

Data File : VV015111.D
Acq On : 24 Mar 2020 08:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Quant Time: Mar 25 00:24:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032320WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 24 10:01:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	854572	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	812170	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	405672	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	339906	43.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.12%
7) Chloroethane-d5	1.58	69	286176	42.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.66%
11) 1,1-Dichloroethene-d2	2.12	63	615768	46.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.46%
21) 2-Butanone-d5	4.19	46	540	0.10	ug/L	0.26
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.10%#
24) Chloroform-d	4.37	84	518512	43.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.90%
26) 1,2-Dichloroethane-d4	5.06	65	323253	42.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.10%
32) Benzene-d6	5.07	84	1063468	43.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.46%
36) 1,2-Dichloropropane-d6	6.09	67	332384	41.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.58%
41) Toluene-d8	7.33	98	1029639	45.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.28%
43) trans-1,3-Dichloropropene-	7.64	79	184131	43.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.62%
47) 2-Hexanone-d5	8.11	63	312648	77.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.29%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	460457	40.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.58%
64) 1,2-Dichlorobenzene-d4	11.65	152	384778	42.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.96%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	330854	51.028	ug/L	98
3) Chloromethane	1.25	50	365607	42.594	ug/L	99
5) Vinyl chloride	1.32	62	366671	45.005	ug/L	99
6) Bromomethane	1.53	94	230024	46.164	ug/L	99
8) Chloroethane	1.60	64	234600	37.500	ug/L	98
9) Trichlorofluoromethane	1.77	101	520575	50.697	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	278007	54.023	ug/L	99
12) 1,1-Dichloroethene	2.13	96	260146	46.988	ug/L	97
13) Acetone	2.22	43	333224	82.706	ug/L	97
14) Carbon disulfide	2.31	76	666409	46.854	ug/L	99
15) Methyl Acetate	2.46	43	294039	40.833	ug/L	99
16) Methylene chloride	2.52	84	280497	42.814	ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	254097	46.205	ug/L	95
18) Methyl tert-butyl Ether	2.79	73	893116	42.529	ug/L	98
19) 1,1-Dichloroethane	3.21	63	496104	44.187	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	293199	45.164	ug/L	99
22) 2-Butanone	4.02	43	468310	83.325	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	144102	44.670	ug/L	97
25) Chloroform	4.40	83	492539	44.041	ug/L	97
27) 1,2-Dichloroethane	5.15	62	377745	42.410	ug/L	99
29) Cyclohexane	4.70	56	459735	50.854	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	438084	46.064	ug/L	97
31) Carbon tetrachloride	4.85	117	384642	47.973	ug/L	99
33) Benzene	5.12	78	1092897	44.316	ug/L	100
34) Trichloroethene	5.94	95	281635	47.405	ug/L	98
35) Methylcyclohexane	6.15	83	483885	55.191	ug/L	99
37) 1,2-Dichloropropane	6.20	63	286214	43.077	ug/L	100
38) Bromodichloromethane	6.53	83	398532	43.581	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	493804	45.470	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	890781	81.014	ug/L	100
42) Toluene	7.41	91	1224192	46.597	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	445159	44.543	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	273134	43.088	ug/L	98
46) Tetrachloroethene	7.99	164	214313	51.746	ug/L	99
48) 2-Hexanone	8.16	43	716989	84.742	ug/L	99
49) Dibromochloromethane	8.27	129	318205	43.484	ug/L	99
50) 1,2-Dibromoethane	8.37	107	294552	42.293	ug/L	98
51) Chlorobenzene	8.90	112	793154	47.057	ug/L	99
52) Ethylbenzene	9.03	91	1401315	48.905	ug/L	100
53) m,p-Xylene	9.16	106	533542	49.192	ug/L	98
54) o-xylene	9.56	106	526840	47.019	ug/L	99
55) Styrene	9.58	104	910071	46.965	ug/L	99
56) Isopropylbenzene	9.95	105	1384062	50.046	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	457870	42.007	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	367625	41.735	ug/L	99
61) Bromoform	9.75	173	229679	41.318	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	620528	46.013	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	616610	45.232	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	613899	43.682	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	118425	37.858	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	452216	48.942	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	410385	46.765	ug/L	99
69) Naphthalene	13.53	128	718605	41.446	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	412032	45.577	ug/L	99

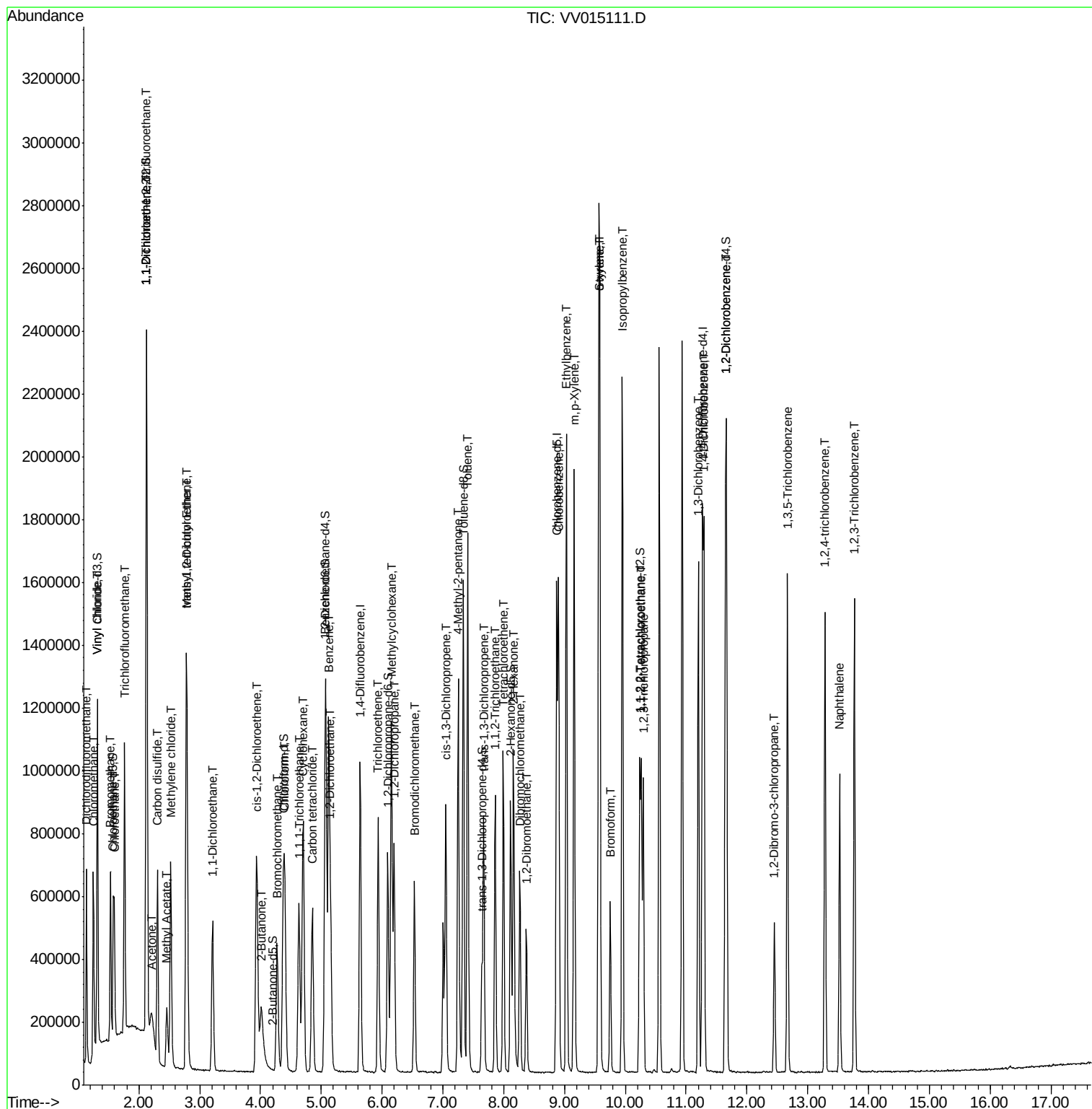
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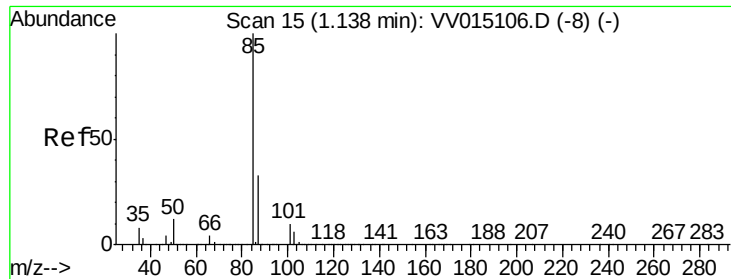
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#2

Dichlorodifluoromethane

Concen: 51.028 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

Instrument :

MSVOA_V

ClientSampleId :

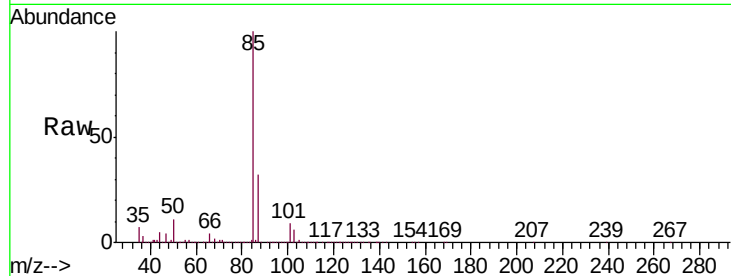
VSTD05070

Tgt Ion: 85 Resp: 330854

Ion Ratio Lower Upper

85 100

87 32.1 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VV015111.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV015111.D (-1) (-)

1.14

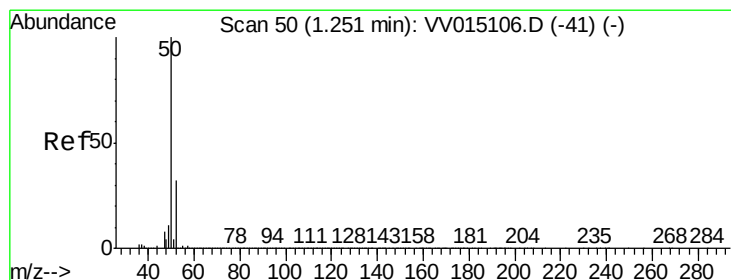
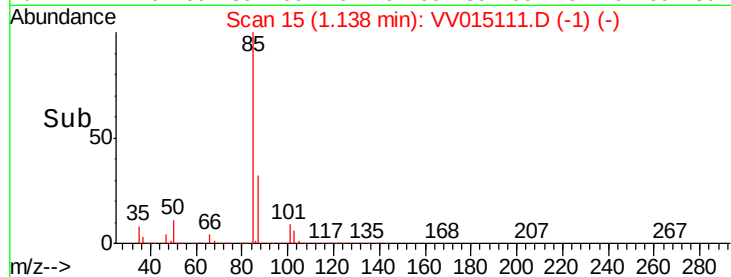
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 42.594 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015111.D

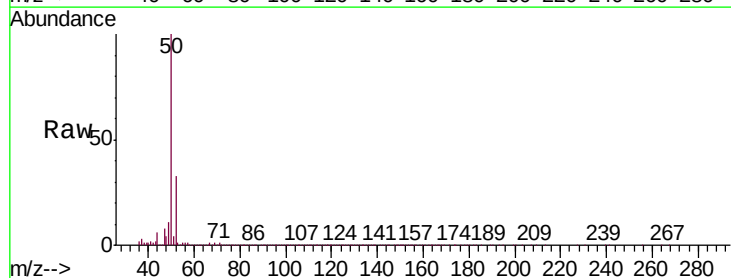
Acq: 24 Mar 2020 08:42

Tgt Ion: 50 Resp: 365607

Ion Ratio Lower Upper

50 100

52 33.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV015111.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV015111.D (-1) (-)

1.25

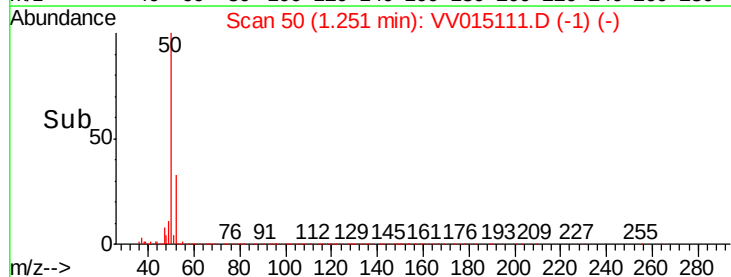
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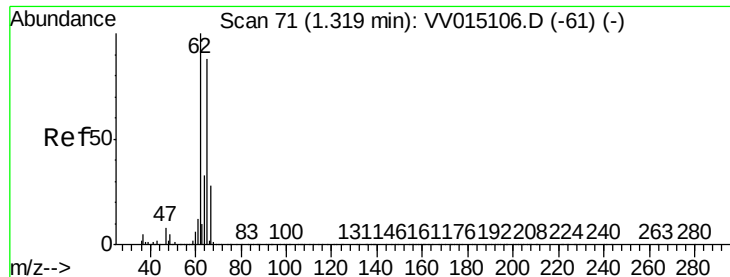
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 45.005 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

Instrument :

MSVOA_V

ClientSampleId :

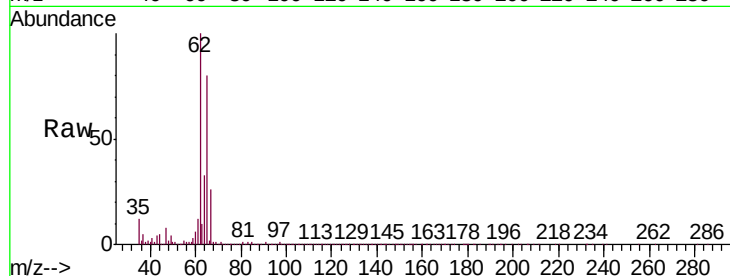
VSTD05070

Tgt Ion: 62 Resp: 366671

Ion Ratio Lower Upper

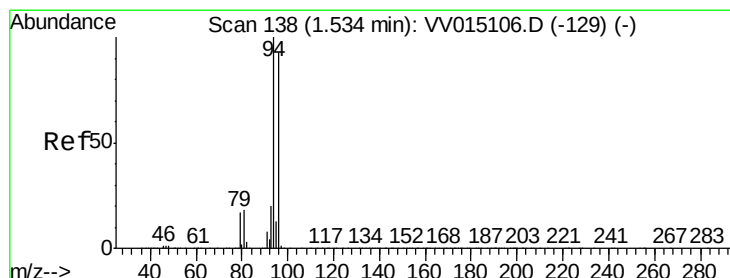
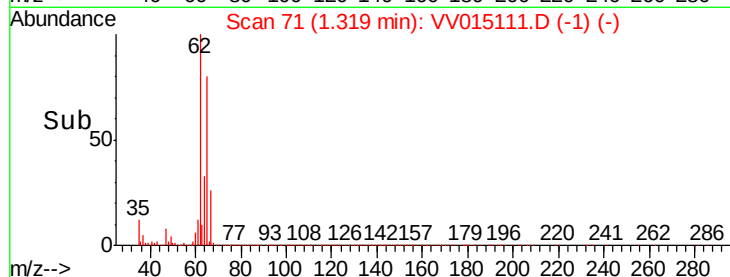
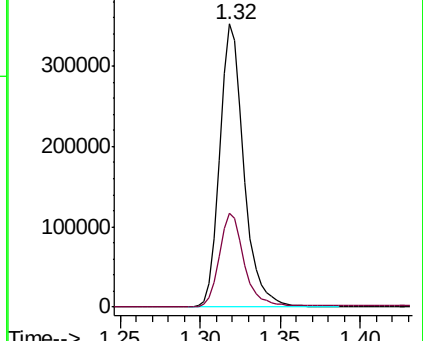
62 100

64 33.1 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 46.164 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015111.D

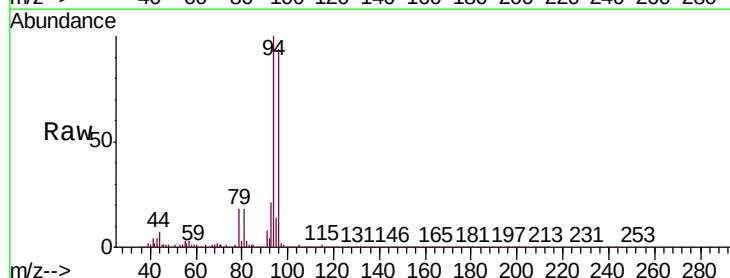
Acq: 24 Mar 2020 08:42

Tgt Ion: 94 Resp: 230024

Ion Ratio Lower Upper

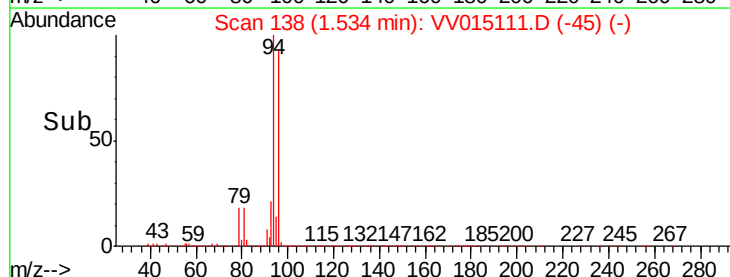
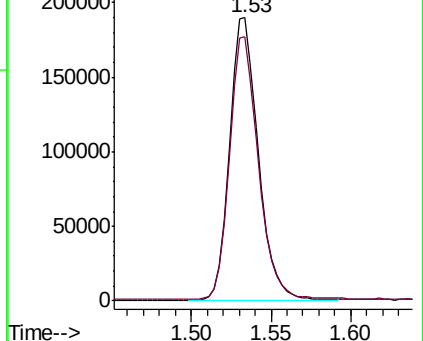
94 100

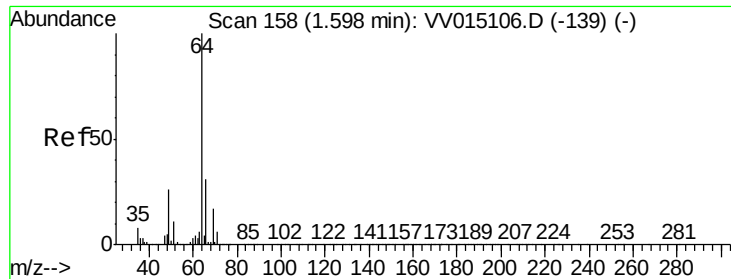
96 93.5 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

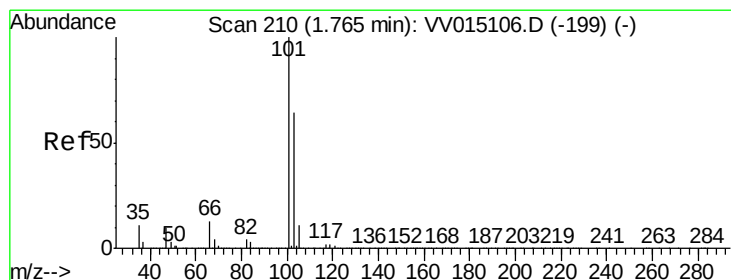
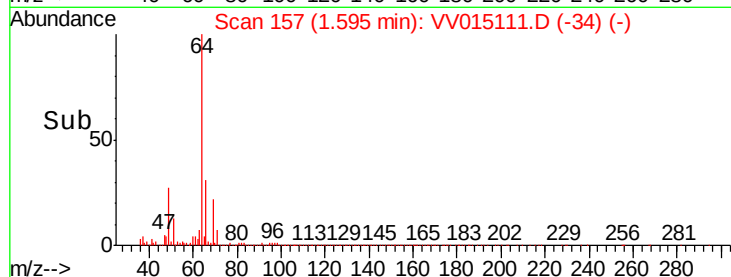
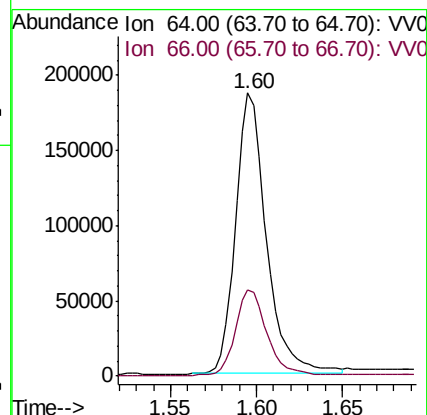
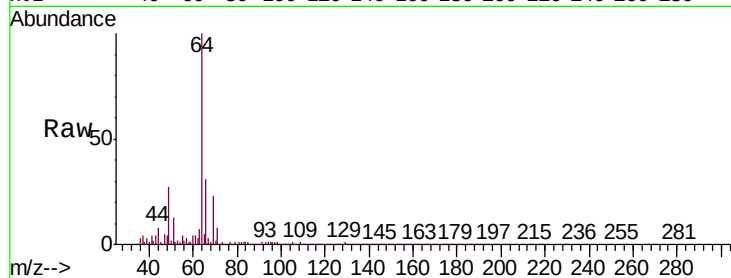




#8
Chloroethane
Concen: 37.500 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV015111.D
Acq: 24 Mar 2020 08:42

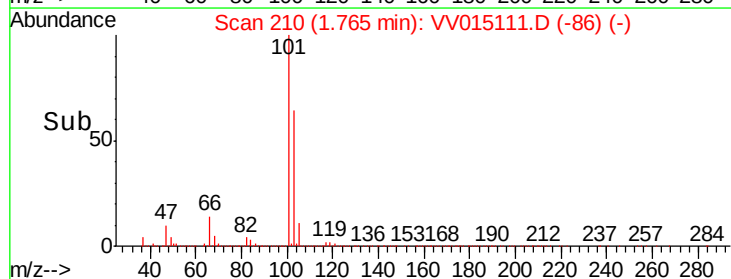
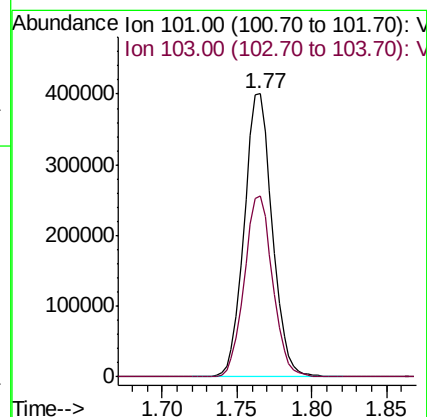
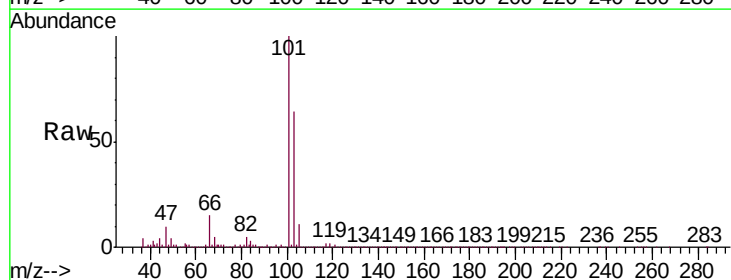
Instrument :
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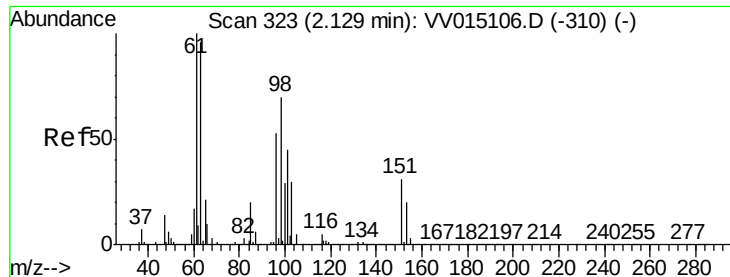
Tgt Ion: 64 Resp: 234600
Ion Ratio Lower Upper
64 100
66 30.7 22.0 41.0



#9
Trichlorofluoromethane
Concen: 50.697 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV015111.D
Acq: 24 Mar 2020 08:42

Tgt Ion: 101 Resp: 520575
Ion Ratio Lower Upper
101 100
103 64.4 52.0 78.0





#10

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

Concen: 54.023 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

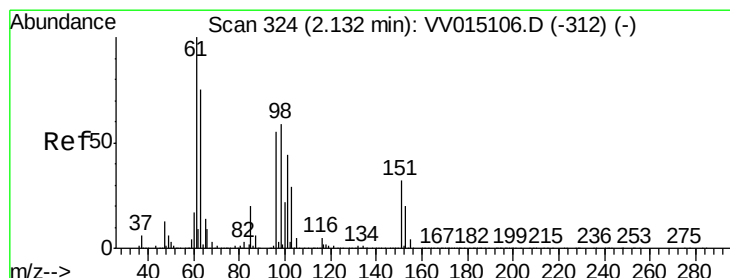
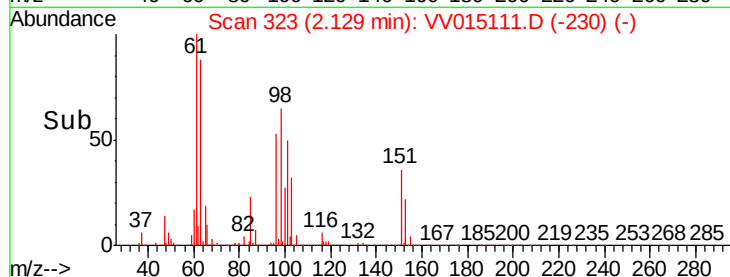
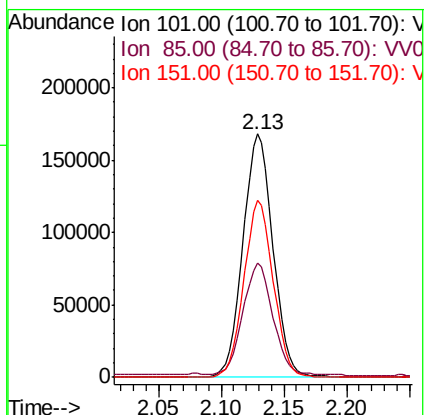
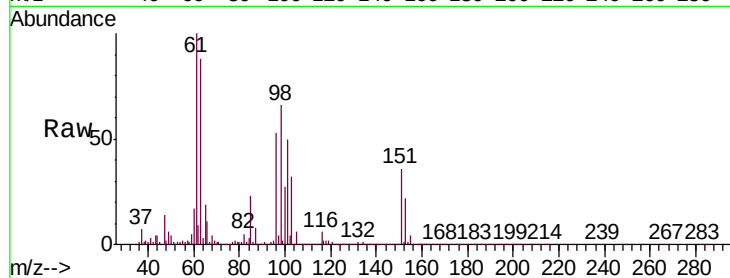
Tgt Ion: 101 Resp: 278007

Ion Ratio Lower Upper

101 100

85 45.4 37.2 55.8

151 71.4 56.3 84.5



#12

1,1-Dichloroethene

Concen: 46.988 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

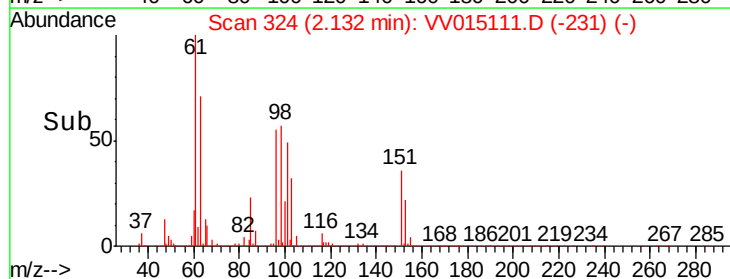
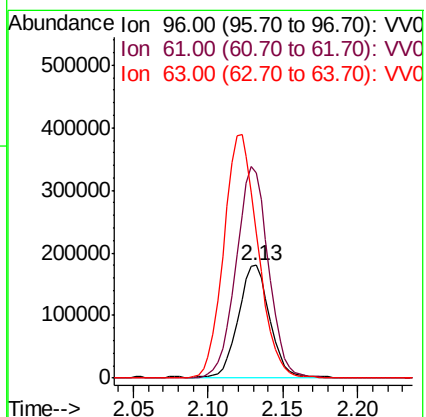
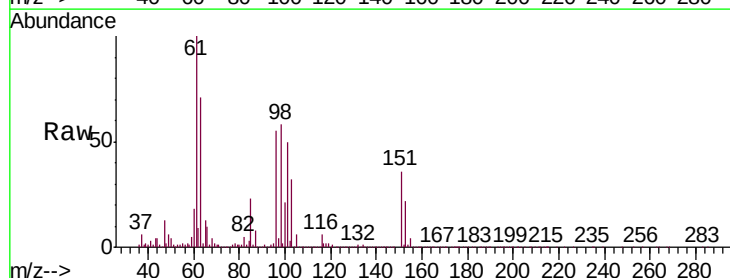
Tgt Ion: 96 Resp: 260146

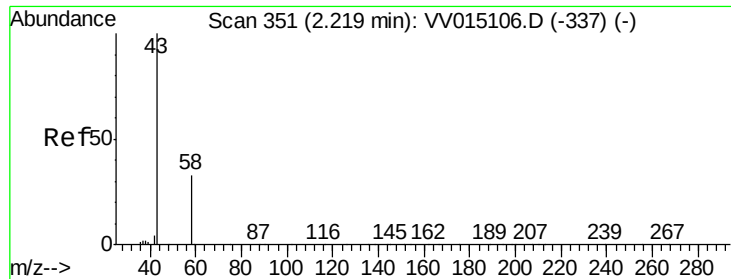
Ion Ratio Lower Upper

96 100

61 181.6 127.4 236.6

63 128.7 96.6 179.4





#13

Acetone

Concen: 82.706 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

Instrument :

MSVOA_V

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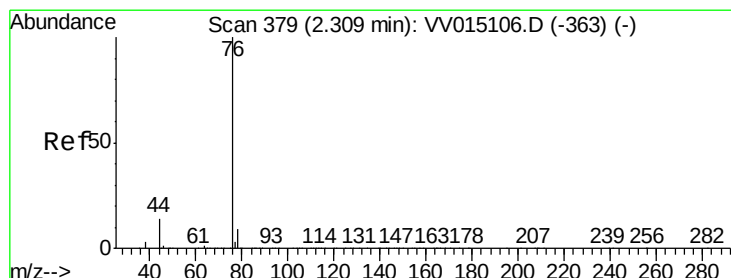
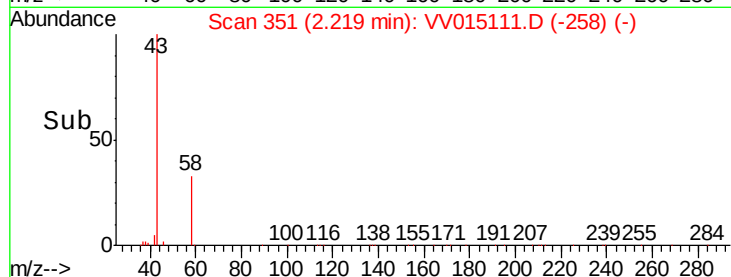
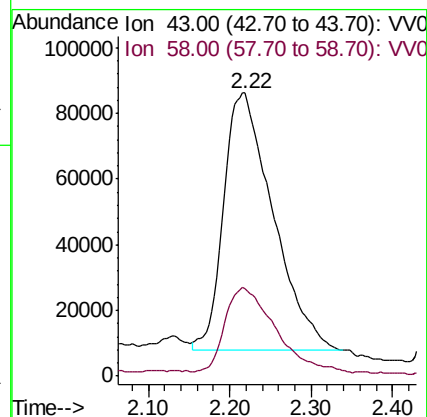
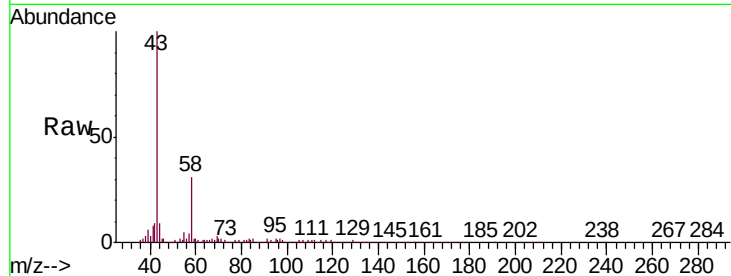
VSTD05070

Tgt Ion: 43 Resp: 333224

Ion Ratio Lower Upper

43 100

58 34.0 0.0 64.2



#14

Carbon disulfide

Concen: 46.854 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015111.D

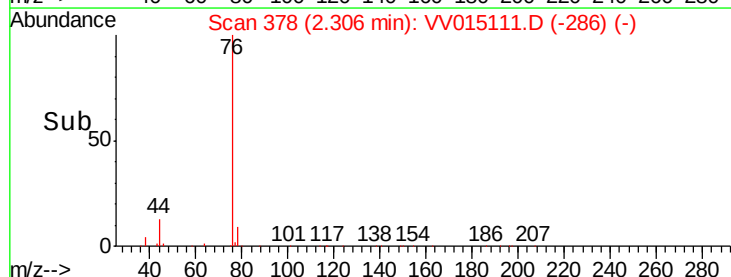
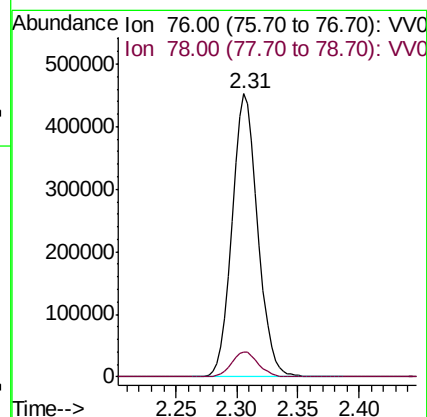
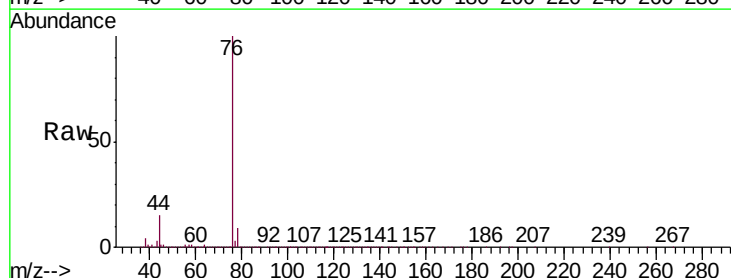
Acq: 24 Mar 2020 08:42

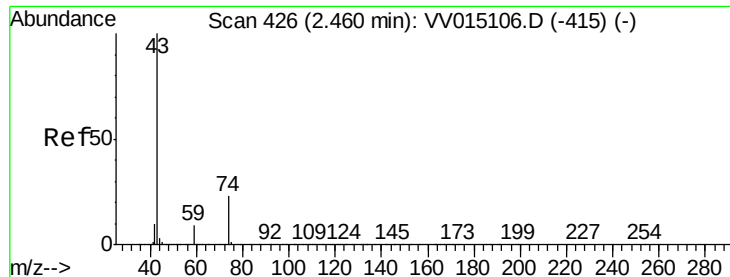
Tgt Ion: 76 Resp: 666409

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2

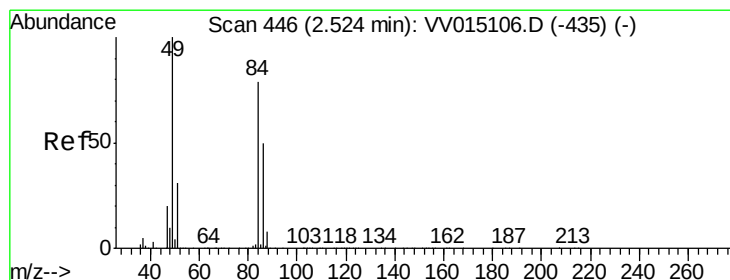
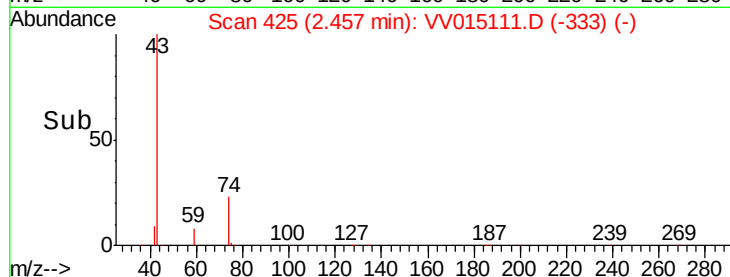
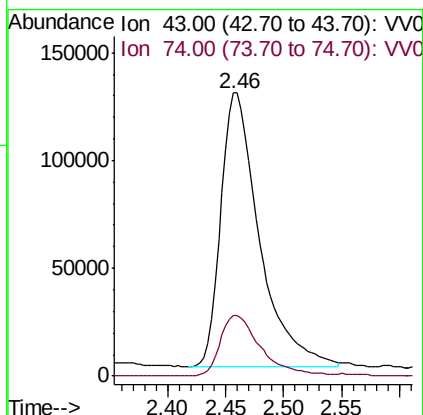
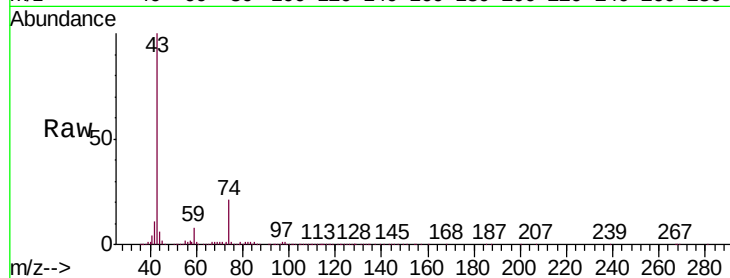




#15
Methyl Acetate
Concen: 40.833 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV015111.D
Acq: 24 Mar 2020 08:42

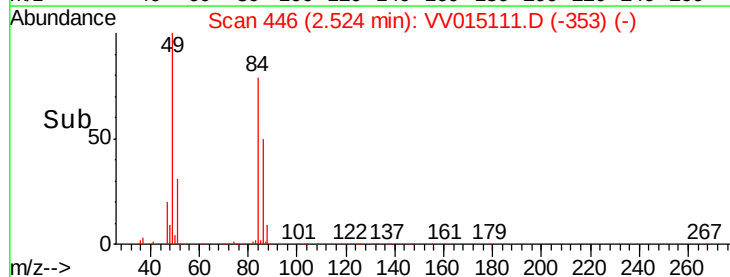
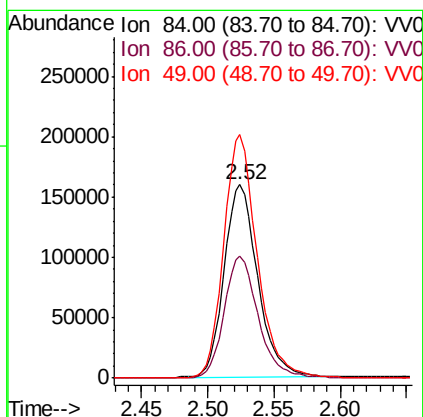
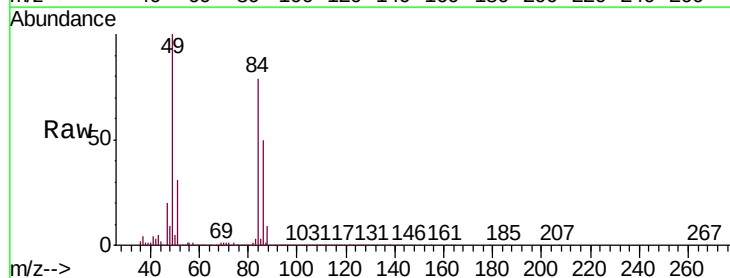
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

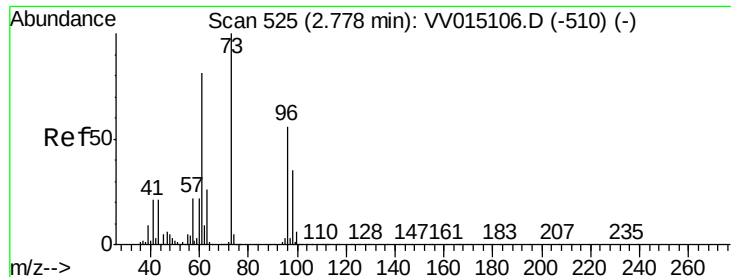
Tgt Ion: 43 Resp: 294039
Ion Ratio Lower Upper
43 100
74 22.9 18.8 28.2



#16
Methylene chloride
Concen: 42.814 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015111.D
Acq: 24 Mar 2020 08:42

Tgt Ion: 84 Resp: 280497
Ion Ratio Lower Upper
84 100
86 63.2 44.6 82.8
49 126.0 88.4 164.2





#17

trans-1,2-Dichloroethene

Concen: 46.205 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

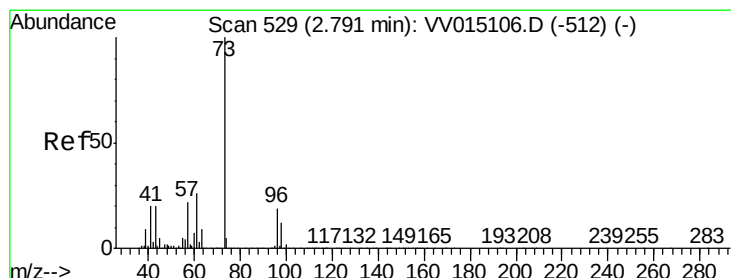
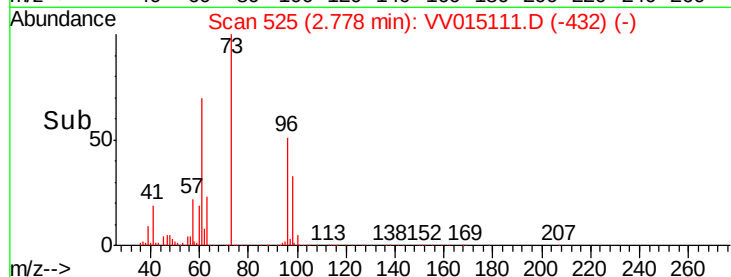
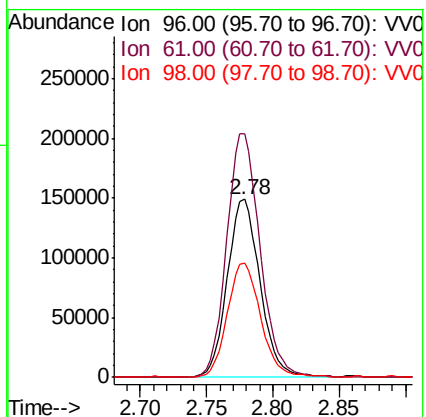
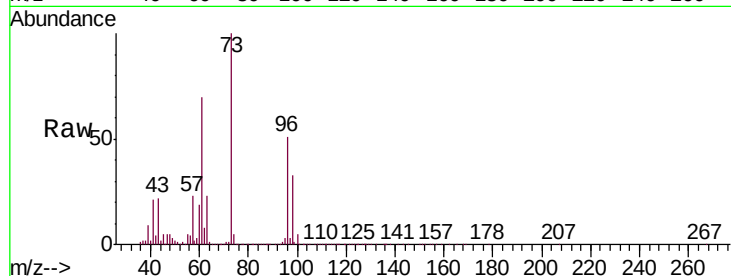
Tgt Ion: 96 Resp: 254097

Ion Ratio Lower Upper

96 100

61 136.8 101.7 188.9

98 64.2 44.5 82.7



#18

Methyl tert-butyl Ether

Concen: 42.529 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

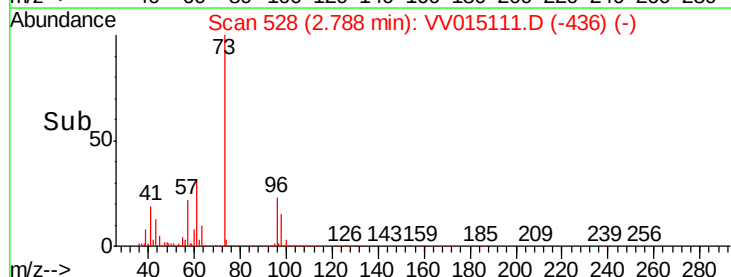
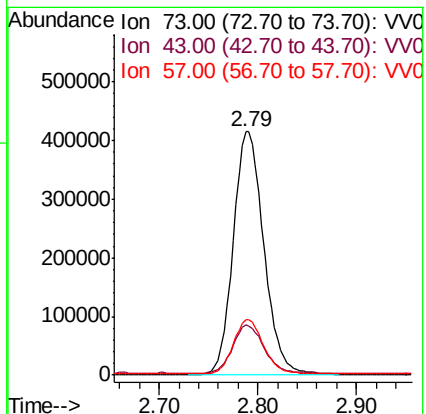
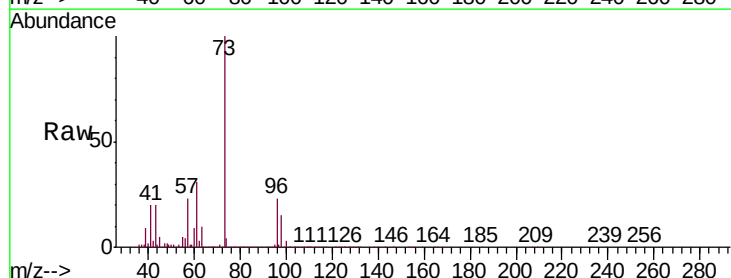
Tgt Ion: 73 Resp: 893116

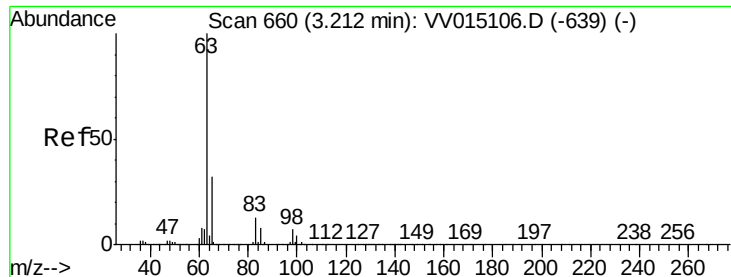
Ion Ratio Lower Upper

73 100

43 19.9 16.7 25.1

57 21.9 17.8 26.8

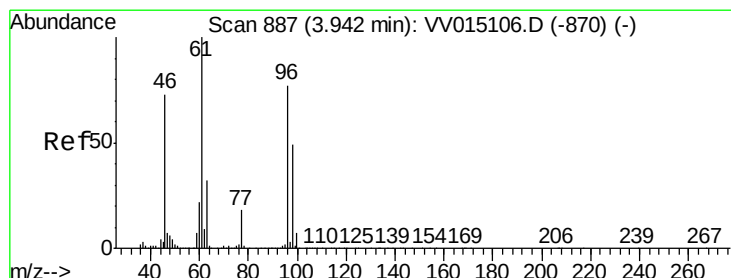
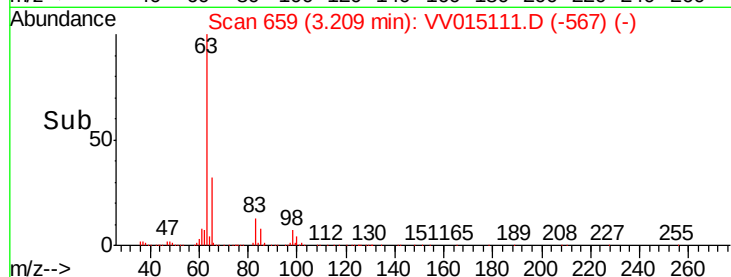
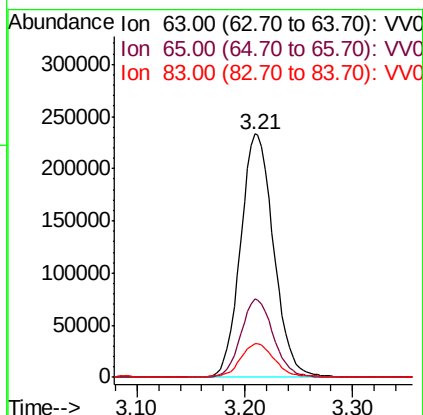
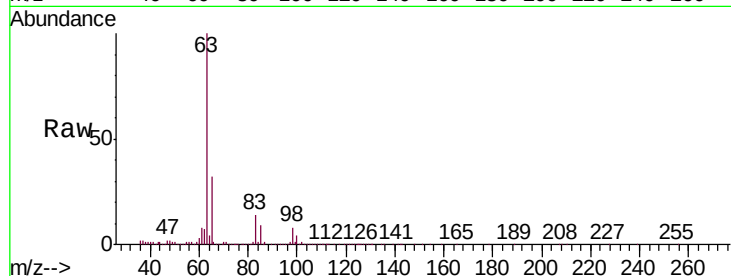




#19
 1,1-Dichloroethane
 Concen: 44.187 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV015111.D
 Acq: 24 Mar 2020 08:42

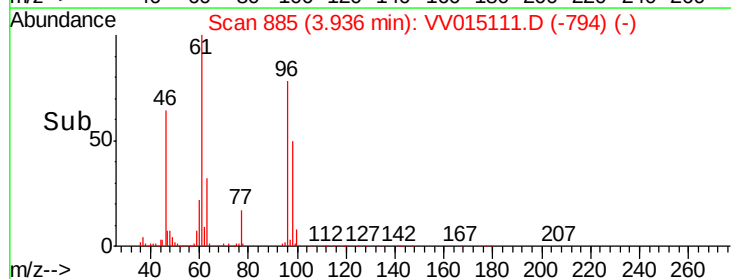
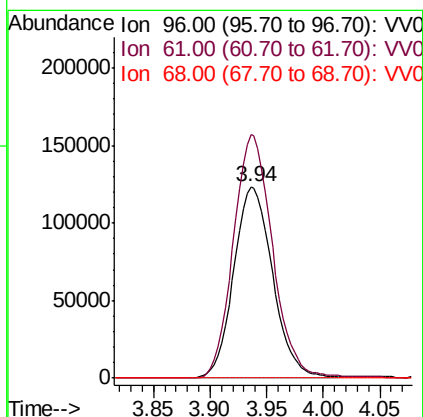
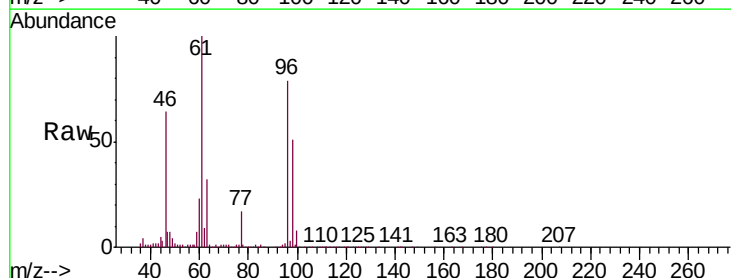
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

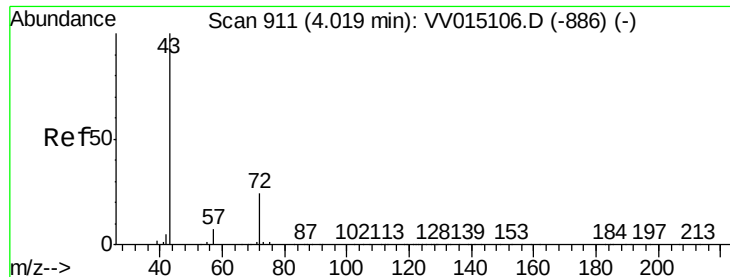
Tgt Ion:	63	Resp:	496104
Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.4	41.6
83	13.6	9.3	17.3



#20
 cis-1,2-Dichloroethene
 Concen: 45.164 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: VV015111.D
 Acq: 24 Mar 2020 08:42

Tgt Ion:	96	Resp:	293199
Ion	Ratio	Lower	Upper
96	100		
61	127.1	90.2	167.4
68	0.4	0.3	0.7





#22

2-Butanone

Concen: 83.325 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

Instrument :

MSVOA_V

ClientSampled :

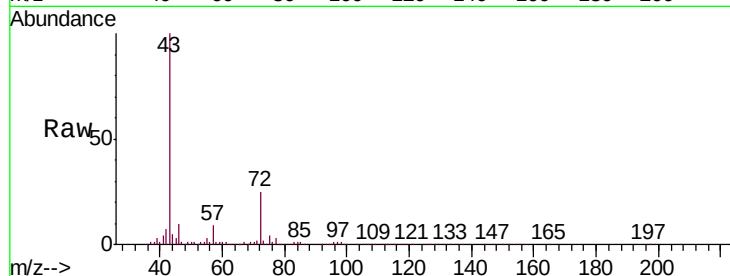
VSTD05070

Tgt Ion: 43 Resp: 468310

Ion Ratio Lower Upper

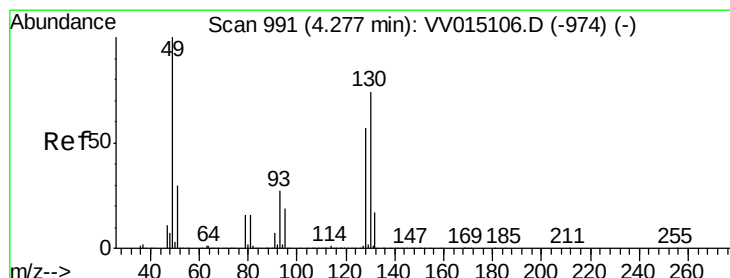
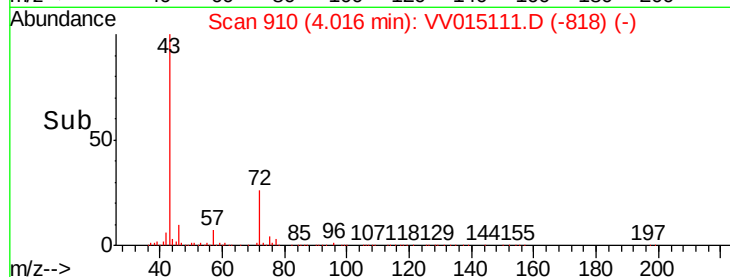
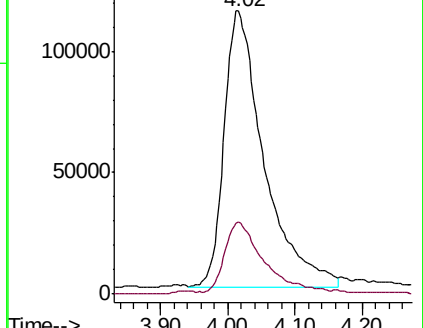
43 100

72 22.7 11.6 34.8



Abundance Ion 43.00 (42.70 to 43.70): VV015111.D (-818) (-)

Ion 72.00 (71.70 to 72.70): VV015111.D (-818) (-)



#23

Bromochloromethane

Concen: 44.670 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

Tgt Ion: 128 Resp: 144102

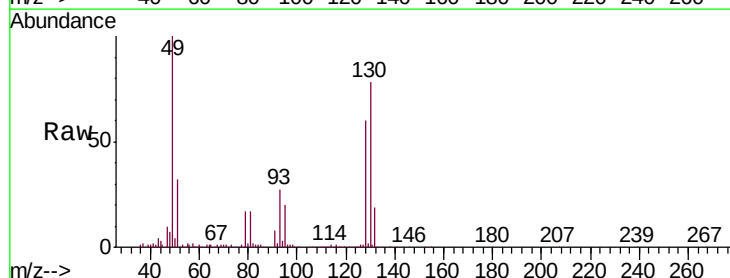
Ion Ratio Lower Upper

128 100

49 166.9 122.4 227.2

130 129.7 90.5 168.1

51 52.6 42.9 64.3

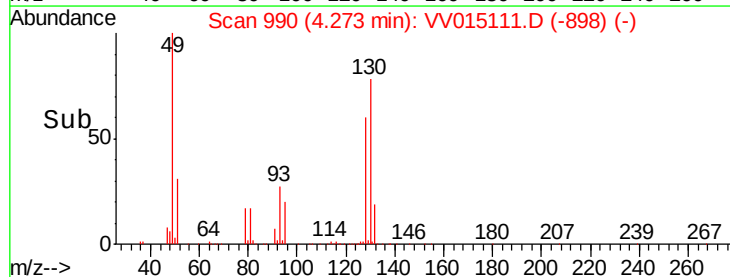
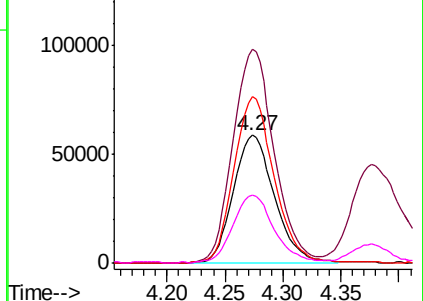


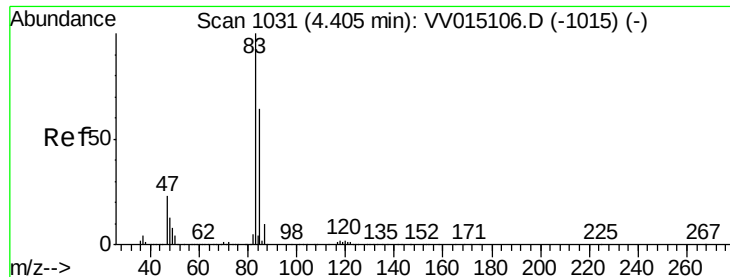
Abundance Ion 128.00 (127.70 to 128.70): VV015111.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV015111.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV015111.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV015111.D (-898) (-)

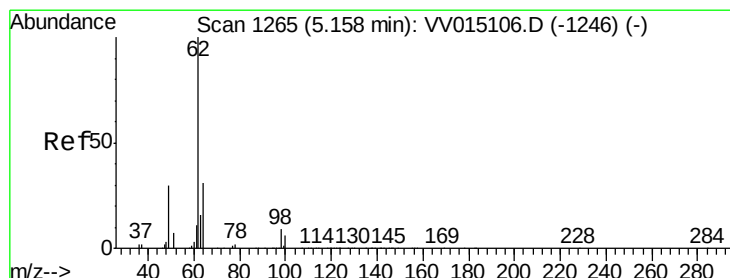
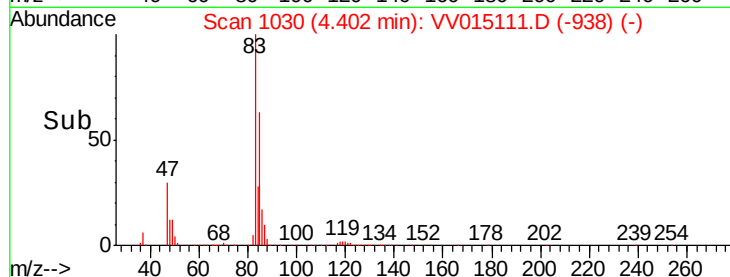
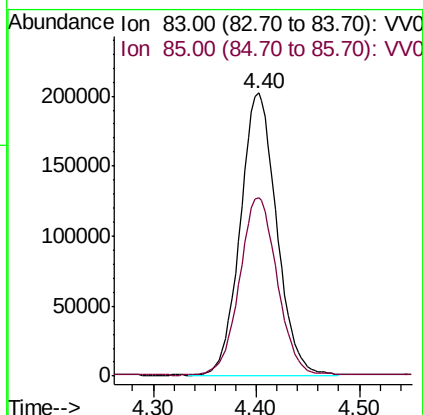
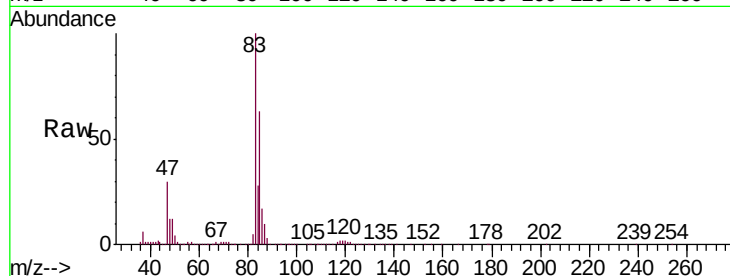




#25
Chloroform
Concen: 44.041 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015111.D
Acq: 24 Mar 2020 08:42

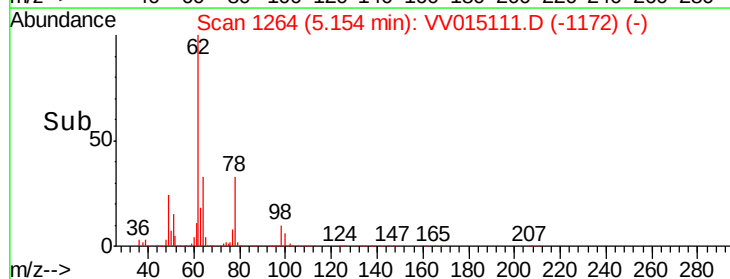
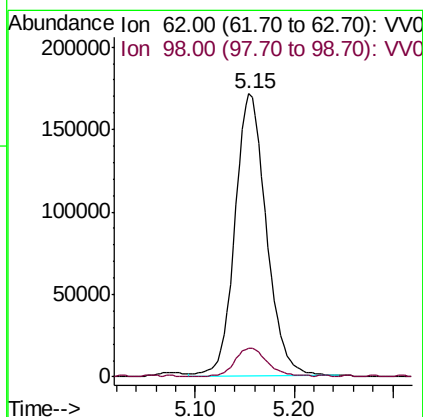
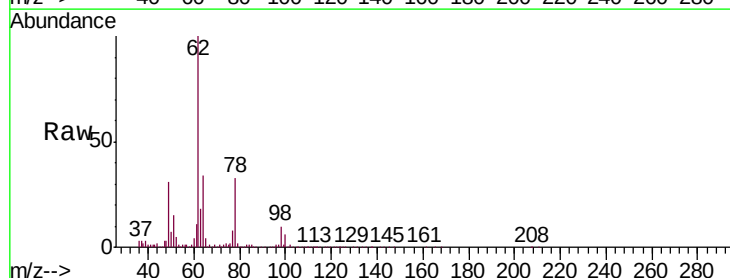
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

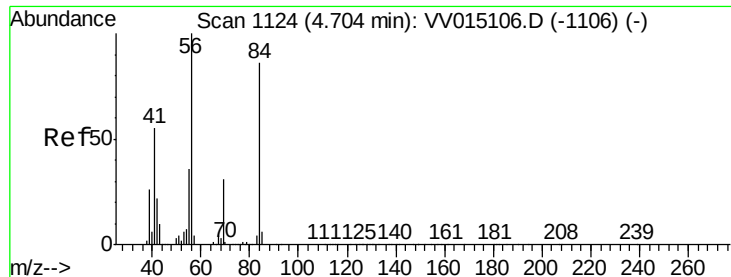
Tgt Ion: 83 Resp: 492539
Ion Ratio Lower Upper
83 100
85 63.3 45.8 85.0



#27
1,2-Dichloroethane
Concen: 42.410 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015111.D
Acq: 24 Mar 2020 08:42

Tgt Ion: 62 Resp: 377745
Ion Ratio Lower Upper
62 100
98 10.3 8.0 12.0

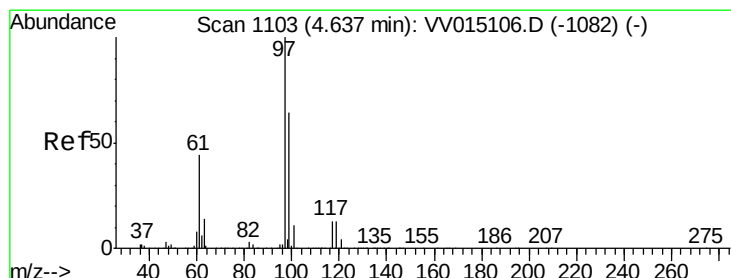
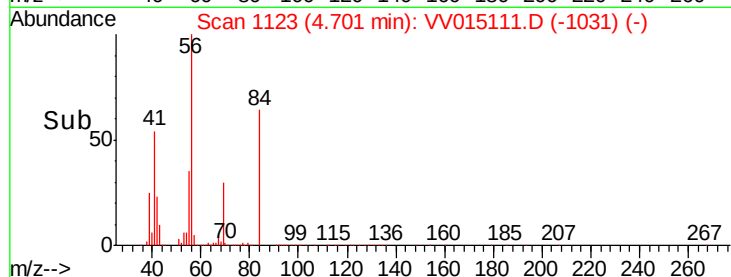
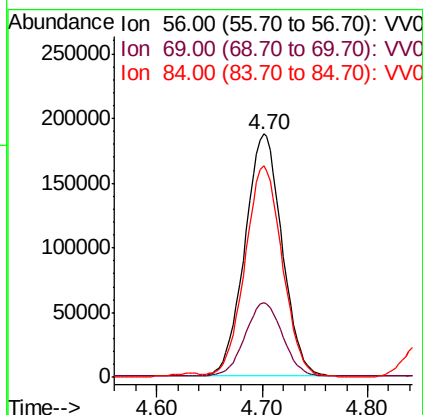
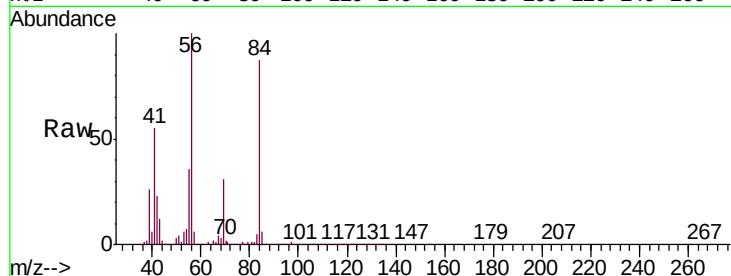




#29
Cyclohexane
Concen: 50.854 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV015111.D
Acq: 24 Mar 2020 08:42

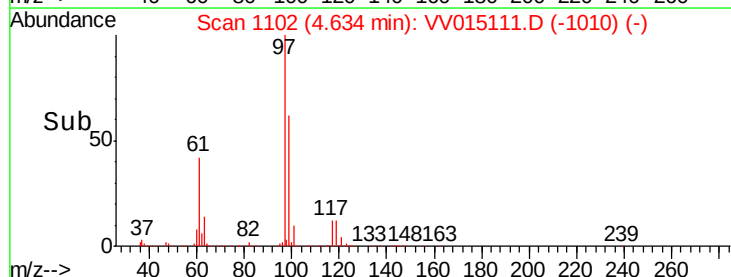
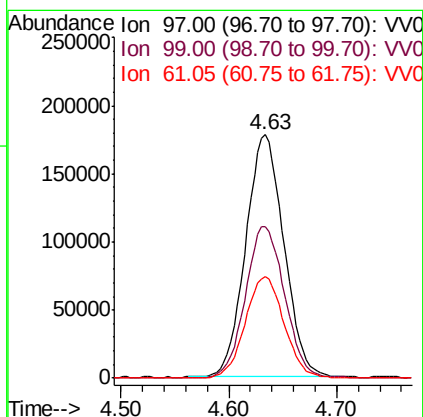
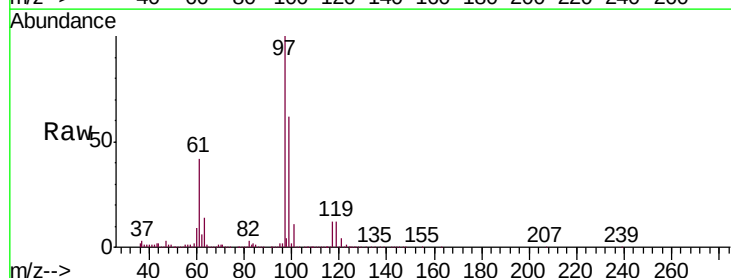
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

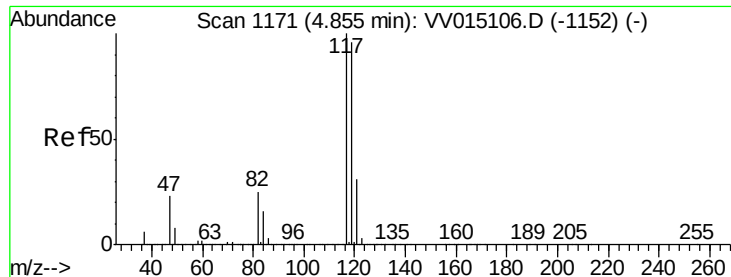
Tgt Ion: 56 Resp: 459735
Ion Ratio Lower Upper
56 100
69 30.5 24.8 37.2
84 86.9 68.9 103.3



#30
1,1,1-Trichloroethane
Concen: 46.064 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV015111.D
Acq: 24 Mar 2020 08:42

Tgt Ion: 97 Resp: 438084
Ion Ratio Lower Upper
97 100
99 63.7 52.4 78.6
61 42.2 35.3 52.9

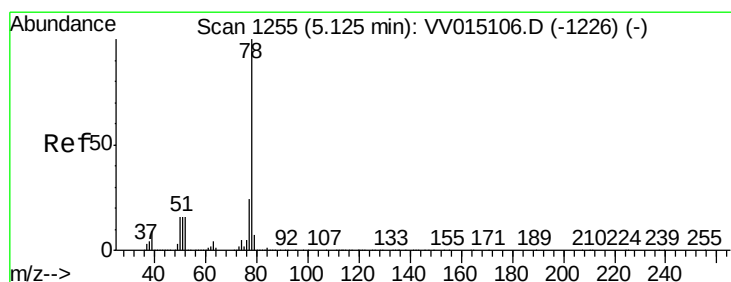
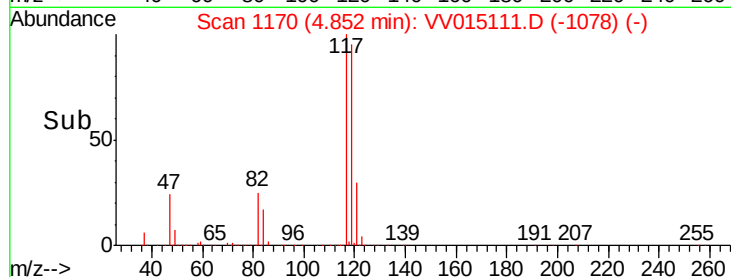
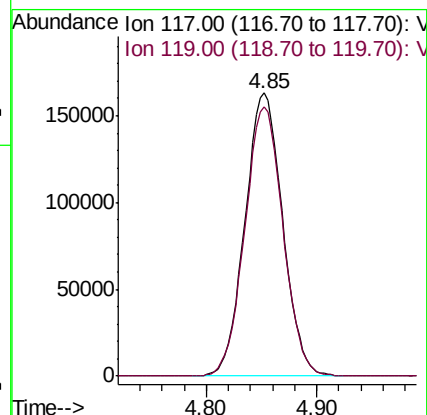
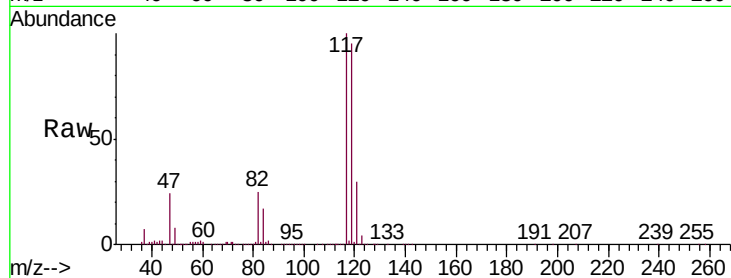




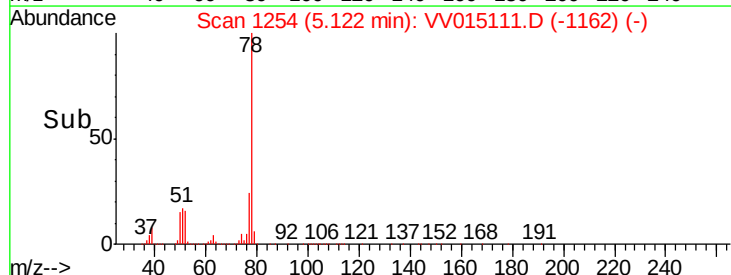
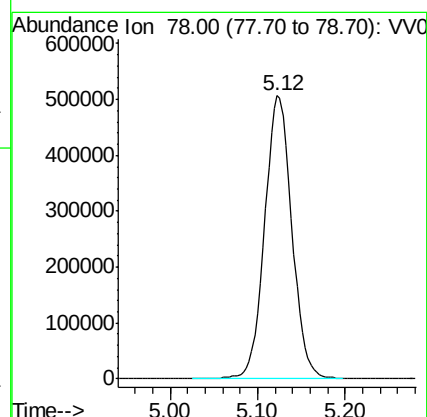
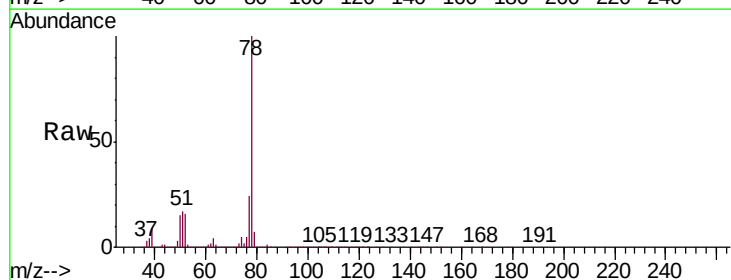
#31
Carbon tetrachloride
Concen: 47.973 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV015111.D
Acq: 24 Mar 2020 08:42

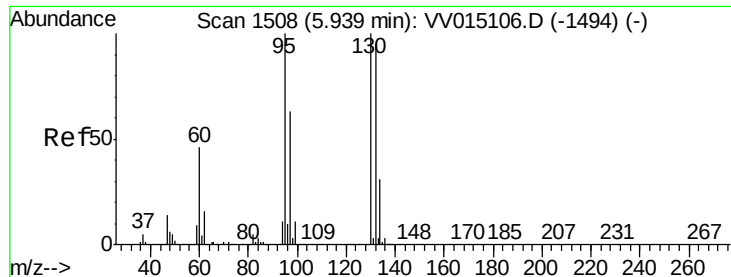
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tgt Ion:117 Resp: 384642
Ion Ratio Lower Upper
117 100
119 96.6 76.1 114.1



#33
Benzene
Concen: 44.316 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV015111.D
Acq: 24 Mar 2020 08:42
Tgt Ion: 78 Resp: 1092897





#34

Trichloroethene

Concen: 47.405 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

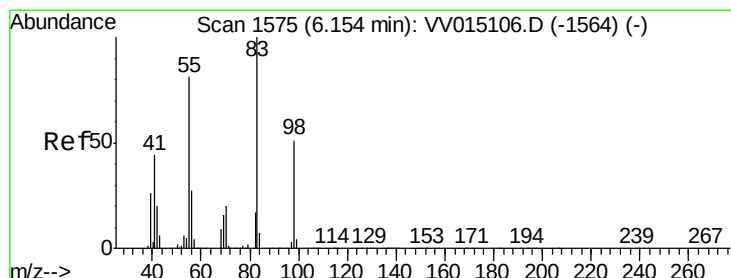
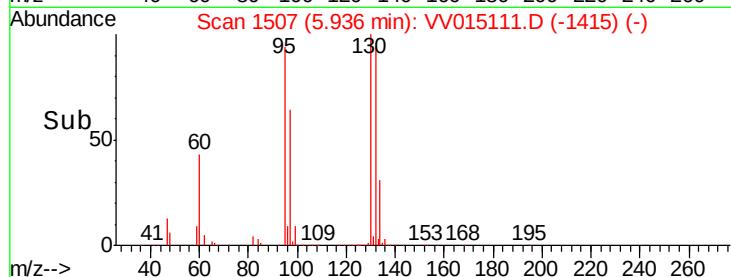
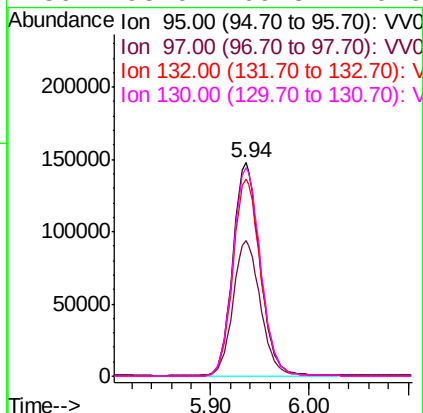
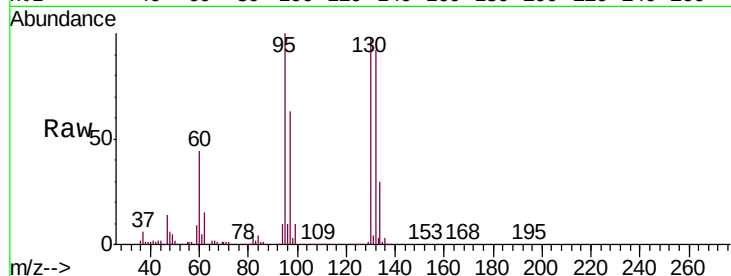
Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

Tgt Ion:	95	Resp:	281635
Ion	Ratio	Lower	Upper
95	100		
97	63.3	45.0	83.6
132	92.4	66.4	123.2
130	98.0	69.8	129.6



#35

Methylcyclohexane

Concen: 55.191 ug/L

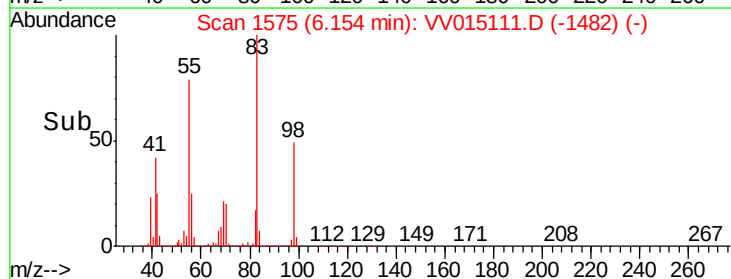
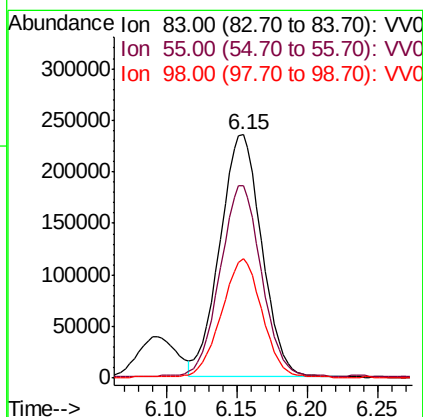
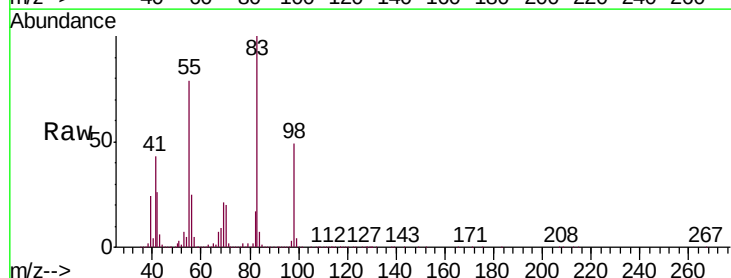
RT: 6.15 min Scan# 1575

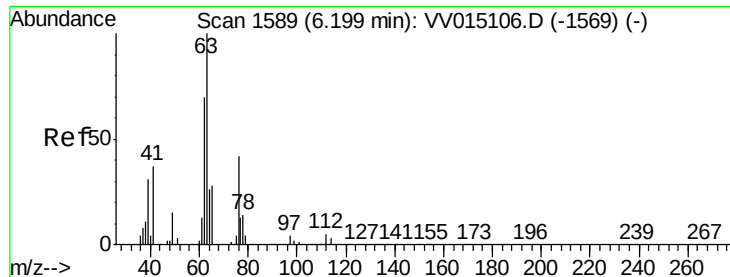
Delta R.T. 0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

Tgt Ion:	83	Resp:	483885
Ion	Ratio	Lower	Upper
83	100		
55	78.1	61.8	92.8
98	48.3	38.1	57.1

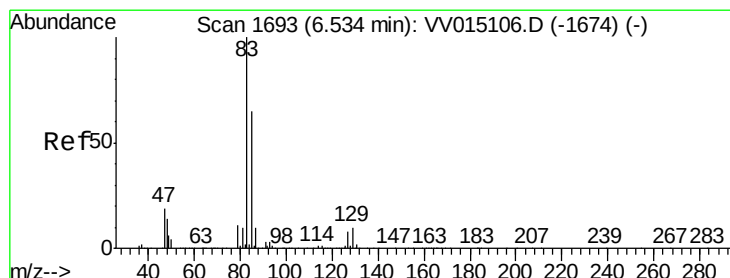
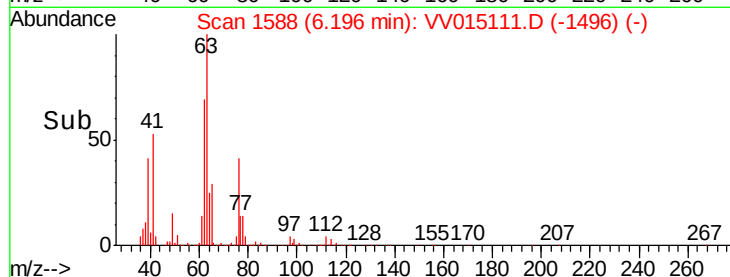
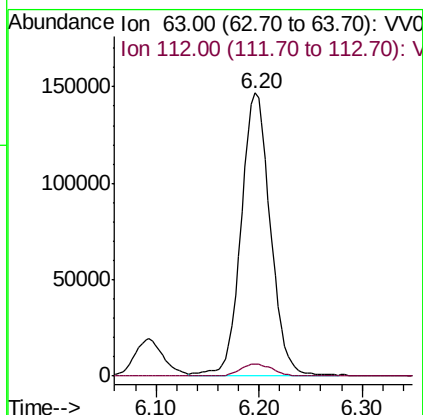
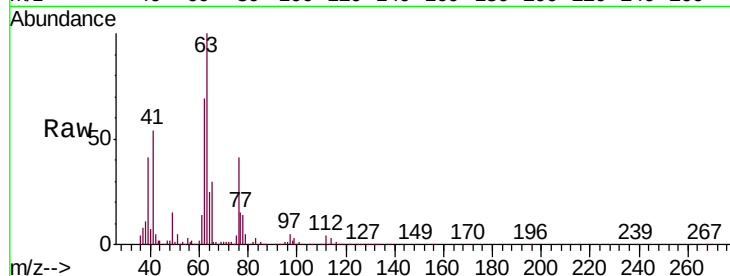




#37
 1,2-Dichloropropane
 Concen: 43.077 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015111.D
 Acq: 24 Mar 2020 08:42

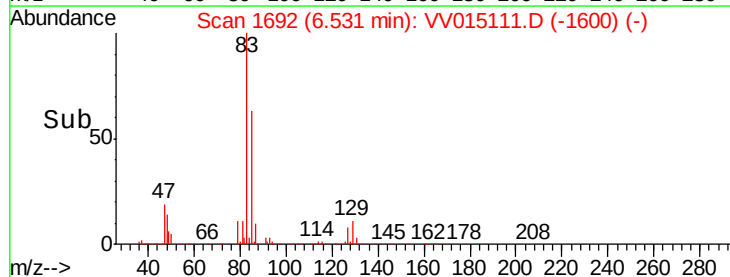
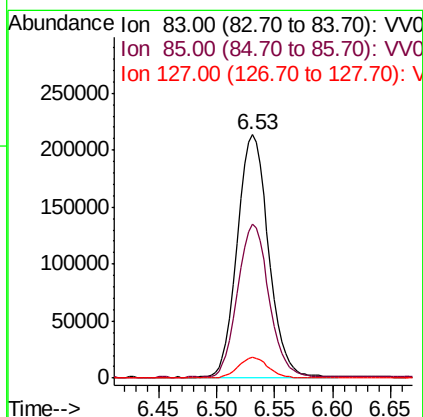
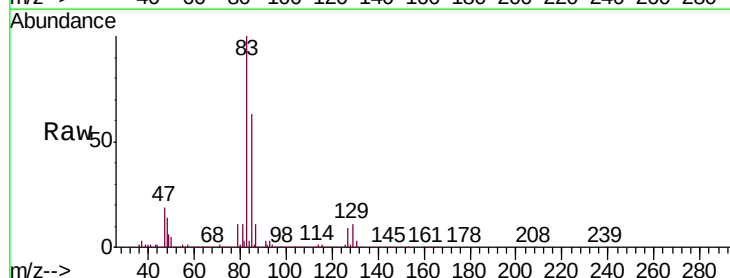
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

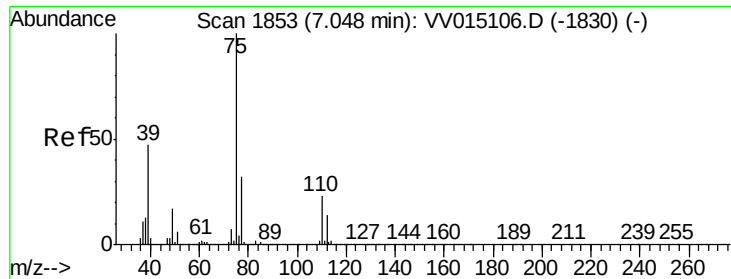
Tgt Ion: 63 Resp: 286214
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.6 5.4



#38
 Bromodichloromethane
 Concen: 43.581 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV015111.D
 Acq: 24 Mar 2020 08:42

Tgt Ion: 83 Resp: 398532
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.6 84.8
 127 8.5 6.5 9.7

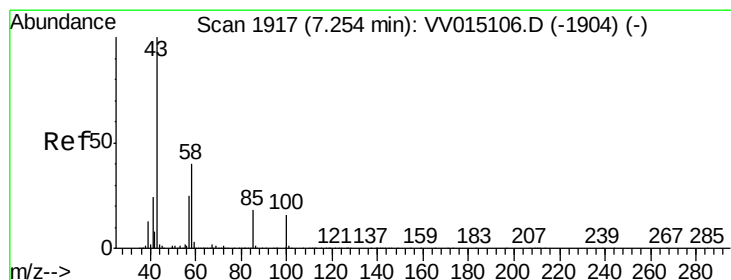
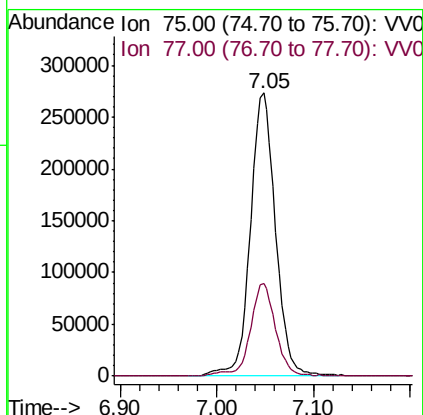
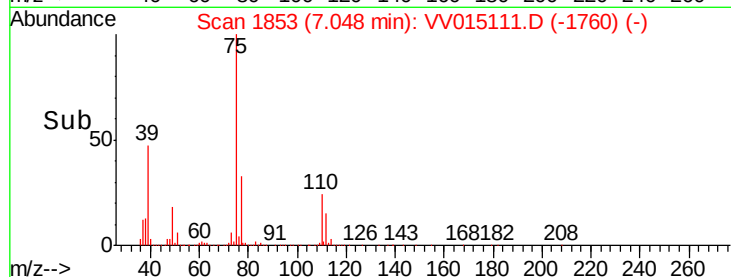
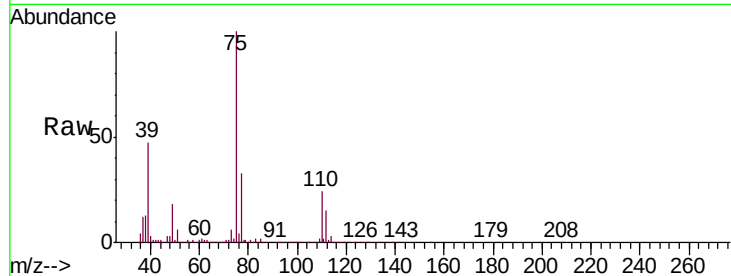




#39
 cis-1,3-Dichloropropene
 Concen: 45.470 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015111.D
 Acq: 24 Mar 2020 08:42

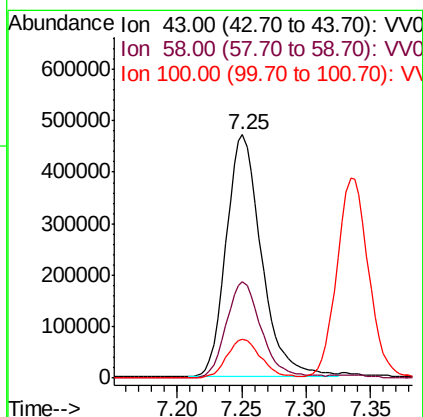
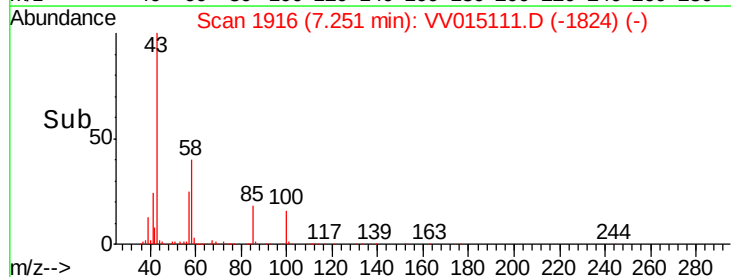
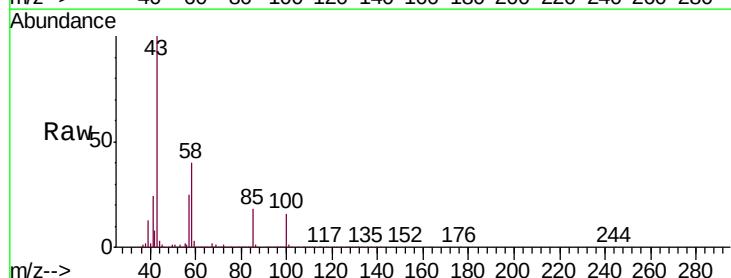
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

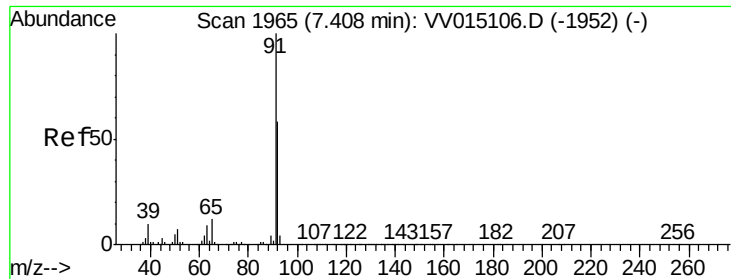
Tgt Ion: 75 Resp: 493804
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 81.014 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV015111.D
 Acq: 24 Mar 2020 08:42

Tgt Ion: 43 Resp: 890781
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.8 47.8
 100 15.8 12.2 18.4





#42

Toluene

Concen: 46.597 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

Instrument :

MSVOA_V

ClientSampleId :

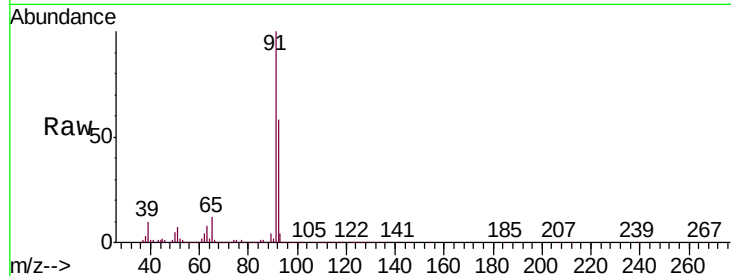
VSTD05070

Tgt Ion: 91 Resp: 1224192

Ion Ratio Lower Upper

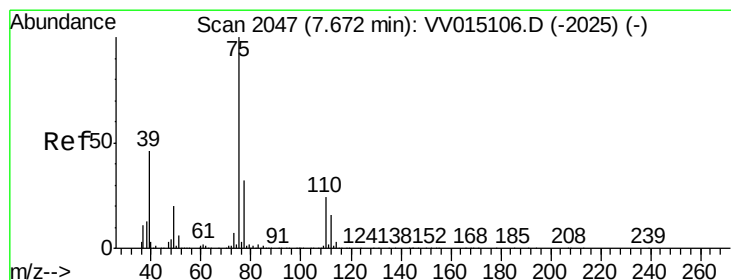
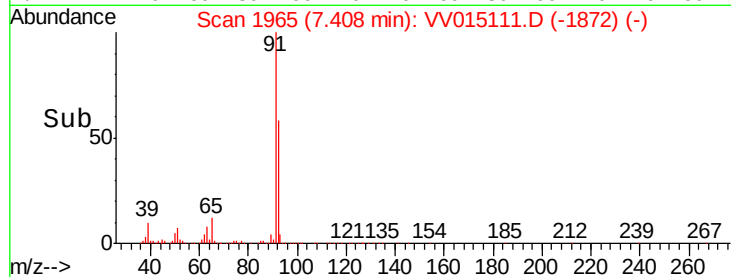
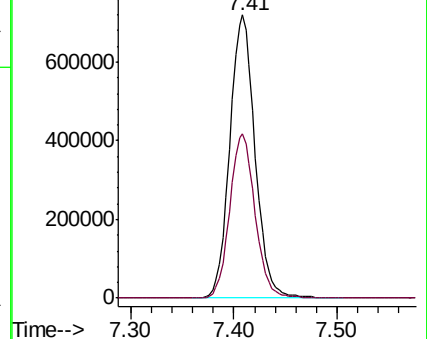
91 100

92 58.0 40.3 74.8



Abundance Ion 91.00 (90.70 to 91.70): VV015106.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV015106.D (-1952) (-)



#44

trans-1,3-Dichloropropene

Concen: 44.543 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015111.D

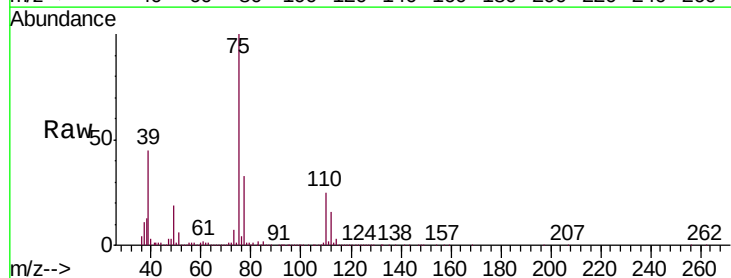
Acq: 24 Mar 2020 08:42

Tgt Ion: 75 Resp: 445159

Ion Ratio Lower Upper

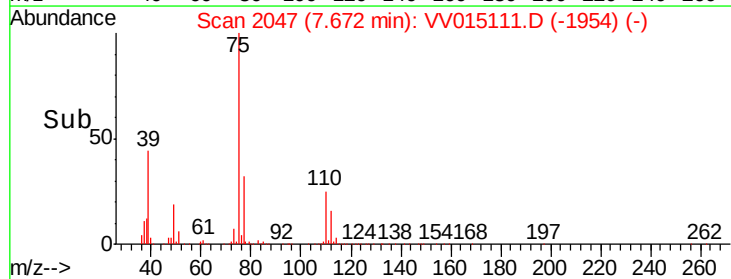
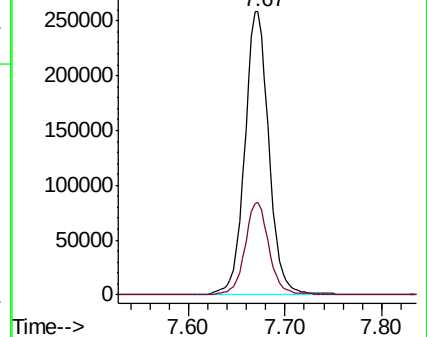
75 100

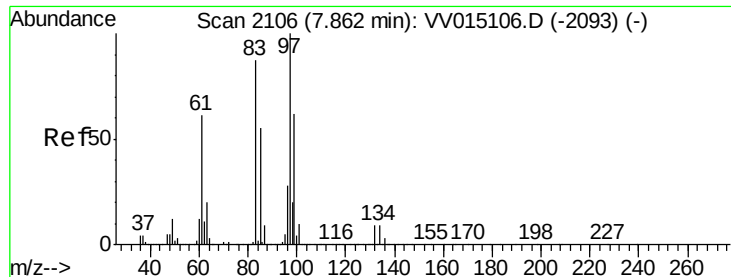
77 32.6 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV015106.D (-2025) (-)

Ion 77.00 (76.70 to 77.70): VV015106.D (-2025) (-)





#45

1,1,2-Trichloroethane

Concen: 43.088 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

Tgt Ion: 97 Resp: 273134

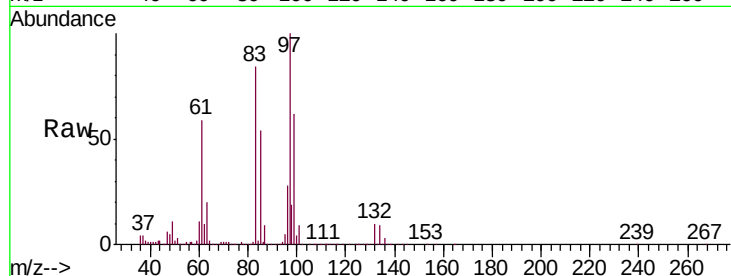
Ion Ratio Lower Upper

97 100

99 61.6 43.8 81.3

83 84.0 61.0 113.4

85 53.7 38.7 71.9

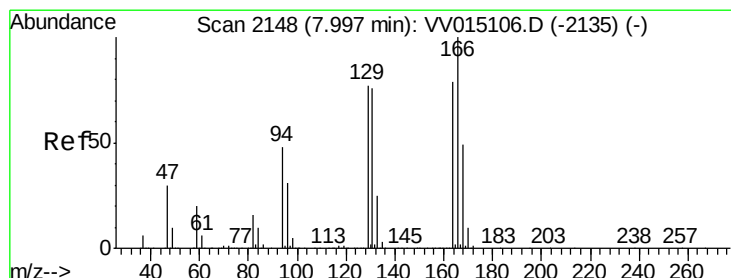
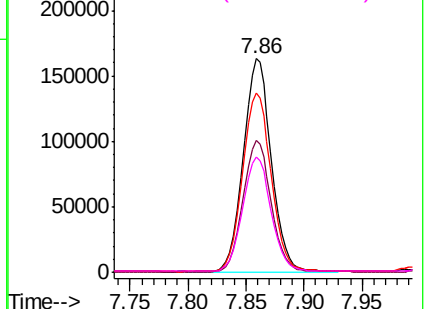
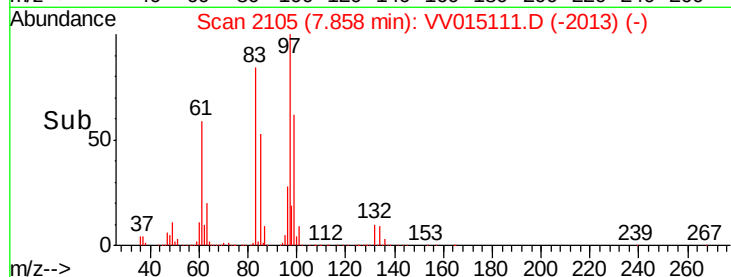


Abundance Ion 97.00 (96.70 to 97.70): VV015111.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV015111.D (-2093) (-)

Ion 83.00 (82.70 to 83.70): VV015111.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV015111.D (-2093) (-)



#46

Tetrachloroethene

Concen: 51.746 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

Tgt Ion: 164 Resp: 214313

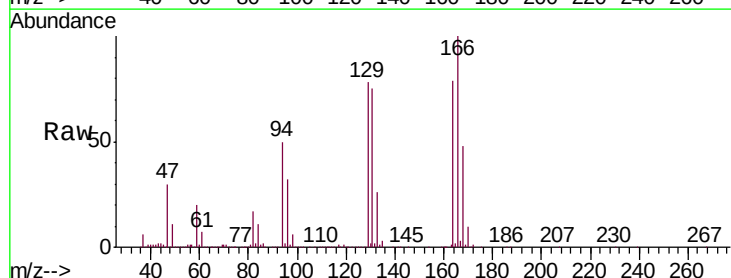
Ion Ratio Lower Upper

164 100

129 98.9 68.3 126.8

131 94.5 67.3 125.1

166 126.4 88.1 163.7

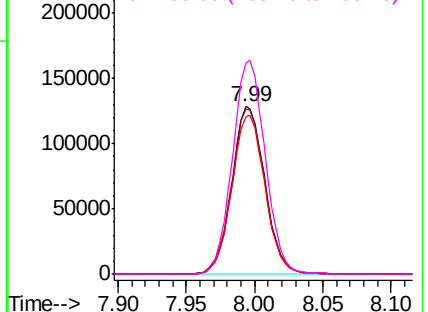
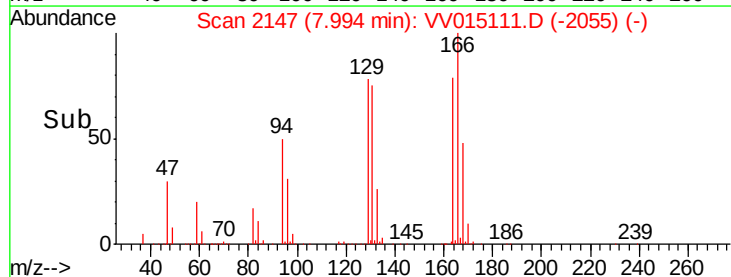


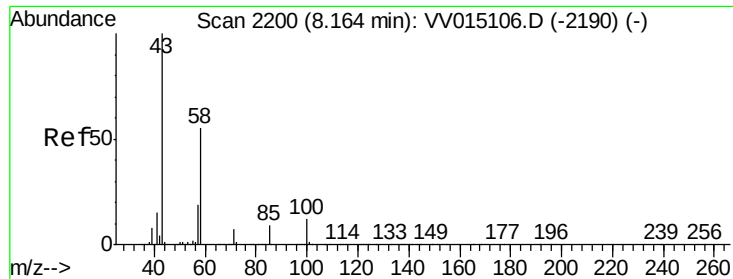
Abundance Ion 164.00 (163.70 to 164.70): VV015111.D (-2055) (-)

Ion 129.00 (128.70 to 129.70): VV015111.D (-2055) (-)

Ion 131.00 (130.70 to 131.70): VV015111.D (-2055) (-)

Ion 166.00 (165.70 to 166.70): VV015111.D (-2055) (-)

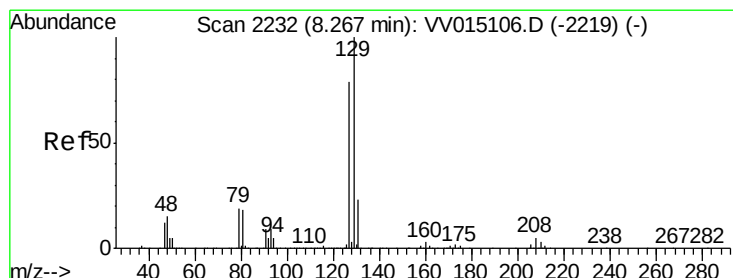
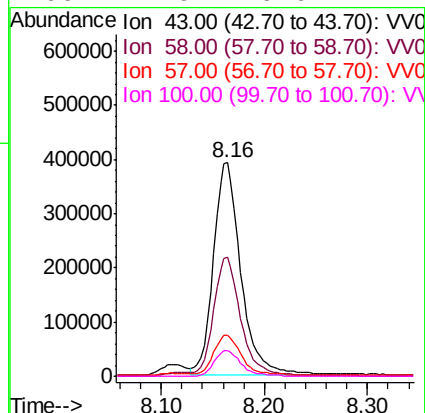
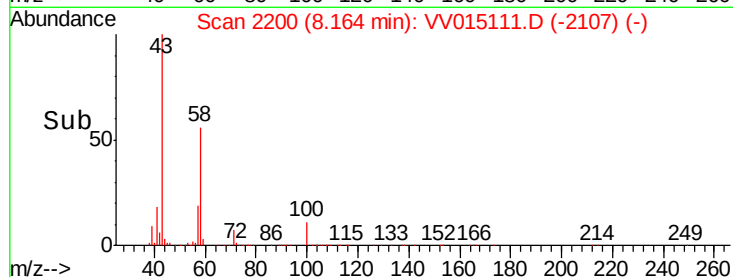
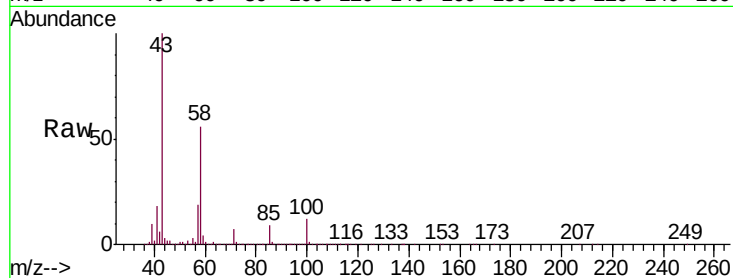




#48
2-Hexanone
Concen: 84.742 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015111.D
Acq: 24 Mar 2020 08:42

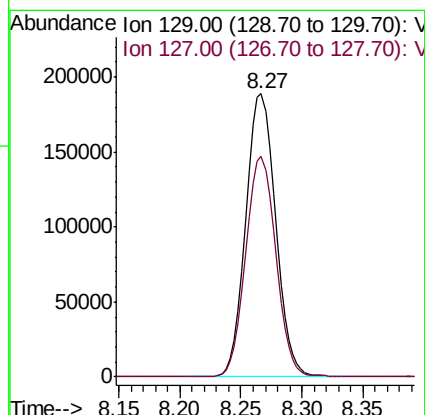
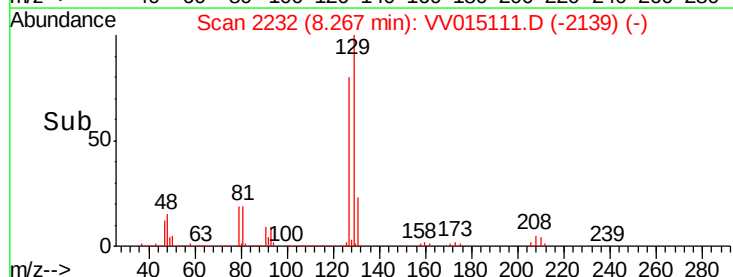
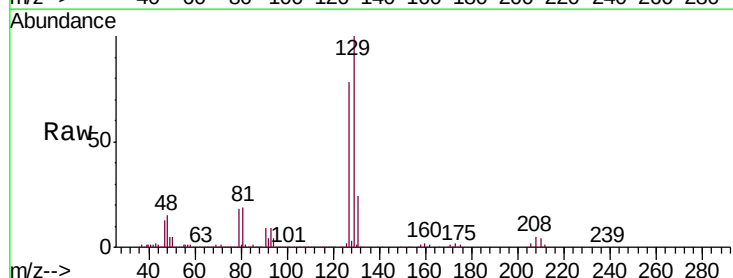
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

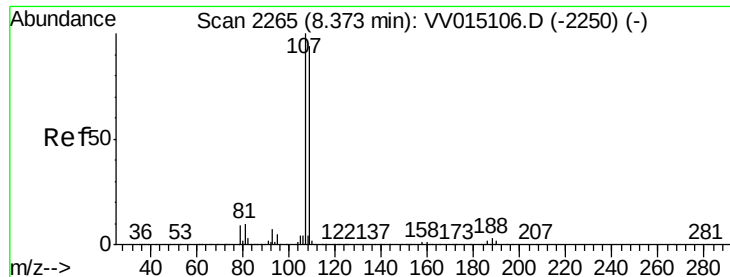
Tgt Ion:	43	Resp:	716989
Ion	Ratio	Lower	Upper
43	100		
58	55.5	44.2	66.2
57	18.1	14.0	21.0
100	11.9	9.6	14.4



#49
Dibromochloromethane
Concen: 43.484 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015111.D
Acq: 24 Mar 2020 08:42

Tgt Ion:	129	Resp:	318205
Ion	Ratio	Lower	Upper
129	100		
127	78.0	55.2	102.6

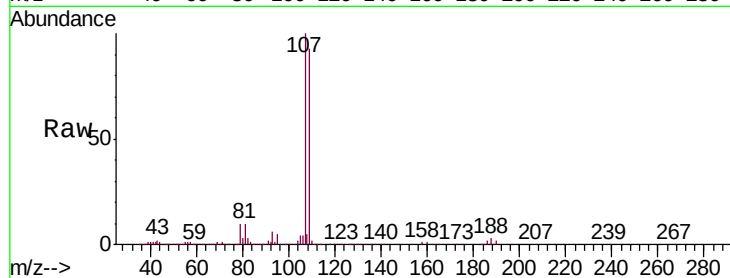




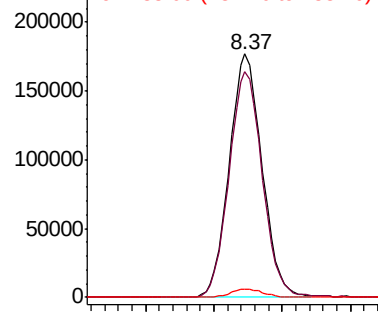
#50
 1,2-Dibromoethane
 Concen: 42.293 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV015111.D
 Acq: 24 Mar 2020 08:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

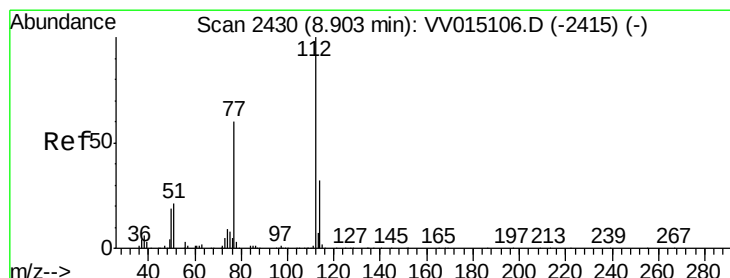
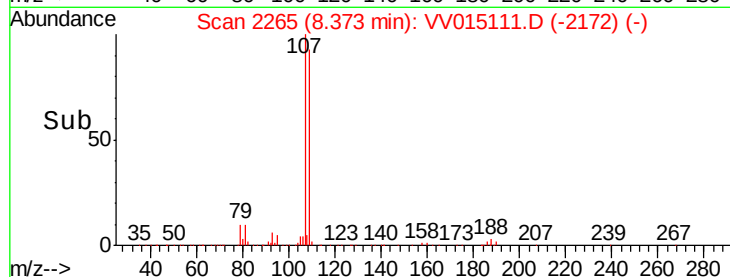
Tgt Ion:	107	Resp:	294552
Ion	Ratio	Lower	Upper
107	100		
109	92.6	65.9	122.5
188	3.2	2.4	3.6



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

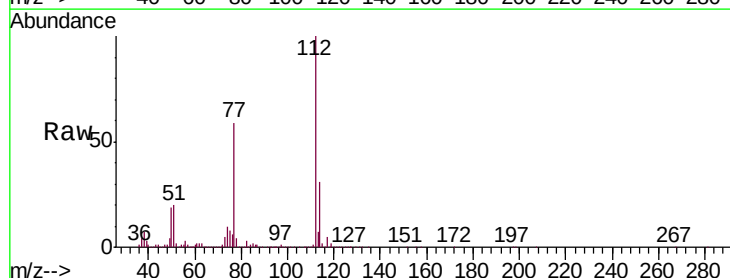


Time-->

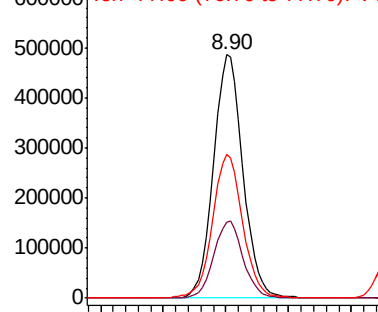


#51
 Chlorobenzene
 Concen: 47.057 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV015111.D
 Acq: 24 Mar 2020 08:42

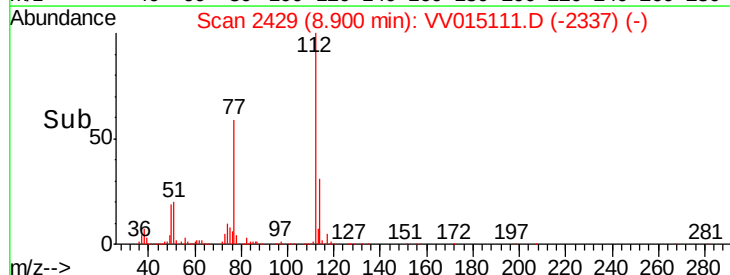
Tgt Ion:	112	Resp:	793154
Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.3	41.3
77	59.0	48.1	72.1

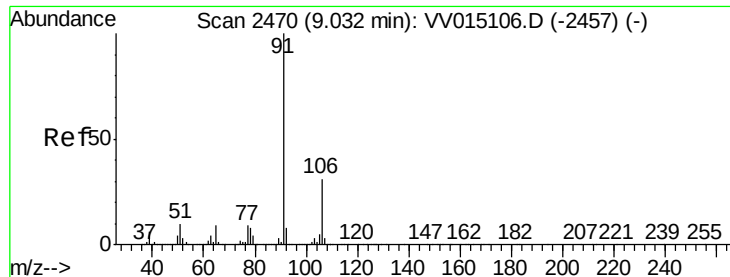


Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V



Time-->





#52

Ethylbenzene

Concen: 48.905 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

Instrument :

MSVOA_V

ClientSampleId :

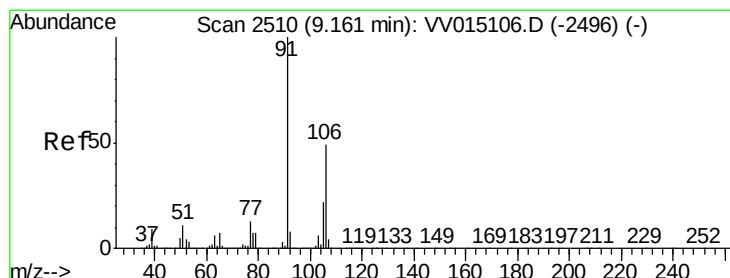
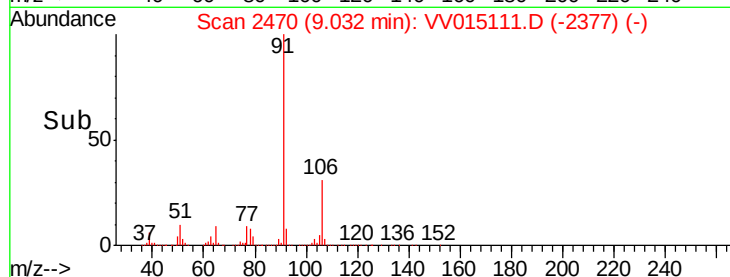
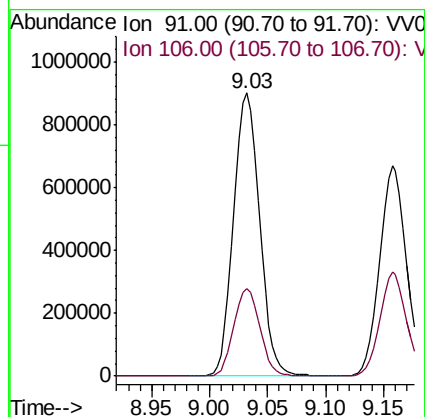
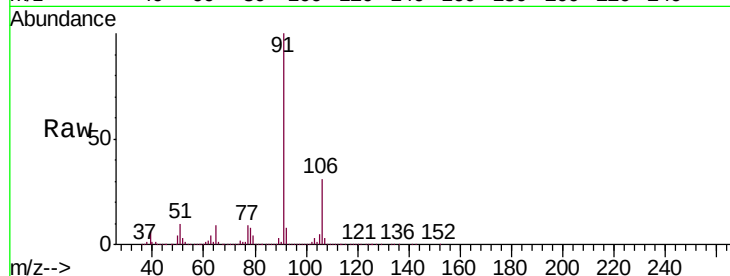
VSTD05070

Tgt Ion: 91 Resp: 1401315

Ion Ratio Lower Upper

91 100

106 31.1 21.9 40.7



#53

m,p-Xylene

Concen: 49.192 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015111.D

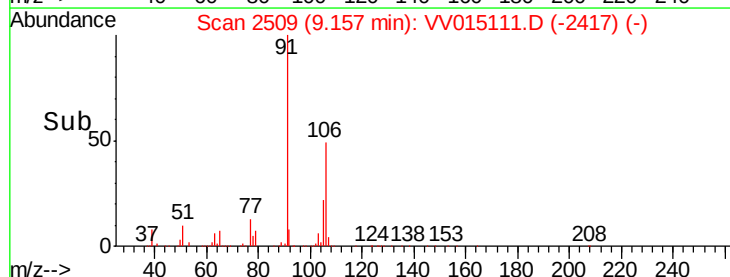
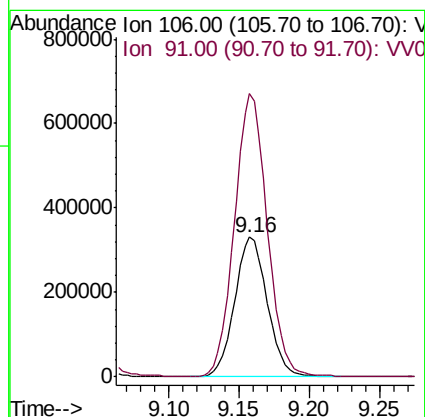
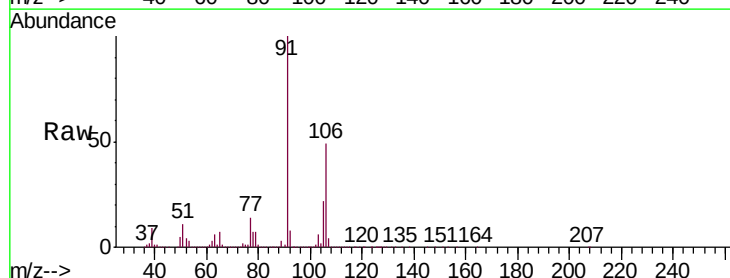
Acq: 24 Mar 2020 08:42

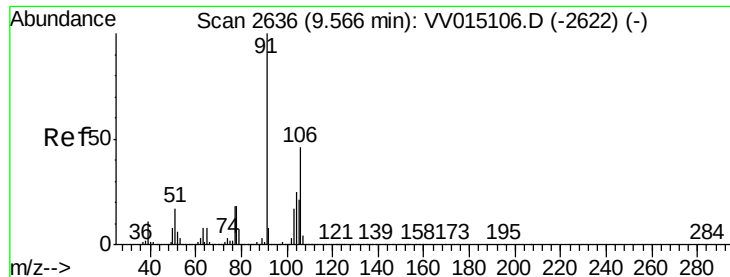
Tgt Ion: 106 Resp: 533542

Ion Ratio Lower Upper

106 100

91 202.4 143.9 267.2

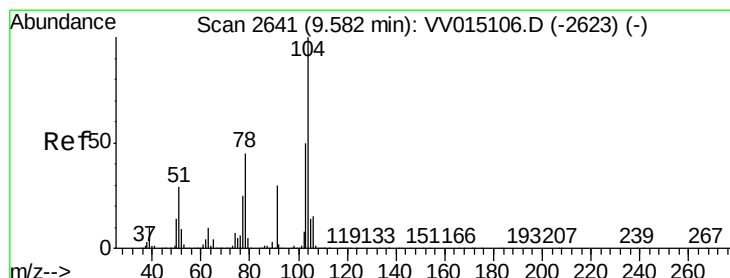
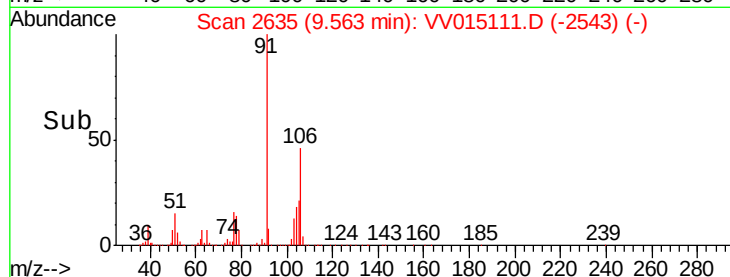
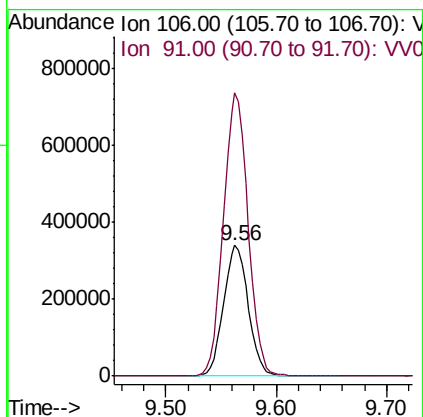
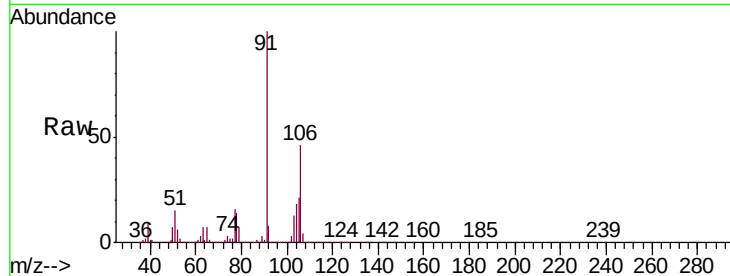




#54
o-xylene
Concen: 47.019 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV015111.D
Acq: 24 Mar 2020 08:42

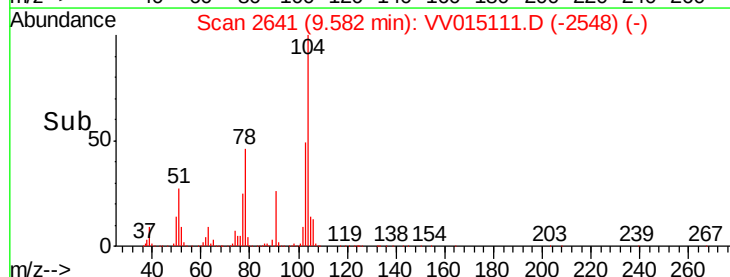
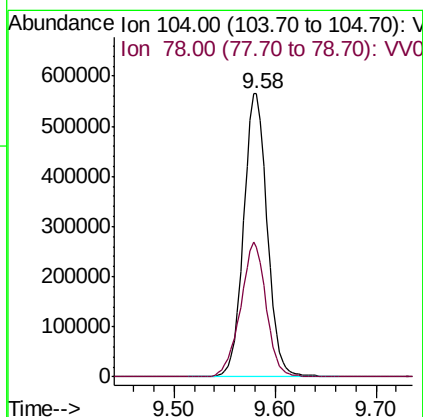
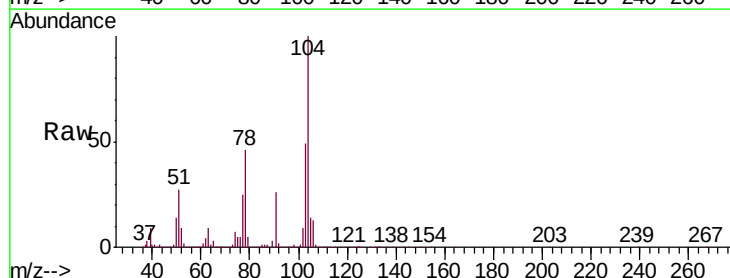
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

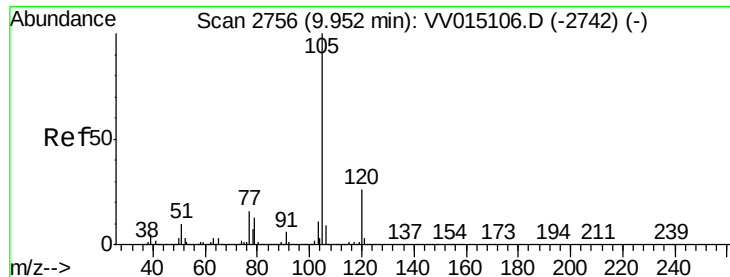
Tgt Ion:106 Resp: 526840
Ion Ratio Lower Upper
106 100
91 216.8 151.1 280.7



#55
Styrene
Concen: 46.965 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015111.D
Acq: 24 Mar 2020 08:42

Tgt Ion:104 Resp: 910071
Ion Ratio Lower Upper
104 100
78 46.0 31.8 59.0





#56

Isopropylbenzene

Concen: 50.046 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

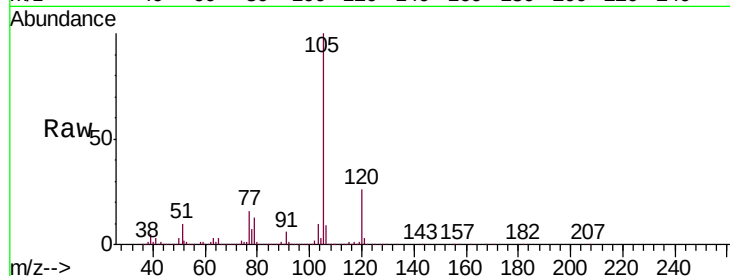
Tgt Ion:105 Resp: 1384062

Ion Ratio Lower Upper

105 100

120 26.5 21.3 31.9

77 15.8 12.8 19.2

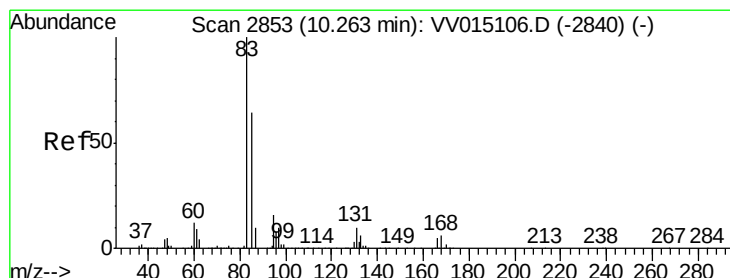
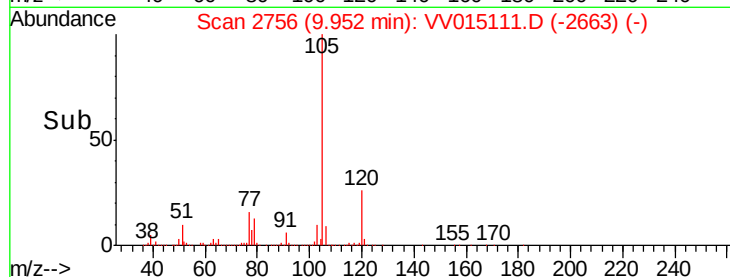
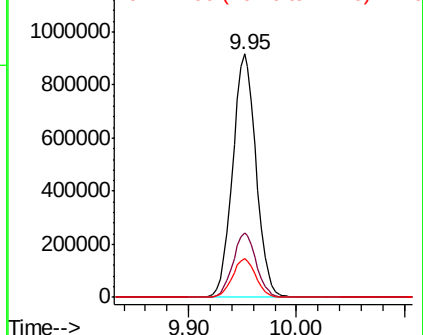


Abundance

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: 42.007 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

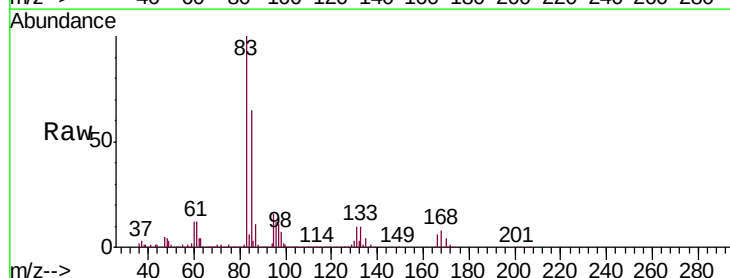
Tgt Ion: 83 Resp: 457870

Ion Ratio Lower Upper

83 100

85 64.9 45.0 83.6

131 10.1 7.8 11.8

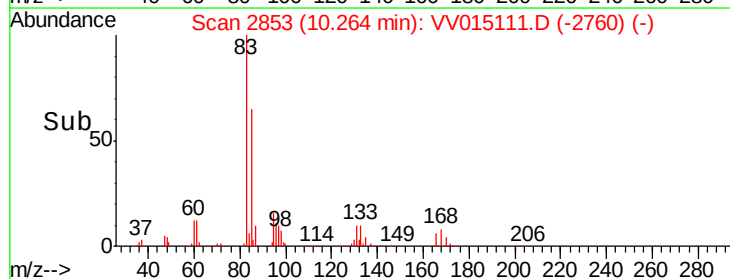
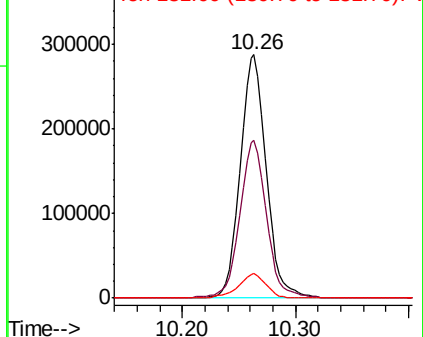


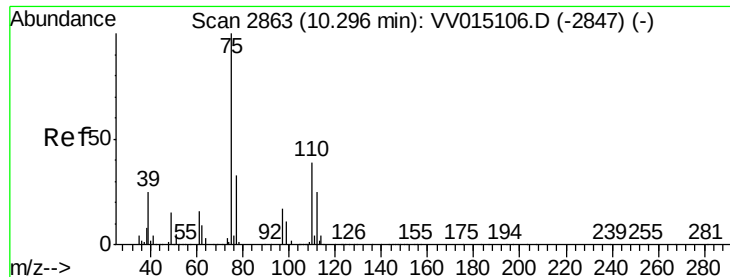
Abundance

Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 41.735 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

Instrument :

MSVOA_V

ClientSampleId :

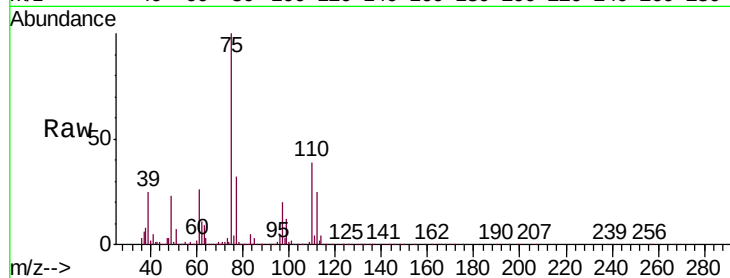
VSTD05070

Tgt Ion: 75 Resp: 367625

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

250000

200000

150000

100000

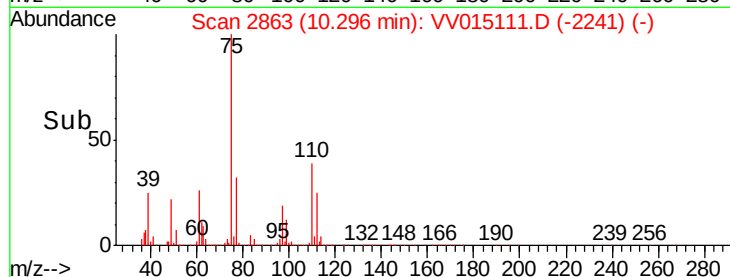
50000

0

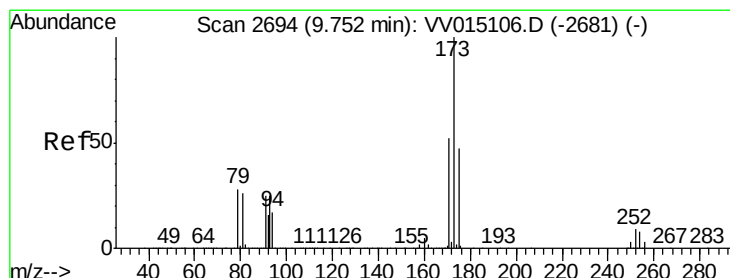
10.20

10.30

10.40



Time-->



#61

Bromoform

Concen: 41.318 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

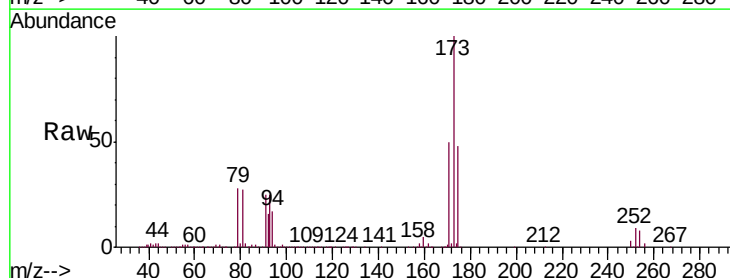
Tgt Ion: 173 Resp: 229679

Ion Ratio Lower Upper

173 100

175 48.0 38.1 57.1

254 8.2 6.6 9.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

200000

150000

100000

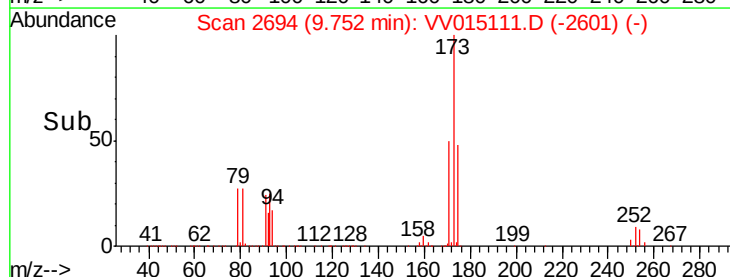
50000

0

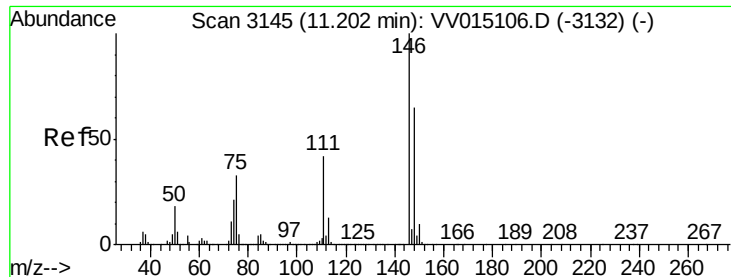
9.70

9.75

9.80



Time-->



#62

1,3-Dichlorobenzene

Concen: 46.013 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

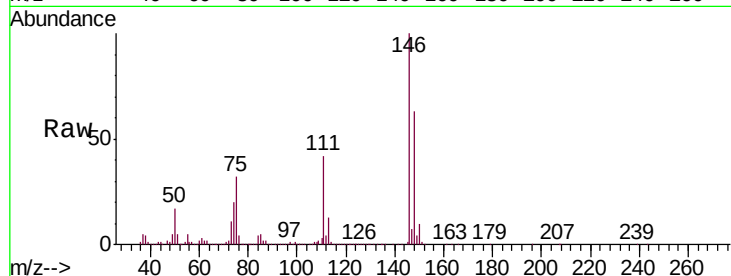
Tgt Ion:146 Resp: 620528

Ion Ratio Lower Upper

146 100

111 42.4 29.7 55.1

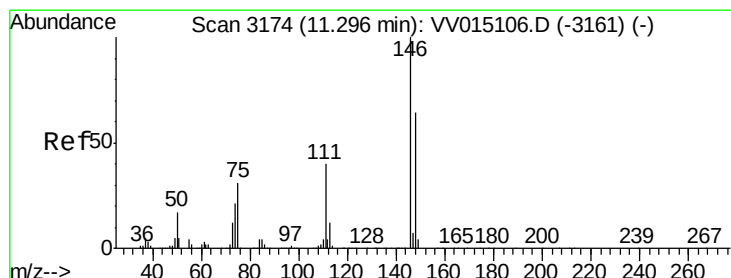
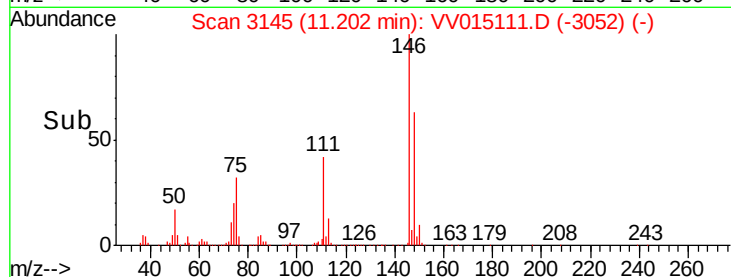
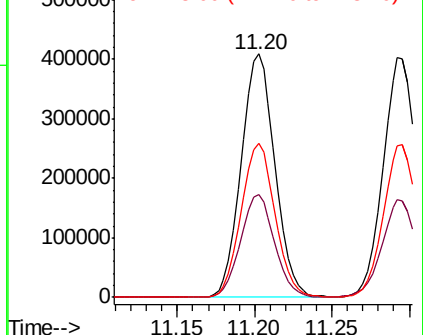
148 63.3 45.3 84.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 45.232 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

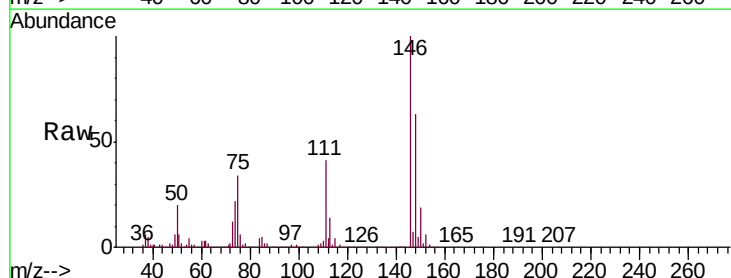
Tgt Ion:146 Resp: 616610

Ion Ratio Lower Upper

146 100

111 41.0 28.2 52.4

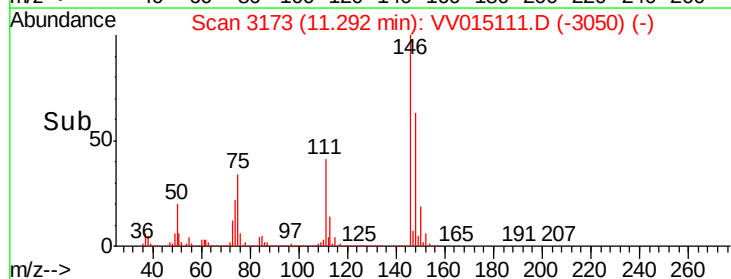
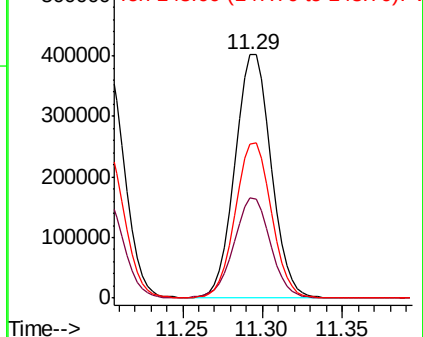
148 63.5 44.9 83.5

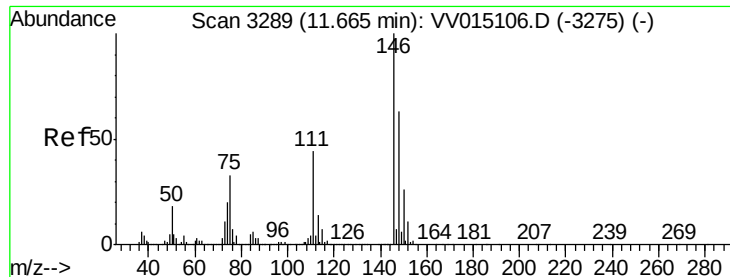


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

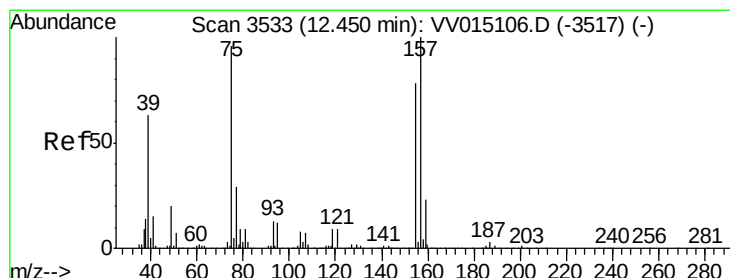
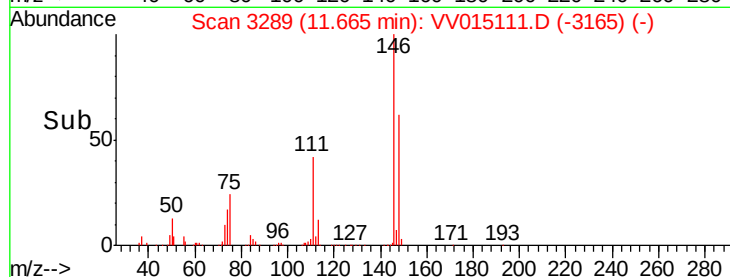
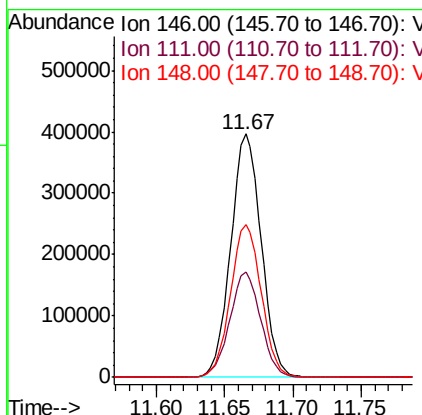
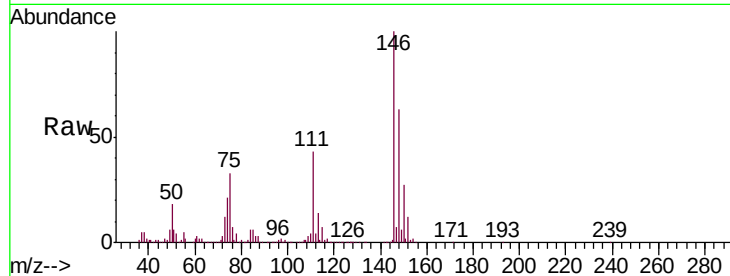




#65
 1,2-Dichlorobenzene
 Concen: 43.682 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015111.D
 Acq: 24 Mar 2020 08:42

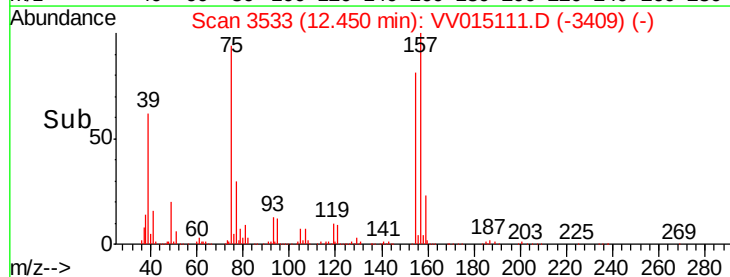
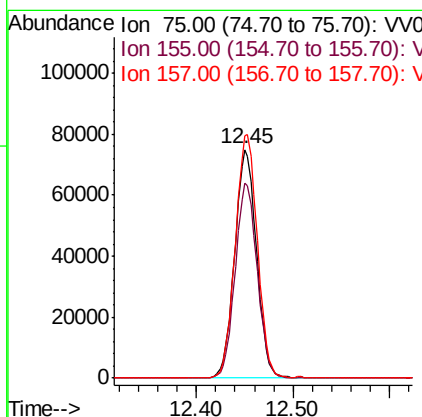
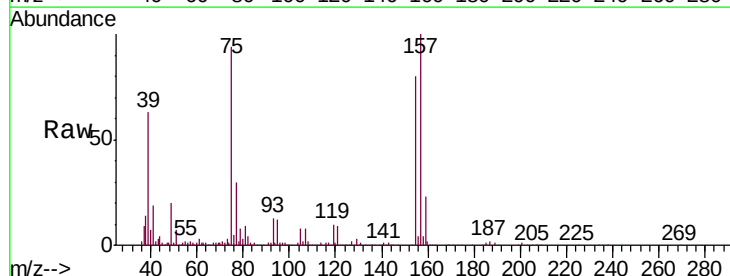
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

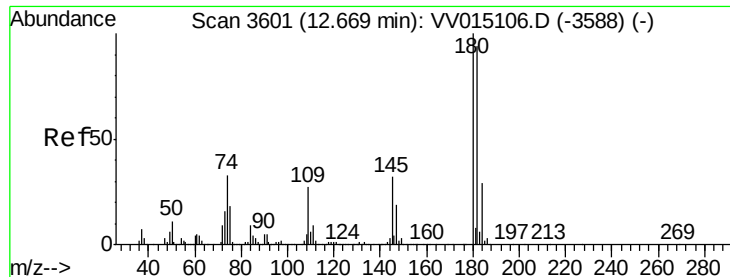
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	35.2	52.8
148	62.6	50.6	75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 37.858 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV015111.D
 Acq: 24 Mar 2020 08:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.5	65.2	97.8
157	106.3	83.3	124.9

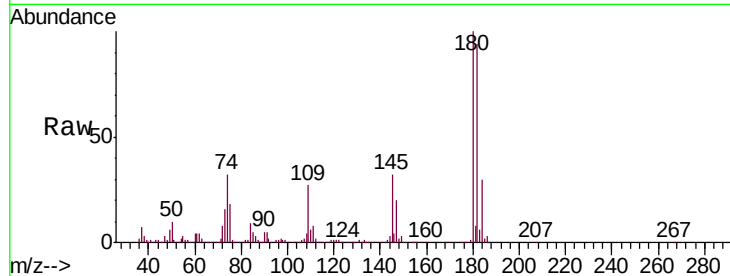




#67
 1,3,5-Trichlorobenzene
 Concen: 48.942 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015111.D
 Acq: 24 Mar 2020 08:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.9	113.9
184	30.0	23.7	35.5
145	32.0	25.8	38.6



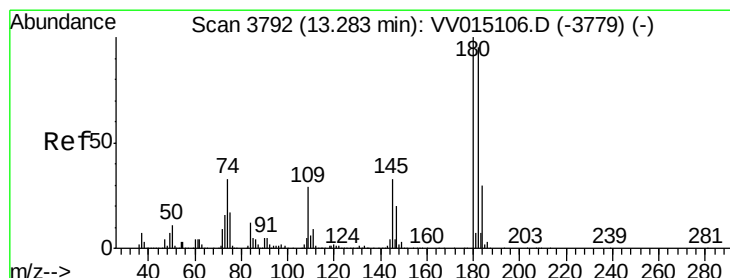
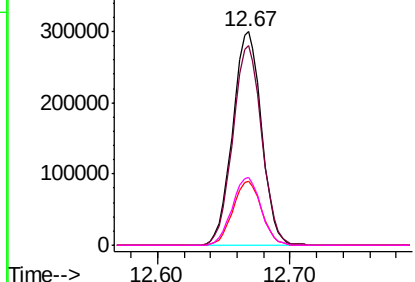
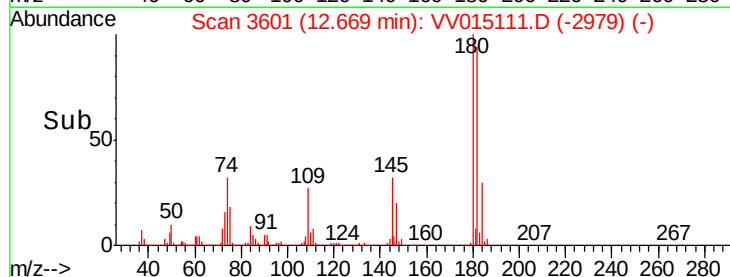
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

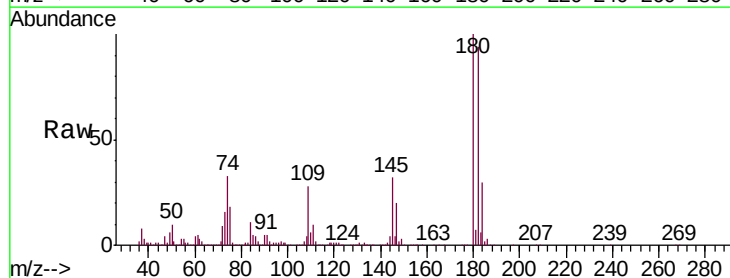
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 46.765 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV015111.D
 Acq: 24 Mar 2020 08:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.5	113.3
145	32.6	26.4	39.6

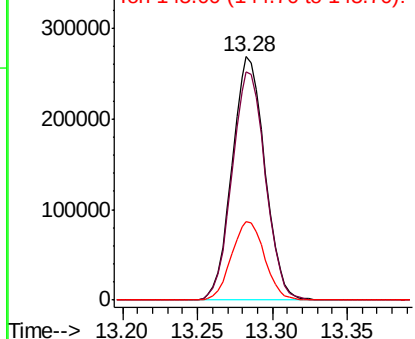
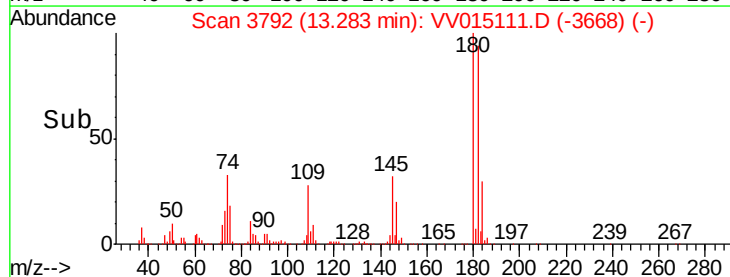


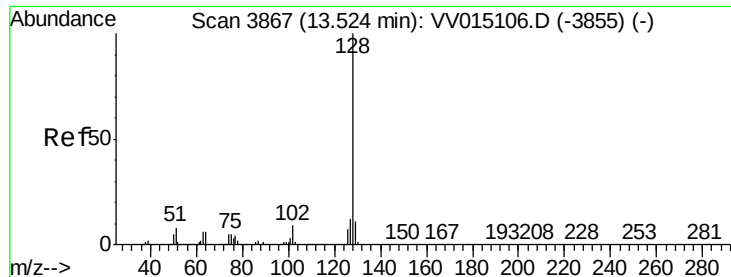
Abundance

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: 41.446 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

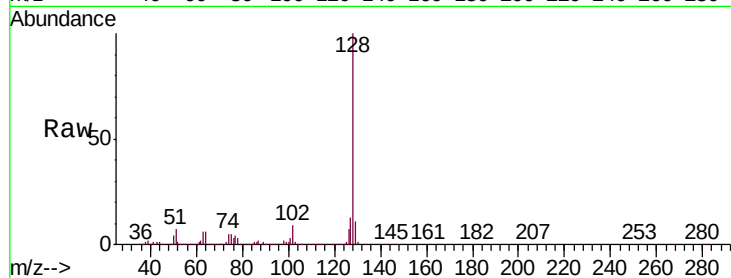
Tgt Ion:128 Resp: 718605

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

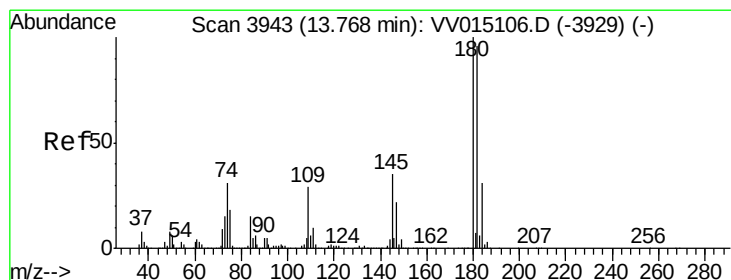
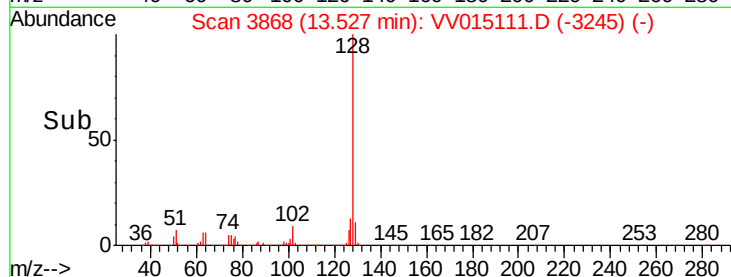
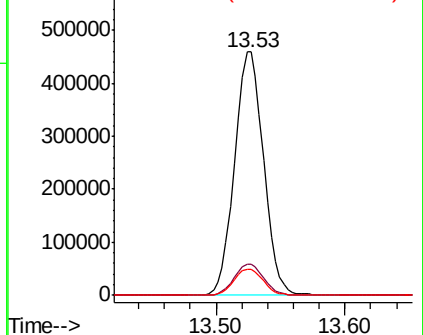
129 11.0 8.8 13.2



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: 45.577 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015111.D

Acq: 24 Mar 2020 08:42

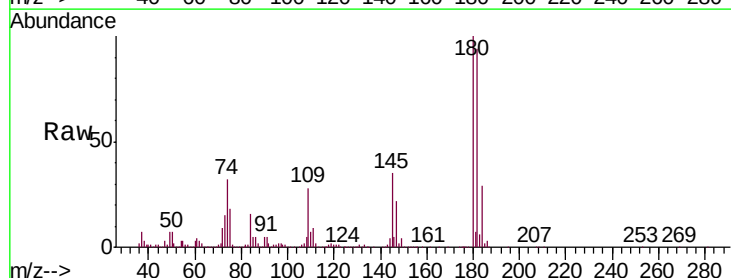
Tgt Ion:180 Resp: 412032

Ion Ratio Lower Upper

180 100

182 94.4 76.6 115.0

145 34.9 27.8 41.6



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

