

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036921.D
 Acq On : 7 May 2021 16:10
 Operator : SY/AP
 Sample : VL0507ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Quant Time: May 08 04:17:20 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1375559	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3497447	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	4044816	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2663012	8.20	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2061261	9.515 ppbv	99
3) Chlorodifluoromethane	2.99	51	2617911	10.448 ppbv	100
4) Chloromethane	3.15	50	852073	10.347 ppbv	96
5) Vinyl Chloride	3.26	62	836274	10.067 ppbv	97
6) Bromomethane	3.48	94	445782	9.980 ppbv	98
7) Chloroethane	3.56	64	290565	10.644 ppbv	100
8) Dichlorotetrafluoroethane	3.20	85	1986415	10.053 ppbv	99
9) Propene	3.02	41	776359	10.168 ppbv	97
10) Heptane	8.13	43	2017149	10.505 ppbv	97
11) Trichlorofluoromethane	3.96	101	1931981	9.991 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1293999	9.998 ppbv	99
13) Ethanol	3.63	45	70559	7.247 ppbv	89
14) Bromoethene	3.75	108	567589	10.734 ppbv	99
15) Acetone	3.86	43	1314875	10.142 ppbv	98
16) 1,3-Butadiene	3.33	39	905551	10.923 ppbv	94
17) tert-Butyl alcohol	4.30	59	1068690	10.155 ppbv	98
18) 1,1-Dichloroethene	4.29	96	557591	9.913 ppbv	98
19) Isopropyl Alcohol	3.98	45	618923	9.635 ppbv	# 97
20) Methylene Chloride	4.35	84	532046	8.581 ppbv	96
21) Allyl Chloride	4.42	41	965454	10.021 ppbv	94
22) trans-1,2-Dichloroethene	4.90	96	545841	9.670 ppbv	96
23) Vinyl Acetate	5.09	43	2308336	13.089 ppbv	# 97
24) 1,1-Dichloroethane	5.02	63	1545686	12.346 ppbv	98
25) Ethyl Acetate	5.69	43	3071652	9.699 ppbv	99
26) Hexane	5.70	57	1506399	10.167 ppbv	92
27) Carbon Disulfide	4.56	76	1413936	10.986 ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1572833	11.976 ppbv	99
29) Chloroform	5.76	83	2381609	10.310 ppbv	96
30) Cyclohexane	7.14	84	1259845	10.722 ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	1418257	10.664 ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2370753	10.093 ppbv	99
34) 2-Butanone	5.26	43	1463731	9.554 ppbv	98
35) Carbon Tetrachloride	7.03	117	2490106	10.493 ppbv	94
36) Benzene	6.90	78	3120058	10.588 ppbv	98
37) 1,2-Dichloroethane	6.32	62	1765746	10.582 ppbv	99
38) Trichloroethene	7.84	130	1139904	10.865 ppbv	98
39) 1,2-Dichloropropane	7.63	63	675275	5.720 ppbv	97
40) 1,4-Dioxane	7.85	88	275566	9.666 ppbv	89
41) Tetrahydrofuran	6.06	42	633994	9.460 ppbv	97
42) Bromodichloromethane	7.80	83	2519011	10.865 ppbv	98
43) Methyl Methacrylate	8.02	69	1133235	11.786 ppbv	98

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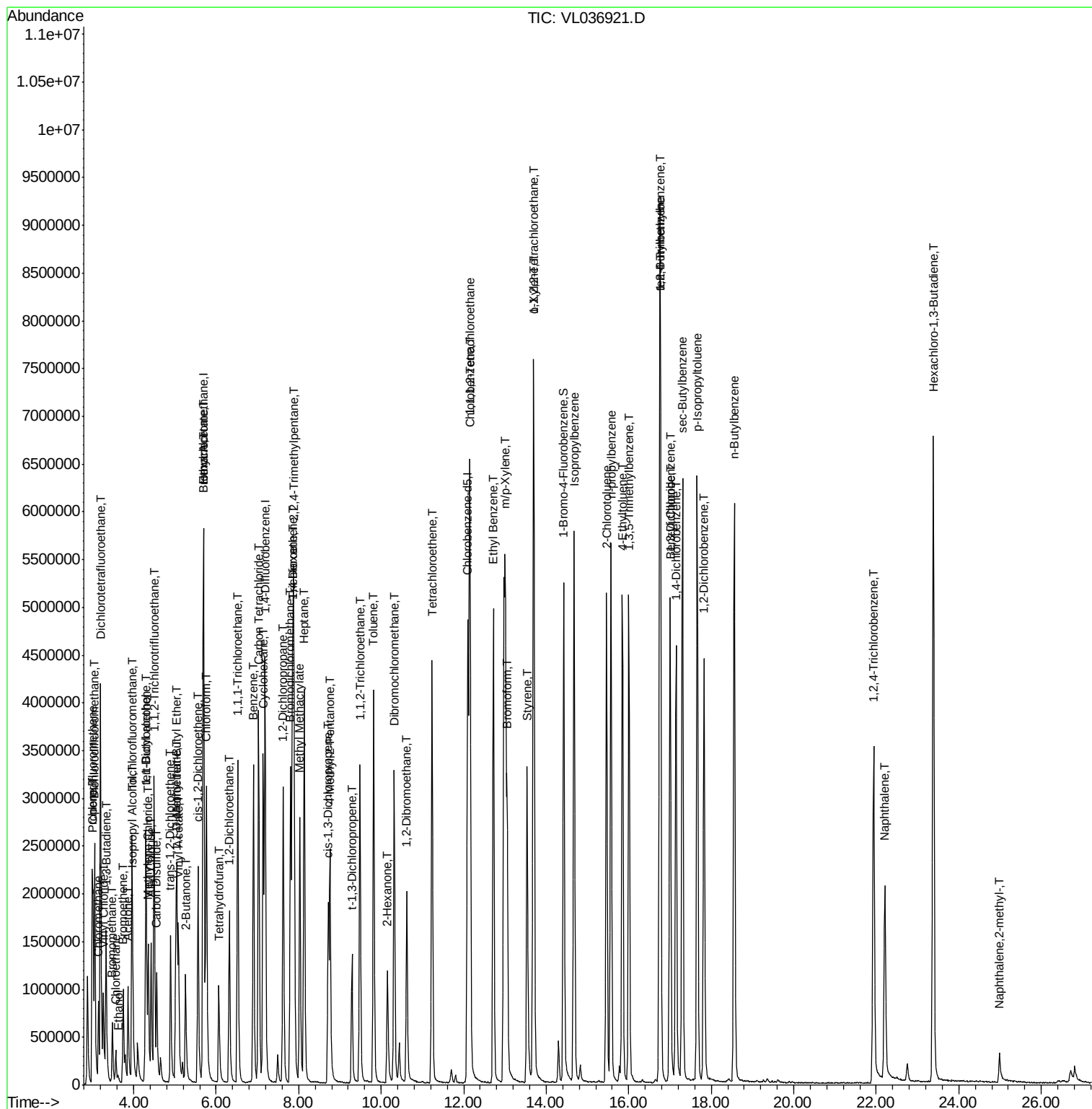
Instrument :
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 ClientSampleId :
 VL0507ABS01

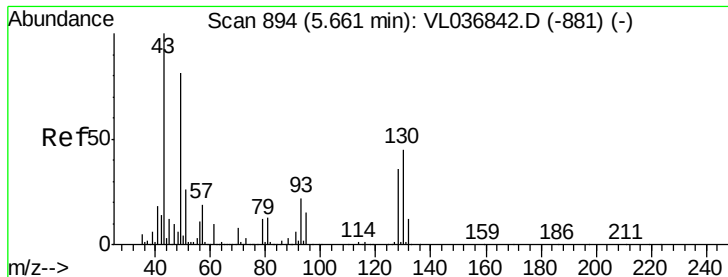
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5230668	10.358	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	831887	8.026	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1147333	8.633	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1264721	10.347	ppbv	98
48) Dibromochloromethane	10.32	129	2110982	11.656	ppbv	98
49) Bromoform	13.05	173	1719669	11.894	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2162257	10.325	ppbv	99
51) 2-Hexanone	10.15	43	1119086	10.714	ppbv #	99
52) Tetrachloroethene	11.23	164	1059450	10.558	ppbv	98
53) Toluene	9.82	91	3481770	11.292	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1783175	10.334	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1439494	8.489	ppbv #	63
57) Chlorobenzene	12.16	112	2582585	8.198	ppbv	98
58) Ethyl Benzene	12.72	91	4618834	9.003	ppbv	99
59) m/p-Xylene	13.01	91	4483206	9.777	ppbv #	49
60) o-Xylene	13.70	91	3754104	8.467	ppbv	100
61) Styrene	13.54	104	2018005	9.692	ppbv	100
62) Isopropylbenzene	14.68	105	5142398	8.525	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2846273	8.009	ppbv	99
64) n-propylbenzene	15.57	120	1355707	9.018	ppbv	98
65) tert-Butylbenzene	16.76	119	4468918	8.379	ppbv	99
66) Benzyl Chloride	16.99	91	324816	6.229	ppbv	98
67) sec-Butylbenzene	17.30	105	6332707	8.551	ppbv	100
69) p-Isopropyltoluene	17.66	119	5165463	8.700	ppbv	99
70) n-Butylbenzene	18.56	91	5385907	9.000	ppbv	100
71) 2-Chlorotoluene	15.46	91	4004334	8.963	ppbv	99
72) 4-Ethyltoluene	15.85	105	4405853	9.258	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	3928413	8.512	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	4099007	8.362	ppbv	93
75) 1,3-Dichlorobenzene	17.00	146	2441327	8.425	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2336452	8.239	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2388553	8.439	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1860327	7.735	ppbv	100
79) Naphthalene	22.21	128	2746279	10.003	ppbv	100
80) Naphthalene, 2-methyl-	24.99	142	258680	8.544	ppbv	92
81) 1,2,4-Trichlorobenzene	21.94	180	894835	5.039	ppbv #	20

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.02 min

Lab File: VL036921.D

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ClientSampleId :

VL0507ABS01

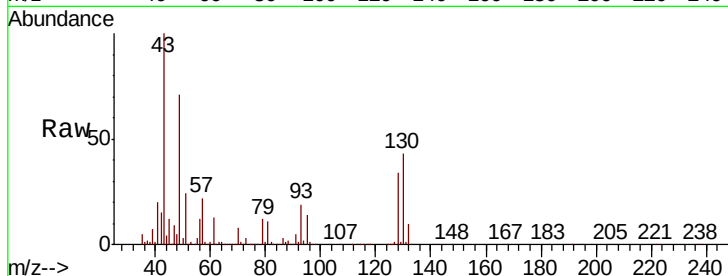
Tot Ion: 49 Resp: 1375559

Ion Ratio Lower Upper

49 100

128 49.8 24.4 73.2

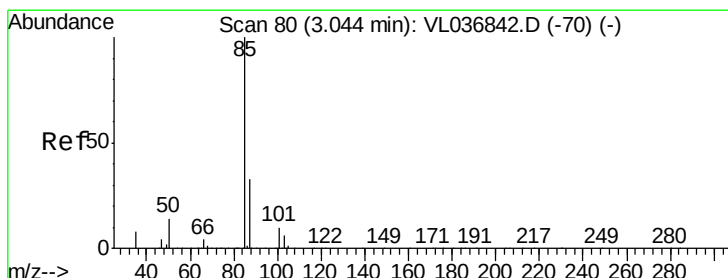
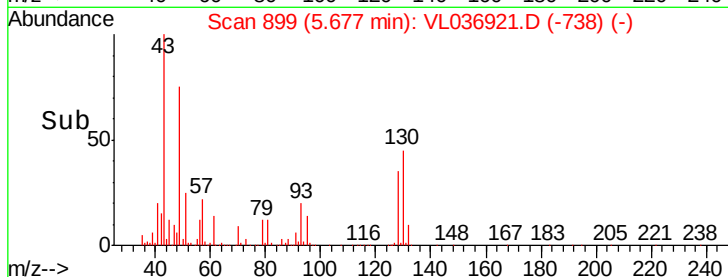
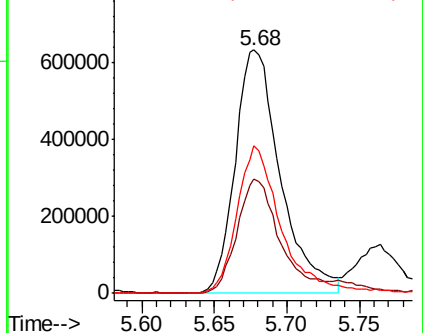
130 60.4 30.3 90.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.515 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL036921.D

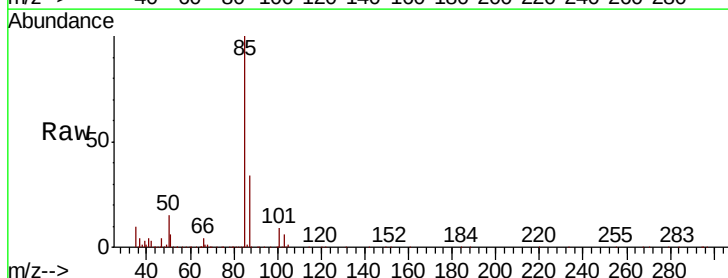
Acq: 7 May 2021 16:10

Tgt Ion: 85 Resp: 2061261

Ion Ratio Lower Upper

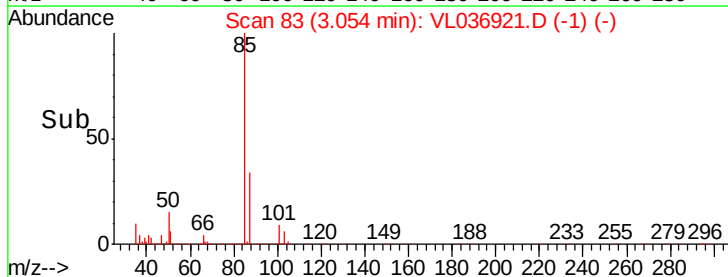
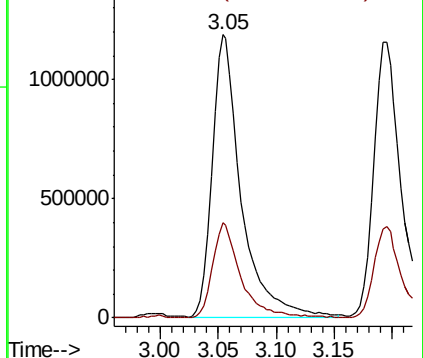
85 100

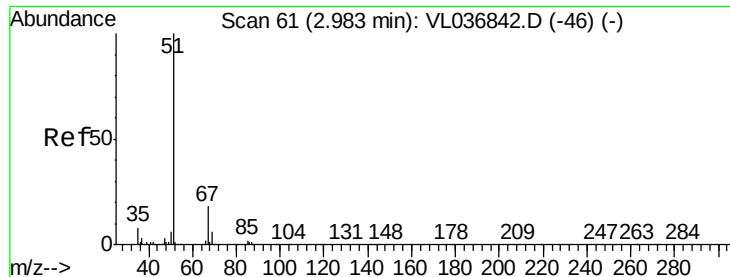
87 33.5 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.448 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

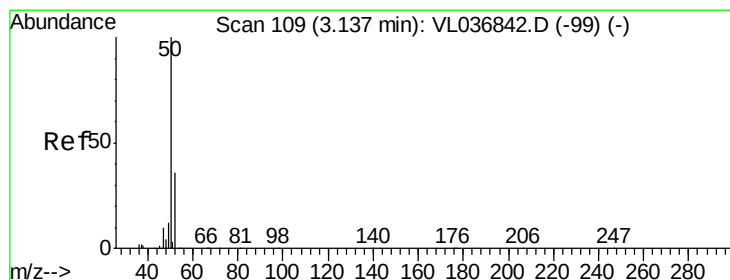
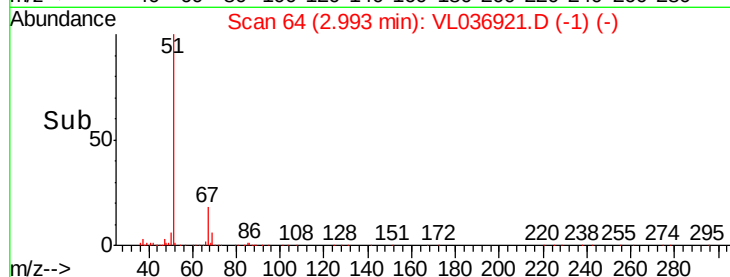
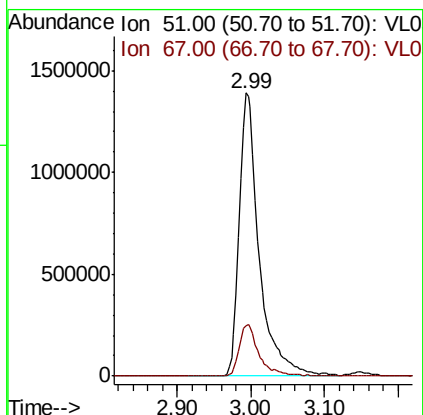
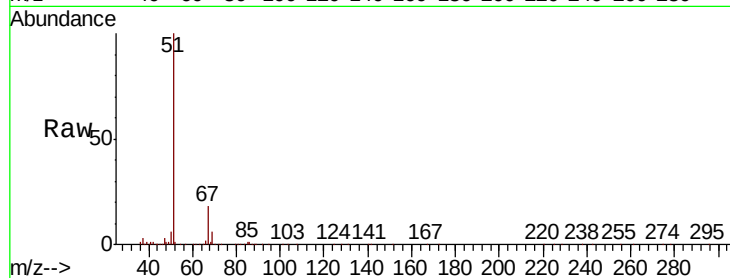
VL0507ABS01

Tot Ion: 51 Resp: 2617911

Ion Ratio Lower Upper

51 100

67 18.3 14.8 22.2



#4

Chloromethane

Concen: 10.347 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL036921.D

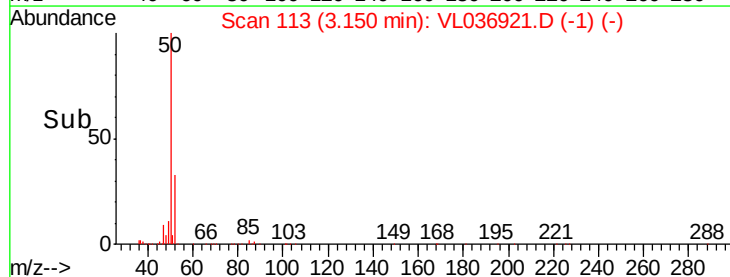
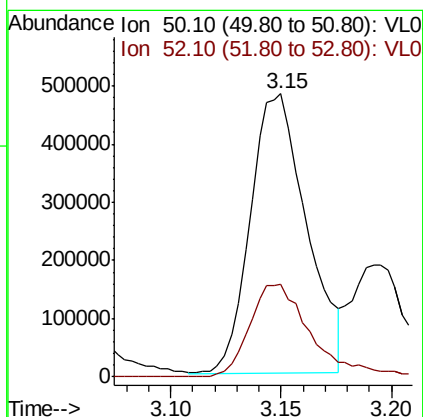
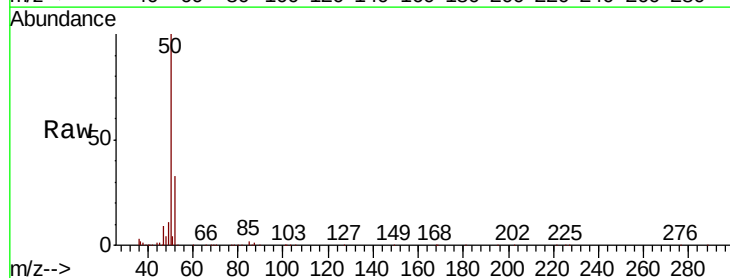
Acq: 7 May 2021 16:10

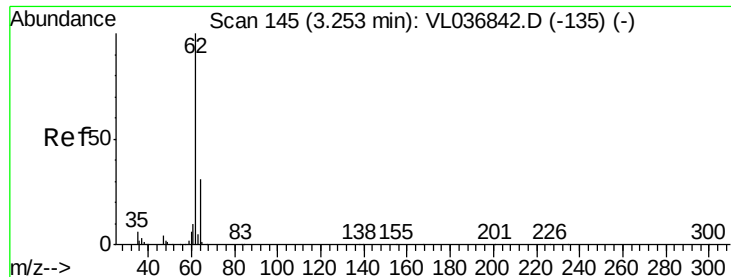
Tgt Ion: 50 Resp: 852073

Ion Ratio Lower Upper

50 100

52 33.4 28.5 42.7





#5

Vinyl Chloride

Concen: 10.067 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

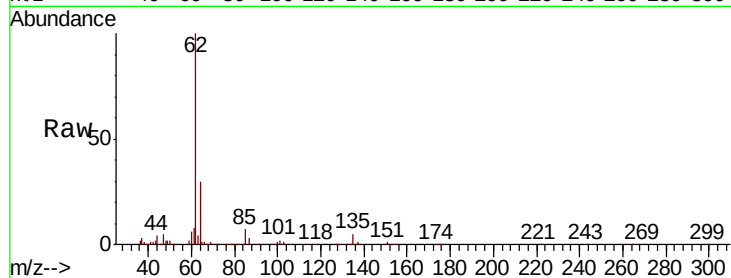
VL0507ABS01

Tot Ion: 62 Resp: 836274

Ion Ratio Lower Upper

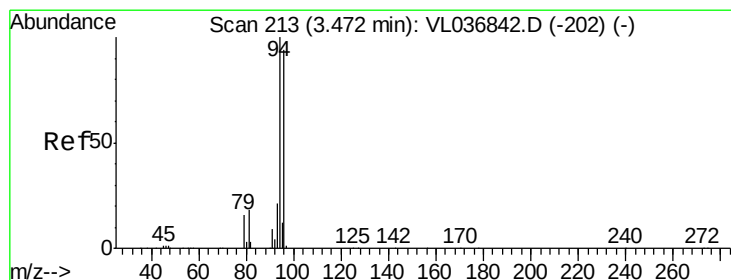
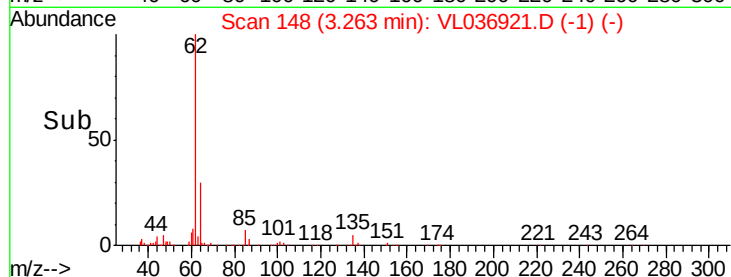
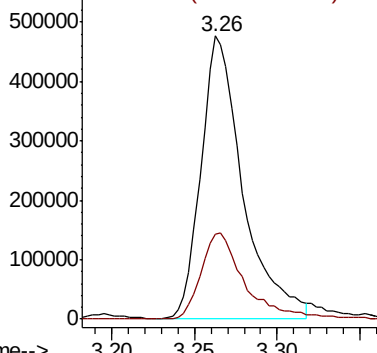
62 100

64 29.8 25.0 37.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.980 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036921.D

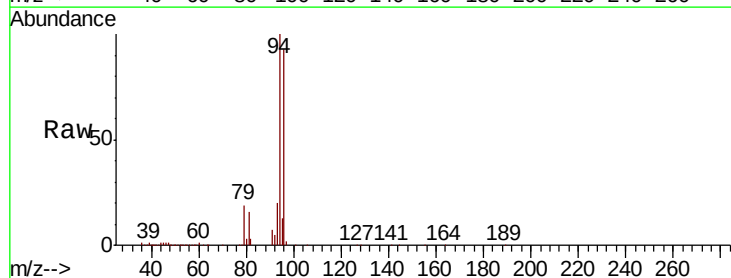
Acq: 7 May 2021 16:10

Tgt Ion: 94 Resp: 445782

Ion Ratio Lower Upper

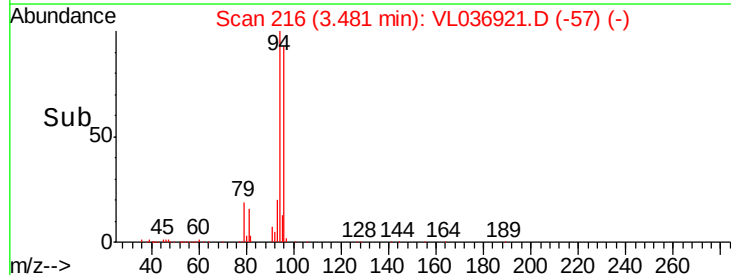
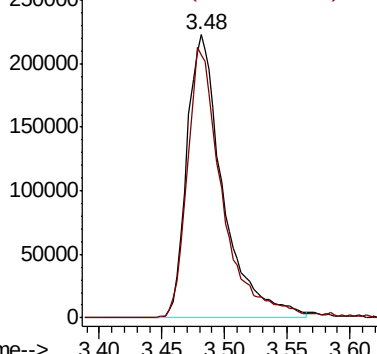
94 100

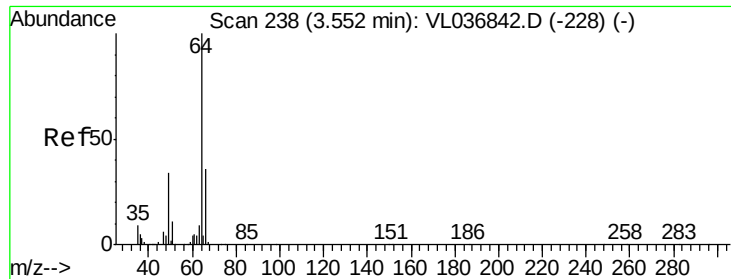
96 92.7 75.4 113.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.644 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

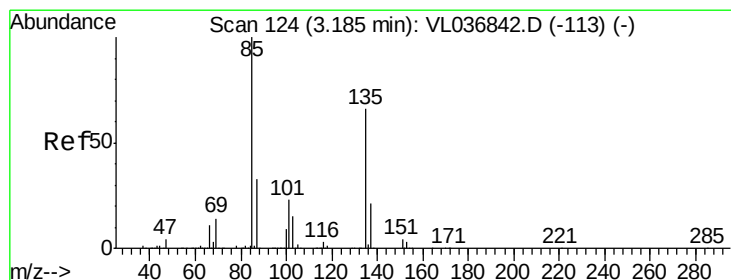
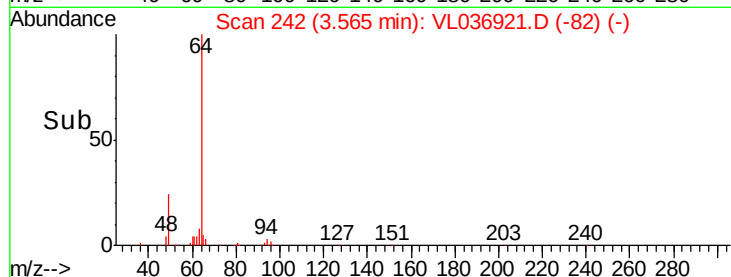
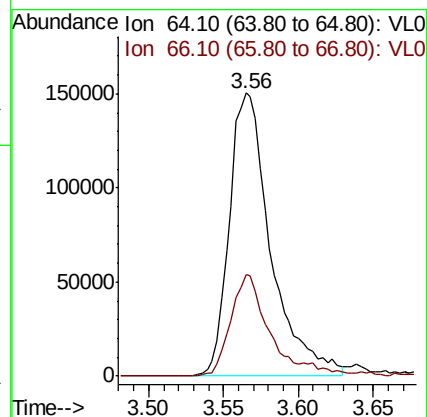
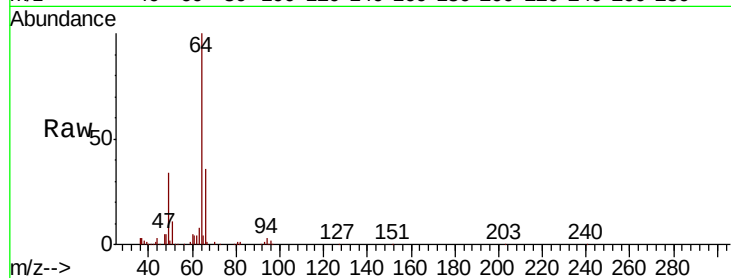
VL0507ABS01

Tot Ion: 64 Resp: 290565

Ion Ratio Lower Upper

64 100

66 36.0 29.0 43.6



#8

Dichlorotetrafluoroethane

Concen: 10.053 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036921.D

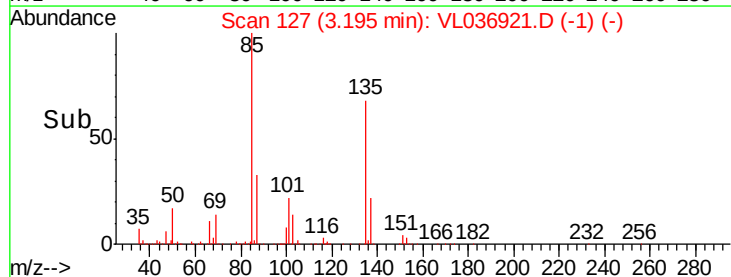
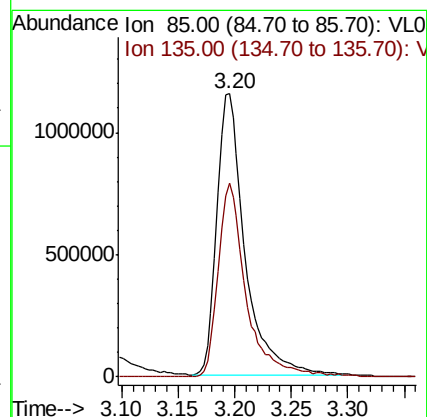
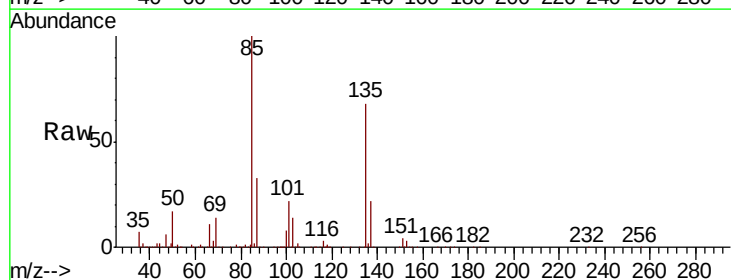
Acq: 7 May 2021 16:10

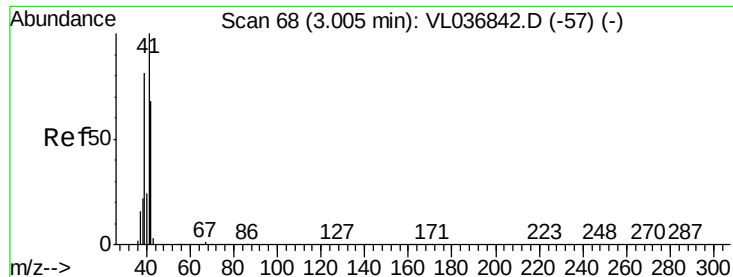
Tgt Ion: 85 Resp: 1986415

Ion Ratio Lower Upper

85 100

135 69.4 56.2 84.4

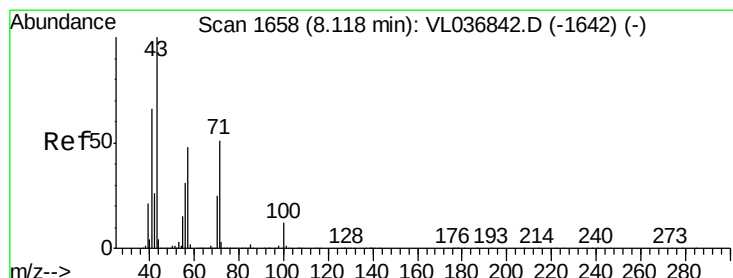
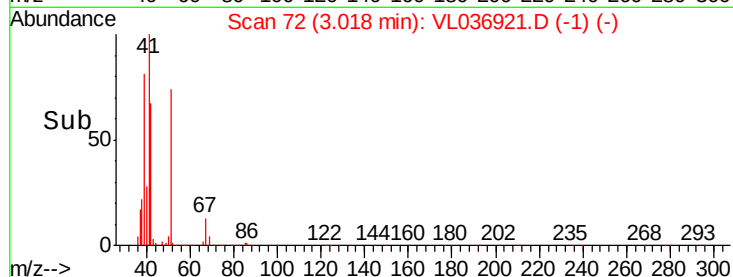
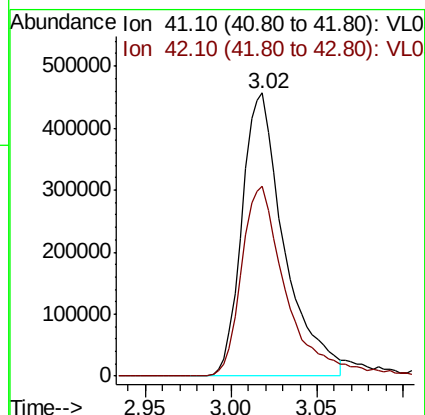
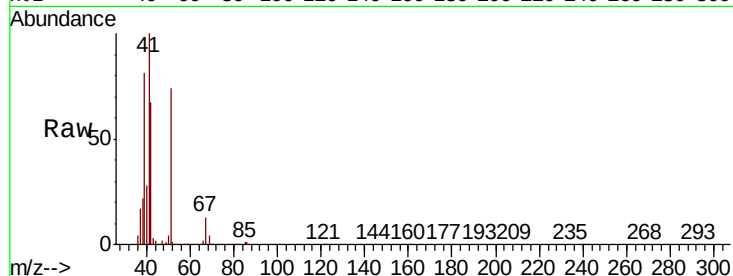




#9
 Propene
 Concen: 10.168 ppbv
 RT: 3.02 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

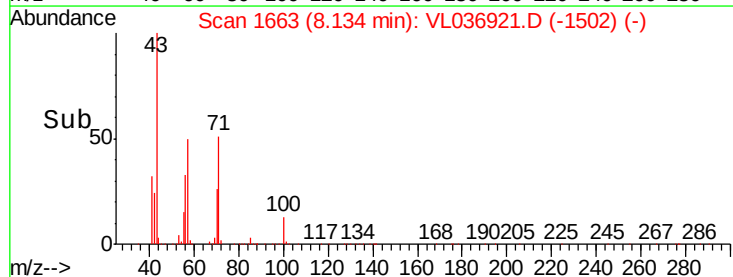
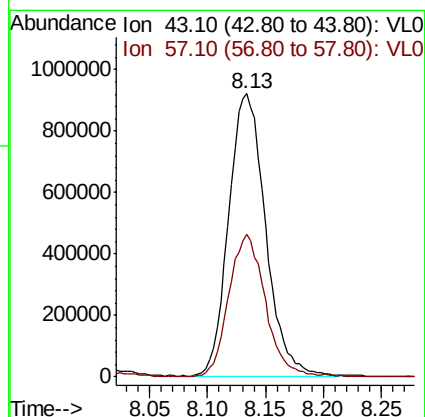
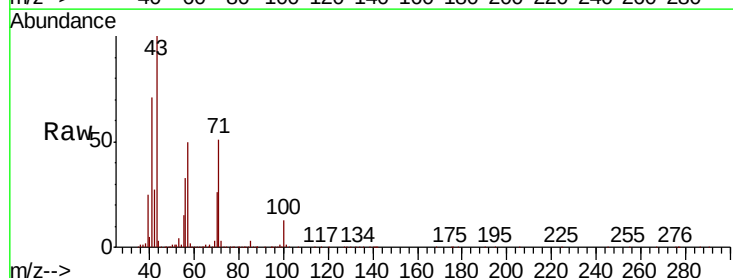
Instrument :
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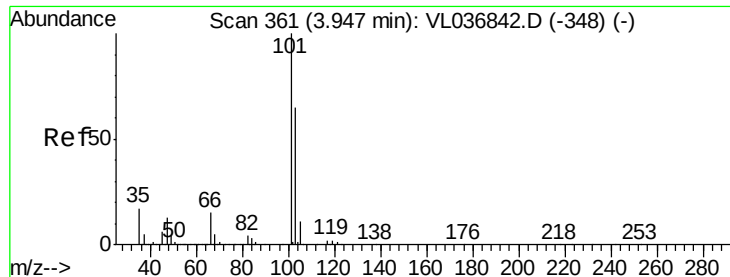
Tot Ion: 41 Resp: 776359
 Ion Ratio Lower Upper
 41 100
 42 72.1 56.0 84.0



#10
 Heptane
 Concen: 10.505 ppbv
 RT: 8.13 min Scan# 1663
 Delta R.T. 0.02 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Tgt Ion: 43 Resp: 2017149
 Ion Ratio Lower Upper
 43 100
 57 50.7 38.8 58.2





#11

Trichlorofluoromethane

Concen: 9.991 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

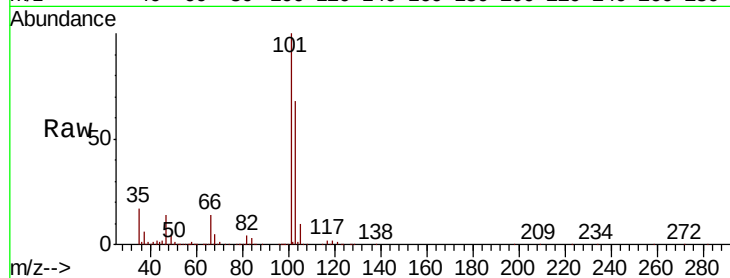
VL0507ABS01

Tot Ion:101 Resp: 1931981

Ion Ratio Lower Upper

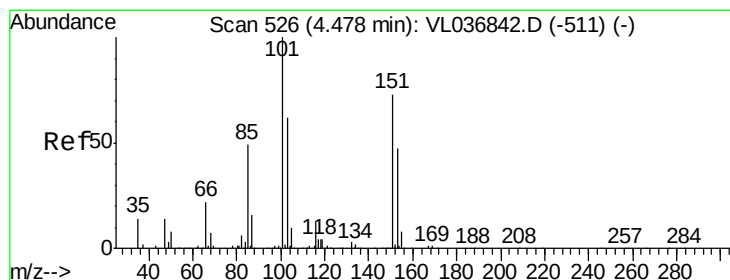
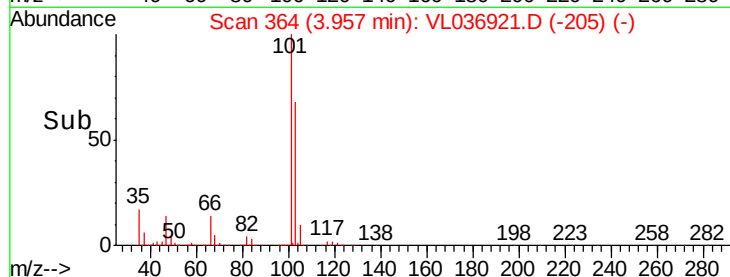
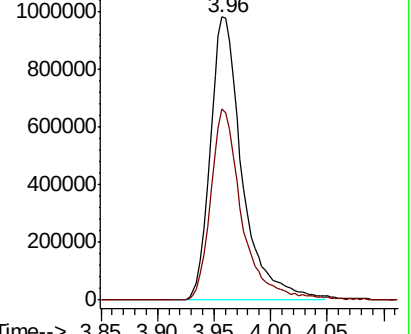
101 100

103 67.7 51.6 77.4



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: 9.998 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.01 min

Lab File: VL036921.D

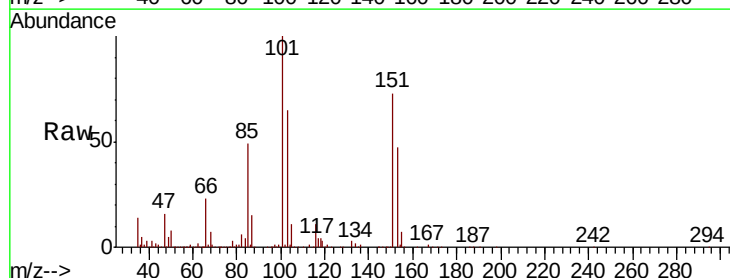
Acq: 7 May 2021 16:10

Tgt Ion:101 Resp: 1293999

Ion Ratio Lower Upper

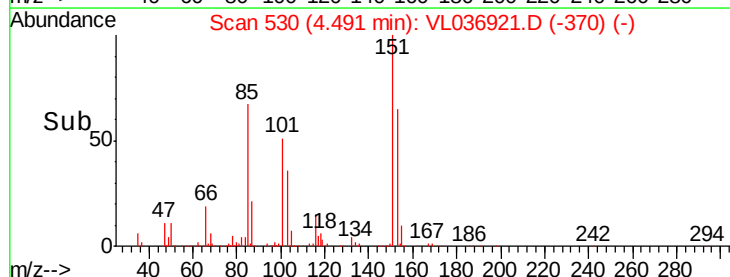
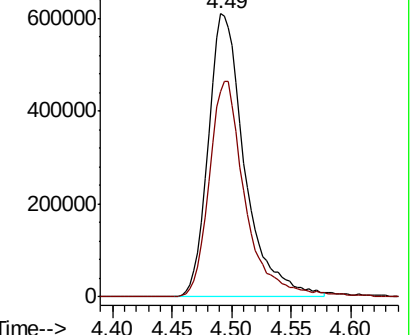
101 100

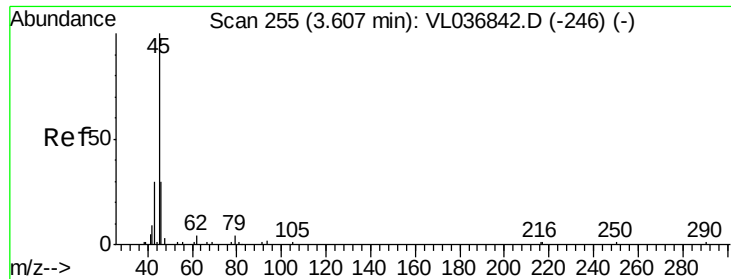
151 75.7 61.1 91.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

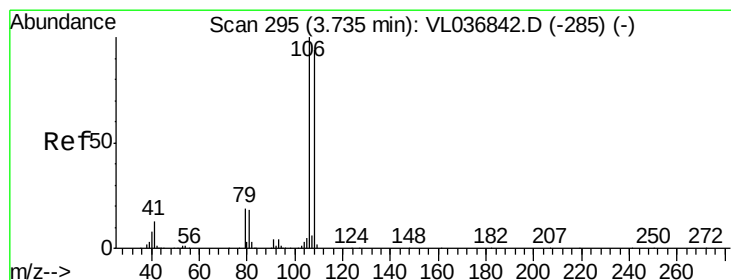
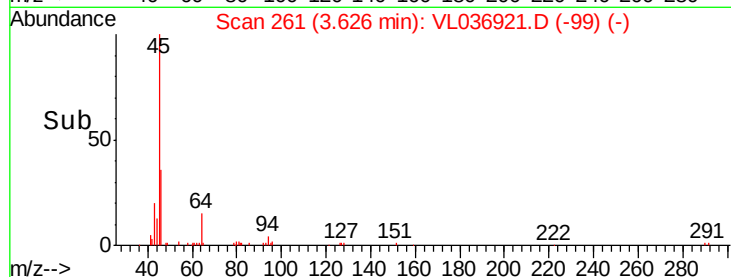
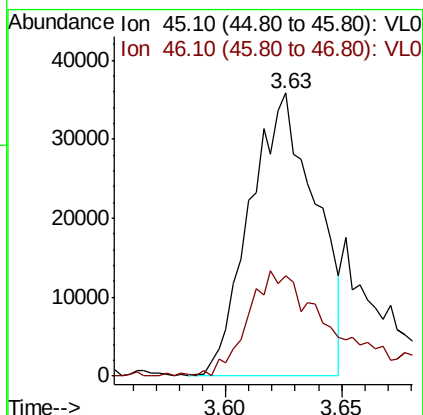
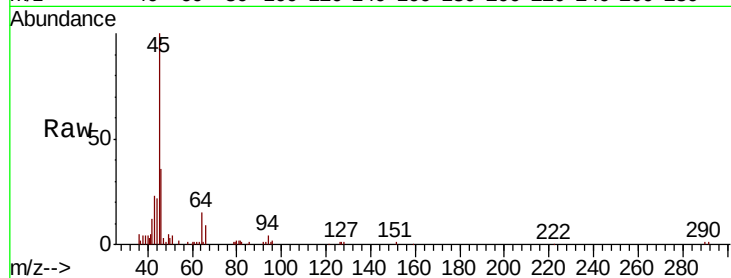




#13
Ethanol
Concen: 7.247 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

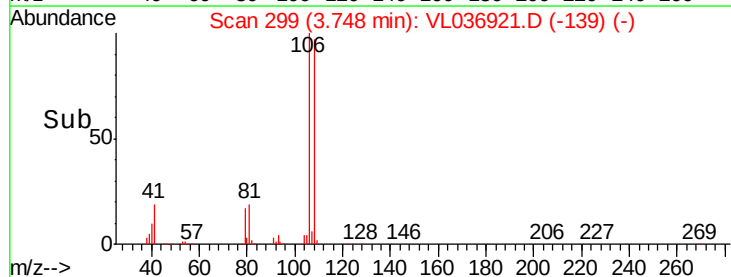
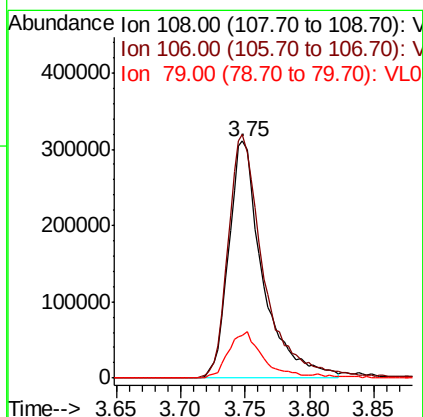
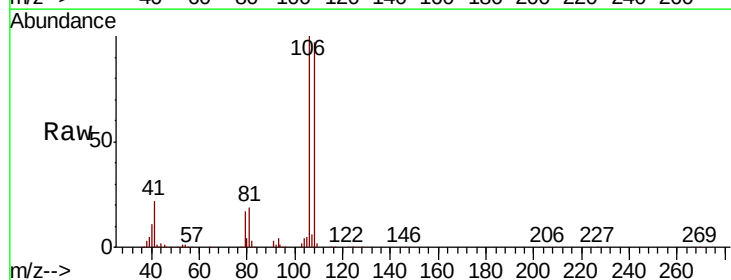
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

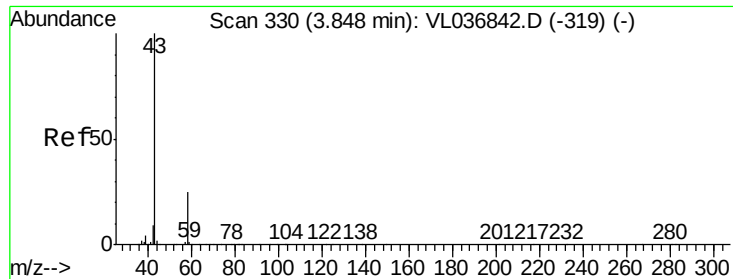
Tot Ion: 45 Resp: 70559
Ion Ratio Lower Upper
45 100
46 49.0 16.8 67.4



#14
Bromoethene
Concen: 10.734 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion: 108 Resp: 567589
Ion Ratio Lower Upper
108 100
106 109.2 88.5 132.7
79 21.2 17.9 26.9

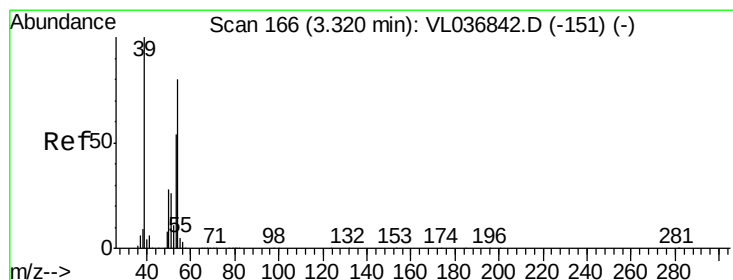
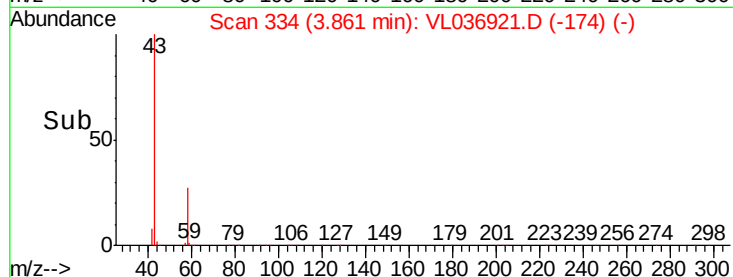
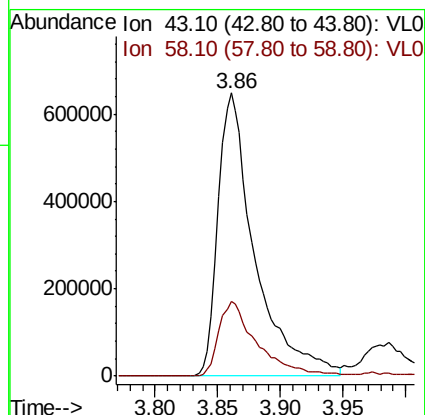
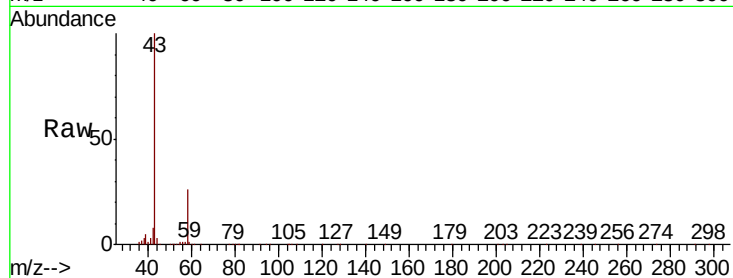




#15
Acetone
Concen: 10.142 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

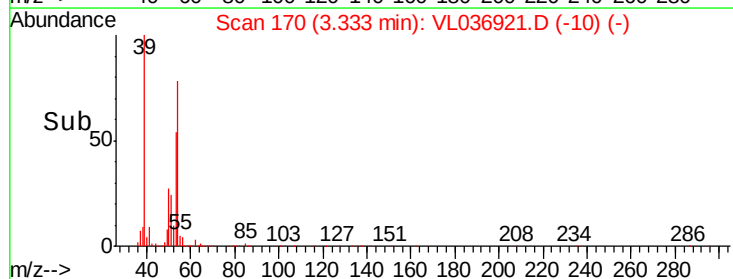
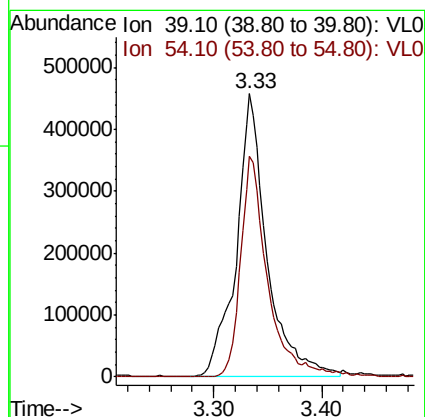
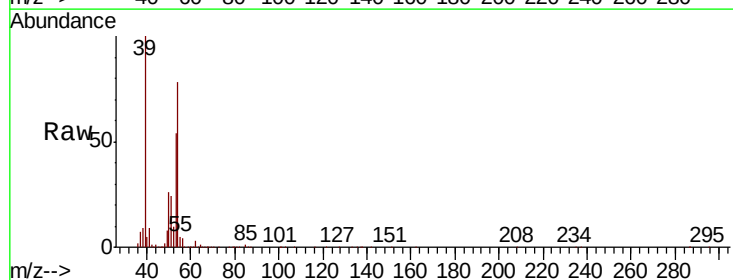
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

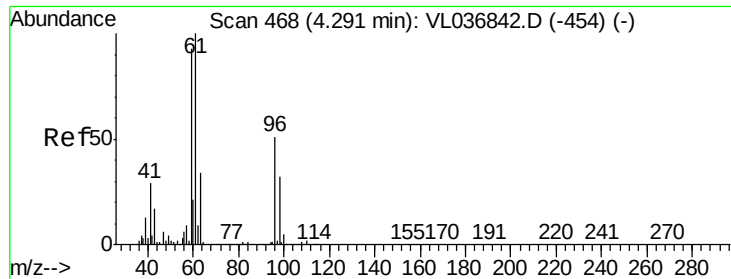
Tot Ion: 43 Resp: 1314875
Ion Ratio Lower Upper
43 100
58 28.0 21.7 32.5



#16
1,3-Butadiene
Concen: 10.923 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion: 39 Resp: 905551
Ion Ratio Lower Upper
39 100
54 69.5 59.6 89.4





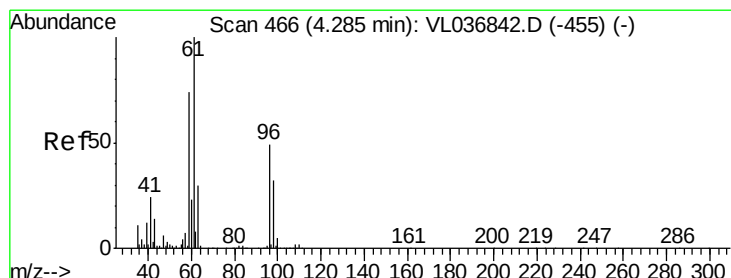
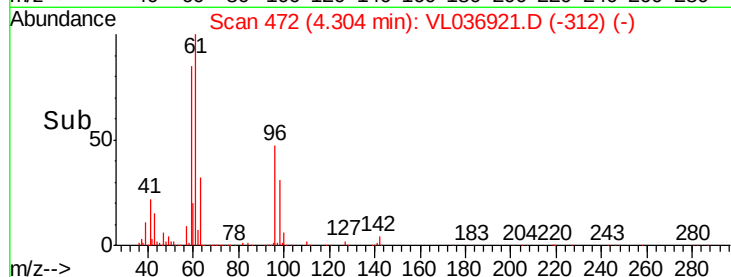
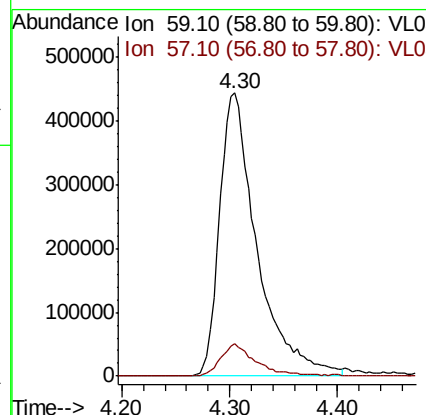
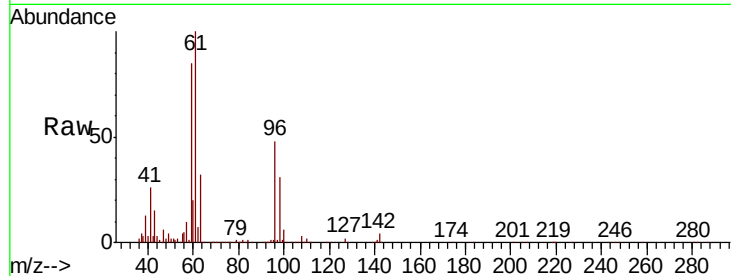
#17

tert-Butyl alcohol
 Concen: 10.155 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.01 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion: 59 Resp: 1068690

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.3	12.5

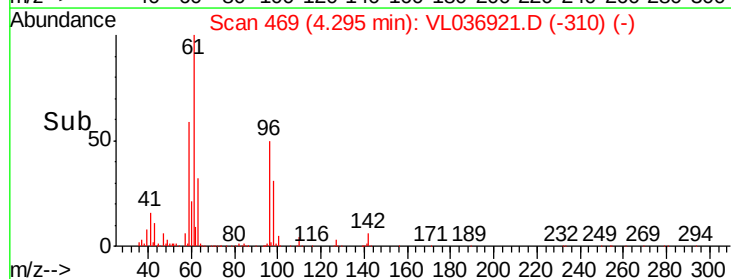
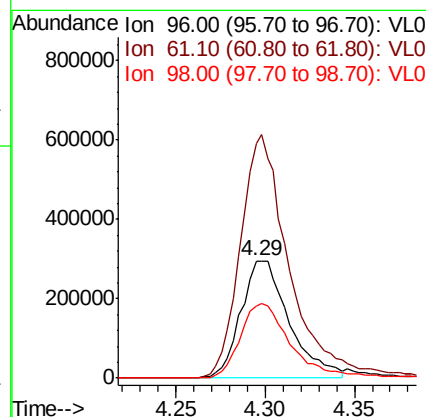
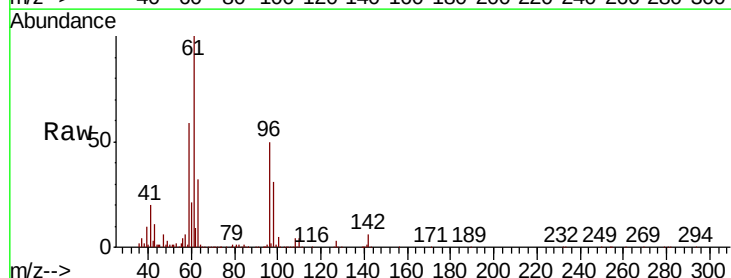


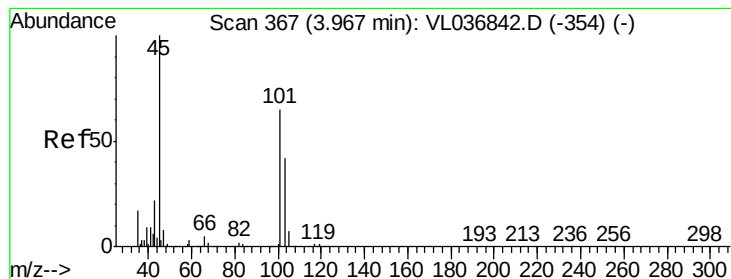
#18

1,1-Dichloroethene
 Concen: 9.913 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Tgt Ion: 96 Resp: 557591

Ion	Ratio	Lower	Upper
96	100		
61	200.4	162.2	243.2
98	61.7	51.8	77.6





#19

Isopropyl Alcohol

Concen: 9.635 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

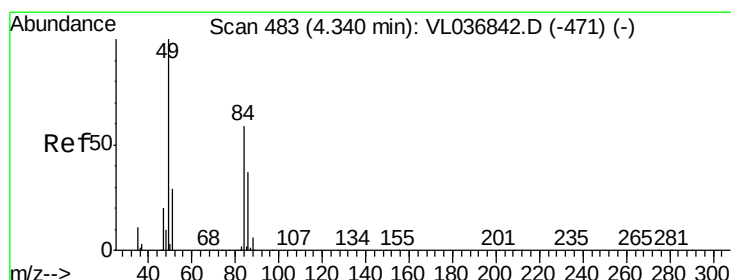
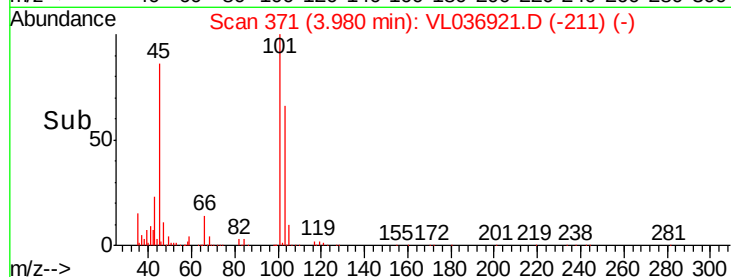
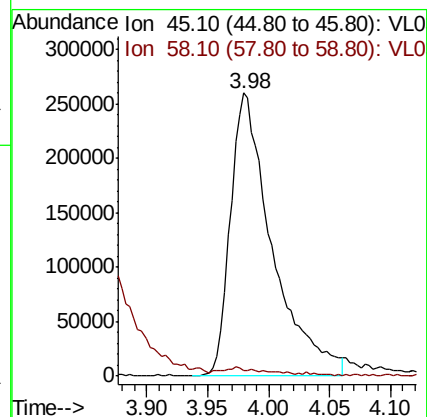
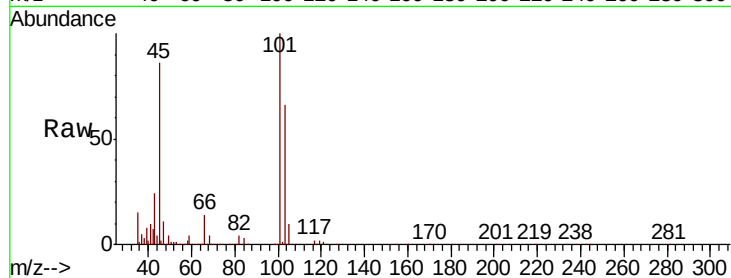
VL0507ABS01

Tot Ion: 45 Resp: 618923

Ion Ratio Lower Upper

45 100

58 2.6 2.8 4.2#



#20

Methylene Chloride

Concen: 8.581 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Tgt Ion: 84 Resp: 532046

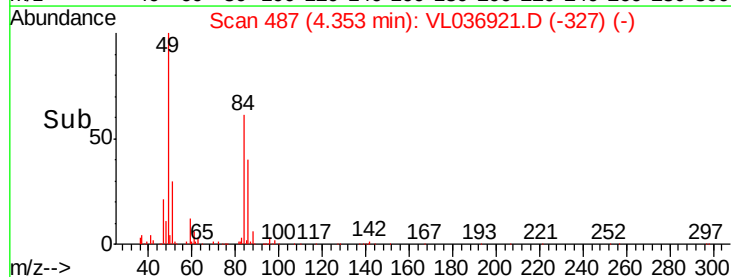
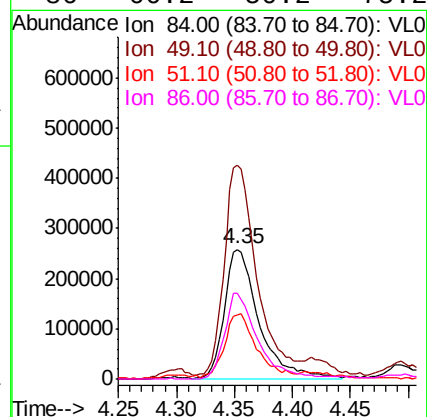
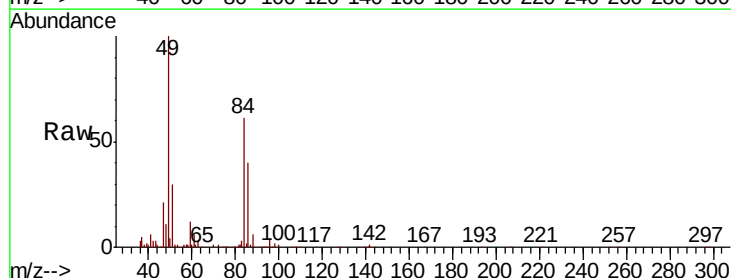
Ion Ratio Lower Upper

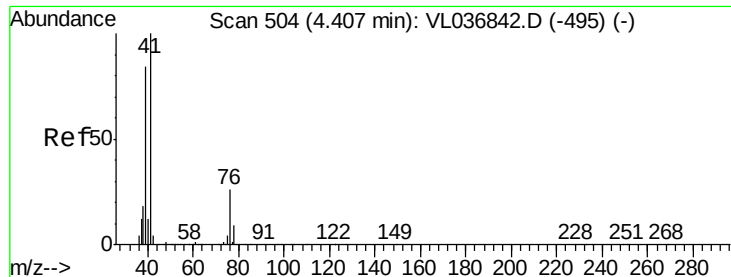
84 100

49 163.0 135.4 203.0

51 47.4 39.3 58.9

86 66.2 50.2 75.2

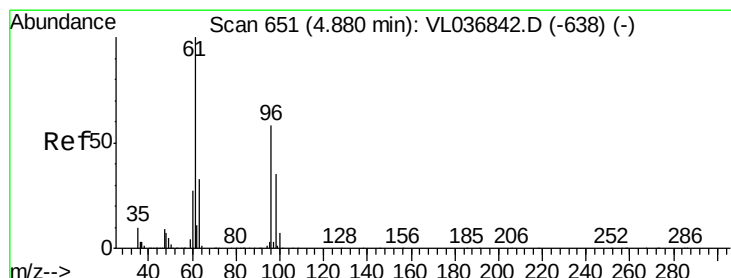
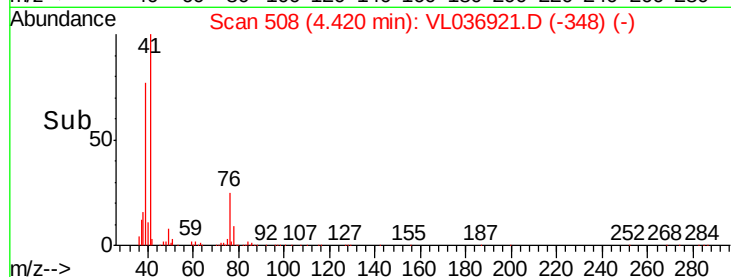
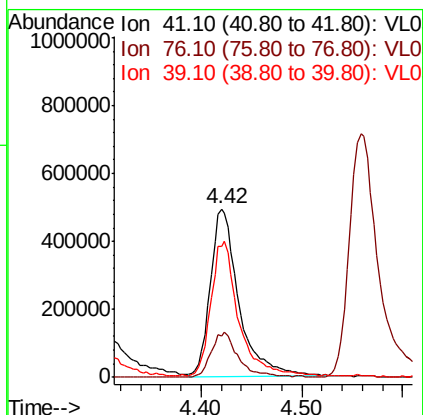
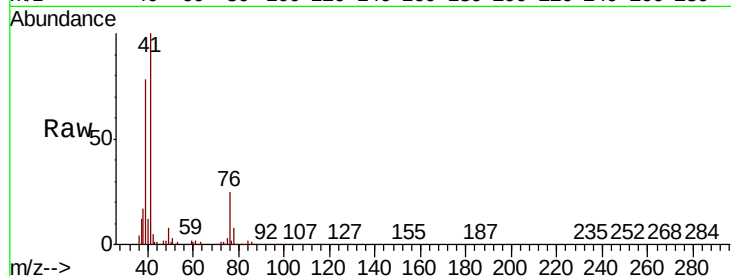




#21
Allvl Chloride
Concen: 10.021 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

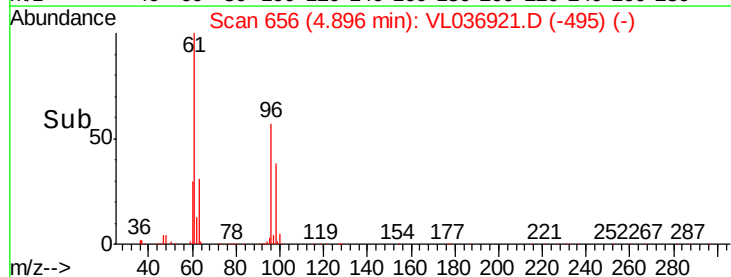
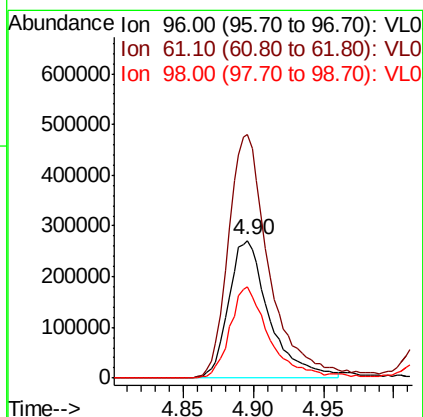
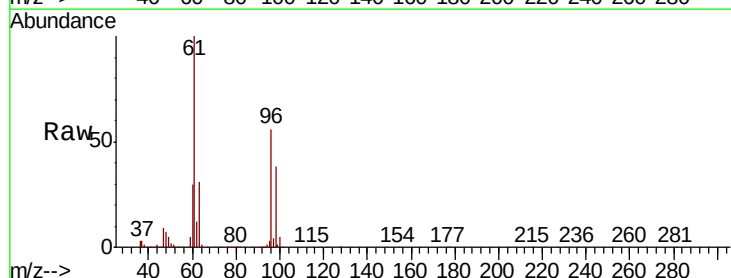
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

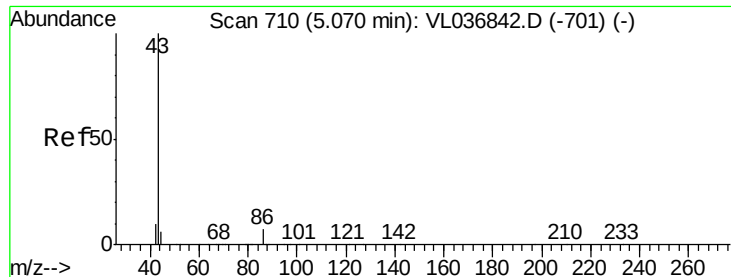
Tot Ion: 41 Resp: 965454
Ion Ratio Lower Upper
41 100
76 26.2 22.4 33.6
39 79.1 68.4 102.6



#22
trans-1,2-Dichloroethene
Concen: 9.670 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion: 96 Resp: 545841
Ion Ratio Lower Upper
96 100
61 177.2 138.6 207.8
98 66.6 48.1 72.1





#23

Vinyl Acetate

Concen: 13.089 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

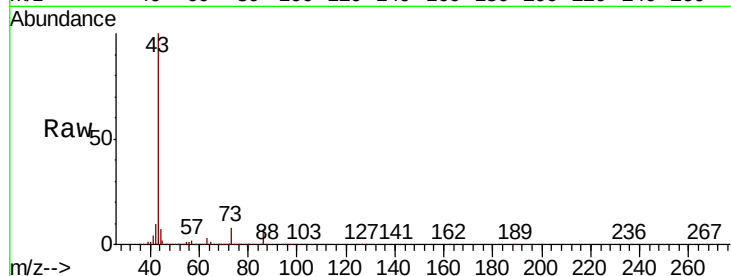
MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 43 Resp: 2308336

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.3	7.9
42	9.9	8.7	13.1
44	5.9	3.9	5.9#

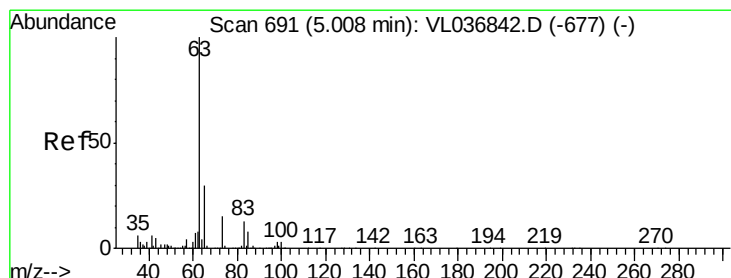
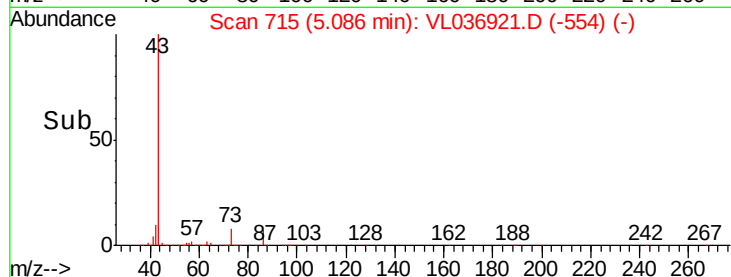
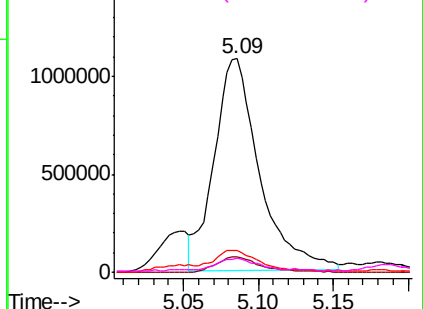


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 12.346 ppbv

RT: 5.02 min Scan# 695

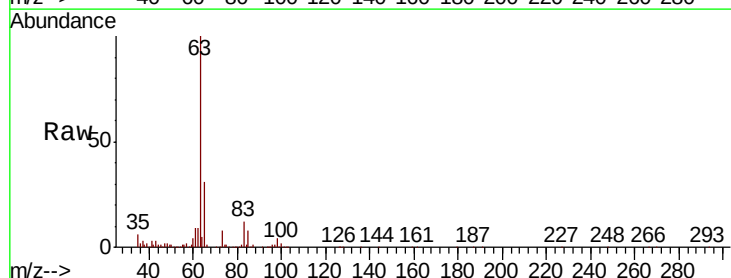
Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Tgt Ion: 63 Resp: 1545686

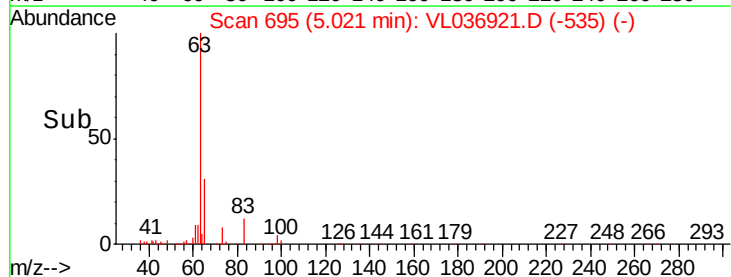
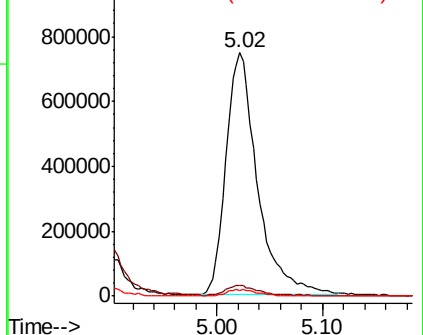
Ion	Ratio	Lower	Upper
63	100		
98	4.3	1.7	5.1
100	2.1	1.3	3.8

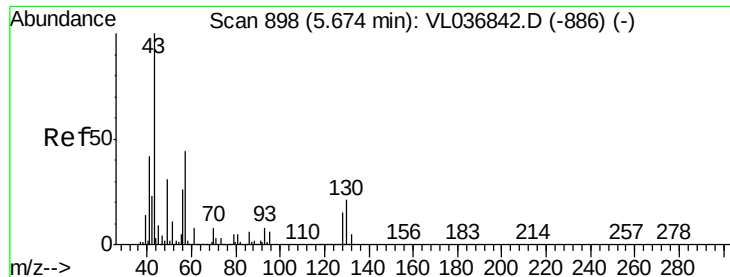


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



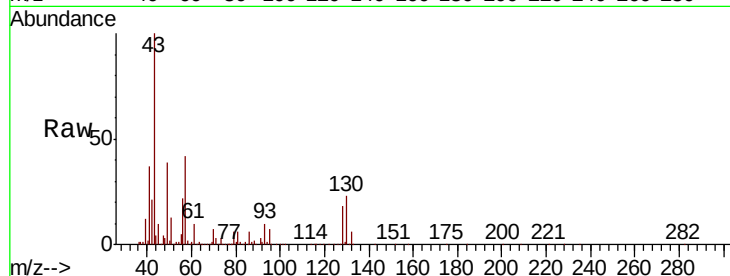


#25
Ethyl Acetate
Concen: 9.699 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

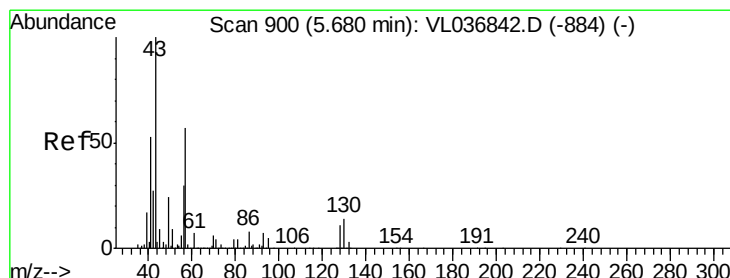
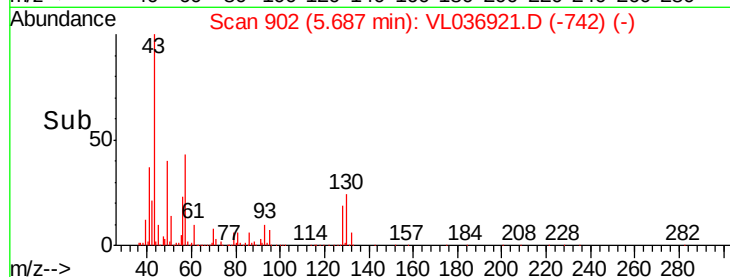
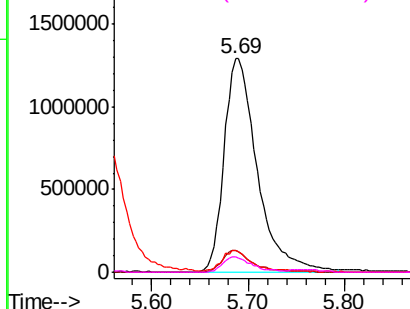
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 43 Resp: 3071652

Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.8	11.8
61	9.3	7.4	11.0
70	6.5	5.4	8.0



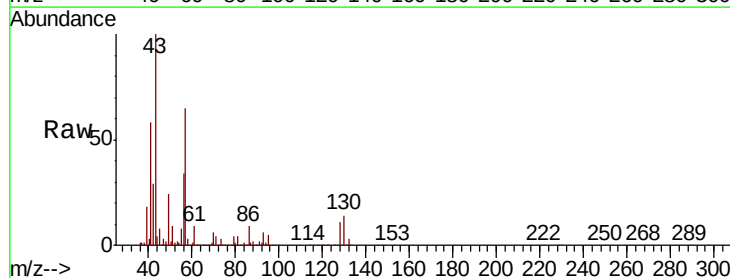
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



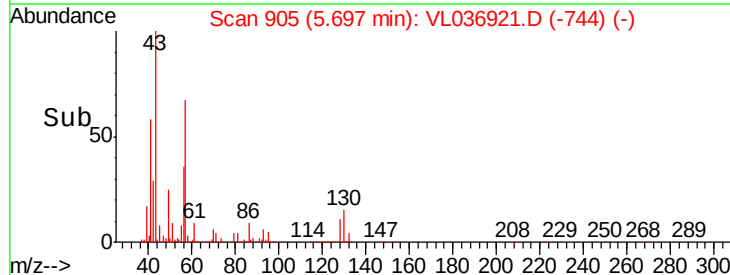
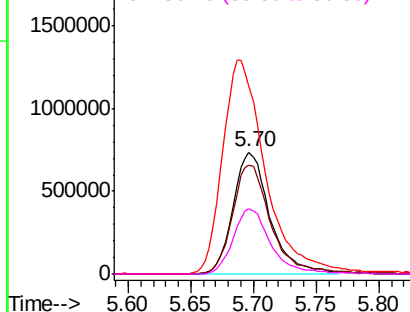
#26
Hexane
Concen: 10.167 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

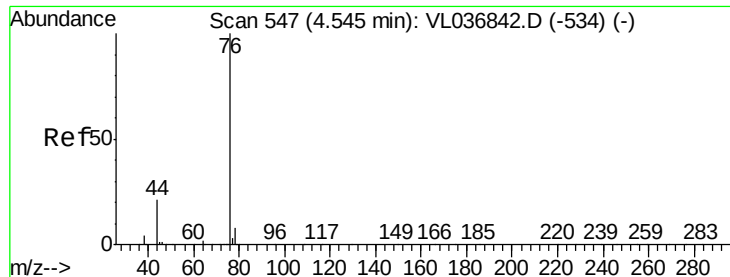
Tgt Ion: 57 Resp: 1506399

Ion	Ratio	Lower	Upper
57	100		
41	94.5	77.7	116.5
43	205.8	180.5	270.7
56	54.6	44.6	66.8



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.986 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

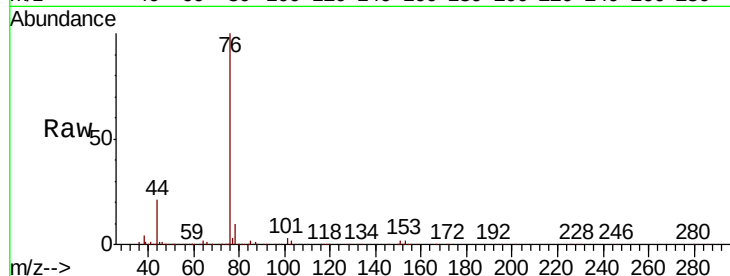
Tot Ion: 76 Resp: 1413936

Ion Ratio Lower Upper

76 100

44 22.5 16.9 25.3

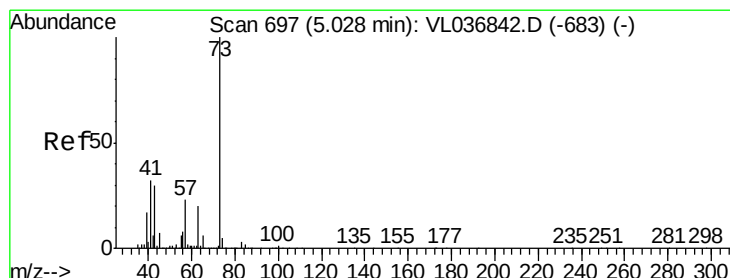
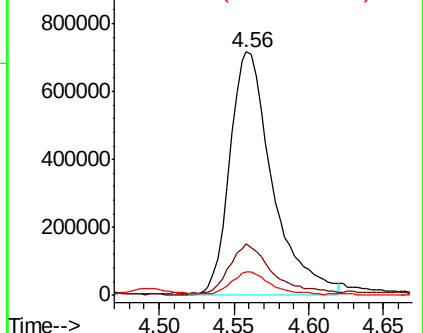
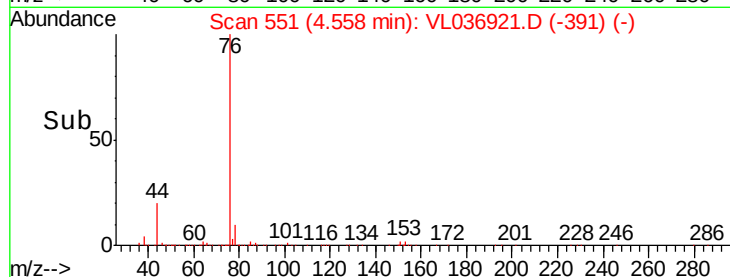
78 9.4 7.9 11.9



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: 11.976 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.02 min

Lab File: VL036921.D

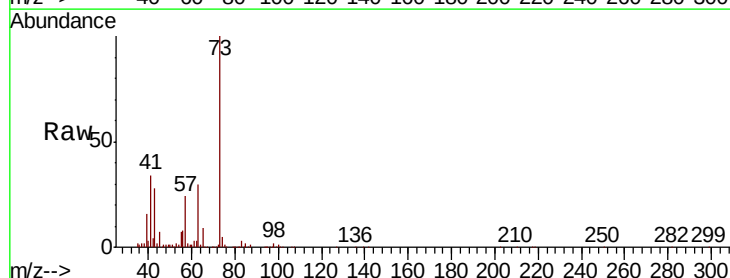
Acq: 7 May 2021 16:10

Tgt Ion: 73 Resp: 1572833

Ion Ratio Lower Upper

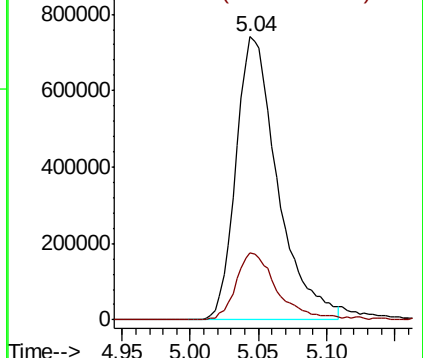
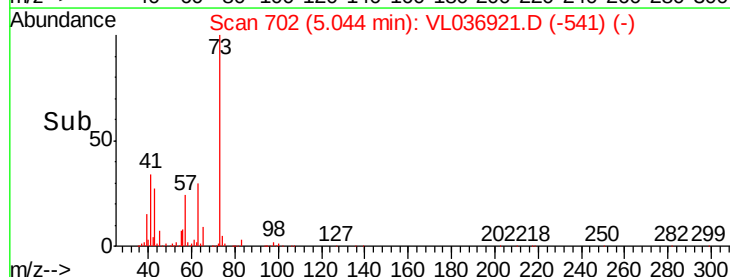
73 100

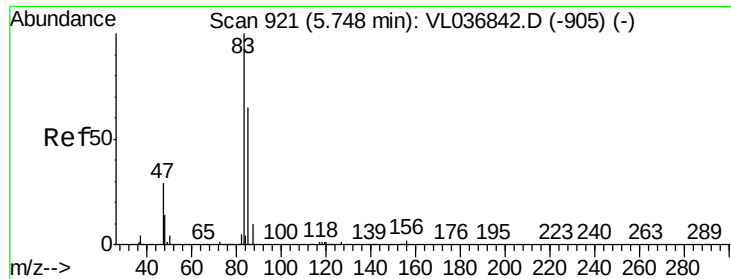
57 24.1 19.0 28.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

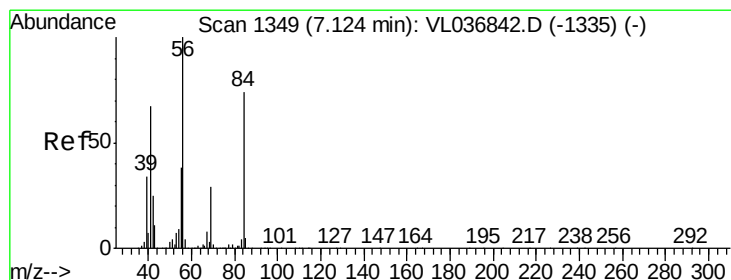
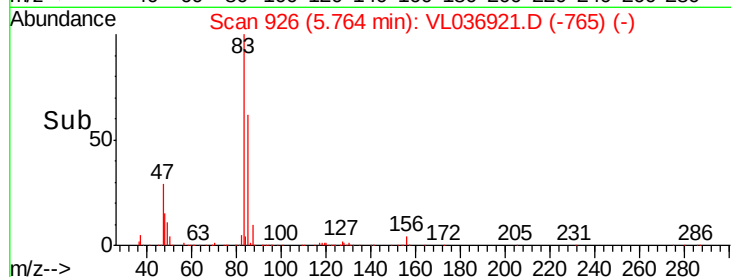
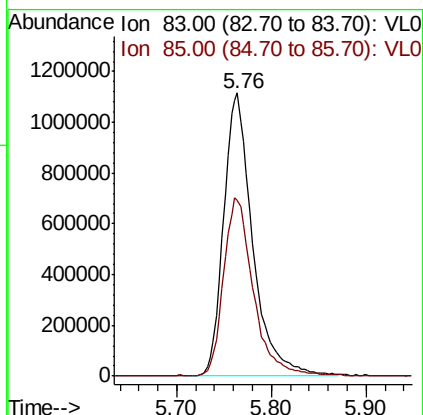
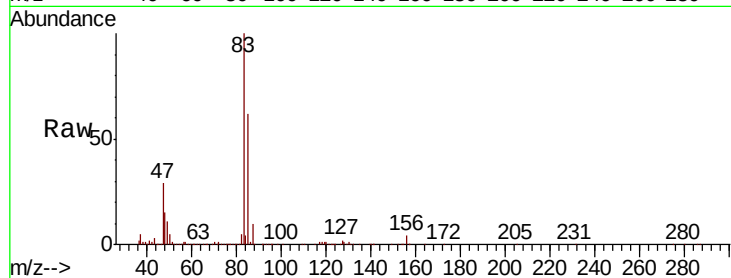




#29
Chloroform
Concen: 10.310 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

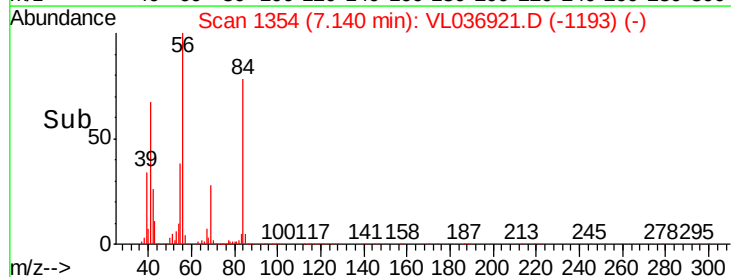
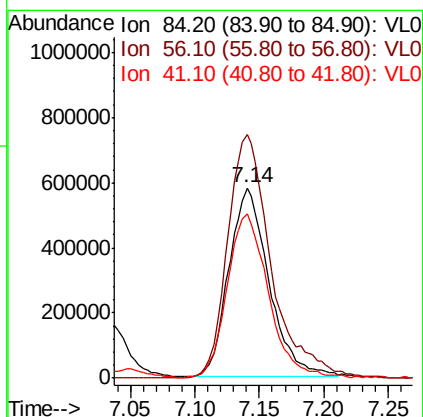
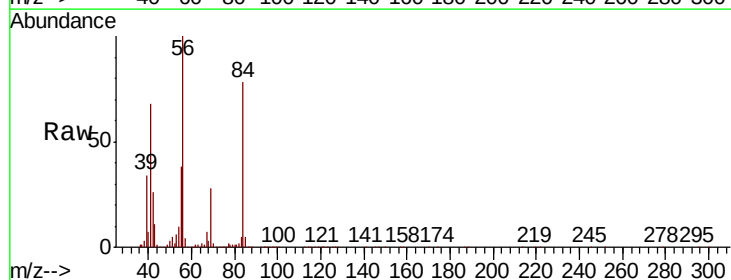
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

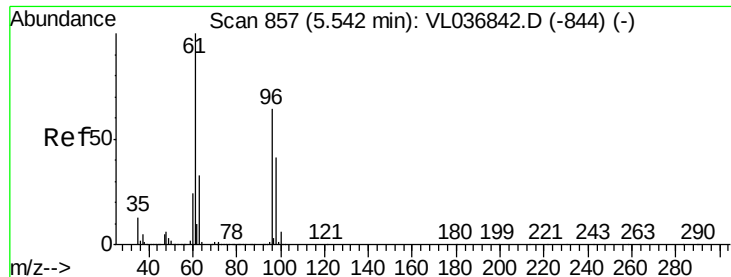
Tot Ion: 83 Resp: 2381609
Ion Ratio Lower Upper
83 100
85 61.9 52.2 78.4



#30
Cyclohexane
Concen: 10.722 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion: 84 Resp: 1259845
Ion Ratio Lower Upper
84 100
56 140.0 115.8 173.6
41 88.3 74.6 111.8



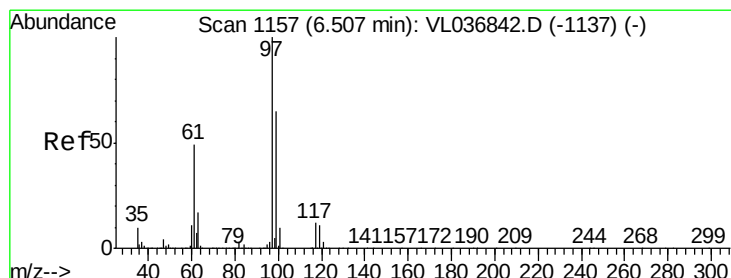
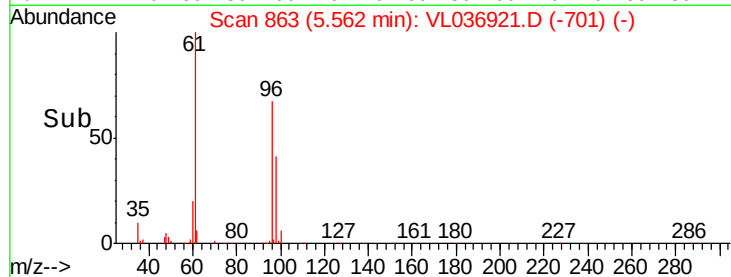
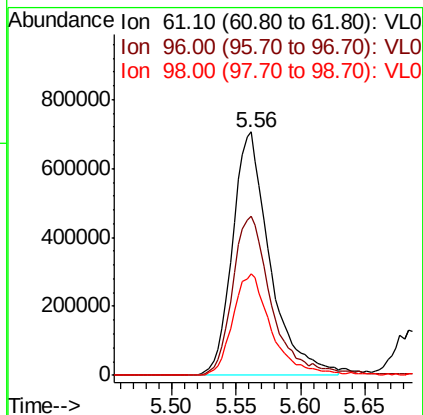
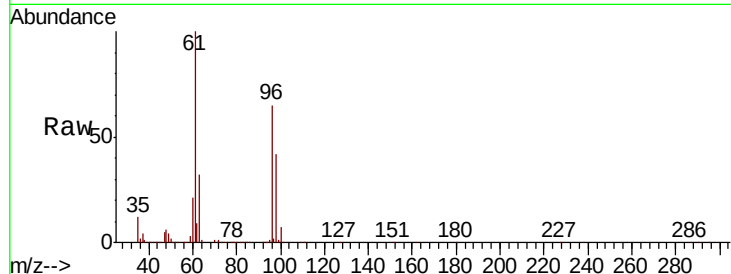


#31

cis-1,2-Dichloroethene
 Concen: 10.664 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. 0.02 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

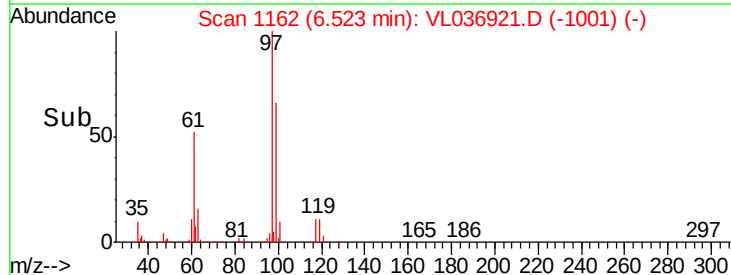
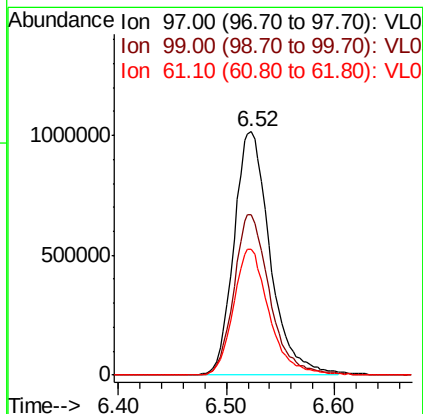
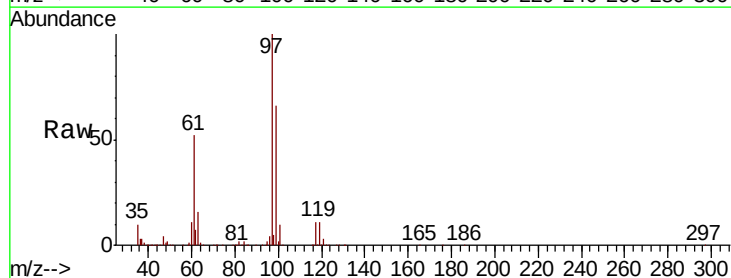
Tot Ion: 61 Resp: 1418257
 Ion Ratio Lower Upper
 61 100
 96 65.2 51.0 76.6
 98 41.7 32.7 49.1

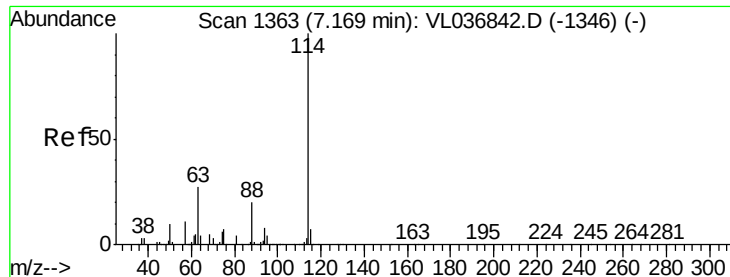


#32

1,1,1-Trichloroethane
 Concen: 10.093 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.02 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Tgt Ion: 97 Resp: 2370753
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.8 77.6
 61 51.7 40.8 61.2

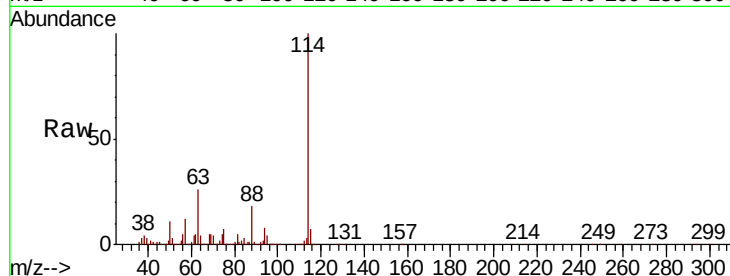




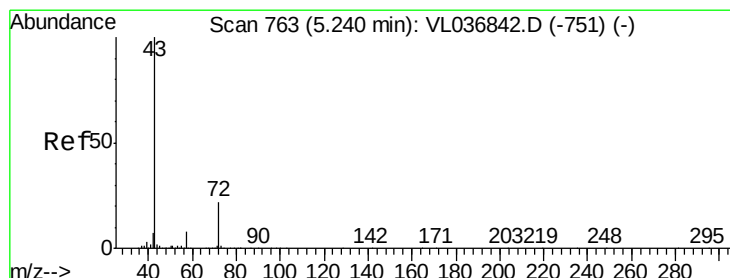
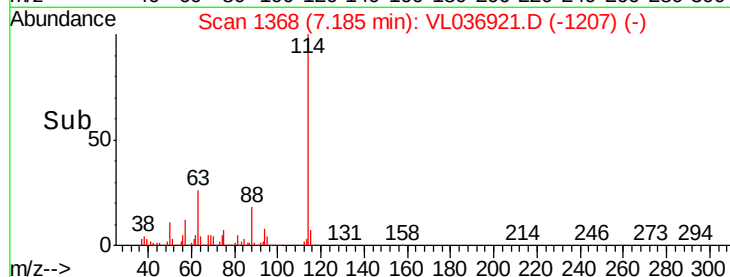
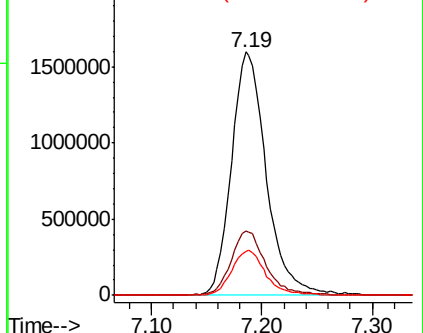
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.02 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion:114 Resp: 3497447
 Ion Ratio Lower Upper
 114 100
 63 26.7 21.9 32.9
 88 18.2 15.1 22.7

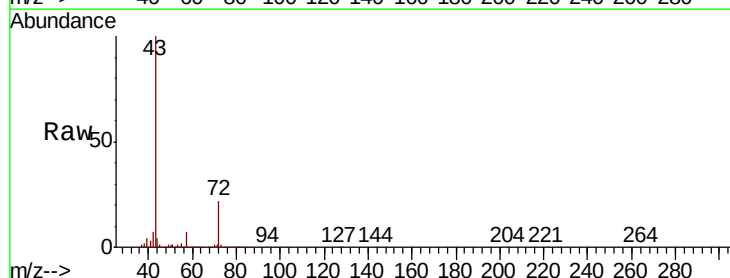


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

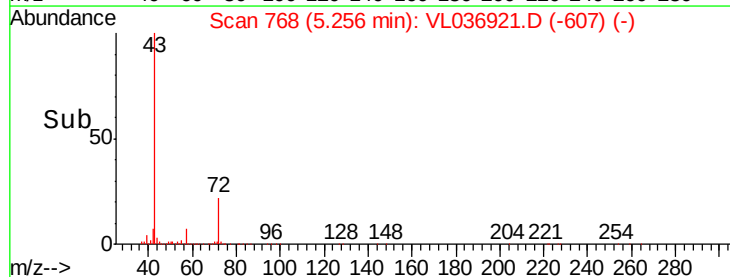
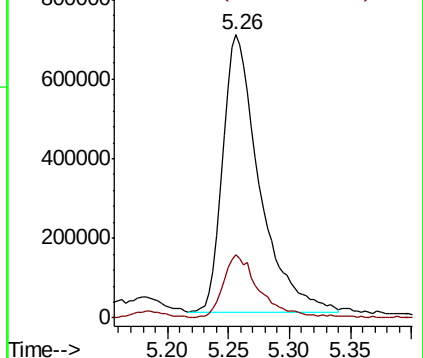


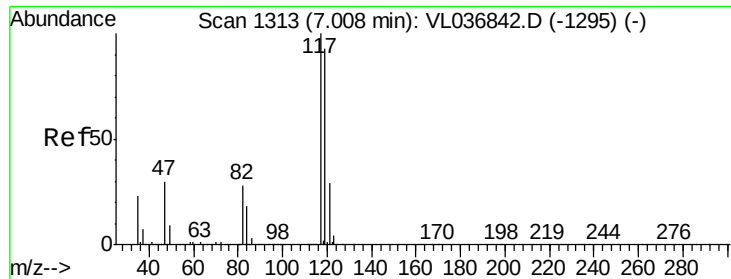
#34
 2-Butanone
 Concen: 9.554 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.02 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Tgt Ion: 43 Resp: 1463731
 Ion Ratio Lower Upper
 43 100
 72 22.8 17.6 26.4



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





#35

Carbon Tetrachloride

Concen: 10.493 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

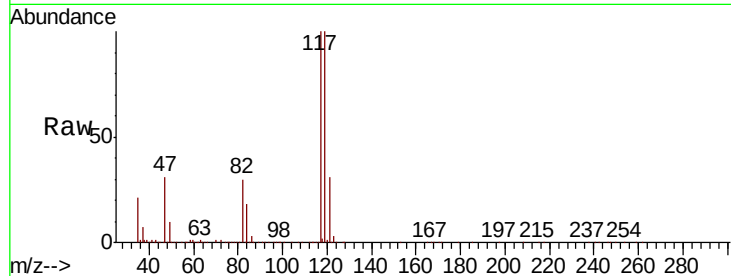
MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion:117 Resp: 2490106

Ion	Ratio	Lower	Upper
117	100		
119	100.0	74.6	111.8
121	31.4	23.3	34.9

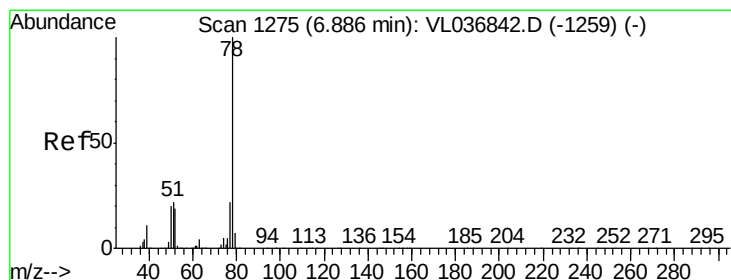
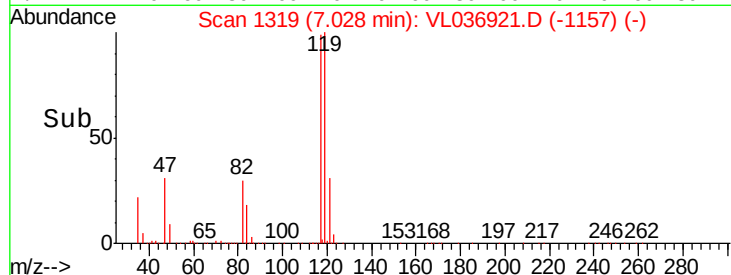
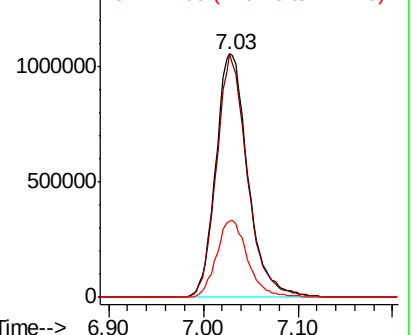


Abundance

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: 10.588 ppbv

RT: 6.90 min Scan# 1280

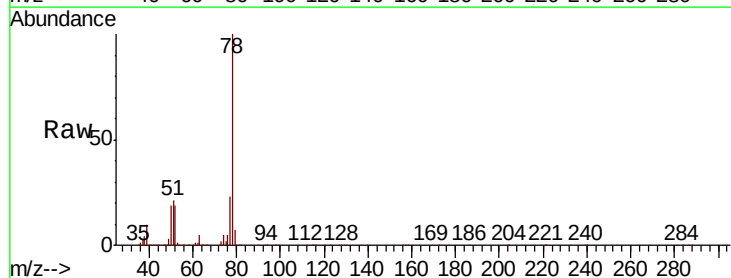
Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Tgt Ion: 78 Resp: 3120058

Ion	Ratio	Lower	Upper
78	100		
77	23.0	17.6	26.4
50	19.4	16.3	24.5

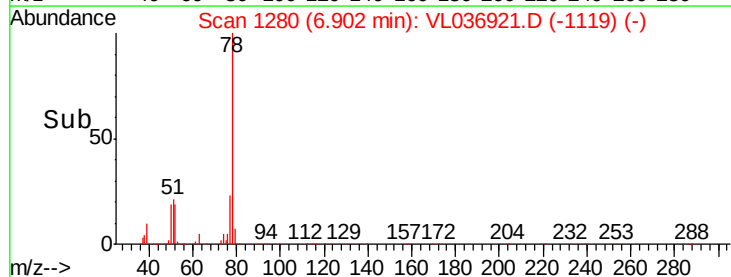
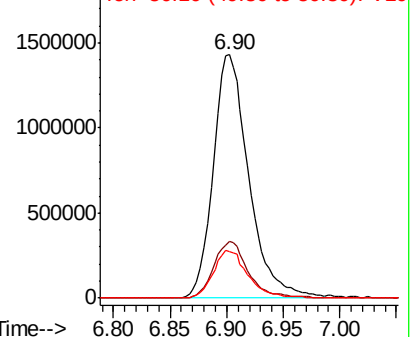


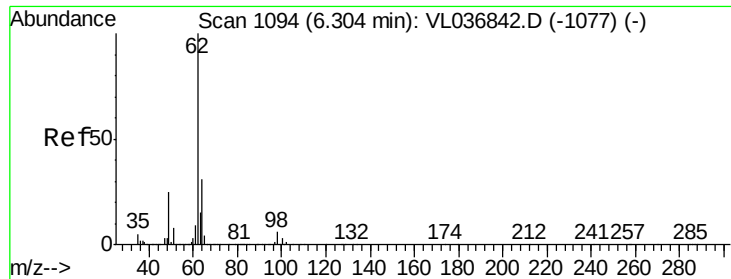
Abundance

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: 10.582 ppbv

RT: 6.32 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

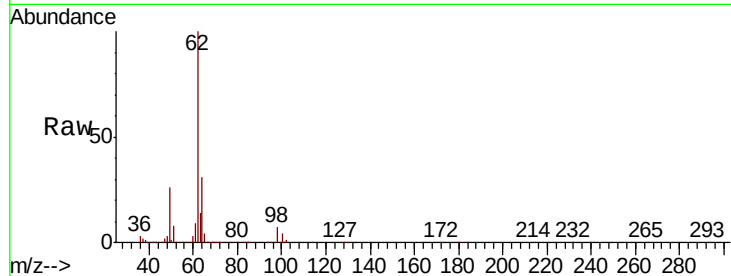
VL0507ABS01

Tot Ion: 62 Resp: 1765746

Ion Ratio Lower Upper

62 100

98 6.5 4.8 7.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

6.32

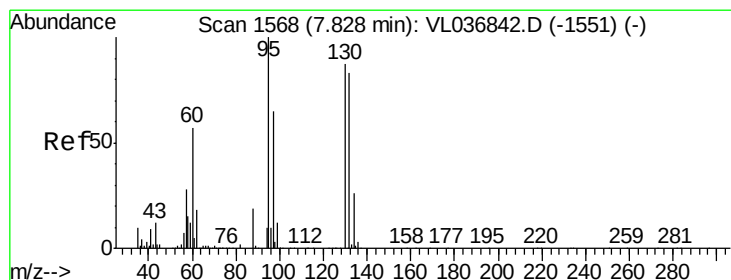
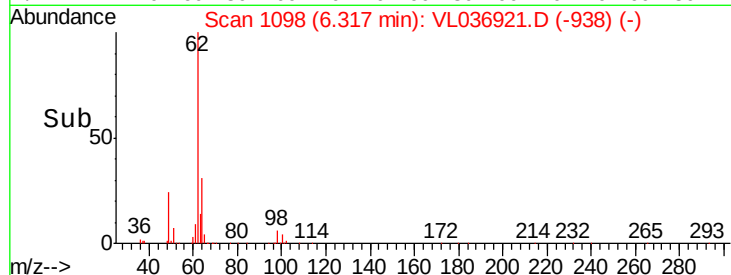
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 10.865 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Tgt Ion:130 Resp: 1139904

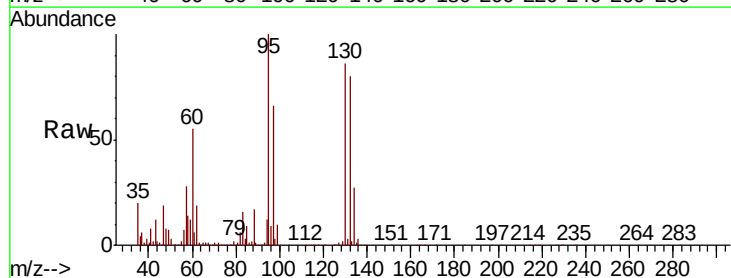
Ion Ratio Lower Upper

130 100

95 116.8 92.3 138.5

132 93.6 76.8 115.2

97 76.7 60.0 90.0



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

800000

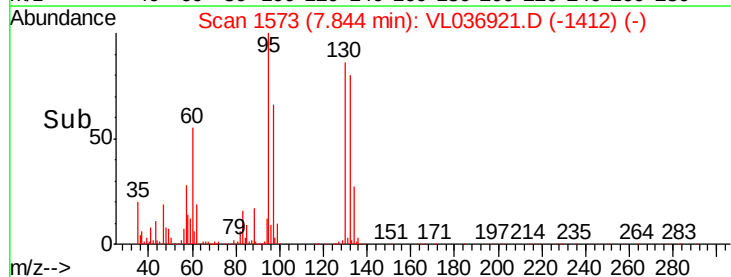
600000

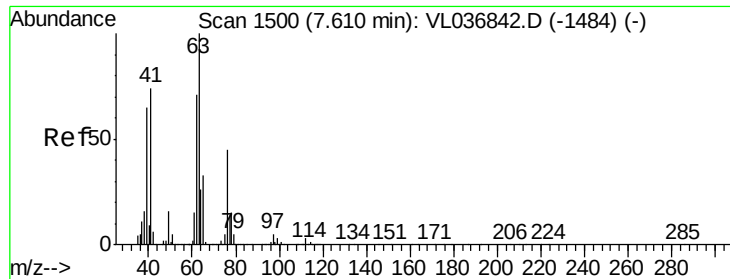
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 5.720 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

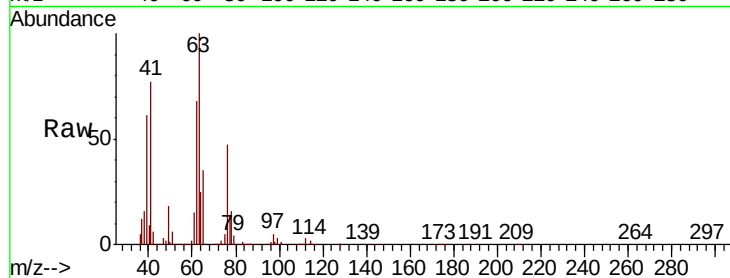
Tot Ion: 63 Resp: 675275

Ion Ratio Lower Upper

63 100

41 76.6 59.1 88.7

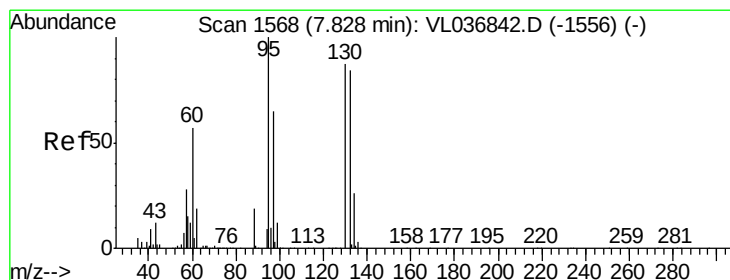
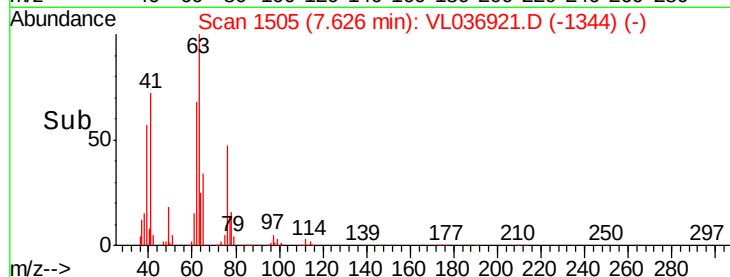
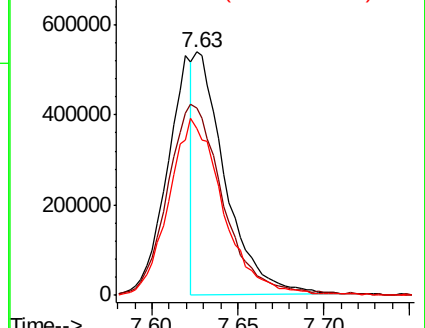
62 68.3 56.9 85.3



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: 9.666 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Tgt Ion: 88 Resp: 275566

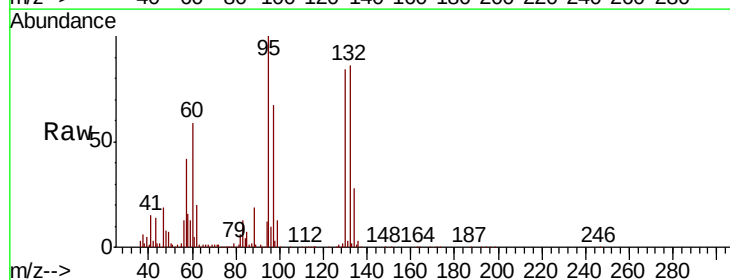
Ion Ratio Lower Upper

88 100

58 172.3 132.6 198.8

43 428.3 331.5 497.3

57 1906.6 1457.4 2186.0

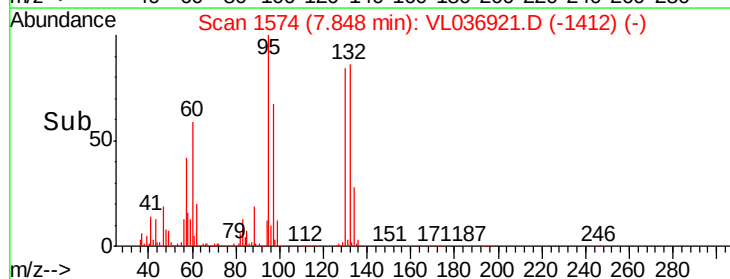
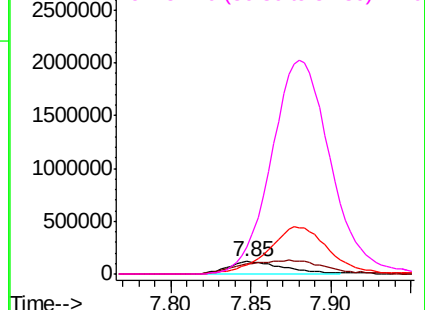


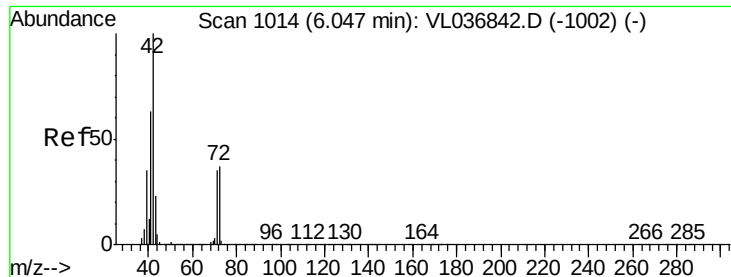
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.460 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

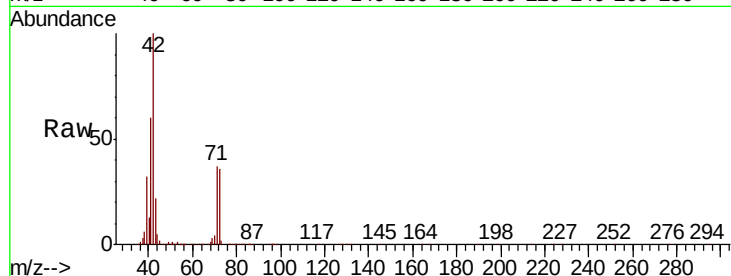
Tot Ion: 42 Resp: 633994

Ion Ratio Lower Upper

42 100

72 38.3 29.7 44.5

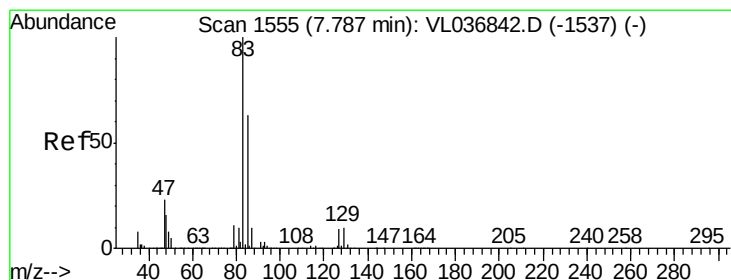
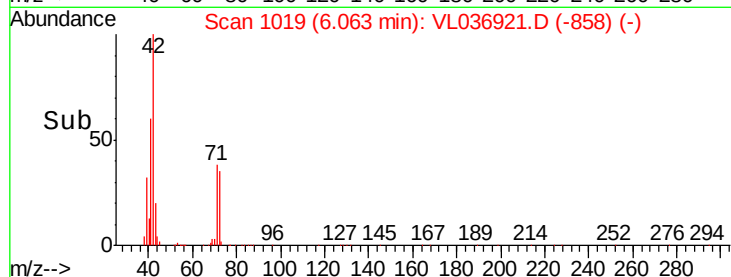
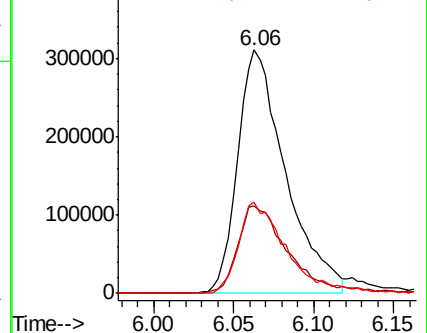
71 38.3 29.0 43.6



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.865 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

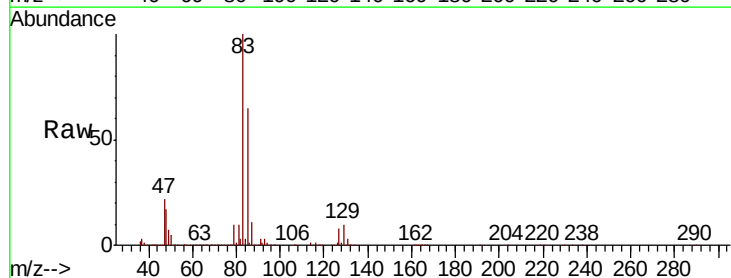
Tgt Ion: 83 Resp: 2519011

Ion Ratio Lower Upper

83 100

85 64.7 50.4 75.6

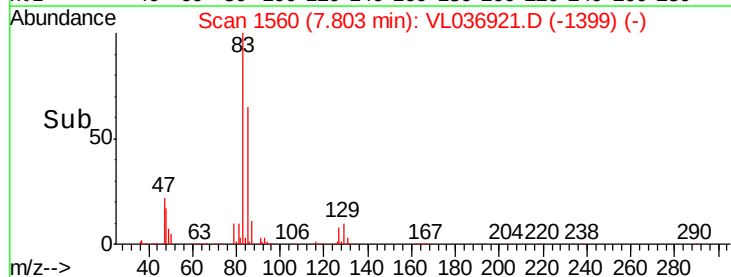
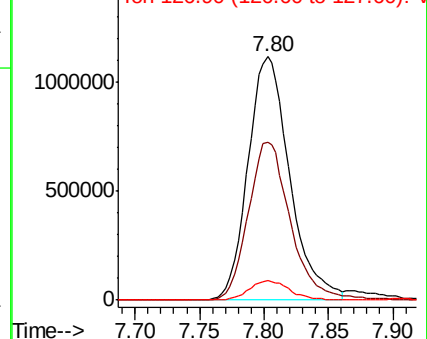
127 8.0 6.9 10.3

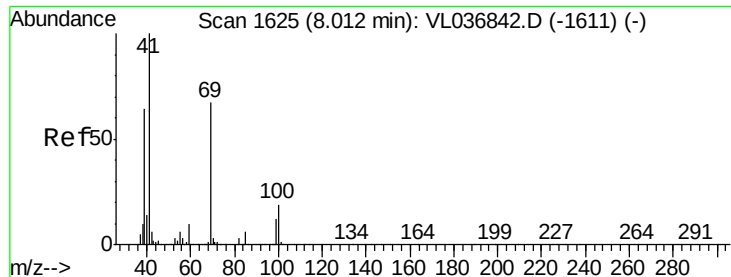


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.786 ppbv

RT: 8.02 min Scan# 1629

Delta R.T. 0.01 min

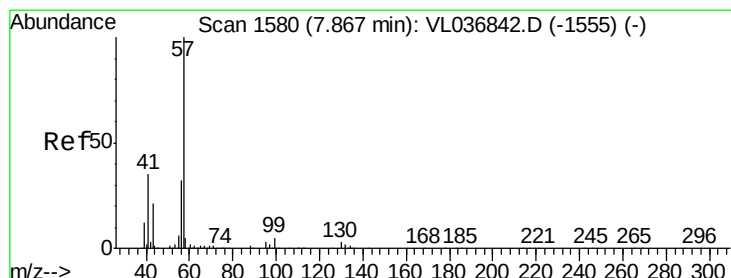
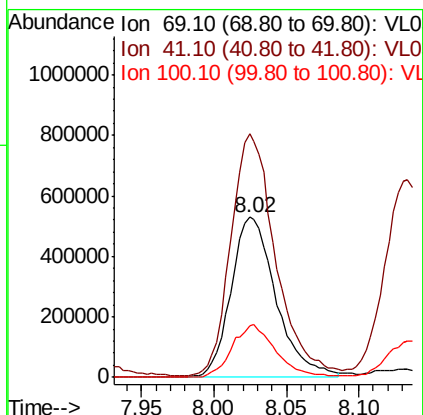
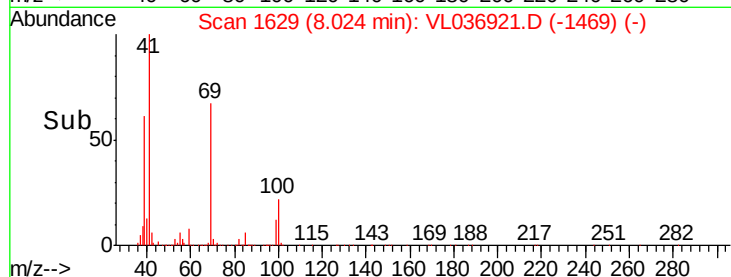
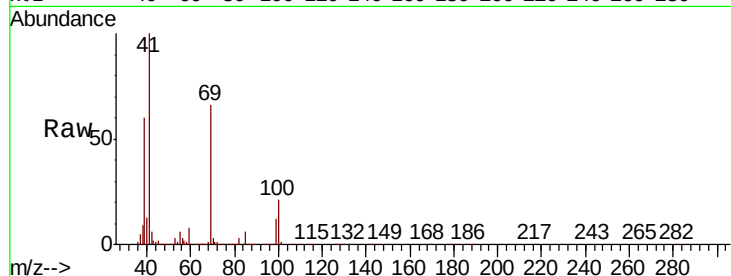
Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 69 Resp: 1133235

Ion	Ratio	Lower	Upper
69	100		
41	152.0	124.2	186.4
100	32.2	25.5	38.3



#44

2,2,4-Trimethylpentane

Concen: 10.358 ppbv

RT: 7.88 min Scan# 1584

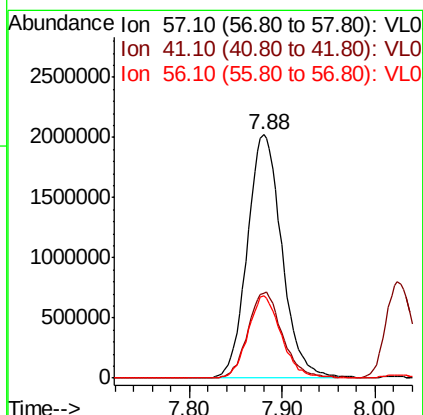
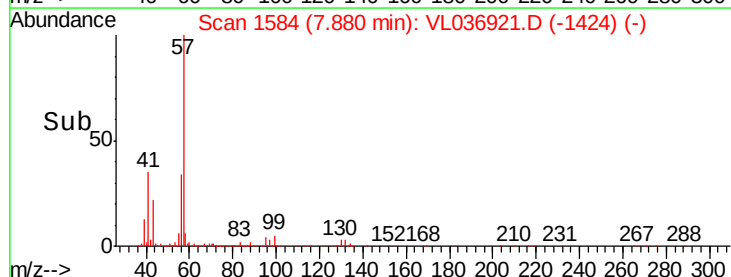
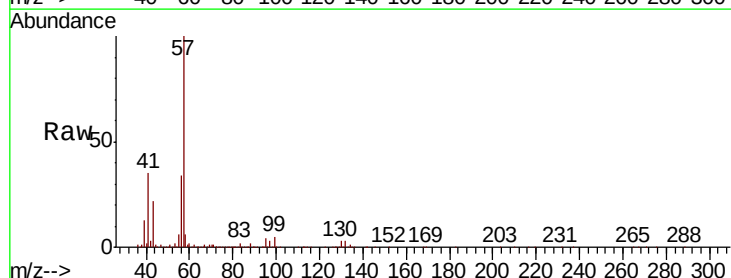
Delta R.T. 0.01 min

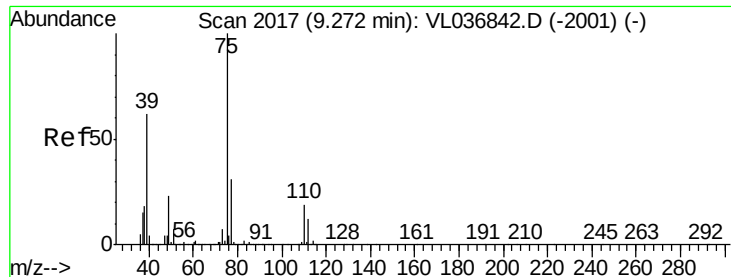
Lab File: VL036921.D

Acq: 7 May 2021 16:10

Tgt Ion: 57 Resp: 5230668

Ion	Ratio	Lower	Upper
57	100		
41	35.3	28.2	42.4
56	32.6	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 8.026 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

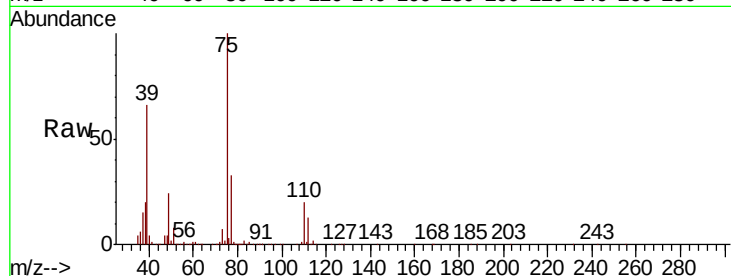
VL0507ABS01

Tot Ion: 75 Resp: 831887

Ion Ratio Lower Upper

75 100

77 33.3 24.6 37.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.29

400000

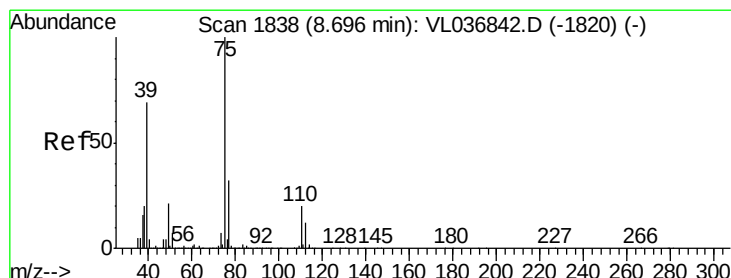
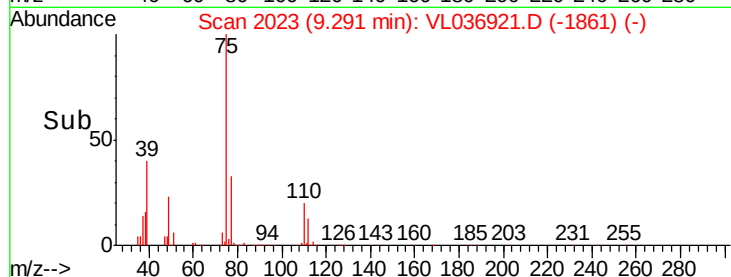
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 8.633 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

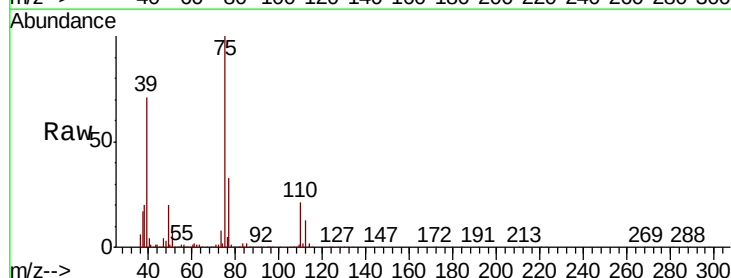
Tgt Ion: 75 Resp: 1147333

Ion Ratio Lower Upper

75 100

39 70.9 55.4 83.0

77 32.6 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.71

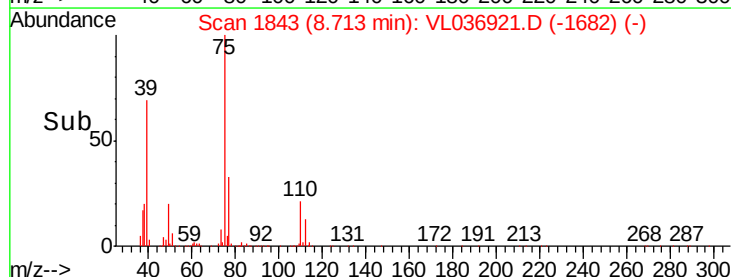
600000

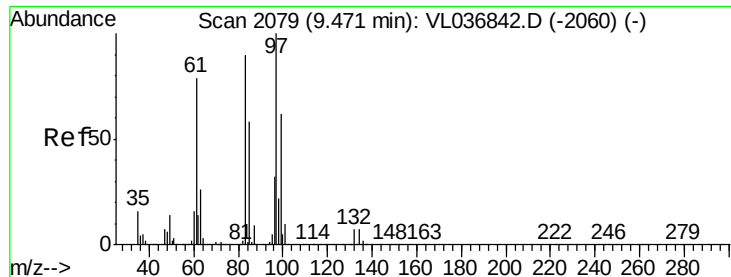
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 10.347 ppbv

RT: 9.48 min Scan# 2083

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 97 Resp: 1264721

Ion	Ratio	Lower	Upper
97	100		
83	91.3	71.9	107.9
85	60.2	46.5	69.7
99	63.5	49.8	74.8

97 100

83 91.3 71.9 107.9

85 60.2 46.5 69.7

99 63.5 49.8 74.8

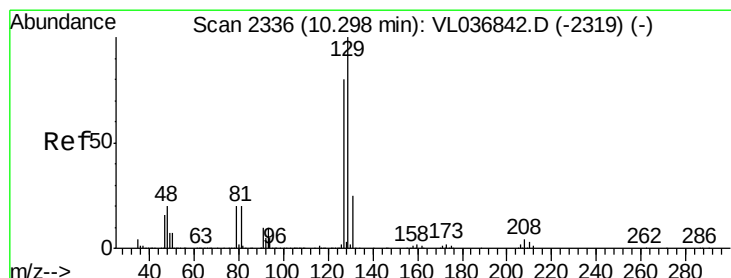
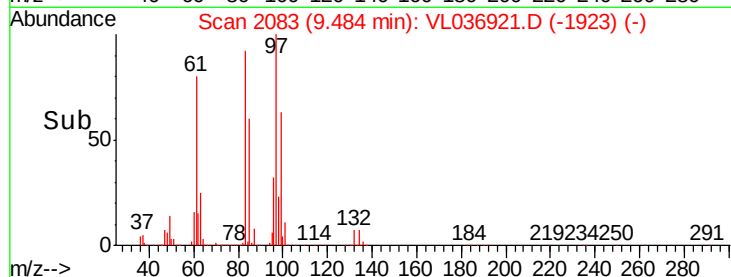
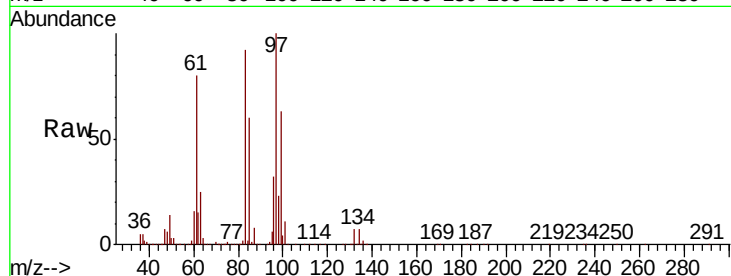
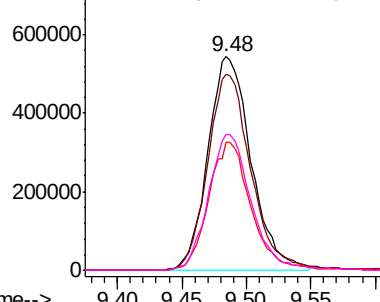
Abundance

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: 11.656 ppbv

RT: 10.32 min Scan# 2342

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Tgt Ion: 129 Resp: 2110982

Ion	Ratio	Lower	Upper
129	100		
127	78.6	40.2	120.5

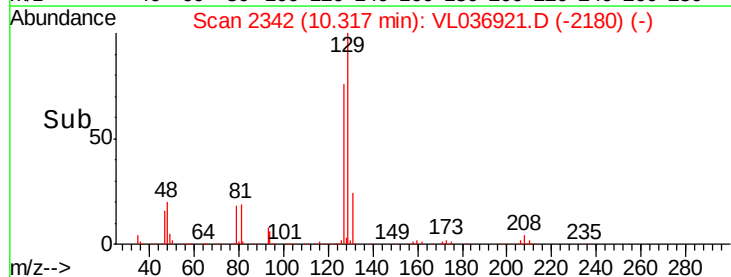
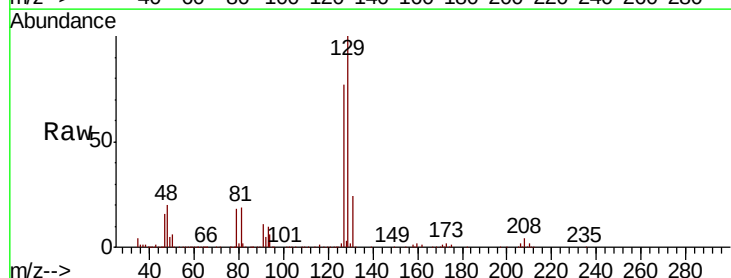
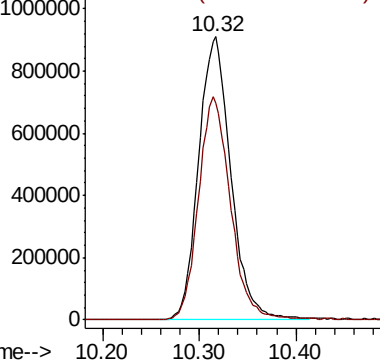
129 100

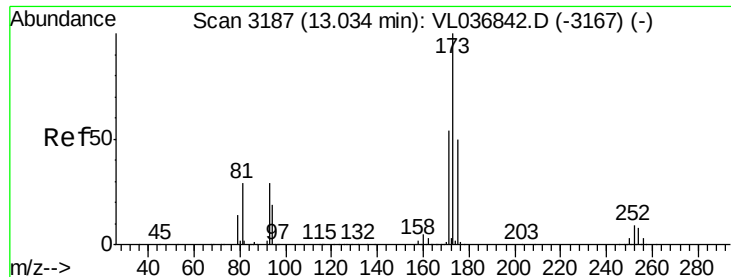
127 78.6 40.2 120.5

Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.894 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

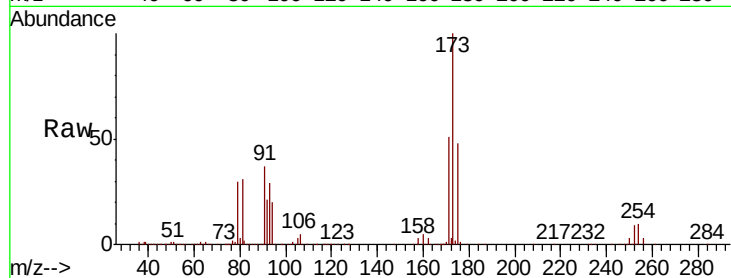
Tot Ion:173 Resp: 1719669

Ion Ratio Lower Upper

173 100

175 50.6 39.6 59.4

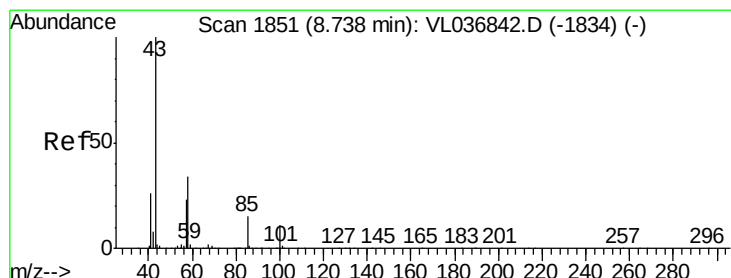
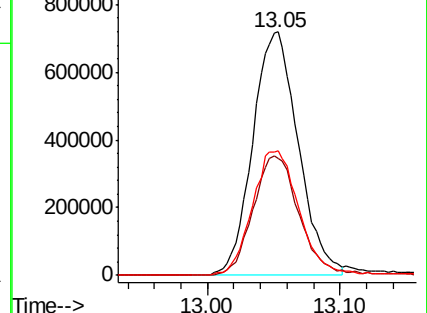
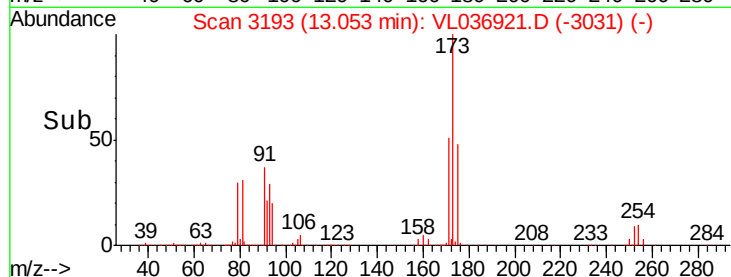
171 53.2 42.2 63.4



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: 10.325 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.02 min

Lab File: VL036921.D

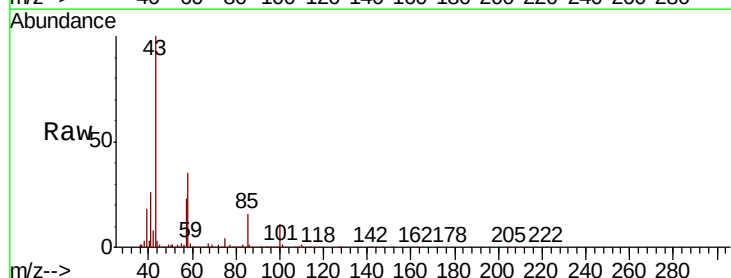
Acq: 7 May 2021 16:10

Tgt Ion: 43 Resp: 2162257

Ion Ratio Lower Upper

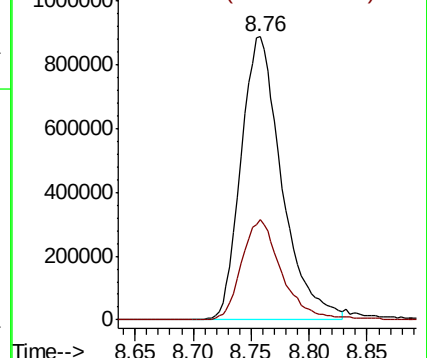
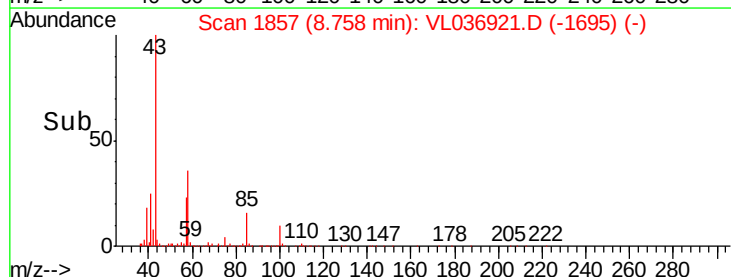
43 100

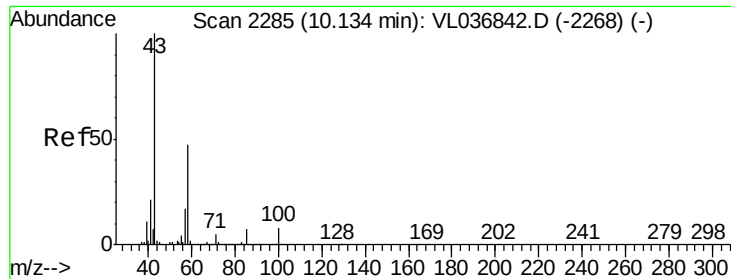
58 35.2 27.8 41.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

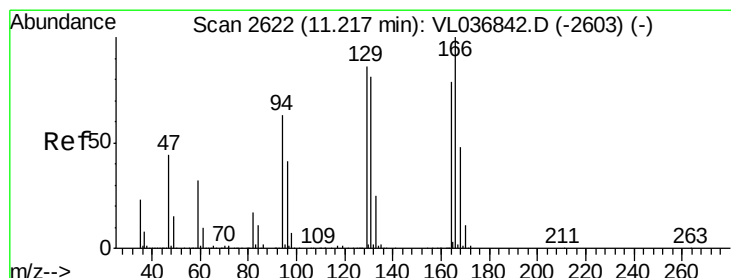
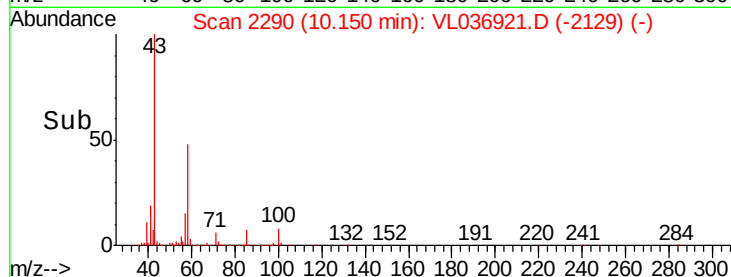
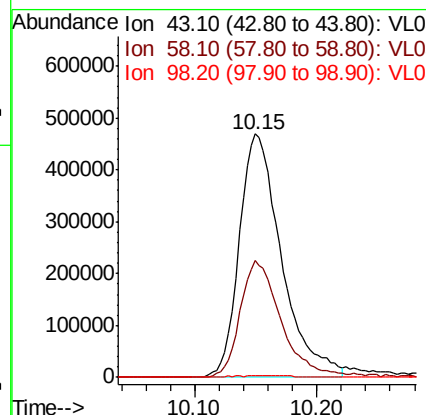
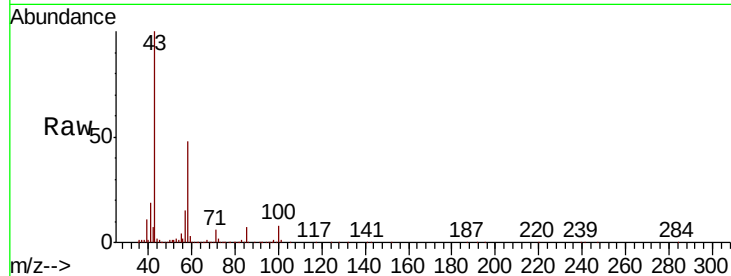




#51
2-Hexanone
Concen: 10.714 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

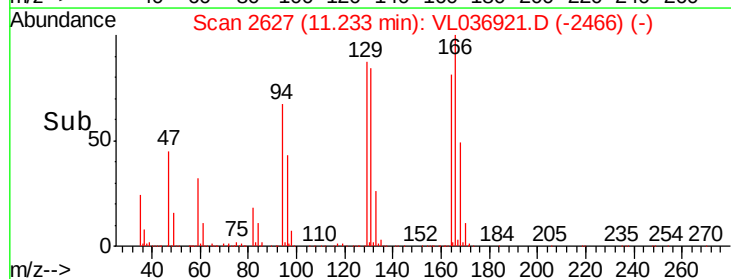
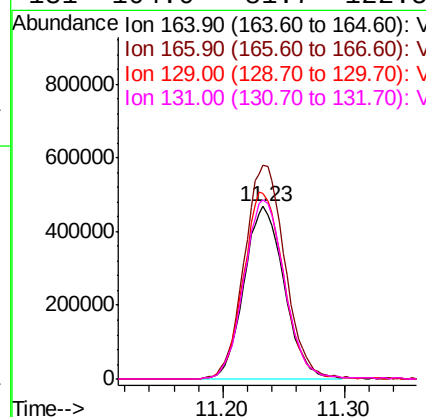
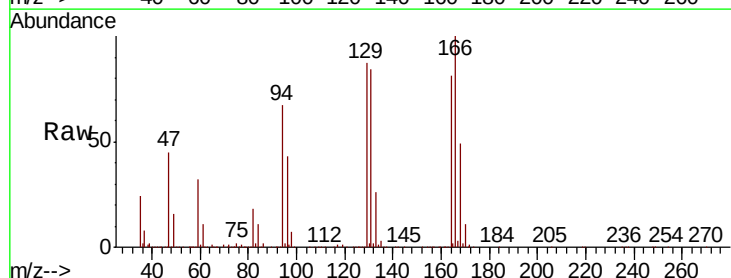
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

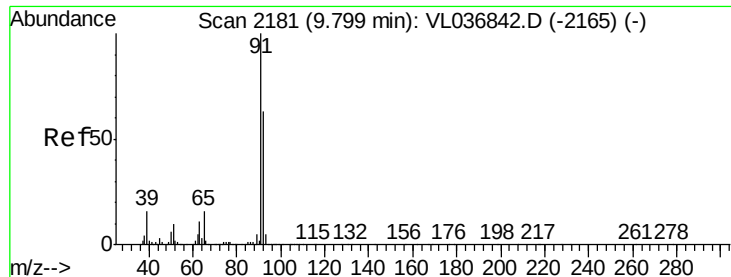
Tot Ion: 43 Resp: 1119086
Ion Ratio Lower Upper
43 100
58 47.2 37.0 55.6
98 1.2 0.2 0.4#



#52
Tetrachloroethene
Concen: 10.558 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion: 164 Resp: 1059450
Ion Ratio Lower Upper
164 100
166 123.9 100.9 151.3
129 108.0 87.0 130.4
131 104.0 81.7 122.5





#53

Toluene

Concen: 11.292 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

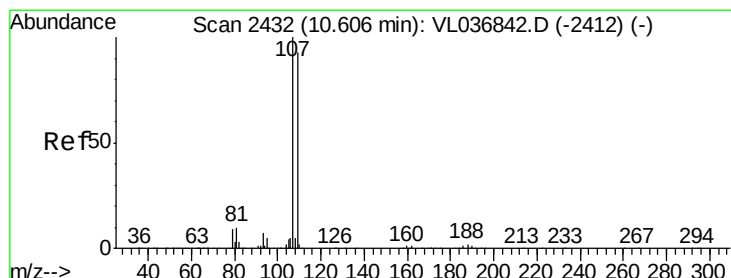
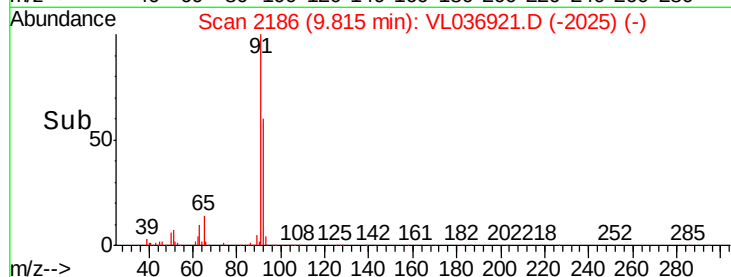
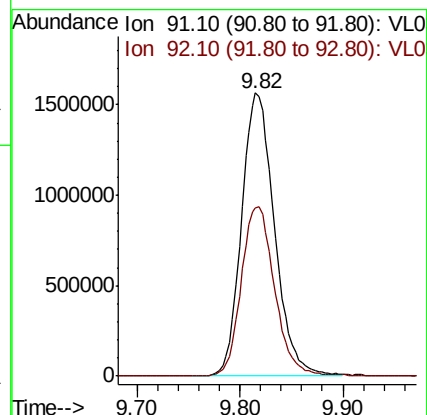
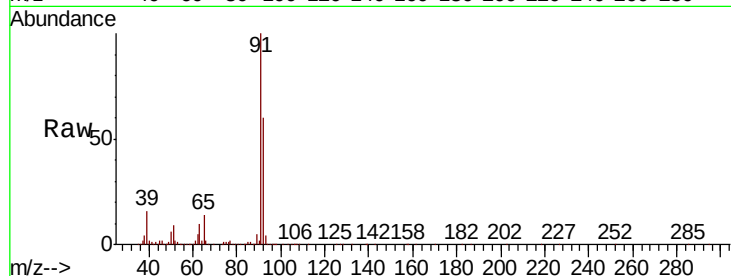
VL0507ABS01

Tot Ion: 91 Resp: 3481770

Ion Ratio Lower Upper

91 100

92 60.9 49.0 73.4



#54

1,2-Dibromoethane

Concen: 10.334 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.01 min

Lab File: VL036921.D

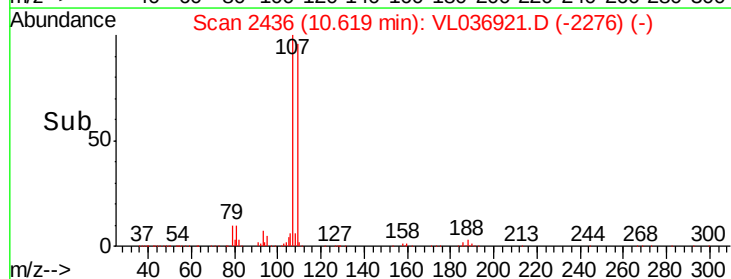
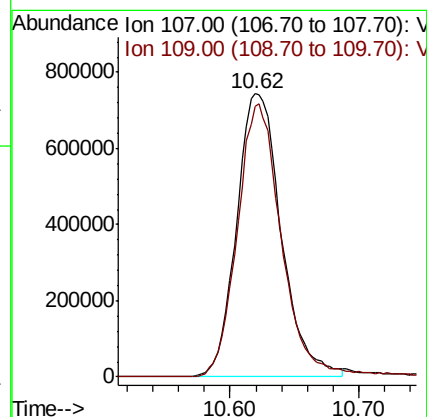
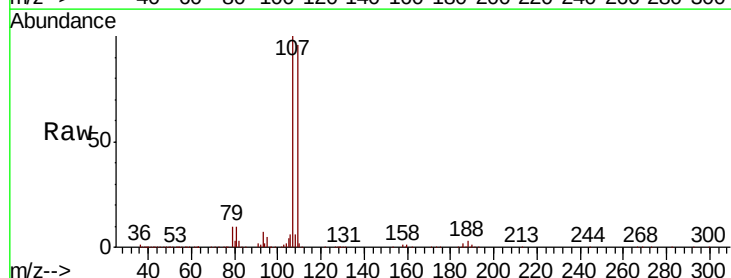
Acq: 7 May 2021 16:10

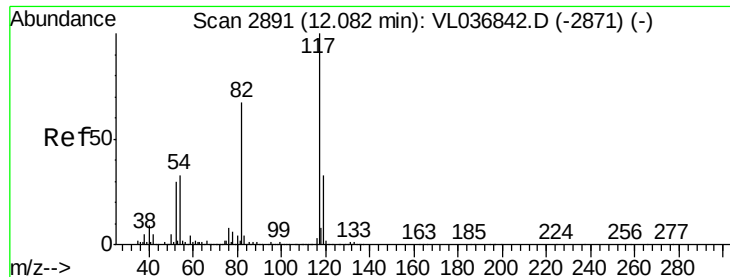
Tgt Ion: 107 Resp: 1783175

Ion Ratio Lower Upper

107 100

109 95.6 74.7 112.1

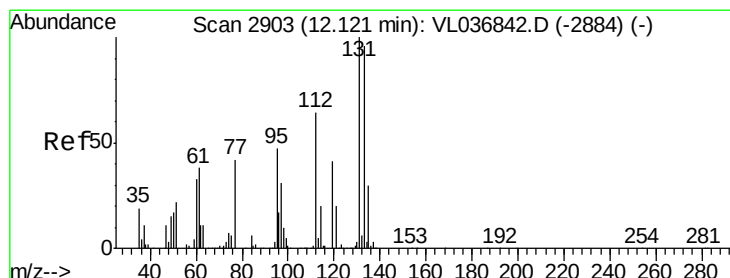
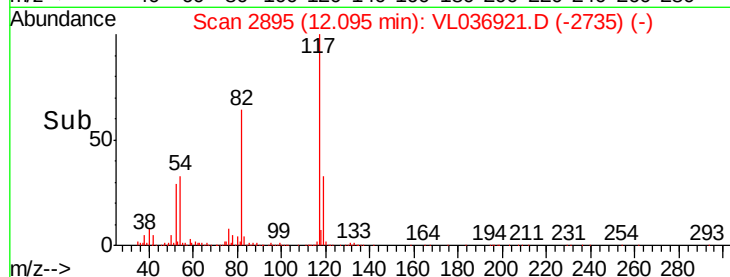
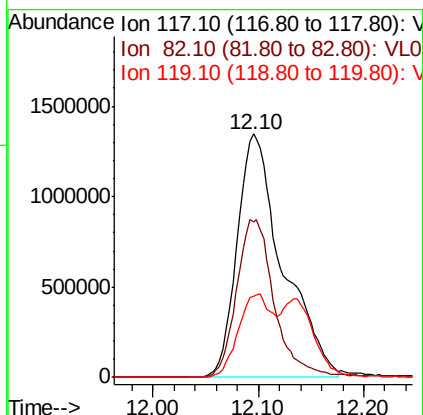
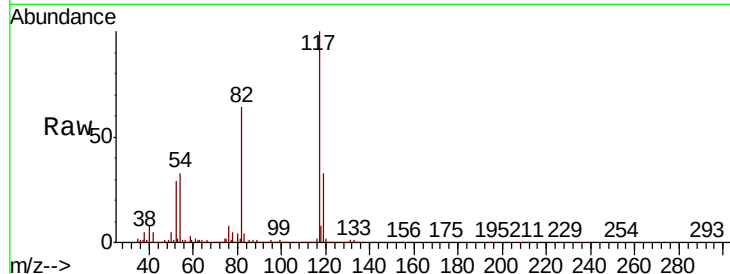




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

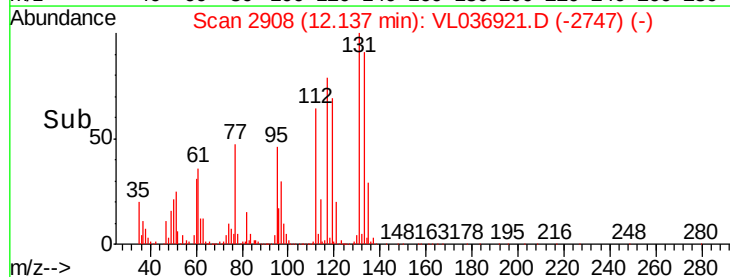
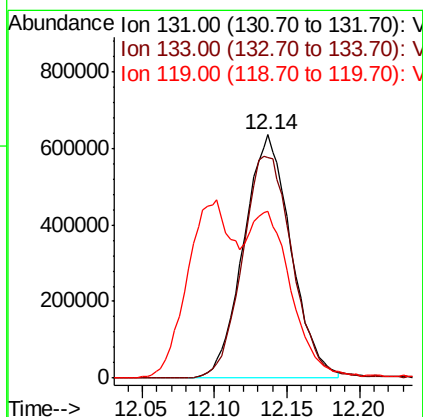
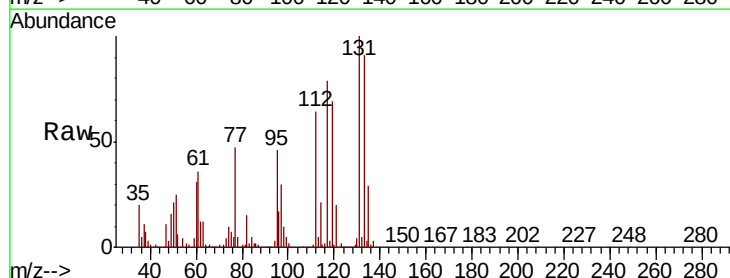
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

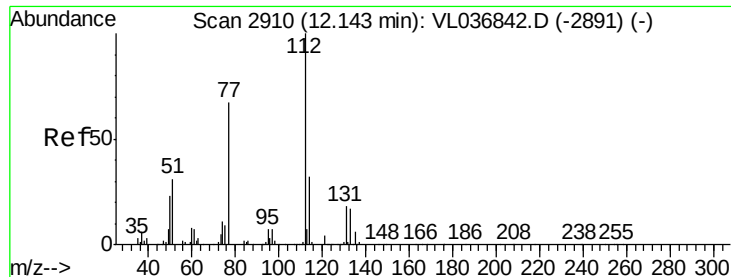
Tot Ion:117 Resp: 4044816
Ion Ratio Lower Upper
117 100
82 54.7 53.5 80.3
119 27.4 25.6 38.4



#56
1,1,1,2-Tetrachloroethane
Concen: 8.489 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion:131 Resp: 1439494
Ion Ratio Lower Upper
131 100
133 97.7 76.3 114.5
119 69.1 114.9 172.3#





#57

Chlorobenzene

Concen: 8.198 ppbv

RT: 12.16 min Scan# 2915

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

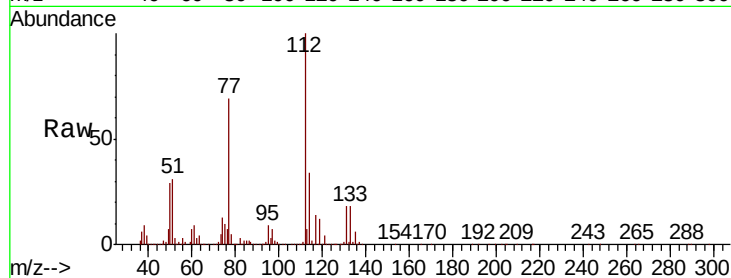
Tot Ion:112 Resp: 2582585

Ion Ratio Lower Upper

112 100

77 68.4 54.2 81.4

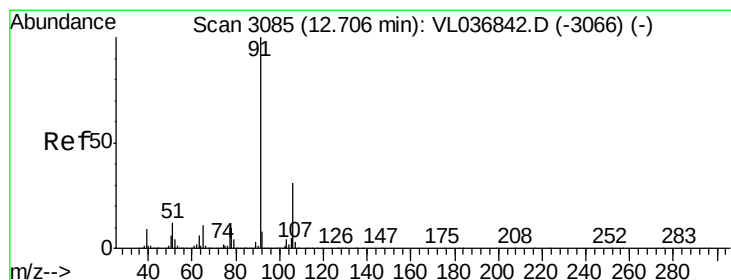
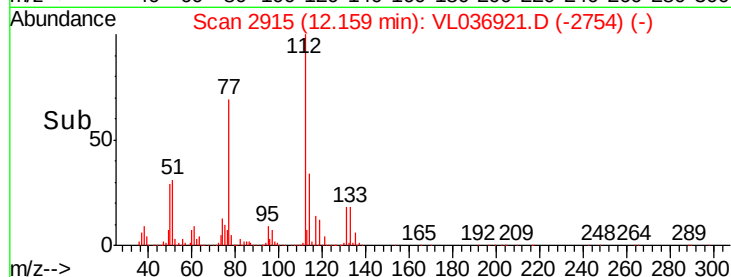
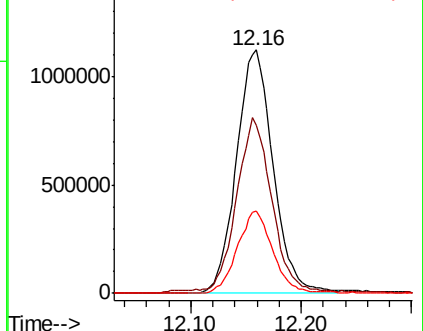
114 33.7 28.5 34.9



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: 9.003 ppbv

RT: 12.72 min Scan# 3089

Delta R.T. 0.01 min

Lab File: VL036921.D

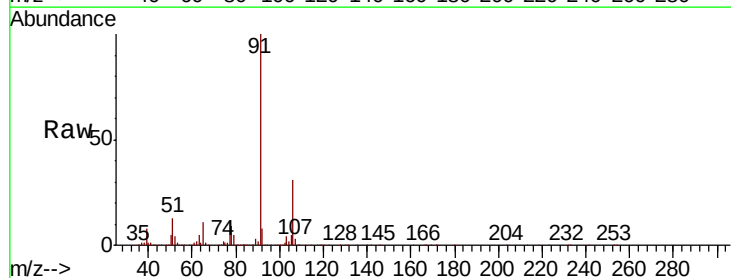
Acq: 7 May 2021 16:10

Tgt Ion: 91 Resp: 4618834

Ion Ratio Lower Upper

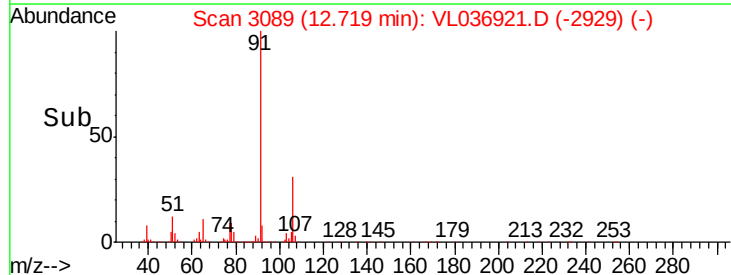
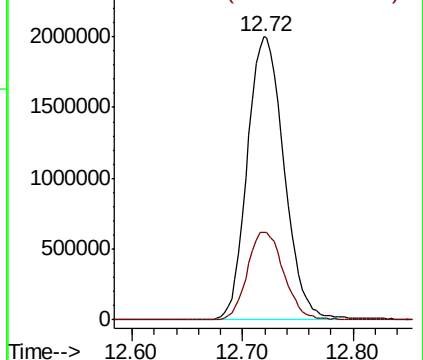
91 100

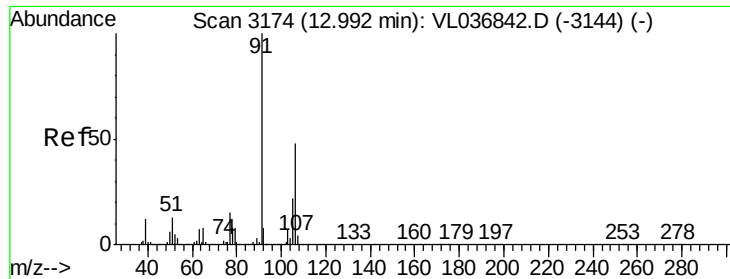
106 30.9 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 9.777 ppbv

RT: 13.01 min Scan# 3179

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

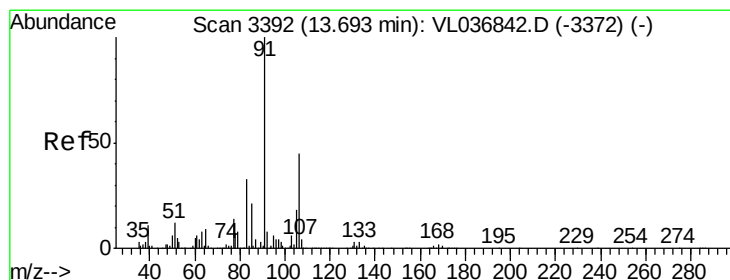
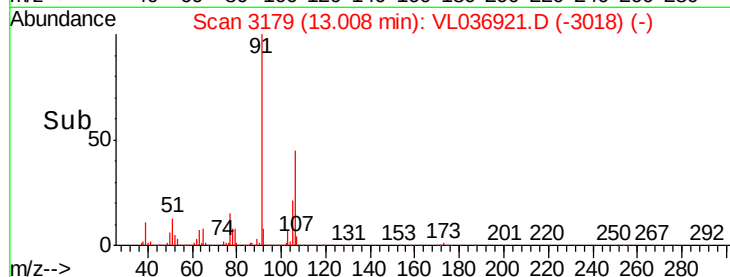
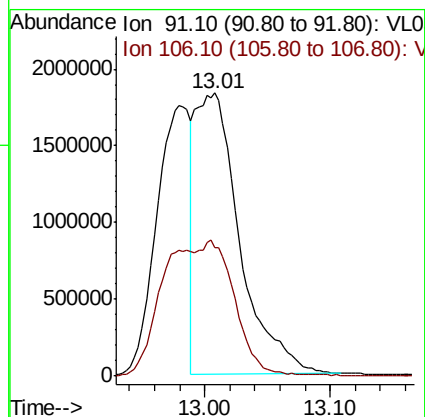
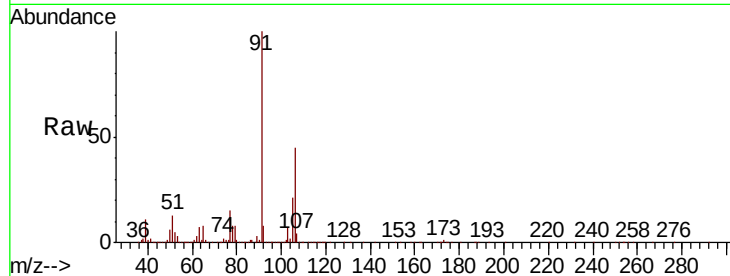
VL0507ABS01

Tot Ion: 91 Resp: 4483206

Ion Ratio Lower Upper

91 100

106 78.0 35.8 53.6#



#60

o-Xylene

Concen: 8.467 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. 0.01 min

Lab File: VL036921.D

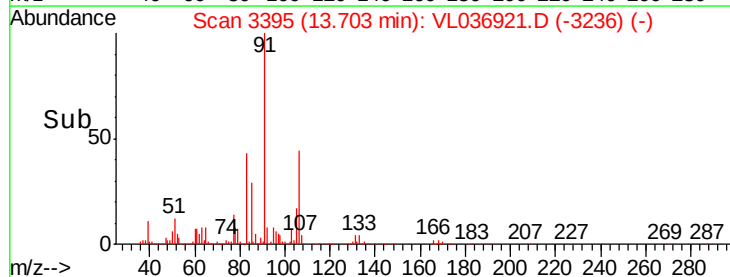
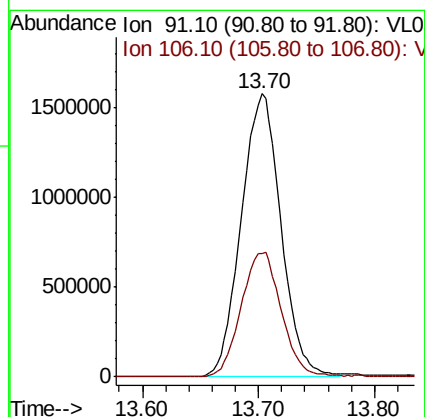
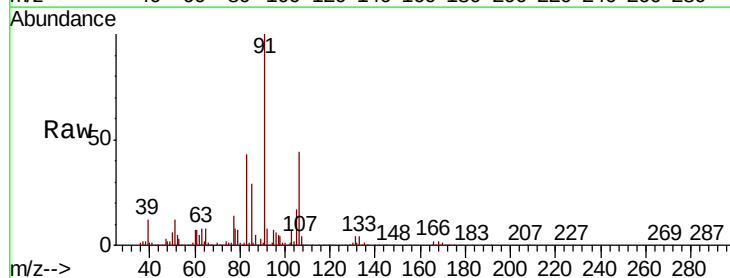
Acq: 7 May 2021 16:10

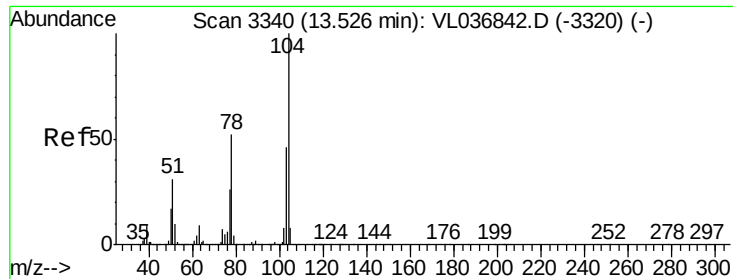
Tgt Ion: 91 Resp: 3754104

Ion Ratio Lower Upper

91 100

106 45.0 22.6 67.7





#61

Stvrene

Concen: 9.692 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

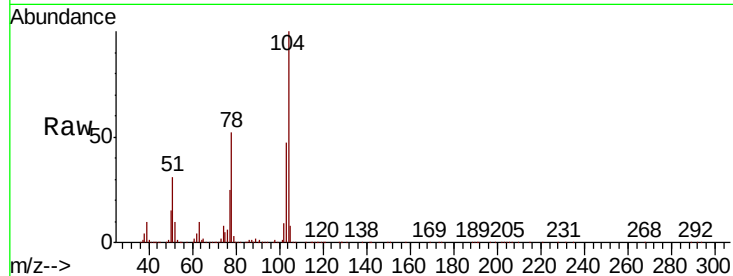
Tot Ion:104 Resp: 2018005

Ion Ratio Lower Upper

104 100

78 53.0 42.6 64.0

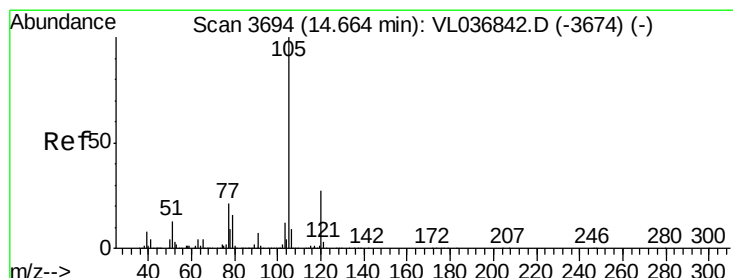
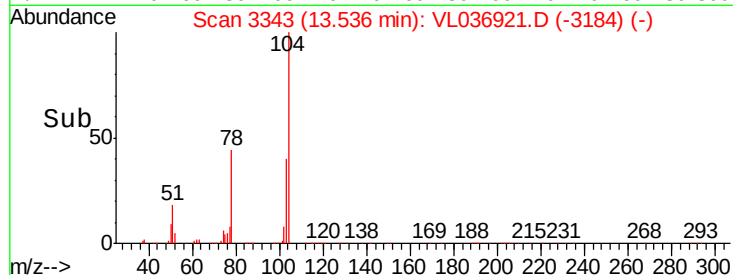
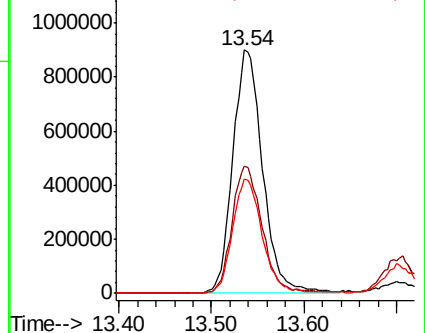
103 47.3 38.1 57.1



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: 8.525 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. 0.02 min

Lab File: VL036921.D

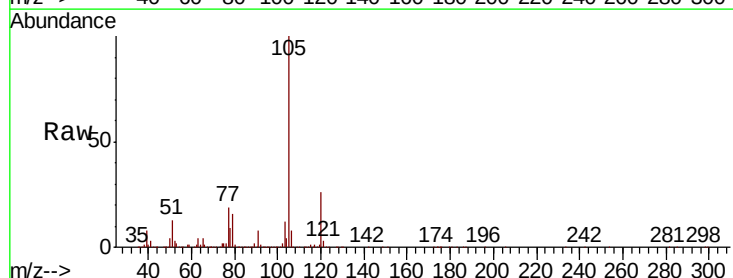
Acq: 7 May 2021 16:10

Tgt Ion:105 Resp: 5142398

Ion Ratio Lower Upper

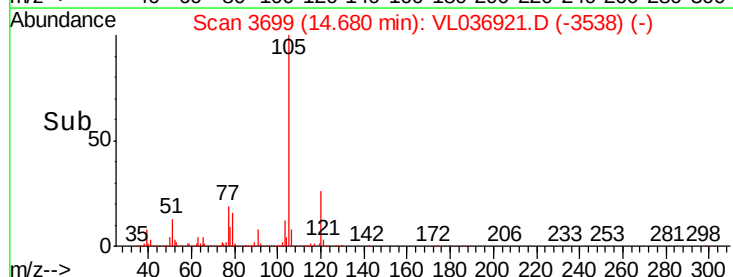
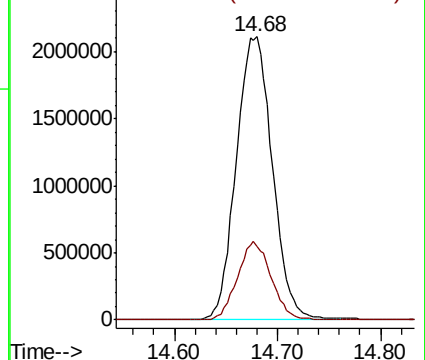
105 100

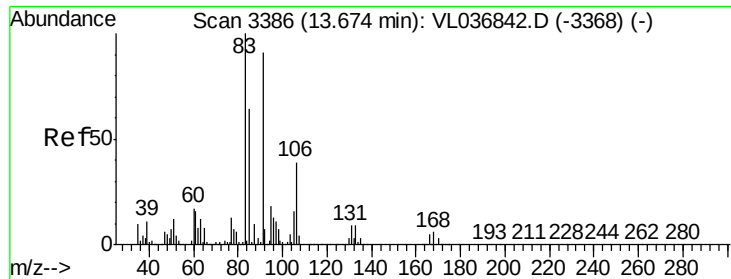
120 26.2 21.1 31.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.009 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

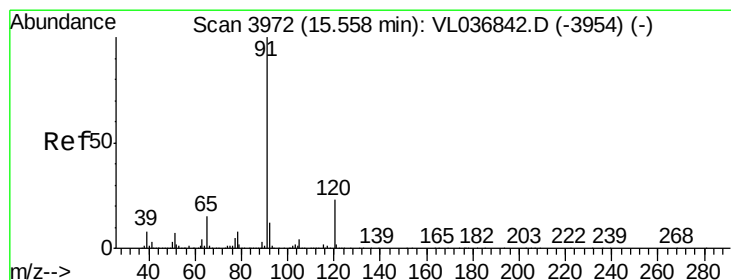
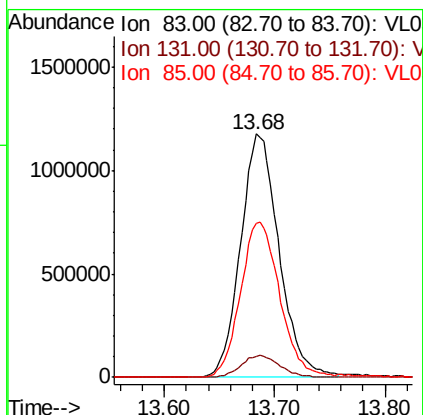
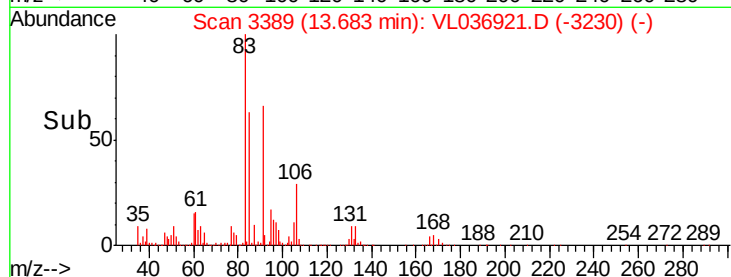
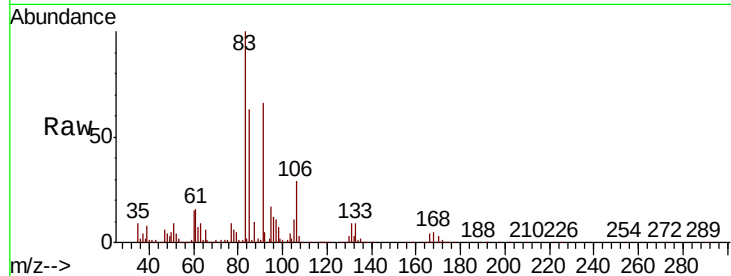
Tot Ion: 83 Resp: 2846273

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.3

85 66.4 32.8 98.4



#64

n-propylbenzene

Concen: 9.018 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VL036921.D

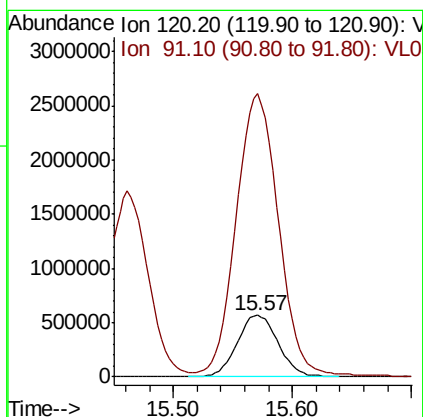
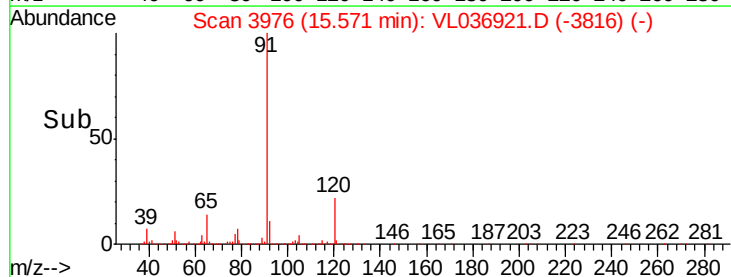
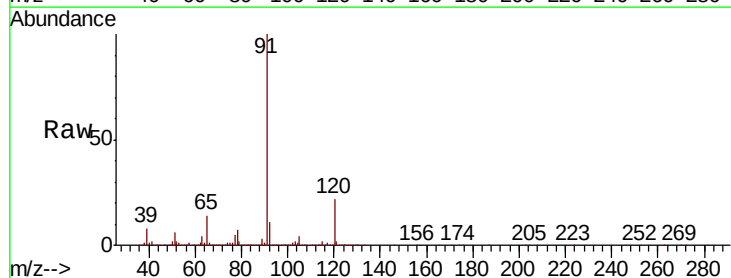
Acq: 7 May 2021 16:10

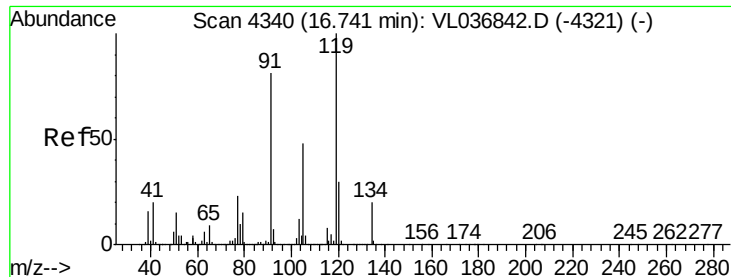
Tgt Ion:120 Resp: 1355707

Ion Ratio Lower Upper

120 100

91 477.4 378.6 567.8





#65

tert-Butylbenzene

Concen: 8.379 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

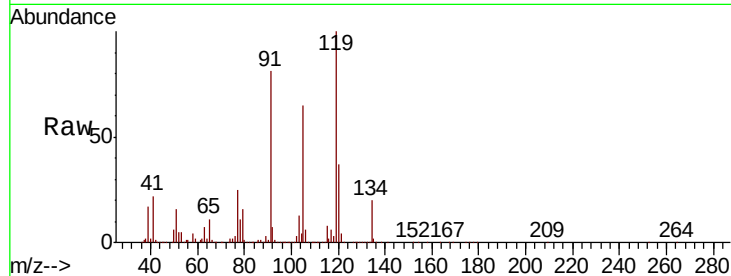
Tot Ion:119 Resp: 4468918

Ion Ratio Lower Upper

119 100

91 85.3 67.0 100.6

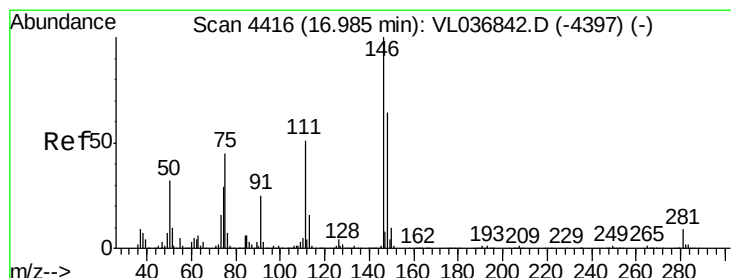
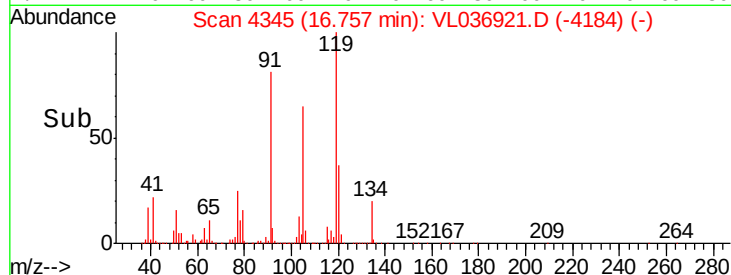
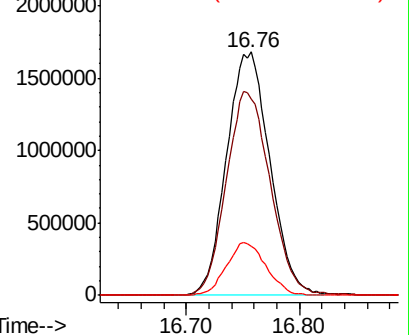
134 20.0 15.8 23.6



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: 6.229 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

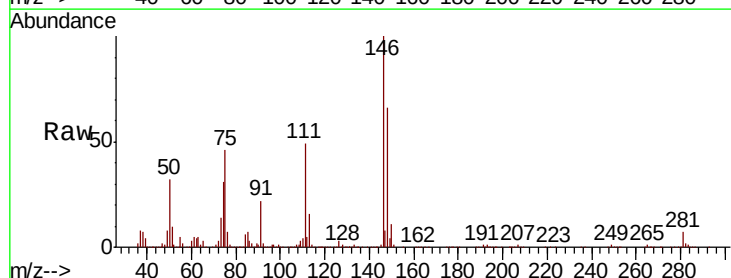
Tgt Ion: 91 Resp: 324816

Ion Ratio Lower Upper

91 100

126 18.5 14.1 21.1

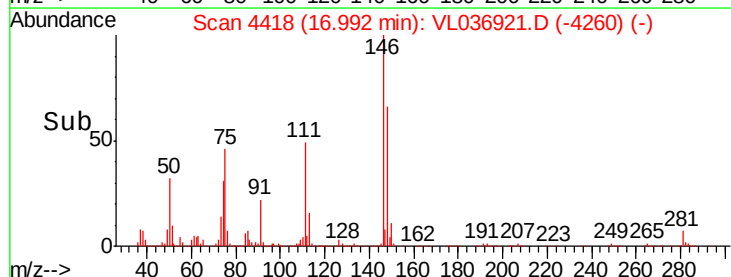
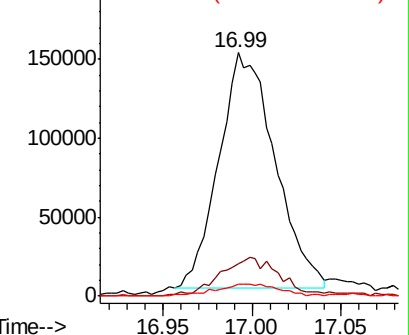
128 6.5 4.8 7.2

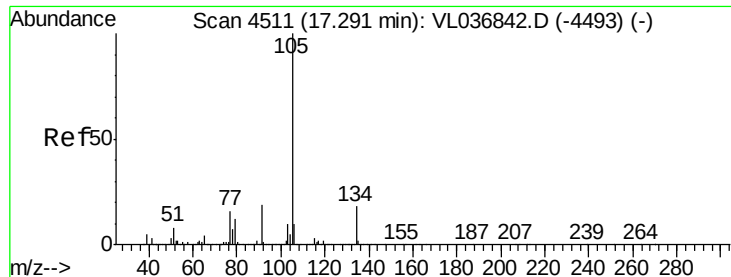


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.551 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

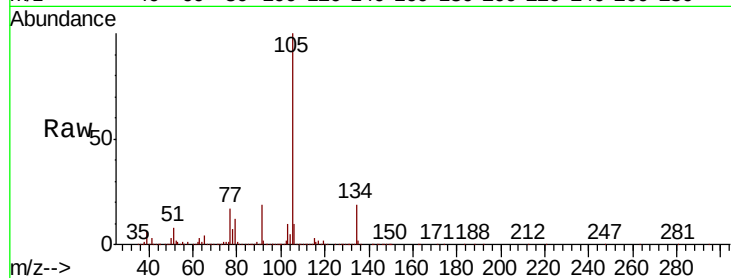
VL0507ABS01

Tot Ion:105 Resp: 6332707

Ion Ratio Lower Upper

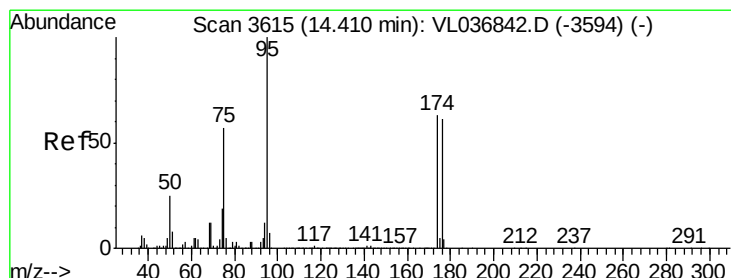
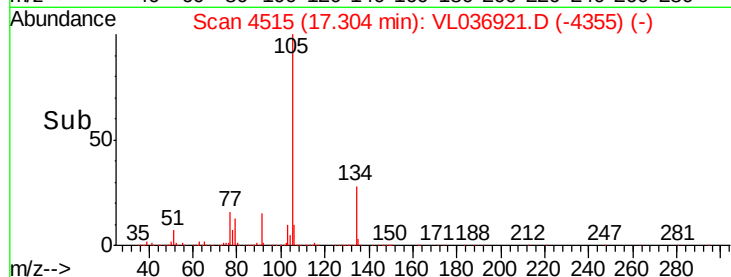
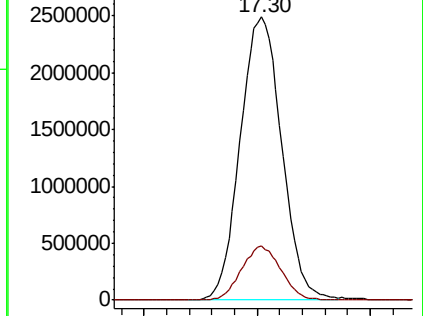
105 100

134 18.3 14.8 22.2



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: 8.202 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

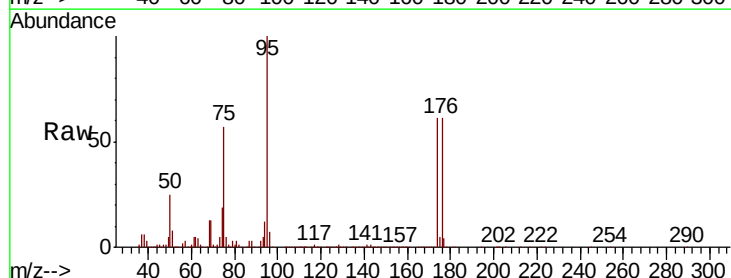
Tgt Ion: 95 Resp: 2663012

Ion Ratio Lower Upper

95 100

174 64.3 52.2 78.2

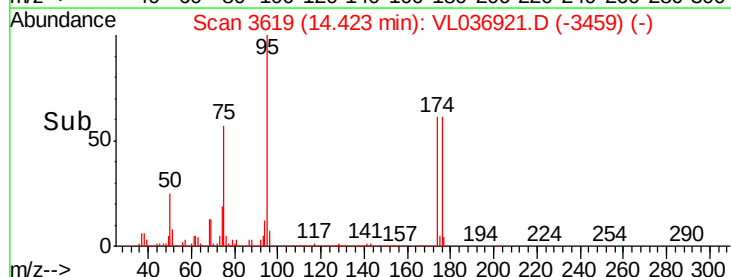
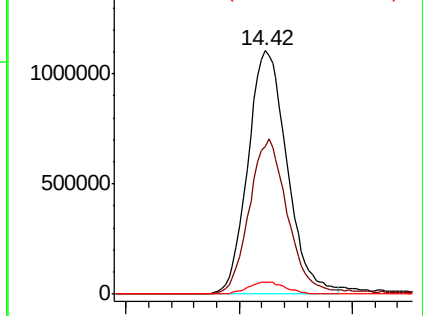
175 4.8 4.0 6.0

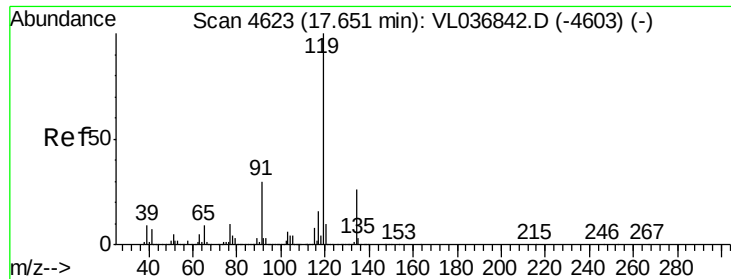


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

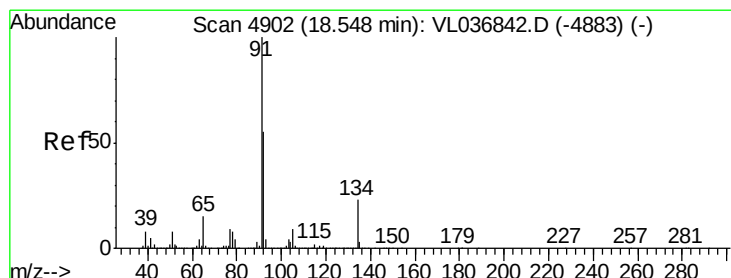
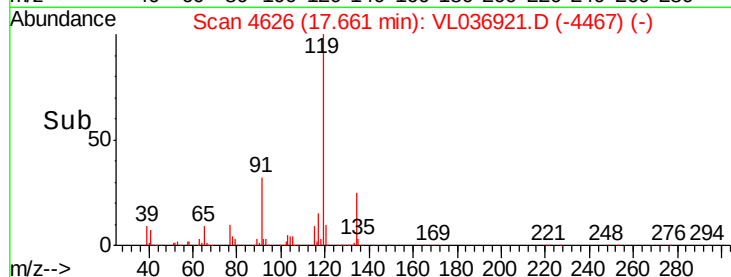
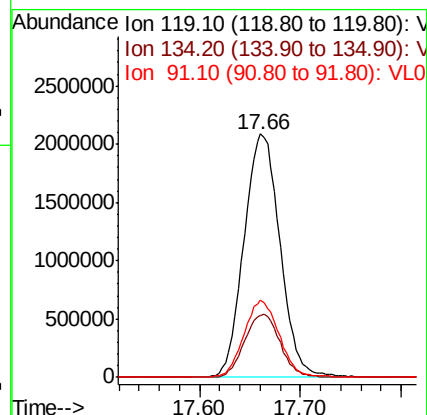
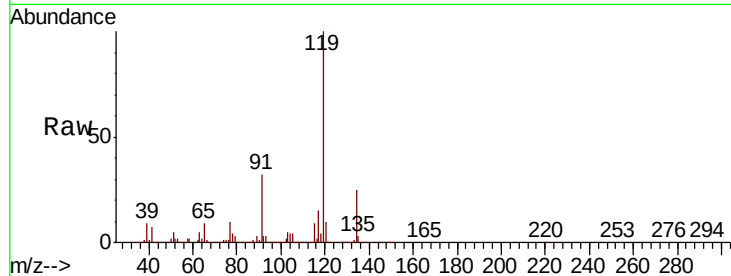




#69
 p-Isopropyltoluene
 Concen: 8.700 ppbv
 RT: 17.66 min Scan# 4626
 Delta R.T. 0.01 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

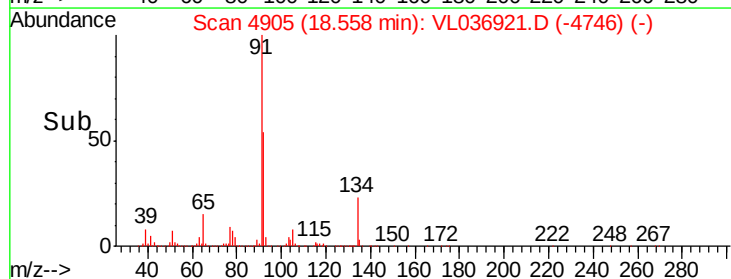
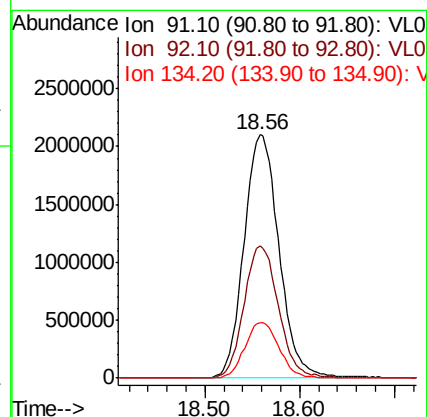
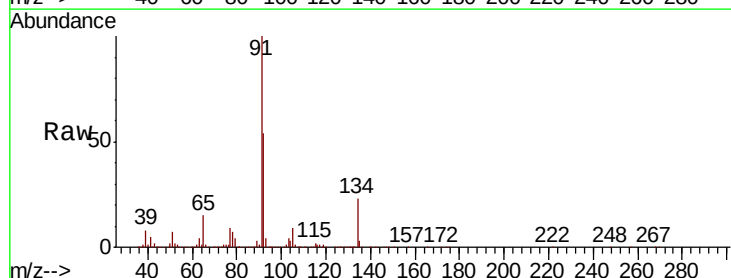
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

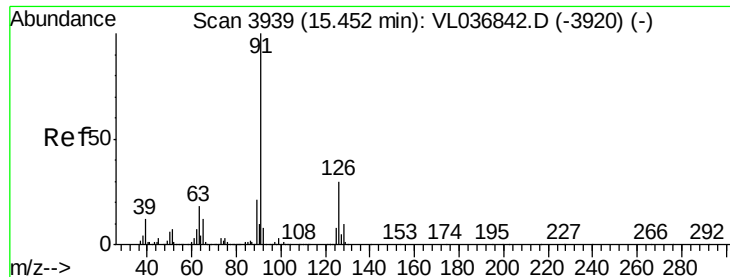
Tot Ion:119 Resp: 5165463
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.6 31.0
 91 30.9 24.2 36.4



#70
 n-Butylbenzene
 Concen: 9.000 ppbv
 RT: 18.56 min Scan# 4905
 Delta R.T. 0.01 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Tgt Ion: 91 Resp: 5385907
 Ion Ratio Lower Upper
 91 100
 92 54.1 43.5 65.3
 134 22.5 18.2 27.4





#71

2-Chlorotoluene

Concen: 8.963 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

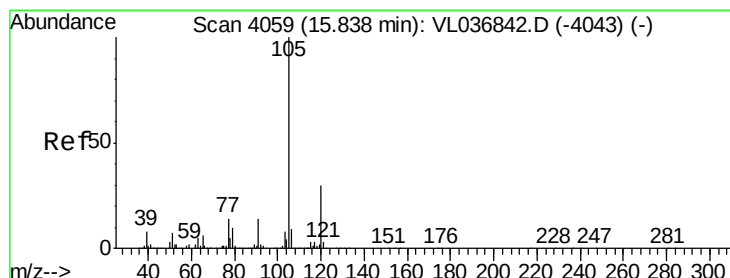
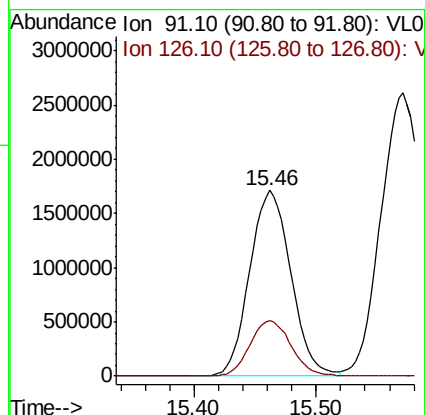
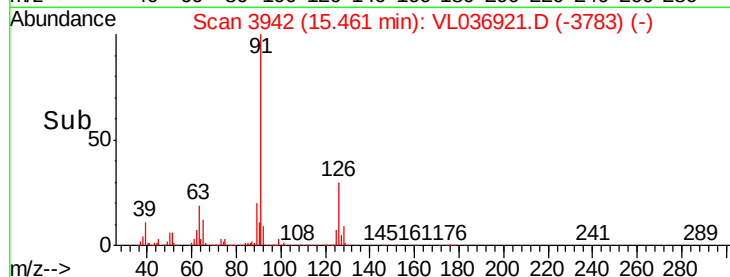
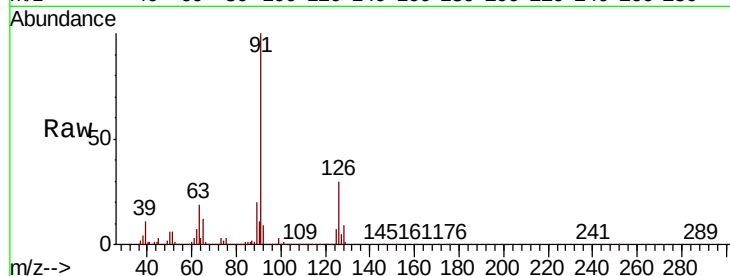
VL0507ABS01

Tot Ion: 91 Resp: 4004334

Ion Ratio Lower Upper

91 100

126 30.3 12.3 49.3



#72

4-Ethyltoluene

Concen: 9.258 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Tgt Ion: 105 Resp: 4405853

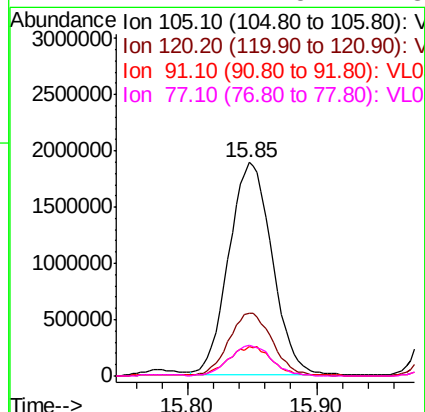
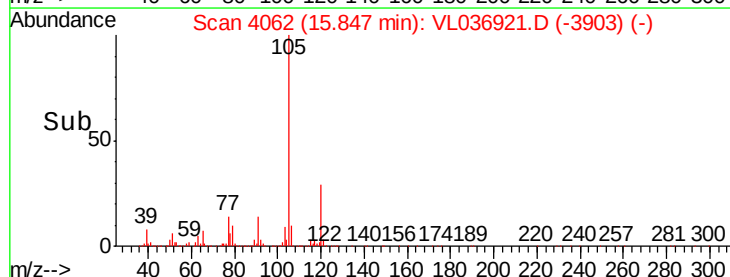
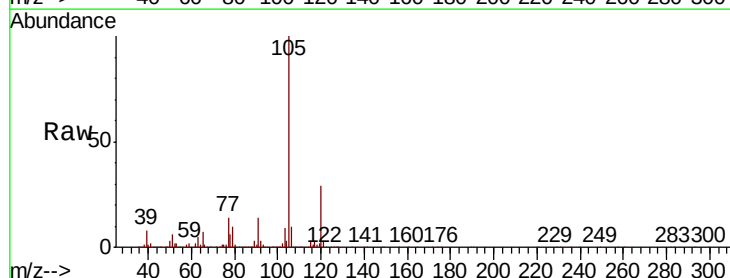
Ion Ratio Lower Upper

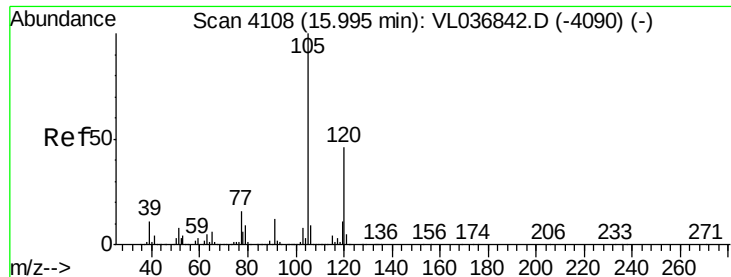
105 100

120 29.8 23.8 35.6

91 13.7 10.7 16.1

77 14.1 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 8.512 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

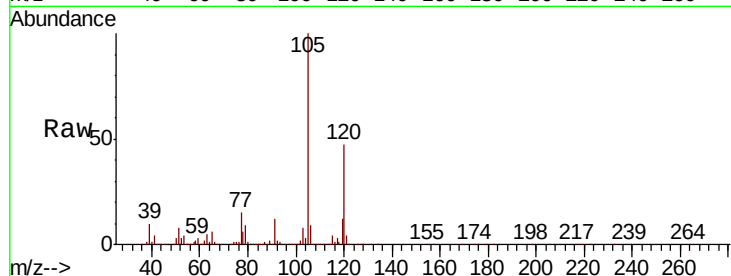
VL0507ABS01

Tot Ion:105 Resp: 3928413

Ion Ratio Lower Upper

105 100

120 47.2 36.8 55.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

500000

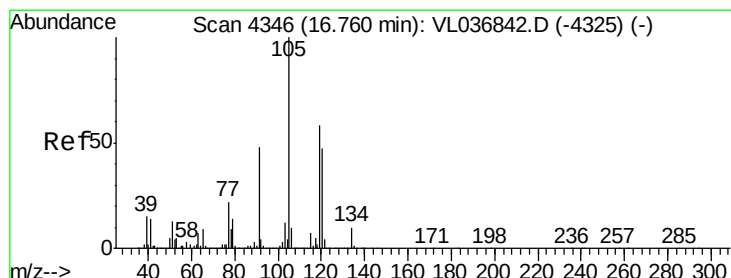
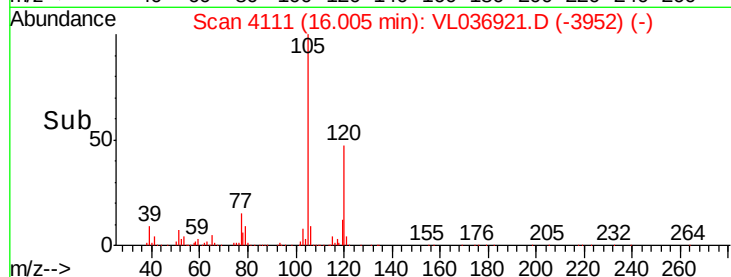
0

16.00

15.90

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.362 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Tgt Ion:105 Resp: 4099007

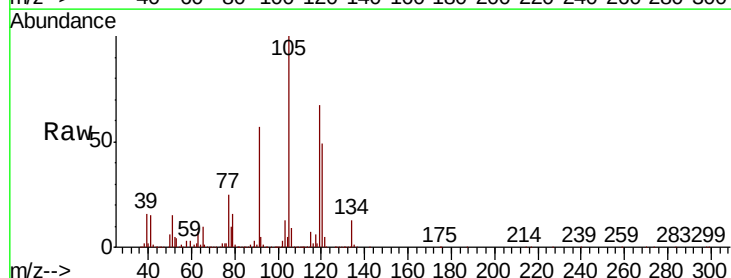
Ion Ratio Lower Upper

105 100

120 49.2 37.6 56.4

91 56.7 39.0 58.4

77 24.6 17.4 26.0



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

2500000

2000000

1500000

1000000

500000

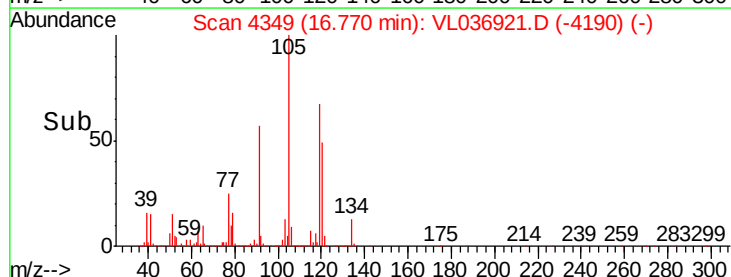
0

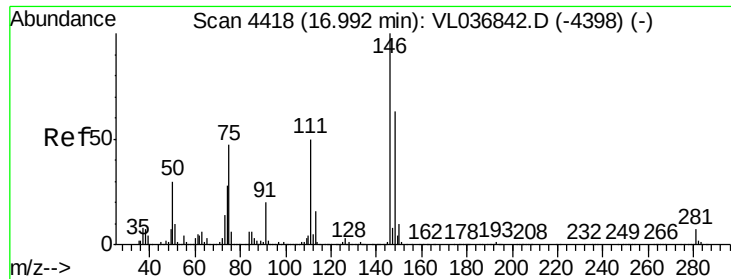
16.77

16.70

16.80

Time-->



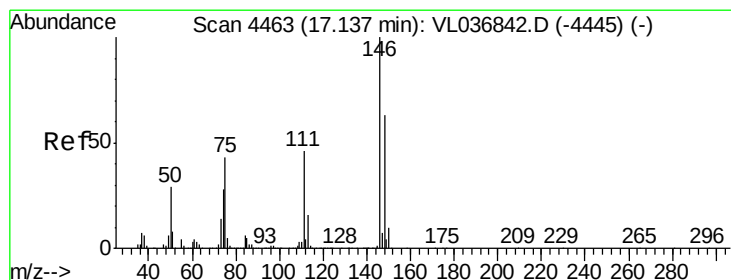
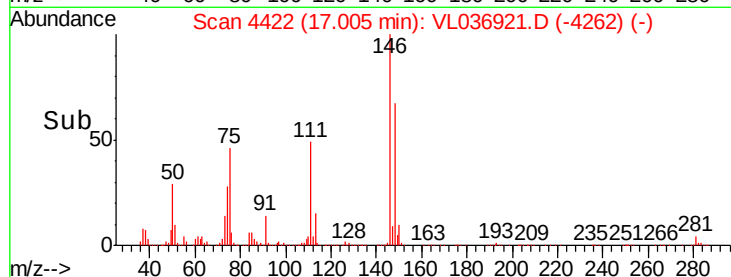
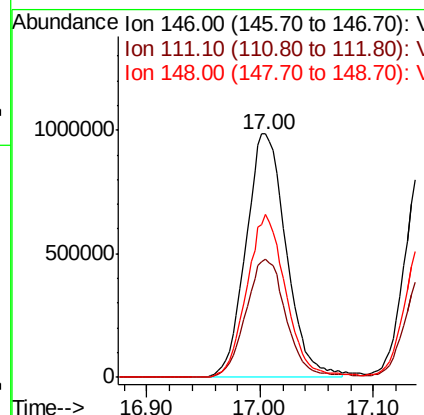
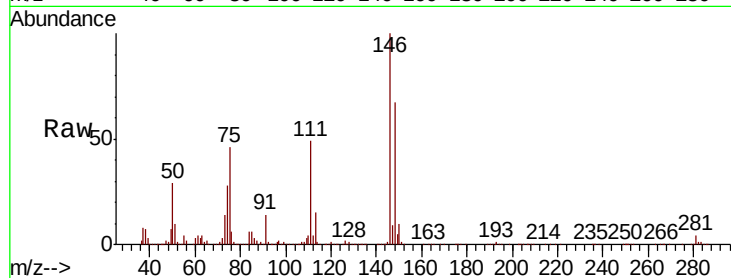


#75
 1,3-Dichlorobenzene
 Concen: 8.425 ppbv
 RT: 17.00 min Scan# 4422
 Delta R.T. 0.01 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion:146 Resp: 2441327

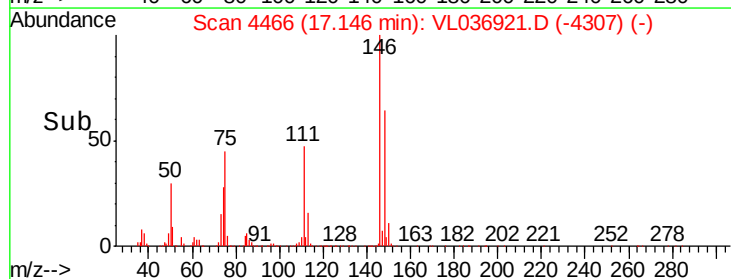
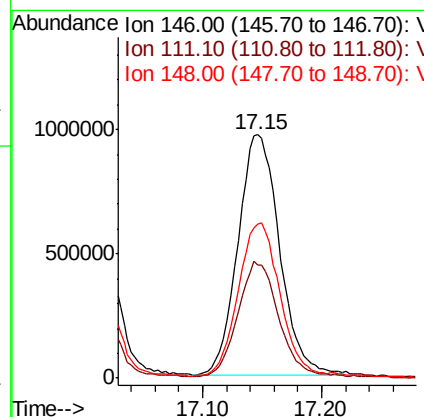
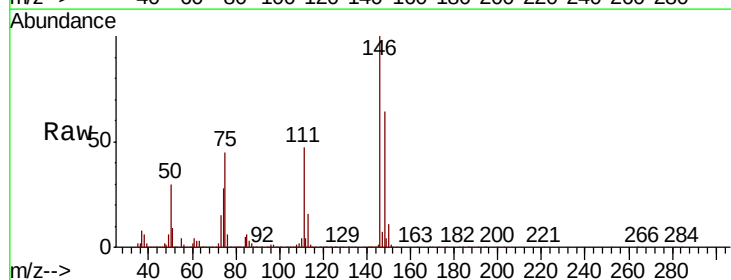
Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.2	72.6
148	64.9	32.1	96.3

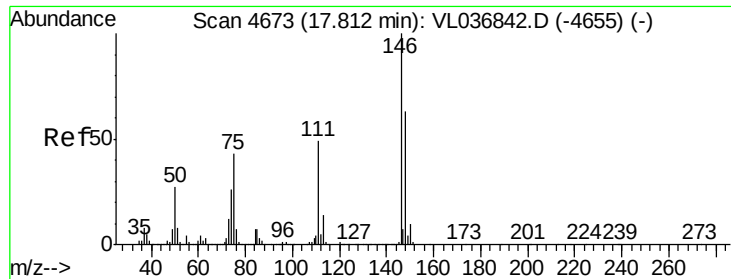


#76
 1,4-Dichlorobenzene
 Concen: 8.239 ppbv
 RT: 17.15 min Scan# 4466
 Delta R.T. 0.01 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Tgt Ion:146 Resp: 2336452

Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.3	72.8
148	66.8	32.4	97.0





#77

1,2-Dichlorobenzene

Concen: 8.439 ppbv

RT: 17.83 min Scan# 4678

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

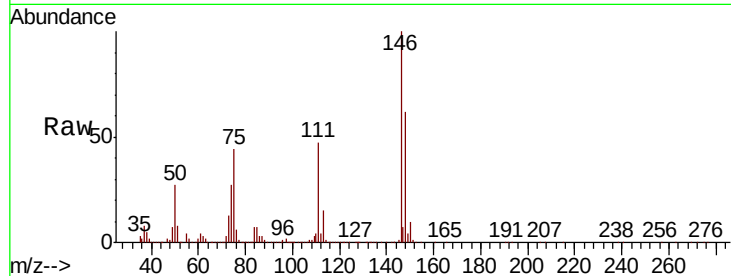
Tot Ion:146 Resp: 2388553

Ion Ratio Lower Upper

146 100

111 49.7 25.0 75.0

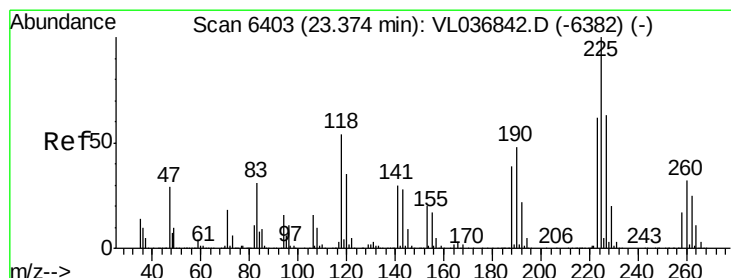
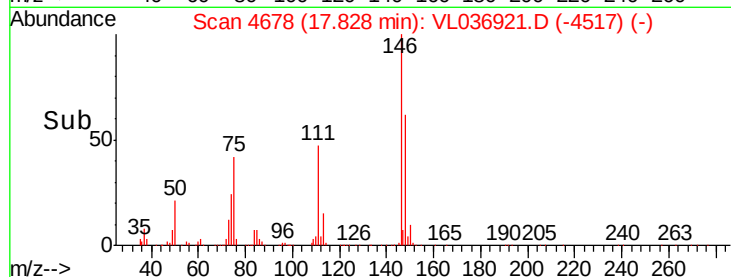
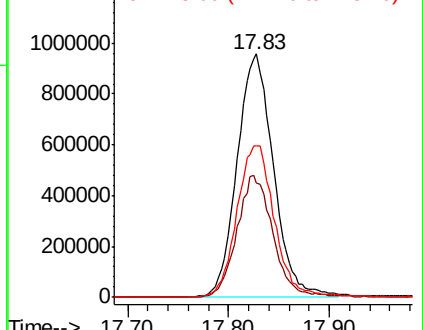
148 64.0 32.4 97.0



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: 7.735 ppbv

RT: 23.39 min Scan# 6407

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

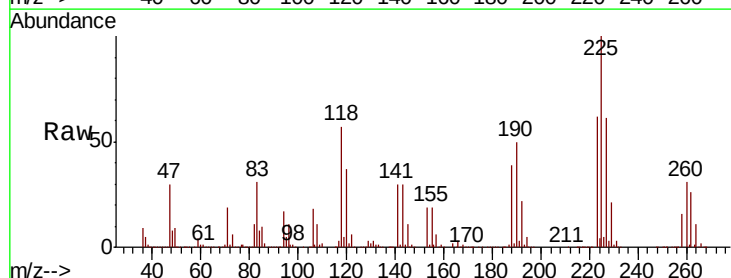
Tgt Ion:225 Resp: 1860327

Ion Ratio Lower Upper

225 100

223 63.7 51.2 76.8

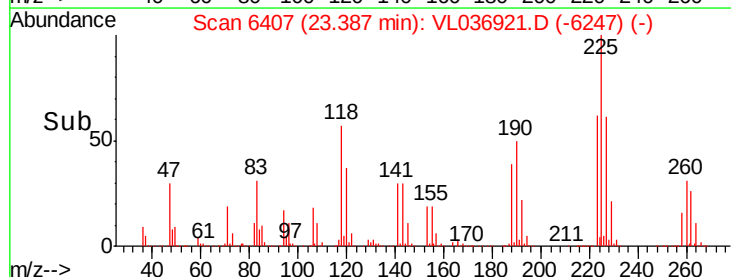
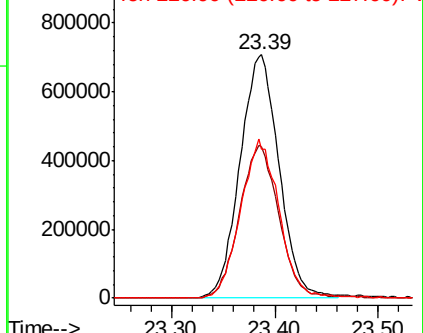
227 64.6 51.8 77.6

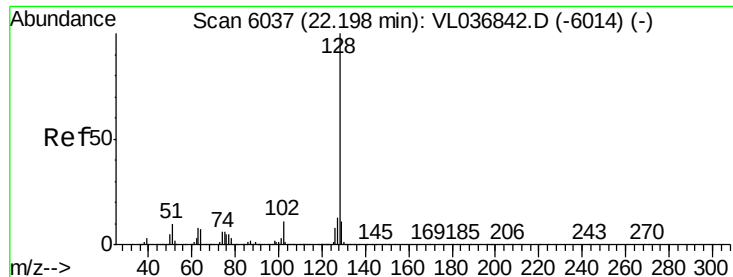


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.003 ppbv

RT: 22.21 min Scan# 6041

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

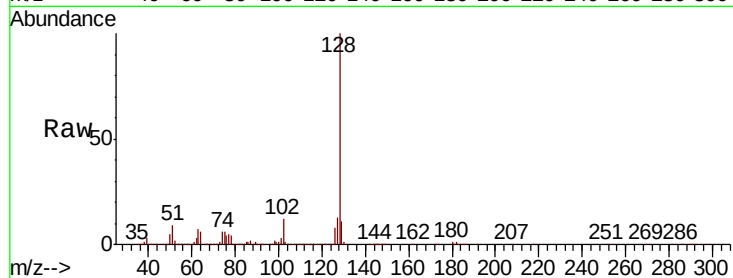
Tot Ion:128 Resp: 2746279

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

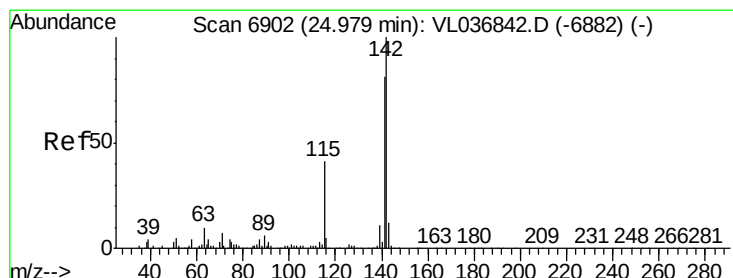
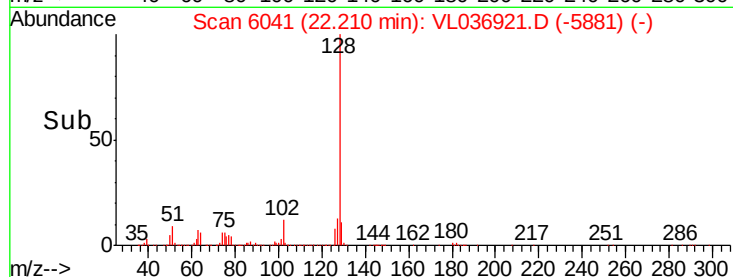
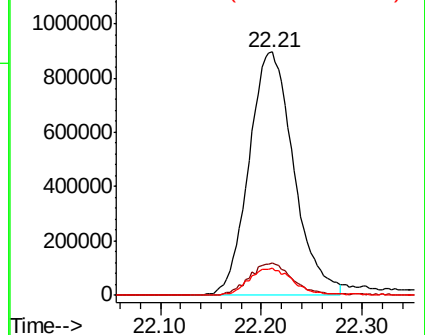
129 11.1 9.0 13.4



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: 8.544 ppbv

RT: 24.99 min Scan# 6904

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

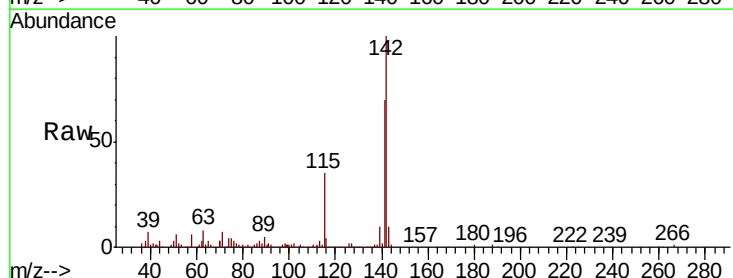
Tgt Ion:142 Resp: 258680

Ion Ratio Lower Upper

142 100

141 86.1 62.6 93.8

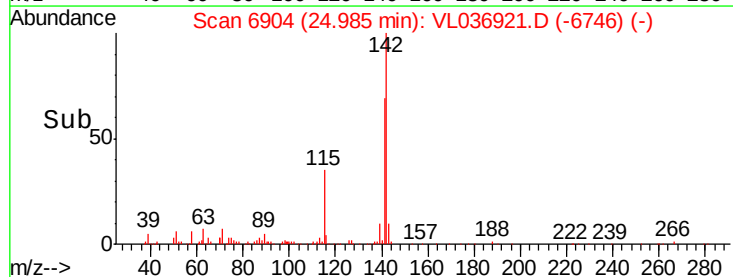
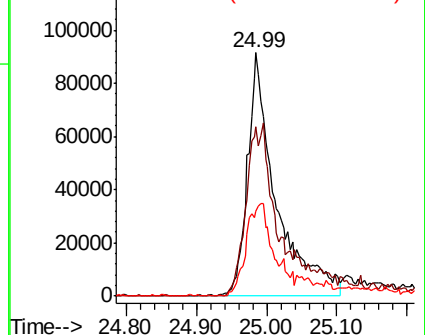
115 44.3 32.0 48.0

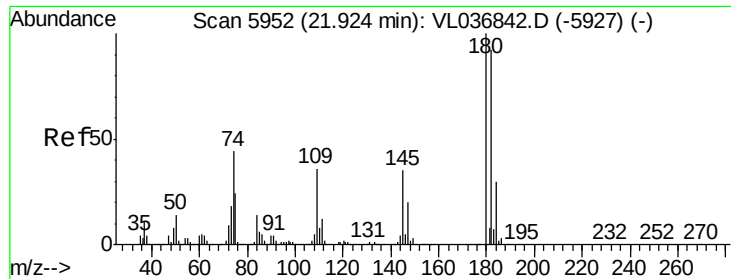


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 5.039 ppbv
 RT: 21.94 min Scan# 5956
 Delta R.T. 0.01 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion:180 Resp: 894835
 Ion Ratio Lower Upper
 180 100
 182 190.2 80.9 121.3#
 184 59.8 25.3 37.9#

