

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038966.D
 Acq On : 5 May 2022 9:45
 Operator : SY/AP
 Sample : VL0505ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 06 07:26:39 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 07:41:27 2022
 QLast Update : Thu May 05 07:41:27 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1255789	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2974792	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3428033	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2266286	8.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1848389	9.394	ppbv	98
3) Chlorodifluoromethane	2.99	51	1486973	9.542	ppbv	99
4) Chloromethane	3.14	50	736494	9.438	ppbv	99
5) Vinyl Chloride	3.26	62	700820	9.835	ppbv	97
6) Bromomethane	3.47	94	352110	10.460	ppbv	96
7) Chloroethane	3.55	64	241249	10.115	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	1766965	9.909	ppbv	98
9) Propene	3.01	41	631571	9.281	ppbv	96
10) Heptane	8.11	43	1588875	9.517	ppbv	98
11) Trichlorofluoromethane	3.95	101	1692984	10.028	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1173530	10.091	ppbv	98
13) Ethanol	3.61	45	10982	2.067	ppbv #	1
14) Bromoethene	3.74	108	506341	10.558	ppbv	98
15) Acetone	3.84	43	1173633	9.908	ppbv	99
16) 1,3-Butadiene	3.33	39	676095	9.934	ppbv	100
17) tert-Butyl alcohol	4.28	59	1049202	11.524	ppbv	98
18) 1,1-Dichloroethene	4.29	96	535413	10.697	ppbv	99
19) Isopropyl Alcohol	3.95	45	633922	11.255	ppbv	100
20) Methylene Chloride	4.34	84	433935	9.719	ppbv	98
21) Allyl Chloride	4.40	41	840331	10.410	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	561038	10.377	ppbv	97
23) Vinyl Acetate	5.07	43	1026211	10.949	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1093483	10.132	ppbv	99
25) Ethyl Acetate	5.66	43	2825751	9.966	ppbv	100
26) Hexane	5.68	57	1190228	9.448	ppbv	99
27) Carbon Disulfide	4.54	76	1345324	11.242	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	997590	10.408	ppbv	99
29) Chloroform	5.74	83	1995367	9.790	ppbv	99
30) Cyclohexane	7.12	84	995856	9.442	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1273684	9.924	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2022359	9.924	ppbv	99
34) 2-Butanone	5.23	43	1354995	8.928	ppbv	97
35) Carbon Tetrachloride	7.01	117	2080834	10.616	ppbv	98
36) Benzene	6.88	78	2430222	9.546	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1669484	10.599	ppbv	98
38) Trichloroethene	7.82	130	1058569	9.354	ppbv	98
39) 1,2-Dichloropropane	7.60	63	963813	9.730	ppbv	91
40) 1,4-Dioxane	7.82	88	164863	4.634	ppbv #	1
41) Tetrahydrofuran	6.04	42	1030533	10.103	ppbv	98
42) Bromodichloromethane	7.78	83	2204106	10.235	ppbv	97
43) Methyl Methacrylate	8.00	69	1050052	10.160	ppbv	99

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Quant Time: May 06 07:26:39 2022
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4206927	9.418	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1173746	11.732	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1443538	10.881	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	983739	9.549	ppbv	98
48) Dibromochloromethane	10.29	129	1730069	10.317	ppbv	99
49) Bromoform	13.02	173	1300598	10.170	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	2522762	9.480	ppbv	97
51) 2-Hexanone	10.11	43	2065346	10.633	ppbv	100
52) Tetrachloroethene	11.21	164	826428	9.084	ppbv	96
53) Toluene	9.79	91	2784069	9.757	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1410041	10.053	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1183165	7.866	ppbv	98
57) Chlorobenzene	12.13	112	1948772	7.584	ppbv	99
58) Ethyl Benzene	12.69	91	3711504	7.523	ppbv	98
59) m/p-Xylene	12.98	91	3328816	7.904	ppbv #	40
60) o-Xylene	13.68	91	2968472	7.489	ppbv	99
61) Styrene	13.51	104	1710469	8.083	ppbv	99
62) Isopropylbenzene	14.65	105	4235100	8.370	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	1630864	6.987	ppbv	99
64) n-propylbenzene	15.55	120	1075609	7.675	ppbv	96
65) tert-Butylbenzene	16.73	119	3733525	7.351	ppbv	99
66) Benzyl Chloride	16.97	91	604624	9.107	ppbv	98
67) sec-Butylbenzene	17.27	105	5393892	7.433	ppbv	99
69) p-Isopropyltoluene	17.63	119	4530561	7.728	ppbv	100
70) n-Butylbenzene	18.53	91	5084198	8.163	ppbv	100
71) 2-Chlorotoluene	15.44	91	3200611	7.162	ppbv	99
72) 4-Ethyltoluene	15.82	105	3572100	7.908	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	3214616	7.905	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	3410212	7.659	ppbv	96
75) 1,3-Dichlorobenzene	16.98	146	1908981	7.825	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	1905134	7.938	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	1932487	8.009	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1797321	8.105	ppbv	100
79) Naphthalene	22.17	128	3929311	10.864	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	1096958	10.026	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	2024755	9.554	ppbv	100

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

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MSVOA_L
ClientSampleId :

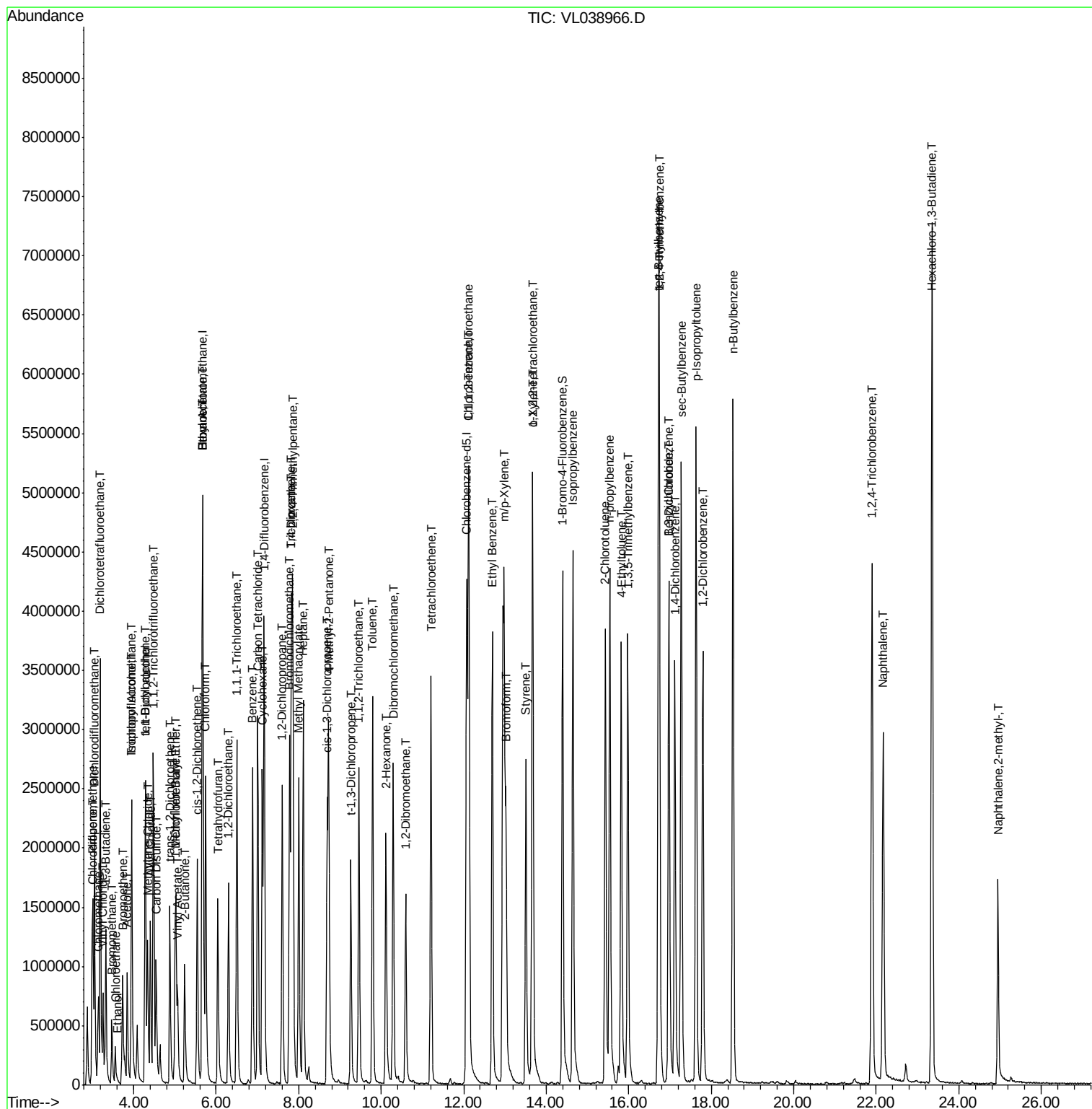
Quant Time: May 06 07:26:39 2022

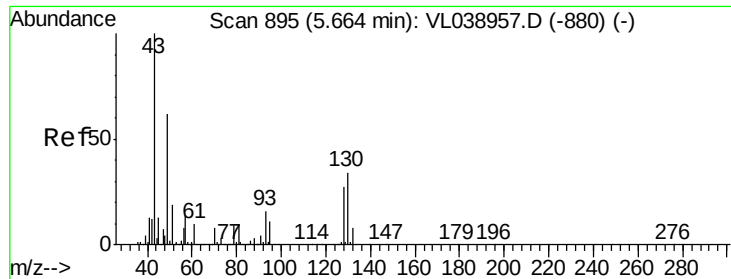
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M

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QLast Update : Thu May 05 07:41:27 2022

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 9:45

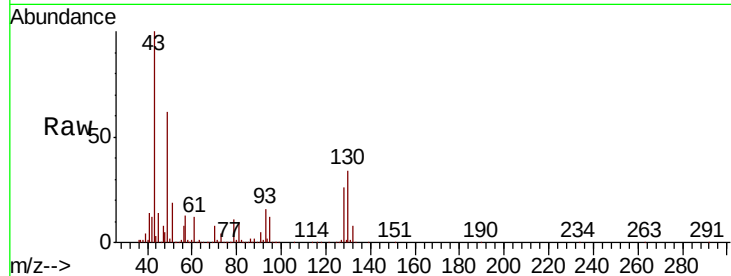
Tot Ion: 49 Resp: 1255789

Ion Ratio Lower Upper

49 100

128 45.5 23.3 69.8

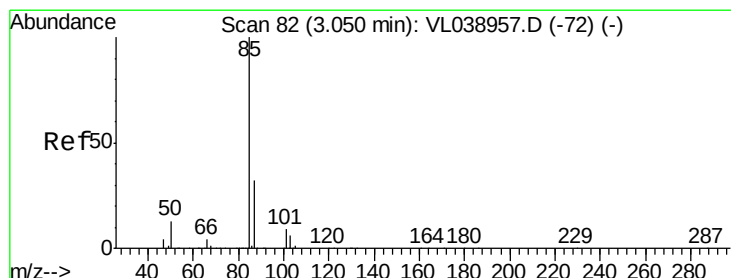
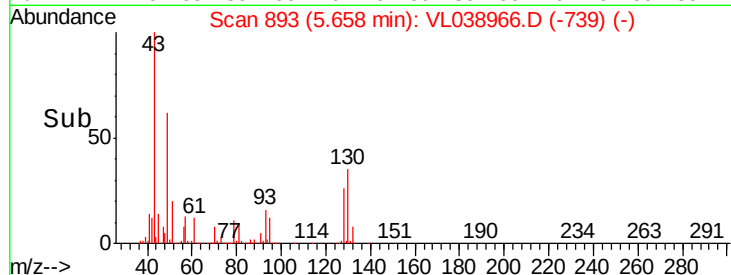
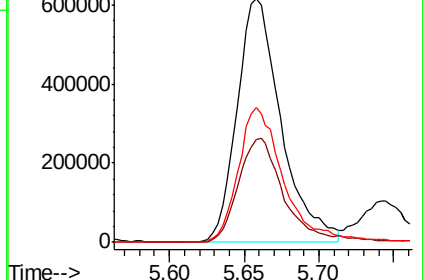
130 58.1 29.8 89.3



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: 9.394 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038966.D

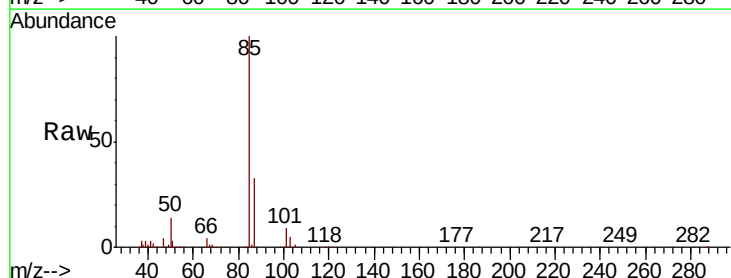
Acq: 5 May 2022 9:45

Tgt Ion: 85 Resp: 1848389

Ion Ratio Lower Upper

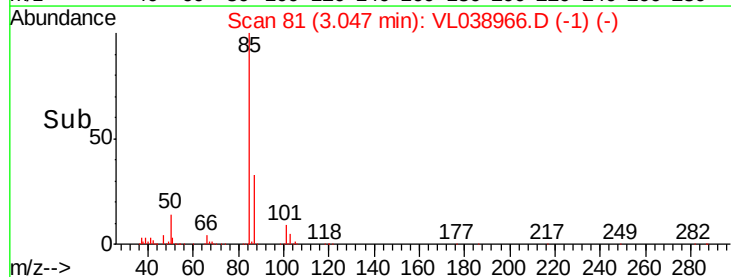
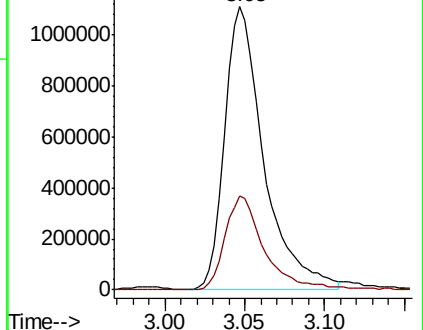
85 100

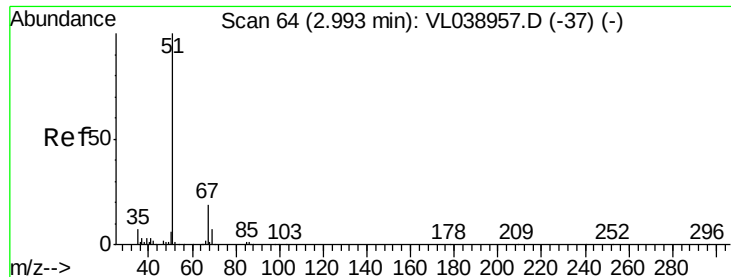
87 33.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.542 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

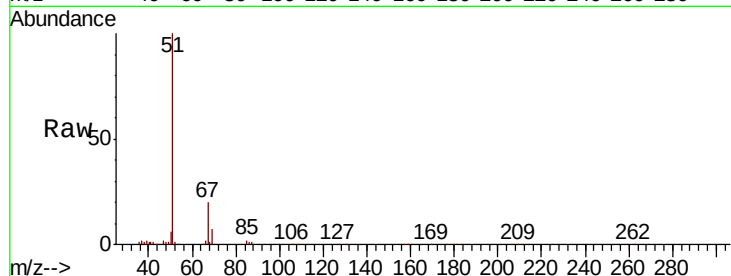
Acq: 5 May 2022 9:45

Tot Ion: 51 Resp: 1486973

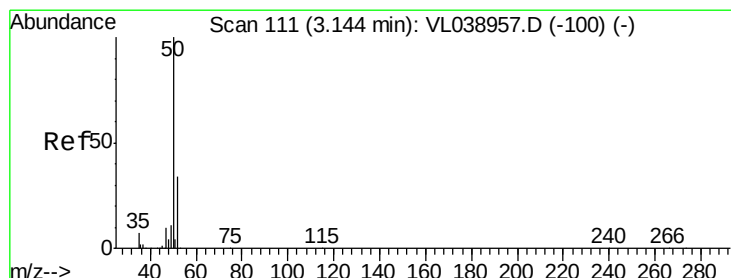
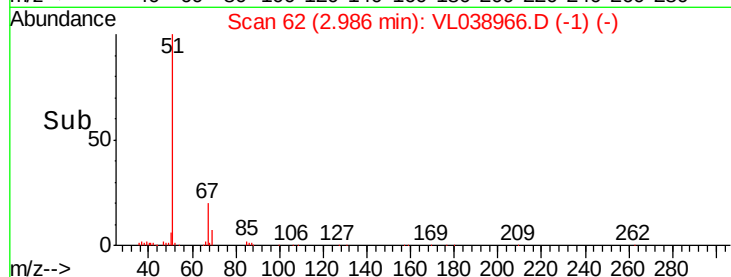
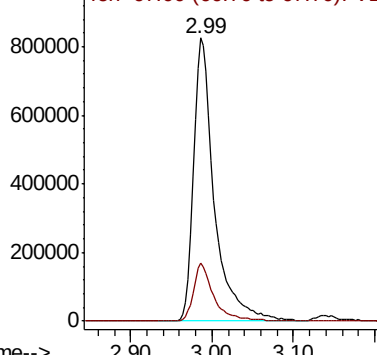
Ion Ratio Lower Upper

51 100

67 20.1 15.8 23.8



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



#4

Chloromethane

Concen: 9.438 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL038966.D

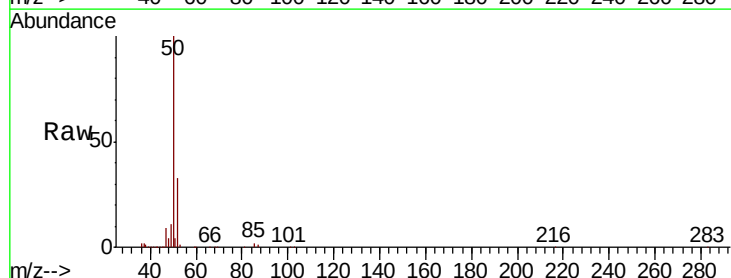
Acq: 5 May 2022 9:45

Tgt Ion: 50 Resp: 736494

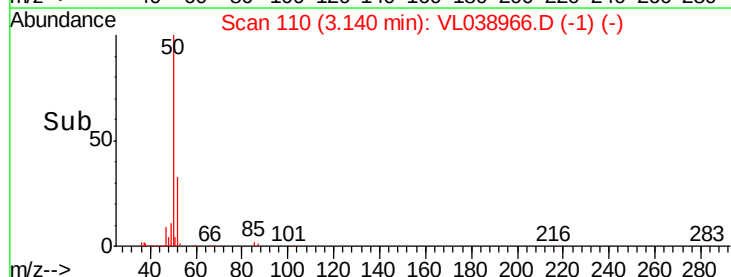
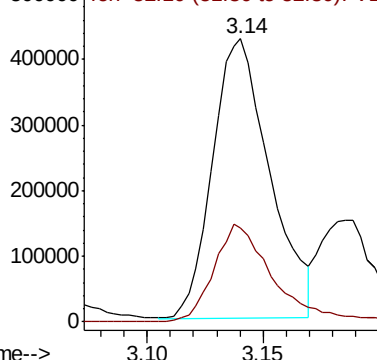
Ion Ratio Lower Upper

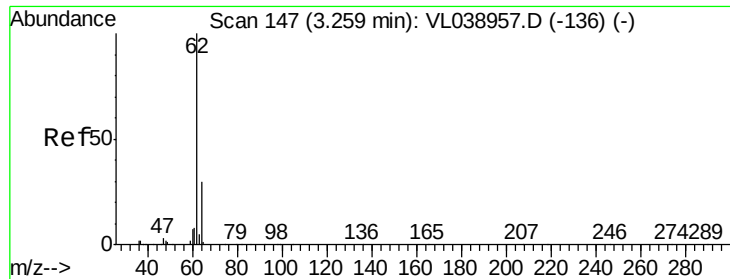
50 100

52 33.7 27.3 40.9



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





#5

Vinyl Chloride

Concen: 9.835 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

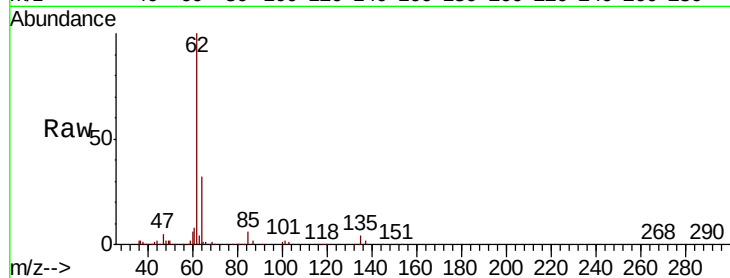
Acq: 5 May 2022 9:45

Tot Ion: 62 Resp: 700820

Ion Ratio Lower Upper

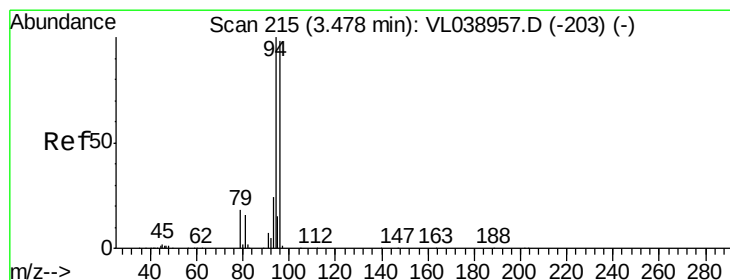
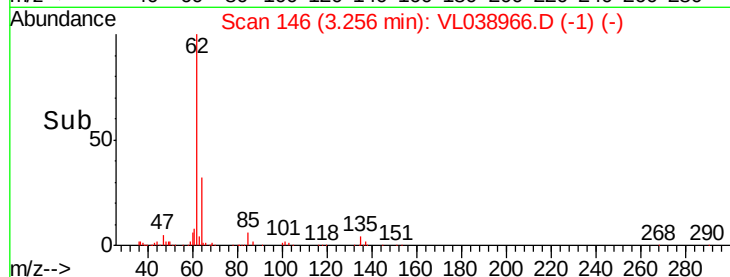
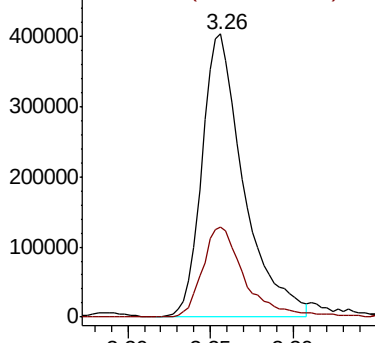
62 100

64 32.0 24.2 36.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.460 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.01 min

Lab File: VL038966.D

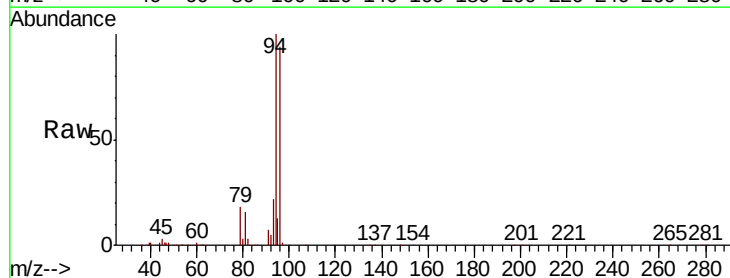
Acq: 5 May 2022 9:45

Tgt Ion: 94 Resp: 352110

Ion Ratio Lower Upper

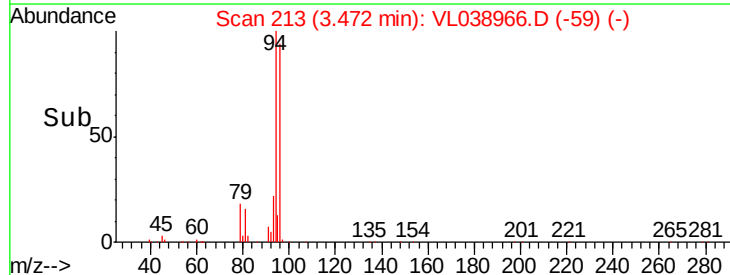
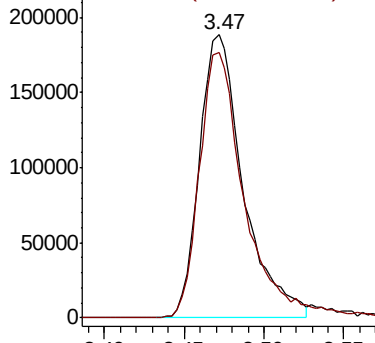
94 100

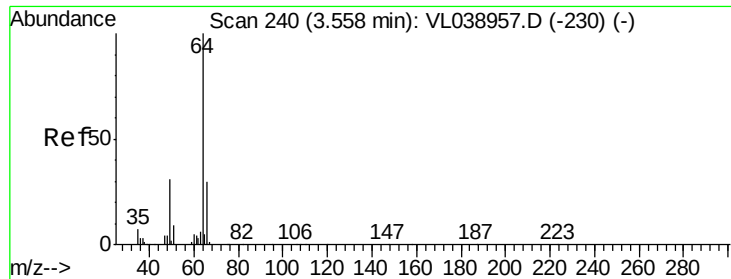
96 93.7 78.1 117.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.115 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

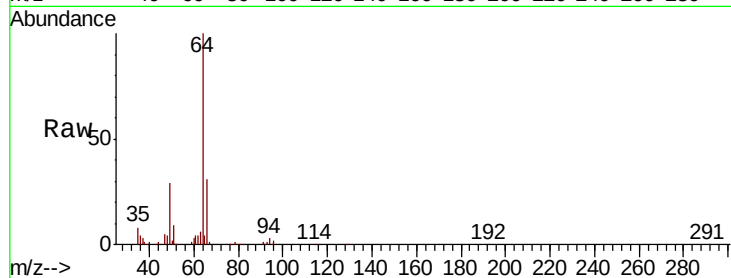
Acq: 5 May 2022 9:45

Tot Ion: 64 Resp: 241249

Ion Ratio Lower Upper

64 100

66 31.3 23.8 35.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

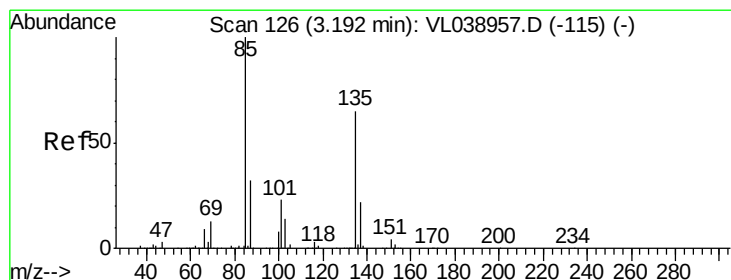
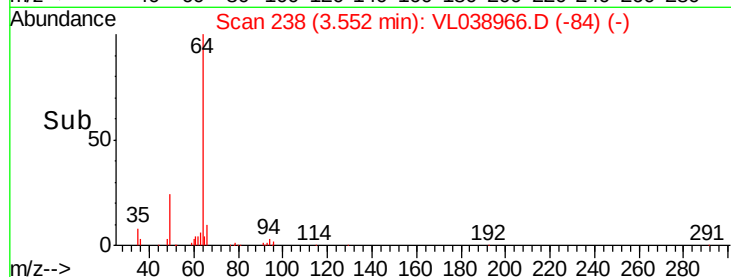
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.909 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.01 min

Lab File: VL038966.D

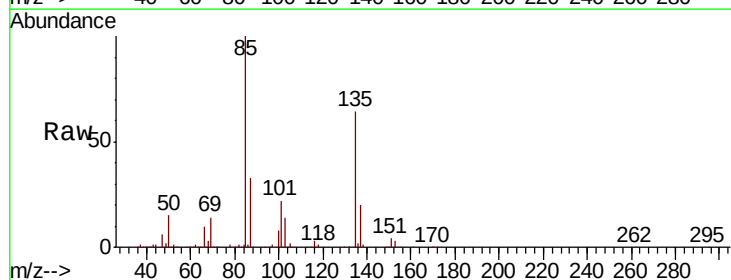
Acq: 5 May 2022 9:45

Tgt Ion: 85 Resp: 1766965

Ion Ratio Lower Upper

85 100

135 65.2 53.6 80.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

1200000

1000000

800000

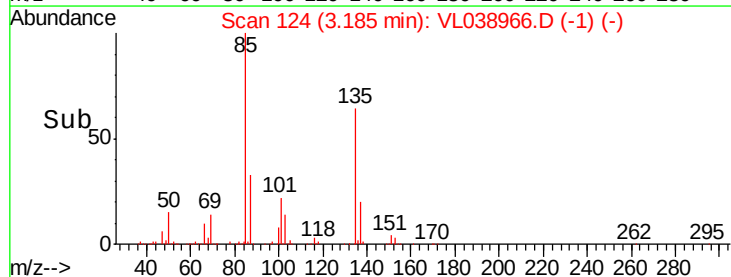
600000

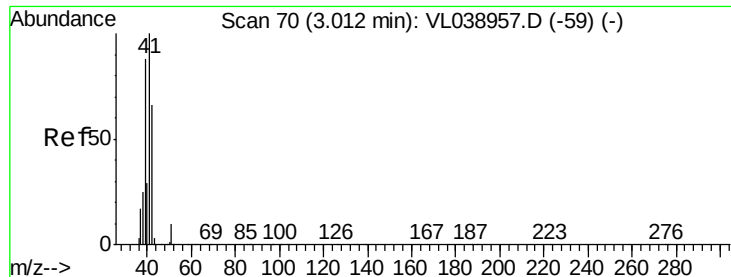
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200000

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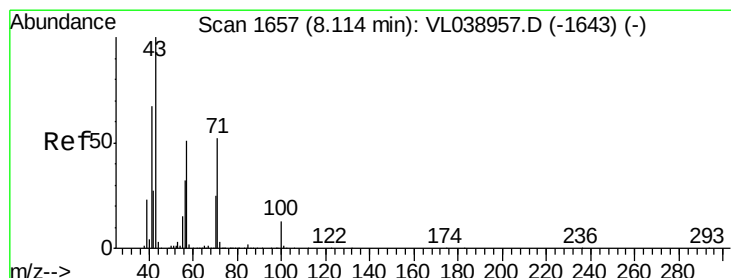
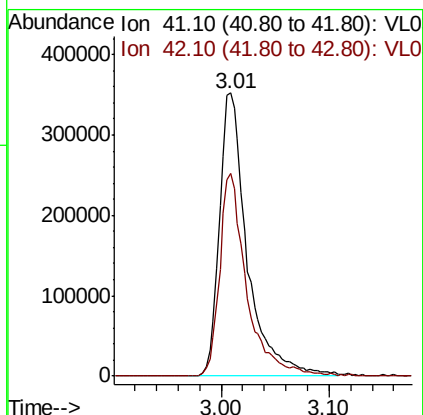
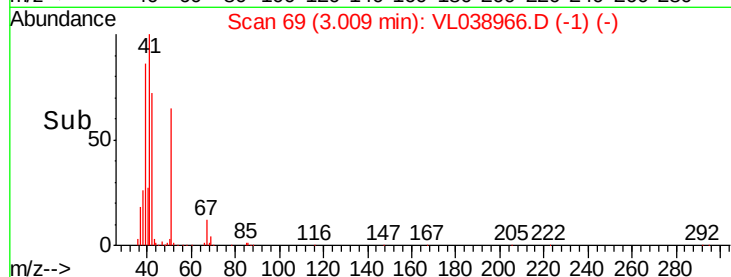
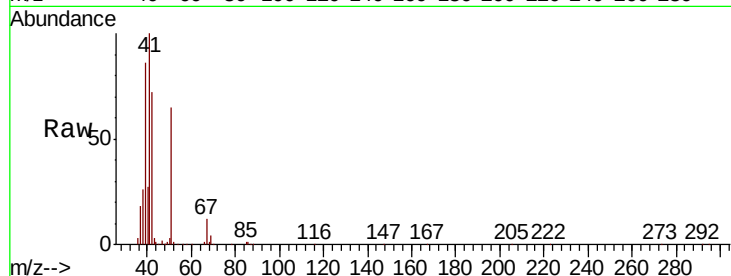
Time-->





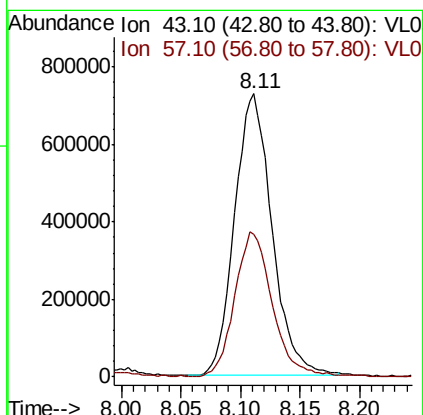
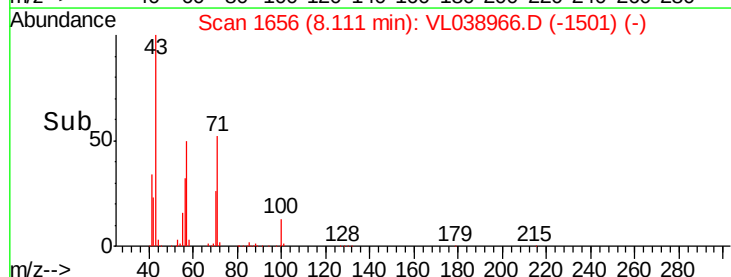
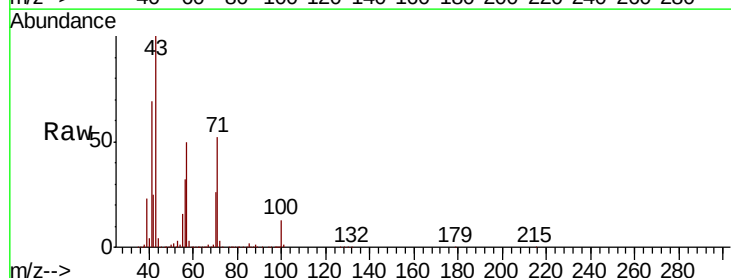
#9
 Propene
 Concen: 9.281 ppbv
 RT: 3.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
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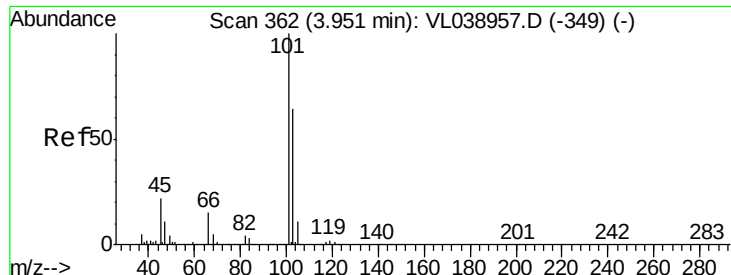
Tot Ion: 41 Resp: 631571
 Ion Ratio Lower Upper
 41 100
 42 69.9 58.3 87.5



#10
 Heptane
 Concen: 9.517 ppbv
 RT: 8.11 min Scan# 1656
 Delta R.T. -0.00 min
 Lab File: VL038966.D
 Acq: 5 May 2022 9:45

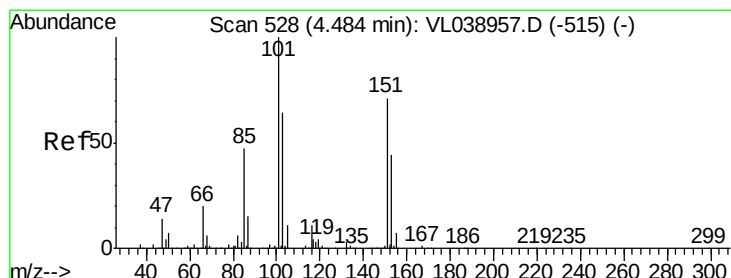
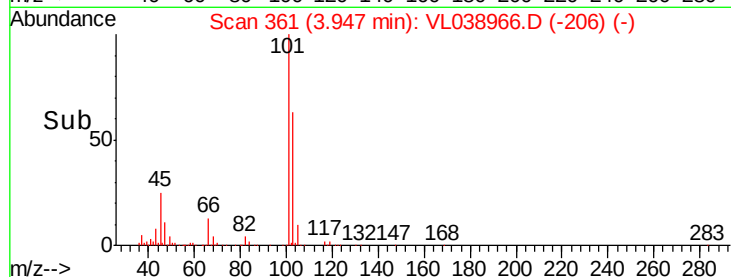
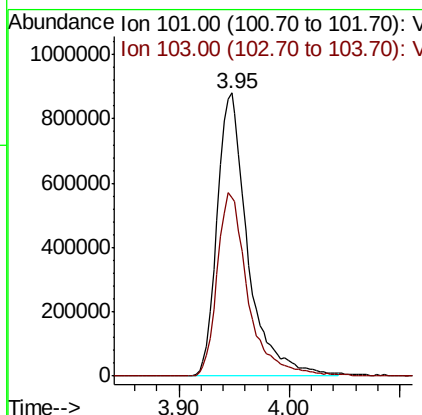
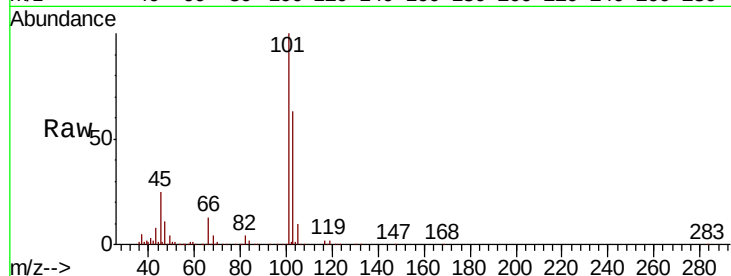
Tgt Ion: 43 Resp: 1588875
 Ion Ratio Lower Upper
 43 100
 57 51.6 40.5 60.7





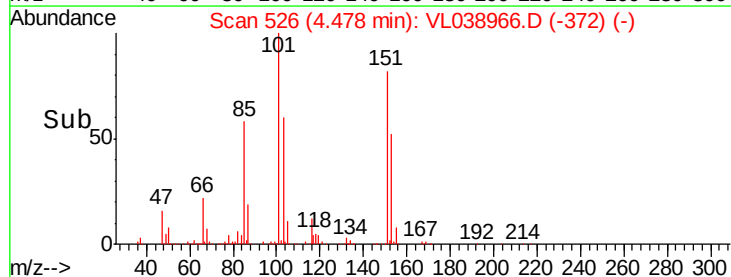
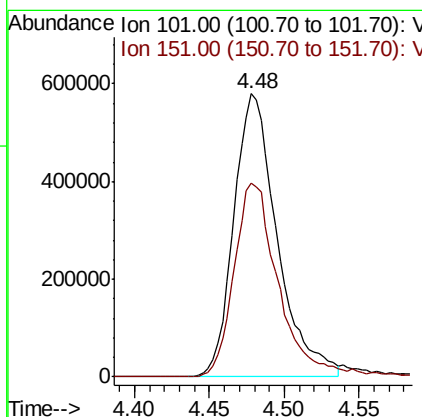
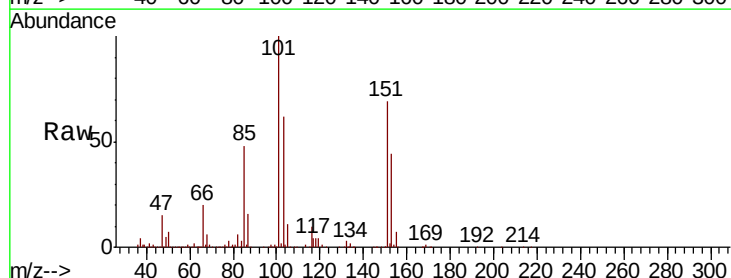
#11
 Trichlorofluoromethane
 Concen: 10.028 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 9:45

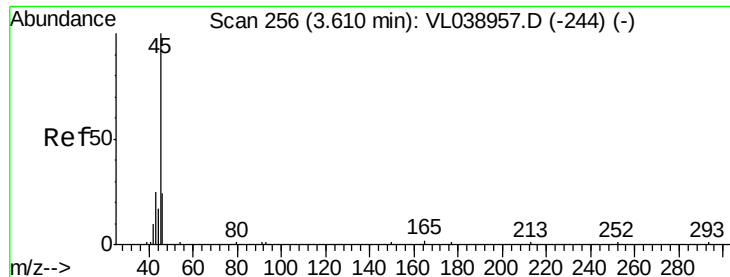
Tot Ion:101 Resp: 1692984
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.091 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL038966.D
 Acq: 5 May 2022 9:45

Tgt Ion:101 Resp: 1173530
 Ion Ratio Lower Upper
 101 100
 151 71.1 55.4 83.0





#13

Ethanol

Concen: 2.067 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

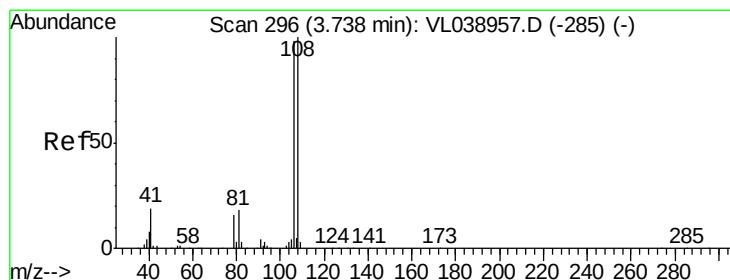
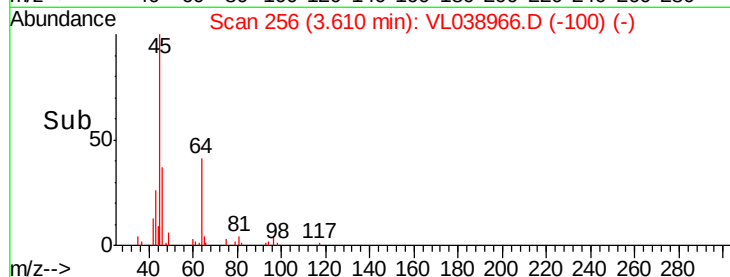
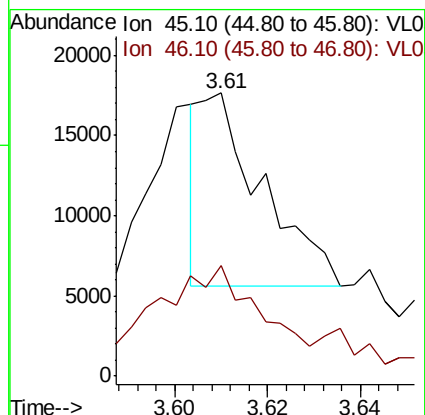
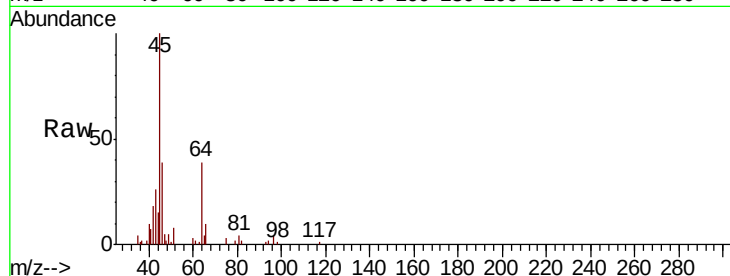
Acq: 5 May 2022 9:45

Tot Ion: 45 Resp: 10982

Ion Ratio Lower Upper

45 100

46 153.5 18.0 72.2#



#14

Bromoethene

Concen: 10.558 ppbv

RT: 3.74 min Scan# 295

Delta R.T. -0.00 min

Lab File: VL038966.D

Acq: 5 May 2022 9:45

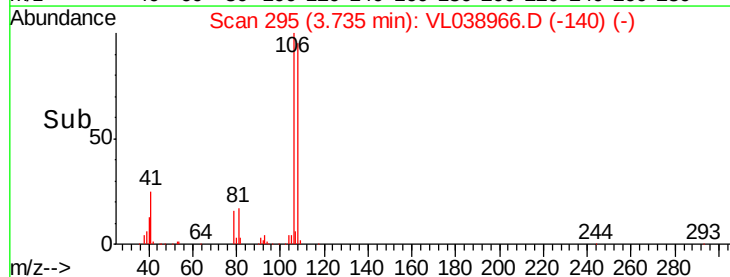
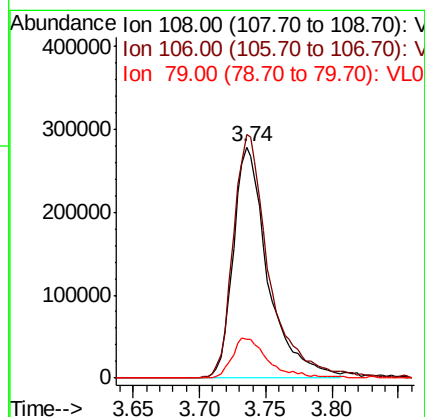
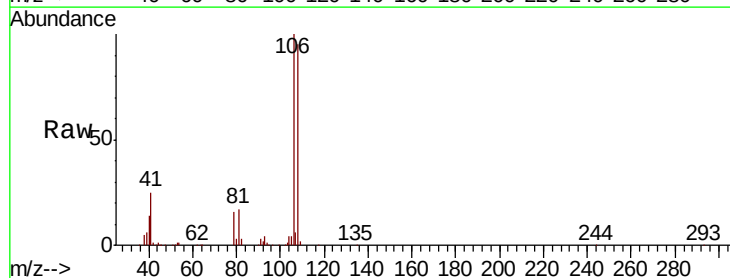
Tgt Ion: 108 Resp: 506341

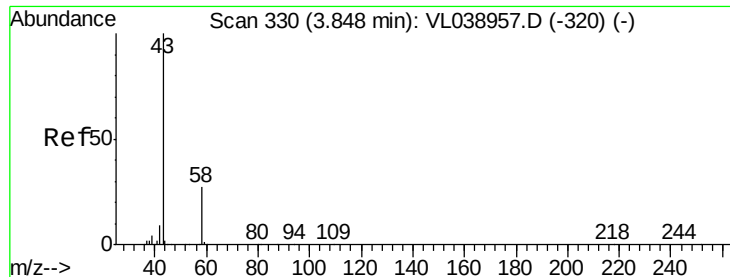
Ion Ratio Lower Upper

108 100

106 110.6 90.3 135.5

79 18.9 14.9 22.3





#15

Acetone

Concen: 9.908 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

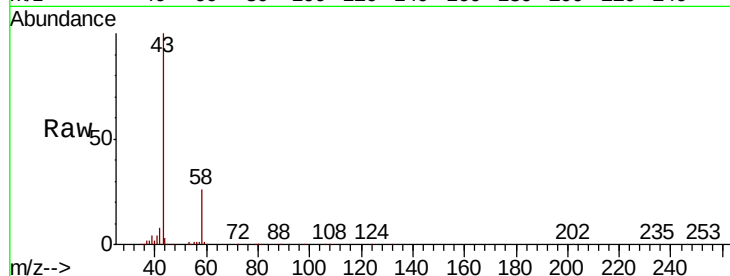
Acq: 5 May 2022 9:45

Tot Ion: 43 Resp: 1173633

Ion Ratio Lower Upper

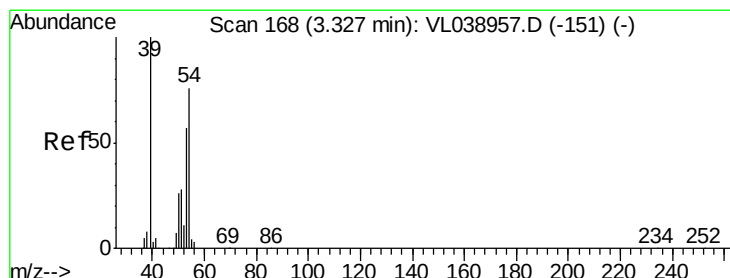
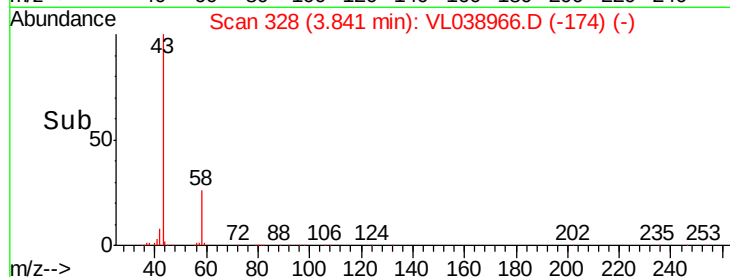
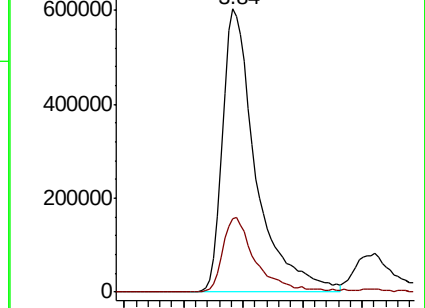
43 100

58 26.3 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.934 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL038966.D

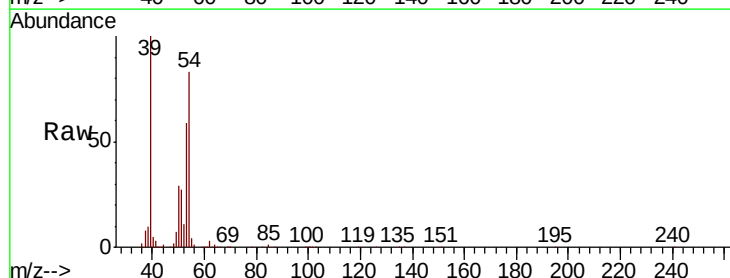
Acq: 5 May 2022 9:45

Tgt Ion: 39 Resp: 676095

Ion Ratio Lower Upper

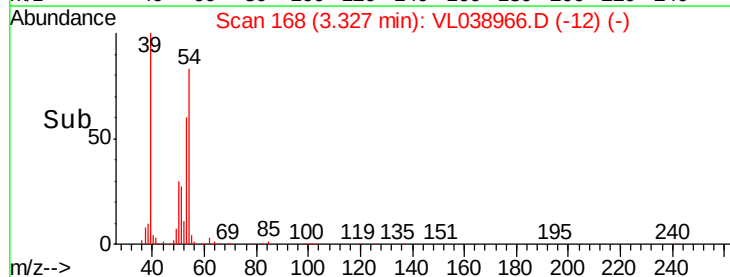
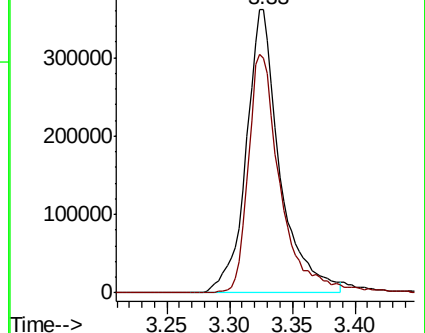
39 100

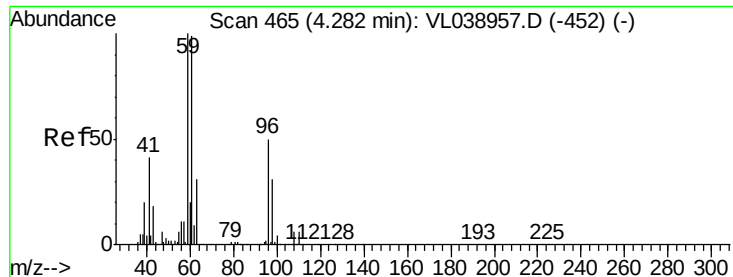
54 81.3 65.2 97.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 11.524 ppbv

RT: 4.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

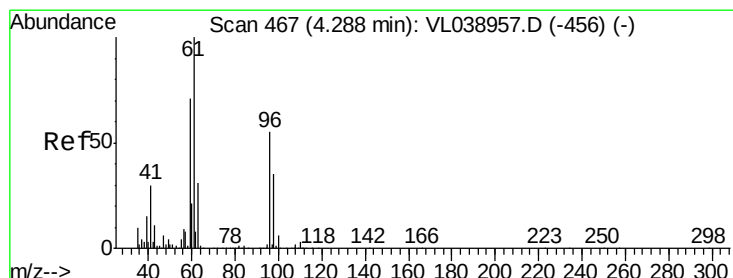
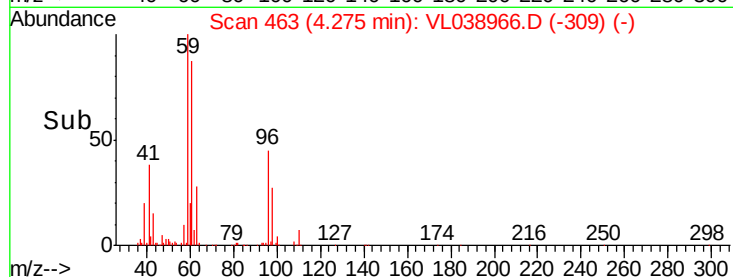
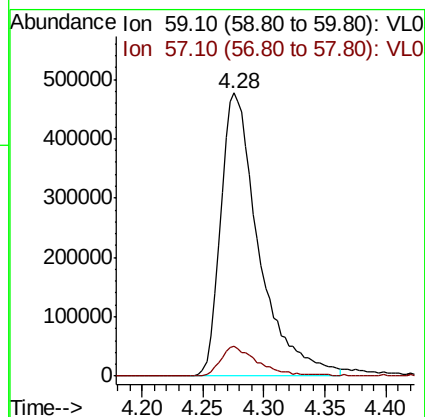
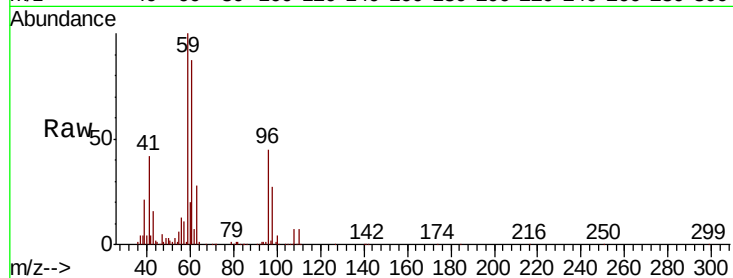
Acq: 5 May 2022 9:45

Tot Ion: 59 Resp: 1049202

Ion Ratio Lower Upper

59 100

57 10.7 9.2 13.8



#18

1,1-Dichloroethene

Concen: 10.697 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL038966.D

Acq: 5 May 2022 9:45

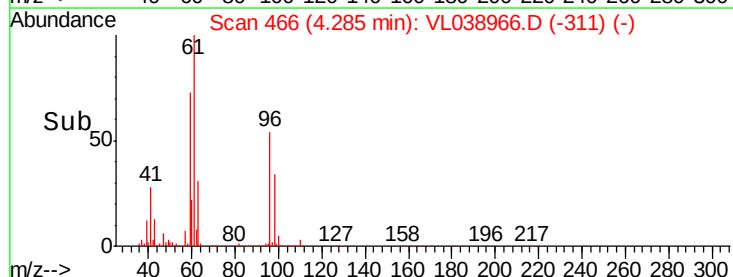
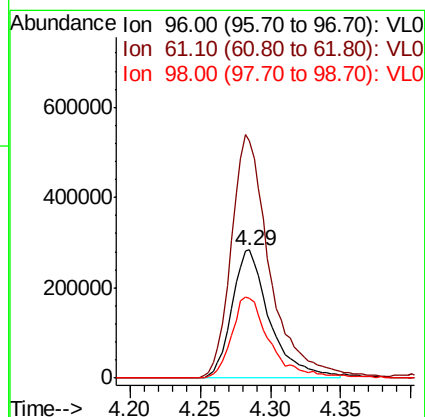
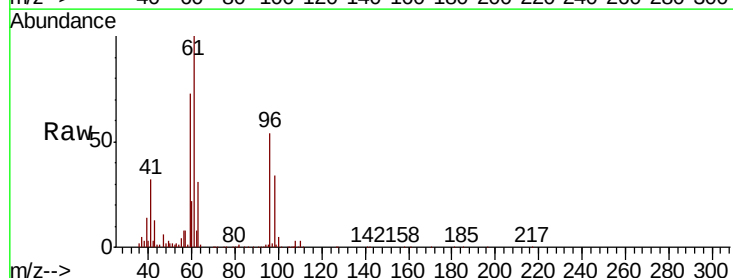
Tgt Ion: 96 Resp: 535413

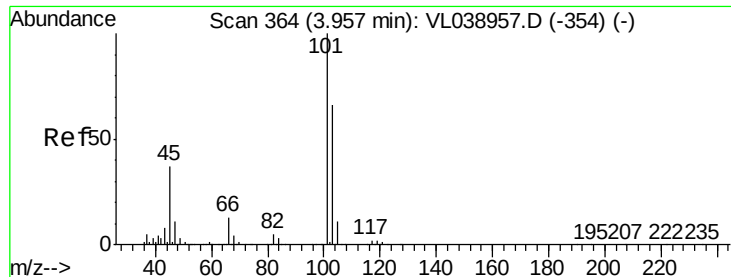
Ion Ratio Lower Upper

96 100

61 184.8 146.3 219.5

98 62.1 50.6 75.8





#19

Isopropyl Alcohol

Concen: 11.255 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

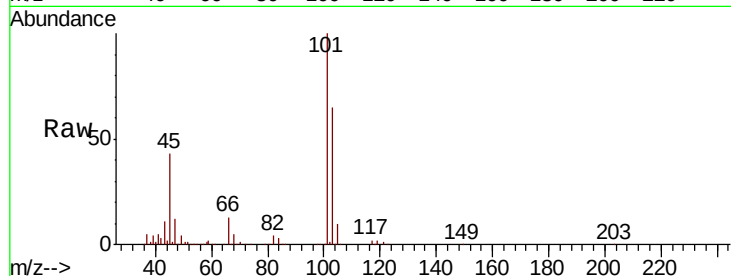
Acq: 5 May 2022 9:45

Tot Ion: 45 Resp: 633922

Ion Ratio Lower Upper

45 100

58 1.9 1.4 2.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

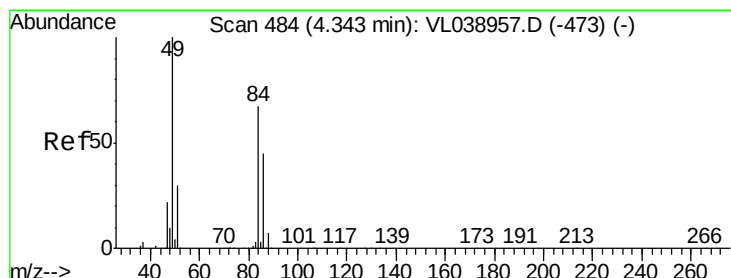
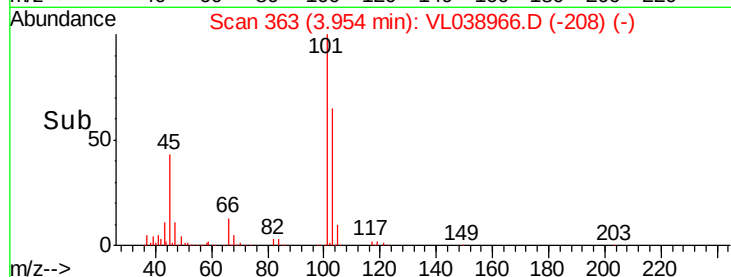
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 9.719 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL038966.D

Acq: 5 May 2022 9:45

Tgt Ion: 84 Resp: 433935

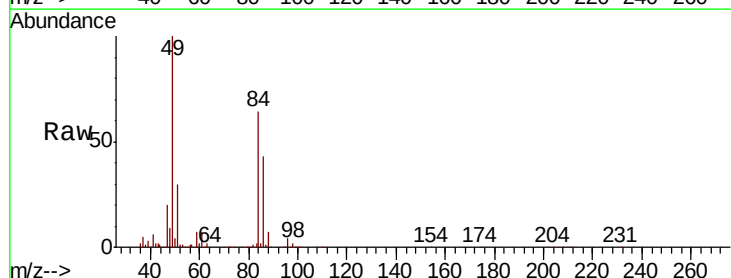
Ion Ratio Lower Upper

84 100

49 155.1 119.9 179.9

51 45.2 35.7 53.5

86 67.2 53.8 80.6



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

500000

400000

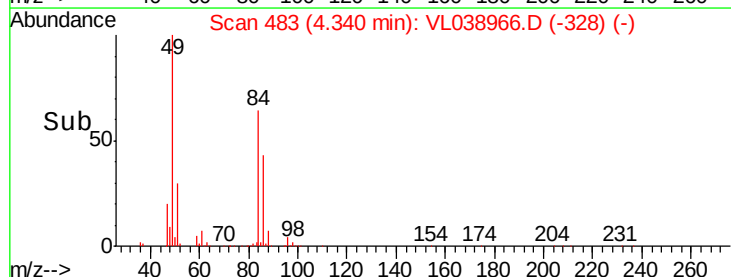
300000

200000

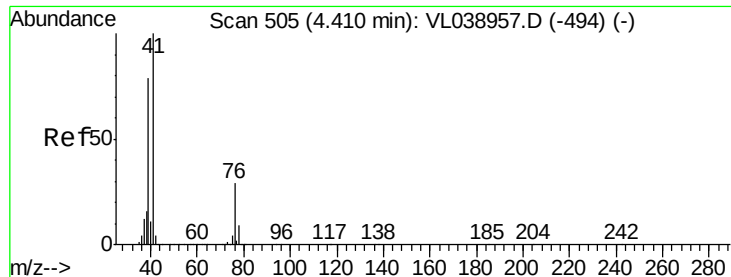
100000

0

Time-->



Time-->



#21

Allvl Chloride

Concen: 10.410 ppbv

RT: 4.40 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 9:45

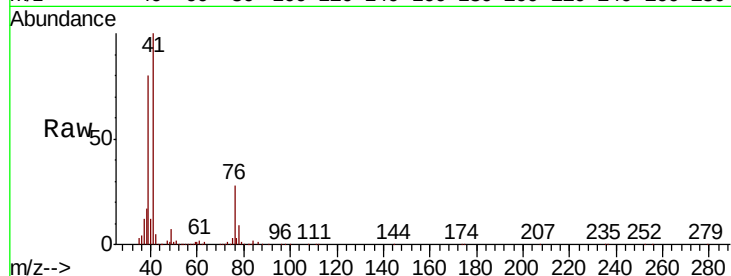
Tot Ion: 41 Resp: 840331

Ion Ratio Lower Upper

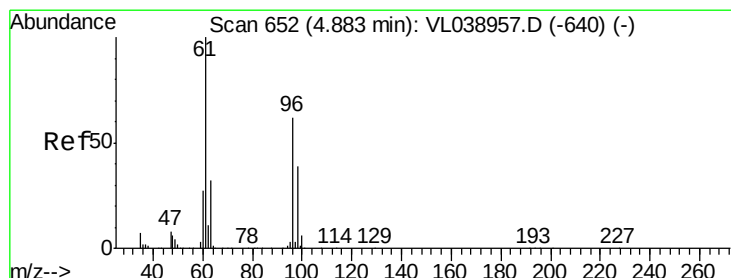
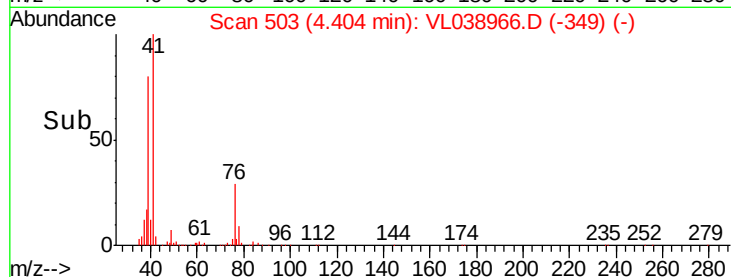
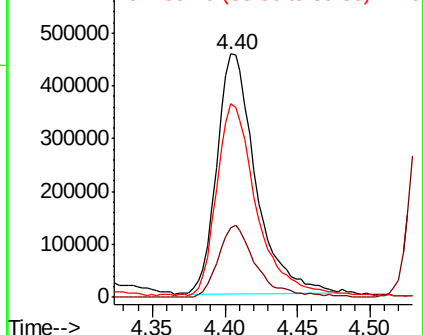
41 100

76 29.6 24.2 36.4

39 83.5 63.8 95.8



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.377 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.00 min

Lab File: VL038966.D

Acq: 5 May 2022 9:45

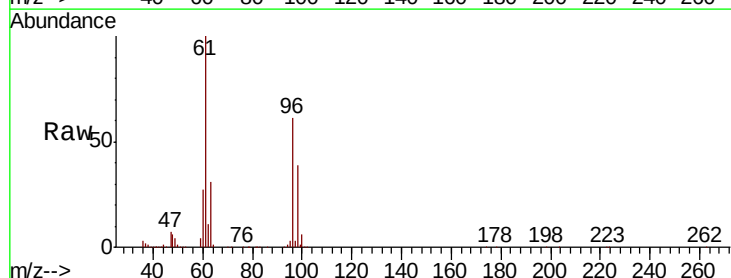
Tgt Ion: 96 Resp: 561038

Ion Ratio Lower Upper

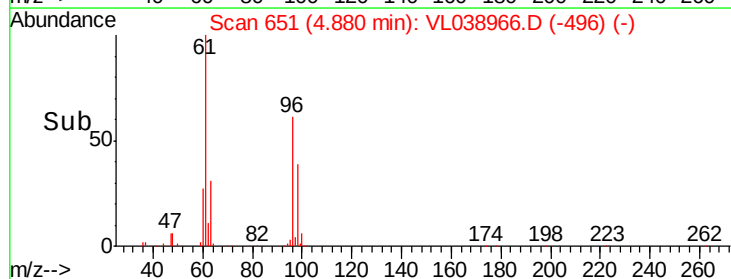
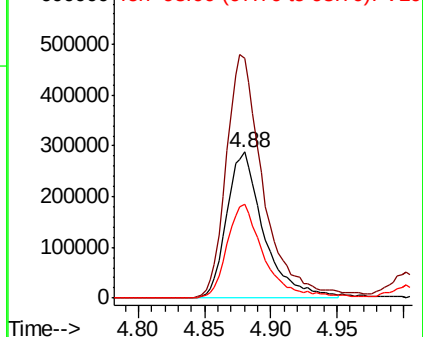
96 100

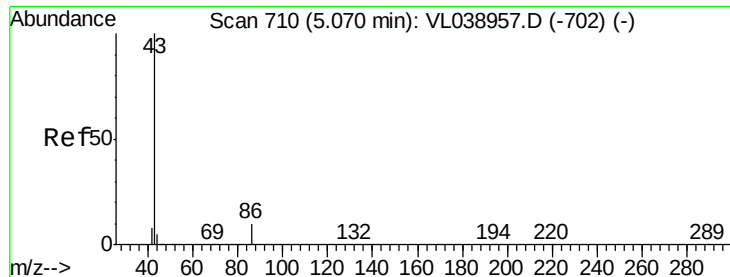
61 164.7 128.2 192.2

98 64.3 50.1 75.1



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





#23

Vinyl Acetate

Concen: 10.949 ppbv

RT: 5.07 Instrument:

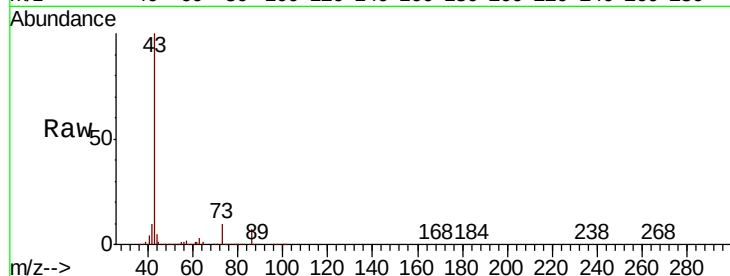
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

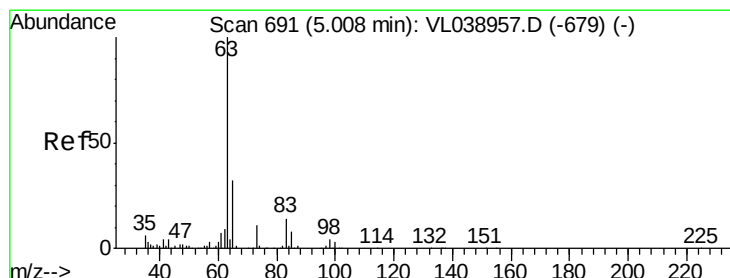
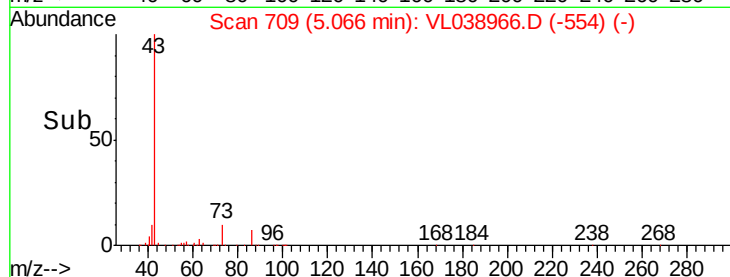
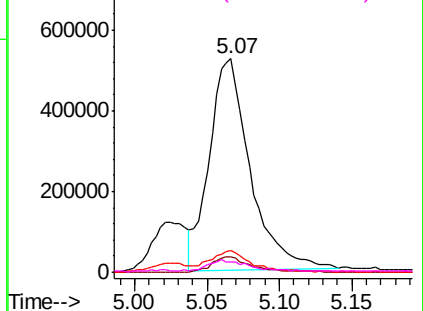
Acq: 5 May 2022 9:45

Tot Ion: 43 Resp: 1026211

Ion	Ratio	Lower	Upper
43	100		
86	6.9	6.6	9.8
42	10.2	8.1	12.1
44	4.5	3.5	5.3



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



#24

1,1-Dichloroethane

Concen: 10.132 ppbv

RT: 5.00 min Scan# 689

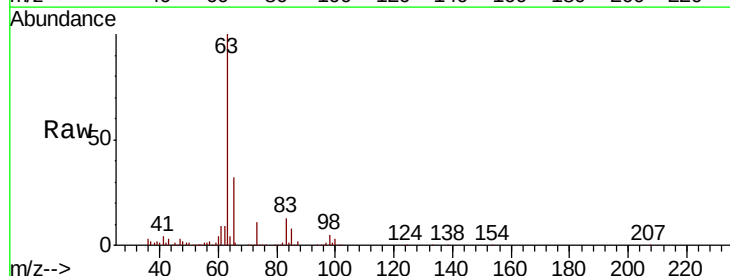
Delta R.T. -0.01 min

Lab File: VL038966.D

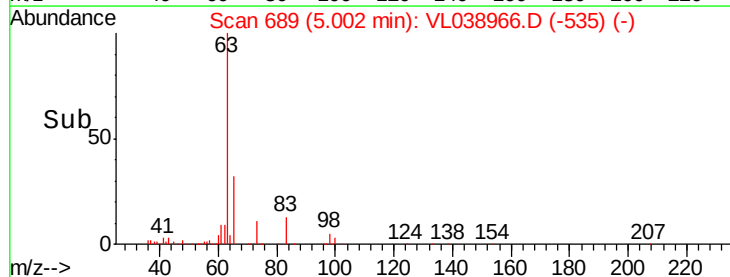
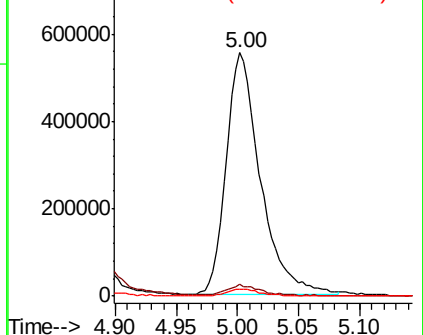
Acq: 5 May 2022 9:45

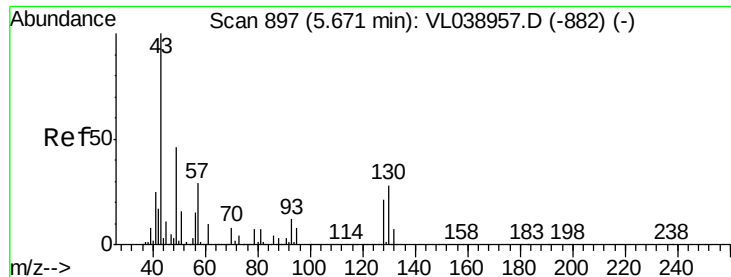
Tgt Ion: 63 Resp: 1093483

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.2
100	3.0	1.4	4.2



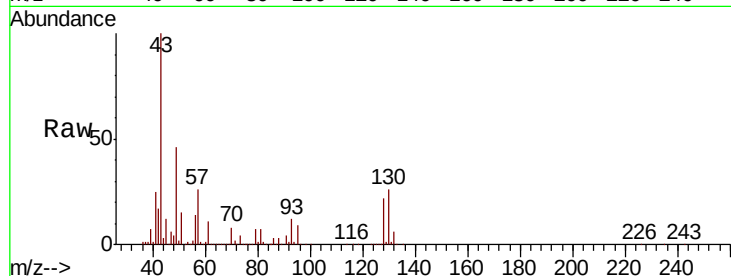
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.966 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 May 2022 9:45

Tot Ion:	43	Resp:	2825751
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.1	12.1
61	9.8	7.8	11.6
70	6.6	5.6	8.4



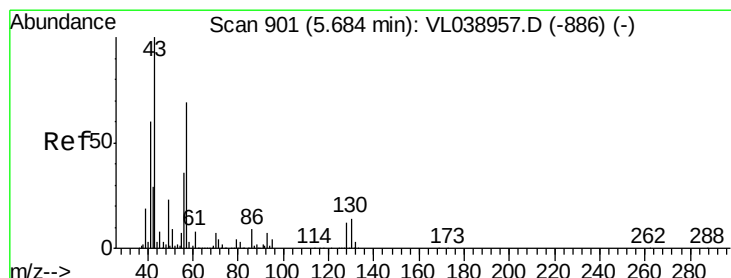
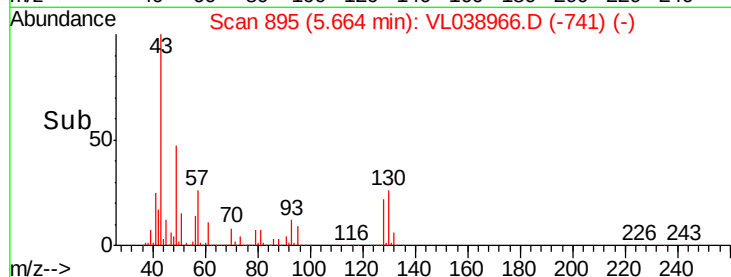
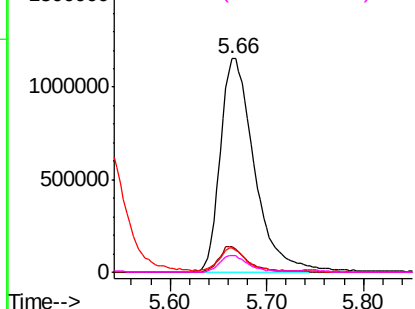
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

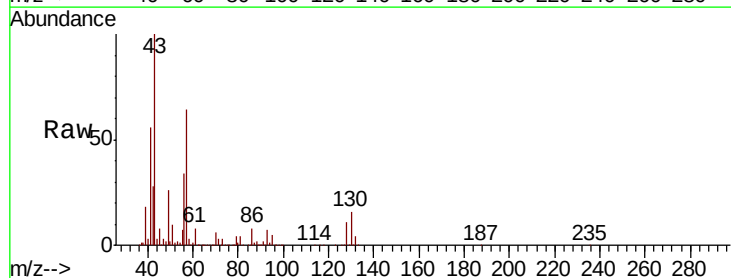
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.448 ppbv
RT: 5.68 min Scan# 899
Delta R.T.: -0.01 min
Lab File: VL038966.D
Acq: 5 May 2022 9:45

Tgt Ion:	57	Resp:	1190228
Ion	Ratio	Lower	Upper
57	100		
41	94.3	75.2	112.8
43	239.9	190.8	286.2
56	54.8	43.0	64.6



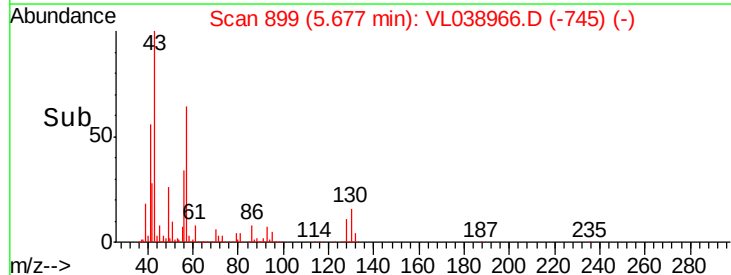
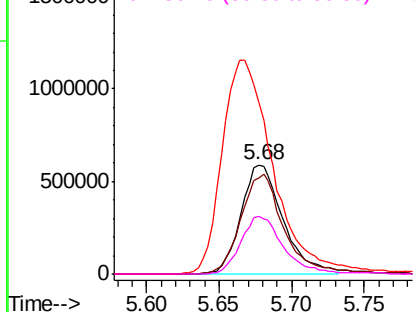
Abundance

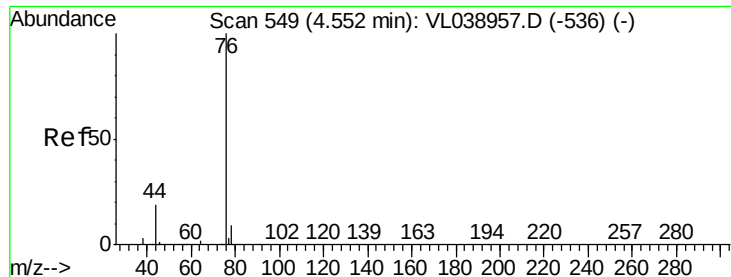
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.242 ppbv

RT: 4.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 9:45

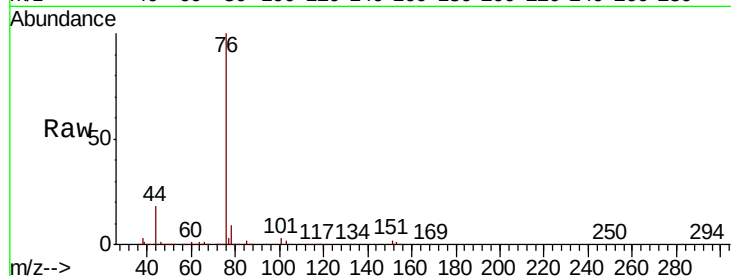
Tot Ion: 76 Resp: 1345324

Ion Ratio Lower Upper

76 100

44 19.6 15.3 22.9

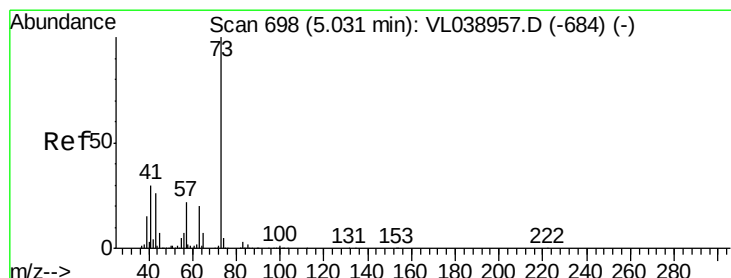
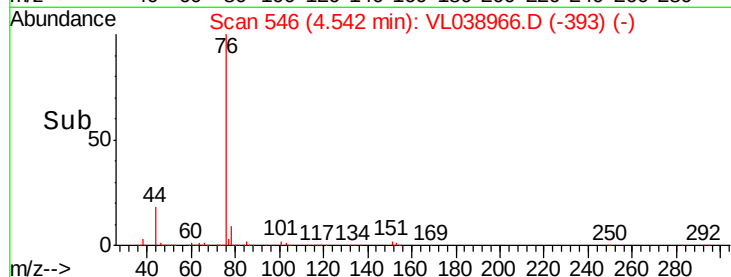
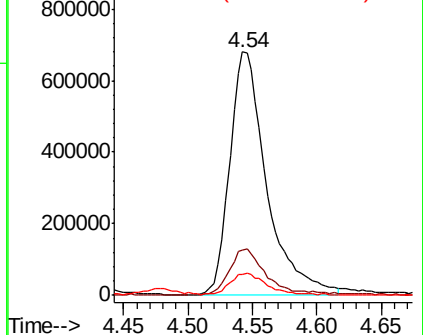
78 9.6 8.2 12.2



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.408 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL038966.D

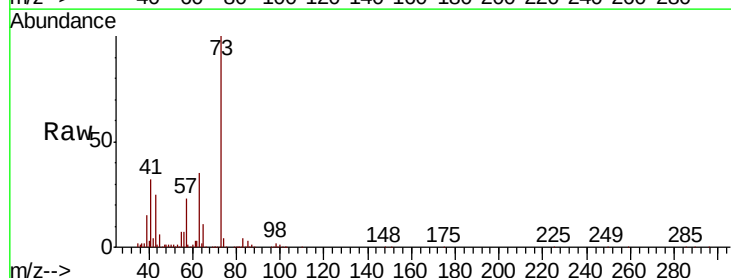
Acq: 5 May 2022 9:45

Tgt Ion: 73 Resp: 997590

Ion Ratio Lower Upper

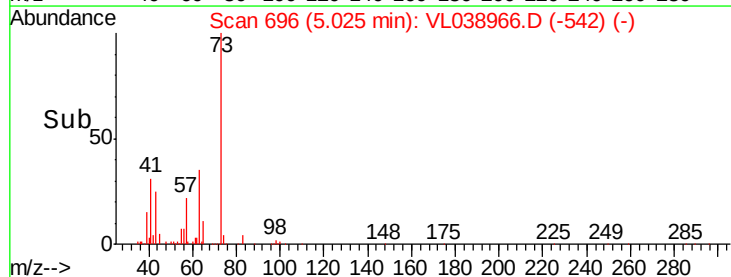
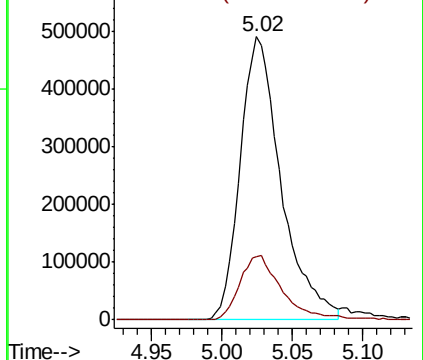
73 100

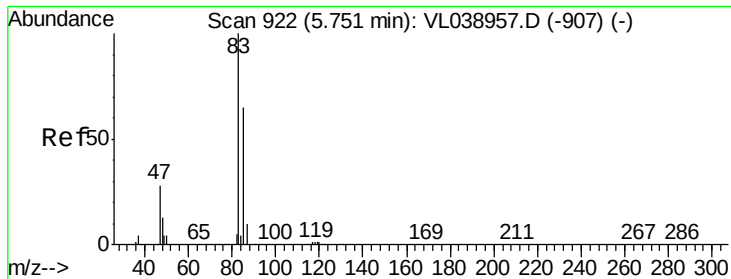
57 24.1 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

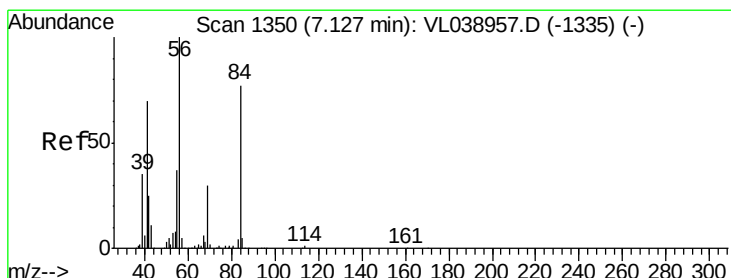
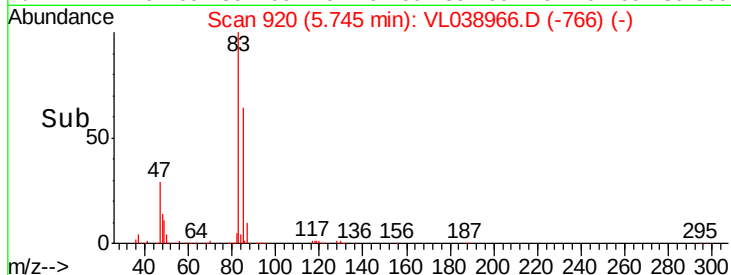
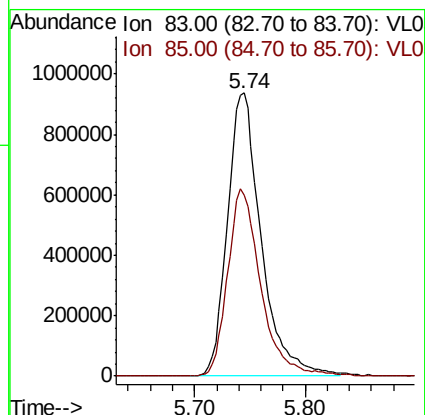
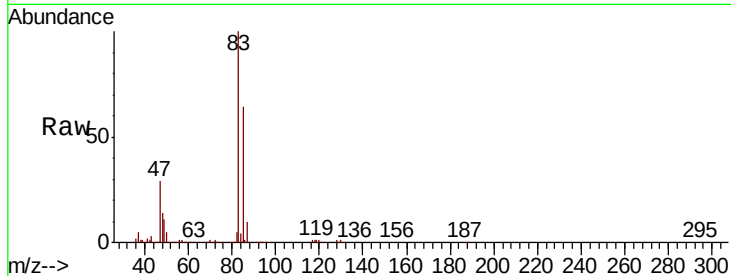
Ion 57.10 (56.80 to 57.80): VL0





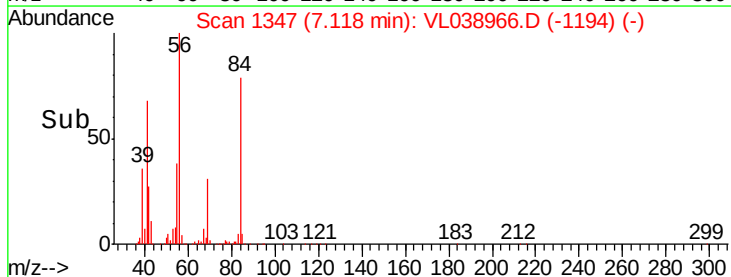
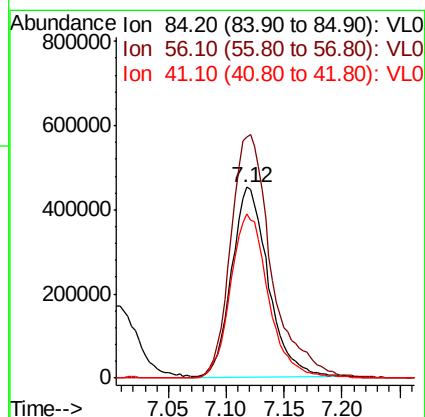
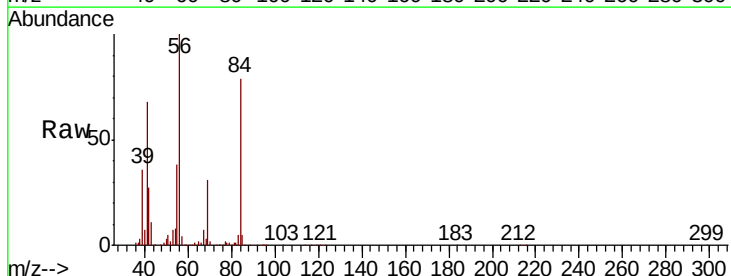
#29
Chloroform
Concen: 9.790 ppbv
RT: 5.74 Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 9:45

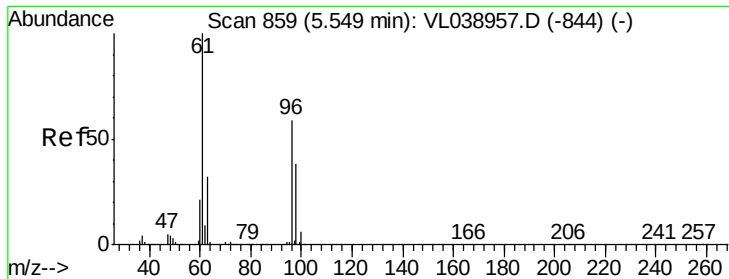
Tot Ion: 83 Resp: 1995367
Ion Ratio Lower Upper
83 100
85 63.8 51.8 77.6



#30
Cyclohexane
Concen: 9.442 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.01 min
Lab File: VL038966.D
Acq: 5 May 2022 9:45

Tgt Ion: 84 Resp: 995856
Ion Ratio Lower Upper
84 100
56 142.5 115.3 172.9
41 89.1 72.0 108.0





#31

cis-1,2-Dichloroethene

Concen: 9.924 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 9:45

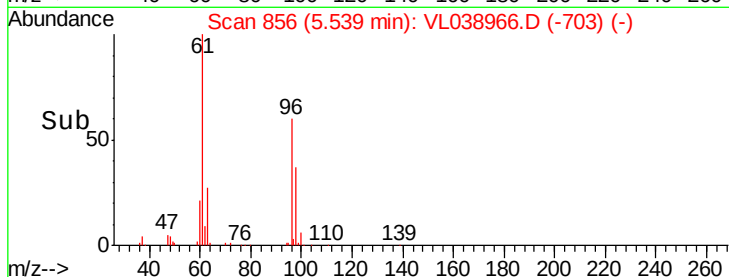
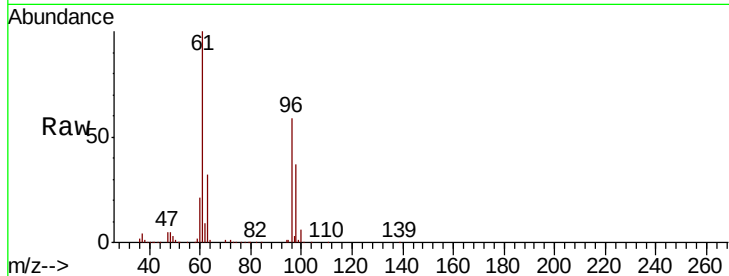
Tot Ion: 61 Resp: 1273684

Ion Ratio Lower Upper

61 100

96 59.5 47.4 71.0

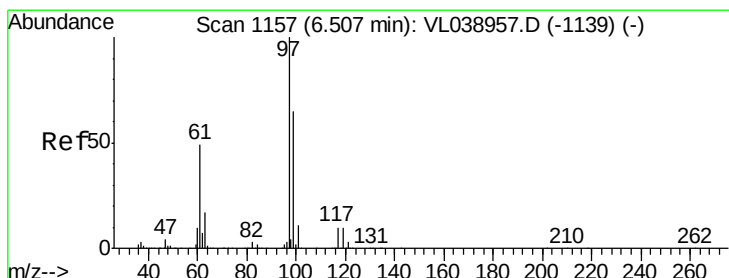
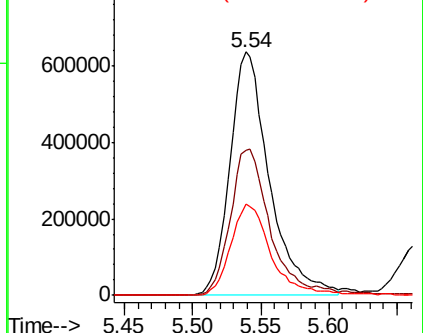
98 37.4 30.6 45.8



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.924 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VL038966.D

Acq: 5 May 2022 9:45

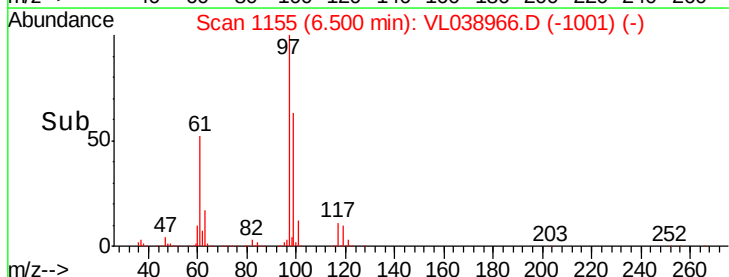
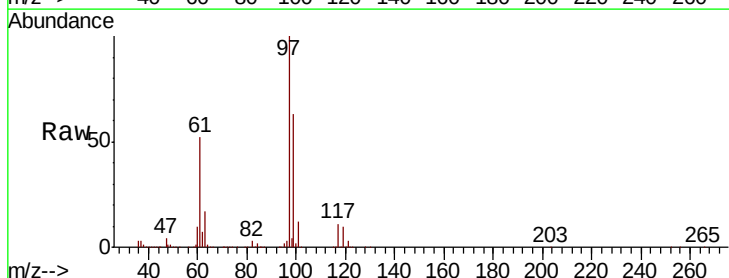
Tgt Ion: 97 Resp: 2022359

Ion Ratio Lower Upper

97 100

99 65.1 51.9 77.9

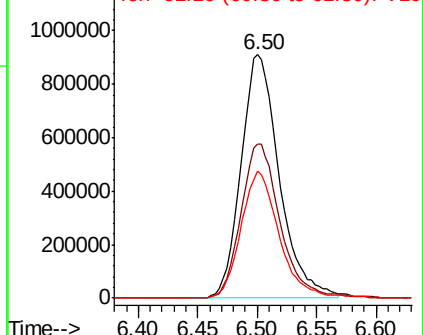
61 52.2 40.9 61.3

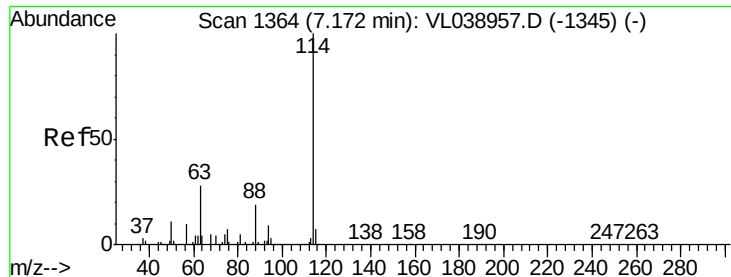


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 9:45

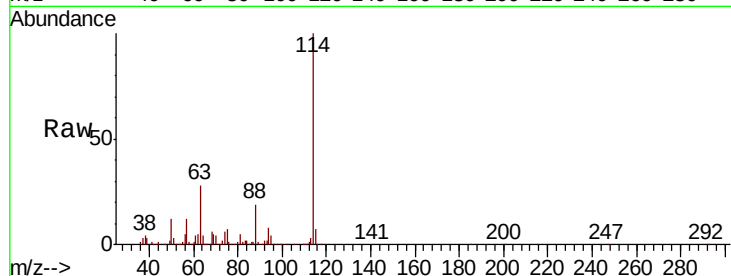
Tot Ion:114 Resp: 2974792

Ion Ratio Lower Upper

114 100

63 28.6 22.6 33.8

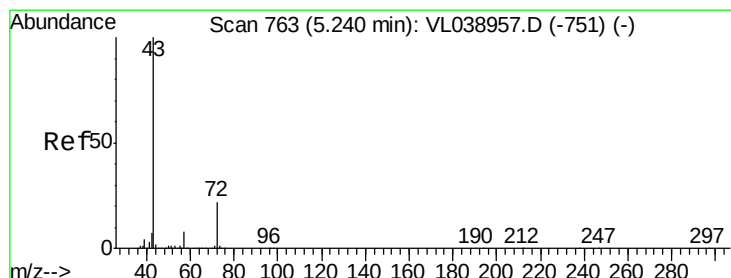
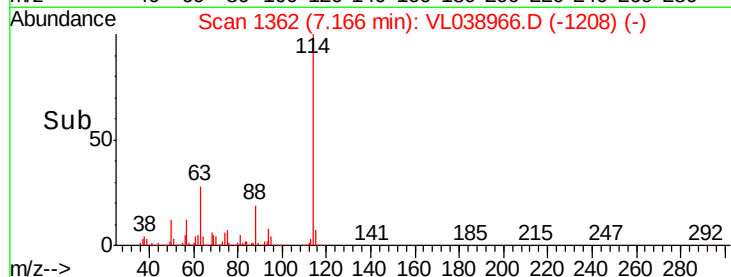
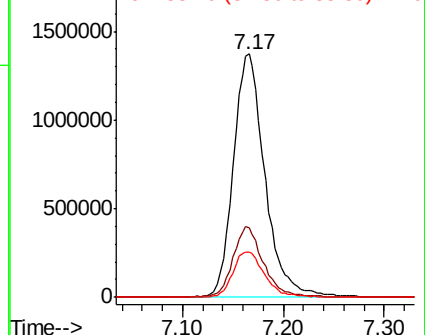
88 19.2 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.928 ppbv

RT: 5.23 min Scan# 761

Delta R.T. -0.01 min

Lab File: VL038966.D

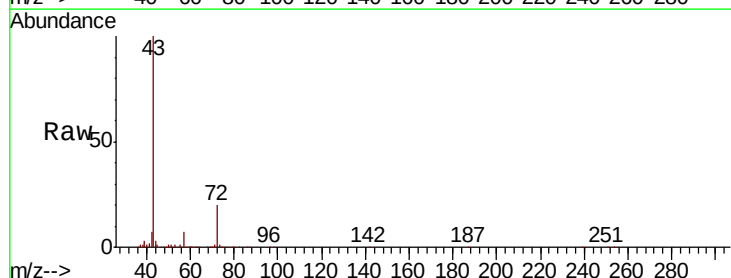
Acq: 5 May 2022 9:45

Tgt Ion: 43 Resp: 1354995

Ion Ratio Lower Upper

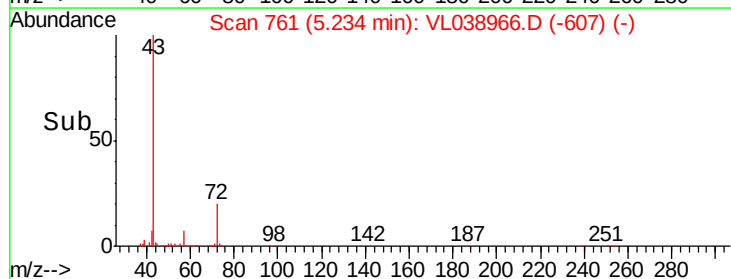
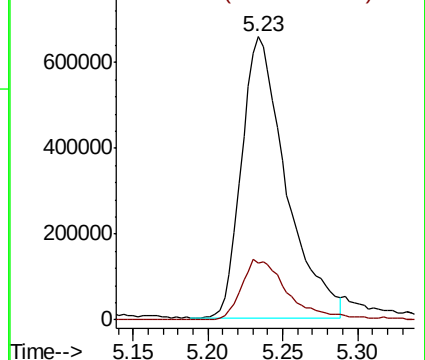
43 100

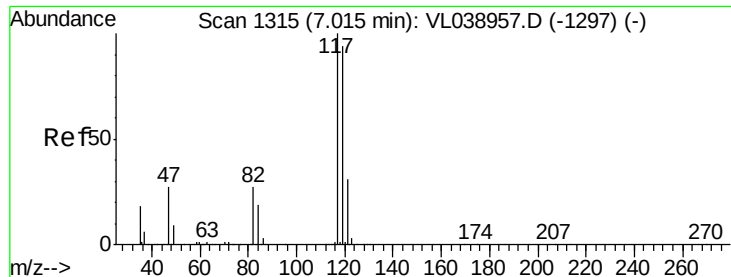
72 23.4 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

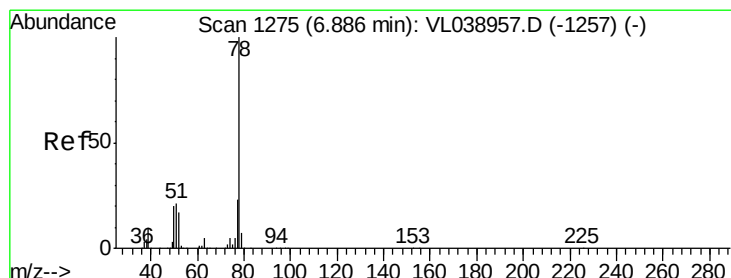
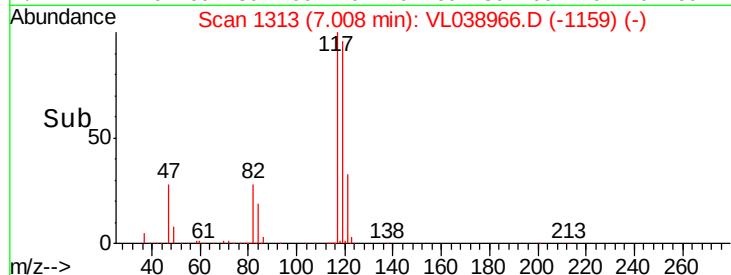
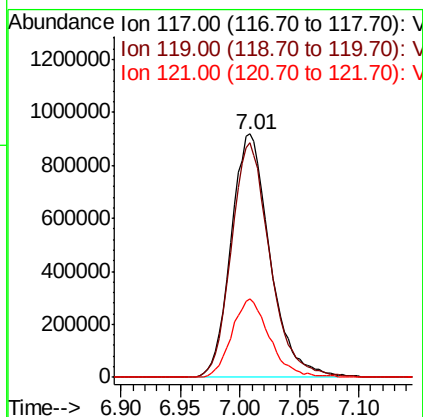
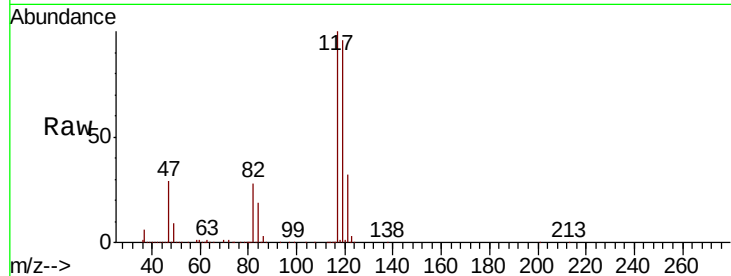
Ion 72.10 (71.80 to 72.80): VL0





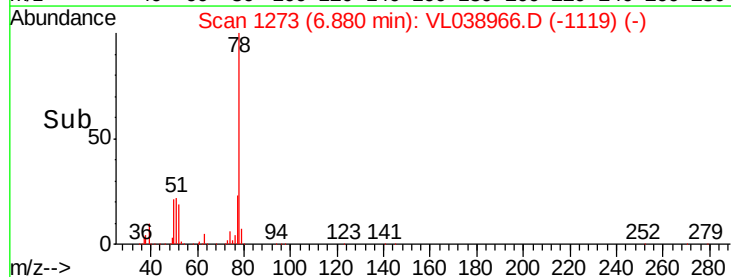
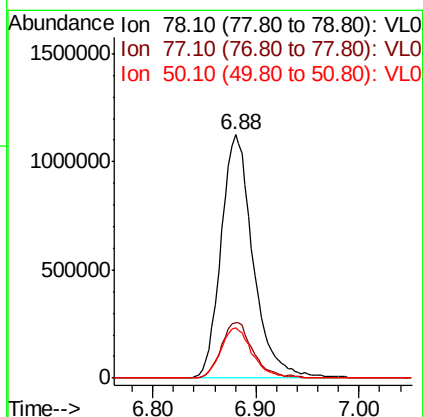
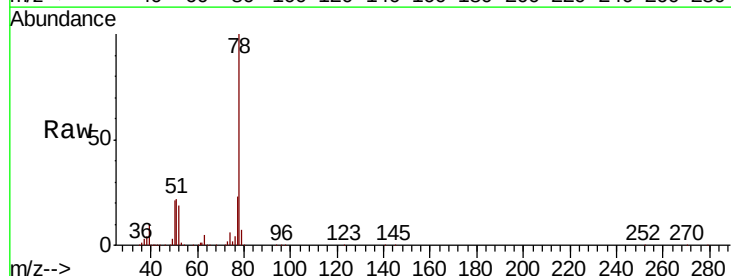
#35
Carbon Tetrachloride
Concen: 10.616 ppbv
RT: 7.01
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 May 2022 9:45

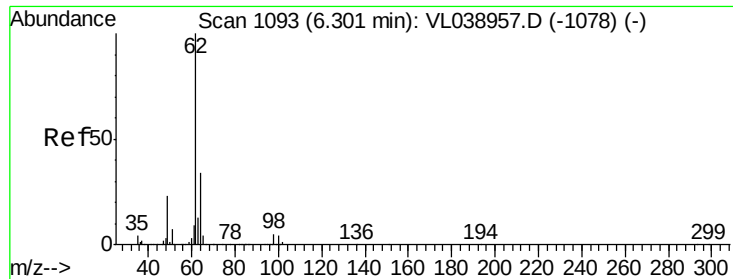
Tot Ion:117 Resp: 2080834
Ion Ratio Lower Upper
117 100
119 96.2 75.2 112.8
121 32.2 24.6 37.0



#36
Benzene
Concen: 9.546 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VL038966.D
Acq: 5 May 2022 9:45

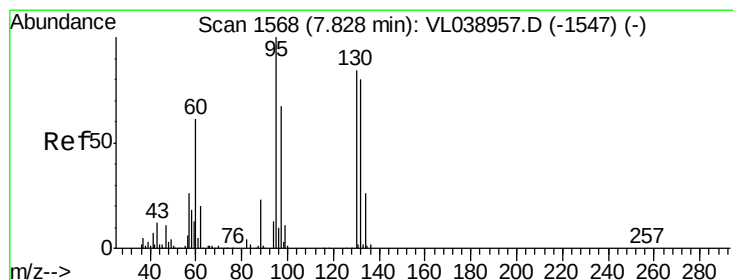
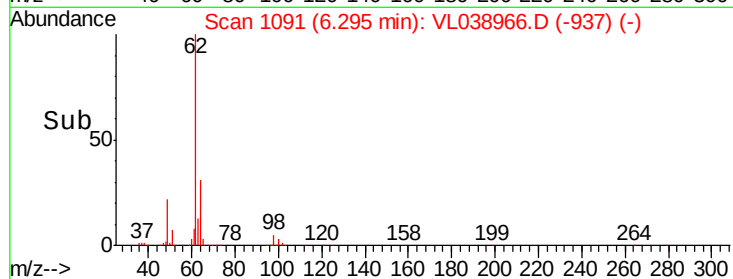
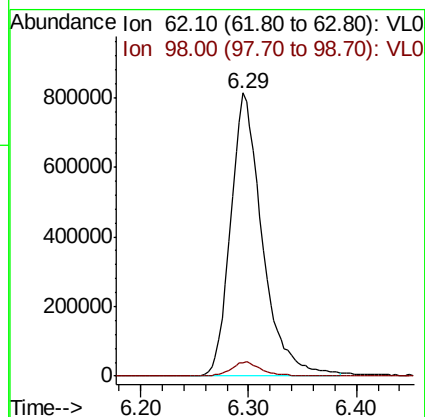
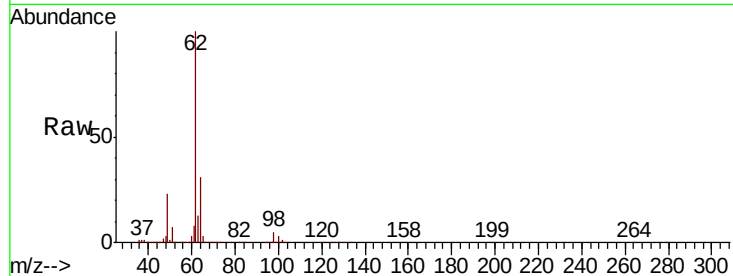
Tgt Ion: 78 Resp: 2430222
Ion Ratio Lower Upper
78 100
77 22.7 18.6 28.0
50 20.8 15.6 23.4





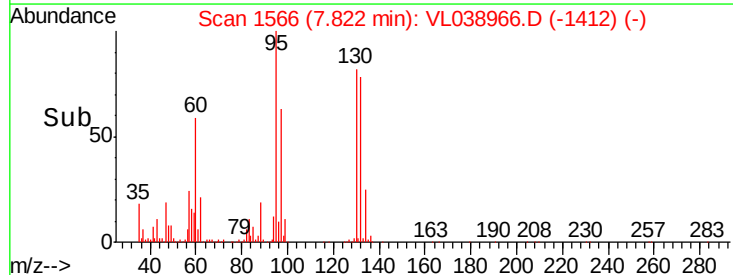
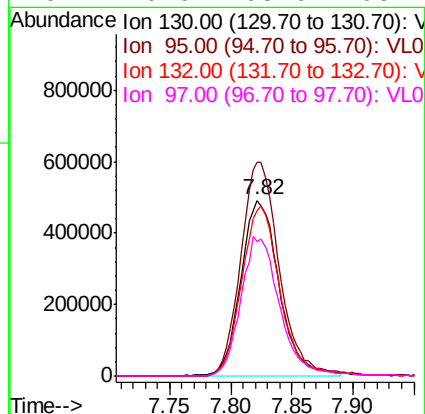
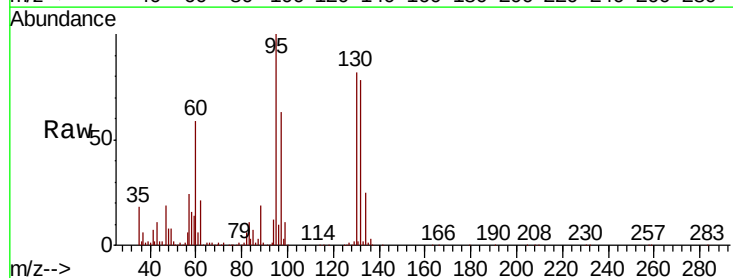
#37
 1,2-Dichloroethane
 Concen: 10.599 ppbv
 RT: 6.29
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 9:45

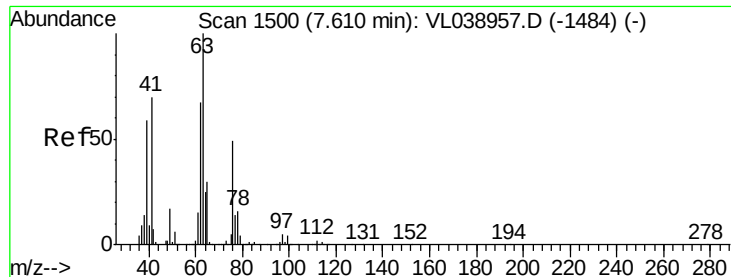
Tot Ion: 62 Resp: 1669484
 Ion Ratio Lower Upper
 62 100
 98 5.0 4.5 6.7



#38
 Trichloroethene
 Concen: 9.354 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VL038966.D
 Acq: 5 May 2022 9:45

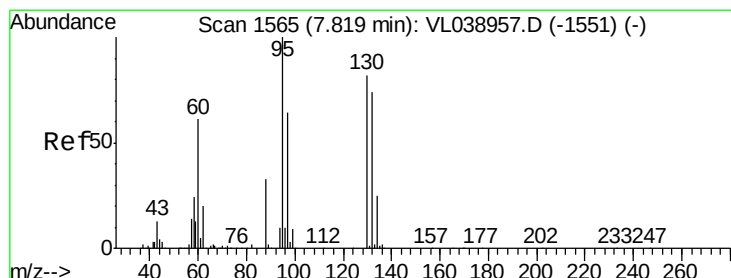
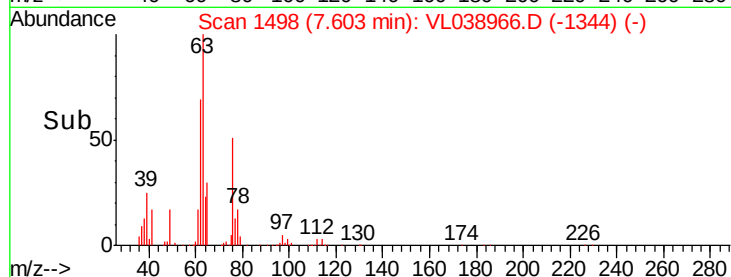
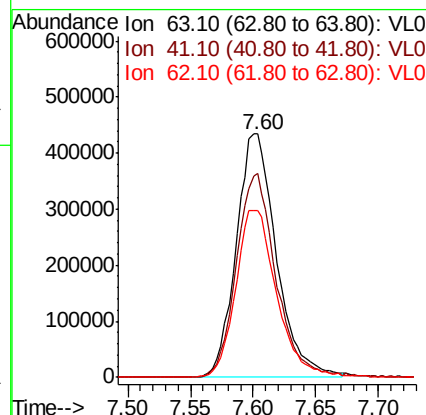
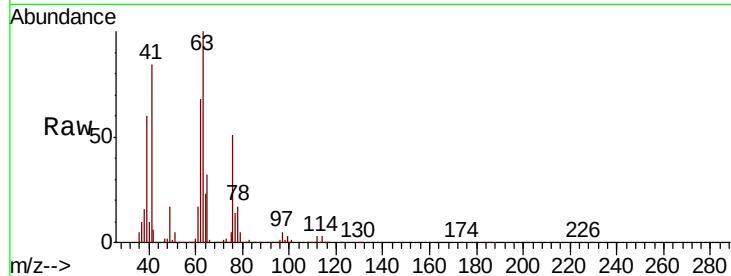
Tgt Ion:130 Resp: 1058569
 Ion Ratio Lower Upper
 130 100
 95 121.5 94.8 142.2
 132 94.3 75.8 113.8
 97 76.6 63.6 95.4





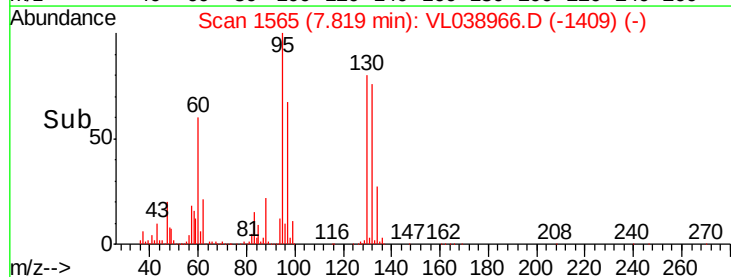
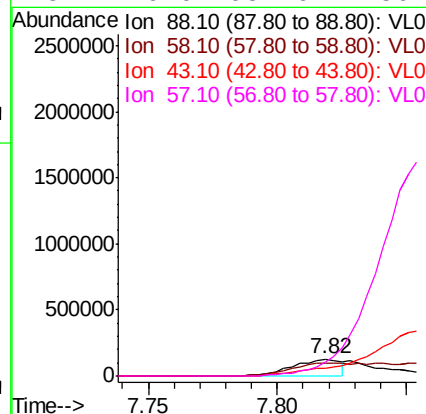
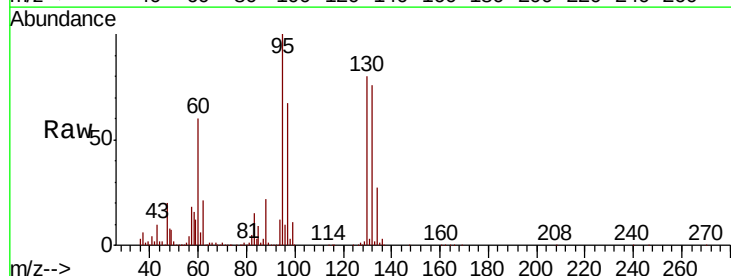
#39
 1,2-Dichloropropane
 Concen: 9.730 ppbv
 RT: 7.60
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 5 May 2022 9:45

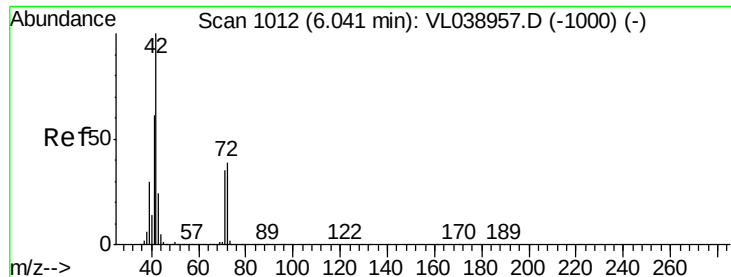
Tot Ion	Ratio	Lower	Upper
63	100		
41	83.5	55.9	83.9
62	68.5	53.8	80.6



#40
 1,4-Dioxane
 Concen: 4.634 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T.: 0.00 min
 Lab File: VL038966.D
 Acq: 5 May 2022 9:45

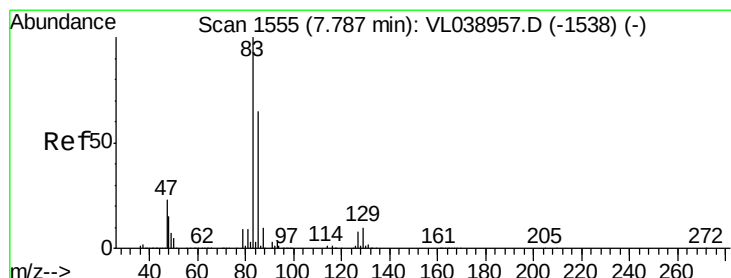
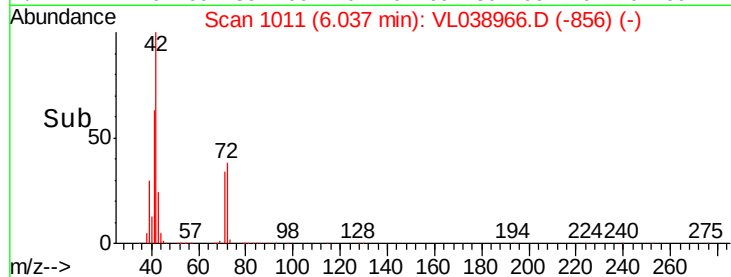
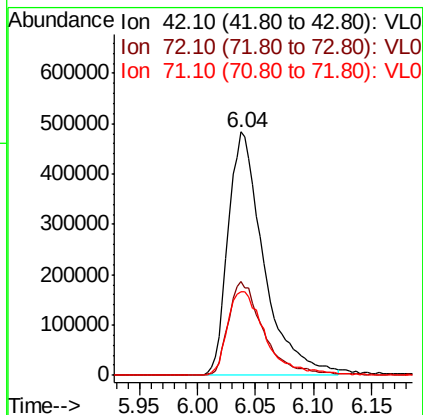
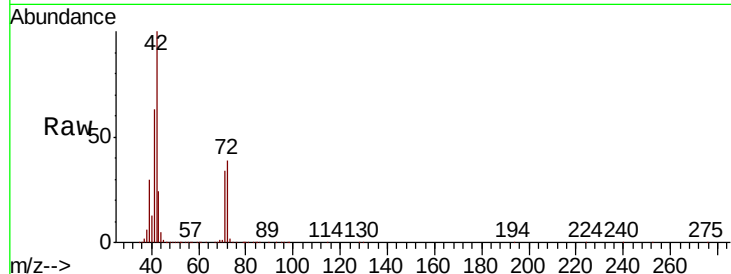
Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	106.1	159.1#
43	0.0	222.9	334.3#
57	0.0	957.6	1436.4#





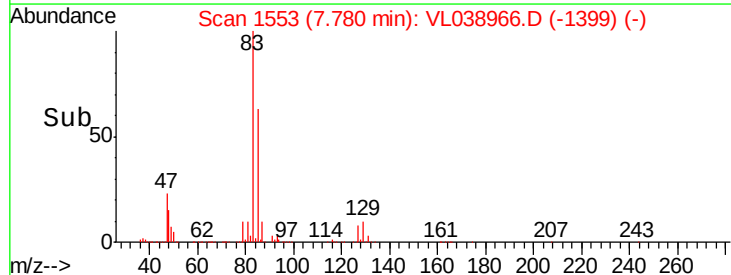
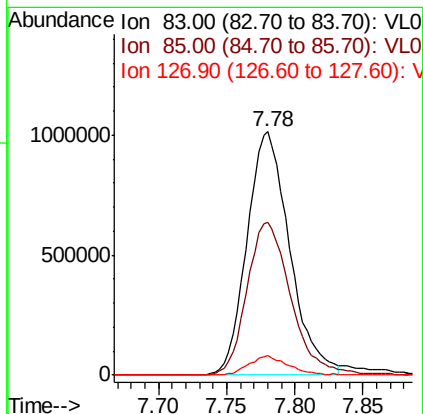
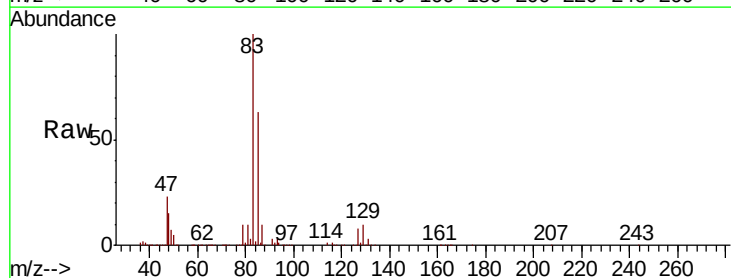
#41
 Tetrahydrofuran
 Concen: 10.103 ppbv
 RT: 6.04
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 9:45

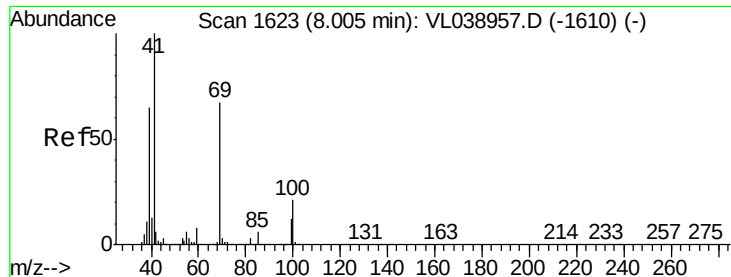
Tot Ion: 42 Resp: 1030533
 Ion Ratio Lower Upper
 42 100
 72 38.6 31.8 47.6
 71 37.4 30.6 45.8



#42
 Bromodichloromethane
 Concen: 10.235 ppbv
 RT: 7.78 min Scan# 1553
 Delta R.T.: -0.01 min
 Lab File: VL038966.D
 Acq: 5 May 2022 9:45

Tgt Ion: 83 Resp: 2204106
 Ion Ratio Lower Upper
 83 100
 85 62.7 52.0 78.0
 127 7.8 6.0 9.0





#43

Methyl Methacrylate

Concen: 10.160 ppbv

RT: 8.00 Instrument:

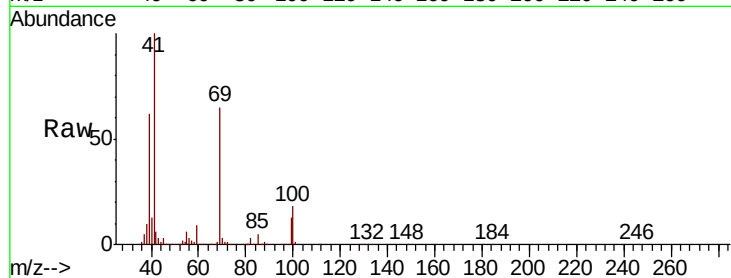
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 9:45

Tot Ion: 69 Resp: 1050052

Ion	Ratio	Lower	Upper
69	100		
41	153.7	121.9	182.9
100	28.9	24.6	36.8

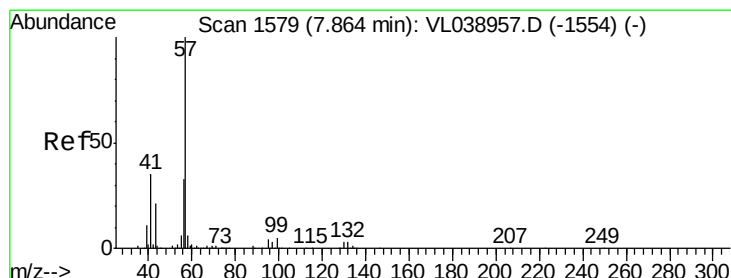
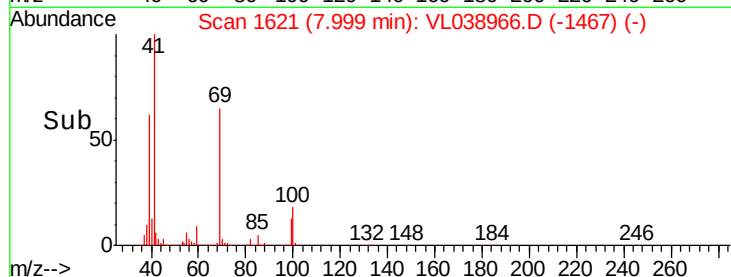
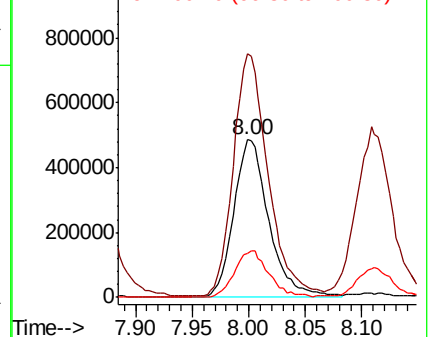


Abundance

Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.418 ppbv

RT: 7.86 min Scan# 1577

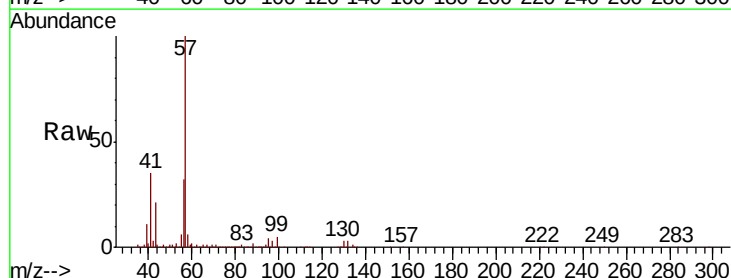
Delta R.T. -0.01 min

Lab File: VL038966.D

Acq: 5 May 2022 9:45

Tgt Ion: 57 Resp: 4206927

Ion	Ratio	Lower	Upper
57	100		
41	33.6	26.3	39.5
56	31.1	24.6	37.0

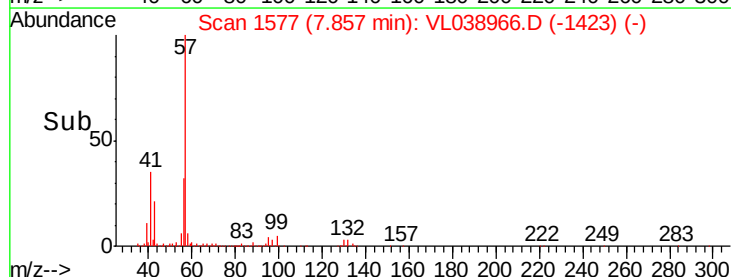
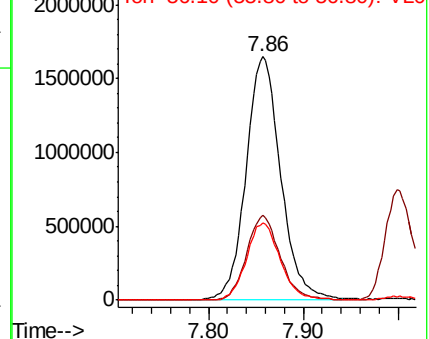


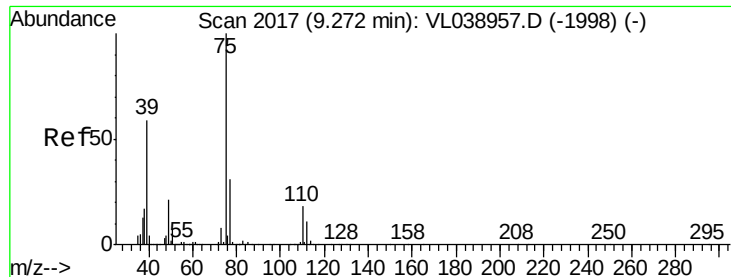
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

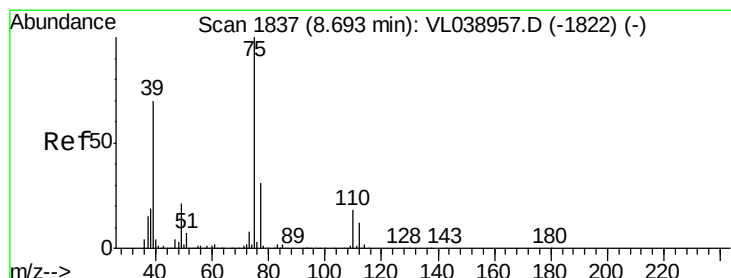
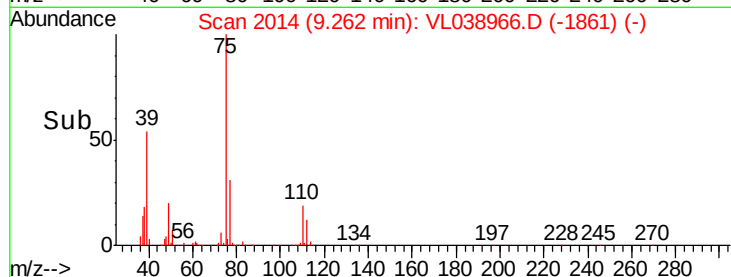
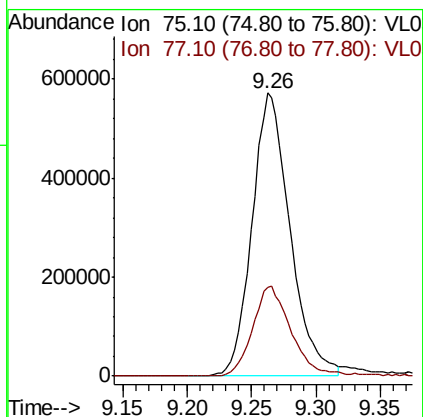
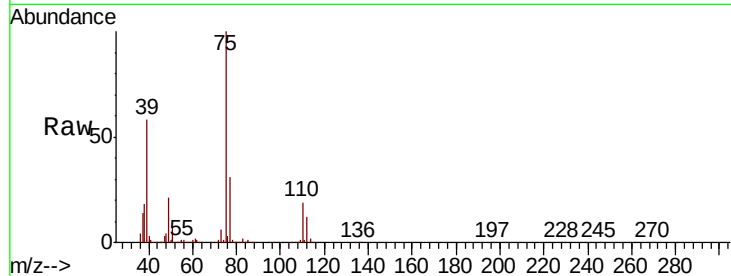
Ion 56.10 (55.80 to 56.80): VL0





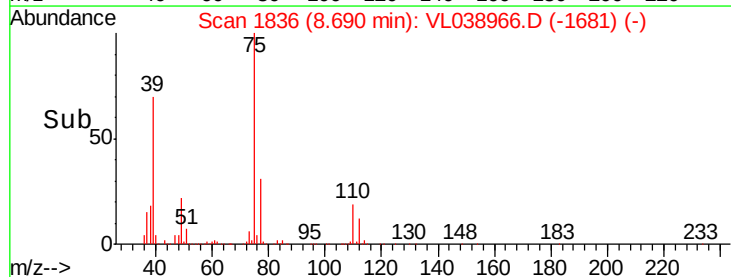
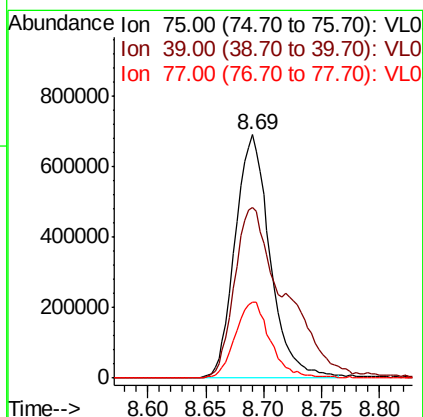
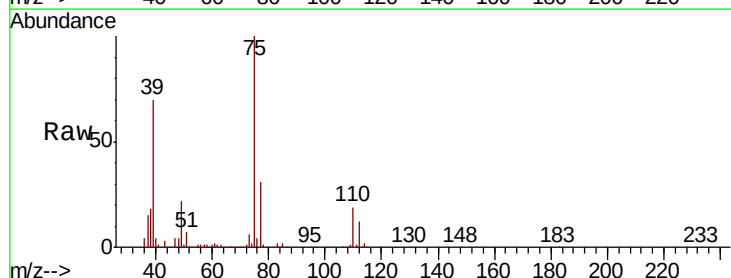
#45
 t-1,3-Dichloropropene
 Concen: 11.732 ppbv
 RT: 9.26 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 9:45

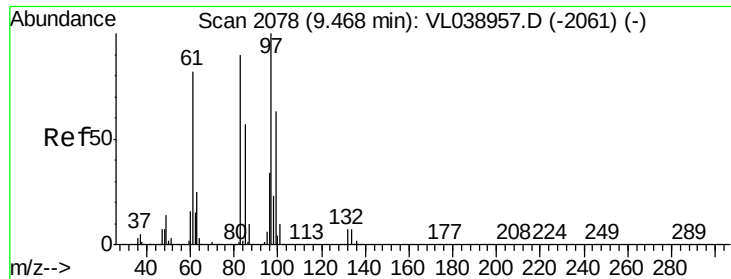
Tot Ion: 75 Resp: 1173746
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.6 37.0



#46
 cis-1,3-Dichloropropene
 Concen: 10.881 ppbv
 RT: 8.69 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VL038966.D
 Acq: 5 May 2022 9:45

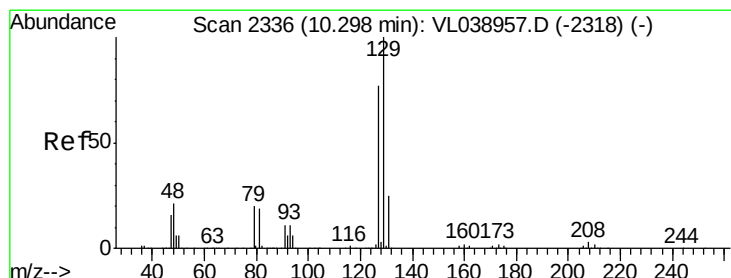
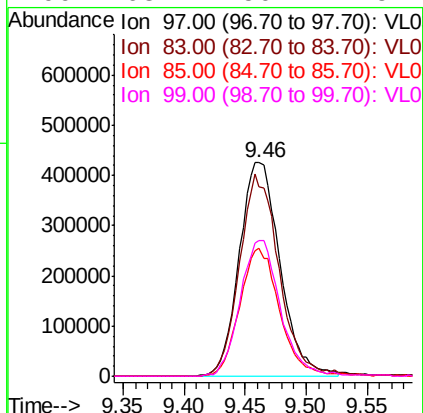
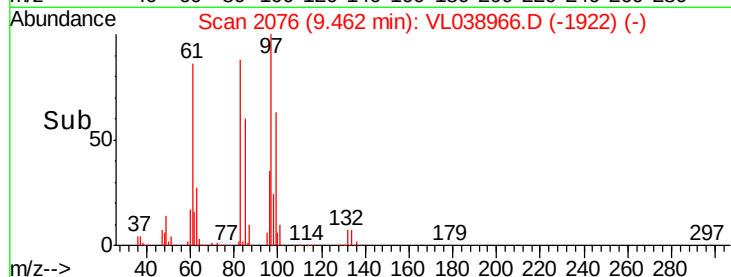
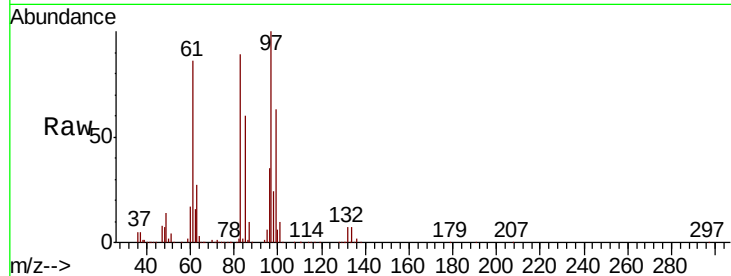
Tgt Ion: 75 Resp: 1443538
 Ion Ratio Lower Upper
 75 100
 39 69.8 55.8 83.6
 77 31.4 24.8 37.2





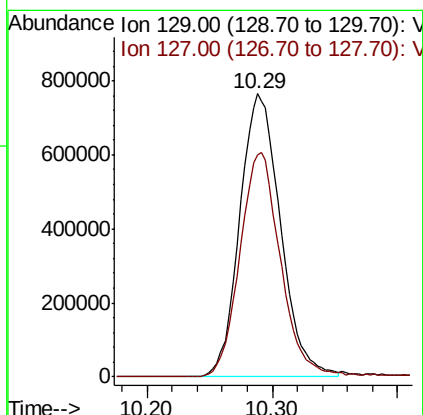
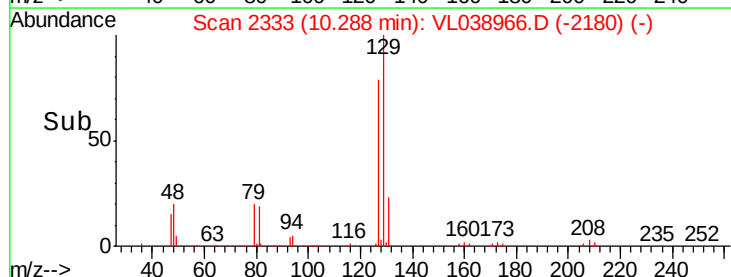
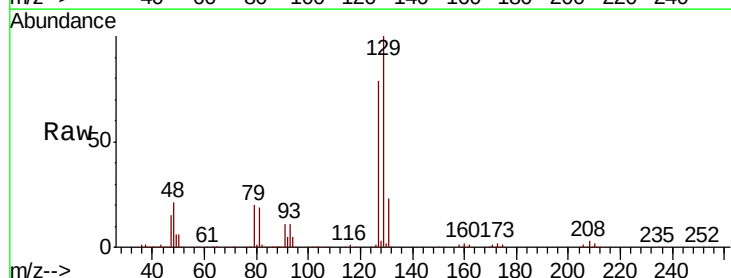
#47
 1,1,2-Trichloroethane
 Concen: 9.549 ppbv
 RT: 9.46 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 9:45

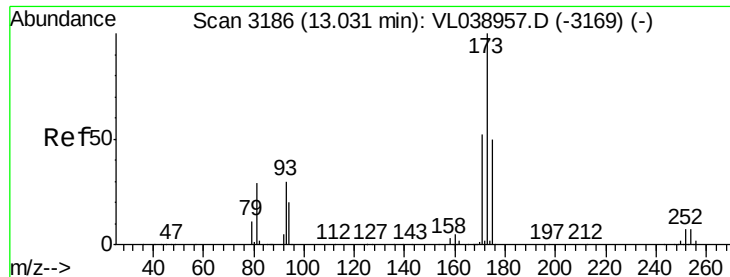
Tot Ion:	97	Resp:	983739
Ion	Ratio	Lower	Upper
97	100		
83	88.5	72.0	108.0
85	59.9	45.7	68.5
99	63.4	50.2	75.4



#48
 Dibromochloromethane
 Concen: 10.317 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. -0.01 min
 Lab File: VL038966.D
 Acq: 5 May 2022 9:45

Tgt Ion:	129	Resp:	1730069
Ion	Ratio	Lower	Upper
129	100		
127	79.5	39.3	117.9





#49

Bromoform

Concen: 10.170 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 9:45

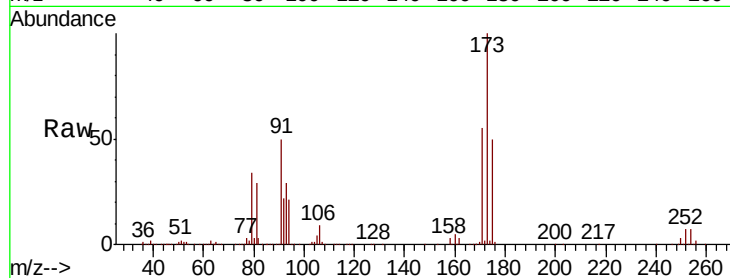
Tot Ion:173 Resp: 1300598

Ion Ratio Lower Upper

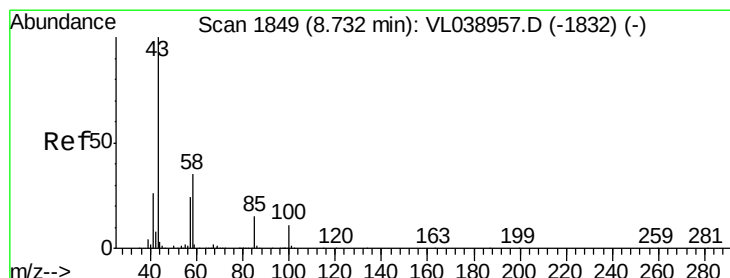
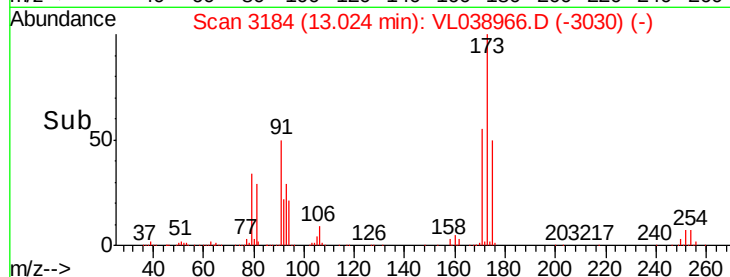
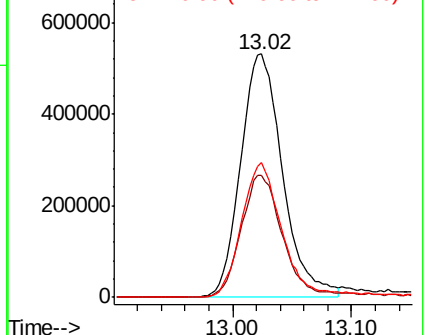
173 100

175 52.1 41.0 61.6

171 55.3 42.6 64.0



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.480 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VL038966.D

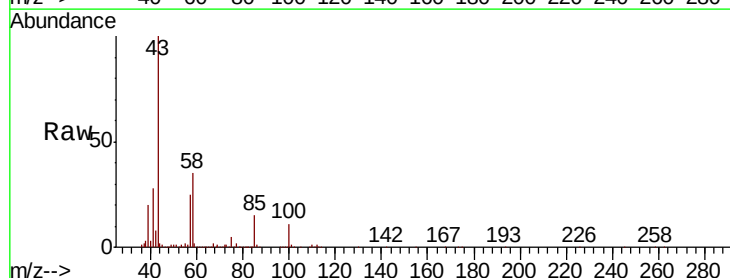
Acq: 5 May 2022 9:45

Tgt Ion: 43 Resp: 2522762

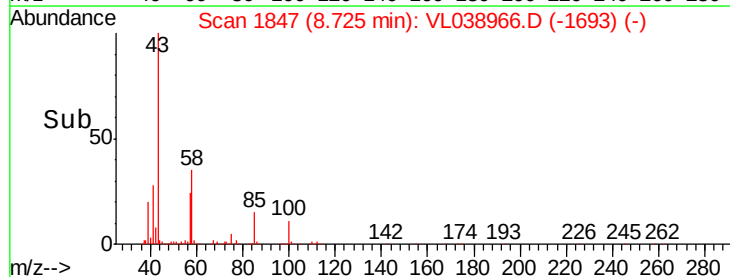
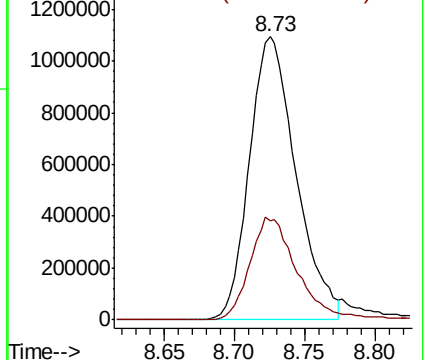
Ion Ratio Lower Upper

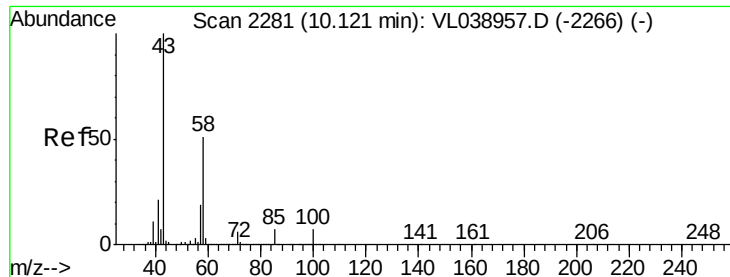
43 100

58 37.4 28.4 42.6



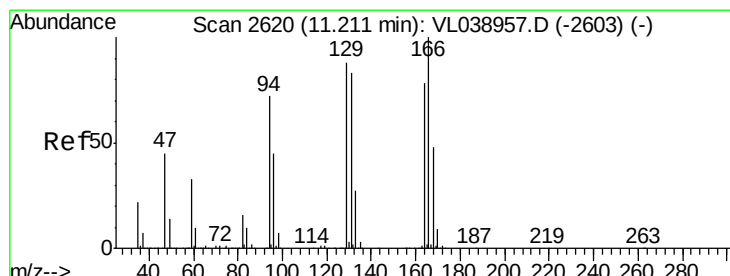
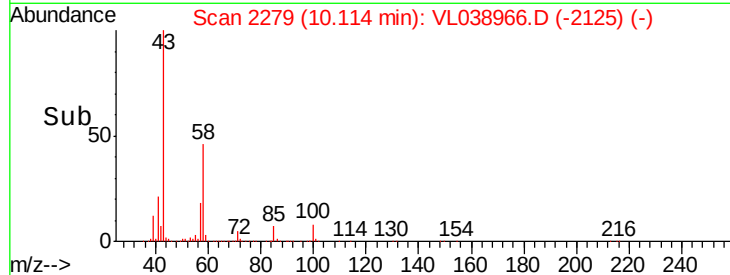
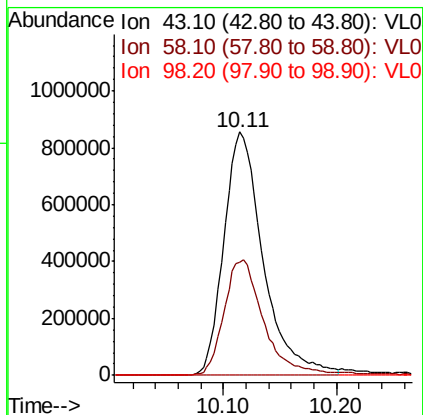
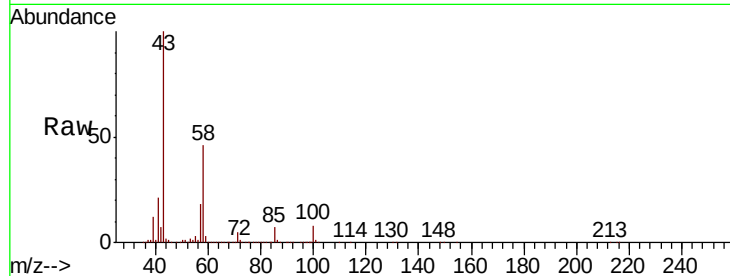
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





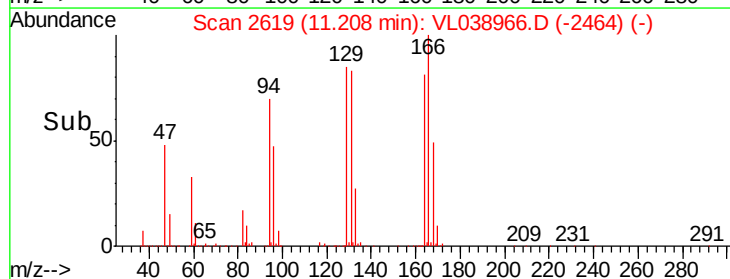
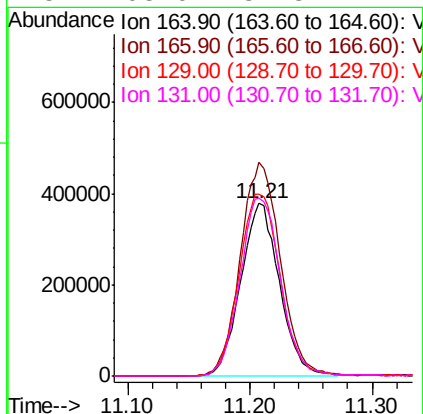
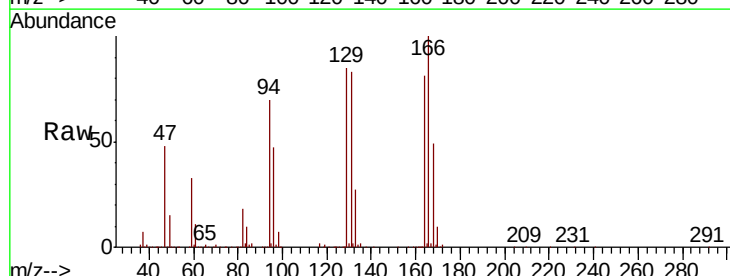
#51
2-Hexanone
Concen: 10.633 ppbv
RT: 10.11 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 9:45

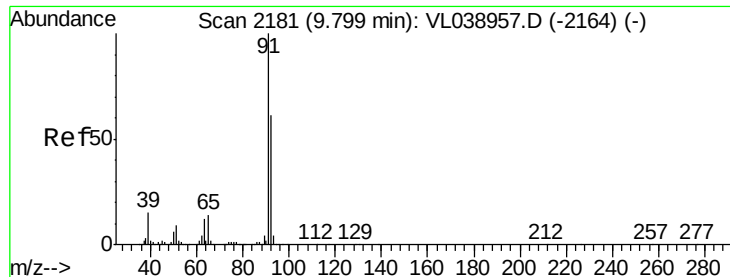
Tot Ion:	43	Resp:	2065346
Ion	Ratio	Lower	Upper
43	100		
58	49.3	39.3	58.9
98	0.2	0.2	0.2



#52
Tetrachloroethene
Concen: 9.084 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. -0.00 min
Lab File: VL038966.D
Acq: 5 May 2022 9:45

Tgt Ion:	164	Resp:	826428
Ion	Ratio	Lower	Upper
164	100		
166	123.7	102.5	153.7
129	105.3	90.1	135.1
131	103.0	84.8	127.2





#53

Toluene

Concen: 9.757 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

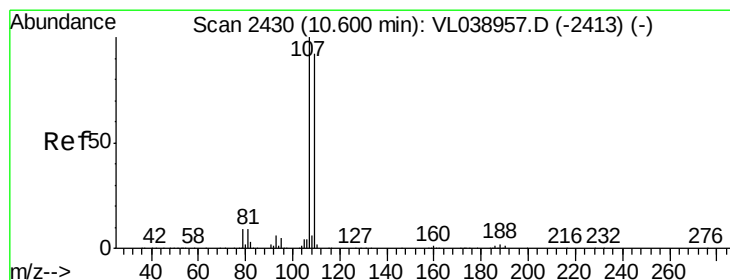
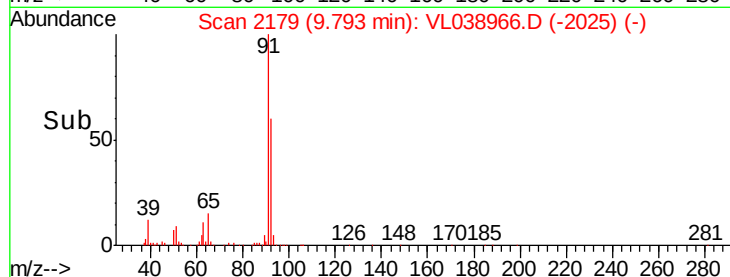
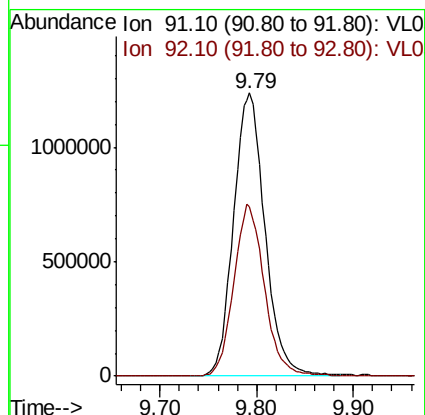
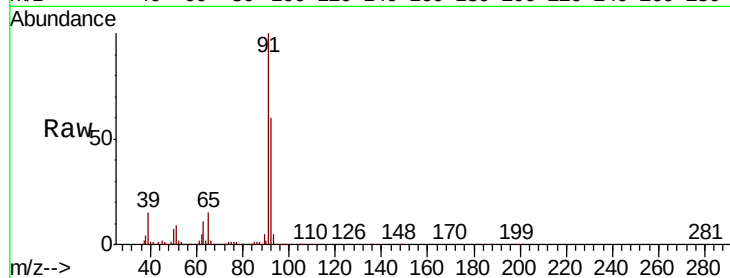
Acq: 5 May 2022 9:45

Tot Ion: 91 Resp: 2784069

Ion Ratio Lower Upper

91 100

92 59.9 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.053 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VL038966.D

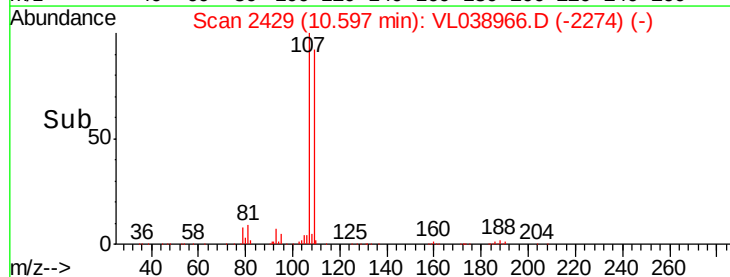
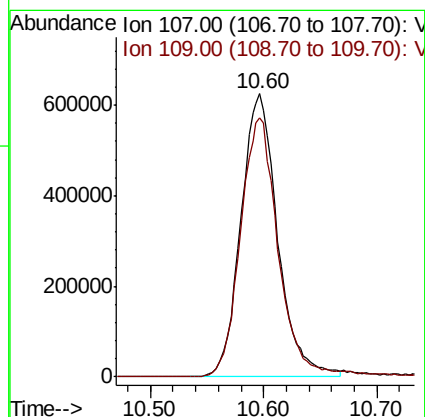
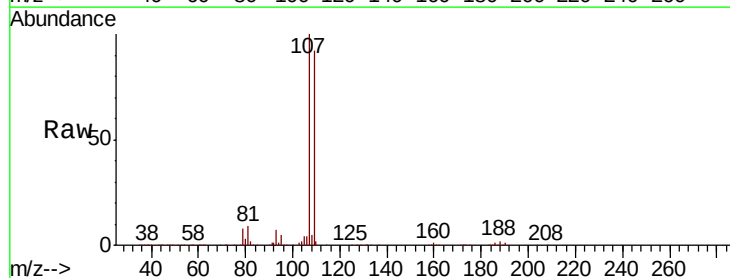
Acq: 5 May 2022 9:45

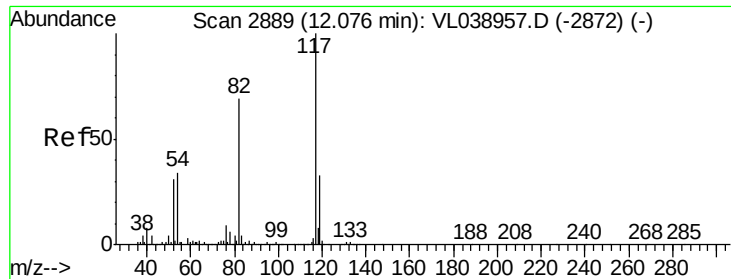
Tgt Ion: 107 Resp: 1410041

Ion Ratio Lower Upper

107 100

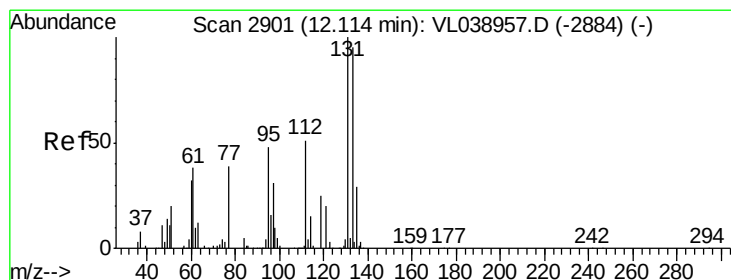
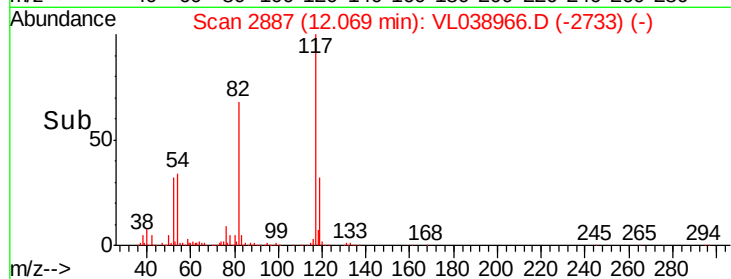
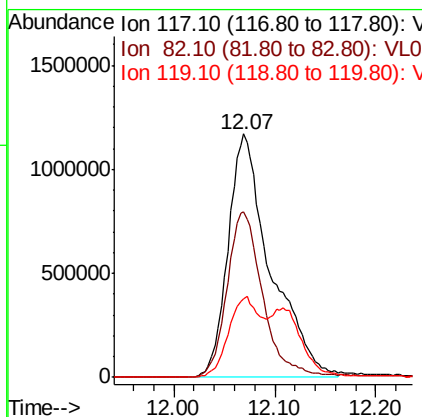
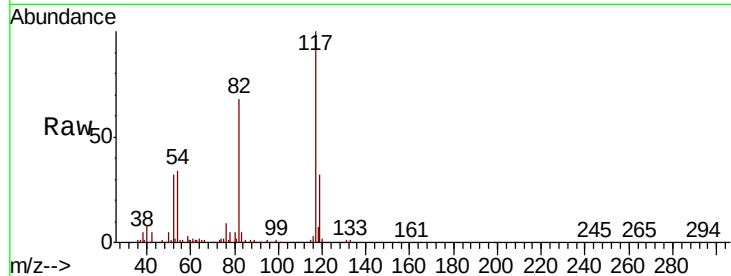
109 91.7 73.8 110.8





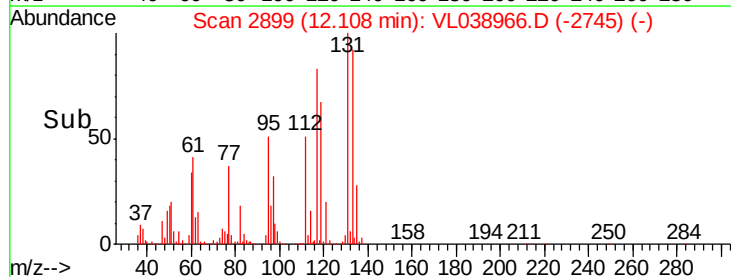
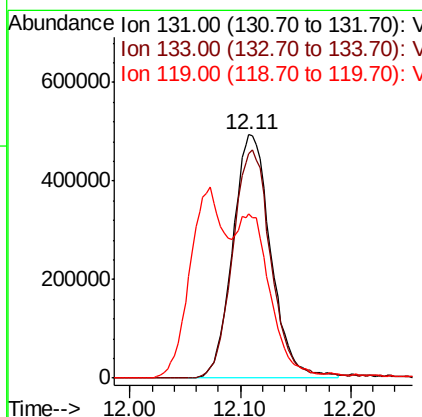
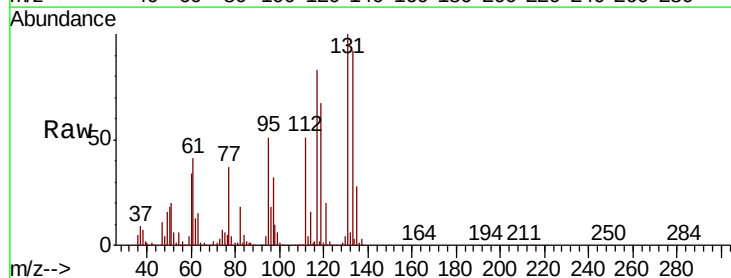
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 9:45

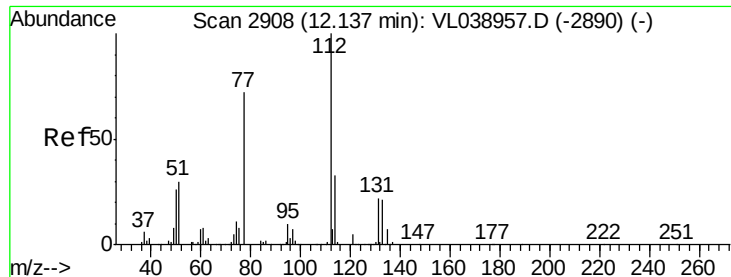
Tot Ion:117 Resp: 3428033
 Ion Ratio Lower Upper
 117 100
 82 58.3 57.0 85.6
 119 27.2 27.2 40.8



#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.866 ppbv
 RT: 12.11 min Scan# 2899
 Delta R.T. -0.01 min
 Lab File: VL038966.D
 Acq: 5 May 2022 9:45

Tgt Ion:131 Resp: 1183165
 Ion Ratio Lower Upper
 131 100
 133 94.9 76.9 115.3
 119 61.9 47.4 71.0

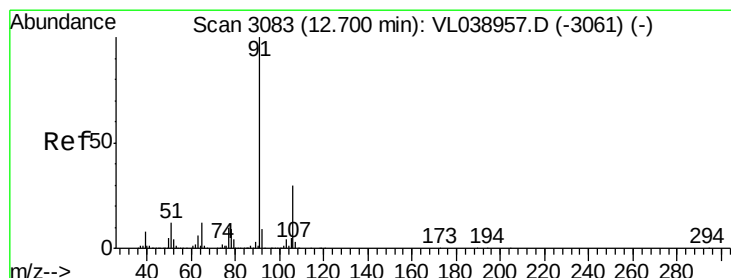
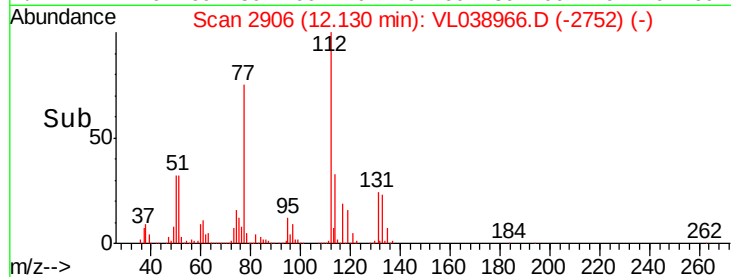
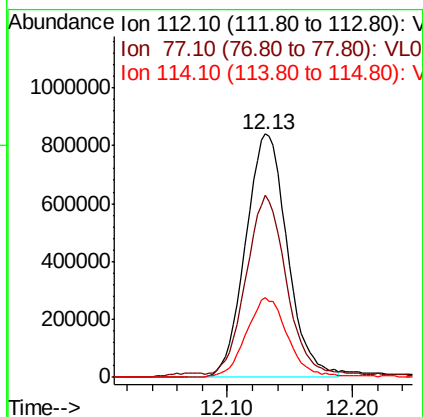
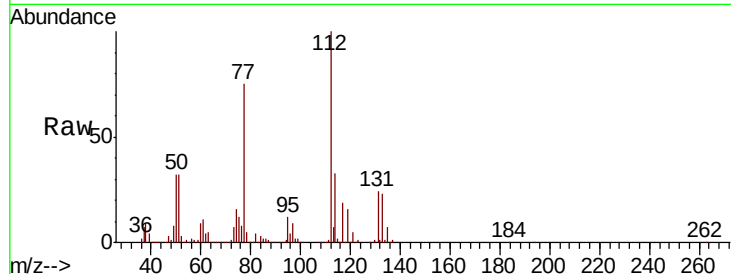




#57
Chlorobenzene
Concen: 7.584 ppbv
RT: 12.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 9:45

Tot Ion: 112 Resp: 1948772

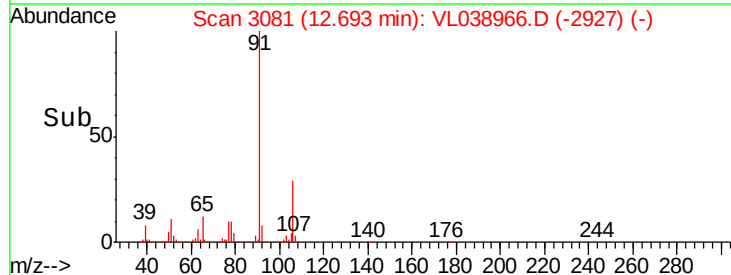
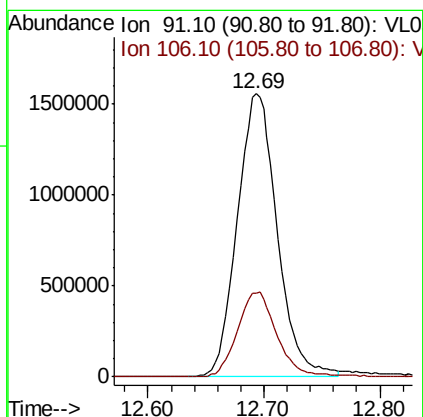
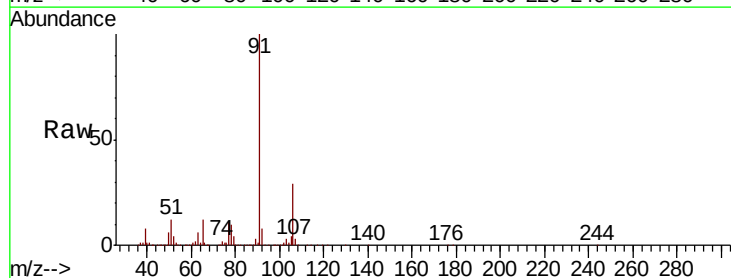
Ion	Ratio	Lower	Upper
112	100		
77	73.0	57.7	86.5
114	33.0	30.1	36.7

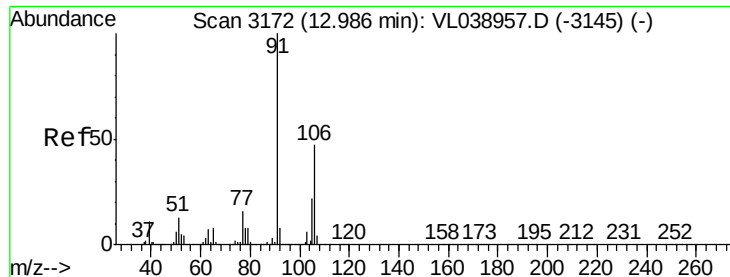


#58
Ethyl Benzene
Concen: 7.523 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.01 min
Lab File: VL038966.D
Acq: 5 May 2022 9:45

Tgt Ion: 91 Resp: 3711504

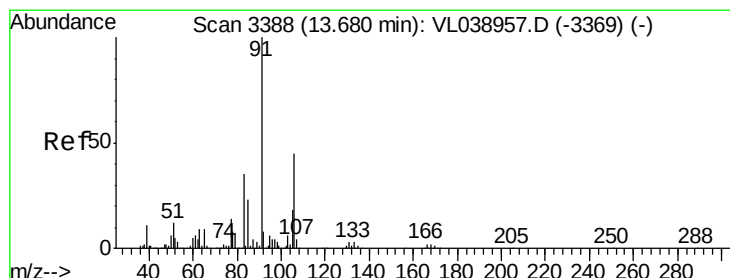
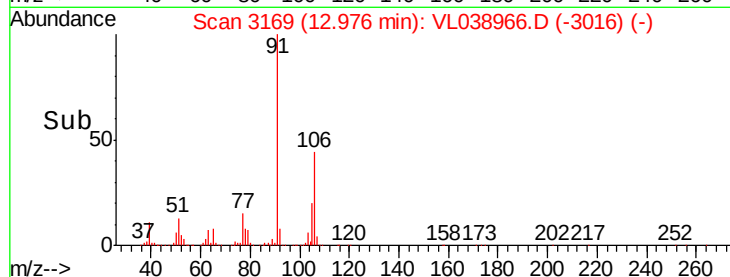
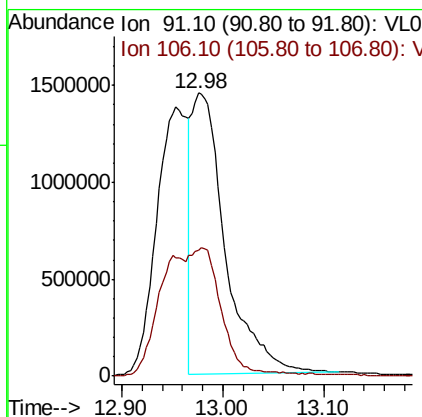
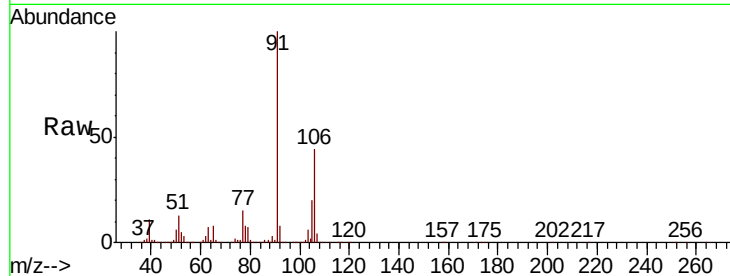
Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.2	36.4





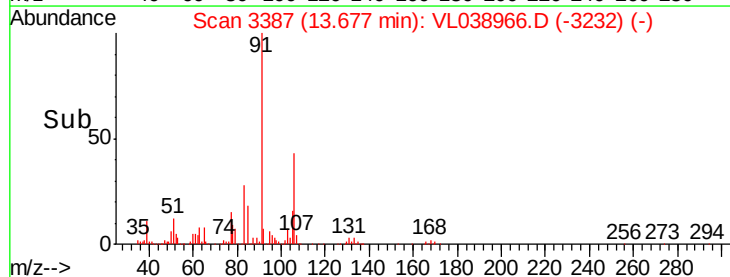
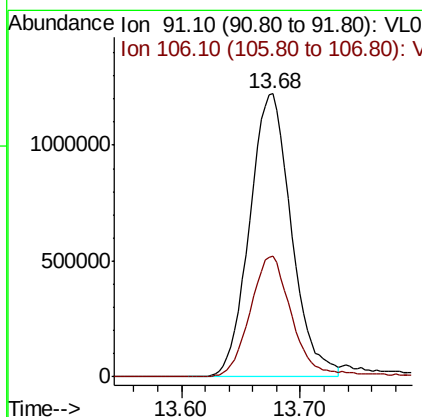
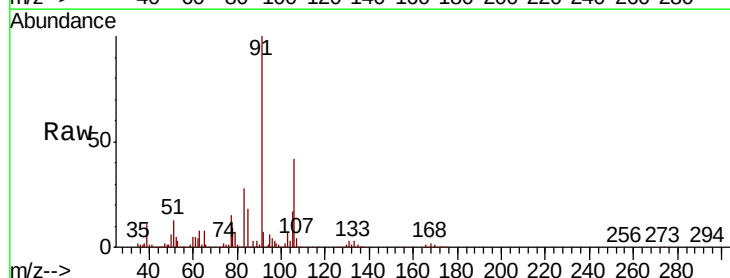
#59
m/p-Xylene
Concen: 7.904 ppbv
RT: 12.98
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 May 2022 9:45

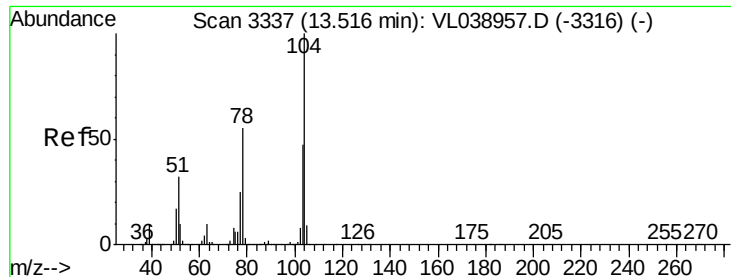
Tot Ion: 91 Resp: 3328816
Ion Ratio Lower Upper
91 100
106 82.1 34.6 52.0#



#60
o-Xylene
Concen: 7.489 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.00 min
Lab File: VL038966.D
Acq: 5 May 2022 9:45

Tgt Ion: 91 Resp: 2968472
Ion Ratio Lower Upper
91 100
106 43.9 22.2 66.6





#61

Stvrene

Concen: 8.083 ppbv

RT: 13.51 min

Delta R.T. MSVOA_L

Lab File:

Acq: 5 May 2022 9:45

Instrument :

ClientSampleId :

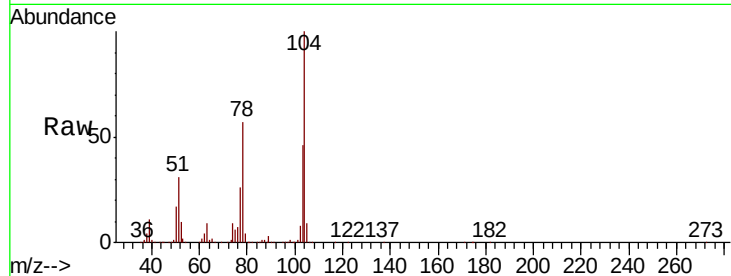
Tot Ion:104 Resp: 1710469

Ion Ratio Lower Upper

104 100

78 57.2 46.4 69.6

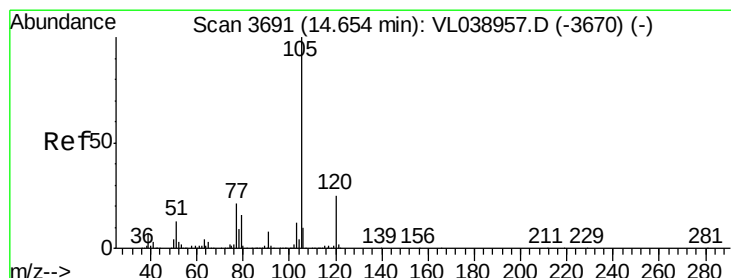
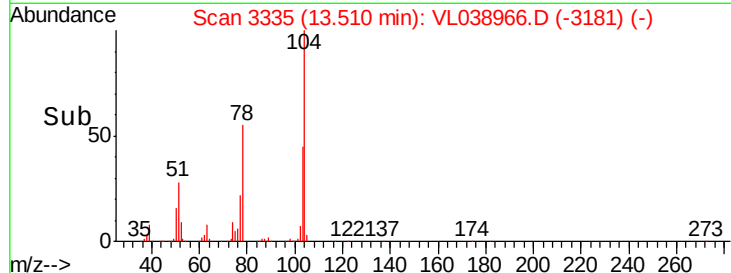
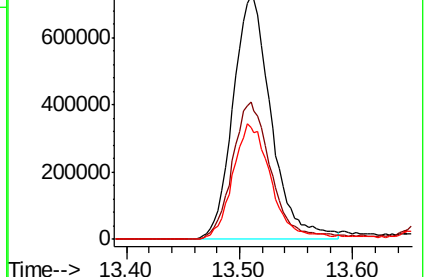
103 48.6 39.3 58.9



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: 8.370 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. -0.01 min

Lab File: VL038966.D

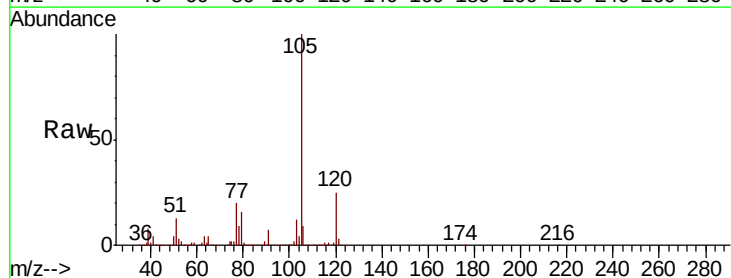
Acq: 5 May 2022 9:45

Tgt Ion:105 Resp: 4235100

Ion Ratio Lower Upper

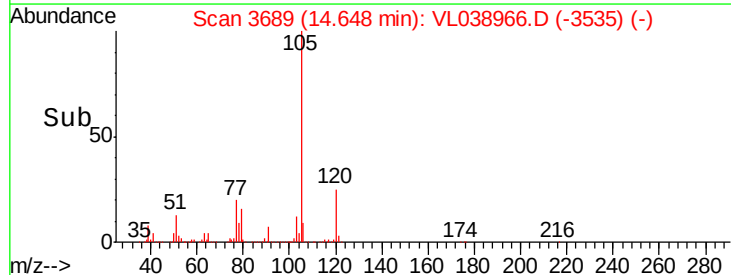
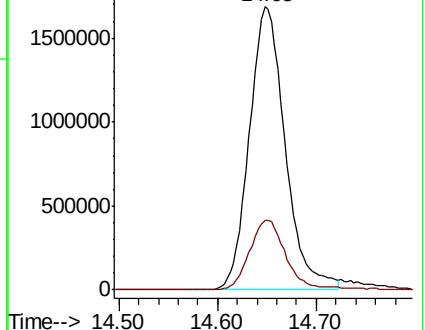
105 100

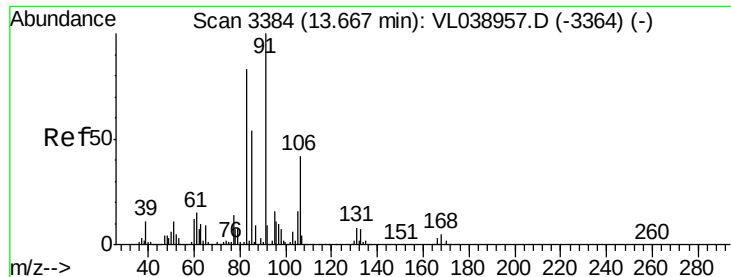
120 25.4 20.5 30.7



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: 6.987 ppbv

RT: 13.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 9:45

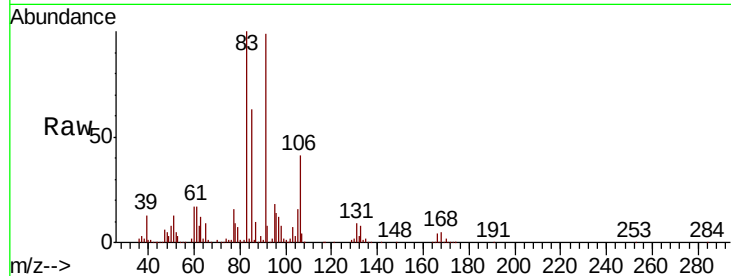
Tot Ion: 83 Resp: 1630864

Ion Ratio Lower Upper

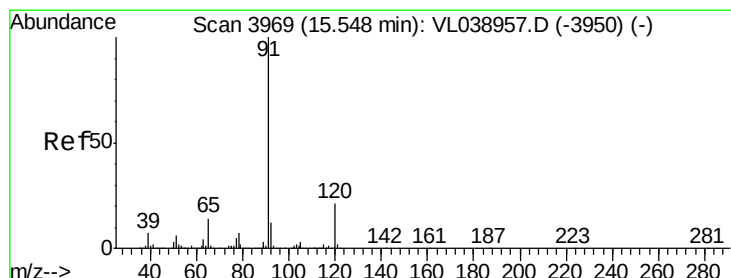
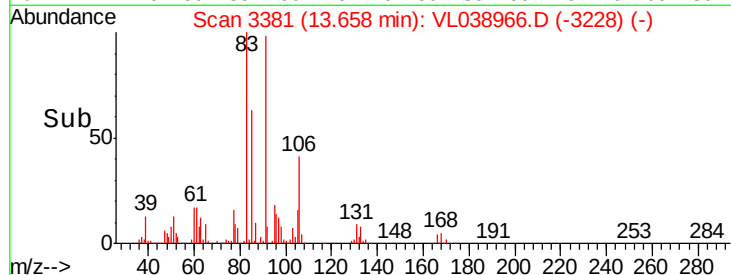
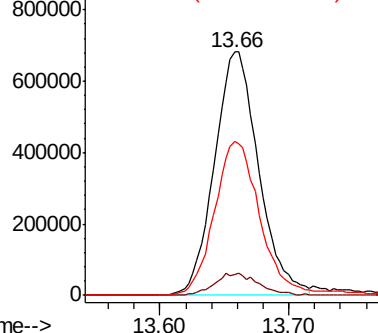
83 100

131 9.4 4.5 13.7

85 66.7 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.675 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. -0.00 min

Lab File: VL038966.D

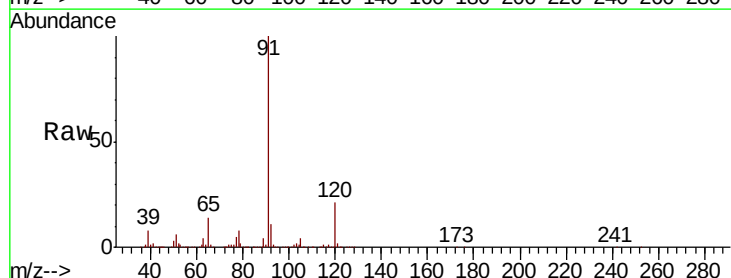
Acq: 5 May 2022 9:45

Tgt Ion:120 Resp: 1075609

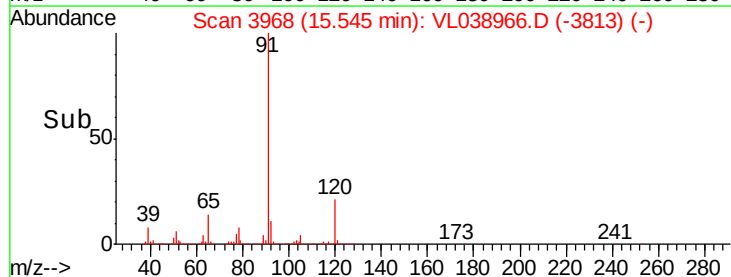
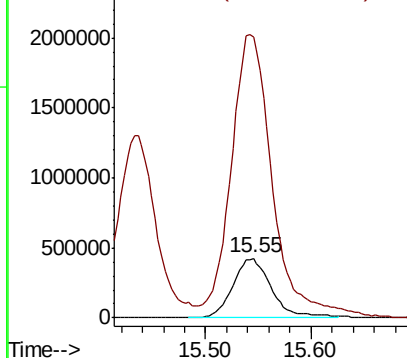
Ion Ratio Lower Upper

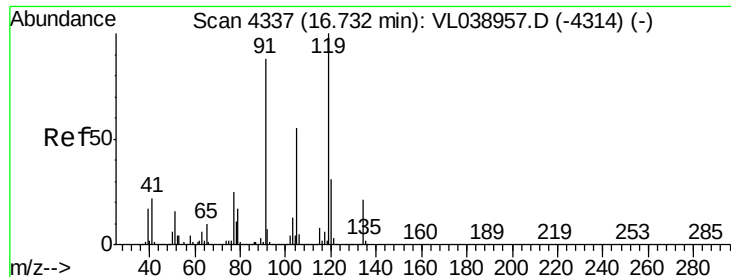
120 100

91 512.6 400.6 601.0



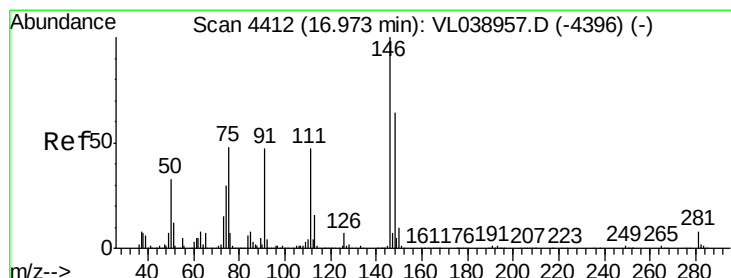
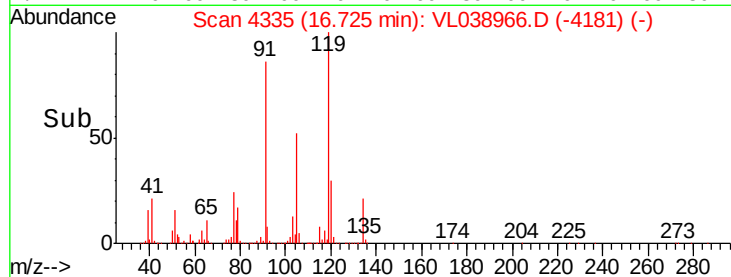
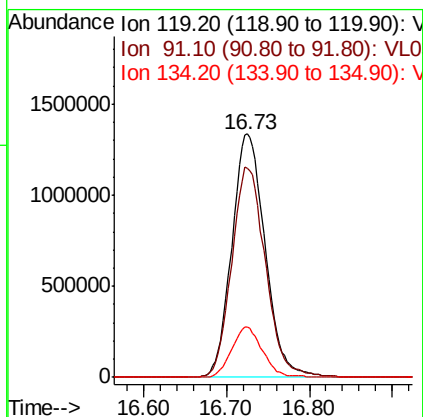
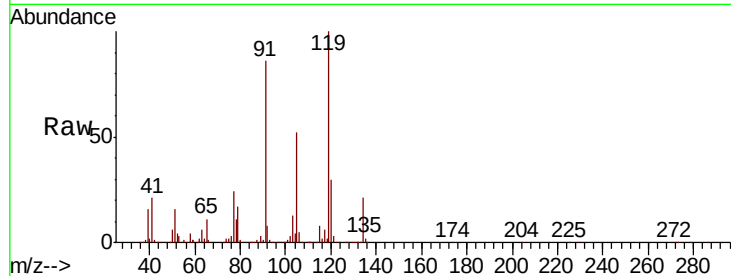
Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





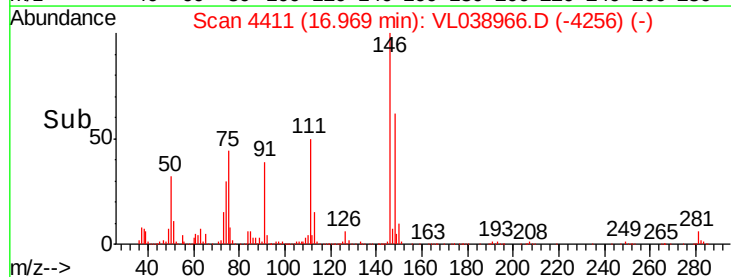
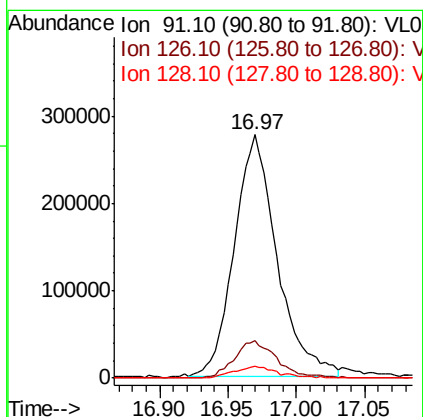
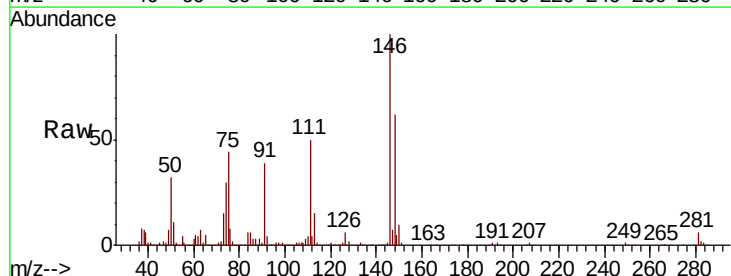
#65
 tert-Butylbenzene
 Concen: 7.351 ppbv
 RT: 16.73 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 9:45

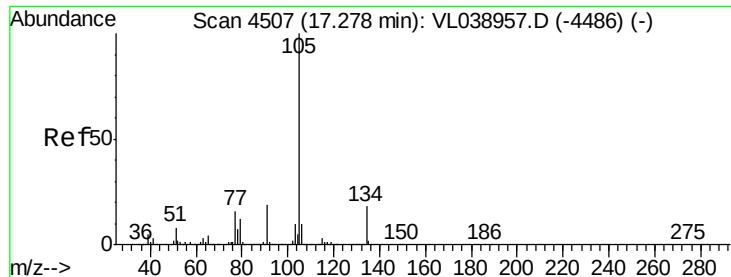
Tot Ion: 119 Resp: 3733525
 Ion Ratio Lower Upper
 119 100
 91 87.6 69.4 104.2
 134 19.3 15.8 23.8



#66
 Benzyl Chloride
 Concen: 9.107 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. -0.00 min
 Lab File: VL038966.D
 Acq: 5 May 2022 9:45

Tgt Ion: 91 Resp: 604624
 Ion Ratio Lower Upper
 91 100
 126 15.7 11.8 17.6
 128 5.2 4.2 6.2





#67

sec-Butylbenzene

Concen: 7.433 ppbv

RT: 17.27

Delta R.T. MSVOA_L

Lab File:

ClientSampleId:

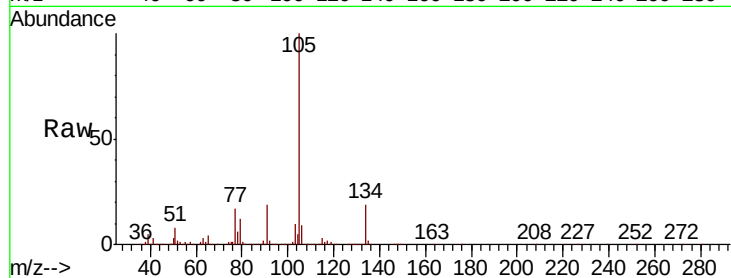
Acq: 5 May 2022 9:45

Tot Ion: 105 Resp: 5393892

Ion Ratio Lower Upper

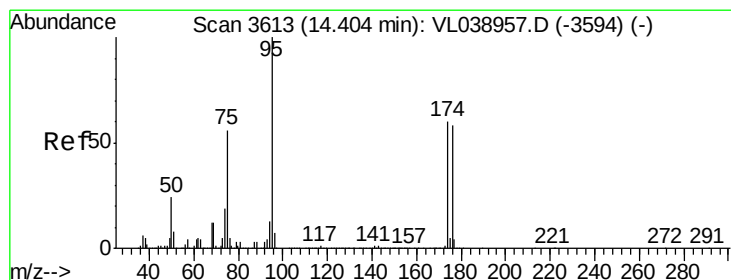
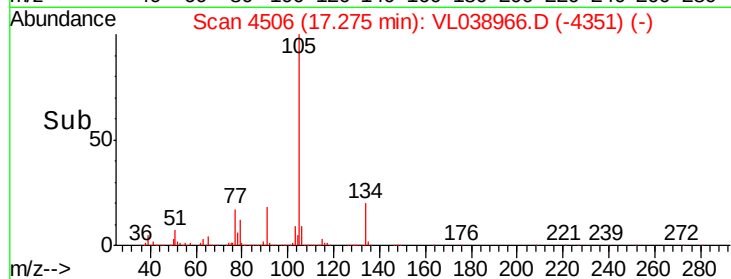
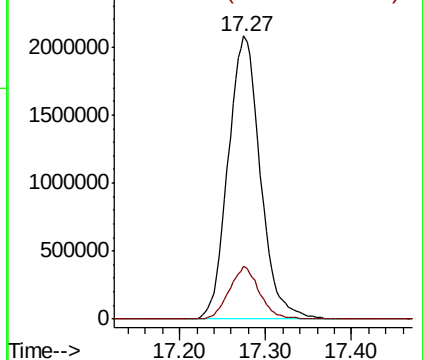
105 100

134 17.4 14.2 21.4



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: 8.348 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.01 min

Lab File: VL038966.D

Acq: 5 May 2022 9:45

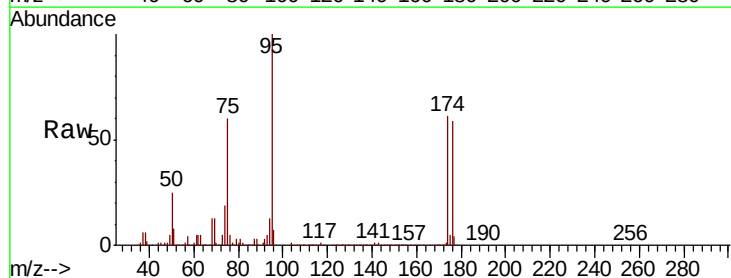
Tgt Ion: 95 Resp: 2266286

Ion Ratio Lower Upper

95 100

174 63.1 50.8 76.2

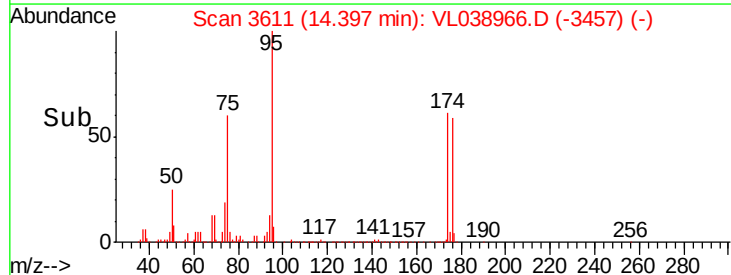
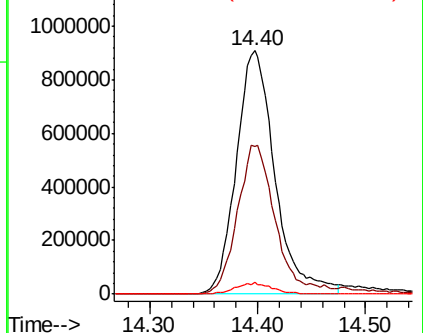
175 4.7 3.8 5.6

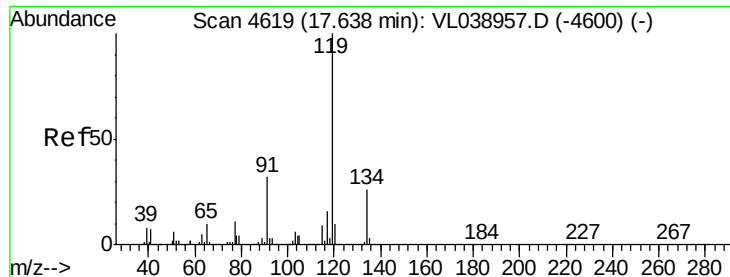


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

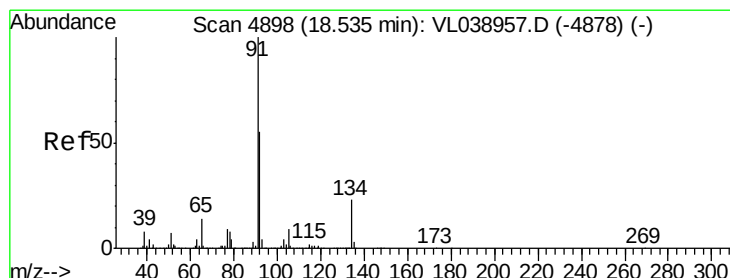
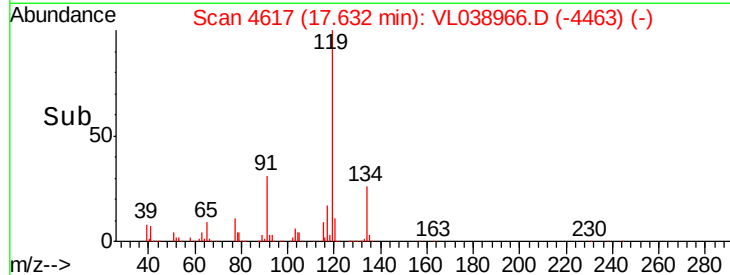
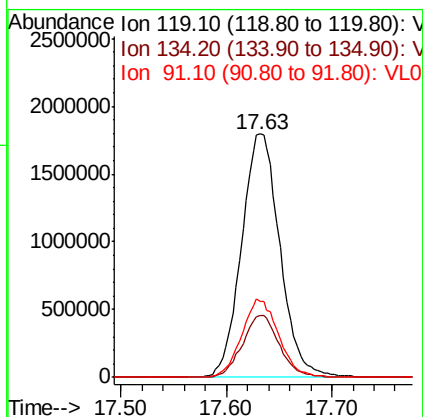
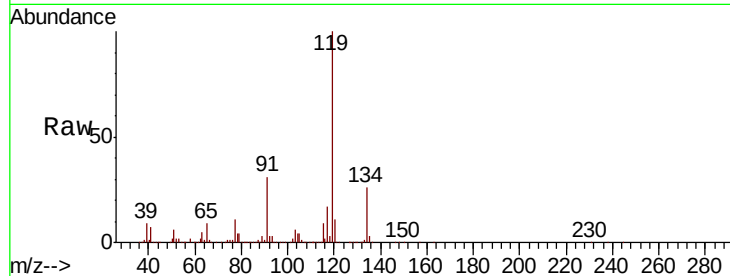
Ion 175.00 (174.70 to 175.70): V





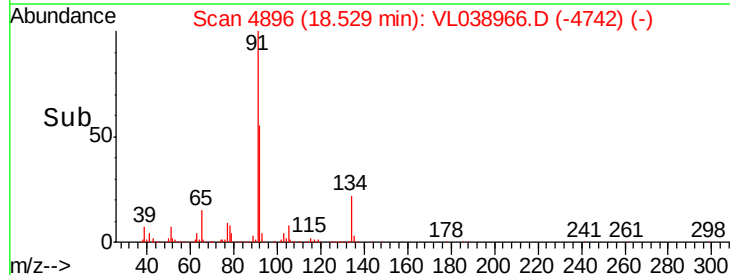
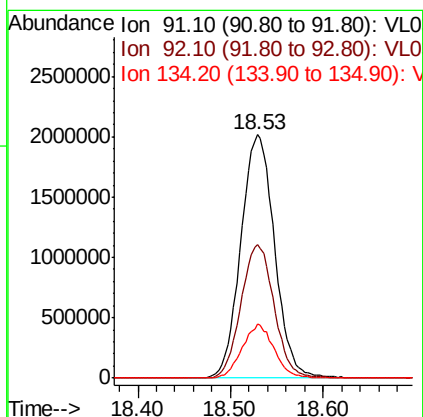
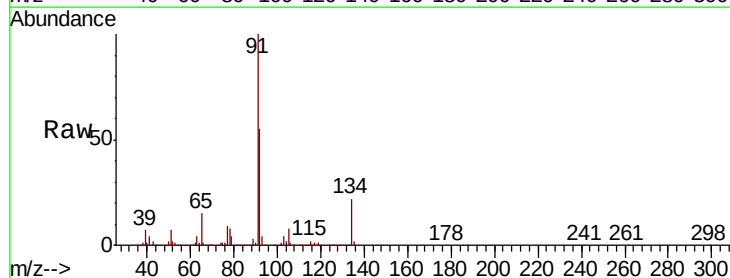
#69
 p-Isopropyltoluene
 Concen: 7.728 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 9:45

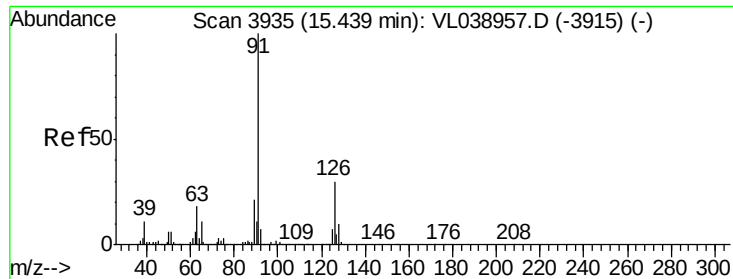
Tot Ion:	119	Resp:	4530561
Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.0	30.0
91	31.0	24.8	37.2



#70
 n-Butylbenzene
 Concen: 8.163 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.01 min
 Lab File: VL038966.D
 Acq: 5 May 2022 9:45

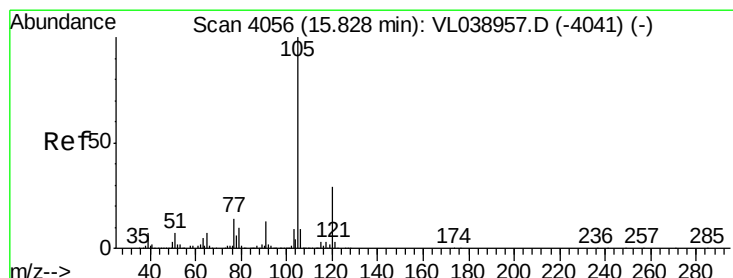
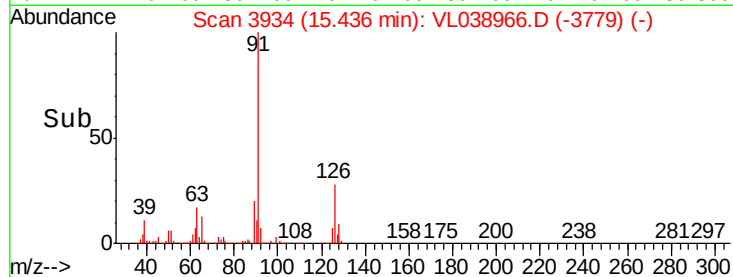
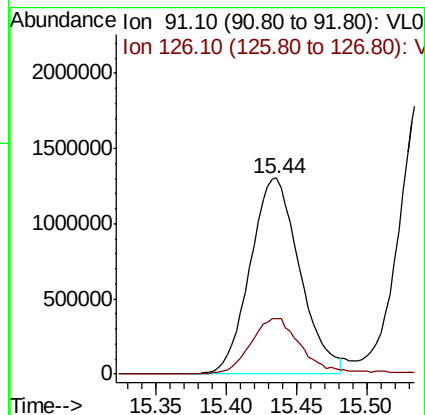
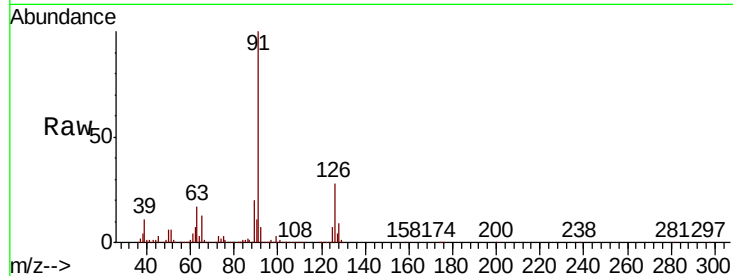
Tgt Ion:	91	Resp:	5084198
Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.1	64.7
134	21.0	17.0	25.4





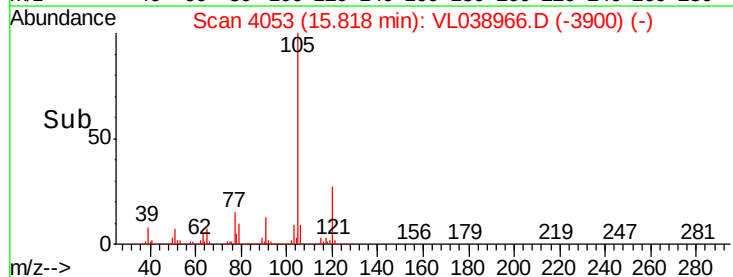
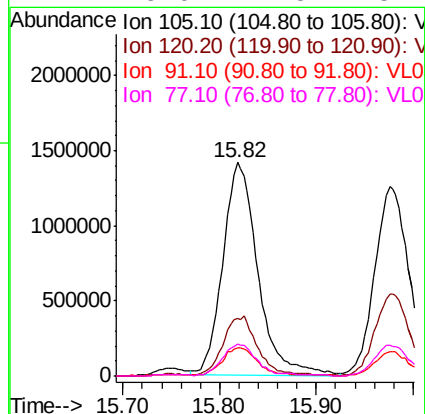
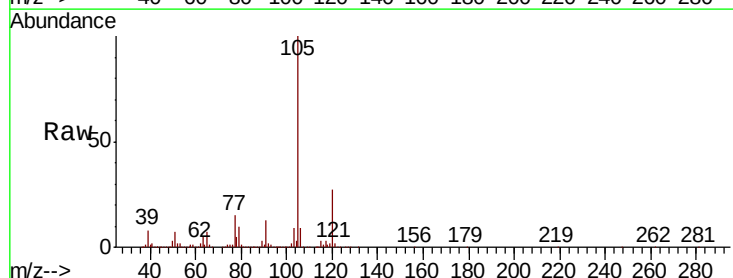
#71
 2-Chlorotoluene
 Concen: 7.162 ppbv
 RT: 15.44
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampled:
 Acq: 5 May 2022 9:45

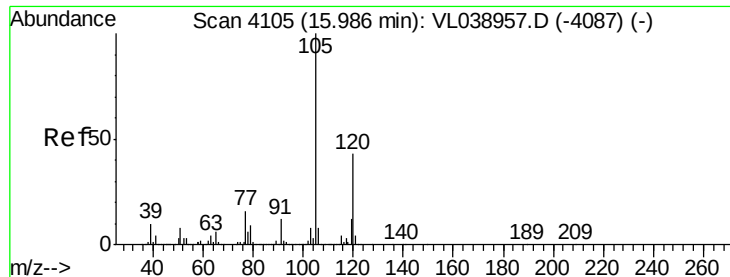
Tot Ion: 91 Resp: 3200611
 Ion Ratio Lower Upper
 91 100
 126 30.4 11.9 47.5



#72
 4-Ethyltoluene
 Concen: 7.908 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. -0.01 min
 Lab File: VL038966.D
 Acq: 5 May 2022 9:45

Tgt Ion:105 Resp: 3572100
 Ion Ratio Lower Upper
 105 100
 120 28.1 23.4 35.0
 91 13.2 10.6 16.0
 77 15.0 12.5 18.7





#73

1,3,5-Trimethylbenzene

Concen: 7.905 ppbv

RT: 15.98 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

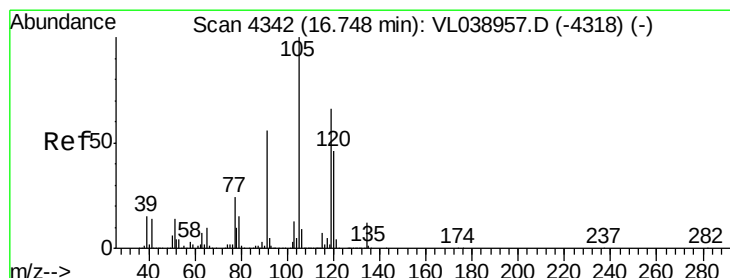
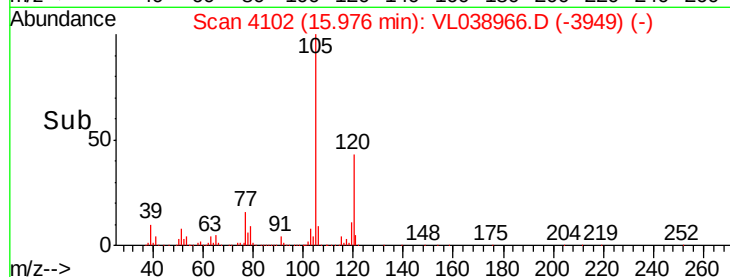
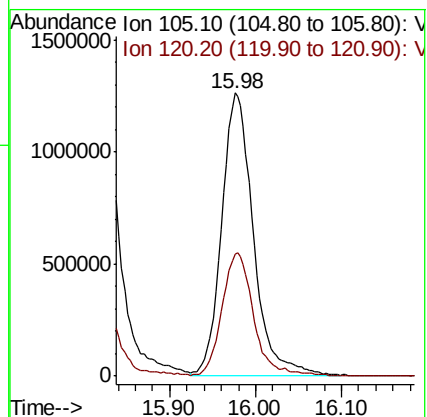
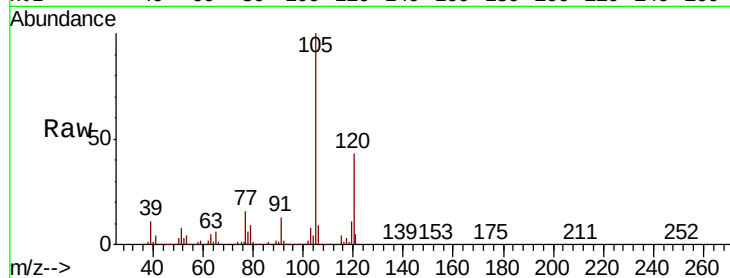
Acq: 5 May 2022 9:45

Tot Ion:105 Resp: 3214616

Ion Ratio Lower Upper

105 100

120 43.2 34.4 51.6



#74

1,2,4-Trimethylbenzene

Concen: 7.659 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.00 min

Lab File: VL038966.D

Acq: 5 May 2022 9:45

Tgt Ion:105 Resp: 3410212

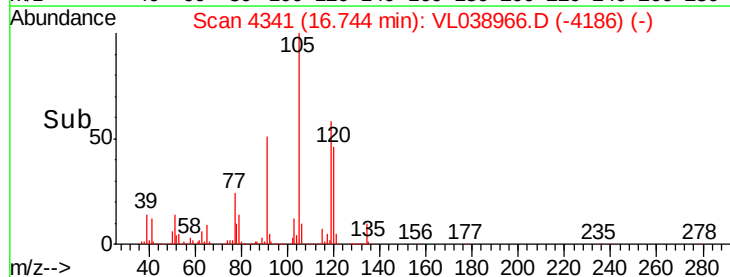
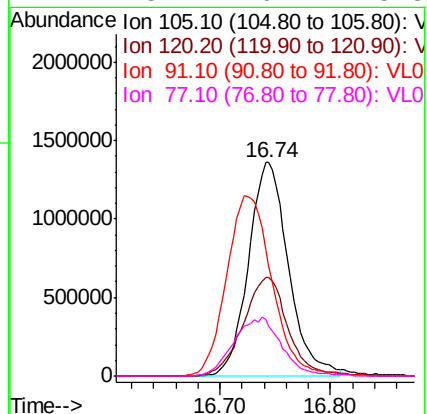
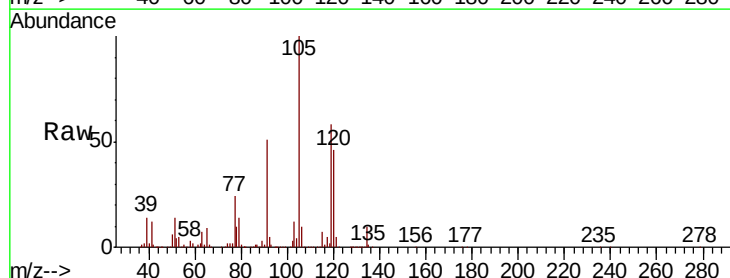
Ion Ratio Lower Upper

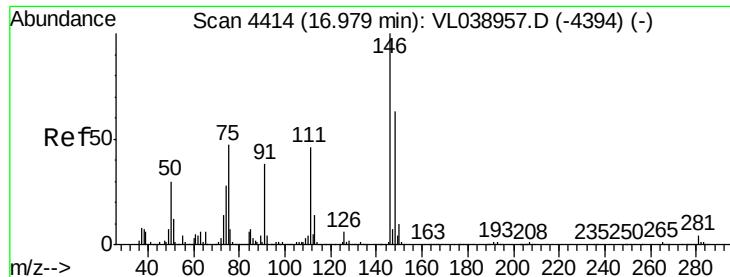
105 100

120 45.9 36.9 55.3

91 50.8 45.0 67.4

77 23.4 19.2 28.8





#75

1,3-Dichlorobenzene

Concen: 7.825 ppbv

RT: 16.98

Delta R.T. MSVOA_L

Lab File:

Acq: 5 May 2022 9:45

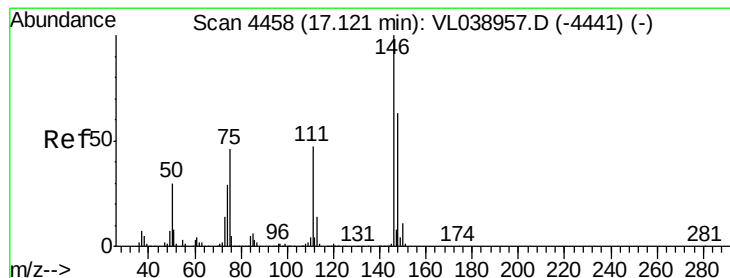
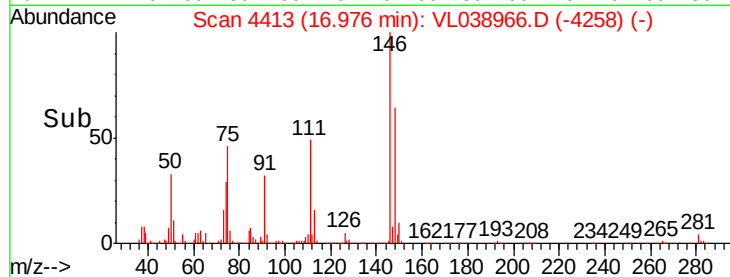
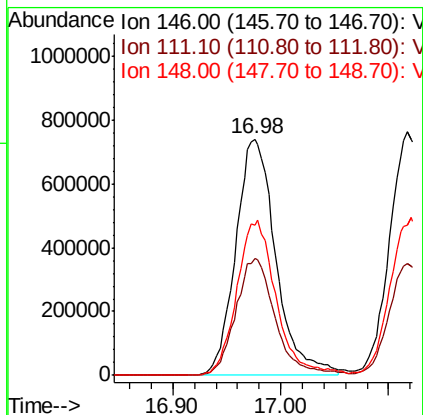
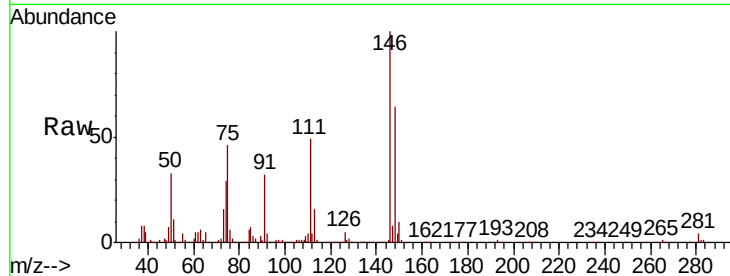
Tot Ion:146 Resp: 1908981

Ion Ratio Lower Upper

146 100

111 49.1 24.1 72.2

148 64.6 32.4 97.2



#76

1,4-Dichlorobenzene

Concen: 7.938 ppbv

RT: 17.12 min Scan# 4457

Delta R.T. -0.00 min

Lab File: VL038966.D

Acq: 5 May 2022 9:45

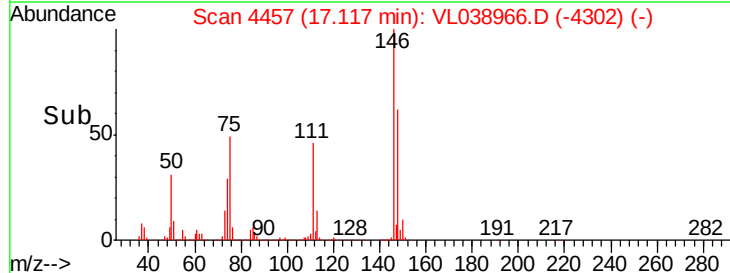
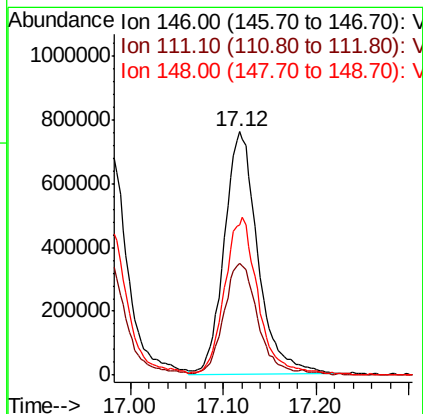
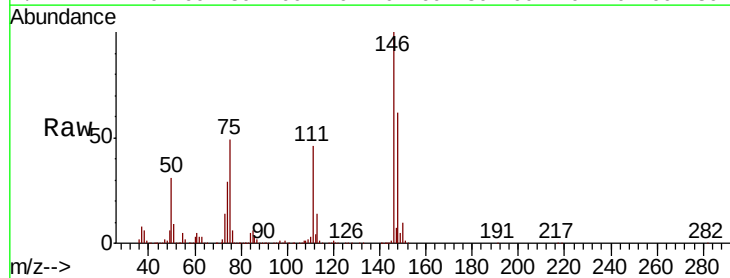
Tgt Ion:146 Resp: 1905134

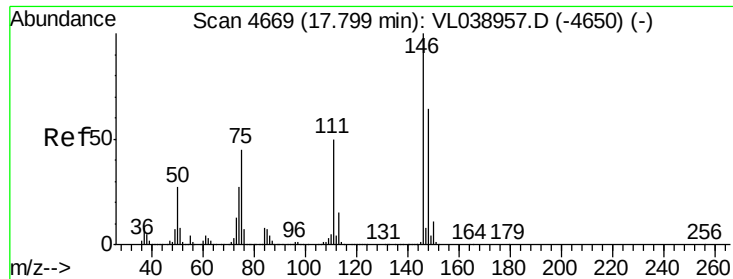
Ion Ratio Lower Upper

146 100

111 47.9 23.6 71.0

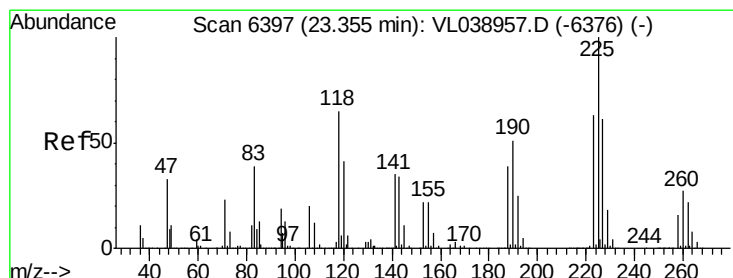
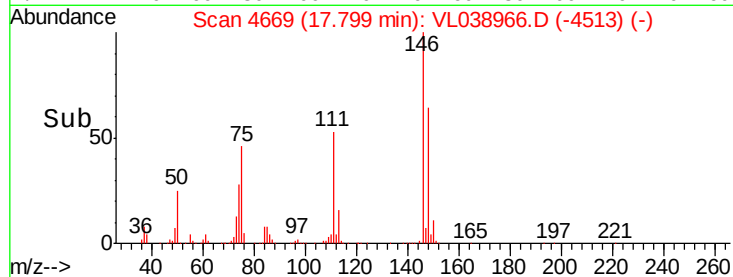
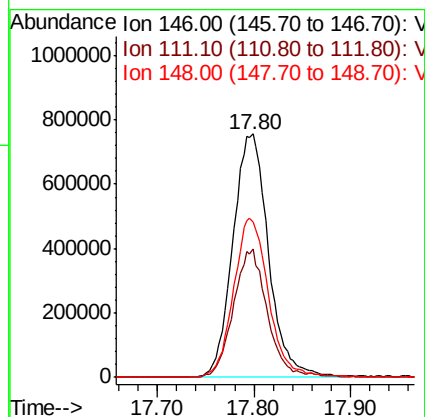
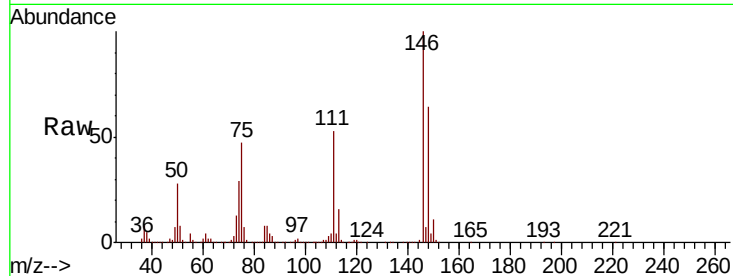
148 64.9 32.2 96.6





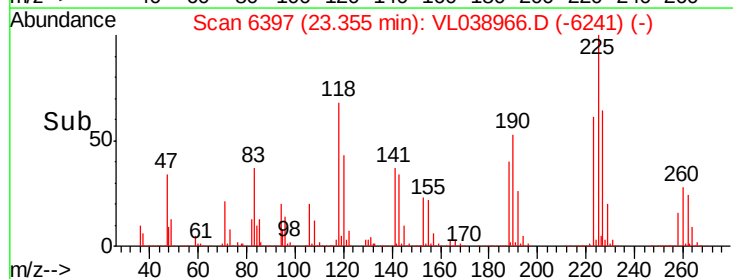
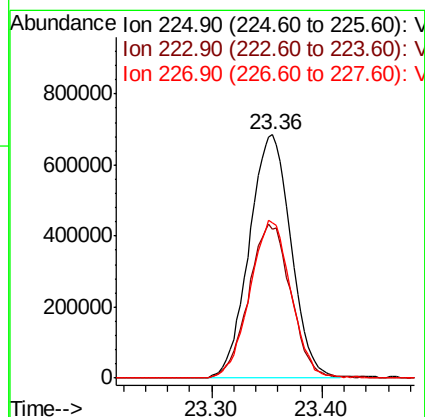
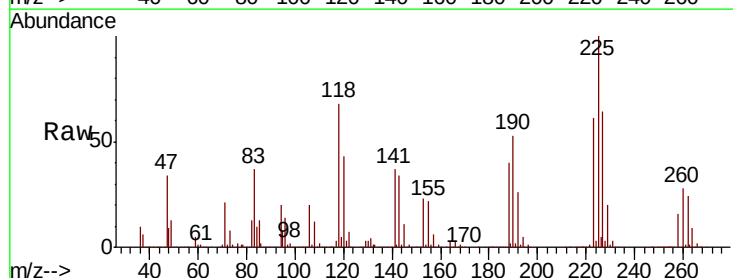
#77
 1,2-Dichlorobenzene
 Concen: 8.009 ppbv
 RT: 17.80 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 9:45

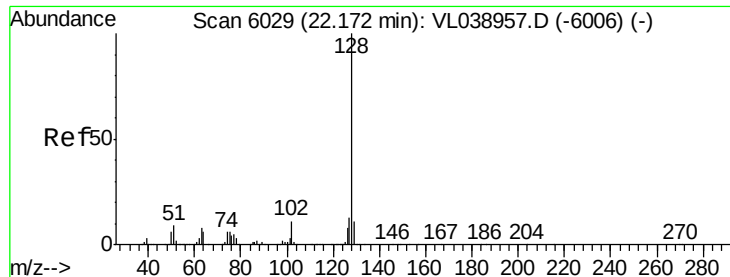
Tot Ion:146 Resp: 1932487
 Ion Ratio Lower Upper
 146 100
 111 50.3 25.3 75.9
 148 64.5 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.105 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T.: 0.00 min
 Lab File: VL038966.D
 Acq: 5 May 2022 9:45

Tgt Ion:225 Resp: 1797321
 Ion Ratio Lower Upper
 225 100
 223 64.2 51.4 77.0
 227 64.1 51.4 77.0





#79

Naphthalene

Concen: 10.864 ppbv

RT: 22.17

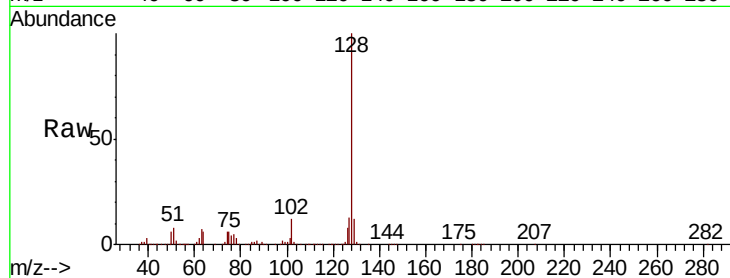
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 9:45

Tot Ion:128 Resp: 3929311

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.6	8.9	13.3

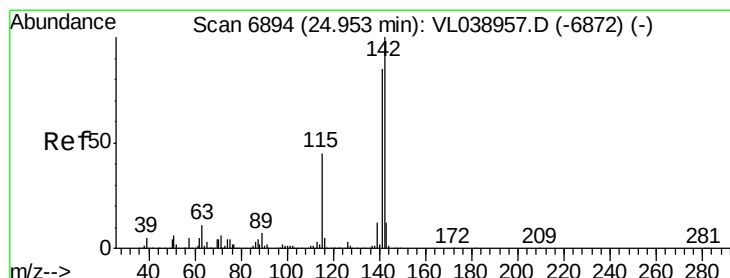
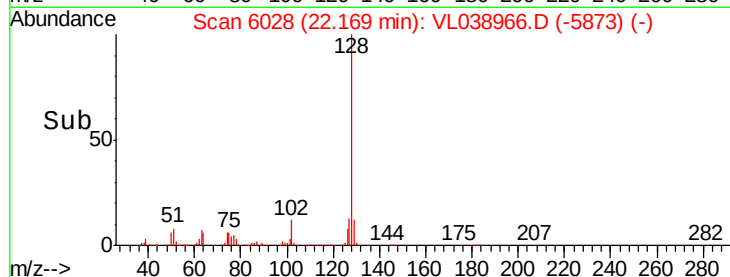
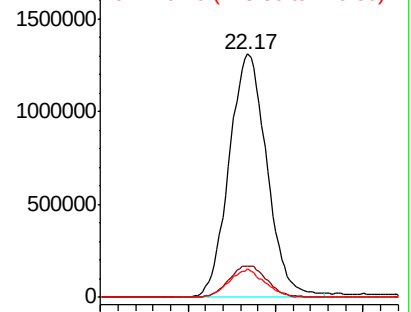


Abundance

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: 10.026 ppbv

RT: 24.95 min Scan# 6894

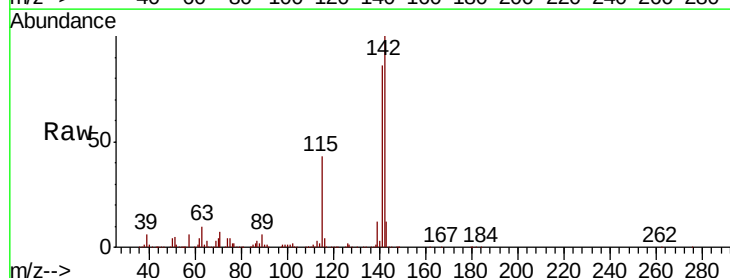
Delta R.T. 0.00 min

Lab File: VL038966.D

Acq: 5 May 2022 9:45

Tgt Ion:142 Resp: 1096958

Ion	Ratio	Lower	Upper
142	100		
141	86.4	70.8	106.2
115	44.8	35.1	52.7

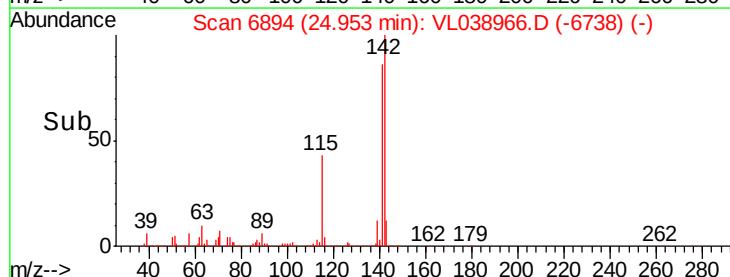
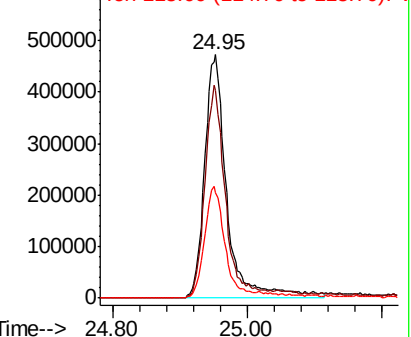


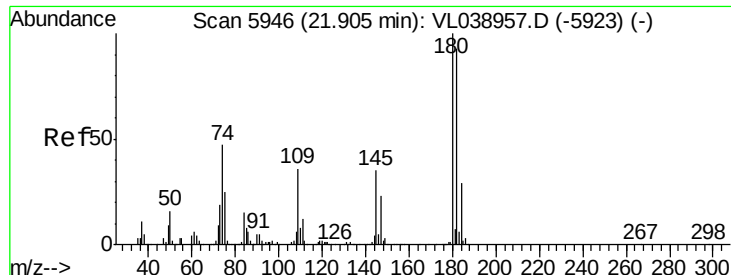
Abundance

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: 9.554 ppbv

RT: 21.90 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 9.45

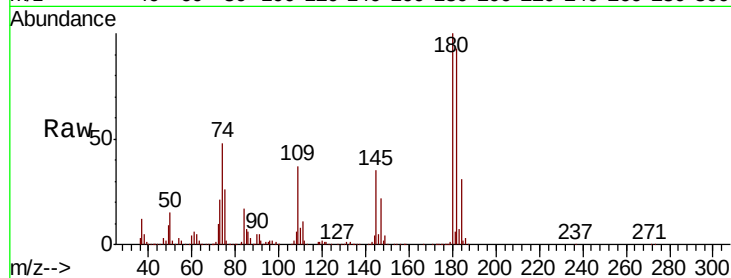
Tot Ion:180 Resp: 2024755

Ion Ratio Lower Upper

180 100

182 97.6 78.4 117.6

184 30.7 24.4 36.6



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

