

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061120\
 Data File : VV016839.D
 Acq On : 11 Jun 2020 20:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 12 01:34:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 12 01:27:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	363960	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	347270	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	179800	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	96038	37.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.80%
7) Chloroethane-d5	1.56	69	64499	41.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.72%
11) 1,1-Dichloroethene-d2	2.12	63	180689	41.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.80%
21) 2-Butanone-d5	3.85	46	170	0.09	ug/L	-0.04
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.09%#
24) Chloroform-d	4.37	84	234193	44.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.70%
26) 1,2-Dichloroethane-d4	5.05	65	161483	45.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.92%
32) Benzene-d6	5.07	84	424866	42.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.88%
36) 1,2-Dichloropropane-d6	6.09	67	132768	42.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.10%
41) Toluene-d8	7.34	98	399687	43.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.02%
43) trans-1,3-Dichloropropene-	7.64	79	68467	42.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.26%
47) 2-Hexanone-d5	8.11	63	118867	87.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.38%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	186182	45.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.14%
64) 1,2-Dichlorobenzene-d4	11.65	152	172077	44.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	135448	46.940	ug/L 98
3) Chloromethane	1.25	50	115058	43.602	ug/L 98
5) Vinyl chloride	1.32	62	118925	45.829	ug/L 100
6) Bromomethane	1.51	94	42057	38.914	ug/L 95
8) Chloroethane	1.58	64	61629	48.079	ug/L 97
9) Trichlorofluoromethane	1.75	101	185408	47.745	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	87966	45.459	ug/L 99
12) 1,1-Dichloroethene	2.13	96	81221	44.962	ug/L 98
13) Acetone	2.17	43	101336	80.914	ug/L 98
14) Carbon disulfide	2.30	76	279640	42.756	ug/L 99
15) Methyl Acetate	2.44	43	132961	47.632	ug/L 99
16) Methylene chloride	2.52	84	120732	45.546	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	111687	45.346	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	389318	47.704	ug/L 99
19) 1,1-Dichloroethane	3.21	63	216910	46.787	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	123502	45.995	ug/L 98
22) 2-Butanone	3.98	43	180304	93.359	ug/L 98

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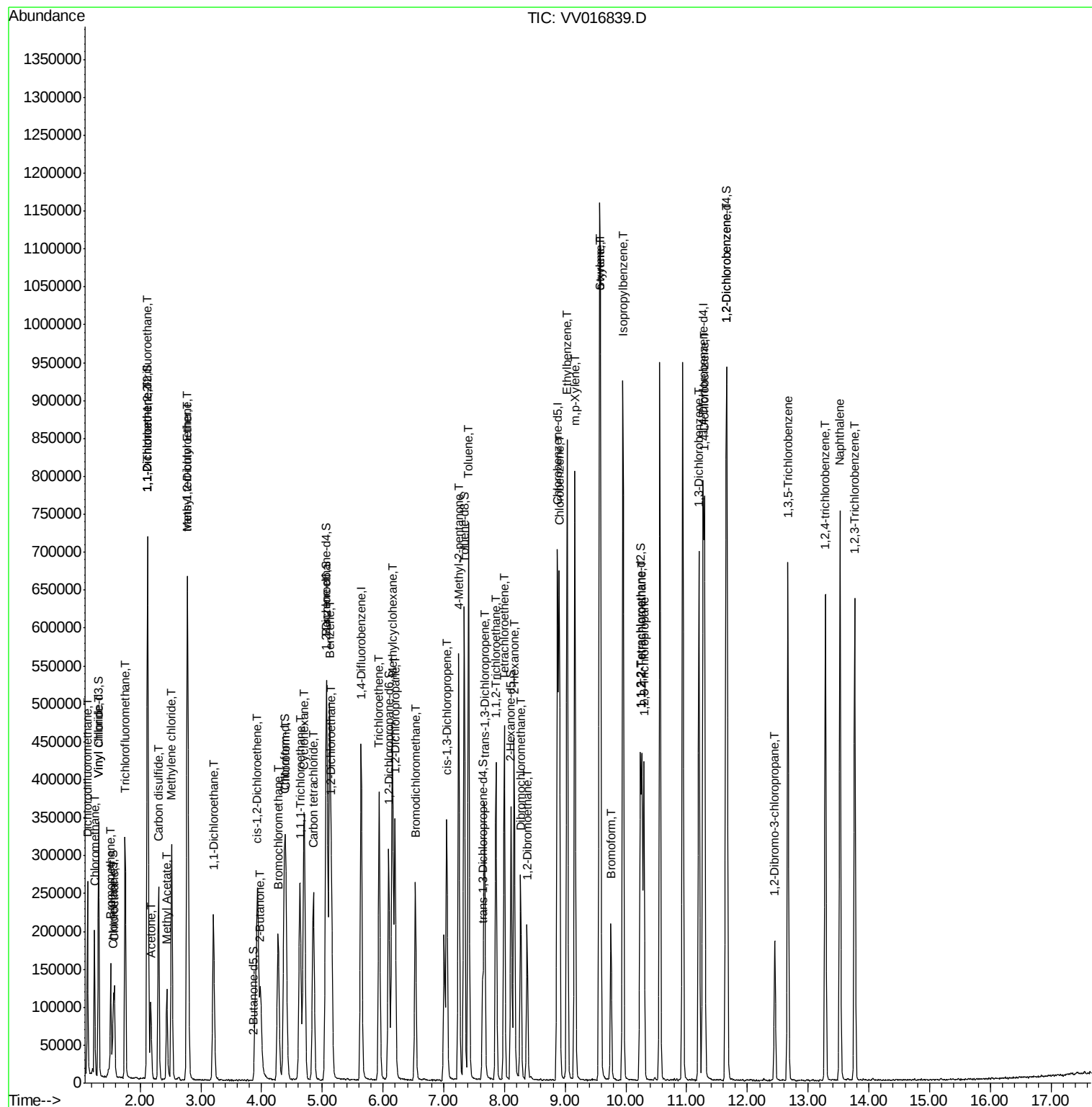
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	64638	45.698	ug/L	99
25) Chloroform	4.40	83	229262	48.118	ug/L	100
27) 1,2-Dichloroethane	5.15	62	196431	49.180	ug/L	97
29) Cyclohexane	4.70	56	190335	44.106	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	207983	46.963	ug/L	98
31) Carbon tetrachloride	4.85	117	184263	48.095	ug/L	99
33) Benzene	5.12	78	462640	45.027	ug/L	100
34) Trichloroethene	5.94	95	125327	45.480	ug/L	99
35) Methylcyclohexane	6.15	83	191725	44.350	ug/L	98
37) 1,2-Dichloropropane	6.20	63	121973	45.648	ug/L	99
38) Bromodichloromethane	6.53	83	166318	46.758	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	193730	46.676	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	368031	97.200	ug/L	99
42) Toluene	7.41	91	502323	46.376	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	187976	46.585	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	117974	45.763	ug/L	98
46) Tetrachloroethene	8.00	164	98375	45.392	ug/L	99
48) 2-Hexanone	8.16	43	281996	96.055	ug/L	98
49) Dibromochloromethane	8.27	129	130025	47.173	ug/L	100
50) 1,2-Dibromoethane	8.37	107	126857	46.991	ug/L	100
51) Chlorobenzene	8.90	112	321921	45.554	ug/L	99
52) Ethylbenzene	9.03	91	559522	46.637	ug/L	99
53) m,p-Xylene	9.16	106	212723	47.621	ug/L	99
54) o-xylene	9.57	106	209655	47.589	ug/L	97
55) Styrene	9.58	104	357098	47.942	ug/L	99
56) Isopropylbenzene	9.95	105	566848	47.885	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	185106	46.833	ug/L	95
59) 1,2,3-Trichloropropane	10.30	75	156370	47.167	ug/L	99
61) Bromoform	9.75	173	88501	47.854	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	263401	46.252	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	266159	45.935	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	273833	47.981	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	42320	47.159	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	197063	46.405	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	183090	47.005	ug/L	100
69) Naphthalene	13.53	128	558939	49.886	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	184544	48.421	ug/L	99

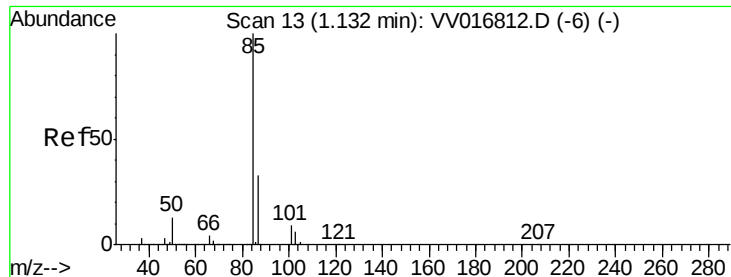
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.940 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

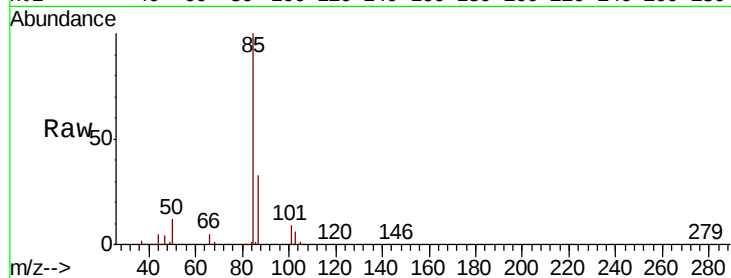
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 135448

Ion Ratio Lower Upper

85 100

87 32.9 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV016839.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV016839.D (-1) (-)

1.13

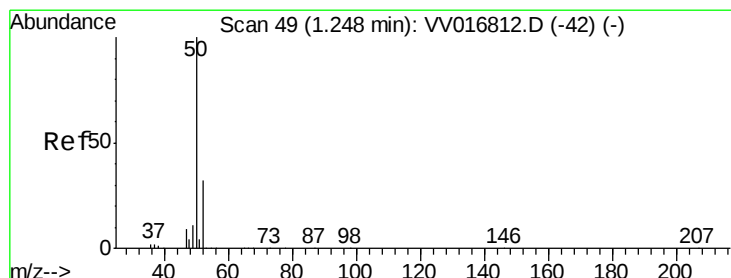
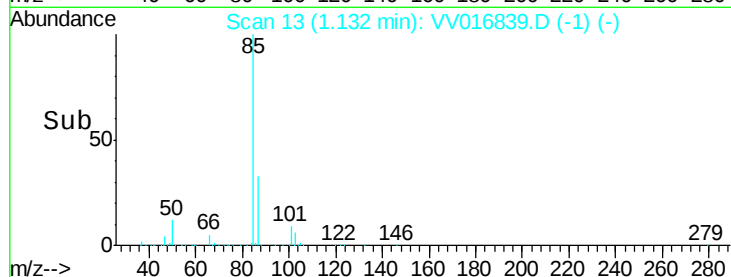
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 43.602 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016839.D

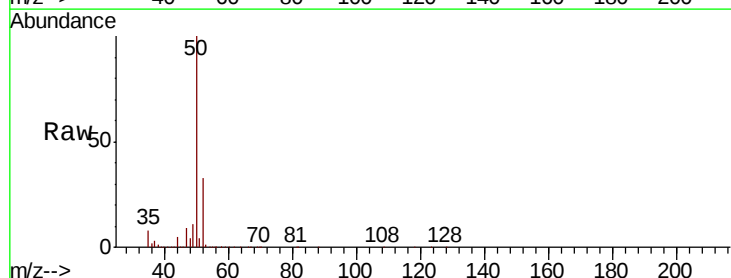
Acq: 11 Jun 2020 20:03

Tgt Ion: 50 Resp: 115058

Ion Ratio Lower Upper

50 100

52 33.3 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV016839.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV016839.D (-1) (-)

1.25

120000

100000

80000

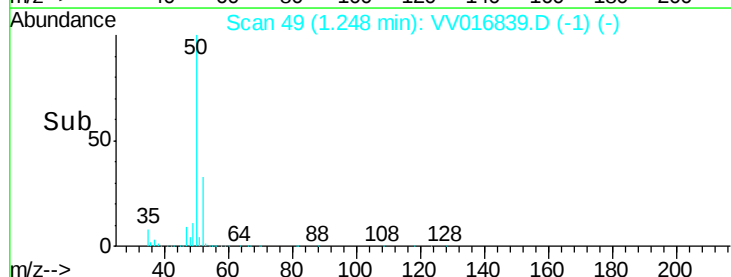
60000

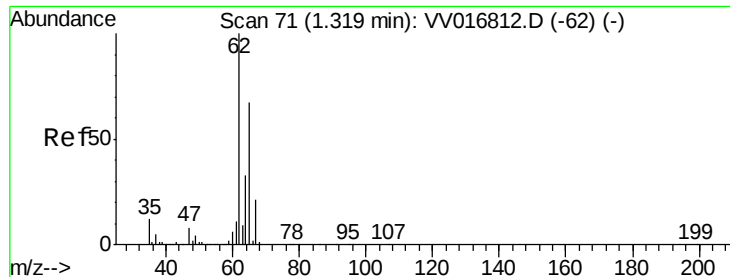
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 45.829 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

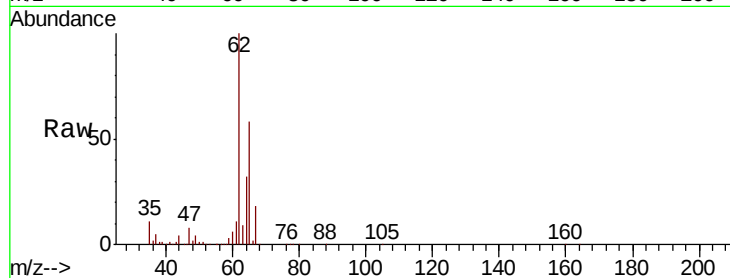
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 118925

Ion Ratio Lower Upper

62 100

64 31.8 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

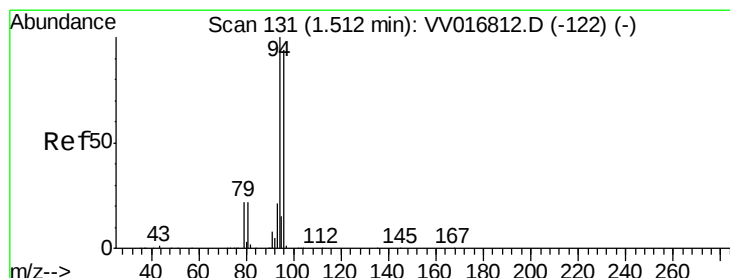
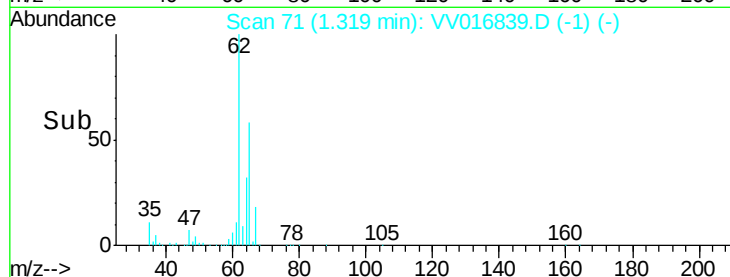
1.32

100000

50000

0

Time--> 1.25 1.30 1.35



#6

Bromomethane

Concen: 38.914 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV016839.D

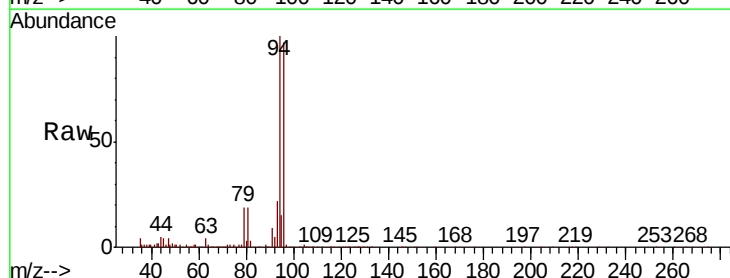
Acq: 11 Jun 2020 20:03

Tgt Ion: 94 Resp: 42057

Ion Ratio Lower Upper

94 100

96 96.6 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.51

50000

40000

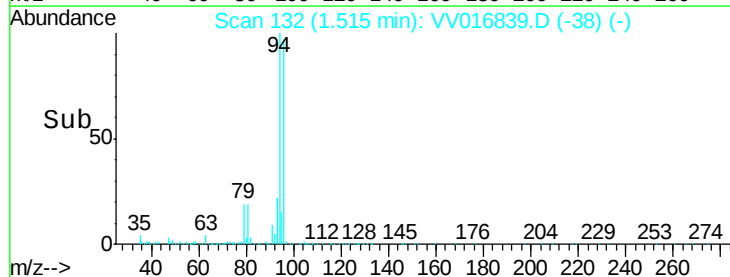
30000

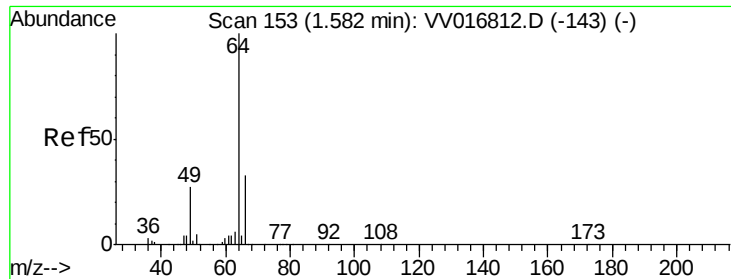
20000

10000

0

Time--> 1.50 1.55





#8

Chloroethane

Concen: 48.079 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

Instrument :

MSVOA_V

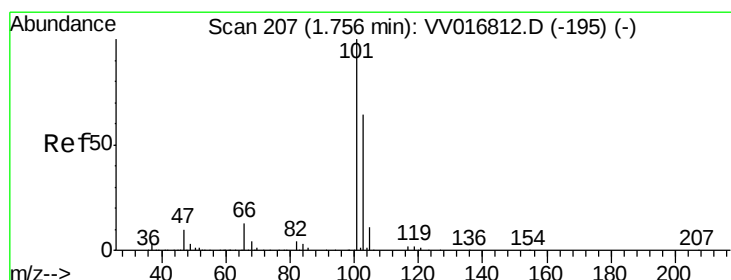
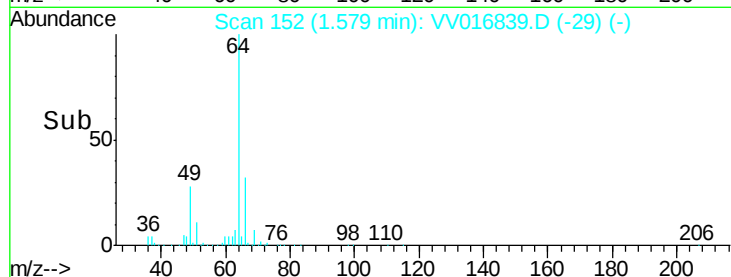
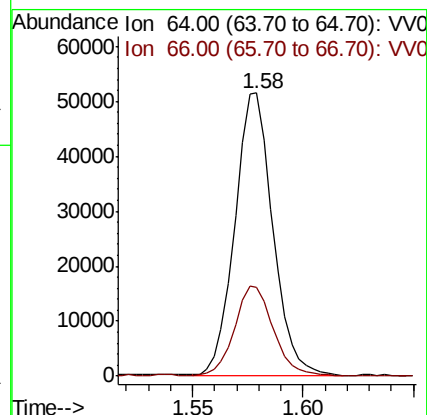
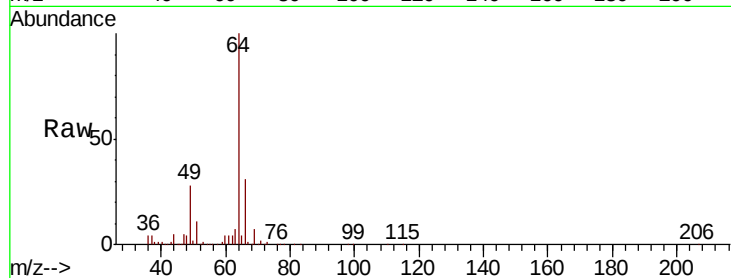
ClientSampleId :

Tot Ion: 64 Resp: 61629

Ion Ratio Lower Upper

64 100

66 31.4 23.2 43.0



#9

Trichlorofluoromethane

Concen: 47.745 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.00 min

Lab File: VV016839.D

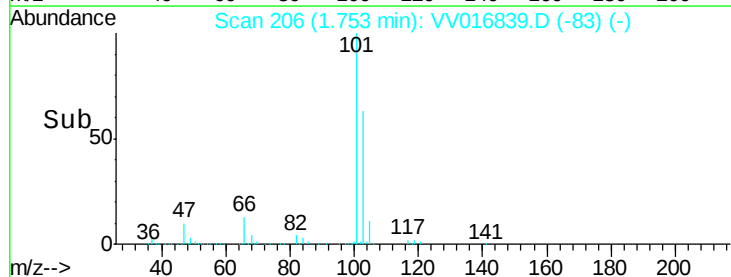
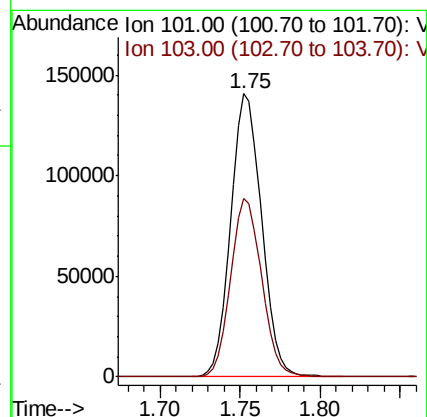
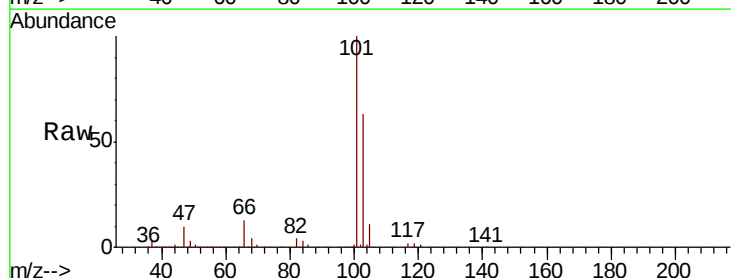
Acq: 11 Jun 2020 20:03

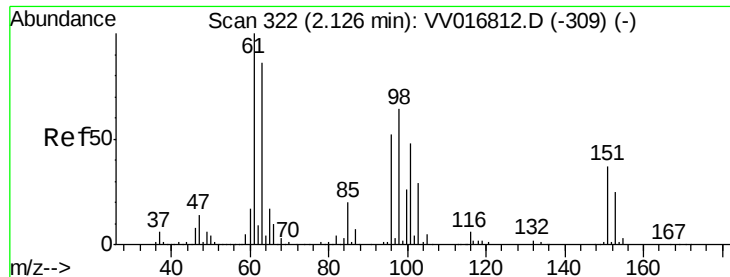
Tgt Ion: 101 Resp: 185408

Ion Ratio Lower Upper

101 100

103 63.4 51.3 76.9





#10

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

Concen: 45.459 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

Instrument :

MSVOA_V

ClientSampleId :

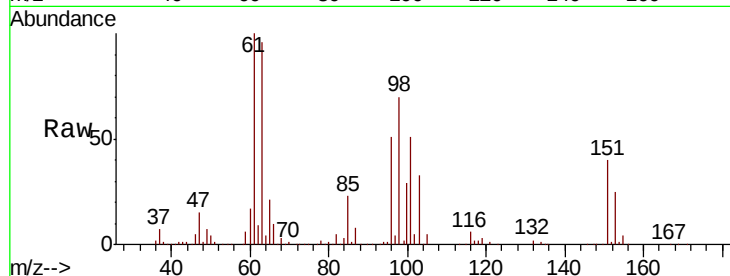
Tot Ion:101 Resp: 87966

Ion Ratio Lower Upper

101 100

85 44.4 35.5 53.3

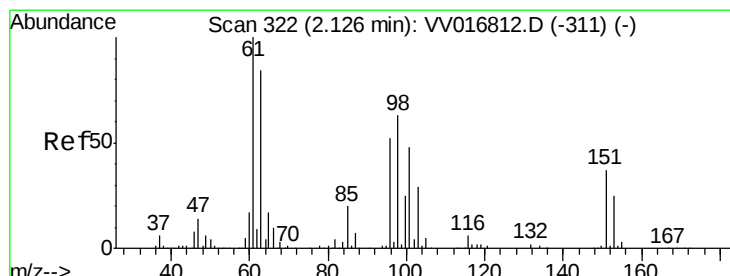
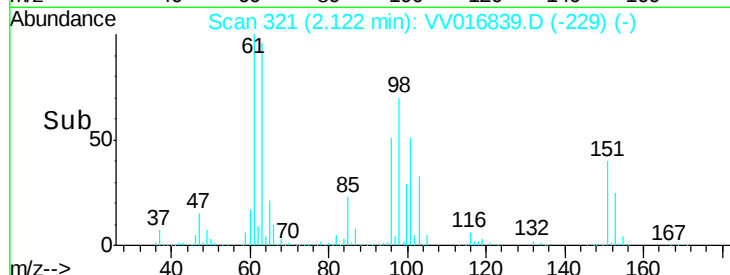
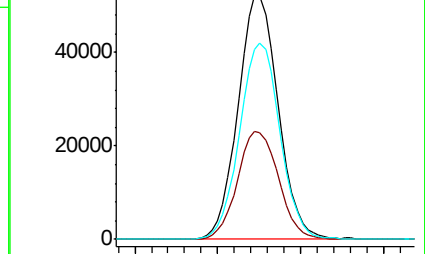
151 81.0 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV016839.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV016839.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV016839.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 44.962 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

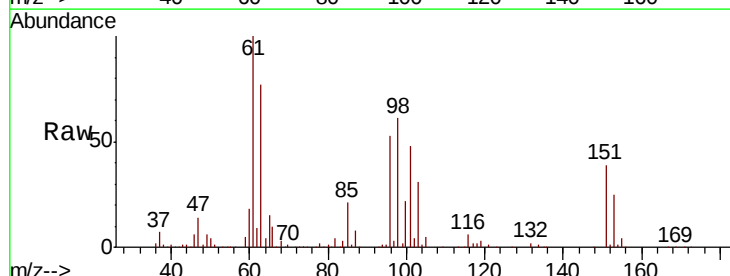
Tgt Ion: 96 Resp: 81221

Ion Ratio Lower Upper

96 100

61 190.1 130.4 242.2

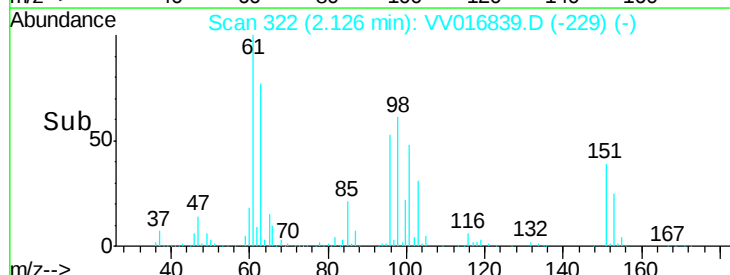
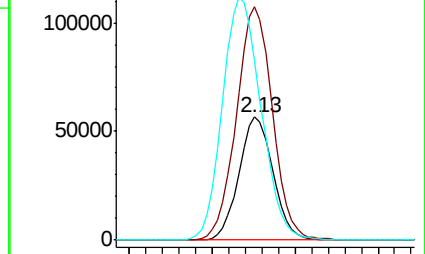
63 145.8 103.3 191.9

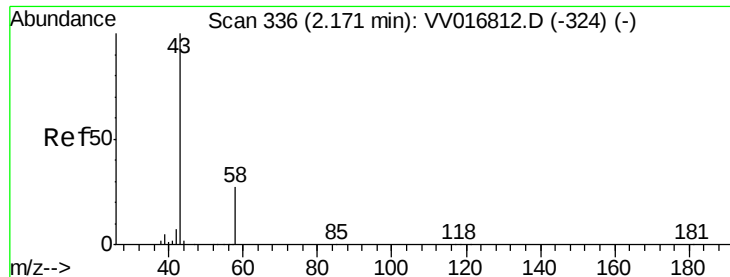


Abundance Ion 96.00 (95.70 to 96.70): VV016839.D (-229) (-)

Ion 61.00 (60.70 to 61.70): VV016839.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV016839.D (-229) (-)





#13

Acetone

Concen: 80.914 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

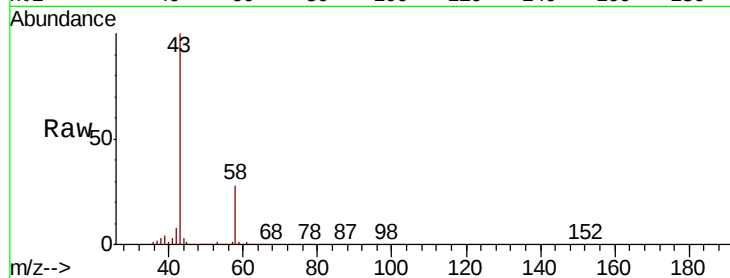
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 101336

Ion Ratio Lower Upper

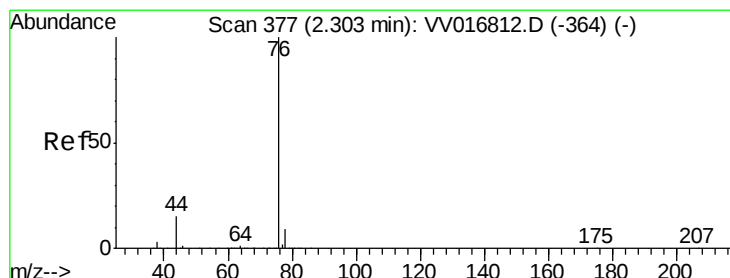
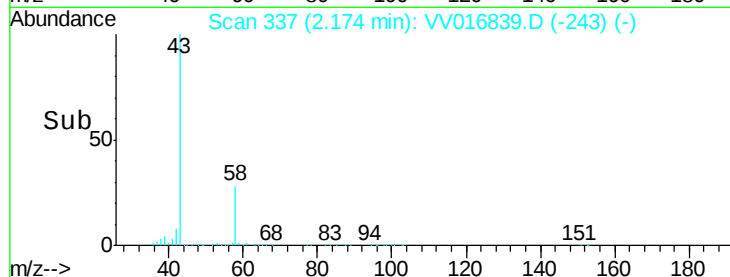
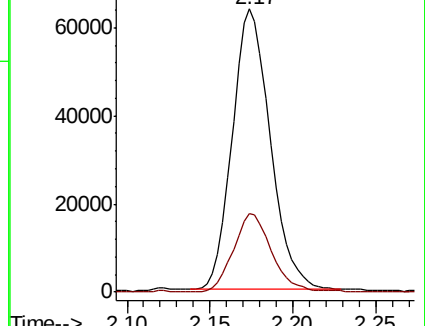
43 100

58 28.5 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016812.D (-324) (-)

Ion 58.00 (57.70 to 58.70): VV016812.D (-324) (-)



#14

Carbon disulfide

Concen: 42.756 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV016839.D

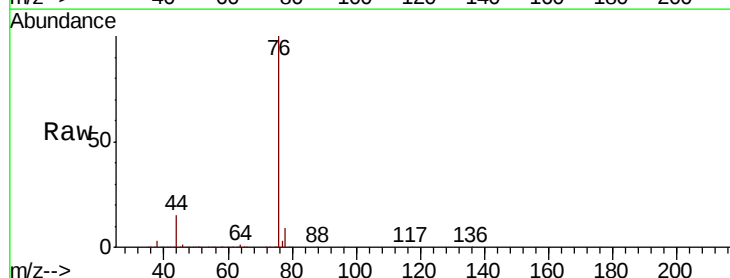
Acq: 11 Jun 2020 20:03

Tgt Ion: 76 Resp: 279640

Ion Ratio Lower Upper

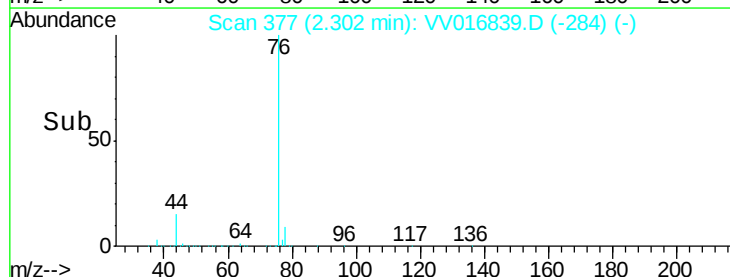
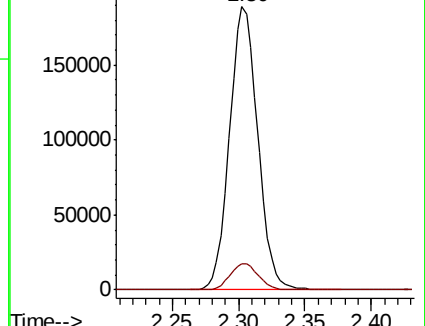
76 100

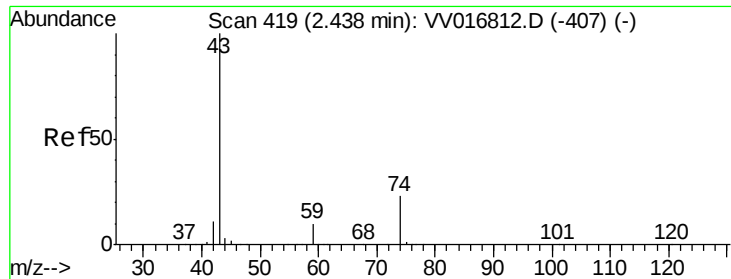
78 9.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV016812.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VV016812.D (-364) (-)





#15

Methyl Acetate

Concen: 47.632 ug/L

RT: 2.44 min Scan# 419

Delta R.T. -0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

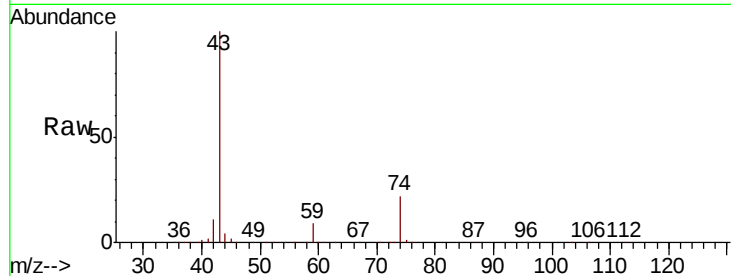
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 132961

Ion Ratio Lower Upper

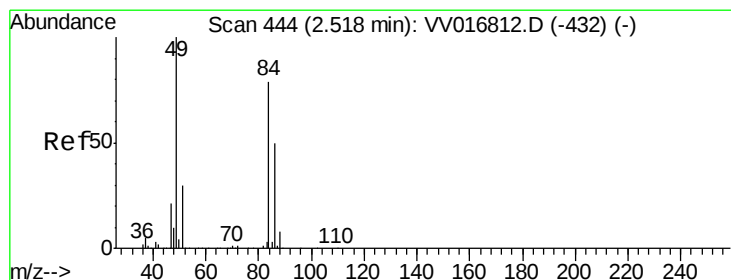
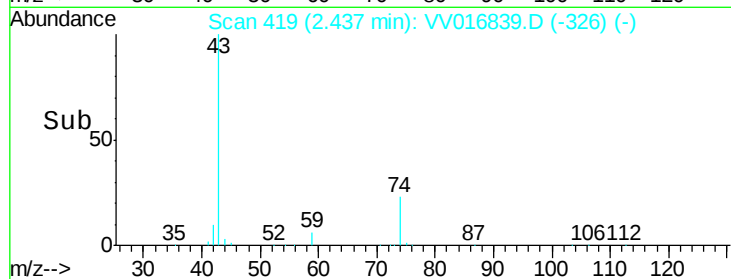
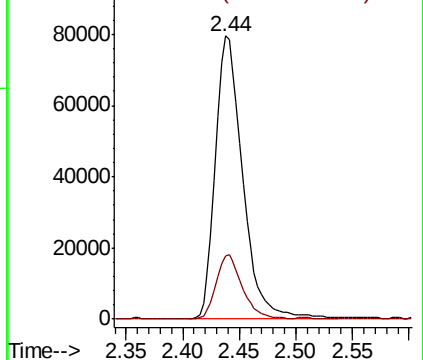
43 100

74 22.0 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 45.546 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

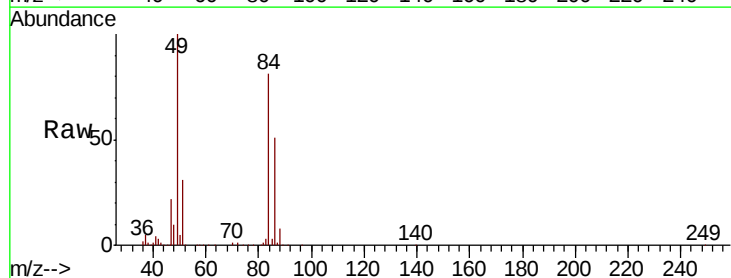
Tgt Ion: 84 Resp: 120732

Ion Ratio Lower Upper

84 100

86 63.3 44.0 81.8

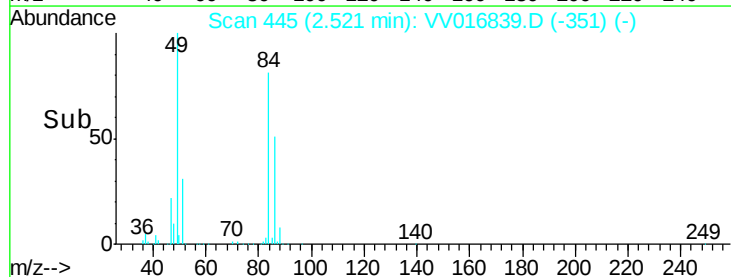
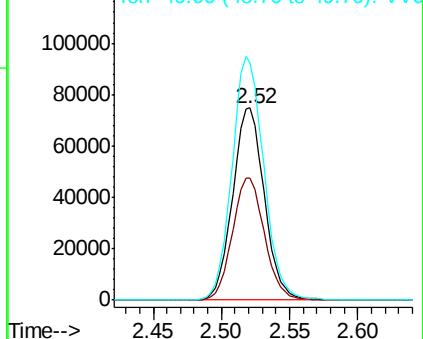
49 123.5 90.9 168.9

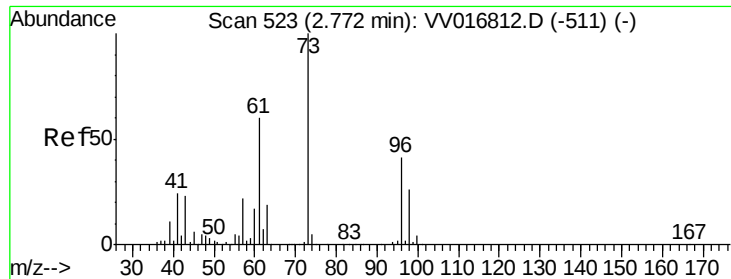


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 45.346 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

Instrument :
MSVOA_V
ClientSampled :

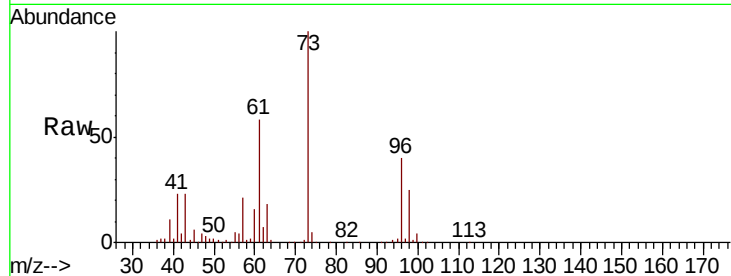
Tot Ion: 96 Resp: 111687

Ion Ratio Lower Upper

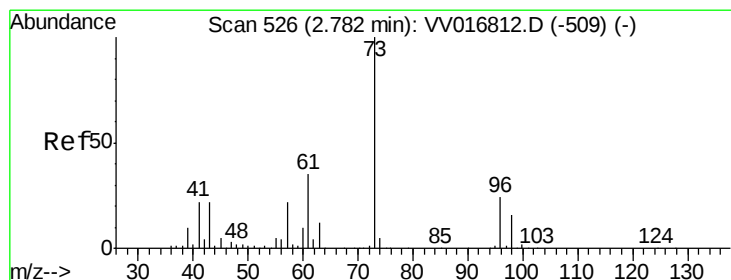
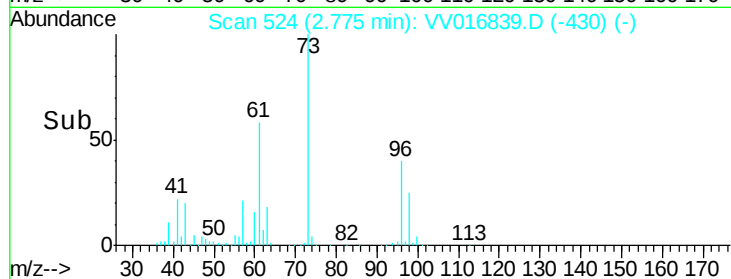
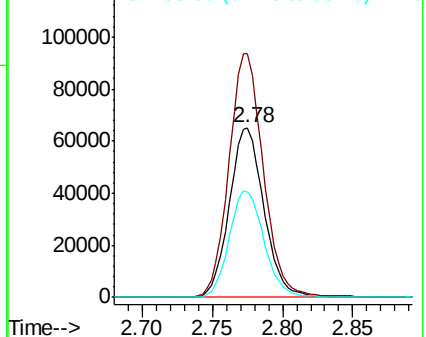
96 100

61 143.4 102.9 191.1

98 62.5 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 47.704 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

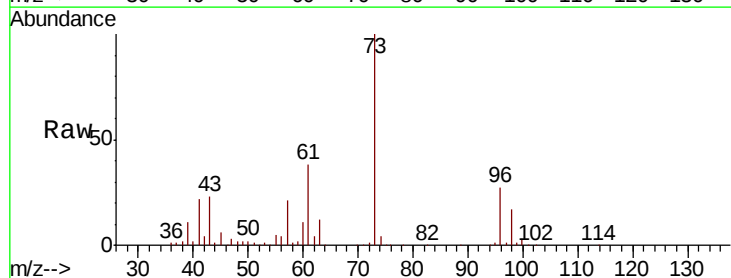
Tgt Ion: 73 Resp: 389318

Ion Ratio Lower Upper

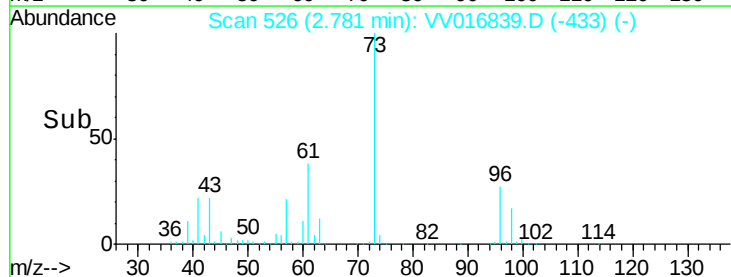
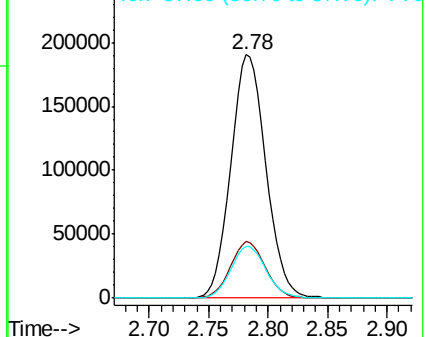
73 100

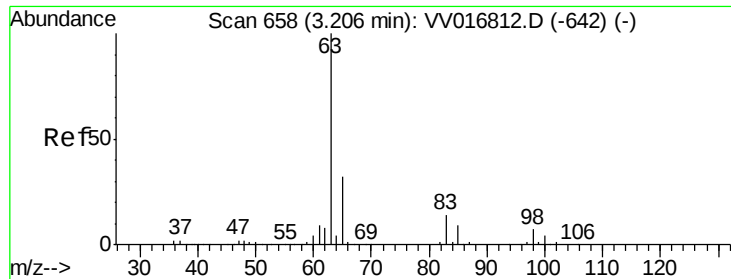
43 22.8 17.8 26.6

57 21.4 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 46.787 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

Instrument :
MSVOA_V
ClientSampleId :

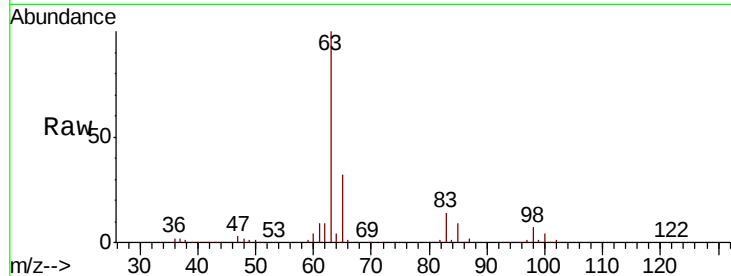
Tot Ion: 63 Resp: 216910

Ion	Ratio	Lower	Upper
63	100		
65	32.4	23.2	43.0
83	13.7	10.0	18.6

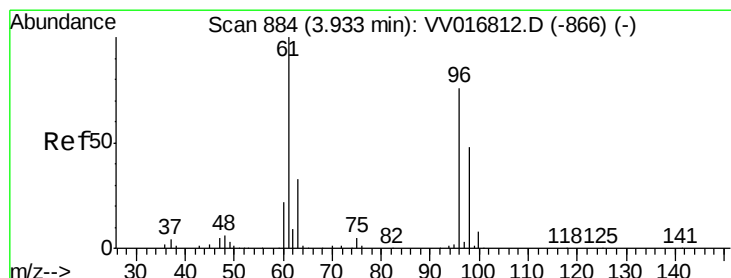
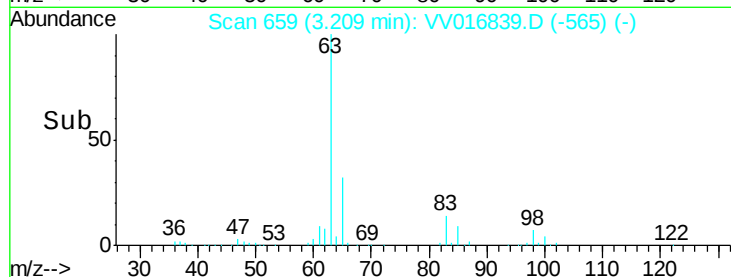
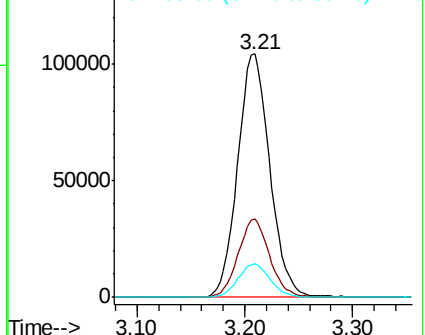
63 100

65 32.4 23.2 43.0

83 13.7 10.0 18.6



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 45.995 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

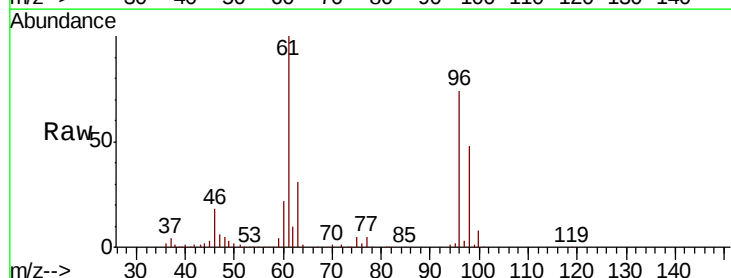
Tgt Ion: 96 Resp: 123502

Ion	Ratio	Lower	Upper
96	100		
61	136.0	93.4	173.4
68	0.0	0.0	0.0

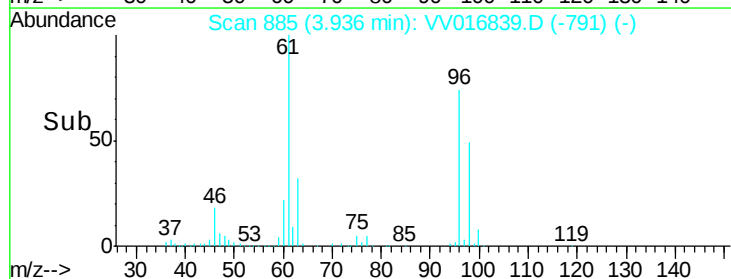
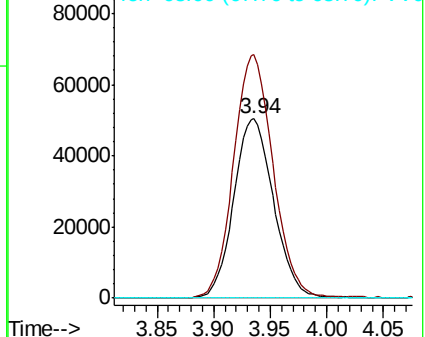
96 100

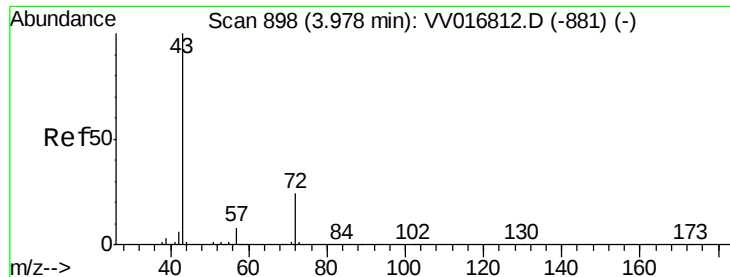
61 136.0 93.4 173.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 93.359 ug/L

RT: 3.98 min Scan# 899

Delta R.T. 0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

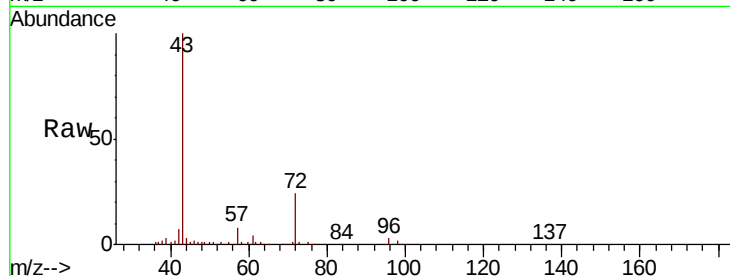
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 180304

Ion Ratio Lower Upper

43 100

72 26.1 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV016839.D (-805) (-)

Ion 72.00 (71.70 to 72.70): VV016839.D (-805) (-)

3.98

80000

60000

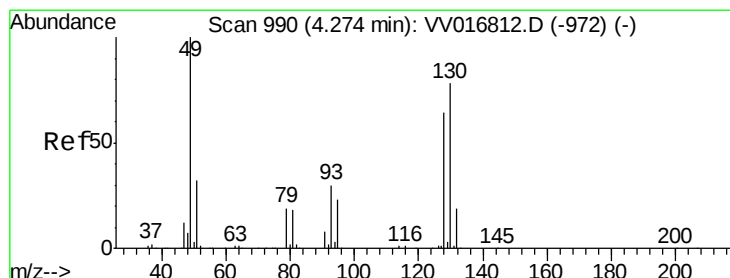
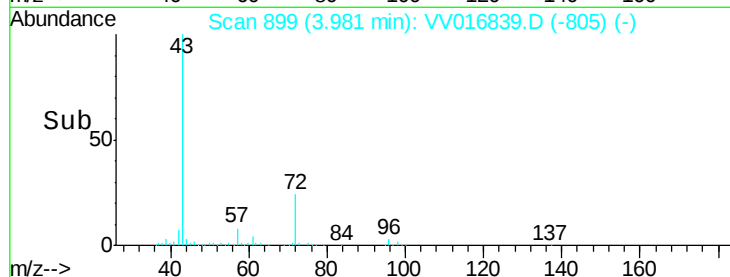
40000

20000

0

Time-->

3.90 4.00 4.10



#23

Bromochloromethane

Concen: 45.698 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

Tgt Ion:128 Resp: 64638

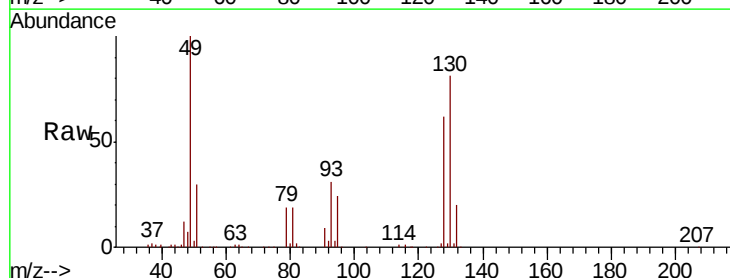
Ion Ratio Lower Upper

128 100

49 161.1 111.9 207.9

130 131.3 91.5 169.9

51 48.7 42.1 63.1



Abundance Ion 128.00 (127.70 to 128.70): VV016839.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV016839.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV016839.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV016839.D (-897) (-)

60000

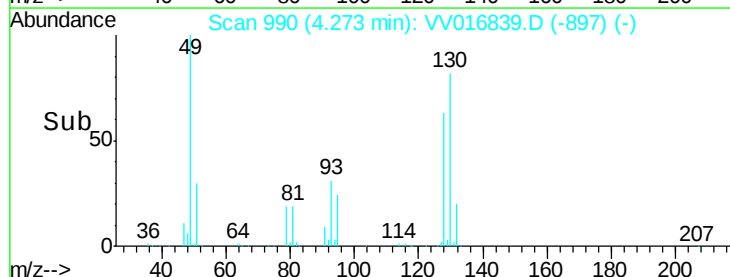
40000

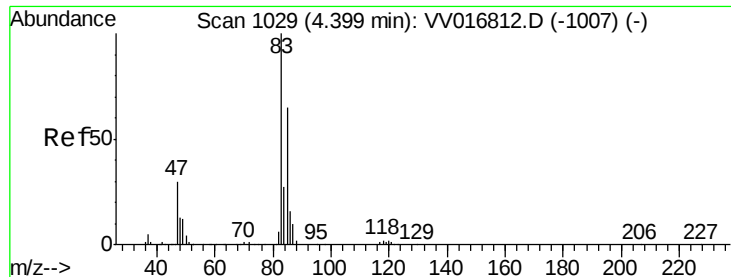
20000

0

Time-->

4.20 4.25 4.30 4.35

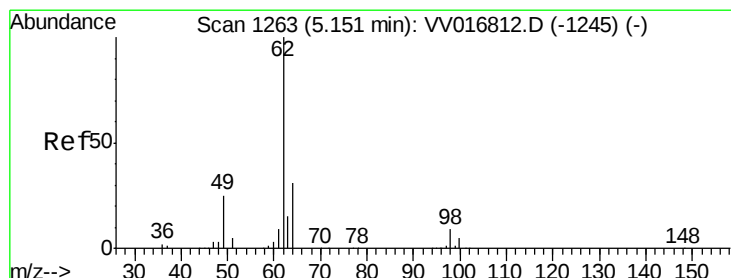
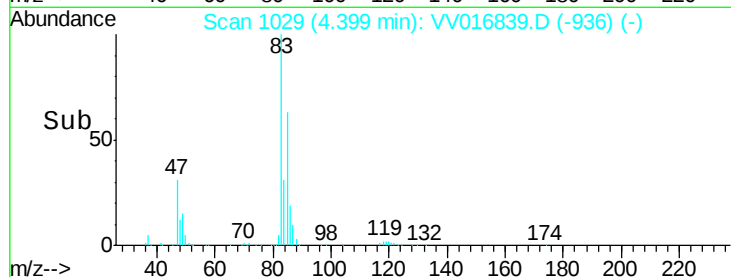
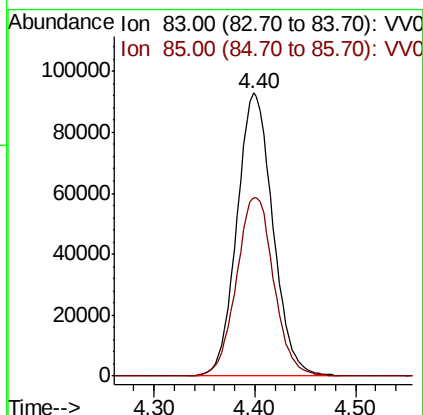
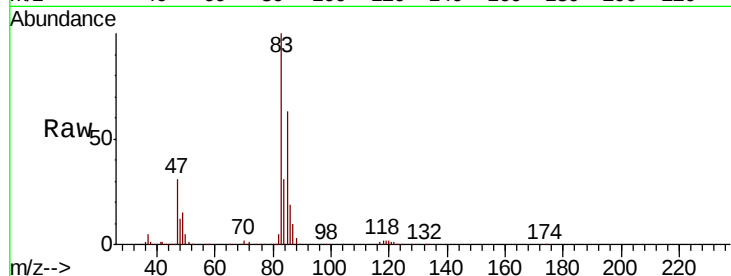




#25
Chloroform
Concen: 48.118 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV016839.D
Acq: 11 Jun 2020 20:03

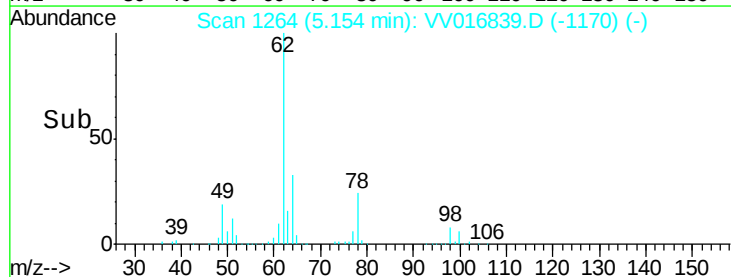
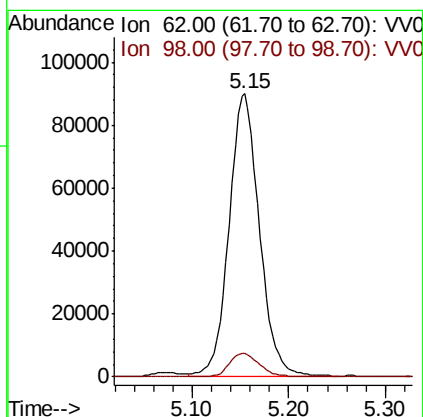
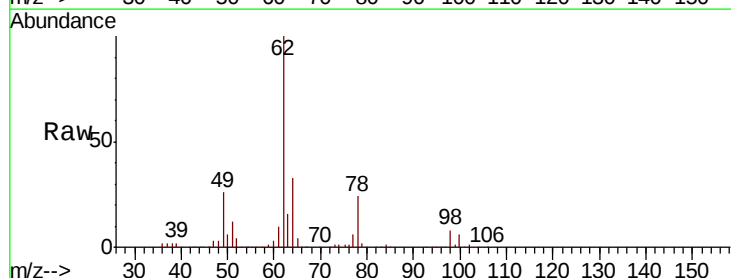
Instrument :
MSVOA_V
ClientSampleId :

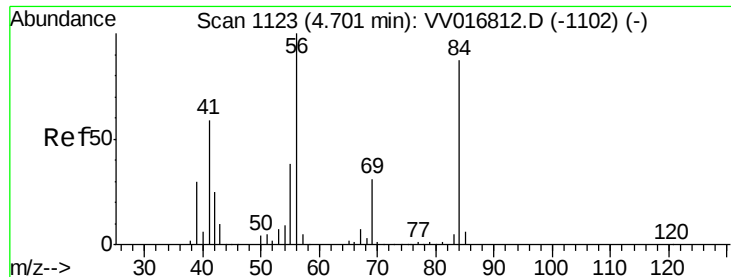
Tot Ion: 83 Resp: 229262
Ion Ratio Lower Upper
83 100
85 63.0 44.1 81.9



#27
1,2-Dichloroethane
Concen: 49.180 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV016839.D
Acq: 11 Jun 2020 20:03

Tgt Ion: 62 Resp: 196431
Ion Ratio Lower Upper
62 100
98 8.1 7.4 11.2

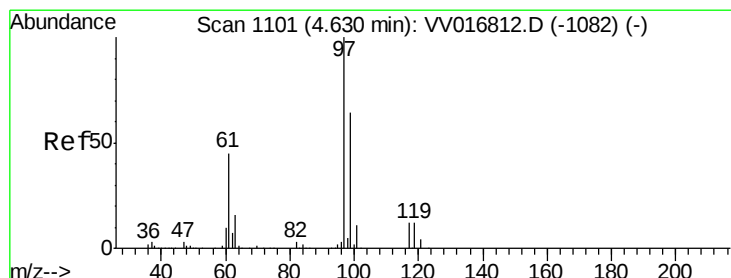
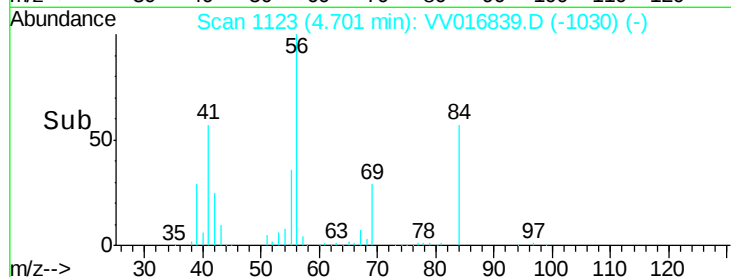
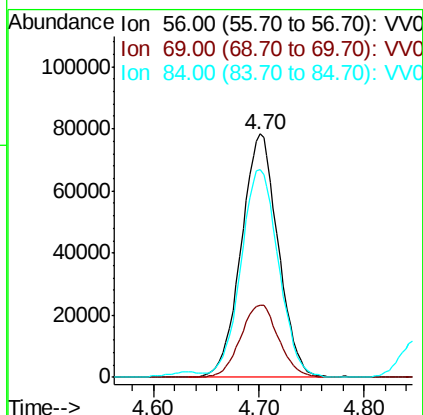
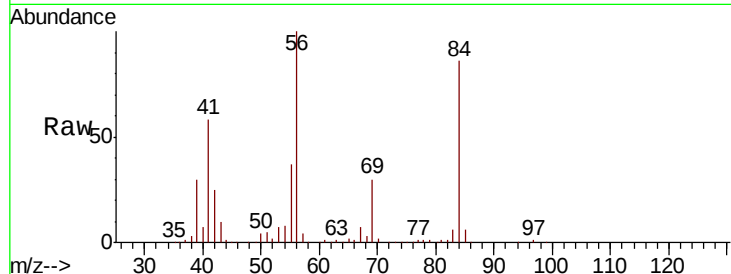




#29
Cyclohexane
Concen: 44.106 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV016839.D
Acq: 11 Jun 2020 20:03

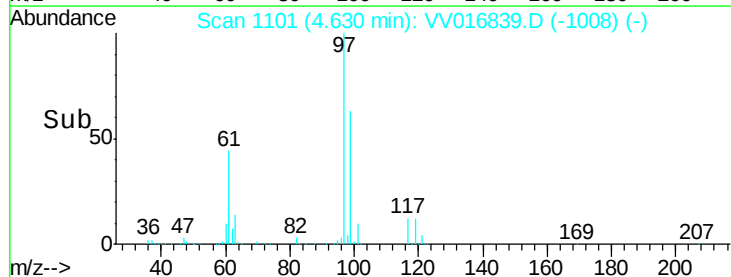
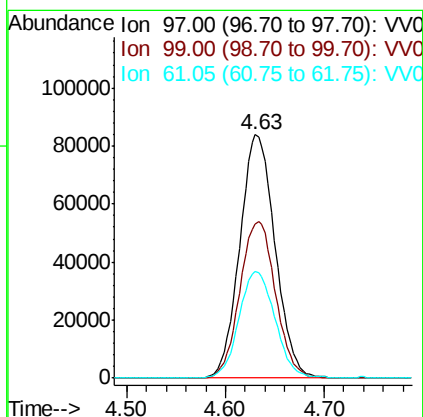
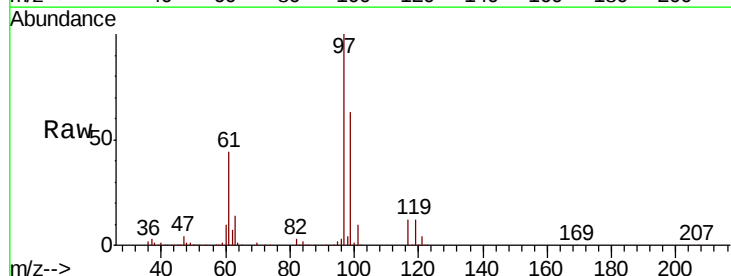
Instrument :
MSVOA_V
ClientSampleId :

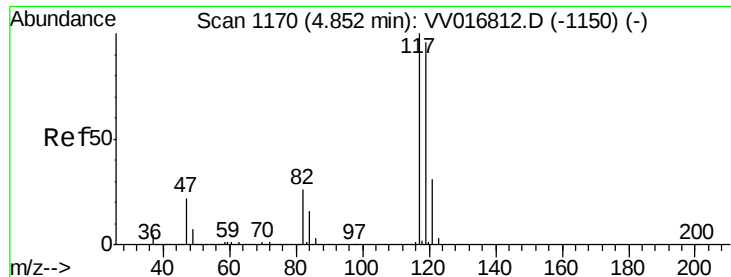
Tot Ion: 56 Resp: 190335
Ion Ratio Lower Upper
56 100
69 30.7 25.0 37.4
84 87.0 69.5 104.3



#30
1,1,1-Trichloroethane
Concen: 46.963 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV016839.D
Acq: 11 Jun 2020 20:03

Tgt Ion: 97 Resp: 207983
Ion Ratio Lower Upper
97 100
99 65.0 51.3 76.9
61 44.2 36.7 55.1

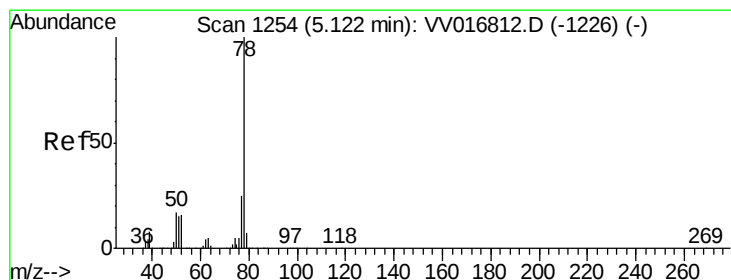
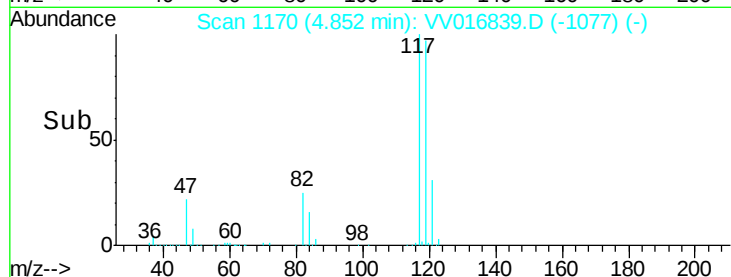
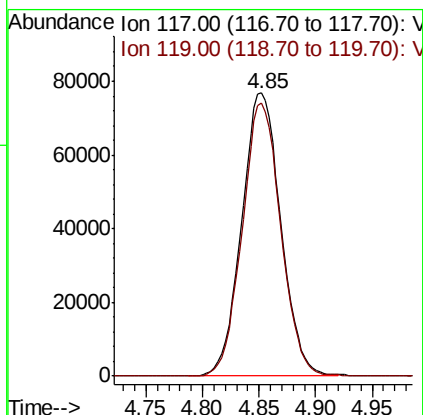
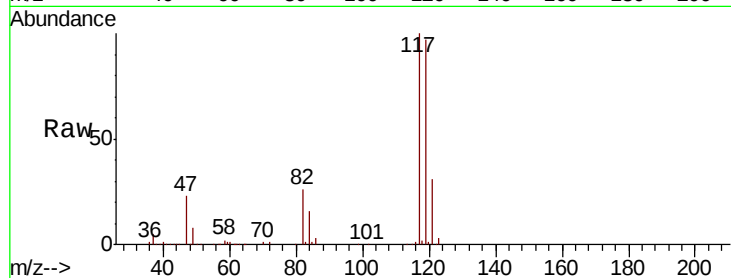




#31
Carbon tetrachloride
Concen: 48.095 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV016839.D
Acq: 11 Jun 2020 20:03

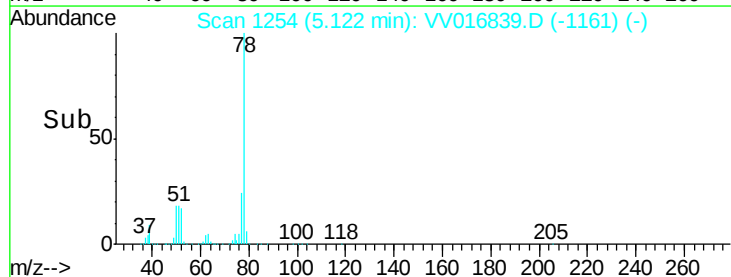
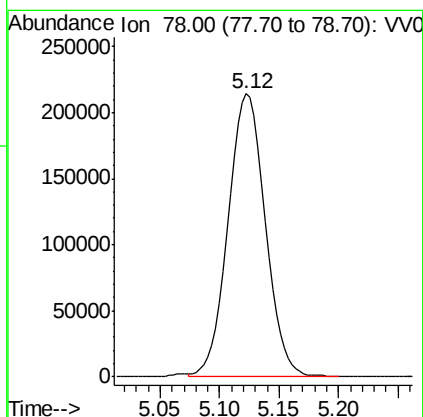
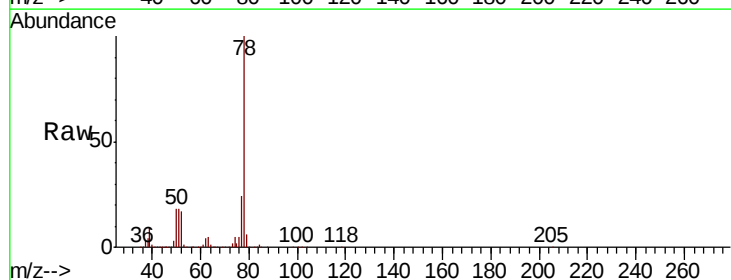
Instrument :
MSVOA_V
ClientSampleId :

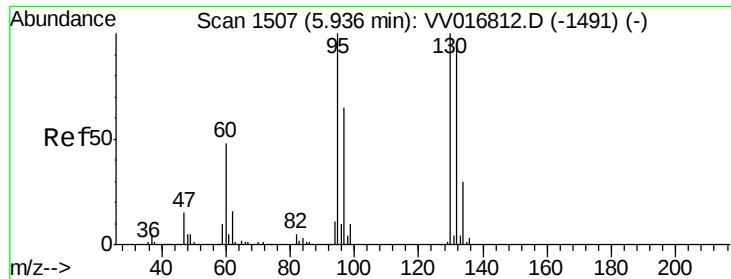
Tot Ion:117 Resp: 184263
Ion Ratio Lower Upper
117 100
119 95.4 77.4 116.2



#33
Benzene
Concen: 45.027 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV016839.D
Acq: 11 Jun 2020 20:03

Tgt Ion: 78 Resp: 462640

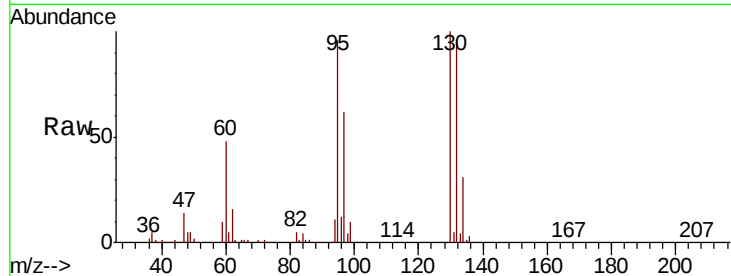




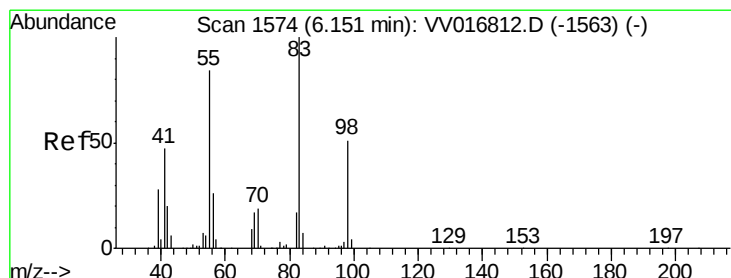
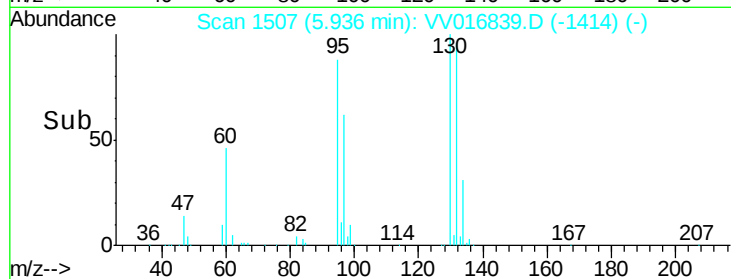
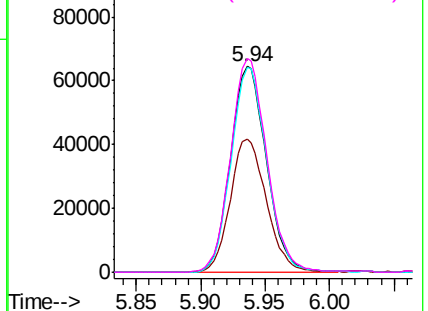
#34
 Trichloroethene
 Concen: 45.480 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016839.D
 Acq: 11 Jun 2020 20:03

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	95	Resp:	125327
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.3	82.3
132	99.3	67.9	126.1
130	103.7	72.2	134.2

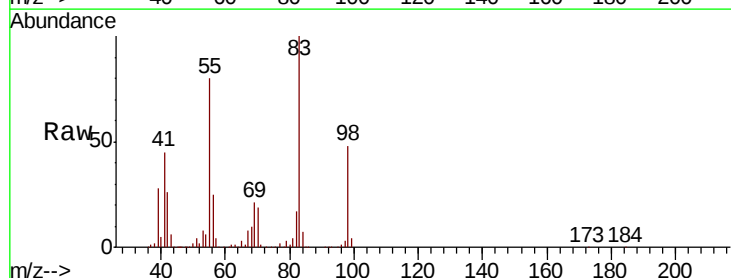


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

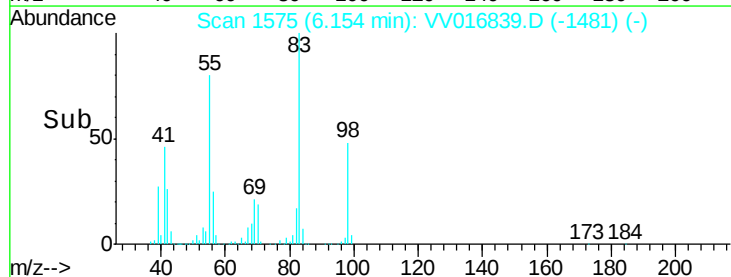
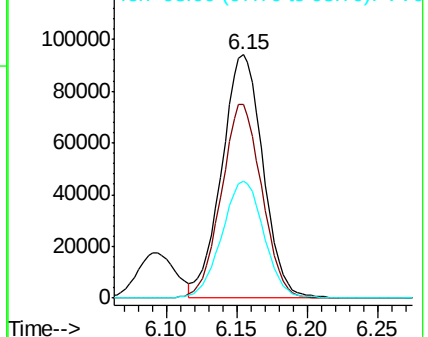


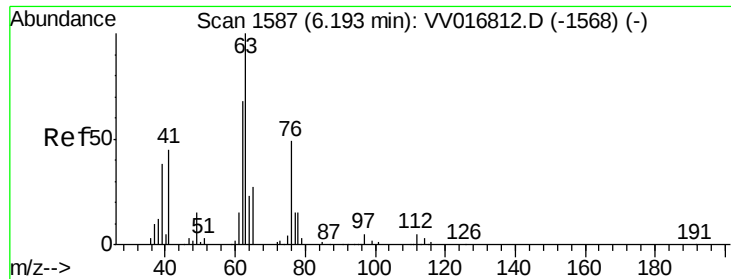
#35
 Methylcyclohexane
 Concen: 44.350 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV016839.D
 Acq: 11 Jun 2020 20:03

Tgt Ion:	83	Resp:	191725
Ion	Ratio	Lower	Upper
83	100		
55	78.1	64.2	96.2
98	49.3	40.3	60.5



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

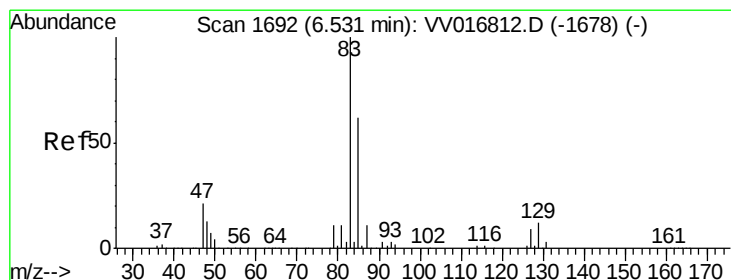
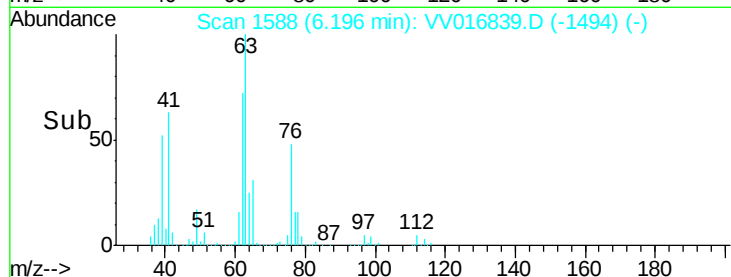
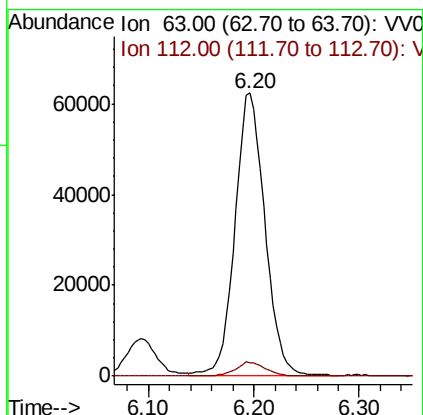
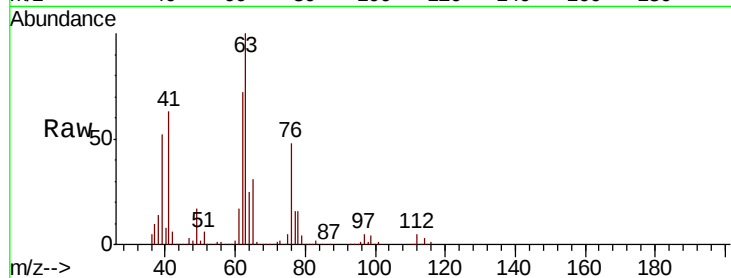




#37
 1,2-Dichloropropane
 Concen: 45.648 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV016839.D
 Acq: 11 Jun 2020 20:03

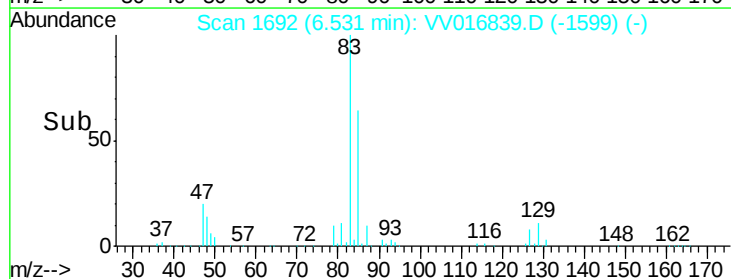
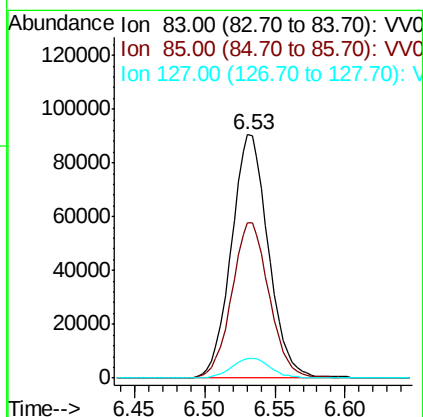
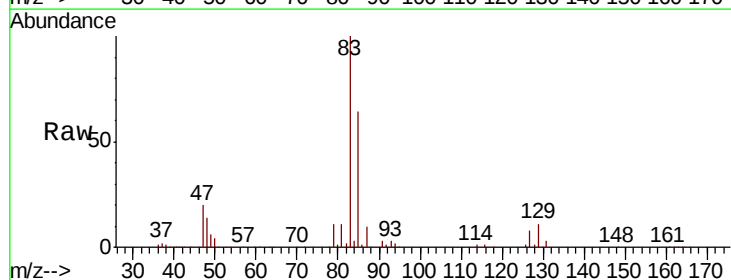
Instrument :
 MSVOA_V
 ClientSampleId :

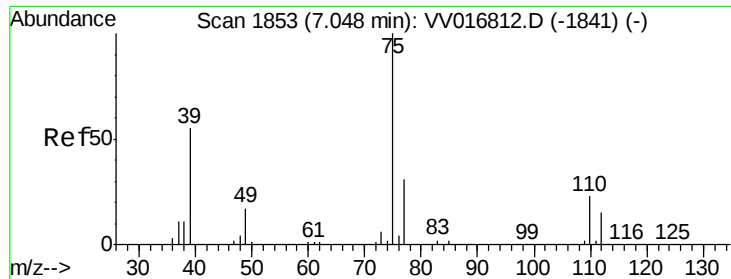
Tot Ion: 63 Resp: 121973
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.6



#38
 Bromodichloromethane
 Concen: 46.758 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV016839.D
 Acq: 11 Jun 2020 20:03

Tgt Ion: 83 Resp: 166318
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.4 82.5
 127 8.2 7.4 11.0

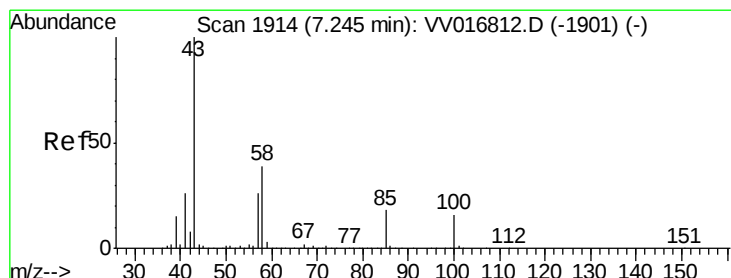
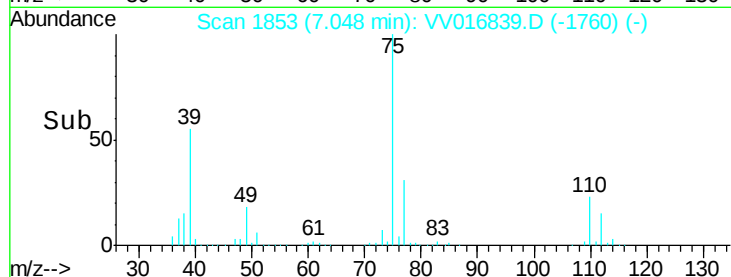
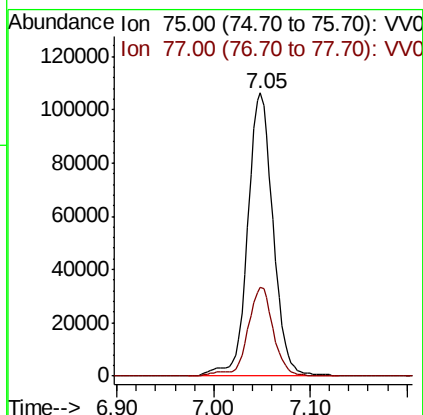
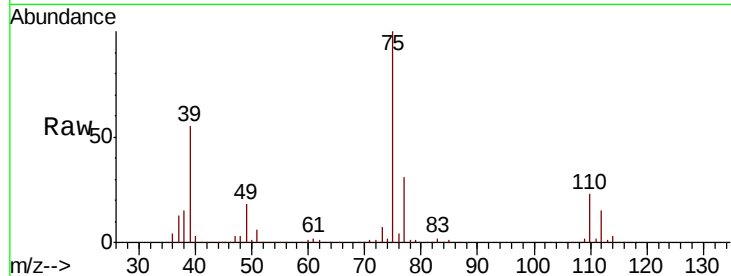




#39
 cis-1,3-Dichloropropene
 Concen: 46.676 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV016839.D
 Acq: 11 Jun 2020 20:03

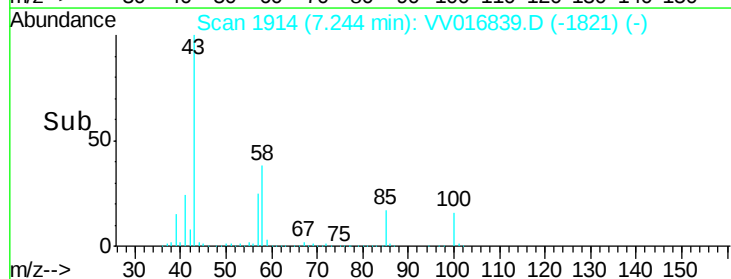
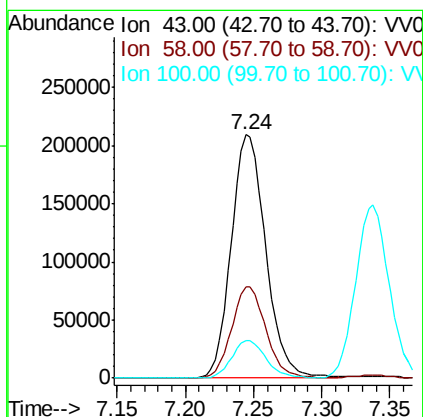
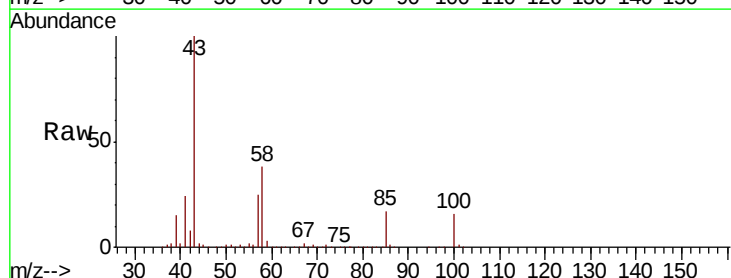
Instrument :
 MSVOA_V
 ClientSampleId :

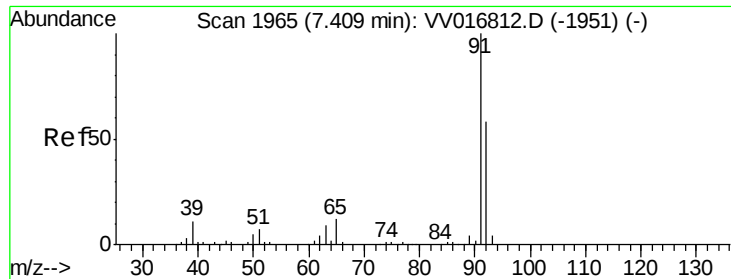
Tot Ion: 75 Resp: 193730
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 97.200 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV016839.D
 Acq: 11 Jun 2020 20:03

Tgt Ion: 43 Resp: 368031
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.2 45.4
 100 15.3 12.3 18.5





#42

Toluene

Concen: 46.376 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

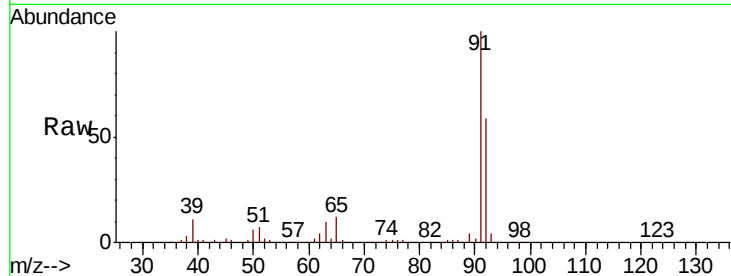
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 502323

Ion Ratio Lower Upper

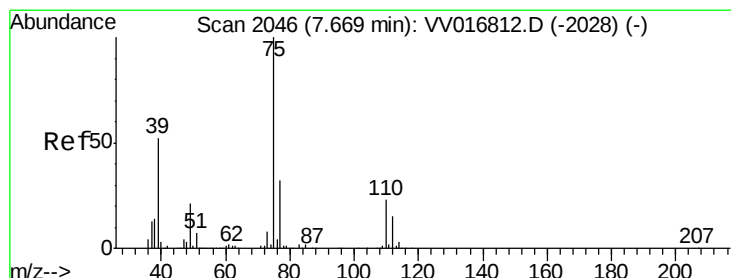
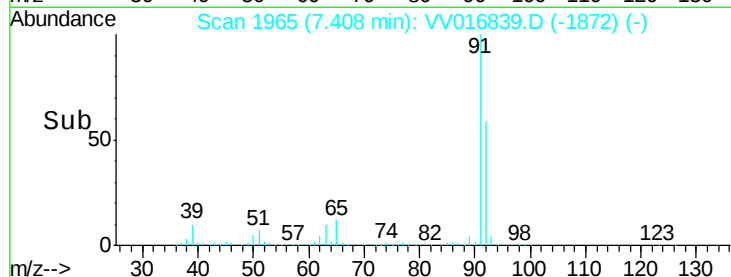
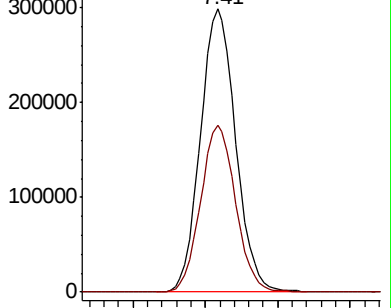
91 100

92 59.1 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 46.585 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016839.D

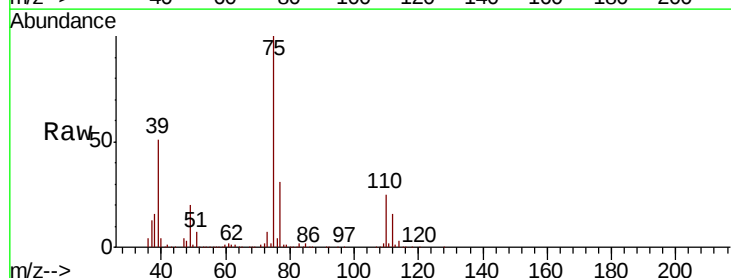
Acq: 11 Jun 2020 20:03

Tgt Ion: 75 Resp: 187976

Ion Ratio Lower Upper

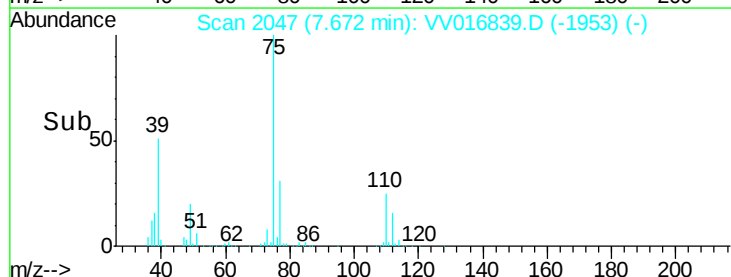
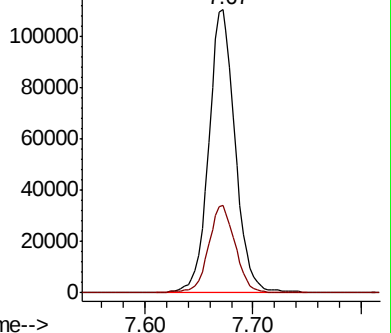
75 100

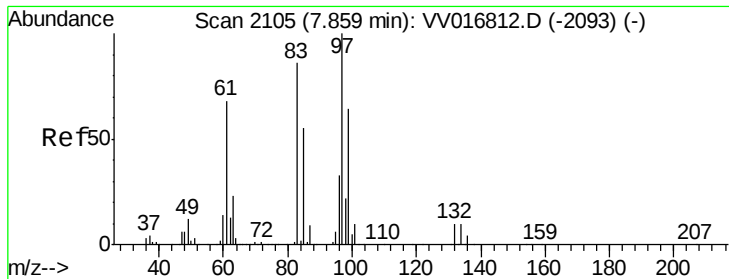
77 30.8 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

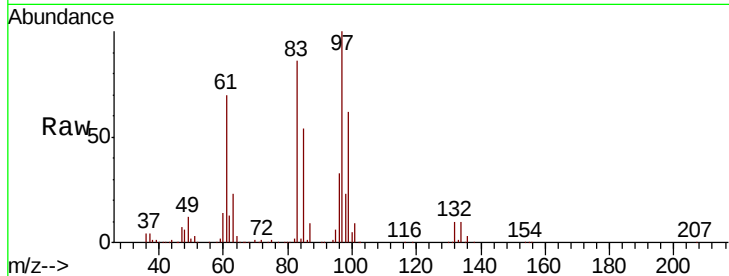




#45
1,1,2-Trichloroethane
Concen: 45.763 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV016839.D
Acq: 11 Jun 2020 20:03

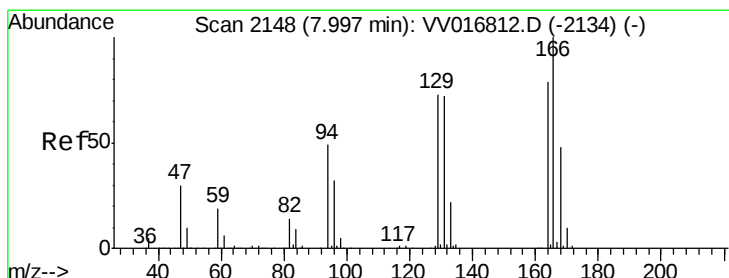
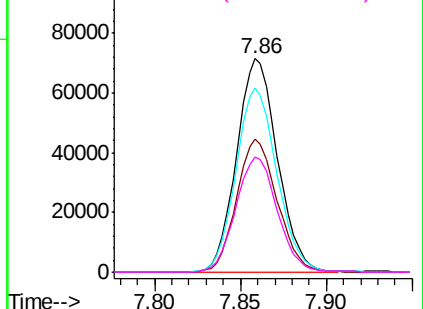
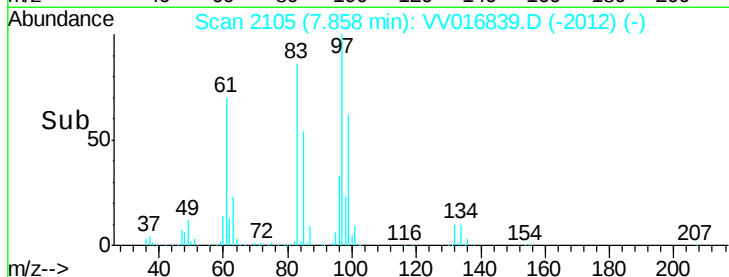
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	117974
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.3	82.3
83	86.4	60.0	111.4
85	54.0	39.5	73.3



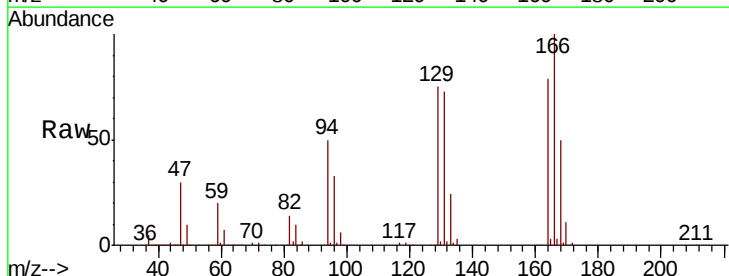
Abundance

Ion 97.00 (96.70 to 97.70): VV016839.D (-2012) (-)



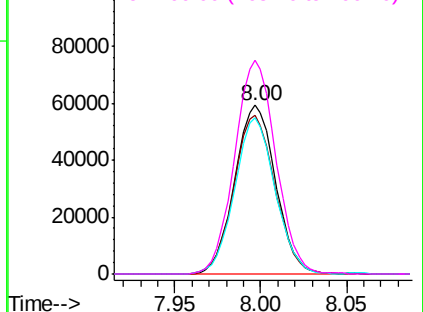
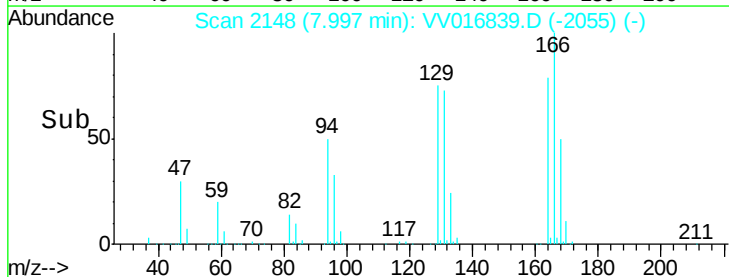
#46
Tetrachloroethene
Concen: 45.392 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV016839.D
Acq: 11 Jun 2020 20:03

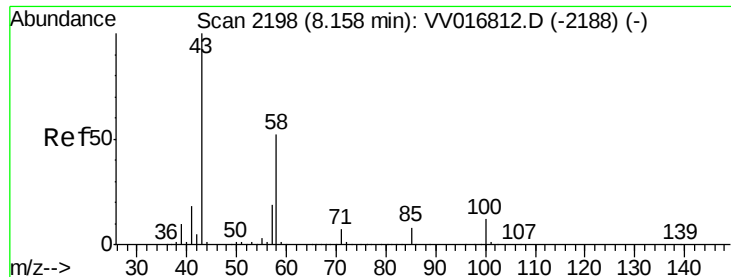
Tgt Ion:	164	Resp:	98375
Ion	Ratio	Lower	Upper
164	100		
129	94.4	67.0	124.4
131	92.9	64.8	120.3
166	126.6	90.4	167.8



Abundance

Ion 164.00 (163.70 to 164.70): VV016839.D (-2055) (-)

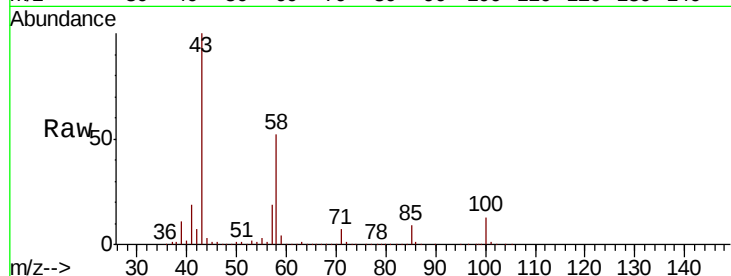




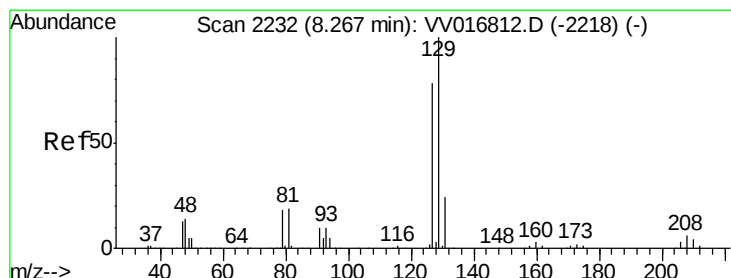
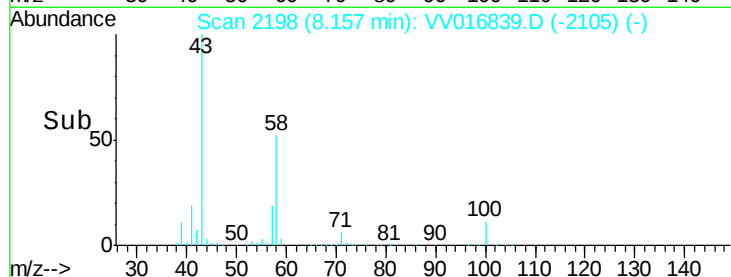
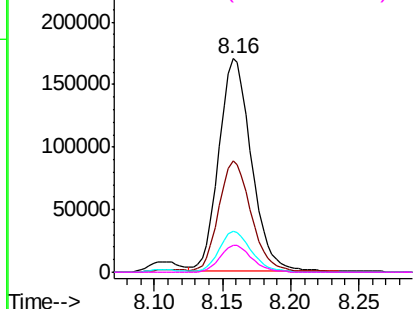
#48
2-Hexanone
Concen: 96.055 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV016839.D
Acq: 11 Jun 2020 20:03

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 281996
Ion Ratio Lower Upper
43 100
58 52.0 43.1 64.7
57 18.5 15.3 22.9
100 12.5 10.0 15.0

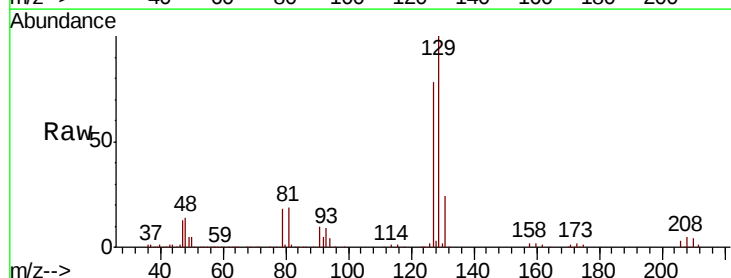


Abundance Ion 43.00 (42.70 to 43.70): VV016839.D (-2195) (-)
Ion 58.00 (57.70 to 58.70): VV016839.D (-2195) (-)
Ion 57.00 (56.70 to 57.70): VV016839.D (-2195) (-)
Ion 100.00 (99.70 to 100.70): VV016839.D (-2195) (-)

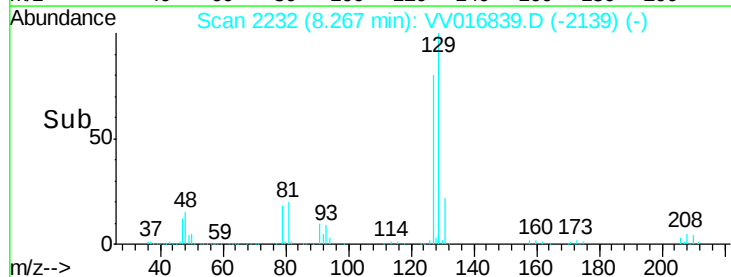
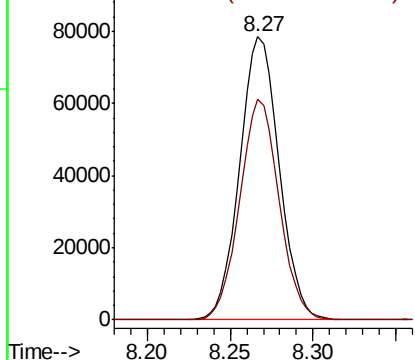


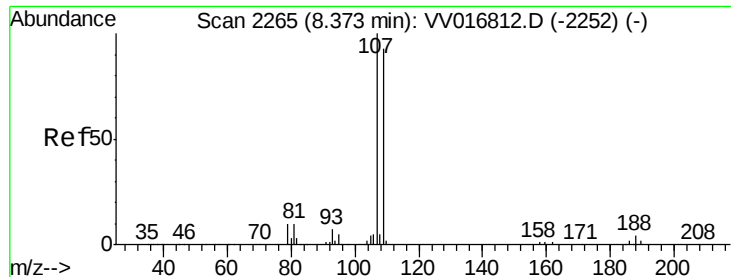
#49
Dibromochloromethane
Concen: 47.173 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016839.D
Acq: 11 Jun 2020 20:03

Tgt Ion: 129 Resp: 130025
Ion Ratio Lower Upper
129 100
127 77.7 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VV016839.D (-2239) (-)
Ion 127.00 (126.70 to 127.70): VV016839.D (-2239) (-)

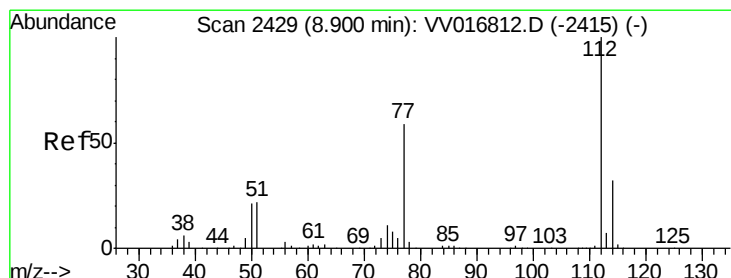
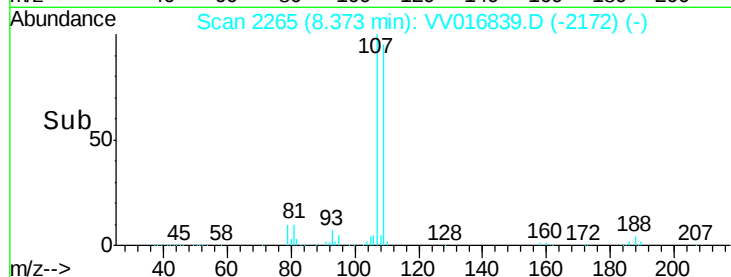
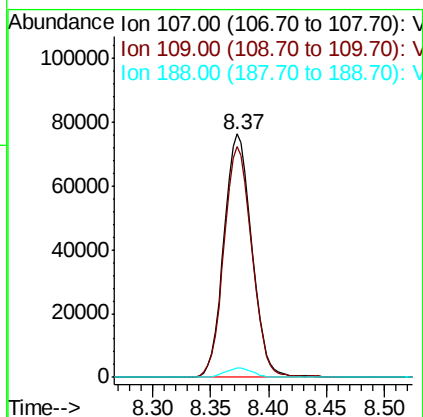
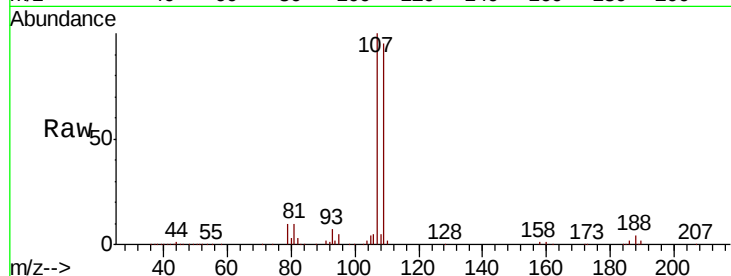




#50
1,2-Dibromoethane
Concen: 46.991 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV016839.D
Acq: 11 Jun 2020 20:03

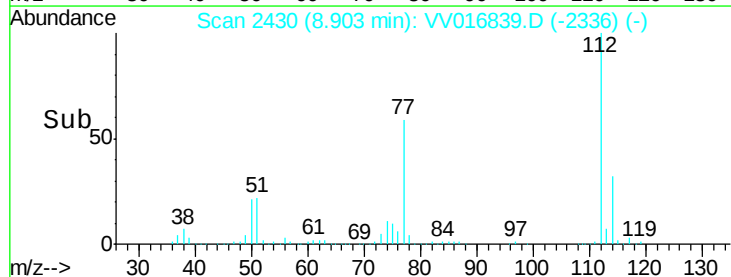
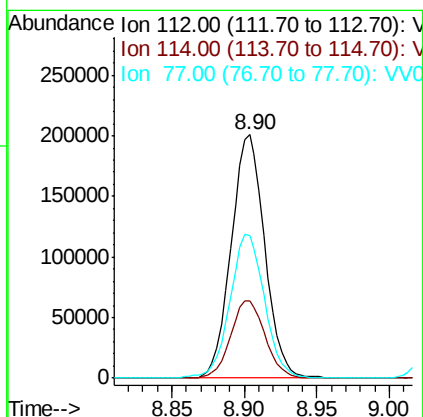
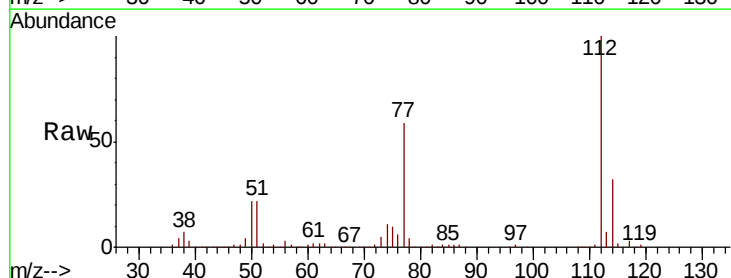
Instrument :
MSVOA_V
ClientSampleId :

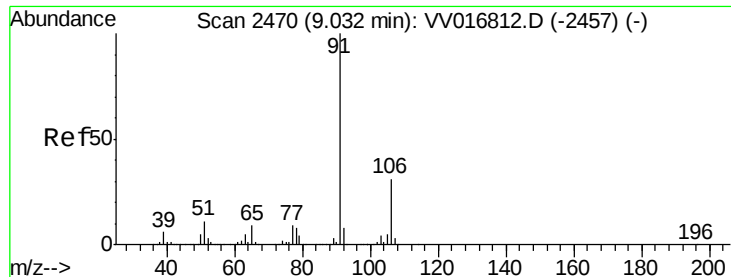
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	66.4	123.2
188	3.8	3.1	4.7



#51
Chlorobenzene
Concen: 45.554 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016839.D
Acq: 11 Jun 2020 20:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.3	41.3
77	58.6	47.9	71.9





#52

Ethylbenzene

Concen: 46.637 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

Instrument :

MSVOA_V

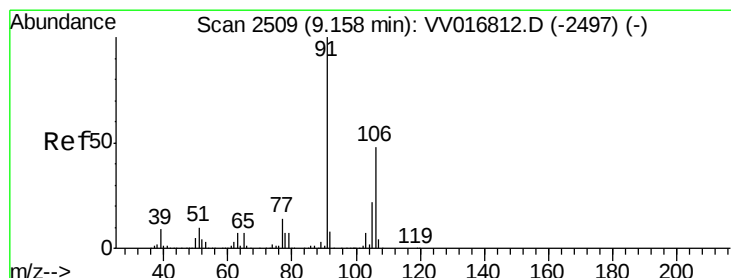
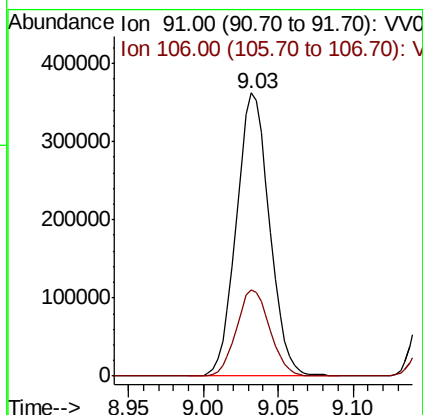
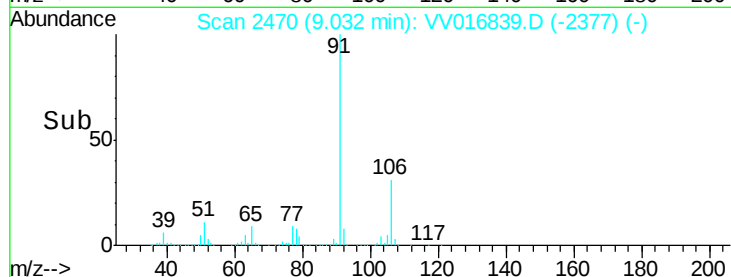
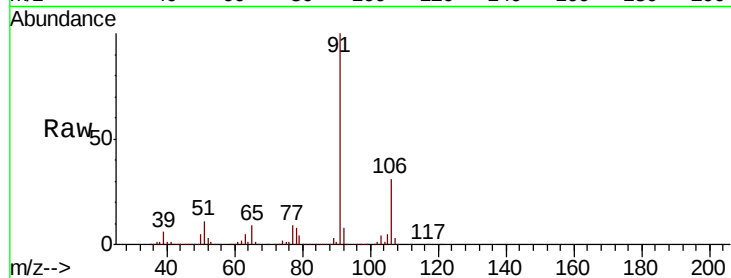
ClientSampled :

Tot Ion: 91 Resp: 559522

Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.1



#53

m,p-Xylene

Concen: 47.621 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016839.D

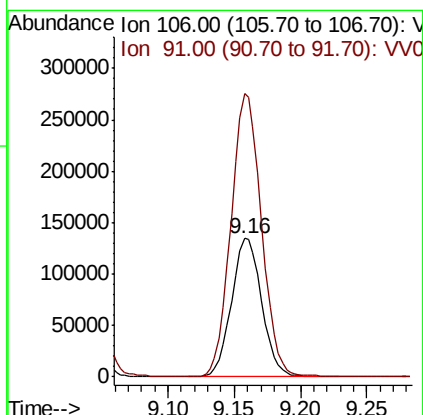
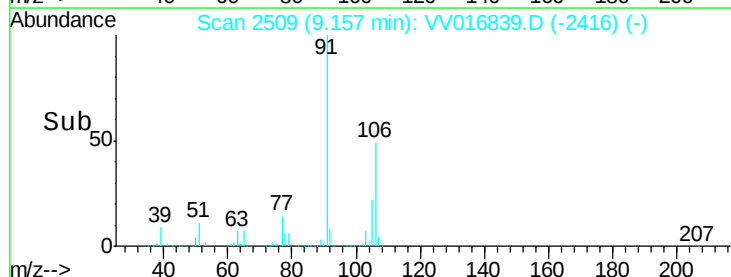
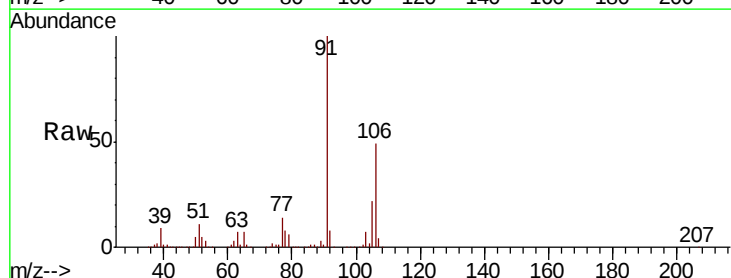
Acq: 11 Jun 2020 20:03

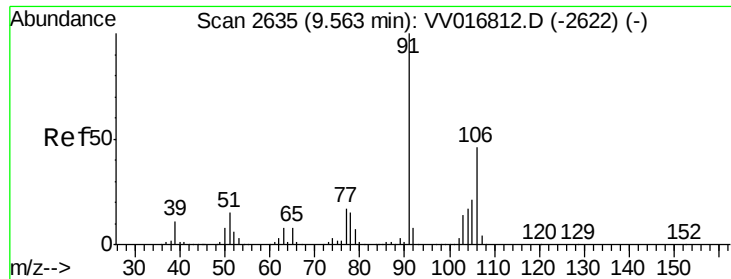
Tgt Ion: 106 Resp: 212723

Ion Ratio Lower Upper

106 100

91 204.8 144.6 268.6





#54

o-xylene

Concen: 47.589 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

Instrument :

MSVOA_V

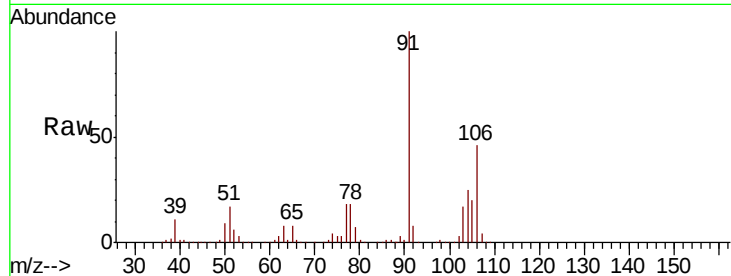
ClientSampleId :

Tot Ion:106 Resp: 209655

Ion Ratio Lower Upper

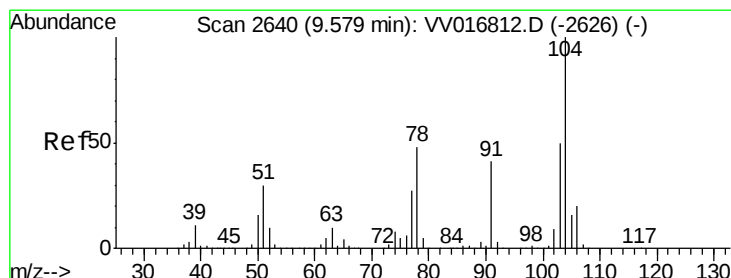
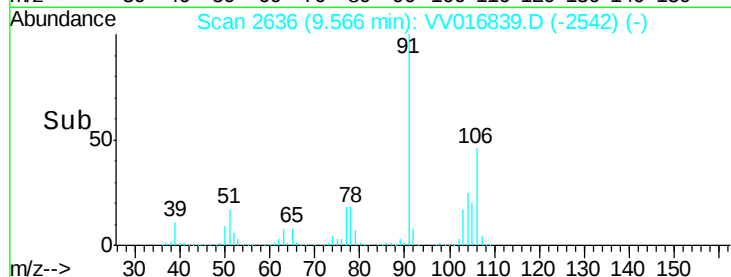
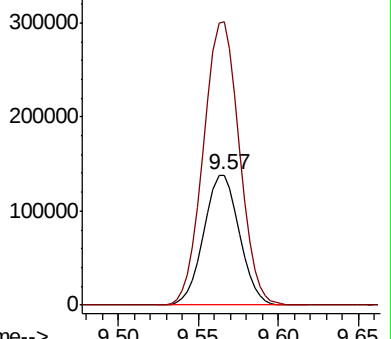
106 100

91 217.2 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 47.942 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016839.D

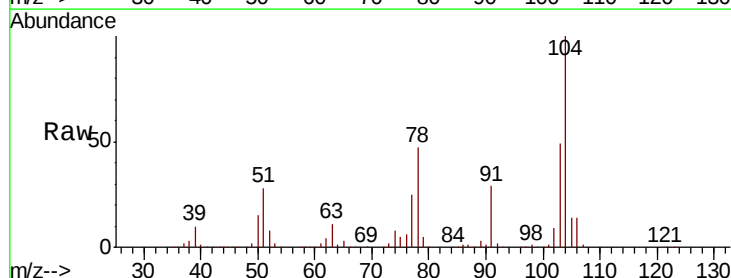
Acq: 11 Jun 2020 20:03

Tgt Ion:104 Resp: 357098

Ion Ratio Lower Upper

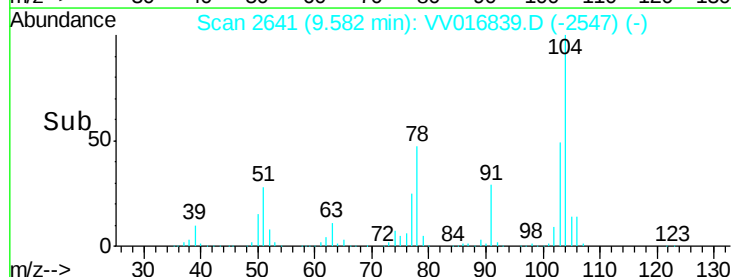
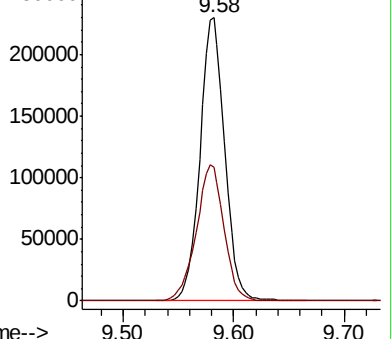
104 100

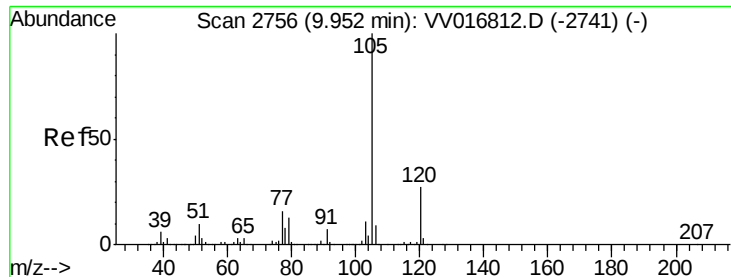
78 47.2 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

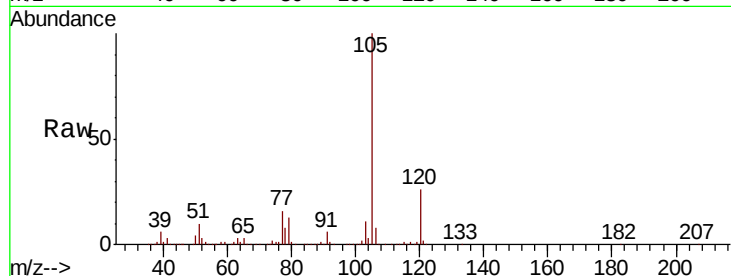




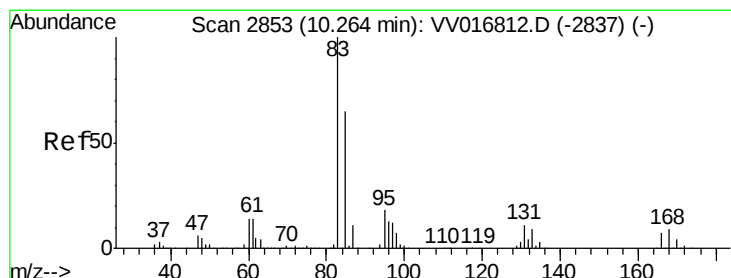
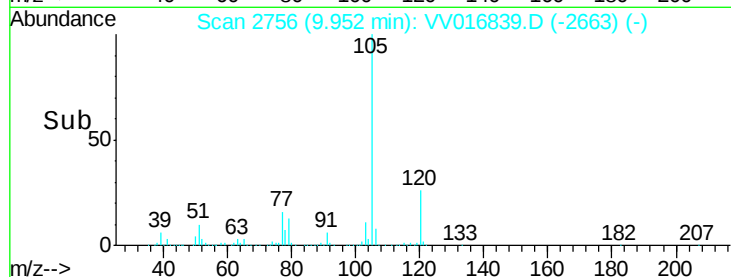
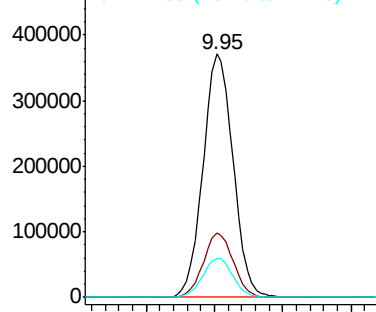
#56
Isopropylbenzene
Concen: 47.885 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV016839.D
Acq: 11 Jun 2020 20:03

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.2	31.8
77	16.1	13.0	19.4

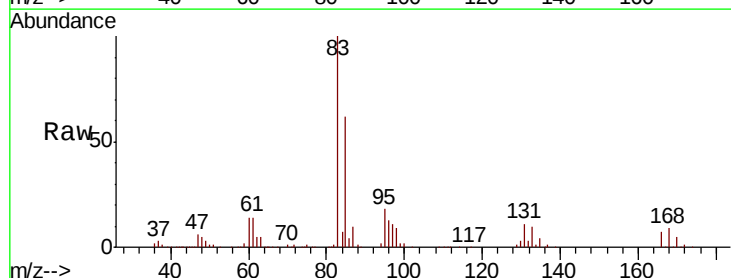


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V

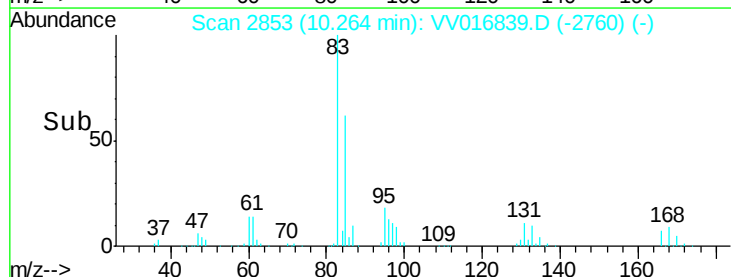
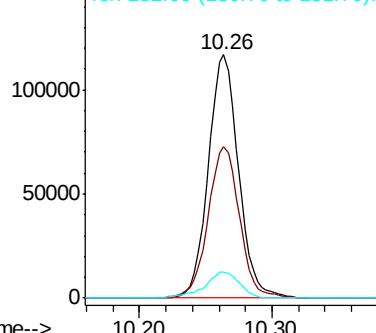


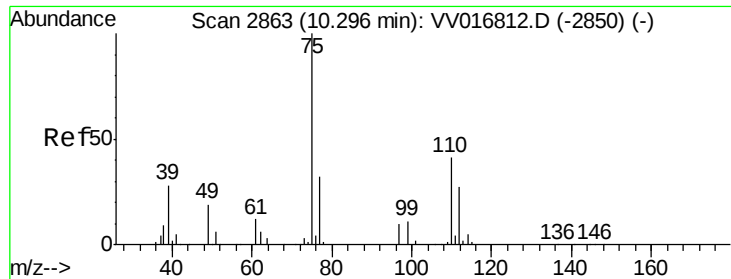
#58
1,1,2,2-Tetrachloroethane
Concen: 46.833 ug/L
RT: 10.26 min Scan# 2853
Delta R.T. -0.00 min
Lab File: VV016839.D
Acq: 11 Jun 2020 20:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	46.8	86.8
131	10.8	7.9	11.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.167 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

Instrument :

MSVOA_V

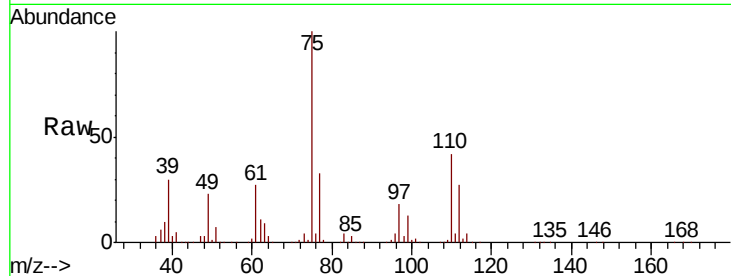
ClientSampleId :

Tot Ion: 75 Resp: 156370

Ion Ratio Lower Upper

75 100

77 33.0 26.1 39.1

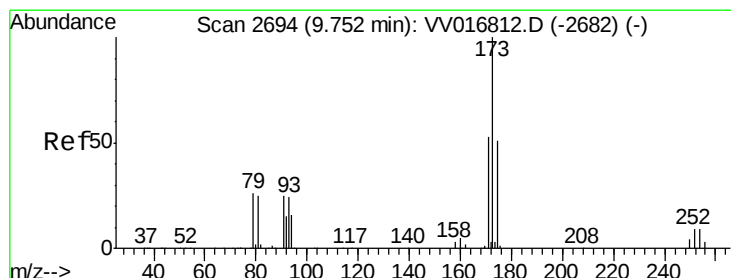
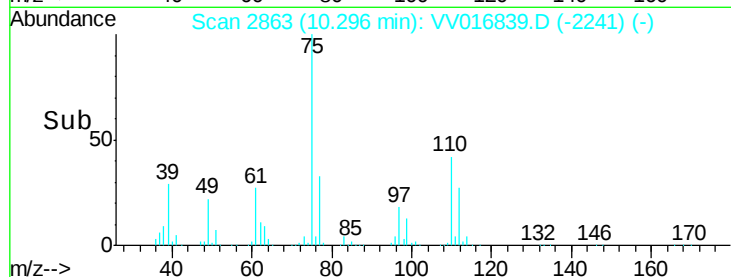
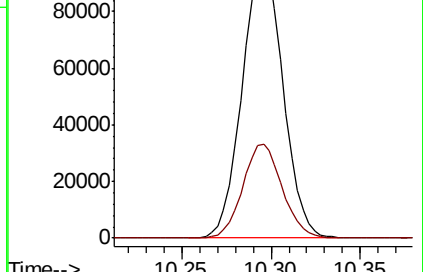


Abundance Ion 75.00 (74.70 to 75.70): VV016812.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV016812.D (-2850) (-)

10.30

10.30



#61

Bromoform

Concen: 47.854 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

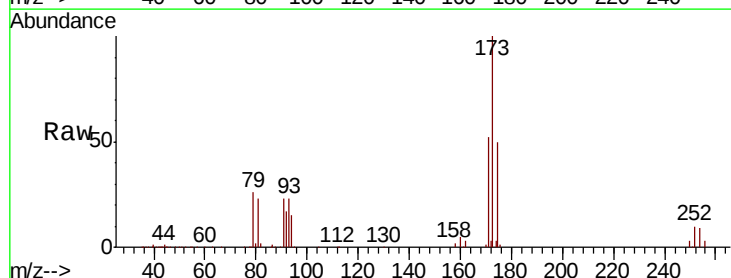
Tgt Ion: 173 Resp: 88501

Ion Ratio Lower Upper

173 100

175 48.0 39.0 58.4

254 9.5 7.6 11.4

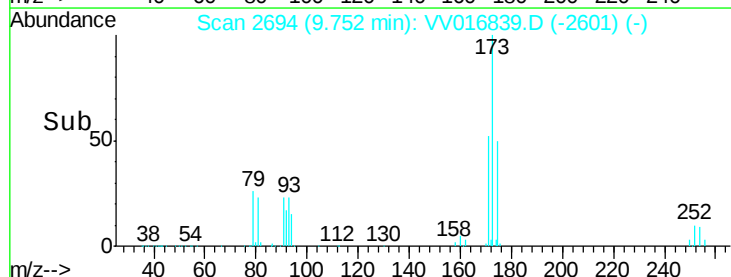
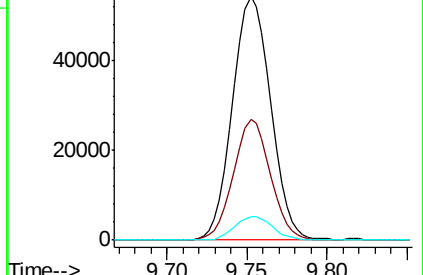


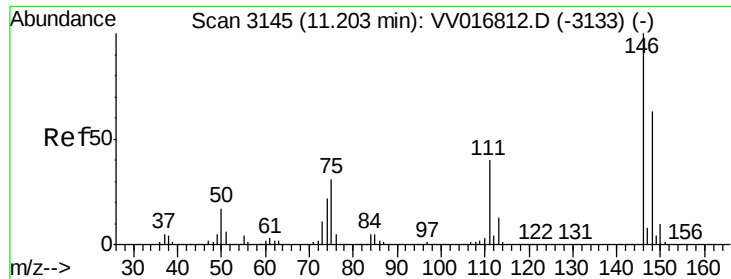
Abundance Ion 173.00 (172.70 to 173.70): VV016812.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV016812.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV016812.D (-2682) (-)

9.75





#62

1,3-Dichlorobenzene

Concen: 46.252 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

Instrument :

MSVOA_V

ClientSampled :

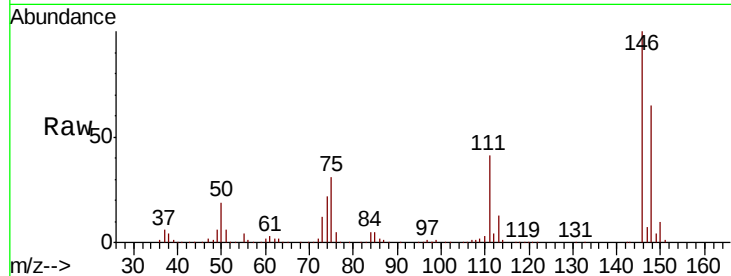
Tot Ion:146 Resp: 263401

Ion Ratio Lower Upper

146 100

111 41.4 28.3 52.7

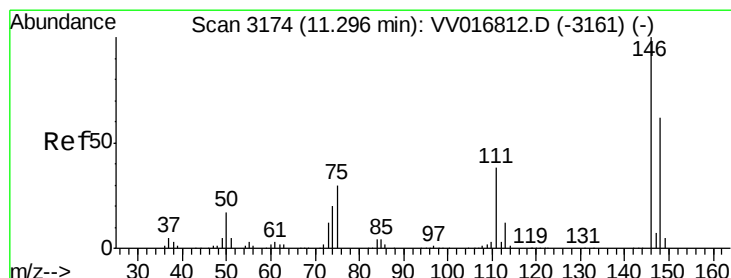
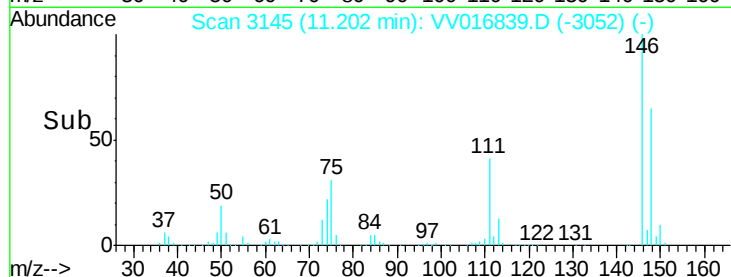
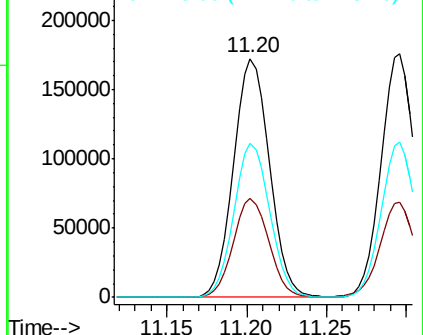
148 64.6 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 45.935 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

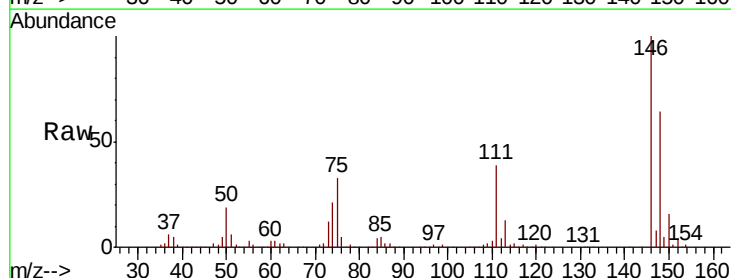
Tgt Ion:146 Resp: 266159

Ion Ratio Lower Upper

146 100

111 39.0 26.7 49.7

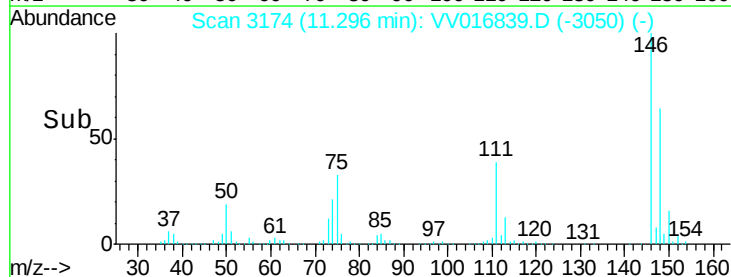
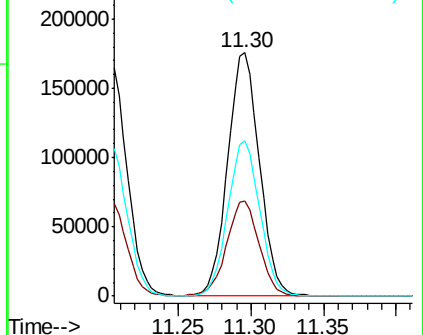
148 63.6 43.5 80.9

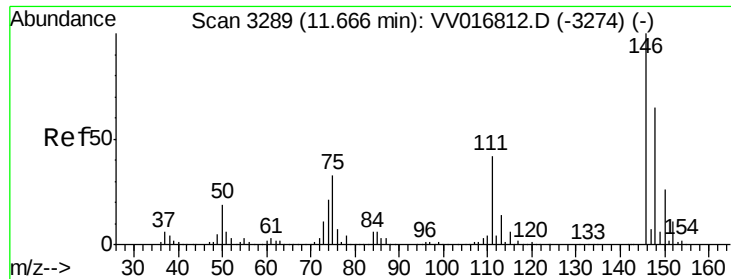


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.981 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

Instrument :

MSVOA_V

ClientSampled :

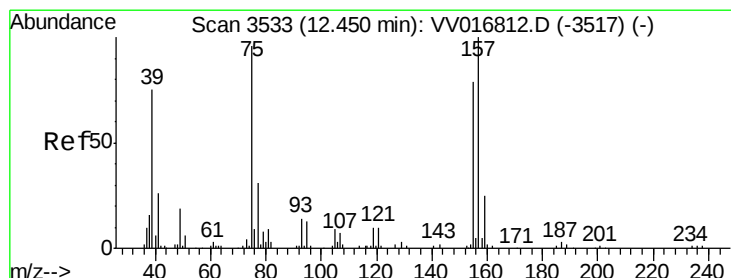
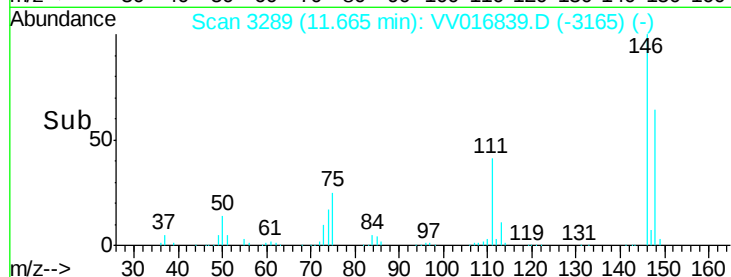
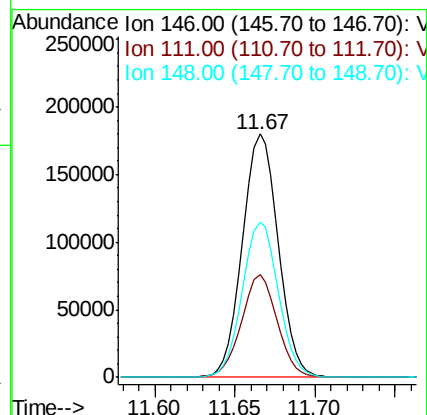
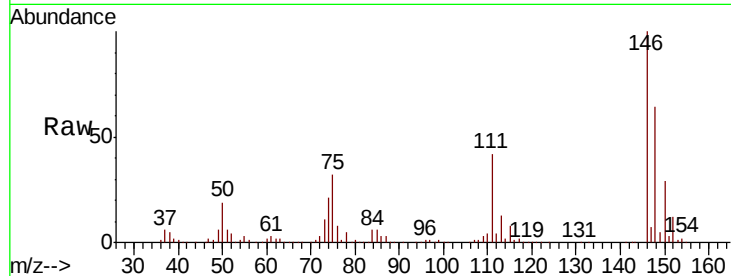
Tot Ion:146 Resp: 273833

Ion Ratio Lower Upper

146 100

111 42.0 33.7 50.5

148 64.0 50.7 76.1



#66

1,2-Dibromo-3-chloropropane

Concen: 47.159 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

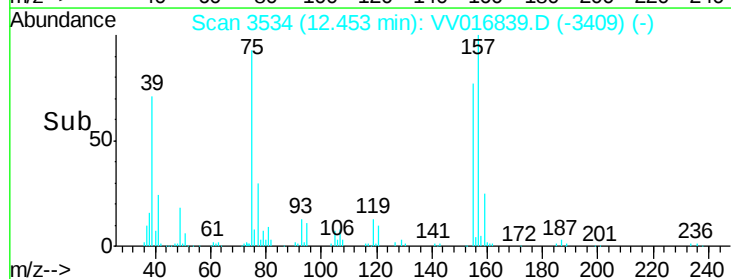
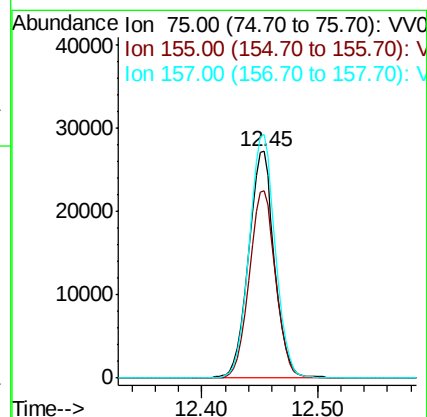
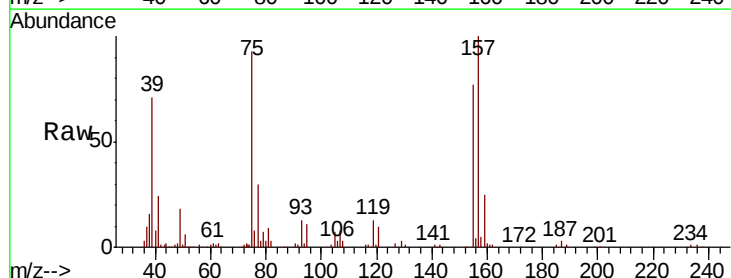
Tgt Ion: 75 Resp: 42320

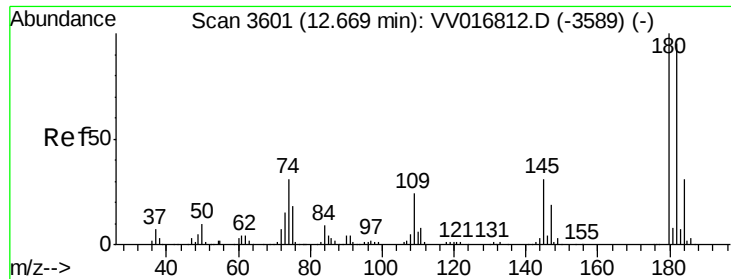
Ion Ratio Lower Upper

75 100

155 82.8 69.8 104.6

157 107.5 83.4 125.2

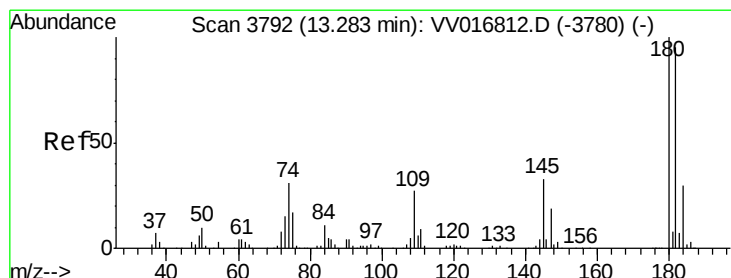
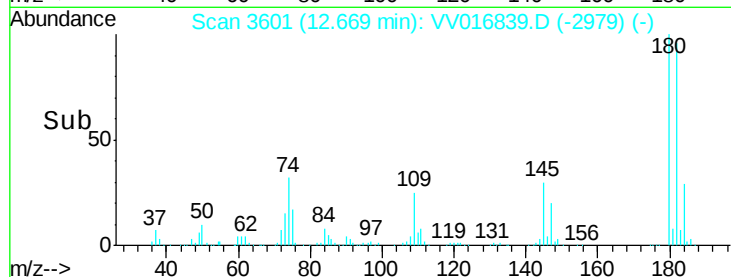
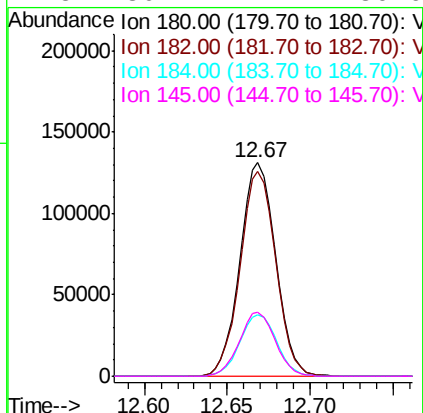
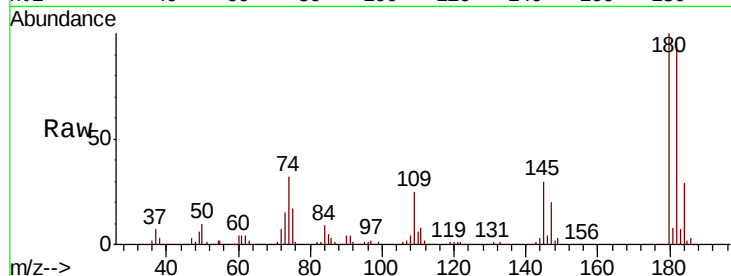




#67
 1,3,5-Trichlorobenzene
 Concen: 46.405 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016839.D
 Acq: 11 Jun 2020 20:03

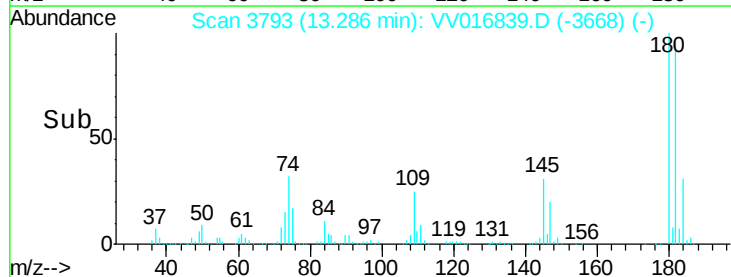
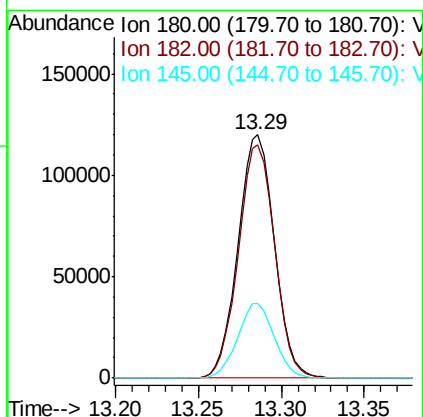
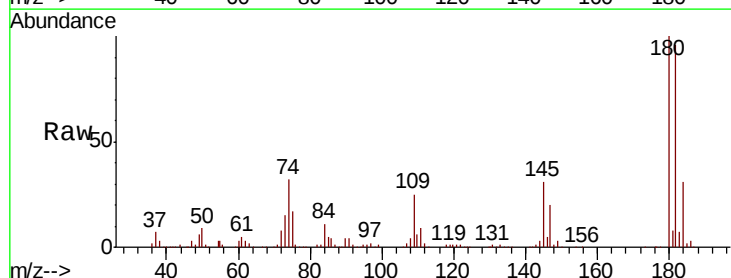
Instrument :
 MSVOA_V
 ClientSampleId :

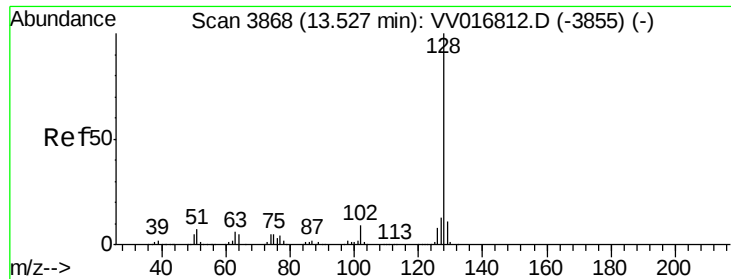
Tot Ion:180	Resp:	197063
Ion Ratio	Lower	Upper
180	100	
182	95.8	75.0 112.6
184	29.6	24.5 36.7
145	30.2	24.4 36.6



#68
 1,2,4-trichlorobenzene
 Concen: 47.005 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016839.D
 Acq: 11 Jun 2020 20:03

Tgt Ion:180	Resp:	183090
Ion Ratio	Lower	Upper
180	100	
182	95.9	76.9 115.3
145	30.9	25.2 37.8





#69

Naphthalene

Concen: 49.886 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

Instrument :

MSVOA_V

ClientSampleId :

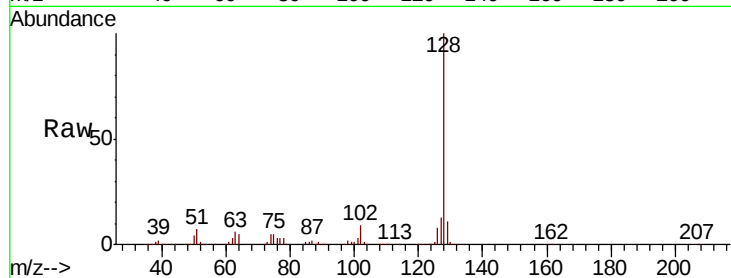
Tot Ion:128 Resp: 558939

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

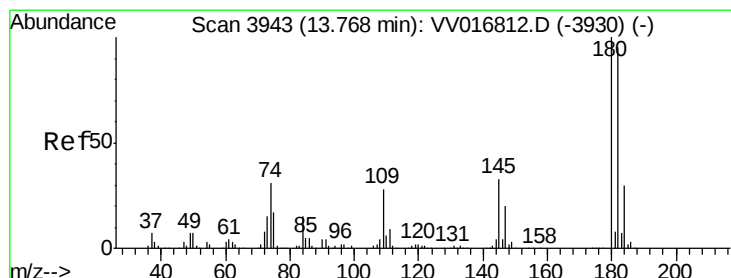
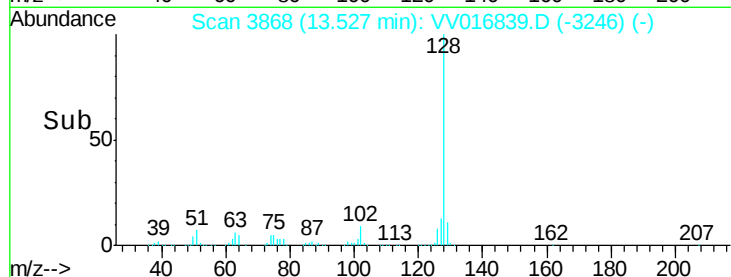
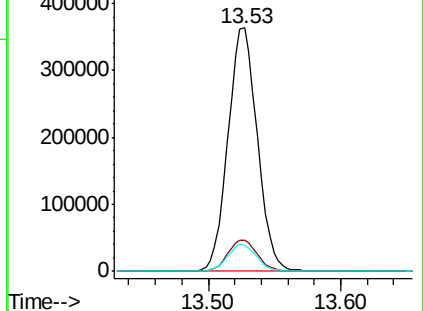
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.421 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV016839.D

Acq: 11 Jun 2020 20:03

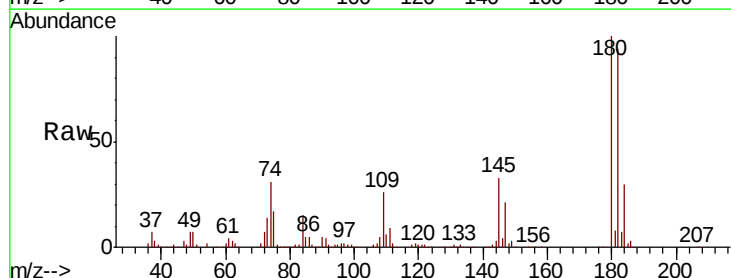
Tgt Ion:180 Resp: 184544

Ion Ratio Lower Upper

180 100

182 94.3 76.5 114.7

145 33.1 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

