

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081220\
 Data File : VL035390.D
 Acq On : 12 Aug 2020 20:17
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081220

Quant Time: Aug 13 04:30:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 20:32:44 2020
 QLast Update : Wed Aug 12 20:32:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1391599	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3338216	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4033082	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2694236	8.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1603790	9.570	ppbv	99
3) Chlorodifluoromethane	2.98	51	1483946	9.172	ppbv	98
4) Chloromethane	3.13	50	831186	9.193	ppbv	99
5) Vinyl Chloride	3.25	62	787556	8.813	ppbv	98
6) Bromomethane	3.47	94	460307	9.289	ppbv	99
7) Chloroethane	3.55	64	284705	9.032	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	1749985	8.996	ppbv	98
9) Propene	3.01	41	718138	8.568	ppbv	99
10) Heptane	8.13	43	1892834	8.719	ppbv	99
11) Trichlorofluoromethane	3.95	101	1845246	9.079	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1238224	8.953	ppbv	97
13) Ethanol	3.60	45	187544	6.824	ppbv	99
14) Bromoethene	3.74	108	571946	9.256	ppbv	99
15) Acetone	3.85	43	1401688	7.997	ppbv	98
16) 1,3-Butadiene	3.32	39	755626	8.396	ppbv	99
17) tert-Butyl alcohol	4.29	59	1845926	9.029	ppbv	99
18) 1,1-Dichloroethene	4.29	96	576250	9.094	ppbv	98
19) Isopropyl Alcohol	3.97	45	1212312	8.863	ppbv	98
20) Methylene Chloride	4.34	84	516637	7.806	ppbv	96
21) Allyl Chloride	4.41	41	1019318	8.857	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	591525	9.293	ppbv	94
23) Vinyl Acetate	5.08	43	2479470	8.861	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1652221	8.967	ppbv	99
25) Ethyl Acetate	5.68	43	3049954	8.431	ppbv	99
26) Hexane	5.69	57	1335739	8.438	ppbv	100
27) Carbon Disulfide	4.55	76	1551122	9.178	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2281430	8.728	ppbv	99
29) Chloroform	5.76	83	2054138	9.092	ppbv	98
30) Cyclohexane	7.14	84	1153759	8.842	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1430658	9.114	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2100516	8.524	ppbv	100
34) 2-Butanone	5.25	43	2059722	8.658	ppbv	99
35) Carbon Tetrachloride	7.03	117	2073504	8.936	ppbv	98
36) Benzene	6.90	78	2808562	8.773	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1627626	9.160	ppbv	100
38) Trichloroethene	7.85	130	998320	7.958	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1117579	8.817	ppbv	97
40) 1,4-Dioxane	7.84	88	461107	8.932	ppbv	90
41) Tetrahydrofuran	6.05	42	1242218	8.753	ppbv	99
42) Bromodichloromethane	7.81	83	2297608	9.179	ppbv	99
43) Methyl Methacrylate	8.03	69	1286972	9.063	ppbv	99

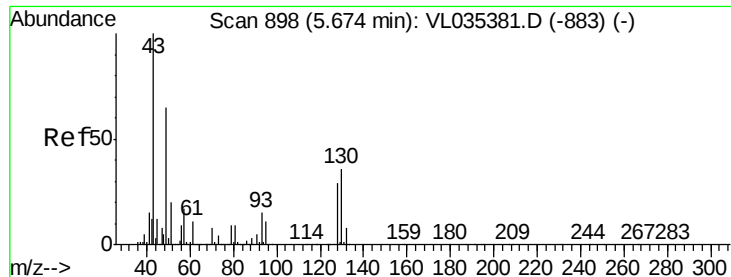
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4646349	8.438	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1529380	9.282	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1750615	9.096	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1162096	9.039	ppbv	93
48) Dibromochloromethane	10.32	129	1882642	9.162	ppbv	100
49) Bromoform	13.07	173	1580808	9.384	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	3077738	8.584	ppbv	100
51) 2-Hexanone	10.15	43	2632475	8.721	ppbv	100
52) Tetrachloroethene	11.24	164	910485	8.021	ppbv	97
53) Toluene	9.83	91	3281779	8.637	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1799835	8.840	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1396270	7.125	ppbv	97
57) Chlorobenzene	12.17	112	2392872	6.960	ppbv	99
58) Ethyl Benzene	12.73	91	4460556	6.998	ppbv	100
59) m/p-Xylene	13.02	91	3792414	7.134	ppbv #	38
60) o-Xylene	13.72	91	3544484	6.886	ppbv	99
61) Styrene	13.55	104	2706056	7.121	ppbv	99
62) Isopropylbenzene	14.69	105	5273532	6.830	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2486976	6.624	ppbv	100
64) n-propylbenzene	15.59	120	1417045	6.957	ppbv	94
65) tert-Butylbenzene	16.77	119	4515490	6.643	ppbv	98
66) Benzyl Chloride	17.01	91	2179418	7.100	ppbv	99
67) sec-Butylbenzene	17.32	105	6568984	6.704	ppbv	99
69) p-Isopropyltoluene	17.68	119	5520962	6.760	ppbv	99
70) n-Butylbenzene	18.58	91	6110372	6.757	ppbv	99
71) 2-Chlorotoluene	15.48	91	4327824	6.963	ppbv	99
72) 4-Ethyltoluene	15.86	105	4358868	6.938	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4122577	6.998	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	4118754	6.648	ppbv	99
75) 1,3-Dichlorobenzene	17.02	146	2267549	6.706	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	2369756	6.823	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	2333097	6.844	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1799004	6.400	ppbv	99
79) Naphthalene	22.23	128	2413208	3.127	ppbv	100
80) Naphthalene, 2-methyl-	24.99	142	2301206	6.404	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	1448647	3.966	ppbv #	45

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

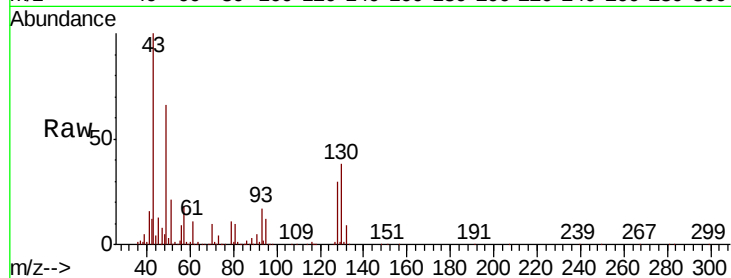
MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion: 49 Resp: 1391599

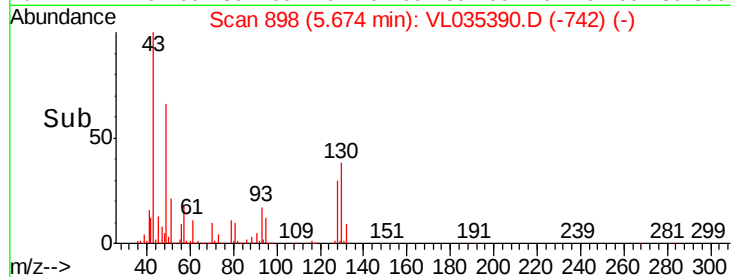
Ion	Ratio	Lower	Upper
49	100		
128	43.3	21.8	65.3
130	55.4	27.9	83.6



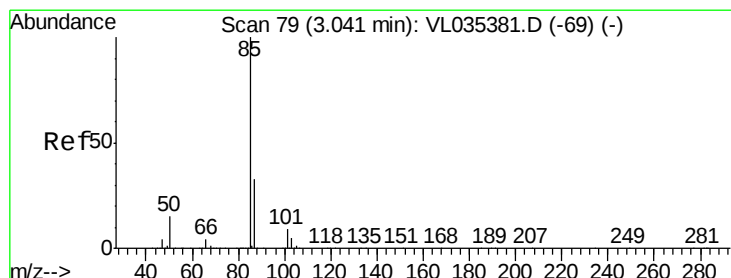
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 9.570 ppbv

RT: 3.04 min Scan# 80

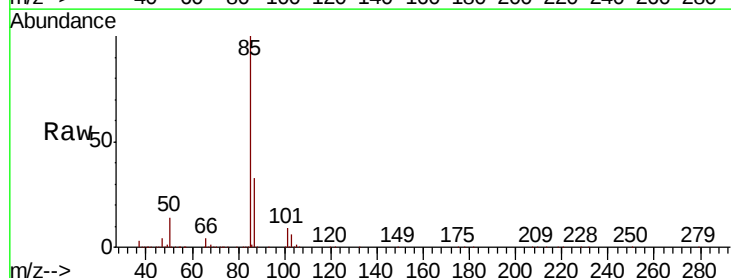
Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

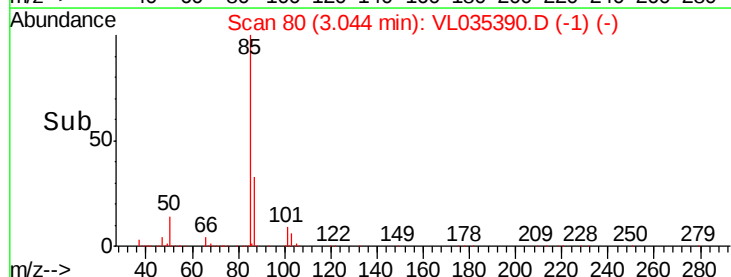
Tgt Ion: 85 Resp: 1603790

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.1	39.1

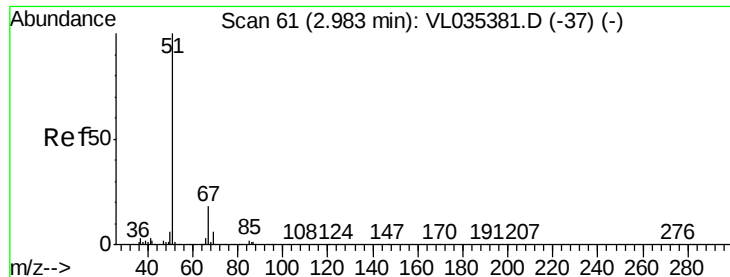


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 9.172 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

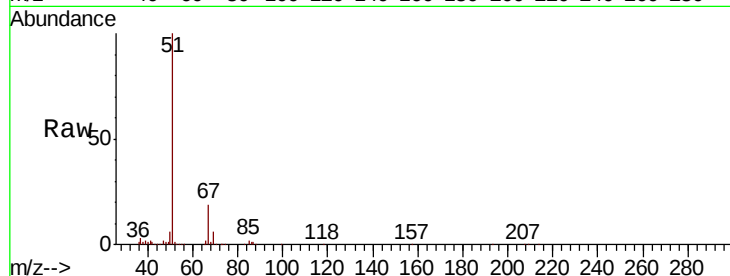
ICVVL081220

Tot Ion: 51 Resp: 1483946

Ion Ratio Lower Upper

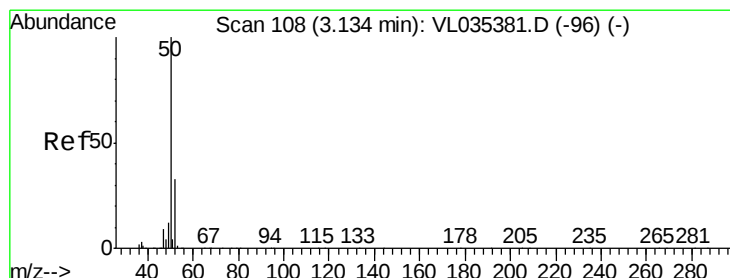
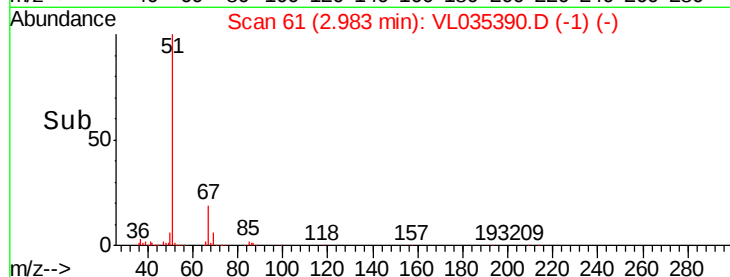
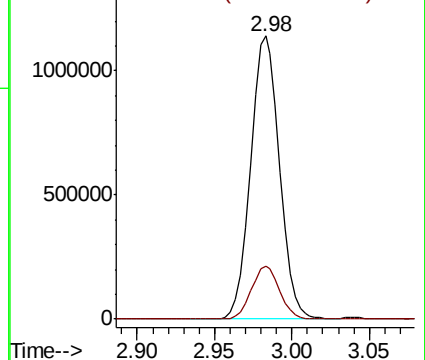
51 100

67 18.6 14.1 21.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.193 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.00 min

Lab File: VL035390.D

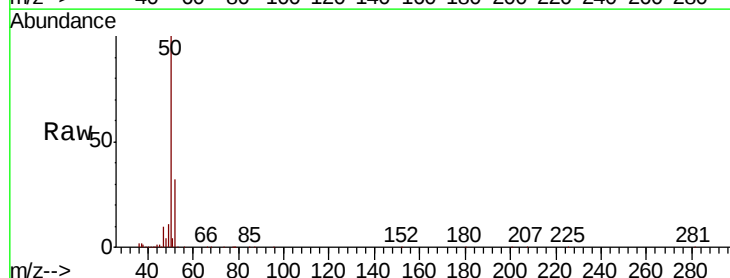
Acq: 12 Aug 2020 20:17

Tgt Ion: 50 Resp: 831186

Ion Ratio Lower Upper

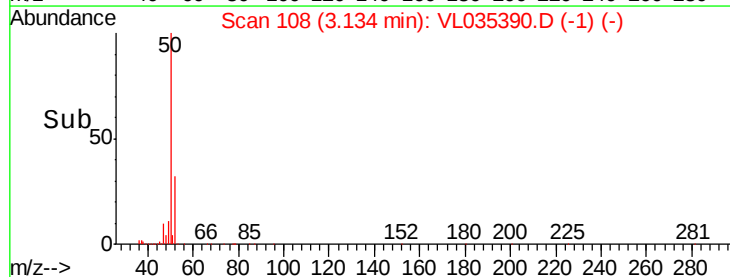
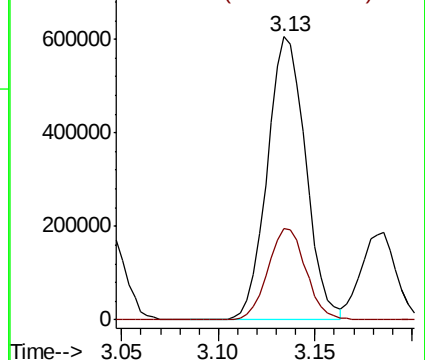
50 100

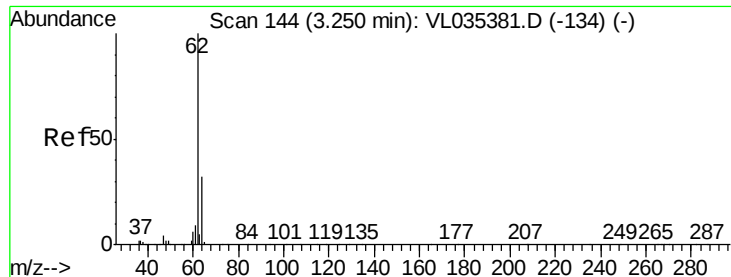
52 32.5 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.813 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

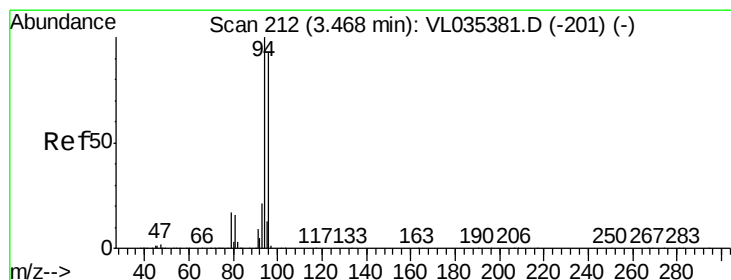
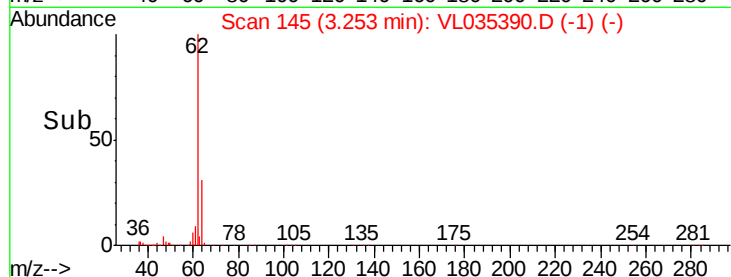
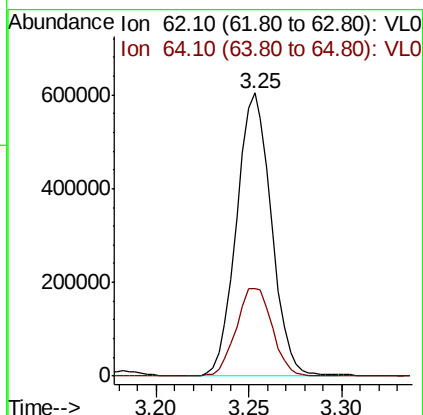
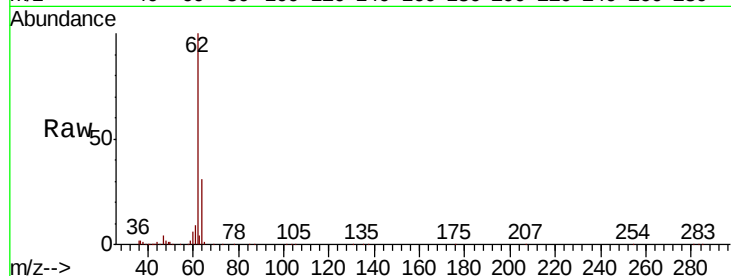
ICVVL081220

Tot Ion: 62 Resp: 787556

Ion Ratio Lower Upper

62 100

64 31.1 25.7 38.5



#6

Bromomethane

Concen: 9.289 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL035390.D

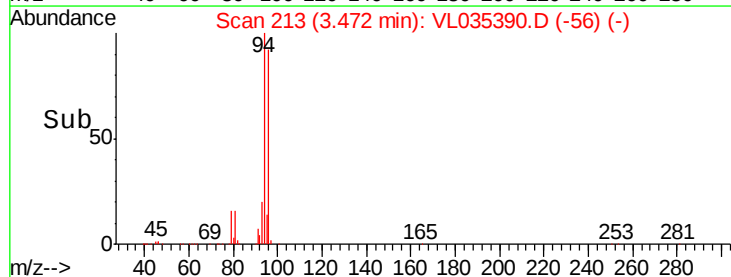
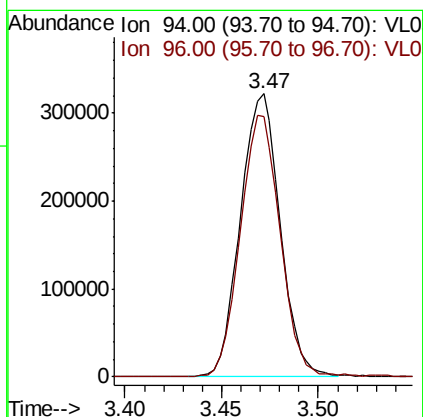
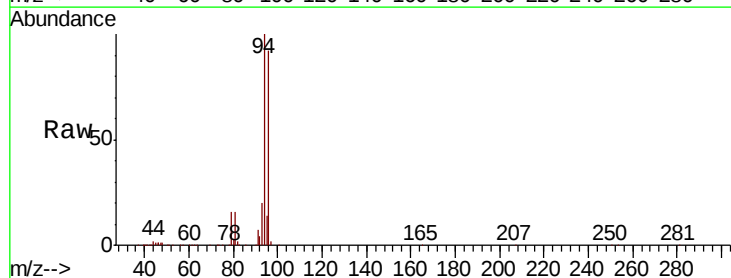
Acq: 12 Aug 2020 20:17

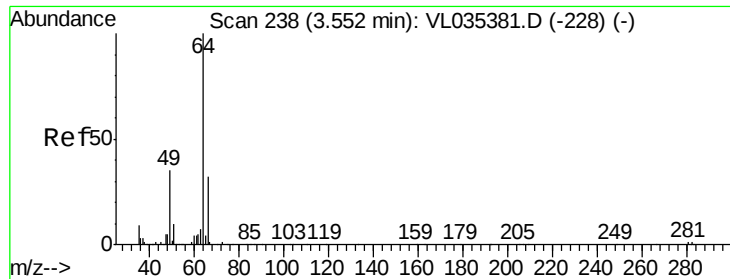
Tgt Ion: 94 Resp: 460307

Ion Ratio Lower Upper

94 100

96 91.7 74.4 111.6





#7

Chloroethane

Concen: 9.032 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

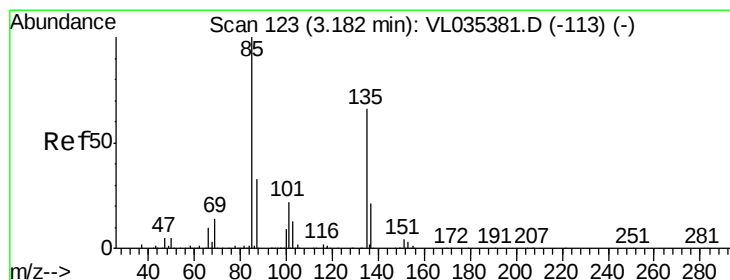
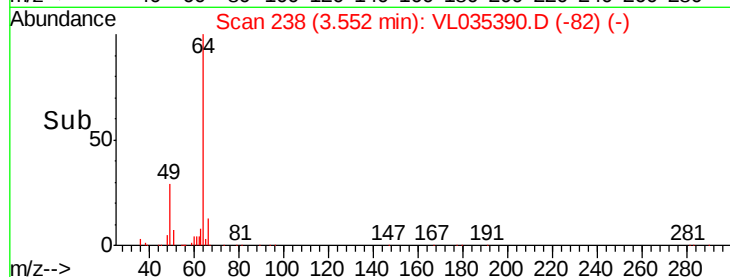
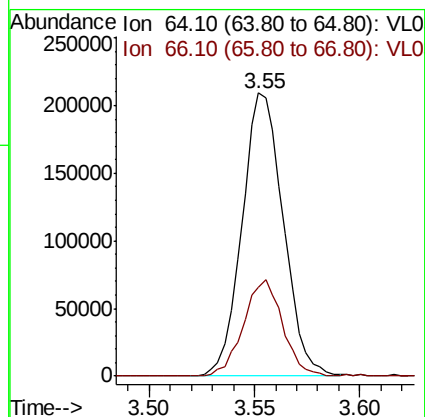
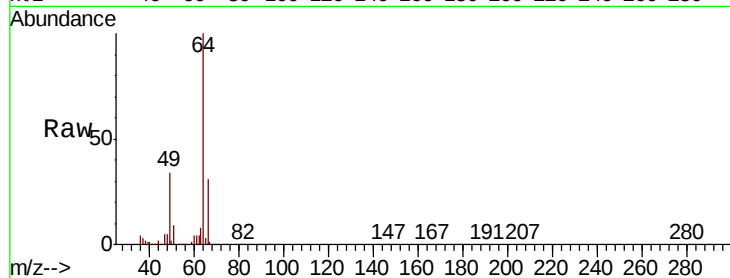
ICVVL081220

Tot Ion: 64 Resp: 284705

Ion Ratio Lower Upper

64 100

66 31.2 25.7 38.5



#8

Dichlorotetrafluoroethane

Concen: 8.996 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL035390.D

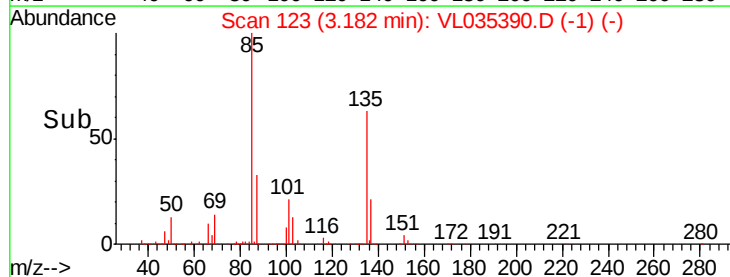
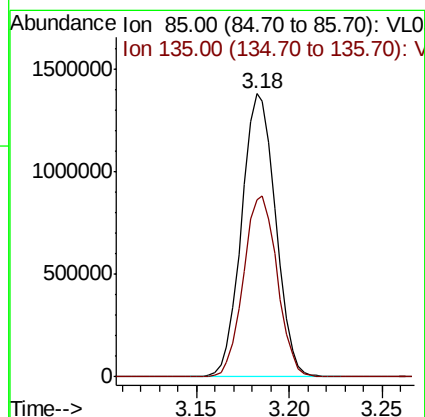
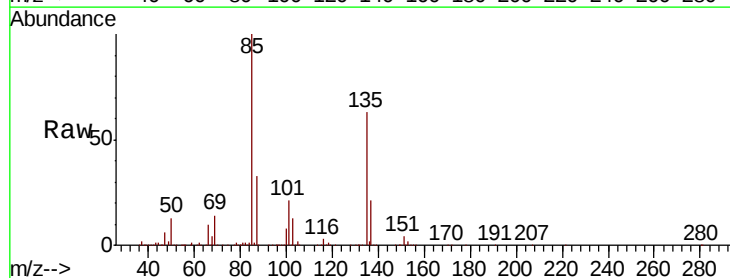
Acq: 12 Aug 2020 20:17

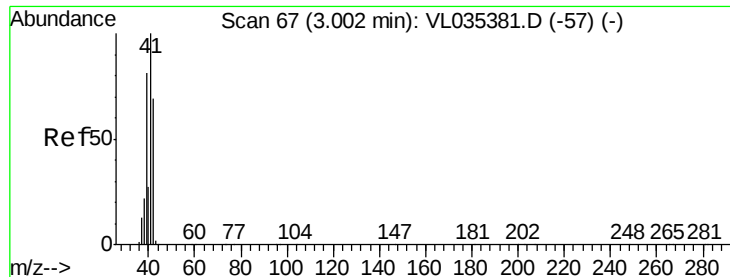
Tgt Ion: 85 Resp: 1749985

Ion Ratio Lower Upper

85 100

135 63.8 52.5 78.7





#9

Propene

Concen: 8.568 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

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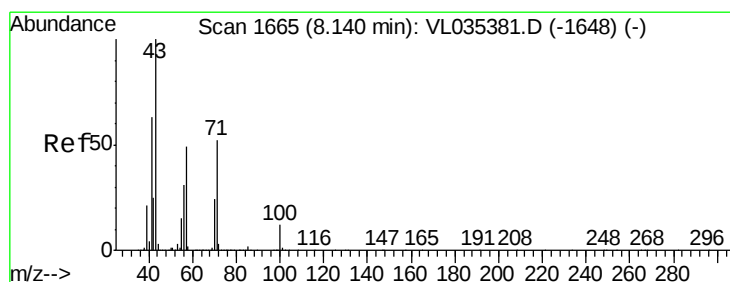
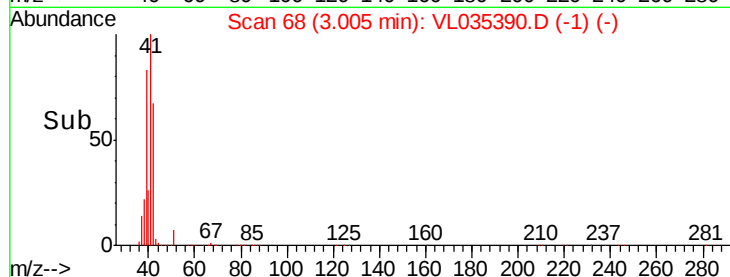
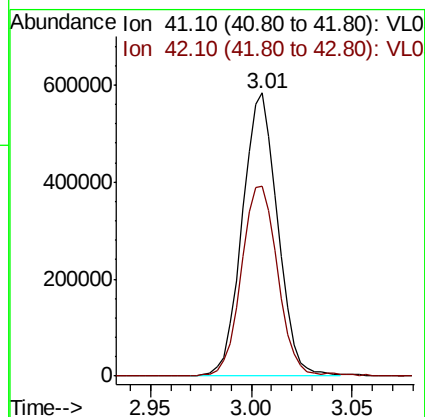
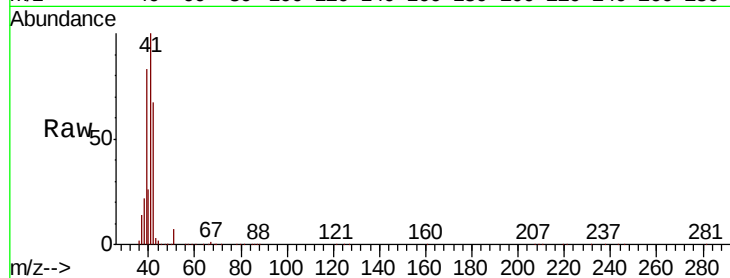
ICVVL081220

Tot Ion: 41 Resp: 718138

Ion Ratio Lower Upper

41 100

42 70.0 55.4 83.2



#10

Heptane

Concen: 8.719 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VL035390.D

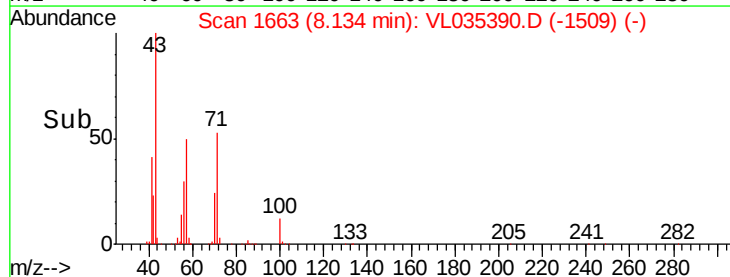
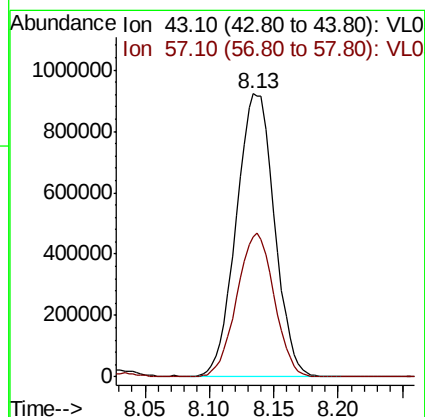
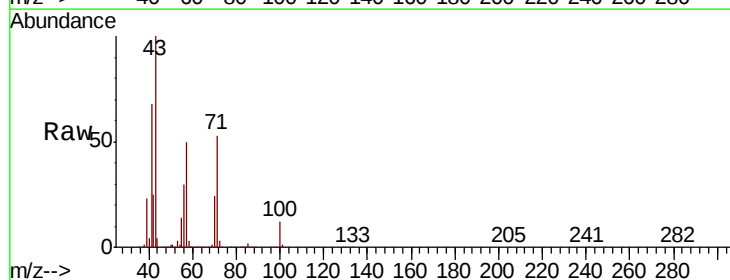
Acq: 12 Aug 2020 20:17

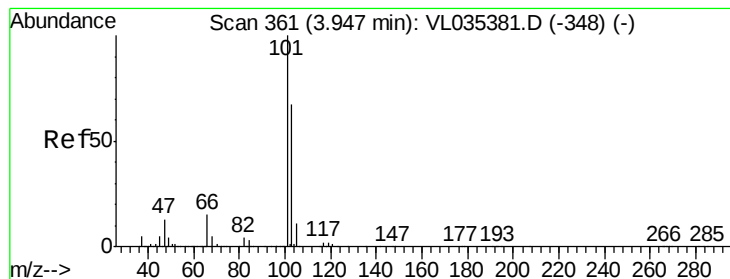
Tgt Ion: 43 Resp: 1892834

Ion Ratio Lower Upper

43 100

57 49.8 39.4 59.2





#11

Trichlorofluoromethane

Concen: 9.079 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

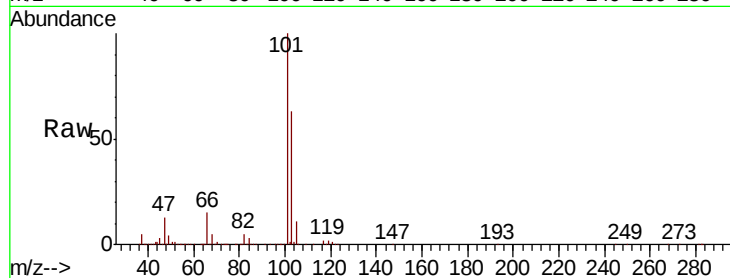
ICVVL081220

Tot Ion:101 Resp: 1845246

Ion Ratio Lower Upper

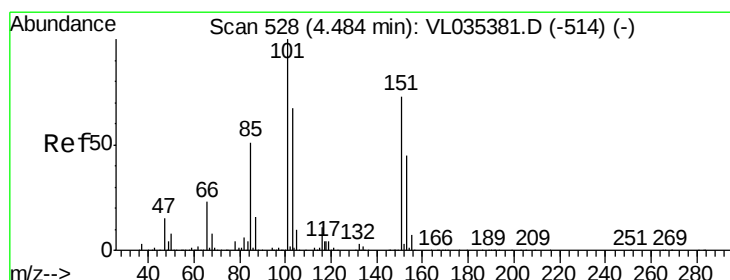
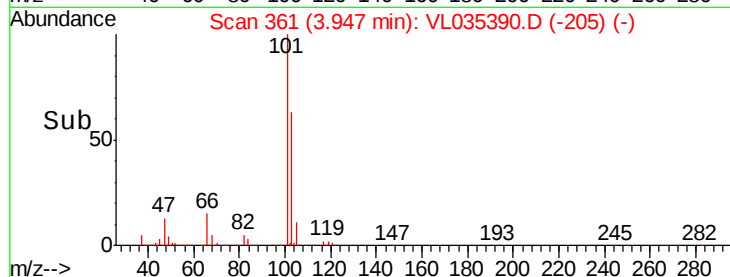
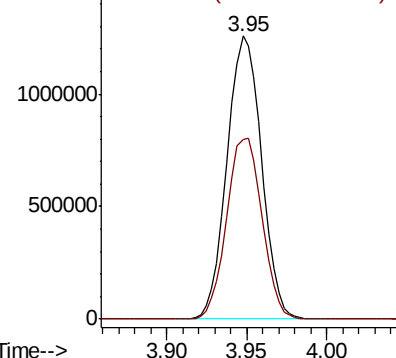
101 100

103 63.4 53.3 79.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.953 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL035390.D

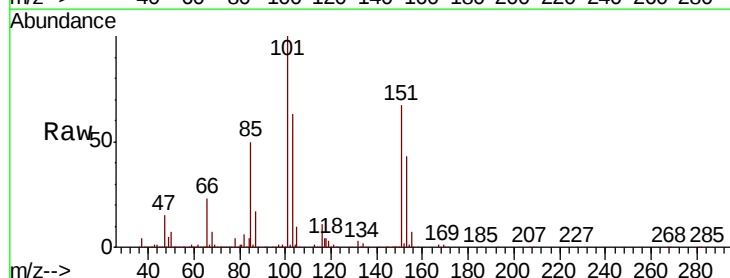
Acq: 12 Aug 2020 20:17

Tgt Ion:101 Resp: 1238224

Ion Ratio Lower Upper

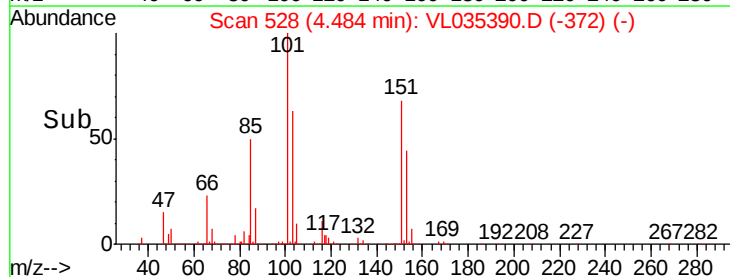
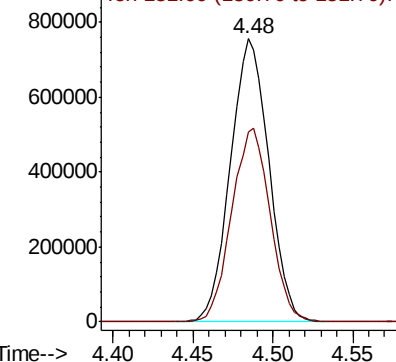
101 100

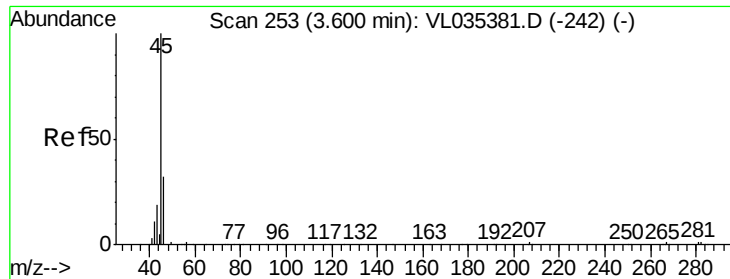
151 68.8 57.0 85.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.824 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

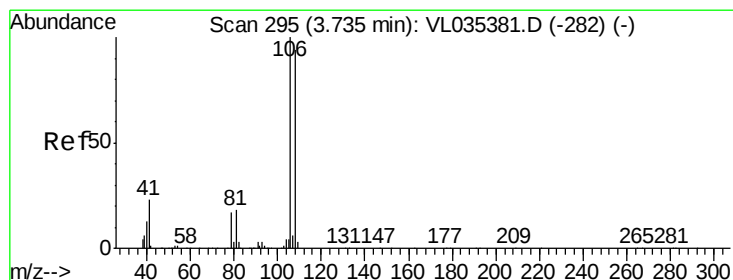
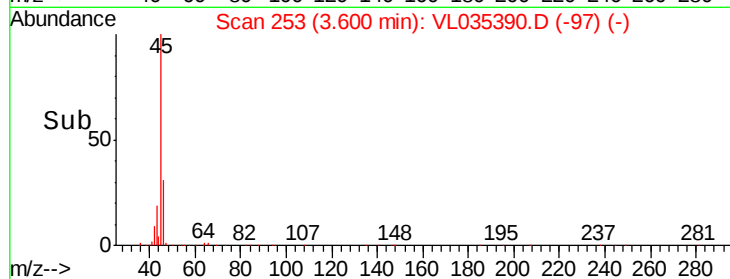
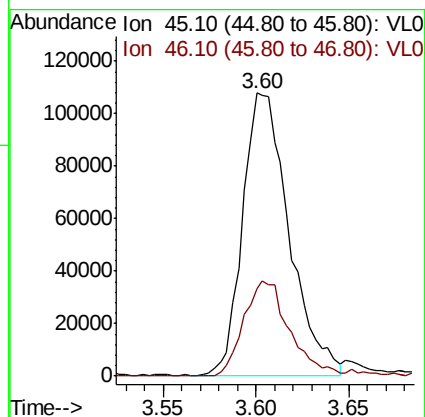
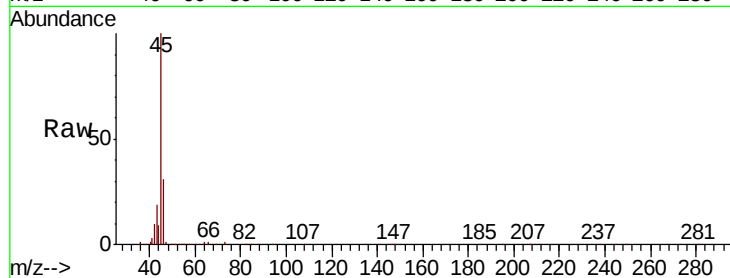
ICVVL081220

Tot Ion: 45 Resp: 187544

Ion Ratio Lower Upper

45 100

46 34.6 14.1 56.3



#14

Bromoethene

Concen: 9.256 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

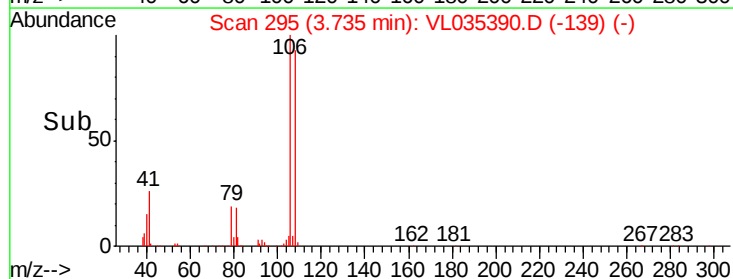
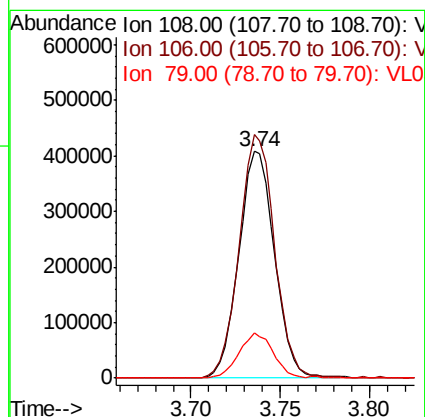
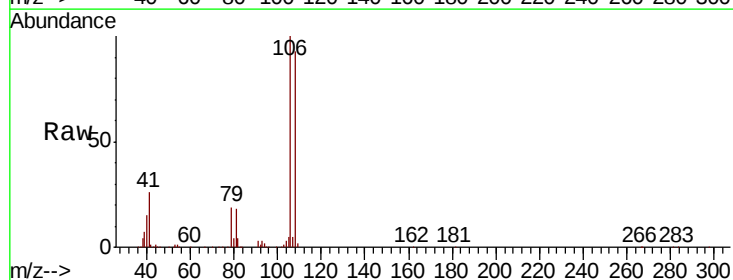
Tgt Ion: 108 Resp: 571946

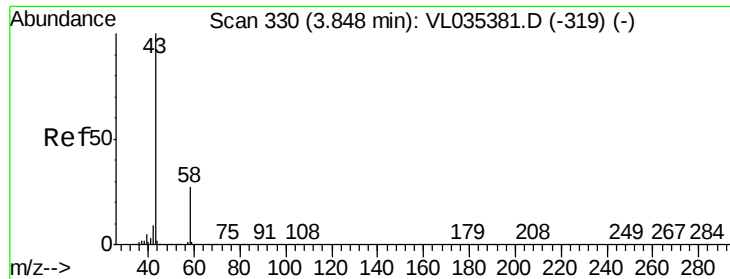
Ion Ratio Lower Upper

108 100

106 106.9 84.9 127.3

79 19.7 15.8 23.8

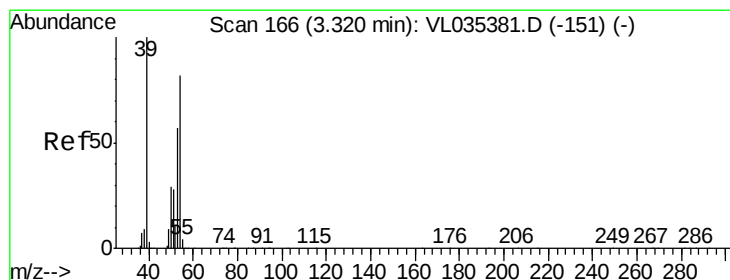
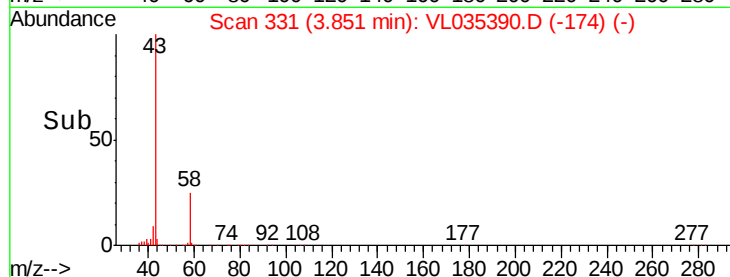
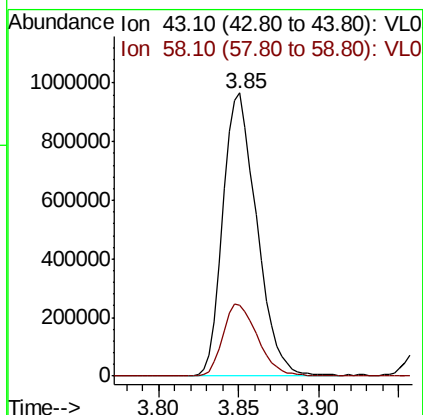
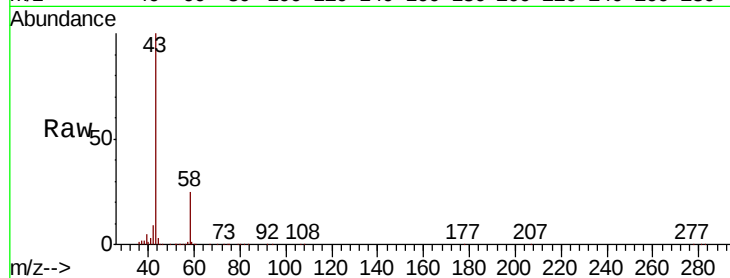




#15
Acetone
Concen: 7.997 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

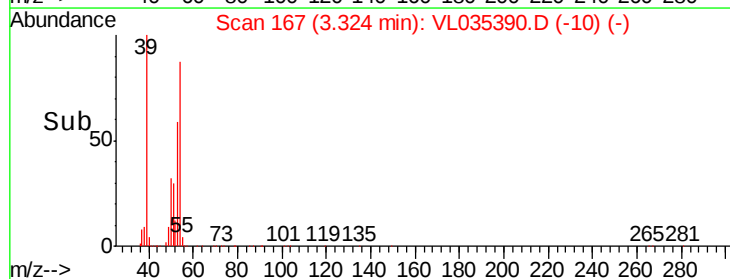
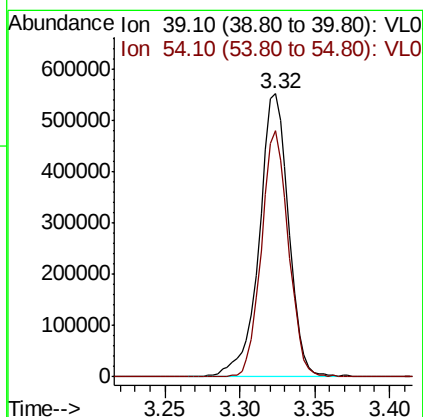
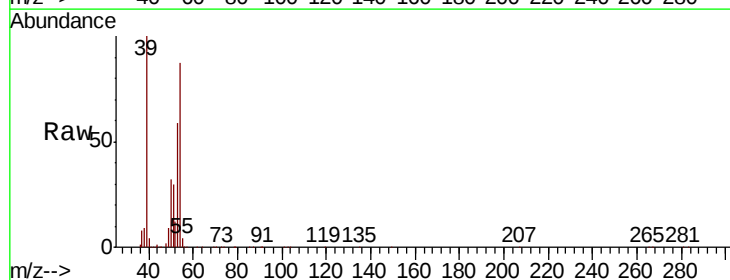
Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

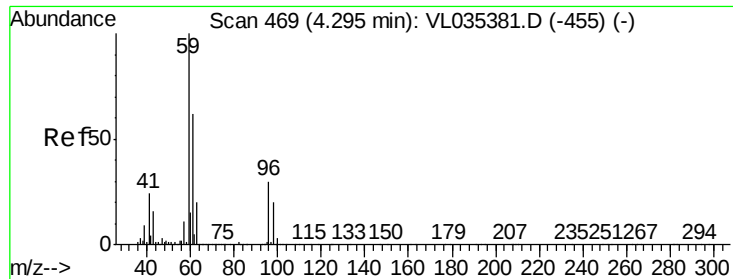
Tot Ion: 43 Resp: 1401688
Ion Ratio Lower Upper
43 100
58 26.1 21.7 32.5



#16
1,3-Butadiene
Concen: 8.396 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion: 39 Resp: 755626
Ion Ratio Lower Upper
39 100
54 79.9 64.9 97.3





#17

tert-Butyl alcohol
Concen: 9.029 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

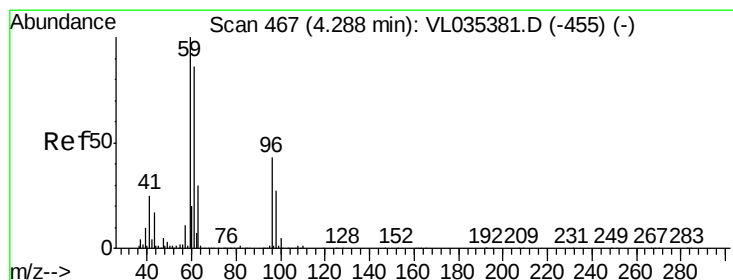
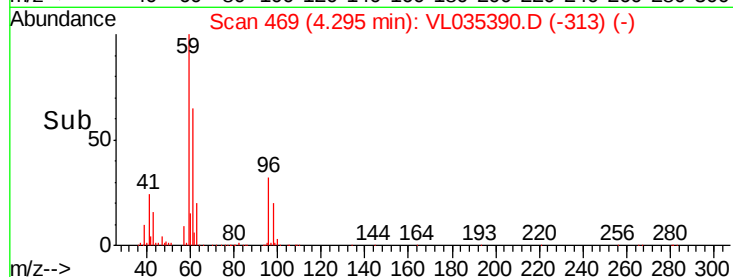
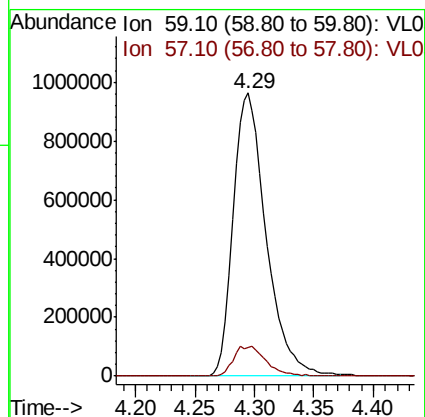
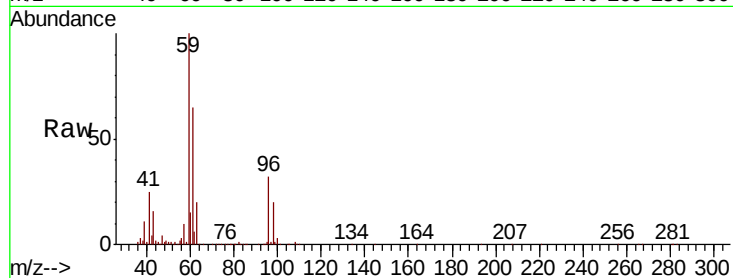
Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

Tot Ion: 59 Resp: 1845926

Ion Ratio Lower Upper

59 100

57 10.6 8.6 13.0



#18

1,1-Dichloroethene
Concen: 9.094 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

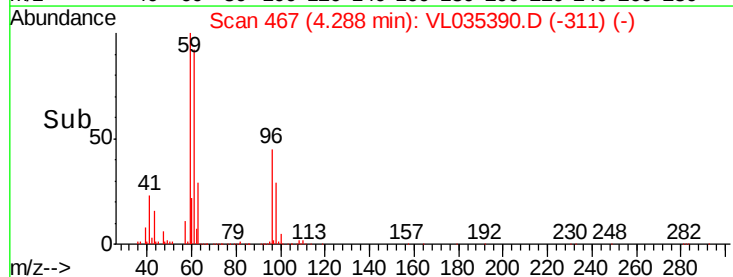
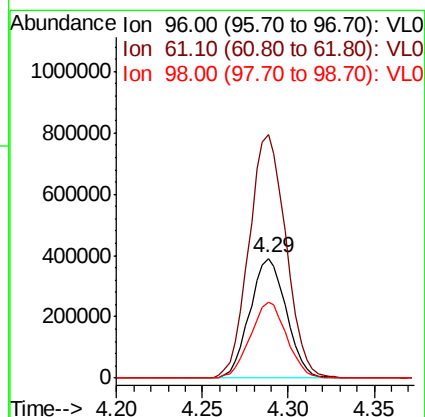
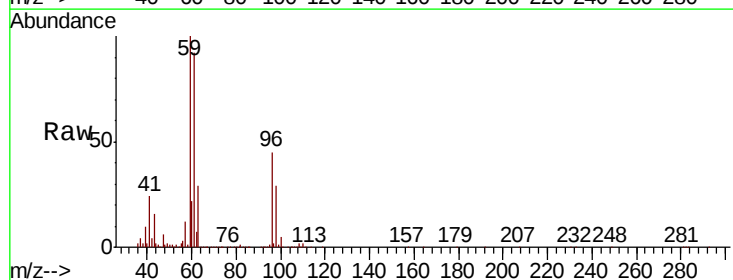
Tgt Ion: 96 Resp: 576250

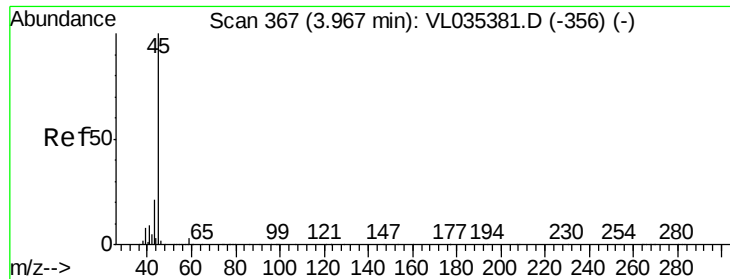
Ion Ratio Lower Upper

96 100

61 203.2 159.0 238.4

98 63.0 50.3 75.5





#19

Isopropyl Alcohol

Concen: 8.863 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

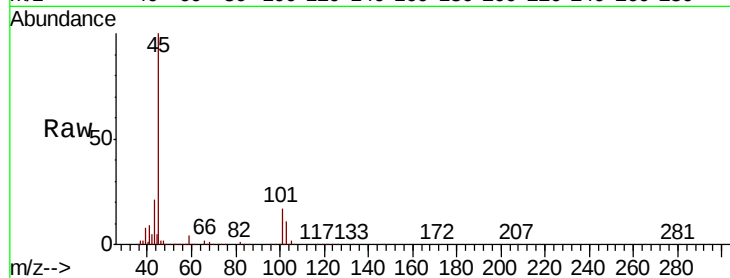
ICVVL081220

Tot Ion: 45 Resp: 1212312

Ion Ratio Lower Upper

45 100

58 30.2 24.9 37.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

800000

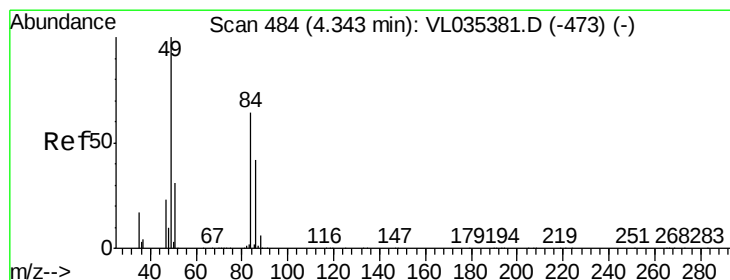
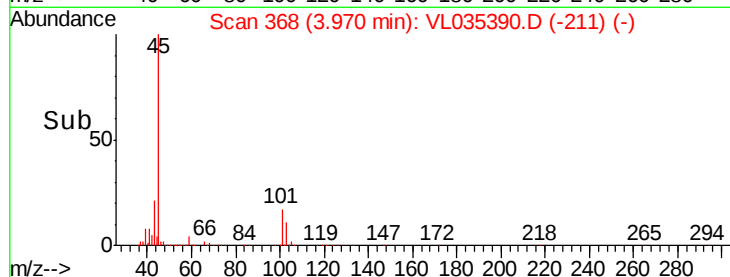
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 7.806 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Tgt Ion: 84 Resp: 516637

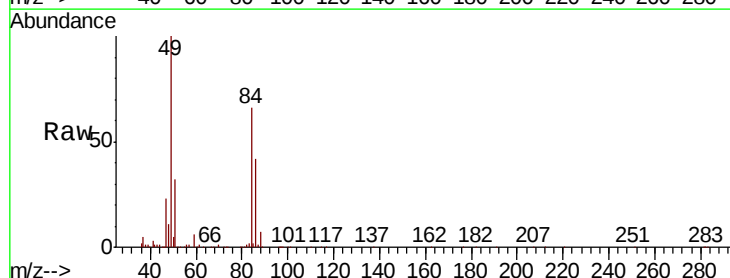
Ion Ratio Lower Upper

84 100

49 149.5 125.7 188.5

51 46.7 38.5 57.7

86 63.5 52.4 78.6



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

800000

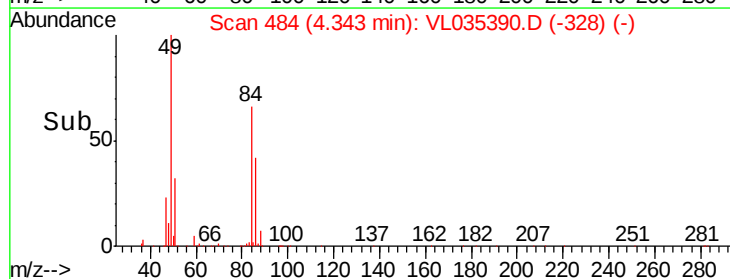
600000

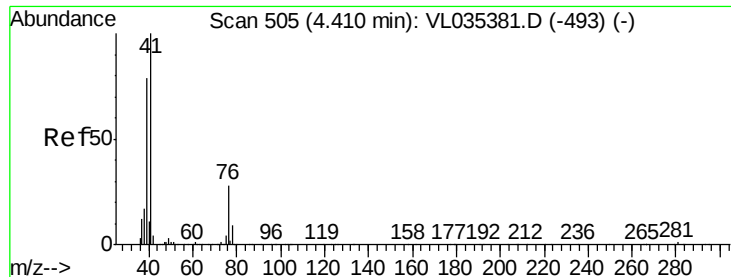
400000

200000

0

Time-->

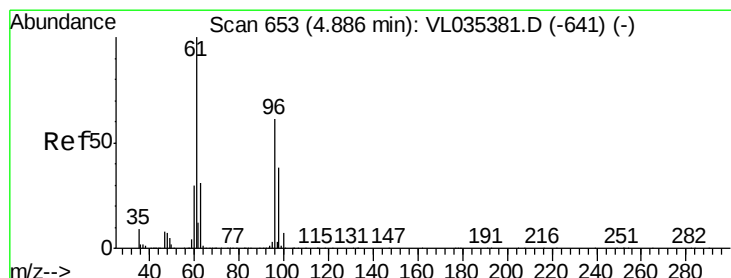
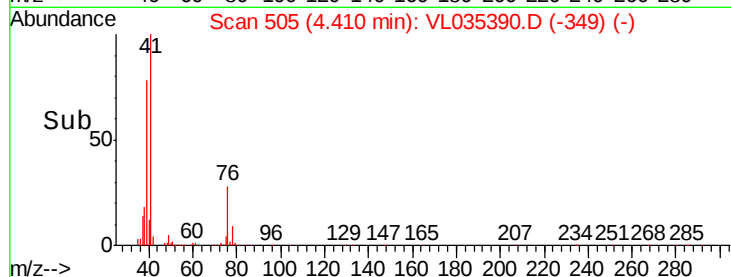
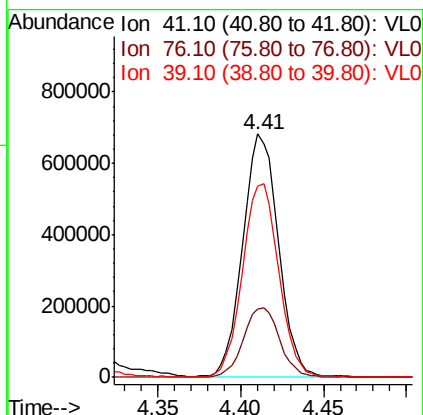
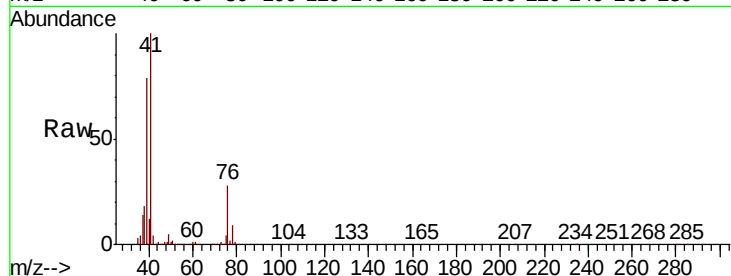




#21
Allvl Chloride
Concen: 8.857 ppbv
RT: 4.41 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

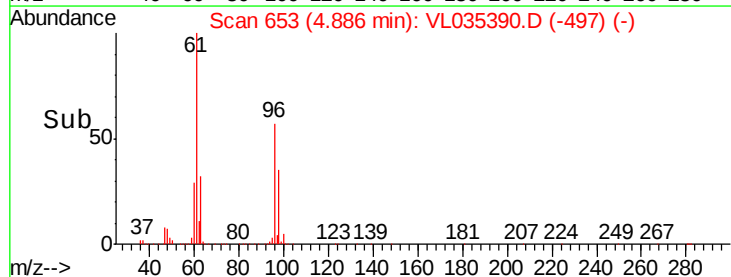
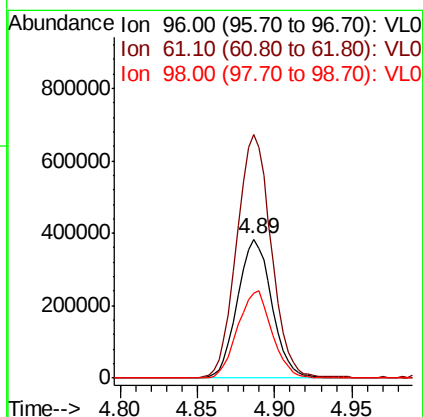
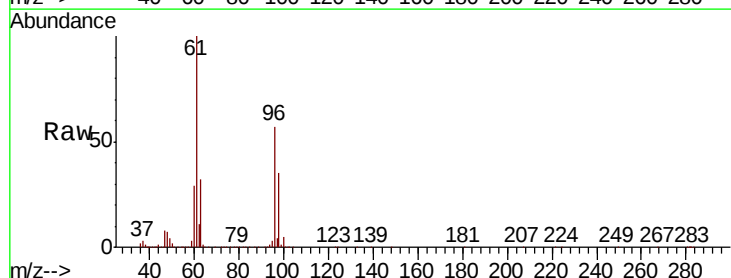
Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

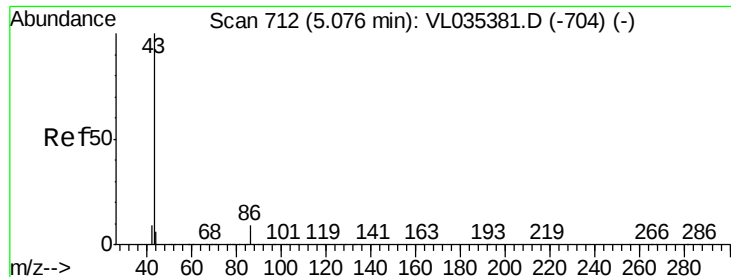
Tot Ion: 41 Resp: 1019318
Ion Ratio Lower Upper
41 100
76 29.3 22.4 33.6
39 80.3 63.0 94.4



#22
trans-1,2-Dichloroethene
Concen: 9.293 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion: 96 Resp: 591525
Ion Ratio Lower Upper
96 100
61 175.2 131.8 197.6
98 61.3 49.6 74.4





#23

Vinyl Acetate

Concen: 8.861 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

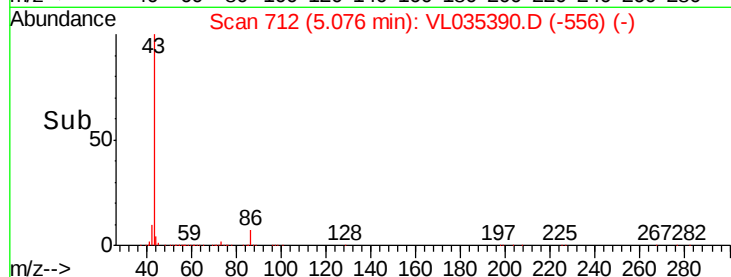
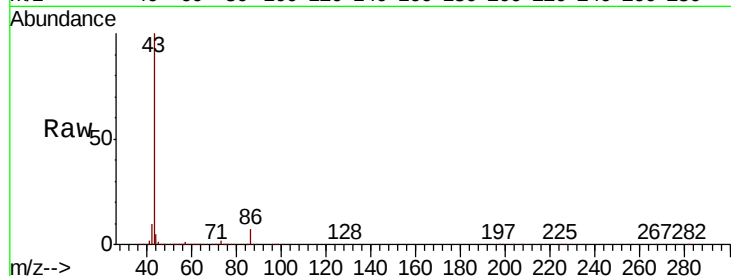
MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion: 43 Resp: 2479470

Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.8	8.8
42	9.5	8.0	12.0
44	5.1	4.2	6.2

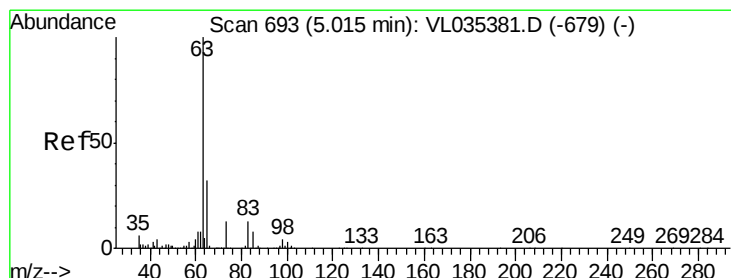
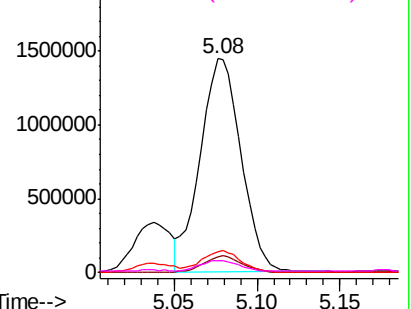


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#24

1,1-Dichloroethane

Concen: 8.967 ppbv

RT: 5.01 min Scan# 693

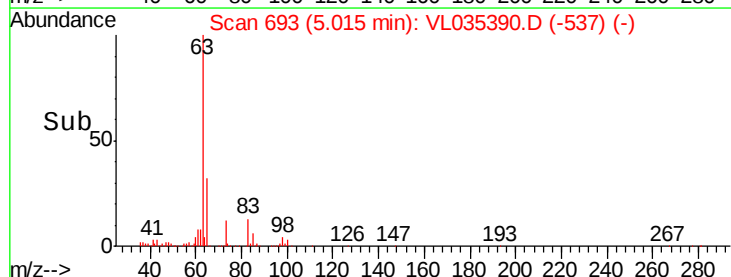
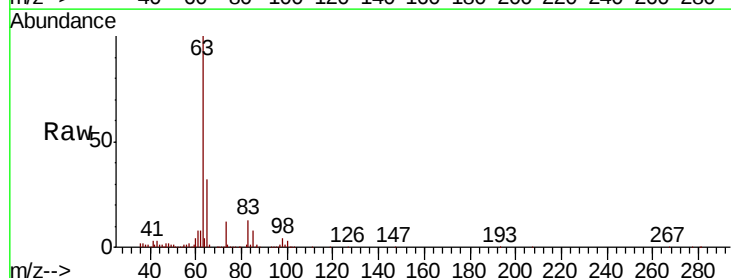
Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Tgt Ion: 63 Resp: 1652221

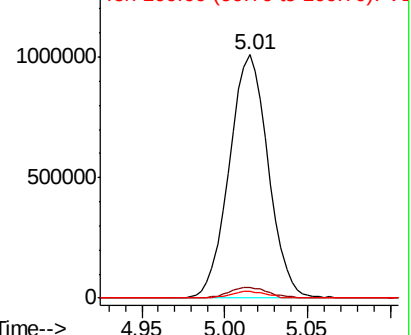
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.2	6.6
100	2.9	1.4	4.0

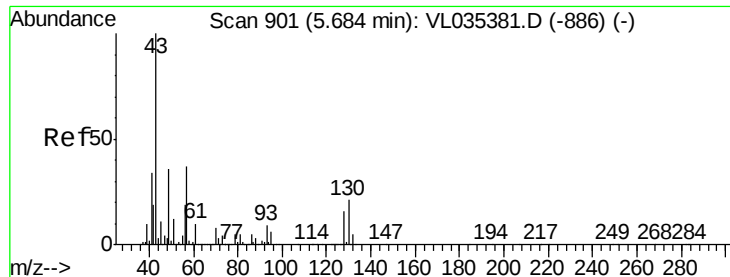


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.431 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion: 43 Resp: 3049954

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.0	12.0
61	9.7	7.4	11.2
70	7.5	5.9	8.9

43 100

45 10.3 8.0 12.0

61 9.7 7.4 11.2

70 7.5 5.9 8.9

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

2000000

1500000

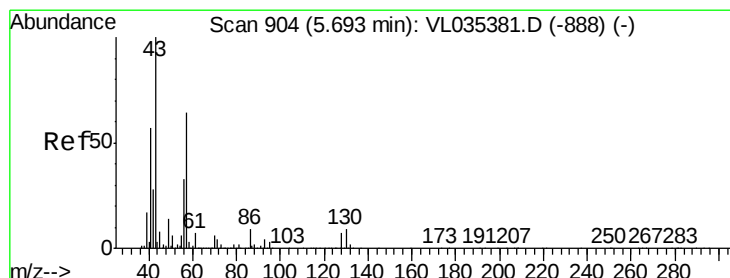
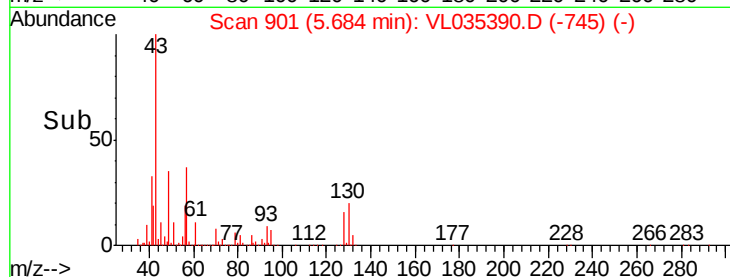
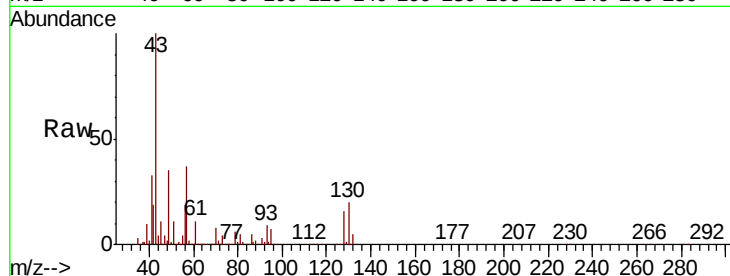
1000000

500000

0

5.60 5.65 5.70 5.75

Time-->



#26

Hexane

Concen: 8.438 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Tgt Ion: 57 Resp: 1335739

Ion	Ratio	Lower	Upper
57	100		
41	95.0	75.4	113.2
43	229.5	184.1	276.1
56	52.5	42.2	63.4

57 100

41 95.0 75.4 113.2

43 229.5 184.1 276.1

56 52.5 42.2 63.4

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

2000000

1500000

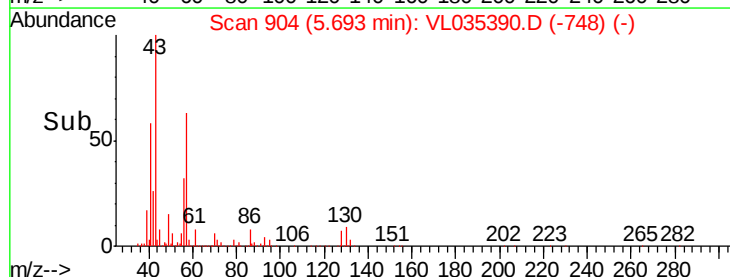
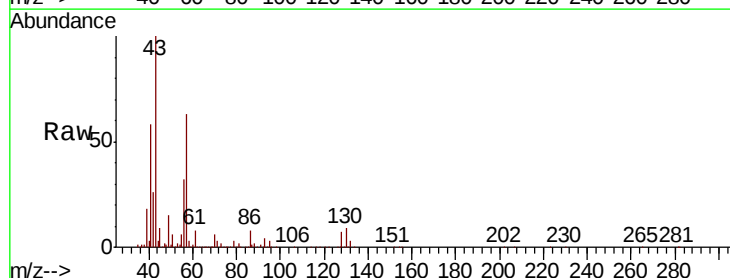
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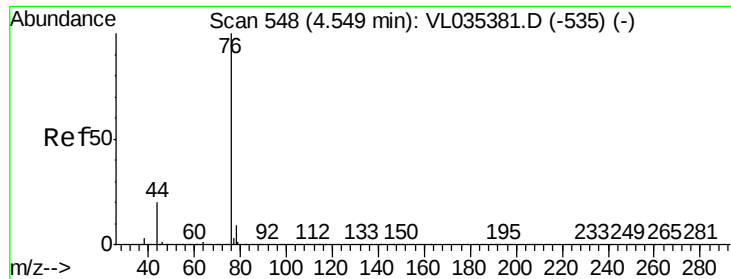
500000

0

5.60 5.65 5.70 5.75

Time-->





#27

Carbon Disulfide

Concen: 9.178 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

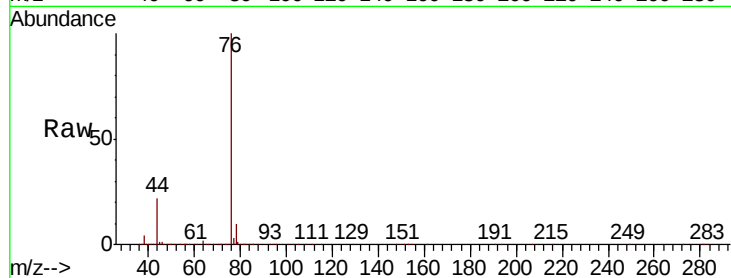
MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion: 76 Resp: 1551122

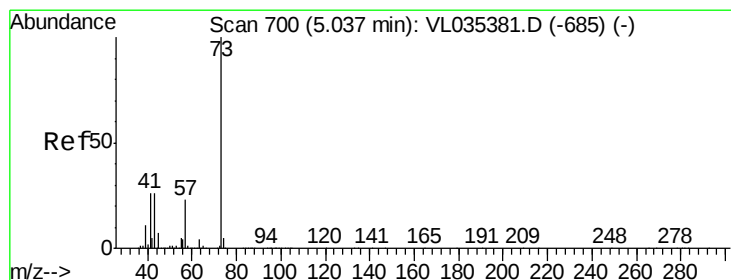
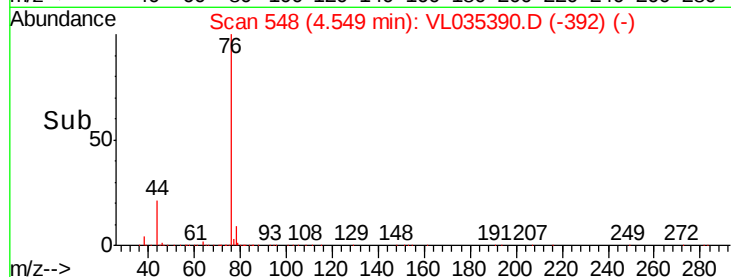
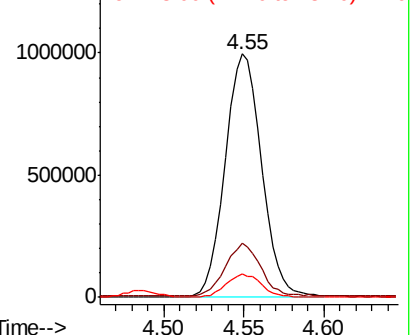
Ion	Ratio	Lower	Upper
76	100		
44	20.4	17.0	25.4
78	9.3	7.5	11.3



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.728 ppbv

RT: 5.04 min Scan# 700

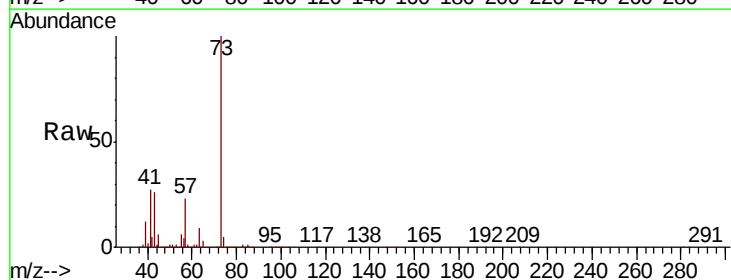
Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

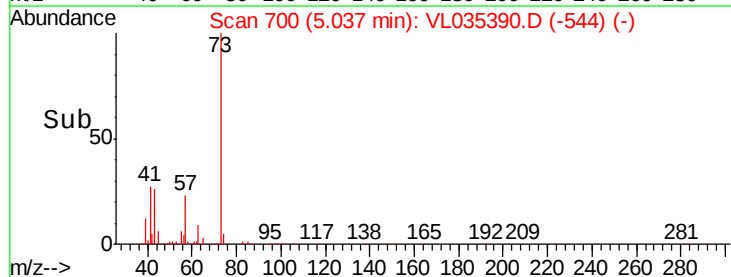
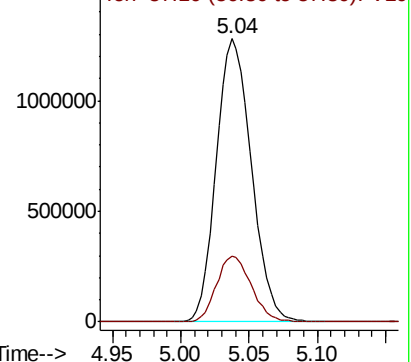
Tgt Ion: 73 Resp: 2281430

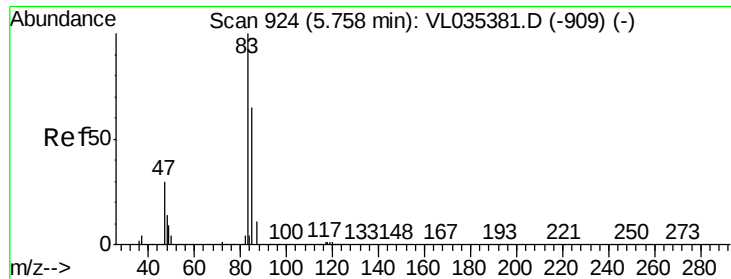
Ion	Ratio	Lower	Upper
73	100		
57	23.3	19.0	28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.092 ppbv

RT: 5.76 min Scan# 924

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

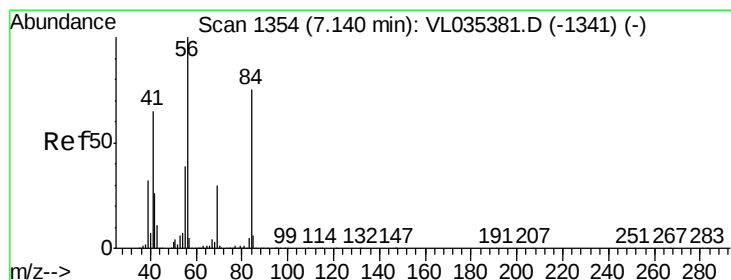
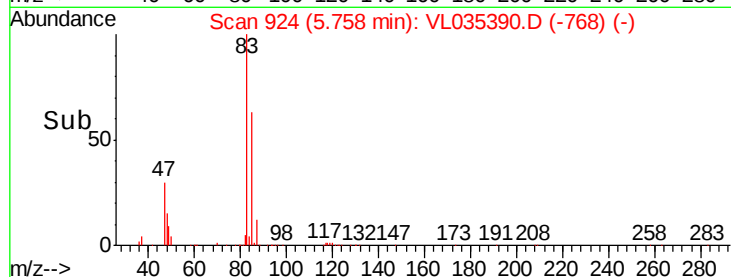
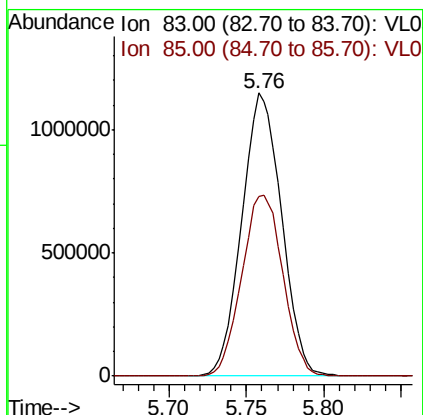
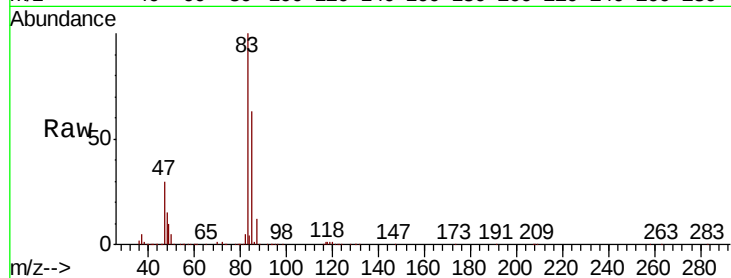
ICVVL081220

Tot Ion: 83 Resp: 2054138

Ion Ratio Lower Upper

83 100

85 63.2 51.7 77.5



#30

Cyclohexane

Concen: 8.842 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

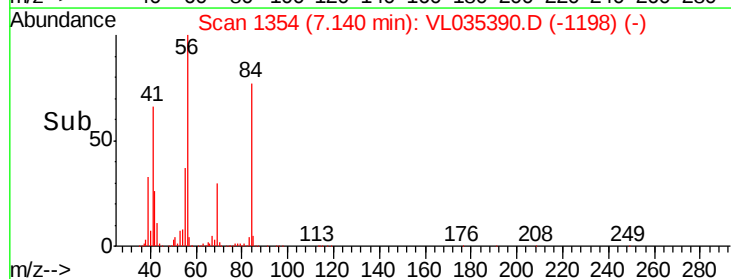
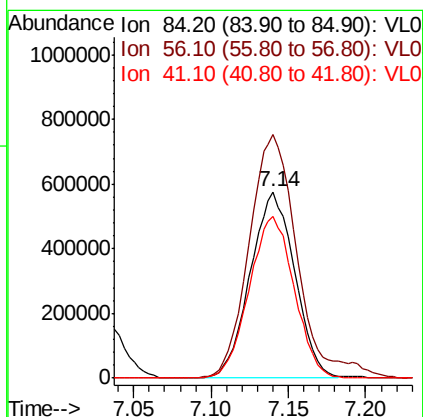
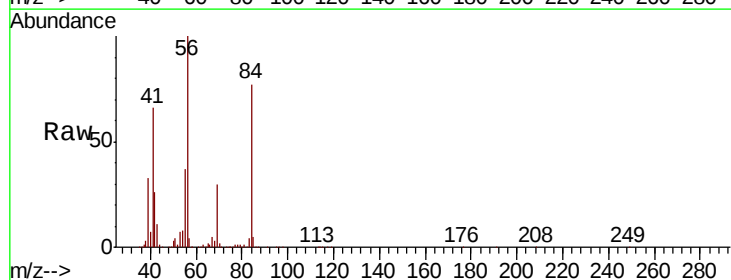
Tgt Ion: 84 Resp: 1153759

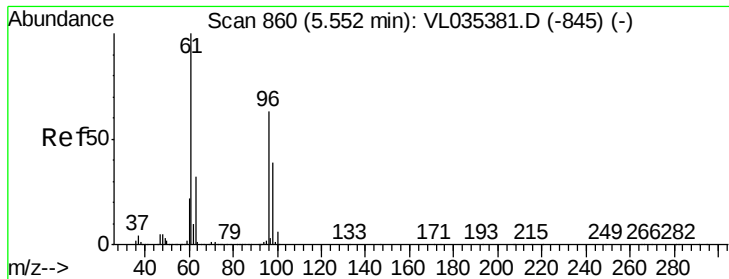
Ion Ratio Lower Upper

84 100

56 141.9 115.8 173.6

41 87.3 71.4 107.0



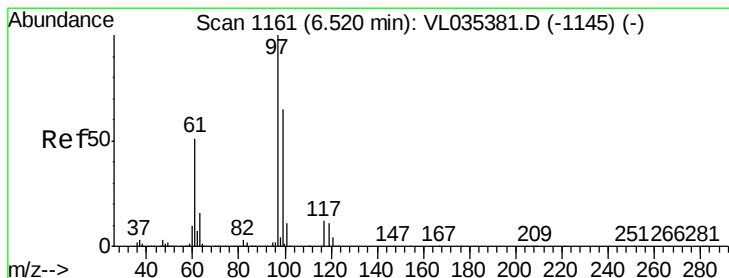
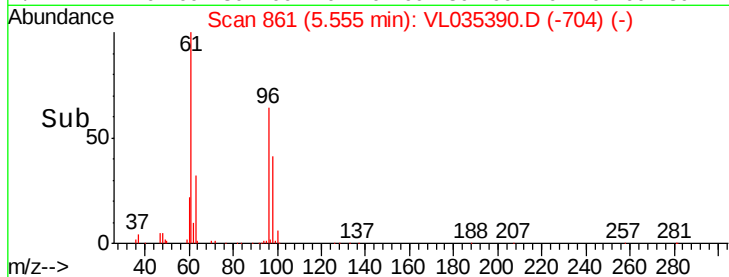
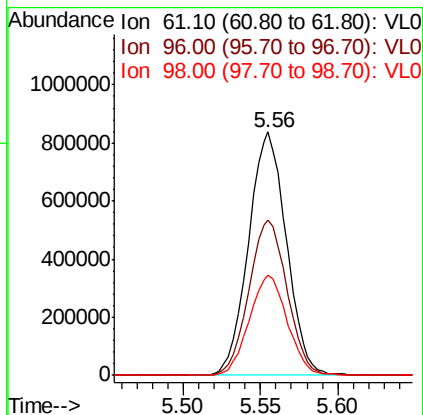
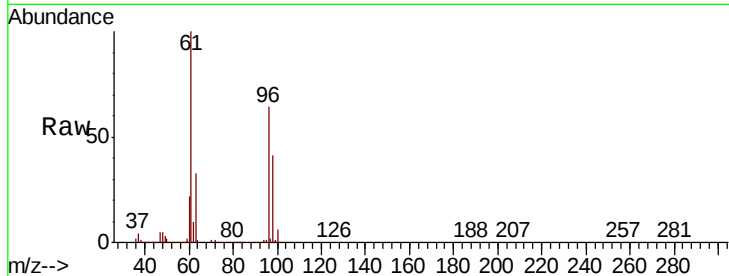


#31

cis-1,2-Dichloroethene
 Concen: 9.114 ppbv
 RT: 5.56 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081220

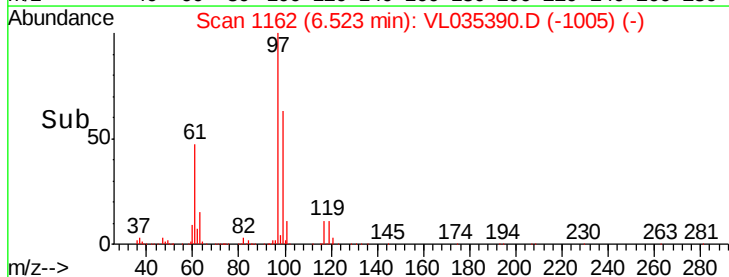
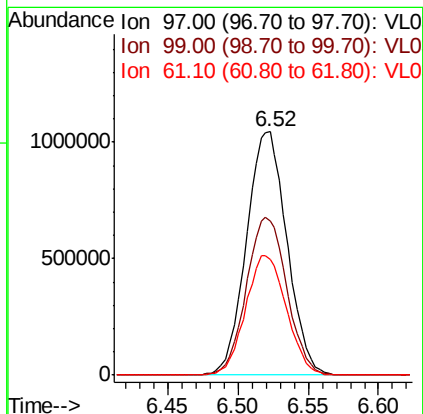
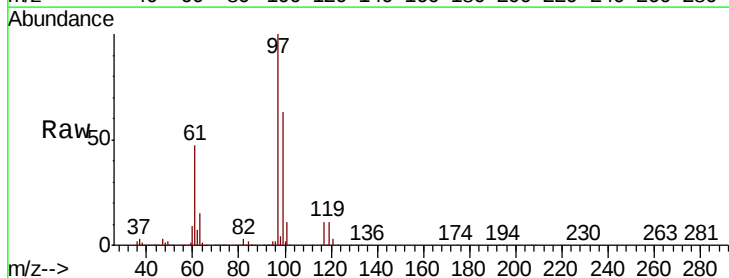
Tot Ion: 61 Resp: 1430658
 Ion Ratio Lower Upper
 61 100
 96 63.6 50.5 75.7
 98 41.2 31.5 47.3

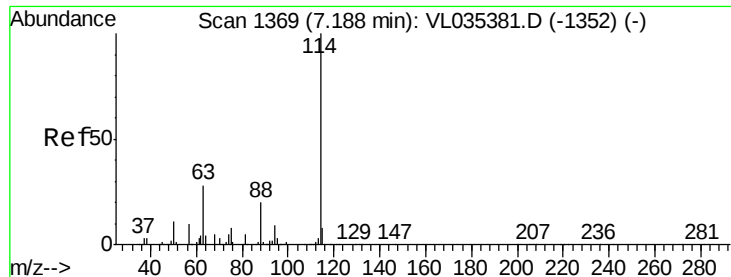


#32

1,1,1-Trichloroethane
 Concen: 8.524 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Tgt Ion: 97 Resp: 2100516
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.8 77.8
 61 49.6 39.6 59.4

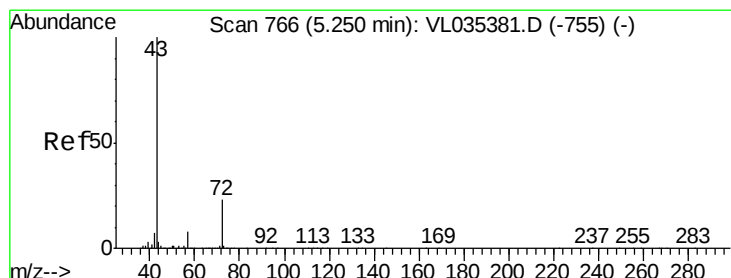
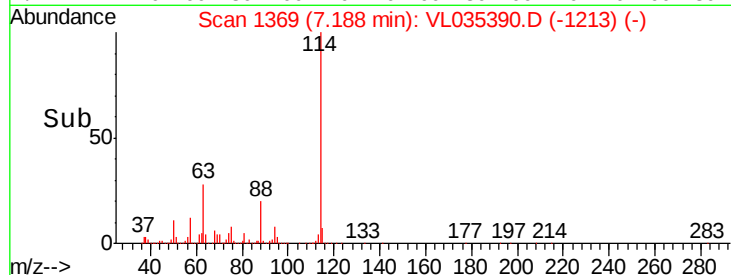
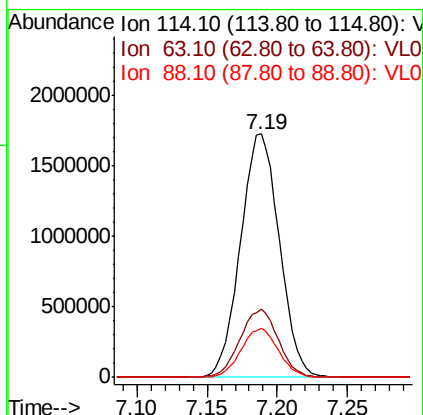
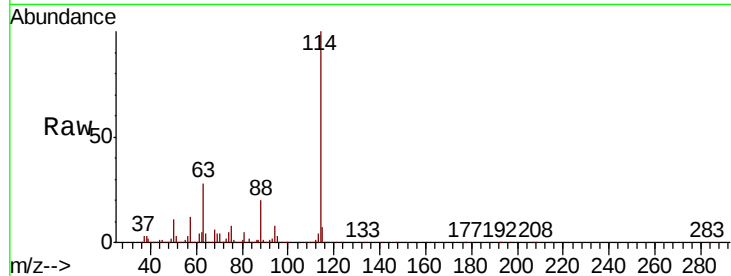




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

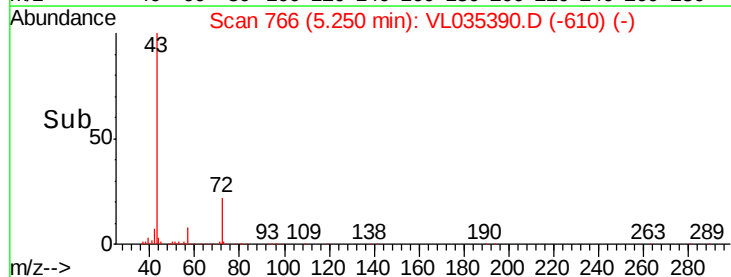
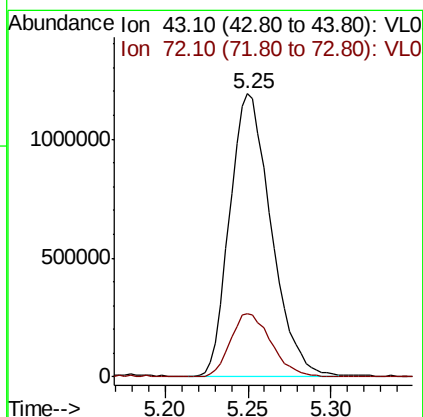
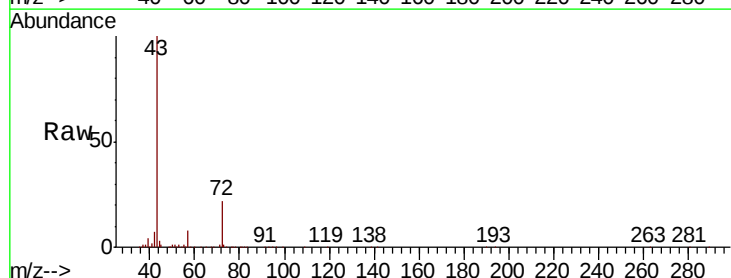
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081220

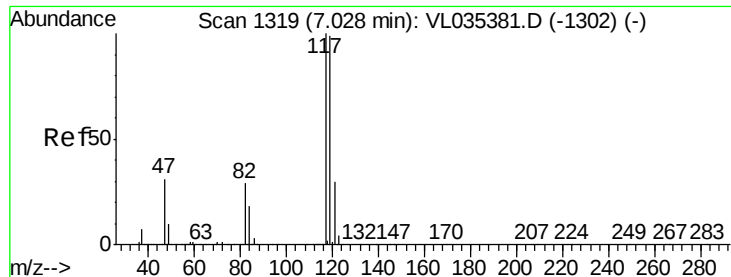
Tot Ion:114 Resp: 3338216
 Ion Ratio Lower Upper
 114 100
 63 27.9 21.5 32.3
 88 19.5 15.6 23.4



#34
 2-Butanone
 Concen: 8.658 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Tgt Ion: 43 Resp: 2059722
 Ion Ratio Lower Upper
 43 100
 72 22.5 17.7 26.5





#35

Carbon Tetrachloride

Concen: 8.936 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

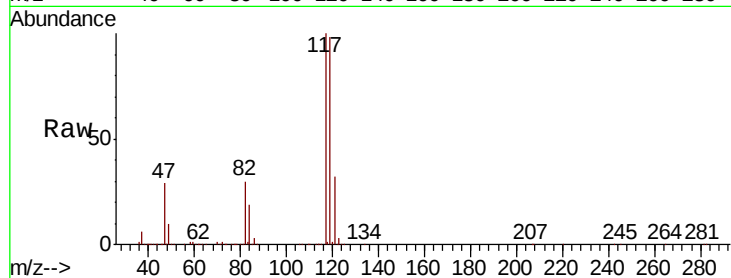
Tot Ion:117 Resp: 2073504

Ion Ratio Lower Upper

117 100

119 97.7 79.4 119.0

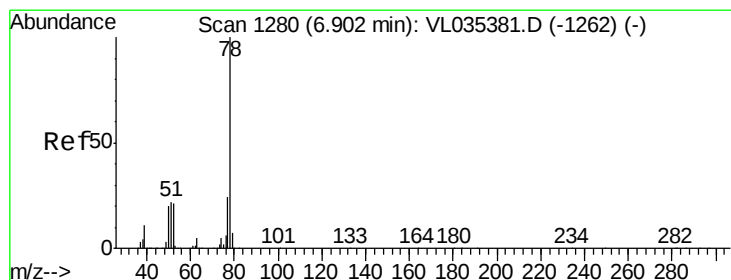
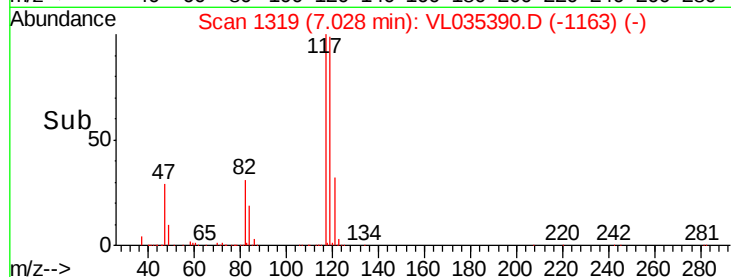
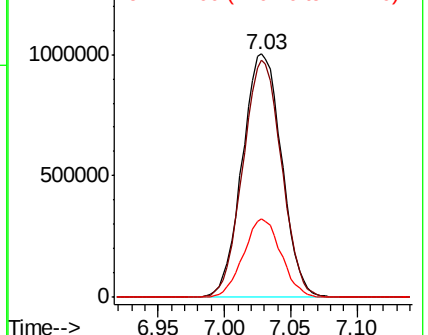
121 32.0 24.3 36.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.773 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

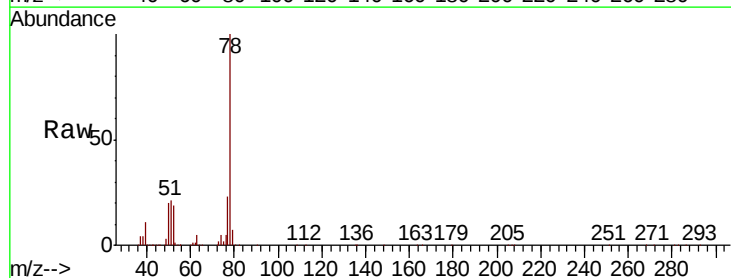
Tgt Ion: 78 Resp: 2808562

Ion Ratio Lower Upper

78 100

77 23.0 19.1 28.7

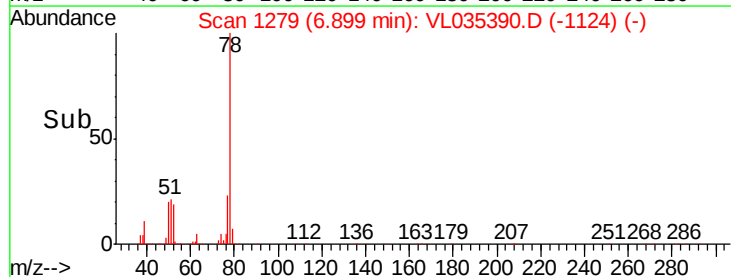
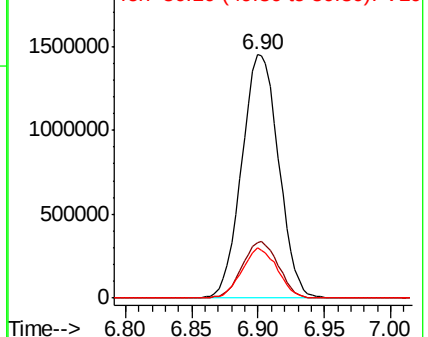
50 20.4 15.8 23.6

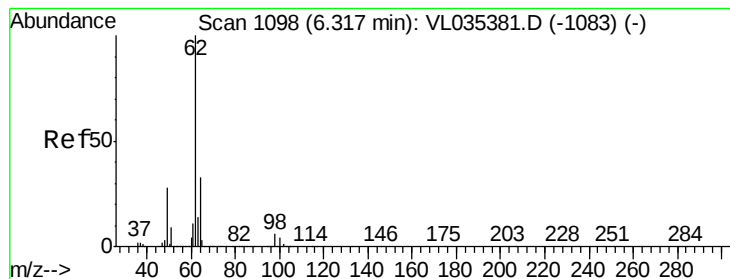


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.160 ppbv

RT: 6.32 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

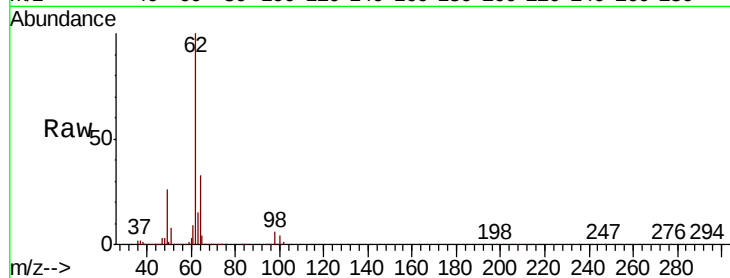
ICVVL081220

Tot Ion: 62 Resp: 1627626

Ion Ratio Lower Upper

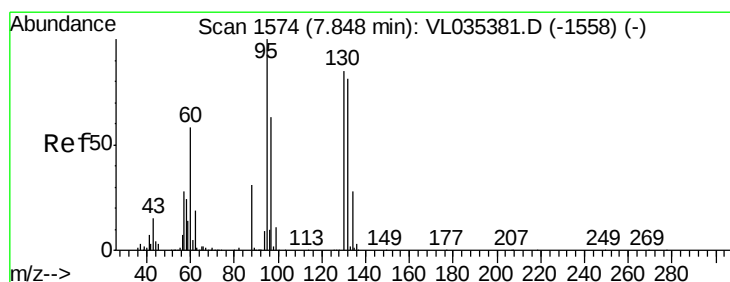
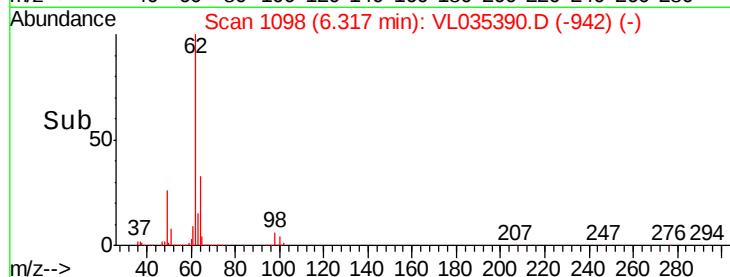
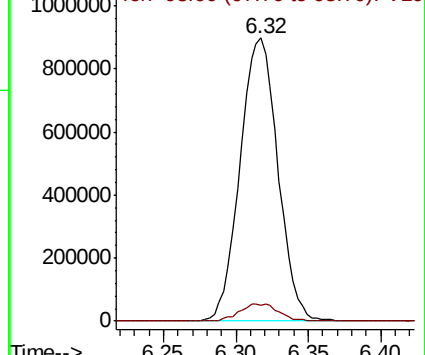
62 100

98 6.3 5.1 7.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 7.958 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Tgt Ion:130 Resp: 998320

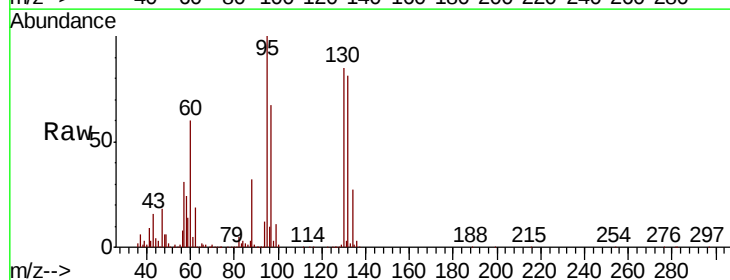
Ion Ratio Lower Upper

130 100

95 117.5 94.2 141.4

132 94.7 76.6 114.8

97 78.7 59.3 88.9

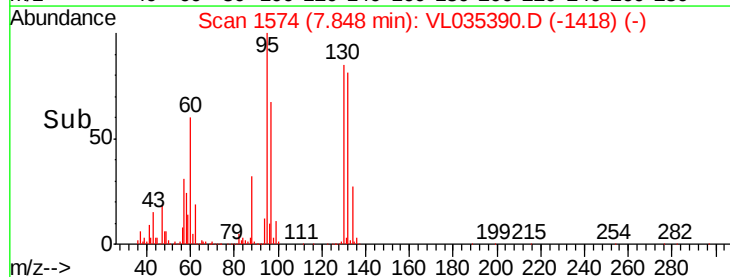
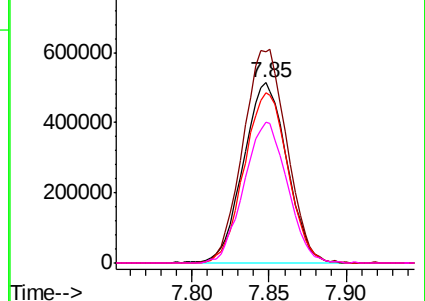


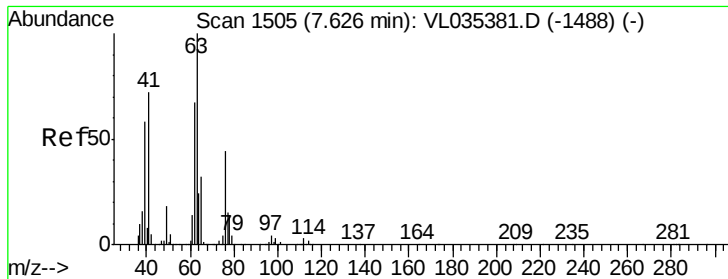
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 8.817 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. -0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

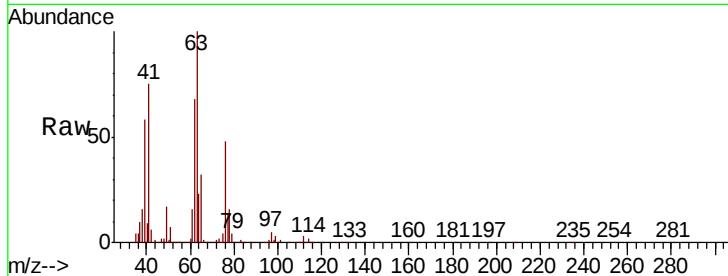
Tot Ion: 63 Resp: 1117579

Ion Ratio Lower Upper

63 100

41 75.3 57.4 86.2

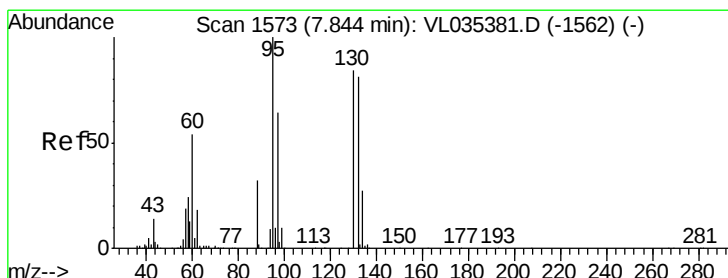
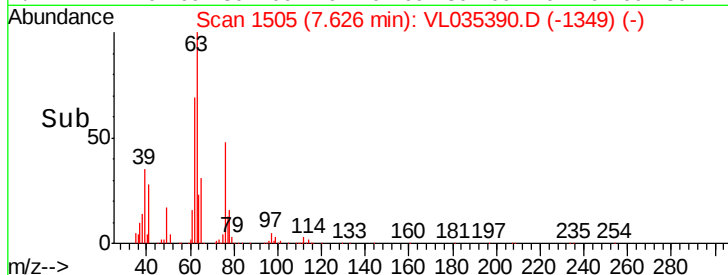
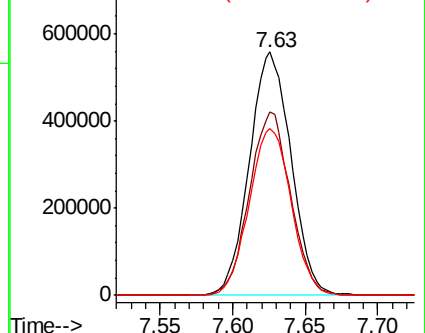
62 68.5 53.6 80.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.932 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Tgt Ion: 88 Resp: 461107

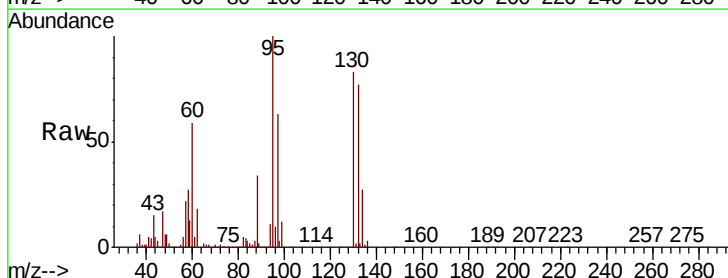
Ion Ratio Lower Upper

88 100

58 125.6 105.0 157.6

43 244.9 204.2 306.2

57 1012.6 855.0 1282.4

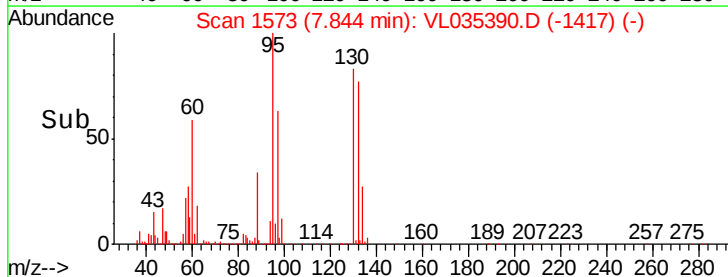
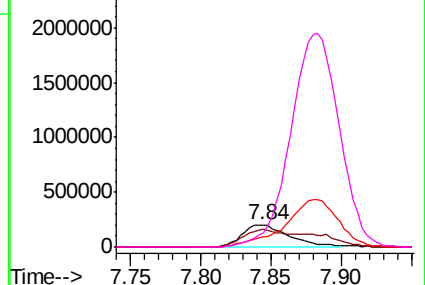


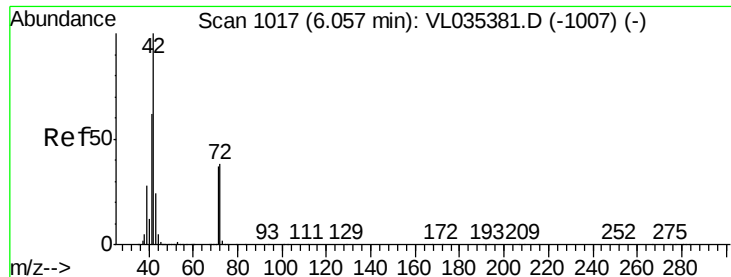
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 8.753 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

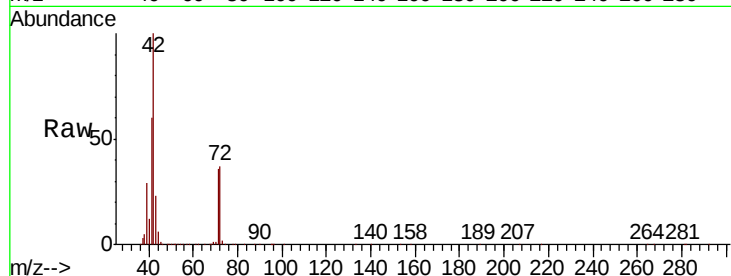
Tot Ion: 42 Resp: 1242218

Ion Ratio Lower Upper

42 100

72 37.3 30.2 45.2

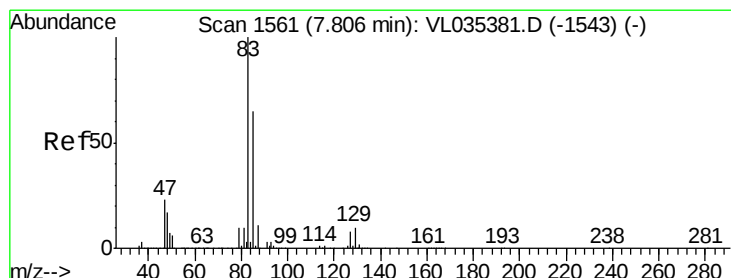
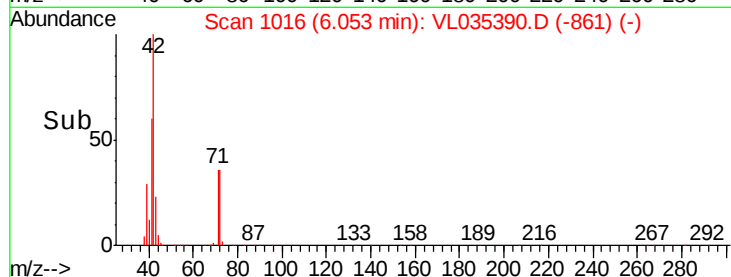
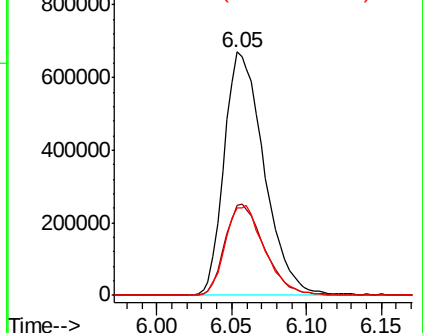
71 36.6 28.6 42.8



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.179 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

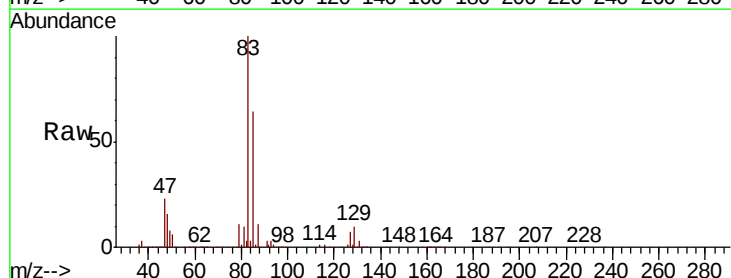
Tgt Ion: 83 Resp: 2297608

Ion Ratio Lower Upper

83 100

85 64.1 52.2 78.4

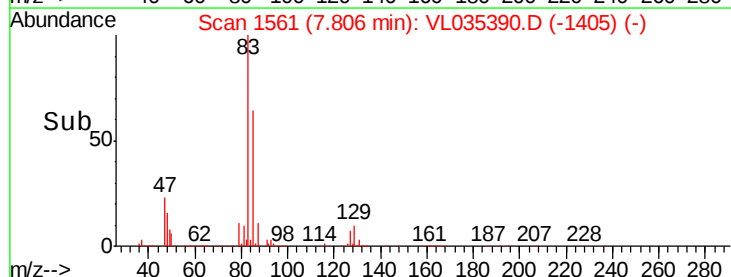
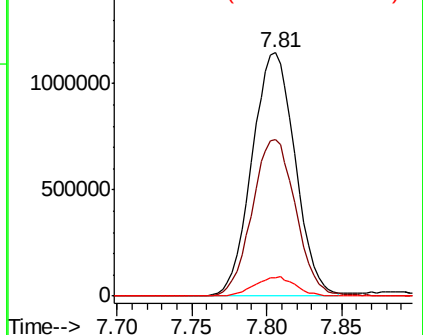
127 7.5 6.3 9.5

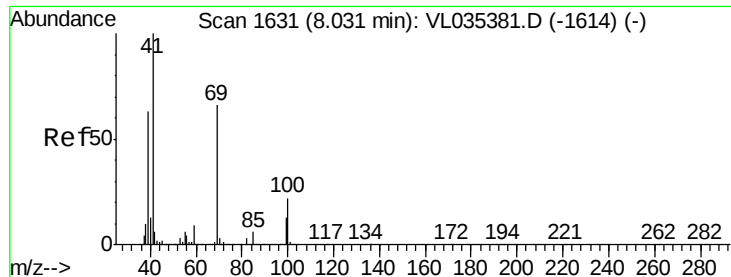


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 9.063 ppbv

RT: 8.03 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

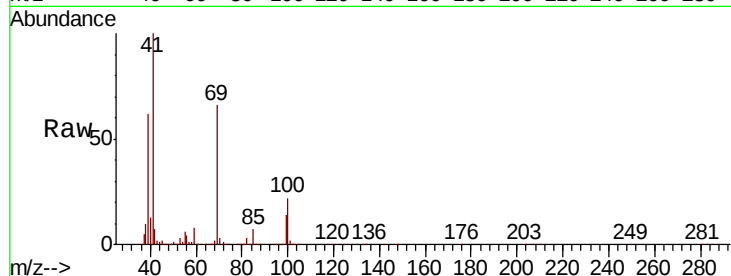
Tot Ion: 69 Resp: 1286972

Ion Ratio Lower Upper

69 100

41 152.3 123.4 185.2

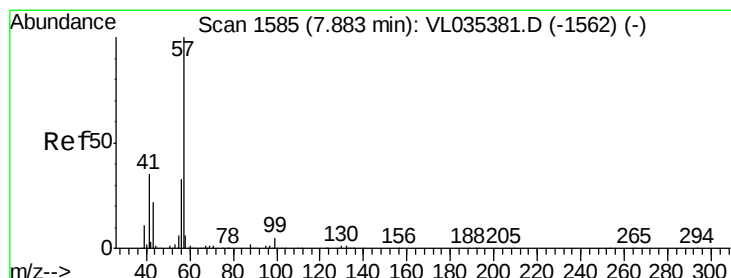
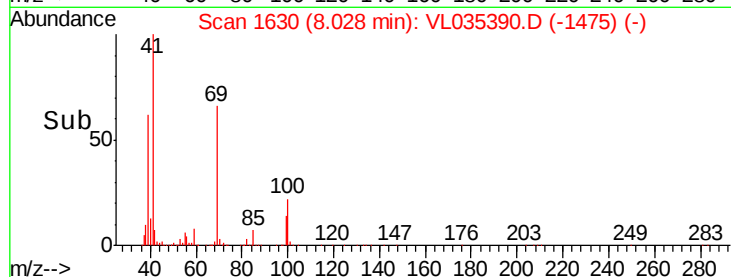
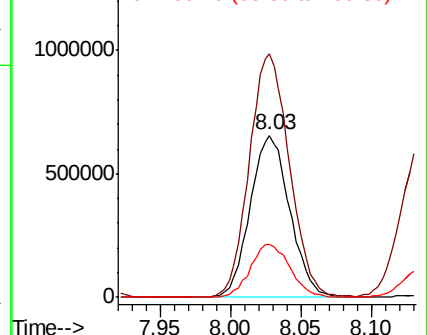
100 33.0 26.7 40.1



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 8.438 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

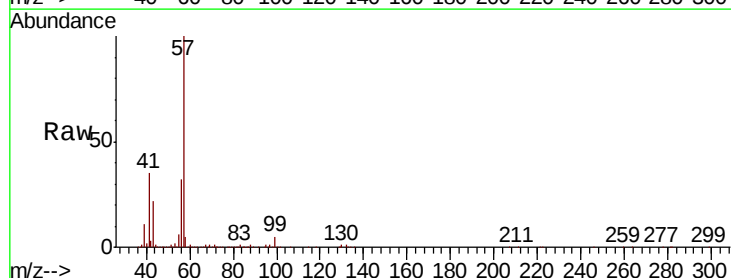
Tgt Ion: 57 Resp: 4646349

Ion Ratio Lower Upper

57 100

41 33.8 26.9 40.3

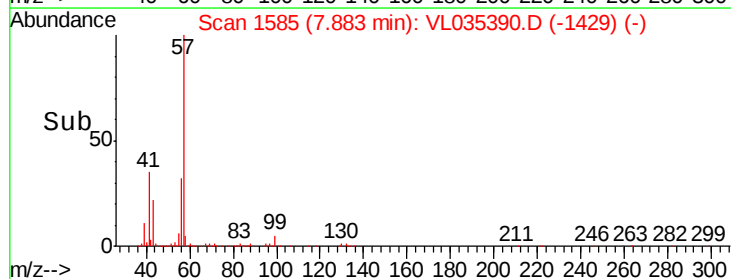
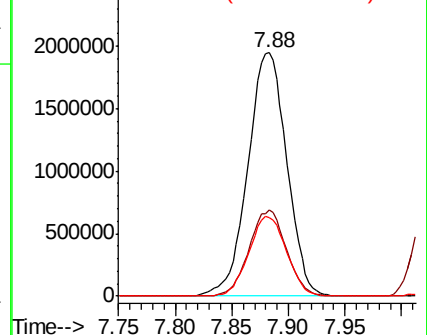
56 31.7 25.6 38.4

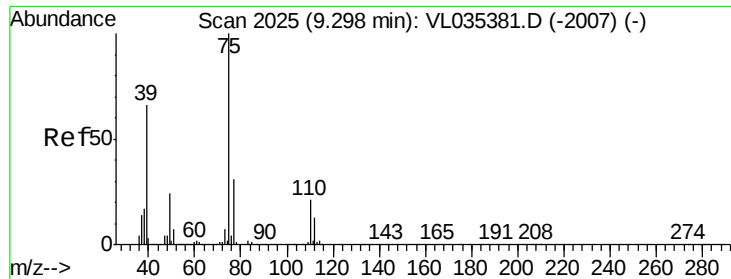


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 9.282 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. -0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

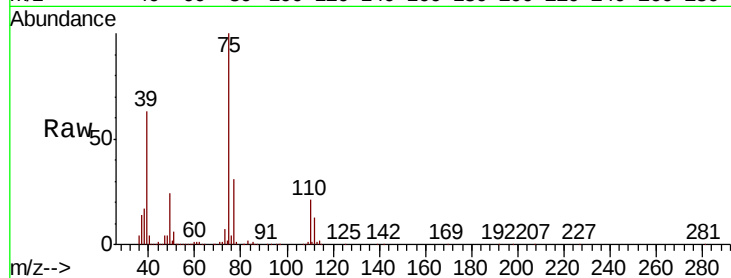
ICVVL081220

Tot Ion: 75 Resp: 1529380

Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

800000

600000

400000

200000

0

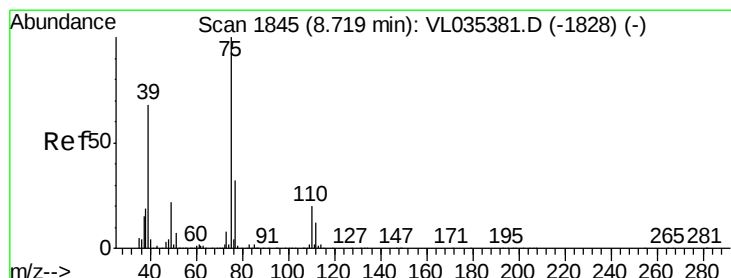
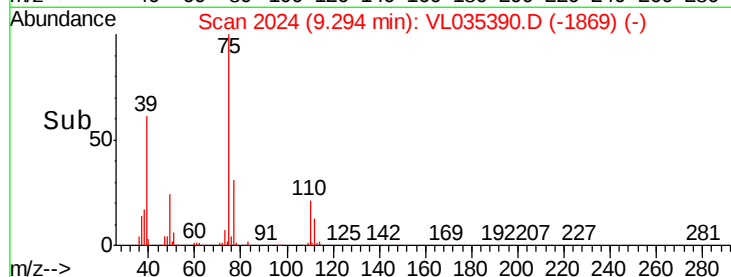
9.29

9.25

9.30

9.35

Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.096 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

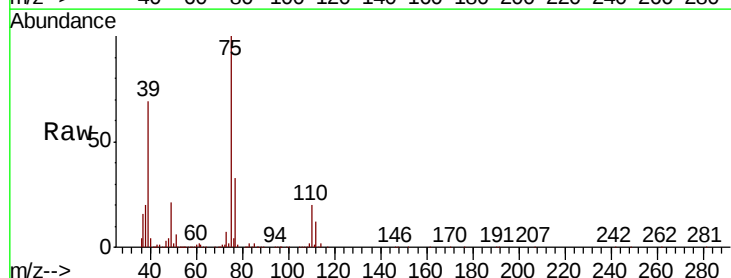
Tgt Ion: 75 Resp: 1750615

Ion Ratio Lower Upper

75 100

39 69.0 54.2 81.2

77 33.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1200000

1000000

800000

600000

400000

200000

0

8.72

8.60

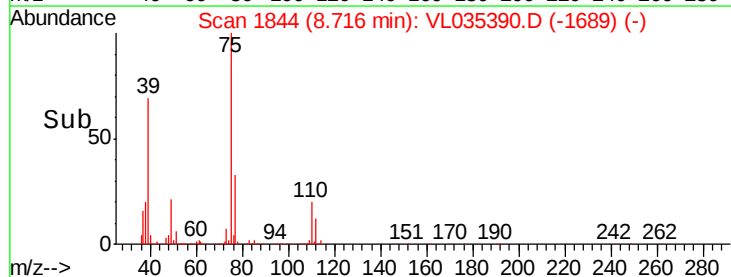
8.65

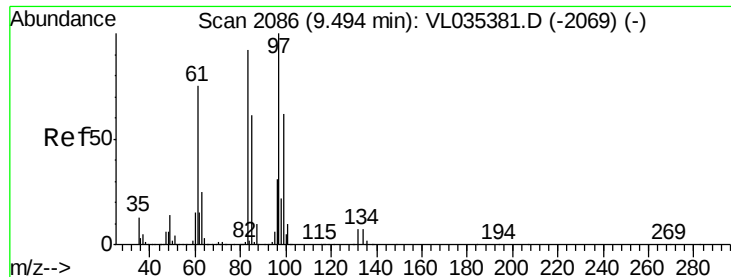
8.70

8.75

8.80

Time-->



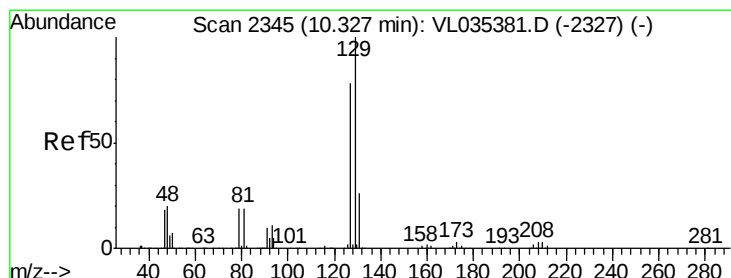
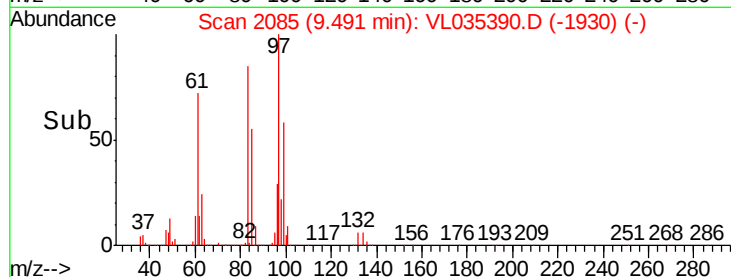
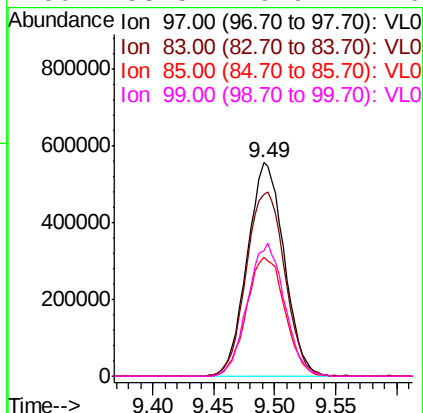
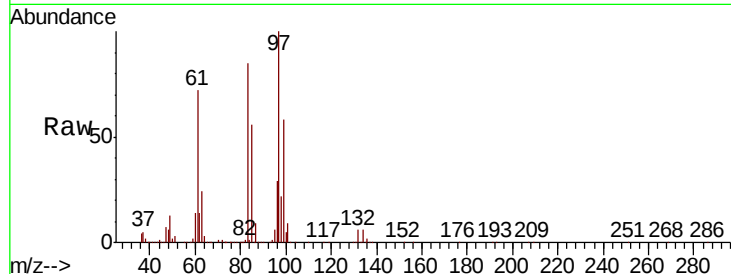


#47
 1,1,2-Trichloroethane
 Concen: 9.039 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081220

Tot Ion: 97 Resp: 1162096

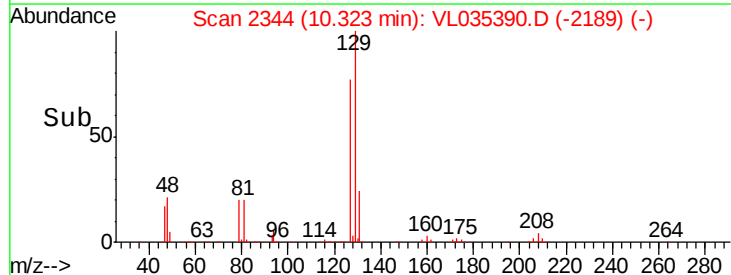
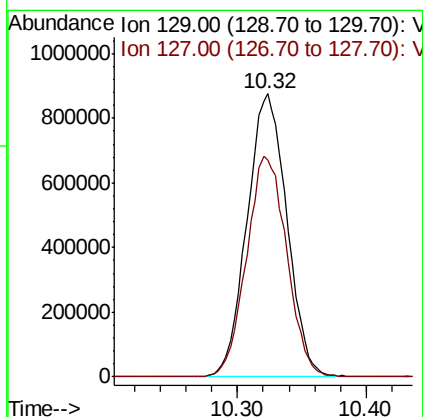
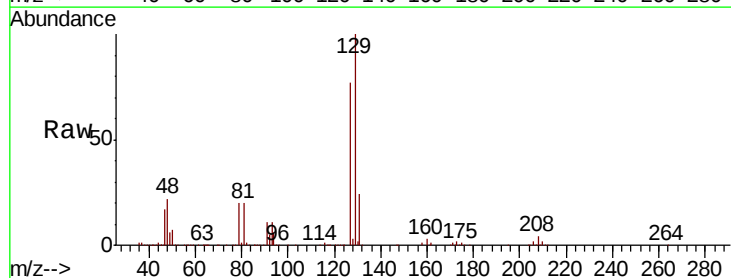
Ion	Ratio	Lower	Upper
97	100		
83	85.1	73.9	110.9
85	55.5	49.0	73.6
99	58.5	49.9	74.9

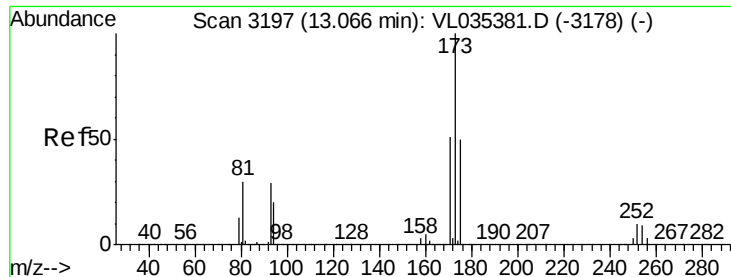


#48
 Dibromochloromethane
 Concen: 9.162 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Tgt Ion: 129 Resp: 1882642

Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.3	117.8





#49

Bromoform

Concen: 9.384 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

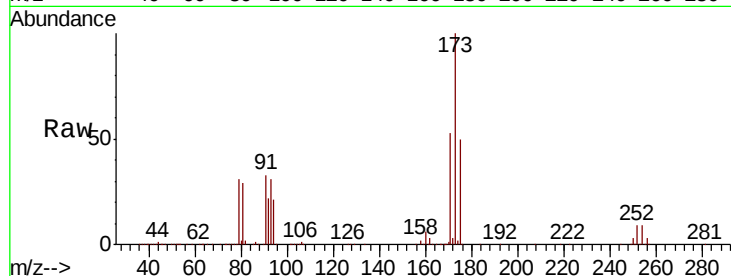
Tot Ion:173 Resp: 1580808

Ion Ratio Lower Upper

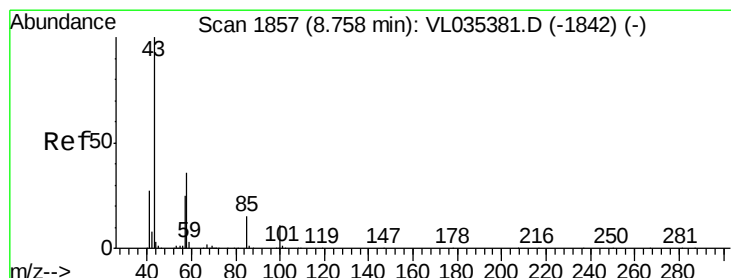
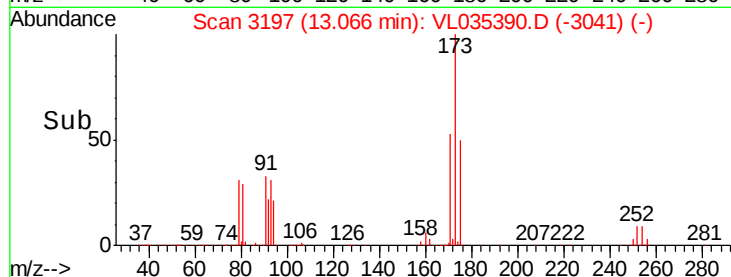
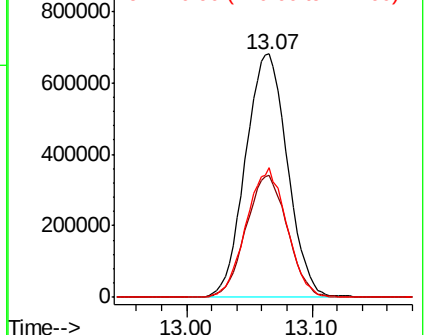
173 100

175 49.7 39.9 59.9

171 51.7 41.8 62.8



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.584 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VL035390.D

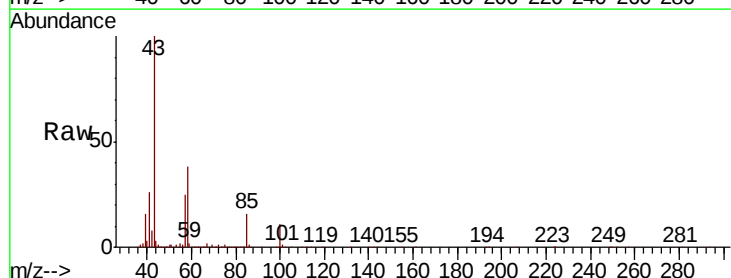
Acq: 12 Aug 2020 20:17

Tgt Ion: 43 Resp: 3077738

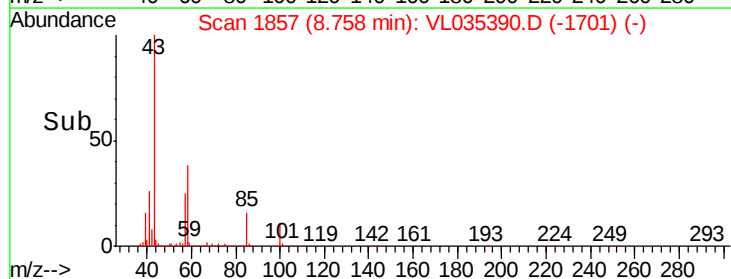
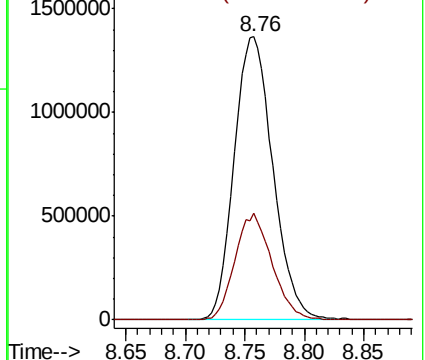
Ion Ratio Lower Upper

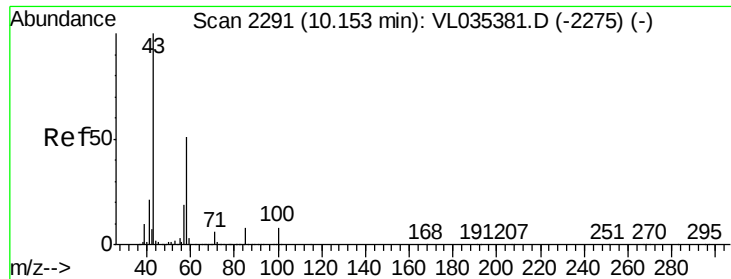
43 100

58 36.3 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 8.721 ppbv

RT: 10.15 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

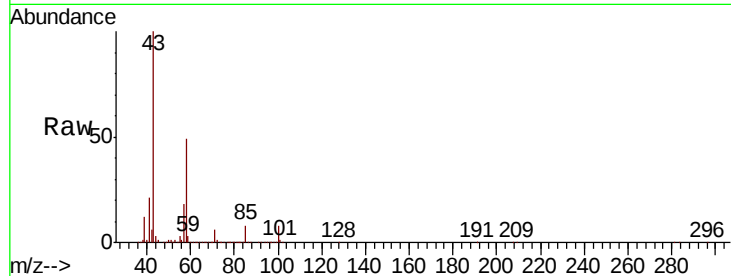
Tot Ion: 43 Resp: 2632475

Ion Ratio Lower Upper

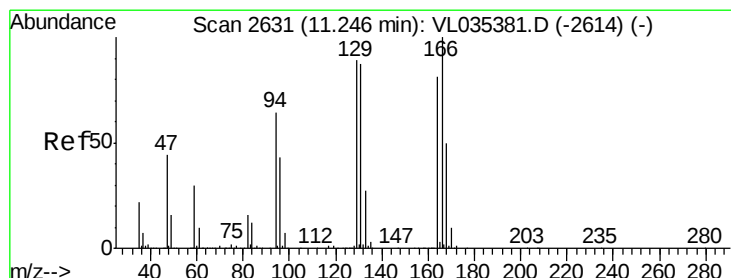
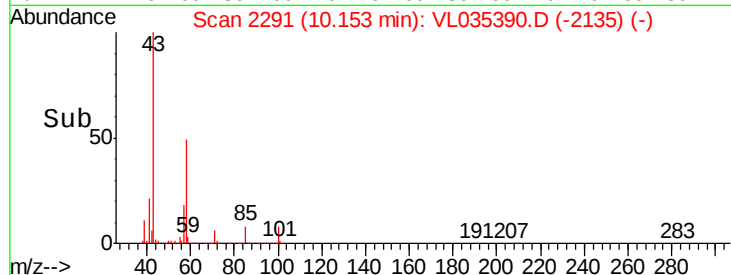
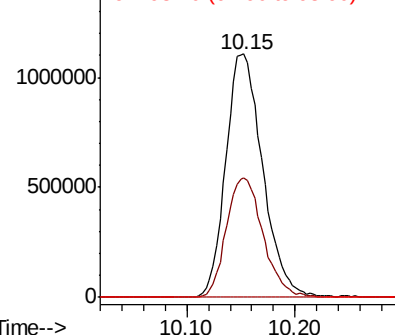
43 100

58 49.2 39.5 59.3

98 0.1 0.1 0.1



Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000 Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.021 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. -0.01 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Tgt Ion: 164 Resp: 910485

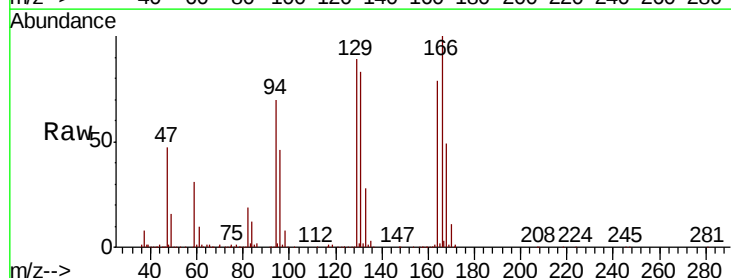
Ion Ratio Lower Upper

164 100

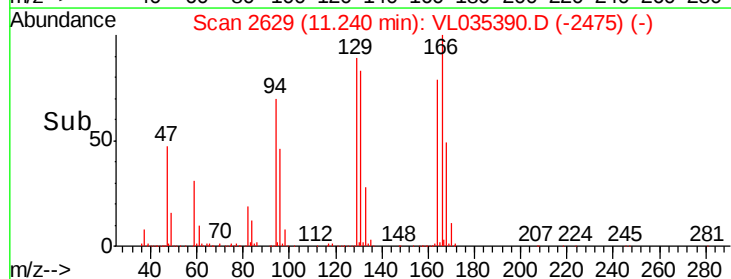
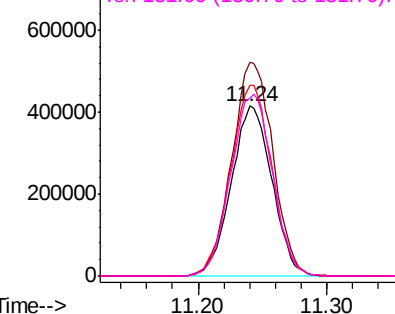
166 125.9 98.2 147.2

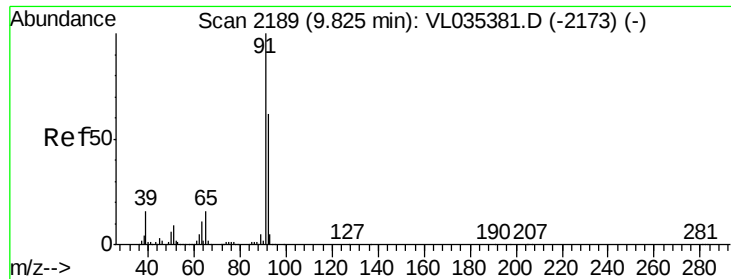
129 112.6 87.3 130.9

131 104.8 85.7 128.5



Abundance Ion 163.90 (163.60 to 164.60): V
800000 Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 8.637 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

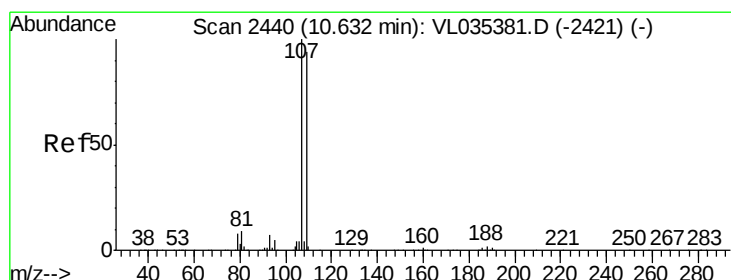
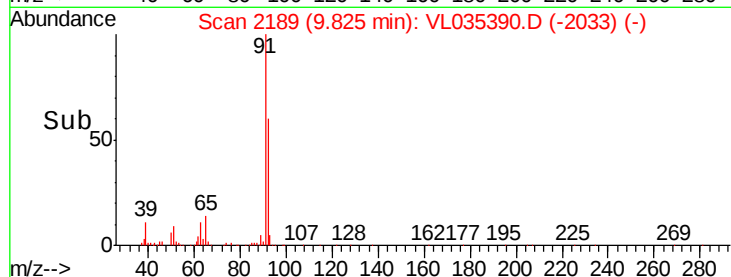
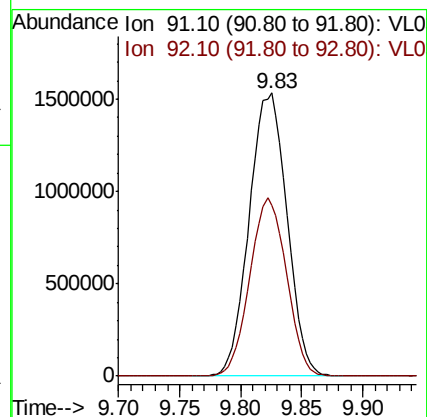
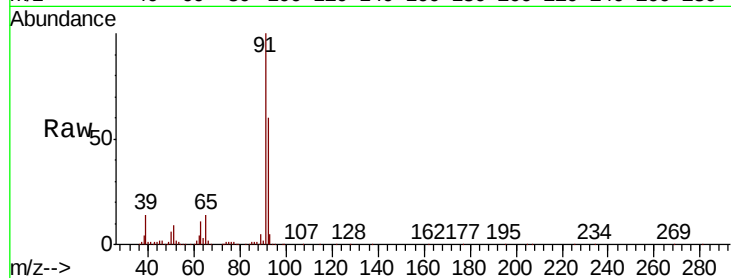
ICVVL081220

Tot Ion: 91 Resp: 3281779

Ion Ratio Lower Upper

91 100

92 61.2 49.1 73.7



#54

1,2-Dibromoethane

Concen: 8.840 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.00 min

Lab File: VL035390.D

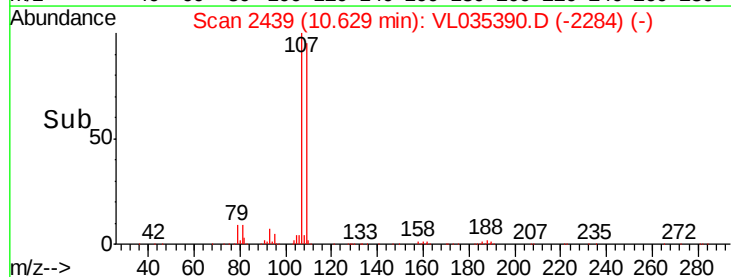
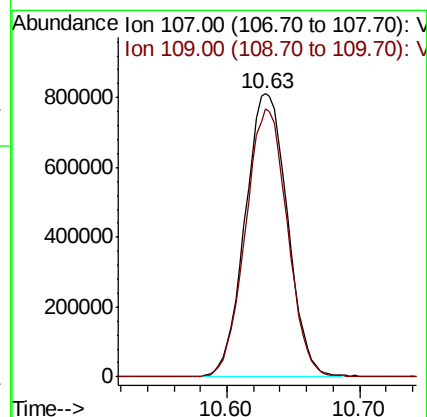
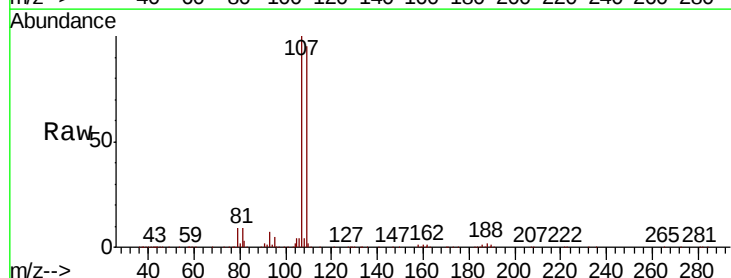
Acq: 12 Aug 2020 20:17

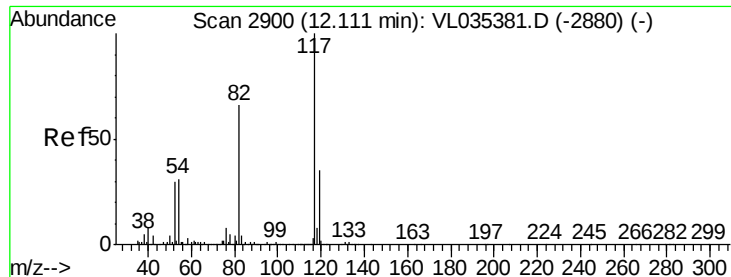
Tgt Ion:107 Resp: 1799835

Ion Ratio Lower Upper

107 100

109 94.7 75.2 112.8

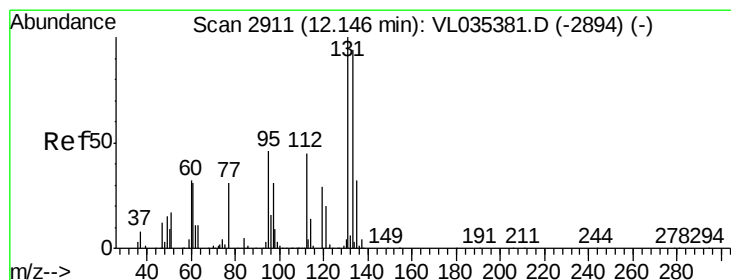
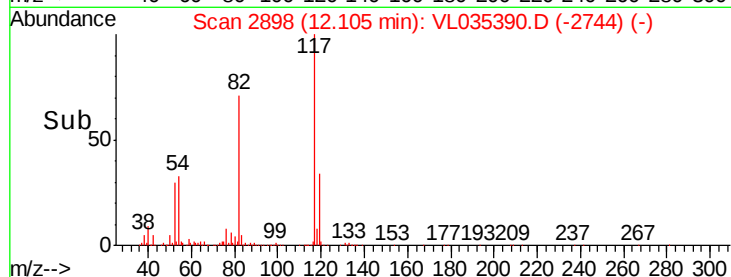
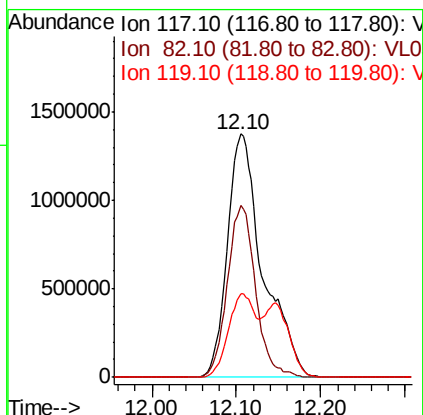
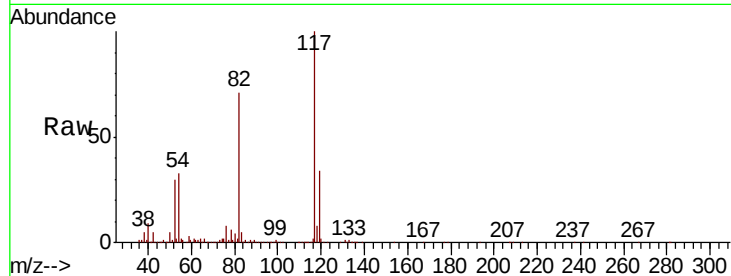




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

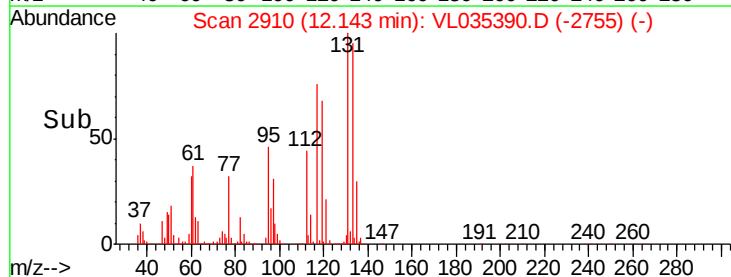
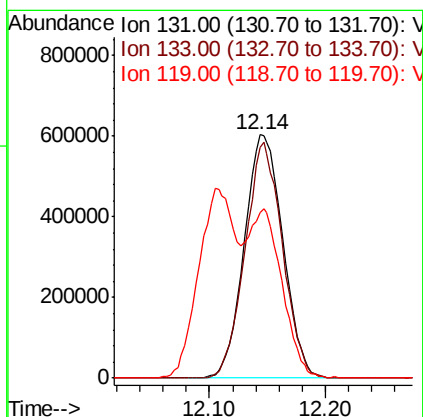
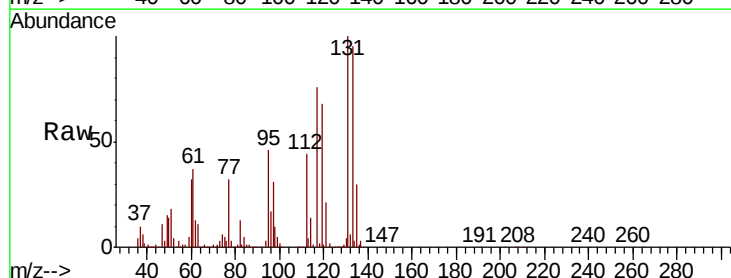
Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

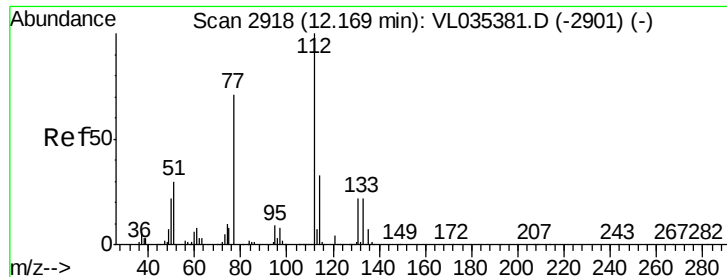
Tot Ion:117 Resp: 4033082
Ion Ratio Lower Upper
117 100
82 56.4 53.0 79.6
119 27.8 25.7 38.5



#56
1,1,1,2-Tetrachloroethane
Concen: 7.125 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion:131 Resp: 1396270
Ion Ratio Lower Upper
131 100
133 94.2 76.1 114.1
119 53.5 47.0 70.4

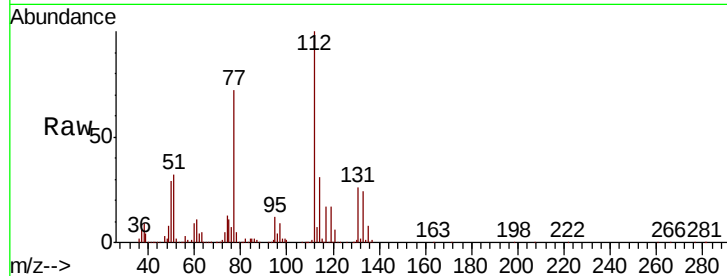




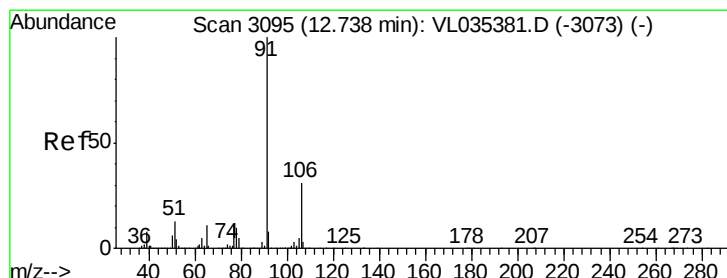
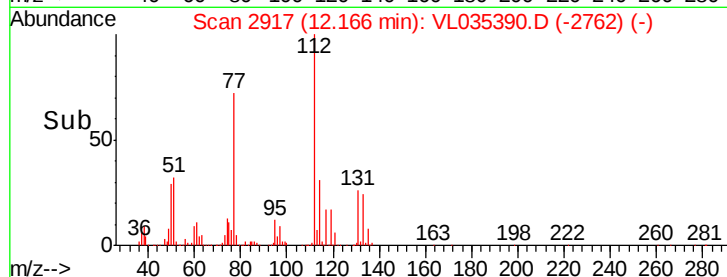
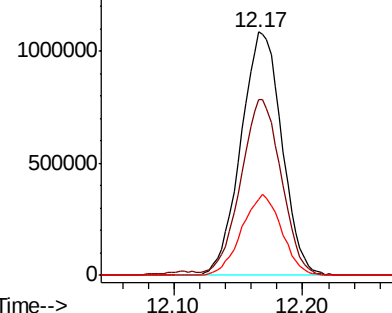
#57
Chlorobenzene
Concen: 6.960 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

Tot Ion:112 Resp: 2392872
Ion Ratio Lower Upper
112 100
77 71.6 57.6 86.4
114 31.3 30.0 36.6

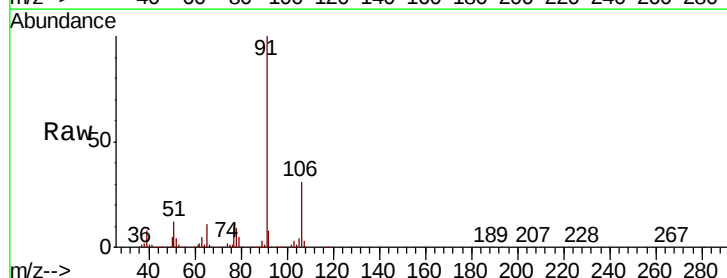


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

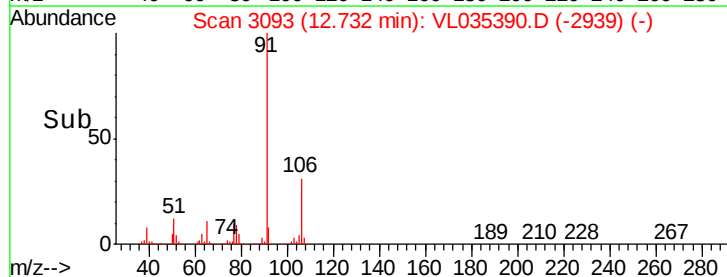
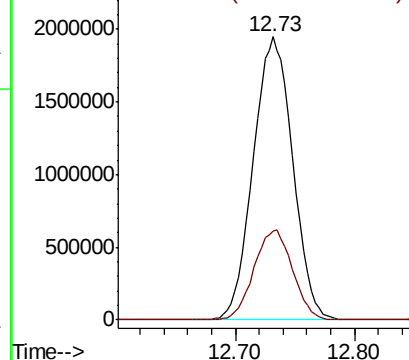


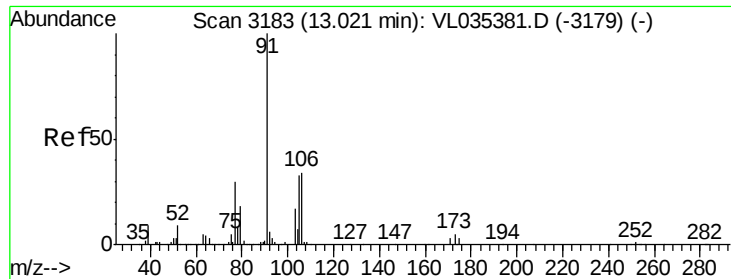
#58
Ethyl Benzene
Concen: 6.998 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion: 91 Resp: 4460556
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

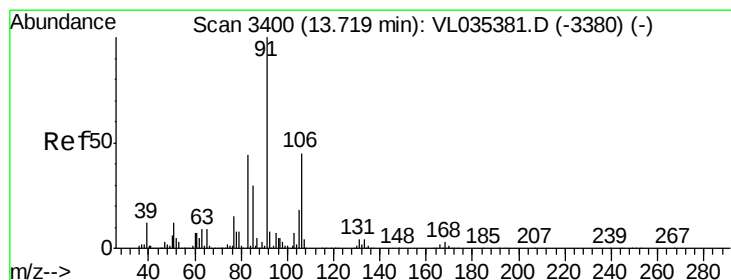
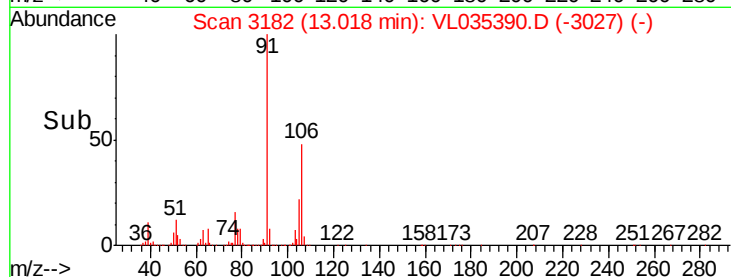
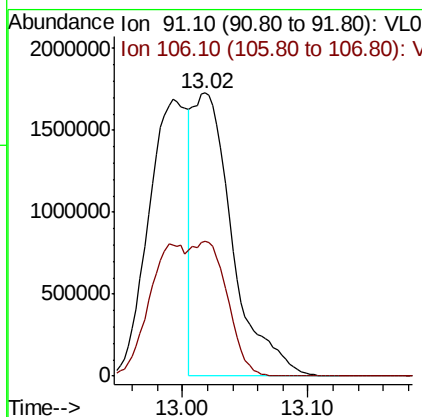
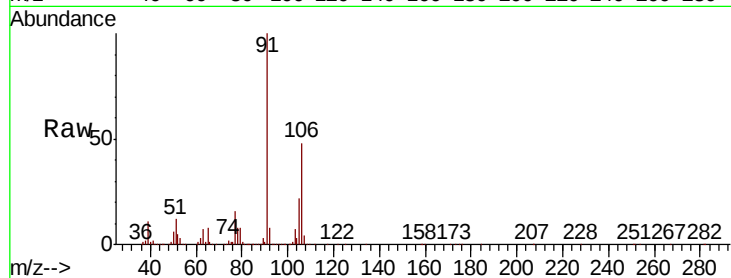




#59
m/p-Xylene
Concen: 7.134 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

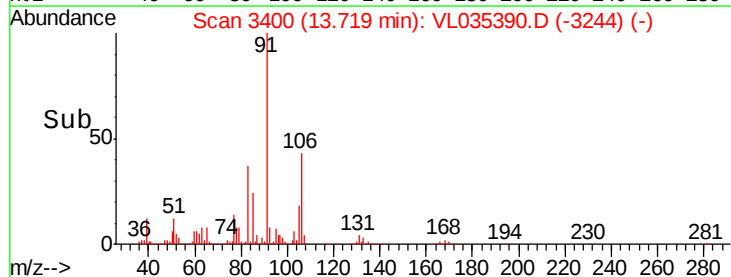
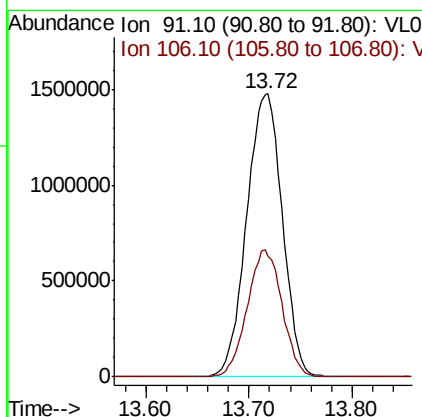
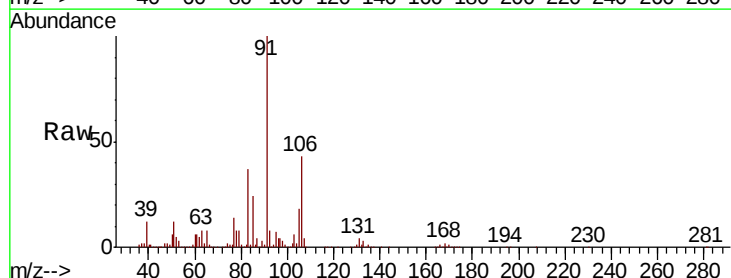
Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

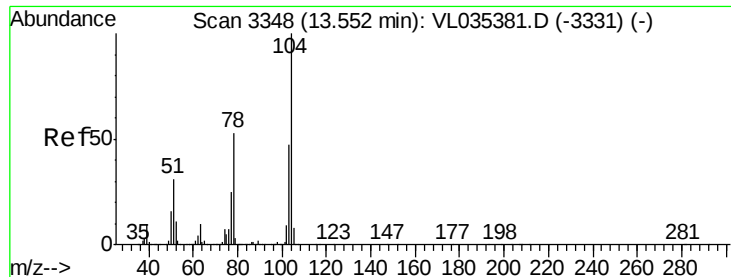
Tot Ion: 91 Resp: 3792414
Ion Ratio Lower Upper
91 100
106 87.1 36.7 55.1#



#60
o-Xylene
Concen: 6.886 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion: 91 Resp: 3544484
Ion Ratio Lower Upper
91 100
106 43.8 22.2 66.6





#61

Stvrene

Concen: 7.121 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

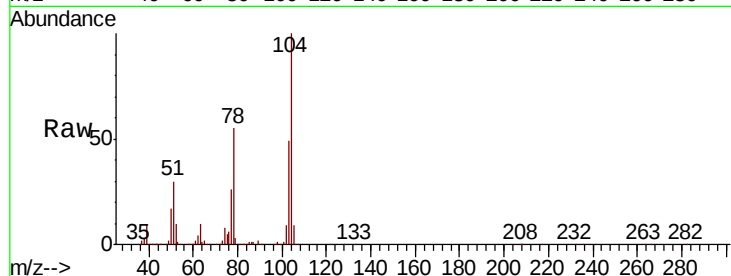
Tot Ion:104 Resp: 2706056

Ion Ratio Lower Upper

104 100

78 54.7 43.0 64.4

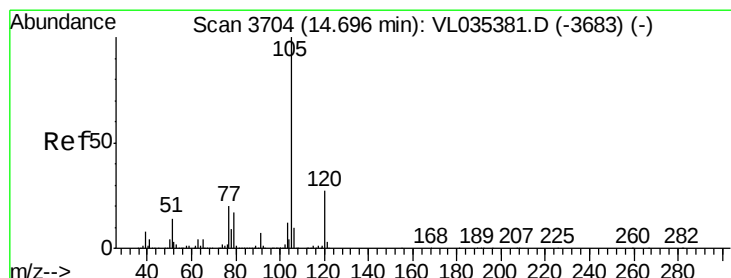
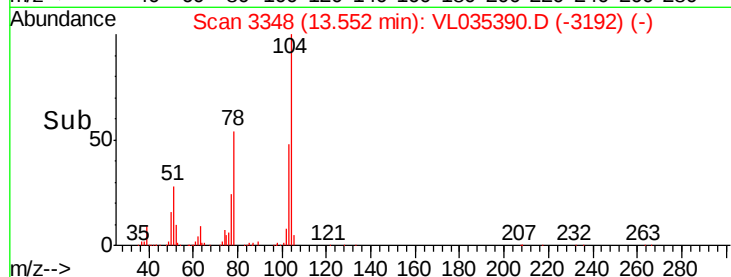
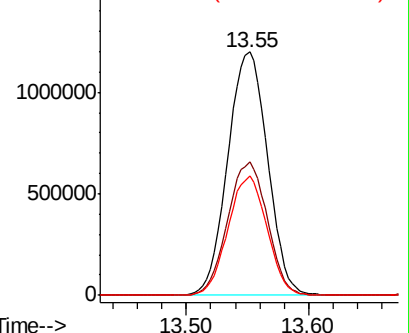
103 47.9 37.9 56.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 6.830 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL035390.D

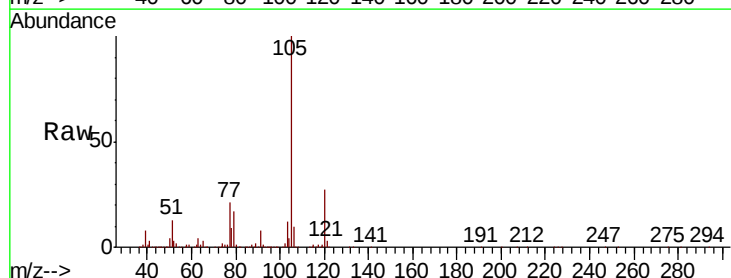
Acq: 12 Aug 2020 20:17

Tgt Ion:105 Resp: 5273532

Ion Ratio Lower Upper

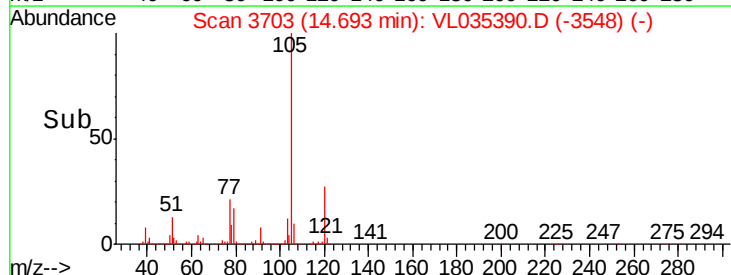
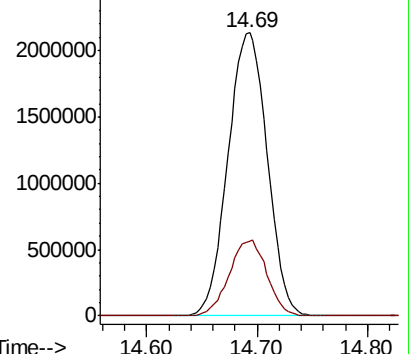
105 100

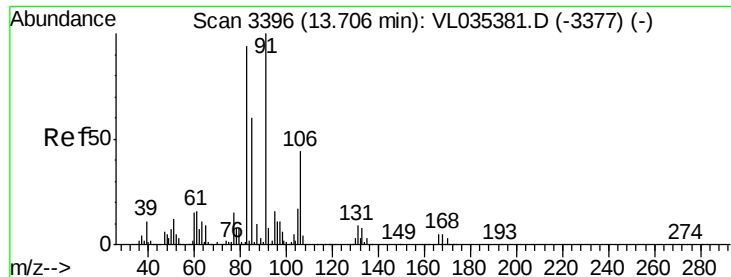
120 25.7 21.1 31.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 6.624 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

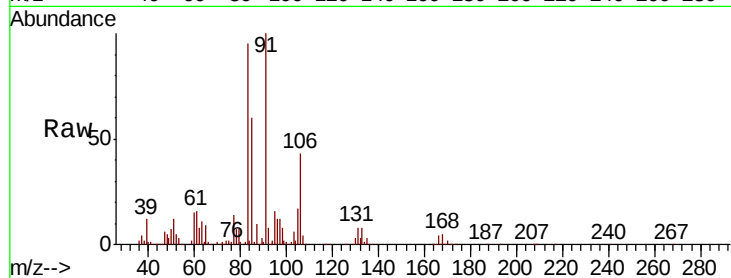
Tot Ion: 83 Resp: 2486976

Ion Ratio Lower Upper

83 100

131 9.2 4.5 13.7

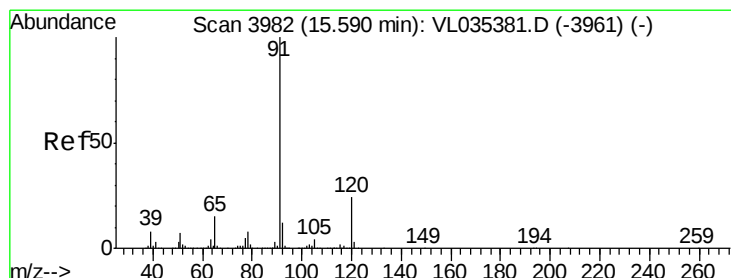
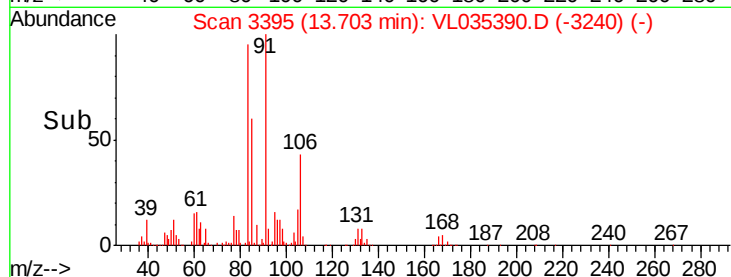
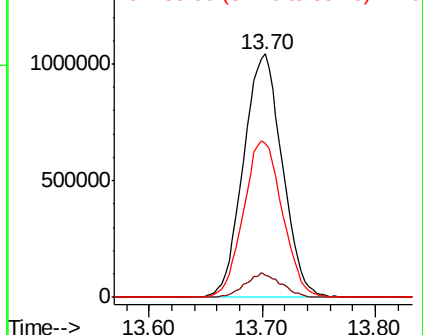
85 64.5 32.4 97.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 6.957 ppbv

RT: 15.59 min Scan# 3982

Delta R.T. 0.00 min

Lab File: VL035390.D

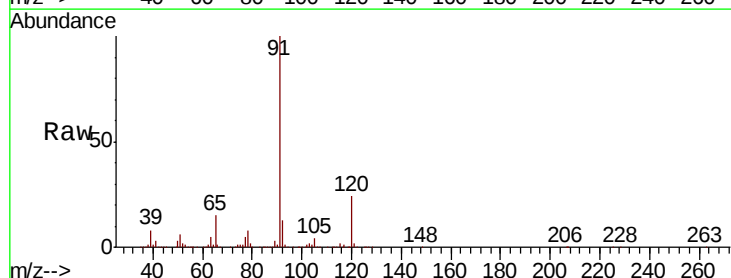
Acq: 12 Aug 2020 20:17

Tgt Ion:120 Resp: 1417045

Ion Ratio Lower Upper

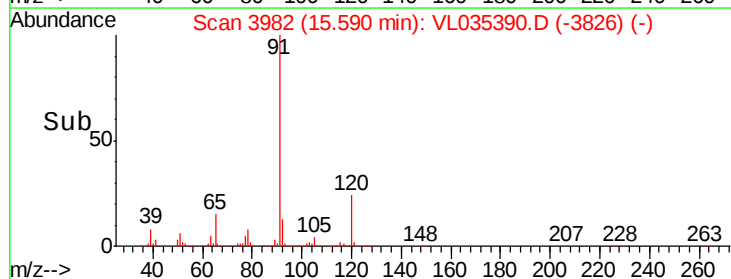
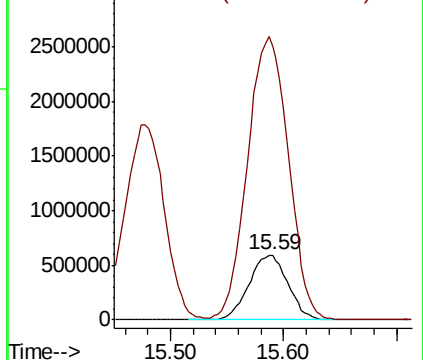
120 100

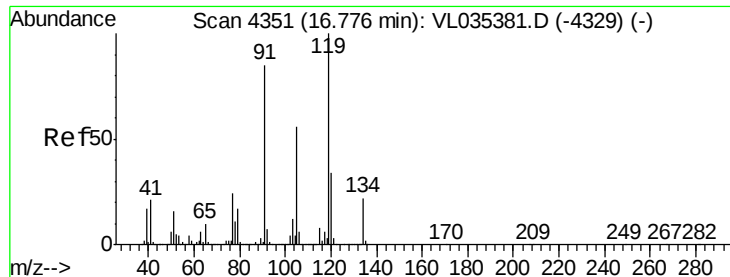
91 460.3 356.2 534.4



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

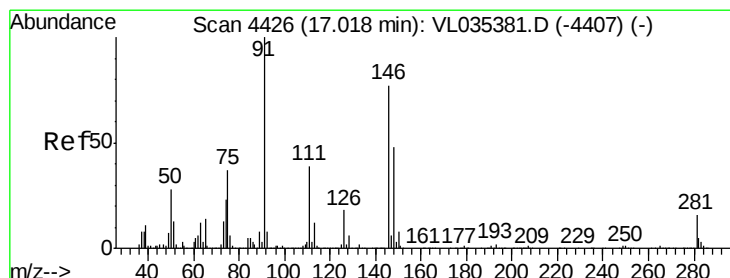
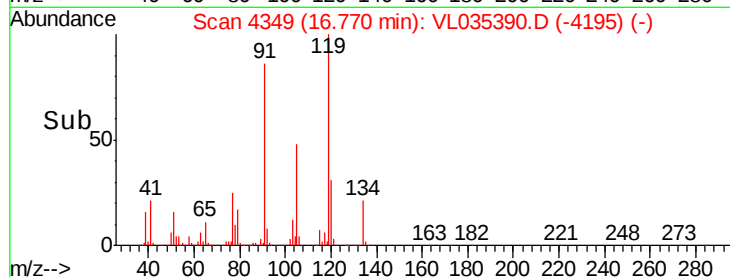
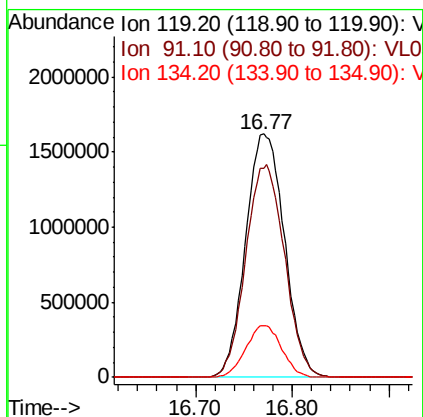
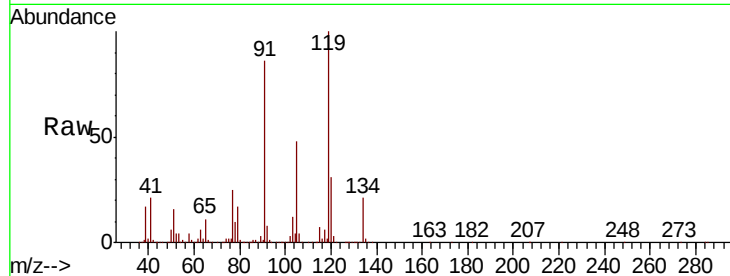




#65
tert-Butylbenzene
Concen: 6.643 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

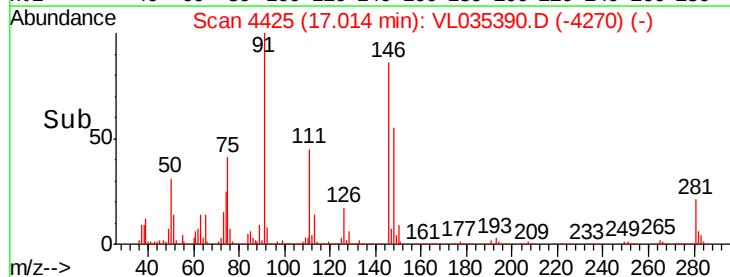
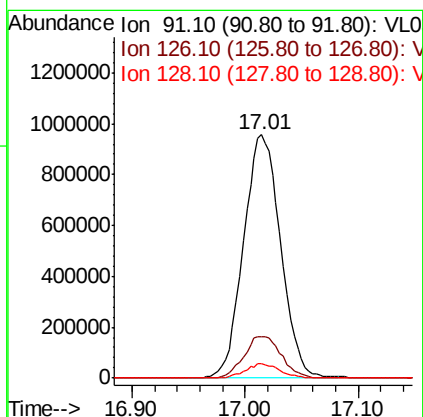
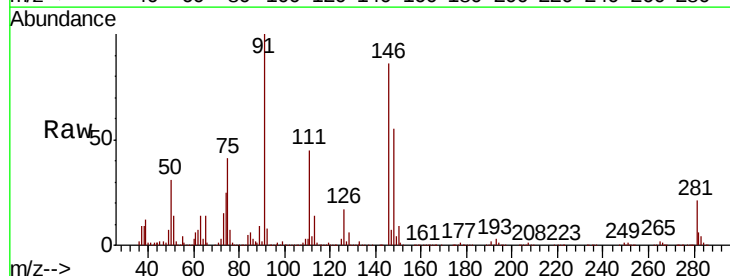
Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

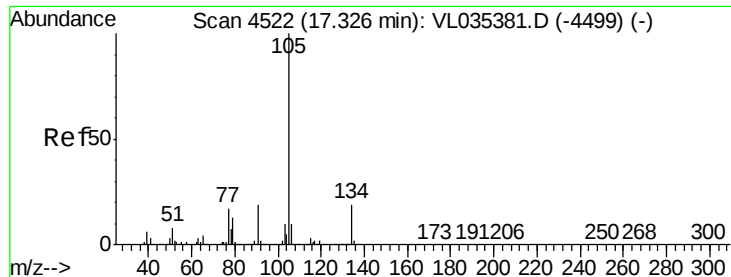
Tot Ion:119 Resp: 4515490
Ion Ratio Lower Upper
119 100
91 87.5 68.2 102.4
134 19.8 16.2 24.4



#66
Benzyl Chloride
Concen: 7.100 ppbv
RT: 17.01 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion: 91 Resp: 2179418
Ion Ratio Lower Upper
91 100
126 17.4 14.4 21.6
128 5.4 4.6 7.0

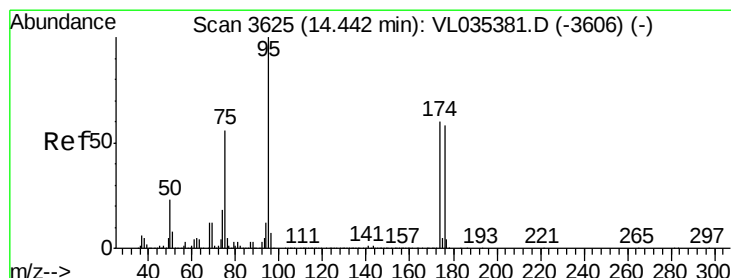
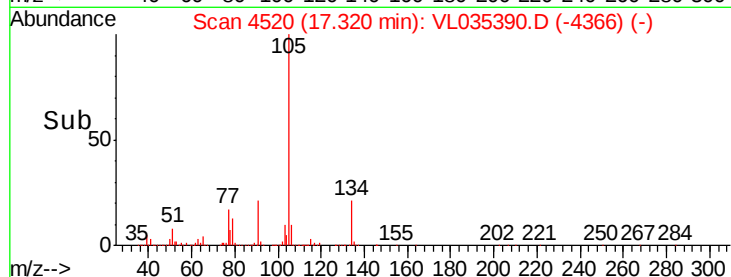
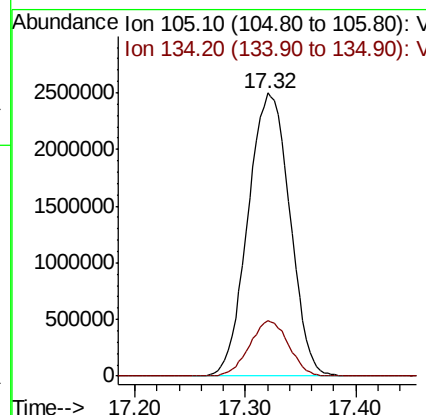
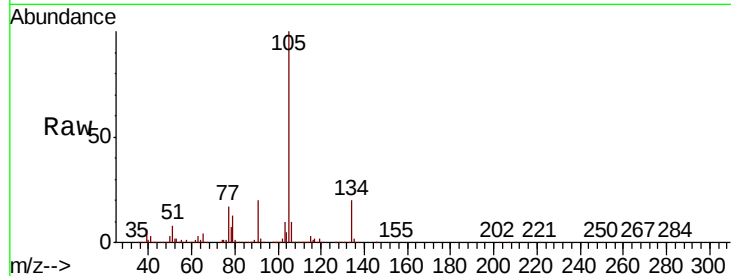




#67
 sec-Butylbenzene
 Concen: 6.704 ppbv
 RT: 17.32 min Scan# 4520
 Delta R.T. -0.01 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

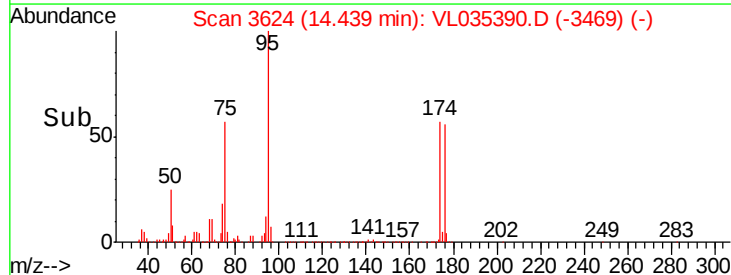
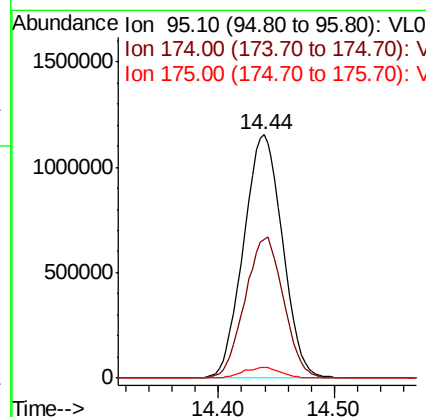
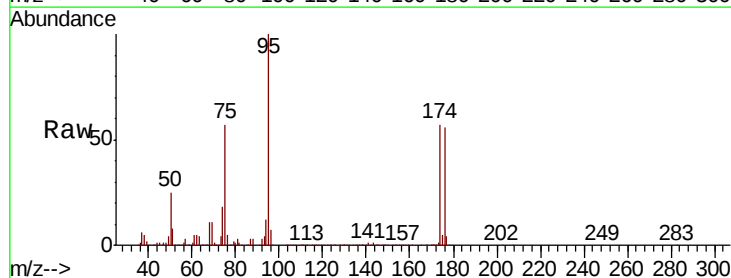
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081220

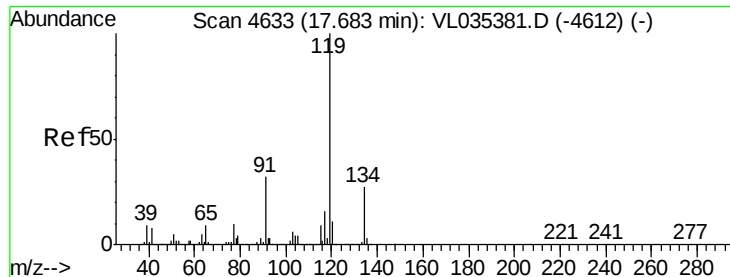
Tot Ion: 105 Resp: 6568984
 Ion Ratio Lower Upper
 105 100
 134 18.4 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.274 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. -0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Tgt Ion: 95 Resp: 2694236
 Ion Ratio Lower Upper
 95 100
 174 57.5 48.2 72.2
 175 4.3 3.7 5.5

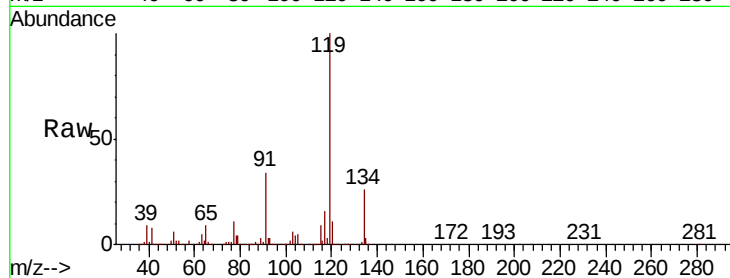




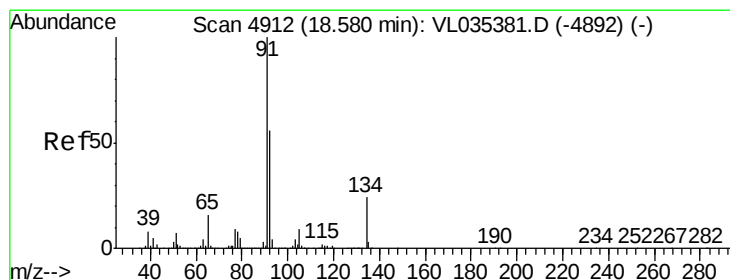
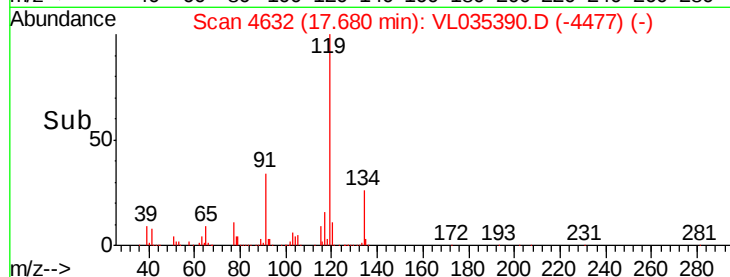
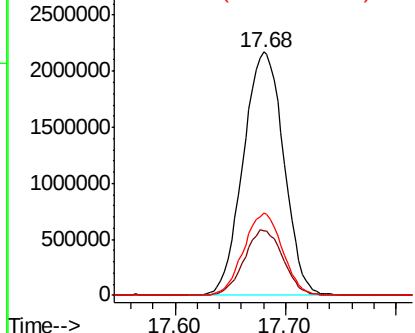
#69
p-Isopropyltoluene
Concen: 6.760 ppbv
RT: 17.68 min Scan# 4632
Delta R.T. -0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

Tot Ion:119 Resp: 5520962
Ion Ratio Lower Upper
119 100
134 25.8 20.9 31.3
91 32.5 25.3 37.9

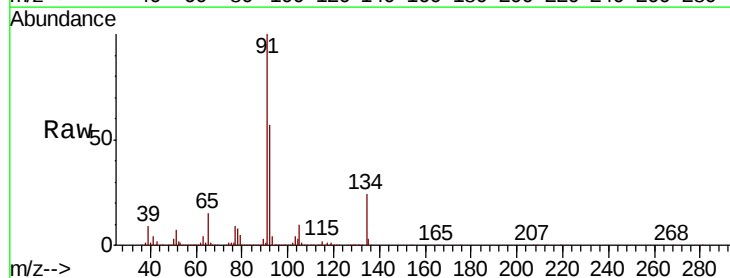


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

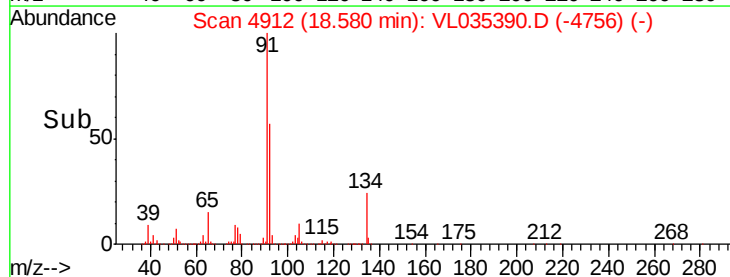
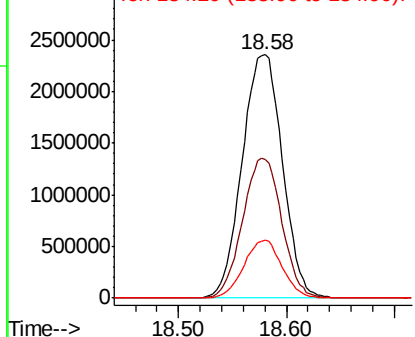


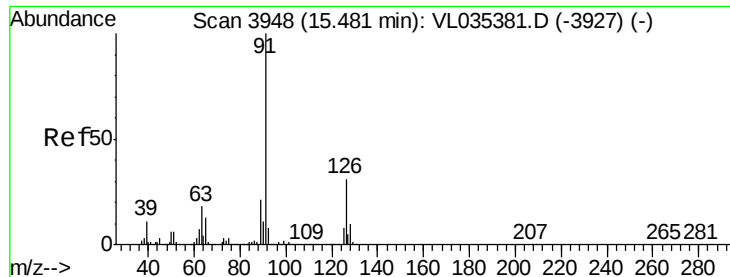
#70
n-Butylbenzene
Concen: 6.757 ppbv
RT: 18.58 min Scan# 4912
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion: 91 Resp: 6110372
Ion Ratio Lower Upper
91 100
92 56.0 45.0 67.6
134 22.6 18.8 28.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V

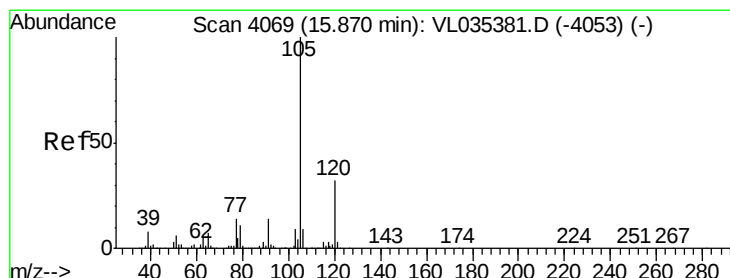
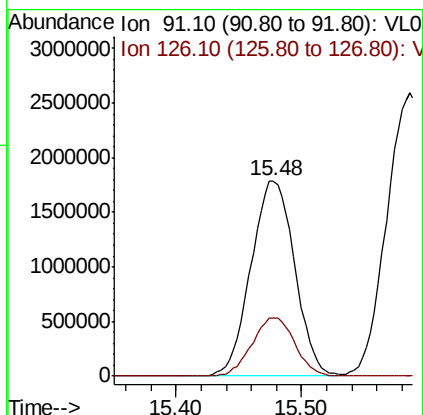
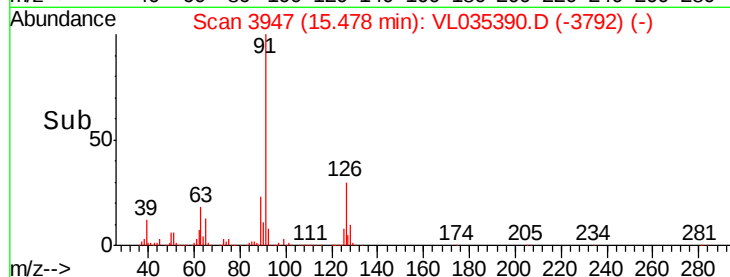
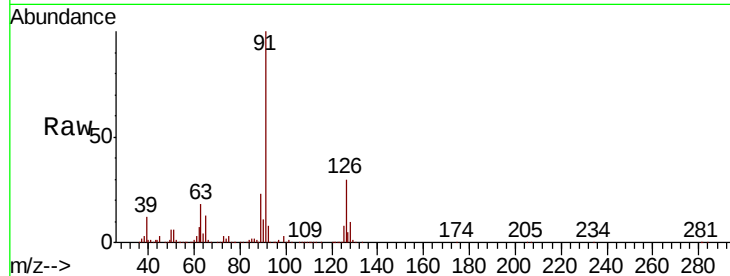




#71
 2-Chlorotoluene
 Concen: 6.963 ppbv
 RT: 15.48 min Scan# 3947
 Delta R.T. -0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

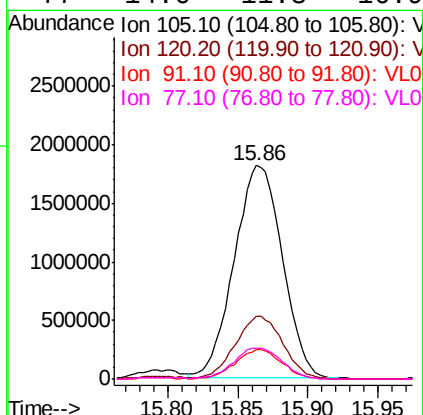
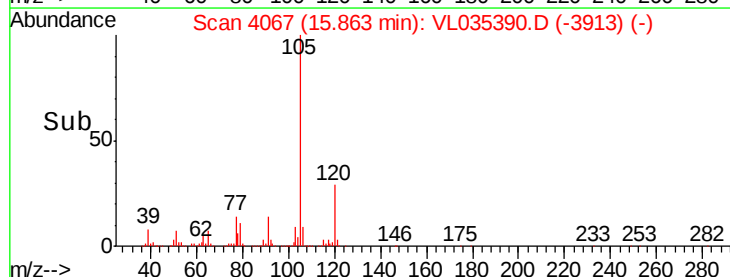
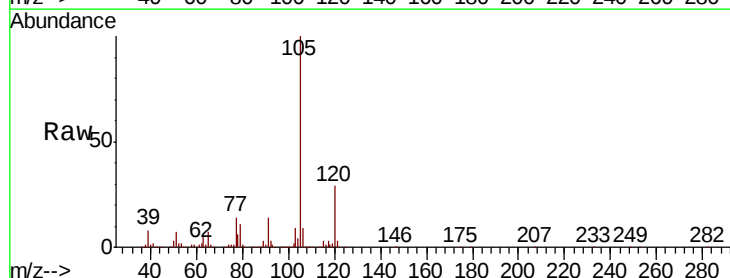
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081220

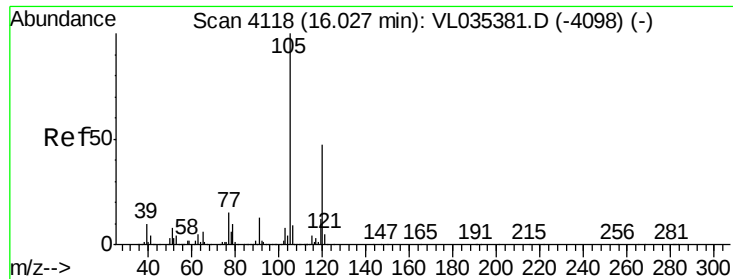
Tot Ion: 91 Resp: 4327824
 Ion Ratio Lower Upper
 91 100
 126 29.4 12.1 48.3



#72
 4-Ethyltoluene
 Concen: 6.938 ppbv
 RT: 15.86 min Scan# 4067
 Delta R.T. -0.01 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Tgt Ion: 105 Resp: 4358868
 Ion Ratio Lower Upper
 105 100
 120 29.0 24.0 36.0
 91 13.4 10.4 15.6
 77 14.6 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 6.998 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

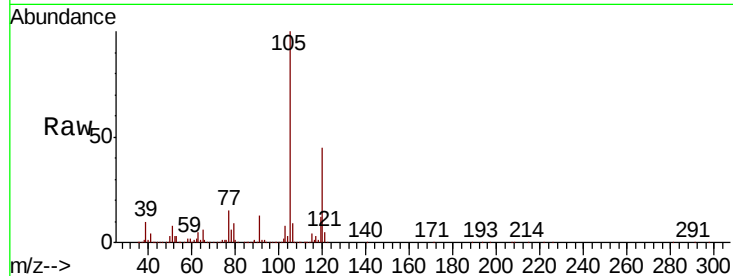
ICVVL081220

Tot Ion:105 Resp: 4122577

Ion Ratio Lower Upper

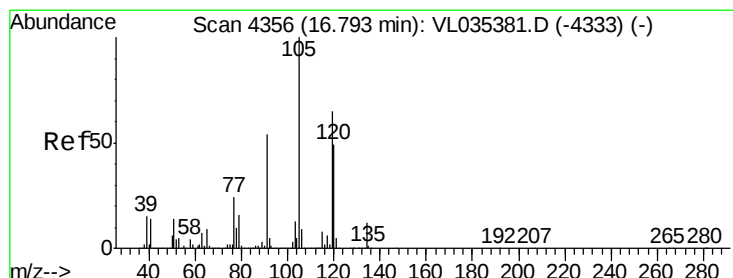
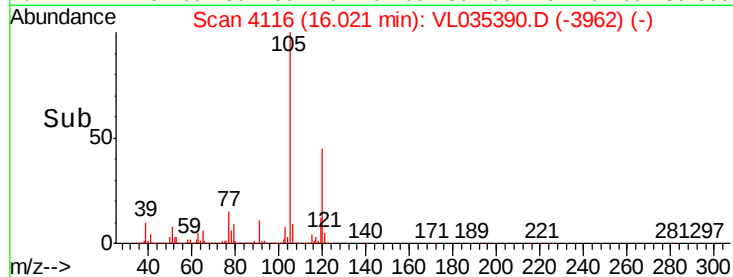
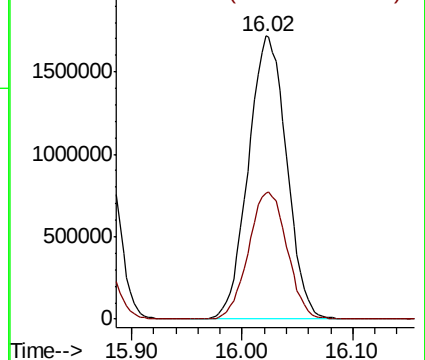
105 100

120 44.6 37.4 56.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 6.648 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Tgt Ion:105 Resp: 4118754

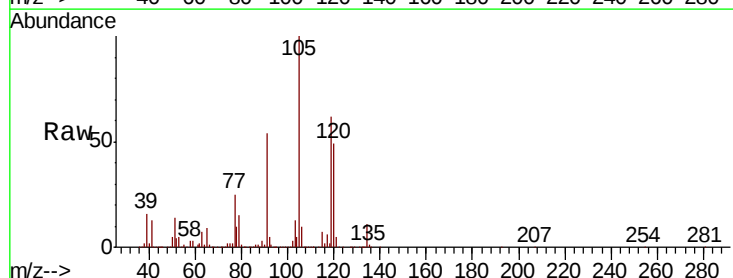
Ion Ratio Lower Upper

105 100

120 49.2 39.1 58.7

91 54.2 43.7 65.5

77 24.9 19.0 28.6

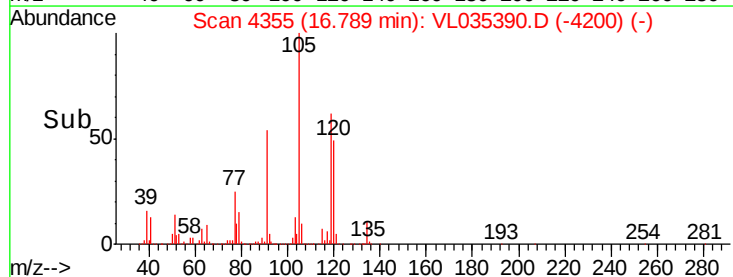
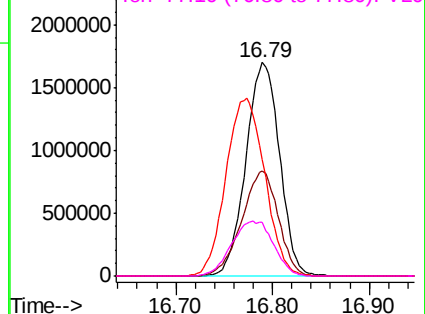


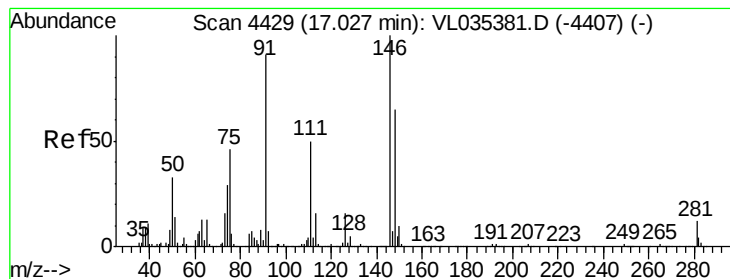
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 6.706 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.01 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

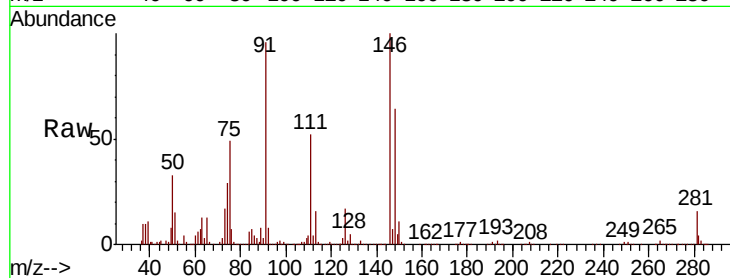
Tot Ion:146 Resp: 2267549

Ion Ratio Lower Upper

146 100

111 52.1 25.0 75.0

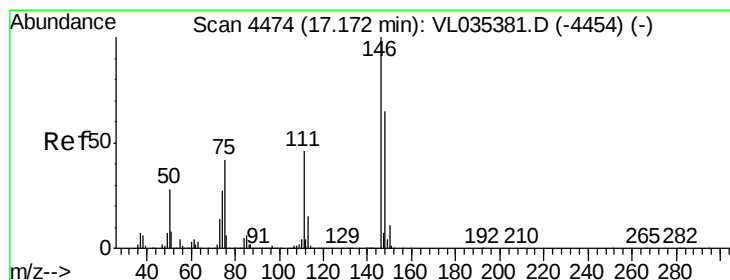
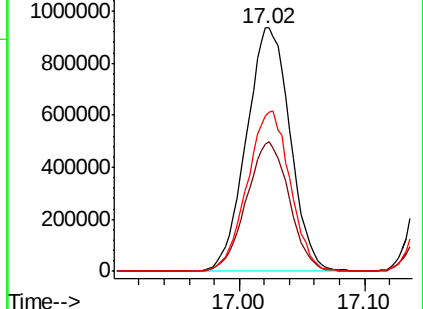
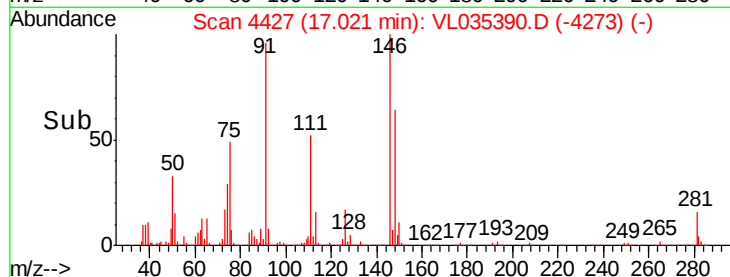
148 64.7 32.6 97.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 6.823 ppbv

RT: 17.17 min Scan# 4472

Delta R.T. -0.01 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

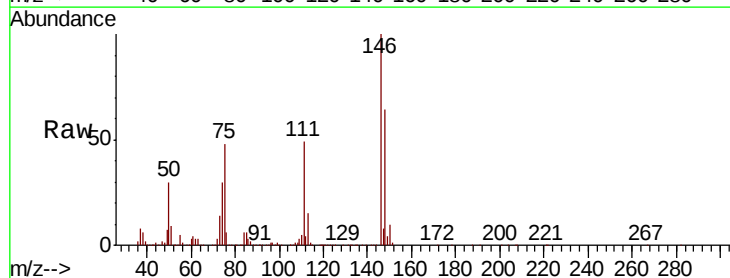
Tgt Ion:146 Resp: 2369756

Ion Ratio Lower Upper

146 100

111 50.0 24.0 72.0

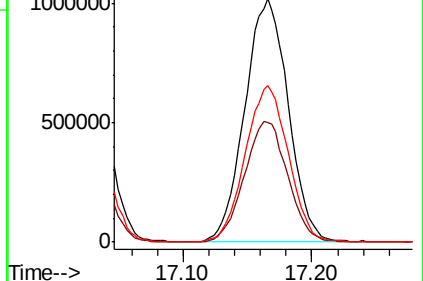
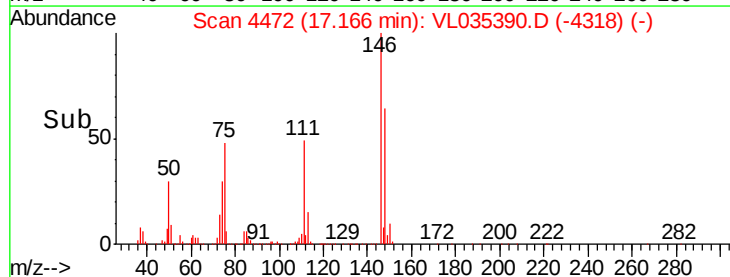
148 64.6 32.5 97.5

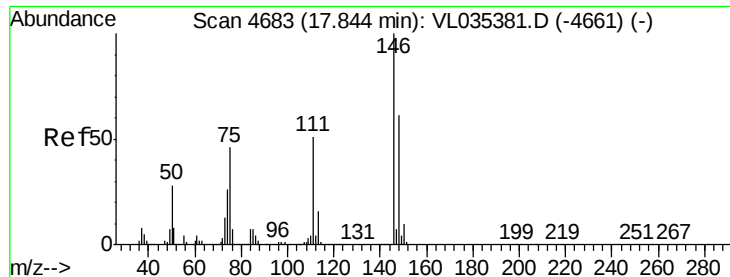


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 6.844 ppbv

RT: 17.84 min Scan# 4682

Delta R.T. -0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

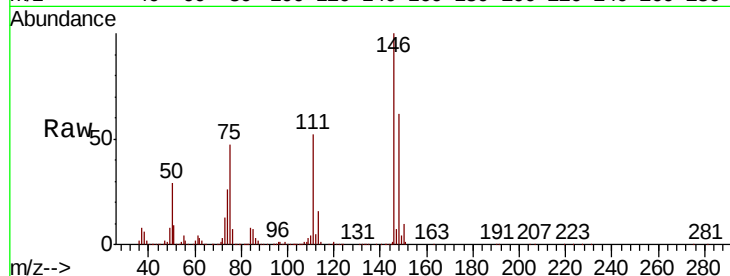
Tot Ion:146 Resp: 2333097

Ion Ratio Lower Upper

146 100

111 52.3 25.9 77.8

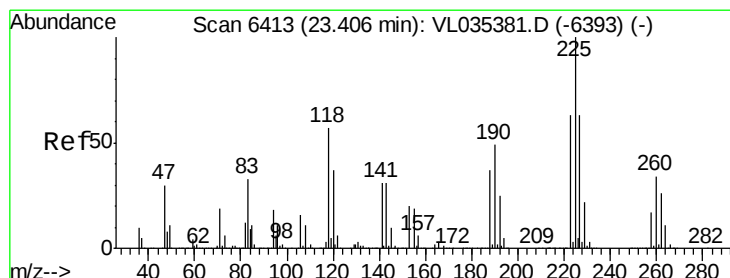
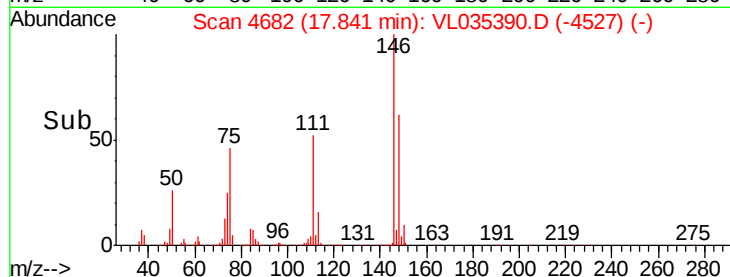
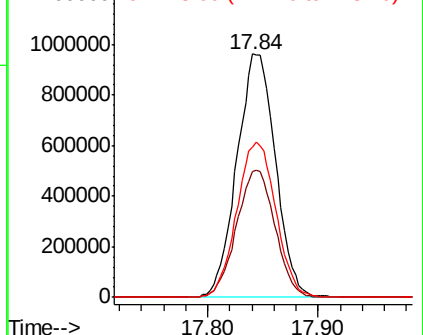
148 64.5 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.400 ppbv

RT: 23.40 min Scan# 6412

Delta R.T. -0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

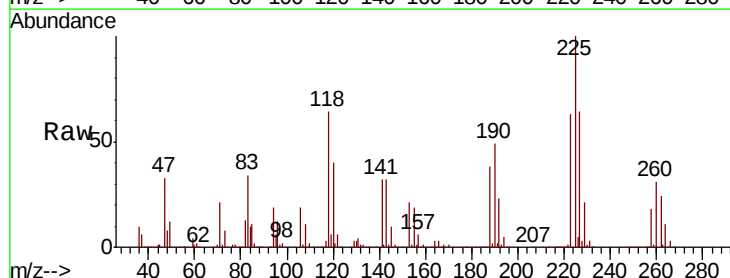
Tgt Ion:225 Resp: 1799004

Ion Ratio Lower Upper

225 100

223 63.6 51.0 76.6

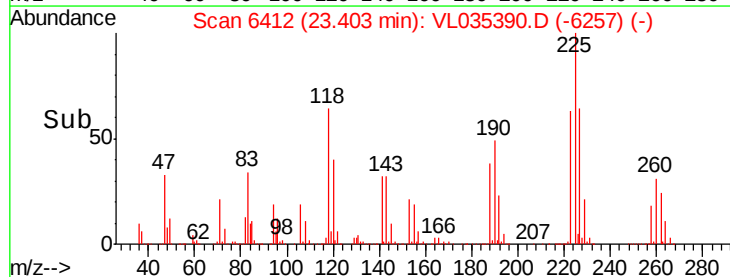
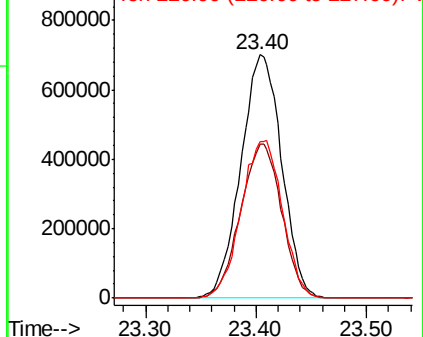
227 65.4 51.0 76.6

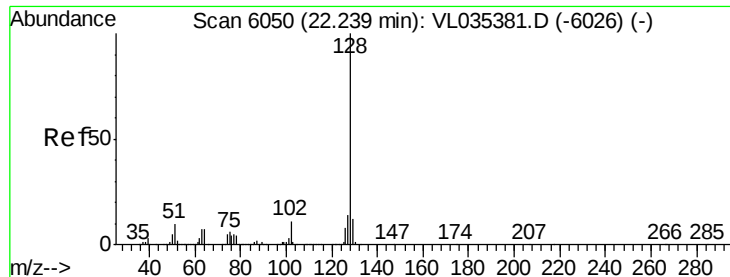


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 3.127 ppbv

RT: 22.23 min Scan# 6046

Delta R.T. -0.01 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

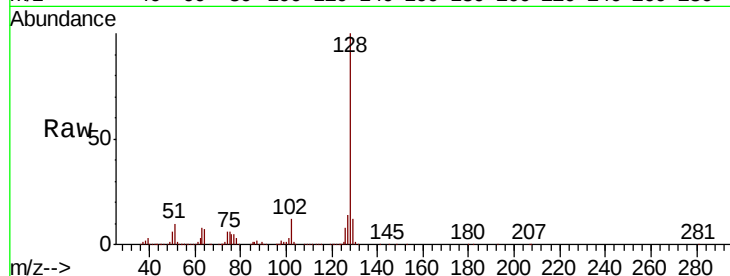
Tot Ion:128 Resp: 2413208

Ion Ratio Lower Upper

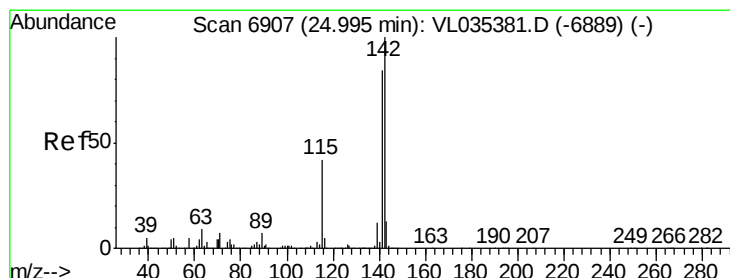
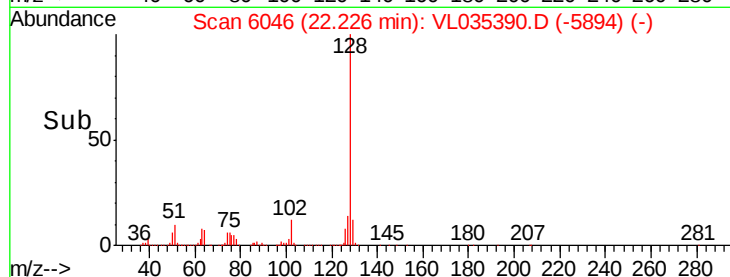
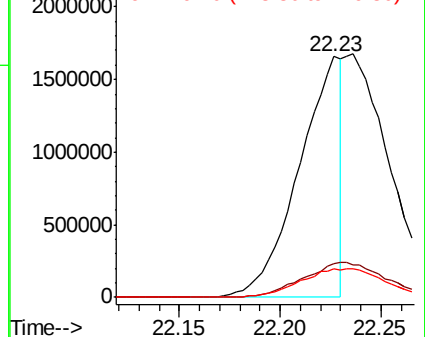
128 100

127 13.9 11.0 16.4

129 11.6 9.2 13.8



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 6.404 ppbv

RT: 24.99 min Scan# 6907

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

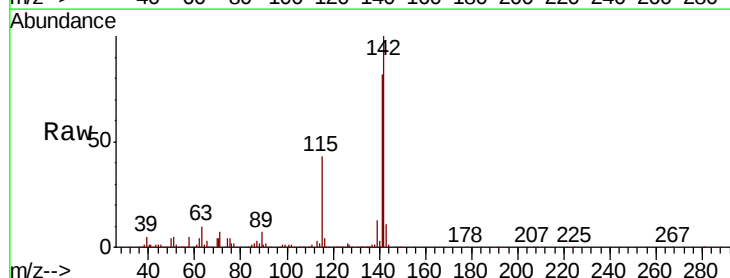
Tgt Ion:142 Resp: 2301206

Ion Ratio Lower Upper

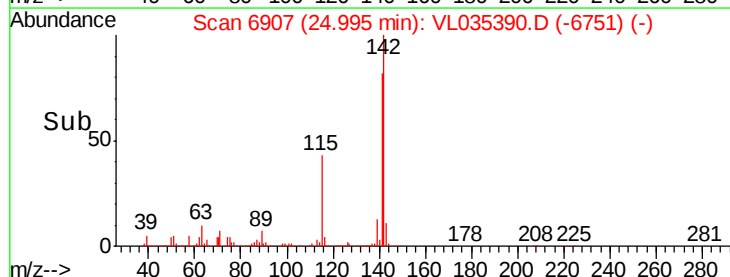
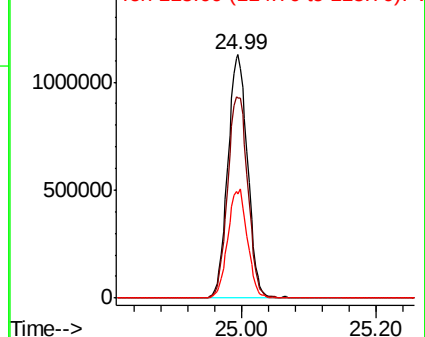
142 100

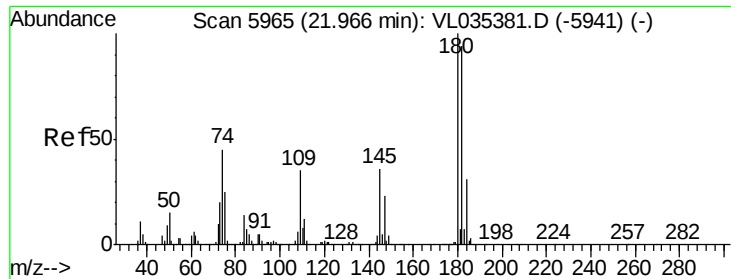
141 84.8 67.7 101.5

115 44.5 34.0 51.0



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 3.966 ppbv

RT: 21.96 min Scan# 5963

Delta R.T. -0.01 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion:180 Resp: 1448647

Ion Ratio Lower Upper

180 100

182 156.7 77.6 116.4#

184 50.5 24.7 37.1#

