

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050120\
 Data File : VV015851.D
 Acq On : 01 May 2020 11:17
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 02 00:01:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 01 13:06:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	124764	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	121003	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	59713	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	34480	5.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.80%
7) Chloroethane-d5	1.58	69	31666	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.12	63	73180	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.60%
20) 2-Butanone-d5	3.96	46	96789	46.23	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.46%
24) Chloroform-d	4.37	84	72351	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.06	65	39996	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.07	84	138127	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.09	67	41601	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.33	98	127712	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.64	79	15183	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.12	63	69785	40.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.20%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	30540	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	44270	4.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	53212	4.979	ug/L 99
3) Chloromethane	1.24	50	50230	5.433	ug/L 99
5) Vinyl chloride	1.32	62	52201	5.287	ug/L 99
6) Bromomethane	1.53	94	25690	6.060	ug/L 100
8) Chloroethane	1.59	64	31844	4.910	ug/L 99
9) Trichlorofluoromethane	1.76	101	74760	5.395	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	40539	5.171	ug/L 97
12) 1,1-Dichloroethene	2.13	96	38032	5.238	ug/L 93
13) Acetone	2.25	43	33346	22.938	ug/L 96
14) Carbon disulfide	2.30	76	108452	5.283	ug/L 99
15) Methyl Acetate	2.47	43	19582	5.664	ug/L 98
16) Methylene chloride	2.52	84	46893	5.231	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	108064	5.301	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	43194	5.313	ug/L 97
19) 1,1-Dichloroethane	3.21	63	89783	5.624	ug/L 99
21) 2-Butanone	4.04	43	118682	52.928	ug/L 97
22) cis-1,2-Dichloroethene	3.94	96	46798	5.206	ug/L 98

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 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 02 00:01:49 2020
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 QLast Update : Fri May 01 13:06:25 2020
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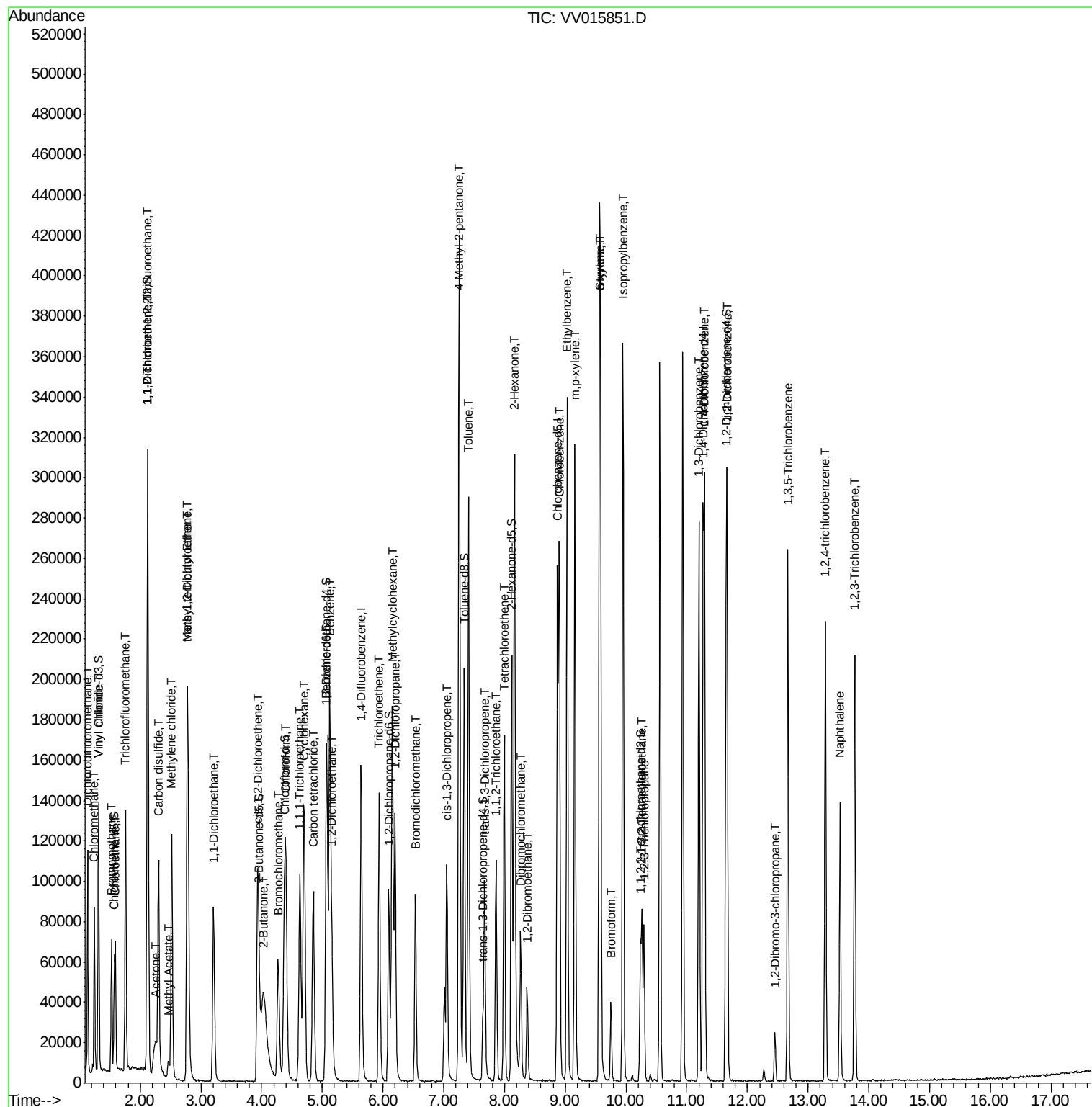
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	19959	5.436	ug/L	97
25) Chloroform	4.40	83	92432	5.454	ug/L	99
27) 1,2-Dichloroethane	5.16	62	58658	5.268	ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	79897	5.207	ug/L	99
30) Cyclohexane	4.70	56	73563	5.018	ug/L	99
31) Carbon tetrachloride	4.85	117	68456	5.387	ug/L	100
33) Benzene	5.12	78	184242	5.329	ug/L	100
34) Trichloroethene	5.94	95	49519	5.187	ug/L	98
35) Methylcyclohexane	6.15	83	70236	4.793	ug/L	99
37) 1,2-Dichloropropane	6.20	63	47020	5.351	ug/L	99
38) Bromodichloromethane	6.53	83	59668	5.347	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	60267	4.920	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	303383	53.196	ug/L	99
42) Toluene	7.41	91	194977	5.278	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	50958	4.951	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	31897	5.326	ug/L	98
47) Tetrachloroethene	8.00	164	34222	4.978	ug/L	97
48) 2-Hexanone	8.16	43	218698	53.774	ug/L	99
49) Dibromochloromethane	8.27	129	35079	5.659	ug/L	98
50) 1,2-Dibromoethane	8.38	107	29717	5.365	ug/L #	95
51) Chlorobenzene	8.90	112	125963	5.205	ug/L	99
52) Ethylbenzene	9.03	91	221134	5.173	ug/L	99
53) m,p-xylene	9.16	106	82494	5.268	ug/L	98
54) o-xylene	9.56	106	79708	5.261	ug/L	98
55) Styrene	9.58	104	137826	5.361	ug/L	99
56) Isopropylbenzene	9.95	105	216955	5.104	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	37109	5.306	ug/L	95
59) 1,2,3-Trichloropropane	10.30	75	28981	5.166	ug/L	99
61) Bromoform	9.75	173	15970	6.479	ug/L #	99
62) 1,3-Dichlorobenzene	11.20	146	101041	5.346	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	99771	5.235	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	91321	5.343	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	6235	5.599	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	70692	5.062	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	60311	4.692	ug/L	98
69) Naphthalene	13.53	128	100895	4.386	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	55673	4.908	ug/L	100

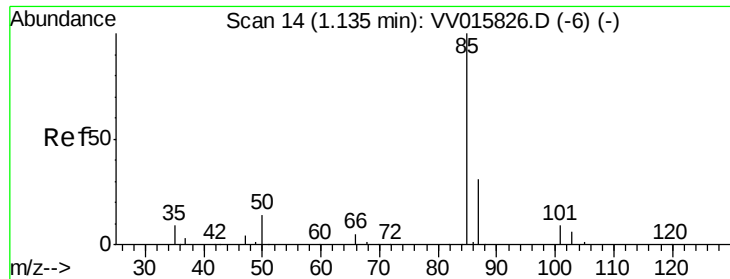
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_V
ClientSampled :

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#2

Dichlorodifluoromethane

Concen: 4.979 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

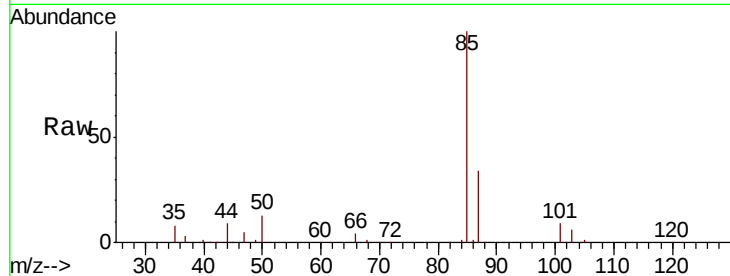
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 53212

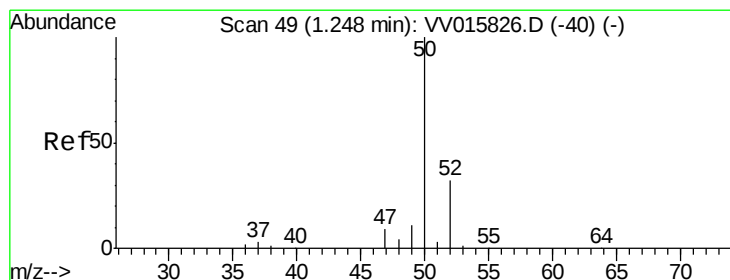
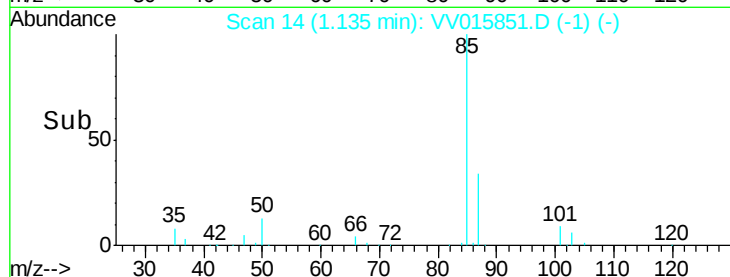
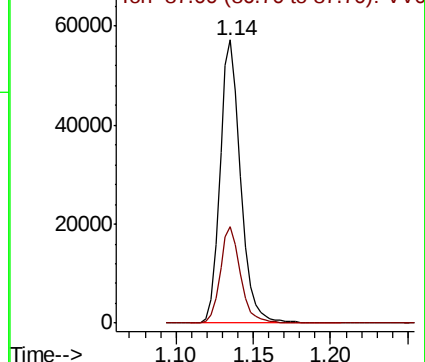
Ion Ratio Lower Upper

85 100

87 33.2 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.433 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015851.D

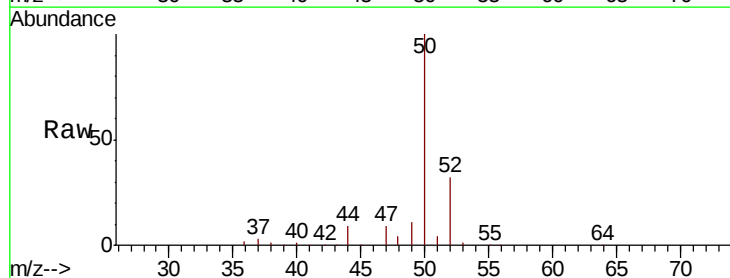
Acq: 01 May 2020 11:17

Tgt Ion: 50 Resp: 50230

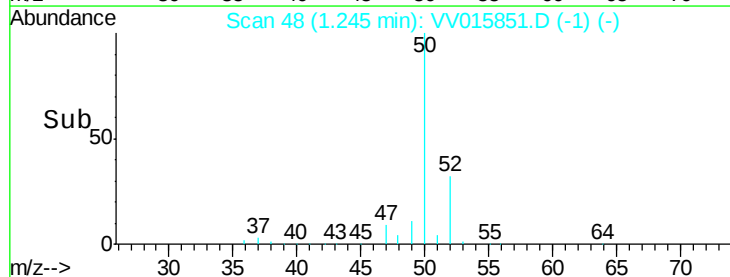
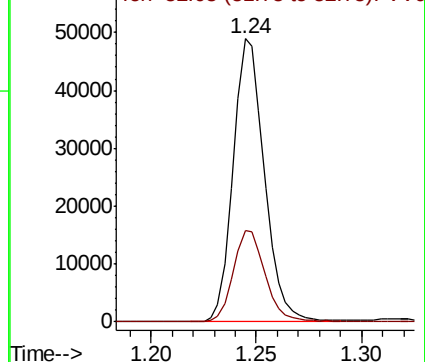
Ion Ratio Lower Upper

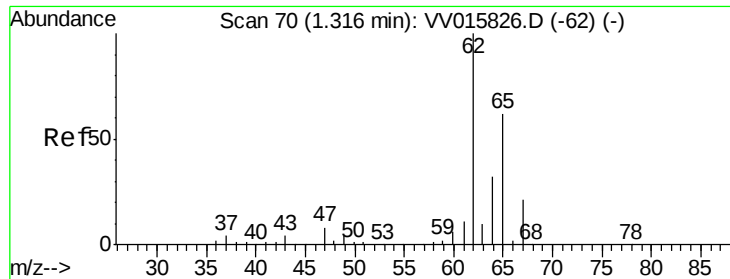
50 100

52 32.1 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.287 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

Instrument :

MSVOA_V

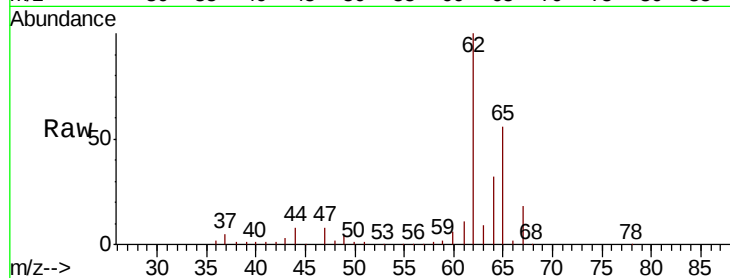
ClientSampleId :

Tot Ion: 62 Resp: 52201

Ion Ratio Lower Upper

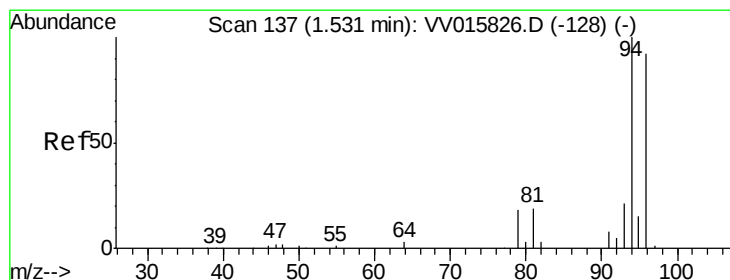
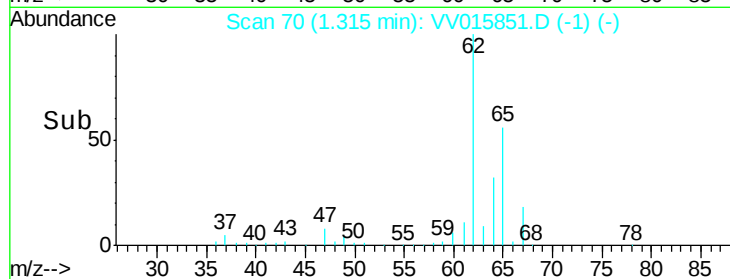
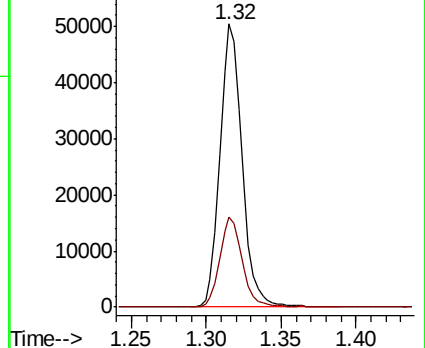
62 100

64 31.9 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 6.060 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015851.D

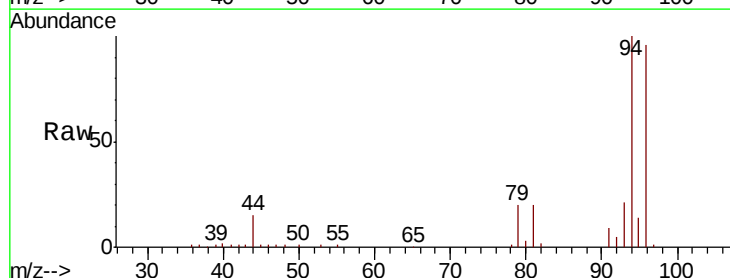
Acq: 01 May 2020 11:17

Tgt Ion: 94 Resp: 25690

Ion Ratio Lower Upper

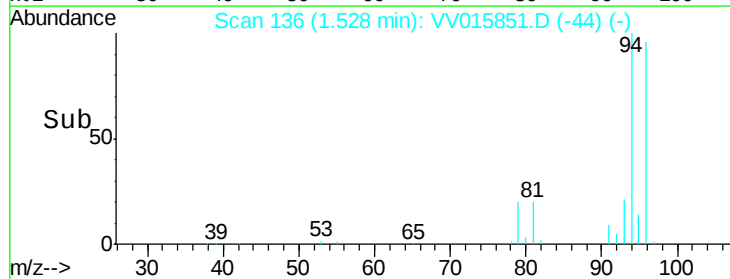
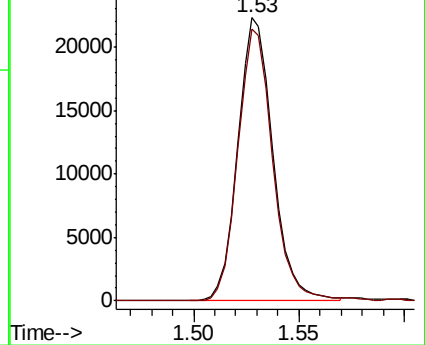
94 100

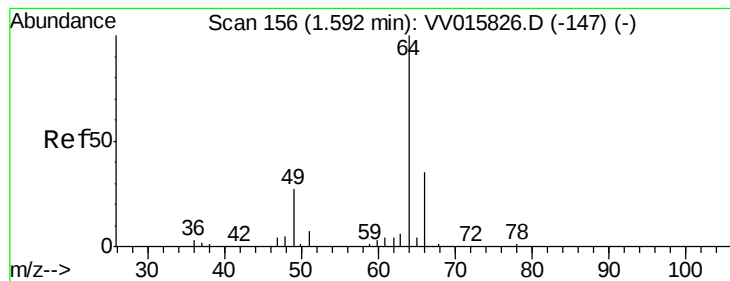
96 95.8 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.910 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

Instrument :

MSVOA_V

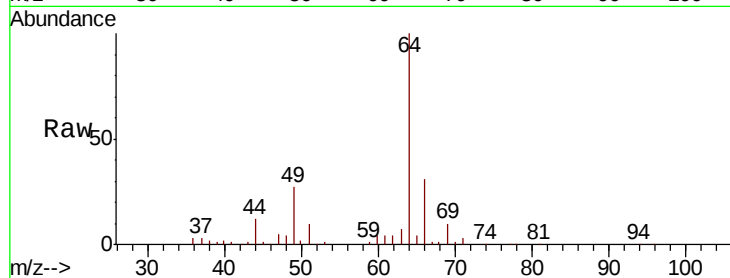
ClientSampleId :

Tot Ion: 64 Resp: 31844

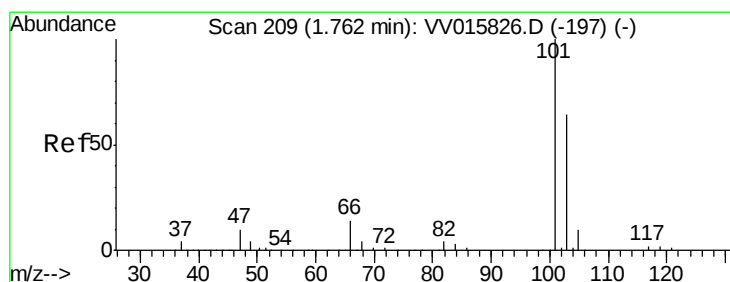
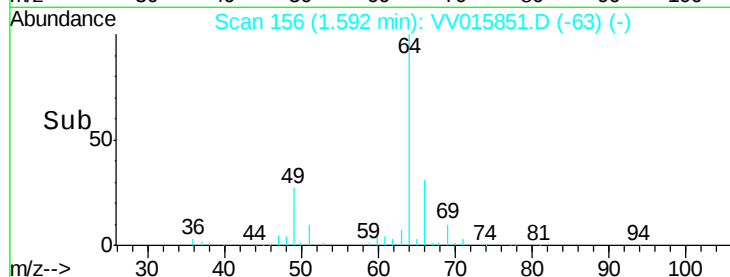
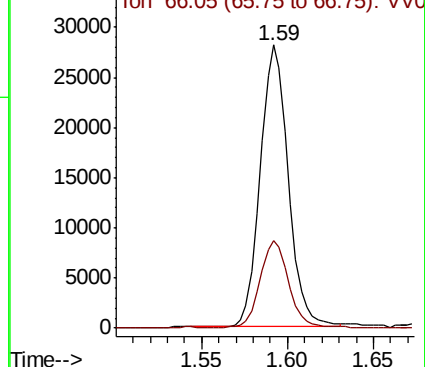
Ion Ratio Lower Upper

64 100

66 31.1 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015851.D (-63) (-)



#9

Trichlorofluoromethane

Concen: 5.395 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015851.D

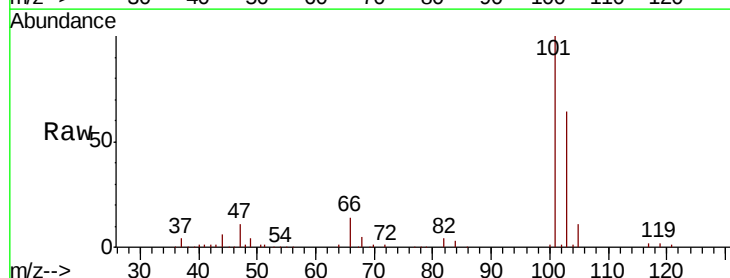
Acq: 01 May 2020 11:17

Tgt Ion: 101 Resp: 74760

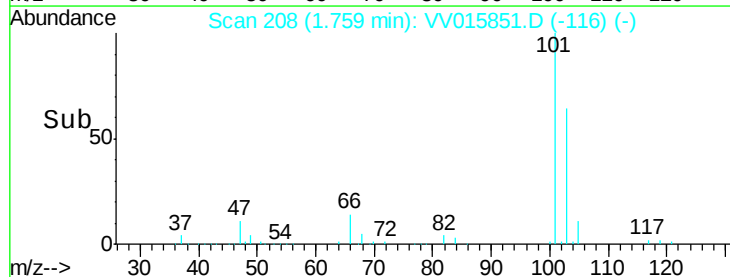
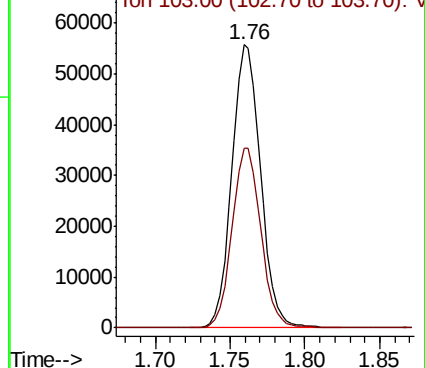
Ion Ratio Lower Upper

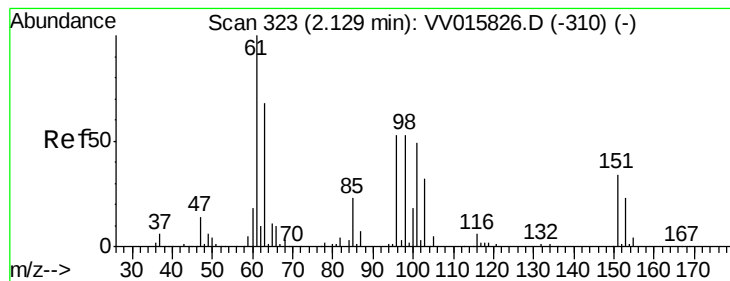
101 100

103 63.3 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015851.D (-116) (-)





#10

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

Concen: 5.171 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

Instrument :

MSVOA_V

ClientSampleId :

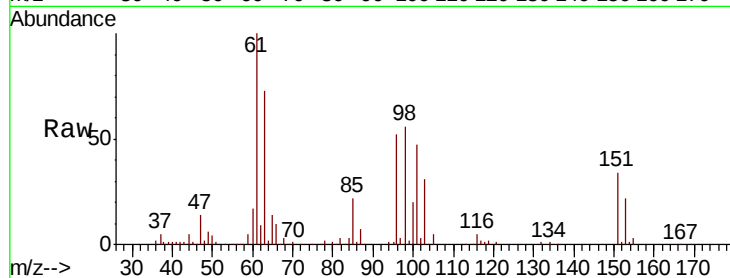
Tot Ion:101 Resp: 40539

Ion Ratio Lower Upper

101 100

85 46.6 36.1 54.1

151 72.2 55.2 82.8

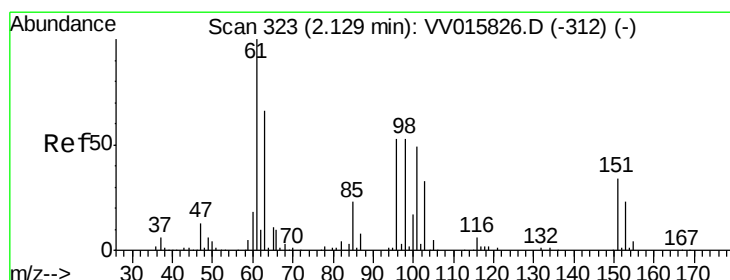
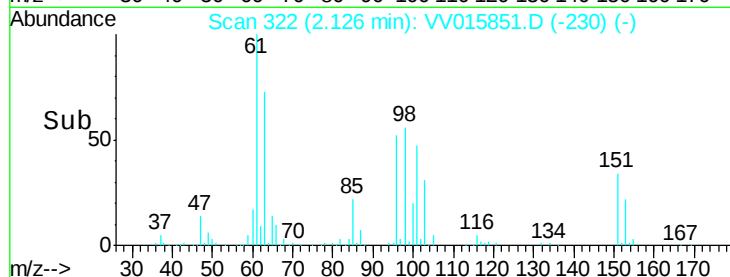
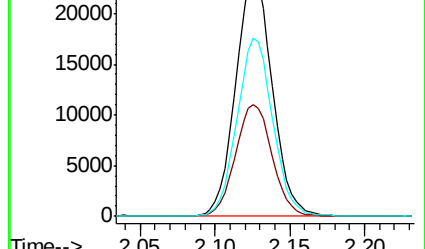


Abundance Ion 101.00 (100.70 to 101.70): VV015826.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV015826.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV015826.D (-310) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 5.238 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

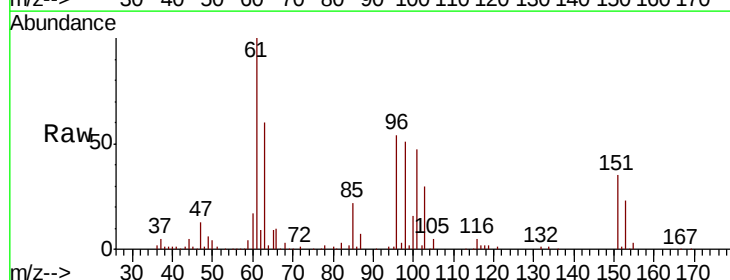
Tgt Ion: 96 Resp: 38032

Ion Ratio Lower Upper

96 100

61 186.8 130.1 241.7

63 113.0 91.4 169.8

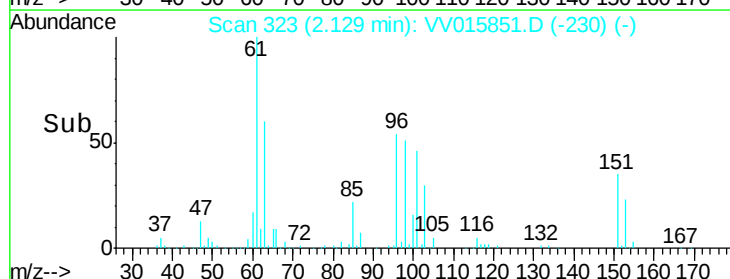
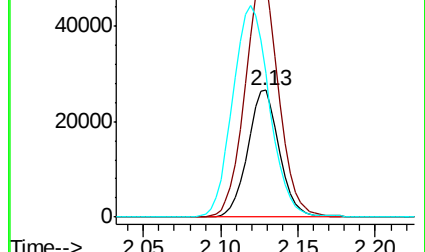


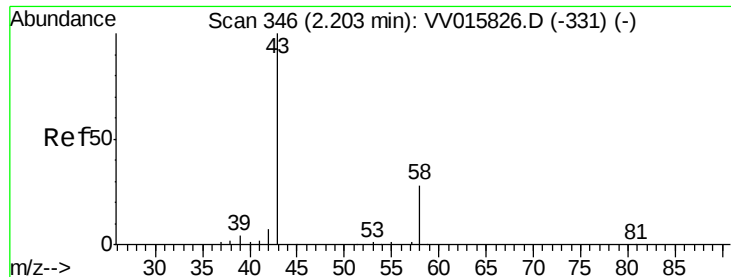
Abundance Ion 96.00 (95.70 to 96.70): VV015826.D (-312) (-)

Ion 61.05 (60.75 to 61.75): VV015826.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV015826.D (-312) (-)

Time-->





#13

Acetone

Concen: 22.938 ug/L

RT: 2.25 min Scan# 361

Delta R.T. 0.05 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

Instrument :

MSVOA_V

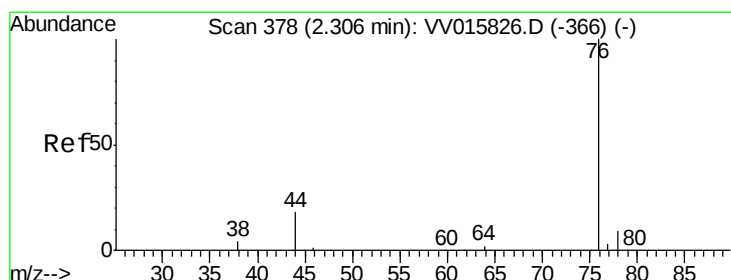
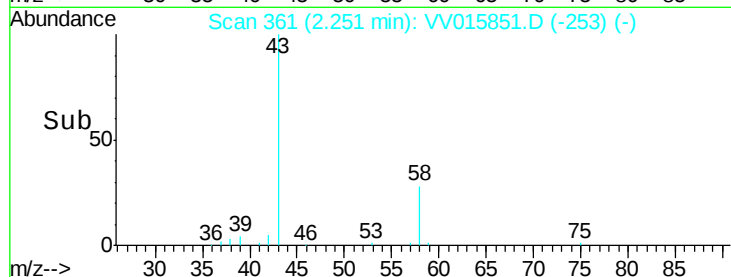
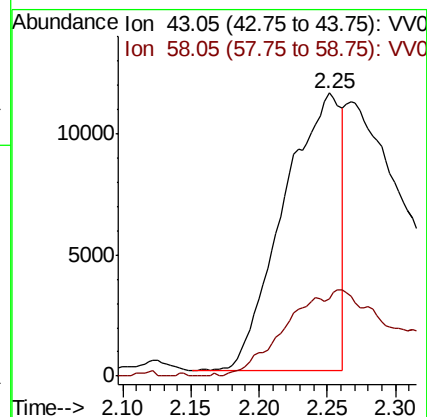
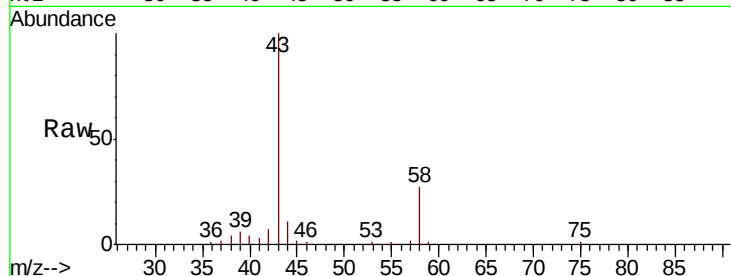
ClientSampled :

Tot Ion: 43 Resp: 33346

Ion Ratio Lower Upper

43 100

58 30.9 0.0 57.6



#14

Carbon disulfide

Concen: 5.283 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015851.D

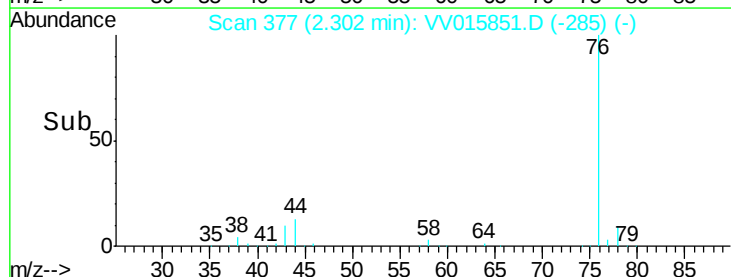
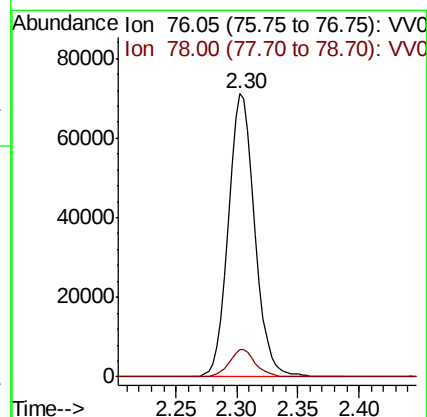
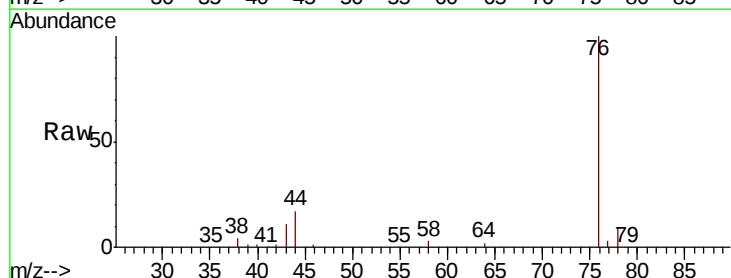
Acq: 01 May 2020 11:17

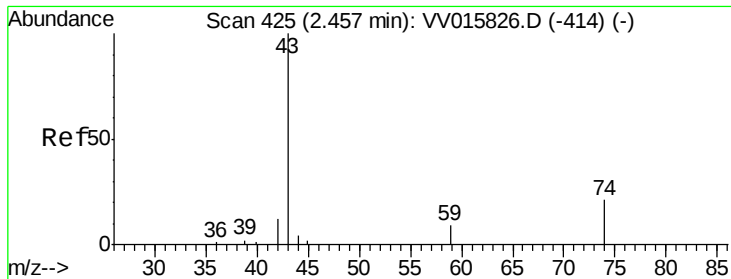
Tgt Ion: 76 Resp: 108452

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

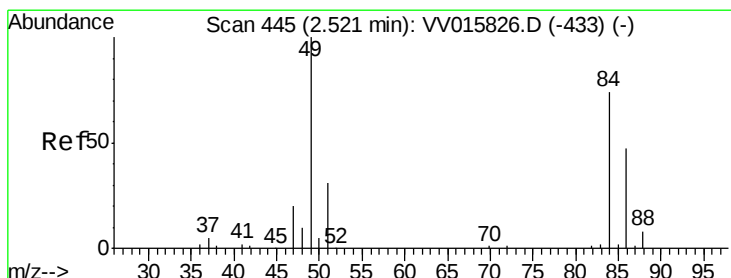
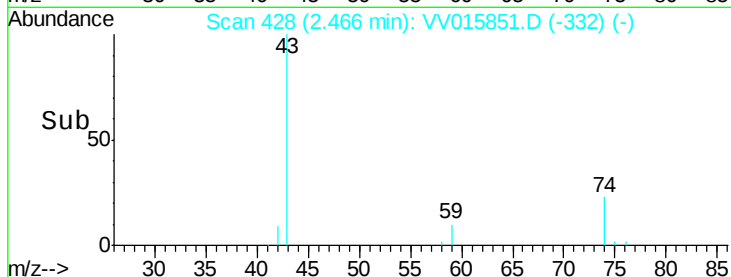
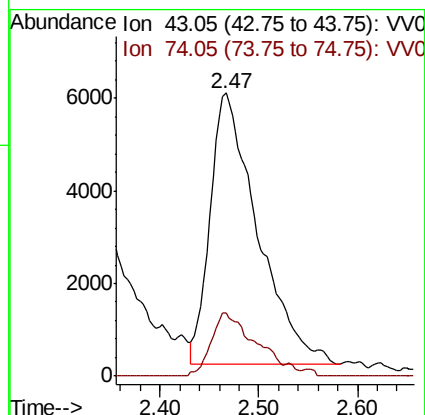
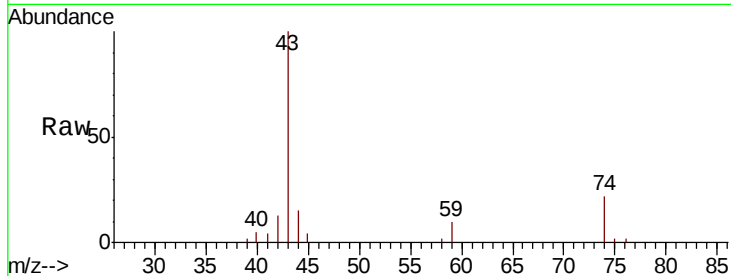




#15
Methvl Acetate
Concen: 5.664 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VV015851.D
Acq: 01 May 2020 11:17

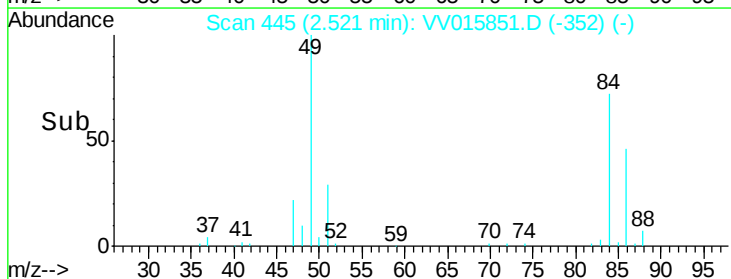
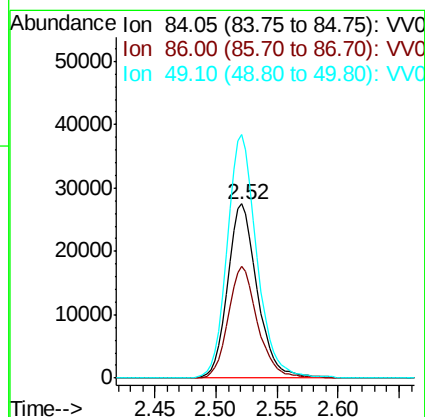
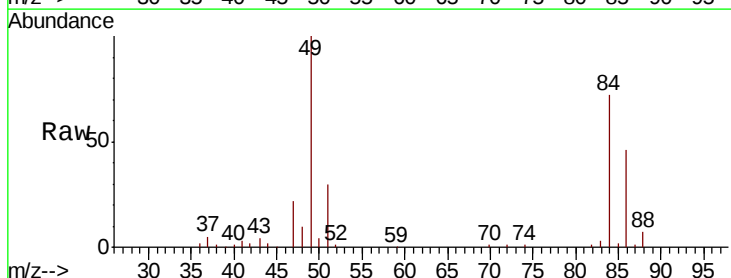
Instrument :
MSVOA_V
ClientSampleId :

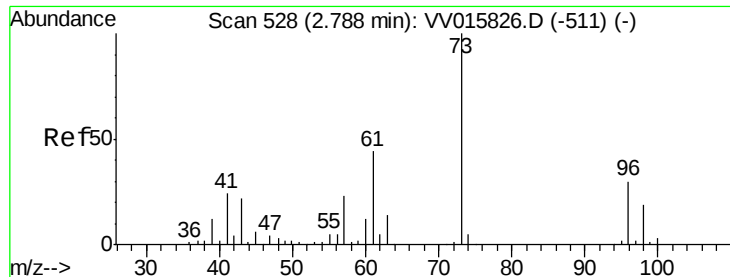
Tot Ion: 43 Resp: 19582
Ion Ratio Lower Upper
43 100
74 21.2 16.3 24.5



#16
Methylene chloride
Concen: 5.231 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV015851.D
Acq: 01 May 2020 11:17

Tgt Ion: 84 Resp: 46893
Ion Ratio Lower Upper
84 100
86 64.1 45.1 83.7
49 139.6 94.4 175.4

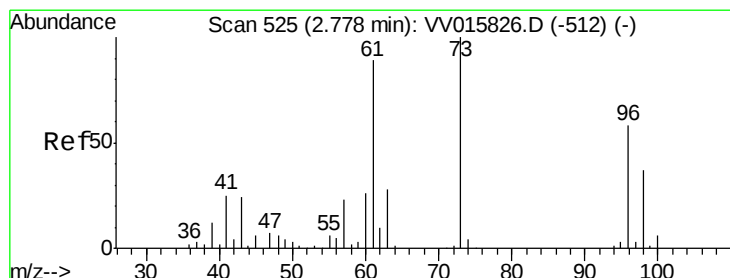
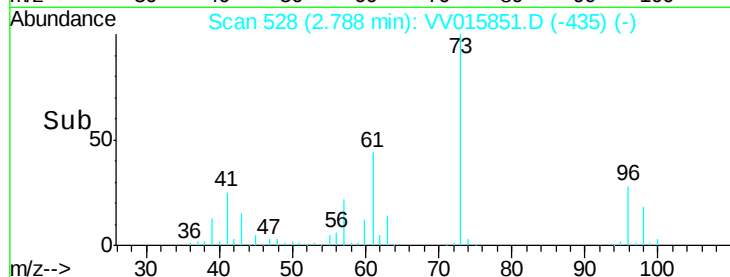
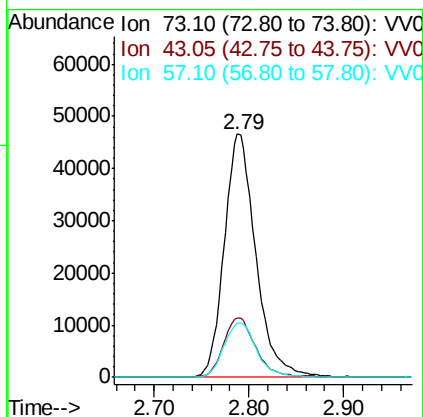
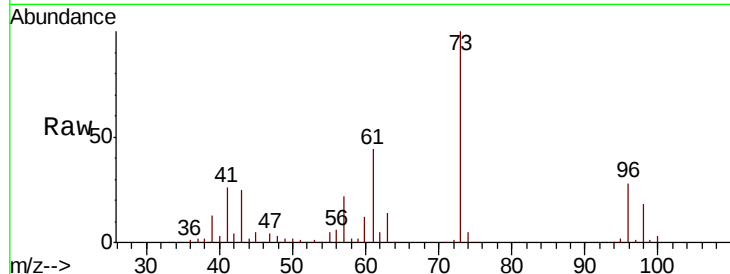




#17
Methvl tert-butvl Ether
Concen: 5.301 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV015851.D
Acq: 01 May 2020 11:17

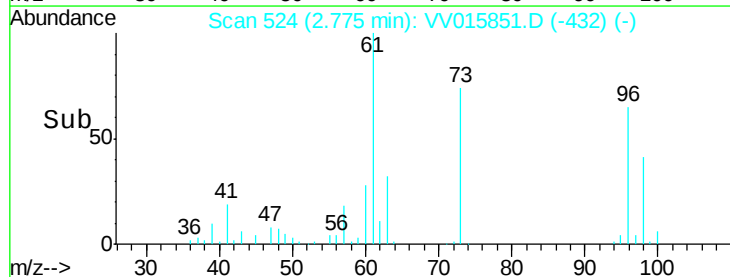
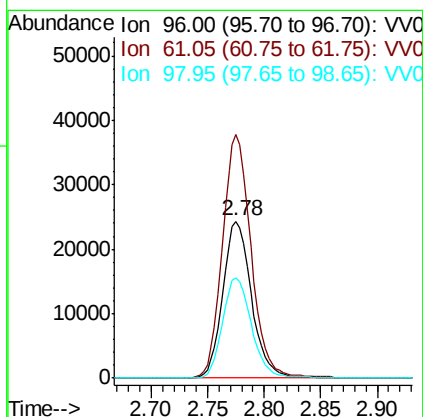
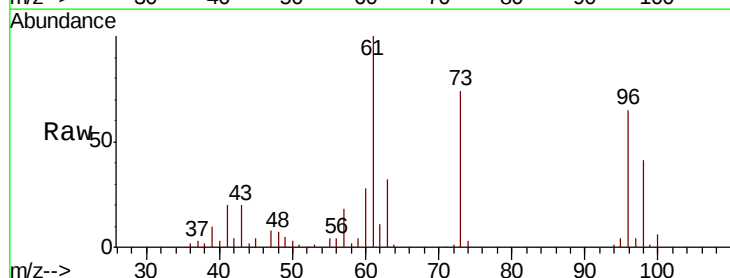
Instrument :
MSVOA_V
ClientSampleId :

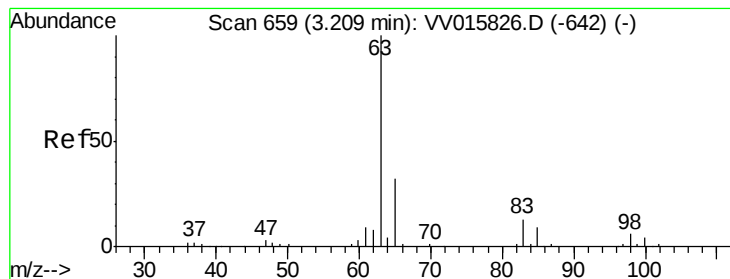
Tot Ion: 73 Resp: 108064
Ion Ratio Lower Upper
73 100
43 24.0 20.1 30.1
57 23.3 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.313 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV015851.D
Acq: 01 May 2020 11:17

Tgt Ion: 96 Resp: 43194
Ion Ratio Lower Upper
96 100
61 154.9 105.5 195.9
98 64.1 44.2 82.0





#19

1,1-Dichloroethane

Concen: 5.624 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

Instrument :
MSVOA_V
ClientSampled :

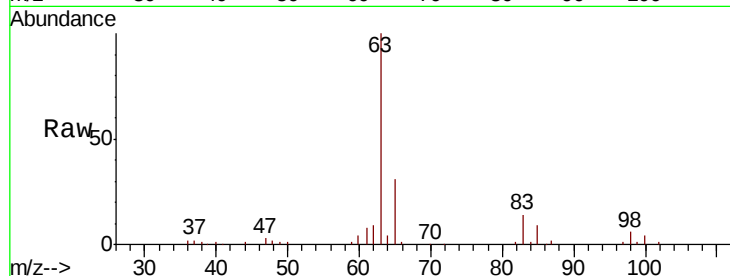
Tot Ion: 63 Resp: 89783

Ion Ratio Lower Upper

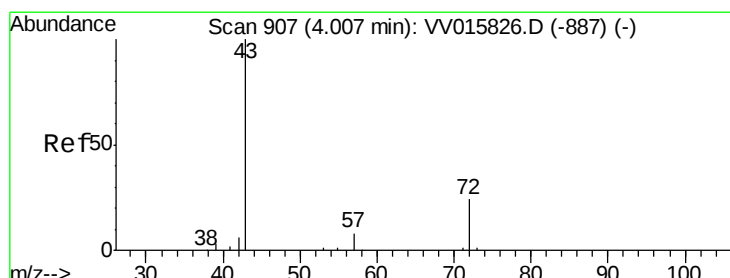
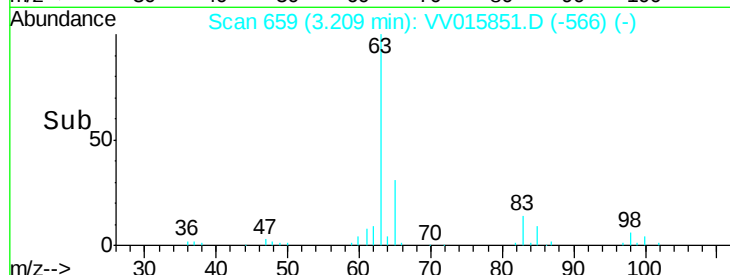
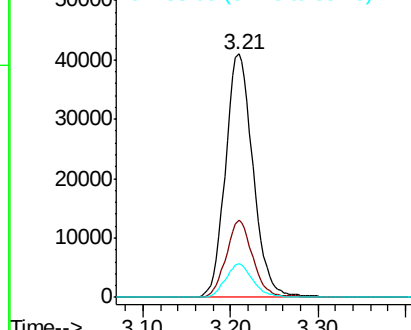
63 100

65 31.5 22.3 41.3

83 13.7 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 52.928 ug/L

RT: 4.04 min Scan# 918

Delta R.T. 0.04 min

Lab File: VV015851.D

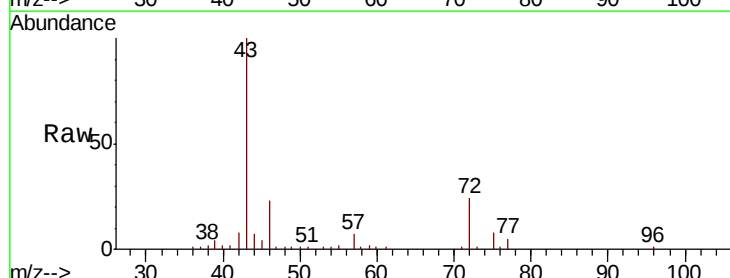
Acq: 01 May 2020 11:17

Tgt Ion: 43 Resp: 118682

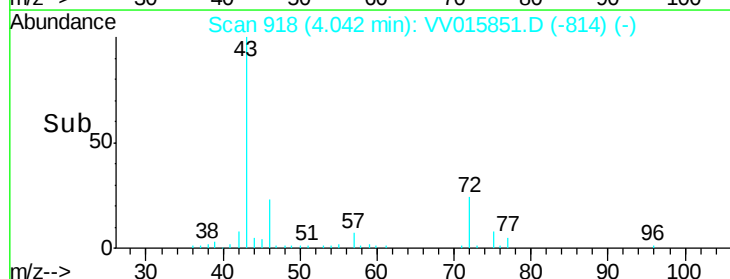
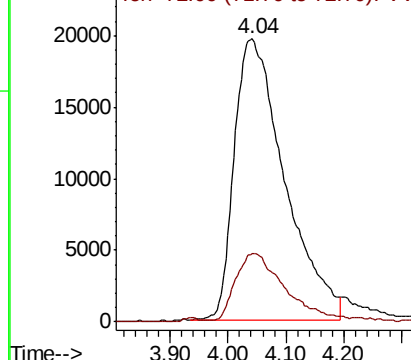
Ion Ratio Lower Upper

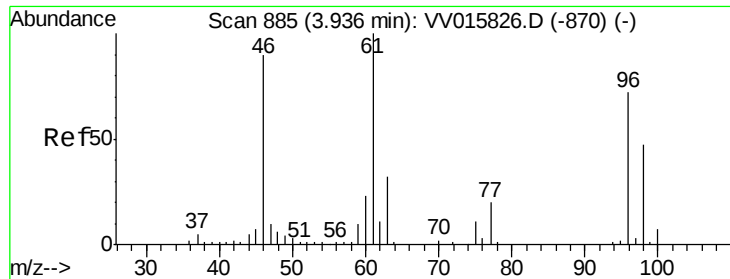
43 100

72 23.2 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0

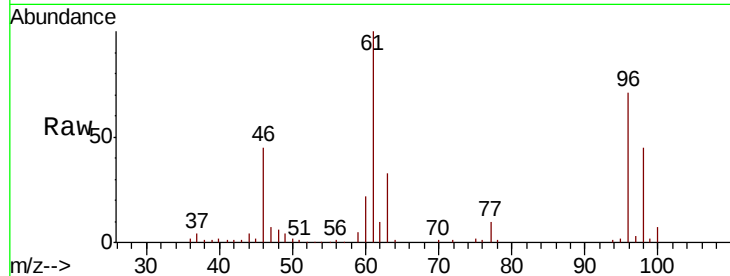




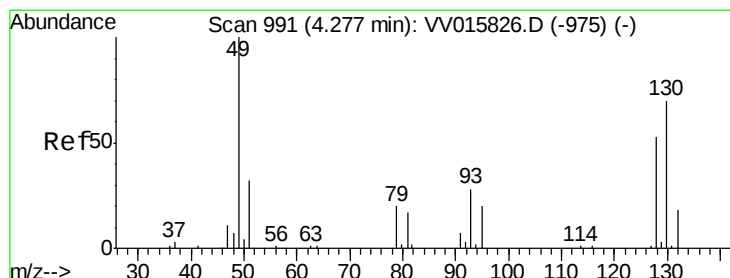
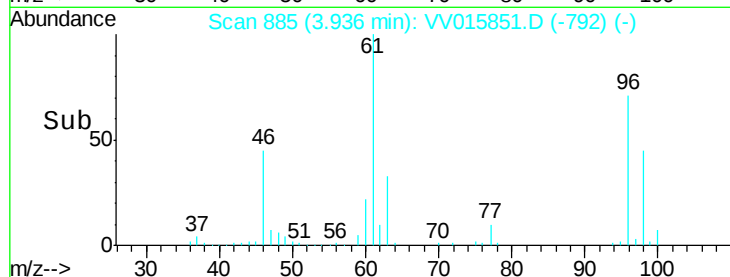
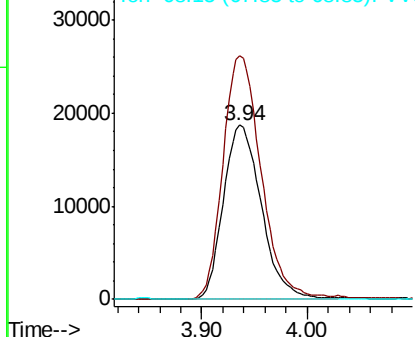
#22
 cis-1,2-Dichloroethene
 Concen: 5.206 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV015851.D
 Acq: 01 May 2020 11:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 46798
 Ion Ratio Lower Upper
 96 100
 61 139.9 96.4 179.0
 68 0.0 0.0 0.0

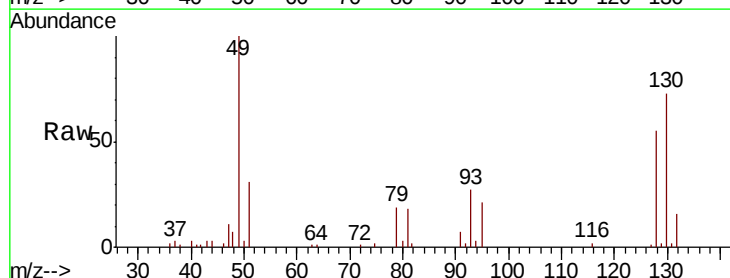


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

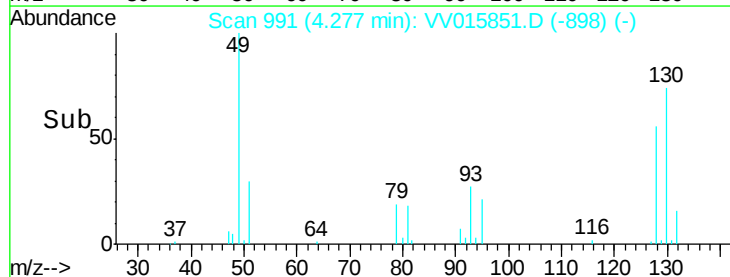
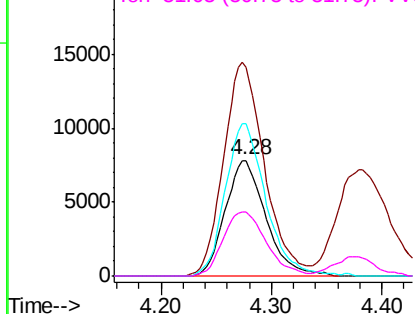


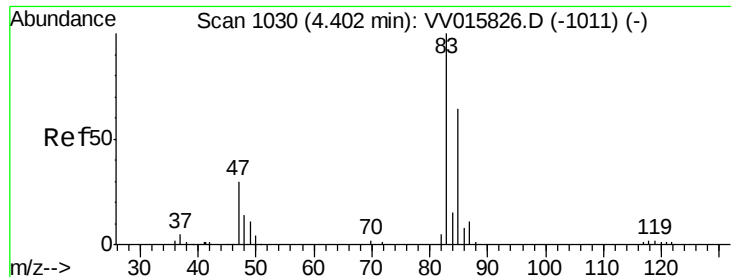
#23
 Bromochloromethane
 Concen: 5.436 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VV015851.D
 Acq: 01 May 2020 11:17

Tgt Ion:128 Resp: 19959
 Ion Ratio Lower Upper
 128 100
 49 181.1 130.8 242.8
 130 132.1 91.1 169.3
 51 55.8 45.2 67.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

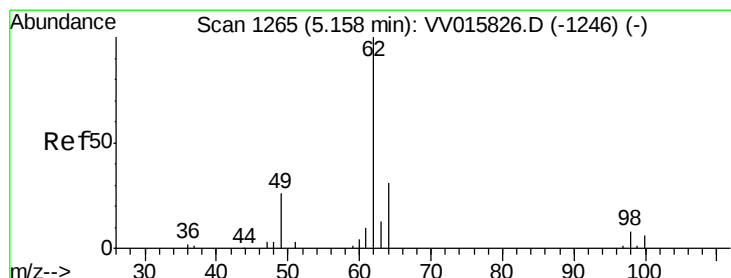
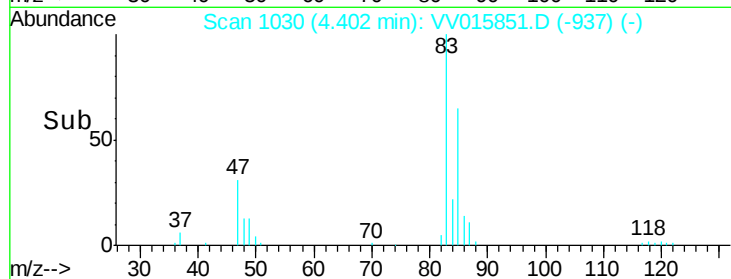
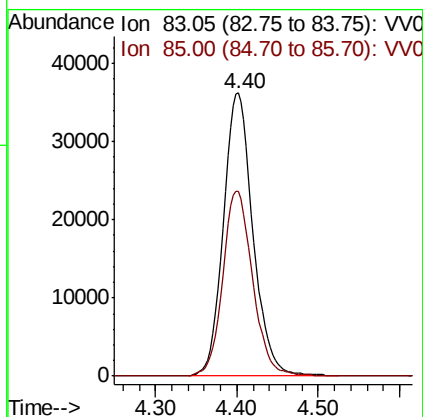
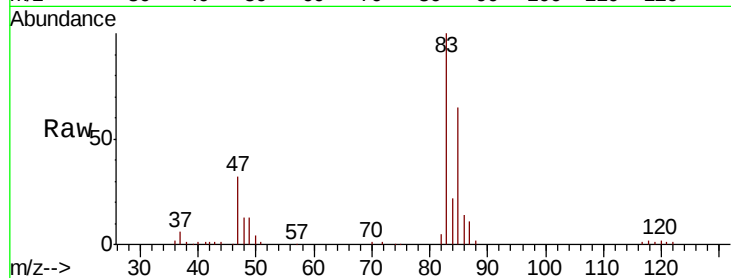




#25
Chloroform
Concen: 5.454 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015851.D
Acq: 01 May 2020 11:17

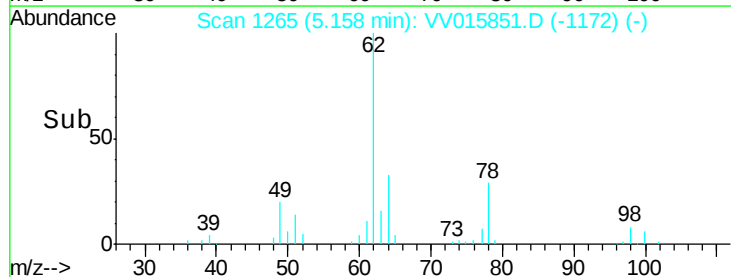
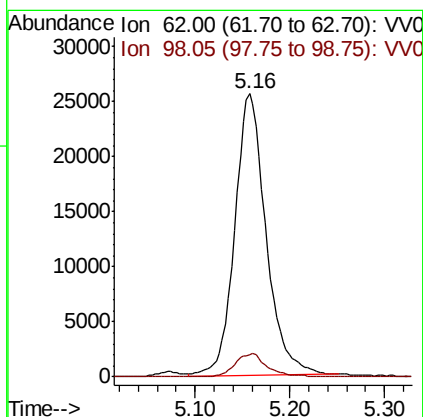
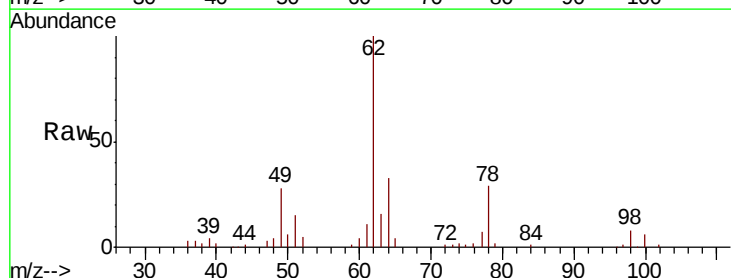
Instrument :
MSVOA_V
ClientSampleId :

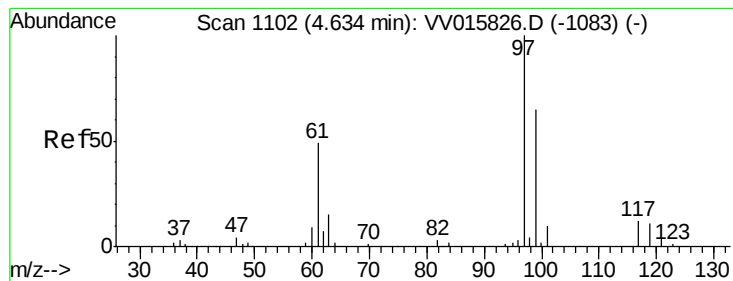
Tot Ion: 83 Resp: 92432
Ion Ratio Lower Upper
83 100
85 65.2 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.268 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV015851.D
Acq: 01 May 2020 11:17

Tgt Ion: 62 Resp: 58658
Ion Ratio Lower Upper
62 100
98 7.9 6.3 9.5





#29

1,1,1-Trichloroethane

Concen: 5.207 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

Instrument :
MSVOA_V
ClientSampleId :

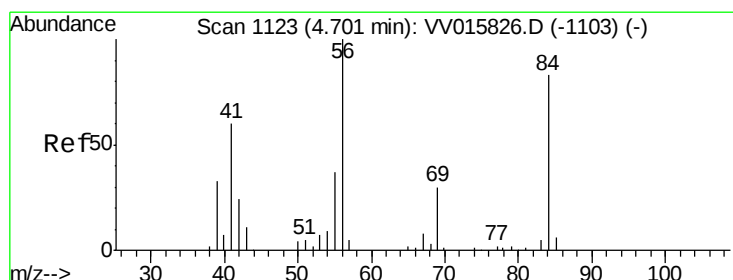
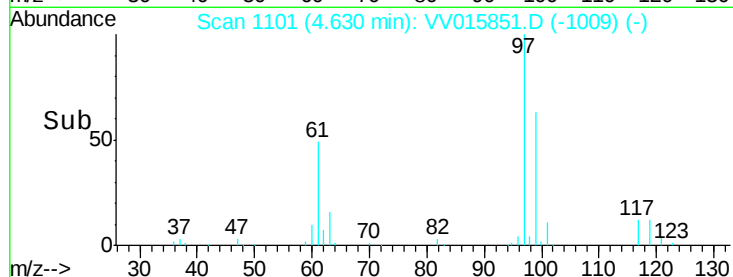
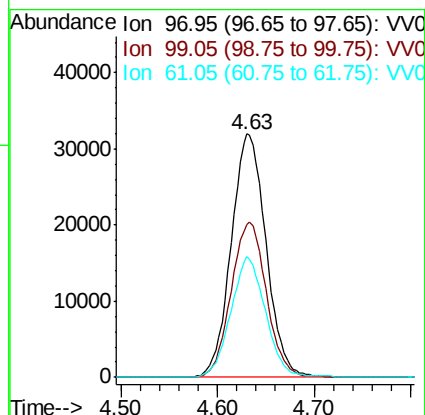
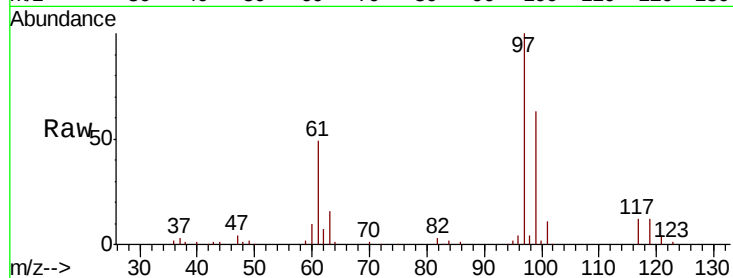
Tot Ion: 97 Resp: 79897

Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 49.6 38.6 57.8



#30

Cyclohexane

Concen: 5.018 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

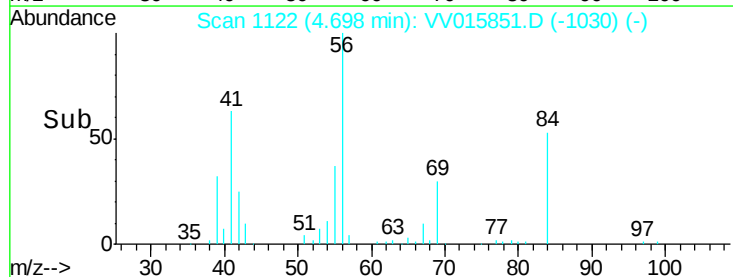
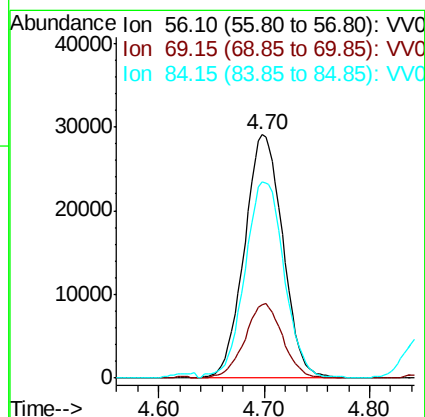
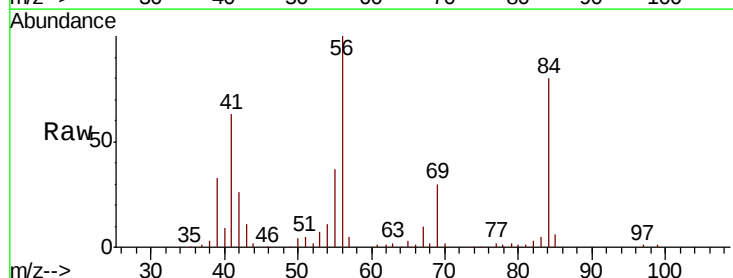
Tgt Ion: 56 Resp: 73563

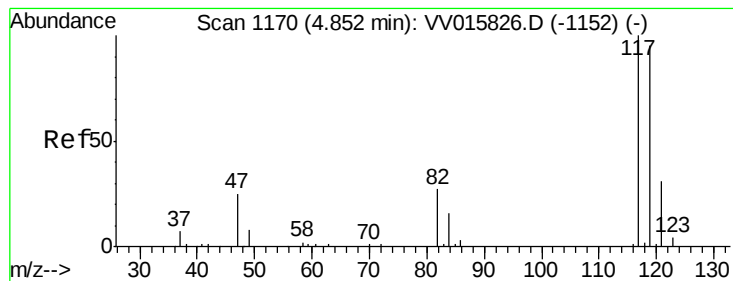
Ion Ratio Lower Upper

56 100

69 30.1 23.9 35.9

84 82.8 66.9 100.3





#31

Carbon tetrachloride

Concen: 5.387 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

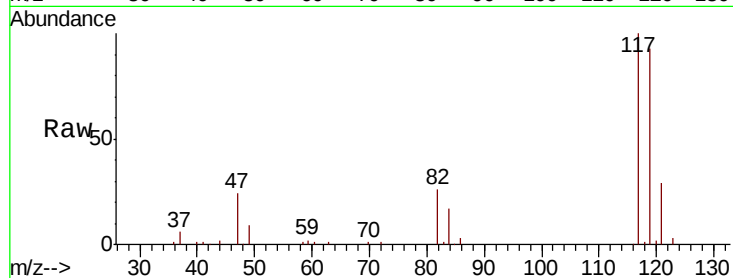
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 68456

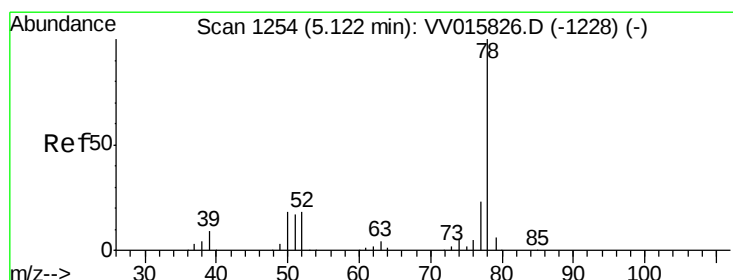
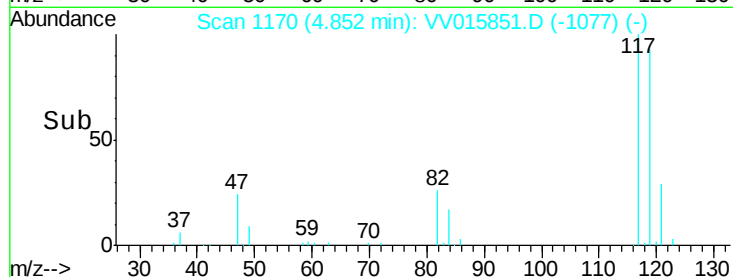
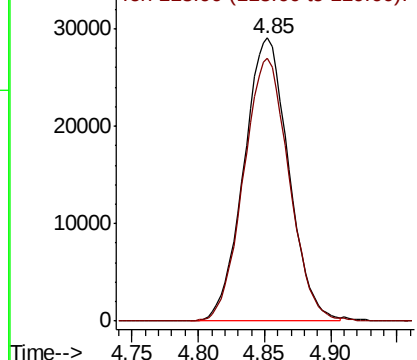
Ion Ratio Lower Upper

117 100

119 94.0 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.329 ug/L

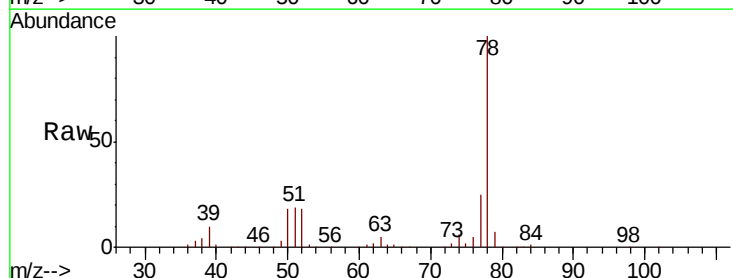
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

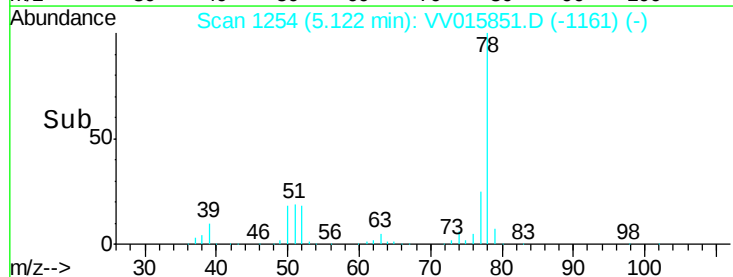
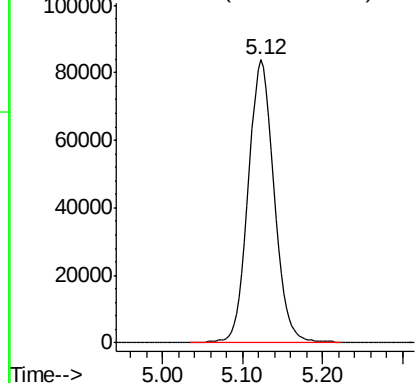
Lab File: VV015851.D

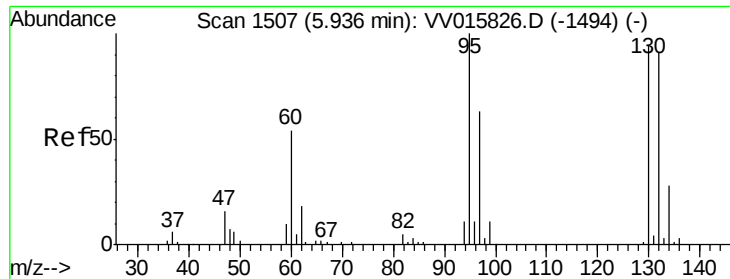
Acq: 01 May 2020 11:17

Tgt Ion: 78 Resp: 184242



Abundance Ion 78.10 (77.80 to 78.80): VV0

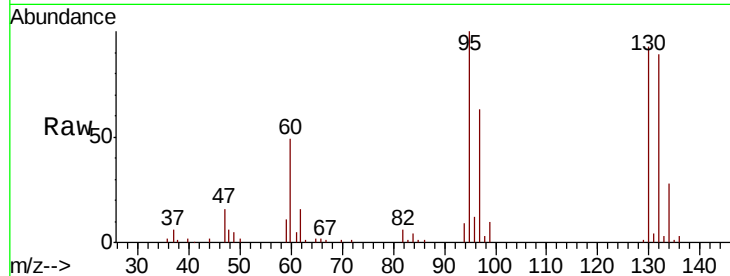




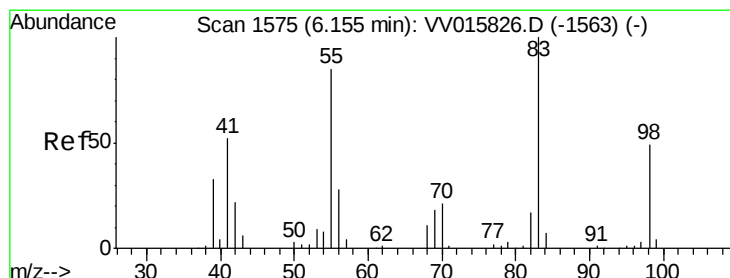
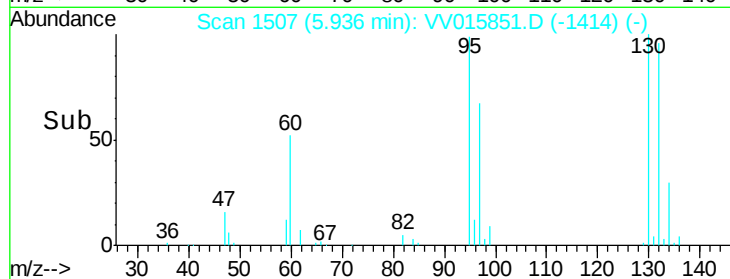
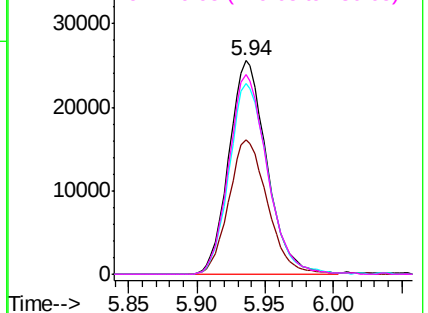
#34
 Trichloroethene
 Concen: 5.187 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV015851.D
 Acq: 01 May 2020 11:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 49519
 Ion Ratio Lower Upper
 95 100
 97 62.7 44.7 82.9
 132 89.2 65.2 121.0
 130 93.4 65.0 120.6

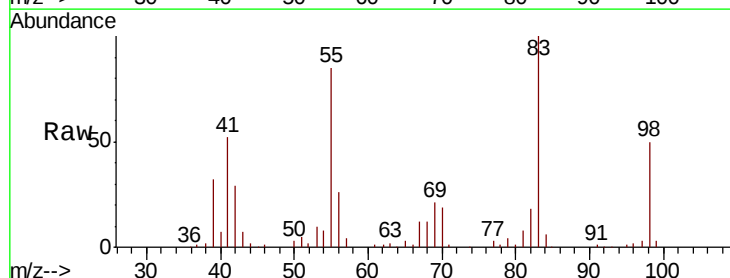


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

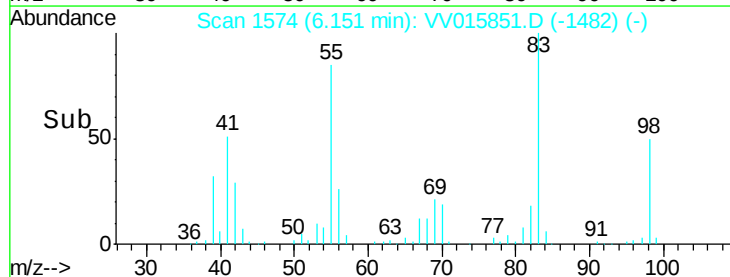
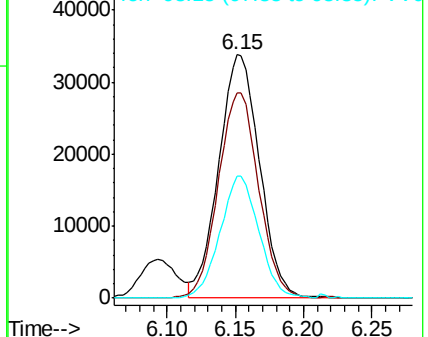


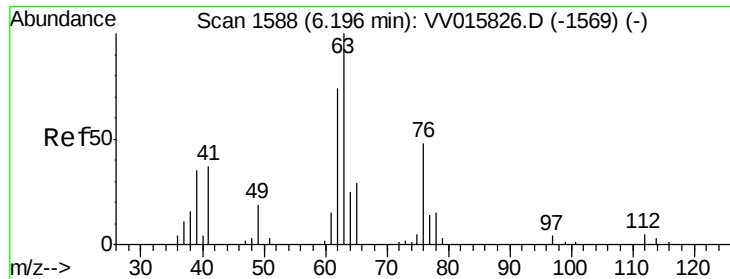
#35
 Methylcyclohexane
 Concen: 4.793 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV015851.D
 Acq: 01 May 2020 11:17

Tgt Ion: 83 Resp: 70236
 Ion Ratio Lower Upper
 83 100
 55 83.6 66.6 99.8
 98 47.8 39.5 59.3



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: 5.351 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

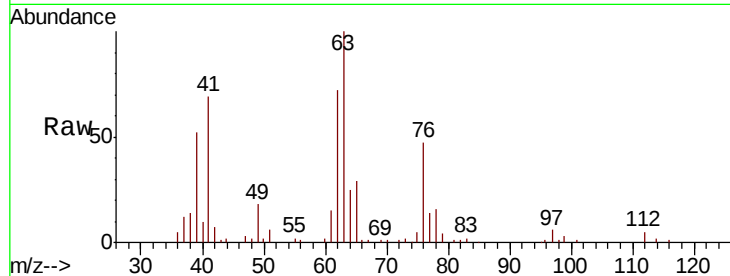
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 47020

Ion Ratio Lower Upper

63 100

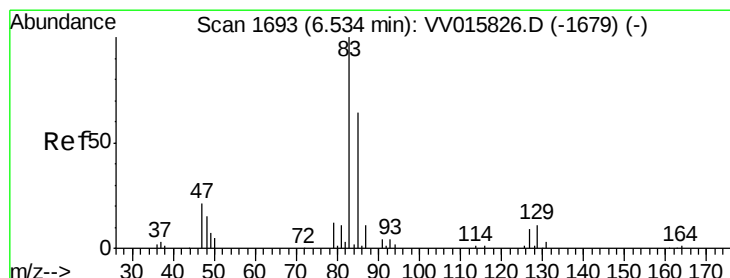
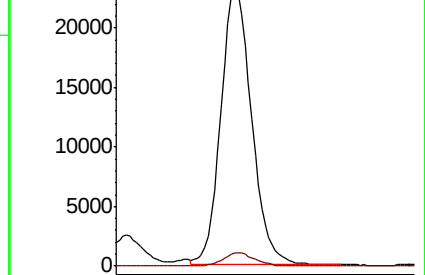
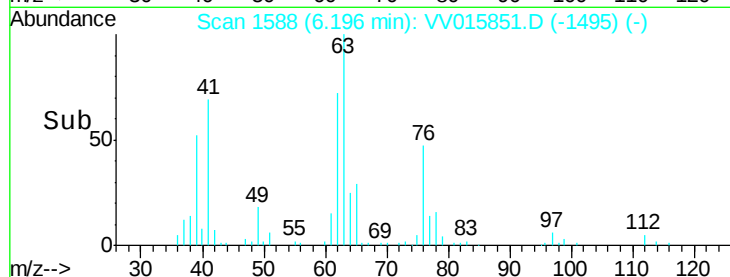
112 4.8 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VV015851.D (-1495) (-)

Ion 112.10 (111.80 to 112.80): VV015851.D (-1495) (-)

Time-->



#38

Bromodichloromethane

Concen: 5.347 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

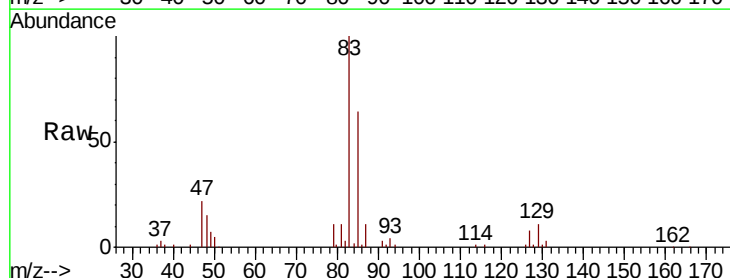
Tgt Ion: 83 Resp: 59668

Ion Ratio Lower Upper

83 100

85 64.4 44.7 83.1

127 8.3 5.8 8.6

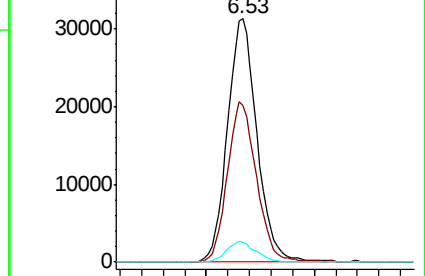
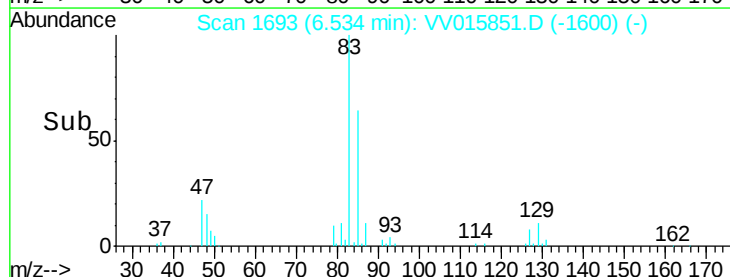


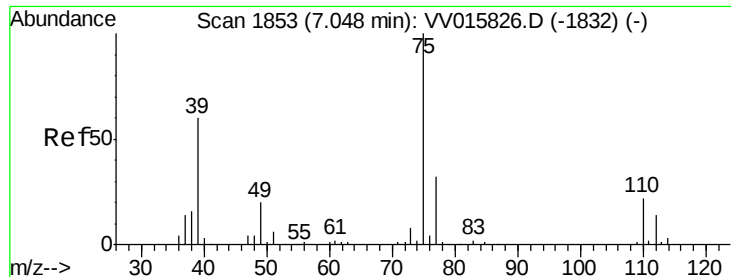
Abundance Ion 82.95 (82.65 to 83.65): VV015851.D (-1600) (-)

Ion 85.00 (84.70 to 85.70): VV015851.D (-1600) (-)

Ion 126.90 (126.60 to 127.60): VV015851.D (-1600) (-)

Time-->

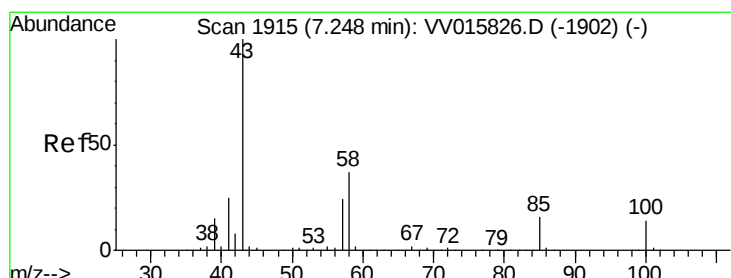
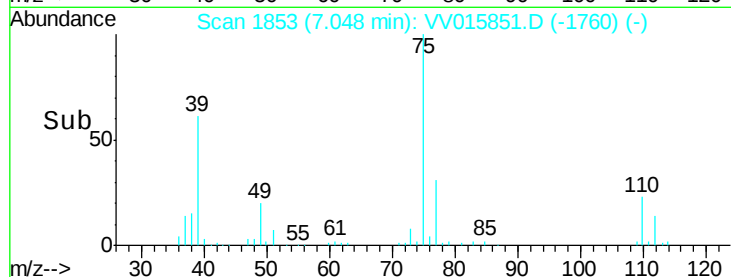
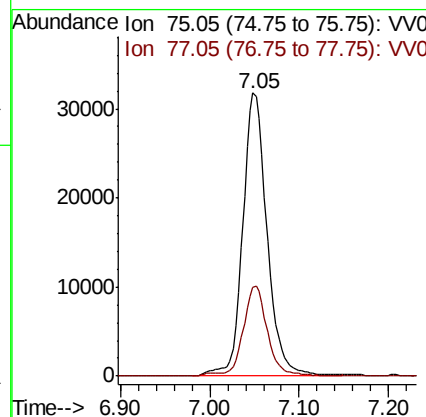
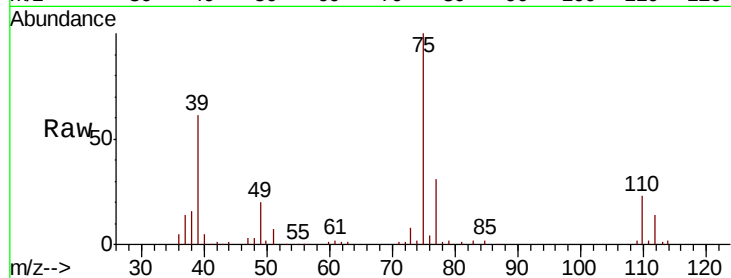




#39
 cis-1,3-Dichloropropene
 Concen: 4.920 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV015851.D
 Acq: 01 May 2020 11:17

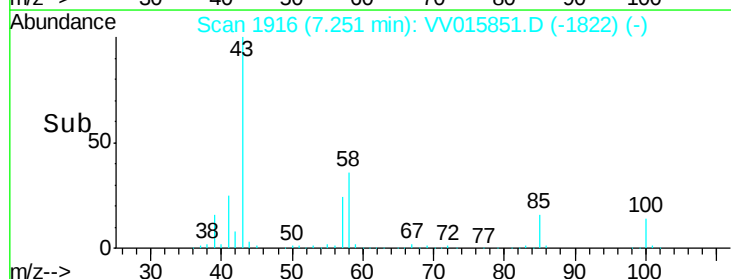
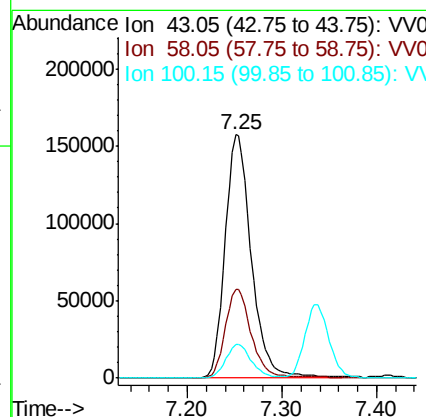
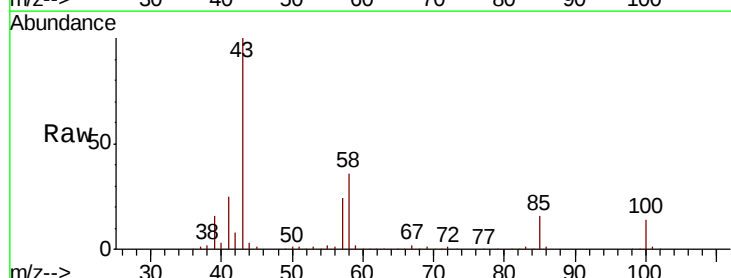
Instrument :
 MSVOA_V
 ClientSampleId :

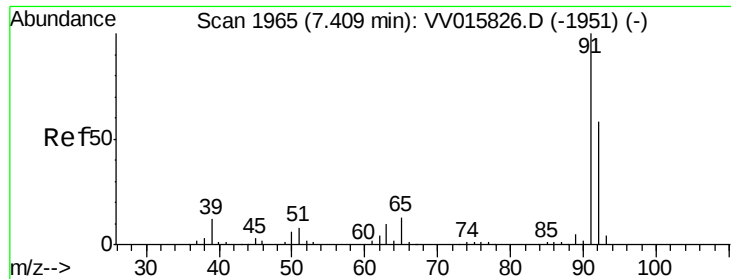
Tot Ion: 75 Resp: 60267
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 53.196 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV015851.D
 Acq: 01 May 2020 11:17

Tgt Ion: 43 Resp: 303383
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.2 43.8
 100 13.6 11.4 17.2





#42

Toluene

Concen: 5.278 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

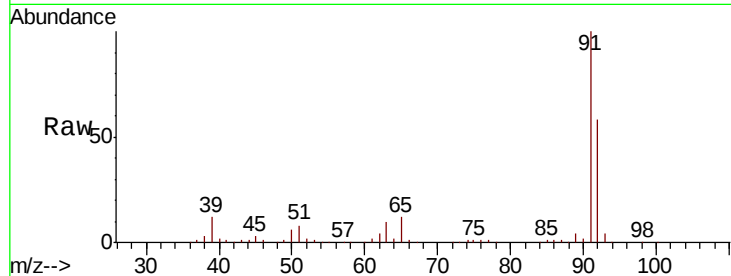
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 194977

Ion Ratio Lower Upper

91 100

92 58.4 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

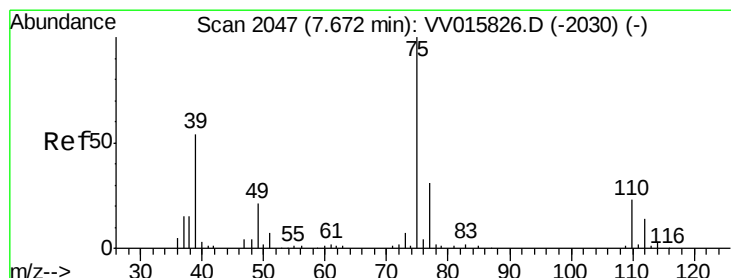
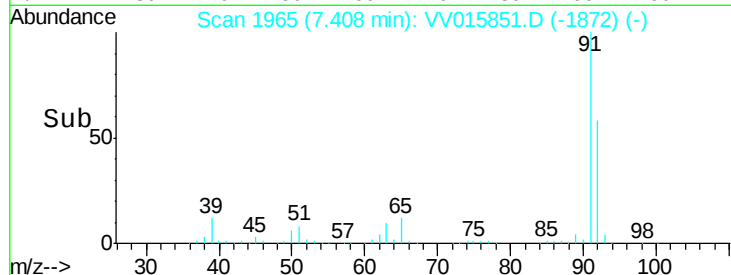
7.41

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.951 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015851.D

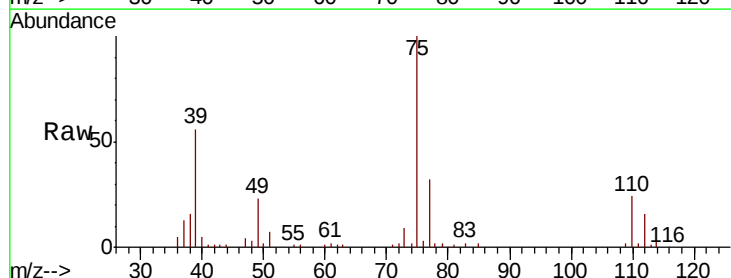
Acq: 01 May 2020 11:17

Tgt Ion: 75 Resp: 50958

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

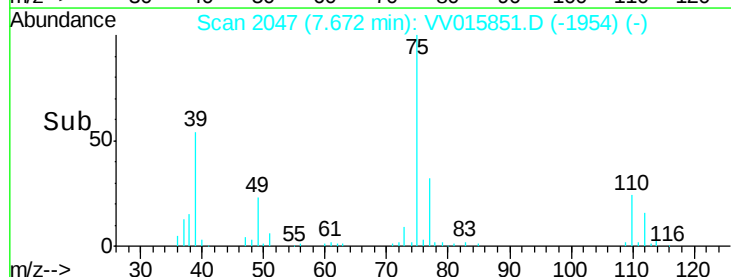
30000

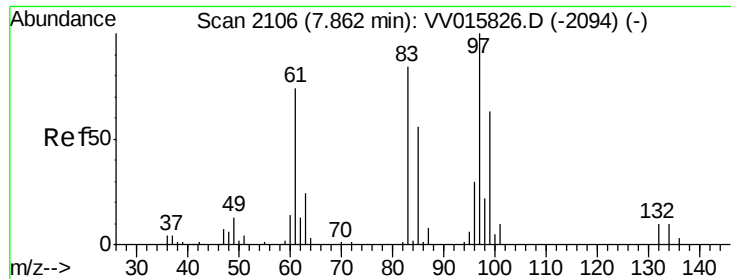
20000

10000

0

Time-->

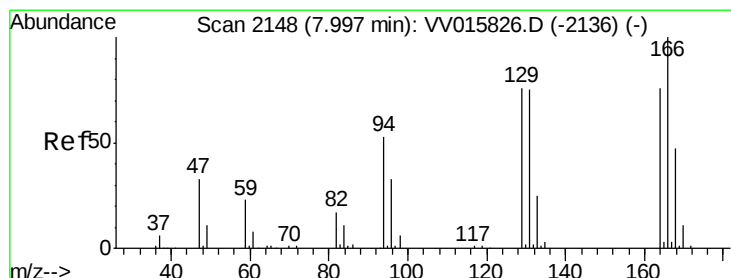
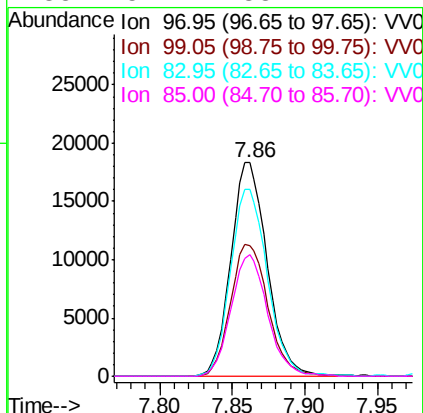
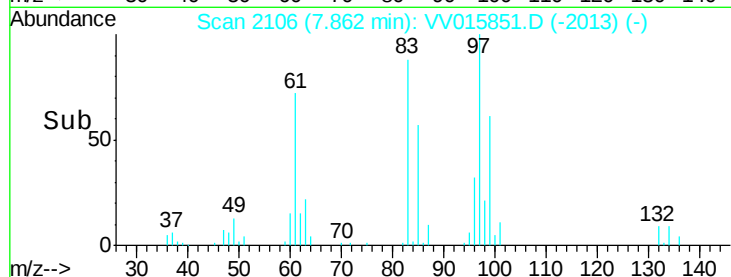
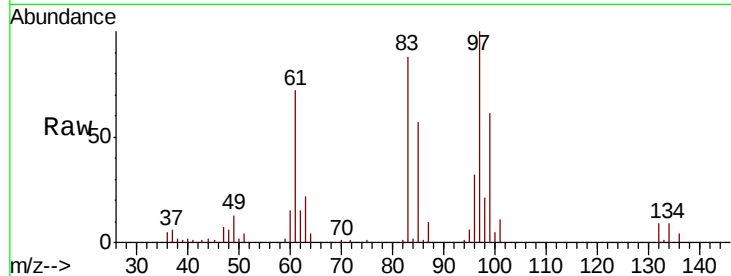




#45
 1,1,2-Trichloroethane
 Concen: 5.326 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV015851.D
 Acq: 01 May 2020 11:17

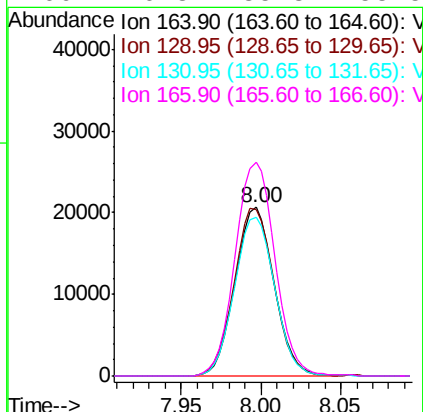
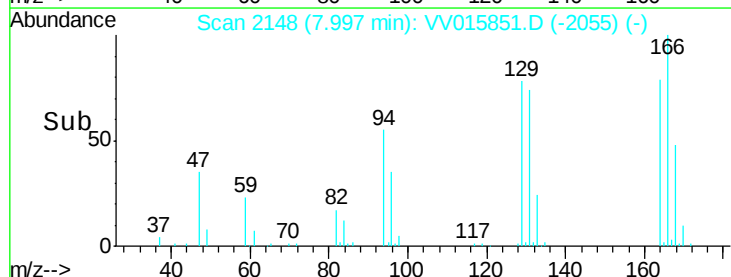
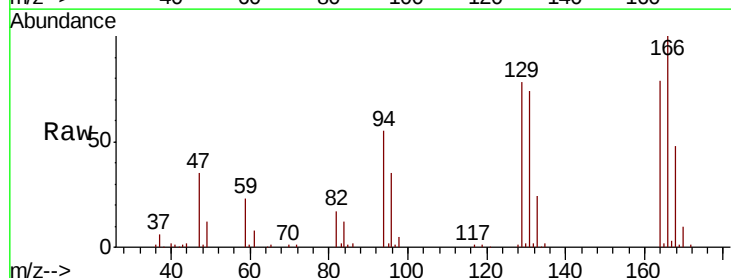
Instrument :
 MSVOA_V
 ClientSampleID :

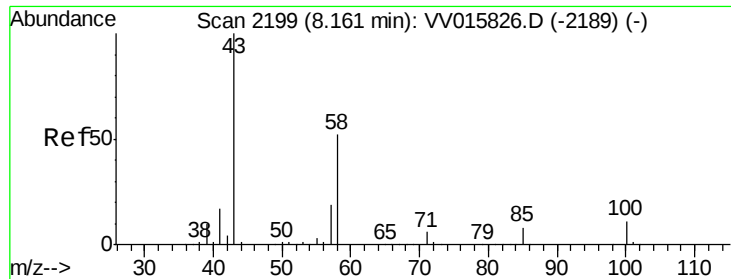
Tot Ion:	97	Resp:	31897
Ion	Ratio	Lower	Upper
97	100		
99	61.3	45.4	84.4
83	87.7	61.3	113.9
85	57.1	38.4	71.4



#47
 Tetrachloroethene
 Concen: 4.978 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015851.D
 Acq: 01 May 2020 11:17

Tgt Ion:	164	Resp:	34222
Ion	Ratio	Lower	Upper
164	100		
129	99.1	66.7	123.9
131	94.5	66.6	123.6
166	126.8	85.3	158.5

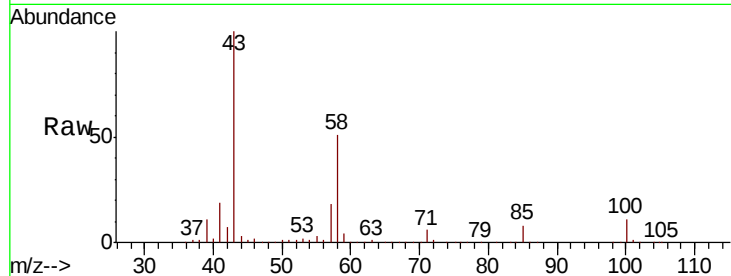




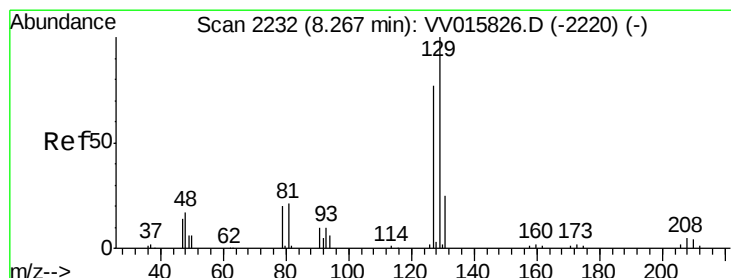
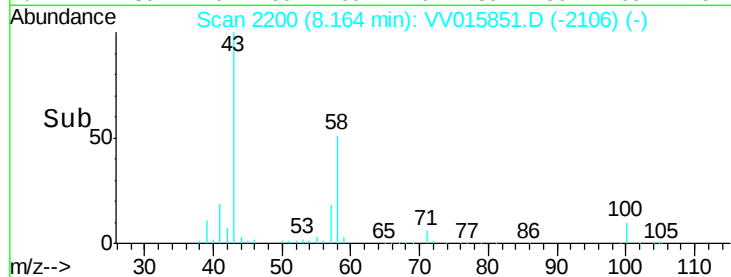
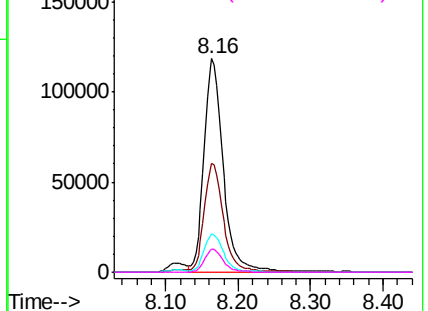
#48
2-Hexanone
Concen: 53.774 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015851.D
Acq: 01 May 2020 11:17

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 218698
Ion Ratio Lower Upper
43 100
58 50.5 41.1 61.7
57 18.1 15.0 22.4
100 10.5 9.0 13.4

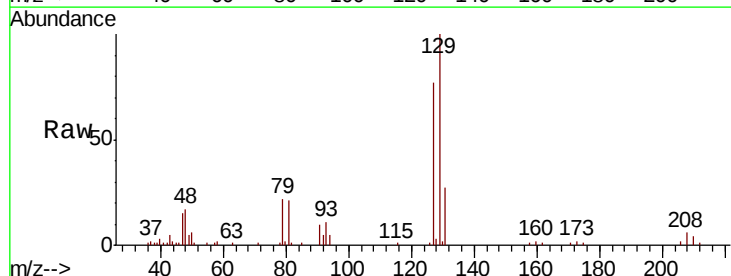


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

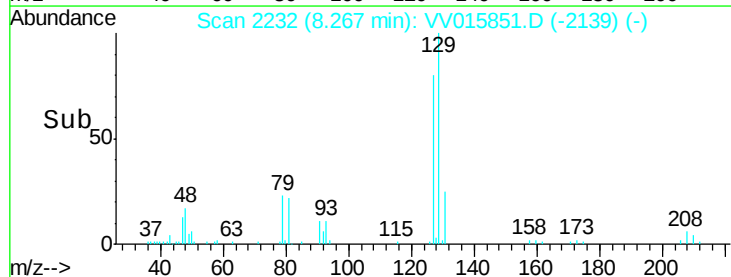
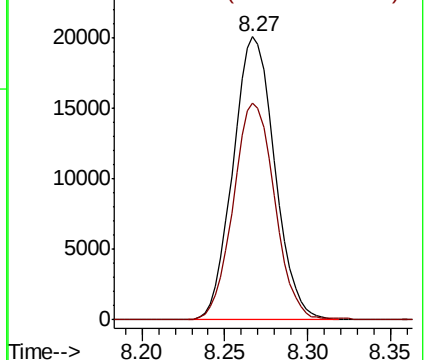


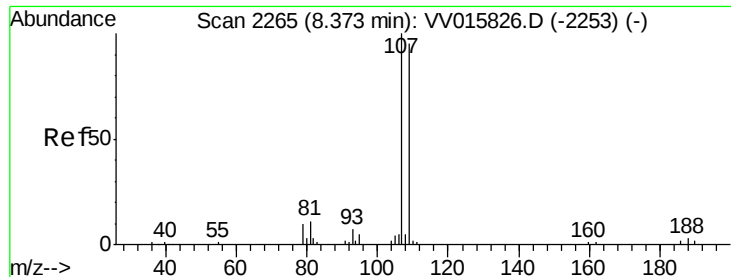
#49
Dibromochloromethane
Concen: 5.659 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015851.D
Acq: 01 May 2020 11:17

Tgt Ion: 129 Resp: 35079
Ion Ratio Lower Upper
129 100
127 76.7 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

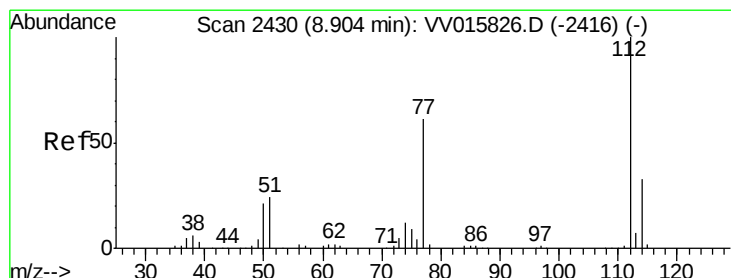
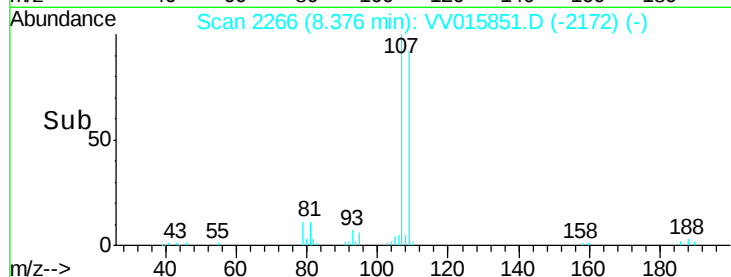
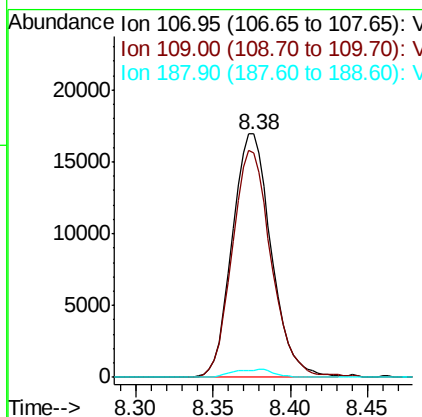
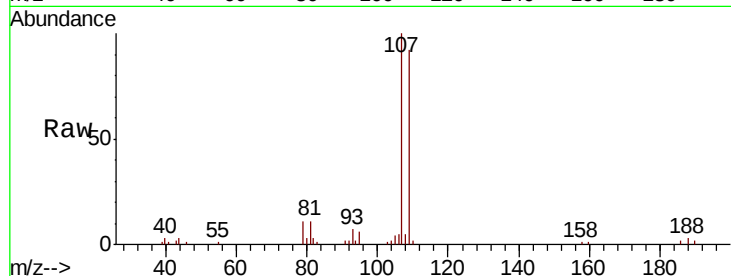




#50
1,2-Dibromoethane
Concen: 5.365 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015851.D
Acq: 01 May 2020 11:17

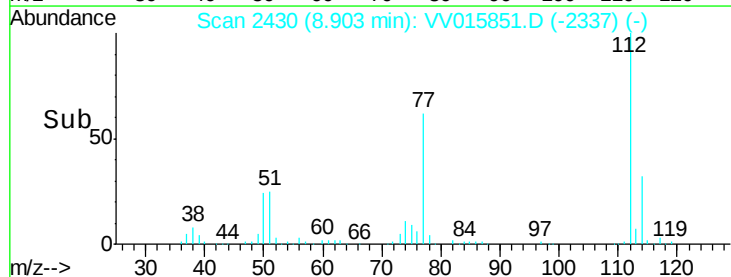
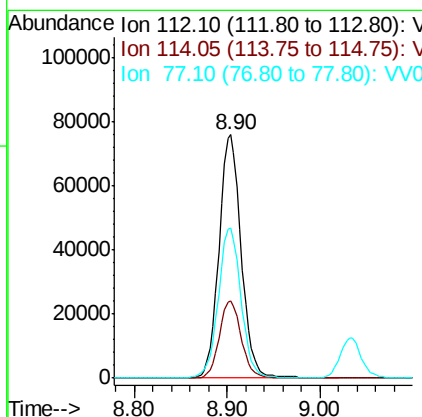
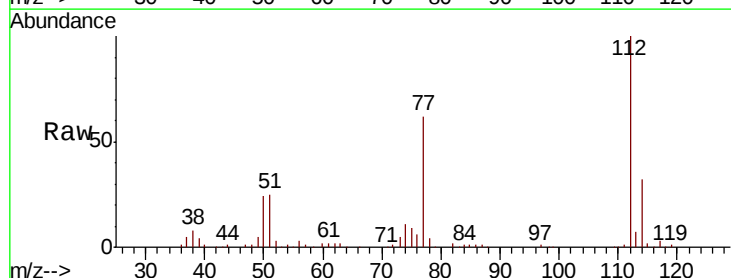
Instrument :
MSVOA_V
ClientSampleId :

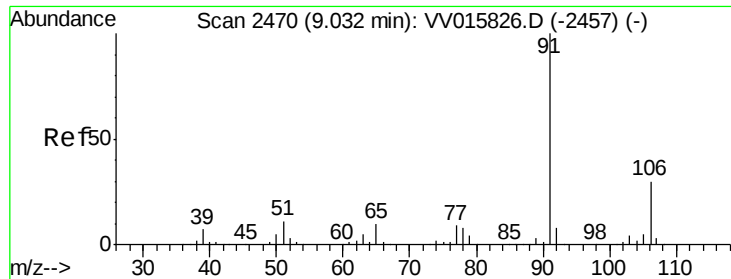
Tot Ion:107 Resp: 29717
Ion Ratio Lower Upper
107 100
109 92.2 68.1 126.5
188 2.8 3.2 4.8#



#51
Chlorobenzene
Concen: 5.205 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015851.D
Acq: 01 May 2020 11:17

Tgt Ion:112 Resp: 125963
Ion Ratio Lower Upper
112 100
114 31.8 21.6 40.2
77 61.5 48.9 73.3





#52

Ethylbenzene

Concen: 5.173 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

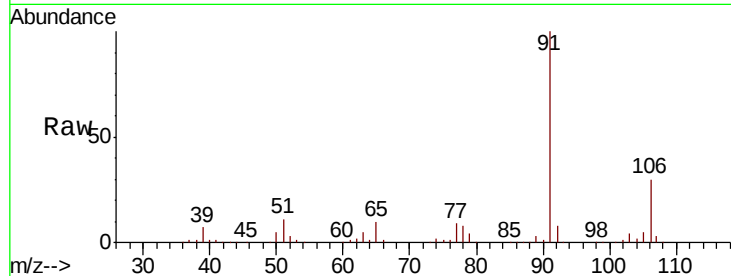
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 221134

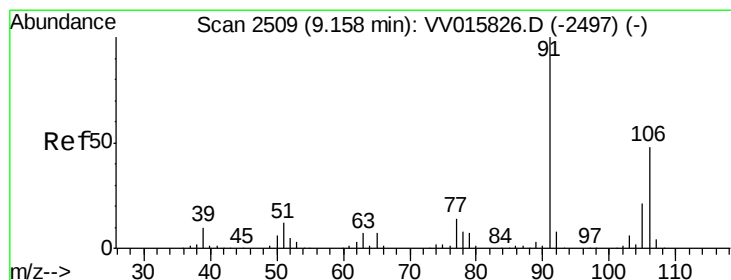
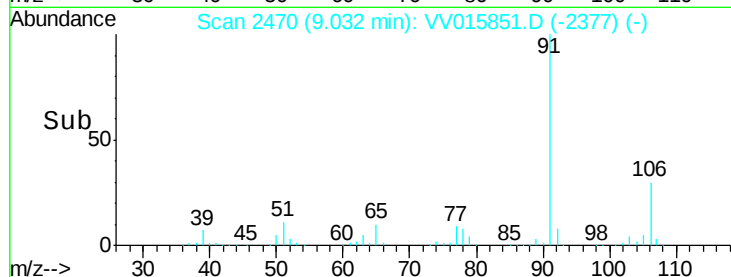
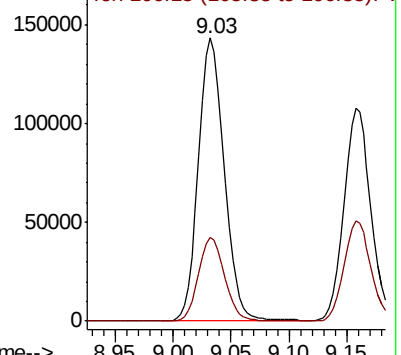
Ion Ratio Lower Upper

91 100

106 29.6 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015851.D (-2377) (-)



#53

m,p-xylene

Concen: 5.268 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015851.D

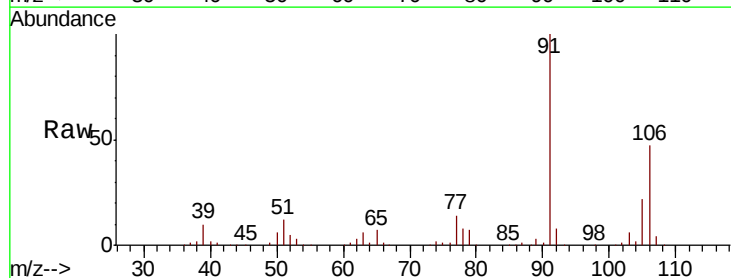
Acq: 01 May 2020 11:17

Tgt Ion: 106 Resp: 82494

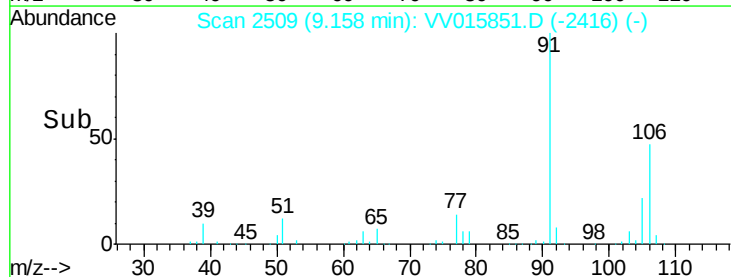
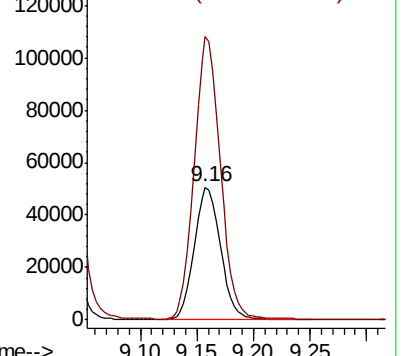
Ion Ratio Lower Upper

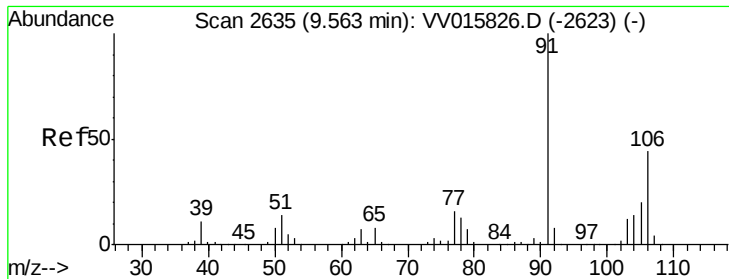
106 100

91 213.7 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015851.D (-2416) (-)





#54

o-xylene

Concen: 5.261 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

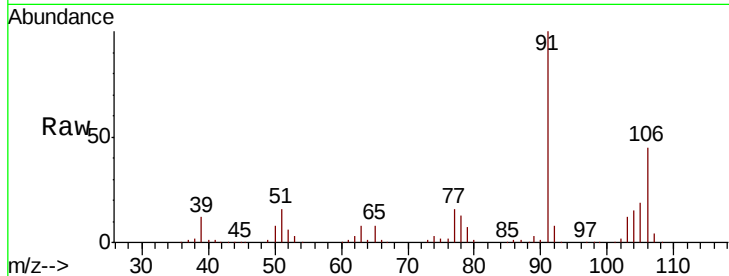
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 79708

Ion Ratio Lower Upper

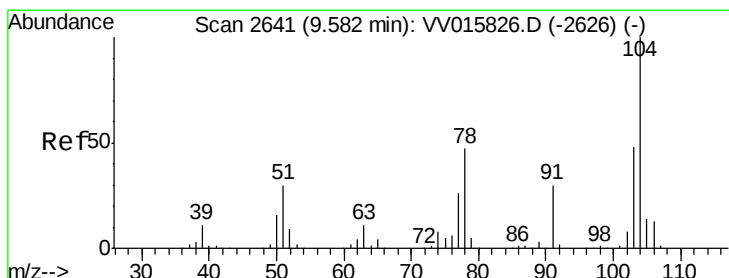
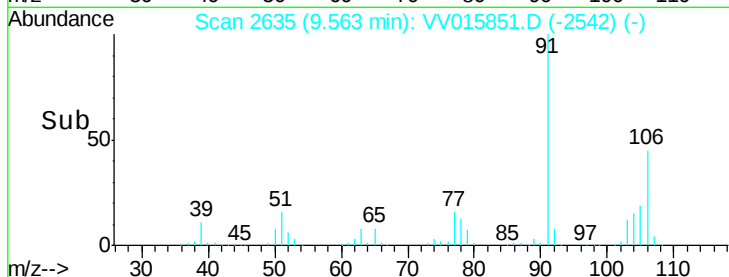
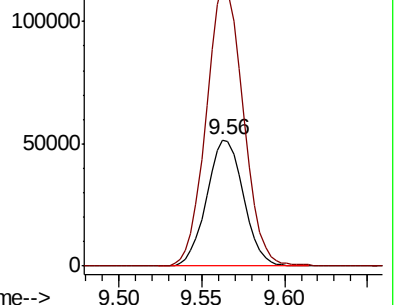
106 100

91 224.6 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.361 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015851.D

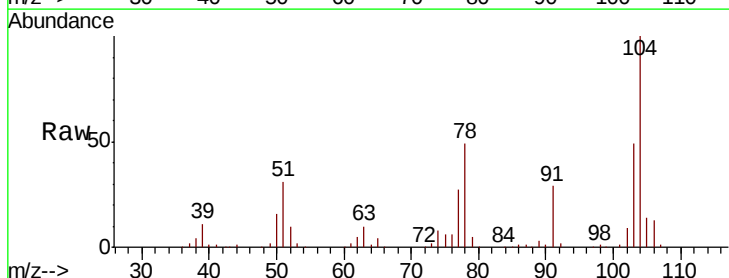
Acq: 01 May 2020 11:17

Tgt Ion:104 Resp: 137826

Ion Ratio Lower Upper

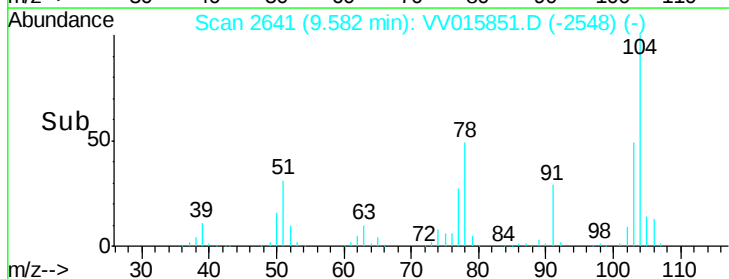
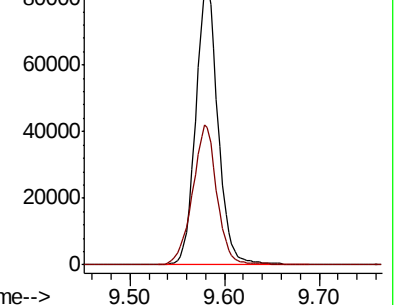
104 100

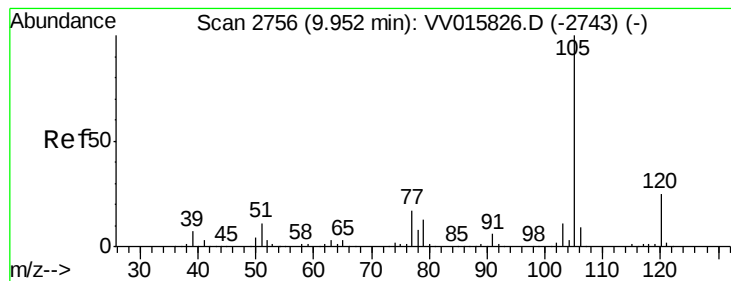
78 48.7 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.104 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

Instrument :
MSVOA_V
ClientSampleId :

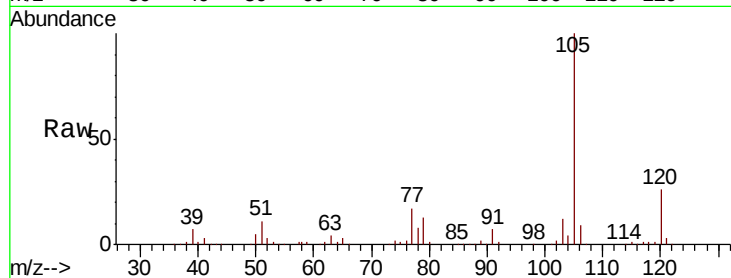
Tot Ion:105 Resp: 216955

Ion Ratio Lower Upper

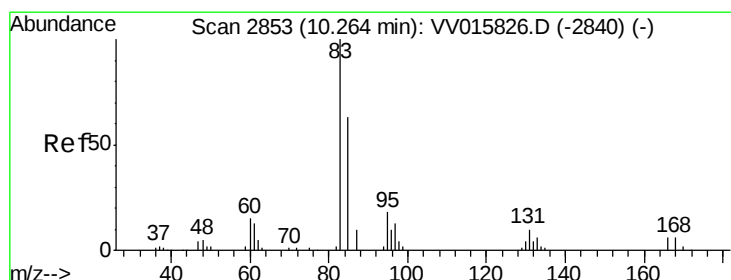
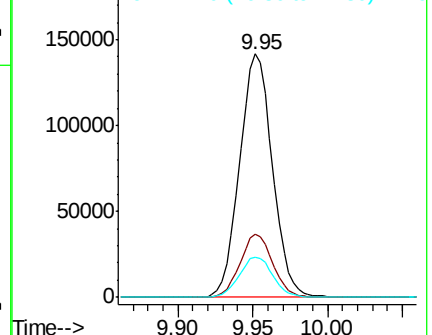
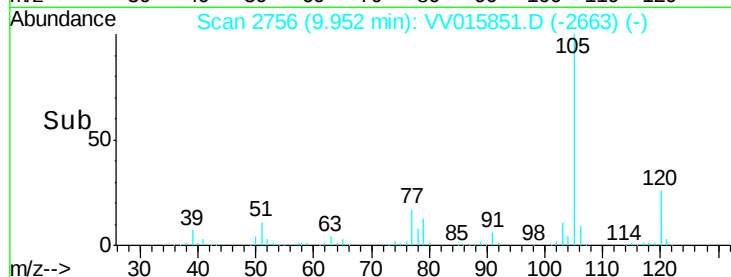
105 100

120 25.8 20.7 31.1

77 17.1 13.9 20.9



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: 5.306 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

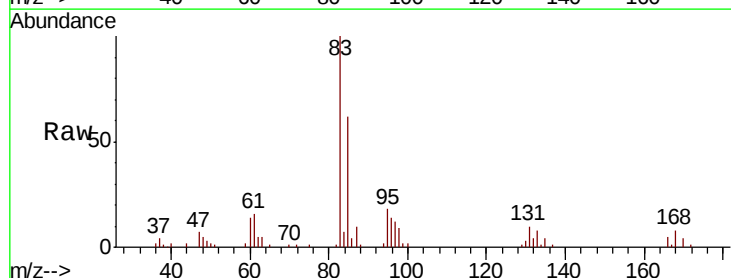
Tgt Ion: 83 Resp: 37109

Ion Ratio Lower Upper

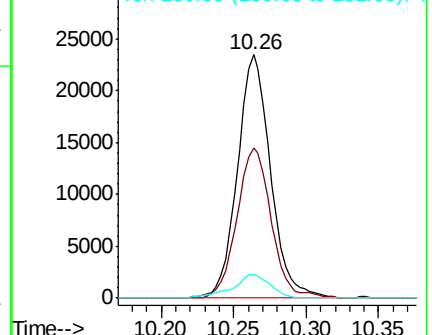
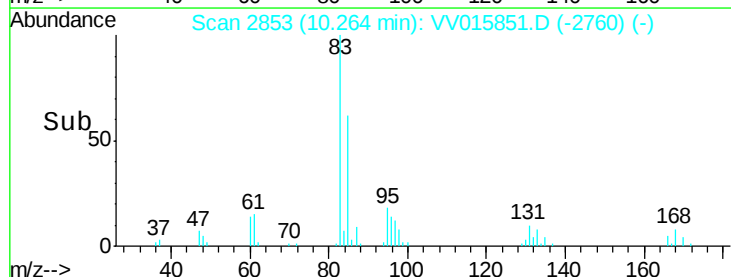
83 100

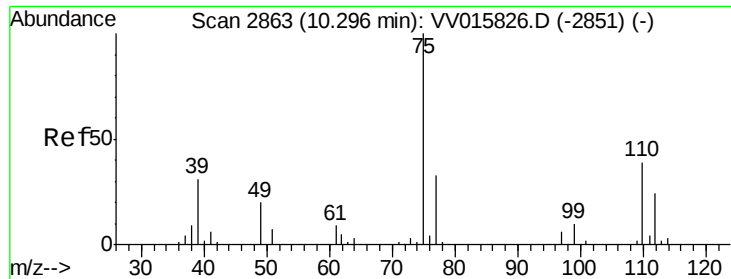
85 61.7 46.3 85.9

131 9.8 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: 5.166 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

Instrument :

MSVOA_V

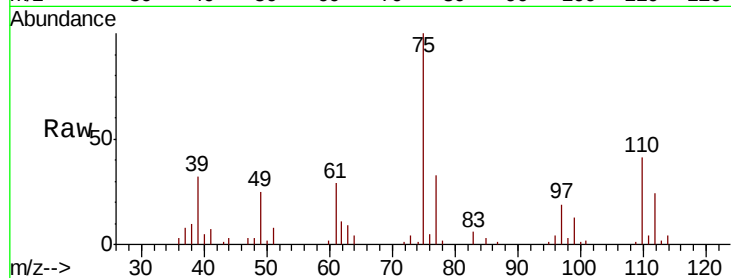
ClientSampled :

Tot Ion: 75 Resp: 28981

Ion Ratio Lower Upper

75 100

77 32.0 26.0 39.0

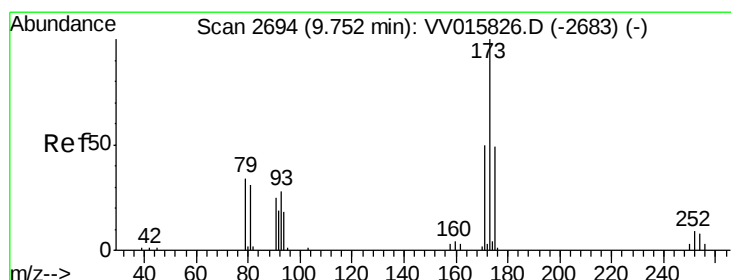
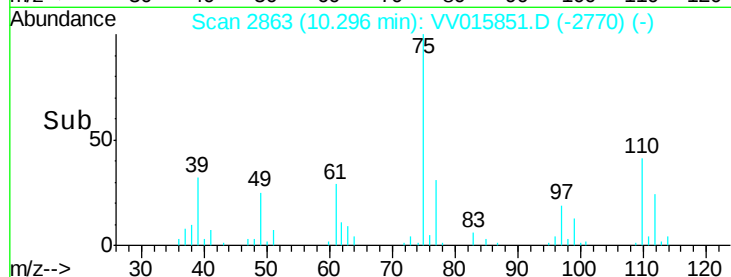


Abundance Ion 75.00 (74.70 to 75.70): VV015826.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015826.D (-2851) (-)

10.30

Time-->



#61

Bromoform

Concen: 6.479 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

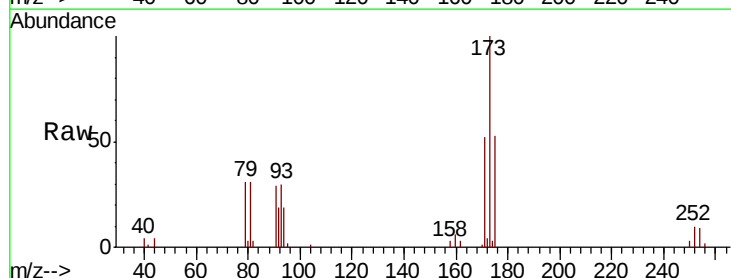
Tgt Ion: 173 Resp: 15970

Ion Ratio Lower Upper

173 100

175 49.7 39.8 59.8

254 8.8 5.8 8.8#



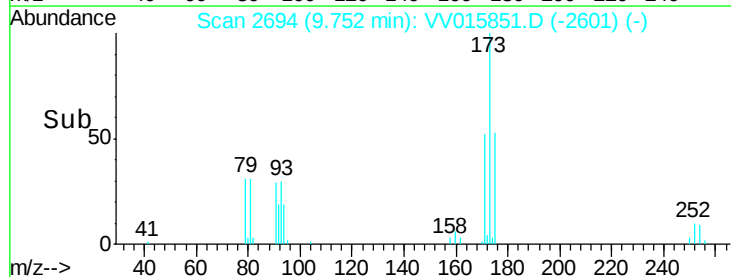
Abundance Ion 172.90 (172.60 to 173.60): VV015826.D (-2683) (-)

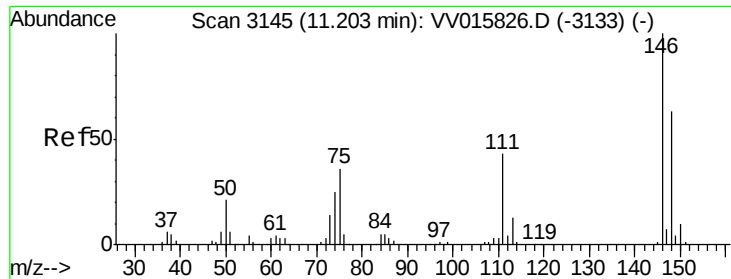
Ion 174.90 (174.60 to 175.60): VV015826.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015826.D (-2683) (-)

9.75

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.346 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

Instrument :

MSVOA_V

ClientSampleId :

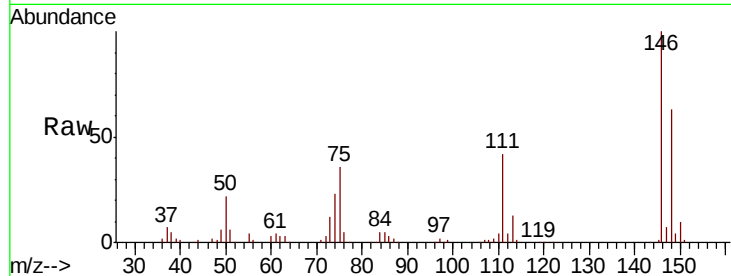
Tot Ion:146 Resp: 101041

Ion Ratio Lower Upper

146 100

111 42.5 30.0 55.6

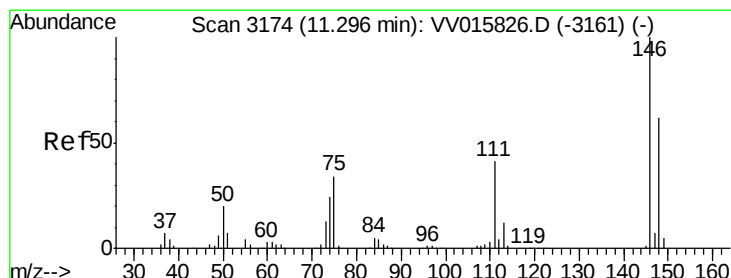
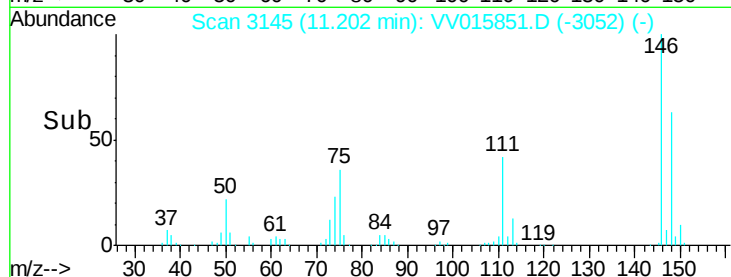
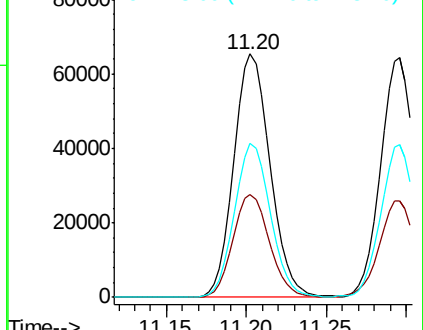
148 63.1 44.2 82.2



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



#63

1,4-Dichlorobenzene

Concen: 5.235 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

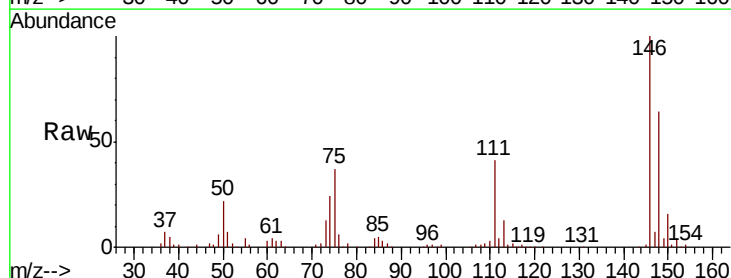
Tgt Ion:146 Resp: 99771

Ion Ratio Lower Upper

146 100

111 40.6 28.2 52.4

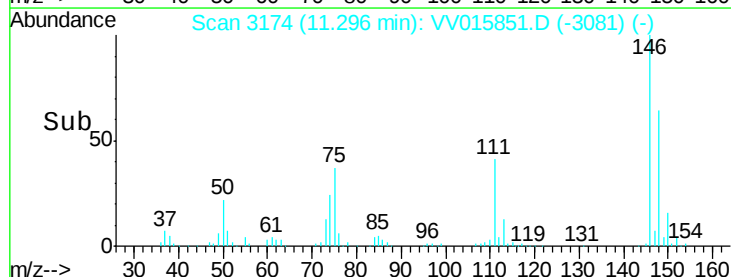
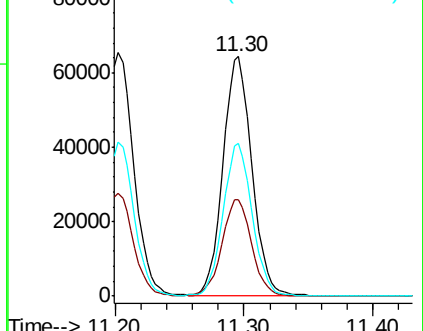
148 64.0 45.7 84.9

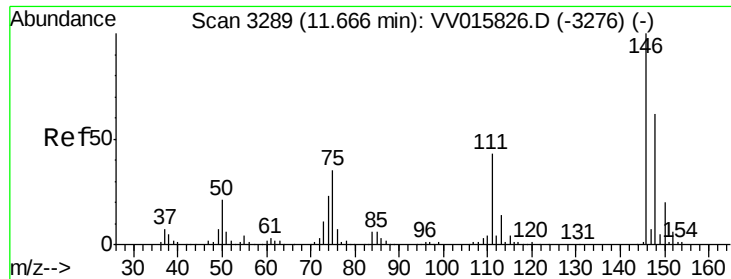


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.343 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

Instrument :

MSVOA_V

ClientSampleId :

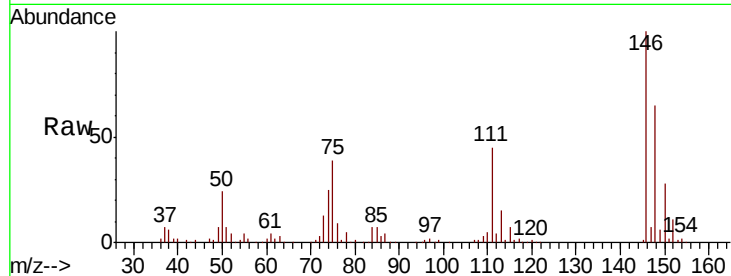
Tot Ion:146 Resp: 91321

Ion Ratio Lower Upper

146 100

111 45.1 34.7 52.1

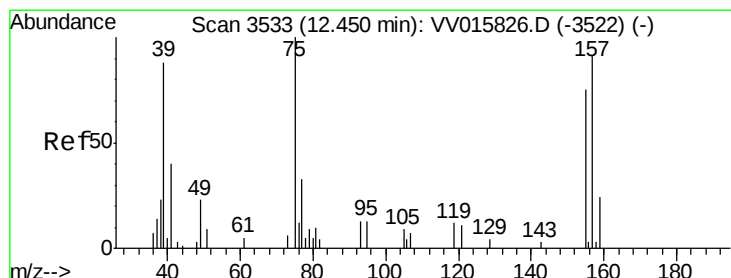
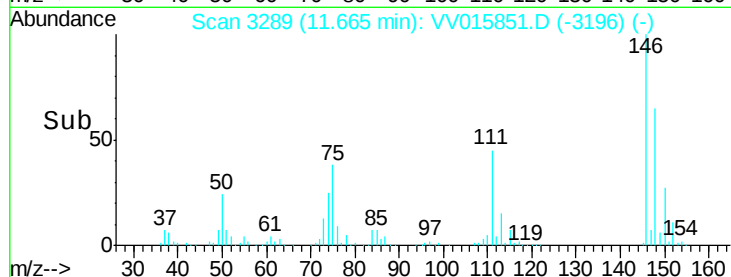
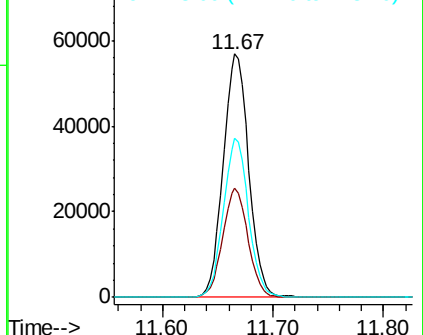
148 65.3 51.3 76.9



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: 5.599 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

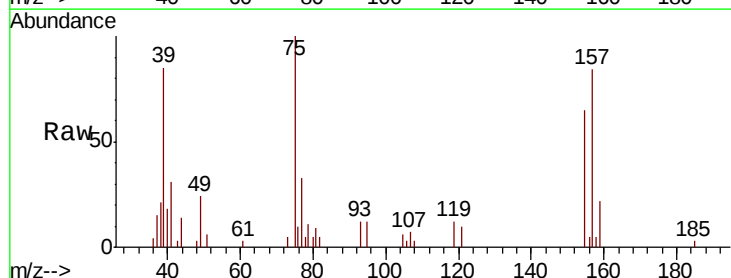
Tgt Ion: 75 Resp: 6235

Ion Ratio Lower Upper

75 100

155 64.6 51.0 76.4

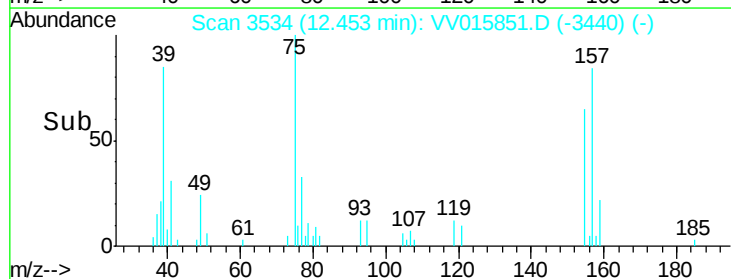
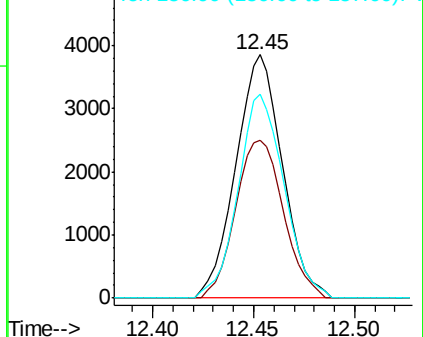
157 83.9 70.6 106.0

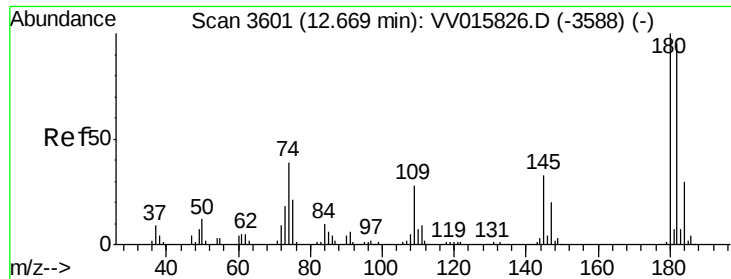


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

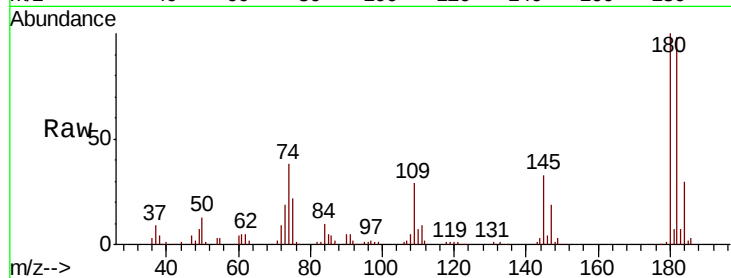




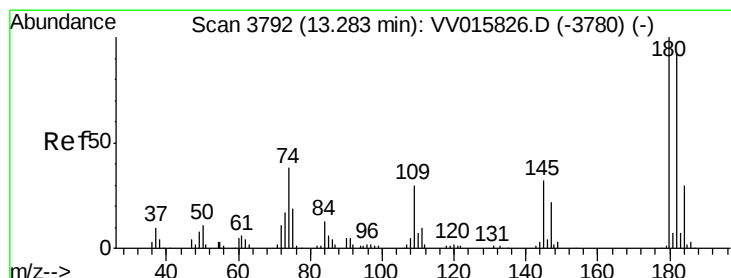
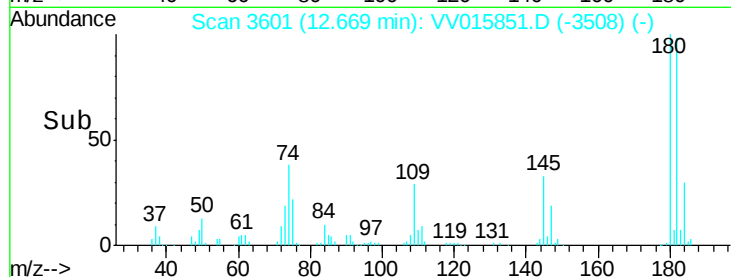
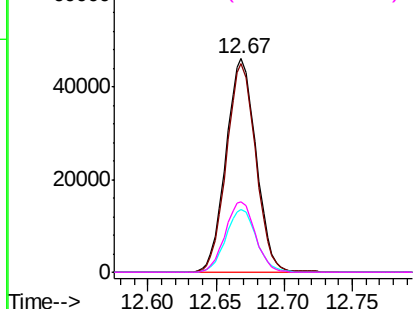
#67
 1,3,5-Trichlorobenzene
 Concen: 5.062 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015851.D
 Acq: 01 May 2020 11:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 70692
 Ion Ratio Lower Upper
 180 100
 182 95.1 78.2 117.4
 184 29.8 25.0 37.4
 145 32.8 26.4 39.6

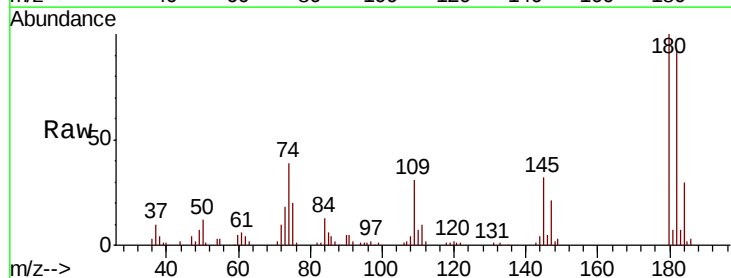


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

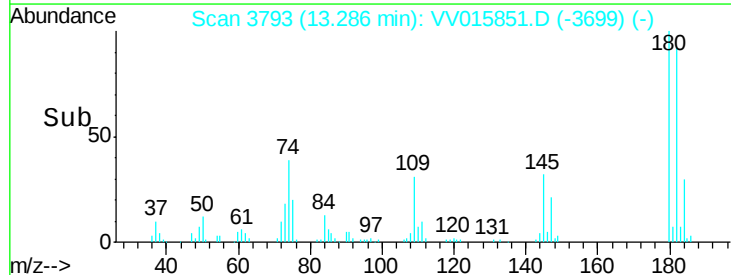
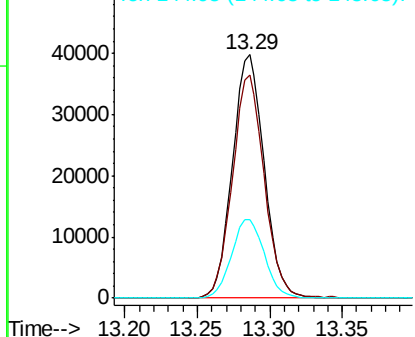


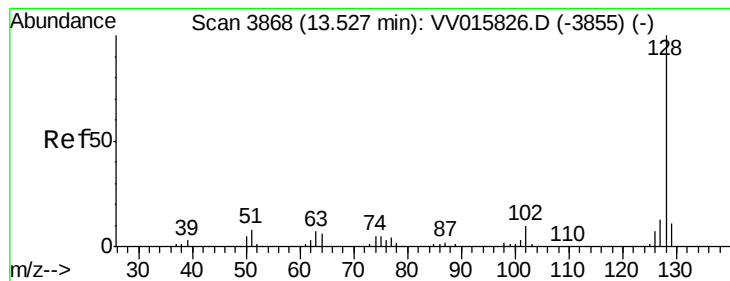
#68
 1,2,4-trichlorobenzene
 Concen: 4.692 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015851.D
 Acq: 01 May 2020 11:17

Tgt Ion:180 Resp: 60311
 Ion Ratio Lower Upper
 180 100
 182 91.9 74.8 112.2
 145 33.3 25.9 38.9



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: 4.386 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

Instrument :

MSVOA_V

ClientSampleId :

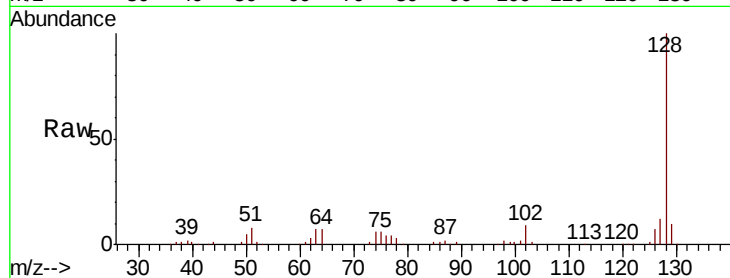
Tot Ion:128 Resp: 100895

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

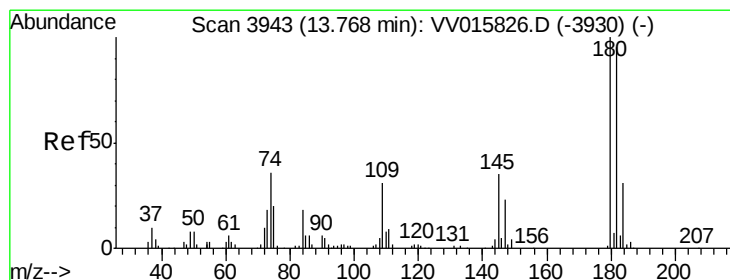
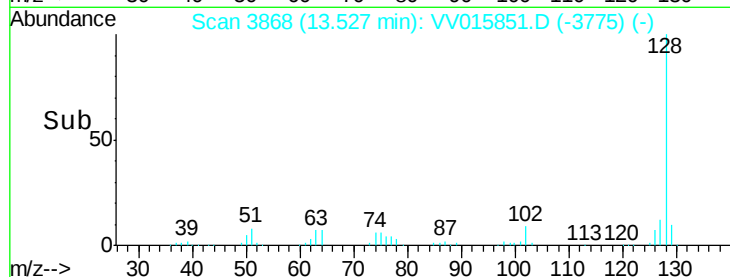
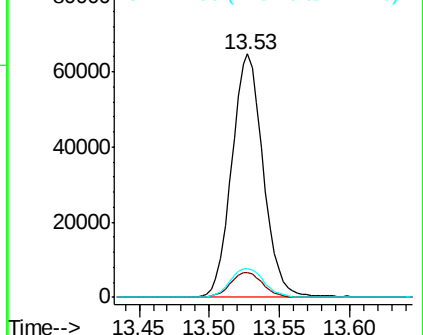
127 12.7 10.2 15.4



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: 4.908 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015851.D

Acq: 01 May 2020 11:17

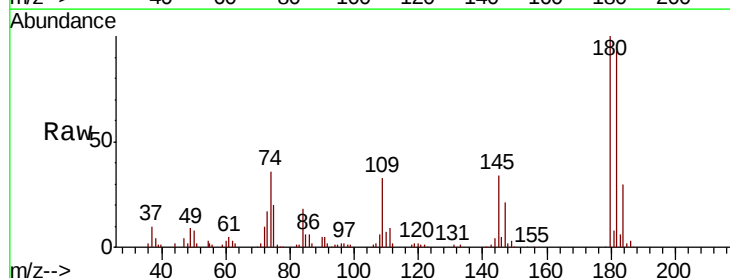
Tgt Ion:180 Resp: 55673

Ion Ratio Lower Upper

180 100

182 93.4 74.8 112.2

145 35.4 28.4 42.6



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

