

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060220\
 Data File : VV016426.D
 Acq On : 02 Jun 2020 13:02
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

Quant Time: Jun 02 18:21:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 02 16:49:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	78594	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	77929	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	37643	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27631	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.58	69	23776	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.13	63	55318	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.00%
20) 2-Butanone-d5	3.94	46	85214	57.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.80%
24) Chloroform-d	4.37	84	53565	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.06	65	31726	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.07	84	111689	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.09	67	35581	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.34	98	101016	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
45) trans-1,3-Dichloropropene-	7.64	79	12555	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
48) 2-Hexanone-d5	8.11	63	65998	57.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.04%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	26412	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	33894	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	36101	5.64	ug/L	99
3) Chloromethane	1.25	50	38647	4.93	ug/L	97
5) Vinyl chloride	1.32	62	37723	5.38	ug/L	99
6) Bromomethane	1.53	94	17162	4.36	ug/L	97
8) Chloroethane	1.60	64	22433	5.31	ug/L	95
9) Trichlorofluoromethane	1.77	101	53957	5.68	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	29366	5.52	ug/L	98
12) 1,1-Dichloroethene	2.14	96	27774	5.49	ug/L	96
13) Acetone	2.22	43	47543	47.61	ug/L	99
14) Carbon disulfide	2.31	76	80194	5.21	ug/L	98
15) Methyl Acetate	2.46	43	11832	4.72	ug/L	97
16) Methylene chloride	2.52	84	29001	5.36	ug/L	99
17) Methyl tert-butyl Ether	2.79	73	67183	5.67	ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	28769	5.36	ug/L	96
19) 1,1-Dichloroethane	3.21	63	58162	5.49	ug/L	98
21) 2-Butanone	4.02	43	87587	59.48	ug/L	95
22) cis-1,2-Dichloroethene	3.94	96	34189	5.77	ug/L	98

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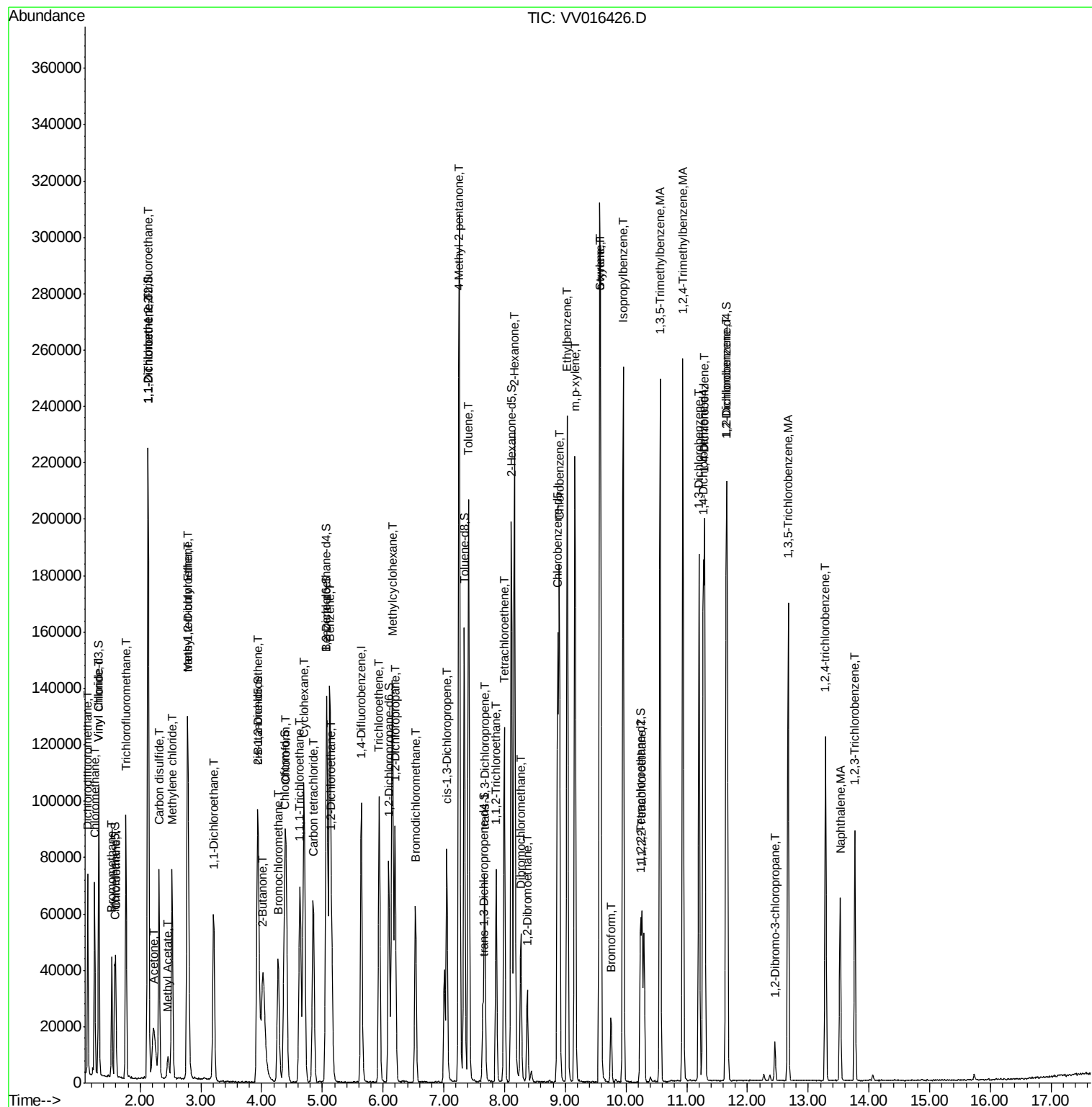
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	14138	6.11	ug/L	92
25) Chloroform	4.40	83	69924	6.59	ug/L	97
27) 1,2-Dichloroethane	5.15	62	39031	5.58	ug/L	97
29) 1,1,1-Trichloroethane	4.63	97	55042	5.99	ug/L	97
30) Cyclohexane	4.70	56	55718	5.63	ug/L	98
31) Carbon tetrachloride	4.85	117	45831	5.79	ug/L	100
33) Benzene	5.12	78	132958	5.76	ug/L	100
34) Trichloroethene	5.94	95	34417	5.69	ug/L	98
35) Methylcyclohexane	6.15	83	54162	5.56	ug/L	99
37) 1,2-Dichloropropane	6.20	63	33456	5.73	ug/L	100
38) Bromodichloromethane	6.53	83	40320	5.75	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	45274	5.87	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	210472	59.74	ug/L	100
42) Toluene	7.41	91	140747	5.74	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	124760	5.73	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	130377	5.88	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	37465	5.88	ug/L	97
47) 1,1,2-Trichloroethane	7.86	97	22053	5.91	ug/L	96
49) Tetrachloroethene	8.00	164	24643	5.55	ug/L	98
50) 2-Hexanone	8.16	43	149414	60.80	ug/L	99
51) Dibromochloromethane	8.27	129	23172	5.94	ug/L	95
52) 1,2-Dibromoethane	8.37	107	20453	5.80	ug/L	100
53) Chlorobenzene	8.90	112	87131	5.66	ug/L	98
54) Ethylbenzene	9.03	91	158863	5.87	ug/L	98
55) m,p-xylene	9.16	106	58740	5.80	ug/L	99
56) o-xylene	9.57	106	55201	5.79	ug/L	99
57) Styrene	9.58	104	97042	5.96	ug/L	99
58) Isopropylbenzene	9.95	105	150527	5.79	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	26534	5.64	ug/L	99
62) Bromoform	9.76	173	9653	6.07	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	67097	5.79	ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	68545	5.72	ug/L	97
66) 1,2-Dichlorobenzene	11.67	146	60551	5.61	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	3543	5.04	ug/L	91
68) 1,3,5-Trichlorobenzene	12.67	180	44769	5.36	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	32460	4.53	ug/L	98
70) Naphthalene	13.53	128	47516	2.77	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	23141	3.62	ug/L	98

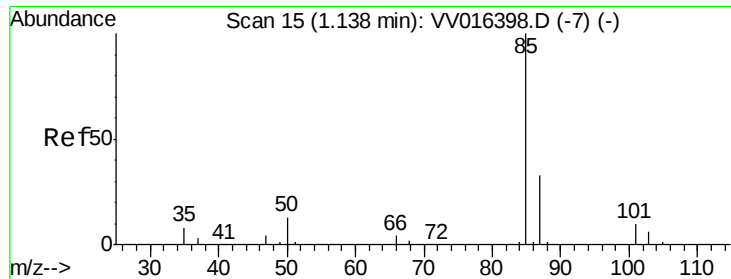
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#2

Dichlorodifluoromethane

Concen: 5.64 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

Instrument :

MSVOA_V

ClientSampleId :

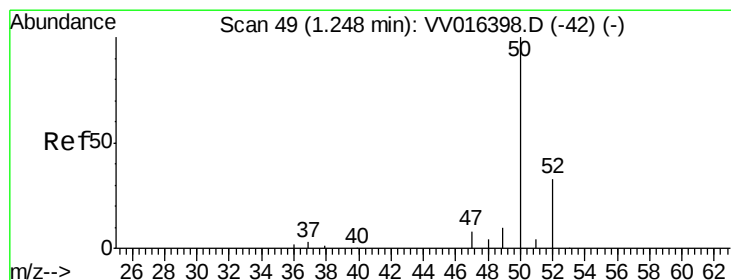
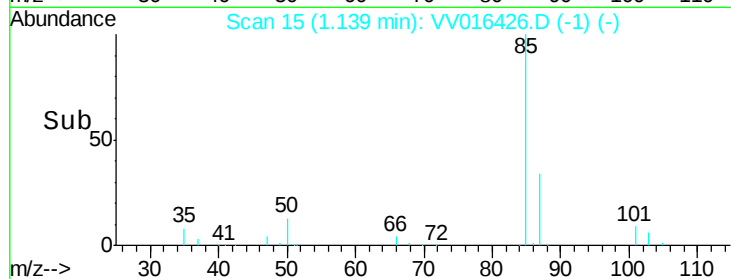
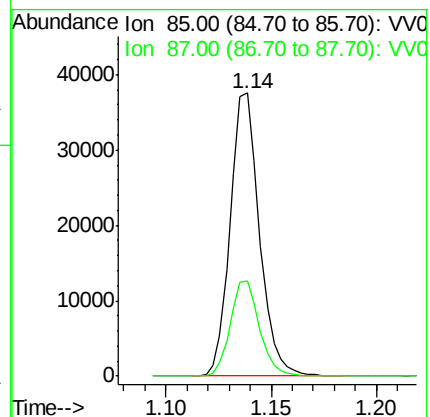
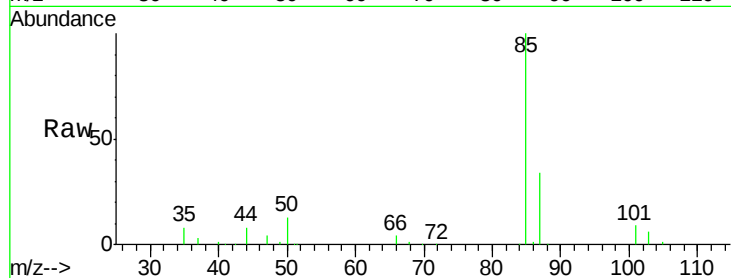
VSTD00550

Tgt Ion: 85 Resp: 36101

Ion Ratio Lower Upper

85 100

87 33.3 26.3 39.5



#3

Chloromethane

Concen: 4.93 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016426.D

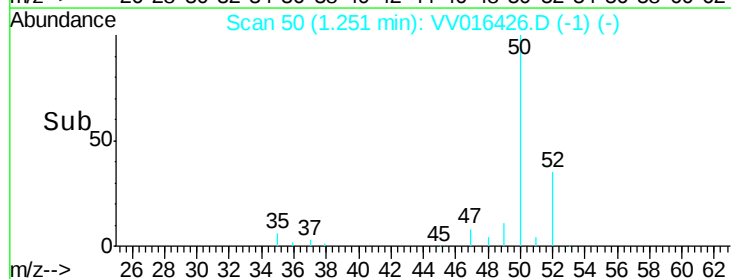
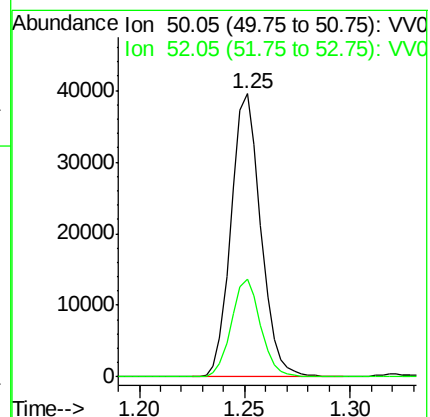
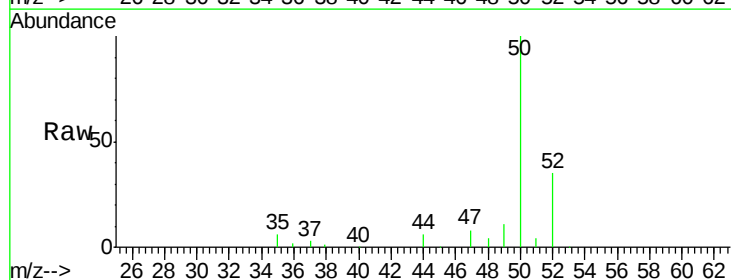
Acq: 02 Jun 2020 13:02

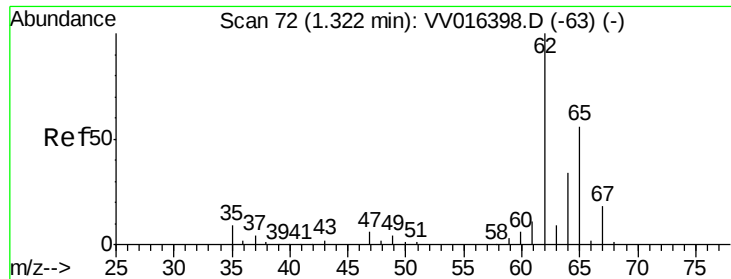
Tgt Ion: 50 Resp: 38647

Ion Ratio Lower Upper

50 100

52 34.6 23.1 42.9





#5

Vinyl chloride

Concen: 5.38 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

Instrument :

MSVOA_V

ClientSampleId :

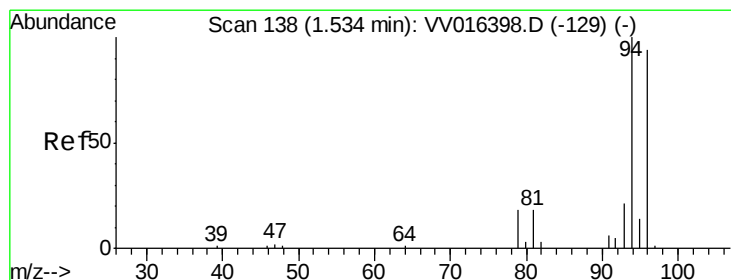
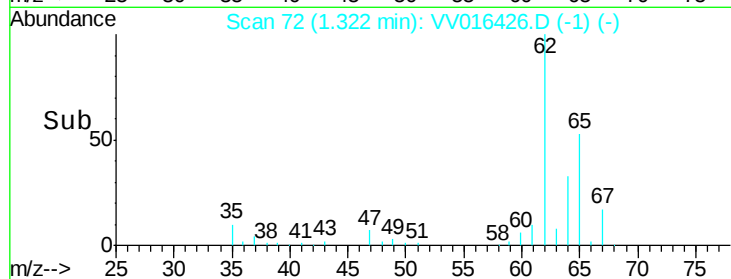
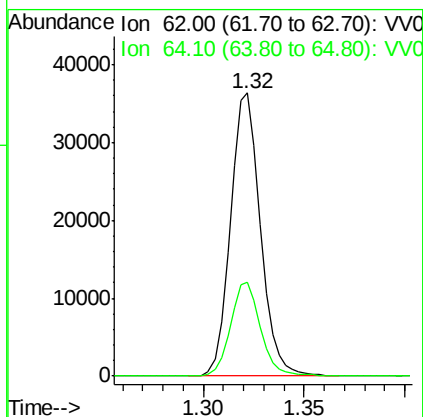
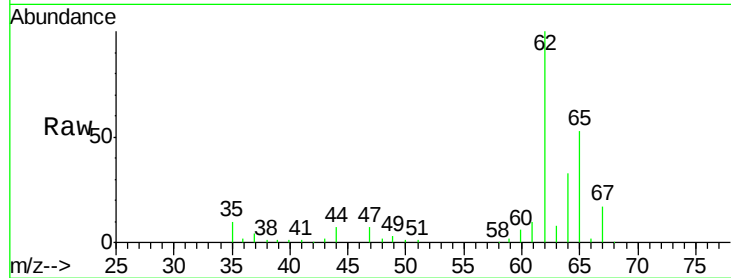
VSTD00550

Tgt Ion: 62 Resp: 37723

Ion Ratio Lower Upper

62 100

64 33.3 23.1 42.9



#6

Bromomethane

Concen: 4.36 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016426.D

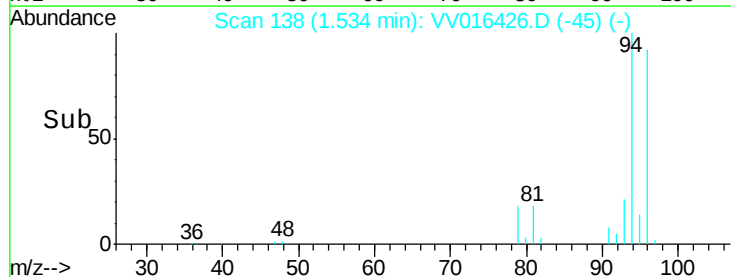
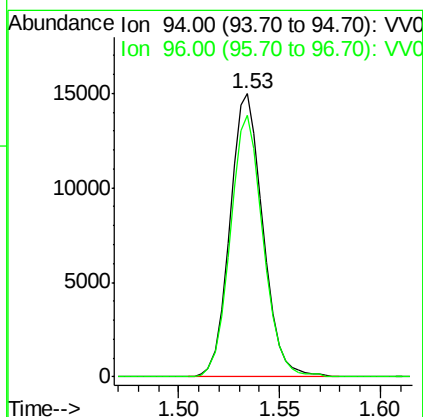
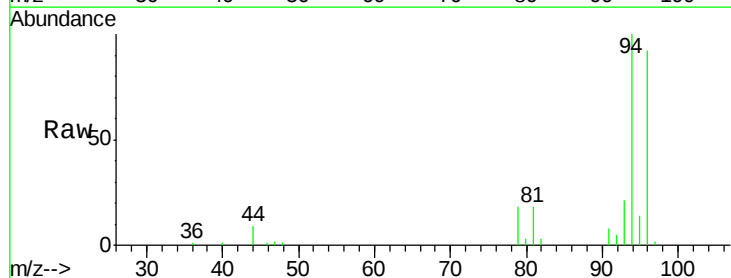
Acq: 02 Jun 2020 13:02

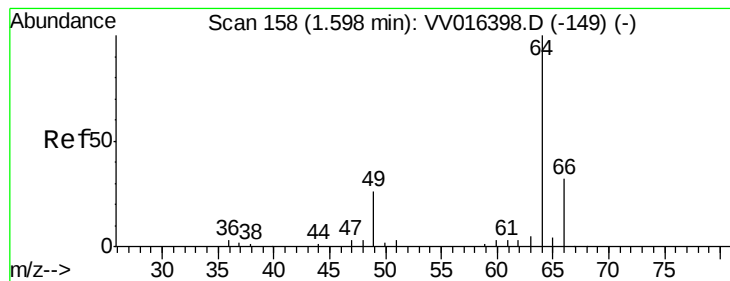
Tgt Ion: 94 Resp: 17162

Ion Ratio Lower Upper

94 100

96 92.3 67.0 124.4





#8

Chloroethane

Concen: 5.31 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

Instrument :

MSVOA_V

ClientSampleId :

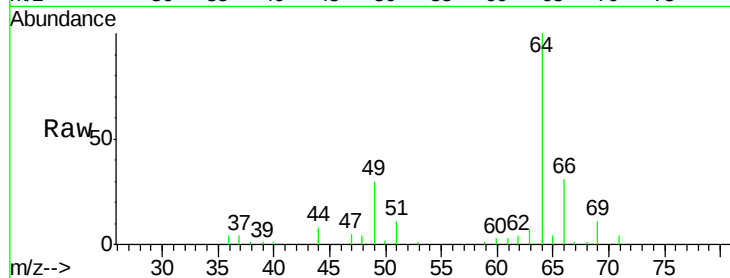
VSTD00550

Tgt Ion: 64 Resp: 22433

Ion Ratio Lower Upper

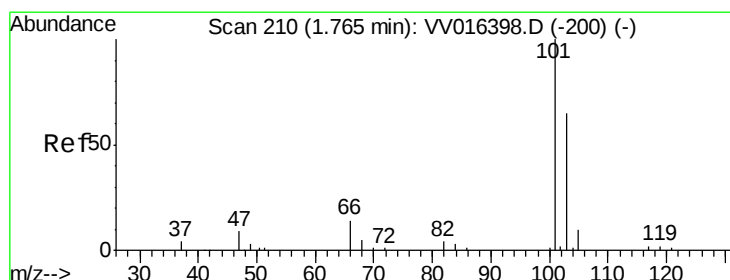
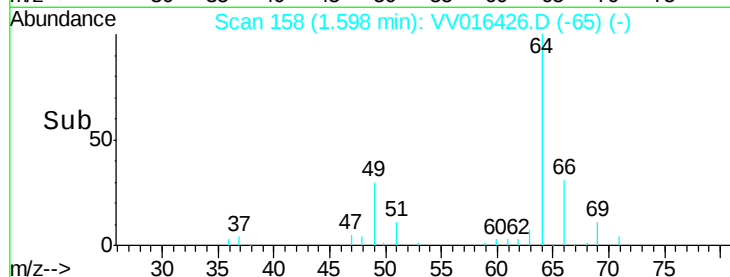
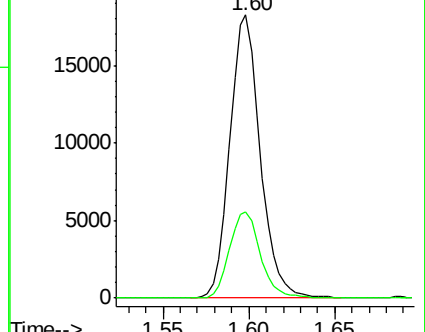
64 100

66 30.7 23.4 43.6



Abundance Ion 64.10 (63.80 to 64.80): VV016426.D (-65) (-)

Ion 66.05 (65.75 to 66.75): VV016426.D (-65) (-)



#9

Trichlorofluoromethane

Concen: 5.68 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV016426.D

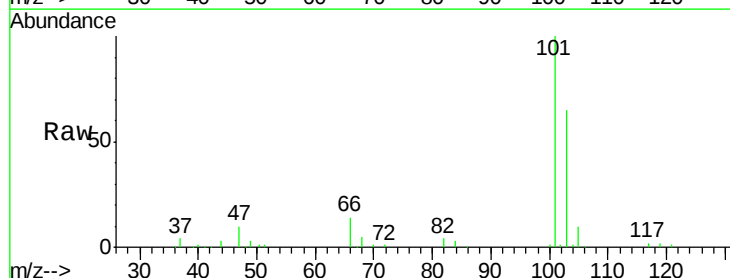
Acq: 02 Jun 2020 13:02

Tgt Ion: 101 Resp: 53957

Ion Ratio Lower Upper

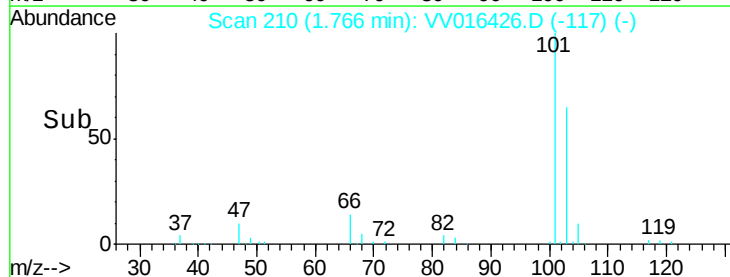
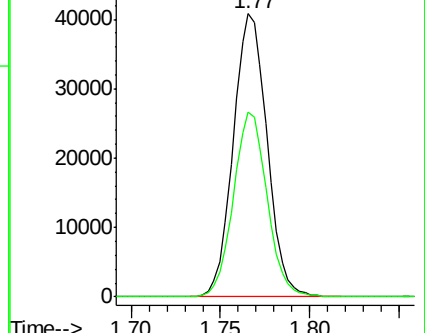
101 100

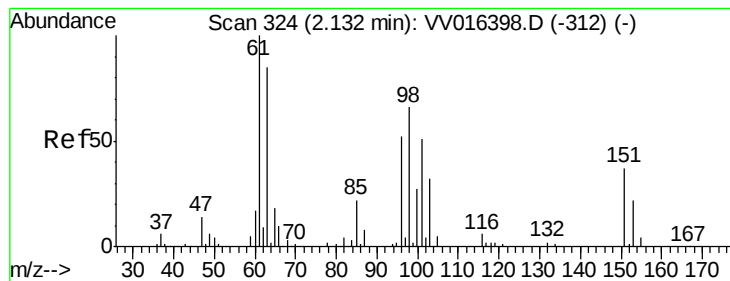
103 64.7 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VV016426.D (-117) (-)

Ion 103.00 (102.70 to 103.70): VV016426.D (-117) (-)





#10

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

Concen: 5.52 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

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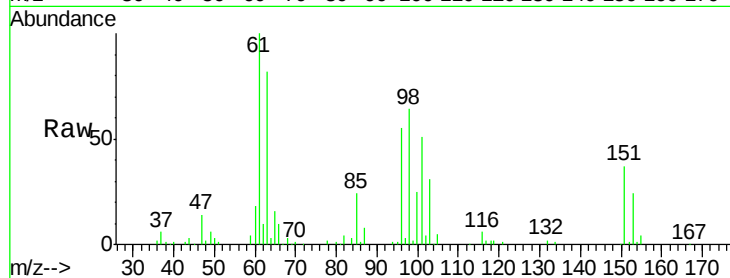
Tgt Ion:101 Resp: 29366

Ion Ratio Lower Upper

101 100

85 46.5 35.7 53.5

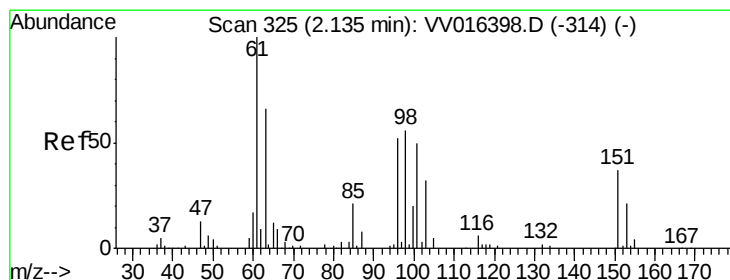
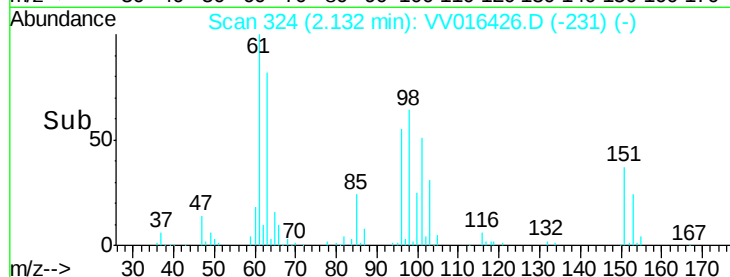
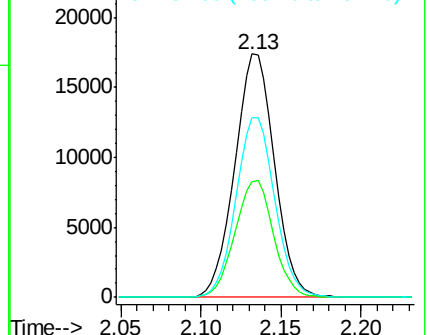
151 72.2 57.2 85.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.49 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016426.D

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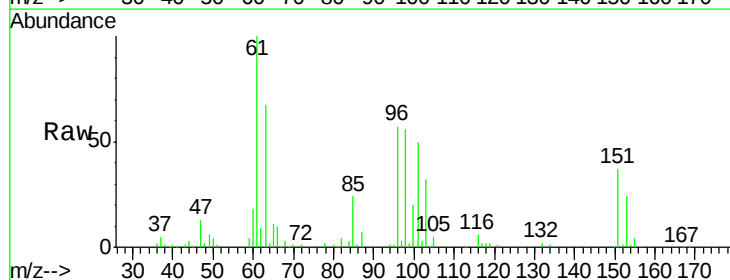
Tgt Ion: 96 Resp: 27774

Ion Ratio Lower Upper

96 100

61 175.8 125.4 233.0

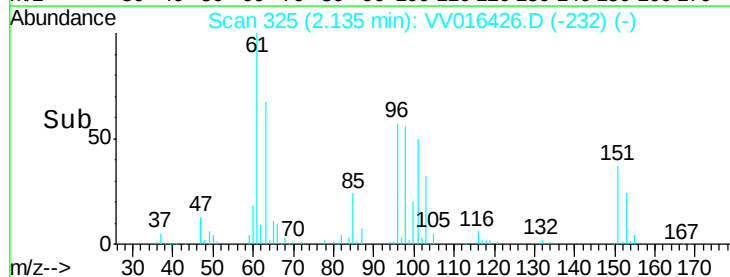
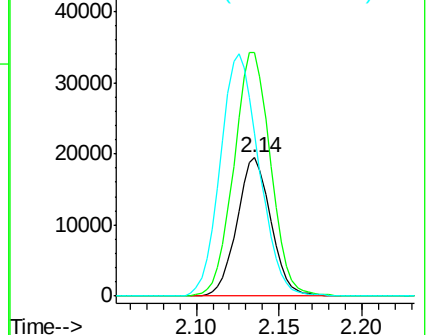
63 117.9 88.2 163.8

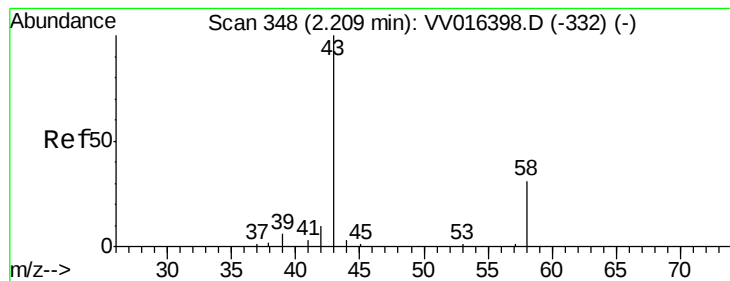


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 47.61 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.01 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

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MSVOA_V

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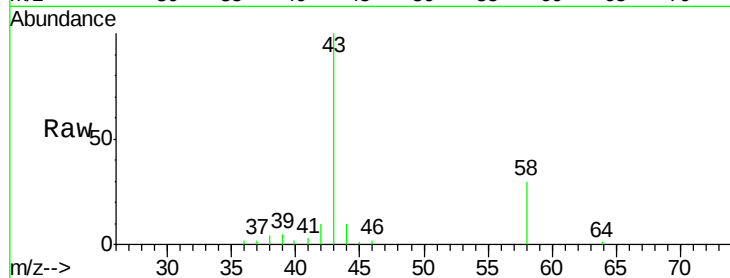
VSTD00550

Tgt Ion: 43 Resp: 47543

Ion Ratio Lower Upper

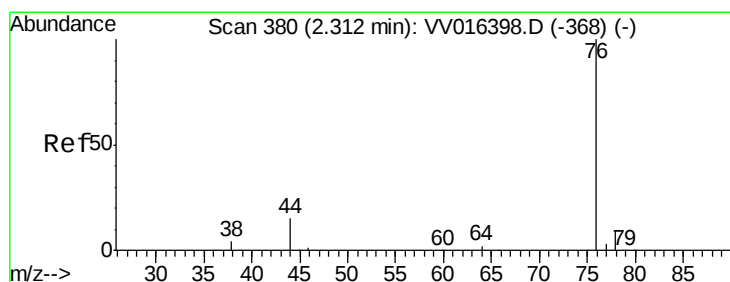
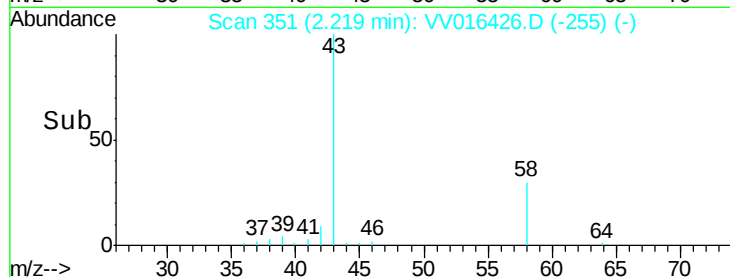
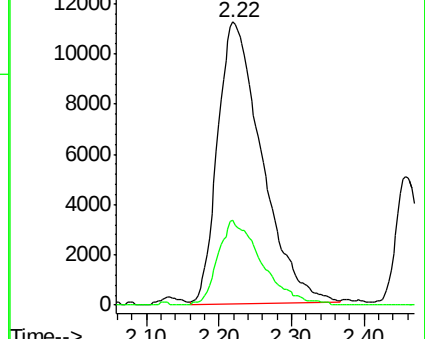
43 100

58 29.9 0.0 59.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 5.21 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016426.D

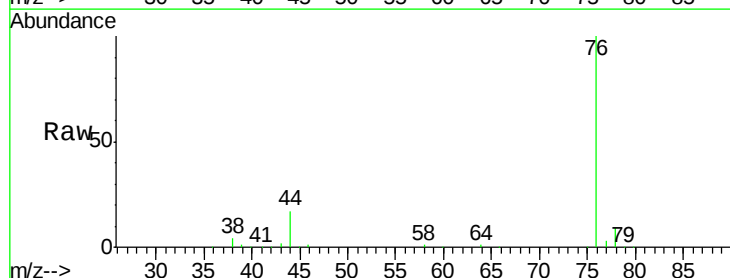
Acq: 02 Jun 2020 13:02

Tgt Ion: 76 Resp: 80194

Ion Ratio Lower Upper

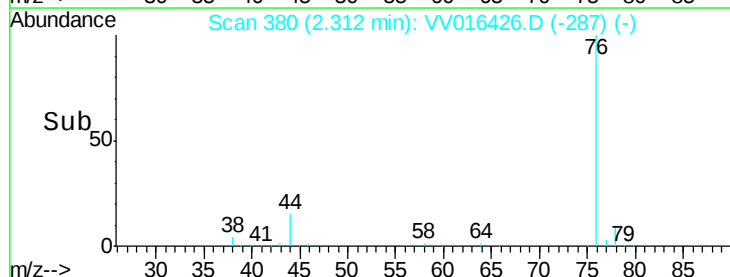
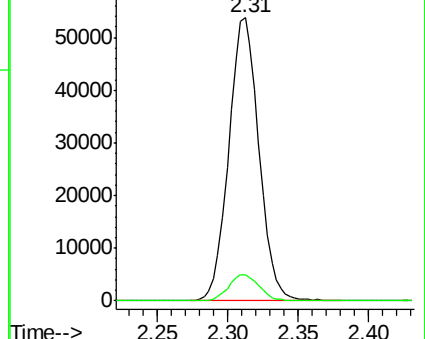
76 100

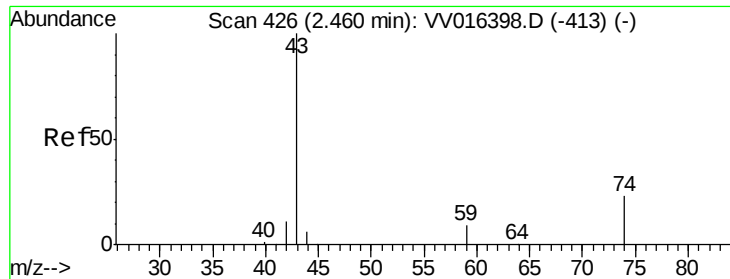
78 9.1 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

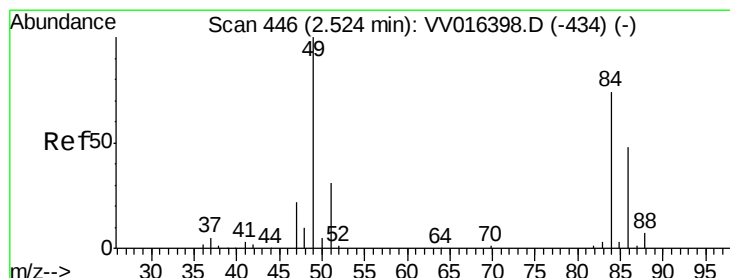
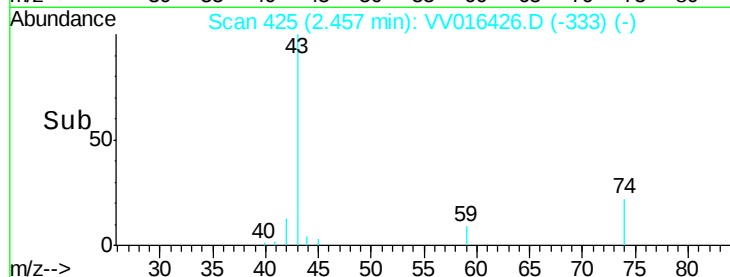
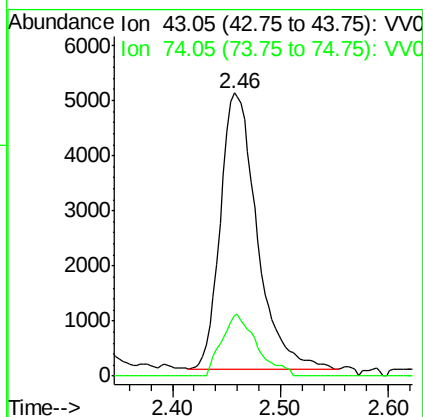
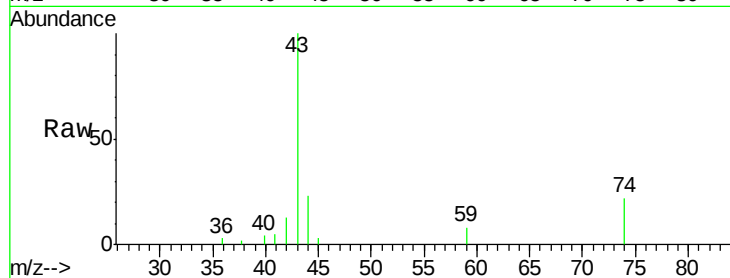




#15
Methyl Acetate
Concen: 4.72 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV016426.D
Acq: 02 Jun 2020 13:02

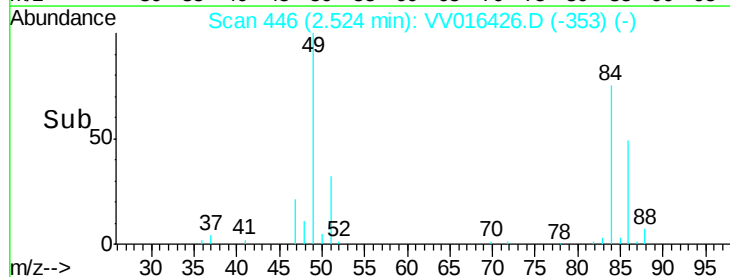
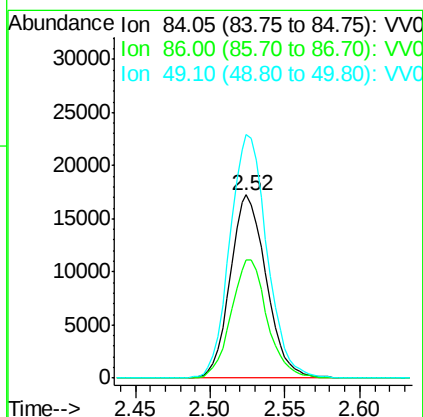
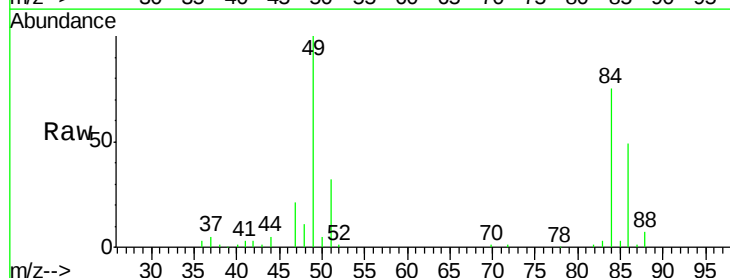
Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

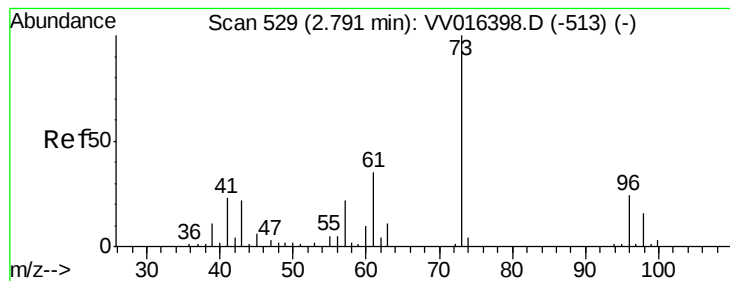
Tgt Ion: 43 Resp: 11832
Ion Ratio Lower Upper
43 100
74 21.6 18.6 28.0



#16
Methylene chloride
Concen: 5.36 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV016426.D
Acq: 02 Jun 2020 13:02

Tgt Ion: 84 Resp: 29001
Ion Ratio Lower Upper
84 100
86 64.6 44.5 82.7
49 132.9 92.3 171.3





#17

Methyl tert-butyl Ether

Concen: 5.67 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

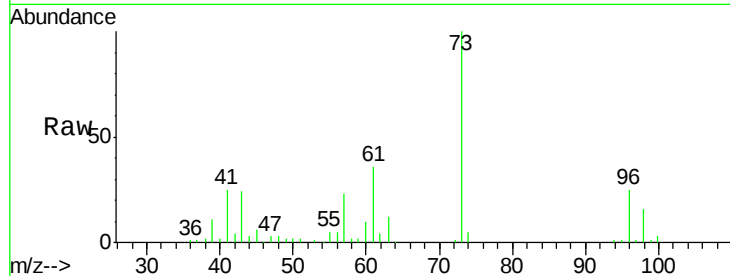
Tgt Ion: 73 Resp: 67183

Ion Ratio Lower Upper

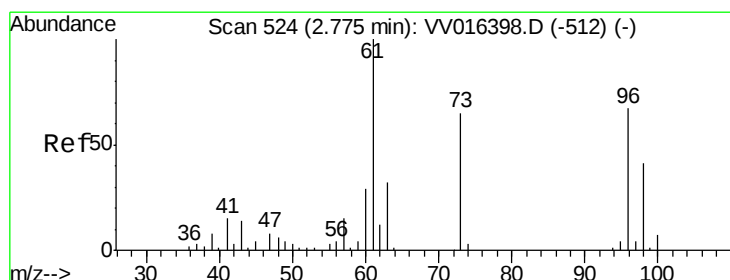
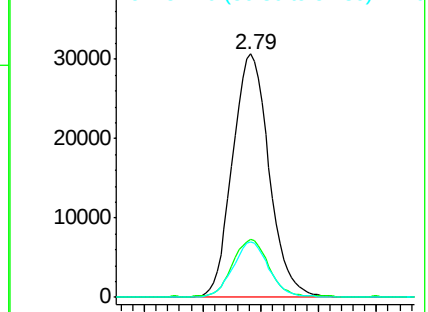
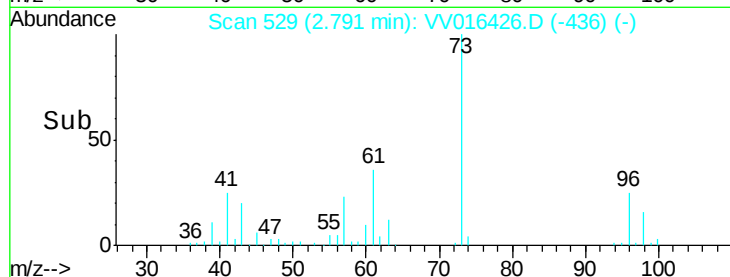
73 100

43 22.9 19.4 29.0

57 22.3 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VV016426.D (-436) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.36 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

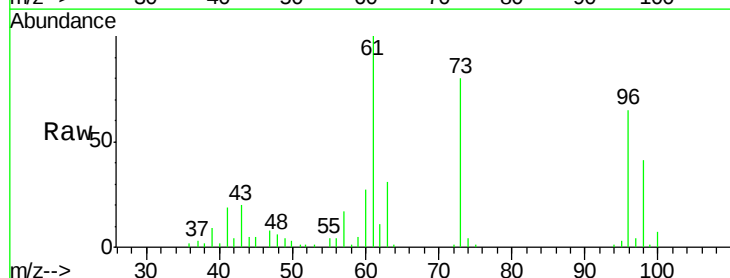
Tgt Ion: 96 Resp: 28769

Ion Ratio Lower Upper

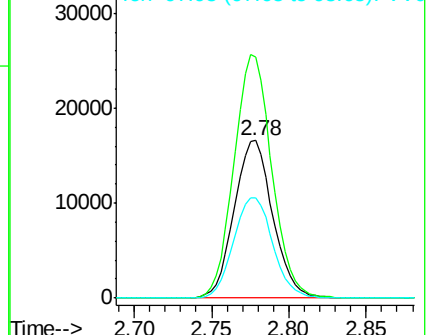
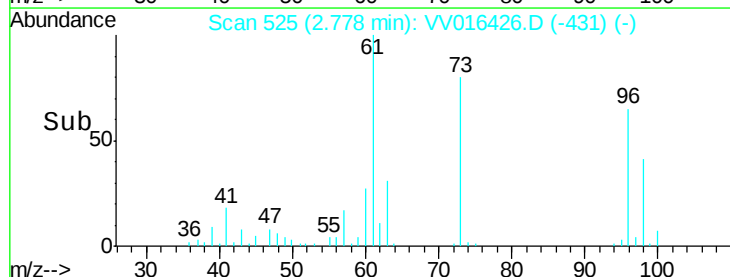
96 100

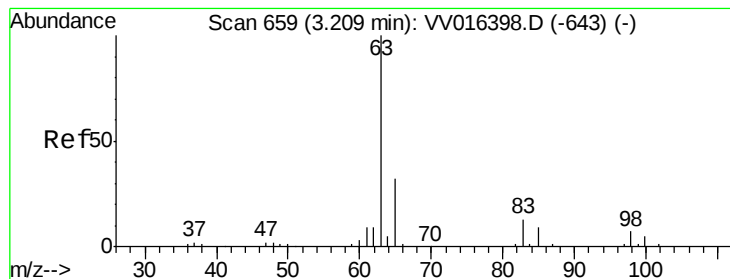
61 153.0 103.1 191.5

98 63.4 43.0 79.8



Abundance Ion 96.00 (95.70 to 96.70): VV016426.D (-431) (-)





#19

1,1-Dichloroethane

Concen: 5.49 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

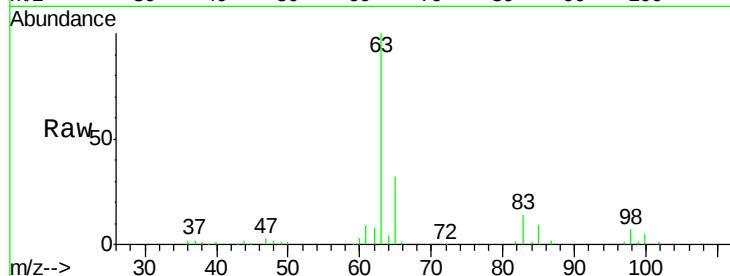
Tgt Ion: 63 Resp: 58162

Ion Ratio Lower Upper

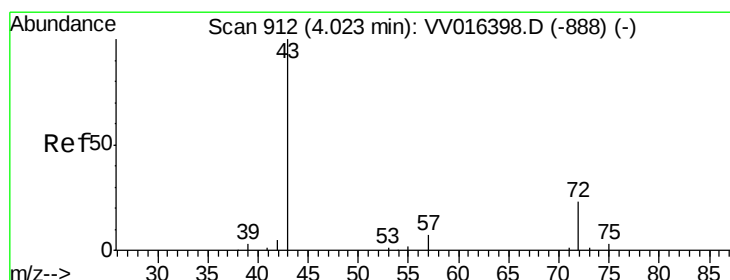
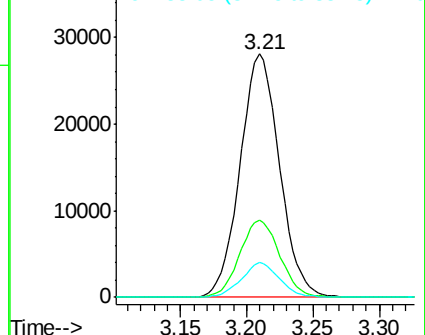
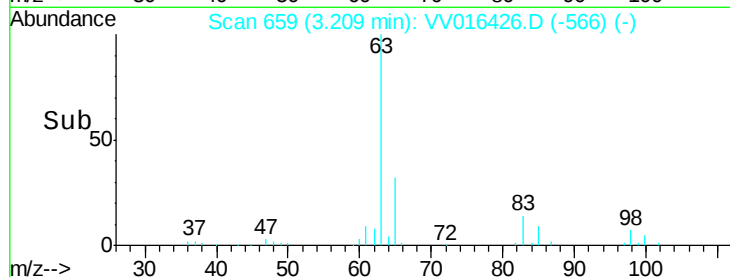
63 100

65 31.7 23.3 43.3

83 14.1 9.9 18.3



Abundance Ion 63.10 (62.80 to 63.80): VV016426.D (-566) (-)



#21

2-Butanone

Concen: 59.48 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.00 min

Lab File: VV016426.D

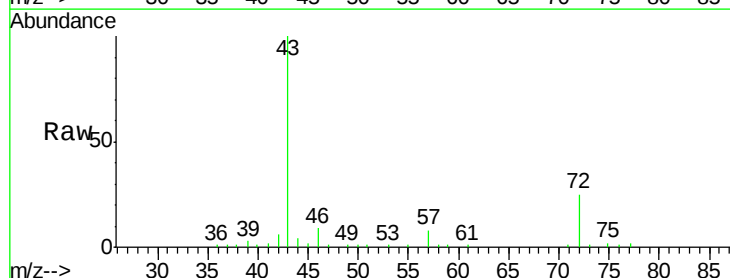
Acq: 02 Jun 2020 13:02

Tgt Ion: 43 Resp: 87587

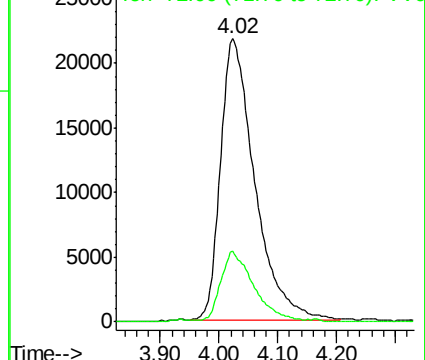
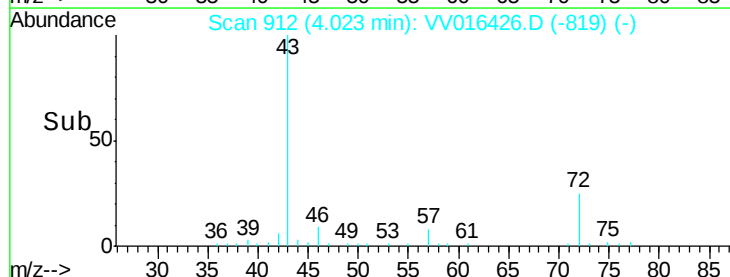
Ion Ratio Lower Upper

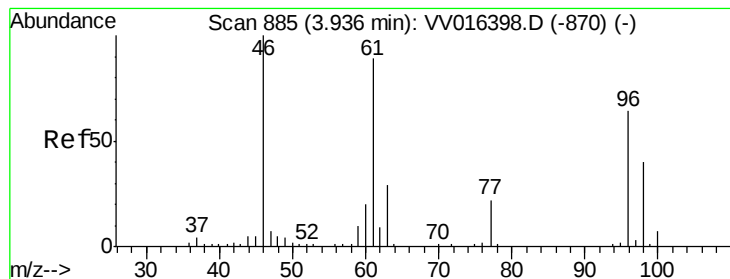
43 100

72 24.6 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VV016426.D (-819) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.77 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

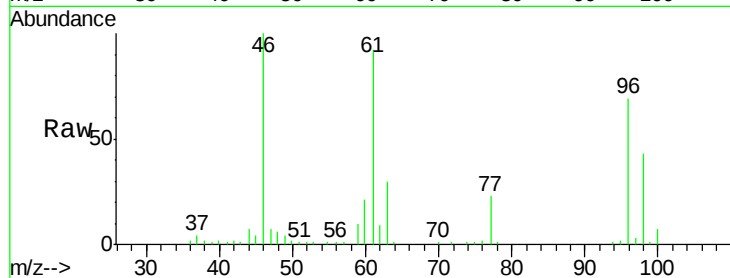
Tgt Ion: 96 Resp: 34189

Ion Ratio Lower Upper

96 100

61 133.1 94.8 176.0

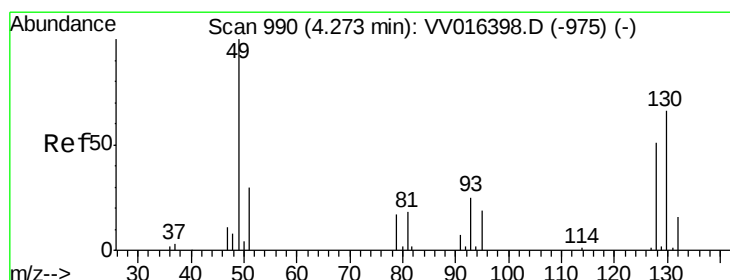
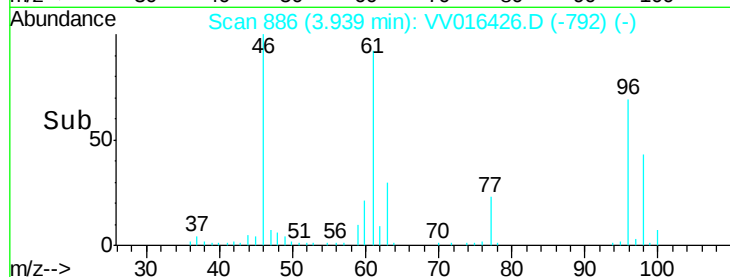
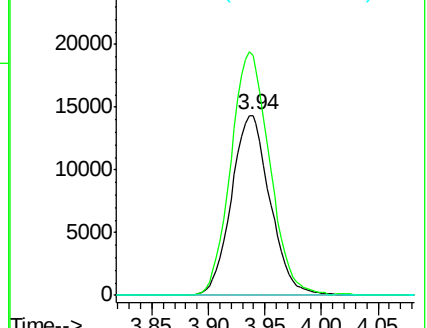
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV016398.D (-870) (-)

Ion 61.05 (60.75 to 61.75): VV016398.D (-870) (-)

Ion 68.15 (67.85 to 68.85): VV016398.D (-870) (-)



#23

Bromochloromethane

Concen: 6.11 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

Tgt Ion: 128 Resp: 14138

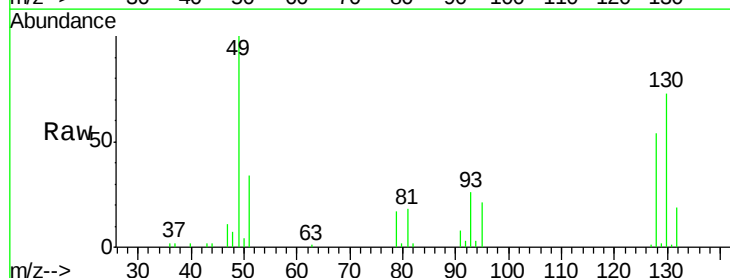
Ion Ratio Lower Upper

128 100

49 184.9 141.5 262.9

130 135.3 90.4 167.8

51 63.7 53.5 80.3

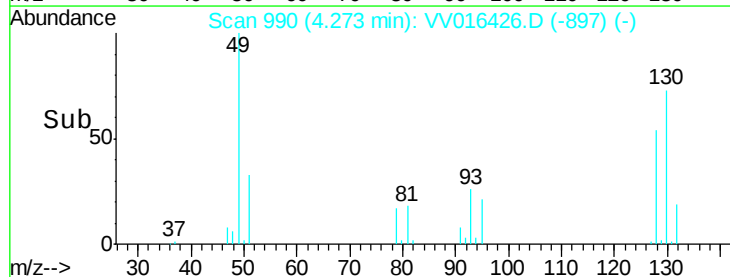
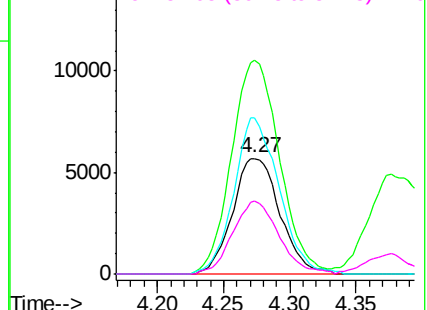


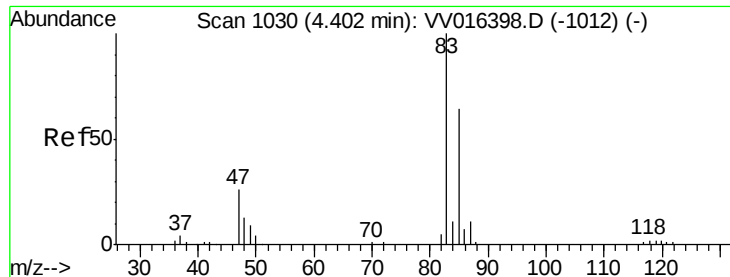
Abundance Ion 127.90 (127.60 to 128.60): VV016398.D (-975) (-)

Ion 49.10 (48.80 to 49.80): VV016398.D (-975) (-)

Ion 129.95 (129.65 to 130.65): VV016398.D (-975) (-)

Ion 51.05 (50.75 to 51.75): VV016398.D (-975) (-)

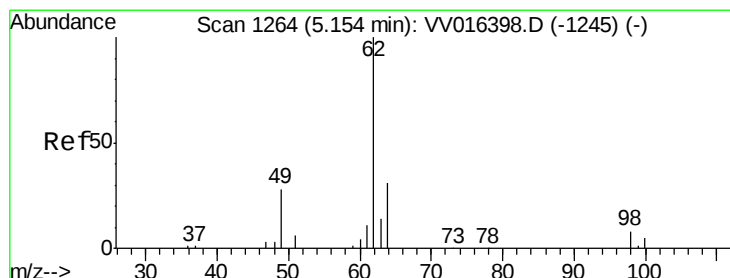
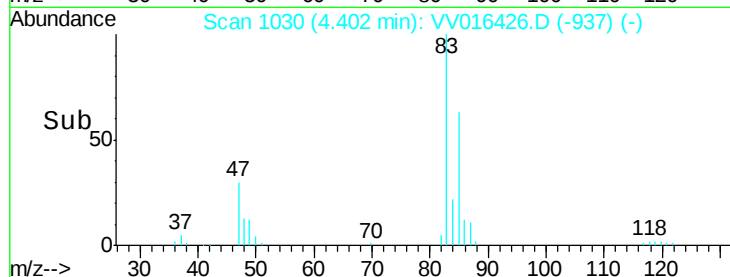
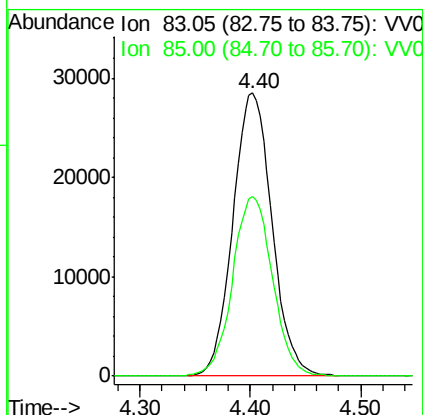
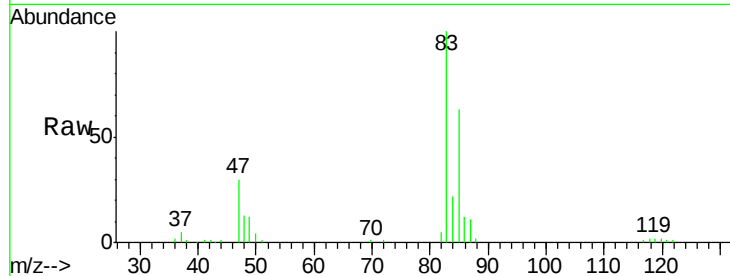




#25
Chloroform
Concen: 6.59 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV016426.D
Acq: 02 Jun 2020 13:02

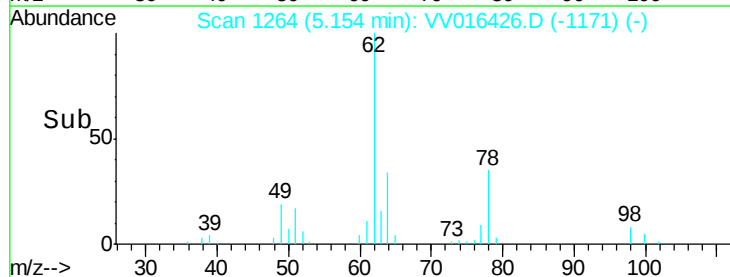
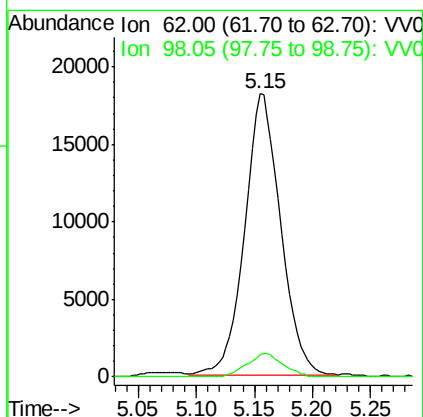
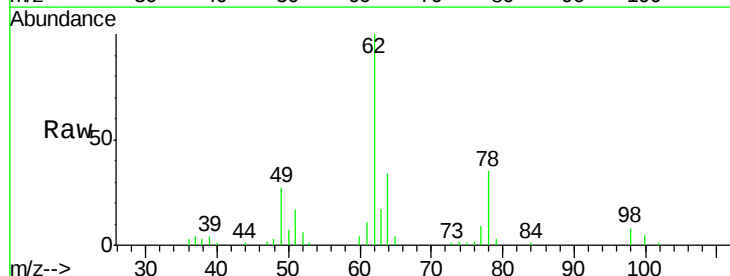
Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

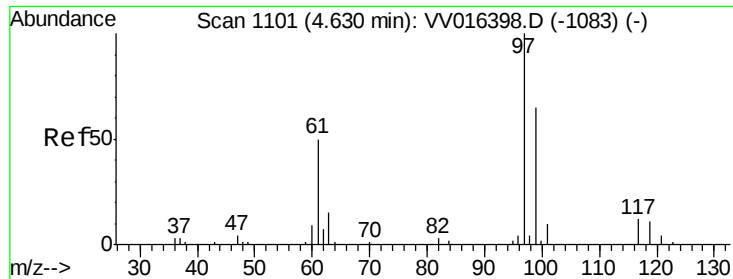
Tgt Ion: 83 Resp: 69924
Ion Ratio Lower Upper
83 100
85 63.4 45.8 85.2



#27
1,2-Dichloroethane
Concen: 5.58 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV016426.D
Acq: 02 Jun 2020 13:02

Tgt Ion: 62 Resp: 39031
Ion Ratio Lower Upper
62 100
98 7.8 7.0 10.4

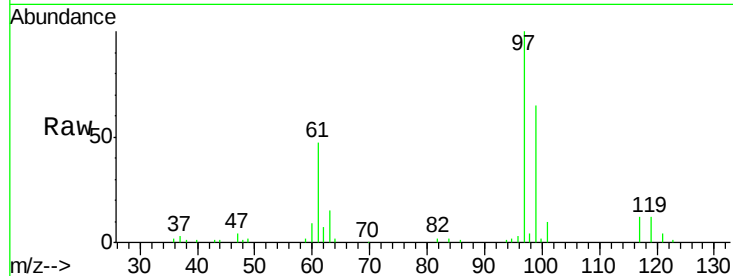




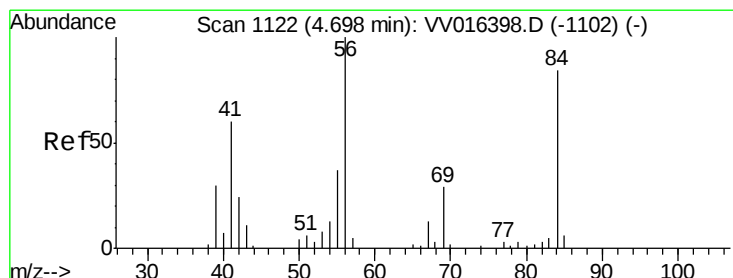
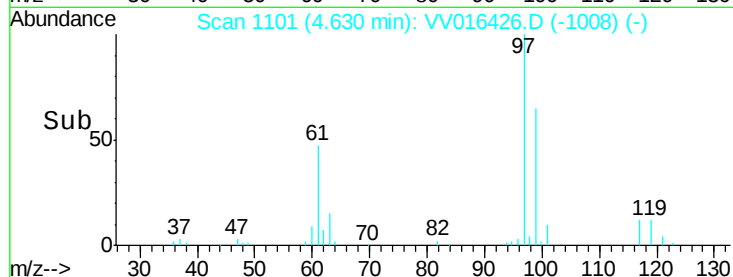
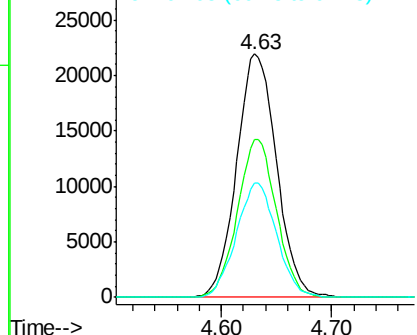
#29
 1,1,1-Trichloroethane
 Concen: 5.99 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VV016426.D
 Acq: 02 Jun 2020 13:02

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00550

Tgt Ion: 97 Resp: 55042
 Ion Ratio Lower Upper
 97 100
 99 63.0 52.0 78.0
 61 47.2 39.8 59.6

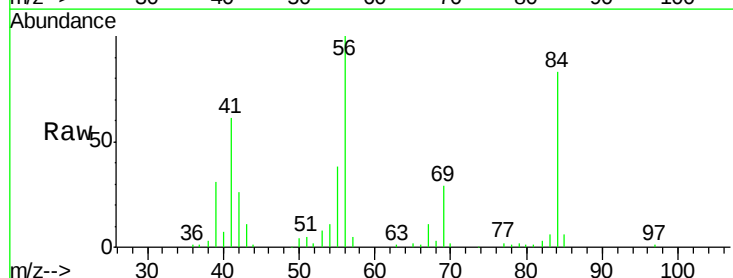


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

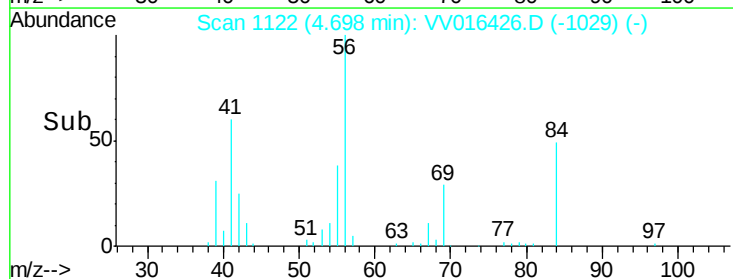
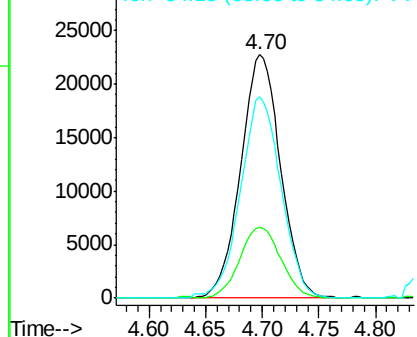


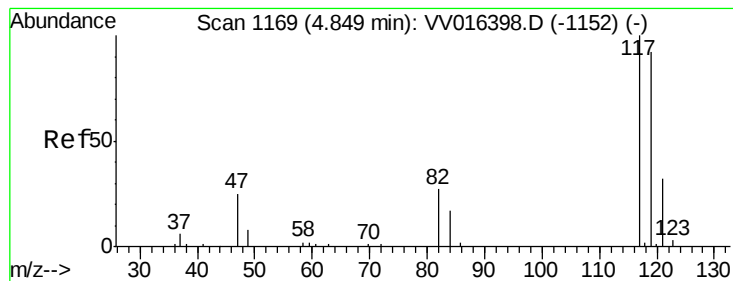
#30
 Cyclohexane
 Concen: 5.63 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: VV016426.D
 Acq: 02 Jun 2020 13:02

Tgt Ion: 56 Resp: 55718
 Ion Ratio Lower Upper
 56 100
 69 29.9 23.5 35.3
 84 84.0 65.8 98.8



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: 5.79 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

Instrument :

MSVOA_V

ClientSampleId :

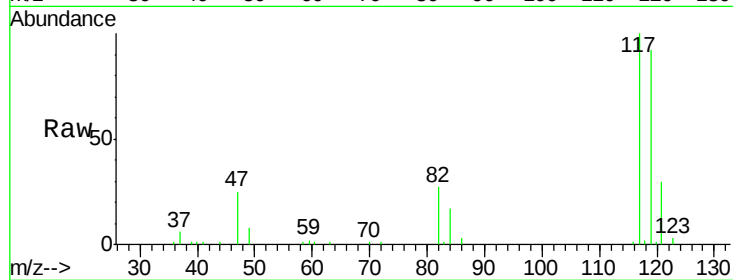
VSTD00550

Tgt Ion:117 Resp: 45831

Ion Ratio Lower Upper

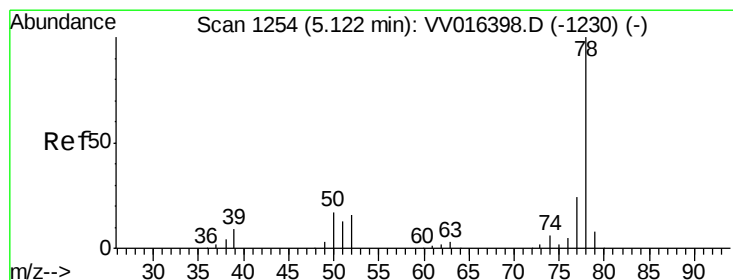
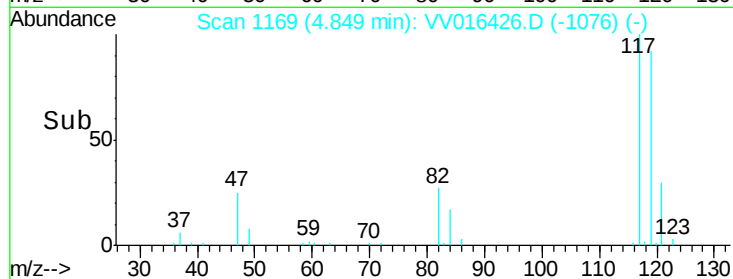
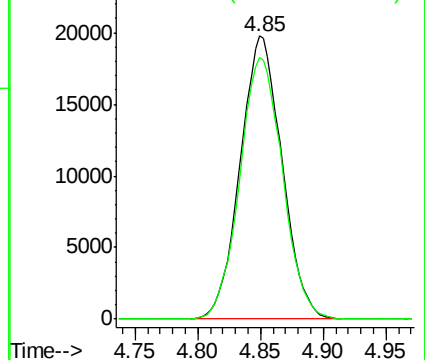
117 100

119 94.4 75.3 112.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.76 ug/L

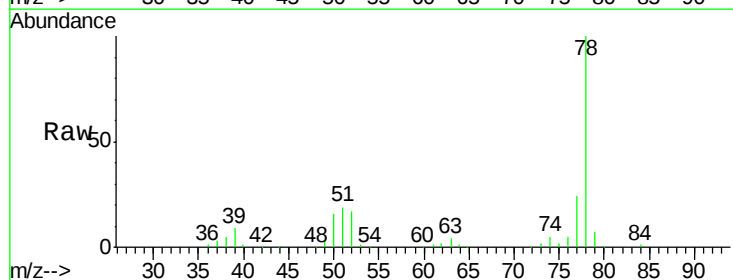
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

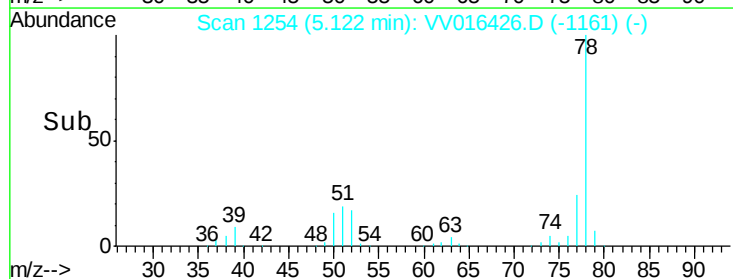
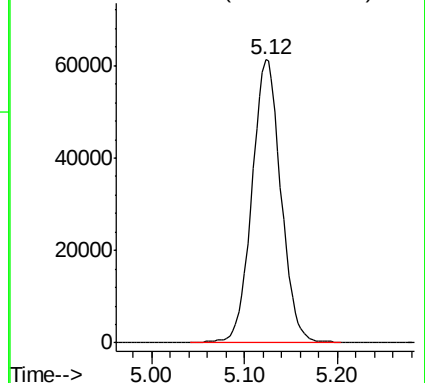
Lab File: VV016426.D

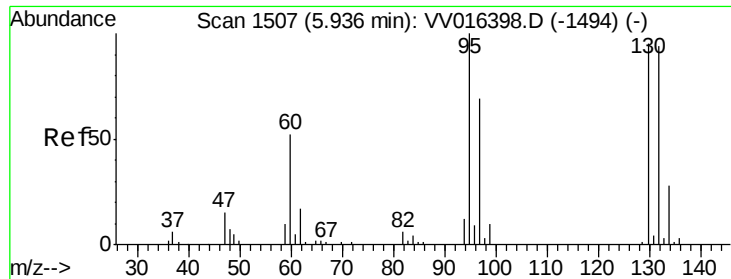
Acq: 02 Jun 2020 13:02

Tgt Ion: 78 Resp: 132958



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.69 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

Tgt Ion: 95 Resp: 34417

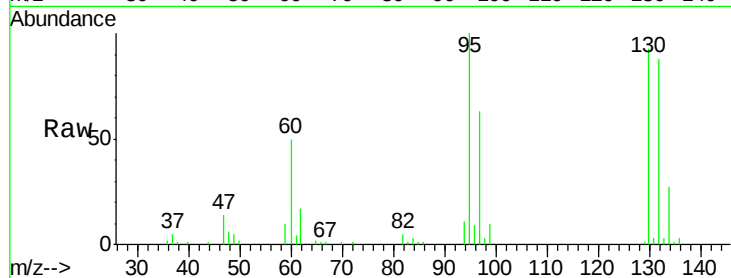
Ion Ratio Lower Upper

95 100

97 63.4 42.6 79.0

132 88.2 59.6 110.8

130 93.3 64.8 120.4

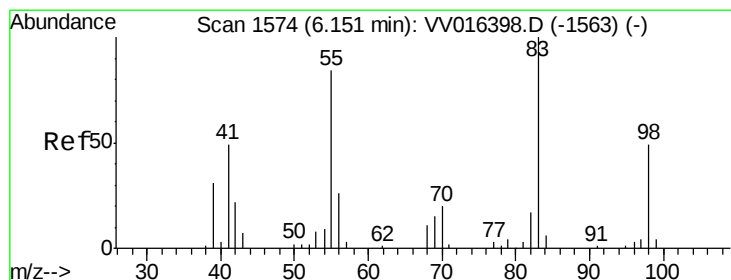
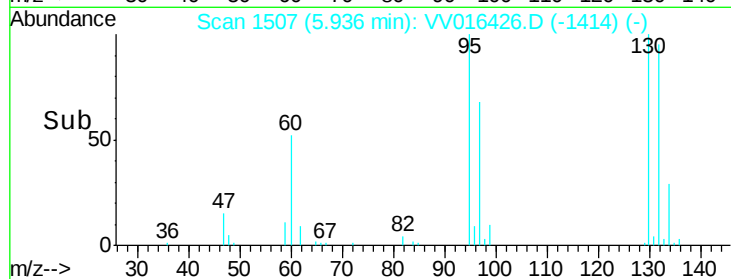
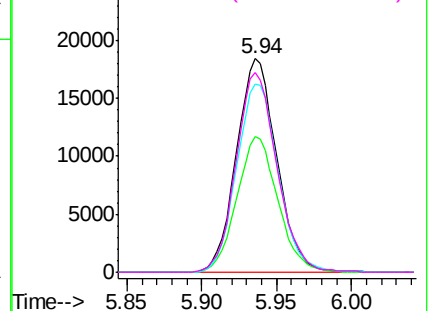


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.56 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

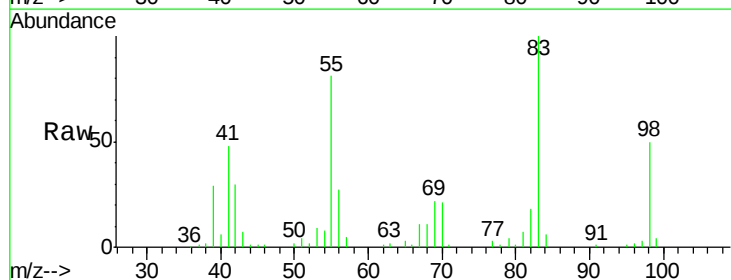
Tgt Ion: 83 Resp: 54162

Ion Ratio Lower Upper

83 100

55 82.8 67.0 100.4

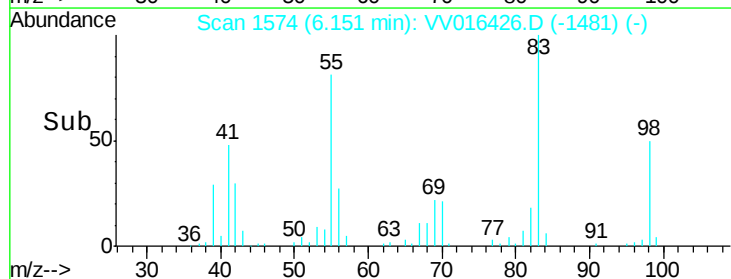
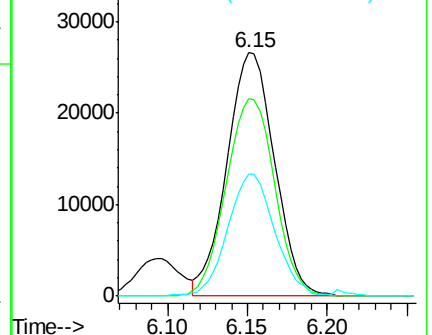
98 49.4 39.0 58.4

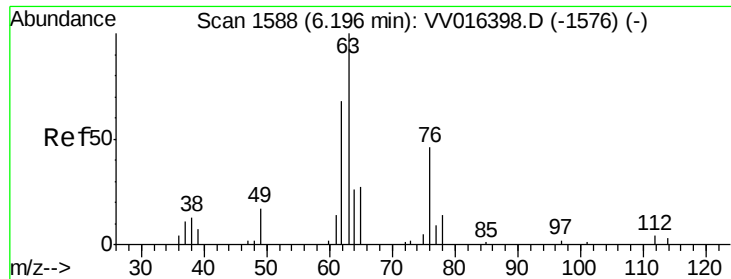


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

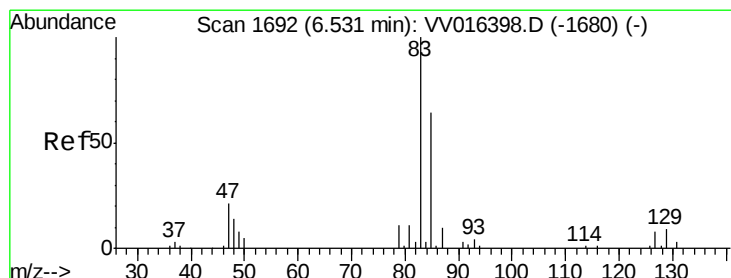
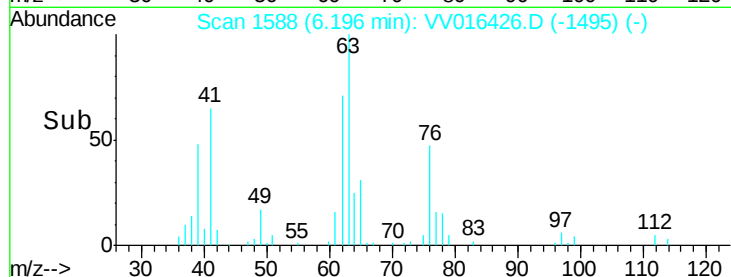
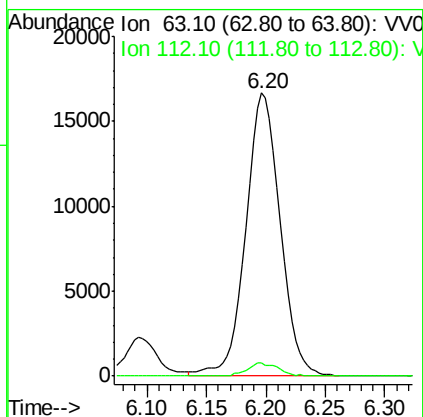
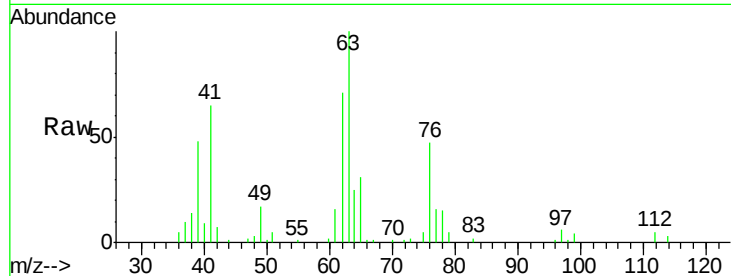




#37
 1,2-Dichloropropane
 Concen: 5.73 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV016426.D
 Acq: 02 Jun 2020 13:02

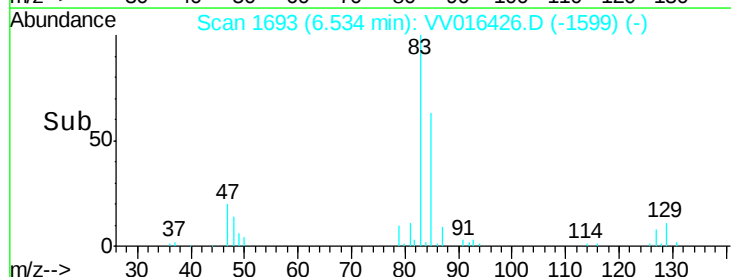
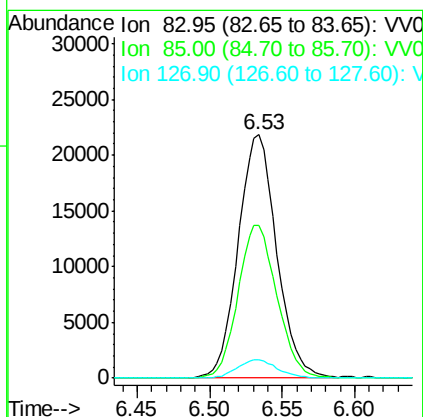
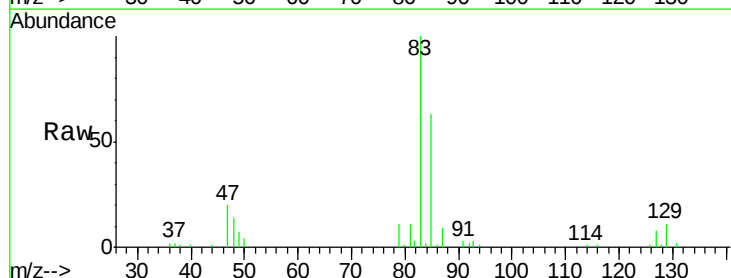
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

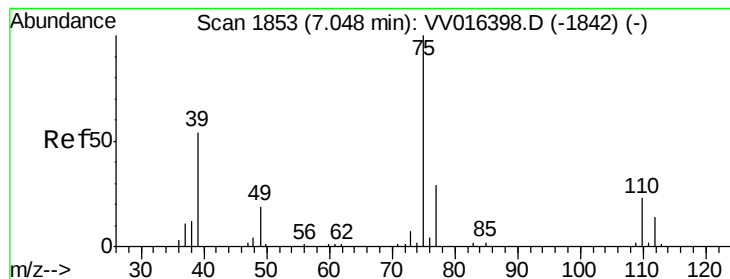
Tgt Ion: 63 Resp: 33456
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.0



#38
 Bromodichloromethane
 Concen: 5.75 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016426.D
 Acq: 02 Jun 2020 13:02

Tgt Ion: 83 Resp: 40320
 Ion Ratio Lower Upper
 83 100
 85 62.5 44.2 82.2
 127 7.5 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.87 ug/L

RT: 7.05 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

Instrument :

MSVOA_V

ClientSampleId :

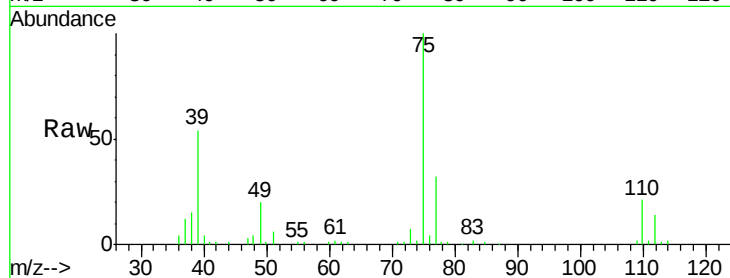
VSTD00550

Tgt Ion: 75 Resp: 45274

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.05

25000

20000

15000

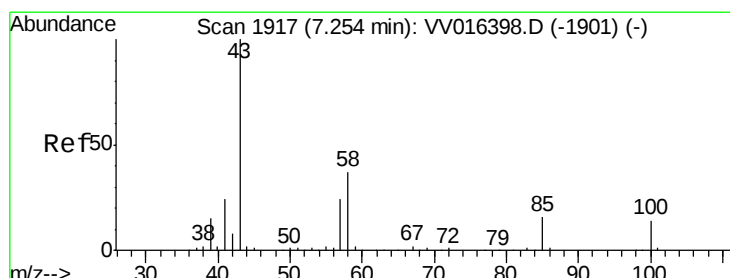
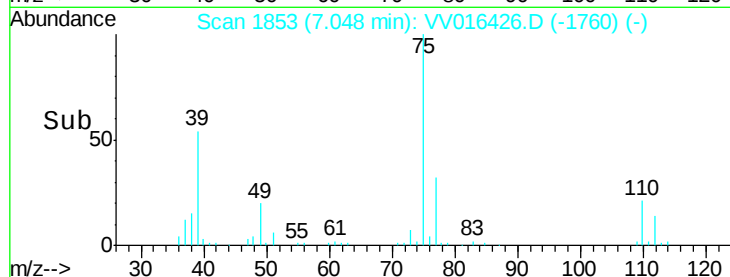
10000

5000

0

7.00 7.10

Time-->



#40

4-Methyl-2-pentanone

Concen: 59.74 ug/L

RT: 7.25 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

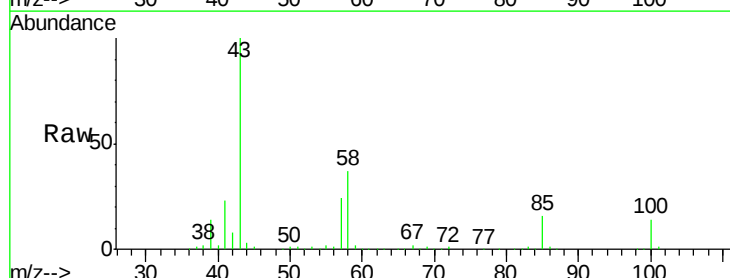
Tgt Ion: 43 Resp: 210472

Ion Ratio Lower Upper

43 100

58 36.8 29.5 44.3

100 13.8 11.0 16.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

7.25

150000

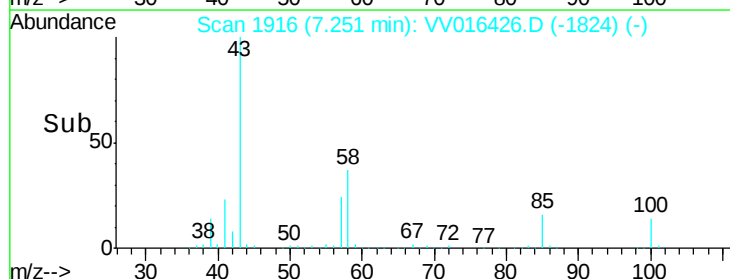
100000

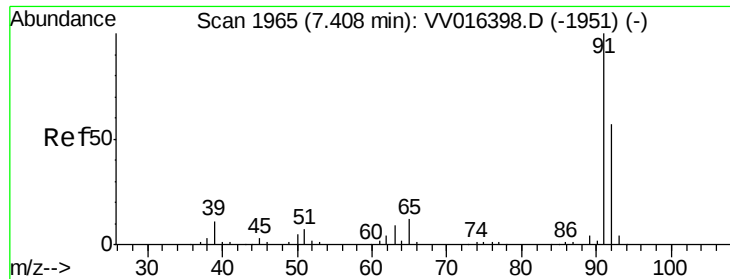
50000

0

7.20 7.30 7.40

Time-->





#42

Toluene

Concen: 5.74 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

Instrument :

MSVOA_V

ClientSampleId :

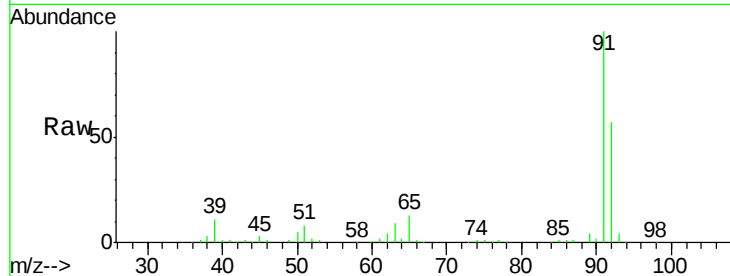
VSTD00550

Tgt Ion: 91 Resp: 140747

Ion Ratio Lower Upper

91 100

92 57.2 40.5 75.1

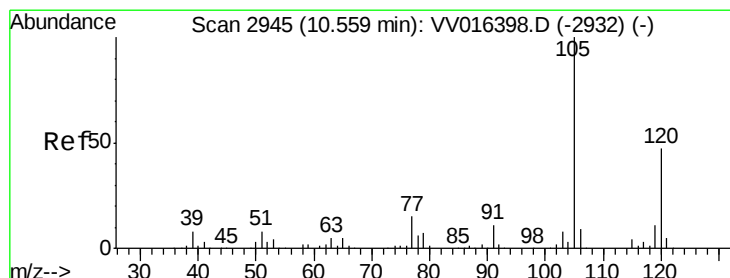
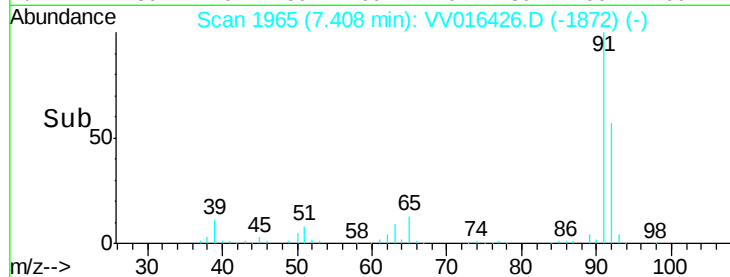


Abundance Ion 91.15 (90.85 to 91.85): VV016398.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV016398.D (-1951) (-)

7.41

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.73 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016426.D

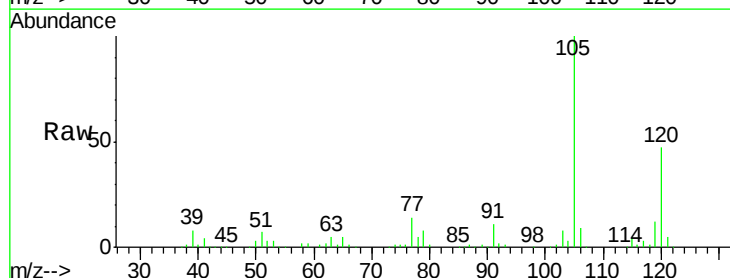
Acq: 02 Jun 2020 13:02

Tgt Ion: 105 Resp: 124760

Ion Ratio Lower Upper

105 100

120 47.8 37.5 56.3

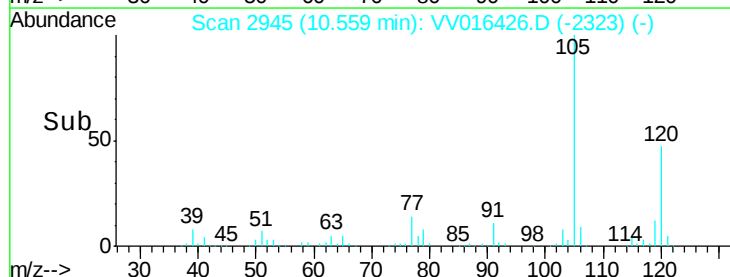


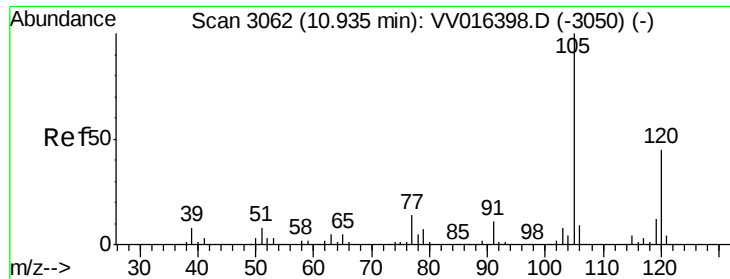
Abundance Ion 105.00 (104.70 to 105.70): VV016398.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV016398.D (-2932) (-)

10.56

Time-->

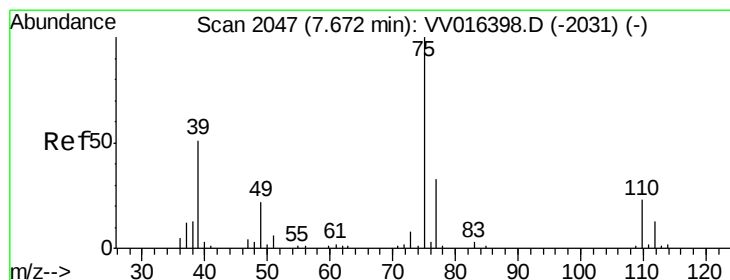
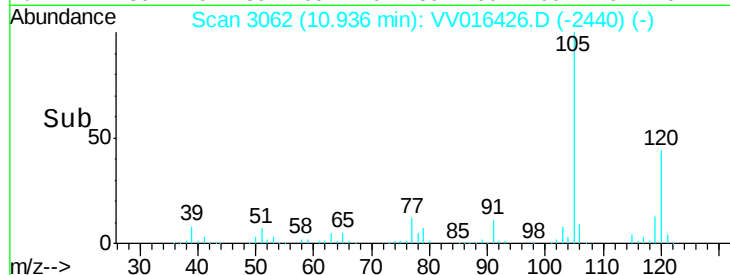
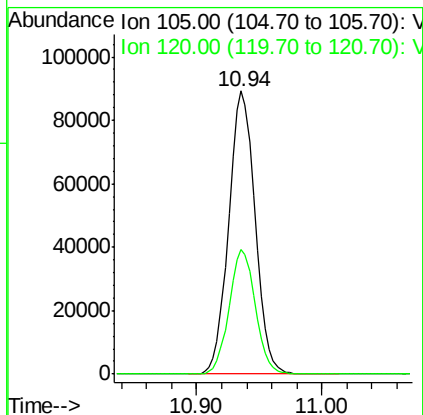
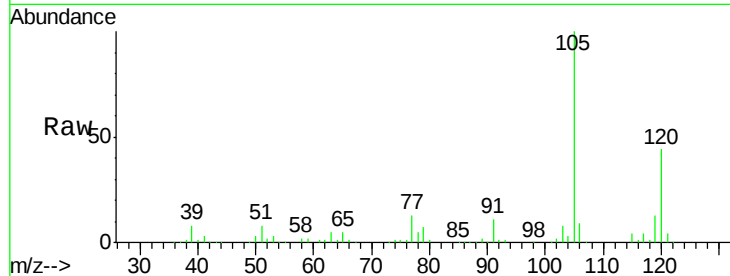




#44
 1,2,4-Trimethylbenzene
 Concen: 5.88 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV016426.D
 Acq: 02 Jun 2020 13:02

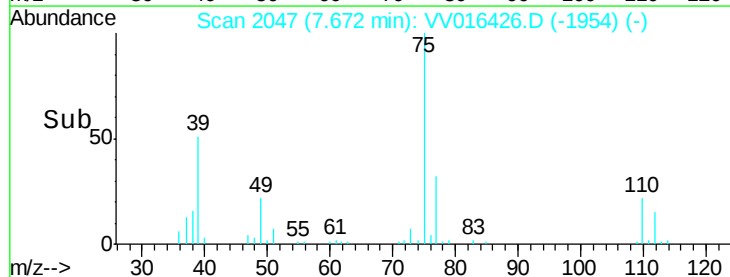
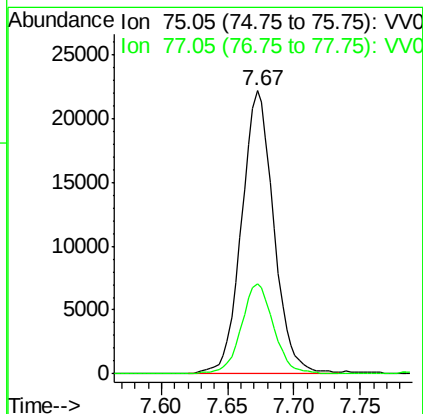
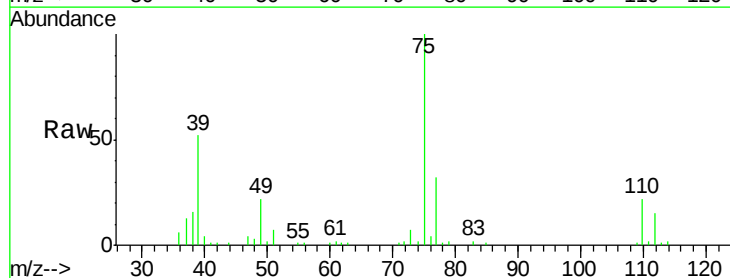
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00550

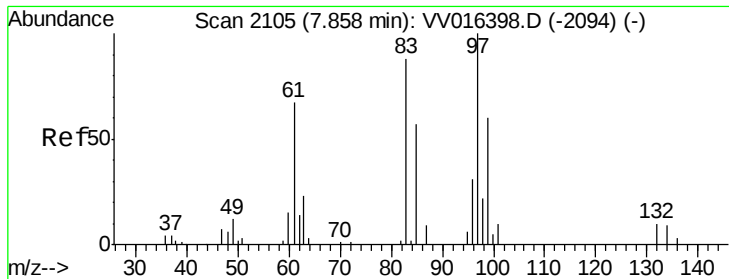
Tgt Ion: 105 Resp: 130377
 Ion Ratio Lower Upper
 105 100
 120 43.6 35.5 53.3



#46
 trans-1,3-Dichloropropene
 Concen: 5.88 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VV016426.D
 Acq: 02 Jun 2020 13:02

Tgt Ion: 75 Resp: 37465
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.1 39.3

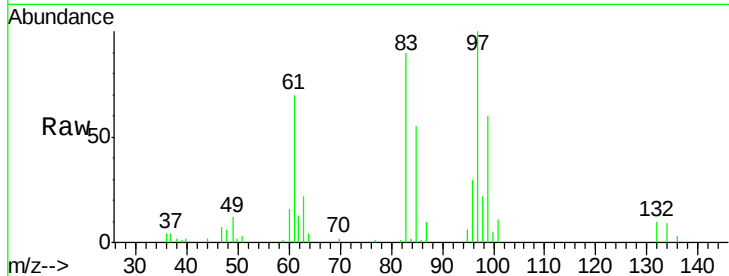




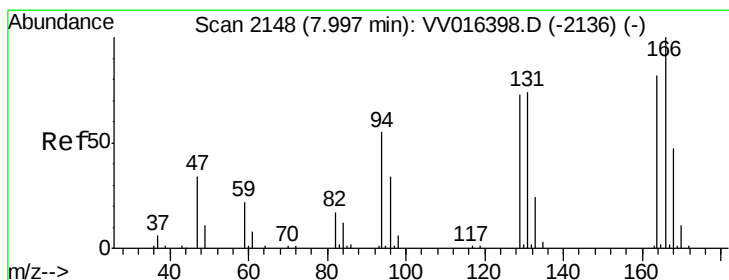
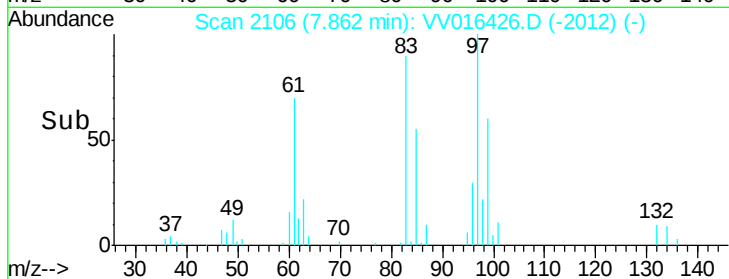
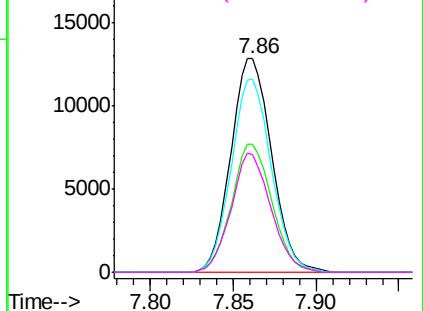
#47
 1,1,2-Trichloroethane
 Concen: 5.91 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016426.D
 Acq: 02 Jun 2020 13:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

Tgt Ion:	97	Resp:	22053
Ion	Ratio	Lower	Upper
97	100		
99	60.0	47.0	87.2
83	90.4	61.7	114.5
85	55.4	39.1	72.5

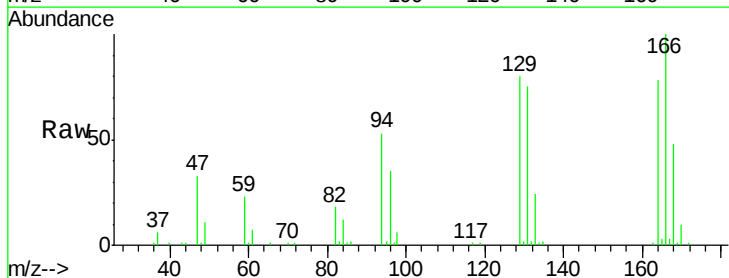


Abundance Ion 96.95 (96.65 to 97.65): VV016398.D (-2094) (-)
 Ion 99.05 (98.75 to 99.75): VV016398.D (-2094) (-)
 Ion 82.95 (82.65 to 83.65): VV016398.D (-2094) (-)
 Ion 85.00 (84.70 to 85.70): VV016398.D (-2094) (-)

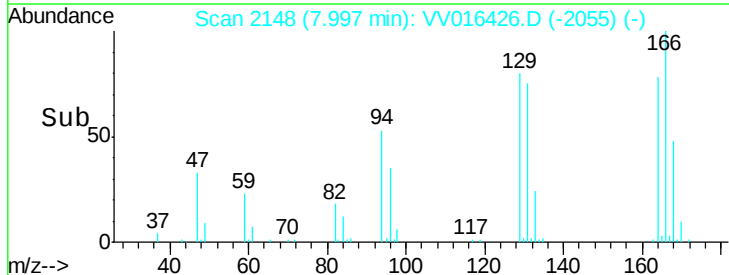
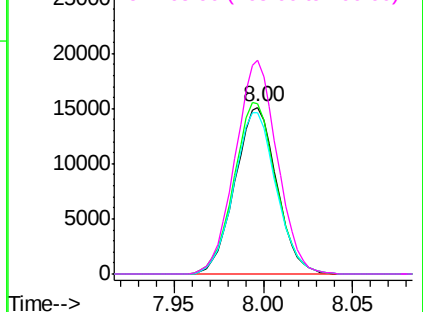


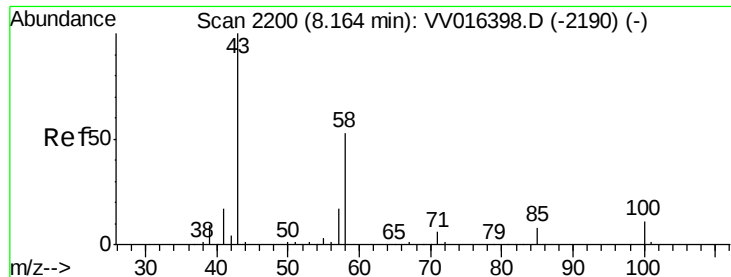
#49
 Tetrachloroethene
 Concen: 5.55 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016426.D
 Acq: 02 Jun 2020 13:02

Tgt Ion:	164	Resp:	24643
Ion	Ratio	Lower	Upper
164	100		
129	102.3	72.2	134.0
131	96.4	65.8	122.2
166	128.1	88.3	163.9



Abundance Ion 163.90 (163.60 to 164.60): VV016398.D (-2136) (-)
 Ion 128.95 (128.65 to 129.65): VV016398.D (-2136) (-)
 Ion 130.95 (130.65 to 131.65): VV016398.D (-2136) (-)
 Ion 165.90 (165.60 to 166.60): VV016398.D (-2136) (-)

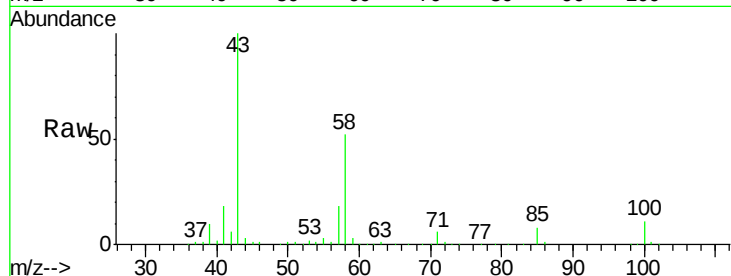




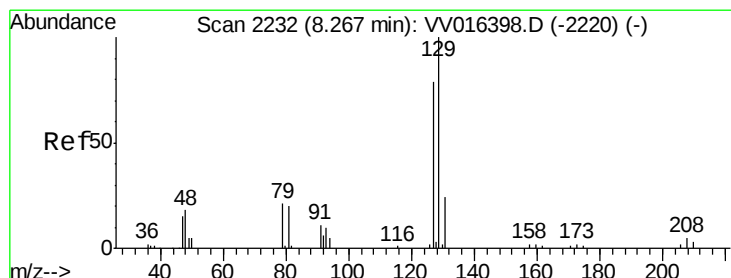
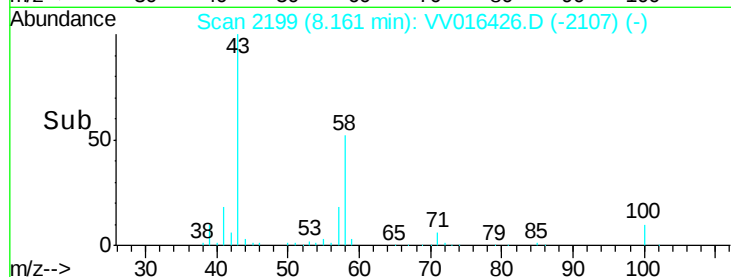
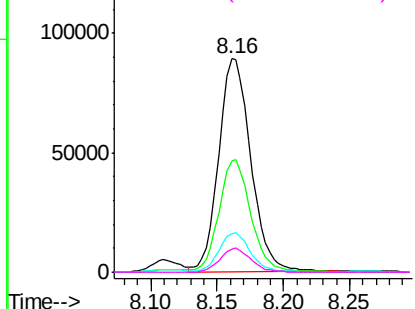
#50
2-Hexanone
Concen: 60.80 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV016426.D
Acq: 02 Jun 2020 13:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

Tgt Ion: 43 Resp: 149414
Ion Ratio Lower Upper
43 100
58 52.4 41.1 61.7
57 18.5 14.2 21.4
100 11.1 8.8 13.2

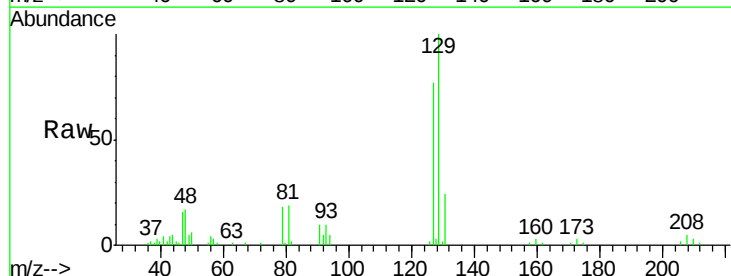


Abundance Ion 43.05 (42.75 to 43.75): VV016426.D (-2190) (-)
Ion 58.05 (57.75 to 58.75): VV016426.D (-2190) (-)
Ion 57.20 (56.90 to 57.90): VV016426.D (-2190) (-)
Ion 100.15 (99.85 to 100.85): VV016426.D (-2190) (-)

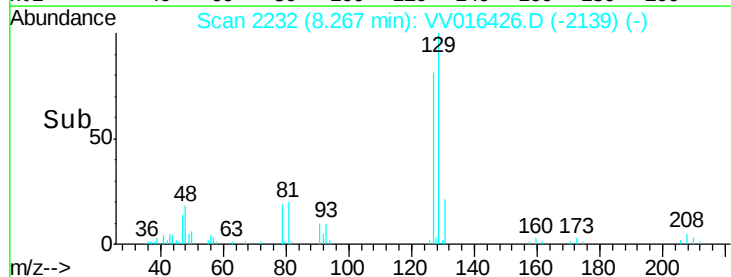
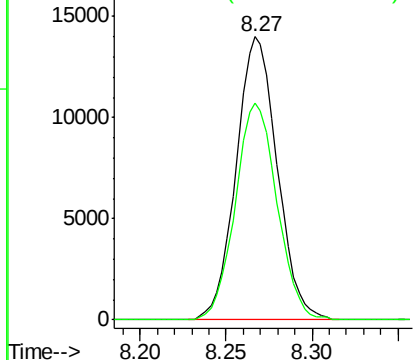


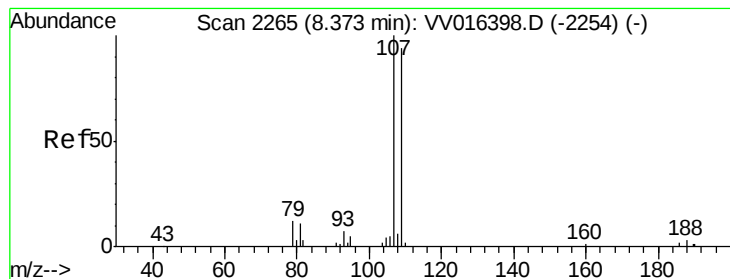
#51
Dibromochloromethane
Concen: 5.94 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016426.D
Acq: 02 Jun 2020 13:02

Tgt Ion: 129 Resp: 23172
Ion Ratio Lower Upper
129 100
127 76.6 57.0 105.8



Abundance Ion 128.95 (128.65 to 129.65): VV016426.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV016426.D (-2139) (-)





#52

1,2-Dibromoethane

Concen: 5.80 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

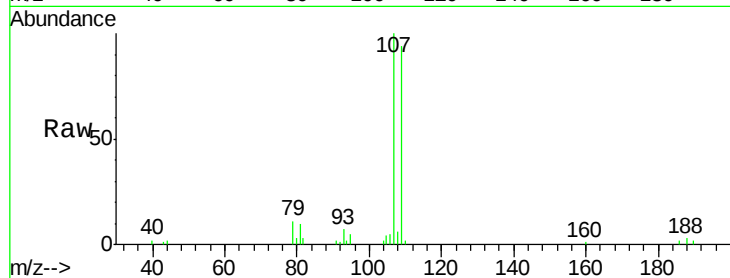
Tgt Ion:107 Resp: 20453

Ion Ratio Lower Upper

107 100

109 94.0 65.9 122.3

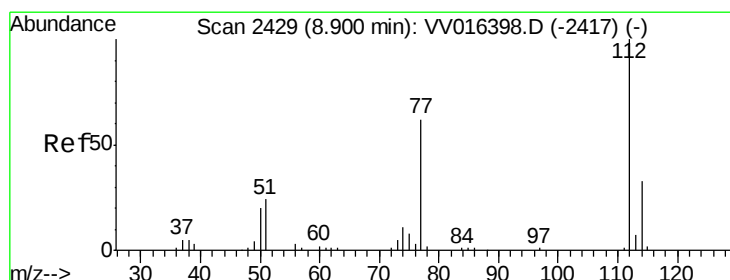
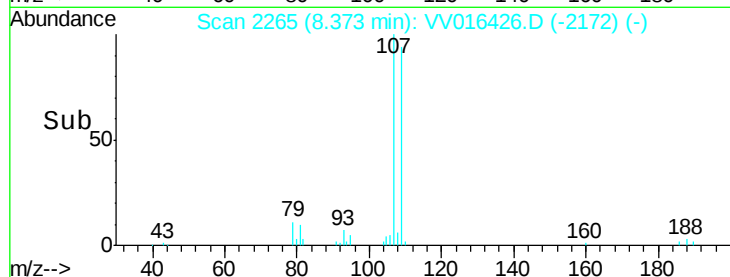
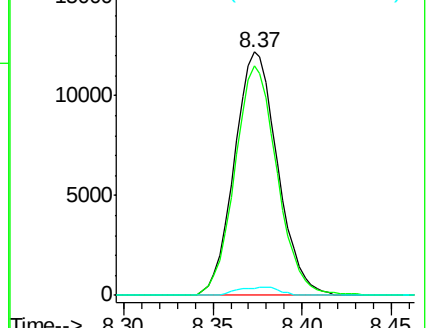
188 3.0 3.0 4.4



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 5.66 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

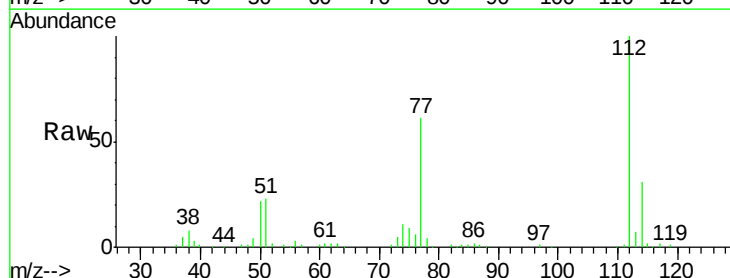
Tgt Ion:112 Resp: 87131

Ion Ratio Lower Upper

112 100

114 31.3 22.6 42.0

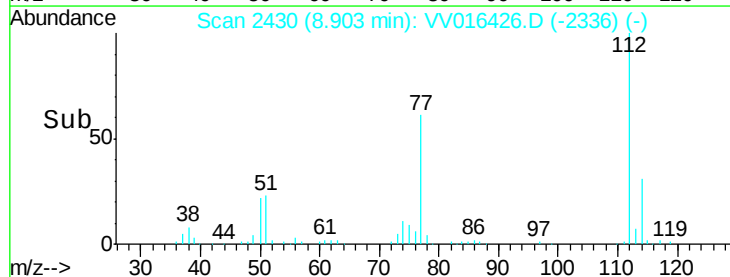
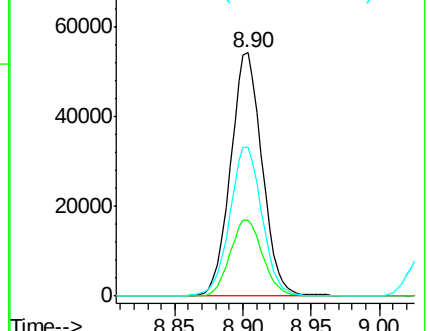
77 61.3 50.5 75.7

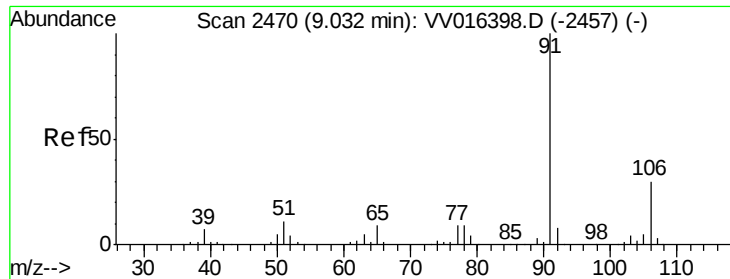


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#54

Ethylbenzene

Concen: 5.87 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

Instrument :

MSVOA_V

ClientSampleId :

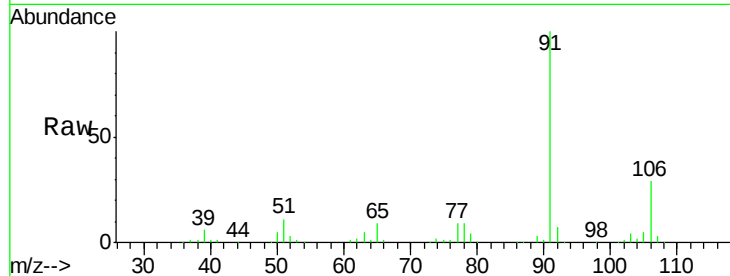
VSTD00550

Tgt Ion: 91 Resp: 158863

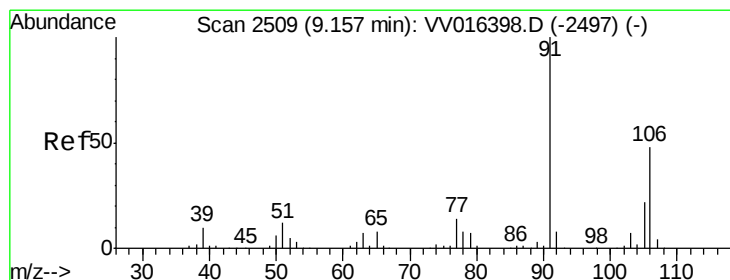
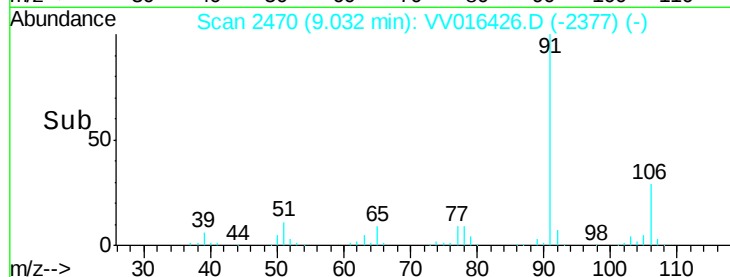
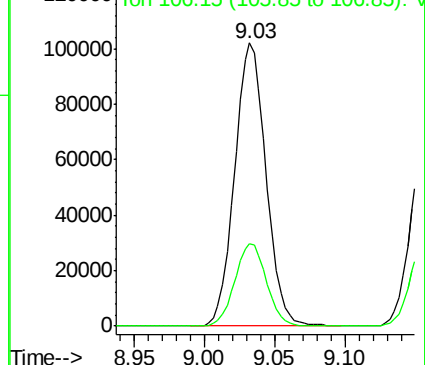
Ion Ratio Lower Upper

91 100

106 29.3 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VV016426.D (-2377) (-)



#55

m,p-xylene

Concen: 5.80 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016426.D

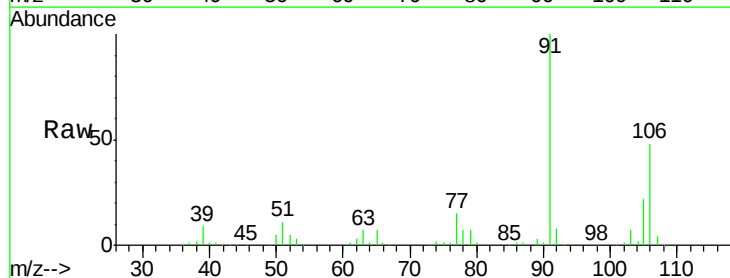
Acq: 02 Jun 2020 13:02

Tgt Ion: 106 Resp: 58740

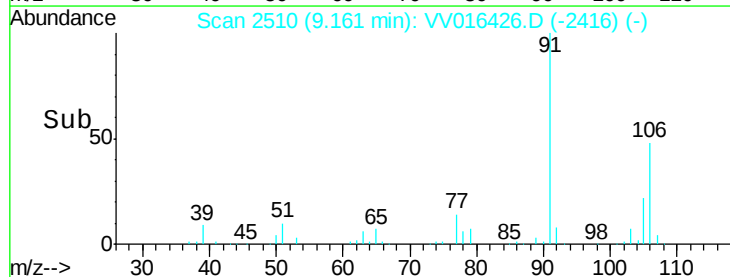
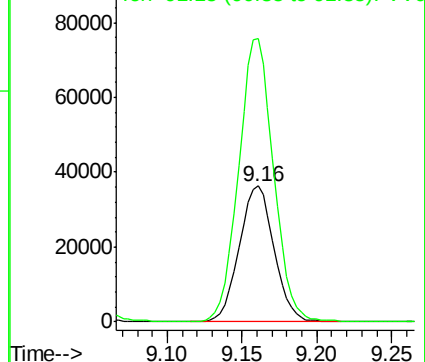
Ion Ratio Lower Upper

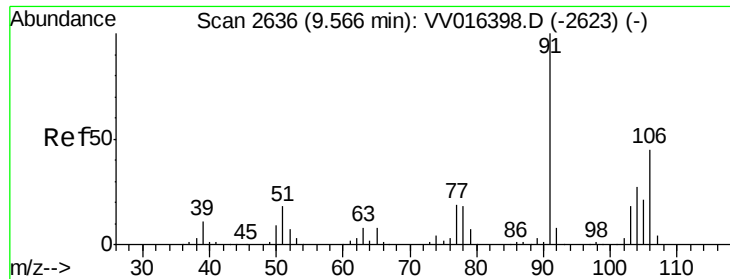
106 100

91 208.0 146.6 272.2



Abundance Ion 106.15 (105.85 to 106.85): VV016426.D (-2416) (-)

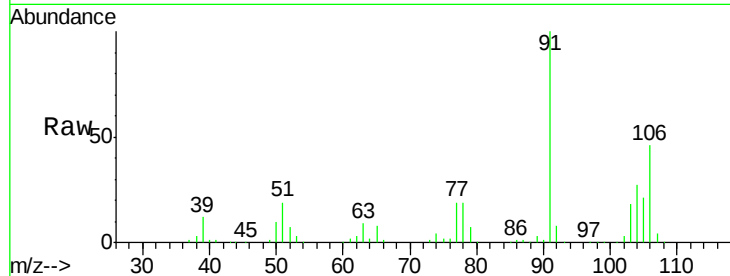




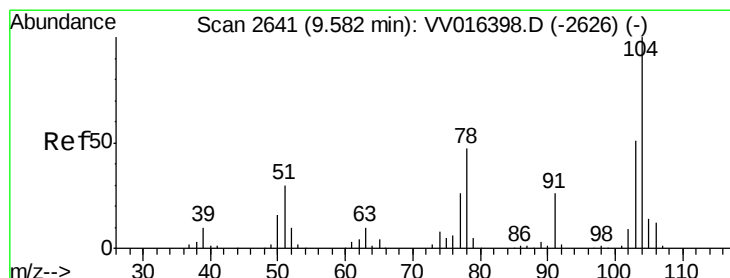
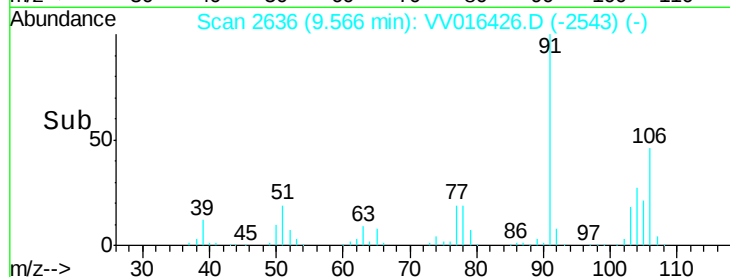
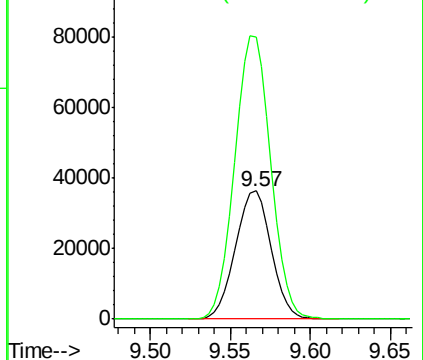
#56
o-xylene
Concen: 5.79 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016426.D
Acq: 02 Jun 2020 13:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

Tgt Ion:106 Resp: 55201
Ion Ratio Lower Upper
106 100
91 219.6 155.2 288.2

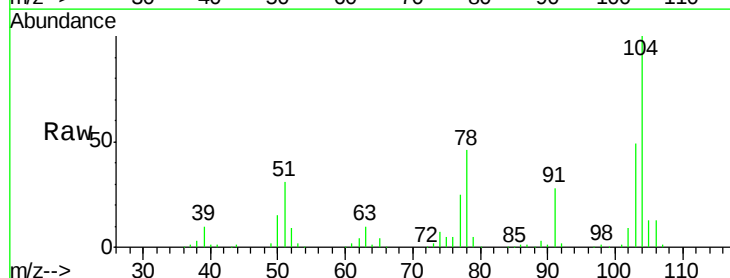


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

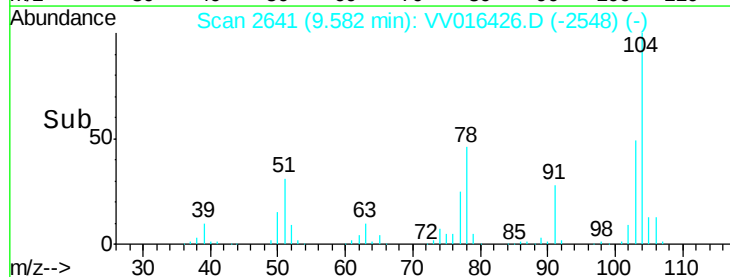
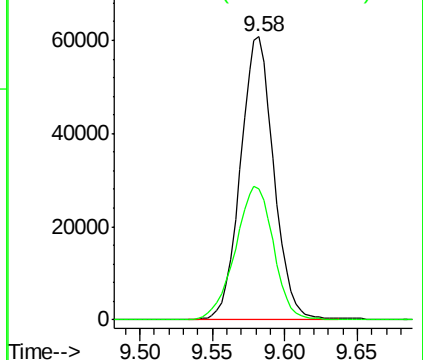


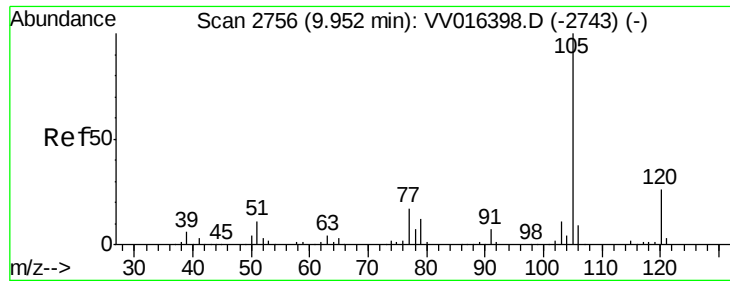
#57
Styrene
Concen: 5.96 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016426.D
Acq: 02 Jun 2020 13:02

Tgt Ion:104 Resp: 97042
Ion Ratio Lower Upper
104 100
78 46.2 32.6 60.6



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





#58

Isopropylbenzene

Concen: 5.79 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

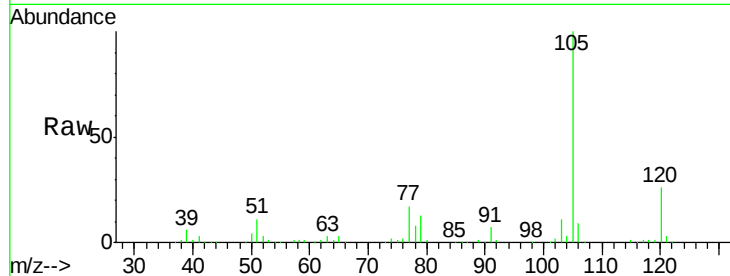
Tgt Ion: 105 Resp: 150527

Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

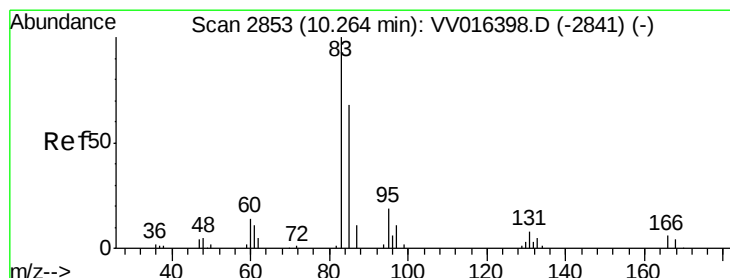
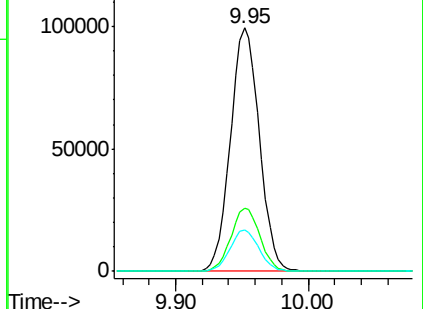
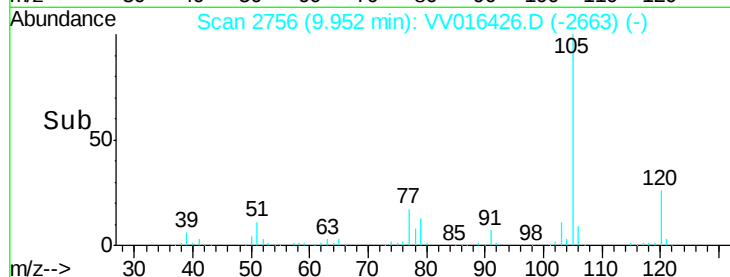
77 16.9 13.4 20.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.64 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

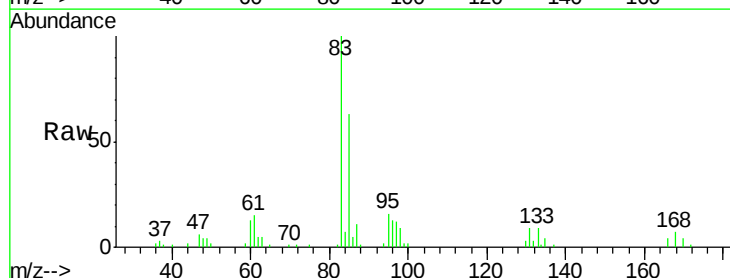
Tgt Ion: 83 Resp: 26534

Ion Ratio Lower Upper

83 100

85 62.7 43.7 81.1

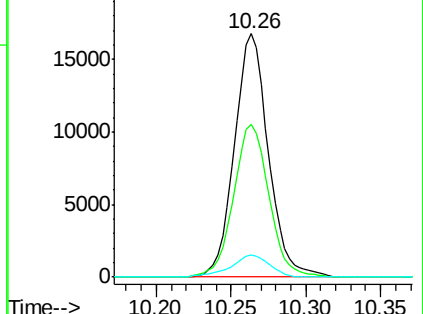
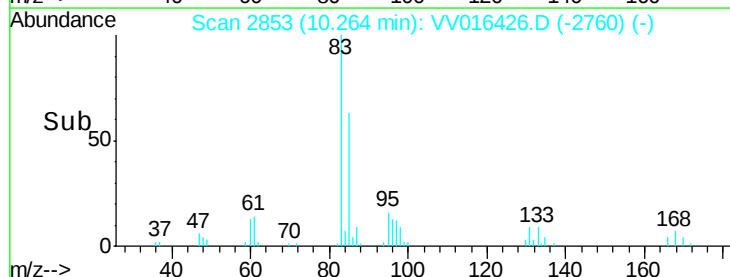
131 9.1 7.8 11.6

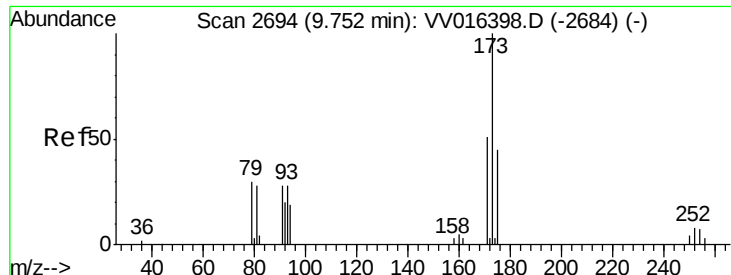


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 6.07 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

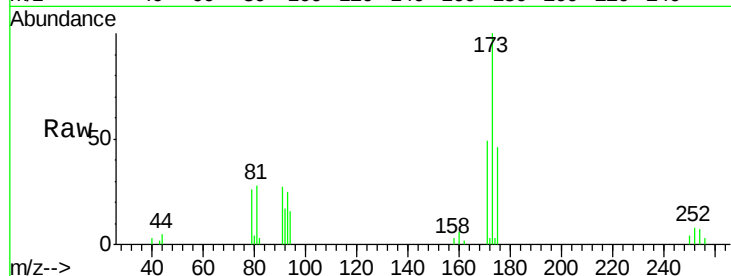
Tgt Ion:173 Resp: 9653

Ion Ratio Lower Upper

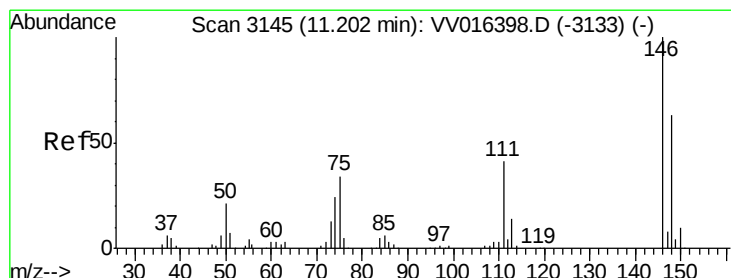
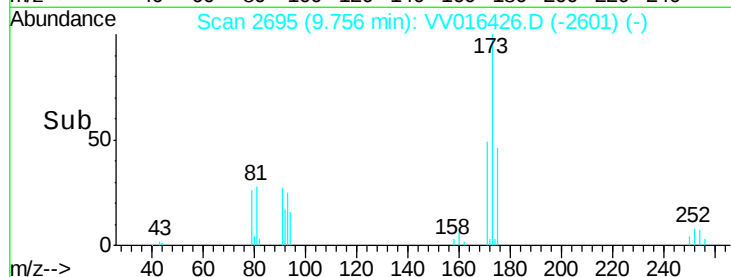
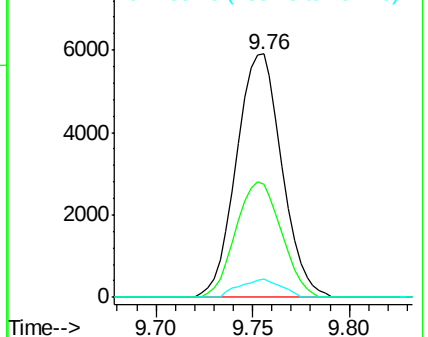
173 100

175 47.6 38.3 57.5

254 6.8 5.8 8.6



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.79 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

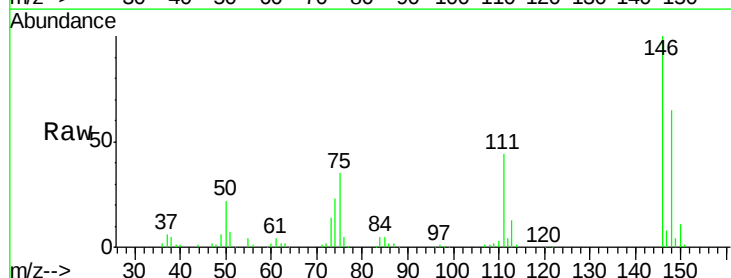
Tgt Ion:146 Resp: 67097

Ion Ratio Lower Upper

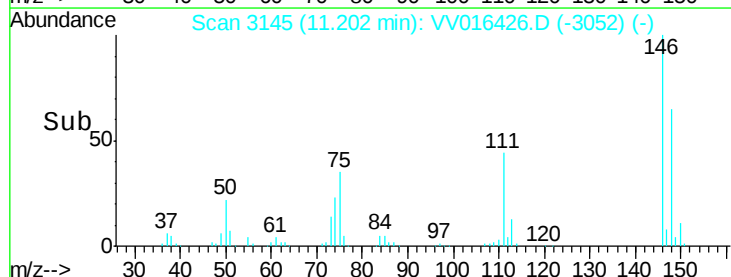
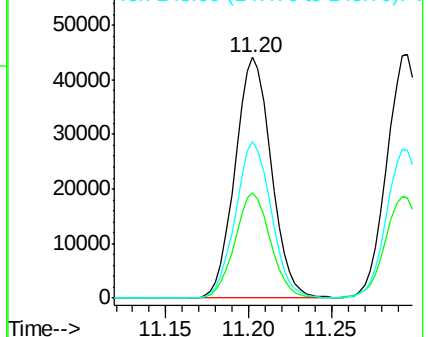
146 100

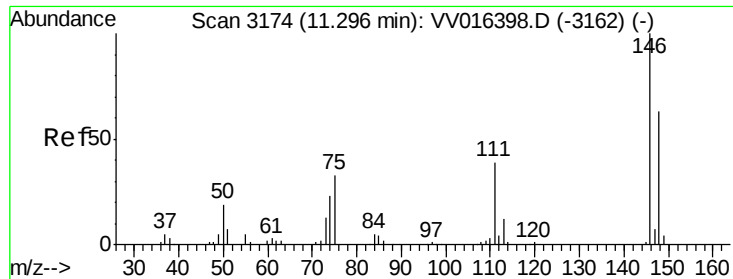
111 43.9 30.3 56.3

148 64.8 44.3 82.3



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





#64

1,4-Dichlorobenzene

Concen: 5.72 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

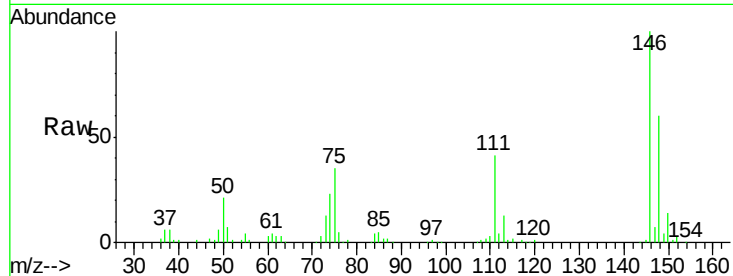
Tgt Ion:146 Resp: 68545

Ion Ratio Lower Upper

146 100

111 40.9 29.6 55.0

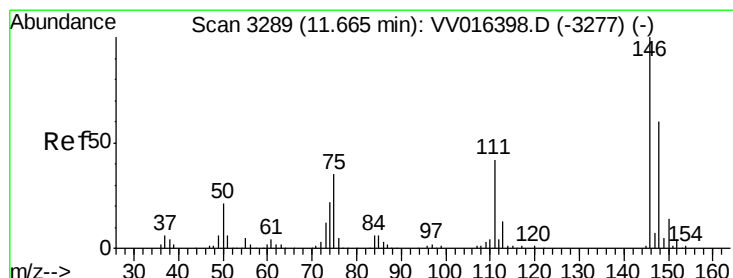
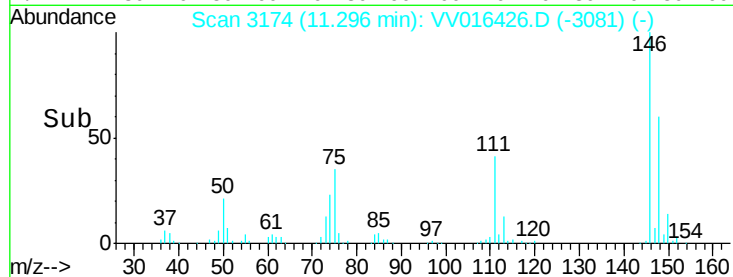
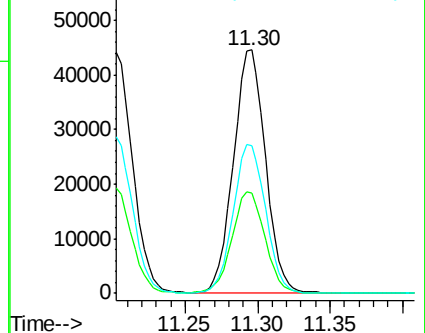
148 60.5 44.7 83.1



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-Dichlorobenzene

Concen: 5.61 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016426.D

Acq: 02 Jun 2020 13:02

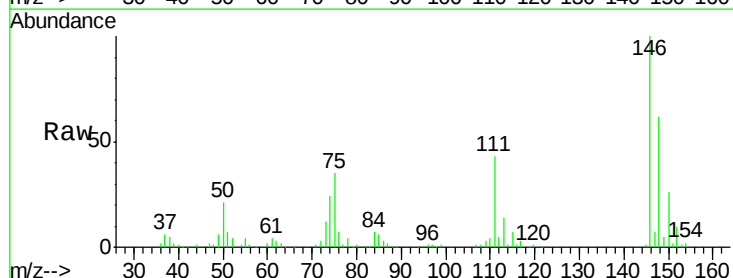
Tgt Ion:146 Resp: 60551

Ion Ratio Lower Upper

146 100

111 43.1 35.4 53.2

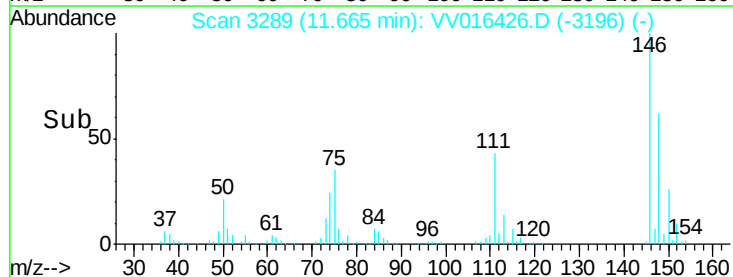
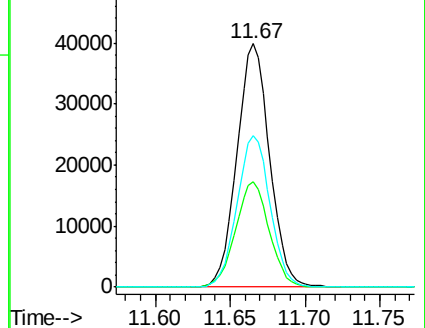
148 62.4 51.0 76.4

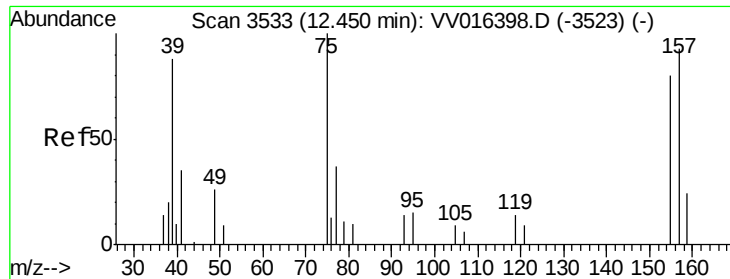


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

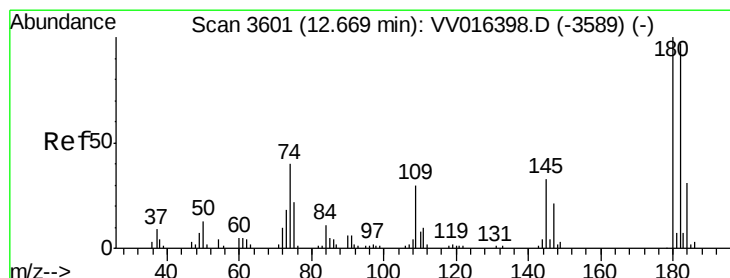
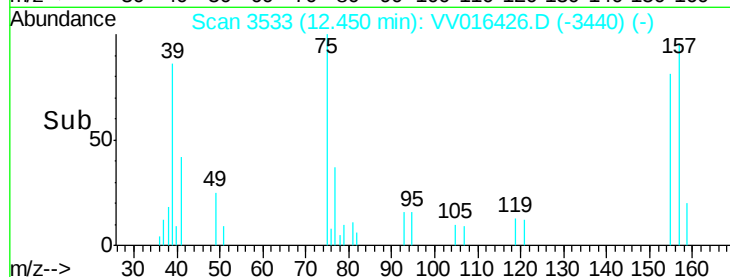
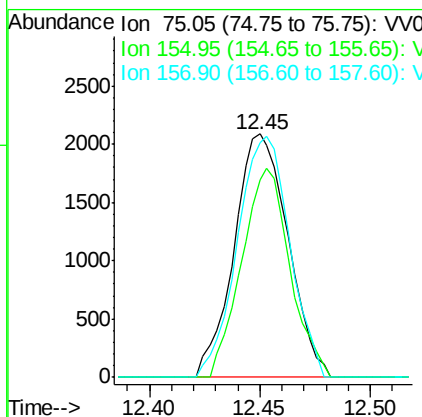
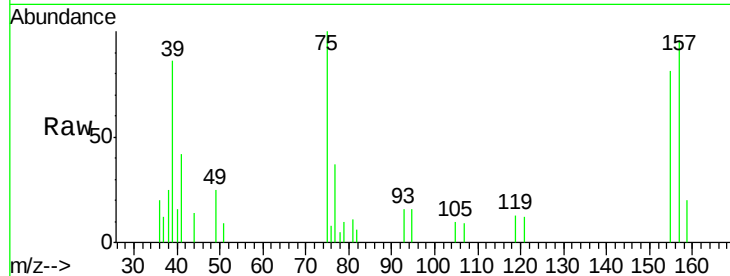




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.04 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV016426.D
 Acq: 02 Jun 2020 13:02

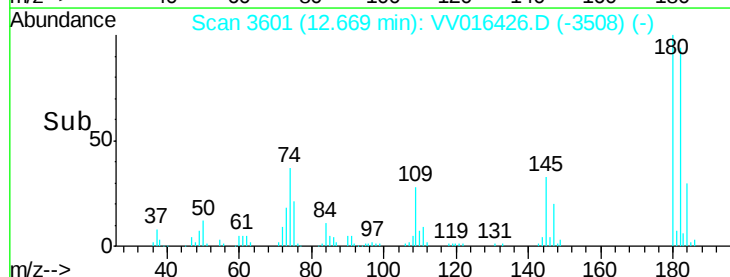
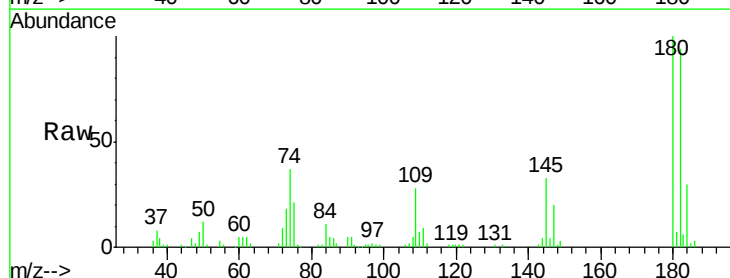
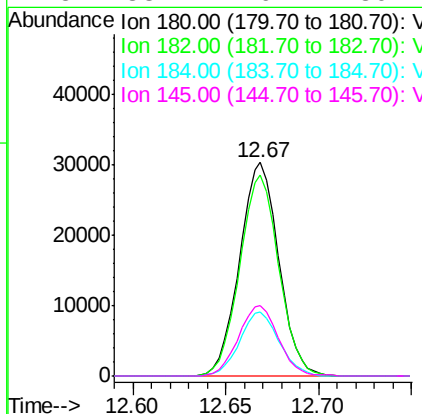
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00550

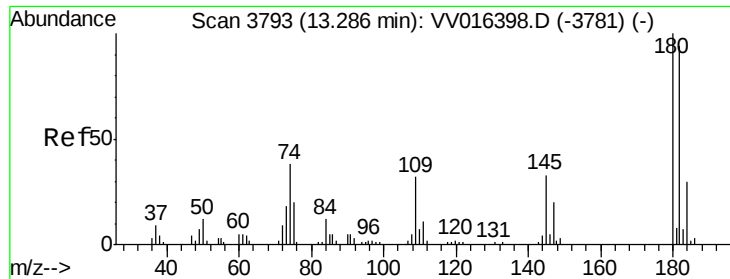
Tgt Ion: 75 Resp: 3543
 Ion Ratio Lower Upper
 75 100
 155 81.0 58.1 87.1
 157 96.3 71.0 106.4



#68
 1,3,5-Trichlorobenzene
 Concen: 5.36 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016426.D
 Acq: 02 Jun 2020 13:02

Tgt Ion: 180 Resp: 44769
 Ion Ratio Lower Upper
 180 100
 182 93.9 75.5 113.3
 184 30.1 24.2 36.2
 145 33.2 26.2 39.2

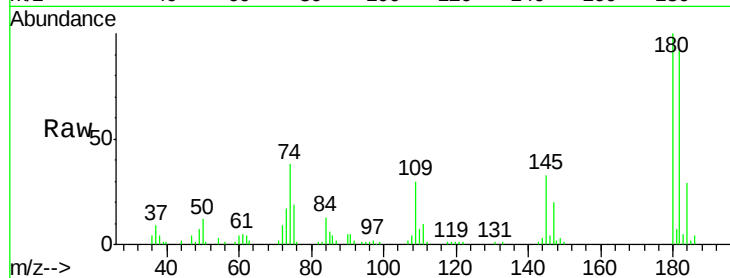




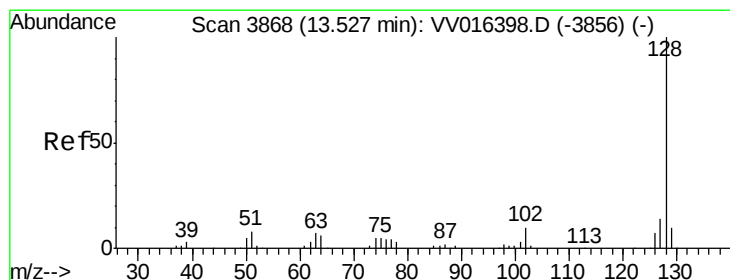
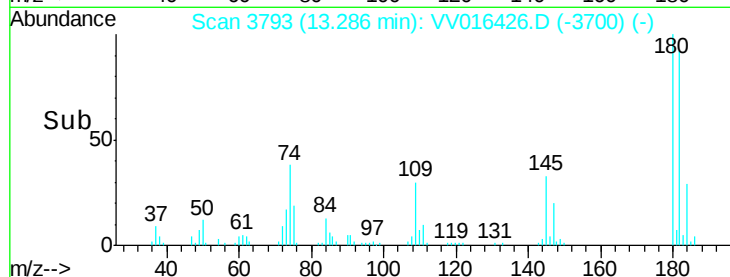
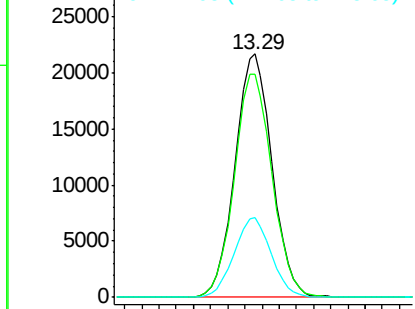
#69
 1,2,4-trichlorobenzene
 Concen: 4.53 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016426.D
 Acq: 02 Jun 2020 13:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

Tgt Ion:180 Resp: 32460
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.4 114.6
 145 32.7 26.9 40.3

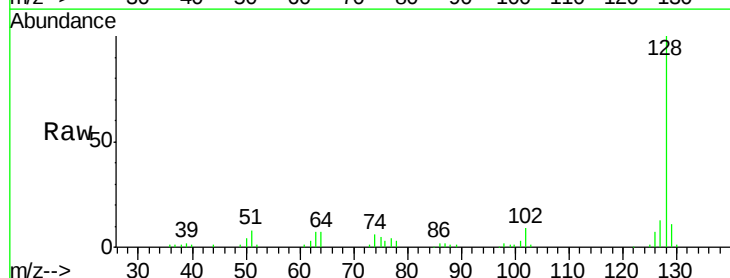


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

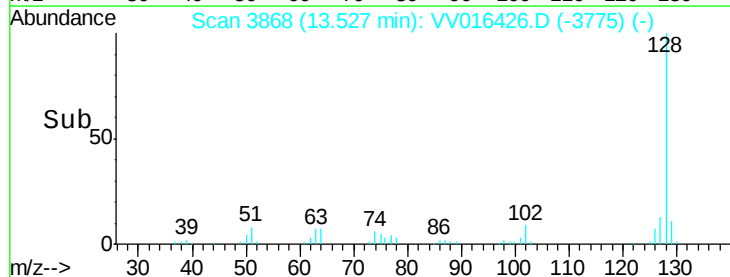
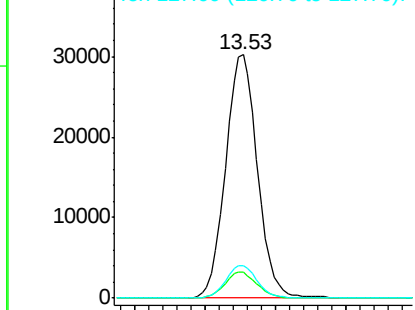


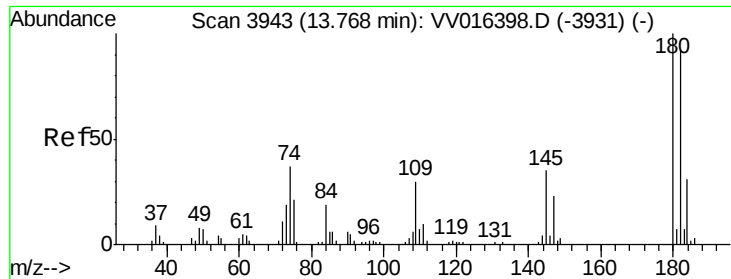
#70
 Naphthalene
 Concen: 2.77 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016426.D
 Acq: 02 Jun 2020 13:02

Tgt Ion:128 Resp: 47516
 Ion Ratio Lower Upper
 128 100
 129 10.6 8.6 12.8
 127 13.1 10.7 16.1



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





#71

1,2,3-Trichlorobenzene

Concen: 3.62 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016426.D

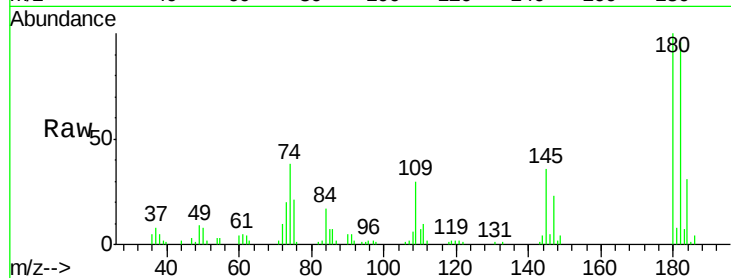
Acq: 02 Jun 2020 13:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550



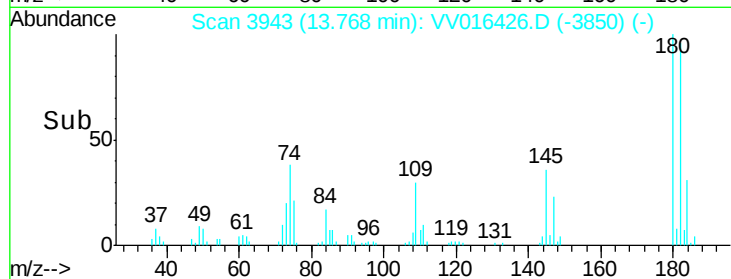
Tgt Ion:180 Resp: 23141

Ion Ratio Lower Upper

180 100

182 96.4 75.1 112.7

145 35.5 28.5 42.7



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

