

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
 Data File : VL036729.D
 Acq On : 7 Apr 2021 16:05
 Operator : SY/AP
 Sample : VL0407ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Quant Time: Apr 08 02:41:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 08 01:58:43 2021
 QLast Update : Thu Apr 08 01:58:43 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1353255	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3440708	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3905068	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2495378	8.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2129552	9.648 ppbv	97
3) Chlorodifluoromethane	2.99	51	2477269	9.798 ppbv	100
4) Chloromethane	3.14	50	860568	9.636 ppbv	97
5) Vinyl Chloride	3.26	62	848316	9.238 ppbv	99
6) Bromomethane	3.47	94	499791	9.886 ppbv	97
7) Chloroethane	3.56	64	304879	9.662 ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2046533	9.715 ppbv	97
9) Propene	3.01	41	835040	10.360 ppbv	98
10) Heptane	8.13	43	2103601	10.244 ppbv	100
11) Trichlorofluoromethane	3.95	101	2054522	9.134 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1378907	9.588 ppbv	100
13) Ethanol	3.61	45	89941	9.370 ppbv	85
14) Bromoethene	3.74	108	599773	10.032 ppbv	100
15) Acetone	3.85	43	1228903	9.227 ppbv	100
16) 1,3-Butadiene	3.33	39	899236	9.697 ppbv	99
17) tert-Butyl alcohol	4.29	59	1245887	10.745 ppbv	100
18) 1,1-Dichloroethene	4.29	96	606688	9.484 ppbv	97
19) Isopropyl Alcohol	3.97	45	736086	10.046 ppbv	# 96
20) Methylene Chloride	4.34	84	544746	8.735 ppbv	98
21) Allyl Chloride	4.41	41	1054600	9.933 ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	561484	9.467 ppbv	94
23) Vinyl Acetate	5.07	43	2447376	10.742 ppbv	99
24) 1,1-Dichloroethane	5.01	63	1671552	10.066 ppbv	99
25) Ethyl Acetate	5.68	43	3198462	10.101 ppbv	99
26) Hexane	5.69	57	1506537	10.252 ppbv	99
27) Carbon Disulfide	4.55	76	1521266	10.509 ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1819138	10.497 ppbv	100
29) Chloroform	5.75	83	2345098	9.979 ppbv	97
30) Cyclohexane	7.13	84	1262335	10.592 ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1462988	10.293 ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	2371761	10.014 ppbv	99
34) 2-Butanone	5.25	43	1591485	9.476 ppbv	98
35) Carbon Tetrachloride	7.02	117	2479319	9.382 ppbv	97
36) Benzene	6.90	78	3119296	9.830 ppbv	97
37) 1,2-Dichloroethane	6.31	62	1771404	9.485 ppbv	100
38) Trichloroethene	7.84	130	1149890	9.311 ppbv	98
39) 1,2-Dichloropropane	7.62	63	1228806	9.546 ppbv	98
40) 1,4-Dioxane	7.84	88	287607	9.600 ppbv	98
41) Tetrahydrofuran	6.05	42	770858	9.954 ppbv	95
42) Bromodichloromethane	7.80	83	2517599	9.910 ppbv	98
43) Methyl Methacrylate	8.02	69	1145725	10.752 ppbv	97

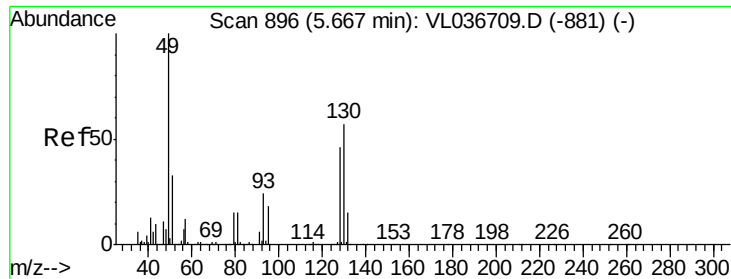
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
 Data File : VL036729.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5283568	9.460	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1308726	10.756	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1643811	10.569	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	1259802	9.662	ppbv	96
48) Dibromochloromethane	10.31	129	2084246	10.487	ppbv	100
49) Bromoform	13.05	173	1719074	10.735	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2428081	9.991	ppbv	99
51) 2-Hexanone	10.14	43	1301427	10.612	ppbv #	100
52) Tetrachloroethene	11.23	164	1053370	9.015	ppbv	98
53) Toluene	9.81	91	3515517	10.403	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1835013	9.966	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1405334	7.956	ppbv	97
57) Chlorobenzene	12.16	112	2597794	7.818	ppbv	99
58) Ethyl Benzene	12.72	91	4693399	8.261	ppbv	99
59) m/p-Xylene	13.00	91	4070066	8.213	ppbv #	34
60) o-Xylene	13.70	91	3723938	7.772	ppbv	99
61) Styrene	13.54	104	2192819	9.097	ppbv	99
62) Isopropylbenzene	14.68	105	5031592	7.798	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	2714147	7.426	ppbv	99
64) n-propylbenzene	15.57	120	1331981	8.443	ppbv	100
65) tert-Butylbenzene	16.75	119	4398633	7.862	ppbv	100
66) Benzyl Chloride	17.00	91	532188	8.605	ppbv	99
67) sec-Butylbenzene	17.30	105	6223269	7.880	ppbv	100
69) p-Isopropyltoluene	17.66	119	5129944	8.318	ppbv	99
70) n-Butylbenzene	18.56	91	5264094	8.232	ppbv	100
71) 2-Chlorotoluene	15.46	91	3926034	8.120	ppbv	99
72) 4-Ethyltoluene	15.85	105	4448089	8.472	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4033582	8.231	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	4123671	7.864	ppbv	99
75) 1,3-Dichlorobenzene	17.01	146	2383049	8.074	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2337678	7.977	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	2298660	8.285	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	1740742	7.006	ppbv	99
79) Naphthalene	22.21	128	2800370	9.152	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	397414	6.586	ppbv	96
81) 1,2,4-Trichlorobenzene	21.94	180	1634986	8.654	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

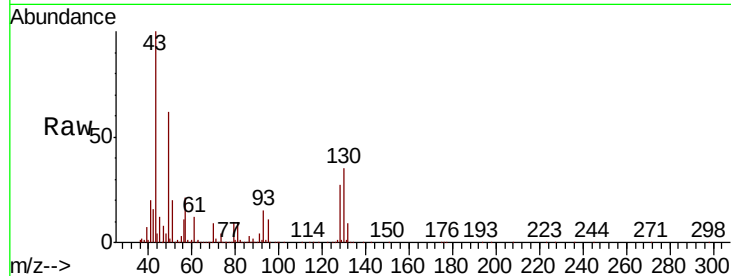
Tot Ion: 49 Resp: 1353255

Ion Ratio Lower Upper

49 100

128 48.6 23.5 70.6

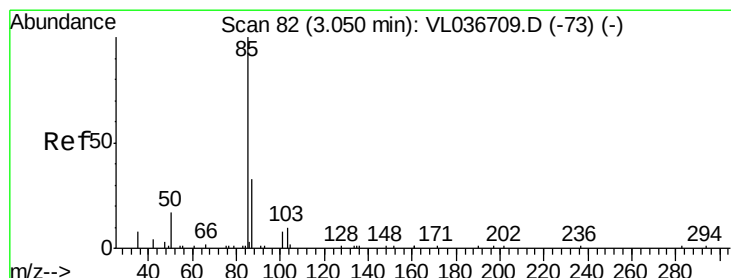
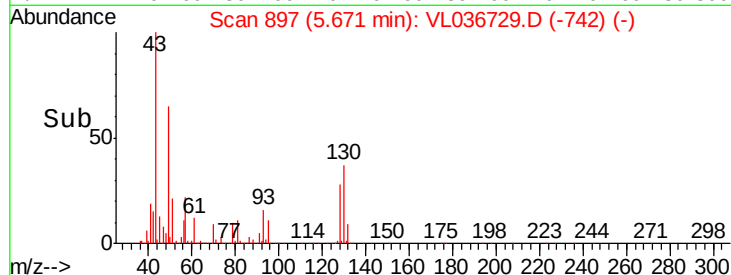
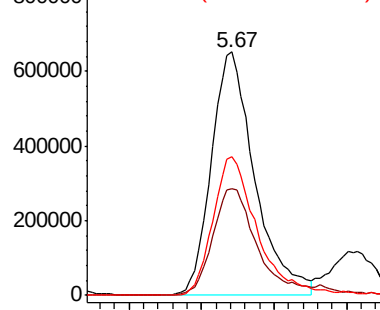
130 59.1 29.1 87.4



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: 9.648 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036729.D

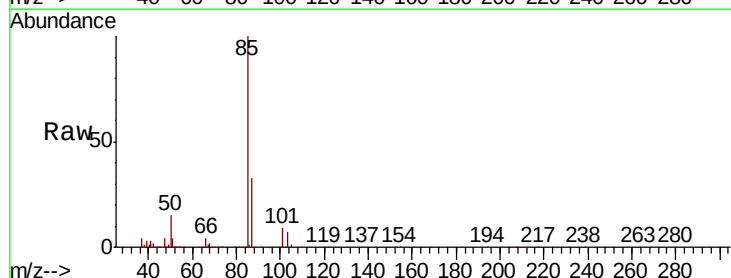
Acq: 7 Apr 2021 16:05

Tgt Ion: 85 Resp: 2129552

Ion Ratio Lower Upper

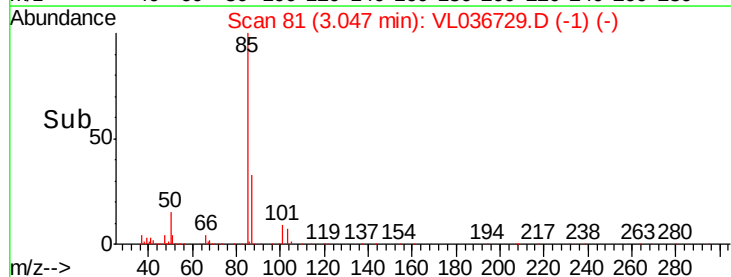
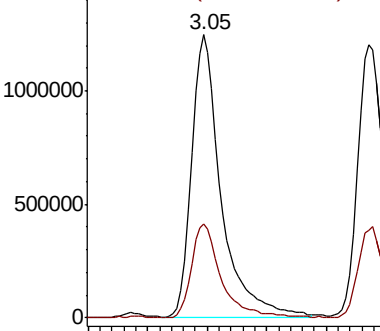
85 100

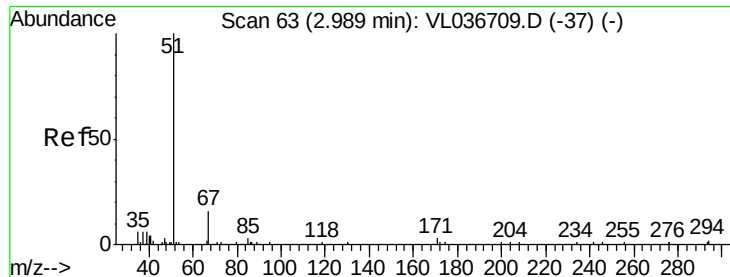
87 33.1 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.798 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

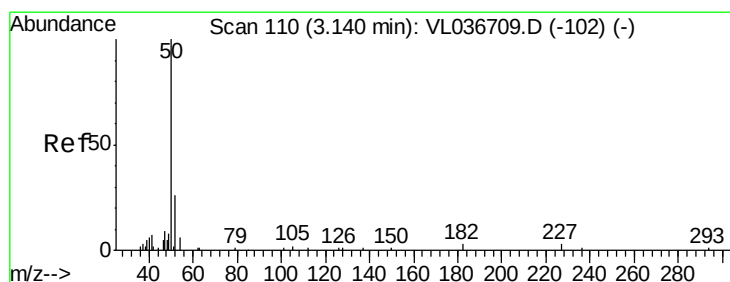
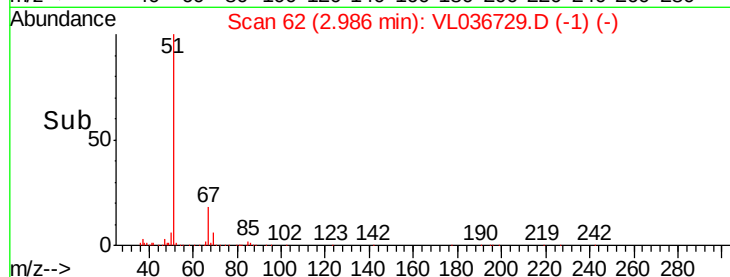
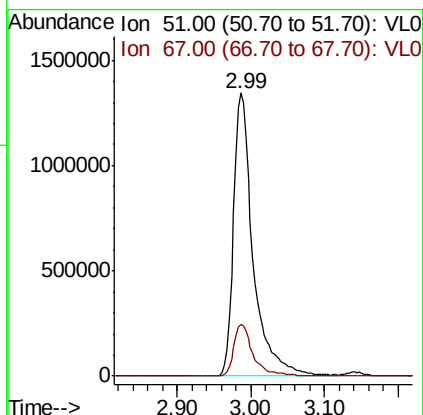
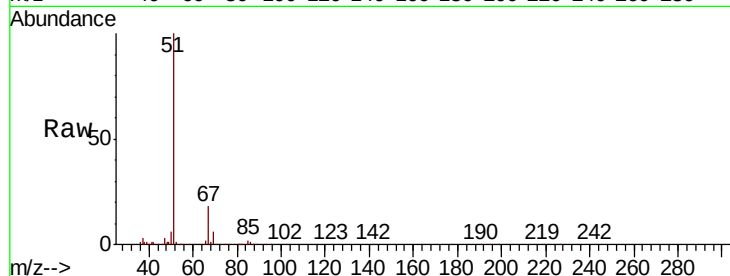
VL0407ABS01

Tot Ion: 51 Resp: 2477269

Ion Ratio Lower Upper

51 100

67 18.3 14.7 22.1



#4

Chloromethane

Concen: 9.636 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL036729.D

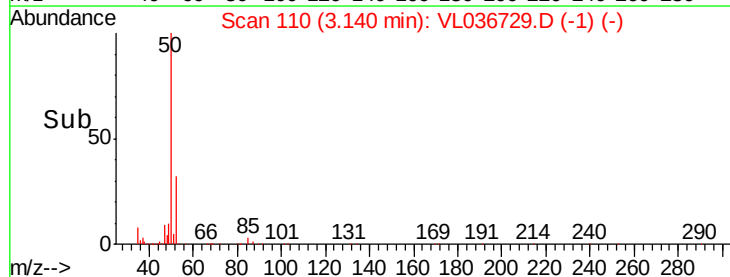
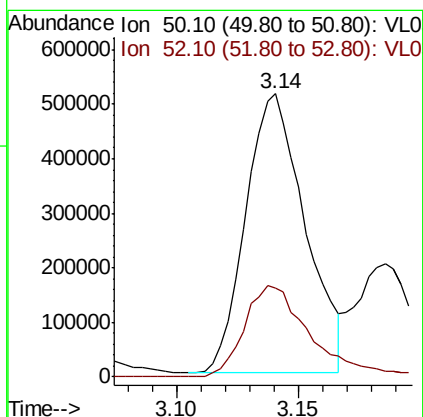
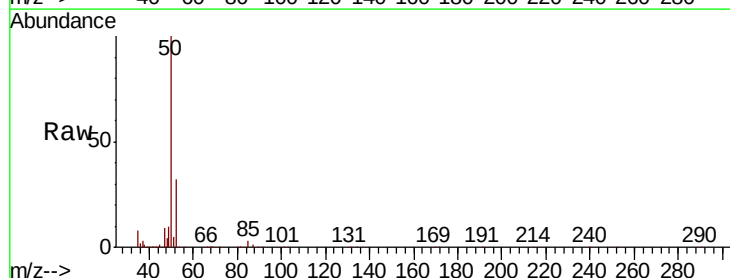
Acq: 7 Apr 2021 16:05

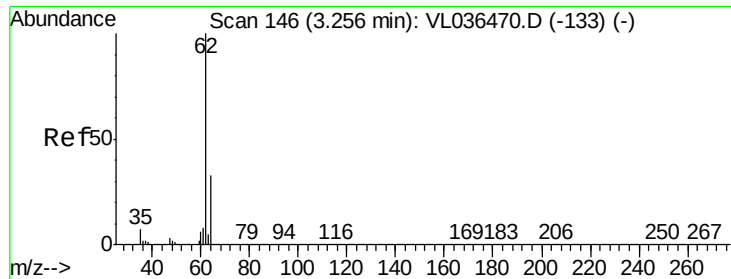
Tgt Ion: 50 Resp: 860568

Ion Ratio Lower Upper

50 100

52 31.9 27.0 40.6





#5

Vinyl Chloride

Concen: 9.238 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleID :

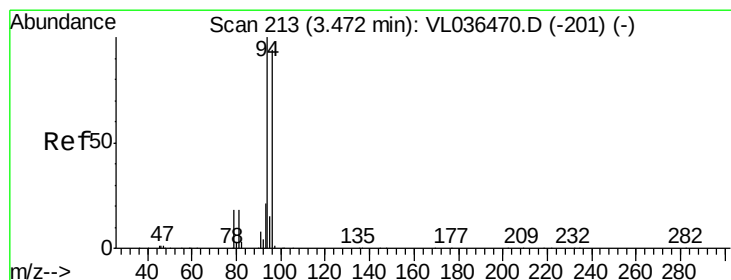
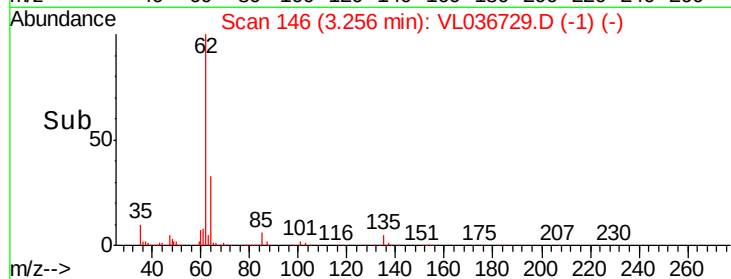
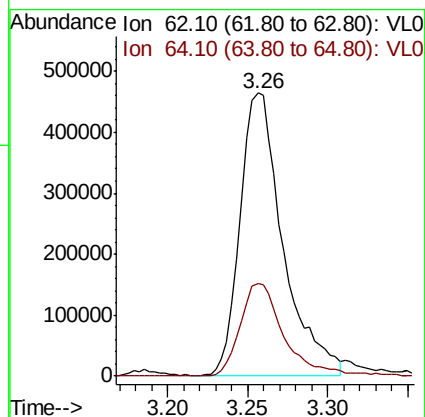
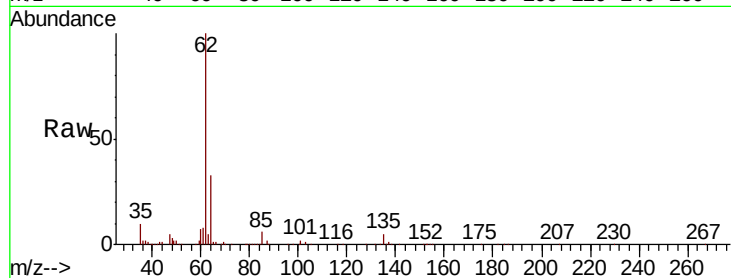
VL0407ABS01

Tot Ion: 62 Resp: 848316

Ion Ratio Lower Upper

62 100

64 32.6 26.4 39.6



#6

Bromomethane

Concen: 9.886 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL036729.D

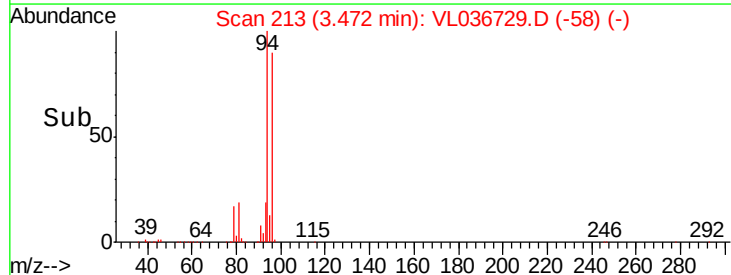
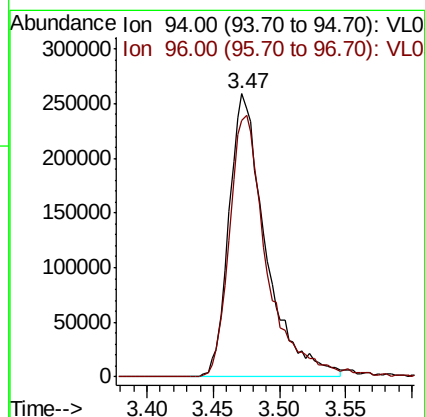
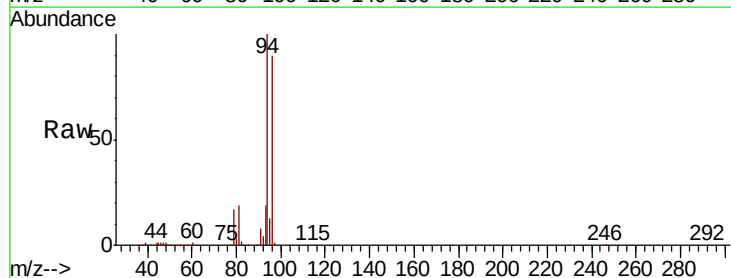
Acq: 7 Apr 2021 16:05

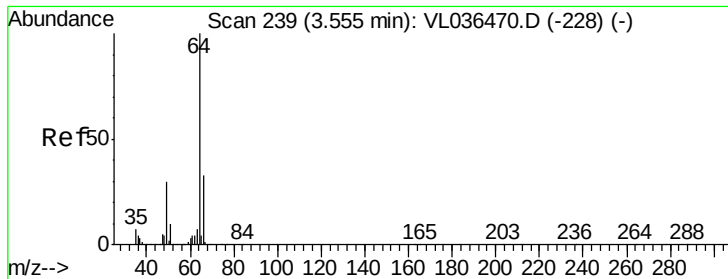
Tgt Ion: 94 Resp: 499791

Ion Ratio Lower Upper

94 100

96 90.5 74.9 112.3





#7

Chloroethane

Concen: 9.662 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

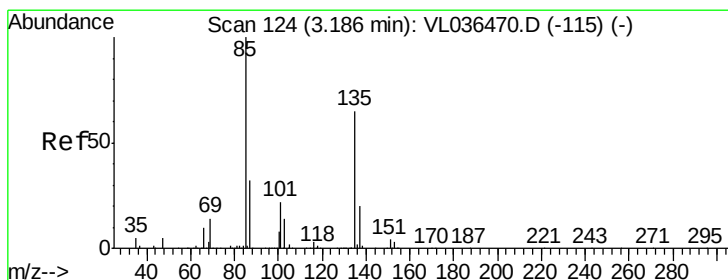
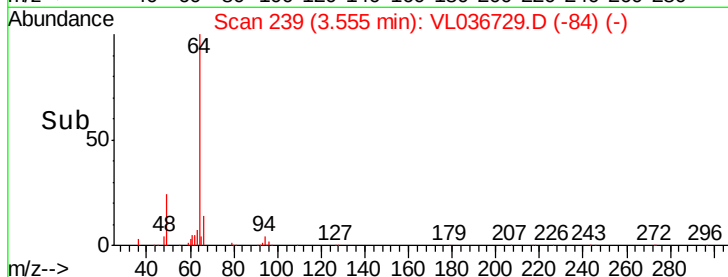
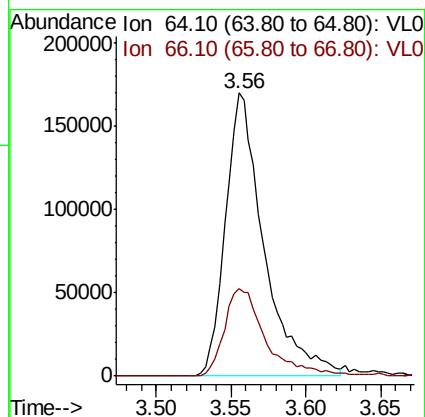
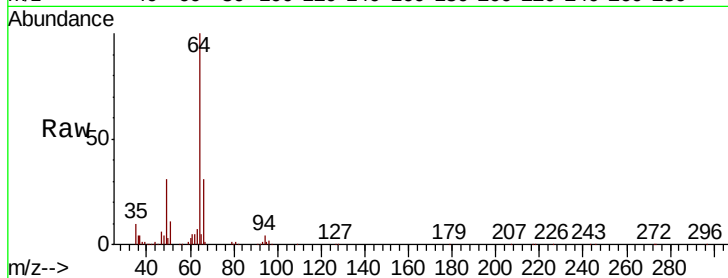
VL0407ABS01

Tot Ion: 64 Resp: 304879

Ion Ratio Lower Upper

64 100

66 30.9 26.2 39.2



#8

Dichlorotetrafluoroethane

Concen: 9.715 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL036729.D

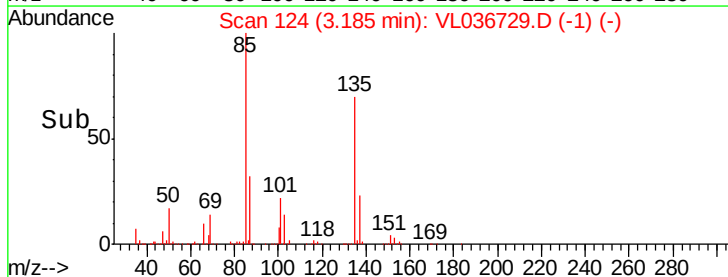
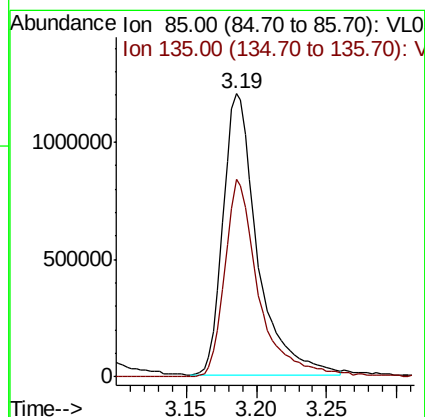
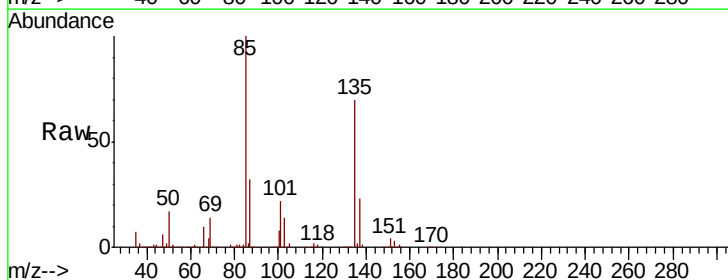
Acq: 7 Apr 2021 16:05

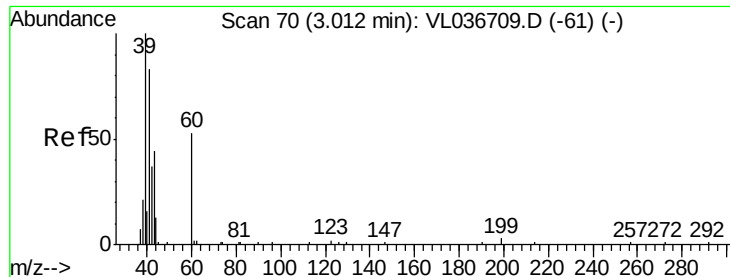
Tgt Ion: 85 Resp: 2046533

Ion Ratio Lower Upper

85 100

135 70.3 54.3 81.5





#9

Propene

Concen: 10.360 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

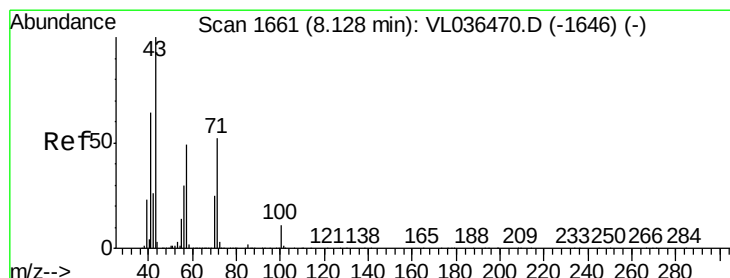
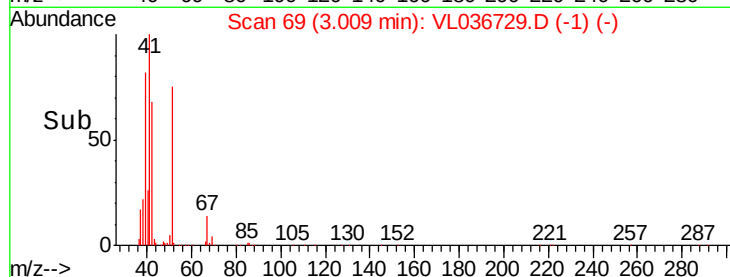
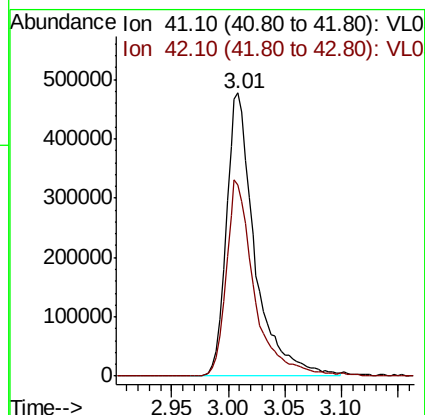
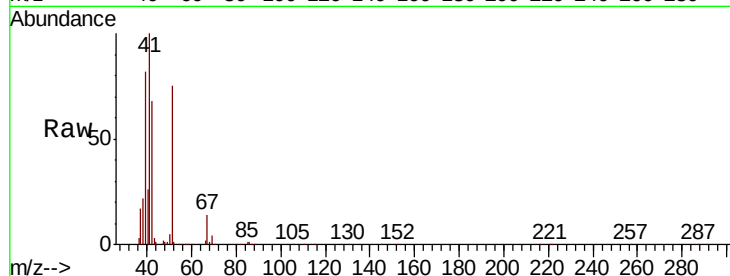
VL0407ABS01

Tot Ion: 41 Resp: 835040

Ion Ratio Lower Upper

41 100

42 69.2 57.0 85.4



#10

Heptane

Concen: 10.244 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL036729.D

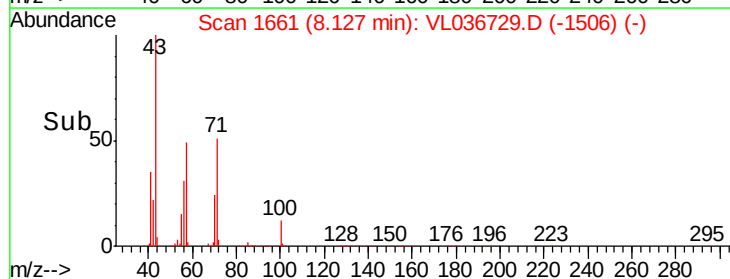
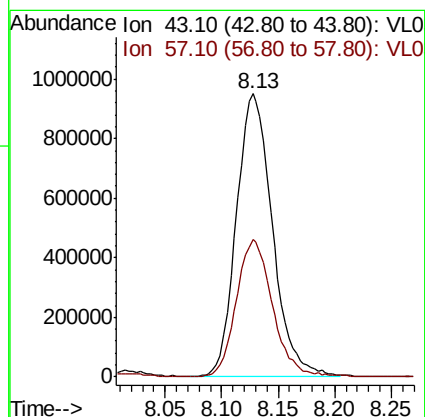
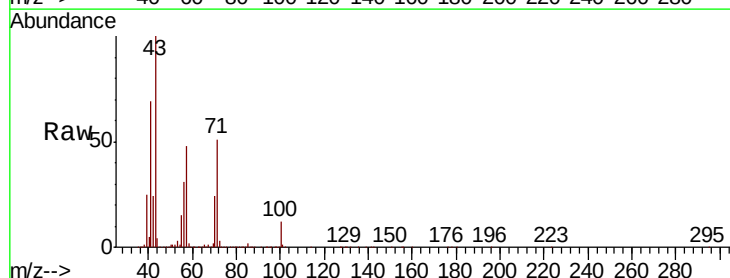
Acq: 7 Apr 2021 16:05

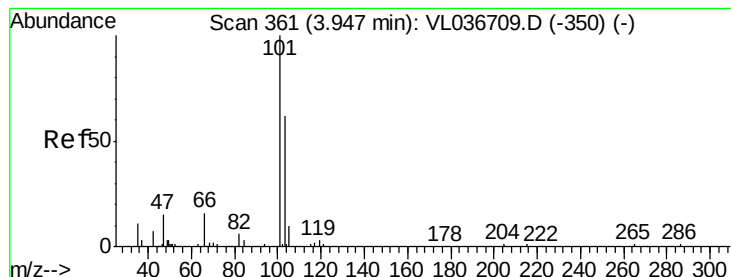
Tgt Ion: 43 Resp: 2103601

Ion Ratio Lower Upper

43 100

57 48.8 39.0 58.6





#11

Trichlorofluoromethane

Concen: 9.134 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

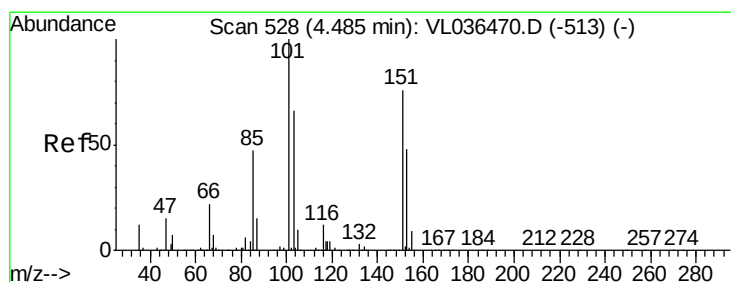
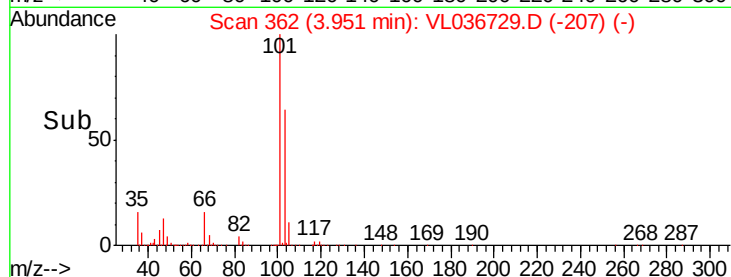
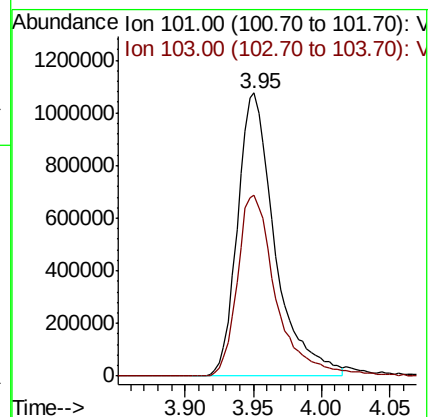
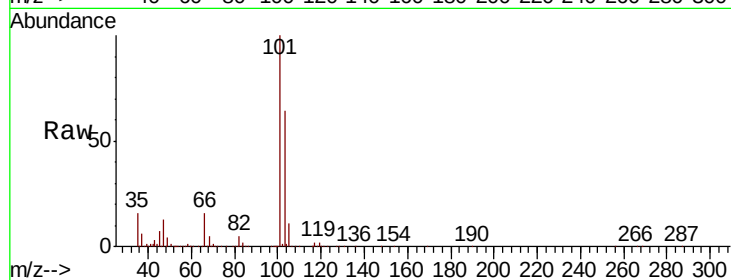
VL0407ABS01

Tot Ion:101 Resp: 2054522

Ion Ratio Lower Upper

101 100

103 64.0 52.5 78.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.588 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL036729.D

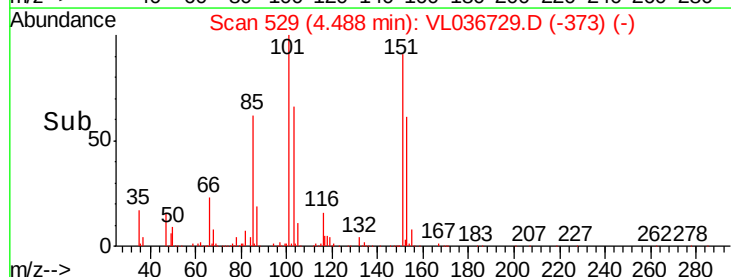
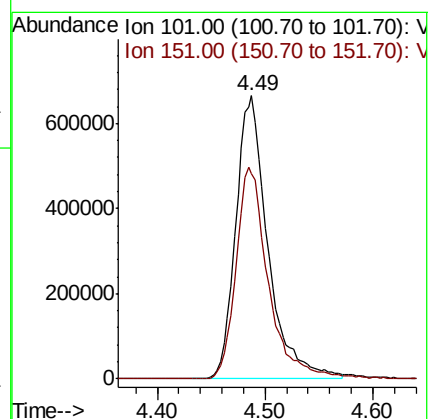
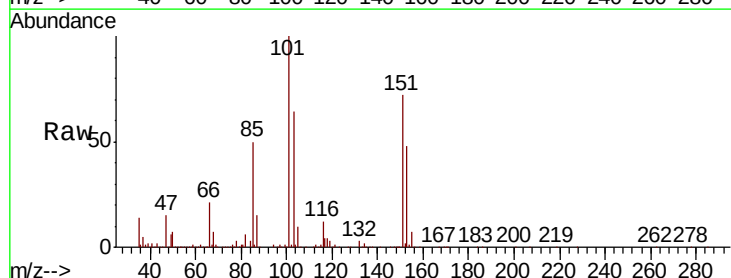
Acq: 7 Apr 2021 16:05

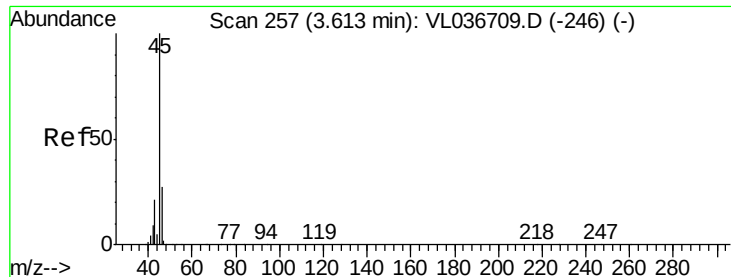
Tgt Ion:101 Resp: 1378907

Ion Ratio Lower Upper

101 100

151 75.9 60.9 91.3





#13

Ethanol

Concen: 9.370 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

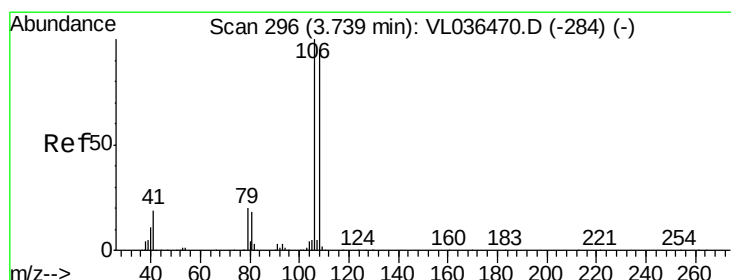
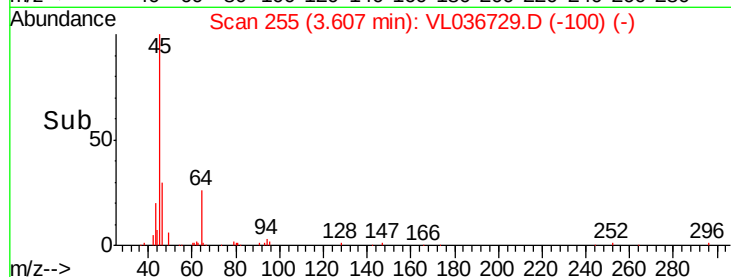
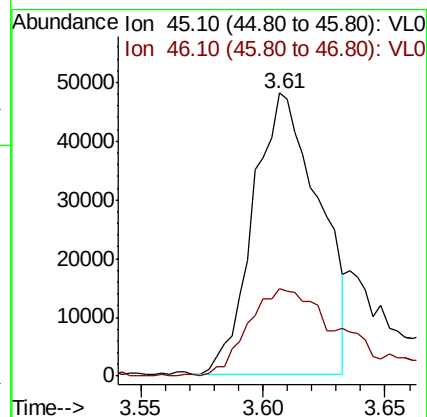
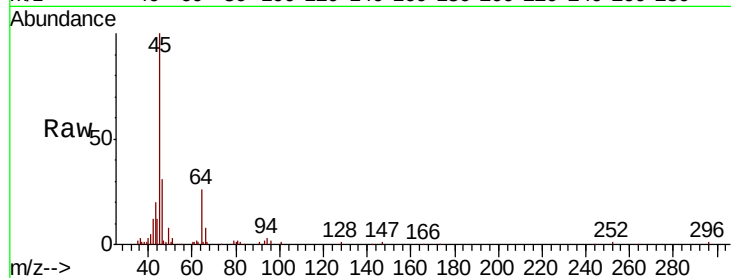
VL0407ABS01

Tot Ion: 45 Resp: 89941

Ion Ratio Lower Upper

45 100

46 51.1 16.6 66.2



#14

Bromoethene

Concen: 10.032 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

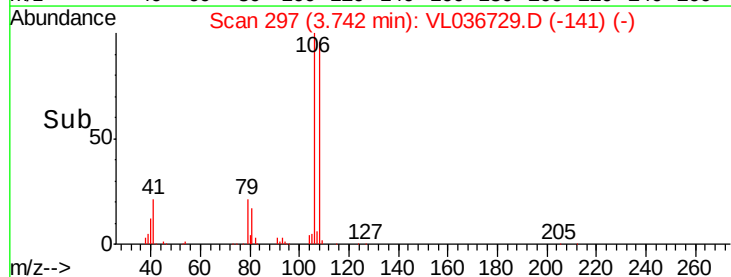
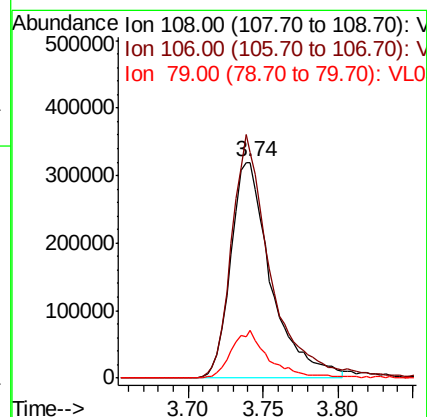
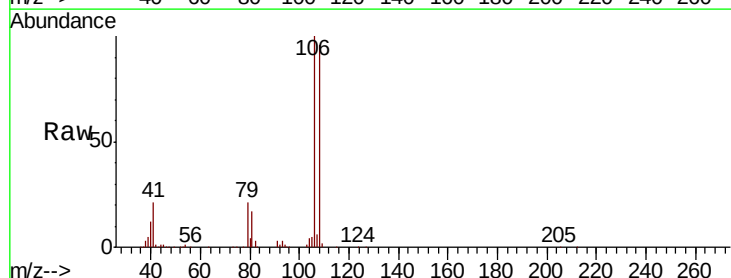
Tgt Ion: 108 Resp: 599773

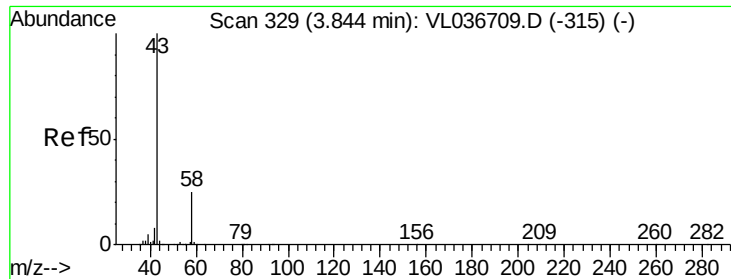
Ion Ratio Lower Upper

108 100

106 110.9 89.0 133.6

79 21.3 16.6 25.0

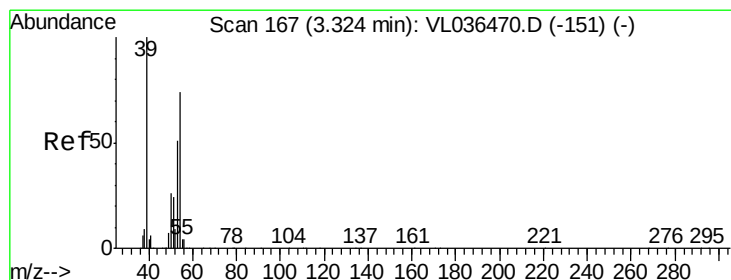
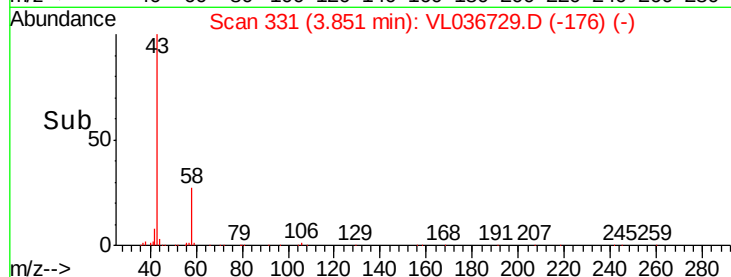
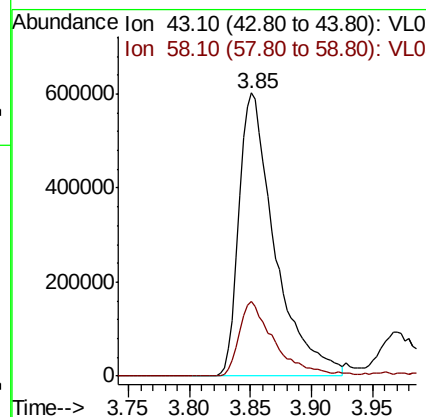
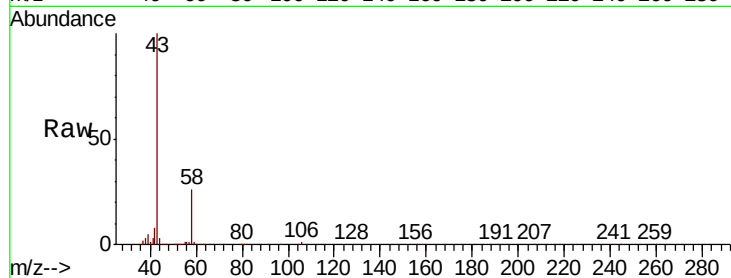




#15
Acetone
Concen: 9.227 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

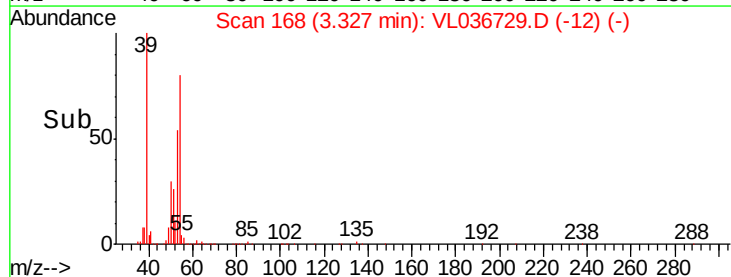
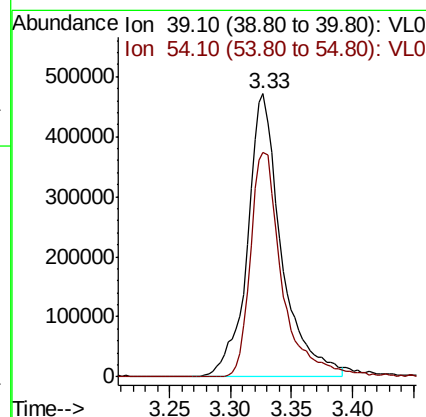
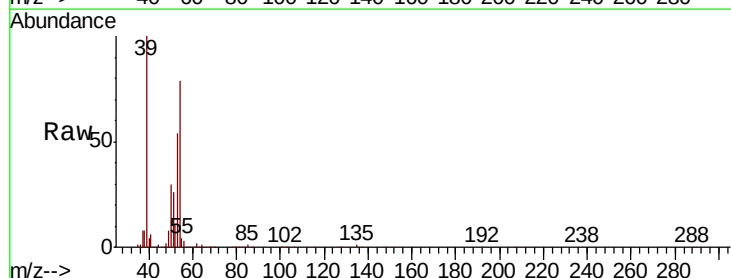
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

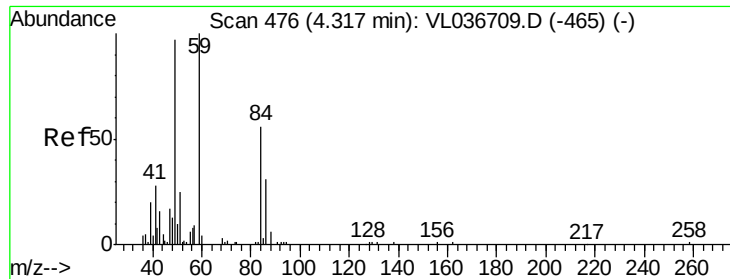
Tot Ion: 43 Resp: 1228903
Ion Ratio Lower Upper
43 100
58 26.3 21.2 31.8



#16
1,3-Butadiene
Concen: 9.697 ppbv
RT: 3.33 min Scan# 168
Delta R.T. 0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion: 39 Resp: 899236
Ion Ratio Lower Upper
39 100
54 74.8 58.8 88.2





#17

tert-Butyl alcohol

Concen: 10.745 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

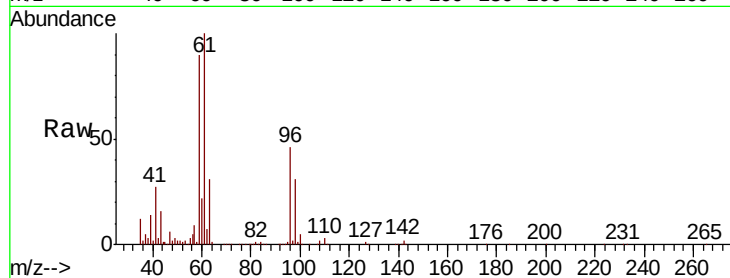
VL0407ABS01

Tot Ion: 59 Resp: 1245887

Ion Ratio Lower Upper

59 100

57 10.8 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

600000

500000

400000

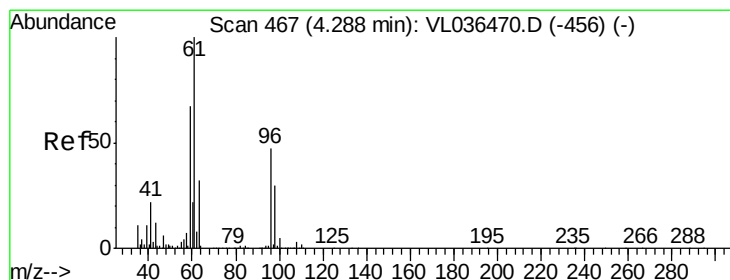
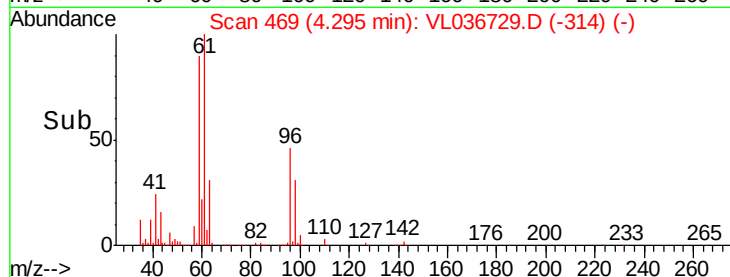
300000

200000

100000

0

Time--> 4.20 4.25 4.30 4.35 4.40



#18

1,1-Dichloroethene

Concen: 9.484 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

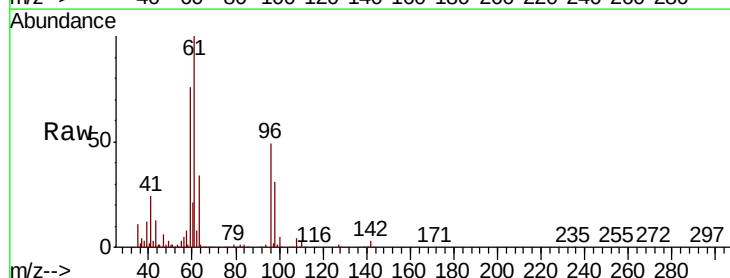
Tgt Ion: 96 Resp: 606688

Ion Ratio Lower Upper

96 100

61 205.8 168.6 253.0

98 64.0 50.8 76.2



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

800000

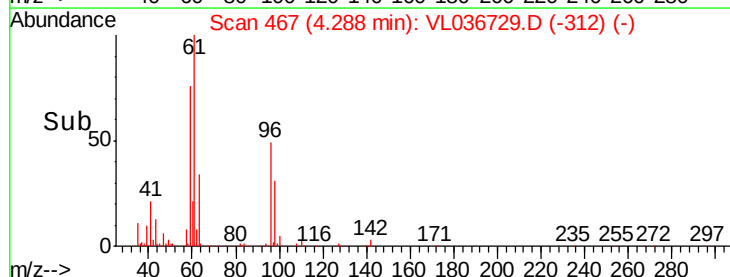
600000

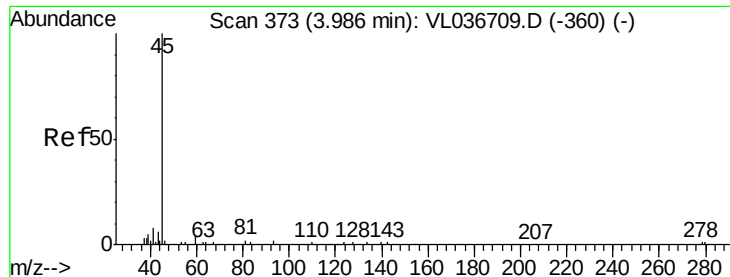
400000

200000

0

Time--> 4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 10.046 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

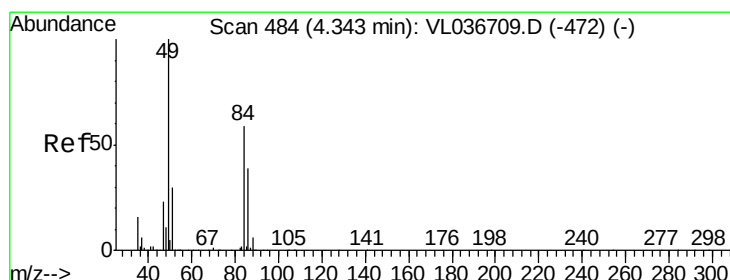
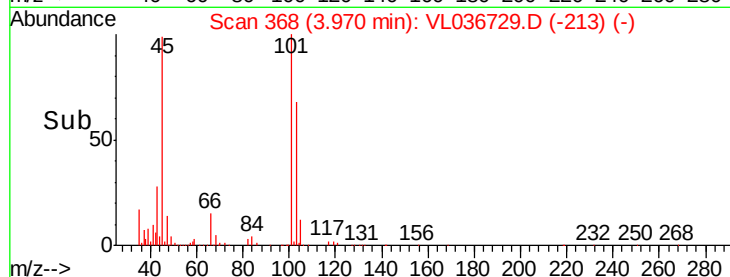
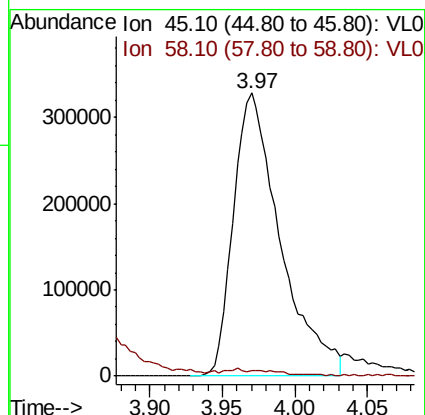
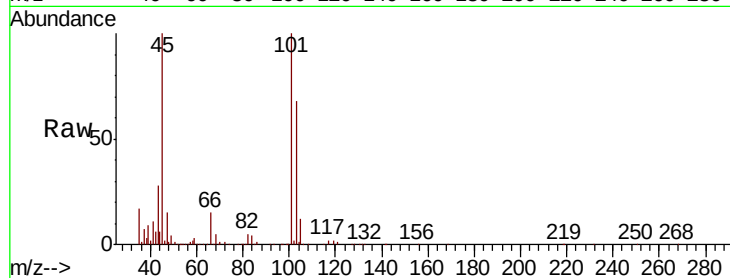
VL0407ABS01

Tot Ion: 45 Resp: 736086

Ion Ratio Lower Upper

45 100

58 2.4 2.9 4.3#



#20

Methylene Chloride

Concen: 8.735 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Tgt Ion: 84 Resp: 544746

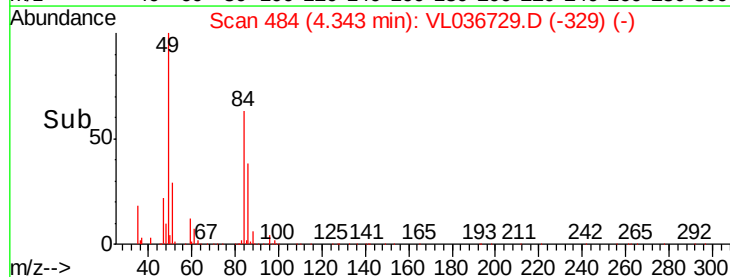
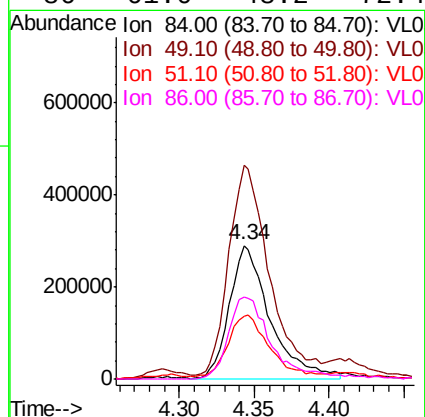
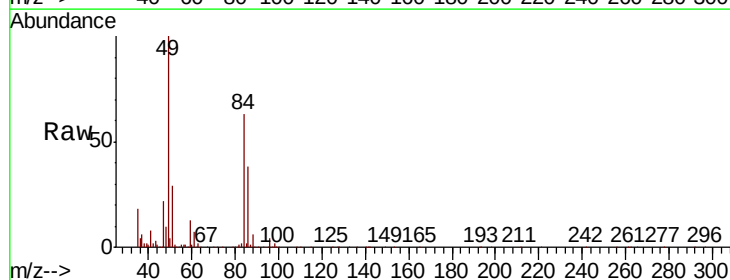
Ion Ratio Lower Upper

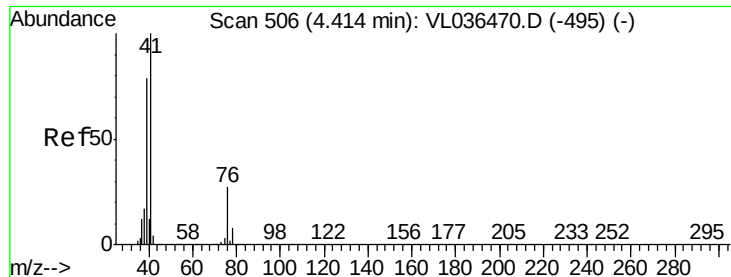
84 100

49 156.9 122.9 184.3

51 44.8 36.9 55.3

86 61.0 48.2 72.4

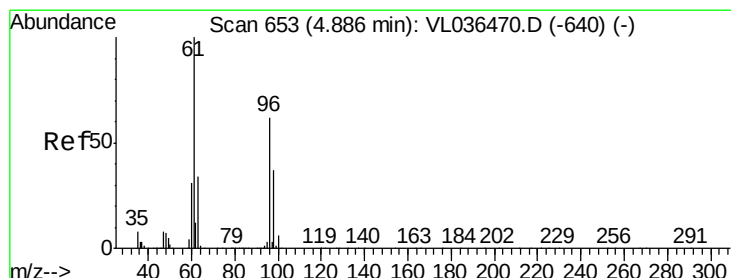
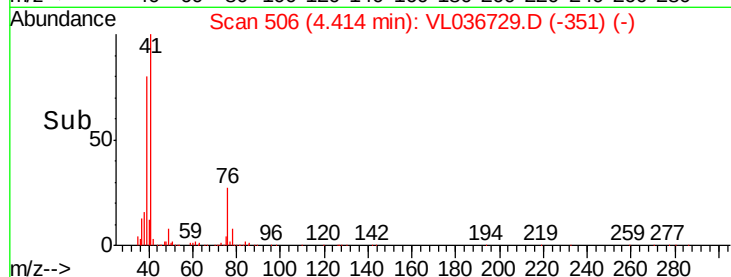
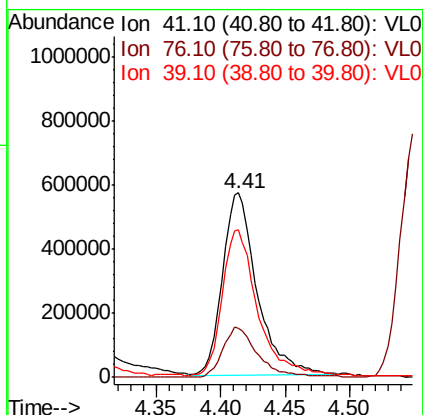
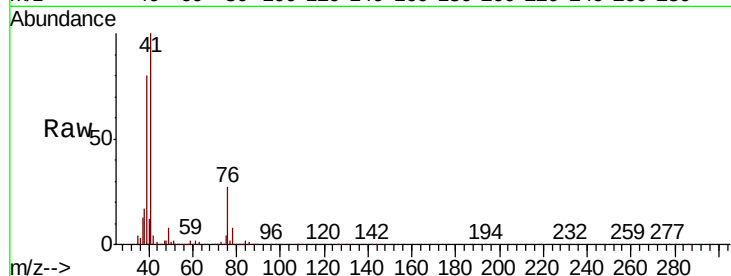




#21
Allvl Chloride
Concen: 9.933 ppbv
RT: 4.41 min Scan# 506
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

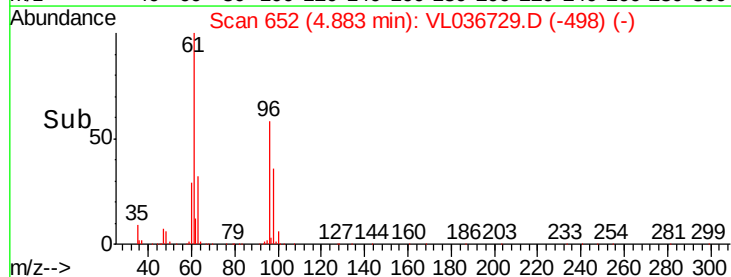
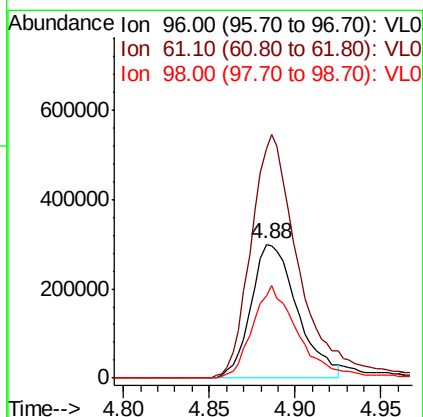
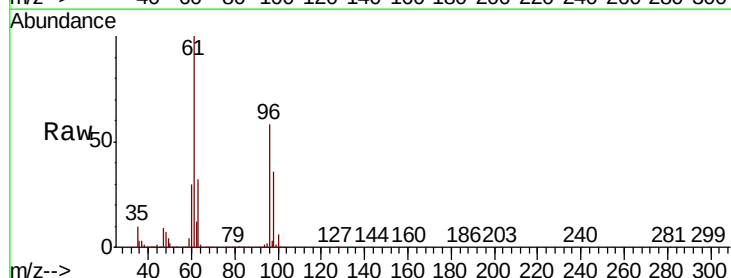
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

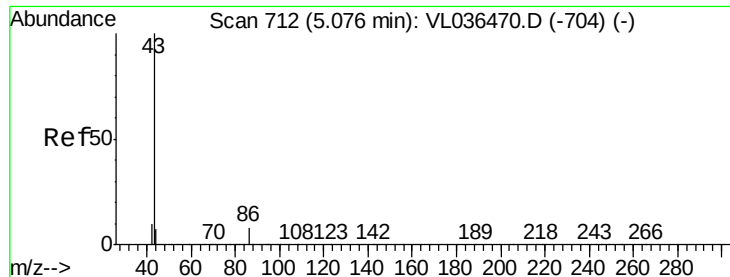
Tot Ion: 41 Resp: 1054600
Ion Ratio Lower Upper
41 100
76 28.5 22.9 34.3
39 83.6 67.3 100.9



#22
trans-1,2-Dichloroethene
Concen: 9.467 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion: 96 Resp: 561484
Ion Ratio Lower Upper
96 100
61 171.3 129.4 194.0
98 61.1 48.2 72.4



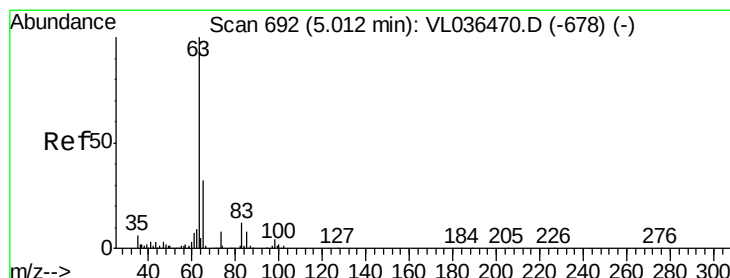
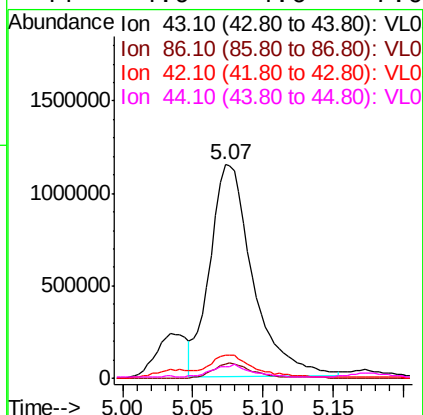
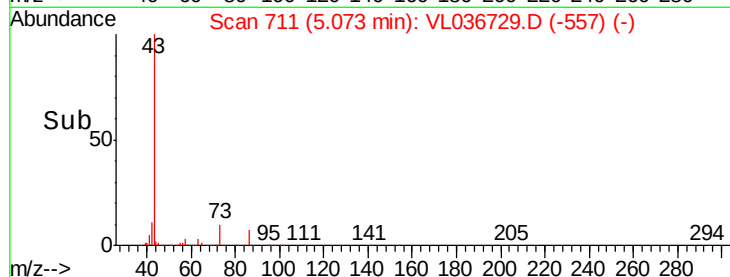
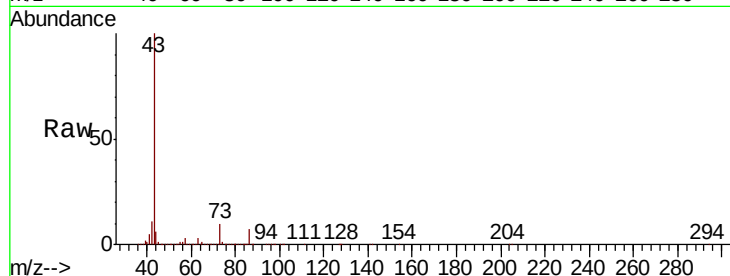


#23
 Vinyl Acetate
 Concen: 10.742 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion: 43 Resp: 2447376

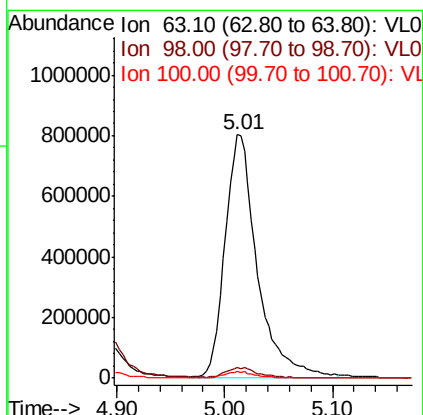
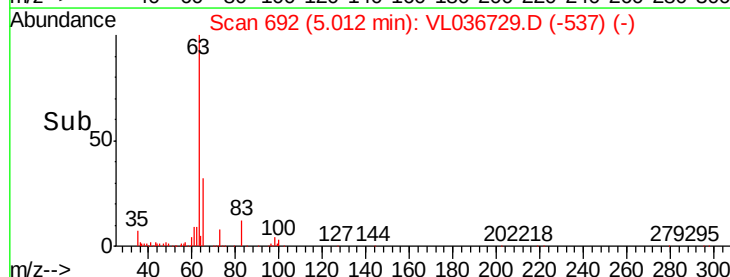
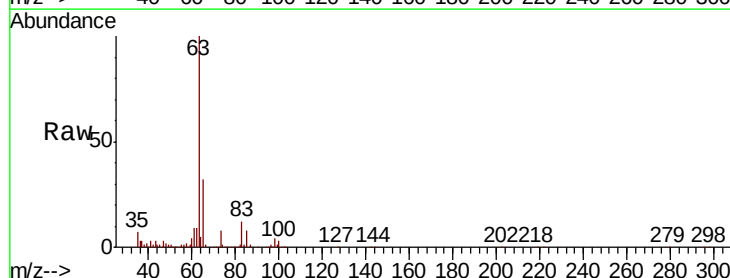
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.4	8.0
42	11.0	8.5	12.7
44	4.9	4.6	7.0

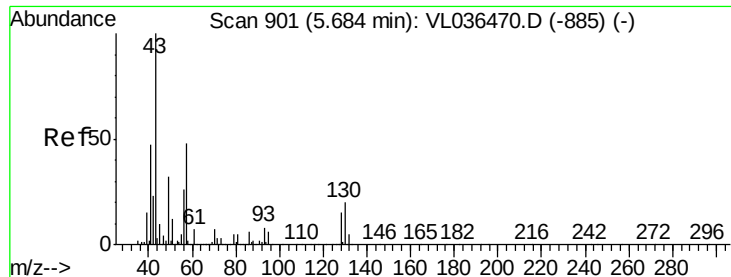


#24
 1,1-Dichloroethane
 Concen: 10.066 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. -0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Tgt Ion: 63 Resp: 1671552

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.2
100	2.7	0.9	2.8





#25

Ethyl Acetate

Concen: 10.101 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 43 Resp: 3198462

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.7	7.4	11.2
70	6.6	5.1	7.7

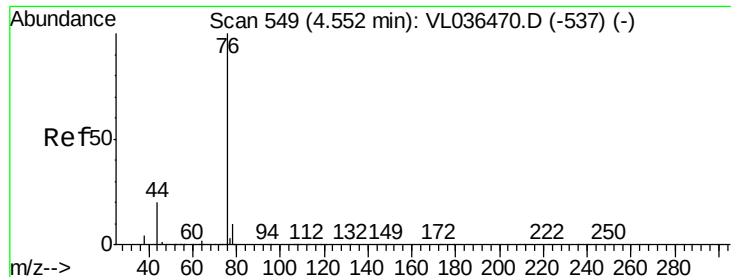
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#27

Carbon Disulfide

Concen: 10.509 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

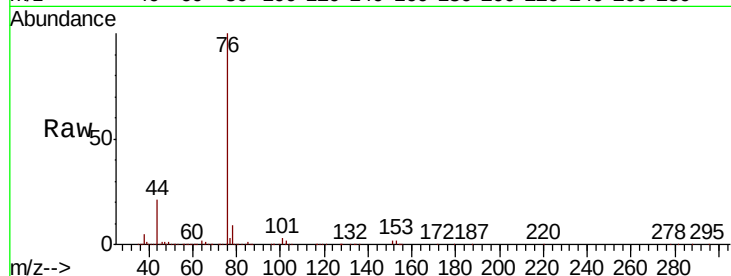
MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 76 Resp: 1521266

Ion	Ratio	Lower	Upper
76	100		
44	21.3	17.5	26.3
78	9.4	8.6	13.0

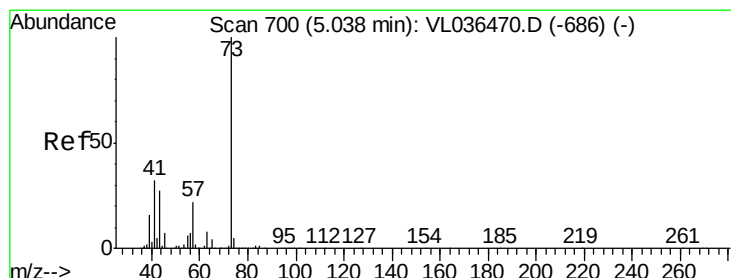
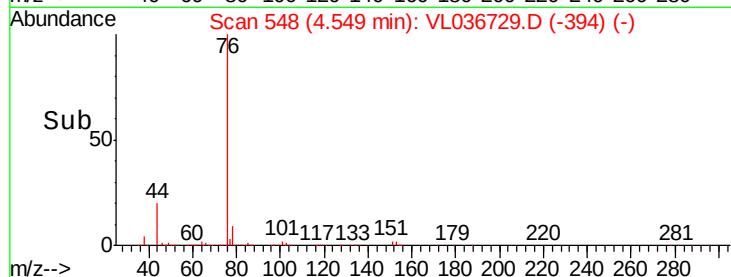
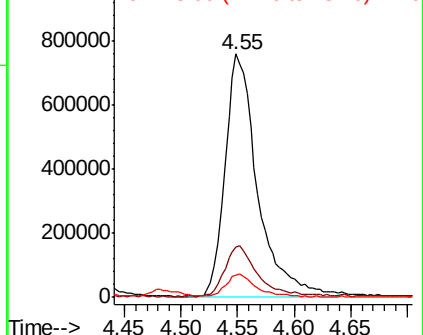


Abundance

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: 10.497 ppbv

RT: 5.03 min Scan# 699

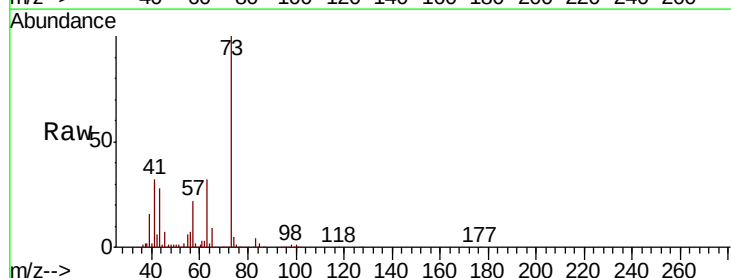
Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Tgt Ion: 73 Resp: 1819138

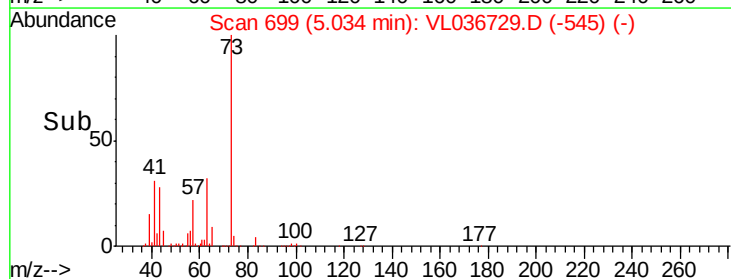
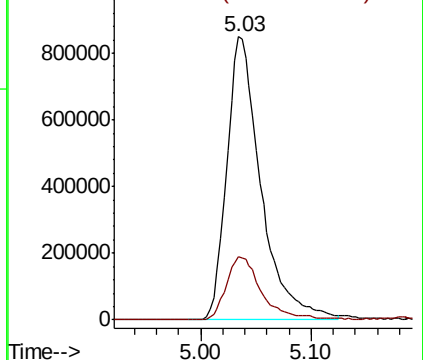
Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.5	27.7

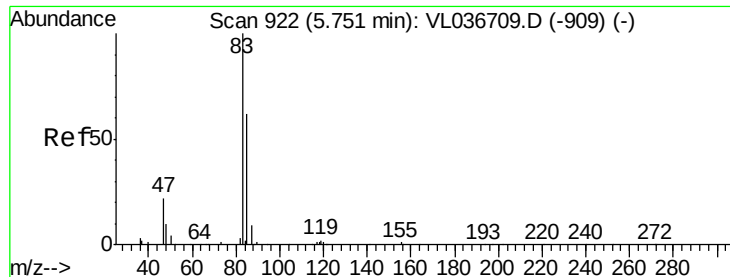


Abundance

Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

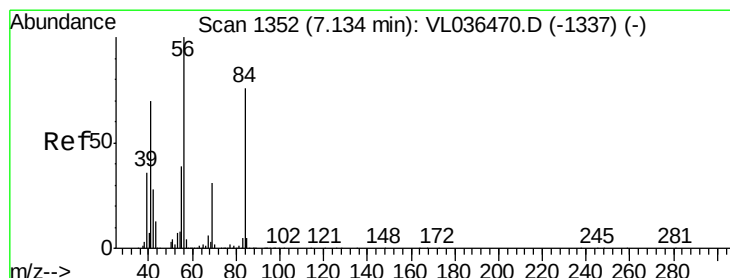
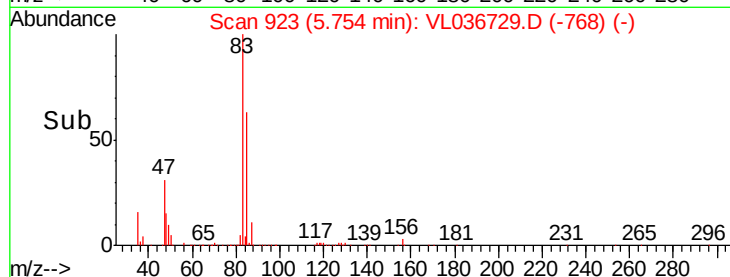
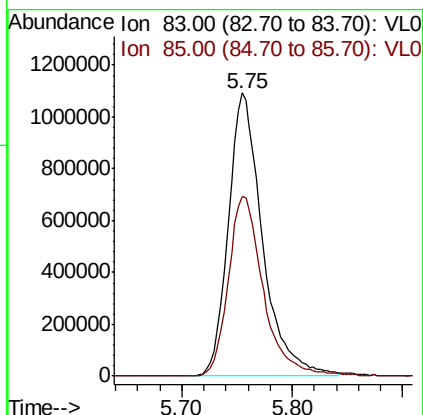
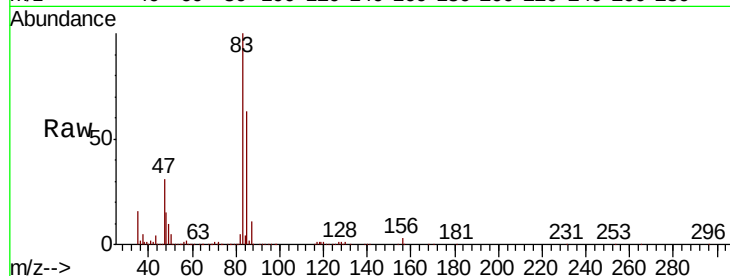




#29
Chloroform
Concen: 9.979 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

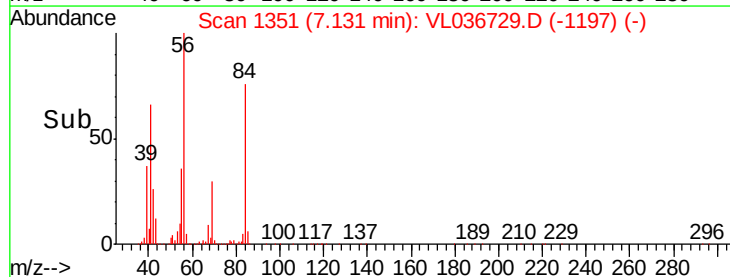
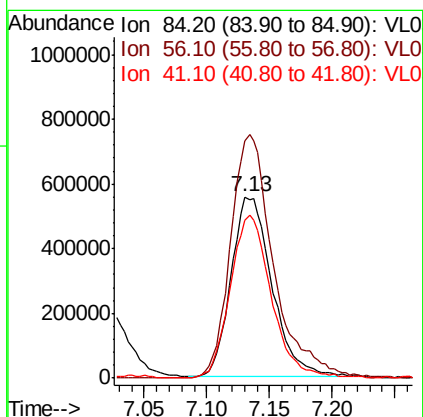
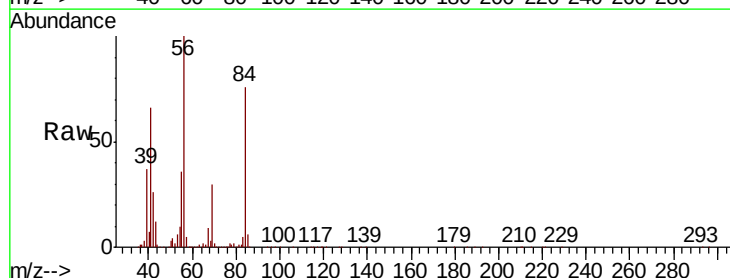
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

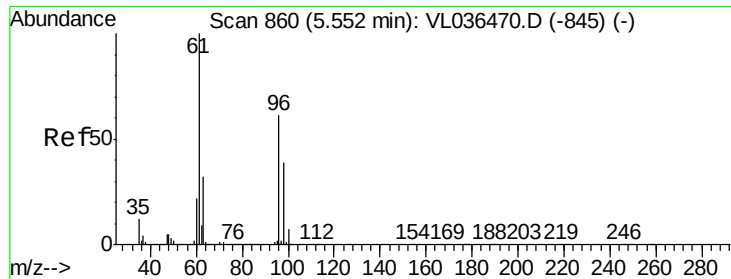
Tot Ion: 83 Resp: 2345098
Ion Ratio Lower Upper
83 100
85 63.0 52.6 78.8



#30
Cyclohexane
Concen: 10.592 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion: 84 Resp: 1262335
Ion Ratio Lower Upper
84 100
56 143.1 114.6 171.8
41 90.5 75.3 112.9



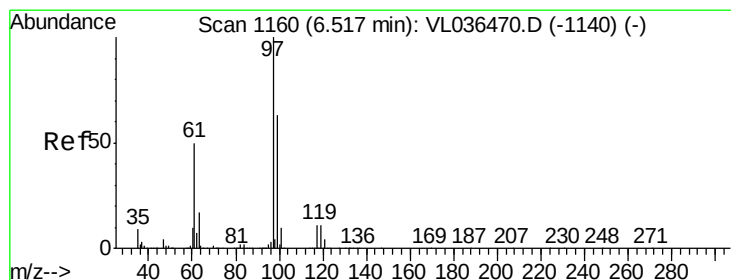
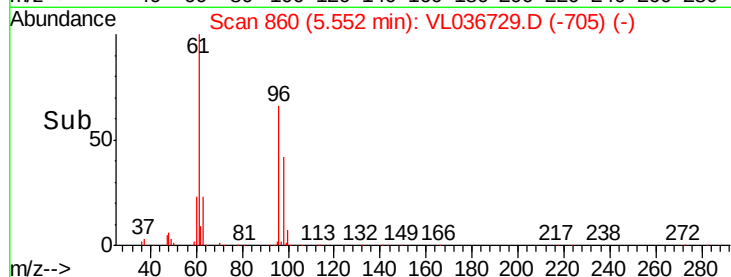
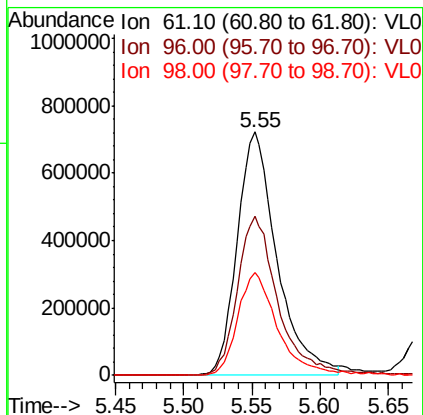
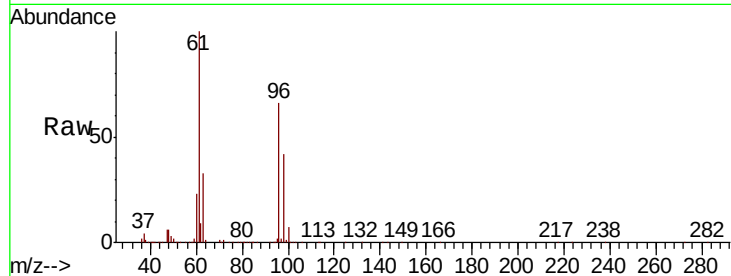


#31

cis-1,2-Dichloroethene
 Concen: 10.293 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

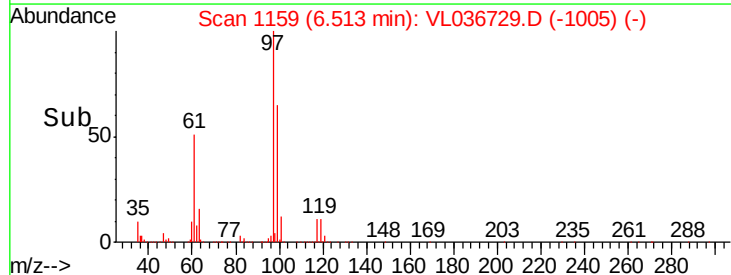
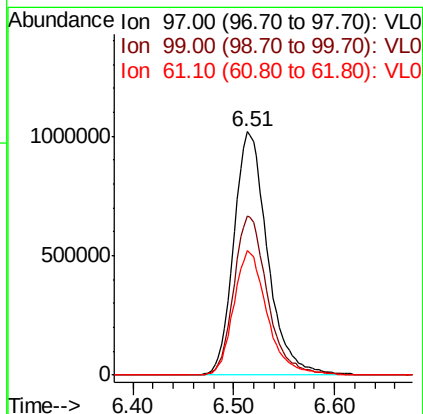
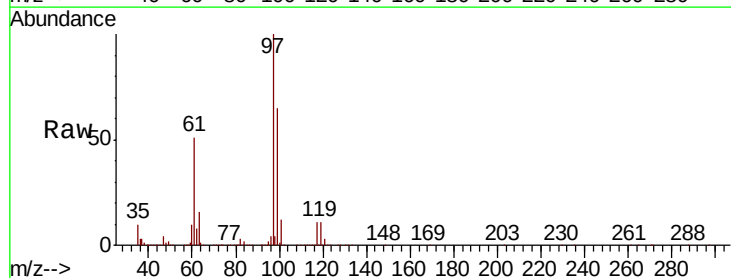
Tot Ion: 61 Resp: 1462988
 Ion Ratio Lower Upper
 61 100
 96 65.6 48.7 73.1
 98 42.0 31.4 47.0

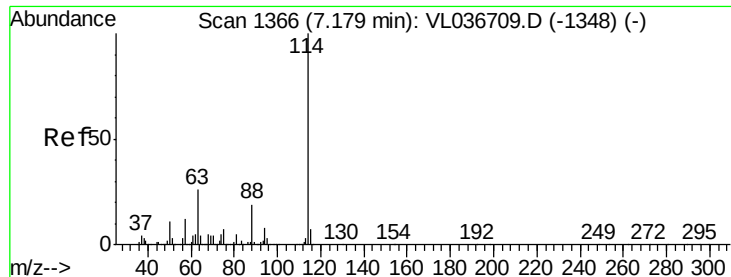


#32

1,1,1-Trichloroethane
 Concen: 10.014 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Tgt Ion: 97 Resp: 2371761
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.4 77.0
 61 50.9 40.6 60.8

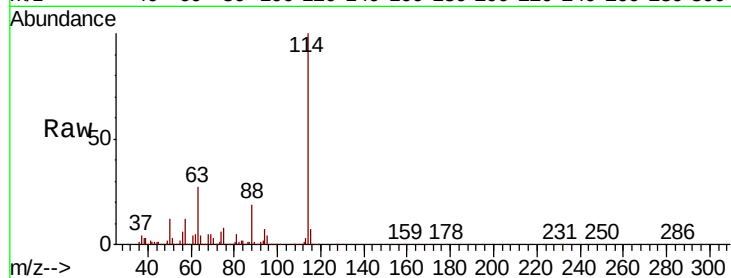




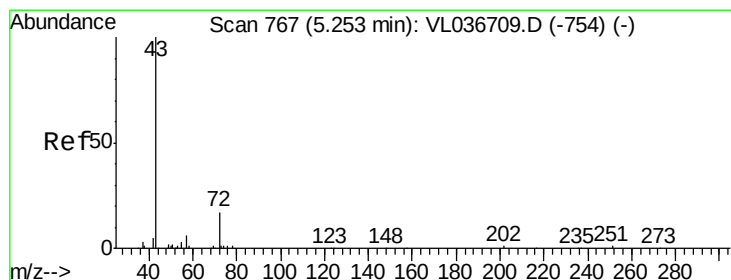
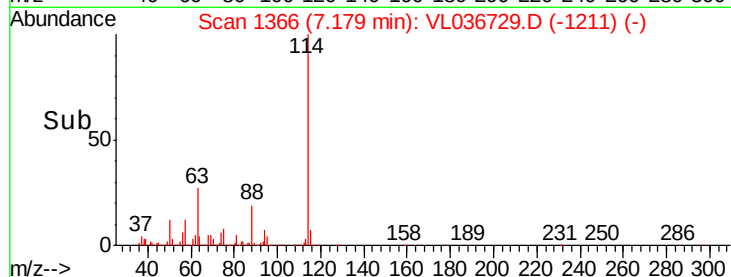
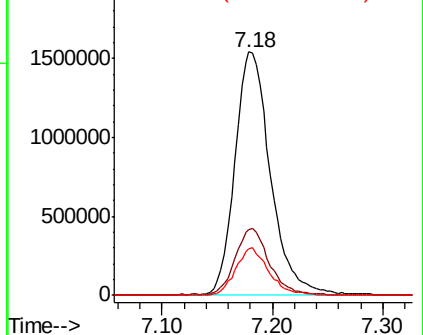
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion:114 Resp: 3440708
 Ion Ratio Lower Upper
 114 100
 63 27.0 22.4 33.6
 88 18.5 15.4 23.0

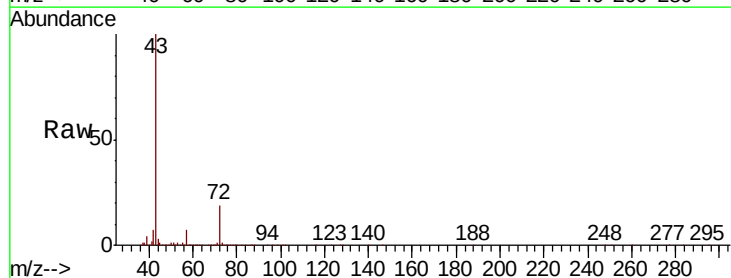


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

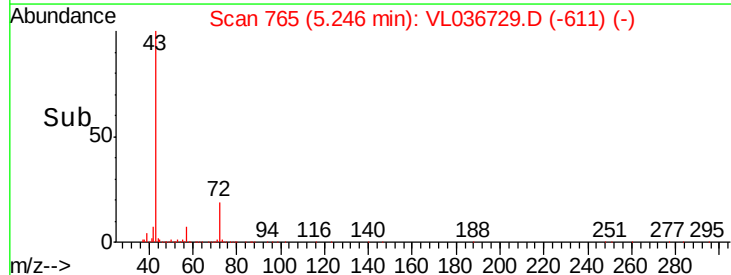
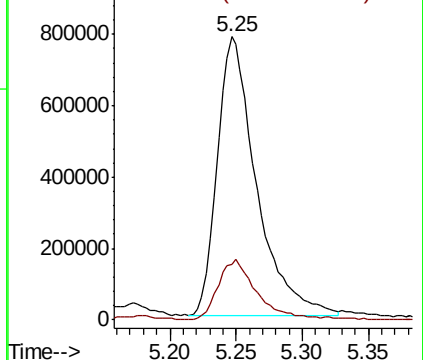


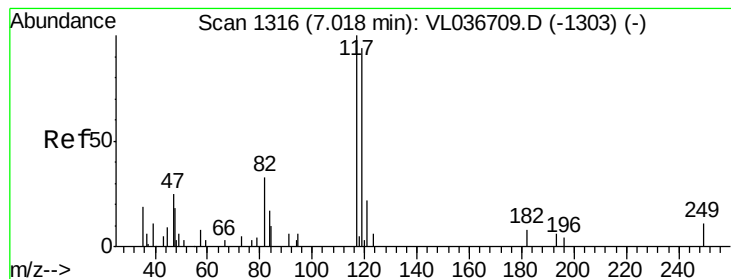
#34
 2-Butanone
 Concen: 9.476 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Tgt Ion: 43 Resp: 1591485
 Ion Ratio Lower Upper
 43 100
 72 22.0 17.0 25.6



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





#35

Carbon Tetrachloride

Concen: 9.382 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

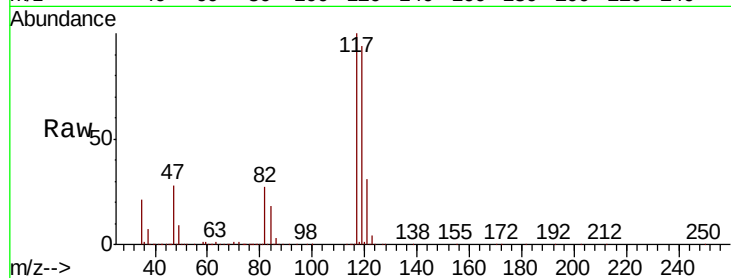
Tot Ion:117 Resp: 2479319

Ion Ratio Lower Upper

117 100

119 93.9 78.2 117.2

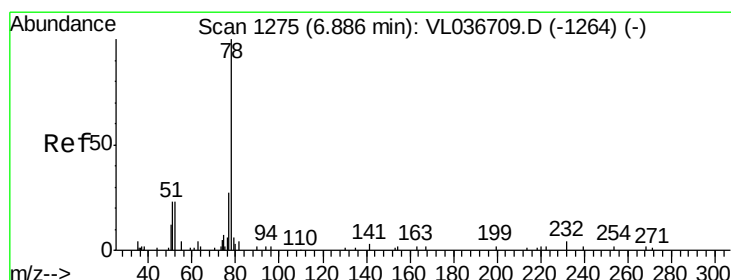
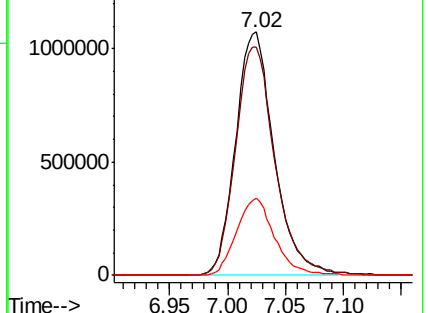
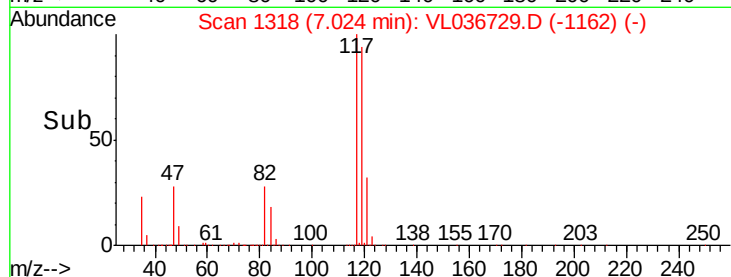
121 31.4 24.5 36.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.830 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

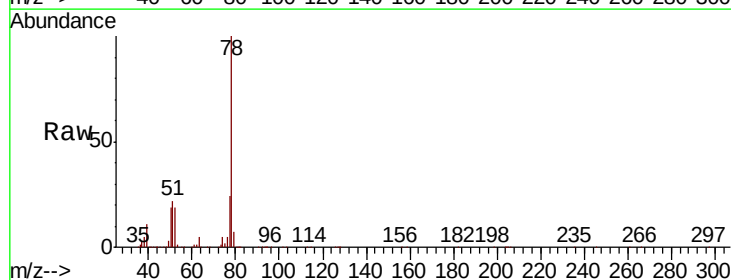
Tgt Ion: 78 Resp: 3119296

Ion Ratio Lower Upper

78 100

77 24.2 18.0 27.0

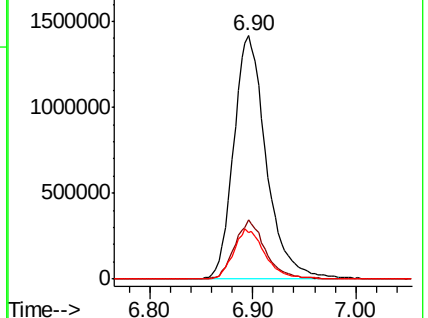
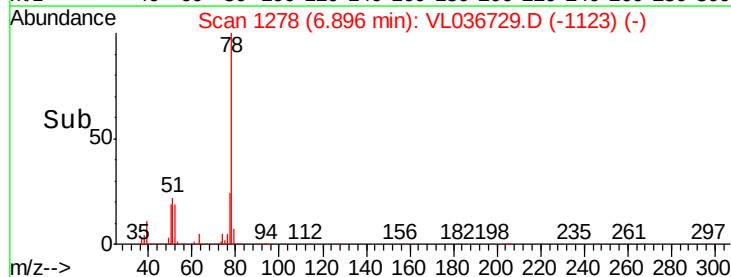
50 19.3 16.5 24.7

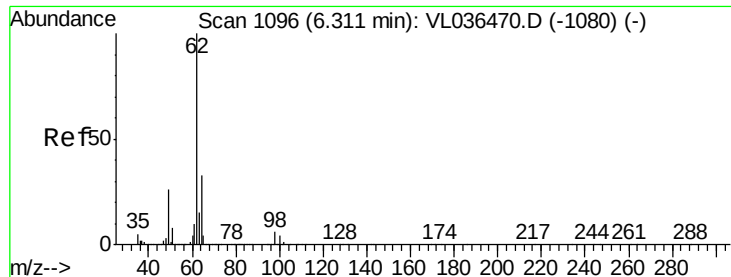


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

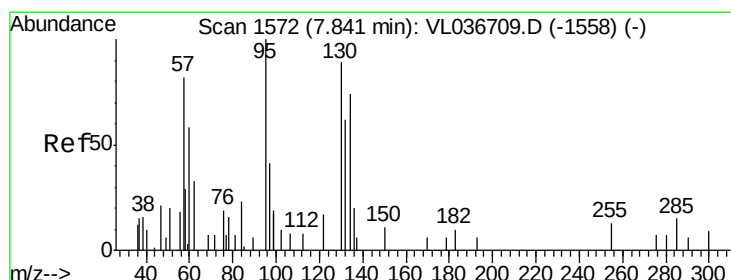
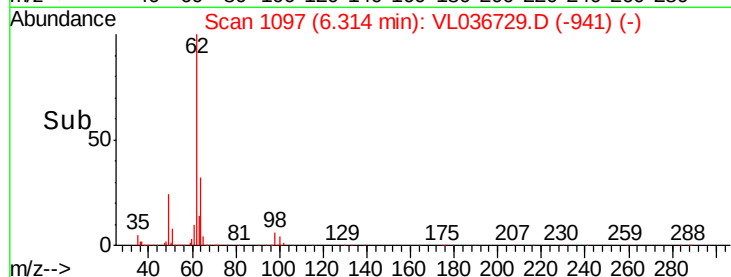
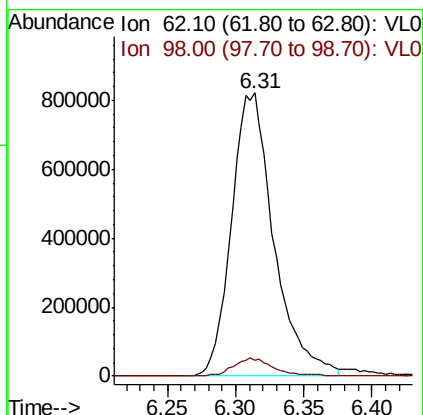
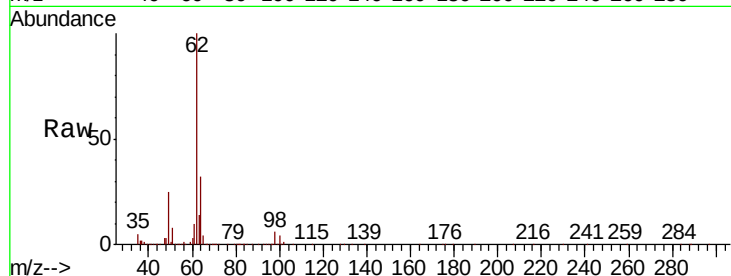




#37
 1,2-Dichloroethane
 Concen: 9.485 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

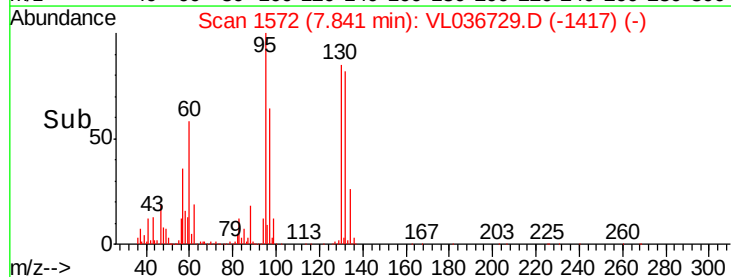
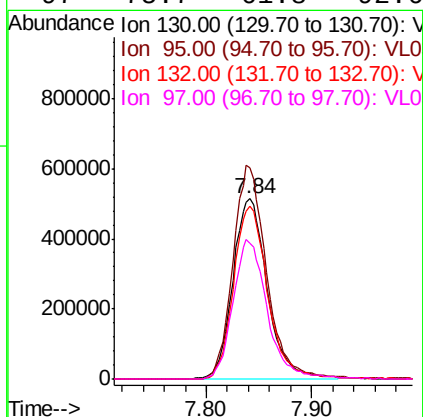
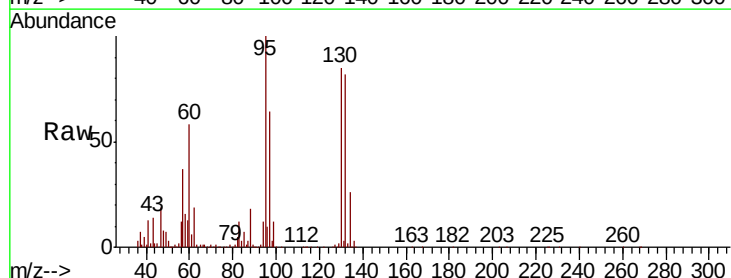
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

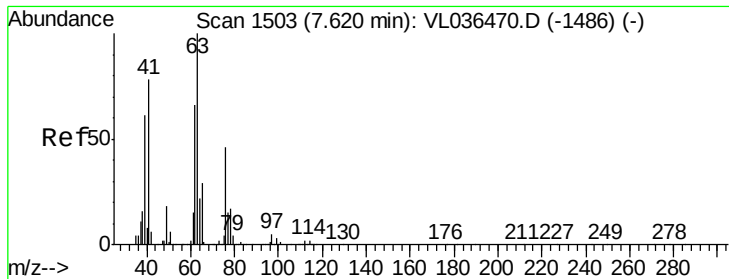
Tot Ion: 62 Resp: 1771404
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.9 7.3



#38
 Trichloroethene
 Concen: 9.311 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Tgt Ion: 130 Resp: 1149890
 Ion Ratio Lower Upper
 130 100
 95 117.2 95.7 143.5
 132 95.9 76.2 114.4
 97 75.7 61.8 92.6





#39

1,2-Dichloropropane

Concen: 9.546 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

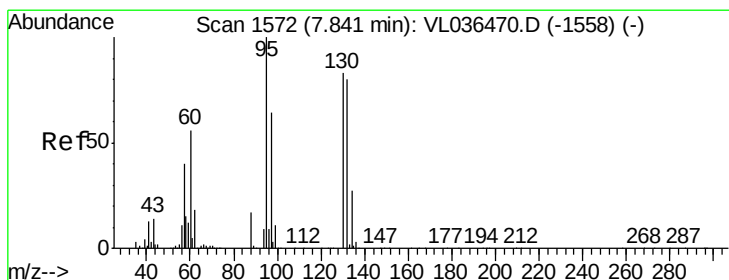
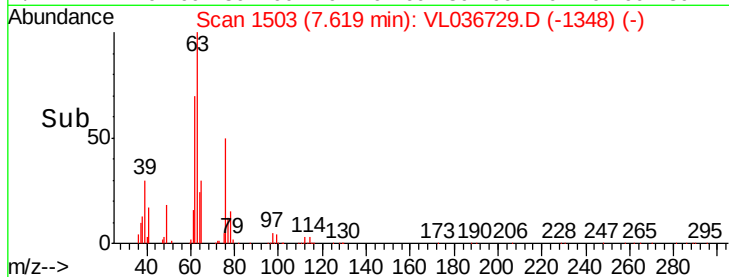
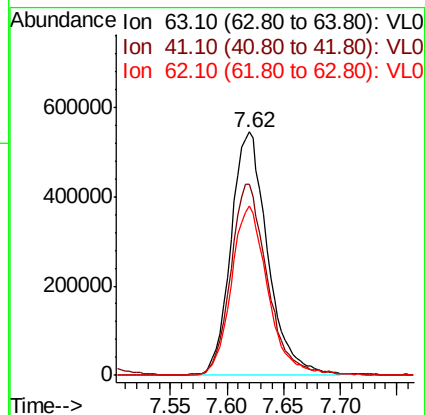
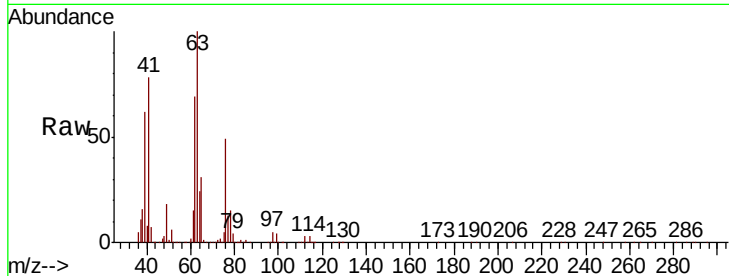
Tot Ion: 63 Resp: 1228806

Ion Ratio Lower Upper

63 100

41 77.7 62.4 93.6

62 69.4 52.8 79.2



#40

1,4-Dioxane

Concen: 9.600 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Tgt Ion: 88 Resp: 287607

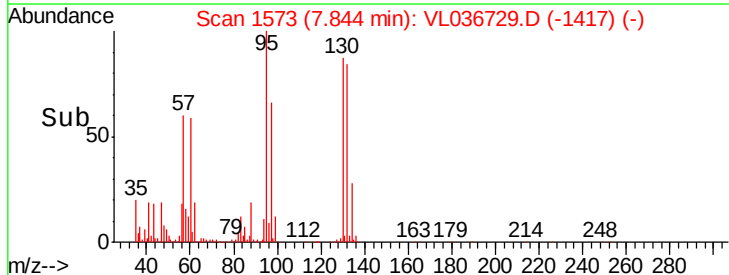
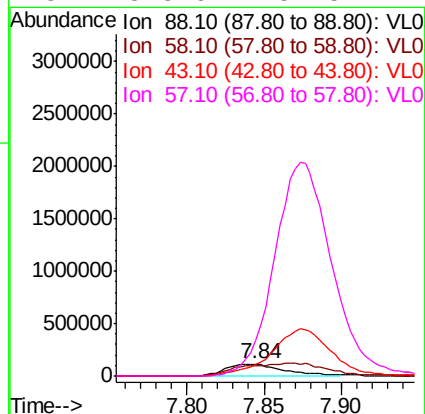
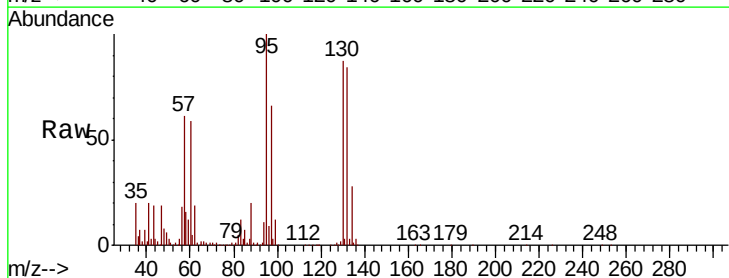
Ion Ratio Lower Upper

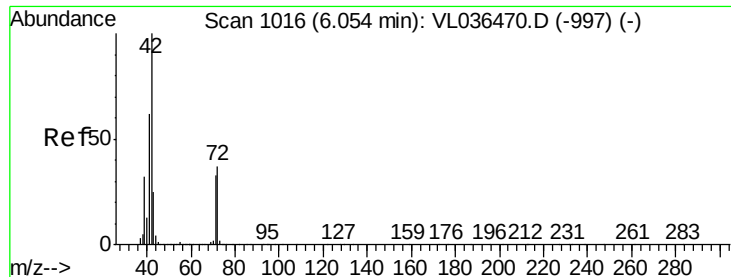
88 100

58 168.4 134.1 201.1

43 415.9 346.6 520.0

57 1843.0 1481.8 2222.8





#41

Tetrahydrofuran

Concen: 9.954 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

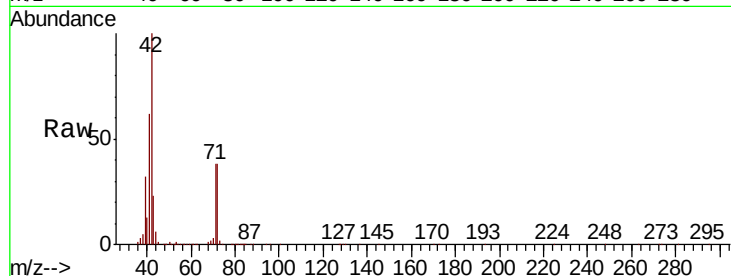
Tot Ion: 42 Resp: 770858

Ion Ratio Lower Upper

42 100

72 37.2 27.6 41.4

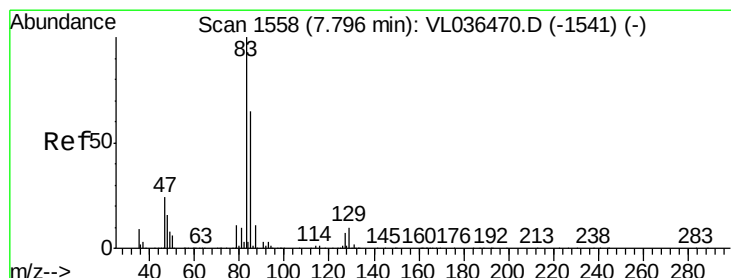
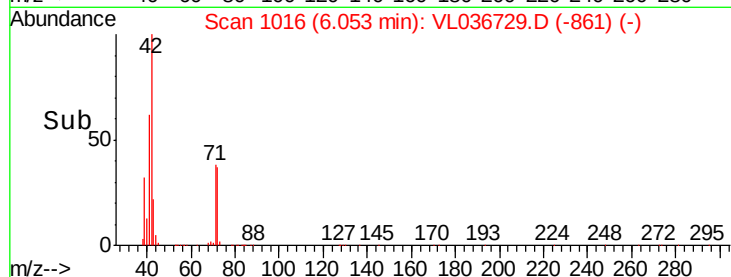
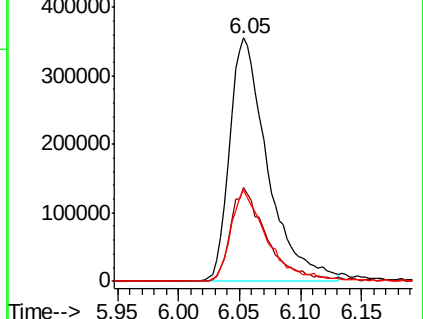
71 36.4 27.0 40.4



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: 9.910 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

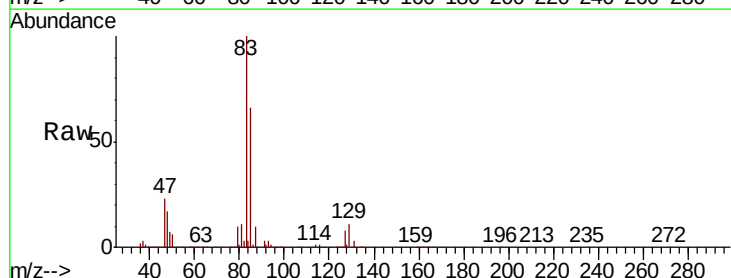
Tgt Ion: 83 Resp: 2517599

Ion Ratio Lower Upper

83 100

85 66.3 51.8 77.6

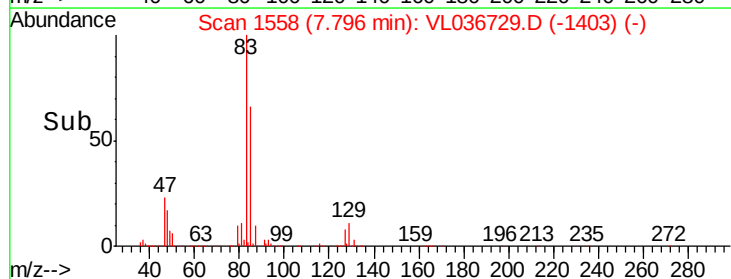
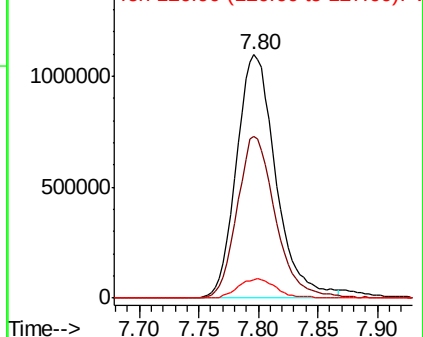
127 7.8 5.8 8.8

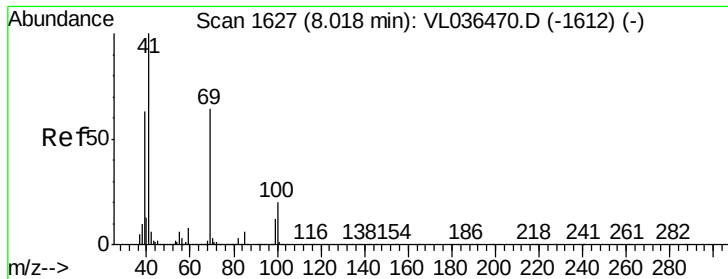


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

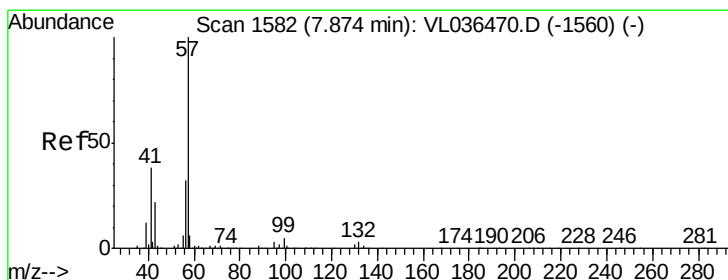
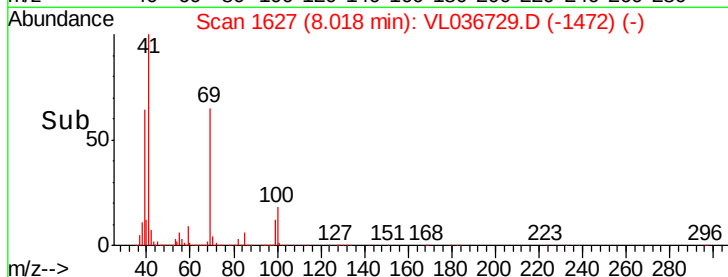
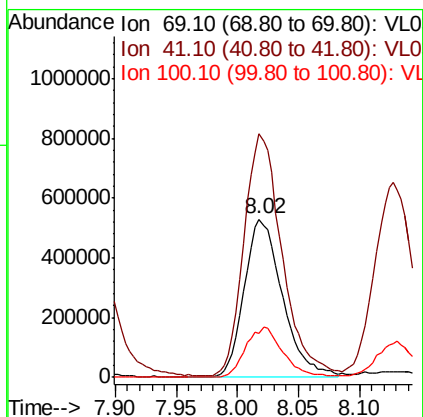
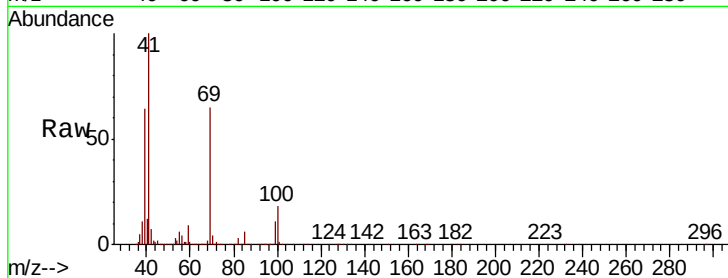




#43
Methvl Methacrylate
Concen: 10.752 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

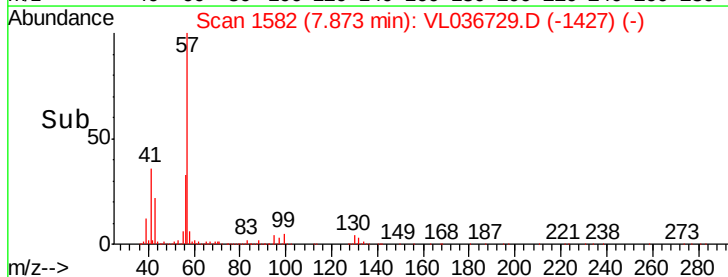
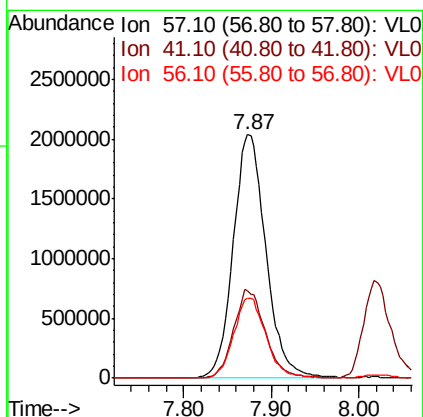
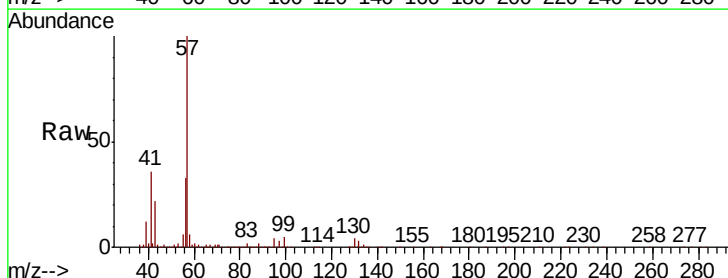
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

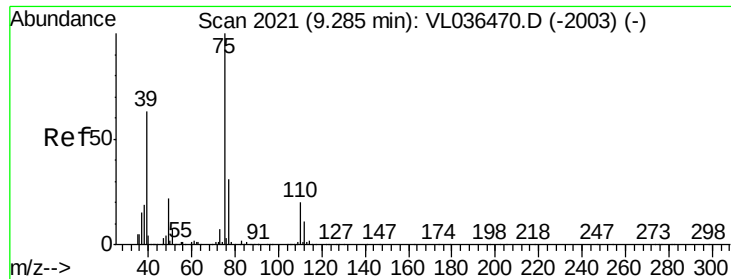
Tot Ion: 69 Resp: 1145725
Ion Ratio Lower Upper
69 100
41 154.0 126.8 190.2
100 31.4 24.9 37.3



#44
2,2,4-Trimethylpentane
Concen: 9.460 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion: 57 Resp: 5283568
Ion Ratio Lower Upper
57 100
41 35.1 28.8 43.2
56 32.5 26.1 39.1

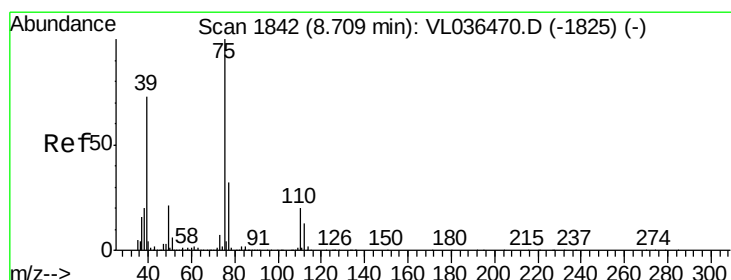
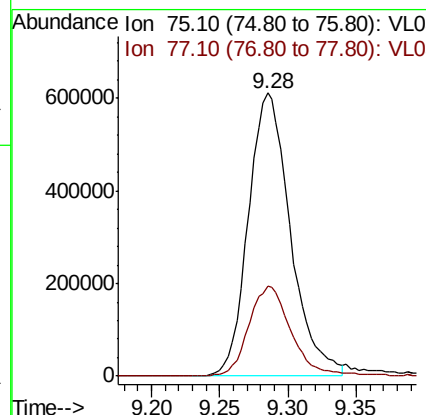
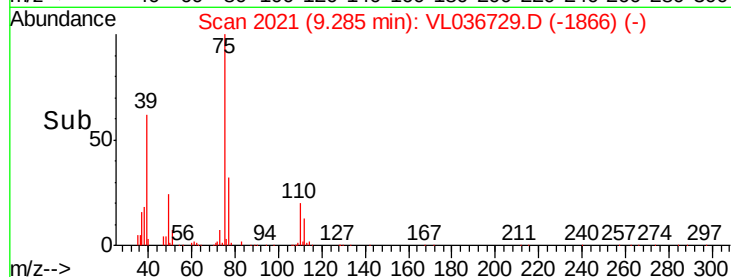
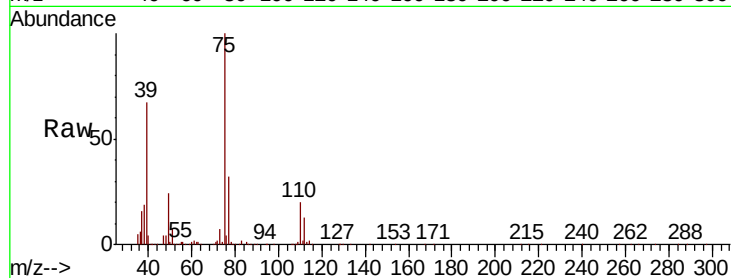




#45
t-1,3-Dichloropropene
Concen: 10.756 ppbv
RT: 9.28 min Scan# 2021
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

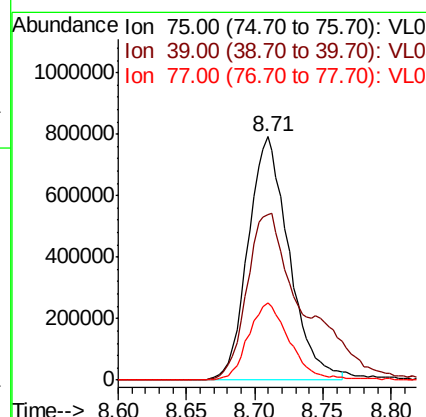
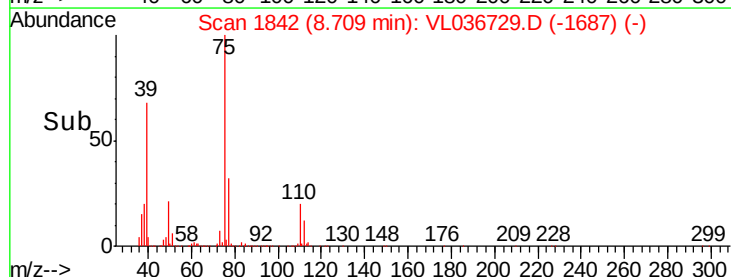
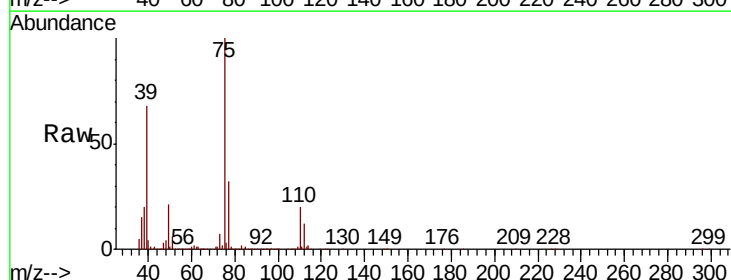
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

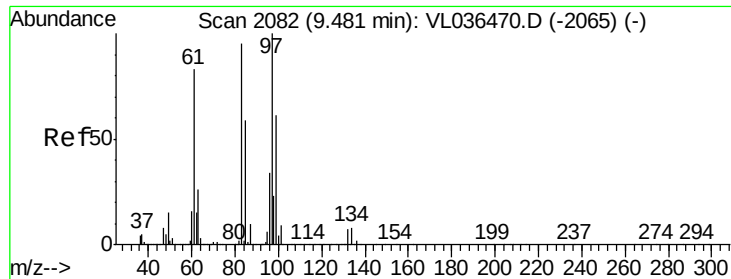
Tot Ion: 75 Resp: 1308726
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 10.569 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion: 75 Resp: 1643811
Ion Ratio Lower Upper
75 100
39 68.0 58.2 87.2
77 31.9 25.2 37.8



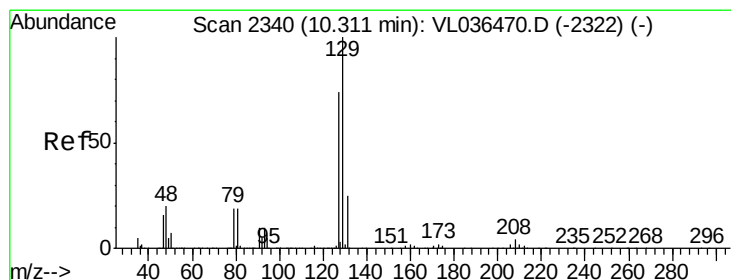
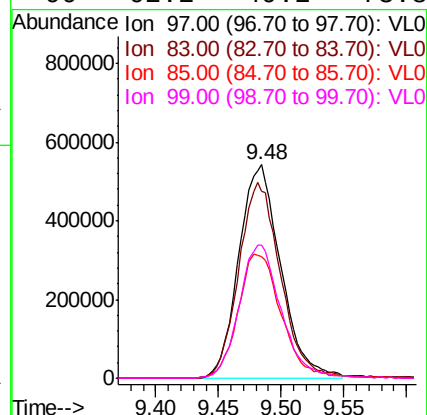
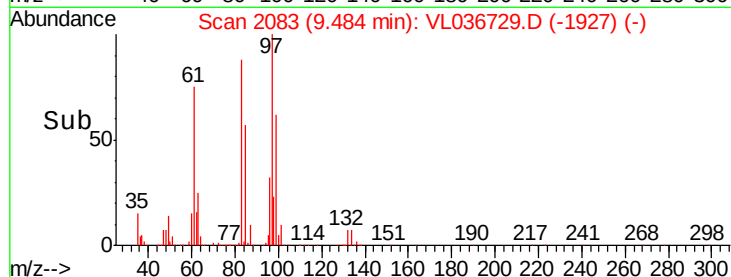
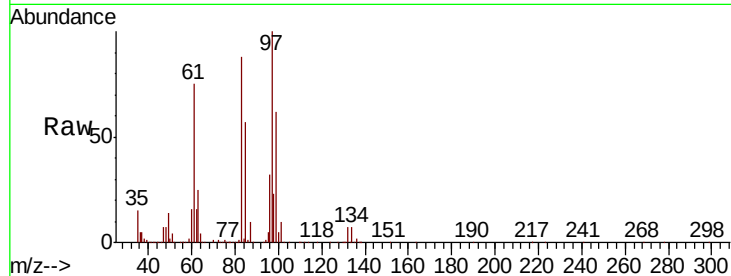


#47
 1,1,2-Trichloroethane
 Concen: 9.662 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion: 97 Resp: 1259802

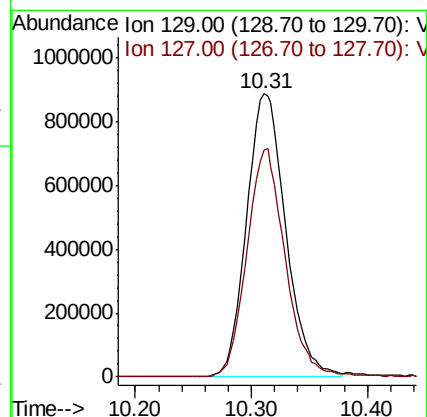
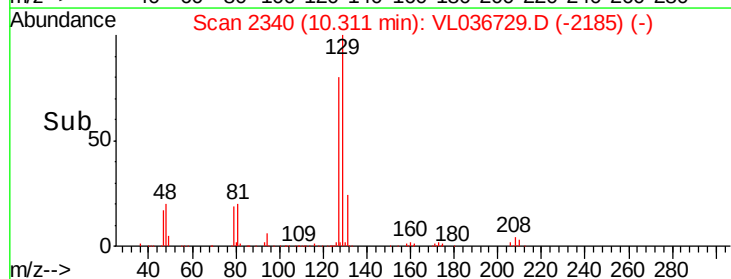
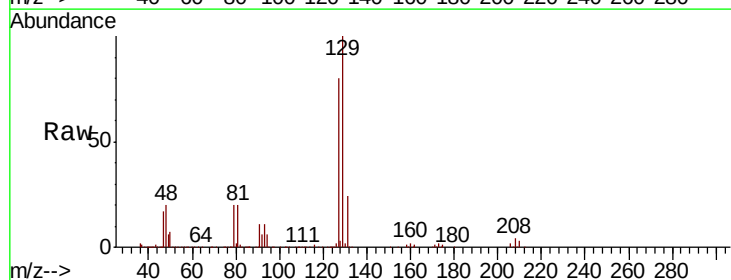
Ion	Ratio	Lower	Upper
97	100		
83	87.6	75.8	113.8
85	57.1	47.1	70.7
99	62.2	49.2	73.8

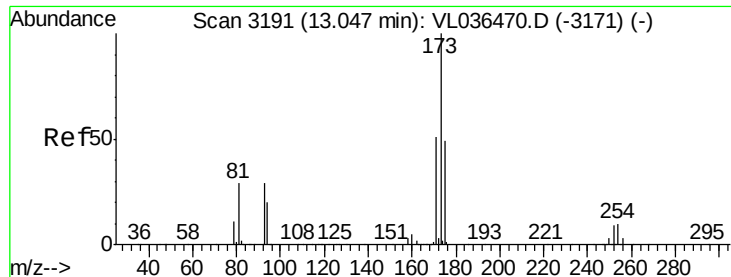


#48
 Dibromochloromethane
 Concen: 10.487 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. -0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Tgt Ion: 129 Resp: 2084246

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.6	118.8





#49

Bromoform

Concen: 10.735 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

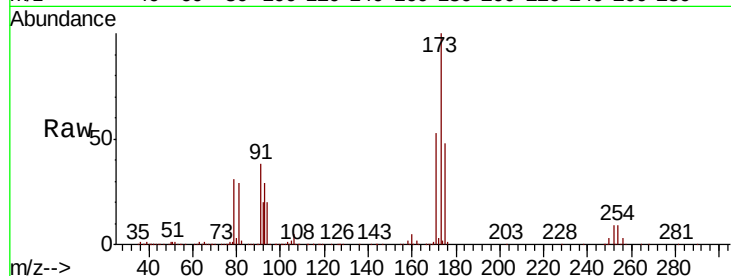
Tot Ion:173 Resp: 1719074

Ion Ratio Lower Upper

173 100

175 49.6 39.6 59.4

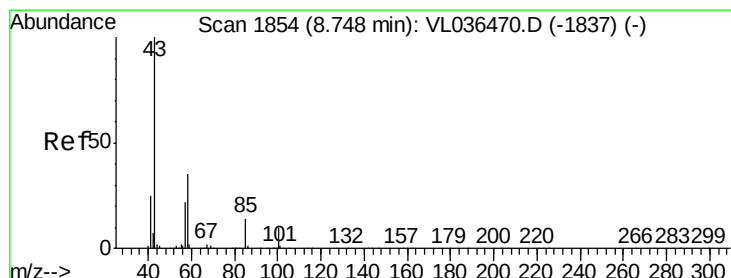
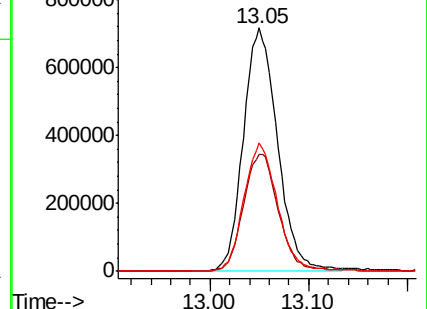
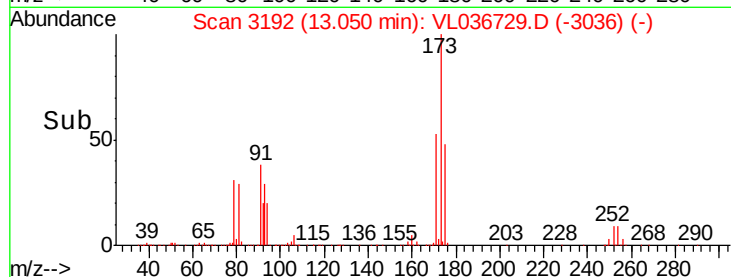
171 52.4 41.4 62.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.991 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VL036729.D

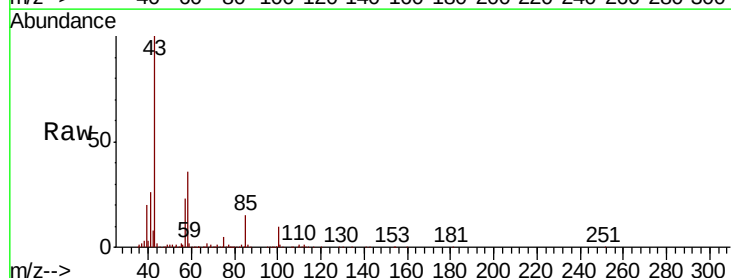
Acq: 7 Apr 2021 16:05

Tgt Ion: 43 Resp: 2428081

Ion Ratio Lower Upper

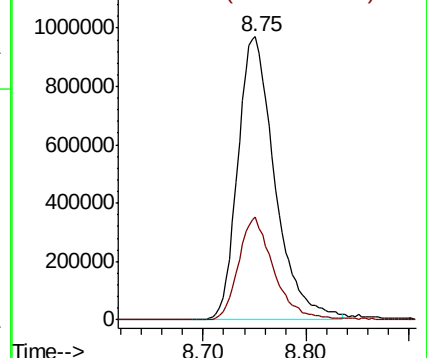
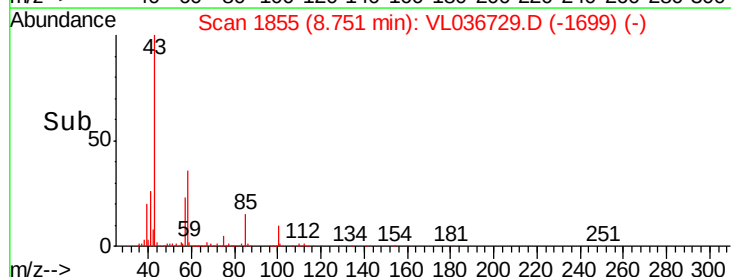
43 100

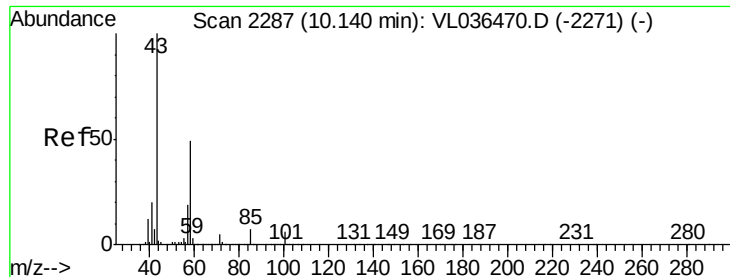
58 34.9 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.612 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

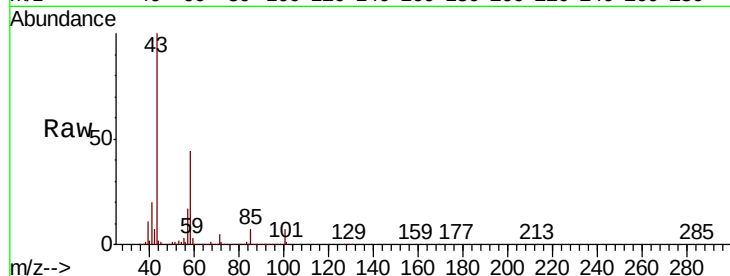
Tot Ion: 43 Resp: 1301427

Ion Ratio Lower Upper

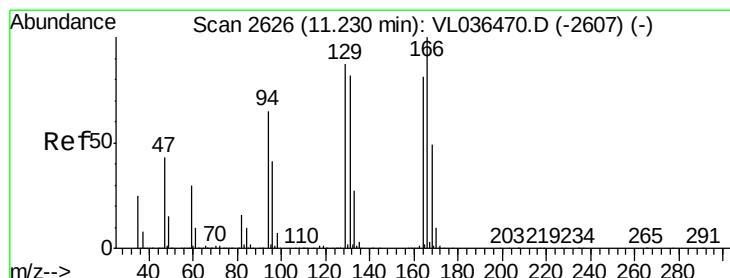
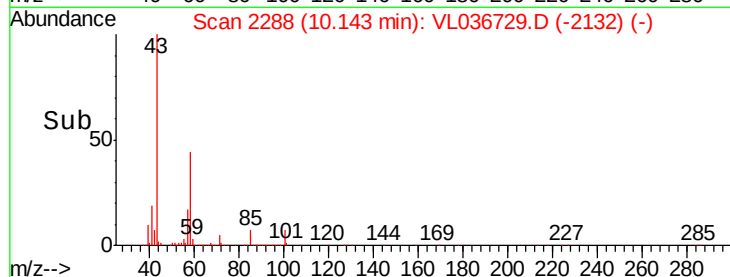
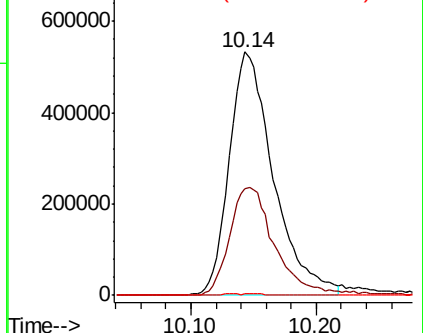
43 100

58 46.8 37.7 56.5

98 0.7 0.2 0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.015 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Tgt Ion:164 Resp: 1053370

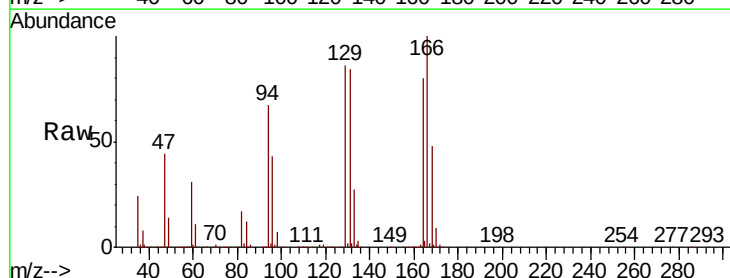
Ion Ratio Lower Upper

164 100

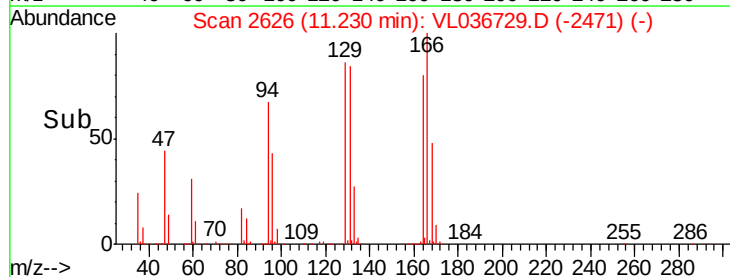
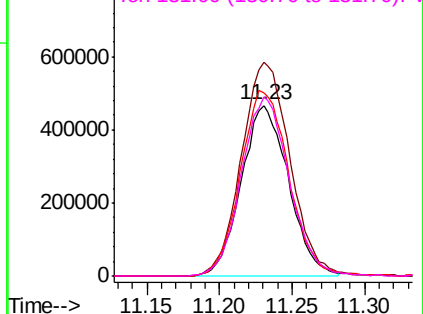
166 125.1 98.3 147.5

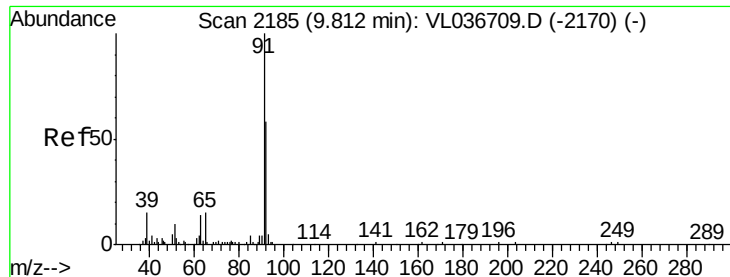
129 107.0 85.8 128.8

131 105.1 80.9 121.3



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.403 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

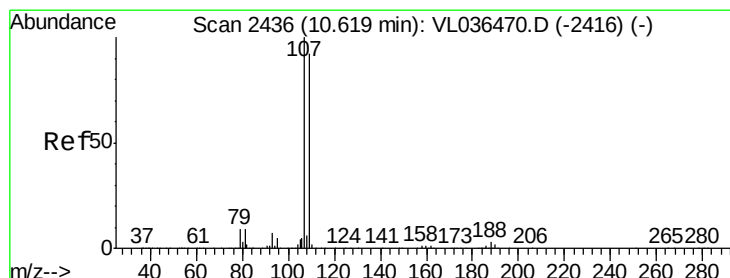
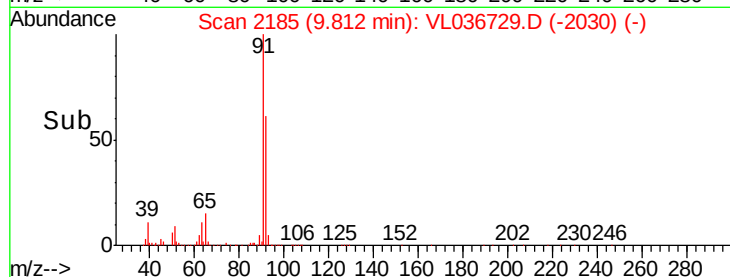
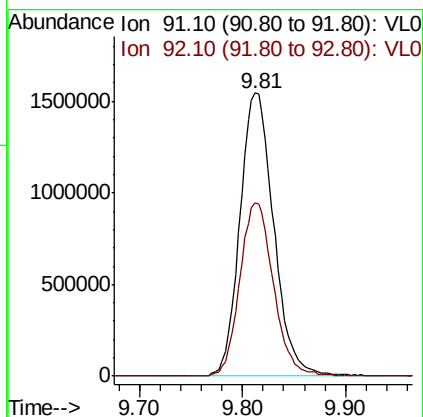
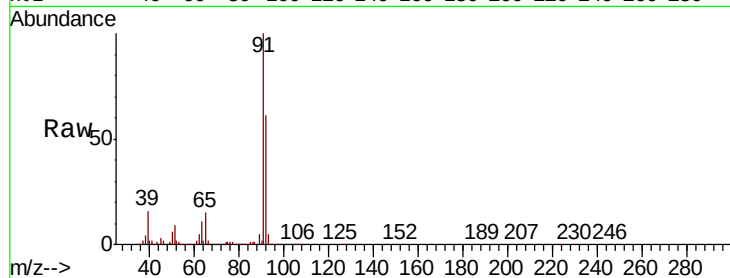
VL0407ABS01

Tot Ion: 91 Resp: 3515517

Ion Ratio Lower Upper

91 100

92 61.2 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.966 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL036729.D

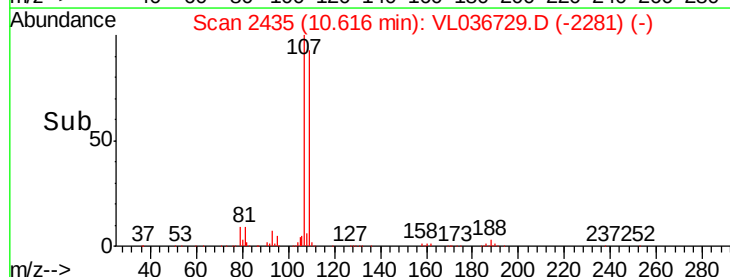
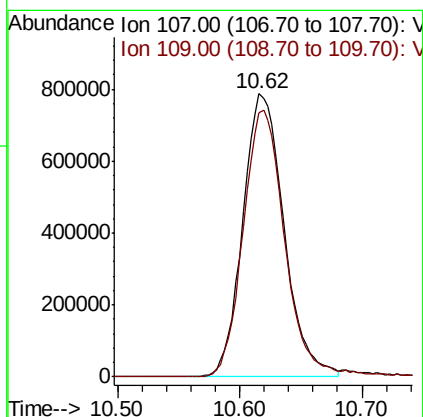
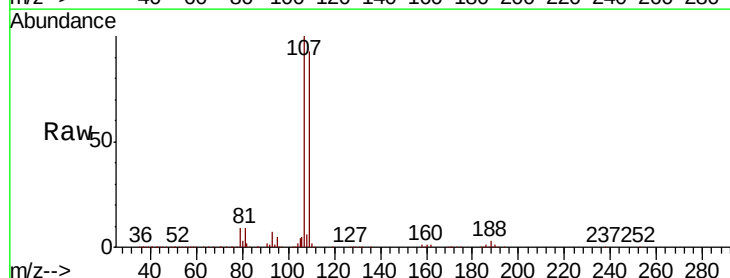
Acq: 7 Apr 2021 16:05

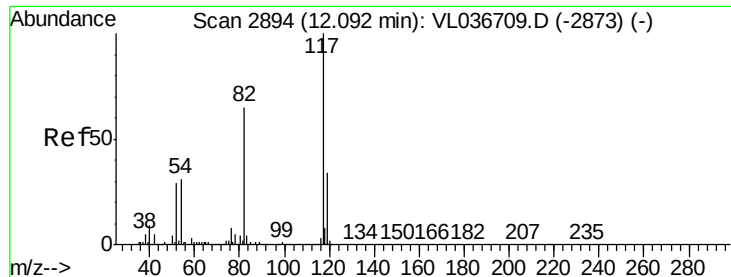
Tgt Ion: 107 Resp: 1835013

Ion Ratio Lower Upper

107 100

109 93.5 73.9 110.9

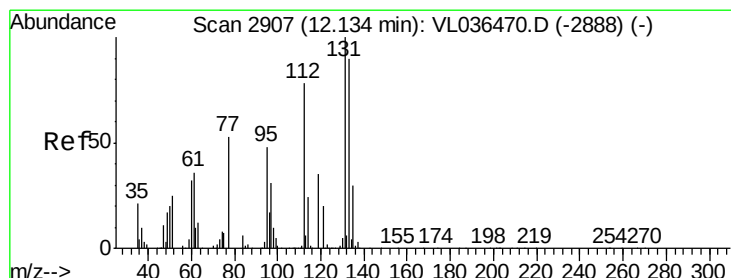
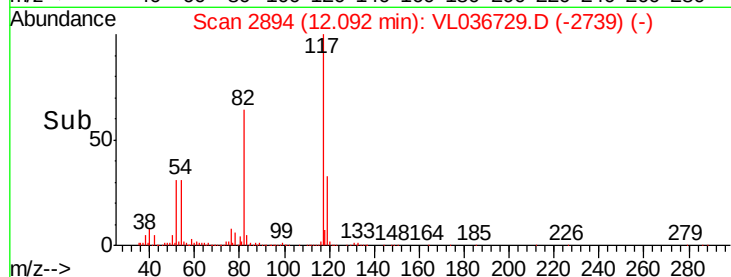
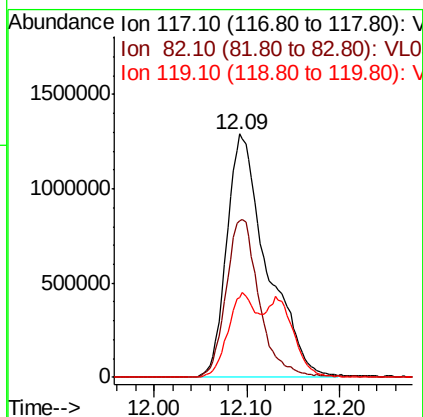
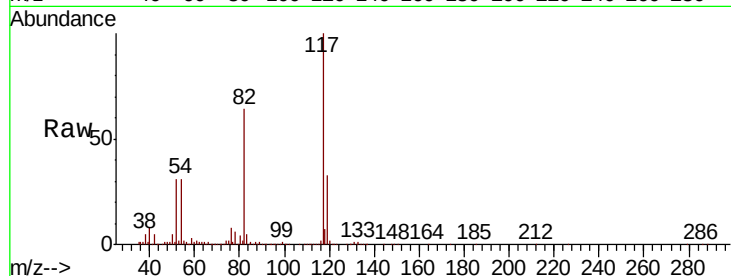




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

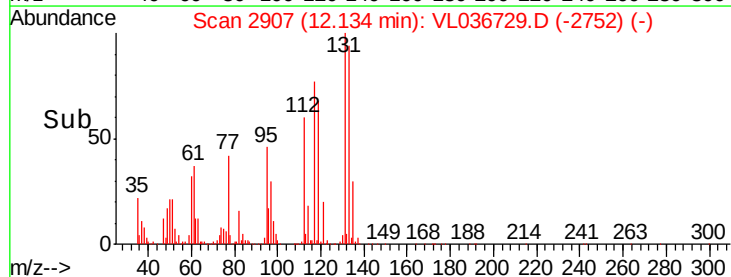
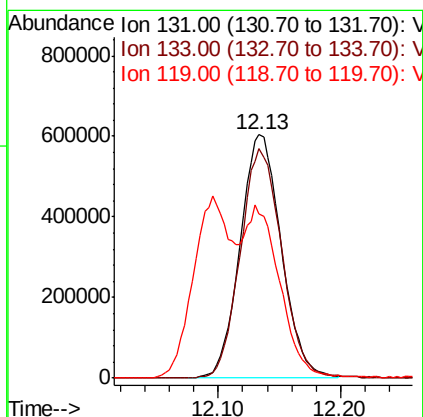
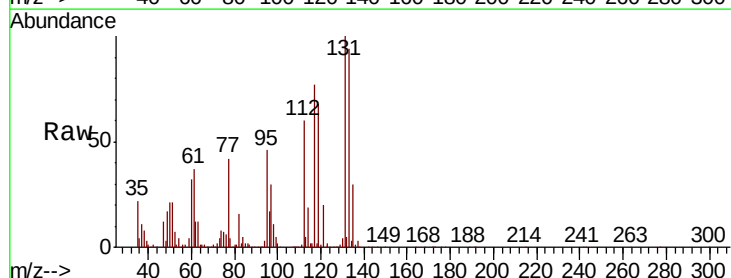
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

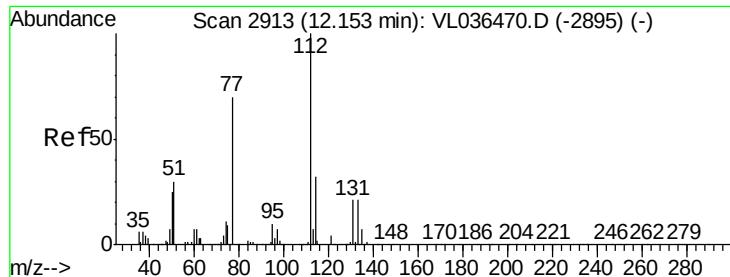
Tot Ion:117 Resp: 3905068
Ion Ratio Lower Upper
117 100
82 53.8 57.4 86.0#
119 23.0 47.4 71.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.956 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion:131 Resp: 1405334
Ion Ratio Lower Upper
131 100
133 95.3 75.8 113.6
119 65.2 48.7 73.1





#57

Chlorobenzene

Concen: 7.818 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

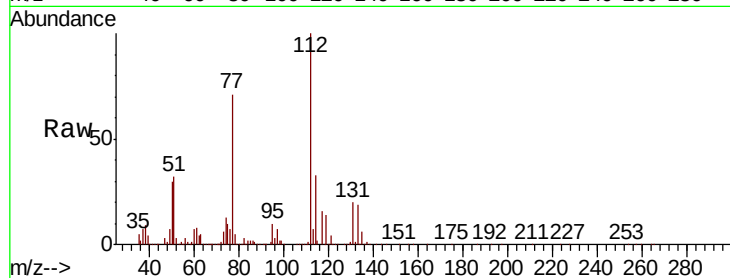
Tot Ion:112 Resp: 2597794

Ion Ratio Lower Upper

112 100

77 70.2 56.0 84.0

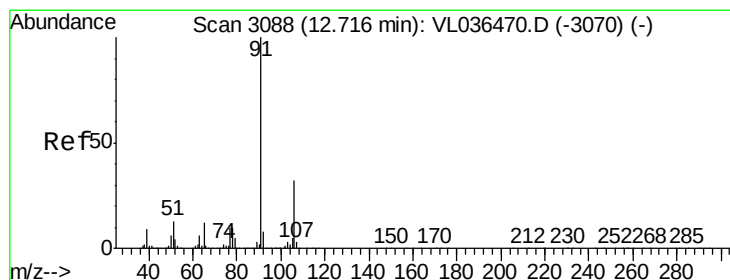
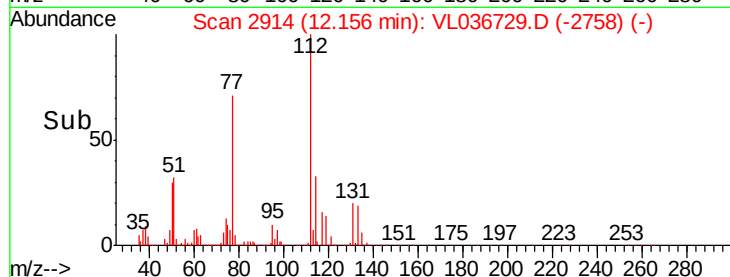
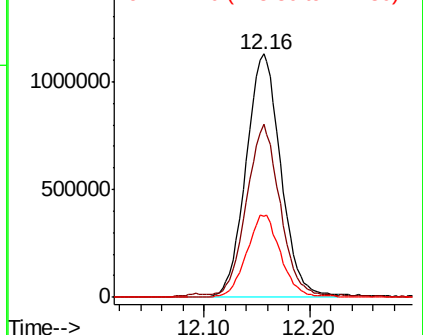
114 33.2 29.0 35.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.261 ppbv

RT: 12.72 min Scan# 3090

Delta R.T. 0.01 min

Lab File: VL036729.D

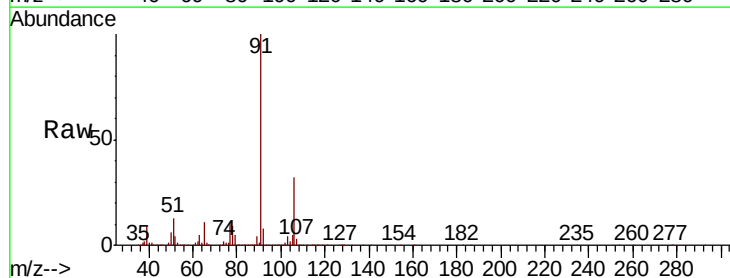
Acq: 7 Apr 2021 16:05

Tgt Ion: 91 Resp: 4693399

Ion Ratio Lower Upper

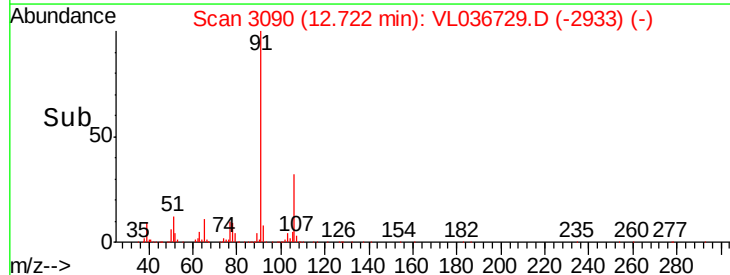
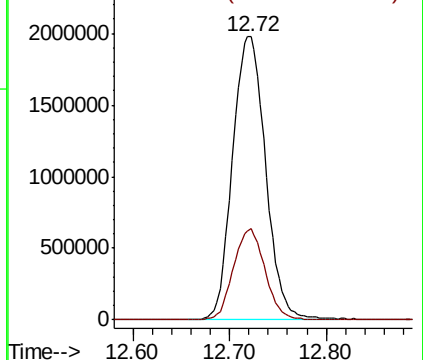
91 100

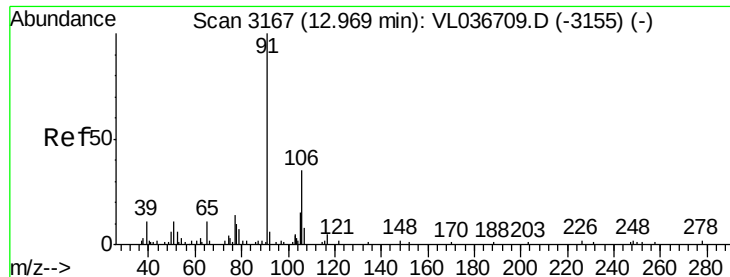
106 32.2 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

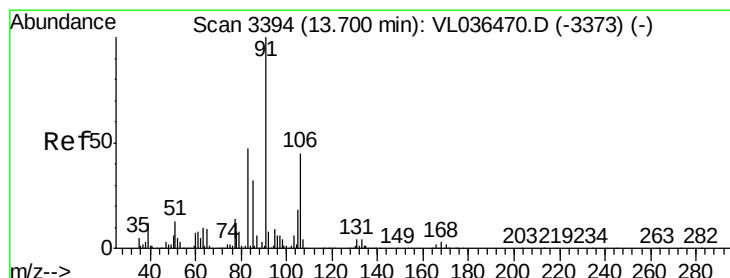
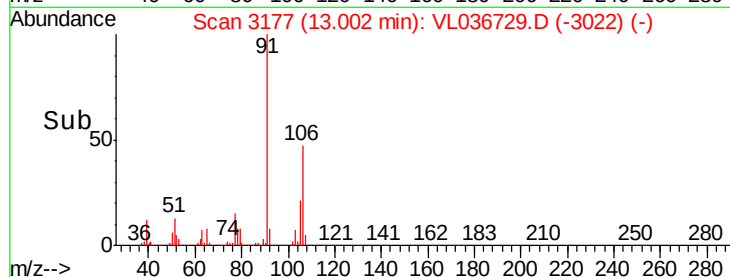
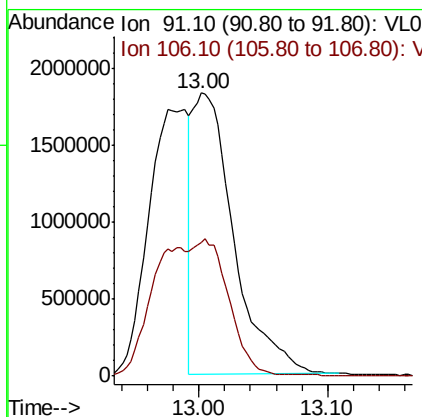
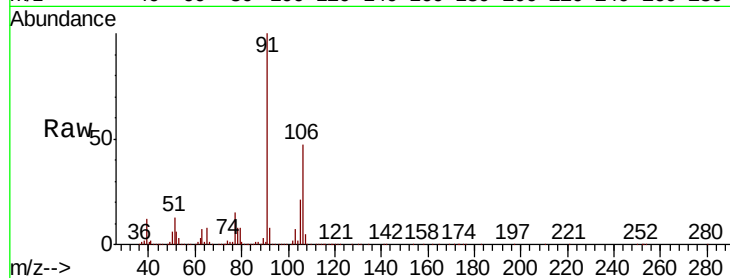




#59
m/p-Xylene
Concen: 8.213 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

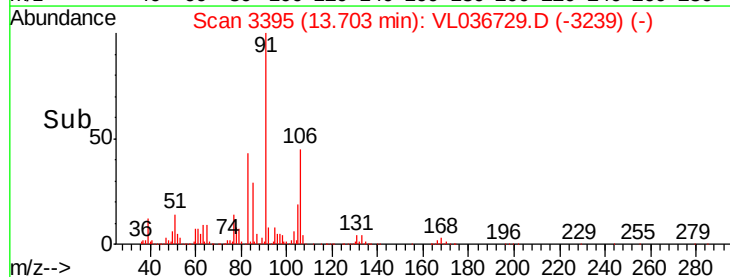
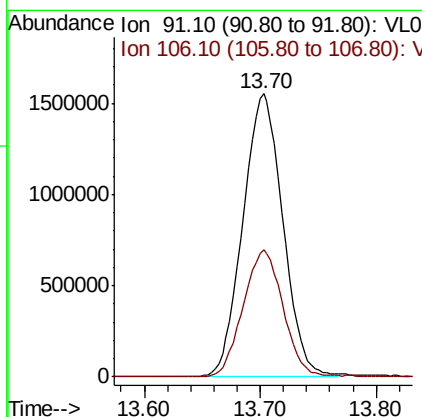
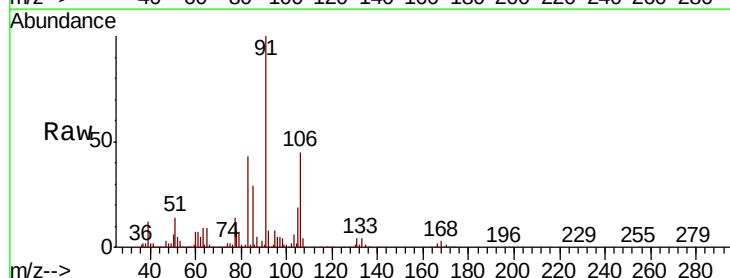
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

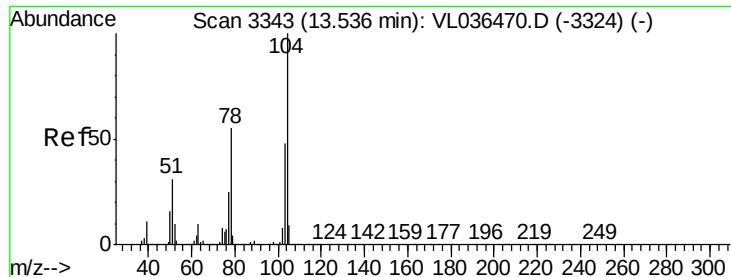
Tot Ion: 91 Resp: 4070066
Ion Ratio Lower Upper
91 100
106 86.7 35.3 52.9#



#60
o-Xylene
Concen: 7.772 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion: 91 Resp: 3723938
Ion Ratio Lower Upper
91 100
106 45.0 22.3 66.9





#61

Stvrene

Concen: 9.097 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

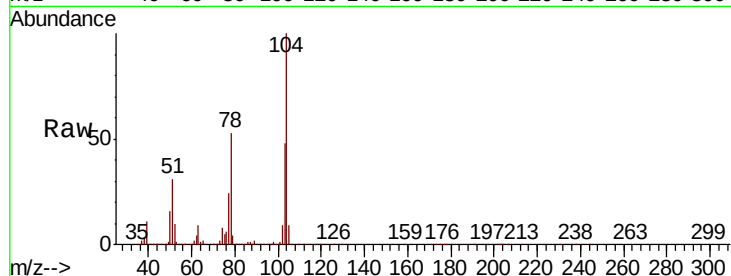
Tot Ion:104 Resp: 2192819

Ion Ratio Lower Upper

104 100

78 53.7 43.8 65.8

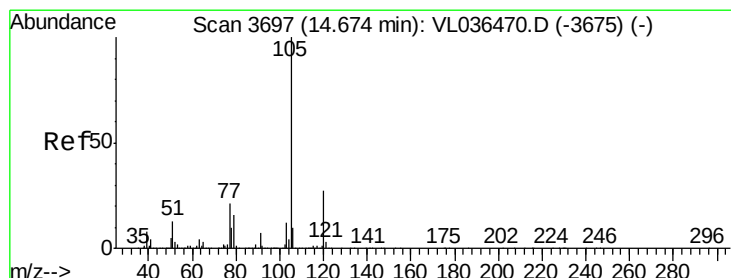
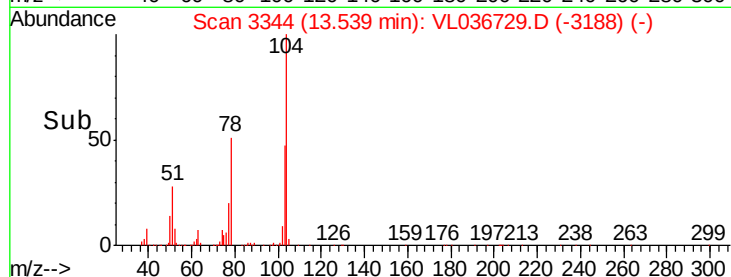
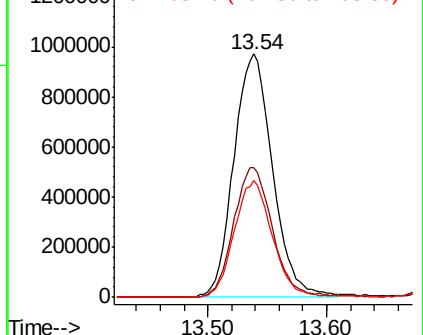
103 47.7 38.3 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.798 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VL036729.D

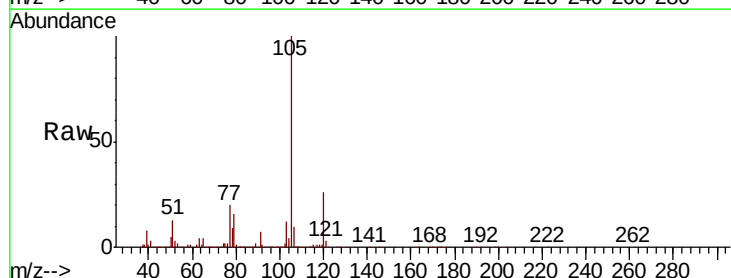
Acq: 7 Apr 2021 16:05

Tgt Ion:105 Resp: 5031592

Ion Ratio Lower Upper

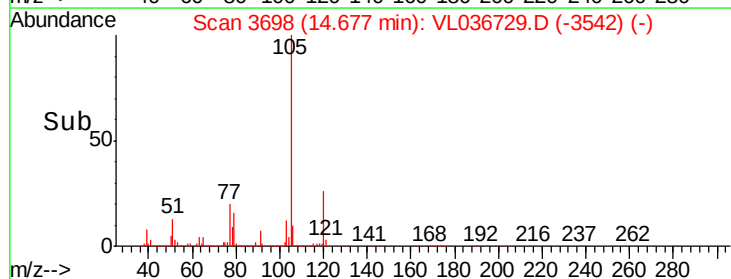
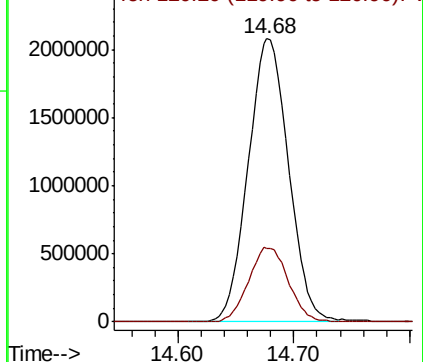
105 100

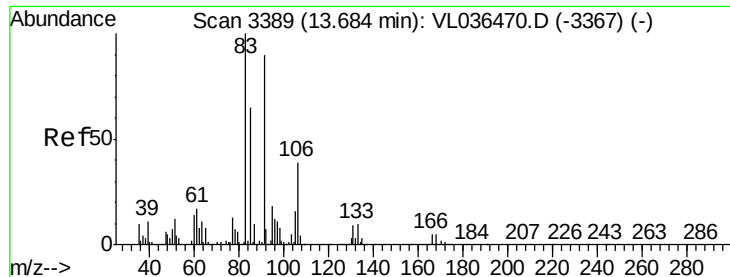
120 26.1 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.426 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

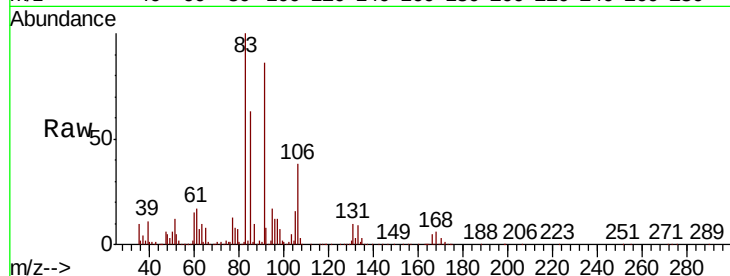
MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 83 Resp: 2714147

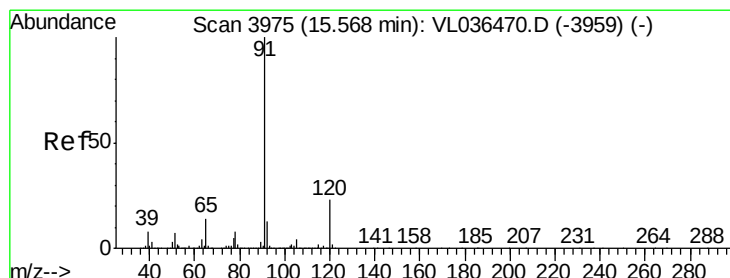
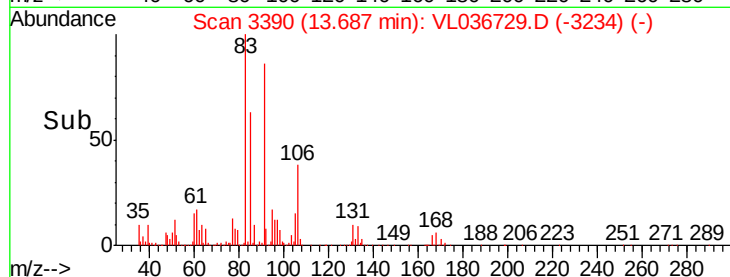
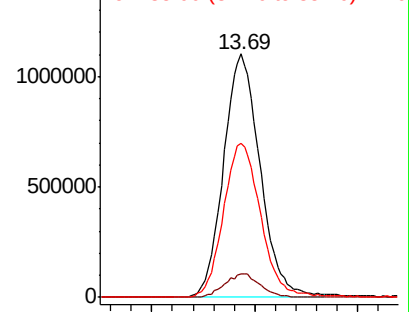
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.7	14.0
85	65.2	33.1	99.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.443 ppbv

RT: 15.57 min Scan# 3976

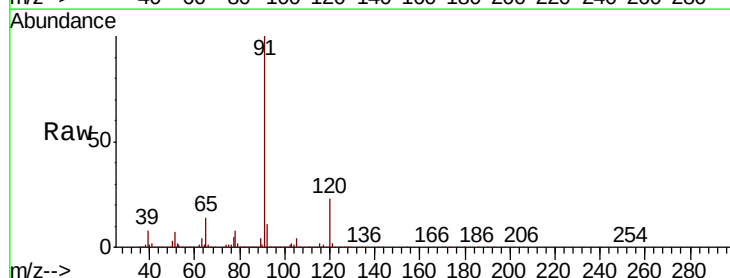
Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

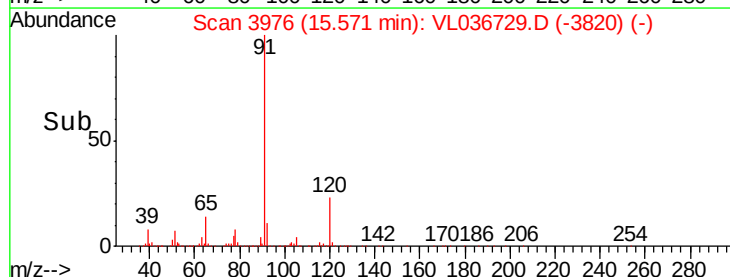
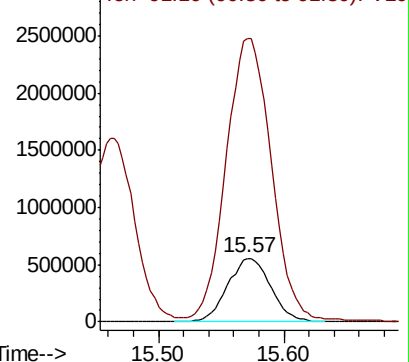
Tgt Ion: 120 Resp: 1331981

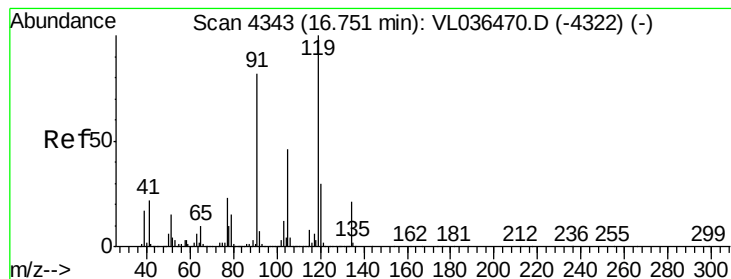
Ion	Ratio	Lower	Upper
120	100		
91	470.5	377.4	566.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.862 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

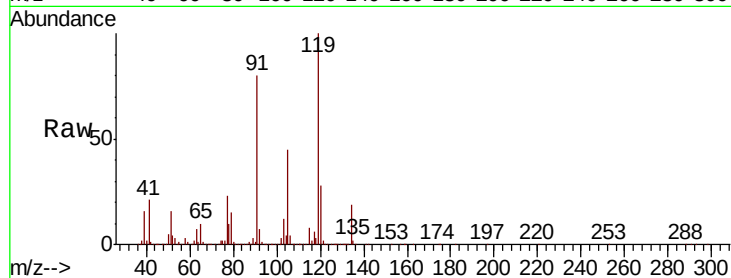
Tot Ion:119 Resp: 4398633

Ion Ratio Lower Upper

119 100

91 84.1 67.5 101.3

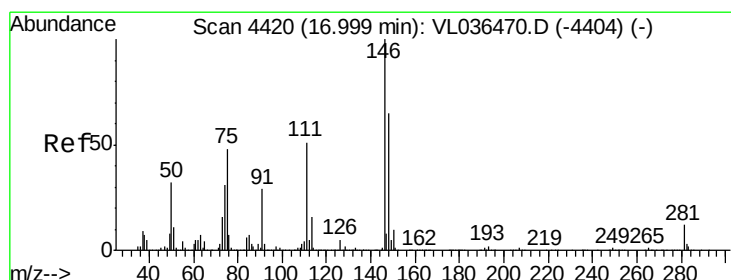
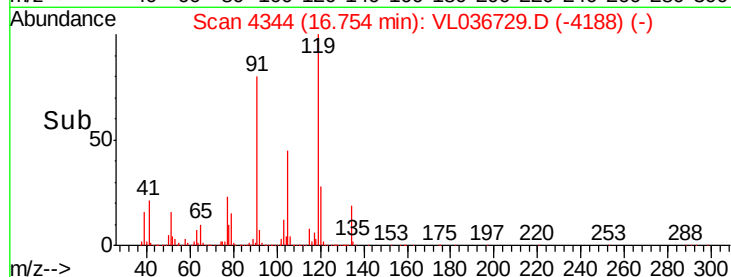
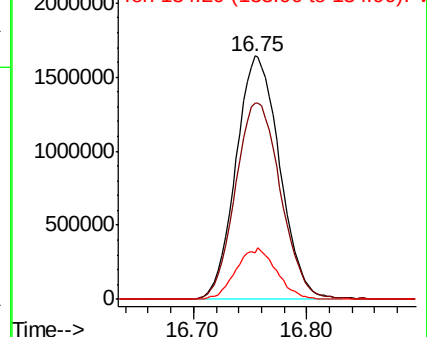
134 19.7 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.605 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

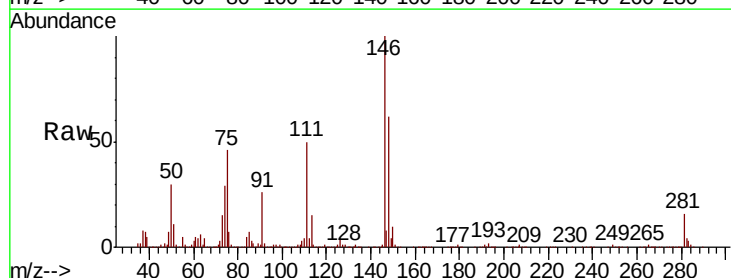
Tgt Ion: 91 Resp: 532188

Ion Ratio Lower Upper

91 100

126 17.2 13.5 20.3

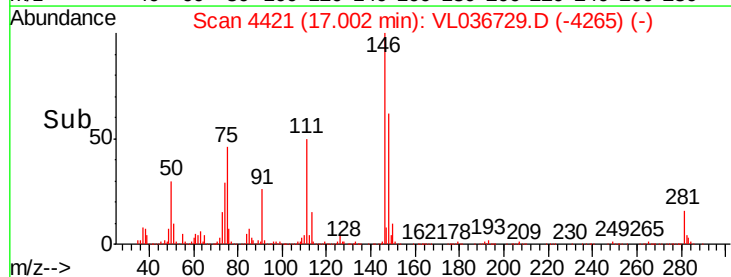
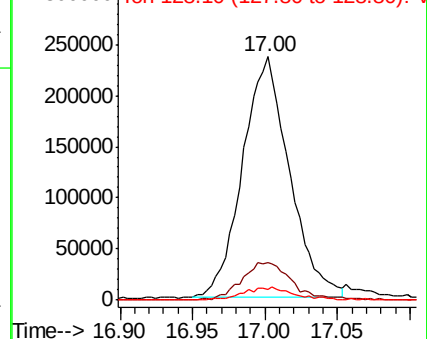
128 5.8 4.2 6.4

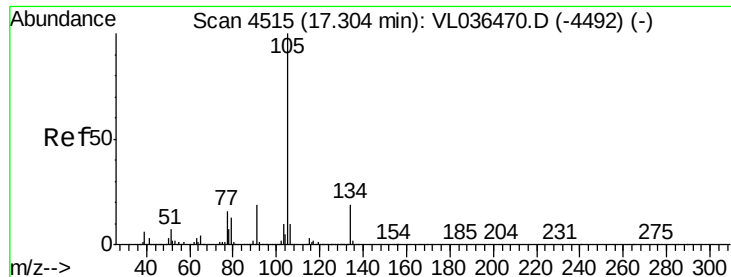


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.880 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleID :

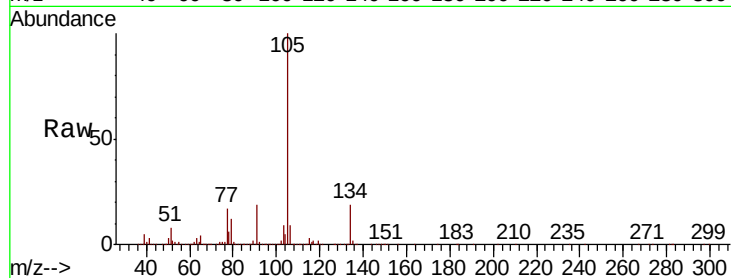
VL0407ABS01

Tot Ion:105 Resp: 6223269

Ion Ratio Lower Upper

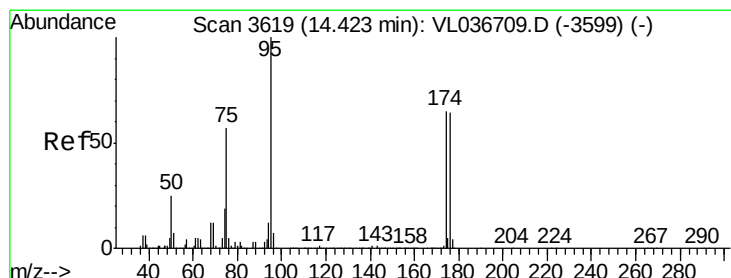
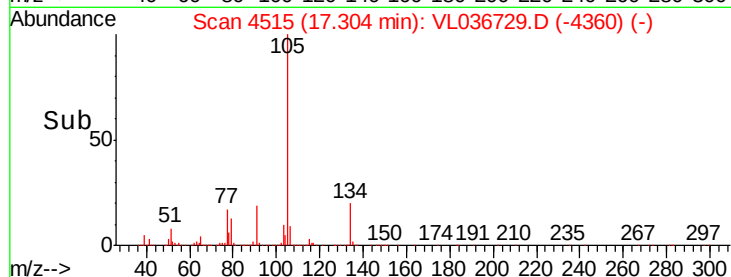
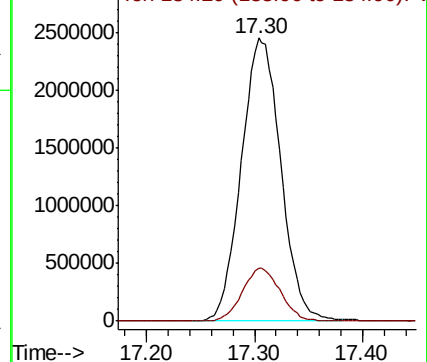
105 100

134 18.3 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.018 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

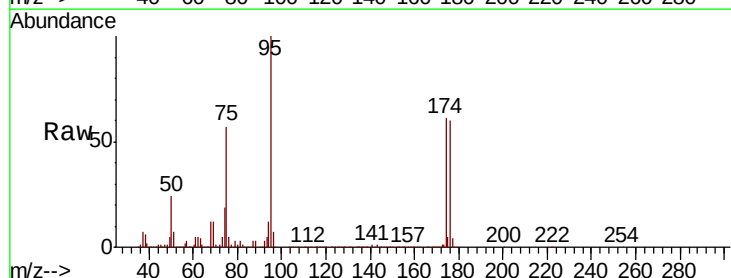
Tgt Ion: 95 Resp: 2495378

Ion Ratio Lower Upper

95 100

174 63.9 51.0 76.6

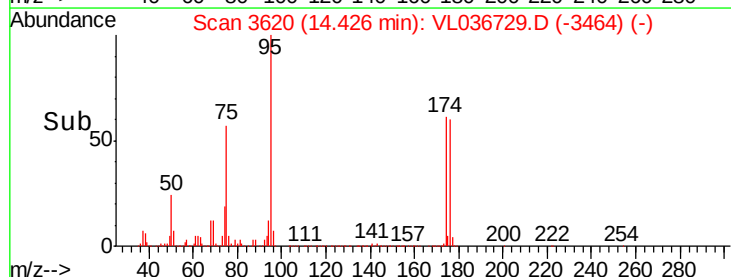
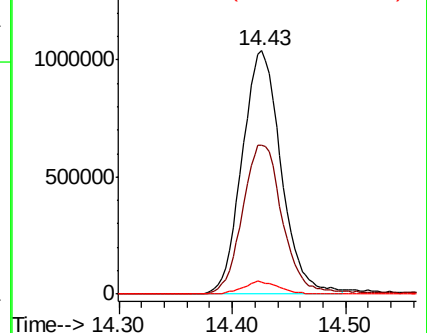
175 5.0 3.9 5.9

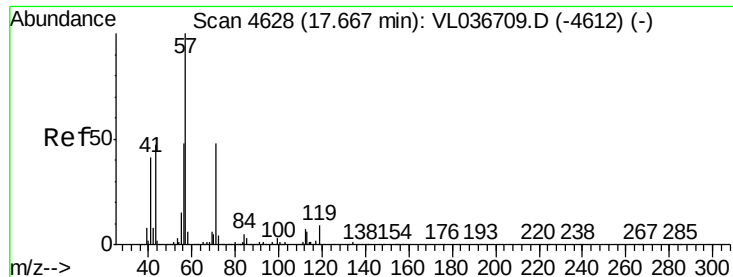


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 8.318 ppbv

RT: 17.66 min Scan# 4627

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

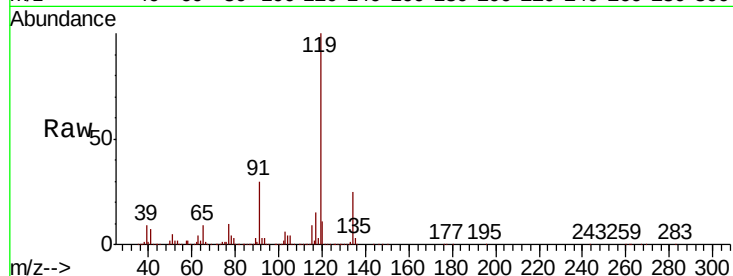
Tot Ion:119 Resp: 5129944

Ion Ratio Lower Upper

119 100

134 25.2 20.6 30.8

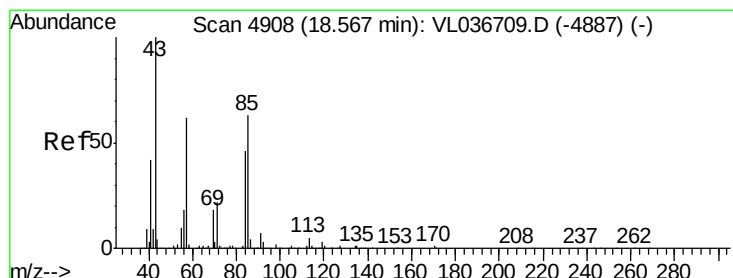
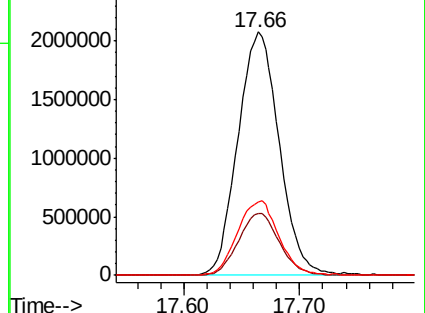
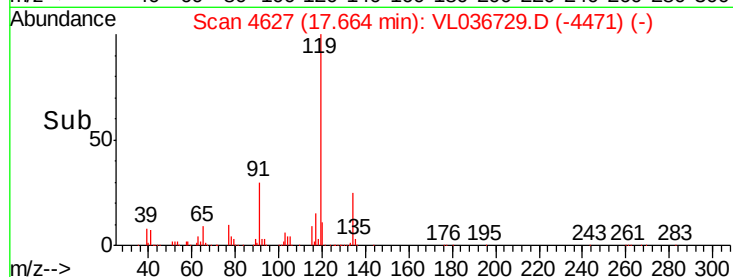
91 30.7 25.0 37.6



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0



#70

n-Butylbenzene

Concen: 8.232 ppbv

RT: 18.56 min Scan# 4907

Delta R.T. 0.01 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

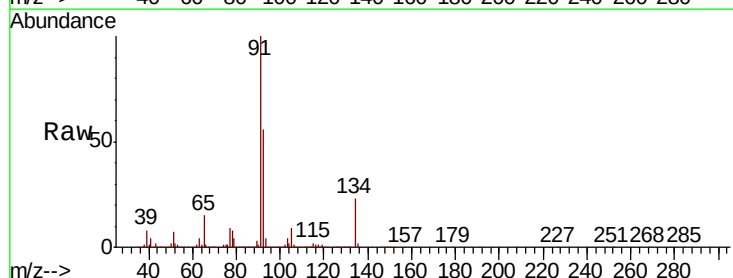
Tgt Ion: 91 Resp: 5264094

Ion Ratio Lower Upper

91 100

92 54.5 43.8 65.8

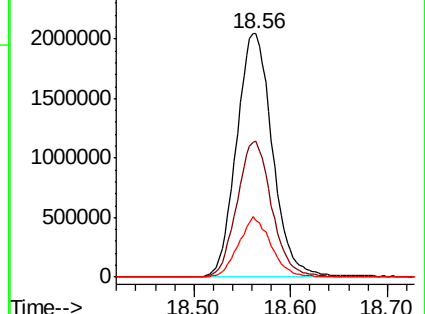
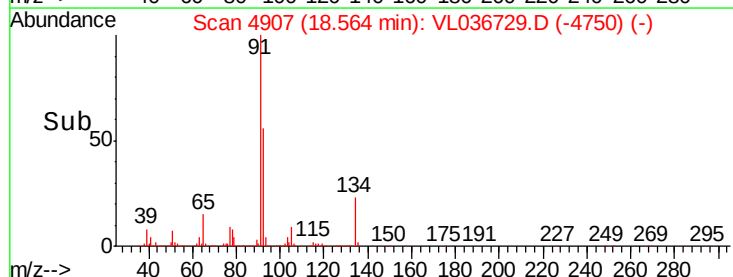
134 22.7 18.0 27.0

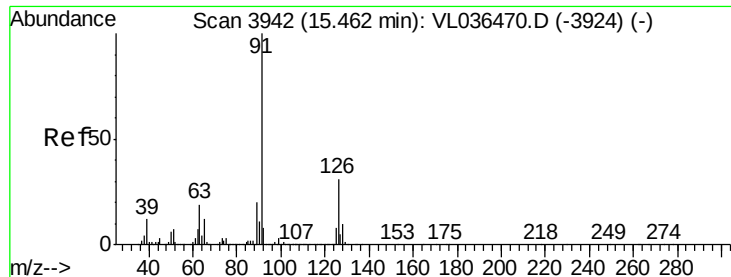


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.120 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

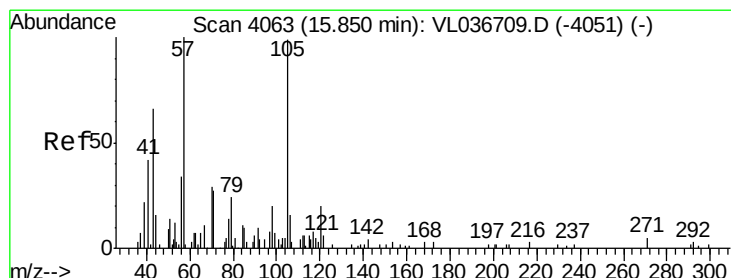
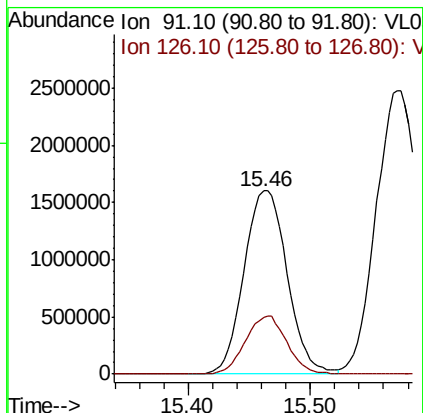
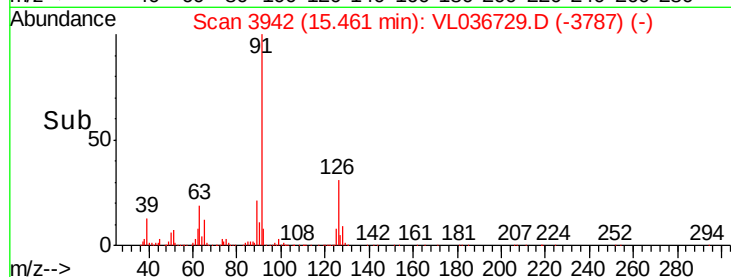
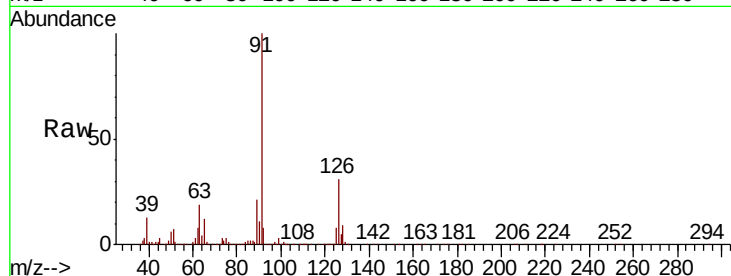
VL0407ABS01

Tot Ion: 91 Resp: 3926034

Ion Ratio Lower Upper

91 100

126 30.6 12.1 48.5



#72

4-Ethyltoluene

Concen: 8.472 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Tgt Ion:105 Resp: 4448089

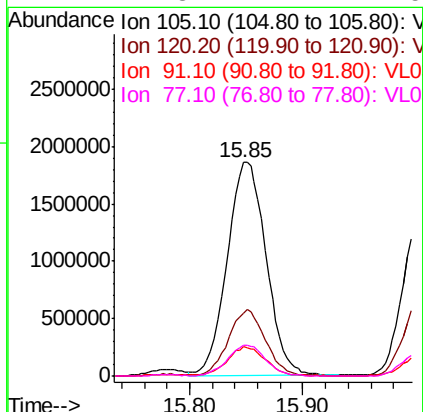
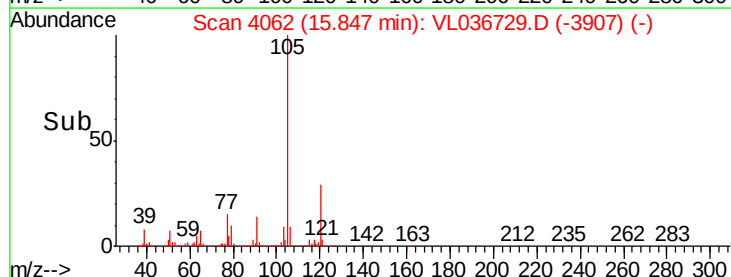
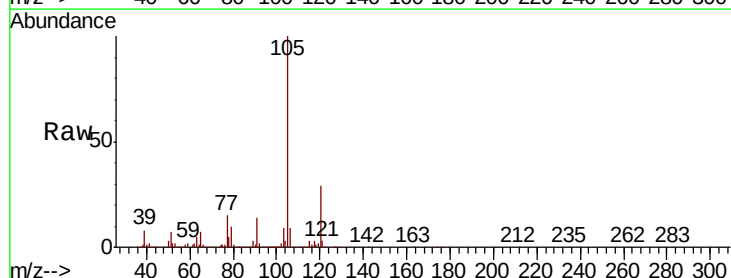
Ion Ratio Lower Upper

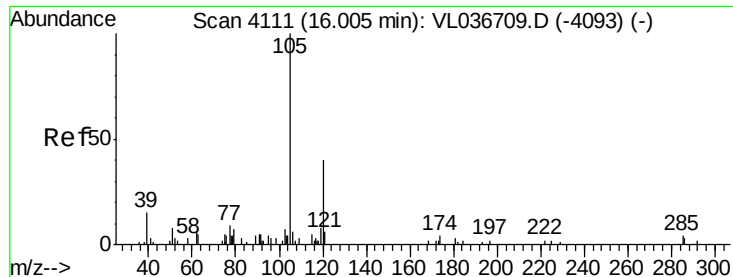
105 100

120 29.8 24.0 36.0

91 13.2 11.0 16.4

77 14.3 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 8.231 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

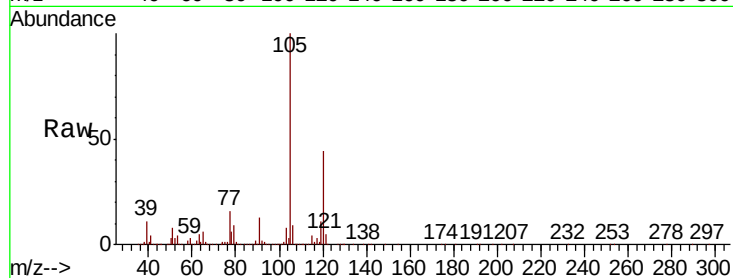
VL0407ABS01

Tot Ion:105 Resp: 4033582

Ion Ratio Lower Upper

105 100

120 44.4 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 120.20 (119.90 to 120.90): V

1500000

1000000

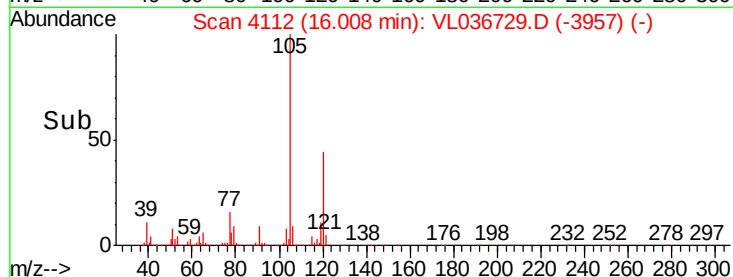
500000

0

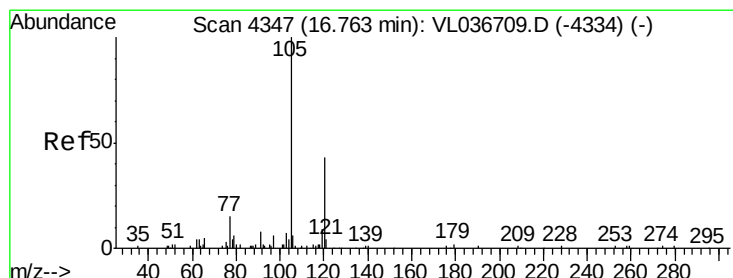
16.01

15.90

16.10



Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.864 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Tgt Ion:105 Resp: 4123671

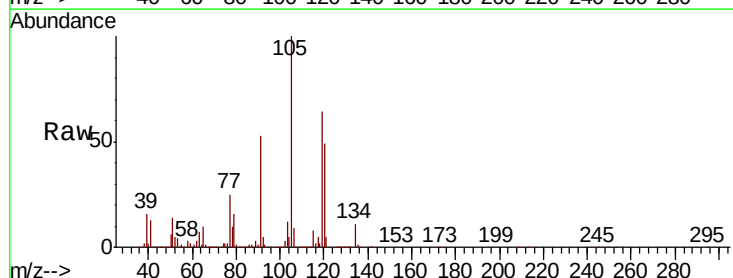
Ion Ratio Lower Upper

105 100

120 48.9 39.2 58.8

91 52.9 42.6 64.0

77 24.5 18.6 28.0



Abundance Ion 105.10 (104.80 to 105.80): V

2500000 Ion 120.20 (119.90 to 120.90): V

2000000 Ion 91.10 (90.80 to 91.80): VL0

1500000 Ion 77.10 (76.80 to 77.80): VL0

1000000

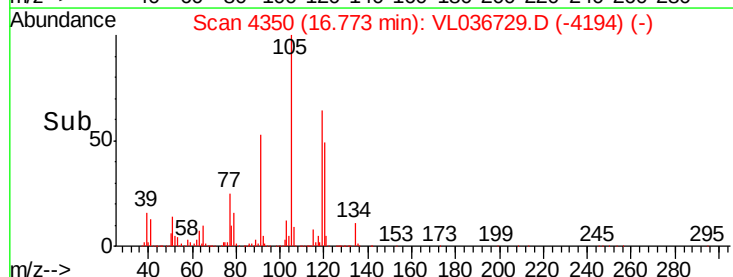
500000

0

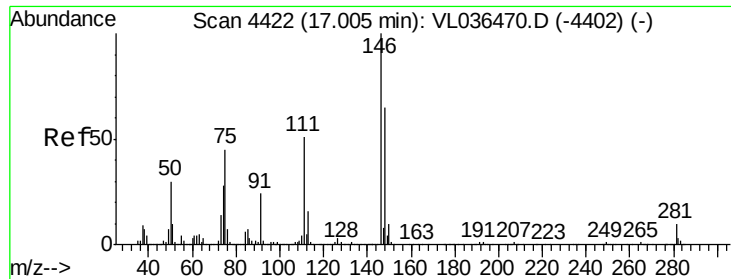
16.77

16.70

16.80



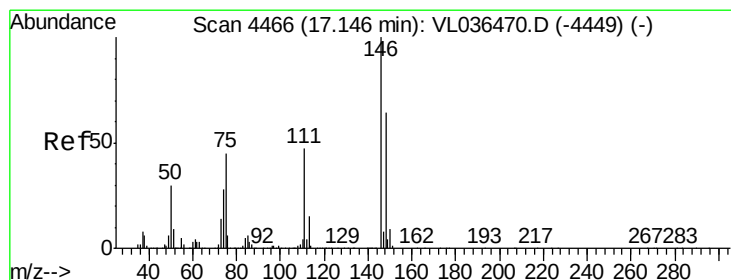
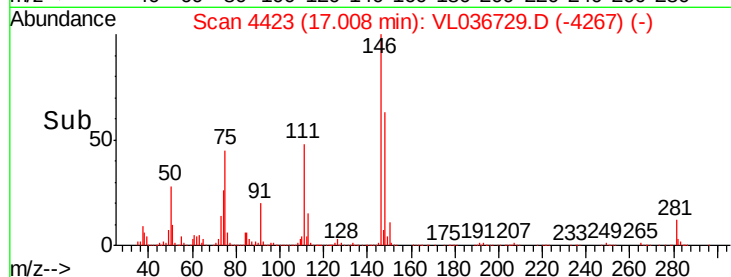
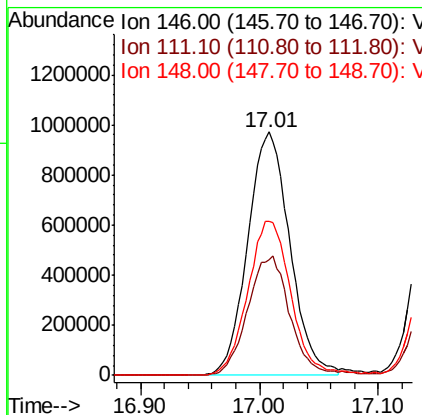
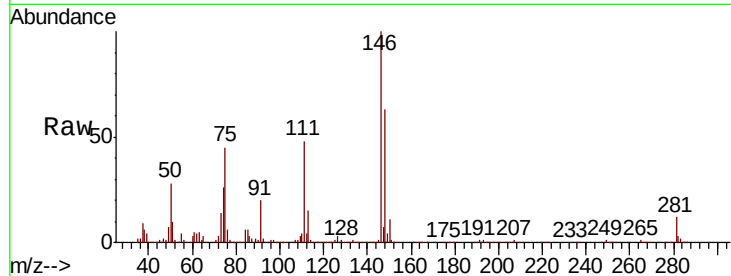
Time-->



#75
 1,3-Dichlorobenzene
 Concen: 8.074 ppbv
 RT: 17.01 min Scan# 4423
 Delta R.T. 0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

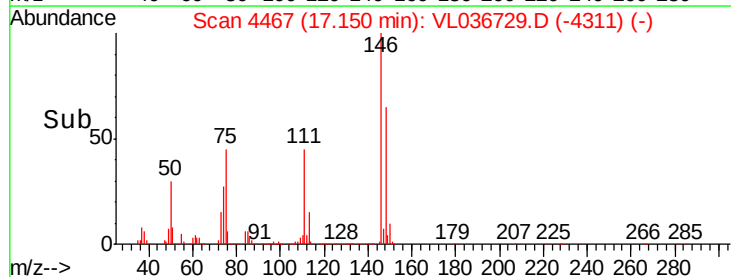
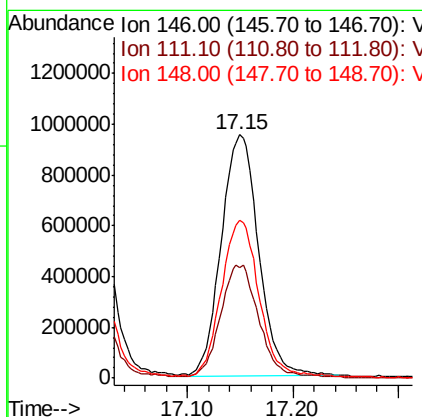
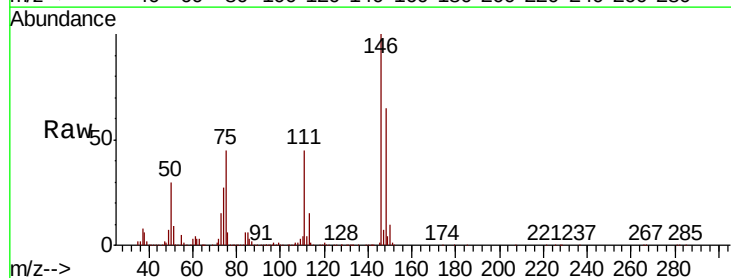
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

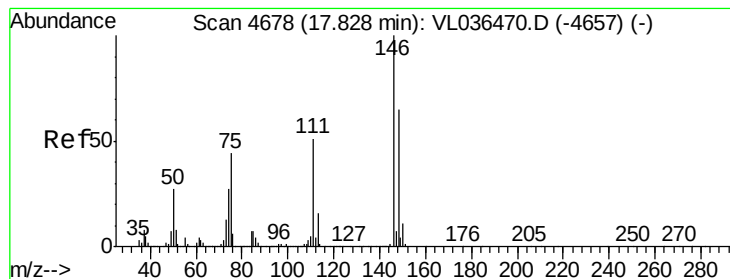
Tot Ion:146 Resp: 2383049
 Ion Ratio Lower Upper
 146 100
 111 49.3 24.5 73.5
 148 64.9 32.3 96.9



#76
 1,4-Dichlorobenzene
 Concen: 7.977 ppbv
 RT: 17.15 min Scan# 4467
 Delta R.T. 0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Tgt Ion:146 Resp: 2337678
 Ion Ratio Lower Upper
 146 100
 111 48.4 24.3 72.8
 148 66.3 33.0 98.9





#77

1,2-Dichlorobenzene

Concen: 8.285 ppbv

RT: 17.83 min Scan# 4678

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

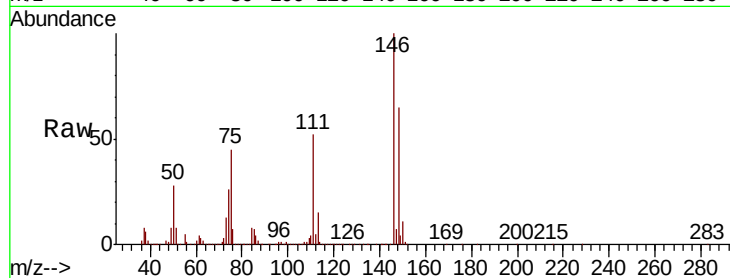
Tot Ion:146 Resp: 2298660

Ion Ratio Lower Upper

146 100

111 51.0 25.5 76.5

148 65.2 32.9 98.6

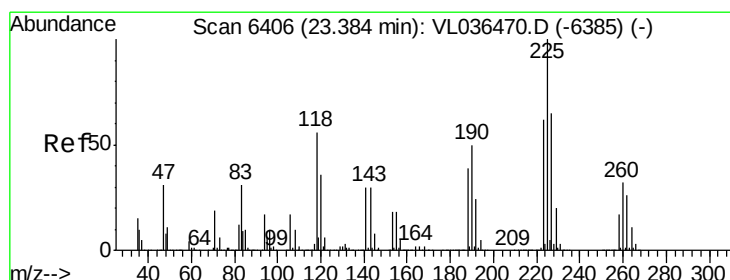
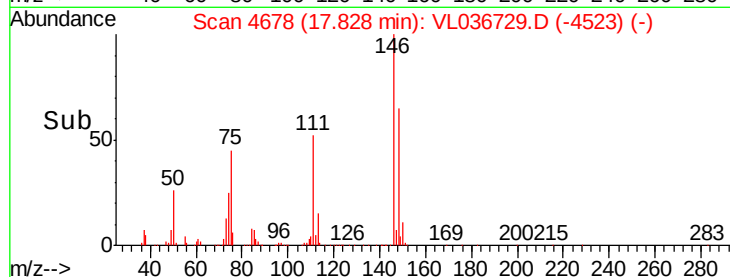
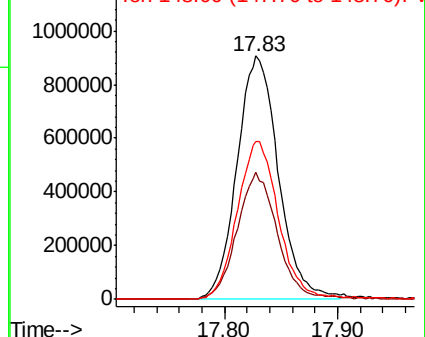


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.006 ppbv

RT: 23.39 min Scan# 6408

Delta R.T. 0.01 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

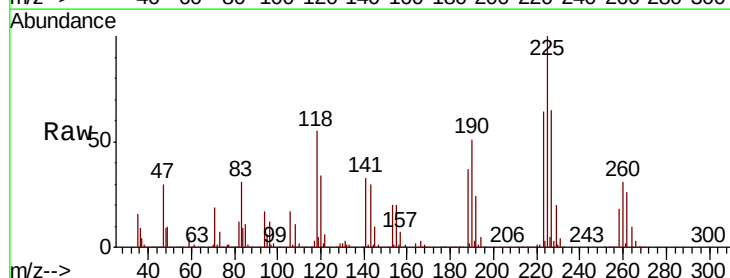
Tgt Ion:225 Resp: 1740742

Ion Ratio Lower Upper

225 100

223 63.6 50.6 75.8

227 64.0 52.2 78.2

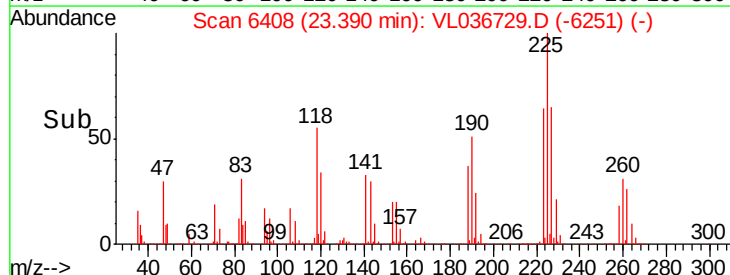
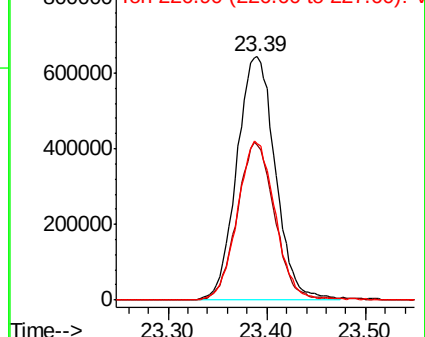


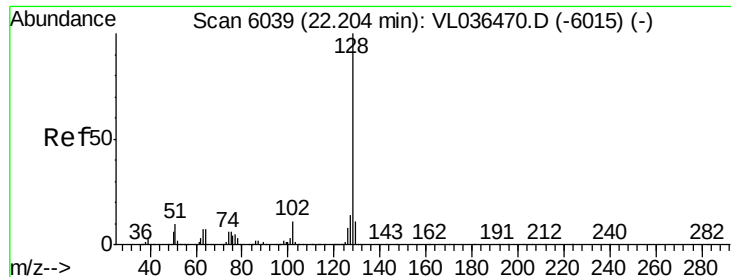
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.152 ppbv

RT: 22.21 min Scan# 6042

Delta R.T. 0.01 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

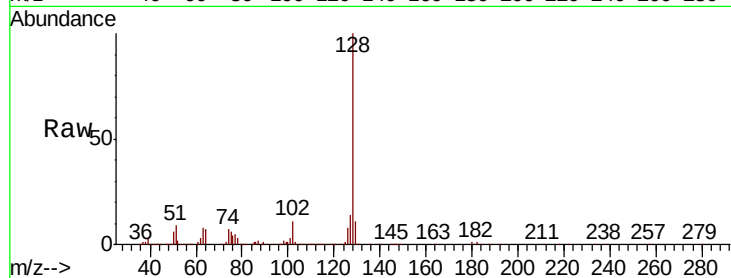
Tot Ion:128 Resp: 2800370

Ion Ratio Lower Upper

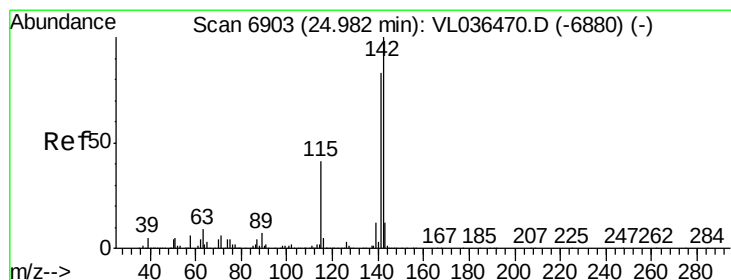
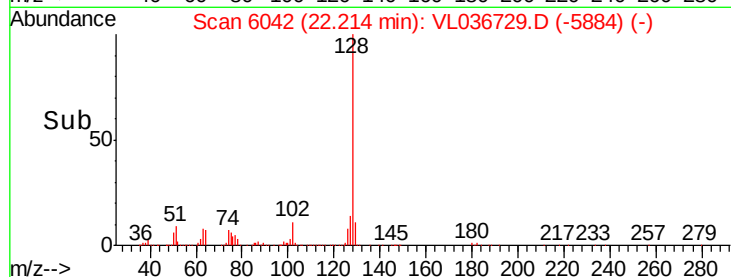
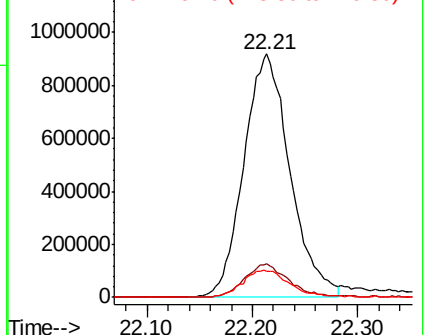
128 100

127 13.9 10.9 16.3

129 10.9 9.0 13.4



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



#80

Naphthalene, 2-methyl-

Concen: 6.586 ppbv

RT: 24.99 min Scan# 6905

Delta R.T. 0.01 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

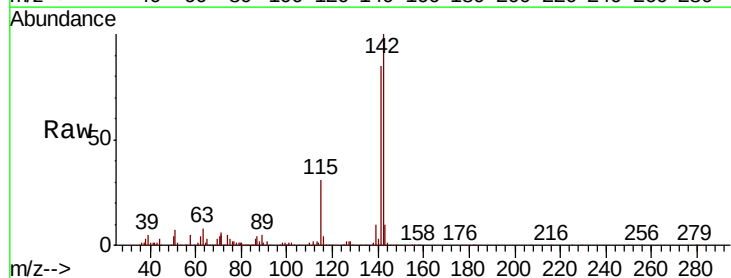
Tgt Ion:142 Resp: 397414

Ion Ratio Lower Upper

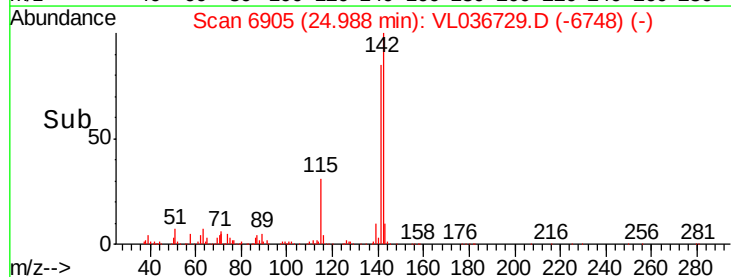
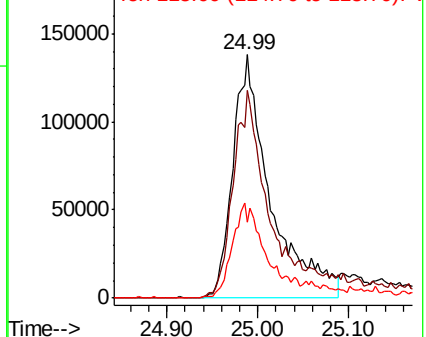
142 100

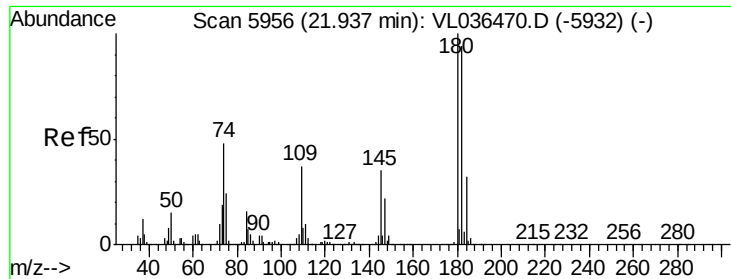
141 88.7 67.8 101.8

115 44.0 34.0 51.0



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.654 ppbv
 RT: 21.94 min Scan# 5957
 Delta R.T. 0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion:180 Resp: 1634986
 Ion Ratio Lower Upper
 180 100
 182 99.5 80.8 121.2
 184 32.2 25.0 37.4

