

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040620\
 Data File : VV015413.D
 Acq On : 06 Apr 2020 15:29
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 07 03:19:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 07 02:48:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	88161	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	91612	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	45309	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34184	5.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.20%
7) Chloroethane-d5	1.58	69	30707	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.13	63	74829	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.40%
20) 2-Butanone-d5	3.99	46	83668	57.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.38%
24) Chloroform-d	4.37	84	66728	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
26) 1,2-Dichloroethane-d4	5.06	65	28932	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.06	84	104901	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.10	67	33565	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	7.35	98	111474	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
43) trans-1,3-Dichloropropene-	7.66	79	14498	5.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.00%
46) 2-Hexanone-d5	8.13	63	64533	56.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.02%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	27001	5.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	41548	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	45003	5.527 ug/L	99
3) Chloromethane	1.25	50	46773	5.476 ug/L	99
5) Vinyl chloride	1.32	62	48793	5.434 ug/L	99
6) Bromomethane	1.54	94	30620	5.290 ug/L	97
8) Chloroethane	1.60	64	28848	5.359 ug/L	98
9) Trichlorofluoromethane	1.77	101	71707	5.456 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	43814	5.289 ug/L	99
12) 1,1-Dichloroethene	2.14	96	40673	5.131 ug/L	98
13) Acetone	2.27	43	51351	52.014 ug/L	65
14) Carbon disulfide	2.31	76	130265	5.213 ug/L	99
15) Methyl Acetate	2.48	43	13195	4.183 ug/L	94
16) Methylene chloride	2.52	84	46811	5.042 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	95909	5.457 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	42809	5.210 ug/L	98
19) 1,1-Dichloroethane	3.21	63	74192	5.238 ug/L	99
21) 2-Butanone	4.08	43	93313	57.358 ug/L	96
22) cis-1,2-Dichloroethene	3.93	96	43843	5.174 ug/L #	98

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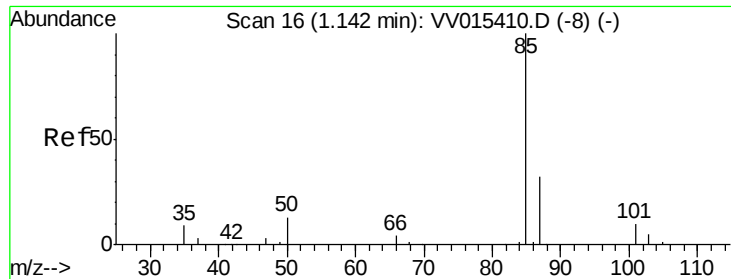
Instrument :
 MSVOA_V
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.27	128	19217	5.534	ug/L	93
25) Chloroform	4.40	83	84555	5.169	ug/L	98
27) 1,2-Dichloroethane	5.16	62	36782	5.532	ug/L	99
29) 1,1,1-Trichloroethane	4.62	97	72376	5.106	ug/L	98
30) Cyclohexane	4.68	56	70481	5.226	ug/L	98
31) Carbon tetrachloride	4.84	117	63987	5.220	ug/L	96
33) Benzene	5.11	78	126117	5.171	ug/L	100
34) Trichloroethene	5.93	95	35151	5.177	ug/L	99
35) Methylcyclohexane	6.14	83	59789	4.972	ug/L	91
37) 1,2-Dichloropropane	6.20	63	30267	5.344	ug/L #	94
38) Bromodichloromethane	6.54	83	40696	5.170	ug/L	97
39) cis-1,3-Dichloropropene	7.06	75	47389	5.285	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	179919	56.844	ug/L	99
42) Toluene	7.42	91	151411	5.300	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	41295	5.416	ug/L	98
45) 1,1,2-Trichloroethane	7.87	97	22579	5.231	ug/L	94
47) Tetrachloroethene	8.00	164	24541	4.945	ug/L	94
48) 2-Hexanone	8.18	43	130903	58.037	ug/L	99
49) Dibromochloromethane	8.28	129	26598	5.239	ug/L	97
50) 1,2-Dibromoethane	8.39	107	22064	5.368	ug/L	91
51) Chlorobenzene	8.91	112	97126	5.232	ug/L	99
52) Ethylbenzene	9.04	91	176419	5.351	ug/L	99
53) m,p-xylene	9.16	106	69489	5.425	ug/L	98
54) o-xylene	9.57	106	66045	5.337	ug/L	100
55) Styrene	9.59	104	111770	5.482	ug/L	100
56) Isopropylbenzene	9.95	105	178137	5.369	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.27	83	27125	5.504	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	20087	5.431	ug/L	97
61) Bromoform	9.76	173	12293	5.364	ug/L	100
62) 1,3-Dichlorobenzene	11.21	146	76833	5.217	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	78203	5.276	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	69596	5.310	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	5046	5.403	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	52835	5.203	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	46369	5.207	ug/L	100
69) Naphthalene	13.53	128	101144	4.835	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	42239	5.513	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.527 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

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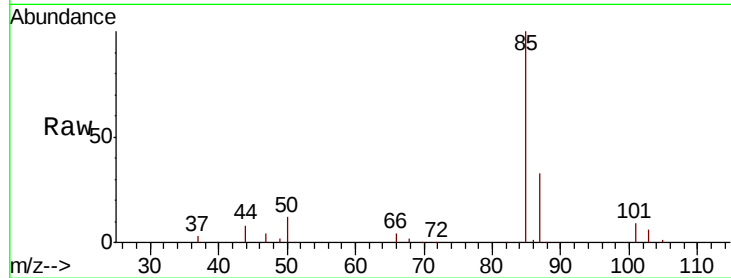
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 45003

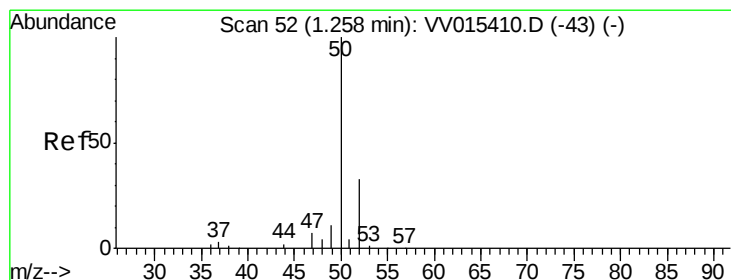
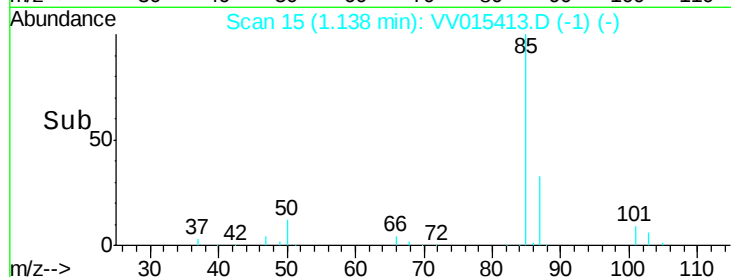
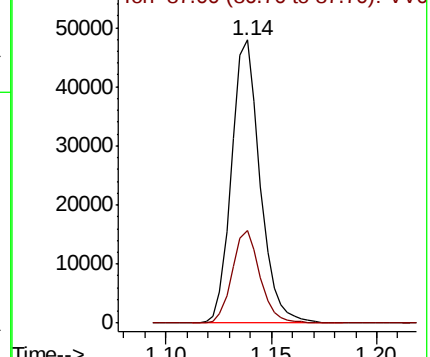
Ion Ratio Lower Upper

85 100

87 32.0 25.4 38.0



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



#3

Chloromethane

Concen: 5.476 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.01 min

Lab File: VV015413.D

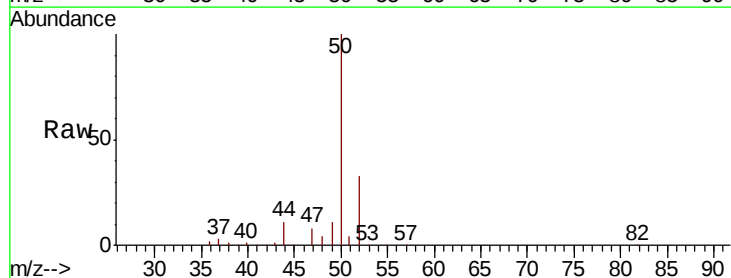
Acq: 06 Apr 2020 15:29

Tgt Ion: 50 Resp: 46773

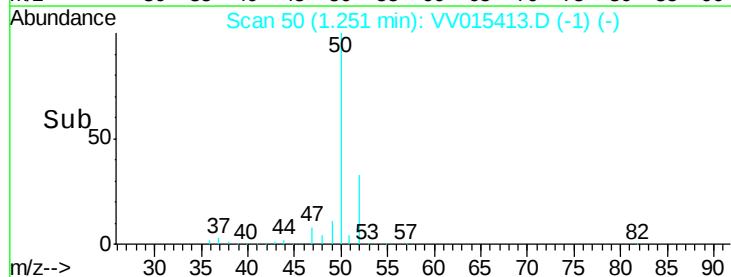
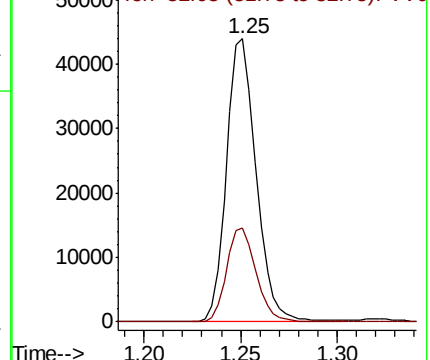
Ion Ratio Lower Upper

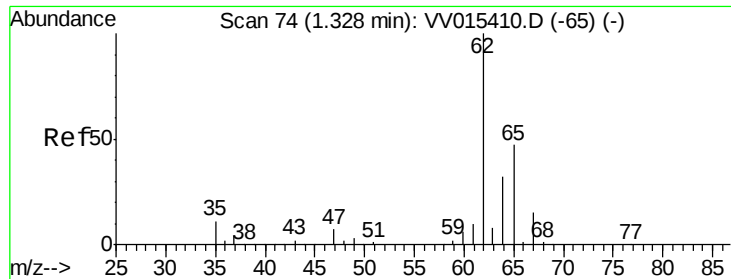
50 100

52 33.4 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: 5.434 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.01 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

Instrument :

MSVOA_V

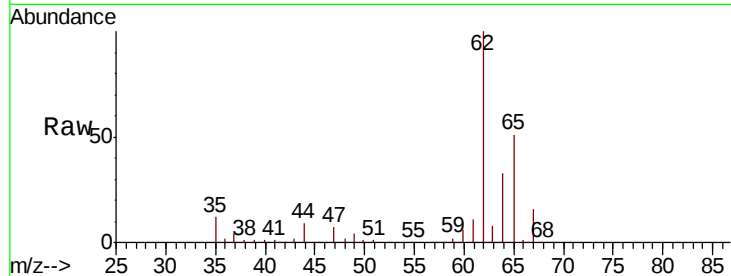
ClientSampled :

Tot Ion: 62 Resp: 48793

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

50000

40000

30000

20000

10000

0

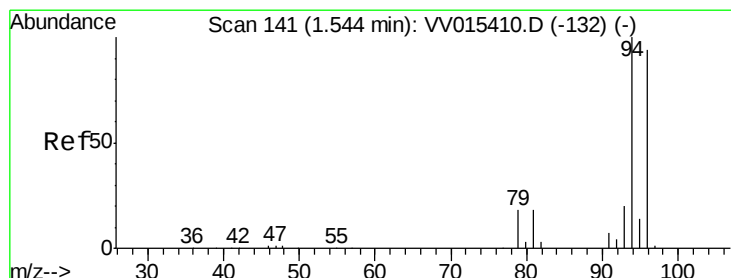
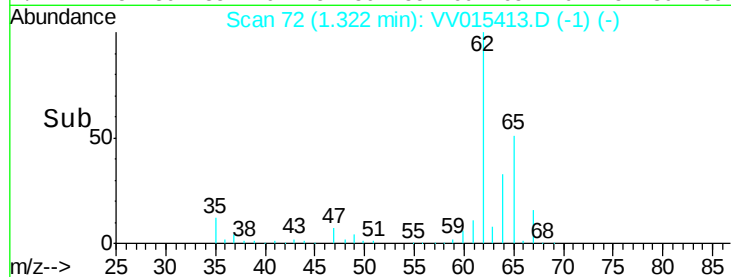
Time-->

1.25

1.30

1.35

1.40



#6

Bromomethane

Concen: 5.290 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.01 min

Lab File: VV015413.D

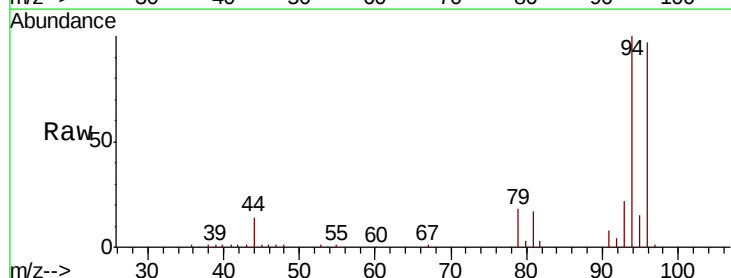
Acq: 06 Apr 2020 15:29

Tgt Ion: 94 Resp: 30620

Ion Ratio Lower Upper

94 100

96 97.1 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

30000

25000

20000

15000

10000

5000

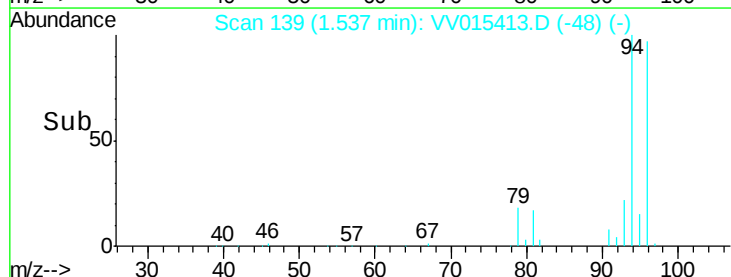
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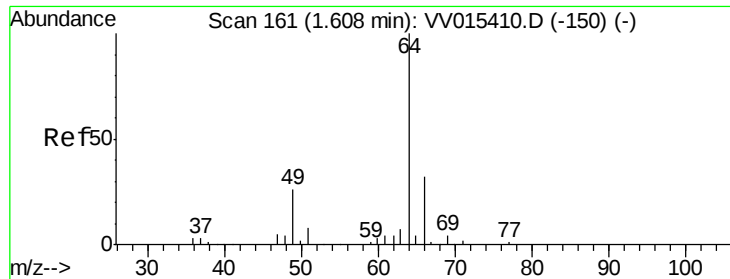
Time-->

1.50

1.55

1.60





#8

Chloroethane

Concen: 5.359 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.01 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

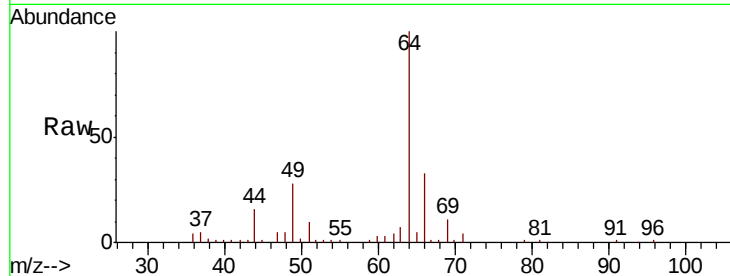
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 28848

Ion Ratio Lower Upper

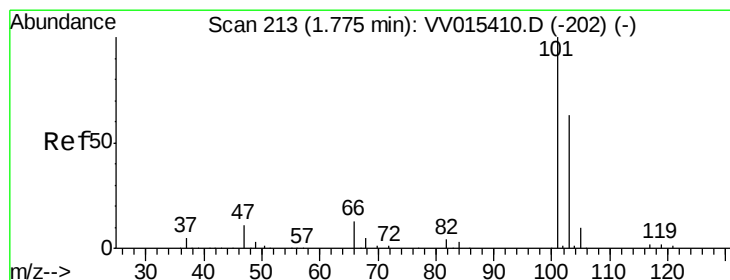
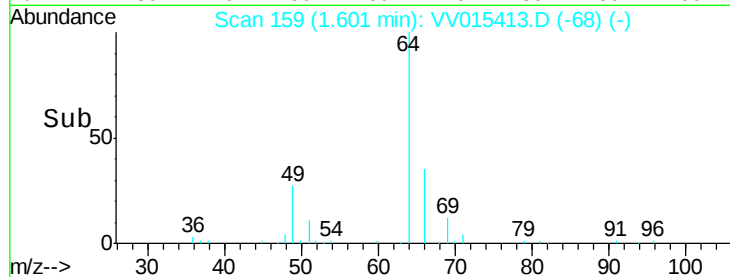
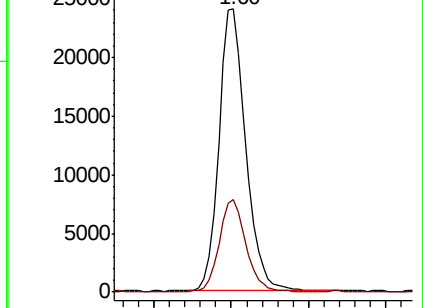
64 100

66 32.9 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VV015413.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV015413.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 5.456 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.01 min

Lab File: VV015413.D

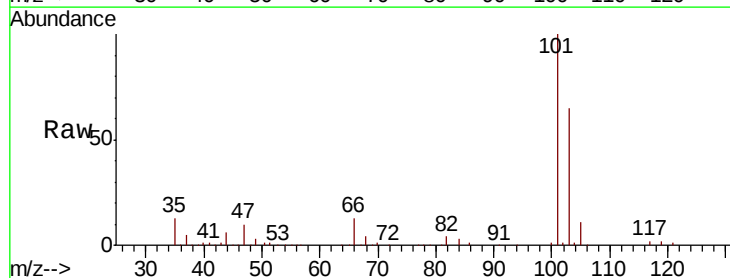
Acq: 06 Apr 2020 15:29

Tgt Ion:101 Resp: 71707

Ion Ratio Lower Upper

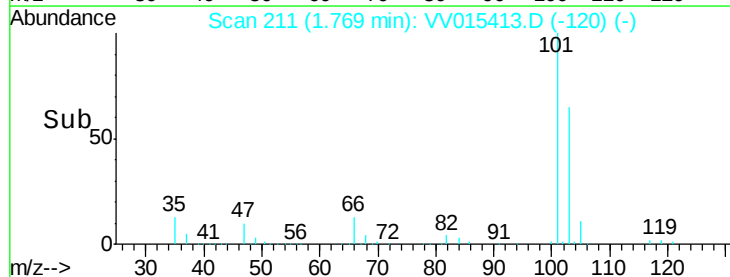
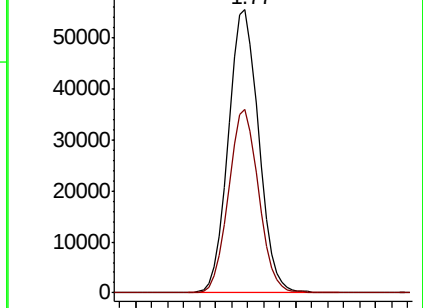
101 100

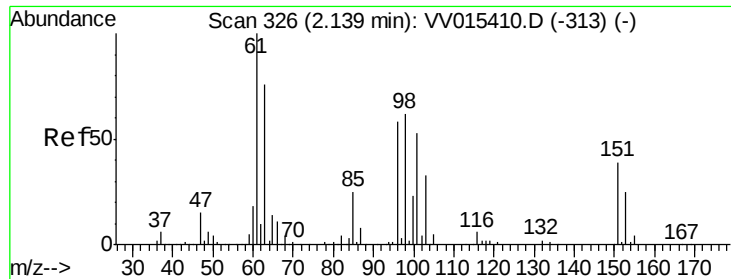
103 64.2 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV015413.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV015413.D (-202) (-)





#10

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

Concen: 5.289 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

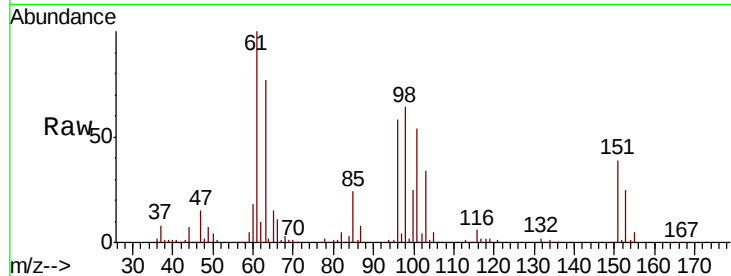
Tot Ion:101 Resp: 43814

Ion Ratio Lower Upper

101 100

85 43.8 36.2 54.4

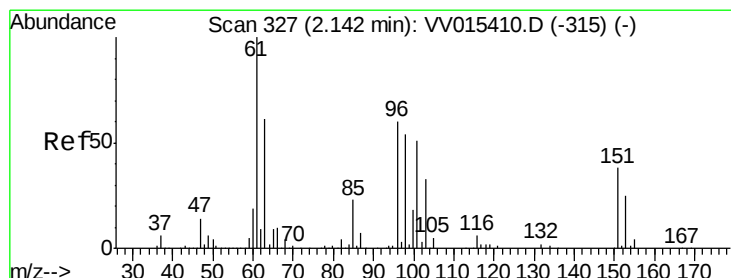
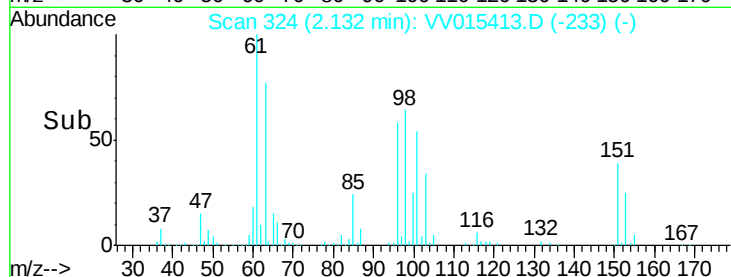
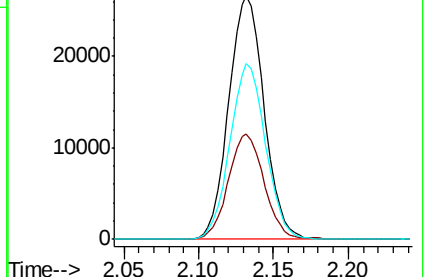
151 72.6 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): VV015413.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV015413.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV015413.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 5.131 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

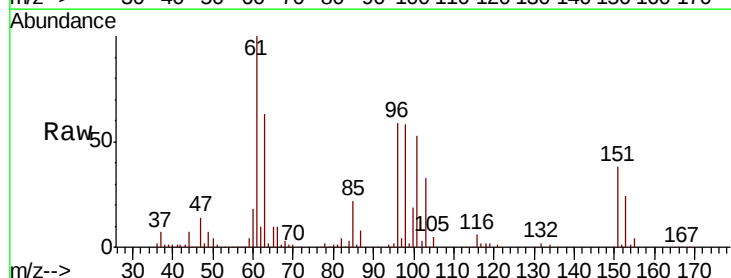
Tgt Ion: 96 Resp: 40673

Ion Ratio Lower Upper

96 100

61 169.5 117.1 217.5

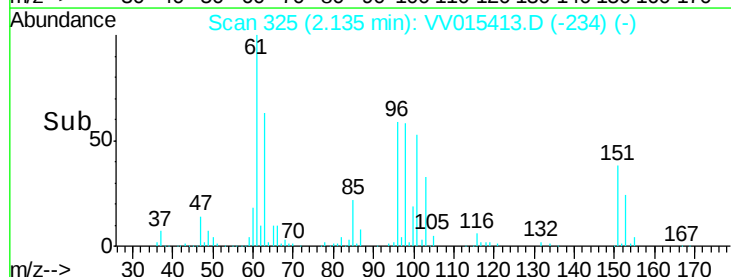
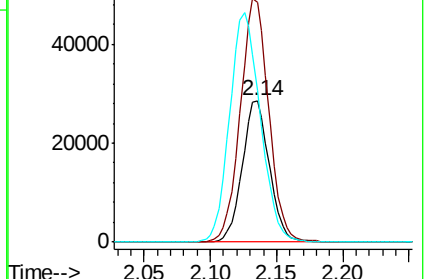
63 107.3 72.9 135.5

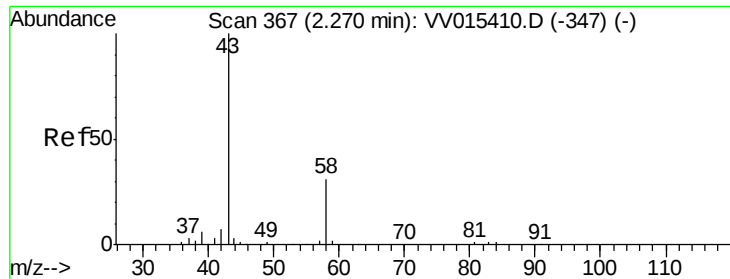


Abundance Ion 96.00 (95.70 to 96.70): VV015413.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV015413.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV015413.D (-234) (-)





#13

Acetone

Concen: 52.014 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

Instrument :

MSVOA_V

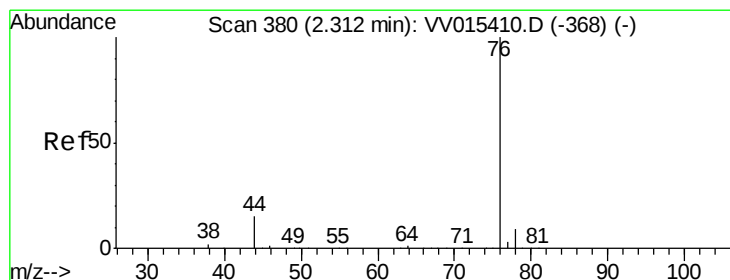
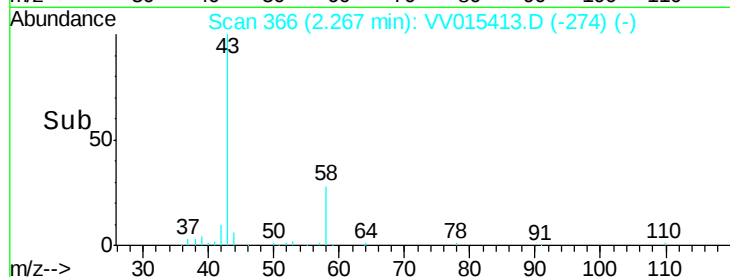
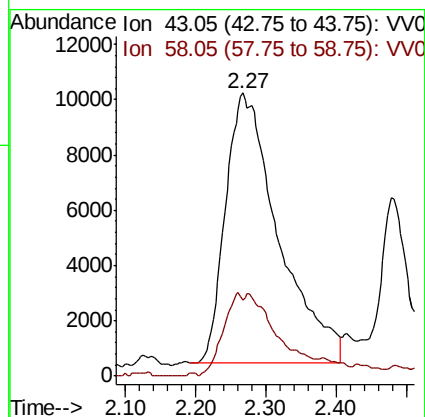
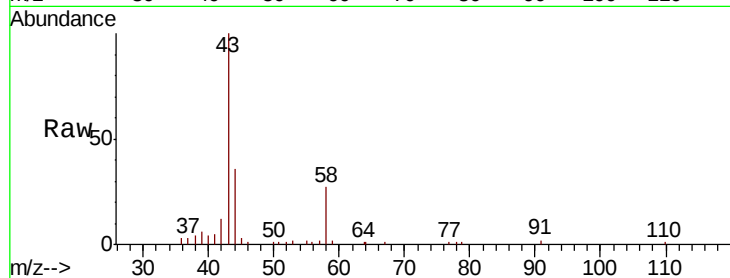
ClientSampleId :

Tot Ion: 43 Resp: 51351

Ion Ratio Lower Upper

43 100

58 11.3 0.0 61.0



#14

Carbon disulfide

Concen: 5.213 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV015413.D

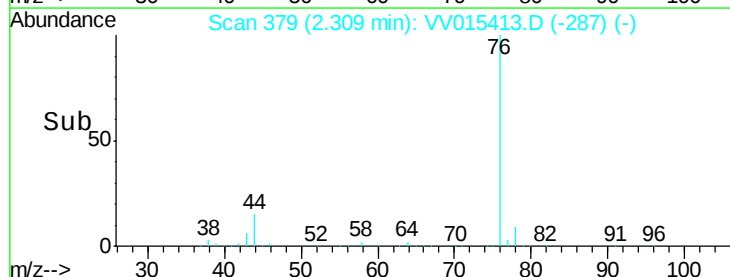
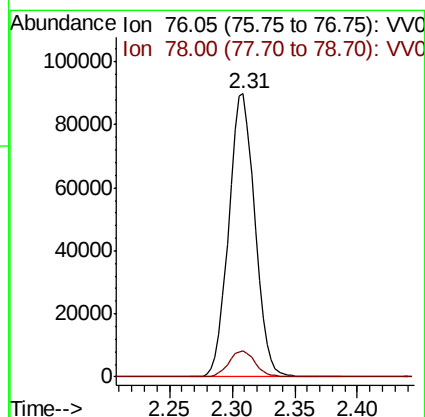
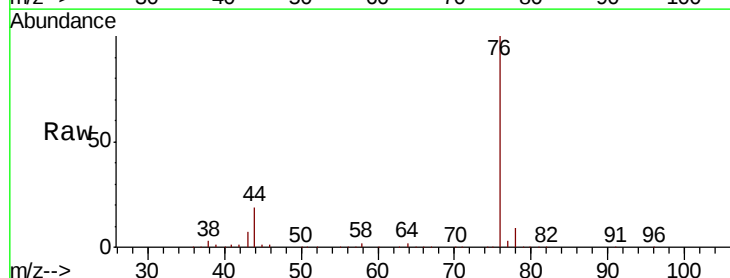
Acq: 06 Apr 2020 15:29

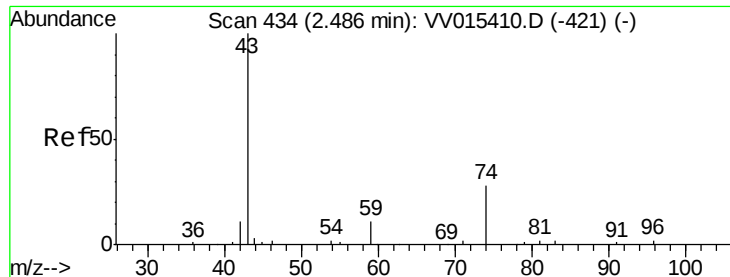
Tgt Ion: 76 Resp: 130265

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#15

Methvl Acetate

Concen: 4.183 ug/L

RT: 2.48 min Scan# 432

Delta R.T. -0.01 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

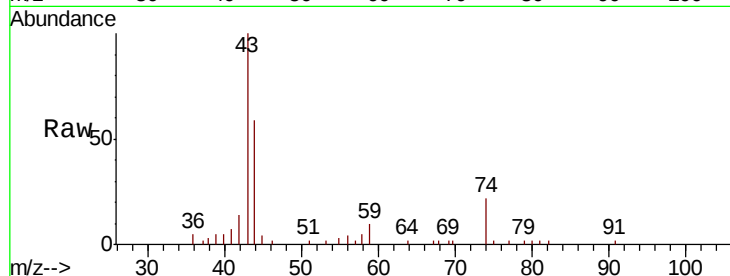
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 13195

Ion Ratio Lower Upper

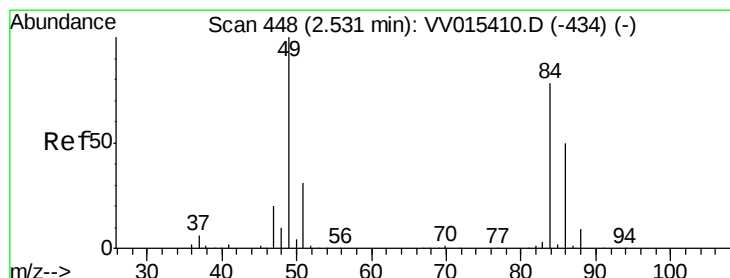
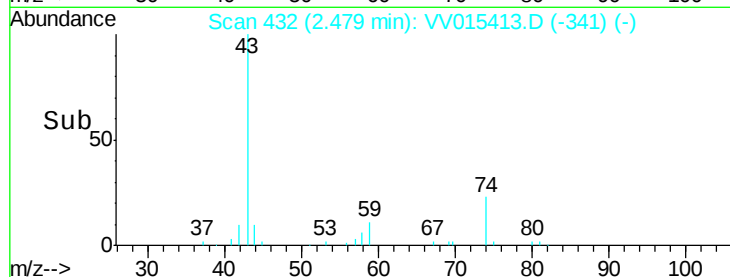
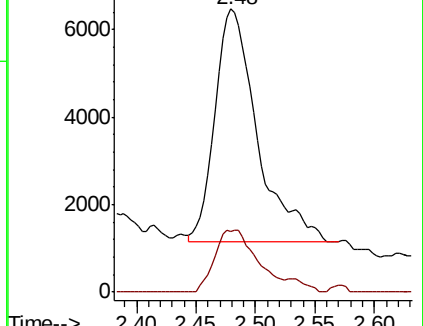
43 100

74 26.4 18.6 28.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 5.042 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.01 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

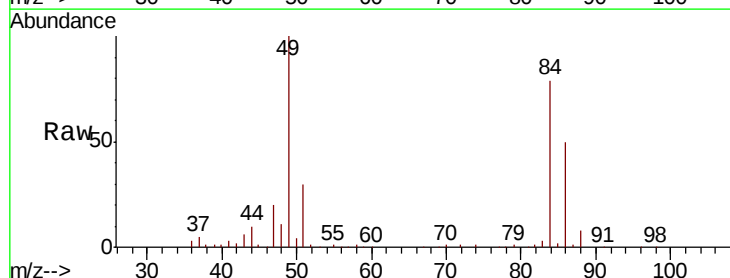
Tgt Ion: 84 Resp: 46811

Ion Ratio Lower Upper

84 100

86 63.0 44.5 82.7

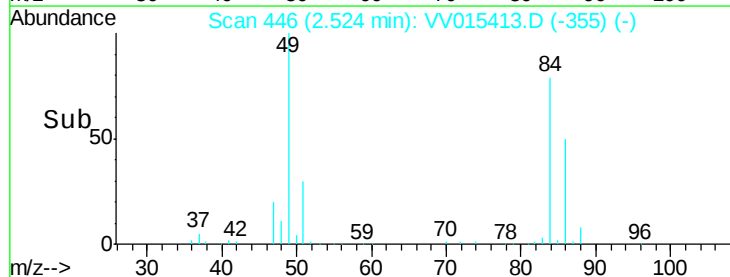
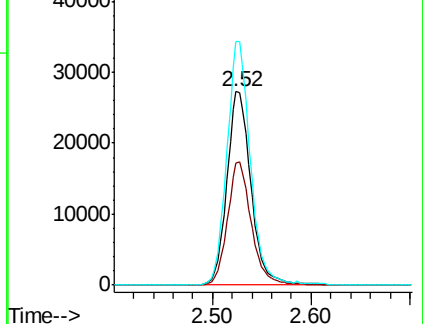
49 126.0 89.2 165.6

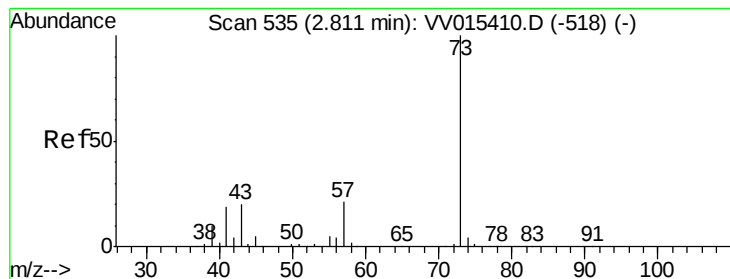


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



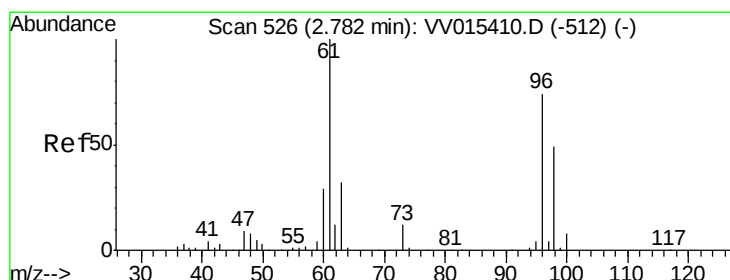
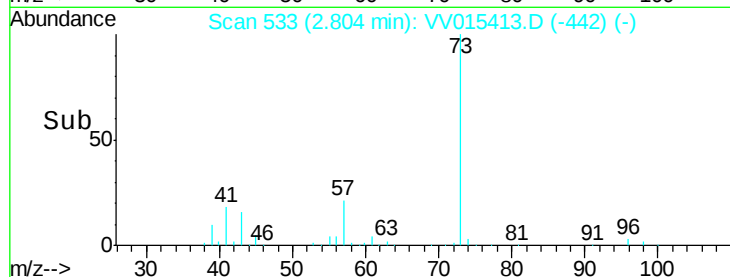
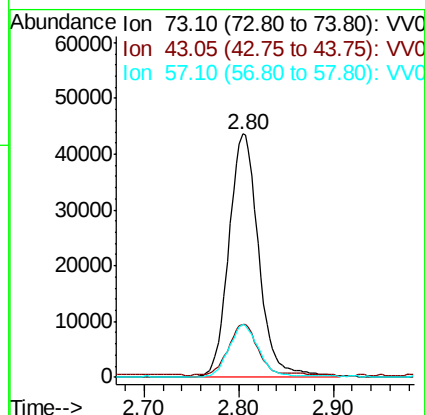
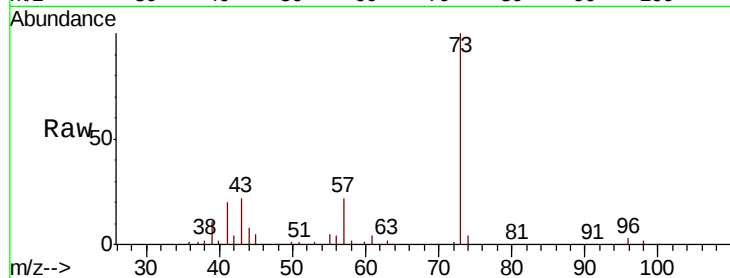


#17

Methvl tert-butvl Ether
 Concen: 5.457 ug/L
 RT: 2.80 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VV015413.D
 Acq: 06 Apr 2020 15:29

Instrument :
 MSVOA_V
 ClientSampleId :

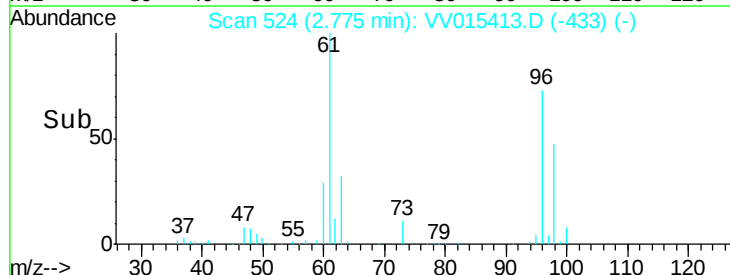
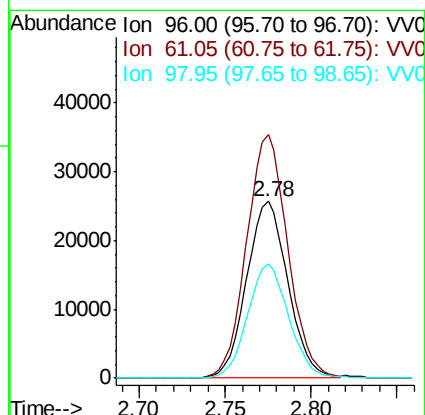
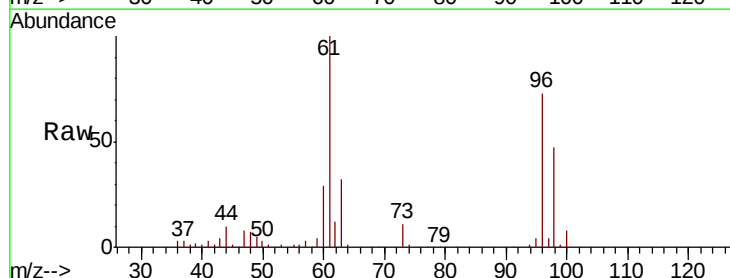
Tot Ion:	73	Resp:	95909
Ion	Ratio	Lower	Upper
73	100		
43	20.4	16.9	25.3
57	22.1	17.3	25.9

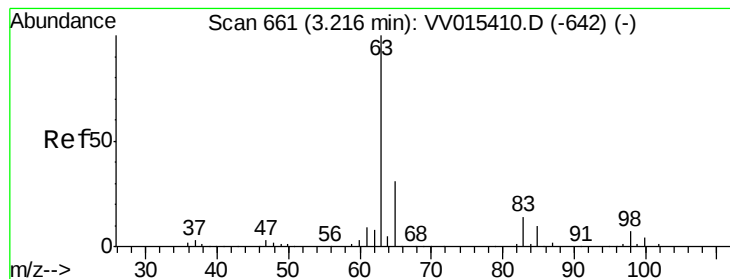


#18

trans-1,2-Dichloroethene
 Concen: 5.210 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: VV015413.D
 Acq: 06 Apr 2020 15:29

Tgt Ion:	96	Resp:	42809
Ion	Ratio	Lower	Upper
96	100		
61	137.9	95.0	176.4
98	64.7	46.6	86.6





#19

1,1-Dichloroethane

Concen: 5.238 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.01 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

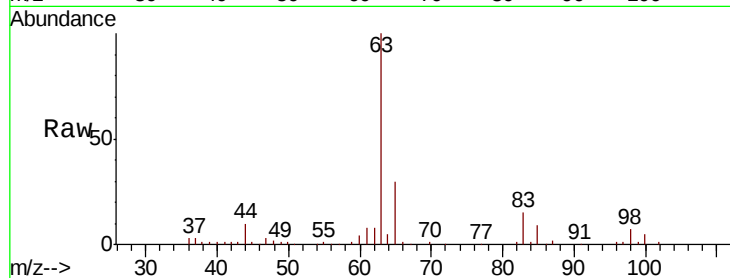
Tot Ion: 63 Resp: 74192

Ion Ratio Lower Upper

63 100

65 30.4 21.8 40.6

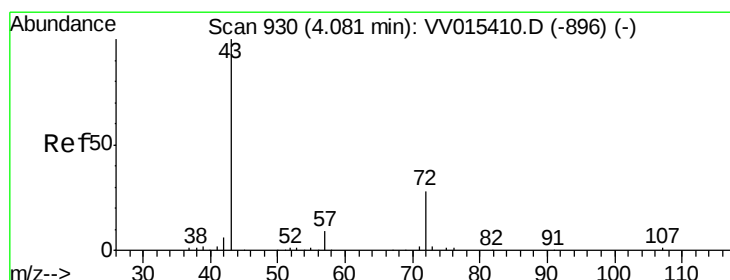
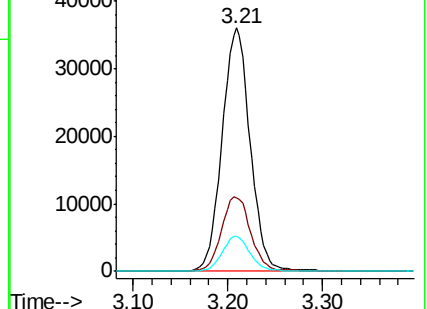
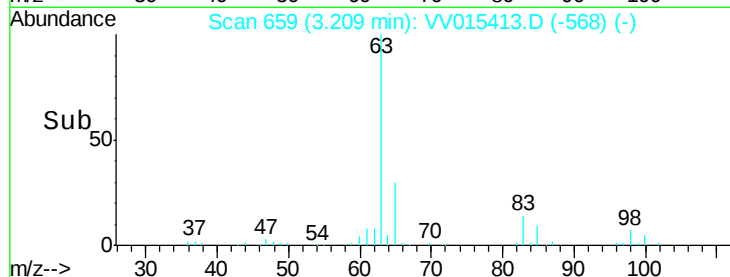
83 14.6 9.9 18.5



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: 57.358 ug/L

RT: 4.08 min Scan# 929

Delta R.T. -0.00 min

Lab File: VV015413.D

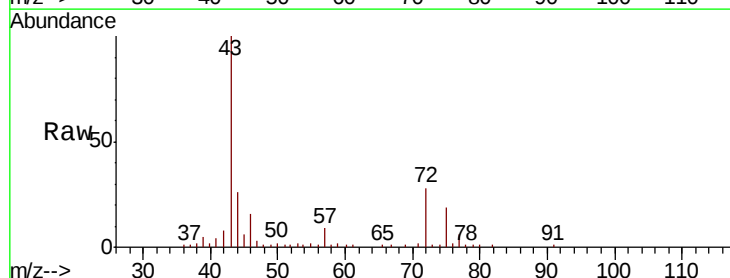
Acq: 06 Apr 2020 15:29

Tgt Ion: 43 Resp: 93313

Ion Ratio Lower Upper

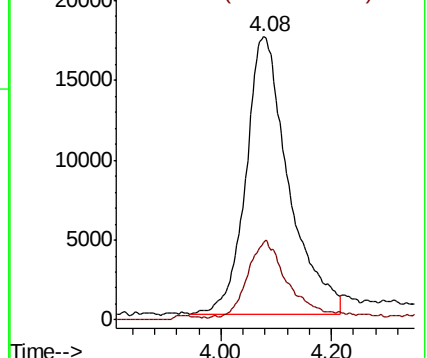
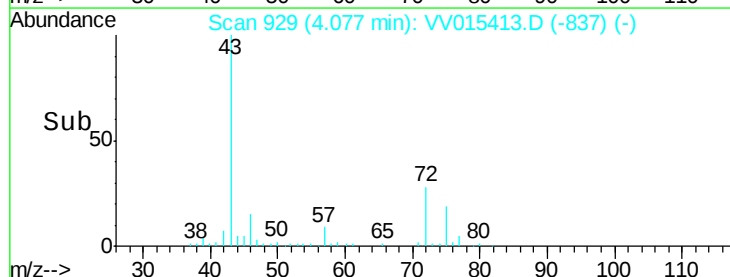
43 100

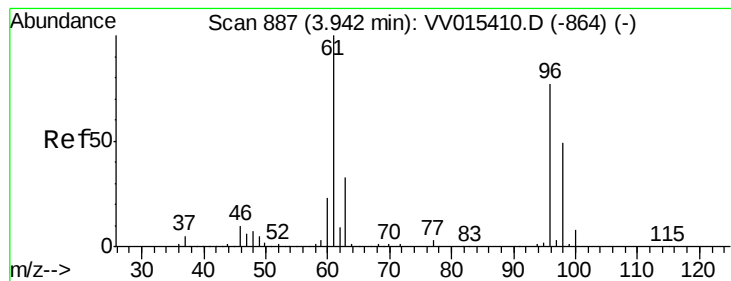
72 24.9 13.4 40.2



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: 5.174 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.01 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

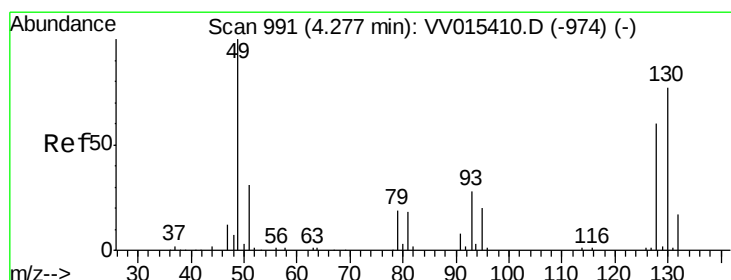
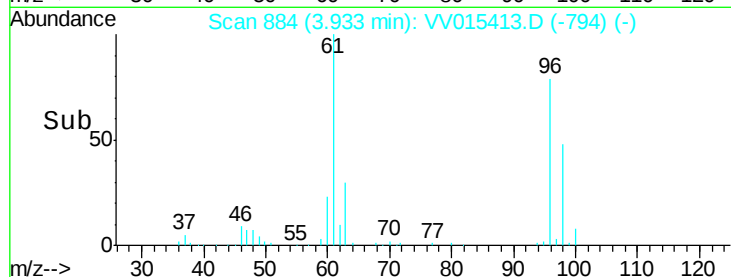
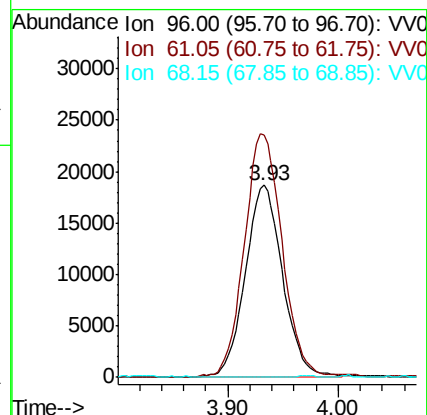
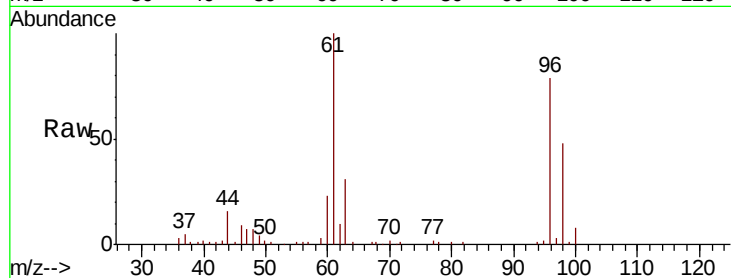
Tot Ion: 96 Resp: 43843

Ion Ratio Lower Upper

96 100

61 126.5 90.4 168.0

68 0.0 0.6 1.0#



#23

Bromochloromethane

Concen: 5.534 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.01 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

Tgt Ion: 128 Resp: 19217

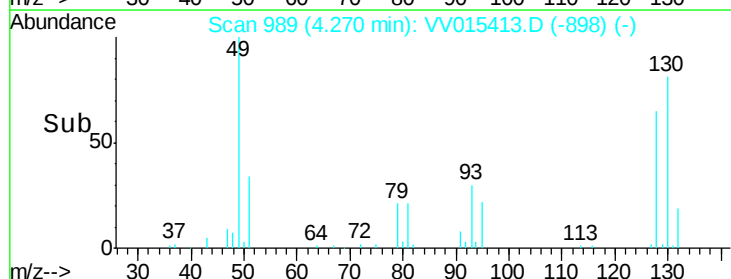
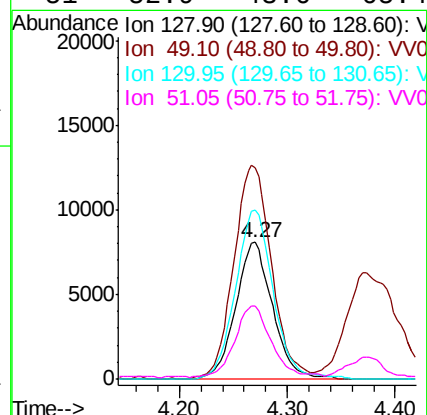
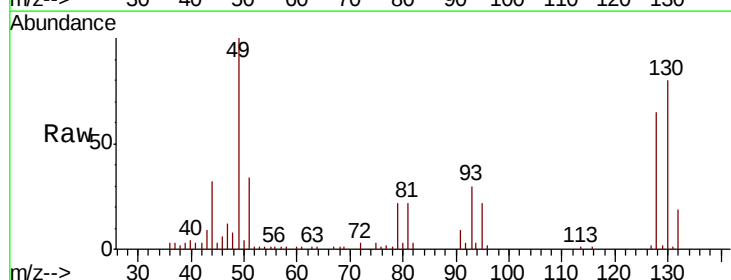
Ion Ratio Lower Upper

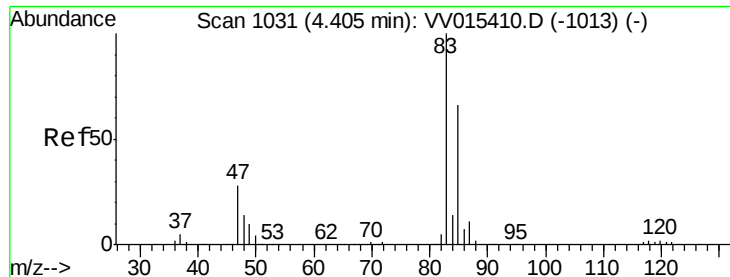
128 100

49 154.5 117.3 217.9

130 123.7 90.4 168.0

51 52.9 43.6 65.4

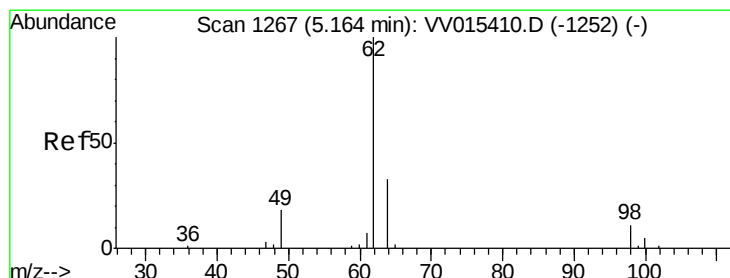
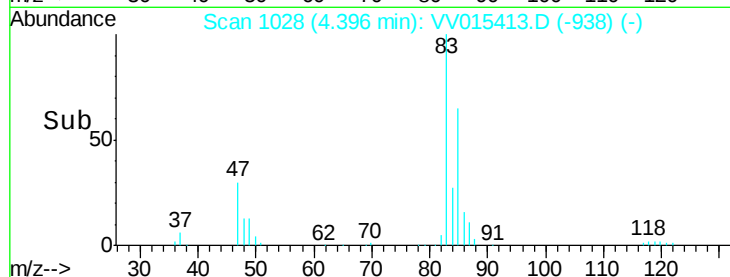
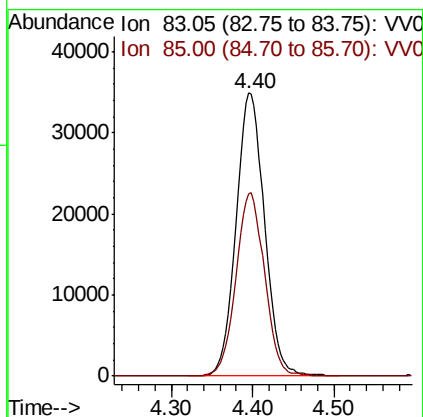
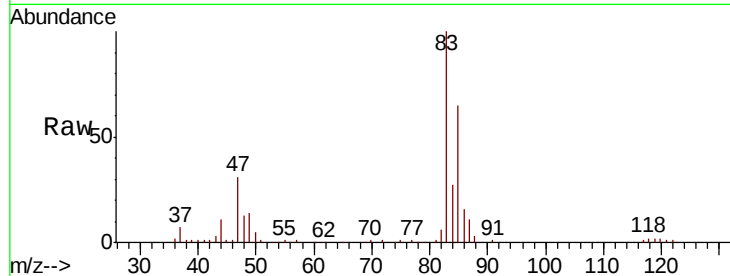




#25
Chloroform
Concen: 5.169 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VV015413.D
Acq: 06 Apr 2020 15:29

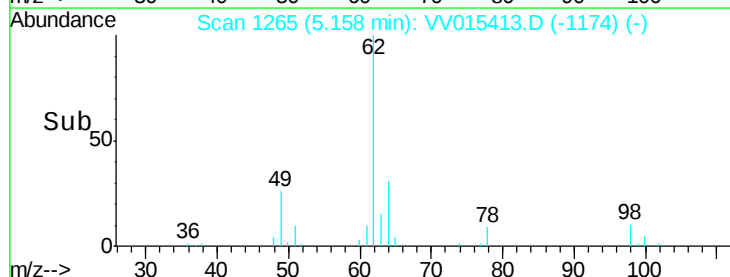
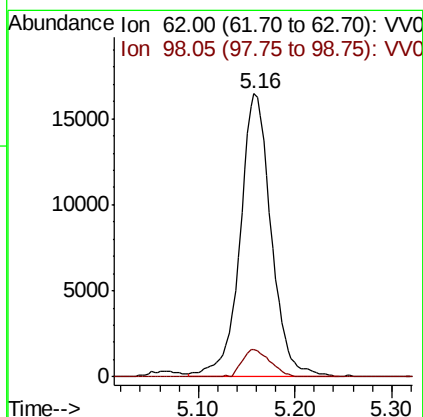
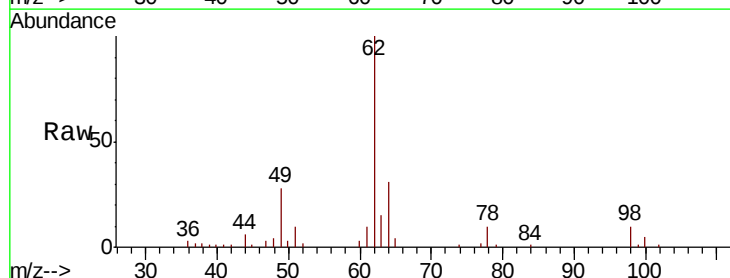
Instrument :
MSVOA_V
ClientSampleId :

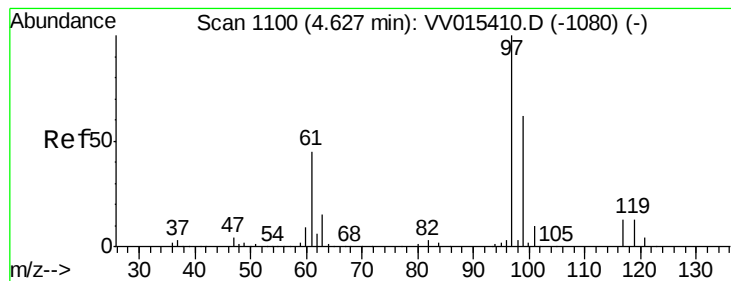
Tot Ion: 83 Resp: 84555
Ion Ratio Lower Upper
83 100
85 64.5 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.532 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VV015413.D
Acq: 06 Apr 2020 15:29

Tgt Ion: 62 Resp: 36782
Ion Ratio Lower Upper
62 100
98 9.8 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 5.106 ug/L

RT: 4.62 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

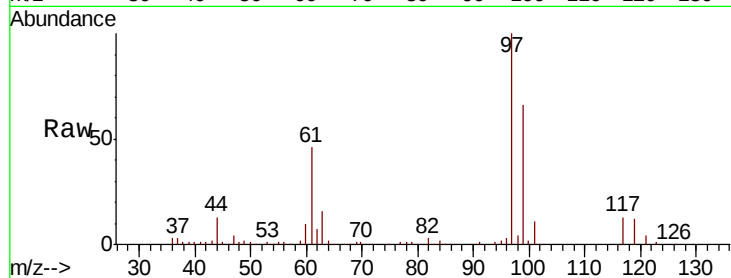
Tot Ion: 97 Resp: 72376

Ion Ratio Lower Upper

97 100

99 65.0 49.9 74.9

61 45.2 36.2 54.4

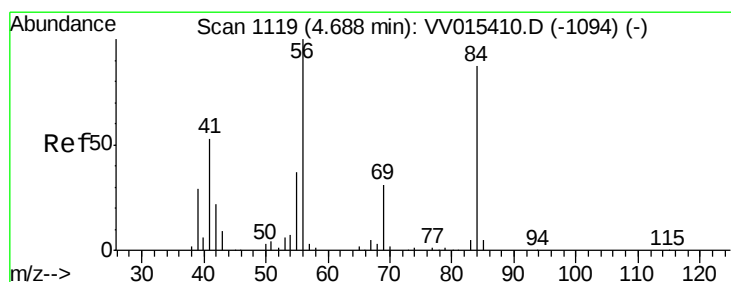
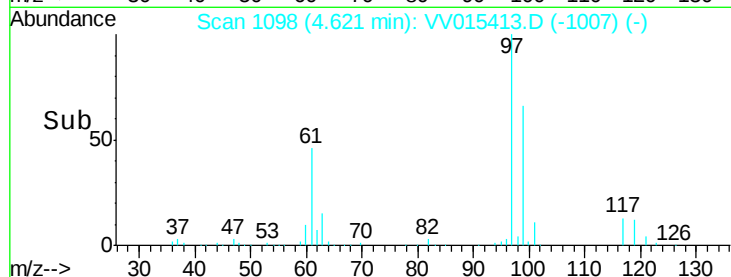
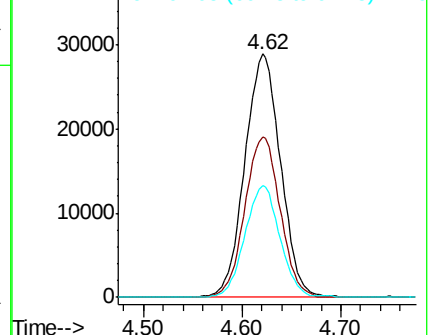


Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.226 ug/L

RT: 4.68 min Scan# 1116

Delta R.T. -0.01 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

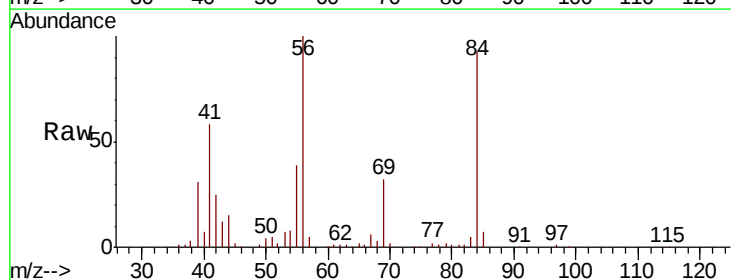
Tgt Ion: 56 Resp: 70481

Ion Ratio Lower Upper

56 100

69 32.9 25.4 38.0

84 93.5 73.6 110.4

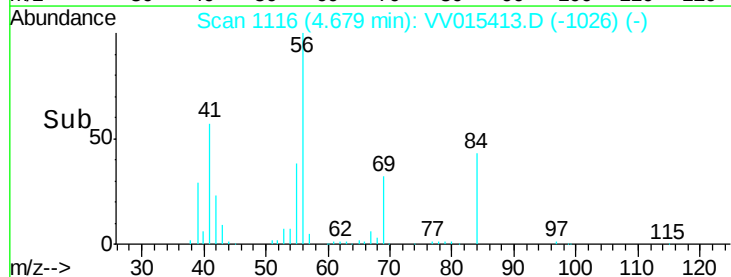
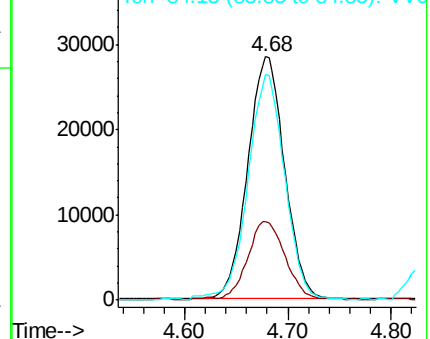


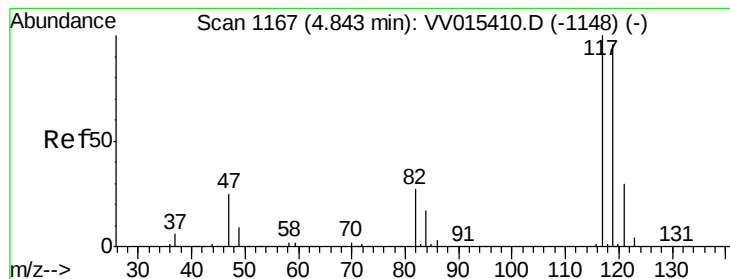
Abundance

Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.220 ug/L

RT: 4.84 min Scan# 1165

Delta R.T. -0.01 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

Instrument :

MSVOA_V

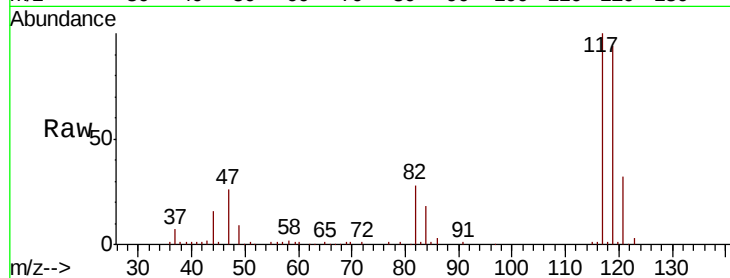
ClientSampleId :

Tot Ion:117 Resp: 63987

Ion Ratio Lower Upper

117 100

119 93.2 77.5 116.3



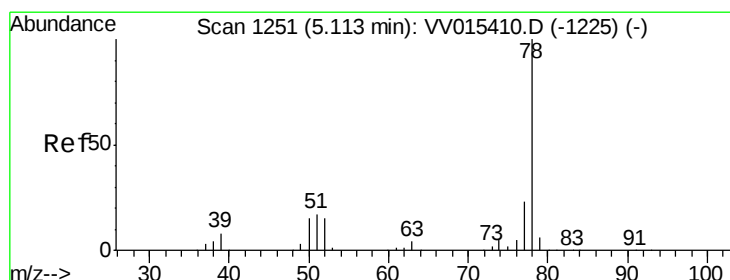
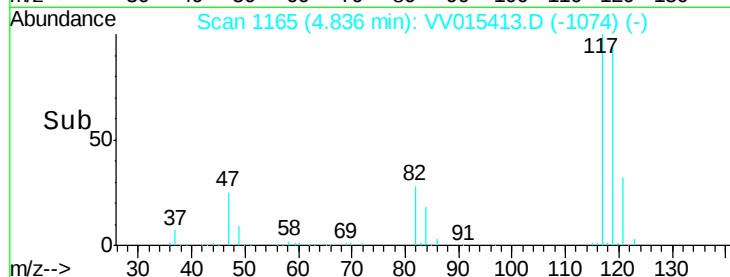
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.84

Time-->

Time-->



#33

Benzene

Concen: 5.171 ug/L

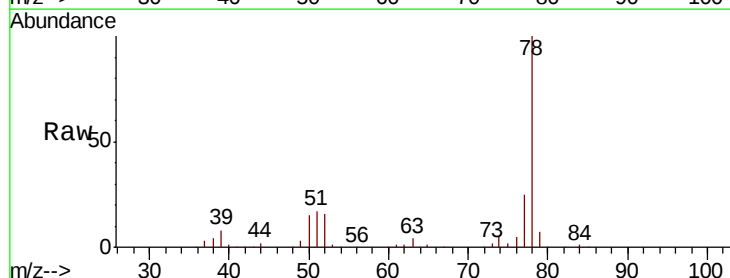
RT: 5.11 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

Tgt Ion: 78 Resp: 126117

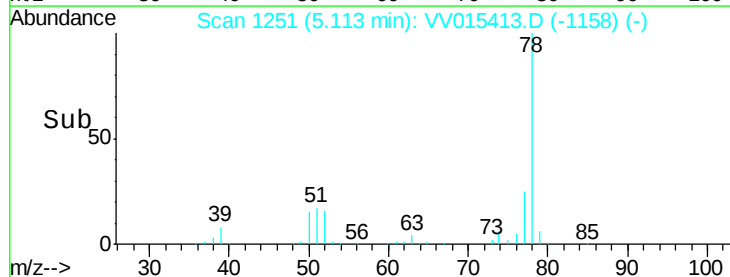


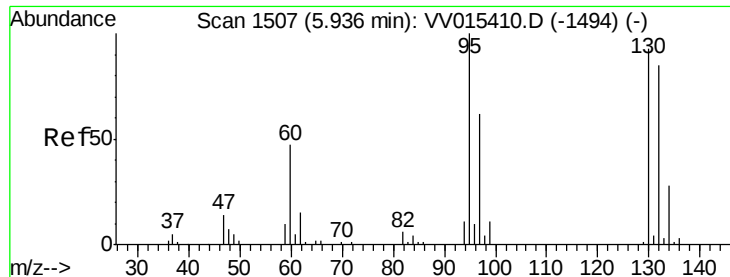
Abundance Ion 78.10 (77.80 to 78.80): VV0

5.11

Time-->

Time-->





#34

Trichloroethene

Concen: 5.177 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 35151

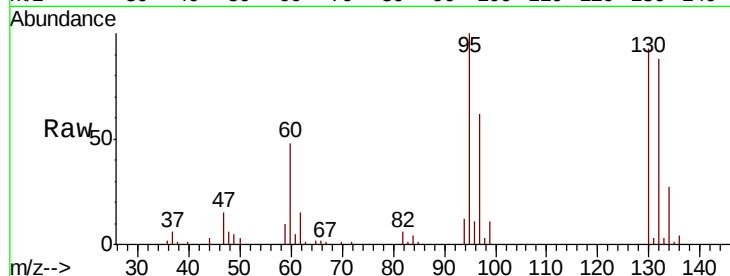
Ion Ratio Lower Upper

95 100

97 62.2 43.1 80.1

132 87.5 59.4 110.4

130 93.0 65.0 120.8

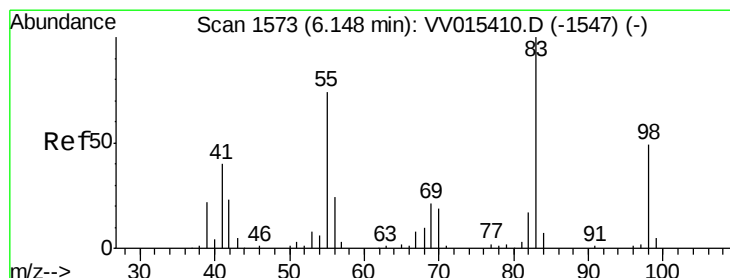
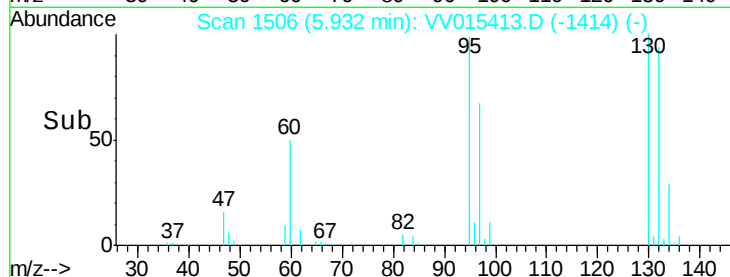
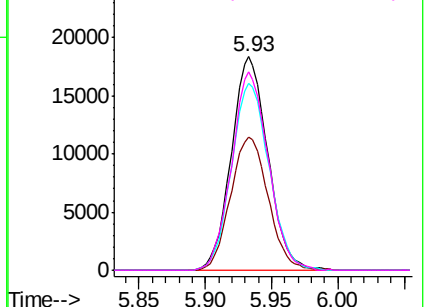


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.972 ug/L

RT: 6.14 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

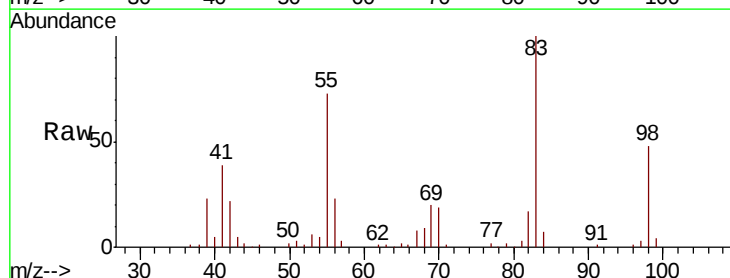
Tgt Ion: 83 Resp: 59789

Ion Ratio Lower Upper

83 100

55 74.3 52.8 79.2

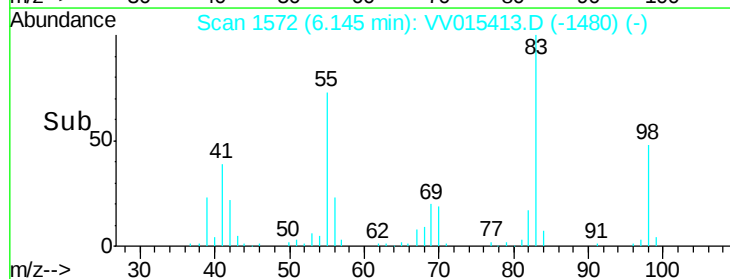
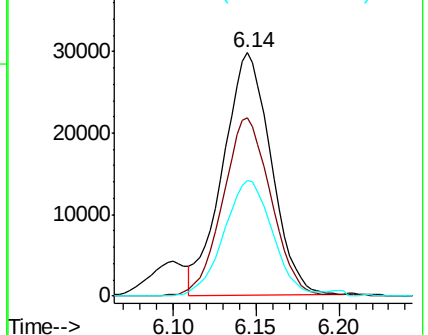
98 48.0 35.2 52.8

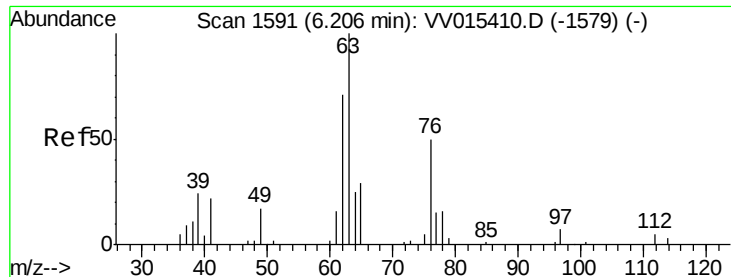


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.344 ug/L

RT: 6.20 min Scan# 1590

Delta R.T. -0.00 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

Instrument :

MSVOA_V

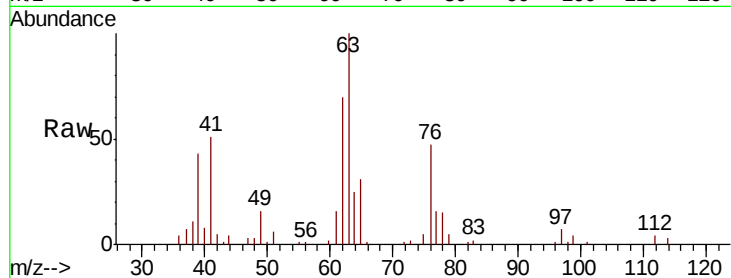
ClientSampleId :

Tot Ion: 63 Resp: 30267

Ion Ratio Lower Upper

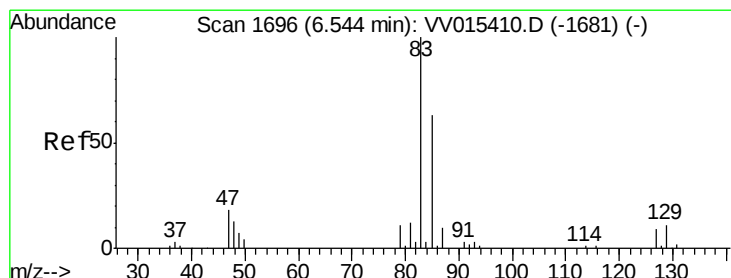
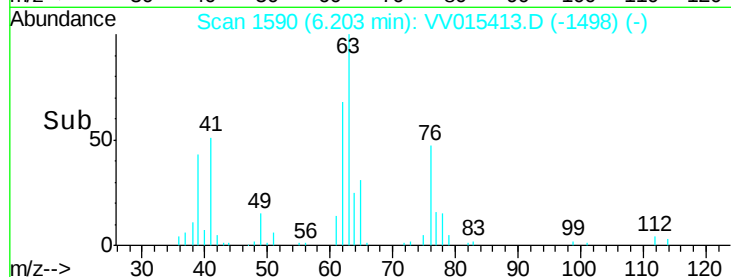
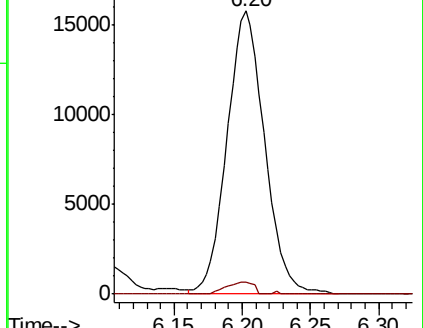
63 100

112 3.0 3.9 5.9#



Abundance Ion 63.10 (62.80 to 63.80): VV015413.D (-1498) (-)

Ion 112.10 (111.80 to 112.80): VV015413.D (-1498) (-)



#38

Bromodichloromethane

Concen: 5.170 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. -0.01 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

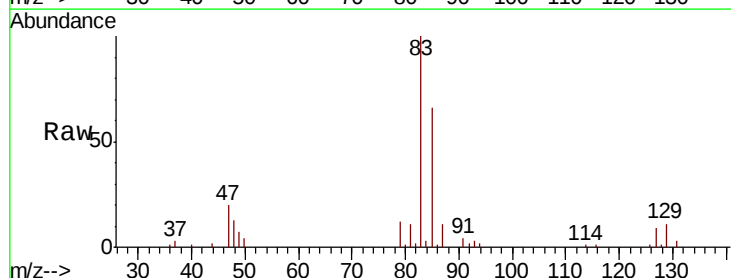
Tgt Ion: 83 Resp: 40696

Ion Ratio Lower Upper

83 100

85 65.7 44.2 82.2

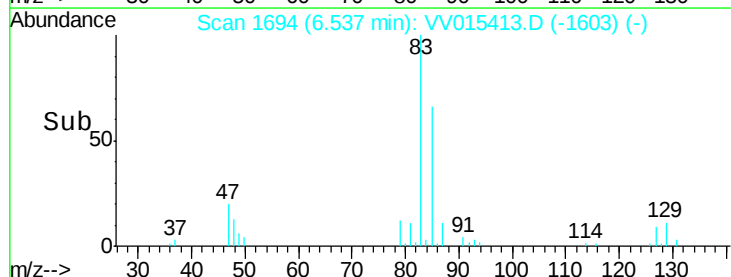
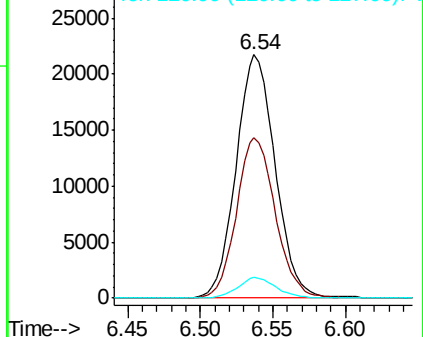
127 8.6 6.9 10.3

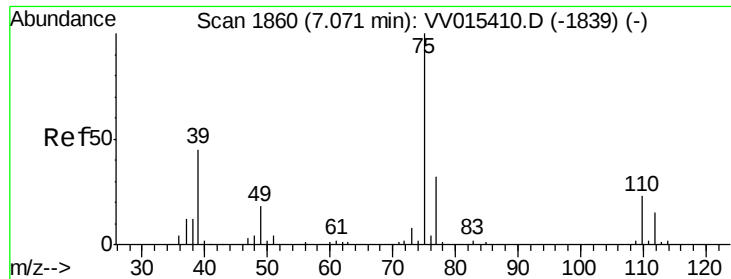


Abundance Ion 82.95 (82.65 to 83.65): VV015413.D (-1603) (-)

Ion 85.00 (84.70 to 85.70): VV015413.D (-1603) (-)

Ion 126.90 (126.60 to 127.60): VV015413.D (-1603) (-)

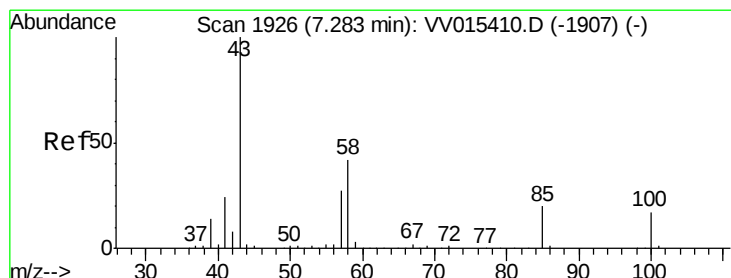
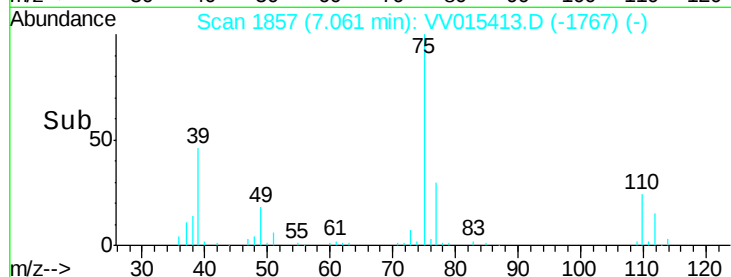
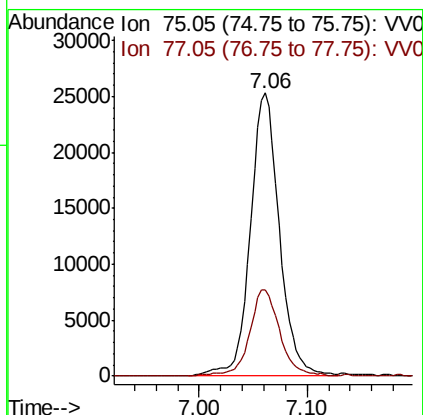
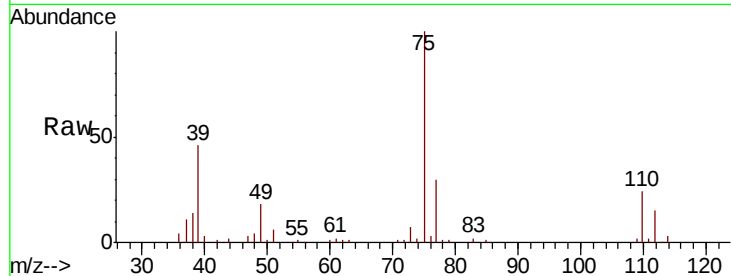




#39
 cis-1,3-Dichloropropene
 Concen: 5.285 ug/L
 RT: 7.06 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: VV015413.D
 Acq: 06 Apr 2020 15:29

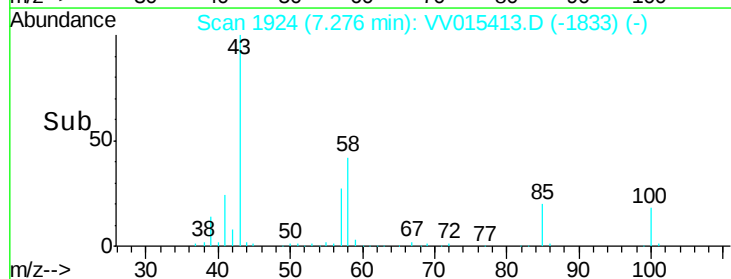
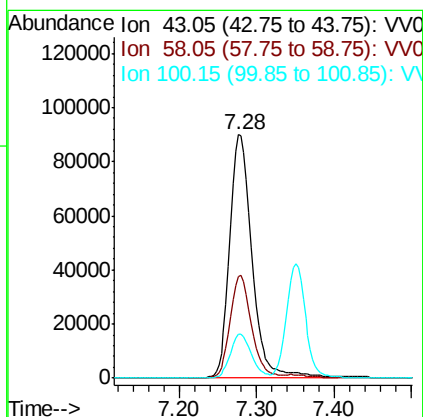
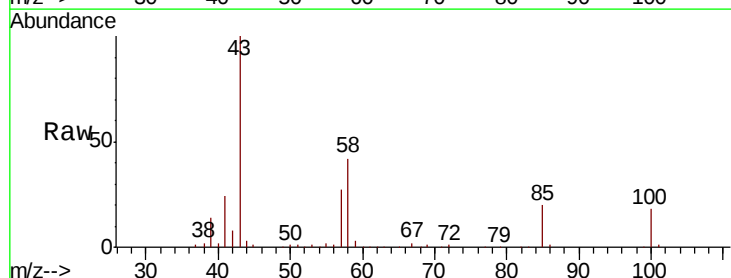
Instrument :
 MSVOA_V
 ClientSampled :

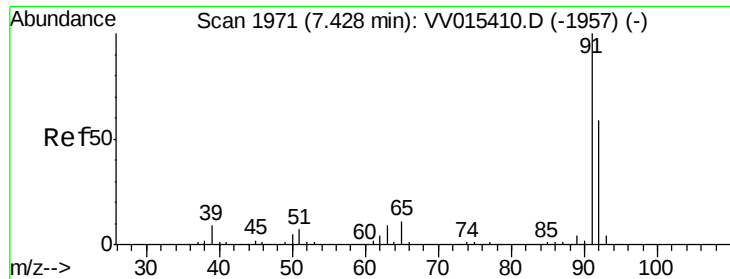
Tot Ion: 75 Resp: 47389
 Ion Ratio Lower Upper
 75 100
 77 30.4 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 56.844 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.01 min
 Lab File: VV015413.D
 Acq: 06 Apr 2020 15:29

Tgt Ion: 43 Resp: 179919
 Ion Ratio Lower Upper
 43 100
 58 40.1 33.0 49.6
 100 17.1 13.6 20.4





#42

Toluene

Concen: 5.300 ug/L

RT: 7.42 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

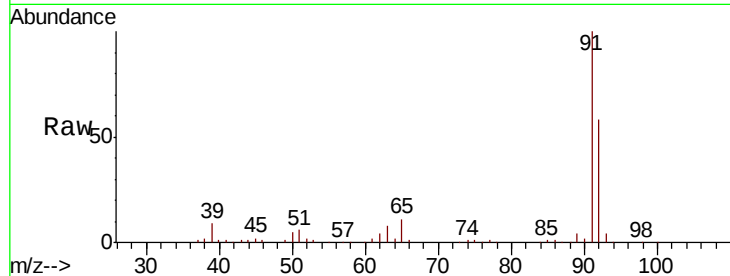
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 151411

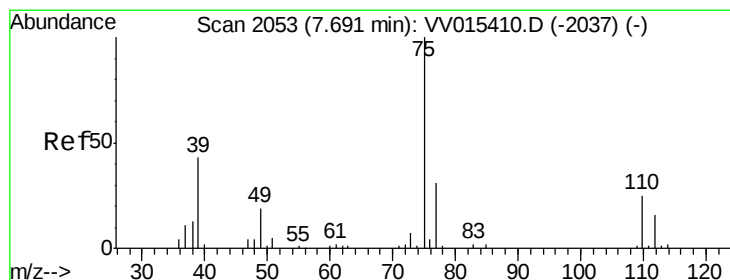
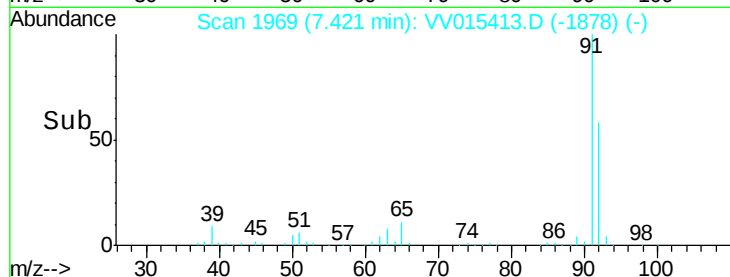
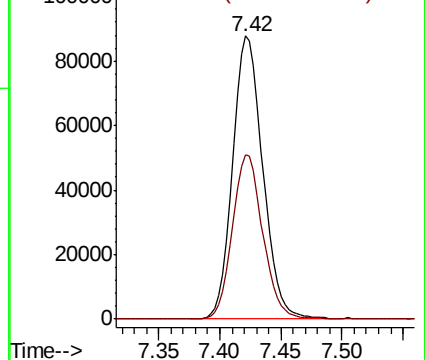
Ion Ratio Lower Upper

91 100

92 57.9 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.416 ug/L

RT: 7.68 min Scan# 2051

Delta R.T. -0.01 min

Lab File: VV015413.D

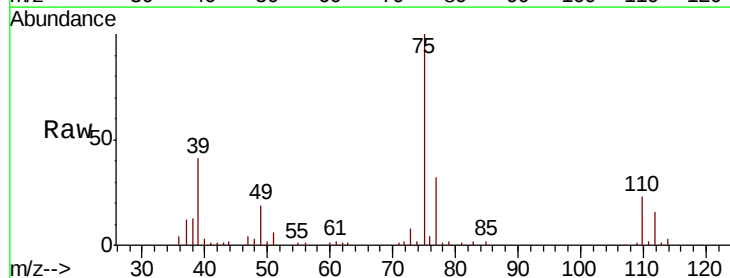
Acq: 06 Apr 2020 15:29

Tgt Ion: 75 Resp: 41295

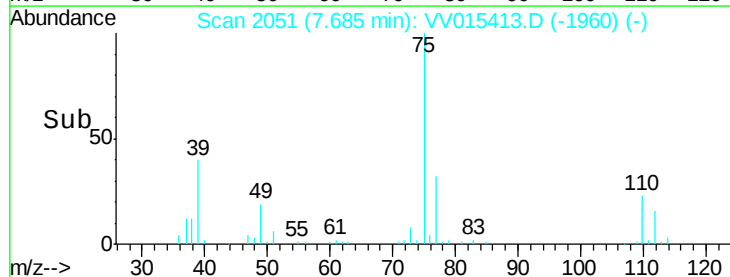
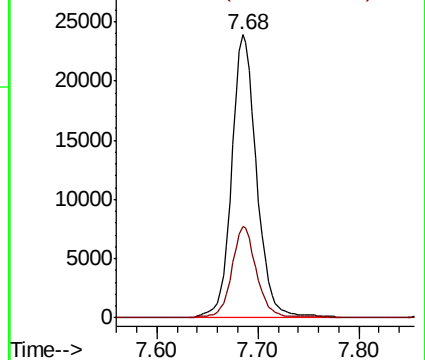
Ion Ratio Lower Upper

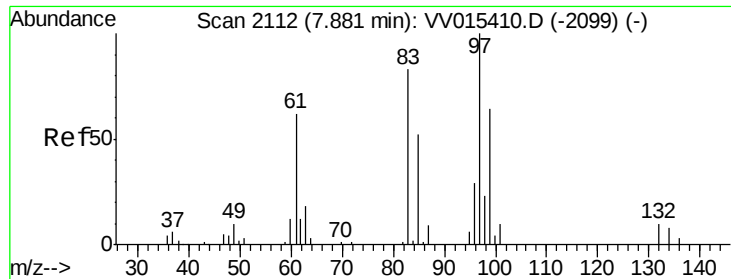
75 100

77 32.2 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0

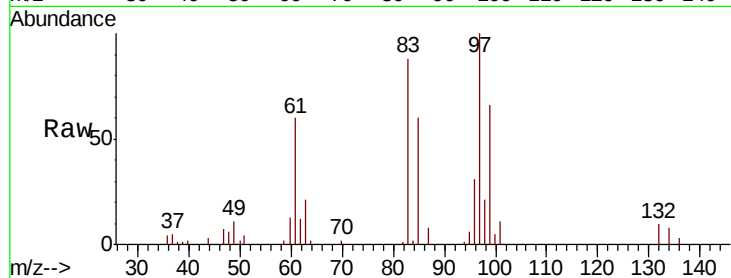




#45
 1,1,2-Trichloroethane
 Concen: 5.231 ug/L
 RT: 7.87 min Scan# 2110
 Delta R.T. -0.01 min
 Lab File: VV015413.D
 Acq: 06 Apr 2020 15:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	22579
Ion	Ratio	Lower	Upper
97	100		
99	66.1	44.9	83.3
83	87.9	58.3	108.3
85	59.8	36.6	68.0

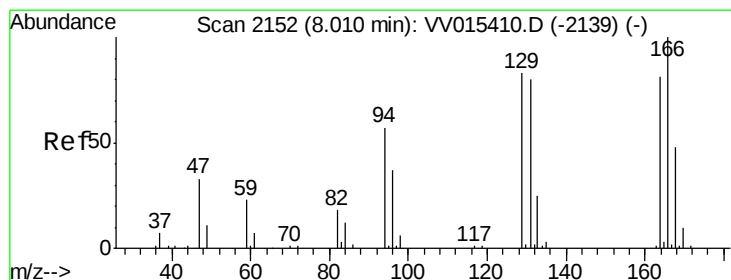
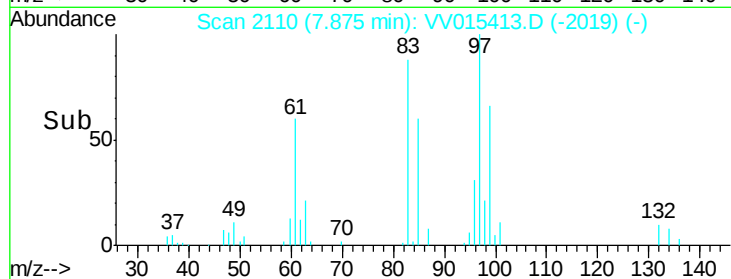
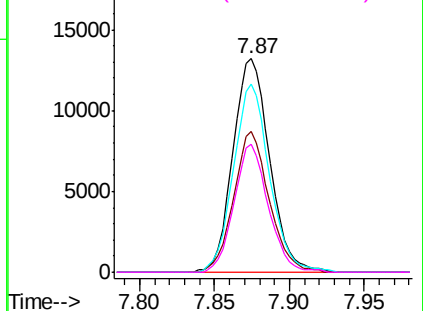


Abundance Ion 96.95 (96.65 to 97.65): VV015413.D (-2019) (-)

Ion 99.05 (98.75 to 99.75): VV015413.D (-2019) (-)

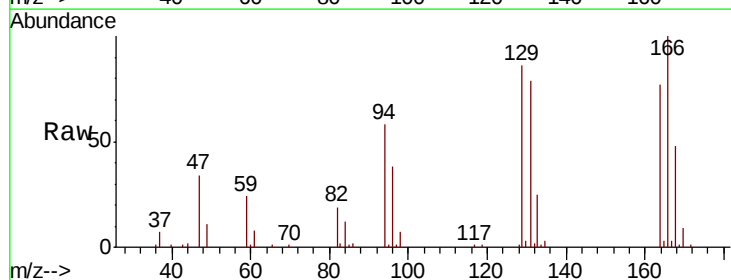
Ion 82.95 (82.65 to 83.65): VV015413.D (-2019) (-)

Ion 85.00 (84.70 to 85.70): VV015413.D (-2019) (-)



#47
 Tetrachloroethene
 Concen: 4.945 ug/L
 RT: 8.00 min Scan# 2150
 Delta R.T. -0.01 min
 Lab File: VV015413.D
 Acq: 06 Apr 2020 15:29

Tgt Ion:	164	Resp:	24541
Ion	Ratio	Lower	Upper
164	100		
129	111.4	71.6	133.0
131	102.4	69.1	128.3
166	129.3	86.1	159.9

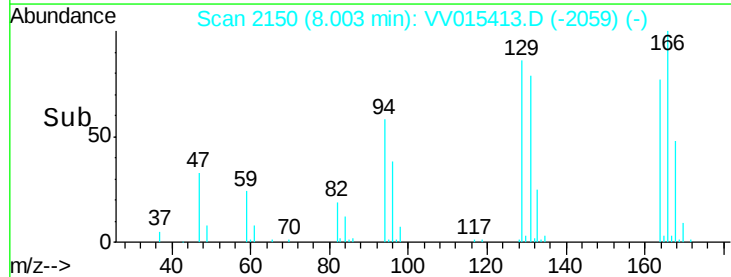
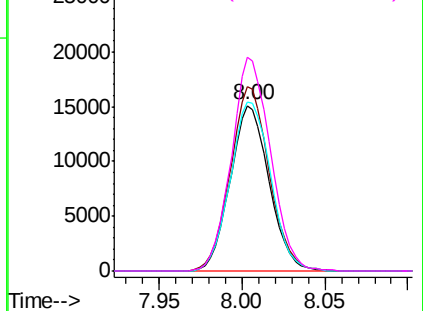


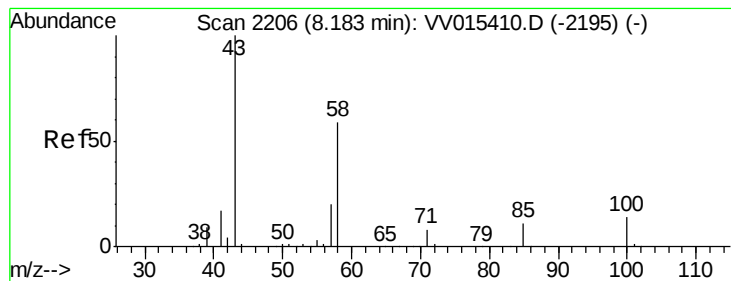
Abundance Ion 163.90 (163.60 to 164.60): VV015413.D (-2059) (-)

Ion 128.95 (128.65 to 129.65): VV015413.D (-2059) (-)

Ion 130.95 (130.65 to 131.65): VV015413.D (-2059) (-)

Ion 165.90 (165.60 to 166.60): VV015413.D (-2059) (-)





#48

2-Hexanone

Concen: 58.037 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 43 Resp: 130903

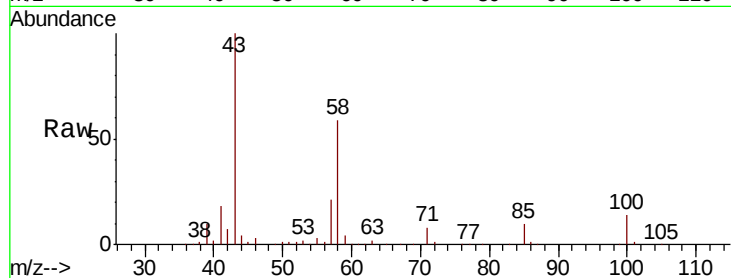
Ion Ratio Lower Upper

43 100

58 61.0 49.0 73.4

57 20.9 16.1 24.1

100 13.9 11.5 17.3

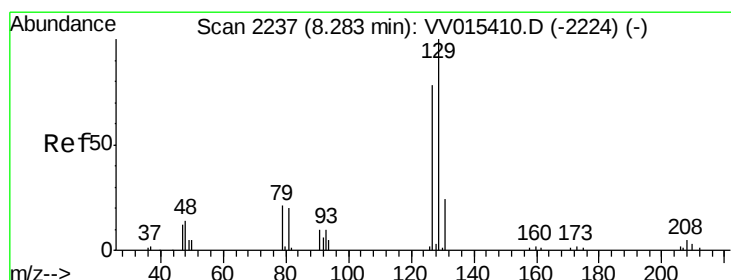
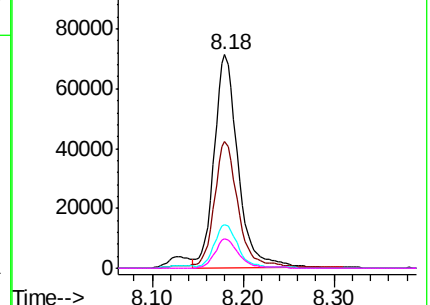
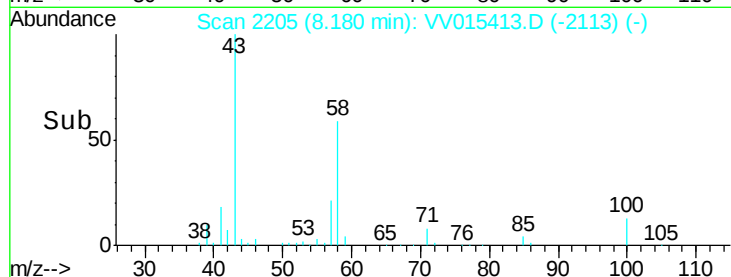


Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 5.239 ug/L

RT: 8.28 min Scan# 2236

Delta R.T. -0.00 min

Lab File: VV015413.D

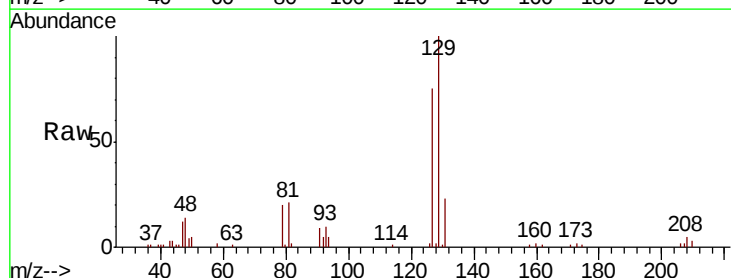
Acq: 06 Apr 2020 15:29

Tgt Ion: 129 Resp: 26598

Ion Ratio Lower Upper

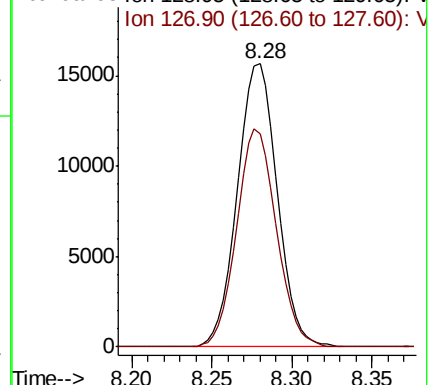
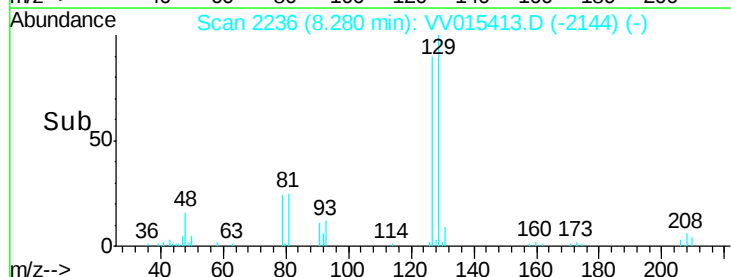
129 100

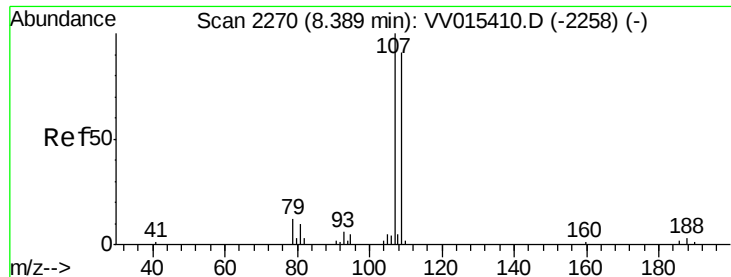
127 75.2 54.7 101.5



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

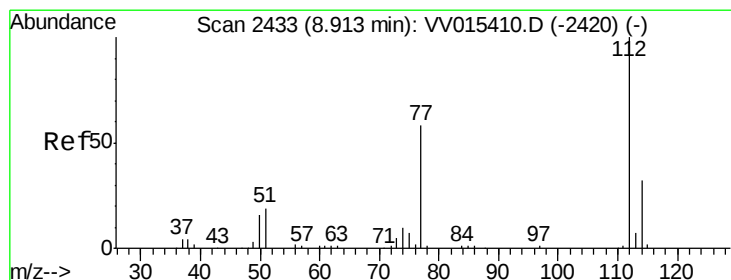
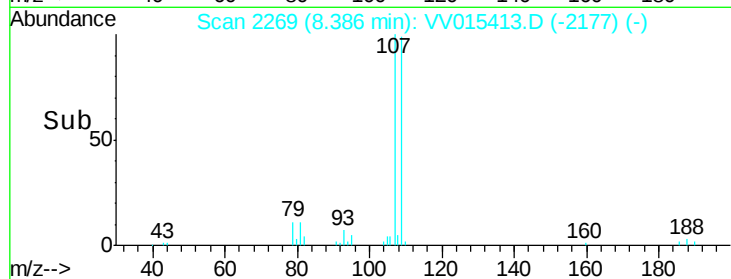
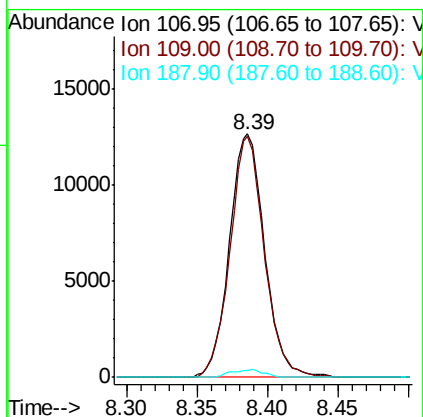
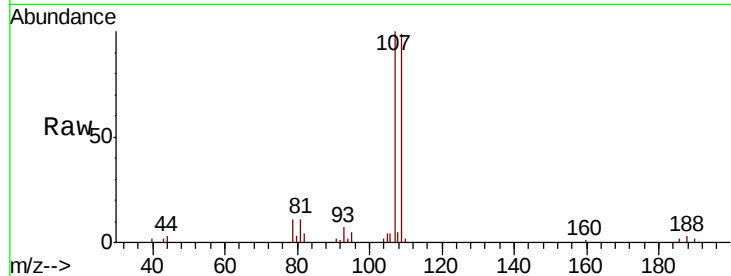




#50
1,2-Dibromoethane
Concen: 5.368 ug/L
RT: 8.39 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VV015413.D
Acq: 06 Apr 2020 15:29

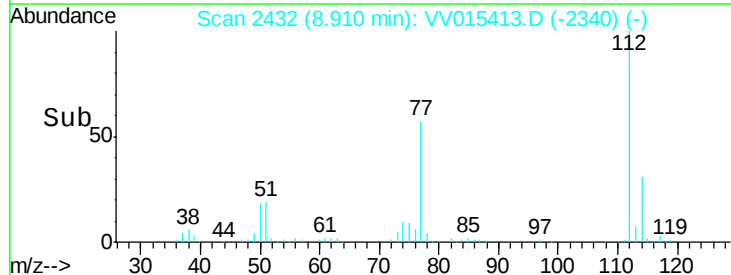
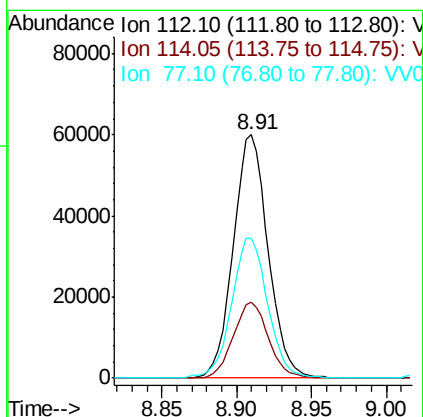
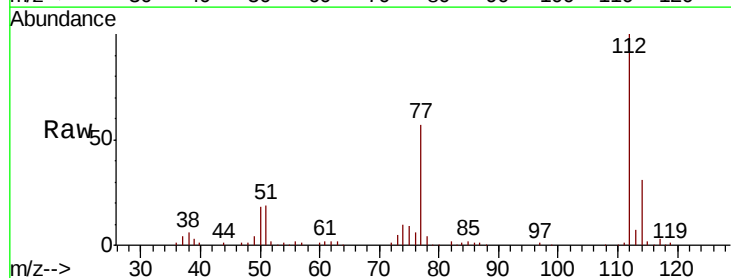
Instrument :
MSVOA_V
ClientSampleId :

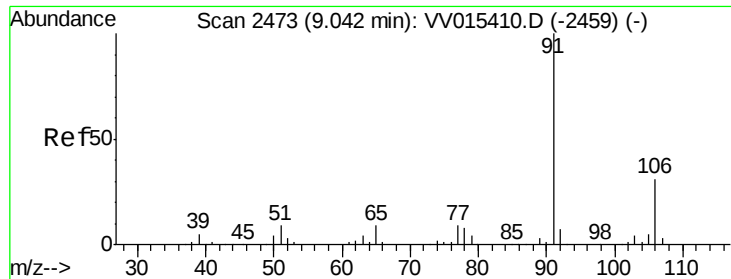
Tot Ion:107 Resp: 22064
Ion Ratio Lower Upper
107 100
109 99.1 63.5 117.9
188 3.0 2.6 4.0



#51
Chlorobenzene
Concen: 5.232 ug/L
RT: 8.91 min Scan# 2432
Delta R.T. -0.00 min
Lab File: VV015413.D
Acq: 06 Apr 2020 15:29

Tgt Ion:112 Resp: 97126
Ion Ratio Lower Upper
112 100
114 31.1 22.3 41.5
77 57.4 46.8 70.2

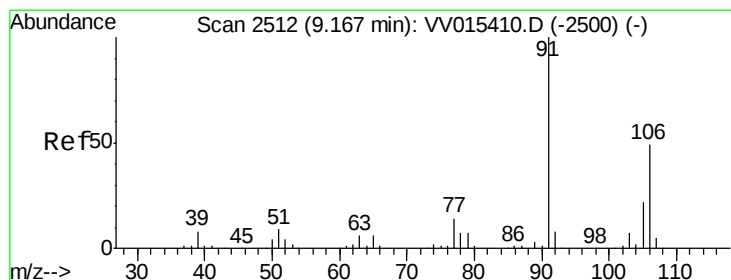
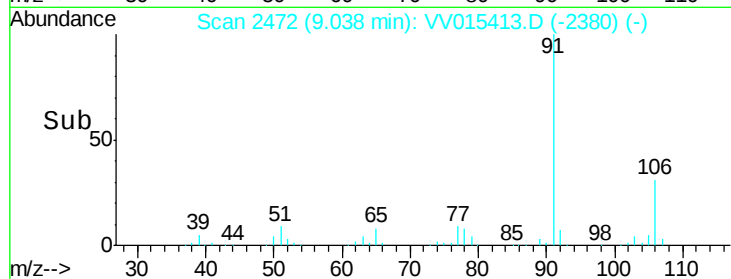
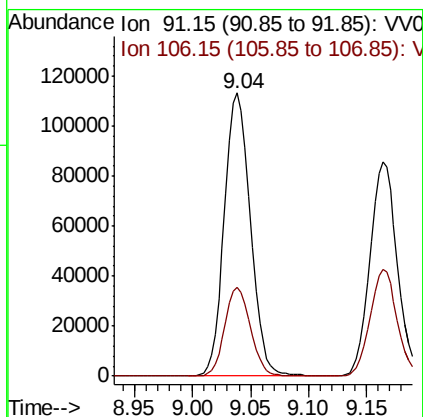
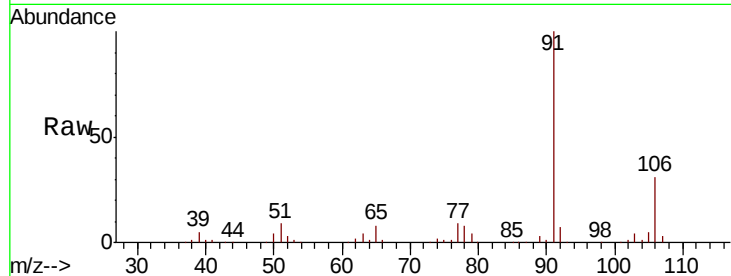




#52
Ethylbenzene
Concen: 5.351 ug/L
RT: 9.04 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VV015413.D
Acq: 06 Apr 2020 15:29

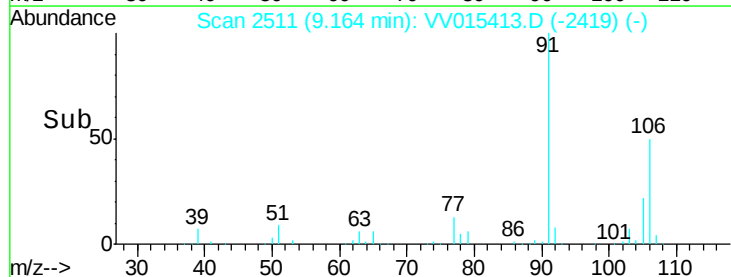
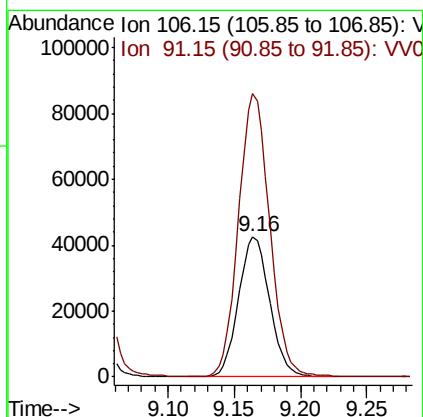
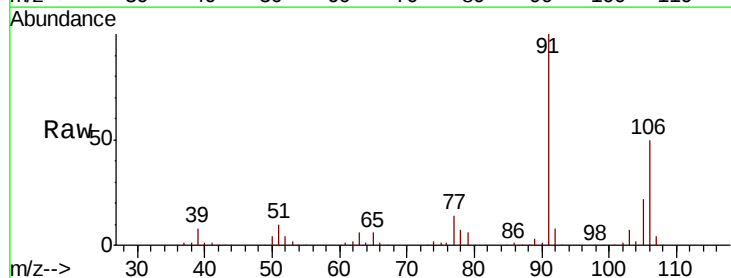
Instrument :
MSVOA_V
ClientSampleId :

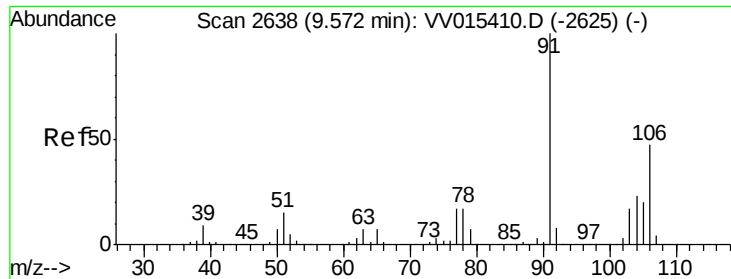
Tot Ion: 91 Resp: 176419
Ion Ratio Lower Upper
91 100
106 31.4 21.6 40.2



#53
m,p-xylene
Concen: 5.425 ug/L
RT: 9.16 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VV015413.D
Acq: 06 Apr 2020 15:29

Tgt Ion: 106 Resp: 69489
Ion Ratio Lower Upper
106 100
91 201.7 143.7 266.9

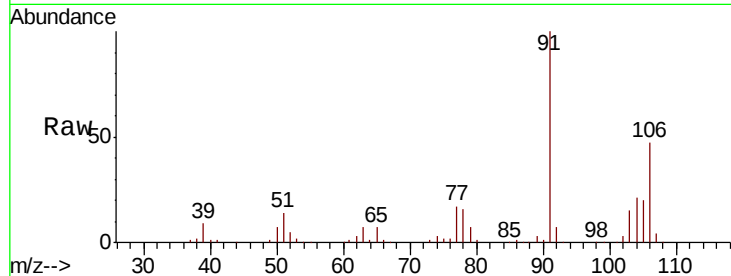




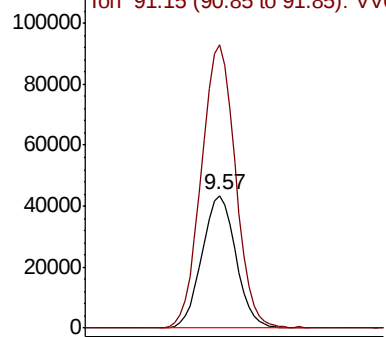
#54
o-xylene
Concen: 5.337 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. -0.00 min
Lab File: VV015413.D
Acq: 06 Apr 2020 15:29

Instrument :
MSVOA_V
ClientSampled :

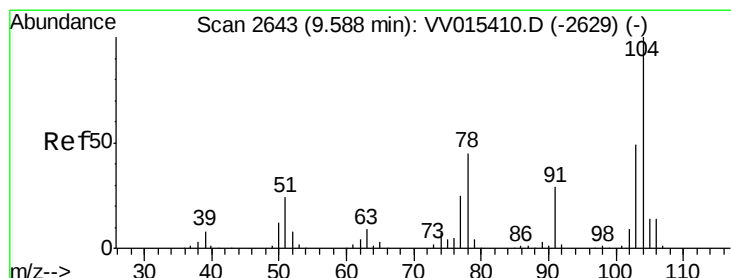
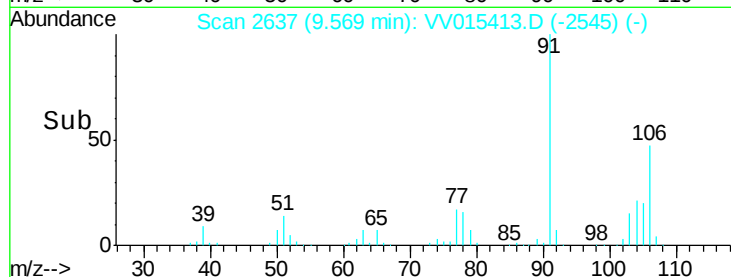
Tot Ion:106 Resp: 66045
Ion Ratio Lower Upper
106 100
91 213.6 149.9 278.5



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

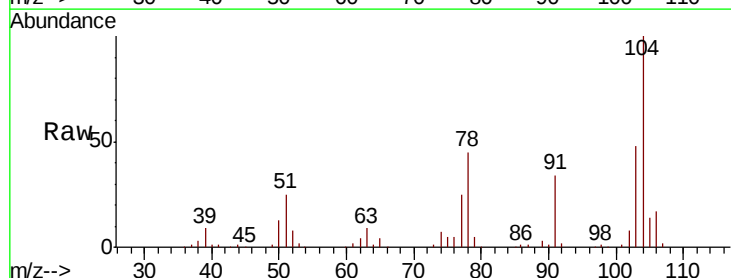


Time-->

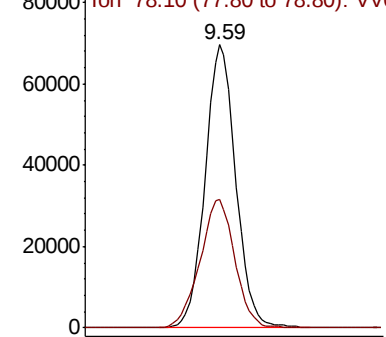


#55
Styrene
Concen: 5.482 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV015413.D
Acq: 06 Apr 2020 15:29

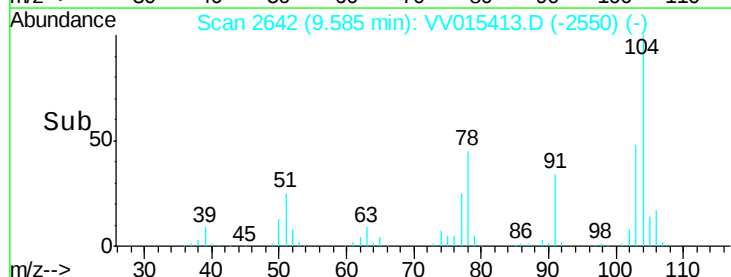
Tgt Ion:104 Resp: 111770
Ion Ratio Lower Upper
104 100
78 45.3 31.7 58.9

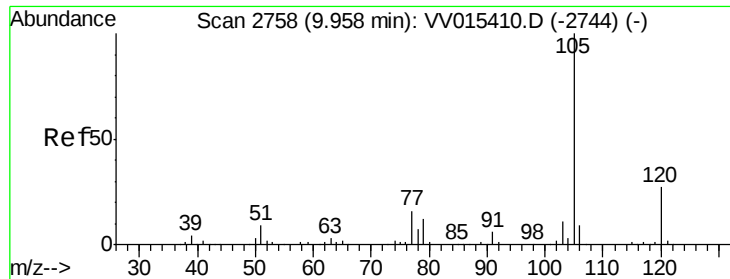


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0



Time-->





#56

Isopropylbenzene

Concen: 5.369 ug/L

RT: 9.95 min Scan# 2757

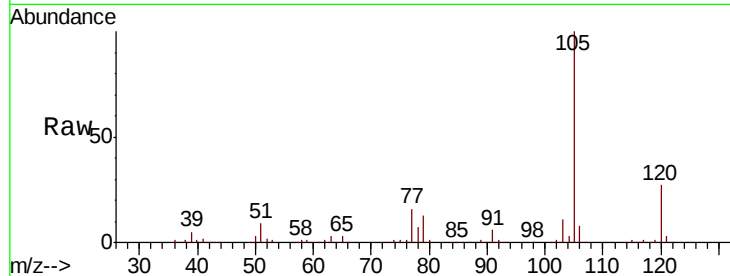
Delta R.T. -0.00 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

Instrument :
MSVOA_V
ClientSampleId :

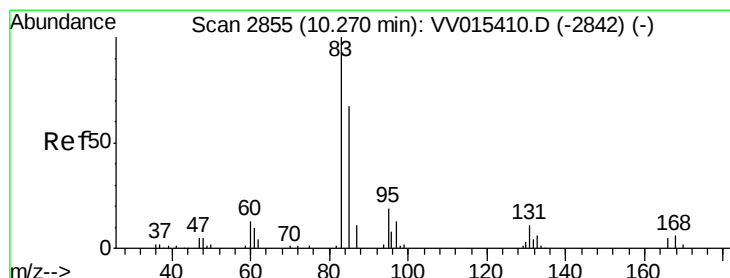
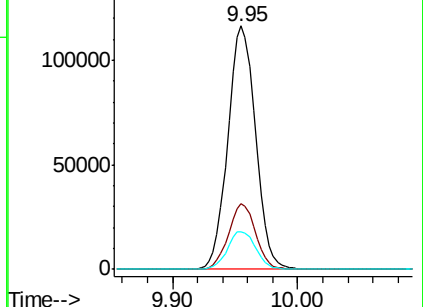
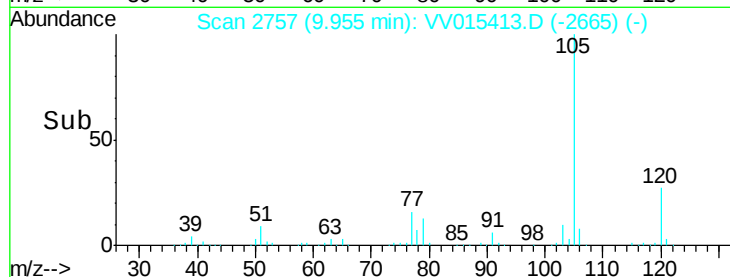
Tot Ion:	105	Resp:	178137
Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.2	31.8
77	15.8	12.6	19.0



Abundance Ion 105.05 (104.75 to 105.75): VV015413.D (-2665) (-)

Ion 120.10 (119.80 to 120.80): VV015413.D (-2665) (-)

Ion 77.10 (76.80 to 77.80): VV015413.D (-2665) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.504 ug/L

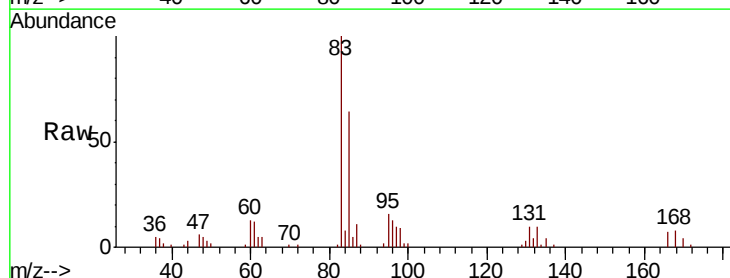
RT: 10.27 min Scan# 2854

Delta R.T. -0.00 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

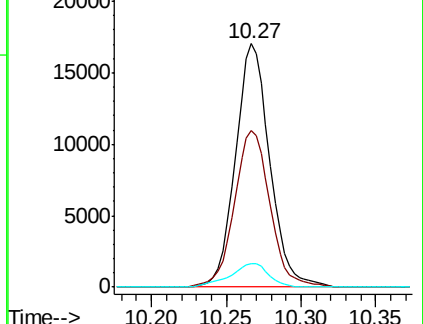
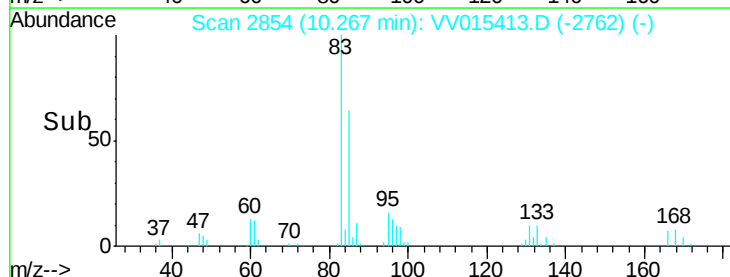
Tgt Ion:	83	Resp:	27125
Ion	Ratio	Lower	Upper
83	100		
85	64.5	46.7	86.7
131	9.8	8.5	12.7

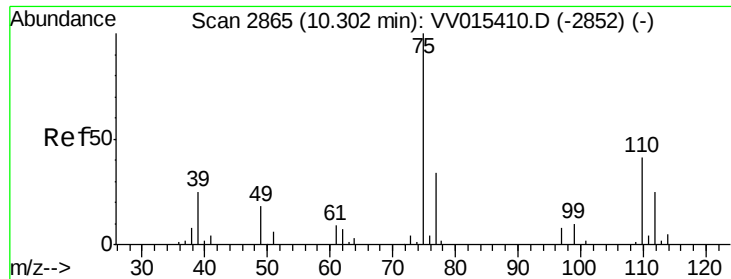


Abundance Ion 82.95 (82.65 to 83.65): VV015413.D (-2762) (-)

Ion 85.00 (84.70 to 85.70): VV015413.D (-2762) (-)

Ion 130.95 (130.65 to 131.65): VV015413.D (-2762) (-)

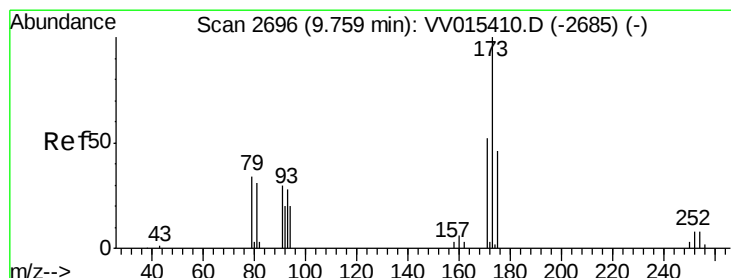
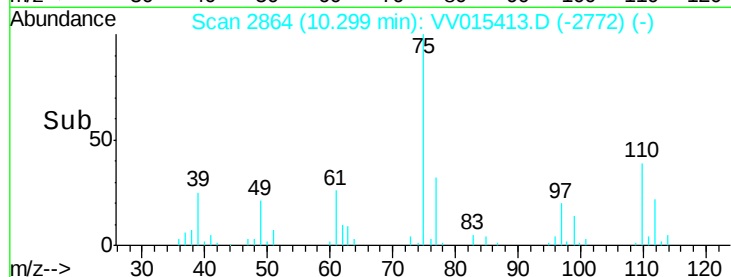
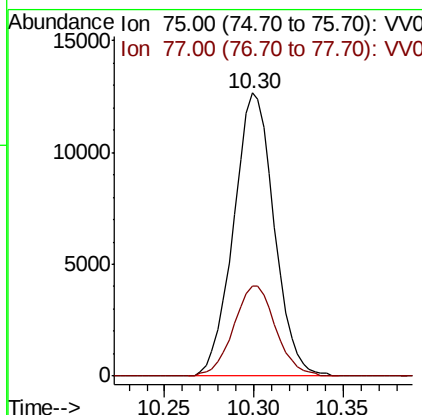
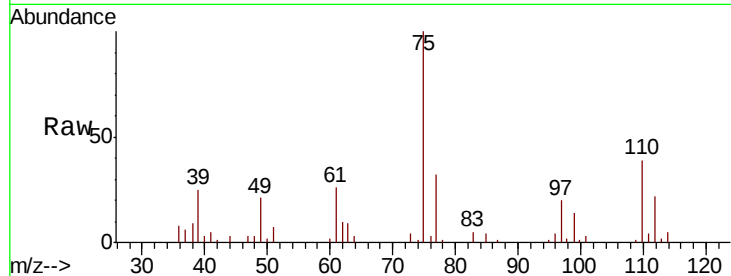




#59
 1,2,3-Trichloropropane
 Concen: 5.431 ug/L
 RT: 10.30 min Scan# 2864
 Delta R.T. -0.00 min
 Lab File: VV015413.D
 Acq: 06 Apr 2020 15:29

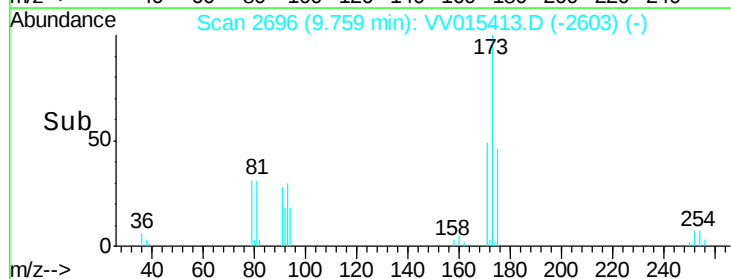
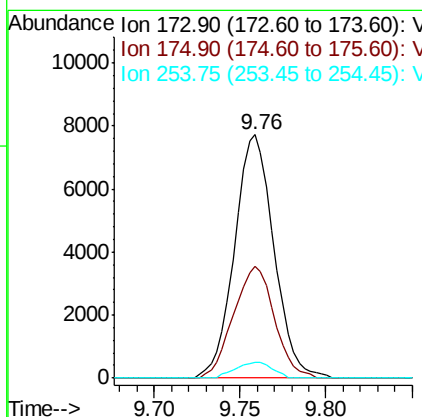
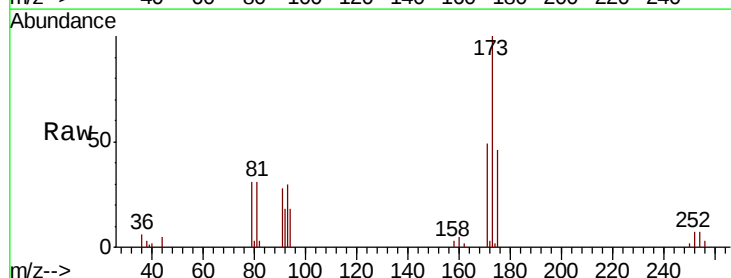
Instrument :
 MSVOA_V
 ClientSampleId :

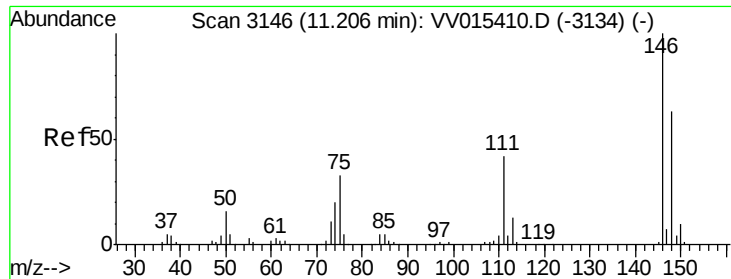
Tot Ion: 75 Resp: 20087
 Ion Ratio Lower Upper
 75 100
 77 33.1 27.7 41.5



#61
 Bromoform
 Concen: 5.364 ug/L
 RT: 9.76 min Scan# 2696
 Delta R.T. -0.00 min
 Lab File: VV015413.D
 Acq: 06 Apr 2020 15:29

Tgt Ion: 173 Resp: 12293
 Ion Ratio Lower Upper
 173 100
 175 47.4 37.8 56.8
 254 6.1 5.4 8.2





#62

1,3-Dichlorobenzene

Concen: 5.217 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. -0.00 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

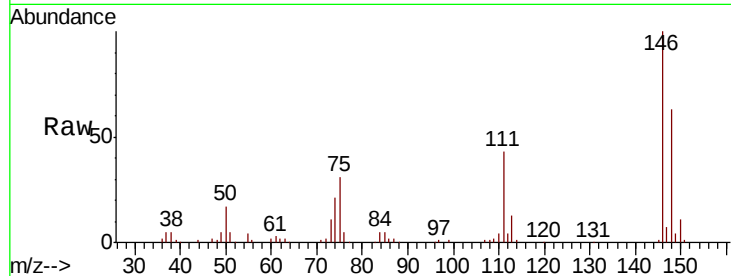
Tot Ion:146 Resp: 76833

Ion Ratio Lower Upper

146 100

111 43.4 29.1 54.1

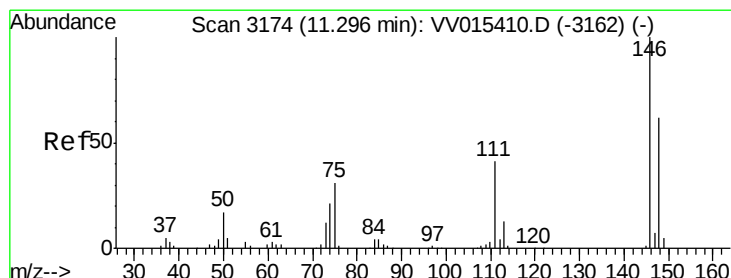
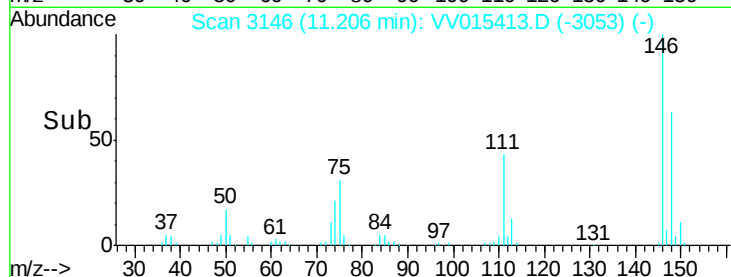
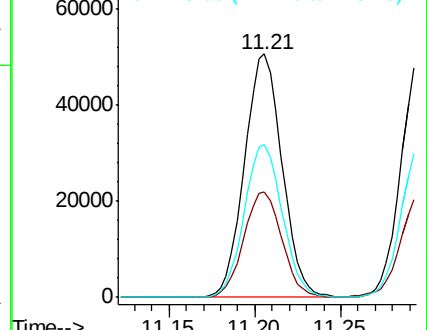
148 62.8 44.2 82.0



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: 5.276 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

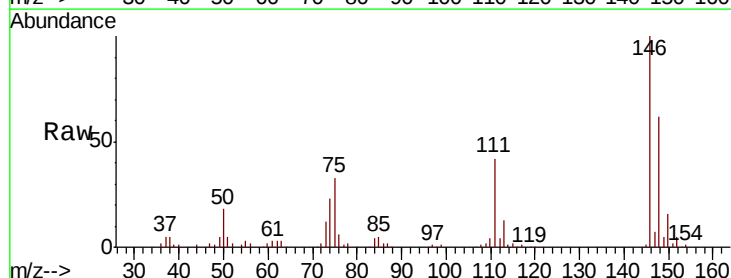
Tgt Ion:146 Resp: 78203

Ion Ratio Lower Upper

146 100

111 41.8 28.8 53.4

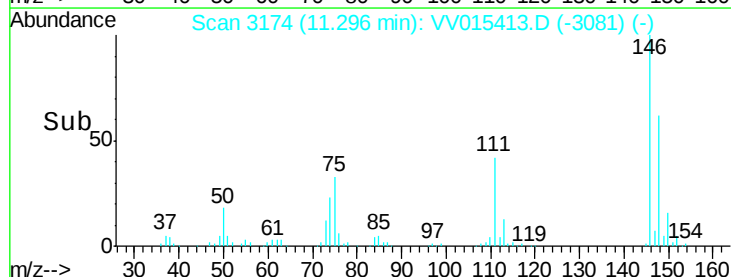
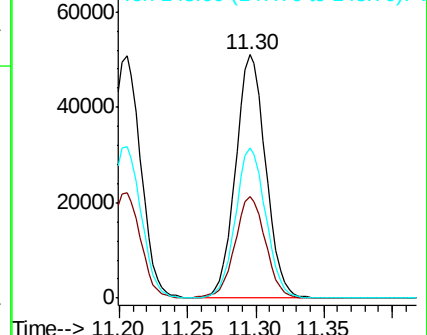
148 61.5 43.6 81.0

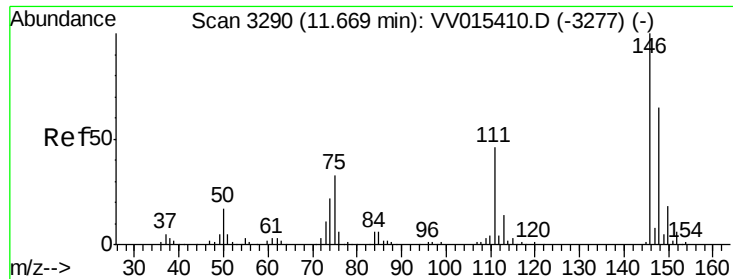


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.310 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. -0.00 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

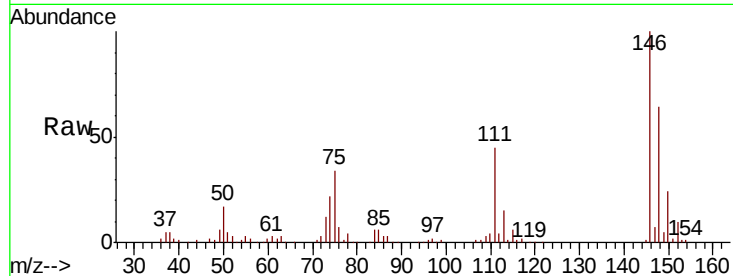
Tot Ion:146 Resp: 69596

Ion Ratio Lower Upper

146 100

111 44.6 37.1 55.7

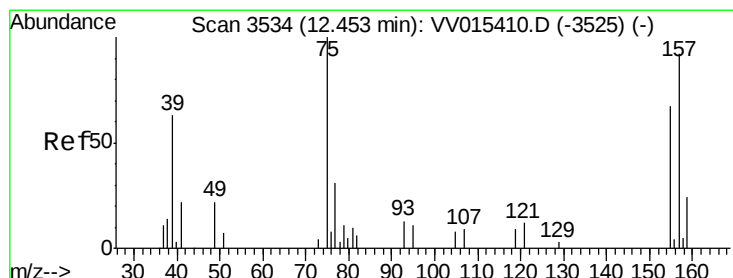
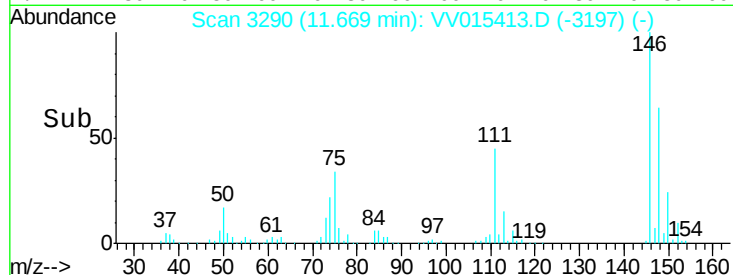
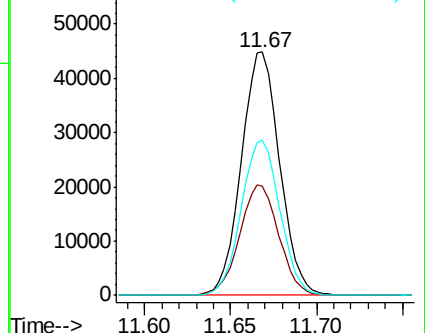
148 63.6 51.6 77.4



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: 5.403 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. -0.00 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

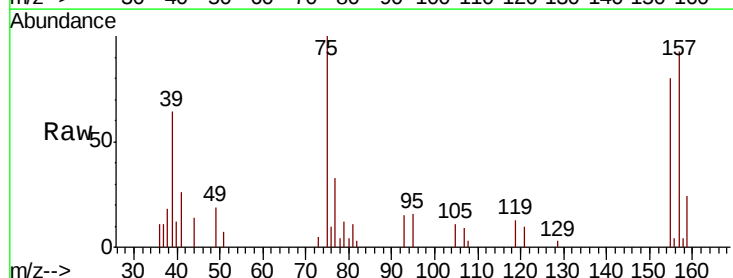
Tgt Ion: 75 Resp: 5046

Ion Ratio Lower Upper

75 100

155 79.6 53.8 80.8

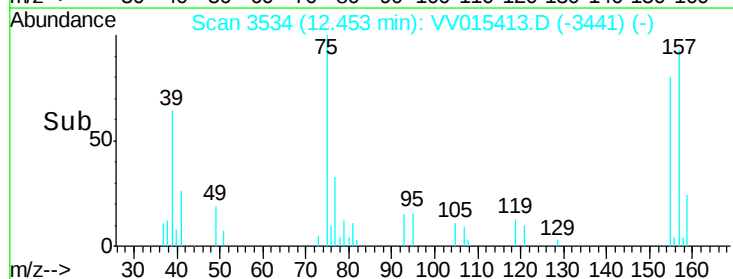
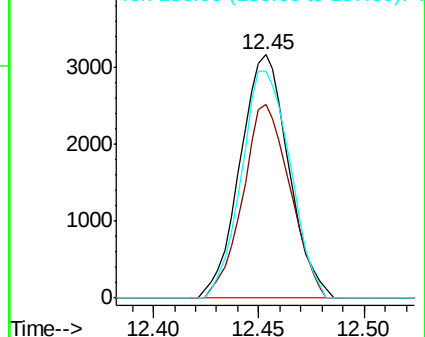
157 93.4 73.9 110.9

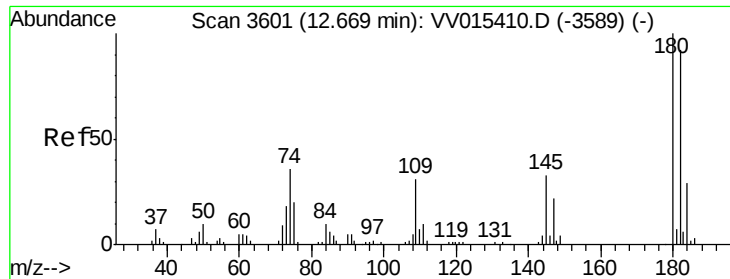


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

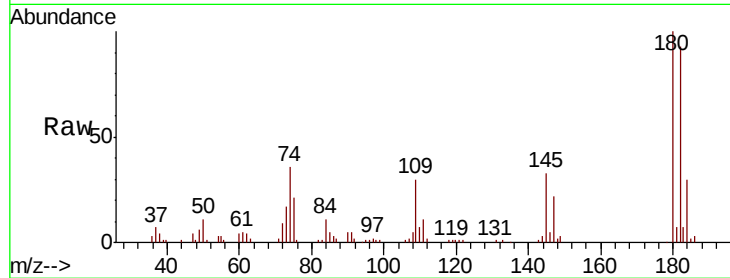




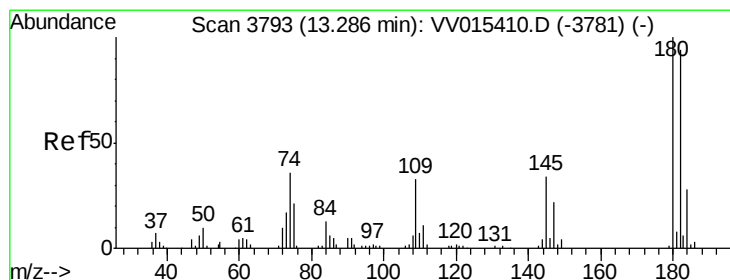
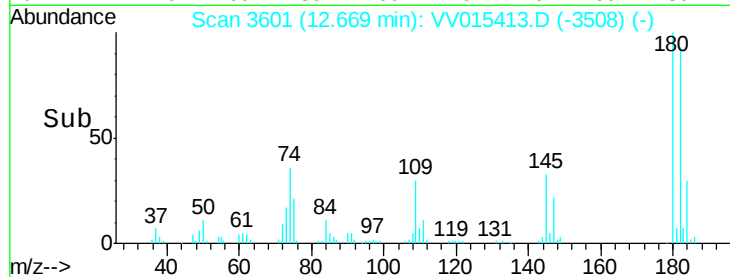
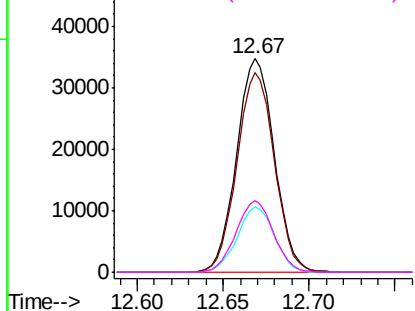
#67
 1,3,5-Trichlorobenzene
 Concen: 5.203 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015413.D
 Acq: 06 Apr 2020 15:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 52835
 Ion Ratio Lower Upper
 180 100
 182 92.9 74.5 111.7
 184 30.2 23.0 34.4
 145 33.2 26.4 39.6

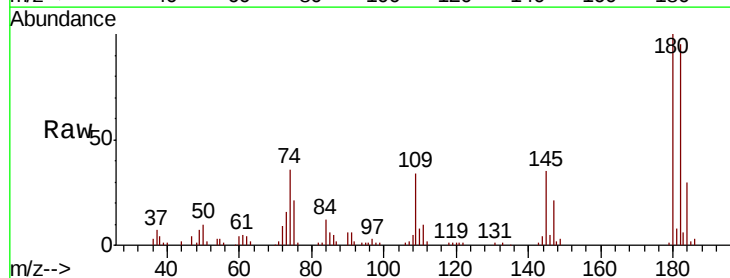


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

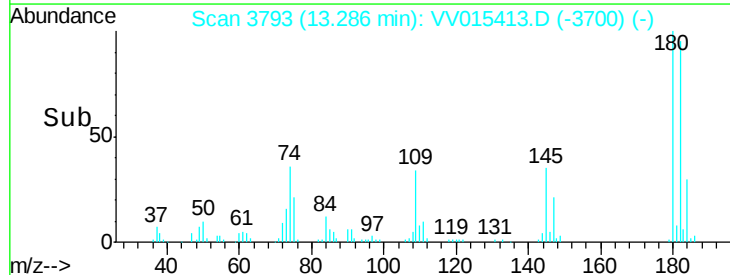
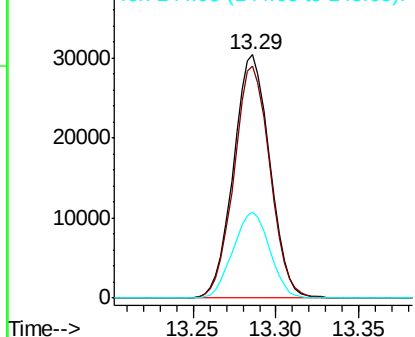


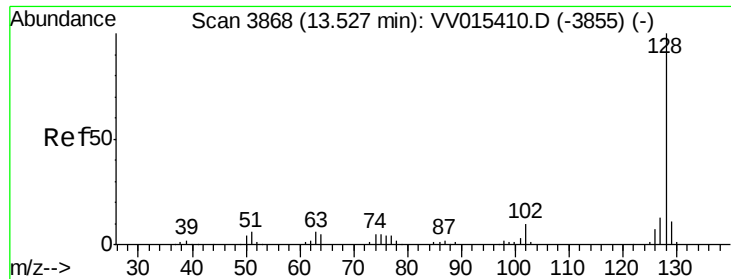
#68
 1,2,4-trichlorobenzene
 Concen: 5.207 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015413.D
 Acq: 06 Apr 2020 15:29

Tgt Ion:180 Resp: 46369
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.4 113.2
 145 35.5 28.0 42.0



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: 4.835 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

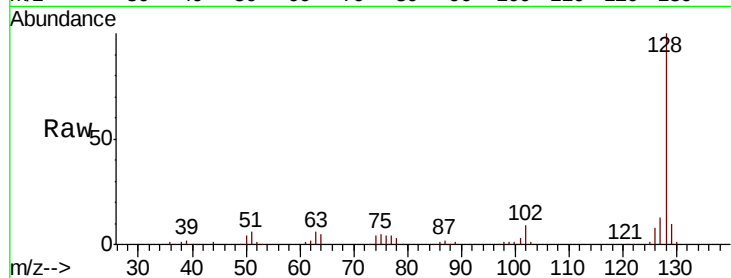
Tot Ion:128 Resp: 101144

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

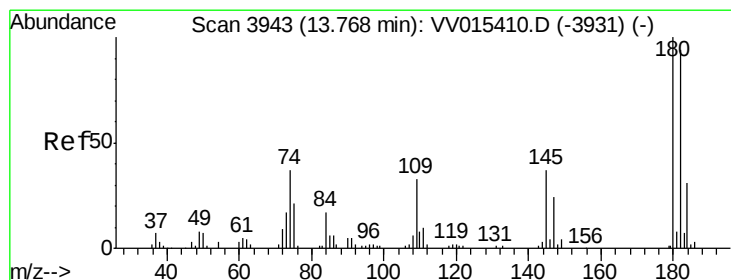
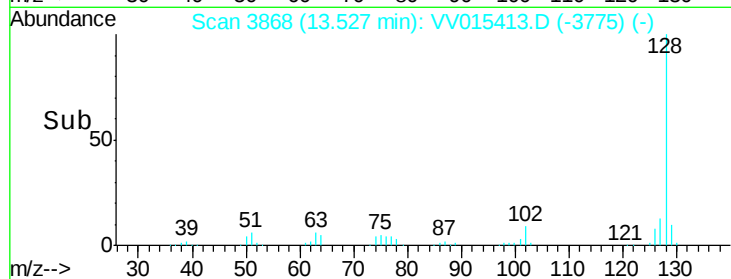
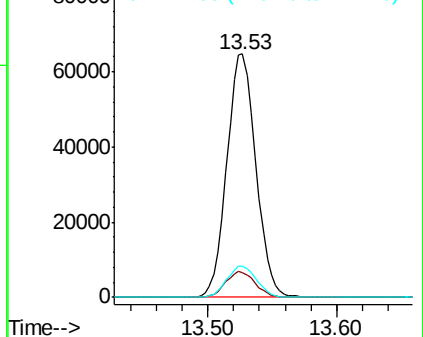
127 13.1 10.1 15.1



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: 5.513 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015413.D

Acq: 06 Apr 2020 15:29

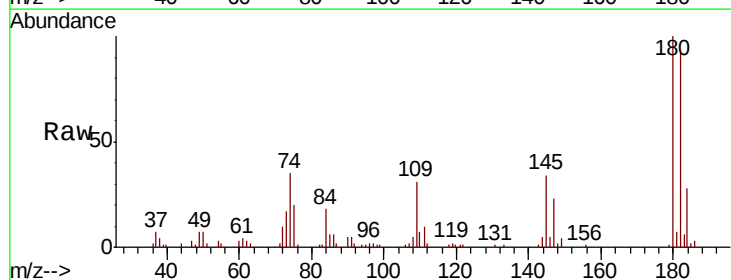
Tgt Ion:180 Resp: 42239

Ion Ratio Lower Upper

180 100

182 92.6 75.0 112.4

145 35.3 29.3 43.9



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

