

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036920.D
 Acq On : 7 May 2021 15:32
 Operator : SY/AP
 Sample : VL0507ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Quant Time: May 08 04:16:52 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	1356064	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3386706	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	4022329	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2644647	8.19	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	2173428	10.177	ppbv	99
3) Chlorodifluoromethane	3.00	51	2608981	10.562	ppbv	99
4) Chloromethane	3.15	50	864535	10.649	ppbv	95
5) Vinyl Chloride	3.27	62	819493	10.007	ppbv	100
6) Bromomethane	3.48	94	434952	9.877	ppbv	93
7) Chloroethane	3.56	64	275925	10.253	ppbv	89
8) Dichlorotetrafluoroethane	3.20	85	2002761	10.281	ppbv	98
9) Propene	3.01	41	778180	10.339	ppbv	98
10) Heptane	8.13	43	1996943	10.549	ppbv	98
11) Trichlorofluoromethane	3.96	101	1938898	10.171	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1278138	10.018	ppbv	99
13) Ethanol	3.62	45	33759	3.517	ppbv #	34
14) Bromoethene	3.75	108	536733	10.297	ppbv	98
15) Acetone	3.86	43	1305632	10.215	ppbv	100
16) 1,3-Butadiene	3.34	39	859678	10.518	ppbv	96
17) tert-Butyl alcohol	4.30	59	984721	9.492	ppbv	97
18) 1,1-Dichloroethene	4.30	96	538178	9.706	ppbv	97
19) Isopropyl Alcohol	3.98	45	545696	8.617	ppbv	98
20) Methylene Chloride	4.35	84	495097	8.100	ppbv	97
21) Allyl Chloride	4.42	41	831745	8.758	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	525588	9.445	ppbv	97
23) Vinyl Acetate	5.08	43	2024943	11.647	ppbv #	98
24) 1,1-Dichloroethane	5.02	63	1503619	12.183	ppbv	98
25) Ethyl Acetate	5.69	43	2924452	9.367	ppbv	100
26) Hexane	5.70	57	1450356	9.929	ppbv	93
27) Carbon Disulfide	4.56	76	1367915	10.782	ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	1481029	11.439	ppbv	100
29) Chloroform	5.76	83	2332486	10.243	ppbv	99
30) Cyclohexane	7.14	84	1186312	10.241	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1360622	10.377	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2338089	10.097	ppbv	100
34) 2-Butanone	5.26	43	1347099	9.080	ppbv	97
35) Carbon Tetrachloride	7.03	117	2478266	10.784	ppbv	96
36) Benzene	6.90	78	2992104	10.486	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1684450	10.425	ppbv	99
38) Trichloroethene	7.85	130	1106878	10.895	ppbv	99
39) 1,2-Dichloropropane	7.63	63	1185576	10.371	ppbv	97
40) 1,4-Dioxane	7.85	88	267587	9.693	ppbv	87
41) Tetrahydrofuran	6.07	42	594022	9.153	ppbv	100
42) Bromodichloromethane	7.80	83	2502912	11.148	ppbv	99
43) Methyl Methacrylate	8.02	69	1099592	11.810	ppbv	97

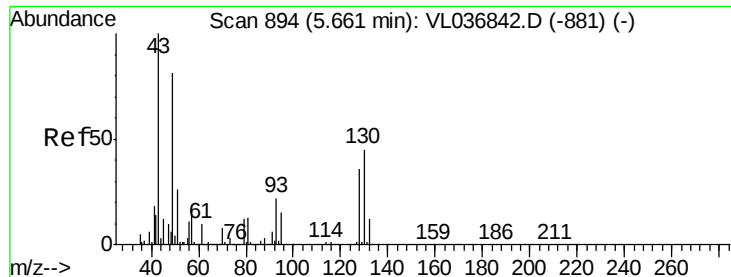
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5140522	10.512	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	759976	7.572	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1060105	8.237	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1256078	10.613	ppbv	97
48) Dibromochloromethane	10.31	129	2050920	11.694	ppbv	98
49) Bromoform	13.05	173	1729481	12.353	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2113292	10.422	ppbv	99
51) 2-Hexanone	10.15	43	1066374	10.543	ppbv #	100
52) Tetrachloroethene	11.23	164	1015087	10.447	ppbv	98
53) Toluene	9.82	91	3371291	11.291	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1757709	10.519	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1453900	8.622	ppbv #	63
57) Chlorobenzene	12.16	112	2578463	8.230	ppbv	99
58) Ethyl Benzene	12.72	91	4569970	8.958	ppbv	98
59) m/p-Xylene	13.00	91	4153473	9.109	ppbv #	39
60) o-Xylene	13.70	91	3764929	8.539	ppbv	100
61) Styrene	13.54	104	1950819	9.422	ppbv	100
62) Isopropylbenzene	14.68	105	5131007	8.554	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2884843	8.162	ppbv	100
64) n-propylbenzene	15.57	120	1360620	9.101	ppbv	99
65) tert-Butylbenzene	16.75	119	4509734	8.503	ppbv	99
66) Benzyl Chloride	17.00	91	221053	4.263	ppbv #	81
67) sec-Butylbenzene	17.30	105	6350644	8.623	ppbv	100
69) p-Isopropyltoluene	17.66	119	5199737	8.807	ppbv	99
70) n-Butylbenzene	18.56	91	5464621	9.182	ppbv	99
71) 2-Chlorotoluene	15.46	91	4025700	9.061	ppbv	99
72) 4-Ethyltoluene	15.85	105	4432231	9.366	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3921879	8.545	ppbv	96
74) 1,2,4-Trimethylbenzene	16.77	105	4140189	8.493	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	2469688	8.570	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2352362	8.341	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2363067	8.395	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1836801	7.680	ppbv	99
79) Naphthalene	22.21	128	2723695	9.976	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	229140	7.611	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	1646679	9.324	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.02 min

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VL0507ABS01

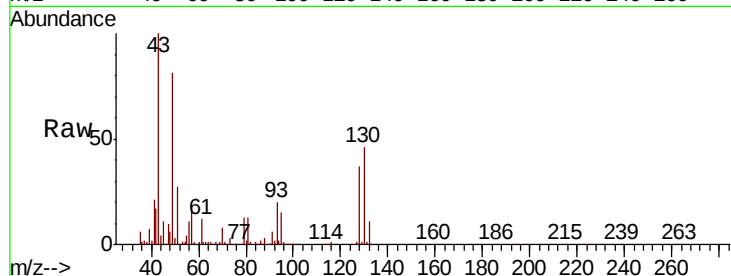
Tot Ion: 49 Resp: 1356064

Ion Ratio Lower Upper

49 100

128 49.7 24.4 73.2

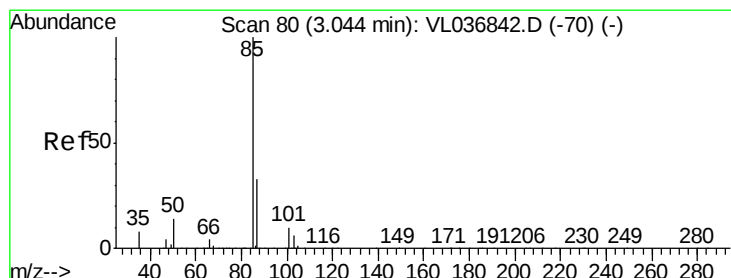
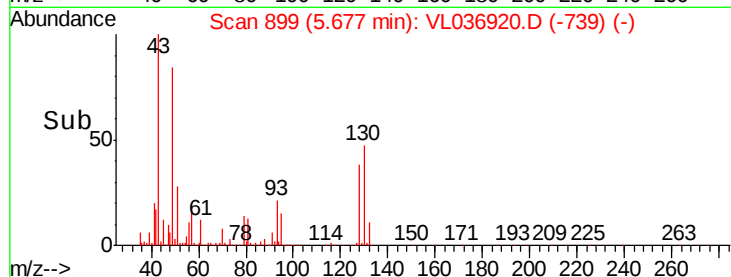
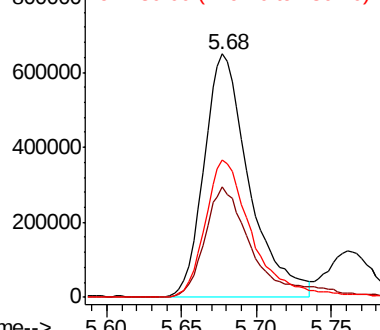
130 60.1 30.3 90.8



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: 10.177 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL036920.D

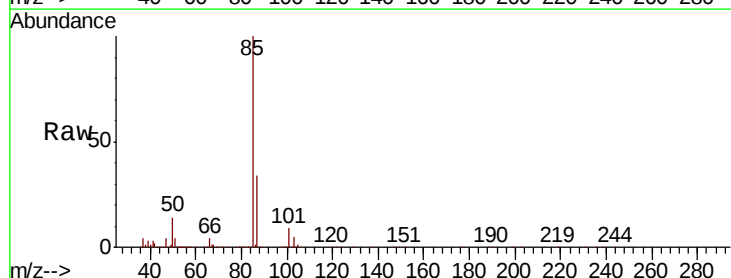
Acq: 7 May 2021 15:32

Tgt Ion: 85 Resp: 2173428

Ion Ratio Lower Upper

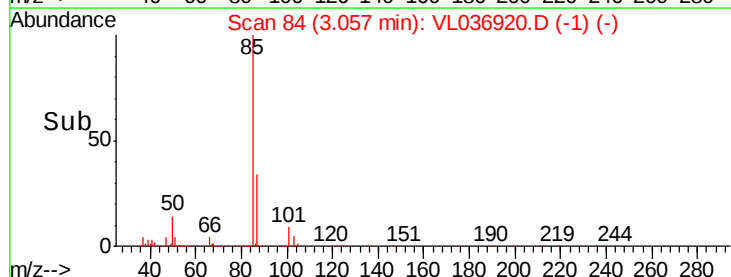
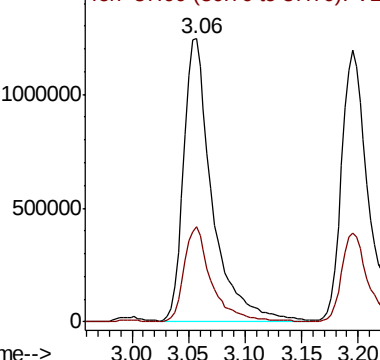
85 100

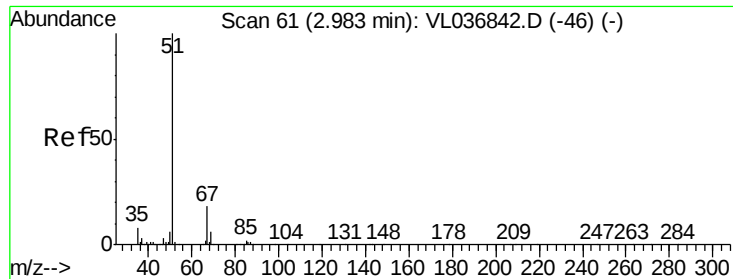
87 33.5 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

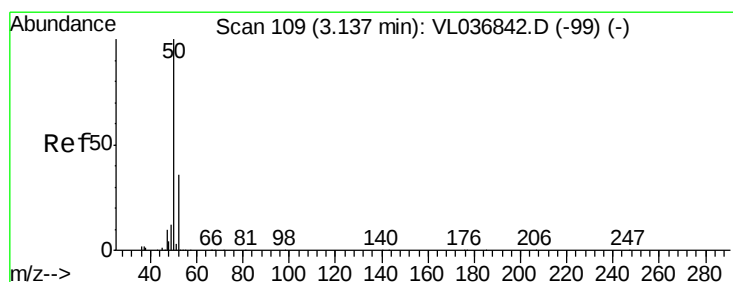
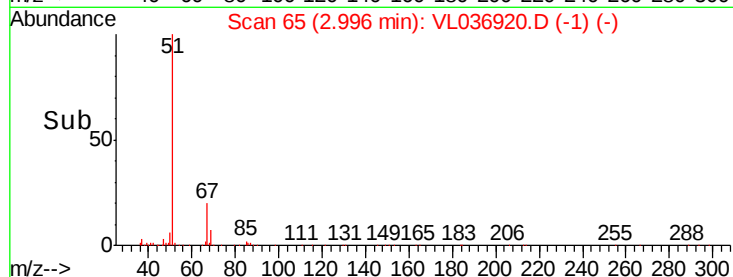
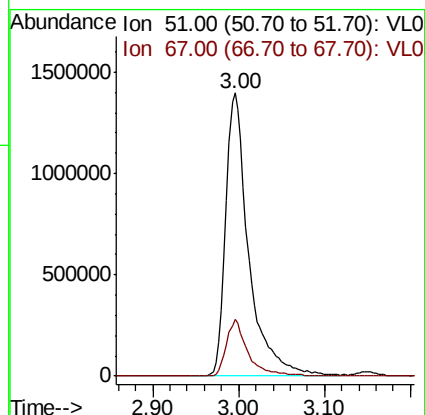
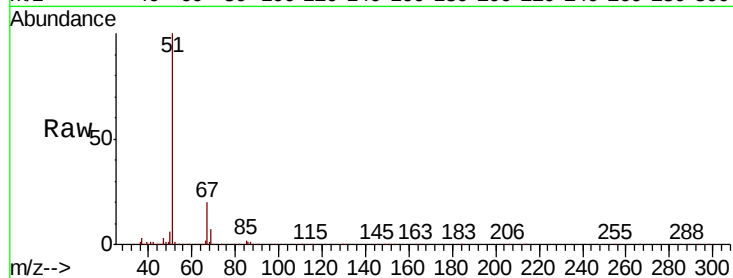




#3
Chlorodifluoromethane
Concen: 10.562 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

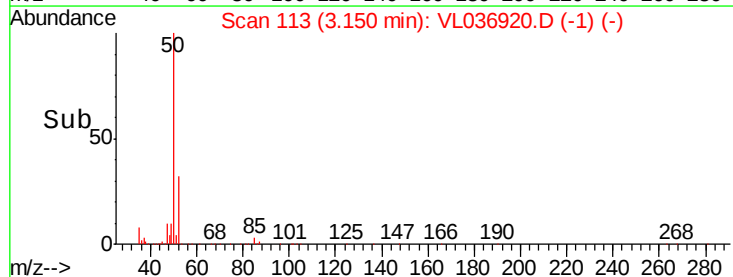
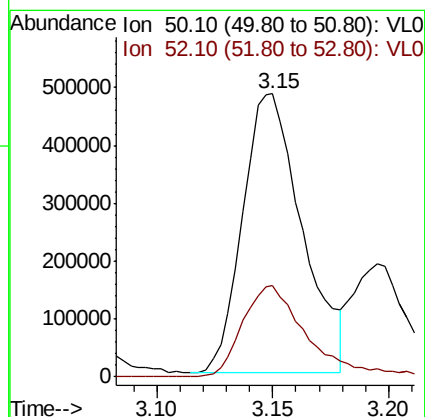
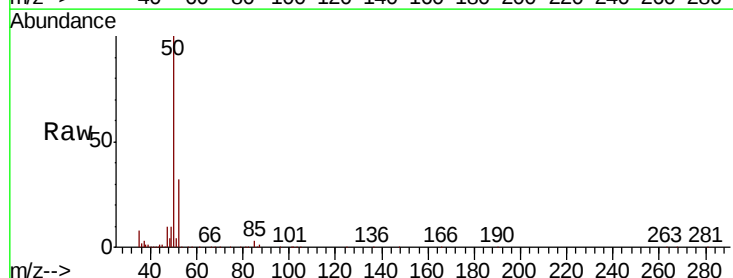
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

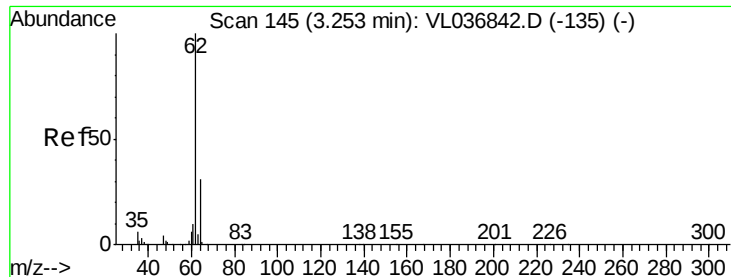
Tot Ion: 51 Resp: 2608981
Ion Ratio Lower Upper
51 100
67 18.8 14.8 22.2



#4
Chloromethane
Concen: 10.649 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion: 50 Resp: 864535
Ion Ratio Lower Upper
50 100
52 32.6 28.5 42.7





#5

Vinyl Chloride

Concen: 10.007 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

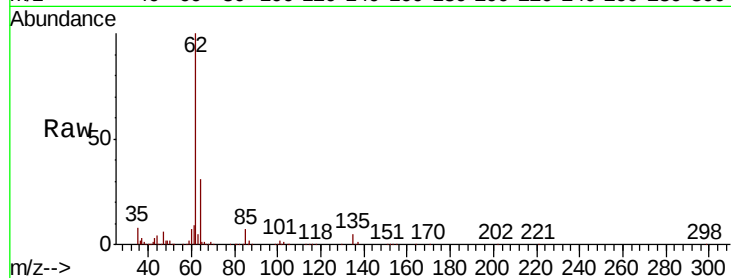
VL0507ABS01

Tot Ion: 62 Resp: 819493

Ion Ratio Lower Upper

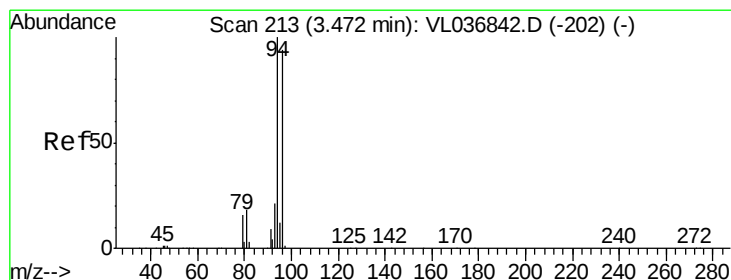
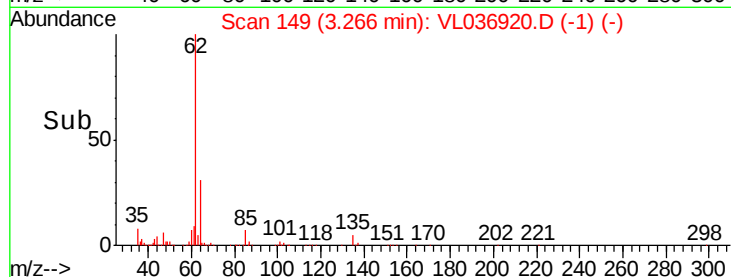
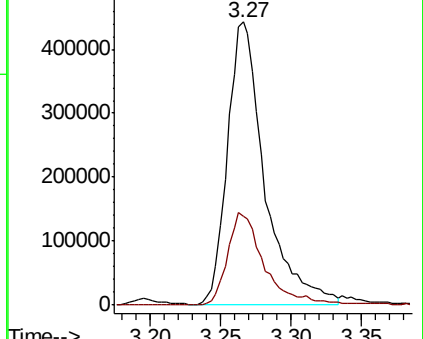
62 100

64 31.4 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: 9.877 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL036920.D

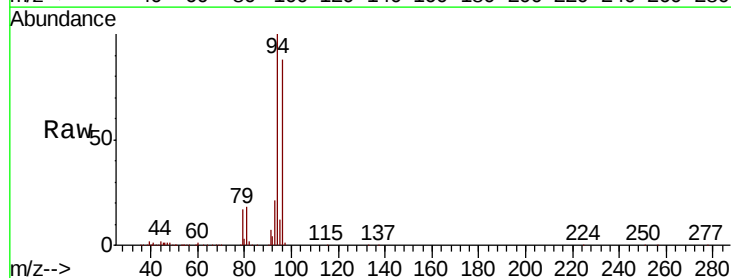
Acq: 7 May 2021 15:32

Tgt Ion: 94 Resp: 434952

Ion Ratio Lower Upper

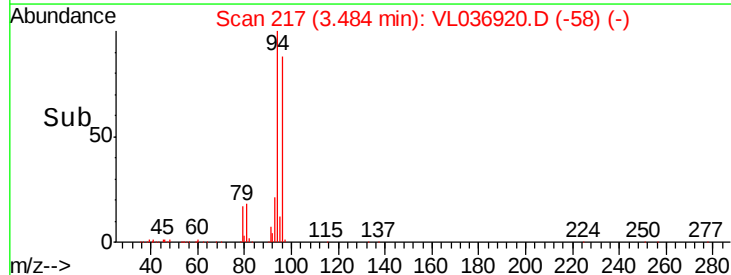
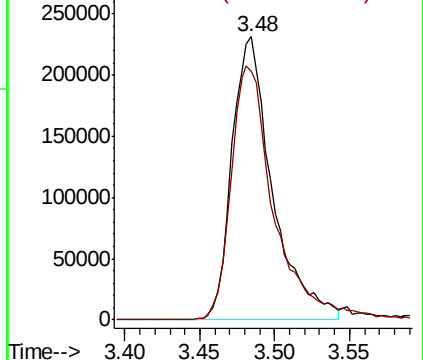
94 100

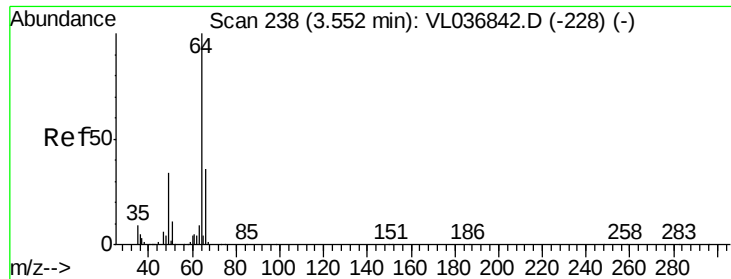
96 87.7 75.4 113.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.253 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

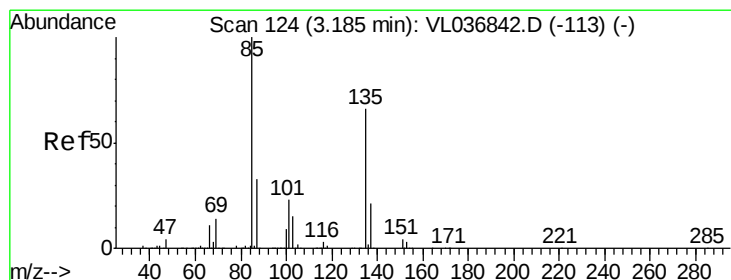
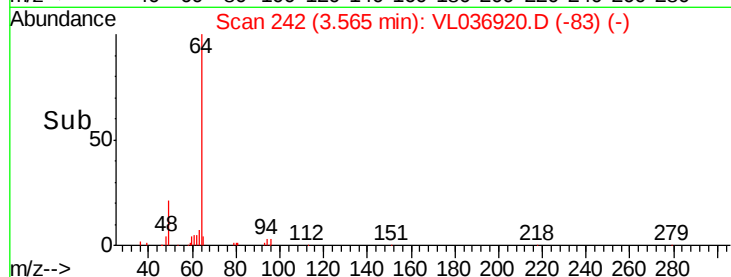
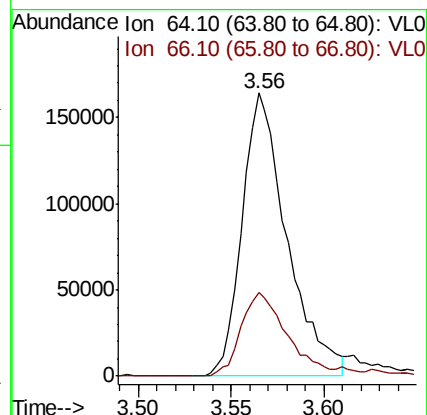
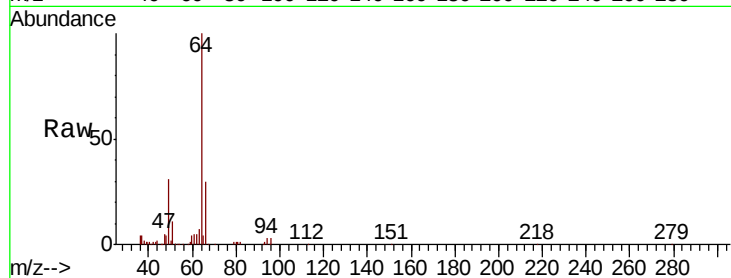
VL0507ABS01

Tot Ion: 64 Resp: 275925

Ion Ratio Lower Upper

64 100

66 29.7 29.0 43.6



#8

Dichlorotetrafluoroethane

Concen: 10.281 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036920.D

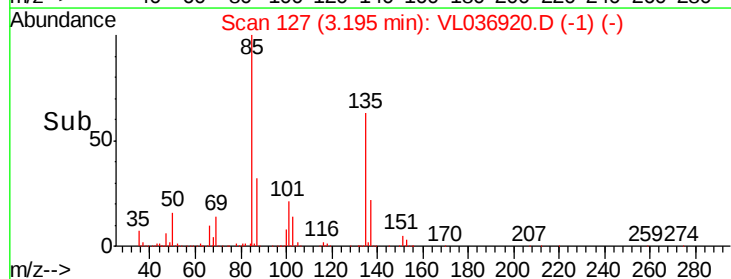
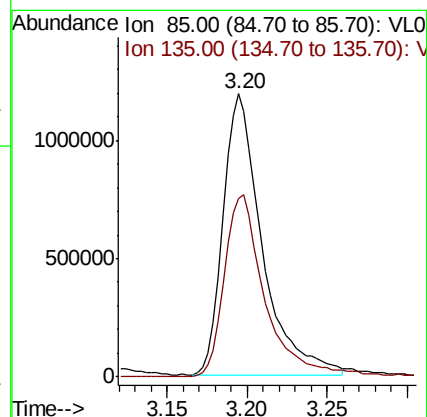
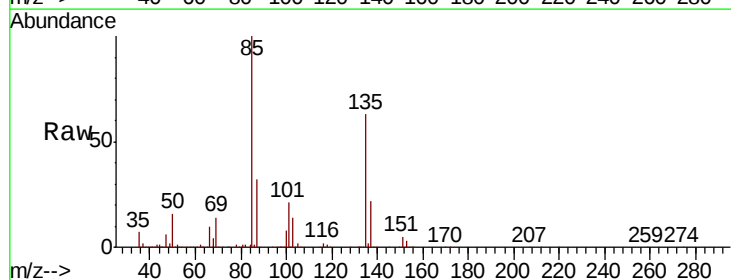
Acq: 7 May 2021 15:32

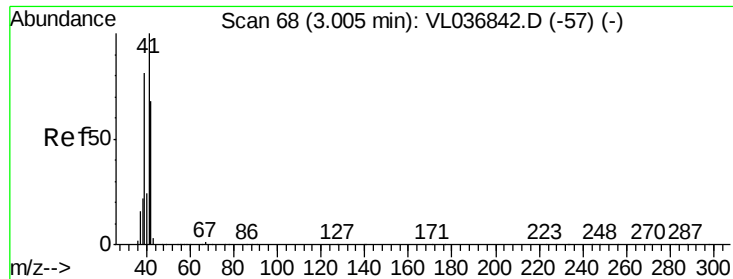
Tgt Ion: 85 Resp: 2002761

Ion Ratio Lower Upper

85 100

135 68.4 56.2 84.4





#9

Propene

Concen: 10.339 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036920.D

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ClientSampleId :

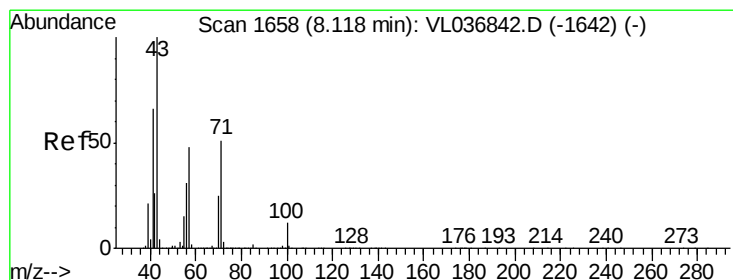
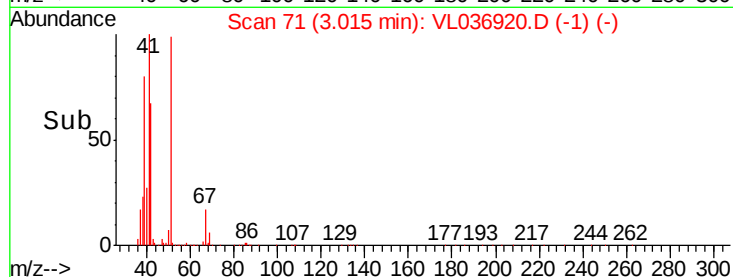
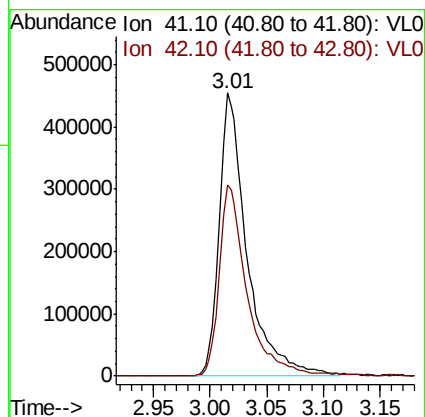
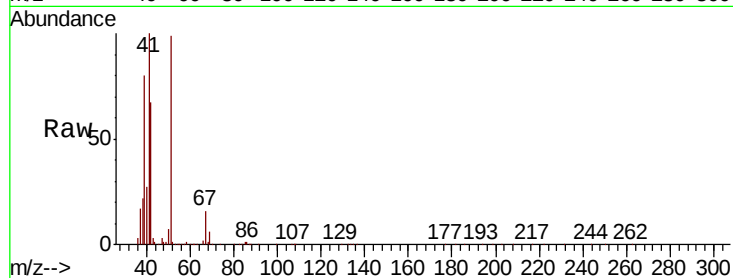
VL0507ABS01

Tot Ion: 41 Resp: 778180

Ion Ratio Lower Upper

41 100

42 68.1 56.0 84.0



#10

Heptane

Concen: 10.549 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.02 min

Lab File: VL036920.D

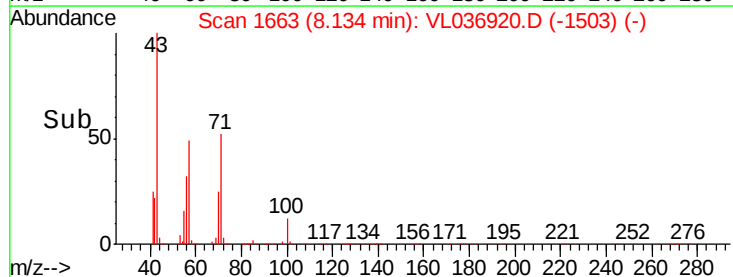
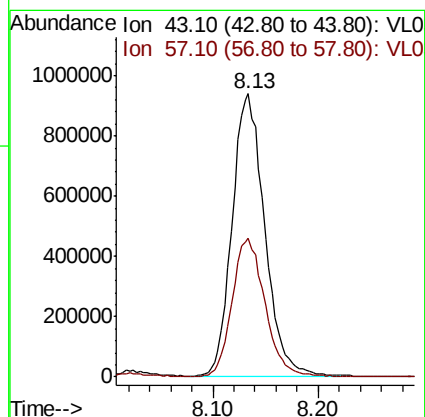
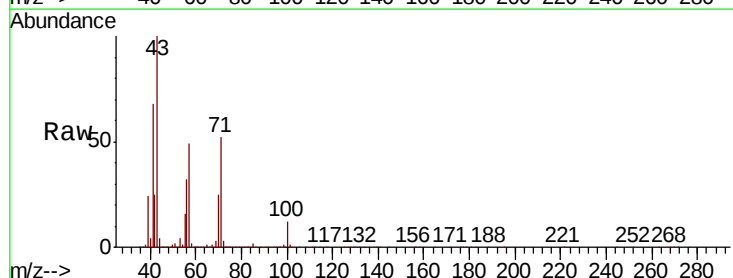
Acq: 7 May 2021 15:32

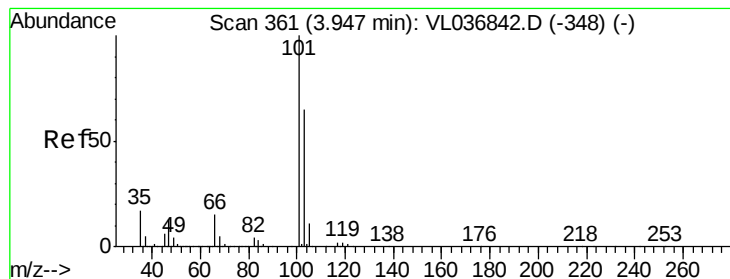
Tgt Ion: 43 Resp: 1996943

Ion Ratio Lower Upper

43 100

57 50.0 38.8 58.2





#11

Trichlorofluoromethane

Concen: 10.171 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

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ClientSampleId :

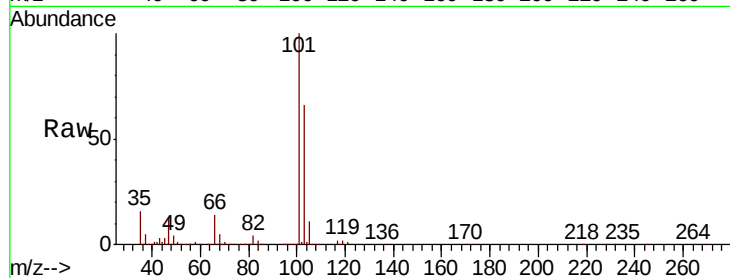
VL0507ABS01

Tot Ion:101 Resp: 1938898

Ion Ratio Lower Upper

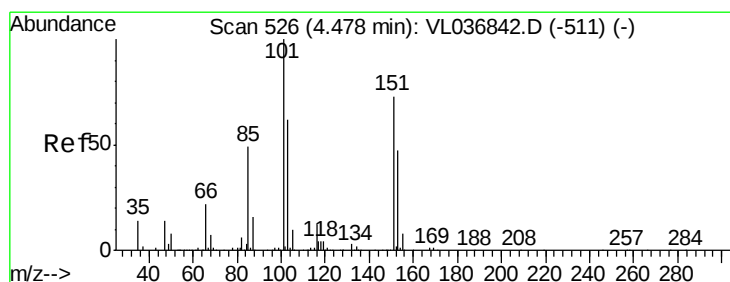
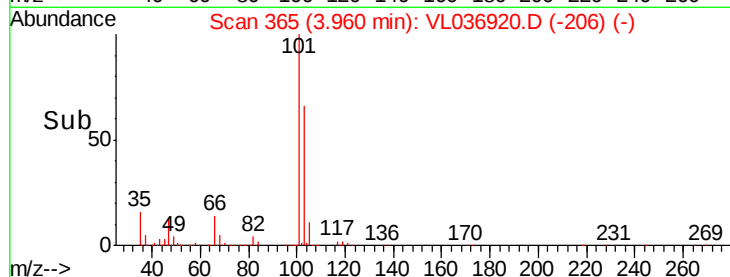
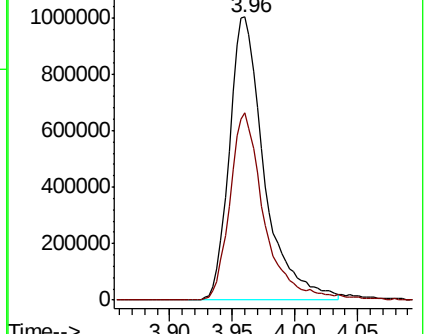
101 100

103 66.2 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: 10.018 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.02 min

Lab File: VL036920.D

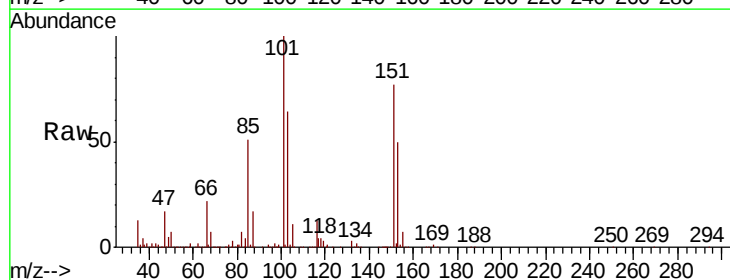
Acq: 7 May 2021 15:32

Tgt Ion:101 Resp: 1278138

Ion Ratio Lower Upper

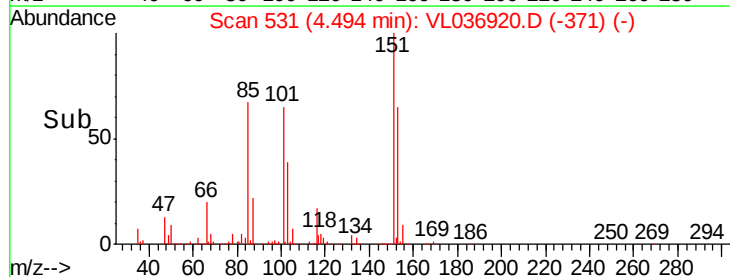
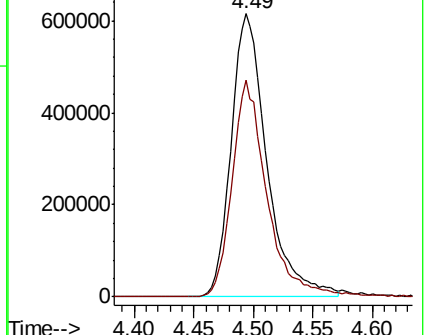
101 100

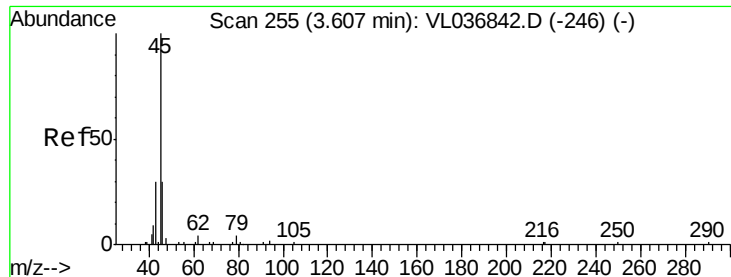
151 75.1 61.1 91.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 3.517 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

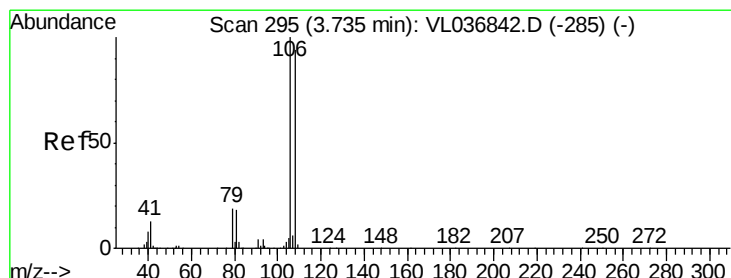
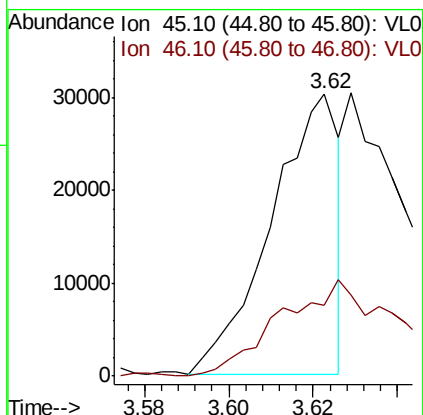
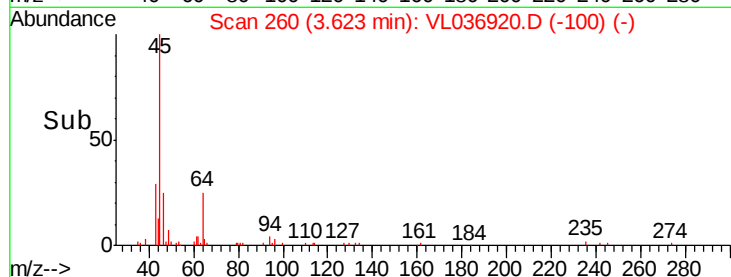
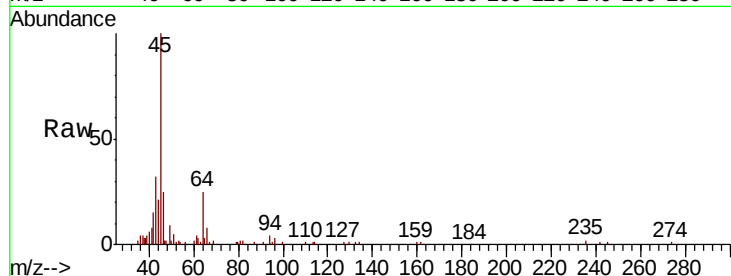
VL0507ABS01

Tot Ion: 45 Resp: 33759

Ion Ratio Lower Upper

45 100

46 0.0 16.8 67.4#



#14

Bromoethene

Concen: 10.297 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

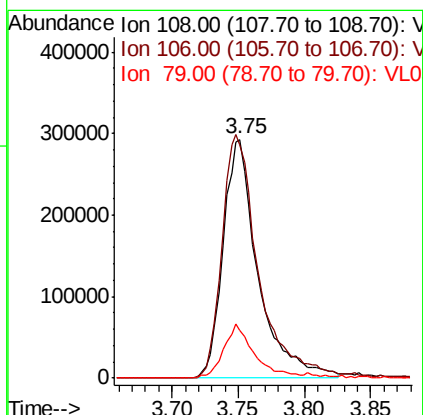
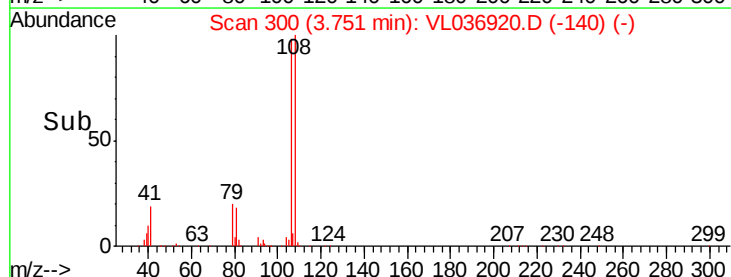
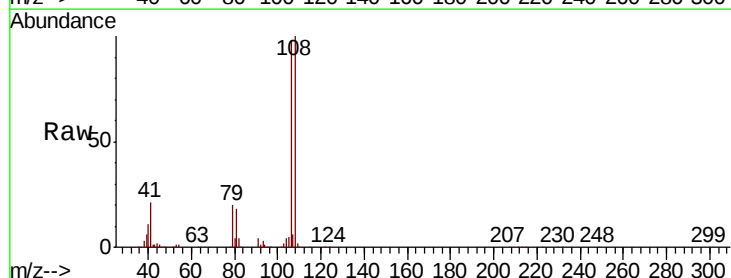
Tgt Ion: 108 Resp: 536733

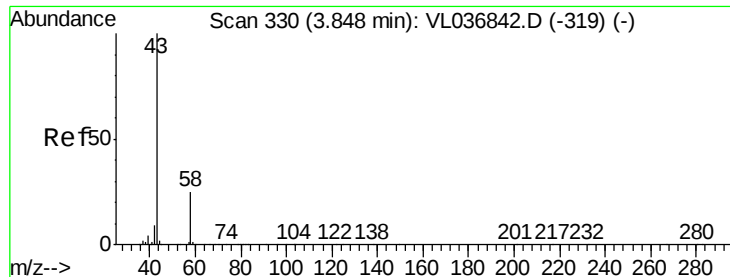
Ion Ratio Lower Upper

108 100

106 108.9 88.5 132.7

79 21.8 17.9 26.9





#15

Acetone

Concen: 10.215 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

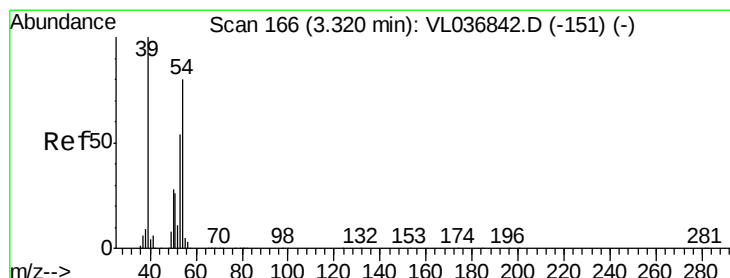
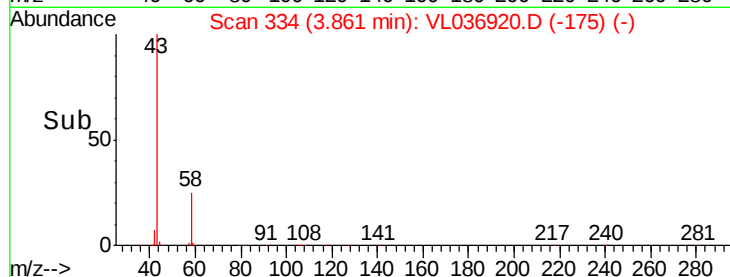
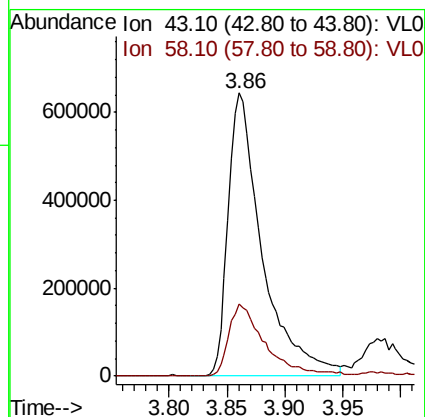
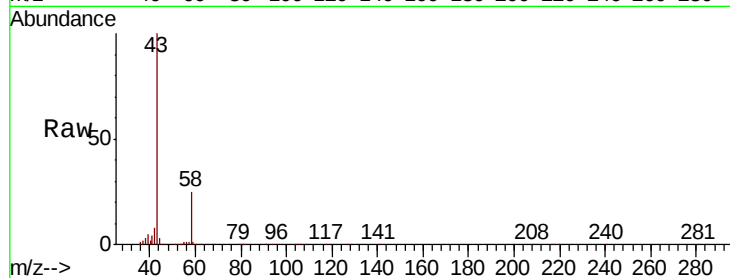
VL0507ABS01

Tot Ion: 43 Resp: 1305632

Ion Ratio Lower Upper

43 100

58 27.3 21.7 32.5



#16

1,3-Butadiene

Concen: 10.518 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.02 min

Lab File: VL036920.D

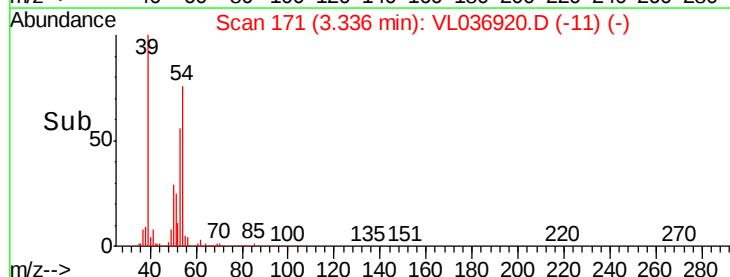
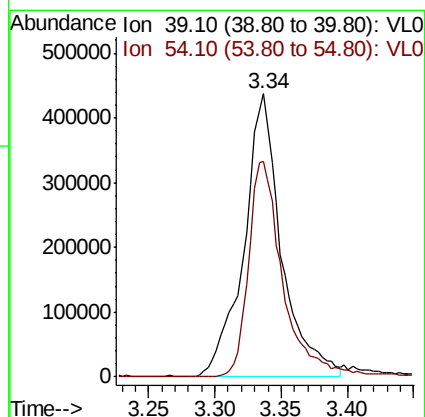
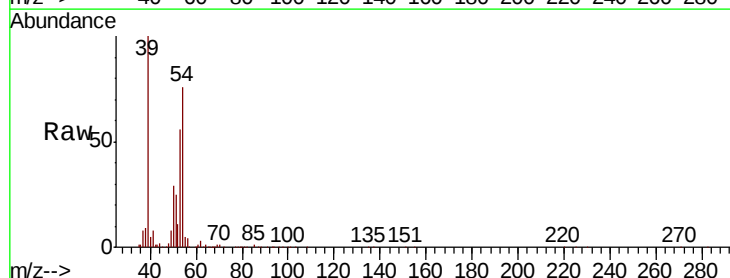
Acq: 7 May 2021 15:32

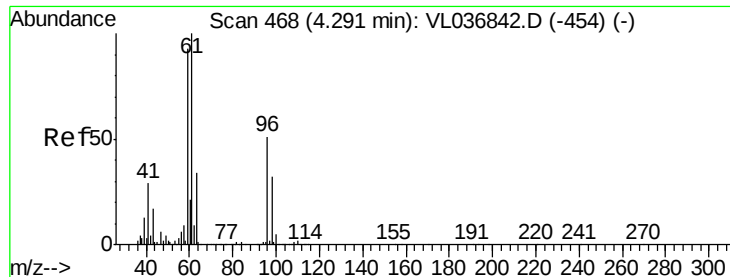
Tgt Ion: 39 Resp: 859678

Ion Ratio Lower Upper

39 100

54 70.8 59.6 89.4



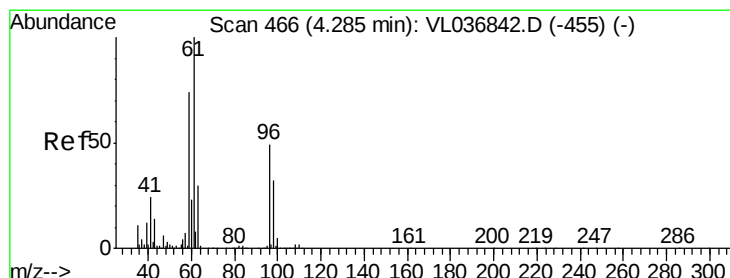
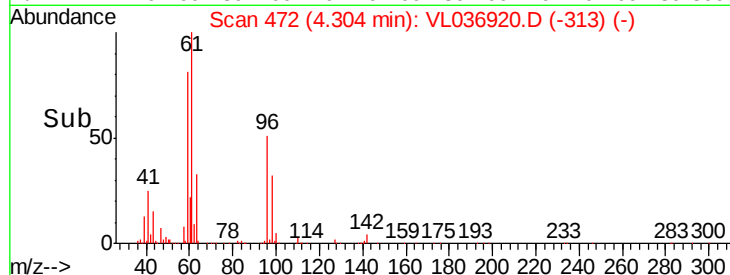
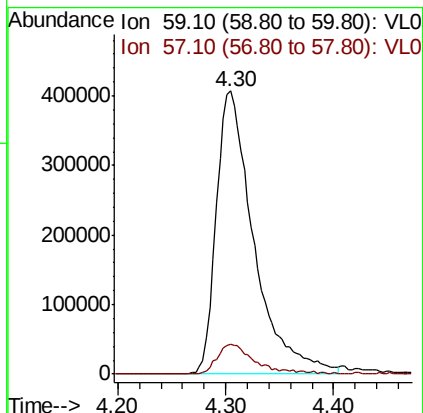
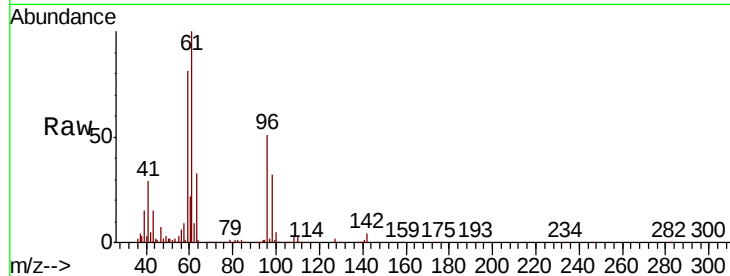


#17

tert-Butyl alcohol
Concen: 9.492 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

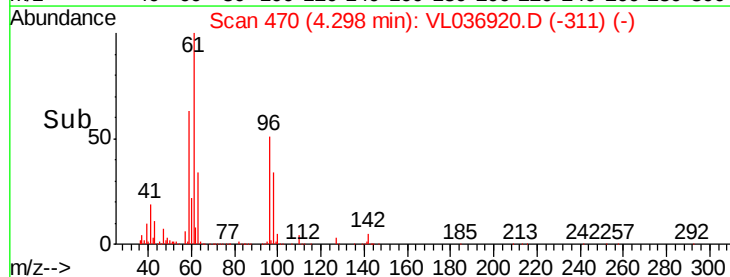
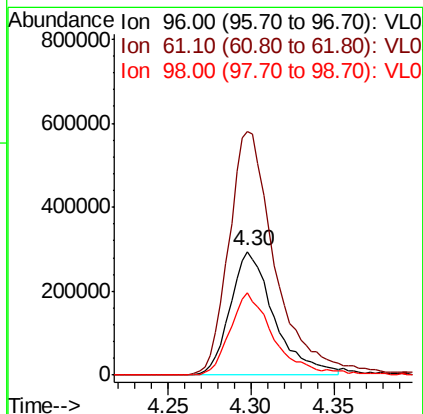
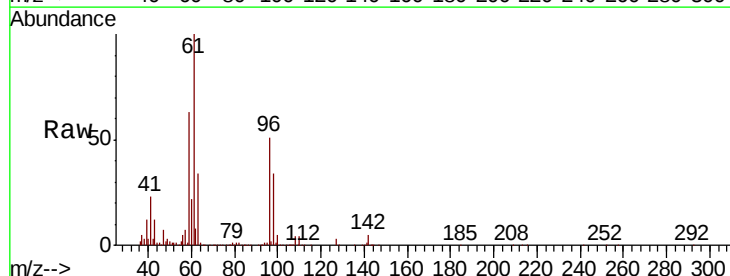
Tot Ion: 59 Resp: 984721
Ion Ratio Lower Upper
59 100
57 11.6 8.3 12.5

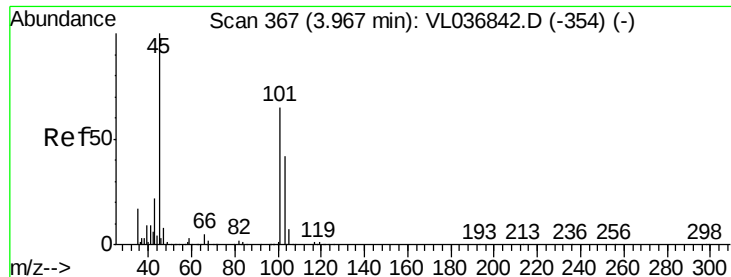


#18

1,1-Dichloroethene
Concen: 9.706 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion: 96 Resp: 538178
Ion Ratio Lower Upper
96 100
61 197.2 162.2 243.2
98 66.7 51.8 77.6



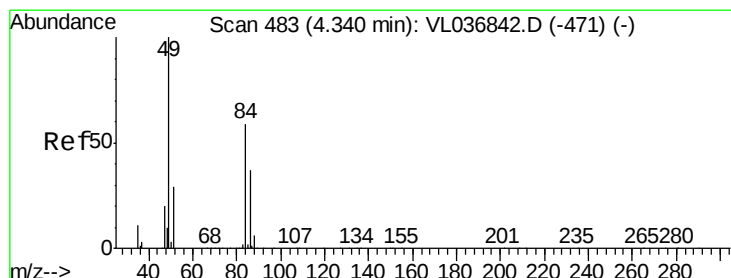
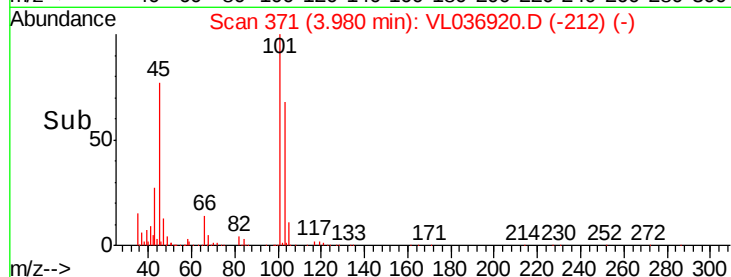
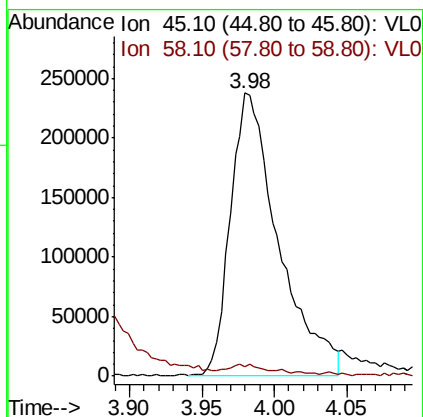
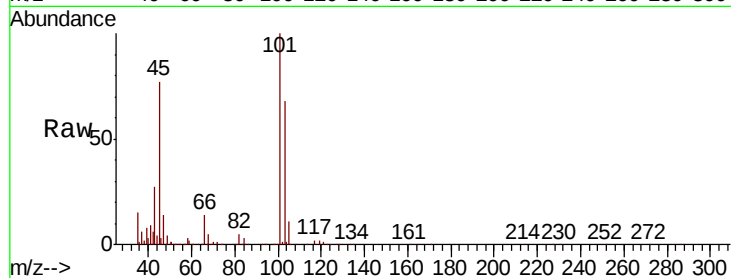


#19

Isopropyl Alcohol
 Concen: 8.617 ppbv
 RT: 3.98 min Scan# 371
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

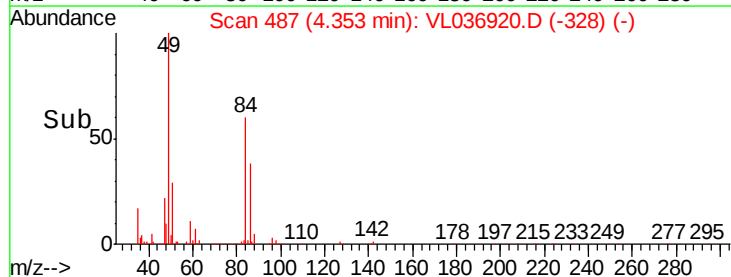
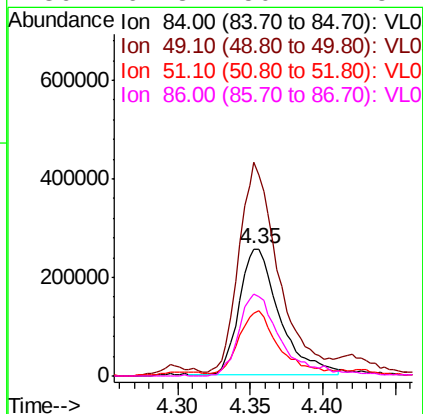
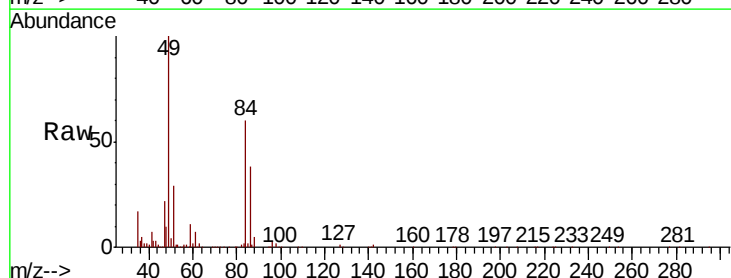
Tot Ion: 45 Resp: 545696
 Ion Ratio Lower Upper
 45 100
 58 4.0 2.8 4.2

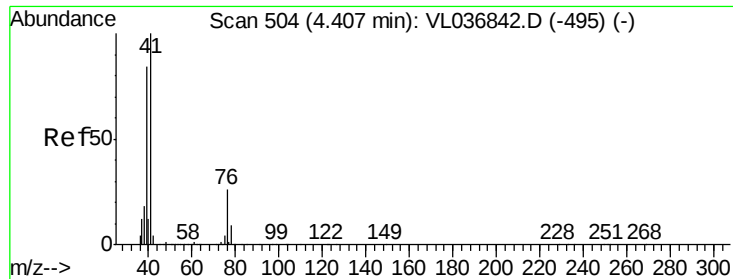


#20

Methylene Chloride
 Concen: 8.100 ppbv
 RT: 4.35 min Scan# 487
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Tgt Ion: 84 Resp: 495097
 Ion Ratio Lower Upper
 84 100
 49 164.3 135.4 203.0
 51 46.1 39.3 58.9
 86 64.3 50.2 75.2

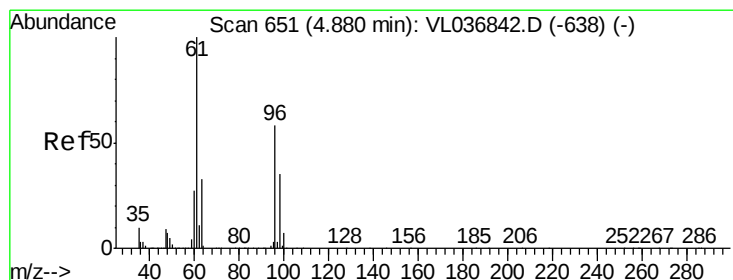
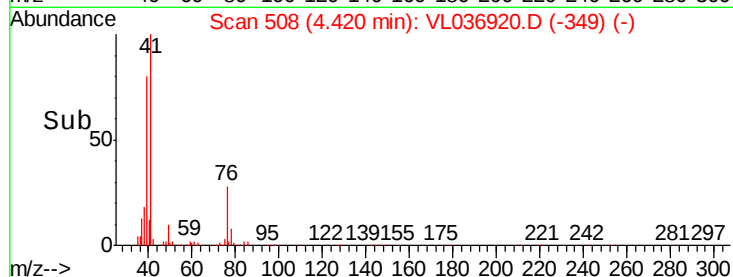
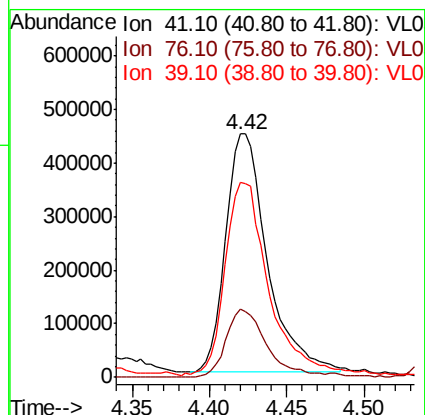
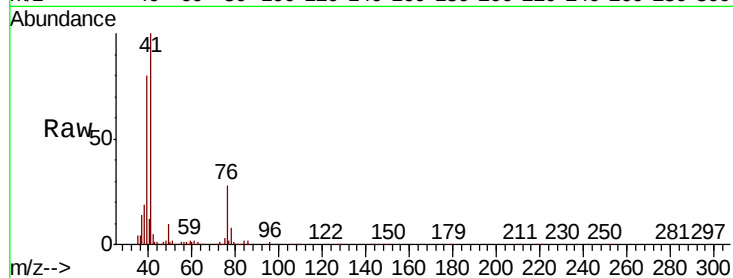




#21
Allvl Chloride
Concen: 8.758 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

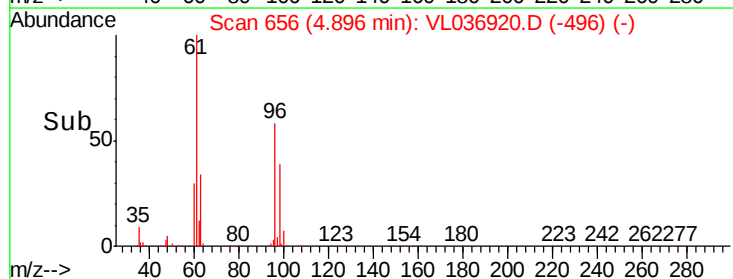
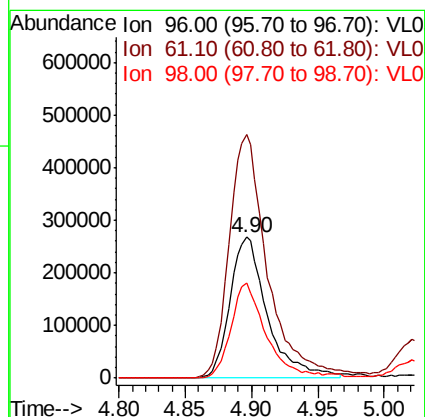
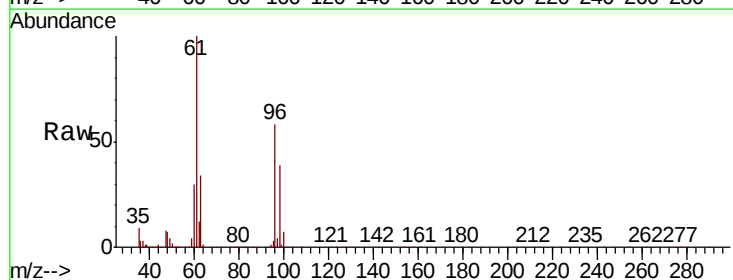
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

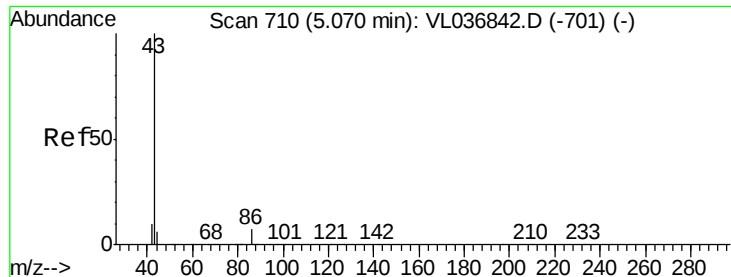
Tot Ion: 41 Resp: 831745
Ion Ratio Lower Upper
41 100
76 28.9 22.4 33.6
39 86.3 68.4 102.6



#22
trans-1,2-Dichloroethene
Concen: 9.445 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion: 96 Resp: 525588
Ion Ratio Lower Upper
96 100
61 172.7 138.6 207.8
98 67.5 48.1 72.1





#23

Vinyl Acetate

Concen: 11.647 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 43 Resp: 2024943

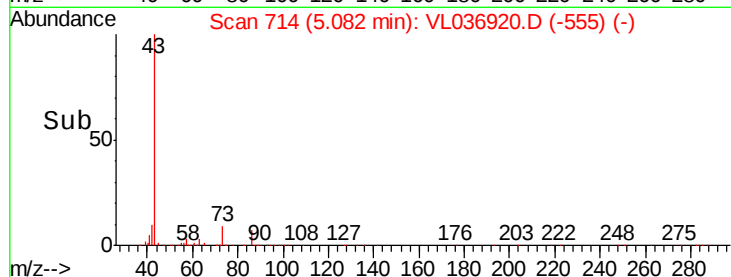
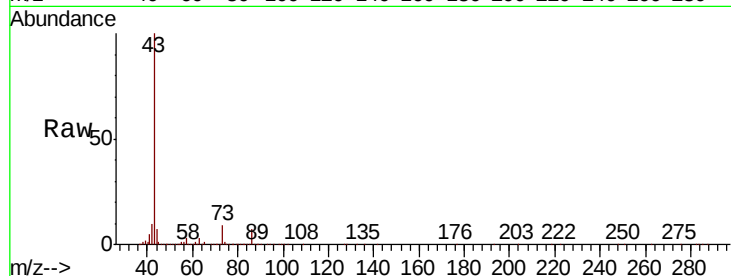
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.3	7.9
42	10.1	8.7	13.1
44	6.1	3.9	5.9

43 100

86 7.2 5.3 7.9

42 10.1 8.7 13.1

44 6.1 3.9 5.9



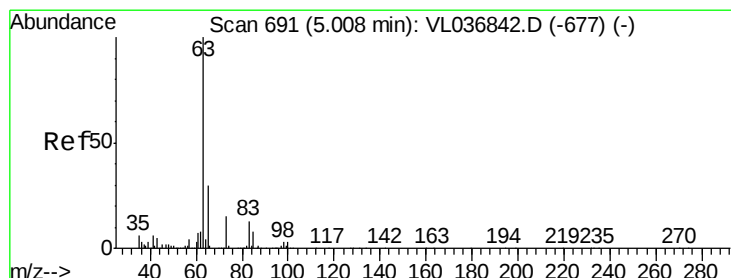
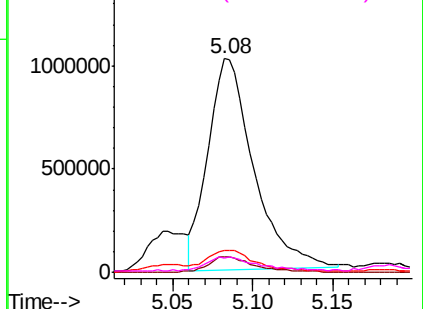
Abundance

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: 12.183 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

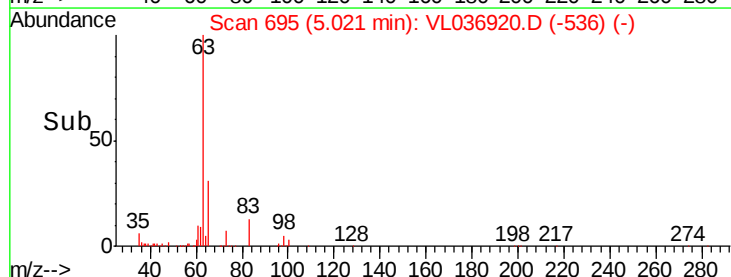
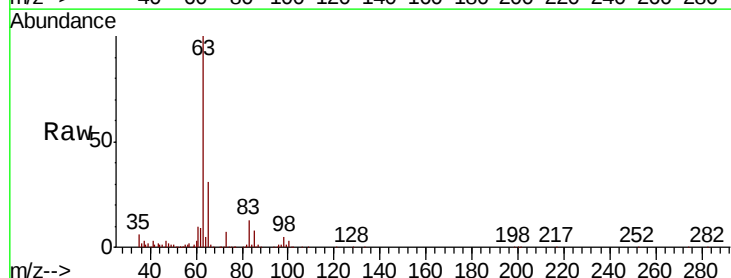
Tgt Ion: 63 Resp: 1503619

Ion	Ratio	Lower	Upper
63	100		
98	4.4	1.7	5.1
100	3.1	1.3	3.8

63 100

98 4.4 1.7 5.1

100 3.1 1.3 3.8

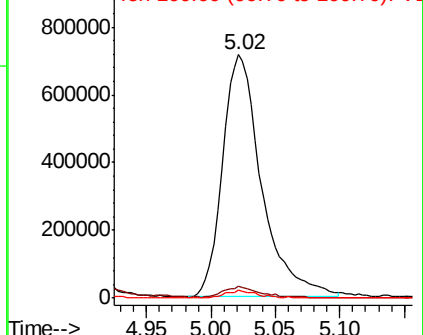


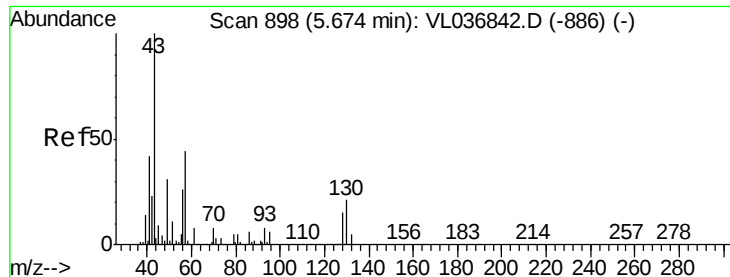
Abundance

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

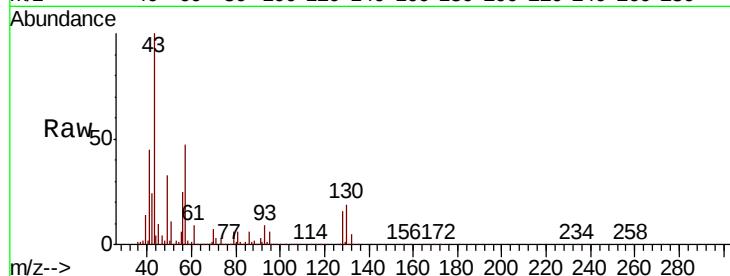




#25
Ethyl Acetate
Concen: 9.367 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion:	43	Resp:	2924452
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	9.5	7.4	11.0
70	6.6	5.4	8.0



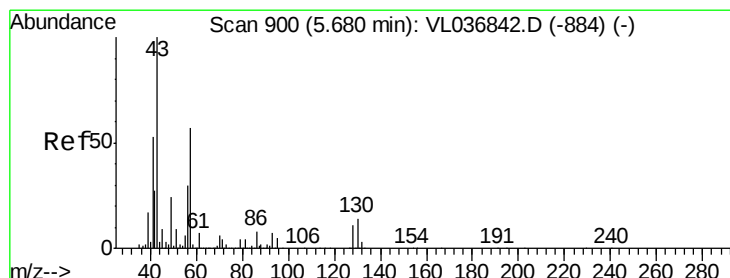
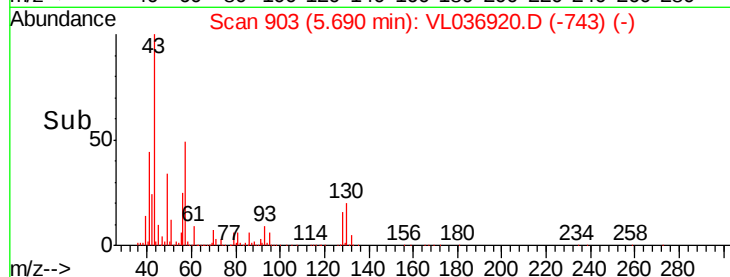
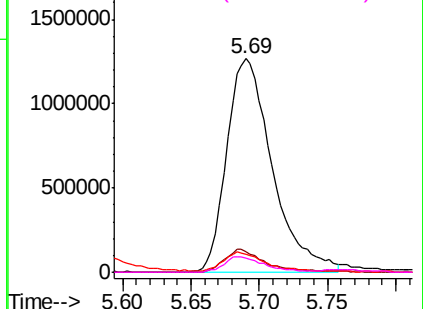
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

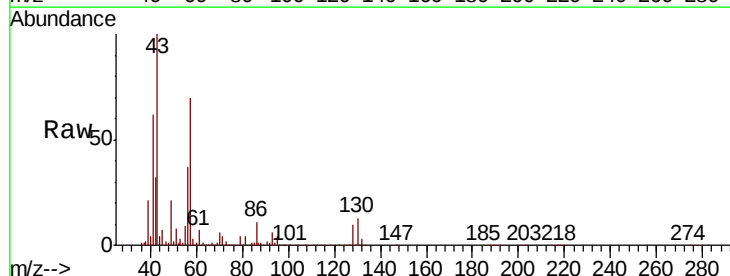
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.929 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.02 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion:	57	Resp:	1450356
Ion	Ratio	Lower	Upper
57	100		
41	97.2	77.7	116.5
43	208.0	180.5	270.7
56	56.4	44.6	66.8



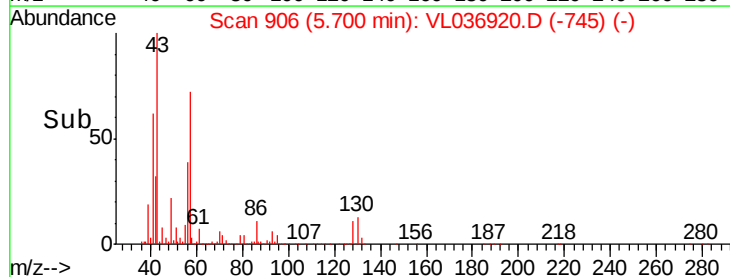
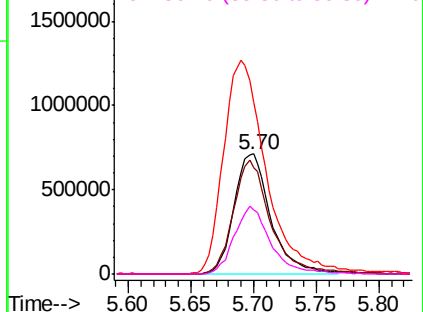
Abundance

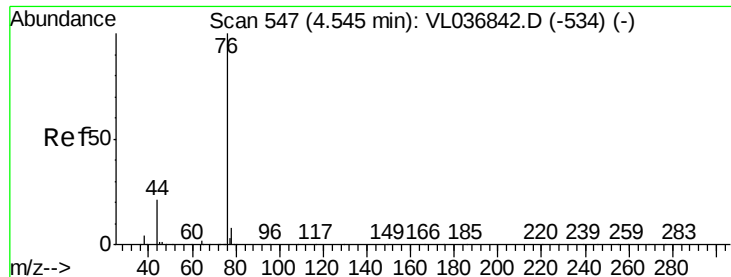
Ion 57.10 (56.80 to 57.80): VL0

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: 10.782 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

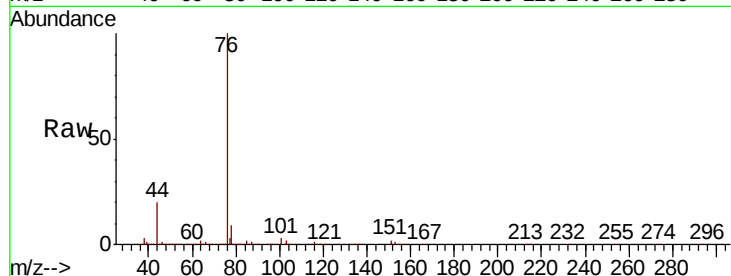
MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 76 Resp: 1367915

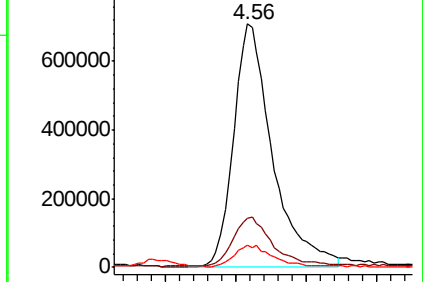
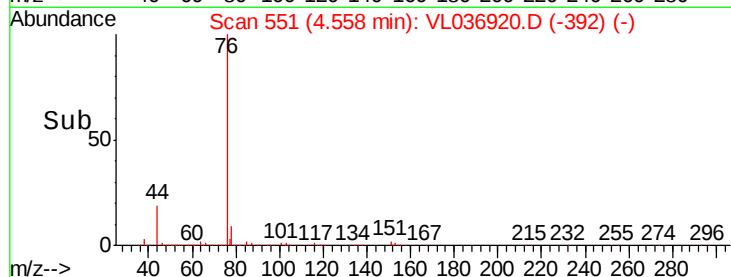
Ion	Ratio	Lower	Upper
76	100		
44	21.0	16.9	25.3
78	9.9	7.9	11.9



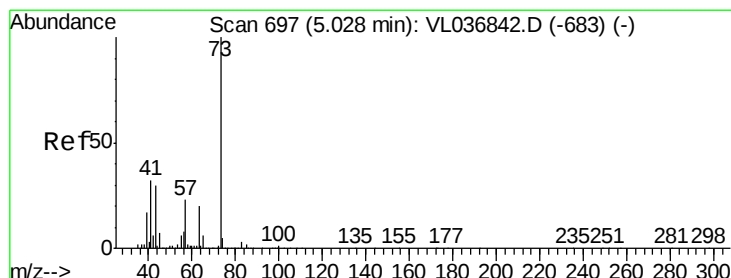
Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



Time-->



#28

Methyl tert-Butyl Ether

Concen: 11.439 ppbv

RT: 5.05 min Scan# 703

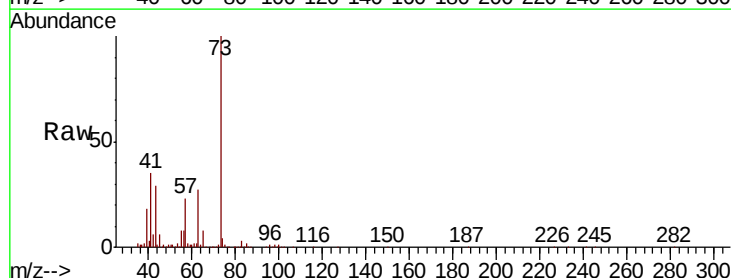
Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

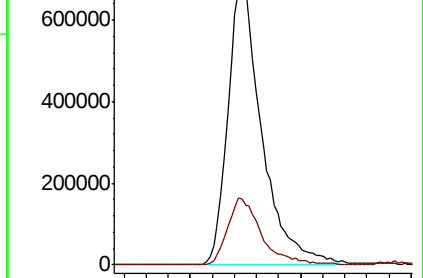
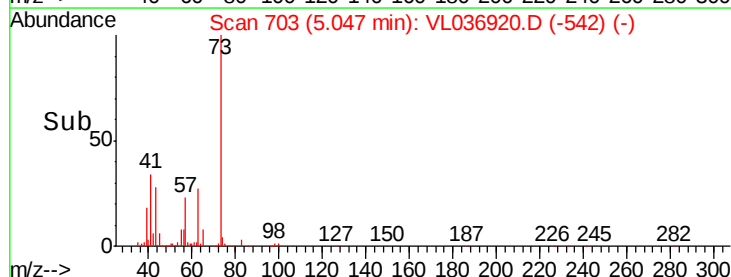
Tgt Ion: 73 Resp: 1481029

Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.0	28.6

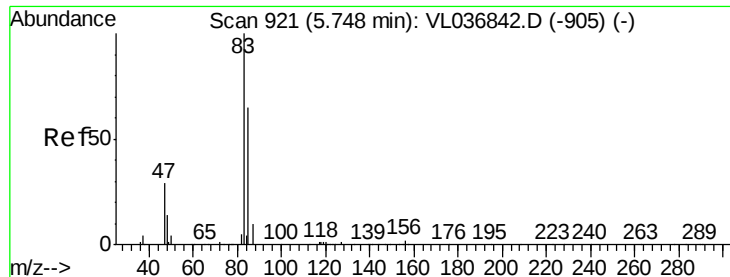


Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



Time-->



#29

Chloroform

Concen: 10.243 ppbv

RT: 5.76 min Scan# 926

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

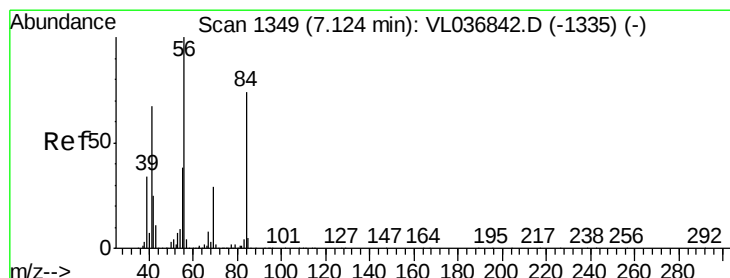
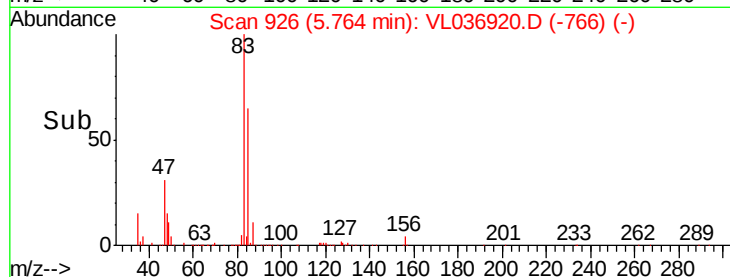
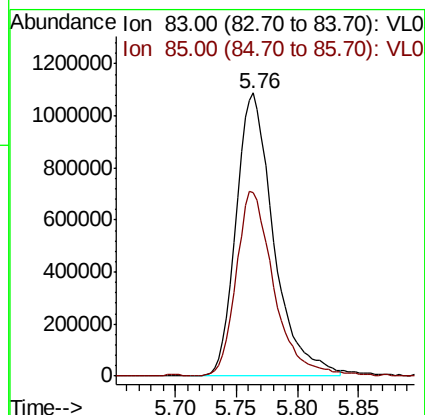
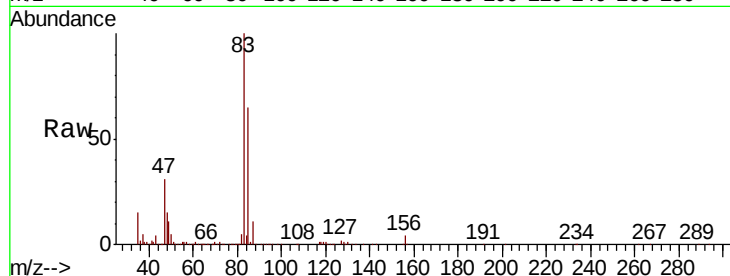
VL0507ABS01

Tot Ion: 83 Resp: 2332486

Ion Ratio Lower Upper

83 100

85 64.6 52.2 78.4



#30

Cyclohexane

Concen: 10.241 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

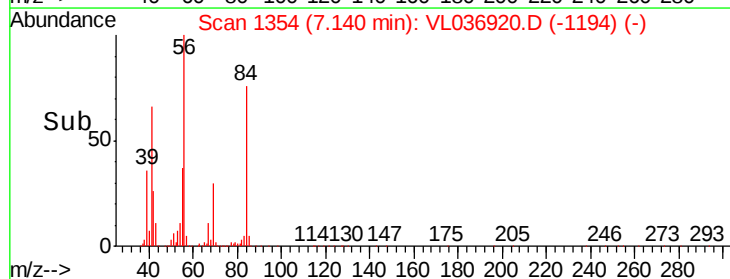
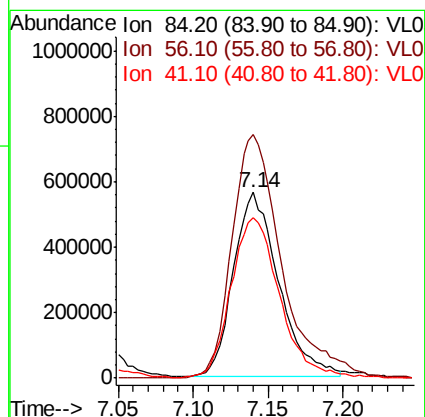
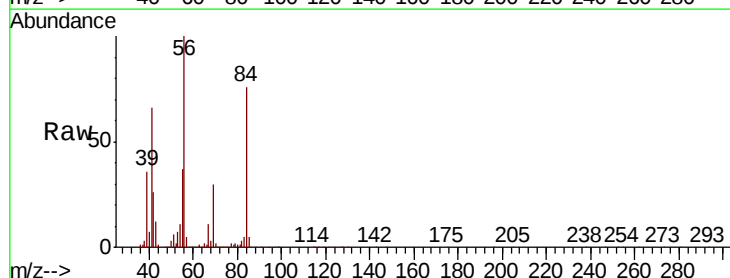
Tgt Ion: 84 Resp: 1186312

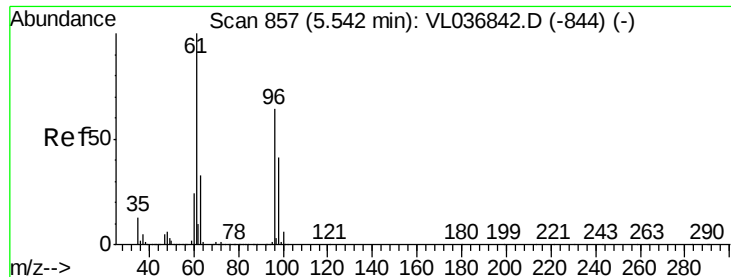
Ion Ratio Lower Upper

84 100

56 147.0 115.8 173.6

41 94.0 74.6 111.8



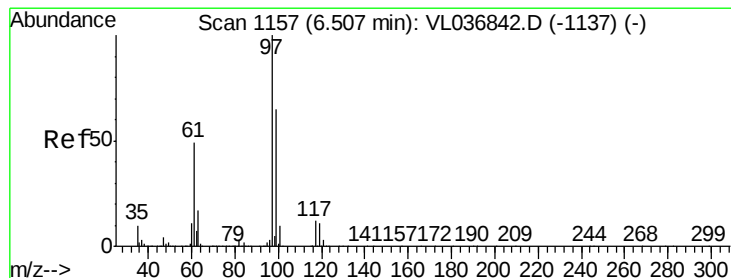
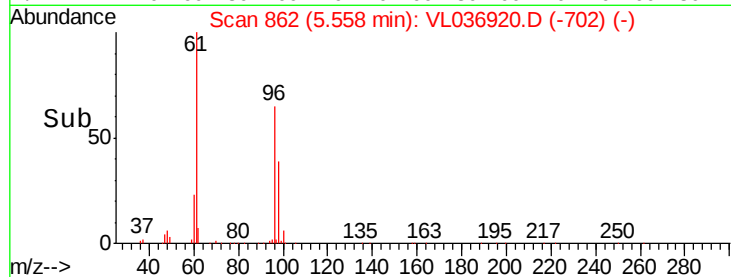
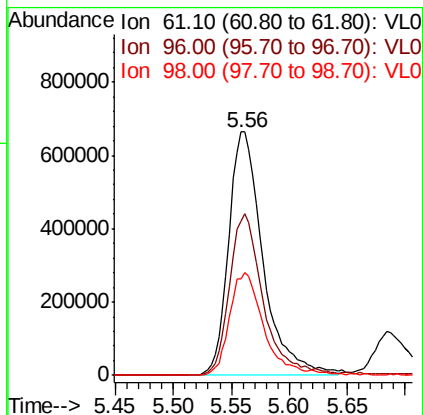
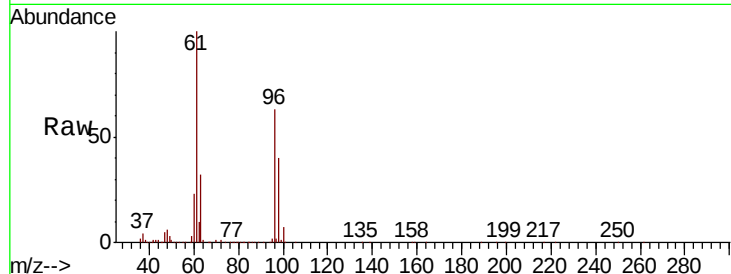


#31

cis-1,2-Dichloroethene
 Concen: 10.377 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. 0.02 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

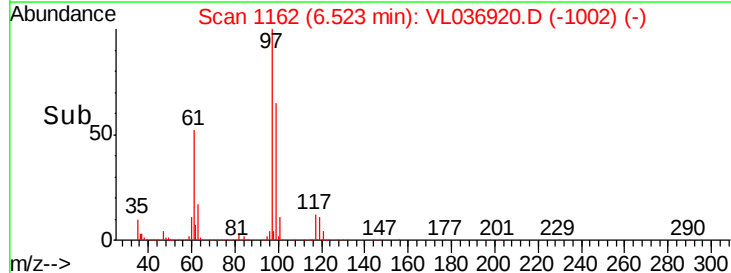
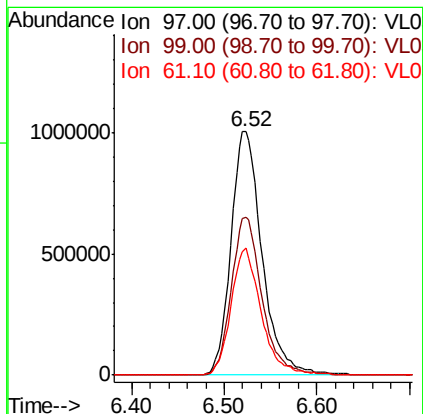
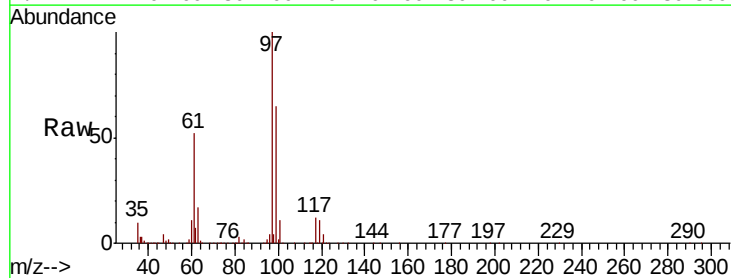
Tot Ion: 61 Resp: 1360622
 Ion Ratio Lower Upper
 61 100
 96 63.2 51.0 76.6
 98 39.6 32.7 49.1

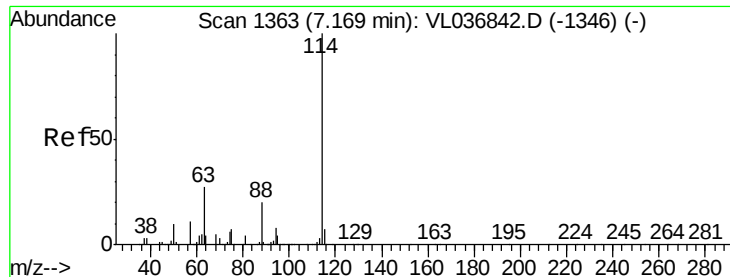


#32

1,1,1-Trichloroethane
 Concen: 10.097 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.02 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Tgt Ion: 97 Resp: 2338089
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.8 77.6
 61 51.0 40.8 61.2

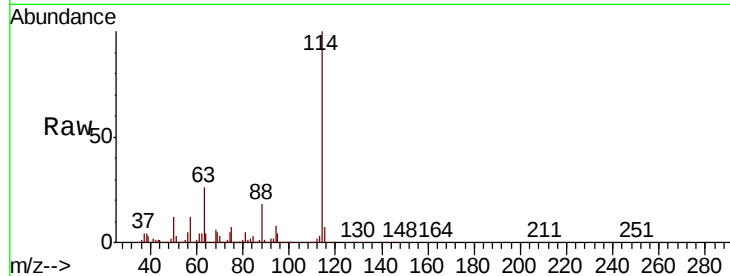




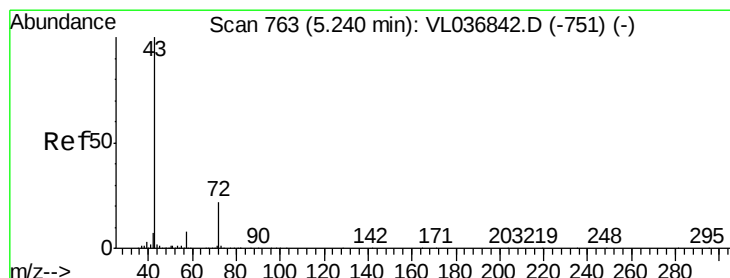
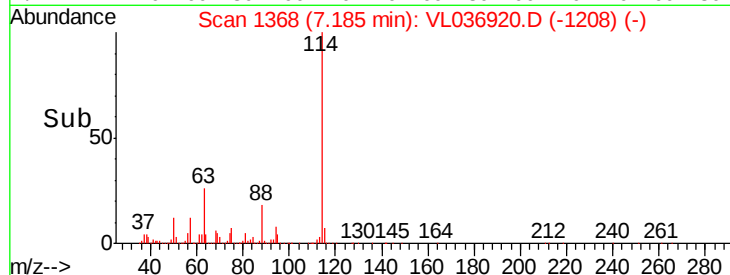
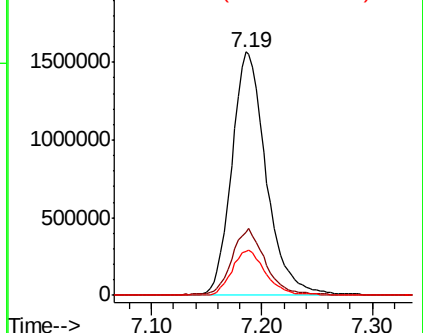
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.02 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion:114 Resp: 3386706
 Ion Ratio Lower Upper
 114 100
 63 27.2 21.9 32.9
 88 18.3 15.1 22.7

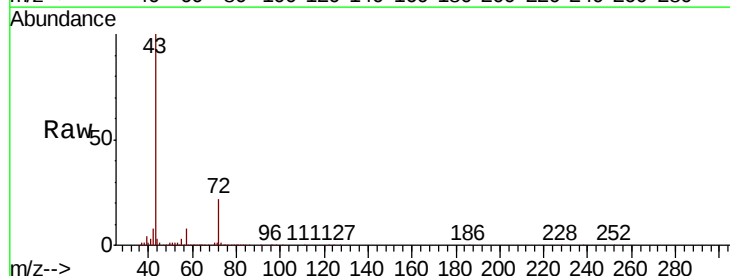


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

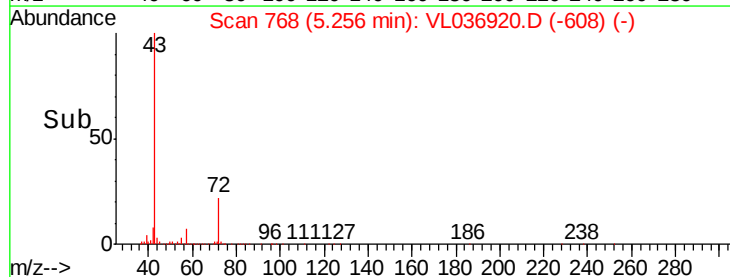
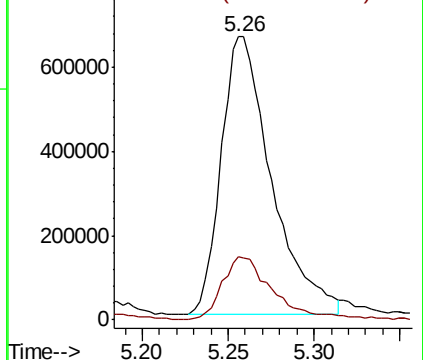


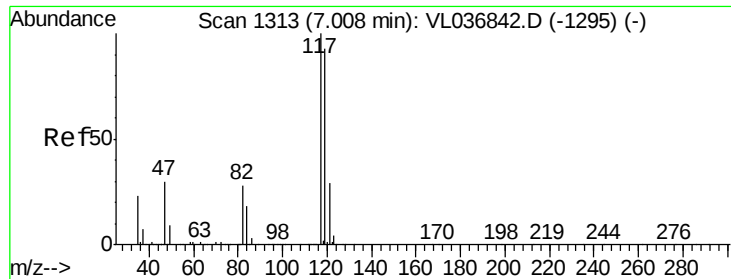
#34
 2-Butanone
 Concen: 9.080 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.02 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Tgt Ion: 43 Resp: 1347099
 Ion Ratio Lower Upper
 43 100
 72 23.4 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: 10.784 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

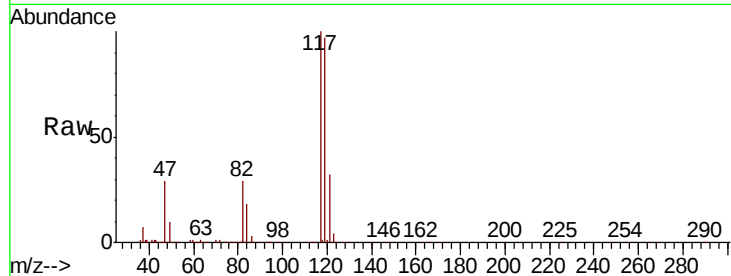
Tot Ion:117 Resp: 2478266

Ion Ratio Lower Upper

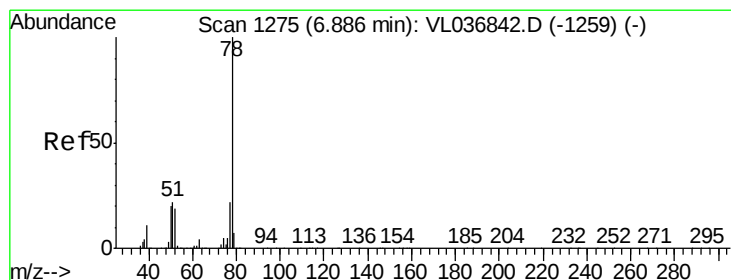
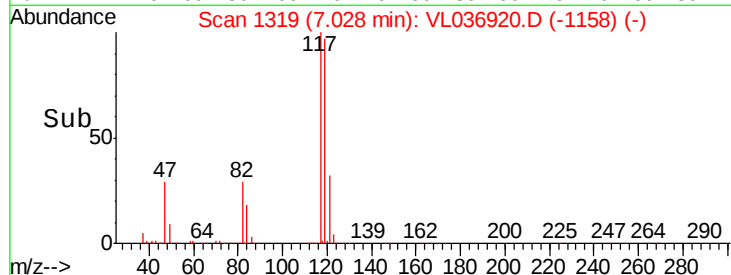
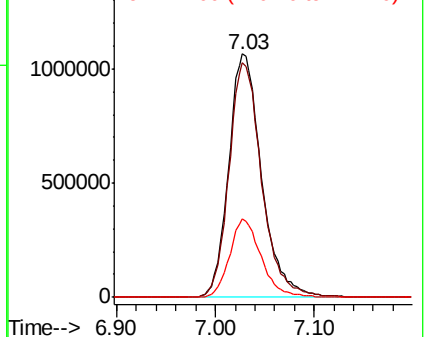
117 100

119 96.5 74.6 111.8

121 32.2 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: 10.486 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

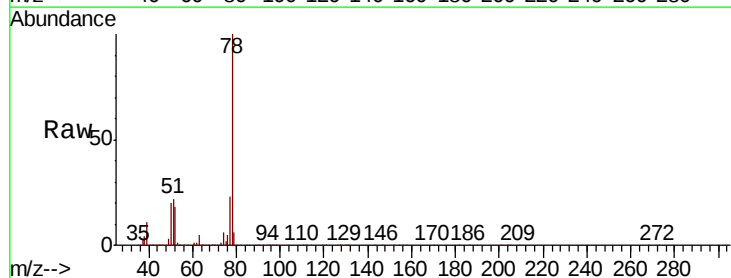
Tgt Ion: 78 Resp: 2992104

Ion Ratio Lower Upper

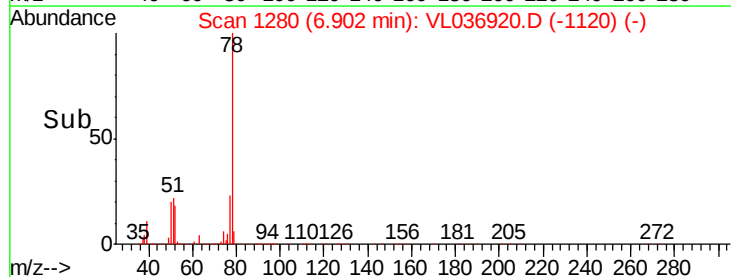
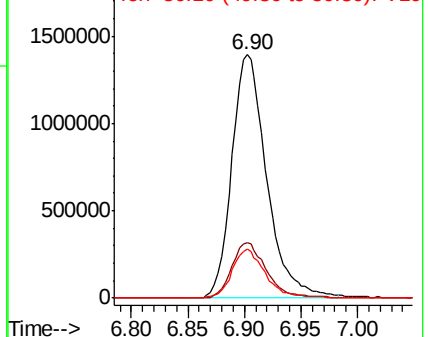
78 100

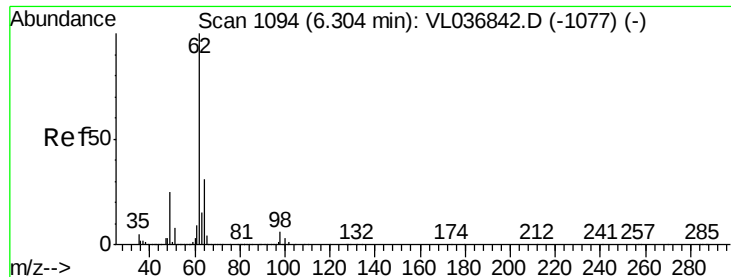
77 23.0 17.6 26.4

50 20.3 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: 10.425 ppbv

RT: 6.32 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

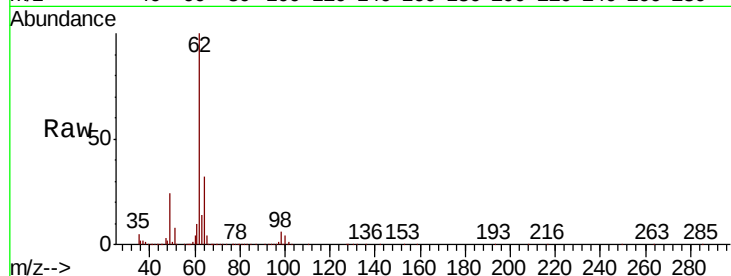
VL0507ABS01

Tot Ion: 62 Resp: 1684450

Ion Ratio Lower Upper

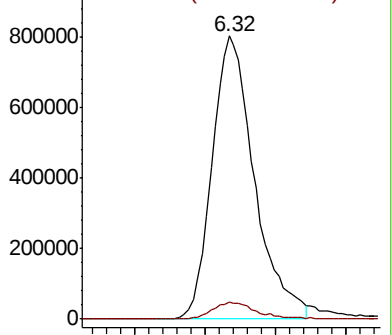
62 100

98 6.3 4.8 7.2

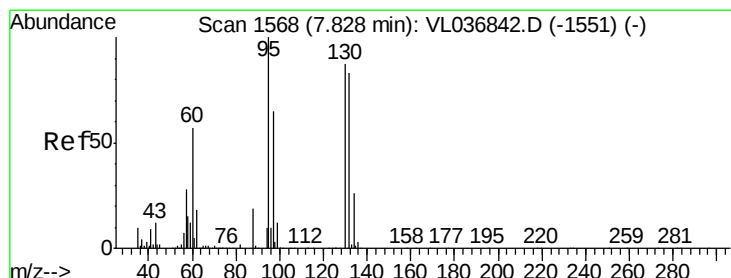
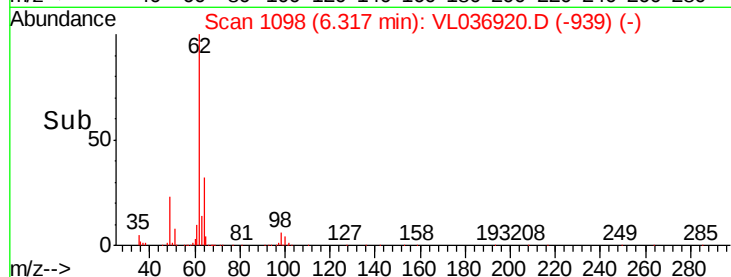


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



Time-->



#38

Trichloroethene

Concen: 10.895 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Tgt Ion:130 Resp: 1106878

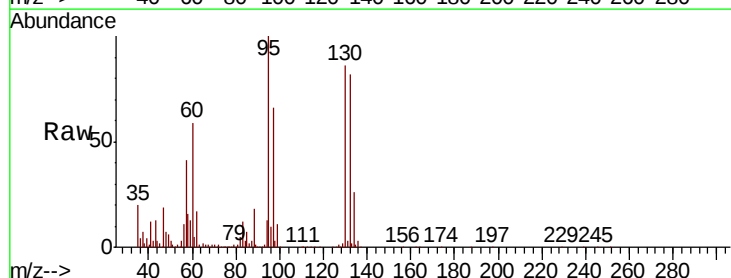
Ion Ratio Lower Upper

130 100

95 116.6 92.3 138.5

132 95.7 76.8 115.2

97 76.8 60.0 90.0

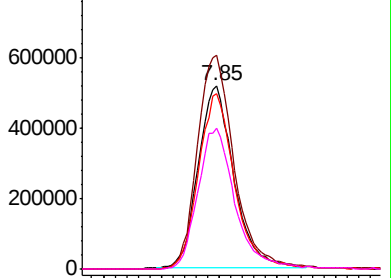


Abundance Ion 130.00 (129.70 to 130.70): V

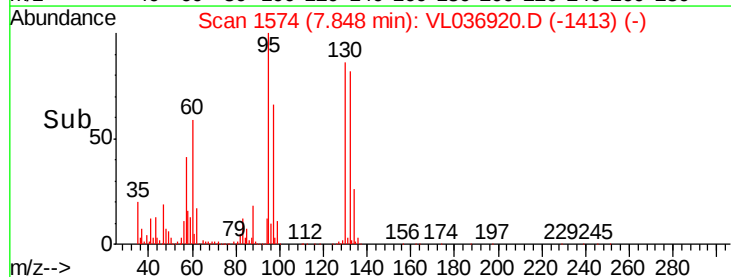
Ion 95.00 (94.70 to 95.70): VL0

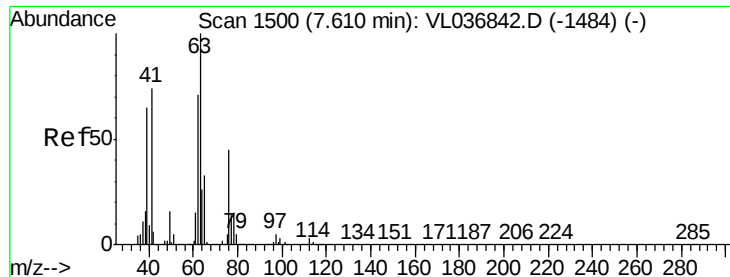
Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



Time-->





#39

1,2-Dichloropropane

Concen: 10.371 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

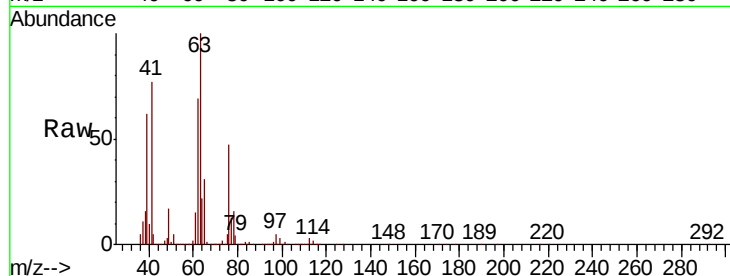
Tot Ion: 63 Resp: 1185576

Ion Ratio Lower Upper

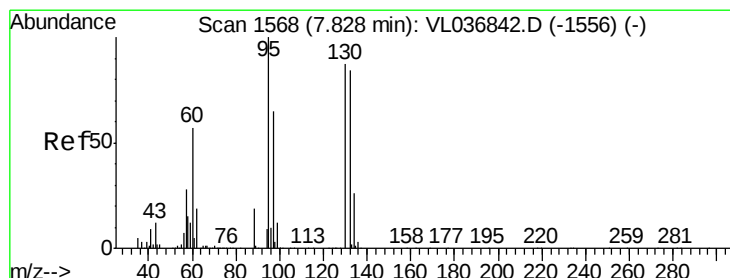
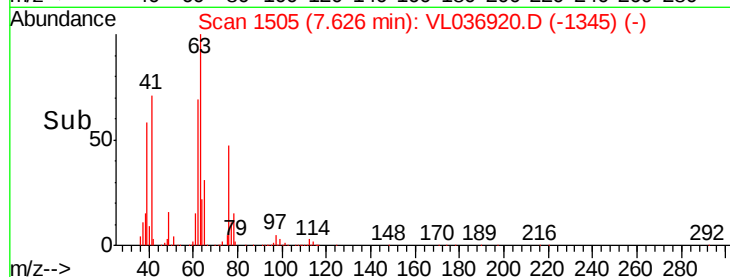
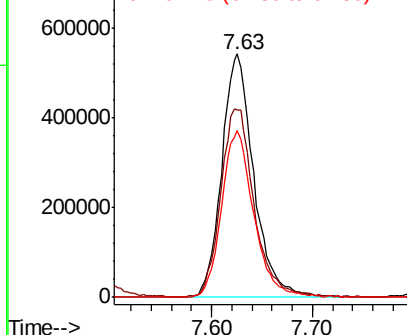
63 100

41 76.5 59.1 88.7

62 68.4 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: 9.693 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Tgt Ion: 88 Resp: 267587

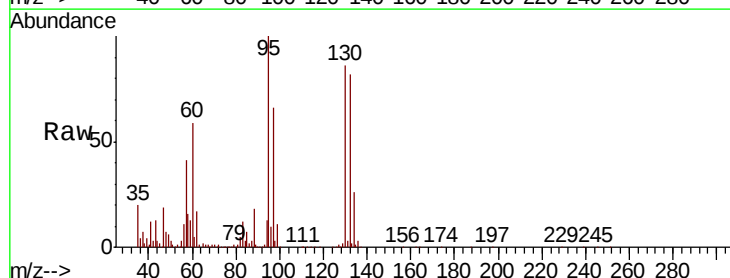
Ion Ratio Lower Upper

88 100

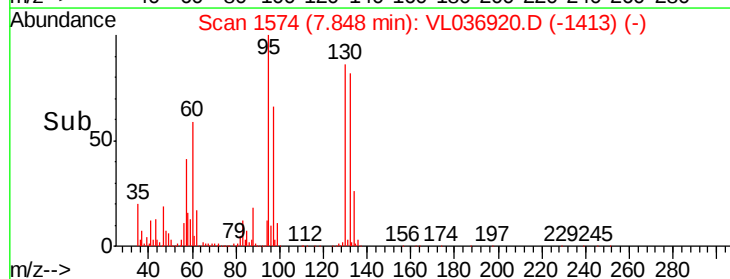
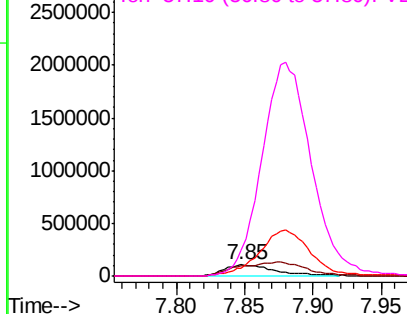
58 168.7 132.6 198.8

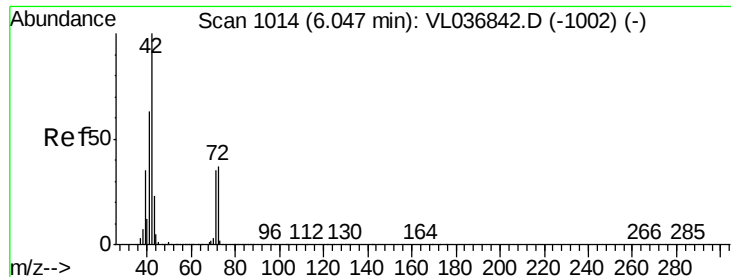
43 428.9 331.5 497.3

57 1930.0 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: 9.153 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

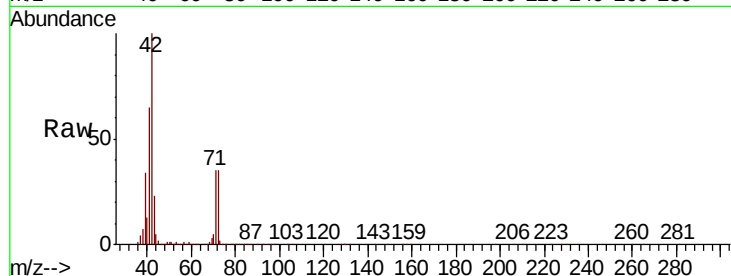
Tot Ion: 42 Resp: 594022

Ion Ratio Lower Upper

42 100

72 37.1 29.7 44.5

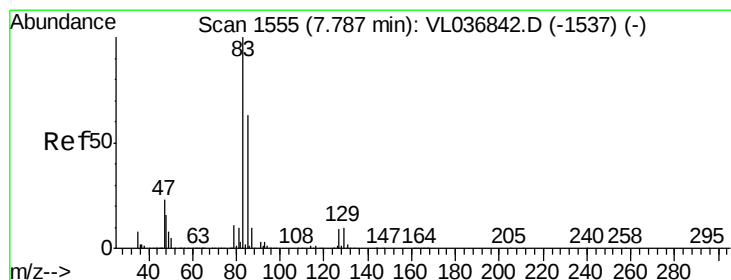
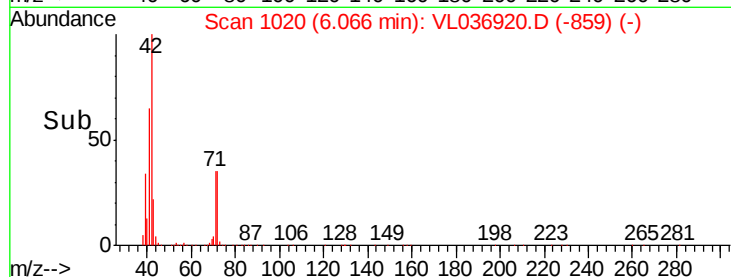
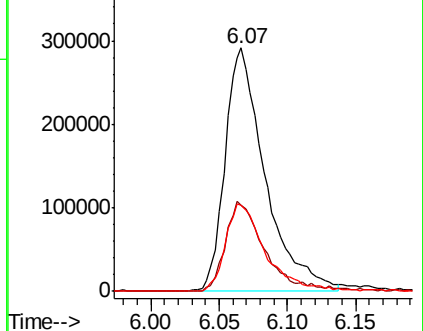
71 36.5 29.0 43.6



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: 11.148 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

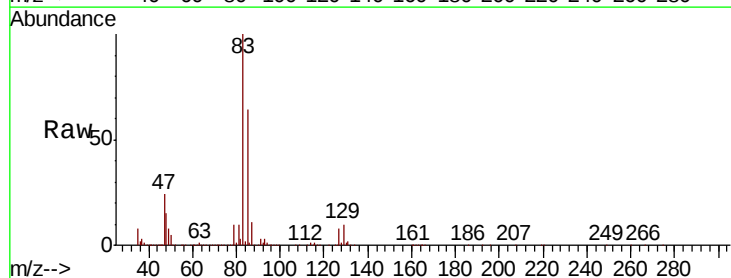
Tgt Ion: 83 Resp: 2502912

Ion Ratio Lower Upper

83 100

85 63.5 50.4 75.6

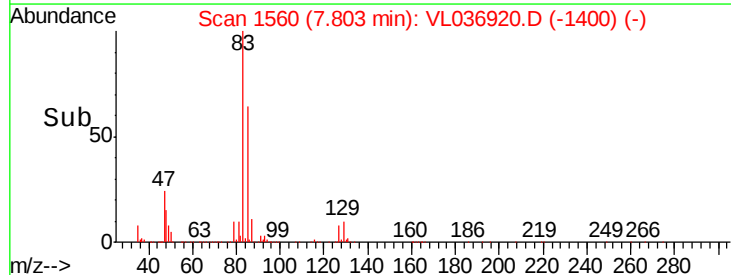
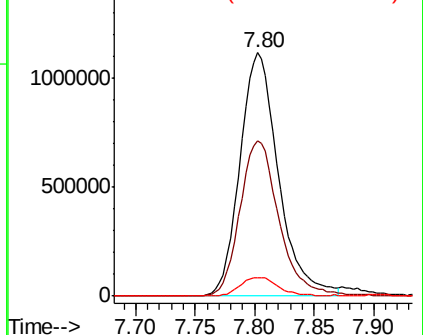
127 7.8 6.9 10.3

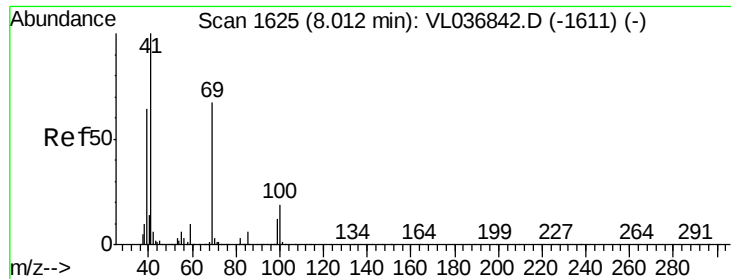


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.810 ppbv

RT: 8.02 min Scan# 1629

Delta R.T. 0.01 min

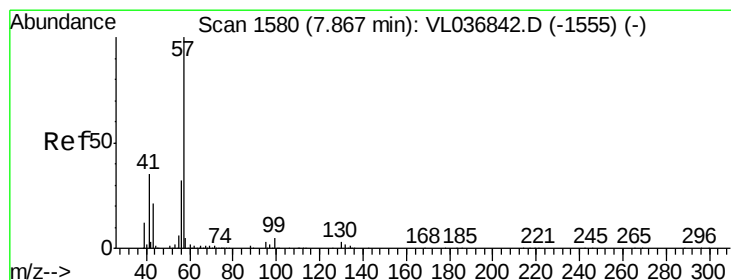
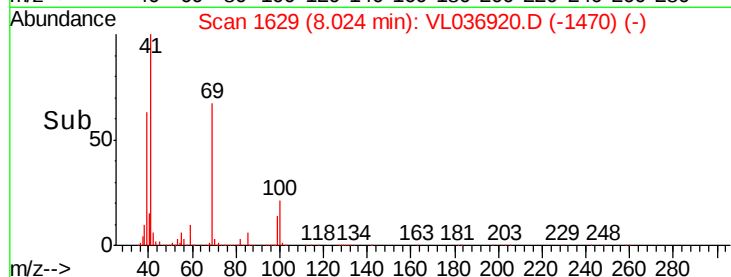
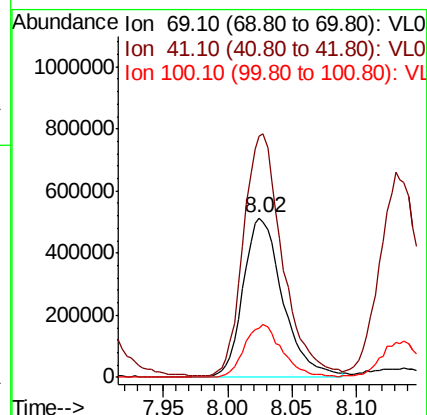
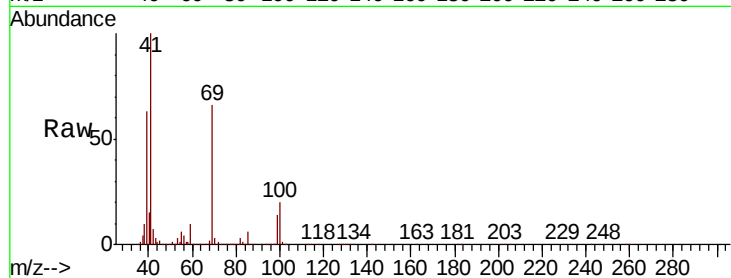
Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 69 Resp: 1099592

Ion	Ratio	Lower	Upper
69	100		
41	150.4	124.2	186.4
100	31.4	25.5	38.3



#44

2,2,4-Trimethylpentane

Concen: 10.512 ppbv

RT: 7.88 min Scan# 1584

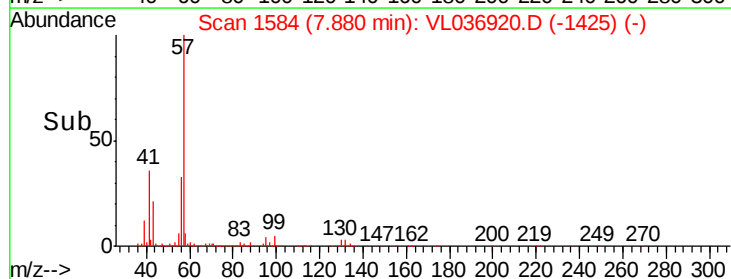
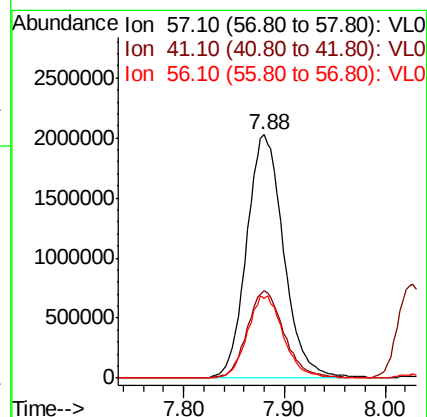
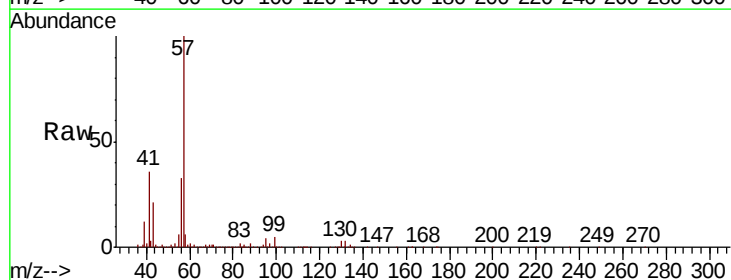
Delta R.T. 0.01 min

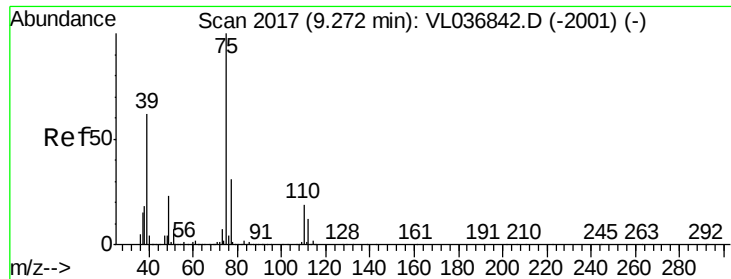
Lab File: VL036920.D

Acq: 7 May 2021 15:32

Tgt Ion: 57 Resp: 5140522

Ion	Ratio	Lower	Upper
57	100		
41	36.0	28.2	42.4
56	33.1	25.9	38.9

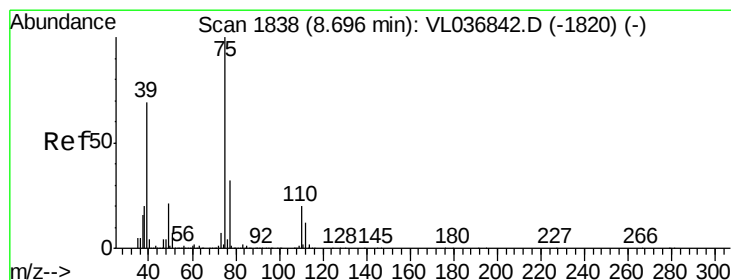
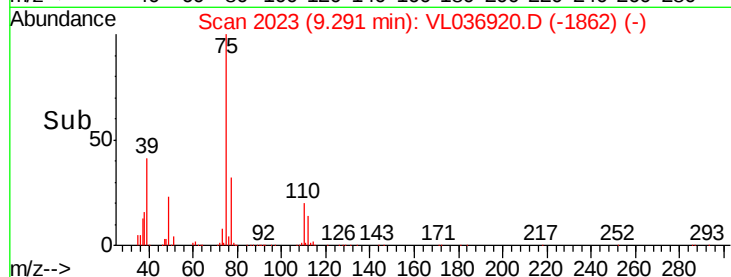
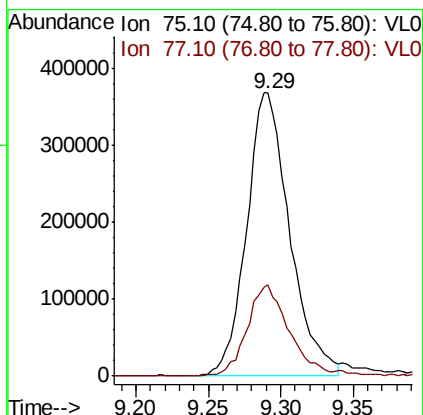
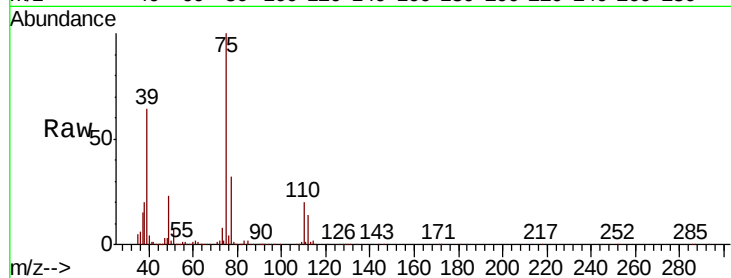




#45
 t-1,3-Dichloropropene
 Concen: 7.572 ppbv
 RT: 9.29 min Scan# 2023
 Delta R.T. 0.02 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

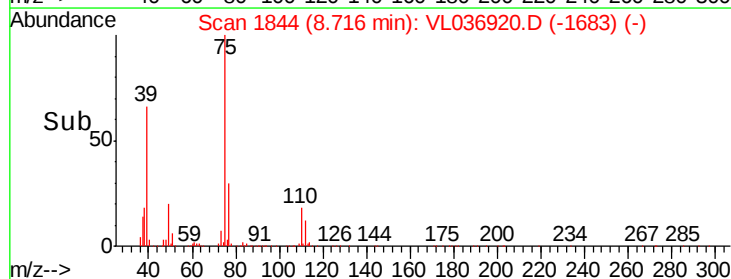
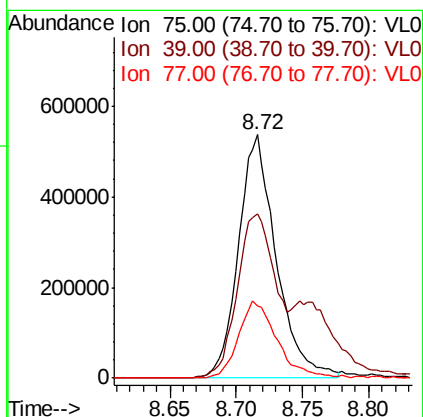
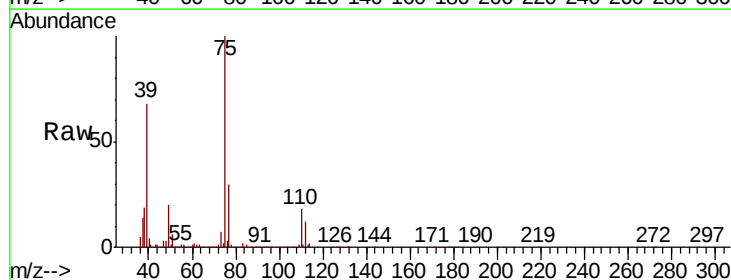
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

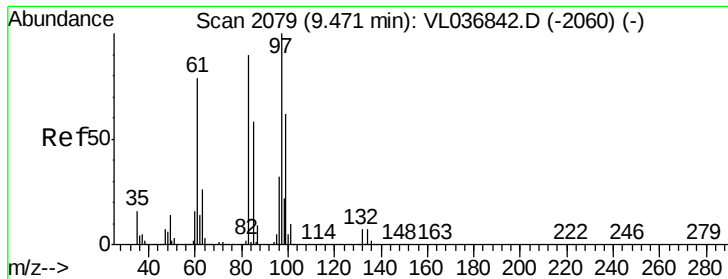
Tot Ion: 75 Resp: 759976
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.6 37.0



#46
 cis-1,3-Dichloropropene
 Concen: 8.237 ppbv
 RT: 8.72 min Scan# 1844
 Delta R.T. 0.02 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Tgt Ion: 75 Resp: 1060105
 Ion Ratio Lower Upper
 75 100
 39 67.4 55.4 83.0
 77 29.5 25.2 37.8



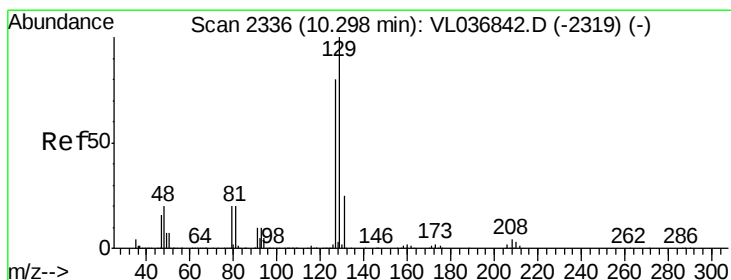
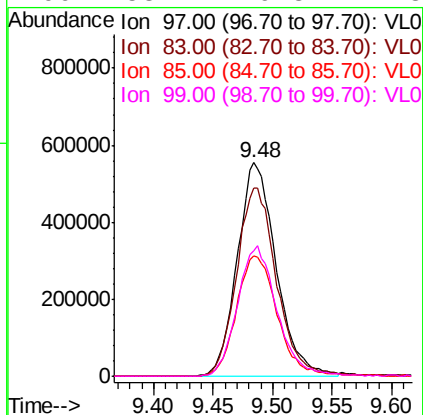
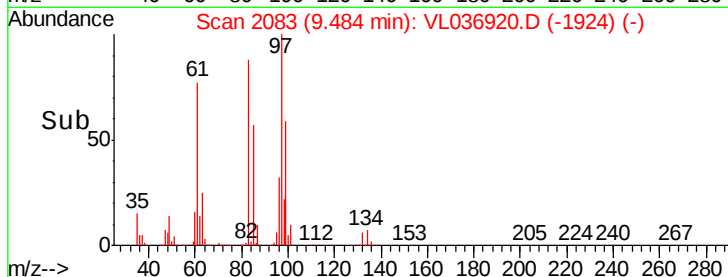
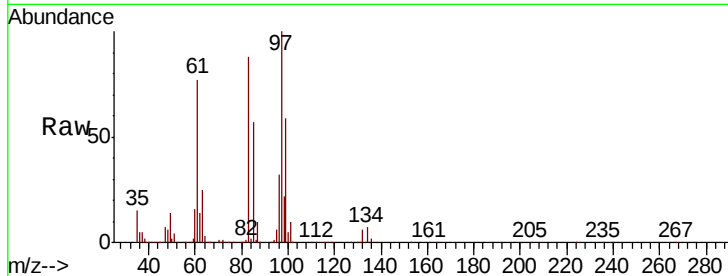


#47
 1,1,2-Trichloroethane
 Concen: 10.613 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion: 97 Resp: 1256078

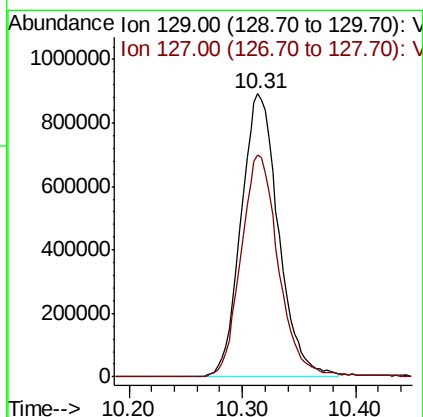
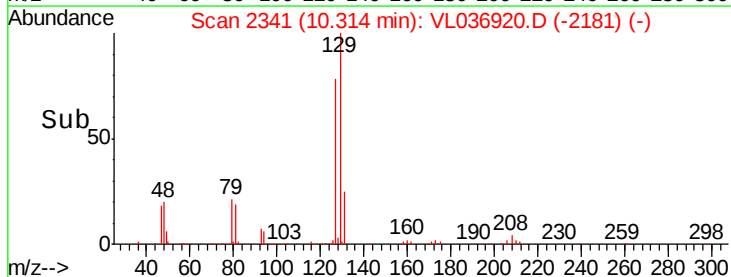
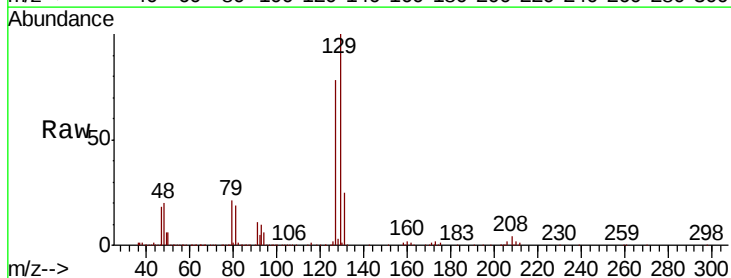
Ion	Ratio	Lower	Upper
97	100		
83	87.9	71.9	107.9
85	56.6	46.5	69.7
99	58.7	49.8	74.8

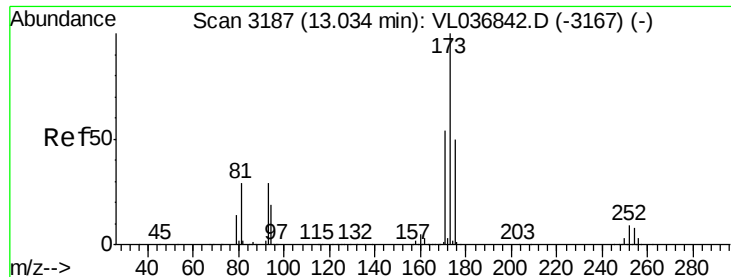


#48
 Dibromochloromethane
 Concen: 11.694 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. 0.02 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Tgt Ion: 129 Resp: 2050920

Ion	Ratio	Lower	Upper
129	100		
127	78.6	40.2	120.5





#49

Bromoform

Concen: 12.353 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

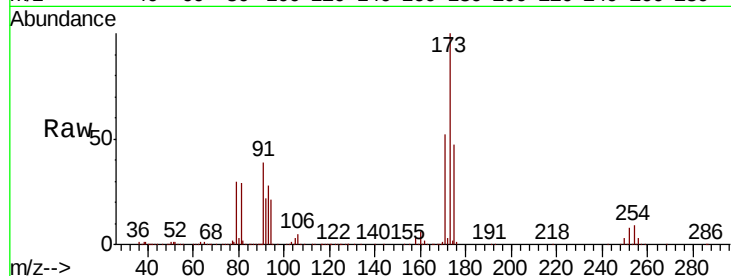
Tot Ion:173 Resp: 1729481

Ion Ratio Lower Upper

173 100

175 50.3 39.6 59.4

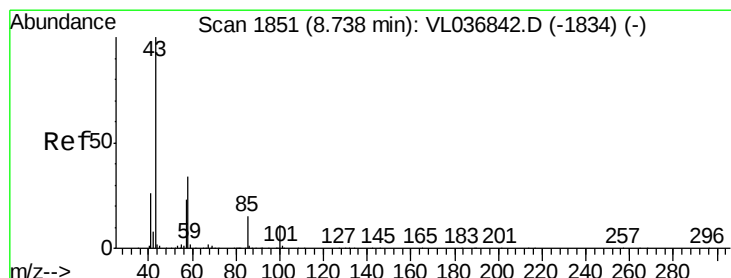
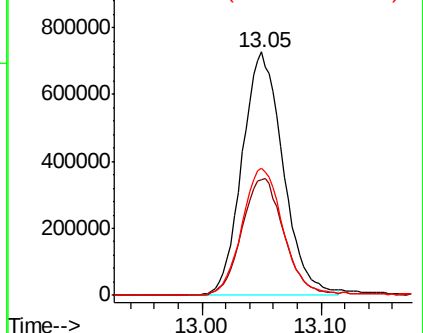
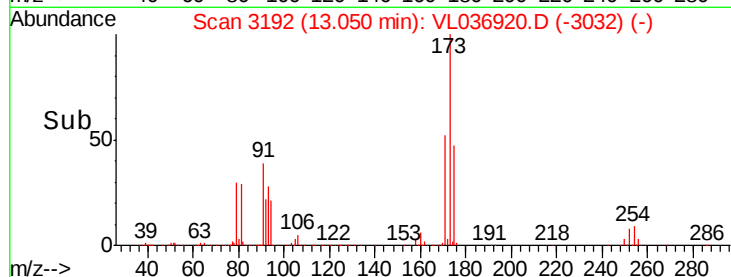
171 54.0 42.2 63.4



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: 10.422 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.02 min

Lab File: VL036920.D

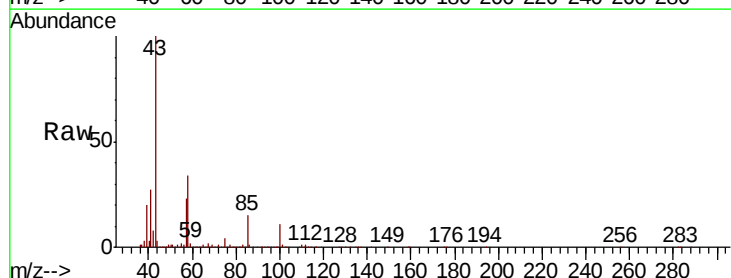
Acq: 7 May 2021 15:32

Tgt Ion: 43 Resp: 2113292

Ion Ratio Lower Upper

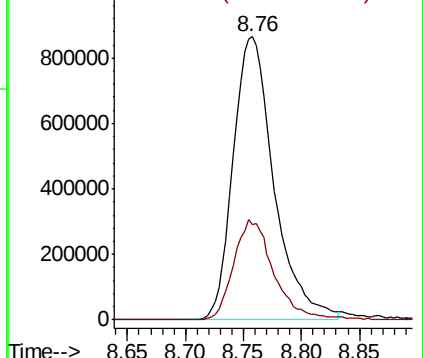
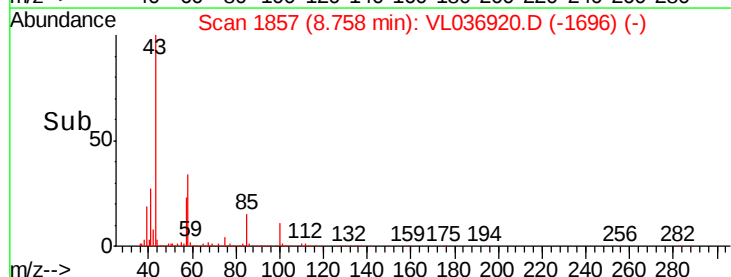
43 100

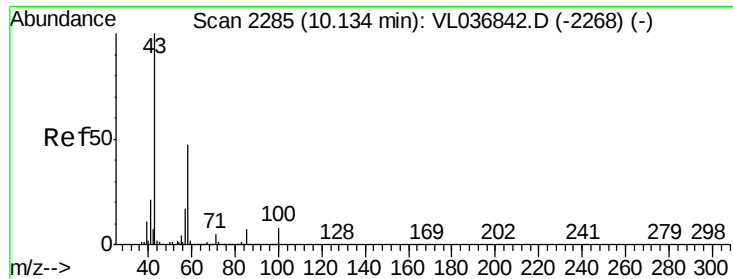
58 35.2 27.8 41.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.543 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

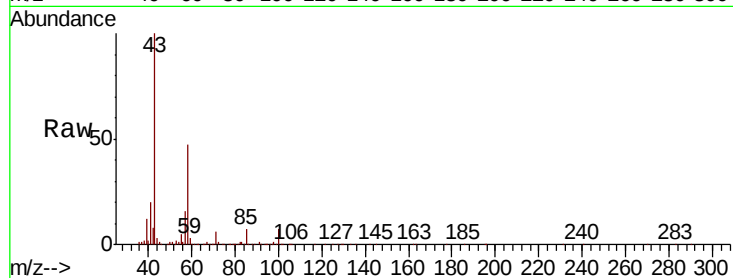
Tot Ion: 43 Resp: 1066374

Ion Ratio Lower Upper

43 100

58 46.2 37.0 55.6

98 1.3 0.2 0.4#

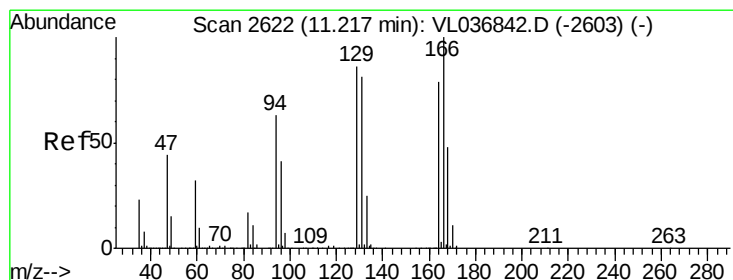
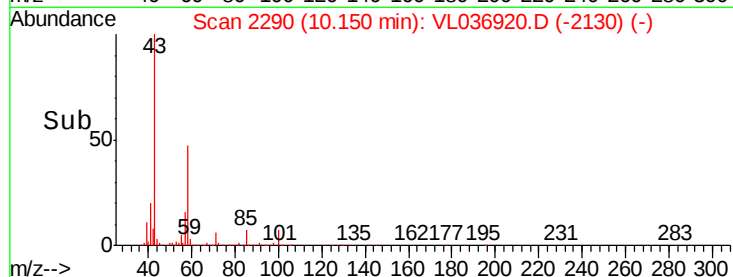
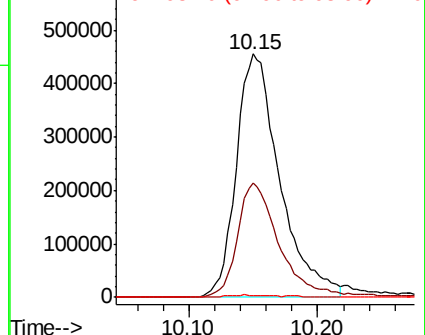


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.447 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Tgt Ion: 164 Resp: 1015087

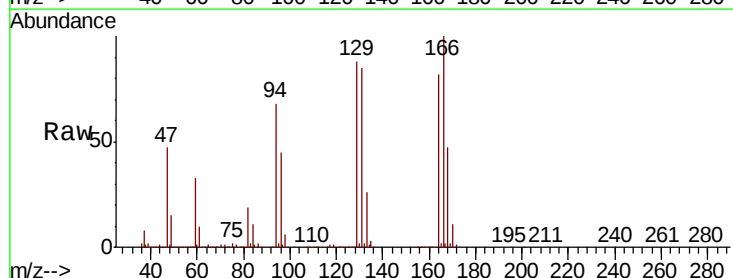
Ion Ratio Lower Upper

164 100

166 122.5 100.9 151.3

129 108.0 87.0 130.4

131 104.6 81.7 122.5



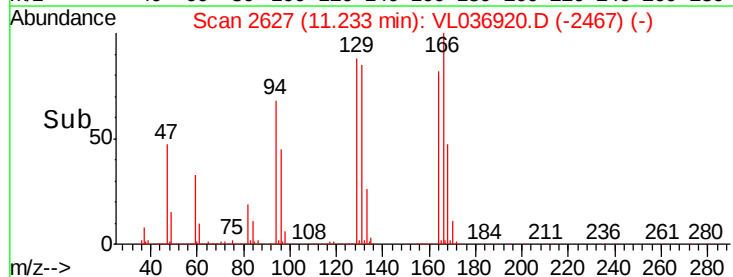
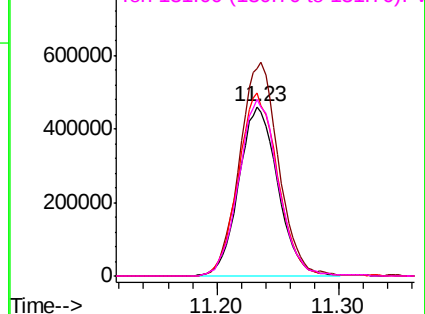
Abundance

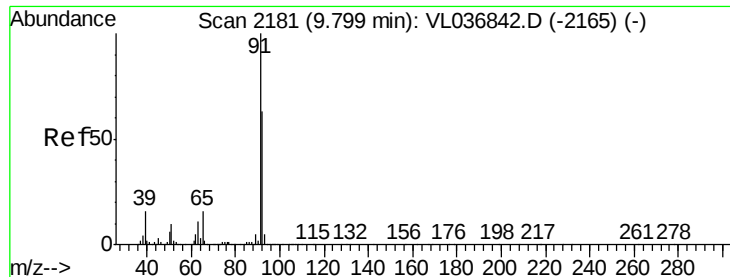
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.291 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

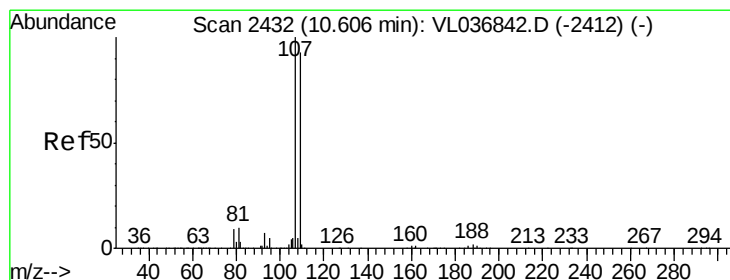
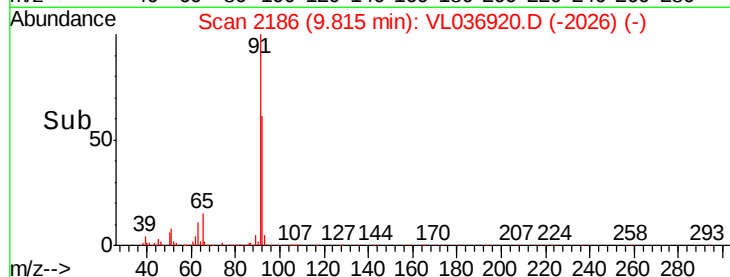
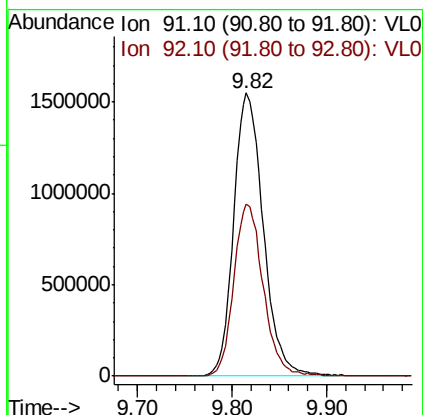
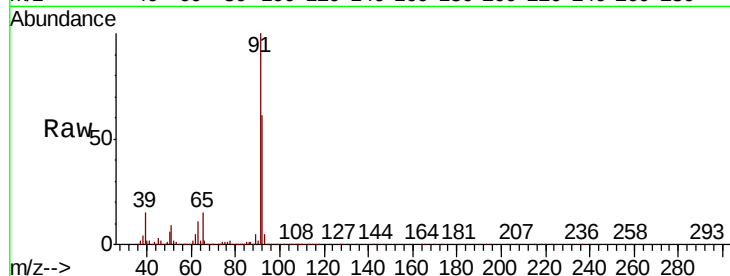
VL0507ABS01

Tot Ion: 91 Resp: 3371291

Ion Ratio Lower Upper

91 100

92 60.4 49.0 73.4



#54

1,2-Dibromoethane

Concen: 10.519 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.01 min

Lab File: VL036920.D

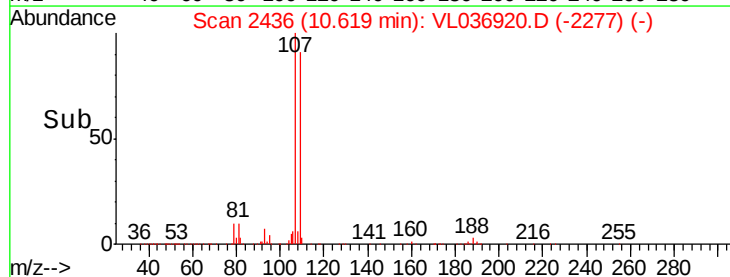
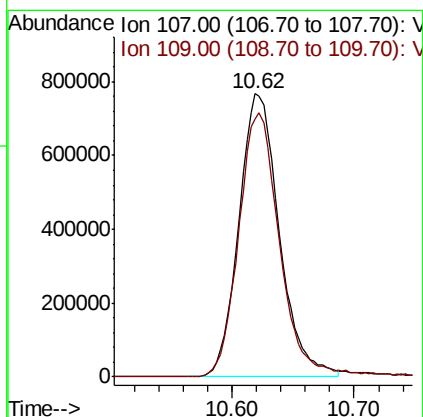
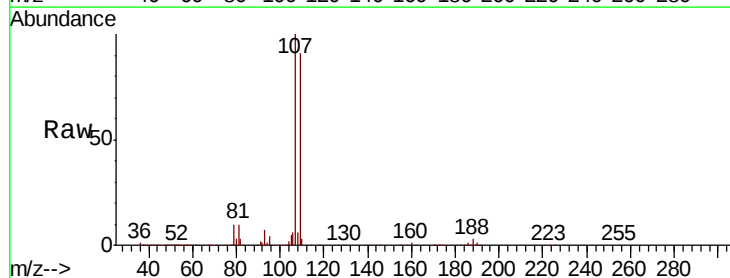
Acq: 7 May 2021 15:32

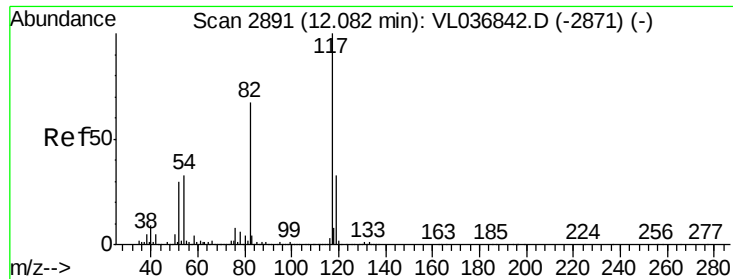
Tgt Ion: 107 Resp: 1757709

Ion Ratio Lower Upper

107 100

109 91.2 74.7 112.1

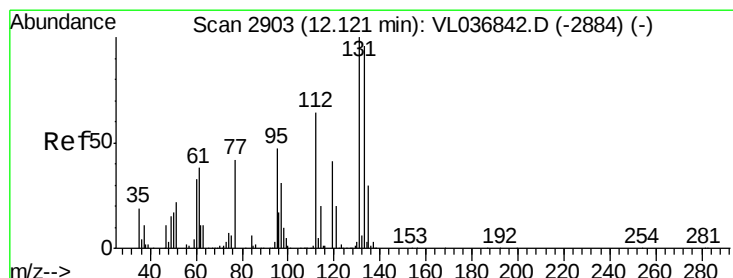
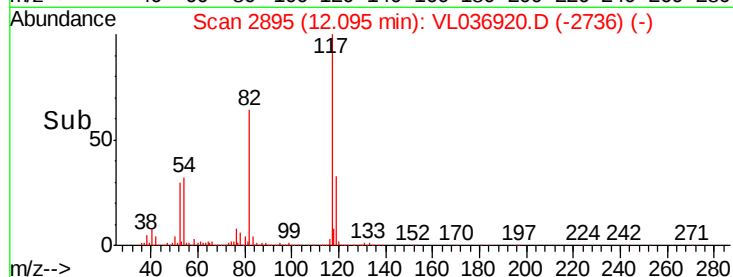
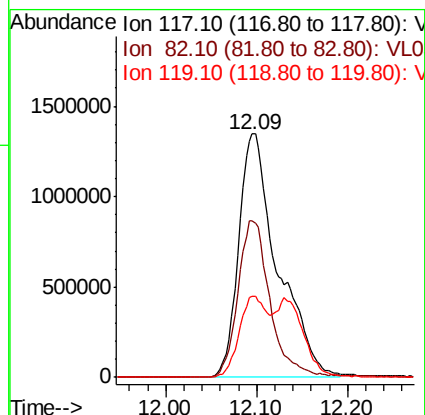
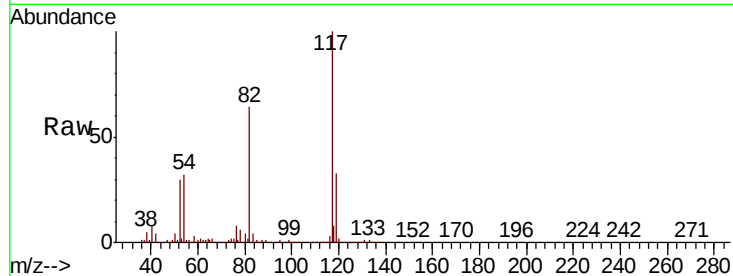




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2895
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

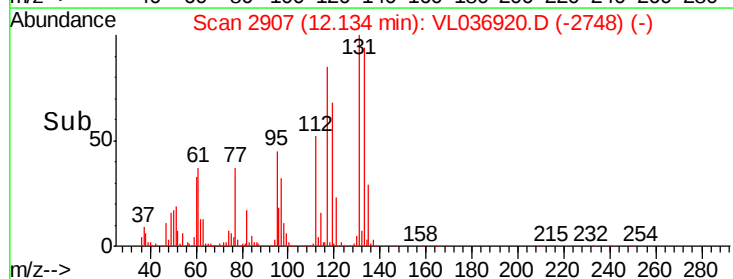
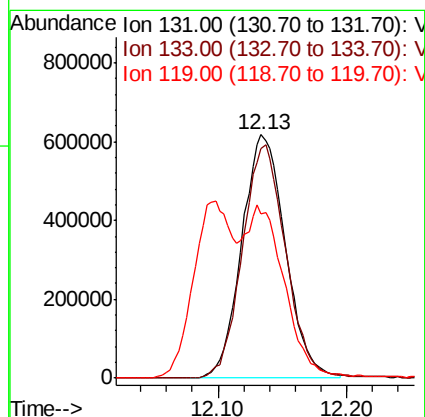
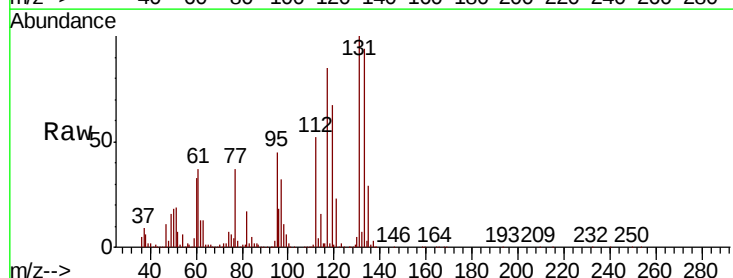
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

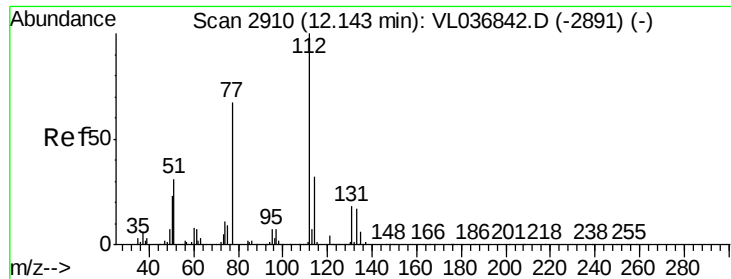
Tot Ion:117 Resp: 4022329
Ion Ratio Lower Upper
117 100
82 53.4 53.5 80.3#
119 21.9 25.6 38.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.622 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion:131 Resp: 1453900
Ion Ratio Lower Upper
131 100
133 96.2 76.3 114.5
119 67.7 114.9 172.3#





#57

Chlorobenzene

Concen: 8.230 ppbv

RT: 12.16 min Scan# 2915

Delta R.T. 0.02 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

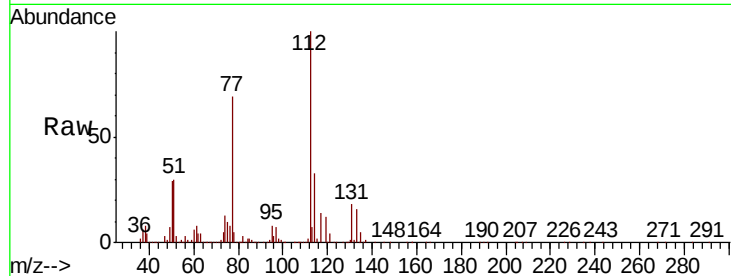
Tot Ion:112 Resp: 2578463

Ion Ratio Lower Upper

112 100

77 68.1 54.2 81.4

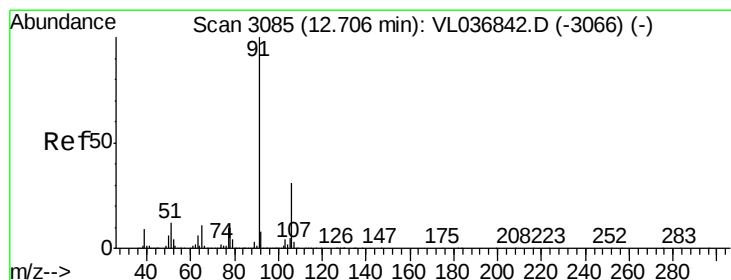
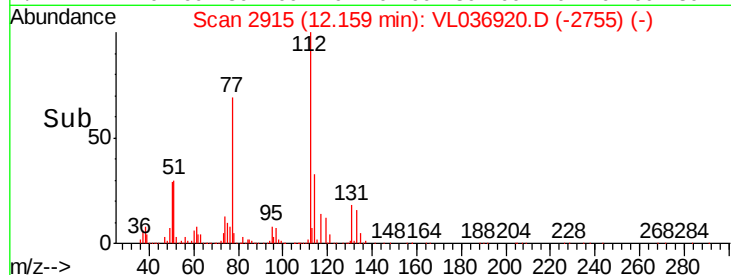
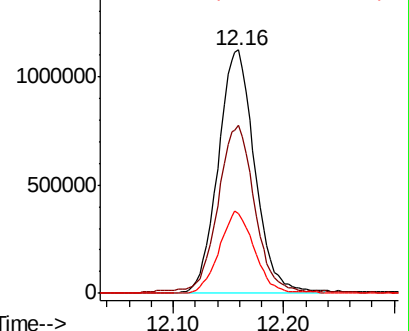
114 32.5 28.5 34.9



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: 8.958 ppbv

RT: 12.72 min Scan# 3089

Delta R.T. 0.01 min

Lab File: VL036920.D

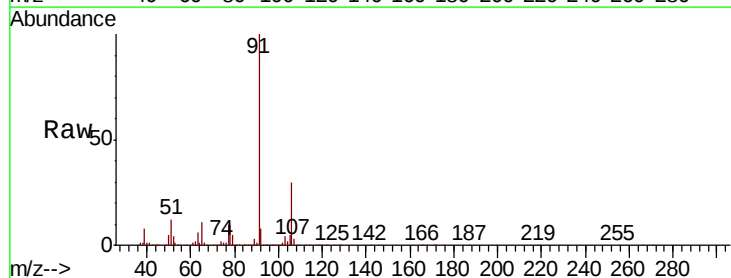
Acq: 7 May 2021 15:32

Tgt Ion: 91 Resp: 4569970

Ion Ratio Lower Upper

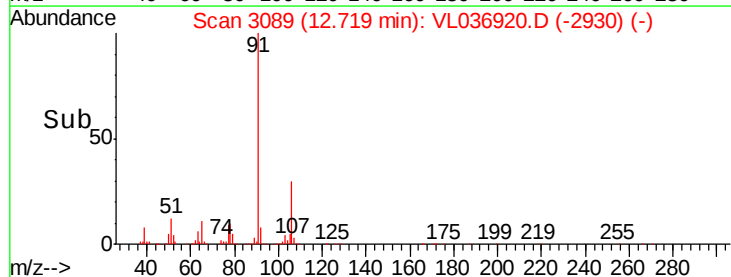
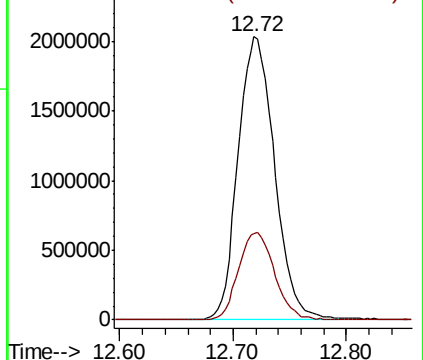
91 100

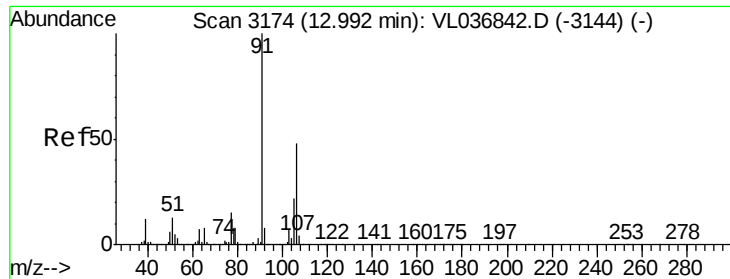
106 30.5 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

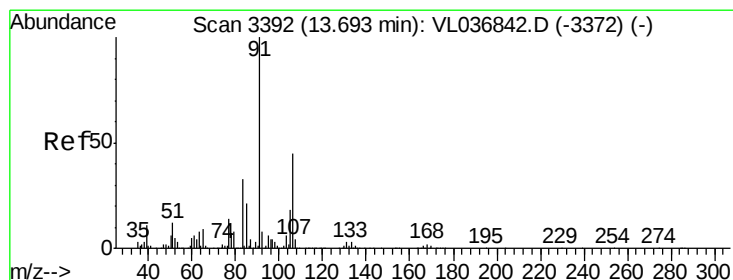
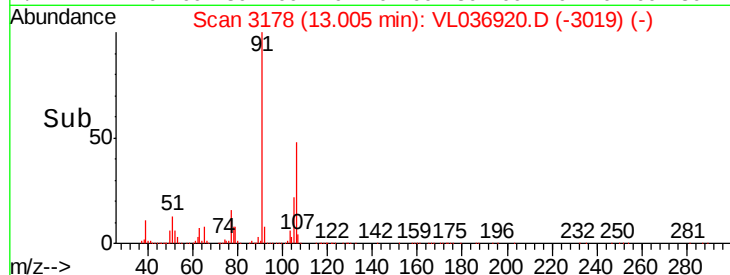
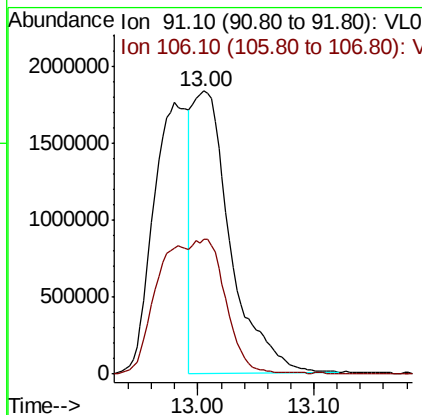
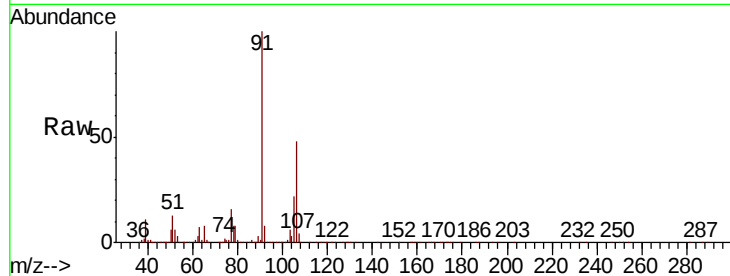




#59
m/p-Xylene
Concen: 9.109 ppbv
RT: 13.00 min Scan# 3178
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

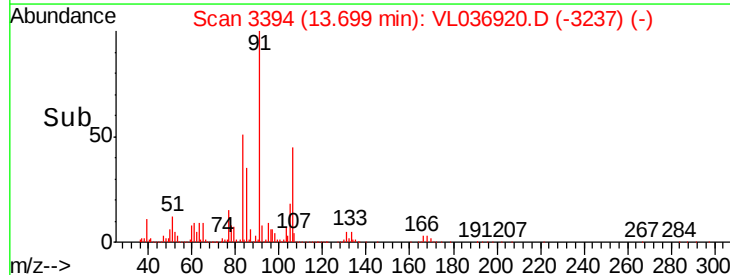
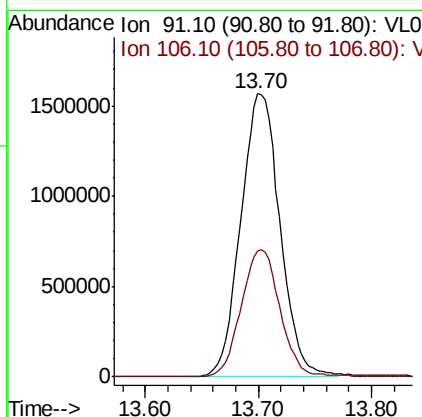
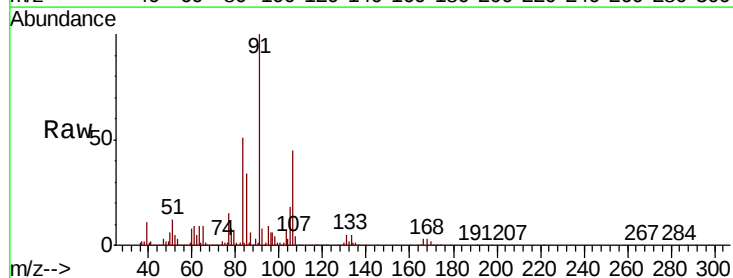
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

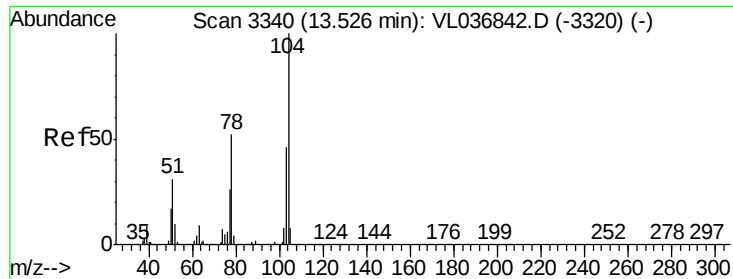
Tot Ion: 91 Resp: 4153473
Ion Ratio Lower Upper
91 100
106 84.4 35.8 53.6#



#60
o-Xylene
Concen: 8.539 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion: 91 Resp: 3764929
Ion Ratio Lower Upper
91 100
106 44.9 22.6 67.7





#61

Stvrene

Concen: 9.422 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

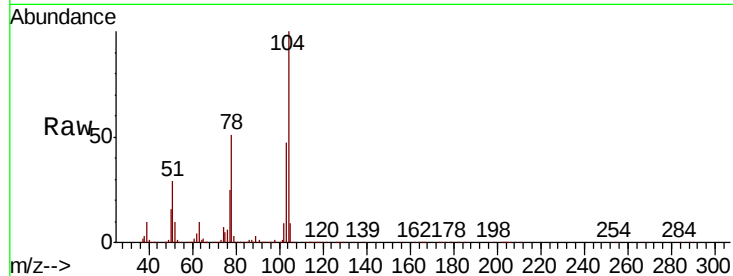
Tot Ion:104 Resp: 1950819

Ion Ratio Lower Upper

104 100

78 52.9 42.6 64.0

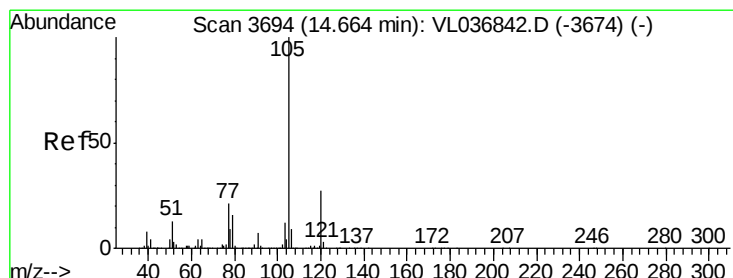
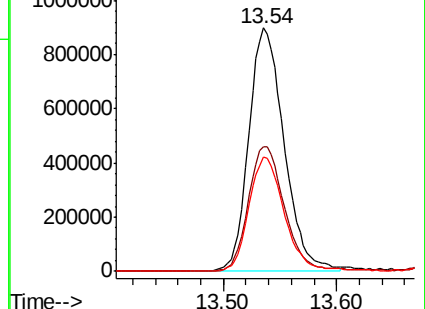
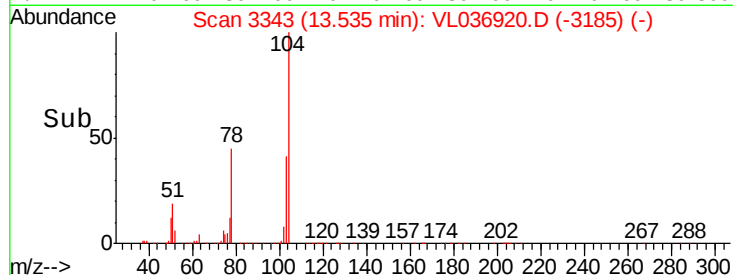
103 47.5 38.1 57.1



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: 8.554 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. 0.01 min

Lab File: VL036920.D

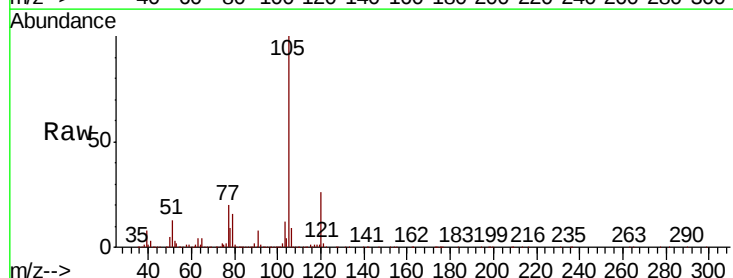
Acq: 7 May 2021 15:32

Tgt Ion:105 Resp: 5131007

Ion Ratio Lower Upper

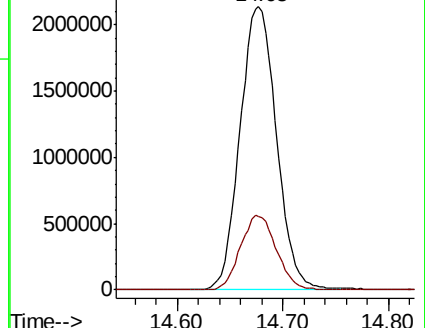
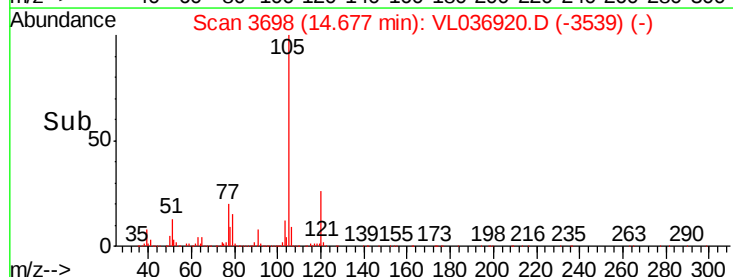
105 100

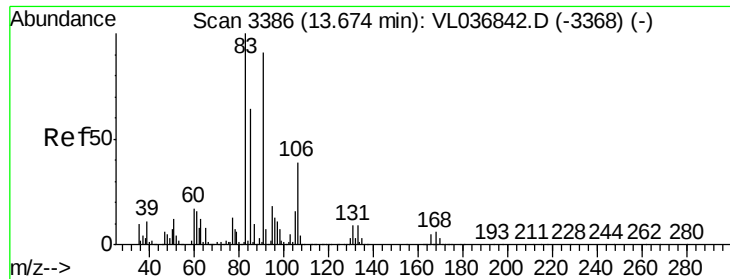
120 25.9 21.1 31.7



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: 8.162 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

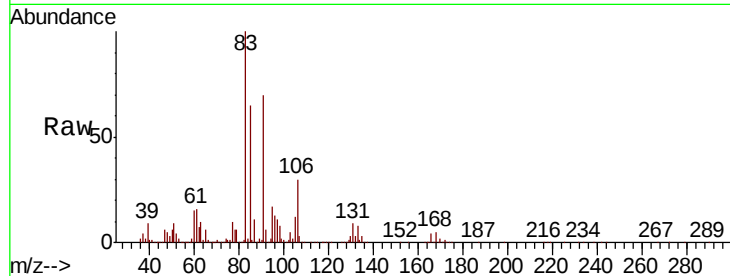
Tot Ion: 83 Resp: 2884843

Ion Ratio Lower Upper

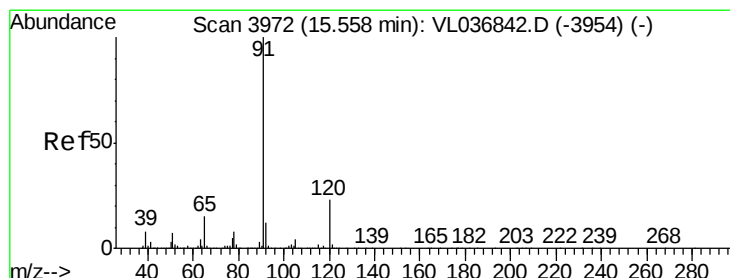
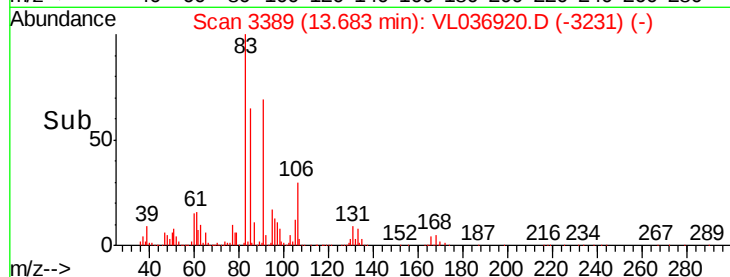
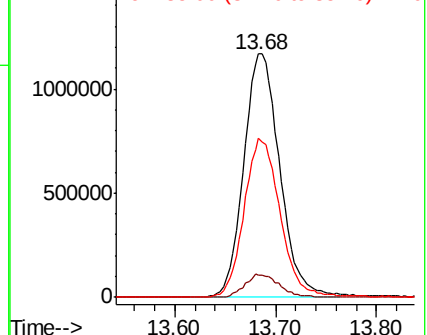
83 100

131 9.2 4.8 14.3

85 65.4 32.8 98.4



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: 9.101 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VL036920.D

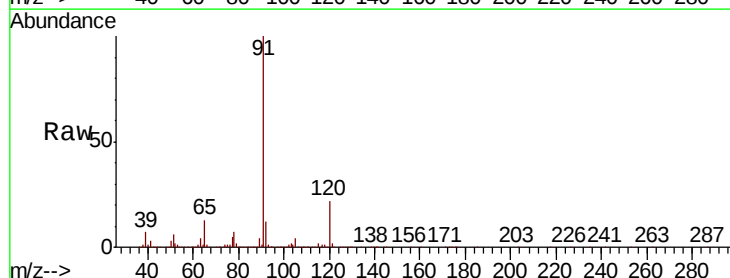
Acq: 7 May 2021 15:32

Tgt Ion:120 Resp: 1360620

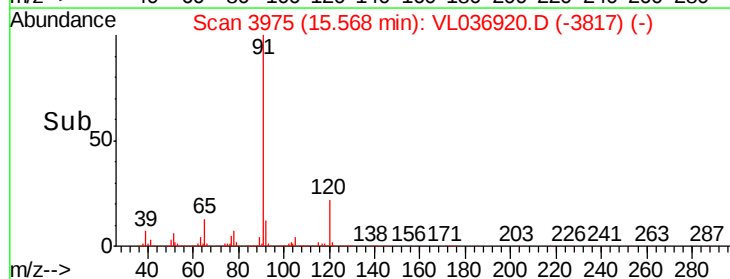
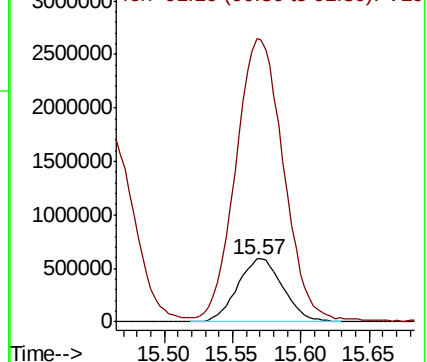
Ion Ratio Lower Upper

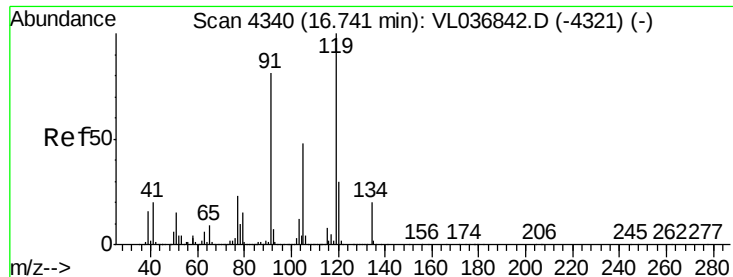
120 100

91 476.8 378.6 567.8



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0

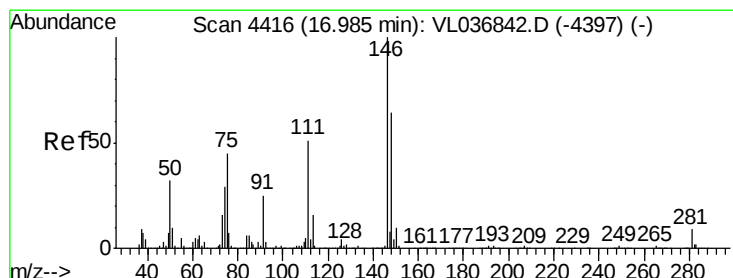
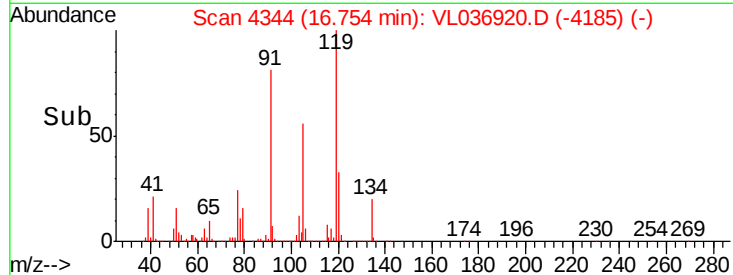
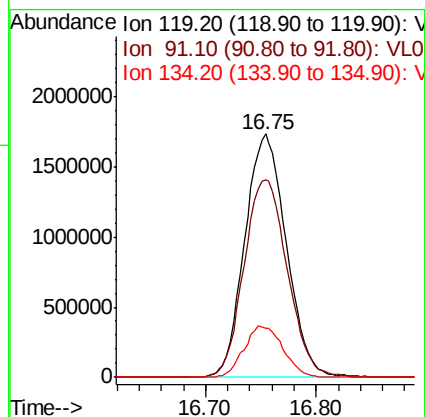
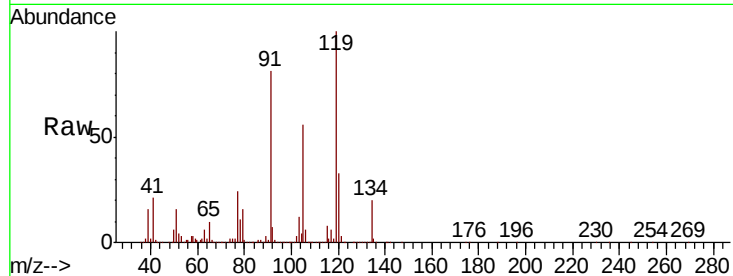




#65
tert-Butylbenzene
Concen: 8.503 ppbv
RT: 16.75 min Scan# 4344
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

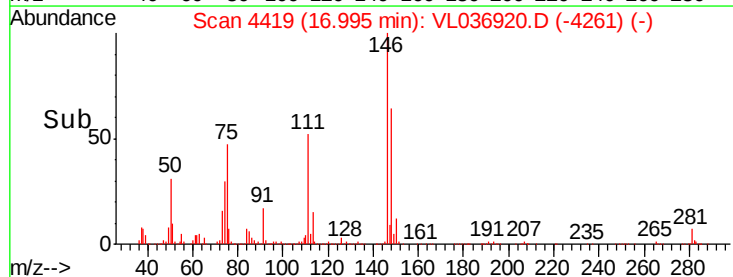
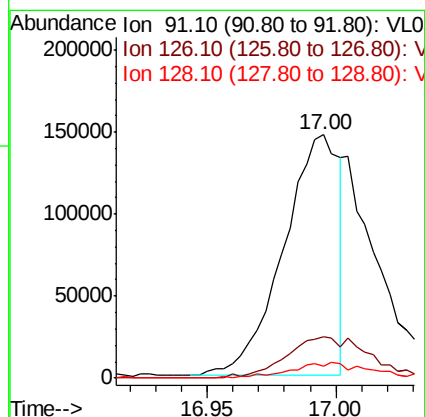
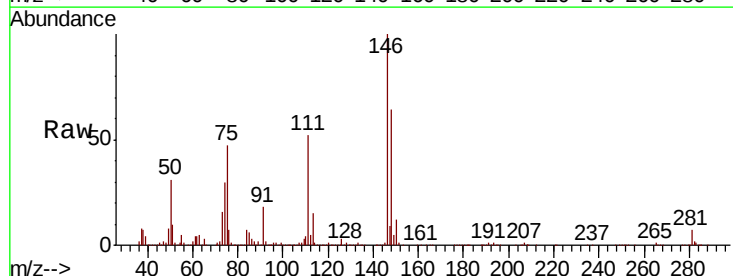
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

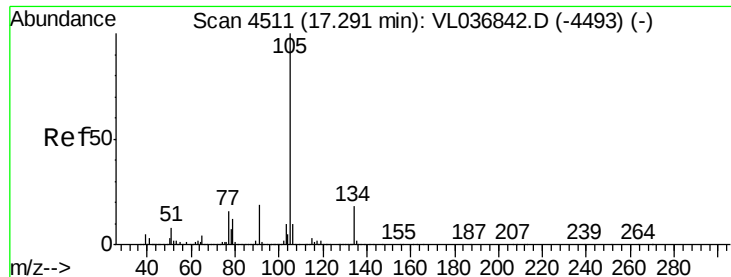
Tot Ion:119 Resp: 4509734
Ion Ratio Lower Upper
119 100
91 85.3 67.0 100.6
134 20.1 15.8 23.6



#66
Benzyl Chloride
Concen: 4.263 ppbv
RT: 17.00 min Scan# 4419
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion: 91 Resp: 221053
Ion Ratio Lower Upper
91 100
126 27.3 14.1 21.1#
128 9.8 4.8 7.2#

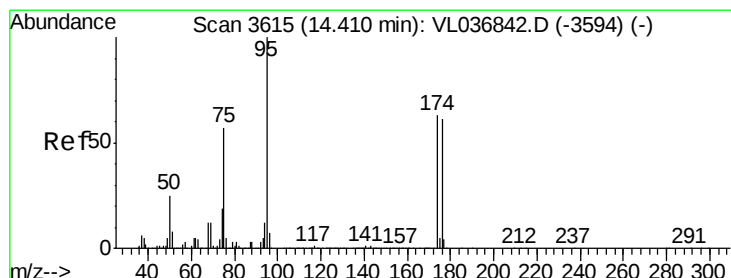
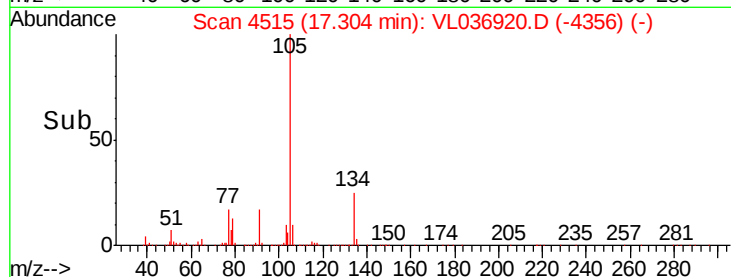
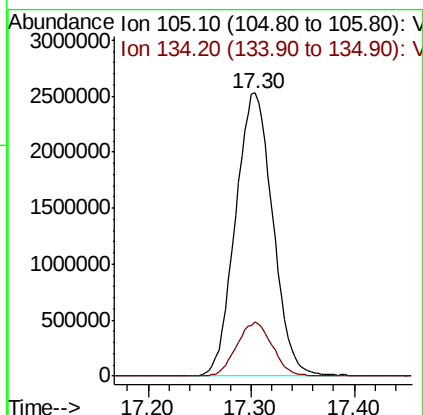
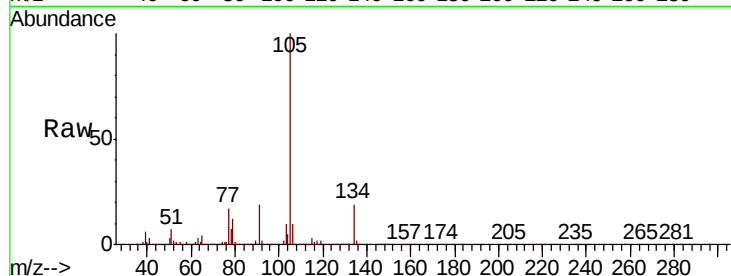




#67
 sec-Butylbenzene
 Concen: 8.623 ppbv
 RT: 17.30 min Scan# 4515
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

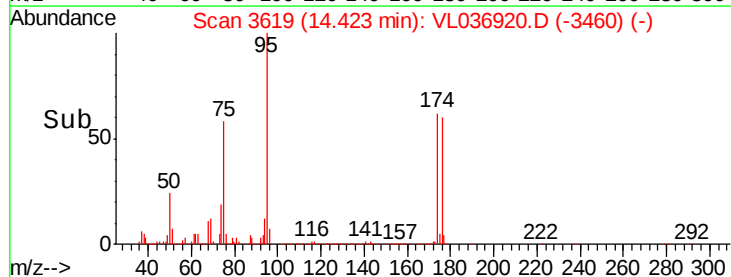
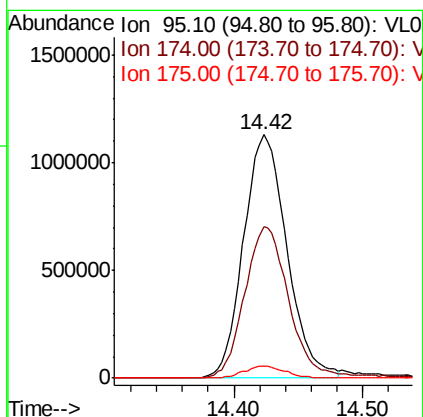
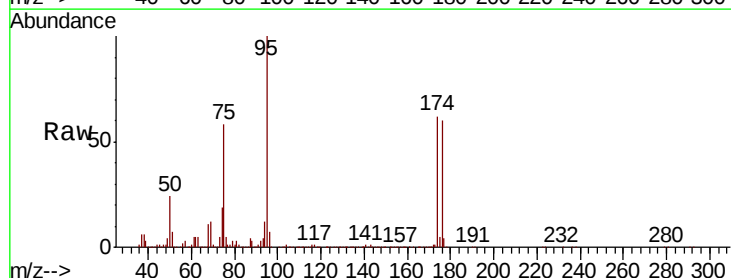
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

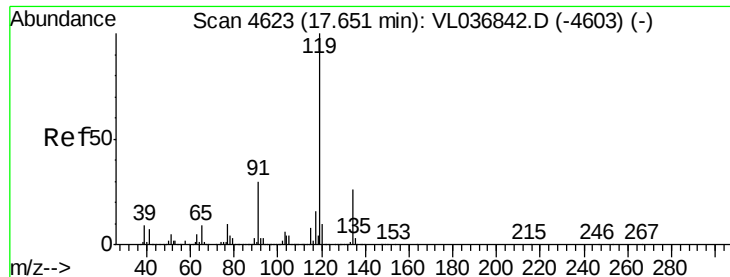
Tot Ion:105 Resp: 6350644
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.191 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Tgt Ion: 95 Resp: 2644647
 Ion Ratio Lower Upper
 95 100
 174 64.8 52.2 78.2
 175 4.8 4.0 6.0

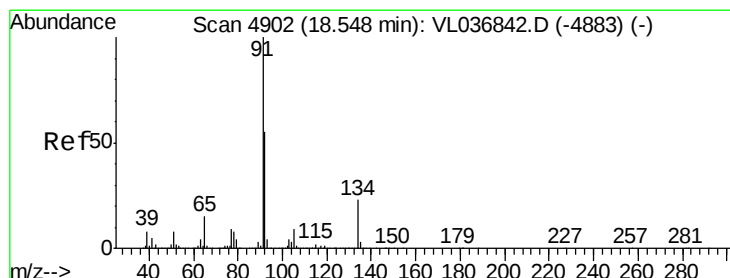
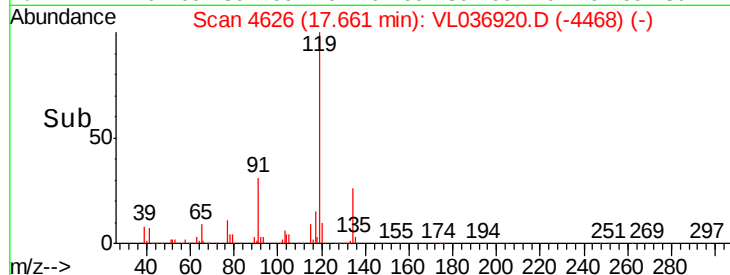
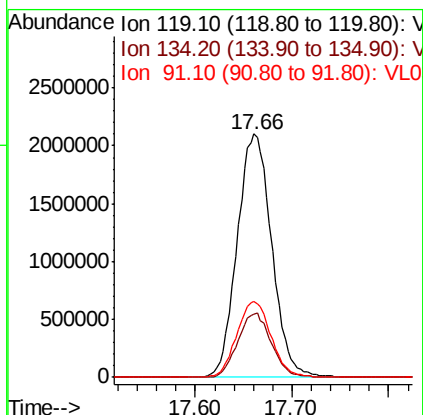
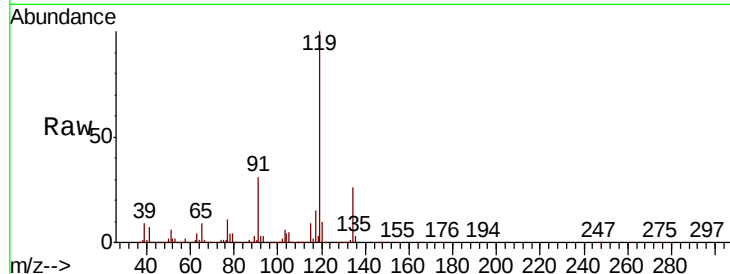




#69
p-Isopropyltoluene
Concen: 8.807 ppbv
RT: 17.66 min Scan# 4626
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

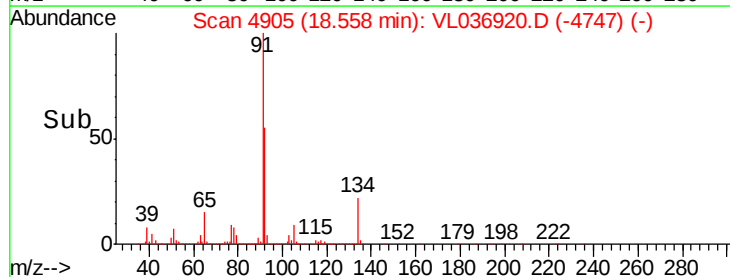
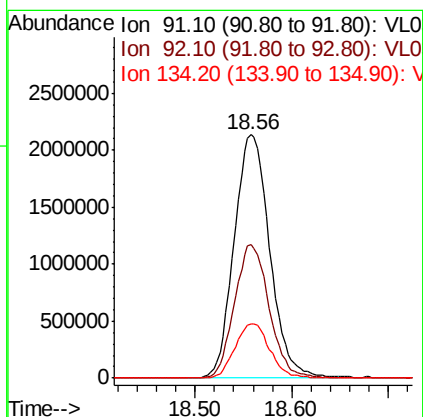
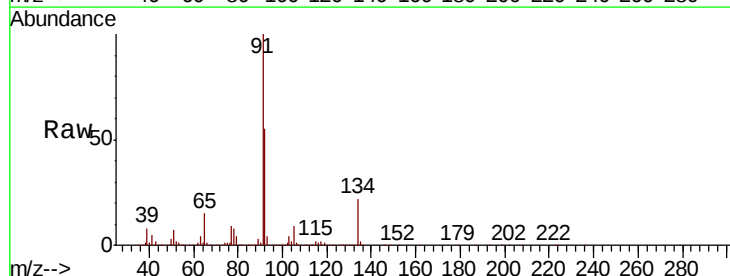
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

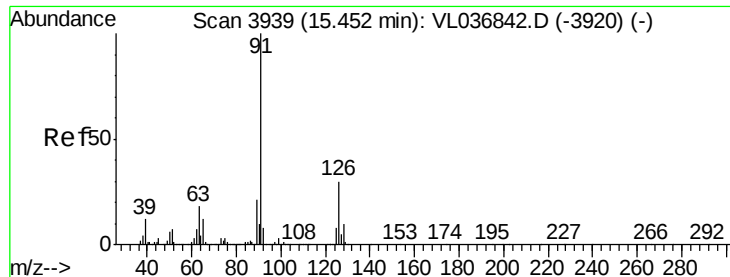
Tot Ion: 119 Resp: 5199737
Ion Ratio Lower Upper
119 100
134 25.8 20.6 31.0
91 31.0 24.2 36.4



#70
n-Butylbenzene
Concen: 9.182 ppbv
RT: 18.56 min Scan# 4905
Delta R.T. 0.01 min
Lab File: VL036920.D
Acq: 7 May 2021 15:32

Tgt Ion: 91 Resp: 5464621
Ion Ratio Lower Upper
91 100
92 53.8 43.5 65.3
134 22.0 18.2 27.4

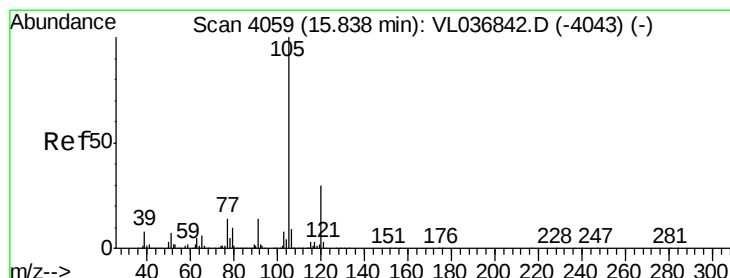
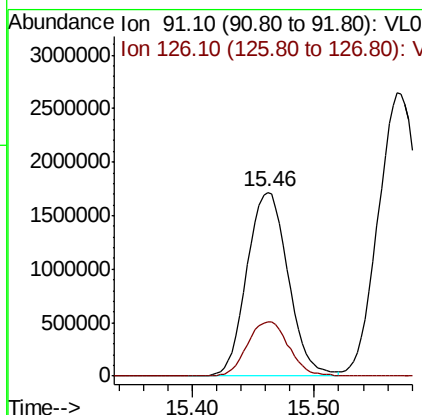
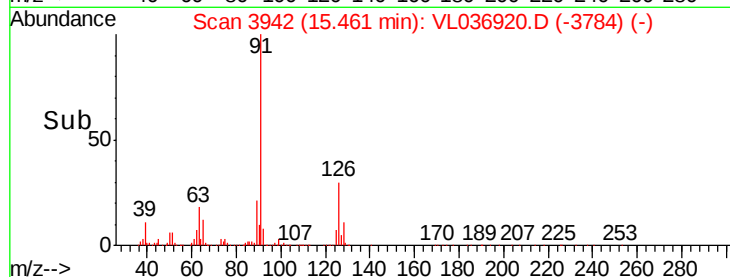
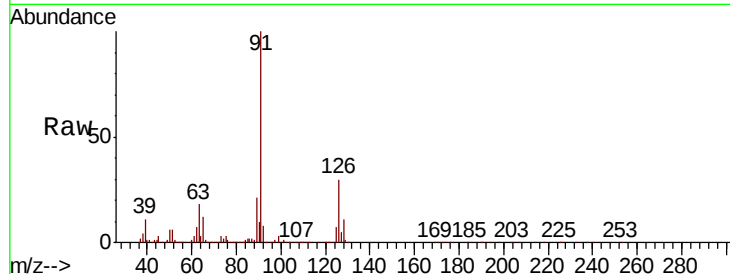




#71
 2-Chlorotoluene
 Concen: 9.061 ppbv
 RT: 15.46 min Scan# 3942
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

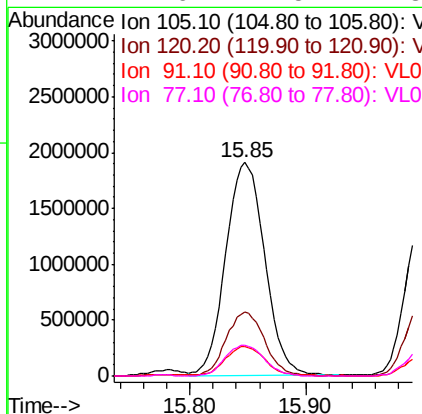
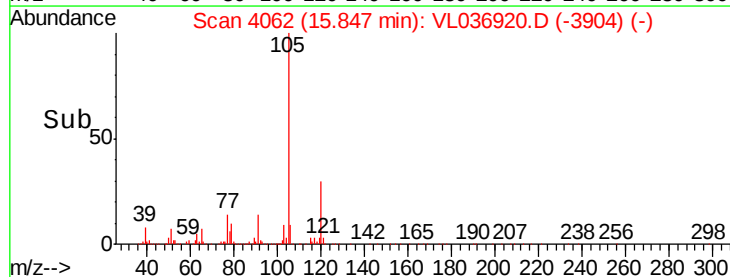
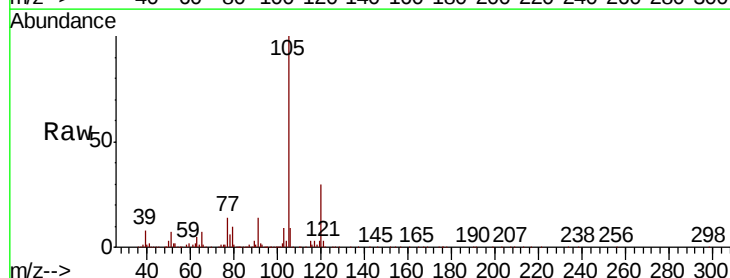
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

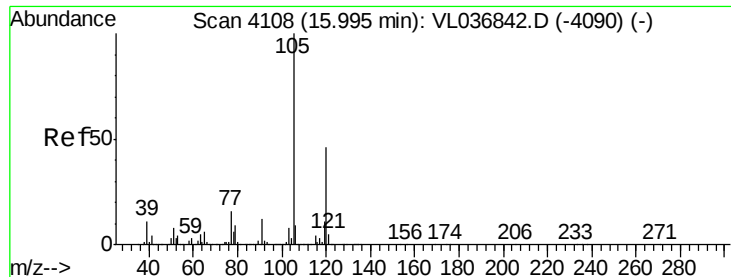
Tot Ion: 91 Resp: 4025700
 Ion Ratio Lower Upper
 91 100
 126 30.4 12.3 49.3



#72
 4-Ethyltoluene
 Concen: 9.366 ppbv
 RT: 15.85 min Scan# 4062
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Tgt Ion:105 Resp: 4432231
 Ion Ratio Lower Upper
 105 100
 120 29.9 23.8 35.6
 91 15.0 10.7 16.1
 77 14.6 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 8.545 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

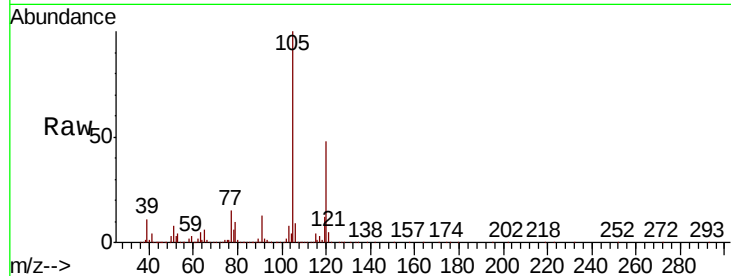
VL0507ABS01

Tot Ion:105 Resp: 3921879

Ion Ratio Lower Upper

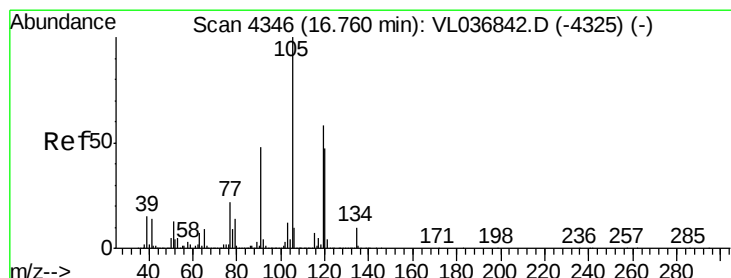
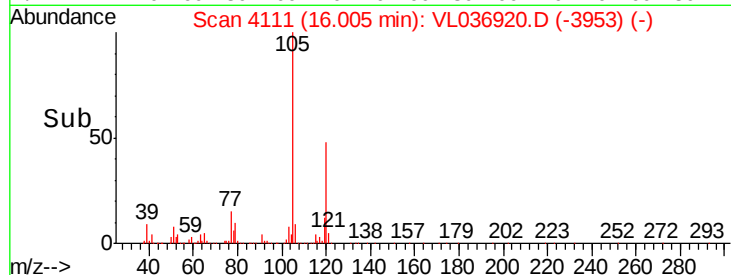
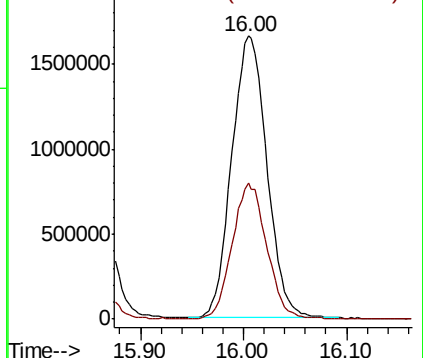
105 100

120 48.4 36.8 55.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.493 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Tgt Ion:105 Resp: 4140189

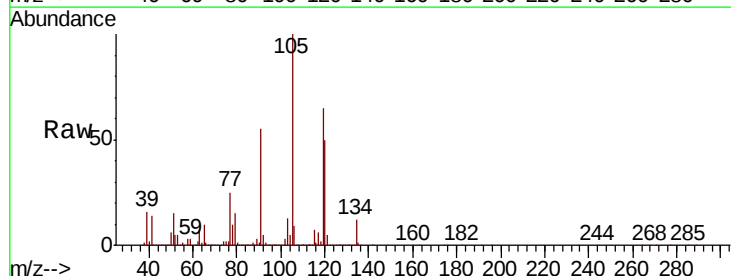
Ion Ratio Lower Upper

105 100

120 49.6 37.6 56.4

91 54.5 39.0 58.4

77 24.6 17.4 26.0

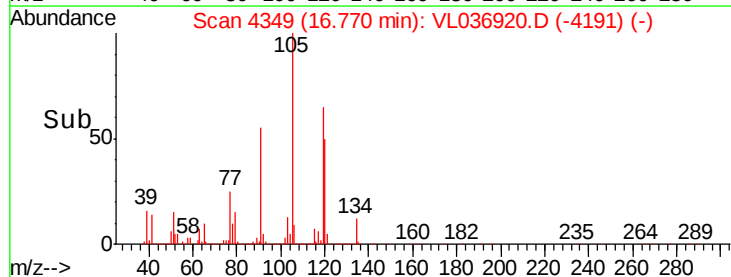
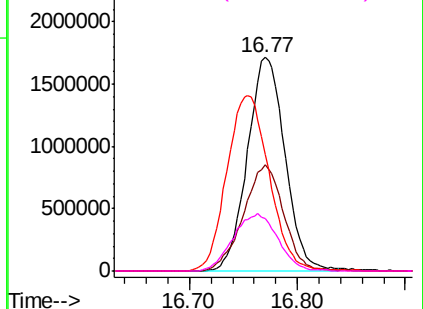


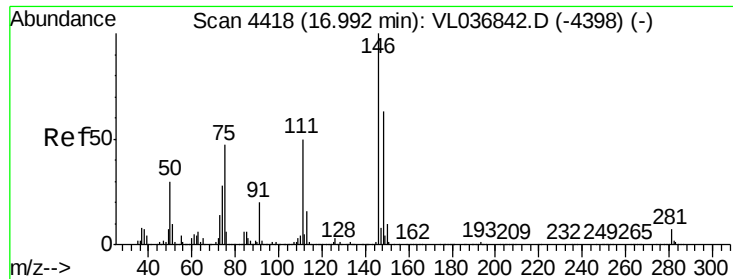
Abundance Ion 105.10 (104.80 to 105.80): V

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

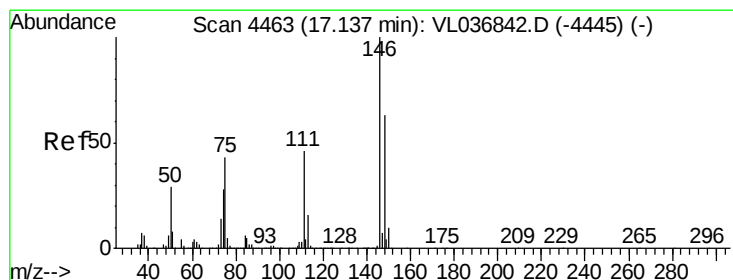
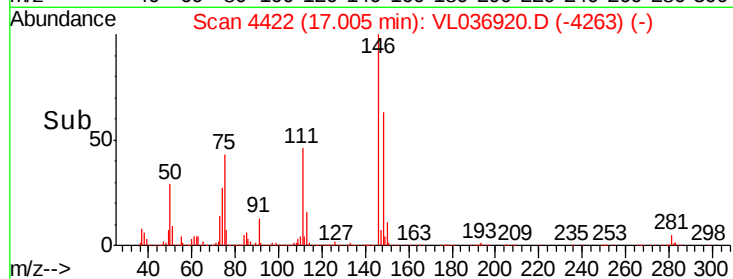
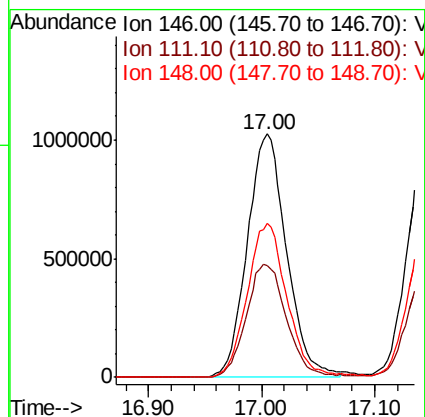
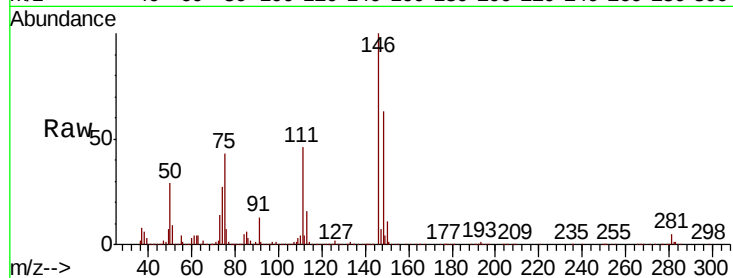




#75
 1,3-Dichlorobenzene
 Concen: 8.570 ppbv
 RT: 17.00 min Scan# 4422
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

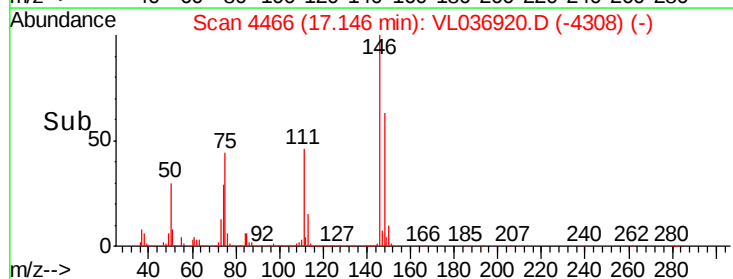
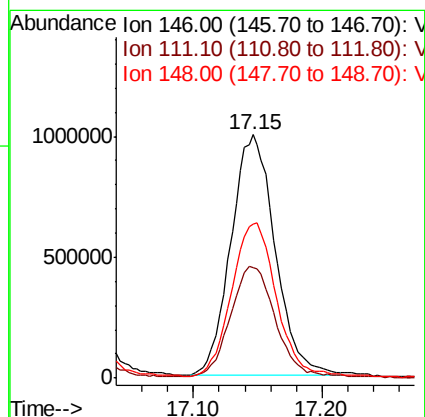
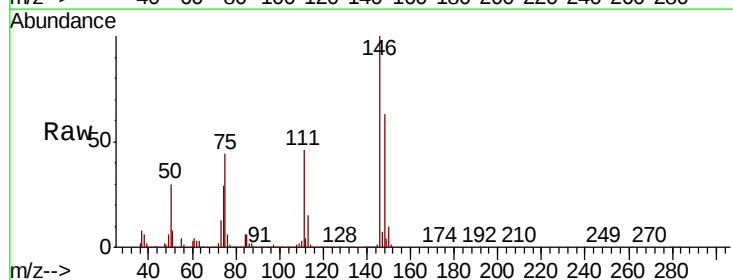
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

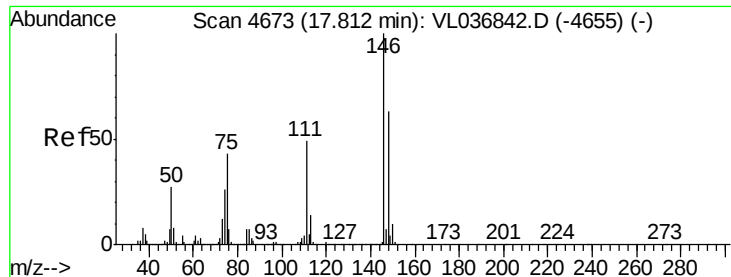
Tot Ion:146 Resp: 2469688
 Ion Ratio Lower Upper
 146 100
 111 48.0 24.2 72.6
 148 64.5 32.1 96.3



#76
 1,4-Dichlorobenzene
 Concen: 8.341 ppbv
 RT: 17.15 min Scan# 4466
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Tgt Ion:146 Resp: 2352362
 Ion Ratio Lower Upper
 146 100
 111 48.4 24.3 72.8
 148 66.8 32.4 97.0

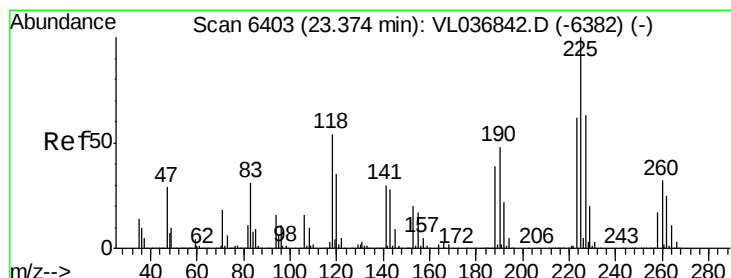
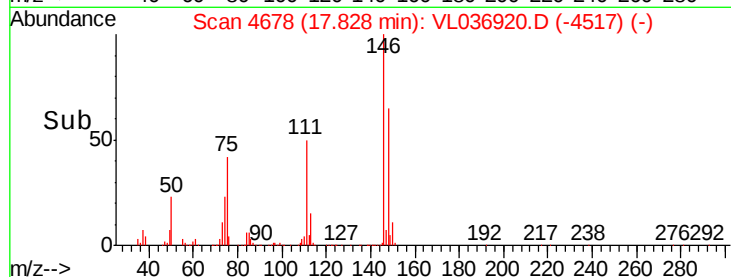
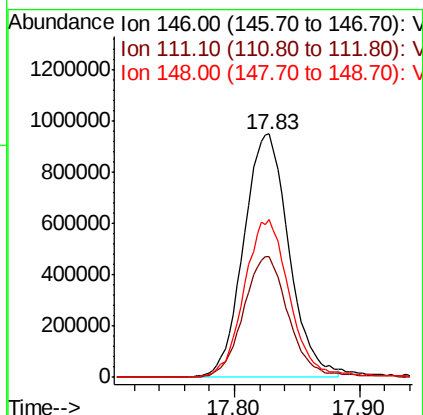
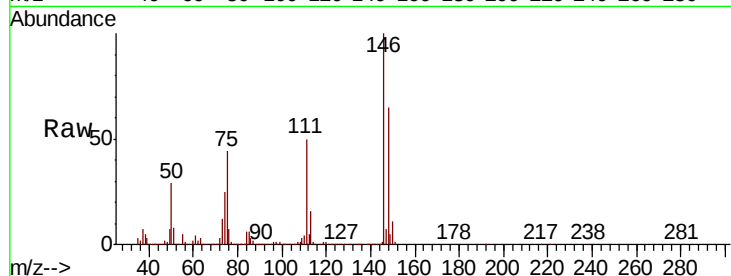




#77
 1,2-Dichlorobenzene
 Concen: 8.395 ppbv
 RT: 17.83 min Scan# 4678
 Delta R.T. 0.02 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

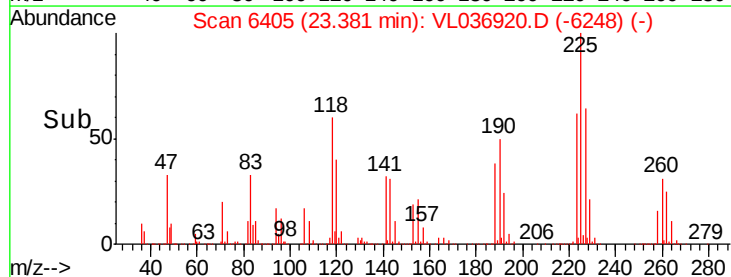
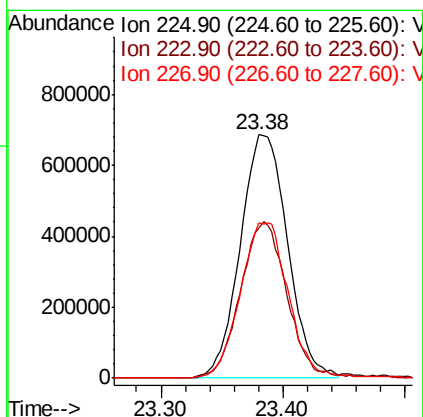
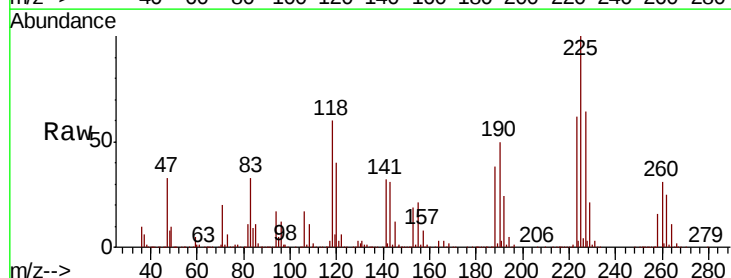
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

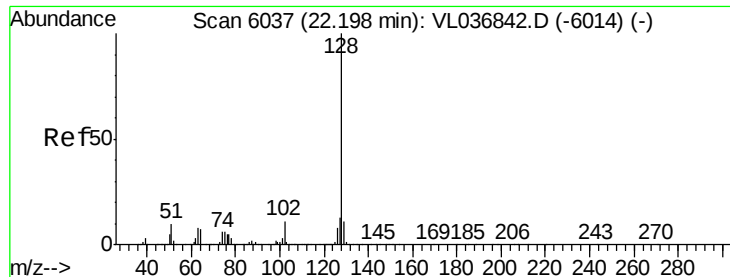
Tot Ion:146 Resp: 2363067
 Ion Ratio Lower Upper
 146 100
 111 50.1 25.0 75.0
 148 65.0 32.4 97.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.680 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. 0.01 min
 Lab File: VL036920.D
 Acq: 7 May 2021 15:32

Tgt Ion:225 Resp: 1836801
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.2 76.8
 227 65.6 51.8 77.6





#79

Naphthalene

Concen: 9.976 ppbv

RT: 22.21 min Scan# 6040

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

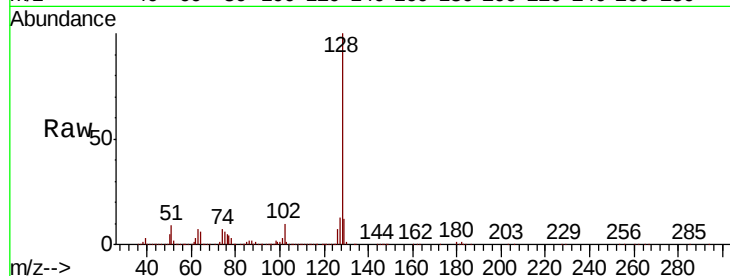
Tot Ion:128 Resp: 2723695

Ion Ratio Lower Upper

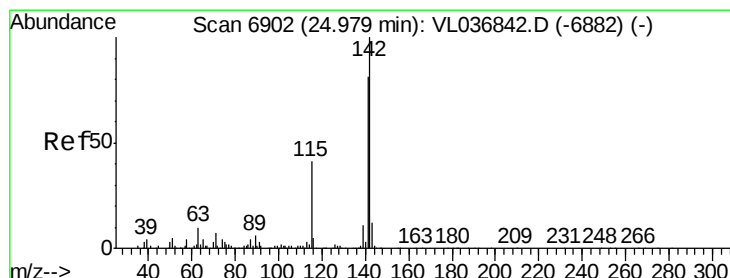
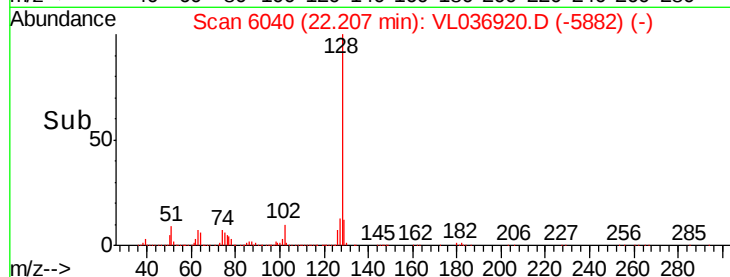
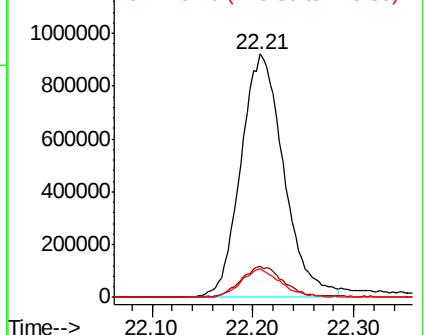
128 100

127 12.9 10.6 15.8

129 11.8 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: 7.611 ppbv

RT: 24.99 min Scan# 6906

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

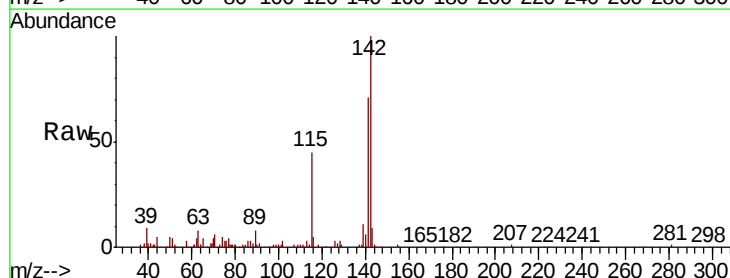
Tgt Ion:142 Resp: 229140

Ion Ratio Lower Upper

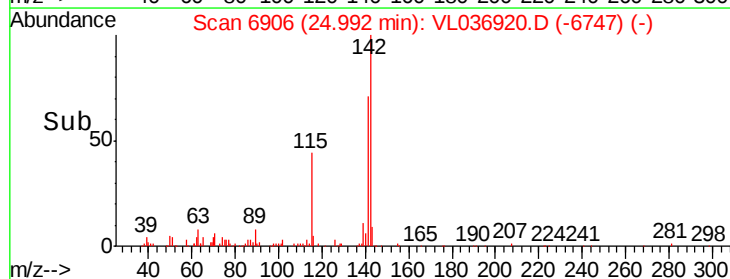
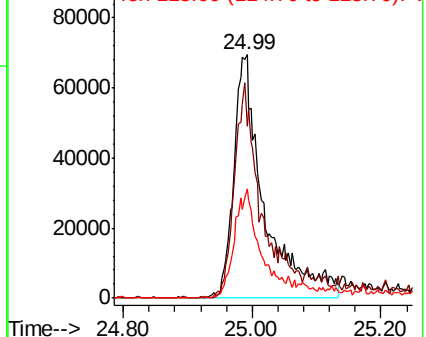
142 100

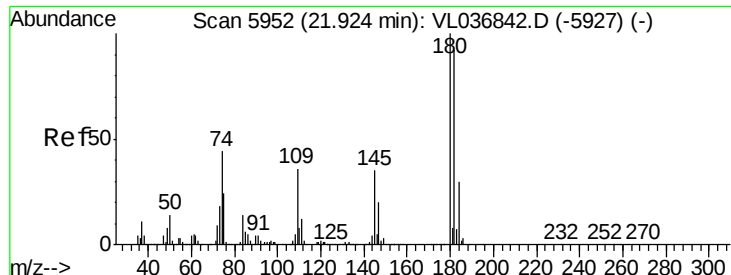
141 76.6 62.6 93.8

115 42.5 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: 9.324 ppbv

RT: 21.93 min Scan# 5955

Delta R.T. 0.01 min

Lab File: VL036920.D

Acq: 7 May 2021 15:32

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

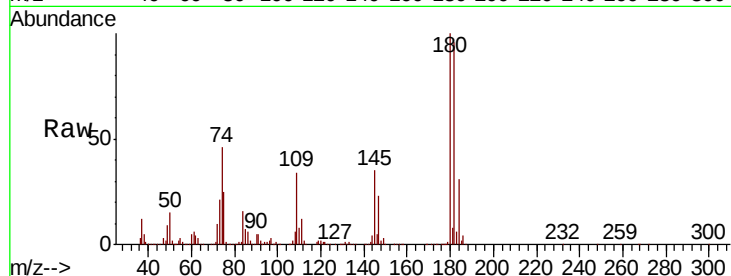
Tot Ion:180 Resp: 1646679

Ion Ratio Lower Upper

180 100

182 102.1 80.9 121.3

184 33.1 25.3 37.9



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

