

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050520\
 Data File : VV015895.D
 Acq On : 05 May 2020 11:44
 Operator : SY/MD
 Sample : VSTD00532
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

Quant Time: May 05 17:46:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 05 17:39:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	161529	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	154993	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	79012	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	47989	5.49	ug/L	0.00
7) Chloroethane-d5	1.57	69	41992	5.10	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	97993	5.21	ug/L	0.00
20) 2-Butanone-d5	3.95	46	131321	48.96	ug/L	0.00
24) Chloroform-d	4.38	84	94788	4.84	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	56421	5.07	ug/L	0.00
32) Benzene-d6	5.07	84	192369	5.17	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	58559	4.98	ug/L	0.00
41) Toluene-d8	7.34	98	181948	5.16	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	24171	5.22	ug/L	0.00
46) 2-Hexanone-d5	8.11	63	106209	48.61	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	42365	4.86	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	64261	4.80	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	65151	4.775	ug/L 100
3) Chloromethane	1.24	50	63270	5.226	ug/L 100
5) Vinyl chloride	1.32	62	61983	4.879	ug/L 100
6) Bromomethane	1.53	94	33368	5.784	ug/L 100
8) Chloroethane	1.59	64	36056	4.460	ug/L 100
9) Trichlorofluoromethane	1.76	101	84005	4.733	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	47658	4.779	ug/L 100
12) 1,1-Dichloroethene	2.13	96	43977	4.747	ug/L 100
13) Acetone	2.24	43	83857	45.740	ug/L 100
14) Carbon disulfide	2.30	76	148249	5.433	ug/L 100
15) Methyl Acetate	2.47	43	19672	4.546	ug/L 100
16) Methylene chloride	2.52	84	53856	4.655	ug/L 100
17) Methyl tert-butyl Ether	2.79	73	120821	4.667	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	51150	4.887	ug/L 100
19) 1,1-Dichloroethane	3.21	63	97537	4.785	ug/L 100
21) 2-Butanone	4.04	43	134735	47.450	ug/L 100
22) cis-1,2-Dichloroethene	3.94	96	52159	4.572	ug/L 100
23) Bromochloromethane	4.28	128	22321	4.751	ug/L 100
25) Chloroform	4.40	83	106319	4.869	ug/L 100
27) 1,2-Dichloroethane	5.16	62	66725	4.708	ug/L 100
29) 1,1,1-Trichloroethane	4.63	97	89623	4.670	ug/L 100
30) Cyclohexane	4.70	56	90492	4.876	ug/L 100
31) Carbon tetrachloride	4.85	117	76224	4.768	ug/L 100
33) Benzene	5.12	78	208491	4.795	ug/L 100
34) Trichloroethene	5.94	95	56773	4.724	ug/L 100
35) Methylcyclohexane	6.15	83	91044	4.904	ug/L 100
37) 1,2-Dichloropropane	6.20	63	52230	4.725	ug/L 100
38) Bromodichloromethane	6.53	83	64886	4.633	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	74011	4.786	ug/L 100
40) 4-Methyl-2-pentanone	7.25	43	344412	48.032	ug/L 100

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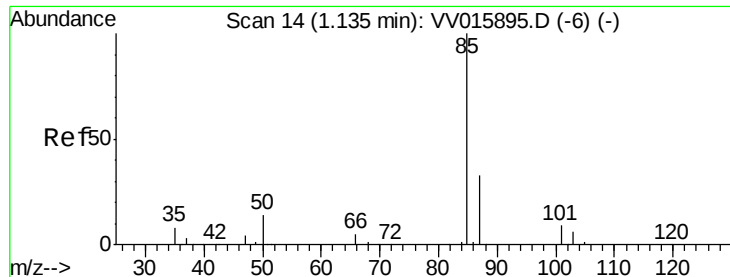
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	221053	4.758	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	63248	4.887	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	35497	4.743	ug/L	100
47) Tetrachloroethene	8.00	164	41306	4.775	ug/L	100
48) 2-Hexanone	8.16	43	244913	48.120	ug/L	100
49) Dibromochloromethane	8.27	129	37998	4.832	ug/L	100
50) 1,2-Dibromoethane	8.38	107	32700	4.721	ug/L	100
51) Chlorobenzene	8.90	112	141344	4.646	ug/L	100
52) Ethylbenzene	9.03	91	253174	4.717	ug/L	100
53) m,p-xylene	9.16	106	94704	4.805	ug/L	100
54) o-xylene	9.57	106	90445	4.764	ug/L	100
55) Styrene	9.58	104	153109	4.764	ug/L	100
56) Isopropylbenzene	9.95	105	246724	4.638	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	40774	4.660	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	31884	4.557	ug/L	100
61) Bromoform	9.75	173	16884	5.074	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	112075	4.578	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	111354	4.513	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	102005	4.613	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	6849	4.757	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	83077	4.573	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	70604	4.296	ug/L	100
69) Naphthalene	13.53	128	123465	4.186	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	63677	4.364	ug/L	100

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

```
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ALS Vial  : 4    Sample Multiplier: 1
```



#2

Dichlorodifluoromethane

Concen: 4.775 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

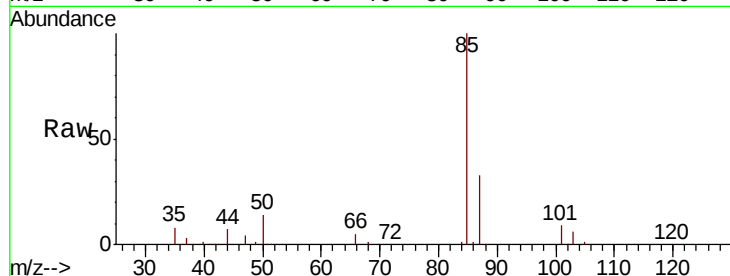
VSTD00532

Tot Ion: 85 Resp: 65151

Ion Ratio Lower Upper

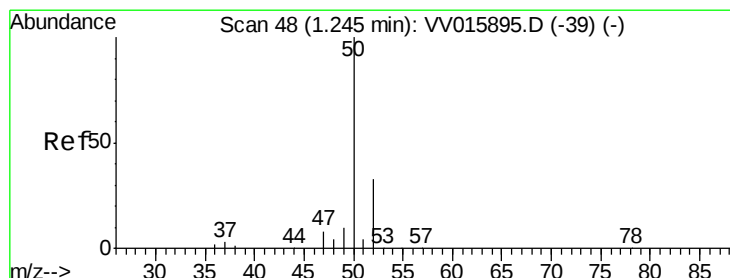
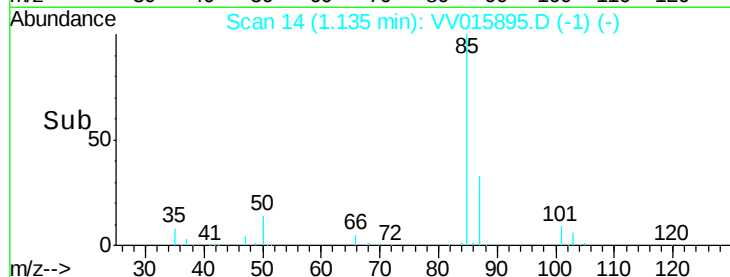
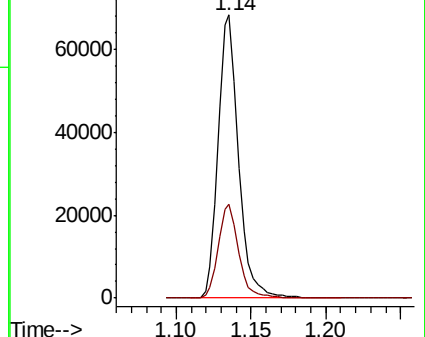
85 100

87 33.0 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV015895.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015895.D (-6) (-)



#3

Chloromethane

Concen: 5.226 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV015895.D

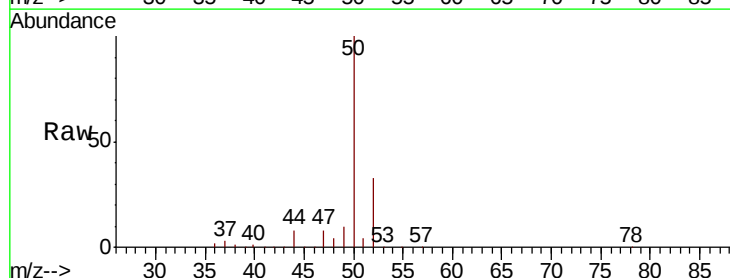
Acq: 05 May 2020 11:44

Tgt Ion: 50 Resp: 63270

Ion Ratio Lower Upper

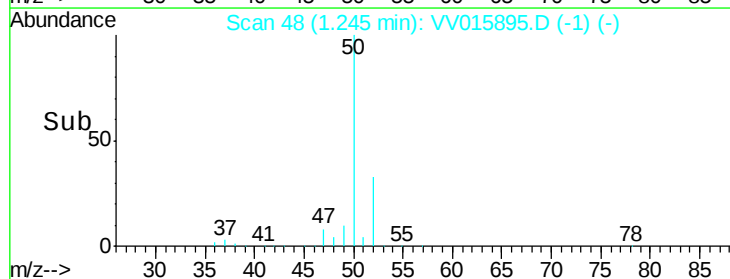
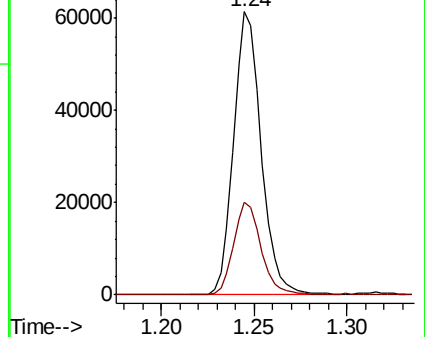
50 100

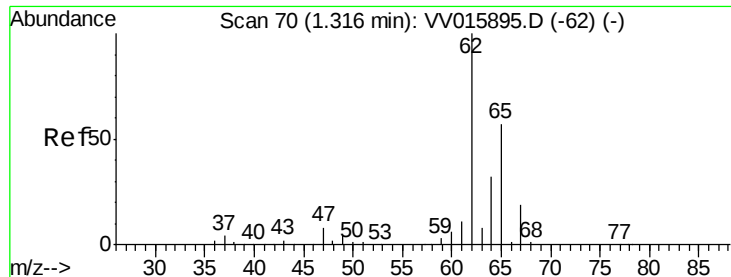
52 32.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV015895.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV015895.D (-39) (-)





#5

Vinyl chloride

Concen: 4.879 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

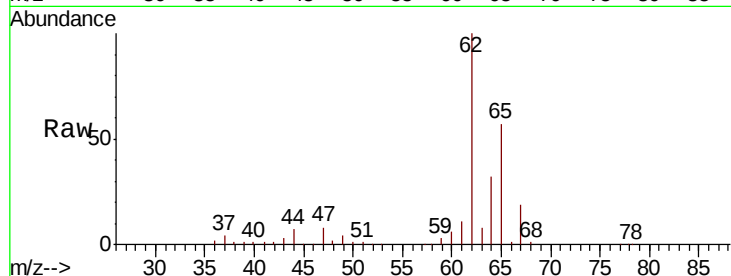
VSTD00532

Tot Ion: 62 Resp: 61983

Ion Ratio Lower Upper

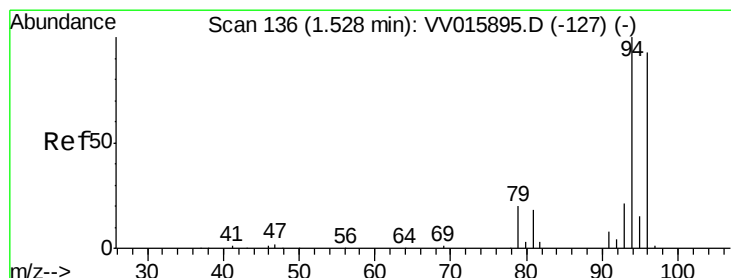
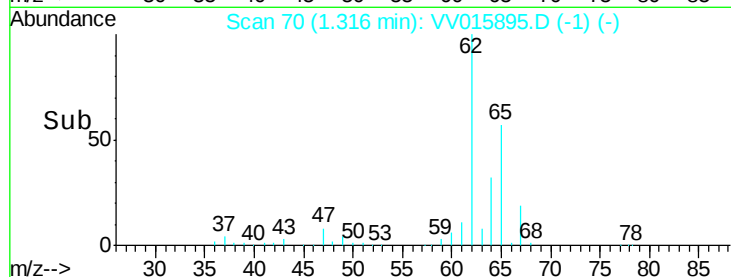
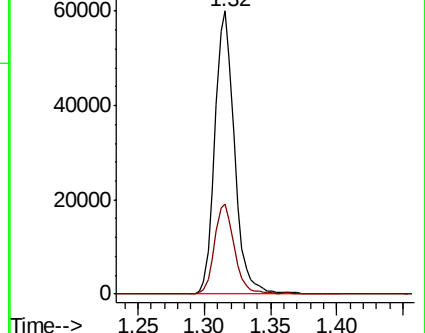
62 100

64 32.0 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV015895.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV015895.D (-62) (-)



#6

Bromomethane

Concen: 5.784 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV015895.D

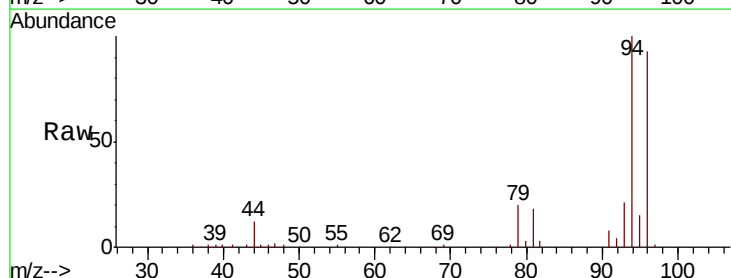
Acq: 05 May 2020 11:44

Tgt Ion: 94 Resp: 33368

Ion Ratio Lower Upper

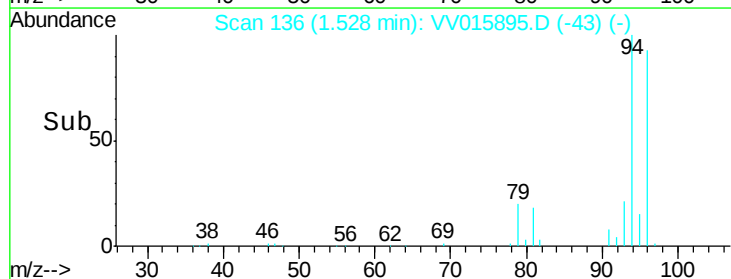
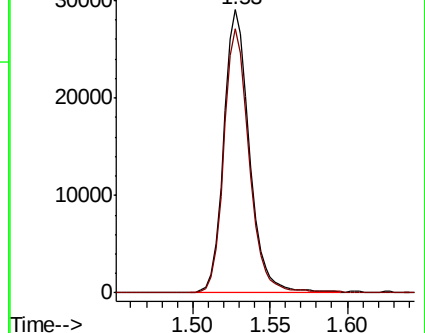
94 100

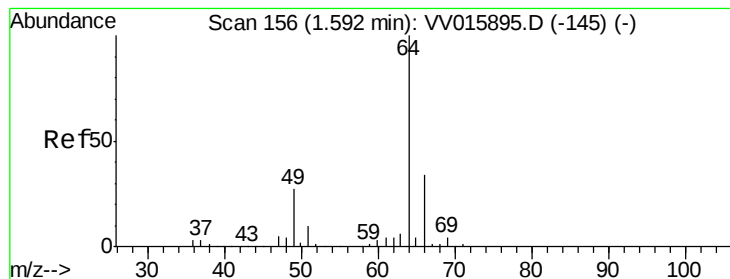
96 93.4 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV015895.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV015895.D (-127) (-)





#8

Chloroethane

Concen: 4.460 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

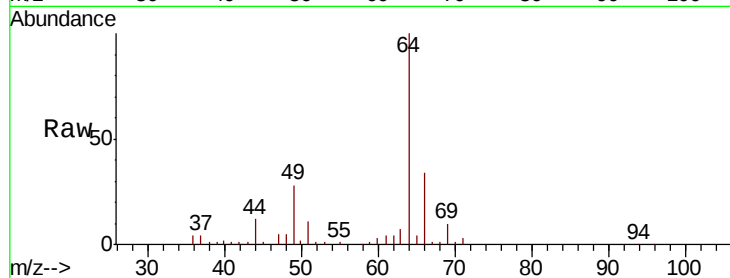
VSTD00532

Tot Ion: 64 Resp: 36056

Ion Ratio Lower Upper

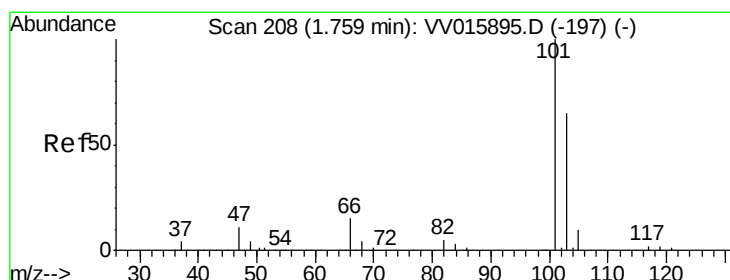
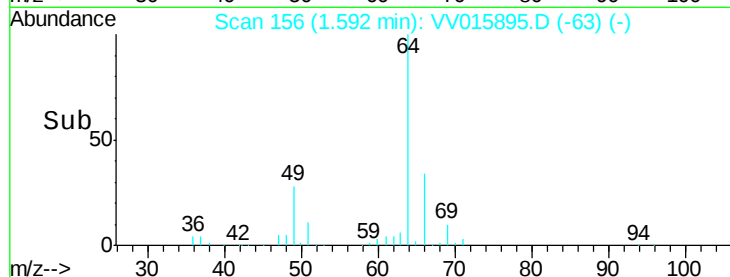
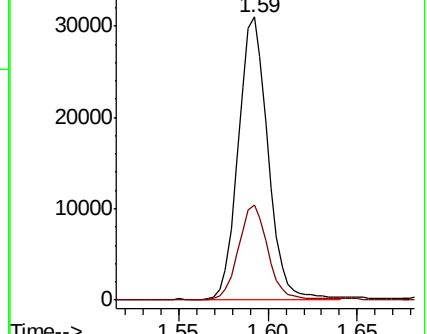
64 100

66 33.7 23.6 43.8



Abundance Ion 64.10 (63.80 to 64.80): VV015895.D (-145) (-)

Ion 66.05 (65.75 to 66.75): VV015895.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 4.733 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV015895.D

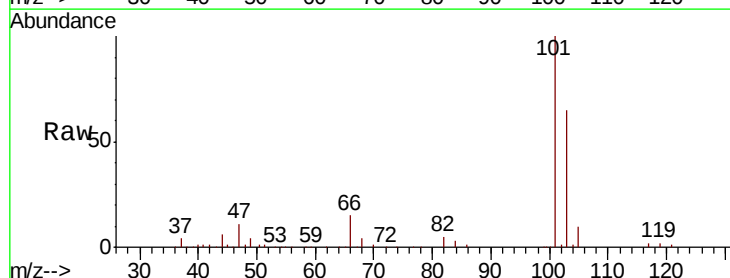
Acq: 05 May 2020 11:44

Tgt Ion: 101 Resp: 84005

Ion Ratio Lower Upper

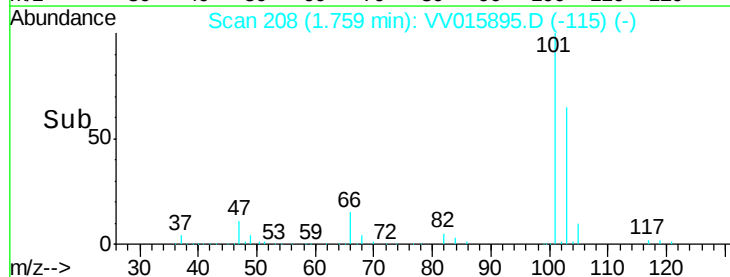
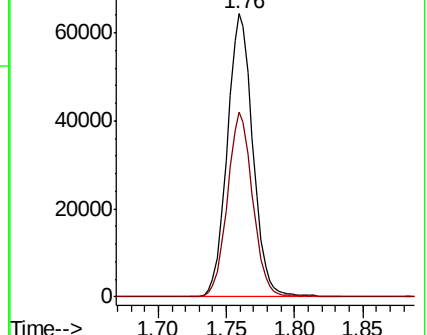
101 100

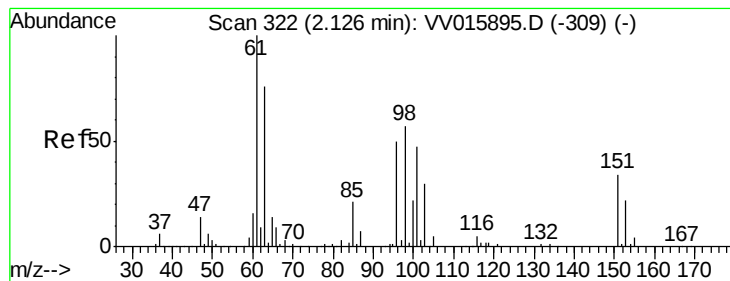
103 64.3 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV015895.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV015895.D (-197) (-)





#10

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

Concen: 4.779 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD00532

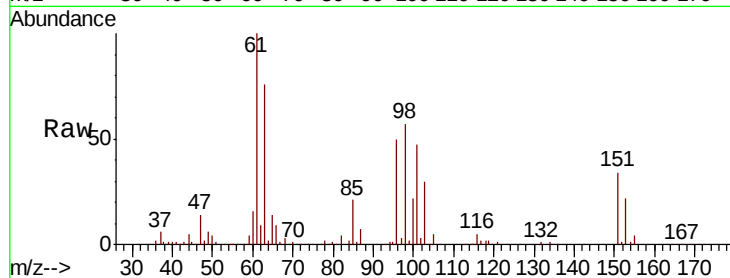
Tot Ion:101 Resp: 47658

Ion Ratio Lower Upper

101 100

85 44.6 35.7 53.5

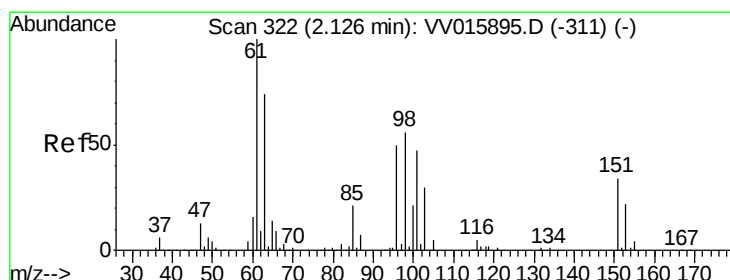
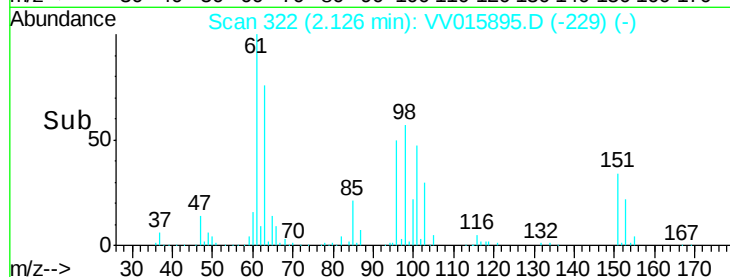
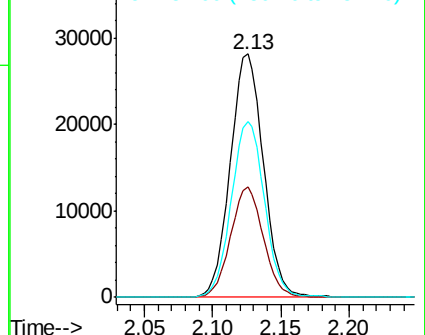
151 72.5 58.0 87.0



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: 4.747 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

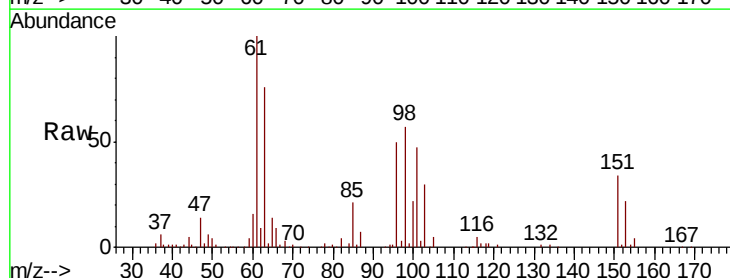
Tgt Ion: 96 Resp: 43977

Ion Ratio Lower Upper

96 100

61 199.8 139.9 259.7

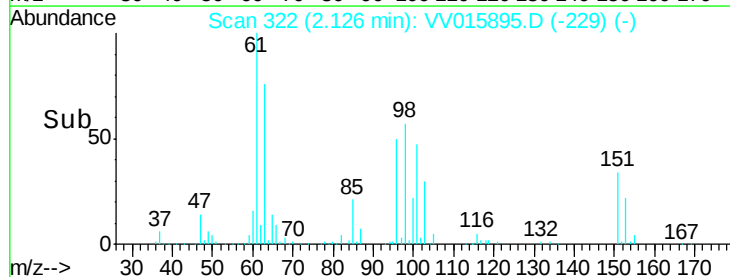
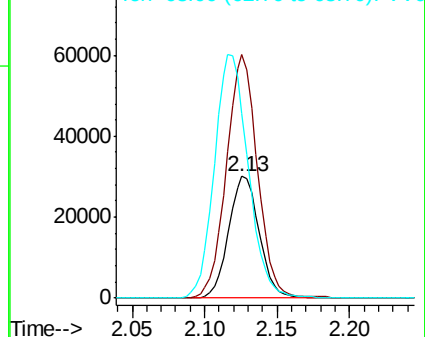
63 152.0 106.4 197.6

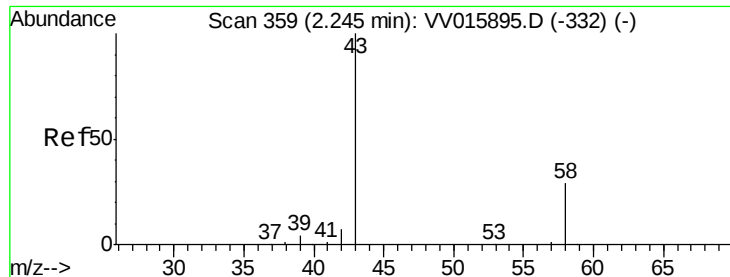


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 45.740 ug/L

RT: 2.24 min Scan# 359

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

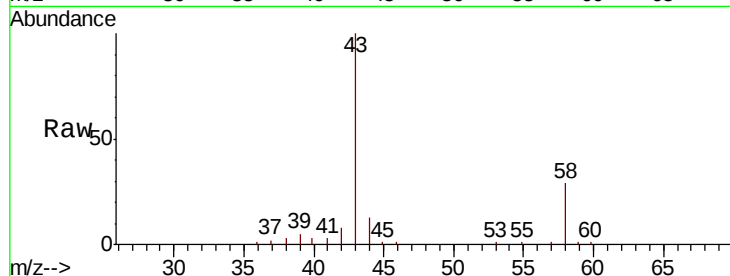
VSTD00532

Tot Ion: 43 Resp: 83857

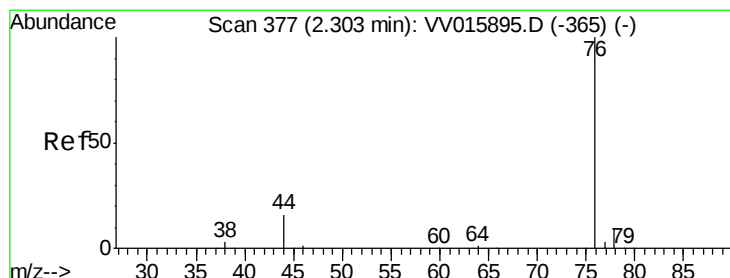
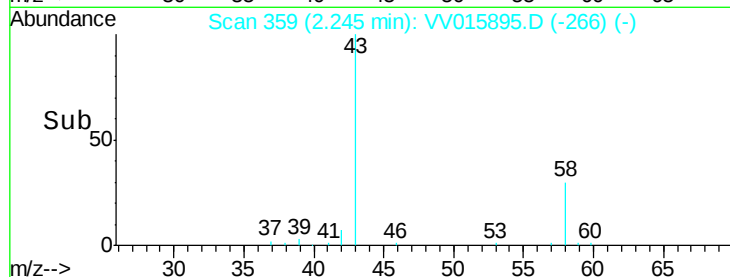
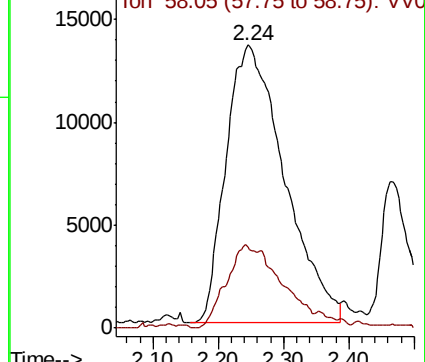
Ion Ratio Lower Upper

43 100

58 15.4 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV015895.D (-332) (-)



#14

Carbon disulfide

Concen: 5.433 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VV015895.D

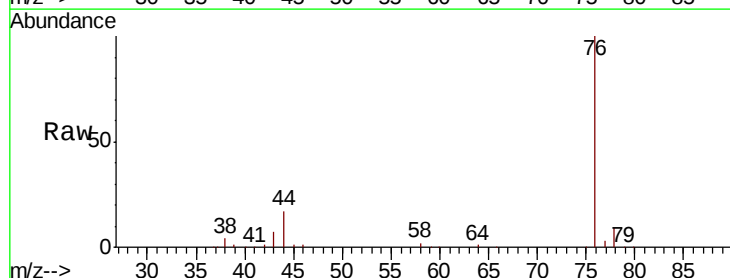
Acq: 05 May 2020 11:44

Tgt Ion: 76 Resp: 148249

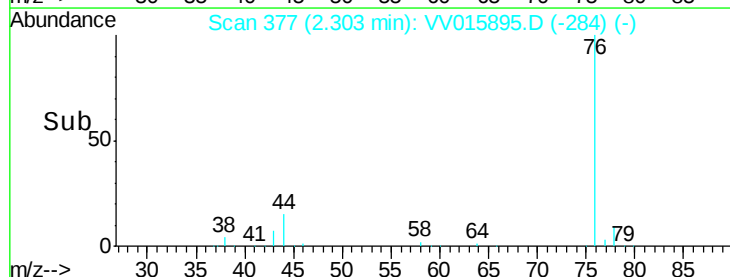
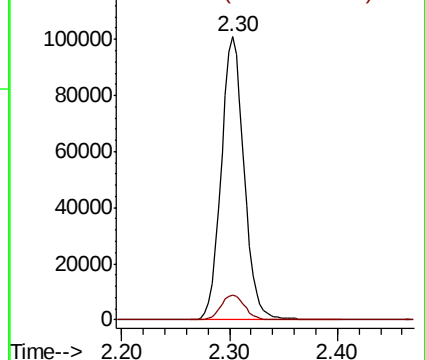
Ion Ratio Lower Upper

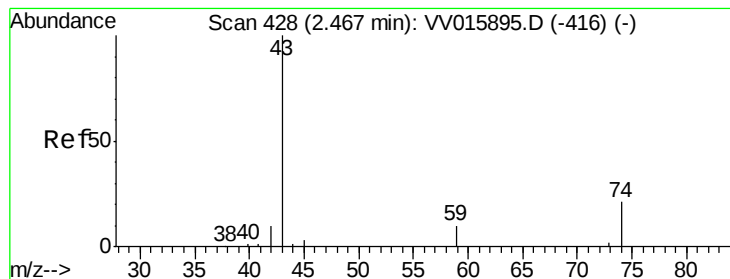
76 100

78 8.8 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV015895.D (-365) (-)





#15

Methvl Acetate

Concen: 4.546 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

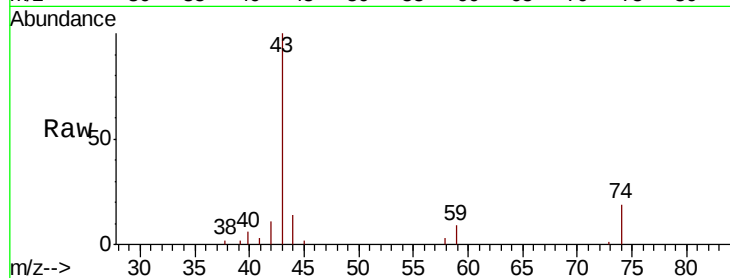
VSTD00532

Tot Ion: 43 Resp: 19672

Ion Ratio Lower Upper

43 100

74 24.0 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

8000

6000

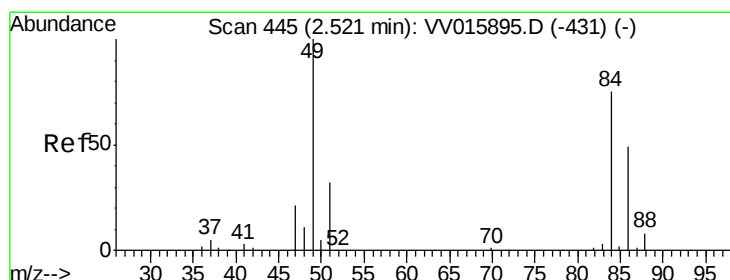
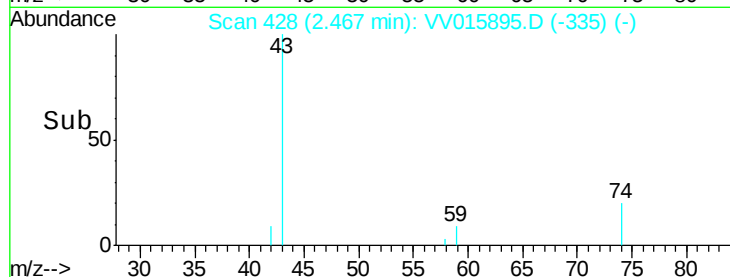
4000

2000

0

2.40 2.45 2.50 2.55

Time-->



#16

Methylene chloride

Concen: 4.655 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

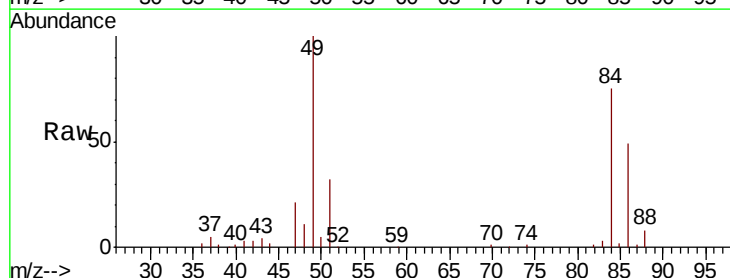
Tgt Ion: 84 Resp: 53856

Ion Ratio Lower Upper

84 100

86 65.2 45.6 84.8

49 133.7 93.6 173.8



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

50000

40000

30000

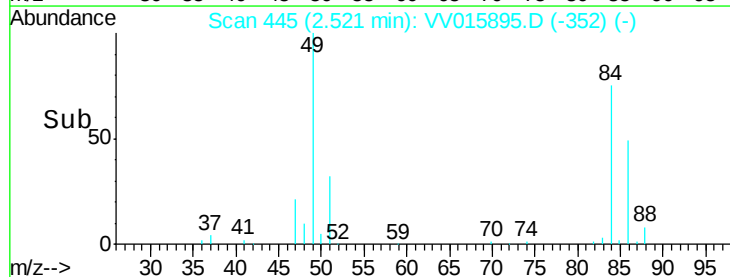
20000

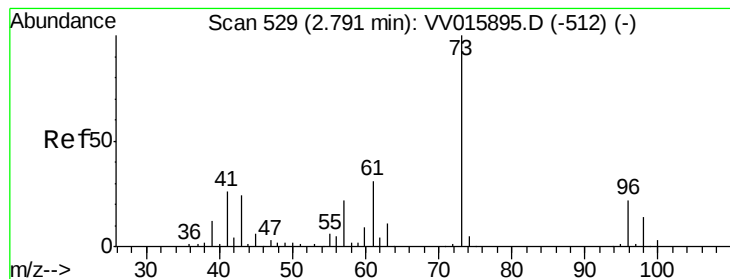
10000

0

2.50 2.52 2.54

Time-->



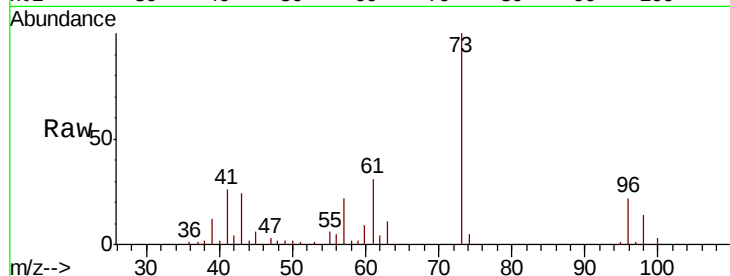


#17

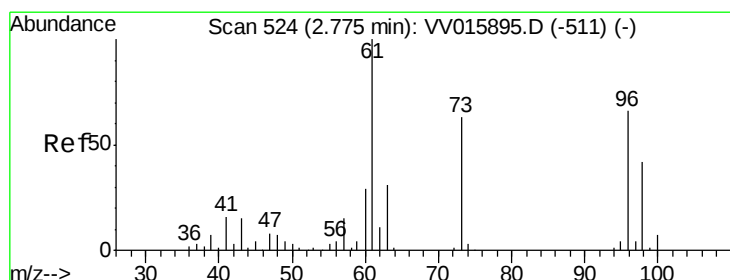
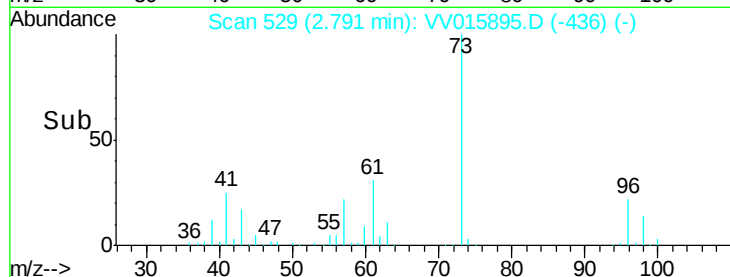
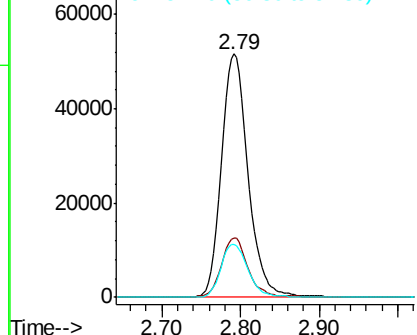
Methvl tert-butvl Ether
 Concen: 4.667 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV015895.D
 Acq: 05 May 2020 11:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

Tot Ion: 73 Resp: 120821
 Ion Ratio Lower Upper
 73 100
 43 23.5 18.8 28.2
 57 22.2 17.8 26.6



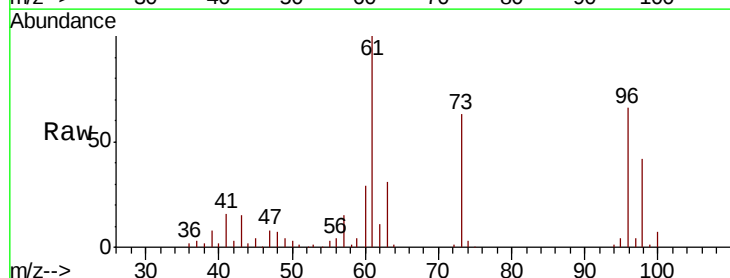
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



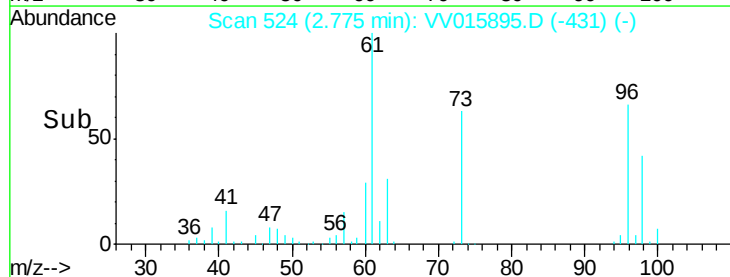
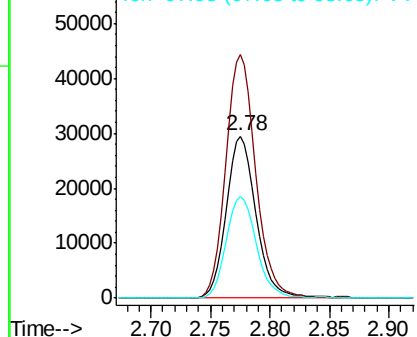
#18

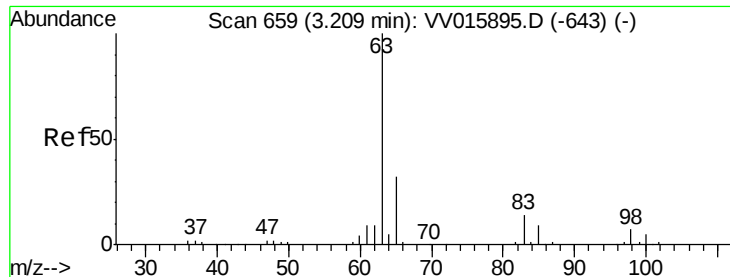
trans-1,2-Dichloroethene
 Concen: 4.887 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VV015895.D
 Acq: 05 May 2020 11:44

Tgt Ion: 96 Resp: 51150
 Ion Ratio Lower Upper
 96 100
 61 150.4 105.3 195.5
 98 62.8 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

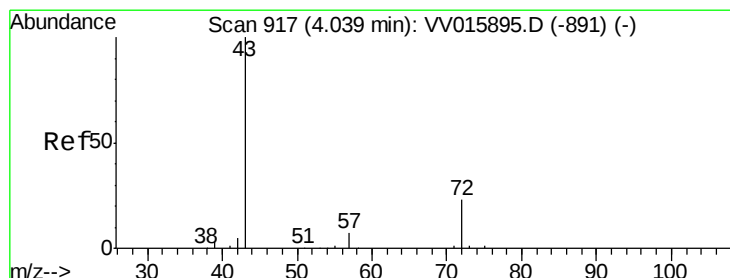
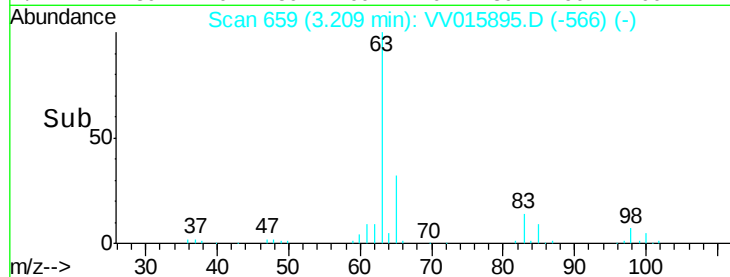
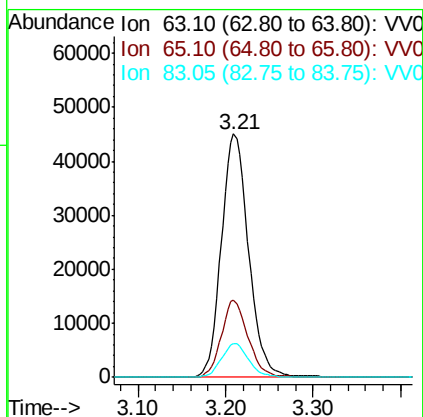
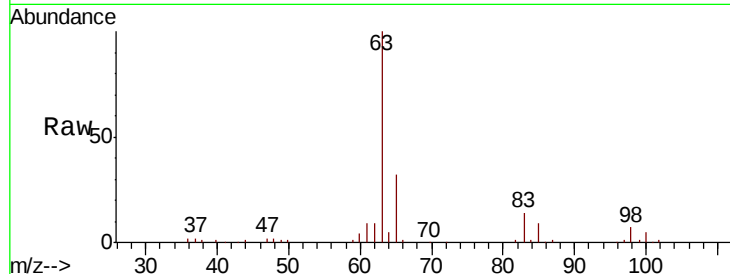




#19
 1,1-Dichloroethane
 Concen: 4.785 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV015895.D
 Acq: 05 May 2020 11:44

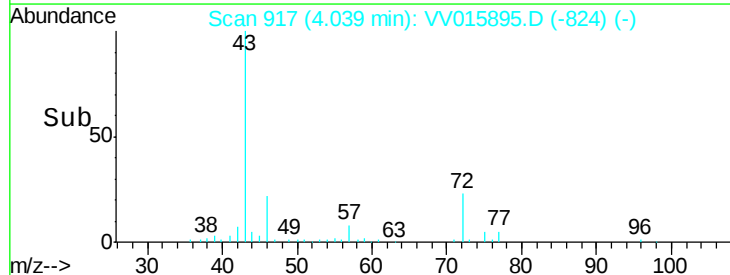
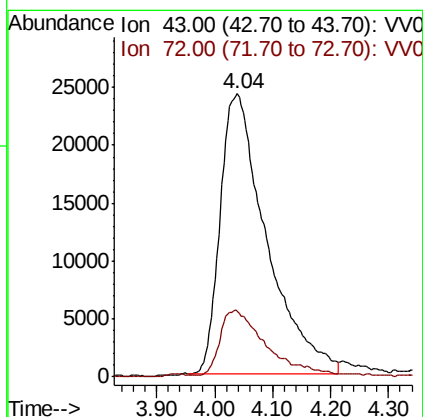
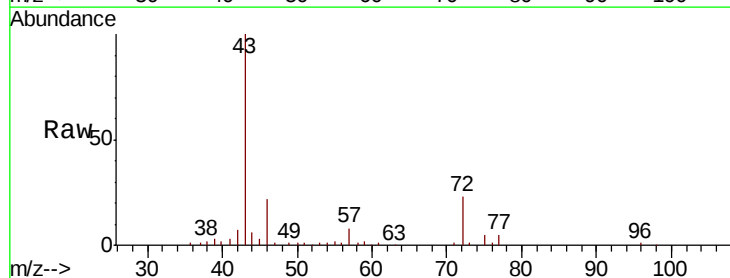
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

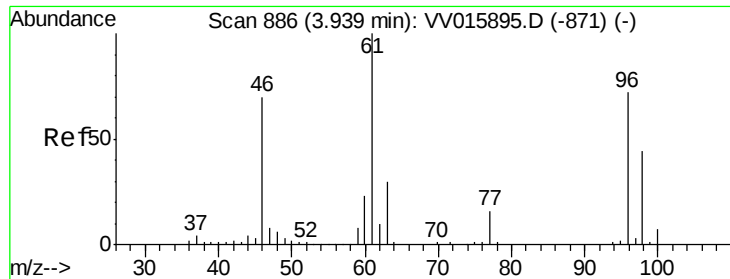
Tot Ion: 63 Resp: 97537
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.0 41.0
 83 14.0 9.8 18.2



#21
 2-Butanone
 Concen: 47.450 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VV015895.D
 Acq: 05 May 2020 11:44

Tgt Ion: 43 Resp: 134735
 Ion Ratio Lower Upper
 43 100
 72 21.0 10.5 31.5

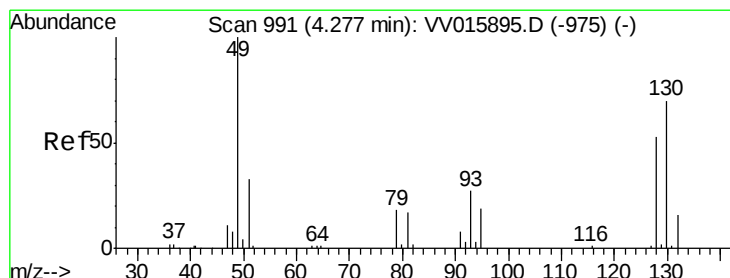
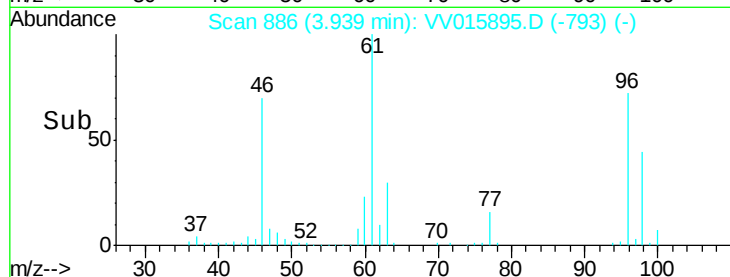
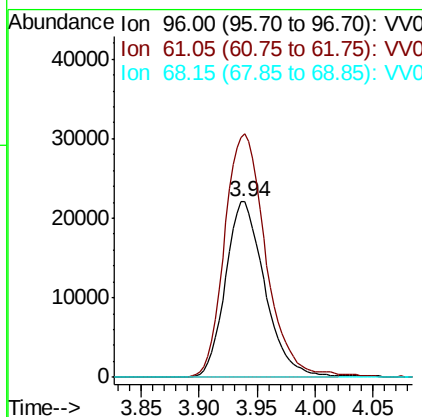
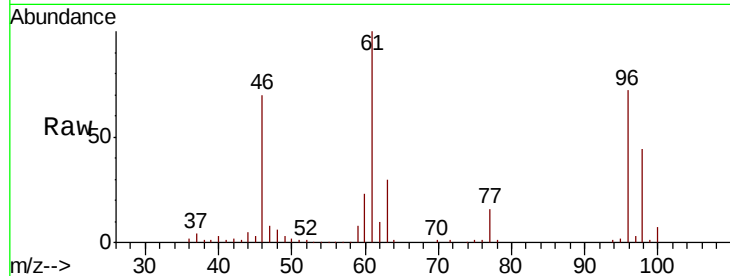




#22
 cis-1,2-Dichloroethene
 Concen: 4.572 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015895.D
 Acq: 05 May 2020 11:44

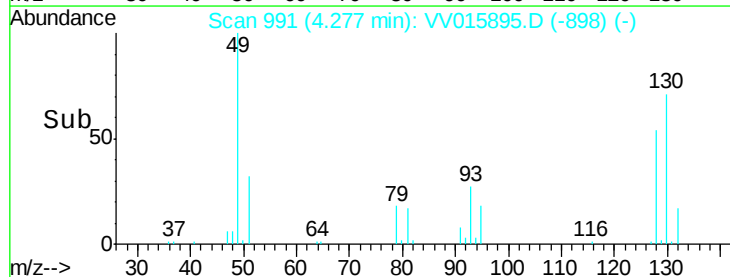
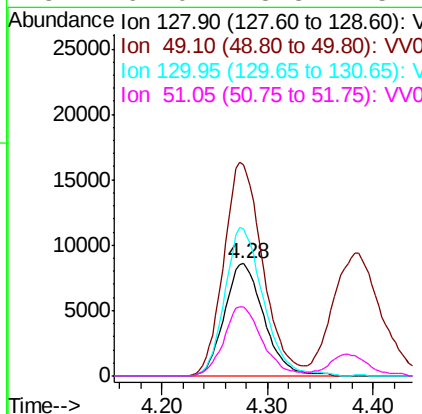
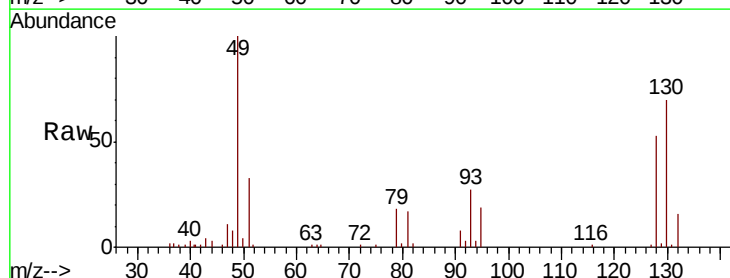
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

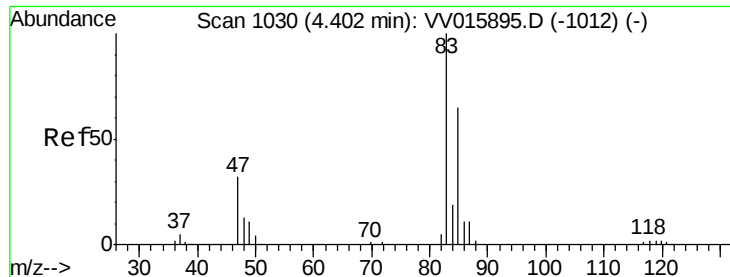
Tot Ion: 96 Resp: 52159
 Ion Ratio Lower Upper
 96 100
 61 138.9 97.2 180.6
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.751 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VV015895.D
 Acq: 05 May 2020 11:44

Tgt Ion: 128 Resp: 22321
 Ion Ratio Lower Upper
 128 100
 49 187.5 131.3 243.8
 130 131.1 91.8 170.4
 51 61.0 48.8 73.2

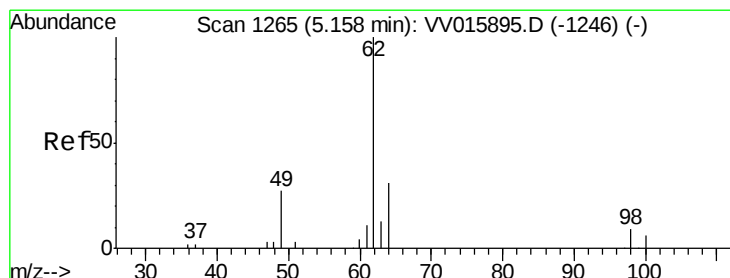
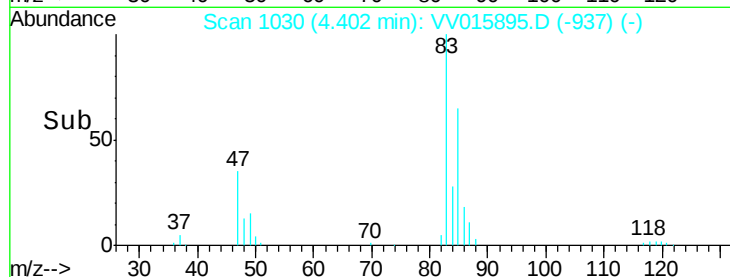
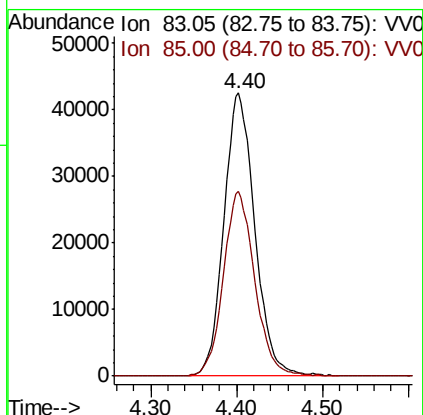
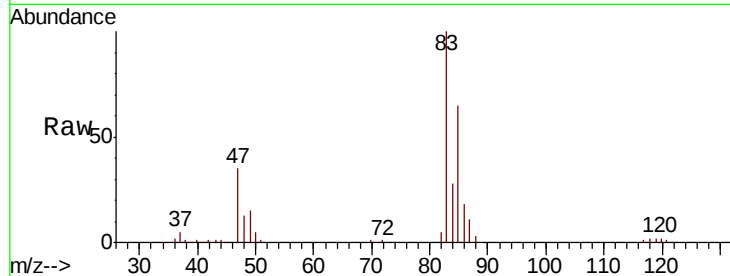




#25
Chloroform
Concen: 4.869 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015895.D
Acq: 05 May 2020 11:44

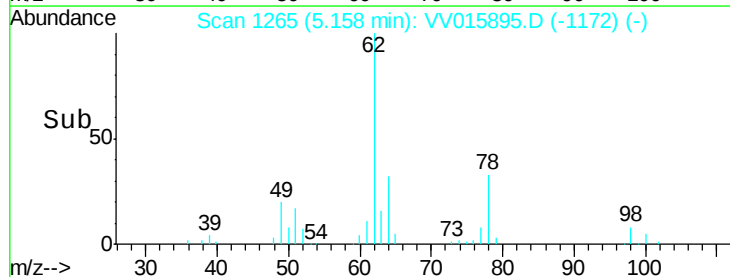
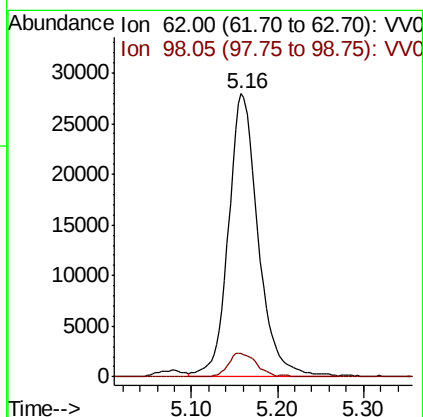
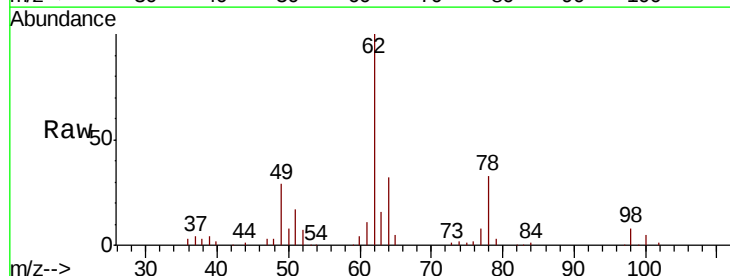
Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

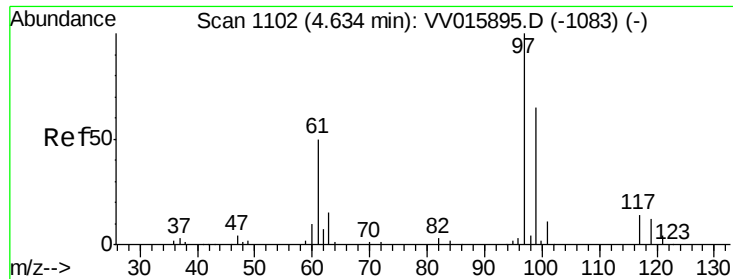
Tot Ion: 83 Resp: 106319
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.708 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015895.D
Acq: 05 May 2020 11:44

Tgt Ion: 62 Resp: 66725
Ion Ratio Lower Upper
62 100
98 8.4 6.7 10.1

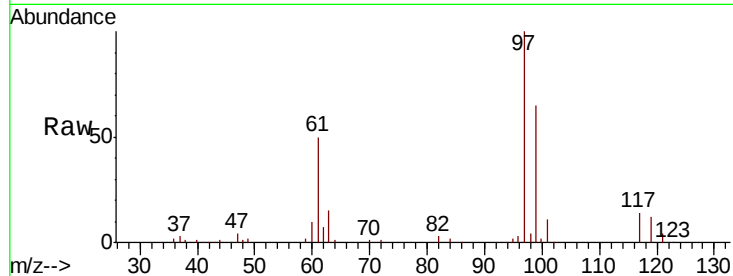




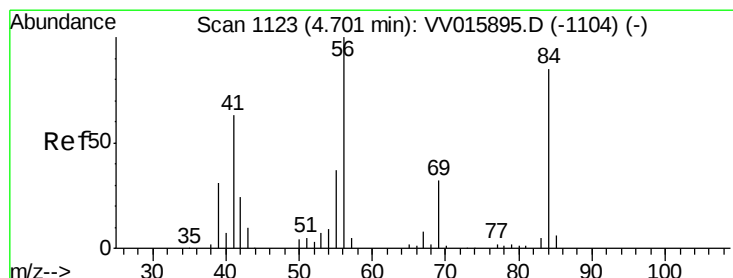
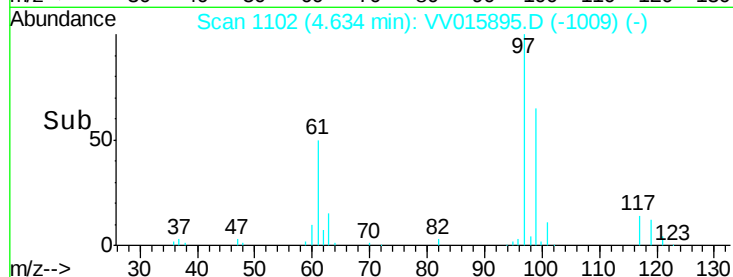
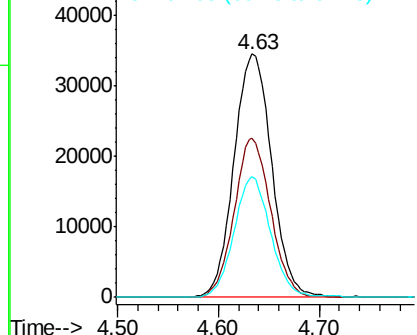
#29
 1,1,1-Trichloroethane
 Concen: 4.670 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV015895.D
 Acq: 05 May 2020 11:44

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00532

Tot Ion: 97 Resp: 89623
 Ion Ratio Lower Upper
 97 100
 99 63.4 50.7 76.1
 61 48.5 38.8 58.2

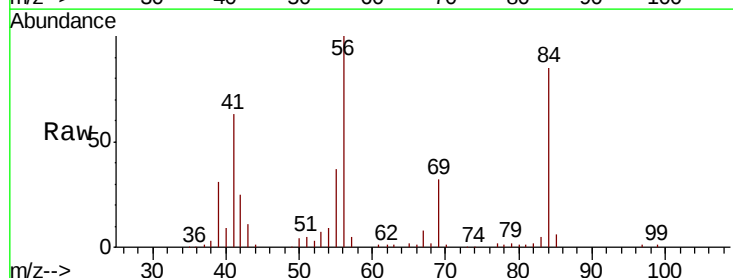


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

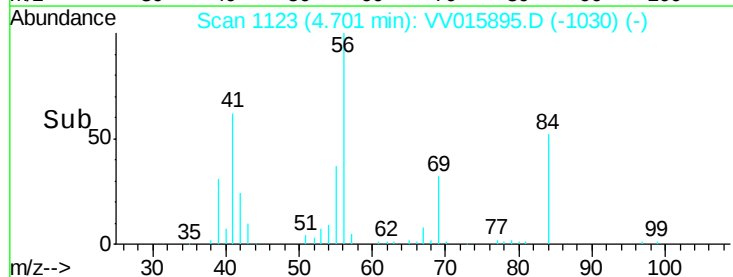
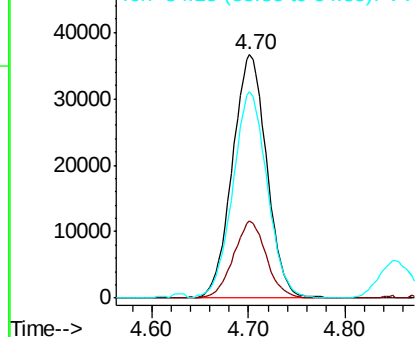


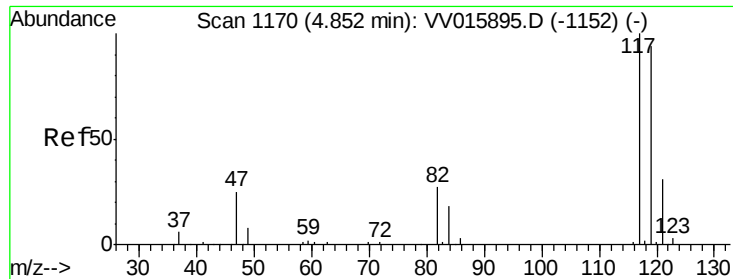
#30
 Cyclohexane
 Concen: 4.876 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV015895.D
 Acq: 05 May 2020 11:44

Tgt Ion: 56 Resp: 90492
 Ion Ratio Lower Upper
 56 100
 69 30.2 24.2 36.2
 84 85.4 68.3 102.5



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.768 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

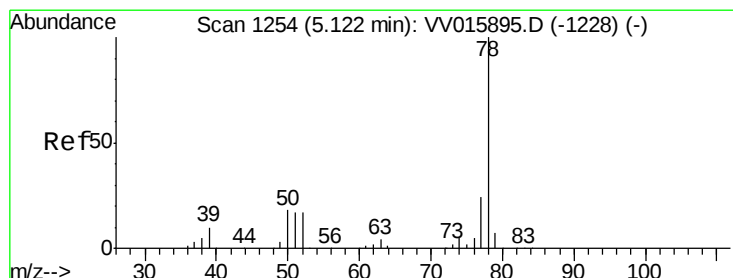
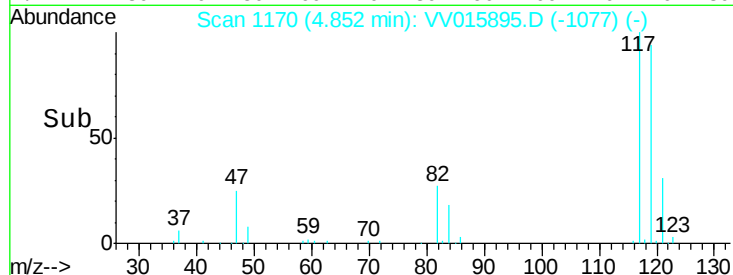
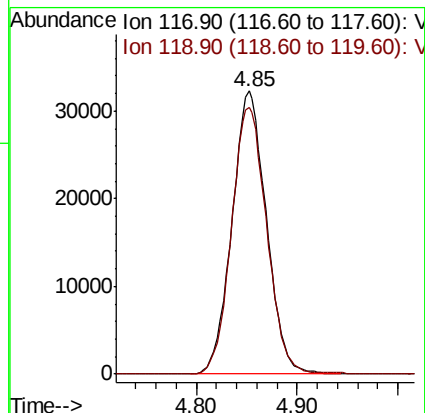
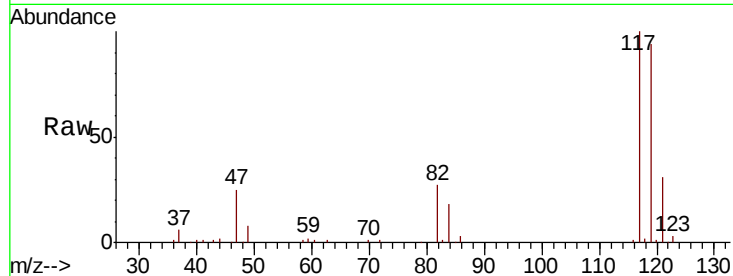
VSTD00532

Tot Ion:117 Resp: 76224

Ion Ratio Lower Upper

117 100

119 96.6 77.3 115.9



#33

Benzene

Concen: 4.795 ug/L

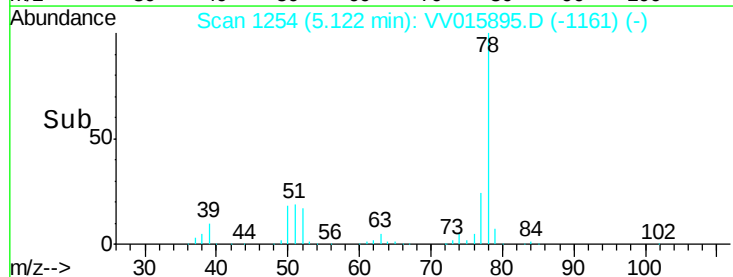
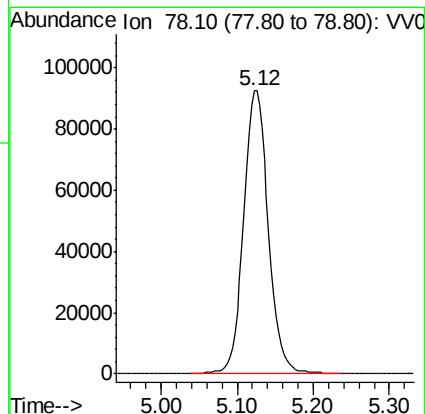
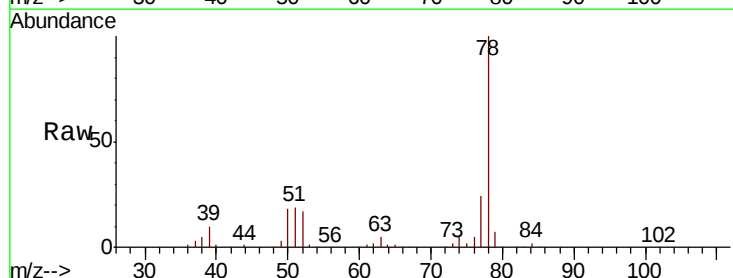
RT: 5.12 min Scan# 1254

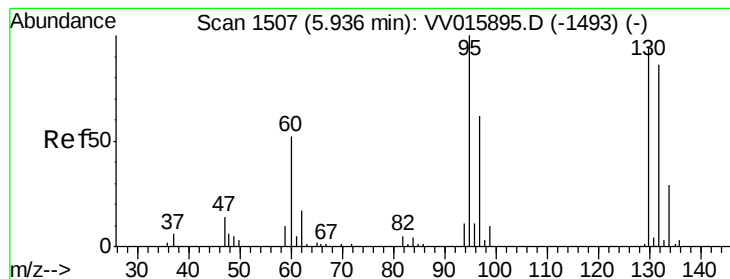
Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

Tgt Ion: 78 Resp: 208491





#34

Trichloroethene

Concen: 4.724 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD00532

Tot Ion: 95 Resp: 56773

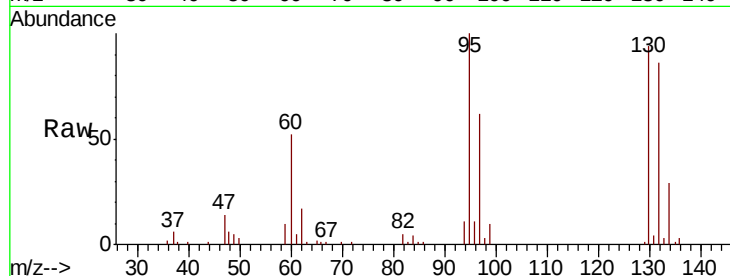
Ion Ratio Lower Upper

95 100

97 61.9 43.3 80.5

132 86.2 60.3 112.1

130 94.3 66.0 122.6

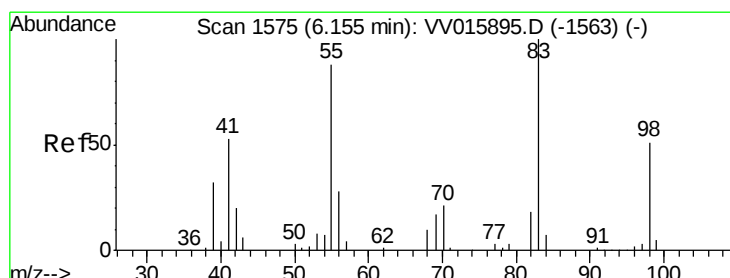
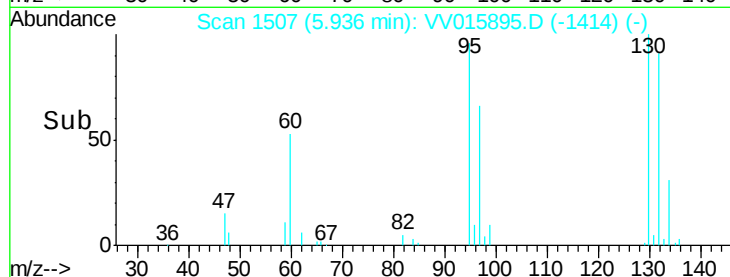
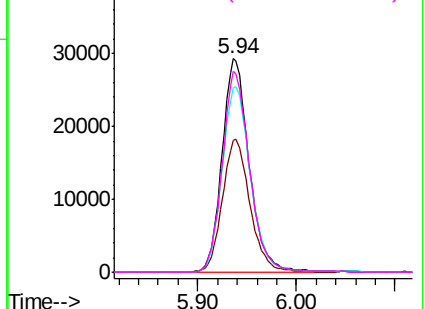


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.904 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

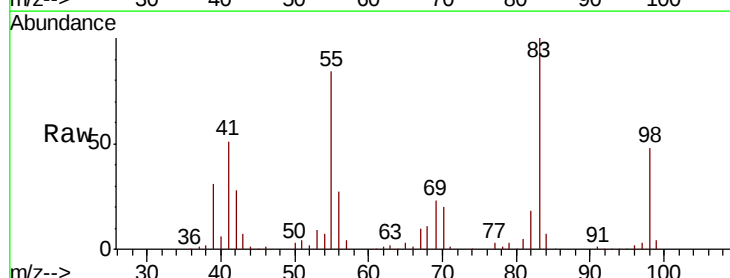
Tgt Ion: 83 Resp: 91044

Ion Ratio Lower Upper

83 100

55 82.7 66.2 99.2

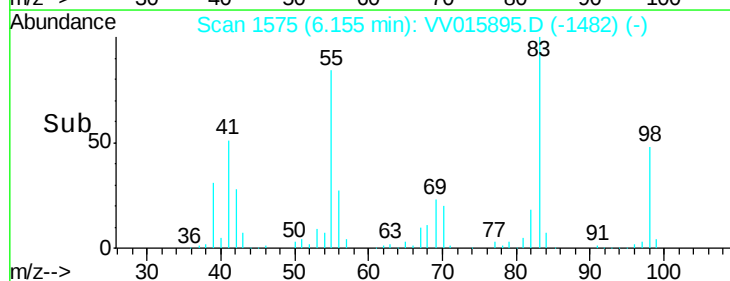
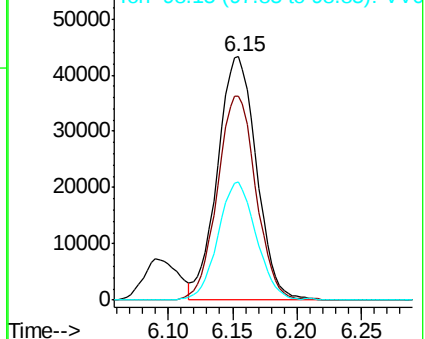
98 47.4 37.9 56.9

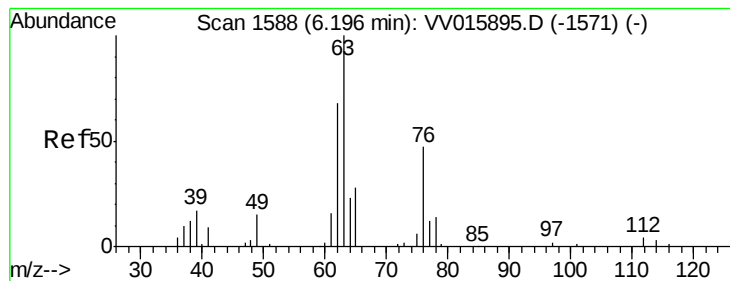


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.725 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

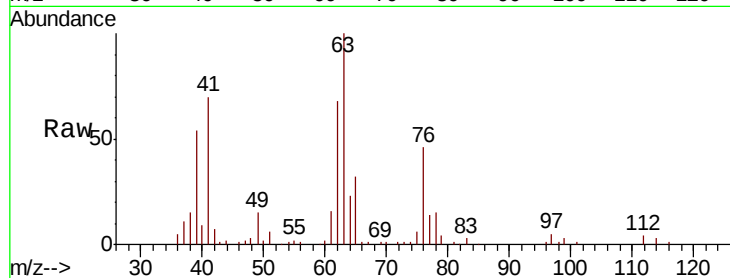
VSTD00532

Tot Ion: 63 Resp: 52230

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VV015895.D (-1571) (-)

Ion 112.10 (111.80 to 112.80): VV015895.D (-1571) (-)

30000

25000

20000

15000

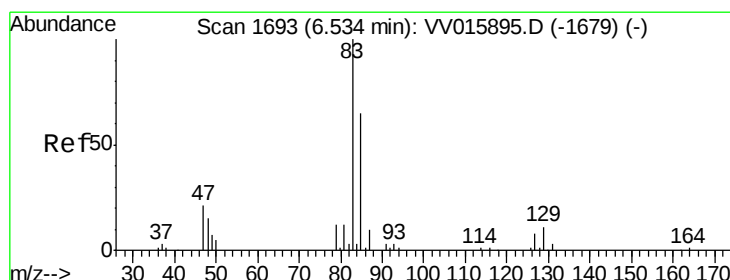
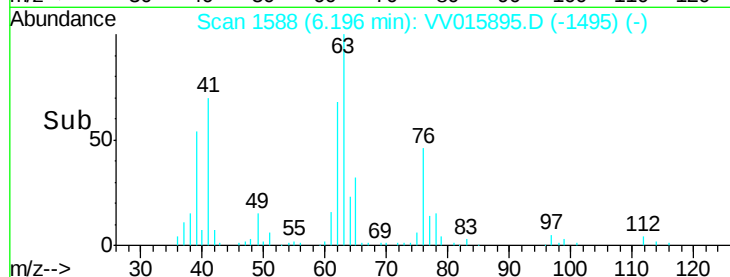
10000

5000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 4.633 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

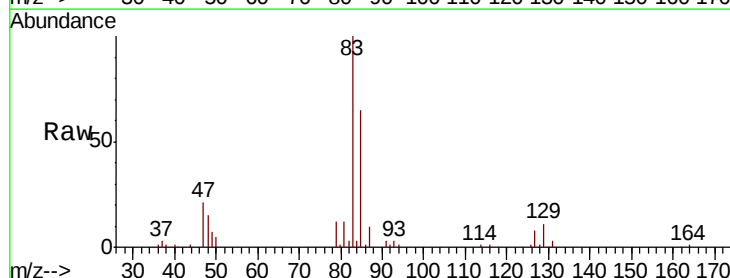
Tgt Ion: 83 Resp: 64886

Ion Ratio Lower Upper

83 100

85 65.0 45.5 84.5

127 7.8 6.2 9.4



Abundance Ion 82.95 (82.65 to 83.65): VV015895.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV015895.D (-1679) (-)

Ion 126.90 (126.60 to 127.60): VV015895.D (-1679) (-)

40000

30000

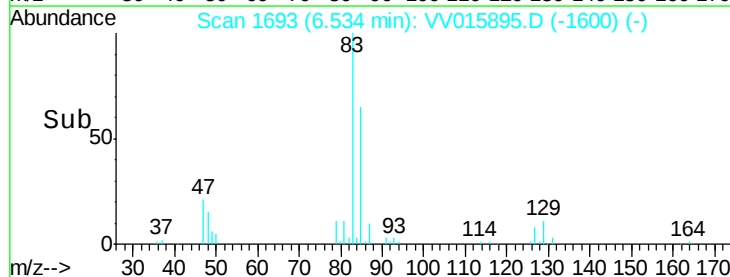
20000

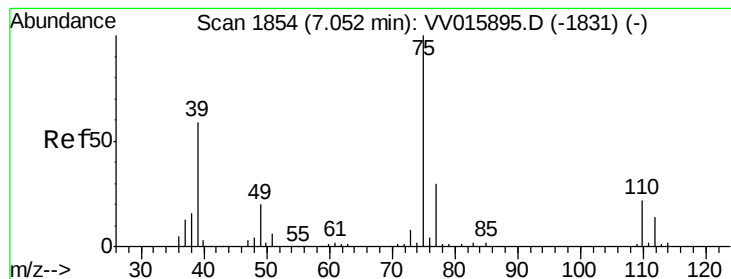
10000

0

6.45 6.50 6.55 6.60 6.65

Time-->





#39

cis-1,3-Dichloropropene

Concen: 4.786 ug/L

RT: 7.05 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

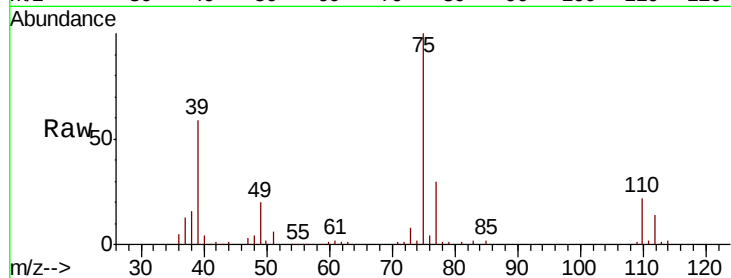
VSTD00532

Tot Ion: 75 Resp: 74011

Ion Ratio Lower Upper

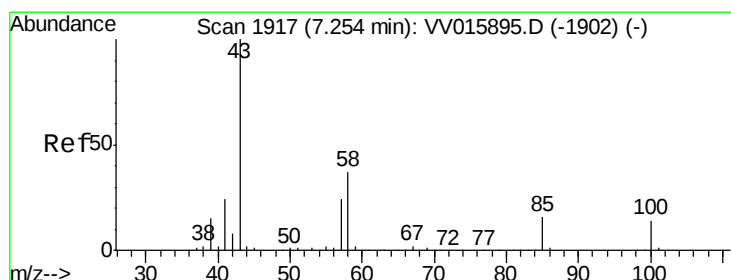
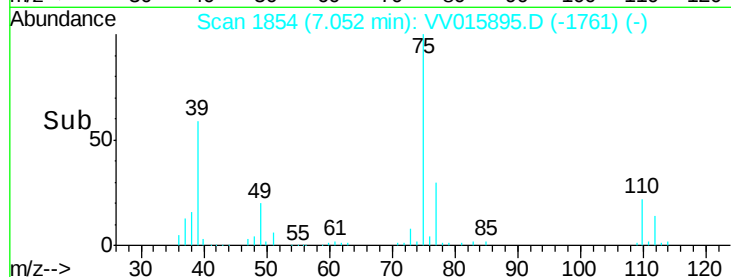
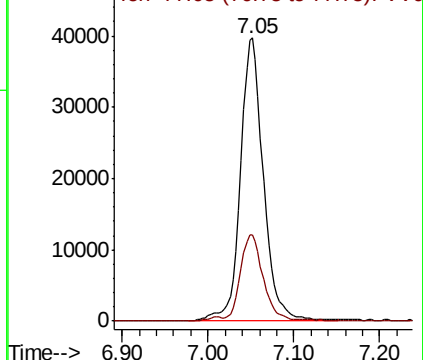
75 100

77 30.4 21.3 39.5



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 48.032 ug/L

RT: 7.25 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

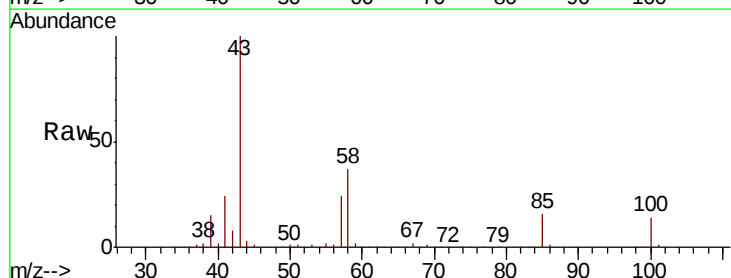
Tgt Ion: 43 Resp: 344412

Ion Ratio Lower Upper

43 100

58 36.2 29.0 43.4

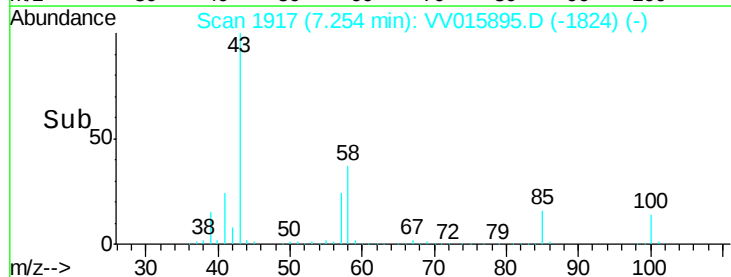
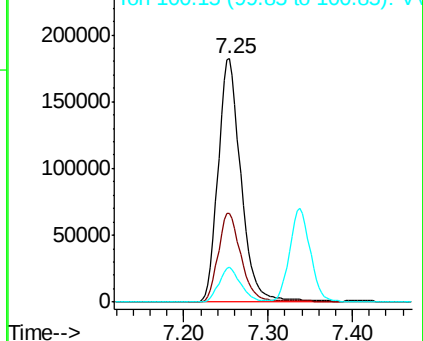
100 13.6 10.9 16.3

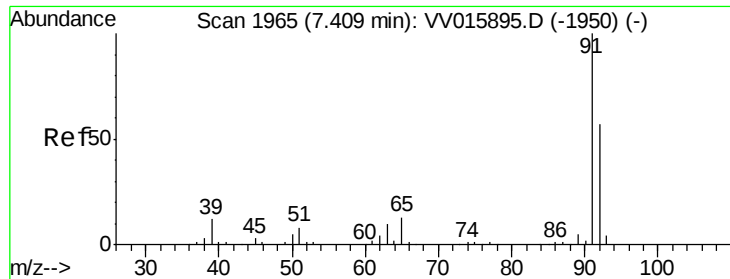


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 4.758 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

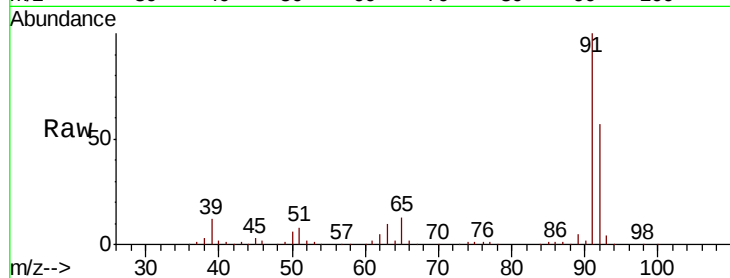
VSTD00532

Tot Ion: 91 Resp: 221053

Ion Ratio Lower Upper

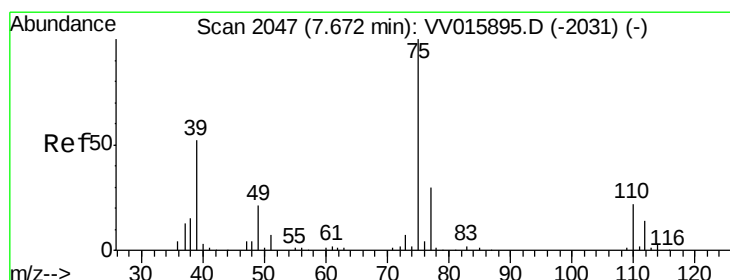
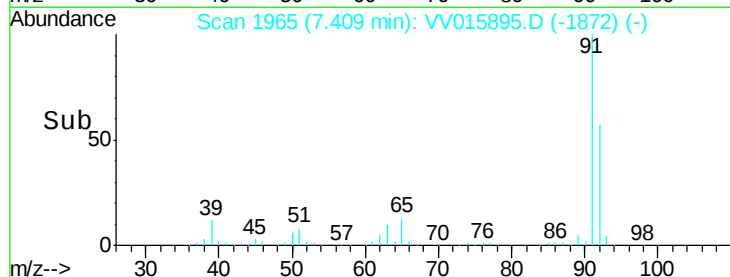
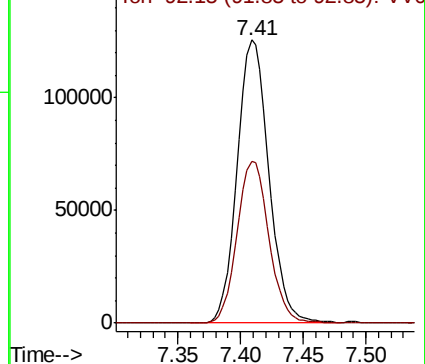
91 100

92 57.3 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.887 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015895.D

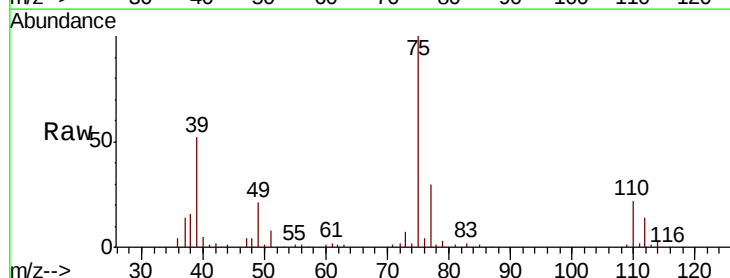
Acq: 05 May 2020 11:44

Tgt Ion: 75 Resp: 63248

Ion Ratio Lower Upper

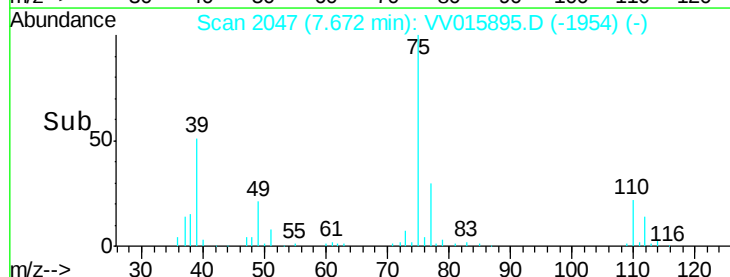
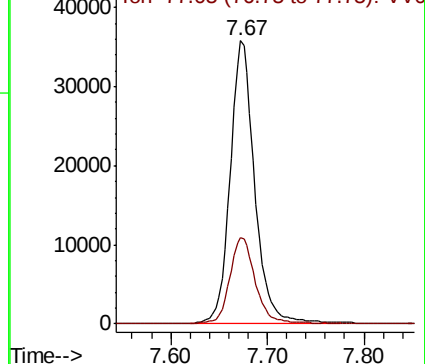
75 100

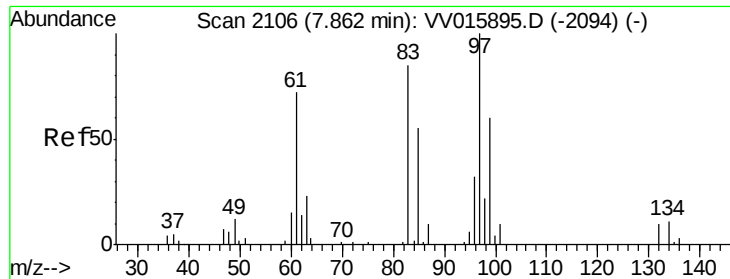
77 30.5 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

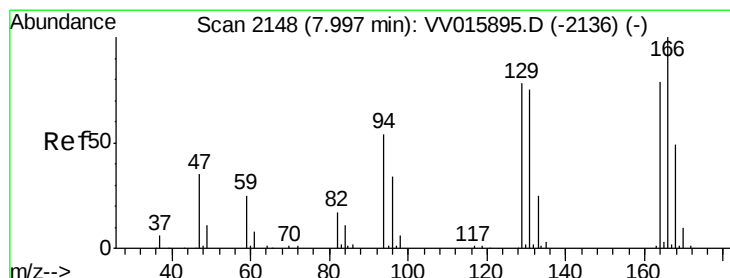
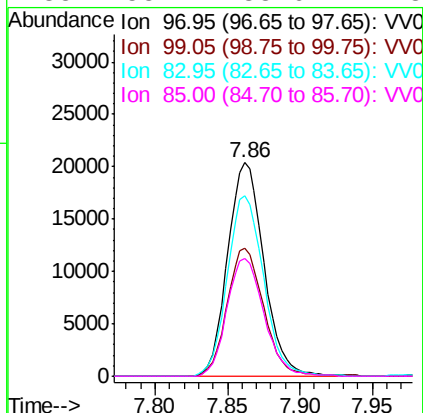
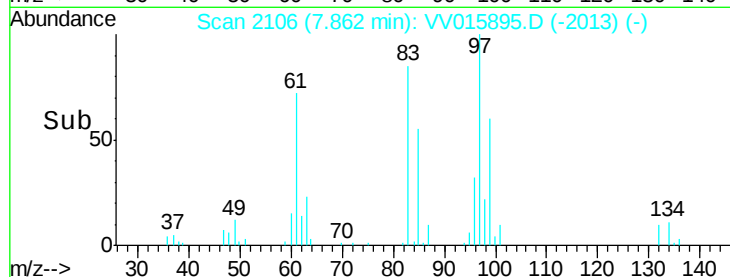
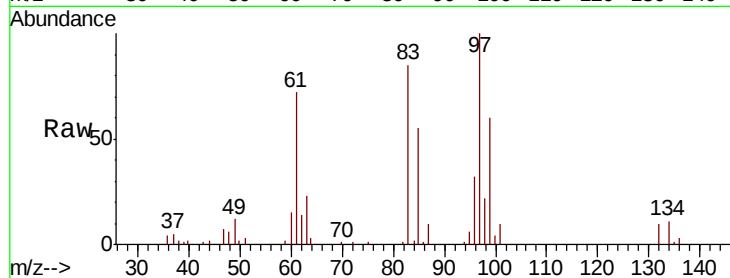




#45
 1,1,2-Trichloroethane
 Concen: 4.743 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015895.D
 Acq: 05 May 2020 11:44

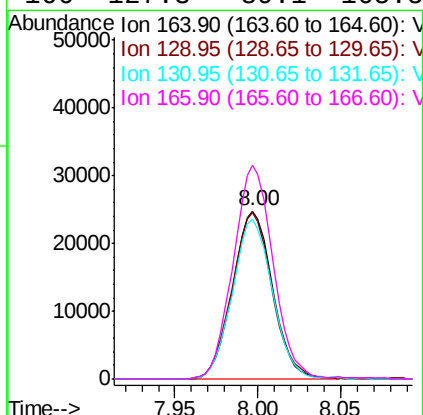
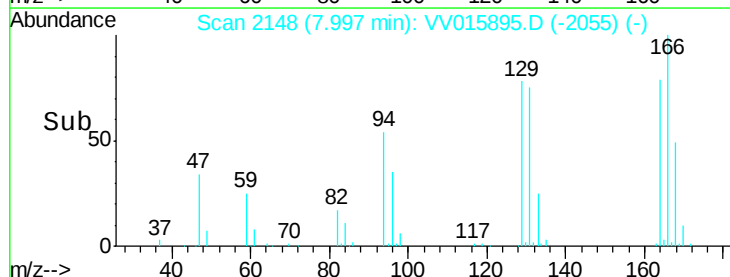
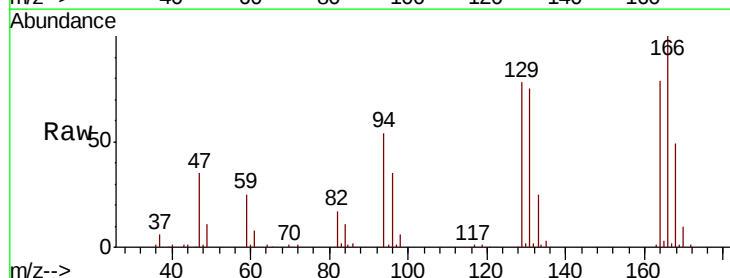
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

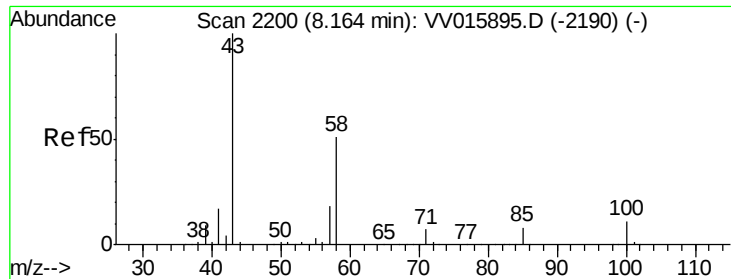
Tot Ion:	97	Resp:	35497
Ion	Ratio	Lower	Upper
97	100		
99	60.1	42.1	78.1
83	84.6	59.2	110.0
85	55.2	38.6	71.8



#47
 Tetrachloroethene
 Concen: 4.775 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015895.D
 Acq: 05 May 2020 11:44

Tgt Ion:	164	Resp:	41306
Ion	Ratio	Lower	Upper
164	100		
129	99.5	69.7	129.4
131	95.5	66.8	124.2
166	127.3	89.1	165.5

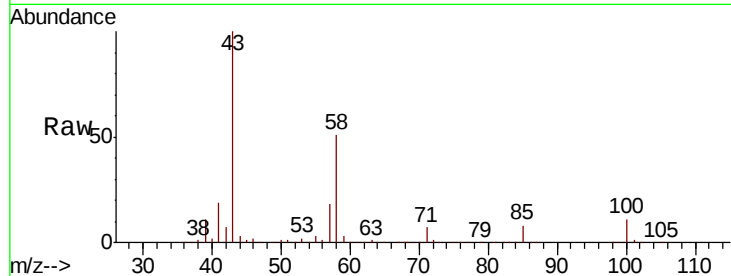




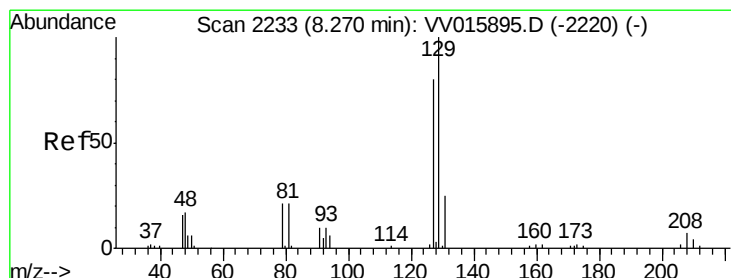
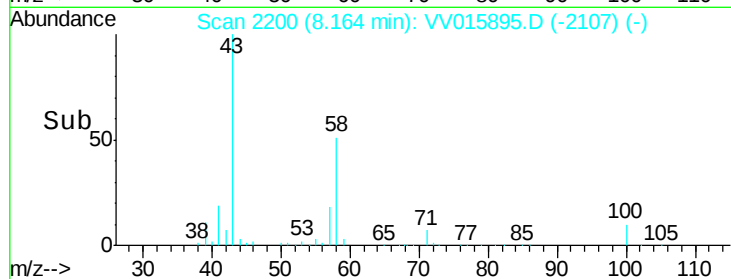
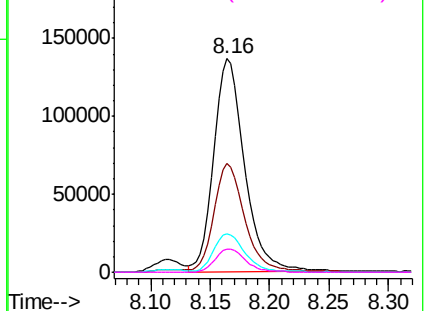
#48
2-Hexanone
Concen: 48.120 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015895.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_V
ClientSampled :
VSTD00532

Tot Ion: 43 Resp: 244913
Ion Ratio Lower Upper
43 100
58 51.0 40.8 61.2
57 18.4 14.7 22.1
100 11.3 9.0 13.6

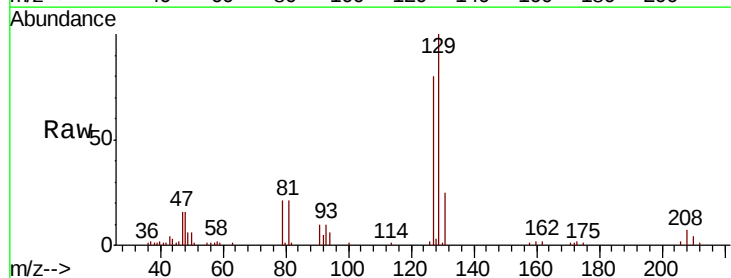


Abundance Ion 43.05 (42.75 to 43.75): VV015895.D (-2190) (-)
Ion 58.05 (57.75 to 58.75): VV015895.D (-2190) (-)
Ion 57.20 (56.90 to 57.90): VV015895.D (-2190) (-)
Ion 100.15 (99.85 to 100.85): VV015895.D (-2190) (-)

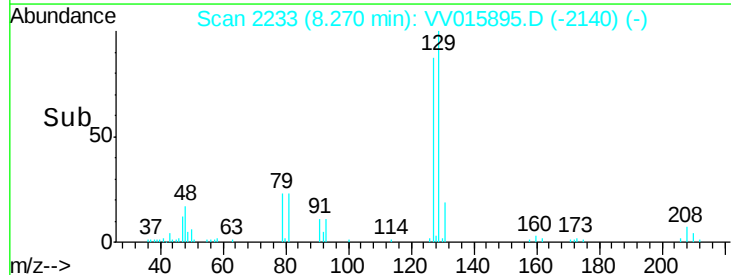
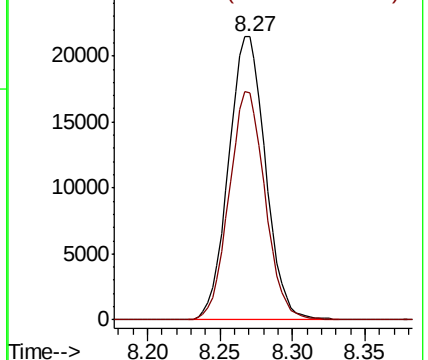


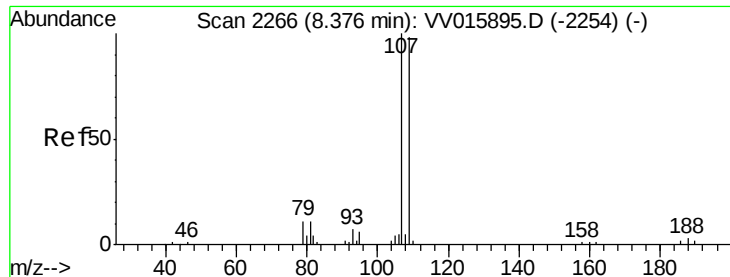
#49
Dibromochloromethane
Concen: 4.832 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV015895.D
Acq: 05 May 2020 11:44

Tgt Ion: 129 Resp: 37998
Ion Ratio Lower Upper
129 100
127 80.0 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): VV015895.D (-2220) (-)
Ion 126.90 (126.60 to 127.60): VV015895.D (-2220) (-)

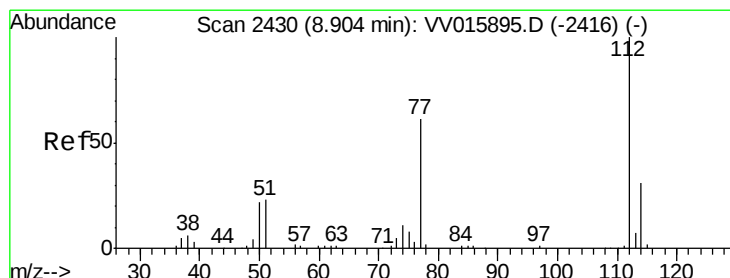
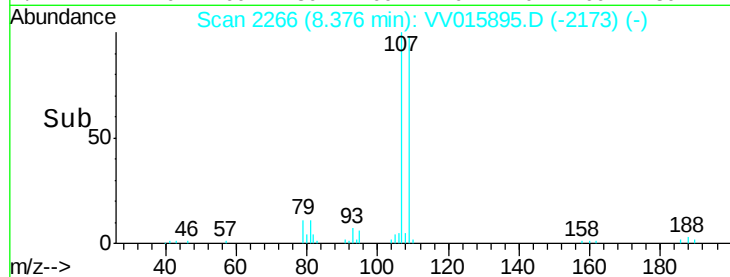
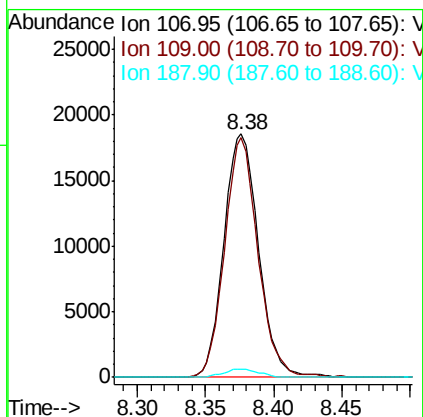
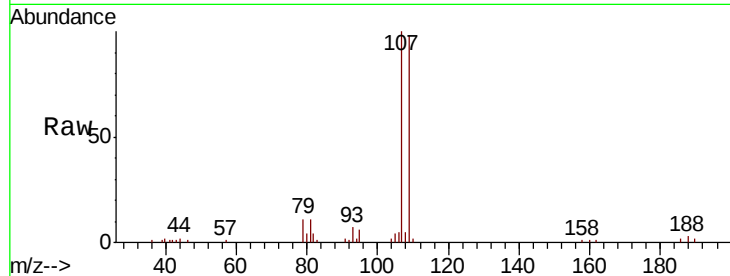




#50
1,2-Dibromoethane
Concen: 4.721 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015895.D
Acq: 05 May 2020 11:44

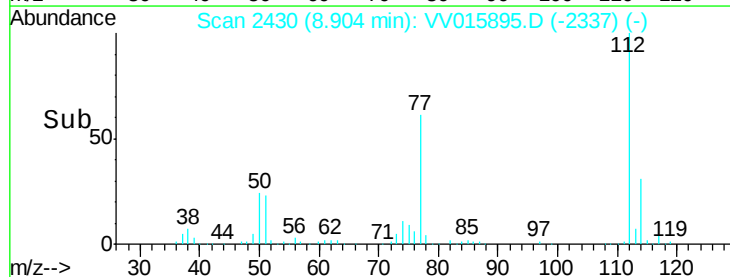
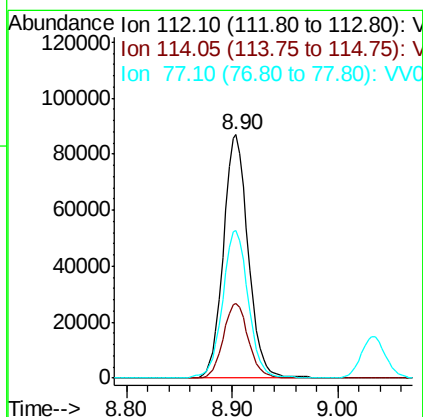
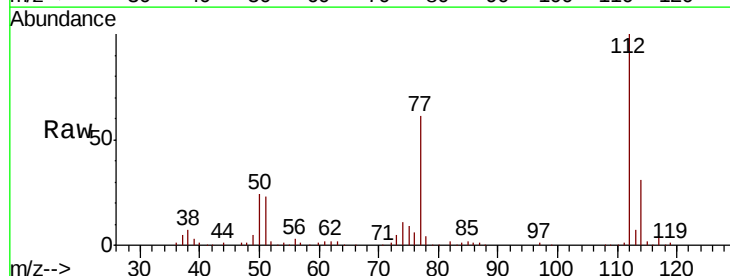
Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

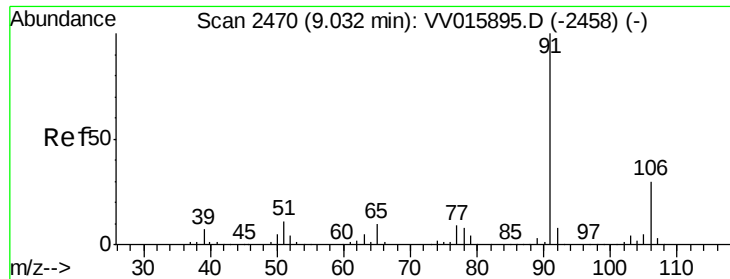
Tot Ion:107 Resp: 32700
Ion Ratio Lower Upper
107 100
109 98.4 68.9 127.9
188 3.4 2.7 4.1



#51
Chlorobenzene
Concen: 4.646 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015895.D
Acq: 05 May 2020 11:44

Tgt Ion:112 Resp: 141344
Ion Ratio Lower Upper
112 100
114 30.8 21.6 40.0
77 60.8 48.6 73.0





#52

Ethylbenzene

Concen: 4.717 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

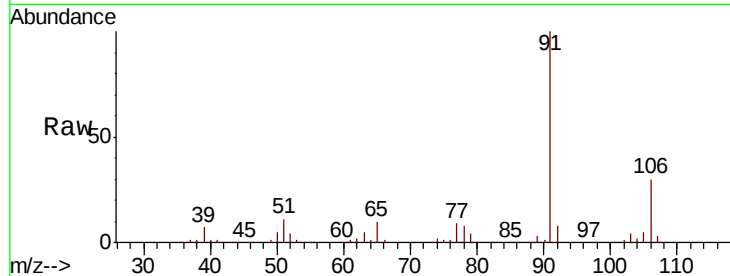
VSTD00532

Tot Ion: 91 Resp: 253174

Ion Ratio Lower Upper

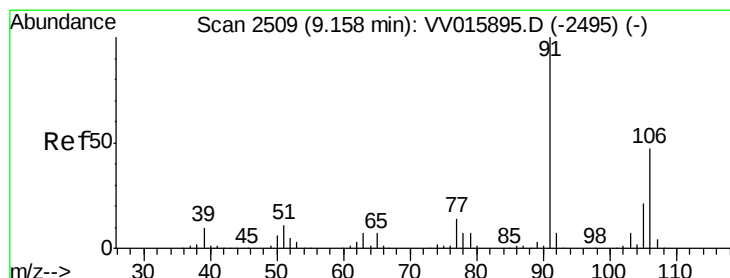
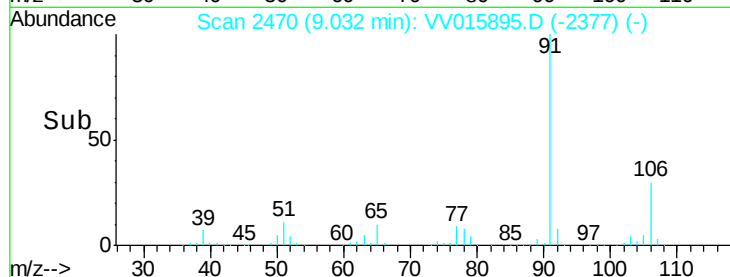
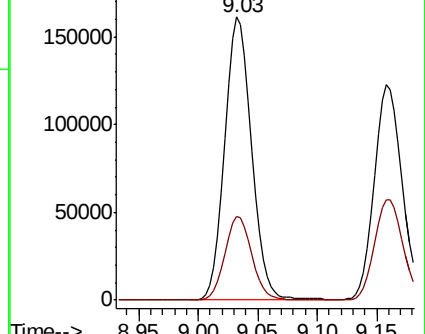
91 100

106 29.5 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VV015895.D (-2458) (-)

Ion 106.15 (105.85 to 106.85): VV015895.D (-2458) (-)



#53

m,p-xylene

Concen: 4.805 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV015895.D

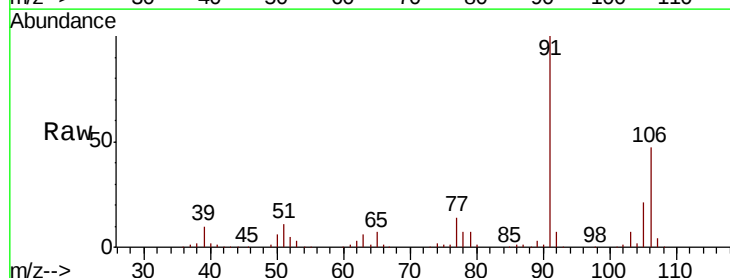
Acq: 05 May 2020 11:44

Tgt Ion: 106 Resp: 94704

Ion Ratio Lower Upper

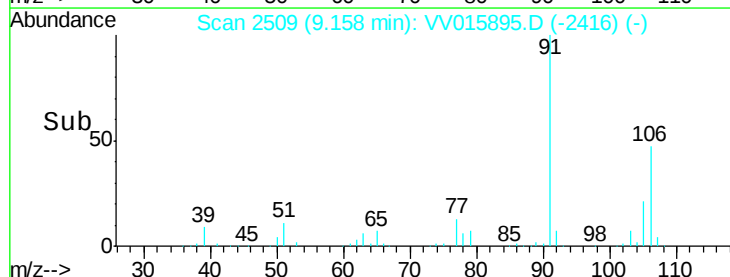
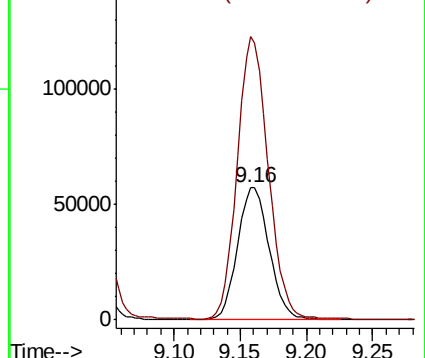
106 100

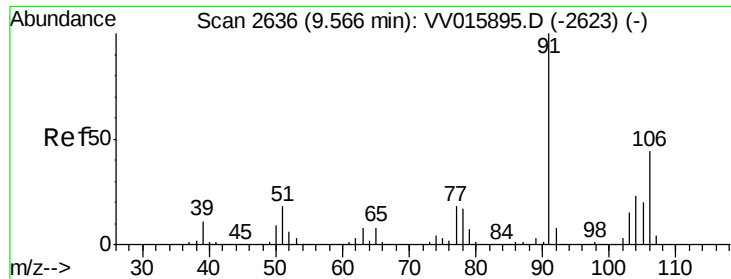
91 214.1 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): VV015895.D (-2495) (-)

Ion 91.15 (90.85 to 91.85): VV015895.D (-2495) (-)

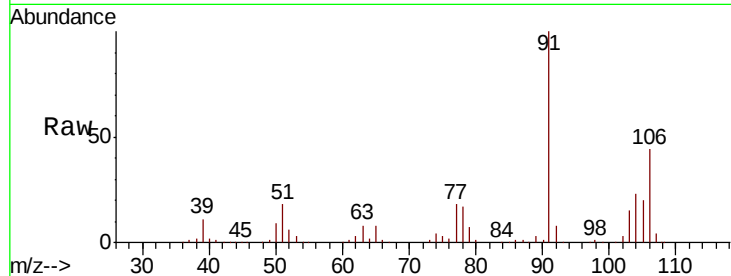




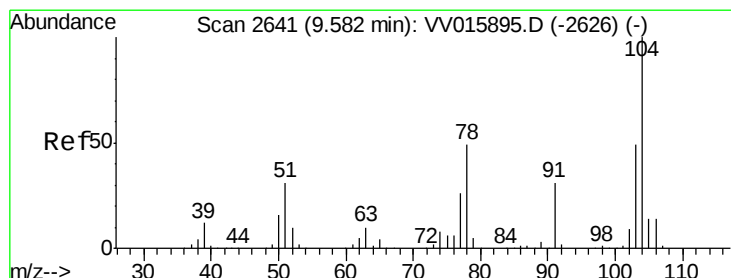
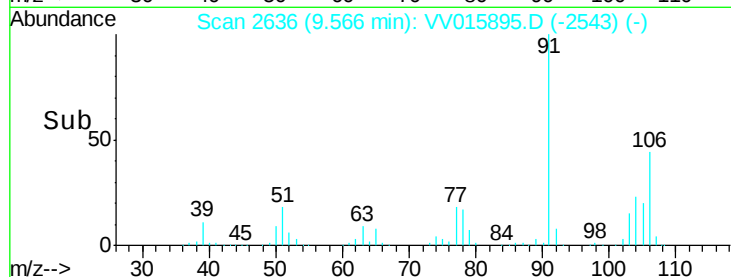
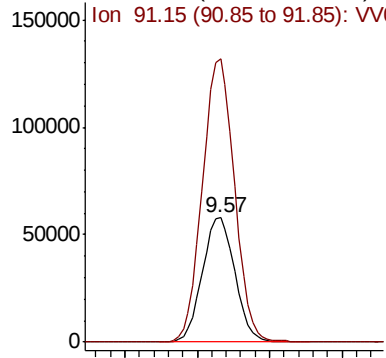
#54
o-xylene
Concen: 4.764 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015895.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Tot Ion:106 Resp: 90445
Ion Ratio Lower Upper
106 100
91 228.1 159.7 296.5

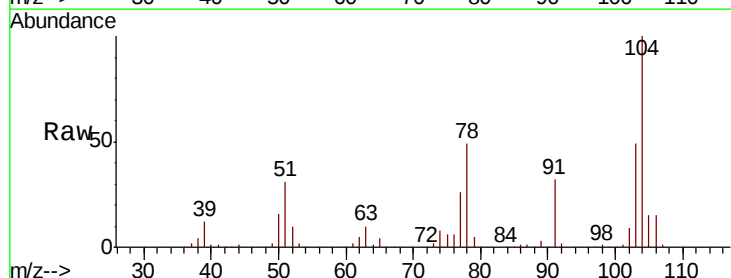


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

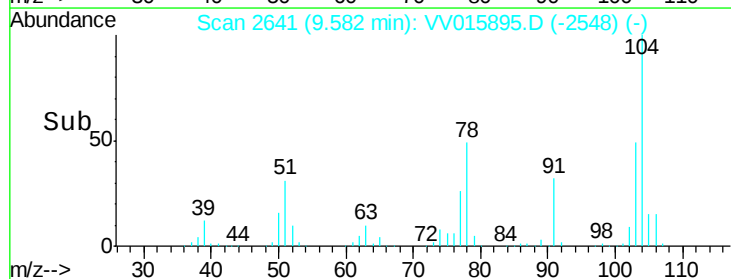
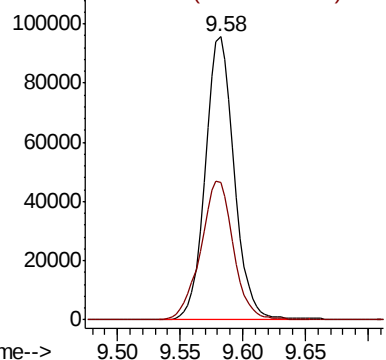


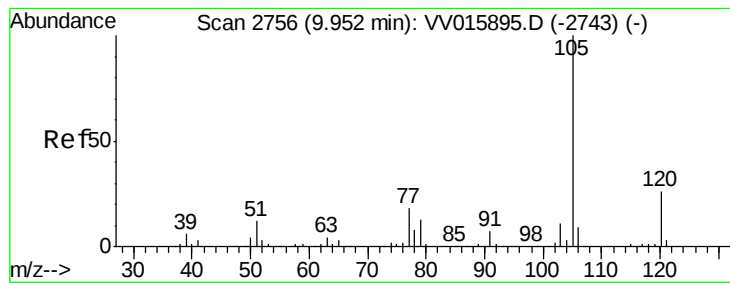
#55
Styrene
Concen: 4.764 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015895.D
Acq: 05 May 2020 11:44

Tgt Ion:104 Resp: 153109
Ion Ratio Lower Upper
104 100
78 48.5 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.638 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD00532

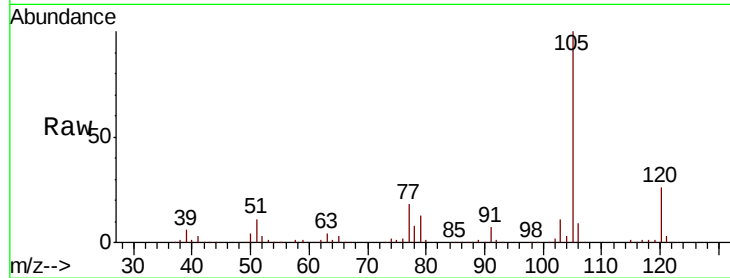
Tot Ion:105 Resp: 246724

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

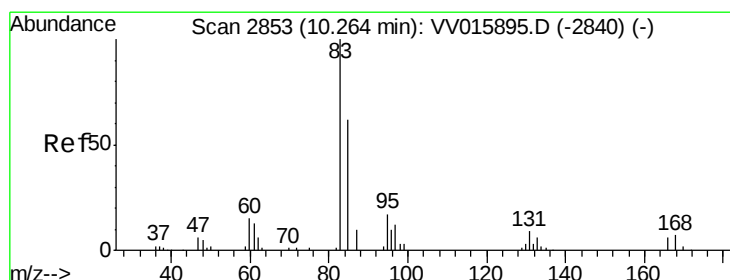
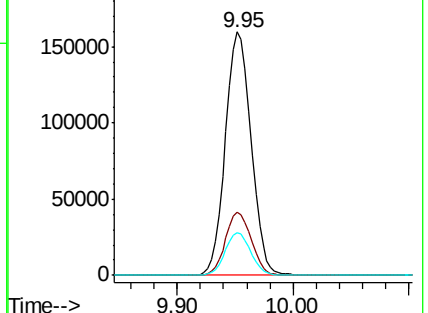
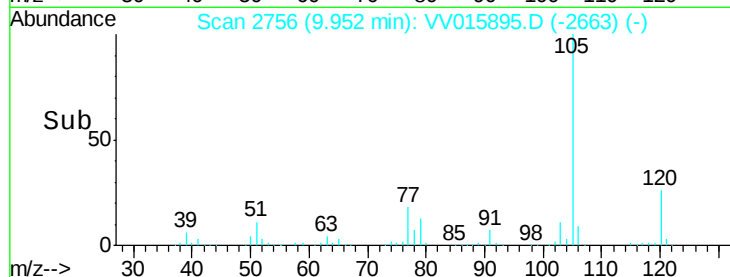
77 17.6 14.1 21.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.660 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

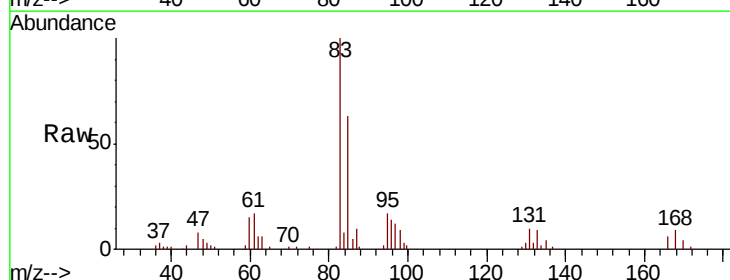
Tgt Ion: 83 Resp: 40774

Ion Ratio Lower Upper

83 100

85 62.8 44.0 81.6

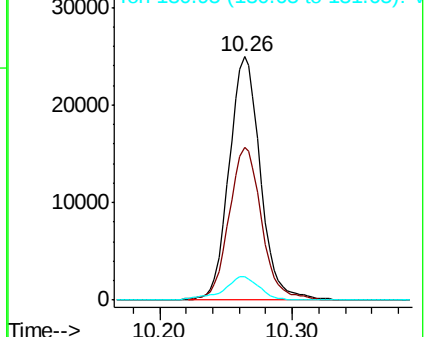
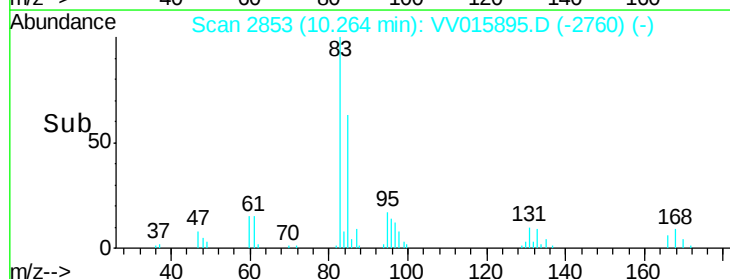
131 9.6 7.7 11.5

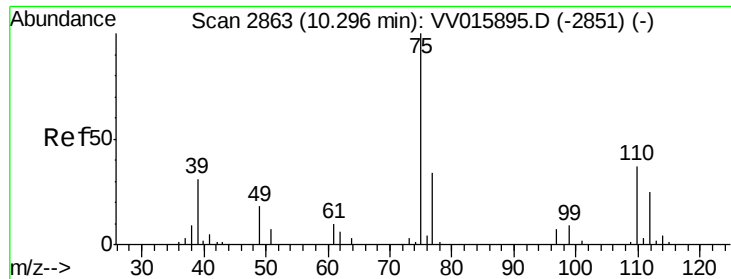


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

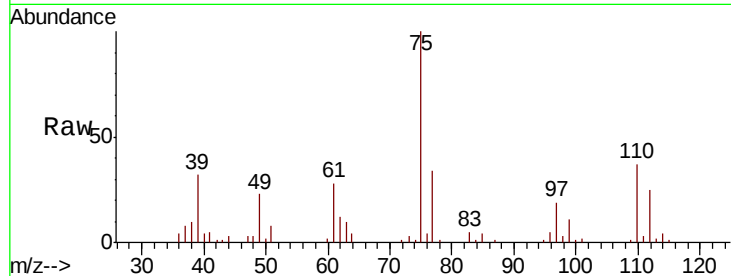




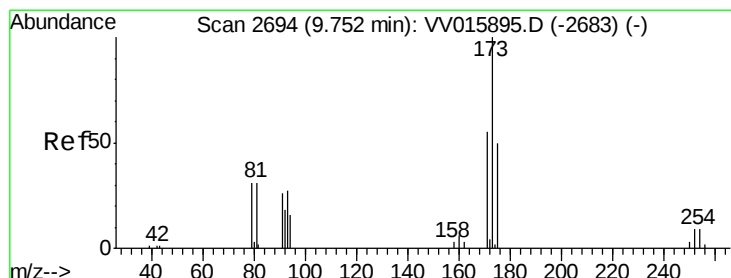
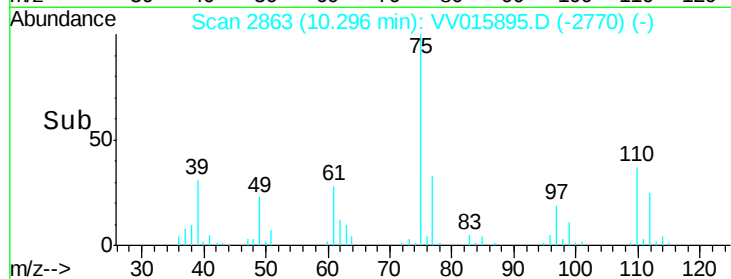
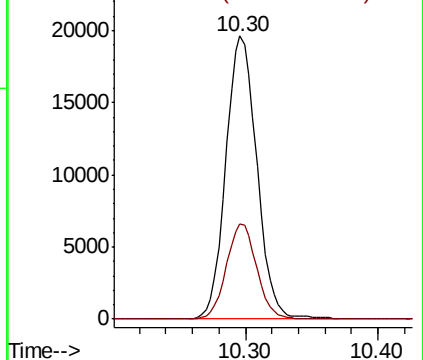
#59
 1,2,3-Trichloropropane
 Concen: 4.557 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV015895.D
 Acq: 05 May 2020 11:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

Tot Ion: 75 Resp: 31884
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.2 39.4

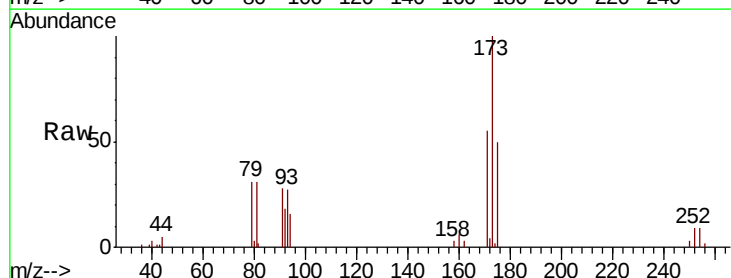


Abundance Ion 75.00 (74.70 to 75.70): VV015895.D (-2851) (-)
 Ion 77.00 (76.70 to 77.70): VV015895.D (-2851) (-)

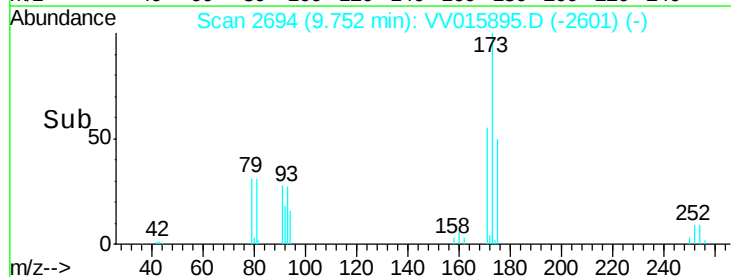
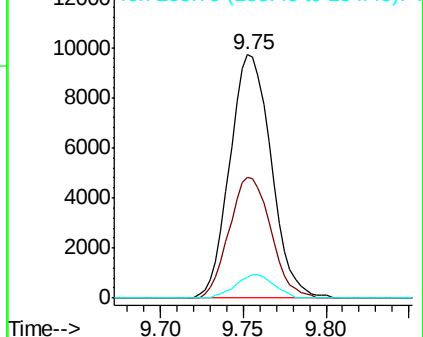


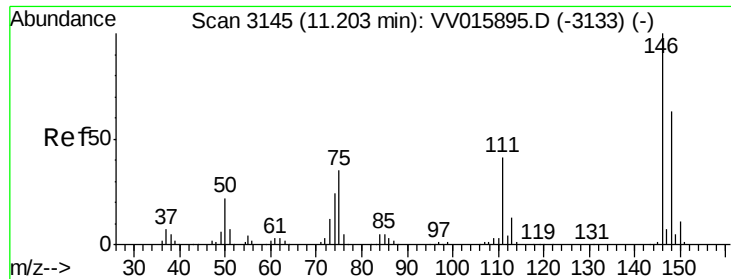
#61
 Bromoform
 Concen: 5.074 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV015895.D
 Acq: 05 May 2020 11:44

Tgt Ion: 173 Resp: 16884
 Ion Ratio Lower Upper
 173 100
 175 49.8 39.8 59.8
 254 8.9 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): VV015895.D (-2683) (-)
 Ion 174.90 (174.60 to 175.60): VV015895.D (-2683) (-)
 Ion 253.75 (253.45 to 254.45): VV015895.D (-2683) (-)

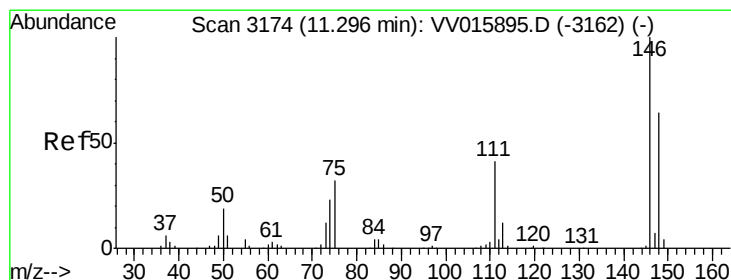
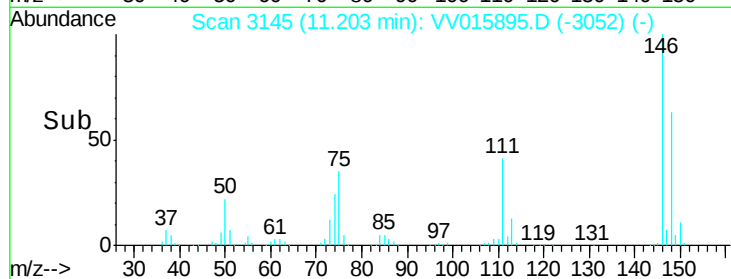
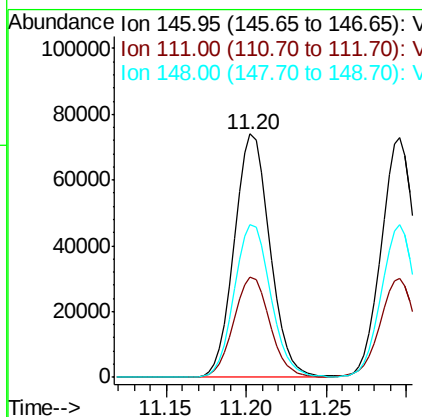
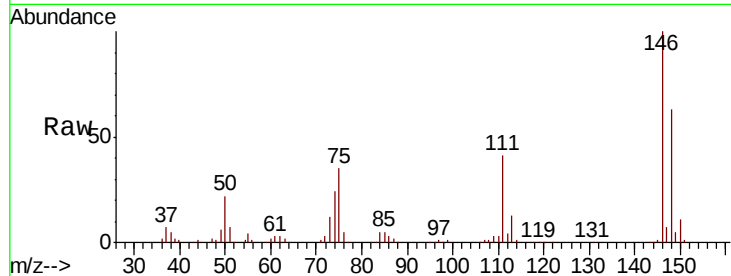




#62
 1,3-Dichlorobenzene
 Concen: 4.578 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV015895.D
 Acq: 05 May 2020 11:44

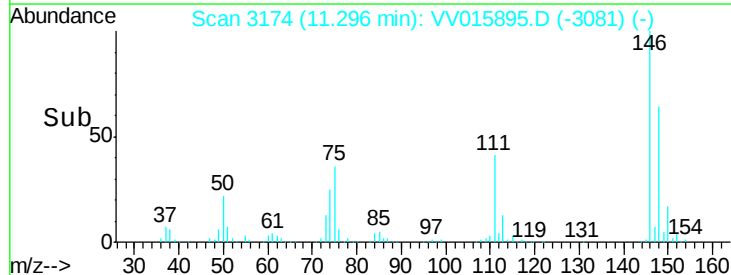
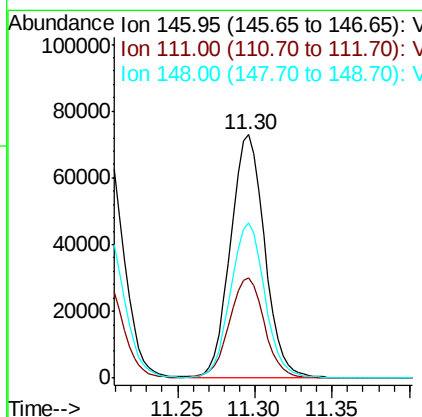
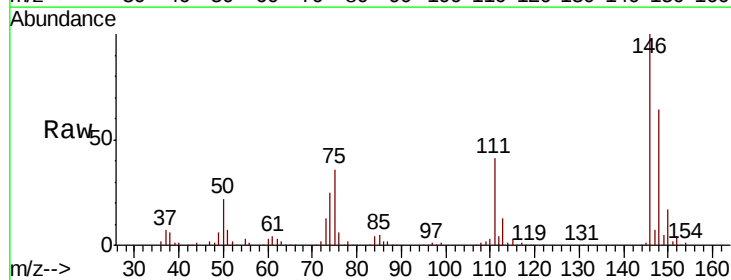
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

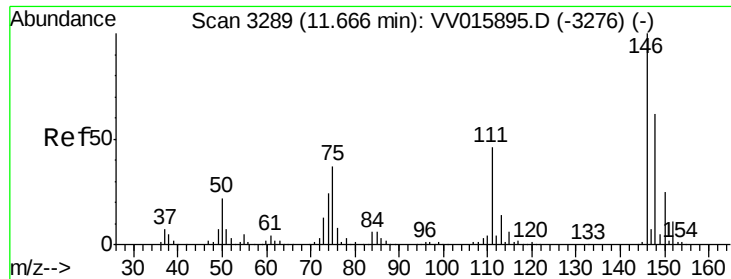
Tot Ion:146 Resp: 112075
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.7 53.3
 148 62.9 44.0 81.8



#63
 1,4-Dichlorobenzene
 Concen: 4.513 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015895.D
 Acq: 05 May 2020 11:44

Tgt Ion:146 Resp: 111354
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.9 53.7
 148 63.7 44.6 82.8





#65

1,2-Dichlorobenzene

Concen: 4.613 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD00532

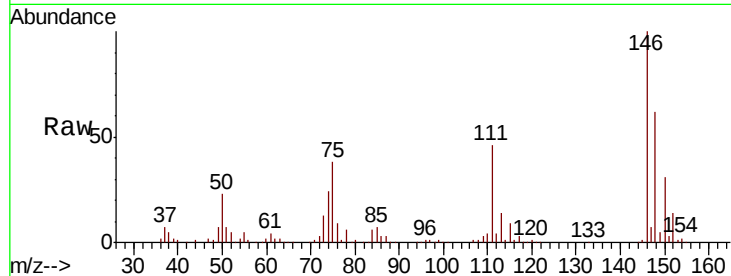
Tot Ion:146 Resp: 102005

Ion Ratio Lower Upper

146 100

111 46.2 37.0 55.4

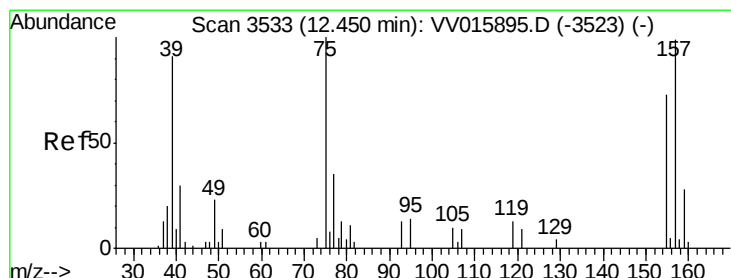
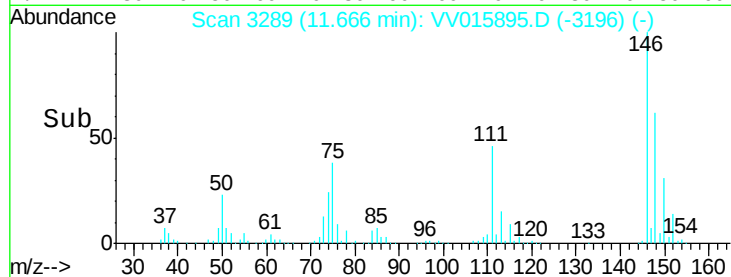
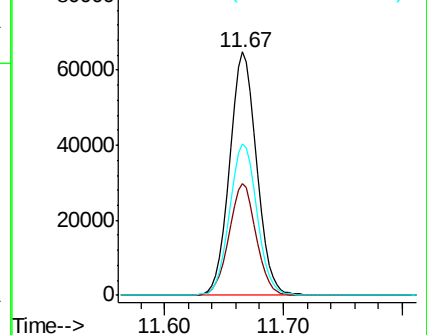
148 62.2 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.757 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

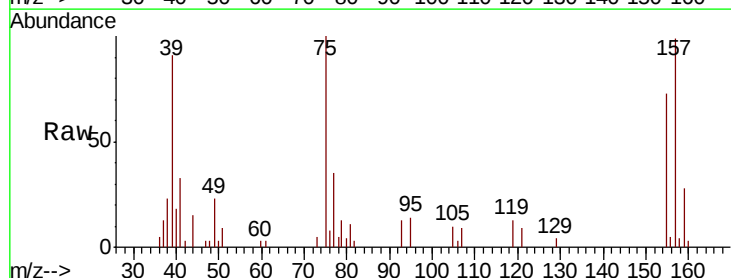
Tgt Ion: 75 Resp: 6849

Ion Ratio Lower Upper

75 100

155 72.8 58.2 87.4

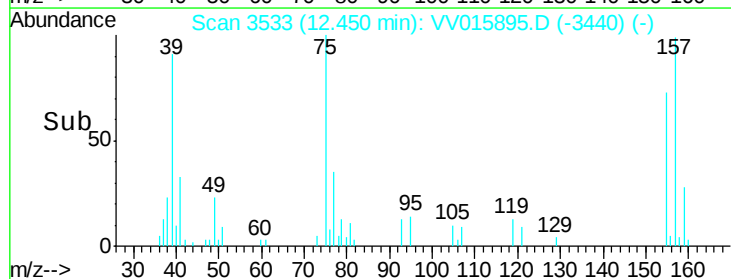
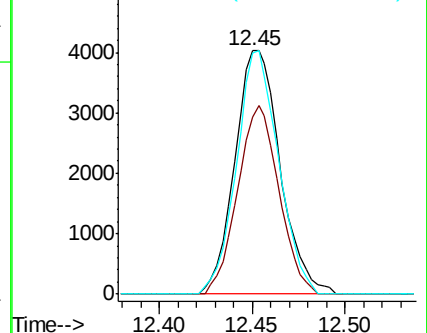
157 99.3 79.4 119.2

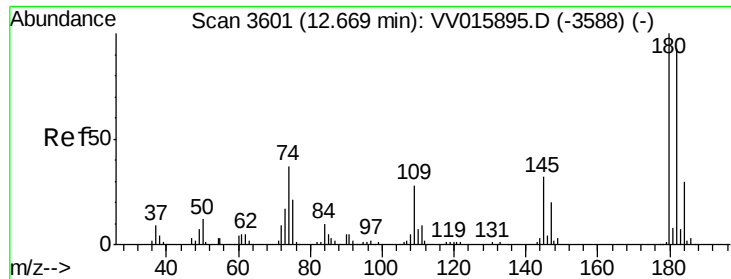


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

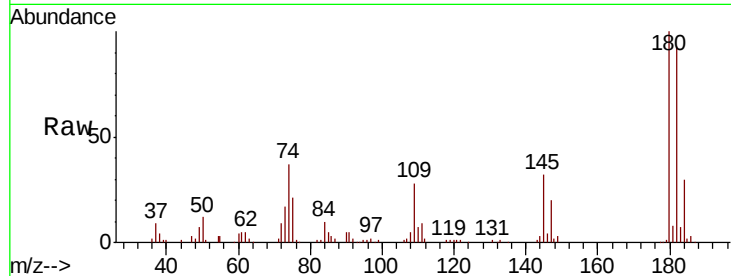




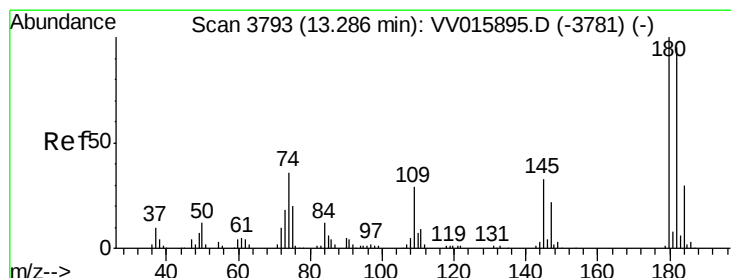
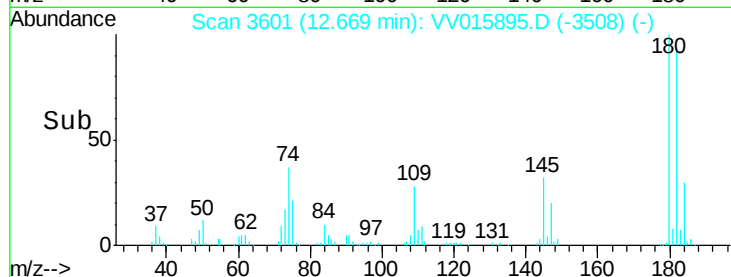
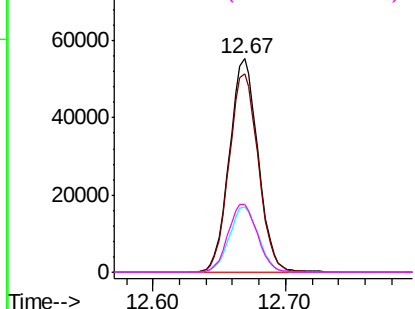
#67
 1,3,5-Trichlorobenzene
 Concen: 4.573 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015895.D
 Acq: 05 May 2020 11:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

Tot Ion:180 Resp: 83077
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.8 113.6
 184 30.7 24.6 36.8
 145 32.5 26.0 39.0

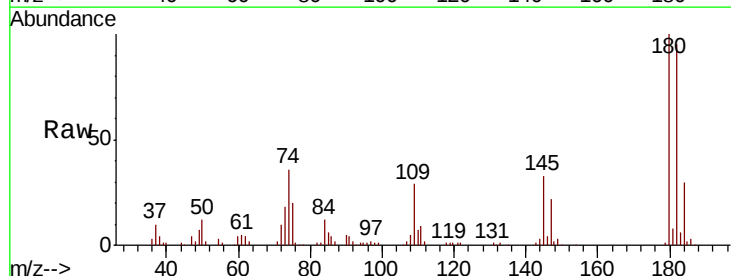


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

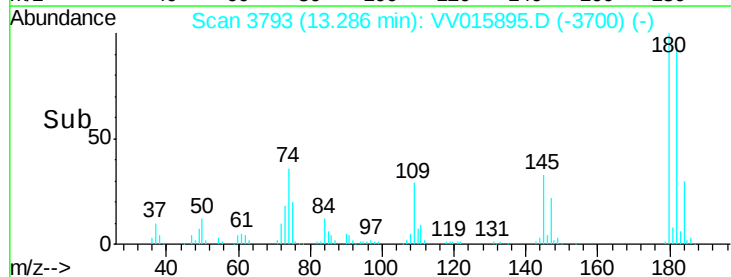
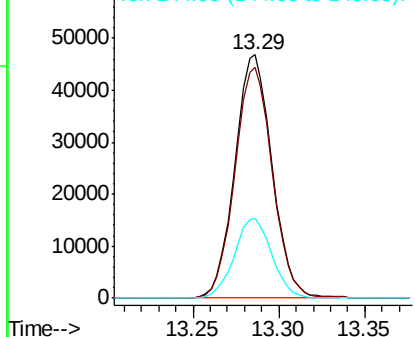


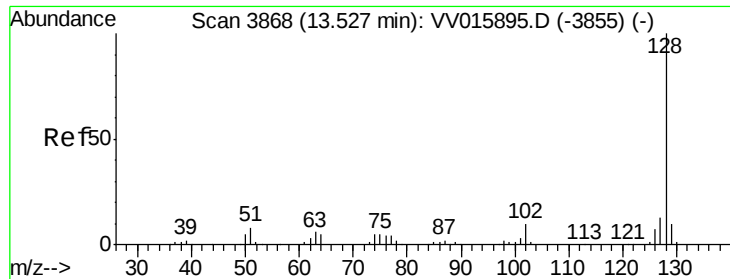
#68
 1,2,4-trichlorobenzene
 Concen: 4.296 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015895.D
 Acq: 05 May 2020 11:44

Tgt Ion:180 Resp: 70604
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.7 115.1
 145 33.0 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.186 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD00532

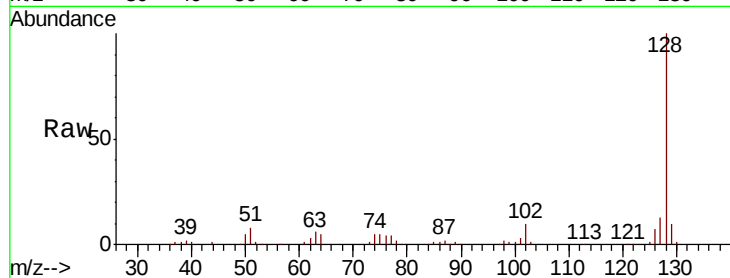
Tot Ion:128 Resp: 123465

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

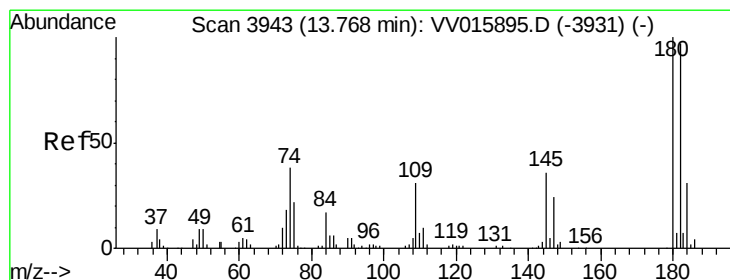
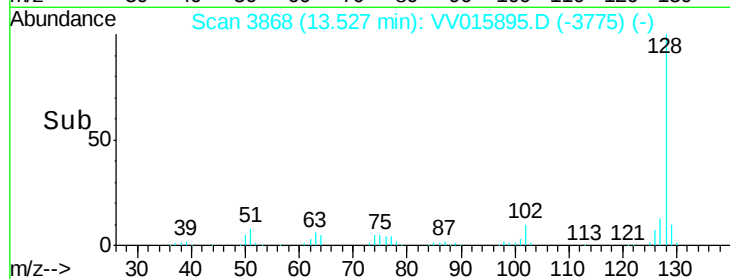
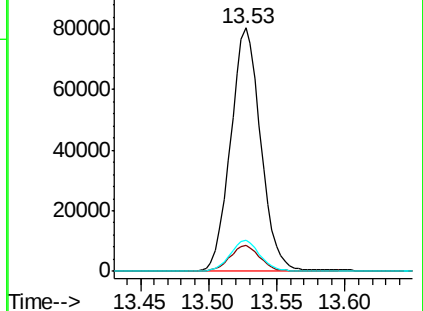
127 12.7 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.364 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015895.D

Acq: 05 May 2020 11:44

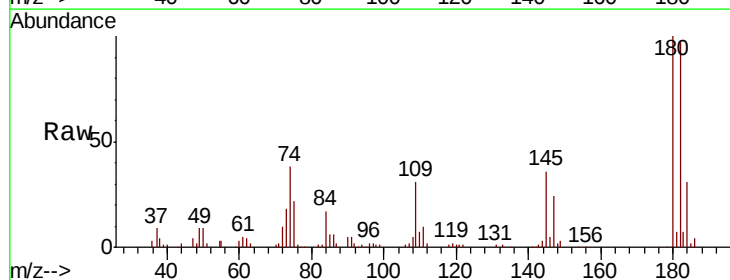
Tgt Ion:180 Resp: 63677

Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.6

145 35.4 28.3 42.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

