

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082320\
 Data File : VL035498.D
 Acq On : 23 Aug 2020 12:43
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL082320

Quant Time: Aug 24 02:01:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sun Aug 23 12:40:32 2020
 QLast Update : Sun Aug 23 12:40:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	995720	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4610072	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5848134	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3371902	8.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1676899	9.098	ppbv 99
3) Chlorodifluoromethane	2.98	51	1069373	9.490	ppbv 99
4) Chloromethane	3.13	50	560233	9.613	ppbv 100
5) Vinyl Chloride	3.25	62	686530	9.969	ppbv 98
6) Bromomethane	3.47	94	607951	9.603	ppbv 100
7) Chloroethane	3.55	64	253970	9.664	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2014585	9.283	ppbv 99
9) Propene	3.00	41	416493	9.492	ppbv 100
10) Heptane	8.13	43	1136155	9.742	ppbv 100
11) Trichlorofluoromethane	3.95	101	2433018	9.206	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1847883	9.386	ppbv 99
13) Ethanol	3.60	45	106557	8.496	ppbv 100
14) Bromoethene	3.74	108	856331	9.954	ppbv 100
15) Acetone	3.85	43	878551	8.347	ppbv 99
16) 1,3-Butadiene	3.32	39	409183	9.648	ppbv 100
17) tert-Butyl alcohol	4.29	59	1385013	10.155	ppbv 100
18) 1,1-Dichloroethene	4.29	96	851714	9.763	ppbv 98
19) Isopropyl Alcohol	3.97	45	694947	10.008	ppbv 100
20) Methylene Chloride	4.34	84	737917	6.453	ppbv 98
21) Allyl Chloride	4.41	41	551160	10.237	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	903033	9.785	ppbv 99
23) Vinyl Acetate	5.08	43	1447759	10.303	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1430164	9.663	ppbv 99
25) Ethyl Acetate	5.68	43	1855226	9.146	ppbv 100
26) Hexane	5.69	57	1073511	8.707	ppbv 98
27) Carbon Disulfide	4.55	76	1793735	10.914	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	2033739	10.162	ppbv 99
29) Chloroform	5.76	83	2227669	9.505	ppbv 99
30) Cyclohexane	7.13	84	1269114	10.232	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1178936	10.092	ppbv 97
32) 1,1,1-Trichloroethane	6.52	97	2276100	10.631	ppbv 99
34) 2-Butanone	5.25	43	1288042	9.512	ppbv 99
35) Carbon Tetrachloride	7.02	117	2397428	10.672	ppbv 97
36) Benzene	6.90	78	2897918	9.572	ppbv 100
37) 1,2-Dichloroethane	6.31	62	1355456	9.461	ppbv 100
38) Trichloroethene	7.84	130	1570593	9.375	ppbv 98
39) 1,2-Dichloropropane	7.62	63	959085	9.491	ppbv 96
40) 1,4-Dioxane	7.84	88	523081	10.456	ppbv 96
41) Tetrahydrofuran	6.05	42	743401	10.108	ppbv 98
42) Bromodichloromethane	7.80	83	2382276	10.167	ppbv 97
43) Methyl Methacrylate	8.02	69	1183881	10.128	ppbv 99

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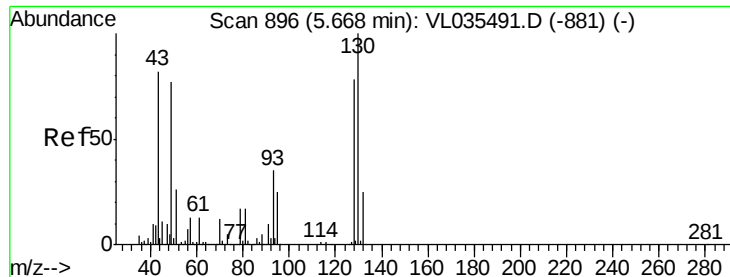
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082320

Quant Time: Aug 24 02:01:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sun Aug 23 12:40:32 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3648696	9.228	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1354999	11.281	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1605646	10.794	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1433859	9.451	ppbv	99
48) Dibromochloromethane	10.32	129	2575167	10.663	ppbv	100
49) Bromoform	13.06	173	2496637	11.130	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	1922952	9.872	ppbv	99
51) 2-Hexanone	10.15	43	1663876	10.457	ppbv #	98
52) Tetrachloroethene	11.24	164	1643864	9.323	ppbv	99
53) Toluene	9.82	91	3730040	9.735	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2311546	9.590	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1987655	8.020	ppbv	99
57) Chlorobenzene	12.17	112	3217620	7.306	ppbv	99
58) Ethyl Benzene	12.73	91	4865410	7.749	ppbv	99
59) m/p-Xylene	13.02	91	4437063	8.303	ppbv #	41
60) o-Xylene	13.71	91	3977971	7.583	ppbv	100
61) Styrene	13.55	104	3321993	8.215	ppbv	100
62) Isopropylbenzene	14.69	105	6246660	7.351	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2783831	7.292	ppbv	99
64) n-propylbenzene	15.59	120	2002887	7.755	ppbv	100
65) tert-Butylbenzene	16.77	119	5969438	7.391	ppbv	100
66) Benzyl Chloride	17.01	91	1917369	9.694	ppbv	99
67) sec-Butylbenzene	17.32	105	7719276	7.193	ppbv	100
69) p-Isopropyltoluene	17.68	119	6856484	7.331	ppbv	100
70) n-Butylbenzene	18.58	91	6542266	7.296	ppbv	100
71) 2-Chlorotoluene	15.47	91	4701188	7.658	ppbv	100
72) 4-Ethyltoluene	15.86	105	5163828	7.711	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	4814360	7.761	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	4973219	7.319	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	3716161	7.295	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3740707	7.335	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	3663676	7.291	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	2428978	6.965	ppbv	100
79) Naphthalene	22.23	128	6277696	7.345	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2504488	7.320	ppbv	100
81) 1,2,4-Trichlorobenzene	21.96	180	3649944	7.263	ppbv	100

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

[illegible]



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

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ClientSampleId :

ICVVL082320

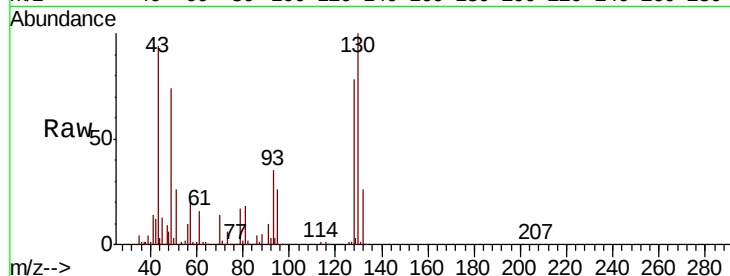
Tot Ion: 49 Resp: 995720

Ion Ratio Lower Upper

49 100

128 103.1 51.6 154.9

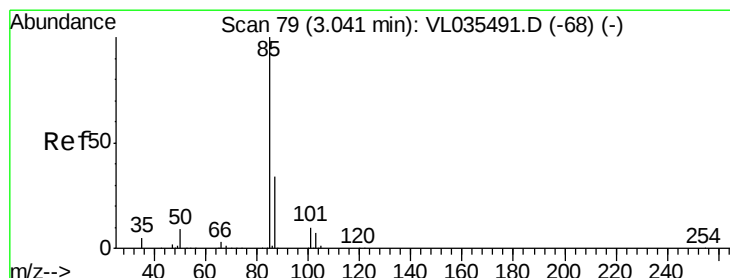
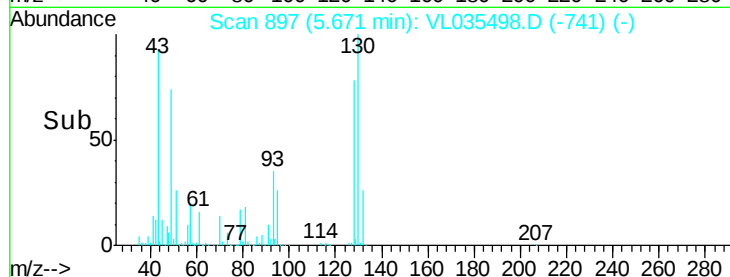
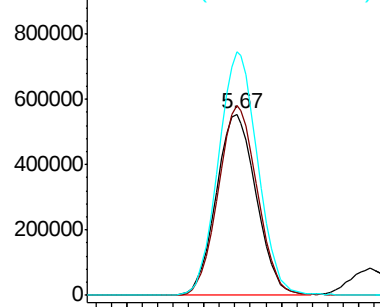
130 132.9 66.1 198.4



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: 9.098 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL035498.D

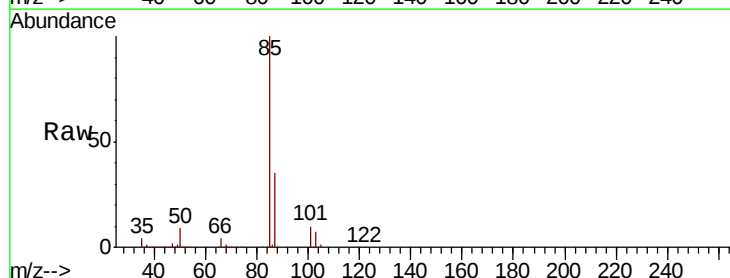
Acq: 23 Aug 2020 12:43

Tgt Ion: 85 Resp: 1676899

Ion Ratio Lower Upper

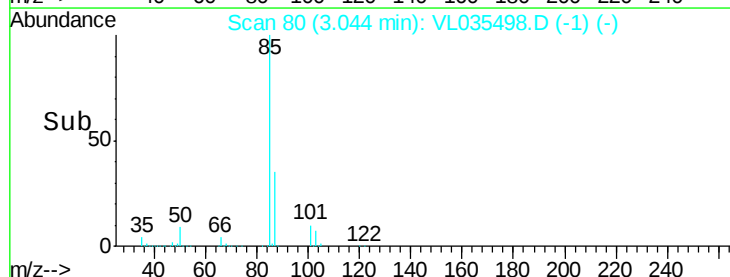
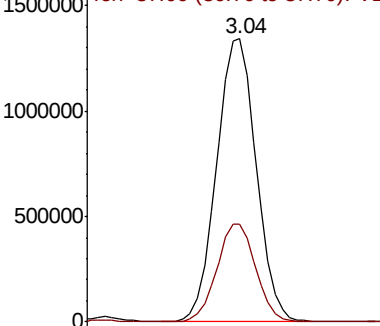
85 100

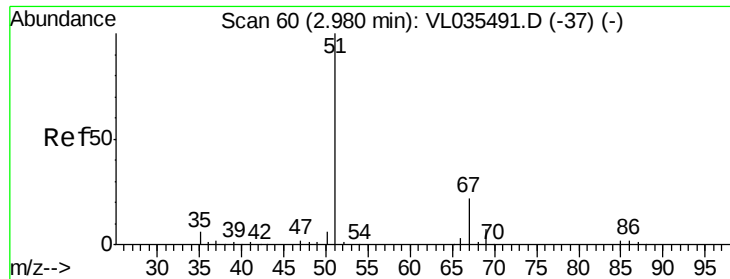
87 34.6 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.490 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

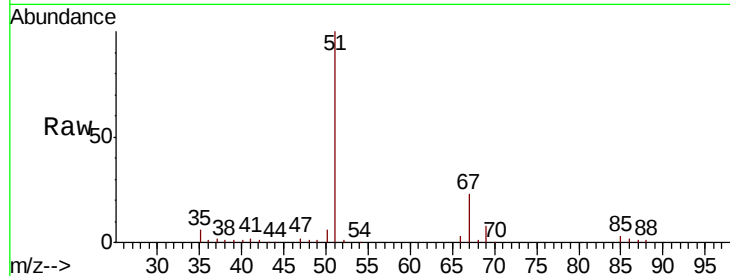
ICVVL082320

Tot Ion: 51 Resp: 1069373

Ion Ratio Lower Upper

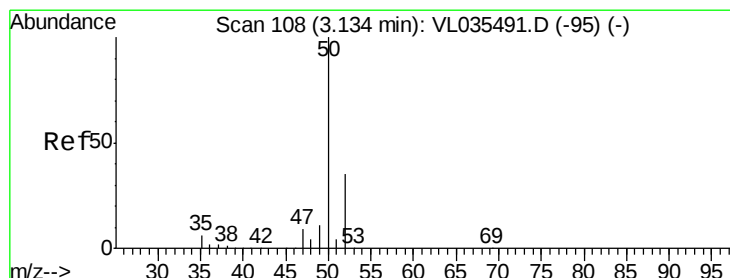
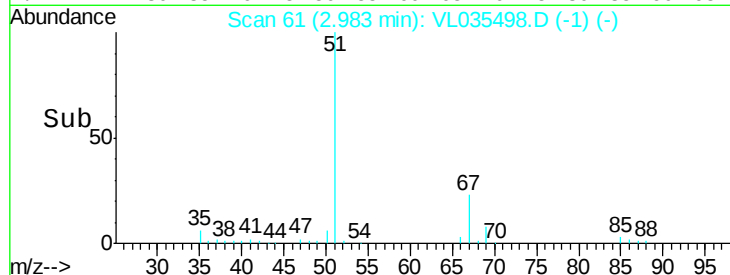
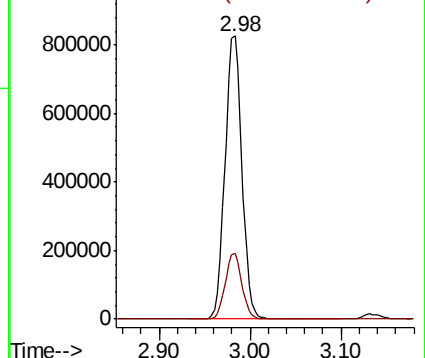
51 100

67 22.8 17.9 26.9



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.613 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL035498.D

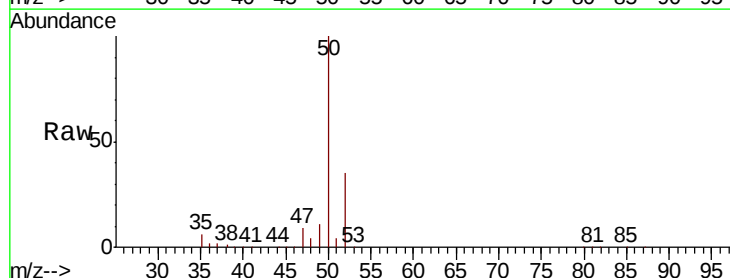
Acq: 23 Aug 2020 12:43

Tgt Ion: 50 Resp: 560233

Ion Ratio Lower Upper

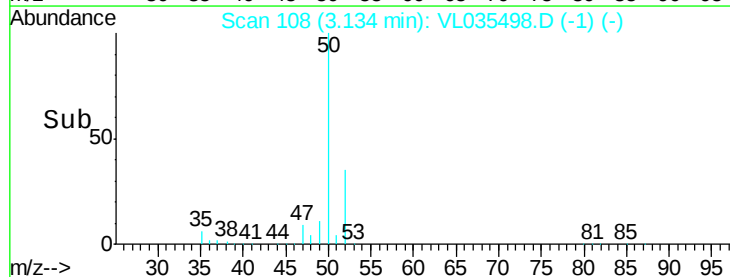
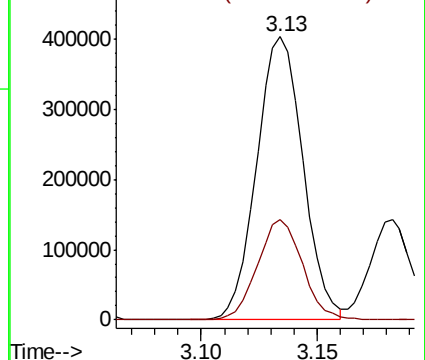
50 100

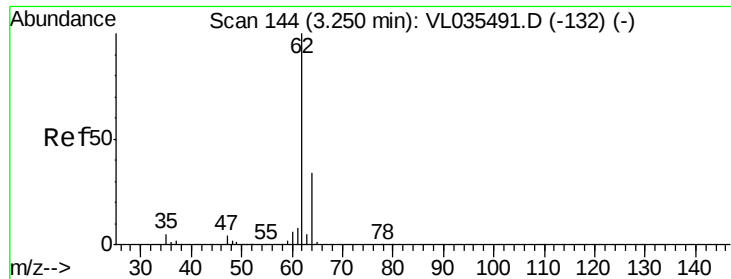
52 35.4 28.2 42.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.969 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

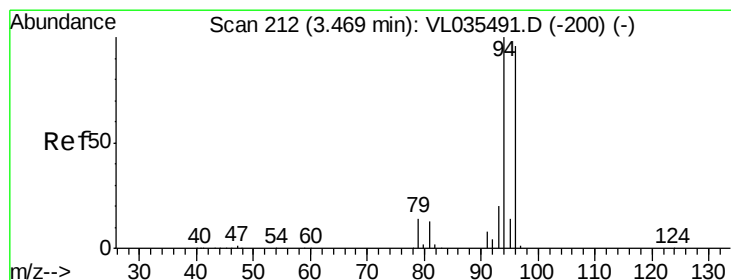
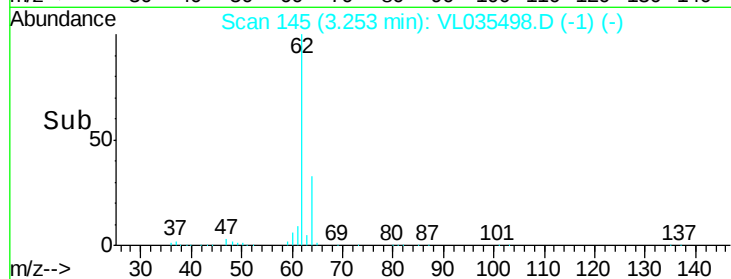
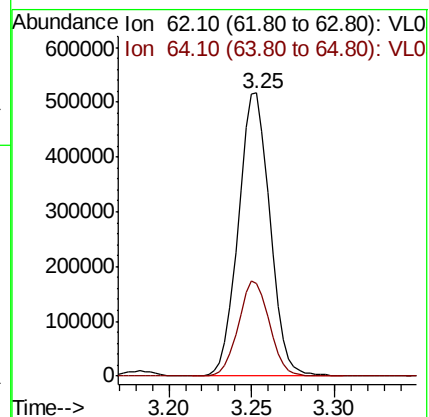
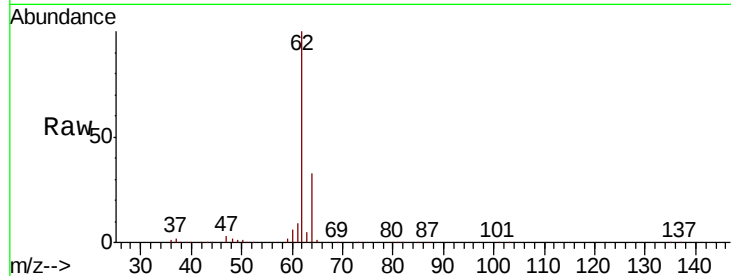
ICVVL082320

Tot Ion: 62 Resp: 686530

Ion Ratio Lower Upper

62 100

64 33.0 27.1 40.7



#6

Bromomethane

Concen: 9.603 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL035498.D

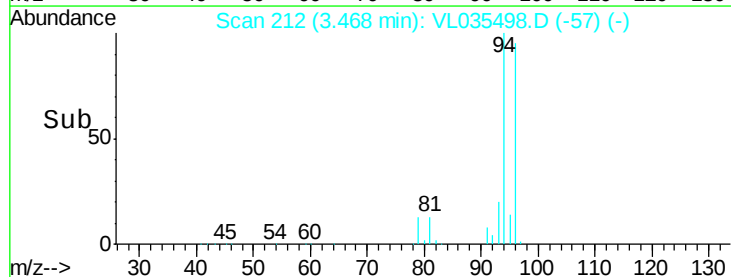
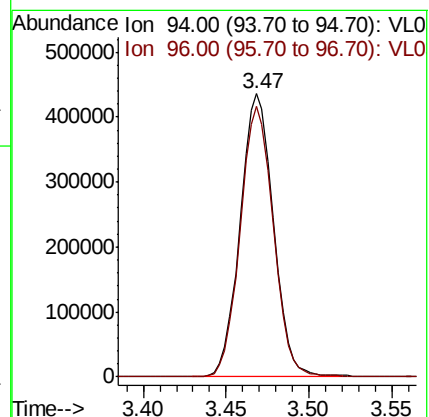
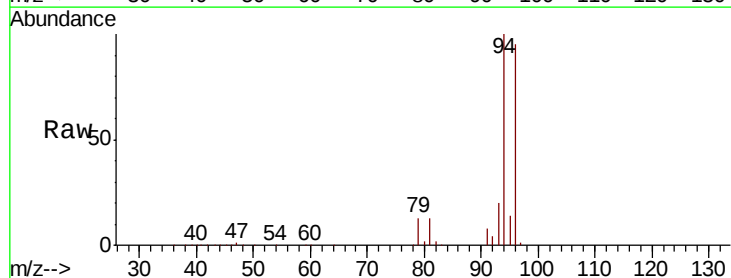
Acq: 23 Aug 2020 12:43

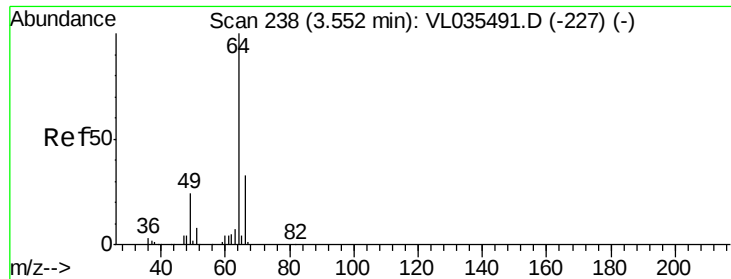
Tgt Ion: 94 Resp: 607951

Ion Ratio Lower Upper

94 100

96 95.4 76.6 115.0





#7

Chloroethane

Concen: 9.664 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

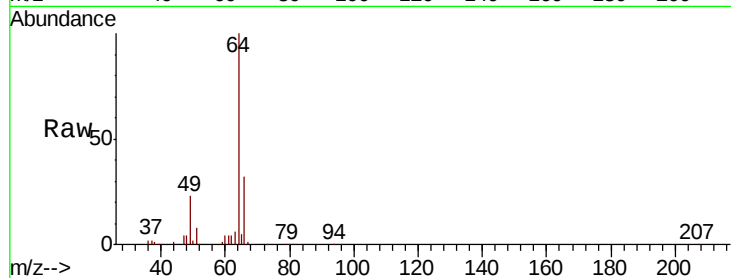
ICVVL082320

Tot Ion: 64 Resp: 253970

Ion Ratio Lower Upper

64 100

66 31.9 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

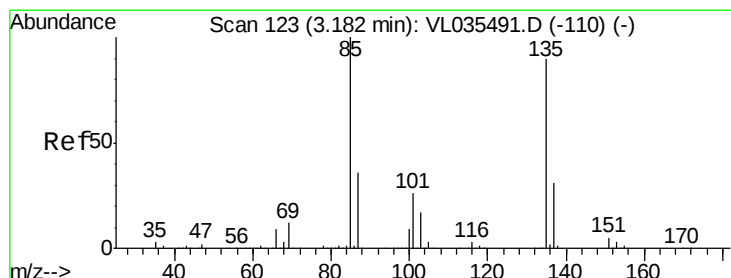
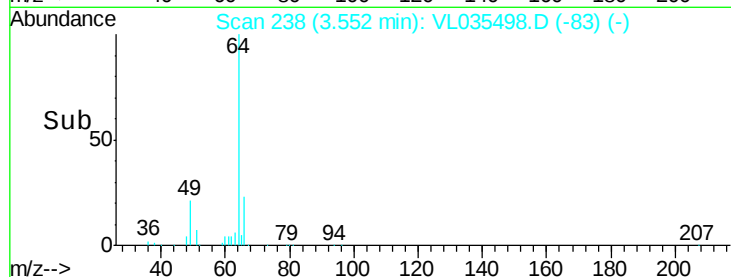
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.283 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL035498.D

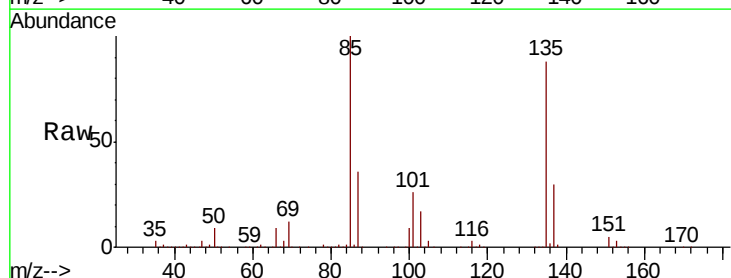
Acq: 23 Aug 2020 12:43

Tgt Ion: 85 Resp: 2014585

Ion Ratio Lower Upper

85 100

135 88.7 71.8 107.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

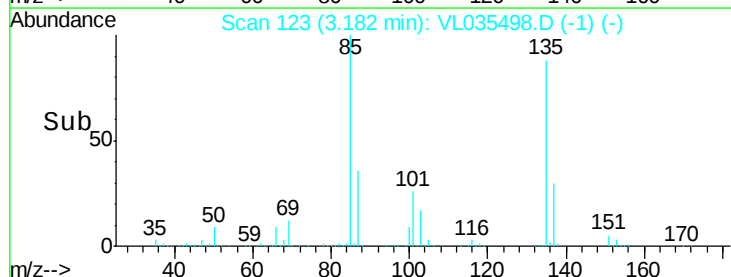
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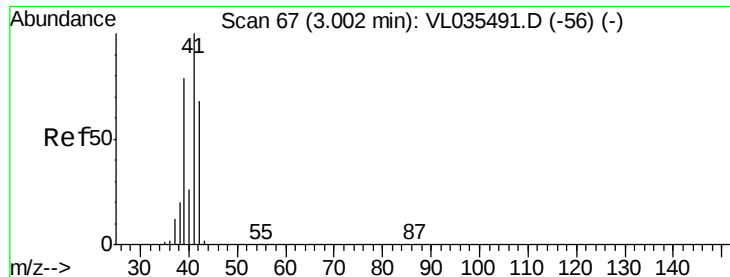
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500000

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Time-->





#9

Propene

Concen: 9.492 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

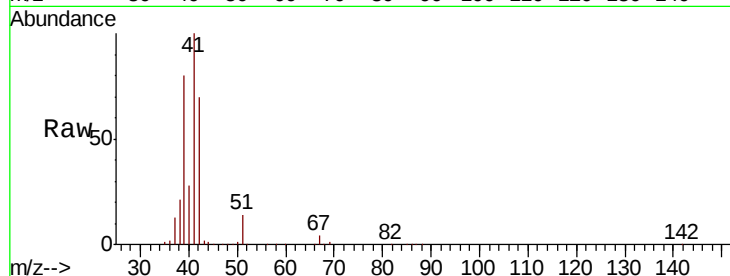
ICVVL082320

Tot Ion: 41 Resp: 416493

Ion Ratio Lower Upper

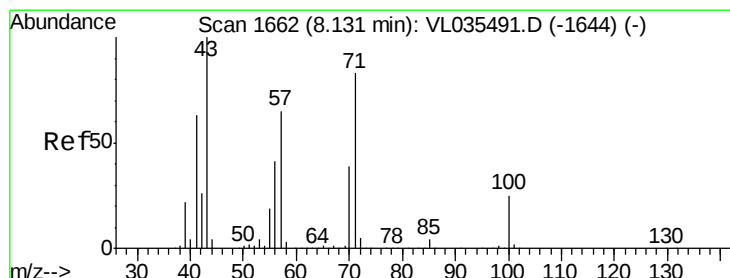
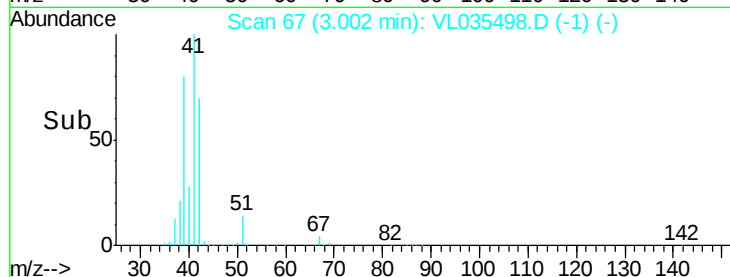
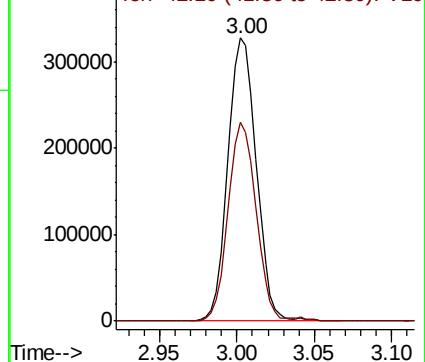
41 100

42 69.3 55.3 82.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.742 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VL035498.D

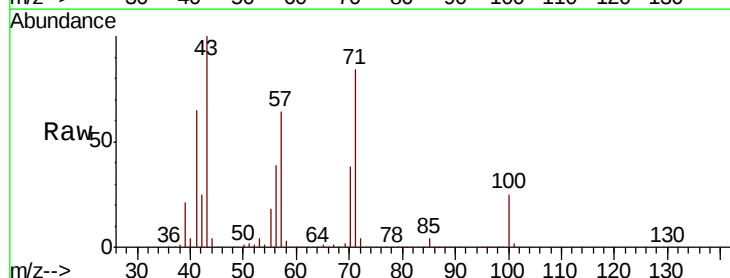
Acq: 23 Aug 2020 12:43

Tgt Ion: 43 Resp: 1136155

Ion Ratio Lower Upper

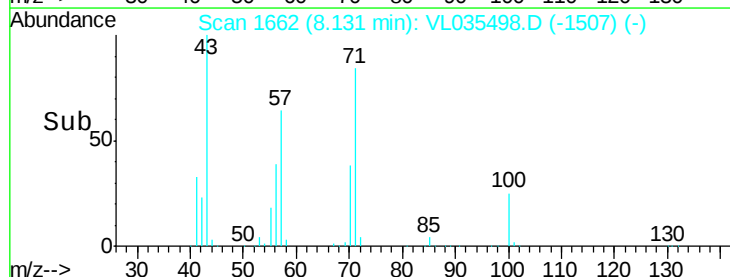
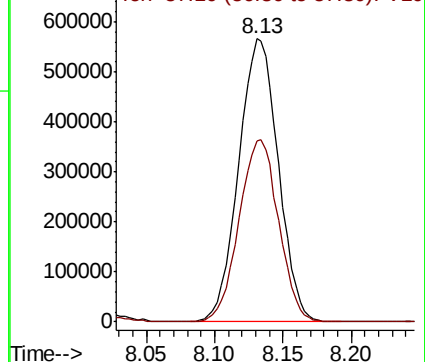
43 100

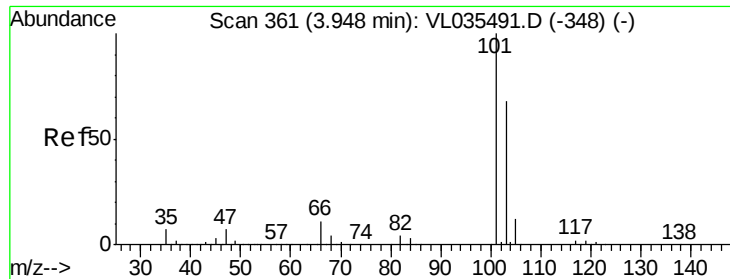
57 64.5 51.4 77.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

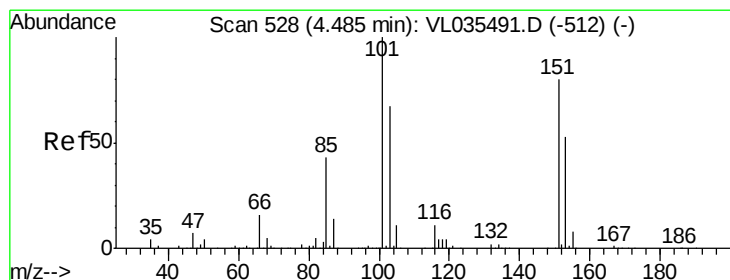
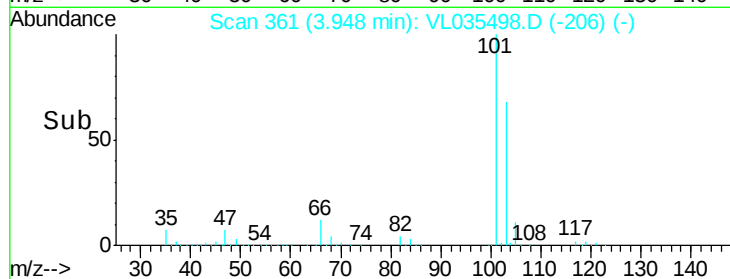
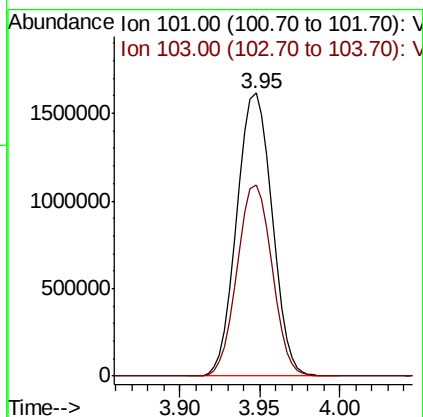
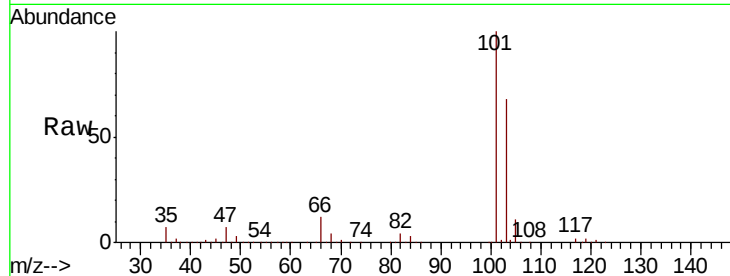




#11
 Trichlorofluoromethane
 Concen: 9.206 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.00 min
 Lab File: VL035498.D
 Acq: 23 Aug 2020 12:43

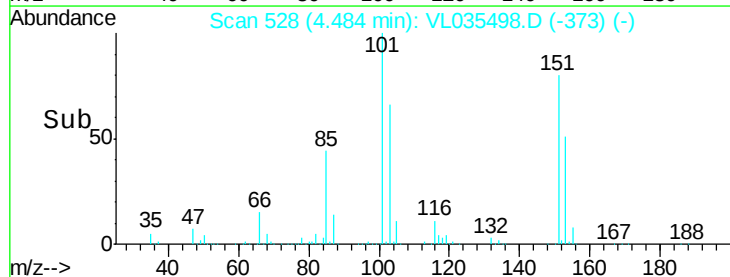
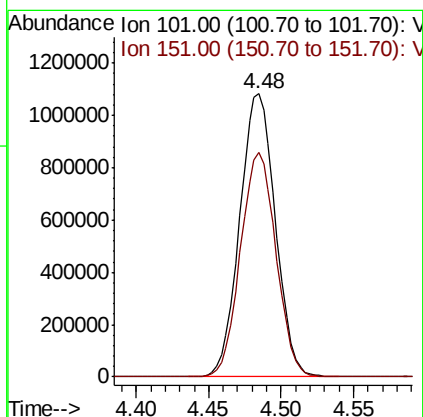
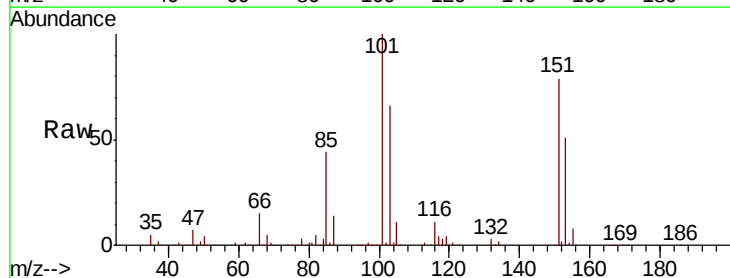
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082320

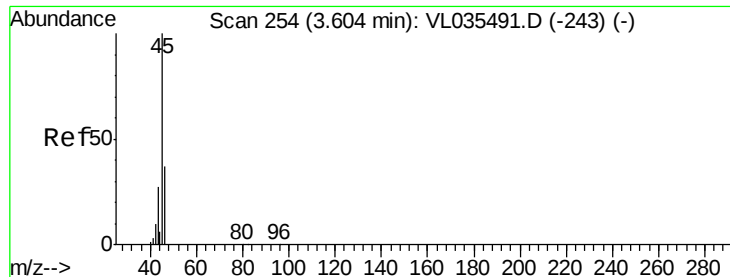
Tot Ion:101 Resp: 2433018
 Ion Ratio Lower Upper
 101 100
 103 67.6 54.4 81.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.386 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VL035498.D
 Acq: 23 Aug 2020 12:43

Tgt Ion:101 Resp: 1847883
 Ion Ratio Lower Upper
 101 100
 151 79.4 64.1 96.1





#13

Ethanol

Concen: 8.496 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

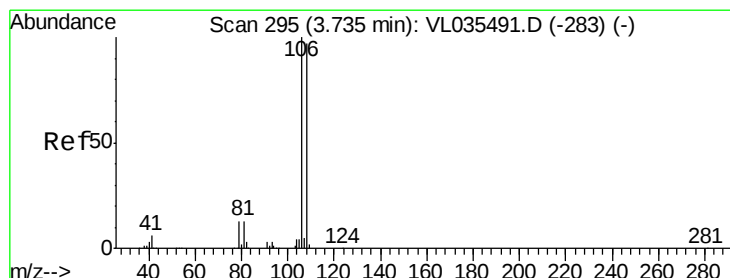
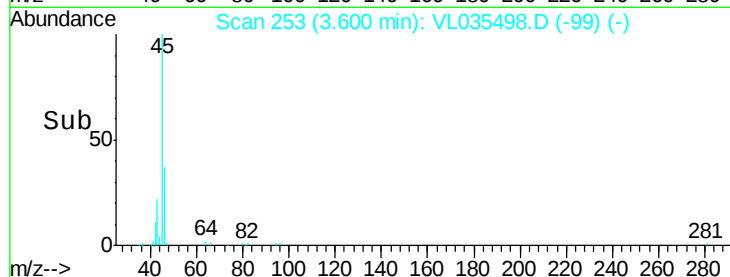
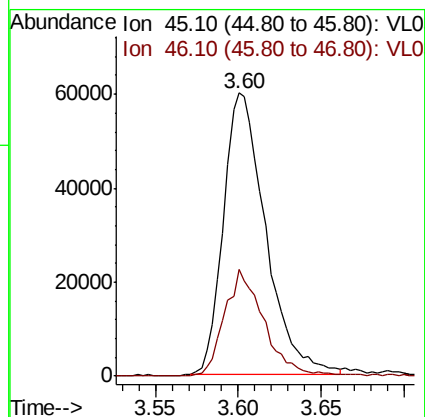
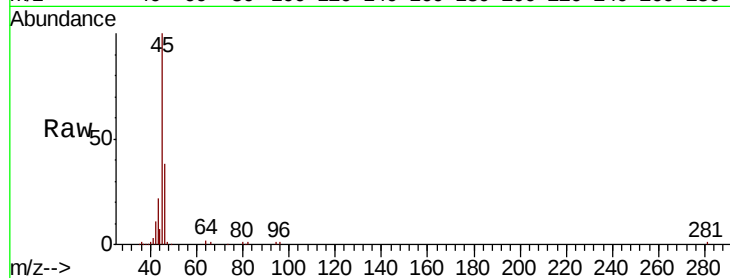
ICVVL082320

Tot Ion: 45 Resp: 106557

Ion Ratio Lower Upper

45 100

46 35.8 14.4 57.6



#14

Bromoethene

Concen: 9.954 ppbv

RT: 3.74 min Scan# 295

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

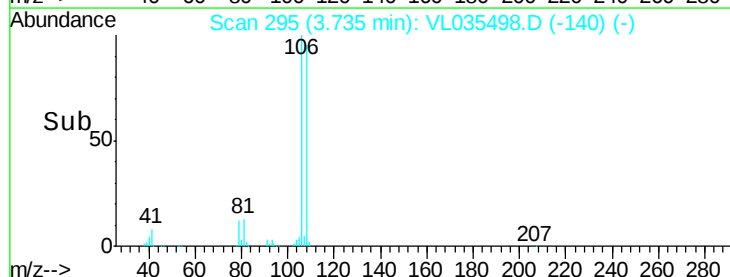
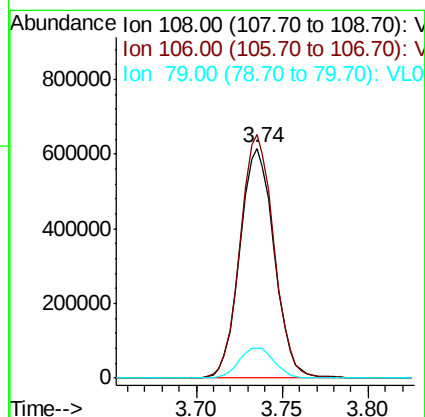
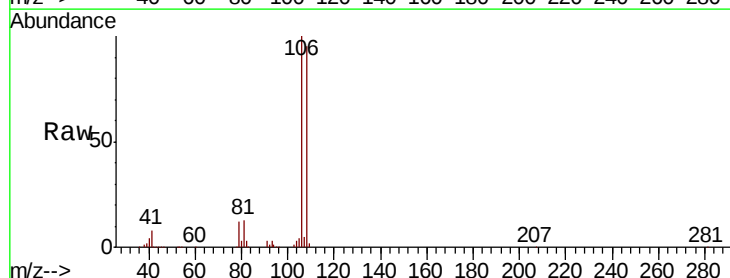
Tgt Ion: 108 Resp: 856331

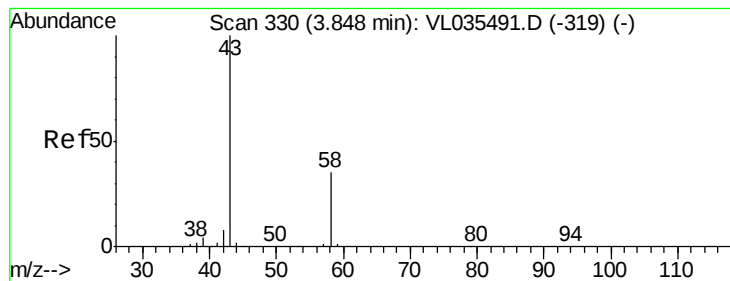
Ion Ratio Lower Upper

108 100

106 104.7 83.6 125.4

79 13.6 10.7 16.1





#15

Acetone

Concen: 8.347 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

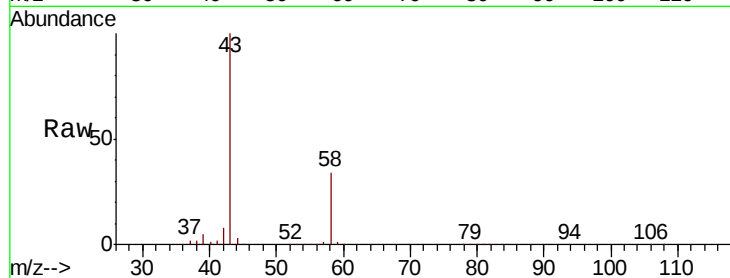
ICVVL082320

Tot Ion: 43 Resp: 878551

Ion Ratio Lower Upper

43 100

58 35.2 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

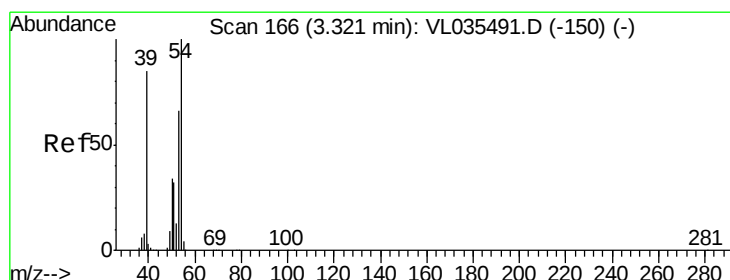
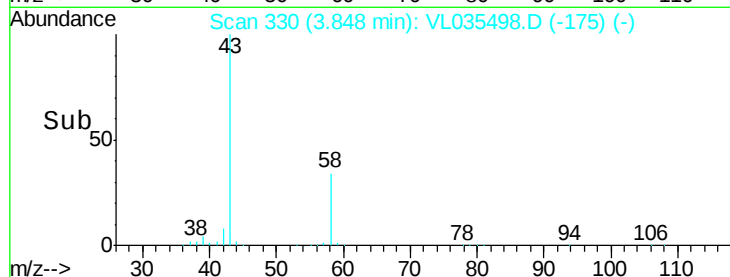
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 9.648 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL035498.D

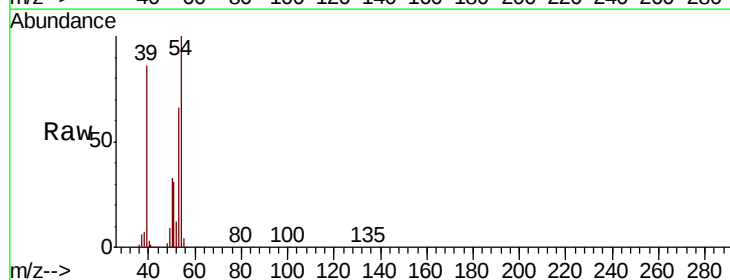
Acq: 23 Aug 2020 12:43

Tgt Ion: 39 Resp: 409183

Ion Ratio Lower Upper

39 100

54 111.7 89.3 133.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

400000

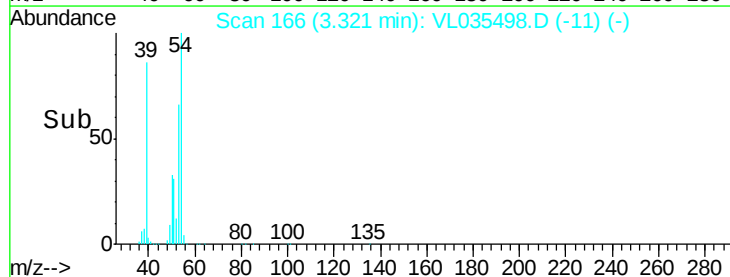
300000

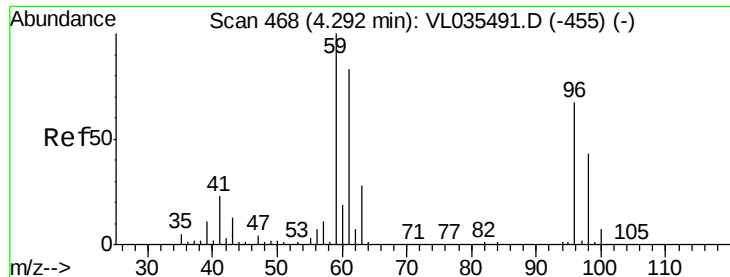
200000

100000

0

Time-->





#17

tert-Butyl alcohol

Concen: 10.155 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

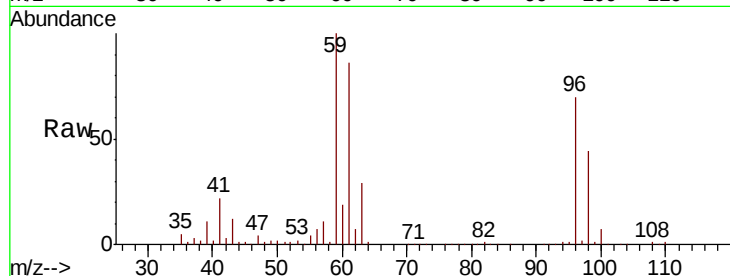
ICVVL082320

Tot Ion: 59 Resp: 1385013

Ion Ratio Lower Upper

59 100

57 10.6 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

800000

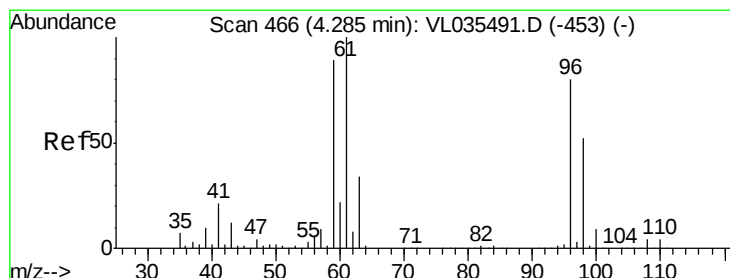
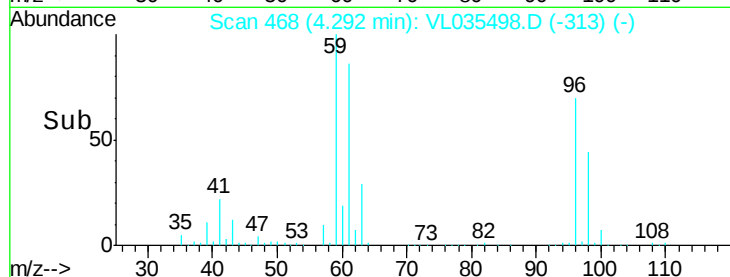
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.763 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

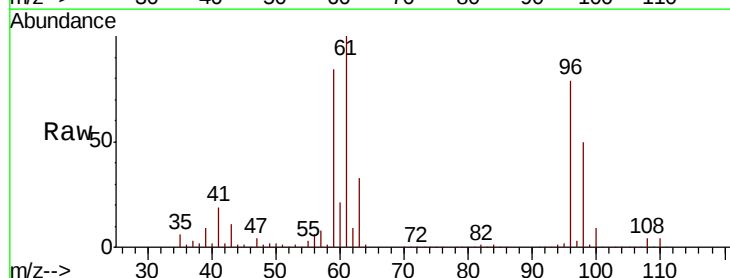
Tgt Ion: 96 Resp: 851714

Ion Ratio Lower Upper

96 100

61 126.2 99.9 149.9

98 62.8 52.2 78.4



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

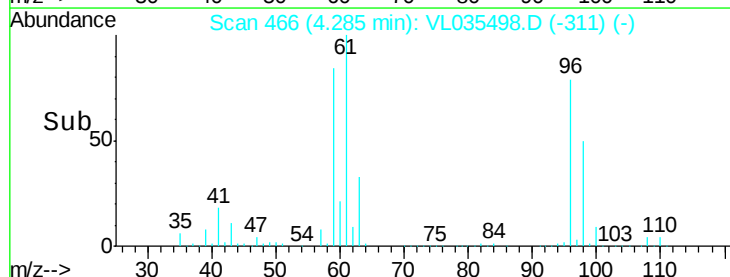
600000

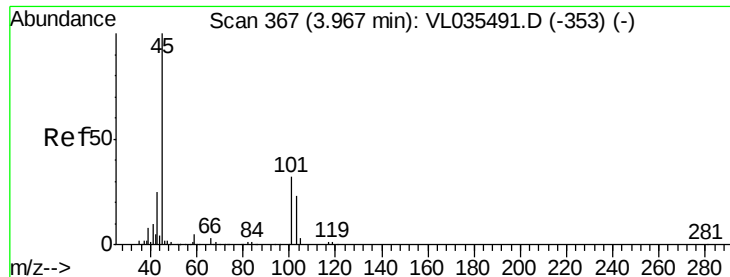
400000

200000

0

Time-->



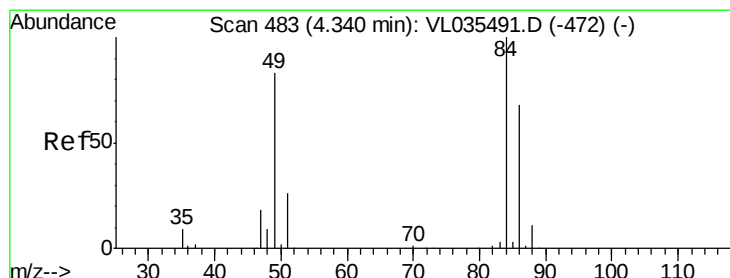
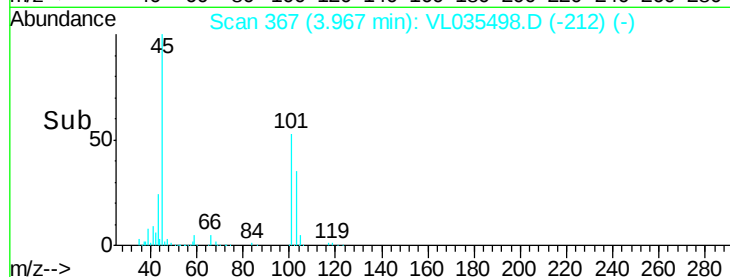
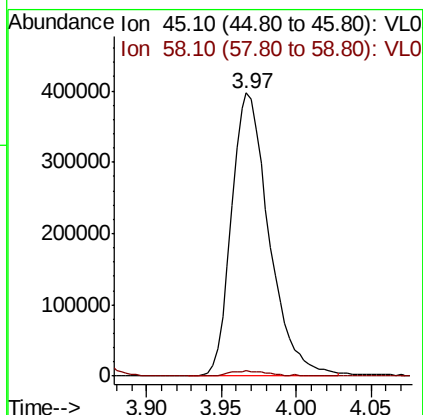
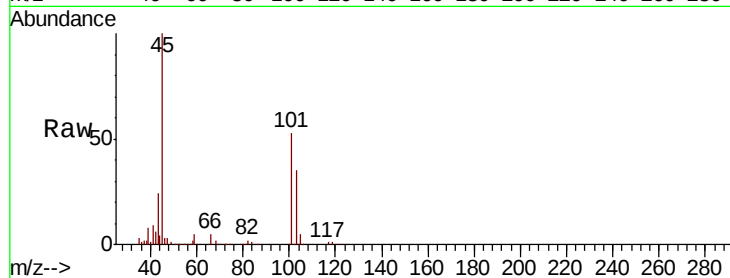


#19

Isopropyl Alcohol
 Concen: 10.008 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VL035498.D
 Acq: 23 Aug 2020 12:43

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082320

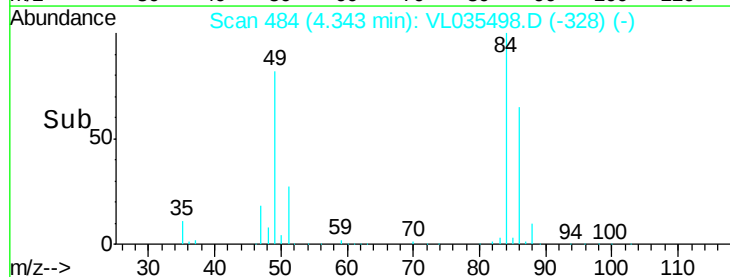
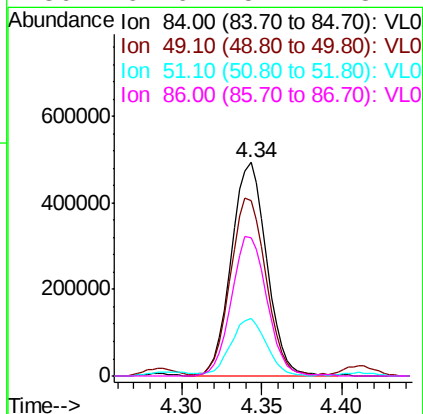
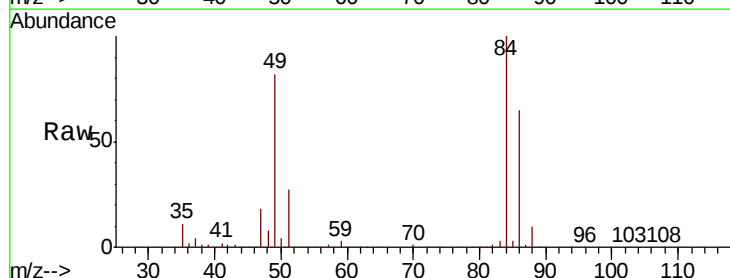
Tot Ion: 45 Resp: 694947
 Ion Ratio Lower Upper
 45 100
 58 2.1 1.8 2.8

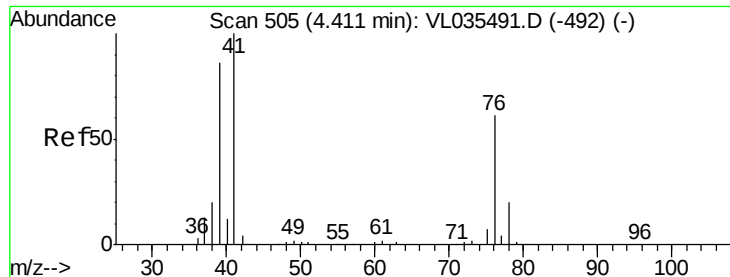


#20

Methylene Chloride
 Concen: 6.453 ppbv
 RT: 4.34 min Scan# 484
 Delta R.T. 0.00 min
 Lab File: VL035498.D
 Acq: 23 Aug 2020 12:43

Tgt Ion: 84 Resp: 737917
 Ion Ratio Lower Upper
 84 100
 49 81.4 66.3 99.5
 51 26.4 21.1 31.7
 86 64.6 54.2 81.4





#21

Allvl Chloride

Concen: 10.237 ppbv

RT: 4.41 min Scan# 505

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082320

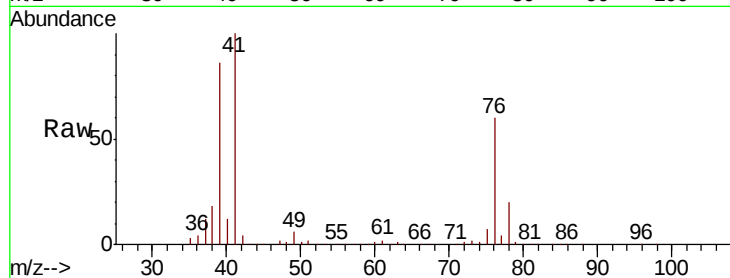
Tot Ion: 41 Resp: 551160

Ion Ratio Lower Upper

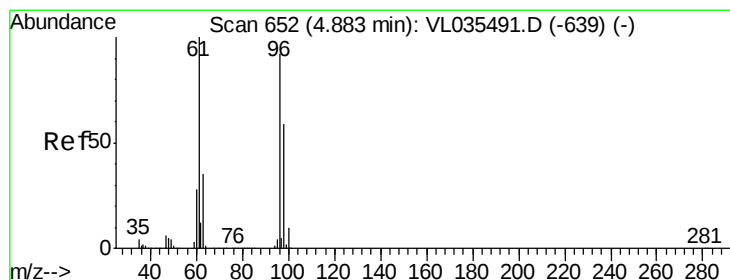
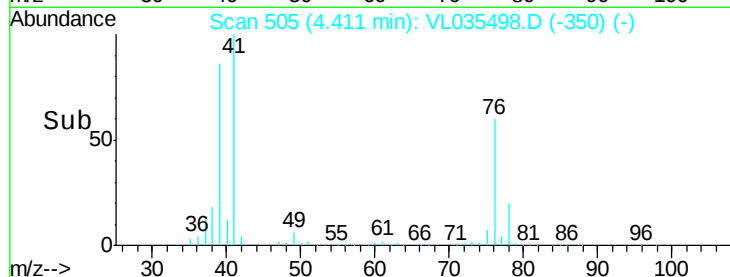
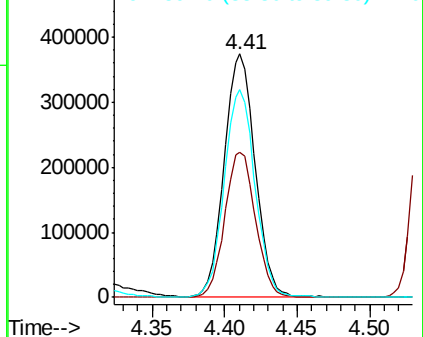
41 100

76 59.6 47.3 70.9

39 85.6 69.0 103.4



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



#22

trans-1,2-Dichloroethene

Concen: 9.785 ppbv

RT: 4.89 min Scan# 653

Delta R.T. 0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

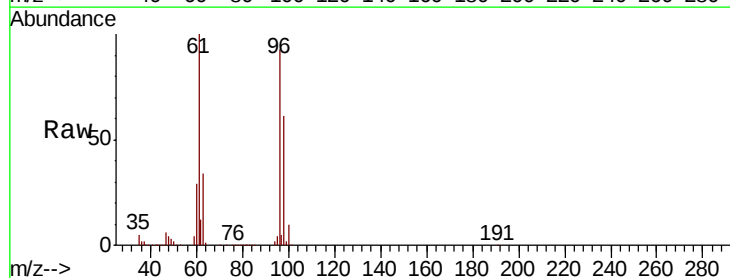
Tgt Ion: 96 Resp: 903033

Ion Ratio Lower Upper

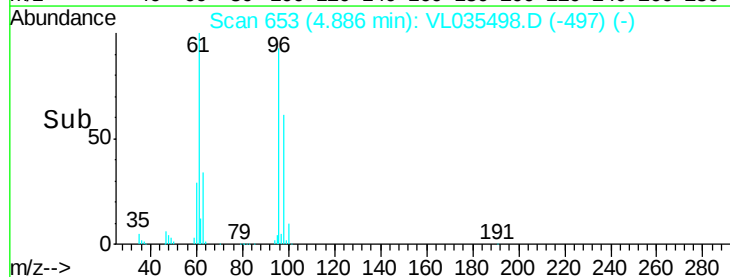
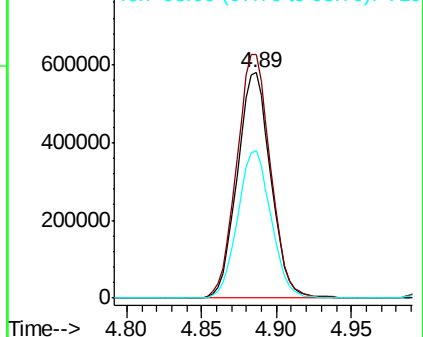
96 100

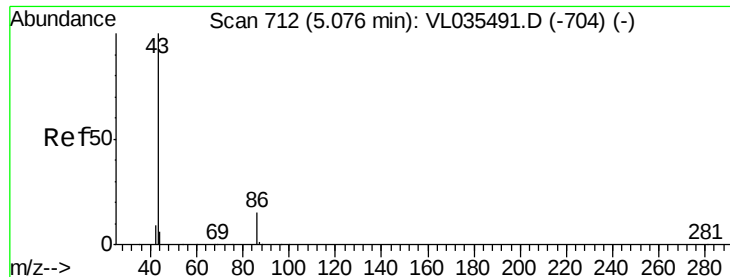
61 108.0 86.5 129.7

98 65.4 51.4 77.2



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.303 ppbv

RT: 5.08 min Scan# 712

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082320

Tot Ion: 43 Resp: 1447759

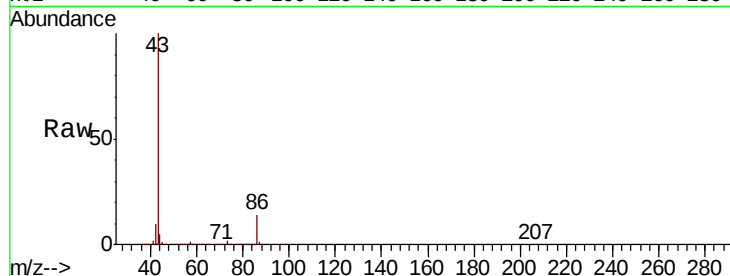
Ion	Ratio	Lower	Upper
43	100		
86	13.5	10.9	16.3
42	9.6	7.8	11.8
44	5.3	4.4	6.6

43 100

86 13.5 10.9 16.3

42 9.6 7.8 11.8

44 5.3 4.4 6.6

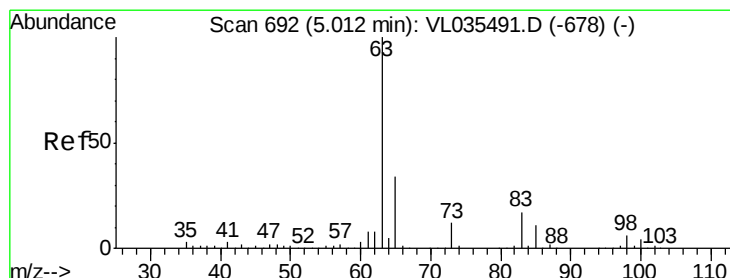
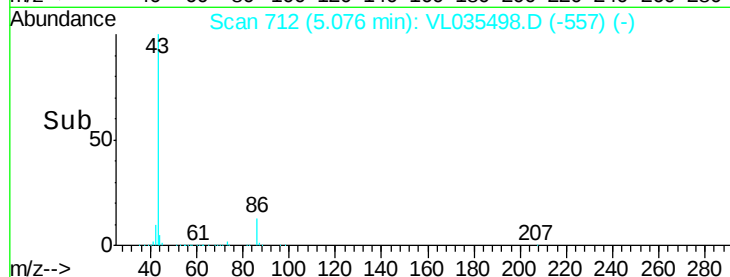
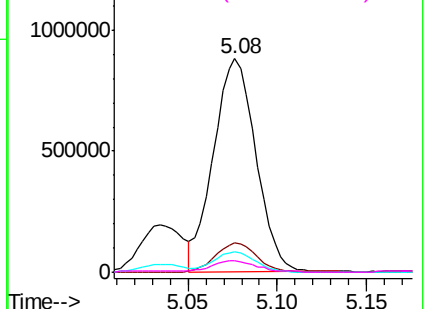


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.663 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

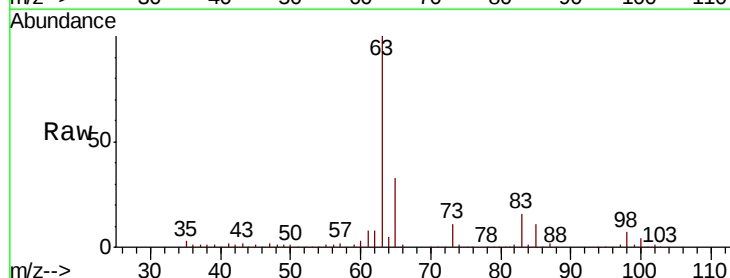
Tgt Ion: 63 Resp: 1430164

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.1	9.4
100	4.4	2.0	6.0

63 100

98 6.5 3.1 9.4

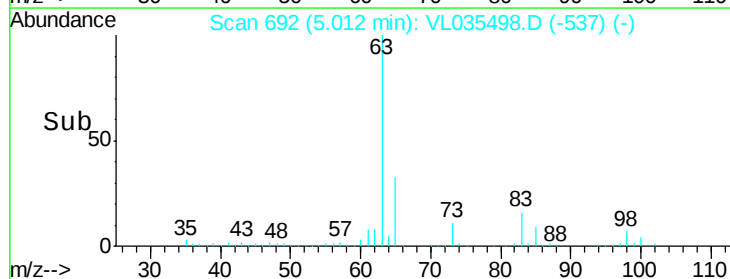
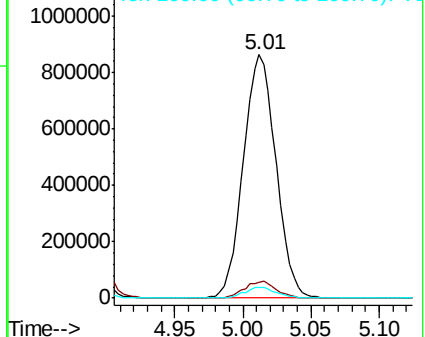
100 4.4 2.0 6.0

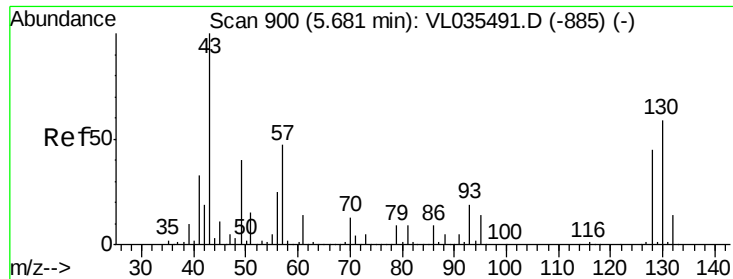


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



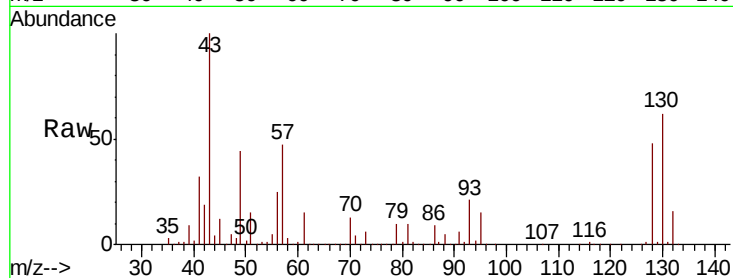


#25
Ethyl Acetate
Concen: 9.146 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL035498.D
Acq: 23 Aug 2020 12:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL082320

Tot Ion: 43 Resp: 1855226

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.4	12.6
61	13.3	10.6	16.0
70	11.9	9.4	14.2



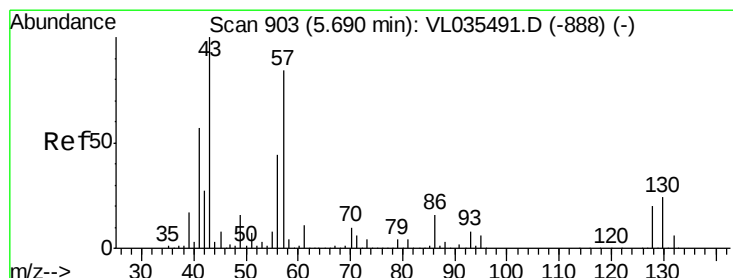
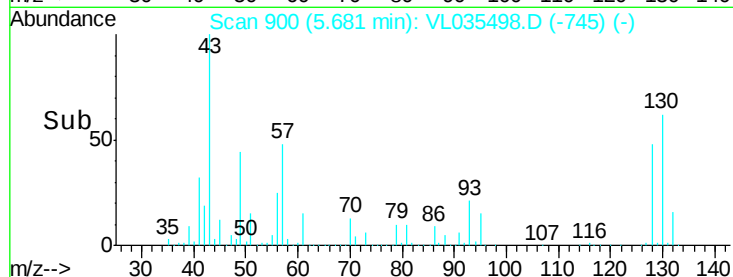
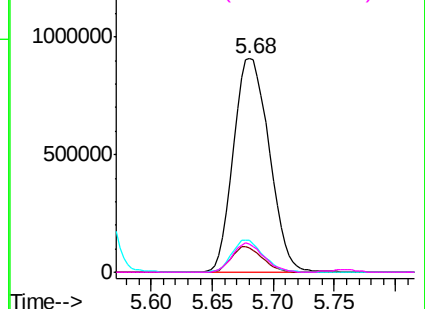
Abundance

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

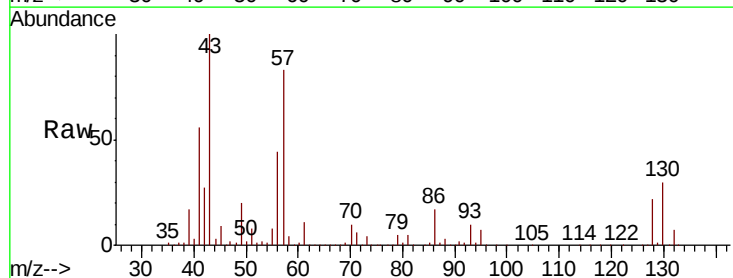
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.707 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL035498.D
Acq: 23 Aug 2020 12:43

Tgt Ion: 57 Resp: 1073511

Ion	Ratio	Lower	Upper
57	100		
41	69.3	56.7	85.1
43	173.4	141.9	212.9
56	51.9	41.9	62.9



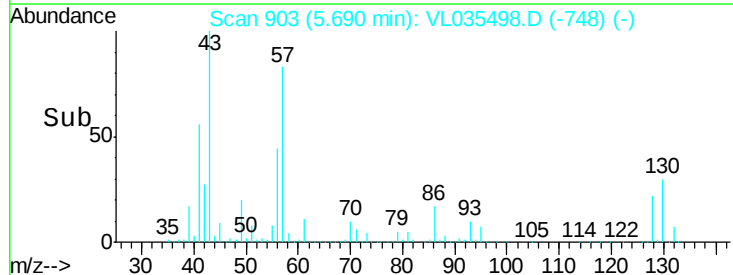
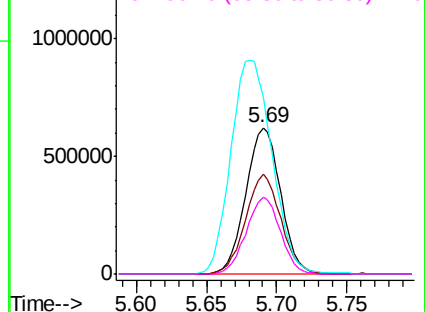
Abundance

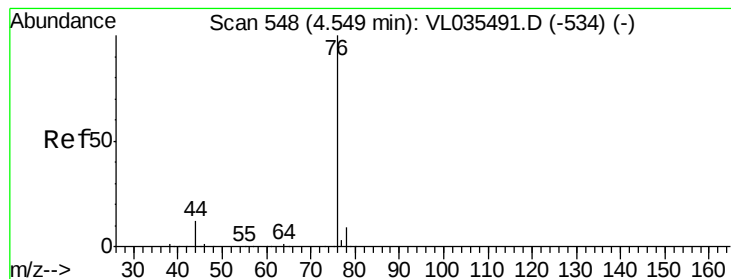
Ion 57.10 (56.80 to 57.80): VL0

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: 10.914 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082320

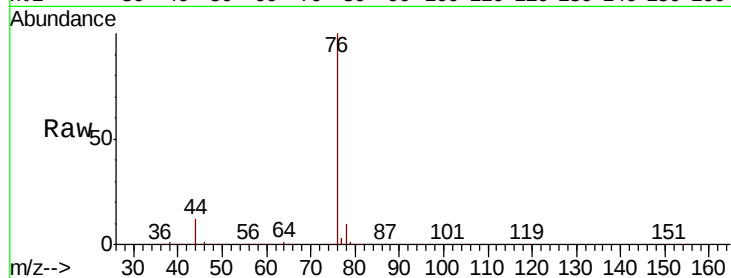
Tot Ion: 76 Resp: 1793735

Ion Ratio Lower Upper

76 100

44 11.1 9.2 13.8

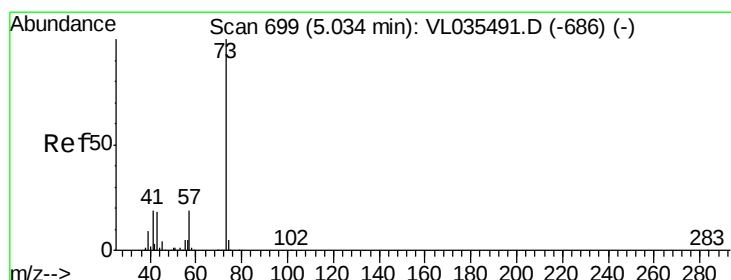
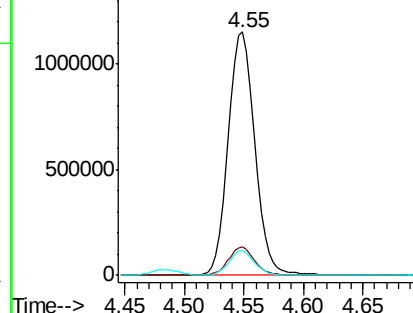
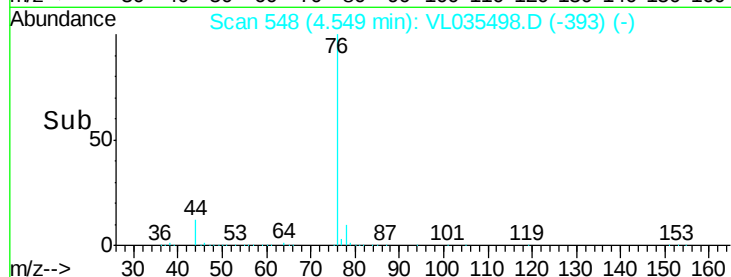
78 9.7 7.8 11.8



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: 10.162 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.00 min

Lab File: VL035498.D

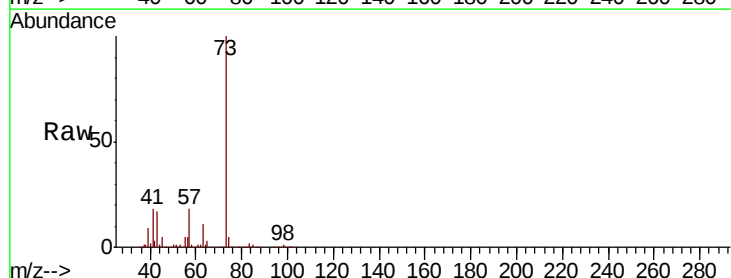
Acq: 23 Aug 2020 12:43

Tgt Ion: 73 Resp: 2033739

Ion Ratio Lower Upper

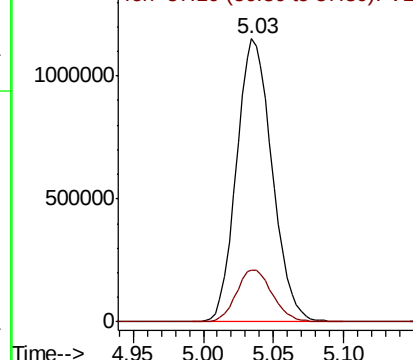
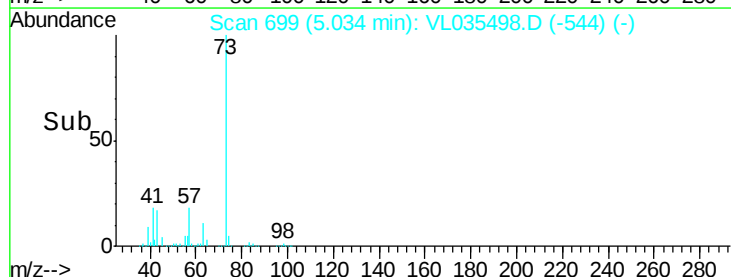
73 100

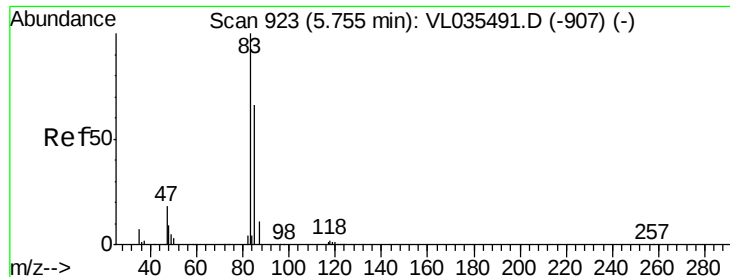
57 18.7 15.1 22.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.505 ppbv

RT: 5.76 min Scan# 924

Delta R.T. 0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

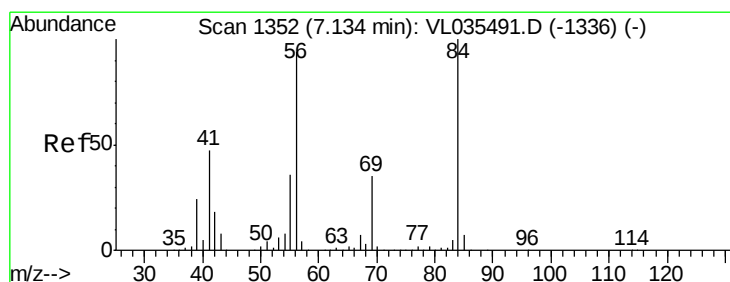
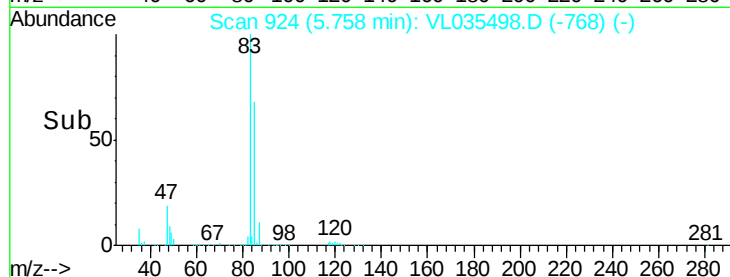
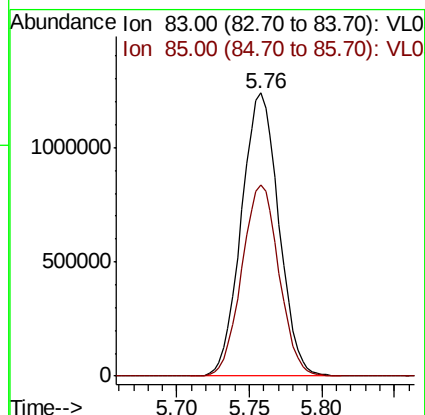
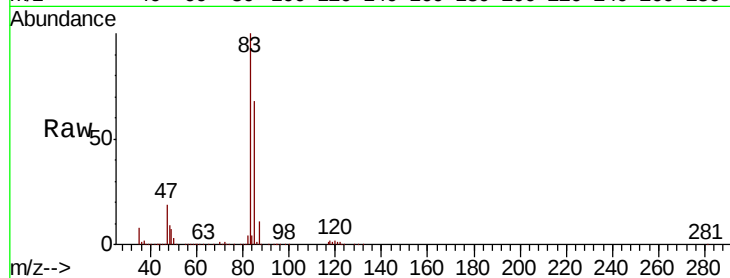
ICVVL082320

Tot Ion: 83 Resp: 2227669

Ion Ratio Lower Upper

83 100

85 67.5 53.1 79.7



#30

Cyclohexane

Concen: 10.232 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

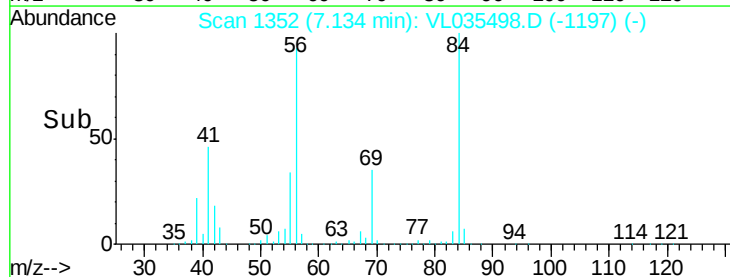
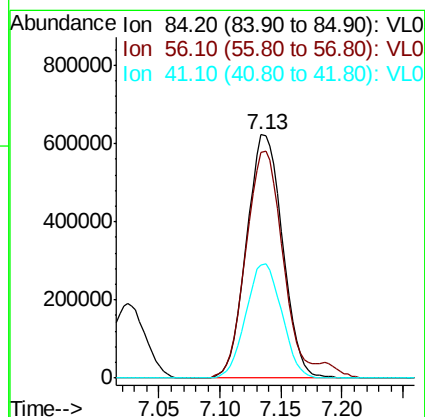
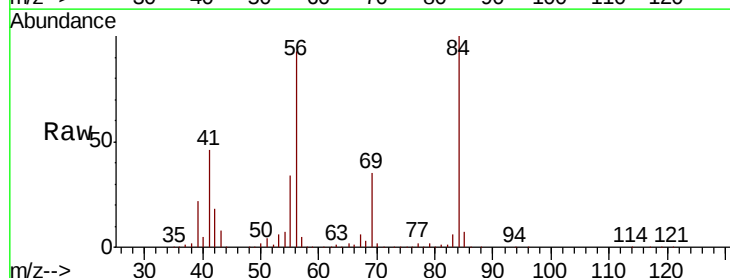
Tgt Ion: 84 Resp: 1269114

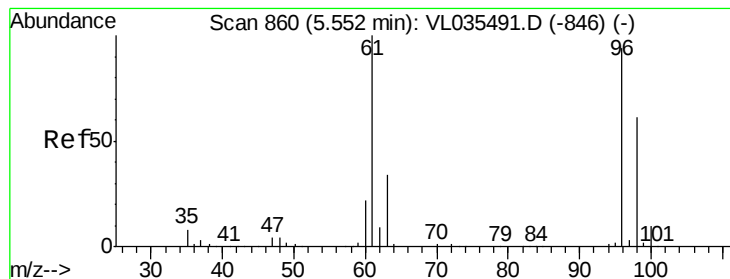
Ion Ratio Lower Upper

84 100

56 99.0 79.9 119.9

41 46.7 37.6 56.4





#31

cis-1,2-Dichloroethene

Concen: 10.092 ppbv

RT: 5.55 min Scan# 860

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082320

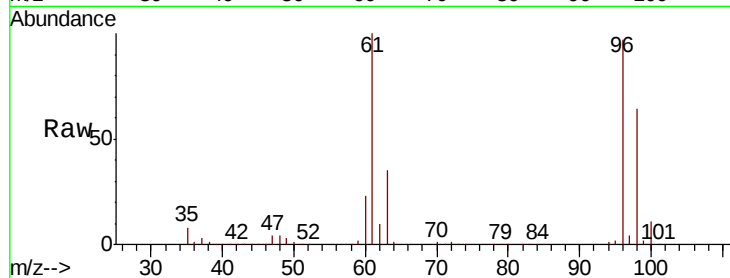
Tot Ion: 61 Resp: 1178936

Ion Ratio Lower Upper

61 100

96 97.2 75.5 113.3

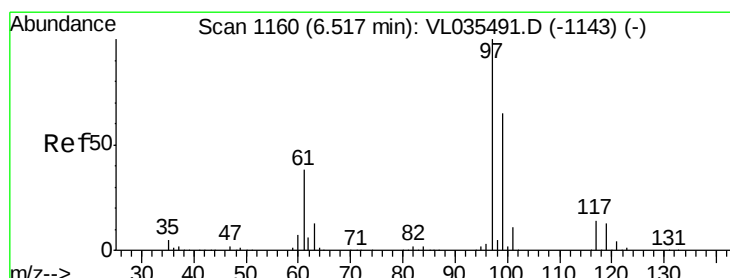
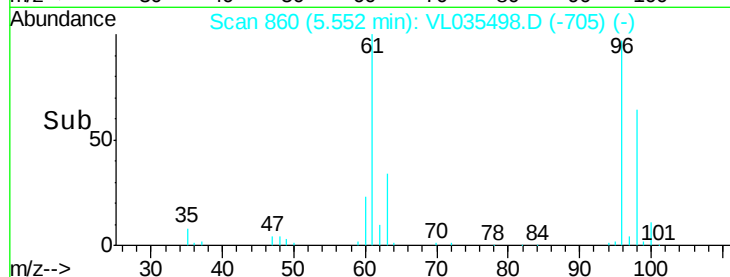
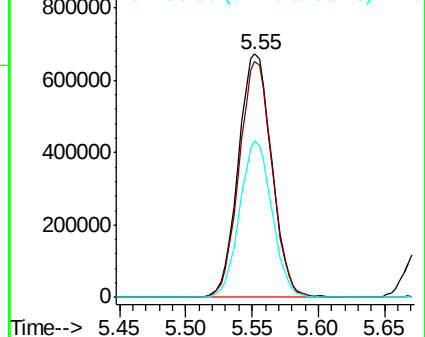
98 64.2 48.9 73.3



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.631 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

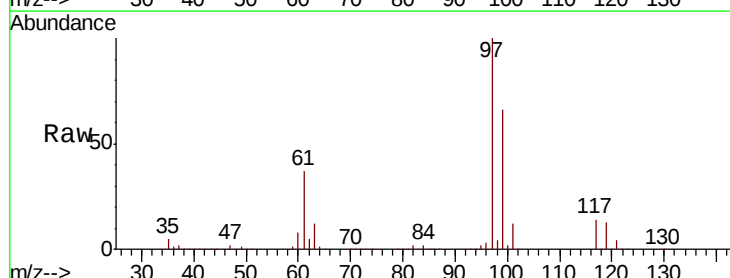
Tgt Ion: 97 Resp: 2276100

Ion Ratio Lower Upper

97 100

99 66.1 52.7 79.1

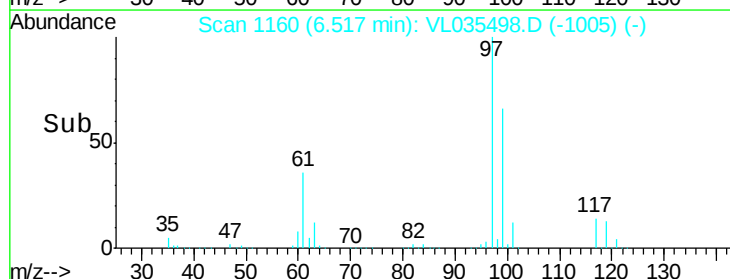
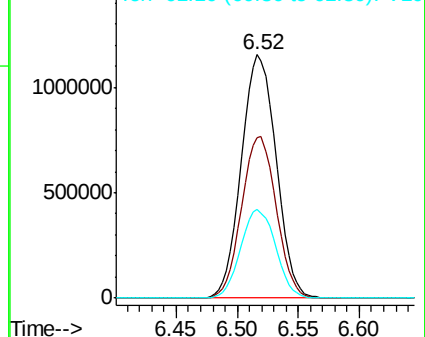
61 36.9 30.2 45.2

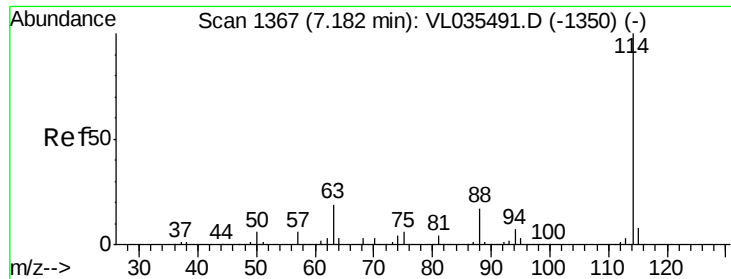


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

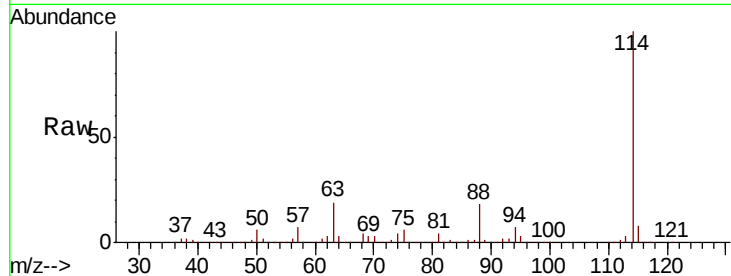




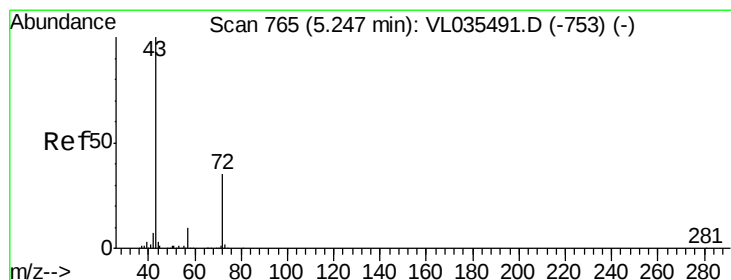
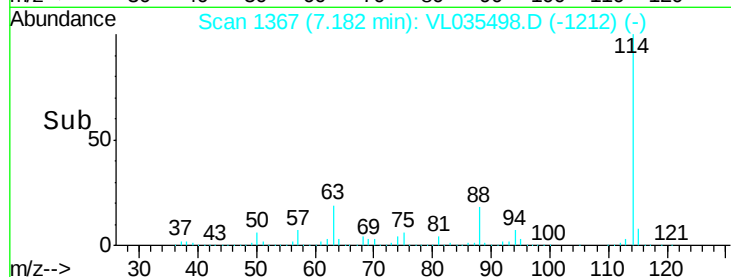
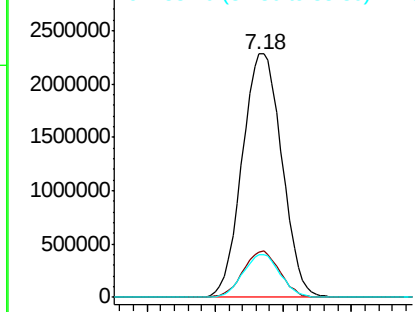
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL035498.D
 Acq: 23 Aug 2020 12:43

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082320

Tot Ion:114 Resp: 4610072
 Ion Ratio Lower Upper
 114 100
 63 17.8 14.3 21.5
 88 16.6 13.2 19.8

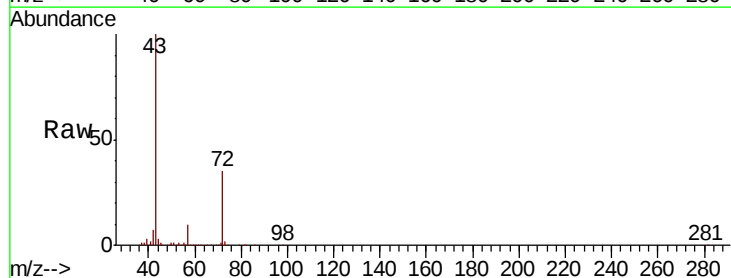


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

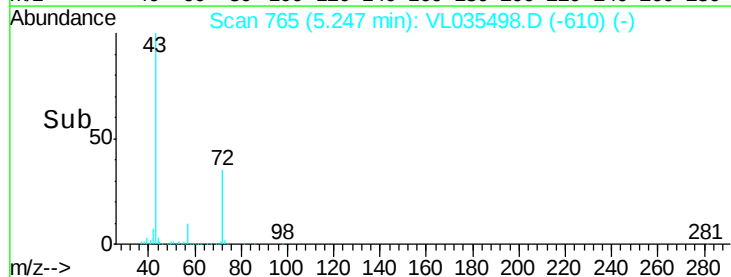
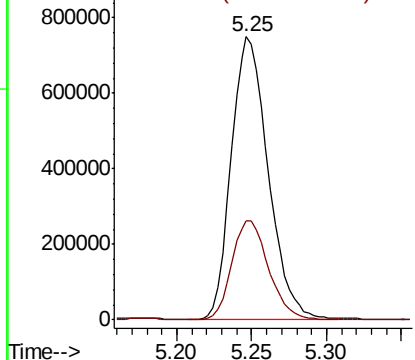


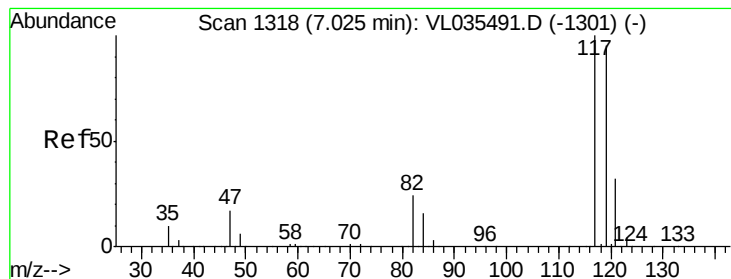
#34
 2-Butanone
 Concen: 9.512 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VL035498.D
 Acq: 23 Aug 2020 12:43

Tgt Ion: 43 Resp: 1288042
 Ion Ratio Lower Upper
 43 100
 72 35.0 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.672 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082320

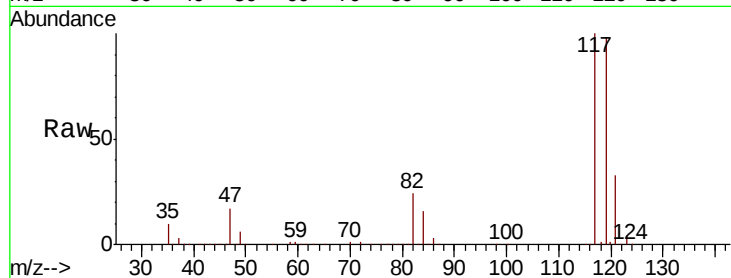
Tot Ion:117 Resp: 2397428

Ion Ratio Lower Upper

117 100

119 98.3 75.6 113.4

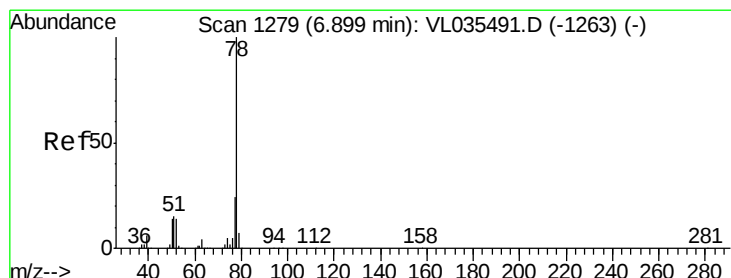
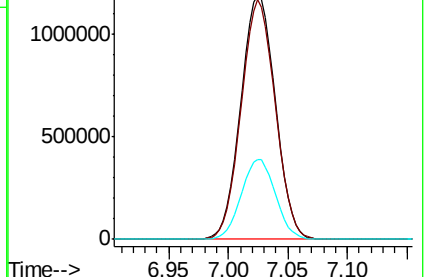
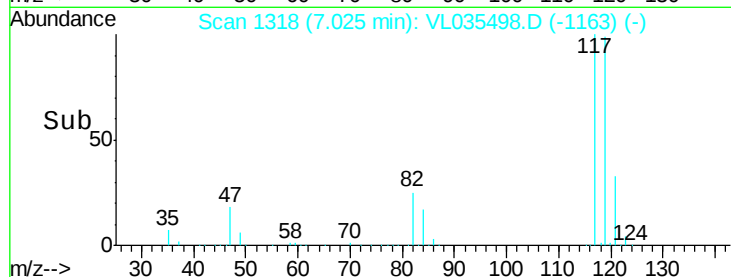
121 33.0 25.6 38.4



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: 9.572 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

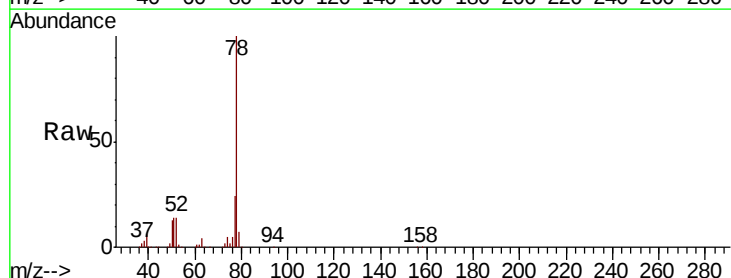
Tgt Ion: 78 Resp: 2897918

Ion Ratio Lower Upper

78 100

77 24.1 19.2 28.8

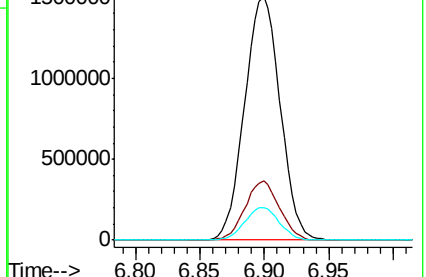
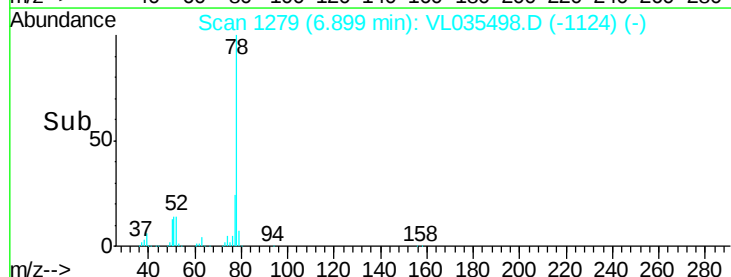
50 13.5 11.0 16.4

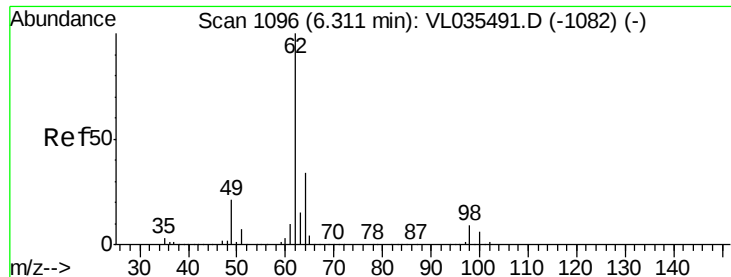


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.461 ppbv

RT: 6.31 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

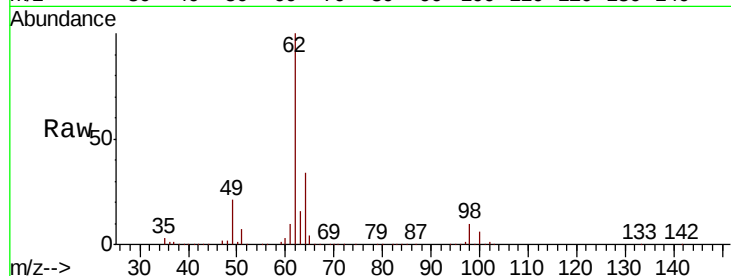
ICVVL082320

Tot Ion: 62 Resp: 1355456

Ion Ratio Lower Upper

62 100

98 9.4 7.4 11.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.31

800000

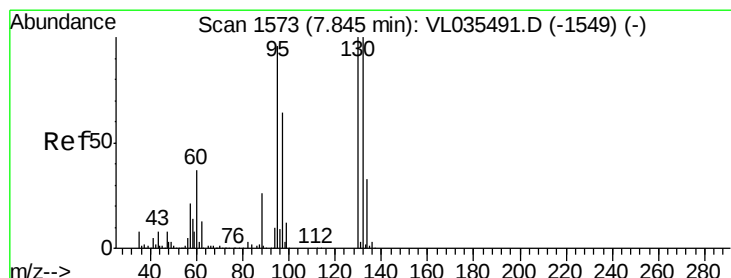
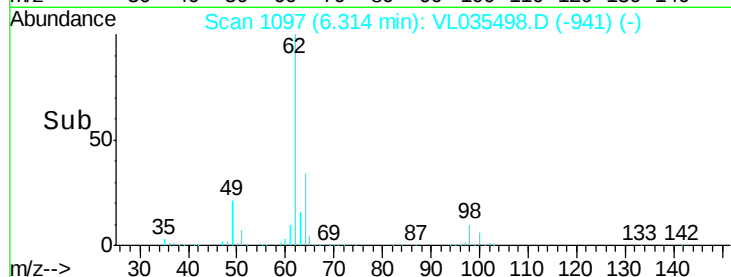
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 9.375 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Tgt Ion:130 Resp: 1570593

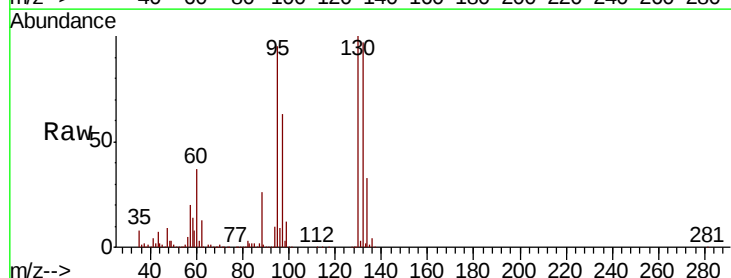
Ion Ratio Lower Upper

130 100

95 94.8 76.9 115.3

132 96.7 80.2 120.4

97 62.8 51.2 76.8



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

1200000

1000000

800000

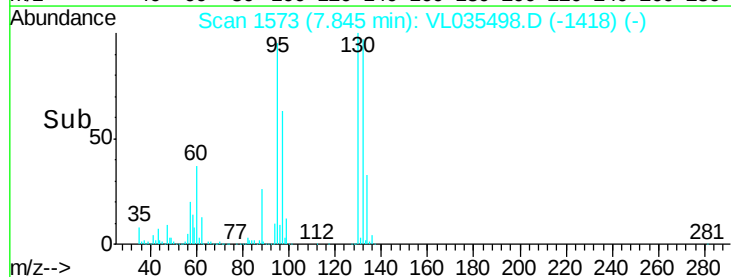
600000

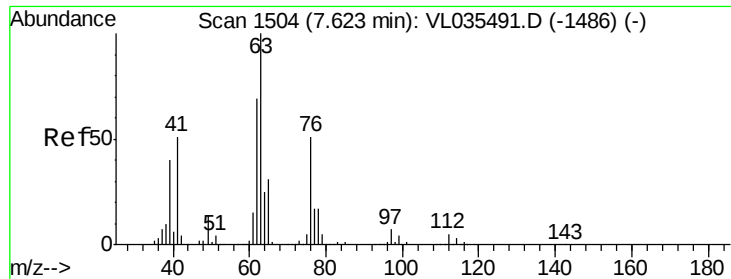
400000

200000

0

Time-->

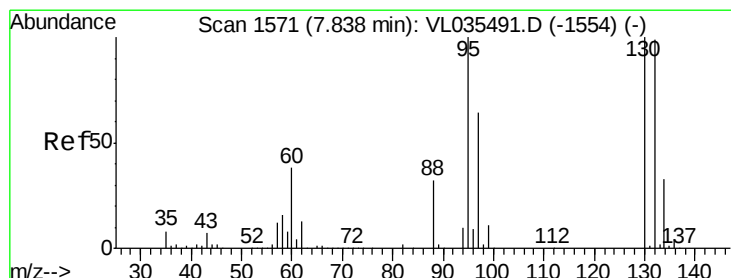
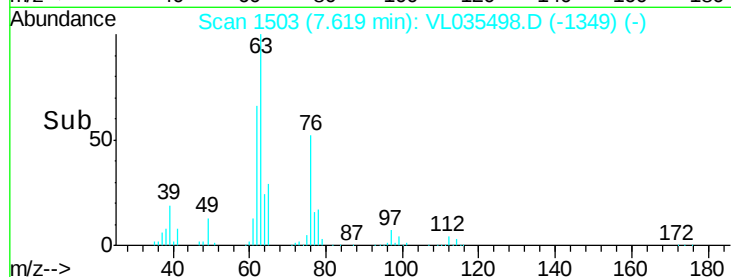
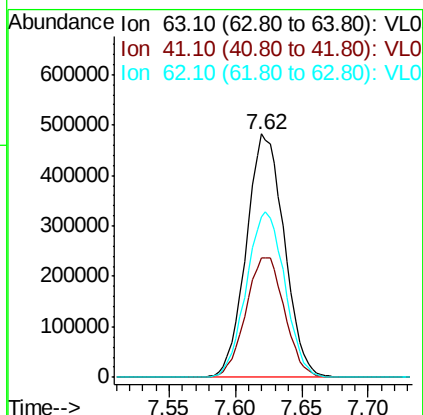
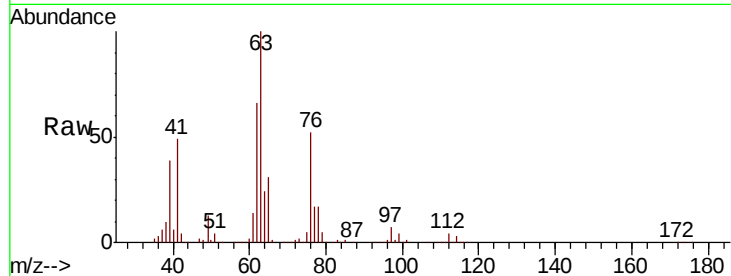




#39
 1,2-Dichloropropane
 Concen: 9.491 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. -0.00 min
 Lab File: VL035498.D
 Acq: 23 Aug 2020 12:43

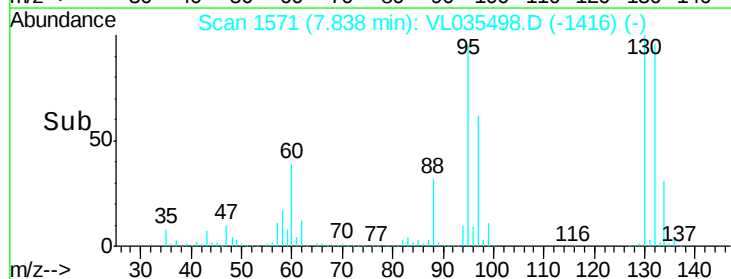
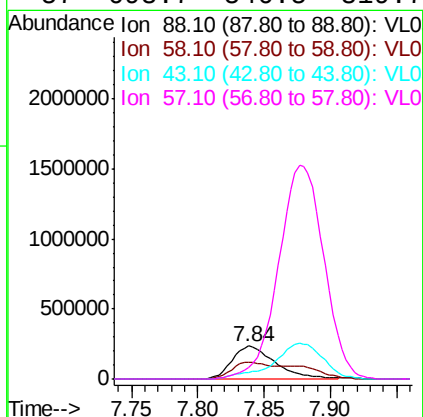
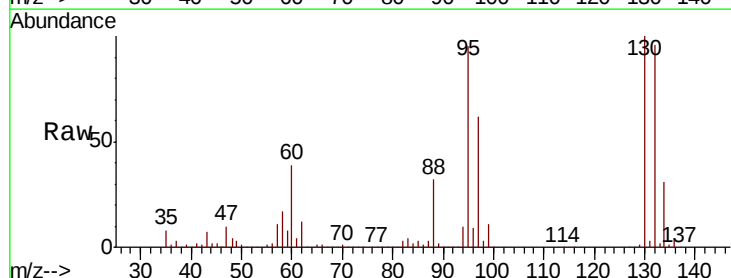
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082320

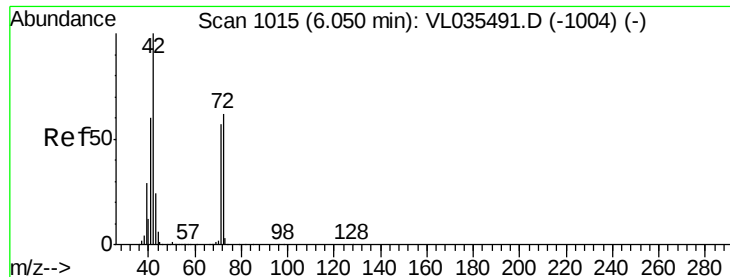
Tot Ion	Ratio	Lower	Upper
63	100		
41	49.1	40.9	61.3
62	65.8	55.3	82.9



#40
 1,4-Dioxane
 Concen: 10.456 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VL035498.D
 Acq: 23 Aug 2020 12:43

Tgt Ion	Ratio	Lower	Upper
88	100		
58	86.6	68.1	102.1
43	128.1	101.0	151.4
57	698.7	546.5	819.7





#41

Tetrahydrofuran

Concen: 10.108 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082320

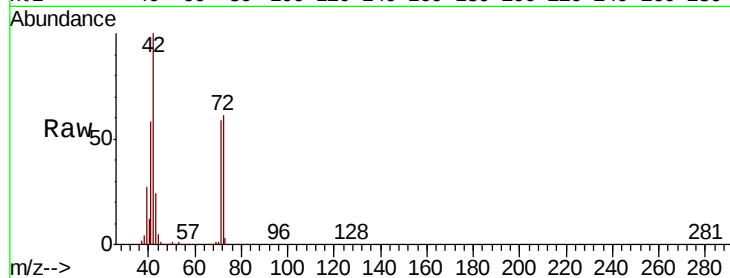
Tot Ion: 42 Resp: 743401

Ion Ratio Lower Upper

42 100

72 62.3 49.1 73.7

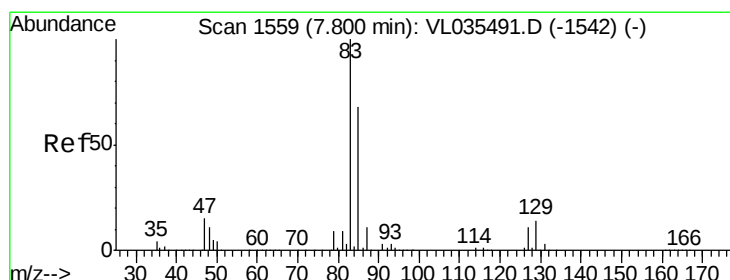
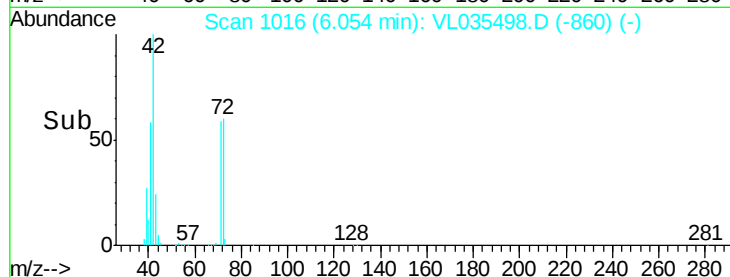
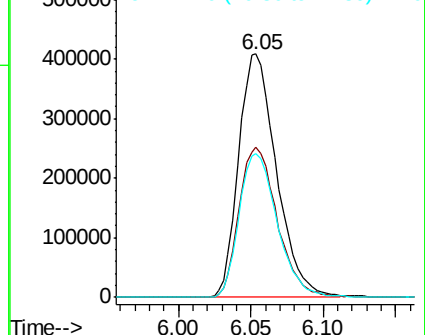
71 59.8 46.7 70.1



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: 10.167 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

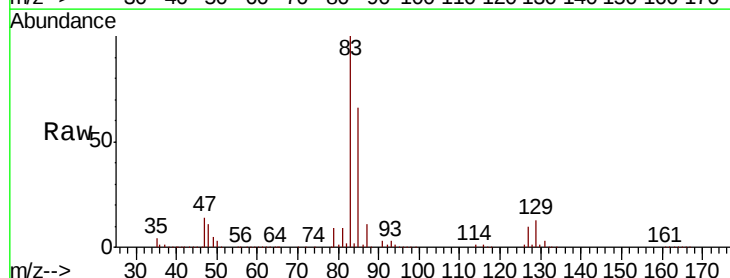
Tgt Ion: 83 Resp: 2382276

Ion Ratio Lower Upper

83 100

85 65.6 54.8 82.2

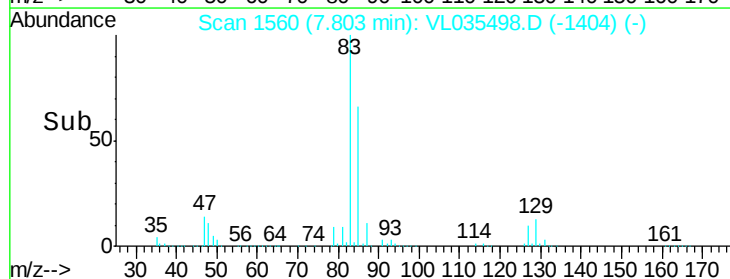
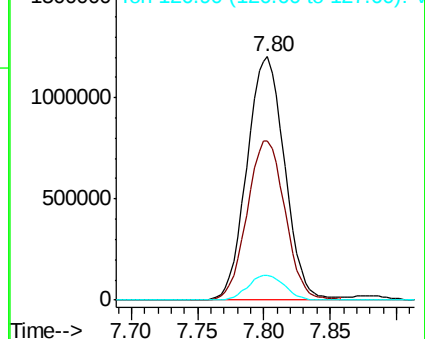
127 10.3 8.6 13.0

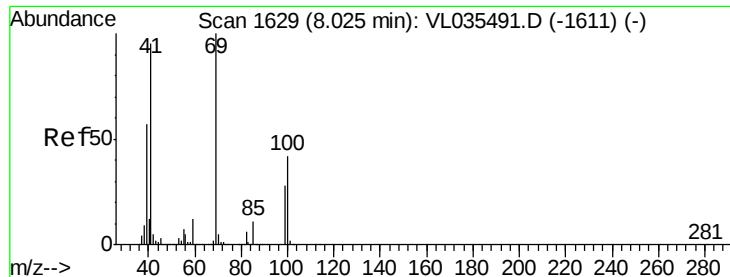


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

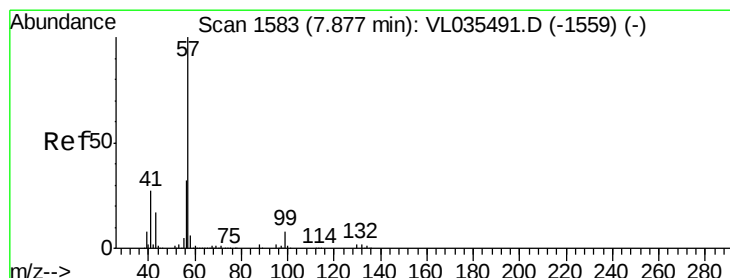
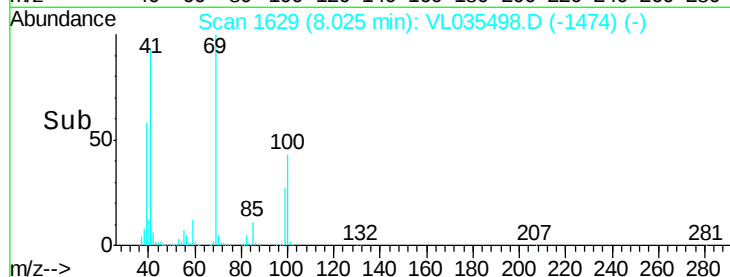
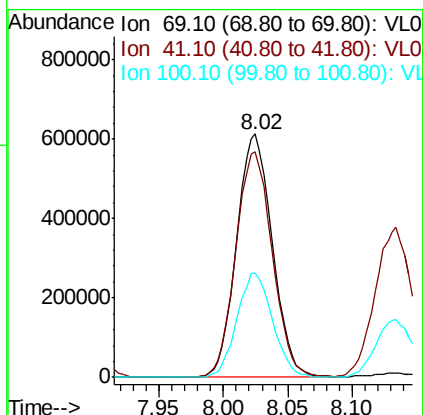
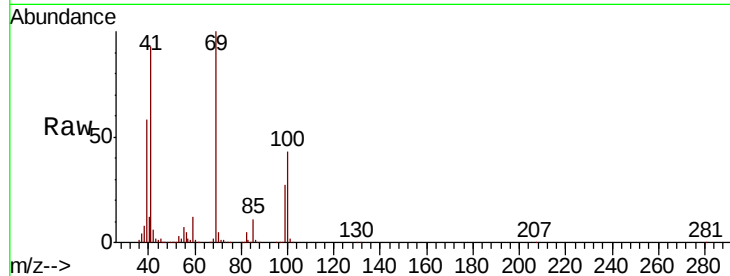




#43
Methvl Methacrilate
Concen: 10.128 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VL035498.D
Acq: 23 Aug 2020 12:43

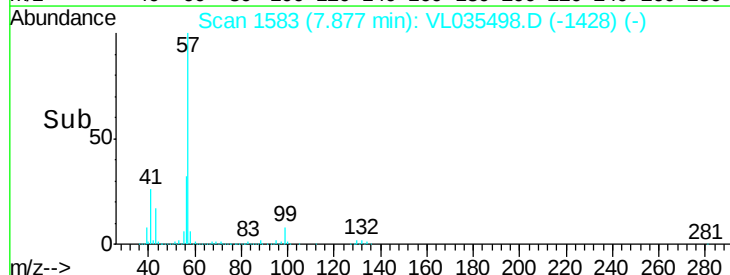
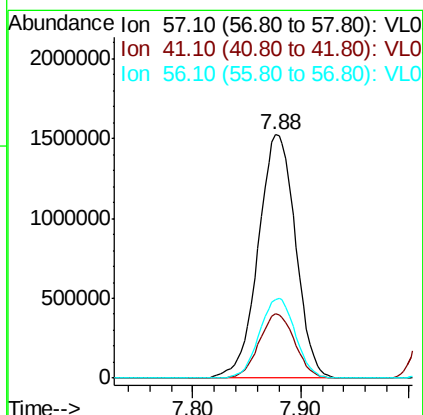
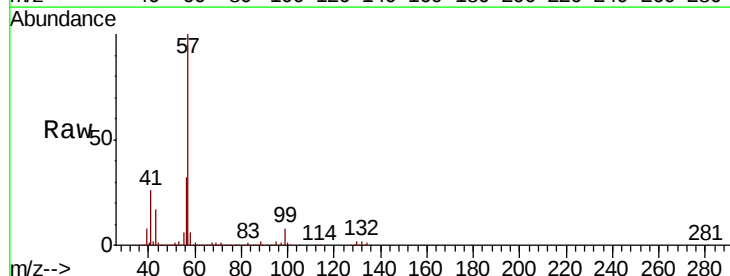
Instrument :
MSVOA_L
ClientSampleId :
ICVVL082320

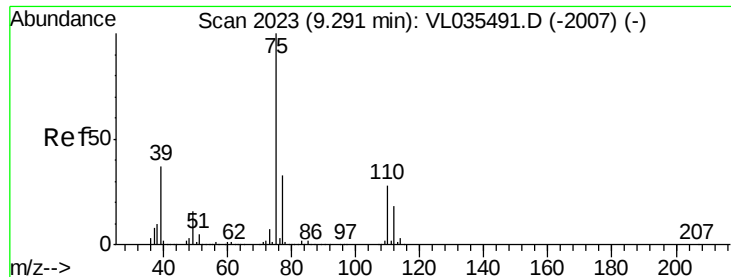
Tot Ion: 69 Resp: 1183881
Ion Ratio Lower Upper
69 100
41 94.4 76.1 114.1
100 42.7 34.2 51.4



#44
2,2,4-Trimethylpentane
Concen: 9.228 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VL035498.D
Acq: 23 Aug 2020 12:43

Tgt Ion: 57 Resp: 3648696
Ion Ratio Lower Upper
57 100
41 25.3 20.7 31.1
56 31.4 25.3 37.9

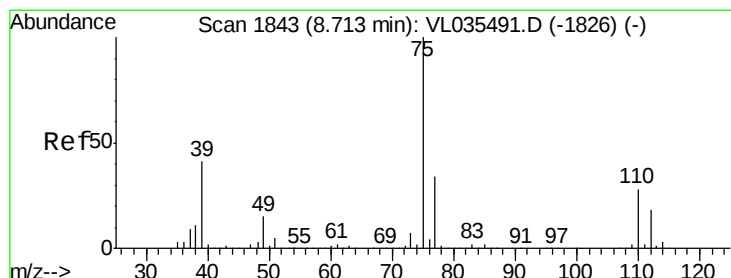
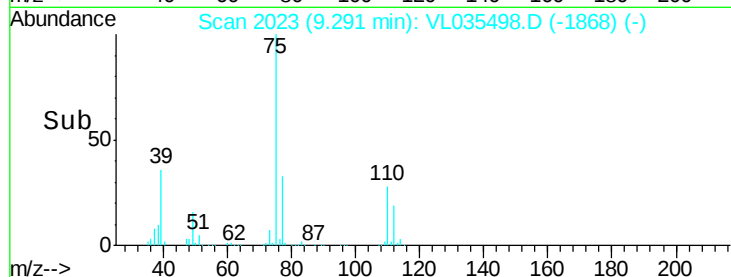
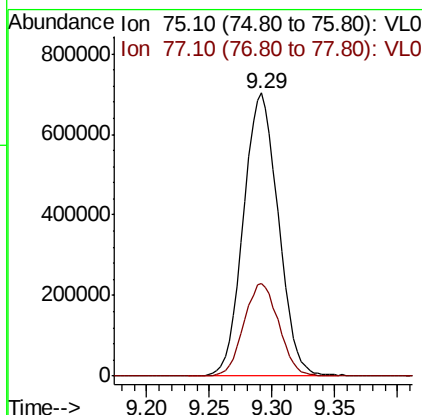
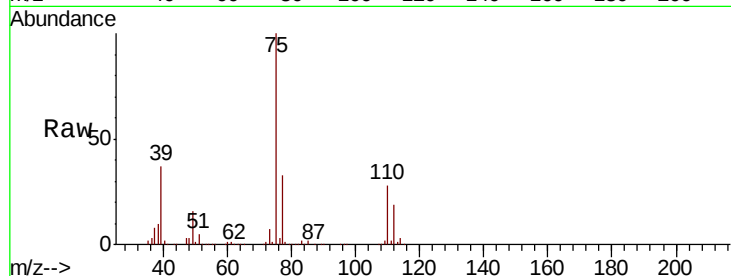




#45
 t-1,3-Dichloropropene
 Concen: 11.281 ppbv
 RT: 9.29 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: VL035498.D
 Acq: 23 Aug 2020 12:43

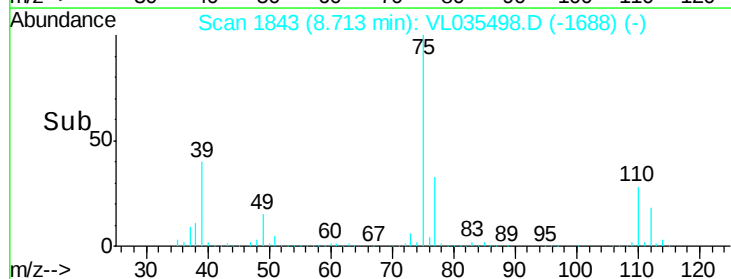
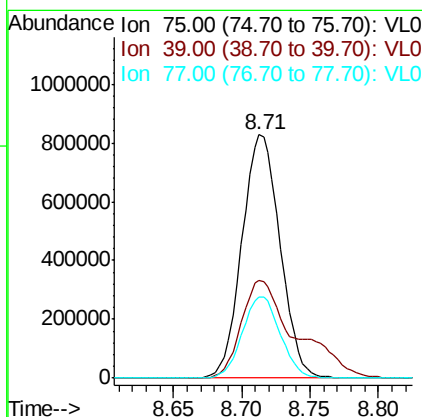
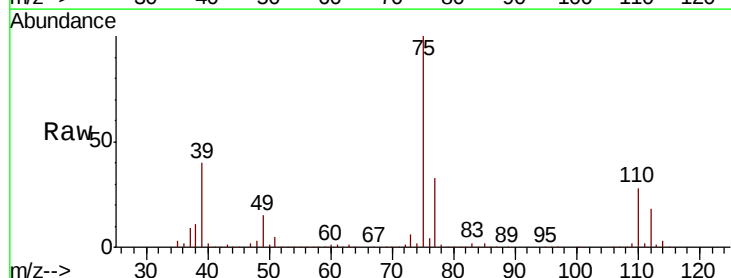
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082320

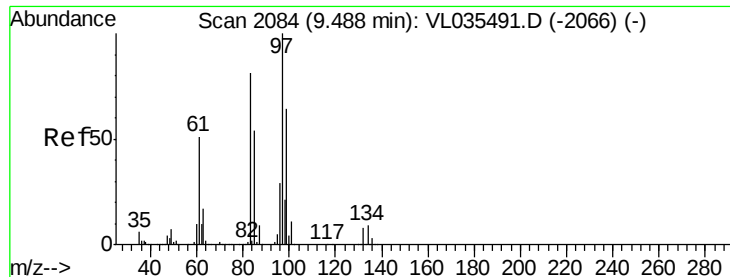
Tot Ion: 75 Resp: 1354999
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.6 39.8



#46
 cis-1,3-Dichloropropene
 Concen: 10.794 ppbv
 RT: 8.71 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VL035498.D
 Acq: 23 Aug 2020 12:43

Tgt Ion: 75 Resp: 1605646
 Ion Ratio Lower Upper
 75 100
 39 40.0 33.2 49.8
 77 33.3 27.1 40.7



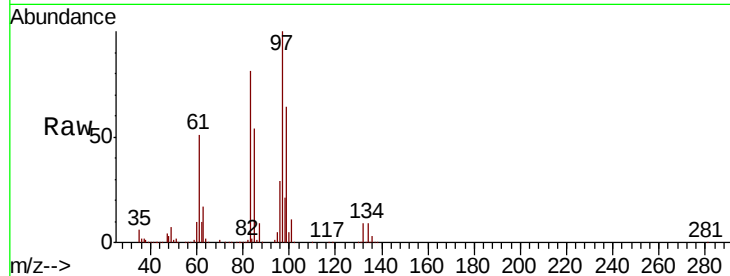


#47
 1,1,2-Trichloroethane
 Concen: 9.451 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.00 min
 Lab File: VL035498.D
 Acq: 23 Aug 2020 12:43

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082320

Tot Ion: 97 Resp: 1433859

Ion	Ratio	Lower	Upper
97	100		
83	81.5	64.9	97.3
85	54.5	43.1	64.7
99	63.9	51.5	77.3



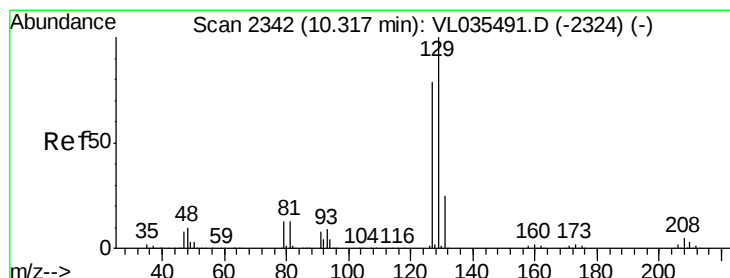
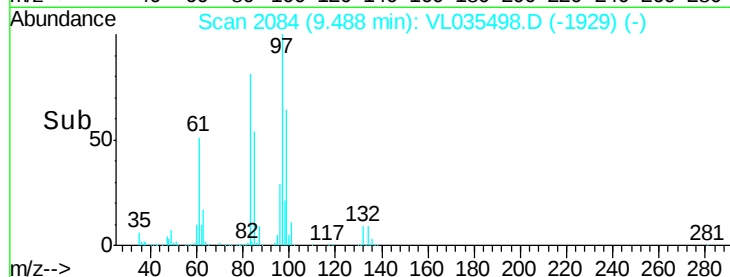
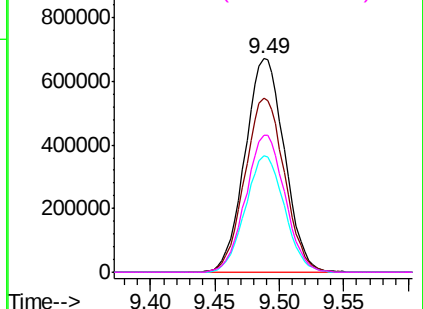
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

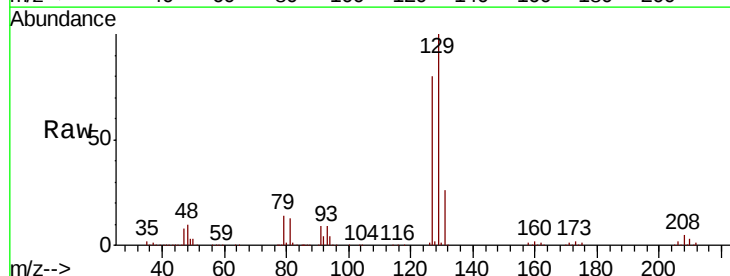
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.663 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VL035498.D
 Acq: 23 Aug 2020 12:43

Tgt Ion: 129 Resp: 2575167

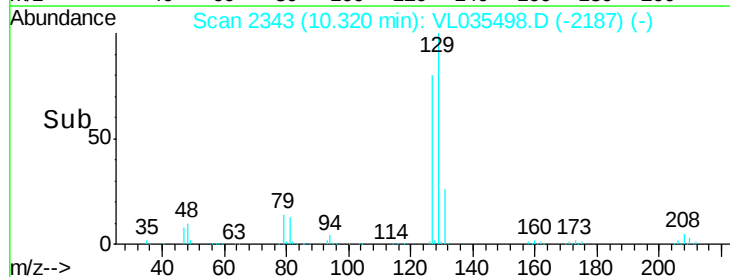
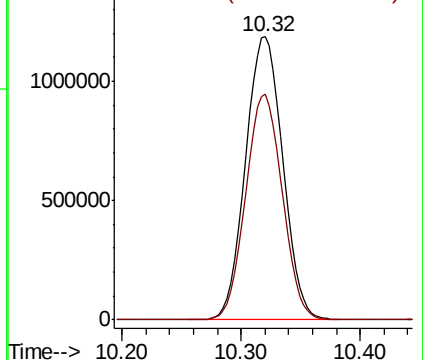
Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.1	117.5

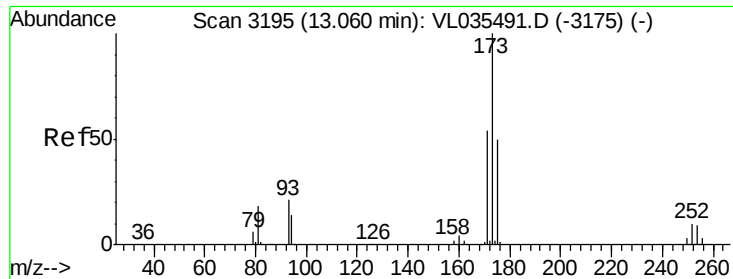


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.130 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082320

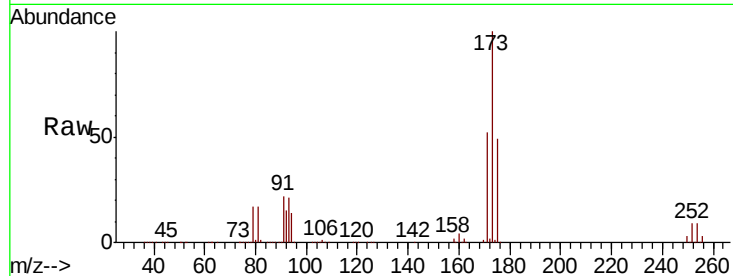
Tot Ion:173 Resp: 2496637

Ion Ratio Lower Upper

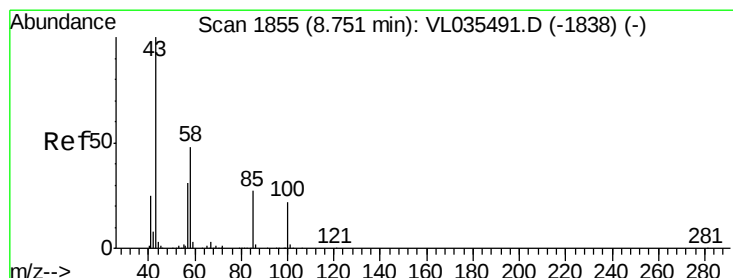
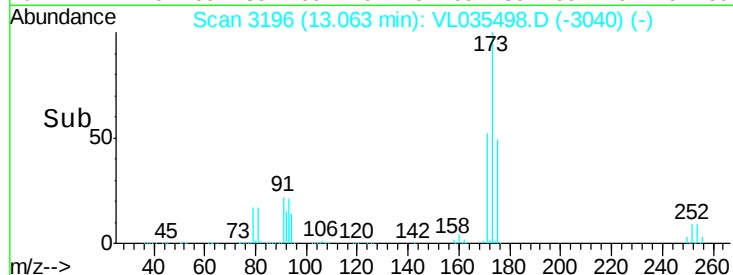
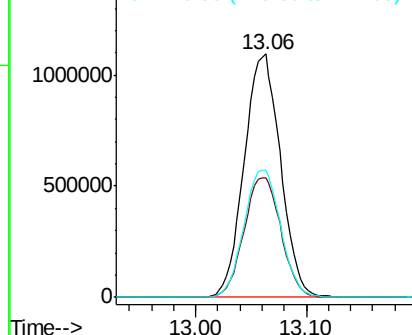
173 100

175 50.3 40.2 60.4

171 53.2 42.7 64.1



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: 9.872 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VL035498.D

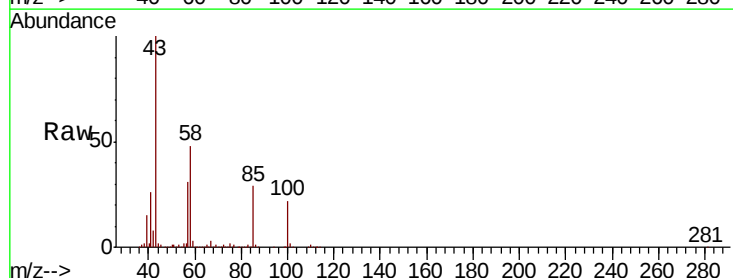
Acq: 23 Aug 2020 12:43

Tgt Ion: 43 Resp: 1922952

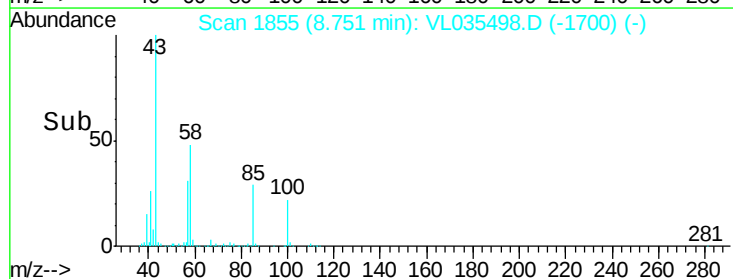
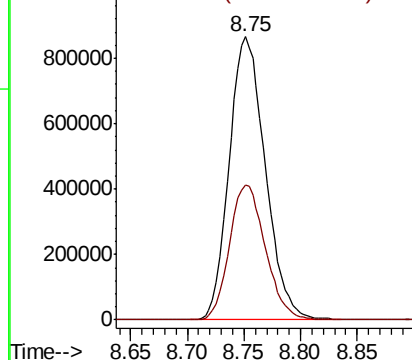
Ion Ratio Lower Upper

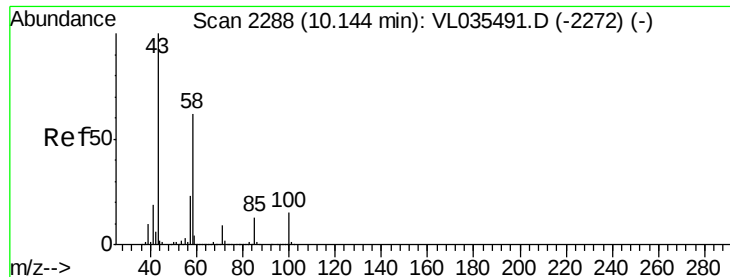
43 100

58 47.6 37.4 56.2



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

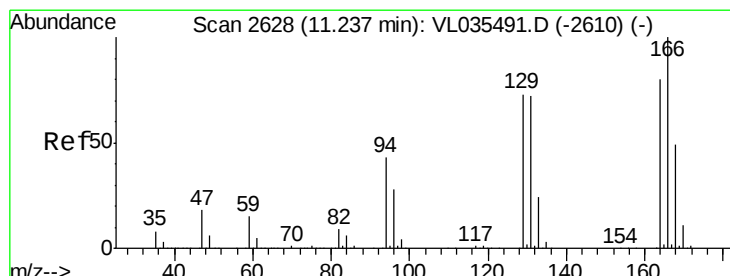
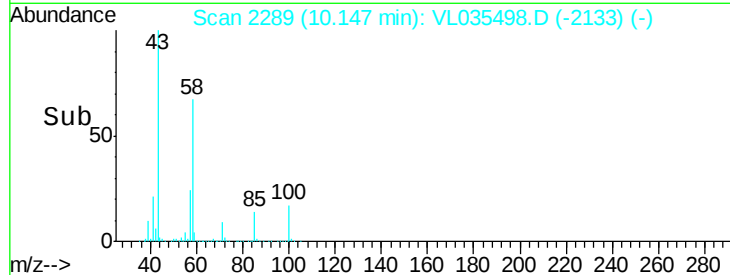
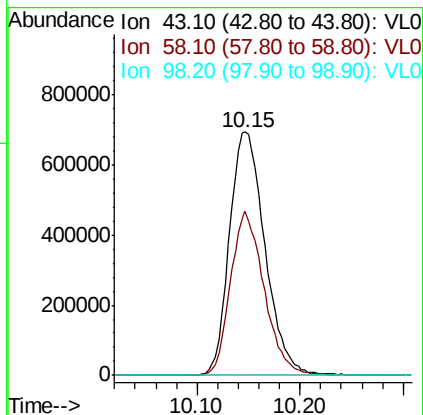
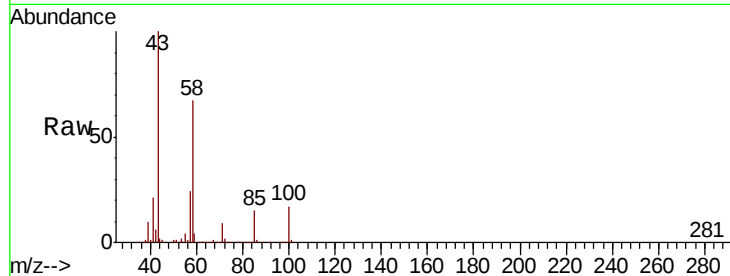




#51
2-Hexanone
Concen: 10.457 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL035498.D
Acq: 23 Aug 2020 12:43

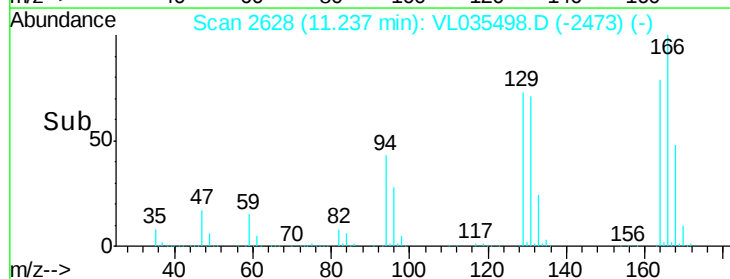
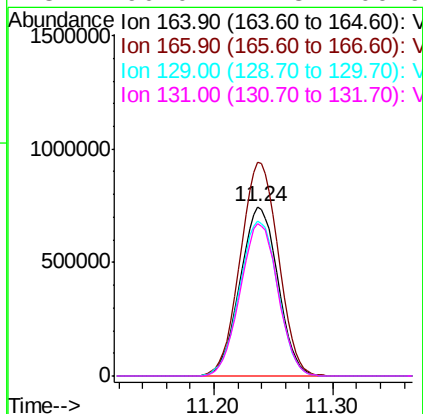
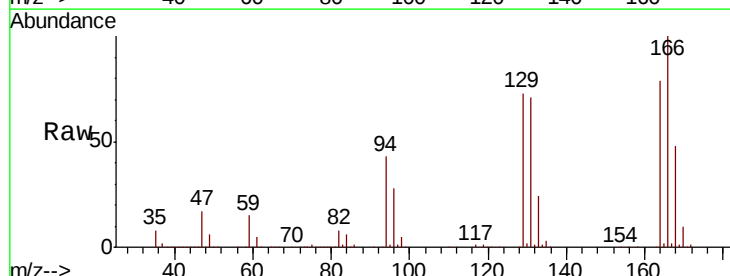
Instrument :
MSVOA_L
ClientSampleId :
ICVVL082320

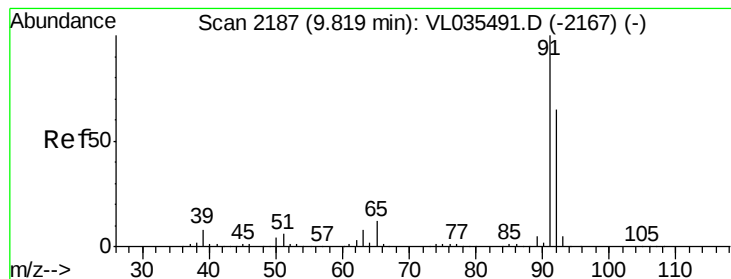
Tot Ion: 43 Resp: 1663876
Ion Ratio Lower Upper
43 100
58 64.2 50.3 75.5
98 0.4 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.323 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.00 min
Lab File: VL035498.D
Acq: 23 Aug 2020 12:43

Tgt Ion: 164 Resp: 1643864
Ion Ratio Lower Upper
164 100
166 126.4 99.6 149.4
129 91.7 72.8 109.2
131 90.0 71.3 106.9





#53

Toluene

Concen: 9.735 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

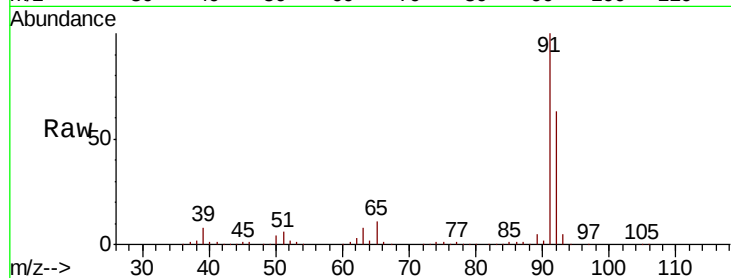
ICVVL082320

Tot Ion: 91 Resp: 3730040

Ion Ratio Lower Upper

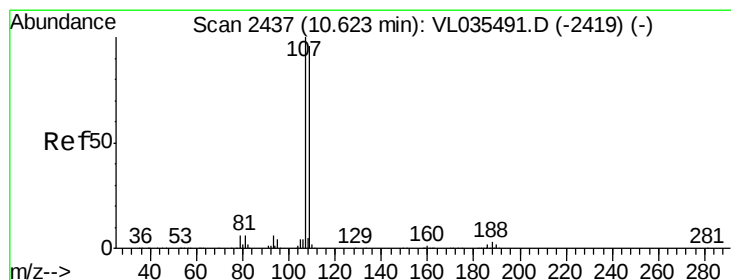
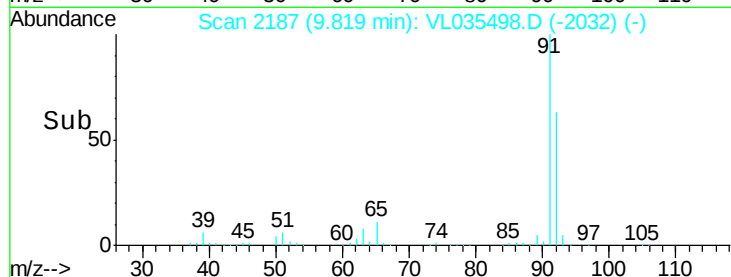
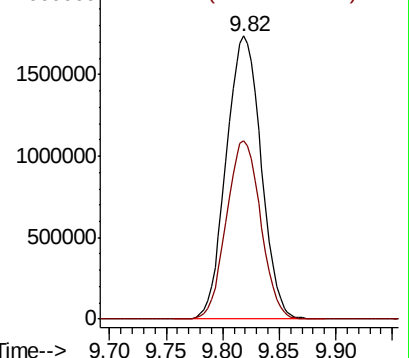
91 100

92 62.2 49.9 74.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.590 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VL035498.D

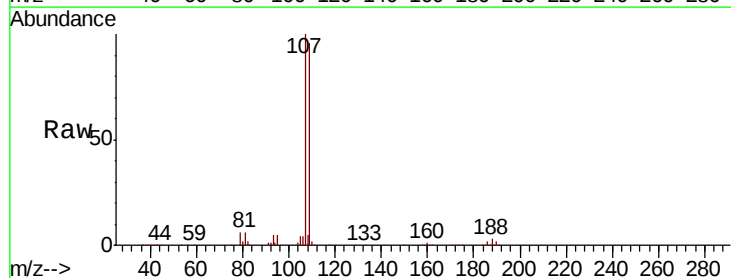
Acq: 23 Aug 2020 12:43

Tgt Ion:107 Resp: 2311546

Ion Ratio Lower Upper

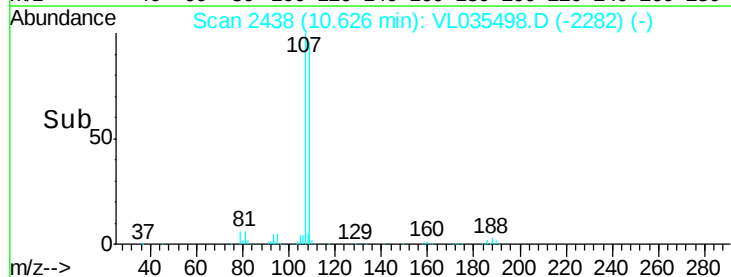
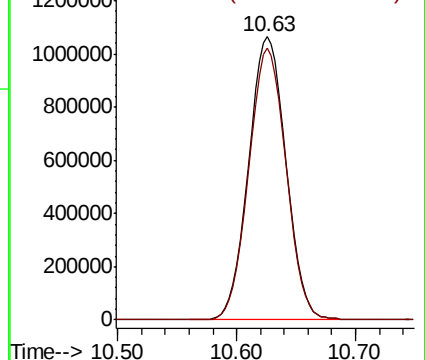
107 100

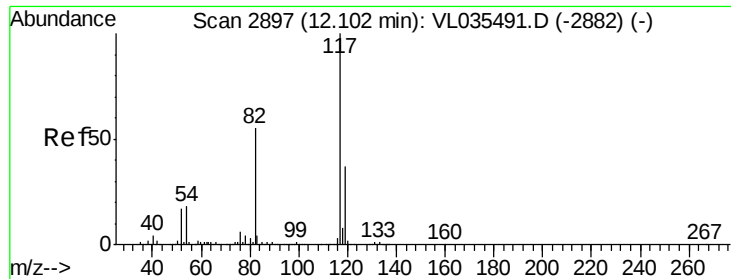
109 95.9 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

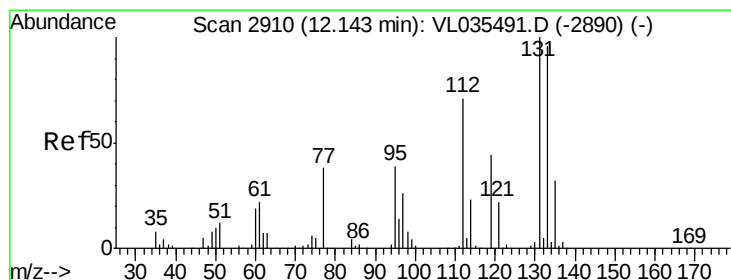
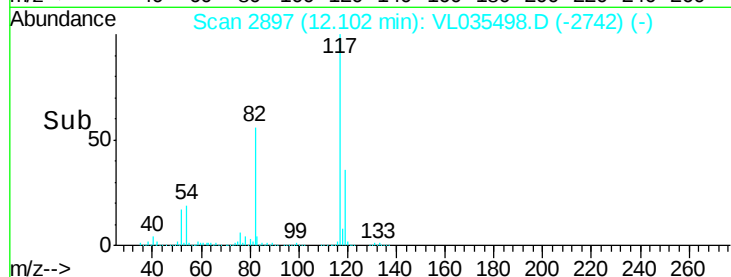
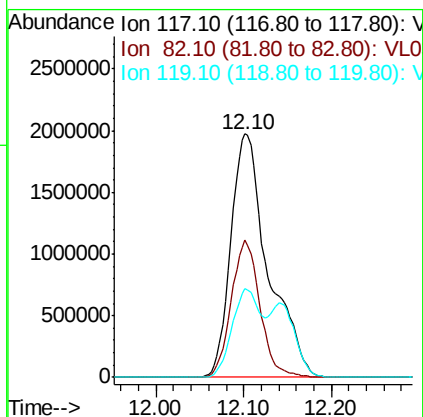
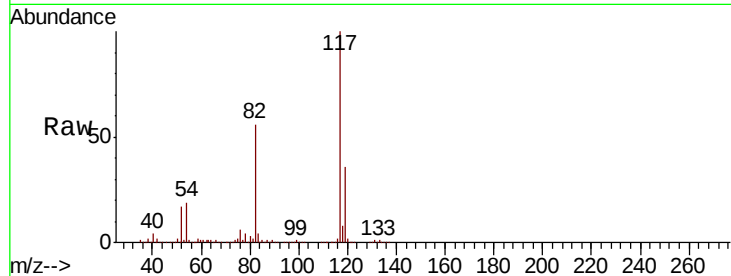




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VL035498.D
Acq: 23 Aug 2020 12:43

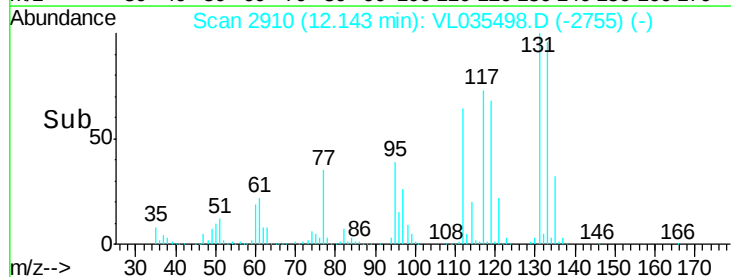
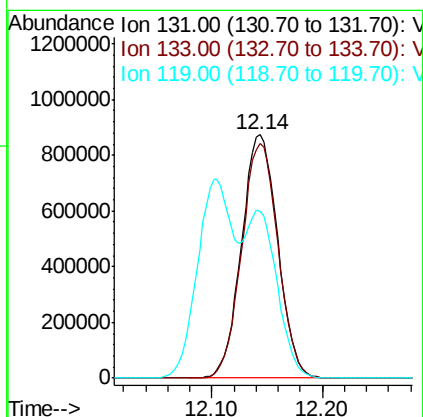
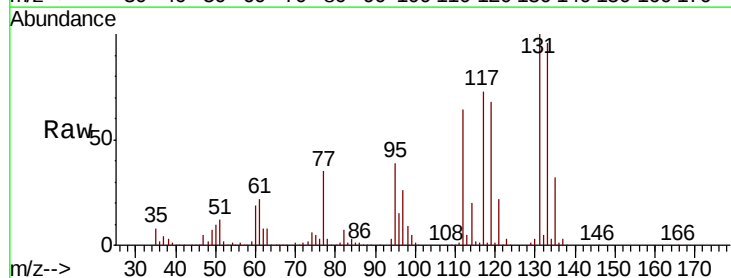
Instrument :
MSVOA_L
ClientSampleId :
ICVVL082320

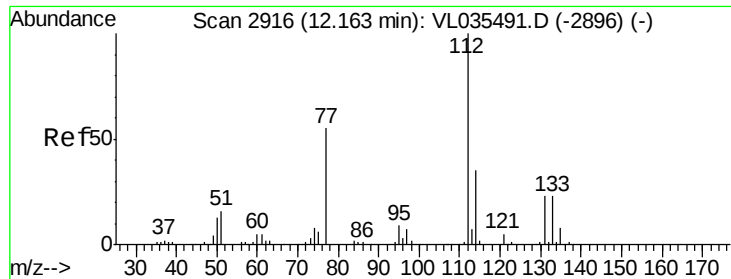
Tot Ion:117 Resp: 5848134
Ion Ratio Lower Upper
117 100
82 43.3 43.9 65.9#
119 30.9 30.4 45.6



#56
1,1,1,2-Tetrachloroethane
Concen: 8.020 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.00 min
Lab File: VL035498.D
Acq: 23 Aug 2020 12:43

Tgt Ion:131 Resp: 1987655
Ion Ratio Lower Upper
131 100
133 96.7 76.9 115.3
119 58.4 45.3 67.9

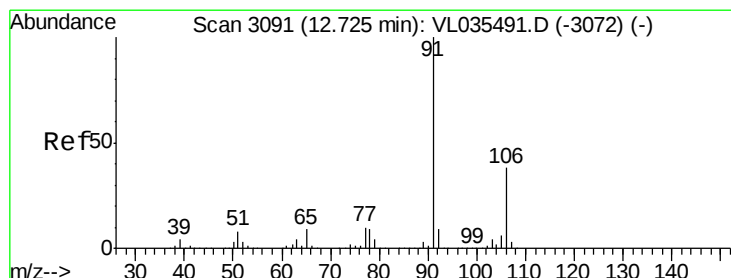
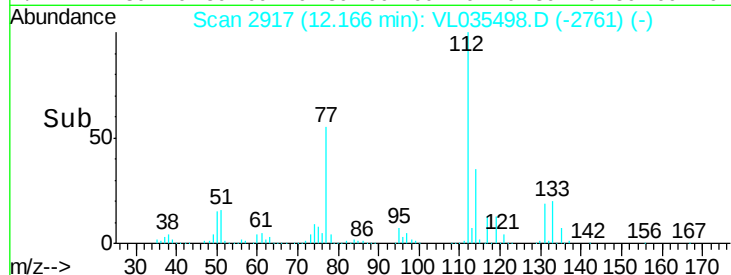
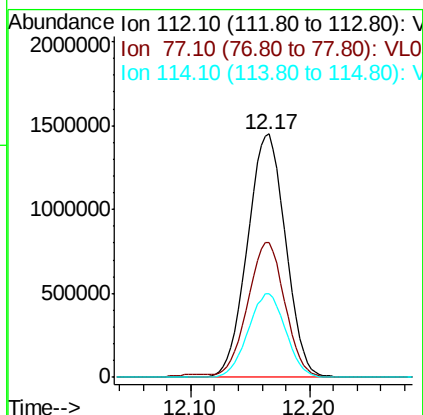
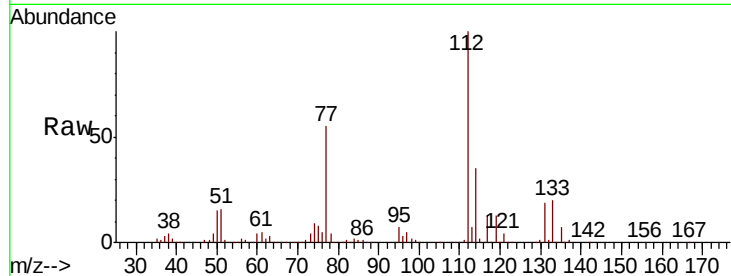




#57
Chlorobenzene
Concen: 7.306 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.00 min
Lab File: VL035498.D
Acq: 23 Aug 2020 12:43

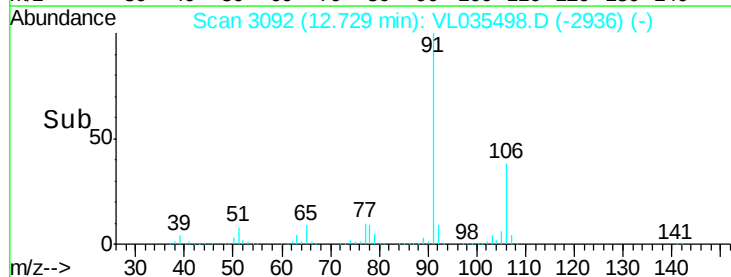
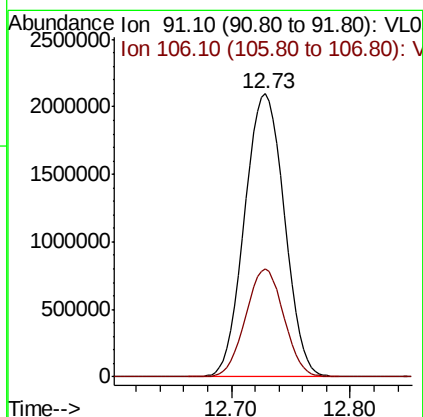
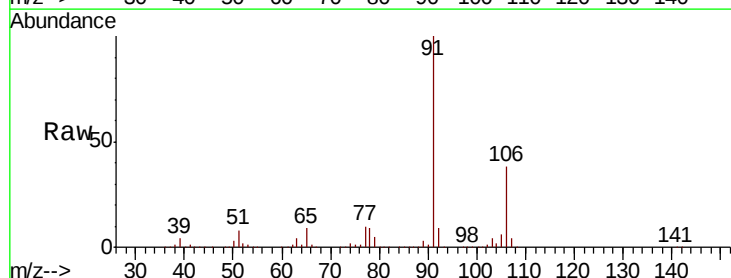
Instrument :
MSVOA_L
ClientSampleId :
ICVVL082320

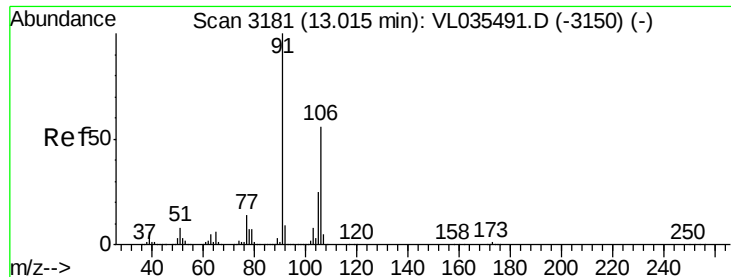
Tot Ion:112 Resp: 3217620
Ion Ratio Lower Upper
112 100
77 55.2 45.2 67.8
114 34.6 31.6 38.6



#58
Ethyl Benzene
Concen: 7.749 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. 0.00 min
Lab File: VL035498.D
Acq: 23 Aug 2020 12:43

Tgt Ion: 91 Resp: 4865410
Ion Ratio Lower Upper
91 100
106 38.1 30.2 45.2

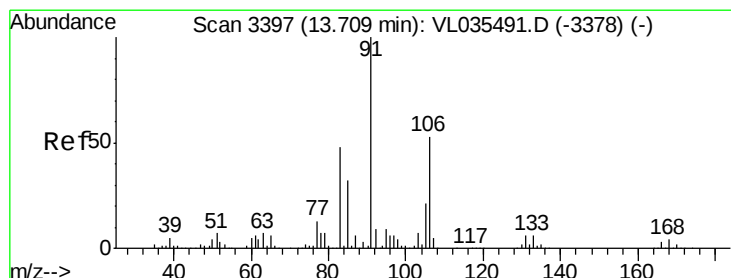
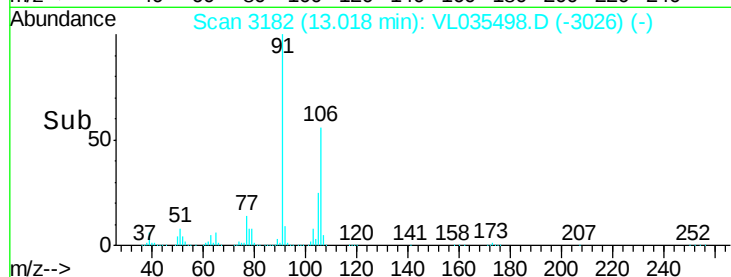
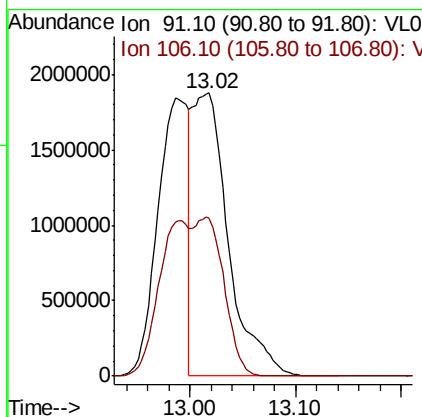
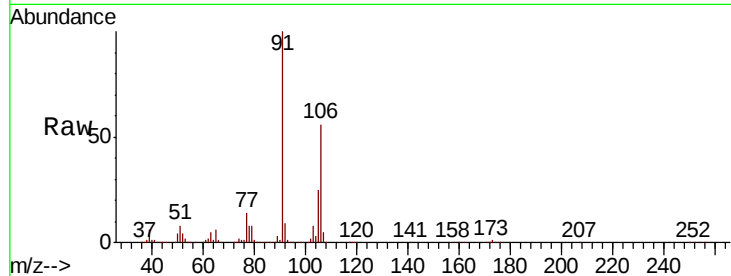




#59
m/p-Xylene
Concen: 8.303 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. 0.00 min
Lab File: VL035498.D
Acq: 23 Aug 2020 12:43

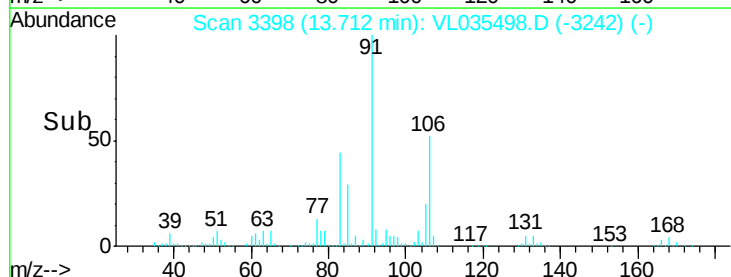
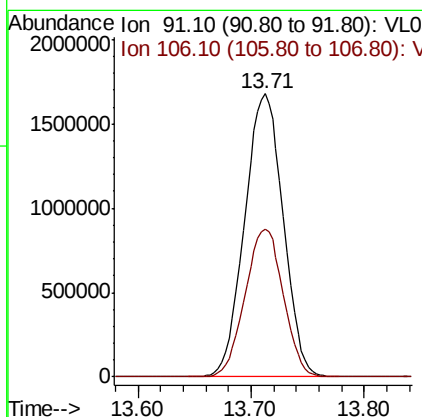
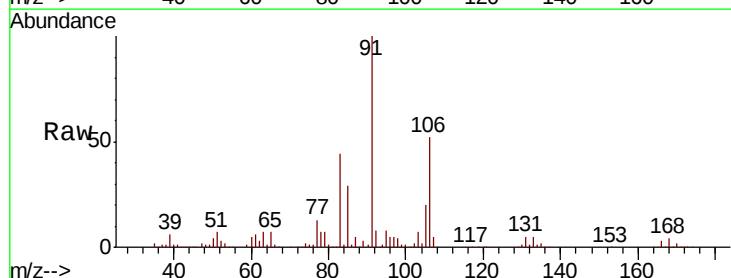
Instrument :
MSVOA_L
ClientSampleId :
ICVVL082320

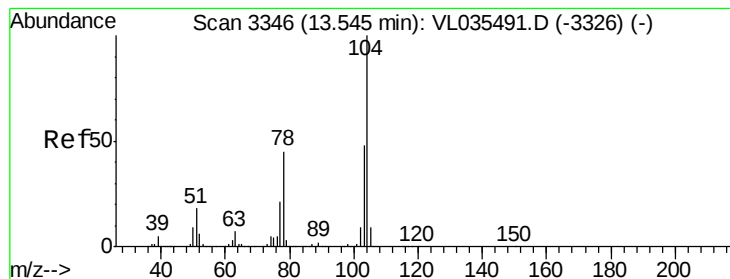
Tot Ion: 91 Resp: 4437063
Ion Ratio Lower Upper
91 100
106 95.2 42.6 63.8#



#60
o-Xylene
Concen: 7.583 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VL035498.D
Acq: 23 Aug 2020 12:43

Tgt Ion: 91 Resp: 3977971
Ion Ratio Lower Upper
91 100
106 51.8 25.9 77.7





#61

Stvrene

Concen: 8.215 ppbv

RT: 13.55 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082320

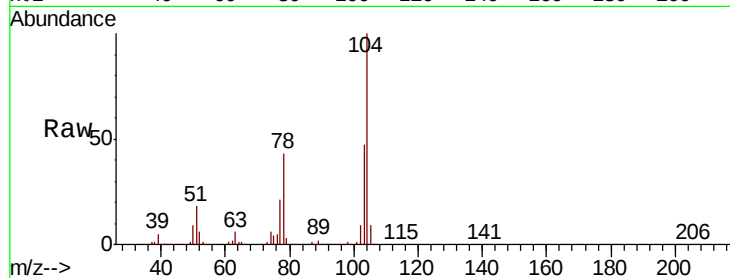
Tot Ion:104 Resp: 3321993

Ion Ratio Lower Upper

104 100

78 43.1 34.7 52.1

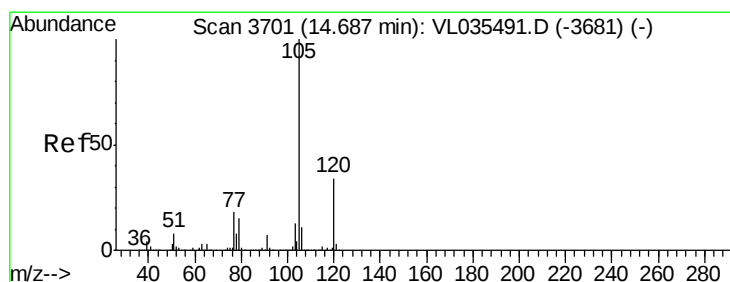
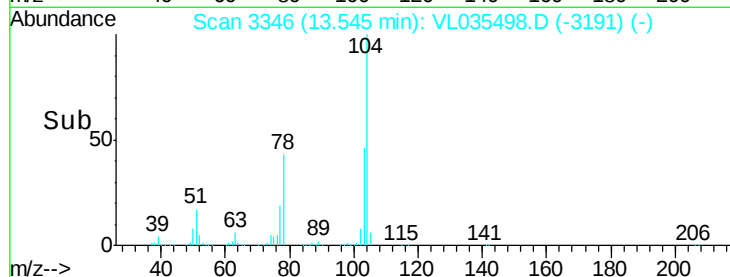
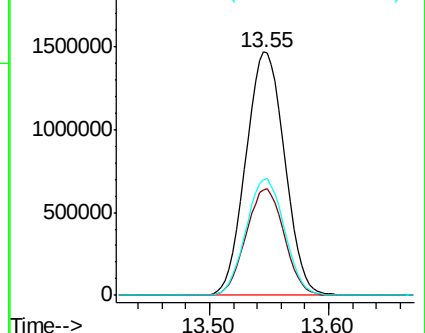
103 47.6 38.2 57.2



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: 7.351 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.00 min

Lab File: VL035498.D

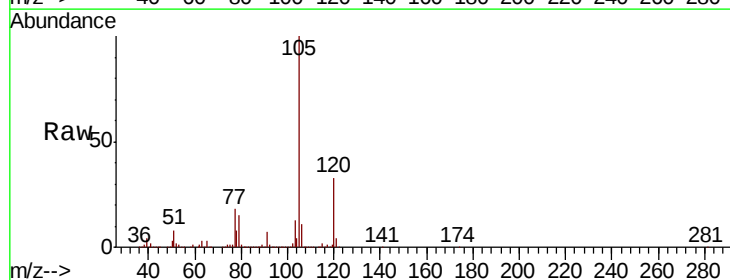
Acq: 23 Aug 2020 12:43

Tgt Ion:105 Resp: 6246660

Ion Ratio Lower Upper

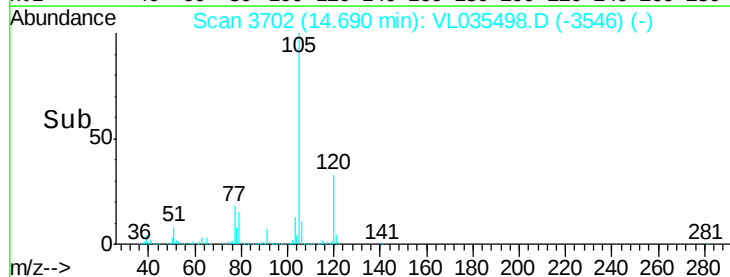
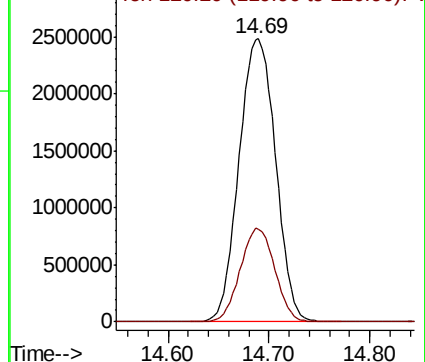
105 100

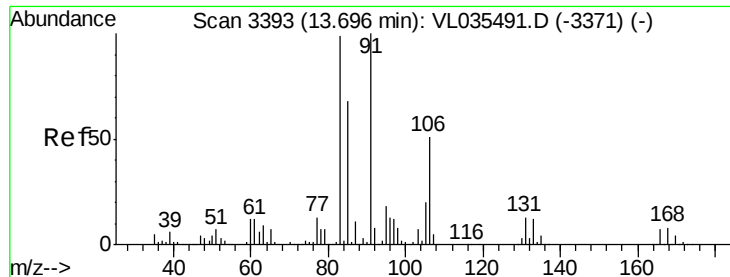
120 31.2 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

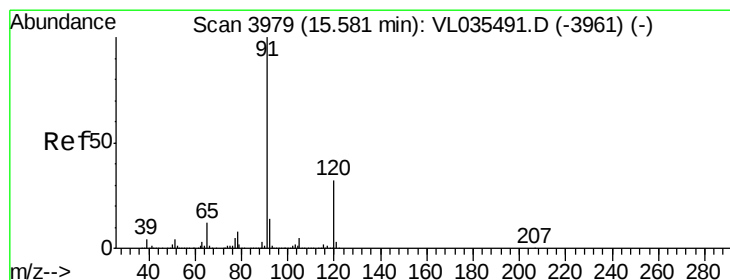
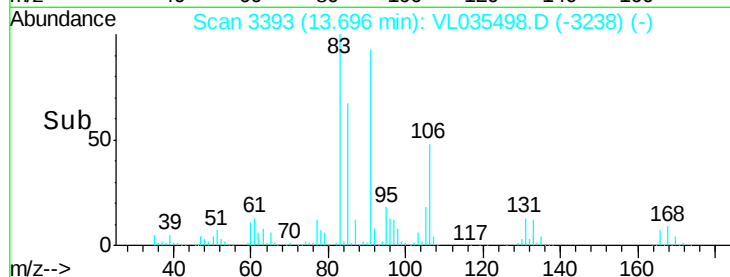
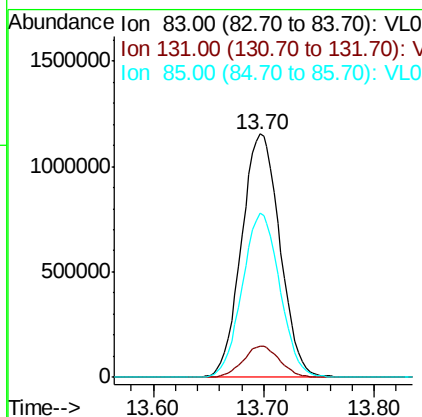
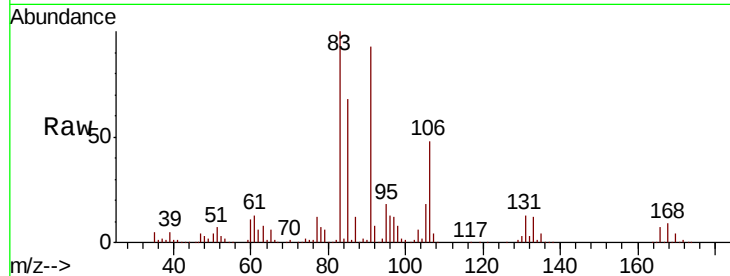




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.292 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. -0.00 min
 Lab File: VL035498.D
 Acq: 23 Aug 2020 12:43

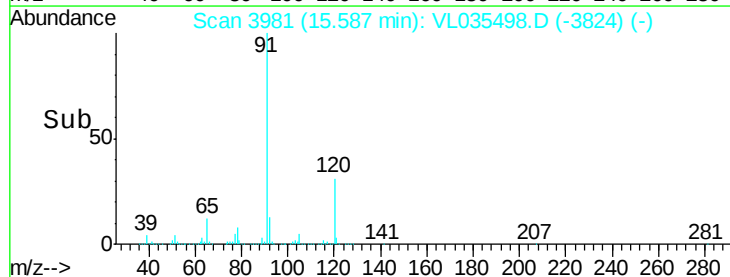
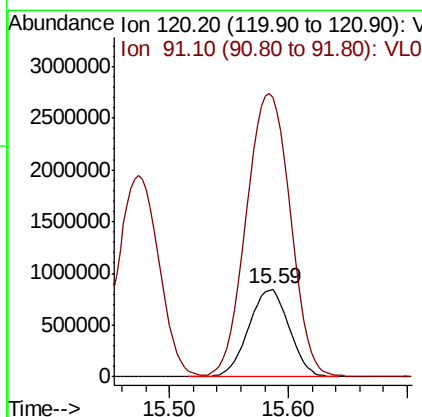
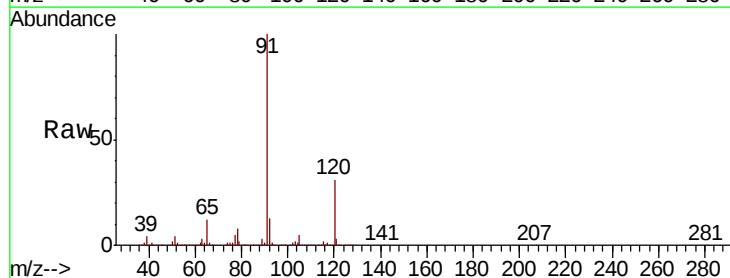
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082320

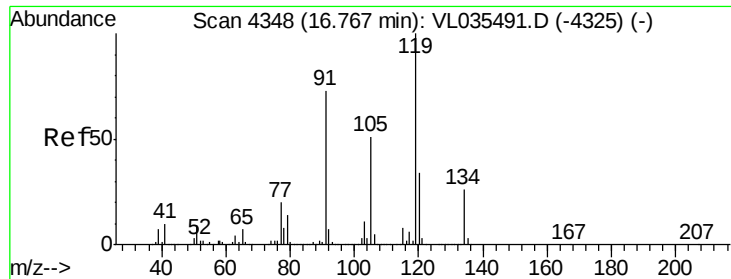
Tot Ion: 83 Resp: 2783831
 Ion Ratio Lower Upper
 83 100
 131 12.3 6.2 18.4
 85 66.2 33.4 100.2



#64
 n-propylbenzene
 Concen: 7.755 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. 0.01 min
 Lab File: VL035498.D
 Acq: 23 Aug 2020 12:43

Tgt Ion: 120 Resp: 2002887
 Ion Ratio Lower Upper
 120 100
 91 351.1 280.3 420.5

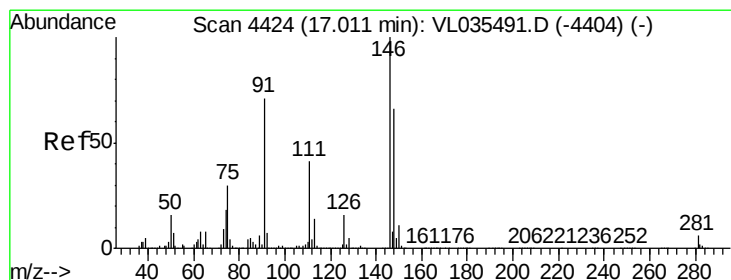
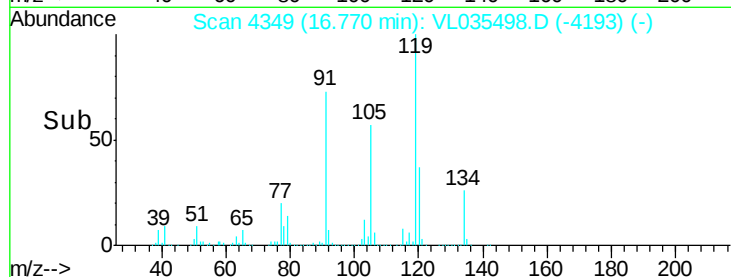
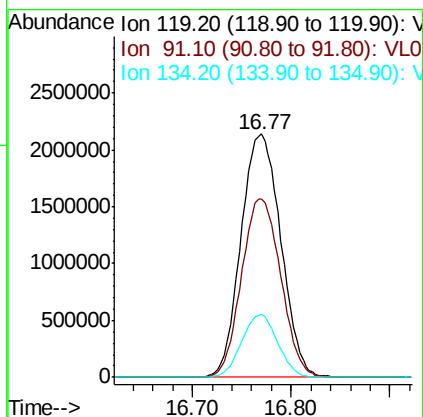
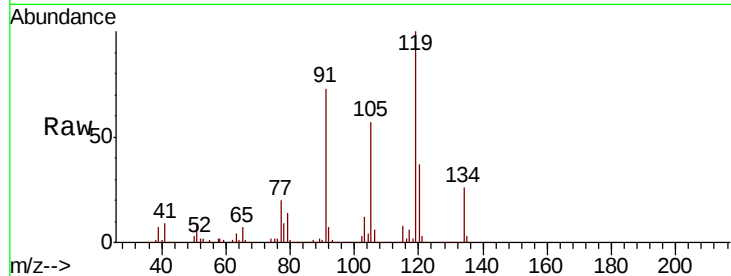




#65
tert-Butylbenzene
Concen: 7.391 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. 0.00 min
Lab File: VL035498.D
Acq: 23 Aug 2020 12:43

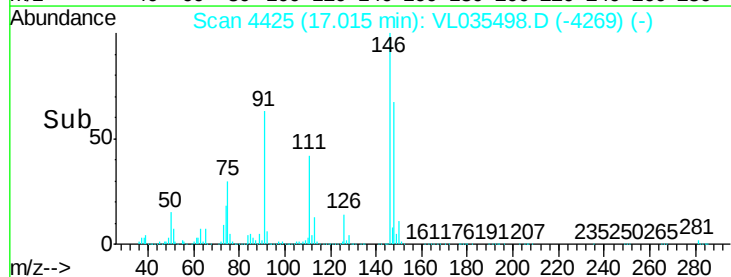
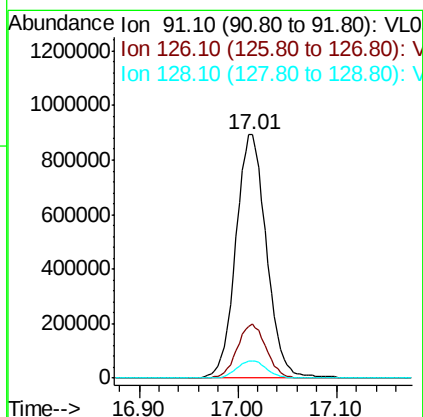
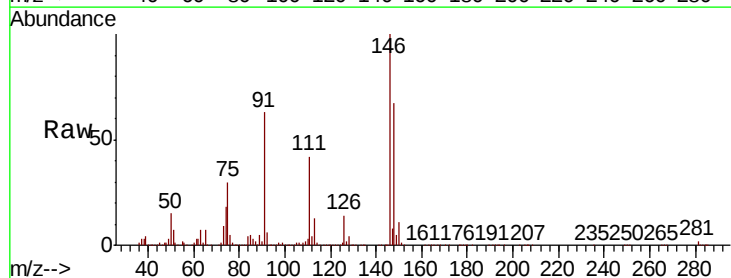
Instrument :
MSVOA_L
ClientSampleId :
ICVVL082320

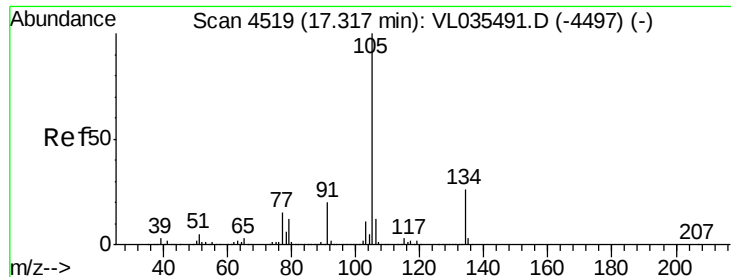
Tot Ion:119 Resp: 5969438
Ion Ratio Lower Upper
119 100
91 72.3 57.8 86.8
134 23.5 18.8 28.2



#66
Benzyl Chloride
Concen: 9.694 ppbv
RT: 17.01 min Scan# 4425
Delta R.T. 0.00 min
Lab File: VL035498.D
Acq: 23 Aug 2020 12:43

Tgt Ion: 91 Resp: 1917369
Ion Ratio Lower Upper
91 100
126 21.2 17.3 25.9
128 6.9 5.6 8.4





#67

sec-Butylbenzene

Concen: 7.193 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. 0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

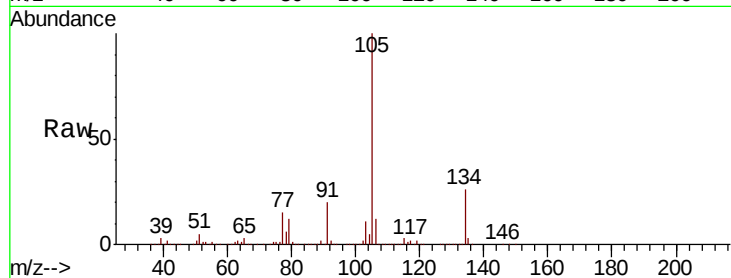
ICVVL082320

Tot Ion:105 Resp: 7719276

Ion Ratio Lower Upper

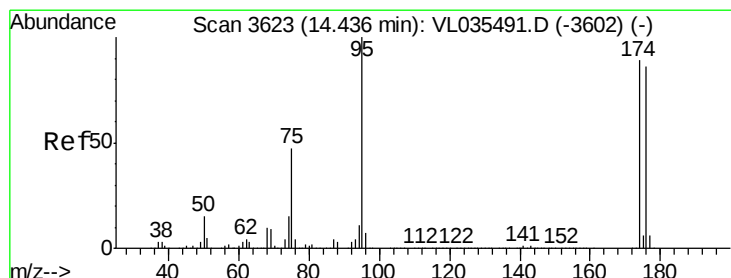
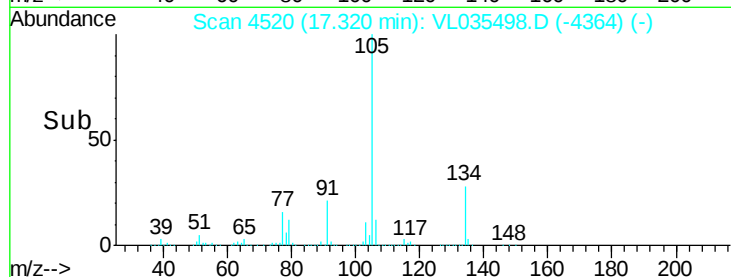
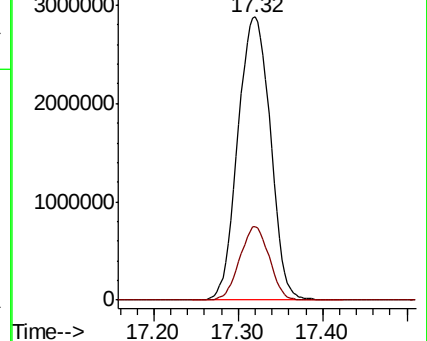
105 100

134 23.8 19.1 28.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.068 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

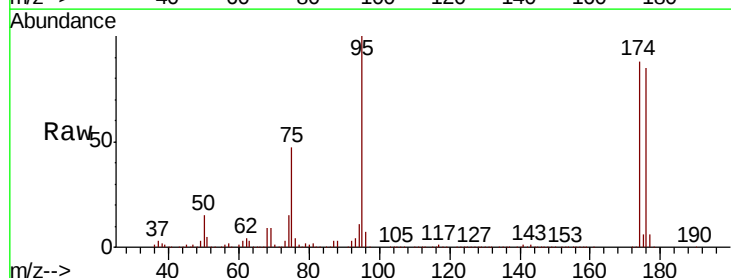
Tgt Ion: 95 Resp: 3371902

Ion Ratio Lower Upper

95 100

174 88.9 70.9 106.3

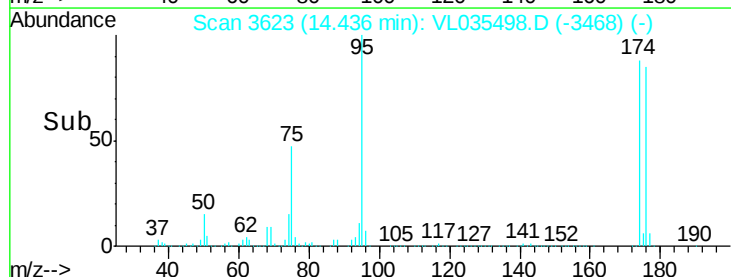
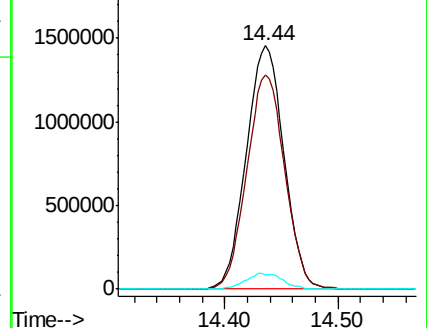
175 6.5 5.1 7.7

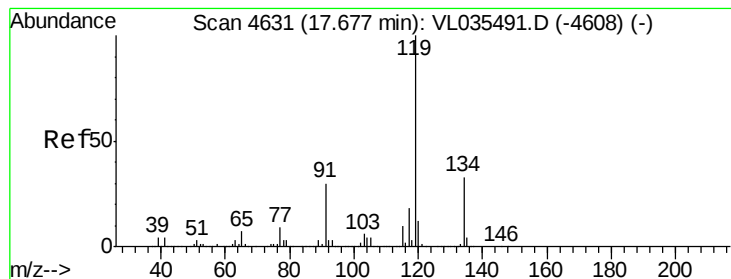


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.331 ppbv

RT: 17.68 min Scan# 4631

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082320

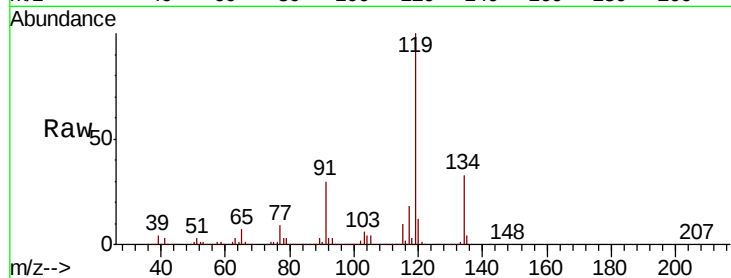
Tot Ion:119 Resp: 6856484

Ion Ratio Lower Upper

119 100

134 31.2 24.9 37.3

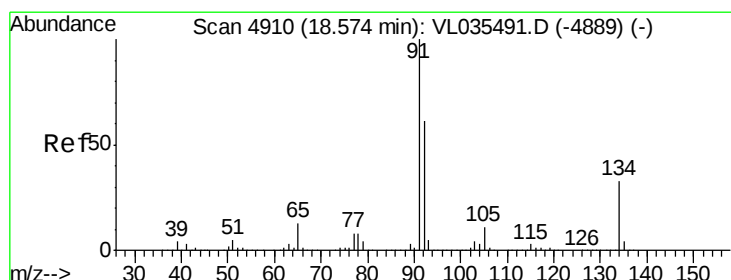
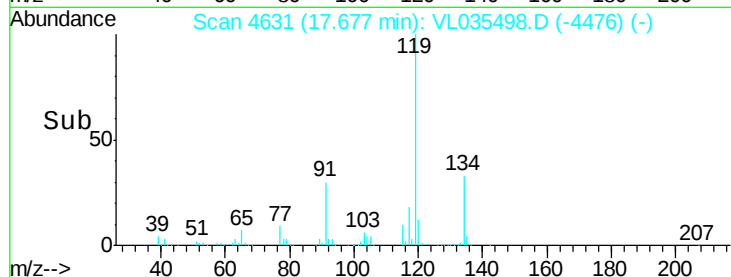
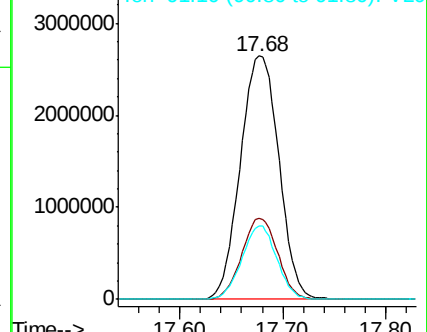
91 27.5 22.0 33.0



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: 7.296 ppbv

RT: 18.58 min Scan# 4911

Delta R.T. 0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

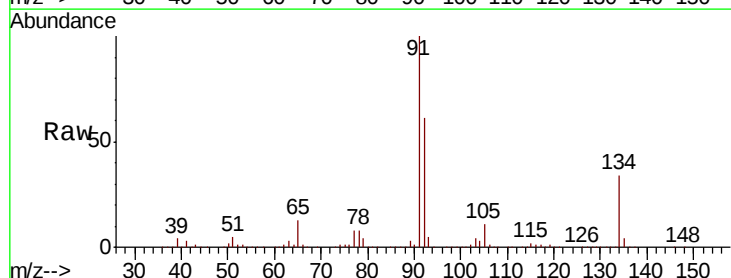
Tgt Ion: 91 Resp: 6542266

Ion Ratio Lower Upper

91 100

92 58.6 47.0 70.6

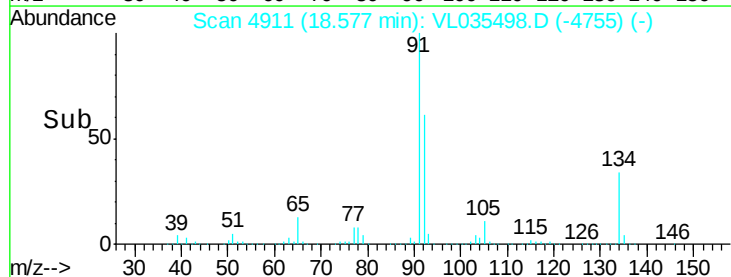
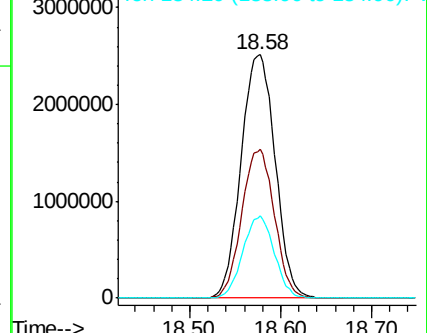
134 31.1 24.9 37.3

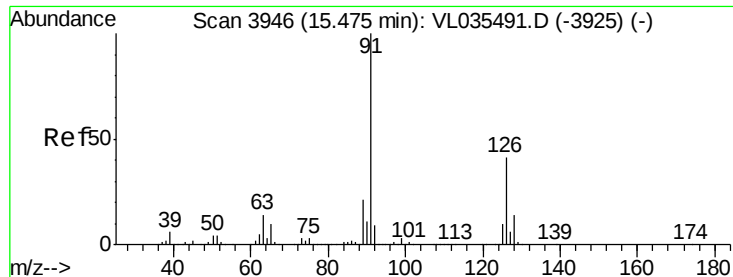


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.658 ppbv

RT: 15.47 min Scan# 3946

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

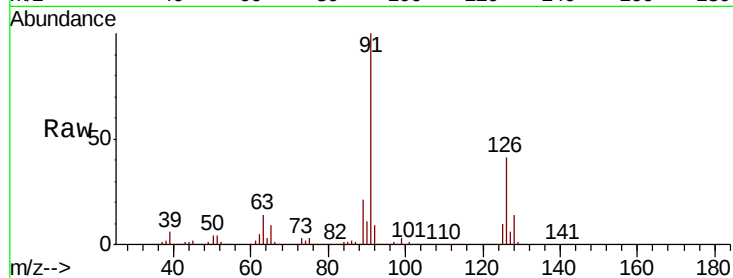
ICVVL082320

Tot Ion: 91 Resp: 4701188

Ion Ratio Lower Upper

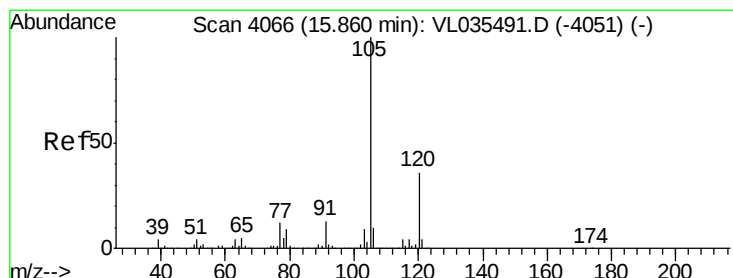
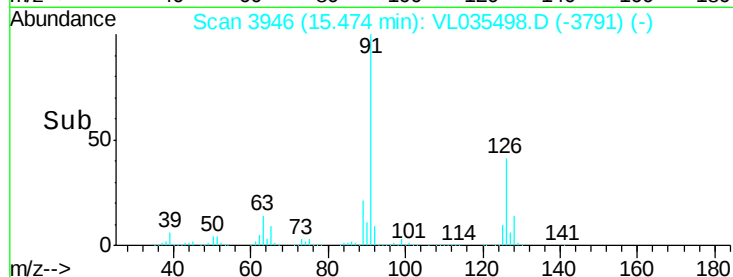
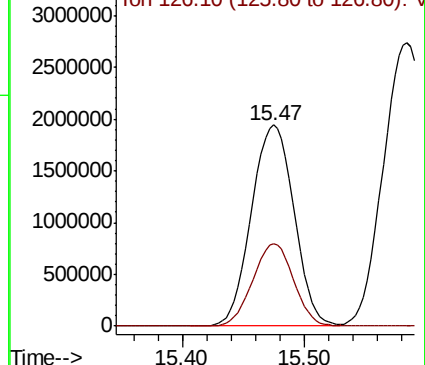
91 100

126 39.4 15.8 63.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.711 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. 0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Tgt Ion:105 Resp: 5163828

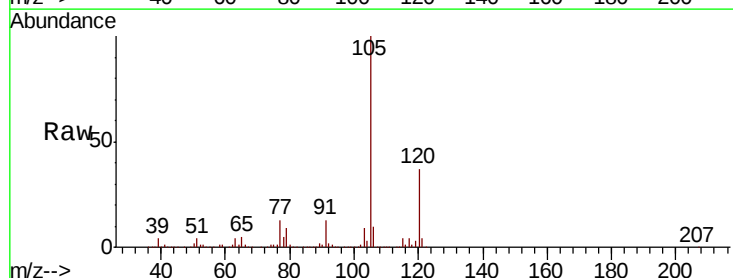
Ion Ratio Lower Upper

105 100

120 34.6 27.4 41.0

91 11.9 9.5 14.3

77 11.9 9.4 14.2

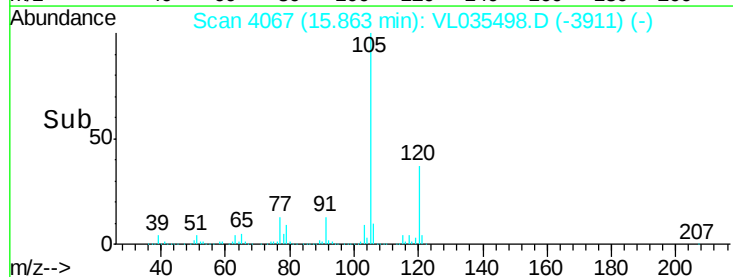
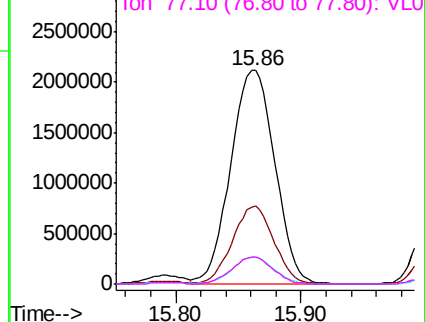


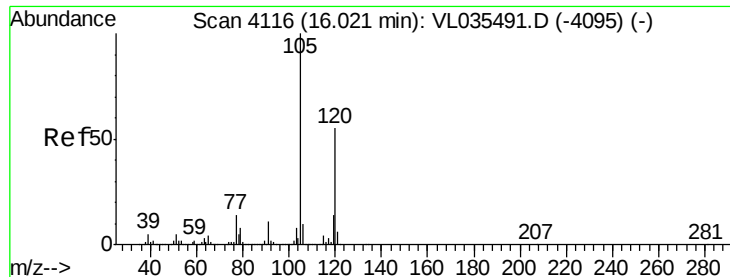
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 7.761 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

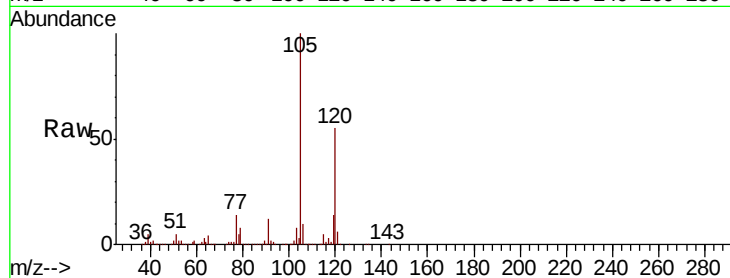
ICVVL082320

Tot Ion:105 Resp: 4814360

Ion Ratio Lower Upper

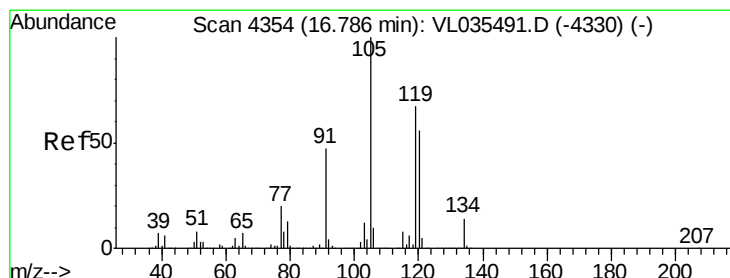
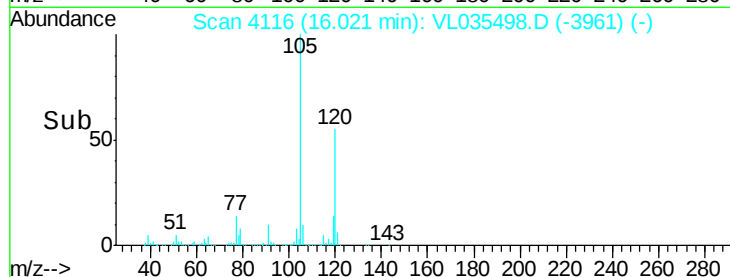
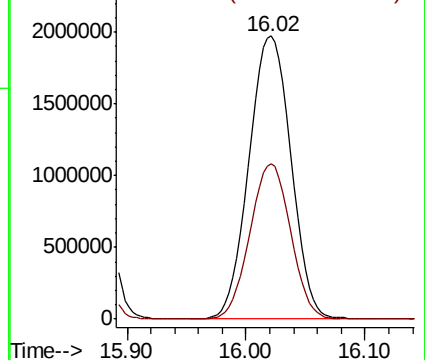
105 100

120 55.1 43.9 65.9



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: 7.319 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Tgt Ion:105 Resp: 4973219

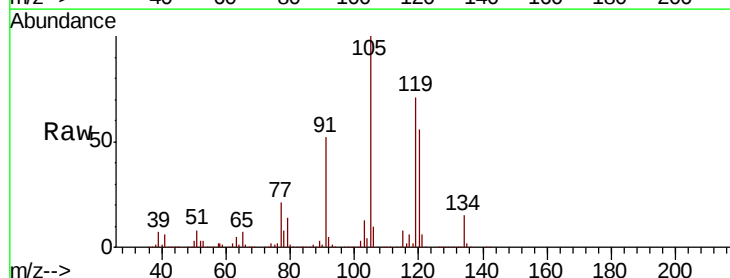
Ion Ratio Lower Upper

105 100

120 56.0 44.7 67.1

91 51.5 37.5 56.3

77 20.6 16.2 24.2

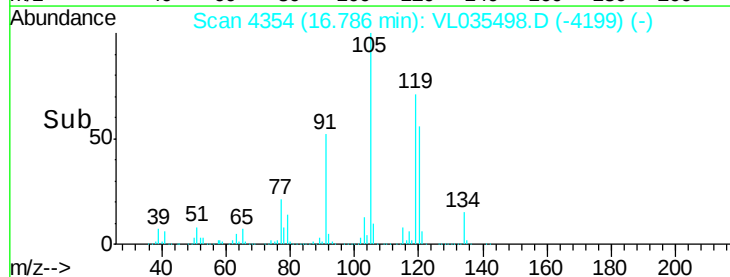
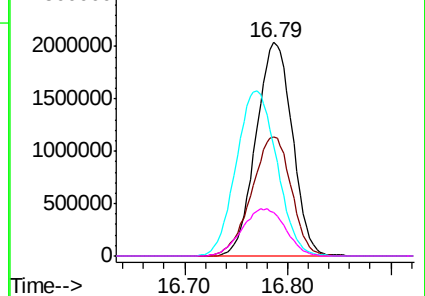


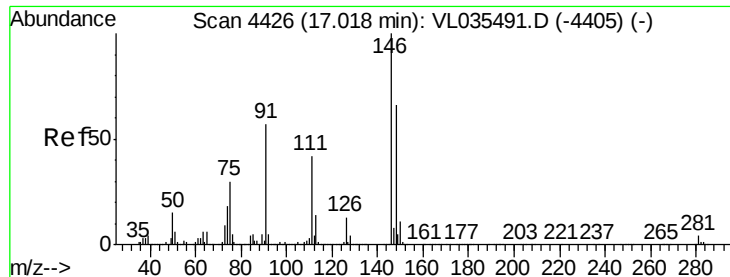
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.295 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. 0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

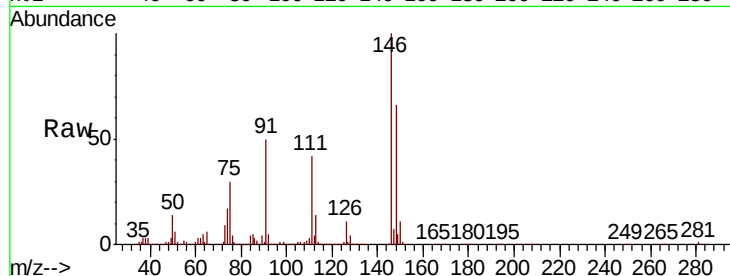
MSVOA_L

ClientSampleId :

ICVVL082320

Tot Ion:146 Resp: 3716161

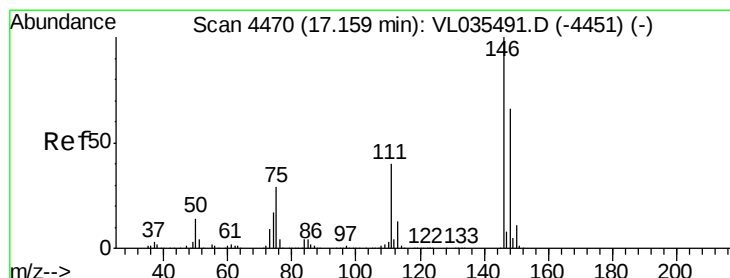
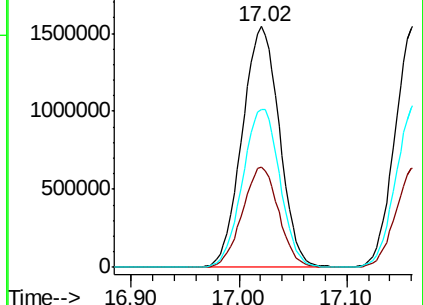
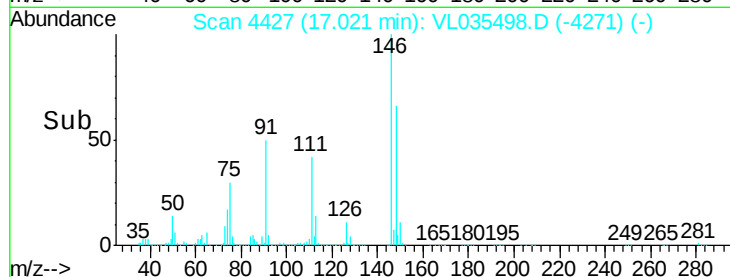
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	61.0
148	65.8	33.1	99.5



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



#76

1,4-Dichlorobenzene

Concen: 7.335 ppbv

RT: 17.16 min Scan# 4471

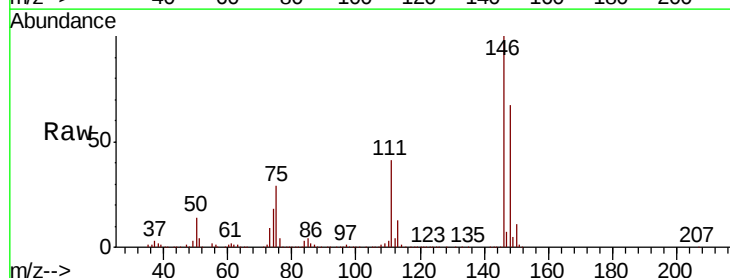
Delta R.T. 0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Tgt Ion:146 Resp: 3740707

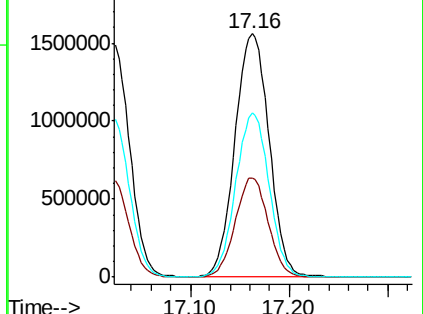
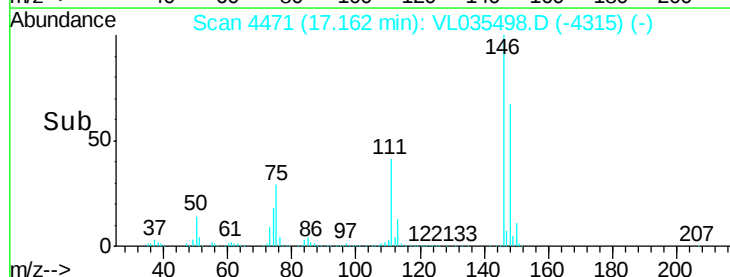
Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.8
148	66.3	32.8	98.3

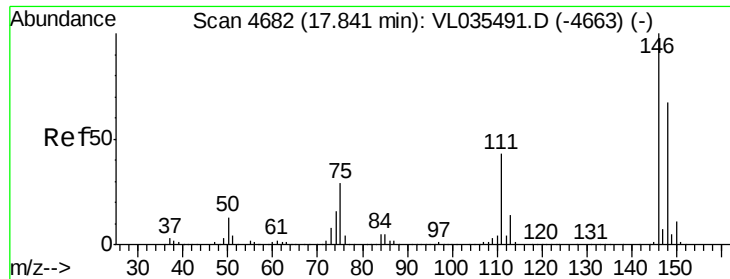


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.291 ppbv

RT: 17.84 min Scan# 4682

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082320

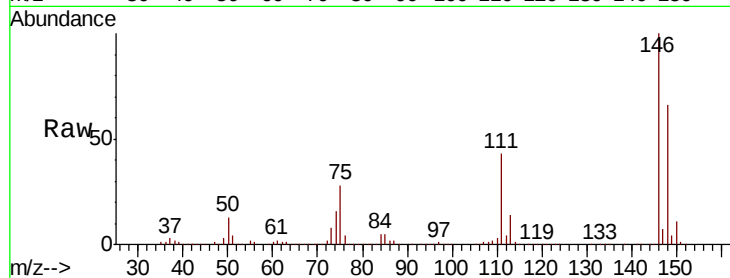
Tot Ion:146 Resp: 3663676

Ion Ratio Lower Upper

146 100

111 42.0 21.0 63.0

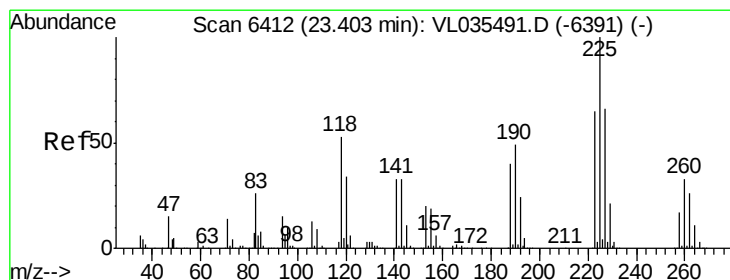
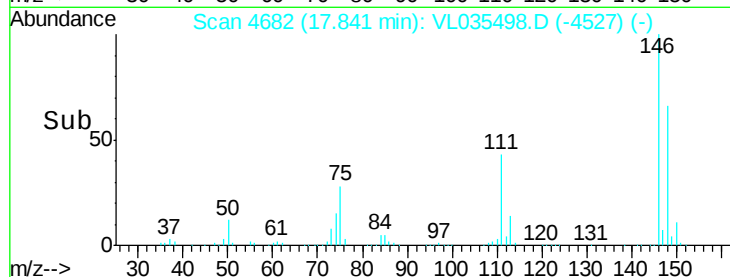
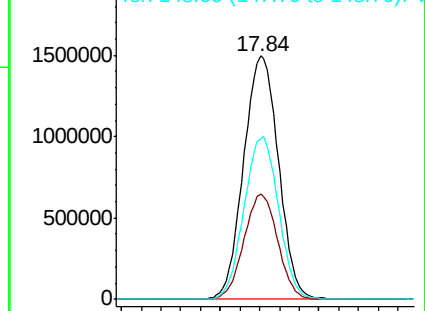
148 66.0 33.0 98.9



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: 6.965 ppbv

RT: 23.40 min Scan# 6412

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

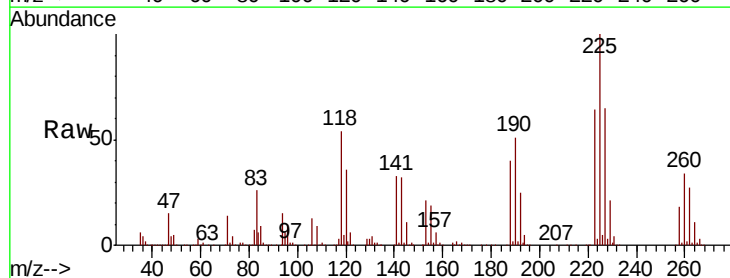
Tgt Ion:225 Resp: 2428978

Ion Ratio Lower Upper

225 100

223 64.3 51.4 77.2

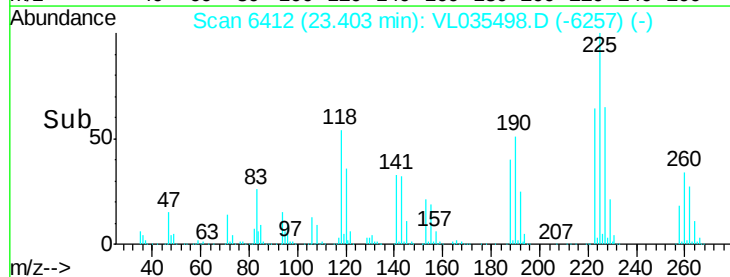
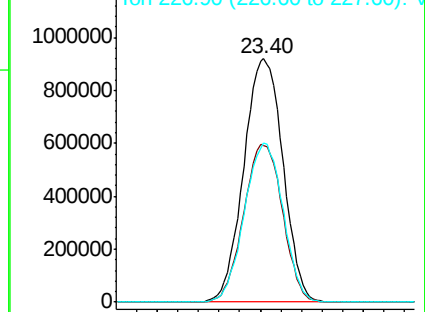
227 64.4 51.7 77.5

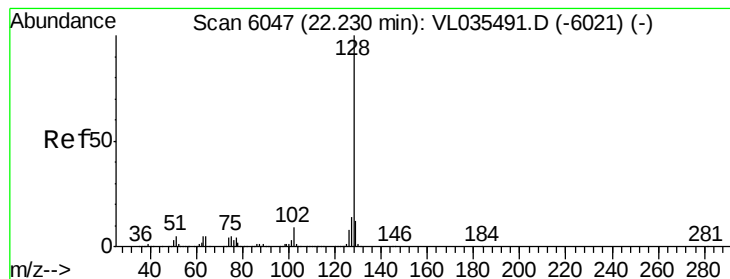


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.345 ppbv

RT: 22.23 min Scan# 6047

Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

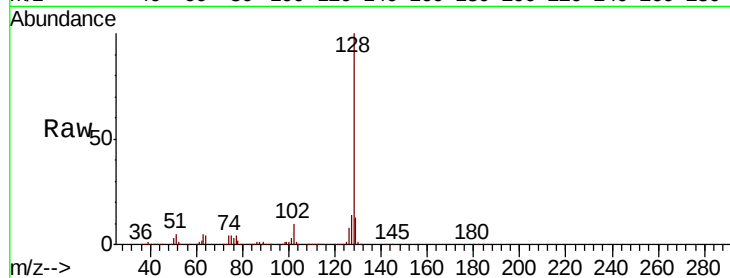
MSVOA_L

ClientSampleId :

ICVVL082320

Tot Ion:128 Resp: 6277696

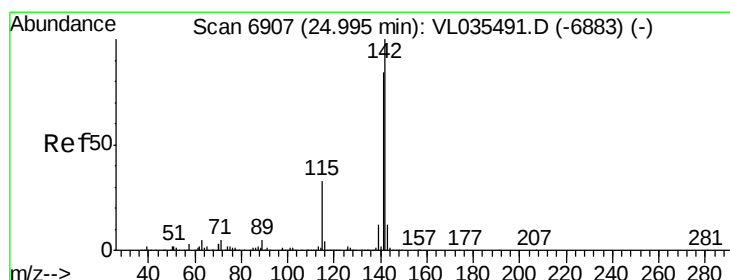
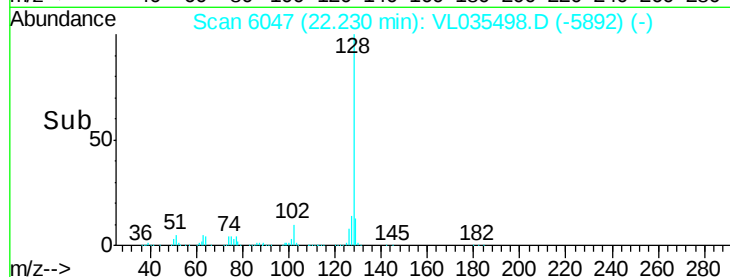
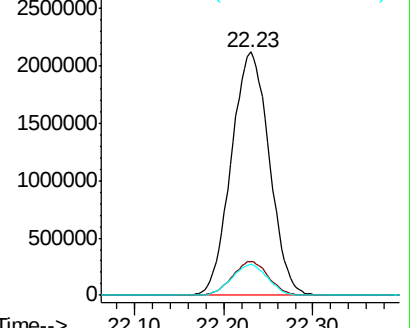
Ion	Ratio	Lower	Upper
128	100		
127	14.0	11.4	17.0
129	12.8	9.8	14.6



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: 7.320 ppbv

RT: 24.99 min Scan# 6907

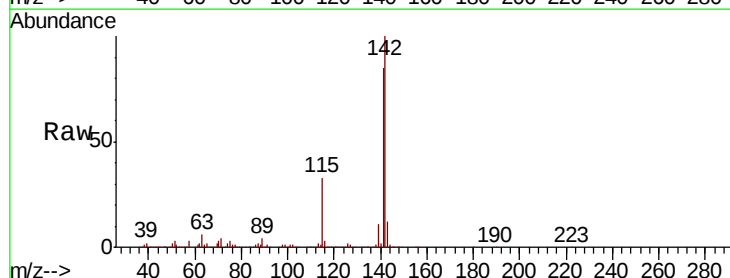
Delta R.T. -0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Tgt Ion:142 Resp: 2504488

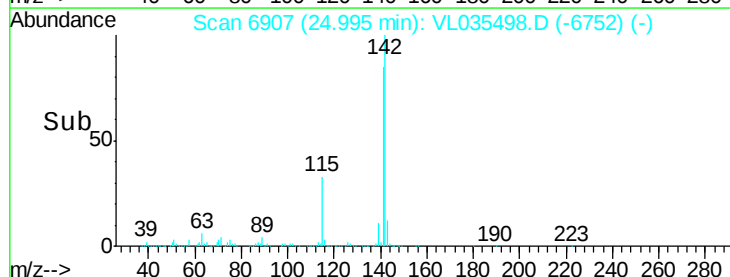
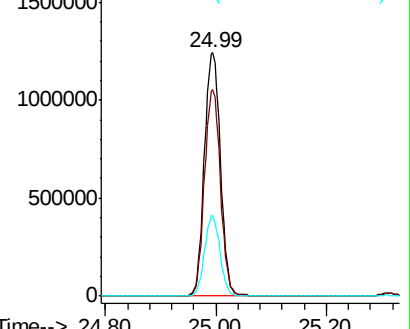
Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.1	100.7
115	31.6	25.6	38.4

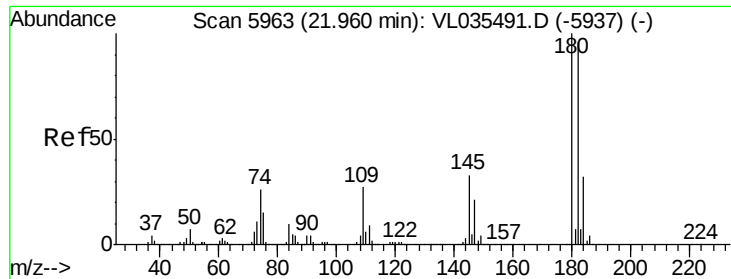


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 7.263 ppbv

RT: 21.96 min Scan# 5964

Delta R.T. 0.00 min

Lab File: VL035498.D

Acq: 23 Aug 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082320

Tot Ion:180 Resp: 3649944

Ion Ratio Lower Upper

180 100

182 96.0 76.6 115.0

184 31.7 25.4 38.0

