

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081820\
 Data File : VV018041.D
 Acq On : 18 Aug 2020 09:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 19 07:45:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 18 14:19:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	300094	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	296093	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	161057	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95225	41.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.18%
7) Chloroethane-d5	1.58	69	81328	43.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.84%
11) 1,1-Dichloroethene-d2	2.12	63	188276	42.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.98%
21) 2-Butanone-d5	3.91	46	125431	83.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.64%
24) Chloroform-d	4.37	84	183368	43.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.98%
26) 1,2-Dichloroethane-d4	5.05	65	118193	43.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.32%
32) Benzene-d6	5.07	84	350616	42.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.94%
36) 1,2-Dichloropropane-d6	6.09	67	114968	43.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.18%
41) Toluene-d8	7.33	98	322060	43.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.78%
43) trans-1,3-Dichloropropene-	7.64	79	57094	47.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.38%
47) 2-Hexanone-d5	8.11	63	70650	82.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.52%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	144918	41.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.44%
64) 1,2-Dichlorobenzene-d4	11.65	152	135169	42.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	96320	41.574	ug/L 100
3) Chloromethane	1.25	50	109567	40.711	ug/L 99
5) Vinyl chloride	1.32	62	113083	42.409	ug/L 99
6) Bromomethane	1.53	94	65154	40.882	ug/L 99
8) Chloroethane	1.60	64	73720	43.315	ug/L 99
9) Trichlorofluoromethane	1.77	101	163440	42.909	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	95150	44.739	ug/L 99
12) 1,1-Dichloroethene	2.13	96	87884	43.658	ug/L 98
13) Acetone	2.19	43	152540	98.479	ug/L 99
14) Carbon disulfide	2.31	76	247624	44.694	ug/L 100
15) Methyl Acetate	2.44	43	102652	41.066	ug/L 98
16) Methylene chloride	2.52	84	101378	39.530	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	92068	44.493	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	299774	43.805	ug/L 99
19) 1,1-Dichloroethane	3.21	63	180110	43.288	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	101349	44.570	ug/L 99
22) 2-Butanone	3.99	43	162513	93.523	ug/L 99

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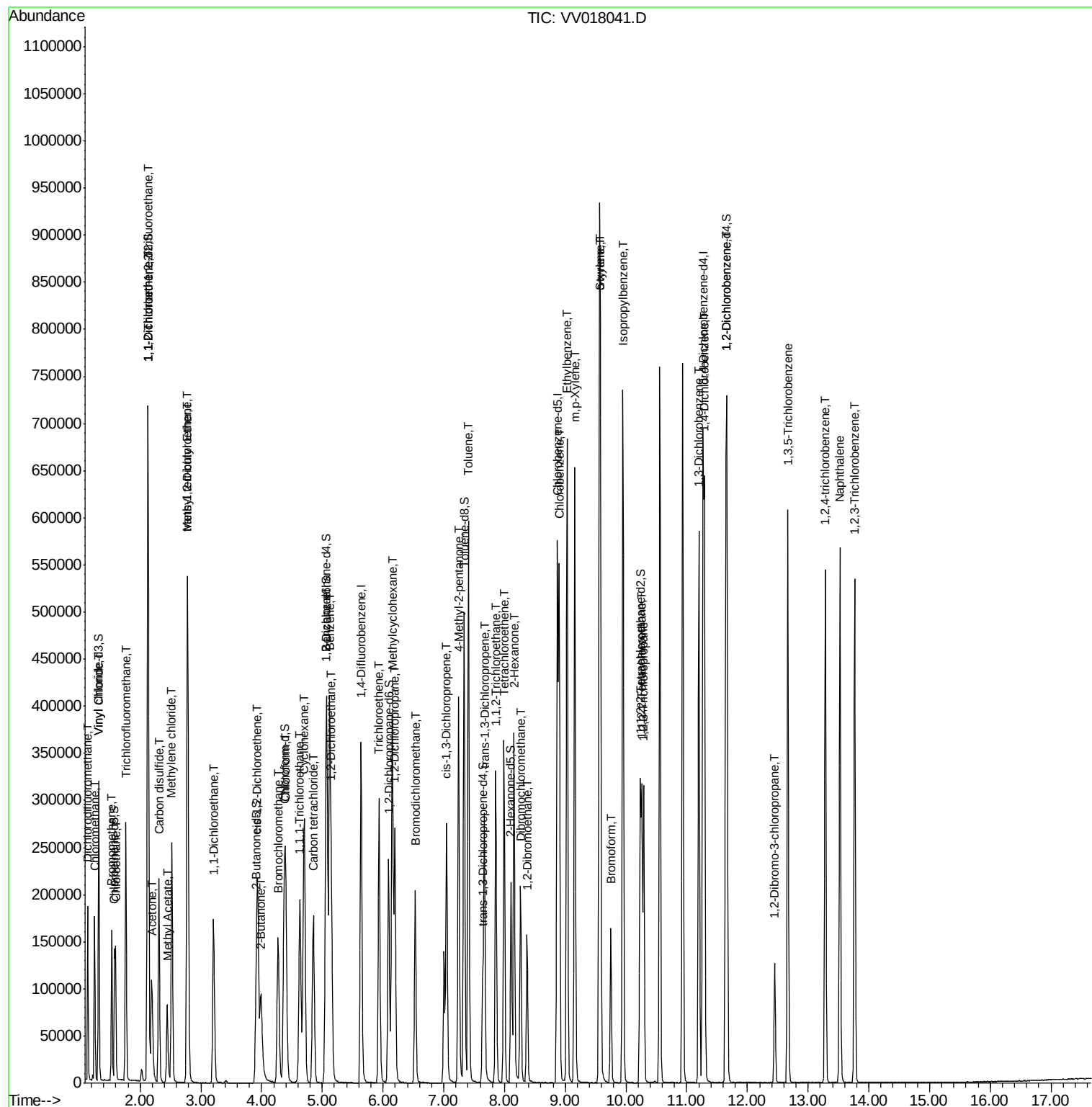
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	53026	44.638	ug/L	97
25) Chloroform	4.40	83	185575	43.728	ug/L	100
27) 1,2-Dichloroethane	5.15	62	144538	42.789	ug/L	99
29) Cyclohexane	4.70	56	155460	43.502	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	156826	43.221	ug/L	99
31) Carbon tetrachloride	4.85	117	135091	44.723	ug/L	100
33) Benzene	5.12	78	394171	43.029	ug/L	100
34) Trichloroethene	5.94	95	104891	43.318	ug/L	99
35) Methylcyclohexane	6.15	83	159827	44.389	ug/L	100
37) 1,2-Dichloropropane	6.19	63	107333	42.964	ug/L	99
38) Bromodichloromethane	6.53	83	136862	44.105	ug/L	99
39) cis-1,3-Dichloropropene	7.04	75	162963	46.015	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	269969	82.665	ug/L	99
42) Toluene	7.41	91	418287	43.759	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	156784	46.659	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	99514	43.014	ug/L	98
46) Tetrachloroethene	7.99	164	82299	46.343	ug/L	98
48) 2-Hexanone	8.15	43	228752	86.862	ug/L	99
49) Dibromochloromethane	8.26	129	105852	46.874	ug/L	99
50) 1,2-Dibromoethane	8.37	107	102168	42.683	ug/L	96
51) Chlorobenzene	8.90	112	271292	44.128	ug/L	99
52) Ethylbenzene	9.03	91	464736	44.589	ug/L	100
53) m,p-Xylene	9.16	106	176228	45.971	ug/L	97
54) o-xylene	9.56	106	167410	44.191	ug/L	99
55) Styrene	9.58	104	299654	46.190	ug/L	99
56) Isopropylbenzene	9.95	105	454017	45.429	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	146667	40.711	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	126285	40.931	ug/L	99
61) Bromoform	9.75	173	72274	47.426	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	226172	44.161	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	230998	43.906	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	225767	42.828	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	31252	40.238	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	180588	46.417	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	165047	48.252	ug/L	98
69) Naphthalene	13.52	128	421092	44.664	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	162054	46.587	ug/L	100

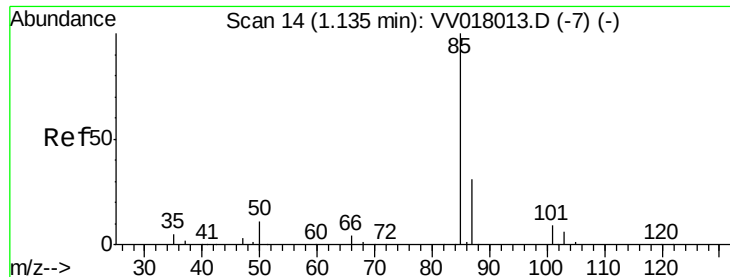
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 41.574 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

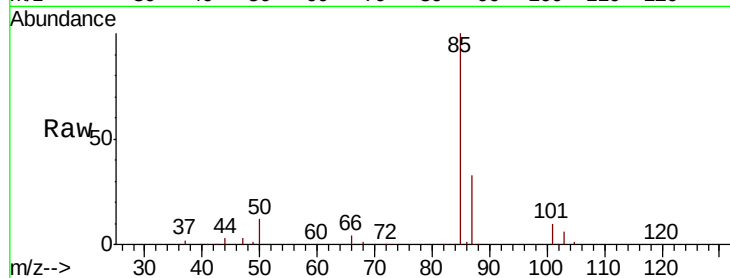
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 96320

Ion Ratio Lower Upper

85 100

87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV018041.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV018041.D (-1) (-)

1.14

120000

100000

80000

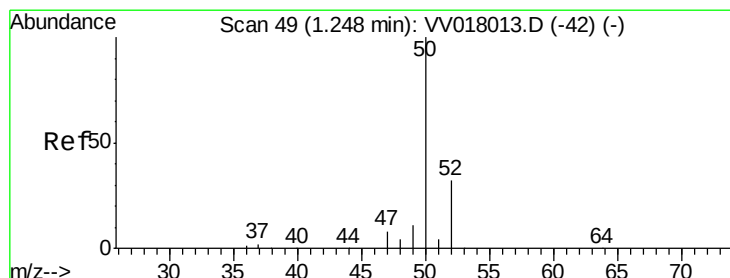
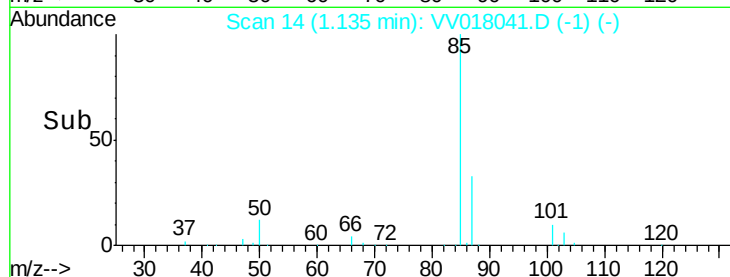
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 40.711 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018041.D

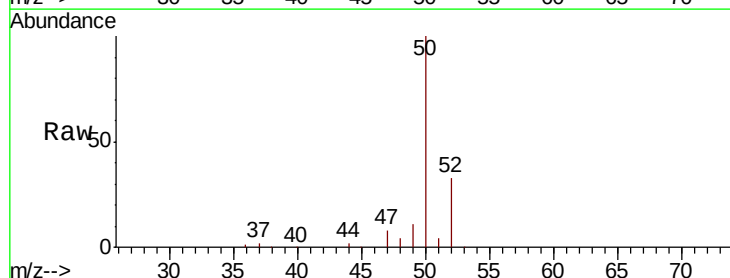
Acq: 18 Aug 2020 09:44

Tgt Ion: 50 Resp: 109567

Ion Ratio Lower Upper

50 100

52 32.7 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV018041.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV018041.D (-1) (-)

1.25

120000

100000

80000

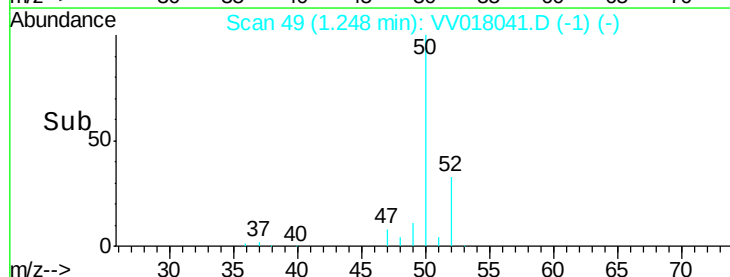
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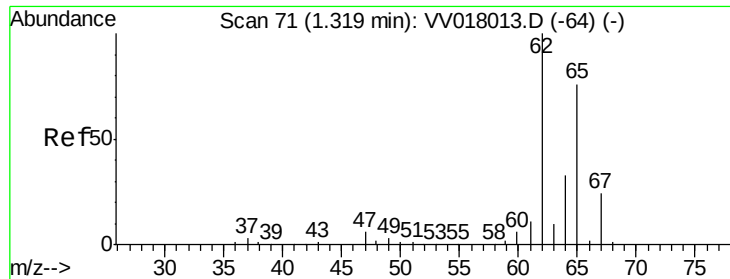
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 42.409 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

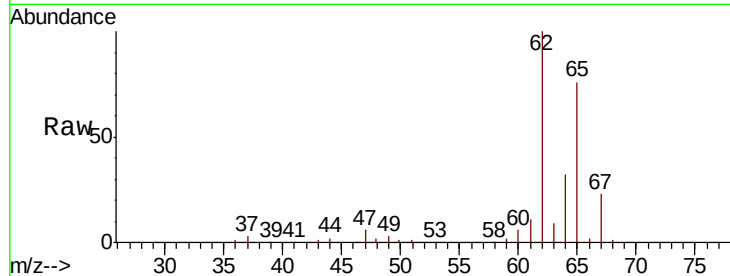
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 113083

Ion Ratio Lower Upper

62 100

64 32.4 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

120000

100000

80000

60000

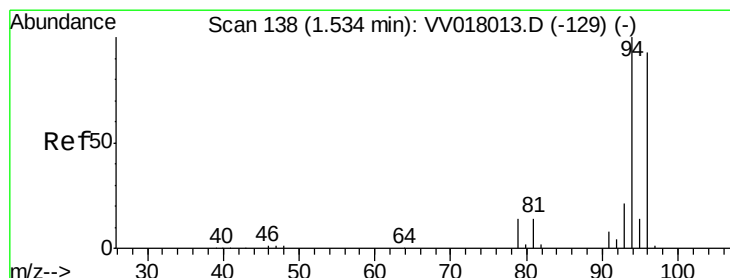
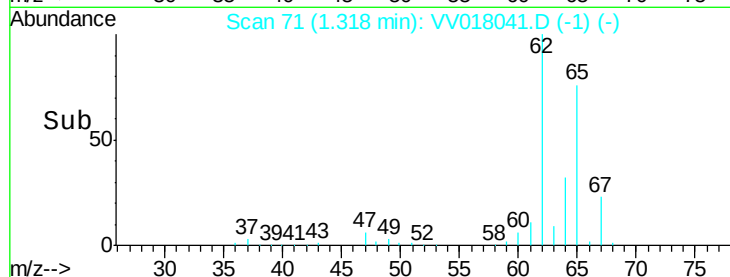
40000

20000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 40.882 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018041.D

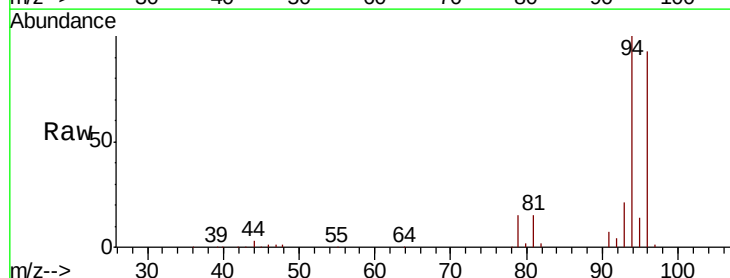
Acq: 18 Aug 2020 09:44

Tgt Ion: 94 Resp: 65154

Ion Ratio Lower Upper

94 100

96 92.6 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

60000

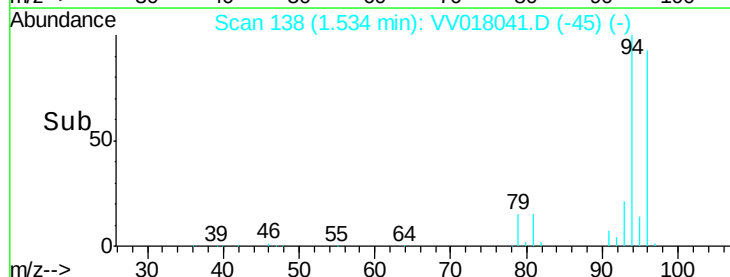
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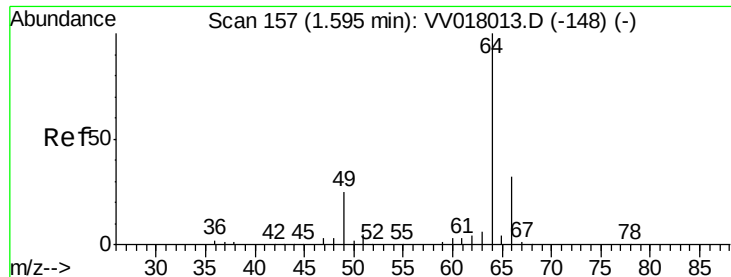
20000

0

Time-->

1.50 1.55 1.60

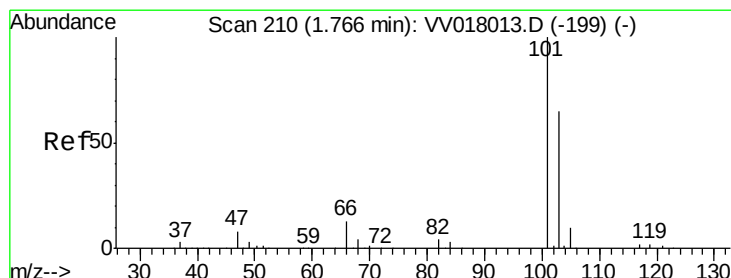
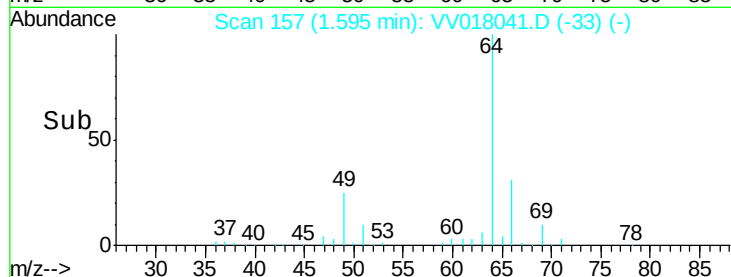
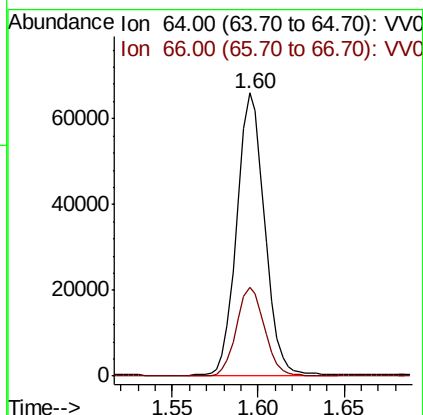
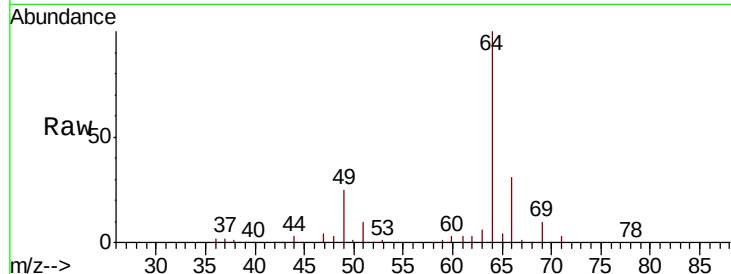




#8
Chloroethane
Concen: 43.315 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV018041.D
Acq: 18 Aug 2020 09:44

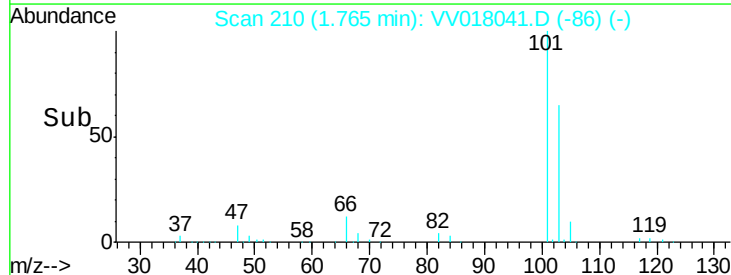
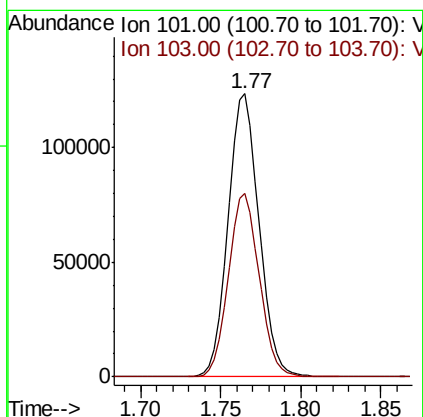
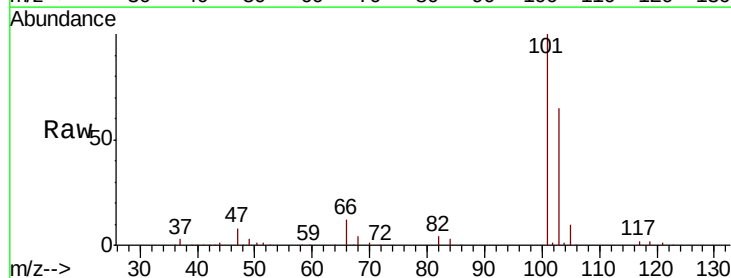
Instrument :
MSVOA_V
ClientSampleId :

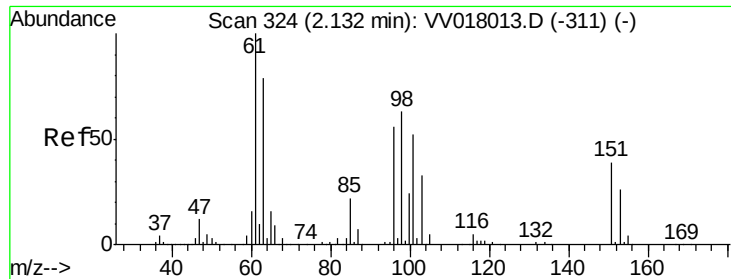
Tot Ion: 64 Resp: 73720
Ion Ratio Lower Upper
64 100
66 31.3 22.3 41.3



#9
Trichlorofluoromethane
Concen: 42.909 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV018041.D
Acq: 18 Aug 2020 09:44

Tgt Ion:101 Resp: 163440
Ion Ratio Lower Upper
101 100
103 64.5 51.5 77.3





#10

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

Concen: 44.739 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

Instrument :

MSVOA_V

ClientSampleId :

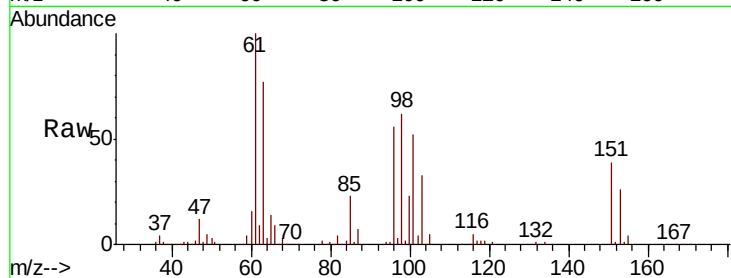
Tot Ion:101 Resp: 95150

Ion Ratio Lower Upper

101 100

85 43.1 34.9 52.3

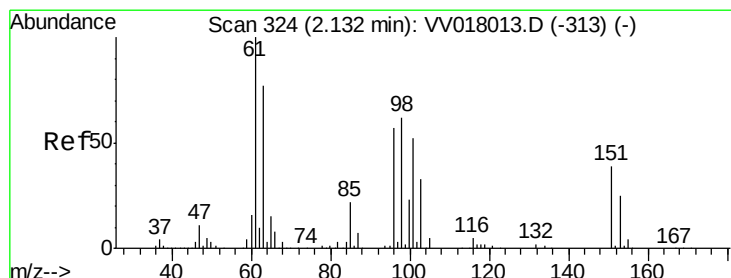
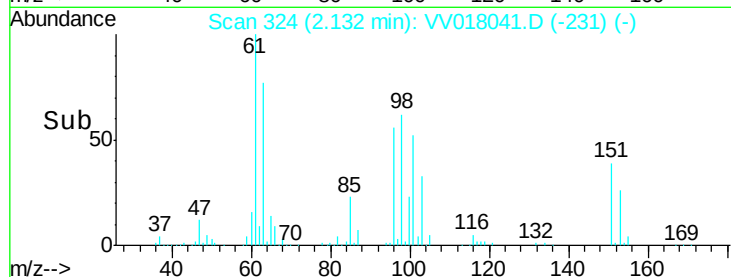
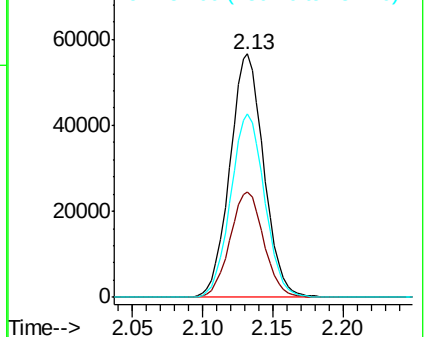
151 75.5 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 43.658 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

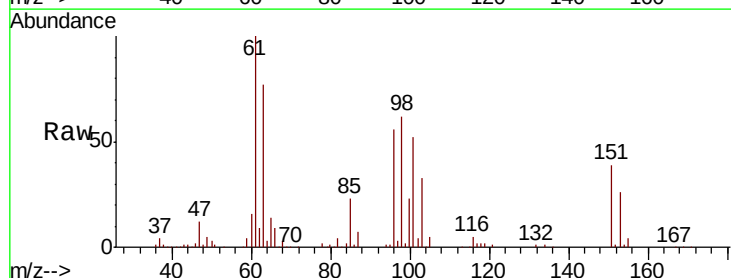
Tgt Ion: 96 Resp: 87884

Ion Ratio Lower Upper

96 100

61 177.7 127.1 236.0

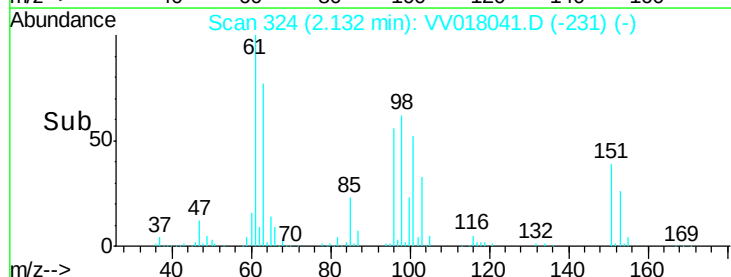
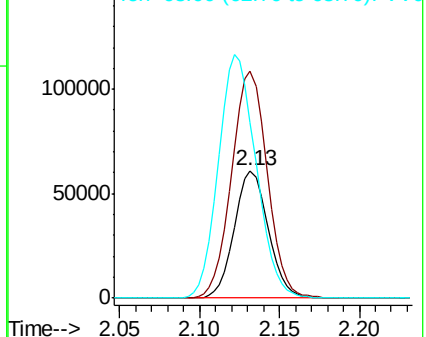
63 137.2 95.2 176.8

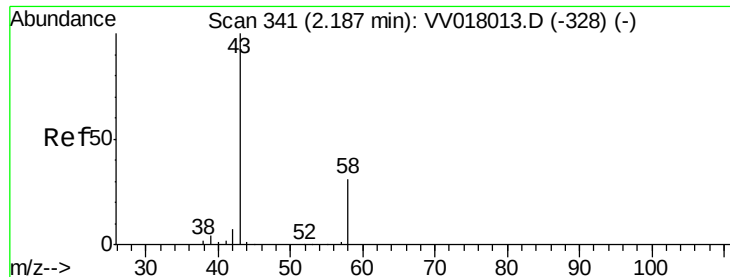


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 98.479 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

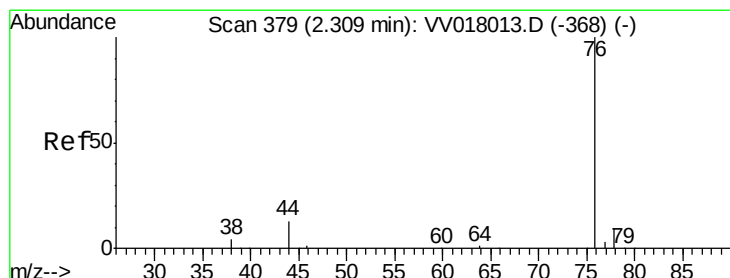
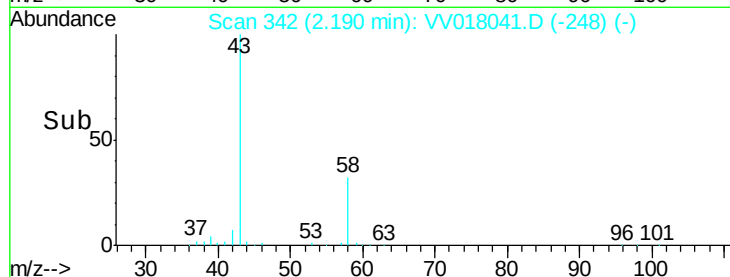
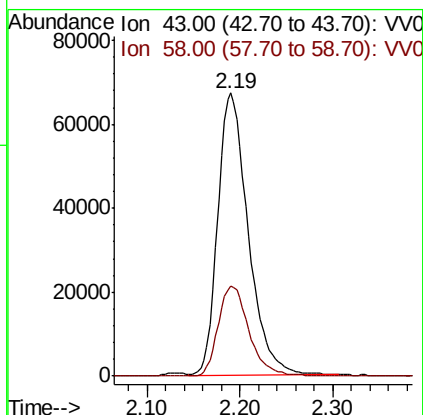
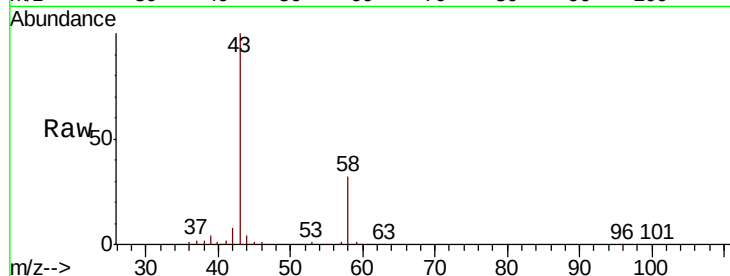
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 152540

Ion Ratio Lower Upper

43 100

58 32.3 0.0 63.6



#14

Carbon disulfide

Concen: 44.694 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018041.D

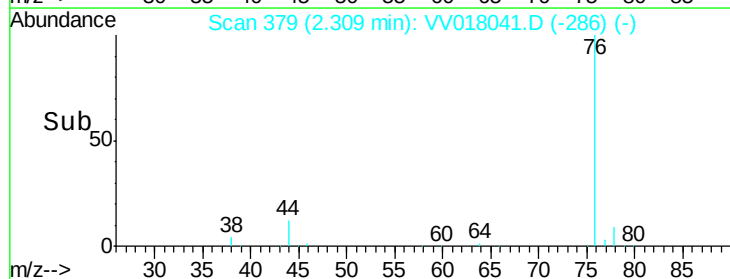
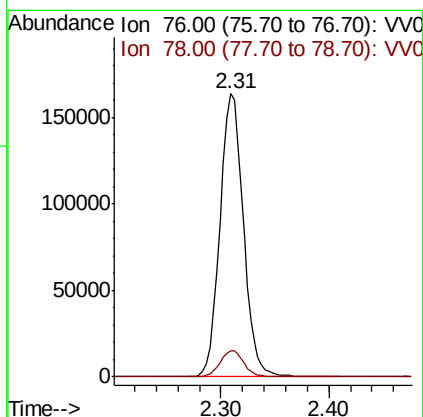
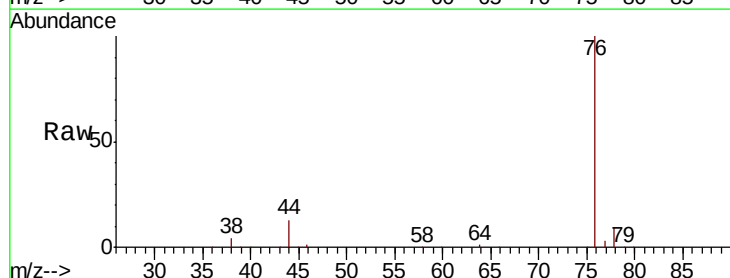
Acq: 18 Aug 2020 09:44

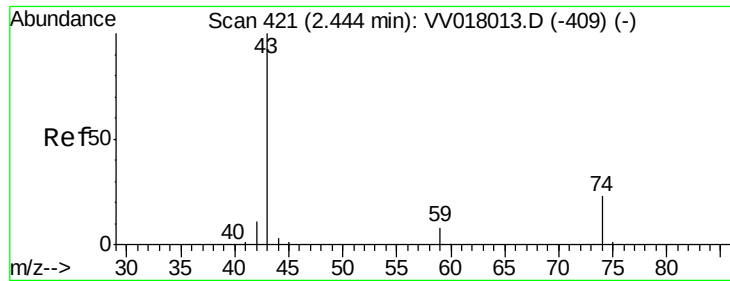
Tgt Ion: 76 Resp: 247624

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

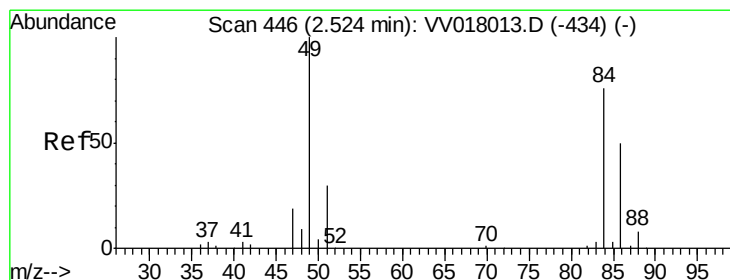
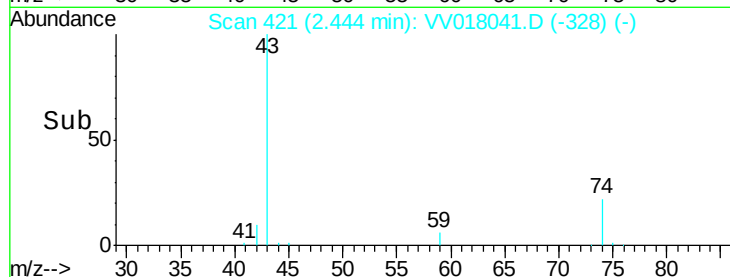
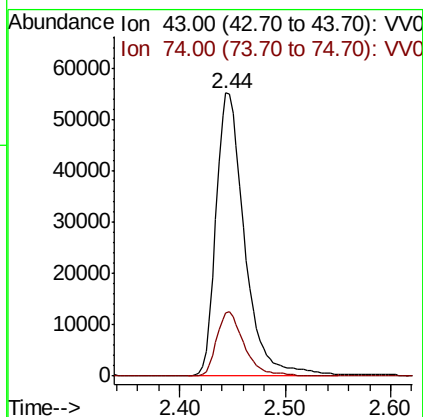
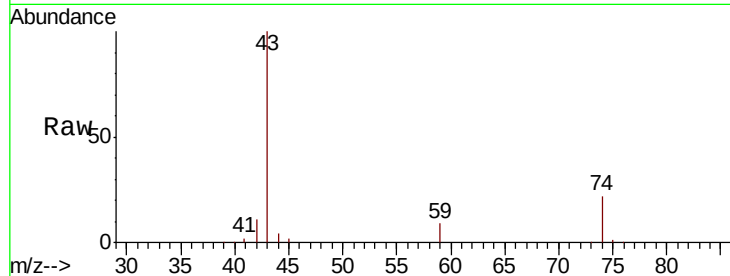




#15
Methvl Acetate
Concen: 41.066 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV018041.D
Acq: 18 Aug 2020 09:44

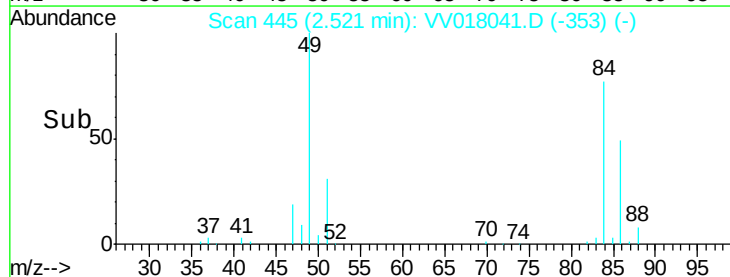
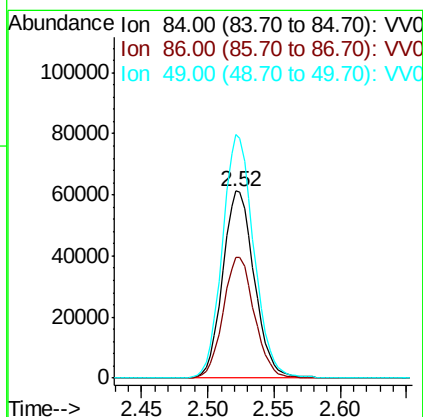
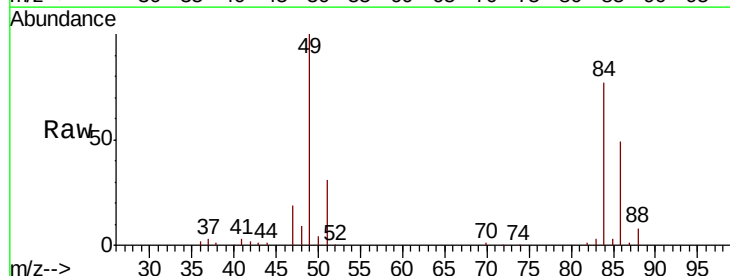
Instrument :
MSVOA_V
ClientSampleId :

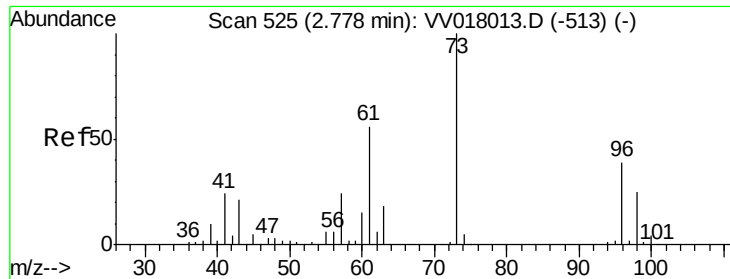
Tot Ion: 43 Resp: 102652
Ion Ratio Lower Upper
43 100
74 22.3 18.4 27.6



#16
Methylene chloride
Concen: 39.530 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018041.D
Acq: 18 Aug 2020 09:44

Tgt Ion: 84 Resp: 101378
Ion Ratio Lower Upper
84 100
86 64.3 46.3 85.9
49 130.0 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 44.493 ug/L

RT: 2.78 min Scan# 525

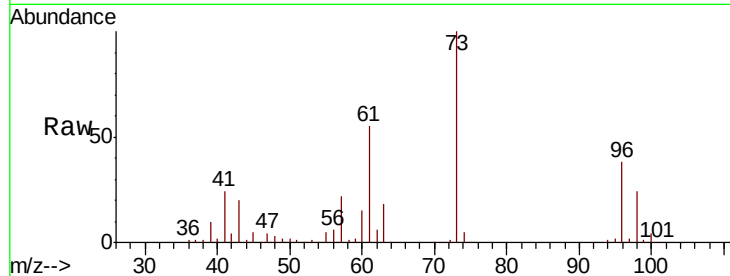
Delta R.T. -0.00 min

Lab File: VV018041.D

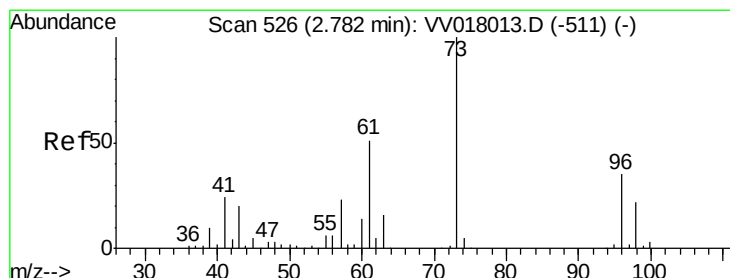
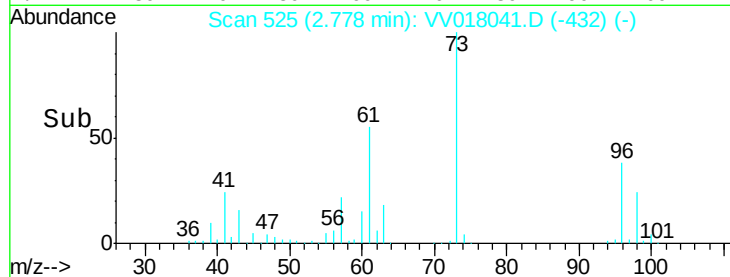
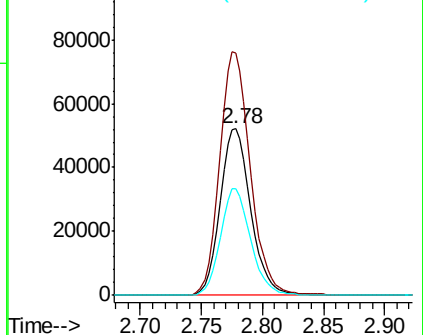
Acq: 18 Aug 2020 09:44

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	96	Resp:	92068
Ion	Ratio	Lower	Upper
96	100		
61	145.2	102.4	190.2
98	64.3	44.4	82.5



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: 43.805 ug/L

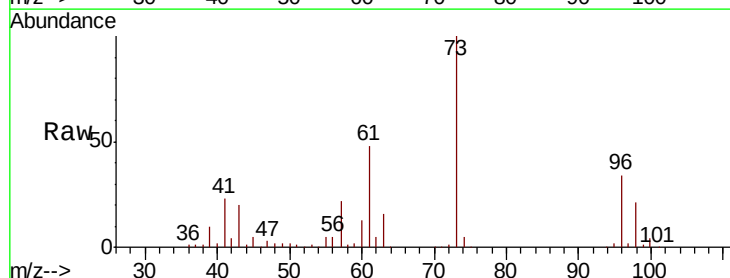
RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

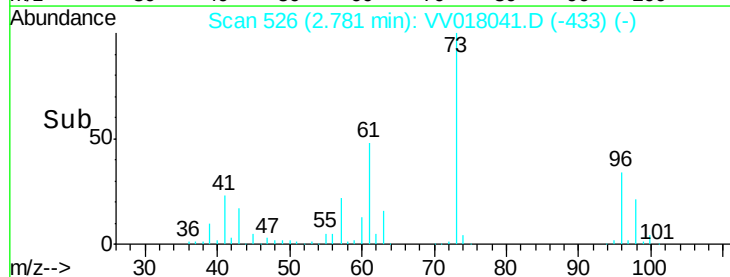
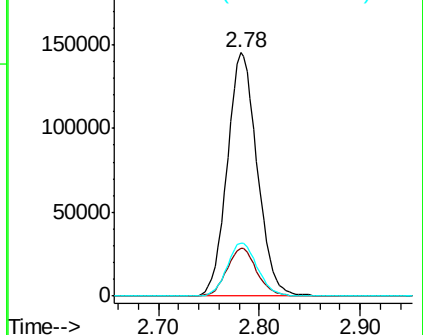
Lab File: VV018041.D

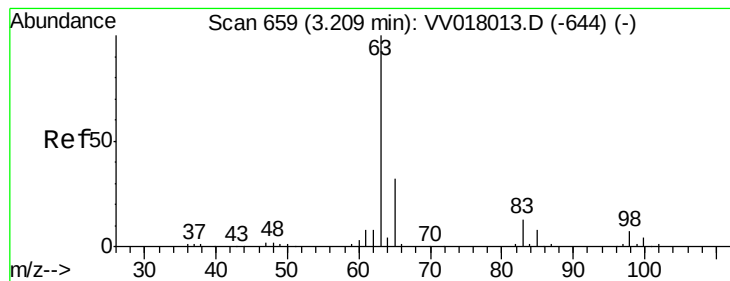
Acq: 18 Aug 2020 09:44

Tgt Ion:	73	Resp:	299774
Ion	Ratio	Lower	Upper
73	100		
43	19.6	15.9	23.9
57	22.2	18.1	27.1



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: 43.288 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

Instrument :
MSVOA_V
ClientSampled :

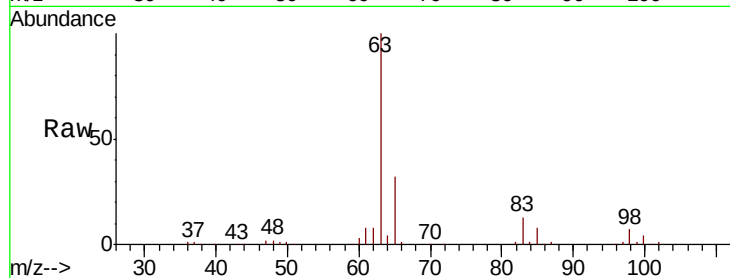
Tot Ion: 63 Resp: 180110

Ion Ratio Lower Upper

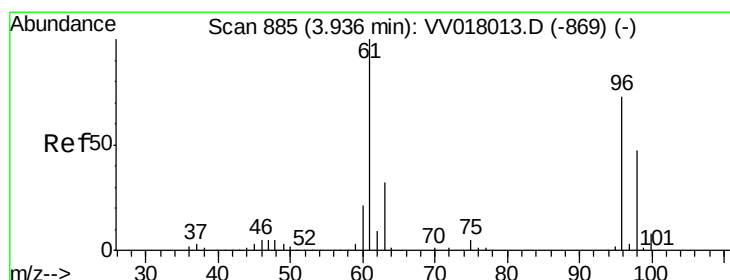
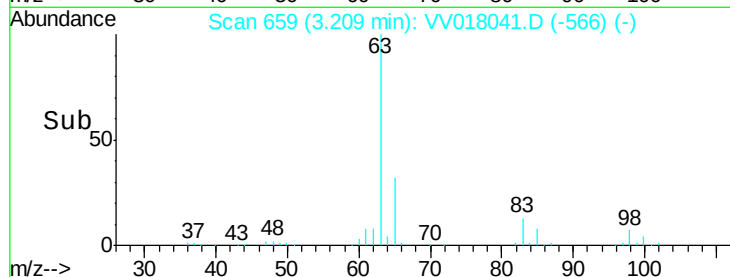
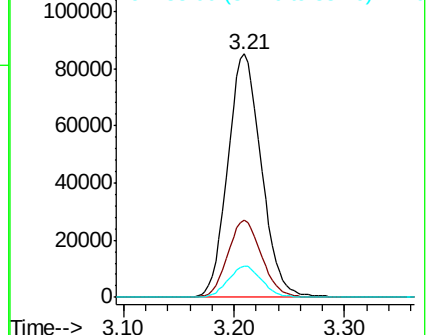
63 100

65 31.6 22.5 41.7

83 12.9 9.2 17.2



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: 44.570 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

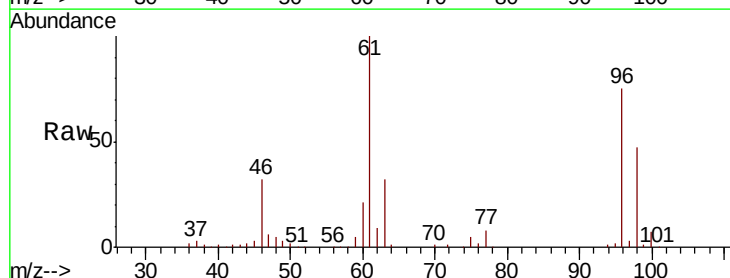
Tgt Ion: 96 Resp: 101349

Ion Ratio Lower Upper

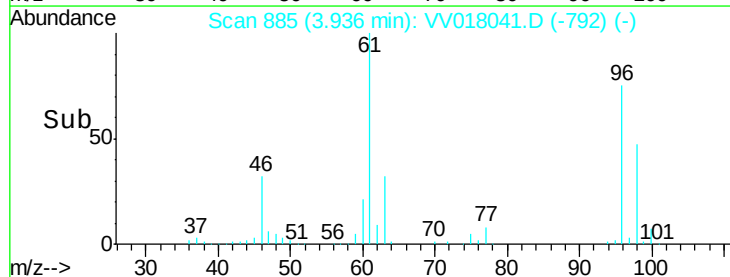
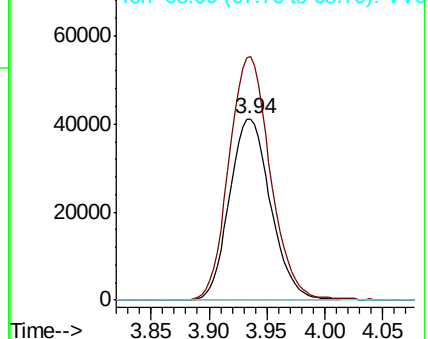
96 100

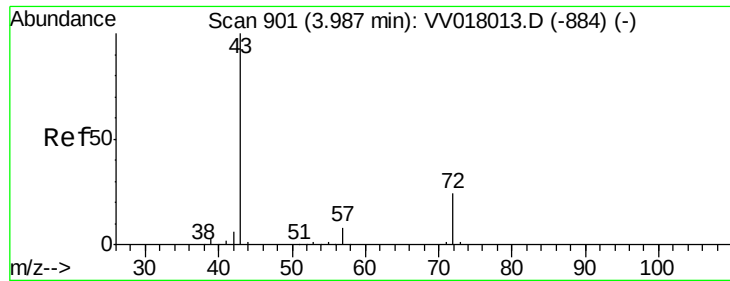
61 134.2 95.0 176.4

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: 93.523 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

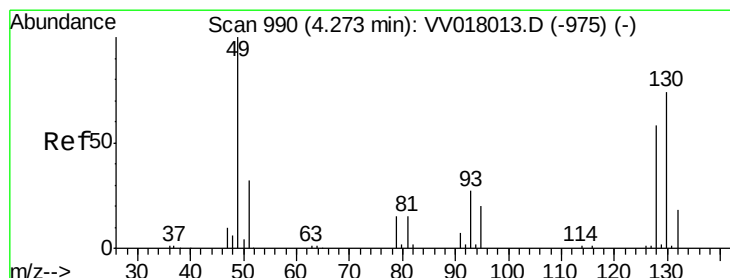
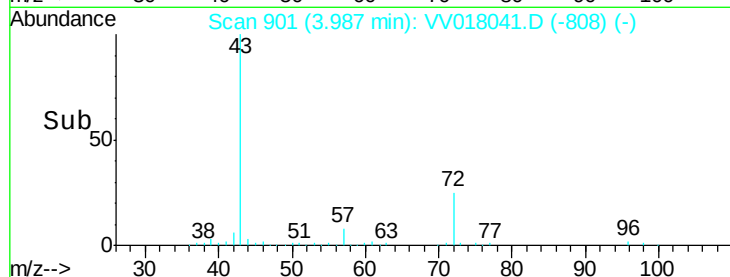
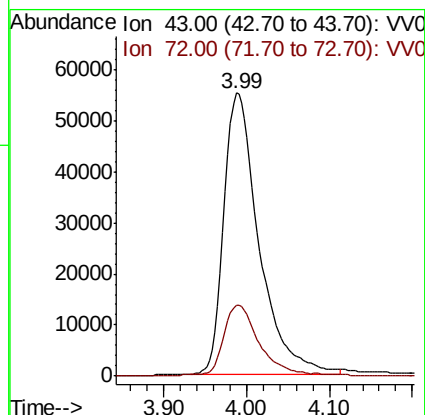
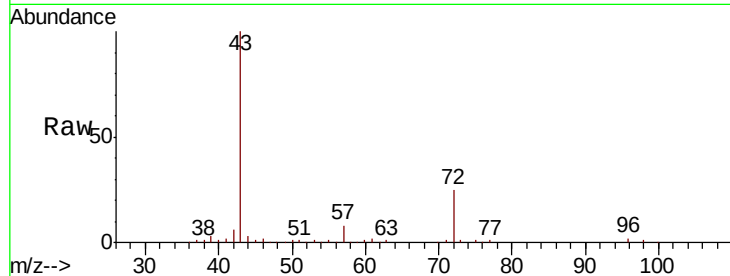
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 162513

Ion Ratio Lower Upper

43 100

72 25.7 12.7 38.0



#23

Bromochloromethane

Concen: 44.638 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

Tgt Ion: 128 Resp: 53026

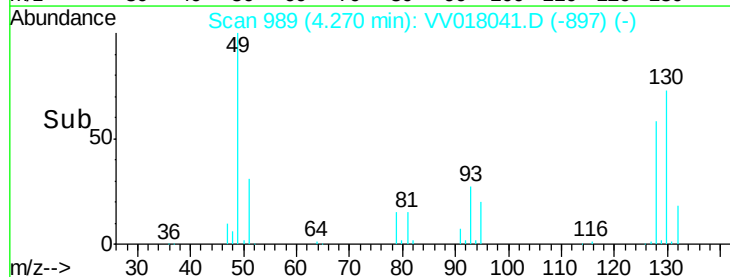
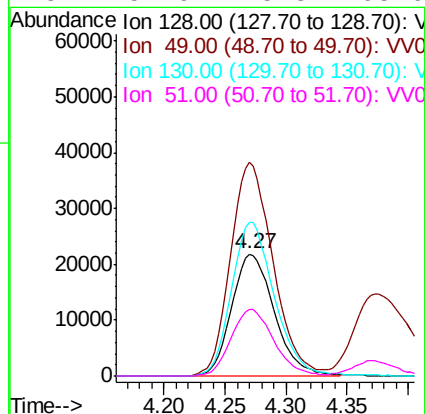
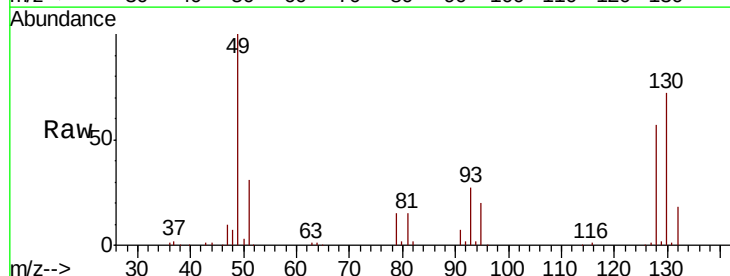
Ion Ratio Lower Upper

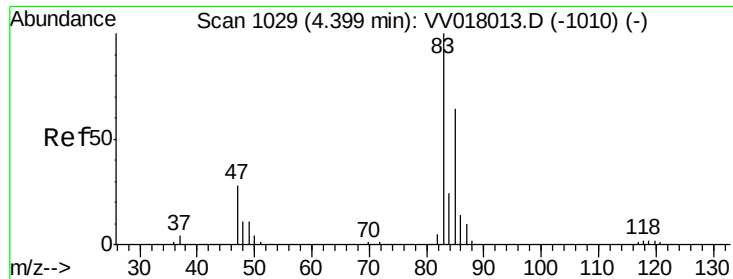
128 100

49 175.2 125.6 233.3

130 126.5 89.9 167.0

51 54.9 45.8 68.6

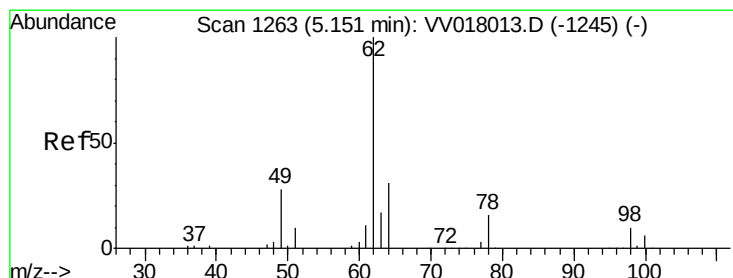
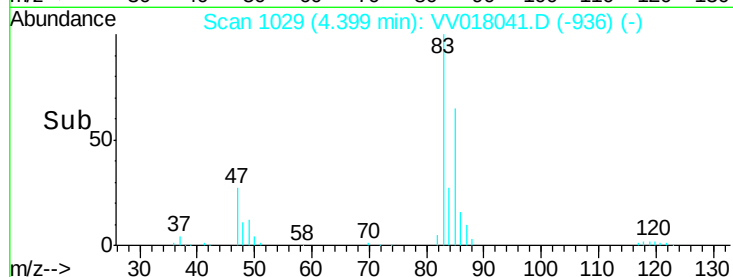
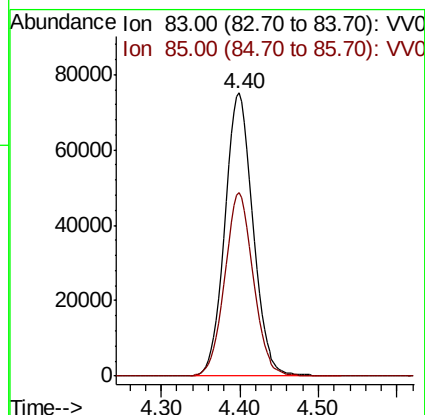
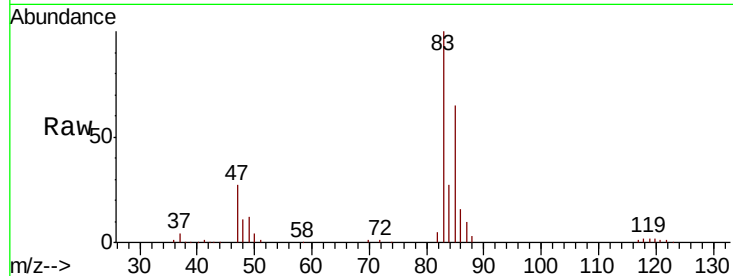




#25
Chloroform
Concen: 43.728 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018041.D
Acq: 18 Aug 2020 09:44

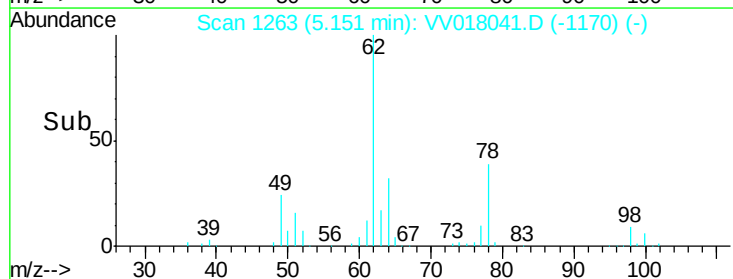
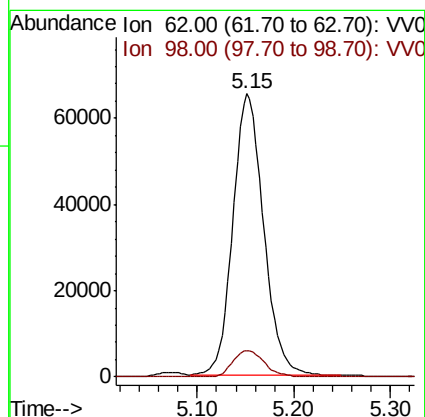
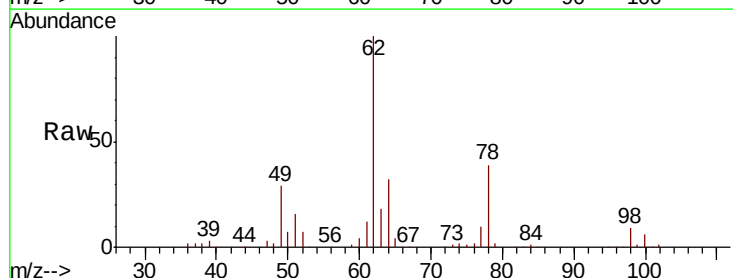
Instrument :
MSVOA_V
ClientSampleId :

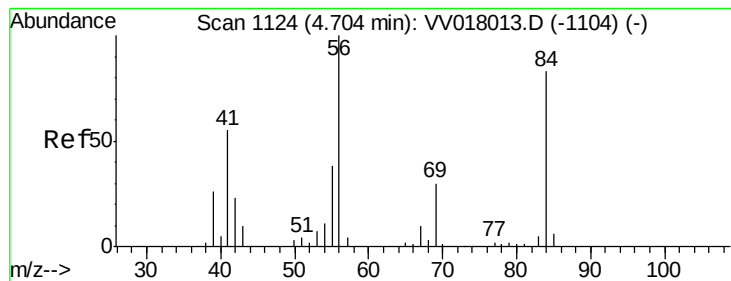
Tot Ion: 83 Resp: 185575
Ion Ratio Lower Upper
83 100
85 64.8 45.5 84.5



#27
1,2-Dichloroethane
Concen: 42.789 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018041.D
Acq: 18 Aug 2020 09:44

Tgt Ion: 62 Resp: 144538
Ion Ratio Lower Upper
62 100
98 9.4 7.1 10.7





#29

Cyclohexane

Concen: 43.502 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

Instrument :
MSVOA_V
ClientSampleId :

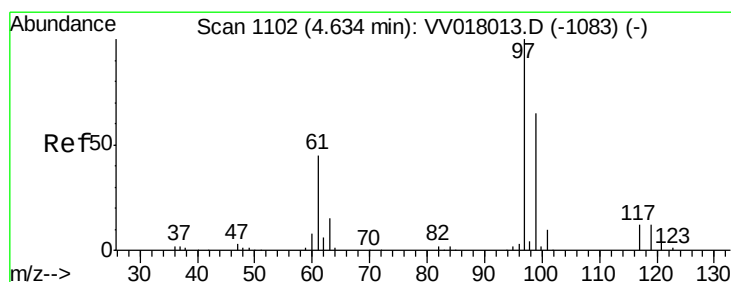
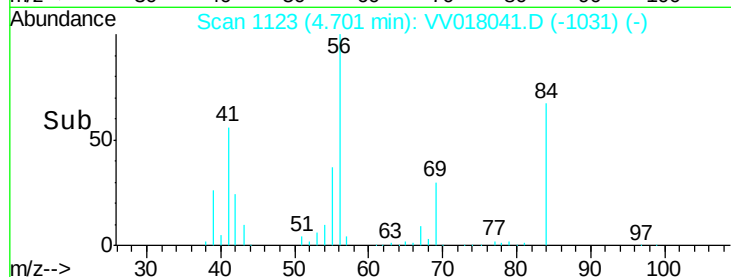
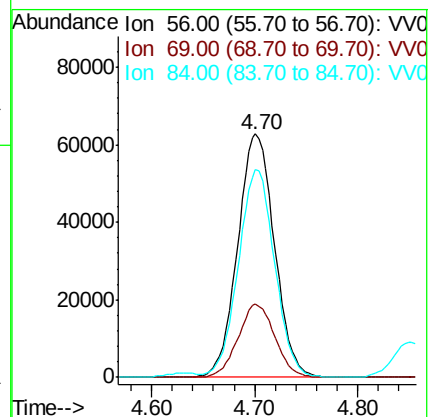
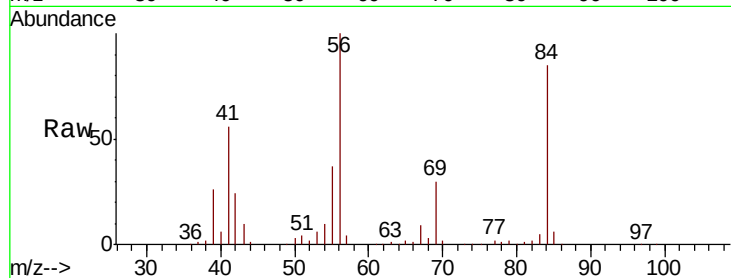
Tot Ion: 56 Resp: 155460

Ion Ratio Lower Upper

56 100

69 30.1 23.8 35.8

84 84.8 66.8 100.2



#30

1,1,1-Trichloroethane

Concen: 43.221 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

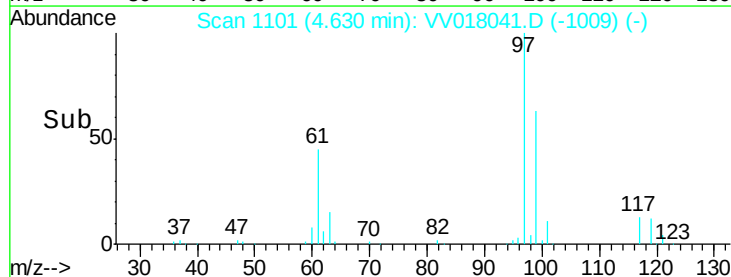
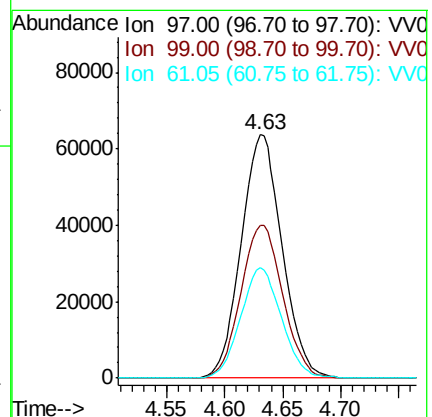
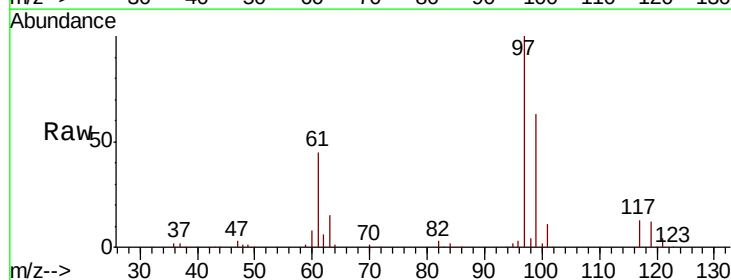
Tgt Ion: 97 Resp: 156826

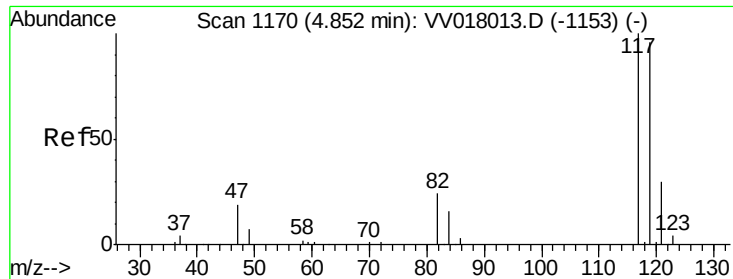
Ion Ratio Lower Upper

97 100

99 64.4 50.6 76.0

61 45.2 37.0 55.6





#31

Carbon tetrachloride

Concen: 44.723 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

Instrument :

MSVOA_V

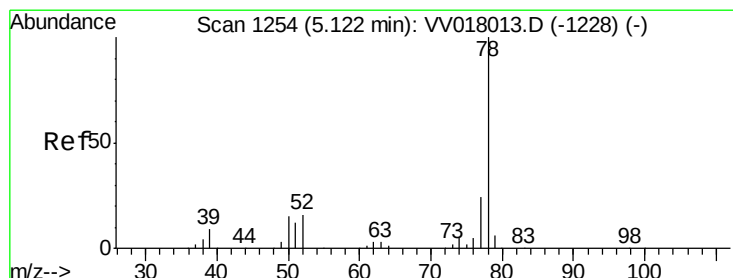
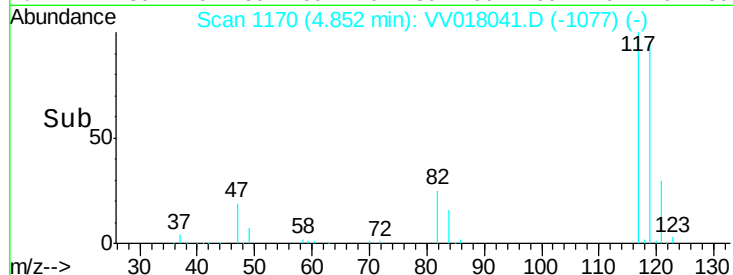
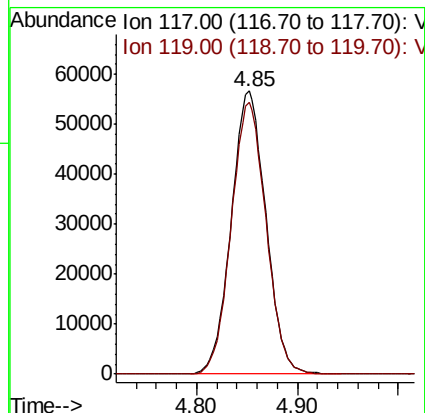
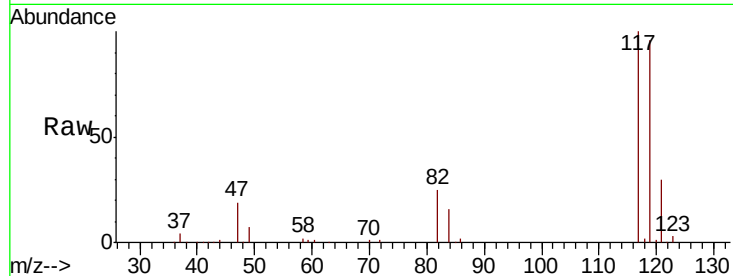
ClientSampleId :

Tot Ion:117 Resp: 135091

Ion Ratio Lower Upper

117 100

119 96.5 77.0 115.6



#33

Benzene

Concen: 43.029 ug/L

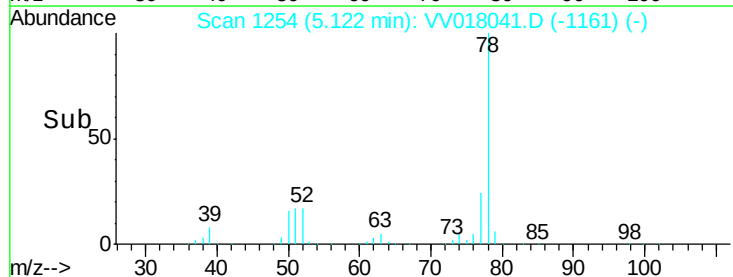
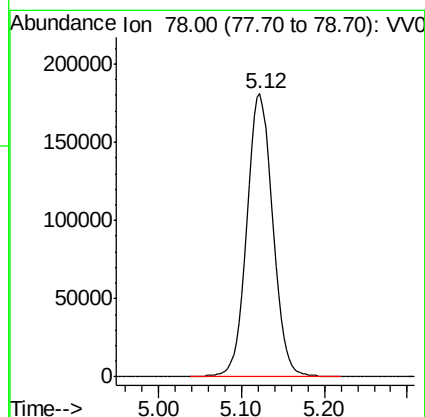
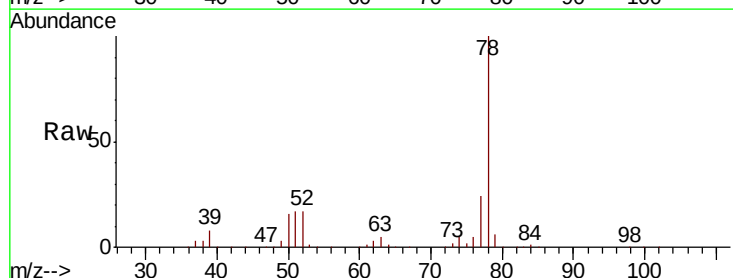
RT: 5.12 min Scan# 1254

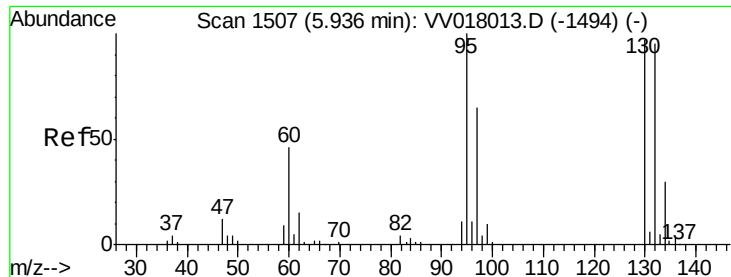
Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

Tgt Ion: 78 Resp: 394171

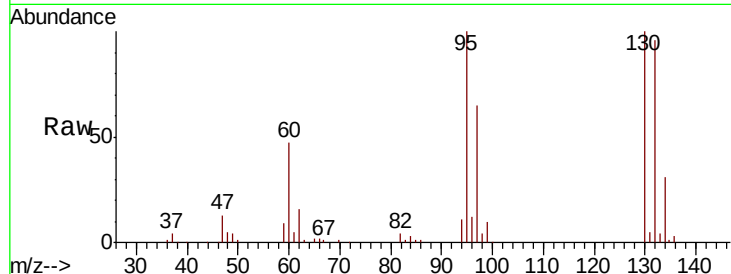




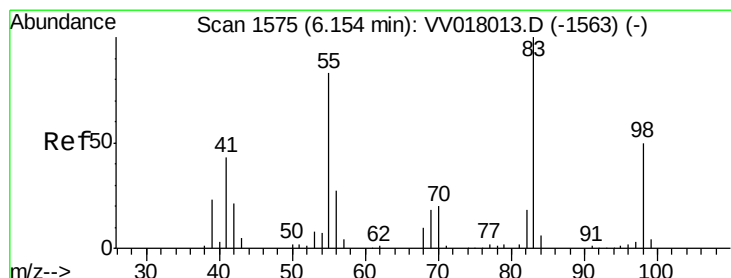
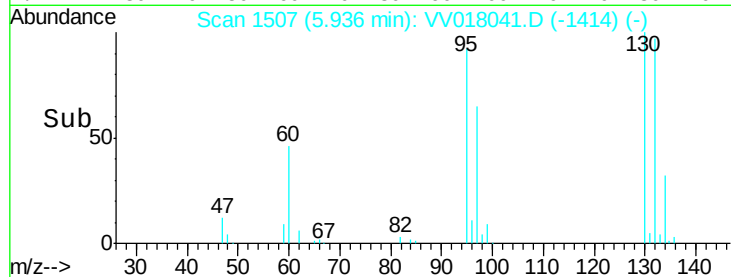
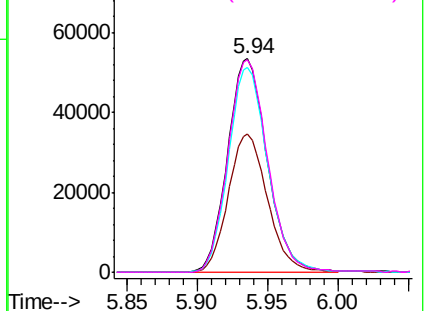
#34
 Trichloroethene
 Concen: 43.318 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV018041.D
 Acq: 18 Aug 2020 09:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	104891
Ion	Ratio	Lower	Upper
95	100		
97	64.9	46.0	85.4
132	96.2	65.8	122.2
130	99.7	69.2	128.6

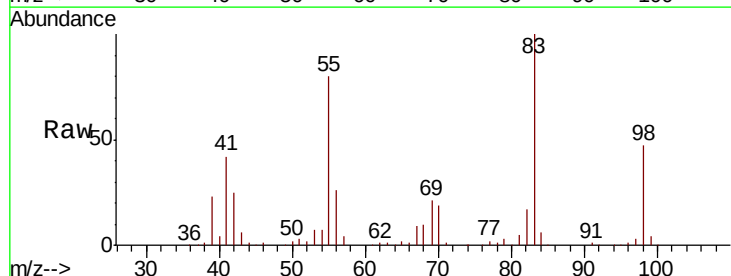


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

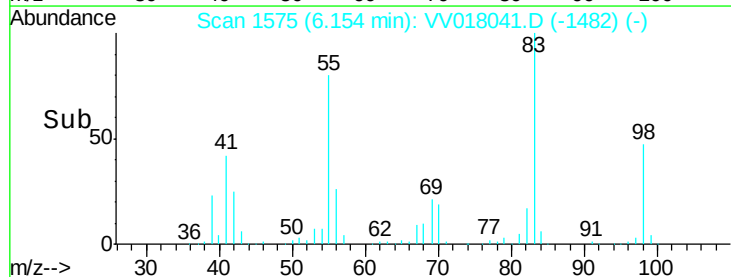
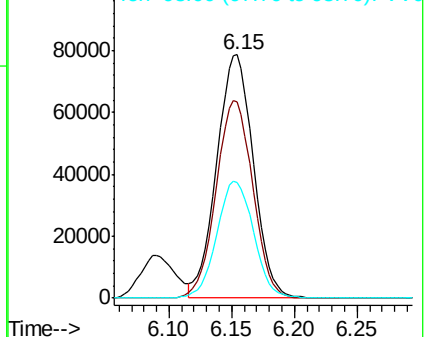


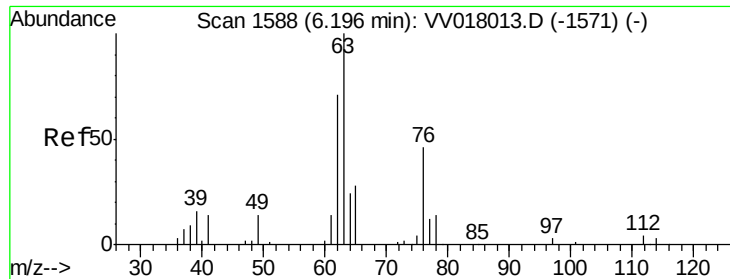
#35
 Methylcyclohexane
 Concen: 44.389 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV018041.D
 Acq: 18 Aug 2020 09:44

Tgt Ion:	83	Resp:	159827
Ion	Ratio	Lower	Upper
83	100		
55	81.2	64.9	97.3
98	47.8	38.7	58.1



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

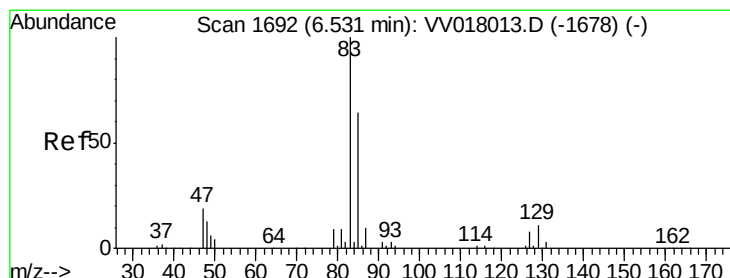
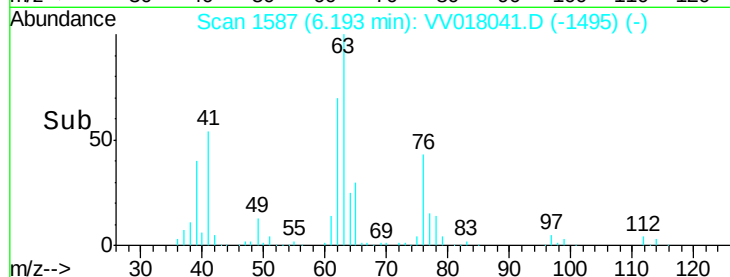
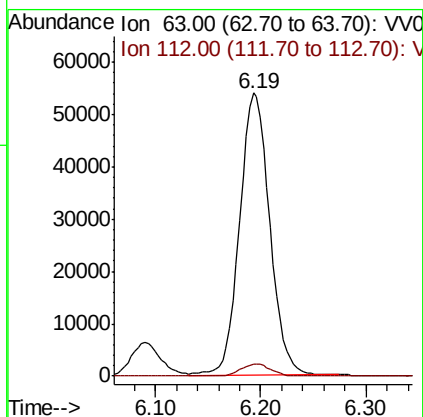
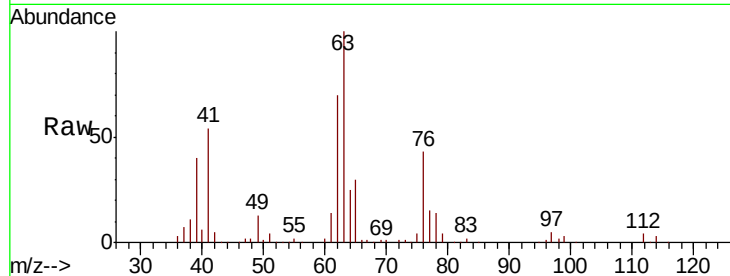




#37
 1,2-Dichloropropane
 Concen: 42.964 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV018041.D
 Acq: 18 Aug 2020 09:44

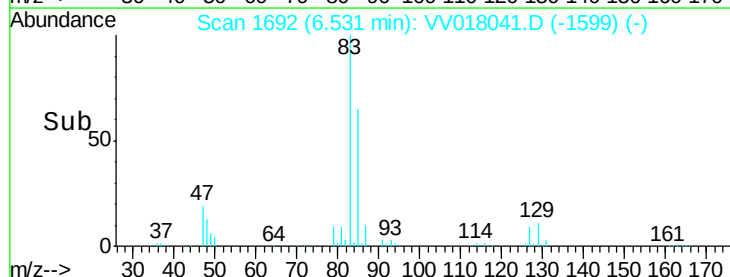
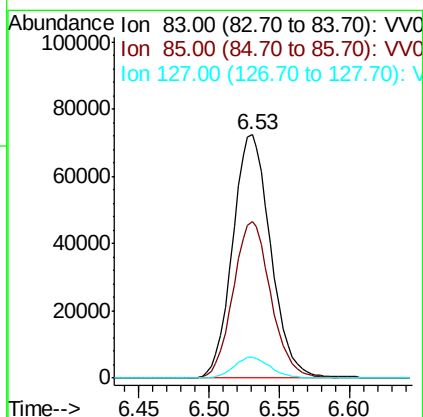
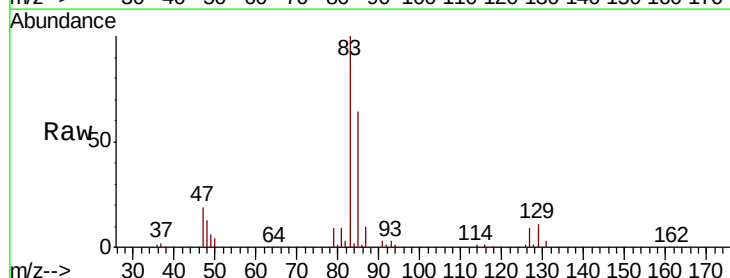
Instrument :
 MSVOA_V
 ClientSampleId :

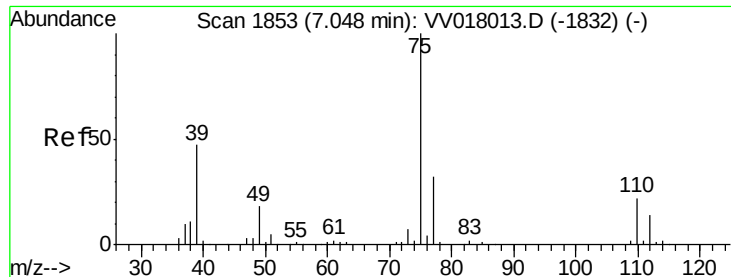
Tot Ion: 63 Resp: 107333
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 44.105 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018041.D
 Acq: 18 Aug 2020 09:44

Tgt Ion: 83 Resp: 136862
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.3 82.3
 127 8.6 6.5 9.7

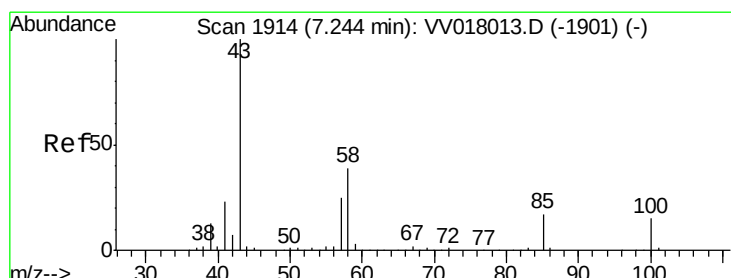
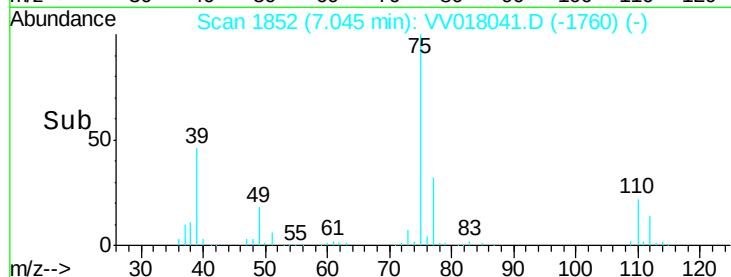
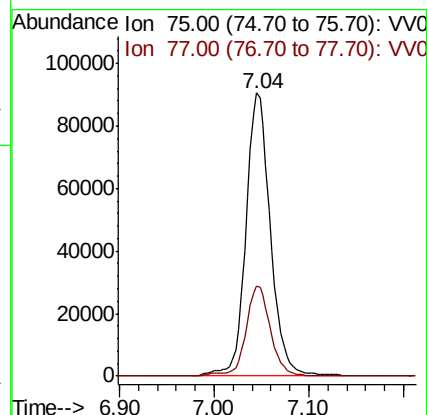
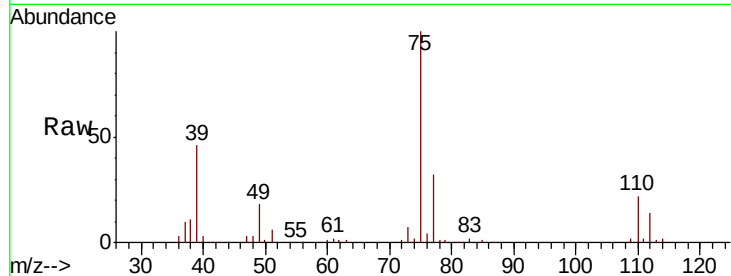




#39
 cis-1,3-Dichloropropene
 Concen: 46.015 ug/L
 RT: 7.04 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018041.D
 Acq: 18 Aug 2020 09:44

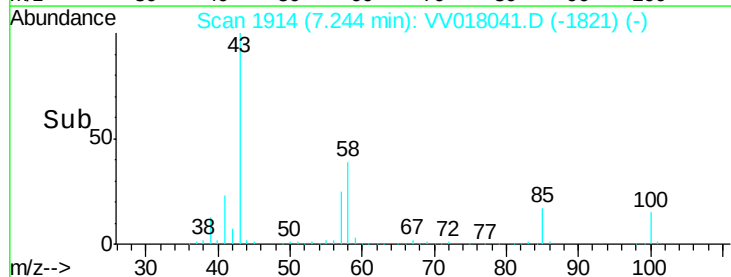
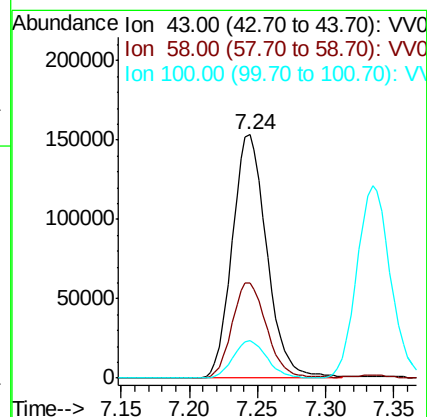
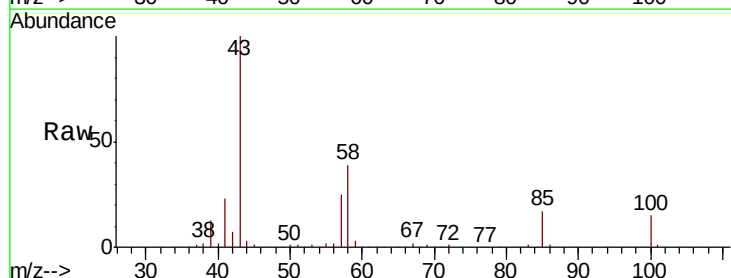
Instrument :
 MSVOA_V
 ClientSampled :

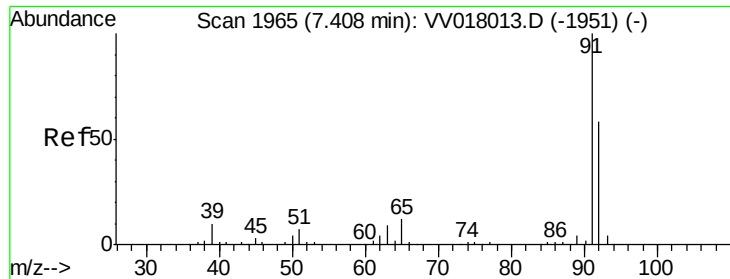
Tot Ion: 75 Resp: 162963
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 82.665 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018041.D
 Acq: 18 Aug 2020 09:44

Tgt Ion: 43 Resp: 269969
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.9 47.9
 100 15.1 12.2 18.2





#42

Toluene

Concen: 43.759 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

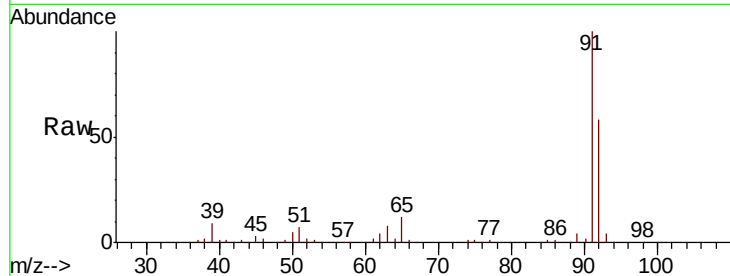
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 418287

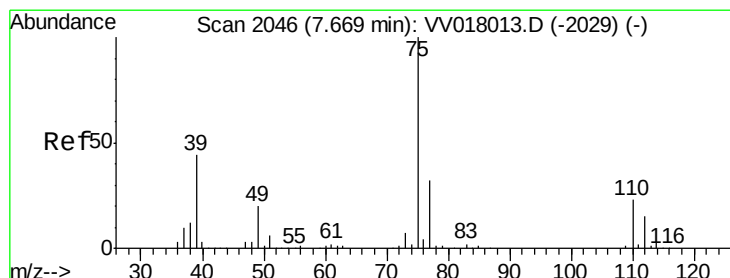
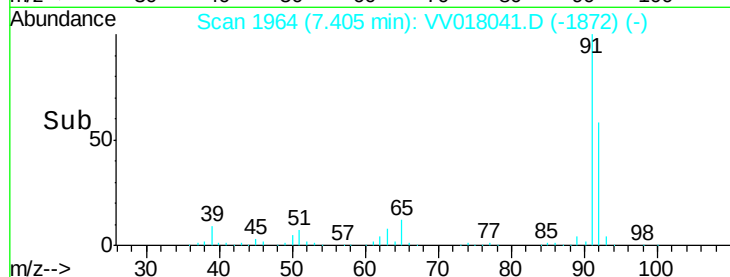
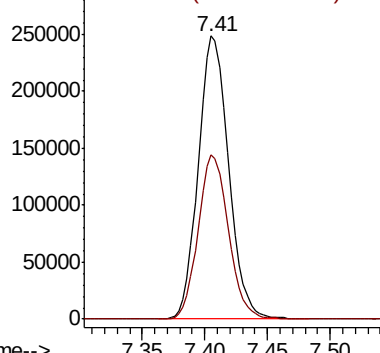
Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



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: 46.659 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018041.D

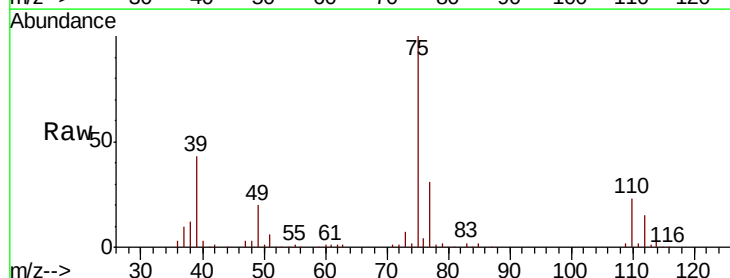
Acq: 18 Aug 2020 09:44

Tgt Ion: 75 Resp: 156784

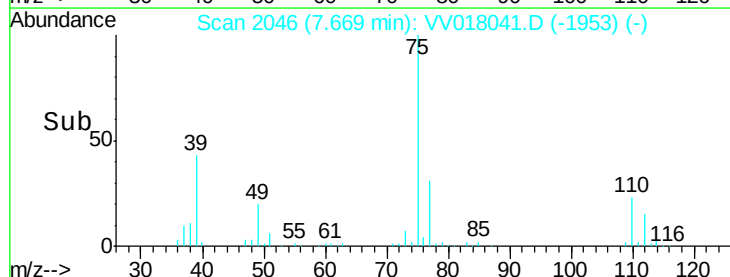
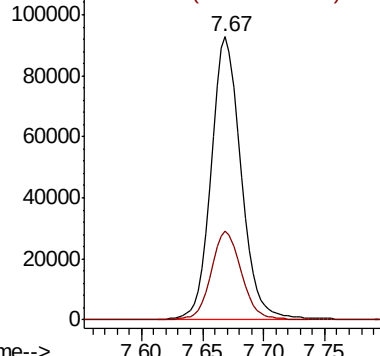
Ion Ratio Lower Upper

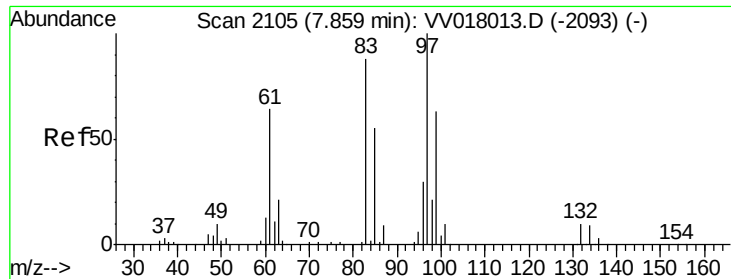
75 100

77 31.2 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

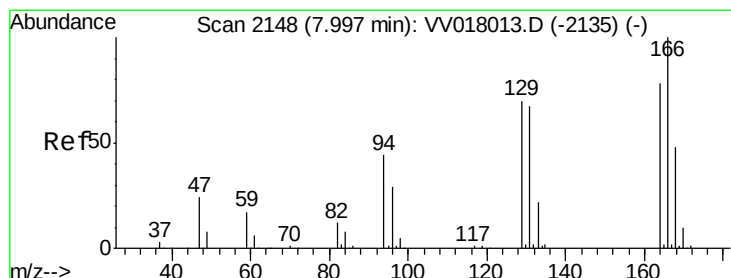
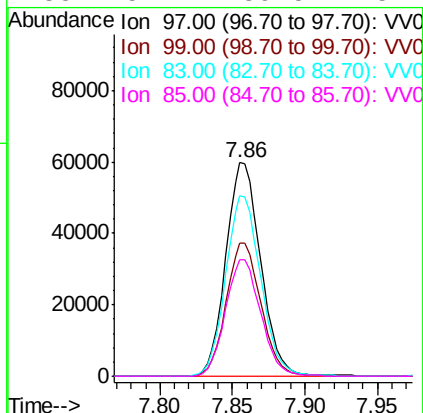
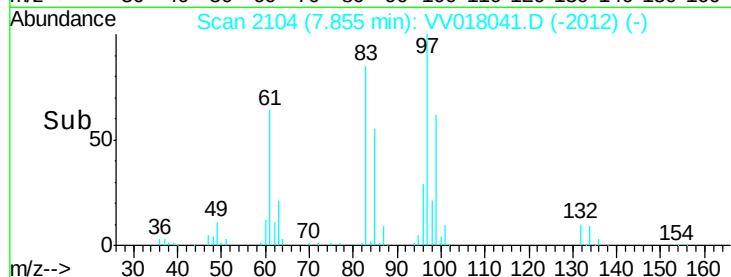
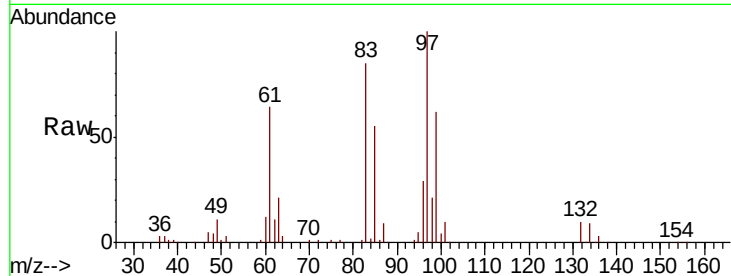




#45
 1,1,2-Trichloroethane
 Concen: 43.014 ug/L
 RT: 7.86 min Scan# 2104
 Delta R.T. -0.00 min
 Lab File: VV018041.D
 Acq: 18 Aug 2020 09:44

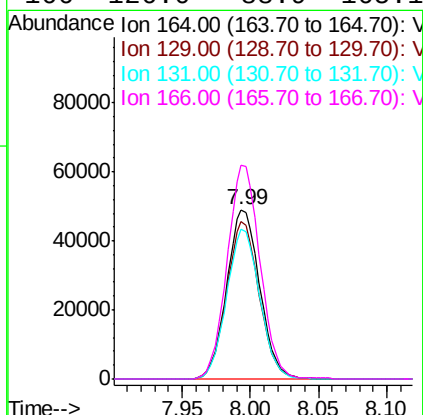
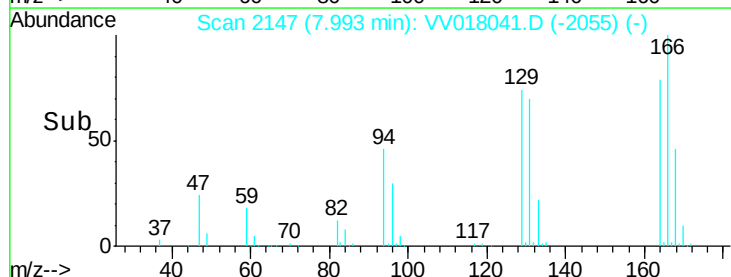
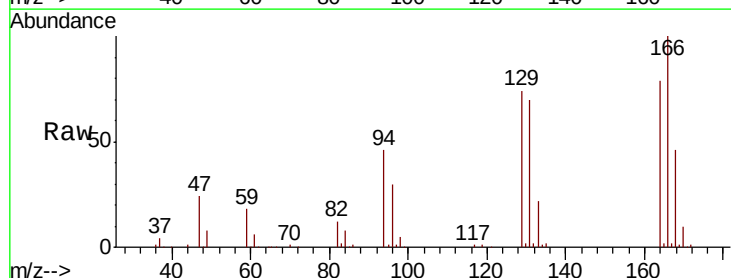
Instrument :
 MSVOA_V
 ClientSampleId :

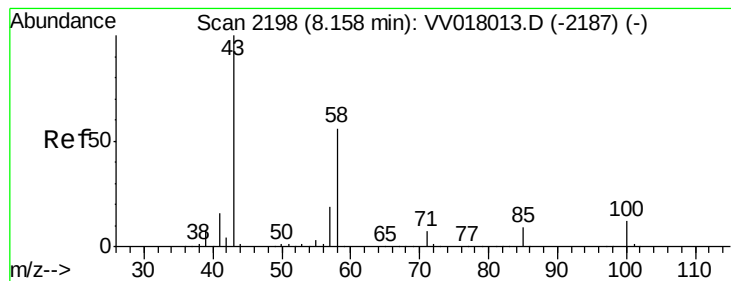
Tot Ion:	97	Resp:	99514
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.2	82.2
83	84.5	61.0	113.4
85	54.7	39.5	73.4



#46
 Tetrachloroethene
 Concen: 46.343 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV018041.D
 Acq: 18 Aug 2020 09:44

Tgt Ion:	164	Resp:	82299
Ion	Ratio	Lower	Upper
164	100		
129	92.7	64.8	120.3
131	88.1	64.5	119.9
166	126.0	88.9	165.1





#48

2-Hexanone

Concen: 86.862 ug/L

RT: 8.15 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 228752

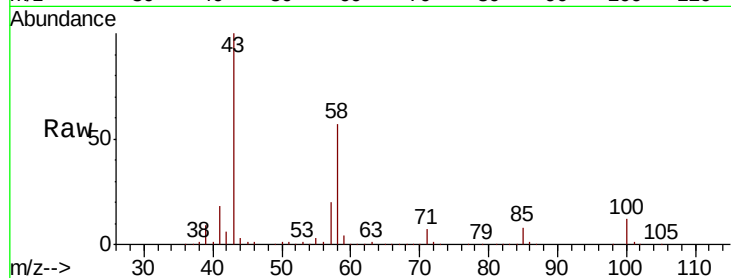
Ion Ratio Lower Upper

43 100

58 56.2 44.4 66.6

57 19.4 15.2 22.8

100 12.3 9.8 14.6

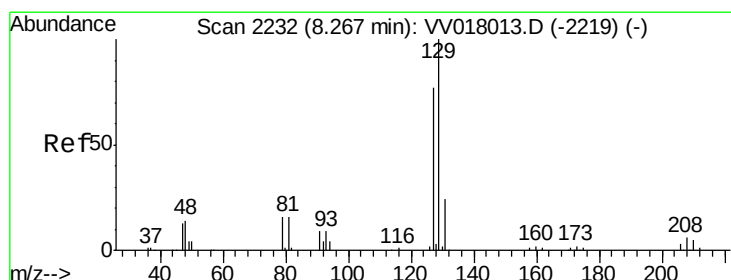
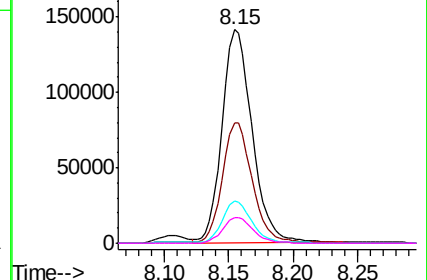
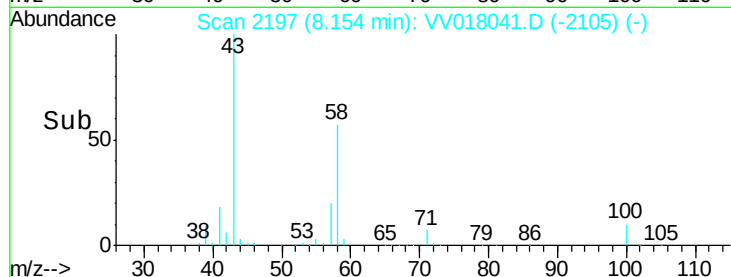


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 46.874 ug/L

RT: 8.26 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VV018041.D

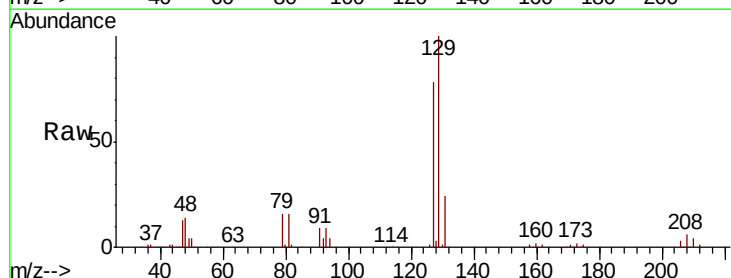
Acq: 18 Aug 2020 09:44

Tgt Ion: 129 Resp: 105852

Ion Ratio Lower Upper

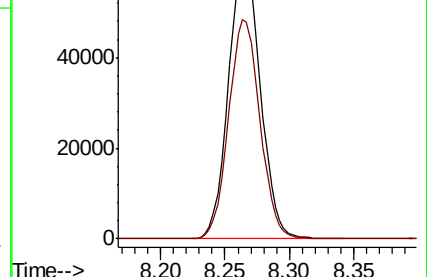
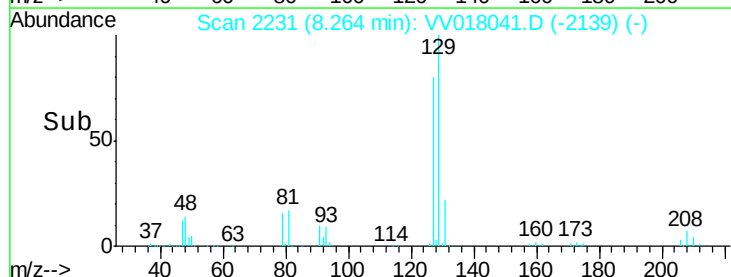
129 100

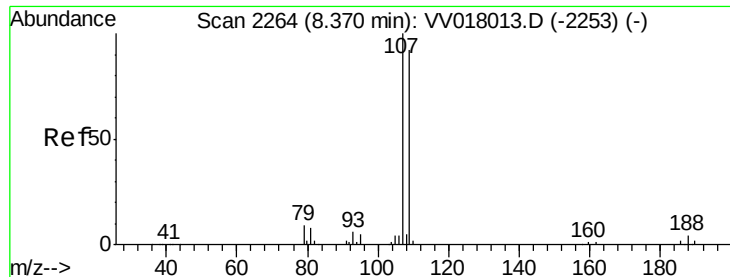
127 77.7 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

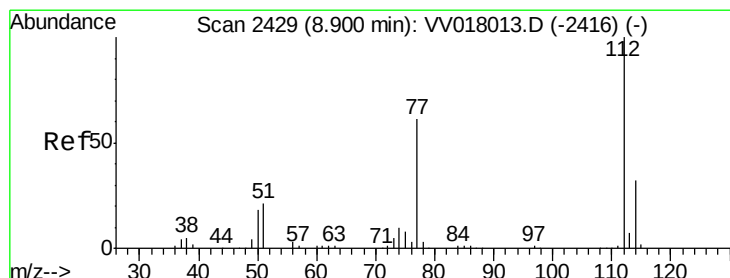
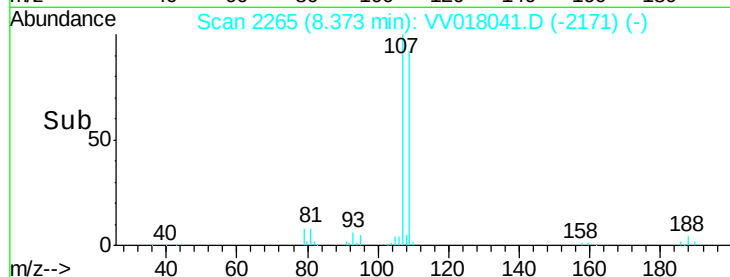
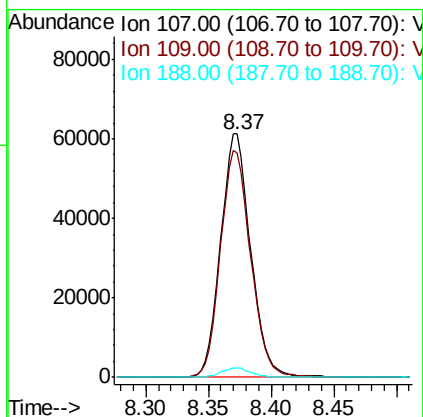
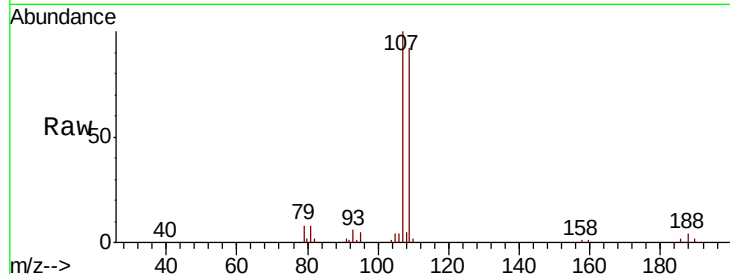




#50
 1,2-Dibromoethane
 Concen: 42.683 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018041.D
 Acq: 18 Aug 2020 09:44

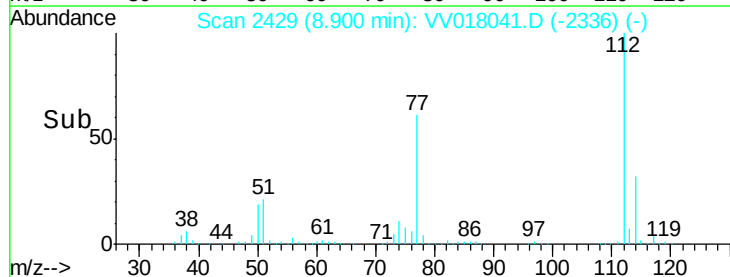
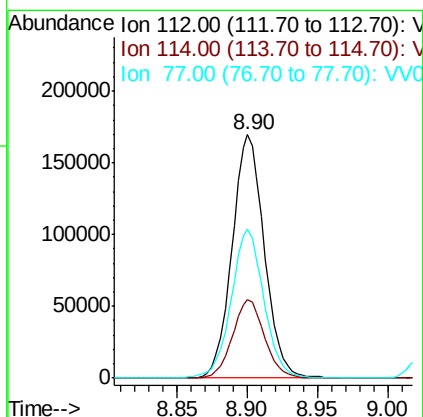
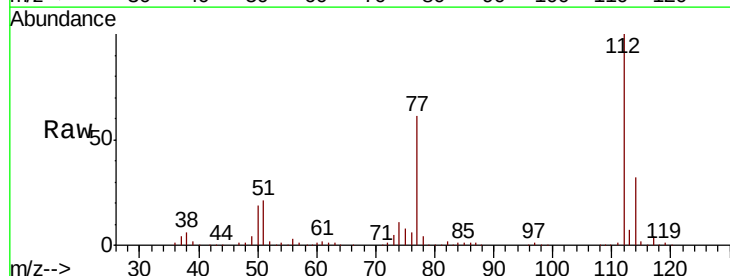
Instrument :
 MSVOA_V
 ClientSampleId :

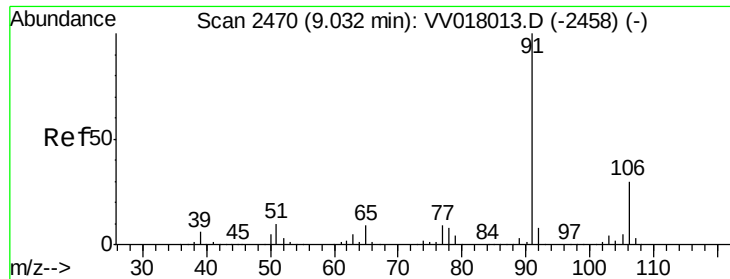
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	67.5	125.4
188	3.9	3.4	5.0



#51
 Chlorobenzene
 Concen: 44.128 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018041.D
 Acq: 18 Aug 2020 09:44

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.7	42.3
77	61.2	49.4	74.2





#52

Ethylbenzene

Concen: 44.589 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

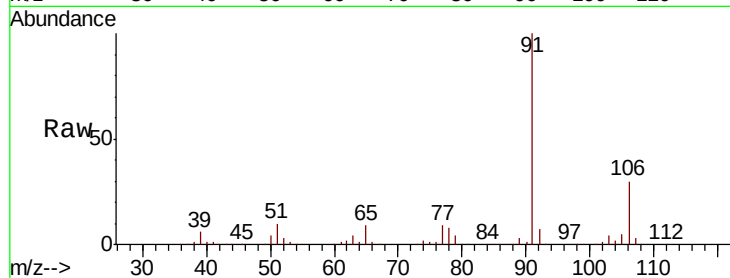
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 464736

Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV018041.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018041.D (-2377) (-)

9.03

300000

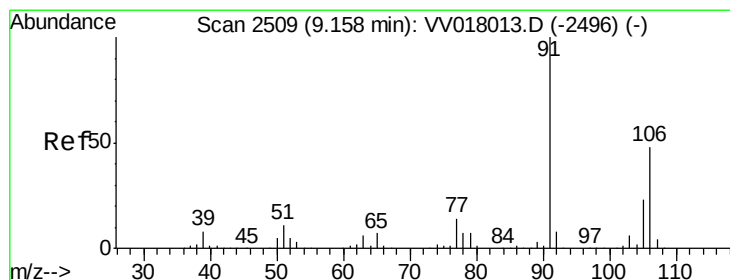
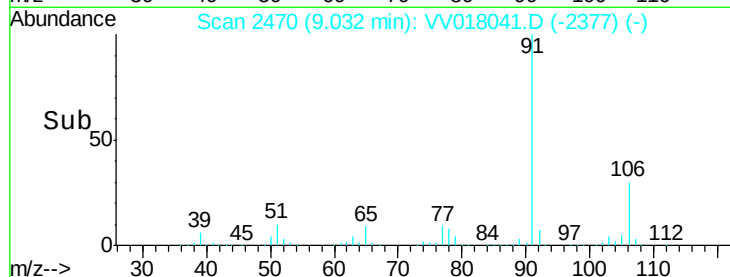
200000

100000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 45.971 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018041.D

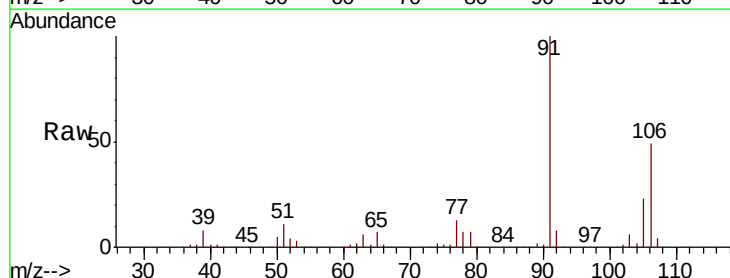
Acq: 18 Aug 2020 09:44

Tgt Ion: 106 Resp: 176228

Ion Ratio Lower Upper

106 100

91 205.2 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV018041.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018041.D (-2416) (-)

9.16

250000

200000

150000

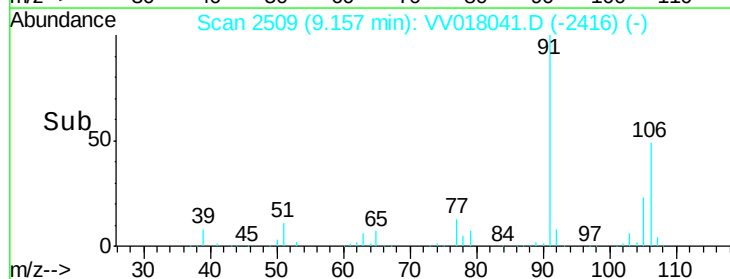
100000

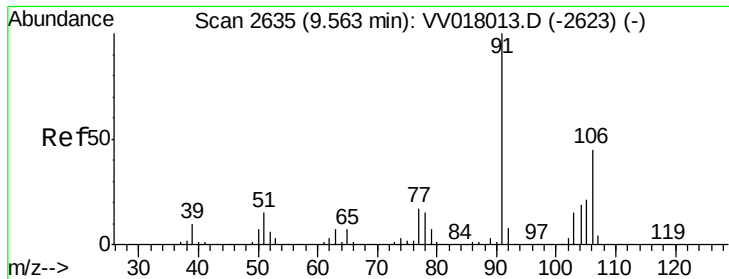
50000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 44.191 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

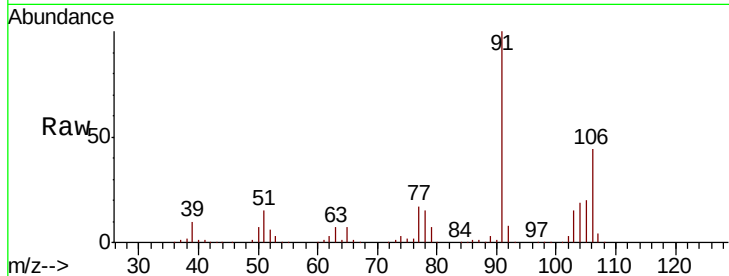
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 167410

Ion Ratio Lower Upper

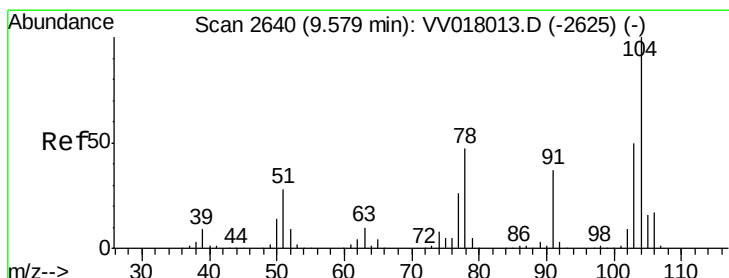
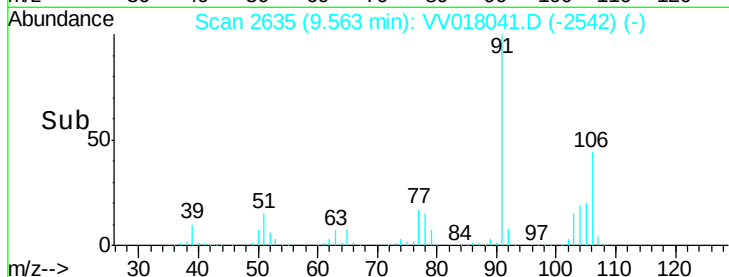
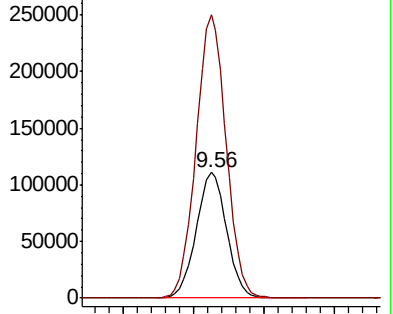
106 100

91 225.1 156.0 289.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 46.190 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018041.D

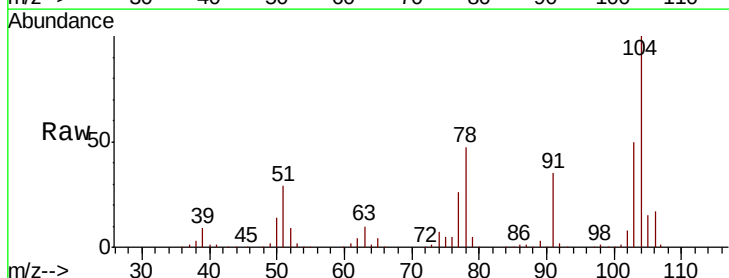
Acq: 18 Aug 2020 09:44

Tgt Ion:104 Resp: 299654

Ion Ratio Lower Upper

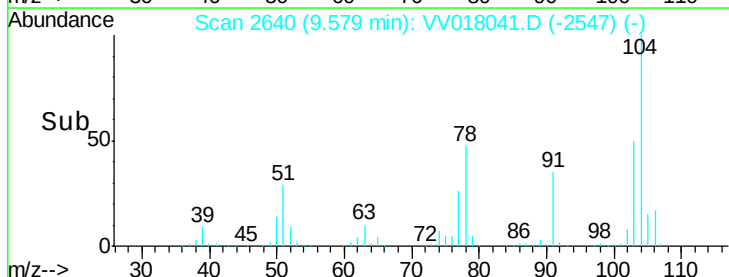
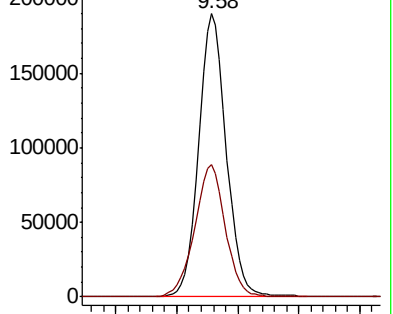
104 100

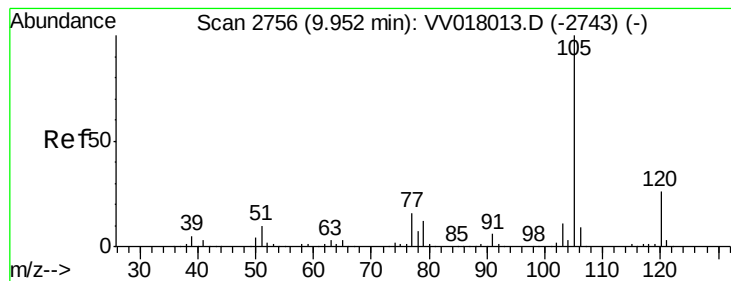
78 46.6 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 45.429 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

Instrument :
MSVOA_V
ClientSampleId :

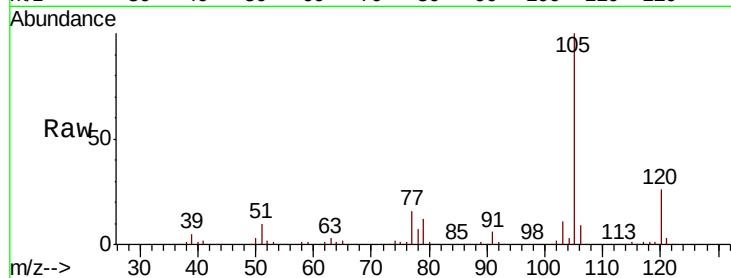
Tot Ion:105 Resp: 454017

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

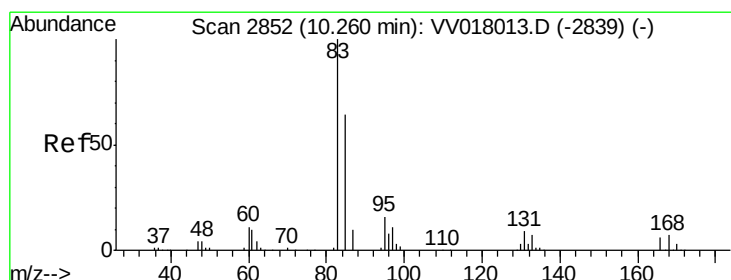
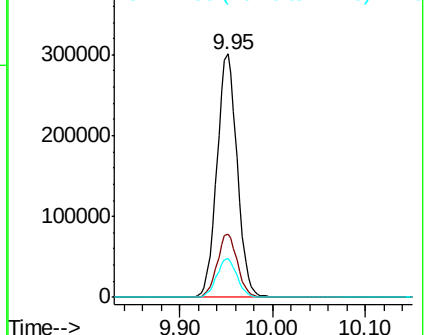
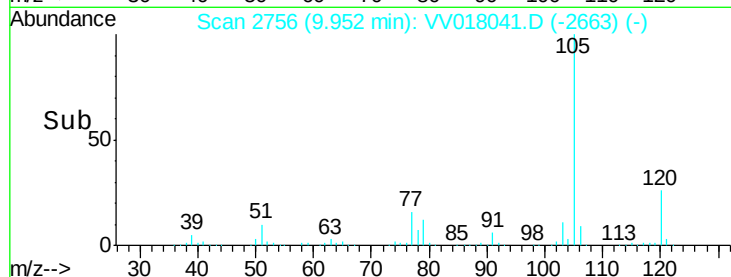
77 16.1 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): VV018041.D (-2663) (-)

Ion 120.00 (119.70 to 120.70): VV018041.D (-2663) (-)

Ion 77.00 (76.70 to 77.70): VV018041.D (-2663) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 40.711 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

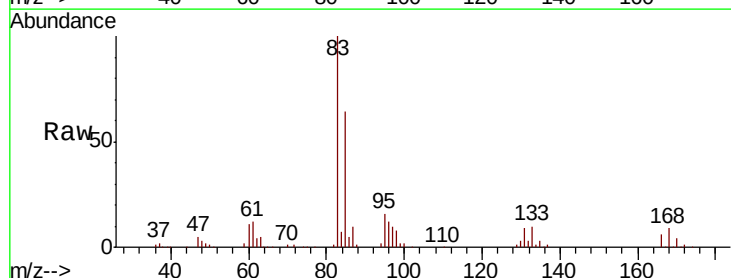
Tgt Ion: 83 Resp: 146667

Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.7

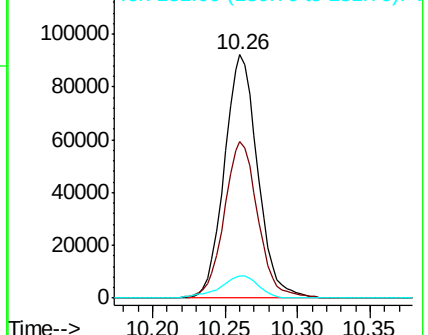
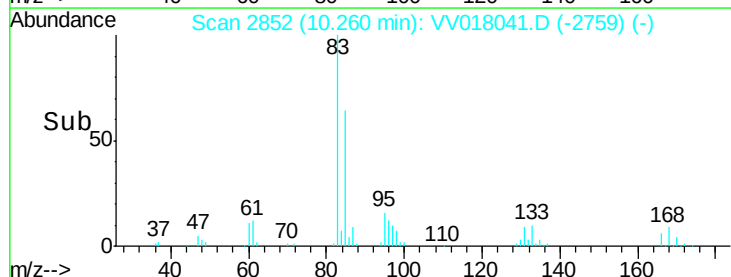
131 9.2 7.8 11.6

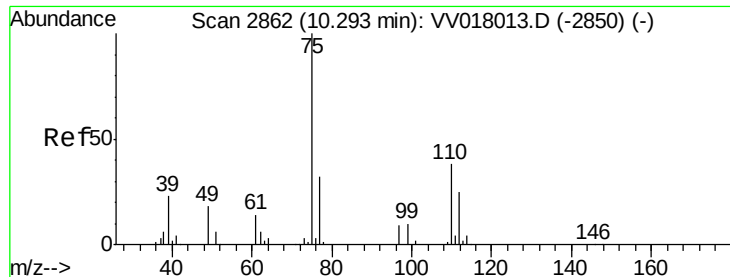


Abundance Ion 83.00 (82.70 to 83.70): VV018041.D (-2759) (-)

Ion 85.00 (84.70 to 85.70): VV018041.D (-2759) (-)

Ion 131.00 (130.70 to 131.70): VV018041.D (-2759) (-)





#59

1,2,3-Trichloropropane

Concen: 40.931 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

Instrument :

MSVOA_V

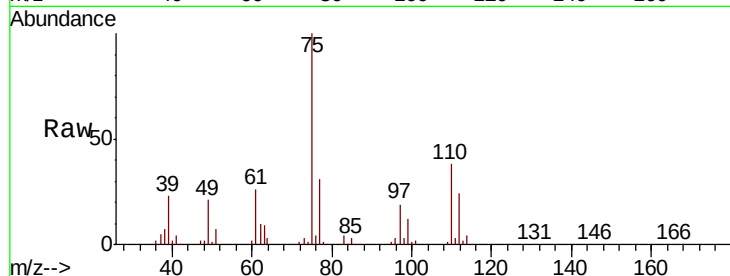
ClientSampled :

Tot Ion: 75 Resp: 126285

Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV018013.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018013.D (-2850) (-)

80000

60000

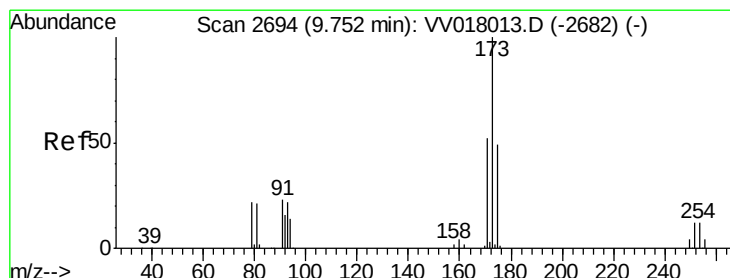
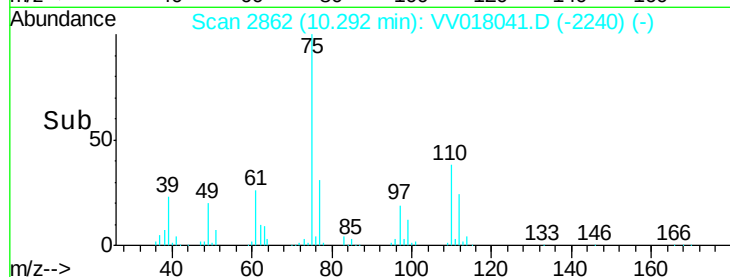
40000

20000

0

10.20 10.30 10.40

Time-->



#61

Bromoform

Concen: 47.426 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

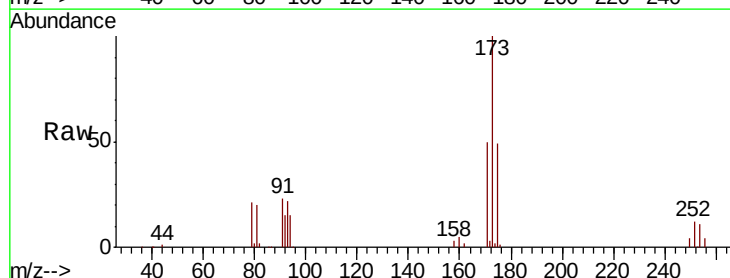
Tgt Ion: 173 Resp: 72274

Ion Ratio Lower Upper

173 100

175 48.3 38.6 57.8

254 11.3 8.4 12.6



Abundance Ion 173.00 (172.70 to 173.70): VV018013.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018013.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018013.D (-2682) (-)

60000

50000

40000

30000

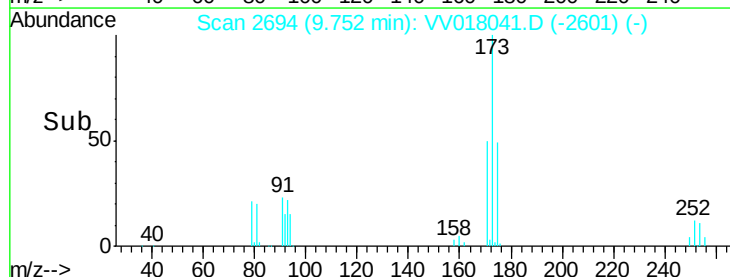
20000

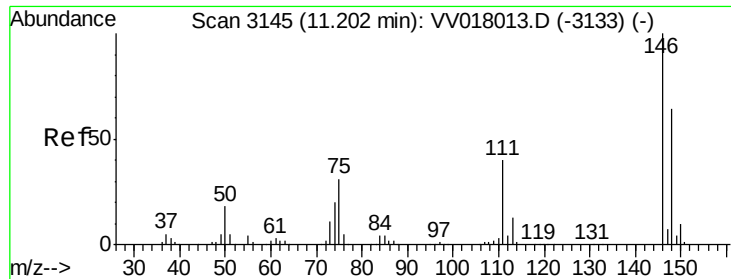
10000

0

9.70 9.75 9.80

Time-->





#62

1,3-Dichlorobenzene

Concen: 44.161 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

Instrument :

MSVOA_V

ClientSampleId :

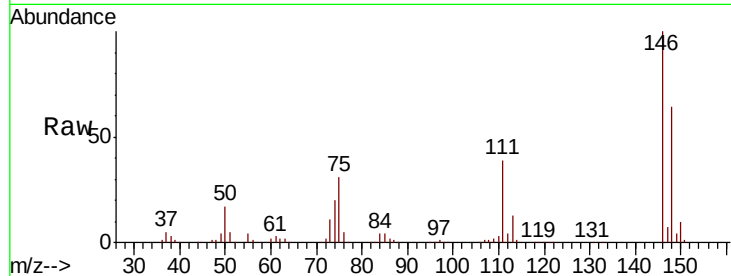
Tot Ion:146 Resp: 226172

Ion Ratio Lower Upper

146 100

111 39.5 28.8 53.4

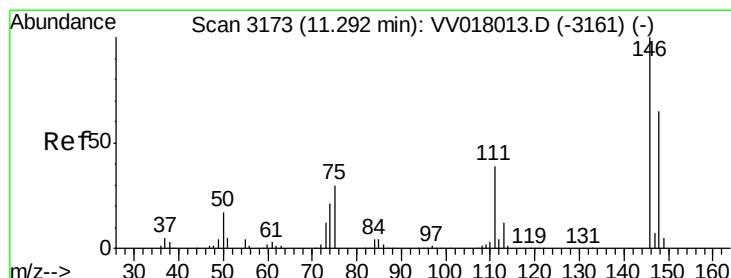
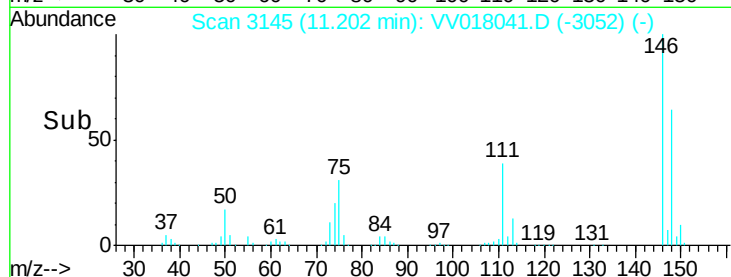
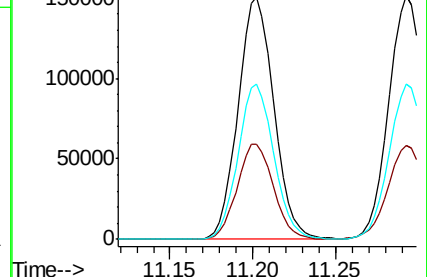
148 64.0 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 43.906 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

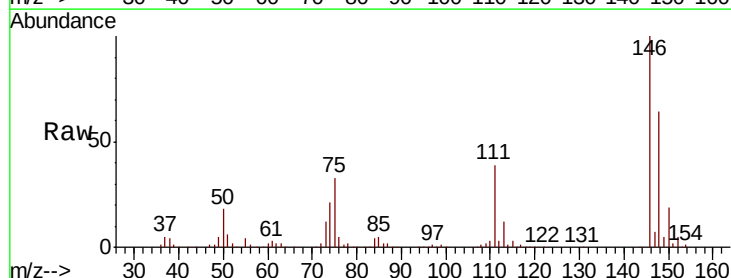
Tgt Ion:146 Resp: 230998

Ion Ratio Lower Upper

146 100

111 38.8 28.0 52.0

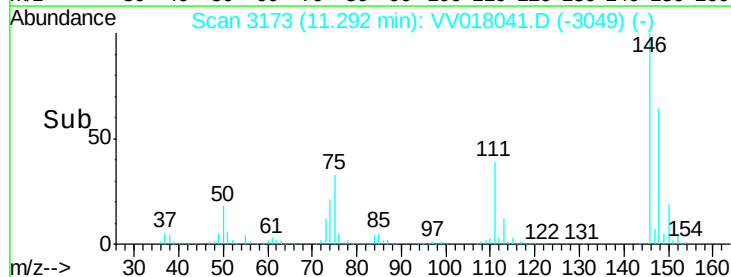
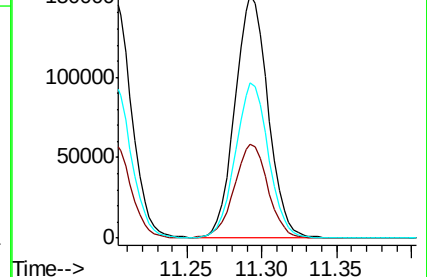
148 63.9 44.2 82.2

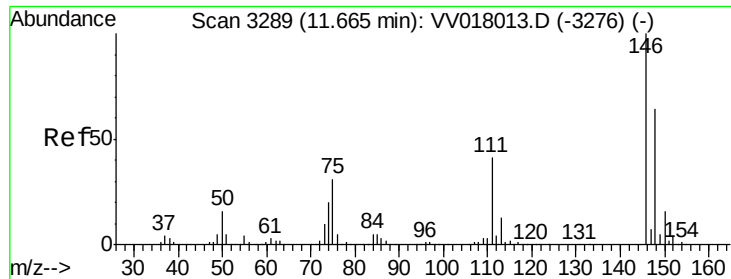


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 42.828 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

Instrument :

MSVOA_V

ClientSampleId :

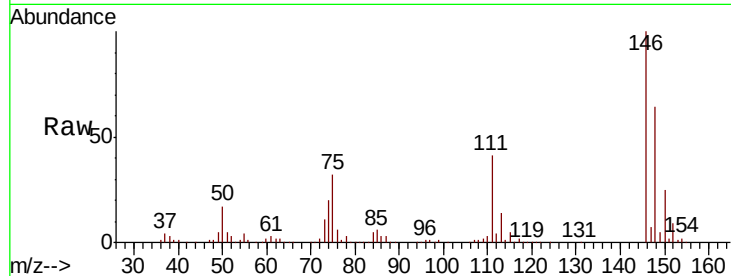
Tot Ion:146 Resp: 225767

Ion Ratio Lower Upper

146 100

111 41.2 34.2 51.4

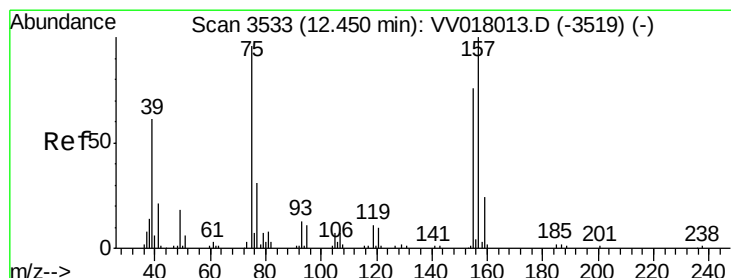
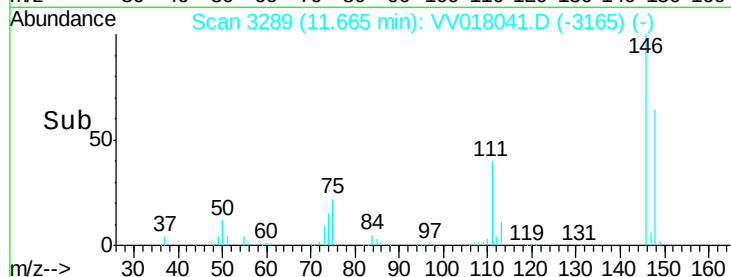
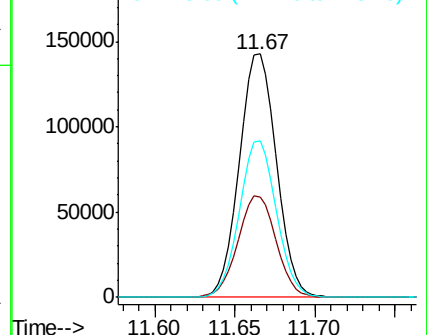
148 64.2 50.6 76.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 40.238 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

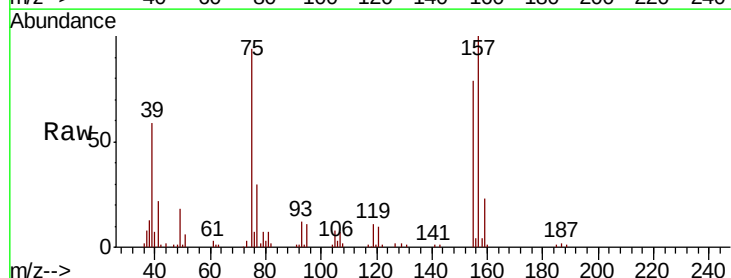
Tgt Ion: 75 Resp: 31252

Ion Ratio Lower Upper

75 100

155 84.0 67.6 101.4

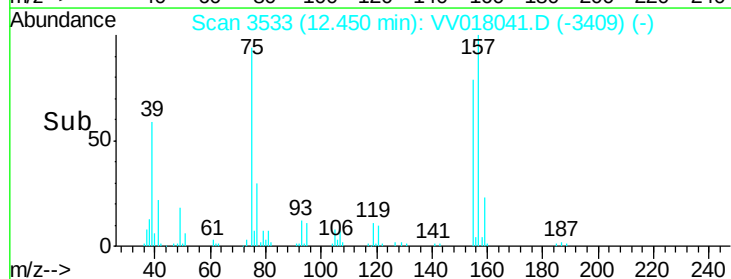
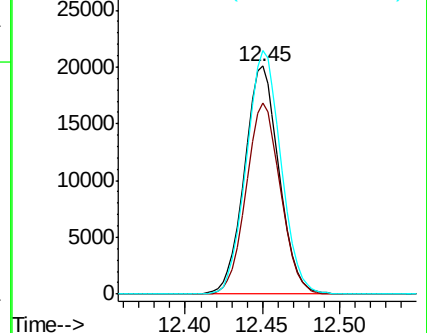
157 106.9 84.3 126.5

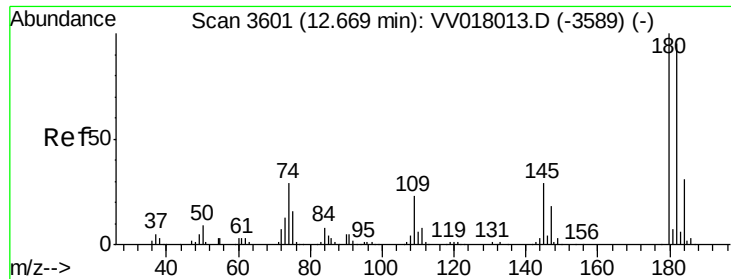


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

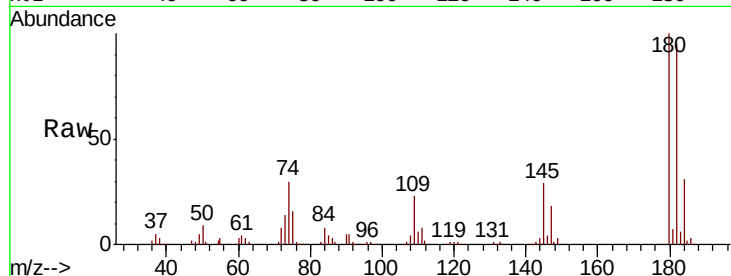




#67
 1,3,5-Trichlorobenzene
 Concen: 46.417 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018041.D
 Acq: 18 Aug 2020 09:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.2	115.8
184	30.8	24.6	36.8
145	28.9	23.5	35.3

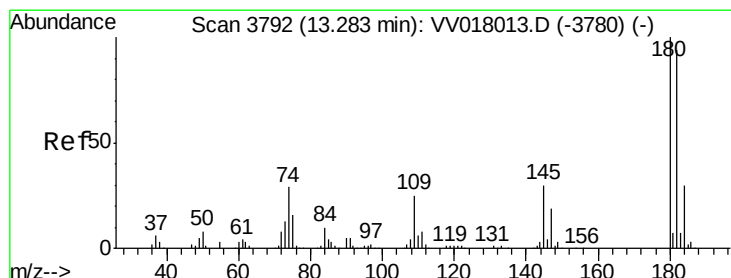
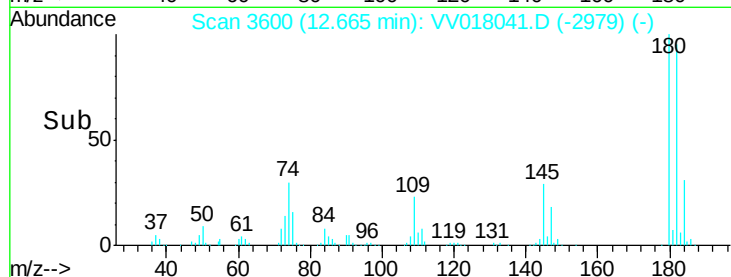
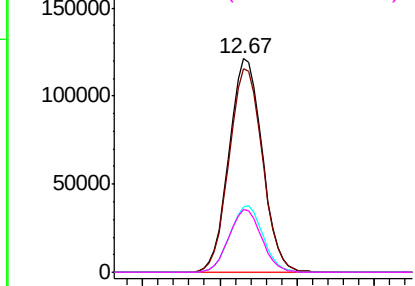


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

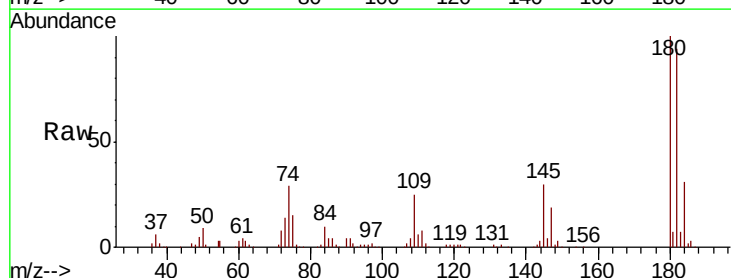
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.252 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018041.D
 Acq: 18 Aug 2020 09:44

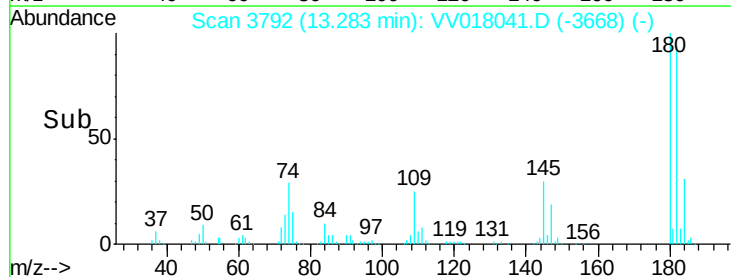
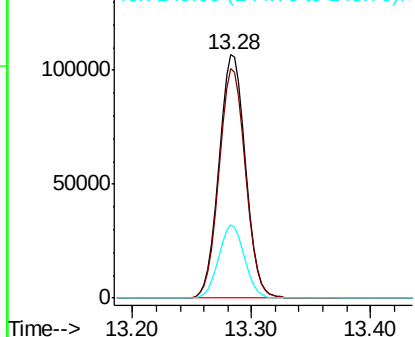
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.4	114.6
145	29.2	24.0	36.0

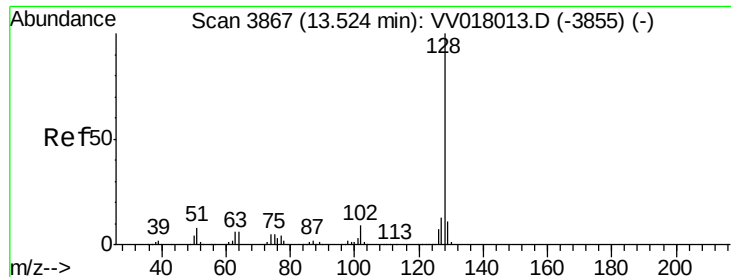


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 44.664 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

Instrument :

MSVOA_V

ClientSampleId :

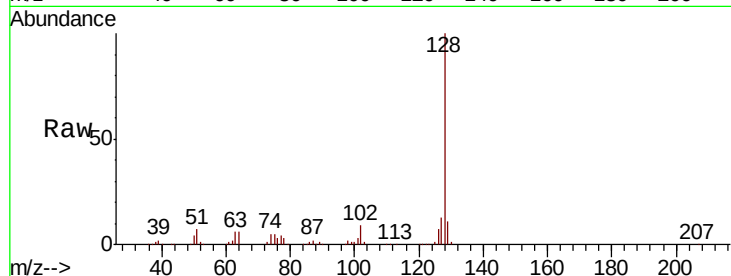
Tot Ion:128 Resp: 421092

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

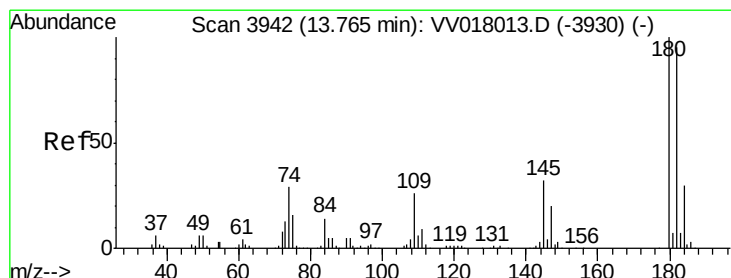
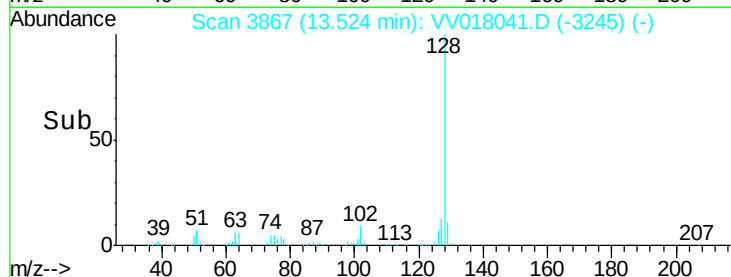
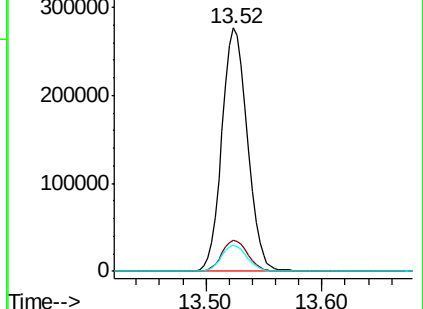
129 10.8 8.7 13.1



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: 46.587 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018041.D

Acq: 18 Aug 2020 09:44

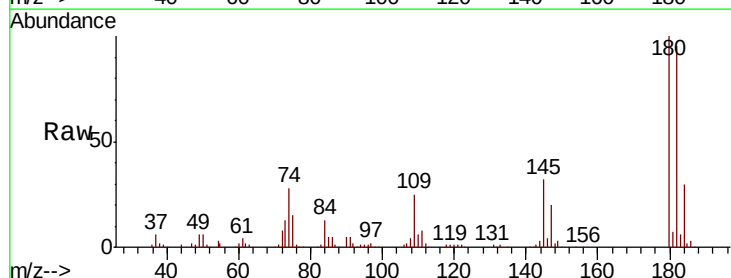
Tgt Ion:180 Resp: 162054

Ion Ratio Lower Upper

180 100

182 95.4 76.5 114.7

145 32.0 26.0 39.0



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

