

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035145.D
 Acq On : 6 Jul 2020 13:01
 Operator : SY/AP
 Sample : VL0706ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Quant Time: Jul 07 05:03:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1164932	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2783010	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3400482	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2289508	8.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1290183	8.202	ppbv	100
3) Chlorodifluoromethane	2.94	51	1268421	9.857	ppbv	98
4) Chloromethane	3.10	50	708619	9.823	ppbv	98
5) Vinyl Chloride	3.21	62	720059	10.496	ppbv	98
6) Bromomethane	3.43	94	456575	10.718	ppbv	92
7) Chloroethane	3.52	64	275715	10.658	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1682149	9.974	ppbv	98
9) Propene	2.97	41	506582	9.941	ppbv	100
10) Heptane	8.13	43	1466225	11.103	ppbv	100
11) Trichlorofluoromethane	3.92	101	1814271	10.796	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1292571	11.123	ppbv	100
13) Ethanol	3.57	45	143162	7.437	ppbv	99
14) Bromoethene	3.70	108	555741	11.095	ppbv	99
15) Acetone	3.82	43	1377807	9.783	ppbv	100
16) 1,3-Butadiene	3.29	39	656781	10.632	ppbv	98
17) tert-Butyl alcohol	4.26	59	1508420	12.085	ppbv	100
18) 1,1-Dichloroethene	4.26	96	598440	11.419	ppbv	98
19) Isopropyl Alcohol	3.94	45	994551	10.875	ppbv	100
20) Methylene Chloride	4.32	84	529703	9.293	ppbv	90
21) Allyl Chloride	4.38	41	957352	11.437	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	591035	12.054	ppbv	96
23) Vinyl Acetate	5.05	43	1915919	11.207	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1488437	10.327	ppbv	100
25) Ethyl Acetate	5.66	43	2546718	10.019	ppbv	100
26) Hexane	5.67	57	1151233	10.046	ppbv	98
27) Carbon Disulfide	4.52	76	1578745	13.312	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1785032	11.086	ppbv	100
29) Chloroform	5.74	83	1827259	10.189	ppbv	98
30) Cyclohexane	7.13	84	952411	11.580	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1154597	10.930	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1804876	10.851	ppbv	99
34) 2-Butanone	5.23	43	1618123	10.125	ppbv	100
35) Carbon Tetrachloride	7.02	117	1862872	11.161	ppbv	98
36) Benzene	6.89	78	2254946	10.464	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1410307	10.355	ppbv	99
38) Trichloroethene	7.84	130	897316	10.720	ppbv	98
39) 1,2-Dichloropropane	7.62	63	886772	10.521	ppbv	96
40) 1,4-Dioxane	7.84	88	340662	10.247	ppbv #	95
41) Tetrahydrofuran	6.04	42	873028	10.695	ppbv	99
42) Bromodichloromethane	7.80	83	1968667	11.161	ppbv	94
43) Methyl Methacrylate	8.02	69	1043572	11.440	ppbv	99

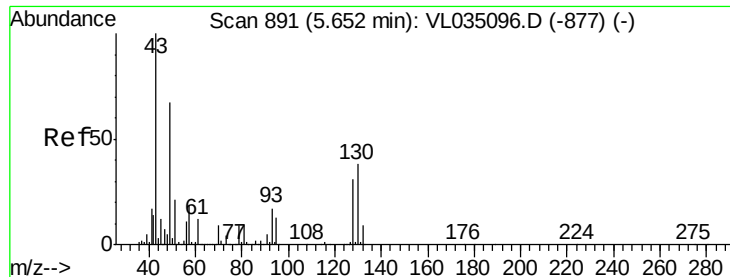
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
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 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3900753	10.371	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1167755	13.154	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1379945	12.513	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	953534	10.366	ppbv	97
48) Dibromochloromethane	10.33	129	1627929	11.871	ppbv	99
49) Bromoform	13.07	173	1404732	12.058	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2428812	10.696	ppbv	99
51) 2-Hexanone	10.15	43	1959122	11.017	ppbv	98
52) Tetrachloroethene	11.25	164	818367	10.777	ppbv	94
53) Toluene	9.82	91	2669318	11.613	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1461791	10.732	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1238515	8.900	ppbv #	61
57) Chlorobenzene	12.18	112	2051109	8.197	ppbv	98
58) Ethyl Benzene	12.74	91	3592185	9.402	ppbv	97
59) m/p-Xylene	13.02	91	3229415	9.538	ppbv #	41
60) o-Xylene	13.72	91	2960298	8.782	ppbv	100
61) Styrene	13.56	104	2109507	9.945	ppbv	100
62) Isopropylbenzene	14.70	105	4366295	8.680	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2075780	7.603	ppbv	99
64) n-propylbenzene	15.60	120	1134525	8.838	ppbv	96
65) tert-Butylbenzene	16.79	119	3785893	8.789	ppbv	100
66) Benzyl Chloride	17.03	91	1549941	11.648	ppbv	99
67) sec-Butylbenzene	17.34	105	5310508	8.602	ppbv	100
69) p-Isopropyltoluene	17.69	119	4399866	8.935	ppbv	100
70) n-Butylbenzene	18.59	91	4565767	8.607	ppbv	99
71) 2-Chlorotoluene	15.49	91	3369883	8.863	ppbv	99
72) 4-Ethyltoluene	15.88	105	3399003	9.064	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3226525	9.102	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	3336646	8.434	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	1903902	8.064	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1901584	8.419	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1803836	8.350	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	656334	3.380	ppbv #	1
79) Naphthalene	22.26	128	3226434	9.302	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1498644	11.300	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1710685	8.549	ppbv	99

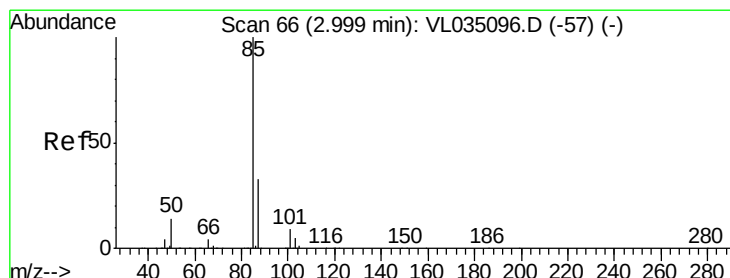
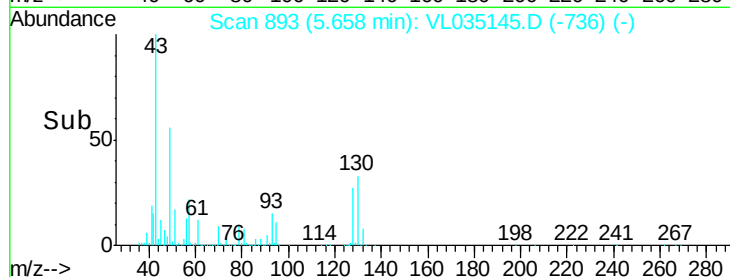
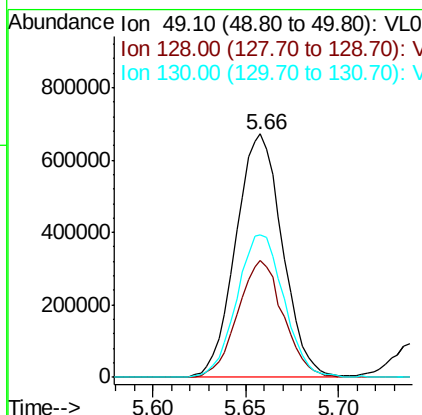
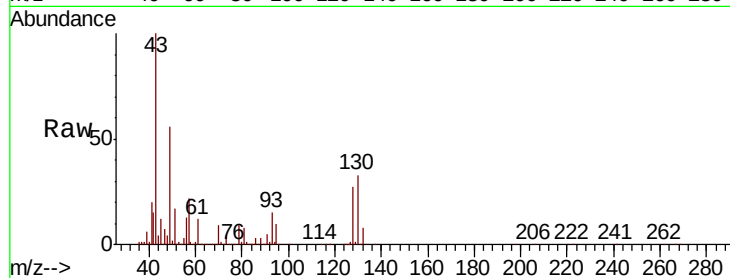
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

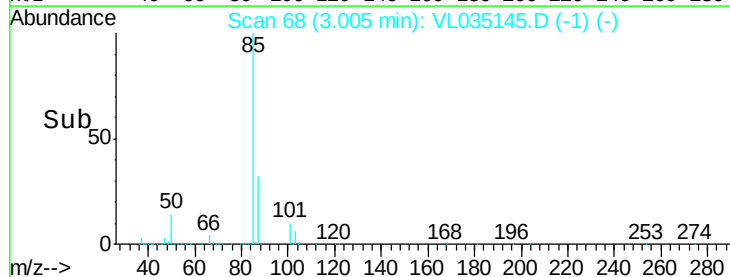
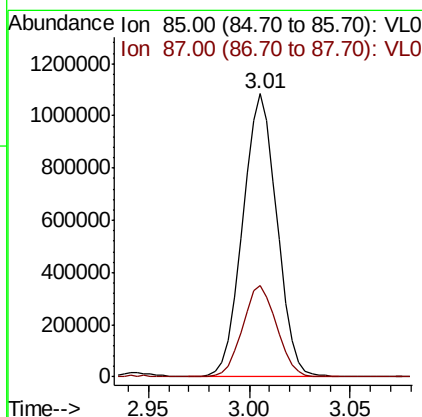
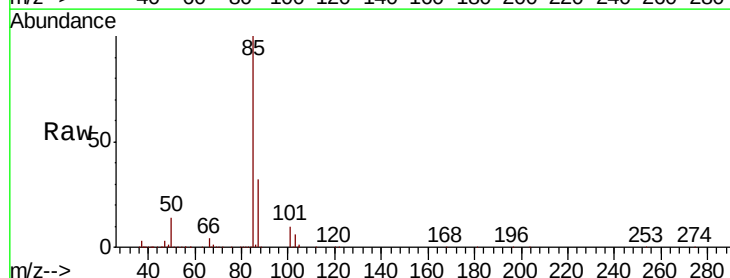
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

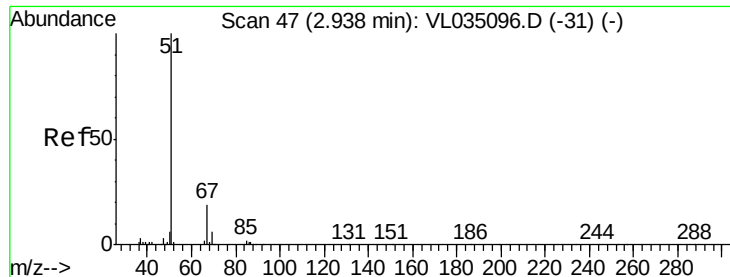
Tot Ion: 49 Resp: 1164932
 Ion Ratio Lower Upper
 49 100
 128 47.4 22.9 68.5
 130 59.7 29.0 87.0



#2
 Dichlorodifluoromethane
 Concen: 8.202 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion: 85 Resp: 1290183
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.1 39.1





#3

Chlorodifluoromethane

Concen: 9.857 ppbv

RT: 2.94 min Scan# 49

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

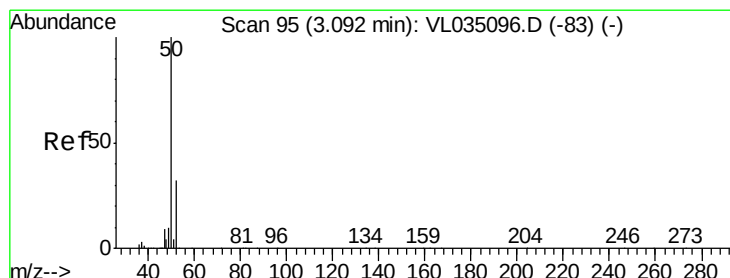
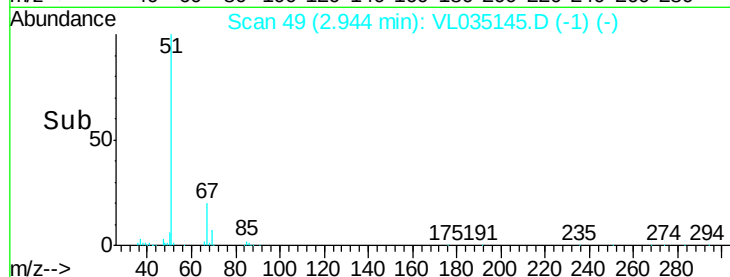
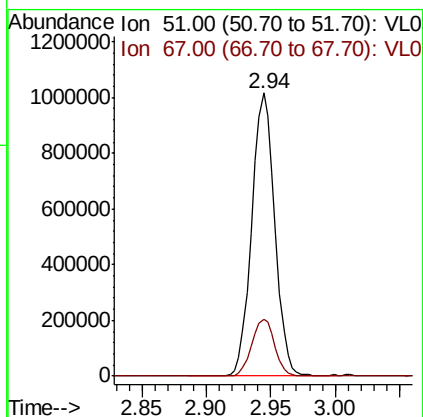
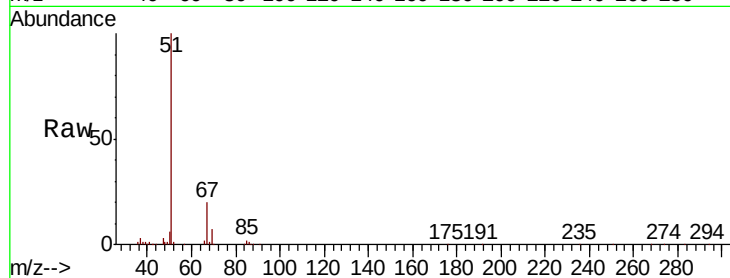
VL0706ABS01

Tot Ion: 51 Resp: 1268421

Ion Ratio Lower Upper

51 100

67 20.1 15.2 22.8



#4

Chloromethane

Concen: 9.823 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.01 min

Lab File: VL035145.D

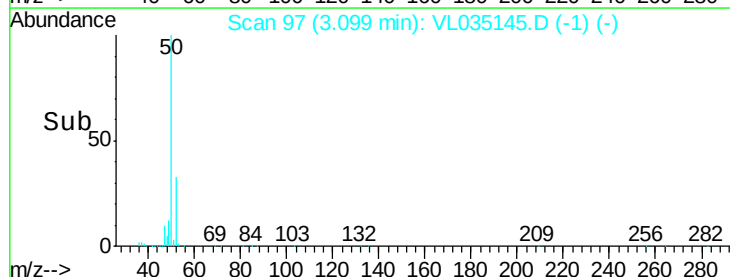
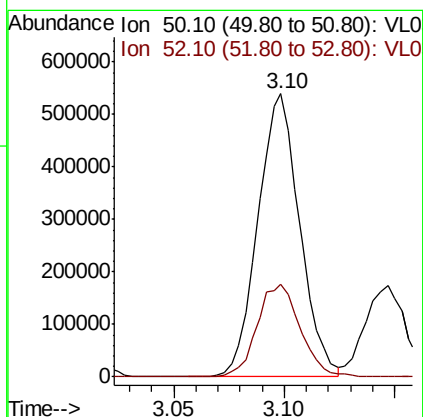
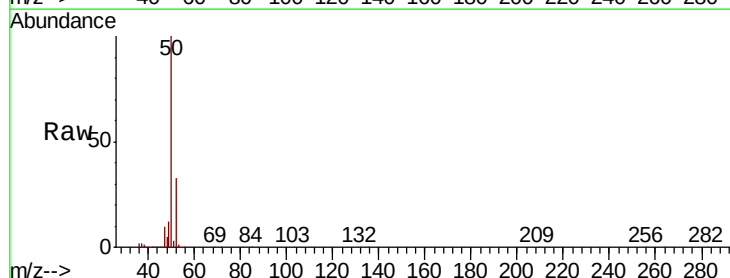
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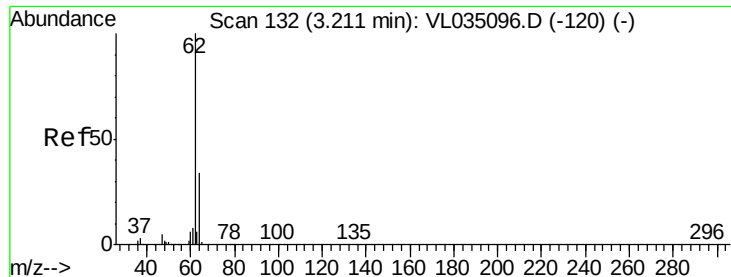
Tgt Ion: 50 Resp: 708619

Ion Ratio Lower Upper

50 100

52 32.7 25.4 38.0





#5

Vinyl Chloride

Concen: 10.496 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

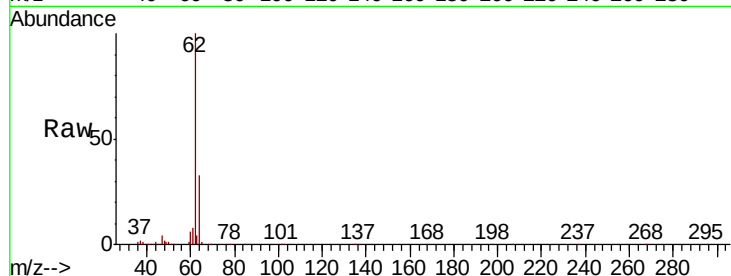
VL0706ABS01

Tot Ion: 62 Resp: 720059

Ion Ratio Lower Upper

62 100

64 32.6 27.0 40.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.21

600000

500000

400000

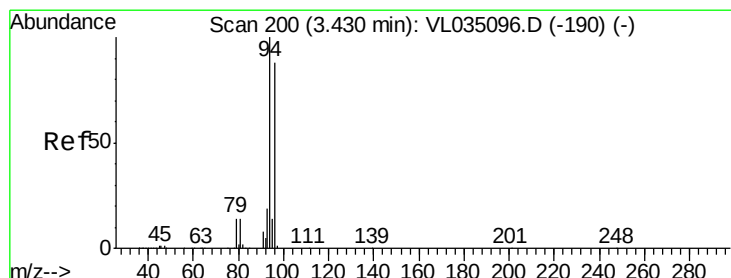
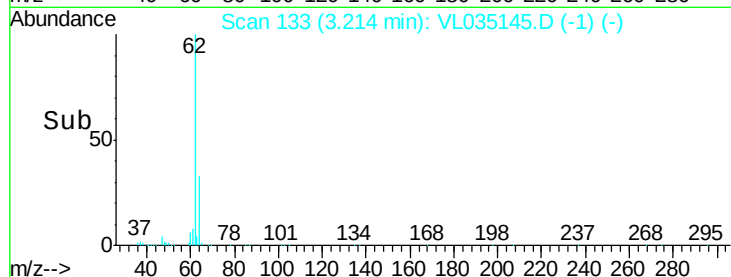
300000

200000

100000

0

Time--> 3.15 3.20 3.25



#6

Bromomethane

Concen: 10.718 ppbv

RT: 3.43 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL035145.D

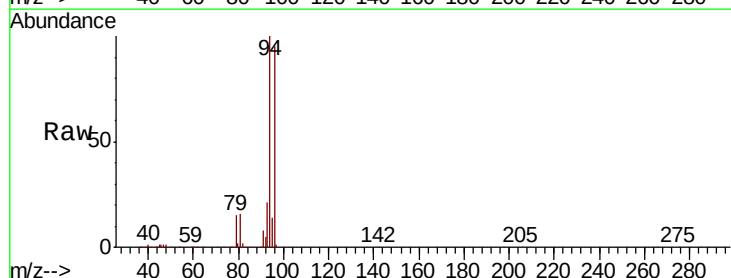
Acq: 6 Jul 2020 13:01

Tgt Ion: 94 Resp: 456575

Ion Ratio Lower Upper

94 100

96 94.7 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.43

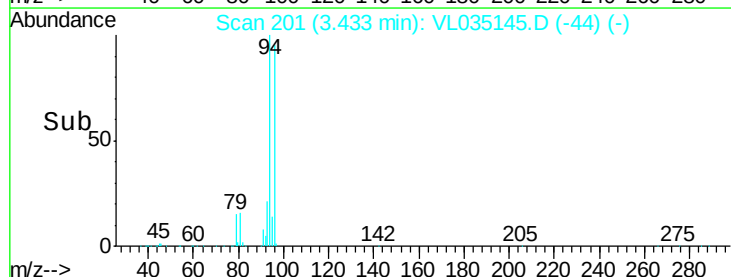
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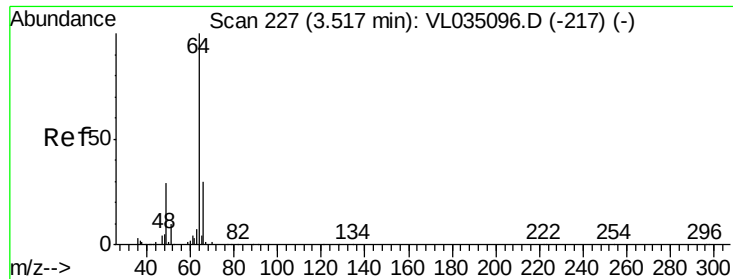
200000

100000

0

Time--> 3.40 3.45





#7

Chloroethane

Concen: 10.658 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

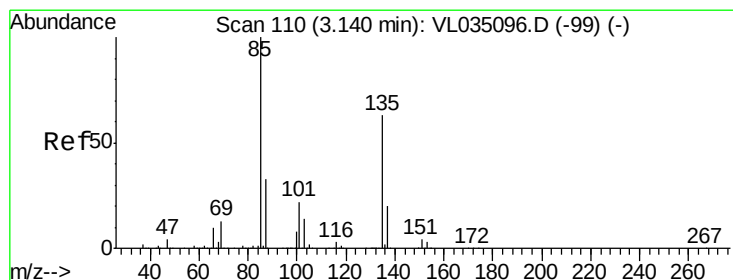
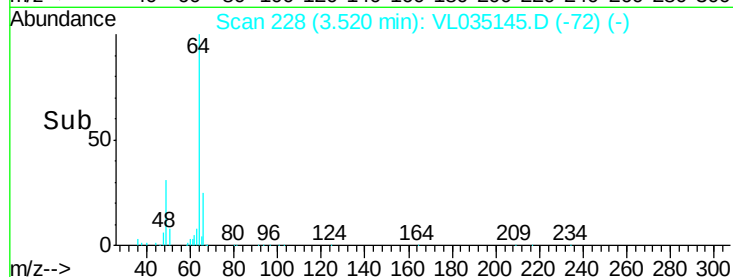
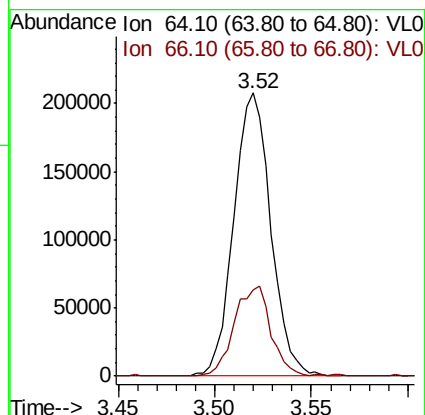
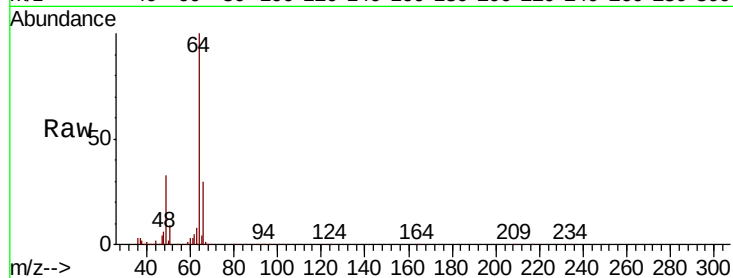
VL0706ABS01

Tot Ion: 64 Resp: 275715

Ion Ratio Lower Upper

64 100

66 30.5 24.2 36.4



#8

Dichlorotetrafluoroethane

Concen: 9.974 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL035145.D

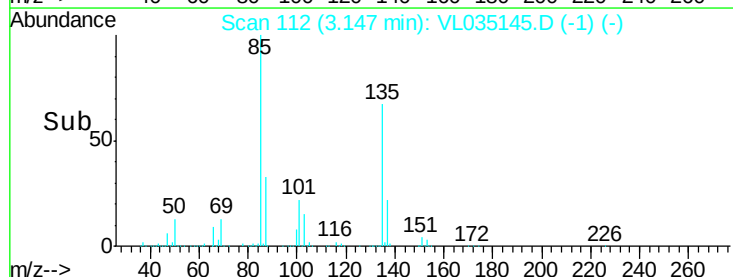
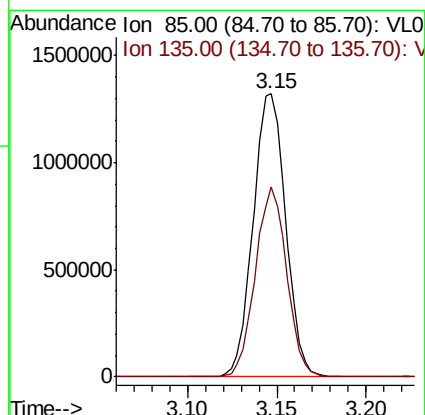
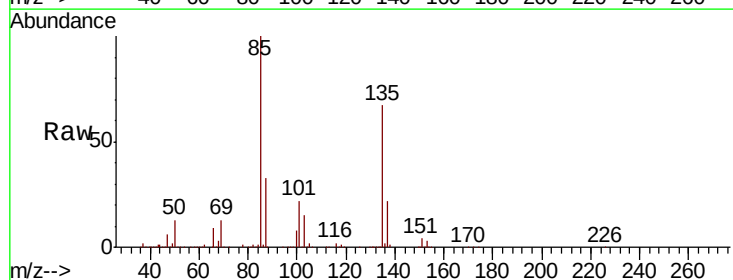
Acq: 6 Jul 2020 13:01

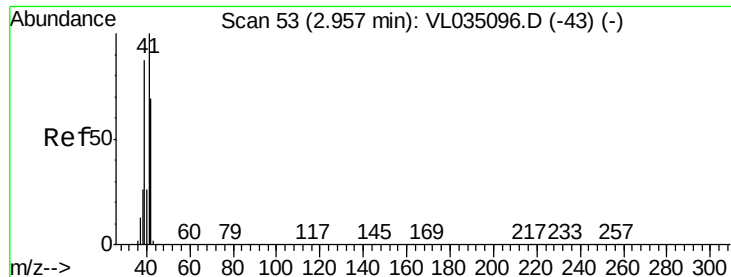
Tgt Ion: 85 Resp: 1682149

Ion Ratio Lower Upper

85 100

135 65.1 51.0 76.6





#9

Propene

Concen: 9.941 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

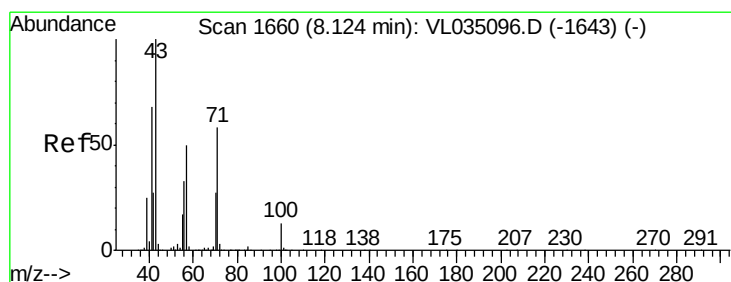
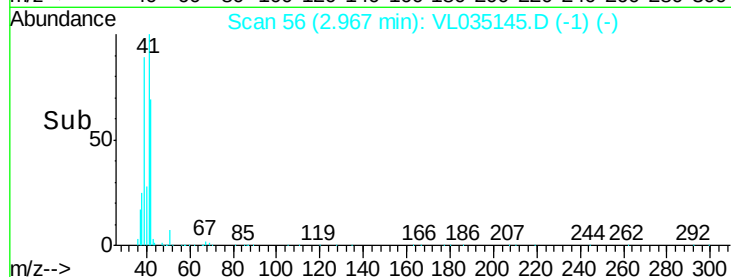
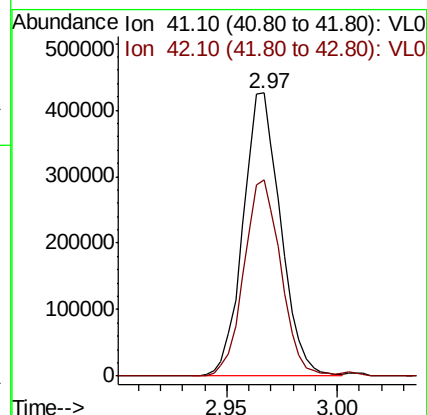
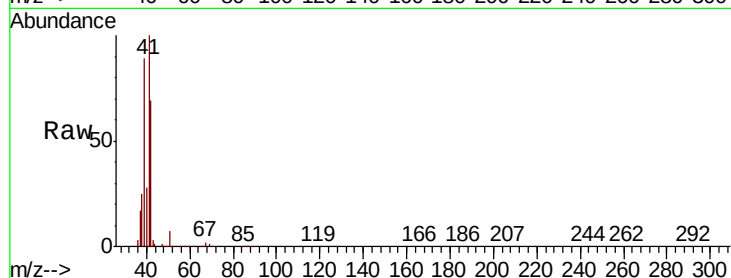
VL0706ABS01

Tot Ion: 41 Resp: 506582

Ion Ratio Lower Upper

41 100

42 69.4 55.8 83.6



#10

Heptane

Concen: 11.103 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VL035145.D

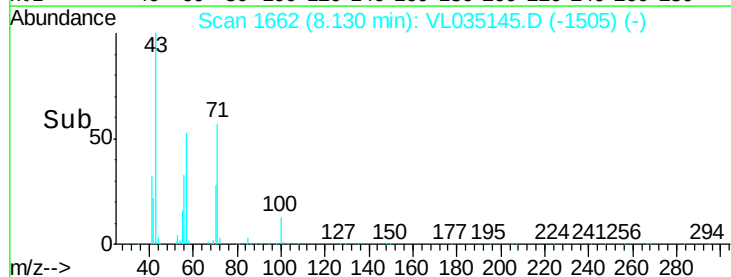
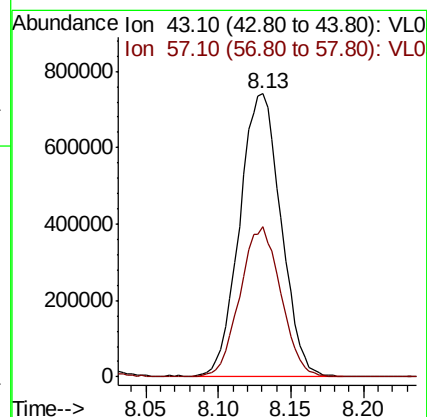
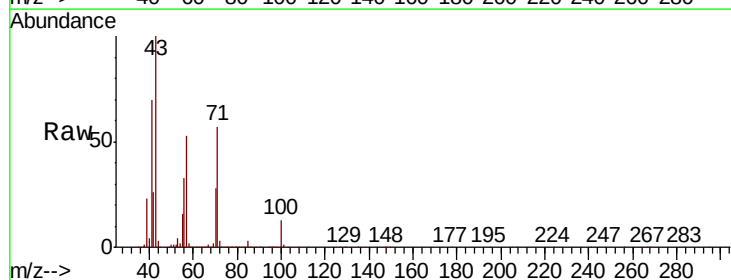
Acq: 6 Jul 2020 13:01

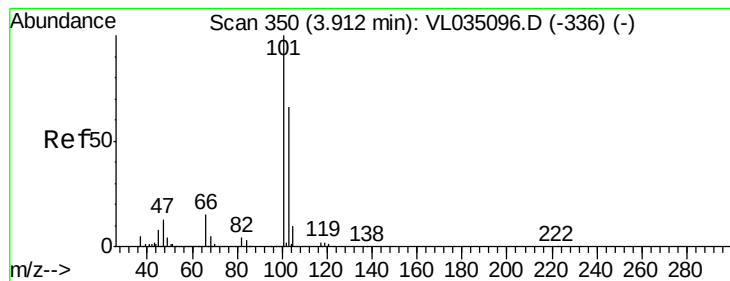
Tgt Ion: 43 Resp: 1466225

Ion Ratio Lower Upper

43 100

57 52.2 41.9 62.9





#11

Trichlorofluoromethane

Concen: 10.796 ppbv

RT: 3.92 min Scan# 351

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

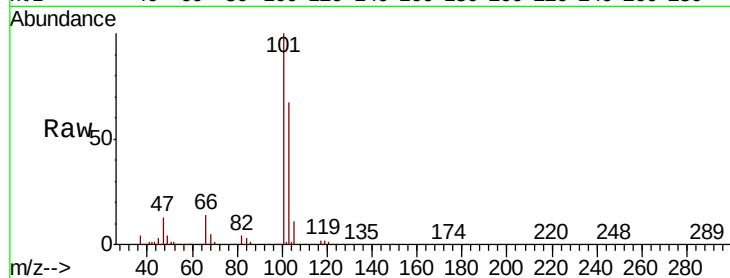
VL0706ABS01

Tot Ion:101 Resp: 1814271

Ion Ratio Lower Upper

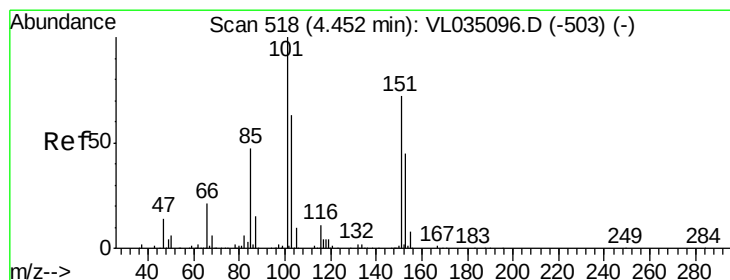
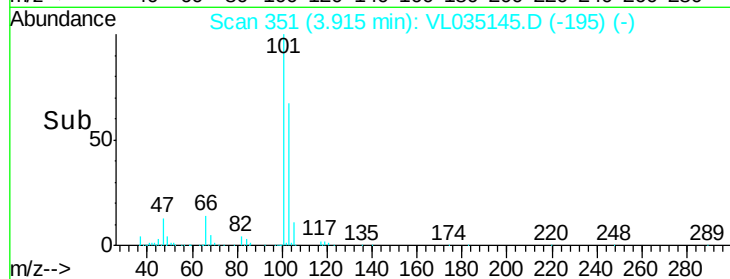
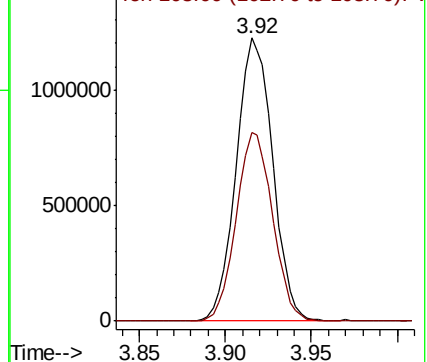
101 100

103 66.5 52.6 79.0



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: 11.123 ppbv

RT: 4.46 min Scan# 520

Delta R.T. 0.01 min

Lab File: VL035145.D

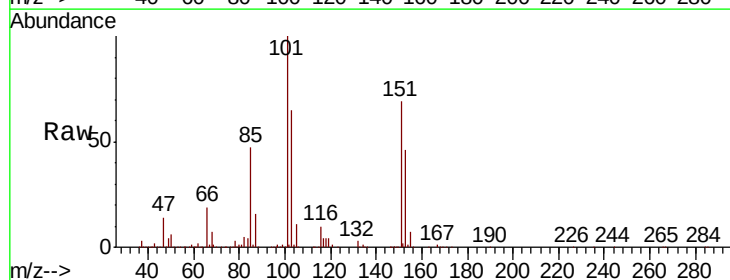
Acq: 6 Jul 2020 13:01

Tgt Ion:101 Resp: 1292571

Ion Ratio Lower Upper

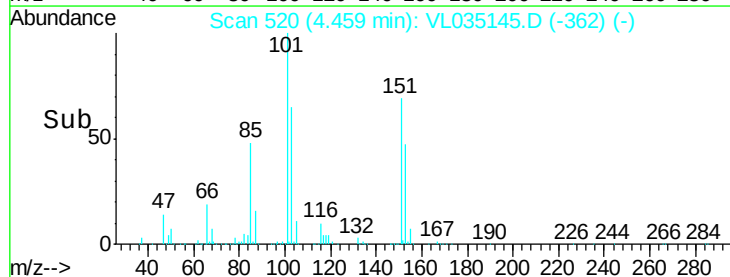
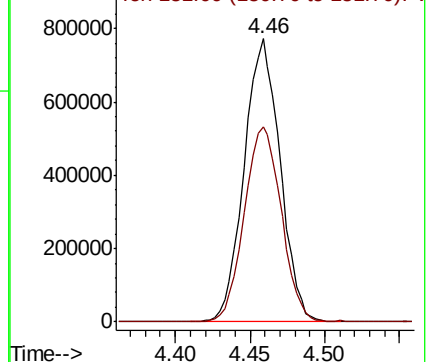
101 100

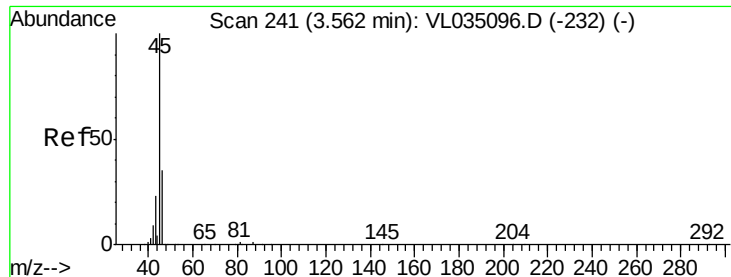
151 71.0 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

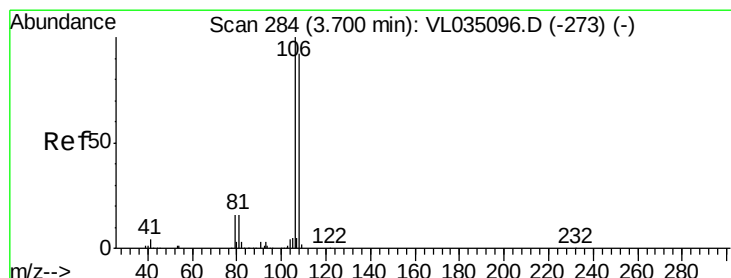
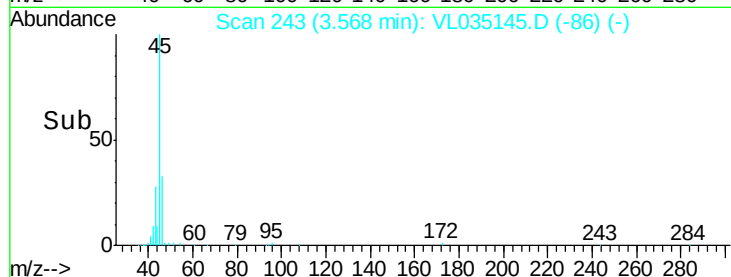
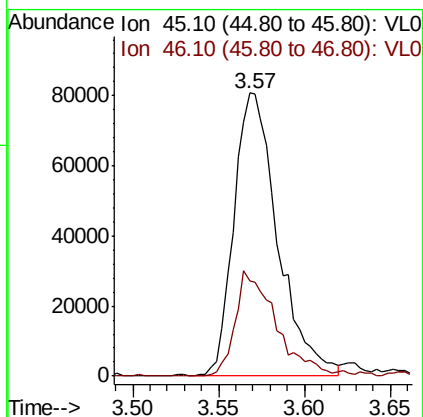
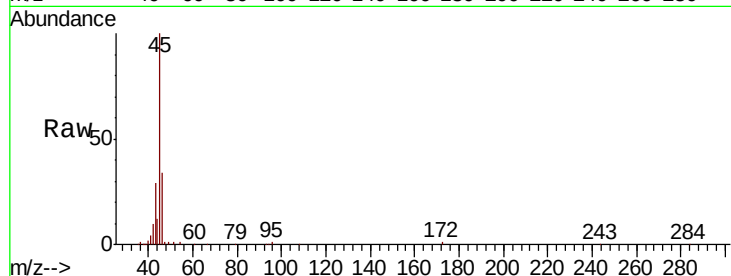




#13
Ethanol
Concen: 7.437 ppbv
RT: 3.57 min Scan# 243
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

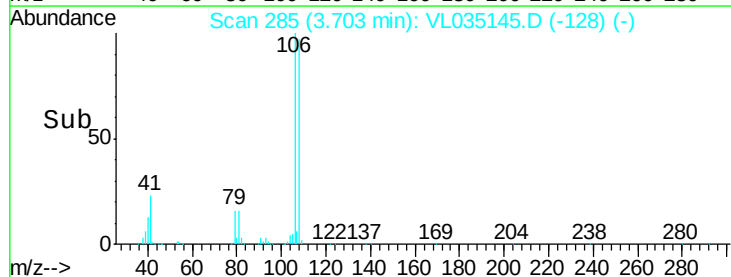
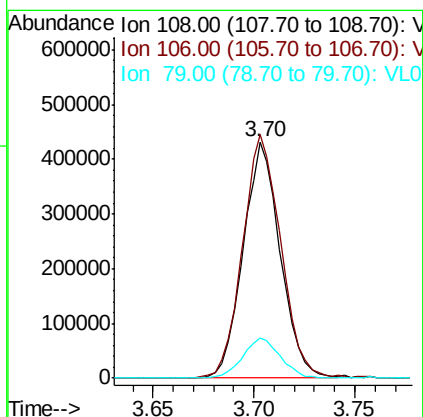
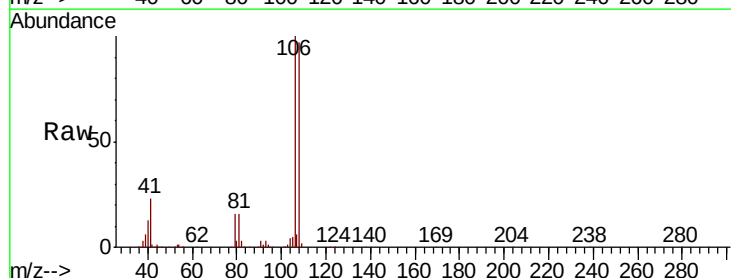
Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

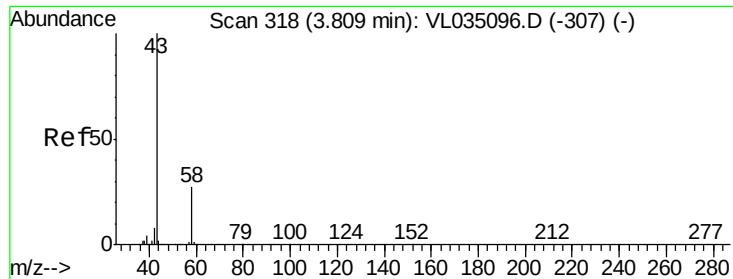
Tot Ion: 45 Resp: 143162
Ion Ratio Lower Upper
45 100
46 36.1 14.2 57.0



#14
Bromoethene
Concen: 11.095 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 108 Resp: 555741
Ion Ratio Lower Upper
108 100
106 106.8 84.4 126.6
79 17.7 14.2 21.2





#15

Acetone

Concen: 9.783 ppbv

RT: 3.82 min Scan# 320

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

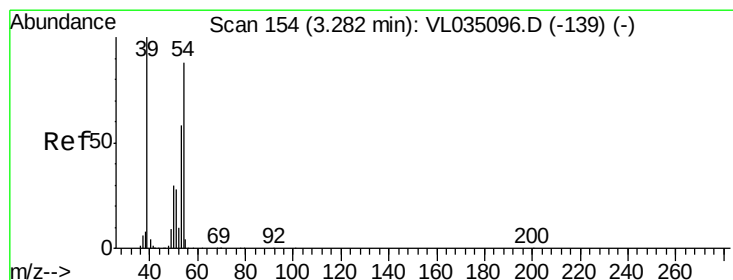
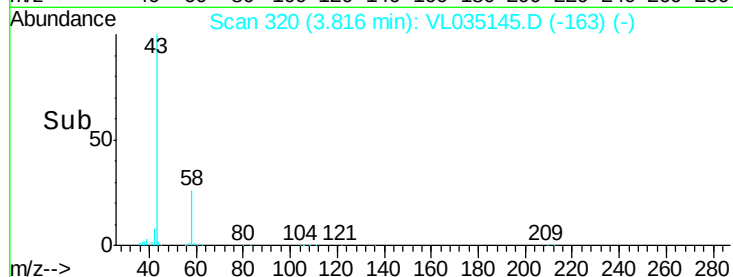
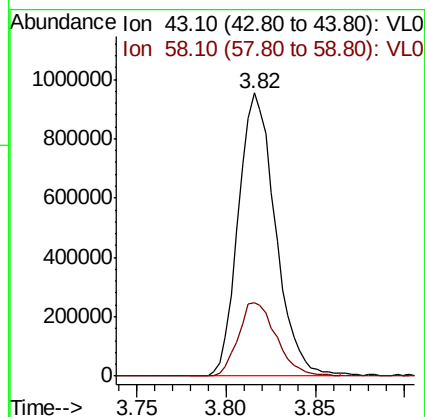
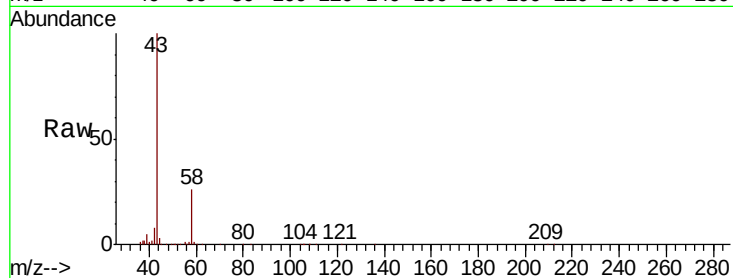
VL0706ABS01

Tot Ion: 43 Resp: 1377807

Ion Ratio Lower Upper

43 100

58 27.0 21.8 32.6



#16

1,3-Butadiene

Concen: 10.632 ppbv

RT: 3.29 min Scan# 155

Delta R.T. 0.00 min

Lab File: VL035145.D

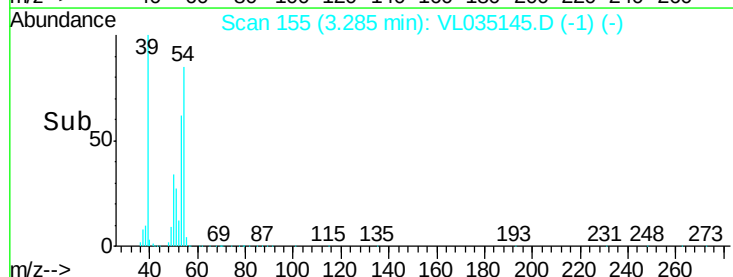
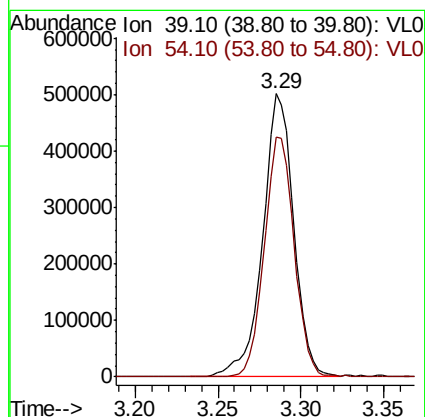
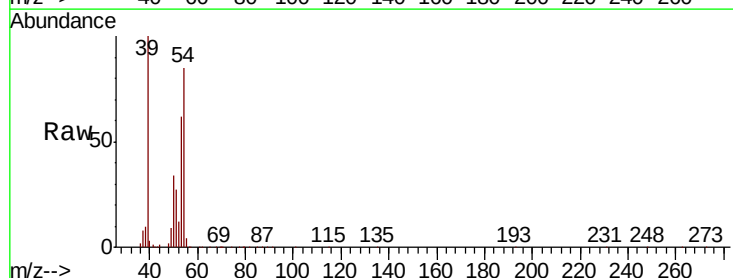
Acq: 6 Jul 2020 13:01

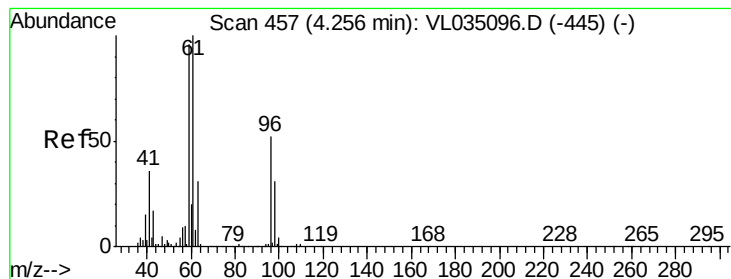
Tgt Ion: 39 Resp: 656781

Ion Ratio Lower Upper

39 100

54 82.2 67.0 100.4





#17

tert-Butyl alcohol

Concen: 12.085 ppbv

RT: 4.26 min Scan# 459

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

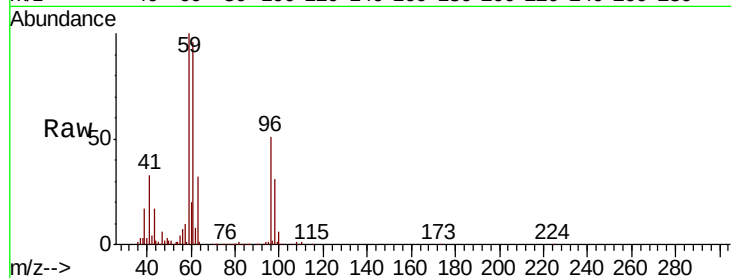
VL0706ABS01

Tot Ion: 59 Resp: 1508420

Ion Ratio Lower Upper

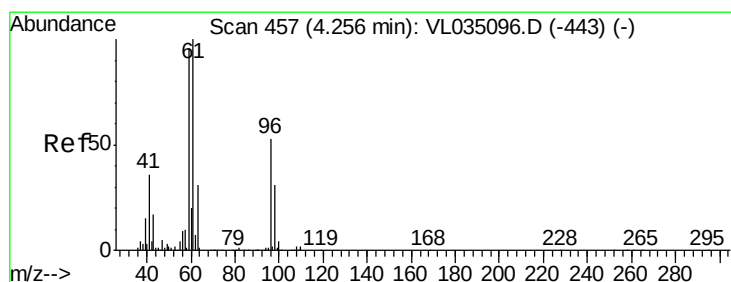
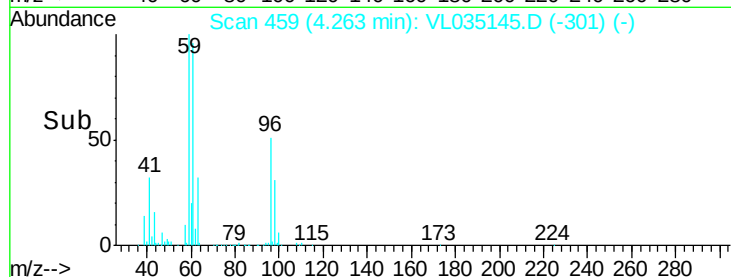
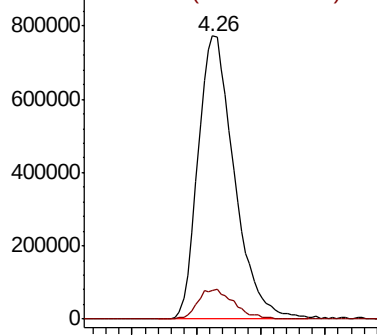
59 100

57 10.8 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 11.419 ppbv

RT: 4.26 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

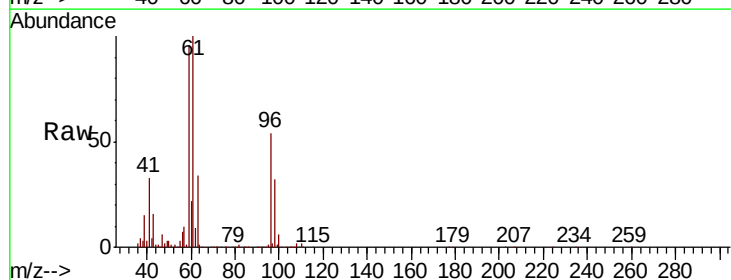
Tgt Ion: 96 Resp: 598440

Ion Ratio Lower Upper

96 100

61 185.9 152.2 228.4

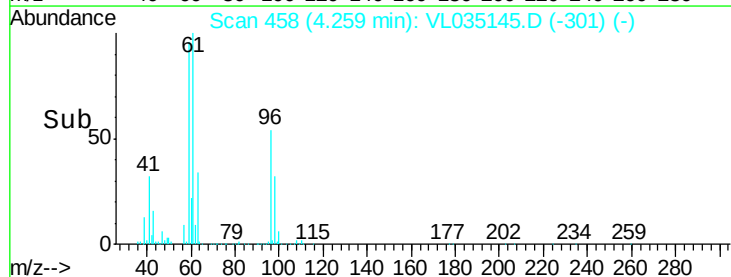
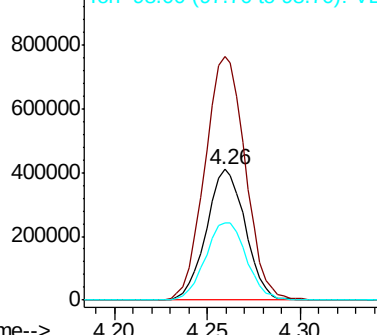
98 59.1 47.7 71.5

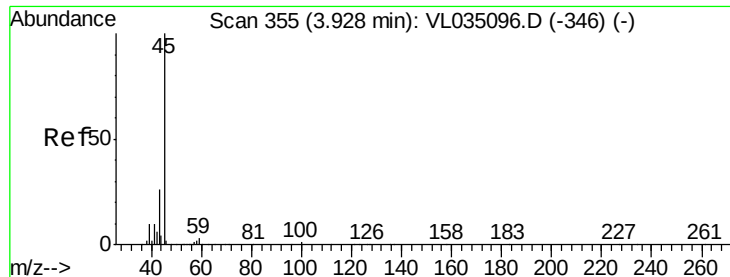


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



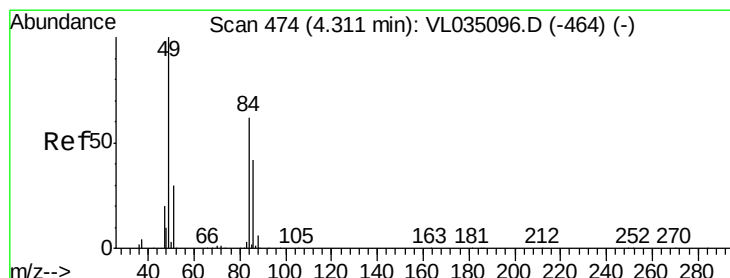
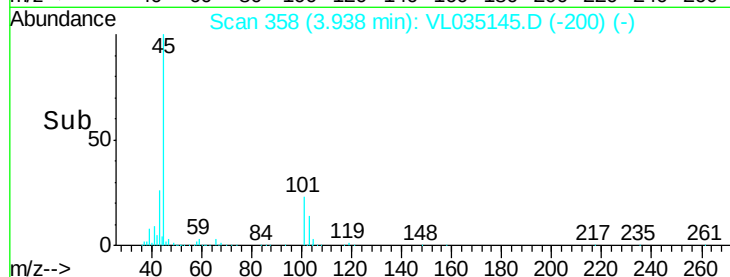
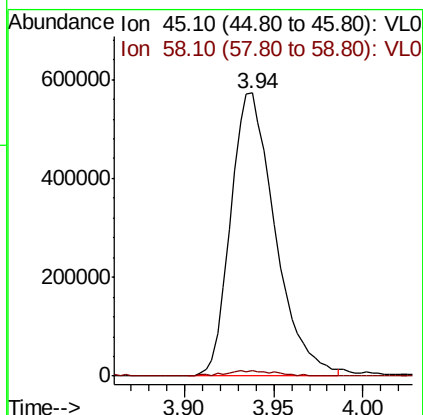
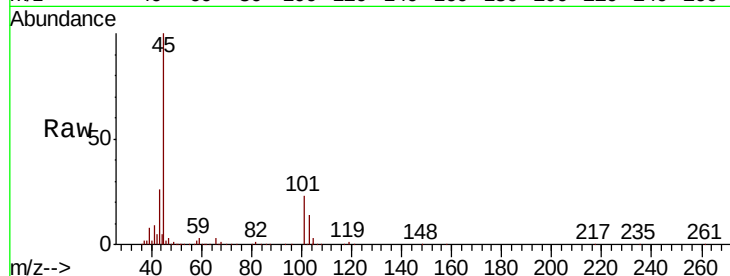


#19

Isopropyl Alcohol
 Concen: 10.875 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

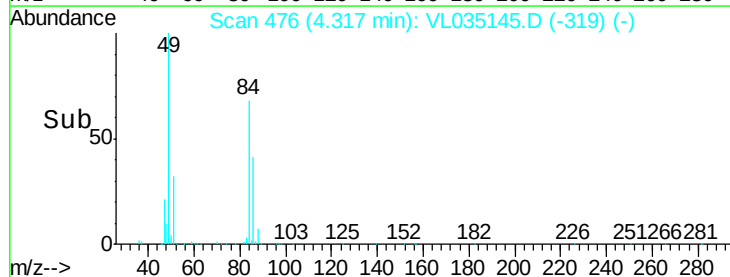
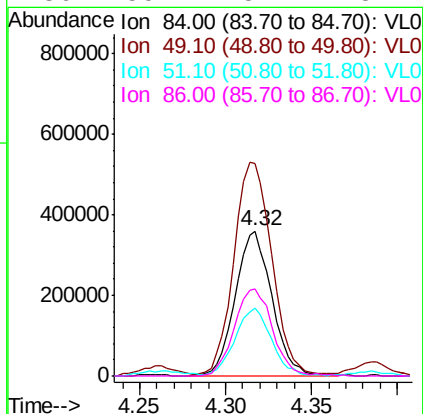
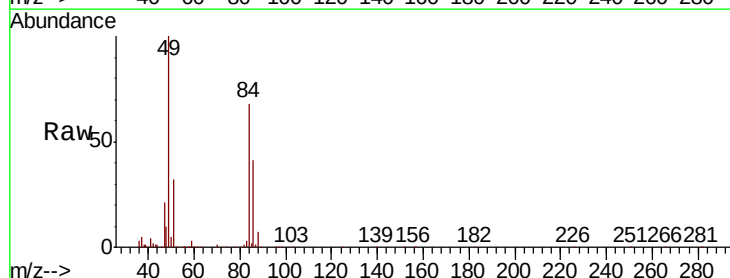
Tot Ion: 45 Resp: 994551
 Ion Ratio Lower Upper
 45 100
 58 2.5 1.8 2.8

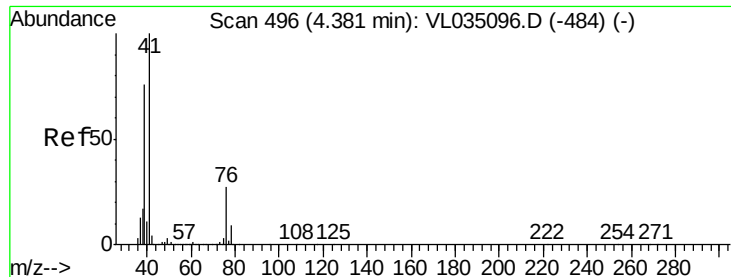


#20

Methylene Chloride
 Concen: 9.293 ppbv
 RT: 4.32 min Scan# 476
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion: 84 Resp: 529703
 Ion Ratio Lower Upper
 84 100
 49 145.7 128.8 193.2
 51 46.5 38.7 58.1
 86 59.7 54.1 81.1





#21

Allvl Chloride

Concen: 11.437 ppbv

RT: 4.38 min Scan# 497

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

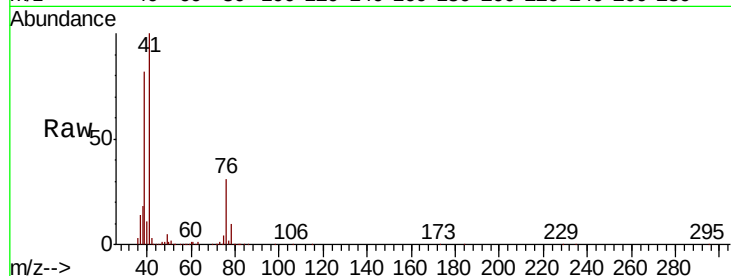
Tot Ion: 41 Resp: 957352

Ion Ratio Lower Upper

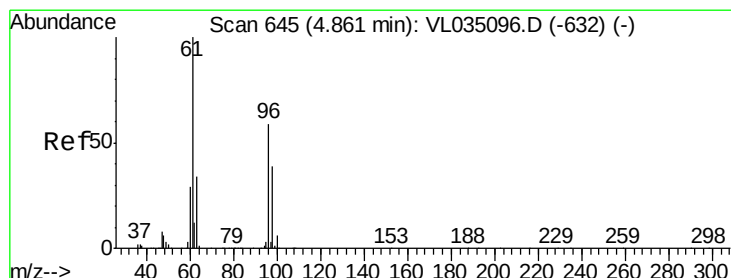
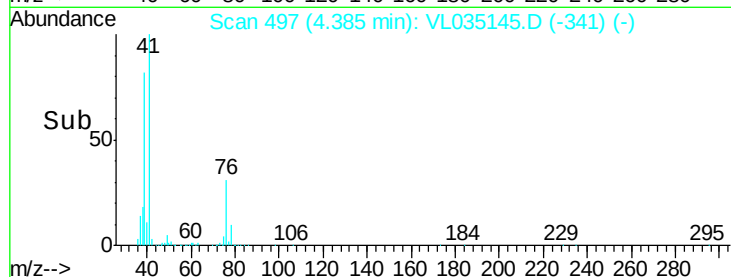
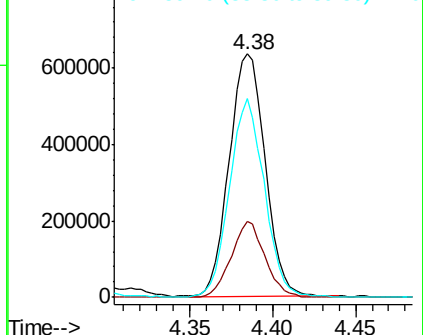
41 100

76 29.5 22.6 34.0

39 79.5 61.6 92.4



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: 12.054 ppbv

RT: 4.86 min Scan# 646

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

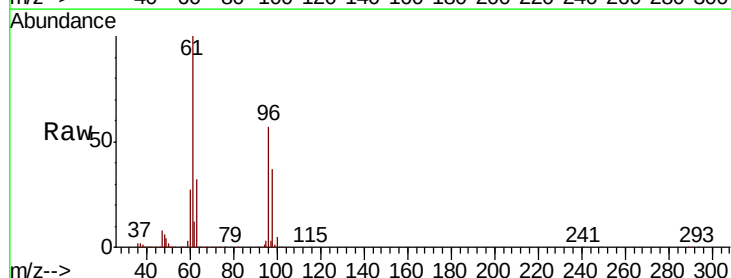
Tgt Ion: 96 Resp: 591035

Ion Ratio Lower Upper

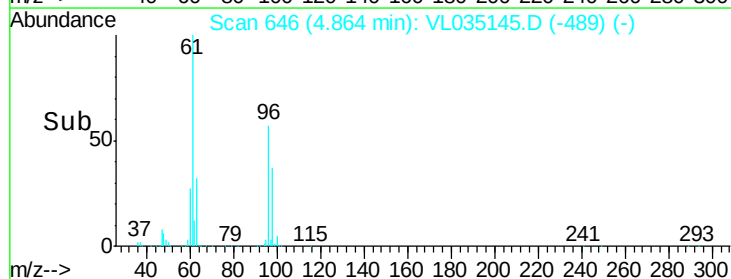
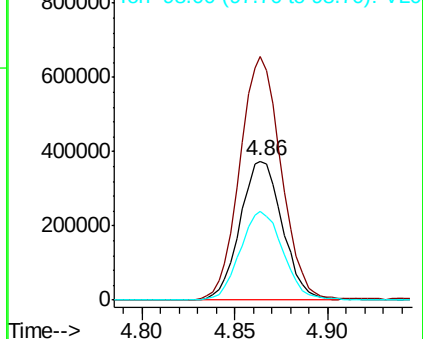
96 100

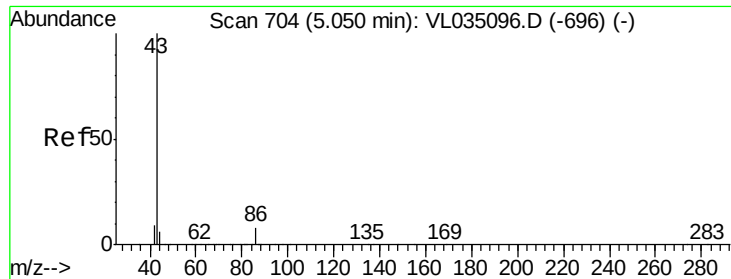
61 175.5 134.5 201.7

98 64.3 52.6 79.0



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: 11.207 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion: 43 Resp: 1915919

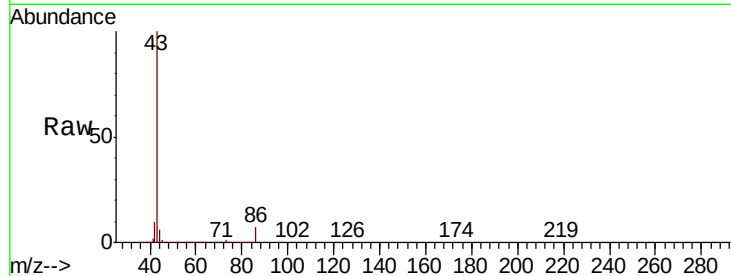
Ion	Ratio	Lower	Upper
43	100		
86	7.1	6.2	9.2
42	10.3	8.1	12.1
44	5.7	4.6	7.0

43 100

86 7.1 6.2 9.2

42 10.3 8.1 12.1

44 5.7 4.6 7.0

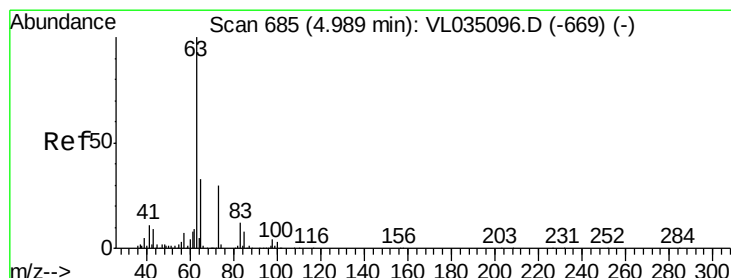
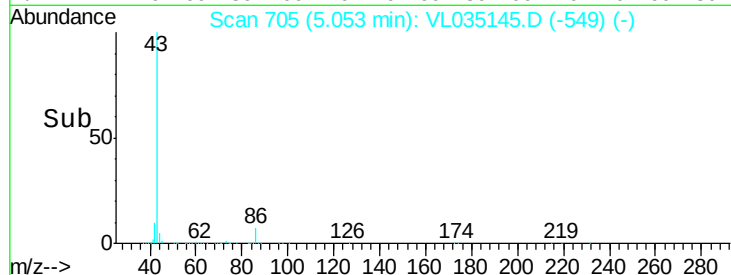
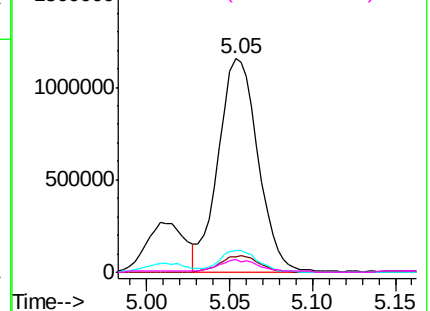


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.327 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

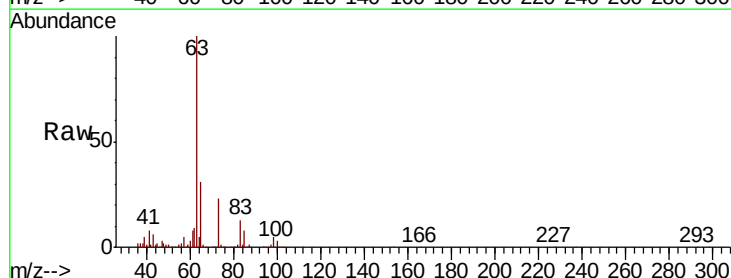
Tgt Ion: 63 Resp: 1488437

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.3	6.9
100	2.7	1.4	4.0

63 100

98 4.7 2.3 6.9

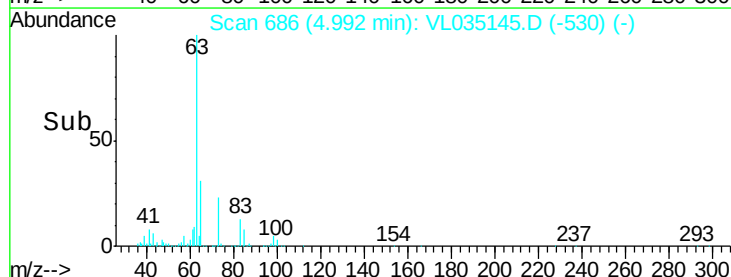
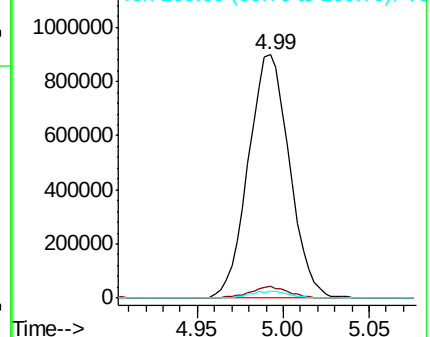
100 2.7 1.4 4.0

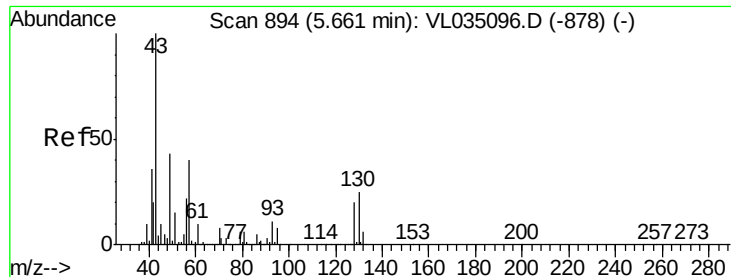


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



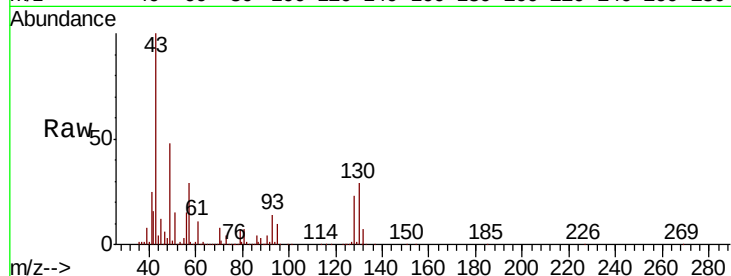


#25
Ethyl Acetate
Concen: 10.019 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion: 43 Resp: 2546718

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.4	12.6
61	10.0	8.0	12.0
70	7.7	6.3	9.5



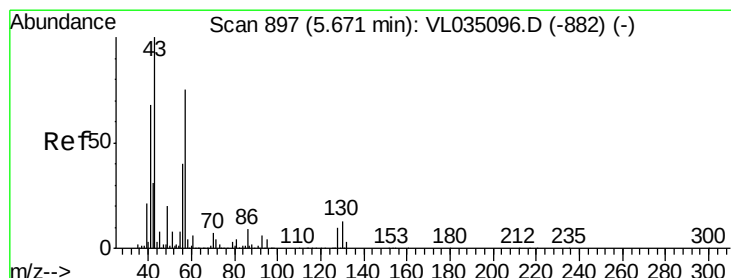
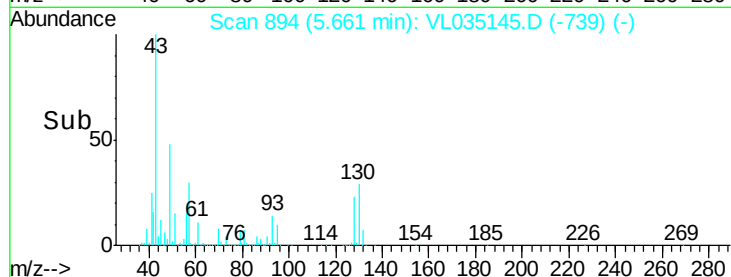
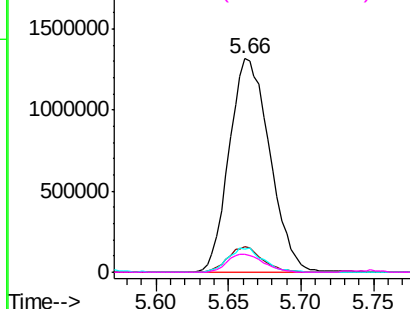
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.046 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 57 Resp: 1151233

Ion	Ratio	Lower	Upper
57	100		
41	90.7	72.9	109.3
43	222.4	181.3	271.9
56	53.4	43.1	64.7

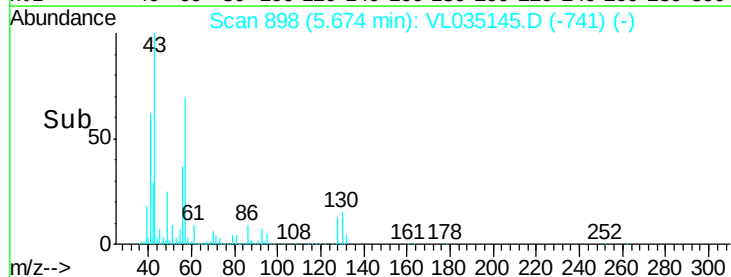
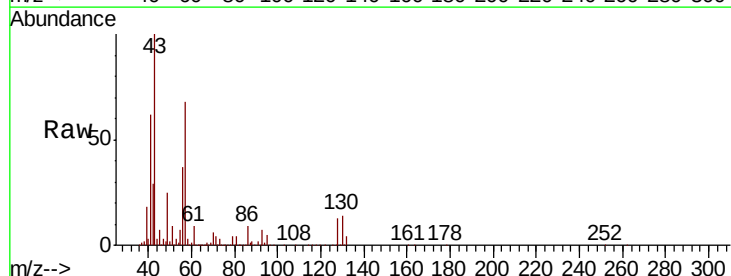
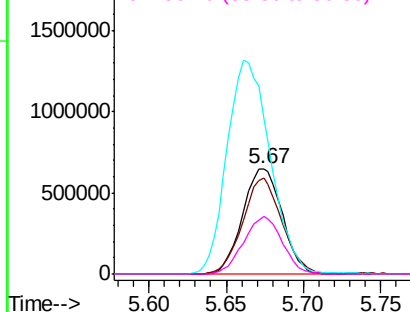
Abundance

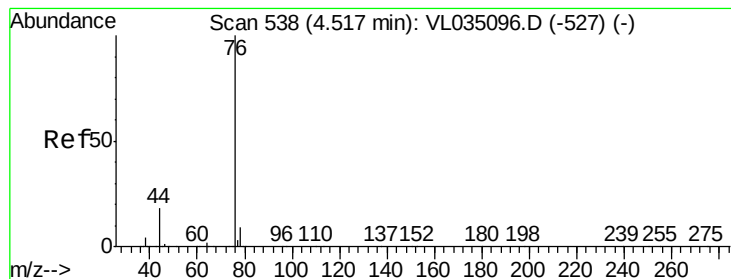
Ion 57.10 (56.80 to 57.80): VL0

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: 13.312 ppbv

RT: 4.52 min Scan# 540

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

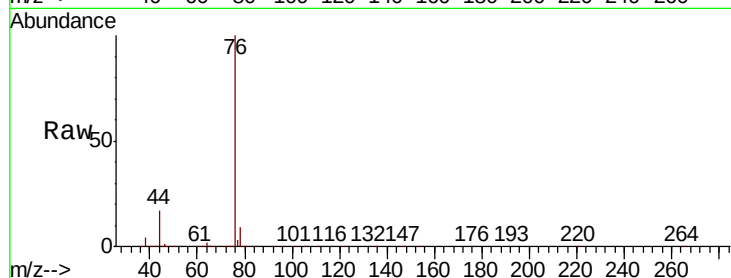
Tot Ion: 76 Resp: 1578745

Ion	Ratio	Lower	Upper
76	100		
44	18.8	15.8	23.8
78	9.1	7.6	11.4

76 100

44 18.8 15.8 23.8

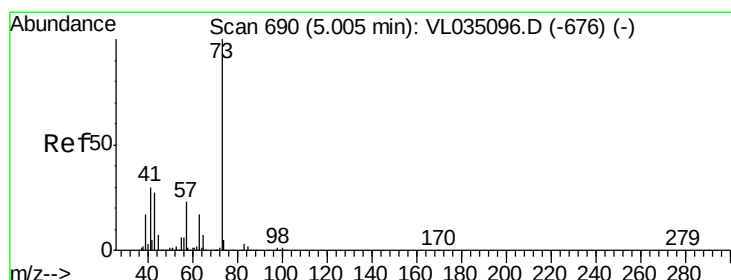
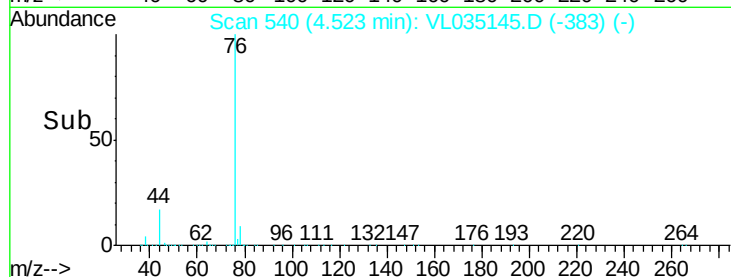
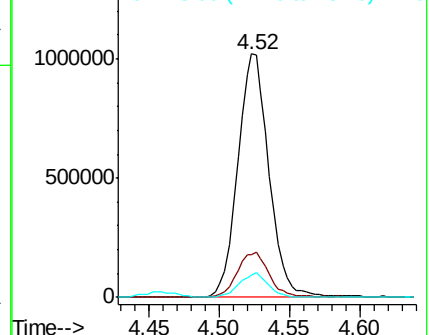
78 9.1 7.6 11.4



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: 11.086 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.01 min

Lab File: VL035145.D

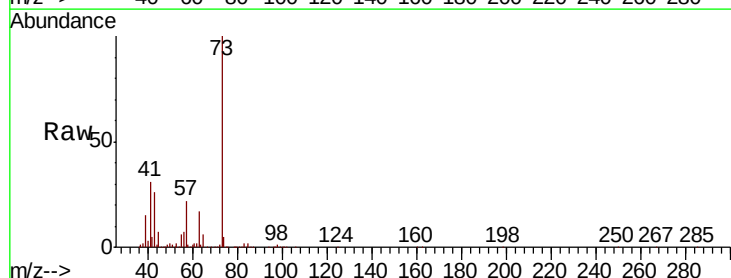
Acq: 6 Jul 2020 13:01

Tgt Ion: 73 Resp: 1785032

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7

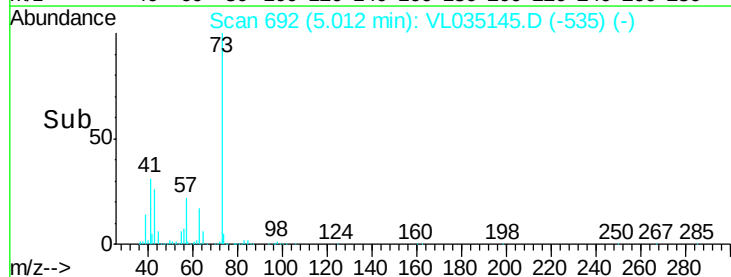
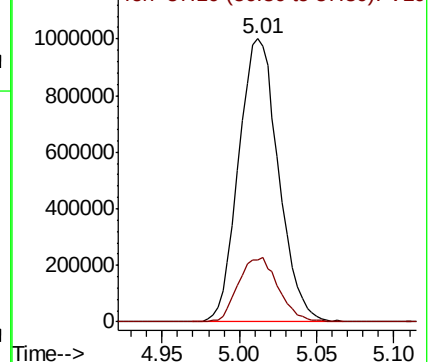
73 100

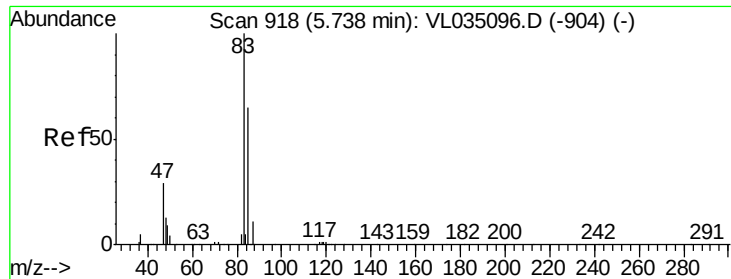
57 23.0 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

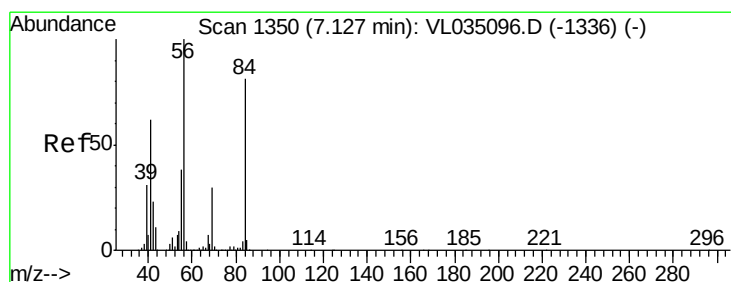
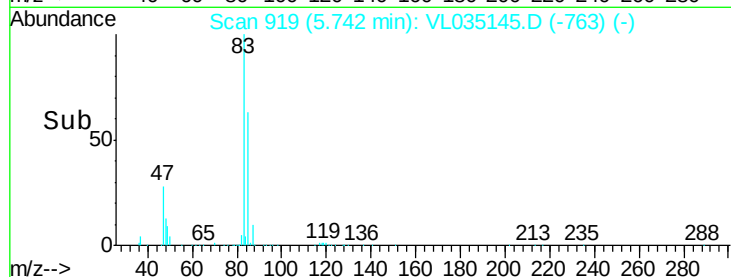
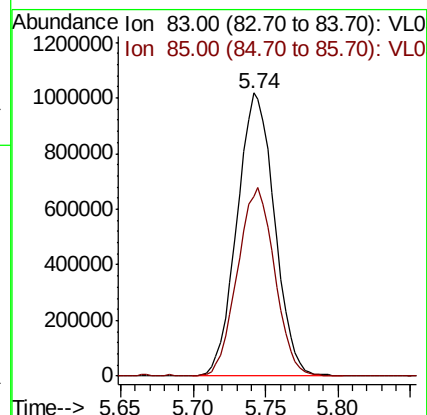
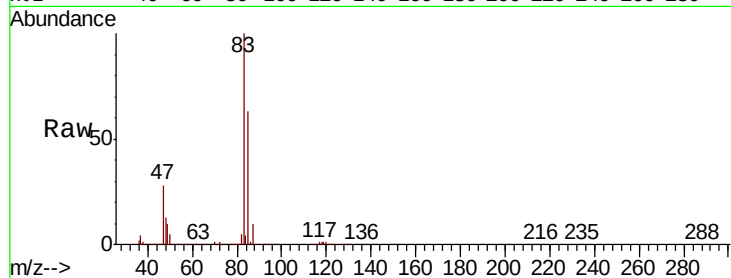




#29
Chloroform
Concen: 10.189 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

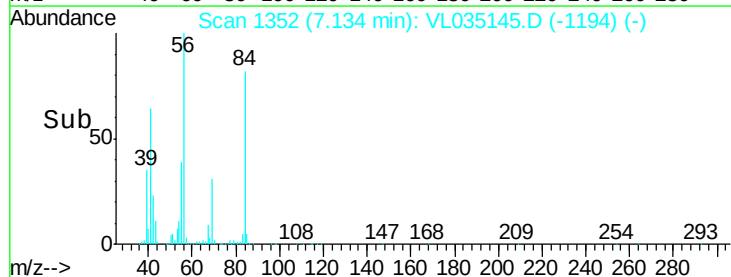
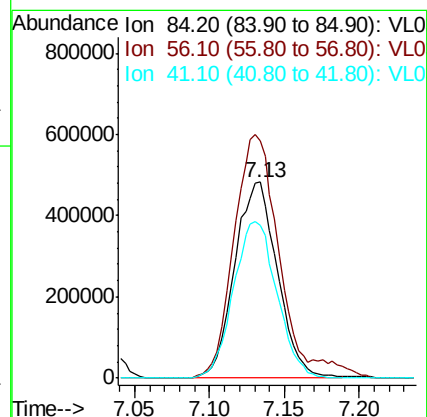
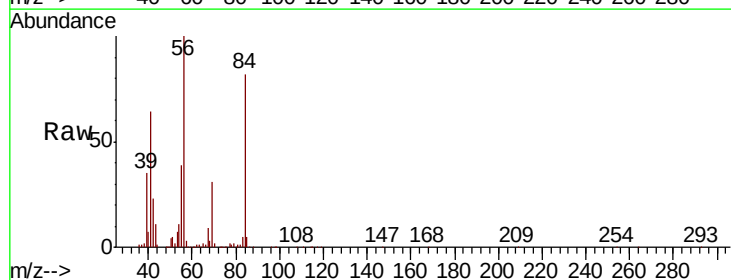
Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

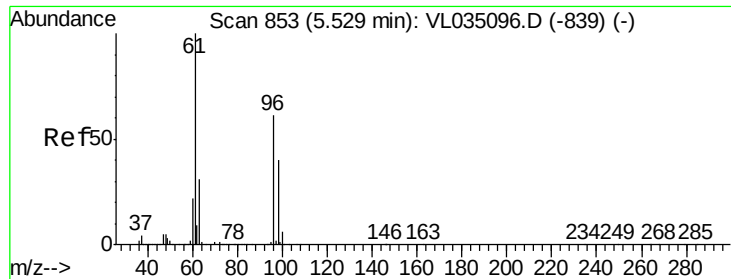
Tot Ion: 83 Resp: 1827259
Ion Ratio Lower Upper
83 100
85 63.2 52.1 78.1



#30
Cyclohexane
Concen: 11.580 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 84 Resp: 952411
Ion Ratio Lower Upper
84 100
56 134.2 108.0 162.0
41 81.7 65.6 98.4





#31

cis-1,2-Dichloroethene

Concen: 10.930 ppbv

RT: 5.54 min Scan# 855

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

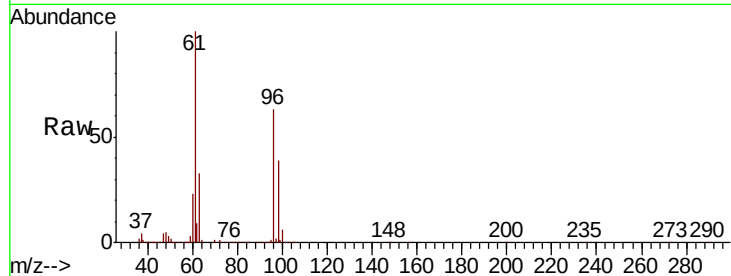
MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion: 61 Resp: 1154597

Ion	Ratio	Lower	Upper
61	100		
96	63.1	48.8	73.2
98	39.2	31.9	47.9

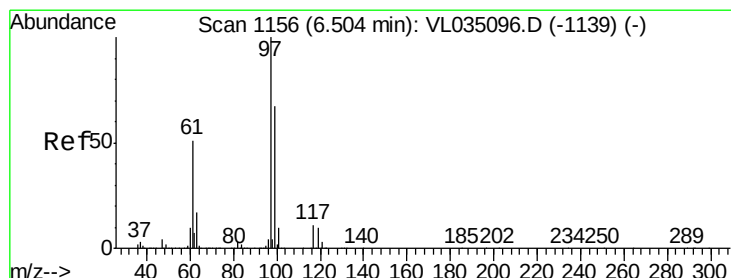
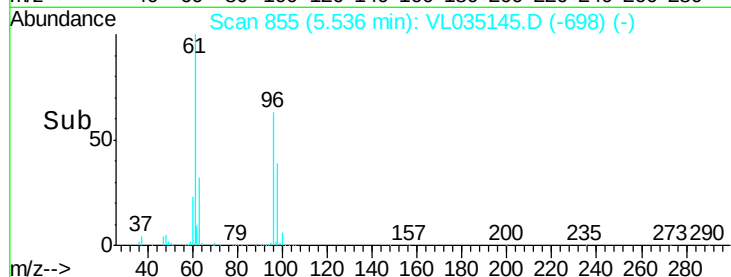
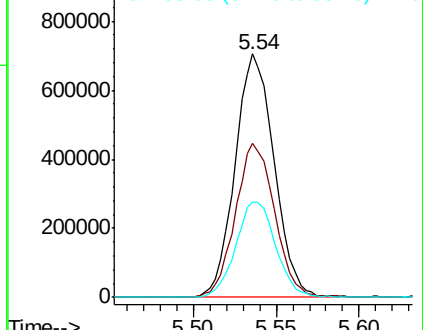


Abundance

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: 10.851 ppbv

RT: 6.51 min Scan# 1157

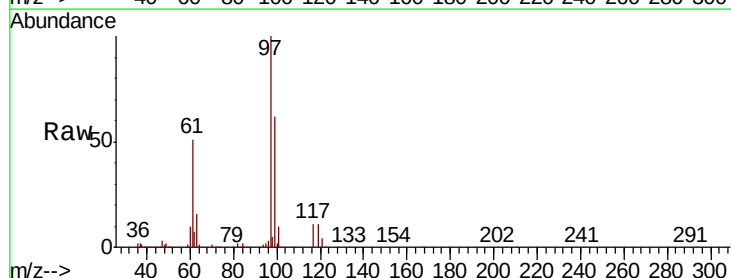
Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Tgt Ion: 97 Resp: 1804876

Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.0	78.0
61	51.3	41.0	61.6

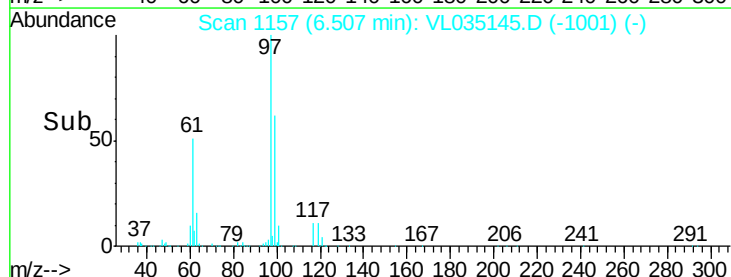
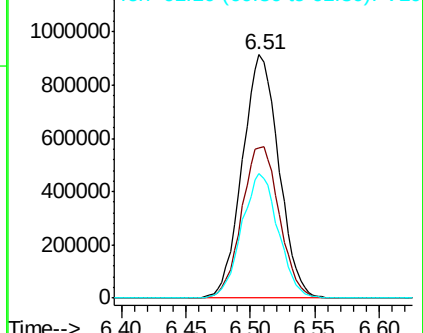


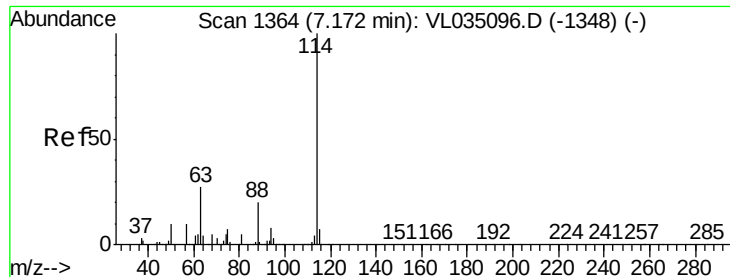
Abundance

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

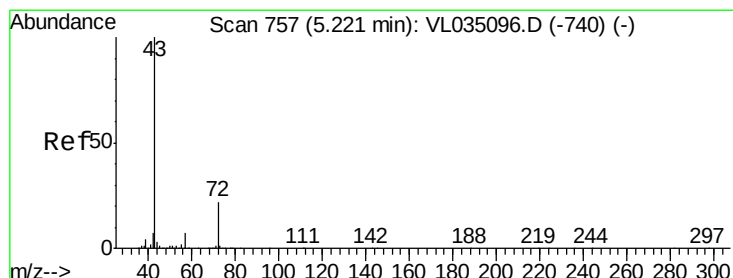
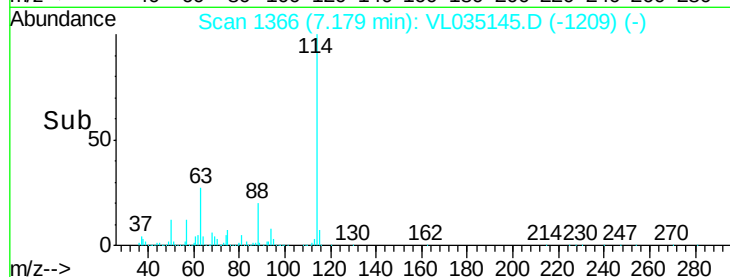
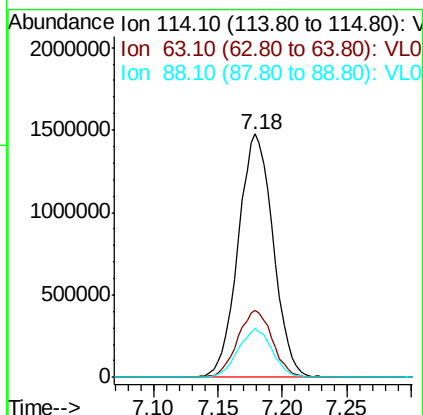
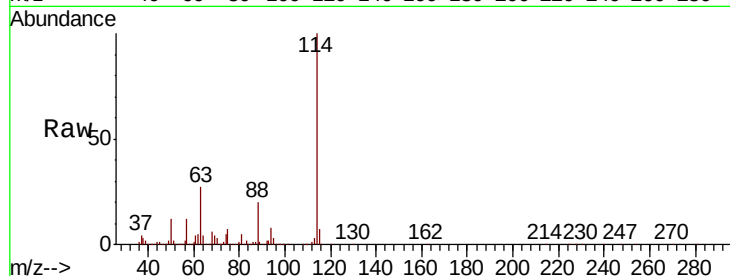




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

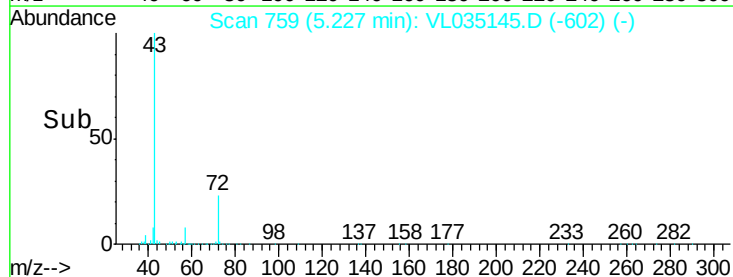
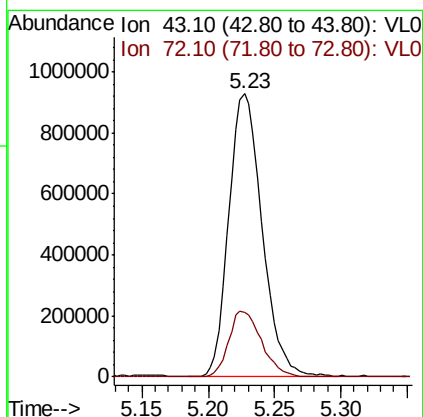
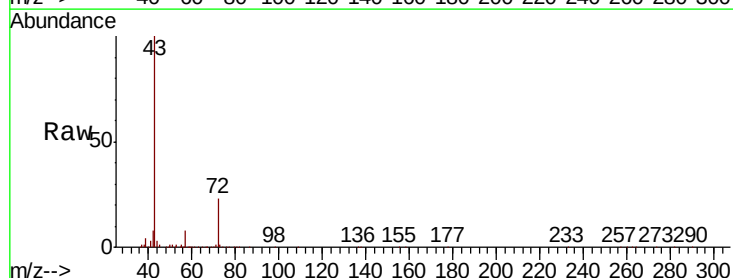
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

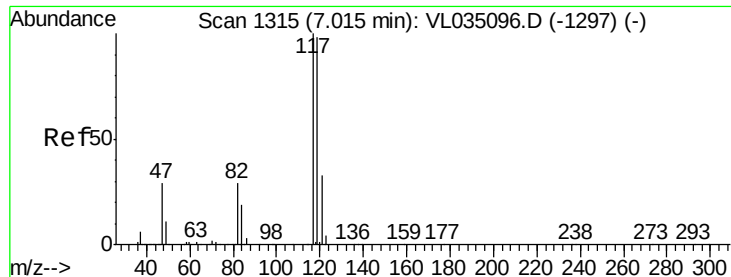
Tot Ion:114 Resp: 2783010
 Ion Ratio Lower Upper
 114 100
 63 27.8 21.9 32.9
 88 19.6 15.6 23.4



#34
 2-Butanone
 Concen: 10.125 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion: 43 Resp: 1618123
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.3 27.5

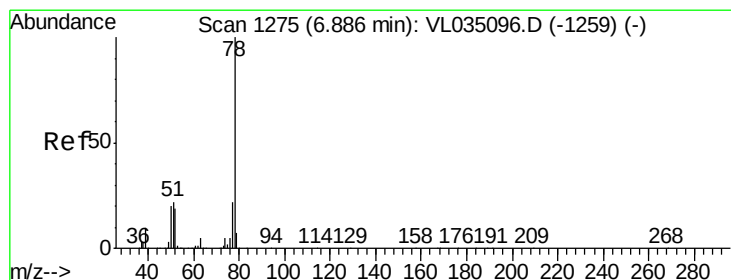
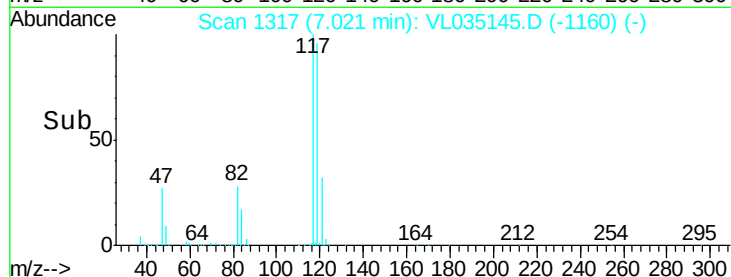
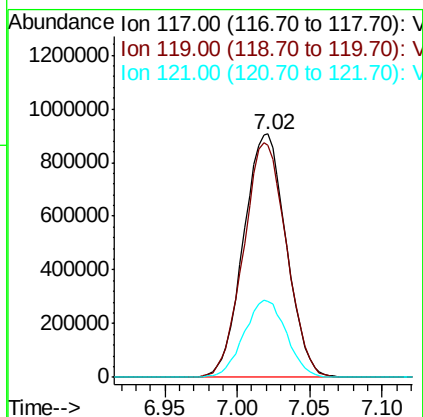
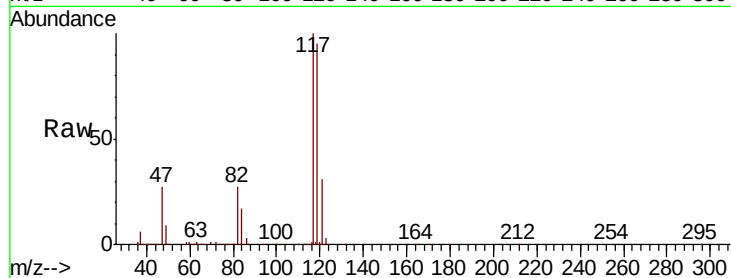




#35
Carbon Tetrachloride
Concen: 11.161 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

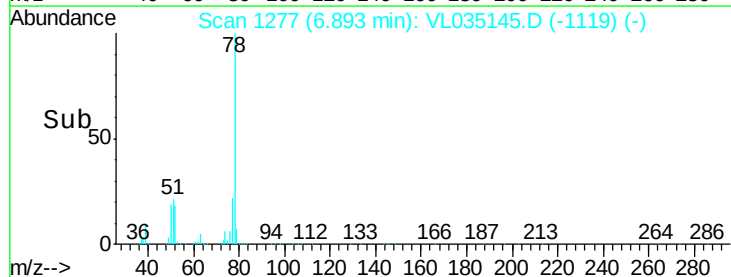
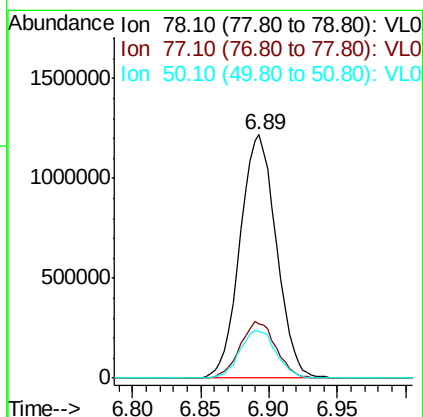
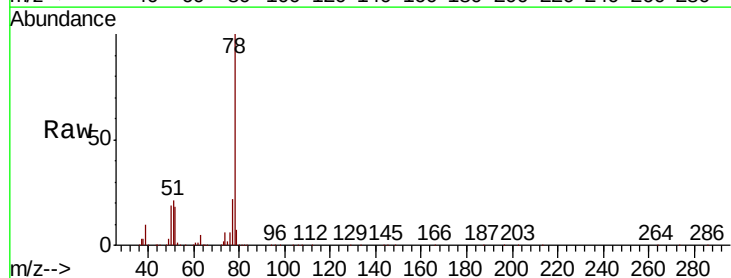
Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

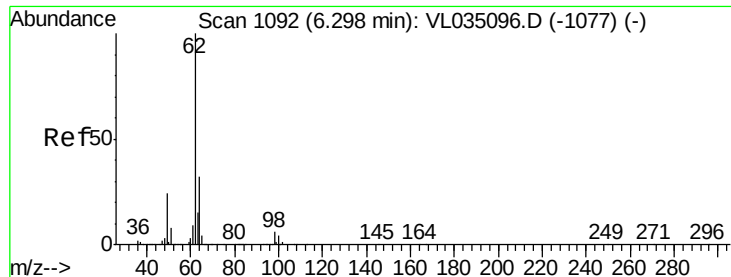
Tot Ion:117 Resp: 1862872
Ion Ratio Lower Upper
117 100
119 95.3 78.3 117.5
121 31.4 26.0 39.0



#36
Benzene
Concen: 10.464 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 78 Resp: 2254946
Ion Ratio Lower Upper
78 100
77 22.3 17.8 26.6
50 19.0 16.2 24.2





#37

1,2-Dichloroethane

Concen: 10.355 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

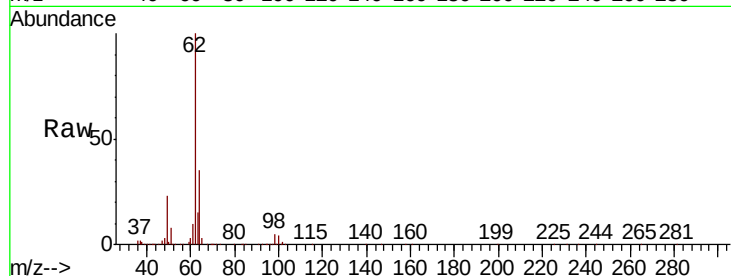
VL0706ABS01

Tot Ion: 62 Resp: 1410307

Ion Ratio Lower Upper

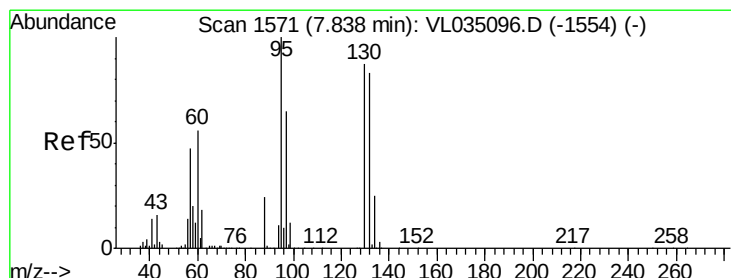
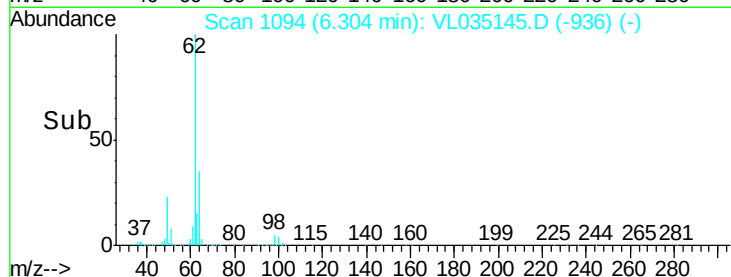
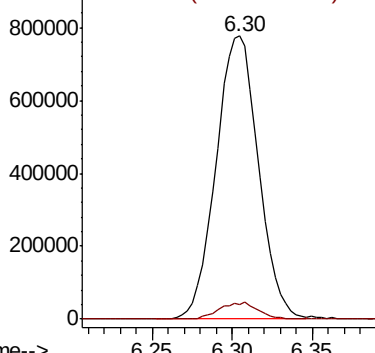
62 100

98 5.6 4.8 7.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.720 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Tgt Ion:130 Resp: 897316

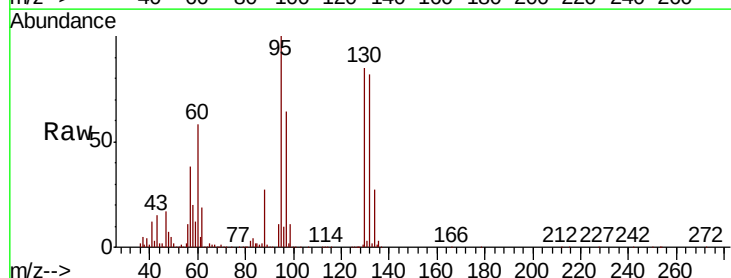
Ion Ratio Lower Upper

130 100

95 117.6 91.4 137.2

132 96.1 75.8 113.6

97 75.7 59.8 89.8

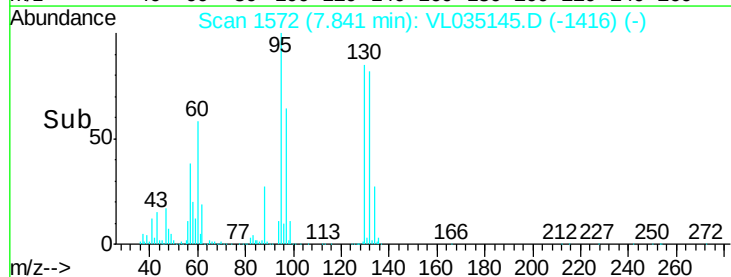
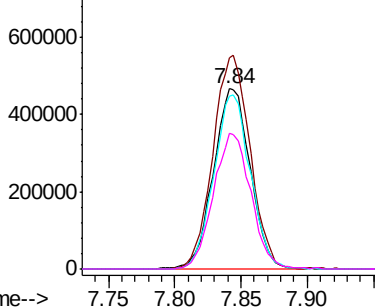


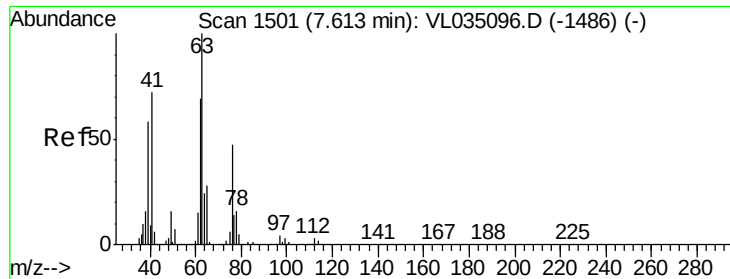
Abundance Ion 130.00 (129.70 to 130.70): V

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





#39

1,2-Dichloropropane

Concen: 10.521 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

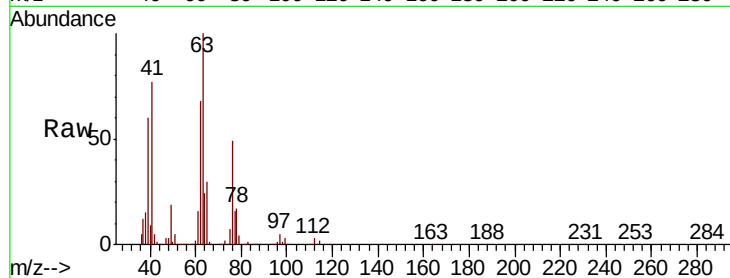
Tot Ion: 63 Resp: 886772

Ion Ratio Lower Upper

63 100

41 77.1 58.0 87.0

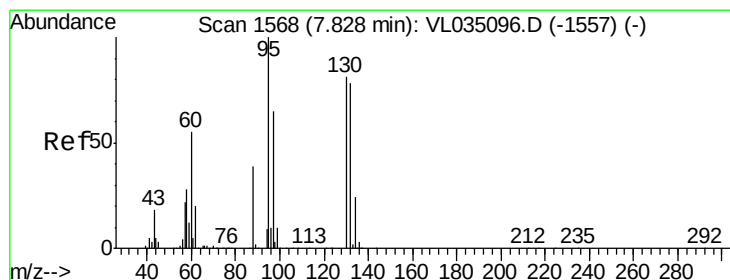
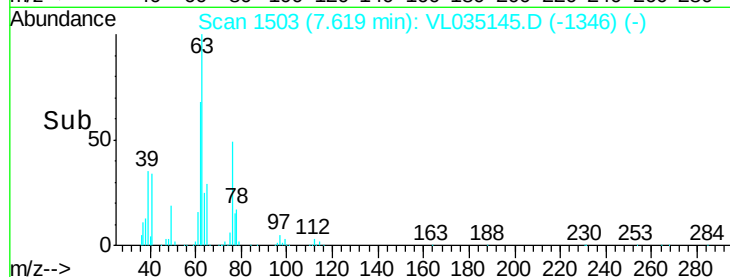
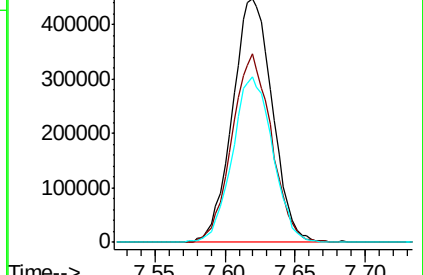
62 67.9 55.4 83.0



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: 10.247 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Tgt Ion: 88 Resp: 340662

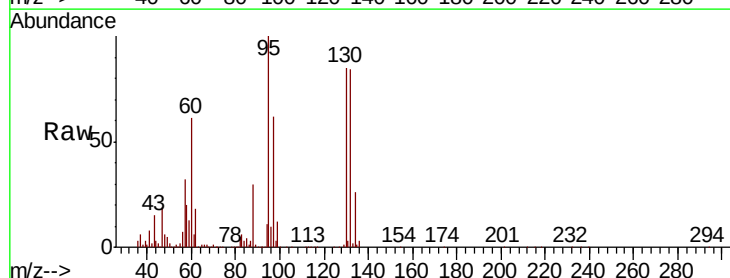
Ion Ratio Lower Upper

88 100

58 132.0 110.2 165.4

43 261.2 0.0 0.0#

57 1146.2 0.0 0.0#

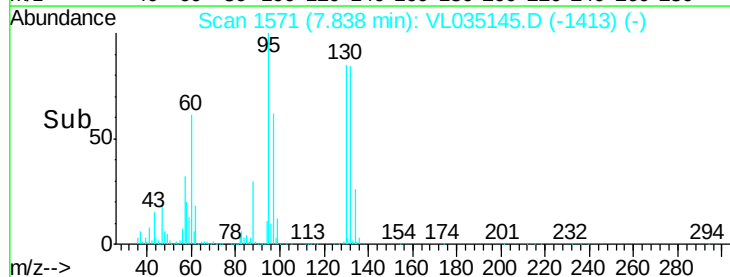
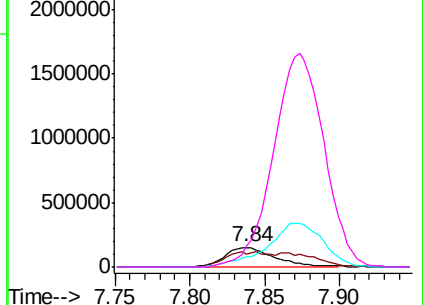


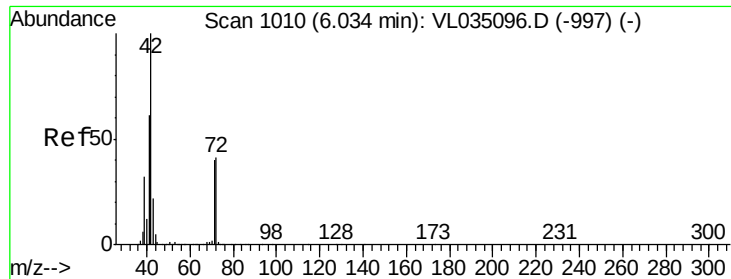
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

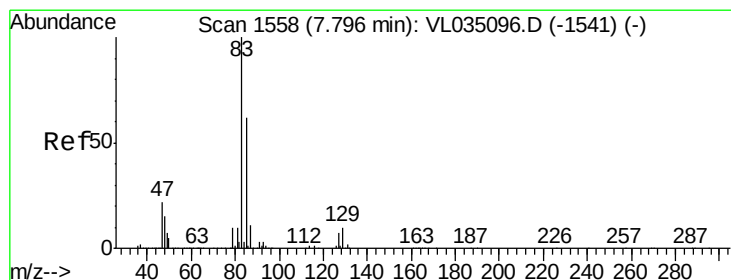
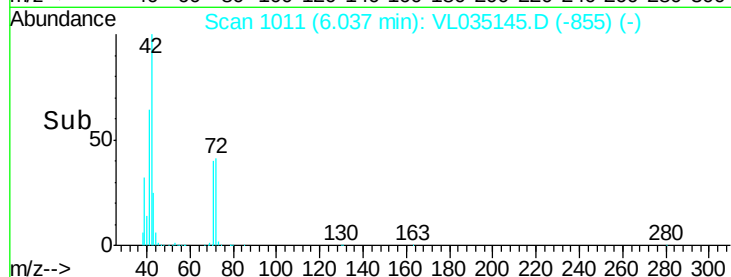
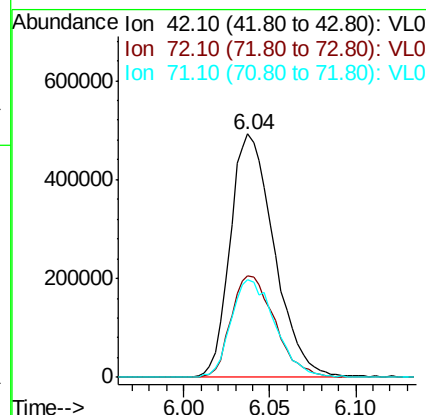
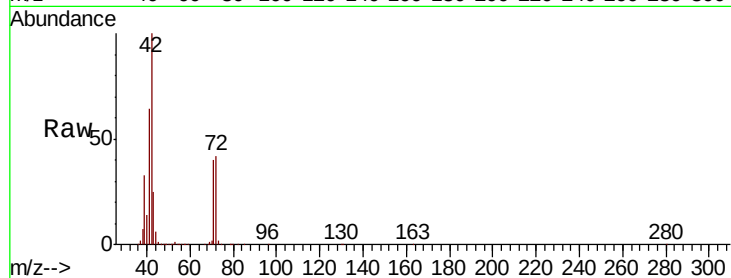




#41
Tetrahydrofuran
Concen: 10.695 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

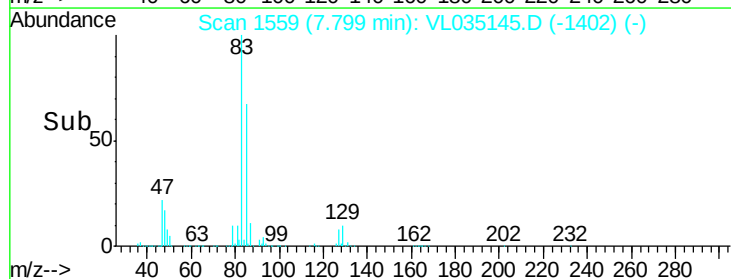
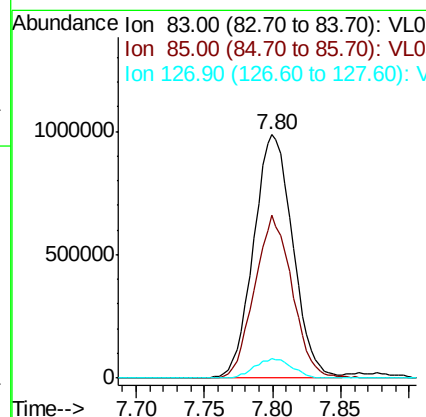
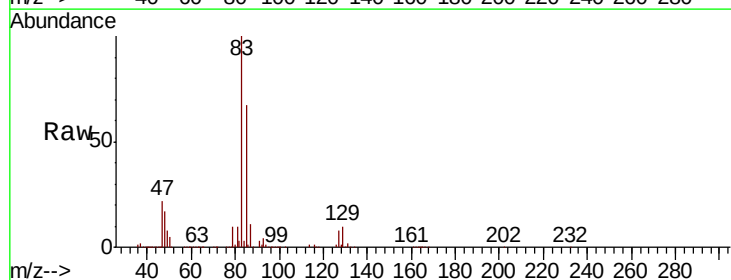
Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

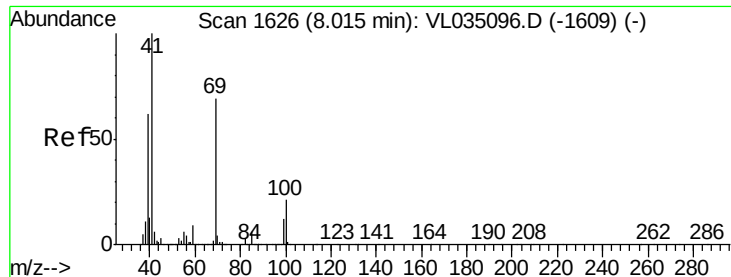
Tot Ion: 42 Resp: 873028
Ion Ratio Lower Upper
42 100
72 42.0 33.4 50.2
71 40.8 31.8 47.6



#42
Bromodichloromethane
Concen: 11.161 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 83 Resp: 1968667
Ion Ratio Lower Upper
83 100
85 67.1 49.4 74.0
127 8.0 5.9 8.9





#43

Methyl Methacrylate

Concen: 11.440 ppbv

RT: 8.02 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

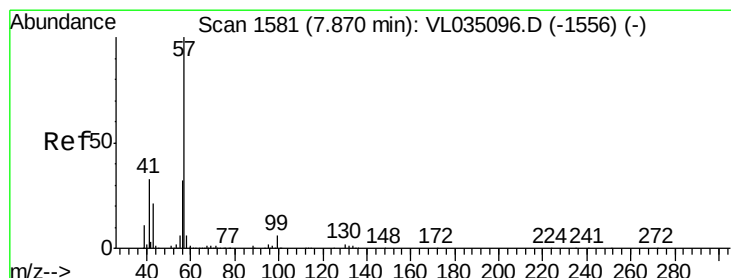
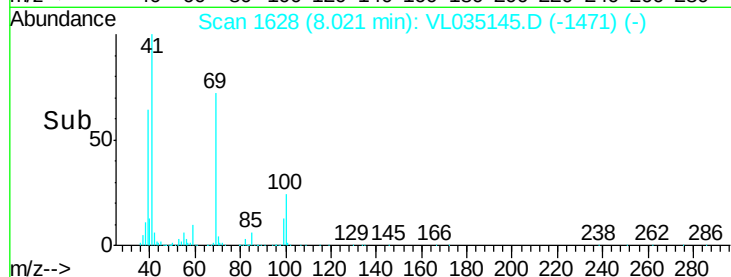
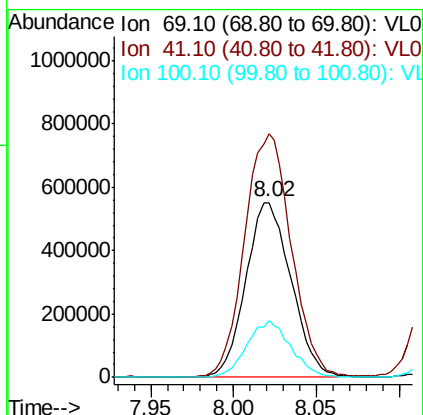
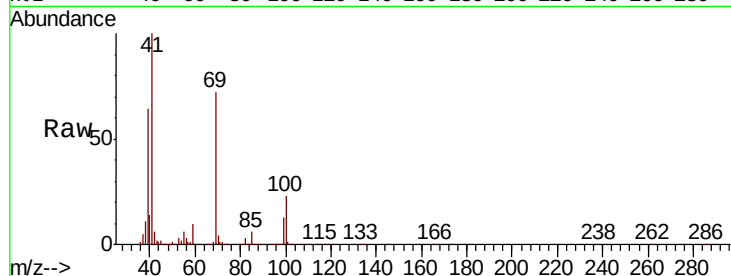
Tot Ion: 69 Resp: 1043572

Ion Ratio Lower Upper

69 100

41 144.2 116.4 174.6

100 31.5 25.3 37.9



#44

2,2,4-Trimethylpentane

Concen: 10.371 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

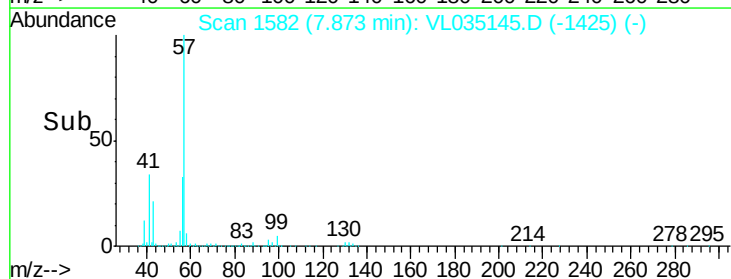
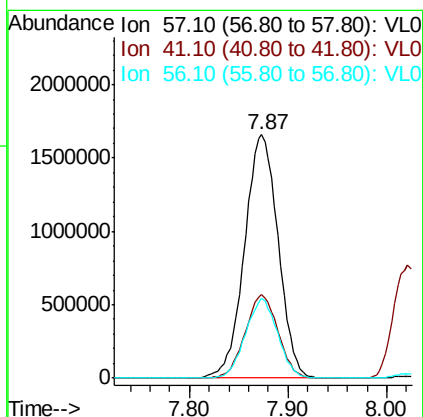
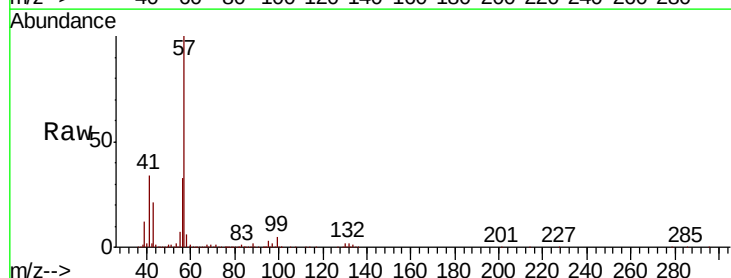
Tgt Ion: 57 Resp: 3900753

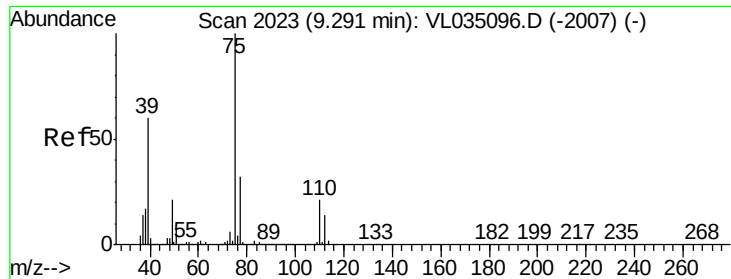
Ion Ratio Lower Upper

57 100

41 33.6 26.2 39.2

56 31.3 25.4 38.2

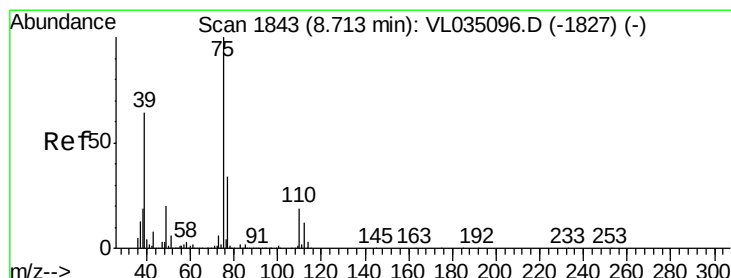
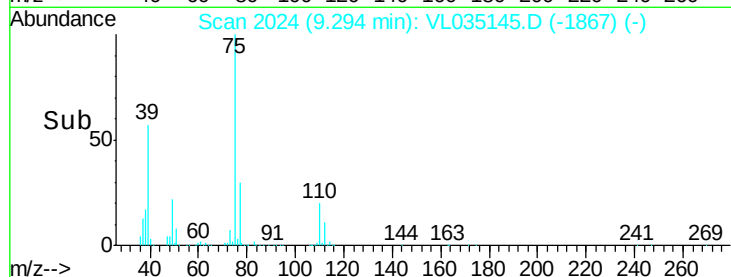
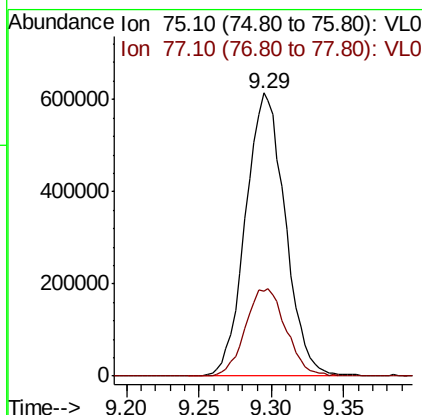
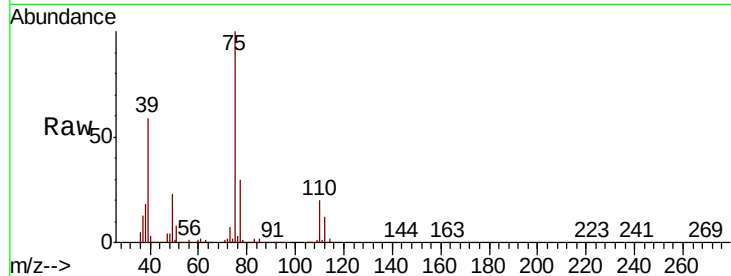




#45
t-1,3-Dichloropropene
Concen: 13.154 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

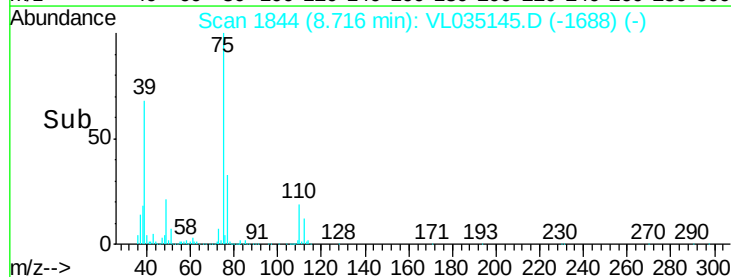
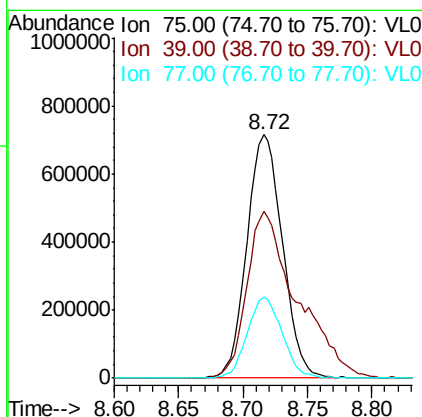
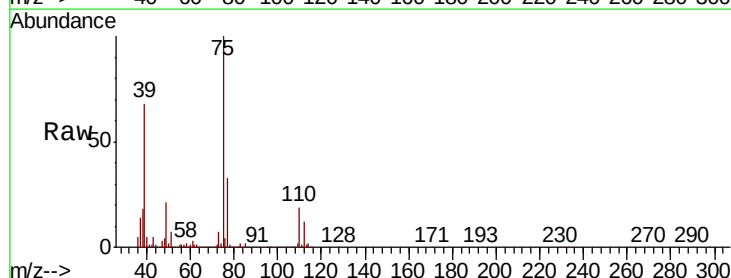
Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

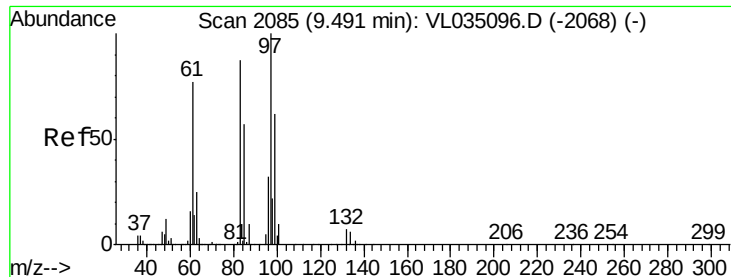
Tot Ion: 75 Resp: 1167755
Ion Ratio Lower Upper
75 100
77 30.1 25.5 38.3



#46
cis-1,3-Dichloropropene
Concen: 12.513 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 75 Resp: 1379945
Ion Ratio Lower Upper
75 100
39 68.2 51.1 76.7
77 33.5 26.9 40.3

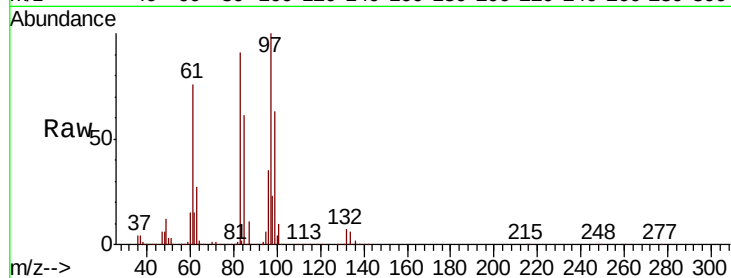




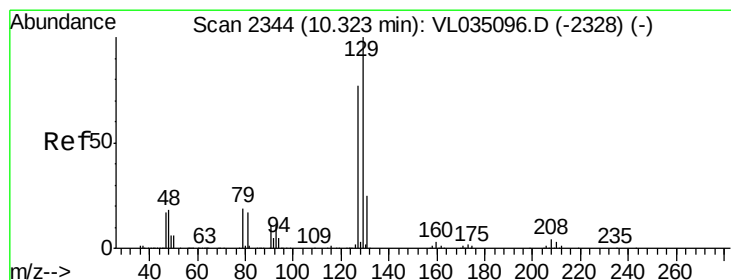
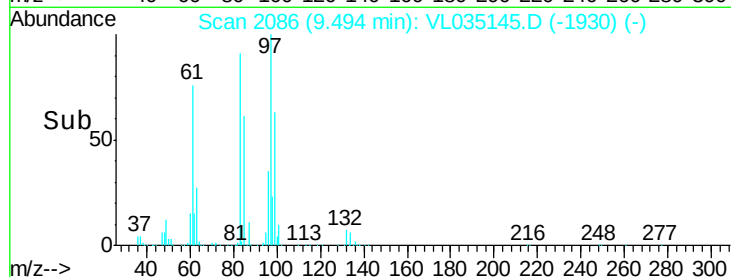
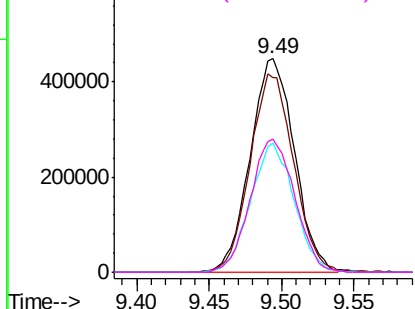
#47
 1,1,2-Trichloroethane
 Concen: 10.366 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.4	69.5	104.3
85	60.6	46.0	69.0
99	62.5	49.6	74.4

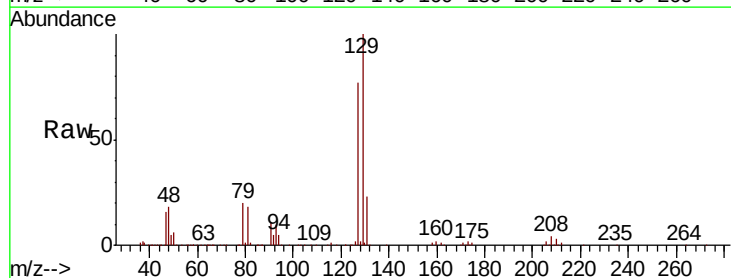


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

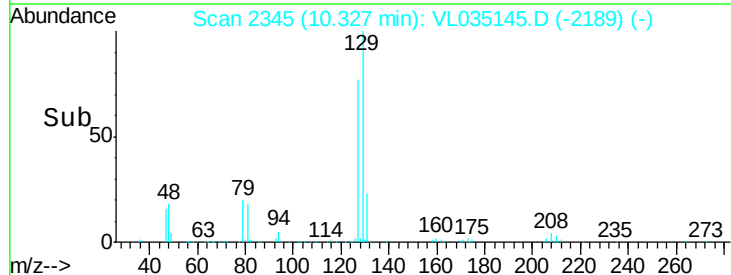
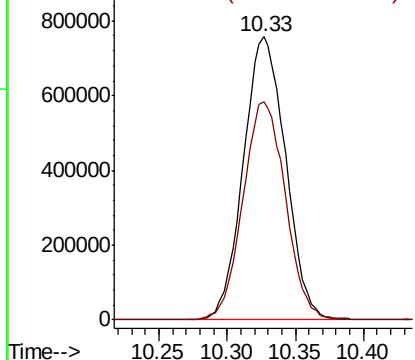


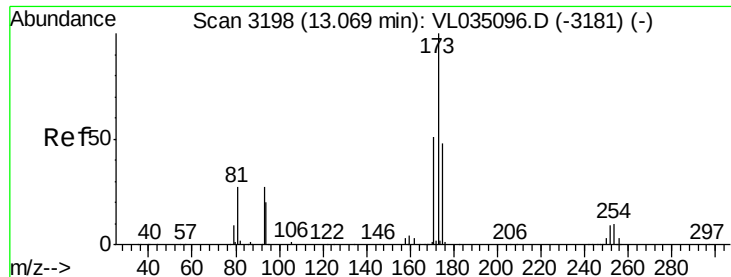
#48
 Dibromochloromethane
 Concen: 11.871 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.00 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.3	117.8



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.058 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

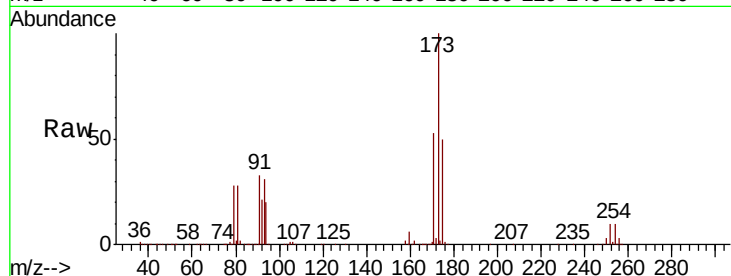
Tot Ion:173 Resp: 1404732

Ion Ratio Lower Upper

173 100

175 48.8 39.1 58.7

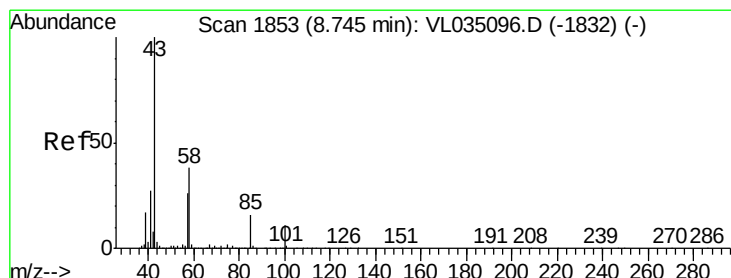
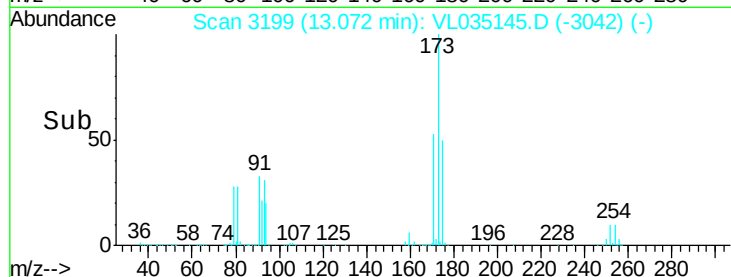
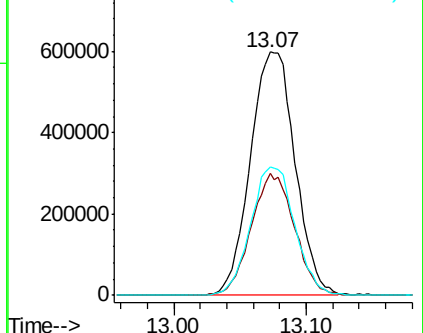
171 52.2 41.7 62.5



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: 10.696 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL035145.D

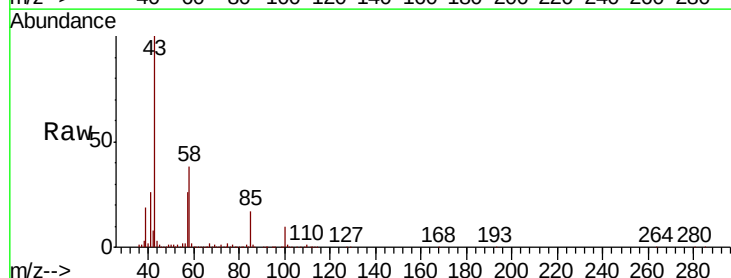
Acq: 6 Jul 2020 13:01

Tgt Ion: 43 Resp: 2428812

Ion Ratio Lower Upper

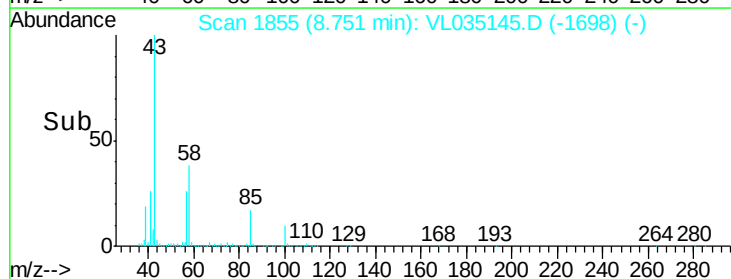
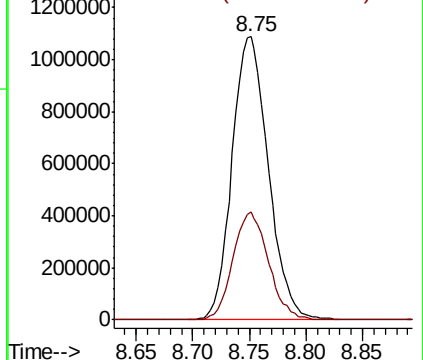
43 100

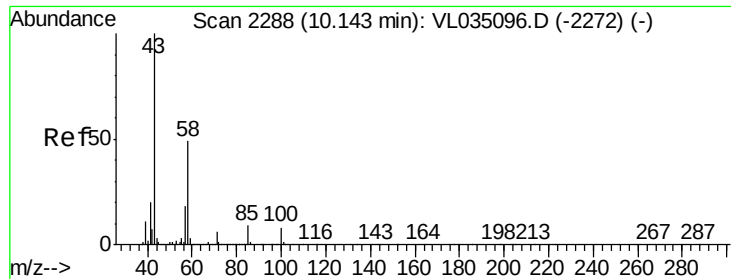
58 37.4 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

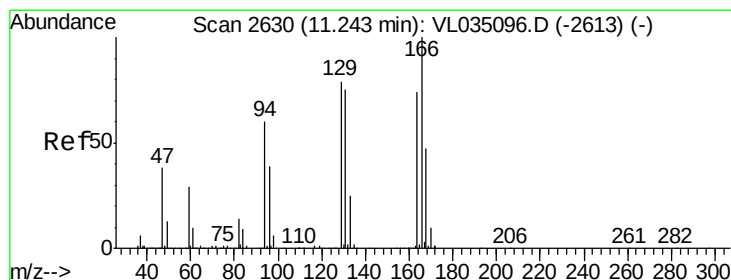
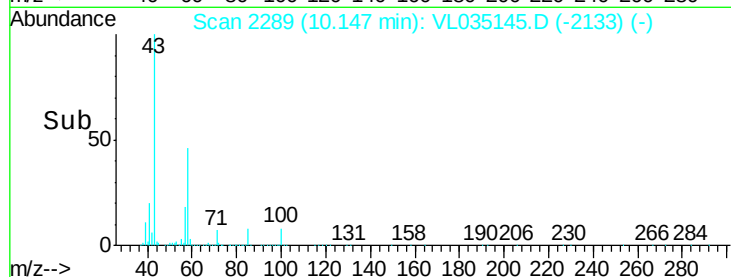
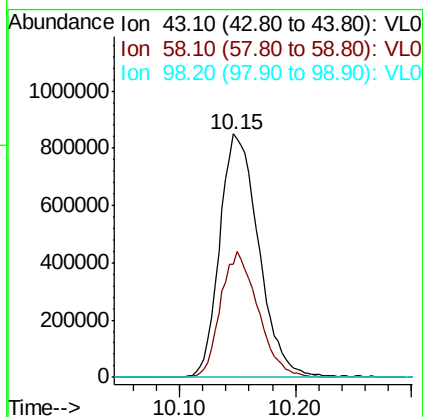
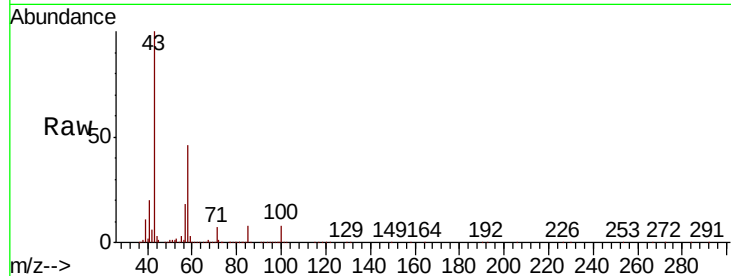




#51
2-Hexanone
Concen: 11.017 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

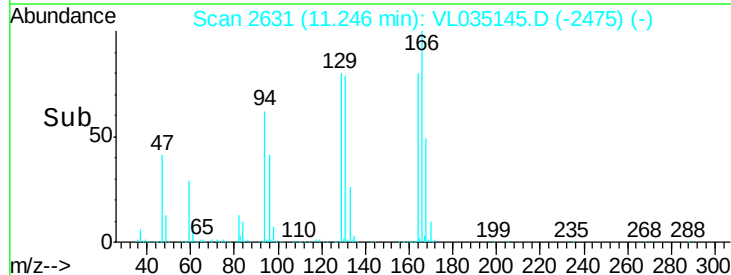
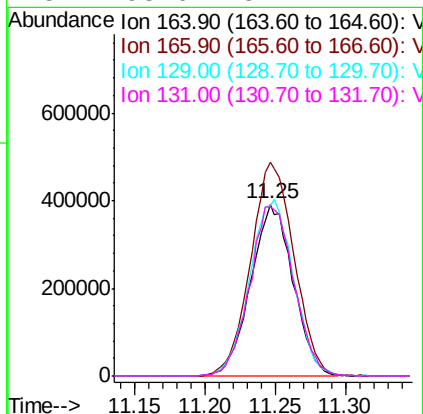
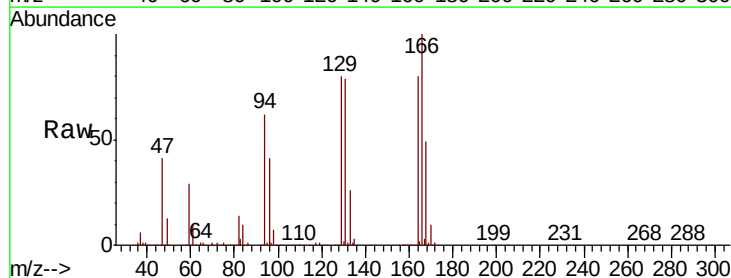
Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

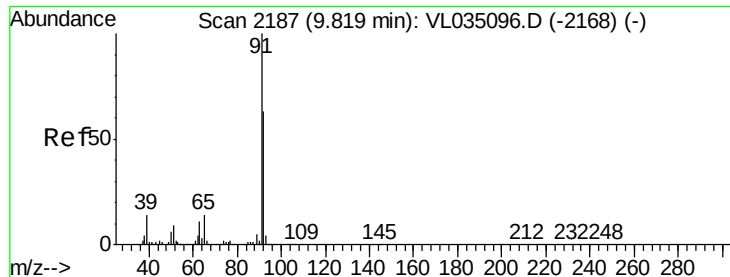
Tot Ion: 43 Resp: 1959122
Ion Ratio Lower Upper
43 100
58 50.2 39.2 58.8
98 0.3 0.3 0.5



#52
Tetrachloroethene
Concen: 10.777 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 164 Resp: 818367
Ion Ratio Lower Upper
164 100
166 124.6 107.5 161.3
129 99.5 84.9 127.3
131 98.6 81.1 121.7





#53

Toluene

Concen: 11.613 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

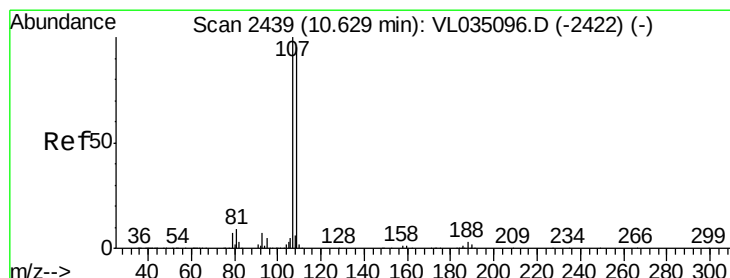
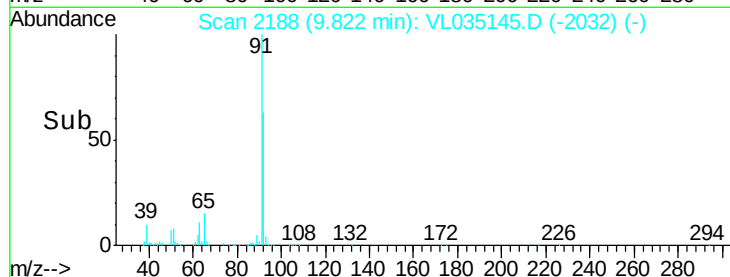
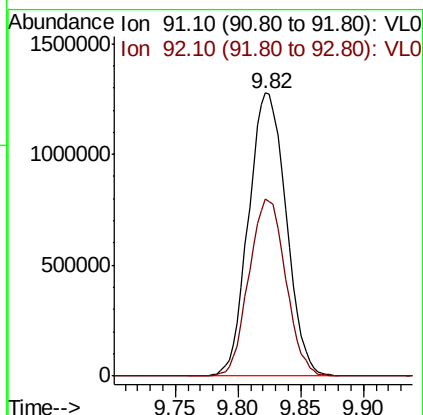
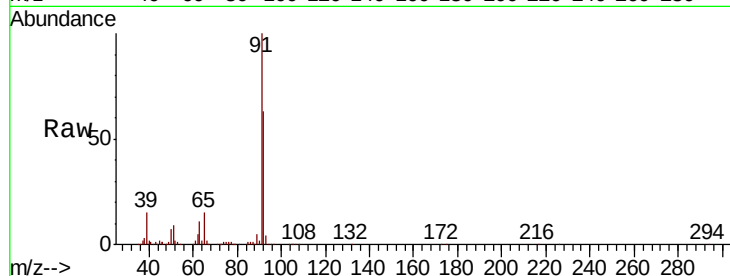
VL0706ABS01

Tot Ion: 91 Resp: 2669318

Ion Ratio Lower Upper

91 100

92 61.1 49.0 73.6



#54

1,2-Dibromoethane

Concen: 10.732 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.00 min

Lab File: VL035145.D

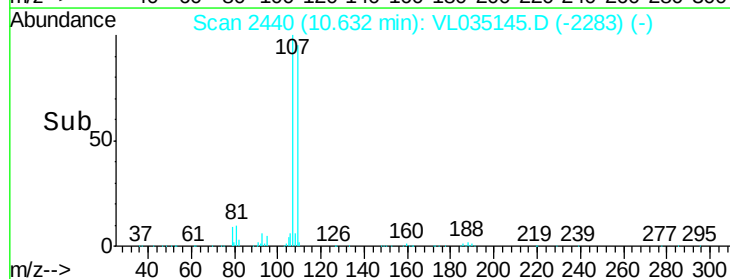
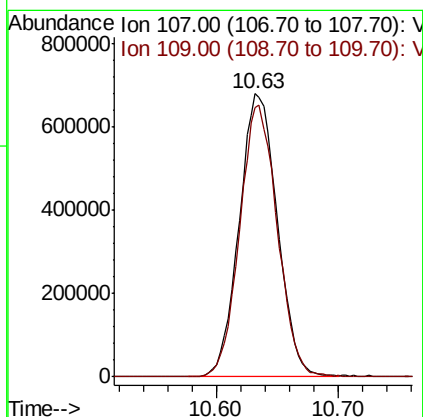
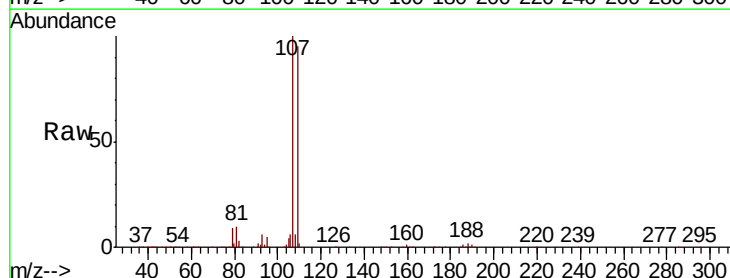
Acq: 6 Jul 2020 13:01

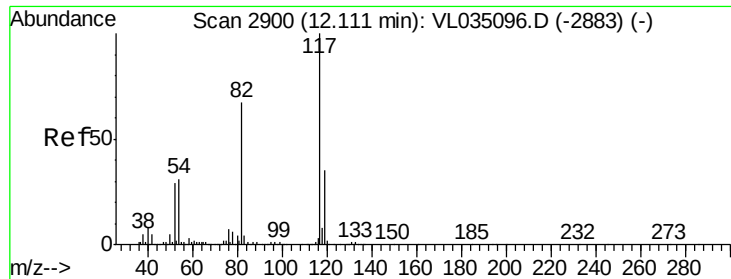
Tgt Ion: 107 Resp: 1461791

Ion Ratio Lower Upper

107 100

109 94.9 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

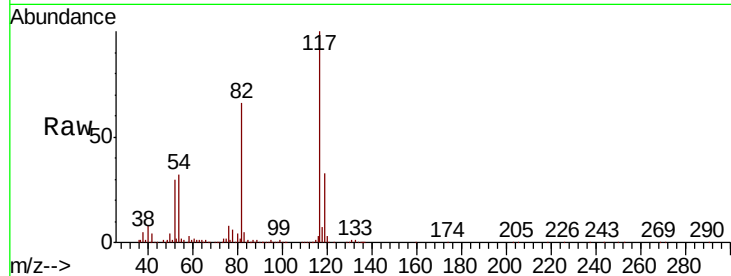
Tot Ion:117 Resp: 3400482

Ion Ratio Lower Upper

117 100

82 54.8 50.4 75.6

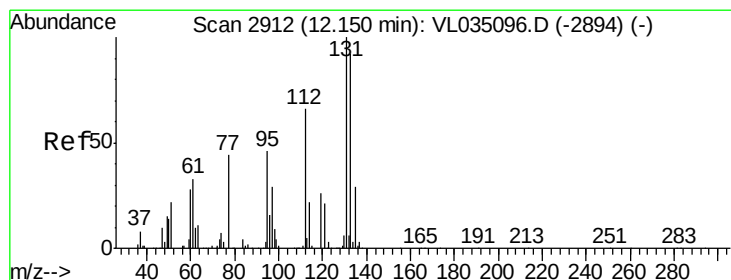
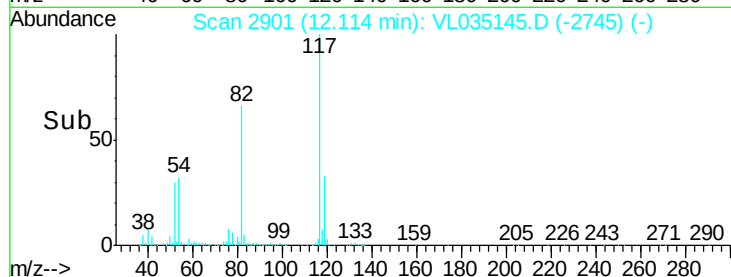
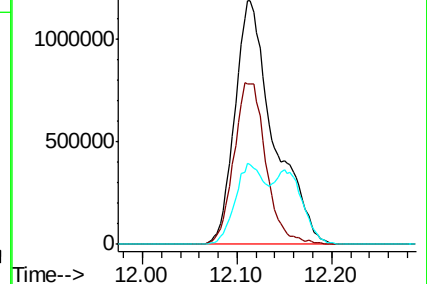
119 25.3 25.4 38.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.900 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

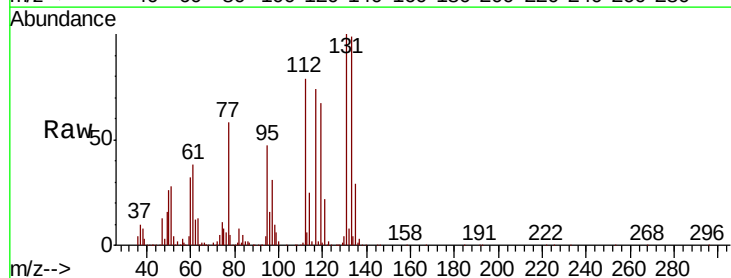
Tgt Ion:131 Resp: 1238515

Ion Ratio Lower Upper

131 100

133 94.8 76.2 114.4

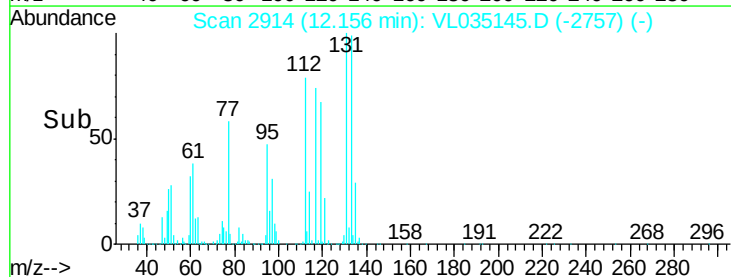
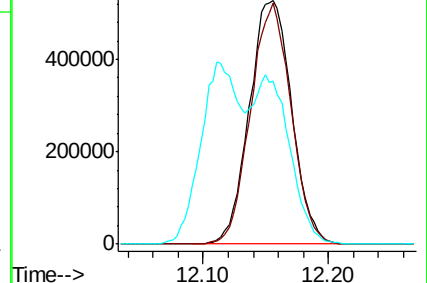
119 62.7 114.6 172.0#

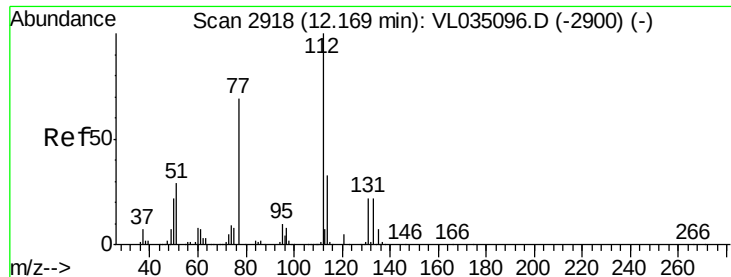


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

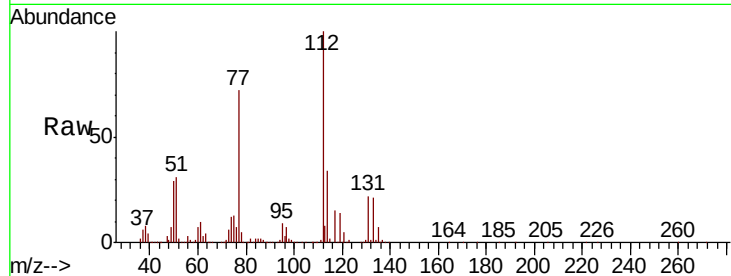




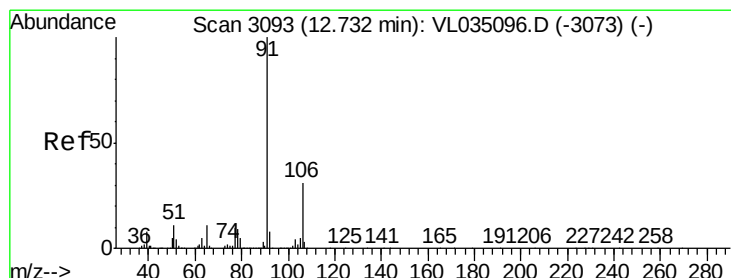
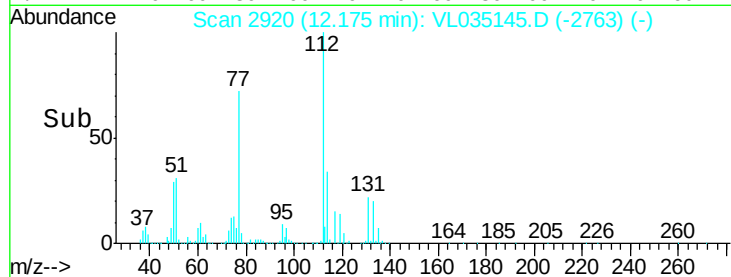
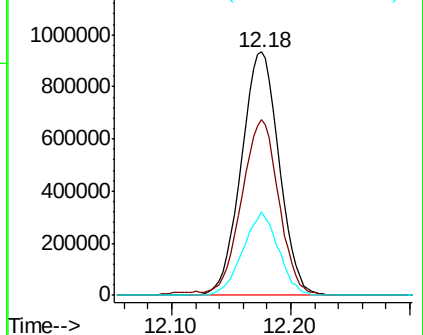
#57
Chlorobenzene
Concen: 8.197 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion:112 Resp: 2051109
Ion Ratio Lower Upper
112 100
77 72.0 56.7 85.1
114 34.4 29.3 35.9

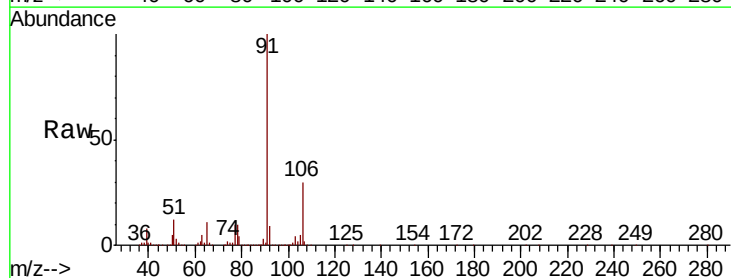


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

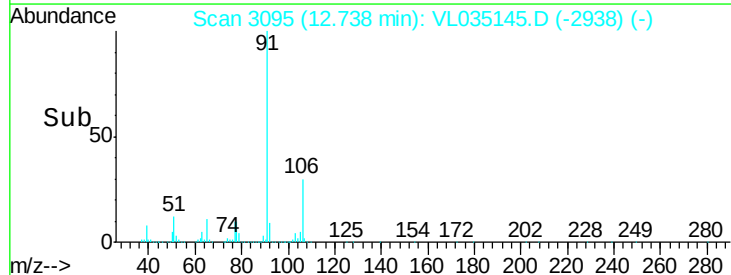
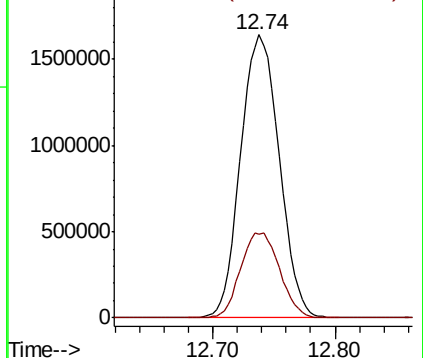


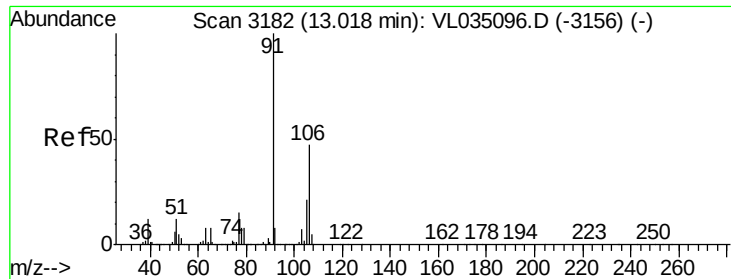
#58
Ethyl Benzene
Concen: 9.402 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 91 Resp: 3592185
Ion Ratio Lower Upper
91 100
106 29.7 25.0 37.6



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

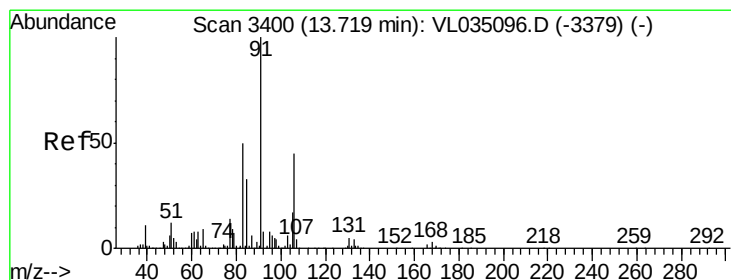
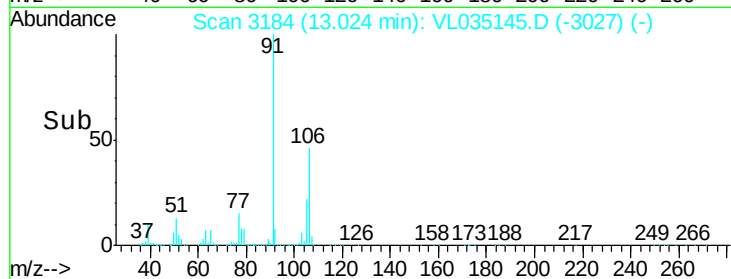
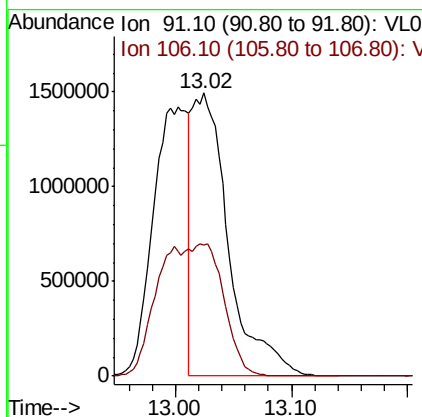
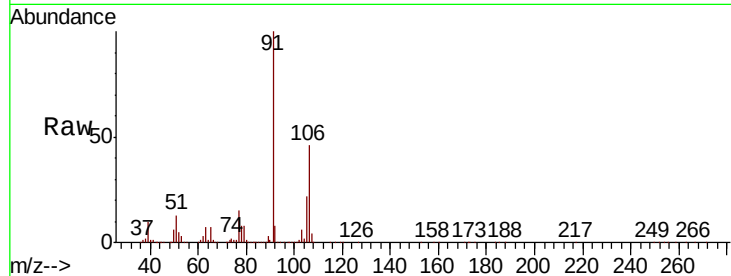




#59
m/p-Xylene
Concen: 9.538 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. 0.01 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

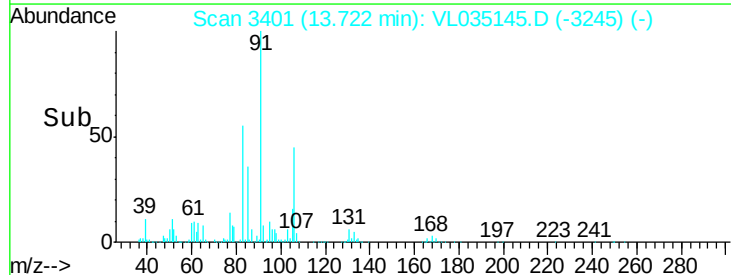
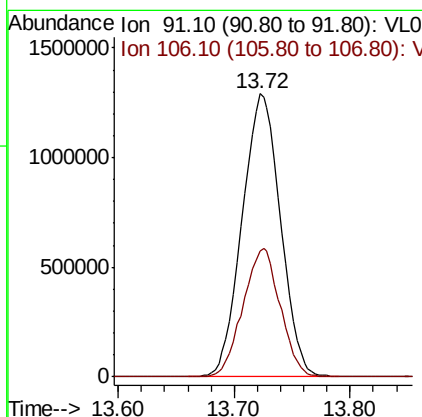
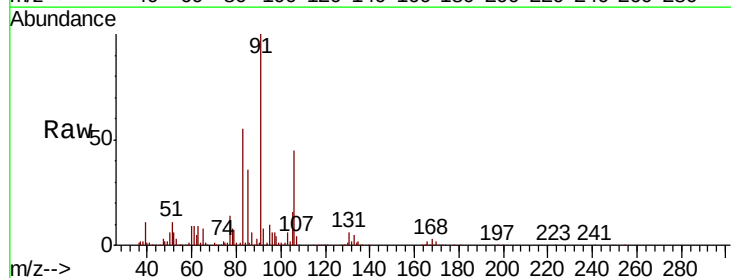
Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

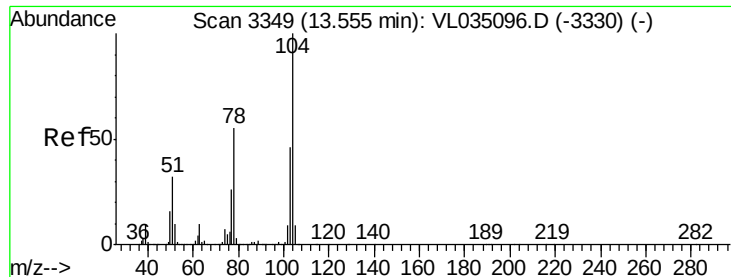
Tot Ion: 91 Resp: 3229415
Ion Ratio Lower Upper
91 100
106 84.3 36.5 54.7#



#60
o-Xylene
Concen: 8.782 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL035145.D
Acq: 6 Jul 2020 13:01

Tgt Ion: 91 Resp: 2960298
Ion Ratio Lower Upper
91 100
106 44.3 22.1 66.5





#61

Stvrene

Concen: 9.945 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

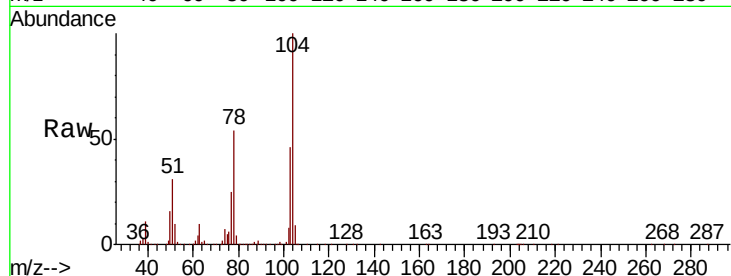
Tot Ion:104 Resp: 2109507

Ion Ratio Lower Upper

104 100

78 54.2 43.4 65.0

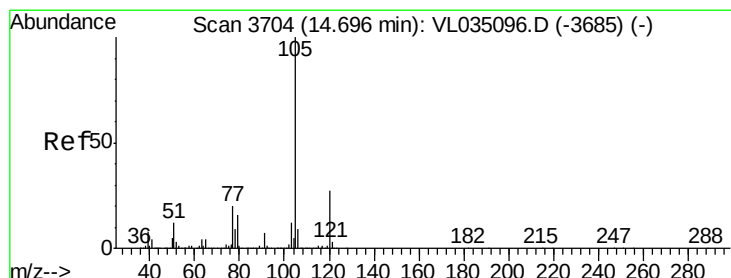
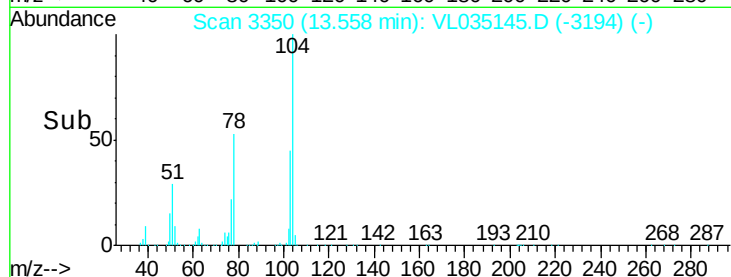
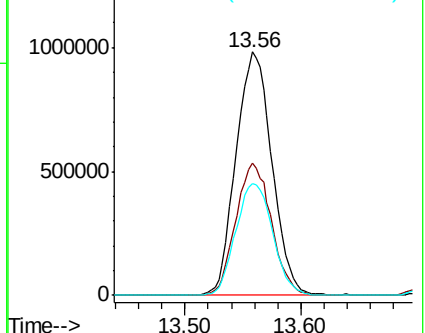
103 47.5 38.3 57.5



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: 8.680 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.01 min

Lab File: VL035145.D

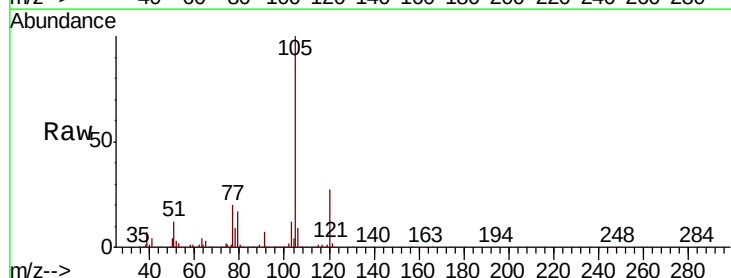
Acq: 6 Jul 2020 13:01

Tgt Ion:105 Resp: 4366295

Ion Ratio Lower Upper

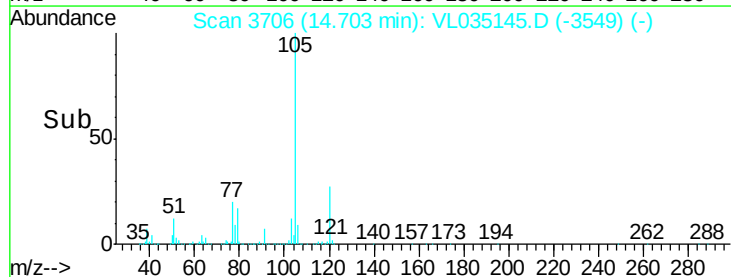
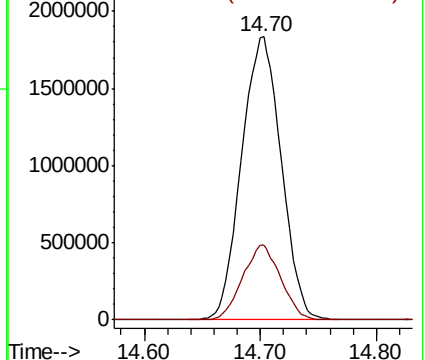
105 100

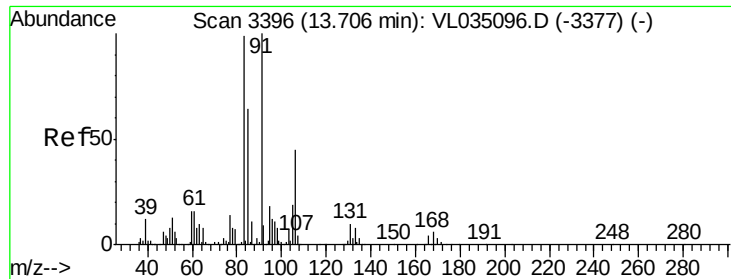
120 25.4 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

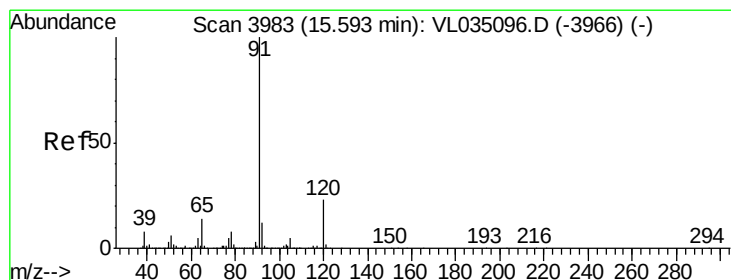
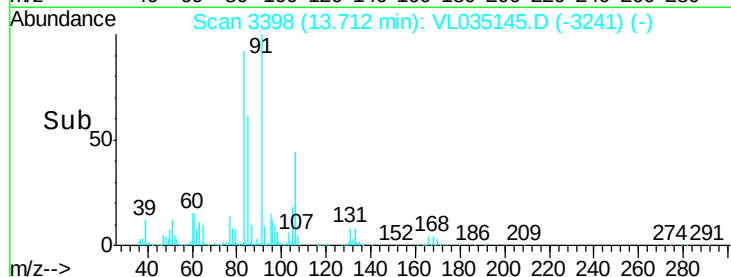
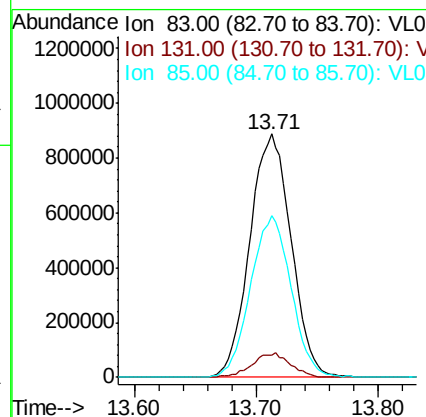
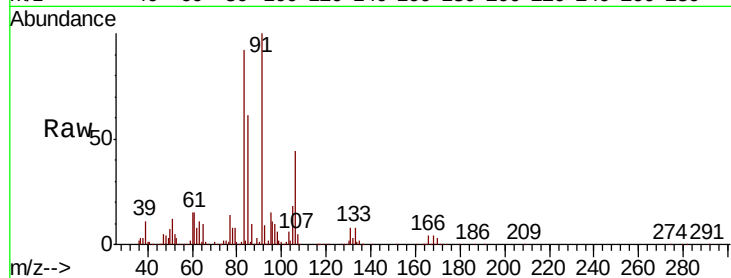




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.603 ppbv
 RT: 13.71 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

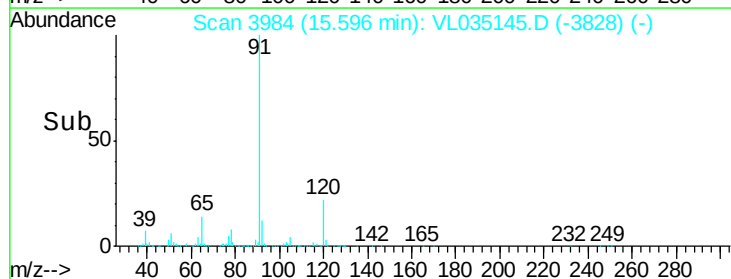
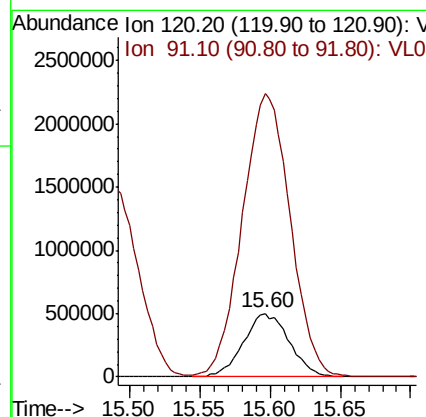
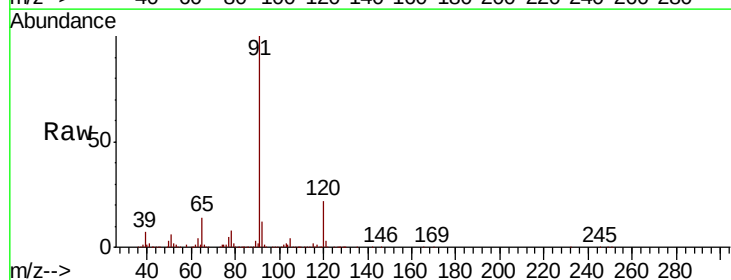
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

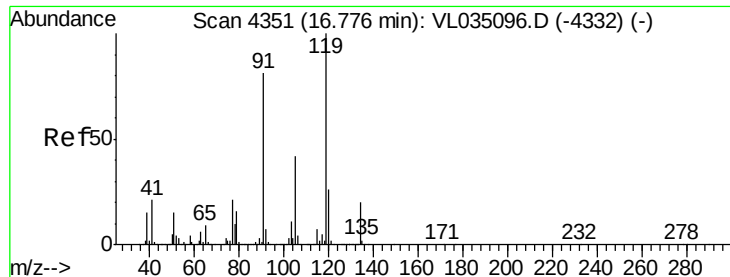
Tot Ion: 83 Resp: 2075780
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 65.3 32.4 97.0



#64
 n-propylbenzene
 Concen: 8.838 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion:120 Resp: 1134525
 Ion Ratio Lower Upper
 120 100
 91 469.3 367.9 551.9





#65

tert-Butylbenzene

Concen: 8.789 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

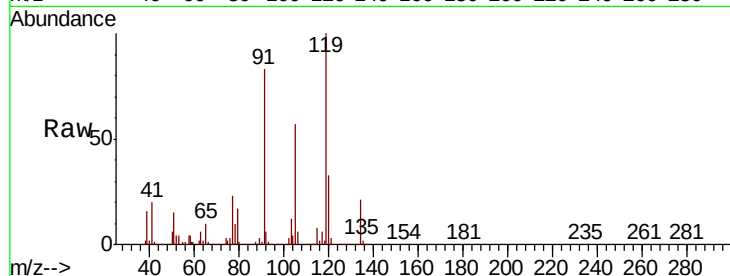
Tot Ion:119 Resp: 3785893

Ion Ratio Lower Upper

119 100

91 84.8 67.6 101.4

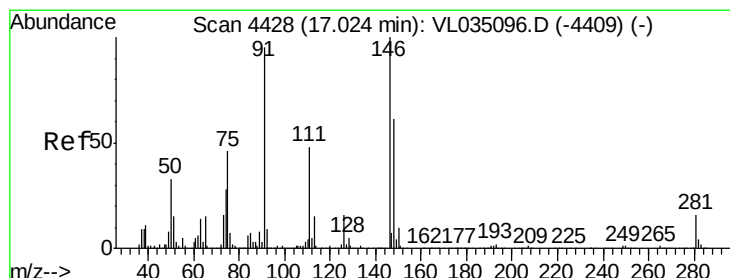
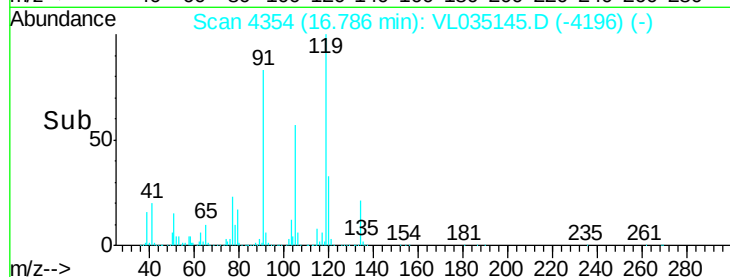
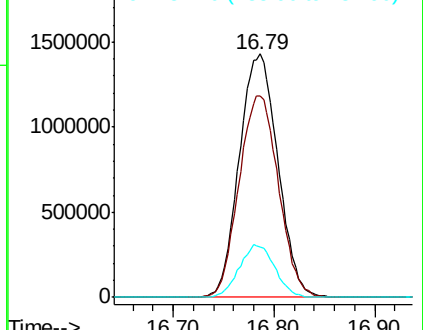
134 19.9 15.7 23.5



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.648 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

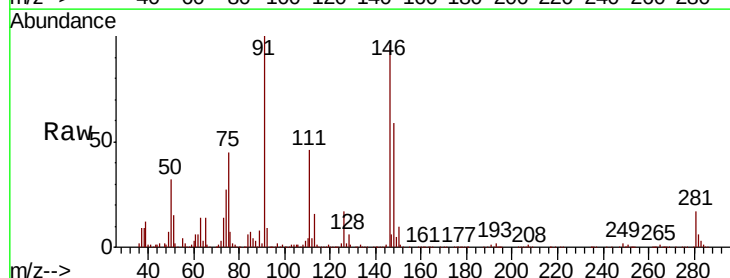
Tgt Ion: 91 Resp: 1549941

Ion Ratio Lower Upper

91 100

126 16.2 13.5 20.3

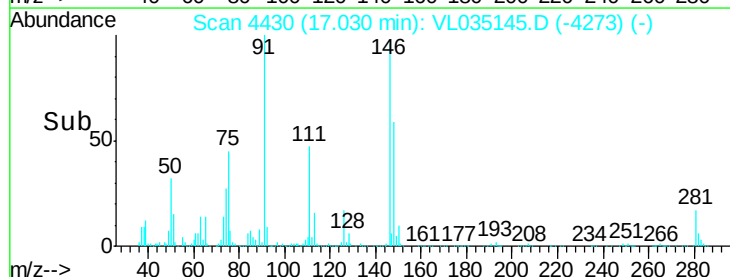
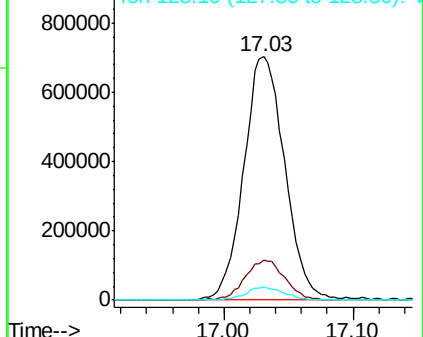
128 5.0 4.3 6.5

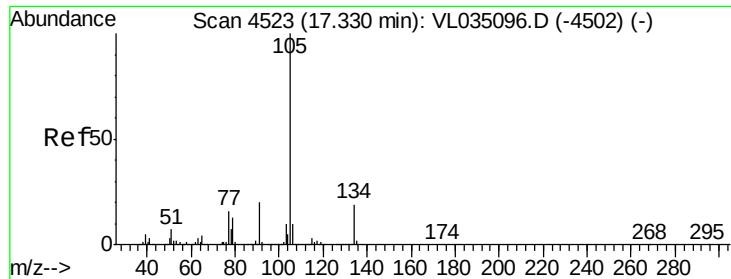


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.602 ppbv

RT: 17.34 min Scan# 4525

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

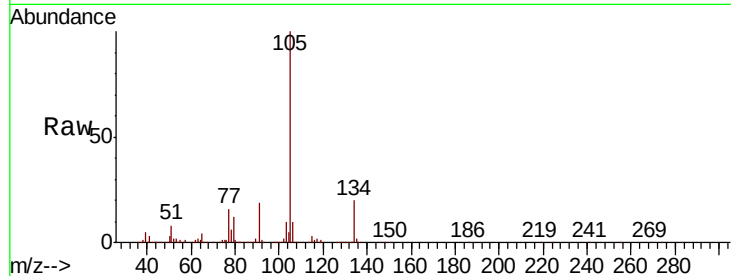
VL0706ABS01

Tot Ion:105 Resp: 5310508

Ion Ratio Lower Upper

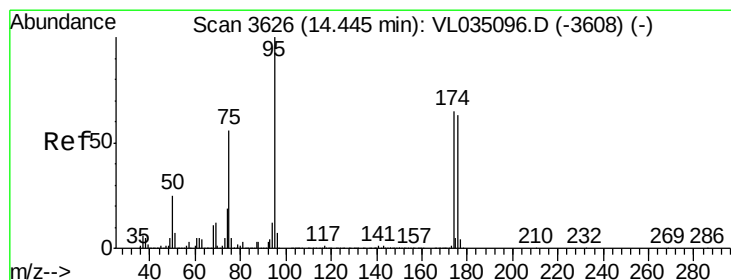
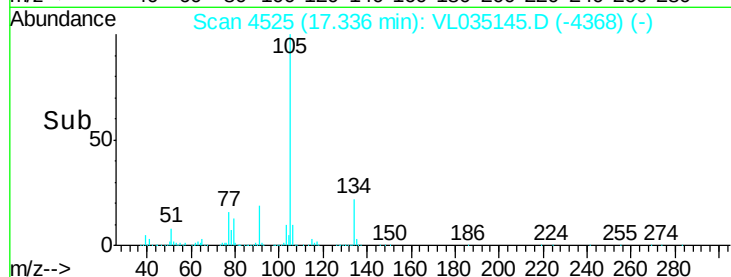
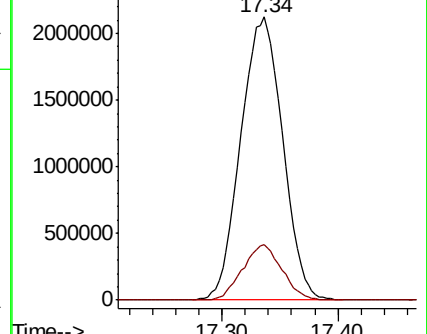
105 100

134 18.5 14.7 22.1



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: 8.105 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

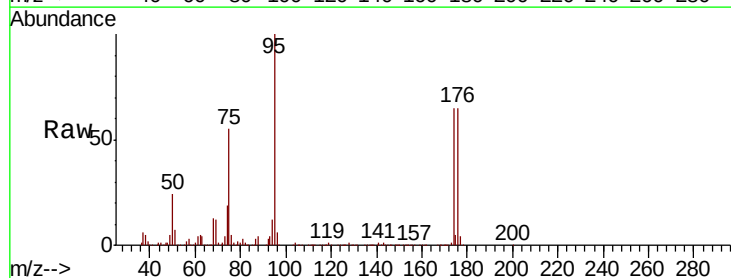
Tgt Ion: 95 Resp: 2289508

Ion Ratio Lower Upper

95 100

174 65.0 52.2 78.2

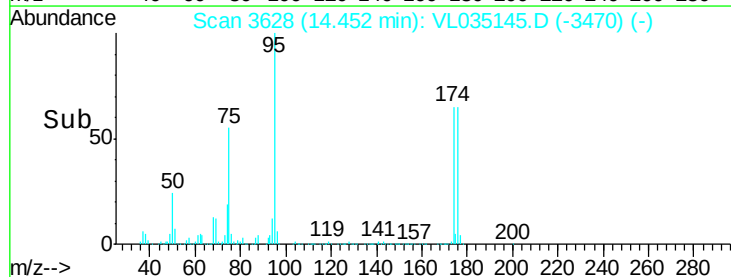
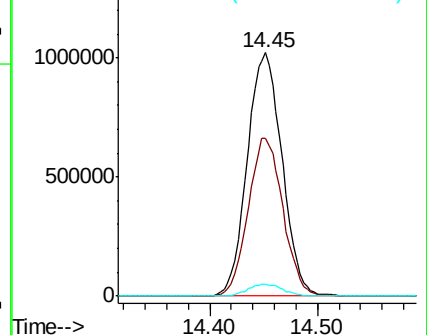
175 4.8 4.0 6.0

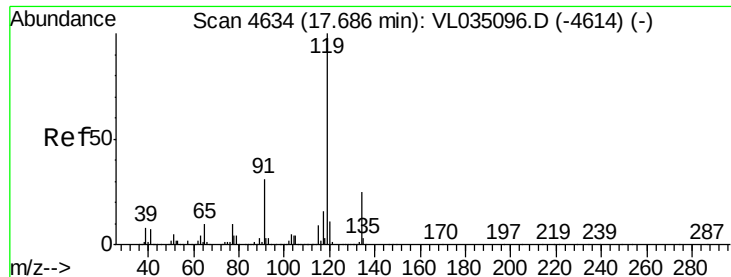


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

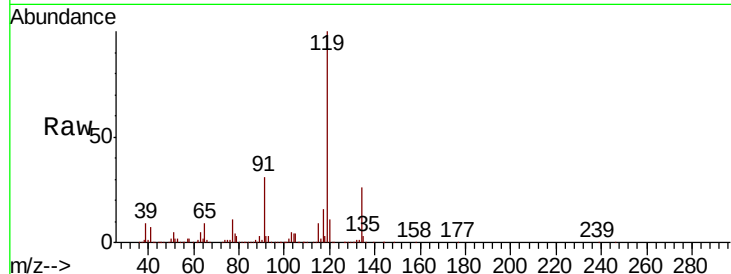




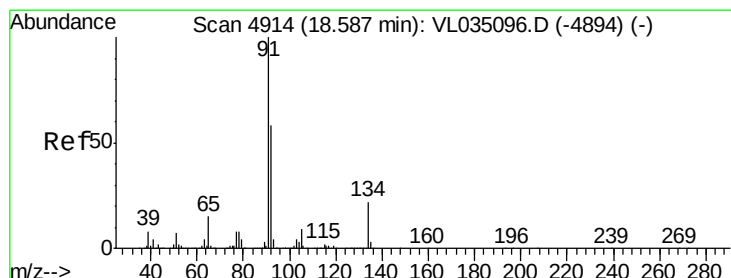
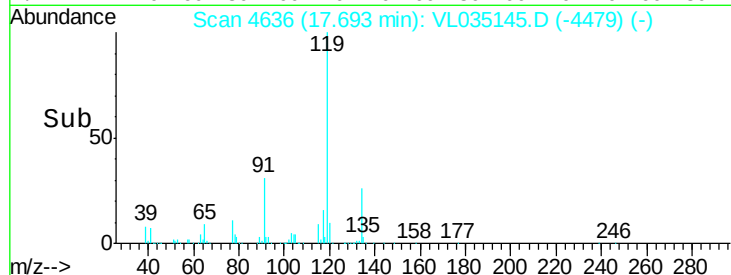
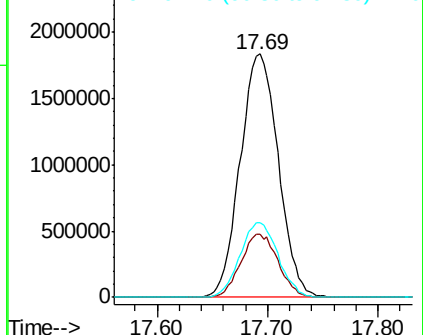
#69
 p-Isopropyltoluene
 Concen: 8.935 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion:119 Resp: 4399866
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.4 30.6
 91 30.9 24.5 36.7

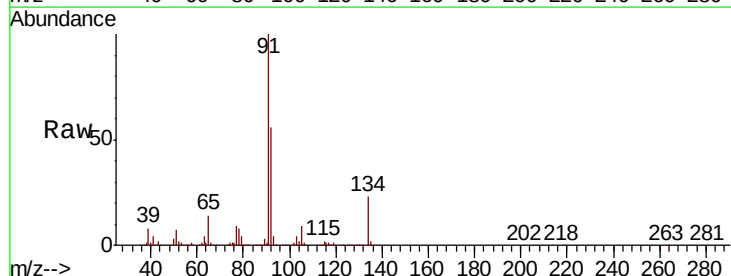


Abundance Ion 119.10 (118.80 to 119.80): V
 2500000 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0

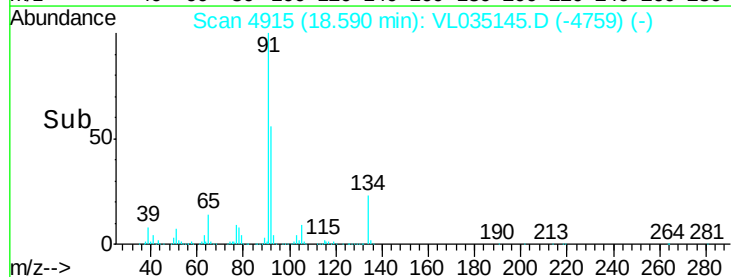
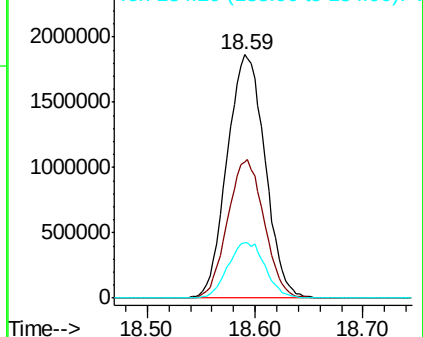


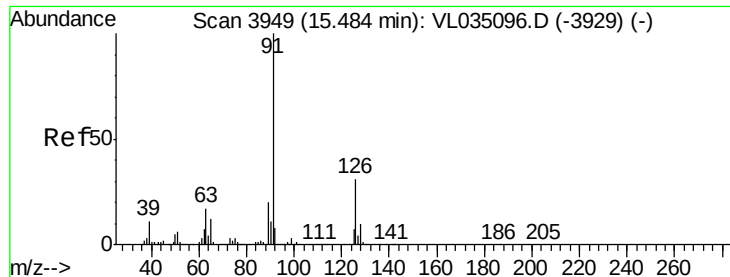
#70
 n-Butylbenzene
 Concen: 8.607 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.00 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion: 91 Resp: 4565767
 Ion Ratio Lower Upper
 91 100
 92 55.0 44.4 66.6
 134 22.6 18.0 27.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 2500000 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

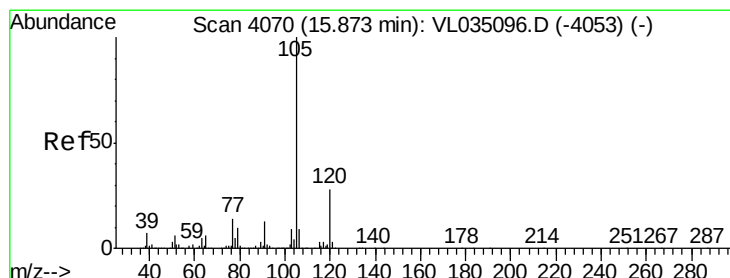
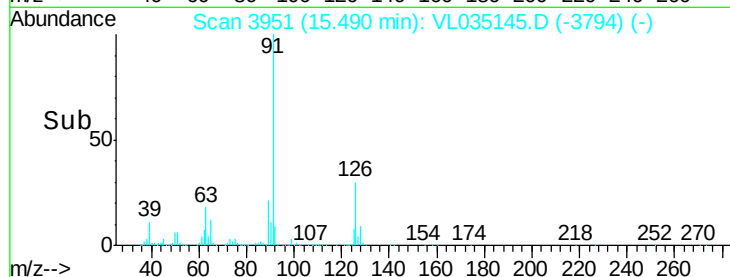
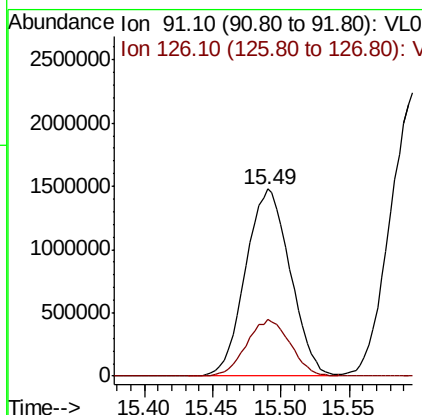
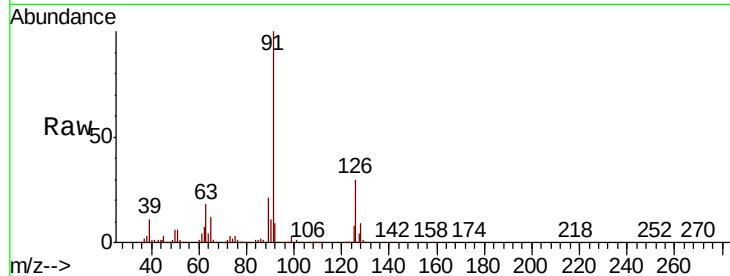




#71
 2-Chlorotoluene
 Concen: 8.863 ppbv
 RT: 15.49 min Scan# 3951
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

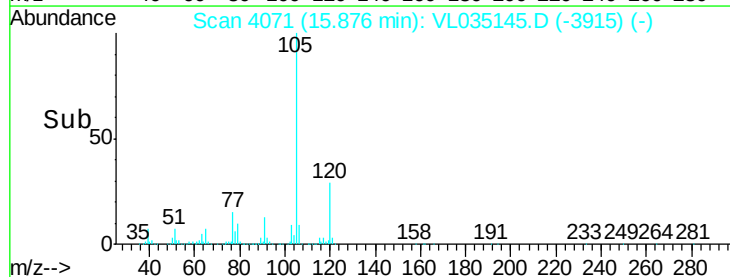
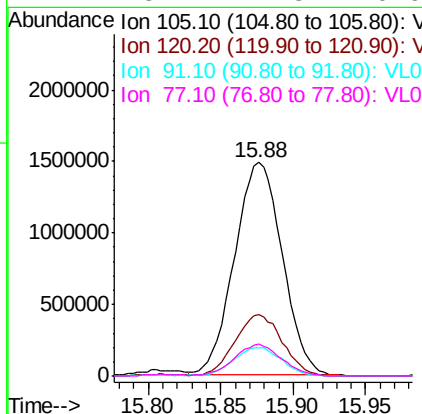
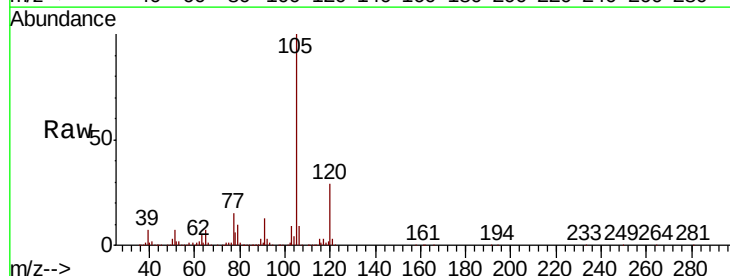
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

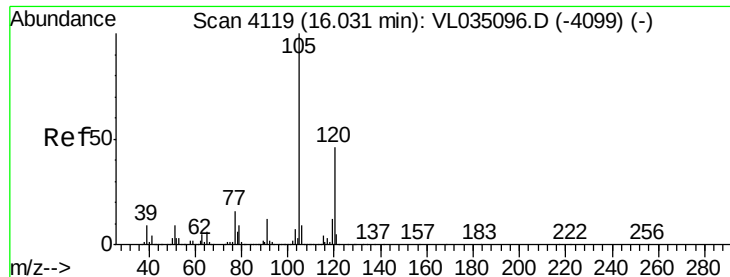
Tot Ion: 91 Resp: 3369883
 Ion Ratio Lower Upper
 91 100
 126 29.6 12.0 48.0



#72
 4-Ethyltoluene
 Concen: 9.064 ppbv
 RT: 15.88 min Scan# 4071
 Delta R.T. 0.00 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion: 105 Resp: 3399003
 Ion Ratio Lower Upper
 105 100
 120 29.1 23.4 35.0
 91 14.1 10.6 16.0
 77 15.2 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 9.102 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

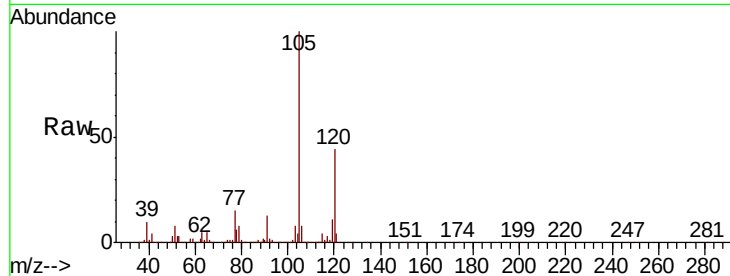
VL0706ABS01

Tot Ion:105 Resp: 3226525

Ion Ratio Lower Upper

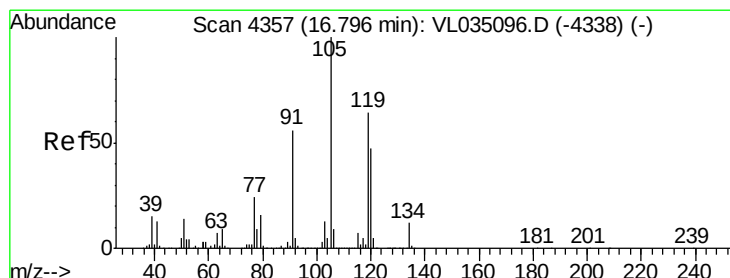
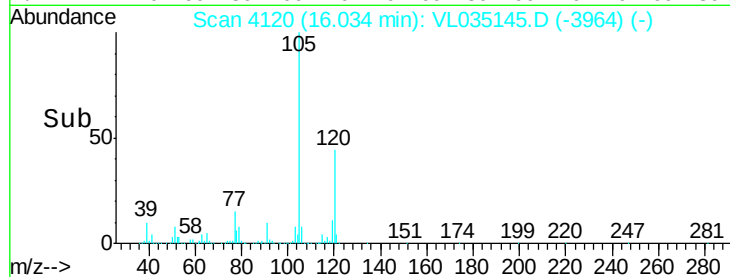
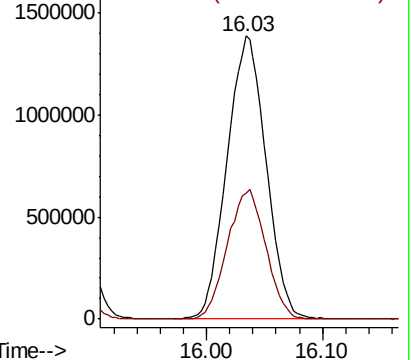
105 100

120 44.3 37.0 55.6



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: 8.434 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Tgt Ion:105 Resp: 3336646

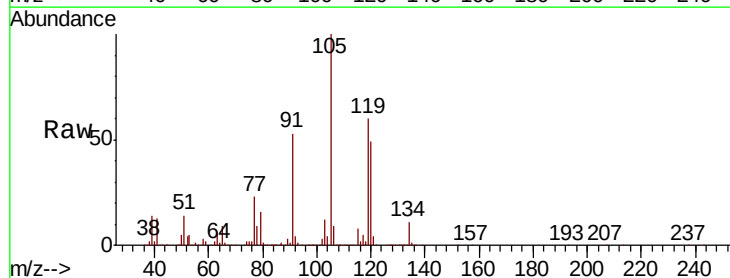
Ion Ratio Lower Upper

105 100

120 48.4 37.9 56.9

91 52.5 46.0 69.0

77 22.8 19.4 29.2

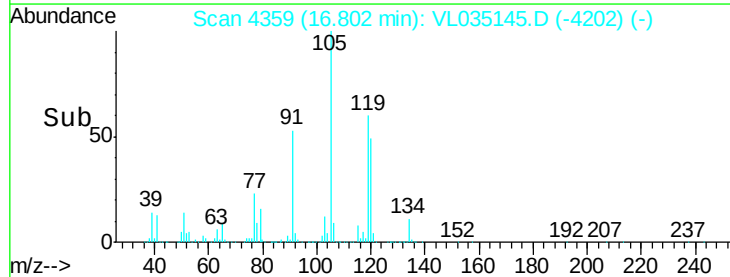
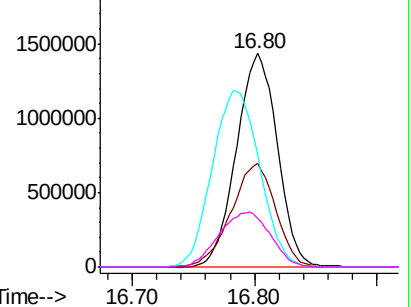


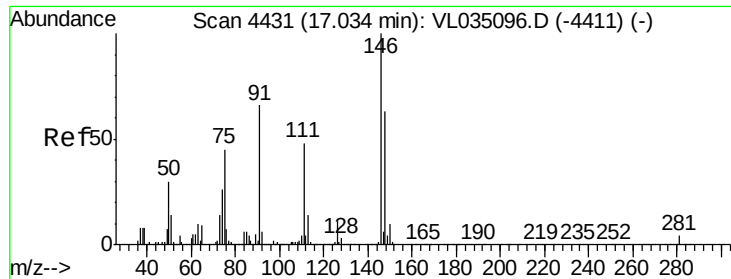
Abundance Ion 105.10 (104.80 to 105.80): V

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

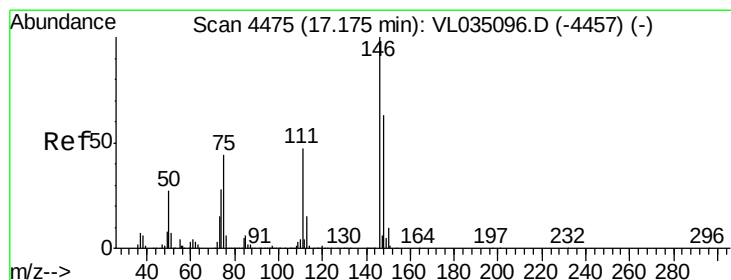
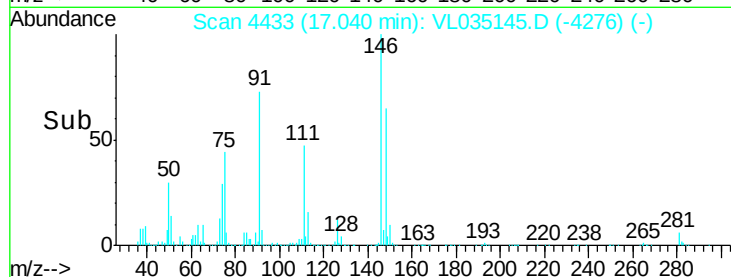
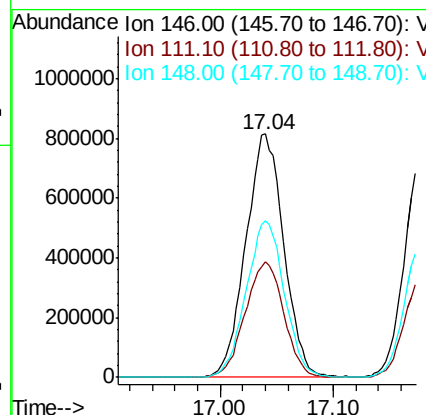
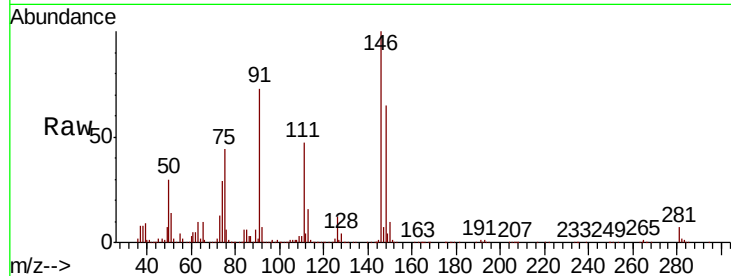




#75
 1,3-Dichlorobenzene
 Concen: 8.064 ppbv
 RT: 17.04 min Scan# 4433
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

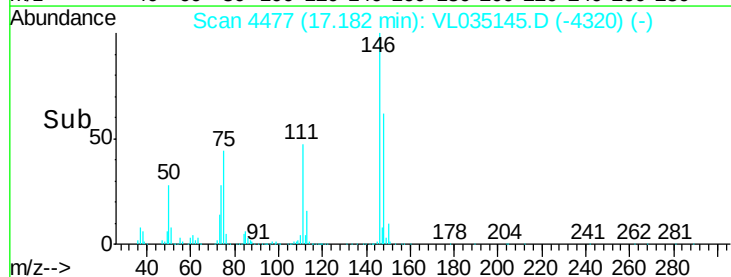
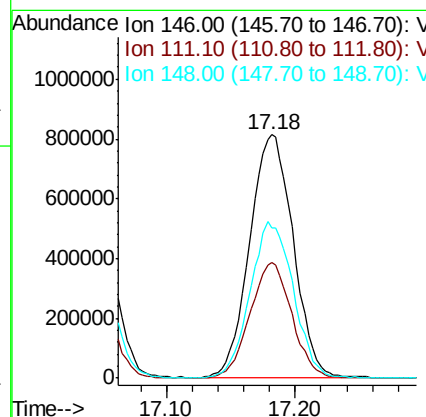
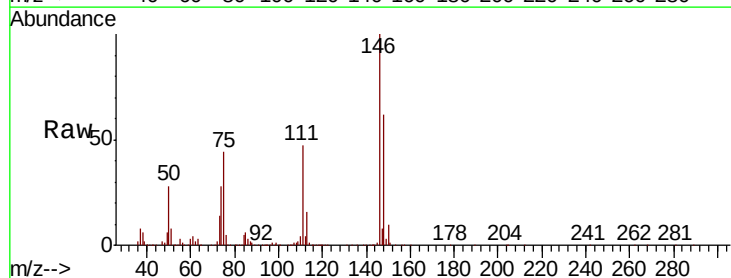
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

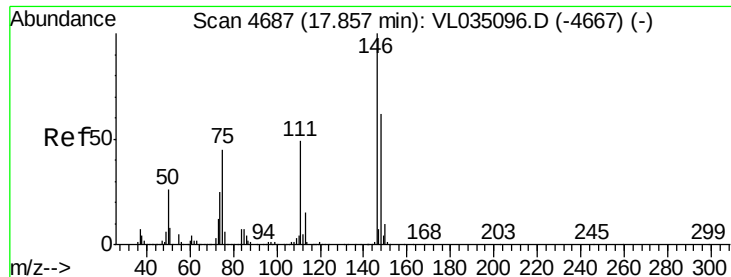
Tot Ion:146 Resp: 1903902
 Ion Ratio Lower Upper
 146 100
 111 48.4 24.1 72.4
 148 64.6 32.3 96.8



#76
 1,4-Dichlorobenzene
 Concen: 8.419 ppbv
 RT: 17.18 min Scan# 4477
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion:146 Resp: 1901584
 Ion Ratio Lower Upper
 146 100
 111 45.9 23.5 70.5
 148 64.1 32.0 96.2

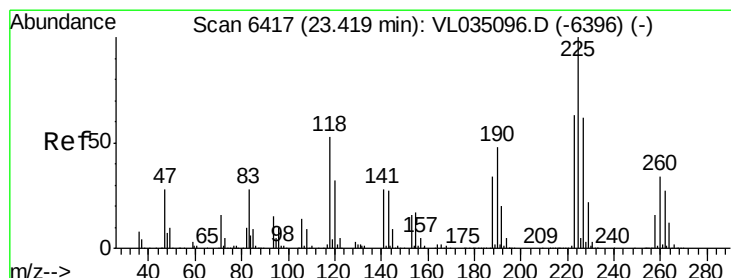
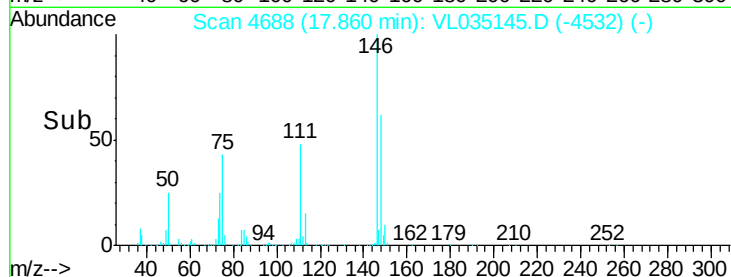
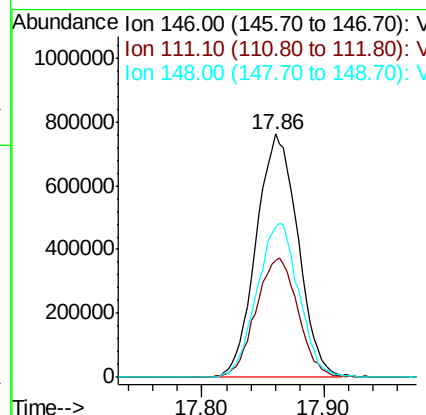
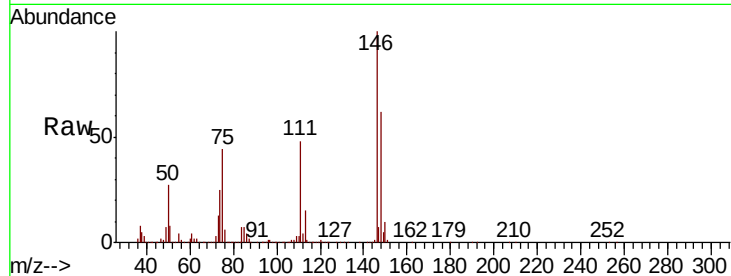




#77
 1,2-Dichlorobenzene
 Concen: 8.350 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. 0.00 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

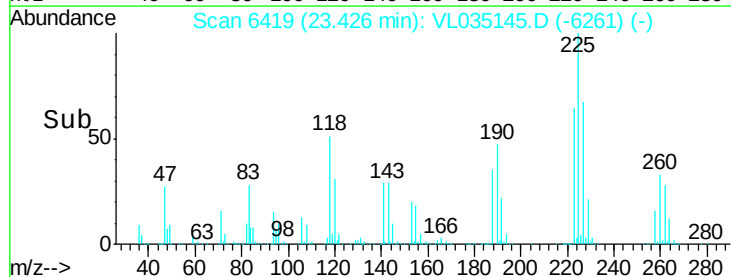
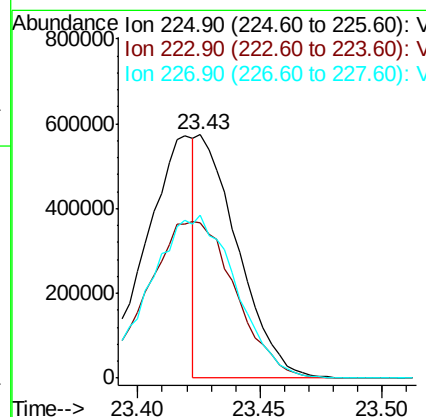
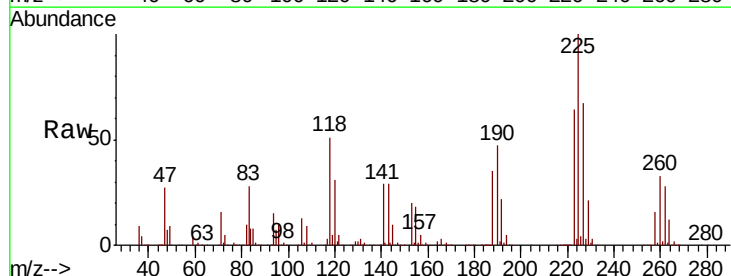
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

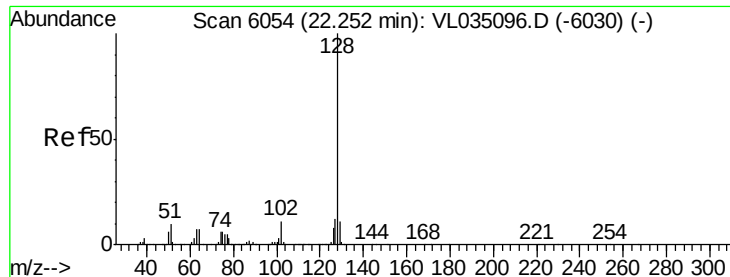
Tot Ion:146 Resp: 1803836
 Ion Ratio Lower Upper
 146 100
 111 49.7 25.0 75.0
 148 63.9 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 3.380 ppbv
 RT: 23.43 min Scan# 6419
 Delta R.T. 0.01 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Tgt Ion:225 Resp: 656334
 Ion Ratio Lower Upper
 225 100
 223 141.3 51.4 77.0#
 227 144.5 51.8 77.8#





#79

Naphthalene

Concen: 9.302 ppbv

RT: 22.26 min Scan# 6056

Delta R.T. 0.01 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

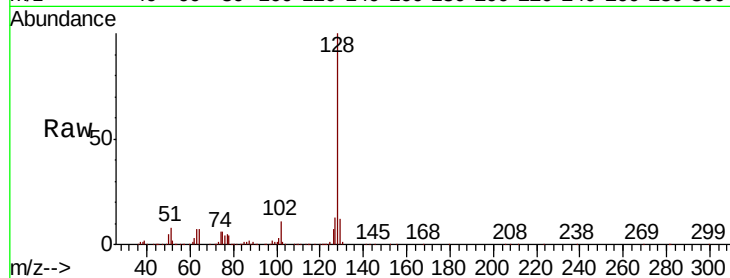
Tot Ion:128 Resp: 3226434

Ion Ratio Lower Upper

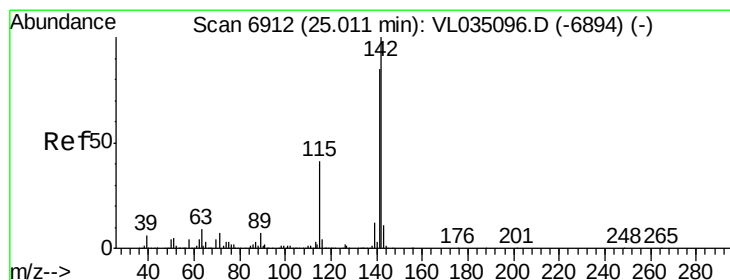
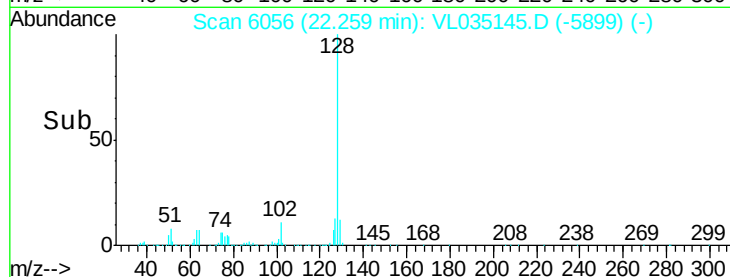
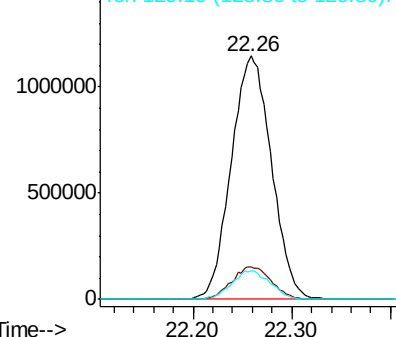
128 100

127 13.5 9.9 14.9

129 11.7 9.0 13.4



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: 11.300 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. -0.00 min

Lab File: VL035145.D

Acq: 6 Jul 2020 13:01

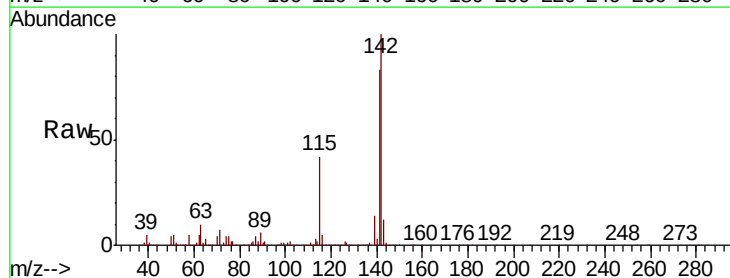
Tgt Ion:142 Resp: 1498644

Ion Ratio Lower Upper

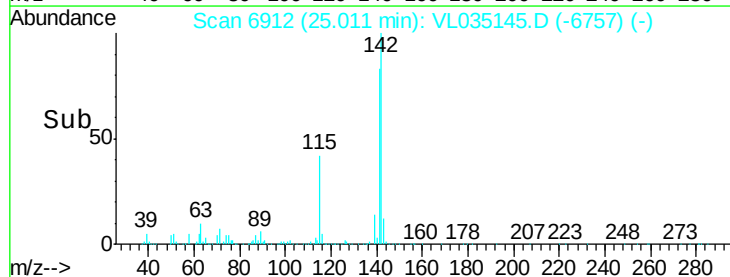
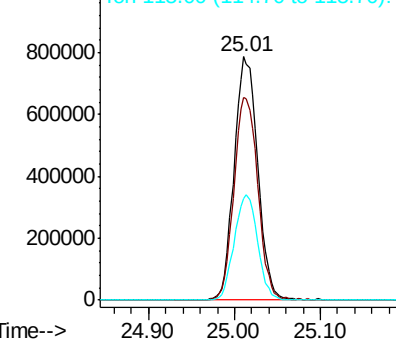
142 100

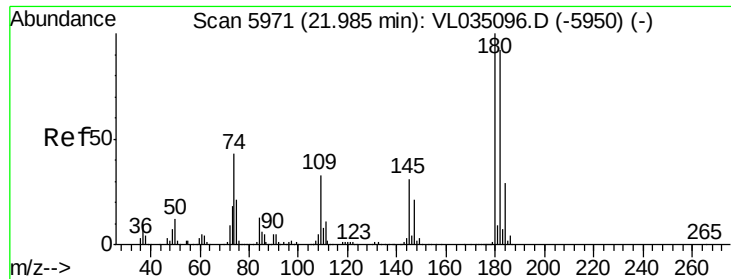
141 84.6 67.5 101.3

115 43.1 33.8 50.8



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

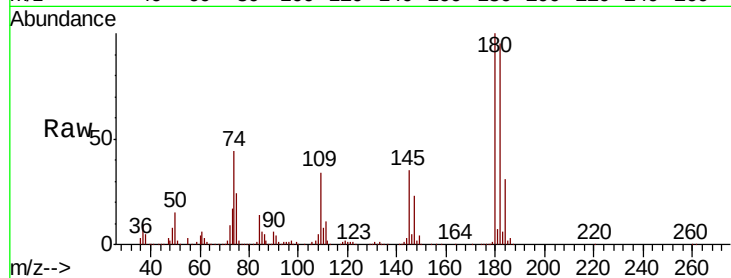




#81
 1,2,4-Trichlorobenzene
 Concen: 8.549 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. -0.00 min
 Lab File: VL035145.D
 Acq: 6 Jul 2020 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion:180 Resp: 1710685
 Ion Ratio Lower Upper
 180 100
 182 96.9 77.9 116.9
 184 31.3 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V
 800000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

