

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092921\
 Data File : VL037731.D
 Acq On : 29 Sep 2021 14:39
 Operator : SY/AP
 Sample : VL0929SBS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

Quant Time: Sep 29 22:48:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1271296	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3817196	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	4336098	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2547367	8.13	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1651806	7.180	ppbv	98
3) Chlorodifluoromethane	2.99	51	2476812	10.329	ppbv	99
4) Chloromethane	3.14	50	938913	10.598	ppbv	99
5) Vinyl Chloride	3.26	62	947455	11.386	ppbv	100
6) Bromomethane	3.48	94	471729	9.753	ppbv	98
7) Chloroethane	3.56	64	330597	10.630	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2058208	10.371	ppbv	99
9) Propene	3.01	41	936442	11.071	ppbv	94
10) Heptane	8.12	43	2286883	11.587	ppbv	100
11) Trichlorofluoromethane	3.95	101	1943619	10.524	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1426418	10.463	ppbv	100
13) Ethanol	3.61	45	41237	4.984	ppbv #	27
14) Bromoethene	3.74	108	675704	10.889	ppbv	97
15) Acetone	3.85	43	1112379	8.422	ppbv	96
16) 1,3-Butadiene	3.33	39	901001	10.916	ppbv	100
17) tert-Butyl alcohol	4.29	59	1329026	11.866	ppbv	99
18) 1,1-Dichloroethene	4.29	96	674261	10.617	ppbv	95
19) Isopropyl Alcohol	3.97	45	764656	10.640	ppbv #	98
20) Methylene Chloride	4.35	84	565673	8.970	ppbv	96
21) Allyl Chloride	4.41	41	1070556	10.849	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	670438	10.493	ppbv	97
23) Vinyl Acetate	5.07	43	1991313	10.895	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1337642	10.216	ppbv	100
25) Ethyl Acetate	5.68	43	3494982	10.925	ppbv	99
26) Hexane	5.69	57	1701266	11.195	ppbv	99
27) Carbon Disulfide	4.56	76	1635331	11.763	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1485302	11.097	ppbv	99
29) Chloroform	5.75	83	2340873	10.549	ppbv	100
30) Cyclohexane	7.13	84	1415007	10.887	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1590499	11.529	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	2248149	10.882	ppbv	100
34) 2-Butanone	5.25	43	1588723	10.242	ppbv	100
35) Carbon Tetrachloride	7.02	117	2310860	10.702	ppbv	99
36) Benzene	6.89	78	3517852	11.052	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1677581	10.716	ppbv	99
38) Trichloroethene	7.84	130	1369383	10.299	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1334592	10.947	ppbv	100
40) 1,4-Dioxane	7.84	88	317720	10.714	ppbv	77
41) Tetrahydrofuran	6.05	42	850876	11.668	ppbv	98
42) Bromodichloromethane	7.79	83	2472366	11.019	ppbv	97
43) Methyl Methacrylate	8.01	69	1258848	11.888	ppbv	99

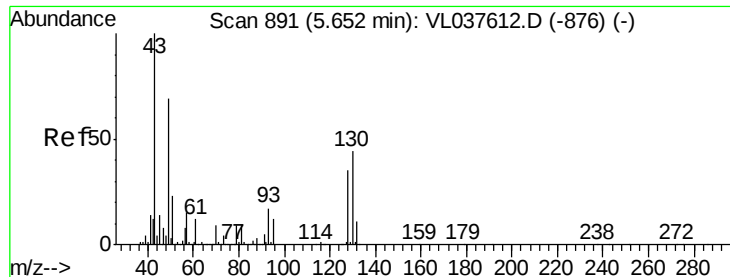
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092921\
 Data File : VL037731.D
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Quant Time: Sep 29 22:48:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5769086	10.781	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	978587	11.765	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1277570	11.371	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1382961	10.255	ppbv	98
48) Dibromochloromethane	10.30	129	2174630	11.558	ppbv	98
49) Bromoform	13.04	173	1740958	11.562	ppbv	96
50) 4-Methyl-2-Pentanone	8.74	43	2299171	11.677	ppbv	100
51) 2-Hexanone	10.14	43	1098854	12.649	ppbv #	98
52) Tetrachloroethene	11.22	164	1273591	10.422	ppbv	97
53) Toluene	9.81	91	4022836	11.370	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1922069	10.409	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1492618	8.299	ppbv	95
57) Chlorobenzene	12.15	112	2884123	8.001	ppbv	99
58) Ethyl Benzene	12.71	91	5006034	8.697	ppbv	99
59) m/p-Xylene	13.00	91	2951383	5.884	ppbv #	31
60) o-Xylene	13.69	91	4007902	8.395	ppbv	99
61) Styrene	13.53	104	2232009	9.481	ppbv	99
62) Isopropylbenzene	14.66	105	5485898	8.225	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2815794	7.536	ppbv	99
64) n-propylbenzene	15.56	120	1425067	8.280	ppbv	80
65) tert-Butylbenzene	16.74	119	4872430	8.103	ppbv	100
66) Benzyl Chloride	16.99	91	265935	8.093	ppbv	98
67) sec-Butylbenzene	17.29	105	6776229	8.306	ppbv	99
69) p-Isopropyltoluene	17.65	119	5687572	8.533	ppbv	99
70) n-Butylbenzene	18.55	91	5505452	8.730	ppbv	100
71) 2-Chlorotoluene	15.45	91	3966476	8.299	ppbv	97
72) 4-Ethyltoluene	15.83	105	4573924	8.346	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	4272725	8.364	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4427022	8.228	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	2730788	8.169	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2612989	7.925	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	2637830	8.320	ppbv	97
78) Hexachloro-1,3-Butadiene	23.37	225	1946963	7.296	ppbv	99
79) Naphthalene	22.19	128	3278840	9.925	ppbv	98
80) Naphthalene,2-methyl-	24.97	142	858296	11.366	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	1953580	9.210	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.02 min

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VL0929ABS01

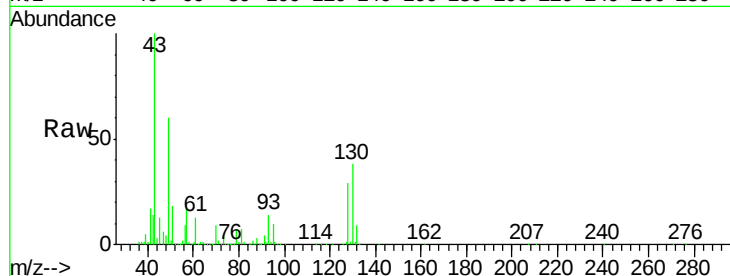
Tgt Ion: 49 Resp: 1271296

Ion Ratio Lower Upper

49 100

128 54.7 27.9 83.6

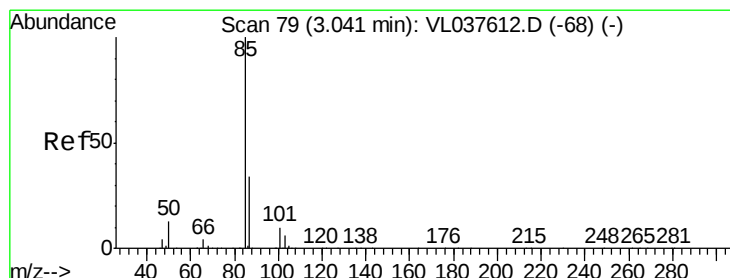
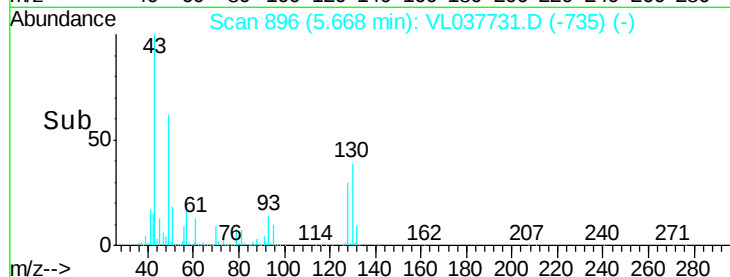
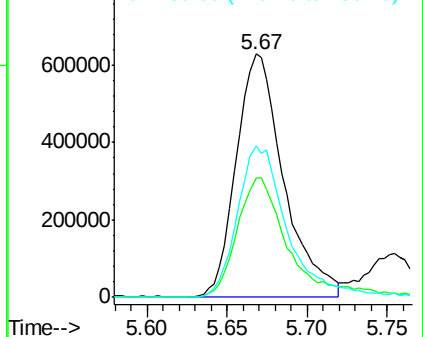
130 67.1 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.180 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL037731.D

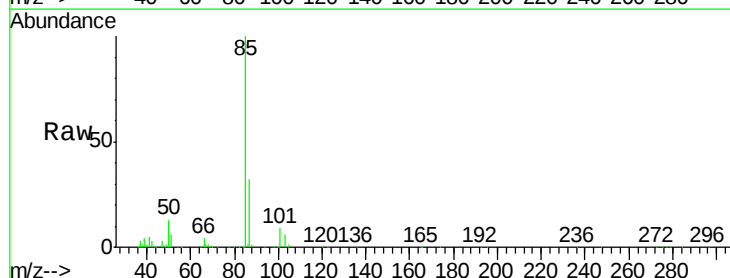
Acq: 29 Sep 2021 14:39

Tgt Ion: 85 Resp: 1651806

Ion Ratio Lower Upper

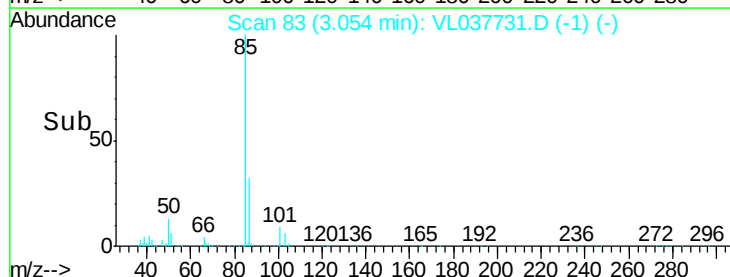
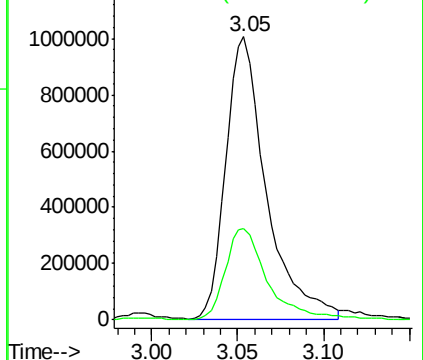
85 100

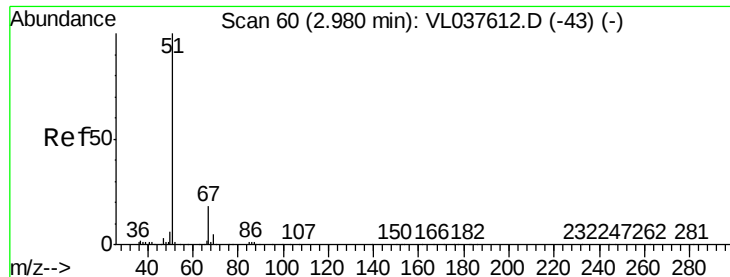
87 32.4 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

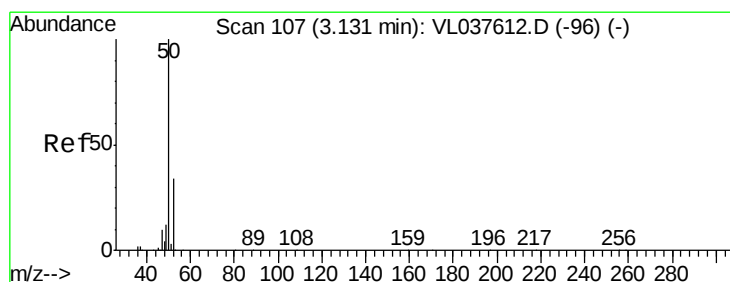
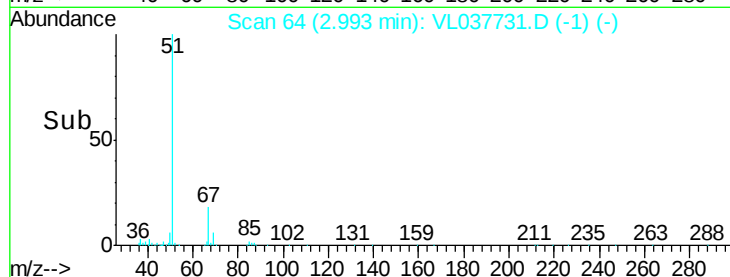
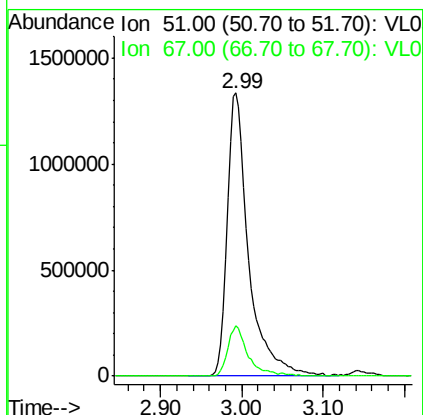
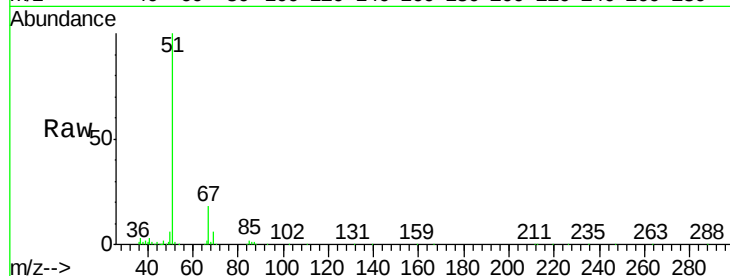




#3
 Chlorodifluoromethane
 Concen: 10.329 ppbv
 RT: 2.99 min Scan# 64
 Delta R.T. 0.01 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

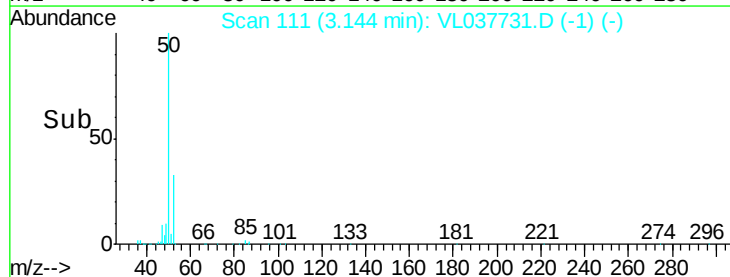
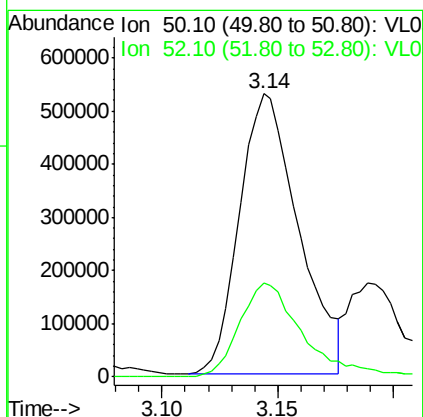
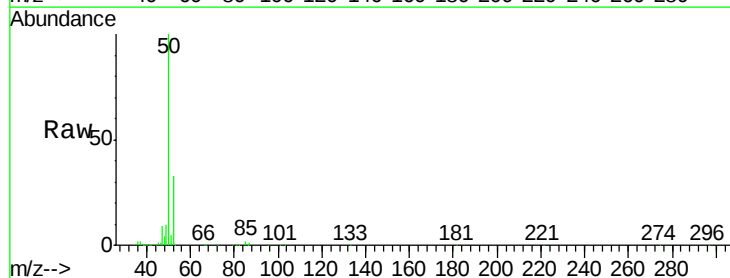
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

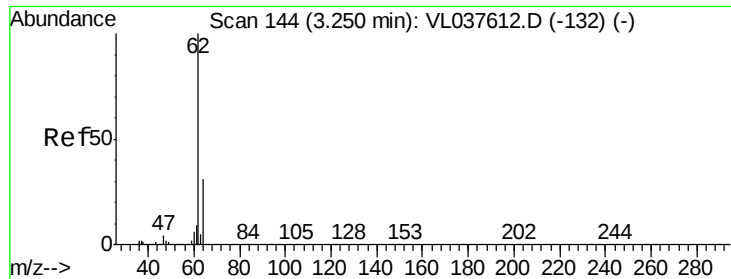
Tgt Ion: 51 Resp: 2476812
 Ion Ratio Lower Upper
 51 100
 67 17.2 14.0 21.0



#4
 Chloromethane
 Concen: 10.598 ppbv
 RT: 3.14 min Scan# 111
 Delta R.T. 0.01 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

Tgt Ion: 50 Resp: 938913
 Ion Ratio Lower Upper
 50 100
 52 33.4 27.1 40.7





#5

Vinyl Chloride

Concen: 11.386 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

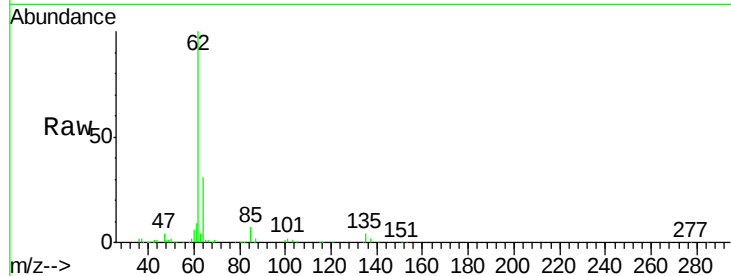
VL0929ABS01

Tgt Ion: 62 Resp: 947455

Ion Ratio Lower Upper

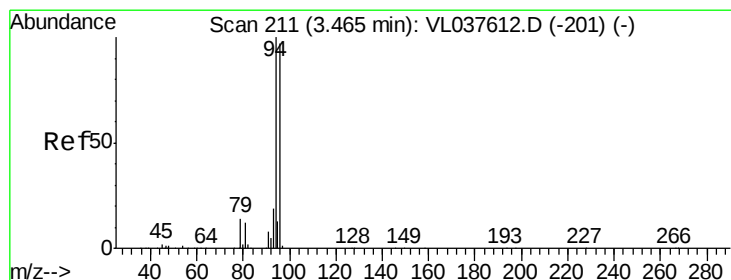
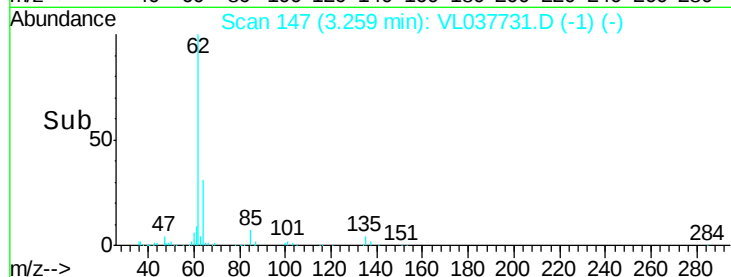
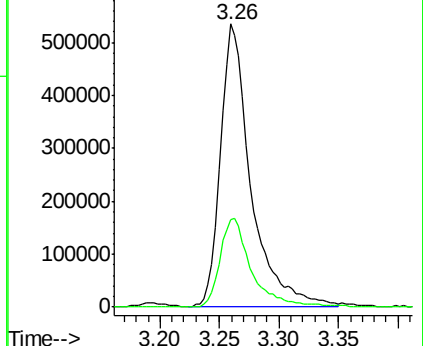
62 100

64 31.0 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.753 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL037731.D

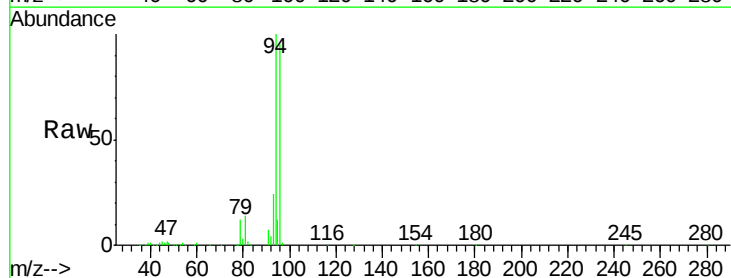
Acq: 29 Sep 2021 14:39

Tgt Ion: 94 Resp: 471729

Ion Ratio Lower Upper

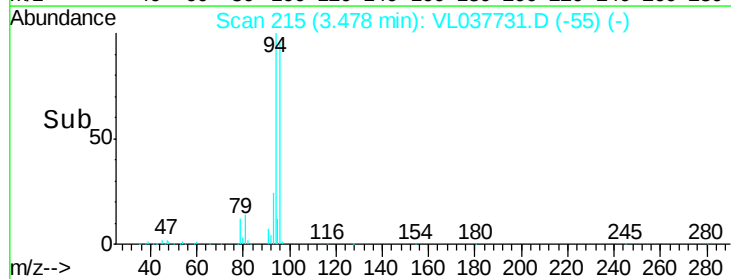
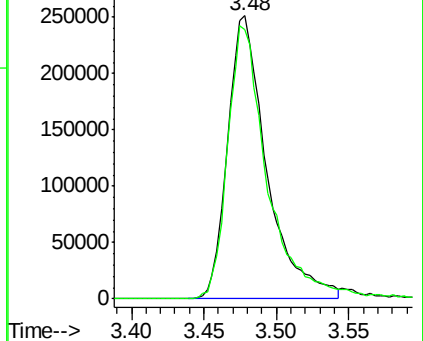
94 100

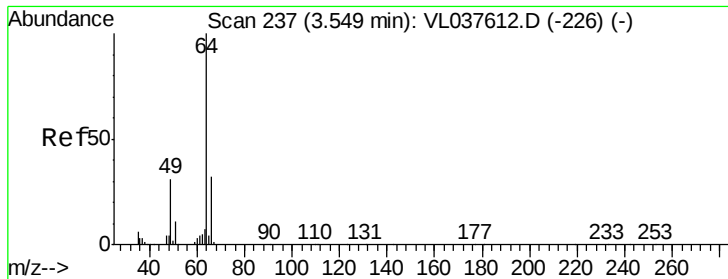
96 94.9 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.630 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.01 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

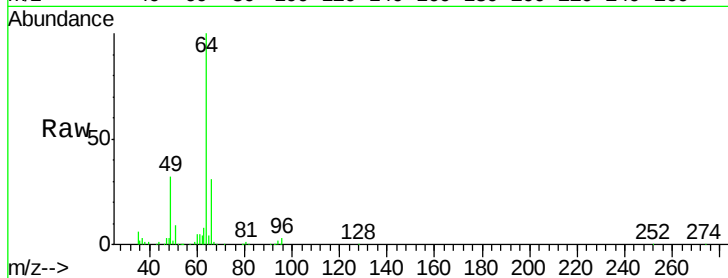
VL0929ABS01

Tgt Ion: 64 Resp: 330597

Ion Ratio Lower Upper

64 100

66 30.7 25.3 37.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

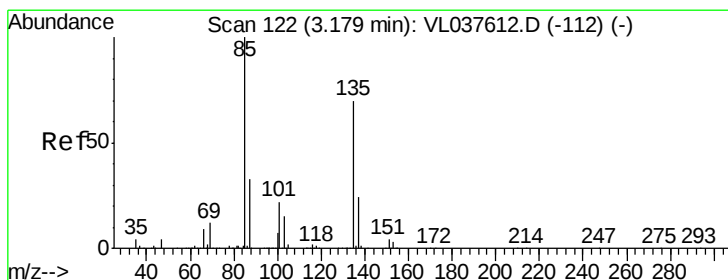
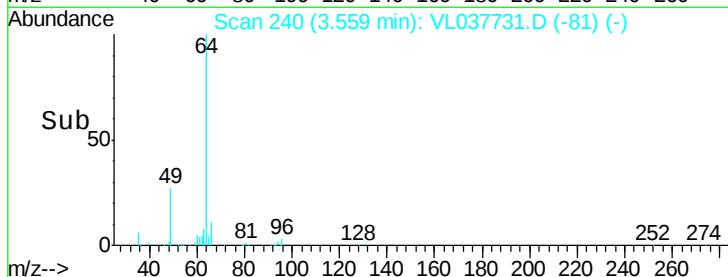
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.371 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL037731.D

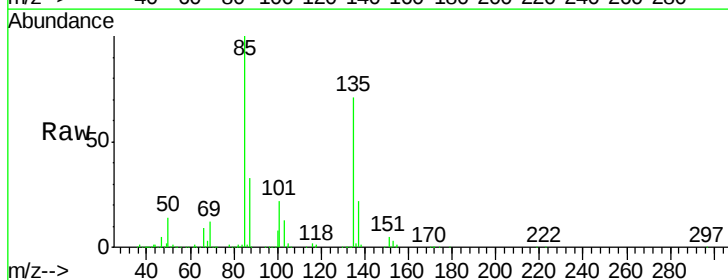
Acq: 29 Sep 2021 14:39

Tgt Ion: 85 Resp: 2058208

Ion Ratio Lower Upper

85 100

135 74.7 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

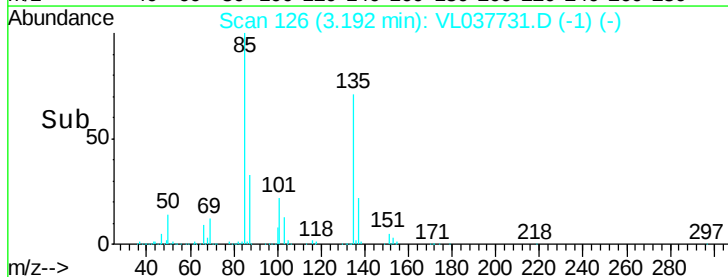
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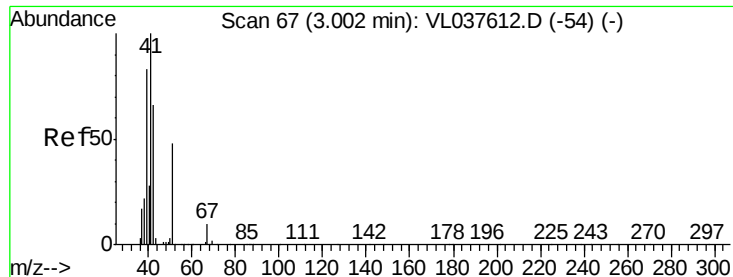
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500000

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Time-->





#9

Propene

Concen: 11.071 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

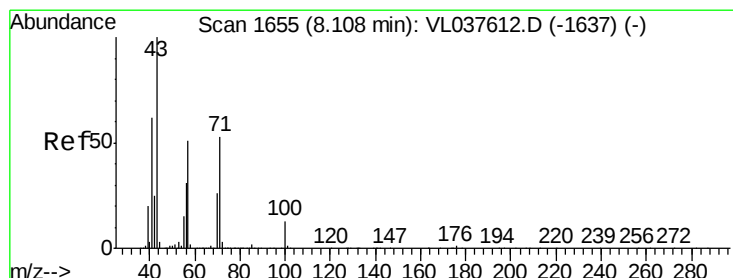
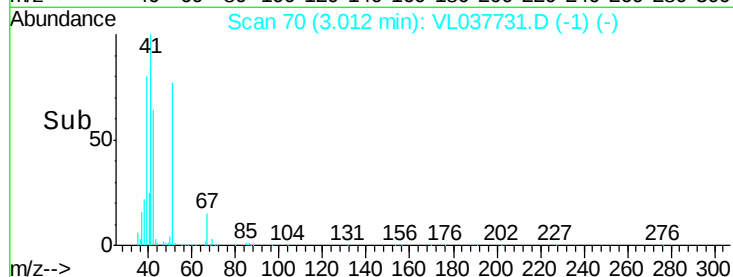
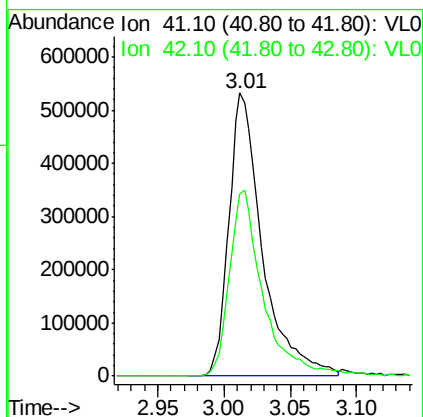
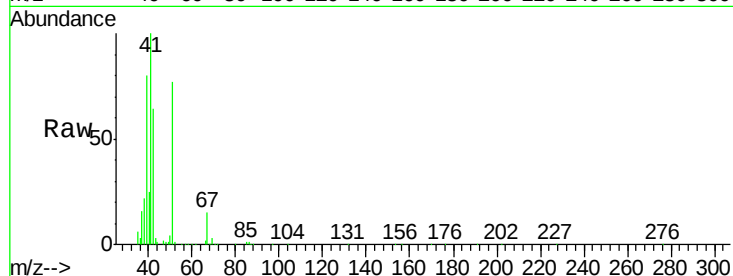
VL0929ABS01

Tgt Ion: 41 Resp: 936442

Ion Ratio Lower Upper

41 100

42 66.7 57.2 85.8



#10

Heptane

Concen: 11.587 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.02 min

Lab File: VL037731.D

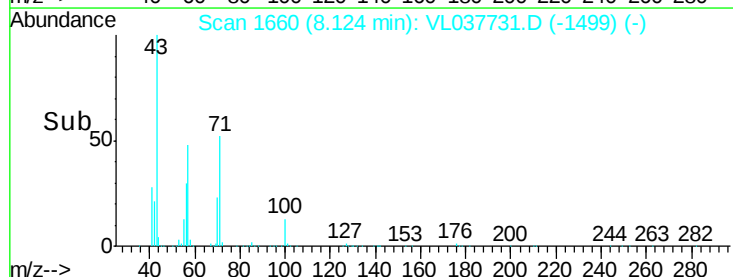
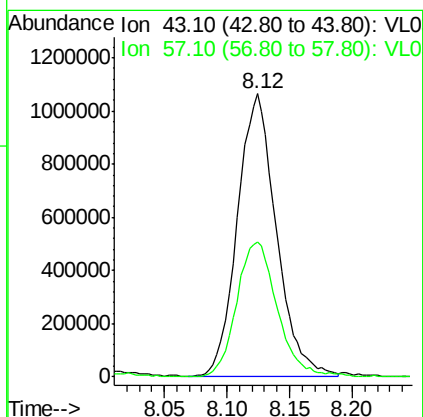
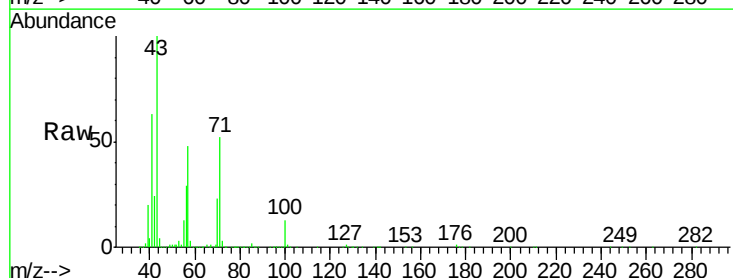
Acq: 29 Sep 2021 14:39

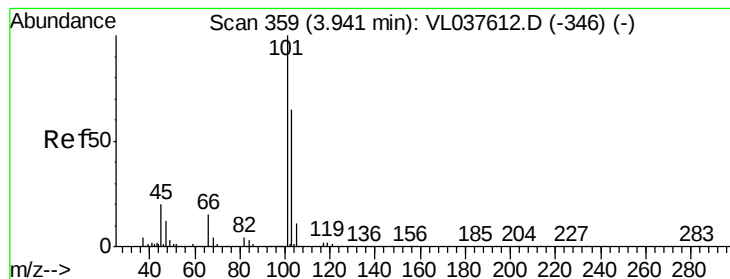
Tgt Ion: 43 Resp: 2286883

Ion Ratio Lower Upper

43 100

57 50.4 40.1 60.1





#11

Trichlorofluoromethane

Concen: 10.524 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

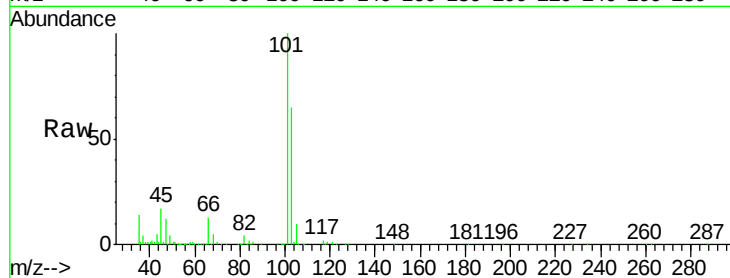
VL0929ABS01

Tgt Ion:101 Resp: 1943619

Ion Ratio Lower Upper

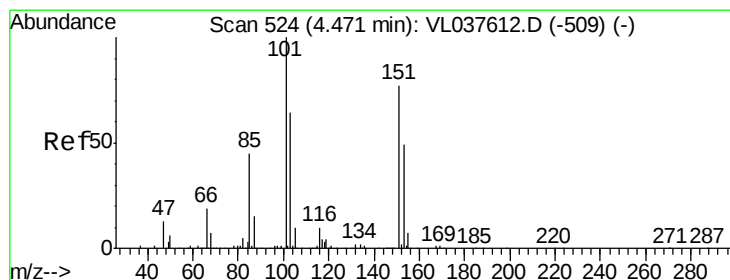
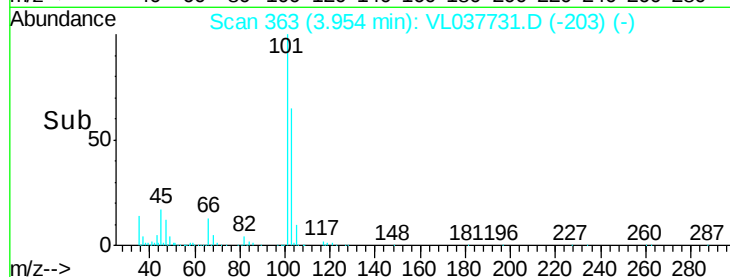
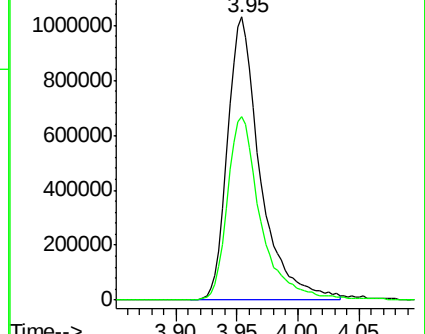
101 100

103 65.0 51.9 77.9



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: 10.463 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.02 min

Lab File: VL037731.D

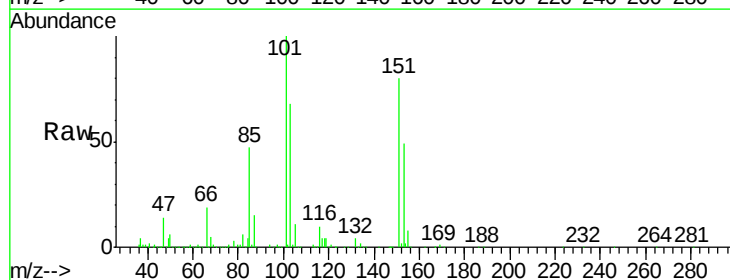
Acq: 29 Sep 2021 14:39

Tgt Ion:101 Resp: 1426418

Ion Ratio Lower Upper

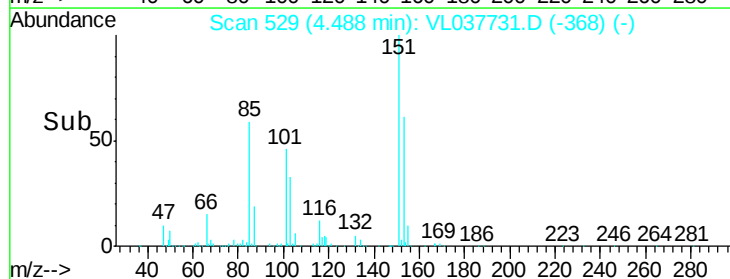
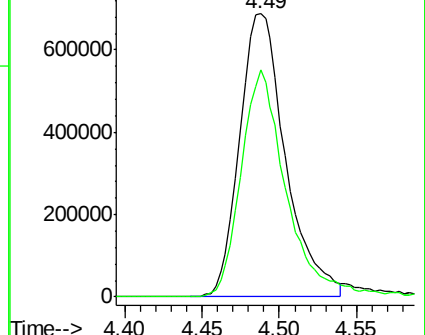
101 100

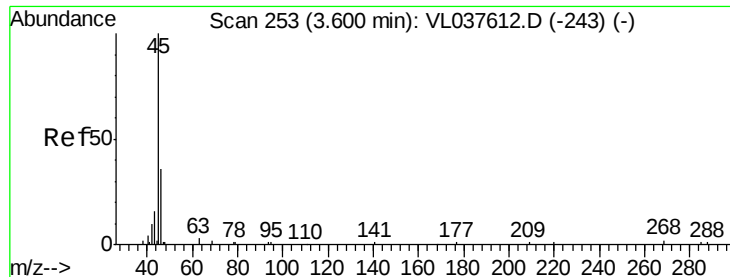
151 79.3 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

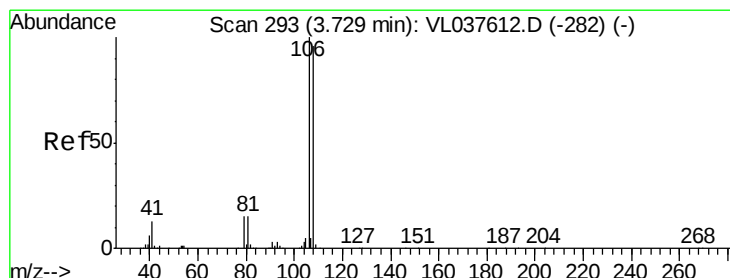
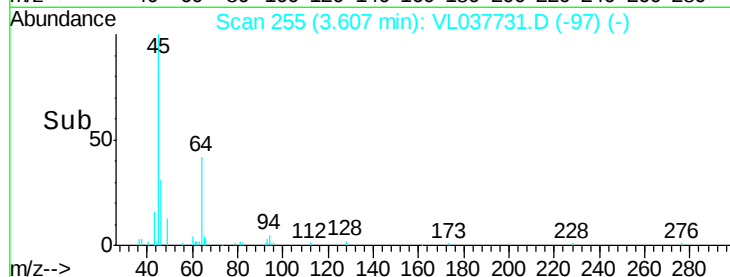
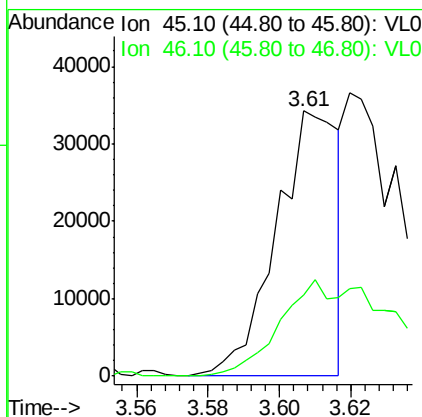
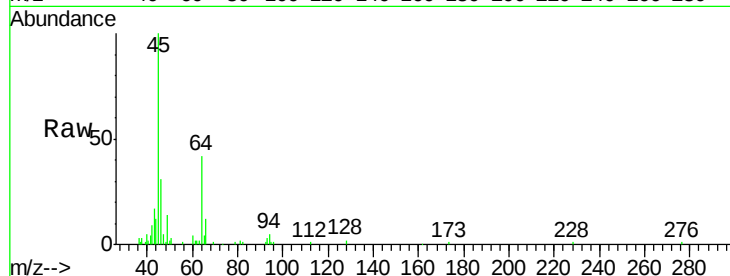




#13
Ethanol
Concen: 4.984 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

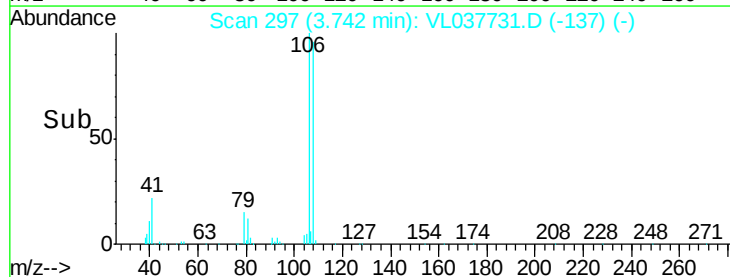
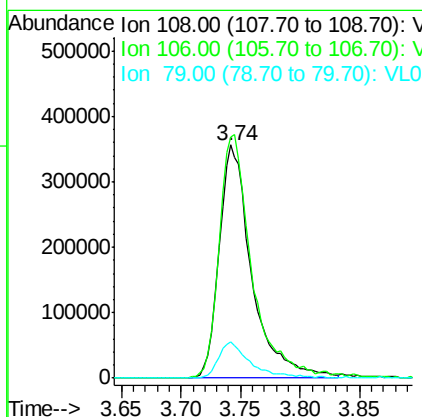
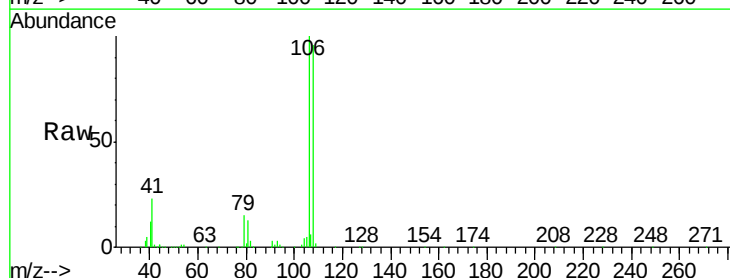
Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

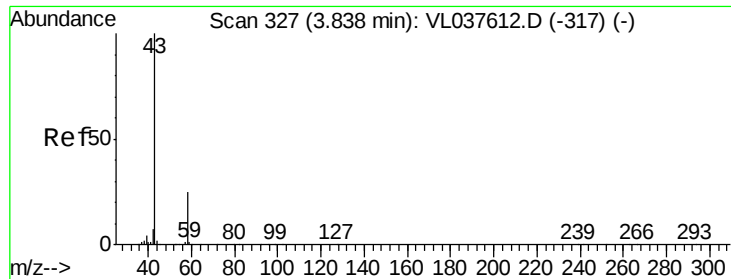
Tgt Ion: 45 Resp: 41237
Ion Ratio Lower Upper
45 100
46 89.9 17.2 68.8#



#14
Bromoethene
Concen: 10.889 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.01 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

Tgt Ion: 108 Resp: 675704
Ion Ratio Lower Upper
108 100
106 106.7 88.2 132.4
79 15.5 12.8 19.2





#15

Acetone

Concen: 8.422 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

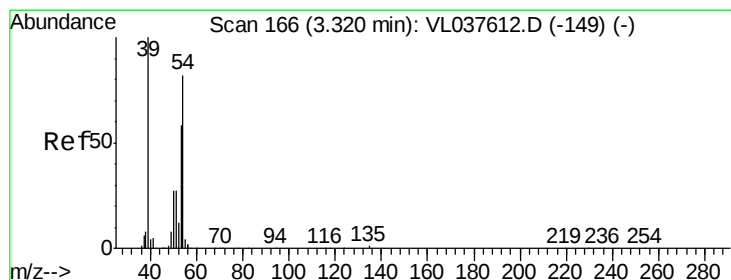
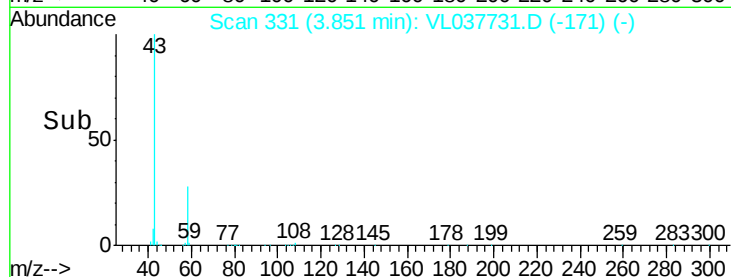
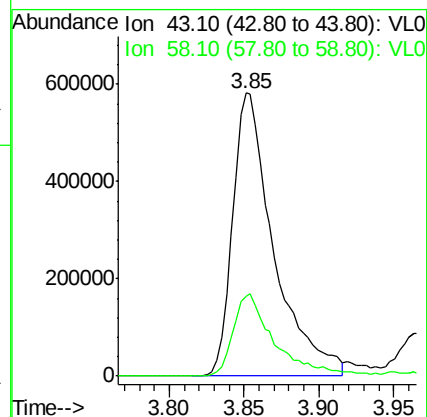
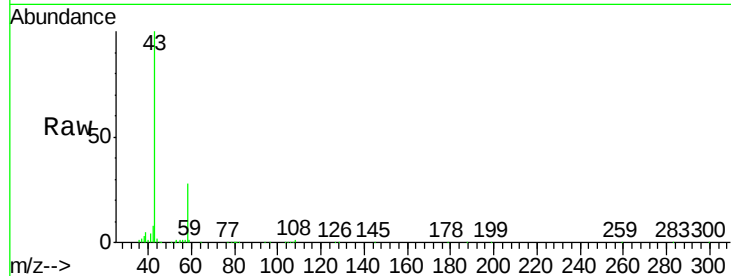
VL0929ABS01

Tgt Ion: 43 Resp: 1112379

Ion Ratio Lower Upper

43 100

58 28.8 24.9 37.3



#16

1,3-Butadiene

Concen: 10.916 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL037731.D

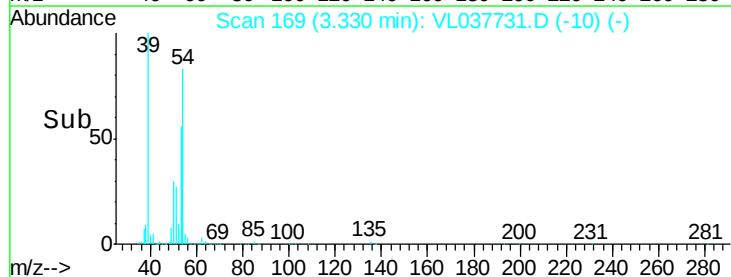
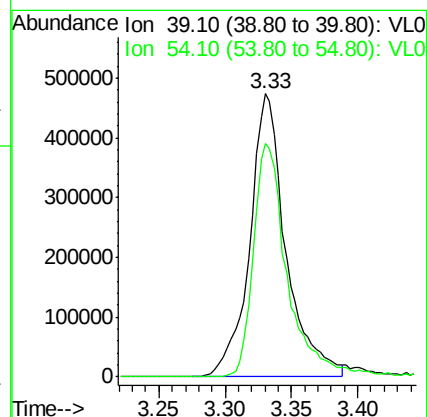
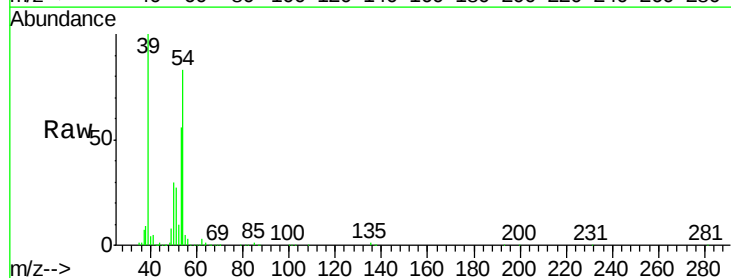
Acq: 29 Sep 2021 14:39

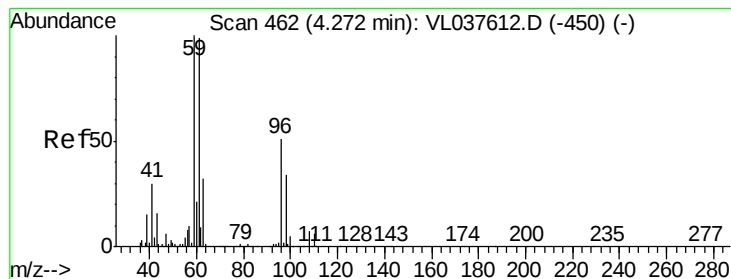
Tgt Ion: 39 Resp: 901001

Ion Ratio Lower Upper

39 100

54 78.2 62.6 93.8



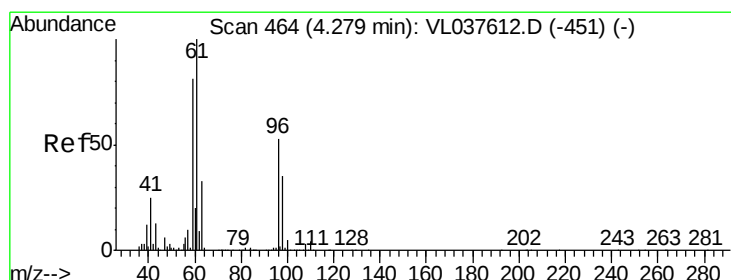
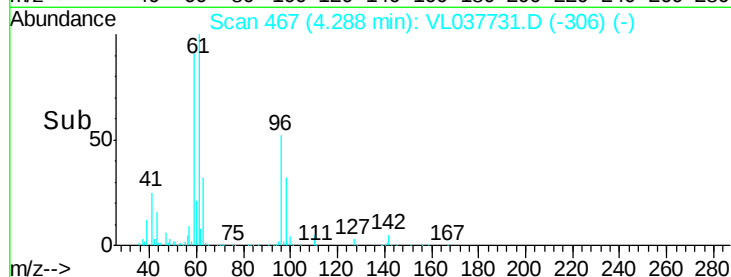
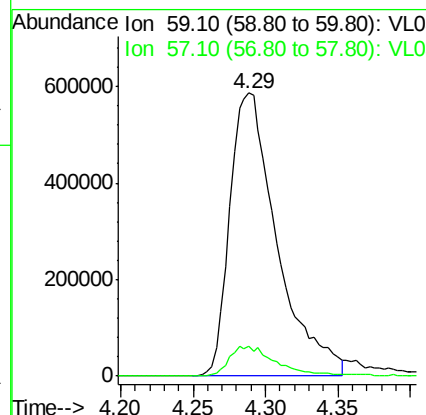
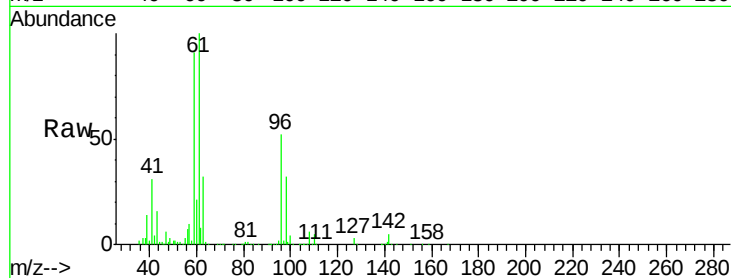


#17

tert-Butyl alcohol
 Concen: 11.866 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. 0.02 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

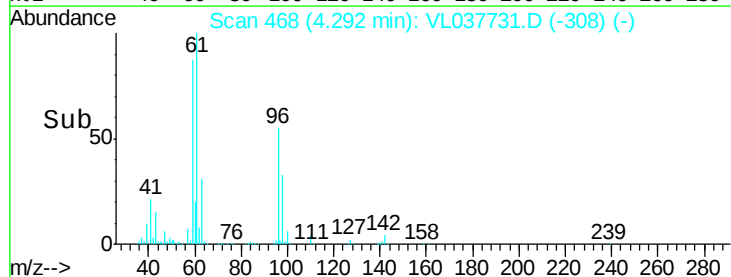
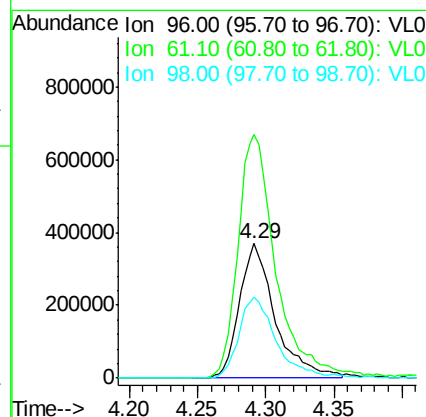
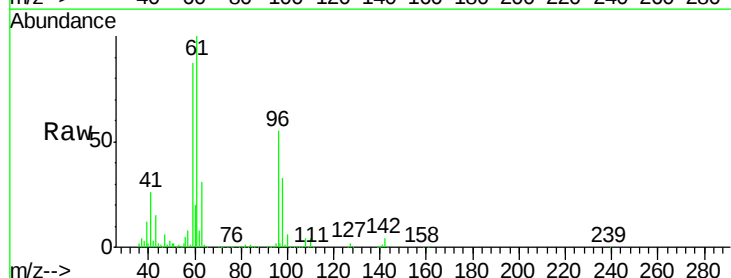
Tgt Ion: 59 Resp: 1329026
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.4 12.6

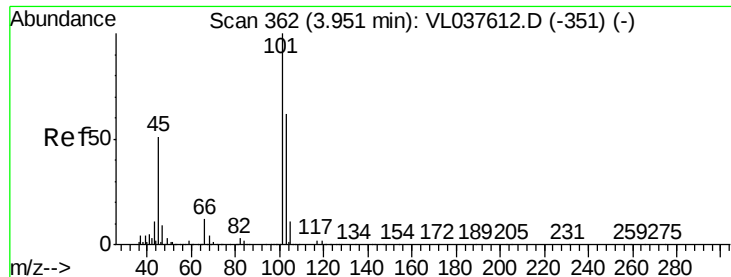


#18

1,1-Dichloroethene
 Concen: 10.617 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. 0.01 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

Tgt Ion: 96 Resp: 674261
 Ion Ratio Lower Upper
 96 100
 61 181.0 150.4 225.6
 98 59.8 52.1 78.1





#19

Isopropyl Alcohol

Concen: 10.640 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

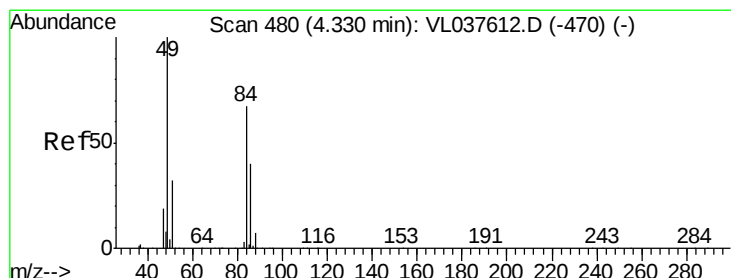
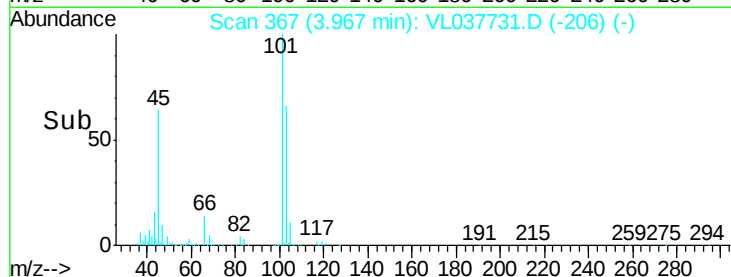
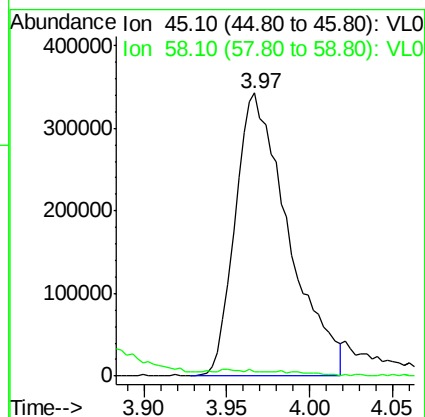
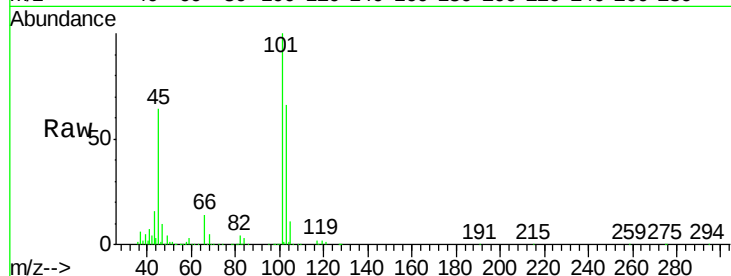
VL0929ABS01

Tgt Ion: 45 Resp: 764656

Ion Ratio Lower Upper

45 100

58 2.8 2.9 4.3#



#20

Methylene Chloride

Concen: 8.970 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Tgt Ion: 84 Resp: 565673

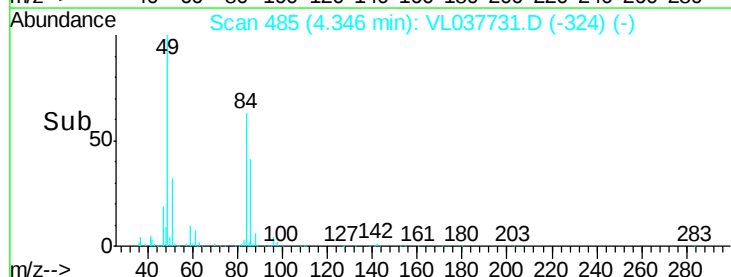
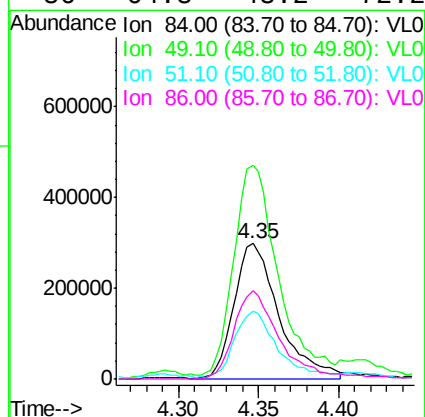
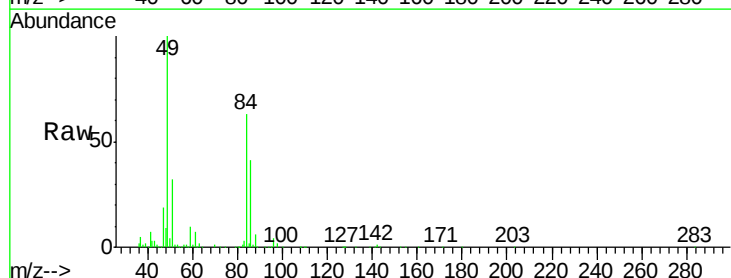
Ion Ratio Lower Upper

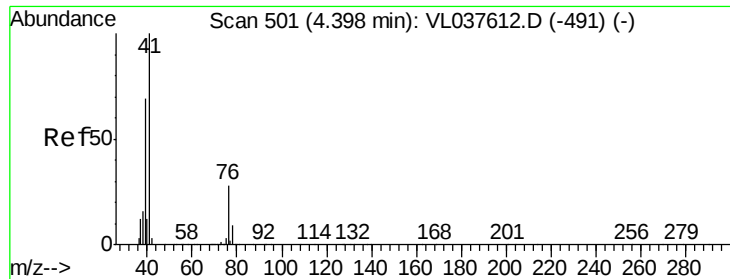
84 100

49 154.9 120.0 180.0

51 47.9 38.0 57.0

86 64.8 48.2 72.2

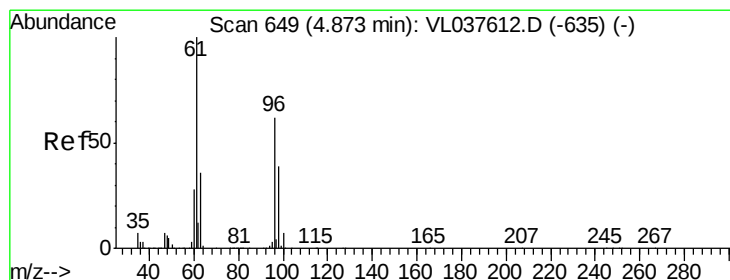
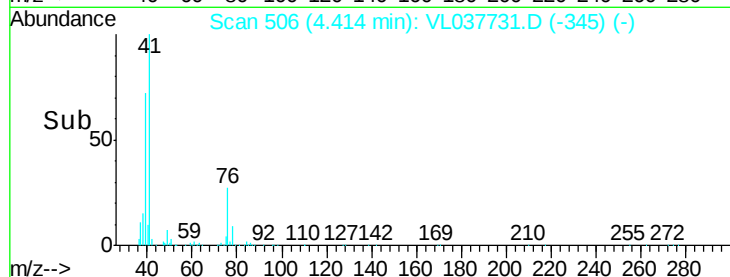
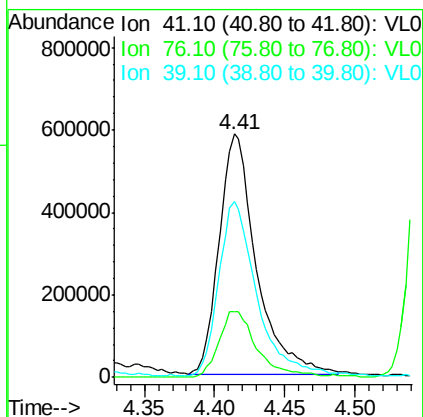
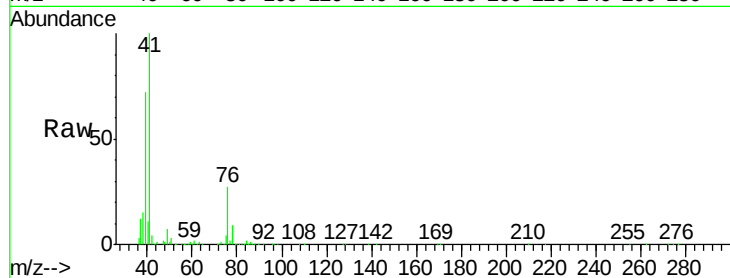




#21
 Allyl Chloride
 Concen: 10.849 ppbv
 RT: 4.41 min Scan# 506
 Delta R.T. 0.02 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

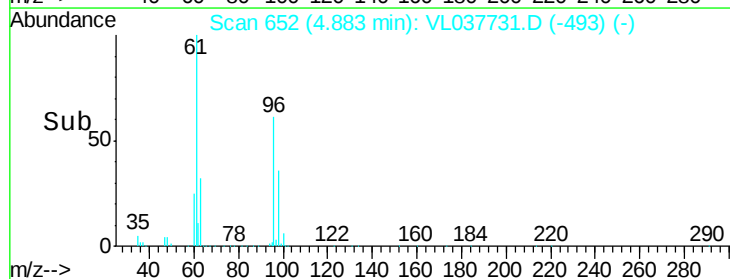
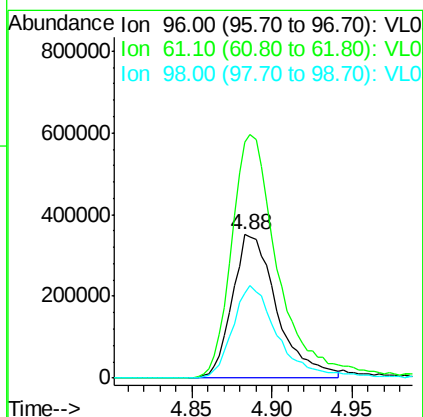
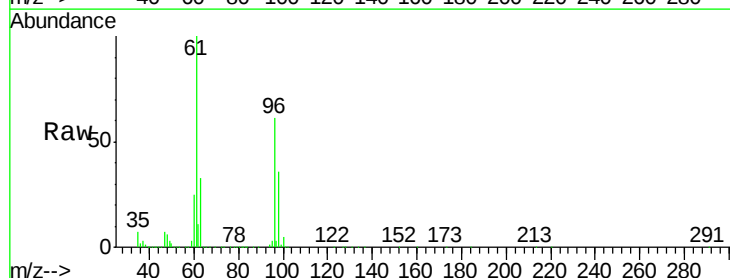
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

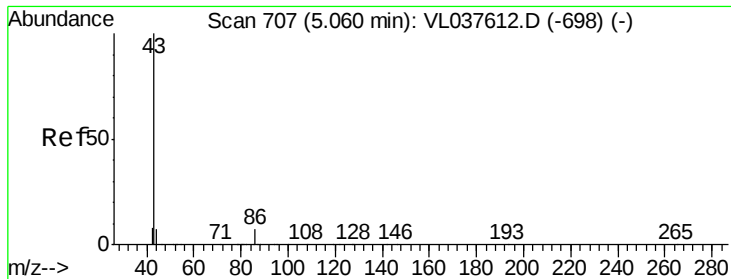
Tgt Ion: 41 Resp: 1070556
 Ion Ratio Lower Upper
 41 100
 76 28.8 23.1 34.7
 39 75.2 61.0 91.6



#22
 trans-1,2-Dichloroethene
 Concen: 10.493 ppbv
 RT: 4.88 min Scan# 652
 Delta R.T. 0.01 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

Tgt Ion: 96 Resp: 670438
 Ion Ratio Lower Upper
 96 100
 61 164.0 129.2 193.8
 98 59.5 50.4 75.6





#23

Vinyl Acetate

Concen: 10.895 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tgt Ion: 43 Resp: 1991313

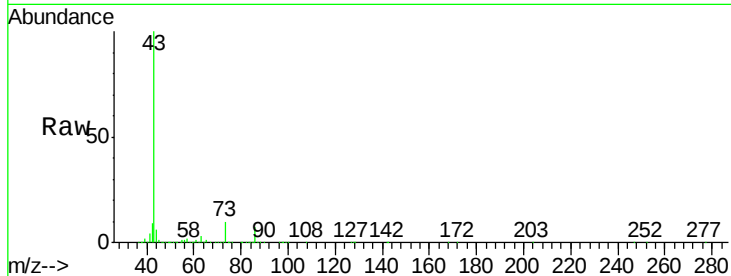
Ion Ratio Lower Upper

43 100

86 7.0 5.0 7.6

42 9.5 7.5 11.3

44 5.4 4.7 7.1

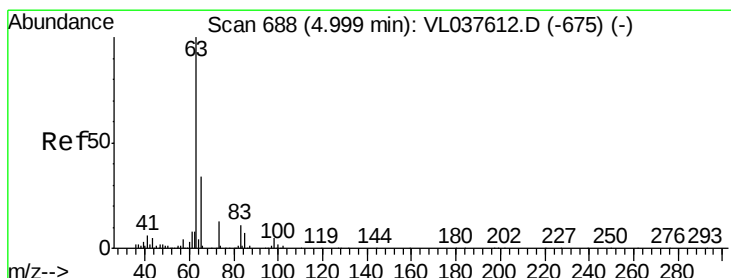
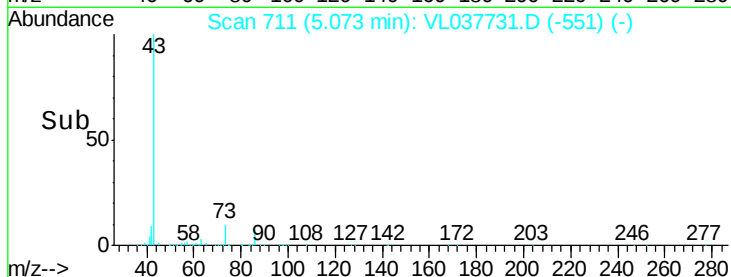
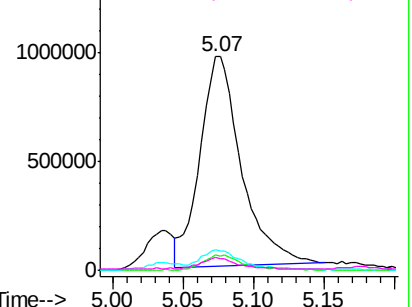


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.216 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.01 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

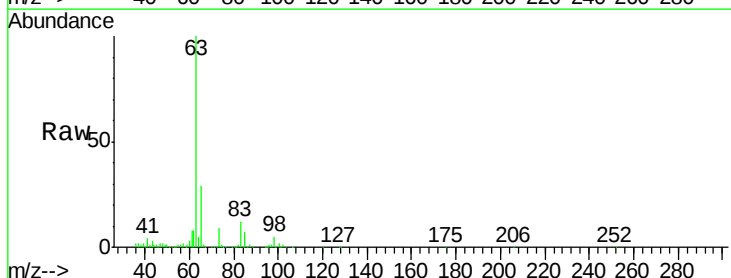
Tgt Ion: 63 Resp: 1337642

Ion Ratio Lower Upper

63 100

98 4.8 2.4 7.2

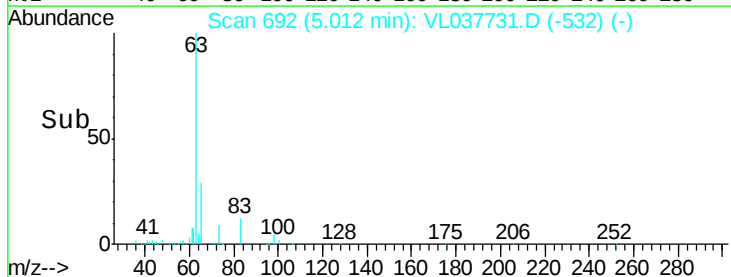
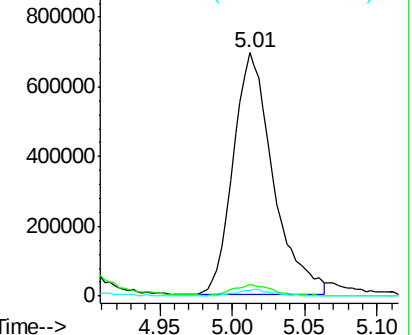
100 2.2 1.1 3.5

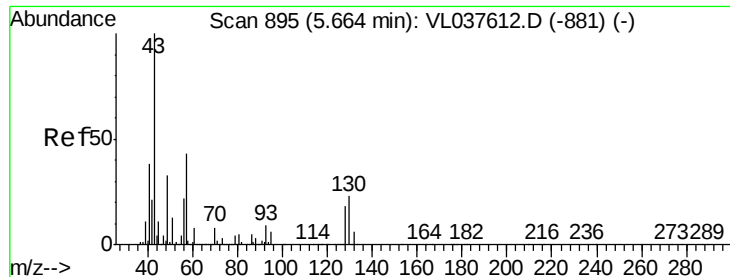


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



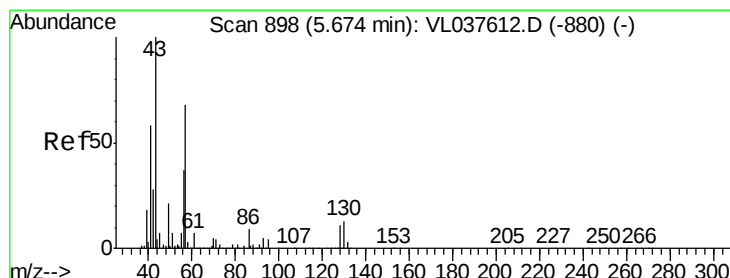
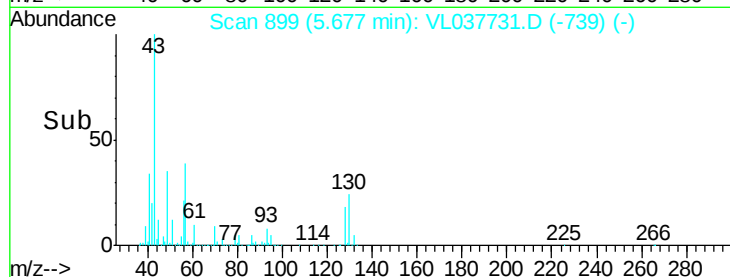
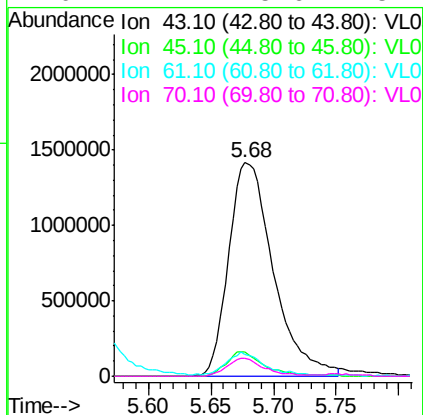
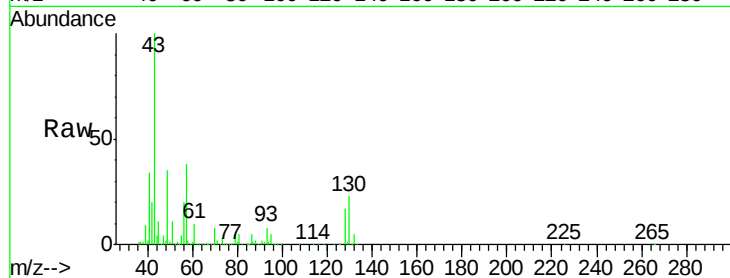


#25
Ethyl Acetate
Concen: 10.925 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

Tgt Ion: 43 Resp: 3494982

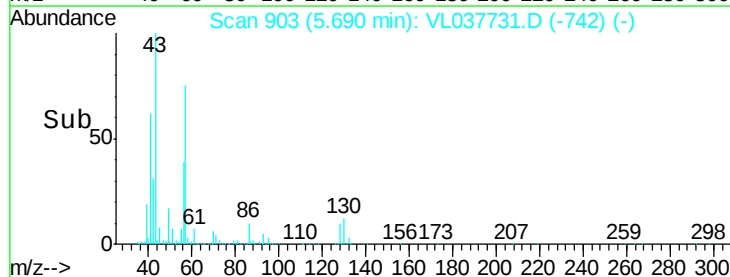
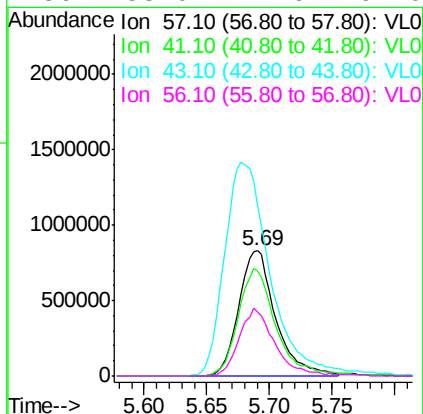
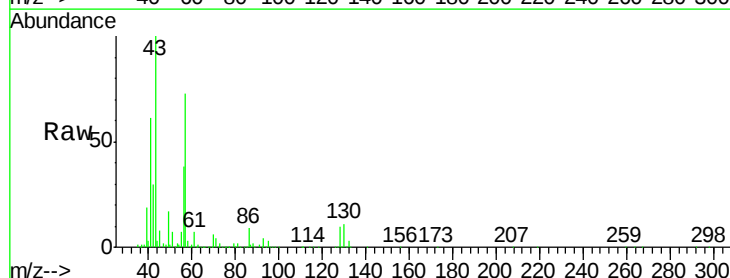
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.0	12.0
61	10.1	7.5	11.3
70	7.2	5.6	8.4

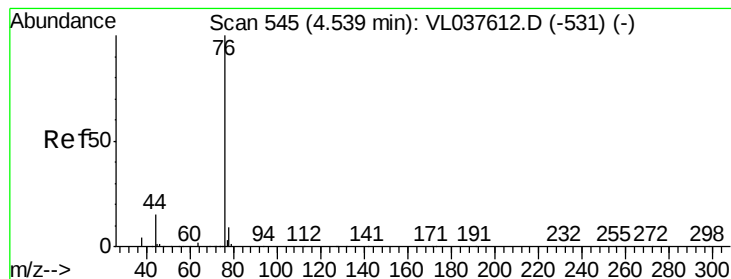


#26
Hexane
Concen: 11.195 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

Tgt Ion: 57 Resp: 1701266

Ion	Ratio	Lower	Upper
57	100		
41	88.7	70.9	106.3
43	211.2	170.4	255.6
56	53.0	42.6	64.0





#27

Carbon Disulfide

Concen: 11.763 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

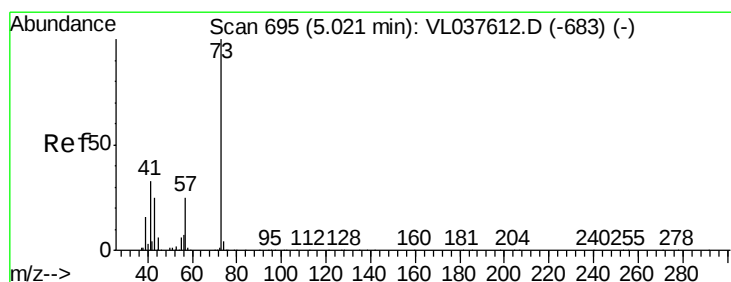
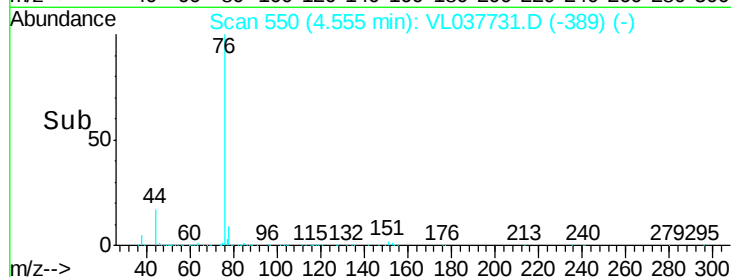
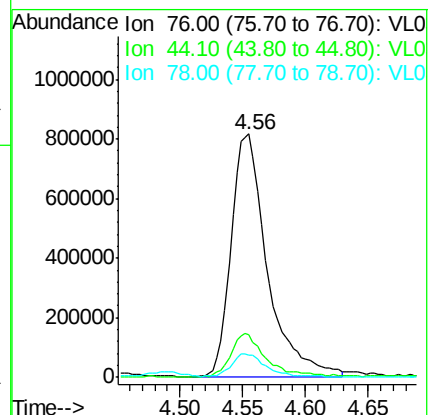
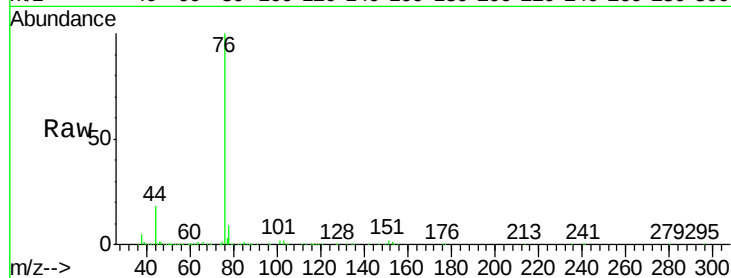
Tgt Ion: 76 Resp: 1635331

Ion Ratio Lower Upper

76 100

44 18.0 14.2 21.2

78 9.6 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 11.097 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.01 min

Lab File: VL037731.D

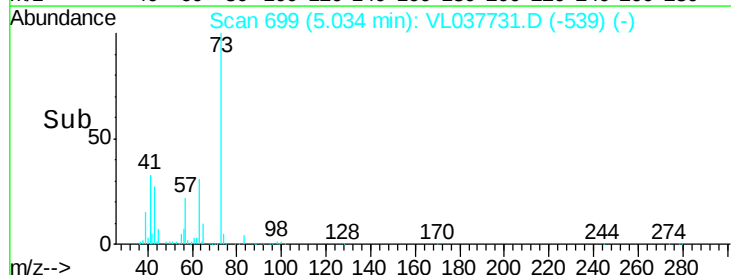
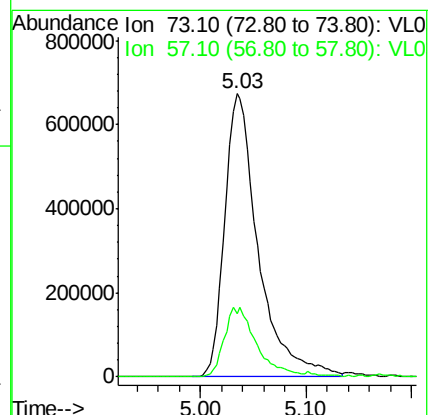
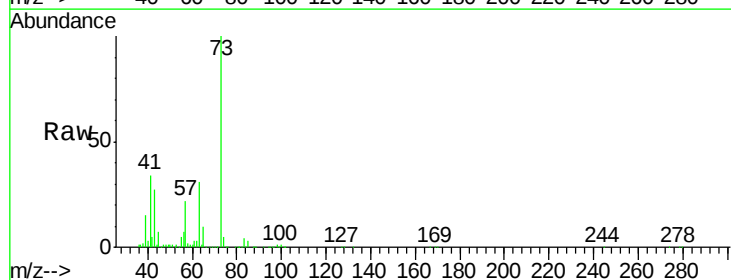
Acq: 29 Sep 2021 14:39

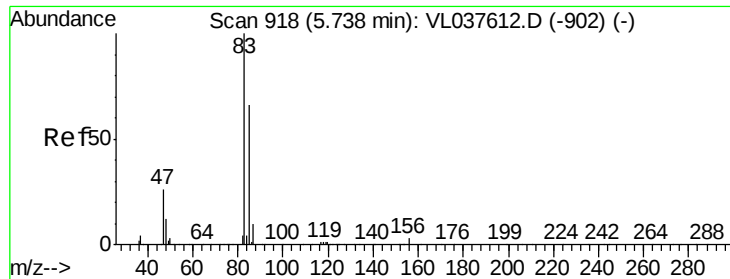
Tgt Ion: 73 Resp: 1485302

Ion Ratio Lower Upper

73 100

57 24.6 20.1 30.1

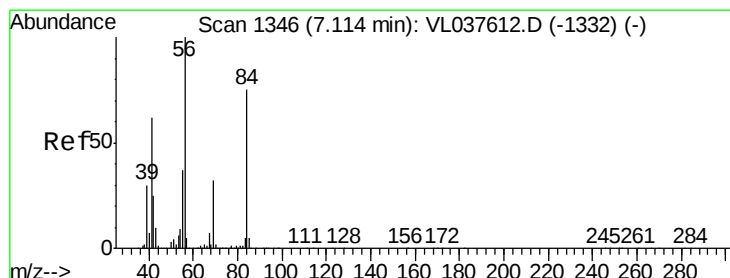
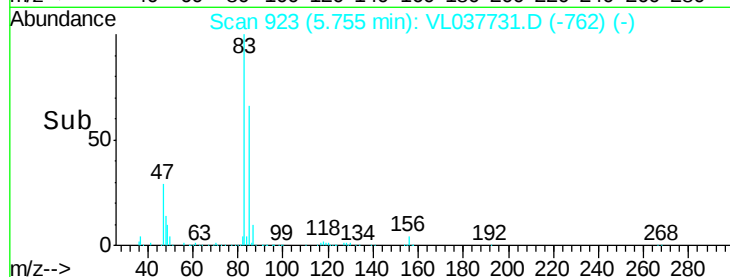
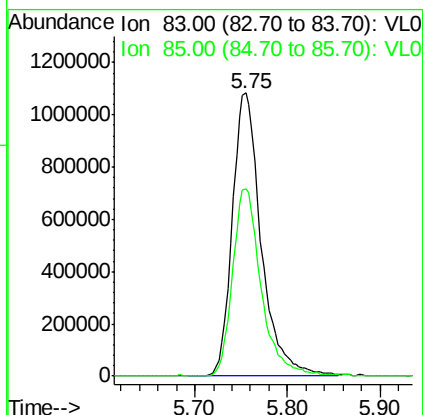
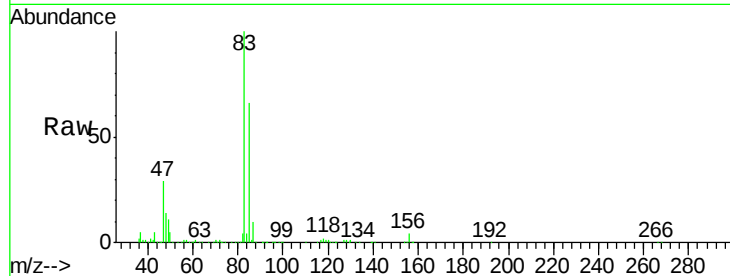




#29
Chloroform
Concen: 10.549 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.02 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

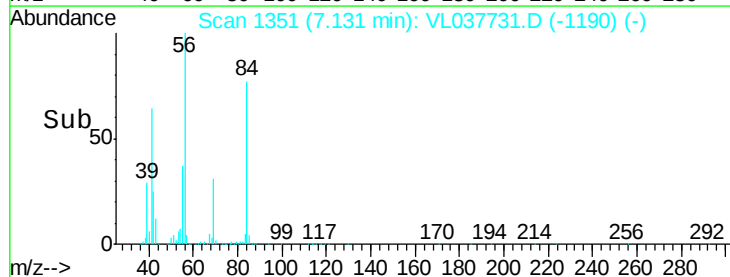
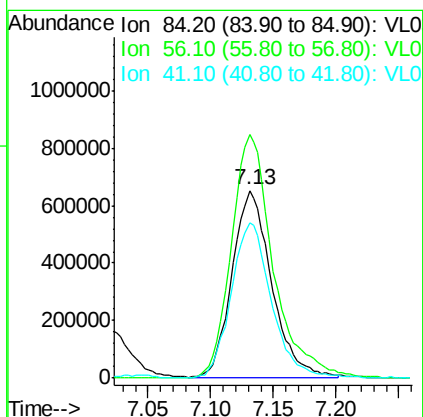
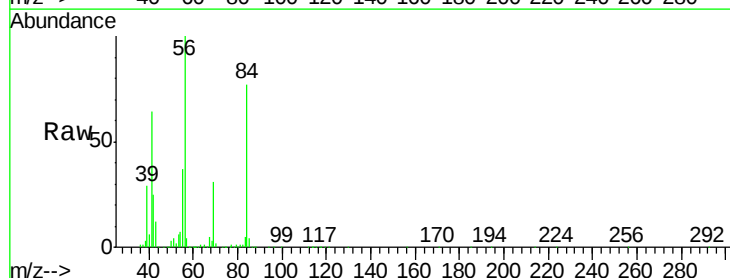
Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

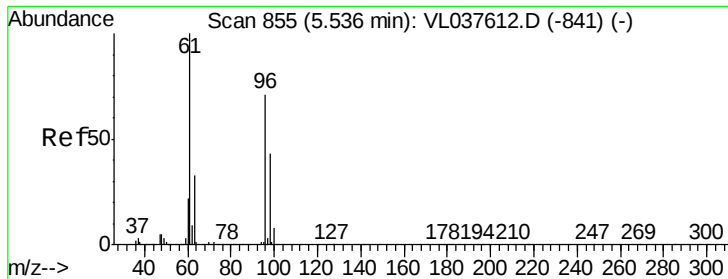
Tgt Ion: 83 Resp: 2340873
Ion Ratio Lower Upper
83 100
85 65.9 52.6 79.0



#30
Cyclohexane
Concen: 10.887 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.02 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

Tgt Ion: 84 Resp: 1415007
Ion Ratio Lower Upper
84 100
56 140.2 113.6 170.4
41 84.9 67.9 101.9



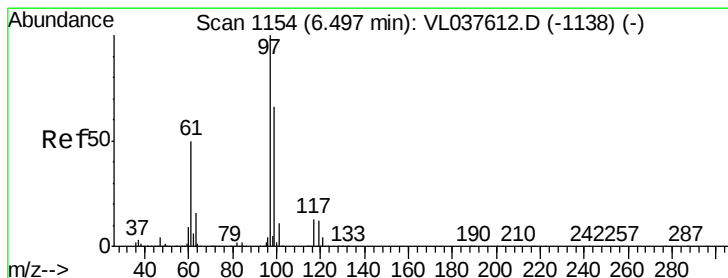
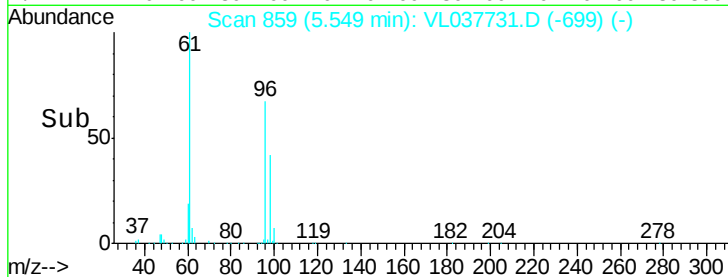
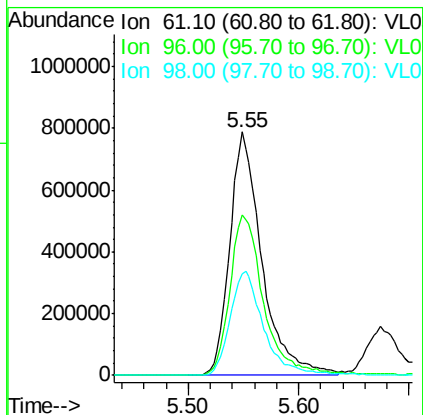
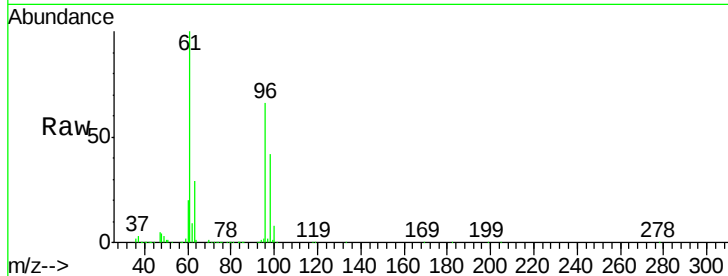


#31

cis-1,2-Dichloroethene
Concen: 11.529 ppbv
RT: 5.55 min Scan# 859
Delta R.T. 0.01 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

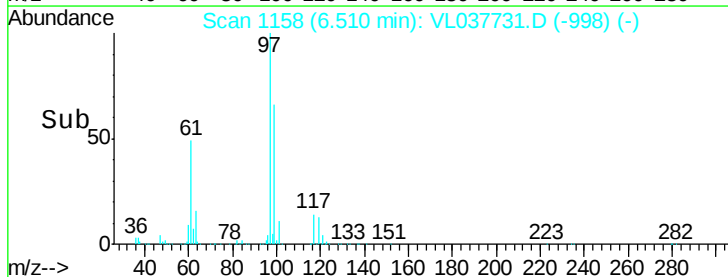
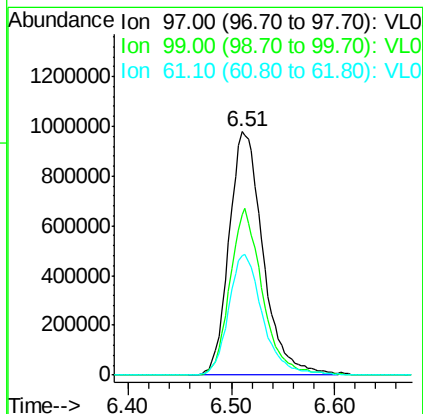
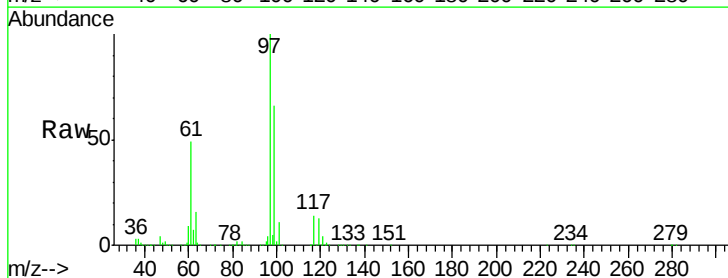
Tgt Ion: 61 Resp: 1590499
Ion Ratio Lower Upper
61 100
96 65.9 56.7 85.1
98 41.7 34.6 52.0

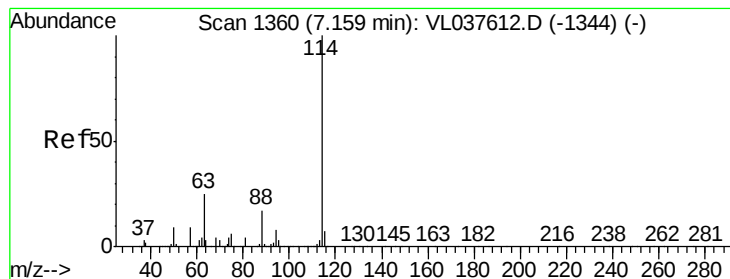


#32

1,1,1-Trichloroethane
Concen: 10.882 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. 0.01 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

Tgt Ion: 97 Resp: 2248149
Ion Ratio Lower Upper
97 100
99 65.6 52.3 78.5
61 49.5 39.5 59.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

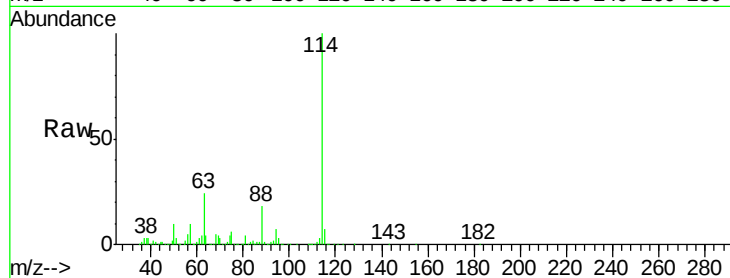
Tgt Ion:114 Resp: 3817196

Ion Ratio Lower Upper

114 100

63 23.8 19.6 29.4

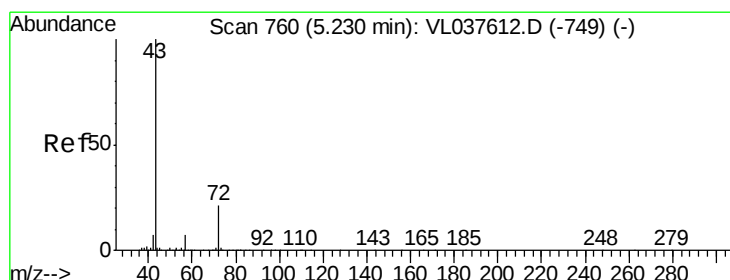
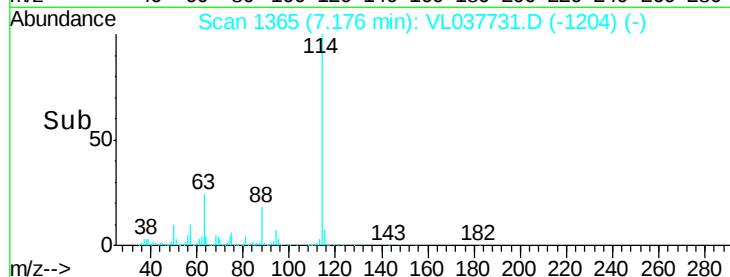
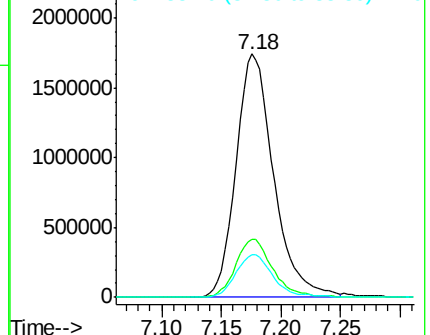
88 17.6 14.2 21.4



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.242 ppbv

RT: 5.25 min Scan# 765

Delta R.T. 0.02 min

Lab File: VL037731.D

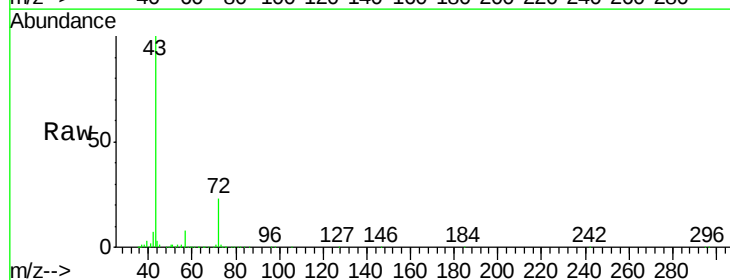
Acq: 29 Sep 2021 14:39

Tgt Ion: 43 Resp: 1588723

Ion Ratio Lower Upper

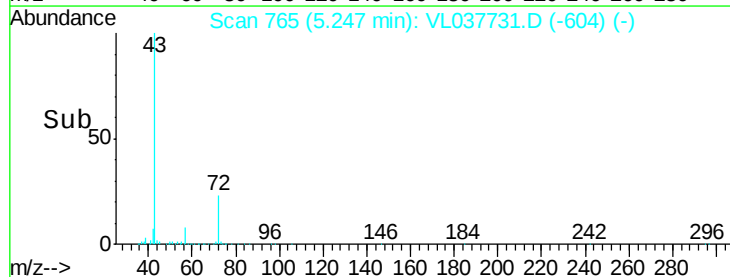
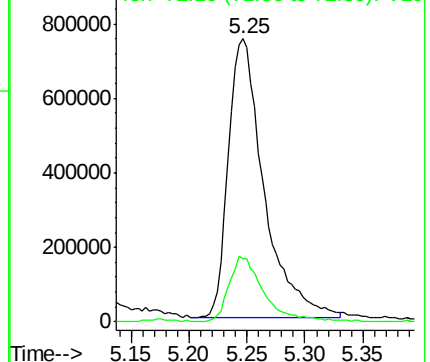
43 100

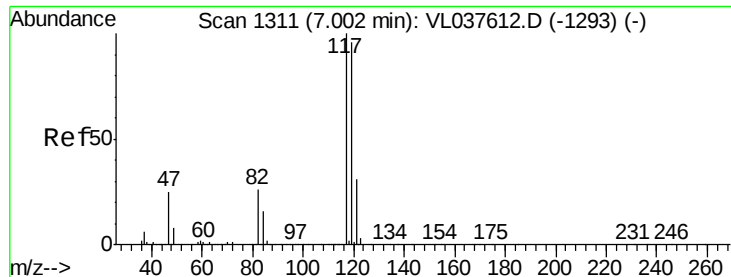
72 23.1 18.4 27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

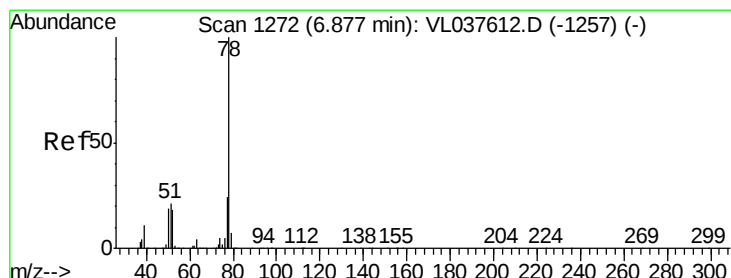
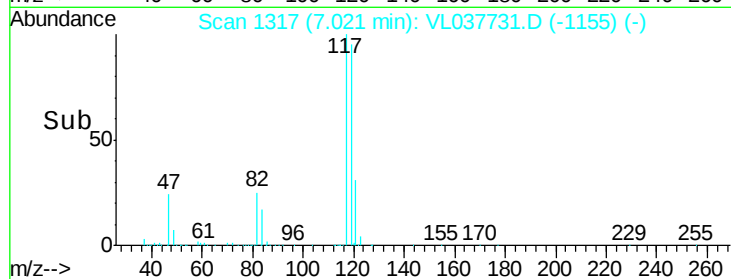
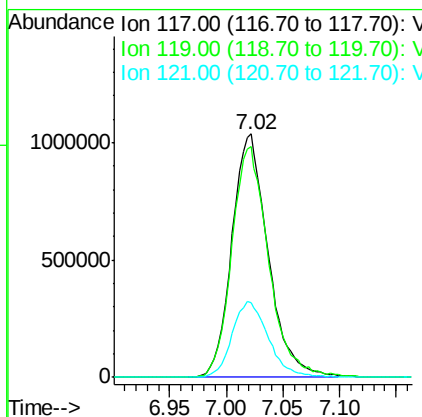
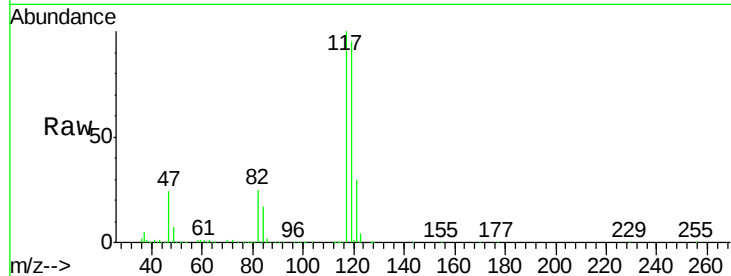




#35
Carbon Tetrachloride
Concen: 10.702 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.02 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

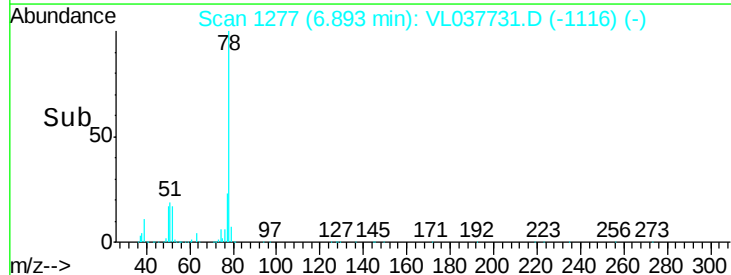
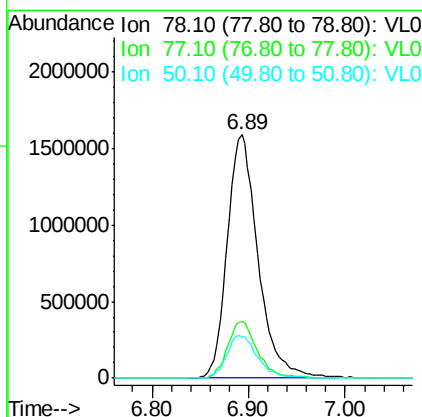
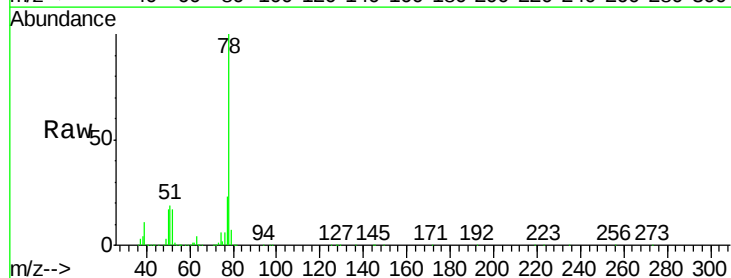
Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

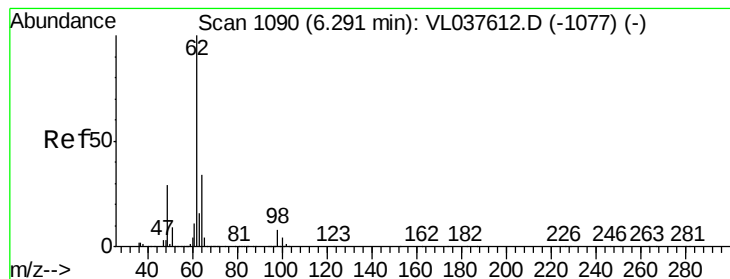
Tgt Ion: 117 Resp: 2310860
Ion Ratio Lower Upper
117 100
119 94.7 77.0 115.6
121 30.5 24.5 36.7



#36
Benzene
Concen: 11.052 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.02 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

Tgt Ion: 78 Resp: 3517852
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4
50 16.8 14.8 22.2





#37

1,2-Dichloroethane

Concen: 10.716 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

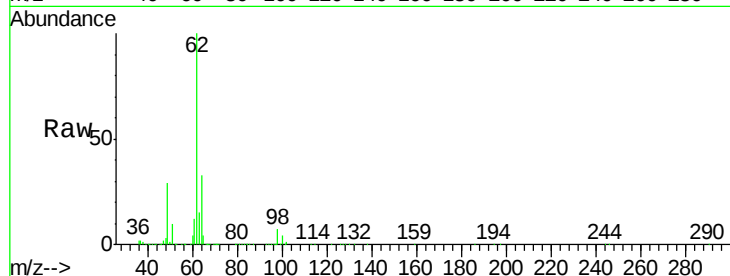
VL0929ABS01

Tgt Ion: 62 Resp: 1677581

Ion Ratio Lower Upper

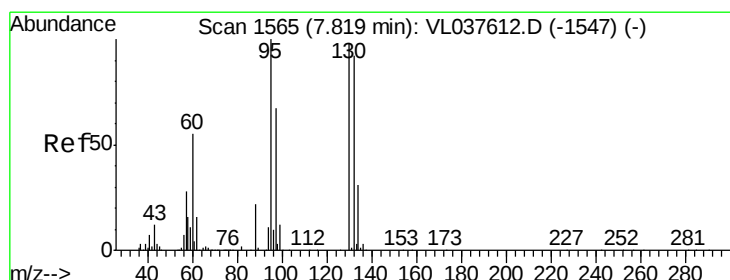
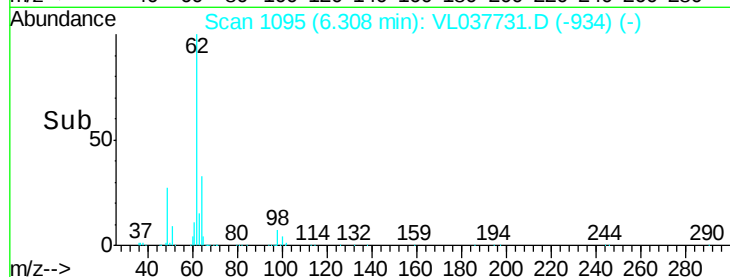
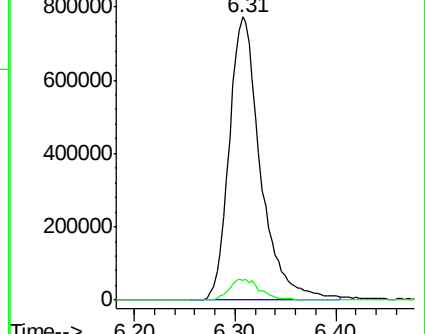
62 100

98 7.4 6.1 9.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.299 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Tgt Ion: 130 Resp: 1369383

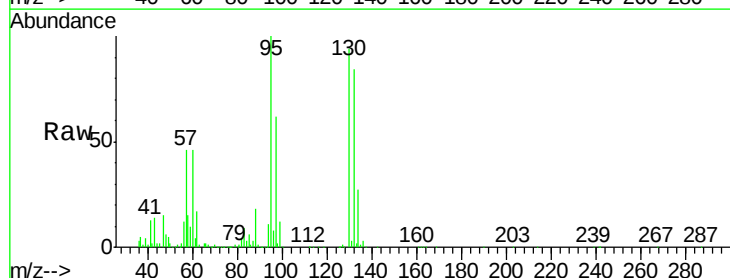
Ion Ratio Lower Upper

130 100

95 106.2 81.8 122.6

132 89.7 75.3 112.9

97 65.9 54.7 82.1

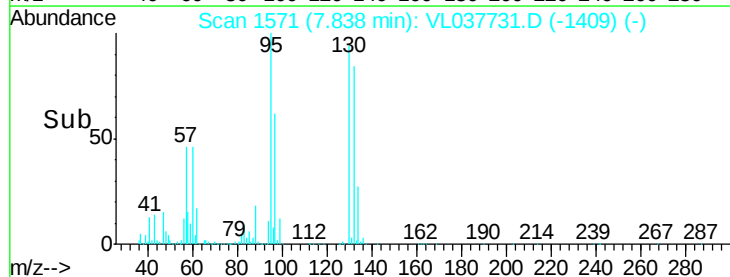
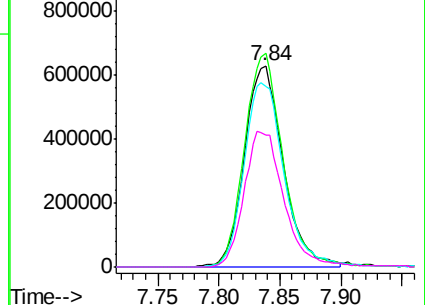


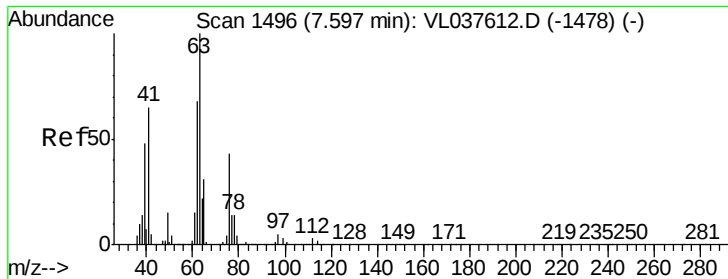
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 10.947 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

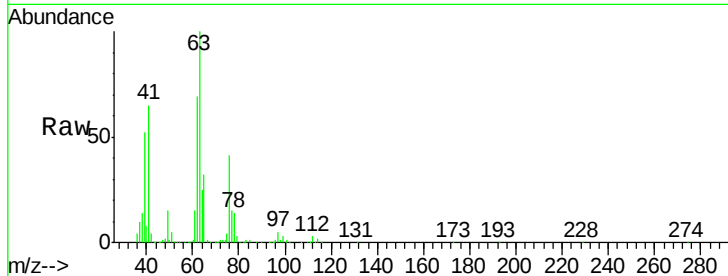
Tgt Ion: 63 Resp: 1334592

Ion Ratio Lower Upper

63 100

41 64.5 51.6 77.4

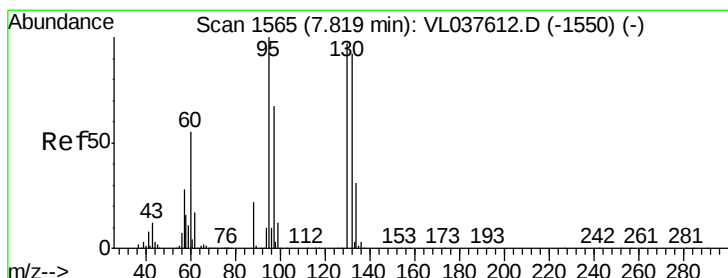
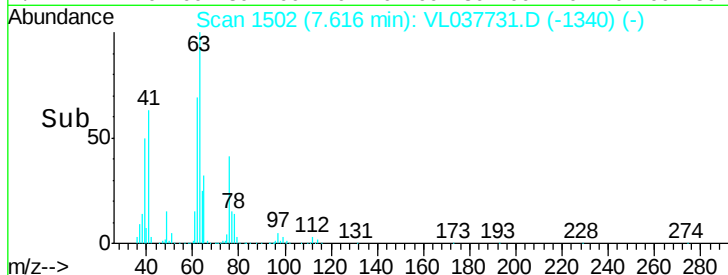
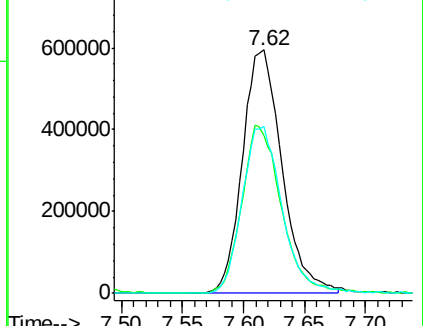
62 68.6 54.6 81.8



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.714 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Tgt Ion: 88 Resp: 317720

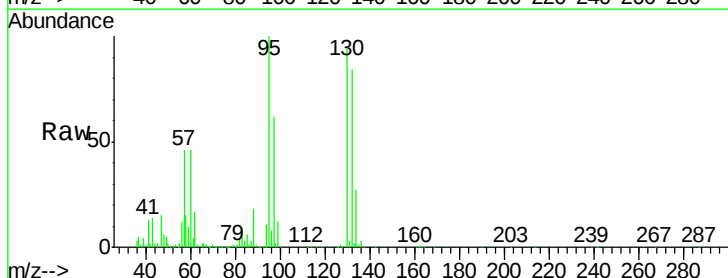
Ion Ratio Lower Upper

88 100

58 167.1 122.4 183.6

43 409.0 297.4 446.0

57 1826.2 1329.8 1994.8

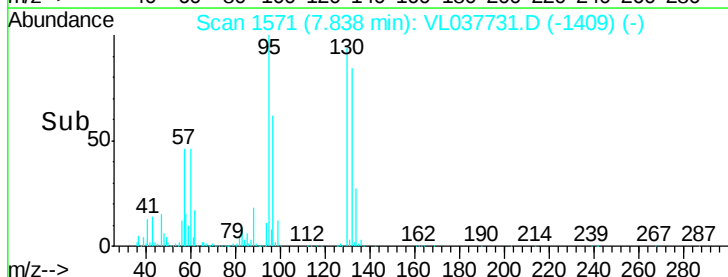
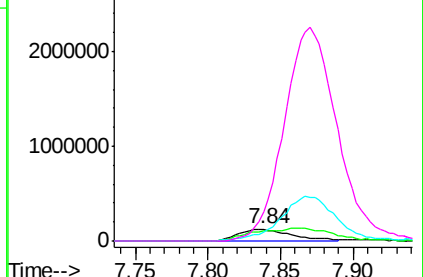


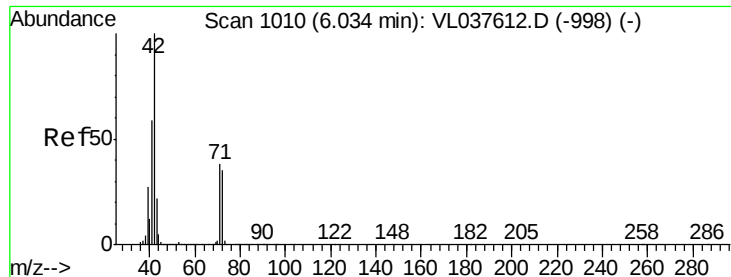
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 11.668 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

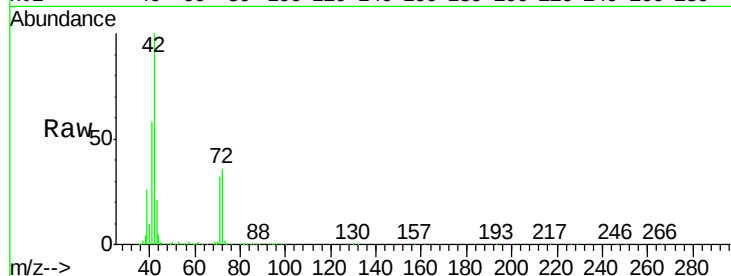
Tgt Ion: 42 Resp: 850876

Ion Ratio Lower Upper

42 100

72 37.9 31.4 47.2

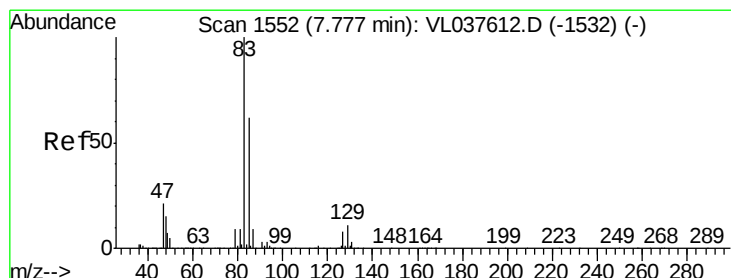
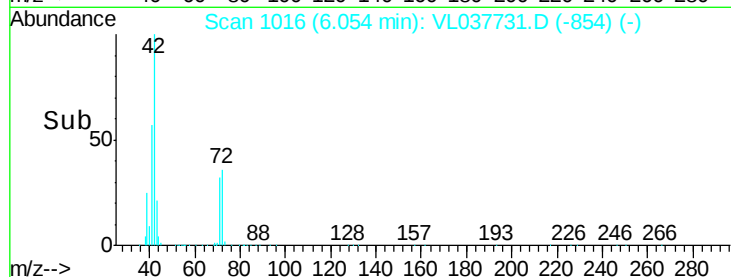
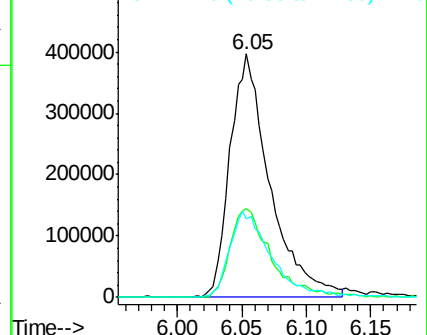
71 37.8 30.6 46.0



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: 11.019 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

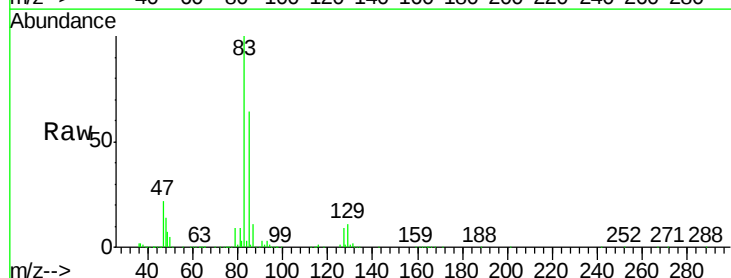
Tgt Ion: 83 Resp: 2472366

Ion Ratio Lower Upper

83 100

85 64.2 49.8 74.6

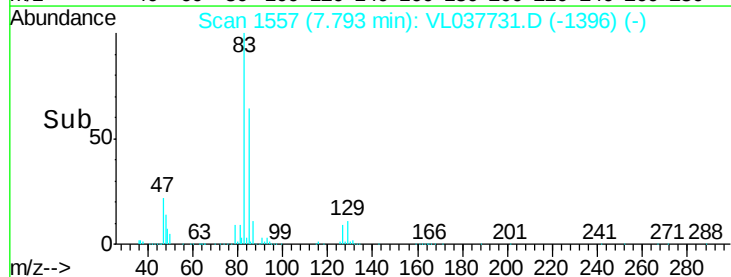
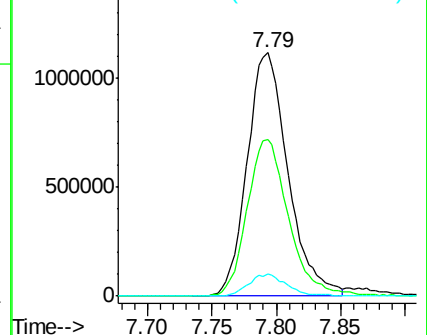
127 9.0 6.4 9.6

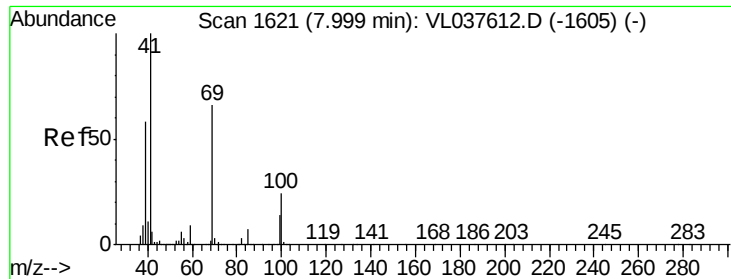


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

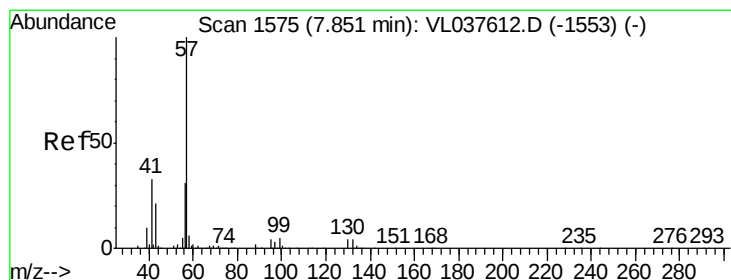
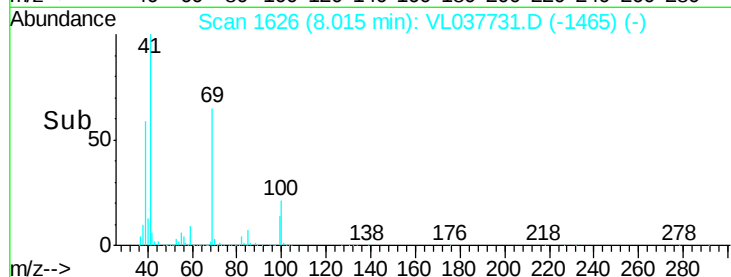
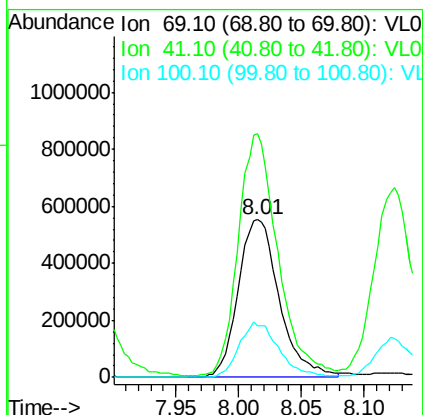
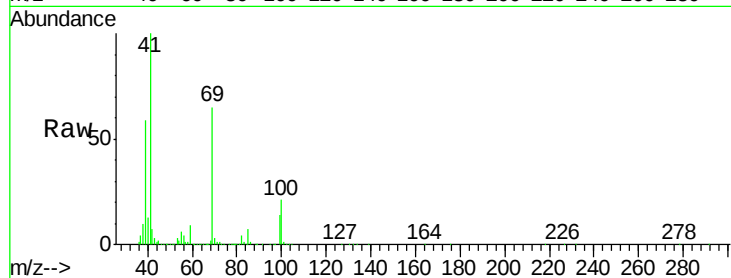




#43
Methyl Methacrylate
Concen: 11.888 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.02 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

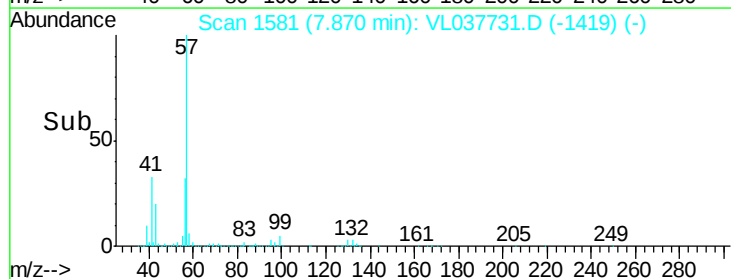
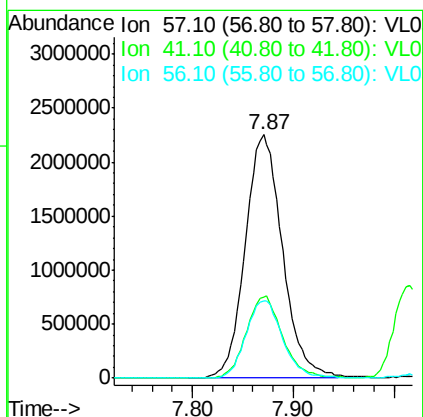
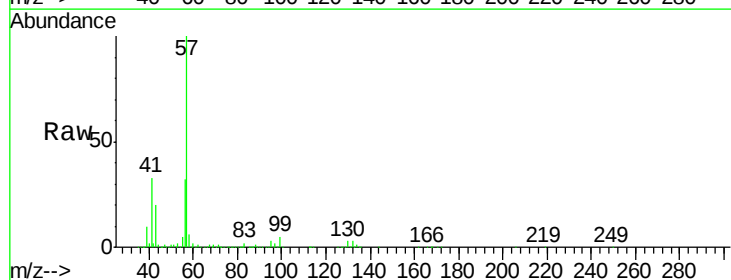
Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

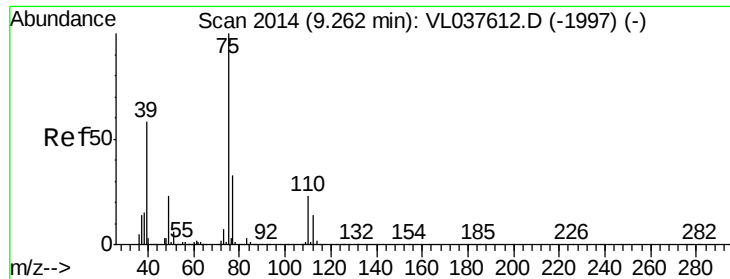
Tgt Ion: 69 Resp: 1258848
Ion Ratio Lower Upper
69 100
41 149.7 119.0 178.4
100 34.2 27.6 41.4



#44
2,2,4-Trimethylpentane
Concen: 10.781 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

Tgt Ion: 57 Resp: 5769086
Ion Ratio Lower Upper
57 100
41 32.8 26.1 39.1
56 31.6 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 11.765 ppbv

RT: 9.28 min Scan# 2018

Delta R.T. 0.01 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

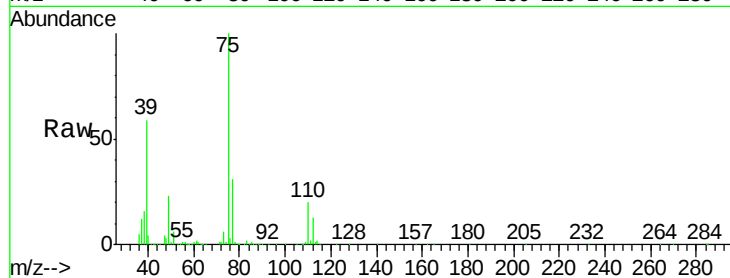
VL0929ABS01

Tgt Ion: 75 Resp: 978587

Ion Ratio Lower Upper

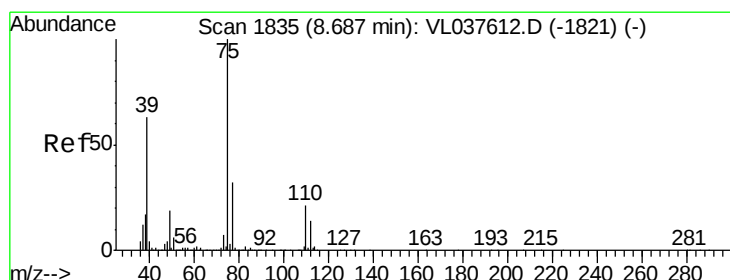
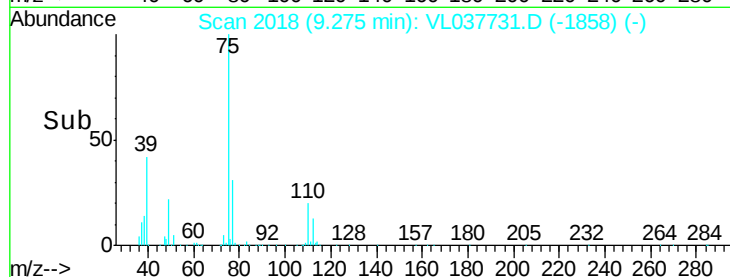
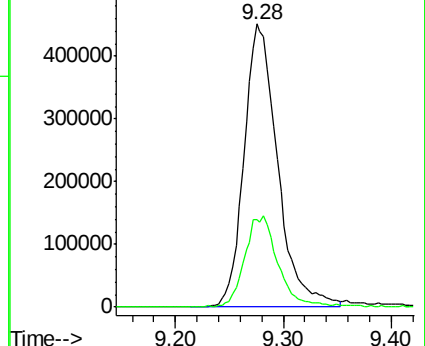
75 100

77 31.0 26.3 39.5



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.371 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

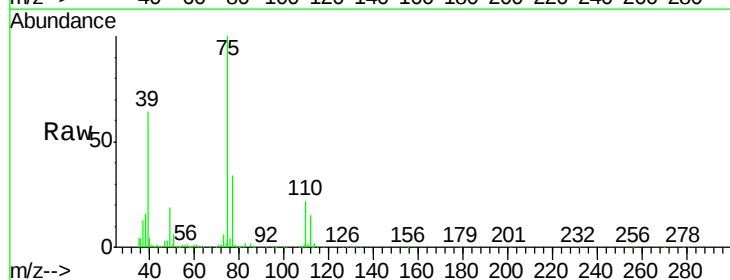
Tgt Ion: 75 Resp: 1277570

Ion Ratio Lower Upper

75 100

39 63.4 50.2 75.4

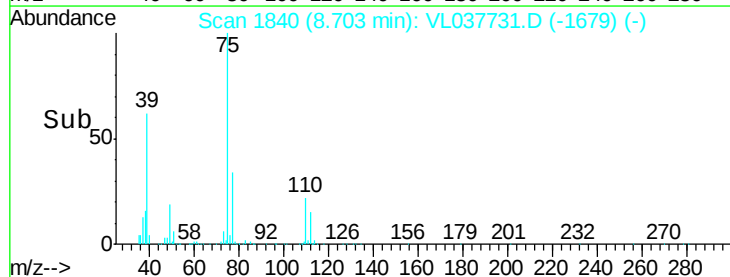
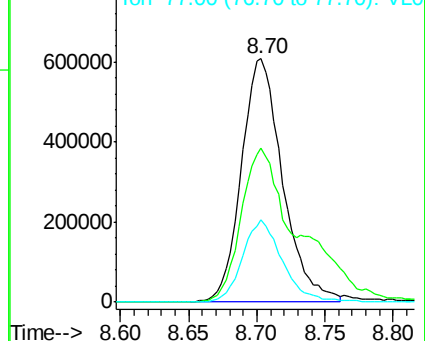
77 33.9 25.2 37.8

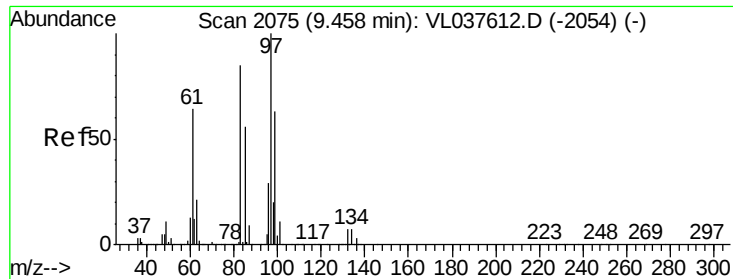


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



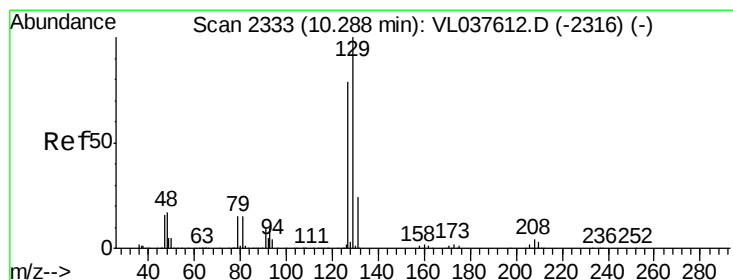
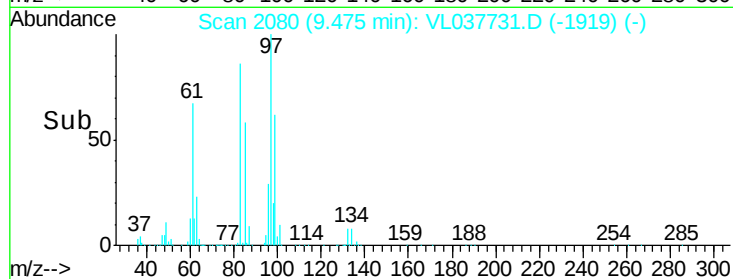
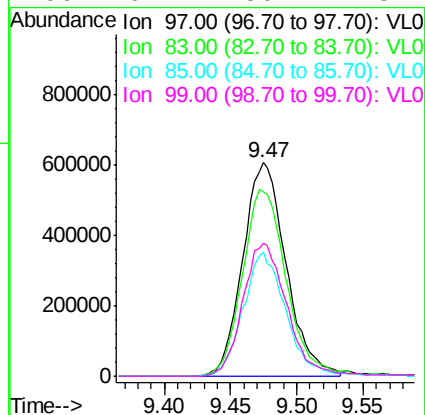
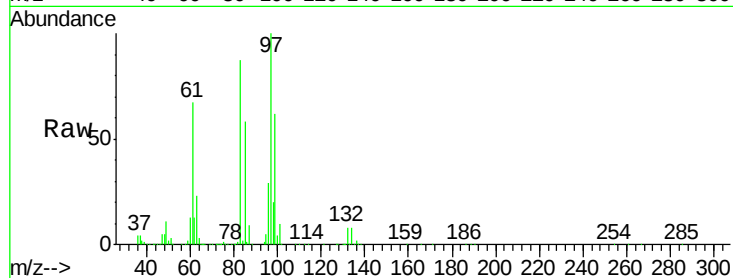


#47
 1,1,2-Trichloroethane
 Concen: 10.255 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. 0.02 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

Tgt Ion: 97 Resp: 1382961

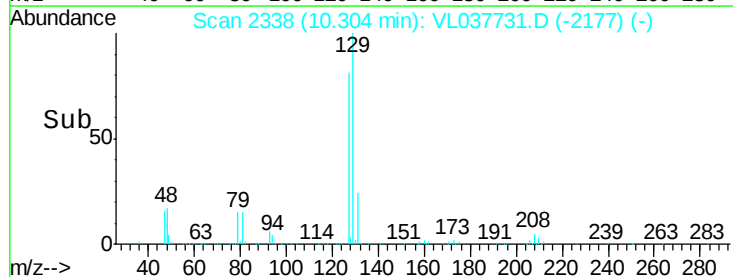
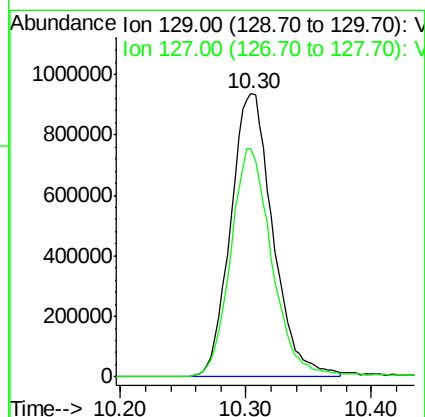
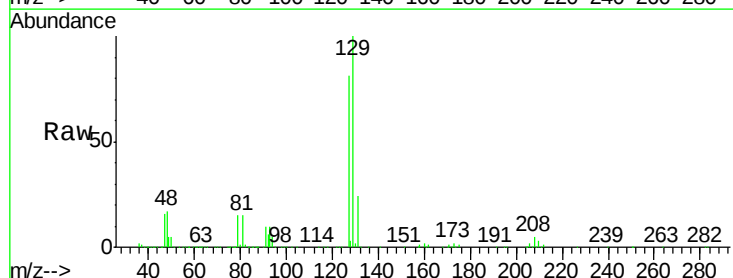
Ion	Ratio	Lower	Upper
97	100		
83	86.6	67.9	101.9
85	58.2	44.8	67.2
99	62.1	50.1	75.1

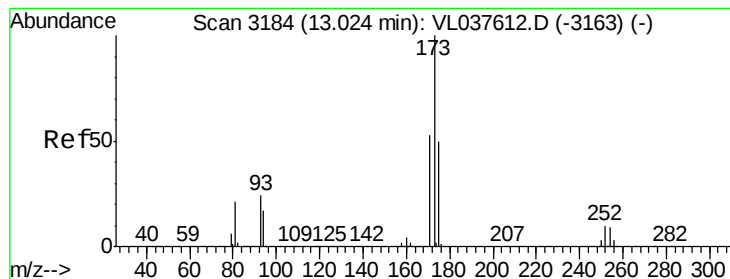


#48
 Dibromochloromethane
 Concen: 11.558 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.02 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

Tgt Ion: 129 Resp: 2174630

Ion	Ratio	Lower	Upper
129	100		
127	80.3	39.3	117.8





#49

Bromoform

Concen: 11.562 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

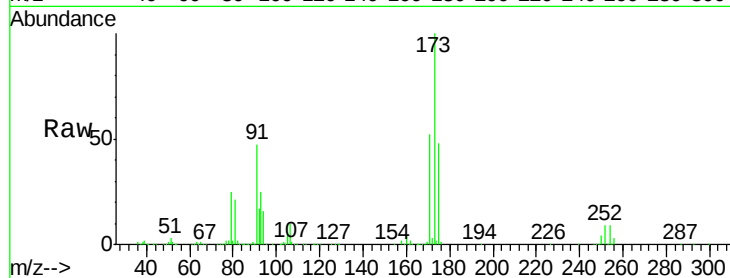
Tgt Ion:173 Resp: 1740958

Ion Ratio Lower Upper

173 100

175 53.4 39.8 59.8

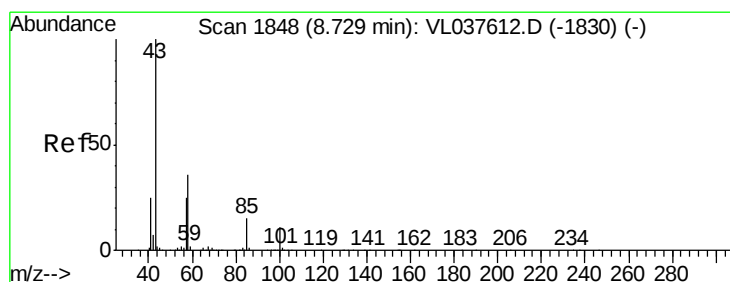
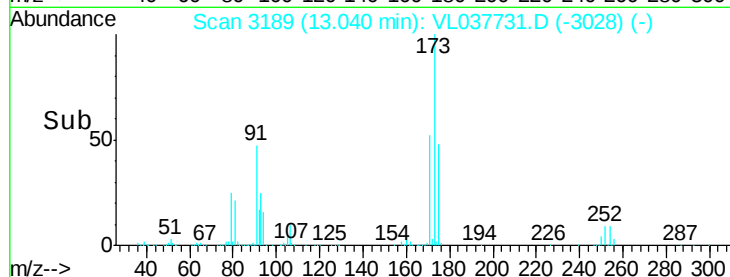
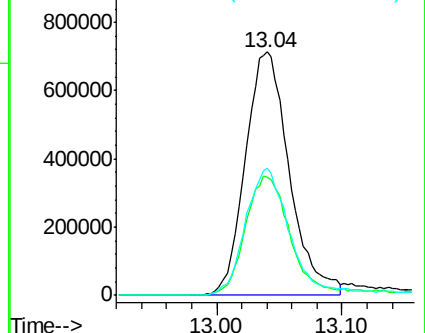
171 55.1 42.2 63.4



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: 11.677 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.02 min

Lab File: VL037731.D

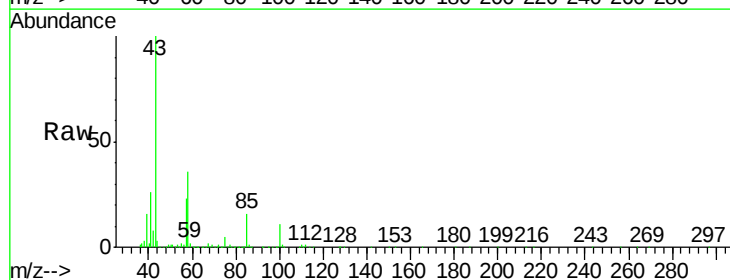
Acq: 29 Sep 2021 14:39

Tgt Ion: 43 Resp: 2299171

Ion Ratio Lower Upper

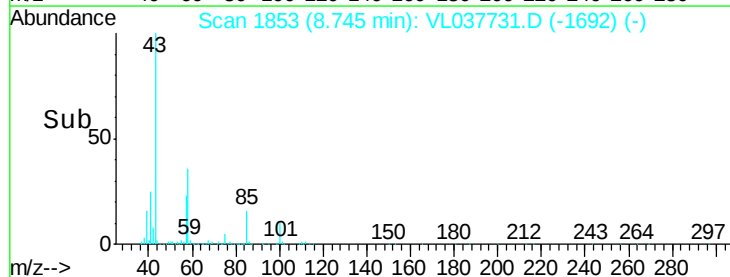
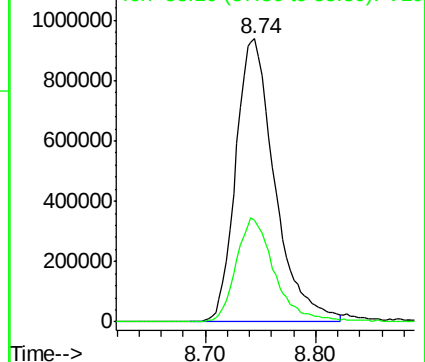
43 100

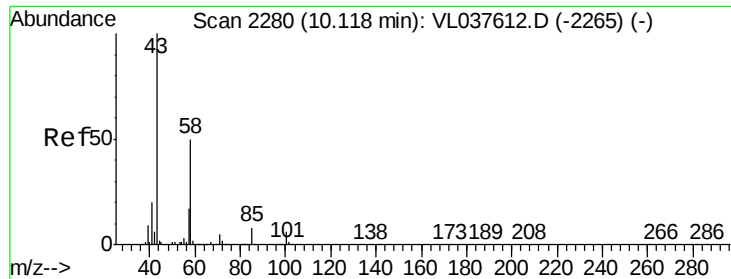
58 36.5 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

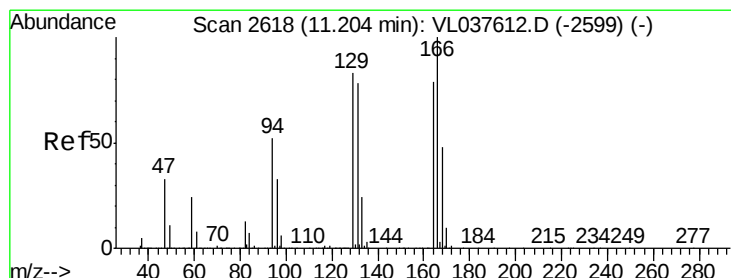
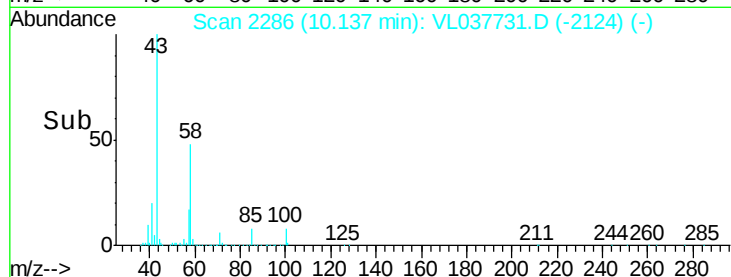
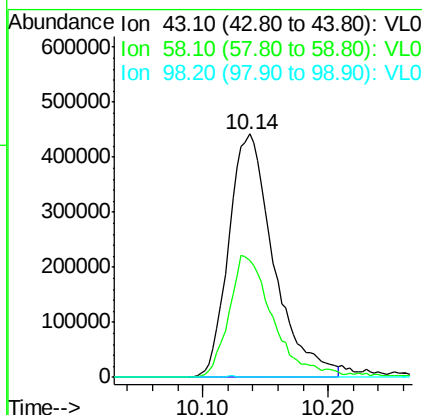
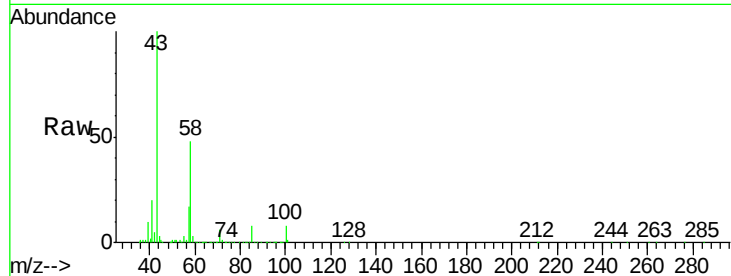




#51
2-Hexanone
Concen: 12.649 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. 0.02 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

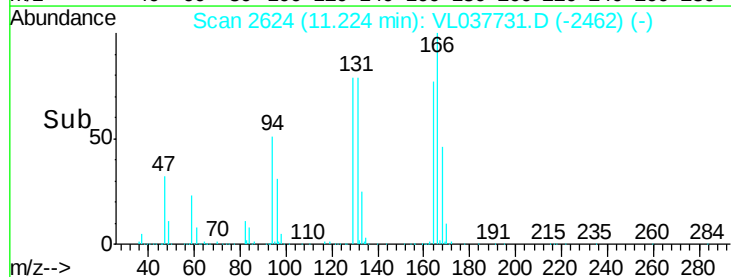
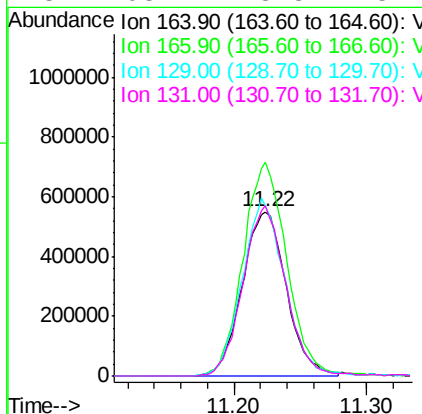
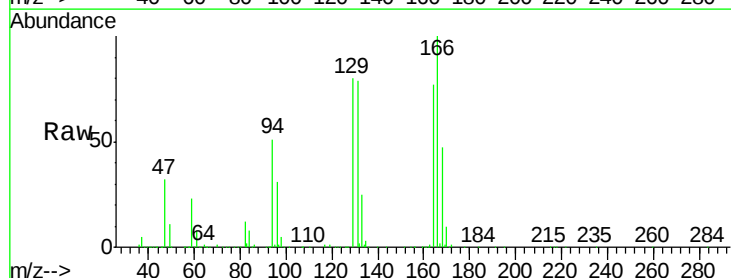
Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

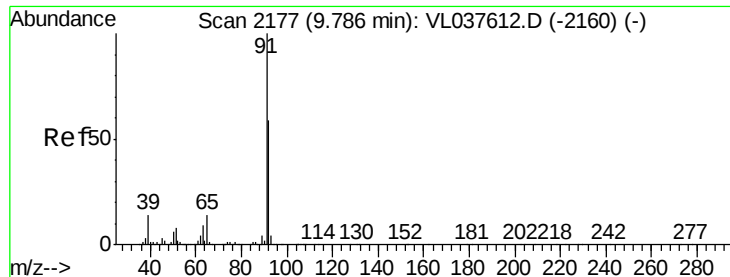
Tgt Ion: 43 Resp: 1098854
Ion Ratio Lower Upper
43 100
58 50.3 39.3 58.9
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 10.422 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. 0.02 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

Tgt Ion: 164 Resp: 1273591
Ion Ratio Lower Upper
164 100
166 130.0 101.2 151.8
129 103.6 84.0 126.0
131 103.4 78.8 118.2





#53

Toluene

Concen: 11.370 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

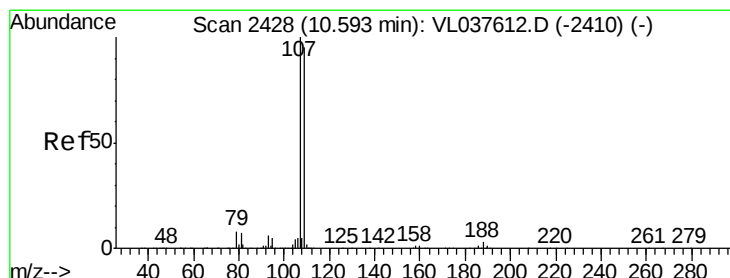
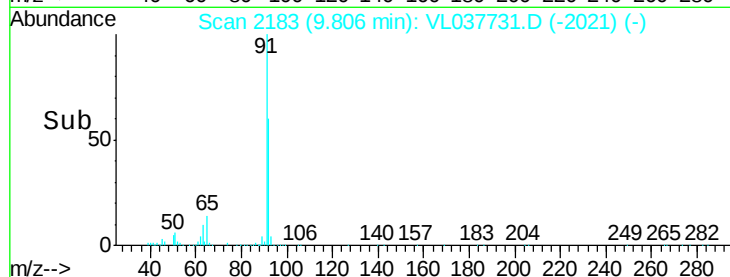
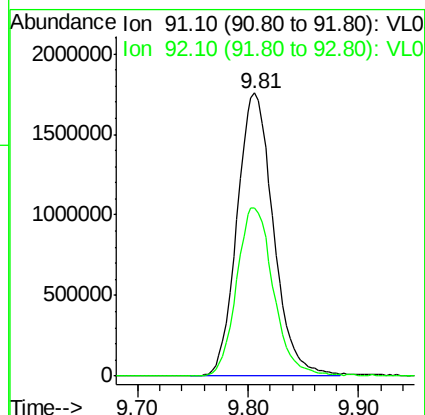
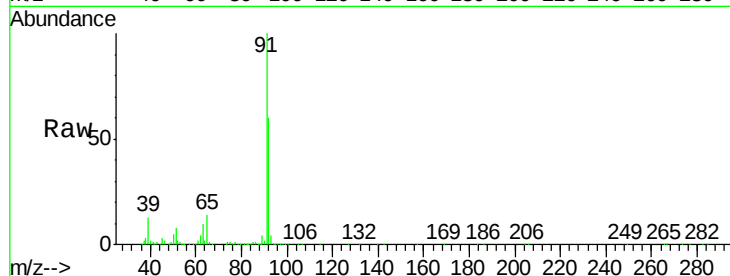
VL0929ABS01

Tgt Ion: 91 Resp: 4022836

Ion Ratio Lower Upper

91 100

92 60.6 48.9 73.3



#54

1,2-Dibromoethane

Concen: 10.409 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. 0.02 min

Lab File: VL037731.D

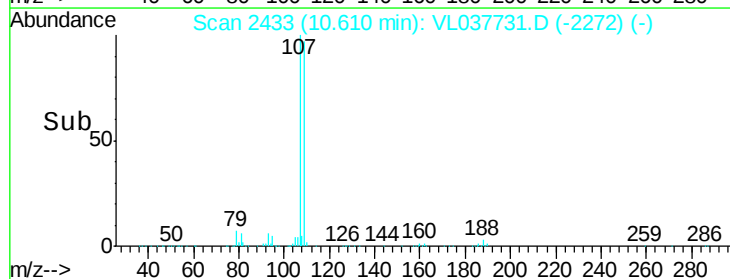
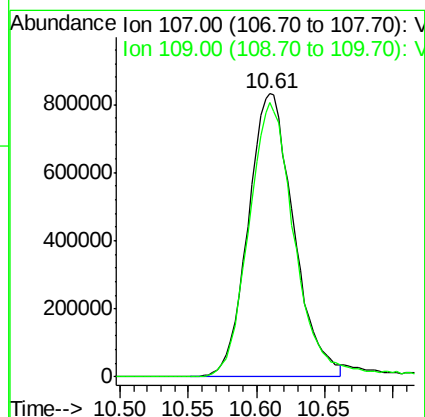
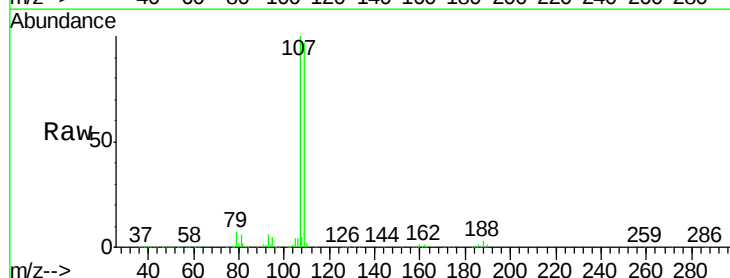
Acq: 29 Sep 2021 14:39

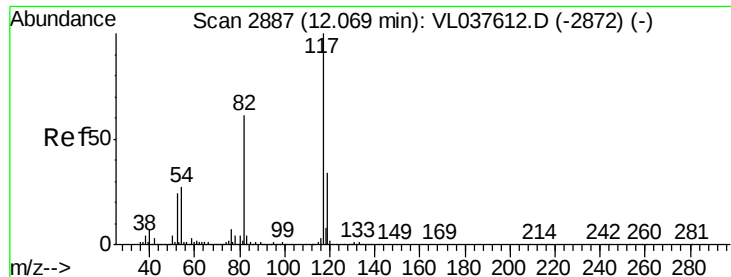
Tgt Ion: 107 Resp: 1922069

Ion Ratio Lower Upper

107 100

109 96.8 76.0 114.0

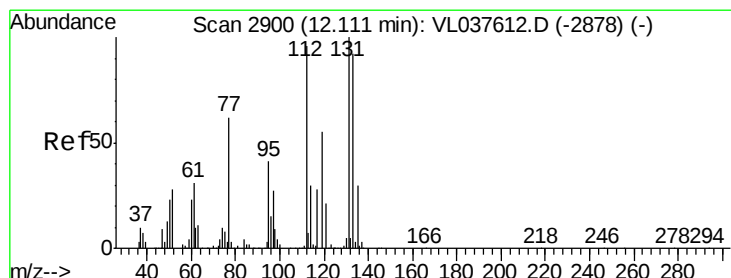
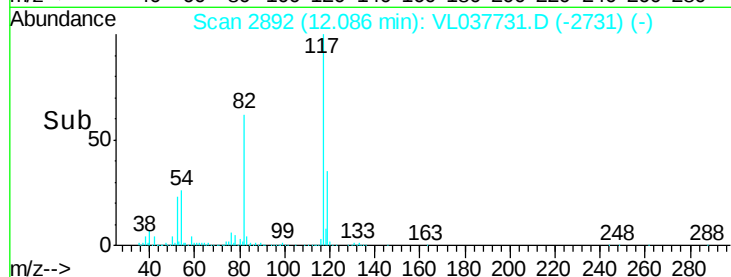
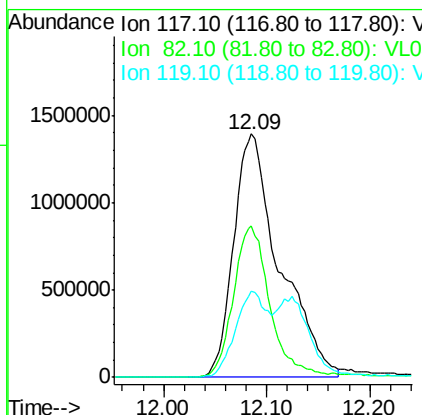
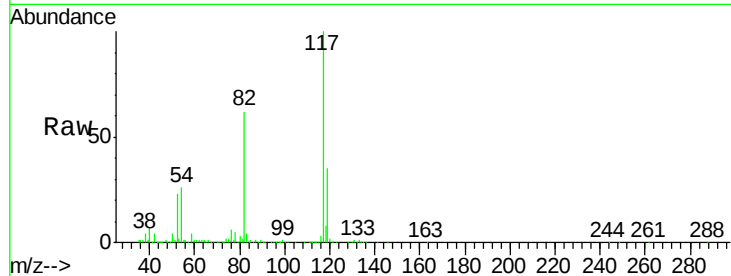




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.02 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

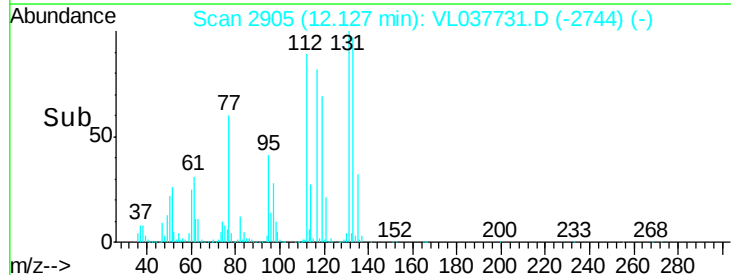
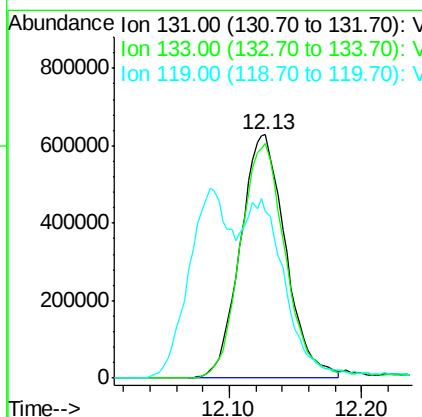
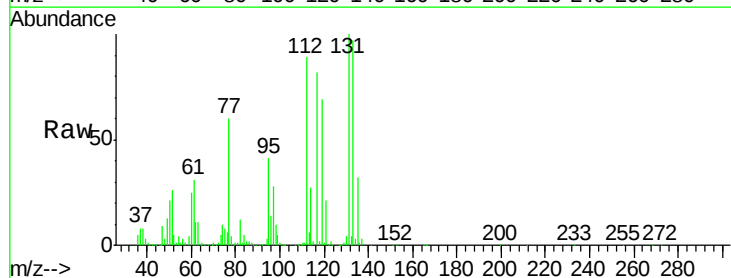
Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

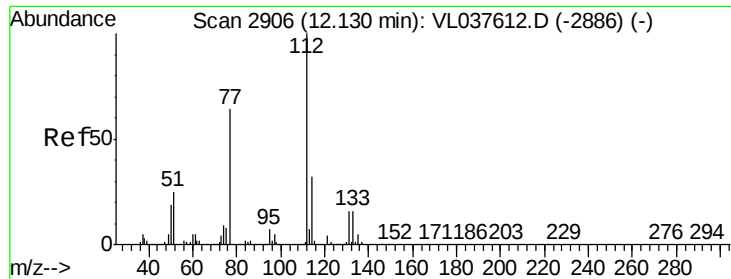
Tgt Ion:117 Resp: 4336098
Ion Ratio Lower Upper
117 100
82 51.0 50.6 75.8
119 26.3 26.2 39.2



#56
1,1,1,2-Tetrachloroethane
Concen: 8.299 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.02 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

Tgt Ion:131 Resp: 1492618
Ion Ratio Lower Upper
131 100
133 97.2 76.8 115.2
119 67.3 47.8 71.8





#57

Chlorobenzene

Concen: 8.001 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

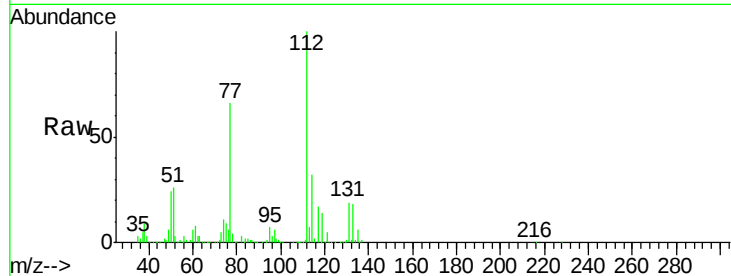
Tgt Ion: 112 Resp: 2884123

Ion Ratio Lower Upper

112 100

77 64.4 52.1 78.1

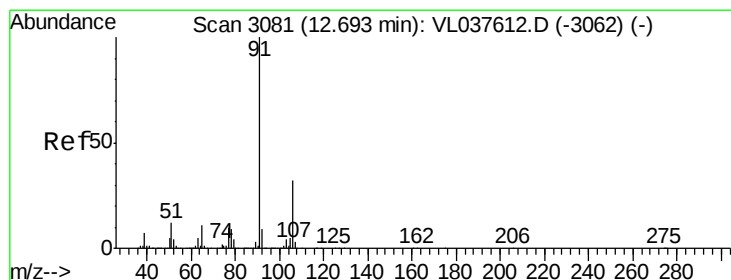
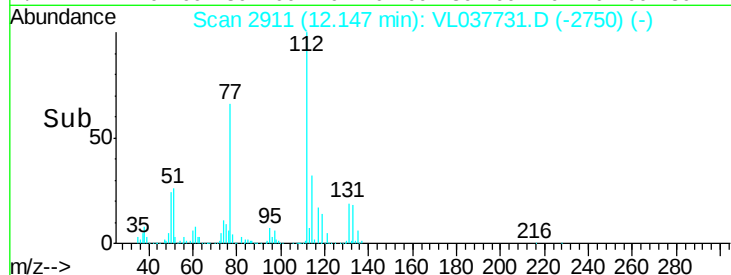
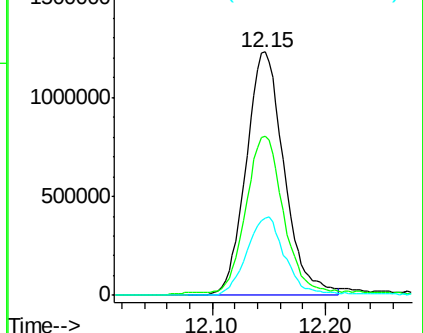
114 31.6 29.2 35.6



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: 8.697 ppbv

RT: 12.71 min Scan# 3086

Delta R.T. 0.02 min

Lab File: VL037731.D

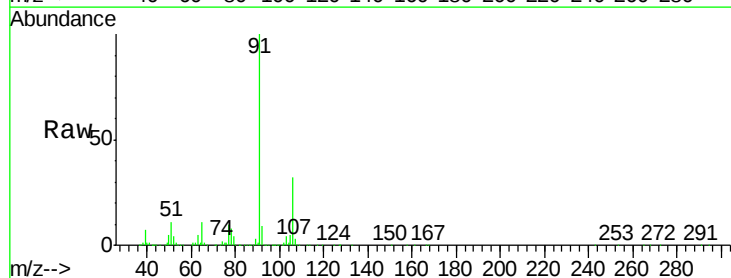
Acq: 29 Sep 2021 14:39

Tgt Ion: 91 Resp: 5006034

Ion Ratio Lower Upper

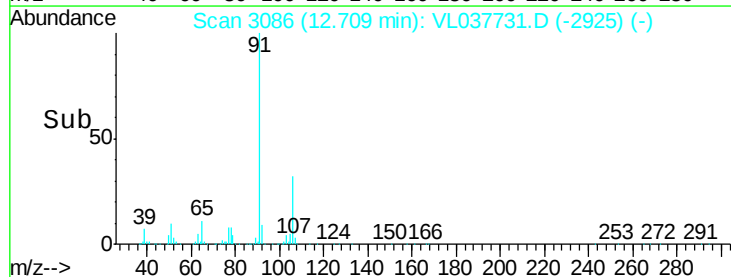
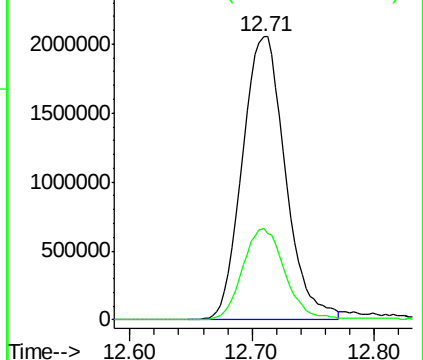
91 100

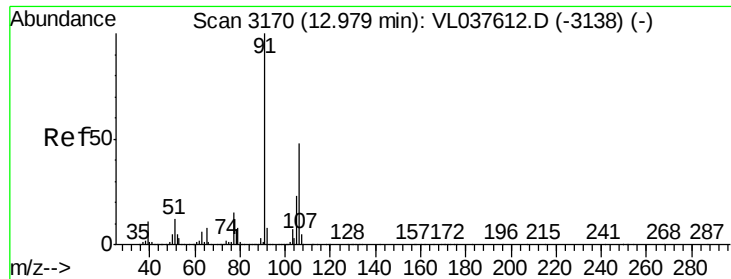
106 32.1 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 5.884 ppbv

RT: 13.00 min Scan# 3175

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

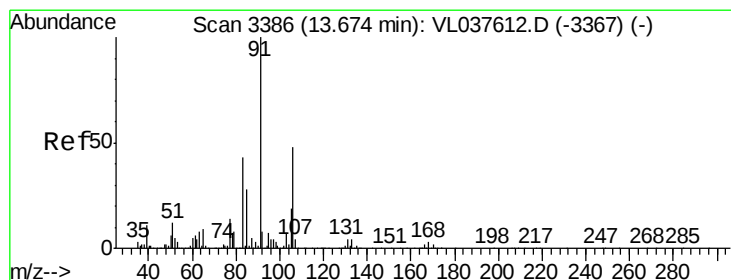
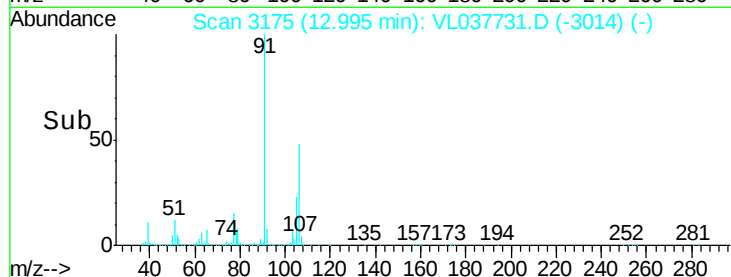
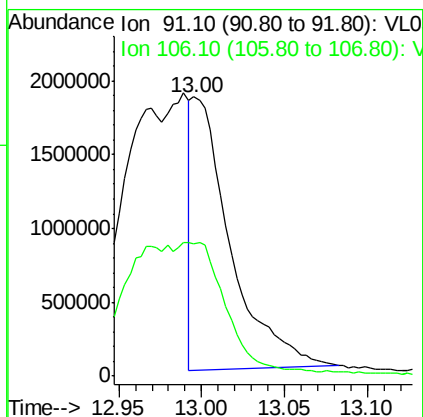
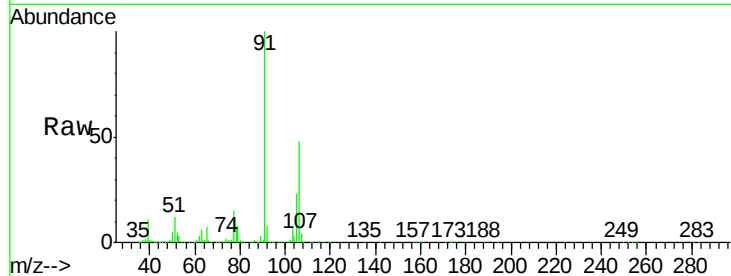
VL0929ABS01

Tgt Ion: 91 Resp: 2951383

Ion Ratio Lower Upper

91 100

106 0.0 36.6 55.0#



#60

o-Xylene

Concen: 8.395 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. 0.02 min

Lab File: VL037731.D

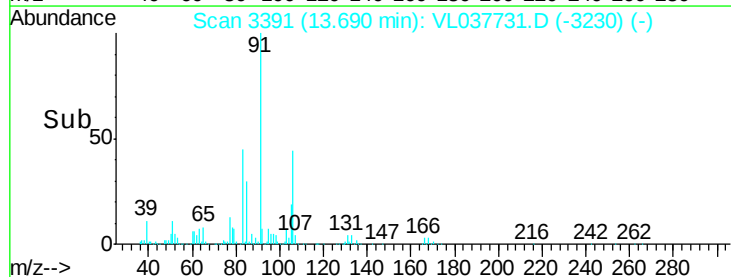
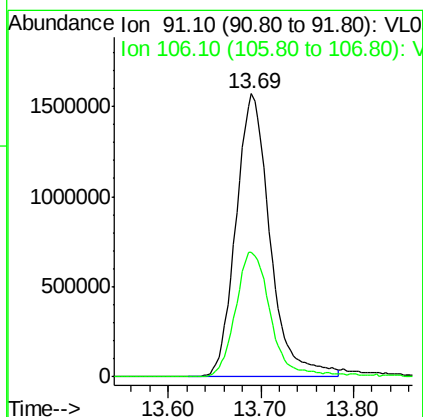
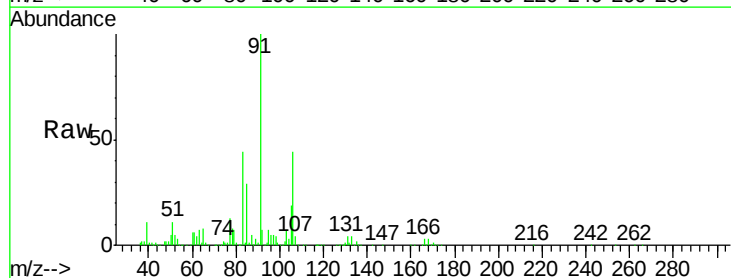
Acq: 29 Sep 2021 14:39

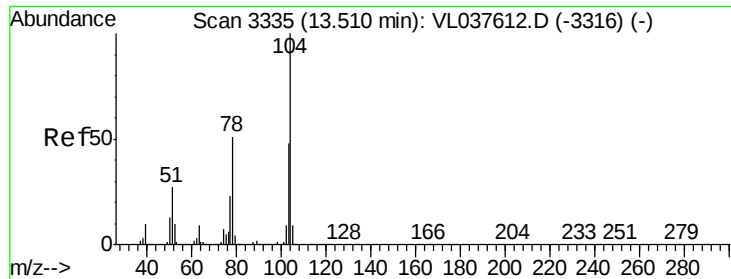
Tgt Ion: 91 Resp: 4007902

Ion Ratio Lower Upper

91 100

106 46.8 23.0 69.0





#61

Styrene

Concen: 9.481 ppbv

RT: 13.53 min Scan# 3340

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

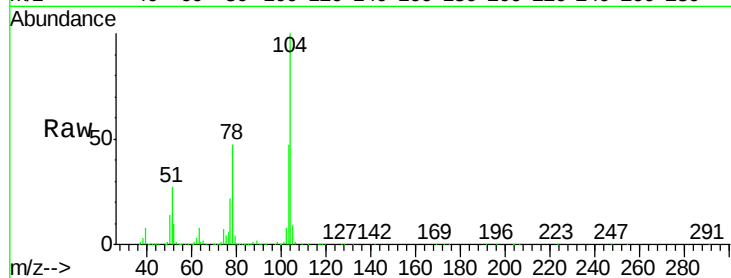
Tgt Ion:104 Resp: 2232009

Ion Ratio Lower Upper

104 100

78 50.0 39.7 59.5

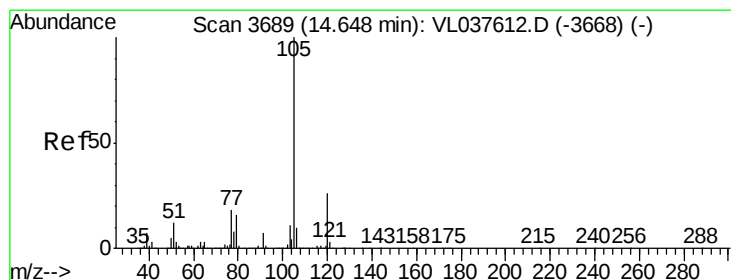
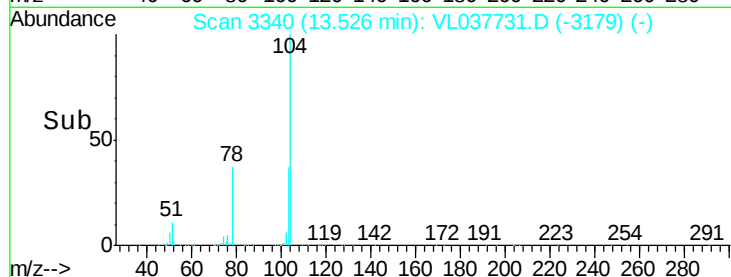
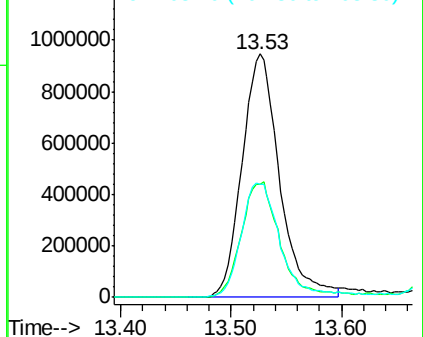
103 49.4 38.8 58.2



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: 8.225 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. 0.02 min

Lab File: VL037731.D

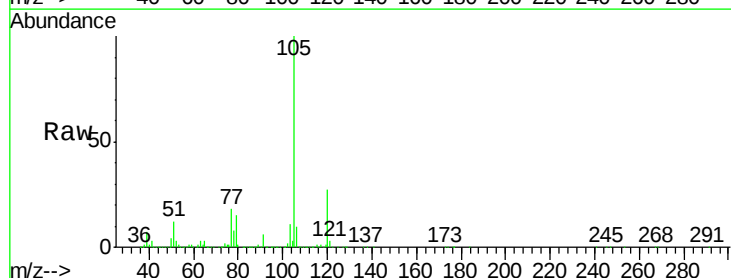
Acq: 29 Sep 2021 14:39

Tgt Ion:105 Resp: 5485898

Ion Ratio Lower Upper

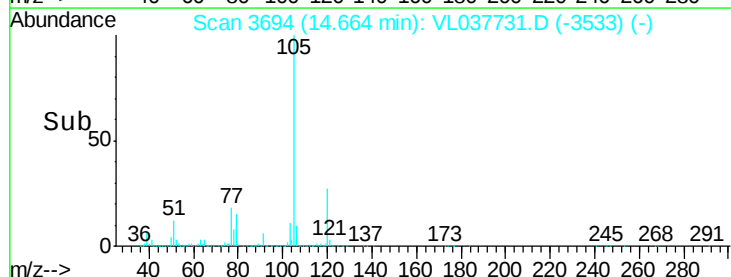
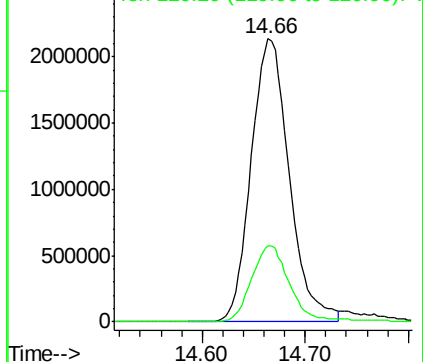
105 100

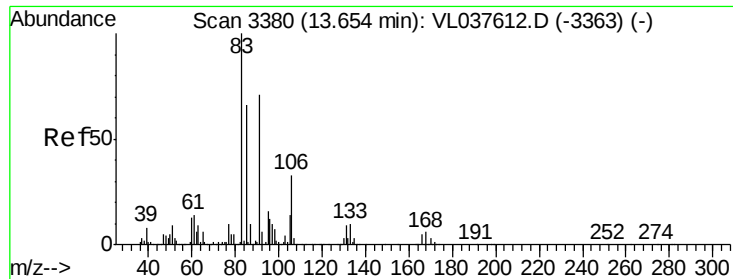
120 27.4 21.4 32.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

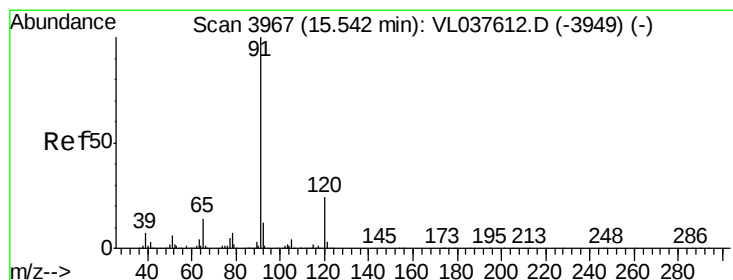
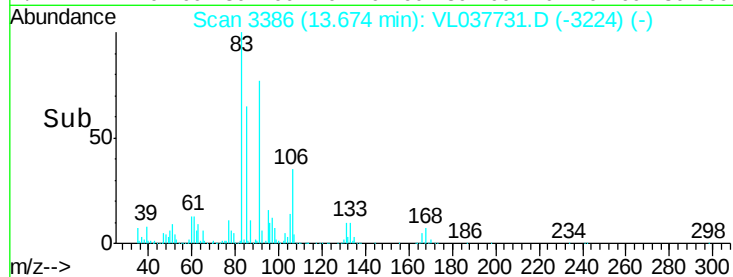
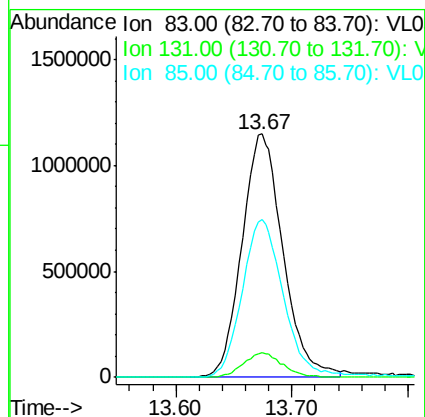
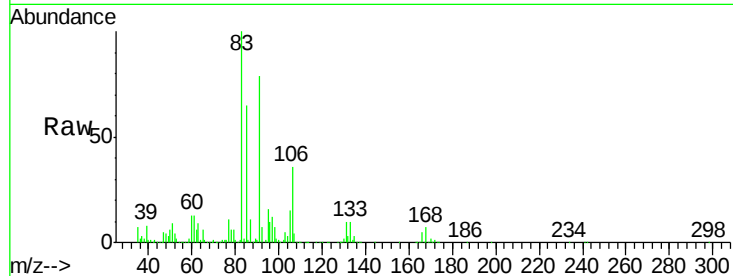




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.536 ppbv
 RT: 13.67 min Scan# 3386
 Delta R.T. 0.02 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

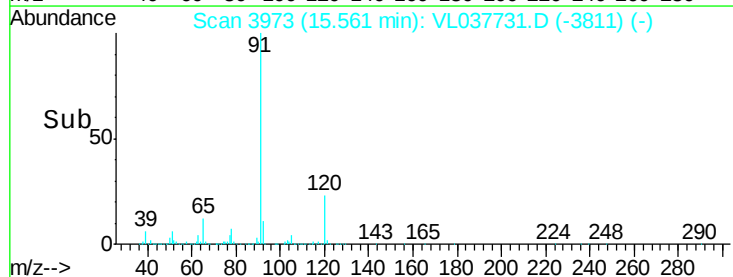
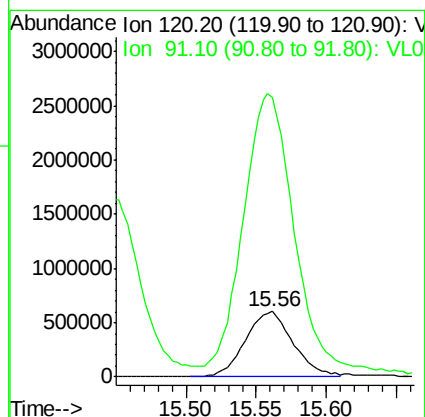
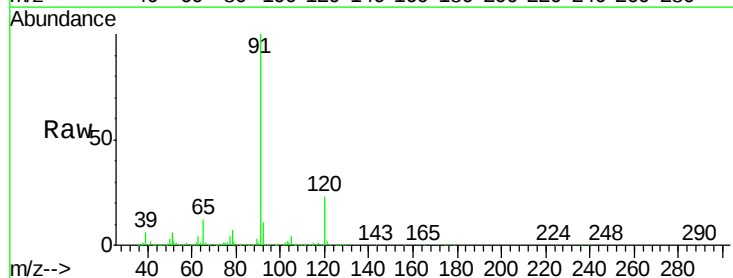
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

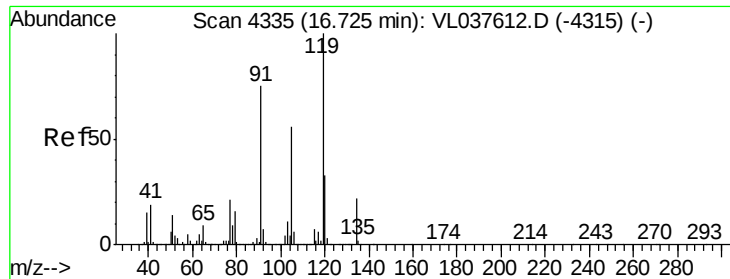
Tgt Ion: 83 Resp: 2815794
 Ion Ratio Lower Upper
 83 100
 131 10.1 5.1 15.3
 85 67.2 33.3 99.9



#64
 n-propylbenzene
 Concen: 8.280 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. 0.02 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

Tgt Ion: 120 Resp: 1425067
 Ion Ratio Lower Upper
 120 100
 91 481.2 345.0 517.4

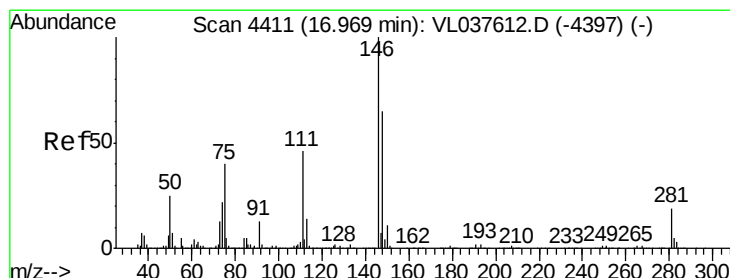
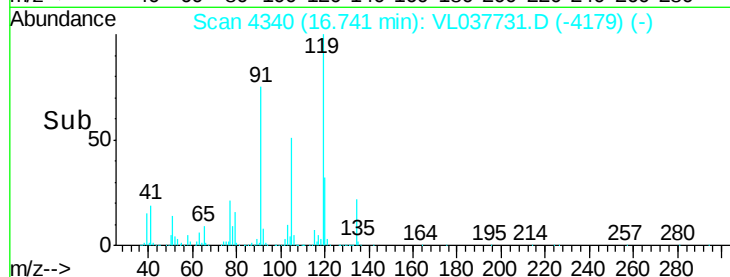
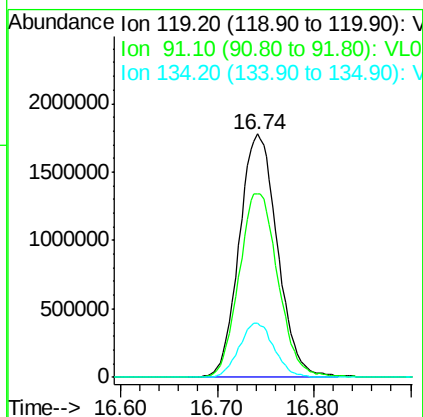
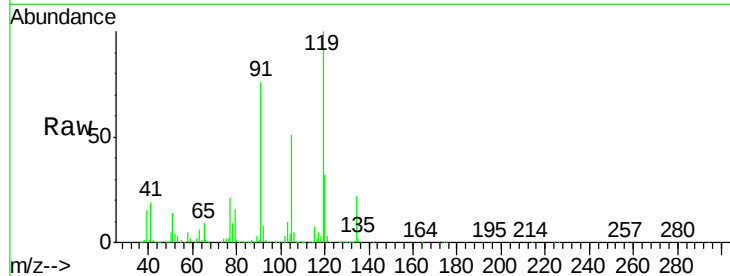




#65
tert-Butylbenzene
Concen: 8.103 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. 0.02 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

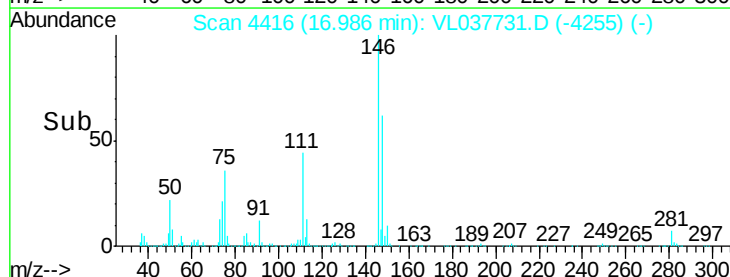
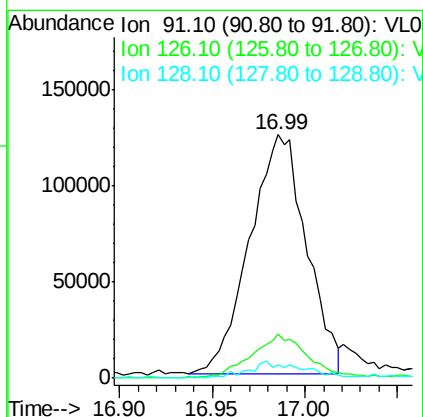
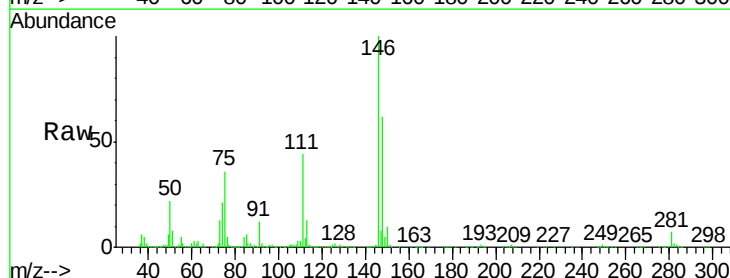
Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

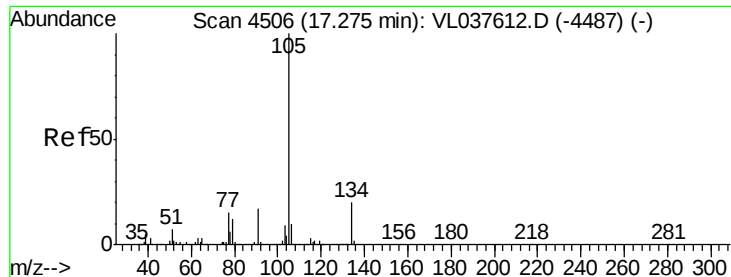
Tgt Ion: 119 Resp: 4872430
Ion Ratio Lower Upper
119 100
91 77.5 61.9 92.9
134 20.6 16.5 24.7



#66
Benzyl Chloride
Concen: 8.093 ppbv
RT: 16.99 min Scan# 4416
Delta R.T. 0.02 min
Lab File: VL037731.D
Acq: 29 Sep 2021 14:39

Tgt Ion: 91 Resp: 265935
Ion Ratio Lower Upper
91 100
126 19.3 14.4 21.6
128 7.1 5.7 8.5

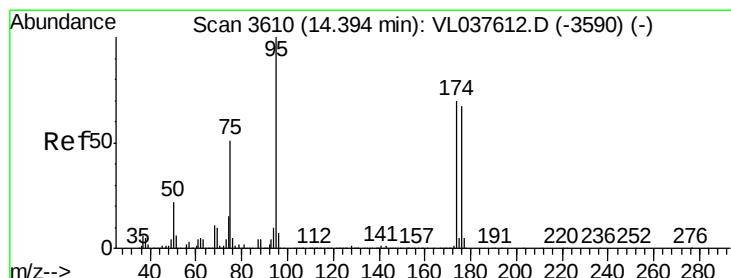
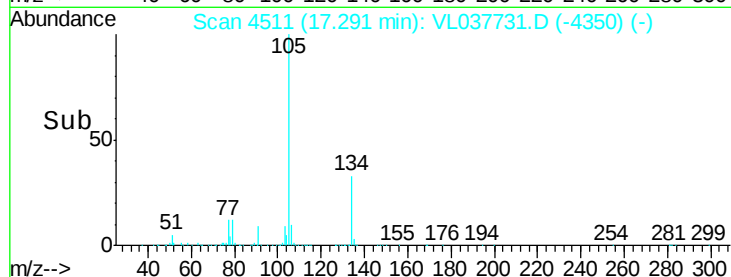
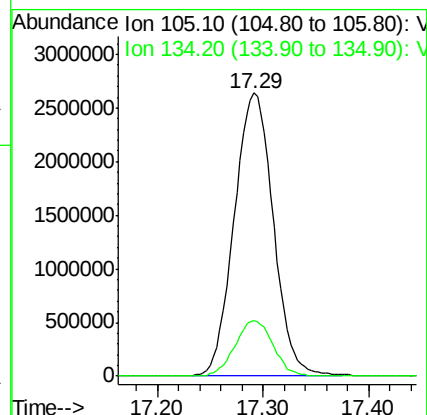
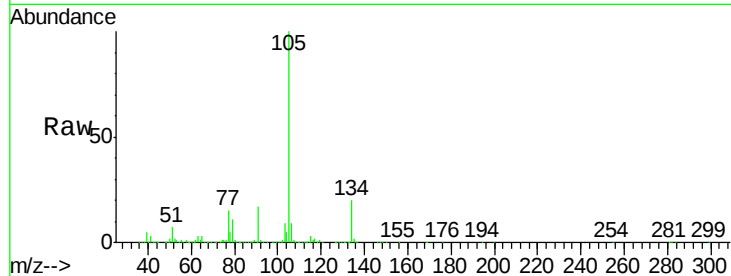




#67
 sec-Butylbenzene
 Concen: 8.306 ppbv
 RT: 17.29 min Scan# 4511
 Delta R.T. 0.02 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

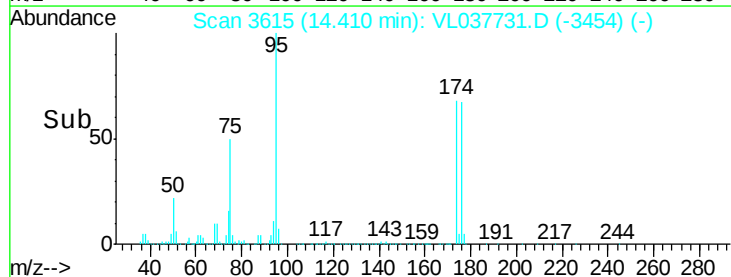
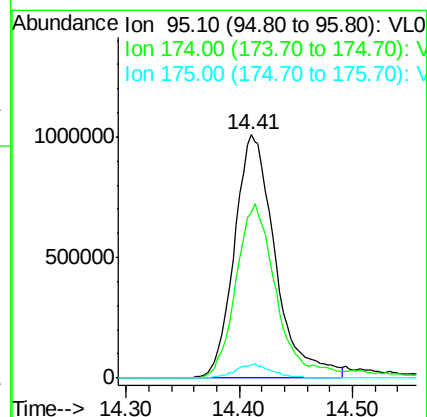
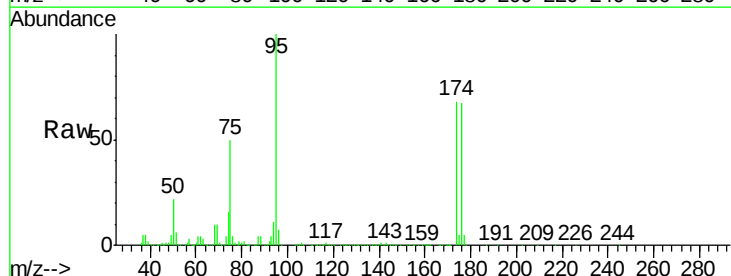
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

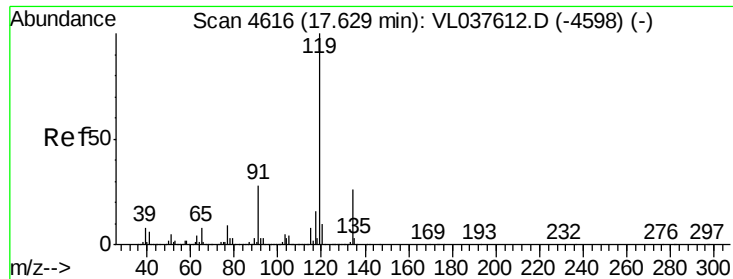
Tgt Ion: 105 Resp: 6776229
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.129 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. 0.02 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

Tgt Ion: 95 Resp: 2547367
 Ion Ratio Lower Upper
 95 100
 174 74.4 56.3 84.5
 175 5.5 4.4 6.6

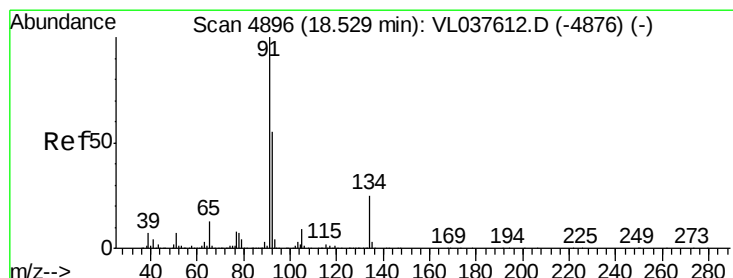
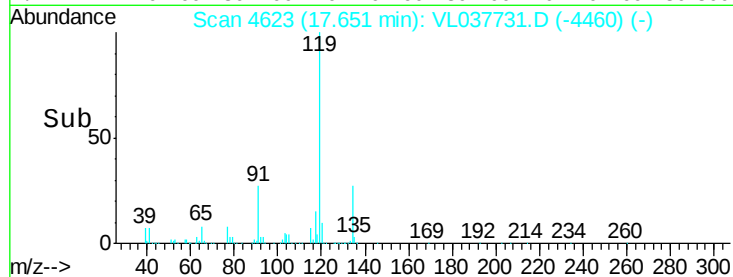
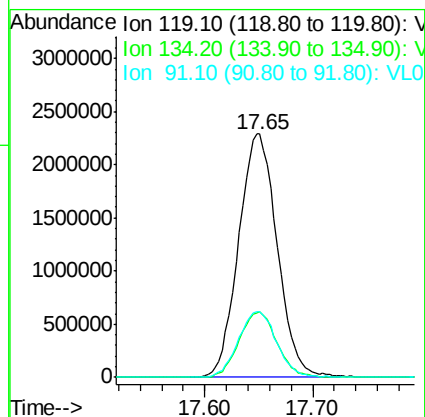
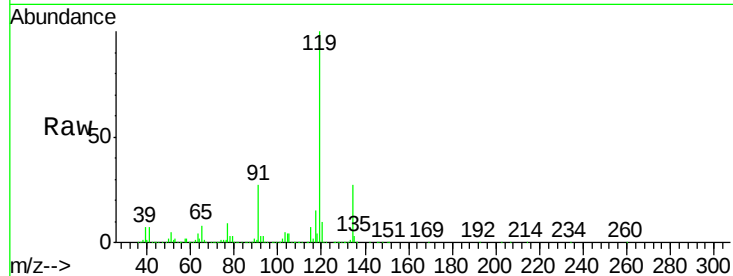




#69
 p-Isopropyltoluene
 Concen: 8.533 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.02 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

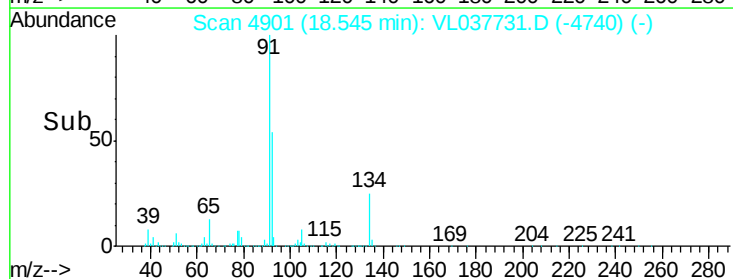
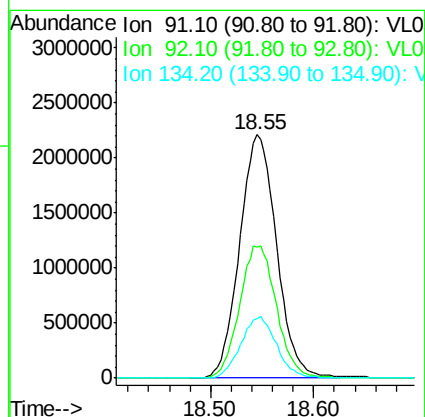
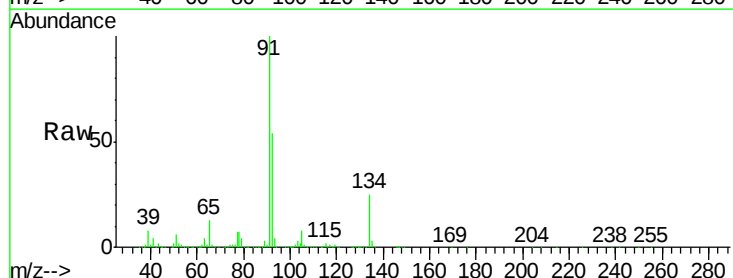
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

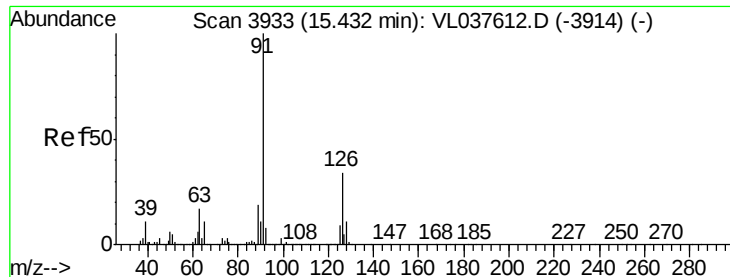
Tgt Ion: 119 Resp: 5687572
 Ion Ratio Lower Upper
 119 100
 134 26.4 21.2 31.8
 91 27.0 22.2 33.2



#70
 n-Butylbenzene
 Concen: 8.730 ppbv
 RT: 18.55 min Scan# 4901
 Delta R.T. 0.02 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

Tgt Ion: 91 Resp: 5505452
 Ion Ratio Lower Upper
 91 100
 92 54.9 44.0 66.0
 134 24.5 19.5 29.3





#71

2-Chlorotoluene

Concen: 8.299 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

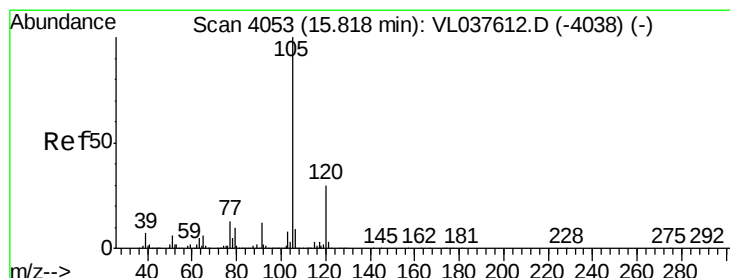
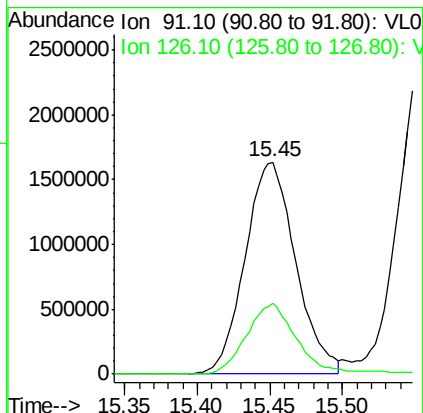
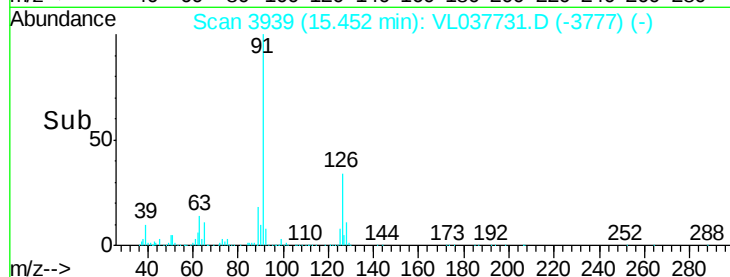
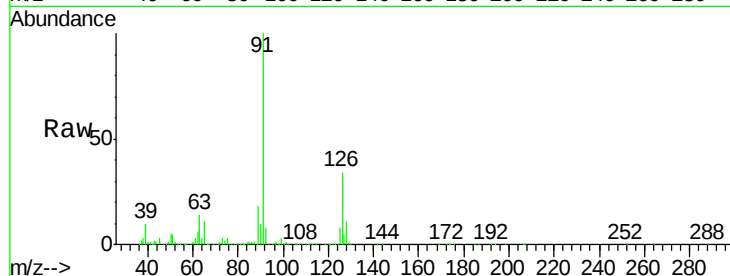
VL0929ABS01

Tgt Ion: 91 Resp: 3966476

Ion Ratio Lower Upper

91 100

126 34.5 13.2 52.8



#72

4-Ethyltoluene

Concen: 8.346 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Tgt Ion: 105 Resp: 4573924

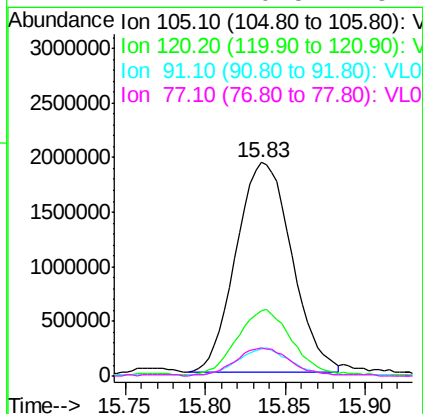
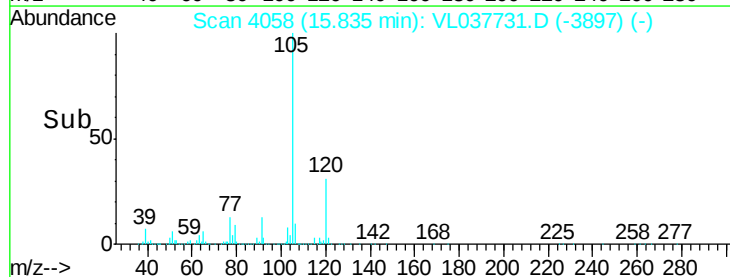
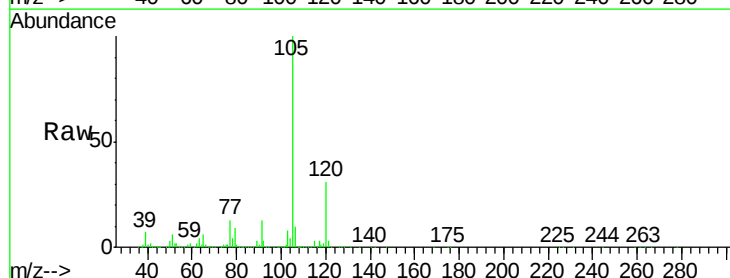
Ion Ratio Lower Upper

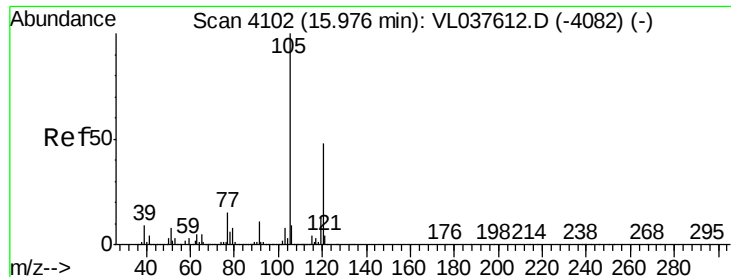
105 100

120 32.4 24.7 37.1

91 12.4 9.9 14.9

77 14.2 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 8.364 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

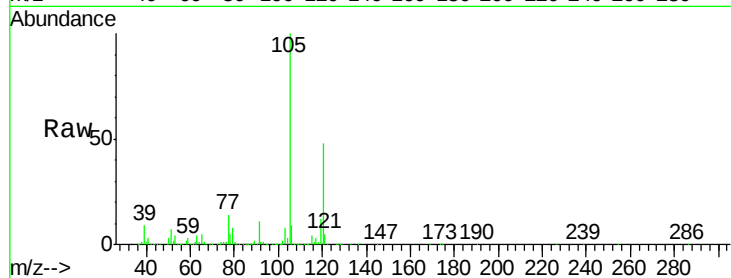
VL0929ABS01

Tgt Ion:105 Resp: 4272725

Ion Ratio Lower Upper

105 100

120 48.0 38.3 57.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.00

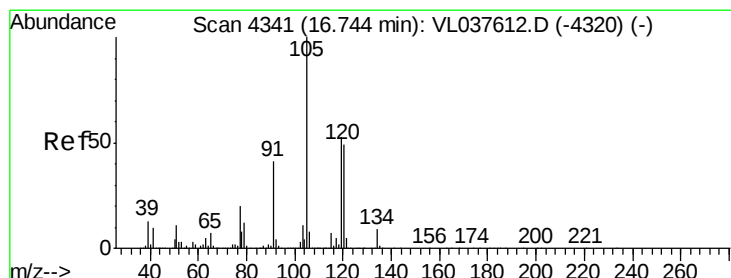
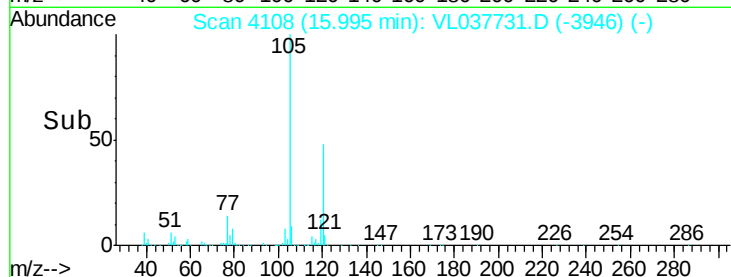
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.228 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Tgt Ion:105 Resp: 4427022

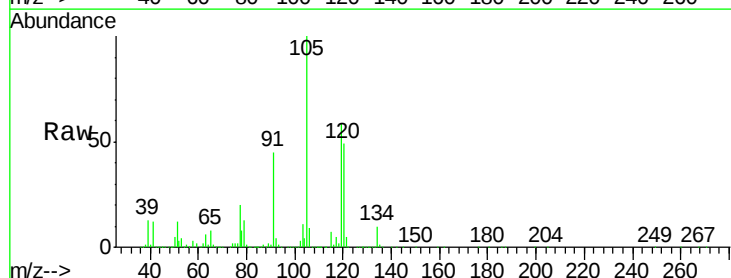
Ion Ratio Lower Upper

105 100

120 49.3 39.4 59.0

91 45.0 33.3 49.9

77 19.9 15.7 23.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

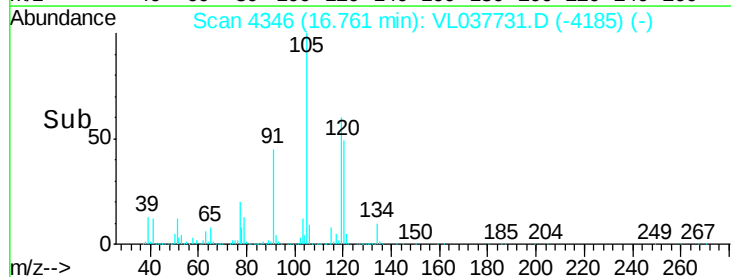
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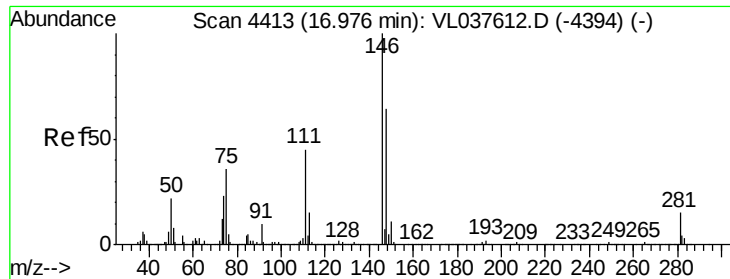
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500000

0

Time-->

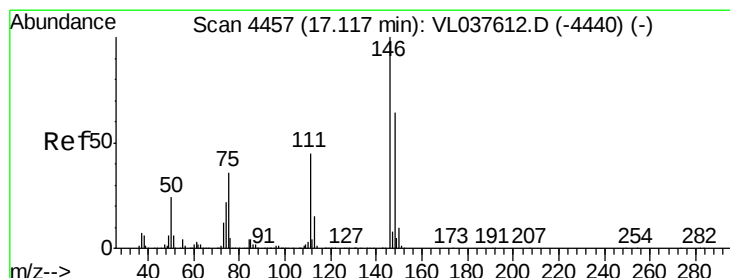
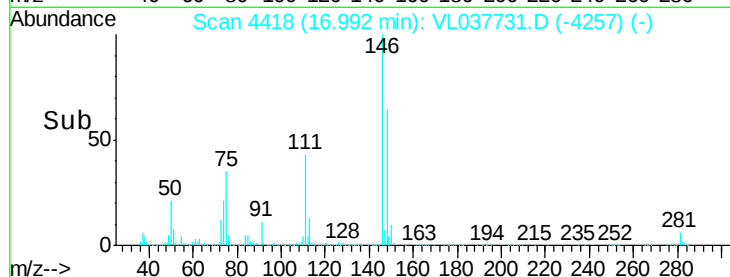
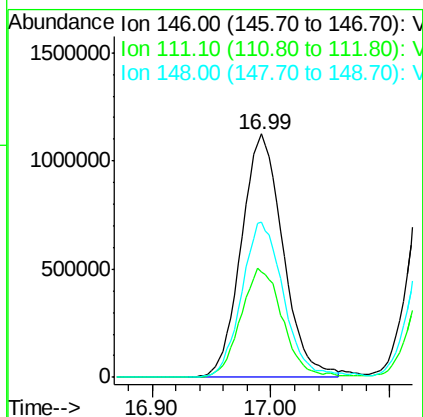
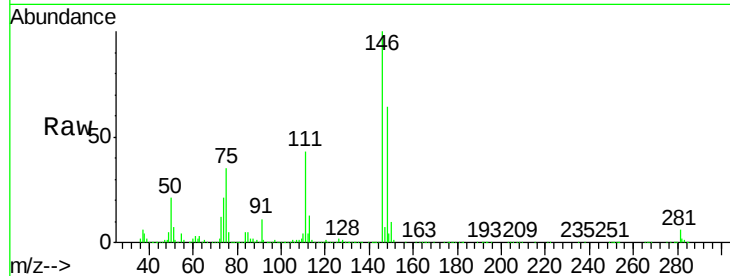




#75
 1,3-Dichlorobenzene
 Concen: 8.169 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. 0.02 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

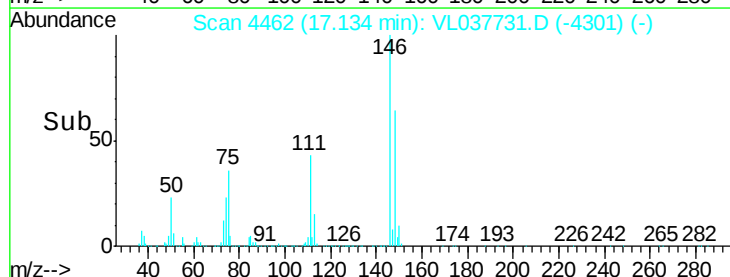
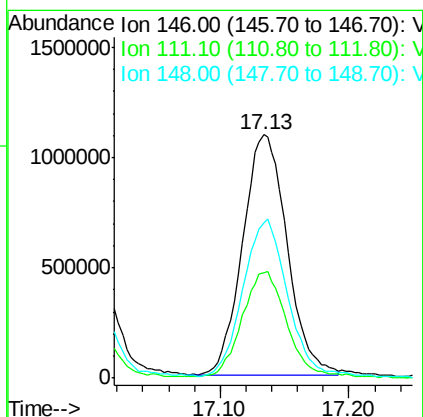
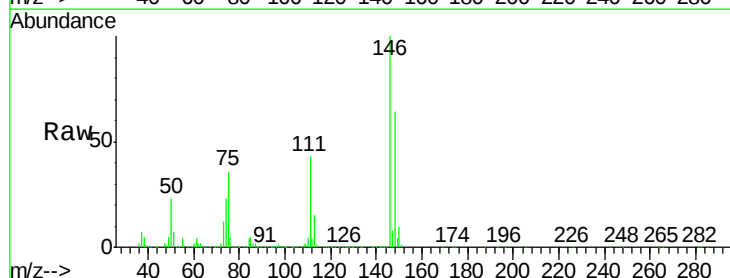
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

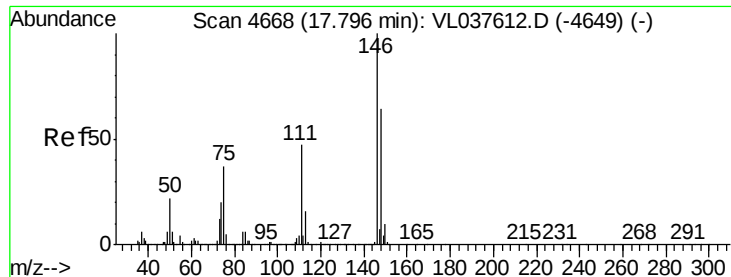
Tgt Ion:146 Resp: 2730788
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.8 68.3
 148 64.3 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 7.925 ppbv
 RT: 17.13 min Scan# 4462
 Delta R.T. 0.02 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

Tgt Ion:146 Resp: 2612989
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.5 67.5
 148 68.0 32.9 98.6

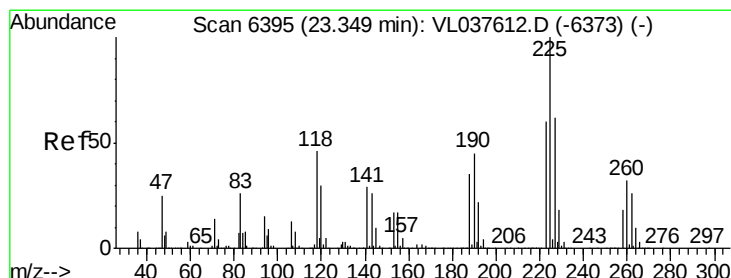
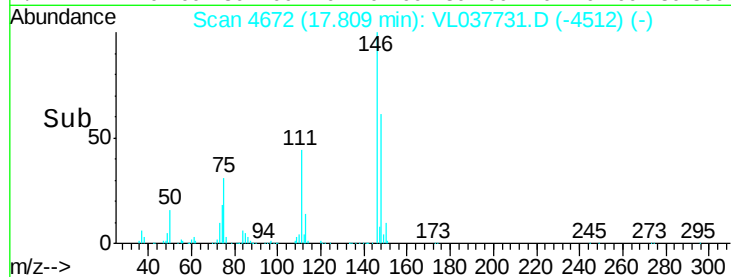
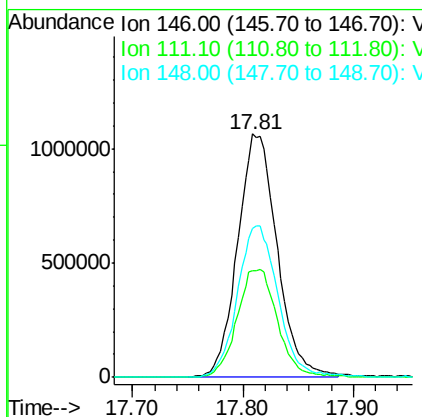
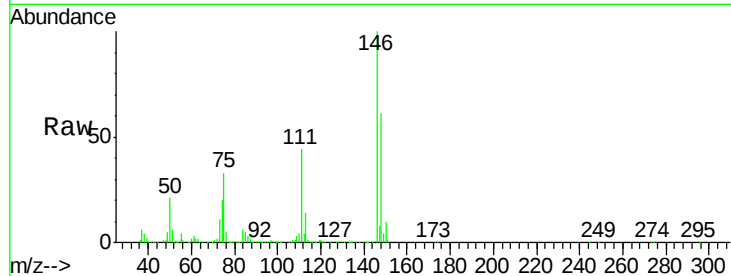




#77
 1,2-Dichlorobenzene
 Concen: 8.320 ppbv
 RT: 17.81 min Scan# 4672
 Delta R.T. 0.01 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

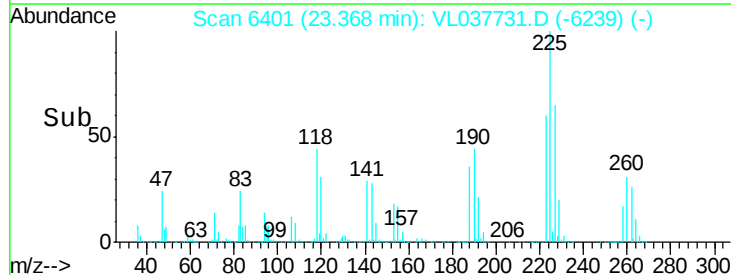
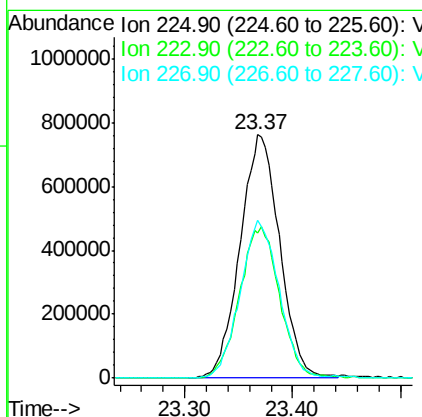
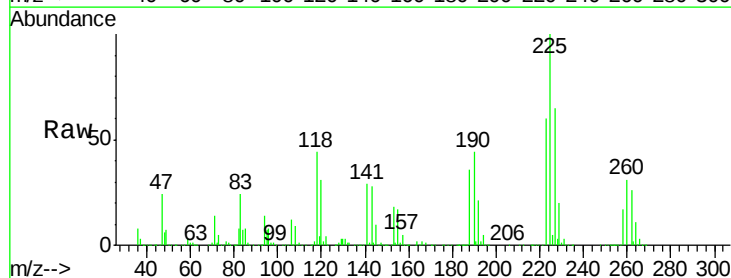
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

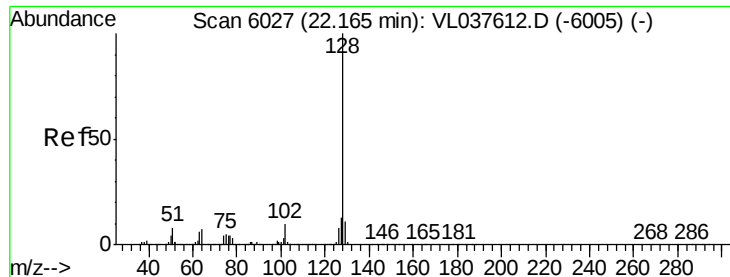
Tgt Ion:146 Resp: 2637830
 Ion Ratio Lower Upper
 146 100
 111 45.8 24.0 72.0
 148 63.6 32.8 98.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.296 ppbv
 RT: 23.37 min Scan# 6401
 Delta R.T. 0.02 min
 Lab File: VL037731.D
 Acq: 29 Sep 2021 14:39

Tgt Ion:225 Resp: 1946963
 Ion Ratio Lower Upper
 225 100
 223 63.6 51.1 76.7
 227 64.7 52.2 78.4





#79

Naphthalene

Concen: 9.925 ppbv

RT: 22.19 min Scan# 6035

Delta R.T. 0.03 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

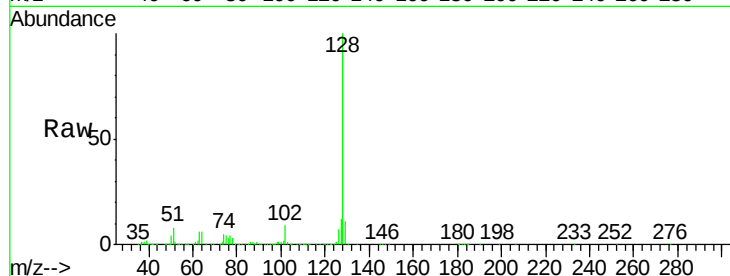
Tgt Ion:128 Resp: 3278840

Ion Ratio Lower Upper

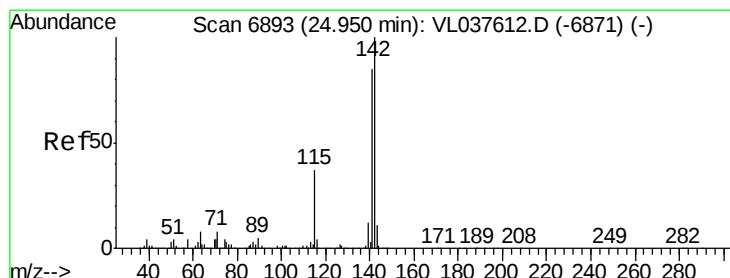
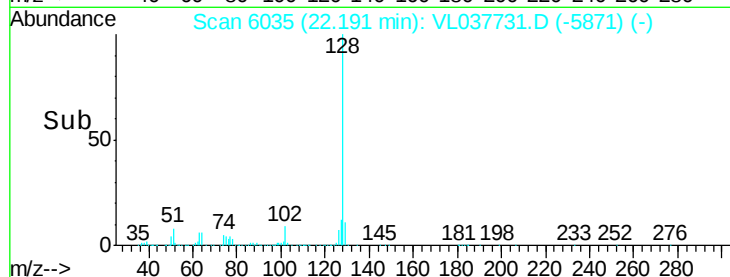
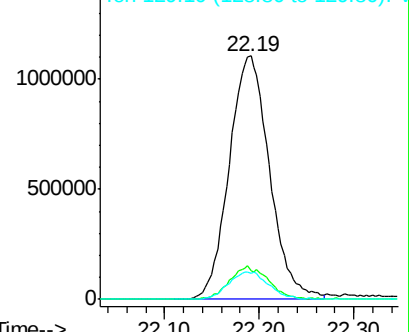
128 100

127 11.9 10.6 16.0

129 10.6 8.6 12.8



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.366 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. 0.02 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

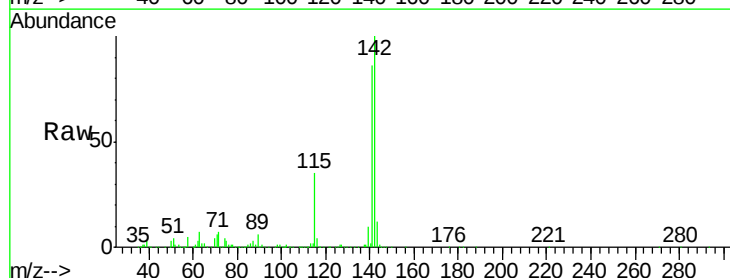
Tgt Ion:142 Resp: 858296

Ion Ratio Lower Upper

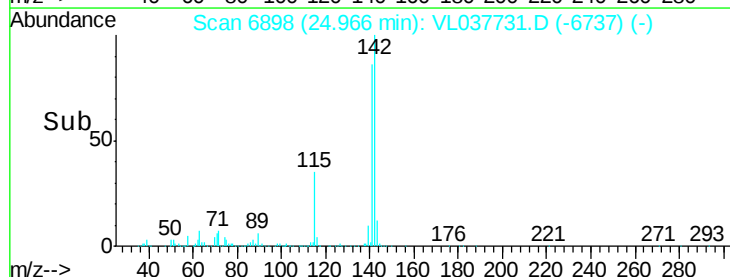
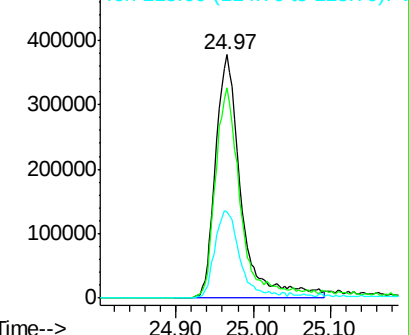
142 100

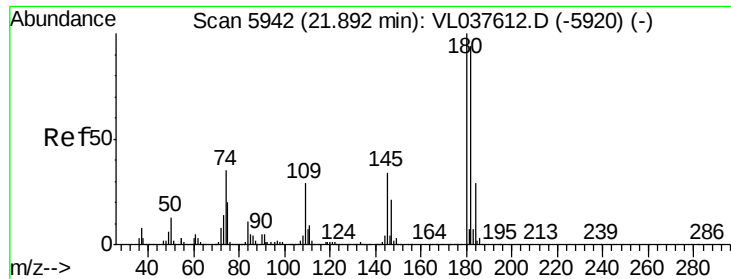
141 85.5 70.9 106.3

115 35.4 29.6 44.4



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: 9.210 ppbv

RT: 21.92 min Scan# 5950

Delta R.T. 0.03 min

Lab File: VL037731.D

Acq: 29 Sep 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

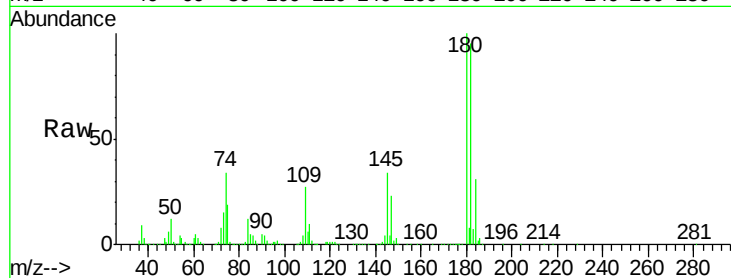
Tgt Ion:180 Resp: 1953580

Ion Ratio Lower Upper

180 100

182 98.9 78.9 118.3

184 31.6 24.7 37.1



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

