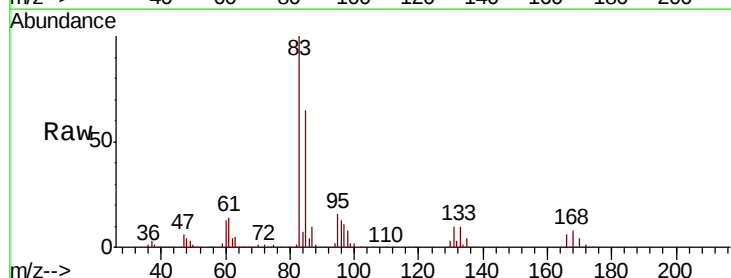
Tgt Ion: 83 Resp: 366922

Ion Ratio Lower Upper

83 100

85 64.6 44.9 83.5

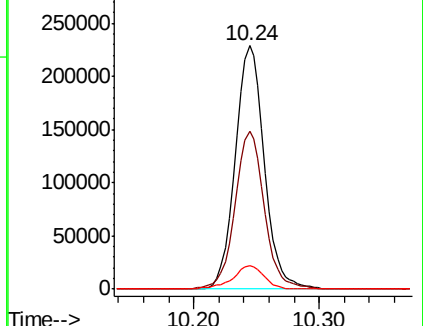
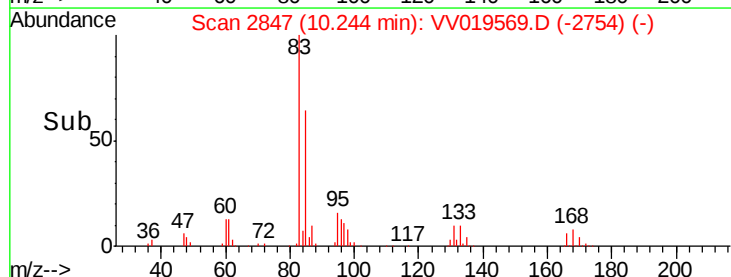
131 9.5 7.6 11.4

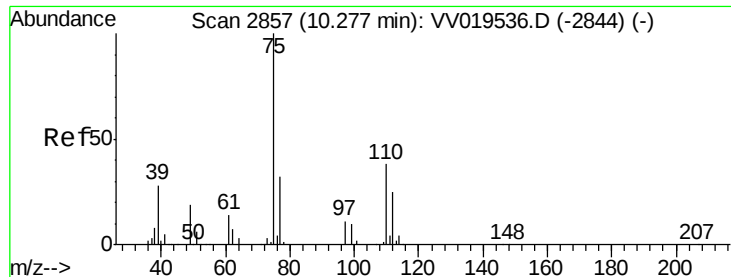


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 54.801 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

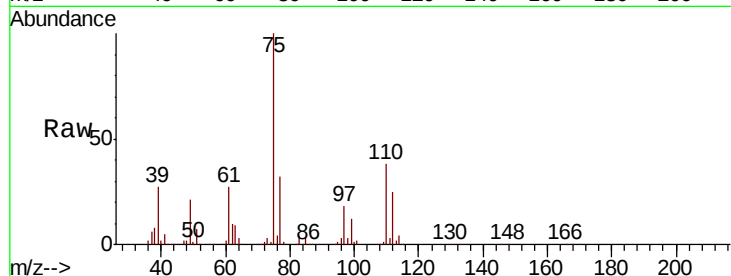
VSTD05085

Tot Ion: 75 Resp: 309384

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV019536.D (-2844) (-)

Ion 77.00 (76.70 to 77.70): VV019536.D (-2844) (-)

10.28

200000

150000

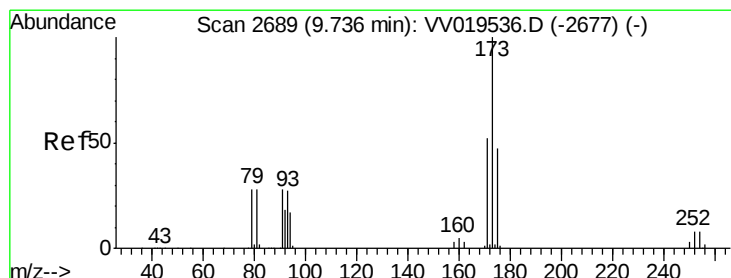
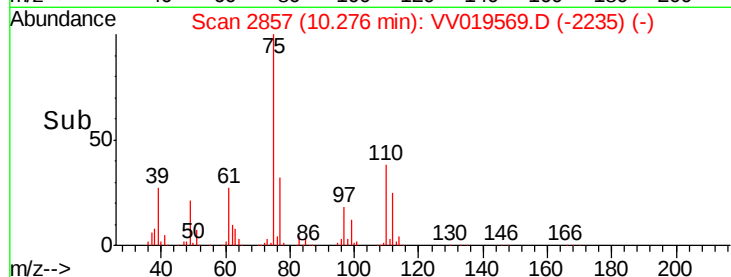
100000

50000

0

Time-->

10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 49.643 ug/L

RT: 9.73 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

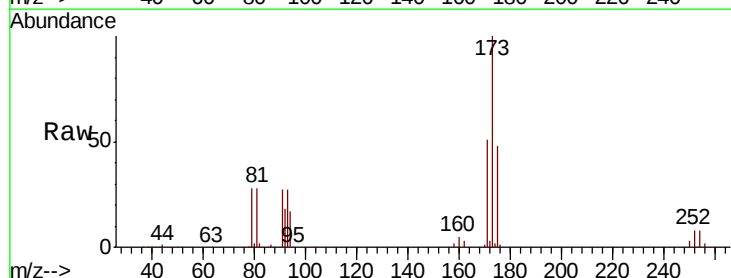
Tgt Ion: 173 Resp: 156139

Ion Ratio Lower Upper

173 100

175 48.0 38.4 57.6

254 8.1 6.6 10.0



Abundance Ion 173.00 (172.70 to 173.70): VV019536.D (-2677) (-)

Ion 175.00 (174.70 to 175.70): VV019536.D (-2677) (-)

Ion 254.00 (253.70 to 254.70): VV019536.D (-2677) (-)

9.73

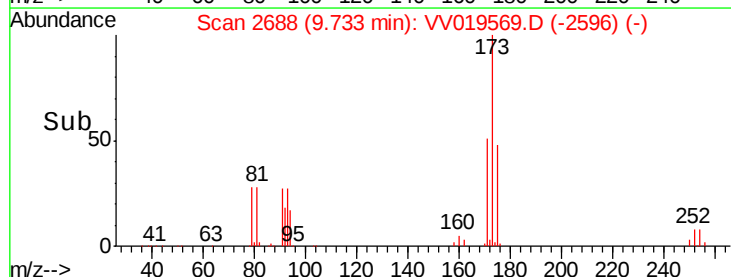
100000

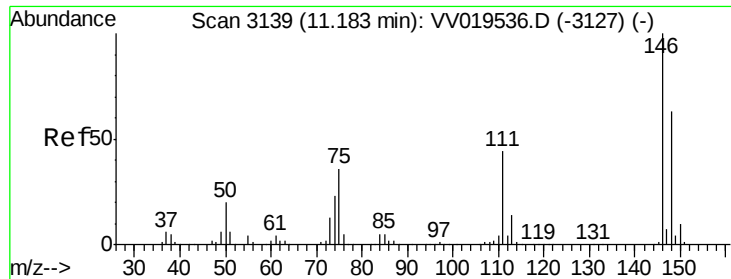
50000

0

Time-->

9.65 9.70 9.75 9.80

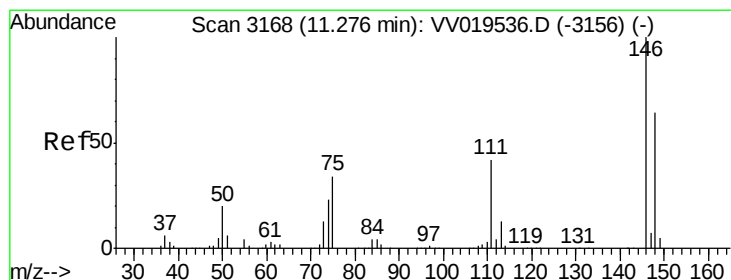
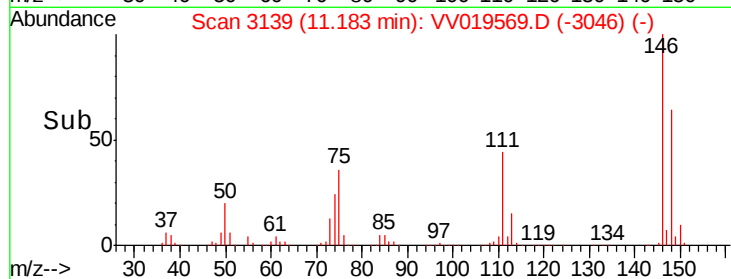
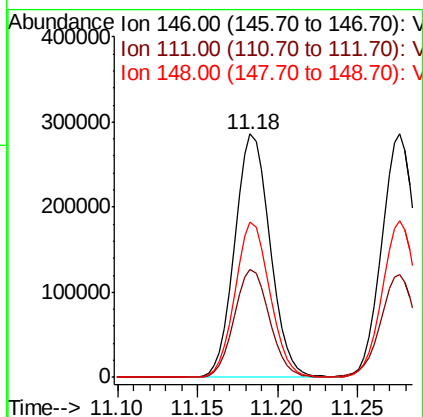
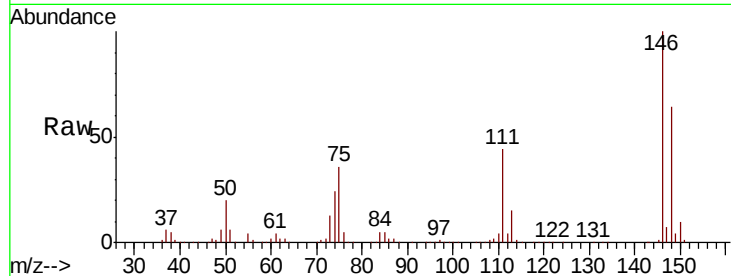




#62
 1,3-Dichlorobenzene
 Concen: 49.211 ug/L
 RT: 11.18 min Scan# 3139
 Delta R.T. -0.00 min
 Lab File: VV019569.D
 Acq: 12 Dec 2020 20:28

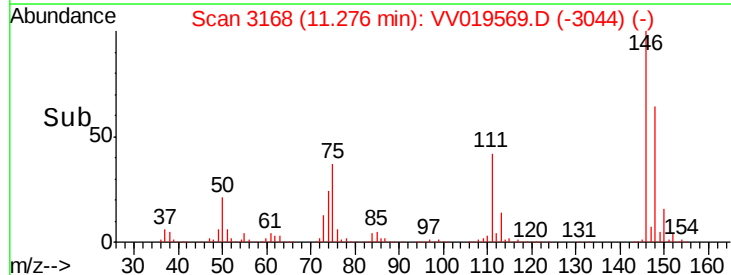
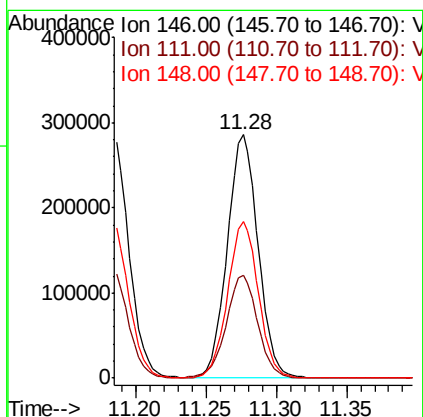
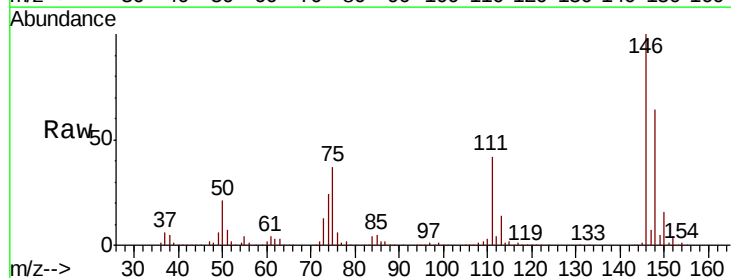
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05085

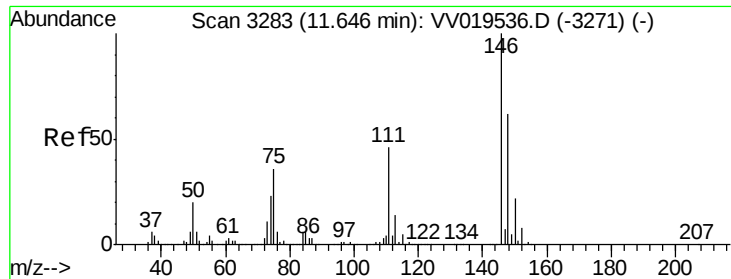
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	30.7	57.1
148	63.6	45.3	84.1



#63
 1,4-Dichlorobenzene
 Concen: 49.198 ug/L
 RT: 11.28 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VV019569.D
 Acq: 12 Dec 2020 20:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	29.8	55.4
148	64.2	44.2	82.0

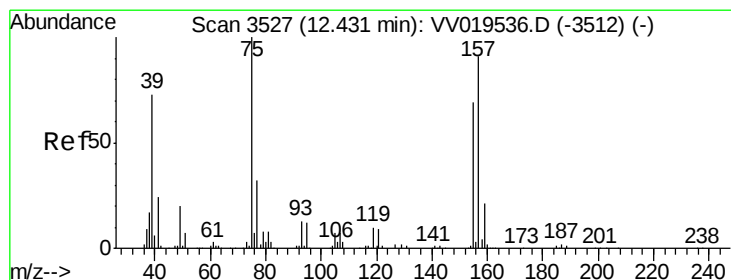
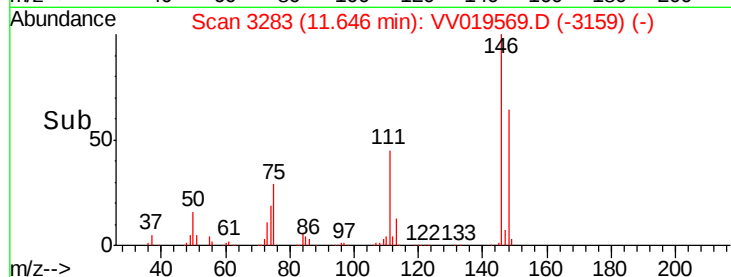
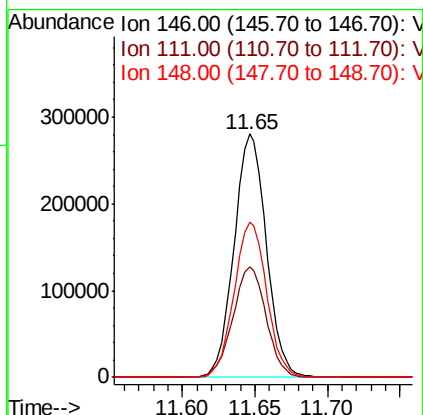
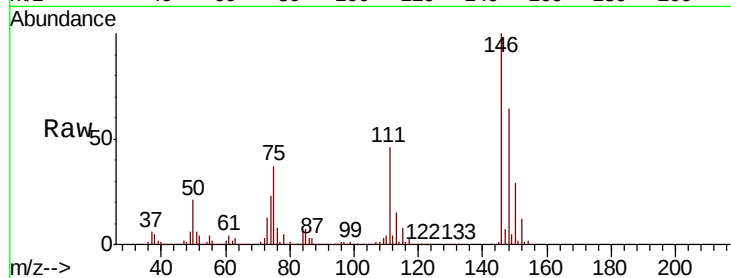




#65
 1,2-Dichlorobenzene
 Concen: 50.271 ug/L
 RT: 11.65 min Scan# 3283
 Delta R.T. -0.00 min
 Lab File: VV019569.D
 Acq: 12 Dec 2020 20:28

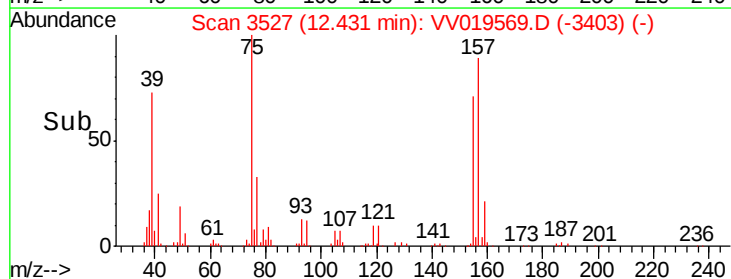
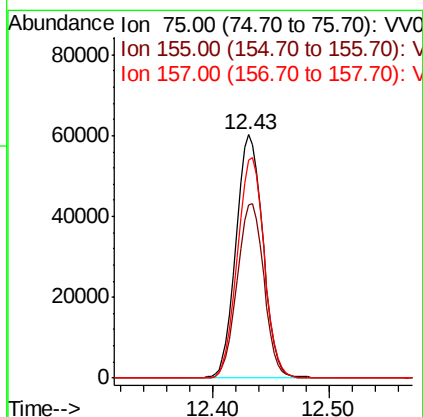
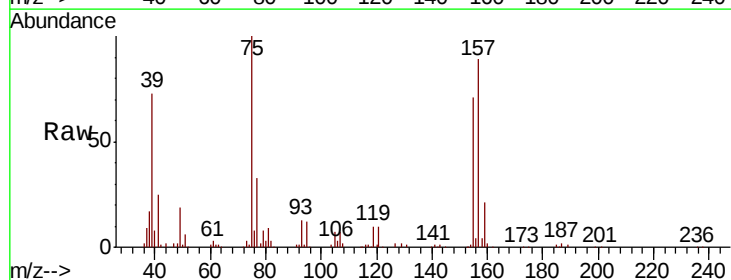
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05085

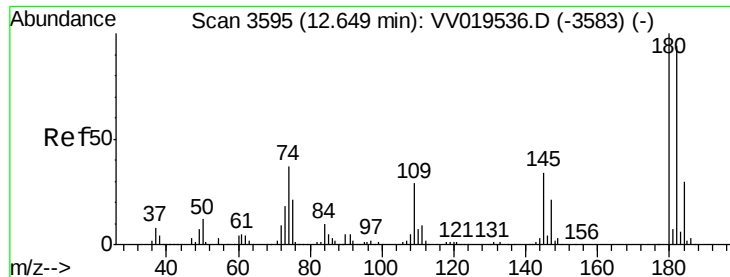
Tot Ion:146 Resp: 433225
 Ion Ratio Lower Upper
 146 100
 111 45.6 36.6 55.0
 148 63.8 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.692 ug/L
 RT: 12.43 min Scan# 3527
 Delta R.T. -0.00 min
 Lab File: VV019569.D
 Acq: 12 Dec 2020 20:28

Tgt Ion: 75 Resp: 96585
 Ion Ratio Lower Upper
 75 100
 155 71.4 61.1 91.7
 157 89.3 78.7 118.1

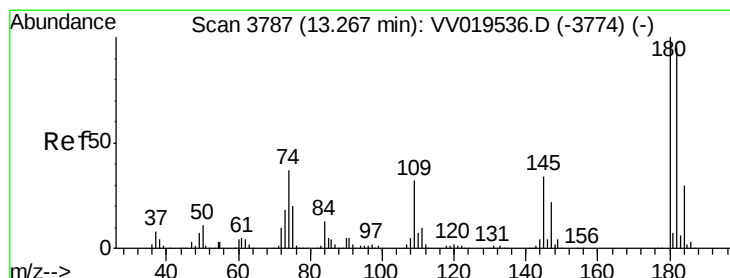
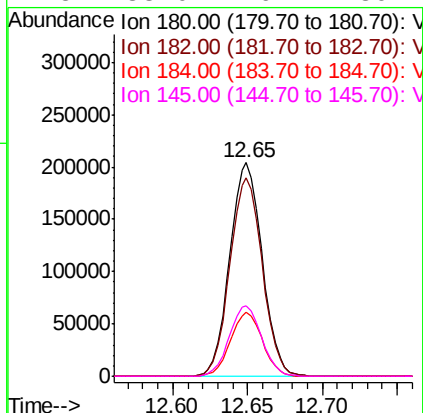
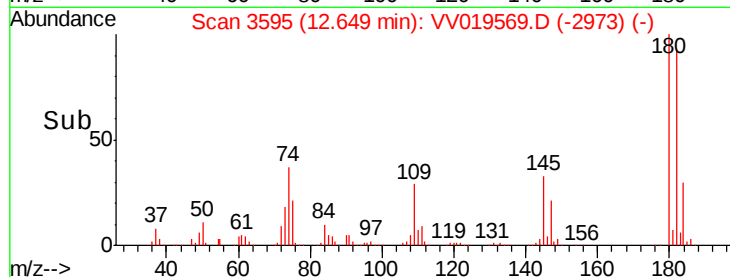
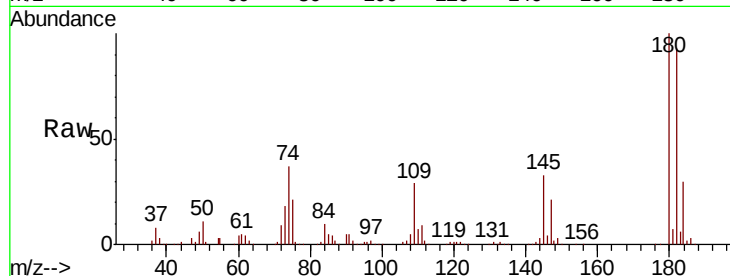




#67
 1,3,5-Trichlorobenzene
 Concen: 49.852 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VV019569.D
 Acq: 12 Dec 2020 20:28

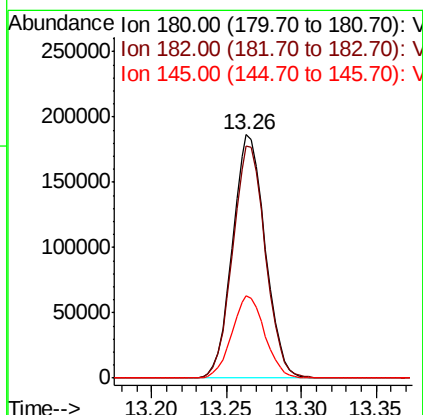
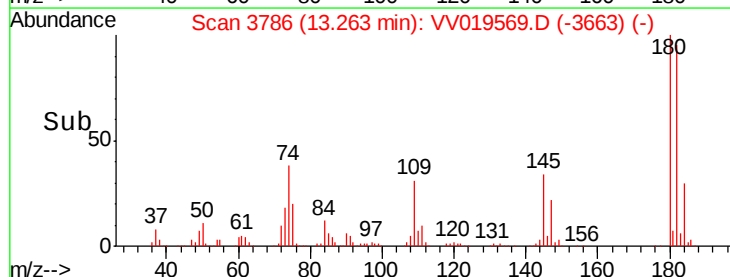
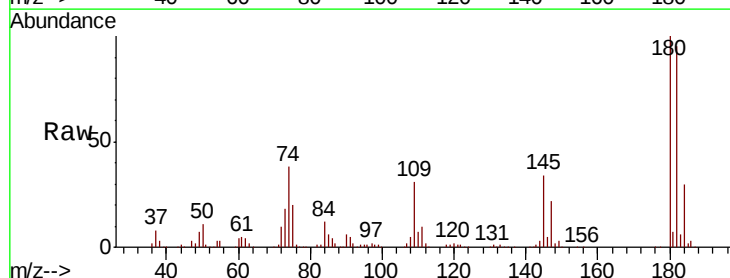
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05085

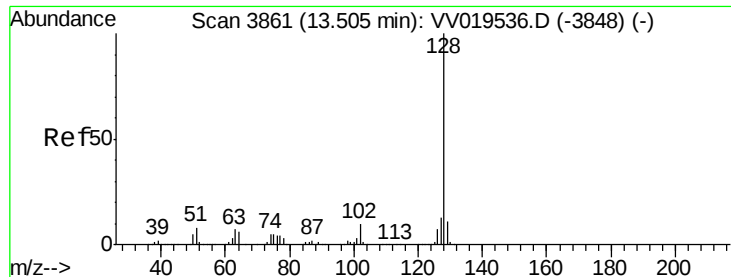
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	75.8	113.6
184	29.7	23.9	35.9
145	33.0	26.2	39.2



#68
 1,2,4-trichlorobenzene
 Concen: 49.193 ug/L
 RT: 13.26 min Scan# 3786
 Delta R.T. -0.00 min
 Lab File: VV019569.D
 Acq: 12 Dec 2020 20:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.5	114.7
145	33.9	27.0	40.6





#69

Naphthalene

Concen: 53.363 ug/L

RT: 13.50 min Scan# 3861

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05085

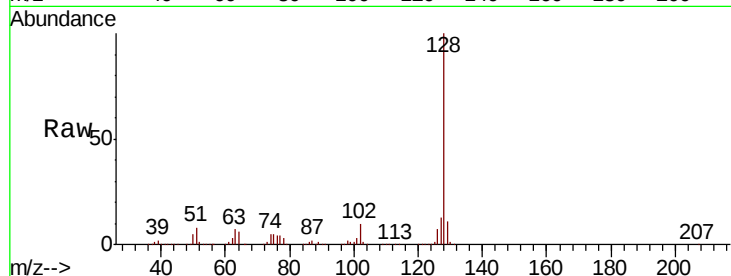
Tot Ion:128 Resp: 1067527

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

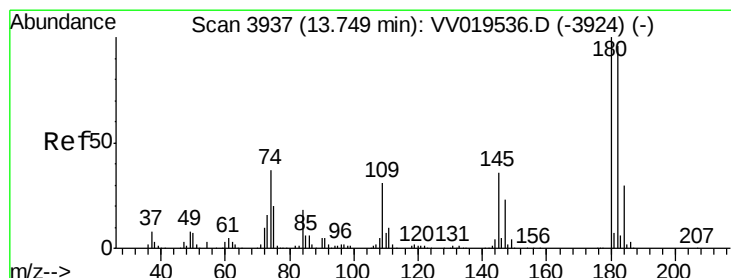
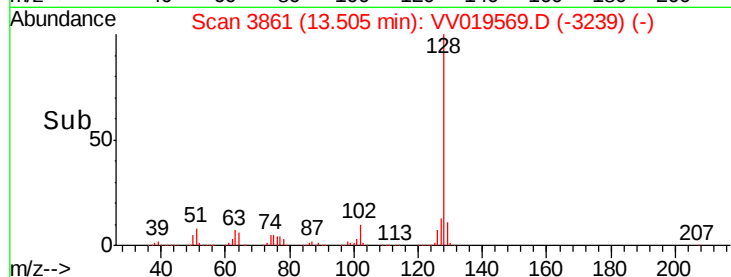
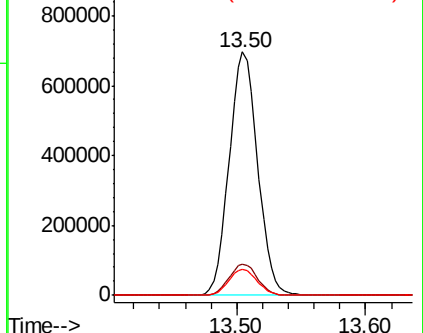
129 10.7 8.6 12.8



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: 50.647 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. -0.00 min

Lab File: VV019569.D

Acq: 12 Dec 2020 20:28

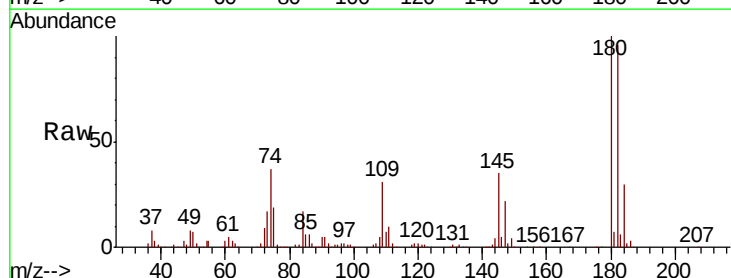
Tgt Ion:180 Resp: 285149

Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.6

145 35.6 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

