

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036591.D
 Acq On : 31 Mar 2021 5:49
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 08:32:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1332797	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3247314	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	3831328	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2496891	8.18	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2162812	9.949	ppbv 94
3) Chlorodifluoromethane	2.98	51	2647410	10.632	ppbv 100
4) Chloromethane	3.13	50	895300	10.179	ppbv 95
5) Vinyl Chloride	3.25	62	898798	9.938	ppbv 99
6) Bromomethane	3.47	94	501134	10.064	ppbv 100
7) Chloroethane	3.55	64	333234	10.723	ppbv 94
8) Dichlorotetrafluoroethane	3.18	85	2126970	10.252	ppbv 99
9) Propene	3.00	41	818349	10.309	ppbv 98
10) Heptane	8.11	43	2152792	10.645	ppbv 99
11) Trichlorofluoromethane	3.94	101	2275369	10.271	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1481023	10.456	ppbv 99
13) Ethanol	3.60	45	53137	5.621	ppbv 74
14) Bromoethene	3.73	108	626366	10.637	ppbv 99
15) Acetone	3.84	43	1324031	10.093	ppbv 98
16) 1,3-Butadiene	3.32	39	969824	10.619	ppbv 98
17) tert-Butyl alcohol	4.29	59	1048264	9.180	ppbv 99
18) 1,1-Dichloroethene	4.28	96	654088	10.382	ppbv 96
19) Isopropyl Alcohol	3.96	45	557671	7.728	ppbv 99
20) Methylene Chloride	4.34	84	558915	9.100	ppbv 98
21) Allyl Chloride	4.40	41	1074344	10.274	ppbv 100
22) trans-1,2-Dichloroethene	4.88	96	612014	10.478	ppbv 92
23) Vinyl Acetate	5.07	43	2392978	10.665	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1704062	10.419	ppbv 98
25) Ethyl Acetate	5.67	43	3155142	10.117	ppbv 100
26) Hexane	5.68	57	1526709	10.549	ppbv 97
27) Carbon Disulfide	4.54	76	1596328	11.197	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1690856	9.907	ppbv 98
29) Chloroform	5.74	83	2380497	10.285	ppbv 97
30) Cyclohexane	7.12	84	1267073	10.795	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1460922	10.437	ppbv 96
32) 1,1,1-Trichloroethane	6.50	97	2353881	10.091	ppbv 98
34) 2-Butanone	5.24	43	1489856	9.399	ppbv 99
35) Carbon Tetrachloride	7.01	117	2470399	9.905	ppbv 97
36) Benzene	6.88	78	3115226	10.402	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1779392	10.095	ppbv 100
38) Trichloroethene	7.83	130	1119945	9.609	ppbv 98
39) 1,2-Dichloropropane	7.60	63	1236153	10.175	ppbv 99
40) 1,4-Dioxane	7.83	88	211366	7.475	ppbv # 19
41) Tetrahydrofuran	6.04	42	656329	8.980	ppbv 98
42) Bromodichloromethane	7.78	83	2556881	10.664	ppbv 98
43) Methyl Methacrylate	8.01	69	1180510	11.739	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5269800	9.998	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1035924	9.021	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1363711	9.290	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1259162	10.233	ppbv	97
48) Dibromochloromethane	10.30	129	2031996	10.833	ppbv	99
49) Bromoform	13.03	173	1659764	10.981	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2303303	10.042	ppbv	99
51) 2-Hexanone	10.13	43	1252268	10.819	ppbv #	98
52) Tetrachloroethene	11.21	164	1044836	9.474	ppbv	96
53) Toluene	9.80	91	3453213	10.827	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1761745	10.138	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1443960	8.333	ppbv	96
57) Chlorobenzene	12.14	112	2501993	7.675	ppbv	98
58) Ethyl Benzene	12.70	91	4627596	8.302	ppbv	99
59) m/p-Xylene	12.99	91	4611045	9.484	ppbv #	52
60) o-Xylene	13.69	91	3692554	7.855	ppbv	100
61) Styrene	13.52	104	1994546	8.434	ppbv	99
62) Isopropylbenzene	14.66	105	5101032	8.058	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2660668	7.420	ppbv	100
64) n-propylbenzene	15.55	120	1348032	8.710	ppbv	100
65) tert-Butylbenzene	16.74	119	4428126	8.067	ppbv	99
66) Benzyl Chloride	16.98	91	503175	8.293	ppbv	99
67) sec-Butylbenzene	17.29	105	6243091	8.057	ppbv	100
69) p-Isopropyltoluene	17.65	119	5092647	8.416	ppbv	100
70) n-Butylbenzene	18.54	91	5330205	8.496	ppbv	100
71) 2-Chlorotoluene	15.45	91	3961836	8.352	ppbv	100
72) 4-Ethyltoluene	15.83	105	4384906	8.513	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3912993	8.139	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4070267	7.911	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	2325007	8.029	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2271816	7.901	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	2254794	8.283	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1727475	7.086	ppbv	99
79) Naphthalene	22.19	128	2586453	8.615	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	323623	5.466	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1599227	8.628	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

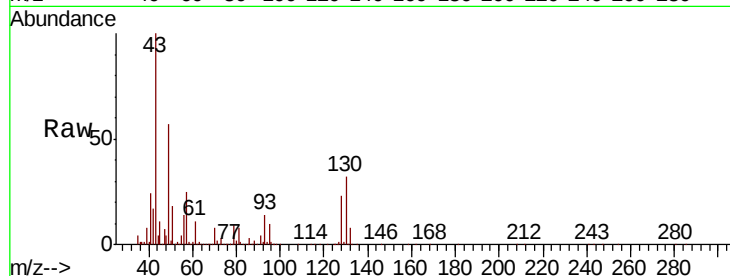
Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1332797

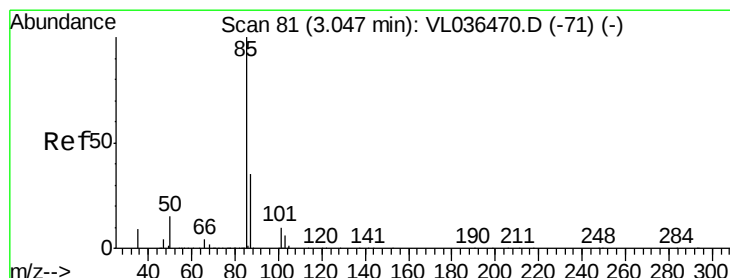
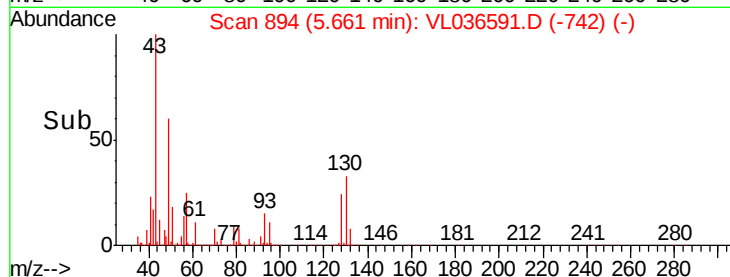
Ion	Ratio	Lower	Upper
49	100		
128	47.6	23.5	70.6
130	57.5	29.1	87.4



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: 9.949 ppbv

RT: 3.04 min Scan# 79

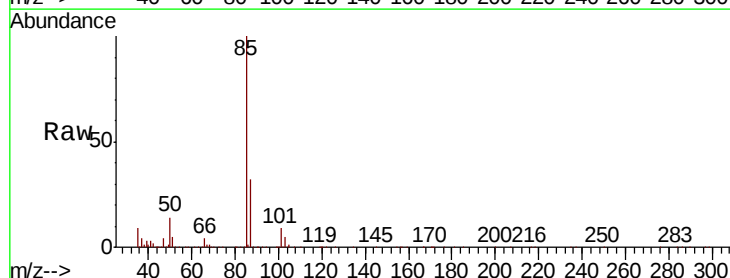
Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

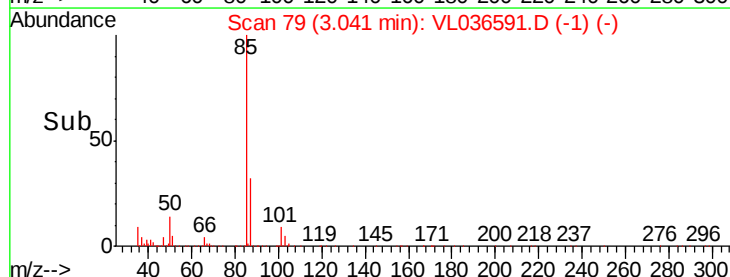
Tgt Ion: 85 Resp: 2162812

Ion	Ratio	Lower	Upper
85	100		
87	31.5	27.8	41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.632 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

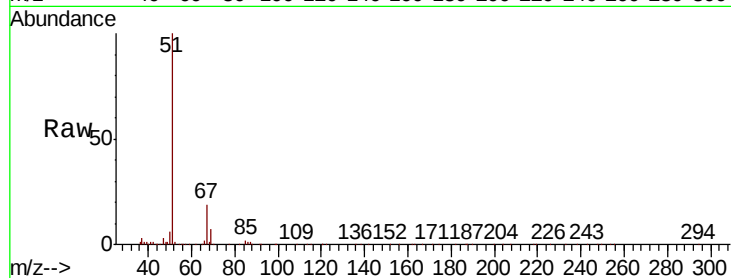
ClientSampleId :

Tot Ion: 51 Resp: 2647410

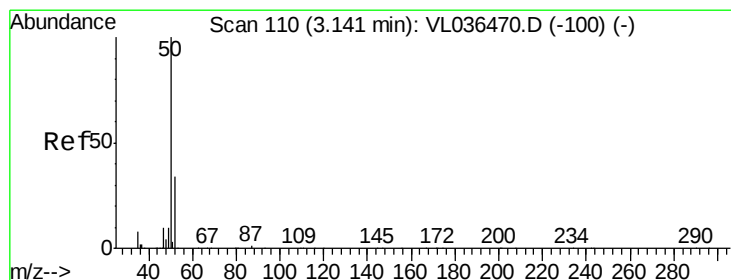
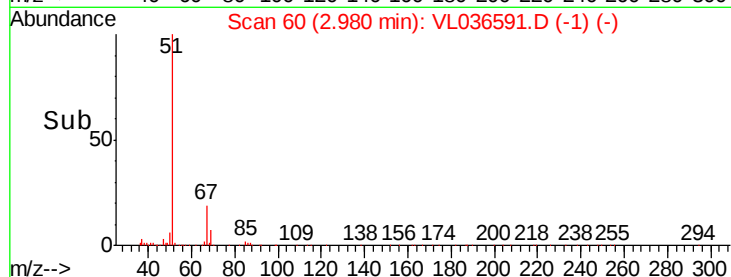
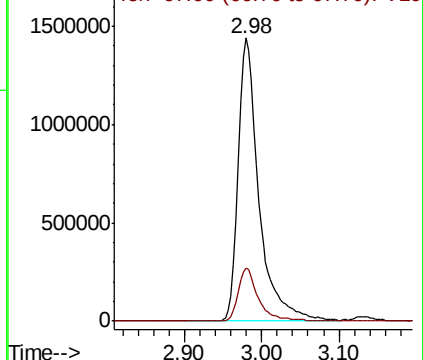
Ion Ratio Lower Upper

51 100

67 18.3 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.179 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL036591.D

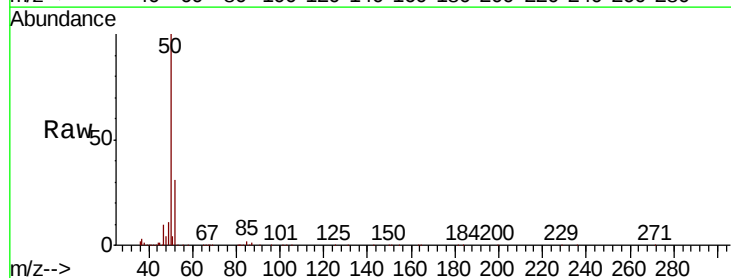
Acq: 31 Mar 2021 5:49

Tgt Ion: 50 Resp: 895300

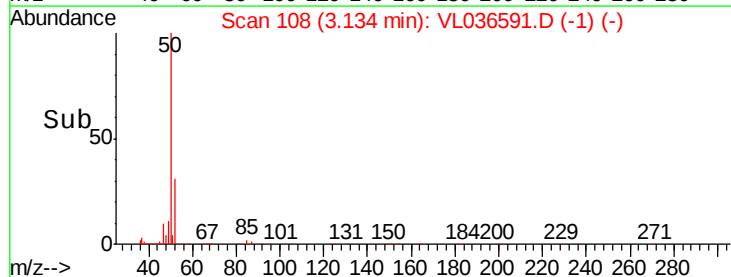
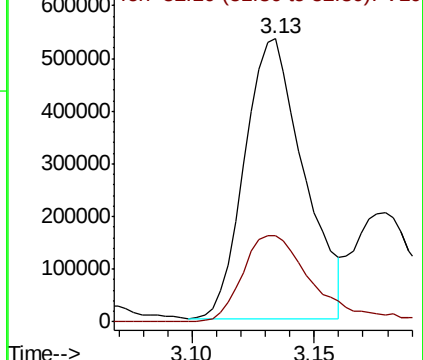
Ion Ratio Lower Upper

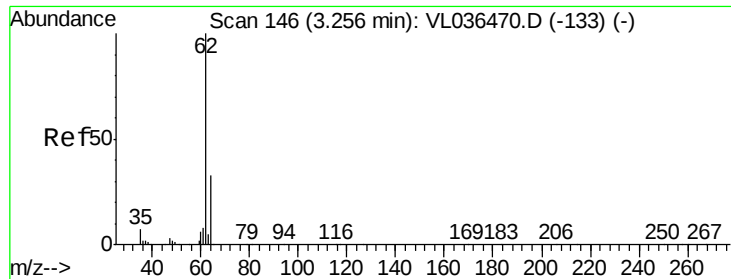
50 100

52 30.9 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.938 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

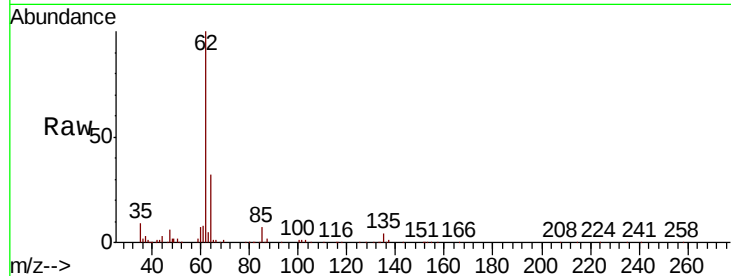
ClientSampled :

Tot Ion: 62 Resp: 898798

Ion Ratio Lower Upper

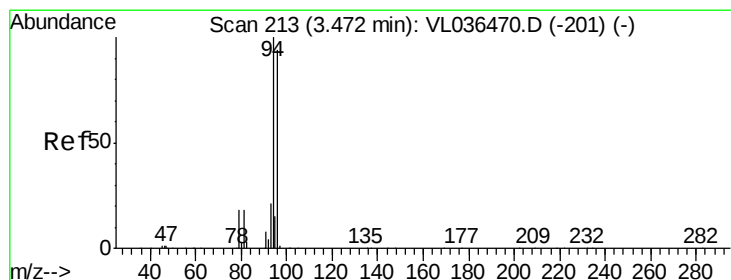
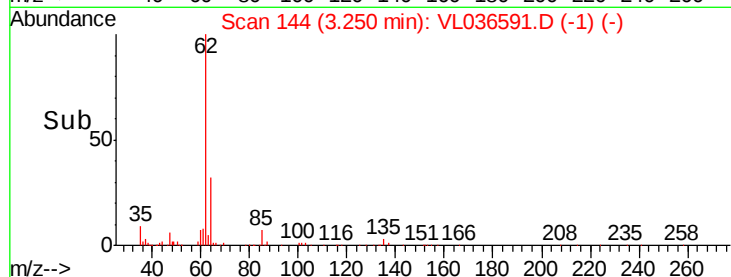
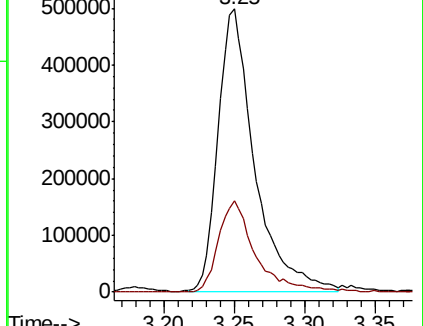
62 100

64 32.3 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.064 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL036591.D

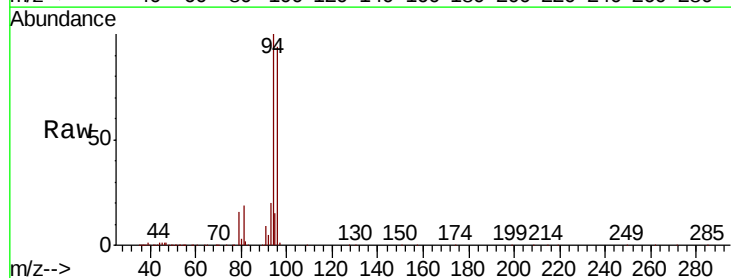
Acq: 31 Mar 2021 5:49

Tgt Ion: 94 Resp: 501134

Ion Ratio Lower Upper

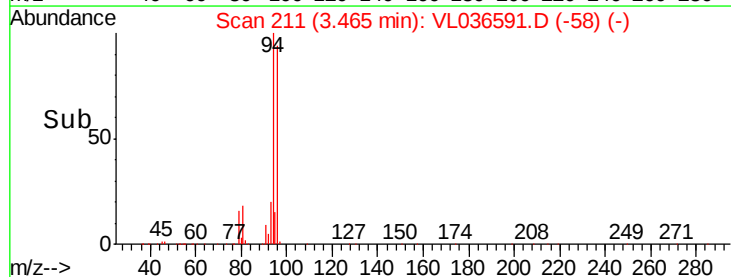
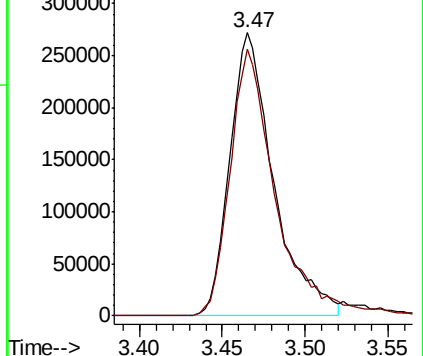
94 100

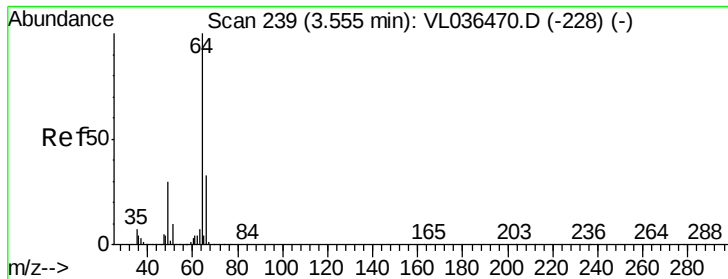
96 94.0 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.723 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

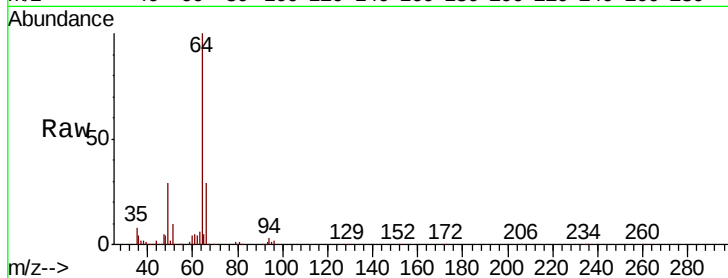
ClientSampleId :

Tot Ion: 64 Resp: 333234

Ion Ratio Lower Upper

64 100

66 29.2 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

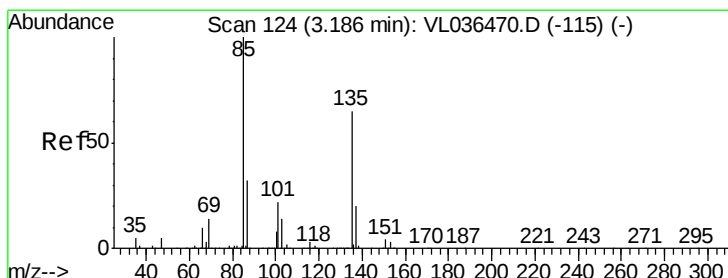
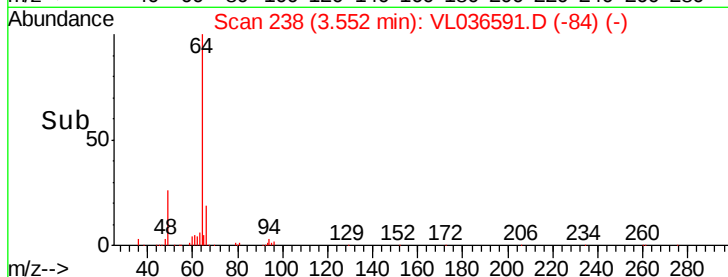
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.252 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL036591.D

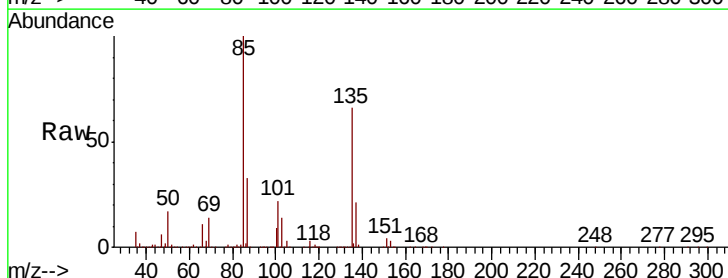
Acq: 31 Mar 2021 5:49

Tgt Ion: 85 Resp: 2126970

Ion Ratio Lower Upper

85 100

135 67.3 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

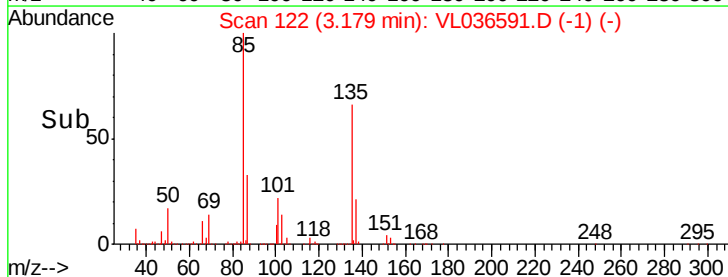
1500000

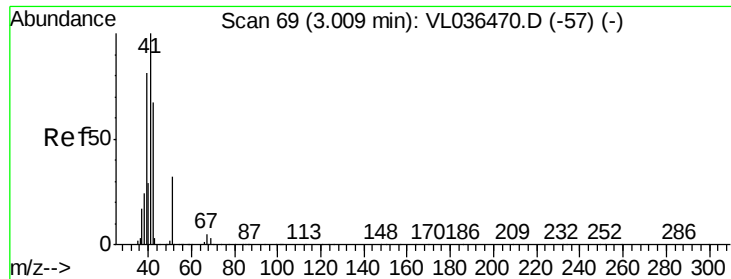
1000000

500000

0

Time-->





#9

Propene

Concen: 10.309 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

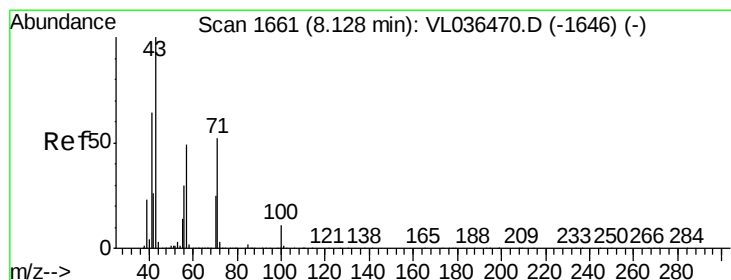
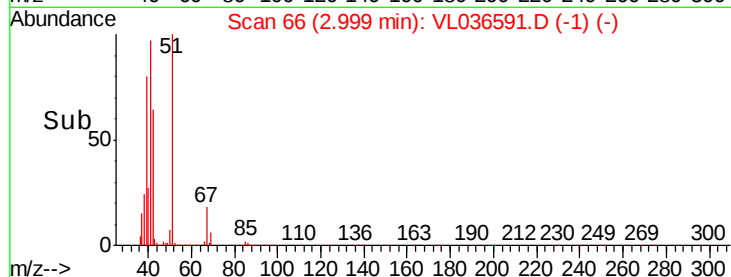
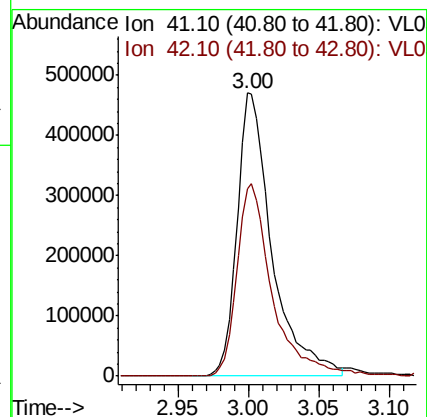
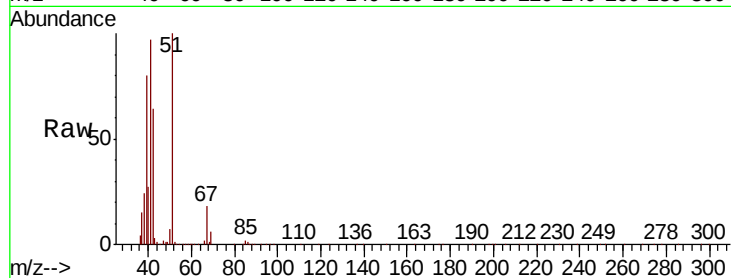
ClientSampleId :

Tot Ion: 41 Resp: 818349

Ion Ratio Lower Upper

41 100

42 69.3 57.0 85.4



#10

Heptane

Concen: 10.645 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VL036591.D

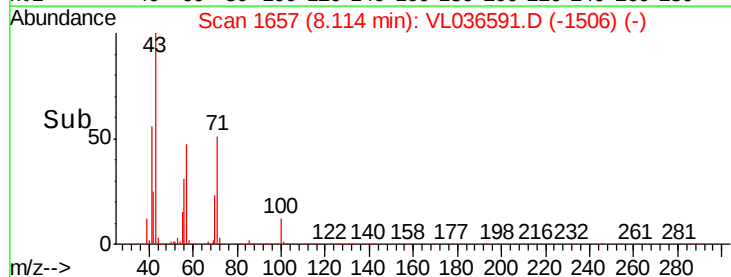
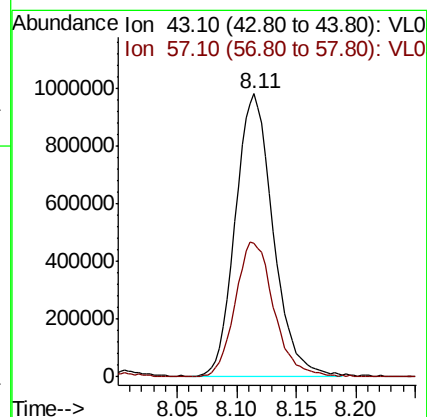
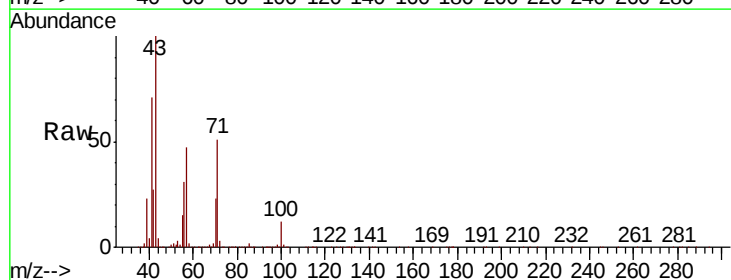
Acq: 31 Mar 2021 5:49

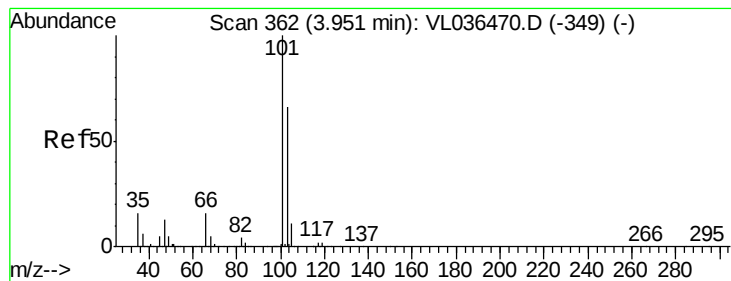
Tgt Ion: 43 Resp: 2152792

Ion Ratio Lower Upper

43 100

57 49.2 39.0 58.6





#11

Trichlorofluoromethane

Concen: 10.271 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

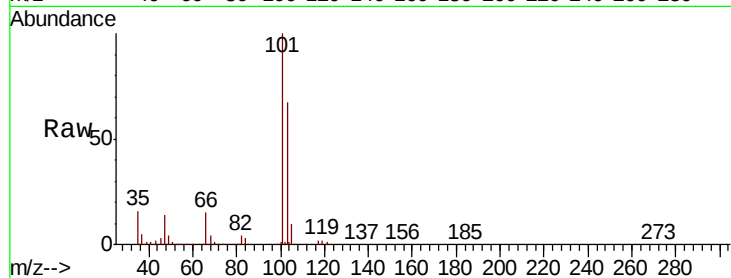
ClientSampleId :

Tot Ion:101 Resp: 2275369

Ion Ratio Lower Upper

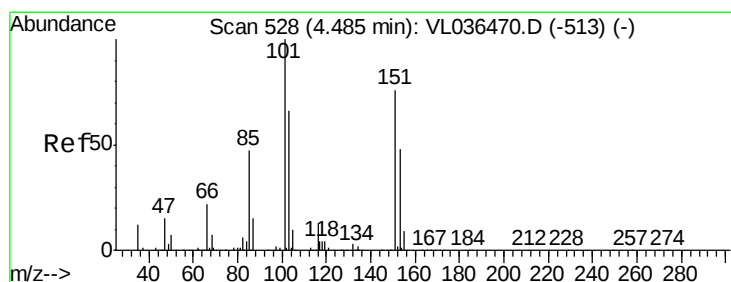
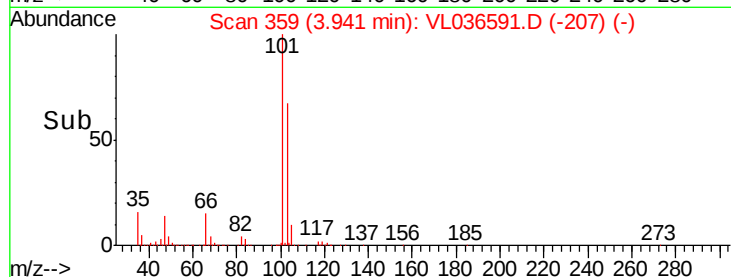
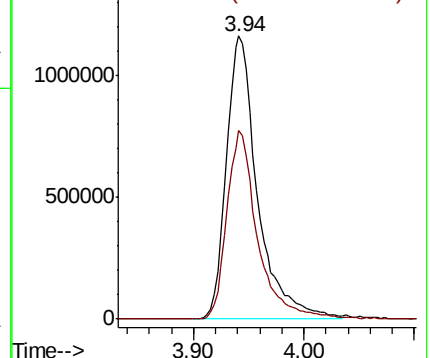
101 100

103 66.8 52.5 78.7



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: 10.456 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.01 min

Lab File: VL036591.D

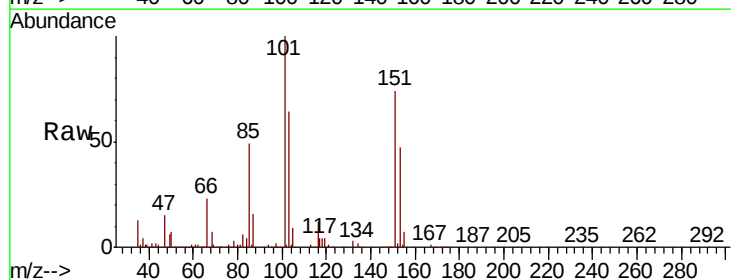
Acq: 31 Mar 2021 5:49

Tgt Ion:101 Resp: 1481023

Ion Ratio Lower Upper

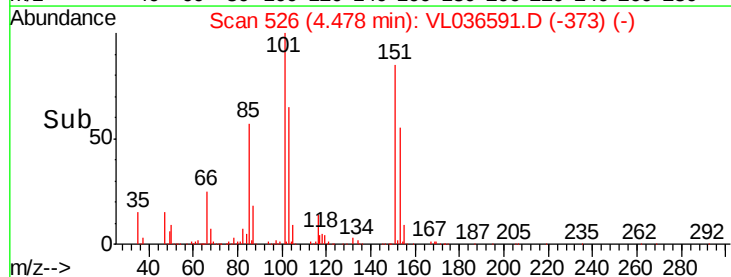
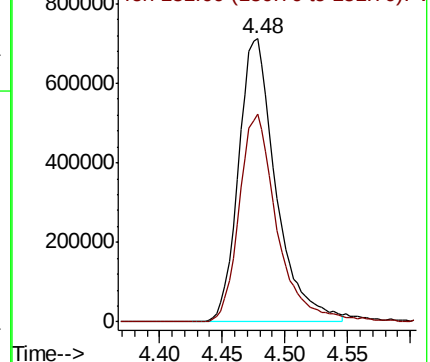
101 100

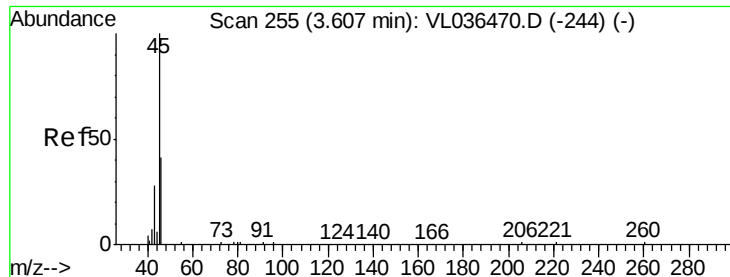
151 74.9 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 5.621 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

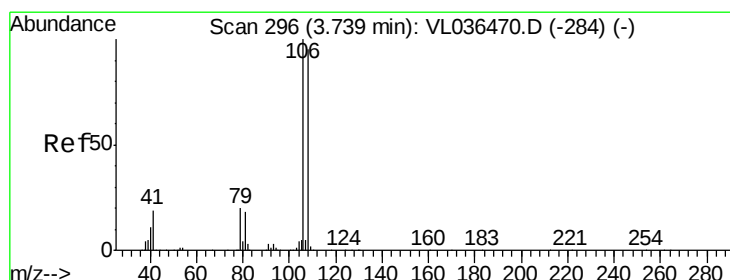
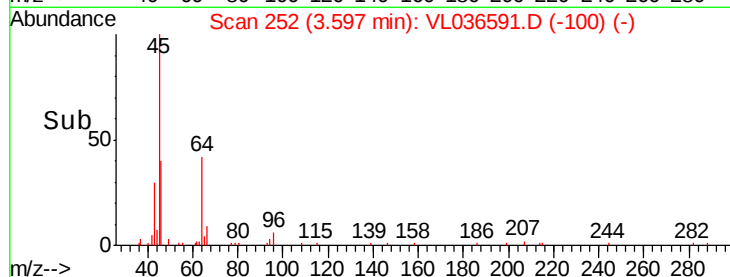
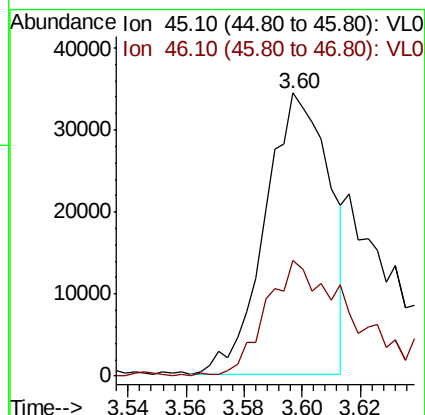
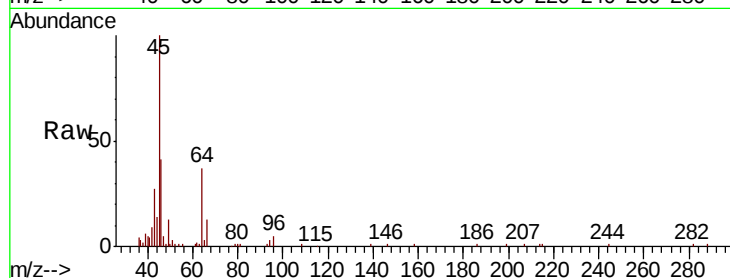
ClientSampleId :

Tot Ion: 45 Resp: 53137

Ion Ratio Lower Upper

45 100

46 57.6 16.6 66.2



#14

Bromoethene

Concen: 10.637 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

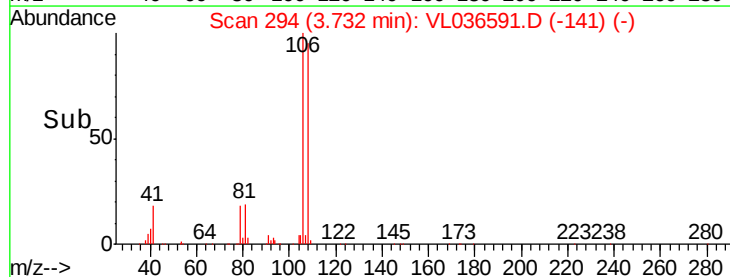
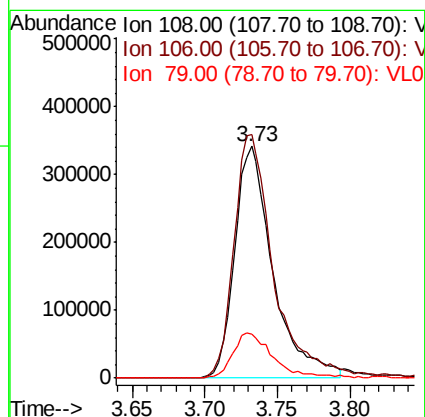
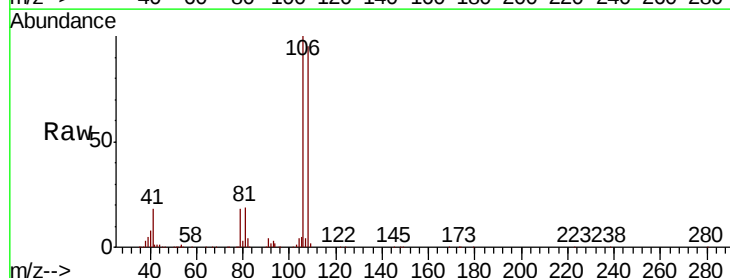
Tgt Ion: 108 Resp: 626366

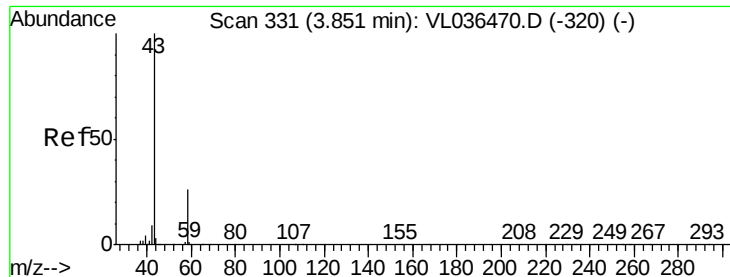
Ion Ratio Lower Upper

108 100

106 110.4 89.0 133.6

79 20.8 16.6 25.0





#15

Acetone

Concen: 10.093 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

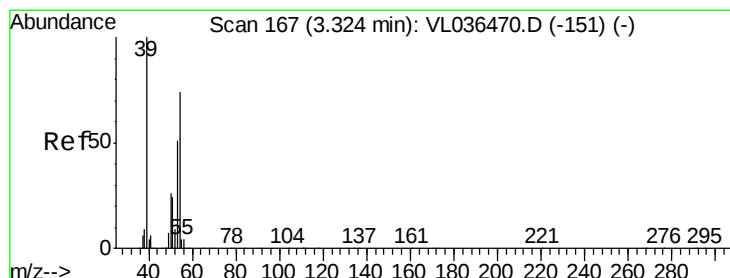
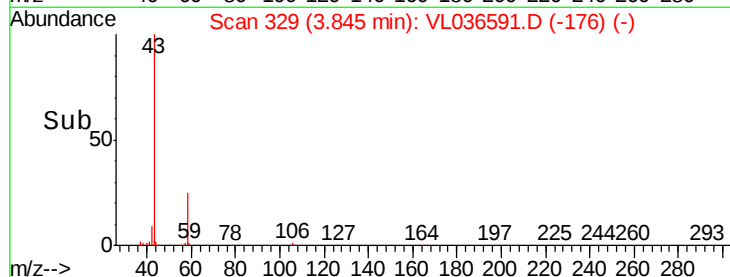
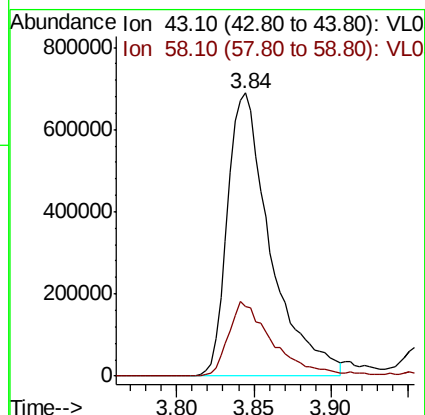
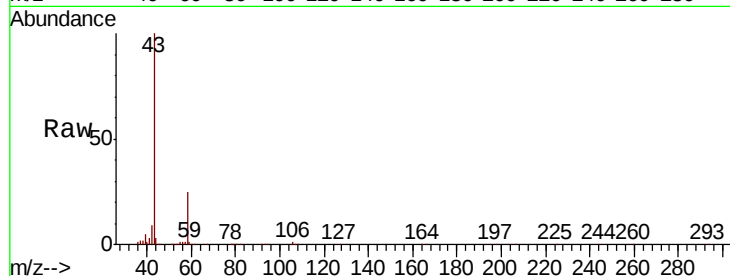
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1324031

Ion Ratio Lower Upper

43 100

58 27.7 21.2 31.8



#16

1,3-Butadiene

Concen: 10.619 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL036591.D

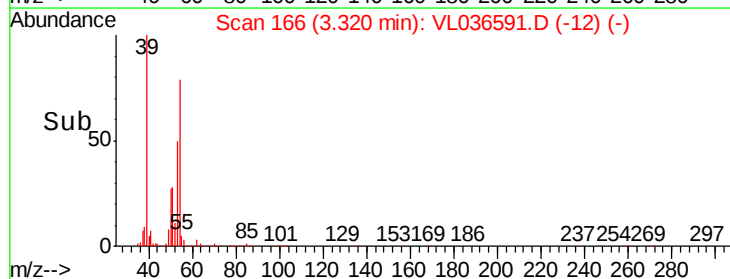
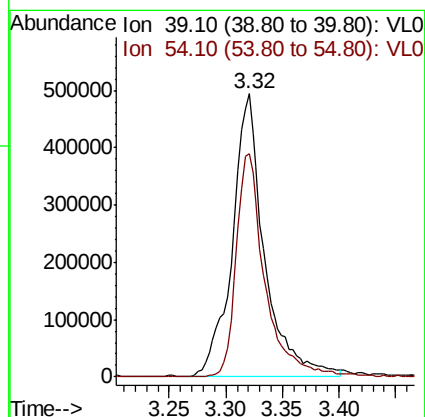
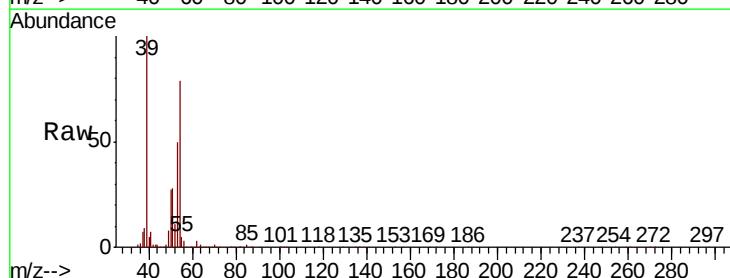
Acq: 31 Mar 2021 5:49

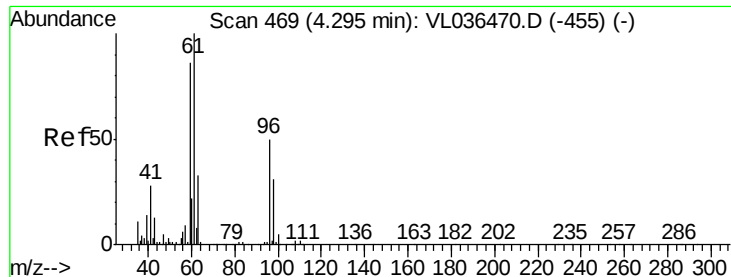
Tgt Ion: 39 Resp: 969824

Ion Ratio Lower Upper

39 100

54 71.9 58.8 88.2



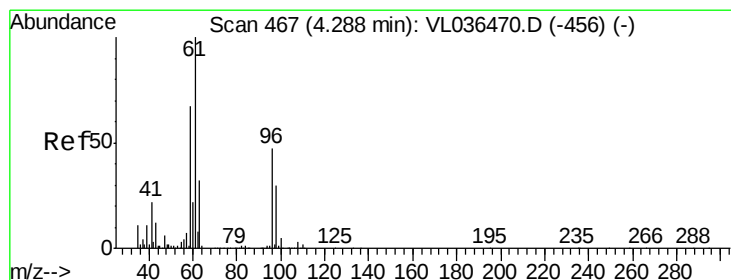
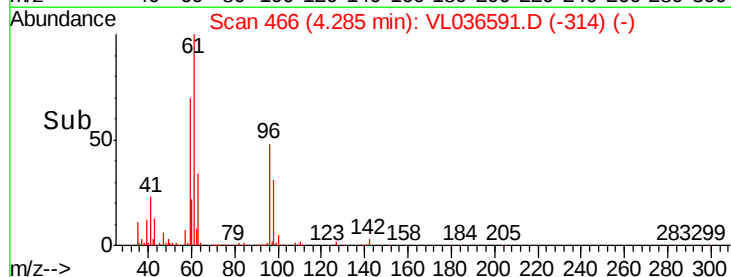
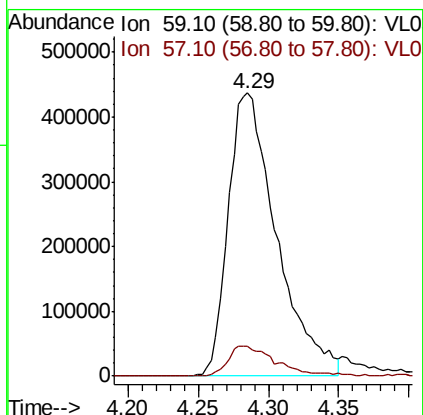
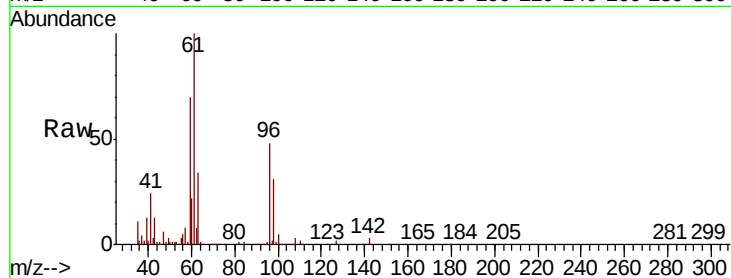


#17

tert-Butyl alcohol
Concen: 9.180 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampled :

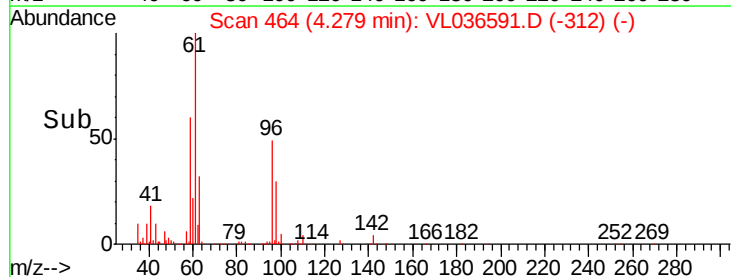
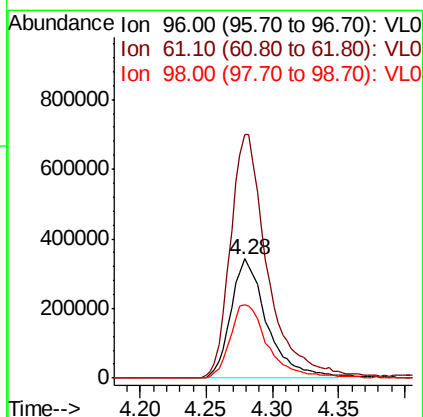
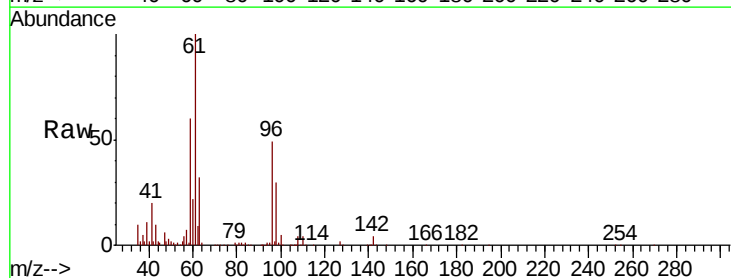
Tot Ion: 59 Resp: 1048264
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8

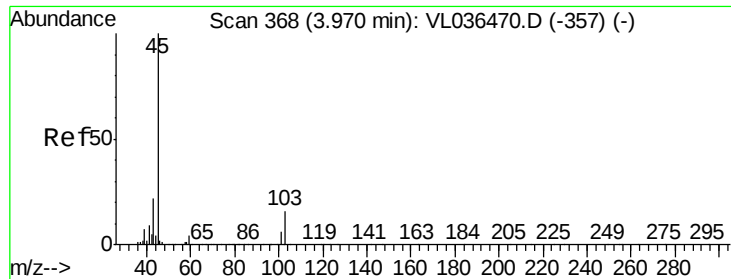


#18

1,1-Dichloroethene
Concen: 10.382 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion: 96 Resp: 654088
Ion Ratio Lower Upper
96 100
61 204.5 168.6 253.0
98 61.7 50.8 76.2





#19

Isopropyl Alcohol

Concen: 7.728 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

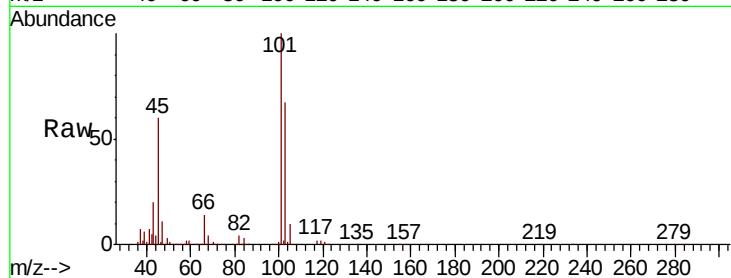
ClientSampleId :

Tot Ion: 45 Resp: 557671

Ion Ratio Lower Upper

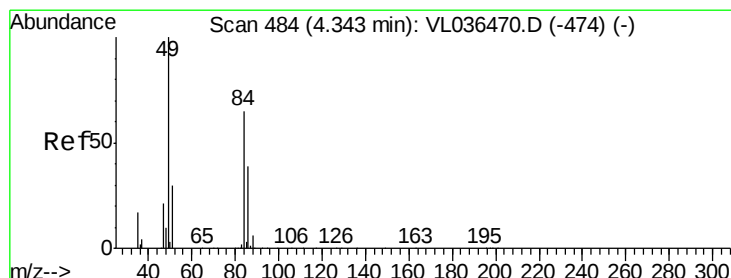
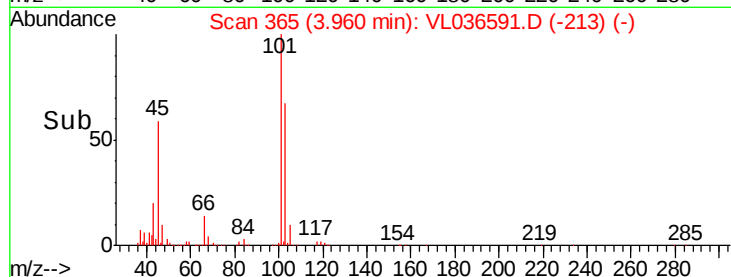
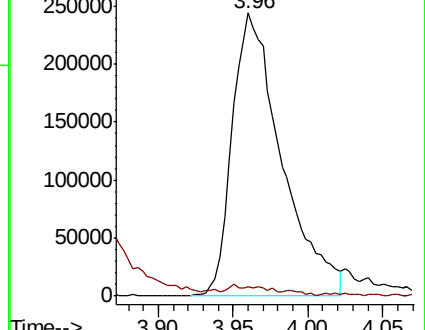
45 100

58 3.9 2.9 4.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.100 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Tgt Ion: 84 Resp: 558915

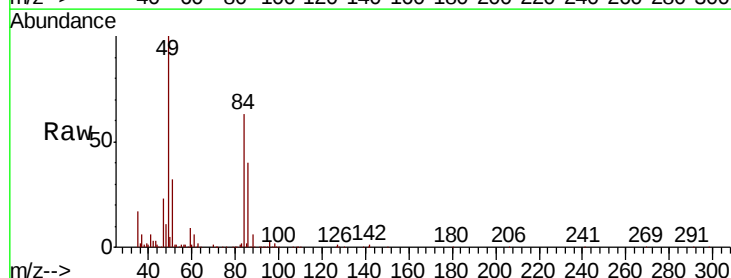
Ion Ratio Lower Upper

84 100

49 155.0 122.9 184.3

51 49.3 36.9 55.3

86 62.7 48.2 72.4

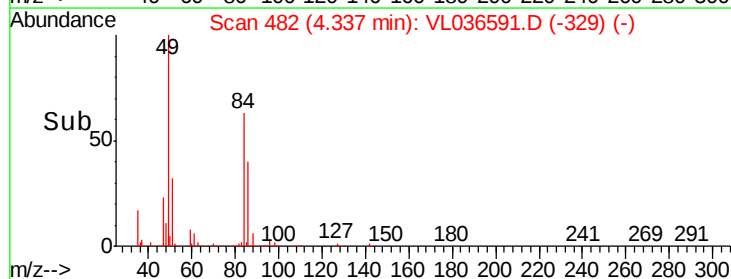
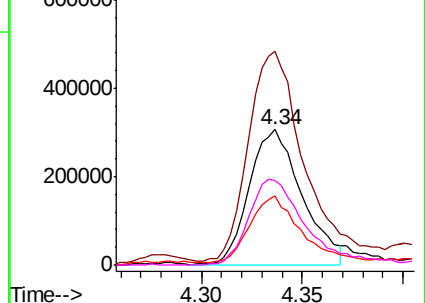


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 10.274 ppbv

RT: 4.40 min Scan# 503

Delta R.T. -0.01 min

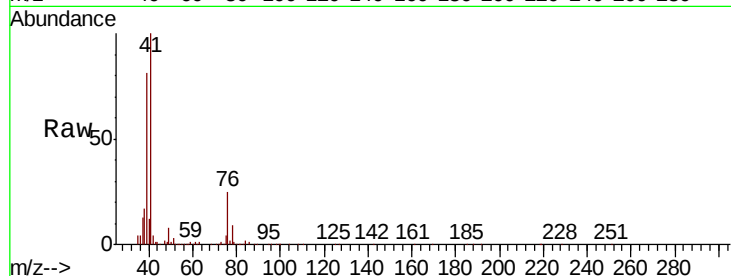
Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 41 Resp: 1074344

Ion	Ratio	Lower	Upper
41	100		
76	28.2	22.9	34.3
39	84.0	67.3	100.9

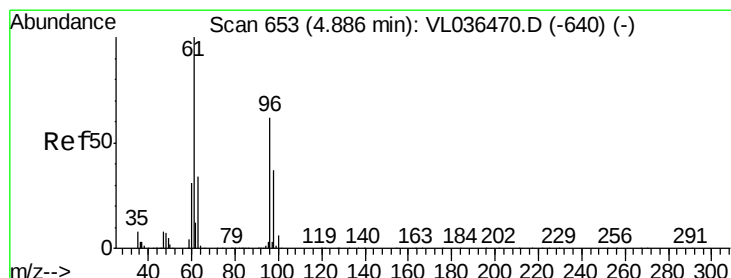
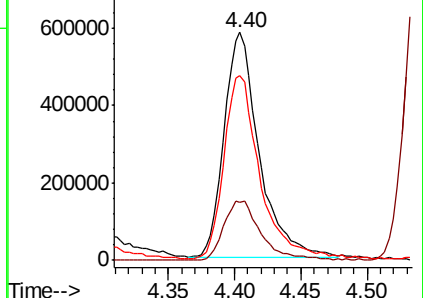
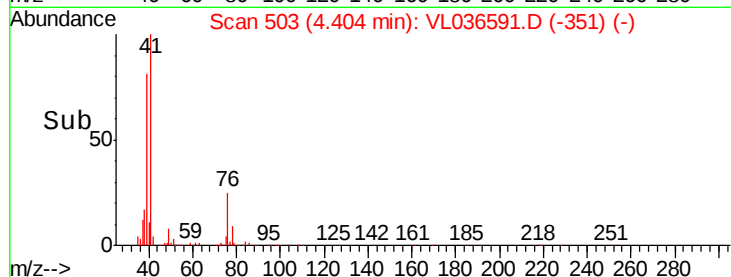


Abundance

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: 10.478 ppbv

RT: 4.88 min Scan# 650

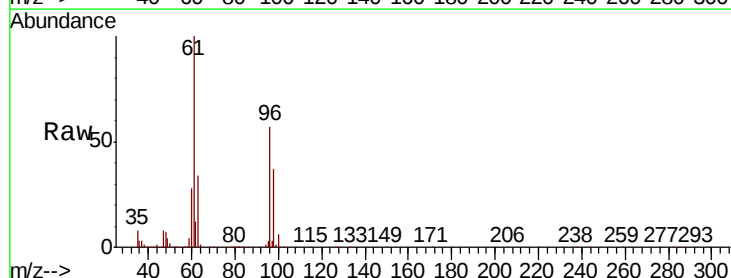
Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Tgt Ion: 96 Resp: 612014

Ion	Ratio	Lower	Upper
96	100		
61	173.9	129.4	194.0
98	65.2	48.2	72.4

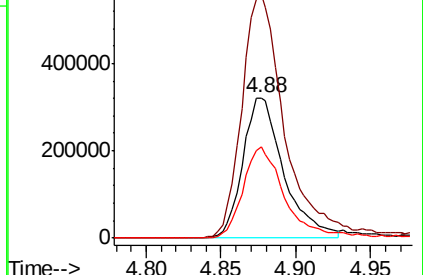
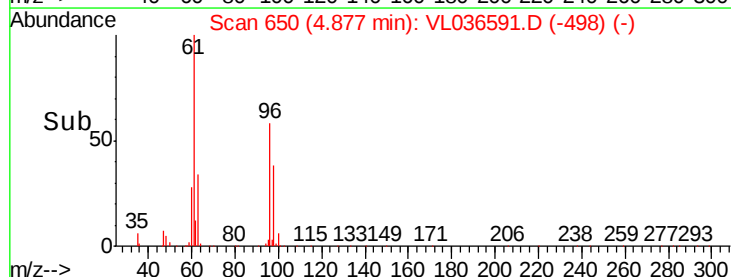


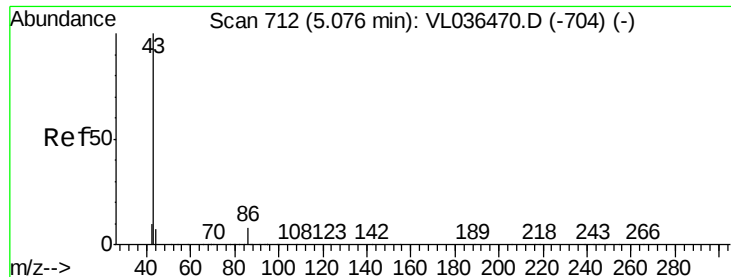
Abundance

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



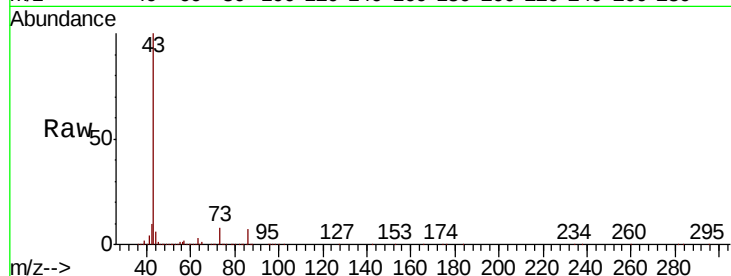


#23
 Vinyl Acetate
 Concen: 10.665 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

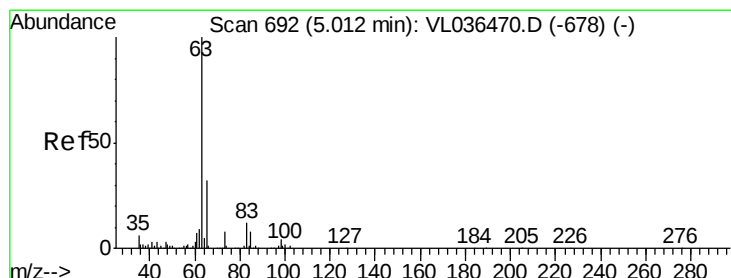
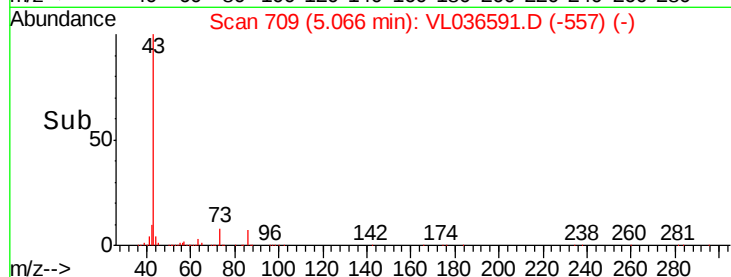
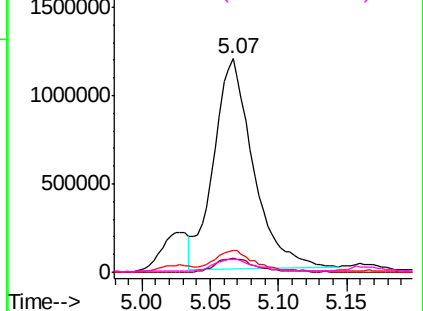
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2392978

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.4	8.0
42	9.7	8.5	12.7
44	5.8	4.6	7.0



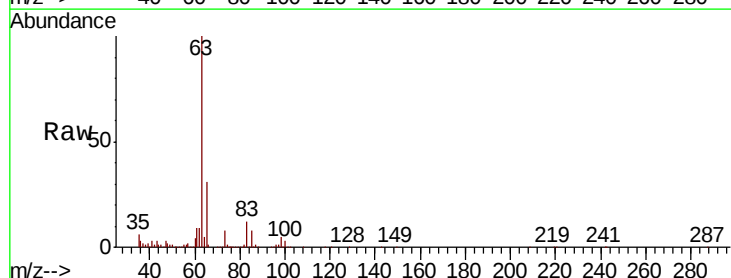
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



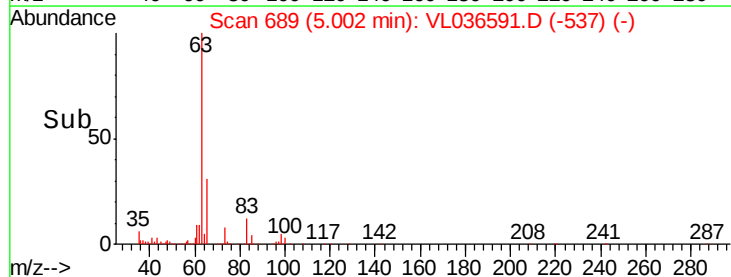
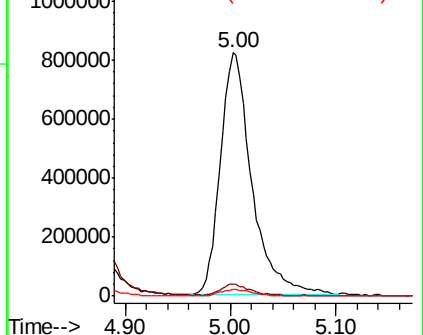
#24
 1,1-Dichloroethane
 Concen: 10.419 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

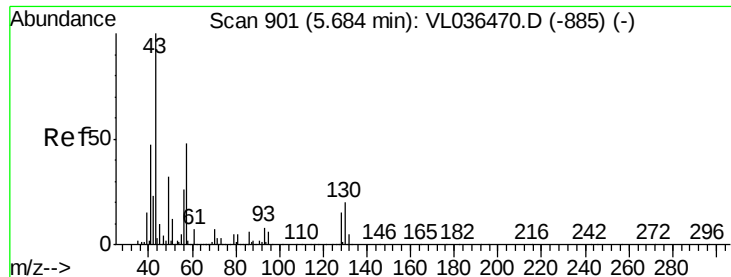
Tgt Ion: 63 Resp: 1704062

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.2
100	2.6	0.9	2.8



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: 10.117 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

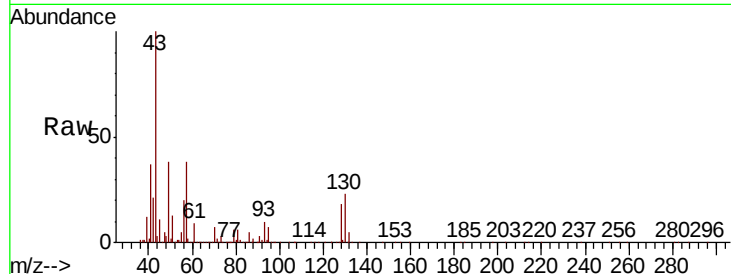
Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

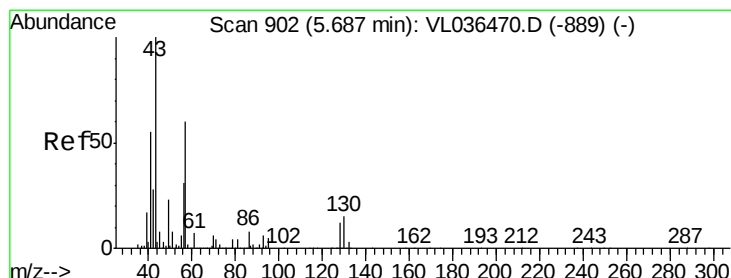
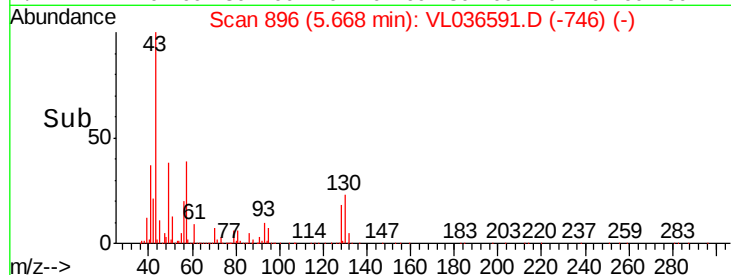
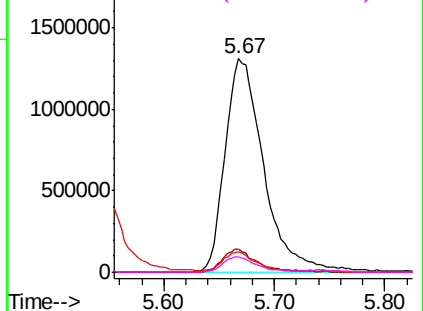
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3155142

Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.9	11.9
61	9.2	7.4	11.2
70	6.3	5.1	7.7



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: 10.549 ppbv

RT: 5.68 min Scan# 900

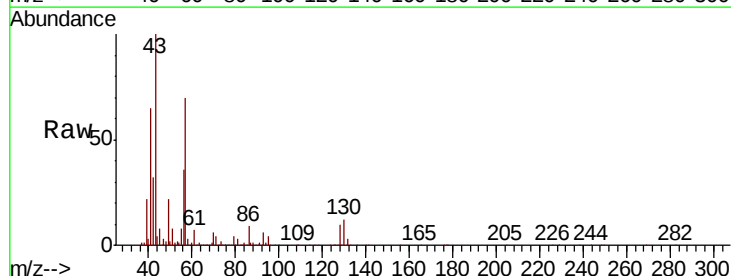
Delta R.T. -0.01 min

Lab File: VL036591.D

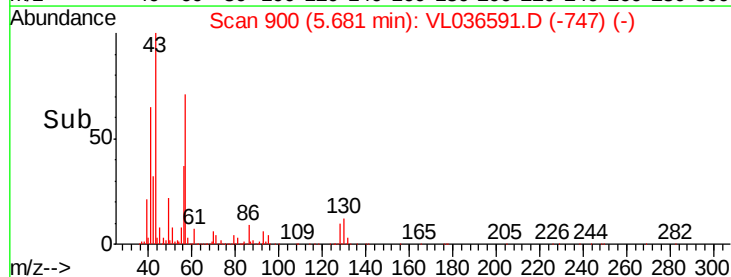
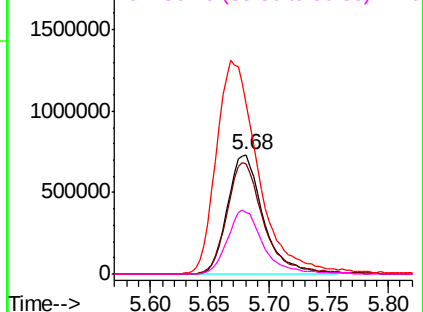
Acq: 31 Mar 2021 5:49

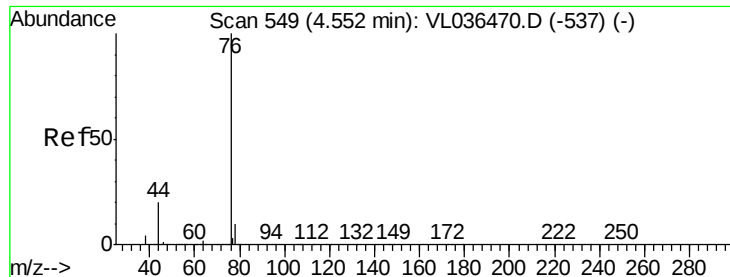
Tgt Ion: 57 Resp: 1526709

Ion	Ratio	Lower	Upper
57	100		
41	96.8	77.2	115.8
43	210.4	173.8	260.6
56	54.1	43.8	65.6



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: 11.197 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampled :

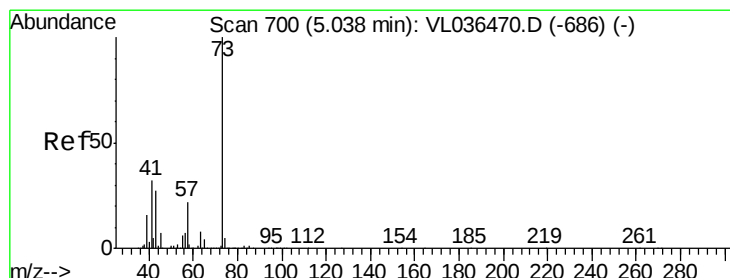
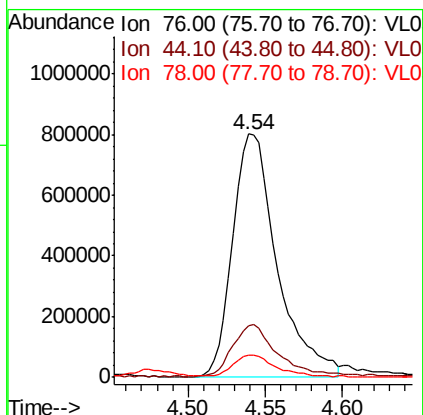
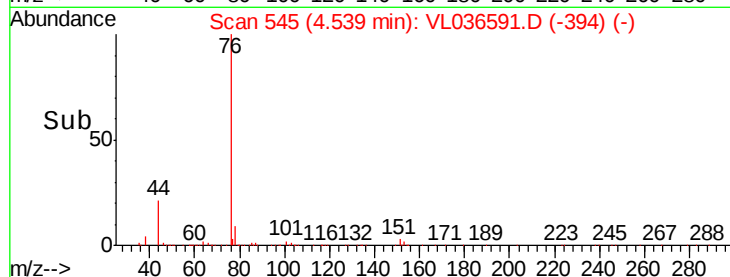
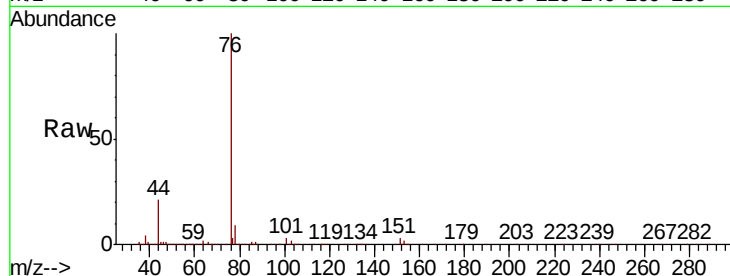
Tot Ion: 76 Resp: 1596328

Ion Ratio Lower Upper

76 100

44 21.8 17.5 26.3

78 9.9 8.6 13.0



#28

Methyl tert-Butyl Ether

Concen: 9.907 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL036591.D

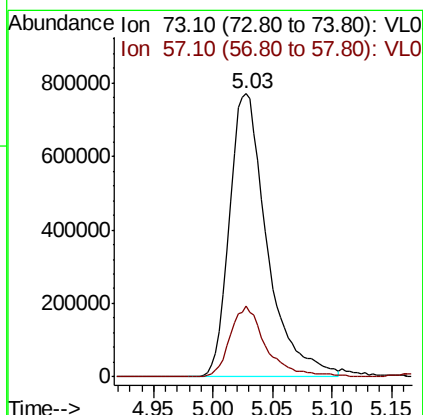
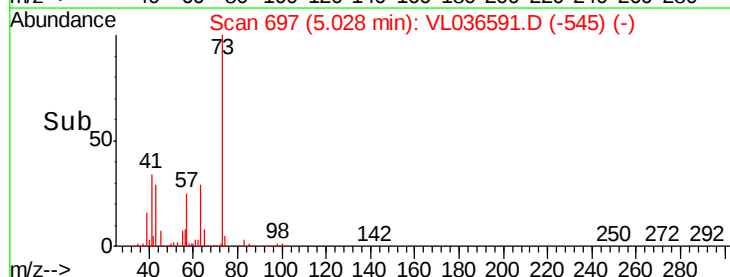
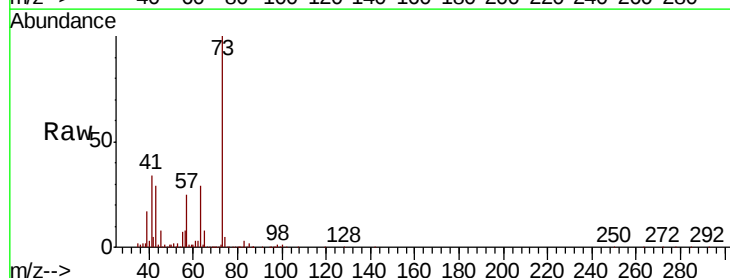
Acq: 31 Mar 2021 5:49

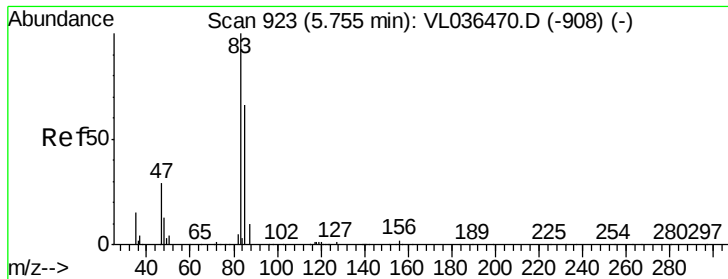
Tgt Ion: 73 Resp: 1690856

Ion Ratio Lower Upper

73 100

57 24.0 18.5 27.7

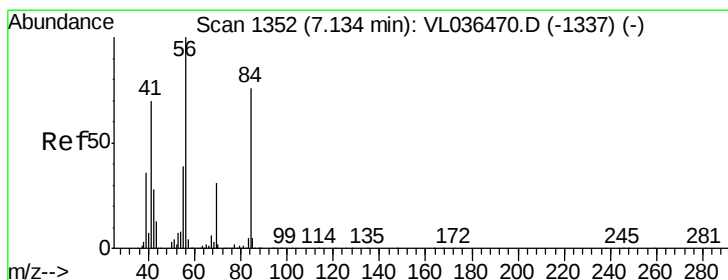
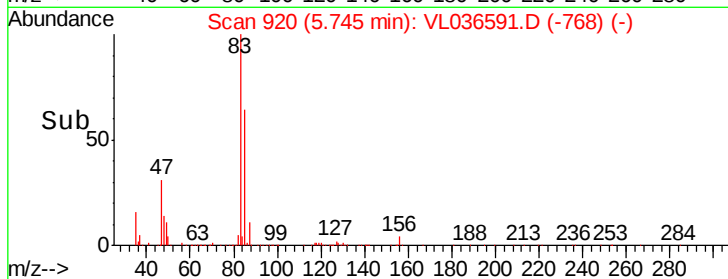
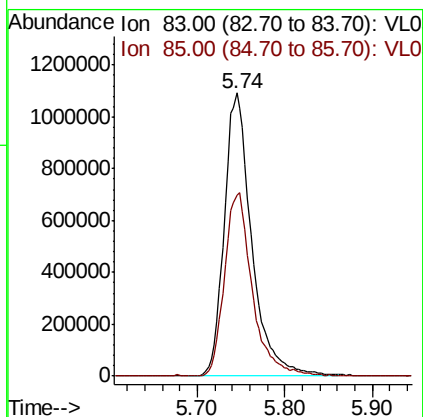
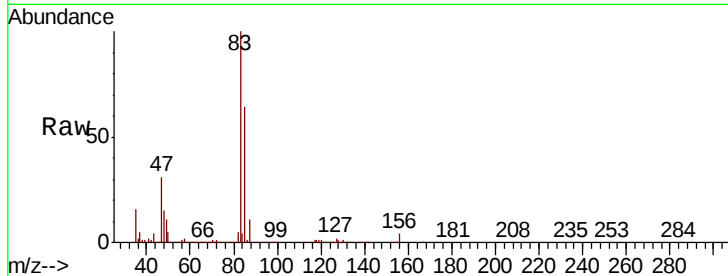




#29
Chloroform
Concen: 10.285 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

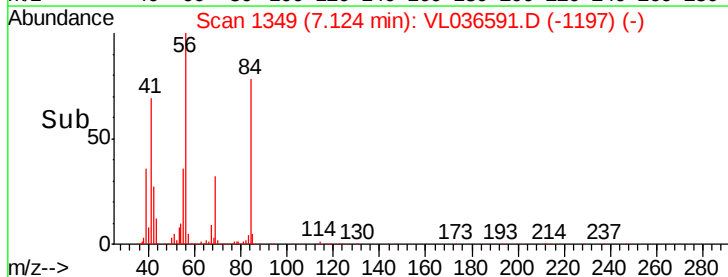
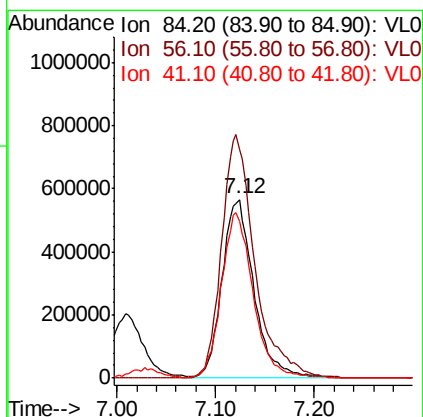
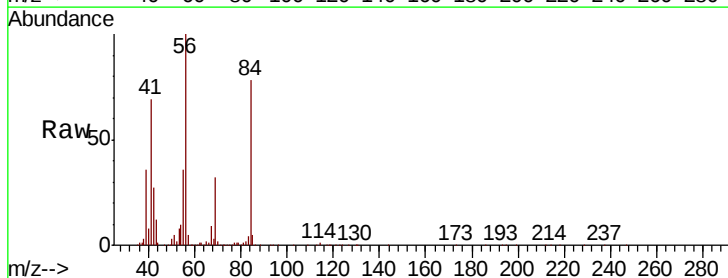
Instrument :
MSVOA_L
ClientSampleId :

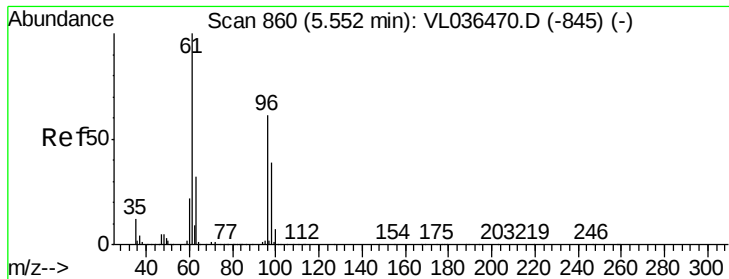
Tot Ion: 83 Resp: 2380497
Ion Ratio Lower Upper
83 100
85 63.6 52.6 78.8



#30
Cyclohexane
Concen: 10.795 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion: 84 Resp: 1267073
Ion Ratio Lower Upper
84 100
56 144.1 114.6 171.8
41 92.9 75.3 112.9



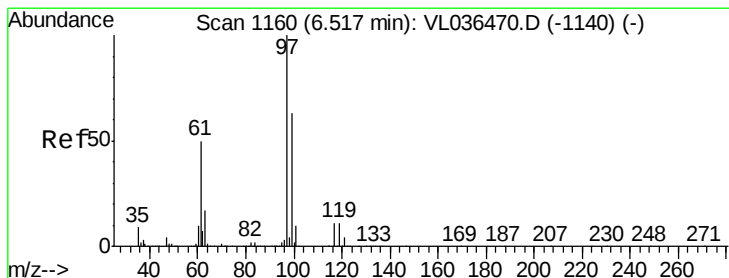
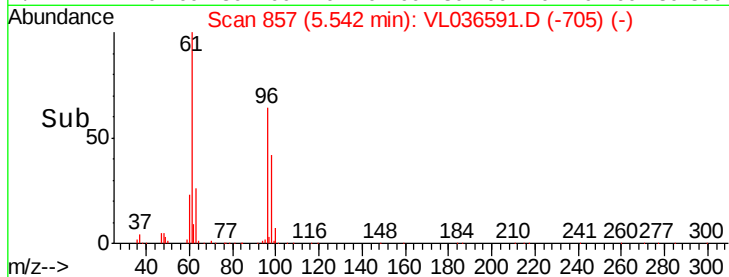
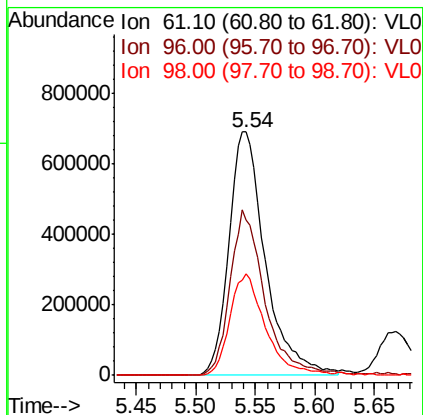
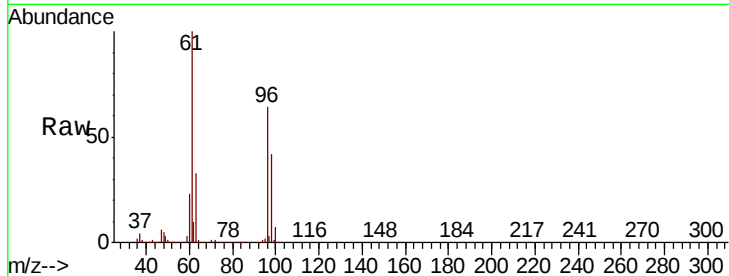


#31

cis-1,2-Dichloroethene
 Concen: 10.437 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Instrument :
 MSVOA_L
 ClientSampleId :

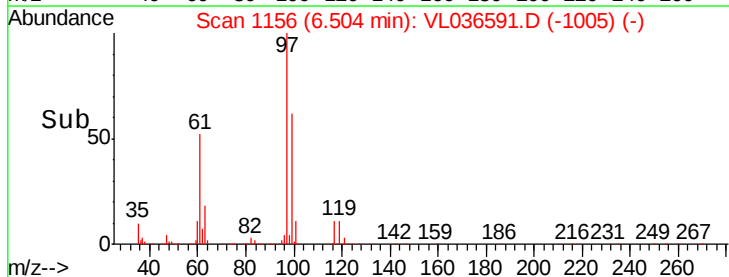
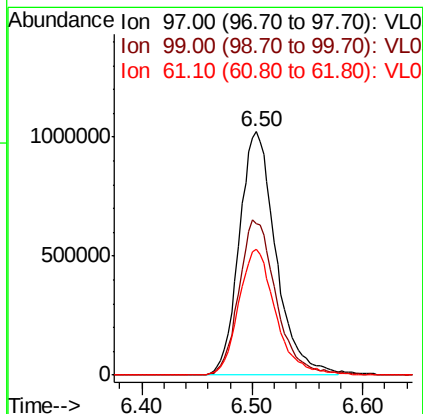
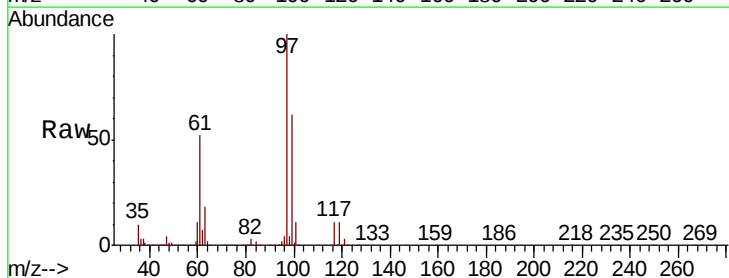
Tot Ion: 61 Resp: 1460922
 Ion Ratio Lower Upper
 61 100
 96 63.8 48.7 73.1
 98 41.9 31.4 47.0

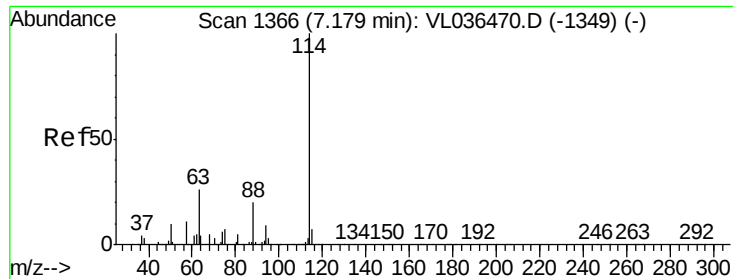


#32

1,1,1-Trichloroethane
 Concen: 10.091 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Tgt Ion: 97 Resp: 2353881
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.4 77.0
 61 52.6 40.6 60.8



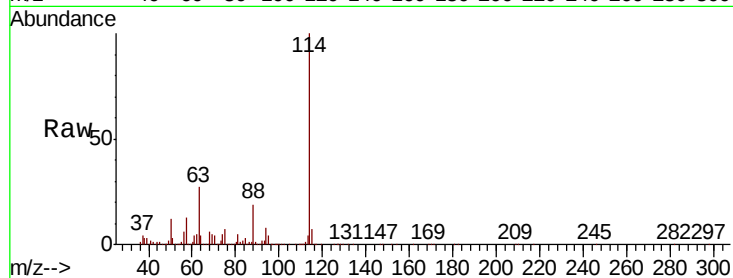


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

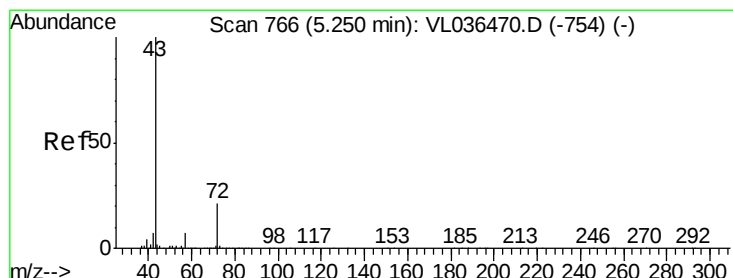
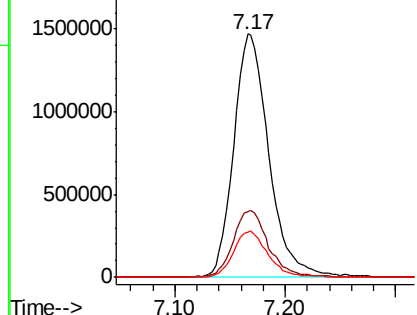
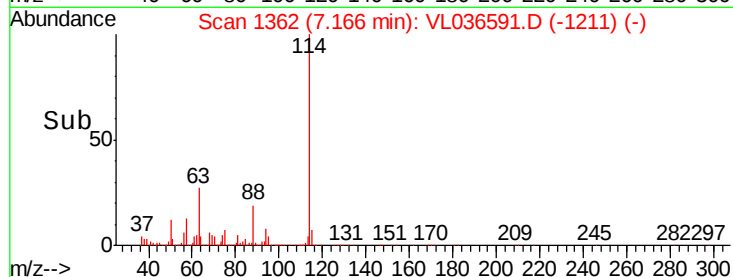
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3247314

Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.4	33.6
88	18.9	15.4	23.0



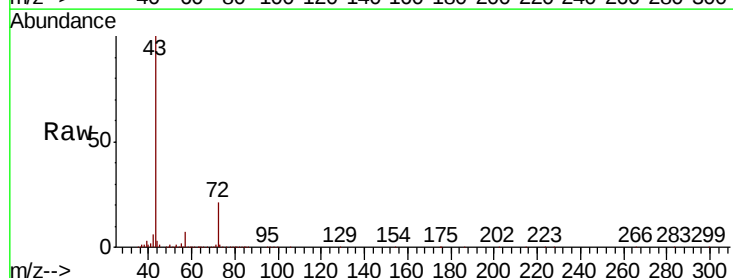
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



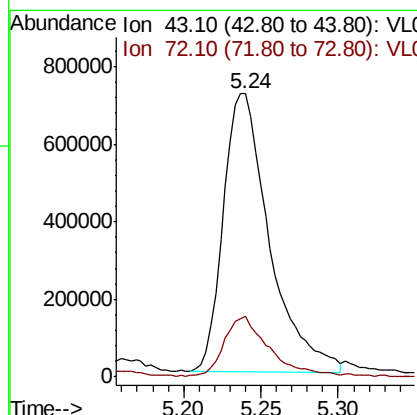
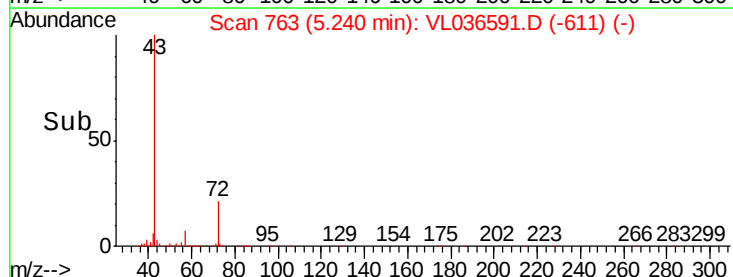
#34
 2-Butanone
 Concen: 9.399 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

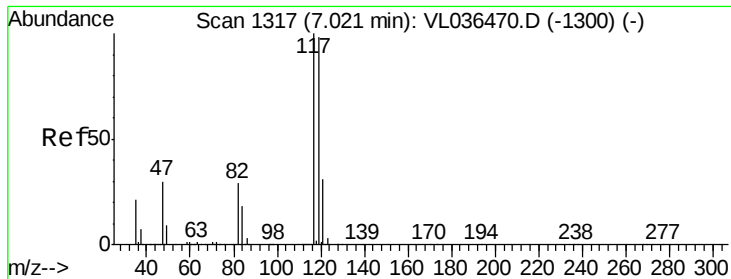
Tgt Ion: 43 Resp: 1489856

Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.0	25.6



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





#35

Carbon Tetrachloride

Concen: 9.905 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

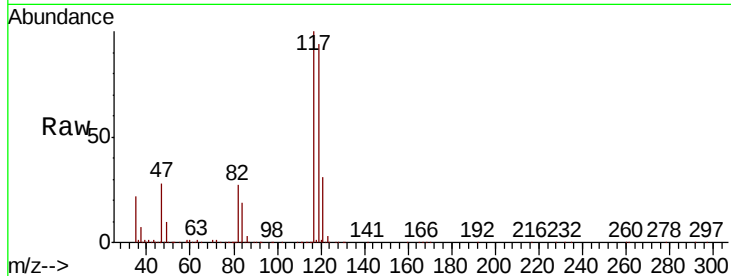
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:117 Resp: 2470399

Ion	Ratio	Lower	Upper
117	100		
119	93.9	78.2	117.2
121	31.3	24.5	36.7

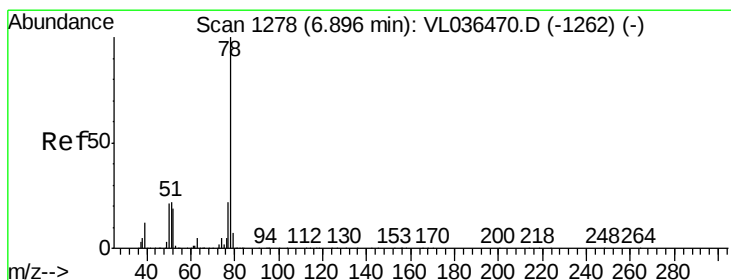
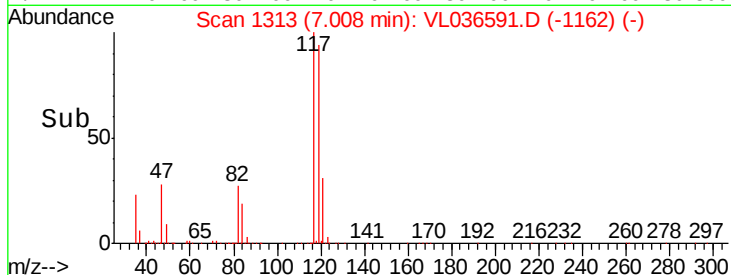
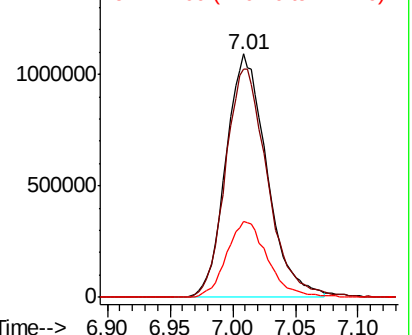


Abundance

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: 10.402 ppbv

RT: 6.88 min Scan# 1274

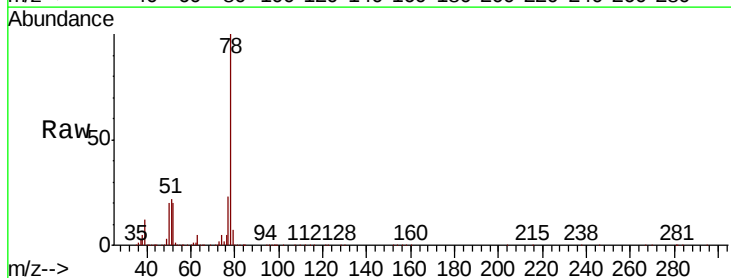
Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Tgt Ion: 78 Resp: 3115226

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.0	27.0
50	19.6	16.5	24.7

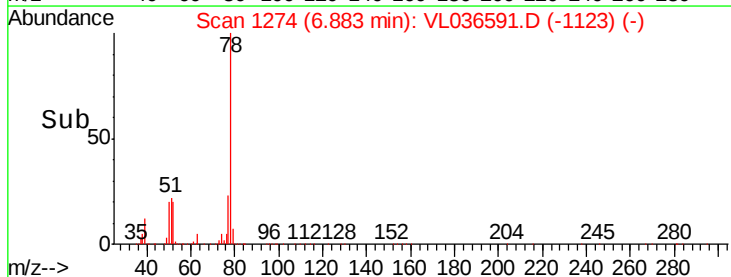
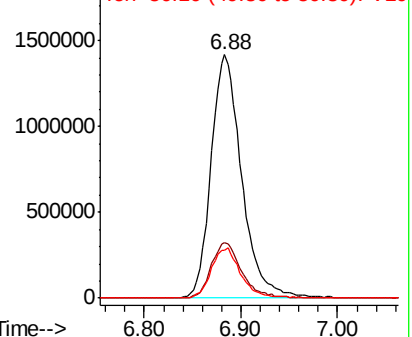


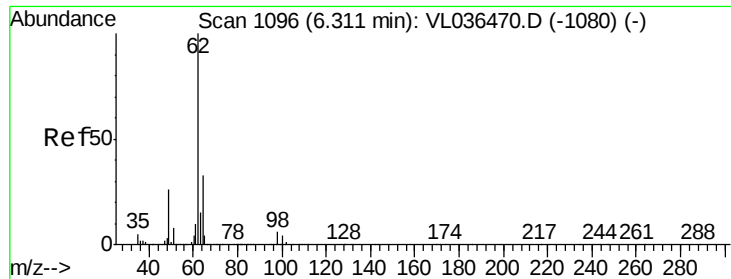
Abundance

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

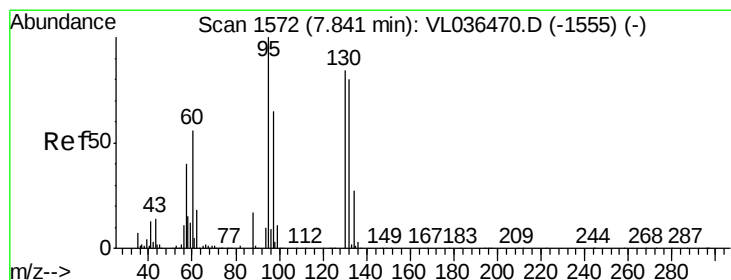
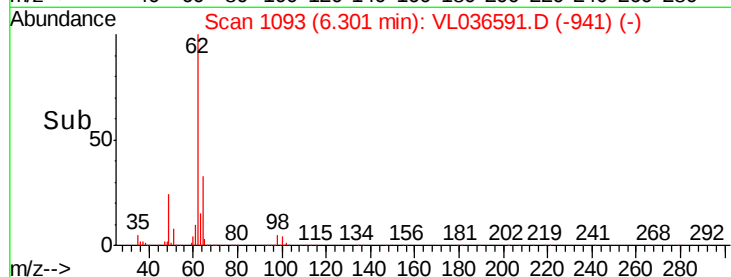
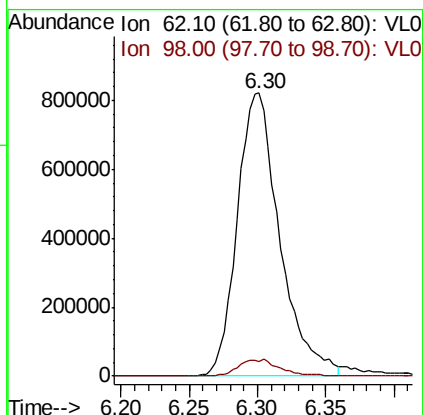
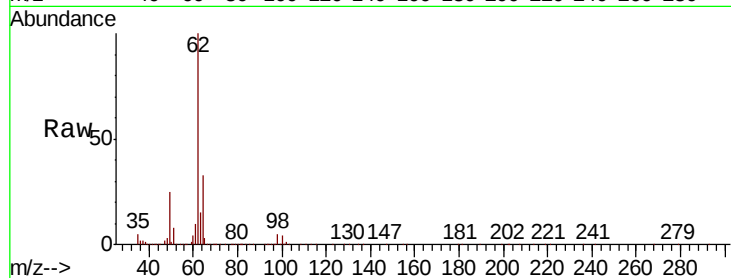




#37
 1,2-Dichloroethane
 Concen: 10.095 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

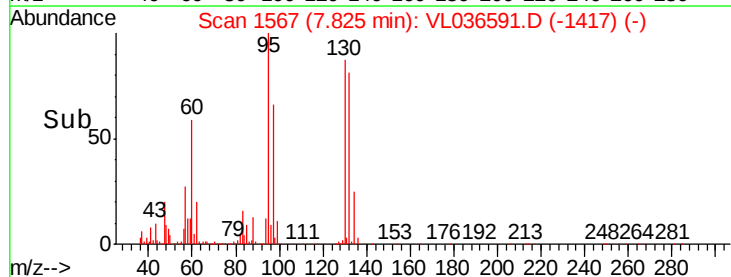
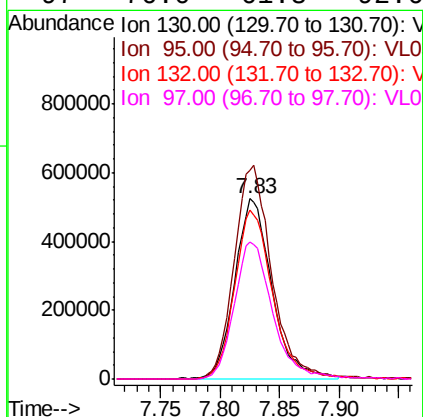
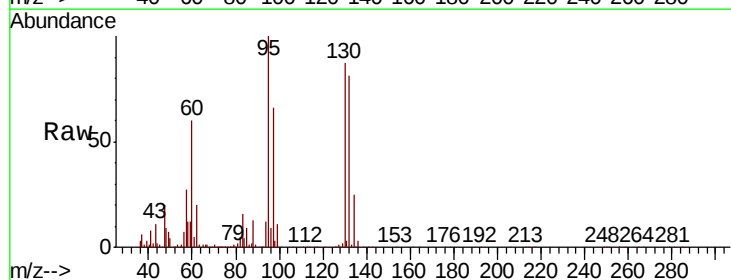
Instrument :
 MSVOA_L
 ClientSampleId :

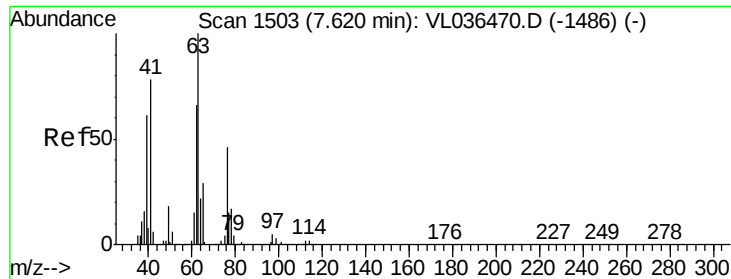
Tot Ion: 62 Resp: 1779392
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.9 7.3



#38
 Trichloroethene
 Concen: 9.609 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Tgt Ion: 130 Resp: 1119945
 Ion Ratio Lower Upper
 130 100
 95 115.8 95.7 143.5
 132 94.1 76.2 114.4
 97 76.0 61.8 92.6



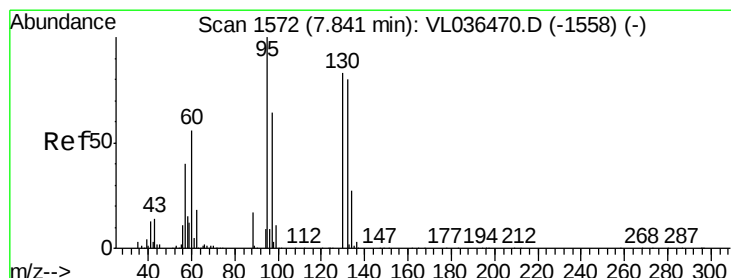
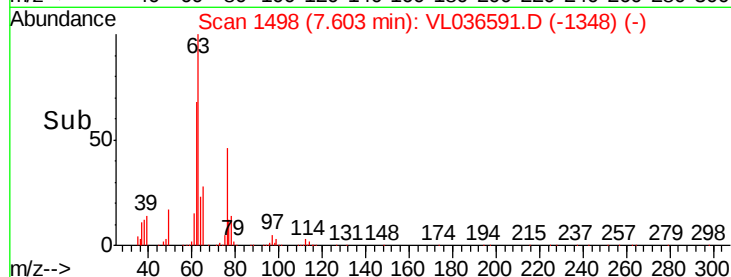
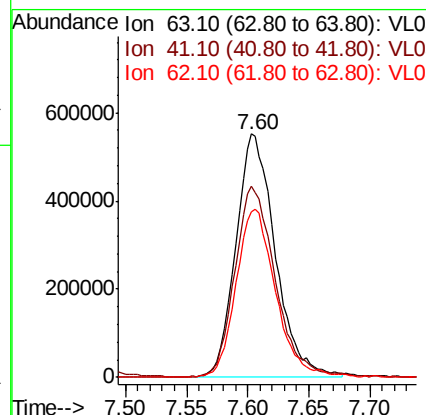
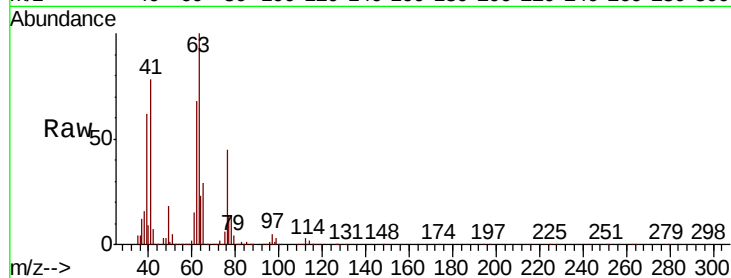


#39
 1,2-Dichloropropane
 Concen: 10.175 ppbv
 RT: 7.60 min Scan# 1498
 Delta R.T. -0.02 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1236153

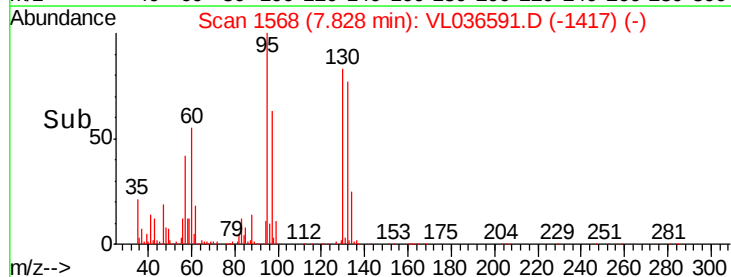
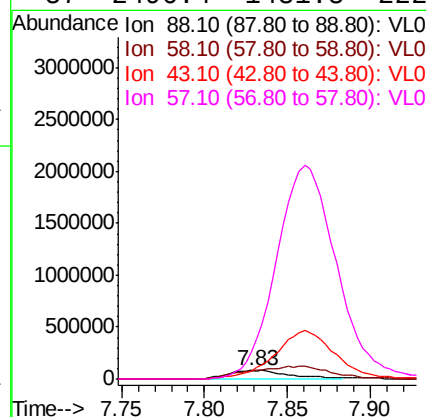
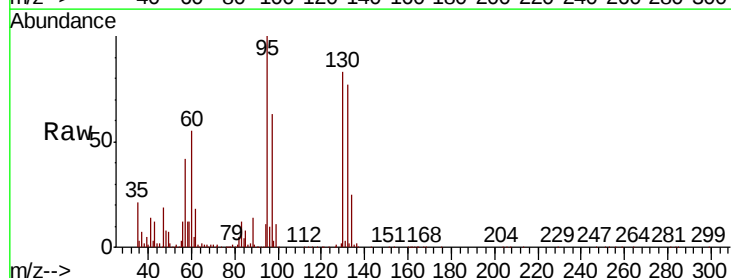
Ion	Ratio	Lower	Upper
63	100		
41	77.8	62.4	93.6
62	67.8	52.8	79.2

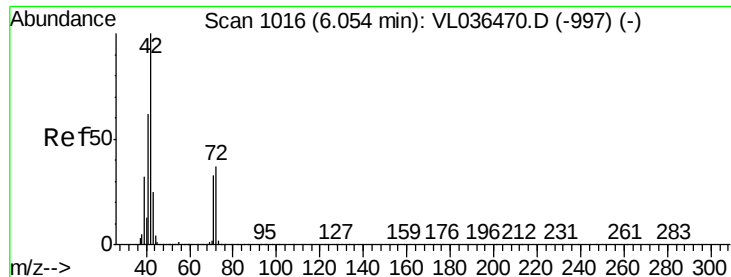


#40
 1,4-Dioxane
 Concen: 7.475 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Tgt Ion: 88 Resp: 211366

Ion	Ratio	Lower	Upper
88	100		
58	204.3	134.1	201.1#
43	561.2	346.6	520.0#
57	2496.4	1481.8	2222.8#

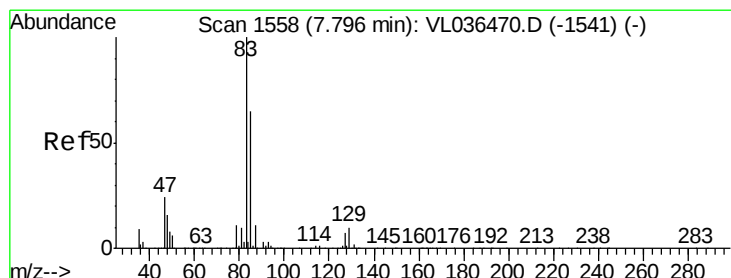
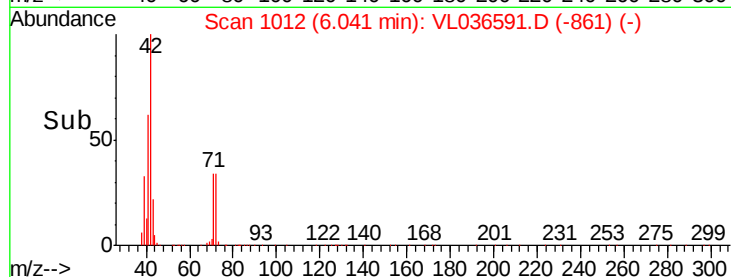
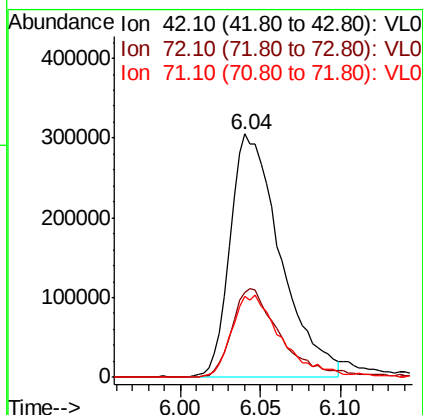
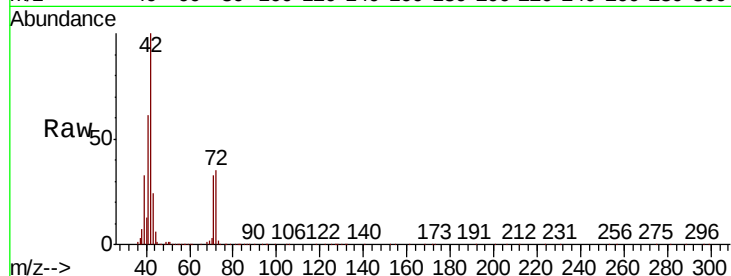




#41
Tetrahydrofuran
Concen: 8.980 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

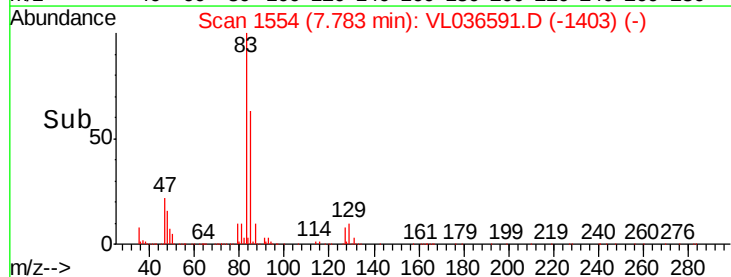
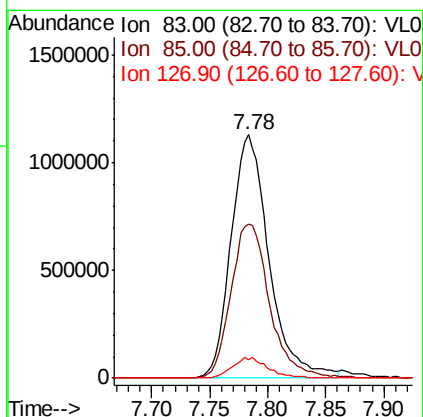
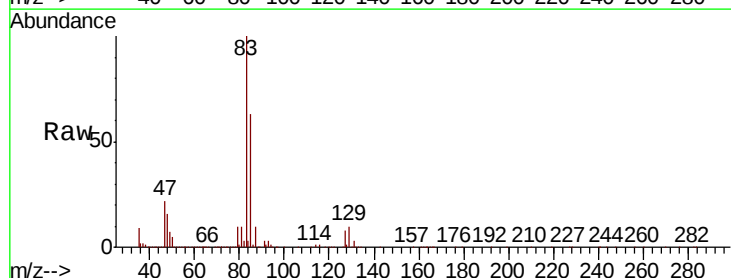
Instrument :
MSVOA_L
ClientSampleId :

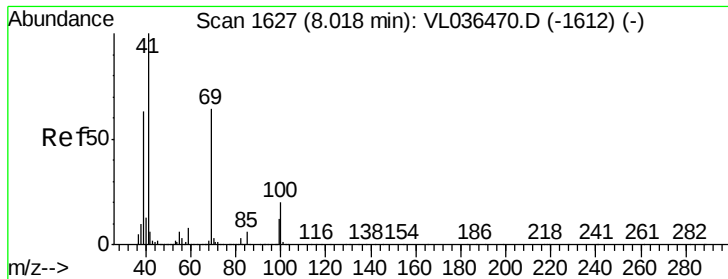
Tot Ion: 42 Resp: 656329
Ion Ratio Lower Upper
42 100
72 36.3 27.6 41.4
71 34.6 27.0 40.4



#42
Bromodichloromethane
Concen: 10.664 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion: 83 Resp: 2556881
Ion Ratio Lower Upper
83 100
85 63.1 51.8 77.6
127 7.8 5.8 8.8





#43

Methyl Methacrylate

Concen: 11.739 ppbv

RT: 8.01 min Scan# 1624

Delta R.T. -0.01 min

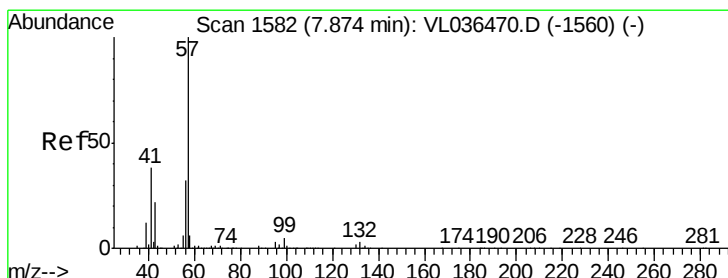
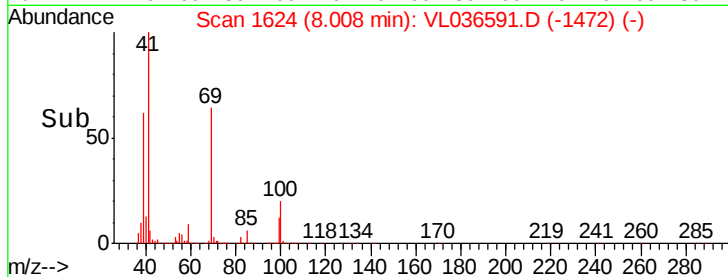
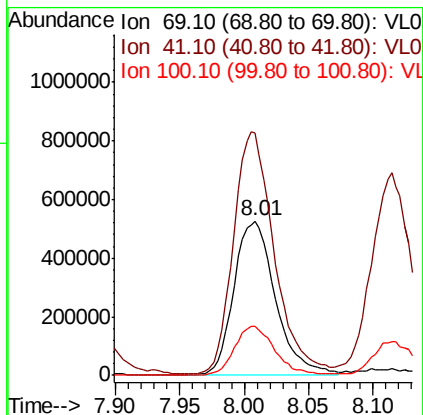
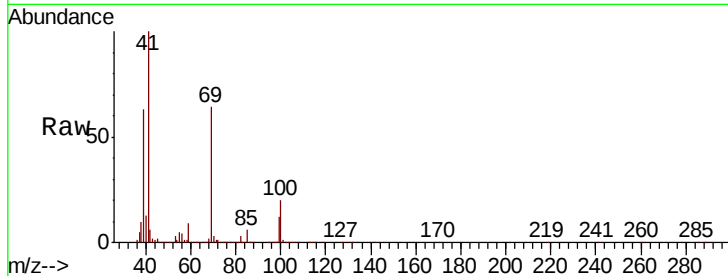
Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 1180510

Ion	Ratio	Lower	Upper
69	100		
41	156.3	126.8	190.2
100	31.2	24.9	37.3



#44

2,2,4-Trimethylpentane

Concen: 9.998 ppbv

RT: 7.86 min Scan# 1578

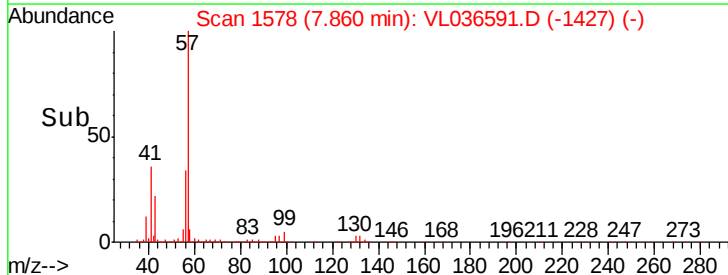
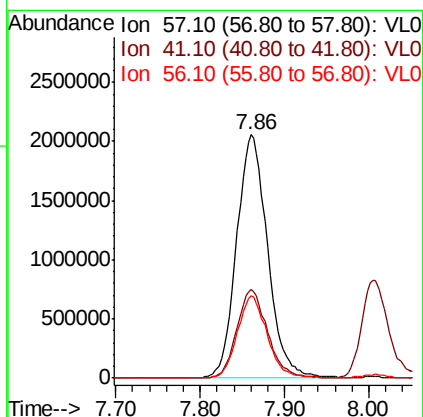
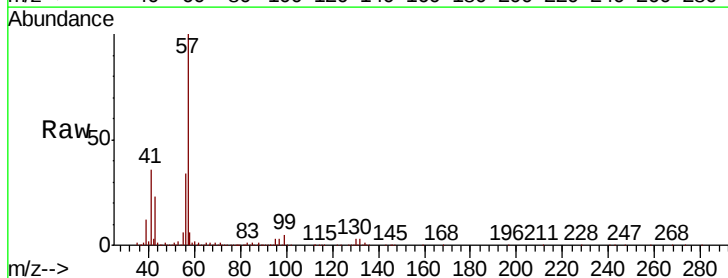
Delta R.T. -0.01 min

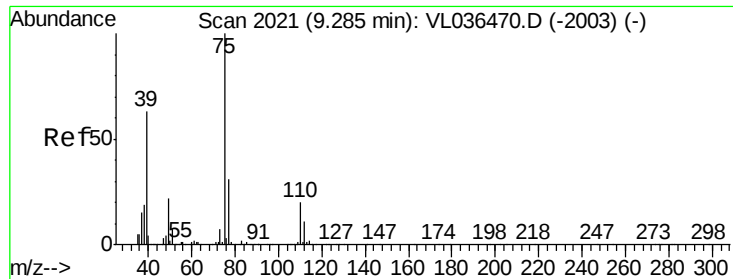
Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Tgt Ion: 57 Resp: 5269800

Ion	Ratio	Lower	Upper
57	100		
41	35.9	28.8	43.2
56	32.6	26.1	39.1

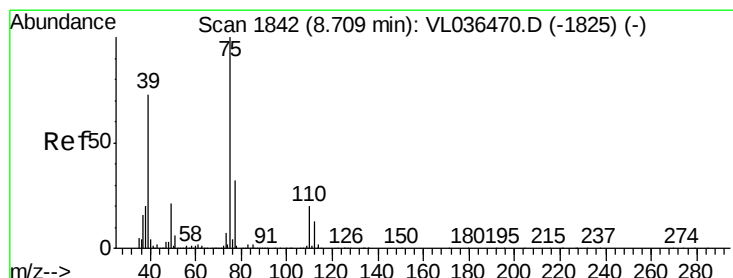
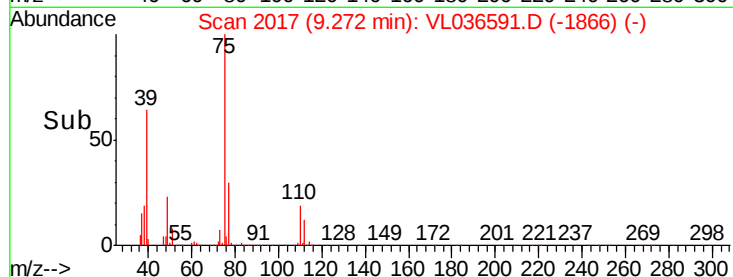
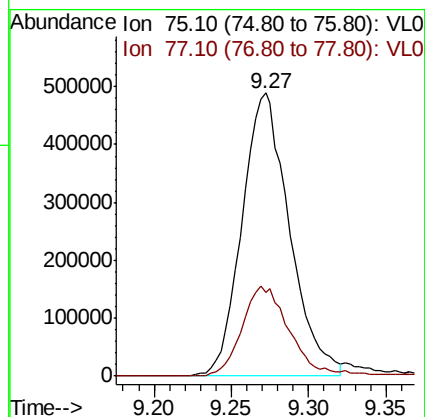
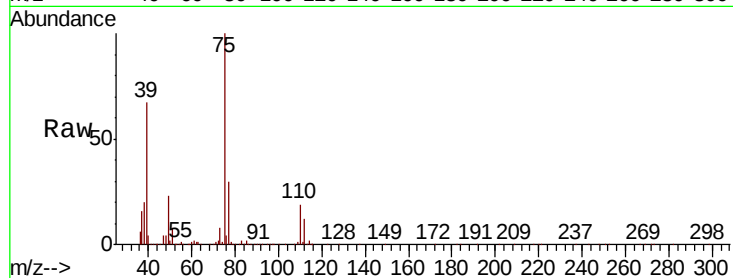




#45
t-1,3-Dichloropropene
Concen: 9.021 ppbv
RT: 9.27 min Scan# 2017
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

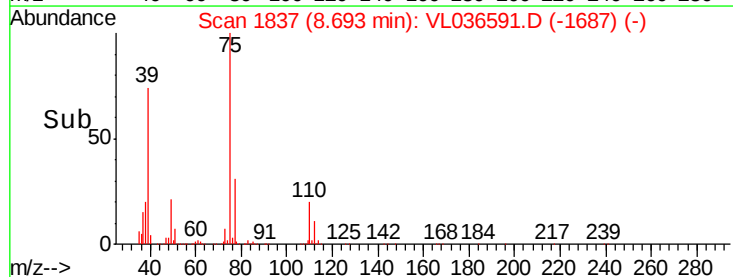
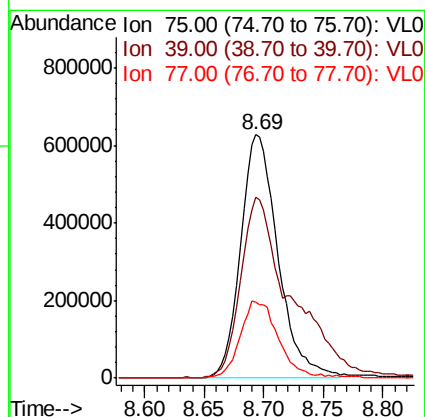
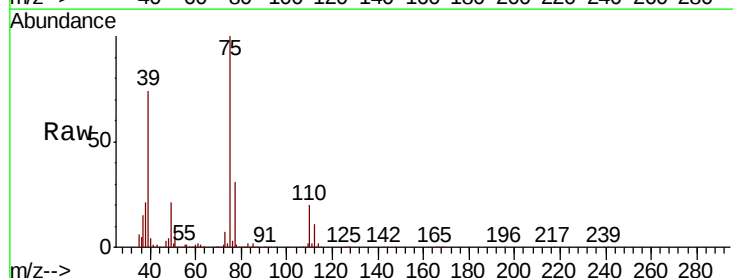
Instrument :
MSVOA_L
ClientSampled :

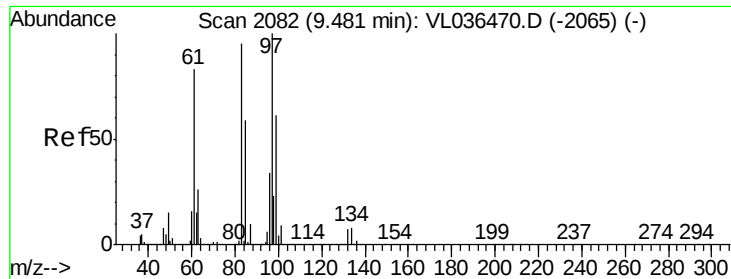
Tot Ion: 75 Resp: 1035924
Ion Ratio Lower Upper
75 100
77 29.7 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 9.290 ppbv
RT: 8.69 min Scan# 1837
Delta R.T. -0.02 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion: 75 Resp: 1363711
Ion Ratio Lower Upper
75 100
39 74.1 58.2 87.2
77 31.2 25.2 37.8



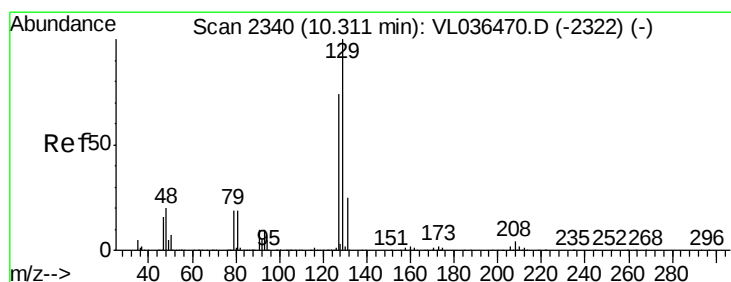
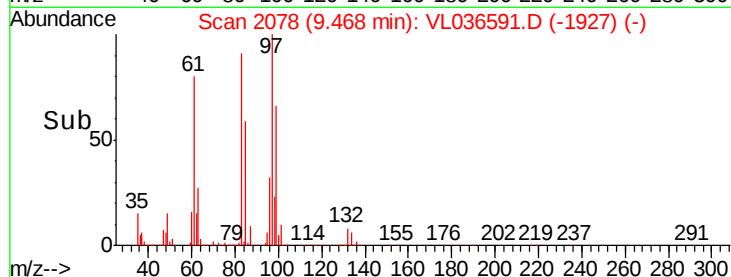
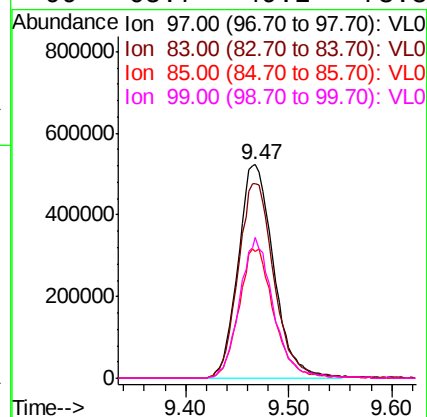
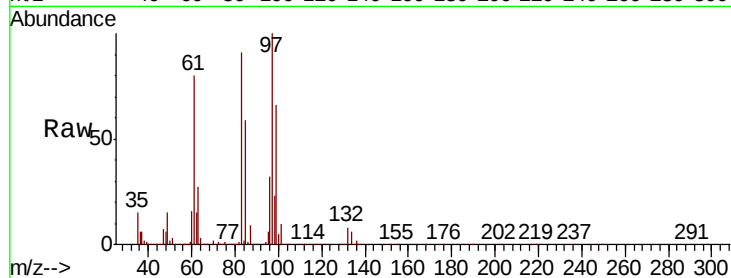


#47
 1,1,2-Trichloroethane
 Concen: 10.233 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1259162

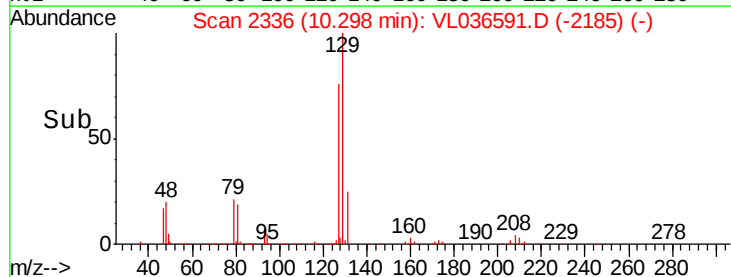
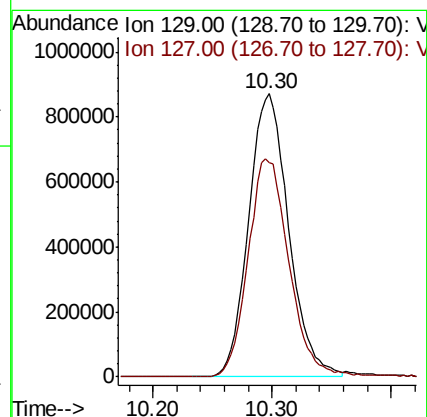
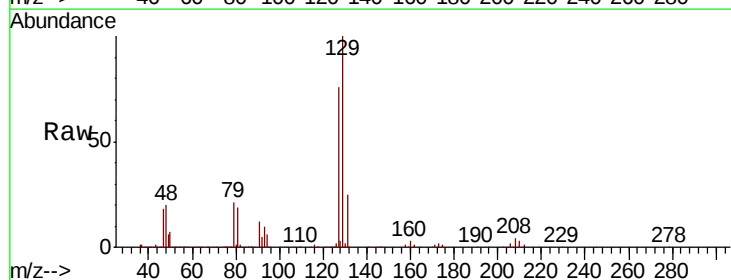
Ion	Ratio	Lower	Upper
97	100		
83	91.1	75.8	113.8
85	59.2	47.1	70.7
99	65.7	49.2	73.8

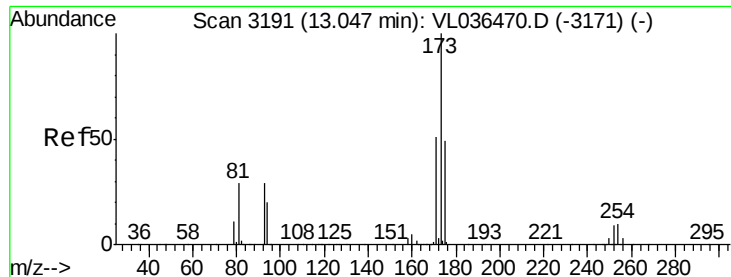


#48
 Dibromochloromethane
 Concen: 10.833 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Tgt Ion: 129 Resp: 2031996

Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.6	118.8





#49

Bromoform

Concen: 10.981 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

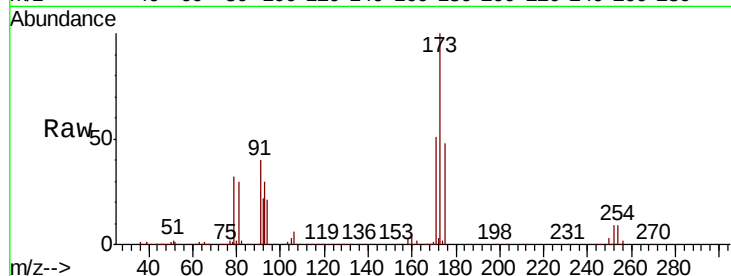
Tot Ion:173 Resp: 1659764

Ion Ratio Lower Upper

173 100

175 49.5 39.6 59.4

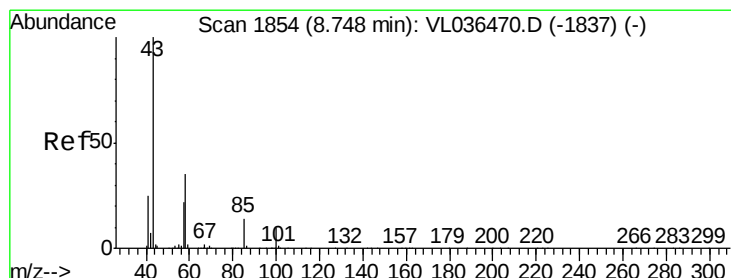
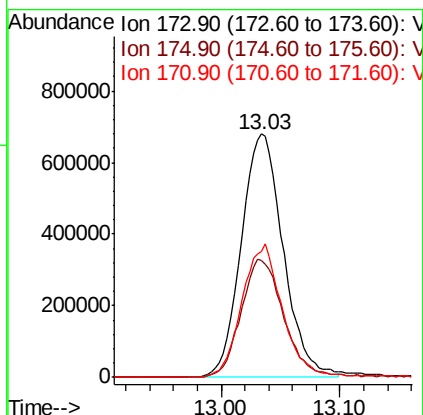
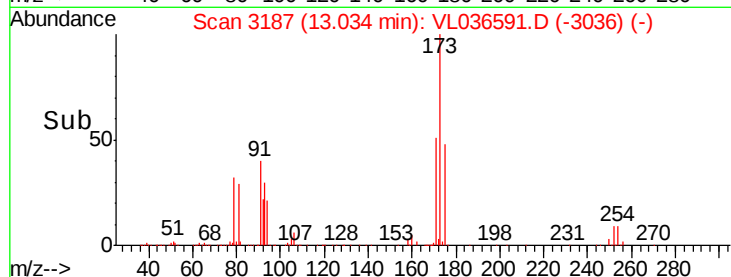
171 53.6 41.4 62.0



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: 10.042 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.02 min

Lab File: VL036591.D

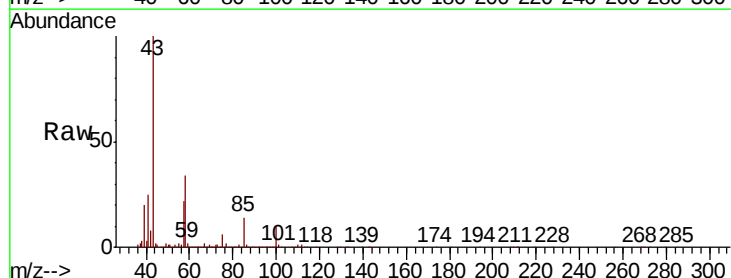
Acq: 31 Mar 2021 5:49

Tgt Ion: 43 Resp: 2303303

Ion Ratio Lower Upper

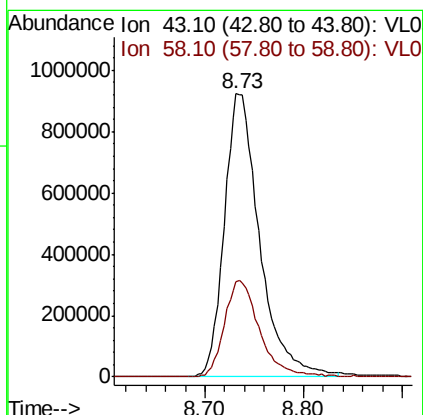
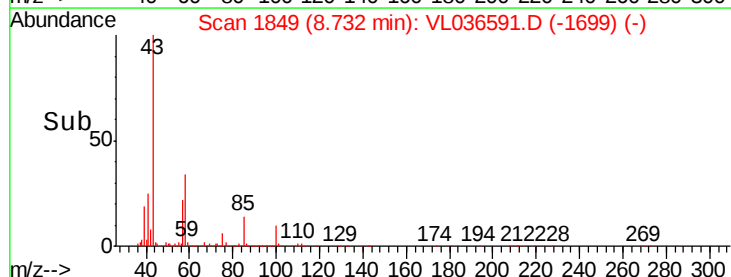
43 100

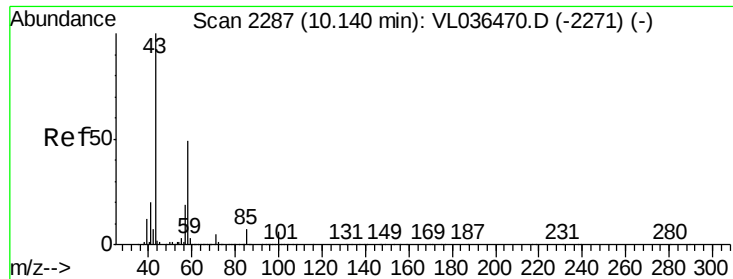
58 34.4 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

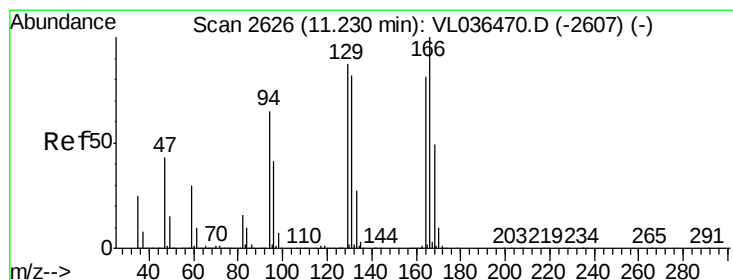
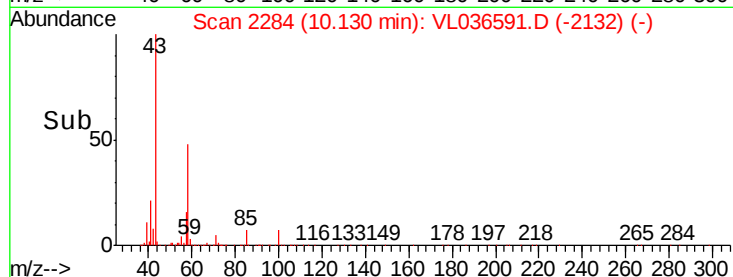
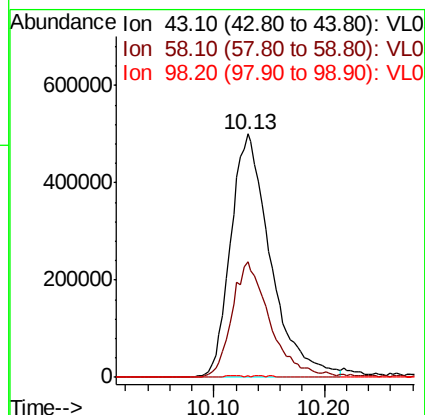
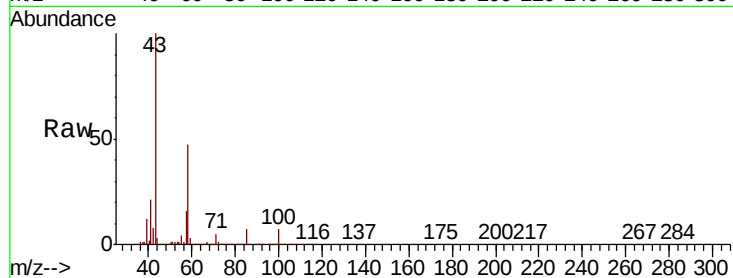




#51
2-Hexanone
Concen: 10.819 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

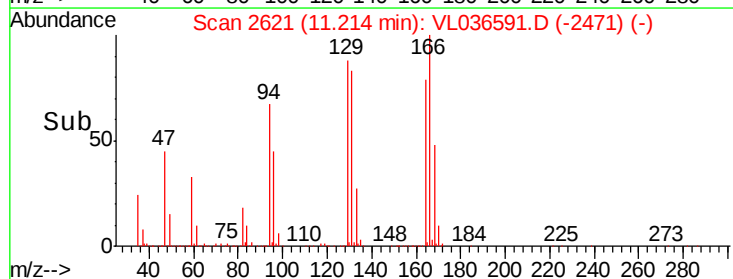
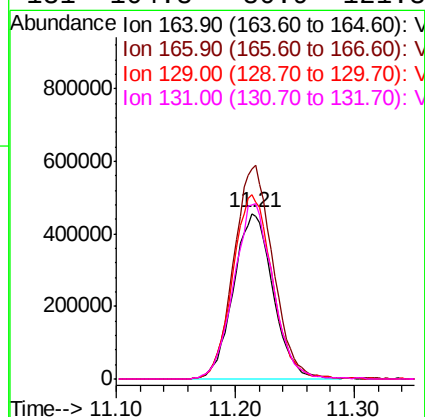
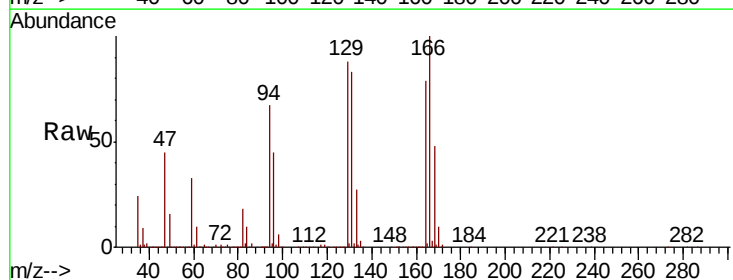
Instrument :
MSVOA_L
ClientSampleId :

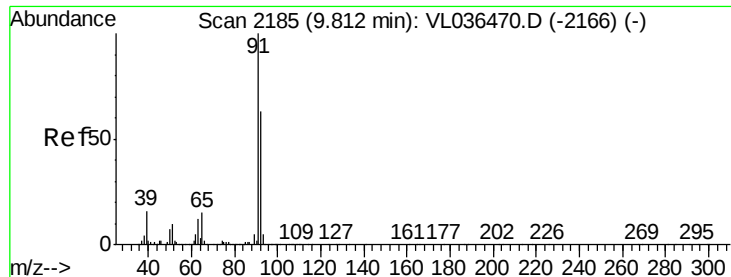
Tot Ion: 43 Resp: 1252268
Ion Ratio Lower Upper
43 100
58 45.9 37.7 56.5
98 0.8 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.474 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.02 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion: 164 Resp: 1044836
Ion Ratio Lower Upper
164 100
166 126.5 98.3 147.5
129 111.2 85.8 128.8
131 104.8 80.9 121.3





#53

Toluene

Concen: 10.827 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

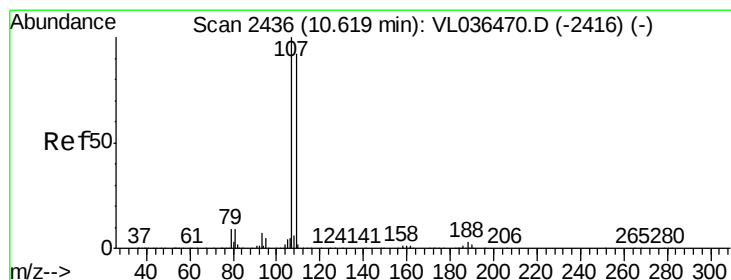
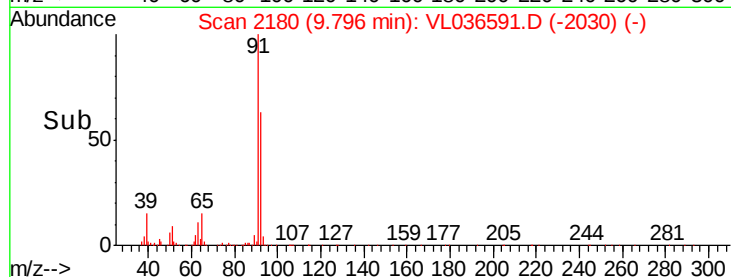
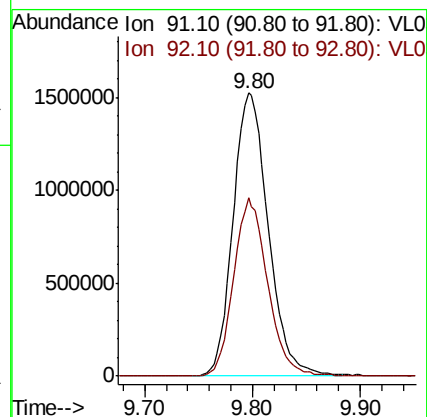
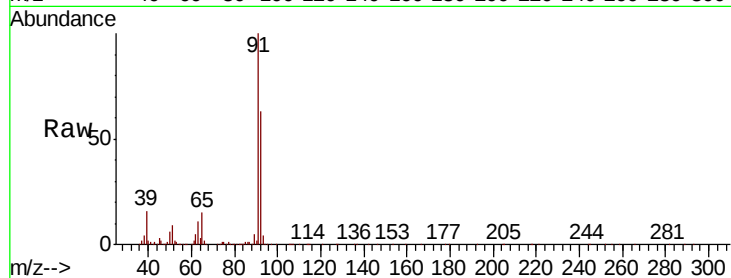
ClientSampleId :

Tot Ion: 91 Resp: 3453213

Ion Ratio Lower Upper

91 100

92 61.0 48.8 73.2



#54

1,2-Dibromoethane

Concen: 10.138 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. -0.01 min

Lab File: VL036591.D

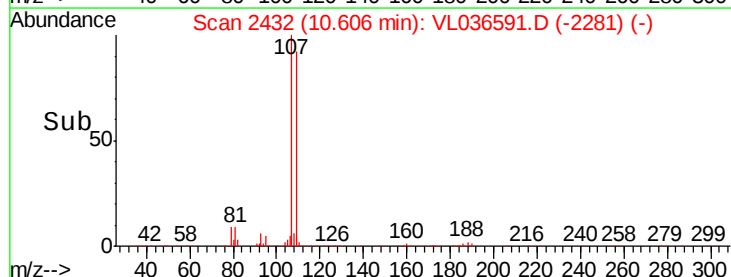
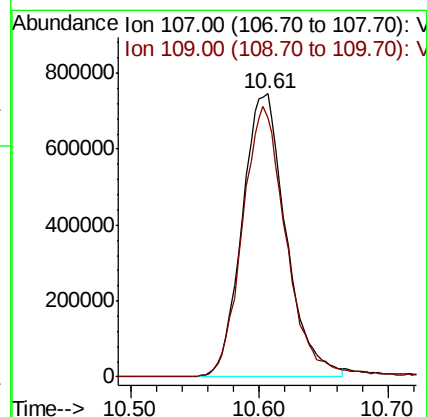
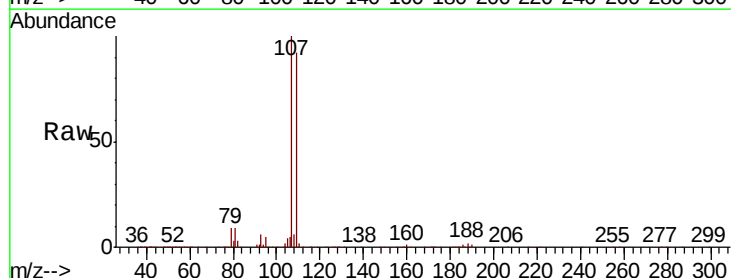
Acq: 31 Mar 2021 5:49

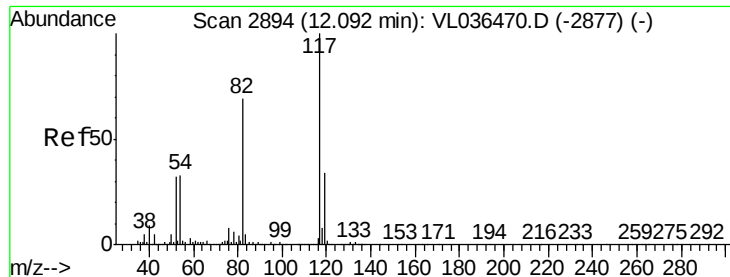
Tgt Ion: 107 Resp: 1761745

Ion Ratio Lower Upper

107 100

109 91.4 73.9 110.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2890

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

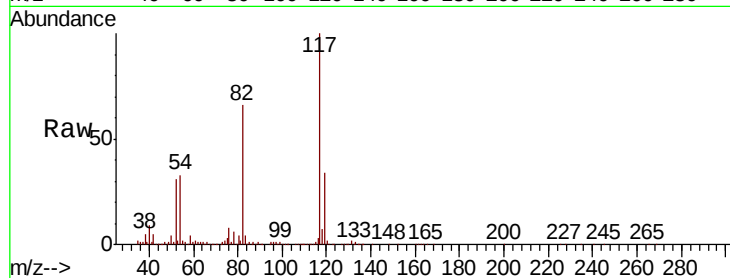
Tot Ion:117 Resp: 3831328

Ion Ratio Lower Upper

117 100

82 55.2 57.4 86.0#

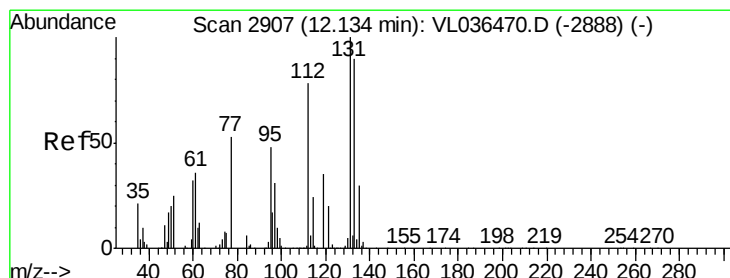
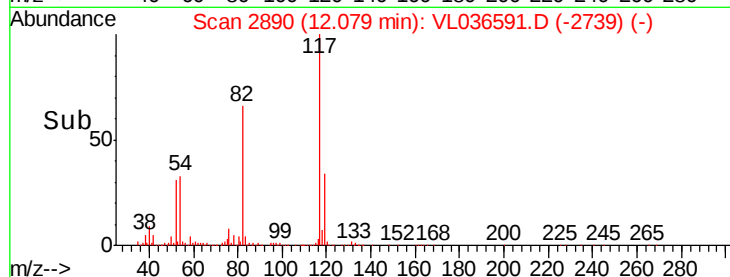
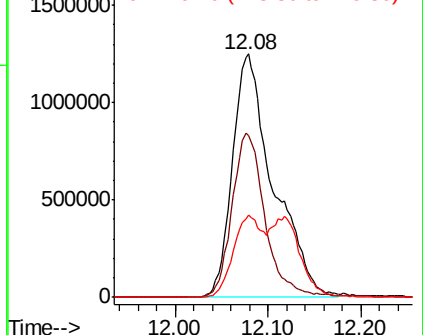
119 21.0 47.4 71.0#



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: 8.333 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. -0.02 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

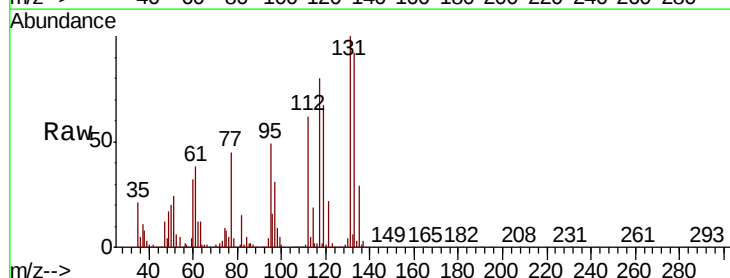
Tgt Ion:131 Resp: 1443960

Ion Ratio Lower Upper

131 100

133 94.8 75.8 113.6

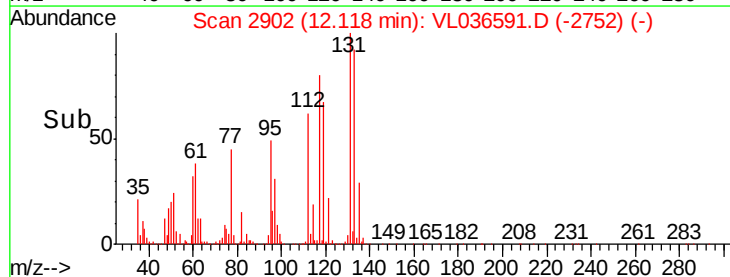
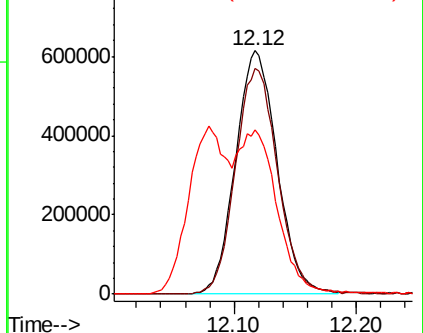
119 69.1 48.7 73.1

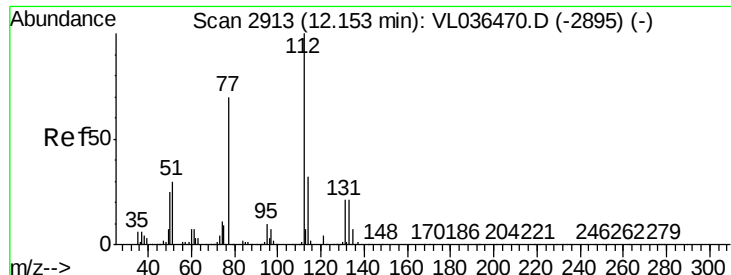


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

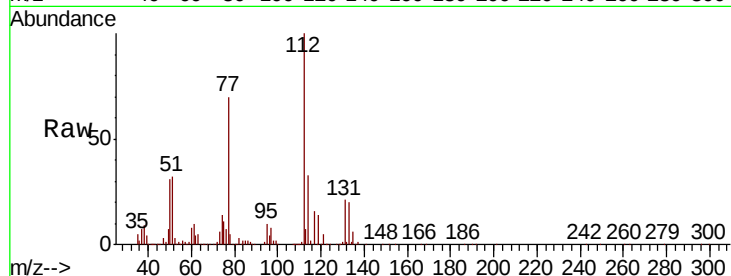




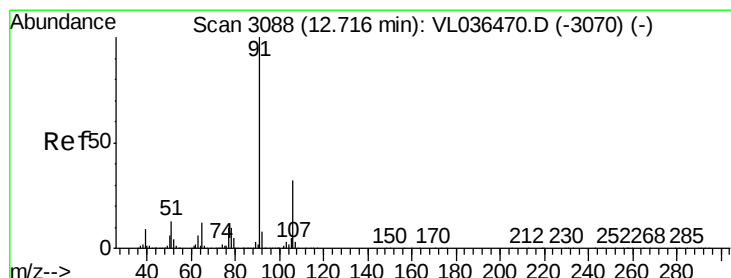
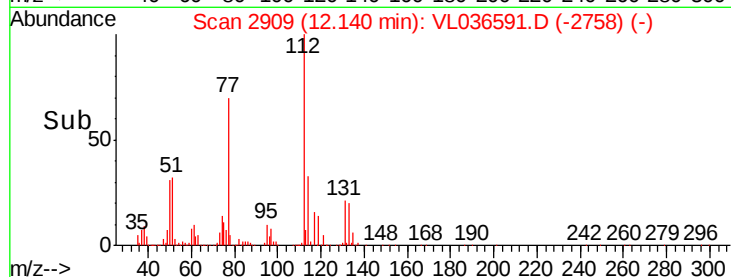
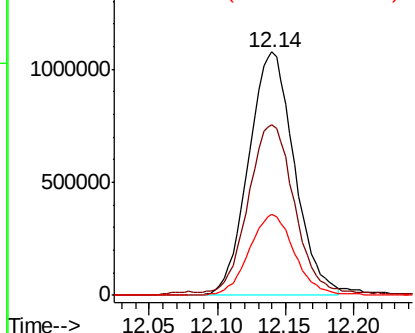
#57
Chlorobenzene
Concen: 7.675 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 2501993
Ion Ratio Lower Upper
112 100
77 68.5 56.0 84.0
114 33.3 29.0 35.4

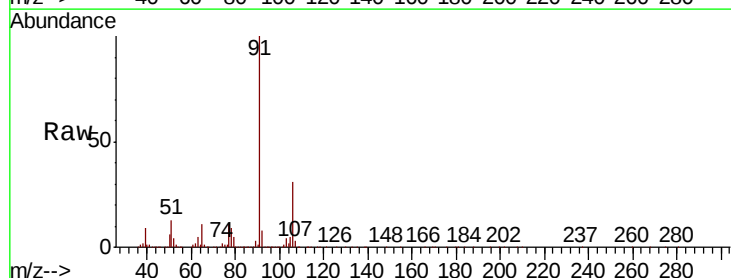


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

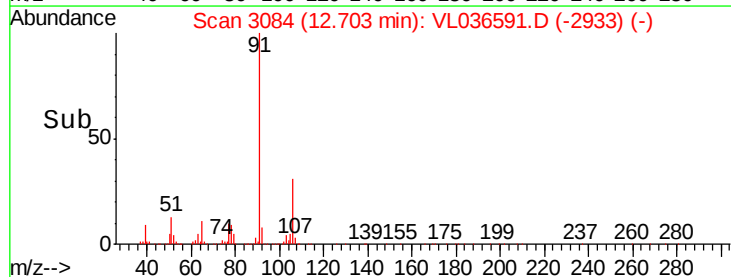
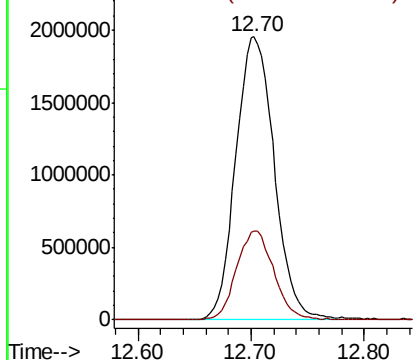


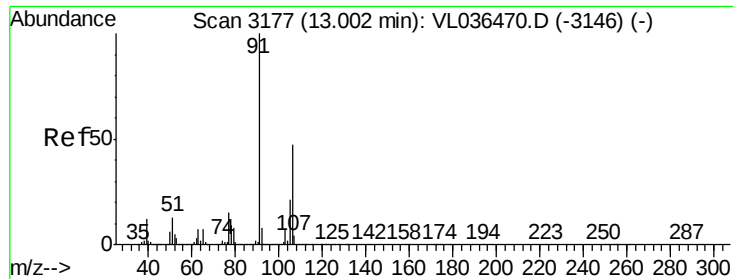
#58
Ethyl Benzene
Concen: 8.302 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion: 91 Resp: 4627596
Ion Ratio Lower Upper
91 100
106 31.2 25.3 37.9



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

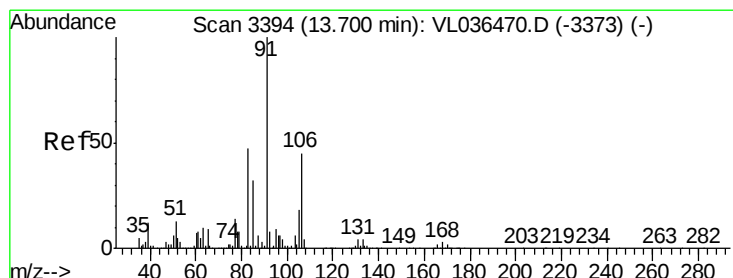
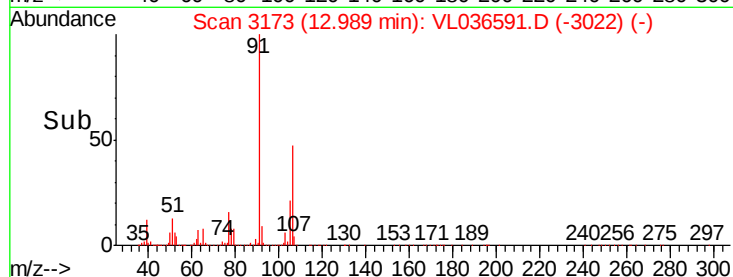
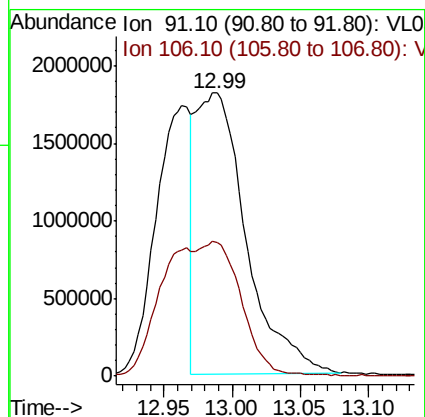
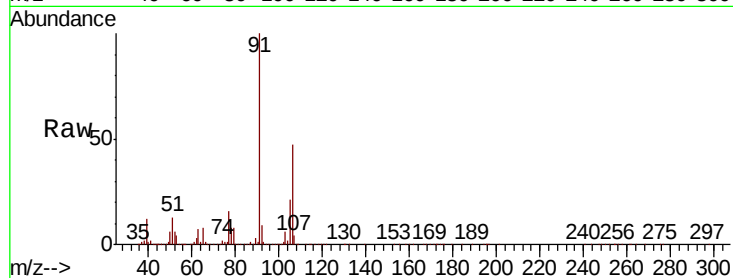




#59
m/p-Xylene
Concen: 9.484 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

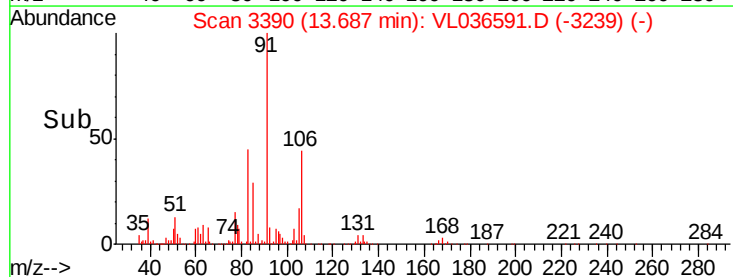
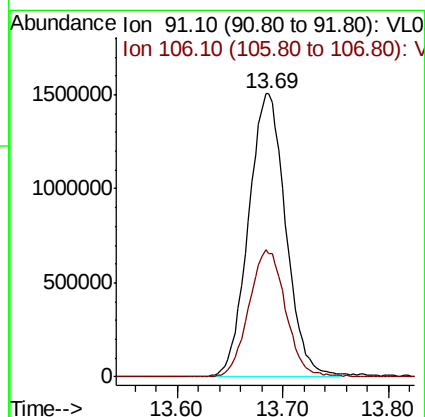
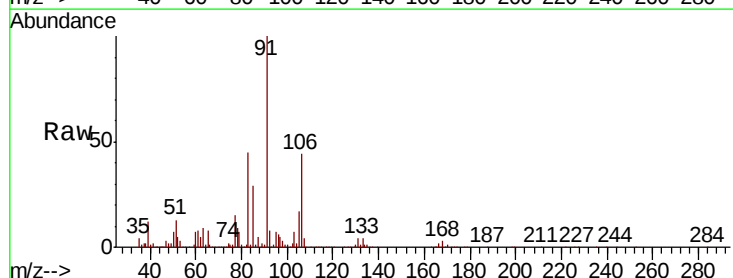
Instrument :
MSVOA_L
ClientSampled :

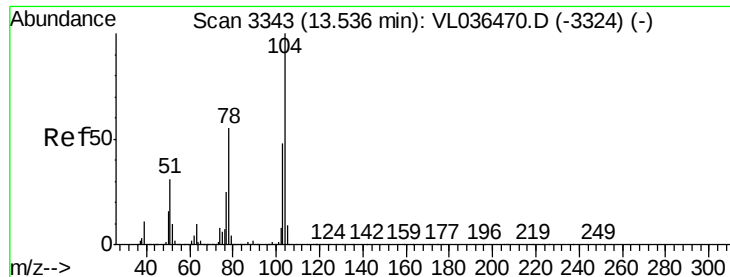
Tot Ion: 91 Resp: 4611045
Ion Ratio Lower Upper
91 100
106 75.4 35.3 52.9#



#60
o-Xylene
Concen: 7.855 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion: 91 Resp: 3692554
Ion Ratio Lower Upper
91 100
106 44.6 22.3 66.9





#61

Stvrene

Concen: 8.434 ppbv

RT: 13.52 min Scan# 3339

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampled :

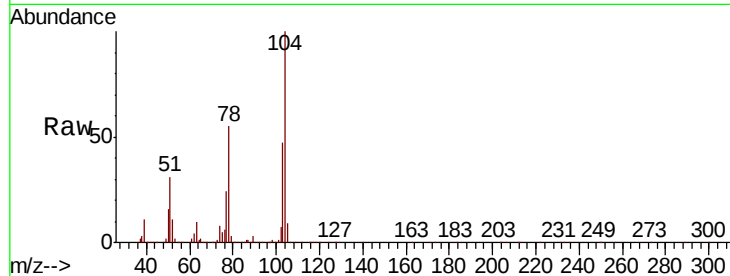
Tot Ion:104 Resp: 1994546

Ion Ratio Lower Upper

104 100

78 55.8 43.8 65.8

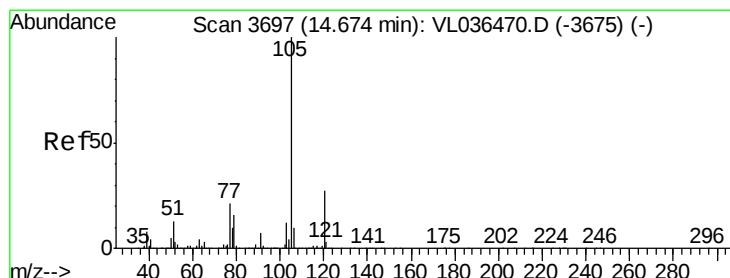
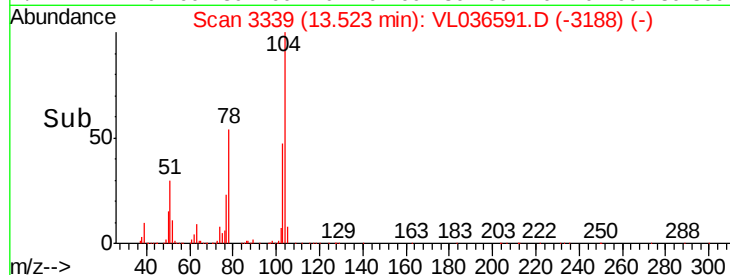
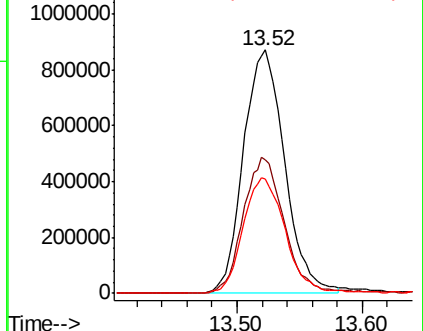
103 48.8 38.3 57.5



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: 8.058 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. -0.01 min

Lab File: VL036591.D

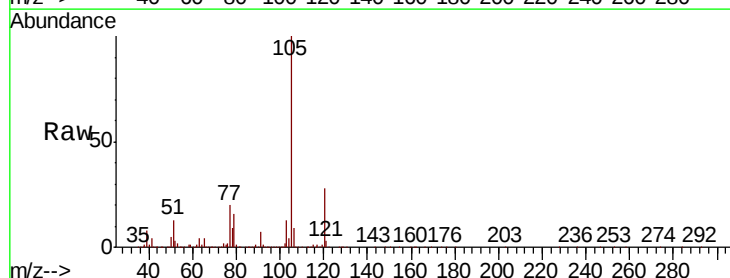
Acq: 31 Mar 2021 5:49

Tgt Ion:105 Resp: 5101032

Ion Ratio Lower Upper

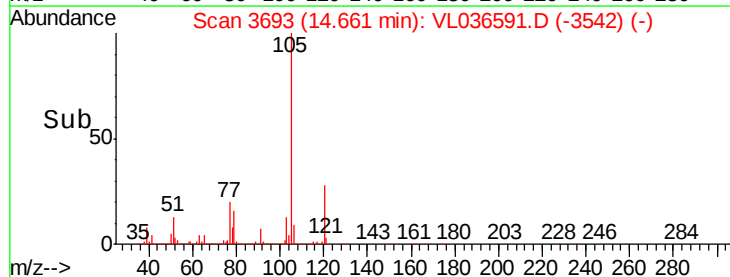
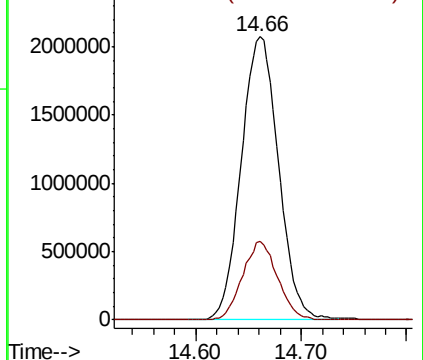
105 100

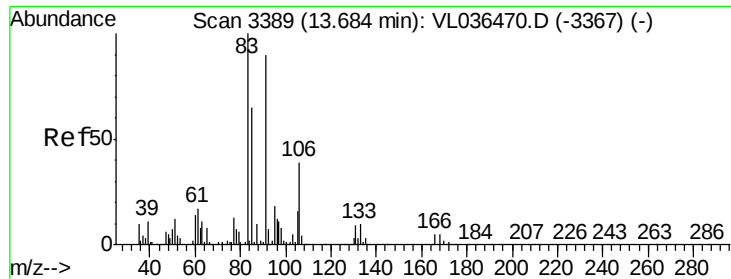
120 26.4 20.6 31.0



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: 7.420 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

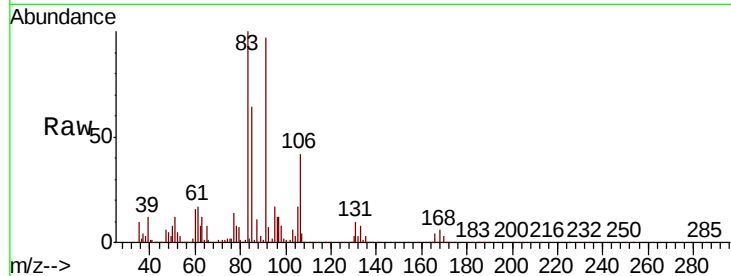
Tot Ion: 83 Resp: 2660668

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

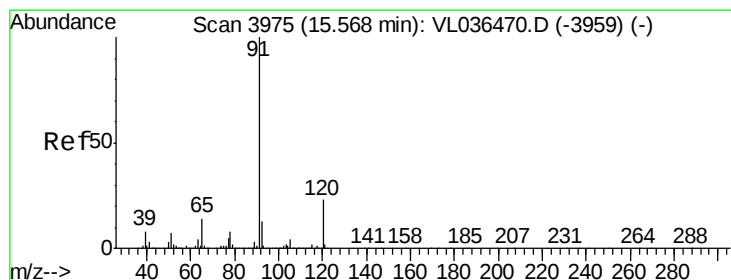
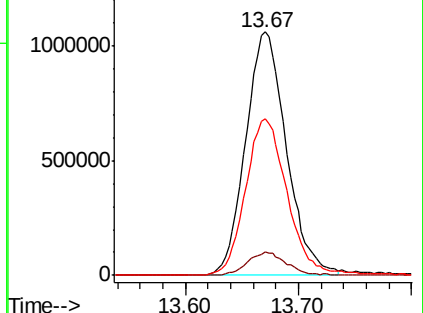
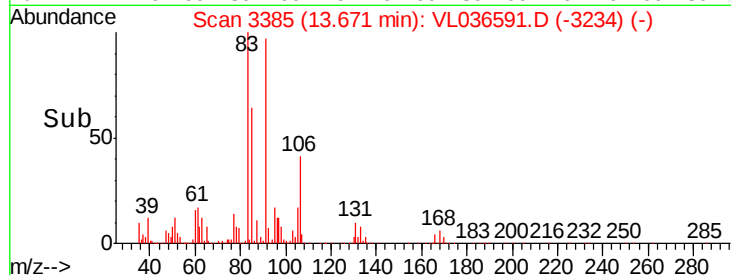
85 66.0 33.1 99.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.710 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. -0.02 min

Lab File: VL036591.D

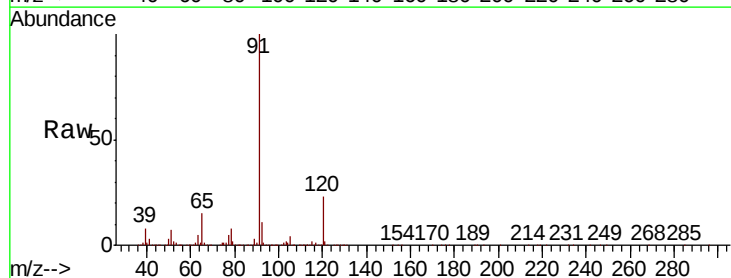
Acq: 31 Mar 2021 5:49

Tgt Ion:120 Resp: 1348032

Ion Ratio Lower Upper

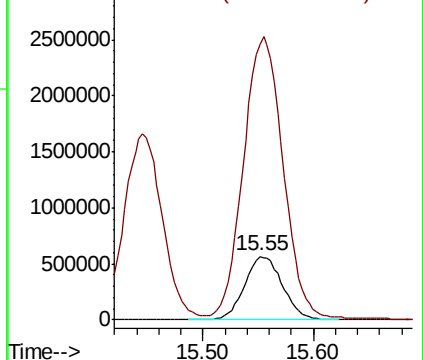
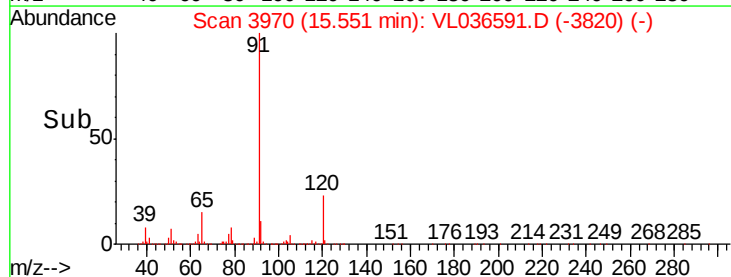
120 100

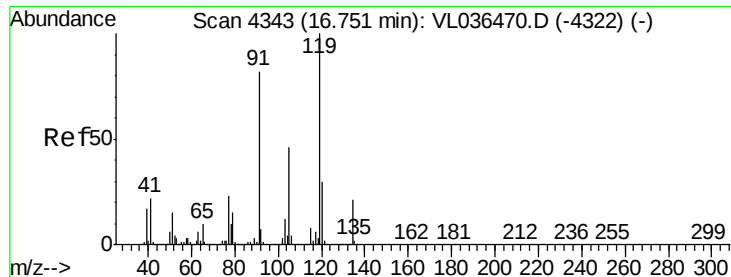
91 472.1 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.067 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

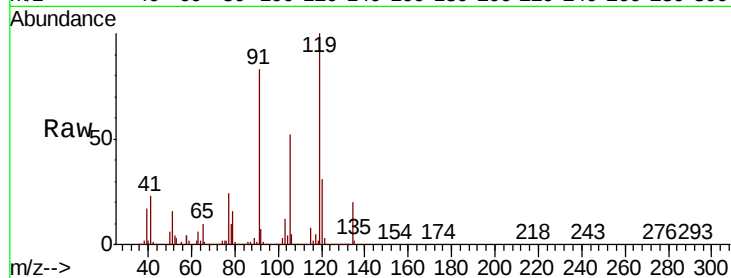
Tot Ion:119 Resp: 4428126

Ion	Ratio	Lower	Upper
119	100		
91	85.3	67.5	101.3
134	19.6	15.8	23.8

119 100

91 85.3 67.5 101.3

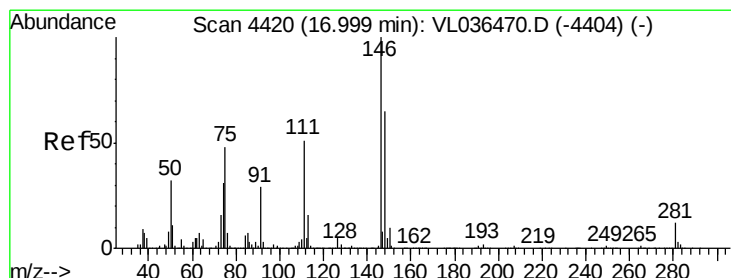
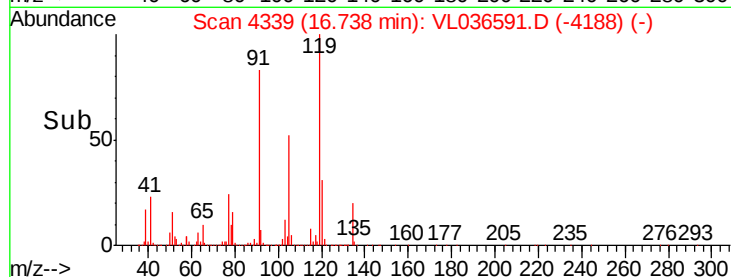
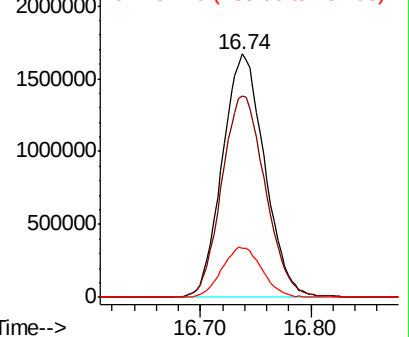
134 19.6 15.8 23.8



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: 8.293 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. -0.02 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

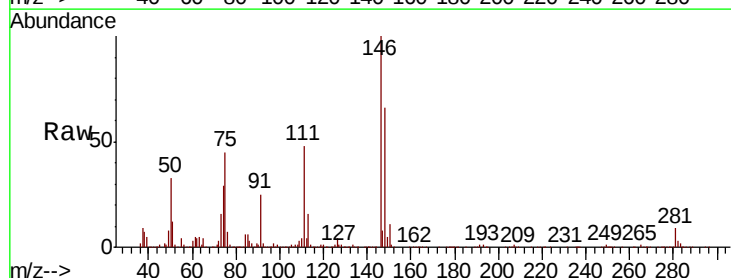
Tgt Ion: 91 Resp: 503175

Ion	Ratio	Lower	Upper
91	100		
126	16.6	13.5	20.3
128	6.0	4.2	6.4

91 100

126 16.6 13.5 20.3

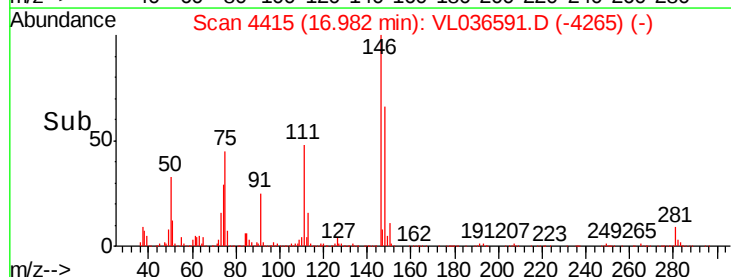
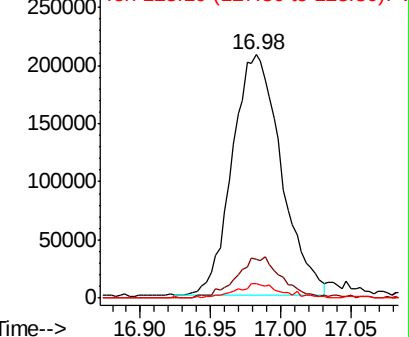
128 6.0 4.2 6.4

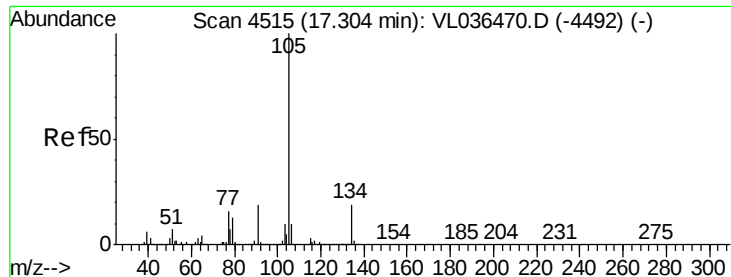


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.057 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. -0.02 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

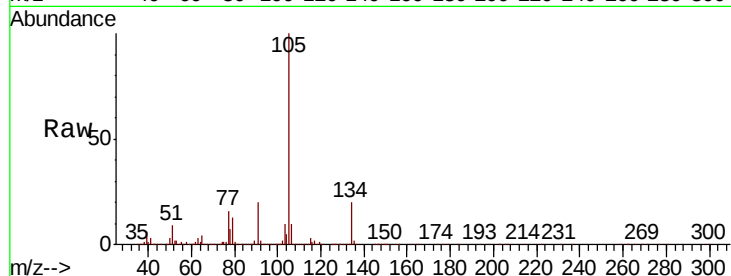
ClientSampleId :

Tot Ion:105 Resp: 6243091

Ion Ratio Lower Upper

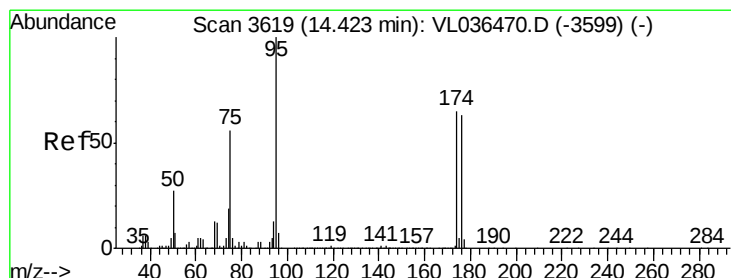
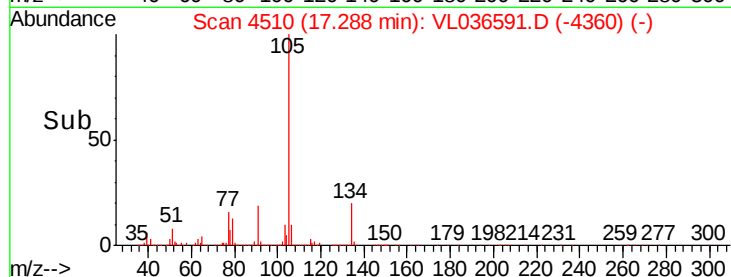
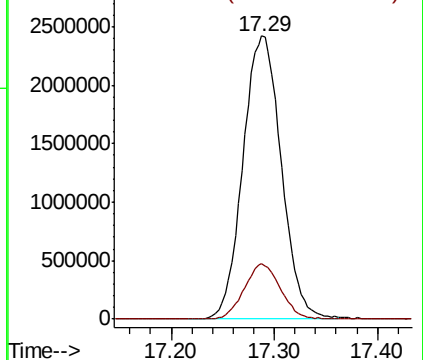
105 100

134 18.4 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: 8.177 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

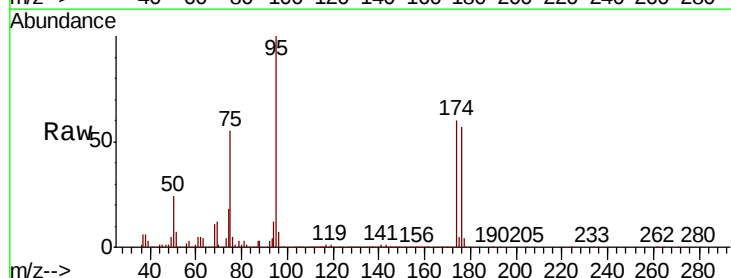
Tgt Ion: 95 Resp: 2496891

Ion Ratio Lower Upper

95 100

174 63.4 51.0 76.6

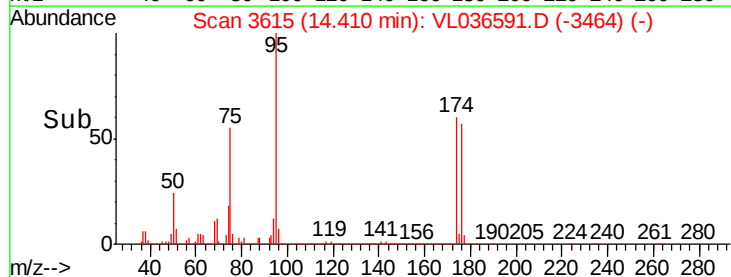
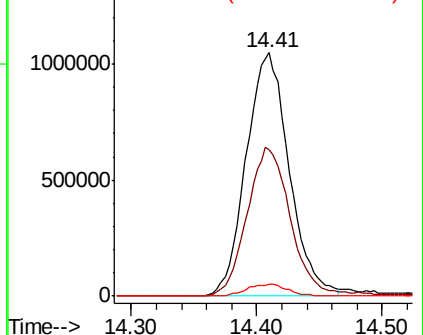
175 4.8 3.9 5.9

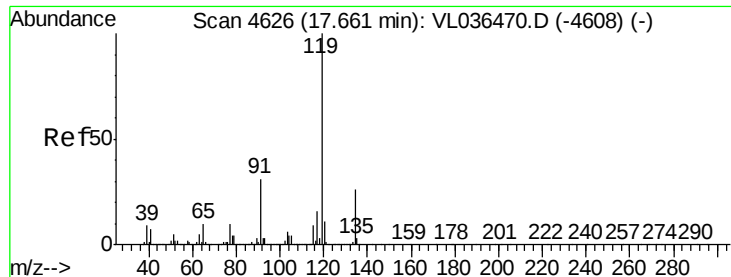


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 8.416 ppbv

RT: 17.65 min Scan# 4622

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampled :

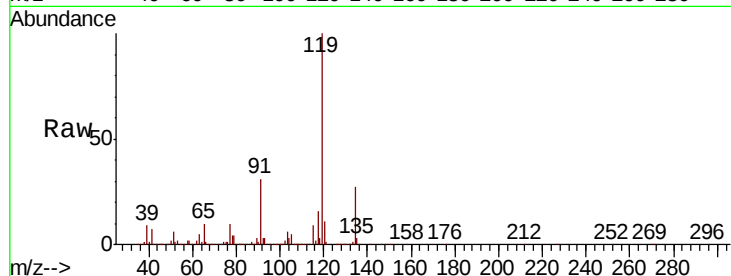
Tot Ion: 119 Resp: 5092647

Ion Ratio Lower Upper

119 100

134 25.7 20.6 30.8

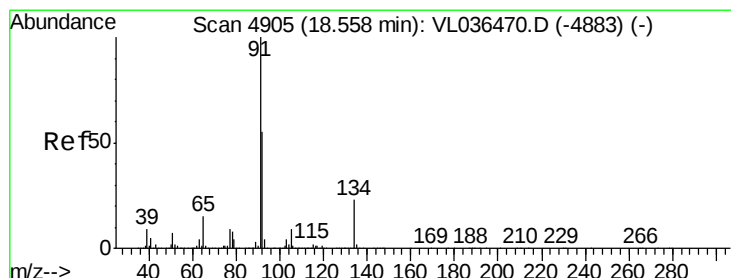
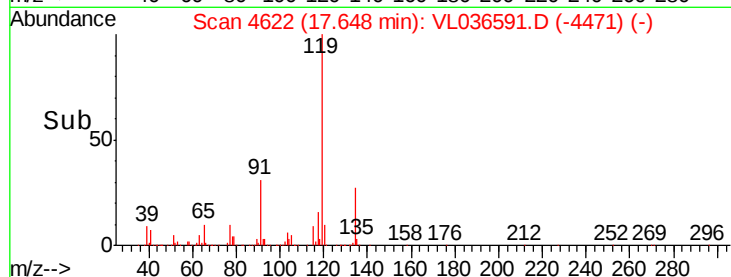
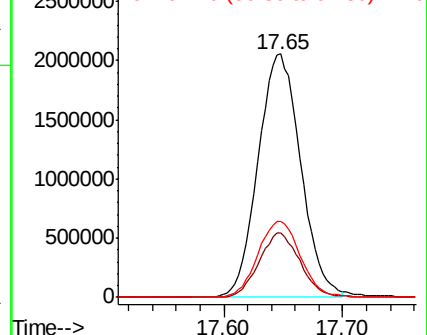
91 31.3 25.0 37.6



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: 8.496 ppbv

RT: 18.54 min Scan# 4901

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

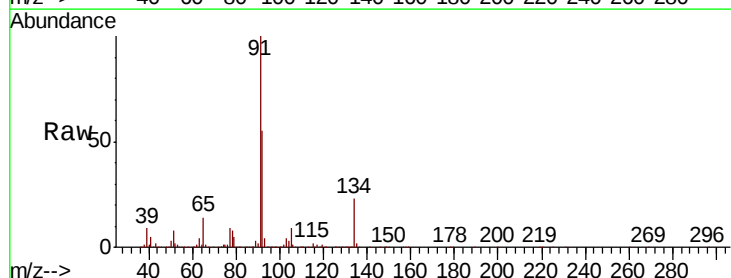
Tgt Ion: 91 Resp: 5330205

Ion Ratio Lower Upper

91 100

92 54.4 43.8 65.8

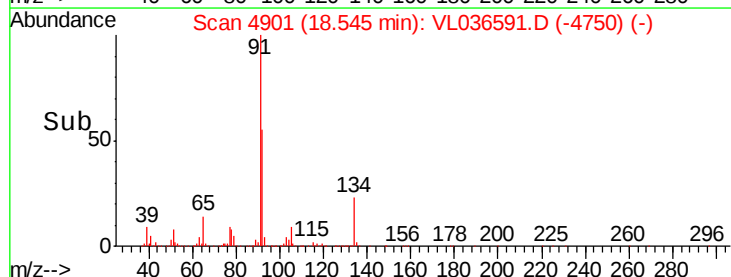
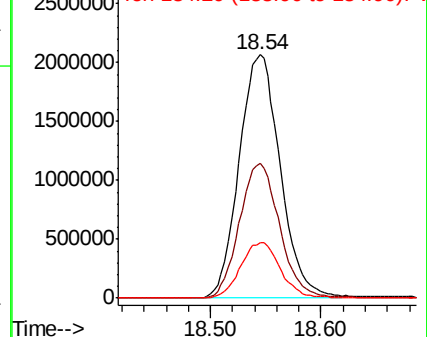
134 22.4 18.0 27.0

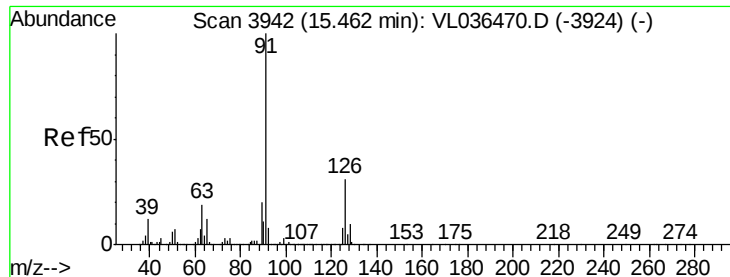


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V

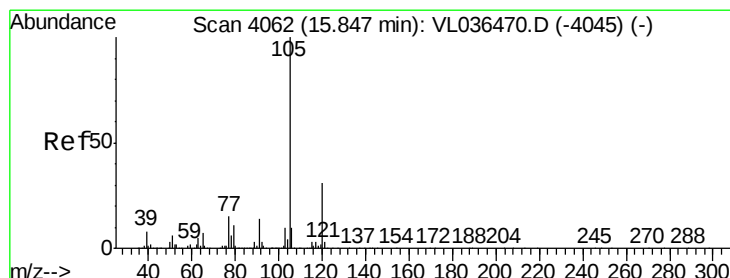
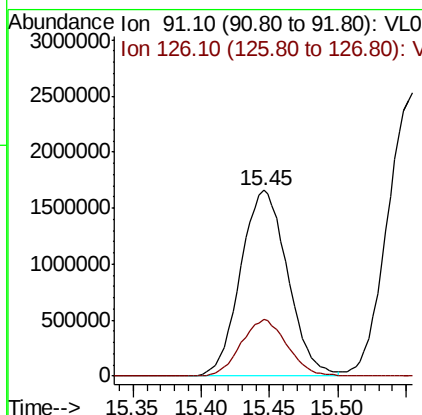
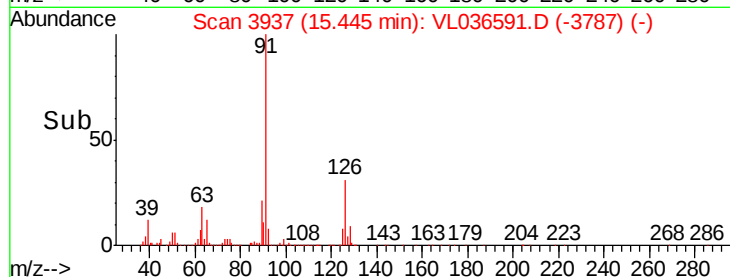
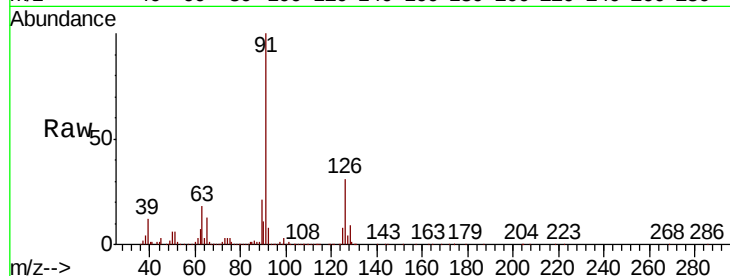




#71
 2-Chlorotoluene
 Concen: 8.352 ppbv
 RT: 15.45 min Scan# 3937
 Delta R.T. -0.02 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

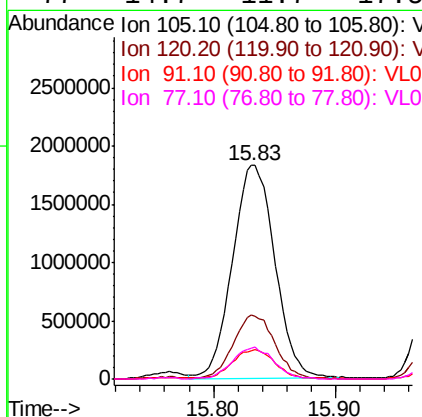
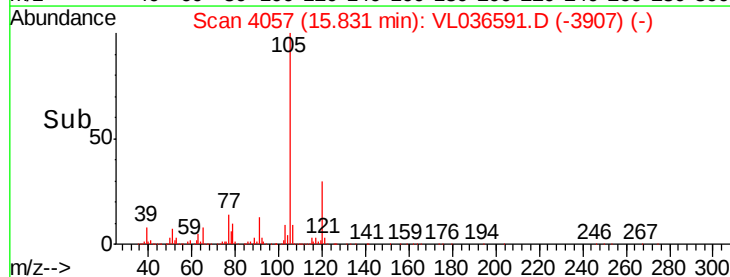
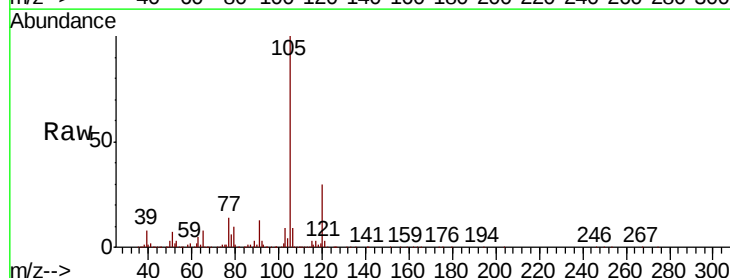
Instrument :
 MSVOA_L
 ClientSampleId :

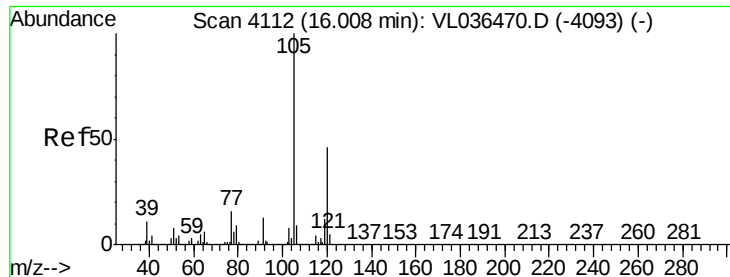
Tot Ion: 91 Resp: 3961836
 Ion Ratio Lower Upper
 91 100
 126 30.3 12.1 48.5



#72
 4-Ethyltoluene
 Concen: 8.513 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. -0.02 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Tgt Ion: 105 Resp: 4384906
 Ion Ratio Lower Upper
 105 100
 120 29.5 24.0 36.0
 91 14.4 11.0 16.4
 77 14.7 11.7 17.5



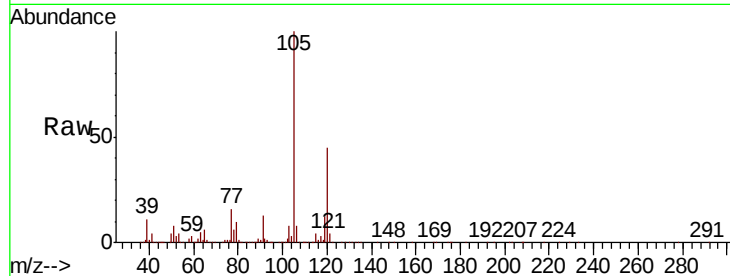


#73

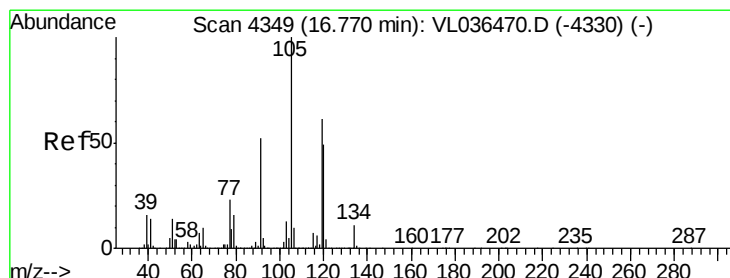
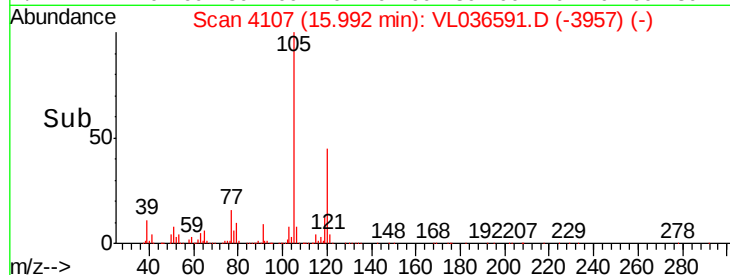
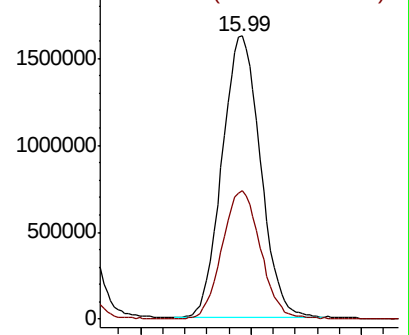
1,3,5-Trimethylbenzene
Concen: 8.139 ppbv
RT: 15.99 min Scan# 4107
Delta R.T. -0.02 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:105 Resp: 3912993
Ion Ratio Lower Upper
105 100
120 45.4 36.6 54.8



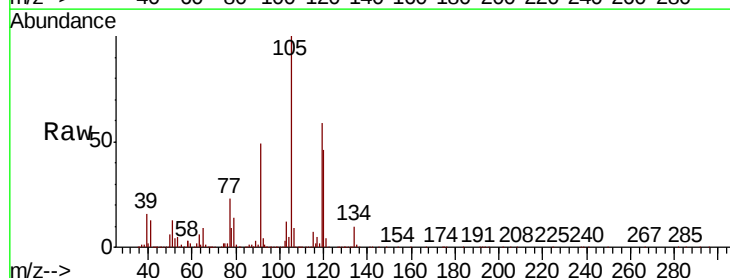
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V



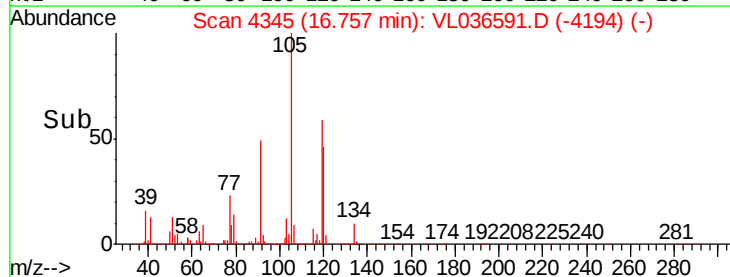
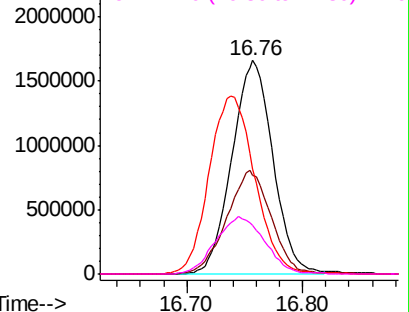
#74

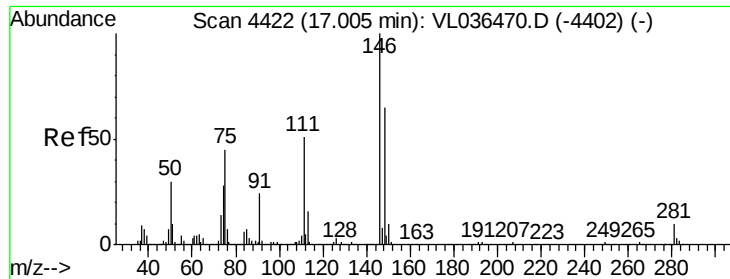
1,2,4-Trimethylbenzene
Concen: 7.911 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion:105 Resp: 4070267
Ion Ratio Lower Upper
105 100
120 46.2 39.2 58.8
91 48.5 42.6 64.0
77 22.6 18.6 28.0



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

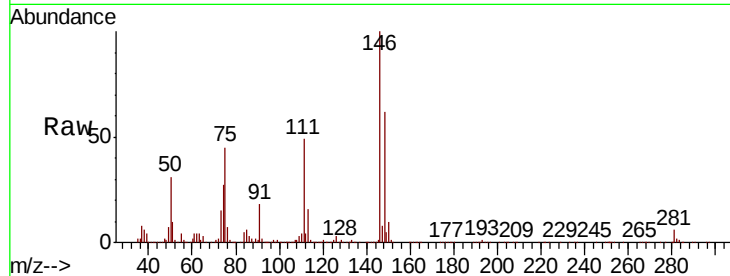




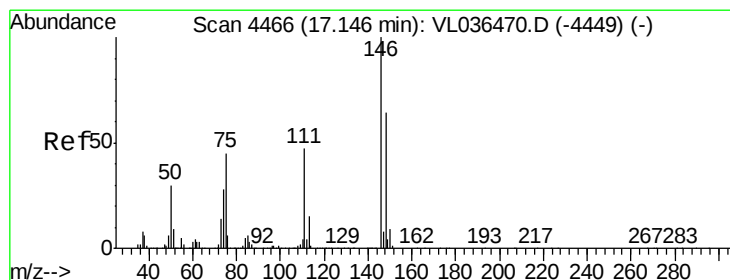
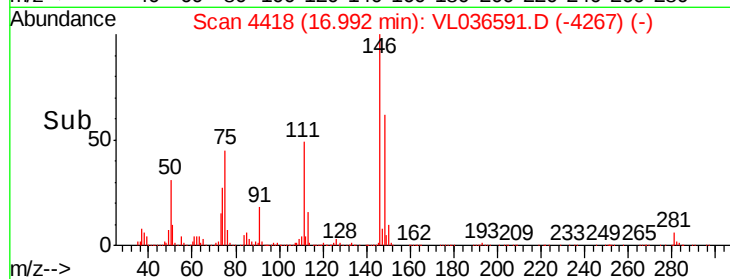
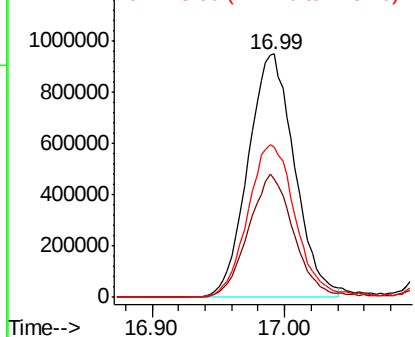
#75
 1,3-Dichlorobenzene
 Concen: 8.029 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:146 Resp: 2325007
 Ion Ratio Lower Upper
 146 100
 111 49.5 24.5 73.5
 148 64.6 32.3 96.9

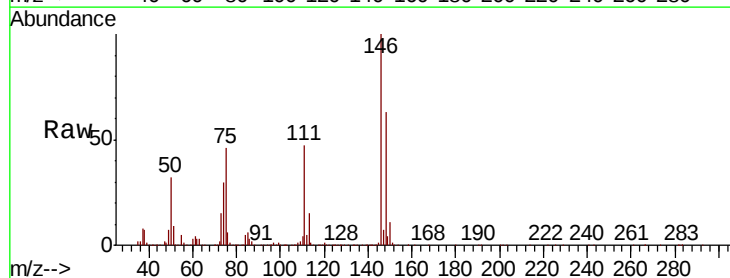


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

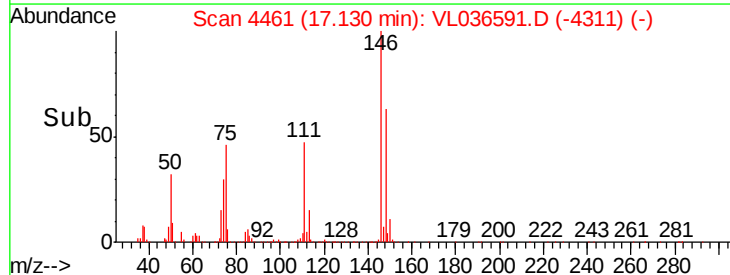
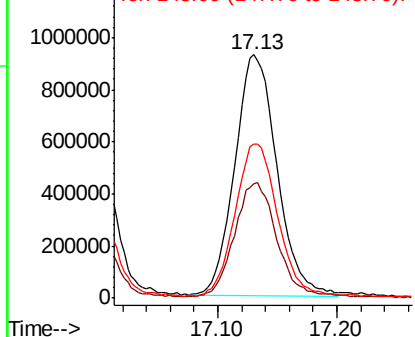


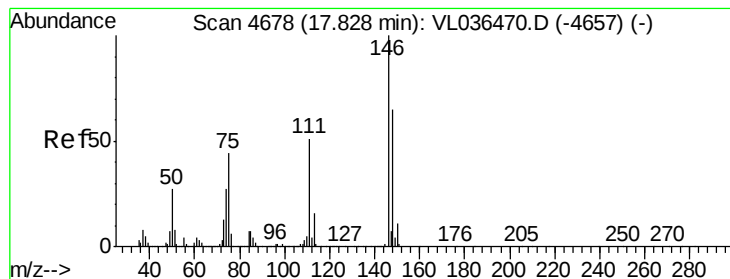
#76
 1,4-Dichlorobenzene
 Concen: 7.901 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. -0.02 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Tgt Ion:146 Resp: 2271816
 Ion Ratio Lower Upper
 146 100
 111 48.4 24.3 72.8
 148 66.5 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





#77

1,2-Dichlorobenzene

Concen: 8.283 ppbv

RT: 17.81 min Scan# 4672

Delta R.T. -0.02 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

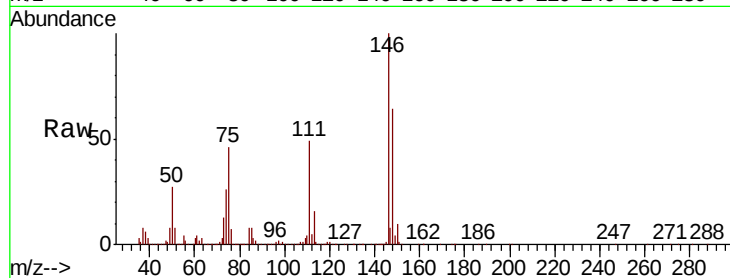
Tot Ion:146 Resp: 2254794

Ion Ratio Lower Upper

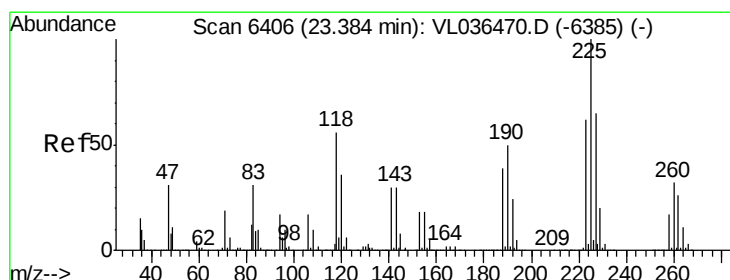
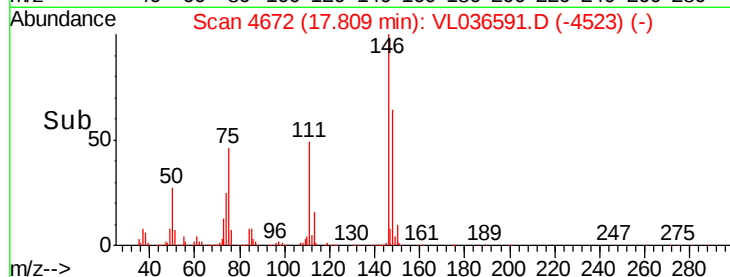
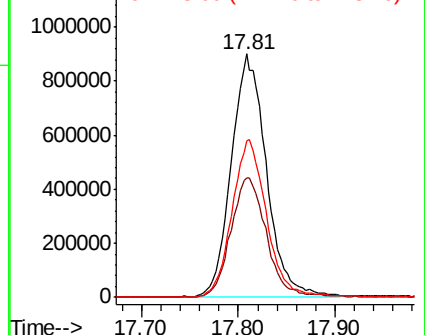
146 100

111 50.2 25.5 76.5

148 63.9 32.9 98.6



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: 7.086 ppbv

RT: 23.37 min Scan# 6401

Delta R.T. -0.02 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

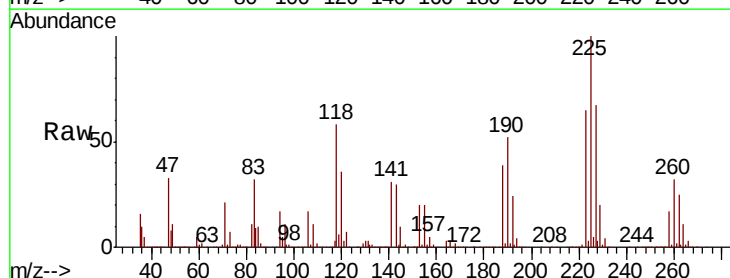
Tgt Ion:225 Resp: 1727475

Ion Ratio Lower Upper

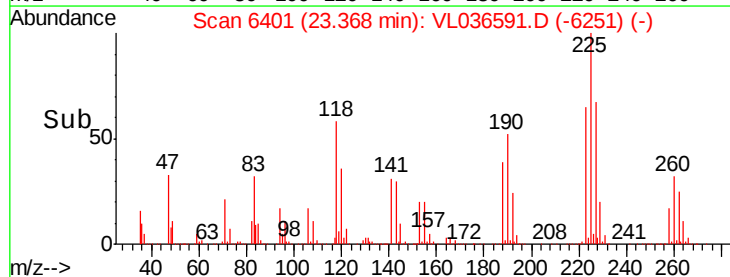
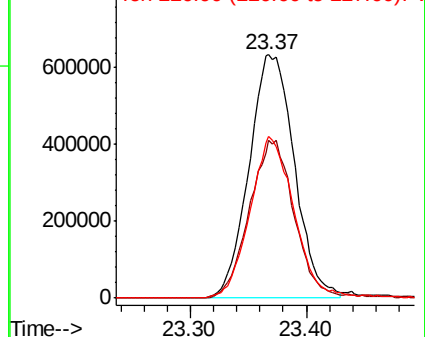
225 100

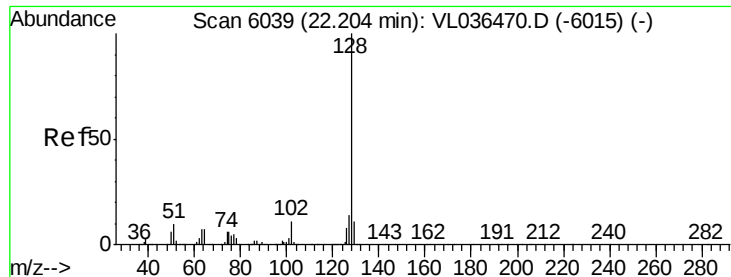
223 64.7 50.6 75.8

227 65.1 52.2 78.2



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: 8.615 ppbv

RT: 22.19 min Scan# 6035

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampled :

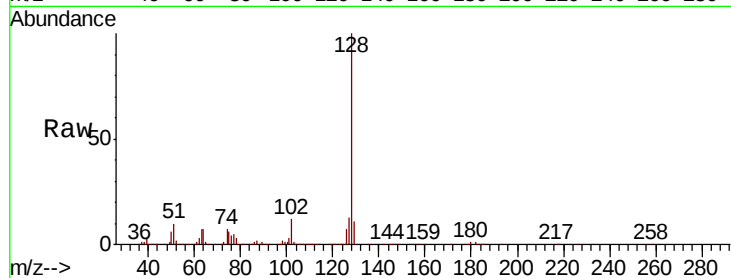
Tot Ion:128 Resp: 2586453

Ion Ratio Lower Upper

128 100

127 12.5 10.9 16.3

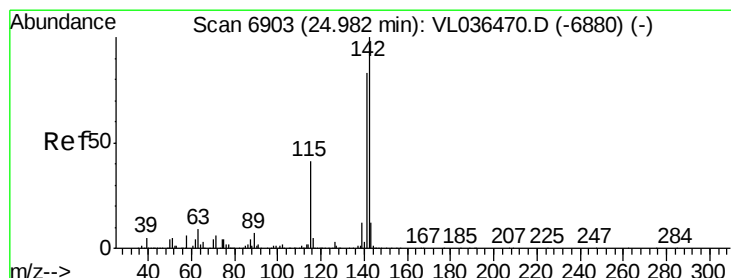
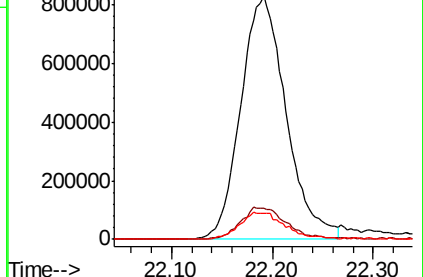
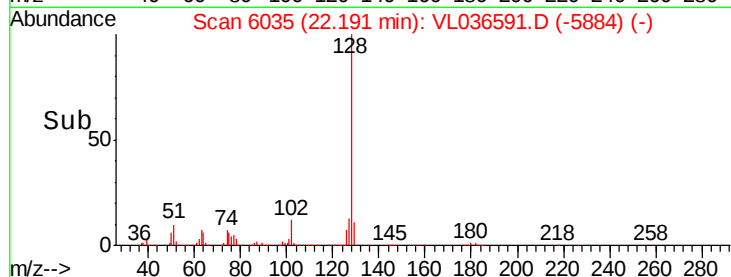
129 10.7 9.0 13.4



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: 5.466 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

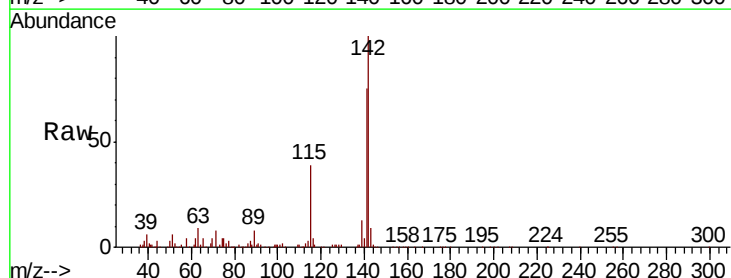
Tgt Ion:142 Resp: 323623

Ion Ratio Lower Upper

142 100

141 81.2 67.8 101.8

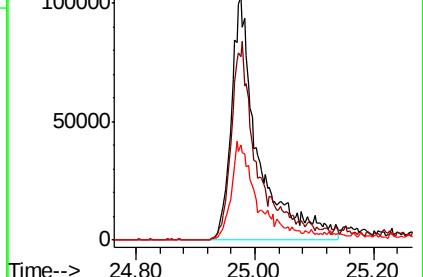
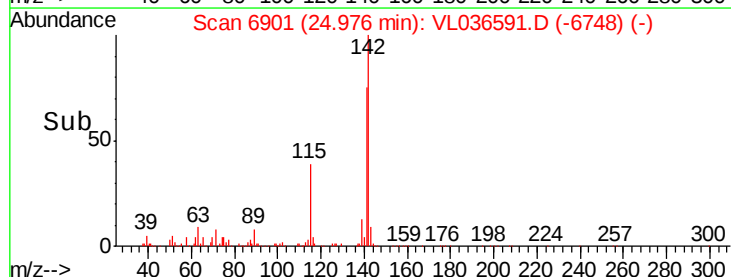
115 40.1 34.0 51.0

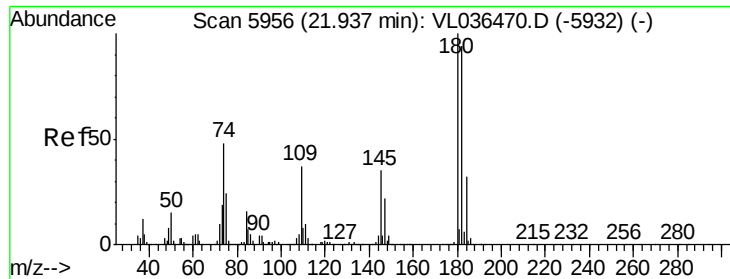


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.628 ppbv

RT: 21.92 min Scan# 5950

Delta R.T. -0.02 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

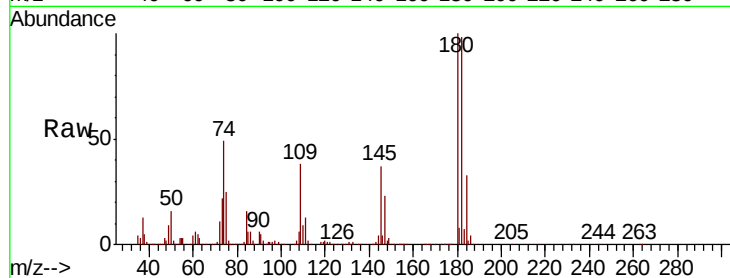
Tot Ion:180 Resp: 1599227

Ion Ratio Lower Upper

180 100

182 99.0 80.8 121.2

184 32.7 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

