

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060120\
 Data File : VV016421.D
 Acq On : 01 Jun 2020 19:21
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 02 01:19:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 02 01:13:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	88529	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	82742	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	39258	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	28552	3.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.58	69	22544	3.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.60%
11) 1,1-Dichloroethene-d2	2.12	63	55362	4.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.60%
20) 2-Butanone-d5	3.97	46	76011	45.45	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.90%
24) Chloroform-d	4.37	84	57684	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	5.06	65	31922	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.07	84	113133	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.09	67	34746	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.33	98	104602	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
45) trans-1,3-Dichloropropene-	7.64	79	11684	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
48) 2-Hexanone-d5	8.11	63	66316	54.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.86%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	25646	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	33727	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	33828	4.688 ug/L	100
3) Chloromethane	1.25	50	35641	4.033 ug/L	99
5) Vinyl chloride	1.32	62	33998	4.305 ug/L	98
6) Bromomethane	1.53	94	12703	2.863 ug/L	99
8) Chloroethane	1.59	64	20053	4.214 ug/L	96
9) Trichlorofluoromethane	1.76	101	50945	4.763 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	26930	4.491 ug/L	98
12) 1,1-Dichloroethene	2.13	96	24809	4.354 ug/L	90
13) Acetone	2.24	43	9628	8.559 ug/L	91
14) Carbon disulfide	2.30	76	70367	4.061 ug/L	97
15) Methyl Acetate	2.46	43	11796	4.179 ug/L #	85
16) Methylene chloride	2.52	84	26374	4.327 ug/L	99
17) Methyl tert-butyl Ether	2.79	73	65351	4.897 ug/L	98
18) trans-1,2-Dichloroethene	2.77	96	26935	4.454 ug/L	97
19) 1,1-Dichloroethane	3.21	63	51558	4.322 ug/L	97
21) 2-Butanone	4.05	43	83967	50.622 ug/L #	75
22) cis-1,2-Dichloroethene	3.93	96	31860	4.773 ug/L	93

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 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

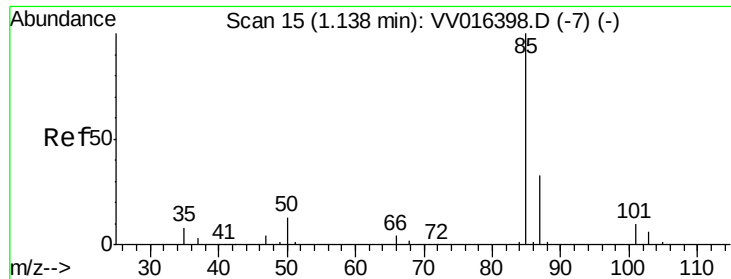
Instrument :
 MSVOA_V
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
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 Response via : Initial Calibration

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

23) Bromochloromethane	4.27	128	13683	5.253	ug/L	89
25) Chloroform	4.40	83	62779	5.251	ug/L	96
27) 1,2-Dichloroethane	5.16	62	38502	4.883	ug/L	97
29) 1,1,1-Trichloroethane	4.63	97	52561	5.388	ug/L	97
30) Cyclohexane	4.69	56	53338	5.079	ug/L	98
31) Carbon tetrachloride	4.85	117	41892	4.989	ug/L	97
33) Benzene	5.12	78	128319	5.237	ug/L	100
34) Trichloroethene	5.93	95	32824	5.110	ug/L	91
35) Methylcyclohexane	6.15	83	50538	4.885	ug/L	99
37) 1,2-Dichloropropane	6.20	63	31690	5.116	ug/L	99
38) Bromodichloromethane	6.53	83	37088	4.979	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	40371	4.934	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	209134	55.904	ug/L	99
42) Toluene	7.41	91	134579	5.168	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	116700	5.052	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	119051	5.059	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	33359	4.935	ug/L	95
47) 1,1,2-Trichloroethane	7.86	97	21311	5.379	ug/L	96
49) Tetrachloroethene	7.99	164	23001	4.882	ug/L	97
50) 2-Hexanone	8.17	43	147607	56.570	ug/L	100
51) Dibromochloromethane	8.27	129	19124	4.617	ug/L	96
52) 1,2-Dibromoethane	8.37	107	20053	5.355	ug/L	98
53) Chlorobenzene	8.90	112	83200	5.090	ug/L	99
54) Ethylbenzene	9.03	91	148936	5.185	ug/L	98
55) m,p-xylene	9.16	106	55290	5.143	ug/L	98
56) o-xylene	9.56	106	52584	5.194	ug/L	97
57) Styrene	9.58	104	92230	5.335	ug/L	96
58) Isopropylbenzene	9.95	105	142613	5.169	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	26015	5.205	ug/L	98
62) Bromoform	9.75	173	6233	3.759	ug/L	97
63) 1,3-Dichlorobenzene	11.20	146	62597	5.176	ug/L	97
64) 1,4-Dichlorobenzene	11.29	146	64648	5.171	ug/L	96
66) 1,2-Dichlorobenzene	11.66	146	56592	5.028	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	3245	4.423	ug/L	96
68) 1,3,5-Trichlorobenzene	12.67	180	39026	4.482	ug/L	100
69) 1,2,4-trichlorobenzene	13.28	180	27755	3.713	ug/L	99
70) Naphthalene	13.52	128	41410	2.313	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	19881	2.981	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.688 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

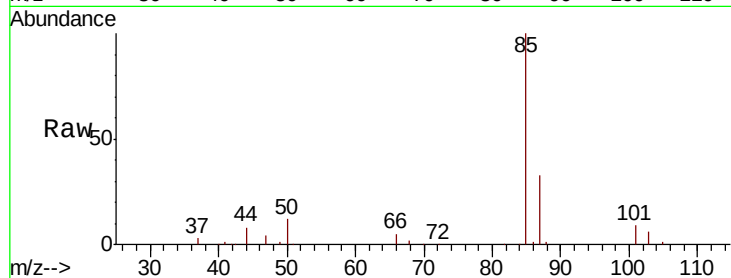
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 33828

Ion Ratio Lower Upper

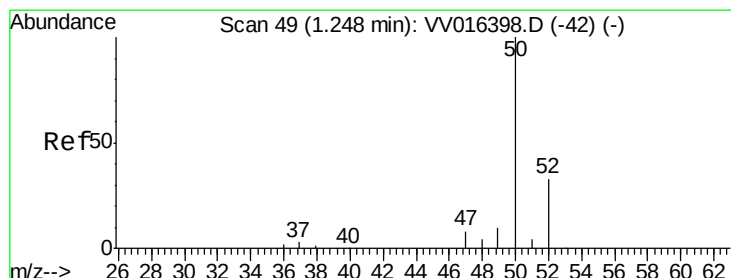
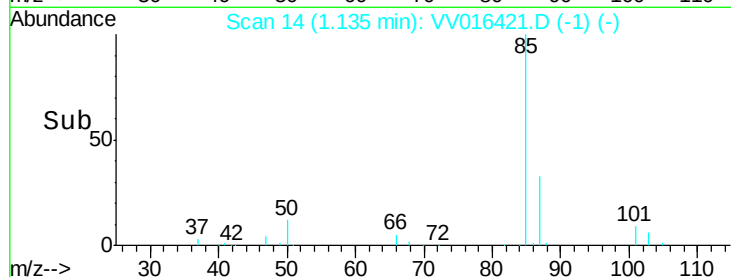
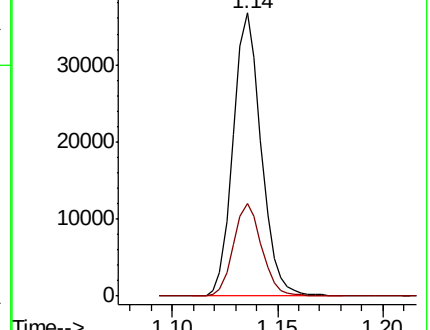
85 100

87 33.0 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.033 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016421.D

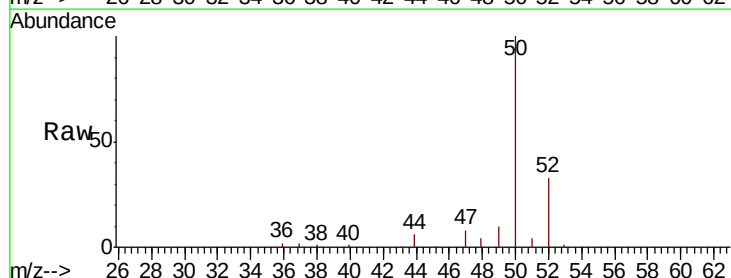
Acq: 01 Jun 2020 19:21

Tgt Ion: 50 Resp: 35641

Ion Ratio Lower Upper

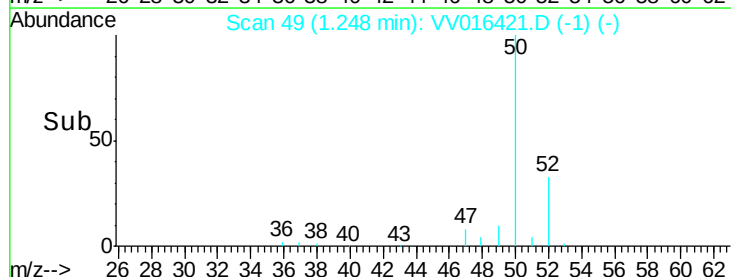
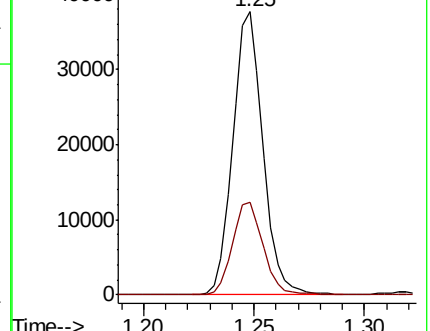
50 100

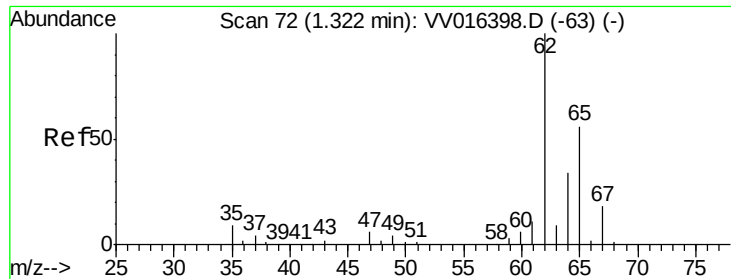
52 32.6 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.305 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

Instrument :

MSVOA_V

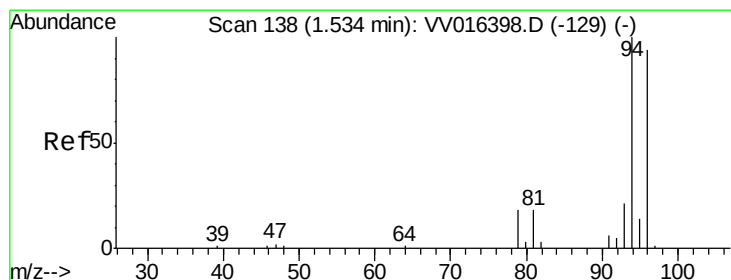
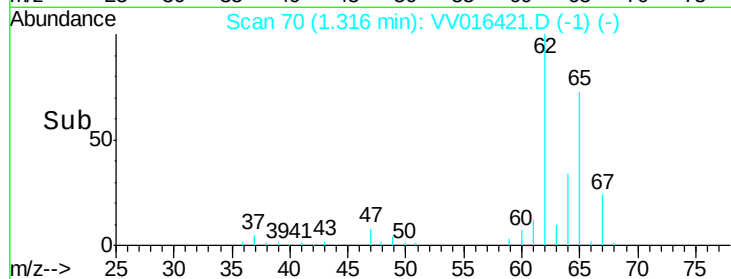
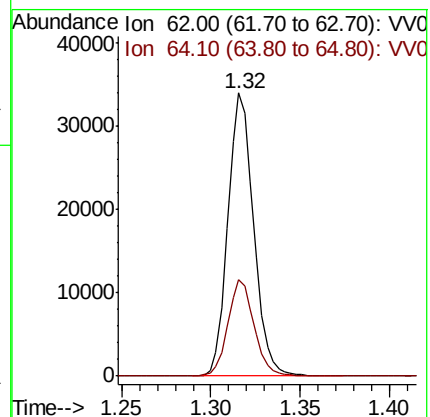
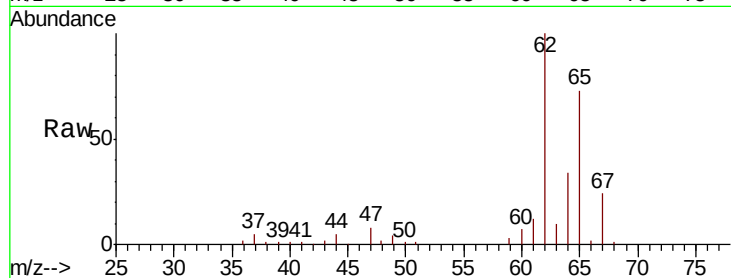
ClientSampleId :

Tot Ion: 62 Resp: 33998

Ion Ratio Lower Upper

62 100

64 34.0 23.1 42.9



#6

Bromomethane

Concen: 2.863 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.01 min

Lab File: VV016421.D

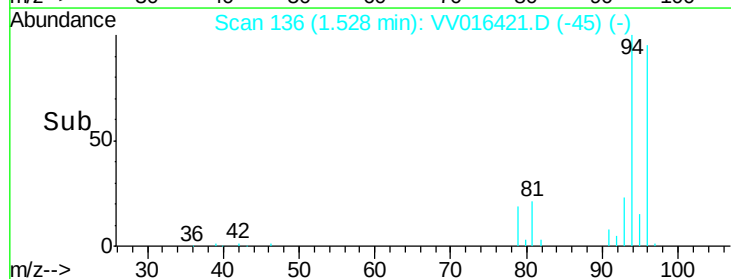
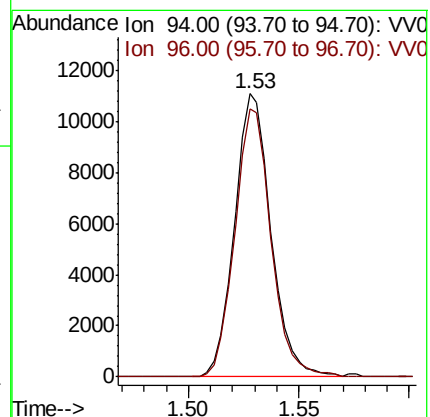
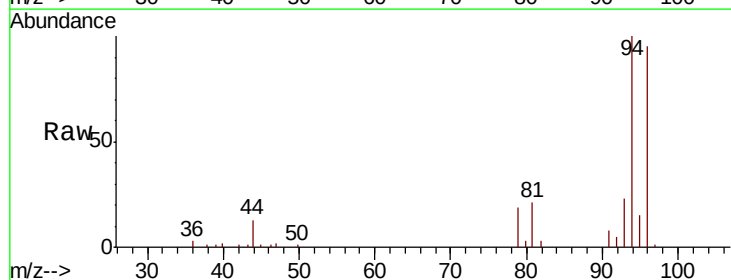
Acq: 01 Jun 2020 19:21

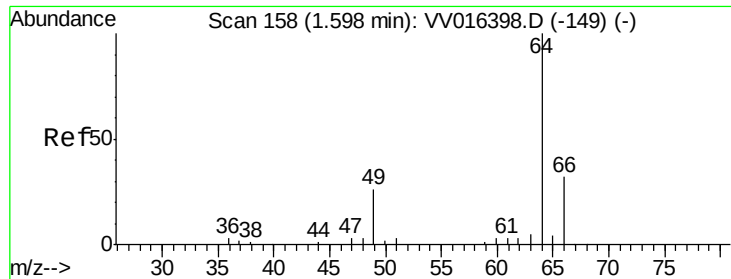
Tgt Ion: 94 Resp: 12703

Ion Ratio Lower Upper

94 100

96 94.6 67.0 124.4

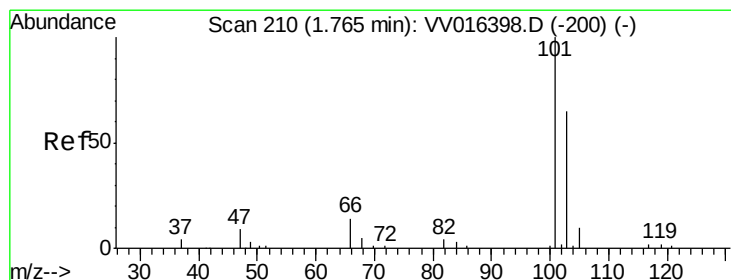
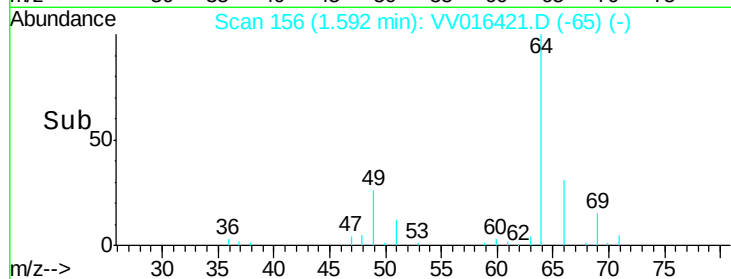
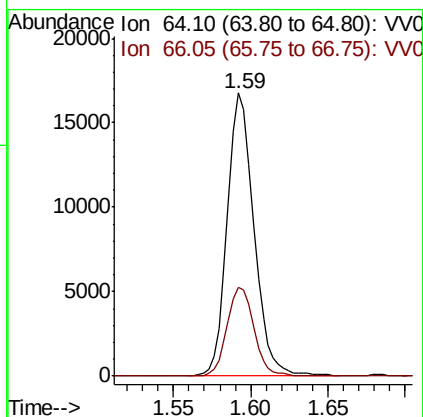
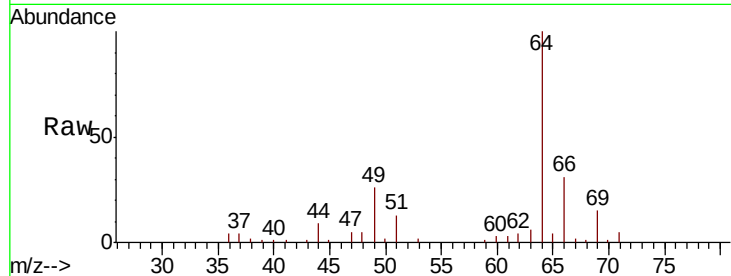




#8
 Chloroethane
 Concen: 4.214 ug/L
 RT: 1.59 min Scan# 156
 Delta R.T. -0.01 min
 Lab File: VV016421.D
 Acq: 01 Jun 2020 19:21

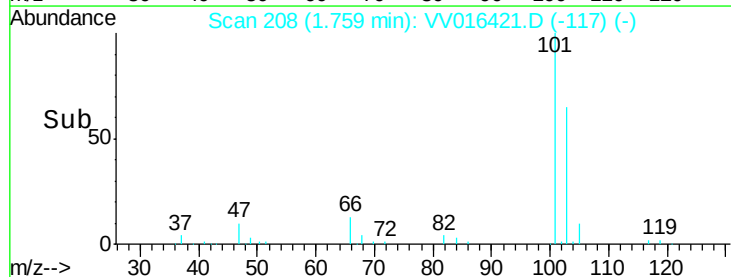
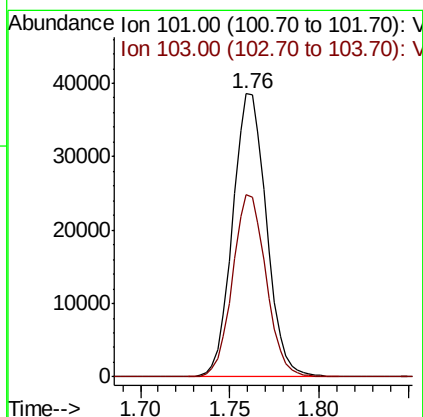
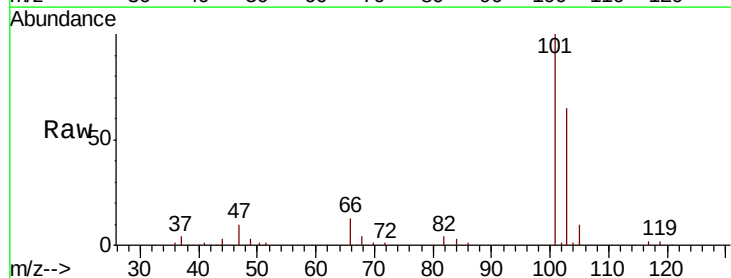
Instrument :
 MSVOA_V
 ClientSampleId :

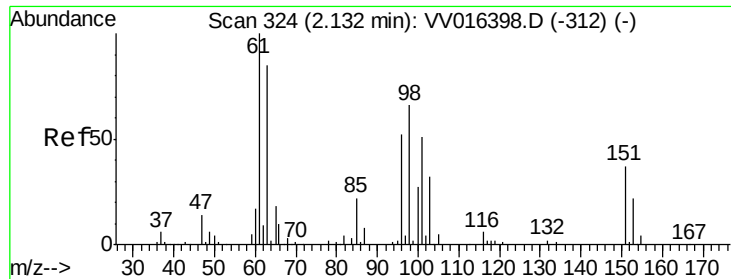
Tot Ion: 64 Resp: 20053
 Ion Ratio Lower Upper
 64 100
 66 31.3 23.4 43.6



#9
 Trichlorofluoromethane
 Concen: 4.763 ug/L
 RT: 1.76 min Scan# 208
 Delta R.T. -0.01 min
 Lab File: VV016421.D
 Acq: 01 Jun 2020 19:21

Tgt Ion: 101 Resp: 50945
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.2 78.4





#10

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

Concen: 4.491 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampleId :

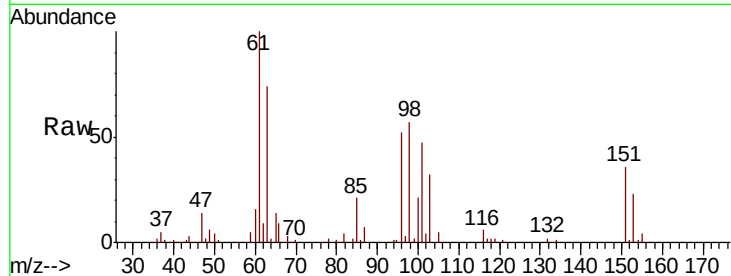
Tot Ion:101 Resp: 26930

Ion Ratio Lower Upper

101 100

85 43.7 35.7 53.5

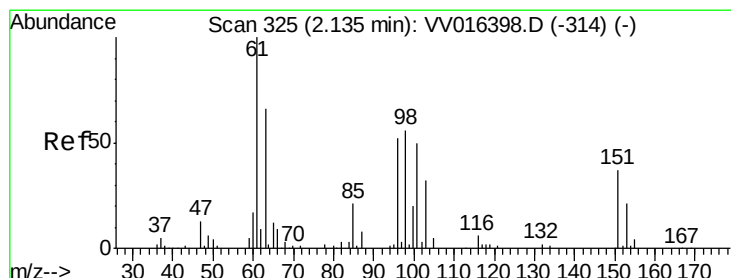
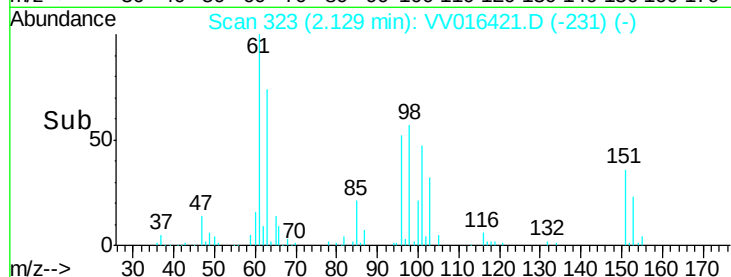
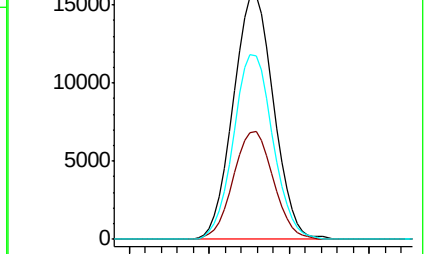
151 73.4 57.2 85.8



Abundance Ion 101.00 (100.70 to 101.70): VV016398.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV016398.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV016398.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 4.354 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

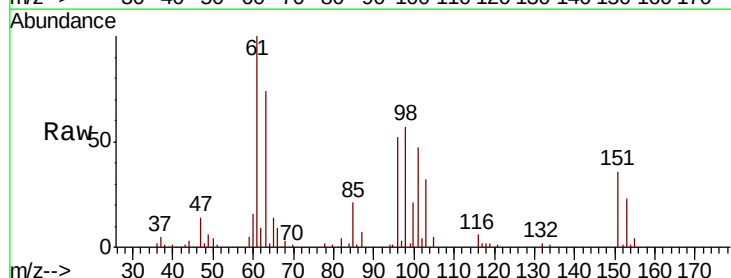
Tgt Ion: 96 Resp: 24809

Ion Ratio Lower Upper

96 100

61 190.5 125.4 233.0

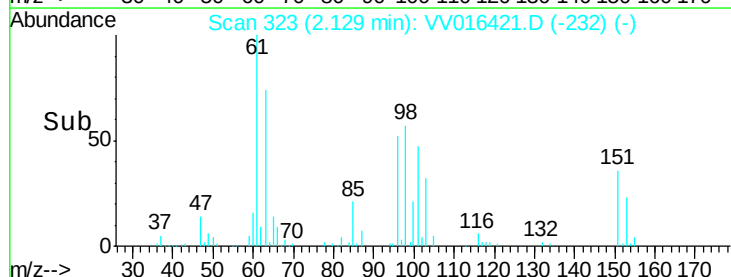
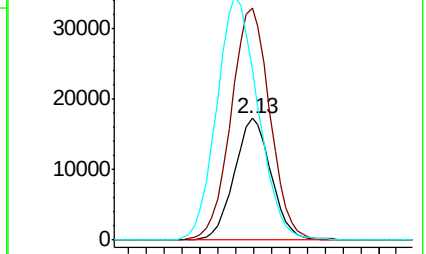
63 140.1 88.2 163.8

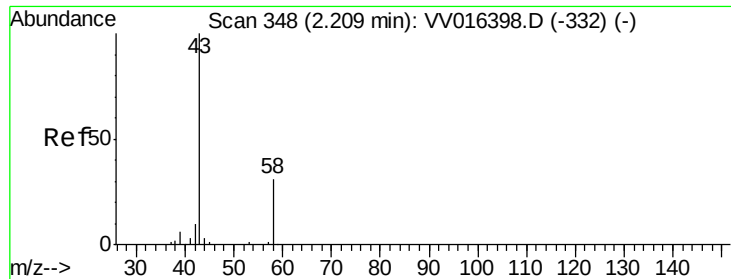


Abundance Ion 96.00 (95.70 to 96.70): VV016398.D (-314) (-)

Ion 61.05 (60.75 to 61.75): VV016398.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV016398.D (-314) (-)





#13

Acetone

Concen: 8.559 ug/L

RT: 2.24 min Scan# 358

Delta R.T. 0.03 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

Instrument :

MSVOA_V

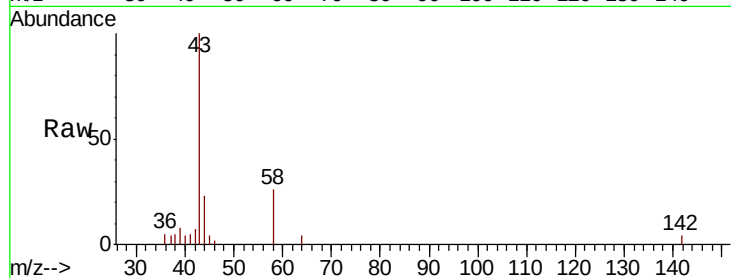
ClientSampled :

Tot Ion: 43 Resp: 9628

Ion Ratio Lower Upper

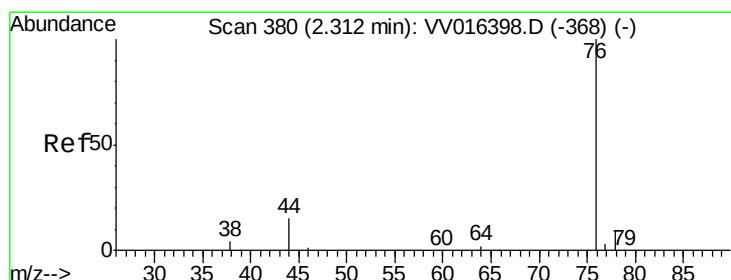
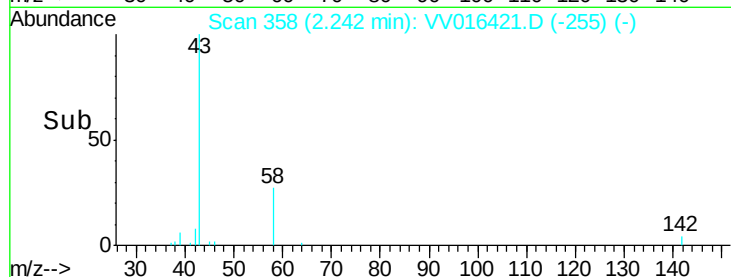
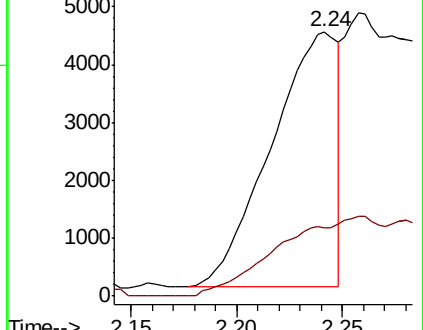
43 100

58 25.0 0.0 59.2



Abundance Ion 43.05 (42.75 to 43.75): VV016398.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV016398.D (-332) (-)



#14

Carbon disulfide

Concen: 4.061 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.01 min

Lab File: VV016421.D

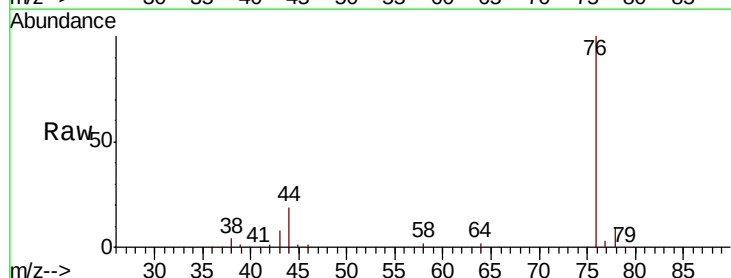
Acq: 01 Jun 2020 19:21

Tgt Ion: 76 Resp: 70367

Ion Ratio Lower Upper

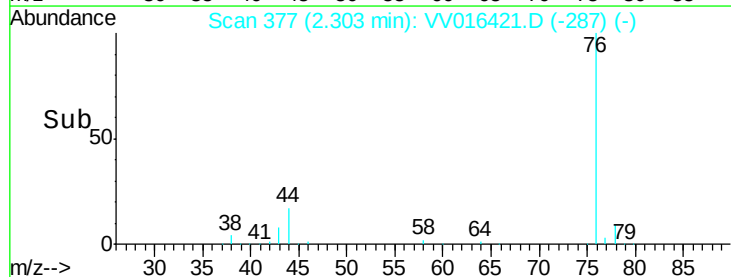
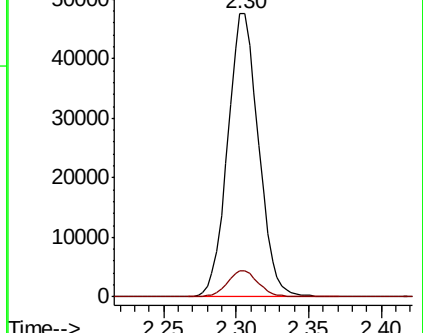
76 100

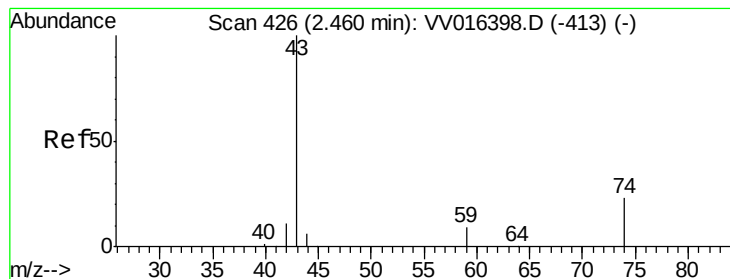
78 9.4 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VV016398.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV016398.D (-368) (-)





#15

Methvl Acetate

Concen: 4.179 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

Instrument :

MSVOA_V

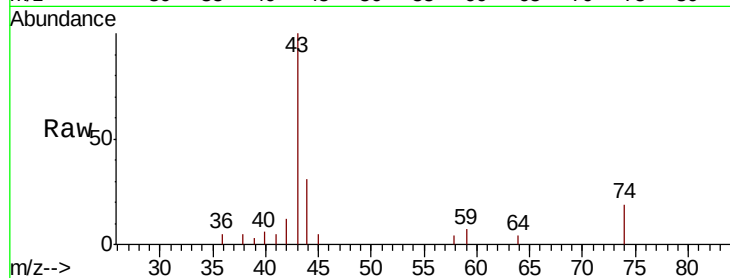
ClientSampleId :

Tot Ion: 43 Resp: 11796

Ion Ratio Lower Upper

43 100

74 15.9 18.6 28.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.46

4000

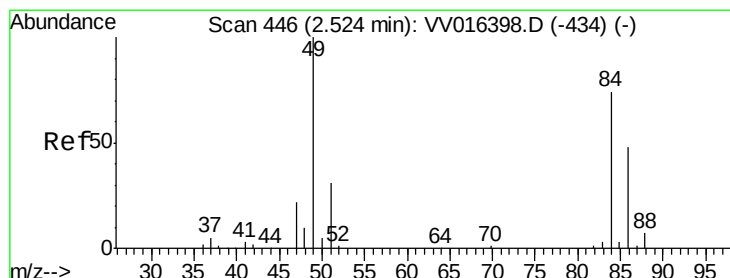
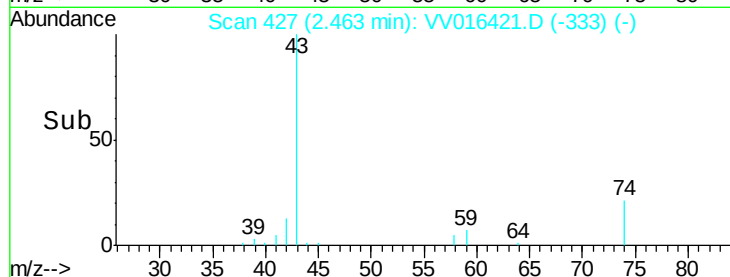
3000

2000

1000

0

Time-->



#16

Methylene chloride

Concen: 4.327 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

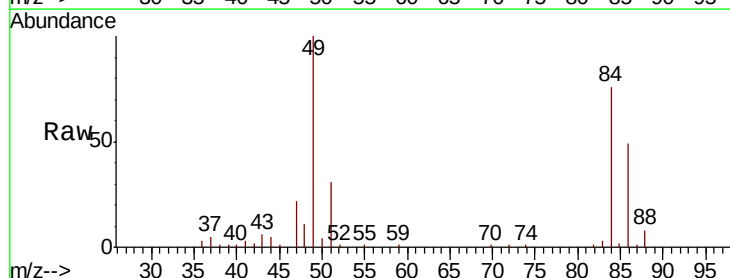
Tgt Ion: 84 Resp: 26374

Ion Ratio Lower Upper

84 100

86 64.7 44.5 82.7

49 132.1 92.3 171.3



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

25000

20000

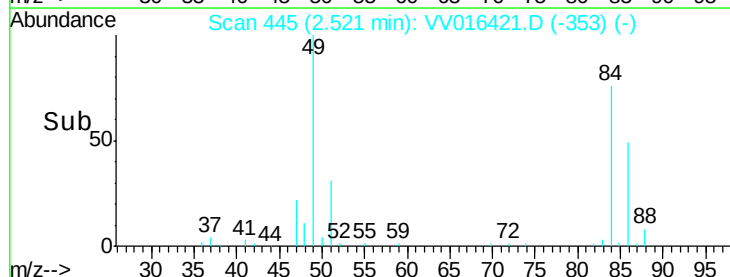
15000

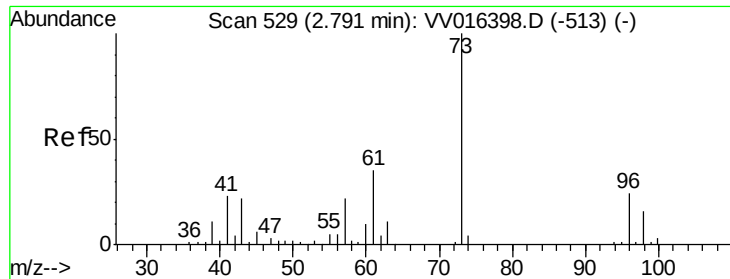
10000

5000

0

Time-->

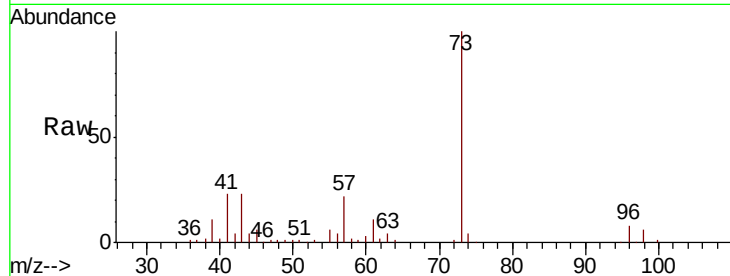




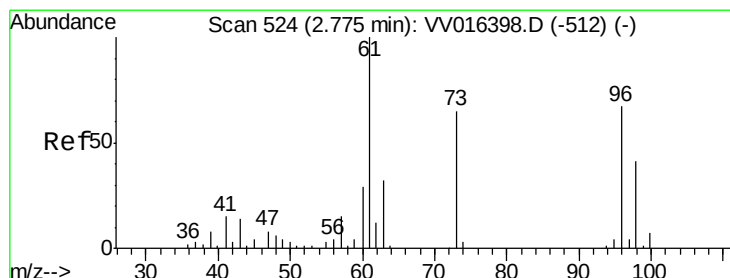
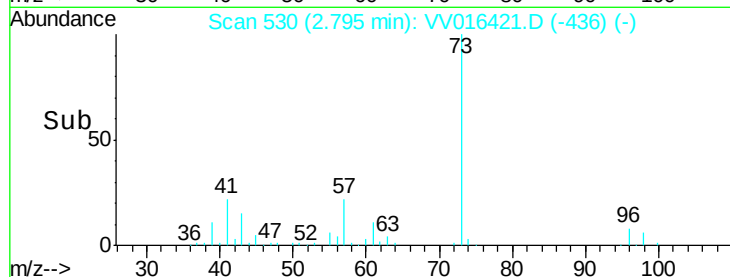
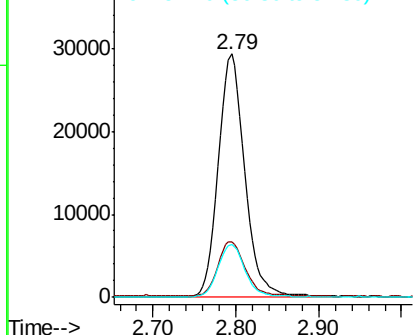
#17
Methyl tert-butyl Ether
Concen: 4.897 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV016421.D
Acq: 01 Jun 2020 19:21

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 65351
Ion Ratio Lower Upper
73 100
43 22.5 19.4 29.0
57 22.4 18.4 27.6

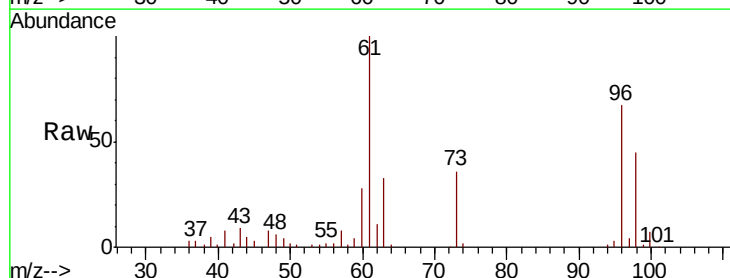


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

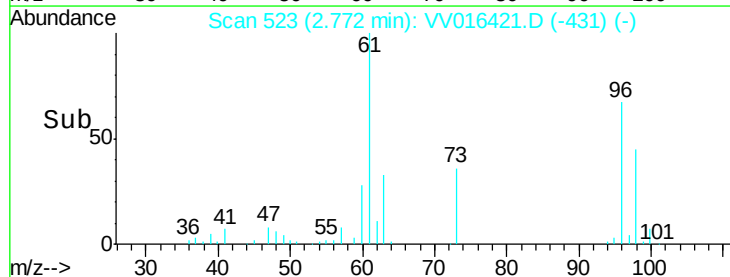
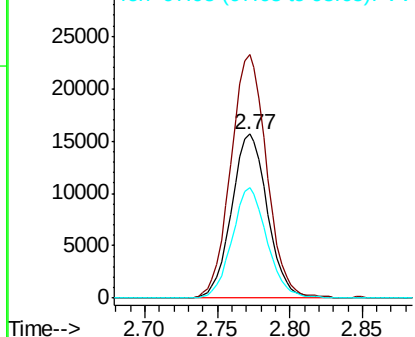


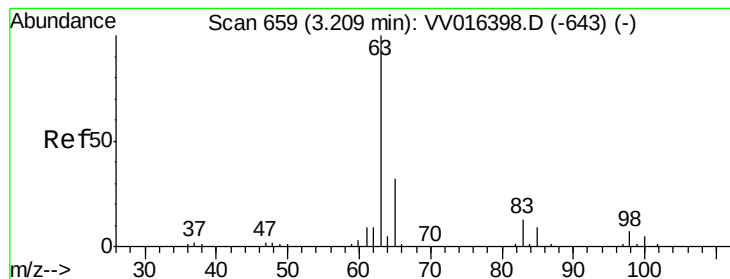
#18
trans-1,2-Dichloroethene
Concen: 4.454 ug/L
RT: 2.77 min Scan# 523
Delta R.T. -0.00 min
Lab File: VV016421.D
Acq: 01 Jun 2020 19:21

Tgt Ion: 96 Resp: 26935
Ion Ratio Lower Upper
96 100
61 148.3 103.1 191.5
98 67.4 43.0 79.8



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 4.322 ug/L

RT: 3.21 min Scan# 658

Delta R.T. -0.00 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

Instrument :
MSVOA_V
ClientSampleId :

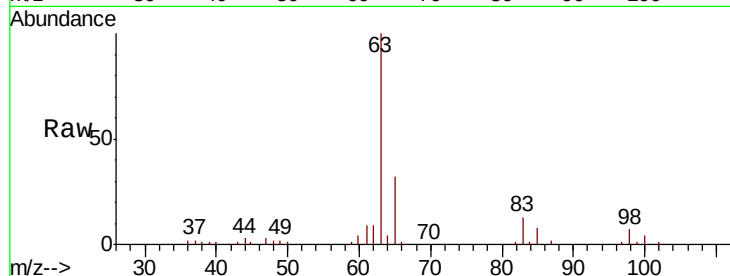
Tot Ion: 63 Resp: 51558

Ion Ratio Lower Upper

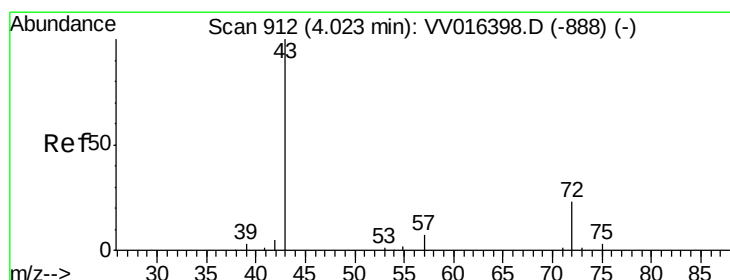
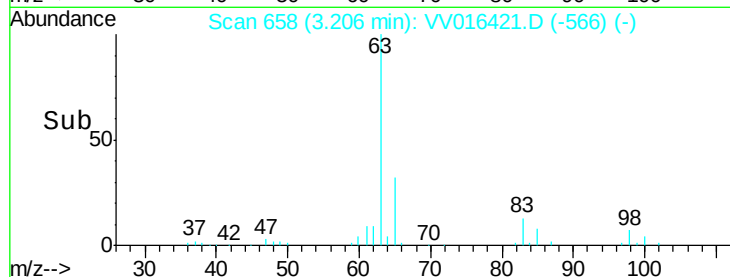
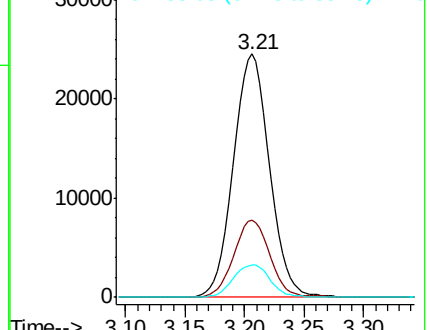
63 100

65 31.8 23.3 43.3

83 13.2 9.9 18.3



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



#21

2-Butanone

Concen: 50.622 ug/L

RT: 4.05 min Scan# 920

Delta R.T. 0.03 min

Lab File: VV016421.D

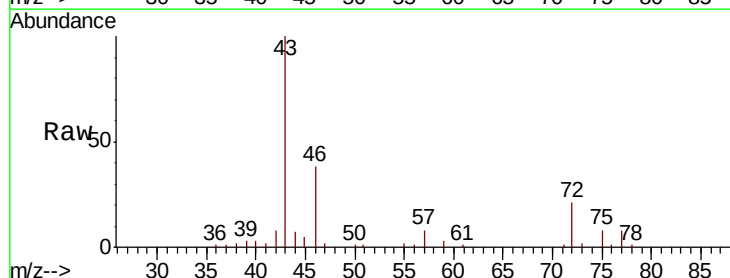
Acq: 01 Jun 2020 19:21

Tgt Ion: 43 Resp: 83967

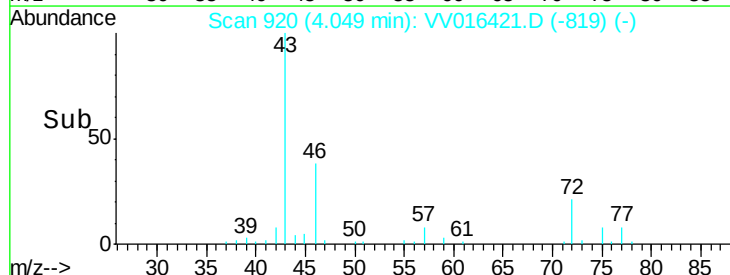
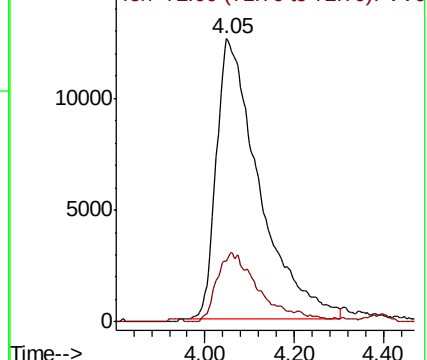
Ion Ratio Lower Upper

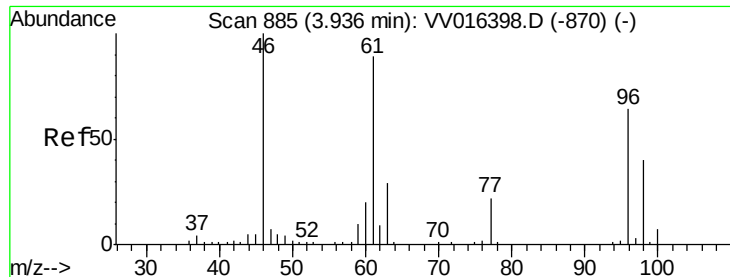
43 100

72 10.3 11.2 33.6#



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



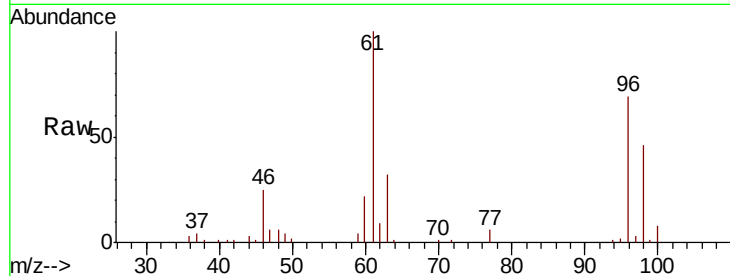


#22

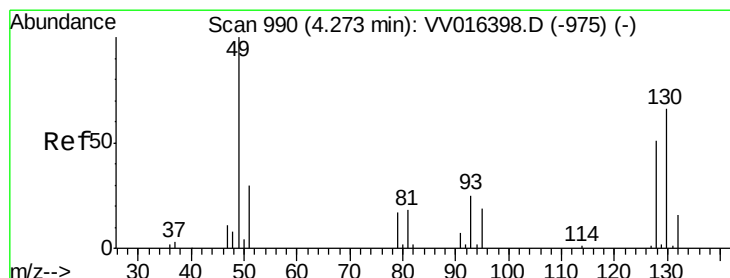
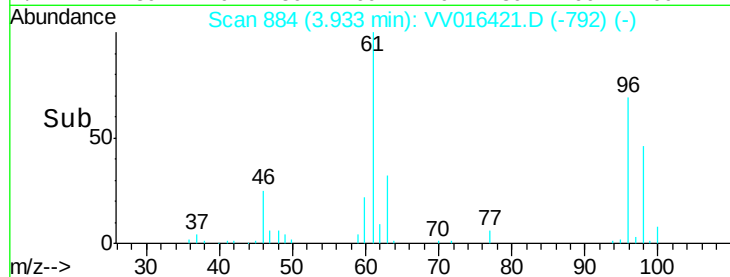
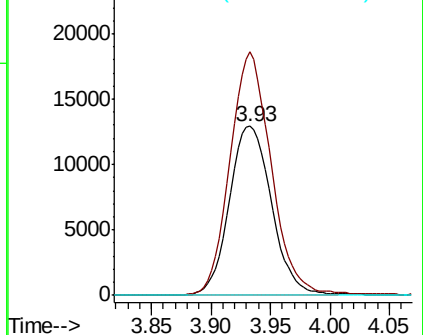
cis-1,2-Dichloroethene
Concen: 4.773 ug/L
RT: 3.93 min Scan# 884
Delta R.T. -0.00 min
Lab File: VV016421.D
Acq: 01 Jun 2020 19:21

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 31860
Ion Ratio Lower Upper
96 100
61 143.9 94.8 176.0
68 0.0 0.0 0.0



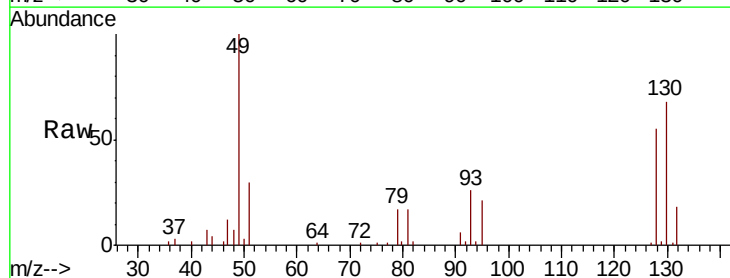
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



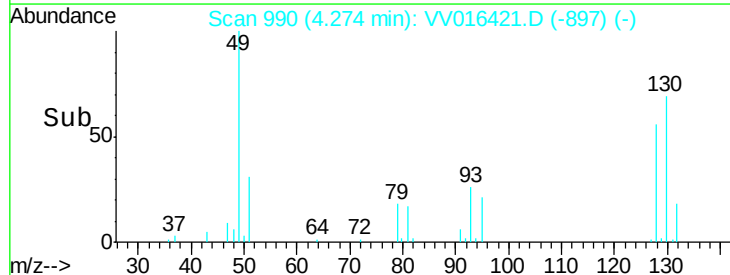
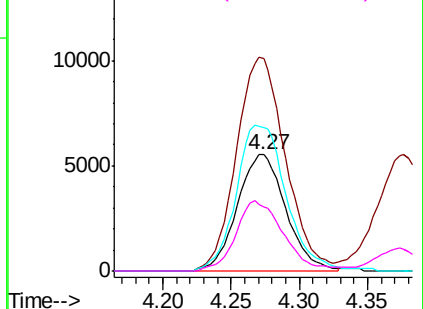
#23

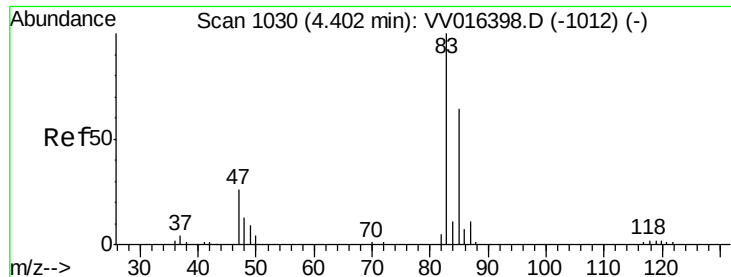
Bromochloromethane
Concen: 5.253 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VV016421.D
Acq: 01 Jun 2020 19:21

Tgt Ion: 128 Resp: 13683
Ion Ratio Lower Upper
128 100
49 182.2 141.5 262.9
130 123.4 90.4 167.8
51 55.2 53.5 80.3



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

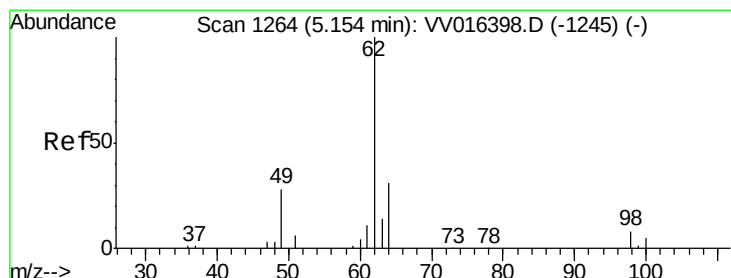
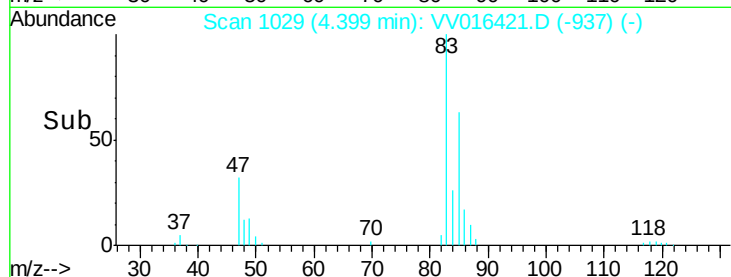
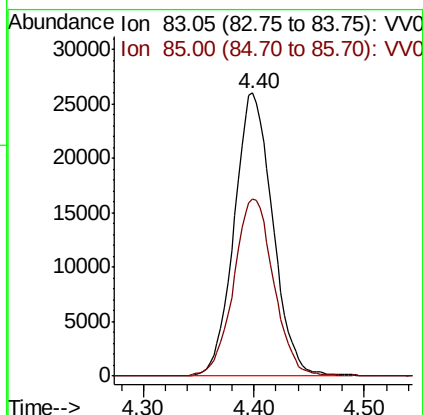
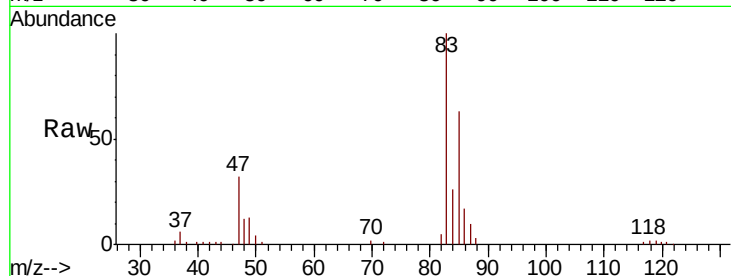




#25
Chloroform
Concen: 5.251 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV016421.D
Acq: 01 Jun 2020 19:21

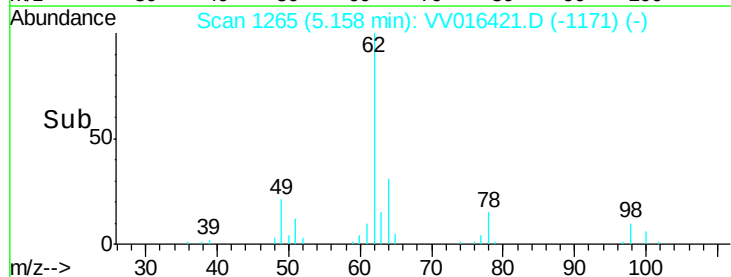
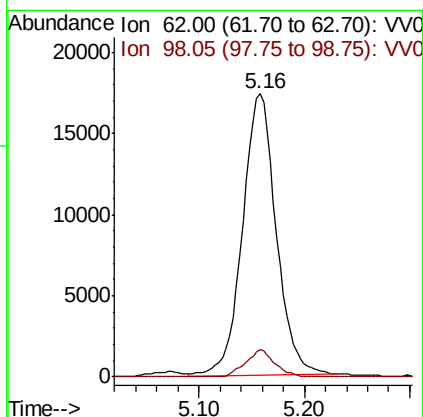
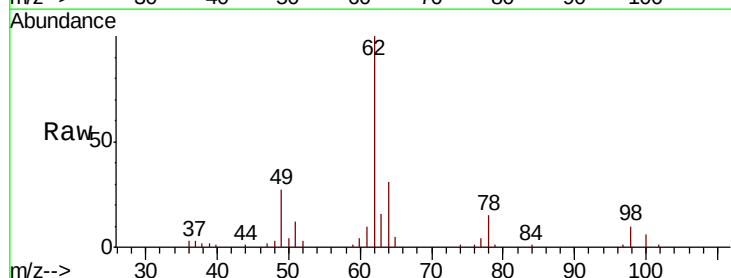
Instrument :
MSVOA_V
ClientSampleId :

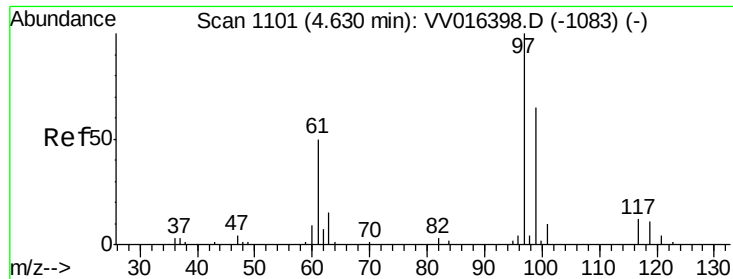
Tot Ion: 83 Resp: 62779
Ion Ratio Lower Upper
83 100
85 62.6 45.8 85.2



#27
1,2-Dichloroethane
Concen: 4.883 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV016421.D
Acq: 01 Jun 2020 19:21

Tgt Ion: 62 Resp: 38502
Ion Ratio Lower Upper
62 100
98 9.7 7.0 10.4

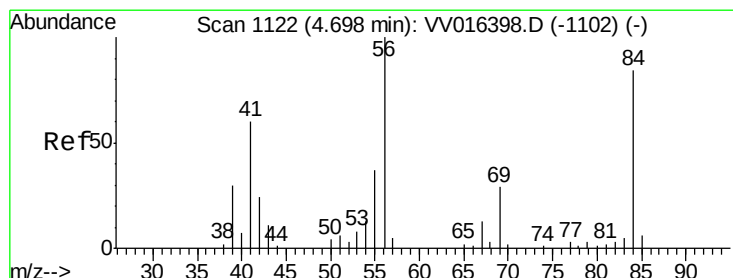
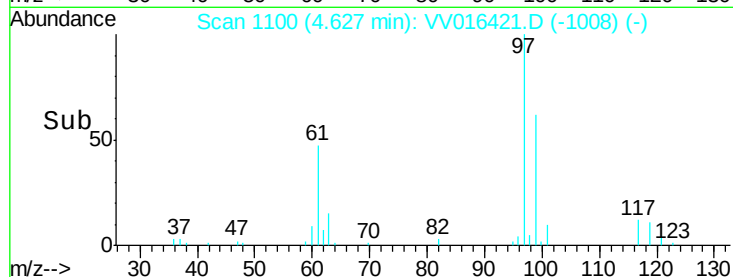
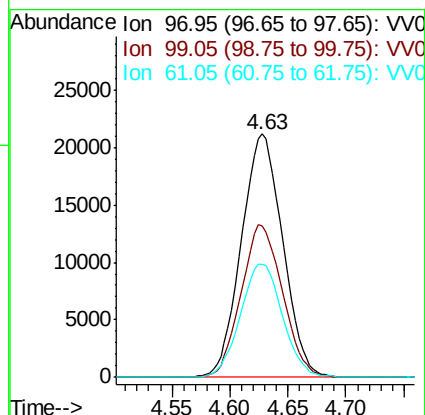
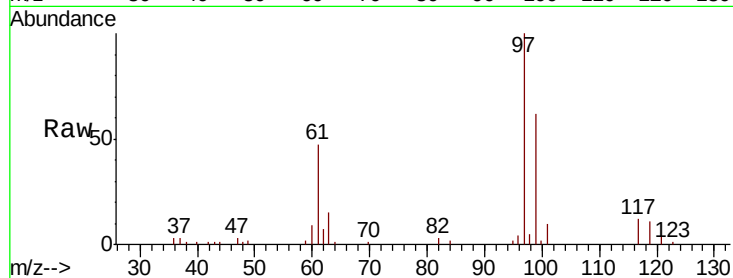




#29
 1,1,1-Trichloroethane
 Concen: 5.388 ug/L
 RT: 4.63 min Scan# 1100
 Delta R.T. -0.00 min
 Lab File: VV016421.D
 Acq: 01 Jun 2020 19:21

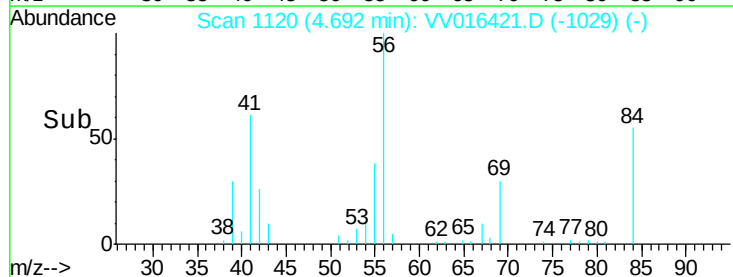
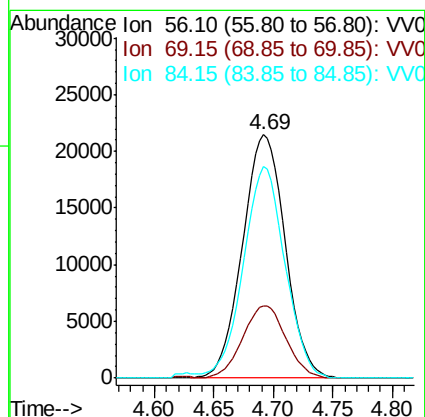
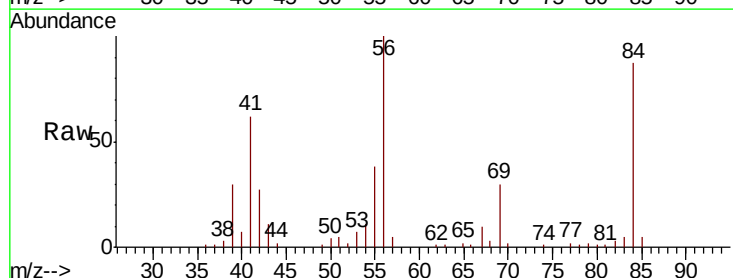
Instrument :
 MSVOA_V
 ClientSampleId :

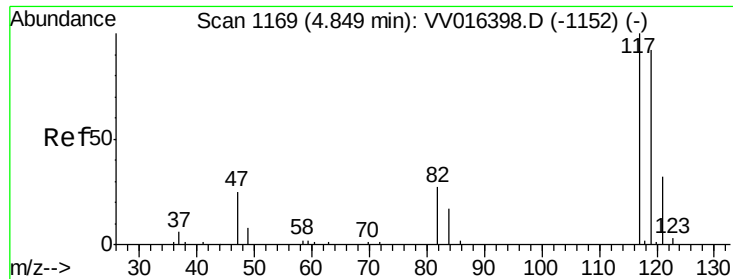
Tot Ion: 97 Resp: 52561
 Ion Ratio Lower Upper
 97 100
 99 62.7 52.0 78.0
 61 47.3 39.8 59.6



#30
 Cyclohexane
 Concen: 5.079 ug/L
 RT: 4.69 min Scan# 1120
 Delta R.T. -0.01 min
 Lab File: VV016421.D
 Acq: 01 Jun 2020 19:21

Tgt Ion: 56 Resp: 53338
 Ion Ratio Lower Upper
 56 100
 69 30.0 23.5 35.3
 84 84.8 65.8 98.8





#31

Carbon tetrachloride

Concen: 4.989 ug/L

RT: 4.85 min Scan# 1168

Delta R.T. -0.00 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

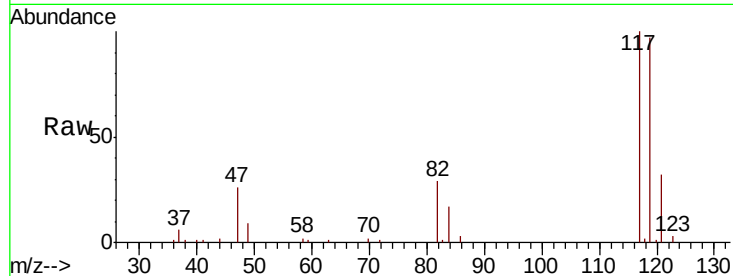
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 41892

Ion Ratio Lower Upper

117 100

119 96.6 75.3 112.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

20000

15000

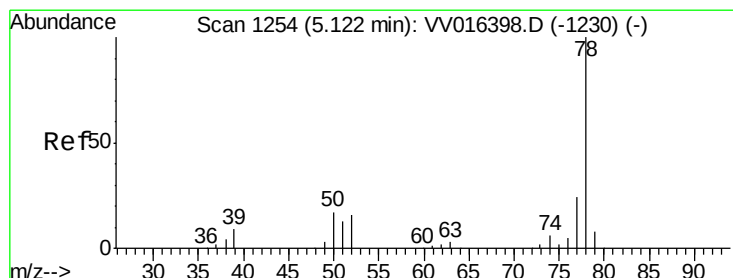
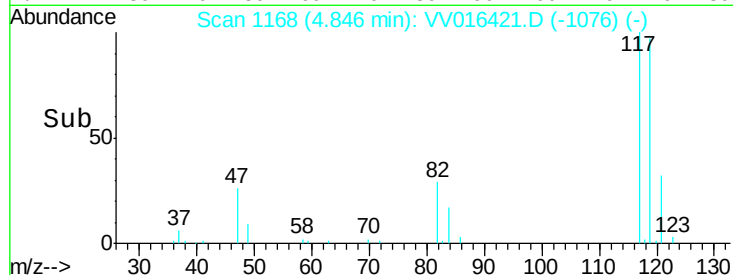
10000

5000

0

4.75 4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 5.237 ug/L

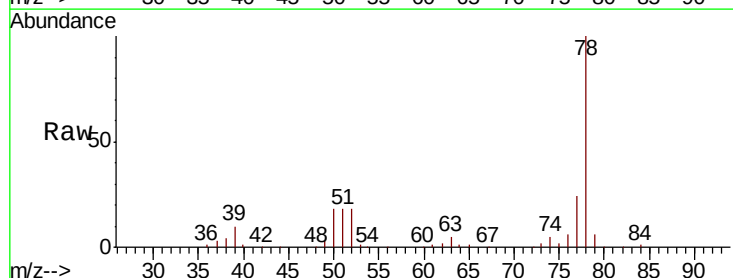
RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

Tgt Ion: 78 Resp: 128319



Abundance Ion 78.10 (77.80 to 78.80): VV0

60000

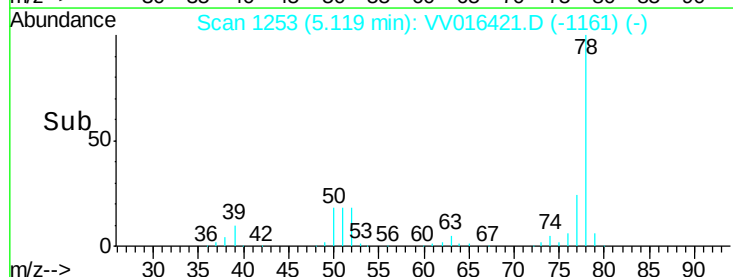
40000

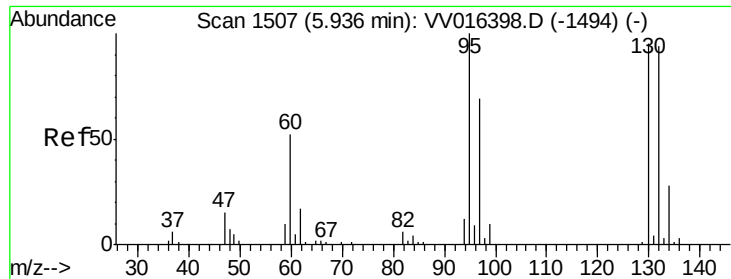
20000

0

5.00 5.10 5.20

Time-->

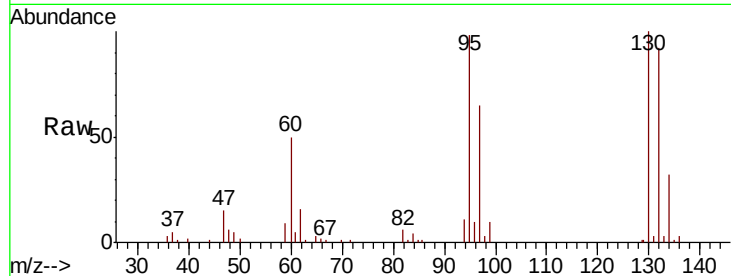




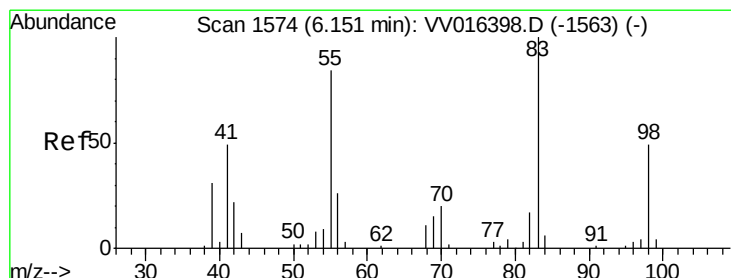
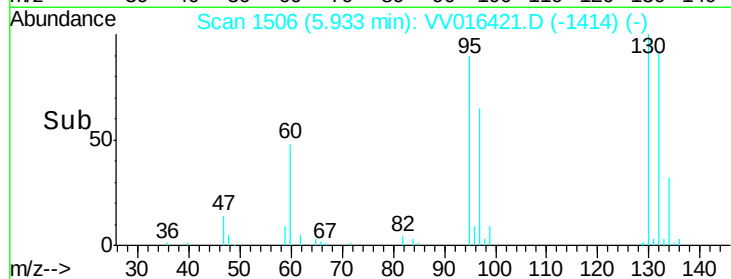
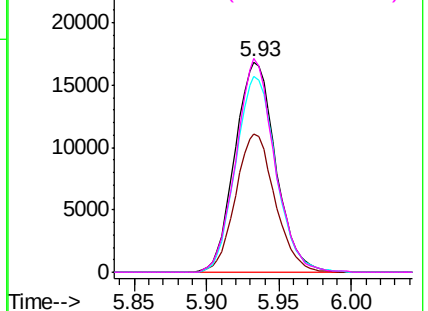
#34
 Trichloroethene
 Concen: 5.110 ug/L
 RT: 5.93 min Scan# 1506
 Delta R.T. -0.00 min
 Lab File: VV016421.D
 Acq: 01 Jun 2020 19:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 32824
 Ion Ratio Lower Upper
 95 100
 97 65.8 42.6 79.0
 132 93.3 59.6 110.8
 130 101.7 64.8 120.4

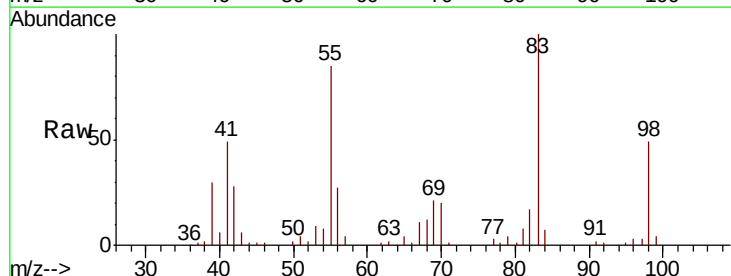


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

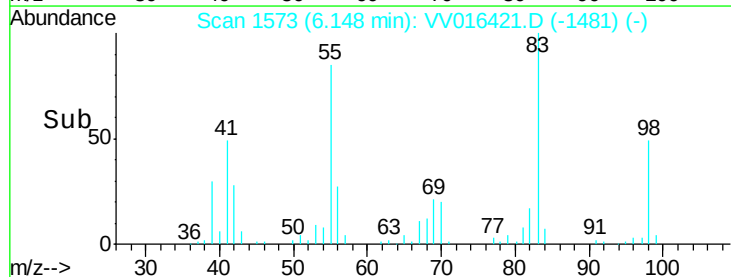
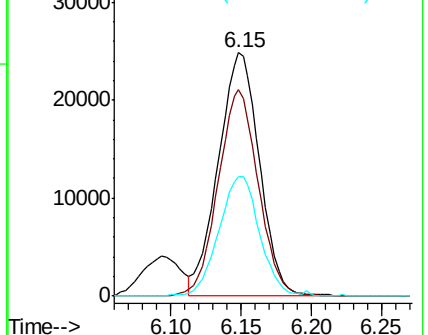


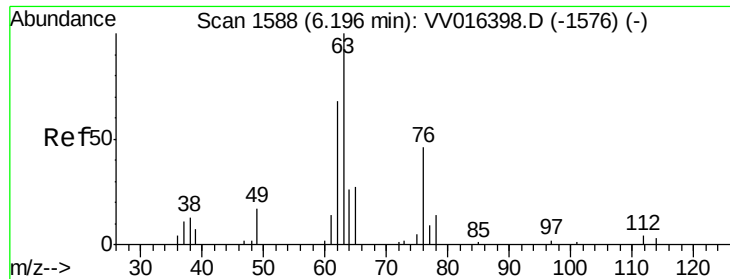
#35
 Methylcyclohexane
 Concen: 4.885 ug/L
 RT: 6.15 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VV016421.D
 Acq: 01 Jun 2020 19:21

Tgt Ion: 83 Resp: 50538
 Ion Ratio Lower Upper
 83 100
 55 82.5 67.0 100.4
 98 48.6 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

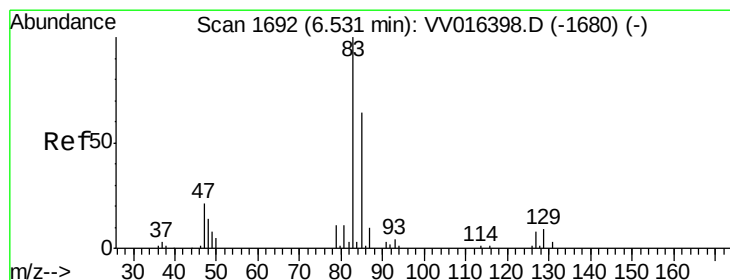
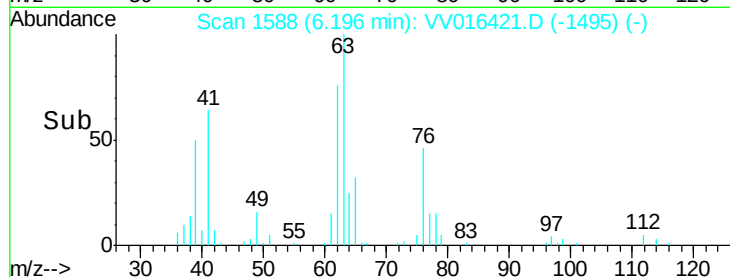
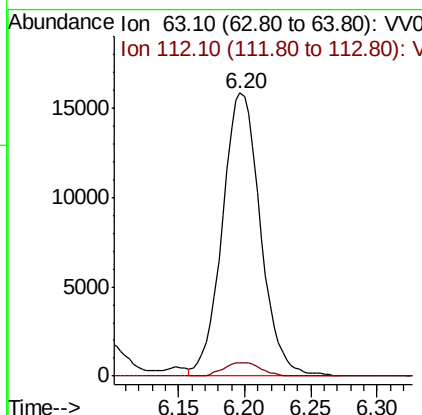
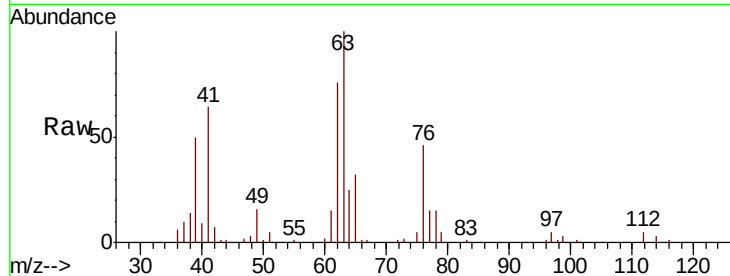




#37
 1,2-Dichloropropane
 Concen: 5.116 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV016421.D
 Acq: 01 Jun 2020 19:21

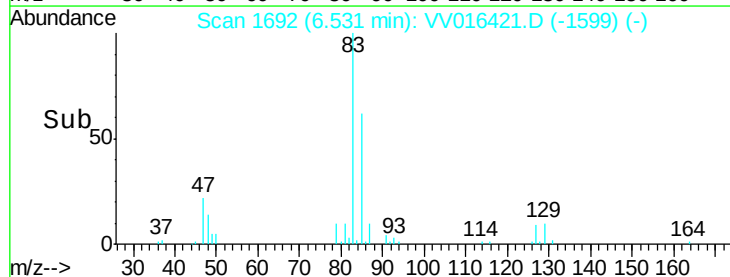
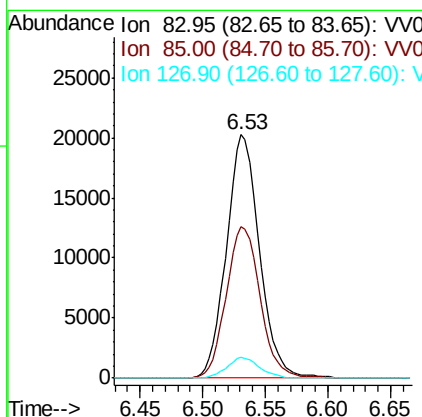
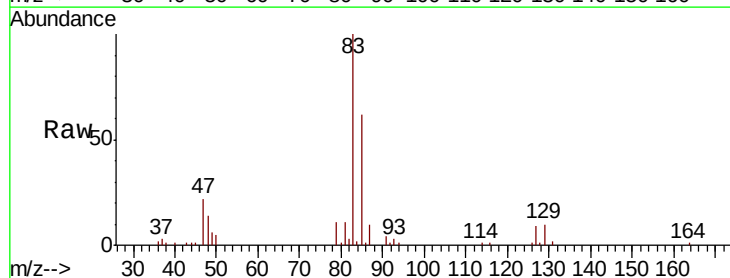
Instrument :
 MSVOA_V
 ClientSampleId :

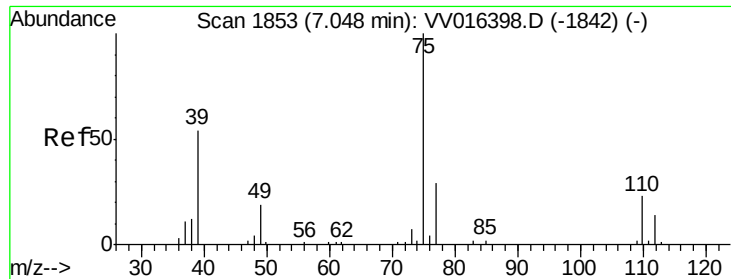
Tot Ion: 63 Resp: 31690
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.4 5.0



#38
 Bromodichloromethane
 Concen: 4.979 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV016421.D
 Acq: 01 Jun 2020 19:21

Tgt Ion: 83 Resp: 37088
 Ion Ratio Lower Upper
 83 100
 85 62.0 44.2 82.2
 127 8.5 6.3 9.5

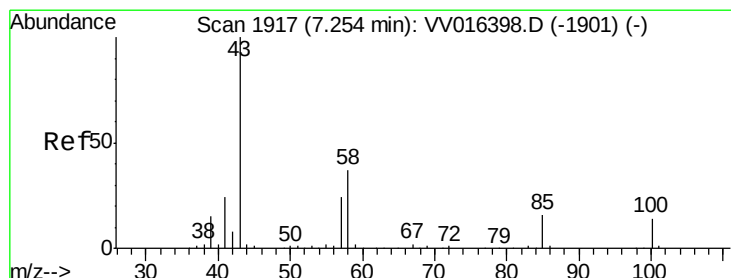
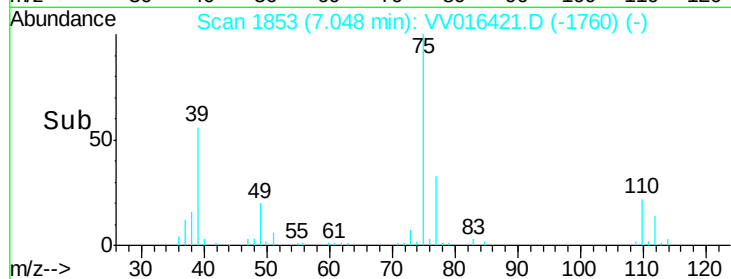
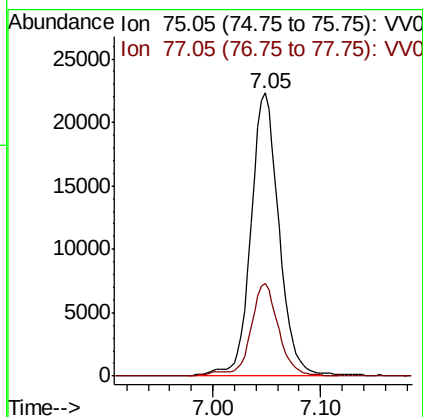
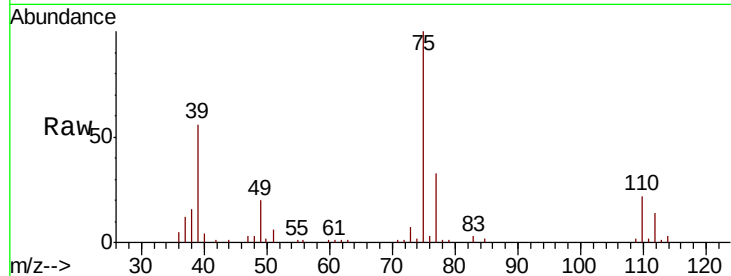




#39
 cis-1,3-Dichloropropene
 Concen: 4.934 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016421.D
 Acq: 01 Jun 2020 19:21

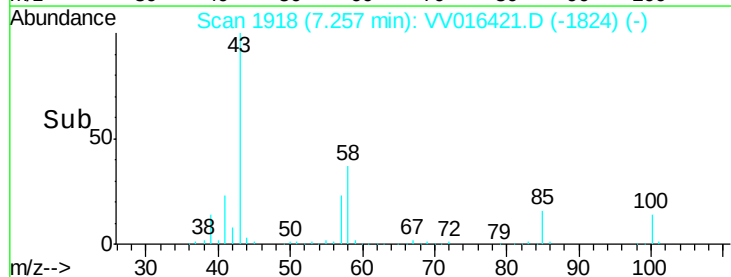
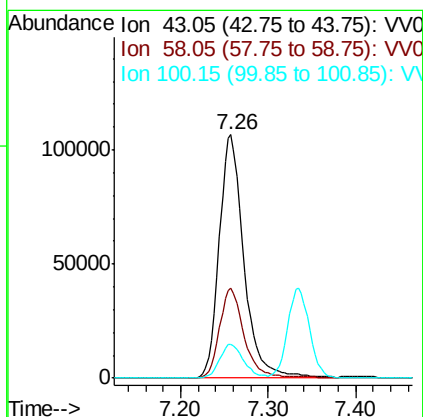
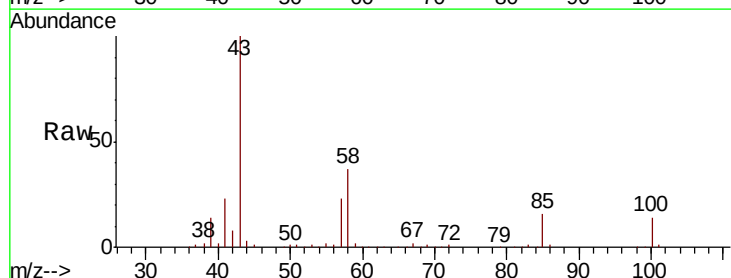
Instrument :
 MSVOA_V
 ClientSampleId :

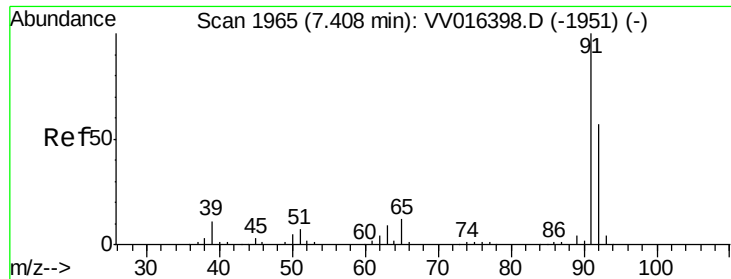
Tot Ion: 75 Resp: 40371
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 55.904 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.00 min
 Lab File: VV016421.D
 Acq: 01 Jun 2020 19:21

Tgt Ion: 43 Resp: 209134
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.5 44.3
 100 13.4 11.0 16.6





#42

Toluene

Concen: 5.168 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

Instrument :

MSVOA_V

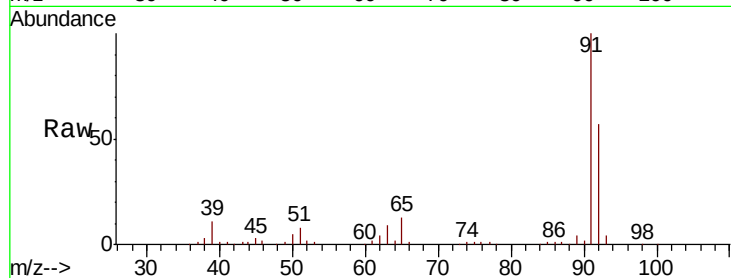
ClientSampleId :

Tot Ion: 91 Resp: 134579

Ion Ratio Lower Upper

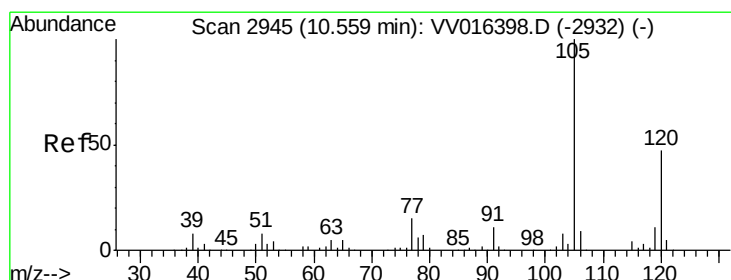
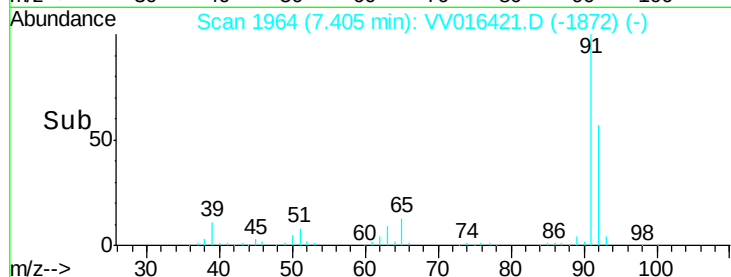
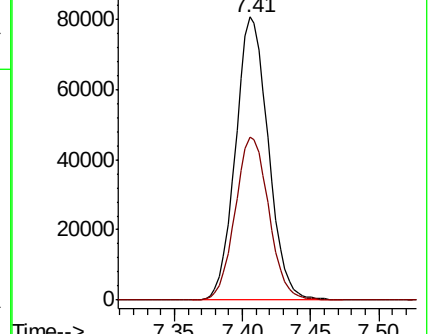
91 100

92 57.4 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#43

1,3,5-Trimethylbenzene

Concen: 5.052 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016421.D

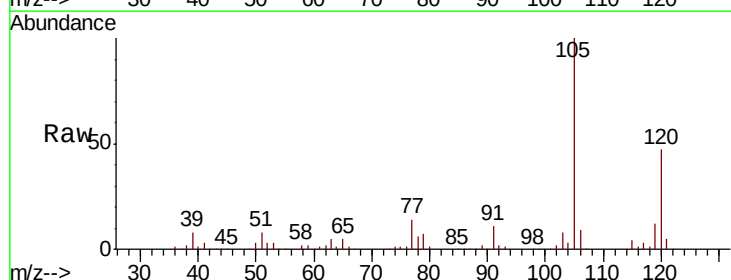
Acq: 01 Jun 2020 19:21

Tgt Ion:105 Resp: 116700

Ion Ratio Lower Upper

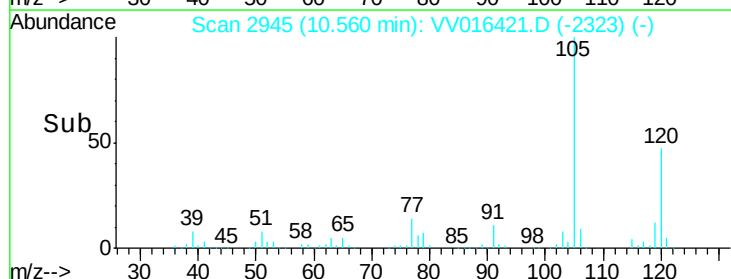
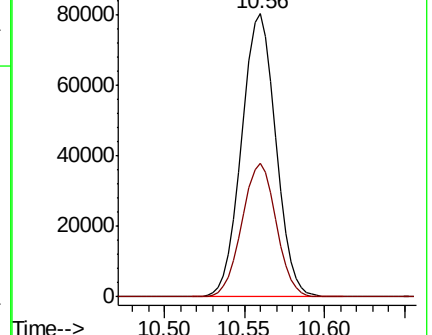
105 100

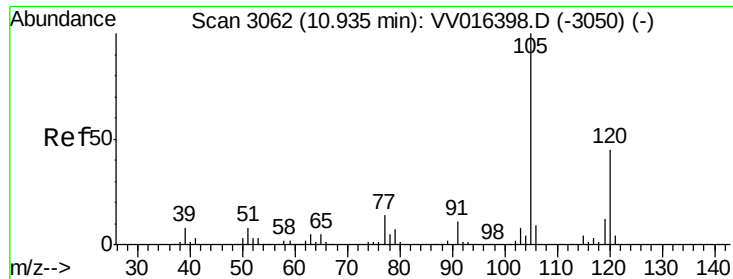
120 47.4 37.5 56.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

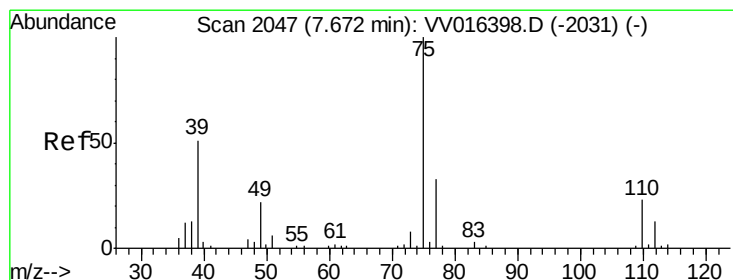
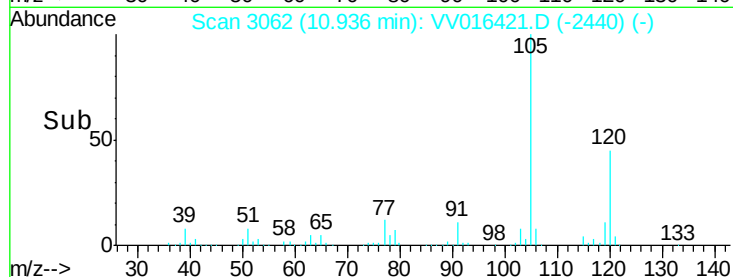
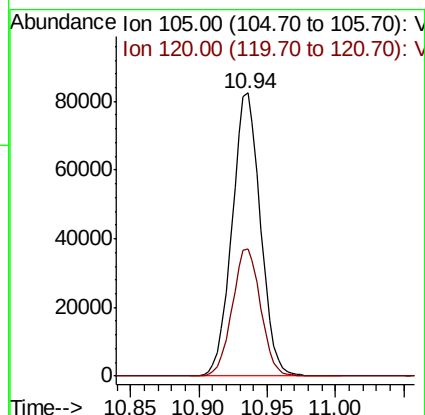
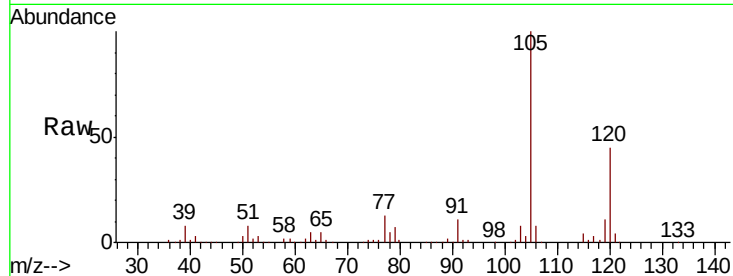




#44
1,2,4-Trimethylbenzene
Concen: 5.059 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VV016421.D
Acq: 01 Jun 2020 19:21

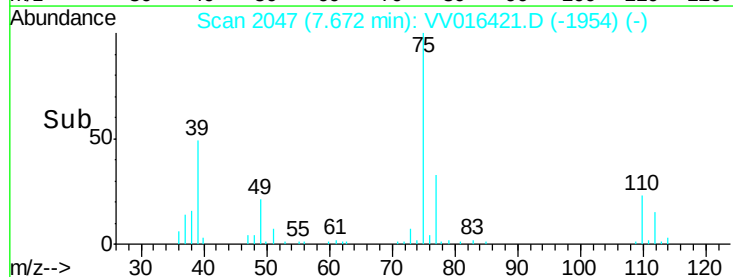
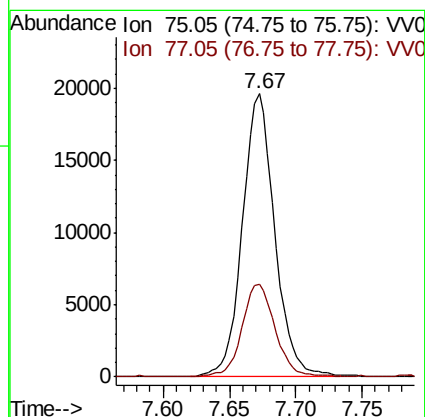
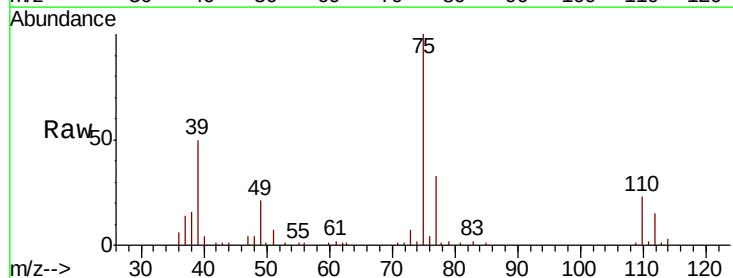
Instrument :
MSVOA_V
ClientSampleId :

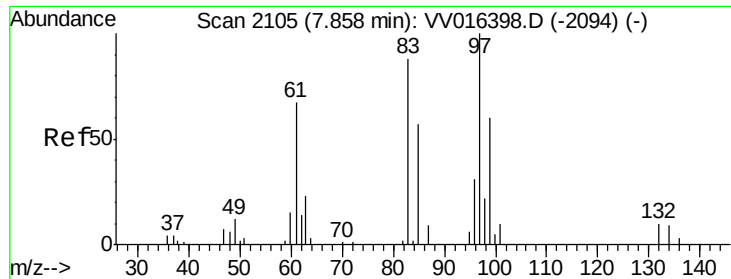
Tot Ion:105 Resp: 119051
Ion Ratio Lower Upper
105 100
120 45.0 35.5 53.3



#46
trans-1,3-Dichloropropene
Concen: 4.935 ug/L
RT: 7.67 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VV016421.D
Acq: 01 Jun 2020 19:21

Tgt Ion: 75 Resp: 33359
Ion Ratio Lower Upper
75 100
77 32.7 21.1 39.3

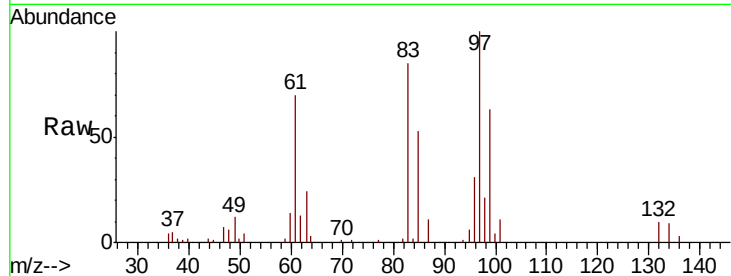




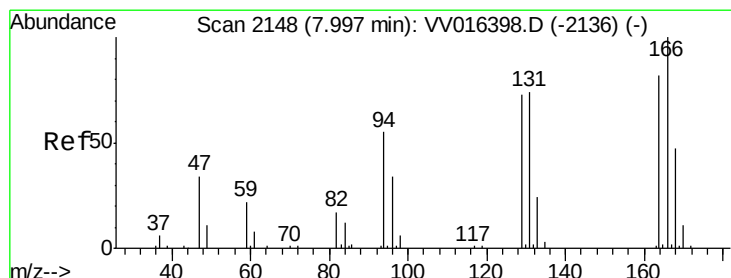
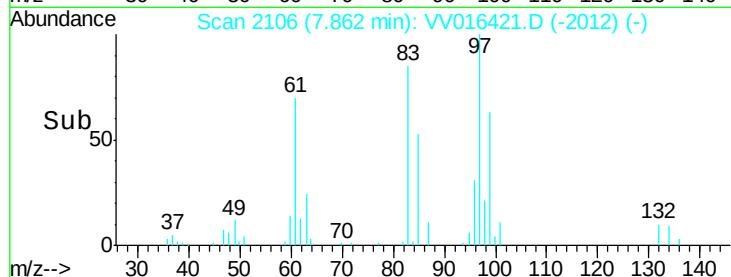
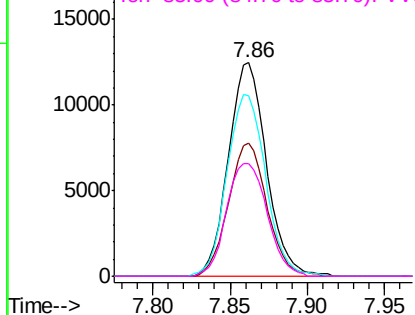
#47
 1,1,2-Trichloroethane
 Concen: 5.379 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016421.D
 Acq: 01 Jun 2020 19:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	21311
Ion	Ratio	Lower	Upper
97	100		
99	62.6	47.0	87.2
83	84.5	61.7	114.5
85	52.7	39.1	72.5

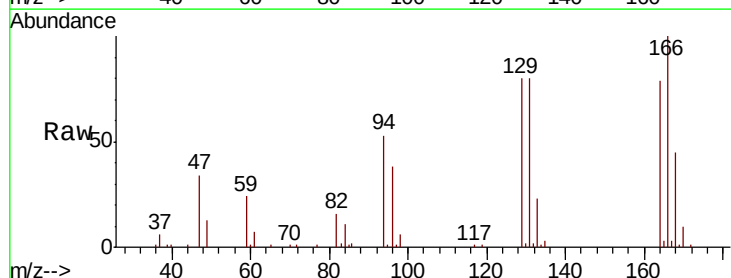


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

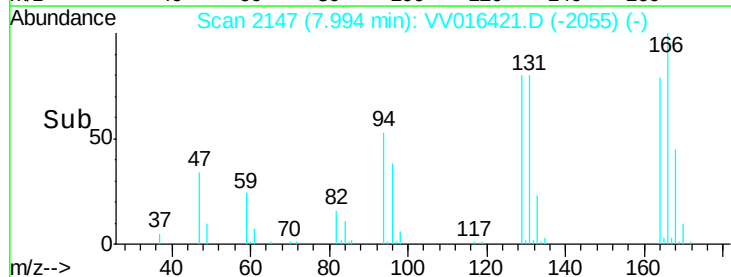
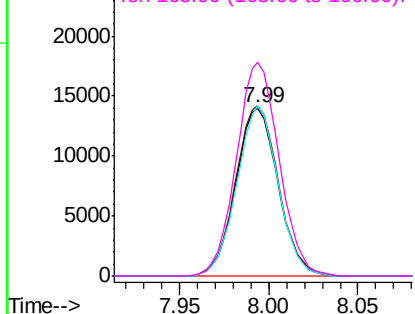


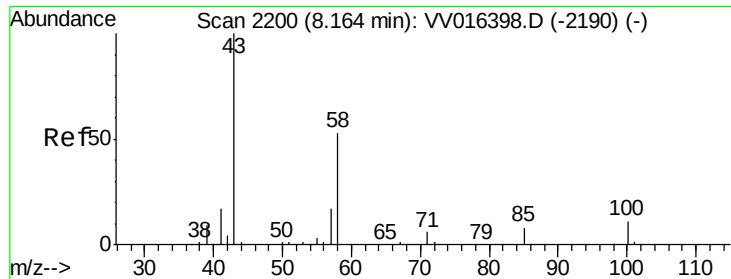
#49
 Tetrachloroethene
 Concen: 4.882 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV016421.D
 Acq: 01 Jun 2020 19:21

Tgt Ion:	164	Resp:	23001
Ion	Ratio	Lower	Upper
164	100		
129	101.8	72.2	134.0
131	101.4	65.8	122.2
166	127.4	88.3	163.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

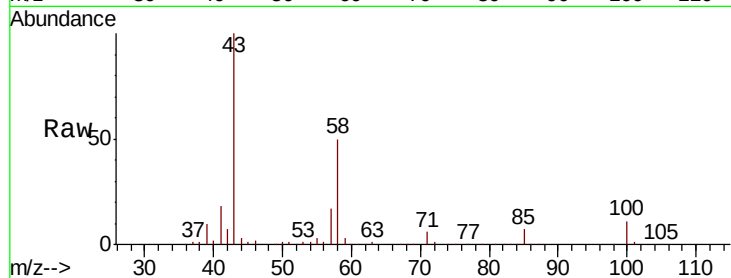




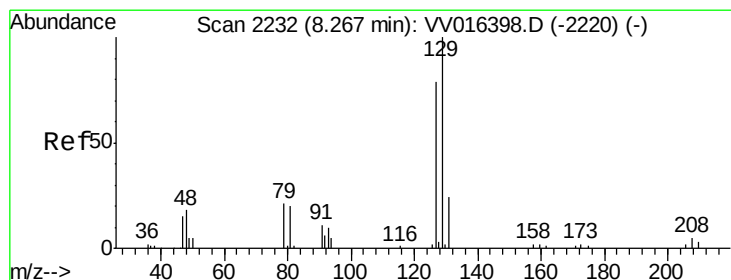
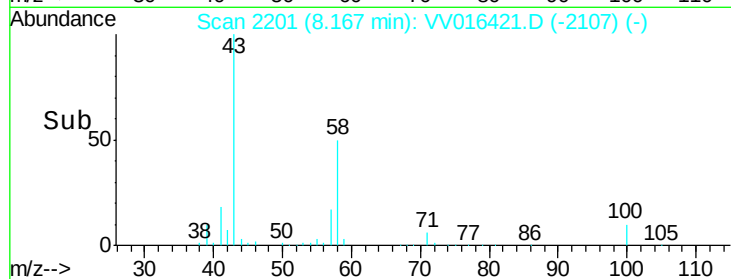
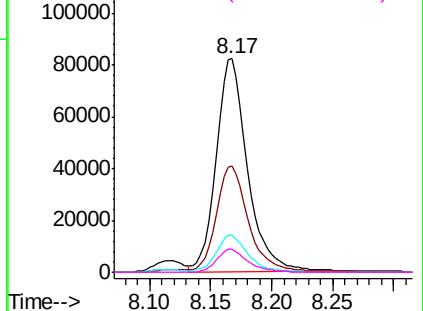
#50
2-Hexanone
Concen: 56.570 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV016421.D
Acq: 01 Jun 2020 19:21

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 147607
Ion Ratio Lower Upper
43 100
58 51.7 41.1 61.7
57 17.9 14.2 21.4
100 11.0 8.8 13.2

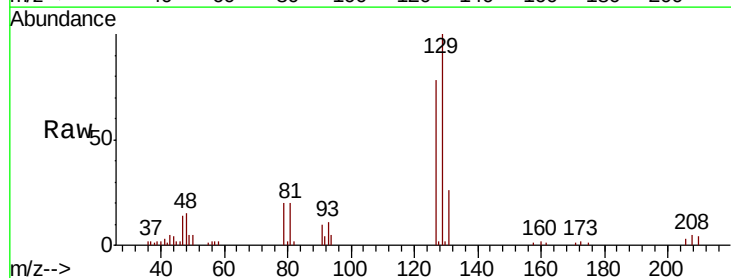


Abundance Ion 43.05 (42.75 to 43.75): VV016421.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV016421.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV016421.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV016421.D (-2107) (-)

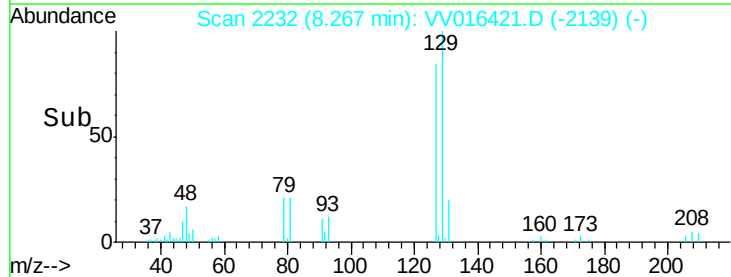
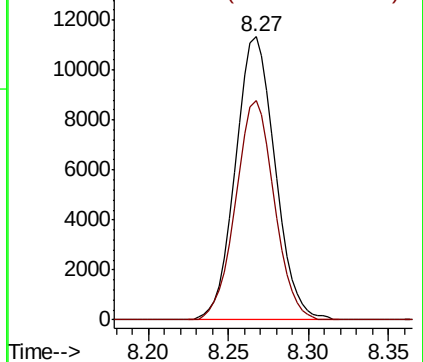


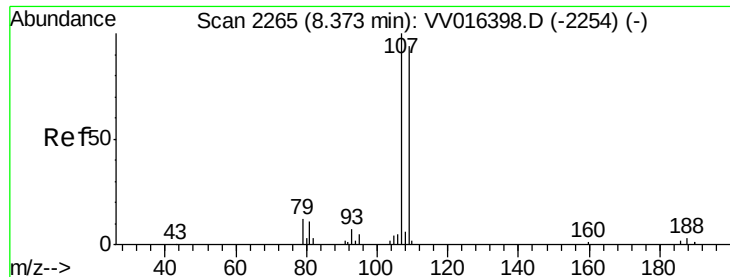
#51
Dibromochloromethane
Concen: 4.617 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016421.D
Acq: 01 Jun 2020 19:21

Tgt Ion: 129 Resp: 19124
Ion Ratio Lower Upper
129 100
127 77.5 57.0 105.8



Abundance Ion 128.95 (128.65 to 129.65): VV016421.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV016421.D (-2139) (-)





#52

1,2-Dibromoethane

Concen: 5.355 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

Instrument :
MSVOA_V
ClientSampleId :

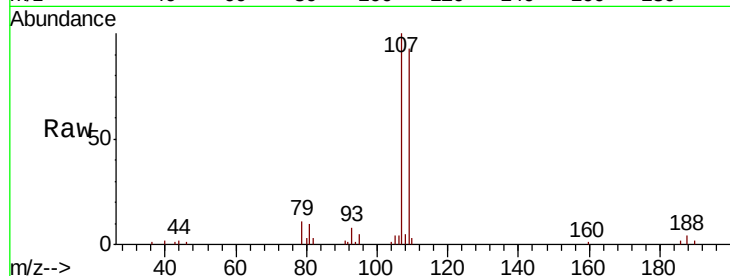
Tot Ion:107 Resp: 20053

Ion Ratio Lower Upper

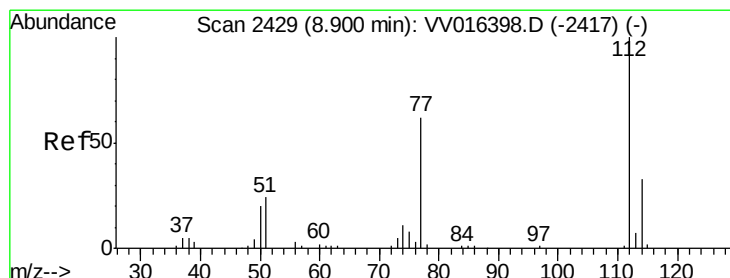
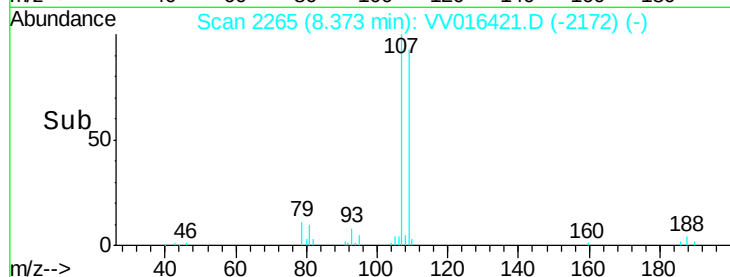
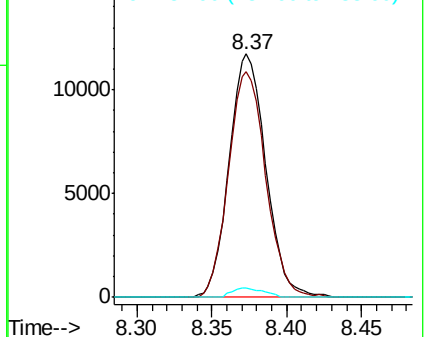
107 100

109 92.5 65.9 122.3

188 3.6 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: 5.090 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

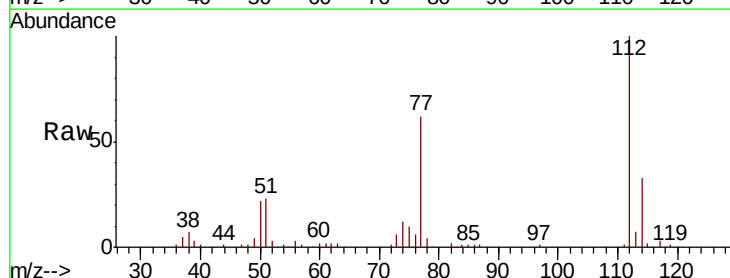
Tgt Ion:112 Resp: 83200

Ion Ratio Lower Upper

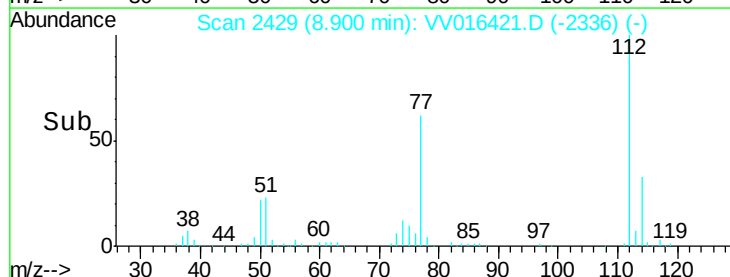
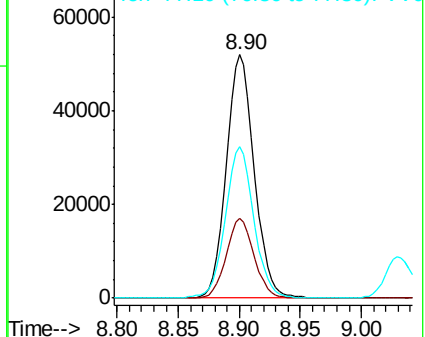
112 100

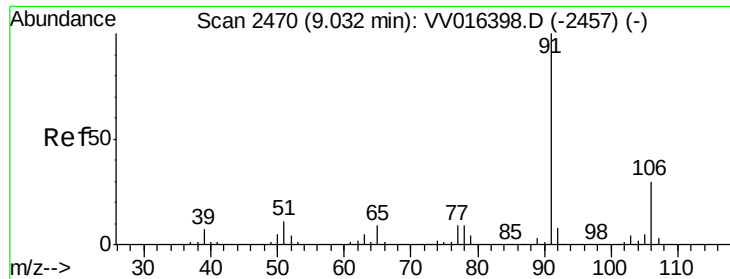
114 32.7 22.6 42.0

77 62.5 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): V





#54

Ethylbenzene

Concen: 5.185 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

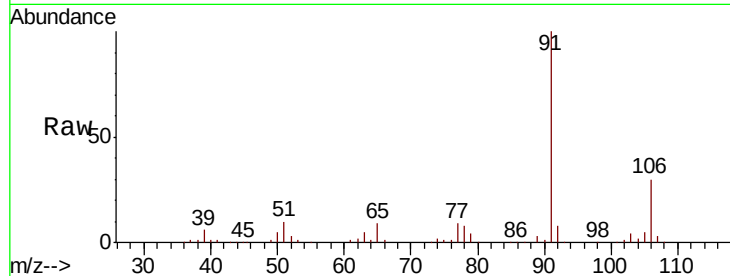
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 148936

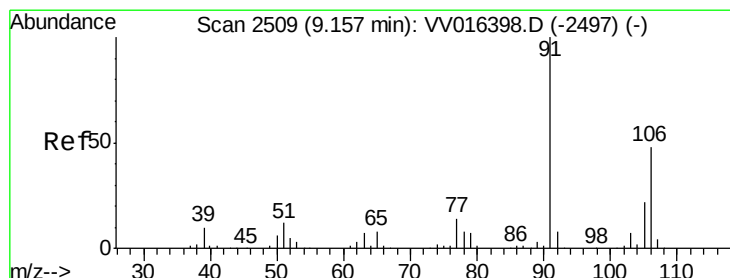
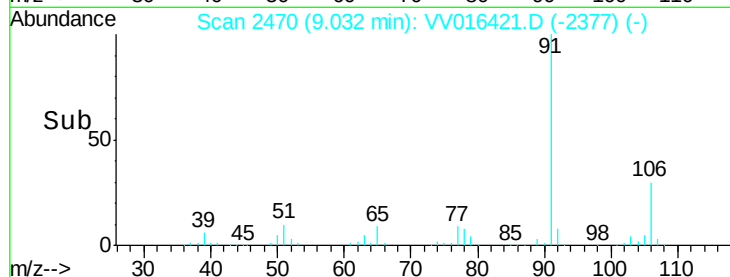
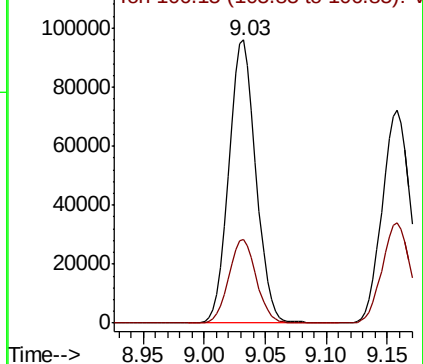
Ion Ratio Lower Upper

91 100

106 29.6 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VV016421.D (-2377) (-)



#55

m,p-xylene

Concen: 5.143 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV016421.D

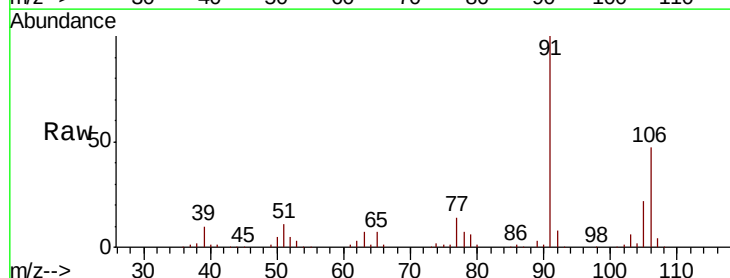
Acq: 01 Jun 2020 19:21

Tgt Ion: 106 Resp: 55290

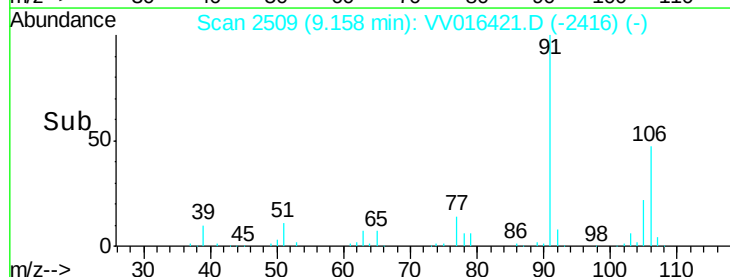
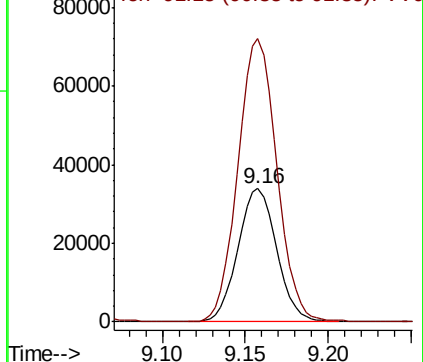
Ion Ratio Lower Upper

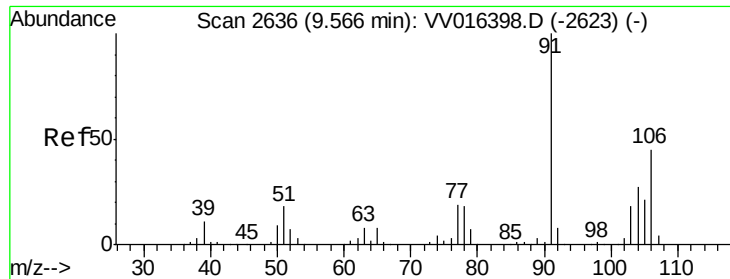
106 100

91 212.6 146.6 272.2



Abundance Ion 106.15 (105.85 to 106.85): VV016421.D (-2416) (-)





#56

o-xylene

Concen: 5.194 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

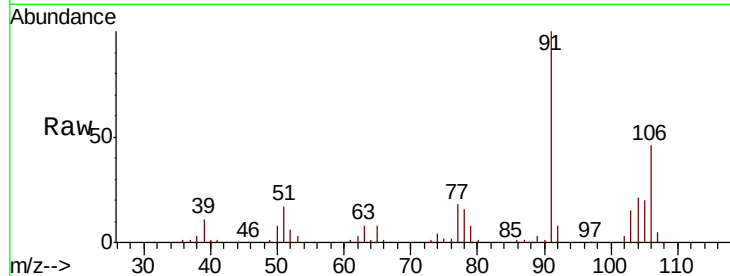
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 52584

Ion Ratio Lower Upper

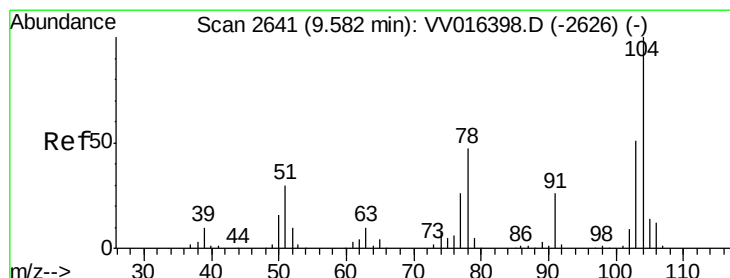
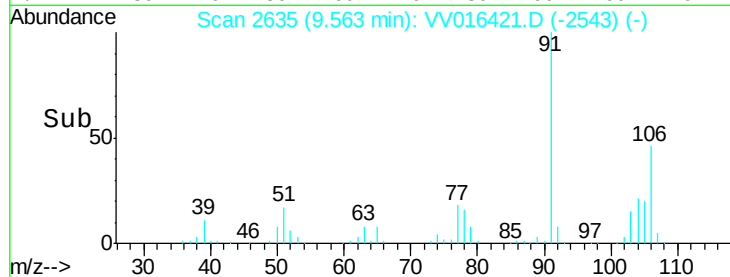
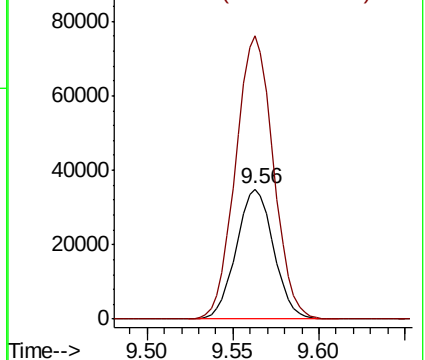
106 100

91 217.4 155.2 288.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#57

Styrene

Concen: 5.335 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV016421.D

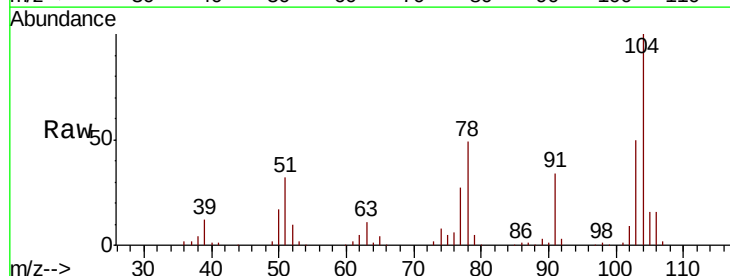
Acq: 01 Jun 2020 19:21

Tgt Ion:104 Resp: 92230

Ion Ratio Lower Upper

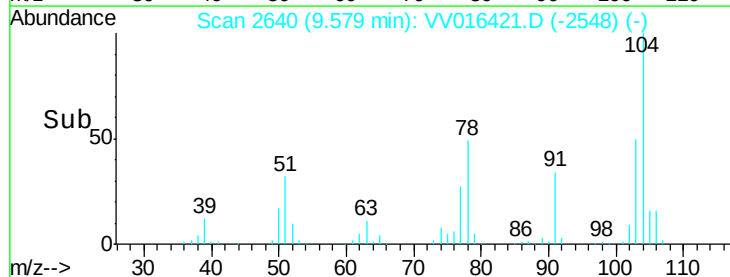
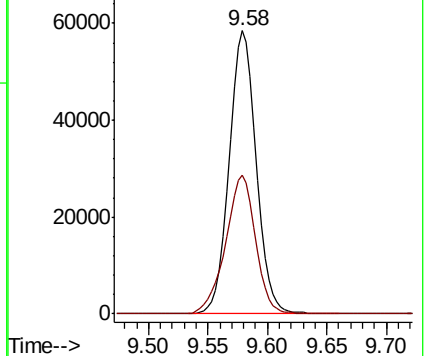
104 100

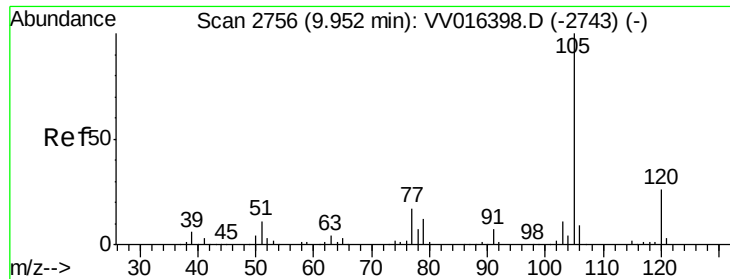
78 49.0 32.6 60.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 5.169 ug/L

RT: 9.95 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampleId :

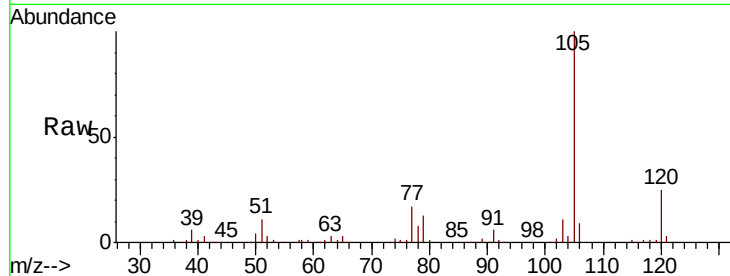
Tot Ion:105 Resp: 142613

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

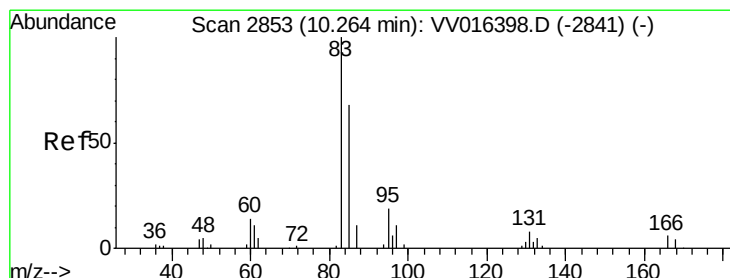
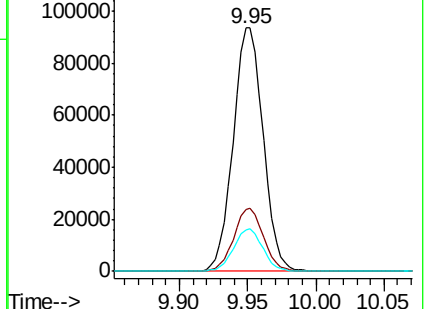
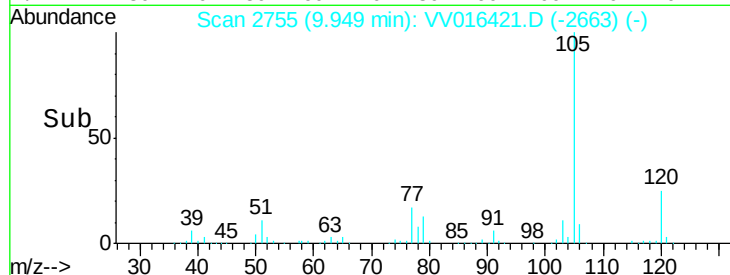
77 17.0 13.4 20.2



Abundance Ion 105.05 (104.75 to 105.75): VV016421.D (-2663) (-)

Ion 120.10 (119.80 to 120.80): VV016421.D (-2663) (-)

Ion 77.10 (76.80 to 77.80): VV016421.D (-2663) (-)



#60

1,1,2,2-Tetrachloroethane

Concen: 5.205 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

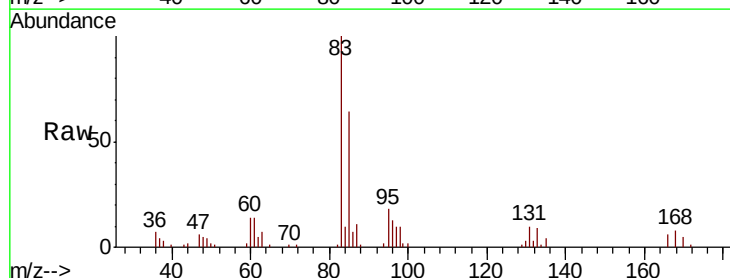
Tgt Ion: 83 Resp: 26015

Ion Ratio Lower Upper

83 100

85 64.0 43.7 81.1

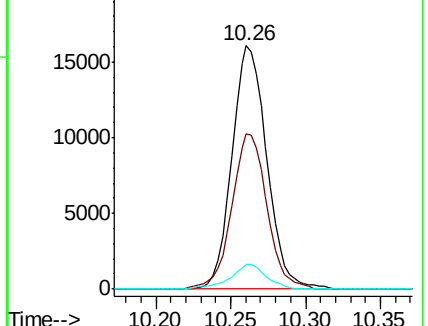
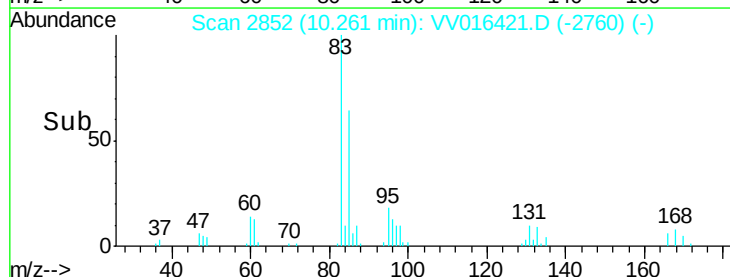
131 10.0 7.8 11.6

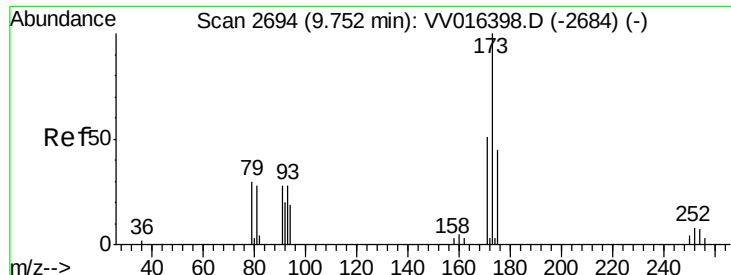


Abundance Ion 82.95 (82.65 to 83.65): VV016421.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV016421.D (-2760) (-)

Ion 130.95 (130.65 to 131.65): VV016421.D (-2760) (-)





#62

Bromoform

Concen: 3.759 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

Instrument :
MSVOA_V
ClientSampleId :

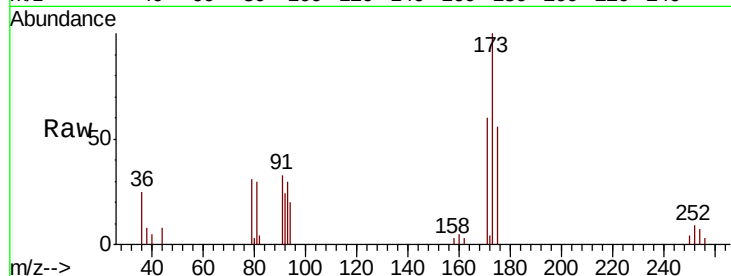
Tot Ion:173 Resp: 6233

Ion Ratio Lower Upper

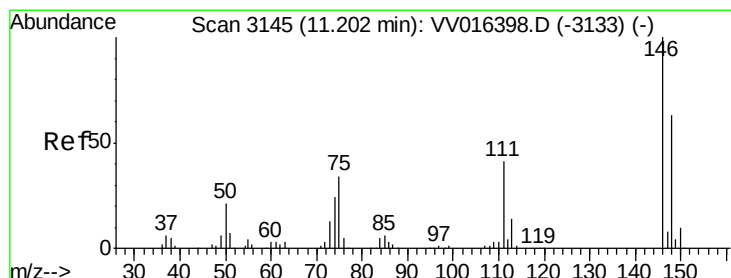
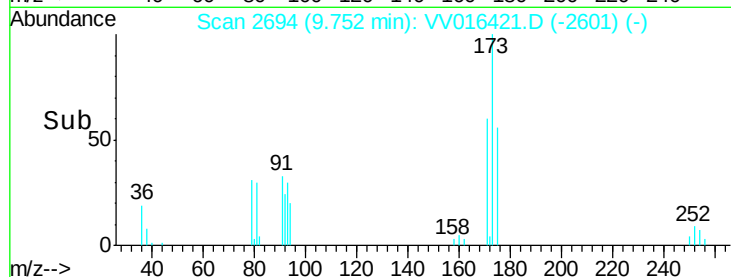
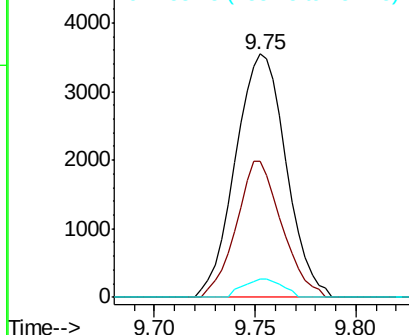
173 100

175 50.2 38.3 57.5

254 5.9 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: 5.176 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

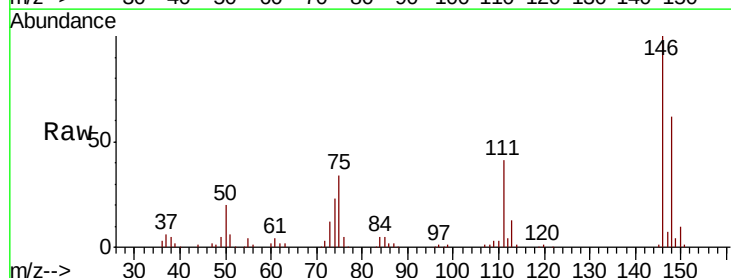
Tgt Ion:146 Resp: 62597

Ion Ratio Lower Upper

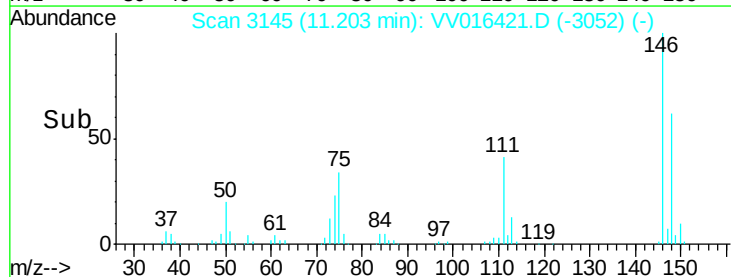
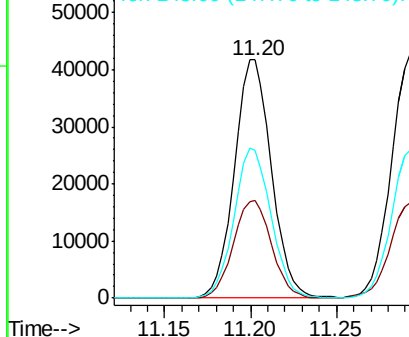
146 100

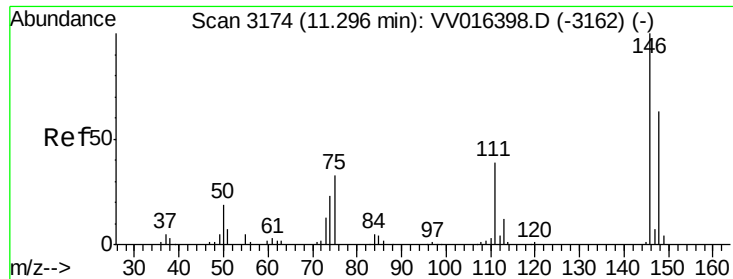
111 40.8 30.3 56.3

148 61.9 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: 5.171 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV016421.D

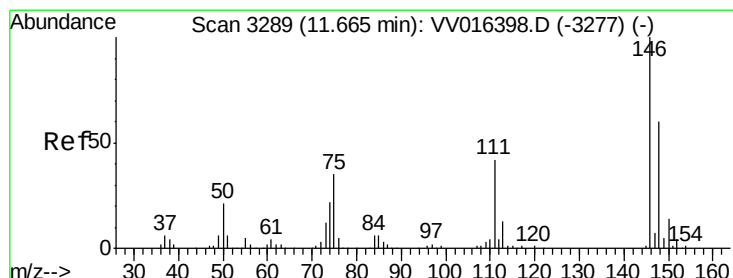
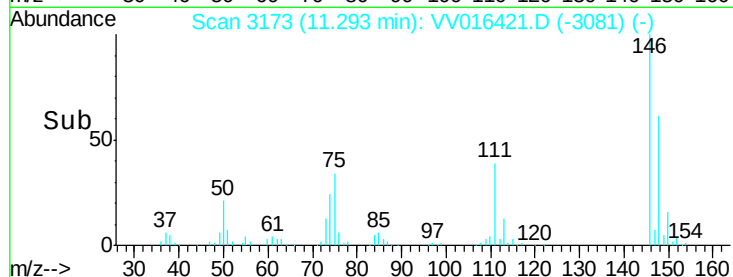
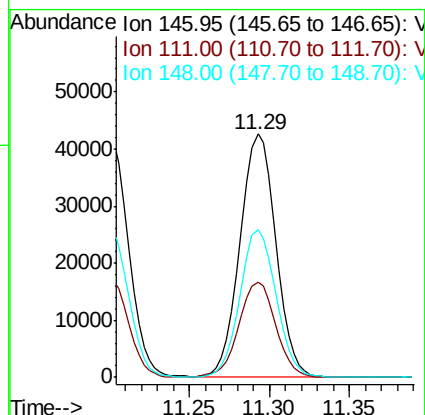
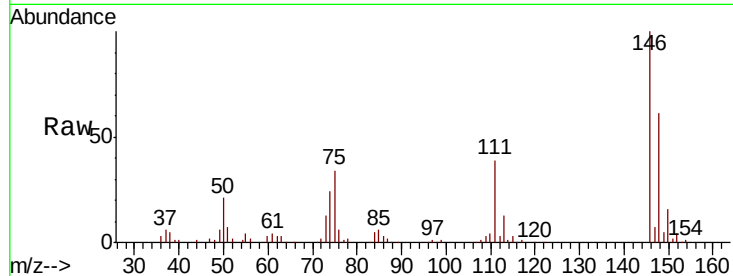
Acq: 01 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146	Resp:	64648
Ion Ratio	Lower	Upper
146	100	
111	39.2	29.6 55.0
148	60.9	44.7 83.1



#66

1,2-Dichlorobenzene

Concen: 5.028 ug/L

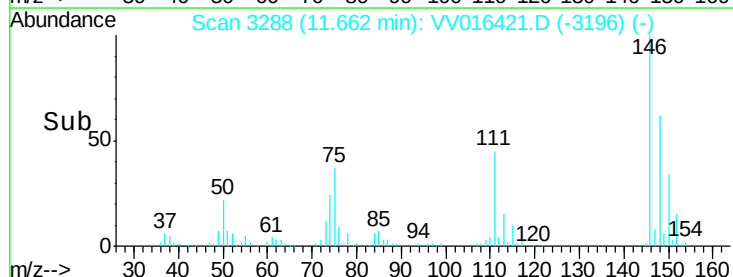
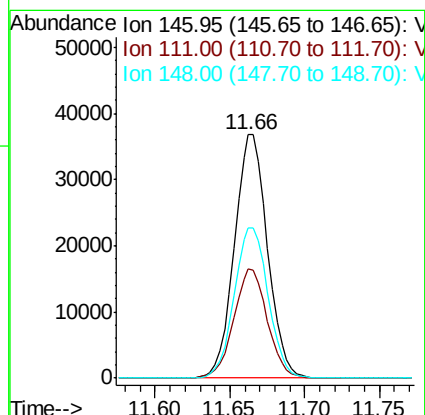
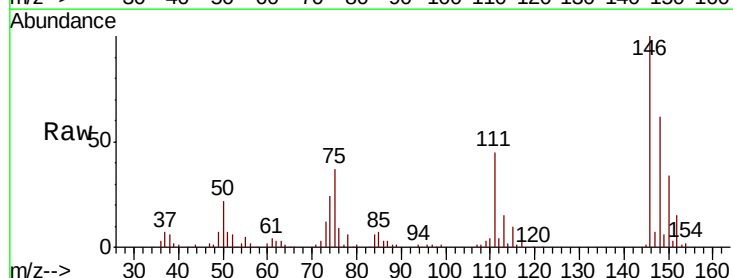
RT: 11.66 min Scan# 3288

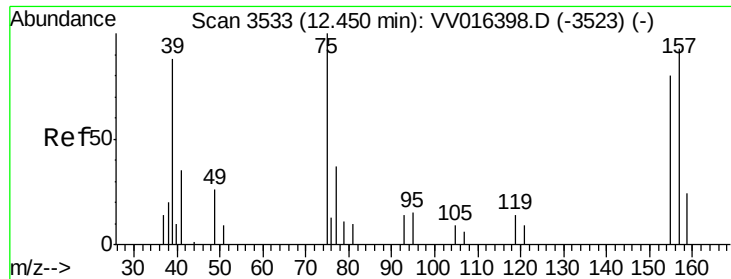
Delta R.T. -0.00 min

Lab File: VV016421.D

Acq: 01 Jun 2020 19:21

Tgt Ion:146	Resp:	56592
Ion Ratio	Lower	Upper
146	100	
111	45.0	35.4 53.2
148	61.9	51.0 76.4

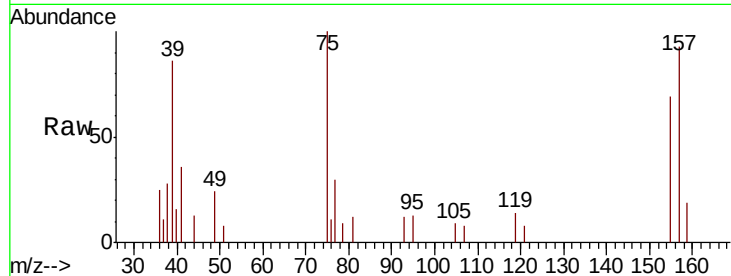




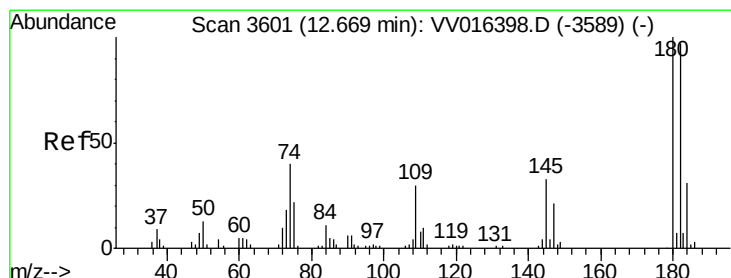
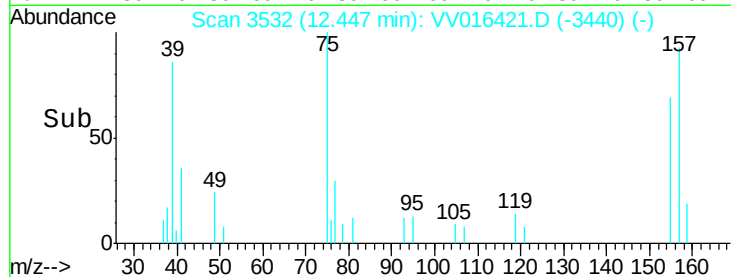
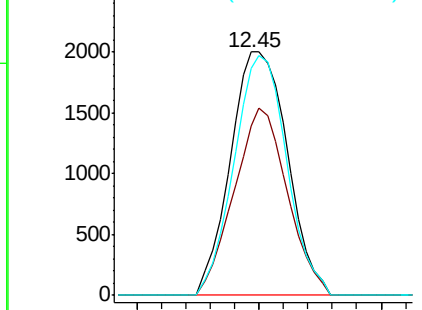
#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.423 ug/L
 RT: 12.45 min Scan# 3532
 Delta R.T. -0.00 min
 Lab File: VV016421.D
 Acq: 01 Jun 2020 19:21

Instrument :
 MSVOA_V
 ClientSampleID :

Tot Ion: 75 Resp: 3245
 Ion Ratio Lower Upper
 75 100
 155 69.4 58.1 87.1
 157 93.1 71.0 106.4

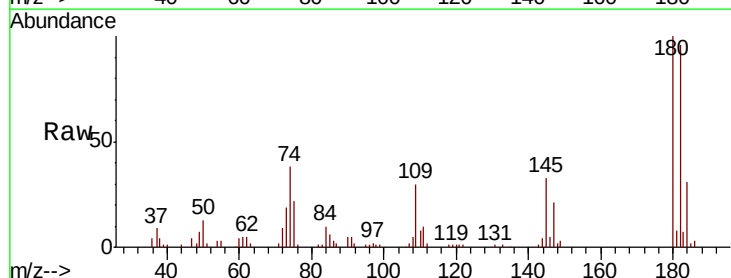


Abundance Ion 75.05 (74.75 to 75.75): VV016398.D (-3523) (-)
 Ion 154.95 (154.65 to 155.65): VV016398.D (-3523) (-)
 Ion 156.90 (156.60 to 157.60): VV016398.D (-3523) (-)

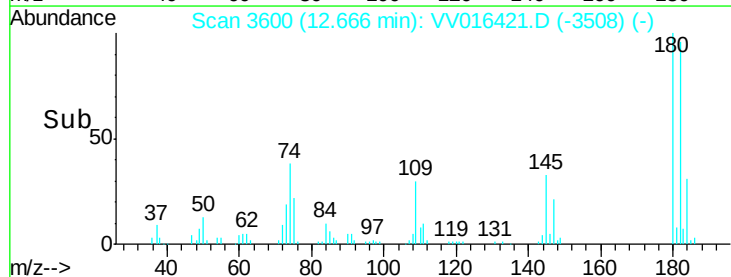
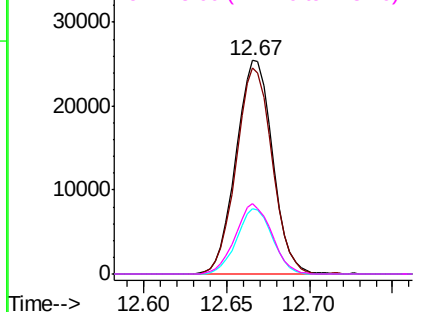


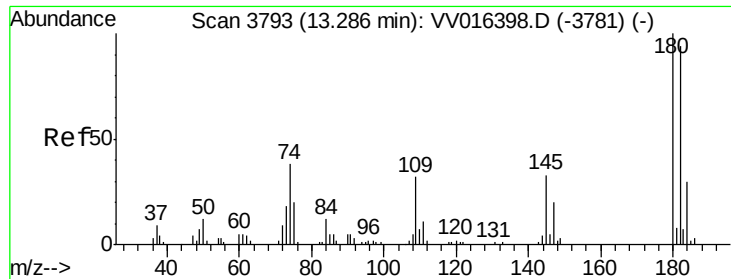
#68
 1,3,5-Trichlorobenzene
 Concen: 4.482 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV016421.D
 Acq: 01 Jun 2020 19:21

Tgt Ion: 180 Resp: 39026
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.5 113.3
 184 29.7 24.2 36.2
 145 32.7 26.2 39.2



Abundance Ion 180.00 (179.70 to 180.70): VV016398.D (-3589) (-)
 Ion 182.00 (181.70 to 182.70): VV016398.D (-3589) (-)
 Ion 184.00 (183.70 to 184.70): VV016398.D (-3589) (-)
 Ion 145.00 (144.70 to 145.70): VV016398.D (-3589) (-)

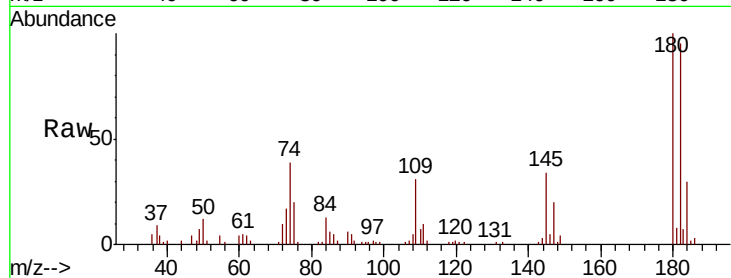




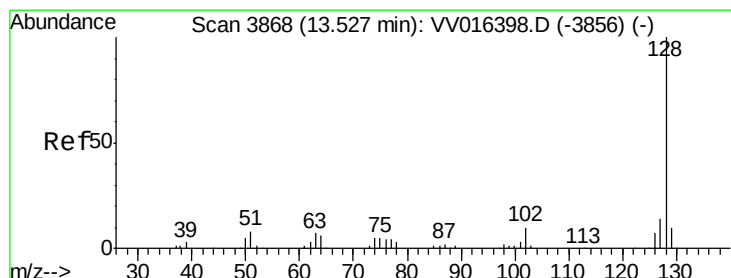
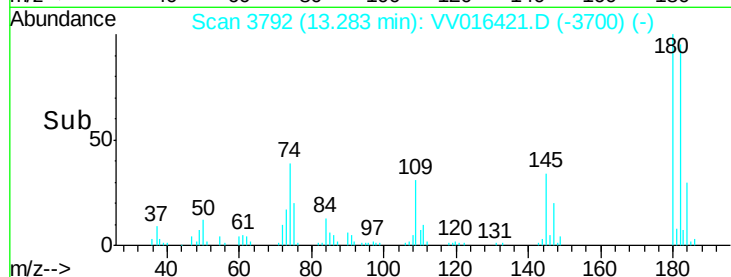
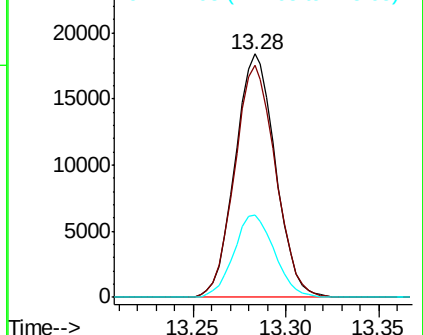
#69
 1,2,4-trichlorobenzene
 Concen: 3.713 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV016421.D
 Acq: 01 Jun 2020 19:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 27755
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.4 114.6
 145 34.1 26.9 40.3

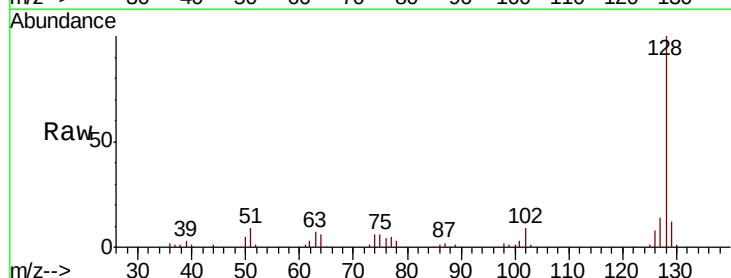


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

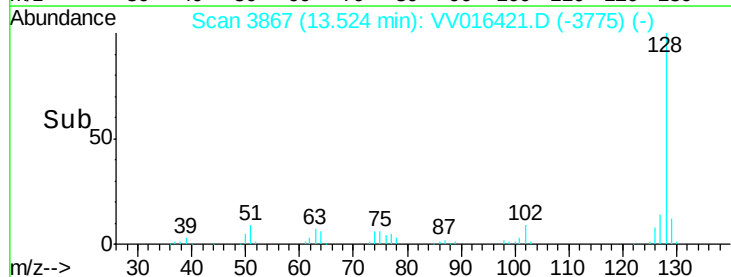
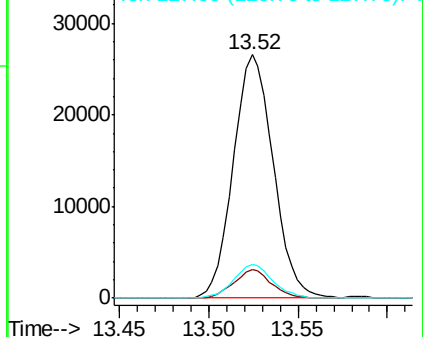


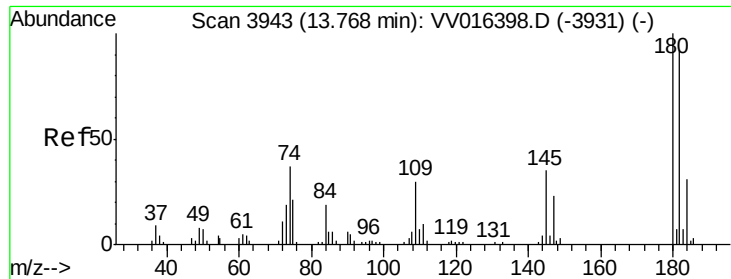
#70
 Naphthalene
 Concen: 2.313 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. -0.00 min
 Lab File: VV016421.D
 Acq: 01 Jun 2020 19:21

Tgt Ion:128 Resp: 41410
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.6 12.8
 127 13.5 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

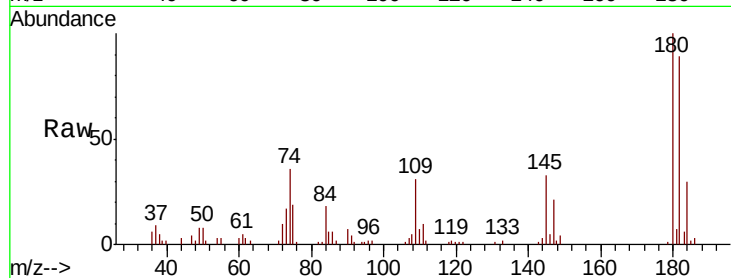




#71
 1,2,3-Trichlorobenzene
 Concen: 2.981 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016421.D
 Acq: 01 Jun 2020 19:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 19881
 Ion Ratio Lower Upper
 180 100
 182 93.0 75.1 112.7
 145 34.3 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

