

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121420\
 Data File : VV019595.D
 Acq On : 14 Dec 2020 10:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Quant Time: Dec 15 07:18:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 14 14:17:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	719949	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.85	117	669388	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	328171	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	205963	39.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.80%
7) Chloroethane-d5	1.57	69	180882	44.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.84%
11) 1,1-Dichloroethene-d2	2.11	63	417135	43.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.06%
21) 2-Butanone-d5	3.89	46	296942	105.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.82%
24) Chloroform-d	4.35	84	427277	45.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.84%
26) 1,2-Dichloroethane-d4	5.03	65	281643	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
32) Benzene-d6	5.05	84	804027	45.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.08%
36) 1,2-Dichloropropane-d6	6.07	67	262667	46.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.94%
41) Toluene-d8	7.32	98	714147	44.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.86%
43) trans-1,3-Dichloropropene-	7.62	79	139841	43.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.92%
47) 2-Hexanone-d5	8.09	63	221342	100.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.84%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	360656	47.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.36%
64) 1,2-Dichlorobenzene-d4	11.63	152	273511	44.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.18%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	260434	44.824	ug/L	99
3) Chloromethane	1.24	50	274771	44.492	ug/L	100
5) Vinyl chloride	1.31	62	277965	44.872	ug/L	98
6) Bromomethane	1.52	94	168460	45.283	ug/L	99
8) Chloroethane	1.59	64	171366	45.863	ug/L	100
9) Trichlorofluoromethane	1.76	101	349814	46.221	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	201446	48.197	ug/L	99
13) Acetone	2.19	43	223801	93.621	ug/L	99
14) Carbon disulfide	2.30	76	616401	43.739	ug/L	99
15) Methyl Acetate	2.43	43	250709	48.137	ug/L	100
16) Methylene chloride	2.51	84	227284	45.197	ug/L	98
17) trans-1,2-Dichloroethene	2.76	96	214259	45.576	ug/L	99
18) Methyl tert-butyl Ether	2.77	73	744309	45.310	ug/L	100
19) 1,1-Dichloroethane	3.19	63	417313	45.788	ug/L	99
20) cis-1,2-Dichloroethene	3.91	96	232821	45.052	ug/L #	96
22) 2-Butanone	3.97	43	362336	103.331	ug/L	96
23) Bromochloromethane	4.25	128	114822	45.157	ug/L	97

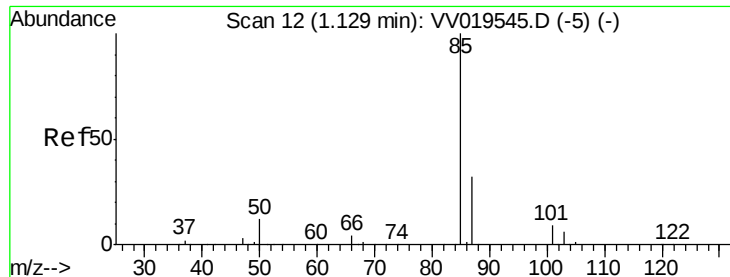
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121420\
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 Quant Title : VOC Analysis
 QLast Update : Mon Dec 14 14:17:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.38	83	415626	45.661	ug/L	99
27) 1,2-Dichloroethane	5.13	62	344749	45.717	ug/L	99
29) Cyclohexane	4.68	56	378188	46.098	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	376185	44.820	ug/L	99
31) Carbon tetrachloride	4.83	117	317890	44.865	ug/L	100
33) Benzene	5.10	78	888970	45.441	ug/L	100
34) Trichloroethene	5.91	95	234704	45.416	ug/L	98
35) Methylcyclohexane	6.13	83	380429	48.456	ug/L	99
37) 1,2-Dichloropropane	6.17	63	234947	45.987	ug/L	99
38) Bromodichloromethane	6.51	83	317914	44.500	ug/L	98
39) cis-1,3-Dichloropropene	7.03	75	384934	45.365	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	695589	94.371	ug/L	99
42) Toluene	7.39	91	939491	45.564	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	383010	44.579	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	218149	44.964	ug/L	100
46) Tetrachloroethene	7.97	164	165186	46.194	ug/L	99
48) 2-Hexanone	8.14	43	530941	94.933	ug/L	99
49) Dibromochloromethane	8.25	129	238590	44.906	ug/L	98
50) 1,2-Dibromoethane	8.35	107	231822	45.375	ug/L	97
51) Chlorobenzene	8.88	112	590968	44.875	ug/L	100
52) Ethylbenzene	9.01	91	1072542	45.655	ug/L	99
53) m,p-Xylene	9.14	106	393332	44.816	ug/L	100
54) o-xylene	9.54	106	386675	44.949	ug/L	99
55) Styrene	9.56	104	677215	45.168	ug/L	98
56) Isopropylbenzene	9.93	105	1052563	45.928	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	357016	45.759	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	293965	46.259	ug/L	100
61) Bromoform	9.73	173	159778	44.002	ug/L	100
62) 1,3-Dichlorobenzene	11.18	146	450399	44.733	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	456454	44.769	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	450665	45.297	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.43	75	92430	44.506	ug/L	97
67) 1,3,5-Trichlorobenzene	12.65	180	333187	46.837	ug/L	99
68) 1,2,4-trichlorobenzene	13.26	180	303056	45.563	ug/L	100
69) Naphthalene	13.50	128	1048774	45.410	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	297185	45.721	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 44.824 ug/L

RT: 1.13 min Scan# 13

Delta R.T. 0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

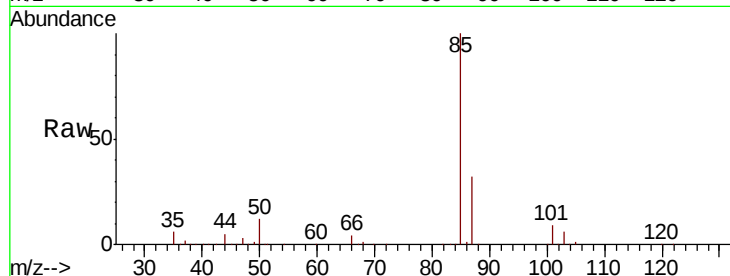
VSTD05087

Tot Ion: 85 Resp: 260434

Ion Ratio Lower Upper

85 100

87 32.6 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

300000

250000

200000

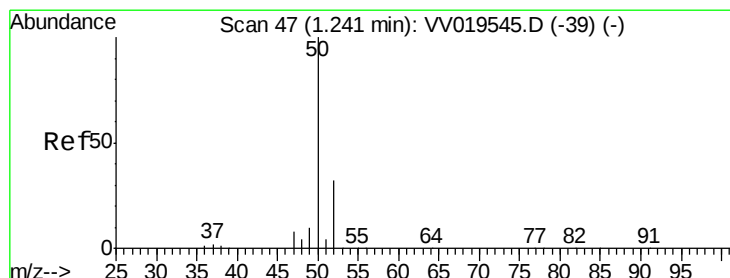
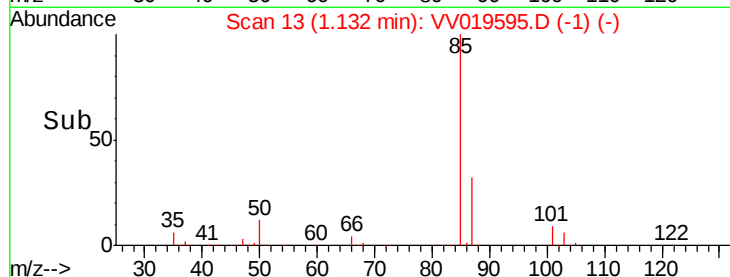
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 44.492 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV019595.D

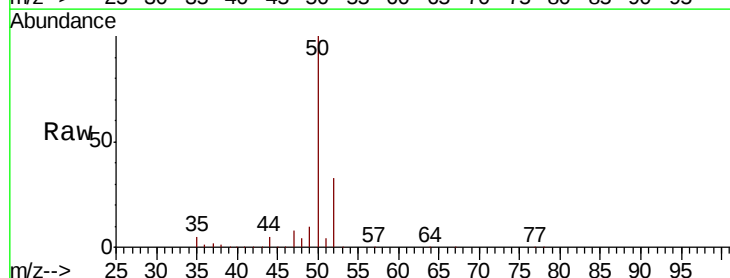
Acq: 14 Dec 2020 10:36

Tgt Ion: 50 Resp: 274771

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

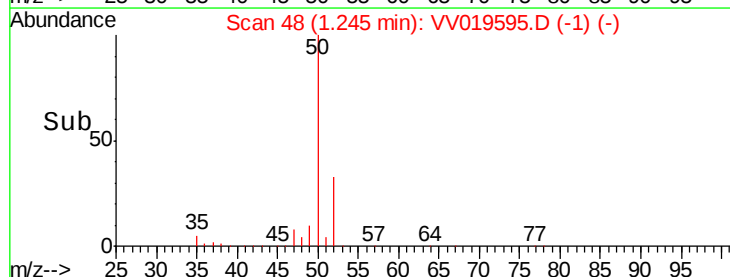
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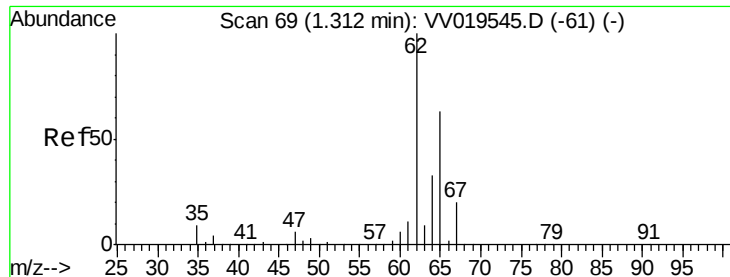
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50000

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Time-->





#5

Vinyl chloride

Concen: 44.872 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

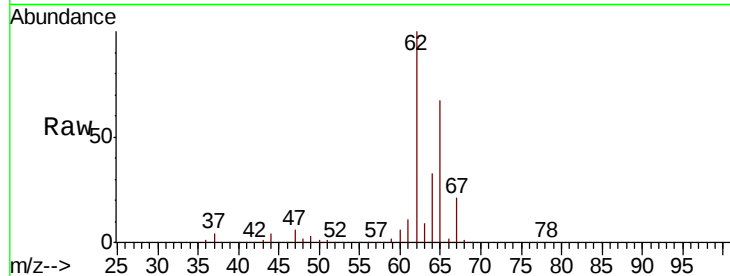
VSTD05087

Tot Ion: 62 Resp: 277965

Ion Ratio Lower Upper

62 100

64 33.0 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.31

250000

200000

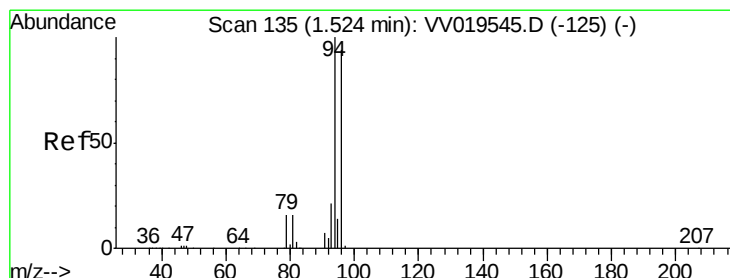
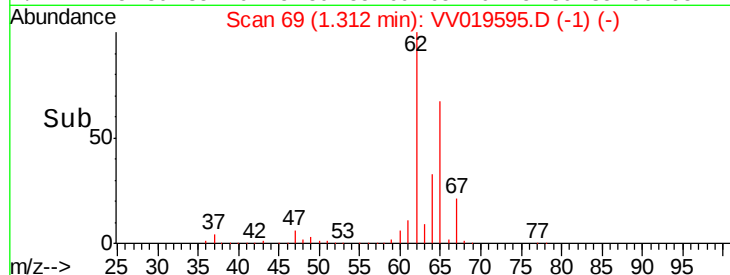
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 45.283 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019595.D

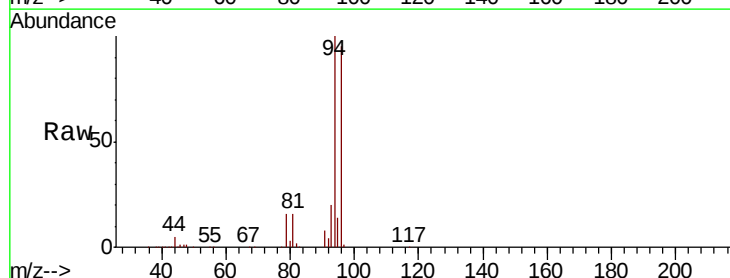
Acq: 14 Dec 2020 10:36

Tgt Ion: 94 Resp: 168460

Ion Ratio Lower Upper

94 100

96 94.6 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

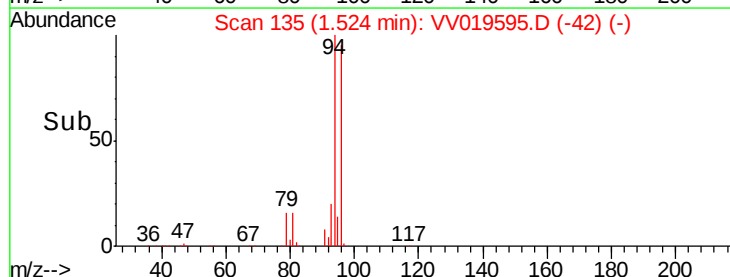
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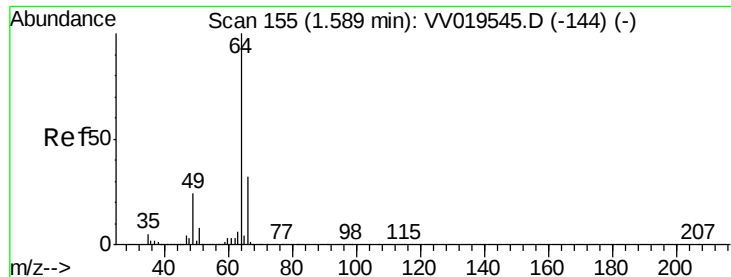
100000

50000

0

Time-->





#8

Chloroethane

Concen: 45.863 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

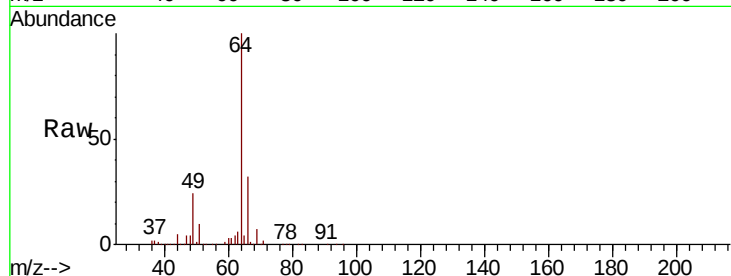
VSTD05087

Tot Ion: 64 Resp: 171366

Ion Ratio Lower Upper

64 100

66 32.1 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV019545.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV019545.D (-144) (-)

1.59

150000

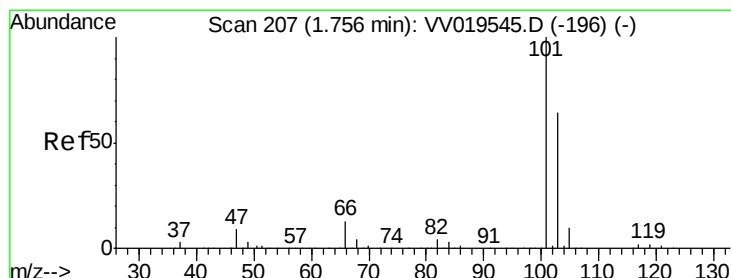
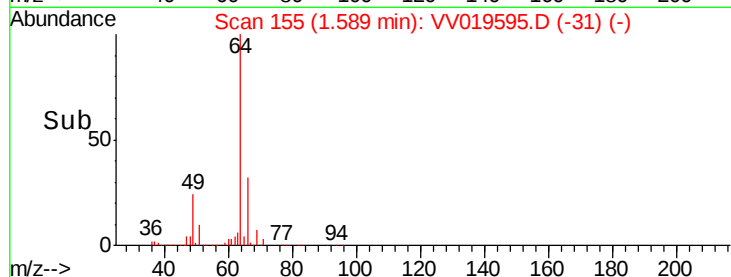
100000

50000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 46.221 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV019595.D

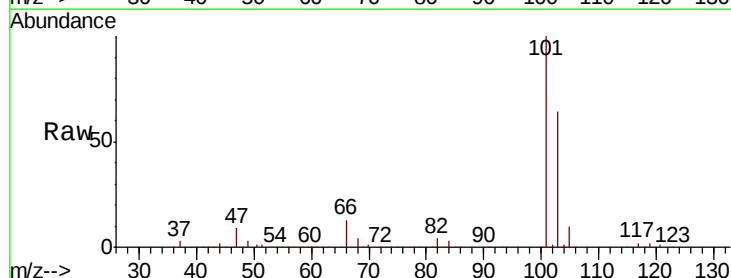
Acq: 14 Dec 2020 10:36

Tgt Ion:101 Resp: 349814

Ion Ratio Lower Upper

101 100

103 64.5 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV019545.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV019545.D (-196) (-)

1.76

300000

250000

200000

150000

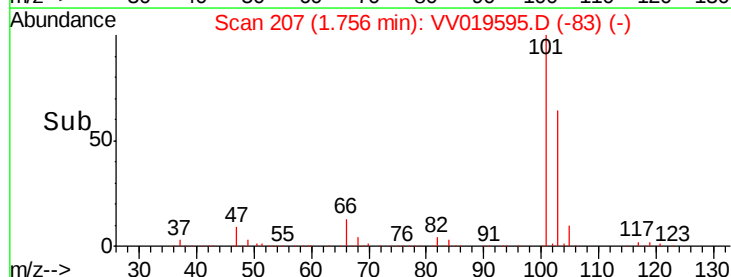
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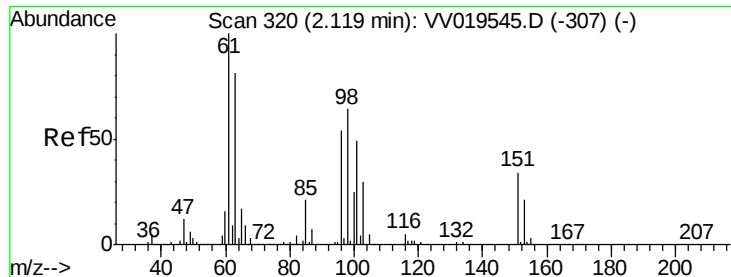
50000

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Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 48.197 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

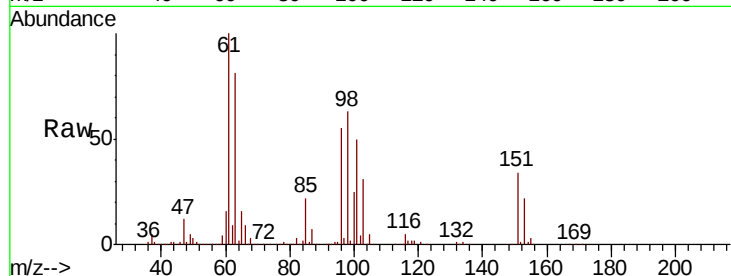
Tot Ion:101 Resp: 201446

Ion Ratio Lower Upper

101 100

85 44.1 35.0 52.4

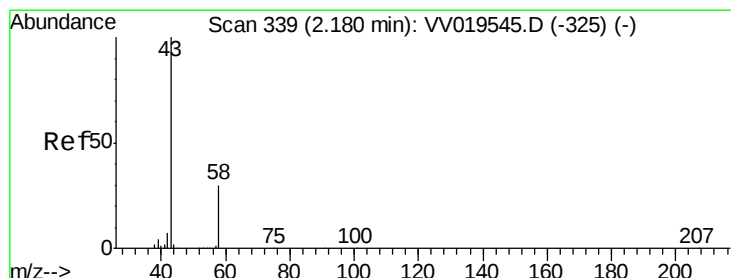
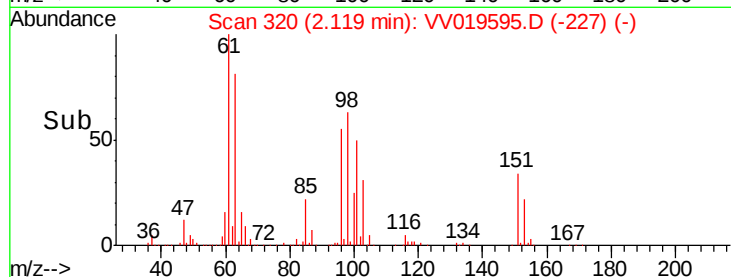
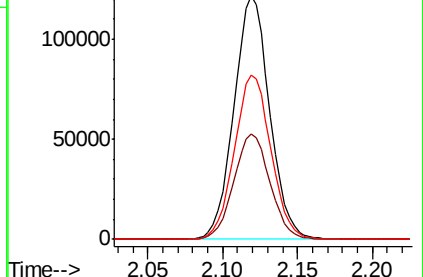
151 69.1 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019595.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019595.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019595.D (-227) (-)



#13

Acetone

Concen: 93.621 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VV019595.D

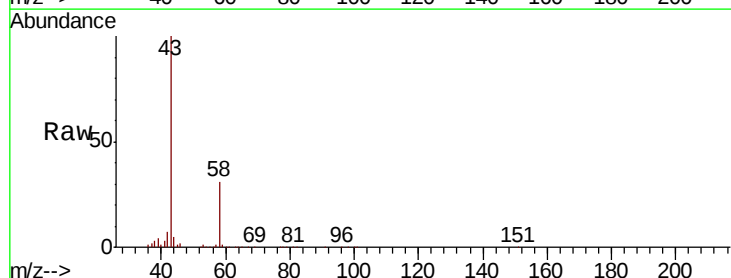
Acq: 14 Dec 2020 10:36

Tgt Ion: 43 Resp: 223801

Ion Ratio Lower Upper

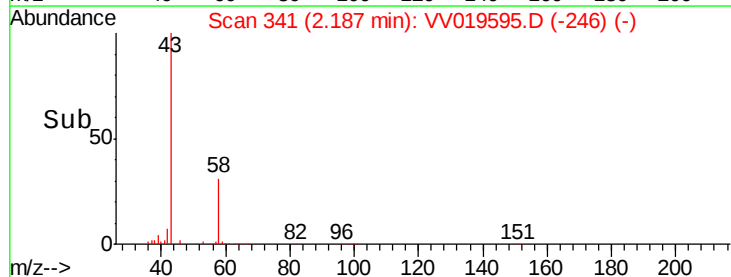
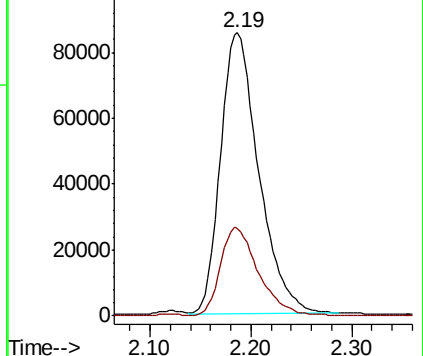
43 100

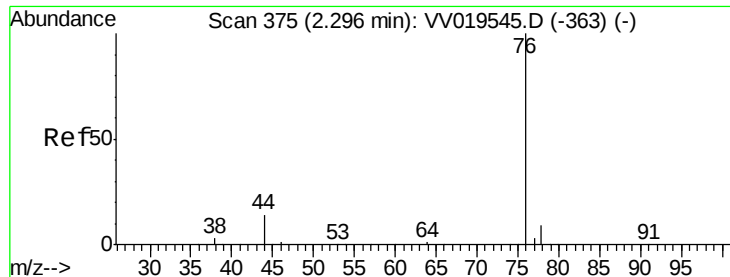
58 31.4 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV019595.D (-246) (-)

Ion 58.00 (57.70 to 58.70): VV019595.D (-246) (-)





#14

Carbon disulfide

Concen: 43.739 ug/L

RT: 2.30 min Scan# 375

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

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MSVOA_V

ClientSampleId :

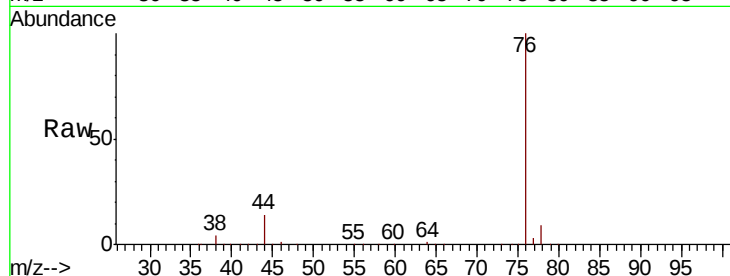
VSTD05087

Tot Ion: 76 Resp: 616401

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.30

400000

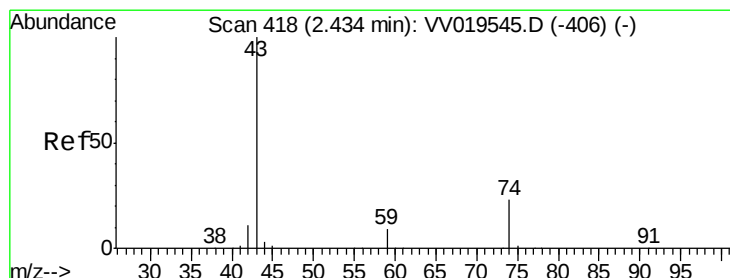
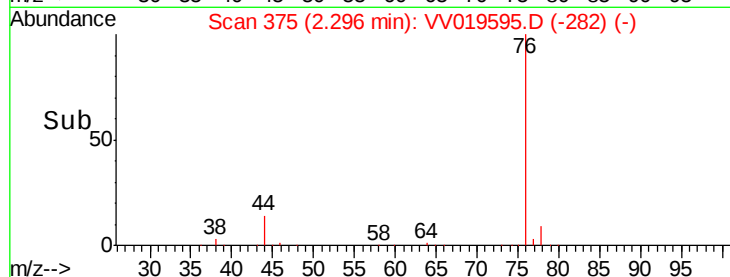
300000

200000

100000

0

Time-->



#15

Methyl Acetate

Concen: 48.137 ug/L

RT: 2.43 min Scan# 418

Delta R.T. -0.00 min

Lab File: VV019595.D

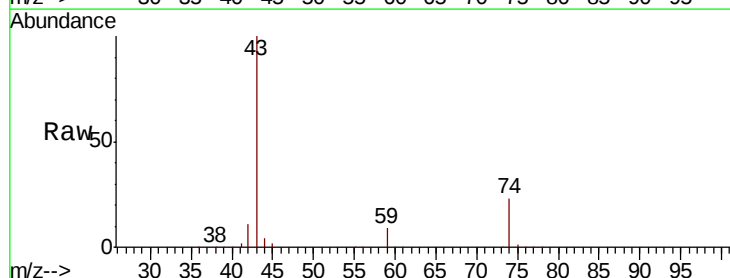
Acq: 14 Dec 2020 10:36

Tgt Ion: 43 Resp: 250709

Ion Ratio Lower Upper

43 100

74 22.7 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

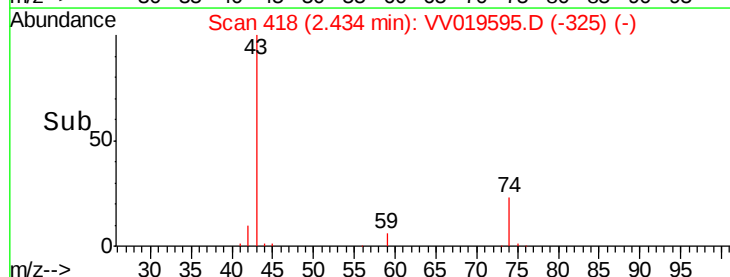
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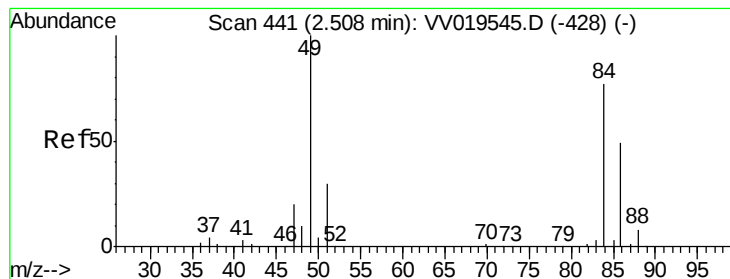
100000

50000

0

Time-->





#16

Methylene chloride

Concen: 45.197 ug/L

RT: 2.51 min Scan# 441

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

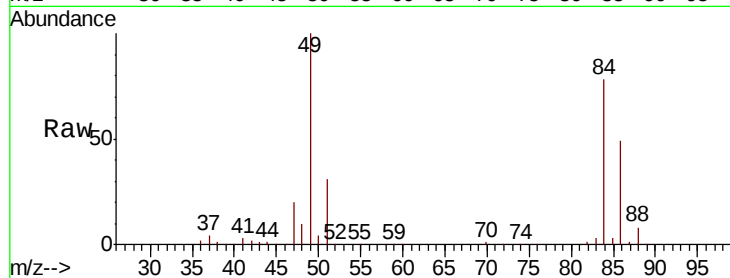
Tot Ion: 84 Resp: 227284

Ion Ratio Lower Upper

84 100

86 63.3 45.7 84.9

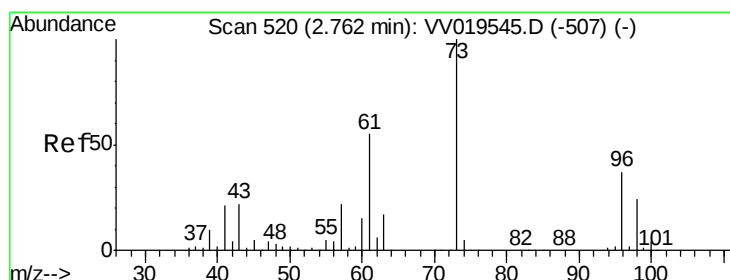
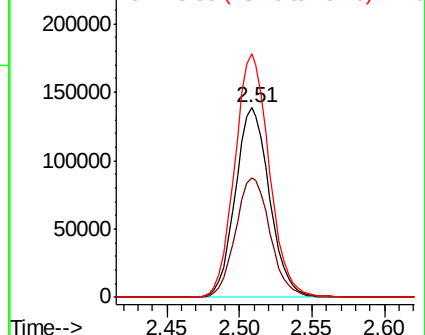
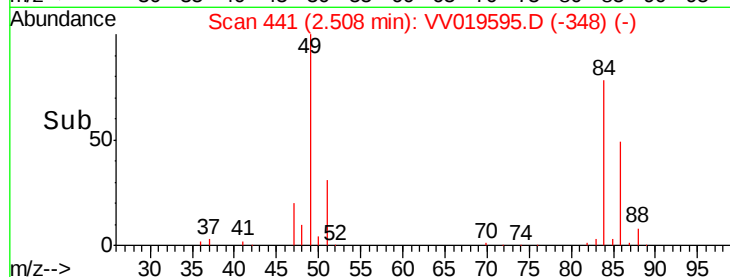
49 128.4 90.6 168.3



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0



#17

trans-1,2-Dichloroethene

Concen: 45.576 ug/L

RT: 2.76 min Scan# 520

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

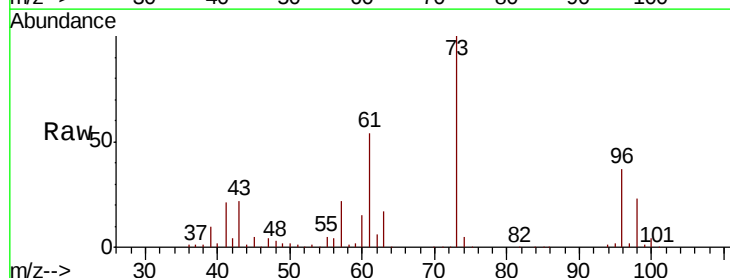
Tgt Ion: 96 Resp: 214259

Ion Ratio Lower Upper

96 100

61 146.5 103.5 192.1

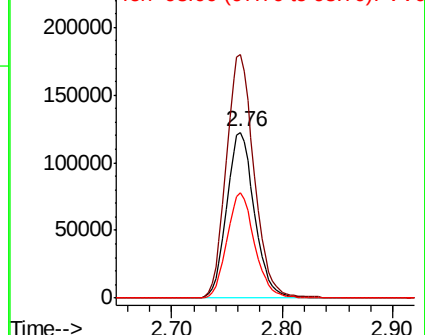
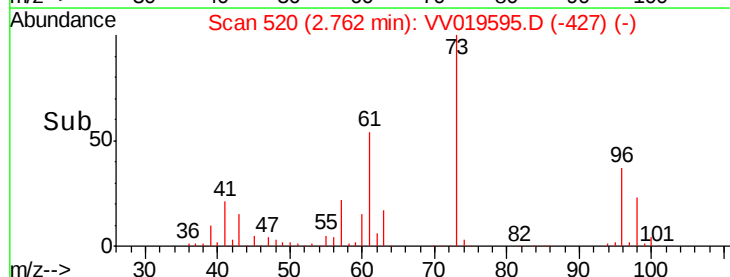
98 63.1 44.4 82.5

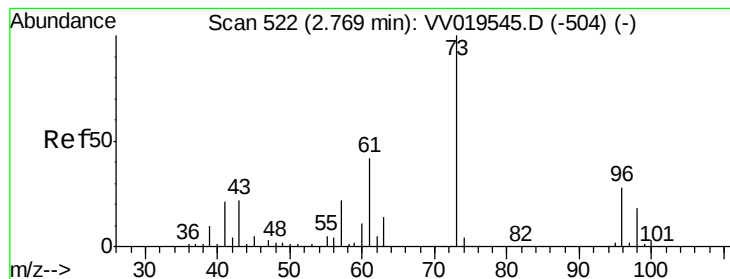


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



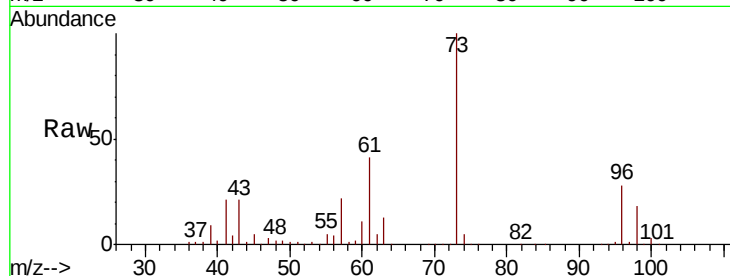


#18

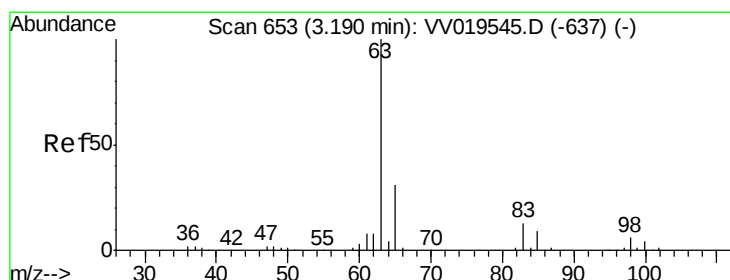
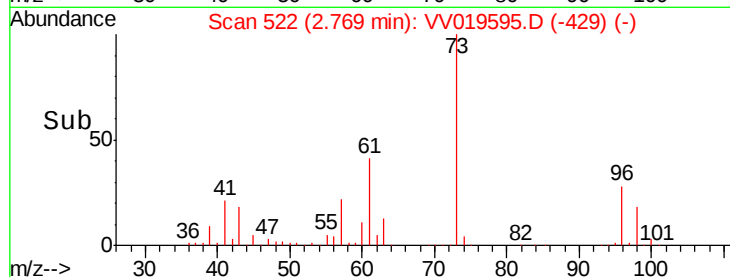
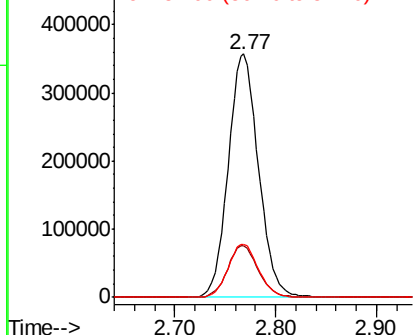
Methvl tert-butvl Ether
 Concen: 45.310 ug/L
 RT: 2.77 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VV019595.D
 Acq: 14 Dec 2020 10:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Tot Ion: 73 Resp: 744309
 Ion Ratio Lower Upper
 73 100
 43 21.3 17.3 25.9
 57 22.1 17.5 26.3



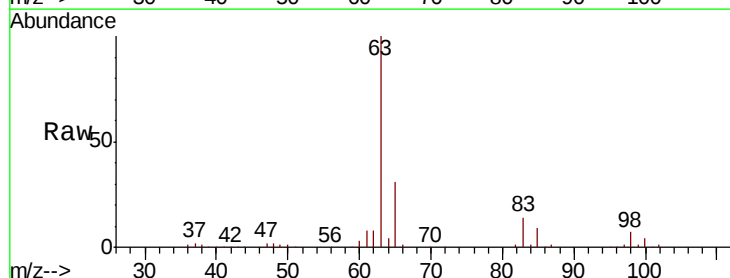
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



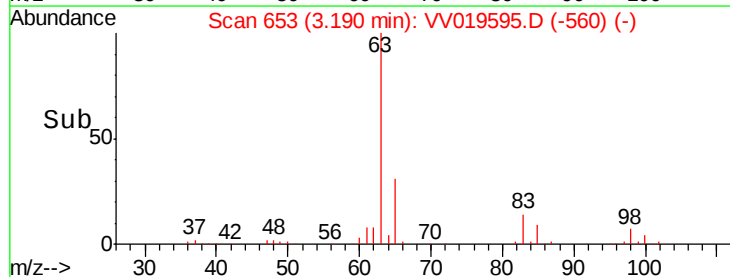
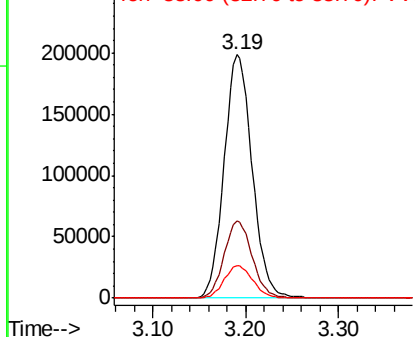
#19

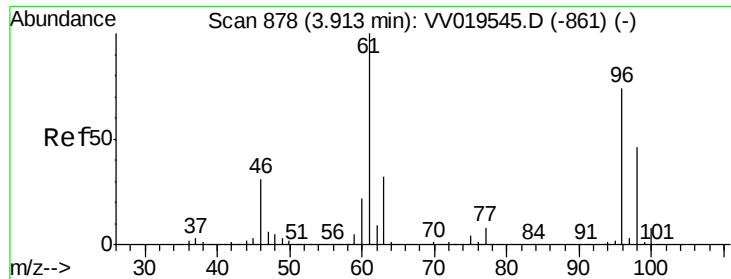
1,1-Dichloroethane
 Concen: 45.788 ug/L
 RT: 3.19 min Scan# 653
 Delta R.T. -0.00 min
 Lab File: VV019595.D
 Acq: 14 Dec 2020 10:36

Tgt Ion: 63 Resp: 417313
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.4 41.6
 83 13.5 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

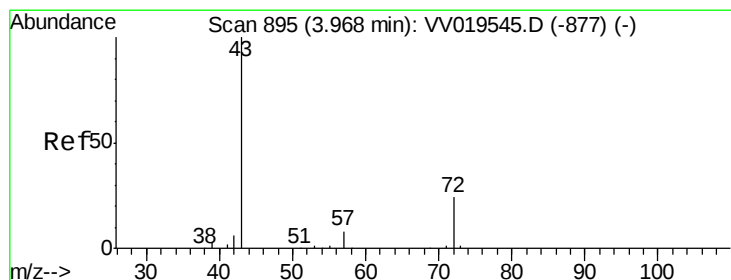
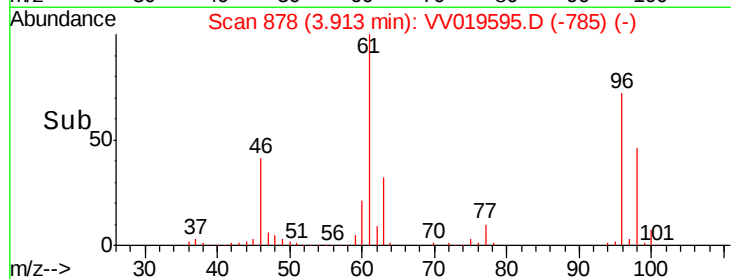
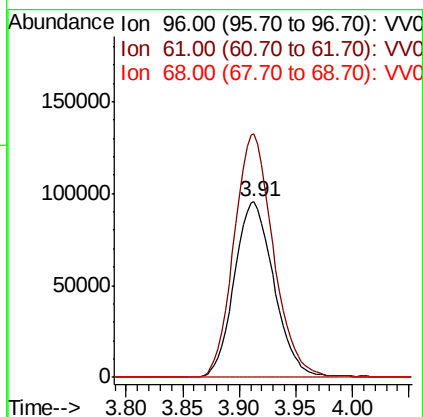
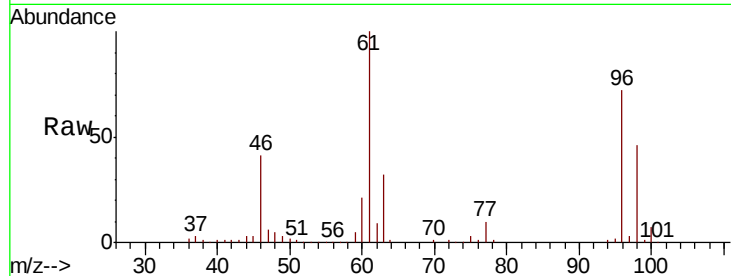




#20
 cis-1,2-Dichloroethene
 Concen: 45.052 ug/L
 RT: 3.91 min Scan# 878
 Delta R.T. -0.00 min
 Lab File: VV019595.D
 Acq: 14 Dec 2020 10:36

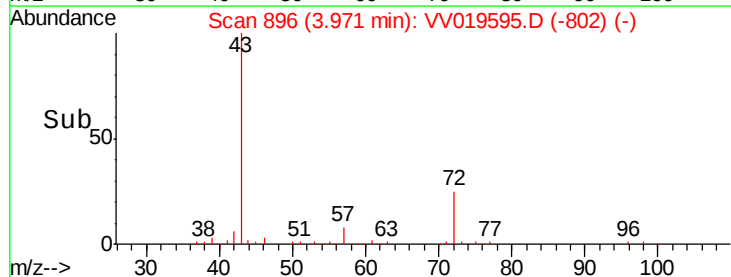
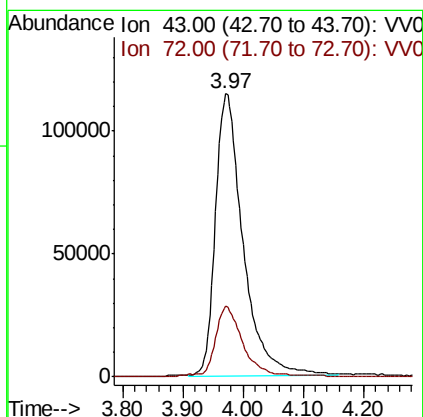
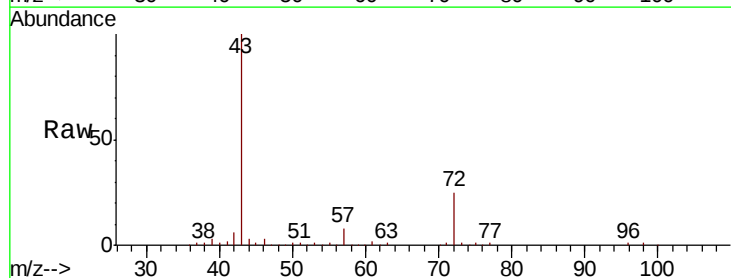
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

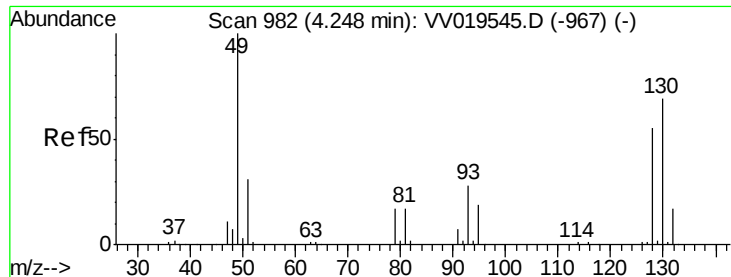
Tot Ion: 96 Resp: 232821
 Ion Ratio Lower Upper
 96 100
 61 138.7 94.1 174.8
 68 0.0 0.1 0.1#



#22
 2-Butanone
 Concen: 103.331 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VV019595.D
 Acq: 14 Dec 2020 10:36

Tgt Ion: 43 Resp: 362336
 Ion Ratio Lower Upper
 43 100
 72 22.4 12.3 36.9





#23

Bromochloromethane

Concen: 45.157 ug/L

RT: 4.25 min Scan# 982

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tot Ion:128 Resp: 114822

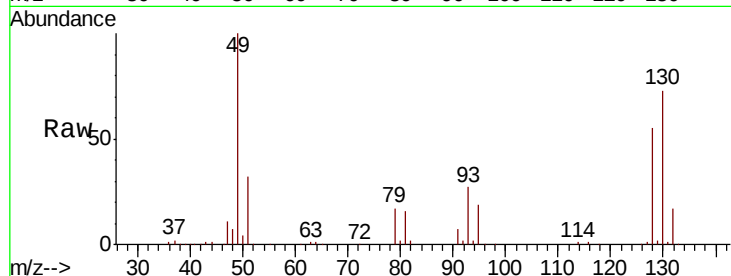
Ion Ratio Lower Upper

128 100

49 183.4 127.0 235.8

130 133.1 90.3 167.7

51 58.6 44.5 66.7

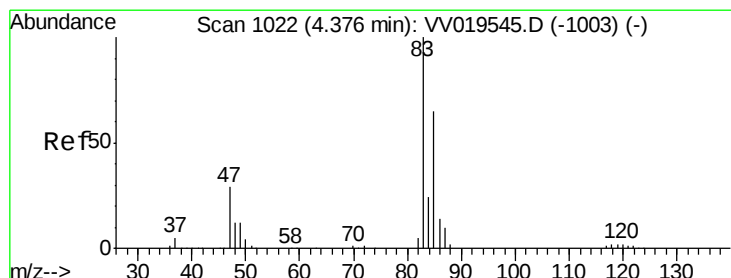
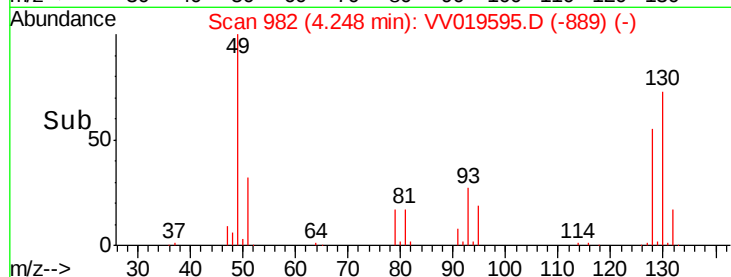
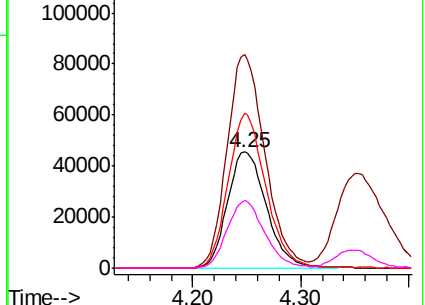


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 45.661 ug/L

RT: 4.38 min Scan# 1022

Delta R.T. -0.00 min

Lab File: VV019595.D

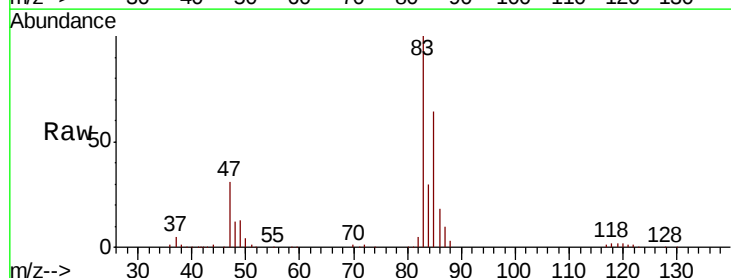
Acq: 14 Dec 2020 10:36

Tgt Ion: 83 Resp: 415626

Ion Ratio Lower Upper

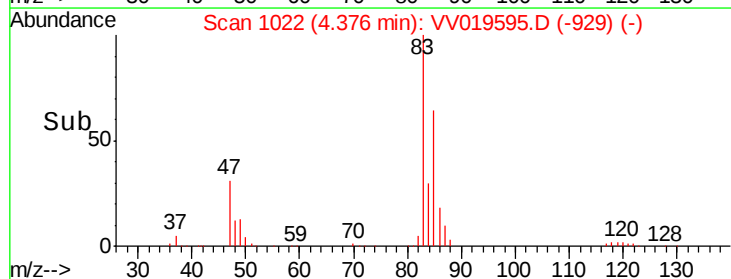
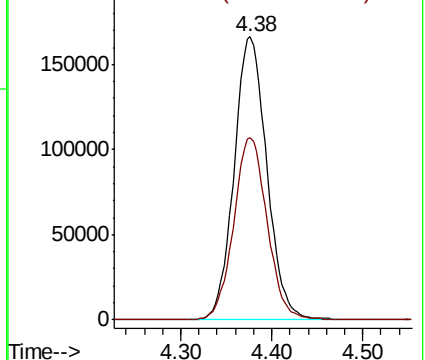
83 100

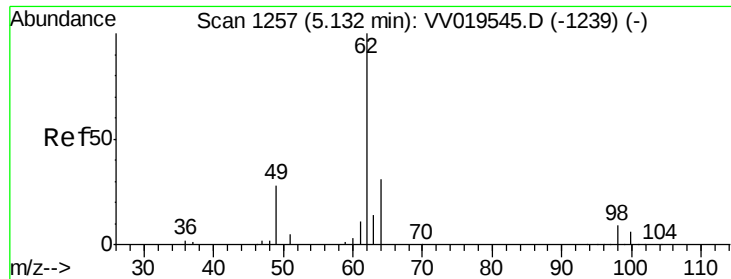
85 64.4 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

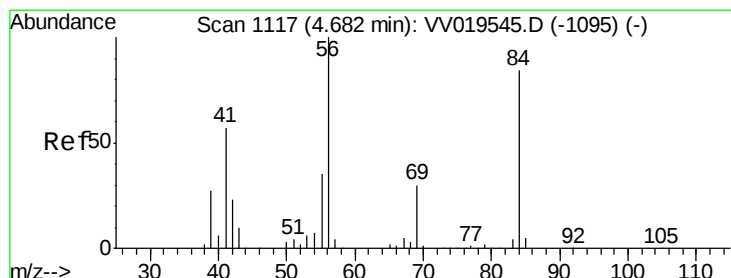
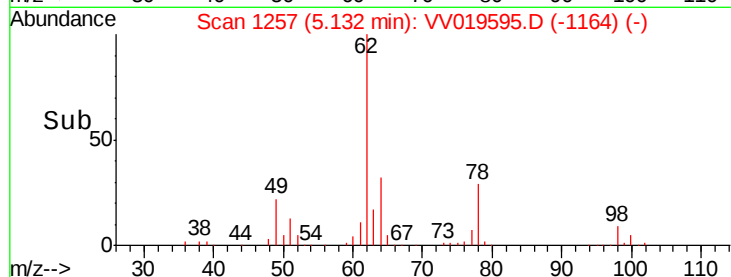
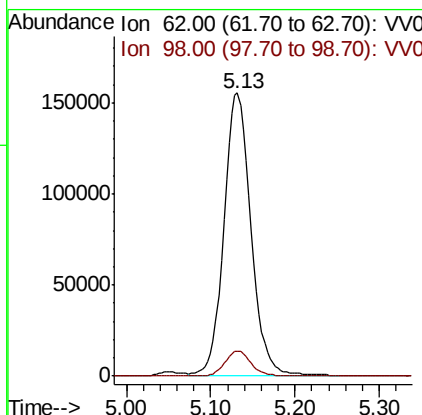
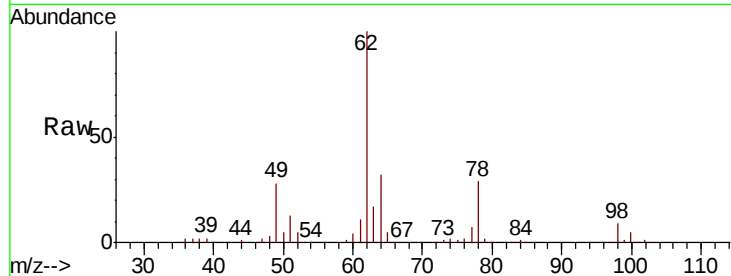




#27
 1,2-Dichloroethane
 Concen: 45.717 ug/L
 RT: 5.13 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VV019595.D
 Acq: 14 Dec 2020 10:36

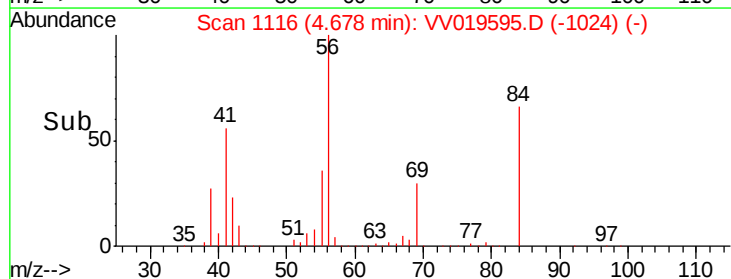
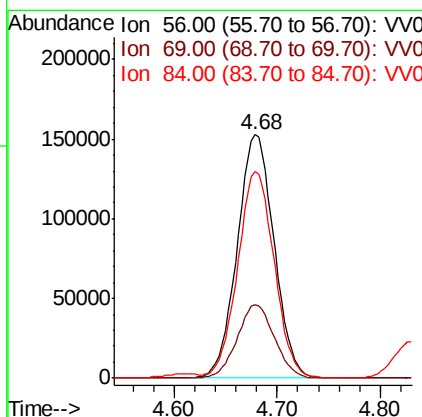
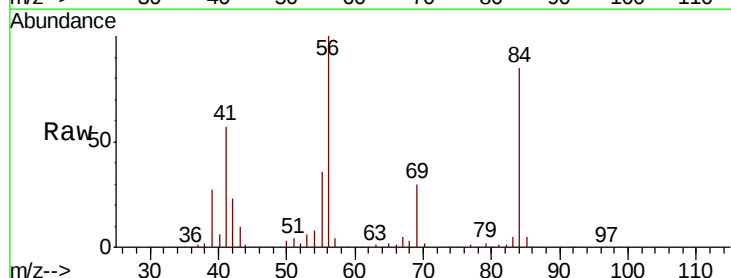
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

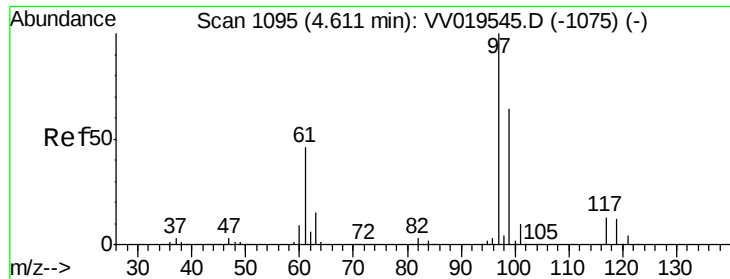
Tot Ion: 62 Resp: 344749
 Ion Ratio Lower Upper
 62 100
 98 9.0 7.4 11.0



#29
 Cyclohexane
 Concen: 46.098 ug/L
 RT: 4.68 min Scan# 1116
 Delta R.T. -0.00 min
 Lab File: VV019595.D
 Acq: 14 Dec 2020 10:36

Tgt Ion: 56 Resp: 378188
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.6 37.0
 84 84.5 68.2 102.4

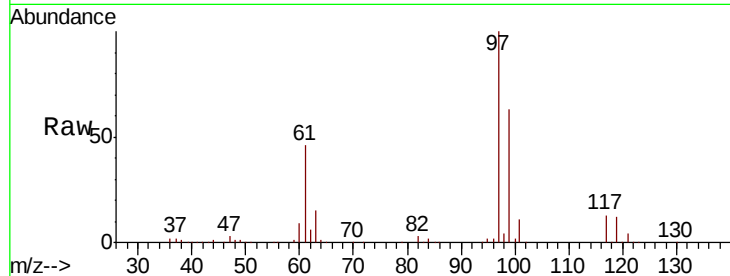




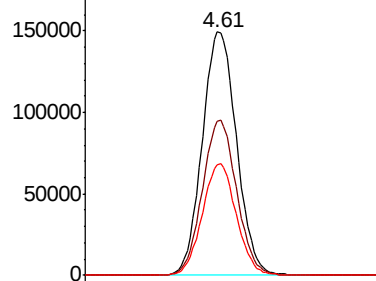
#30
 1,1,1-Trichloroethane
 Concen: 44.820 ug/L
 RT: 4.61 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VV019595.D
 Acq: 14 Dec 2020 10:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

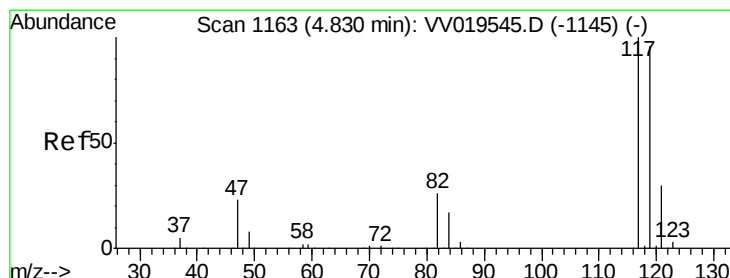
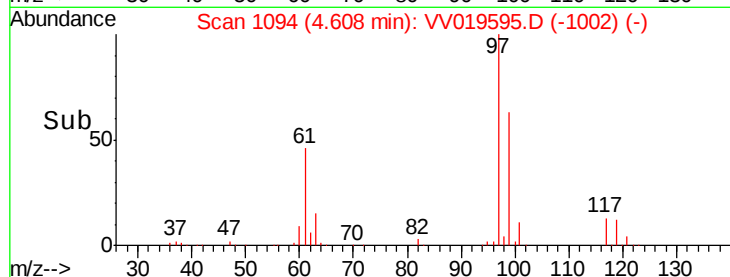
Tot Ion: 97 Resp: 376185
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.3 76.9
 61 45.7 36.3 54.5



Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0

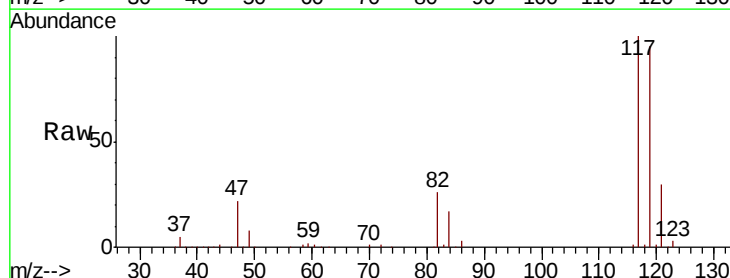


Time-->

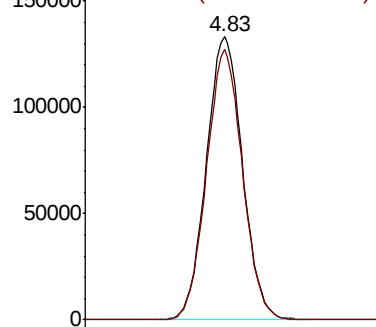


#31
 Carbon tetrachloride
 Concen: 44.865 ug/L
 RT: 4.83 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: VV019595.D
 Acq: 14 Dec 2020 10:36

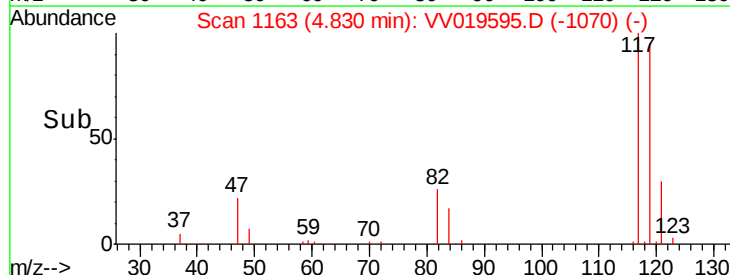
Tgt Ion: 117 Resp: 317890
 Ion Ratio Lower Upper
 117 100
 119 94.6 75.7 113.5

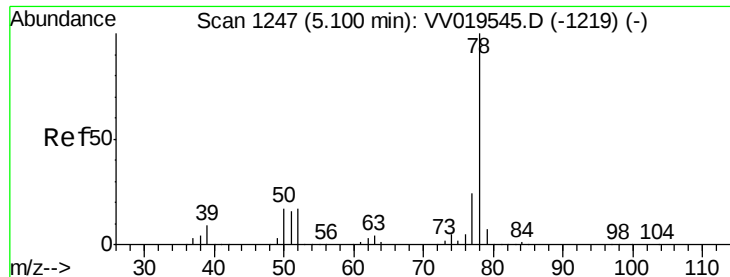


Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V



Time-->





#33

Benzene

Concen: 45.441 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

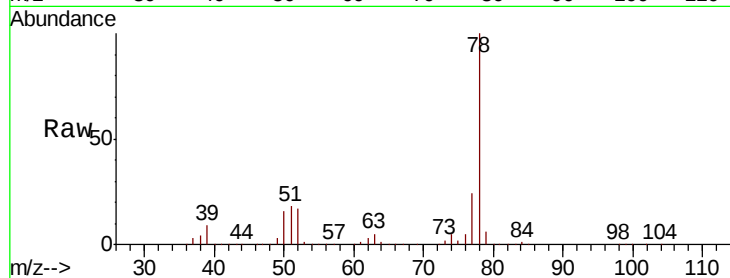
Instrument :

MSVOA_V

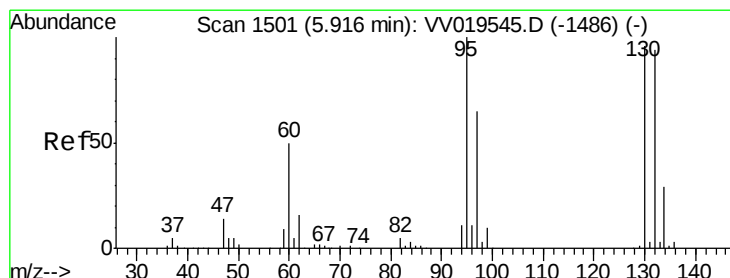
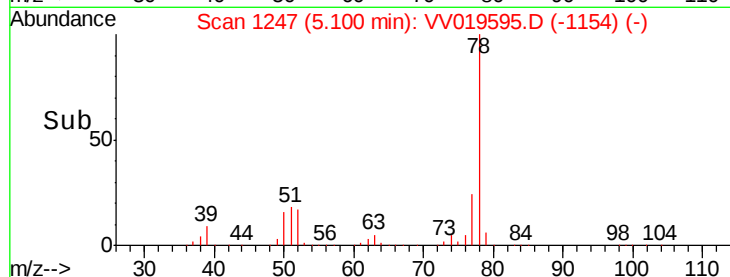
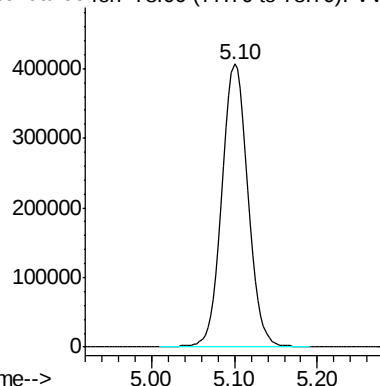
ClientSampleId :

VSTD05087

Tgt Ion: 78 Resp: 888970



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 45.416 ug/L

RT: 5.91 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

Tgt Ion: 95 Resp: 234704

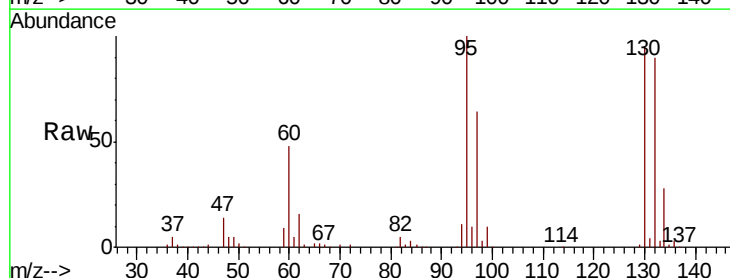
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.4	82.4
132	90.4	64.3	119.3
130	94.5	67.8	125.8

Ion 95.00 (94.70 to 95.70): VV0

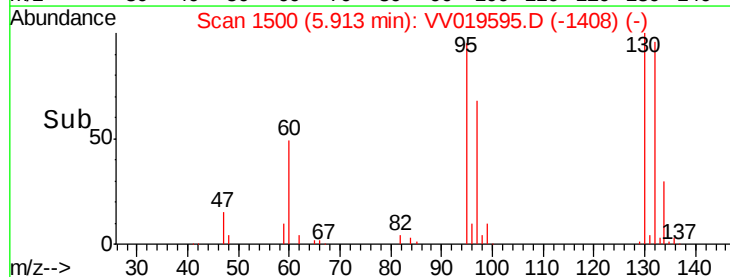
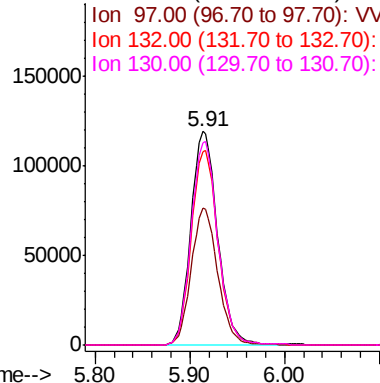
Ion 97.00 (96.70 to 97.70): VV0

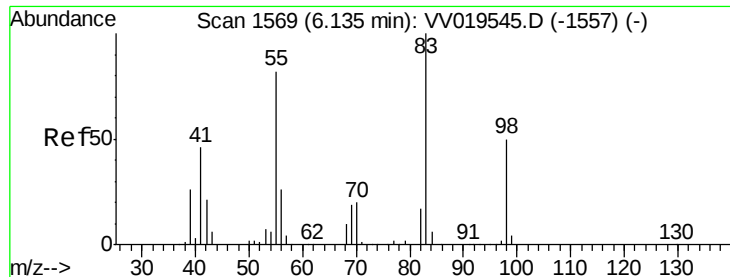
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



Abundance Ion 95.00 (94.70 to 95.70): VV0

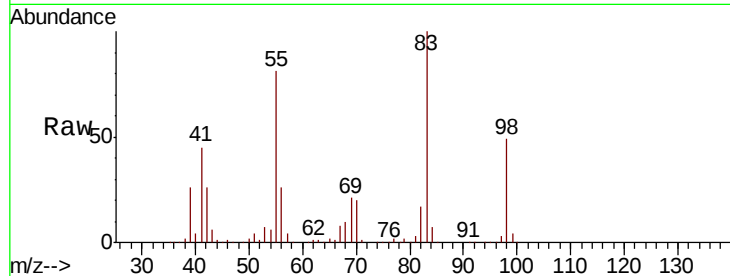




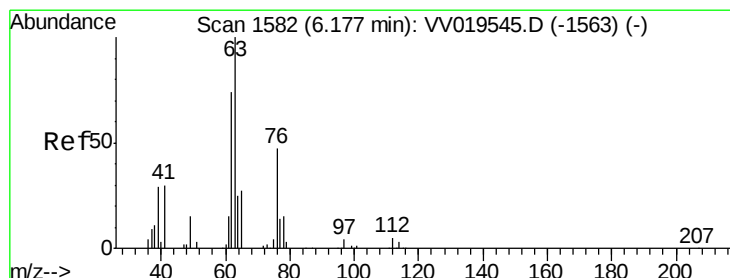
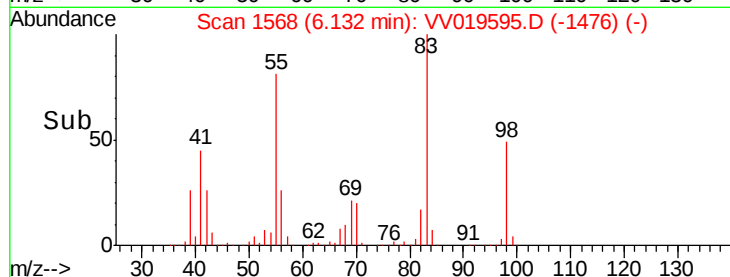
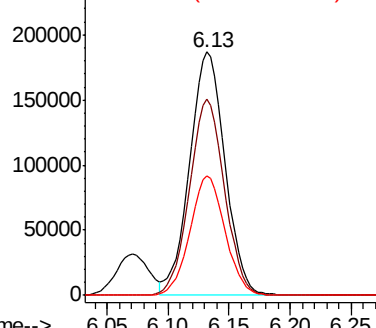
#35
Methvlcvclohexane
Concen: 48.456 ug/L
RT: 6.13 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VV019595.D
Acq: 14 Dec 2020 10:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tot Ion: 83 Resp: 380429
Ion Ratio Lower Upper
83 100
55 79.3 64.2 96.4
98 48.7 39.3 58.9

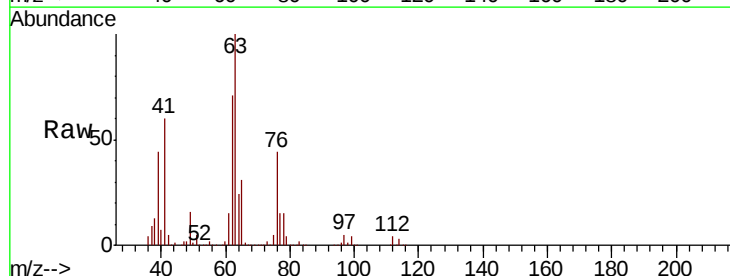


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

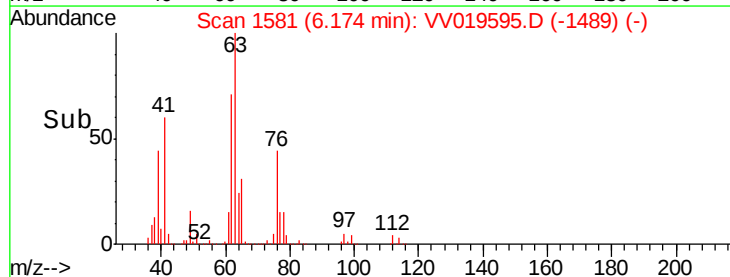
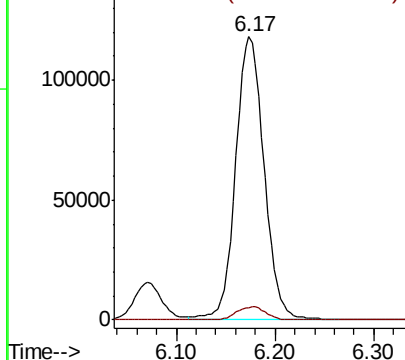


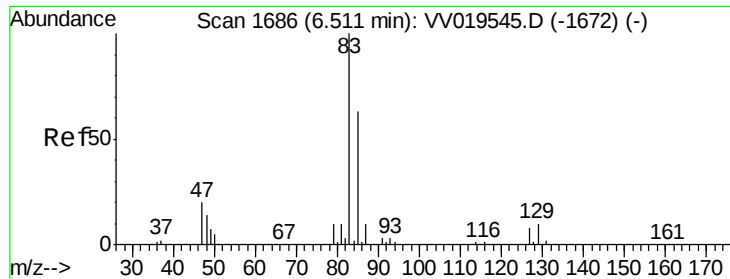
#37
1,2-Dichloropropane
Concen: 45.987 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV019595.D
Acq: 14 Dec 2020 10:36

Tgt Ion: 63 Resp: 234947
Ion Ratio Lower Upper
63 100
112 4.7 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

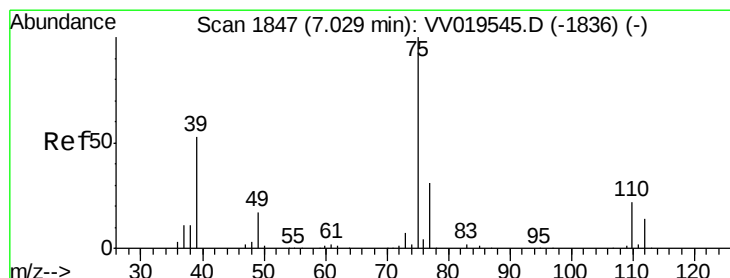
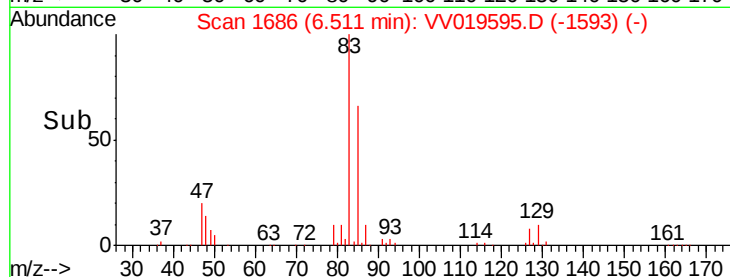
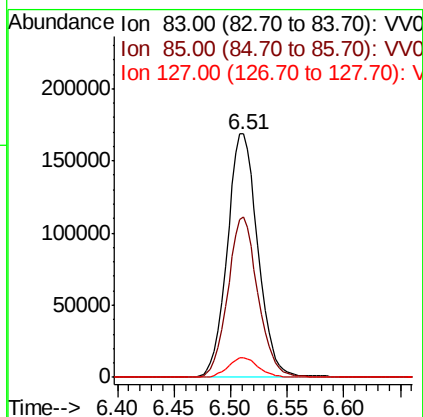
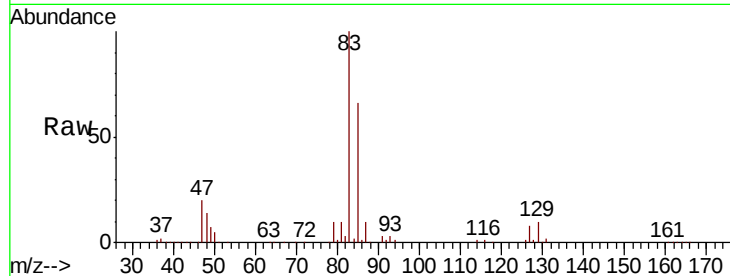




#38
Bromodichloromethane
Concen: 44.500 ug/L
RT: 6.51 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VV019595.D
Acq: 14 Dec 2020 10:36

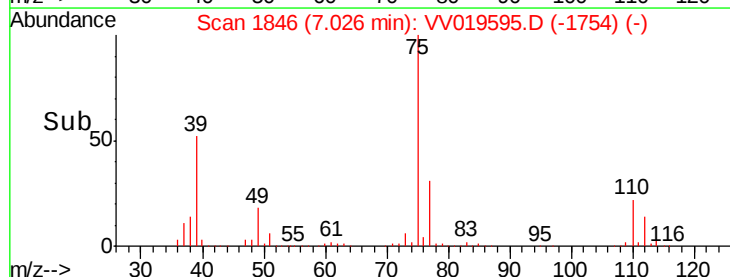
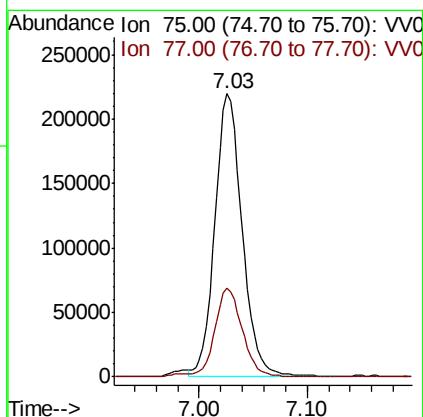
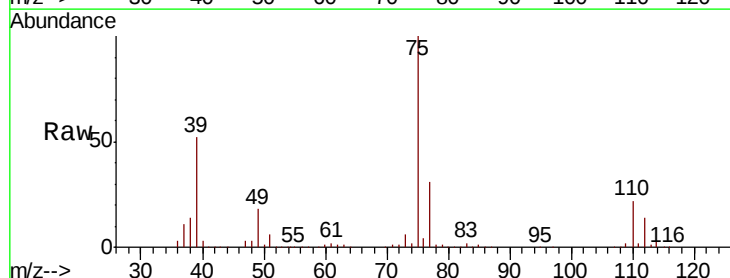
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

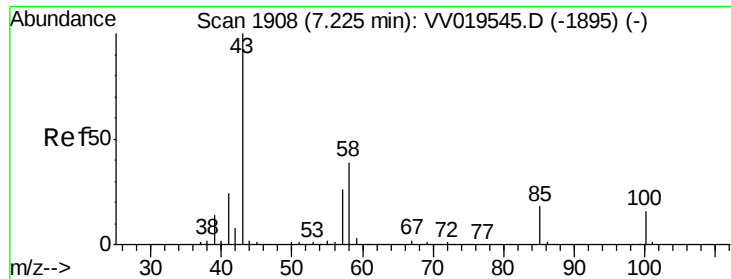
Tot Ion: 83 Resp: 317914
Ion Ratio Lower Upper
83 100
85 65.9 44.9 83.5
127 7.8 6.7 10.1



#39
cis-1,3-Dichloropropene
Concen: 45.365 ug/L
RT: 7.03 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VV019595.D
Acq: 14 Dec 2020 10:36

Tgt Ion: 75 Resp: 384934
Ion Ratio Lower Upper
75 100
77 31.4 22.4 41.6

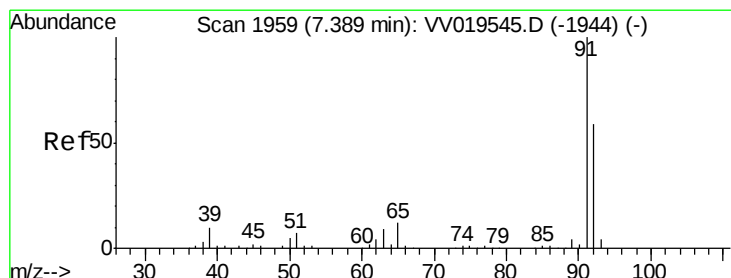
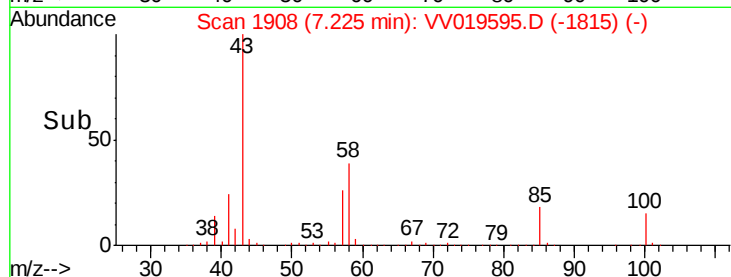
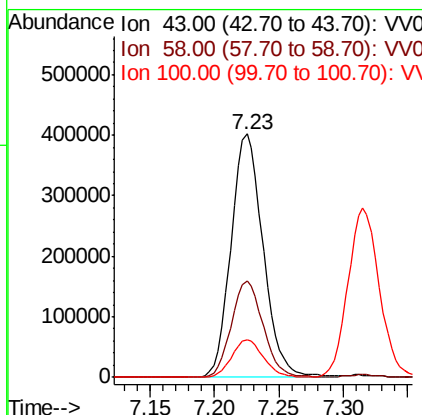
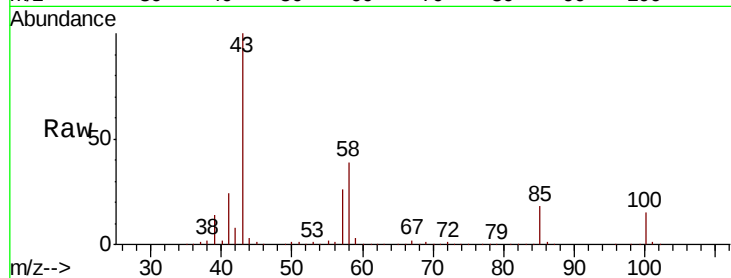




#40
4-Methyl-2-pentanone
Concen: 94.371 ug/L
RT: 7.23 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VV019595.D
Acq: 14 Dec 2020 10:36

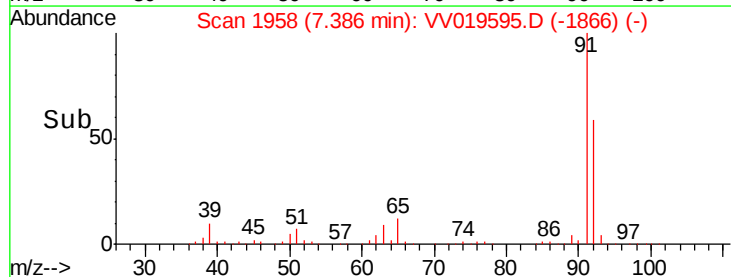
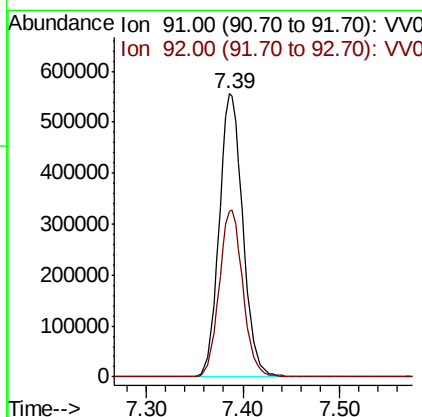
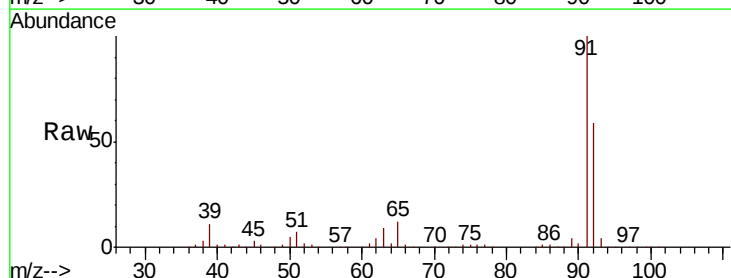
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

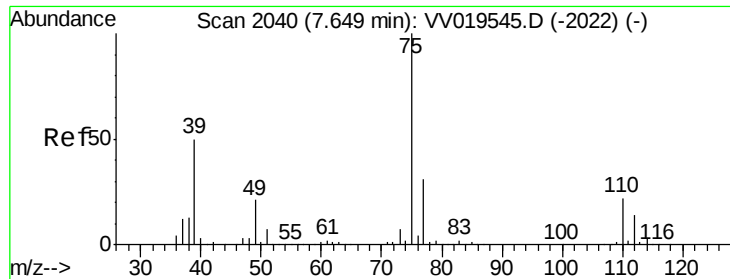
Tot Ion: 43 Resp: 695589
Ion Ratio Lower Upper
43 100
58 39.3 31.7 47.5
100 15.4 12.5 18.7



#42
Toluene
Concen: 45.564 ug/L
RT: 7.39 min Scan# 1958
Delta R.T. -0.00 min
Lab File: VV019595.D
Acq: 14 Dec 2020 10:36

Tgt Ion: 91 Resp: 939491
Ion Ratio Lower Upper
91 100
92 58.7 41.4 76.8





#44

trans-1,3-Dichloropropene

Concen: 44.579 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

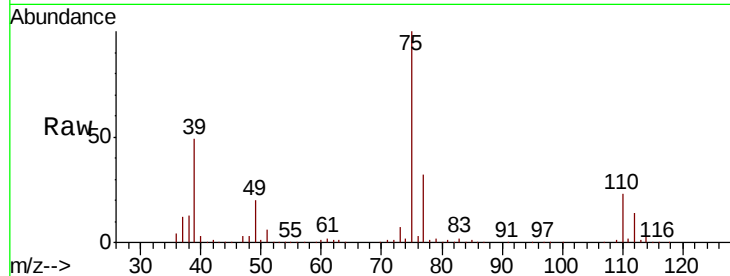
VSTD05087

Tot Ion: 75 Resp: 383010

Ion Ratio Lower Upper

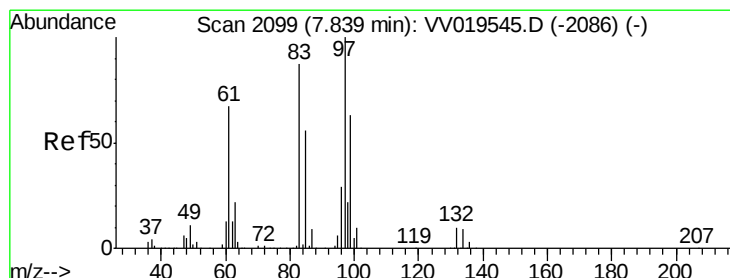
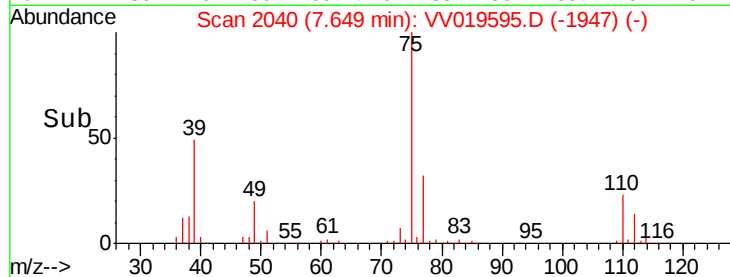
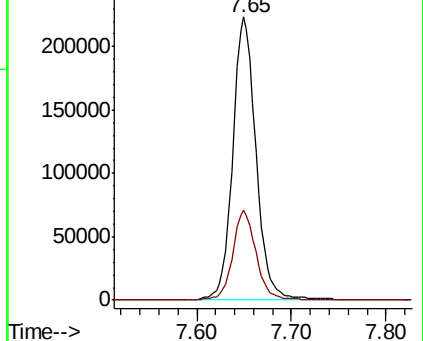
75 100

77 31.7 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#45

1,1,2-Trichloroethane

Concen: 44.964 ug/L

RT: 7.84 min Scan# 2099

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

Tgt Ion: 97 Resp: 218149

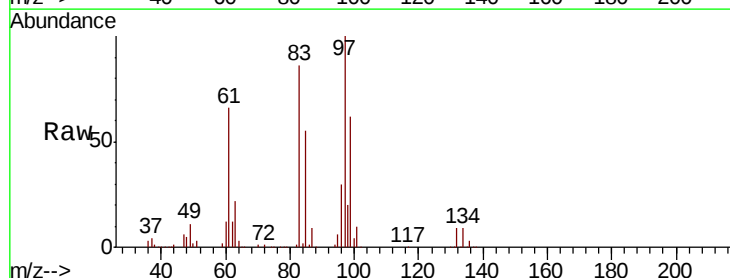
Ion Ratio Lower Upper

97 100

99 62.4 44.1 81.9

83 85.6 60.0 111.4

85 55.1 38.6 71.8

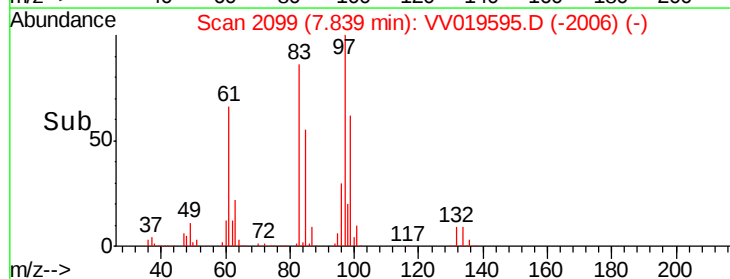
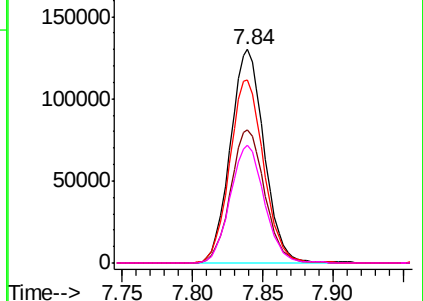


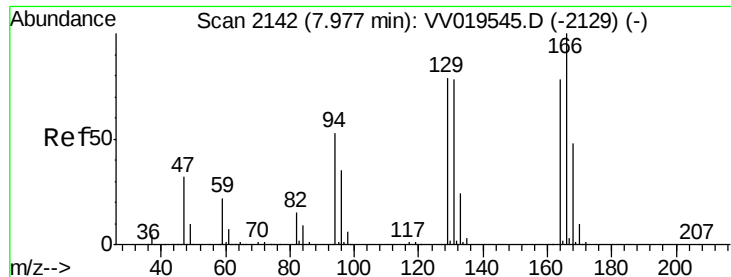
Abundance Ion 97.00 (96.70 to 97.70): VV0

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

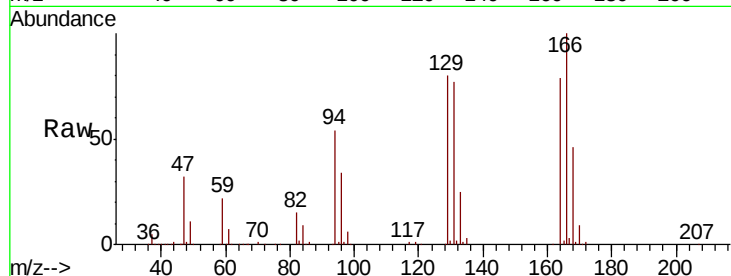




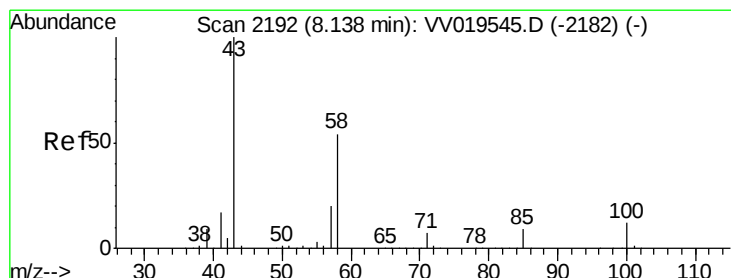
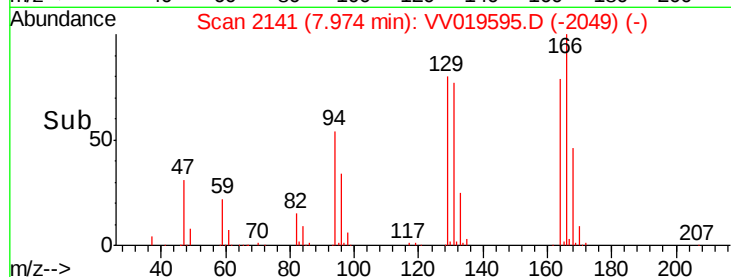
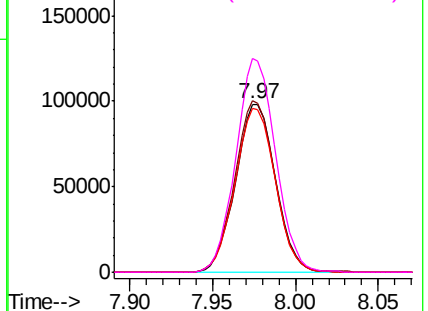
#46
Tetrachloroethene
Concen: 46.194 ug/L
RT: 7.97 min Scan# 2141
Delta R.T. -0.00 min
Lab File: VV019595.D
Acq: 14 Dec 2020 10:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tot Ion:164 Resp: 165186
Ion Ratio Lower Upper
164 100
129 101.8 70.6 131.0
131 97.3 68.0 126.4
166 126.9 86.9 161.5

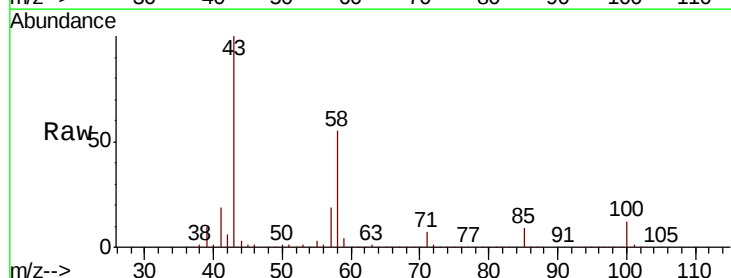


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

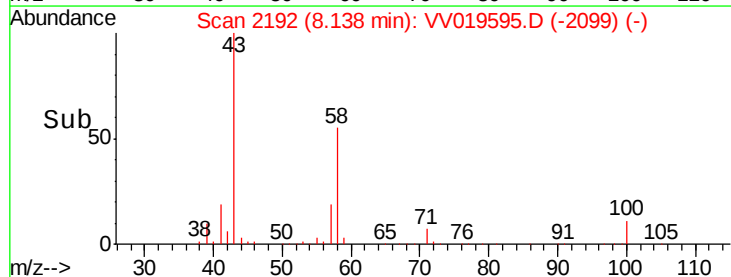
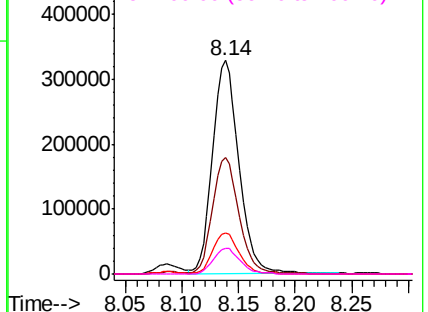


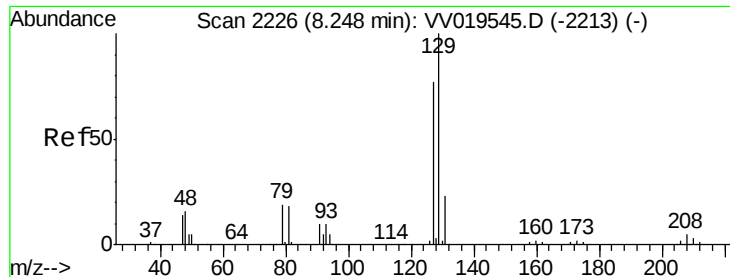
#48
2-Hexanone
Concen: 94.933 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VV019595.D
Acq: 14 Dec 2020 10:36

Tgt Ion: 43 Resp: 530941
Ion Ratio Lower Upper
43 100
58 54.5 44.4 66.6
57 19.3 15.7 23.5
100 12.4 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 44.906 ug/L

RT: 8.25 min Scan# 2226

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

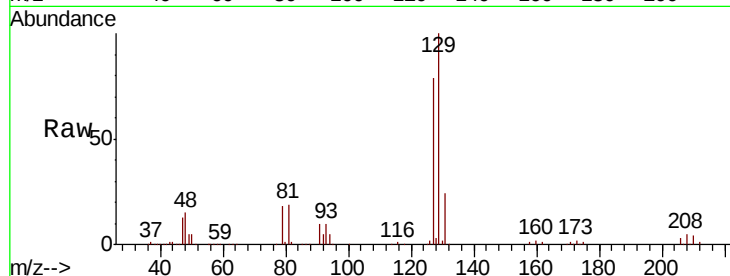
VSTD05087

Tot Ion:129 Resp: 238590

Ion Ratio Lower Upper

129 100

127 78.7 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.25

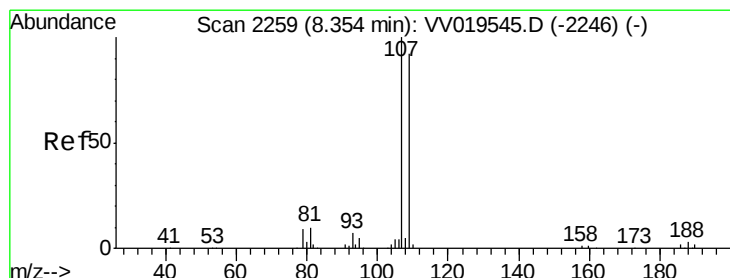
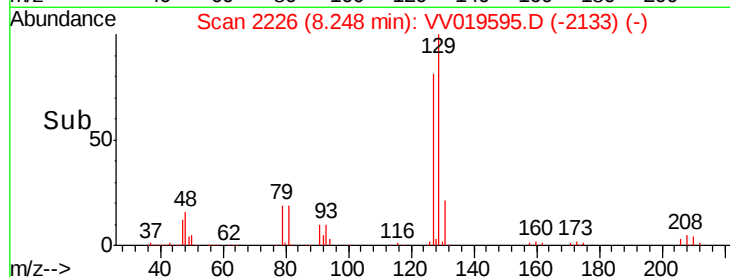
150000

100000

50000

0

Time-->



#50

1,2-Dibromoethane

Concen: 45.375 ug/L

RT: 8.35 min Scan# 2258

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

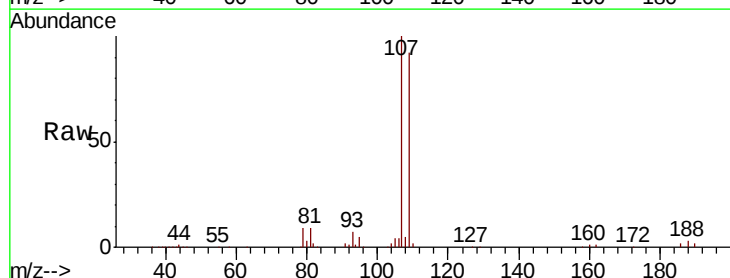
Tgt Ion:107 Resp: 231822

Ion Ratio Lower Upper

107 100

109 92.3 66.4 123.2

188 3.2 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

8.35

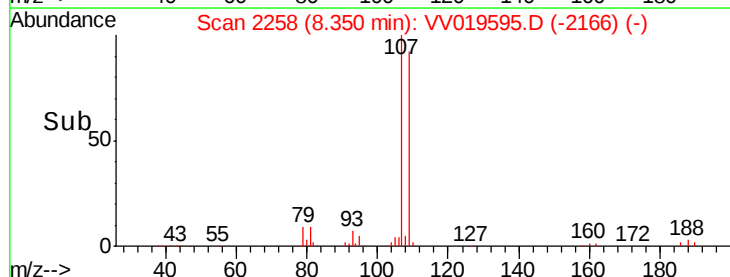
150000

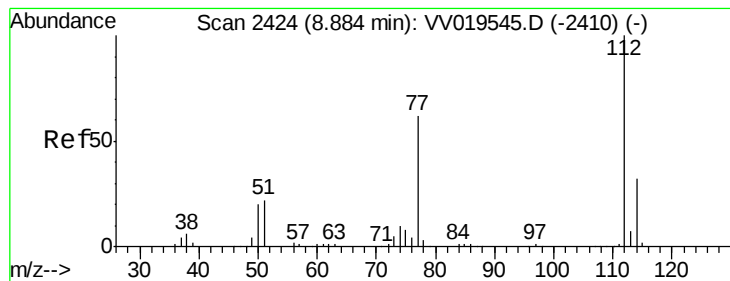
100000

50000

0

Time-->





#51

Chlorobenzene

Concen: 44.875 ug/L

RT: 8.88 min Scan# 2423

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

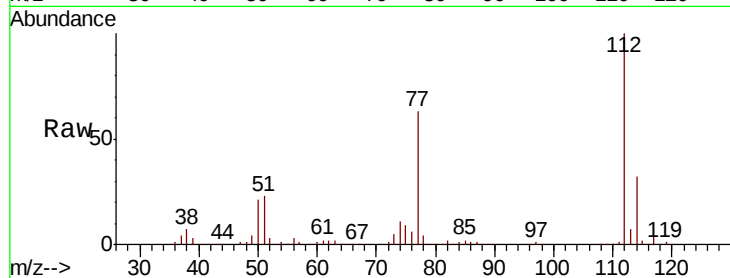
Tot Ion:112 Resp: 590968

Ion Ratio Lower Upper

112 100

114 31.5 22.2 41.2

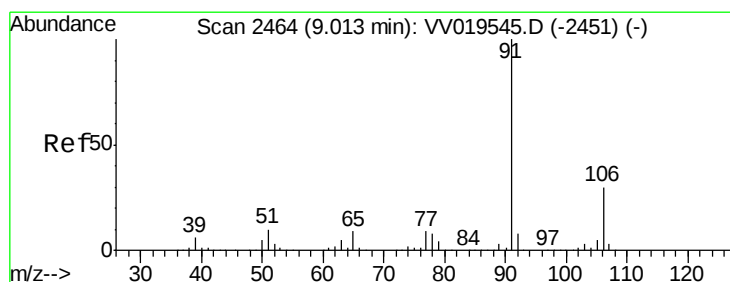
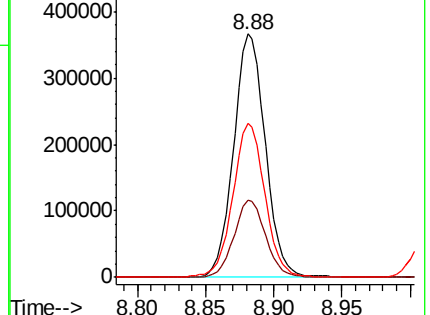
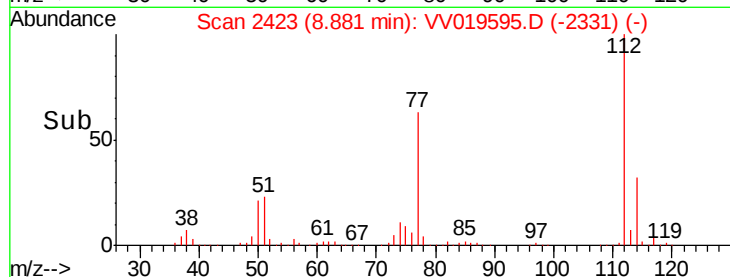
77 63.4 50.6 75.8



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): V



#52

Ethylbenzene

Concen: 45.655 ug/L

RT: 9.01 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VV019595.D

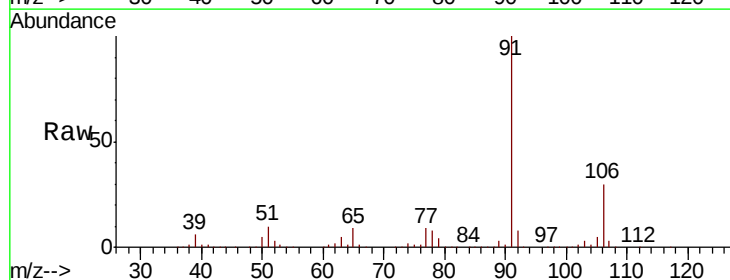
Acq: 14 Dec 2020 10:36

Tgt Ion: 91 Resp: 1072542

Ion Ratio Lower Upper

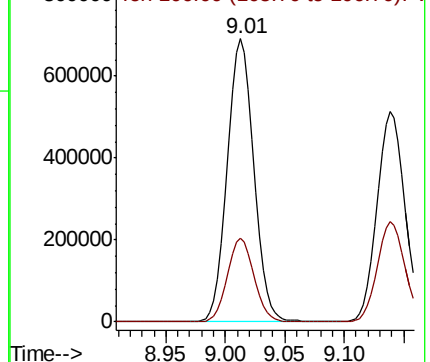
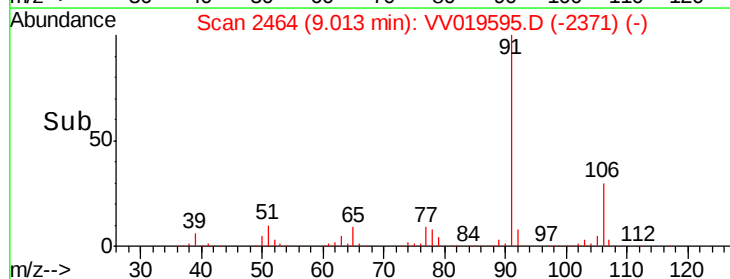
91 100

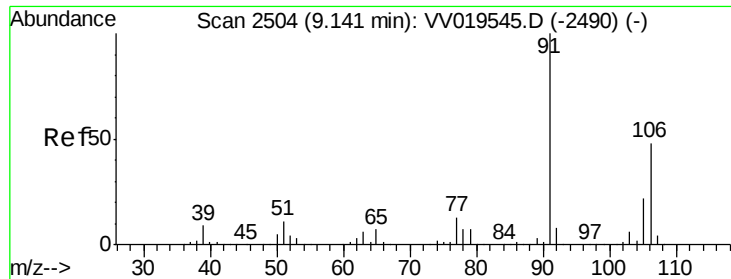
106 29.7 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 44.816 ug/L

RT: 9.14 min Scan# 2503

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

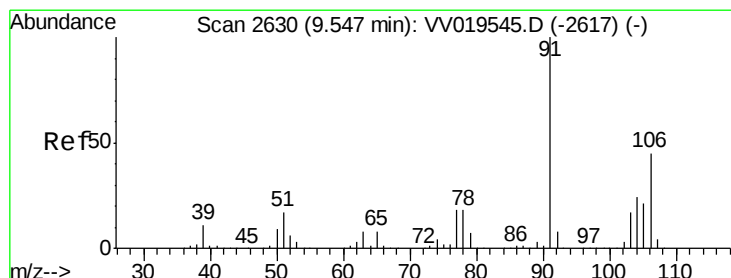
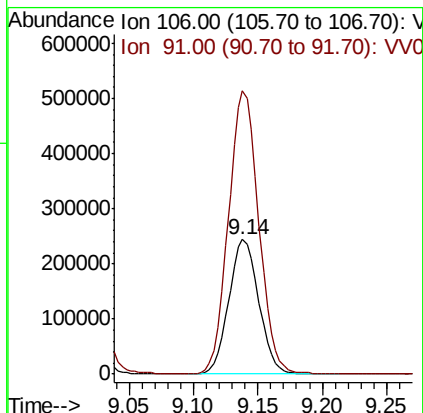
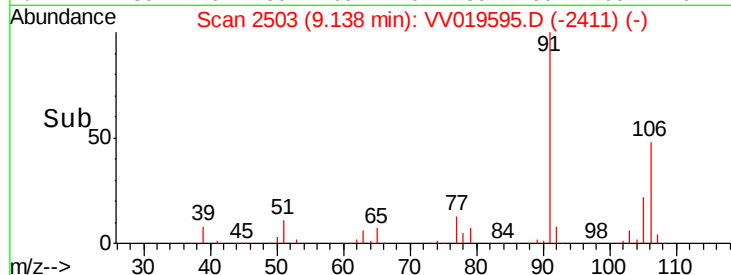
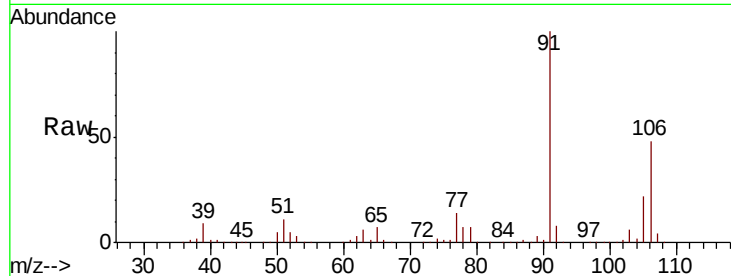
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tot Ion:106 Resp: 393332

Ion Ratio Lower Upper

106 100

91 210.4 147.7 274.3



#54

o-xylene

Concen: 44.949 ug/L

RT: 9.54 min Scan# 2629

Delta R.T. -0.00 min

Lab File: VV019595.D

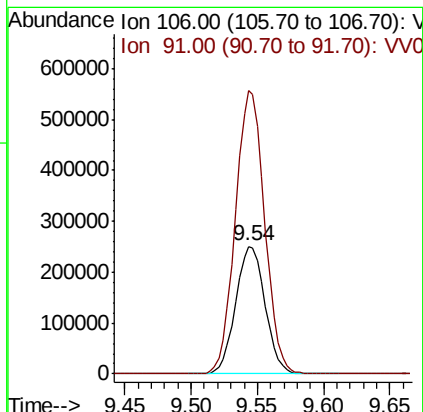
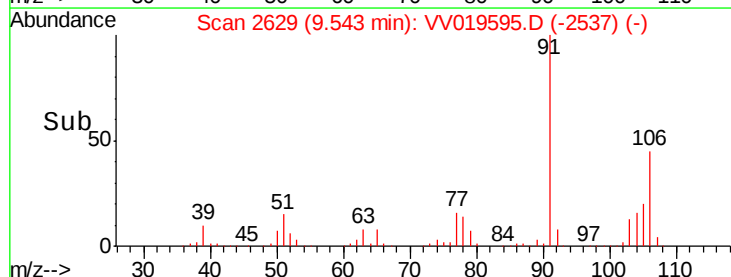
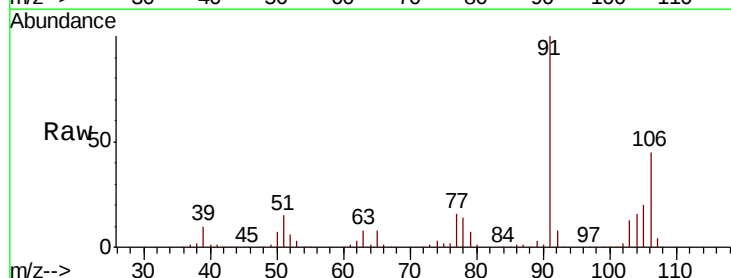
Acq: 14 Dec 2020 10:36

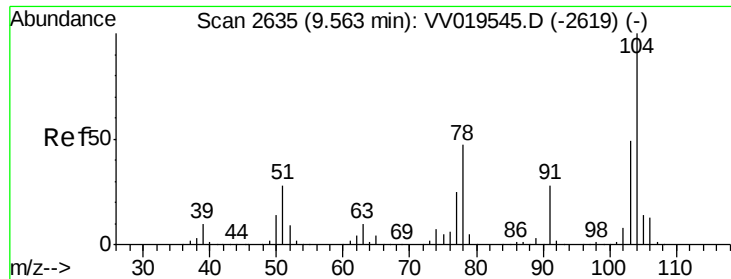
Tgt Ion:106 Resp: 386675

Ion Ratio Lower Upper

106 100

91 221.8 156.7 291.1





#55

Stvrene

Concen: 45.168 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

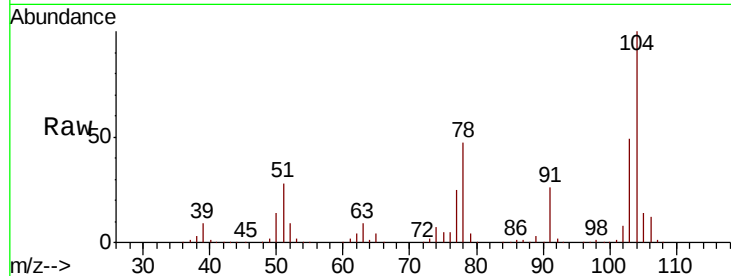
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tot Ion:104 Resp: 677215

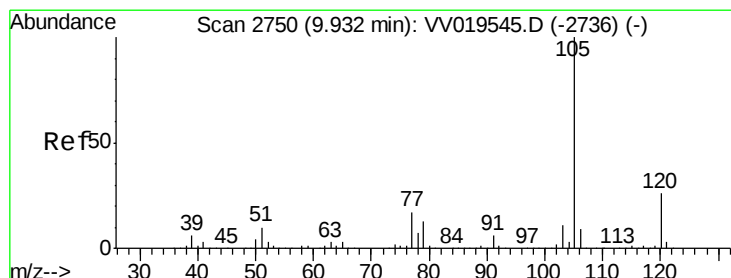
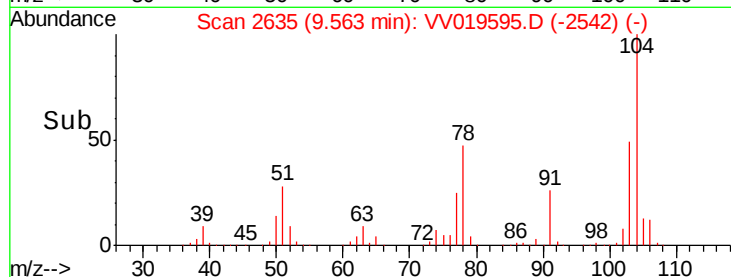
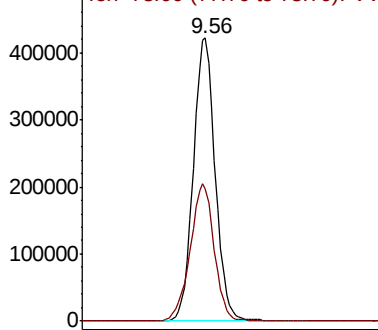
Ion Ratio Lower Upper

104 100

78 47.0 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: 45.928 ug/L

RT: 9.93 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

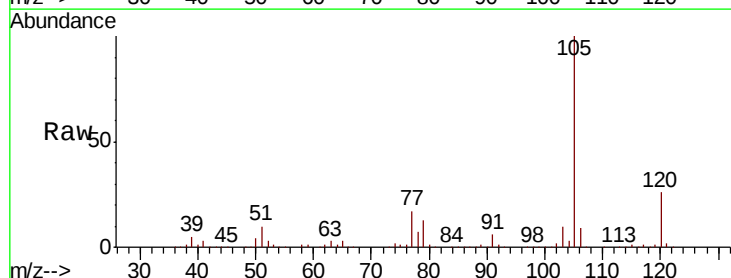
Tgt Ion:105 Resp: 1052563

Ion Ratio Lower Upper

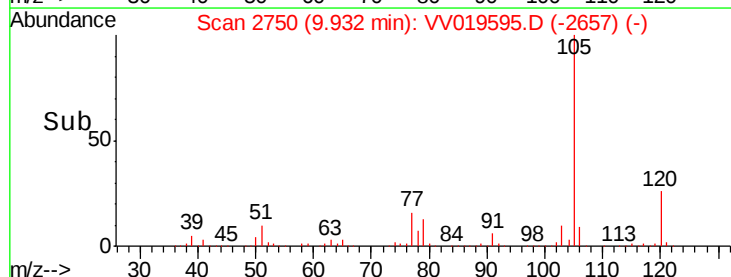
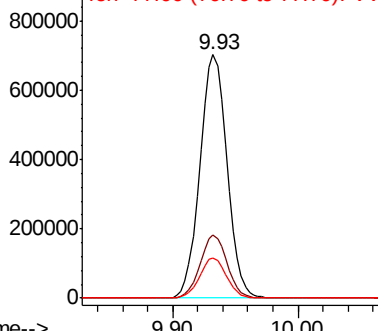
105 100

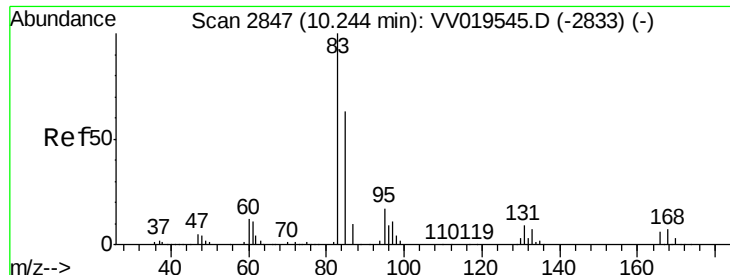
120 25.7 20.6 31.0

77 16.4 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): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 45.759 ug/L

RT: 10.24 min Scan# 2847

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

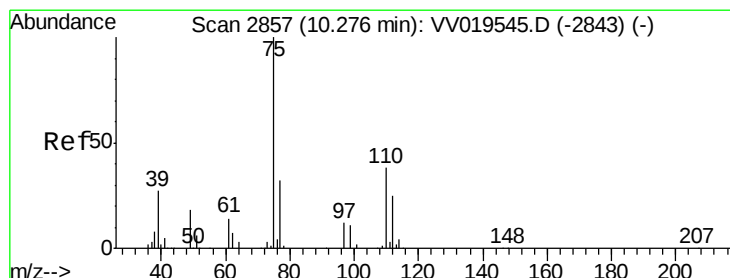
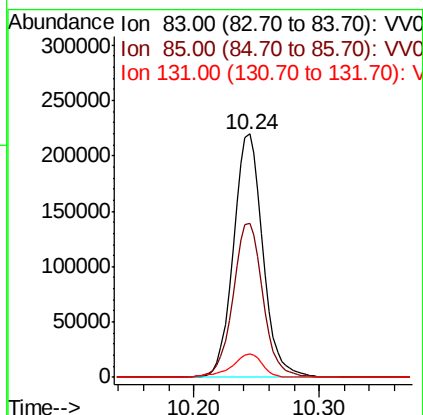
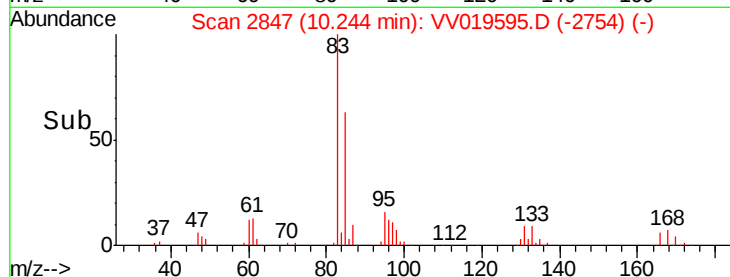
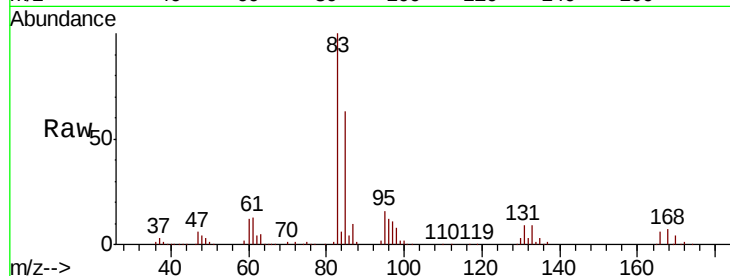
Tot Ion: 83 Resp: 357016

Ion Ratio Lower Upper

83 100

85 63.4 44.9 83.5

131 9.4 7.6 11.4



#59

1,2,3-Trichloropropane

Concen: 46.259 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. -0.00 min

Lab File: VV019595.D

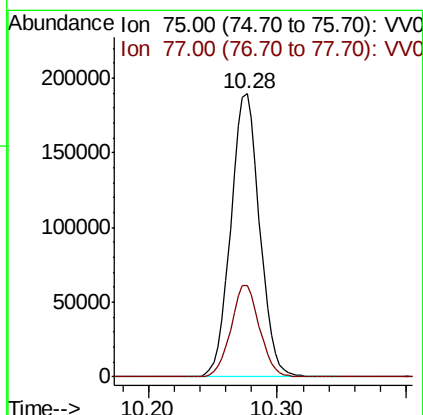
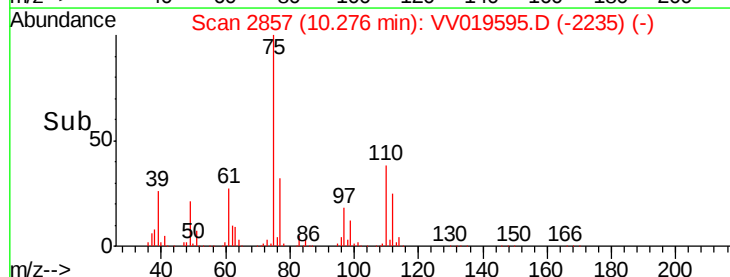
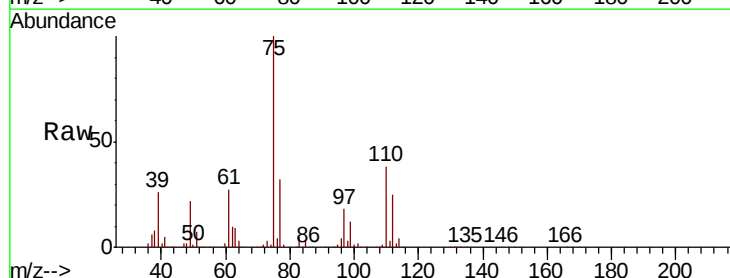
Acq: 14 Dec 2020 10:36

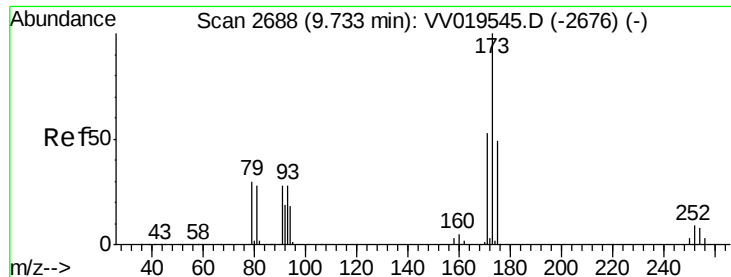
Tgt Ion: 75 Resp: 293965

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8





#61

Bromoform

Concen: 44.002 ug/L

RT: 9.73 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

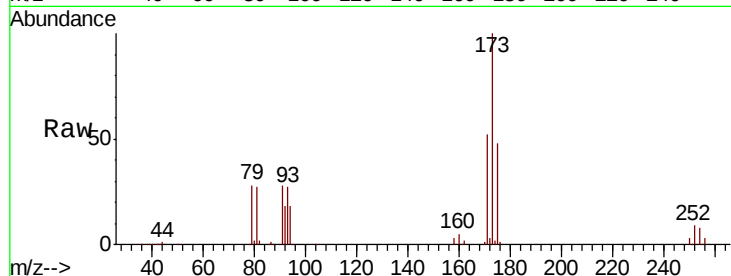
Tot Ion:173 Resp: 159778

Ion Ratio Lower Upper

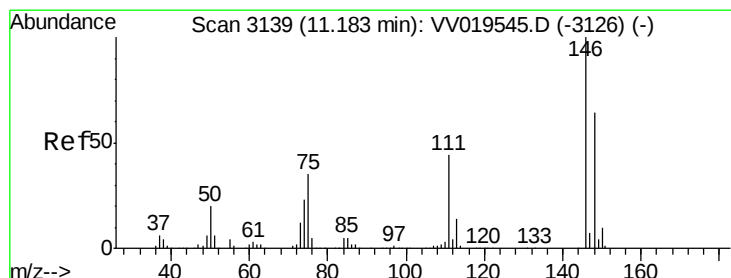
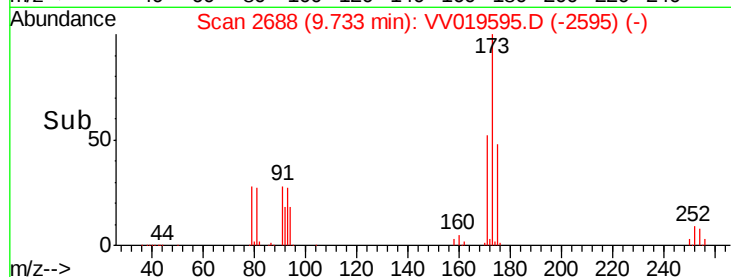
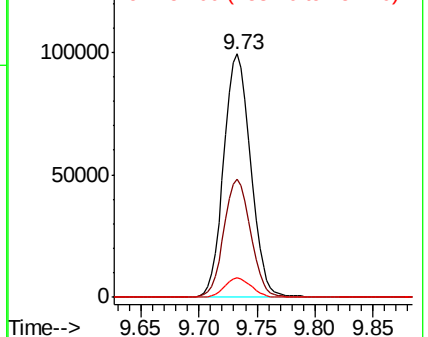
173 100

175 48.1 38.4 57.6

254 7.9 6.6 10.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 44.733 ug/L

RT: 11.18 min Scan# 3139

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

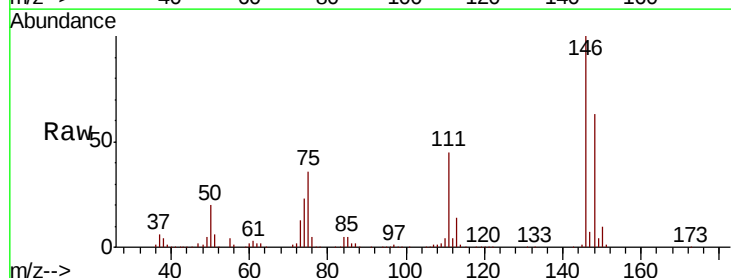
Tgt Ion:146 Resp: 450399

Ion Ratio Lower Upper

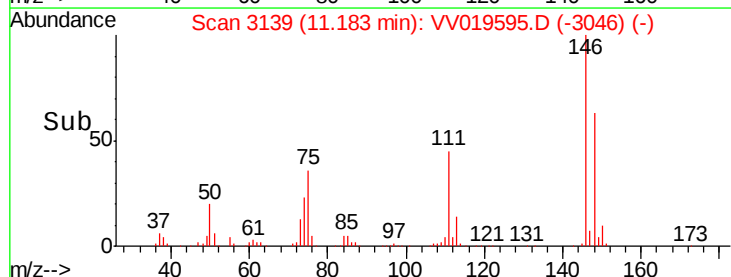
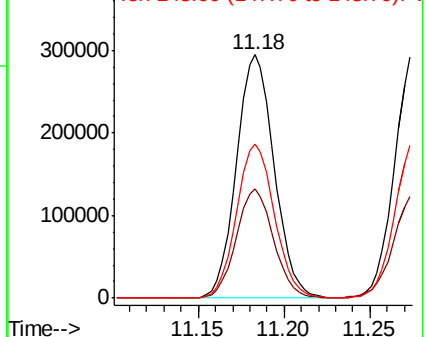
146 100

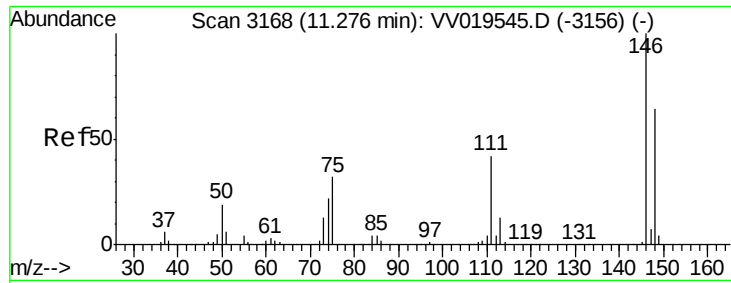
111 44.6 30.7 57.1

148 63.4 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

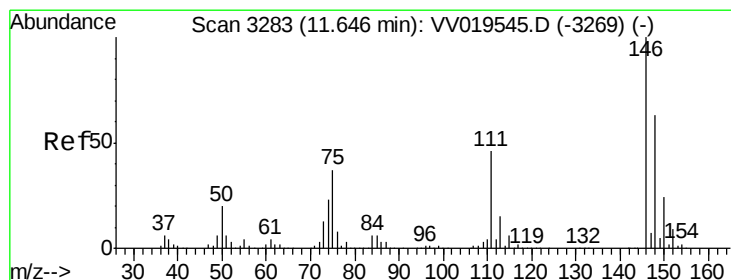
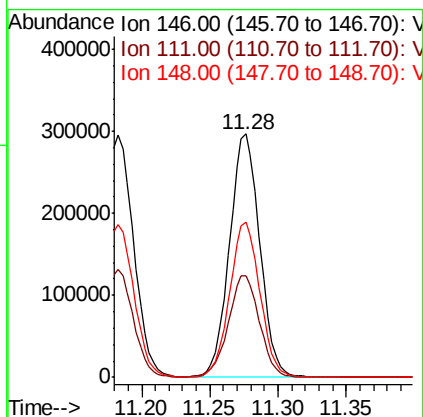
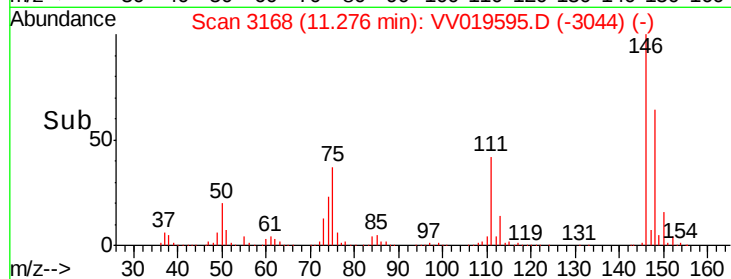
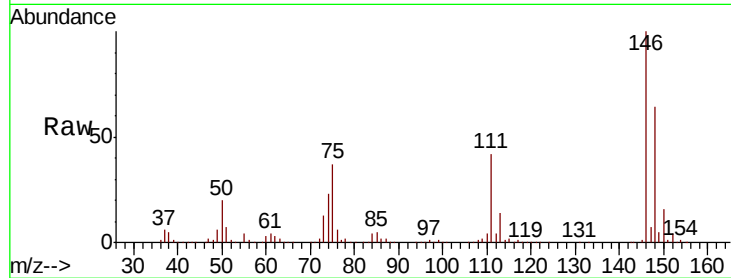




#63
 1,4-Dichlorobenzene
 Concen: 44.769 ug/L
 RT: 11.28 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VV019595.D
 Acq: 14 Dec 2020 10:36

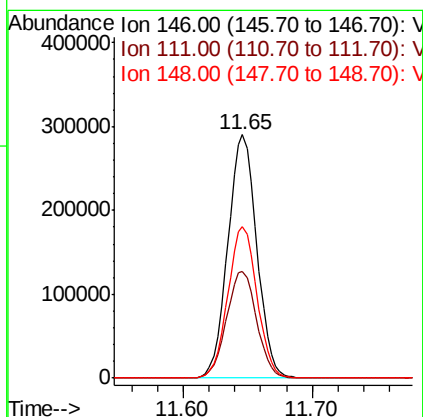
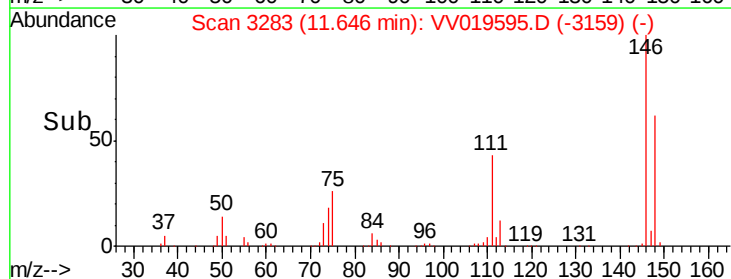
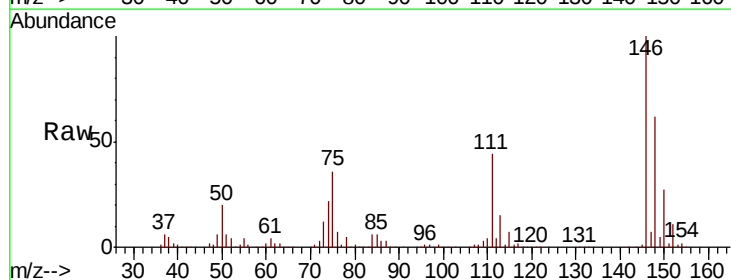
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

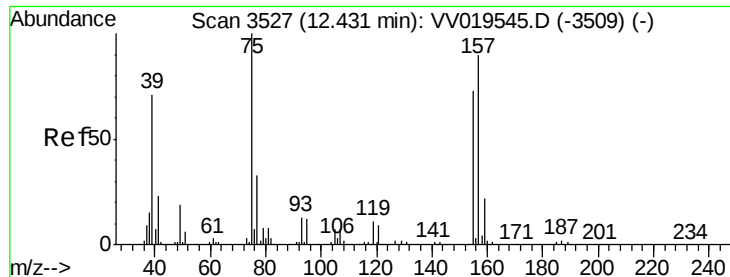
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	29.8	55.4
148	63.5	44.2	82.0



#65
 1,2-Dichlorobenzene
 Concen: 45.297 ug/L
 RT: 11.65 min Scan# 3283
 Delta R.T. -0.00 min
 Lab File: VV019595.D
 Acq: 14 Dec 2020 10:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	36.6	55.0
148	62.5	50.7	76.1





#66

1,2-Dibromo-3-chloropropane

Concen: 44.506 ug/L

RT: 12.43 min Scan# 3527

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

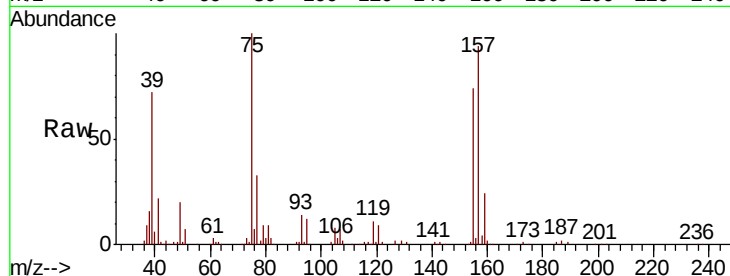
Tot Ion: 75 Resp: 92430

Ion Ratio Lower Upper

75 100

155 74.2 61.1 91.7

157 94.4 78.7 118.1

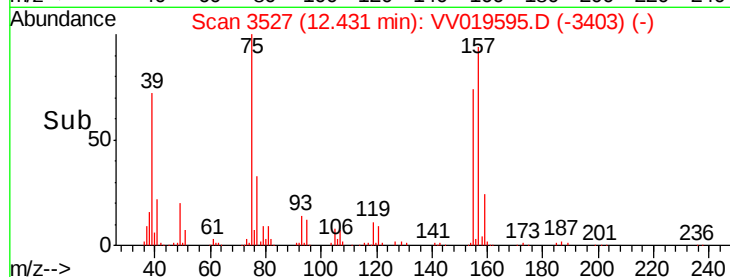


Abundance Ion 75.00 (74.70 to 75.70): VV019545.D (-3509) (-)

Ion 155.00 (154.70 to 155.70): VV019545.D (-3509) (-)

Ion 157.00 (156.70 to 157.70): VV019545.D (-3509) (-)

Time-->

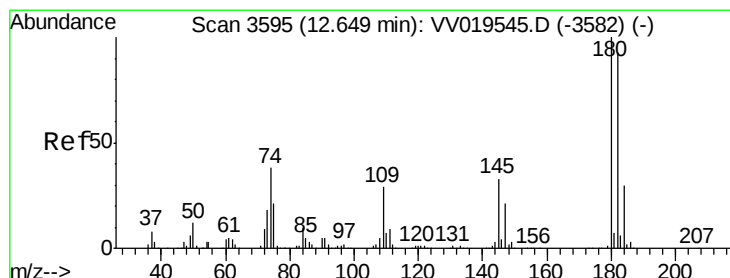


Abundance Ion 75.00 (74.70 to 75.70): VV019595.D (-3403) (-)

Ion 155.00 (154.70 to 155.70): VV019595.D (-3403) (-)

Ion 157.00 (156.70 to 157.70): VV019595.D (-3403) (-)

Time-->



#67

1,3,5-Trichlorobenzene

Concen: 46.837 ug/L

RT: 12.65 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VV019595.D

Acq: 14 Dec 2020 10:36

Tgt Ion: 180 Resp: 333187

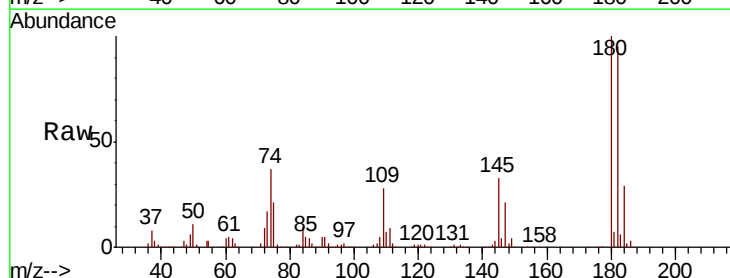
Ion Ratio Lower Upper

180 100

182 94.3 75.8 113.6

184 29.9 23.9 35.9

145 33.3 26.2 39.2



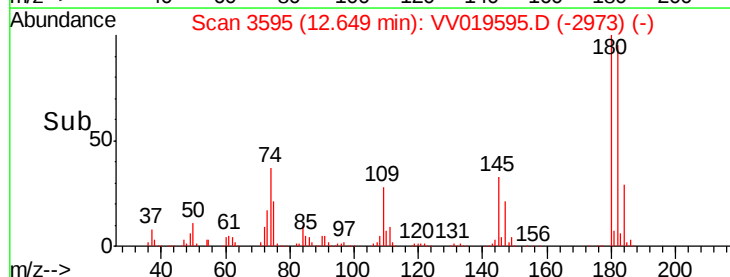
Abundance Ion 180.00 (179.70 to 180.70): VV019545.D (-3582) (-)

Ion 182.00 (181.70 to 182.70): VV019545.D (-3582) (-)

Ion 184.00 (183.70 to 184.70): VV019545.D (-3582) (-)

Ion 145.00 (144.70 to 145.70): VV019545.D (-3582) (-)

Time-->



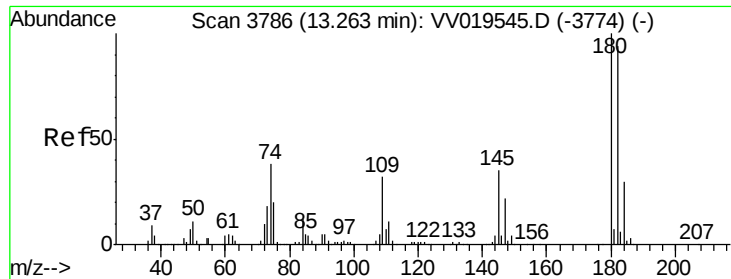
Abundance Ion 180.00 (179.70 to 180.70): VV019595.D (-2973) (-)

Ion 182.00 (181.70 to 182.70): VV019595.D (-2973) (-)

Ion 184.00 (183.70 to 184.70): VV019595.D (-2973) (-)

Ion 145.00 (144.70 to 145.70): VV019595.D (-2973) (-)

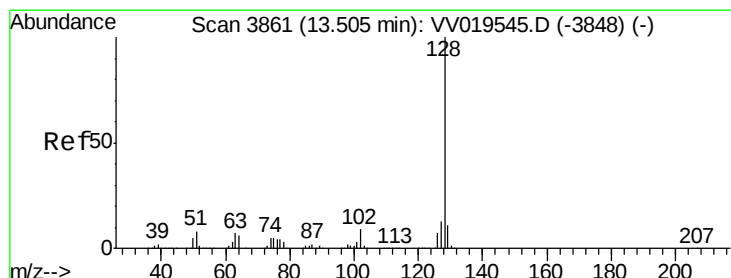
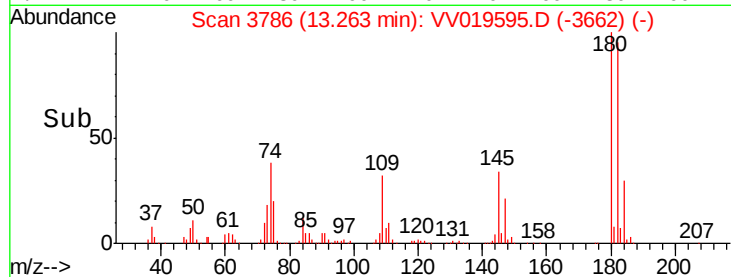
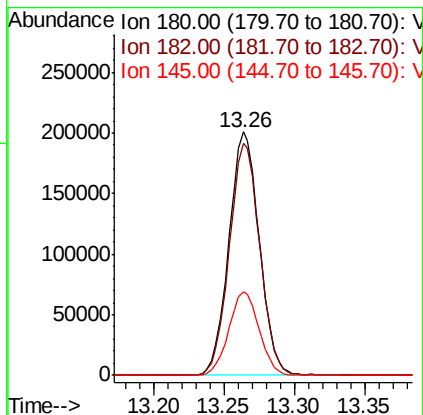
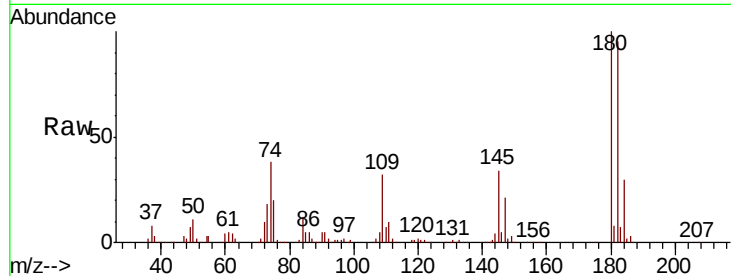
Time-->



#68
 1,2,4-trichlorobenzene
 Concen: 45.563 ug/L
 RT: 13.26 min Scan# 3786
 Delta R.T. -0.00 min
 Lab File: VV019595.D
 Acq: 14 Dec 2020 10:36

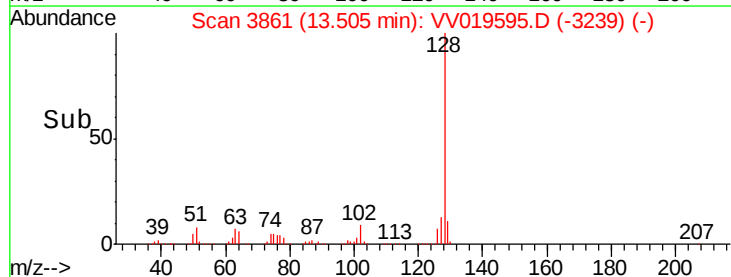
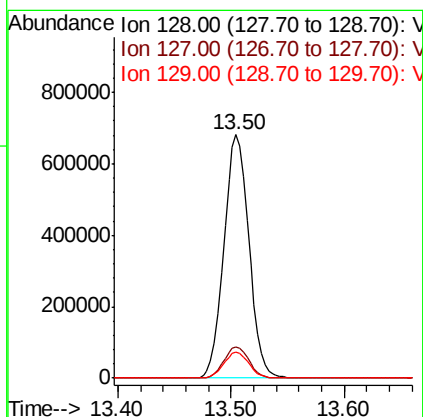
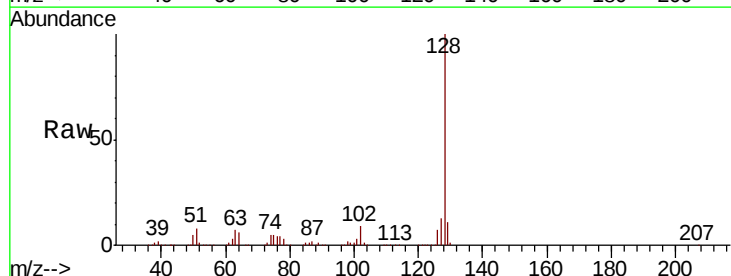
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

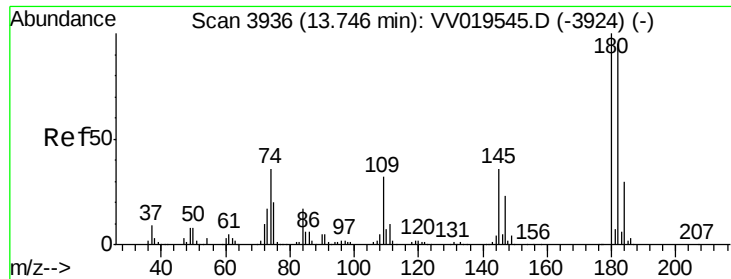
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.5	114.7
145	34.3	27.0	40.6



#69
 Naphthalene
 Concen: 45.410 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. -0.00 min
 Lab File: VV019595.D
 Acq: 14 Dec 2020 10:36

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	12.8





#70
 1,2,3-Trichlorobenzene
 Concen: 45.721 ug/L
 RT: 13.75 min Scan# 3936
 Delta R.T. -0.00 min
 Lab File: VV019595.D
 Acq: 14 Dec 2020 10:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Tot Ion:	180	Resp:	297185
Ion Ratio	Lower	Upper	
180	100		
182	93.8	75.8	113.6
145	35.8	29.1	43.7

