

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018823.D
 Acq On : 09 Oct 2020 16:46
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

Quant Time: Oct 09 23:55:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 09 23:43:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	346407	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	335187	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	164646	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	144252	45.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.66%
7) Chloroethane-d5	1.58	69	118119	46.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.24%
11) 1,1-Dichloroethene-d2	2.13	63	274274	45.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.40%
21) 2-Butanone-d5	3.91	46	208018	107.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.63%
24) Chloroform-d	4.38	84	270976	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.06	65	185717	49.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.68%
32) Benzene-d6	5.08	84	535458	49.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.28%
36) 1,2-Dichloropropane-d6	6.09	67	172949	49.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.34%
41) Toluene-d8	7.34	98	492078	51.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.78%
43) trans-1,3-Dichloropropene-	7.64	79	79829	46.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.86%
47) 2-Hexanone-d5	8.11	63	129910	105.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.38%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	192874	47.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.34%
64) 1,2-Dichlorobenzene-d4	11.65	152	182796	50.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	96672	43.233	ug/L	99
3) Chloromethane	1.25	50	129556	44.163	ug/L	100
5) Vinyl chloride	1.32	62	132434	43.299	ug/L	99
6) Bromomethane	1.53	94	77561	43.030	ug/L	99
8) Chloroethane	1.60	64	86909	43.399	ug/L	99
9) Trichlorofluoromethane	1.77	101	194079	43.401	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	105684	42.444	ug/L	100
12) 1,1-Dichloroethene	2.14	96	104872	43.743	ug/L	97
13) Acetone	2.19	43	123906	76.923	ug/L	99
14) Carbon disulfide	2.31	76	295833	41.685	ug/L	99
15) Methyl Acetate	2.45	43	138078	43.880	ug/L	99
16) Methylene chloride	2.52	84	126612	42.899	ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	112272	44.365	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	396232	46.694	ug/L	100
19) 1,1-Dichloroethane	3.21	63	232255	46.765	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	127734	47.759	ug/L	98
22) 2-Butanone	3.99	43	184520	97.763	ug/L	97

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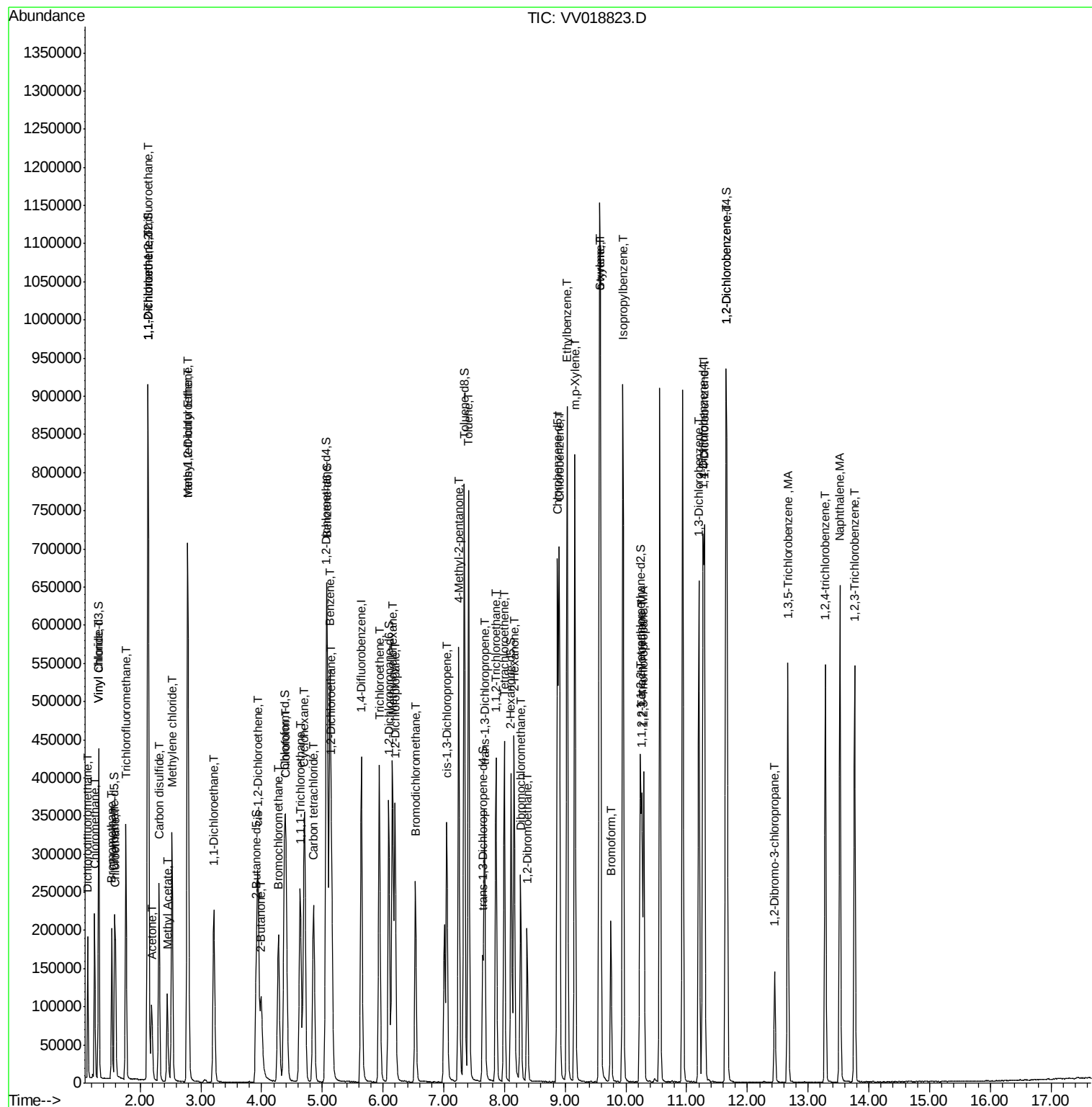
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	64627	46.608	ug/L	95
25) Chloroform	4.41	83	236540	46.407	ug/L	100
27) 1,2-Dichloroethane	5.15	62	194505	46.904	ug/L	99
29) Cyclohexane	4.70	56	197858	48.743	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	203080	45.459	ug/L	99
31) Carbon tetrachloride	4.86	117	173169	45.991	ug/L	100
33) Benzene	5.13	78	500502	47.066	ug/L	100
34) Trichloroethene	5.94	95	139782	45.672	ug/L	99
35) Methylcyclohexane	6.16	83	168394	44.966	ug/L	98
37) 1,2-Dichloropropane	6.20	63	138376	47.372	ug/L	100
38) Bromodichloromethane	6.53	83	174530	47.047	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	197415	47.839	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	376468	99.174	ug/L	100
42) Toluene	7.41	91	535155	48.995	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	191697	45.333	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	125756	47.934	ug/L	98
46) Tetrachloroethene	8.00	164	98560	43.941	ug/L	99
48) 2-Hexanone	8.16	43	290161	96.828	ug/L	99
49) Dibromochloromethane	8.27	129	132724	46.285	ug/L	97
50) 1,2-Dibromoethane	8.37	107	127289	47.439	ug/L	100
51) Chlorobenzene	8.90	112	339959	46.895	ug/L	99
52) Ethylbenzene	9.03	91	590095	47.574	ug/L	100
53) m,p-Xylene	9.16	106	216867	47.632	ug/L	98
54) o-xylene	9.56	106	212099	49.048	ug/L	99
55) Styrene	9.58	104	373849	48.845	ug/L	99
56) Isopropylbenzene	9.95	105	564008	47.138	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	169031	46.188	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	156460	45.015	ug/L	99
61) Bromoform	9.75	173	91716	50.206	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	252483	47.036	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	257578	46.130	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	254571	47.239	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	35118	47.242	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	164884	47.424	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	156174	47.769	ug/L	100
69) Naphthalene	13.52	128	476384	51.715	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	158407	48.809	ug/L	99

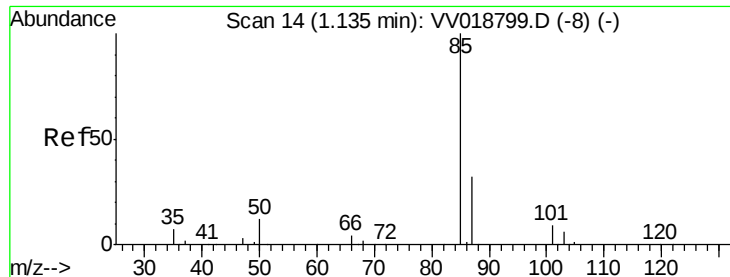
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 43.233 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

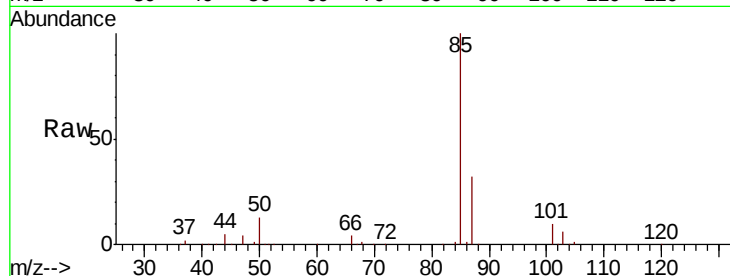
VSTD05082

Tot Ion: 85 Resp: 96672

Ion Ratio Lower Upper

85 100

87 31.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV018799.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV018799.D (-8) (-)

1.14

100000

80000

60000

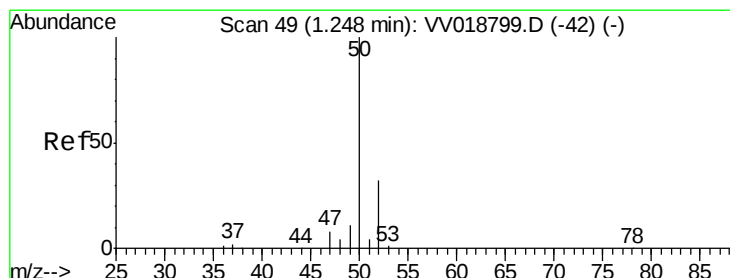
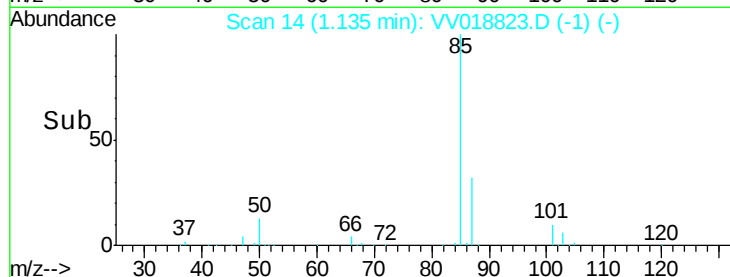
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 44.163 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018823.D

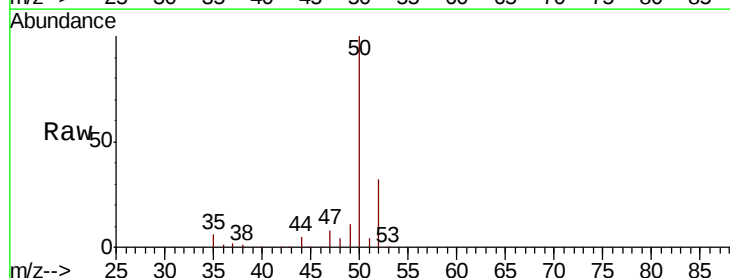
Acq: 09 Oct 2020 16:46

Tgt Ion: 50 Resp: 129556

Ion Ratio Lower Upper

50 100

52 32.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV018799.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018799.D (-42) (-)

1.25

150000

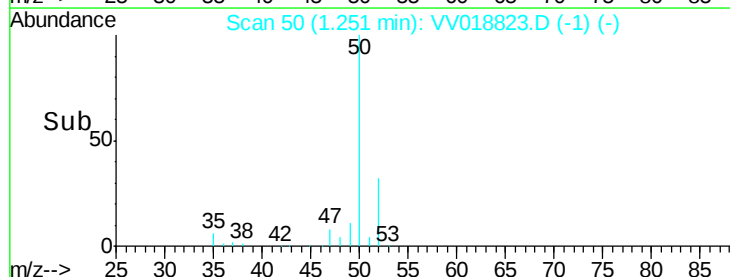
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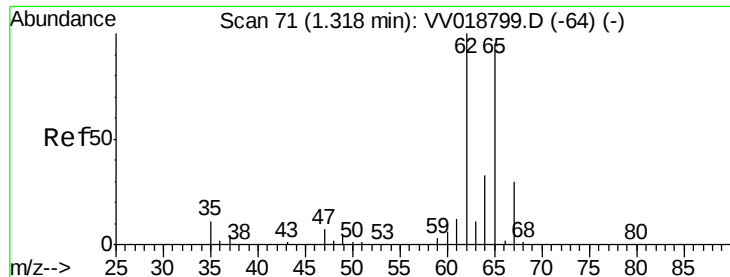
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 43.299 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

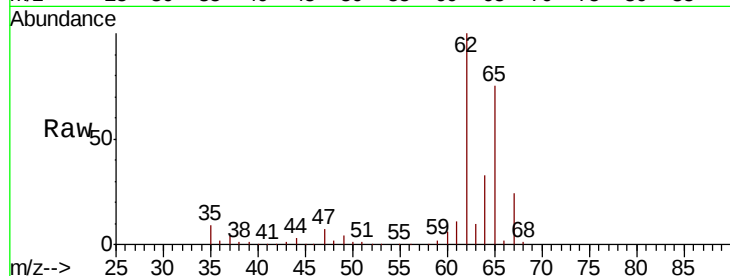
VSTD05082

Tot Ion: 62 Resp: 132434

Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

150000

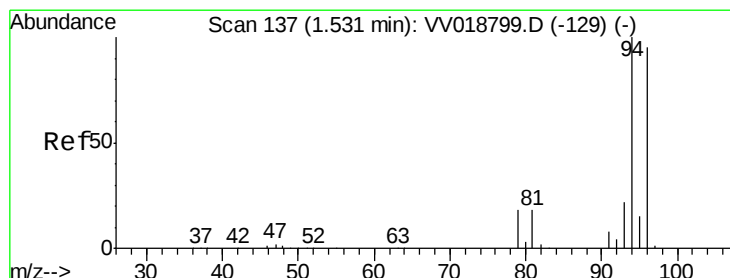
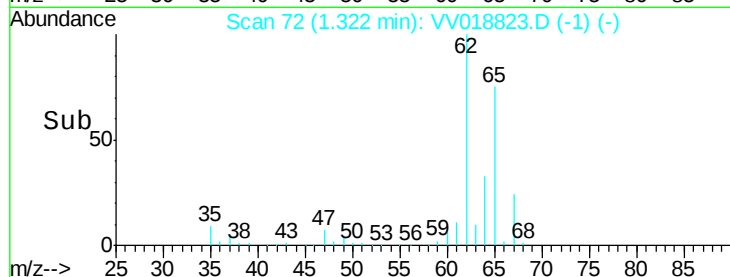
100000

50000

0

1.30 1.32 1.35 1.40

Time-->



#6

Bromomethane

Concen: 43.030 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018823.D

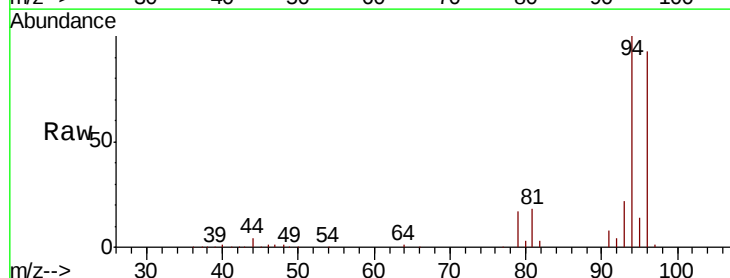
Acq: 09 Oct 2020 16:46

Tgt Ion: 94 Resp: 77561

Ion Ratio Lower Upper

94 100

96 93.5 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

80000

60000

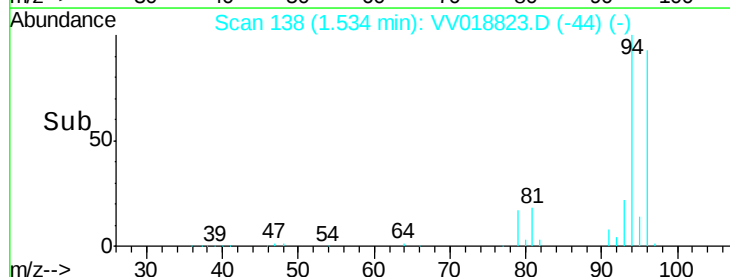
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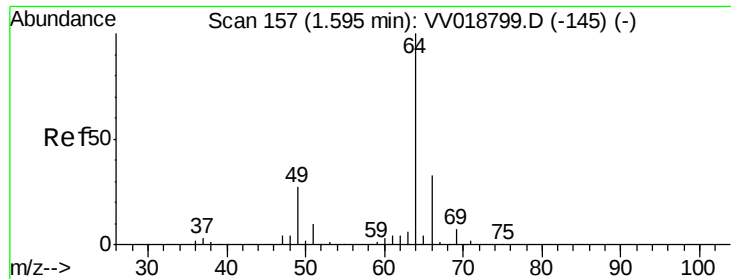
20000

0

1.50 1.53 1.55 1.60

Time-->





#8

Chloroethane

Concen: 43.399 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

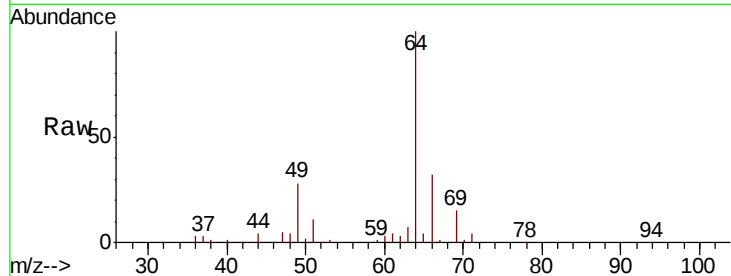
VSTD05082

Tot Ion: 64 Resp: 86909

Ion Ratio Lower Upper

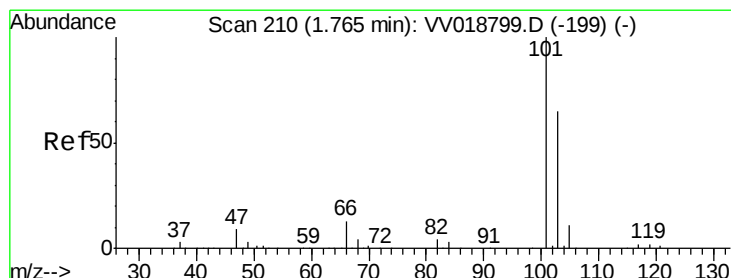
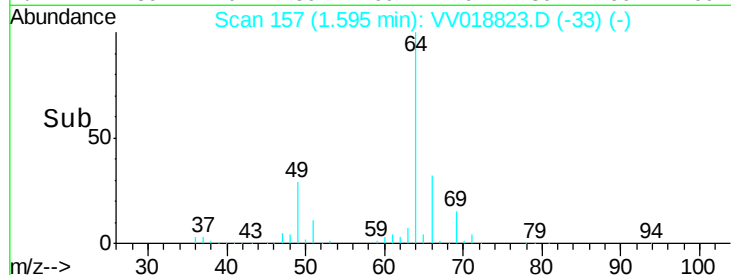
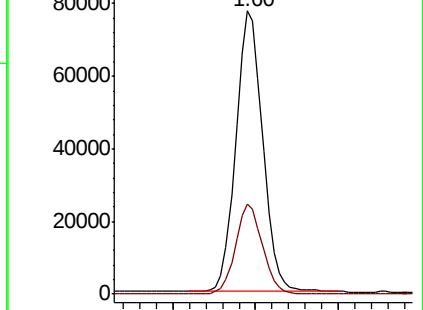
64 100

66 31.7 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VV018799.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV018799.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 43.401 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018823.D

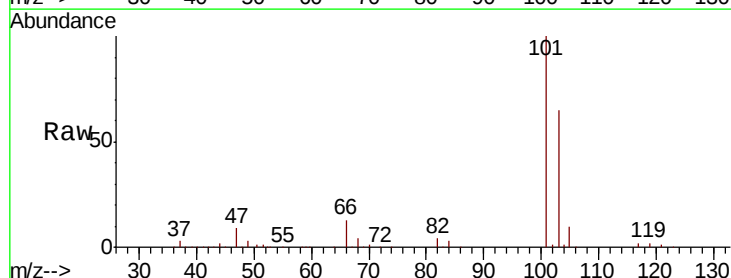
Acq: 09 Oct 2020 16:46

Tgt Ion: 101 Resp: 194079

Ion Ratio Lower Upper

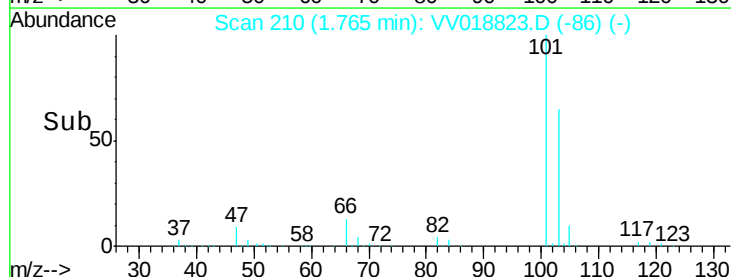
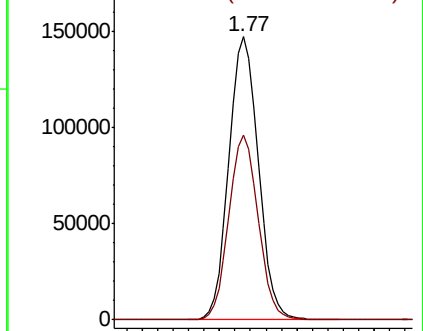
101 100

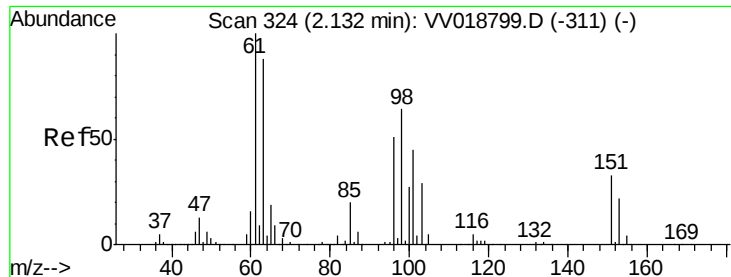
103 64.8 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV018799.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018799.D (-199) (-)





#10

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

Concen: 42.444 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

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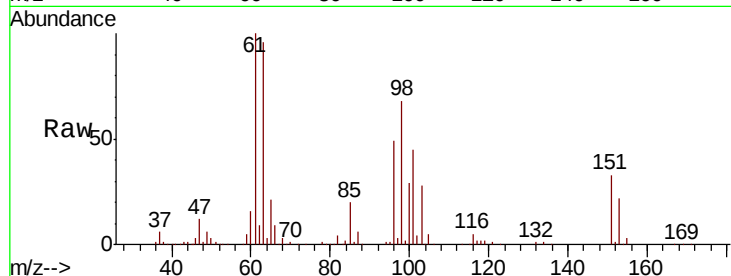
Tot Ion:101 Resp: 105684

Ion Ratio Lower Upper

101 100

85 45.2 35.9 53.9

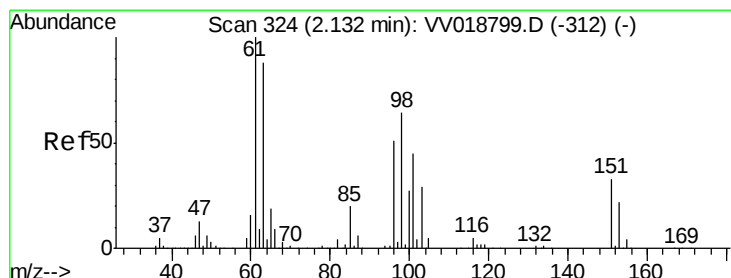
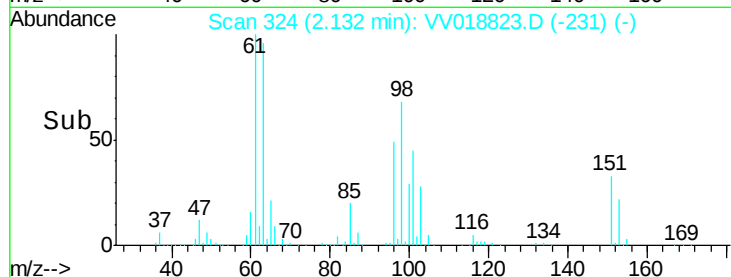
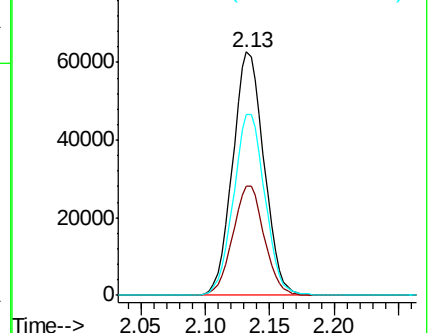
151 74.9 59.8 89.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 43.743 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

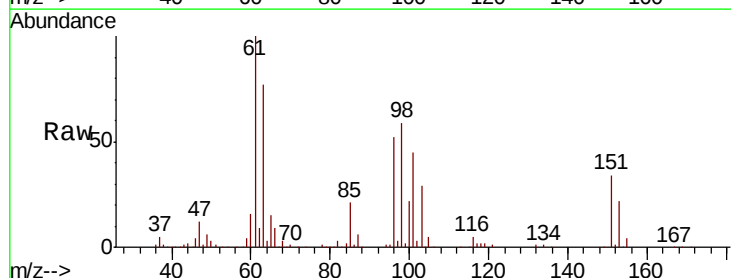
Tgt Ion: 96 Resp: 104872

Ion Ratio Lower Upper

96 100

61 192.9 133.6 248.0

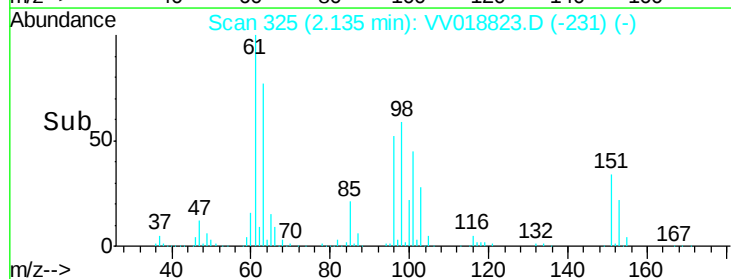
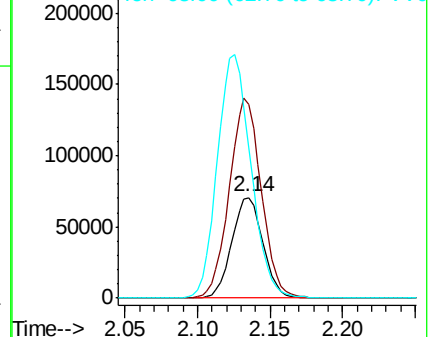
63 149.4 108.4 201.4

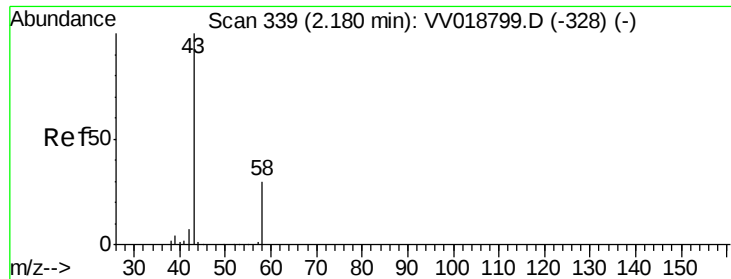


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 76.923 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VV018823.D

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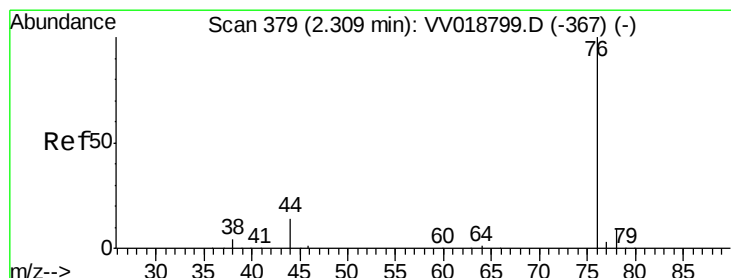
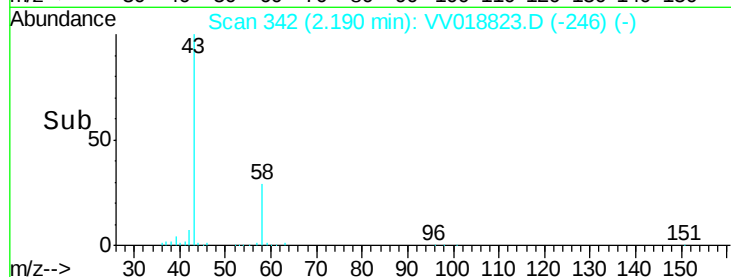
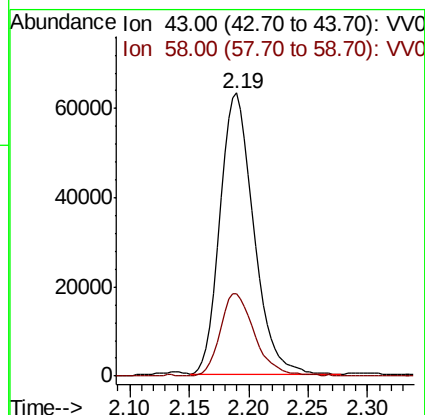
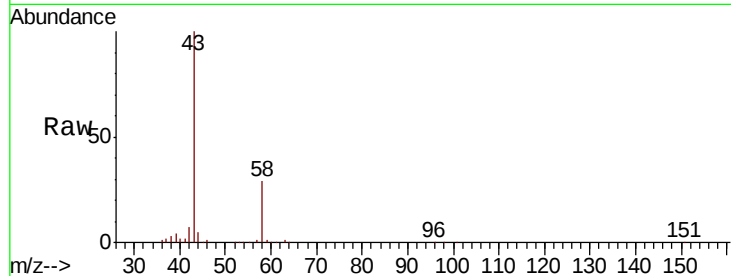
VSTD05082

Tot Ion: 43 Resp: 123906

Ion Ratio Lower Upper

43 100

58 30.2 0.0 61.0



#14

Carbon disulfide

Concen: 41.685 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

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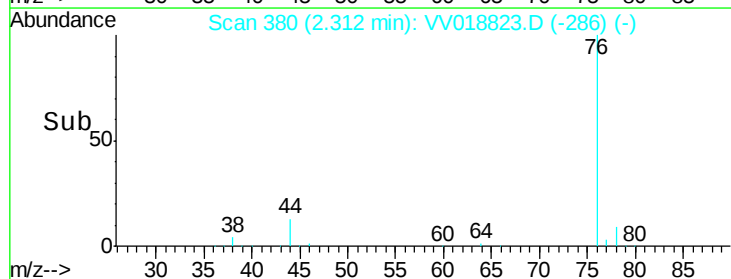
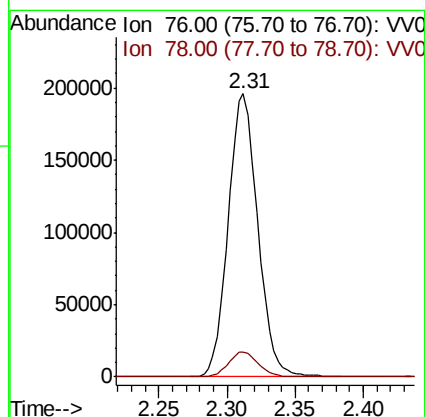
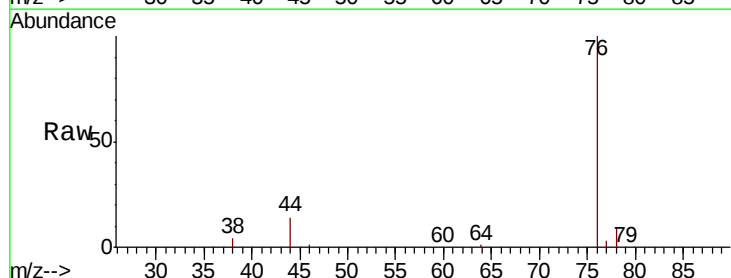
Acq: 09 Oct 2020 16:46

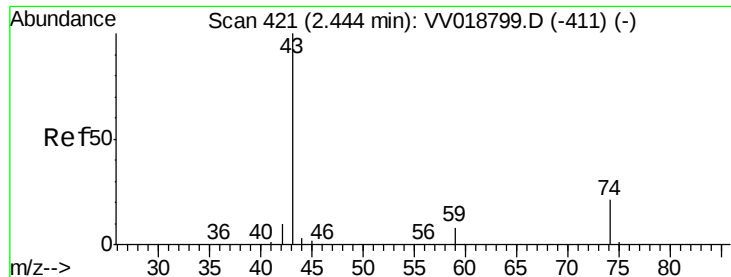
Tgt Ion: 76 Resp: 295833

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

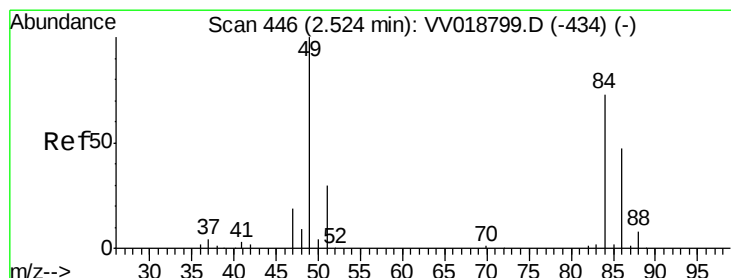
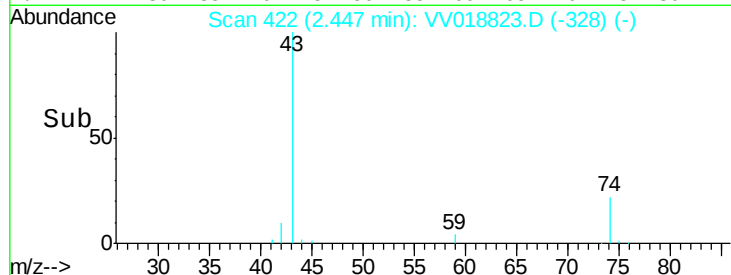
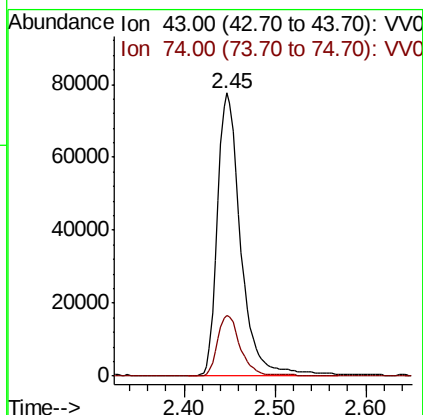
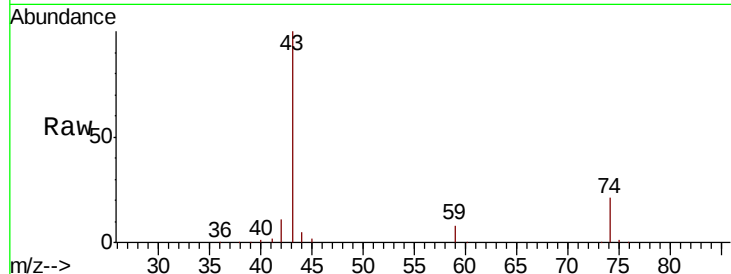




#15
Methvl Acetate
Concen: 43.880 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV018823.D
Acq: 09 Oct 2020 16:46

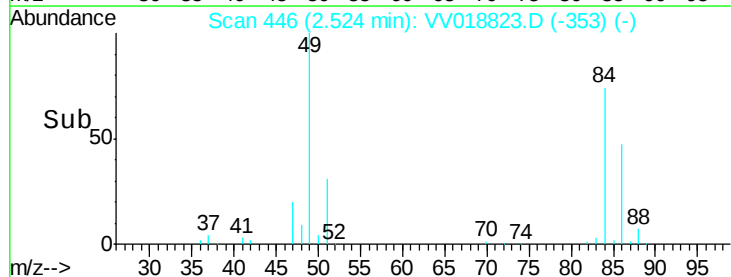
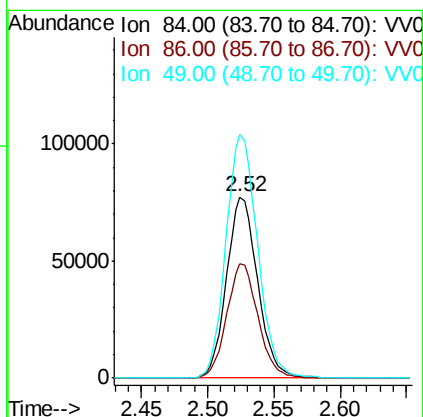
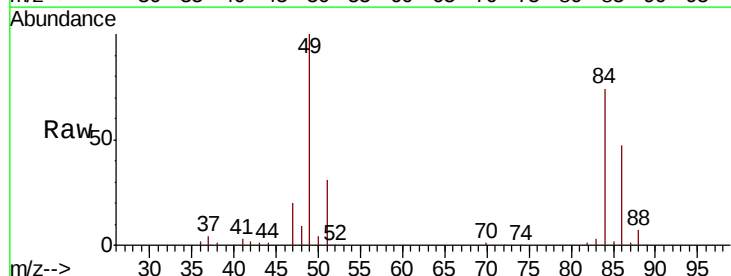
Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

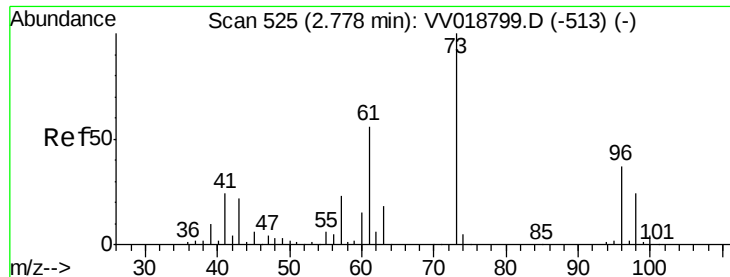
Tot Ion: 43 Resp: 138078
Ion Ratio Lower Upper
43 100
74 21.4 16.9 25.3



#16
Methylene chloride
Concen: 42.899 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018823.D
Acq: 09 Oct 2020 16:46

Tgt Ion: 84 Resp: 126612
Ion Ratio Lower Upper
84 100
86 62.9 45.2 84.0
49 134.5 97.9 181.9





#17

trans-1,2-Dichloroethene

Concen: 44.365 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

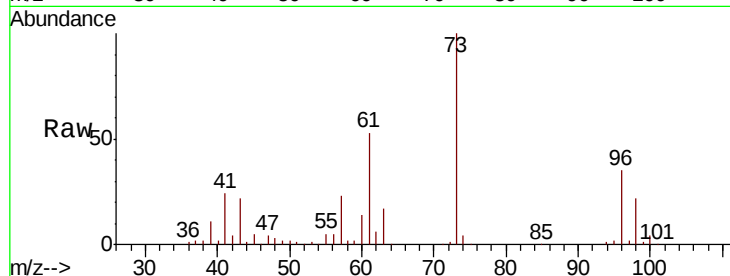
Tot Ion: 96 Resp: 112272

Ion Ratio Lower Upper

96 100

61 153.0 105.7 196.3

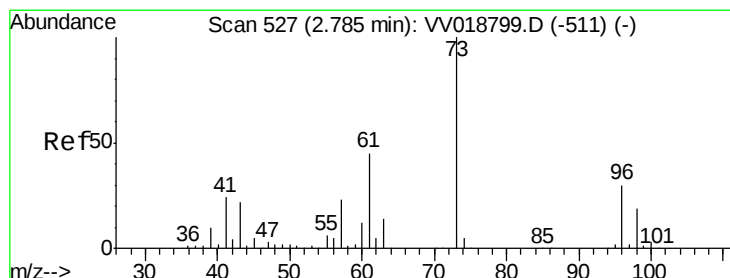
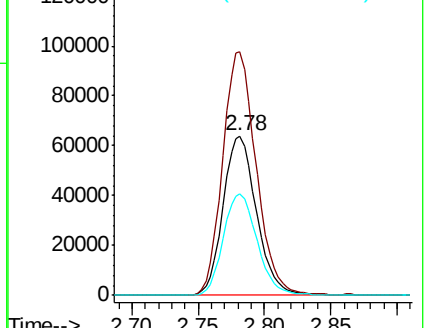
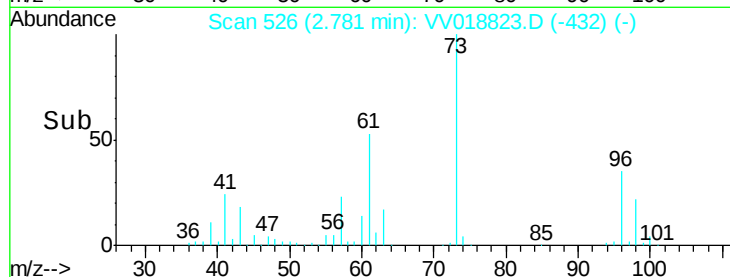
98 63.9 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV018823.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV018823.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV018823.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 46.694 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

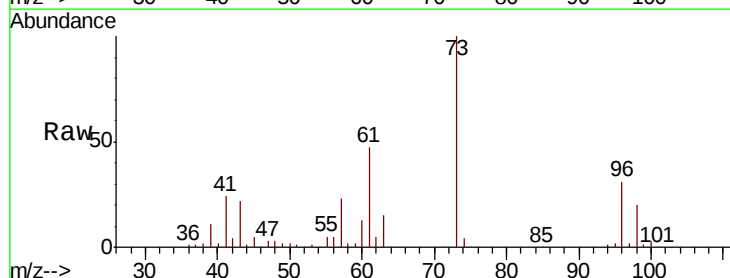
Tgt Ion: 73 Resp: 396232

Ion Ratio Lower Upper

73 100

43 21.3 17.3 25.9

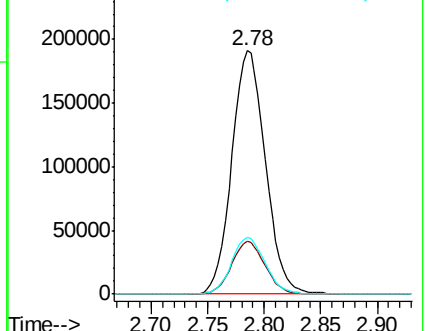
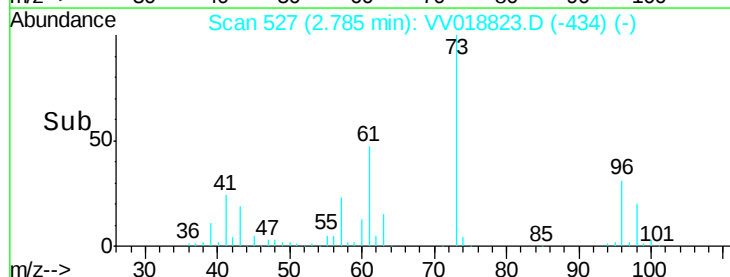
57 23.3 18.5 27.7

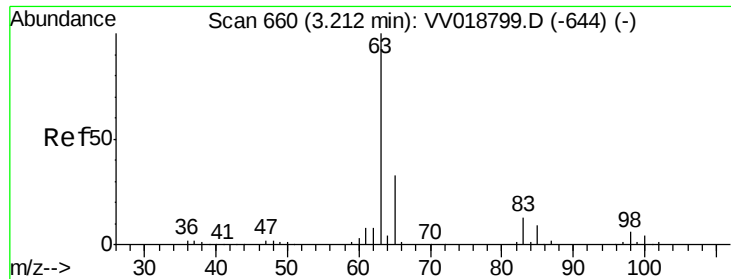


Abundance Ion 73.00 (72.70 to 73.70): VV018823.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VV018823.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VV018823.D (-434) (-)

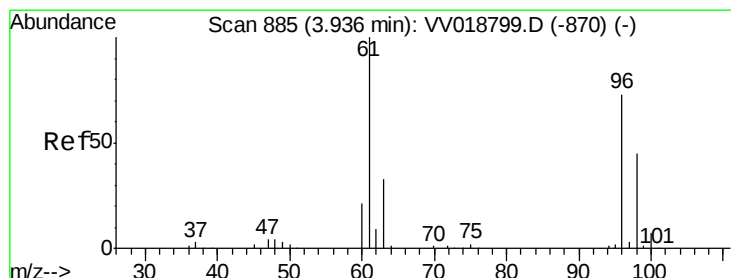
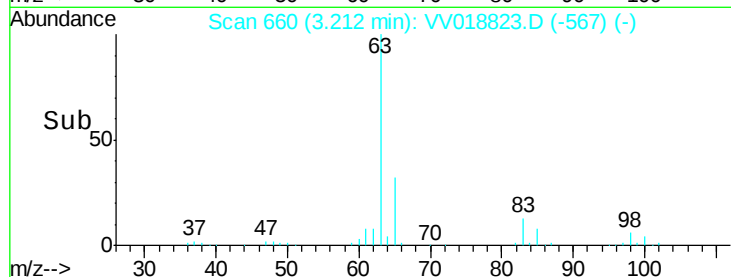
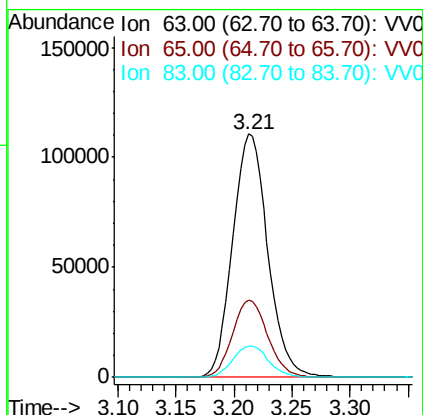
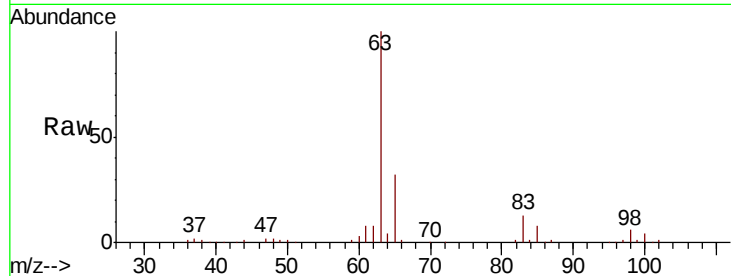




#19
 1,1-Dichloroethane
 Concen: 46.765 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV018823.D
 Acq: 09 Oct 2020 16:46

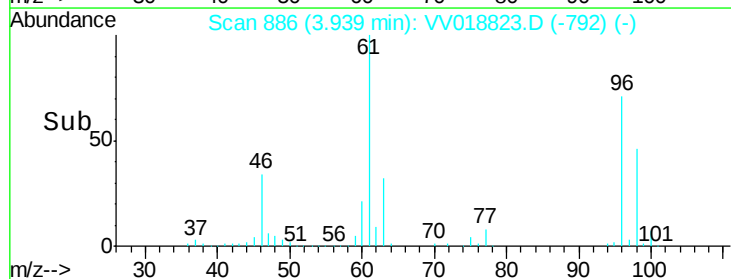
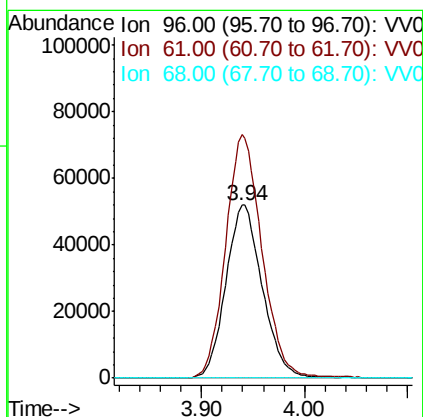
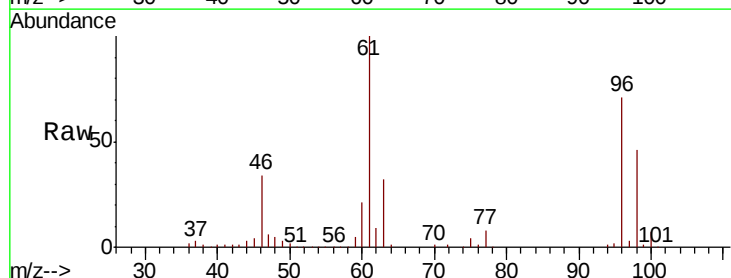
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

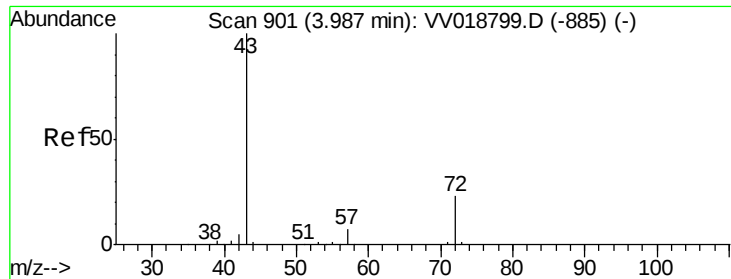
Tot Ion: 63 Resp: 232255
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.0 40.8
 83 12.9 9.2 17.0



#20
 cis-1,2-Dichloroethene
 Concen: 47.759 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018823.D
 Acq: 09 Oct 2020 16:46

Tgt Ion: 96 Resp: 127734
 Ion Ratio Lower Upper
 96 100
 61 140.9 97.3 180.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 97.763 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.01 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

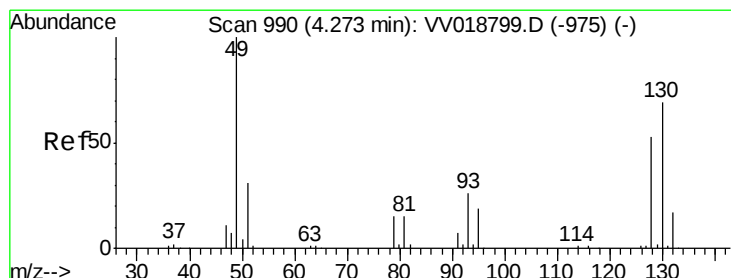
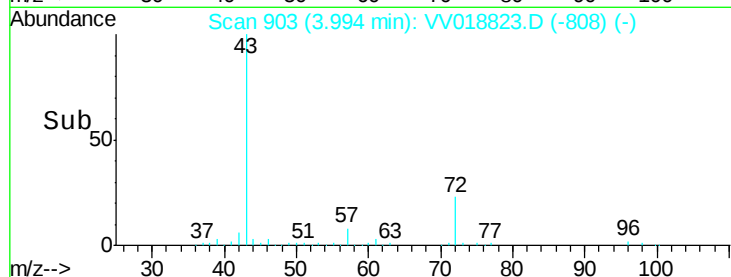
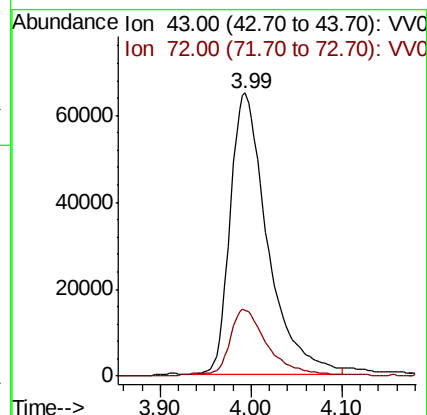
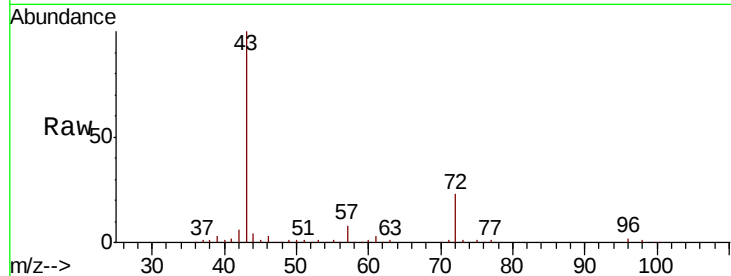
VSTD05082

Tot Ion: 43 Resp: 184520

Ion Ratio Lower Upper

43 100

72 22.5 10.5 31.5



#23

Bromochloromethane

Concen: 46.608 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

Tgt Ion: 128 Resp: 64627

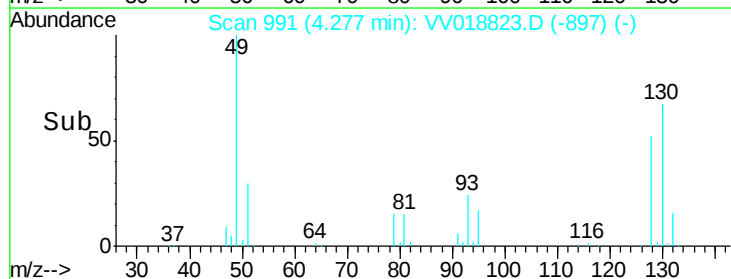
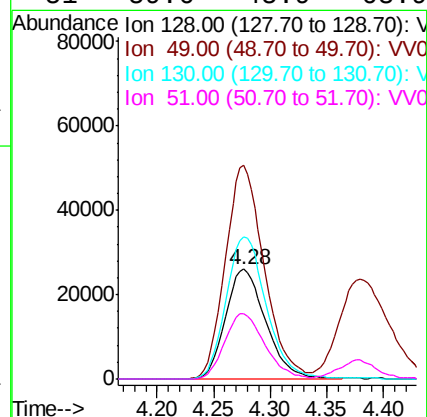
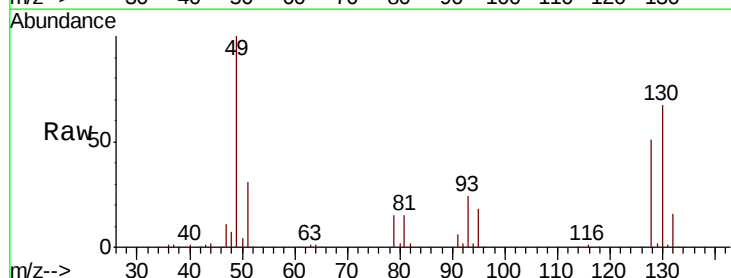
Ion Ratio Lower Upper

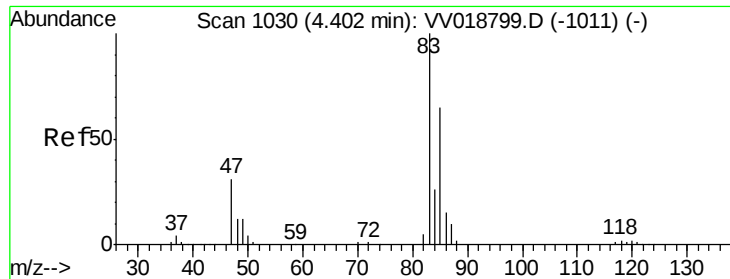
128 100

49 194.5 129.7 240.9

130 129.7 86.7 161.1

51 59.6 45.9 68.9

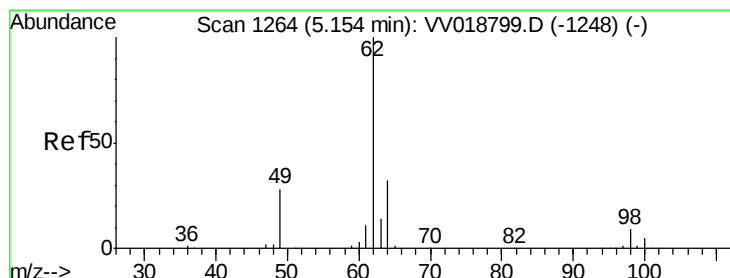
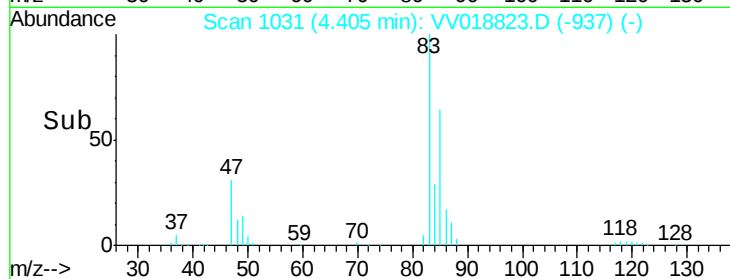
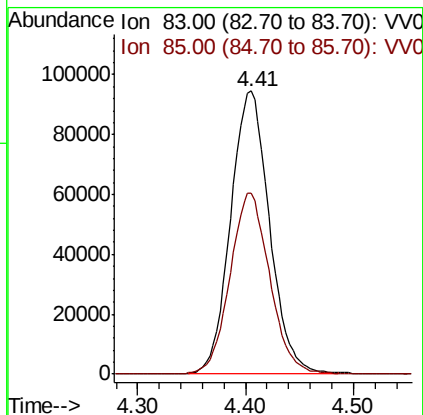
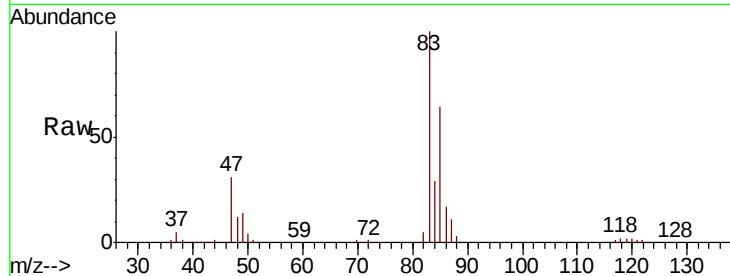




#25
Chloroform
Concen: 46.407 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV018823.D
Acq: 09 Oct 2020 16:46

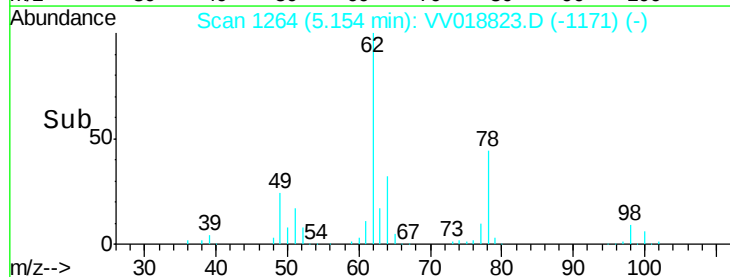
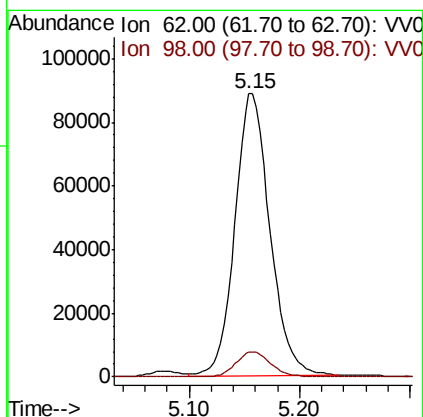
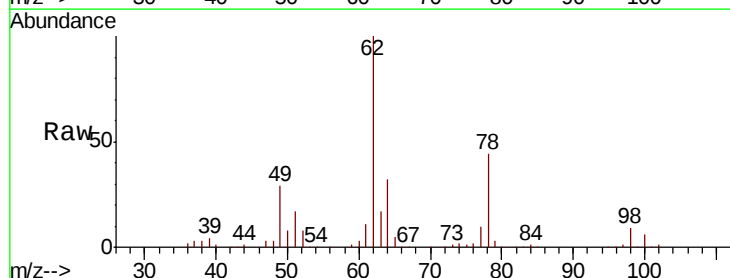
Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

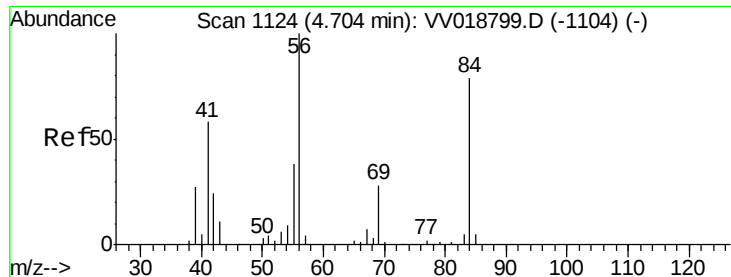
Tot Ion: 83 Resp: 236540
Ion Ratio Lower Upper
83 100
85 64.1 45.0 83.6



#27
1,2-Dichloroethane
Concen: 46.904 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018823.D
Acq: 09 Oct 2020 16:46

Tgt Ion: 62 Resp: 194505
Ion Ratio Lower Upper
62 100
98 8.7 6.6 10.0

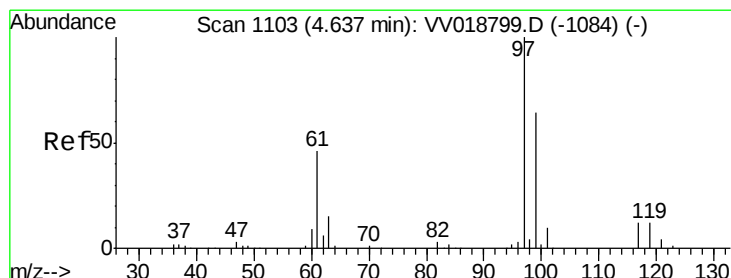
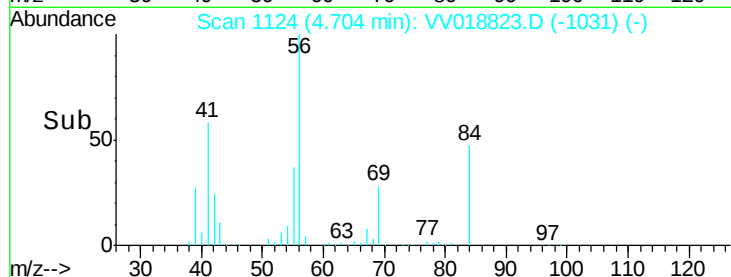
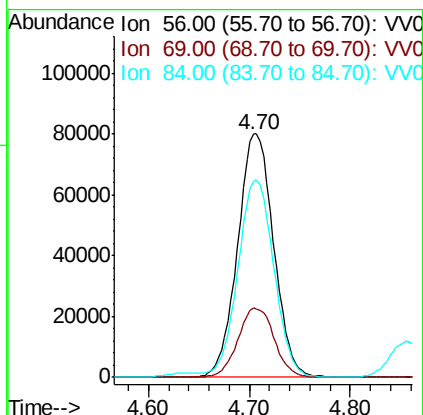
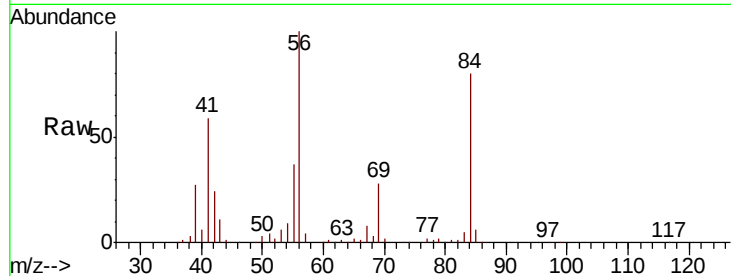




#29
Cyclohexane
Concen: 48.743 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV018823.D
Acq: 09 Oct 2020 16:46

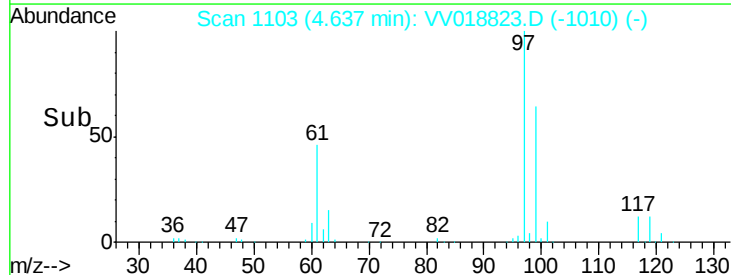
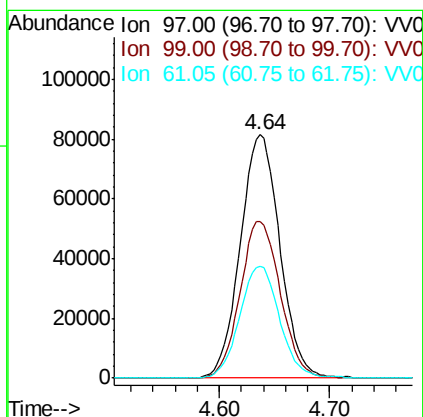
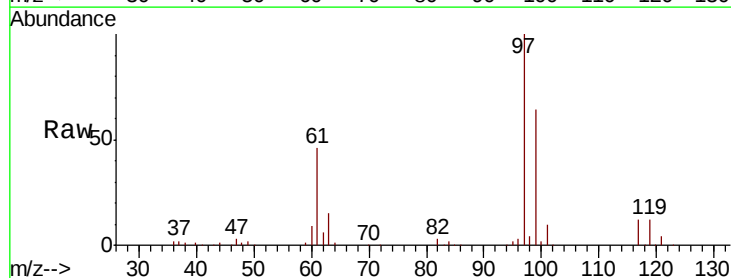
Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

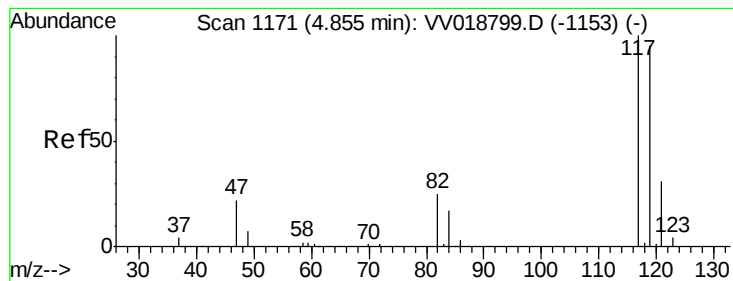
Tot Ion: 56 Resp: 197858
Ion Ratio Lower Upper
56 100
69 28.9 23.1 34.7
84 81.5 65.2 97.8



#30
1,1,1-Trichloroethane
Concen: 45.459 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV018823.D
Acq: 09 Oct 2020 16:46

Tgt Ion: 97 Resp: 203080
Ion Ratio Lower Upper
97 100
99 65.4 51.0 76.4
61 46.3 37.0 55.4





#31

Carbon tetrachloride

Concen: 45.991 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

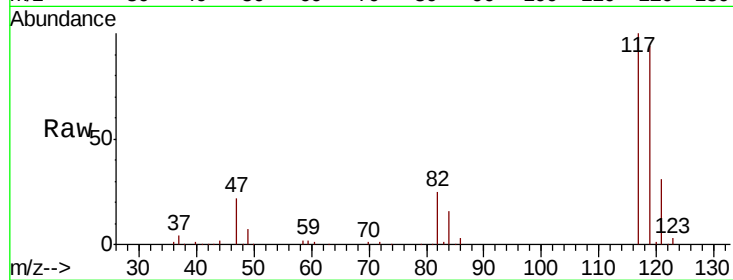
VSTD05082

Tot Ion:117 Resp: 173169

Ion Ratio Lower Upper

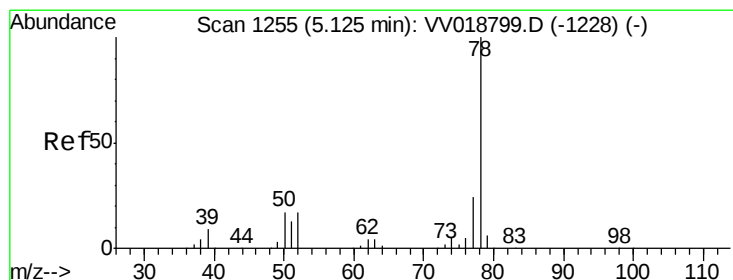
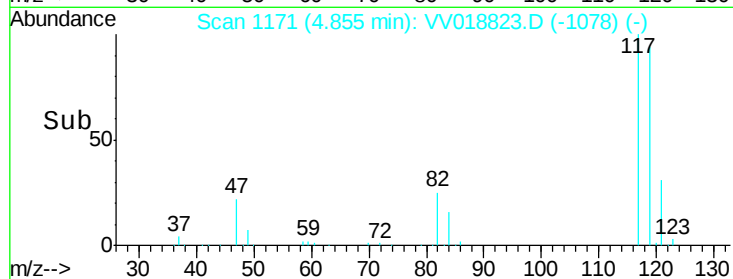
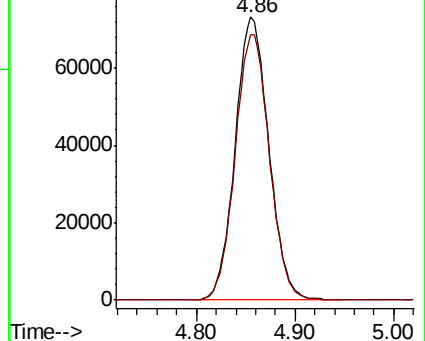
117 100

119 95.5 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.066 ug/L

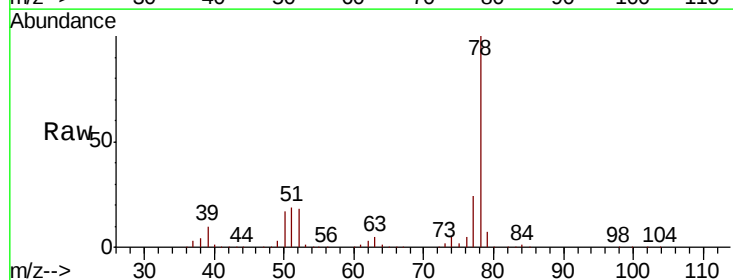
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

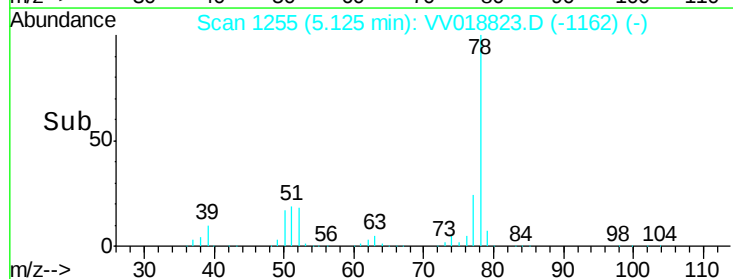
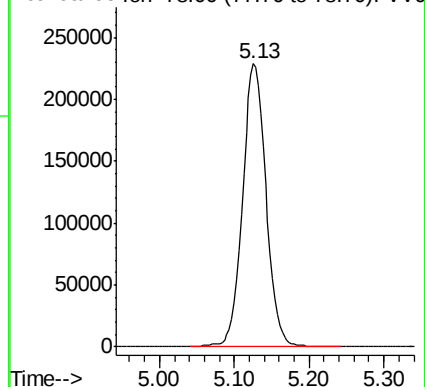
Lab File: VV018823.D

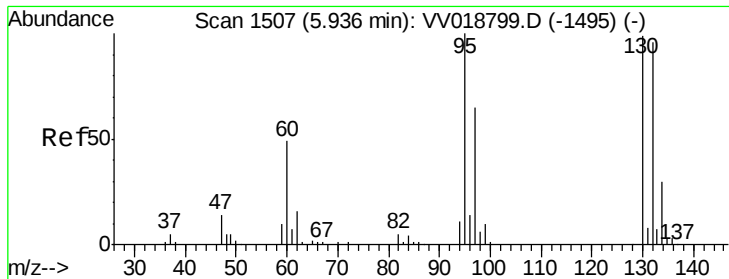
Acq: 09 Oct 2020 16:46

Tgt Ion: 78 Resp: 500502



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 45.672 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

Tot Ion: 95 Resp: 139782

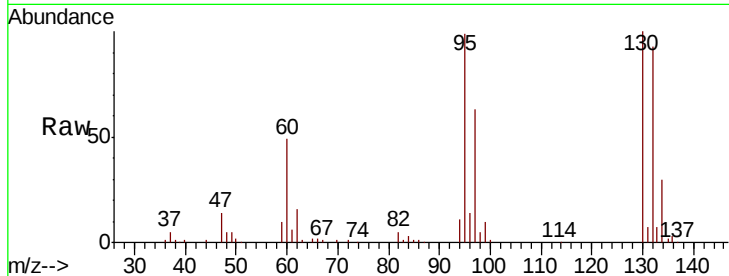
Ion Ratio Lower Upper

95 100

97 64.1 45.1 83.9

132 93.9 66.2 123.0

130 101.2 69.1 128.3

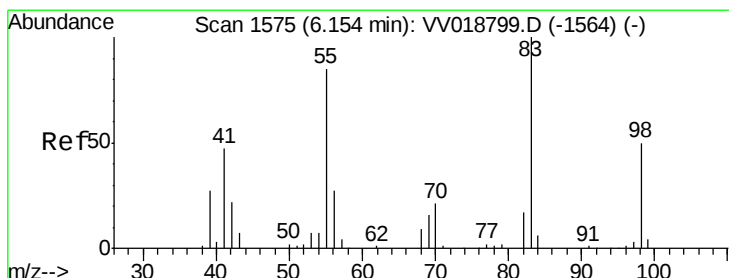
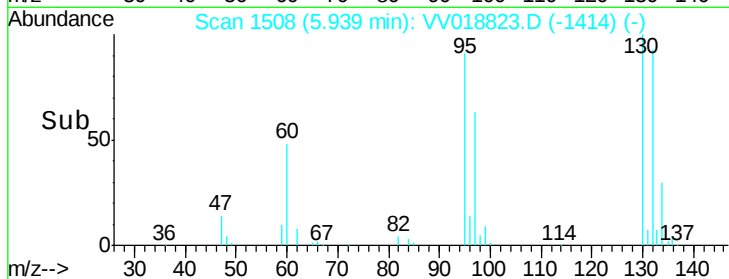
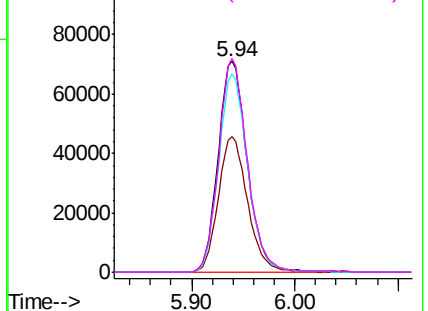


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 44.966 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

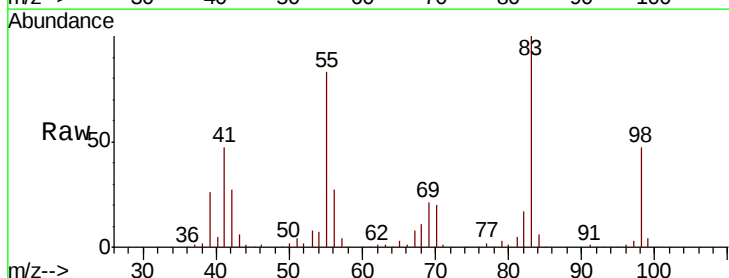
Tgt Ion: 83 Resp: 168394

Ion Ratio Lower Upper

83 100

55 82.4 67.0 100.4

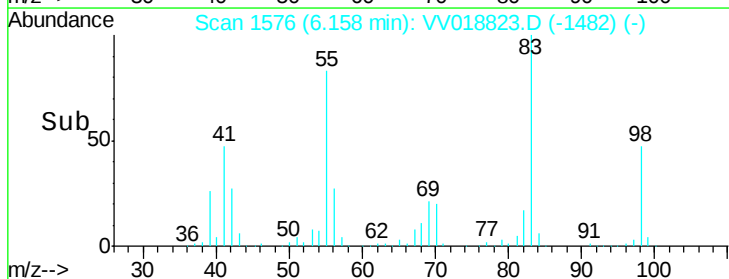
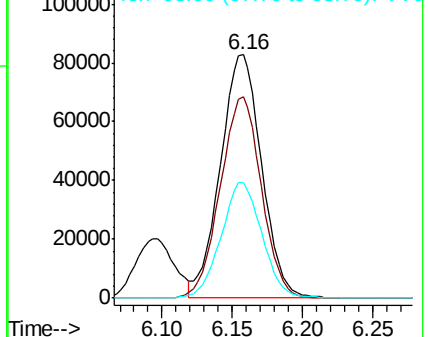
98 47.2 38.8 58.2

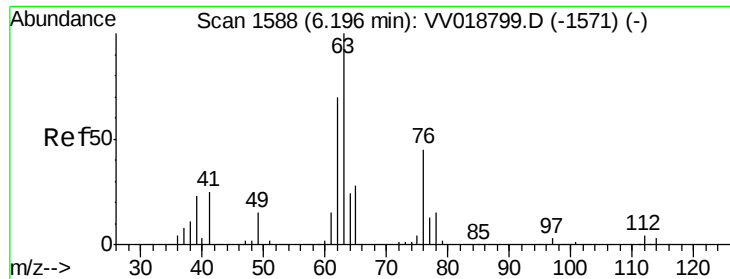


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 47.372 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

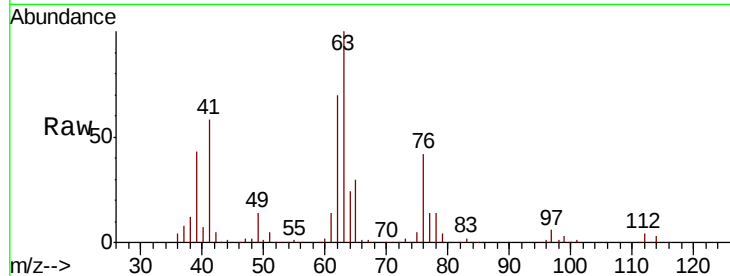
VSTD05082

Tot Ion: 63 Resp: 138376

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VV018799.D (-1571) (-)

Ion 112.00 (111.70 to 112.70): VV018799.D (-1571) (-)

6.20

80000

60000

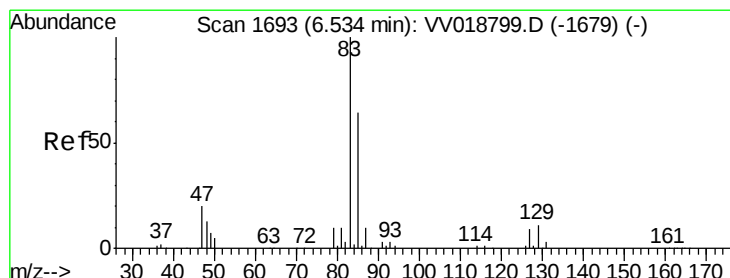
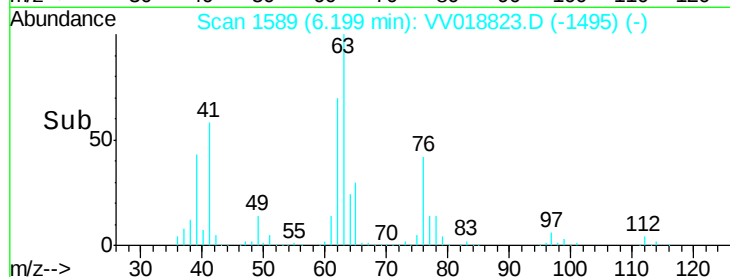
40000

20000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 47.047 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

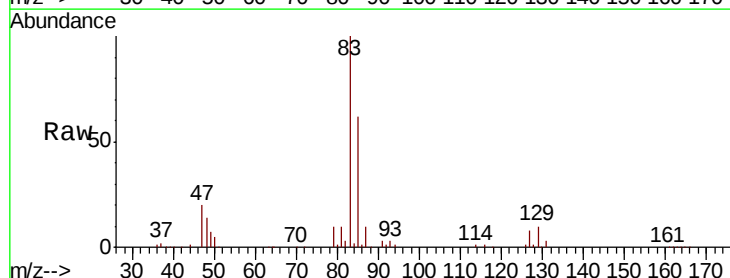
Tgt Ion: 83 Resp: 174530

Ion Ratio Lower Upper

83 100

85 62.0 45.1 83.7

127 8.3 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VV018799.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV018799.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV018799.D (-1679) (-)

6.53

120000

100000

80000

60000

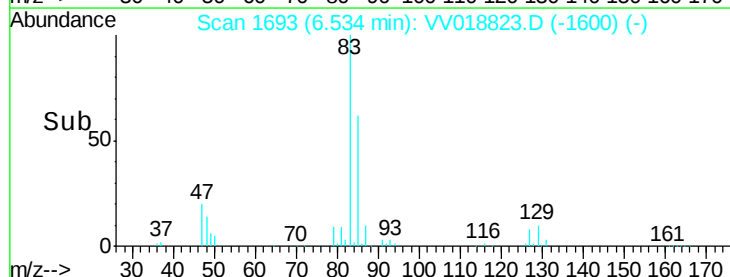
40000

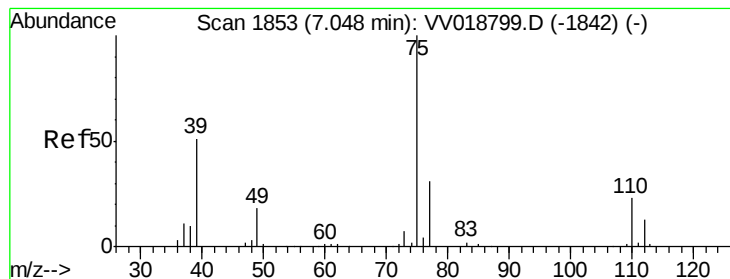
20000

0

6.45 6.50 6.55 6.60 6.65

Time-->



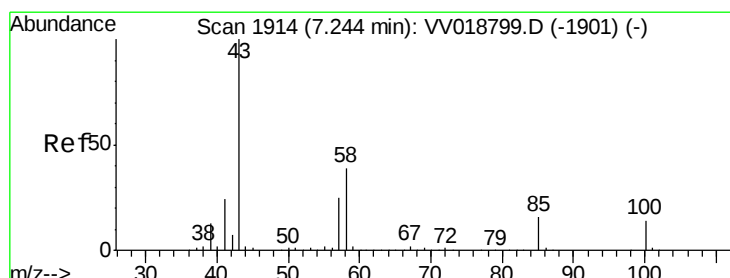
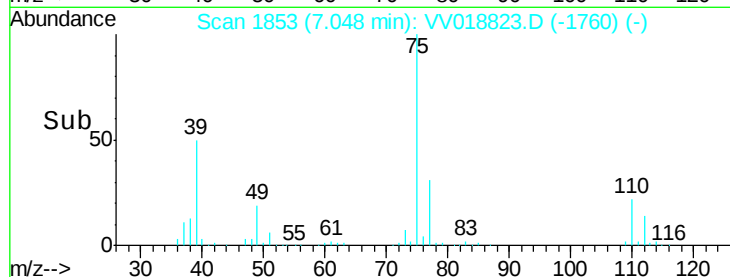
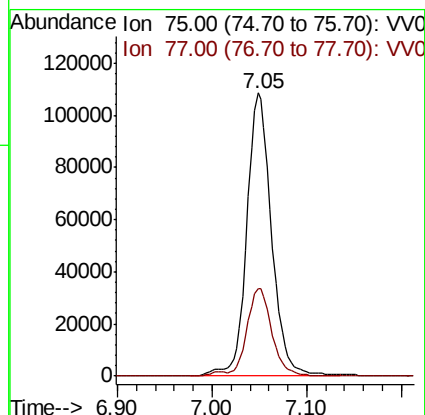
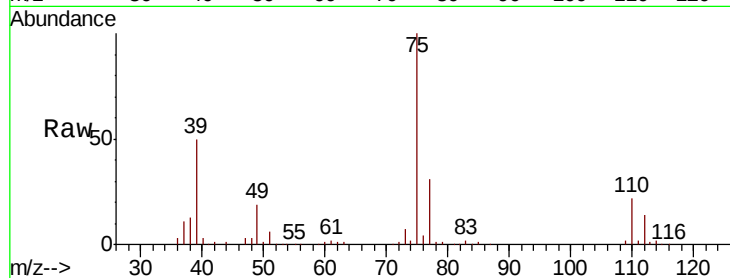


#39

cis-1,3-Dichloropropene
 Concen: 47.839 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018823.D
 Acq: 09 Oct 2020 16:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

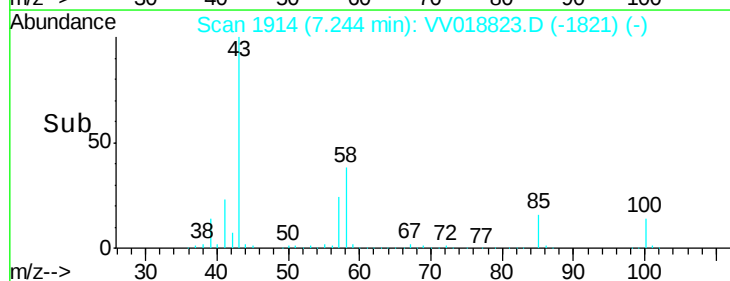
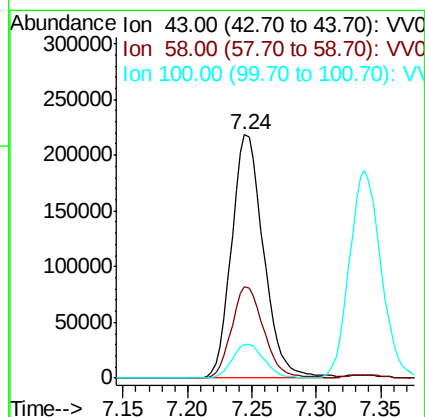
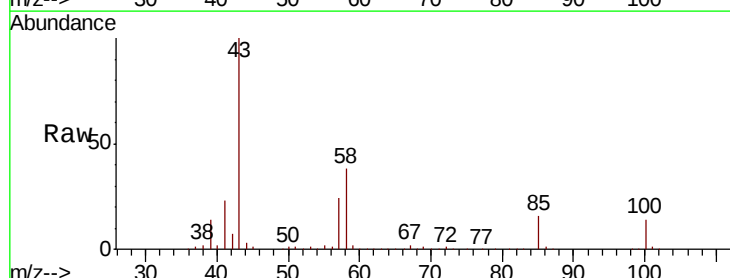
Tot Ion: 75 Resp: 197415
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.8 40.6

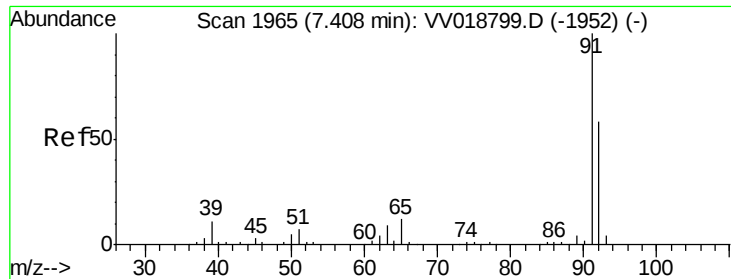


#40

4-Methyl-2-pentanone
 Concen: 99.174 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018823.D
 Acq: 09 Oct 2020 16:46

Tgt Ion: 43 Resp: 376468
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.2 45.4
 100 14.1 11.4 17.2





#42

Toluene

Concen: 48.995 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

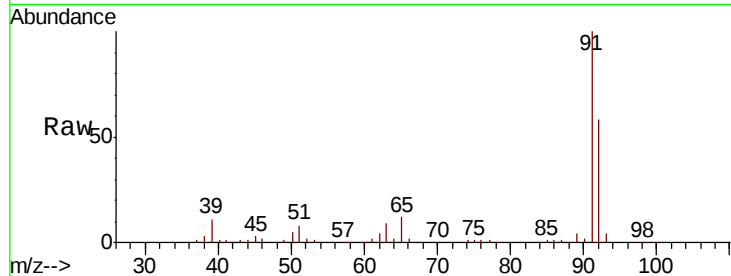
VSTD05082

Tot Ion: 91 Resp: 535155

Ion Ratio Lower Upper

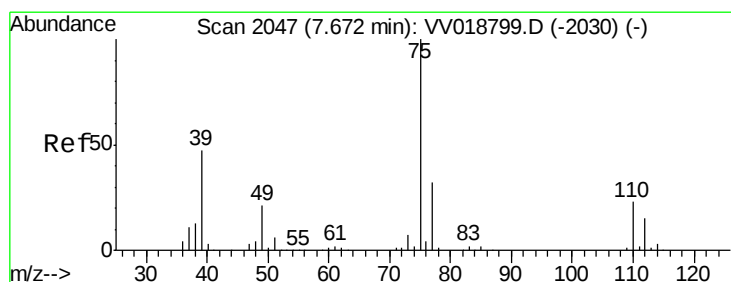
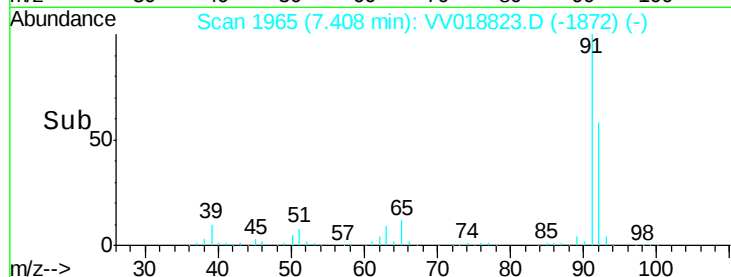
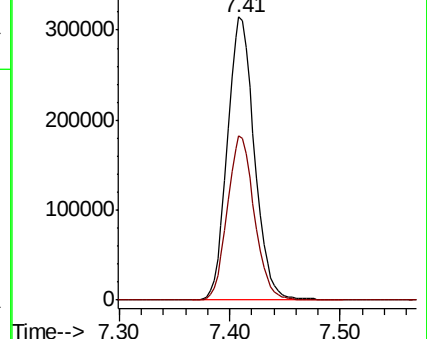
91 100

92 58.0 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 45.333 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018823.D

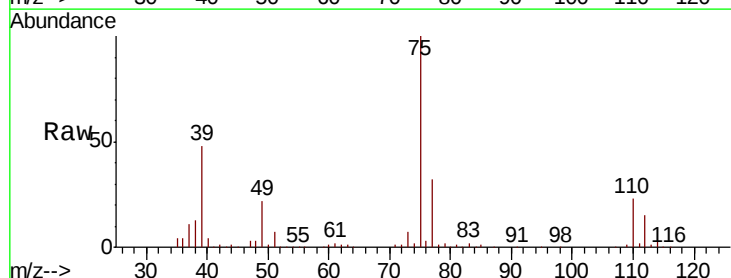
Acq: 09 Oct 2020 16:46

Tgt Ion: 75 Resp: 191697

Ion Ratio Lower Upper

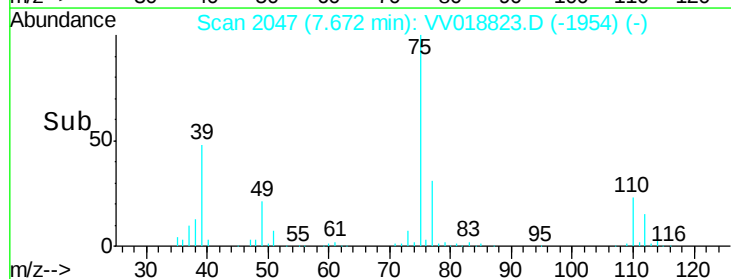
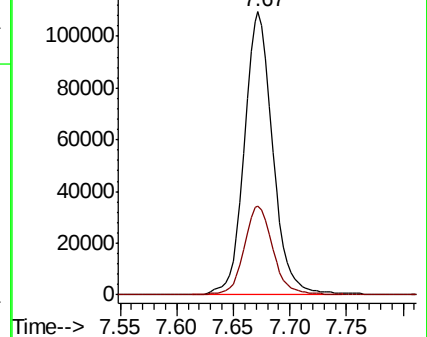
75 100

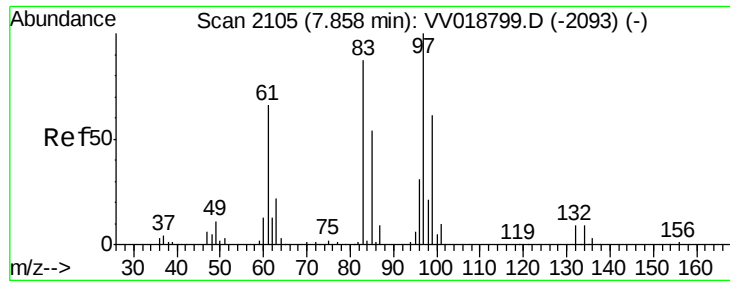
77 31.6 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

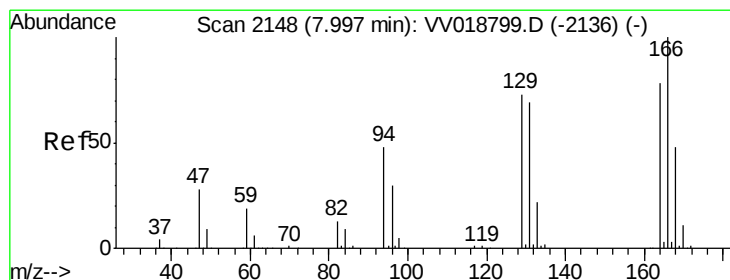
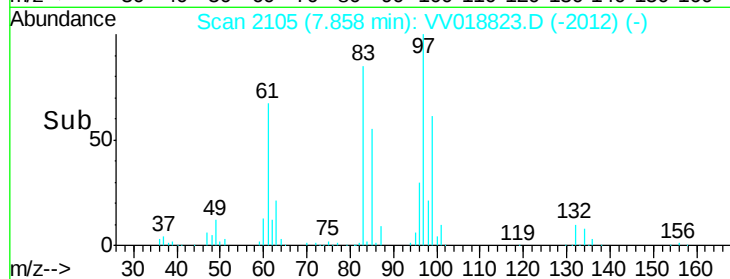
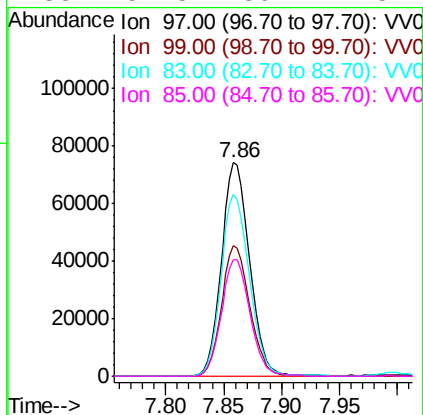
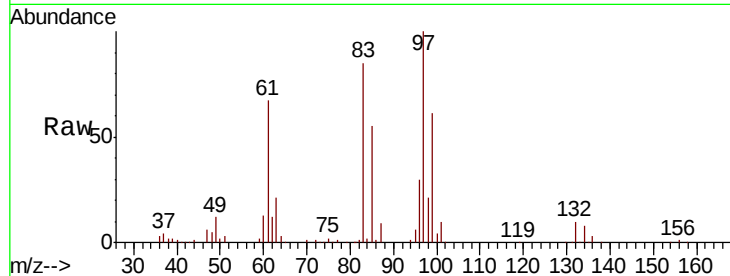




#45
1,1,2-Trichloroethane
Concen: 47.934 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV018823.D
Acq: 09 Oct 2020 16:46

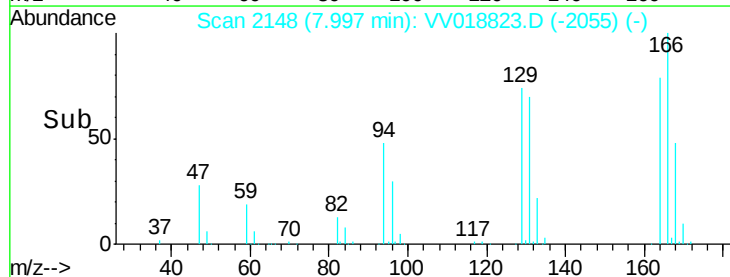
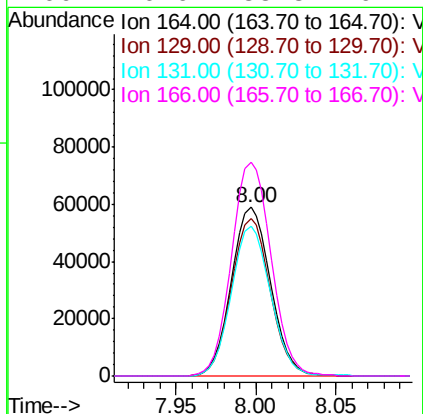
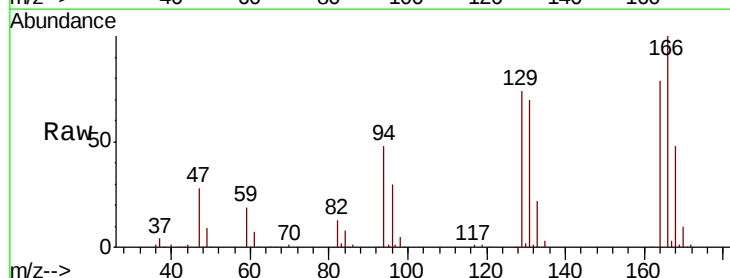
Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

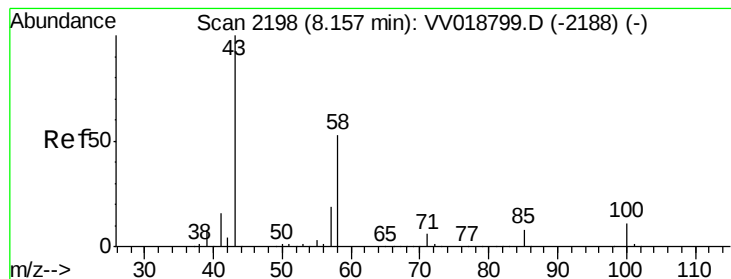
Tot Ion:	97	Resp:	125756
Ion	Ratio	Lower	Upper
97	100		
99	60.9	43.4	80.6
83	85.2	58.7	108.9
85	54.5	39.4	73.2



#46
Tetrachloroethene
Concen: 43.941 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV018823.D
Acq: 09 Oct 2020 16:46

Tgt Ion:	164	Resp:	98560
Ion	Ratio	Lower	Upper
164	100		
129	93.1	64.6	120.0
131	88.5	63.6	118.0
166	126.6	88.3	164.1





#48

2-Hexanone

Concen: 96.828 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

Tot Ion: 43 Resp: 290161

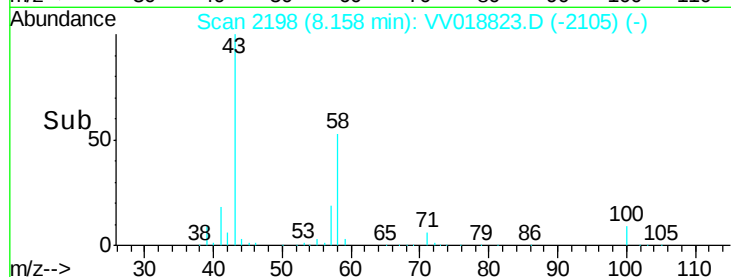
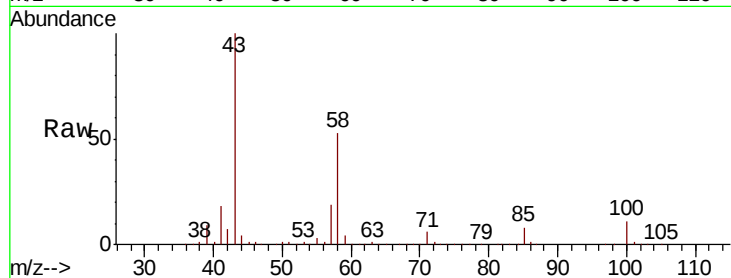
Ion Ratio Lower Upper

43 100

58 52.8 41.8 62.8

57 18.5 14.9 22.3

100 11.0 9.2 13.8

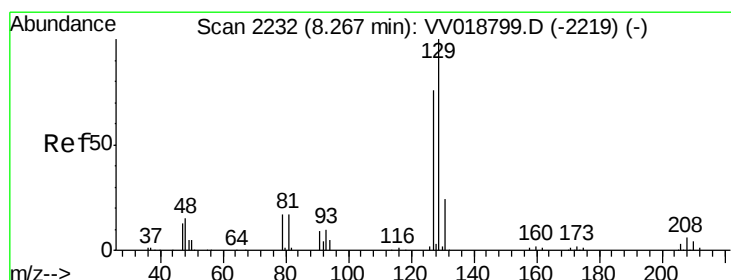
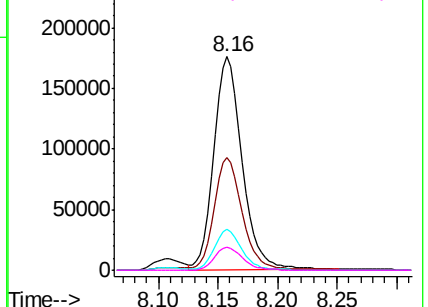


Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 46.285 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV018823.D

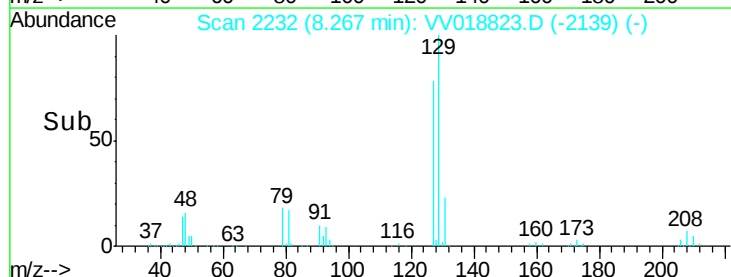
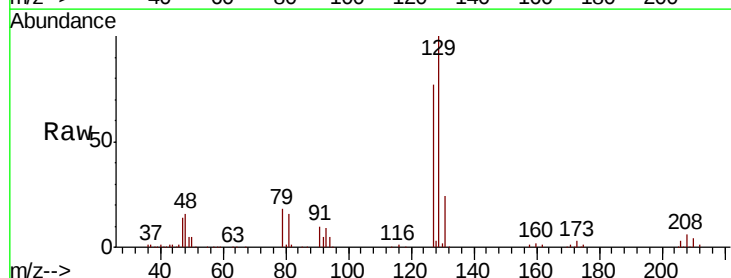
Acq: 09 Oct 2020 16:46

Tgt Ion: 129 Resp: 132724

Ion Ratio Lower Upper

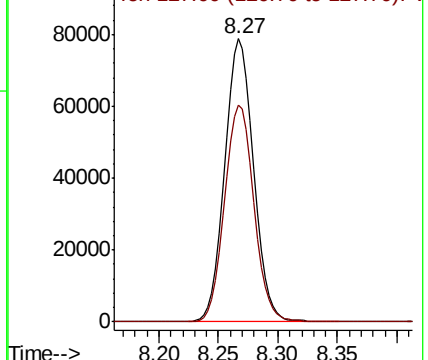
129 100

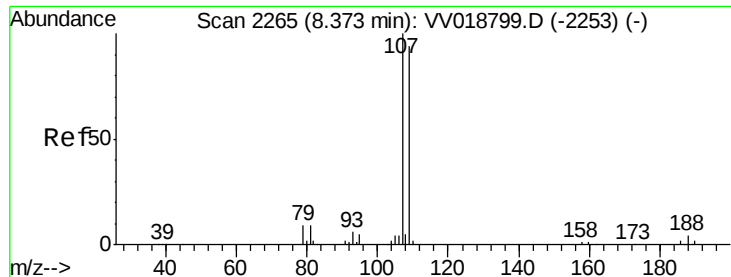
127 76.8 55.3 102.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

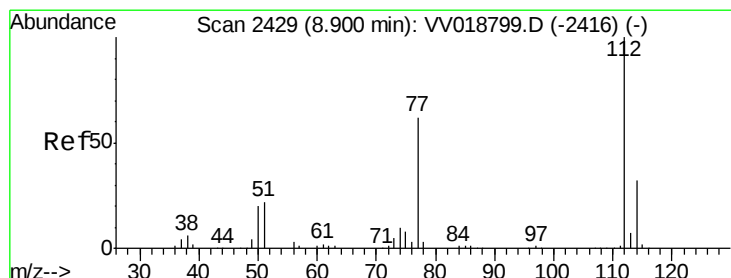
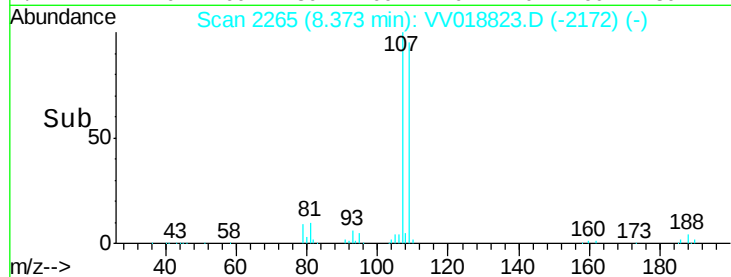
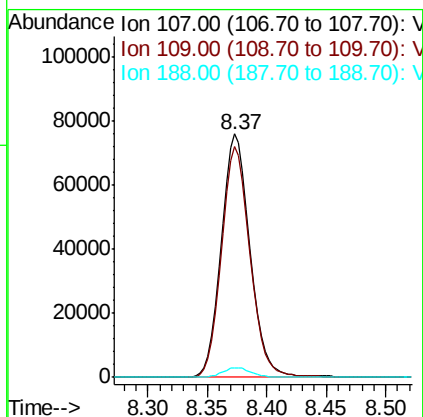
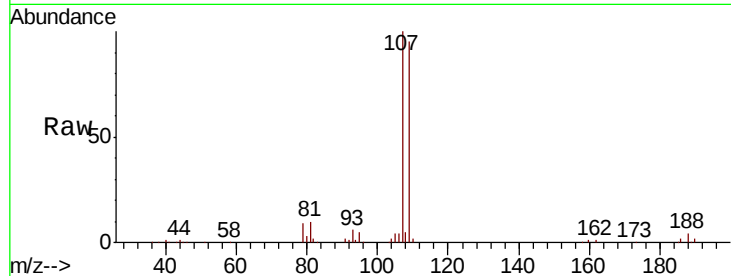




#50
 1,2-Dibromoethane
 Concen: 47.439 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018823.D
 Acq: 09 Oct 2020 16:46

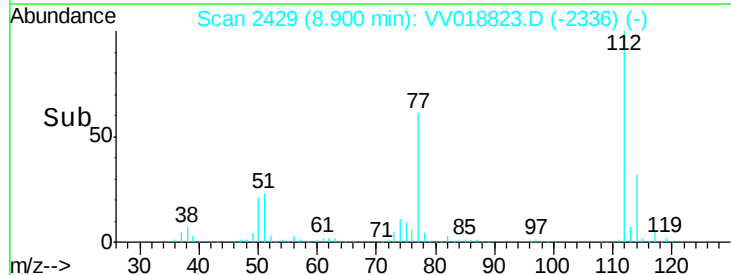
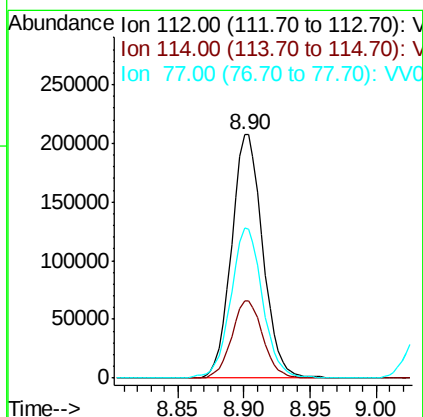
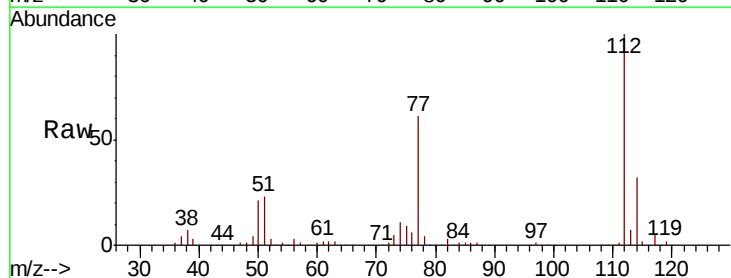
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

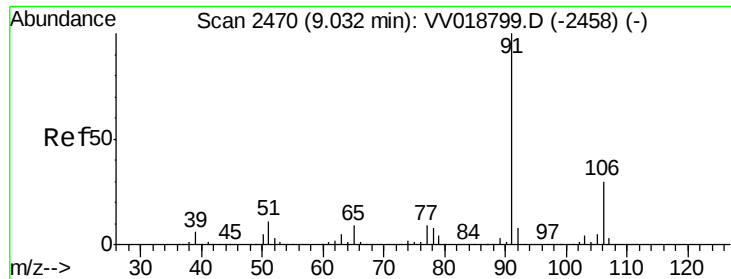
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	66.4	123.2
188	4.1	3.1	4.7



#51
 Chlorobenzene
 Concen: 46.895 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV018823.D
 Acq: 09 Oct 2020 16:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.0	41.0
77	61.5	49.8	74.6

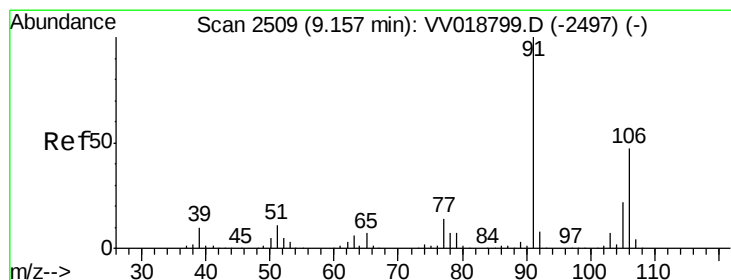
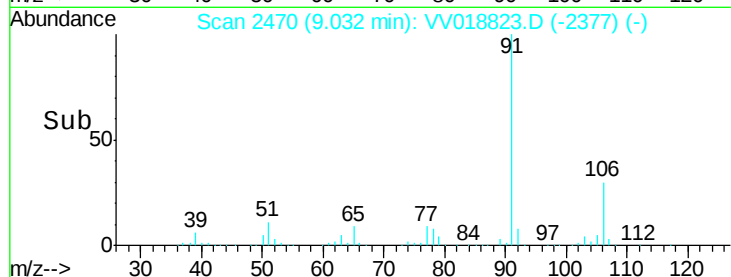
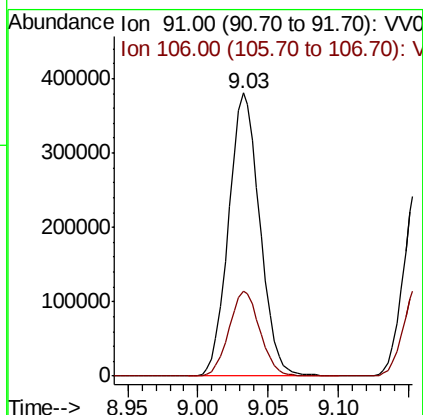
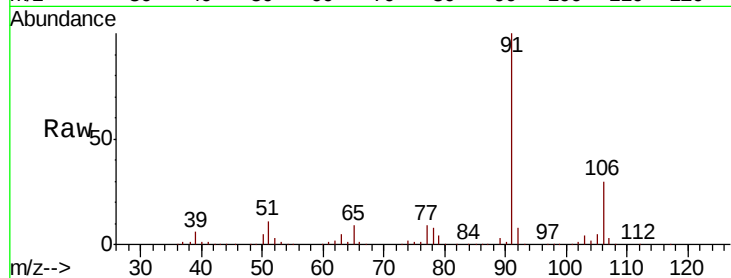




#52
Ethylbenzene
Concen: 47.574 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV018823.D
Acq: 09 Oct 2020 16:46

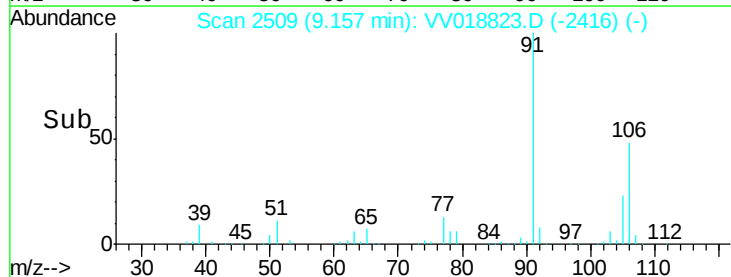
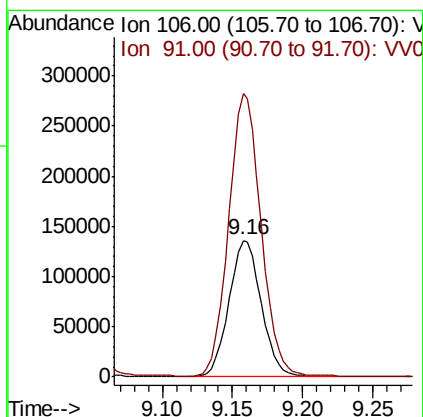
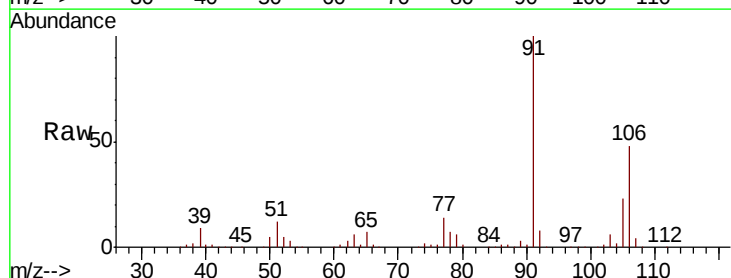
Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

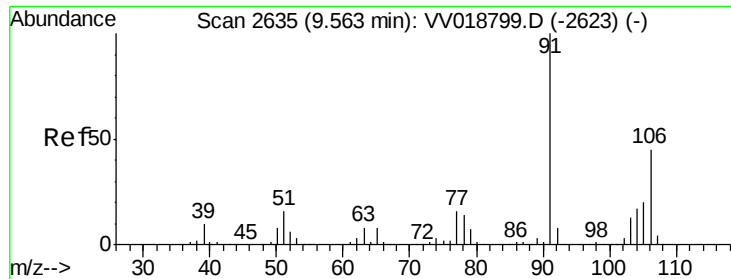
Tot Ion: 91 Resp: 590095
Ion Ratio Lower Upper
91 100
106 30.1 20.9 38.9



#53
m,p-Xylene
Concen: 47.632 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV018823.D
Acq: 09 Oct 2020 16:46

Tgt Ion: 106 Resp: 216867
Ion Ratio Lower Upper
106 100
91 207.3 147.1 273.1





#54

o-xylene

Concen: 49.048 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

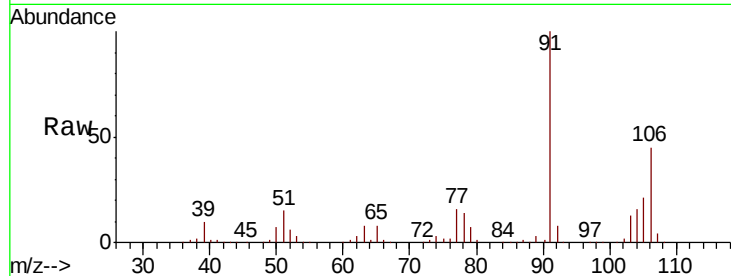
VSTD05082

Tot Ion:106 Resp: 212099

Ion Ratio Lower Upper

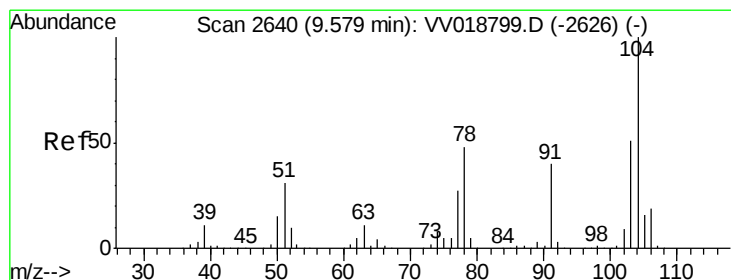
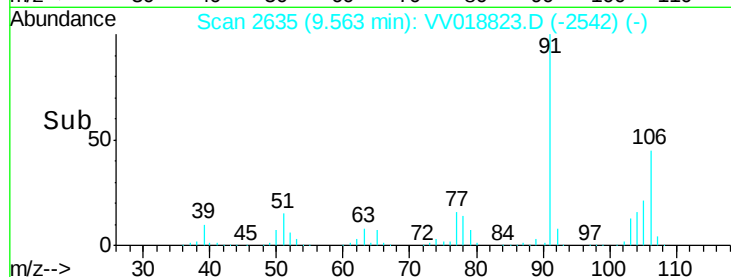
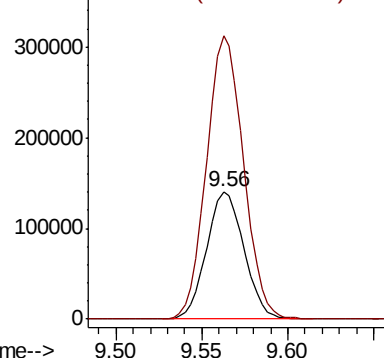
106 100

91 221.8 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 48.845 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV018823.D

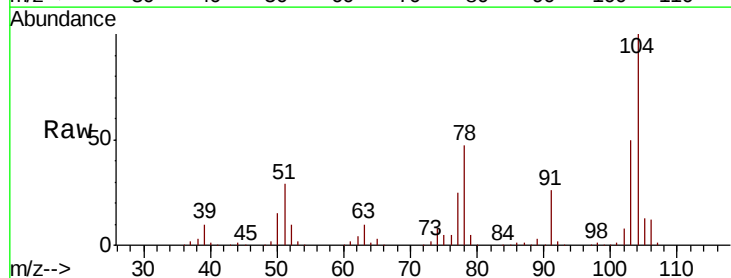
Acq: 09 Oct 2020 16:46

Tgt Ion:104 Resp: 373849

Ion Ratio Lower Upper

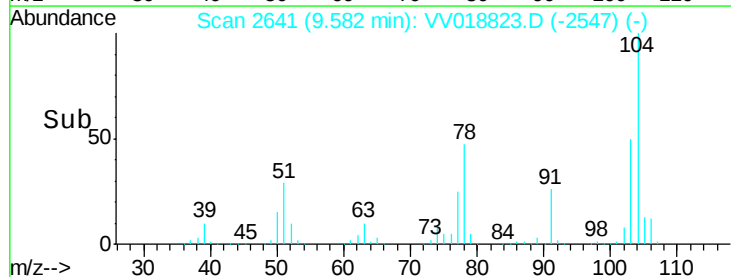
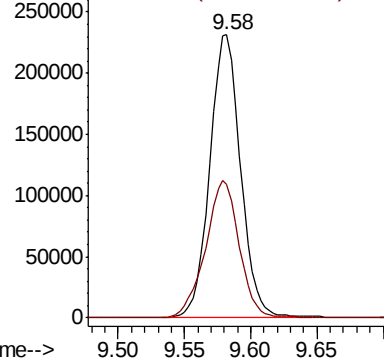
104 100

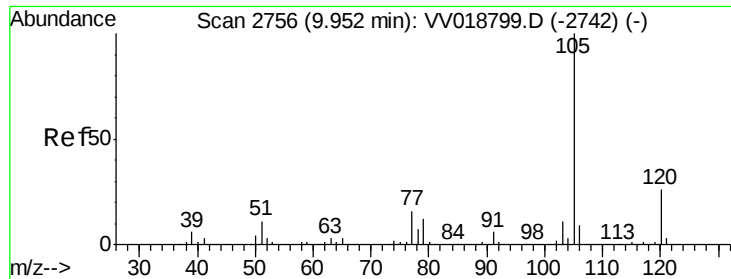
78 47.0 33.5 62.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 47.138 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

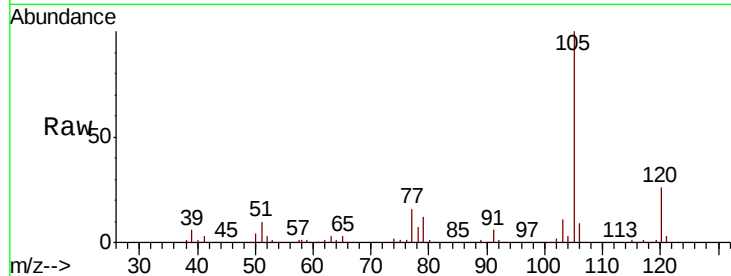
Tot Ion:105 Resp: 564008

Ion Ratio Lower Upper

105 100

120 25.7 20.4 30.6

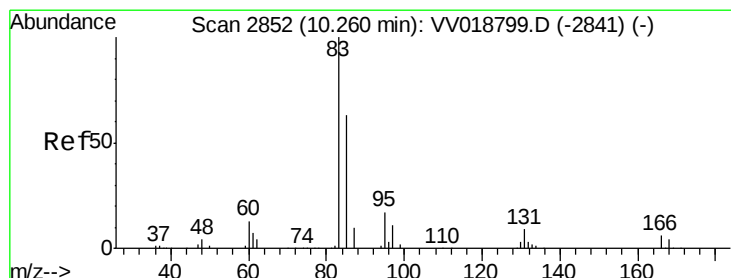
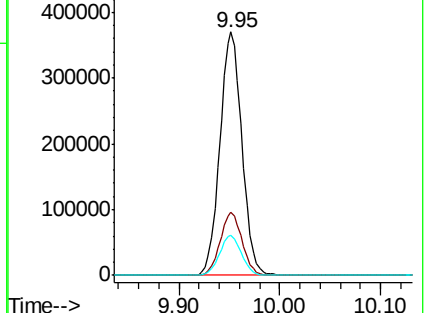
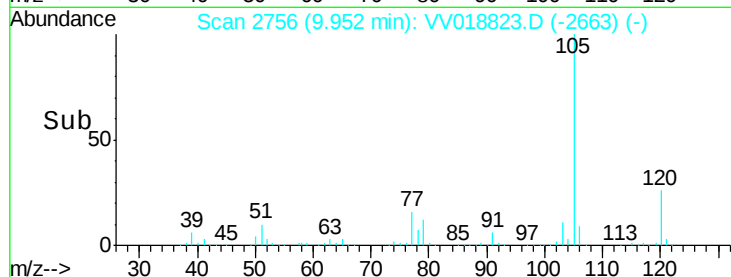
77 16.3 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 46.188 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

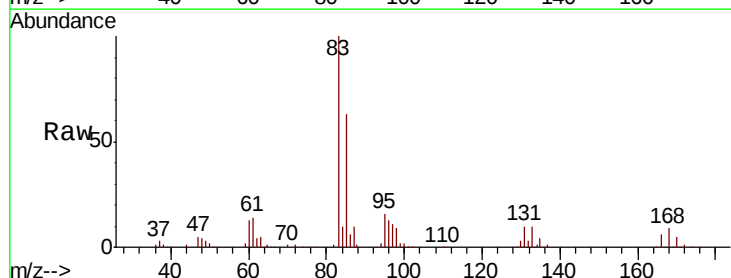
Tgt Ion: 83 Resp: 169031

Ion Ratio Lower Upper

83 100

85 62.8 44.5 82.7

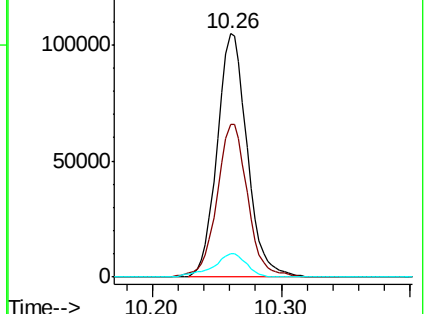
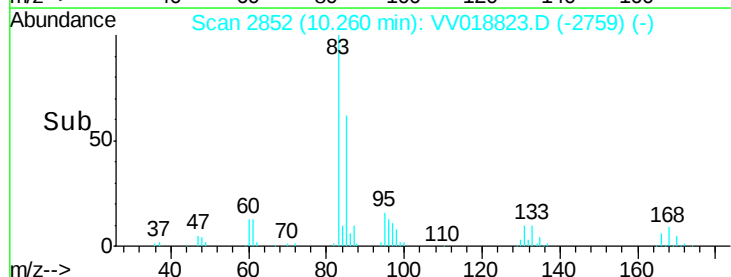
131 9.5 8.0 12.0

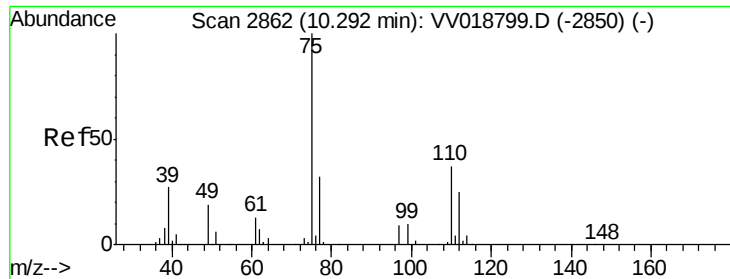


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

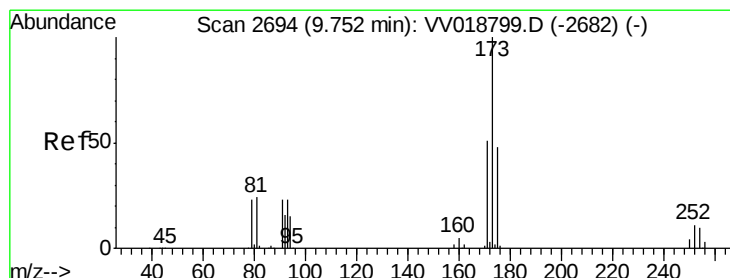
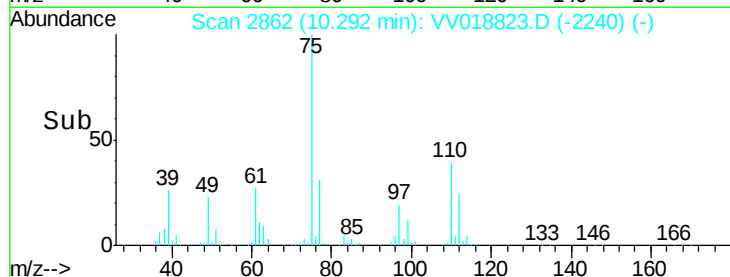
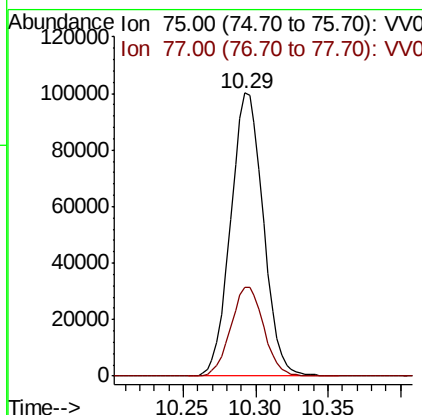
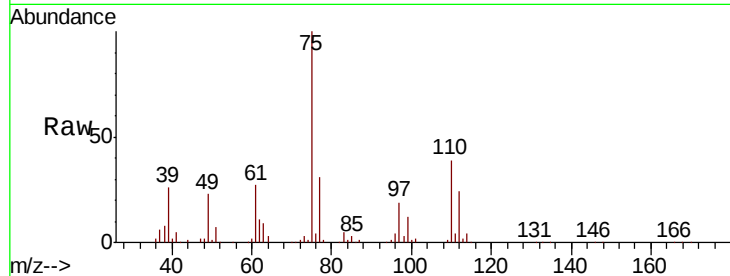




#59
 1,2,3-Trichloropropane
 Concen: 45.015 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VV018823.D
 Acq: 09 Oct 2020 16:46

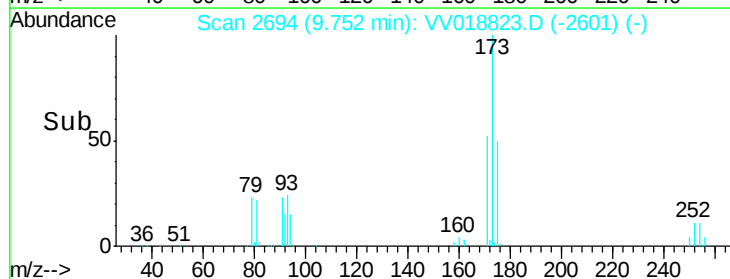
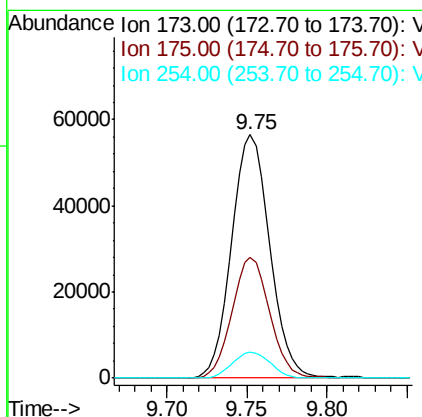
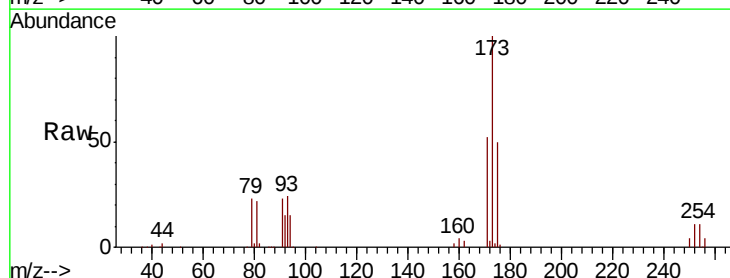
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

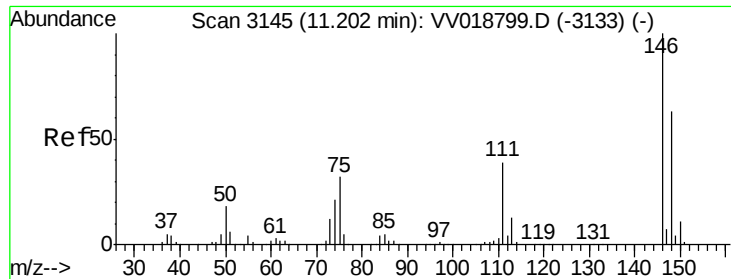
Tot Ion: 75 Resp: 156460
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.9 38.9



#61
 Bromoform
 Concen: 50.206 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV018823.D
 Acq: 09 Oct 2020 16:46

Tgt Ion: 173 Resp: 91716
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.7 58.1
 254 10.7 8.2 12.4

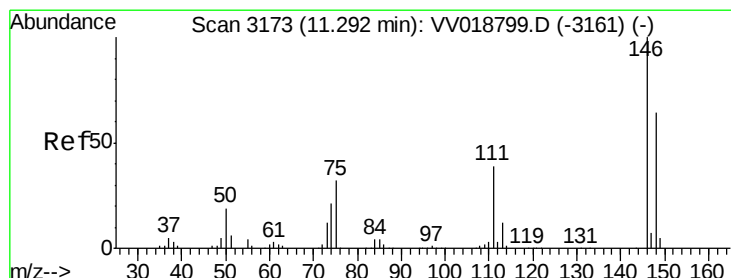
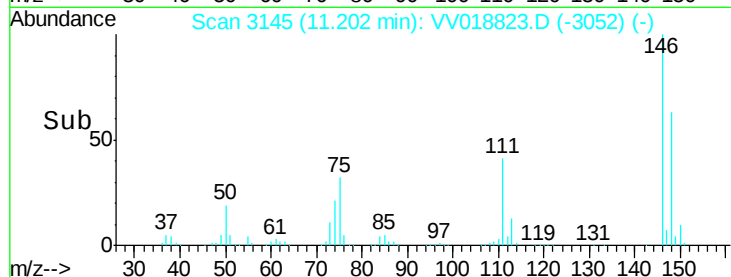
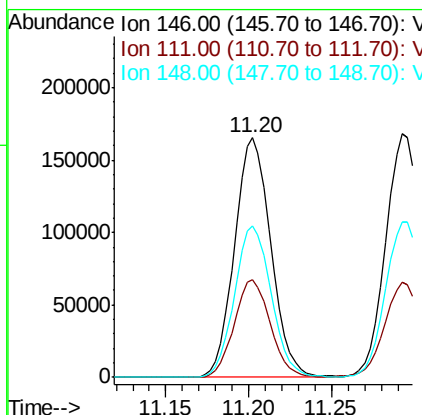
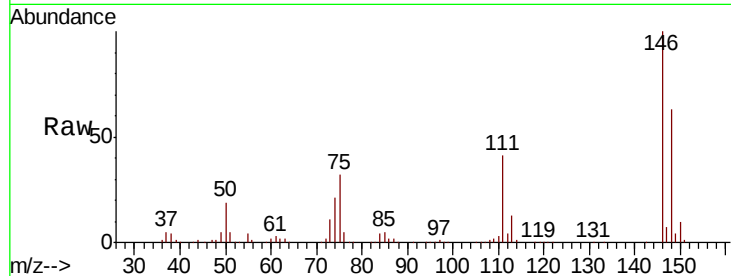




#62
 1,3-Dichlorobenzene
 Concen: 47.036 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV018823.D
 Acq: 09 Oct 2020 16:46

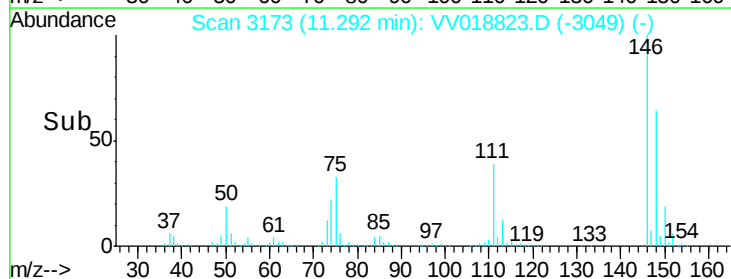
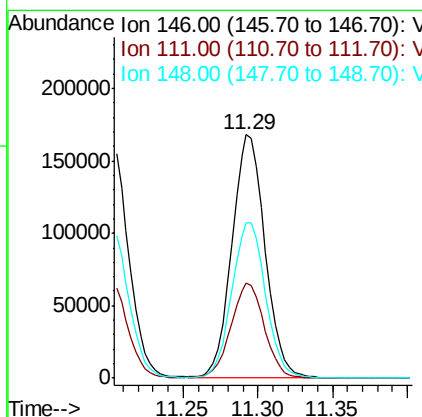
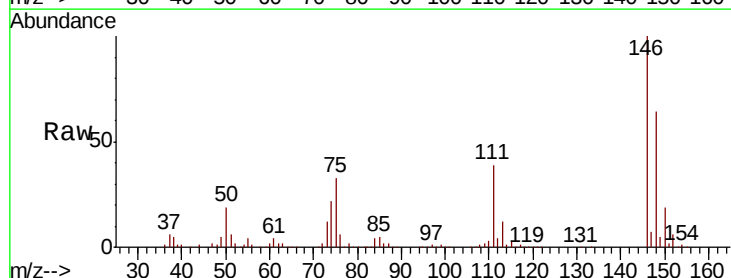
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

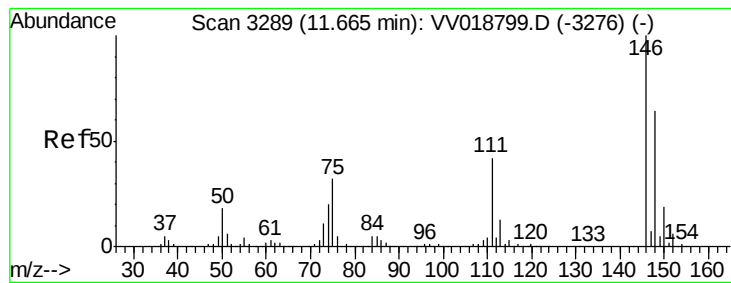
Tot Ion:146 Resp: 252483
 Ion Ratio Lower Upper
 146 100
 111 40.6 27.8 51.6
 148 63.0 45.4 84.4



#63
 1,4-Dichlorobenzene
 Concen: 46.130 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV018823.D
 Acq: 09 Oct 2020 16:46

Tgt Ion:146 Resp: 257578
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.1 50.3
 148 64.0 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 47.239 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

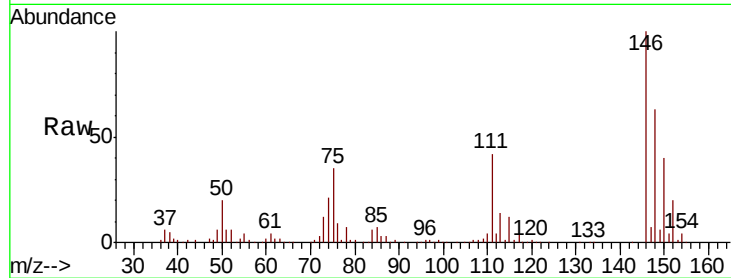
Tot Ion:146 Resp: 254571

Ion Ratio Lower Upper

146 100

111 41.6 33.8 50.6

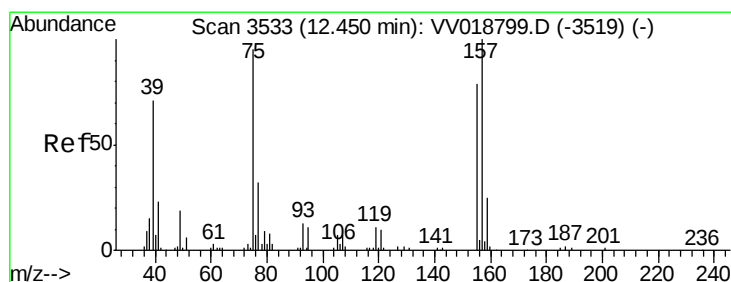
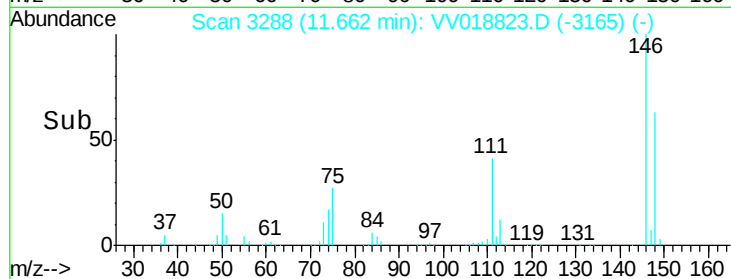
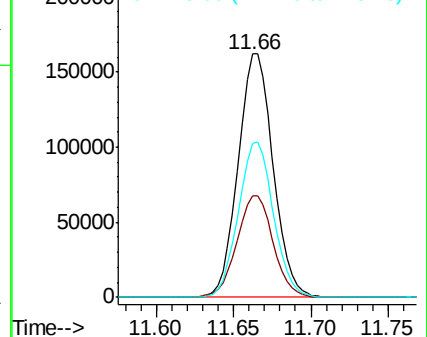
148 63.1 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 47.242 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

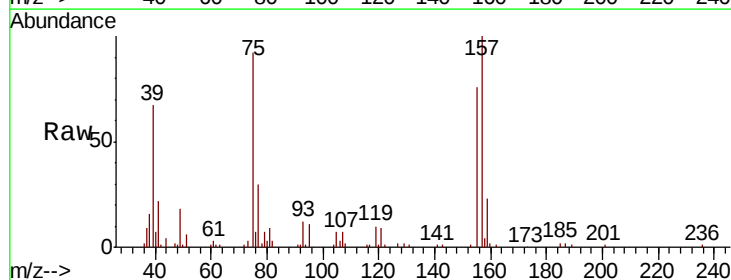
Tgt Ion: 75 Resp: 35118

Ion Ratio Lower Upper

75 100

155 82.7 65.8 98.8

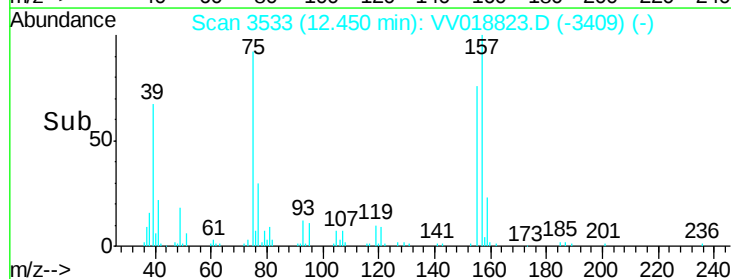
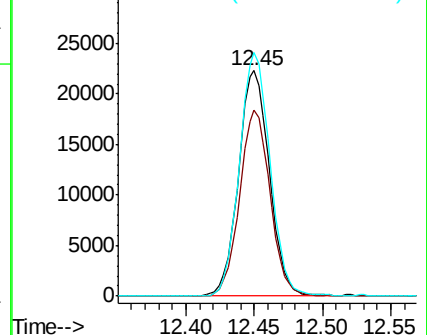
157 108.2 83.0 124.6

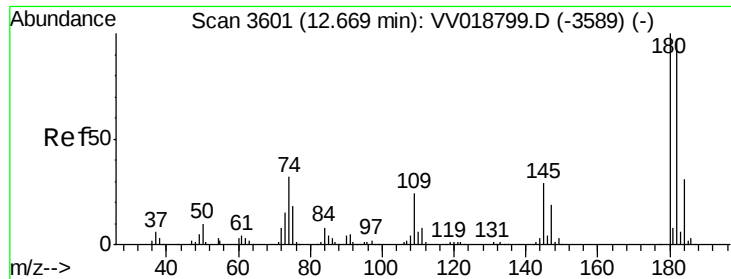


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

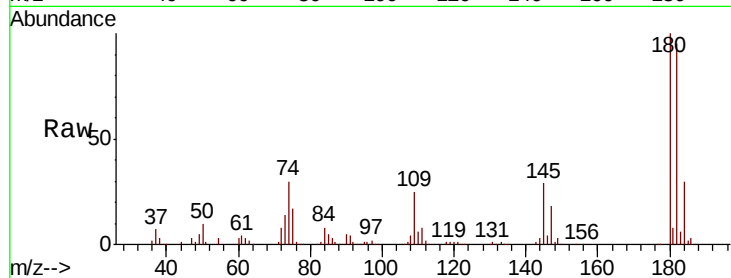




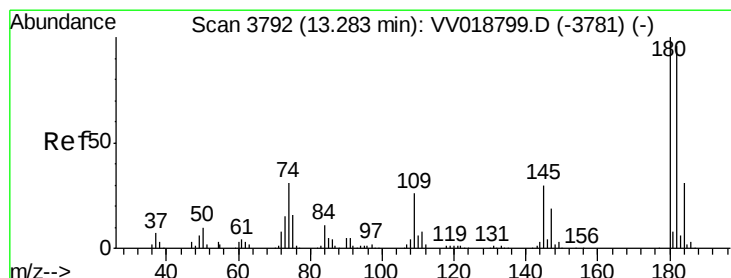
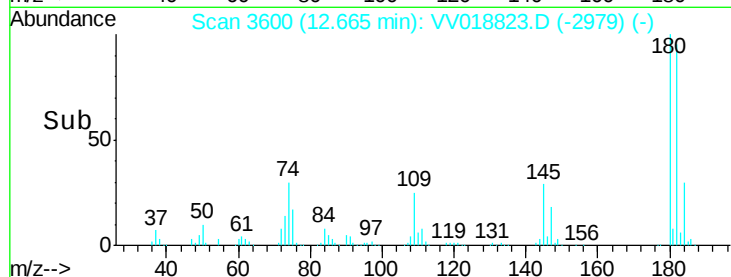
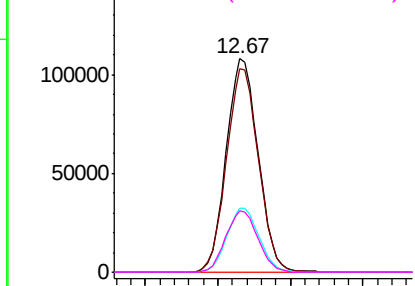
#67
 1,3,5-Trichlorobenzene
 Concen: 47.424 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018823.D
 Acq: 09 Oct 2020 16:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

Tot Ion:180 Resp: 164884
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.0 115.6
 184 30.0 24.6 37.0
 145 28.8 23.4 35.0

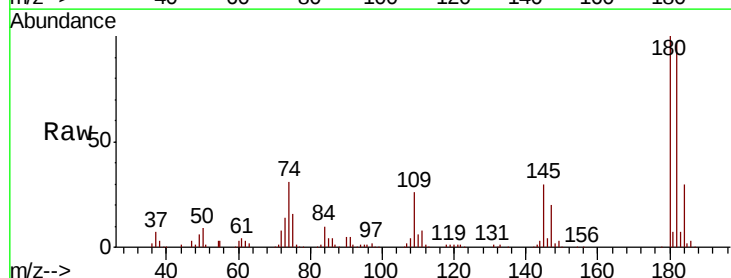


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

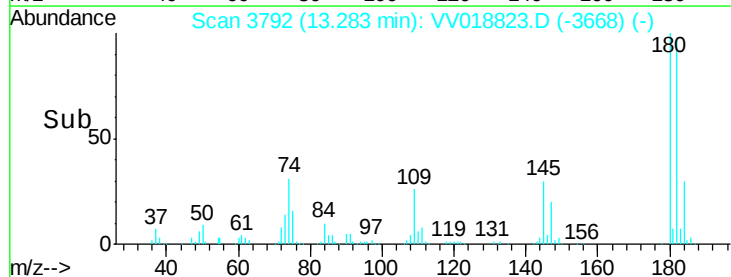
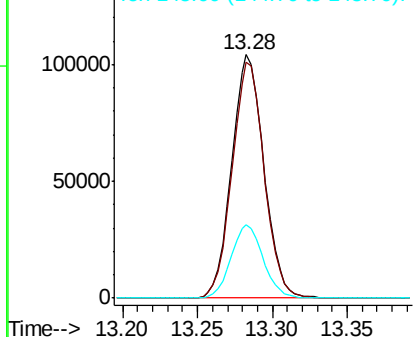


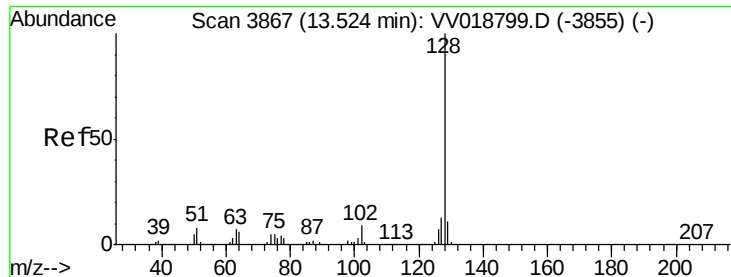
#68
 1,2,4-trichlorobenzene
 Concen: 47.769 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018823.D
 Acq: 09 Oct 2020 16:46

Tgt Ion:180 Resp: 156174
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.7 115.1
 145 30.0 24.0 36.0



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





#69

Naphthalene

Concen: 51.715 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

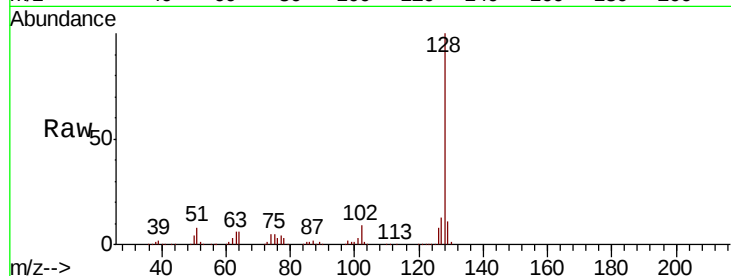
Tot Ion:128 Resp: 476384

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

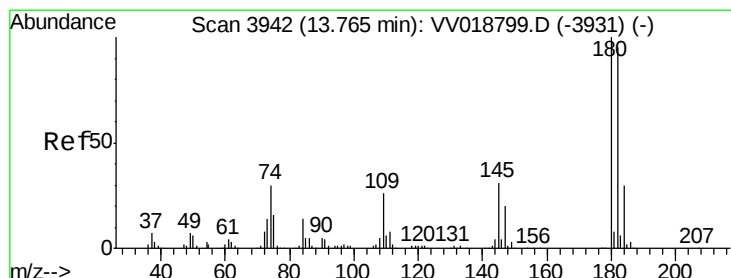
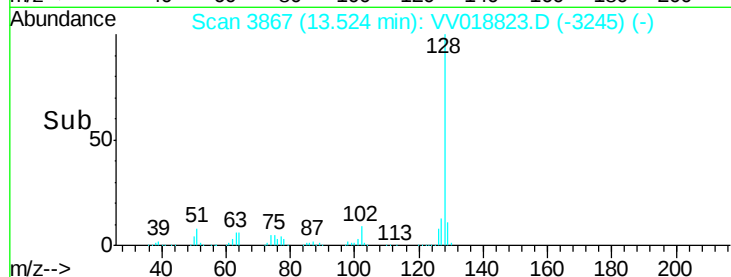
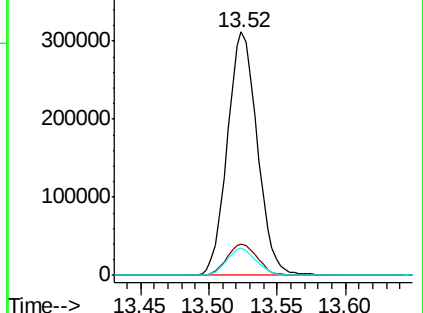
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.809 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018823.D

Acq: 09 Oct 2020 16:46

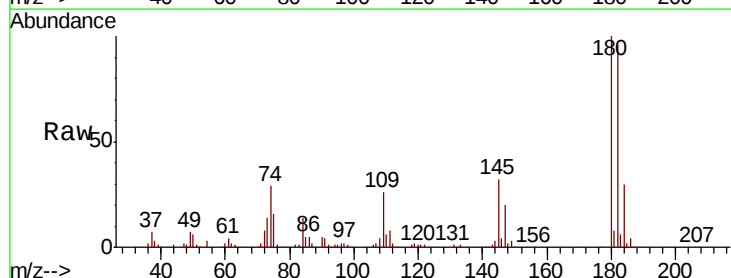
Tgt Ion:180 Resp: 158407

Ion Ratio Lower Upper

180 100

182 95.3 75.9 113.9

145 32.4 25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

