

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
 Data File : VL035193.D
 Acq On : 16 Jul 2020 14:34
 Operator : SY/AP
 Sample : OC071320 CAN 10473
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC071320 CAN 10473

Quant Time: Jul 17 04:08:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1210032	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2867746	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2623599	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2144958	10.06	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.99	85	10968	0.065	ppbv 93
3) Chlorodifluoromethane	2.93	51	15720	0.118	ppbv 95
4) Chloromethane	3.08	50	10068	0.134	ppbv 89
5) Vinyl Chloride	3.20	62	6873	0.085	ppbv 92
6) Bromomethane	3.43	94	4188	0.092	ppbv # 54
7) Chloroethane	3.51	64	3110	0.109	ppbv 92
8) Dichlorotetrafluoroethane	3.13	85	19457	0.105	ppbv 92
9) Propene	2.95	41	10111	0.200	ppbv 88
10) Heptane	8.10	43	5353	0.041	ppbv # 26
11) Trichlorofluoromethane	3.90	101	18697	0.098	ppbv 89
12) 1,1,2-Trichlorotrifluoroet	4.44	101	7901	0.059	ppbv # 14
13) Ethanol	3.56	45	1752	0.109	ppbv # 35
14) Bromoethene	3.69	108	1816	0.033	ppbv # 1
16) 1,3-Butadiene	3.27	39	4718	0.075	ppbv # 62
17) tert-Butyl alcohol	4.26	59	5056	0.035	ppbv # 72
18) 1,1-Dichloroethene	4.25	96	2609	0.044	ppbv 93
19) Isopropyl Alcohol	3.94	45	11156	0.113	ppbv # 92
20) Methylene Chloride	4.30	84	32153	0.451	ppbv 89
21) Allvl Chloride	4.36	41	4038	0.042	ppbv # 19
23) Vinyl Acetate	5.03	43	6277	0.035	ppbv # 77
24) 1,1-Dichloroethane	4.97	63	8283	0.054	ppbv # 88
25) Ethyl Acetate	5.65	43	27217	0.107	ppbv # 94
26) Hexane	5.65	57	19230	0.172	ppbv # 78
27) Carbon Disulfide	4.51	76	9661	0.062	ppbv # 64
29) Chloroform	5.72	83	19057	0.101	ppbv 99
30) Cyclohexane	7.11	84	3490	0.042	ppbv # 1
31) cis-1,2-Dichloroethene	5.51	61	11676	0.110	ppbv # 77
32) 1,1,1-Trichloroethane	6.49	97	9784	0.052	ppbv # 24
36) Benzene	6.87	78	22023	0.106	ppbv # 90
37) 1,2-Dichloroethane	6.28	62	6641	0.048	ppbv # 75
38) Trichloroethene	7.81	130	3168	0.037	ppbv # 59
39) 1,2-Dichloropropane	7.15	63	778289	9.429	ppbv # 23
42) Bromodichloromethane	7.77	83	11347	0.061	ppbv # 86
44) 2,2,4-Trimethylpentane	7.84	57	10881	0.030	ppbv # 42
46) cis-1,3-Dichloropropene	8.68	75	4462	0.041	ppbv # 59
48) Dibromochloromethane	10.29	129	8065	0.055	ppbv # 11
53) Toluene	9.79	91	11540	0.053	ppbv # 20
54) 1,2-Dibromoethane	10.60	107	7892	0.059	ppbv 87
56) 1,1,1,2-Tetrachloroethane	12.12	131	4173	0.036	ppbv # 1
57) Chlorobenzene	12.14	112	6769	0.035	ppbv # 48
59) m/p-Xylene	13.00	91	10547	0.041	ppbv # 1

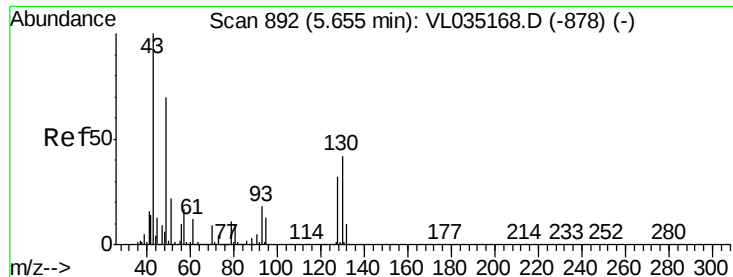
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
Data File : VL035193.D
Acq On : 16 Jul 2020 14:34
Operator : SY/AP
Sample : OC071320 CAN 10473
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QC071320 CAN 10473

Quant Time: Jul 17 04:08:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 07:05:23 2020
QLast Update : Wed Jul 08 07:05:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) o-Xylene	13.69	91	12500	0.048	ppbv	70
62) Isopropylbenzene	14.67	105	13340	0.035	ppbv #	32
63) 1,1,2,2-Tetrachloroethane	13.68	83	12072	0.056	ppbv #	39
66) Benzyl Chloride	17.00	91	5037	0.041	ppbv #	58
71) 2-Chlorotoluene	15.46	91	15178	0.052	ppbv #	45
75) 1,3-Dichlorobenzene	17.00	146	12216	0.062	ppbv #	22
76) 1,4-Dichlorobenzene	17.14	146	5629	0.031	ppbv #	23
80) Naphthalene,2-methyl-	25.00	142	7778	0.164	ppbv #	86

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

Instrument :

MSVOA_L

ClientSampleId :

QC071320 CAN 10473

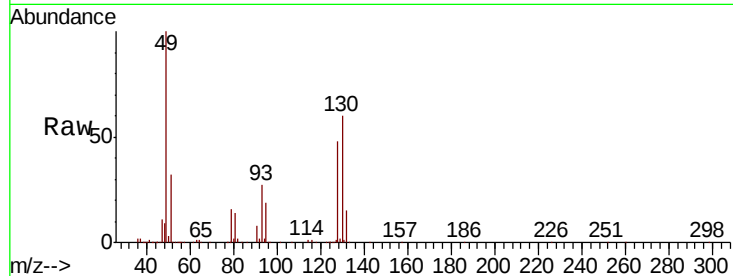
Tot Ion: 49 Resp: 1210032

Ion Ratio Lower Upper

49 100

128 48.6 23.8 71.4

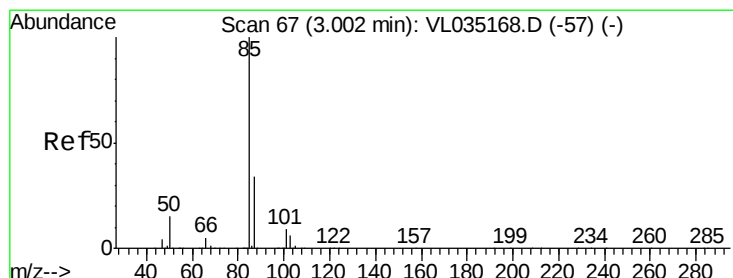
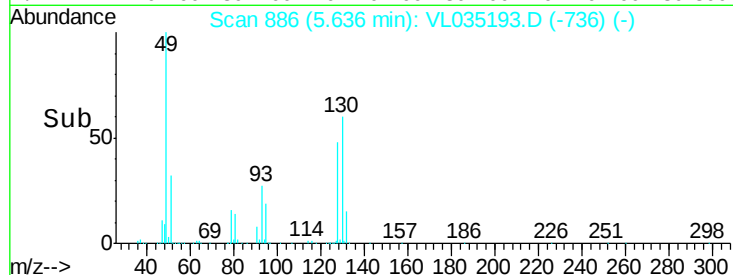
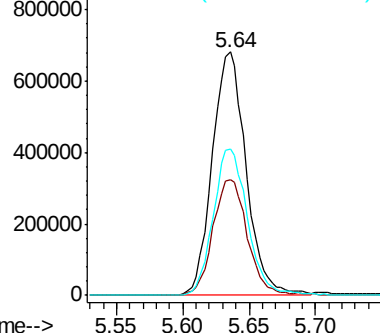
130 61.1 29.9 89.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.065 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.01 min

Lab File: VL035193.D

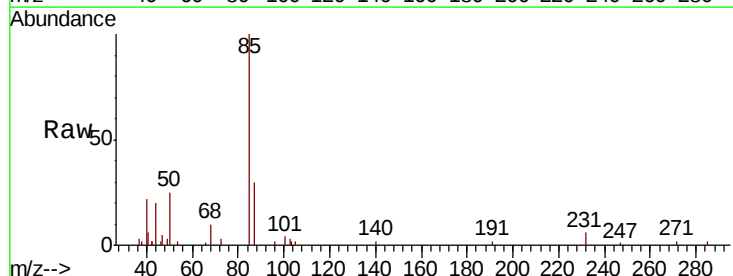
Acq: 16 Jul 2020 14:34

Tgt Ion: 85 Resp: 10968

Ion Ratio Lower Upper

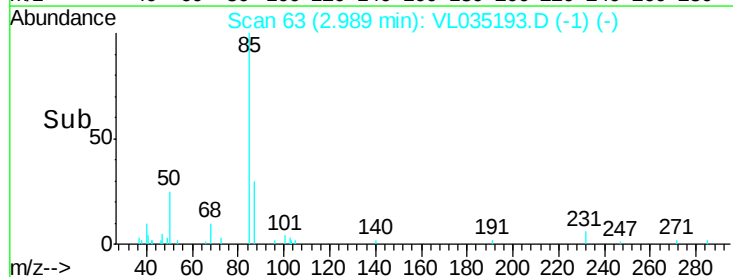
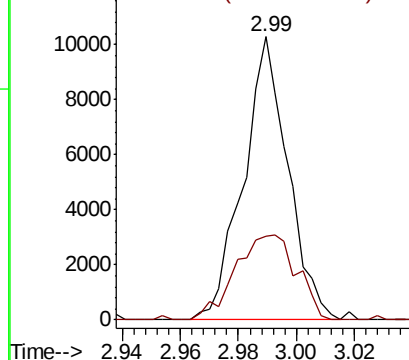
85 100

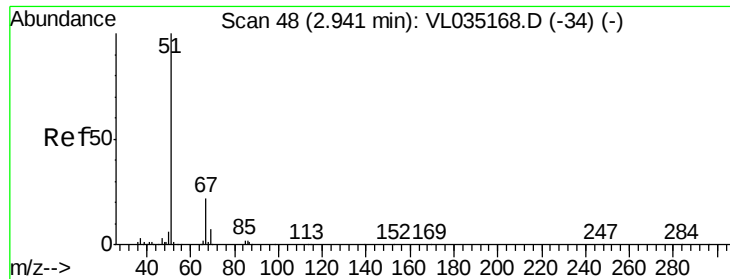
87 29.6 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

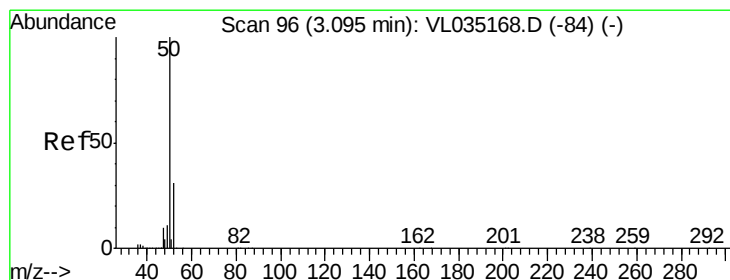
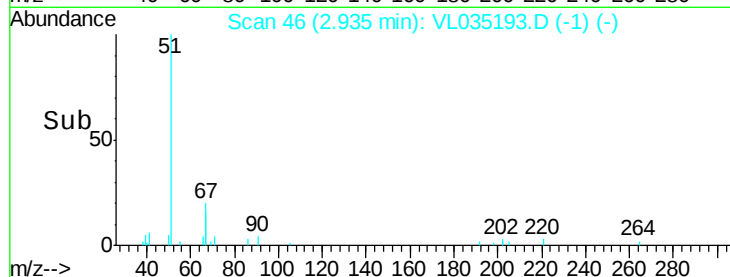
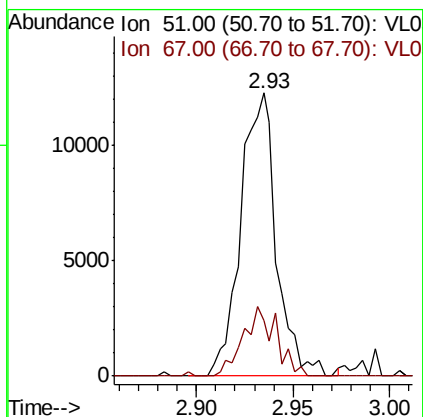
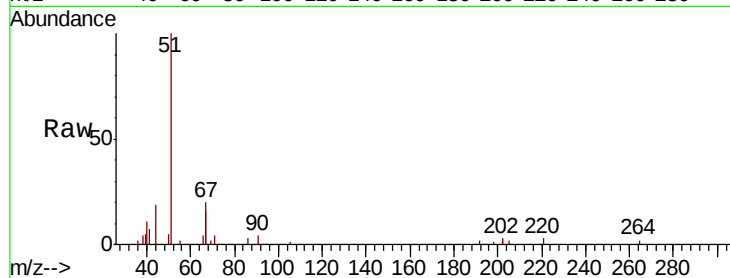




#3
Chlorodifluoromethane
Concen: 0.118 ppbv
RT: 2.93 min Scan# 46
Delta R.T. -0.01 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

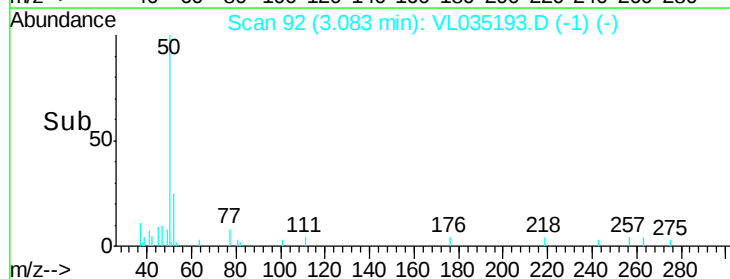
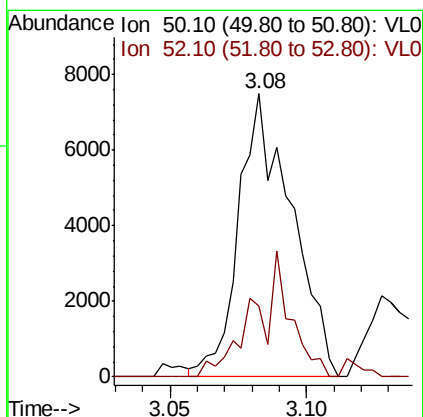
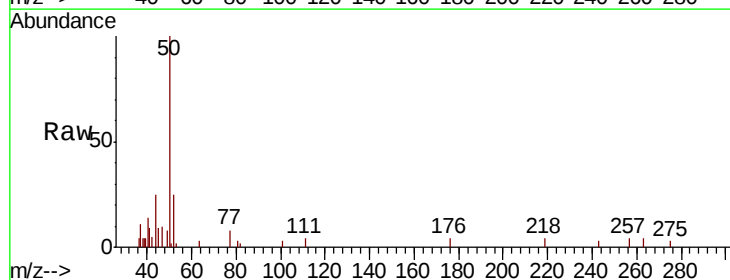
Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

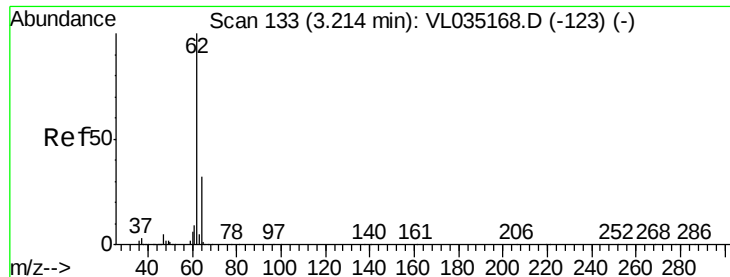
Tot Ion: 51 Resp: 15720
Ion Ratio Lower Upper
51 100
67 23.0 16.6 24.8



#4
Chloromethane
Concen: 0.134 ppbv
RT: 3.08 min Scan# 92
Delta R.T. -0.01 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion: 50 Resp: 10068
Ion Ratio Lower Upper
50 100
52 25.2 25.0 37.6





#5

Vinyl Chloride

Concen: 0.085 ppbv

RT: 3.20 min Scan# 130

Delta R.T. -0.01 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

Instrument :

MSVOA_L

ClientSampleId :

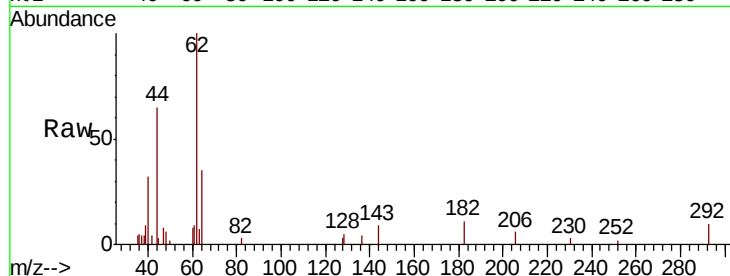
QC071320 CAN 10473

Tot Ion: 62 Resp: 6873

Ion Ratio Lower Upper

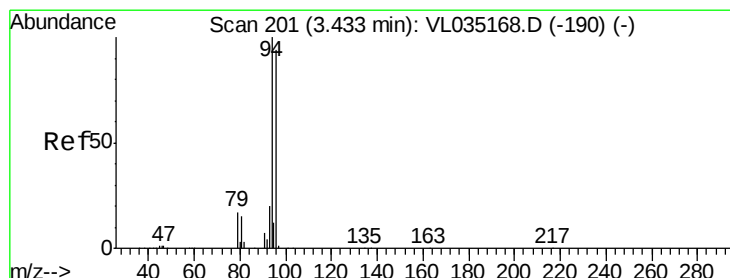
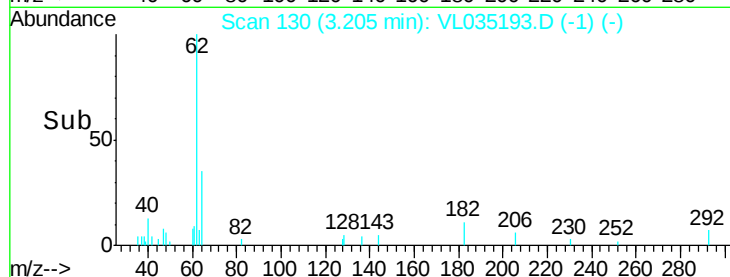
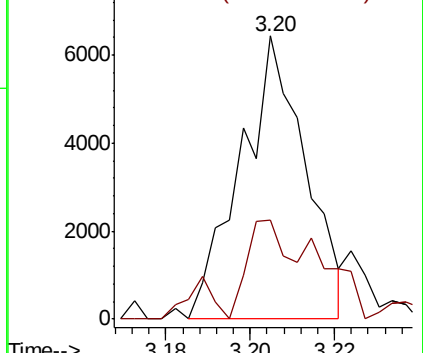
62 100

64 27.9 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.092 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL035193.D

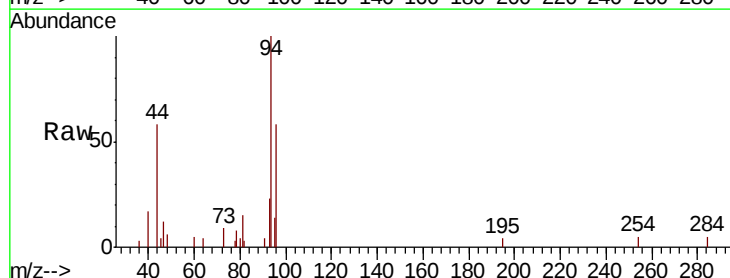
Acq: 16 Jul 2020 14:34

Tgt Ion: 94 Resp: 4188

Ion Ratio Lower Upper

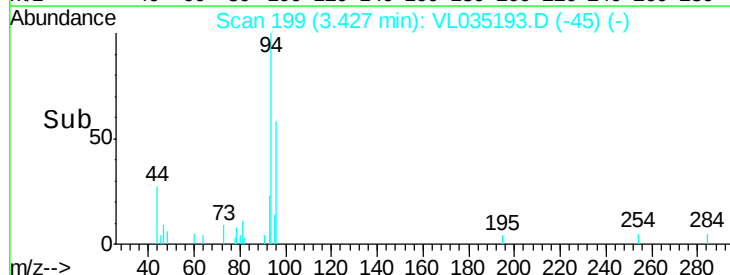
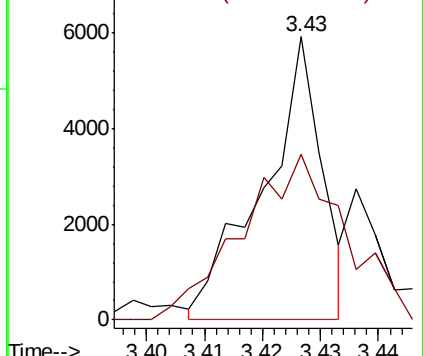
94 100

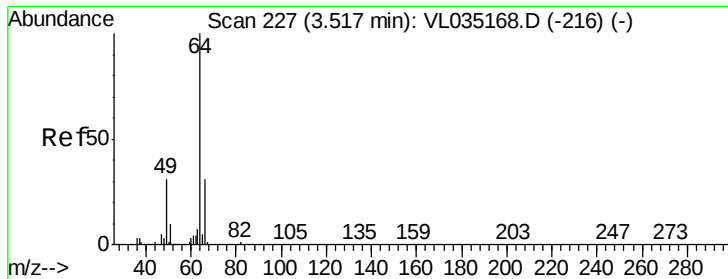
96 48.9 74.8 112.2#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.109 ppbv

RT: 3.51 min Scan# 225

Delta R.T. -0.01 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

Instrument :

MSVOA_L

ClientSampleId :

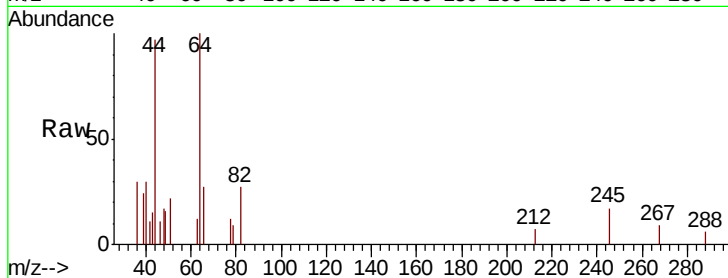
QC071320 CAN 10473

Tot Ion: 64 Resp: 3110

Ion Ratio Lower Upper

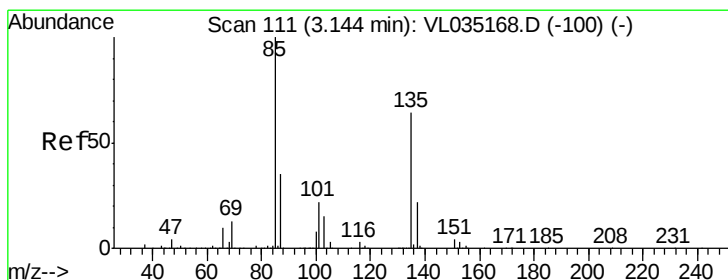
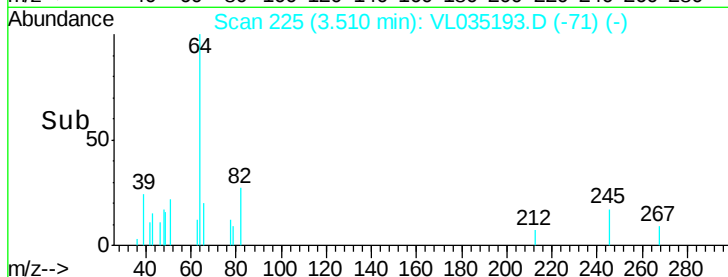
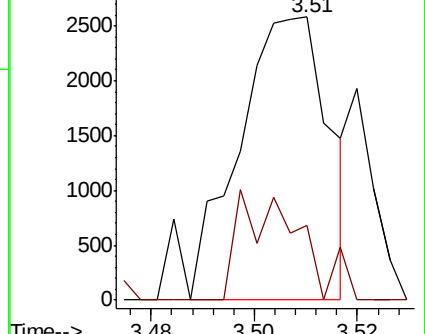
64 100

66 26.6 24.6 36.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.105 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.02 min

Lab File: VL035193.D

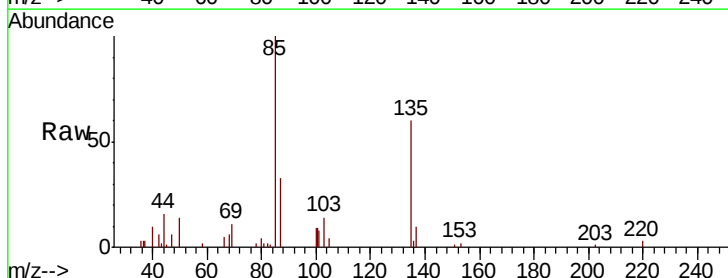
Acq: 16 Jul 2020 14:34

Tgt Ion: 85 Resp: 19457

Ion Ratio Lower Upper

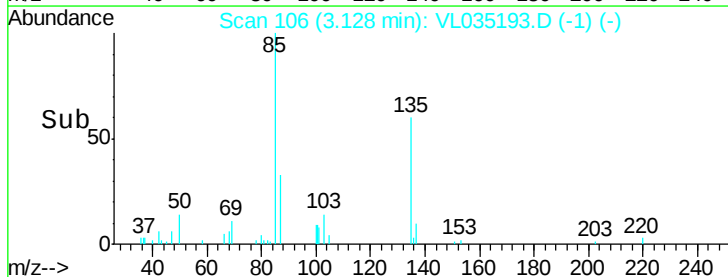
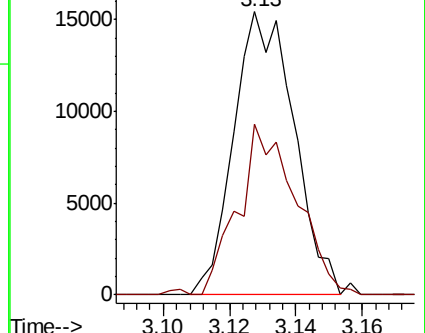
85 100

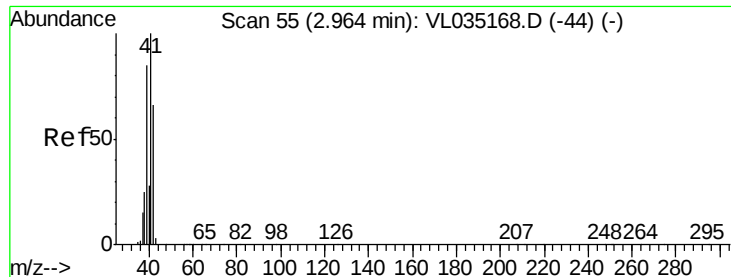
135 58.5 52.1 78.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.200 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.01 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

Instrument :

MSVOA_L

ClientSampleId :

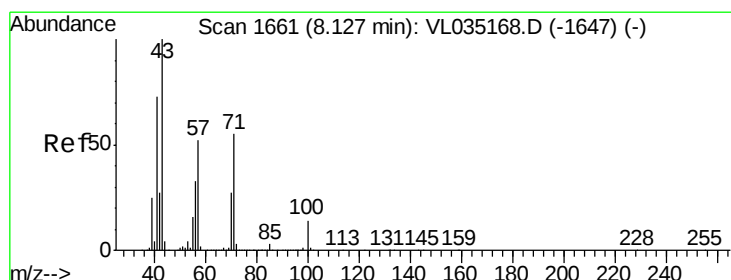
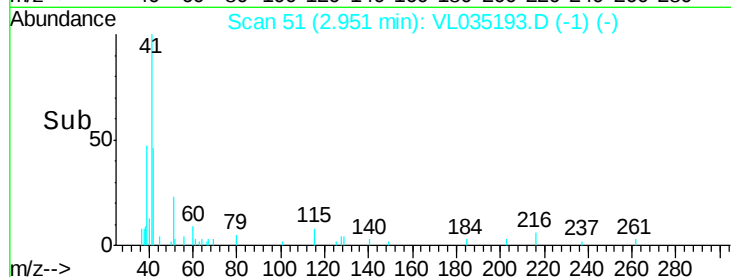
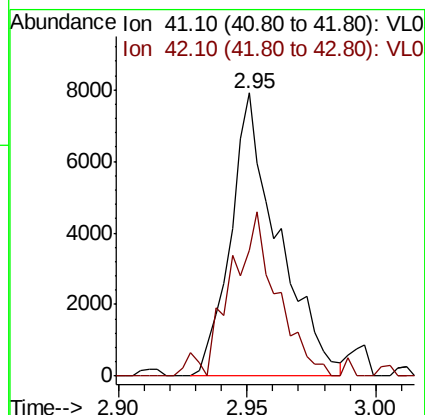
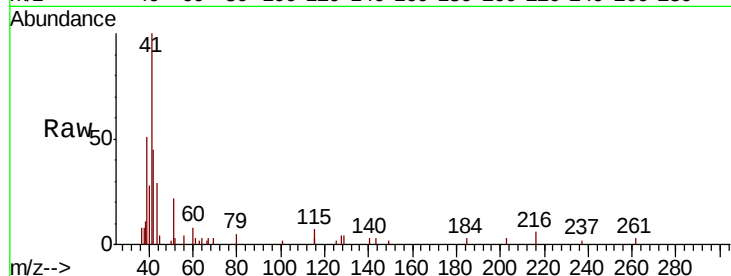
QC071320 CAN 10473

Tot Ion: 41 Resp: 10111

Ion Ratio Lower Upper

41 100

42 58.6 54.6 81.8



#10

Heptane

Concen: 0.041 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.03 min

Lab File: VL035193.D

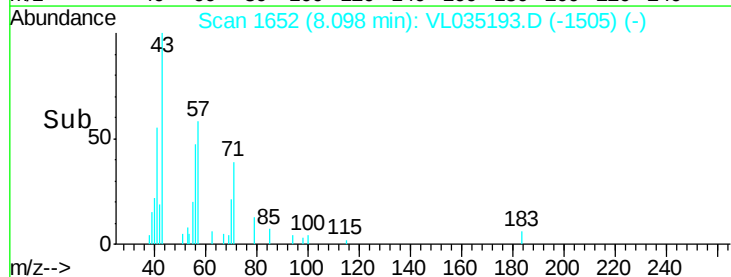
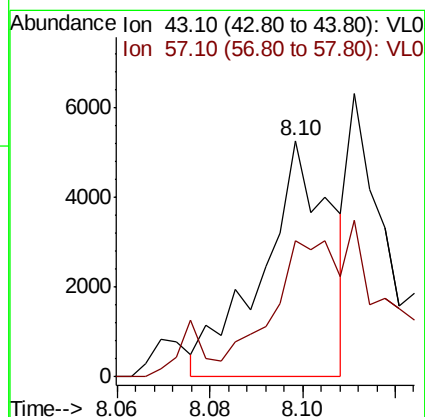
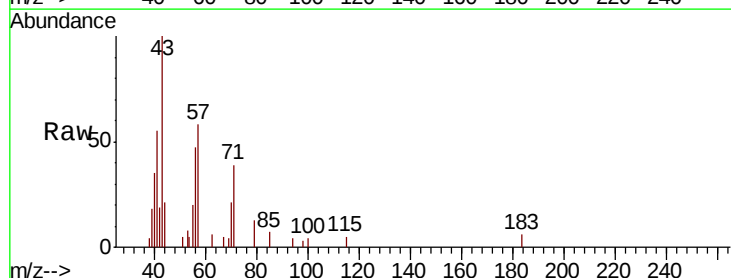
Acq: 16 Jul 2020 14:34

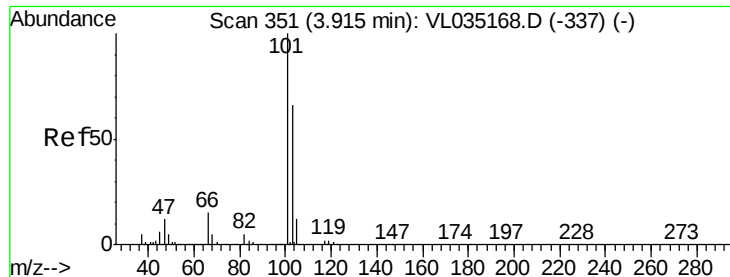
Tgt Ion: 43 Resp: 5353

Ion Ratio Lower Upper

43 100

57 0.0 41.8 62.6#

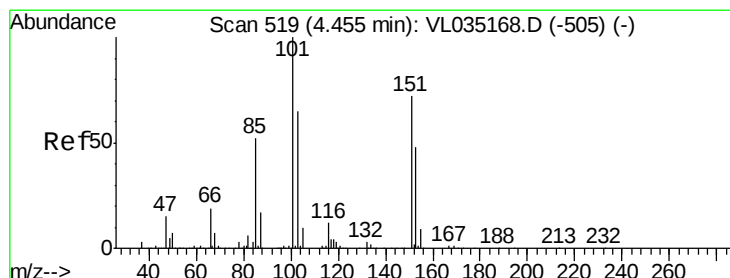
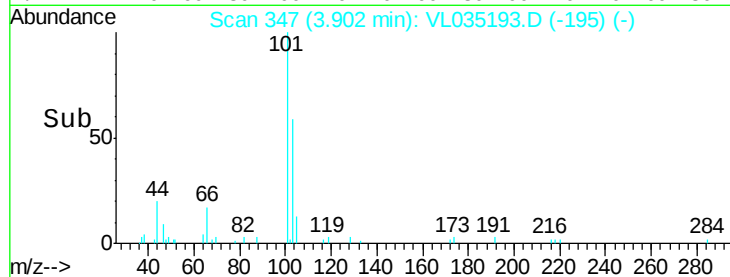
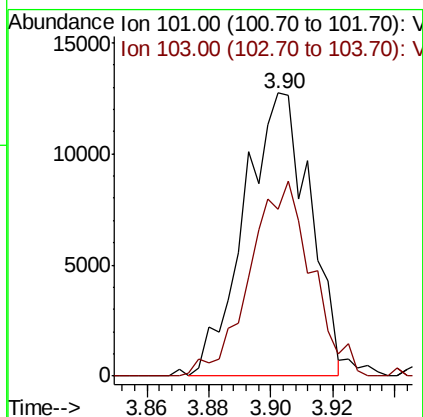
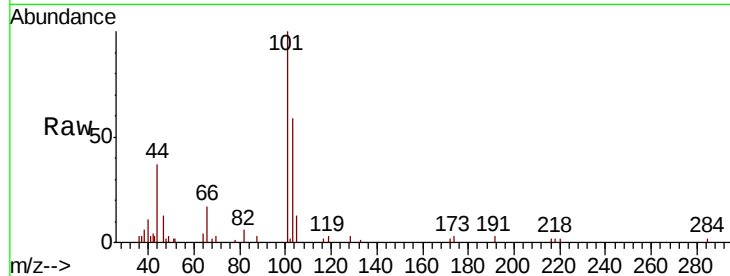




#11
 Trichlorofluoromethane
 Concen: 0.098 ppbv
 RT: 3.90 min Scan# 347
 Delta R.T. -0.01 min
 Lab File: VL035193.D
 Acq: 16 Jul 2020 14:34

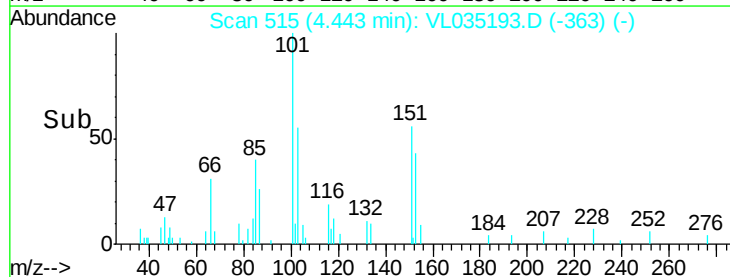
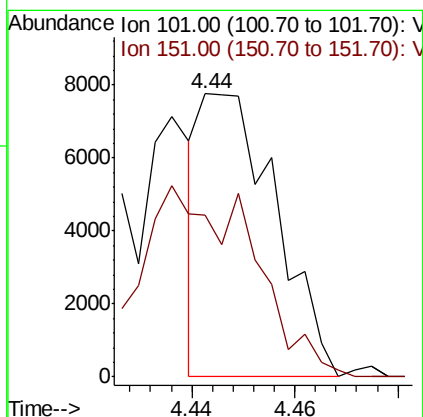
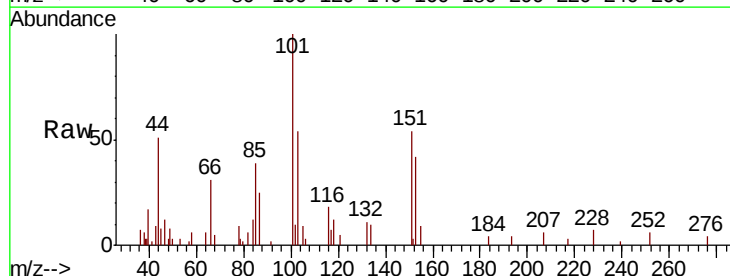
Instrument :
 MSVOA_L
 ClientSampleId :
 QC071320 CAN 10473

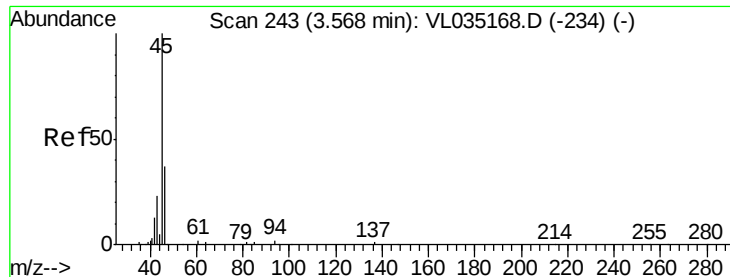
Tot Ion:101 Resp: 18697
 Ion Ratio Lower Upper
 101 100
 103 57.8 53.1 79.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.059 ppbv
 RT: 4.44 min Scan# 515
 Delta R.T. -0.01 min
 Lab File: VL035193.D
 Acq: 16 Jul 2020 14:34

Tgt Ion:101 Resp: 7901
 Ion Ratio Lower Upper
 101 100
 151 0.0 57.0 85.4#





#13

Ethanol

Concen: 0.109 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.01 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

Instrument :

MSVOA_L

ClientSampleId :

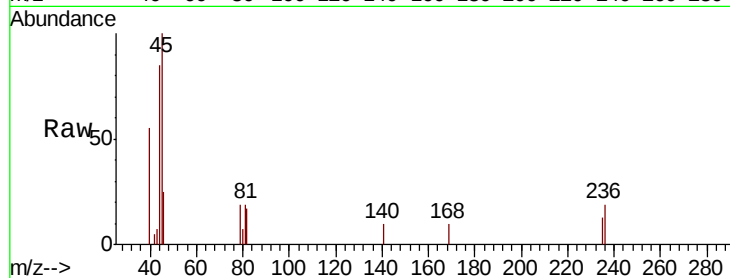
QC071320 CAN 10473

Tot Ion: 45 Resp: 1752

Ion Ratio Lower Upper

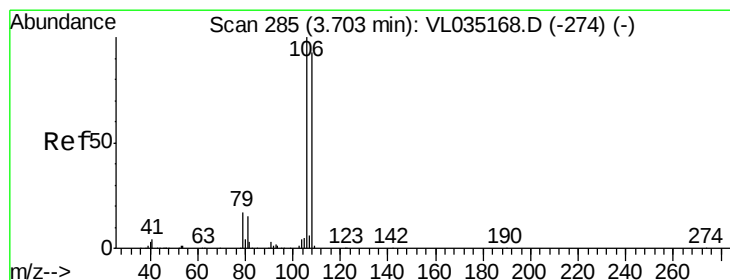
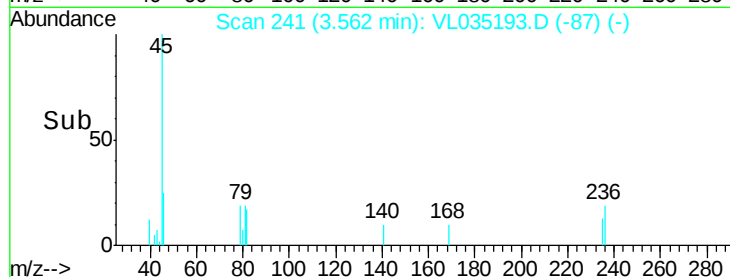
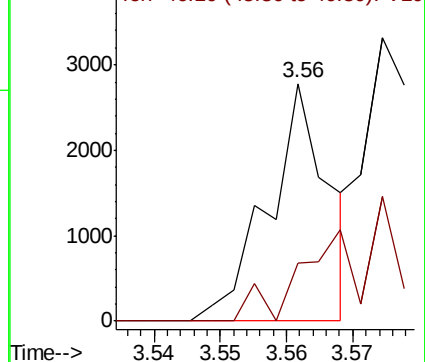
45 100

46 0.0 16.2 65.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.033 ppbv

RT: 3.69 min Scan# 280

Delta R.T. -0.02 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

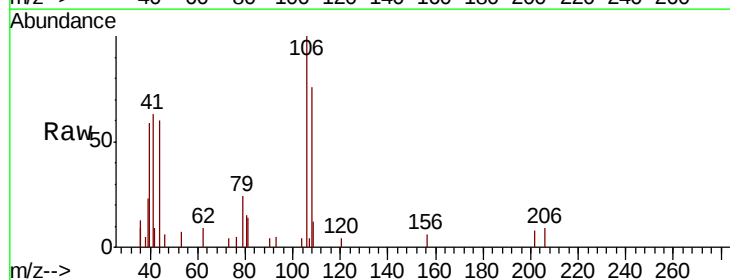
Tgt Ion: 108 Resp: 1816

Ion Ratio Lower Upper

108 100

106 0.0 86.2 129.2#

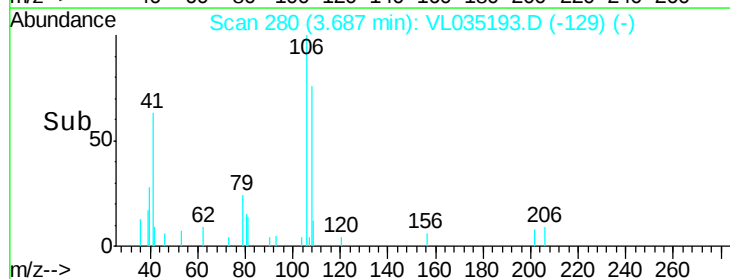
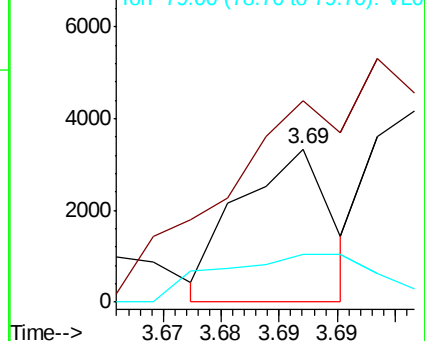
79 100.0 15.0 22.6#

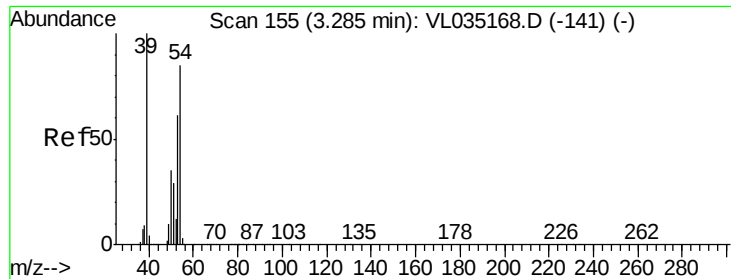


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

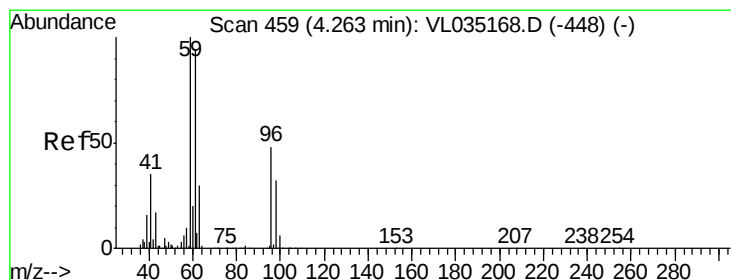
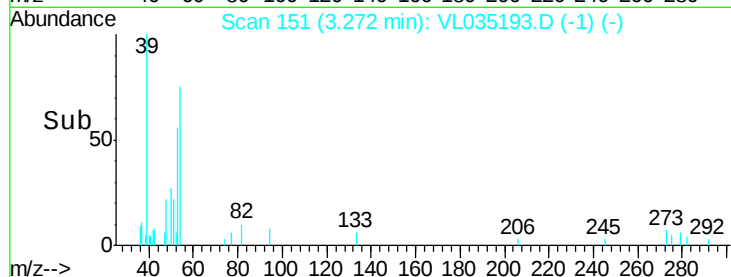
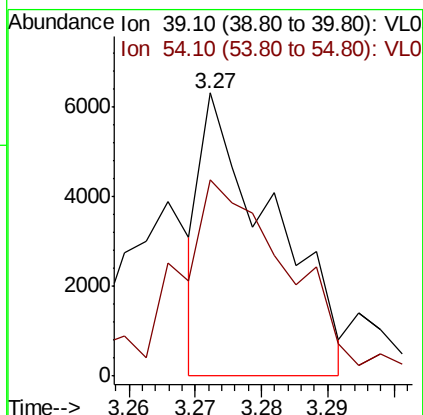
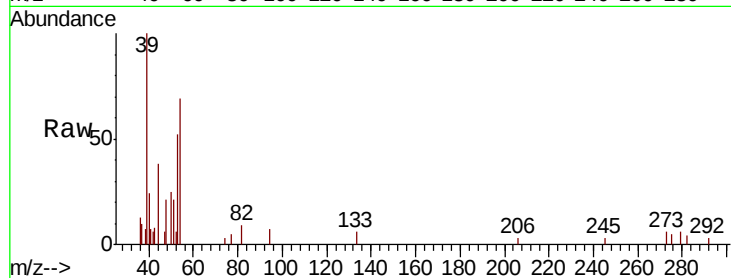




#16
1,3-Butadiene
Concen: 0.075 ppbv
RT: 3.27 min Scan# 151
Delta R.T. -0.01 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

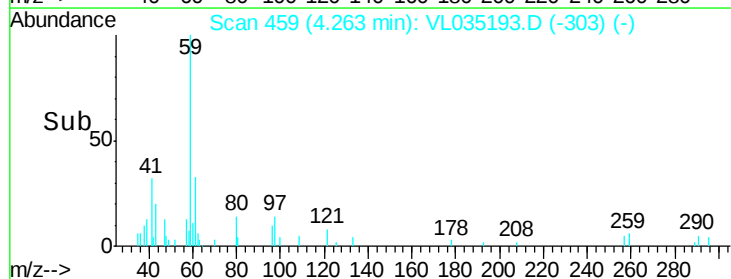
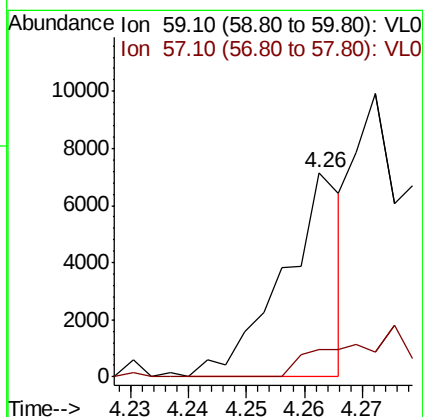
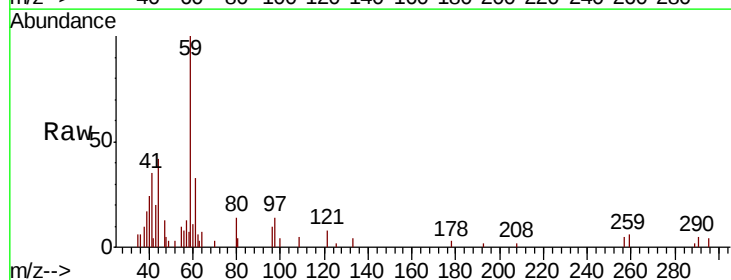
Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

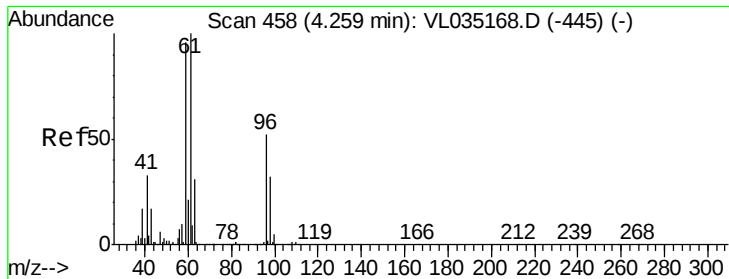
Tot Ion: 39 Resp: 4718
Ion Ratio Lower Upper
39 100
54 118.8 67.2 100.8#



#17
tert-Butyl alcohol
Concen: 0.035 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion: 59 Resp: 5056
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

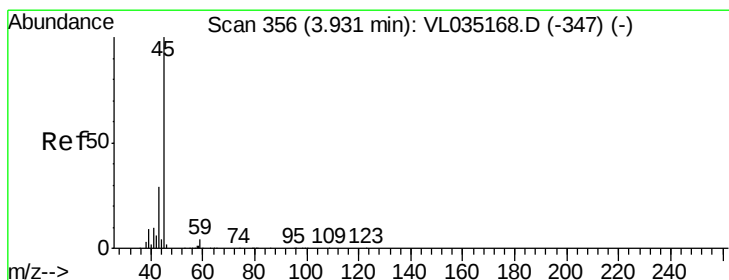
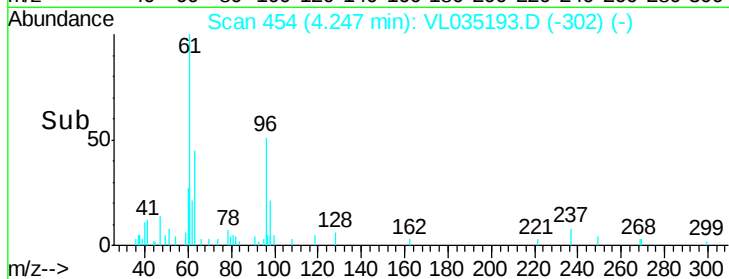
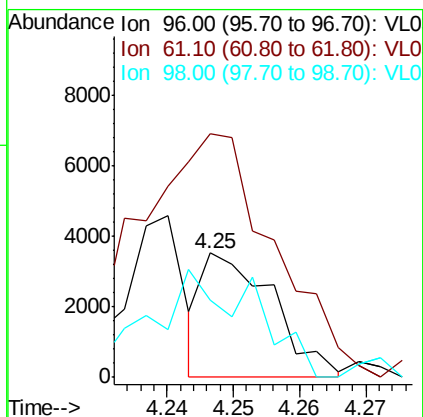
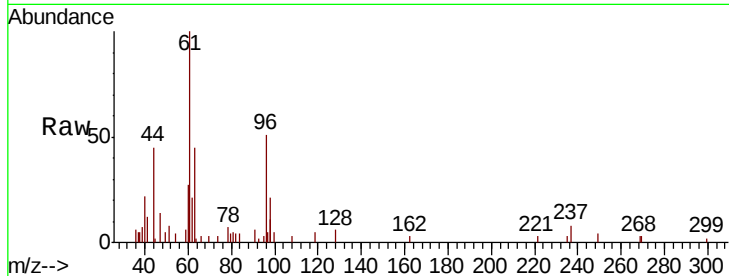




#18
 1,1-Dichloroethene
 Concen: 0.044 ppbv
 RT: 4.25 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VL035193.D
 Acq: 16 Jul 2020 14:34

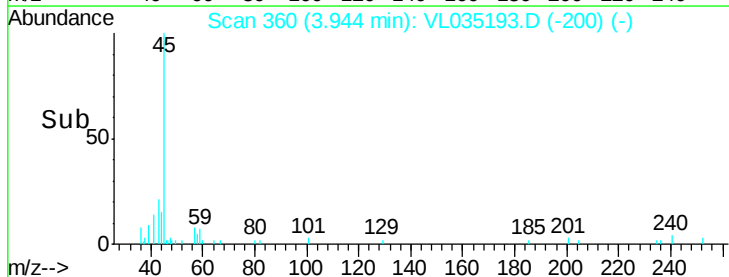
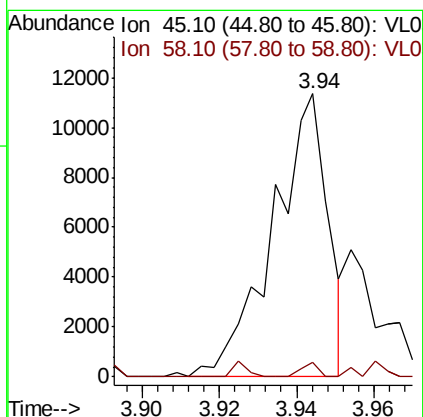
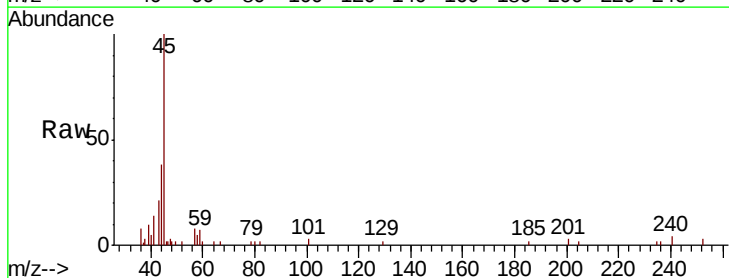
Instrument :
 MSVOA_L
 ClientSampleId :
 QC071320 CAN 10473

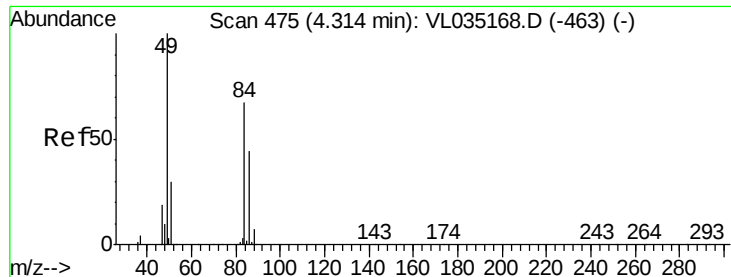
Tot Ion: 96 Resp: 2609
 Ion Ratio Lower Upper
 96 100
 61 180.5 152.9 229.3
 98 64.7 48.7 73.1



#19
 Isopropyl Alcohol
 Concen: 0.113 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.01 min
 Lab File: VL035193.D
 Acq: 16 Jul 2020 14:34

Tgt Ion: 45 Resp: 11156
 Ion Ratio Lower Upper
 45 100
 58 0.0 2.1 3.1#

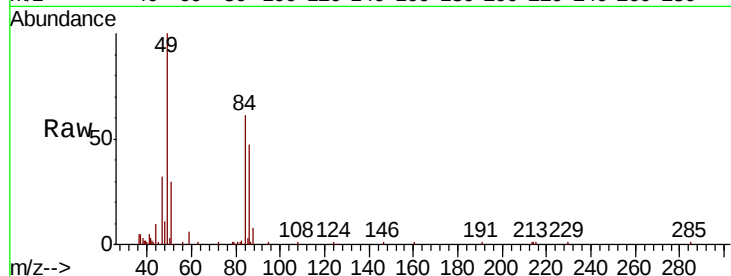




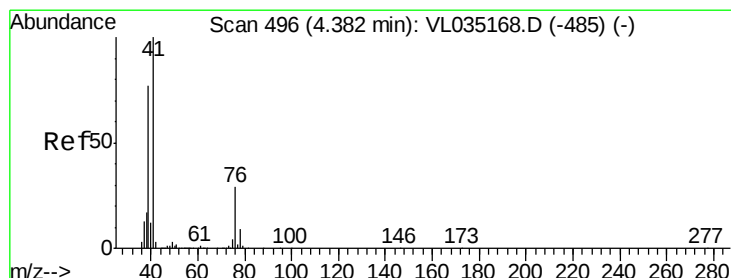
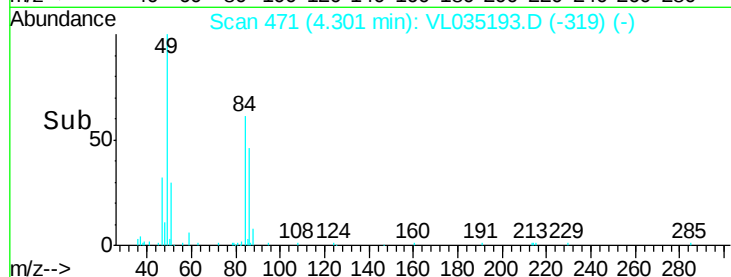
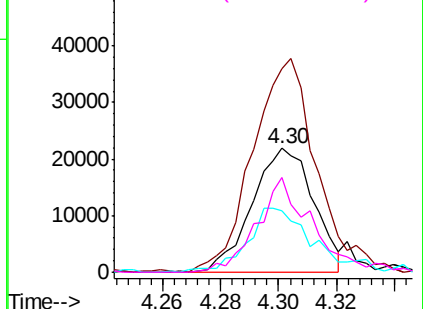
#20
Methvlene Chloride
Concen: 0.451 ppbv
RT: 4.30 min Scan# 471
Delta R.T. -0.01 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tot Ion:	84	Resp:	32153
Ion	Ratio	Lower	Upper
84	100		
49	164.3	119.4	179.0
51	47.9	36.6	55.0
86	76.5	52.5	78.7

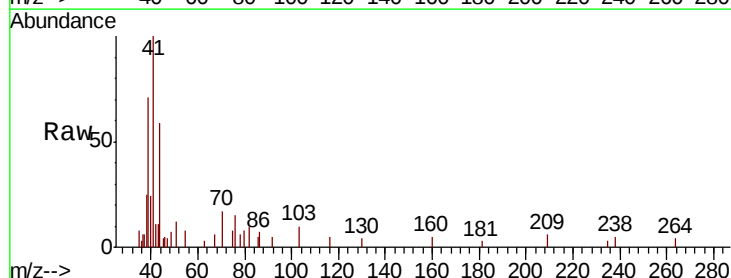


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

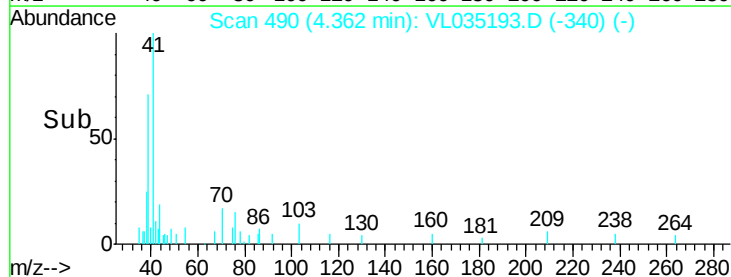
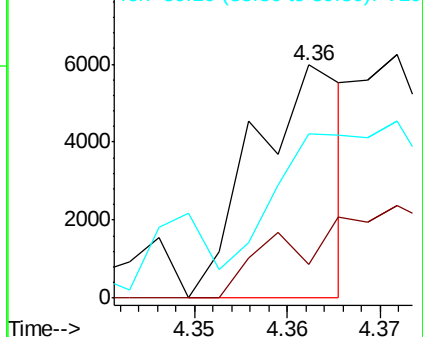


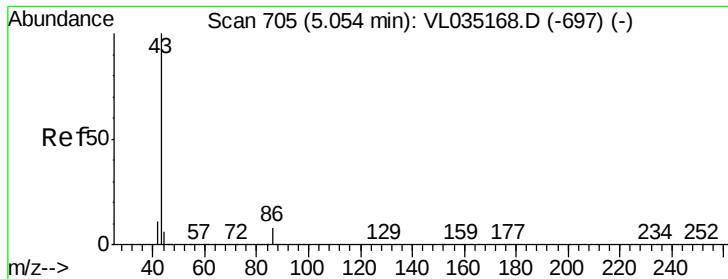
#21
Allyl Chloride
Concen: 0.042 ppbv
RT: 4.36 min Scan# 490
Delta R.T. -0.02 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion:	41	Resp:	4038
Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.5	35.3#
39	0.0	63.4	95.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.035 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.02 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

Instrument :

MSVOA_L

ClientSampleId :

QC071320 CAN 10473

Tot Ion: 43 Resp: 6277

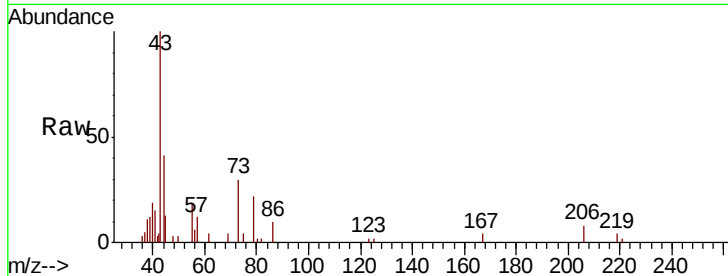
Ion Ratio Lower Upper

43 100

86 1.5 6.2 9.2#

42 0.0 9.1 13.7#

44 11.1 4.6 6.8#



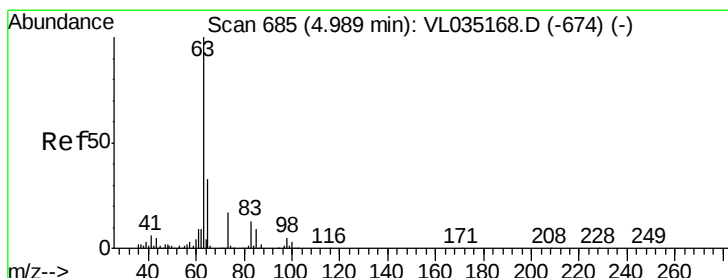
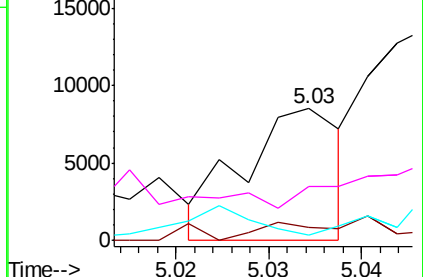
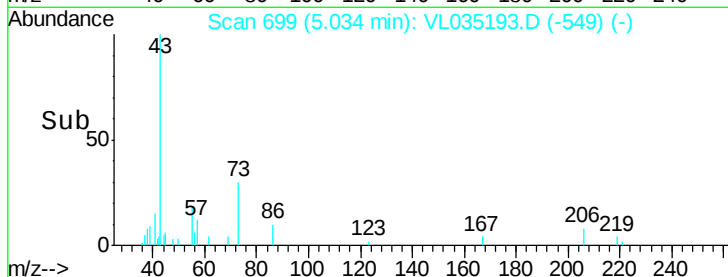
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

Time-->



#24

1,1-Dichloroethane

Concen: 0.054 ppbv

RT: 4.97 min Scan# 680

Delta R.T. -0.02 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

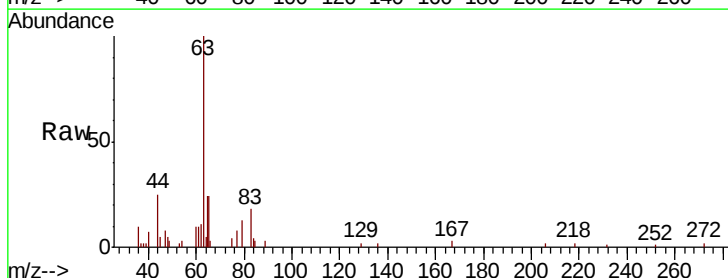
Tgt Ion: 63 Resp: 8283

Ion Ratio Lower Upper

63 100

98 0.0 2.4 7.1#

100 0.0 1.4 4.0#

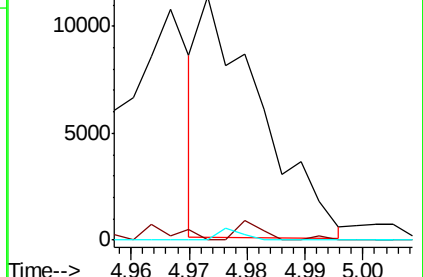
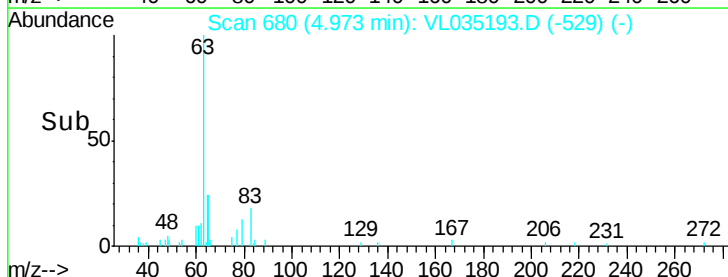


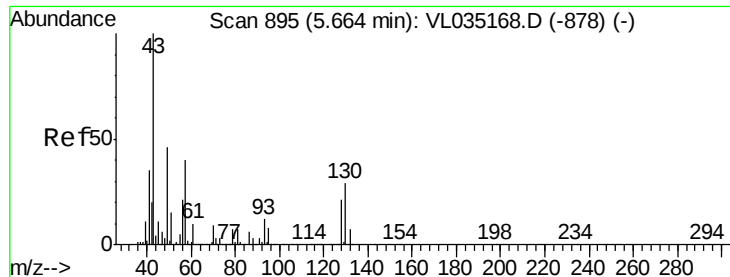
Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

Time-->

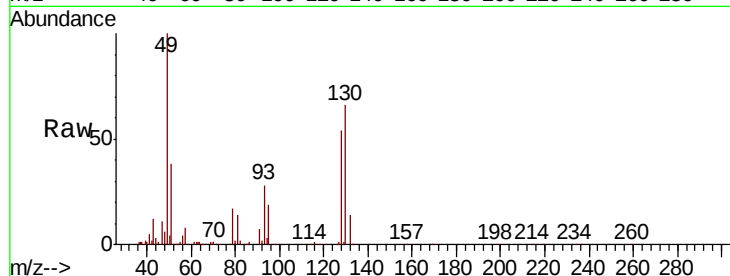




#25
Ethyl Acetate
Concen: 0.107 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

Tot Ion:	43	Resp:	27217
Ion	Ratio	Lower	Upper
43	100		
45	14.4	8.5	12.7#
61	11.3	8.1	12.1
70	9.1	6.3	9.5



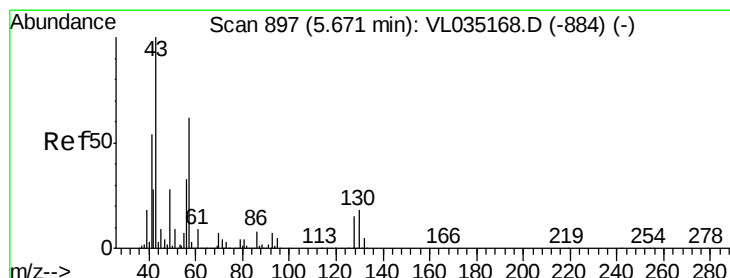
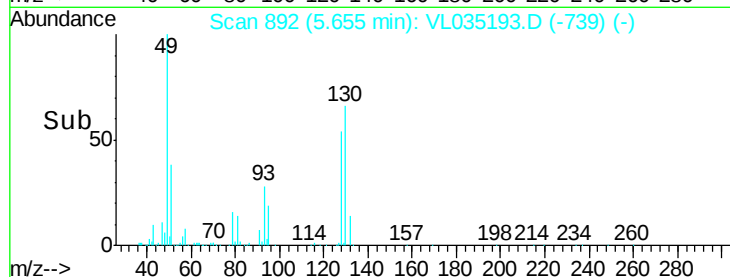
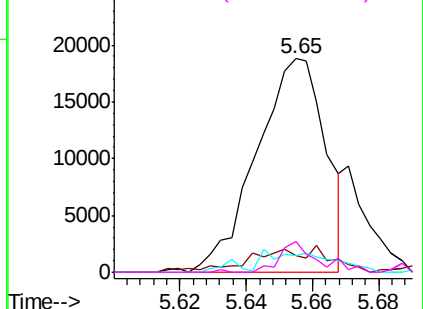
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

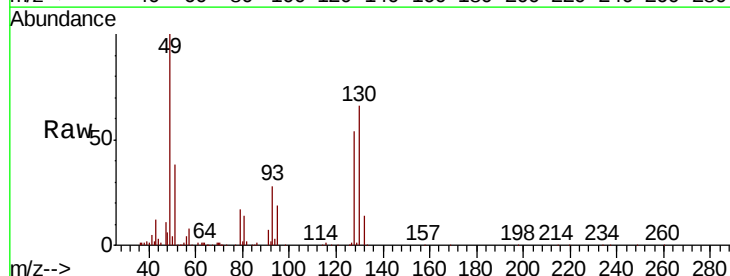
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 0.172 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion:	57	Resp:	19230
Ion	Ratio	Lower	Upper
57	100		
41	95.4	72.9	109.3
43	172.6	179.5	269.3#
56	60.5	42.9	64.3



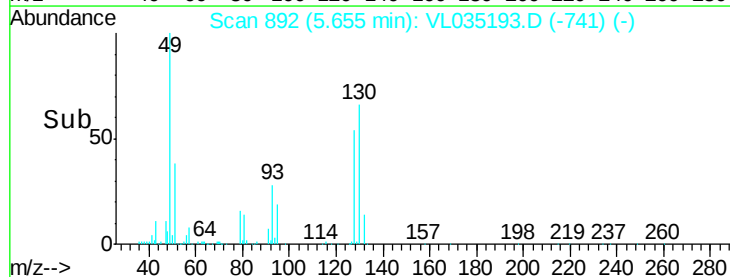
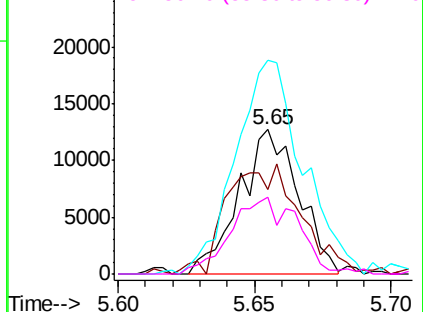
Abundance

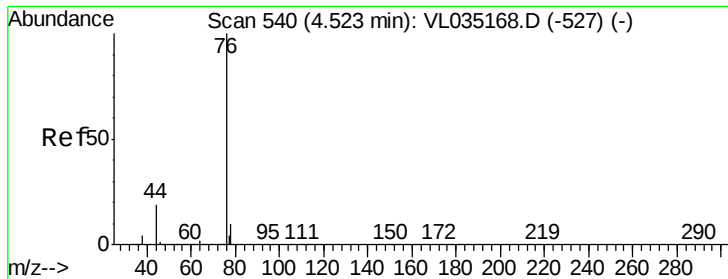
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.062 ppbv

RT: 4.51 min Scan# 536

Delta R.T. -0.01 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

Instrument :

MSVOA_L

ClientSampleId :

QC071320 CAN 10473

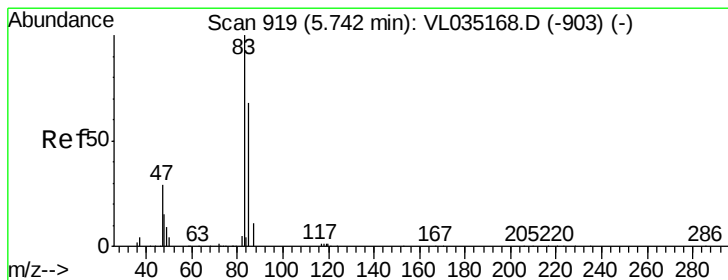
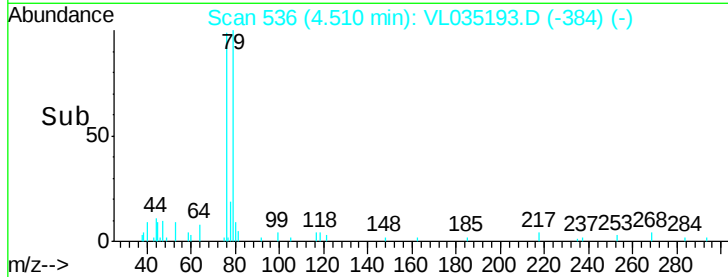
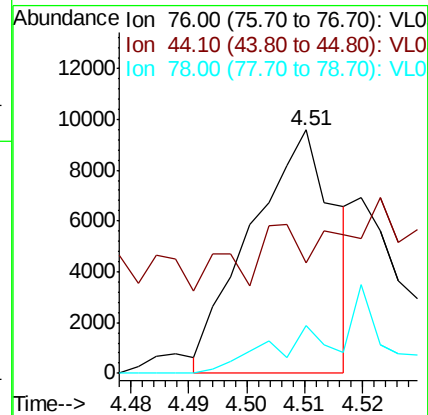
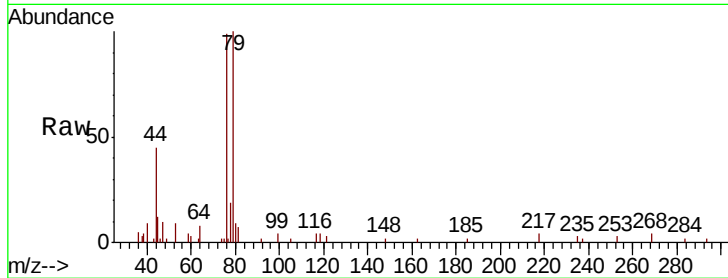
Tot Ion: 76 Resp: 9661

Ion Ratio Lower Upper

76 100

44 0.0 14.9 22.3#

78 0.0 7.5 11.3#



#29

Chloroform

Concen: 0.101 ppbv

RT: 5.72 min Scan# 913

Delta R.T. -0.02 min

Lab File: VL035193.D

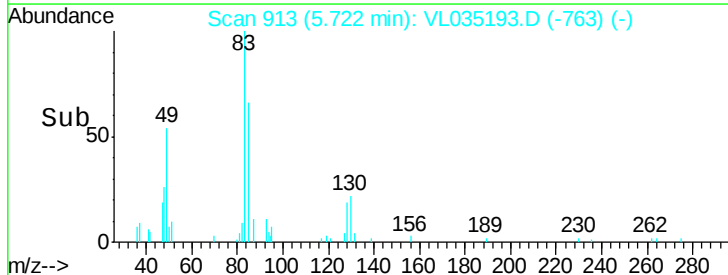
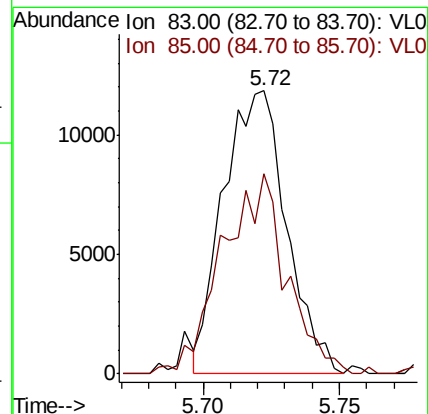
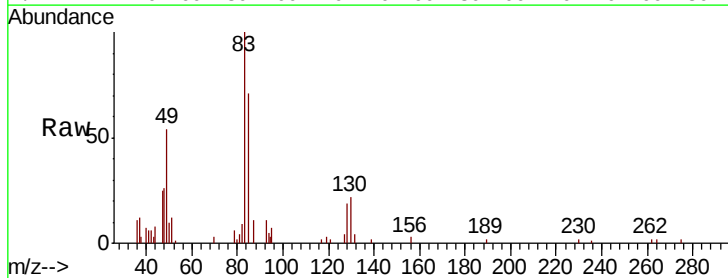
Acq: 16 Jul 2020 14:34

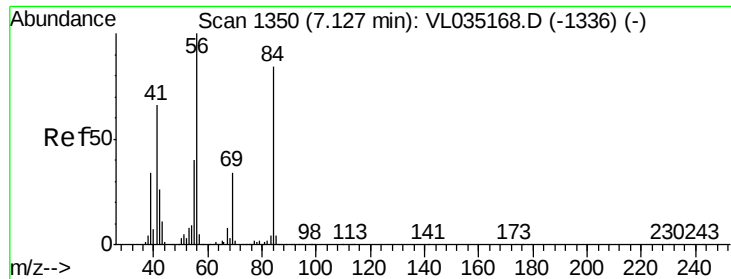
Tgt Ion: 83 Resp: 19057

Ion Ratio Lower Upper

83 100

85 68.6 54.3 81.5

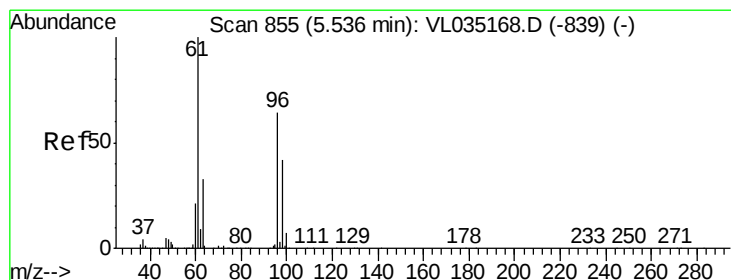
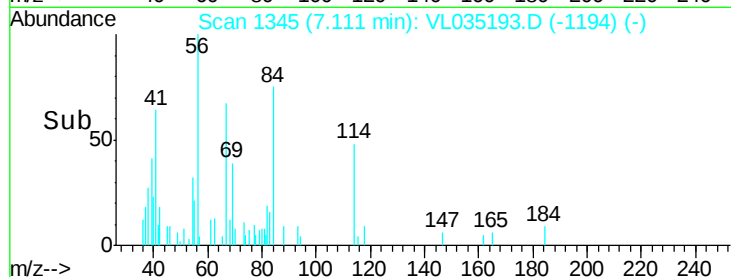
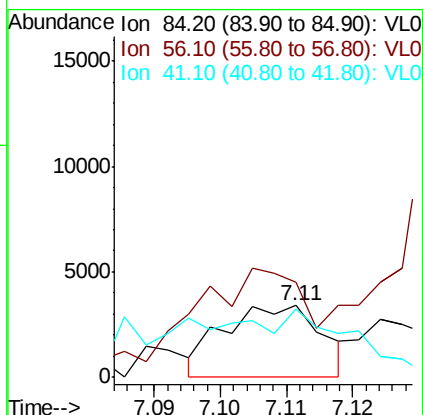
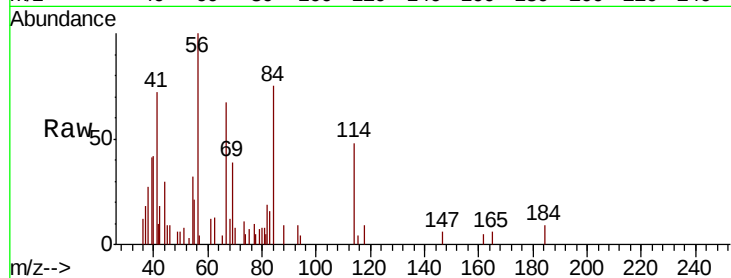




#30
Cvclohexane
Concen: 0.042 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.02 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

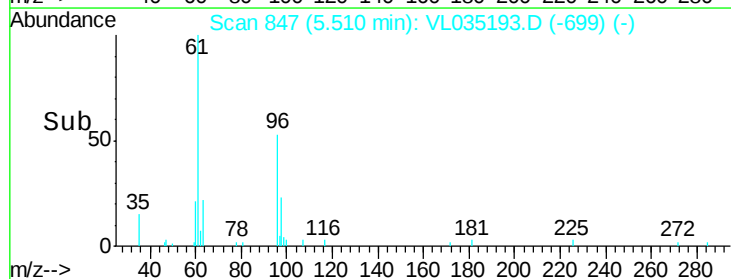
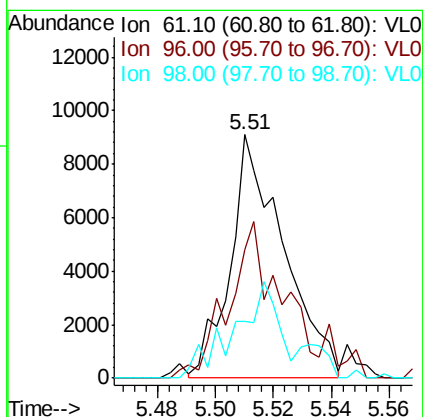
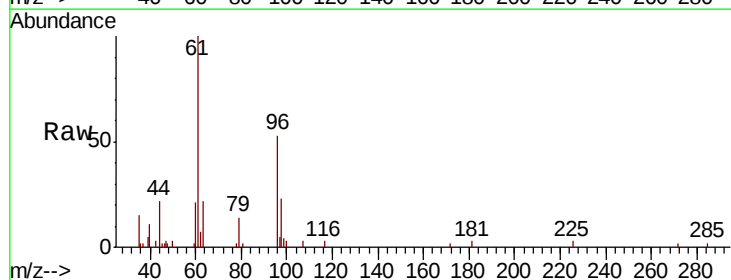
Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

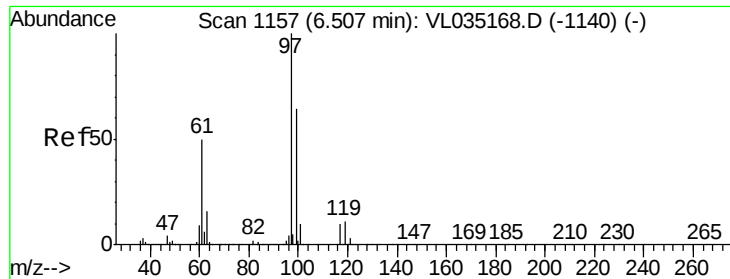
Tot Ion: 84 Resp: 3490
Ion Ratio Lower Upper
84 100
56 0.0 105.6 158.4#
41 216.5 64.9 97.3#



#31
cis-1,2-Dichloroethene
Concen: 0.110 ppbv
RT: 5.51 min Scan# 847
Delta R.T. -0.03 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion: 61 Resp: 11676
Ion Ratio Lower Upper
61 100
96 49.3 51.3 76.9#
98 23.9 33.8 50.8#





#32

1,1,1-Trichloroethane

Concen: 0.052 ppbv

RT: 6.49 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

Instrument :

MSVOA_L

ClientSampleId :

QC071320 CAN 10473

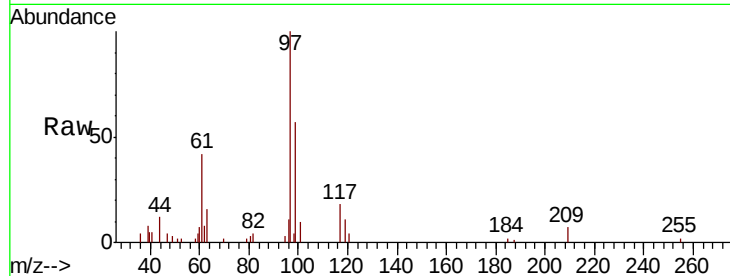
Tot Ion: 97 Resp: 9784

Ion Ratio Lower Upper

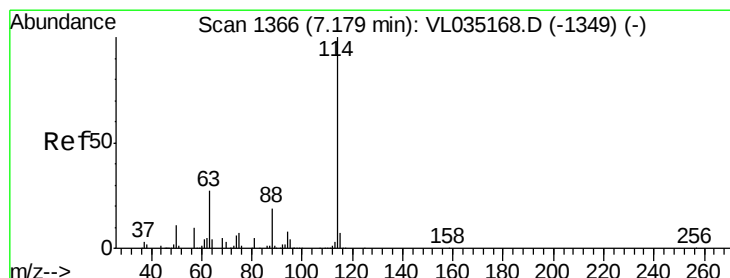
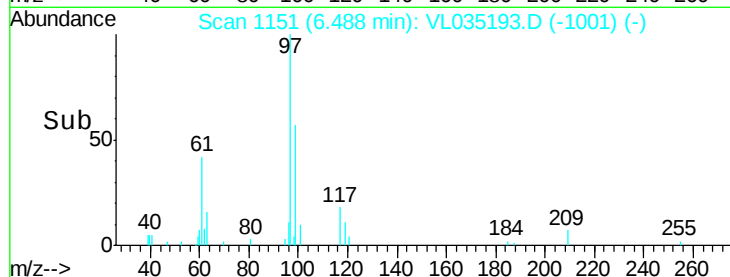
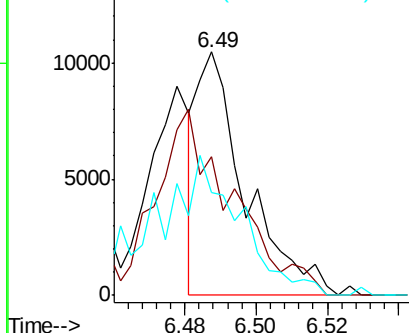
97 100

99 126.6 51.2 76.8#

61 100.7 40.9 61.3#



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.03 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

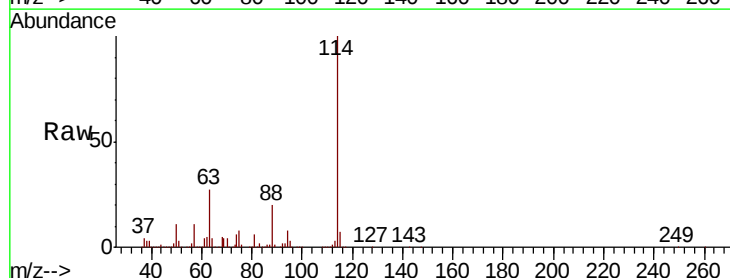
Tgt Ion: 114 Resp: 2867746

Ion Ratio Lower Upper

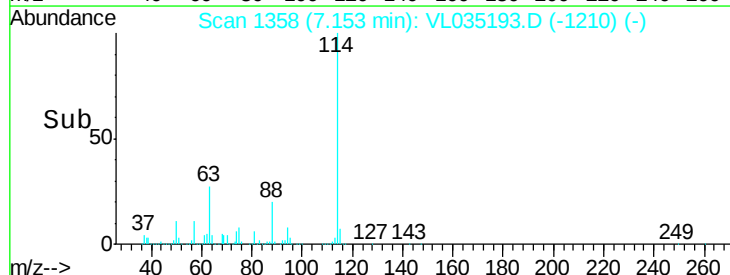
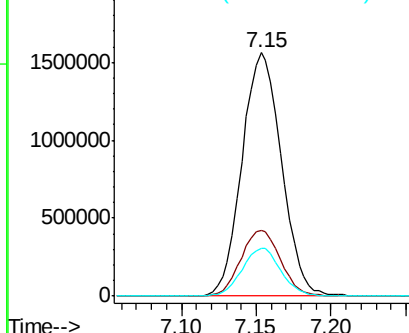
114 100

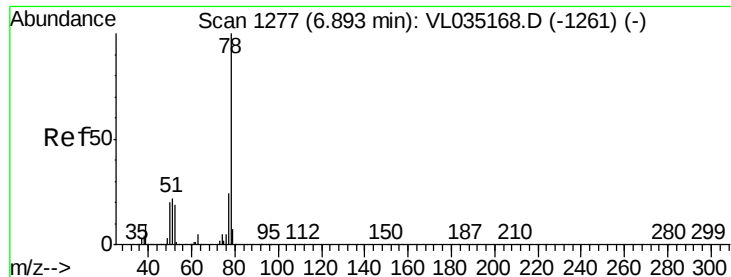
63 27.3 22.0 33.0

88 19.4 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#36

Benzene

Concen: 0.106 ppbv

RT: 6.87 min Scan# 1269

Delta R.T. -0.03 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

Instrument :

MSVOA_L

ClientSampleId :

QC071320 CAN 10473

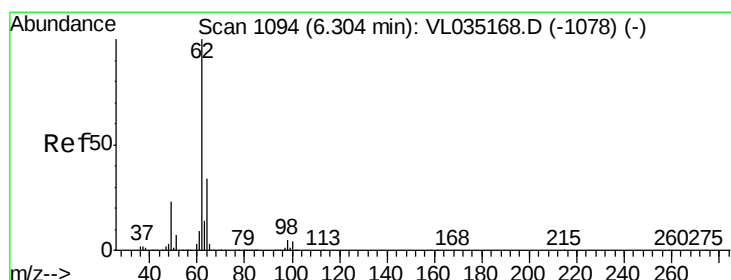
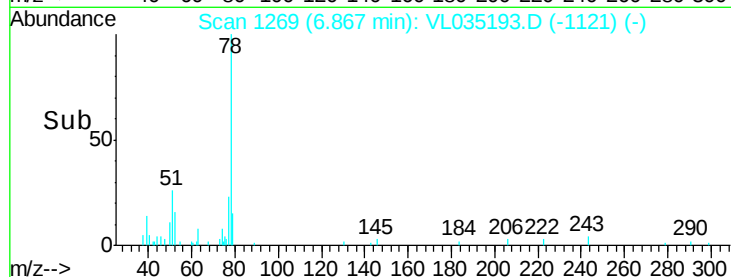
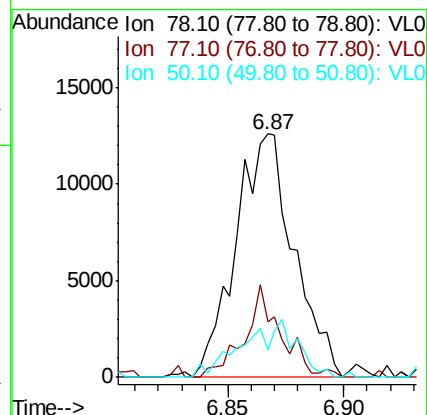
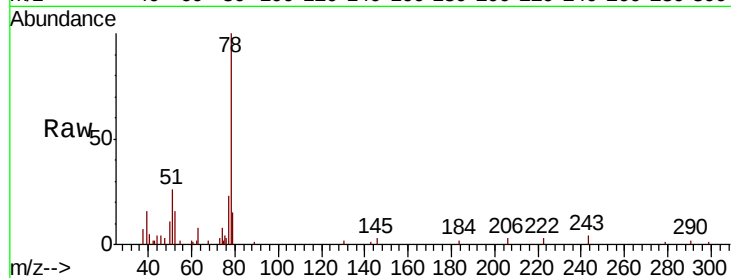
Tot Ion: 78 Resp: 22023

Ion Ratio Lower Upper

78 100

77 22.7 19.3 28.9

50 11.0 16.0 24.0#



#37

1,2-Dichloroethane

Concen: 0.048 ppbv

RT: 6.28 min Scan# 1087

Delta R.T. -0.02 min

Lab File: VL035193.D

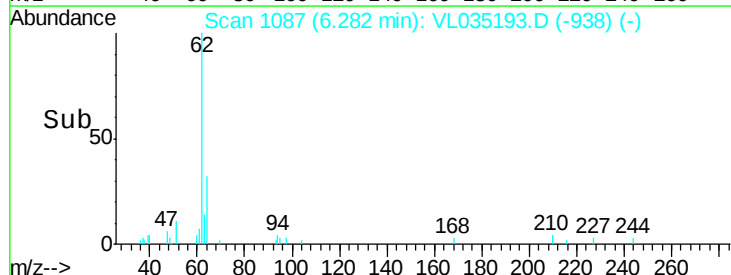
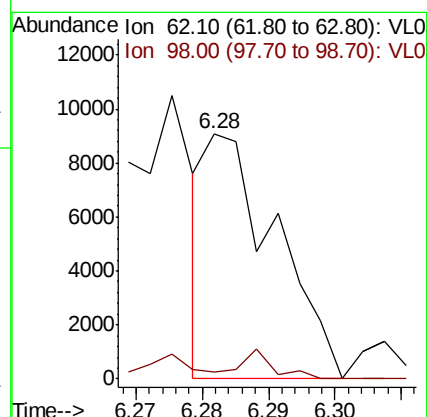
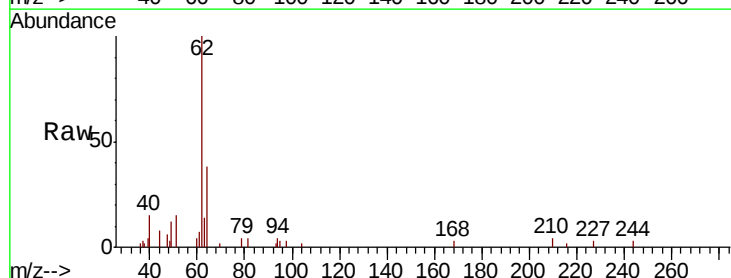
Acq: 16 Jul 2020 14:34

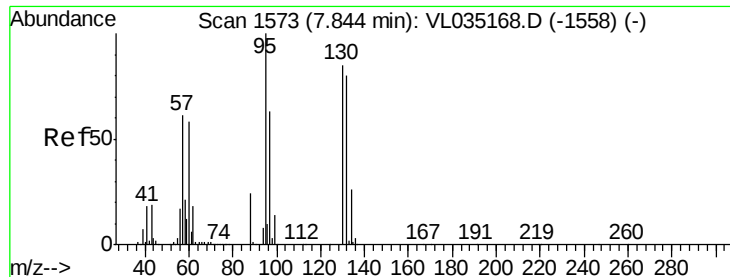
Tgt Ion: 62 Resp: 6641

Ion Ratio Lower Upper

62 100

98 14.2 4.6 6.8#





#38

Trichloroethene

Concen: 0.037 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.03 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

Instrument :

MSVOA_L

ClientSampleId :

QC071320 CAN 10473

Tot Ion:130 Resp: 3168

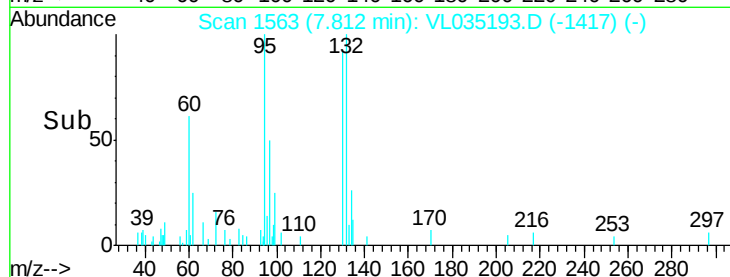
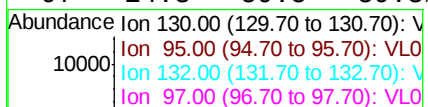
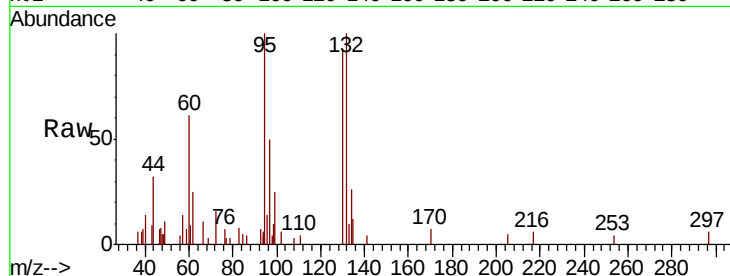
Ion Ratio Lower Upper

130 100

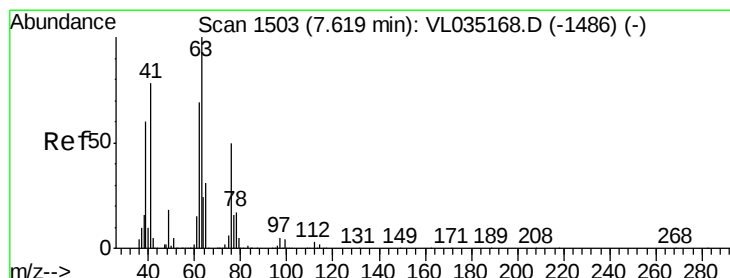
95 112.0 93.8 140.8

132 152.7 75.0 112.4#

97 14.3 59.5 89.3#



Time-->



#39

1,2-Dichloropropane

Concen: 9.429 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.47 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

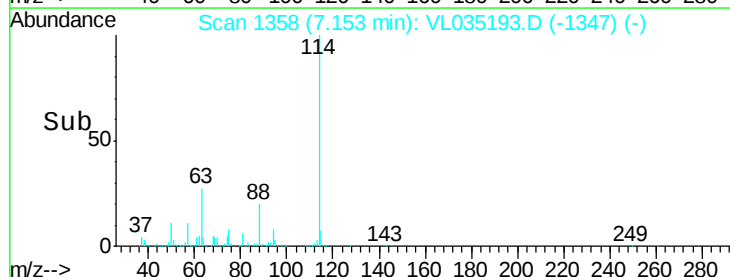
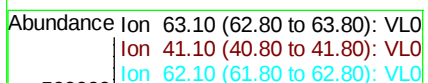
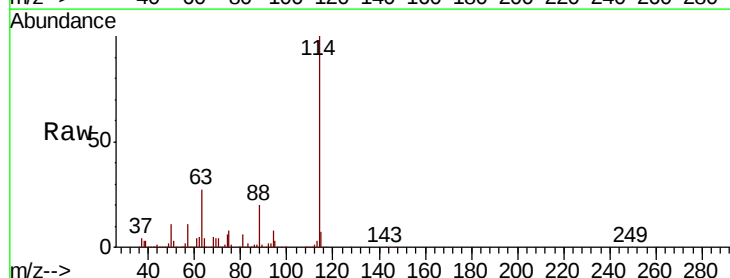
Tgt Ion: 63 Resp: 778289

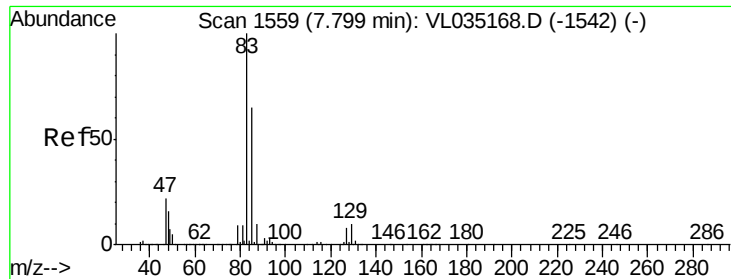
Ion Ratio Lower Upper

63 100

41 0.1 62.6 94.0#

62 17.8 55.0 82.6#





#42

Bromodichloromethane

Concen: 0.061 ppbv

RT: 7.77 min Scan# 1550

Delta R.T. -0.03 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

Instrument :

MSVOA_L

ClientSampleId :

QC071320 CAN 10473

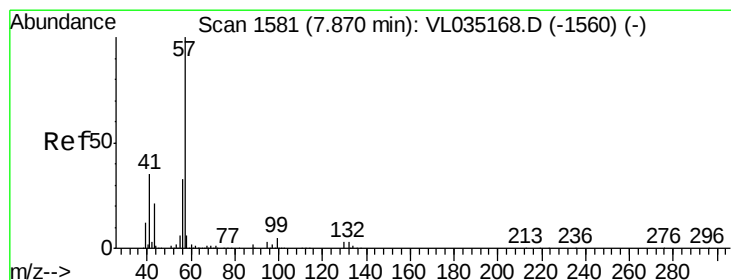
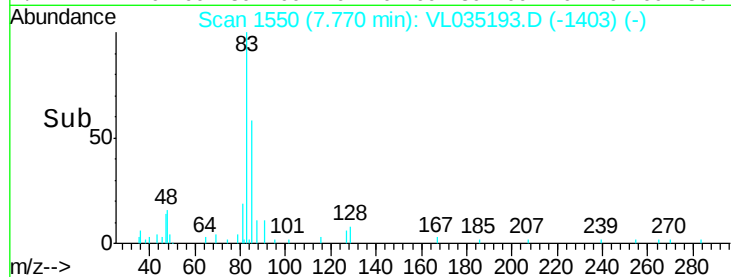
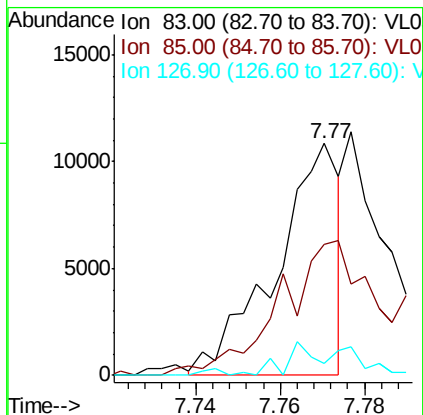
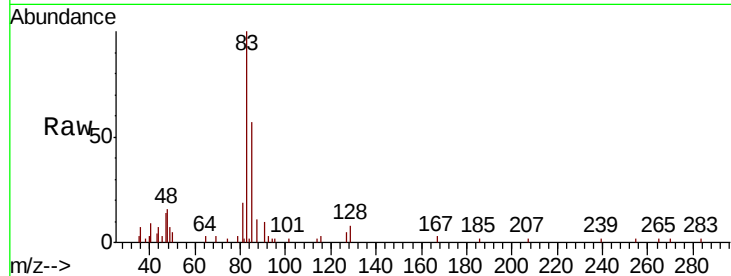
Tot Ion: 83 Resp: 11347

Ion Ratio Lower Upper

83 100

85 53.5 52.2 78.4

127 5.5 6.3 9.5#



#44

2,2,4-Trimethylpentane

Concen: 0.030 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.03 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

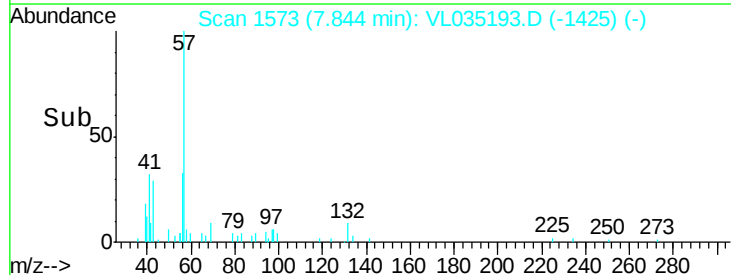
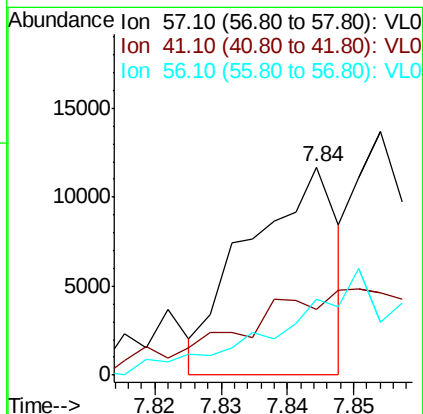
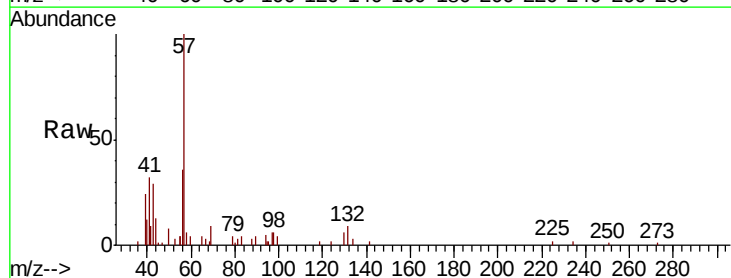
Tgt Ion: 57 Resp: 10881

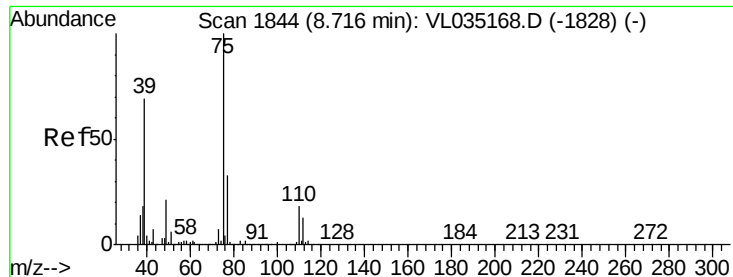
Ion Ratio Lower Upper

57 100

41 0.0 27.0 40.6#

56 0.0 25.5 38.3#

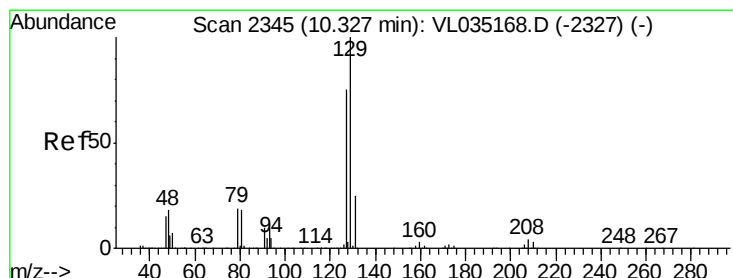
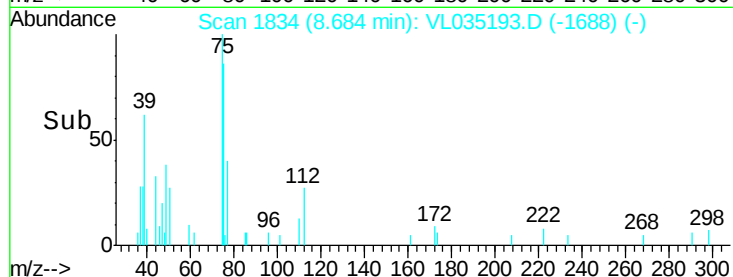
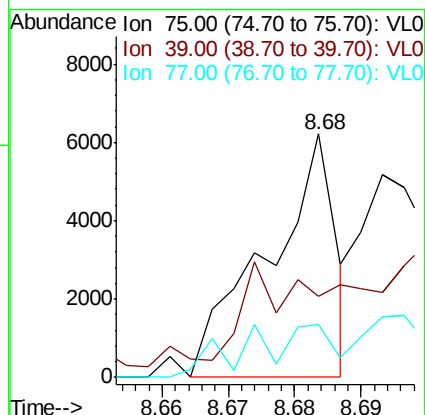
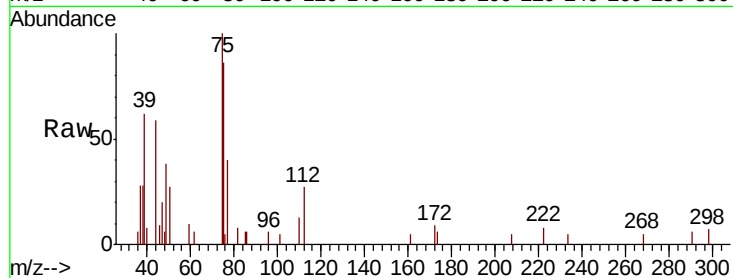




#46
 cis-1,3-Dichloropropene
 Concen: 0.041 ppbv
 RT: 8.68 min Scan# 1834
 Delta R.T. -0.03 min
 Lab File: VL035193.D
 Acq: 16 Jul 2020 14:34

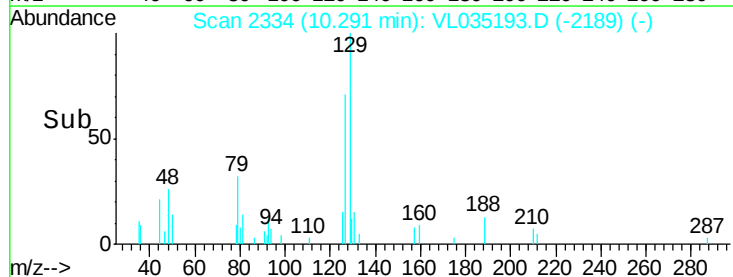
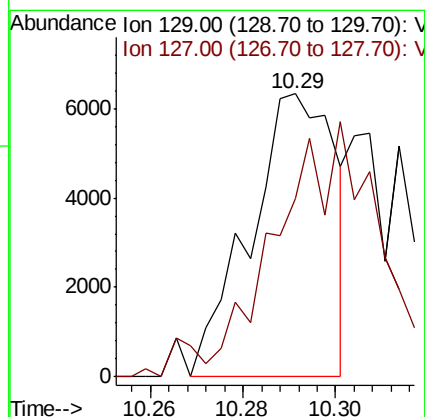
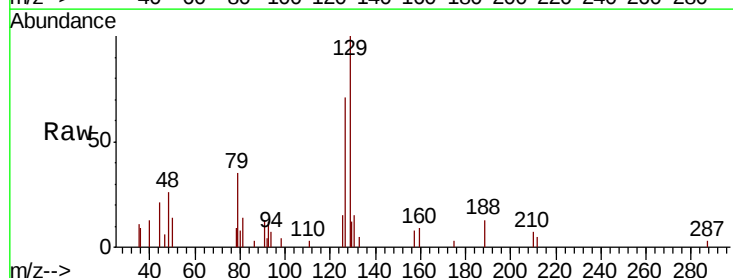
Instrument :
 MSVOA_L
 ClientSampleId :
 QC071320 CAN 10473

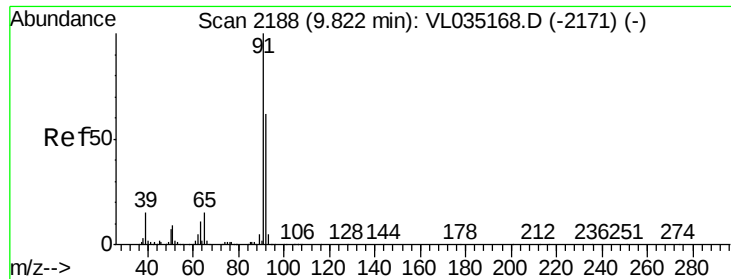
Tot Ion: 75 Resp: 4462
 Ion Ratio Lower Upper
 75 100
 39 29.5 55.2 82.8#
 77 17.9 26.0 39.0#



#48
 Dibromochloromethane
 Concen: 0.055 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.04 min
 Lab File: VL035193.D
 Acq: 16 Jul 2020 14:34

Tgt Ion: 129 Resp: 8065
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.8 116.3#





#53

Toluene

Concen: 0.053 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.03 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

Instrument :

MSVOA_L

ClientSampleId :

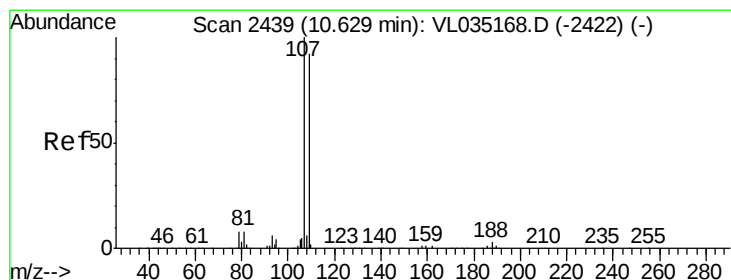
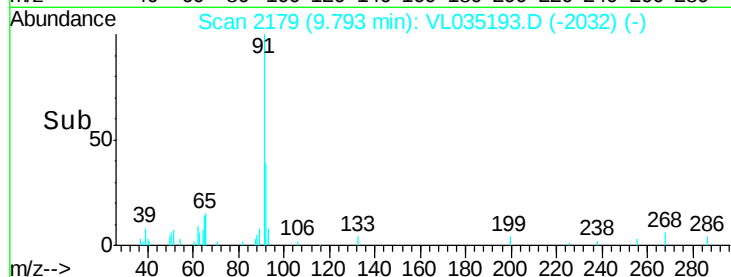
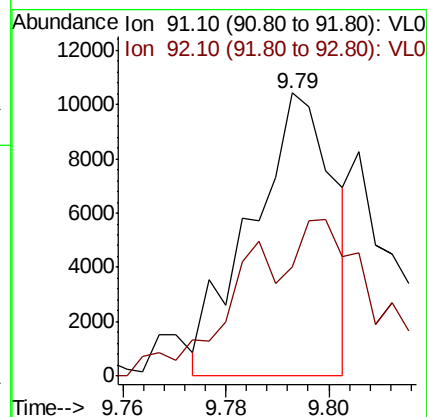
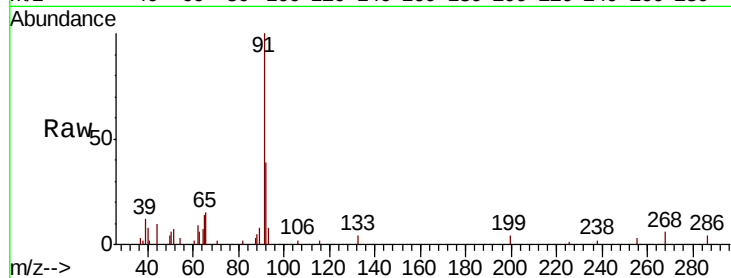
QC071320 CAN 10473

Tot Ion: 91 Resp: 11540

Ion Ratio Lower Upper

91 100

92 0.0 48.4 72.6#



#54

1,2-Dibromoethane

Concen: 0.059 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.03 min

Lab File: VL035193.D

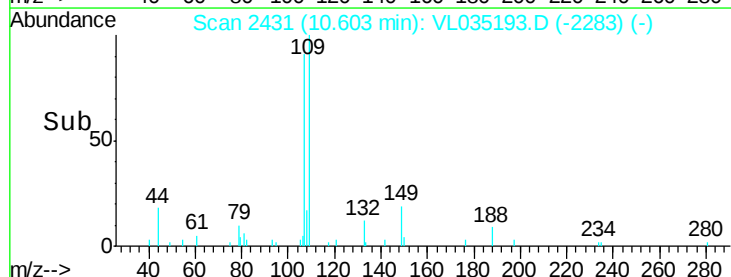
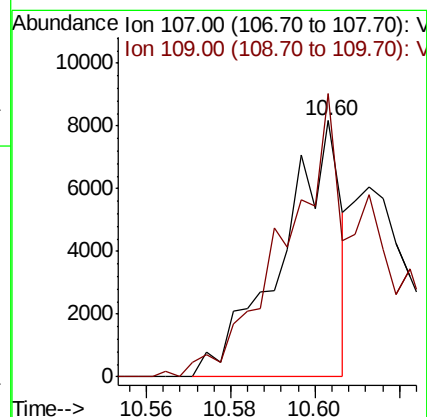
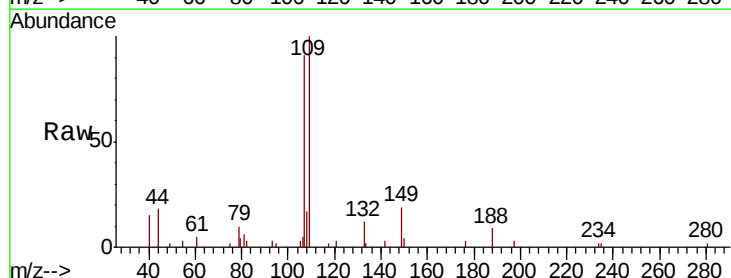
Acq: 16 Jul 2020 14:34

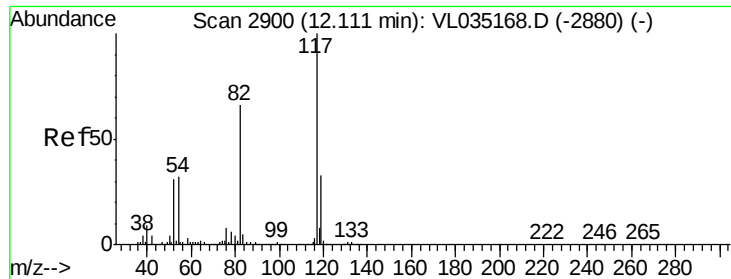
Tgt Ion: 107 Resp: 7892

Ion Ratio Lower Upper

107 100

109 104.8 74.0 111.0

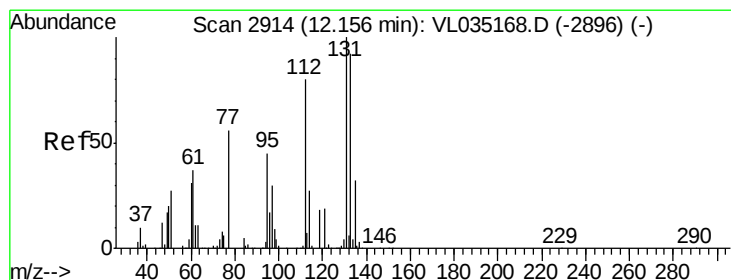
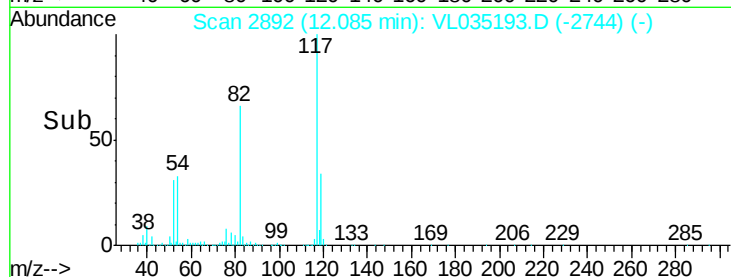
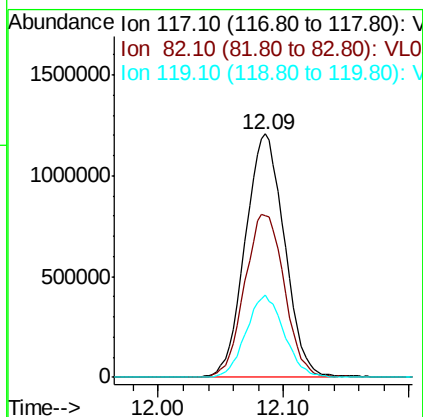
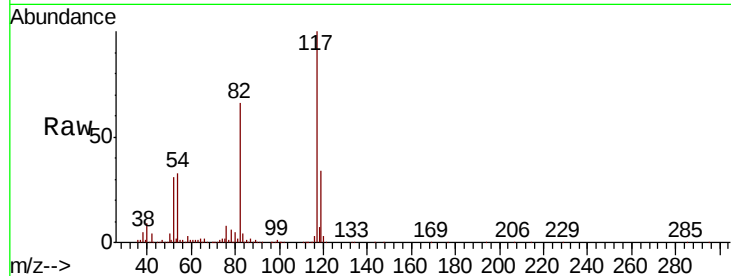




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.03 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

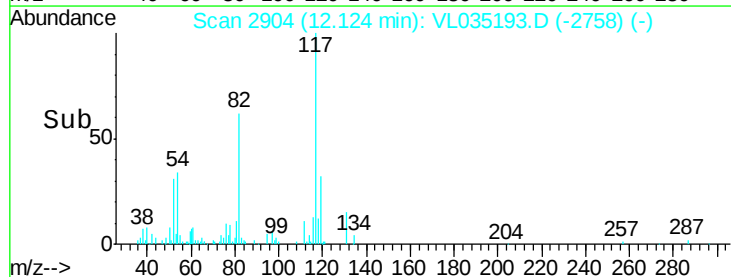
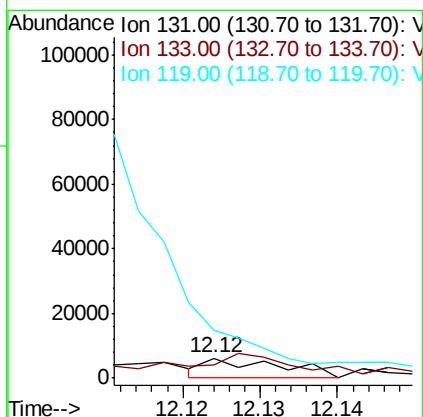
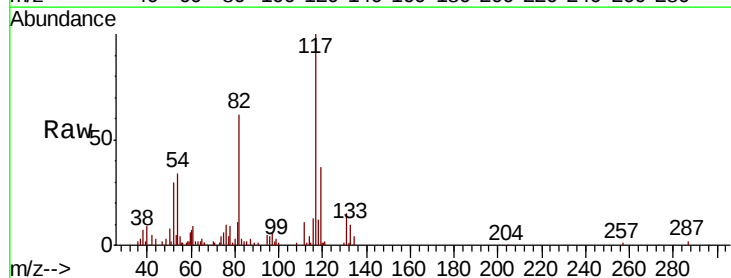
Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

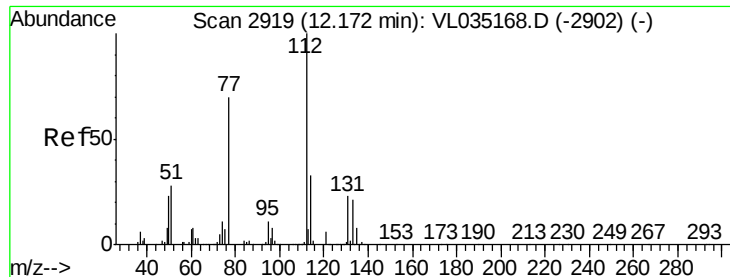
Tot Ion:117 Resp: 2623599
Ion Ratio Lower Upper
117 100
82 68.3 52.3 78.5
119 33.0 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 0.036 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.03 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion:131 Resp: 4173
Ion Ratio Lower Upper
131 100
133 298.6 75.4 113.2#
119 0.0 42.4 63.6#





#57

Chlorobenzene

Concen: 0.035 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. -0.03 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

Instrument :

MSVOA_L

ClientSampleId :

QC071320 CAN 10473

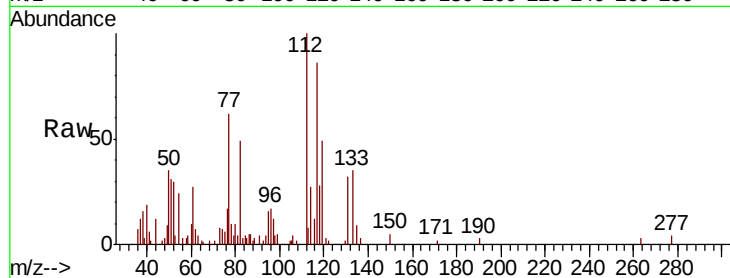
Tot Ion:112 Resp: 6769

Ion Ratio Lower Upper

112 100

77 30.7 57.0 85.4#

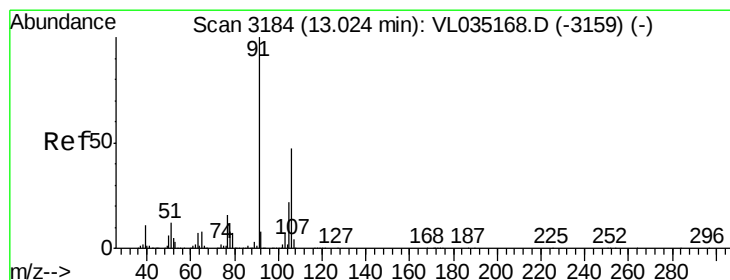
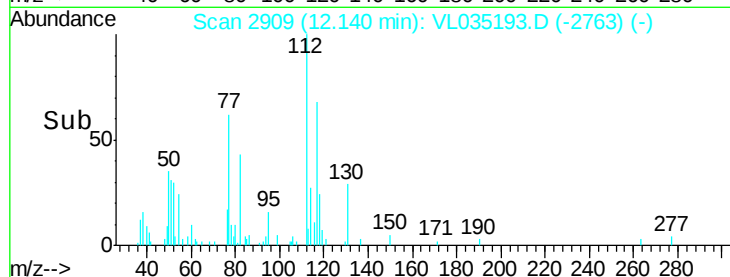
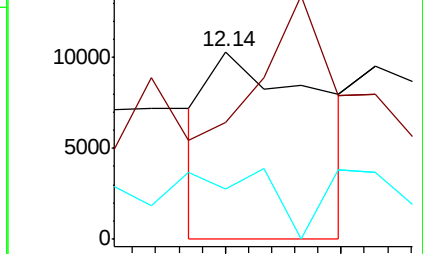
114 0.0 30.2 37.0#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#59

m/p-Xylene

Concen: 0.041 ppbv

RT: 13.00 min Scan# 3178

Delta R.T. -0.02 min

Lab File: VL035193.D

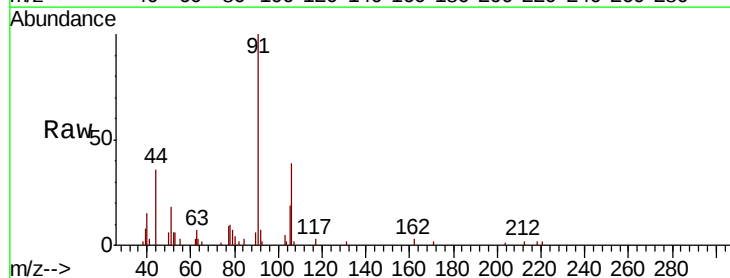
Acq: 16 Jul 2020 14:34

Tgt Ion: 91 Resp: 10547

Ion Ratio Lower Upper

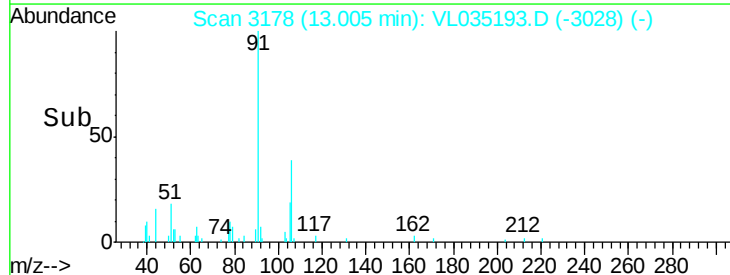
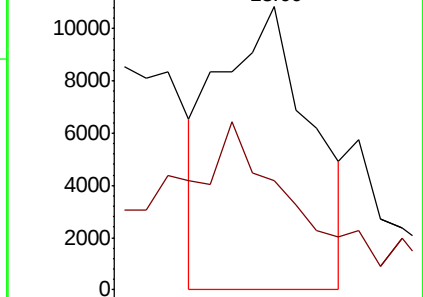
91 100

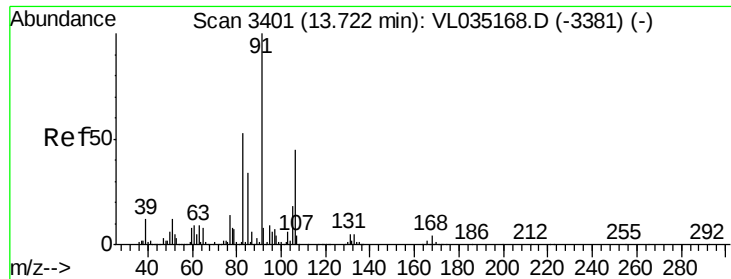
106 178.3 36.2 54.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

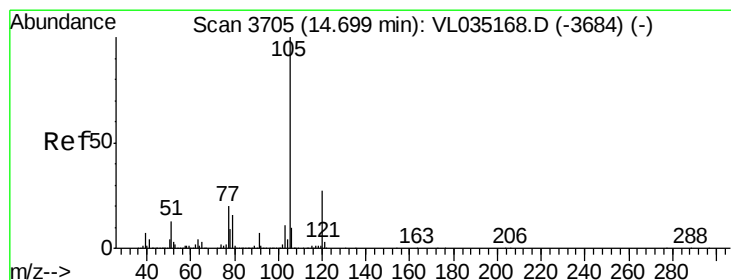
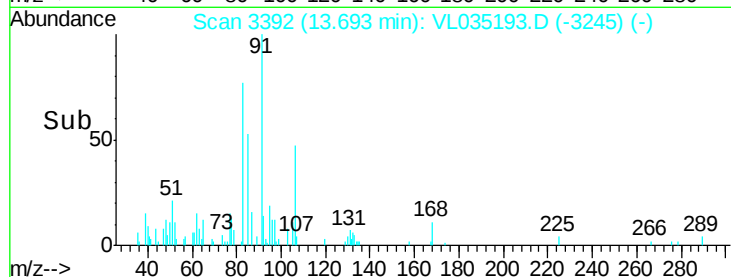
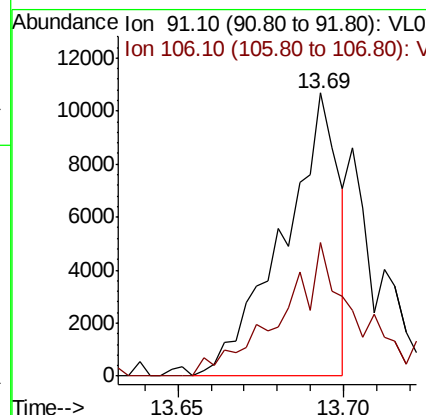
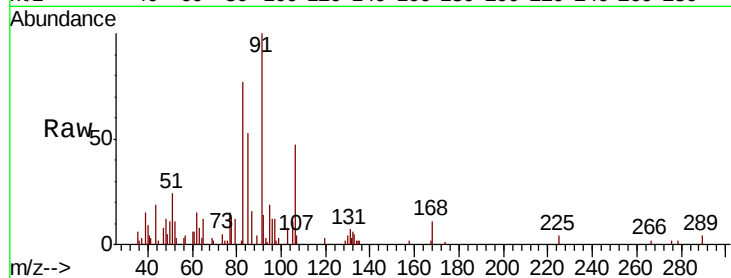




#60
o-Xylene
Concen: 0.048 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.03 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

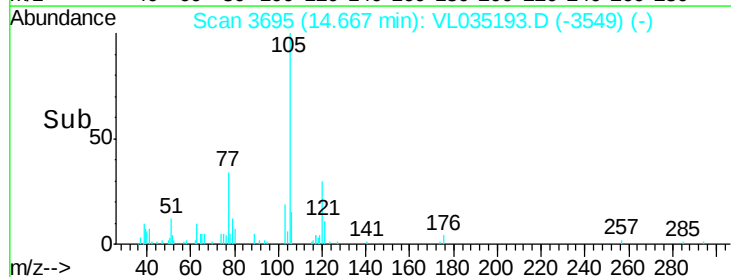
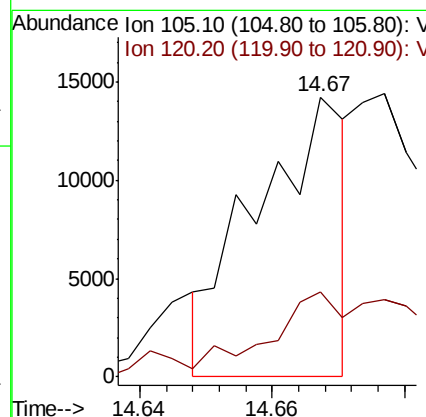
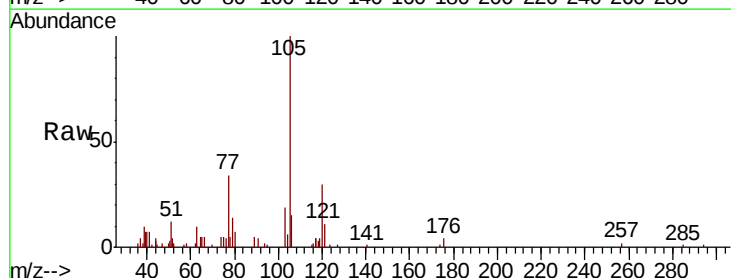
Instrument :
MSVOA_L
ClientSampleId :
QC071320 CAN 10473

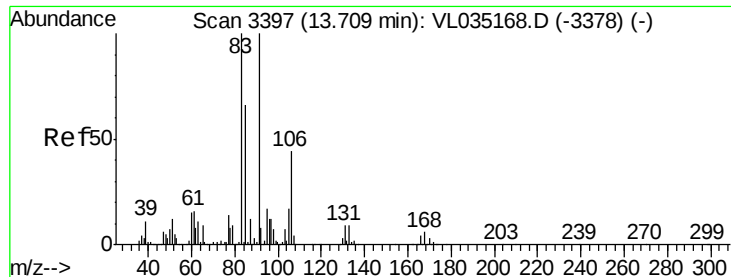
Tot Ion: 91 Resp: 12500
Ion Ratio Lower Upper
91 100
106 63.6 22.1 66.3



#62
Isopropylbenzene
Concen: 0.035 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. -0.03 min
Lab File: VL035193.D
Acq: 16 Jul 2020 14:34

Tgt Ion:105 Resp: 13340
Ion Ratio Lower Upper
105 100
120 60.3 20.7 31.1#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.056 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. -0.03 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

Instrument :

MSVOA_L

ClientSampleId :

QC071320 CAN 10473

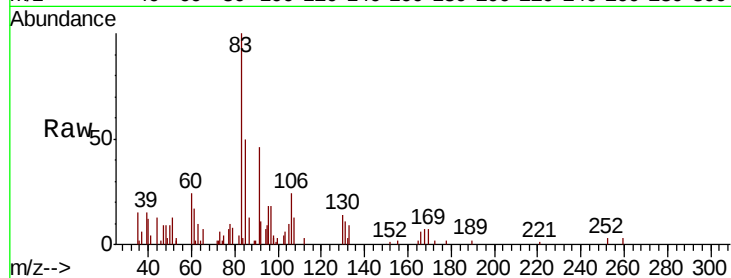
Tot Ion: 83 Resp: 12072

Ion Ratio Lower Upper

83 100

131 17.6 4.7 14.0#

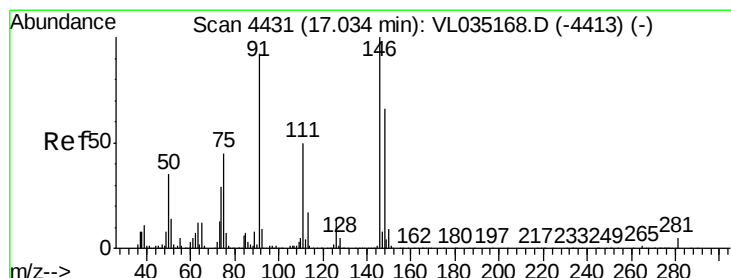
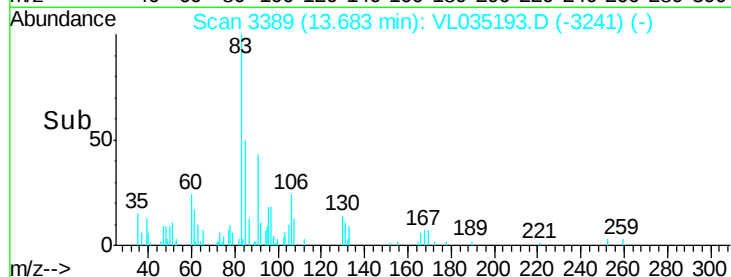
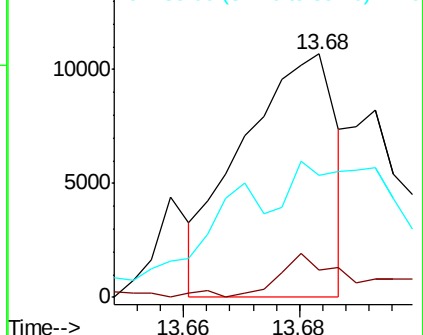
85 119.2 33.0 99.0#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#66

Benzyl Chloride

Concen: 0.041 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. -0.03 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

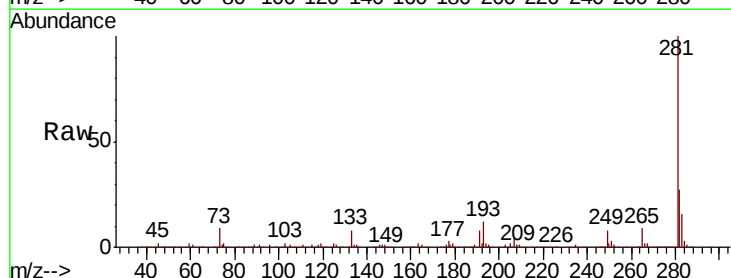
Tgt Ion: 91 Resp: 5037

Ion Ratio Lower Upper

91 100

126 0.0 13.9 20.9#

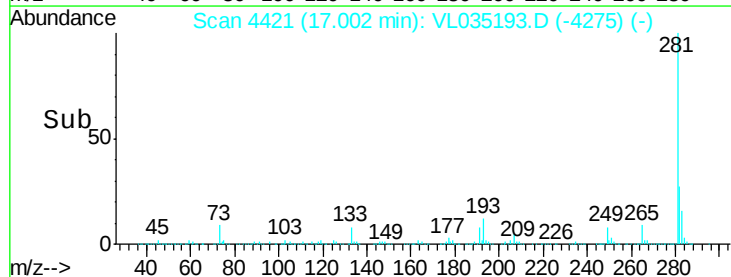
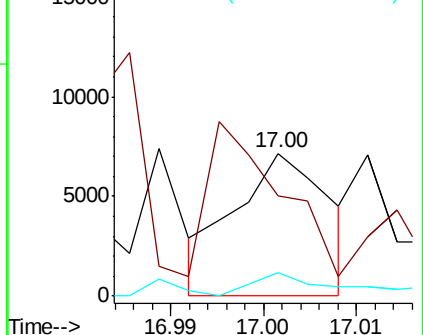
128 21.2 4.2 6.4#

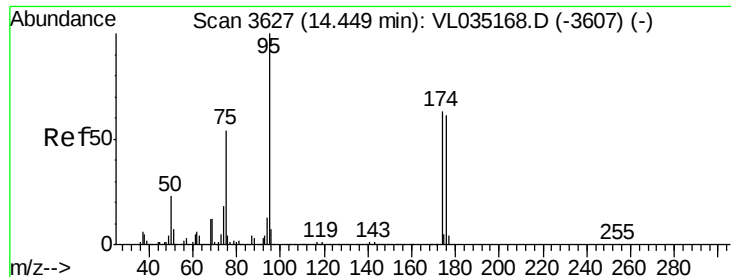


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.064 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.03 min

Lab File: VL035193.D

Acq: 16 Jul 2020 14:34

Instrument :

MSVOA_L

ClientSampleId :

QC071320 CAN 10473

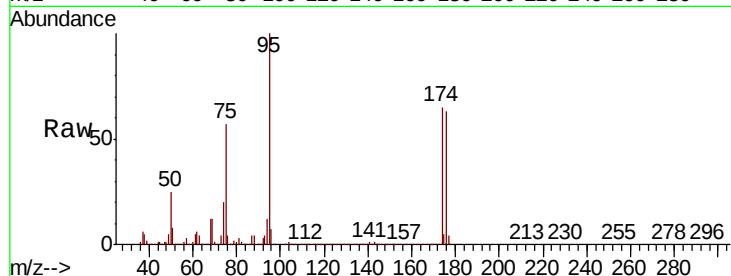
Tot Ion: 95 Resp: 2144958

Ion Ratio Lower Upper

95 100

174 65.3 52.2 78.2

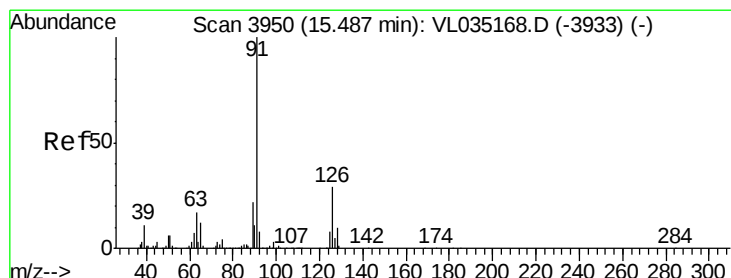
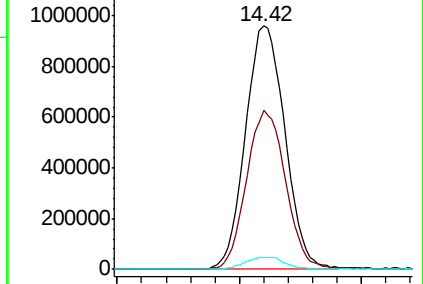
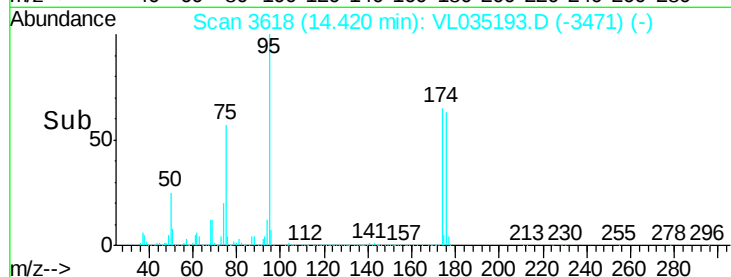
175 5.0 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#71

2-Chlorotoluene

Concen: 0.052 ppbv

RT: 15.46 min Scan# 3941

Delta R.T. -0.03 min

Lab File: VL035193.D

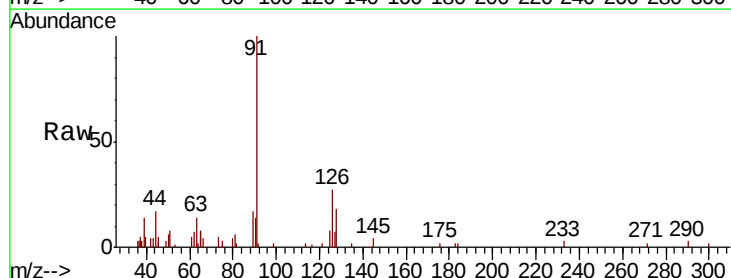
Acq: 16 Jul 2020 14:34

Tgt Ion: 91 Resp: 15178

Ion Ratio Lower Upper

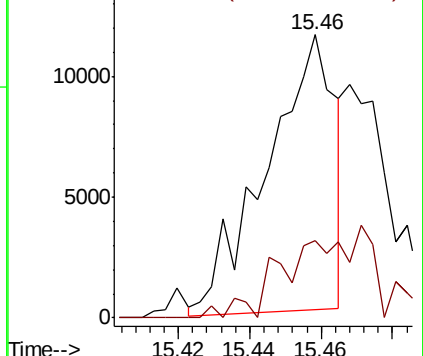
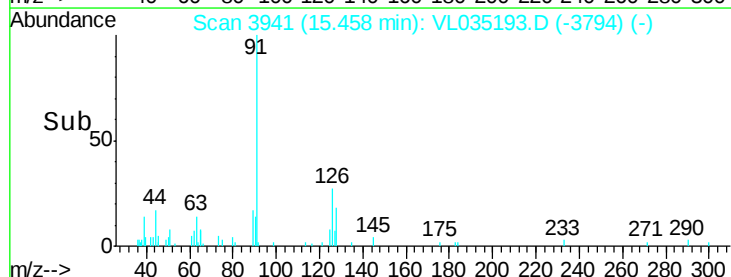
91 100

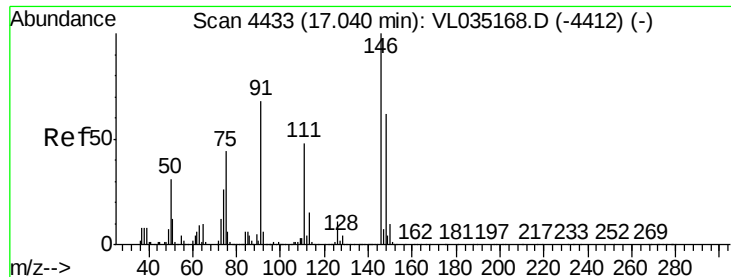
126 0.0 12.0 48.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

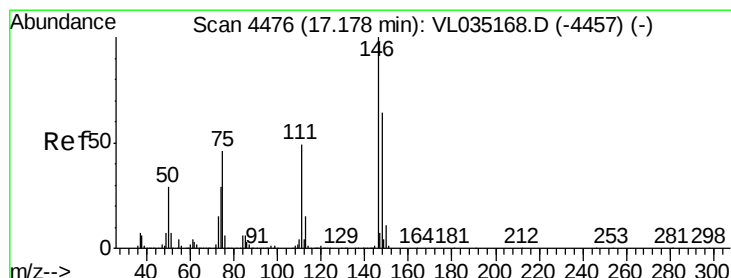
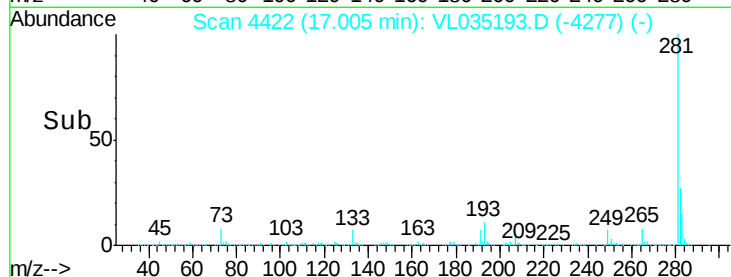
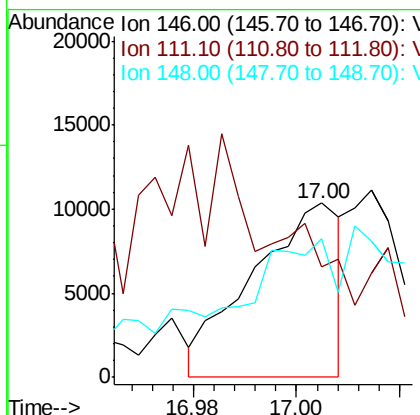
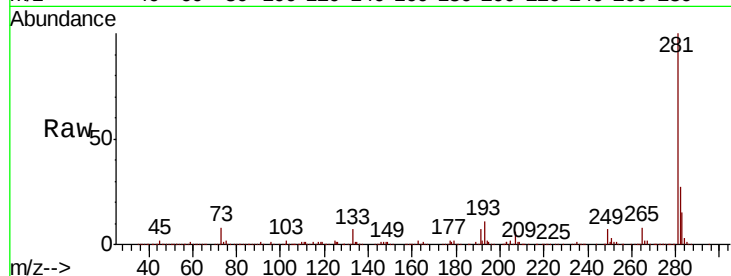




#75
 1,3-Dichlorobenzene
 Concen: 0.062 ppbv
 RT: 17.00 min Scan# 4422
 Delta R.T. -0.04 min
 Lab File: VL035193.D
 Acq: 16 Jul 2020 14:34

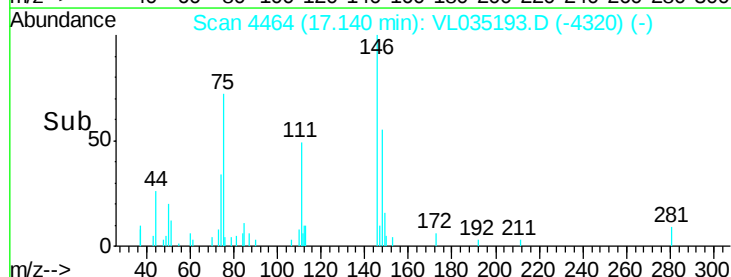
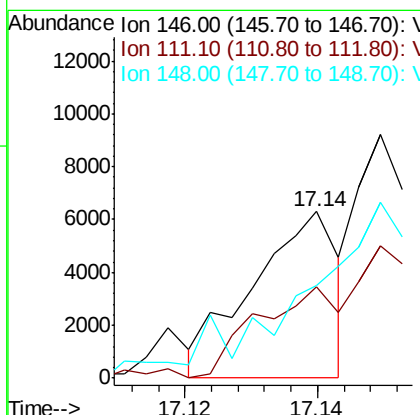
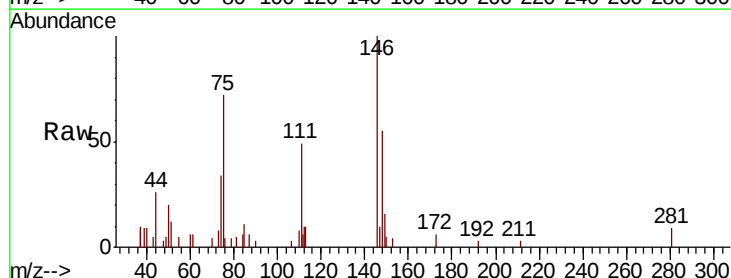
Instrument :
 MSVOA_L
 ClientSampleId :
 QC071320 CAN 10473

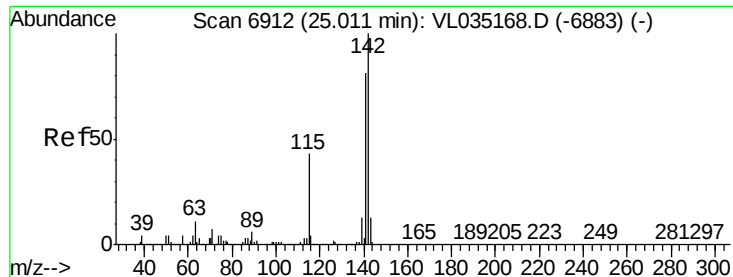
Tot Ion:146 Resp: 12216
 Ion Ratio Lower Upper
 146 100
 111 0.0 24.7 74.1#
 148 0.0 32.4 97.0#



#76
 1,4-Dichlorobenzene
 Concen: 0.031 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. -0.04 min
 Lab File: VL035193.D
 Acq: 16 Jul 2020 14:34

Tgt Ion:146 Resp: 5629
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.8 71.2#
 148 0.0 32.3 96.9#





#80
 Naphthalene, 2-methyl-
 Concen: 0.164 ppbv
 RT: 25.00 min Scan# 6910
 Delta R.T. -0.01 min
 Lab File: VL035193.D
 Acq: 16 Jul 2020 14:34

Instrument :
 MSVOA_L
 ClientSampleId :
 QC071320 CAN 10473

Tot Ion	Ratio	Lower	Upper
142	100		
141	73.1	68.2	102.4
115	32.2	34.4	51.6

