

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036593.D
 Acq On : 31 Mar 2021 7:45
 Operator : SY/AP
 Sample : VL0331ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:51:58 PM

Quant Time: Mar 31 08:41:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1324313	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3150411	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2973212m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2519805	10.63	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2158311	9.992	ppbv	97
3) Chlorodifluoromethane	2.98	51	2641992	10.678	ppbv	100
4) Chloromethane	3.13	50	918425	10.509	ppbv	98
5) Vinyl Chloride	3.25	62	898401	9.997	ppbv	98
6) Bromomethane	3.47	94	499449	10.095	ppbv	99
7) Chloroethane	3.55	64	303523	9.829	ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	2156539	10.461	ppbv	98
9) Propene	3.00	41	793901	10.065	ppbv	99
10) Heptane	8.11	43	2147892	10.689	ppbv	99
11) Trichlorofluoromethane	3.94	101	2237830	10.166	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1486687	10.563	ppbv	97
13) Ethanol	3.60	45	85807m	9.135	ppbv	
14) Bromoethene	3.73	108	628005	10.733	ppbv	98
15) Acetone	3.84	43	1367478	10.491	ppbv	99
16) 1,3-Butadiene	3.32	39	952353	10.495	ppbv	98
17) tert-Butyl alcohol	4.29	59	1036162	9.132	ppbv	100
18) 1,1-Dichloroethene	4.28	96	639056	10.208	ppbv	94
19) Isopropyl Alcohol	3.96	45	558781	7.793	ppbv	98
20) Methylene Chloride	4.34	84	578747	9.483	ppbv	97
21) Allyl Chloride	4.40	41	1028338	9.897	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	606014	10.442	ppbv	90
23) Vinyl Acetate	5.07	43	2289341	10.268	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1666864	10.257	ppbv	99
25) Ethyl Acetate	5.67	43	3113408	10.047	ppbv	99
26) Hexane	5.68	57	1518073	10.556	ppbv	97
27) Carbon Disulfide	4.54	76	1625881	11.477	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1652551	9.744	ppbv	99
29) Chloroform	5.74	83	2354844	10.239	ppbv	99
30) Cyclohexane	7.12	84	1246085	10.684	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1467153	10.548	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	2373152	10.239	ppbv	99
34) 2-Butanone	5.24	43	1491935	9.702	ppbv	99
35) Carbon Tetrachloride	7.01	117	2497153	10.320	ppbv	97
36) Benzene	6.88	78	3068497	10.561	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1808334	10.574	ppbv	100
38) Trichloroethene	7.83	130	1108096	9.800	ppbv	98
39) 1,2-Dichloropropane	7.61	63	1236236	10.489	ppbv	97
40) 1,4-Dioxane	7.83	88	230600m	8.406	ppbv	
41) Tetrahydrofuran	6.04	42	614254	8.663	ppbv	96
42) Bromodichloromethane	7.78	83	2526152	10.860	ppbv	98
43) Methyl Methacrylate	8.01	69	1162198	11.912	ppbv	98

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5268697	10.303	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1043403	9.366	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1352073	9.494	ppbv	95
47) 1,1,2-Trichloroethane	9.47	97	1235010	10.345	ppbv	96
48) Dibromochloromethane	10.30	129	2025990	11.133	ppbv	100
49) Bromoform	13.04	173	1686356	11.501	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2265410	10.181	ppbv	99
51) 2-Hexanone	10.13	43	1197948	10.668	ppbv #	98
52) Tetrachloroethene	11.22	164	1047964	9.795	ppbv	98
53) Toluene	9.80	91	3415323	11.038	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1761853	10.450	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1433180	10.657	ppbv	94
57) Chlorobenzene	12.14	112	2520965	9.965	ppbv	99
58) Ethyl Benzene	12.70	91	4633247	10.711	ppbv	98
59) m/p-Xylene	12.99	91	7899338m	20.937	ppbv	
60) o-Xylene	13.69	91	3724047	10.208	ppbv	100
61) Styrene	13.52	104	2018146m	10.996	ppbv	
62) Isopropylbenzene	14.66	105	5119331	10.421	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2697516	9.693	ppbv	100
64) n-propylbenzene	15.56	120	1333730	11.104	ppbv	97
65) tert-Butylbenzene	16.74	119	4434344	10.409	ppbv	99
66) Benzyl Chloride	16.99	91	524492m	11.139	ppbv	
67) sec-Butylbenzene	17.29	105	6271883	10.430	ppbv	100
69) p-Isopropyltoluene	17.65	119	5162385	10.994	ppbv	100
70) n-Butylbenzene	18.55	91	5362249	11.014	ppbv	100
71) 2-Chlorotoluene	15.45	91	4004748	10.879	ppbv	100
72) 4-Ethyltoluene	15.83	105	4302958	10.764	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	3958438	10.610	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4112348	10.300	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	2373592	10.562	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2248563	10.077	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2249321	10.648	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1722832	9.106	ppbv	98
79) Naphthalene	22.19	128	2578501	11.068	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	345929	7.530	ppbv	99
81) 1,2,4-Trichlorobenzene	21.92	180	1580938	10.991	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL036593.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

Tot Ion: 49 Resp: 1324313

Ion Ratio Lower Upper

49 100

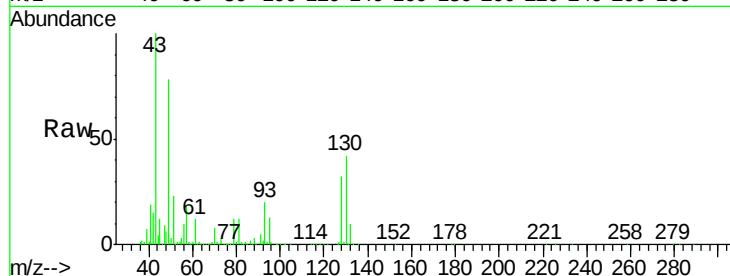
128 47.0 23.5 70.6

130 57.2 29.1 87.4

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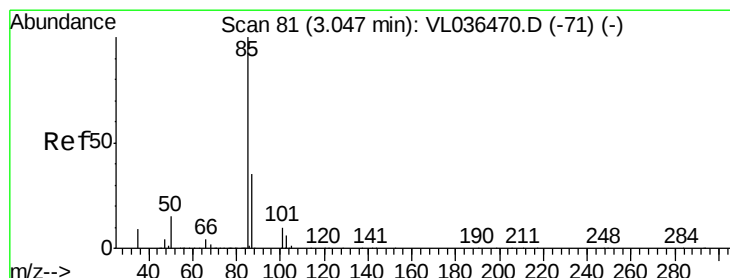
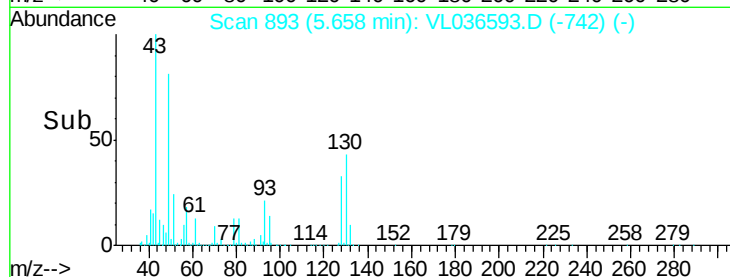
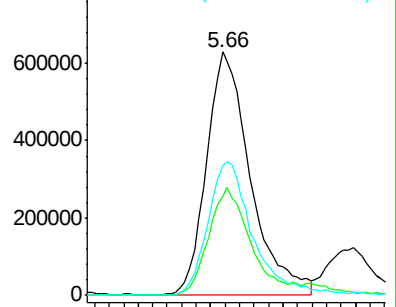
4/2/2021 6:51:58 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.992 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036593.D

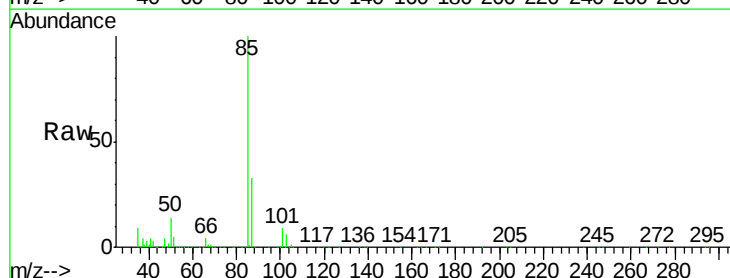
Acq: 31 Mar 2021 7:45

Tgt Ion: 85 Resp: 2158311

Ion Ratio Lower Upper

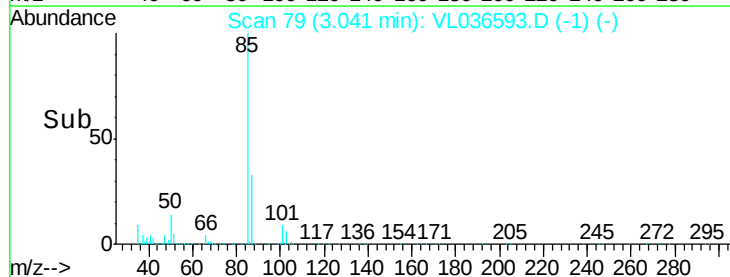
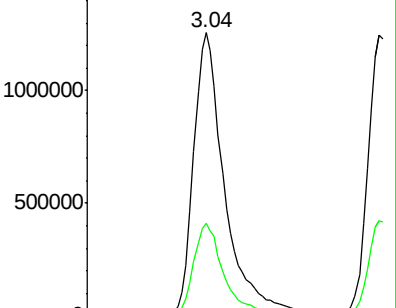
85 100

87 32.9 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

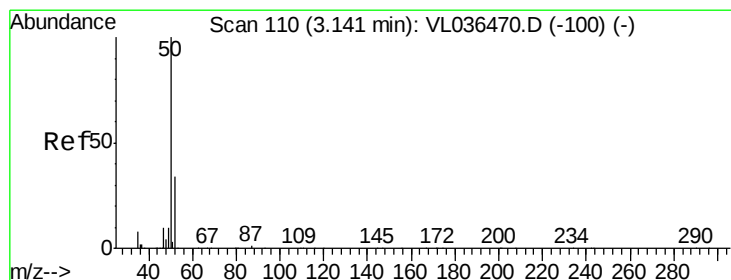
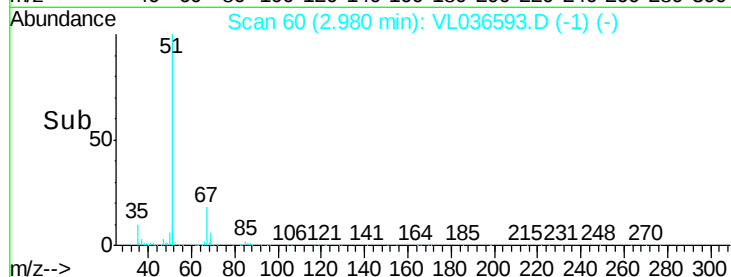
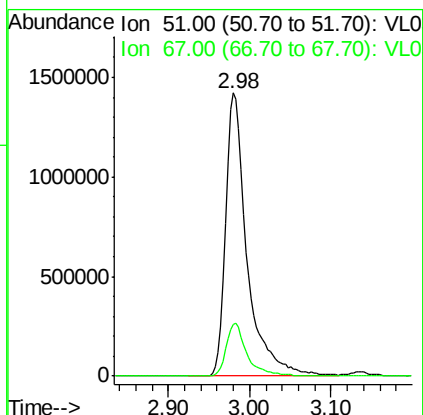
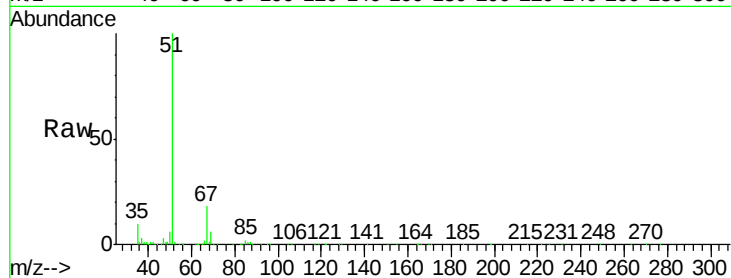
Chlorodifluoromethane
Concen: 10.678 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

Tot Ion: 51 Resp: 2641992
Ion Ratio Lower Upper
51 100
67 18.5 14.7 22.1

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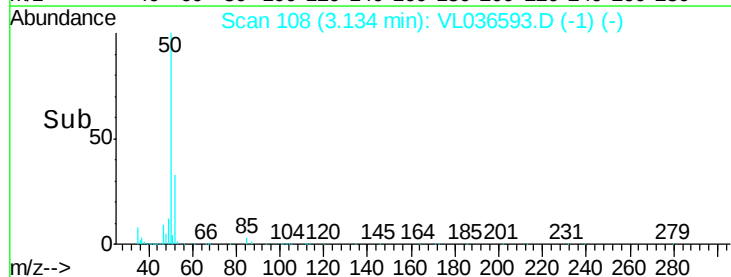
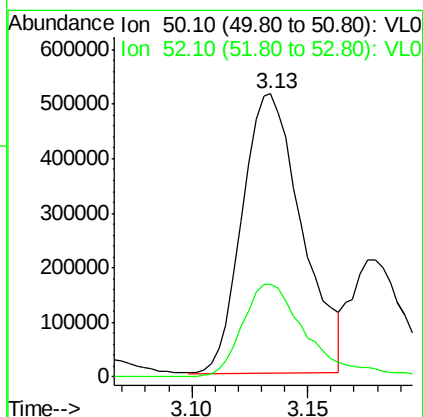
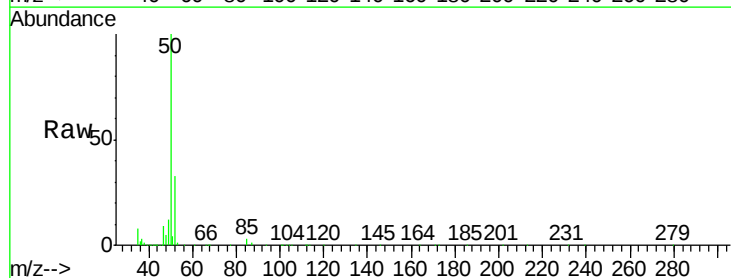
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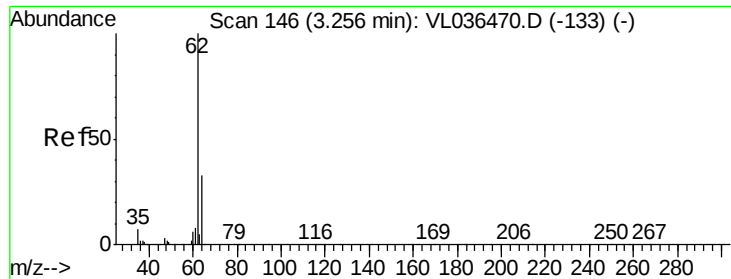


#4

Chloromethane
Concen: 10.509 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion: 50 Resp: 918425
Ion Ratio Lower Upper
50 100
52 32.9 27.0 40.6





#5

Vinyl Chloride

Concen: 9.997 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

Tot Ion: 62 Resp: 898401

Ion Ratio Lower Upper

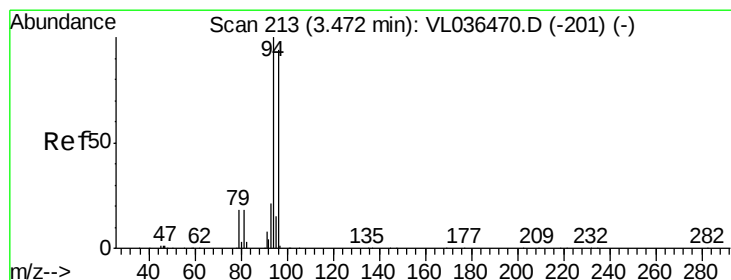
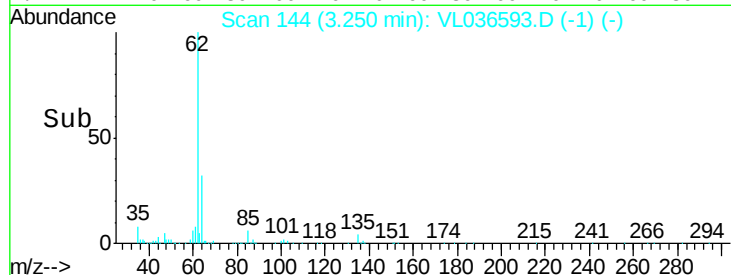
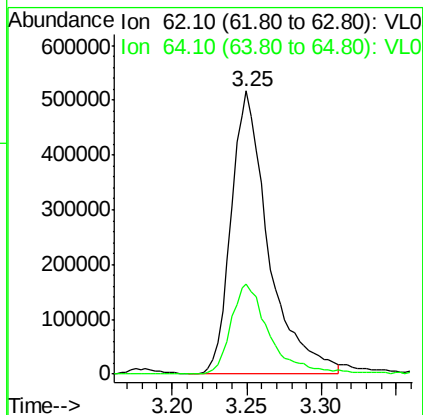
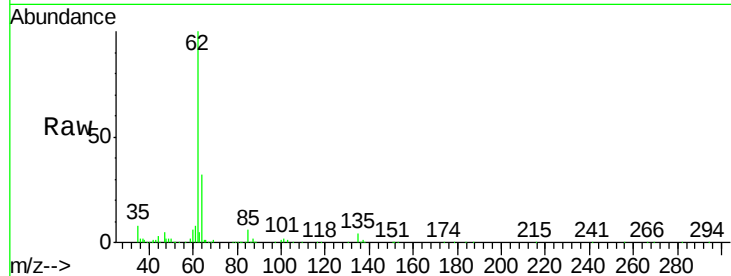
62 100

64 31.9 26.4 39.6

Manual Integrations
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#6

Bromomethane

Concen: 10.095 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL036593.D

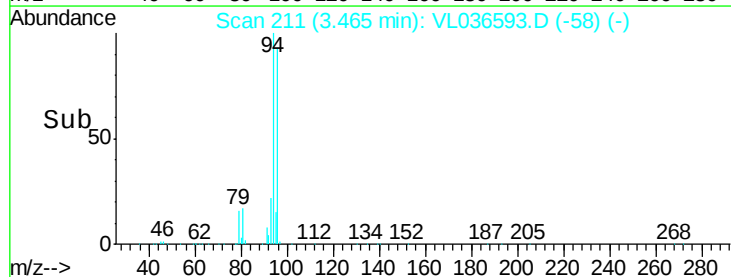
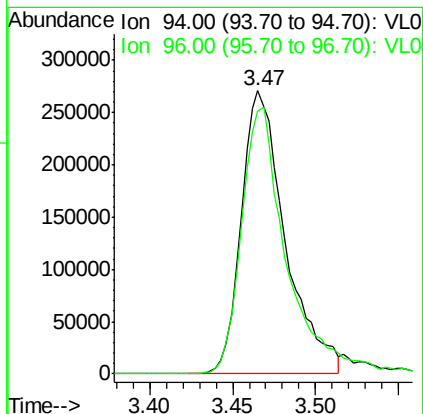
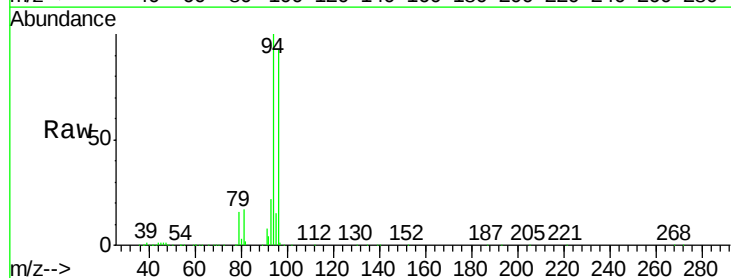
Acq: 31 Mar 2021 7:45

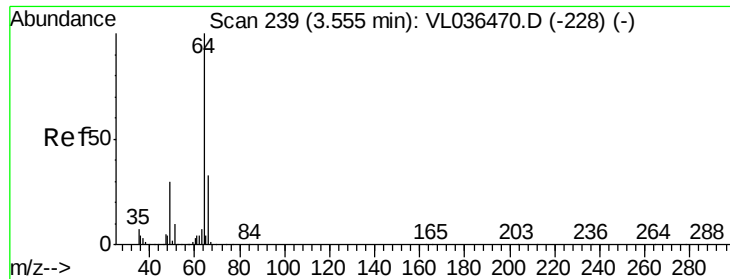
Tgt Ion: 94 Resp: 499449

Ion Ratio Lower Upper

94 100

96 92.8 74.9 112.3





#7

Chloroethane

Concen: 9.829 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

Tot Ion: 64 Resp: 303523

Ion Ratio Lower Upper

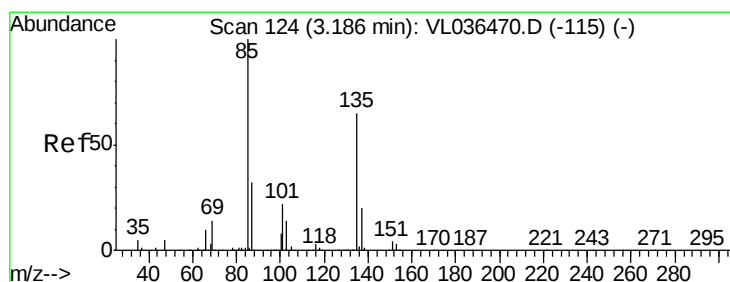
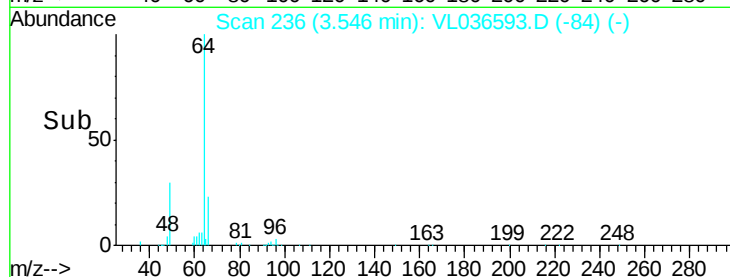
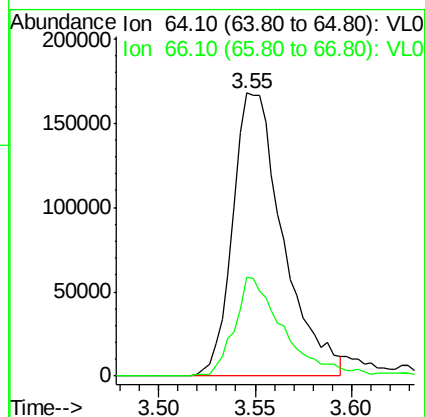
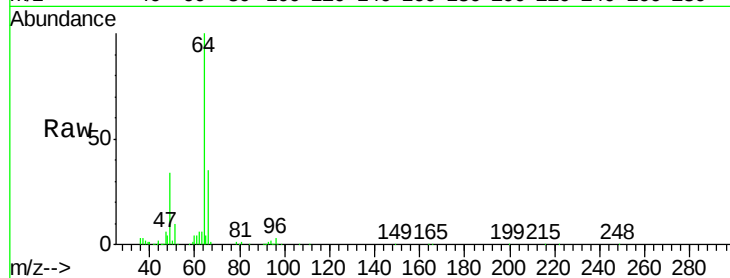
64 100

66 34.9 26.2 39.2

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#8

Dichlorotetrafluoroethane

Concen: 10.461 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL036593.D

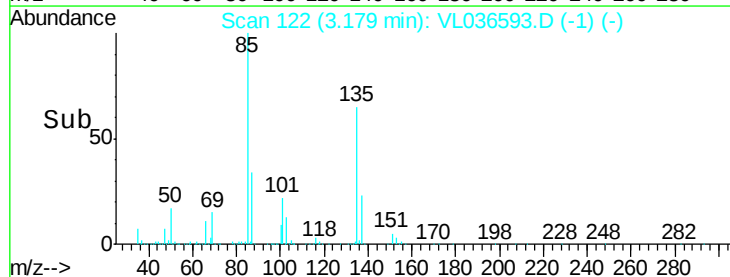
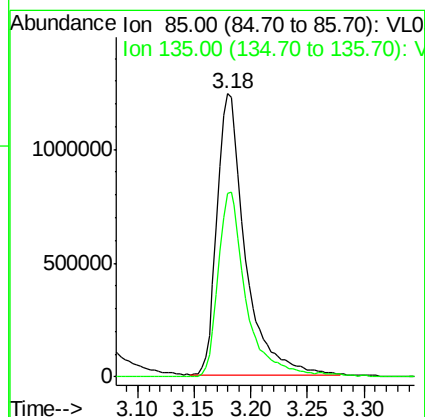
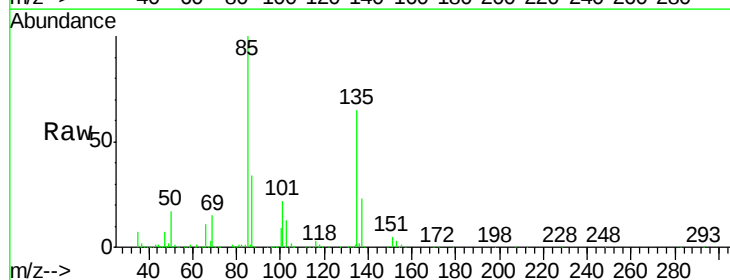
Acq: 31 Mar 2021 7:45

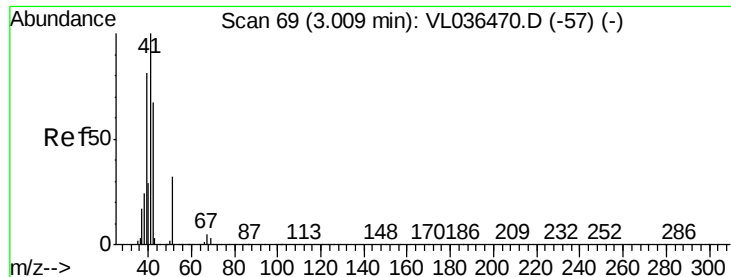
Tgt Ion: 85 Resp: 2156539

Ion Ratio Lower Upper

85 100

135 66.3 54.3 81.5





#9

Propene

Concen: 10.065 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

Tot Ion: 41 Resp: 793901

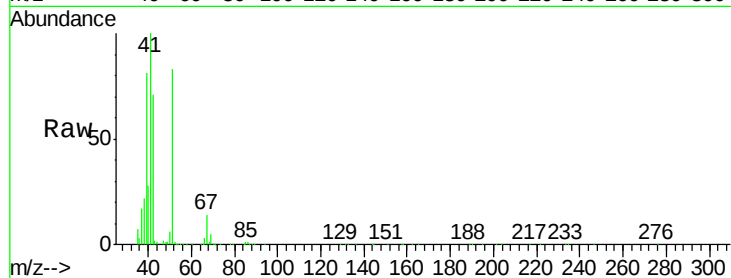
Ion Ratio Lower Upper

41 100

42 72.1 57.0 85.4

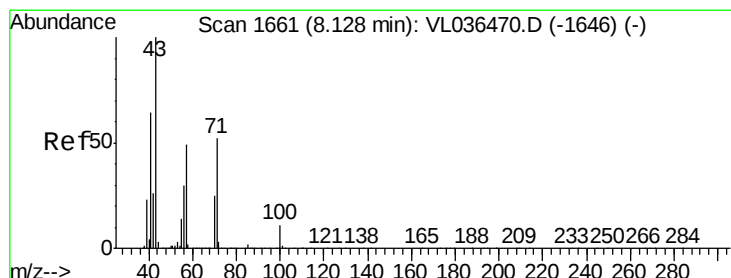
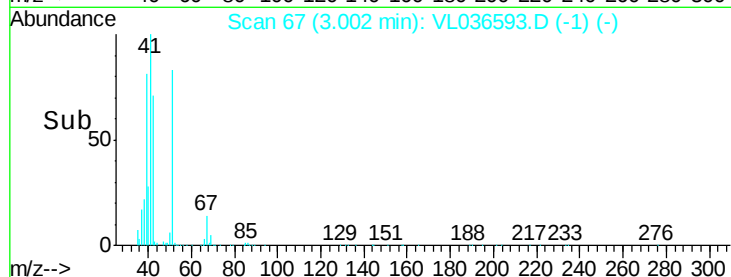
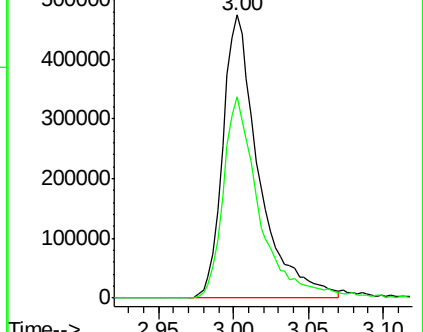
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.689 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VL036593.D

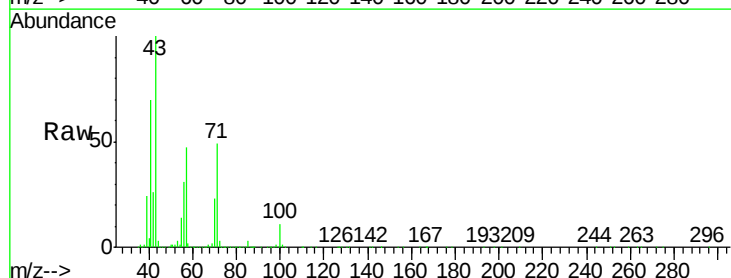
Acq: 31 Mar 2021 7:45

Tgt Ion: 43 Resp: 2147892

Ion Ratio Lower Upper

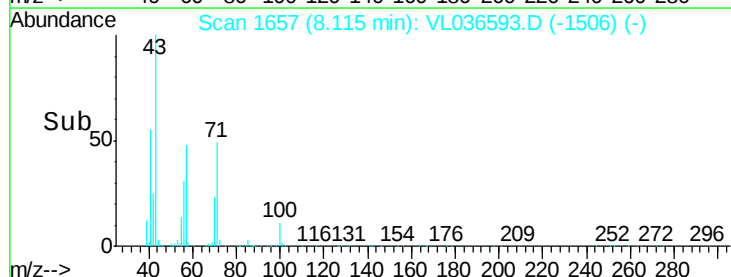
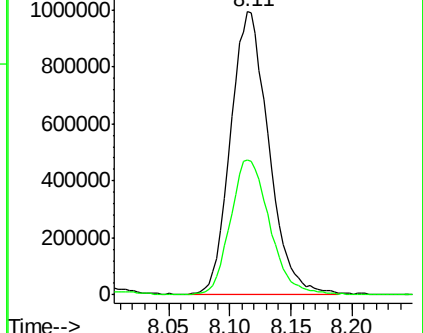
43 100

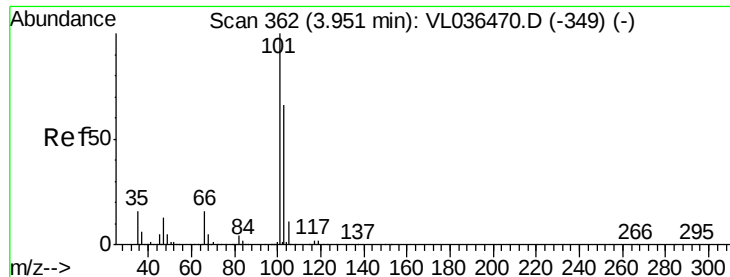
57 49.5 39.0 58.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





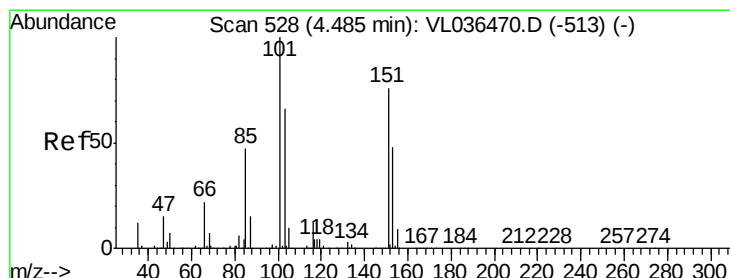
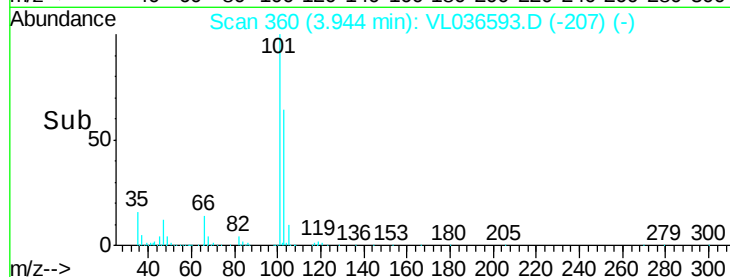
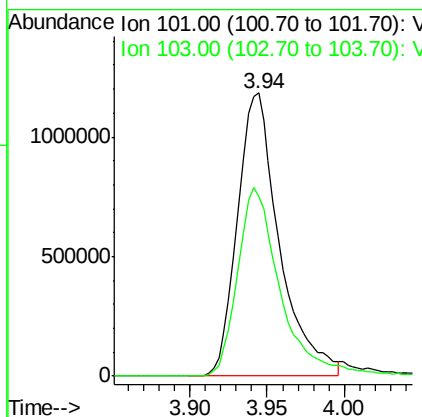
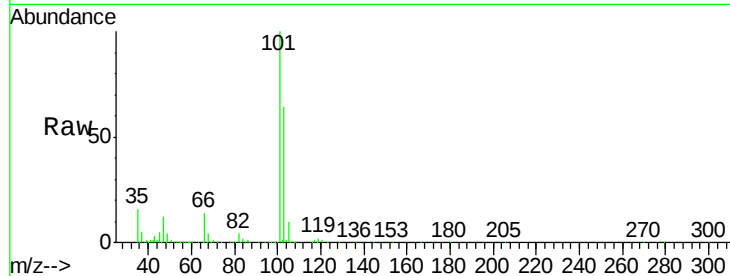
#11
 Trichlorofluoromethane
 Concen: 10.166 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01

Tot Ion:101 Resp: 2237830
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.5 78.7

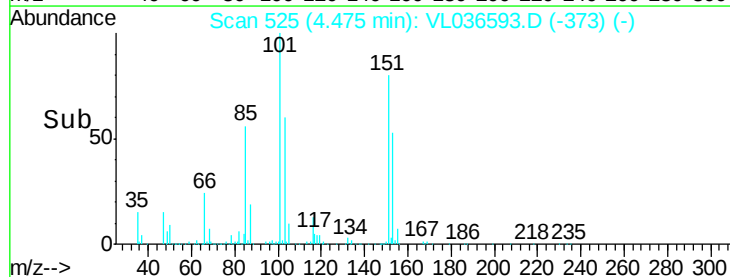
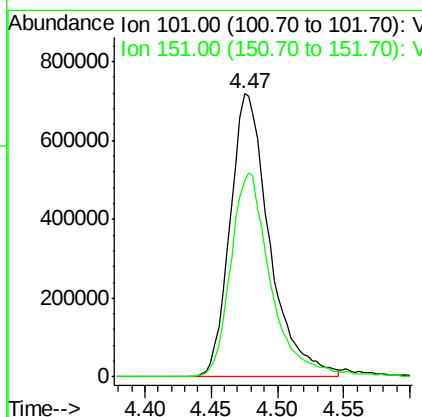
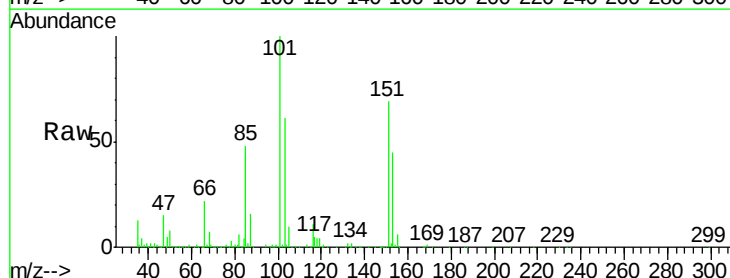
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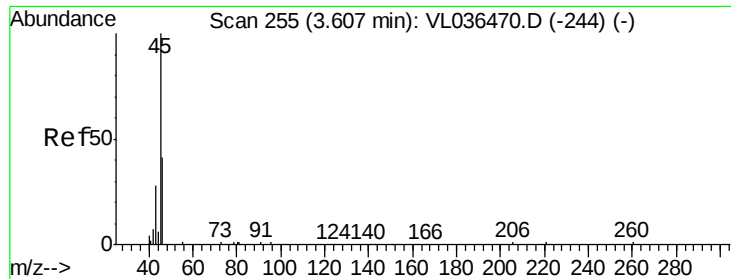
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.563 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Tgt Ion:101 Resp: 1486687
 Ion Ratio Lower Upper
 101 100
 151 73.9 60.9 91.3





#13

Ethanol

Concen: 9.135 ppbv m

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Tot Ion: 45 Resp: 85807

Ion Ratio Lower Upper

45 100

46 35.5 16.6 66.2

Instrument :

MSVOA_L

ClientSampleId :

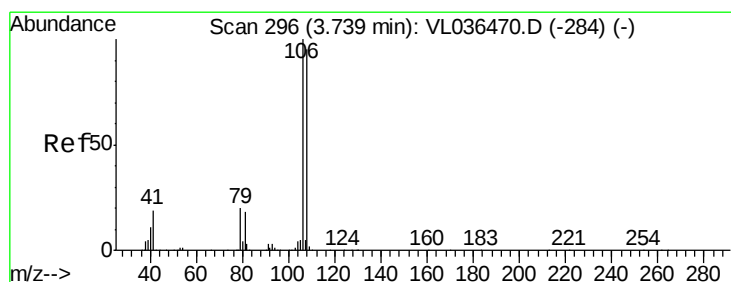
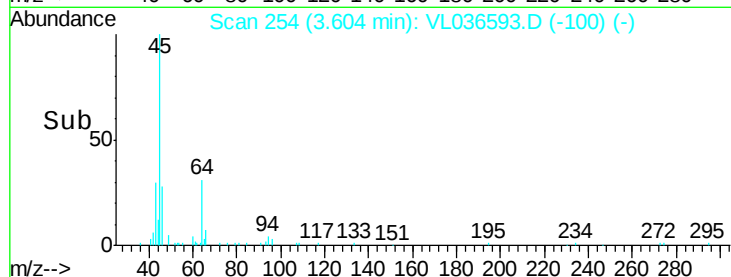
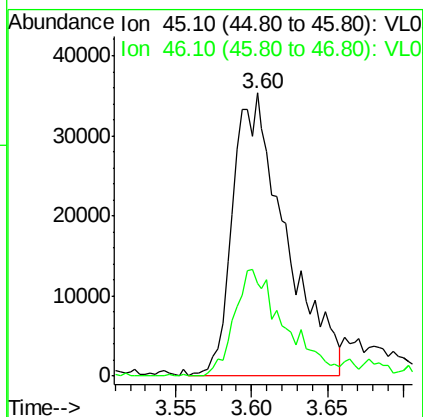
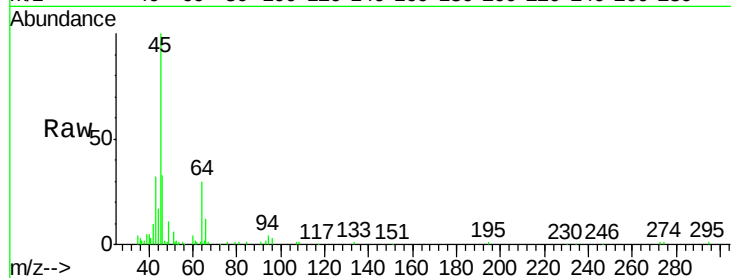
VL0331ABS01

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#14

Bromoethene

Concen: 10.733 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

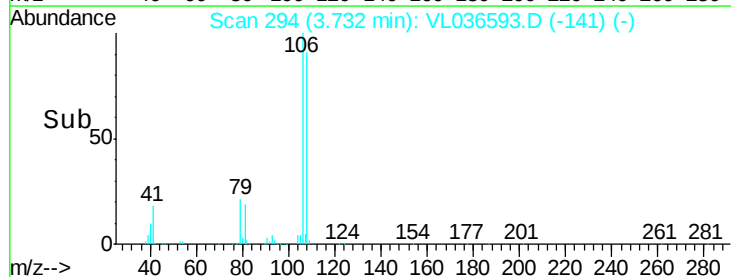
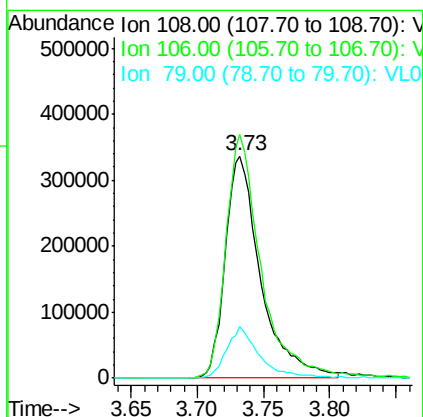
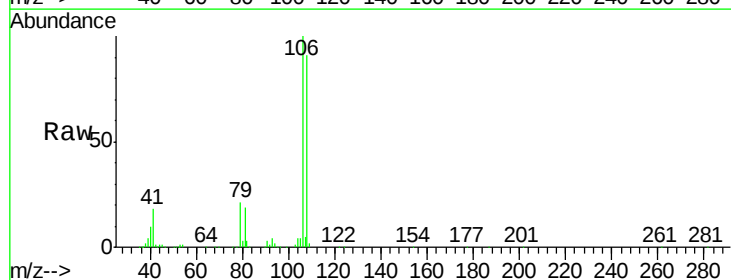
Tgt Ion: 108 Resp: 628005

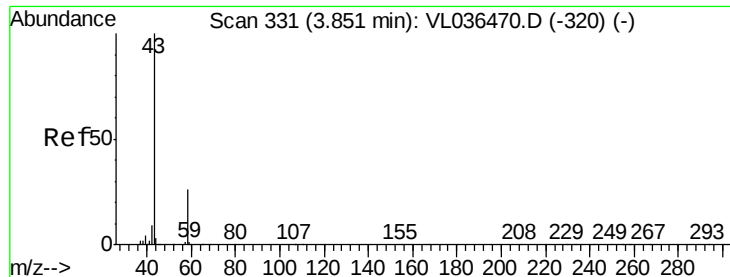
Ion Ratio Lower Upper

108 100

106 109.8 89.0 133.6

79 22.3 16.6 25.0





#15

Acetone

Concen: 10.491 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

Tot Ion: 43 Resp: 1367478

Ion Ratio Lower Upper

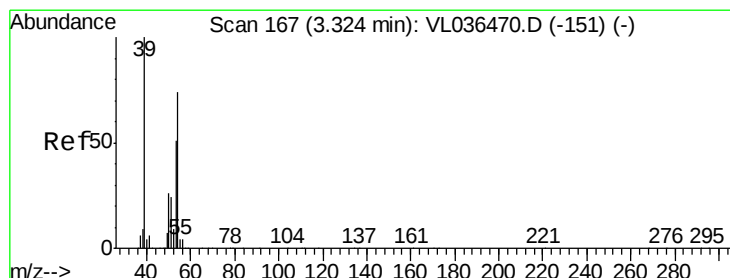
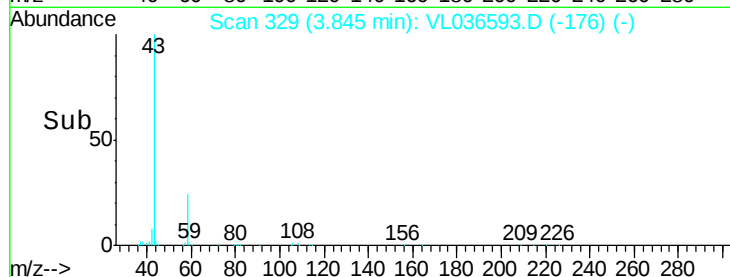
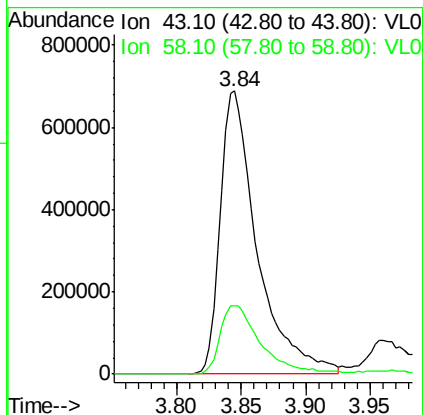
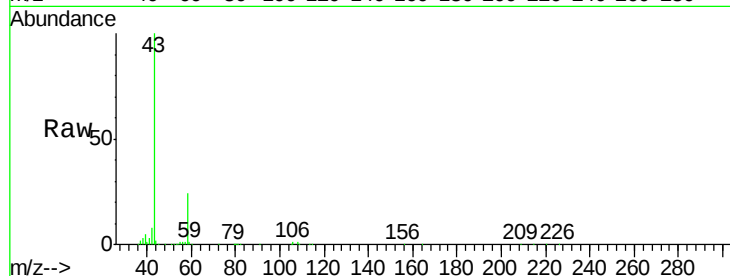
43 100

58 26.9 21.2 31.8

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#16

1,3-Butadiene

Concen: 10.495 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL036593.D

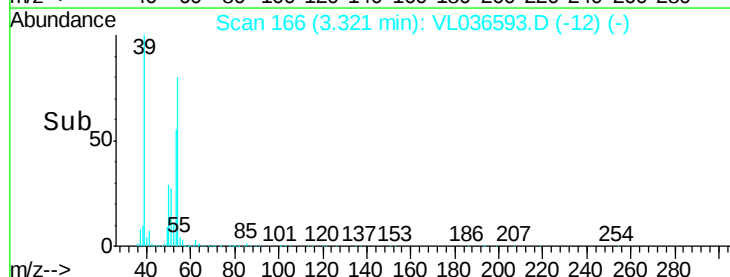
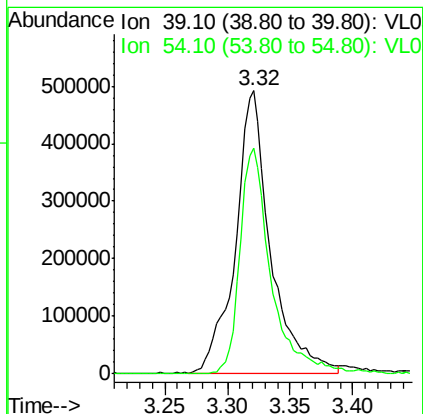
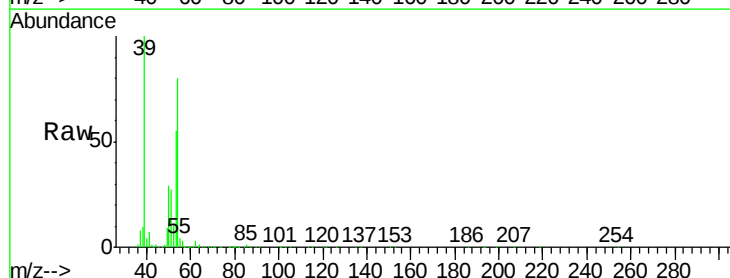
Acq: 31 Mar 2021 7:45

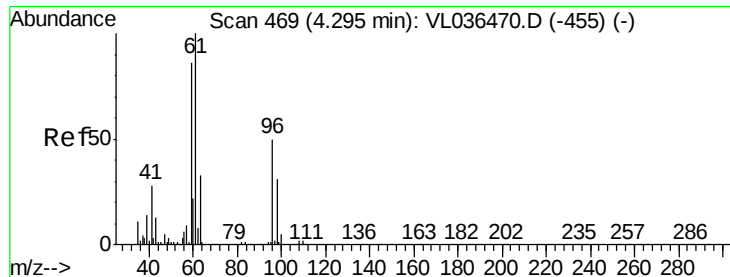
Tgt Ion: 39 Resp: 952353

Ion Ratio Lower Upper

39 100

54 71.8 58.8 88.2





#17

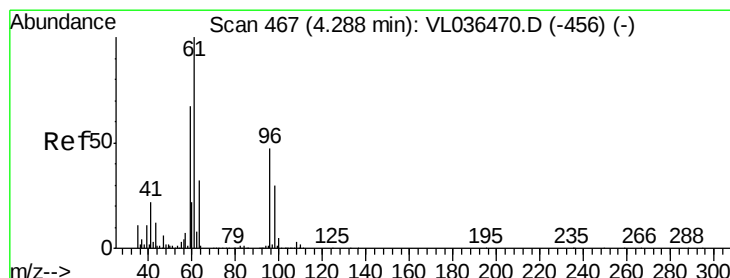
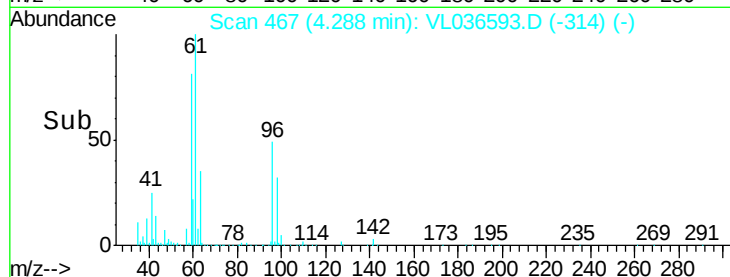
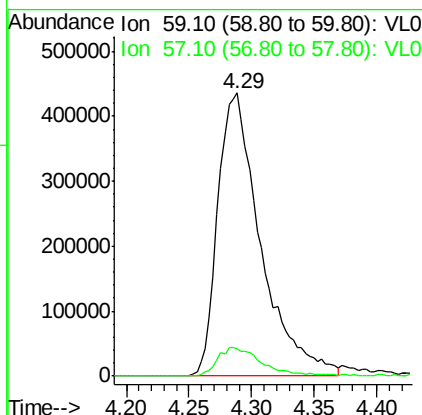
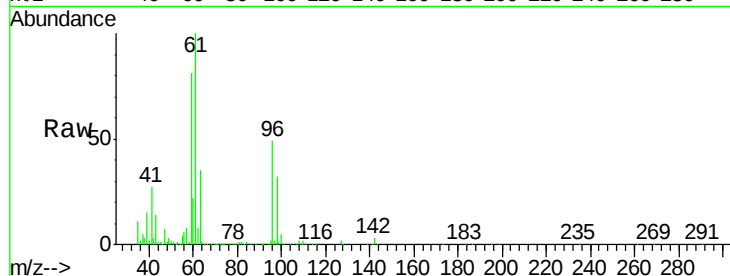
tert-Butyl alcohol
Concen: 9.132 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Instrument :
MSVOA_L
ClientSampleID :
VL0331ABS01

Tot Ion: 59 Resp: 1036162
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

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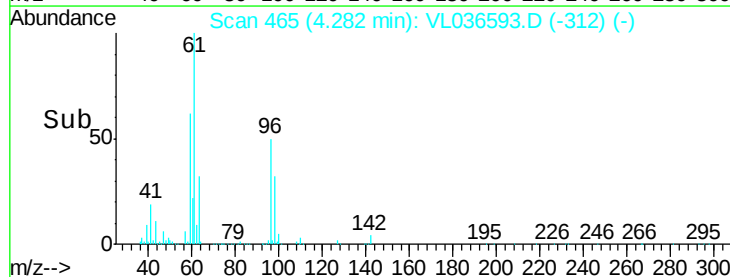
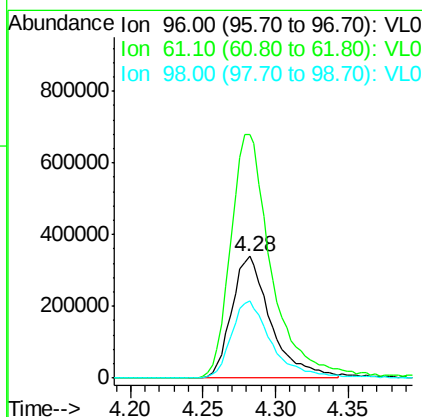
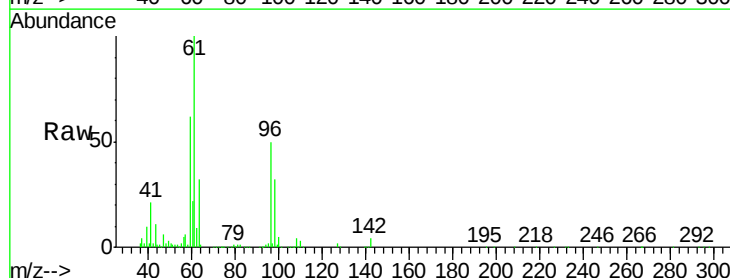
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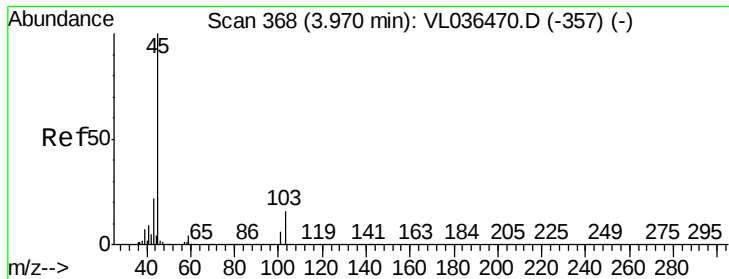


#18

1,1-Dichloroethene
Concen: 10.208 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion: 96 Resp: 639056
Ion Ratio Lower Upper
96 100
61 199.6 168.6 253.0
98 63.8 50.8 76.2





#19

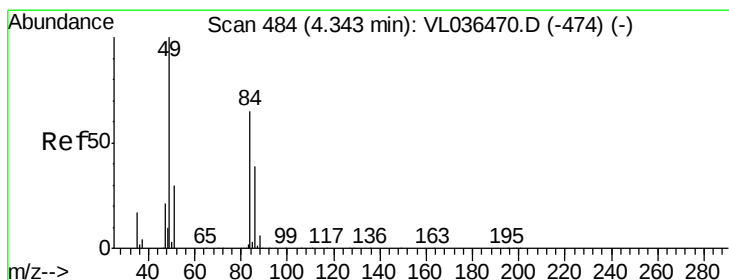
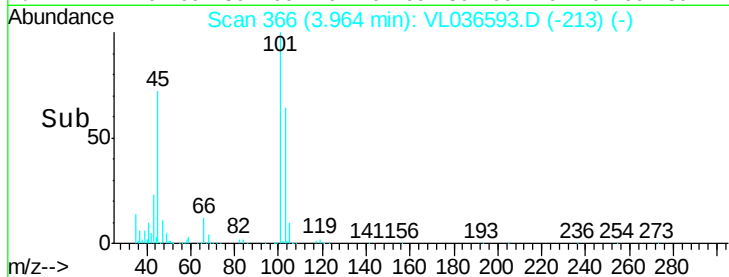
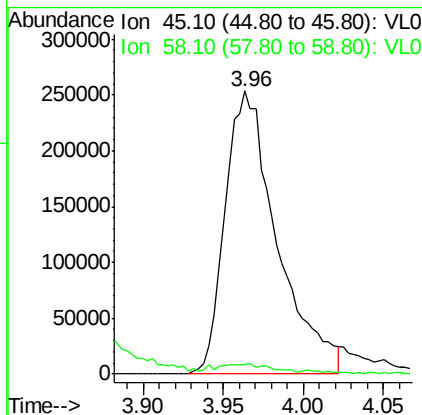
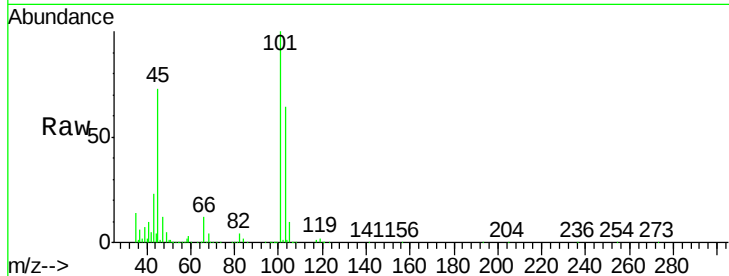
Isopropyl Alcohol
 Concen: 7.793 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	4.1	2.9	4.3

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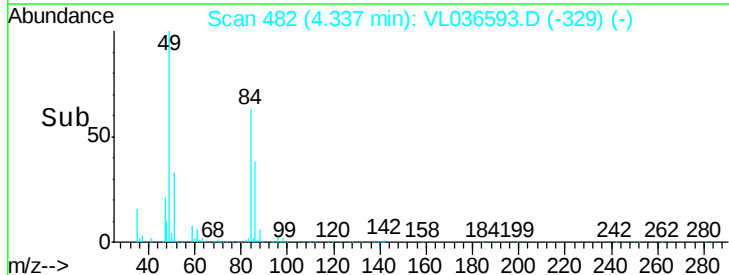
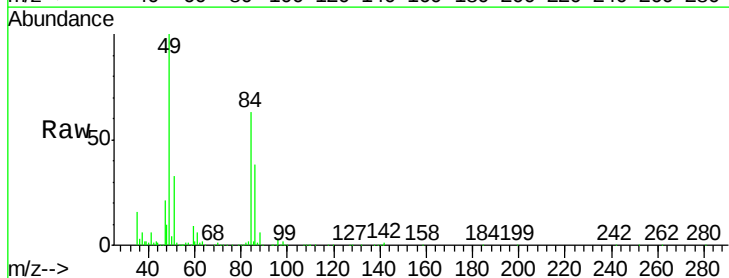
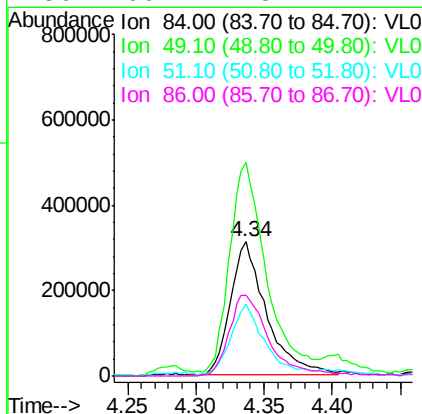
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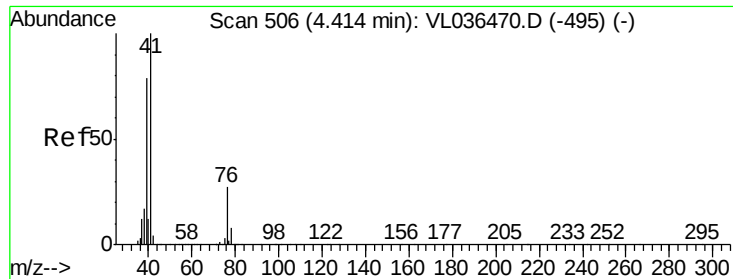


#20

Methylene Chloride
 Concen: 9.483 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	156.9	122.9	184.3
51	51.6	36.9	55.3
86	60.1	48.2	72.4





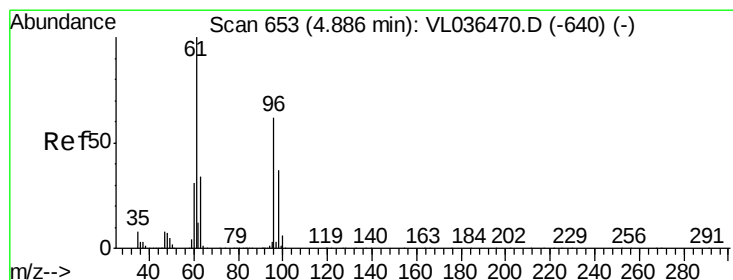
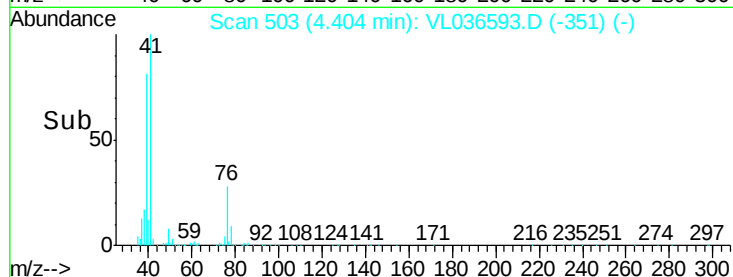
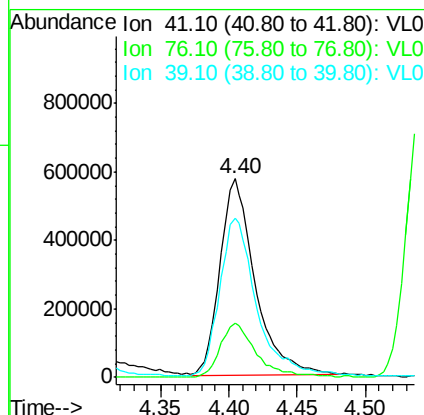
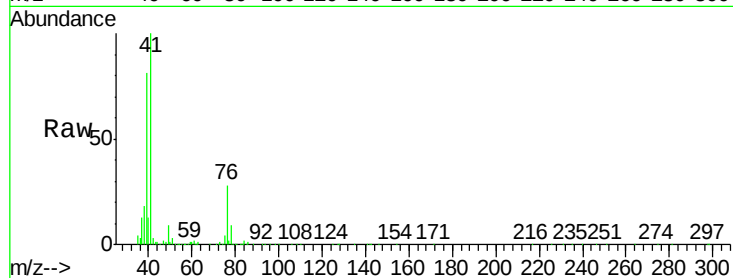
#21
Allvl Chloride
Concen: 9.897 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.8	22.9	34.3
39	85.5	67.3	100.9

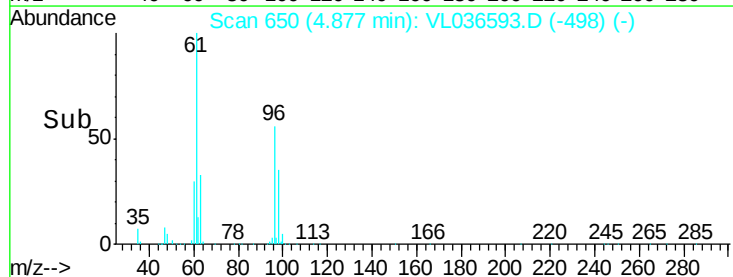
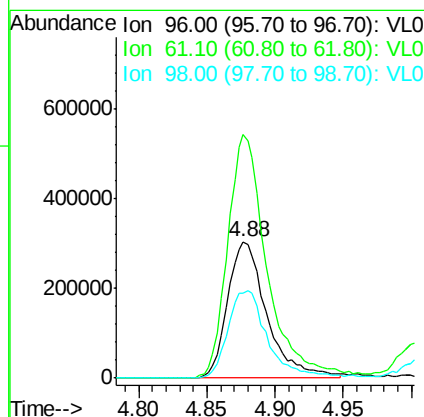
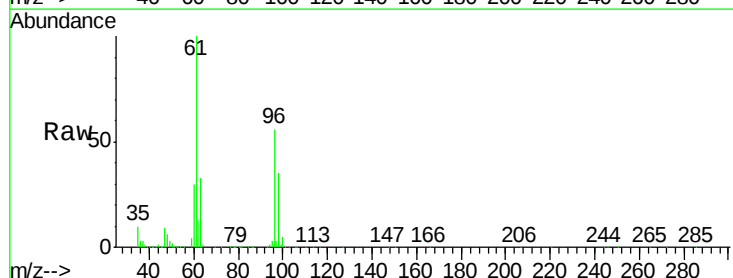
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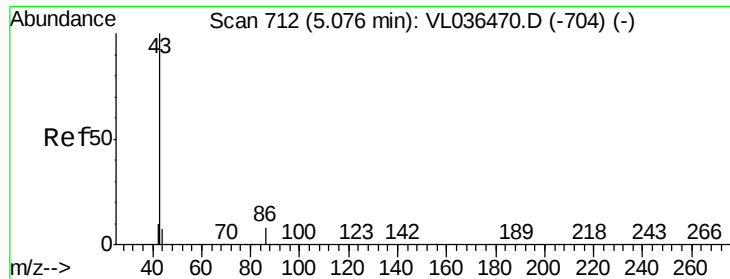
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#22
trans-1,2-Dichloroethene
Concen: 10.442 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.1	129.4	194.0
98	62.2	48.2	72.4





#23

Vinyl Acetate

Concen: 10.268 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.01 min

Lab File: VL036593.D

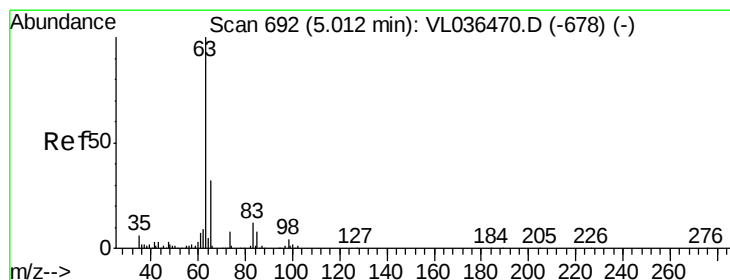
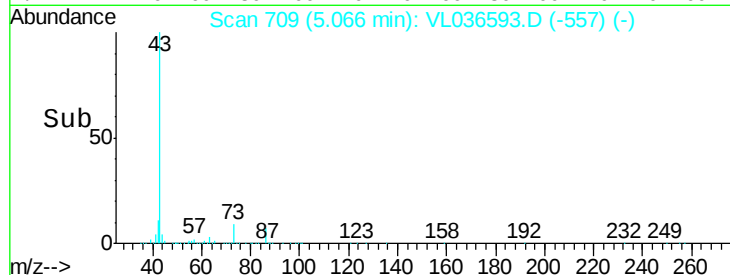
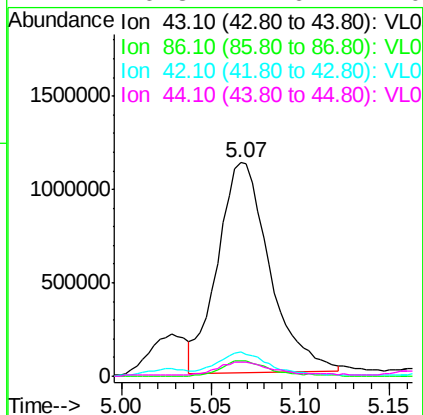
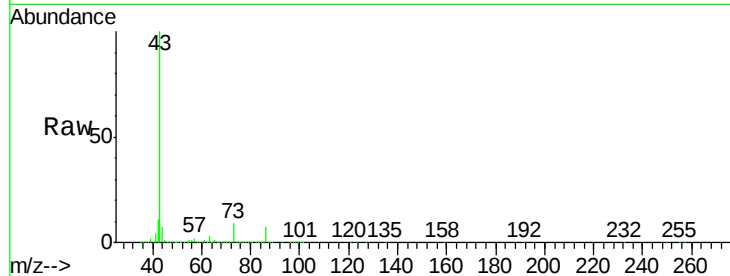
Acq: 31 Mar 2021 7:45

Tot Ion:	43	Resp:	2289341
Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.4	8.0
42	11.0	8.5	12.7
44	6.3	4.6	7.0

Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 10.257 ppbv

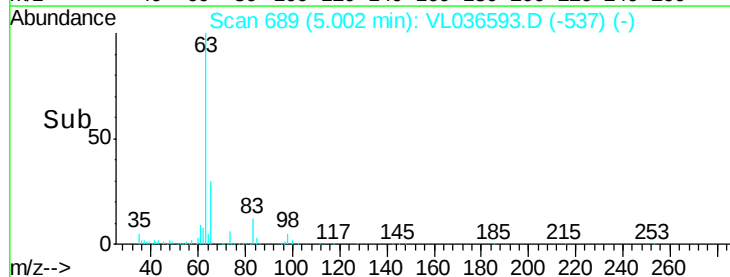
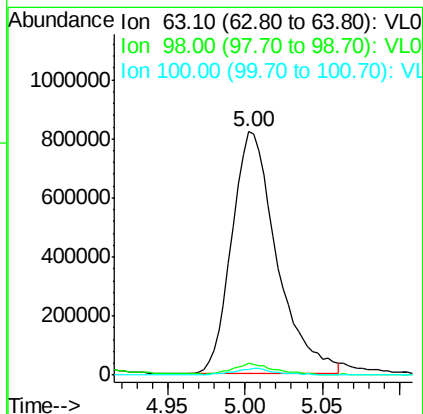
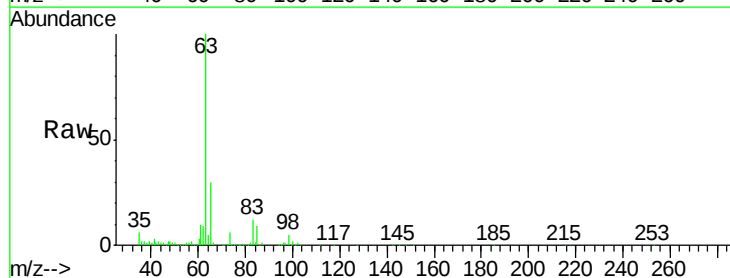
RT: 5.00 min Scan# 689

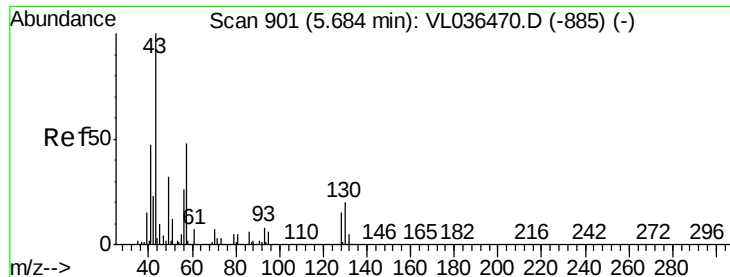
Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Tgt Ion:	63	Resp:	1666864
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.2
100	2.3	0.9	2.8





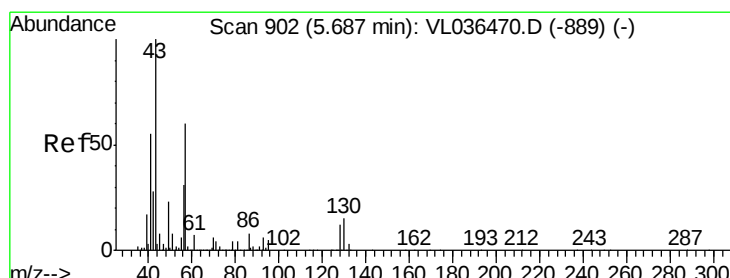
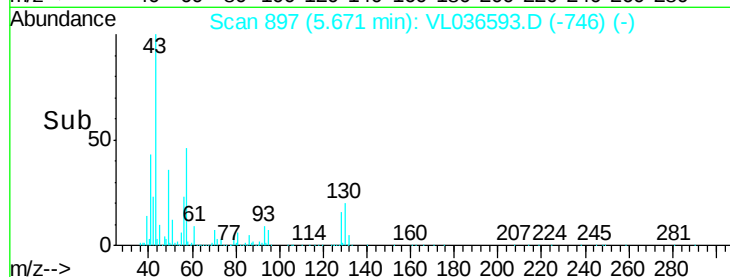
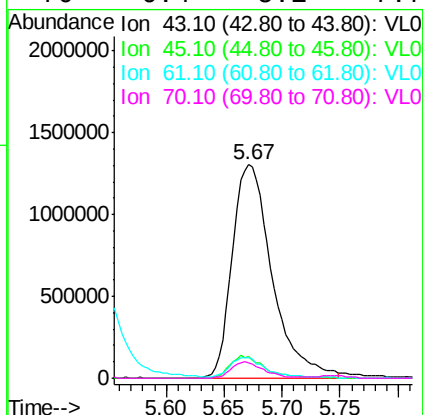
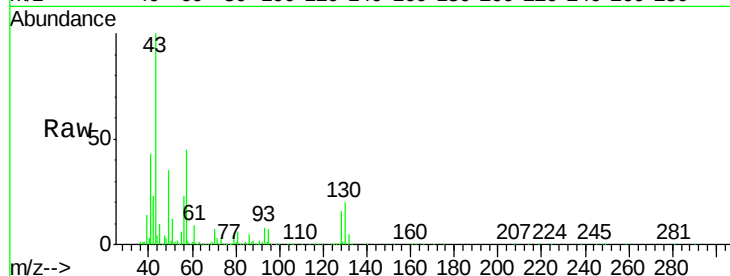
#25
Ethyl Acetate
Concen: 10.047 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.9	11.9
61	8.9	7.4	11.2
70	6.4	5.1	7.7

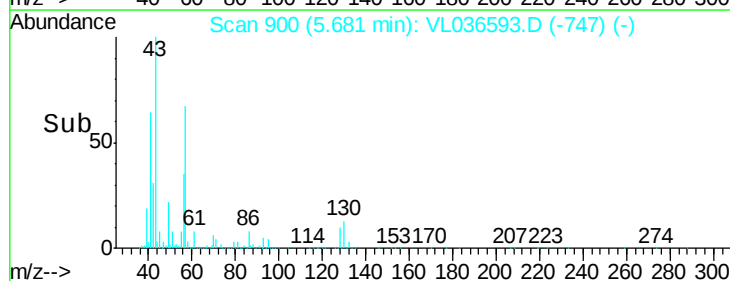
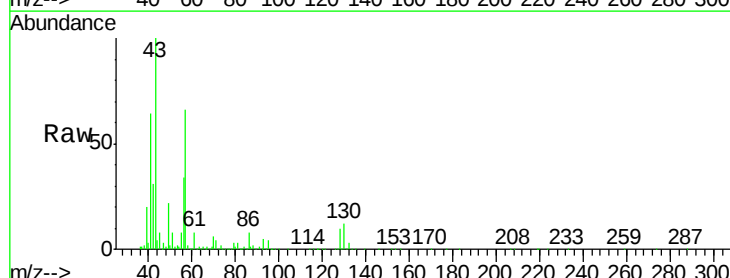
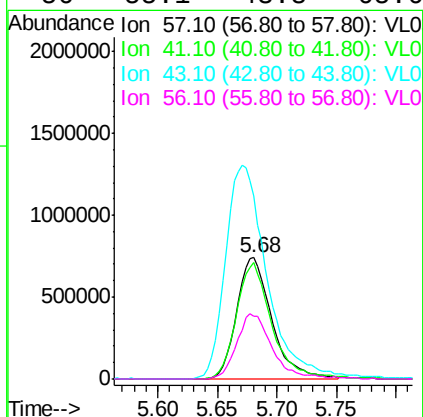
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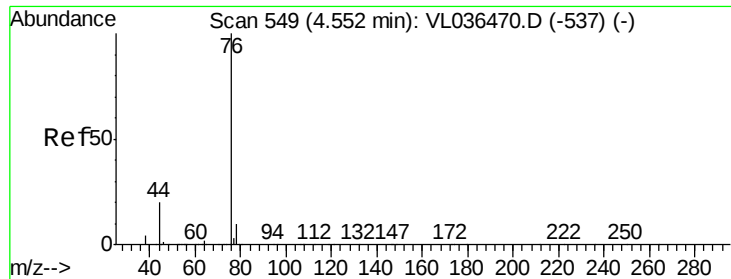
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#26
Hexane
Concen: 10.556 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion	Ratio	Lower	Upper
57	100		
41	97.5	77.2	115.8
43	209.1	173.8	260.6
56	55.1	43.8	65.6





#27

Carbon Disulfide

Concen: 11.477 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

Tot Ion: 76 Resp: 1625881

Ion Ratio Lower Upper

76 100

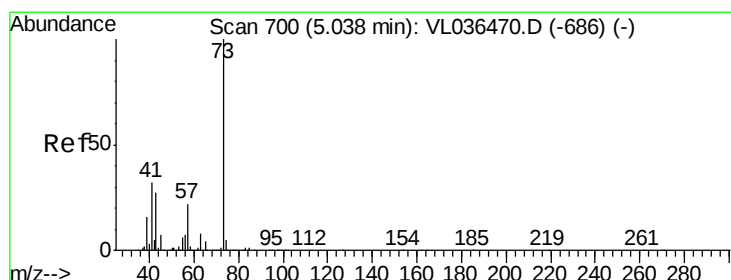
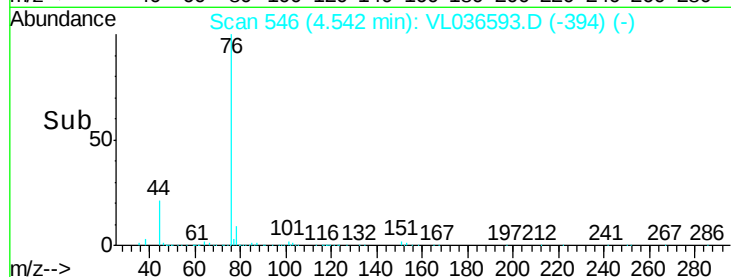
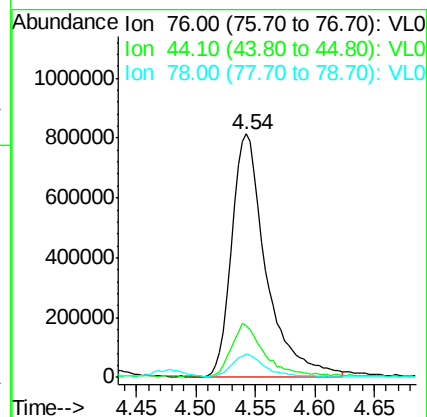
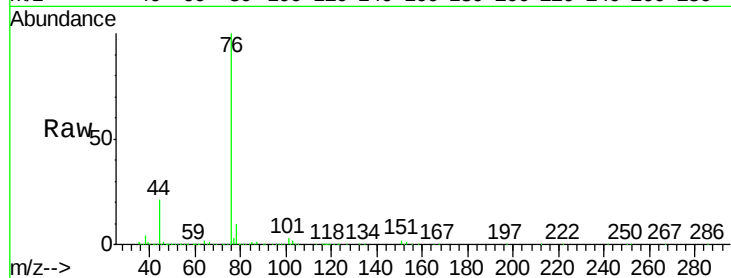
44 21.1 17.5 26.3

78 9.5 8.6 13.0

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#28

Methyl tert-Butyl Ether

Concen: 9.744 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL036593.D

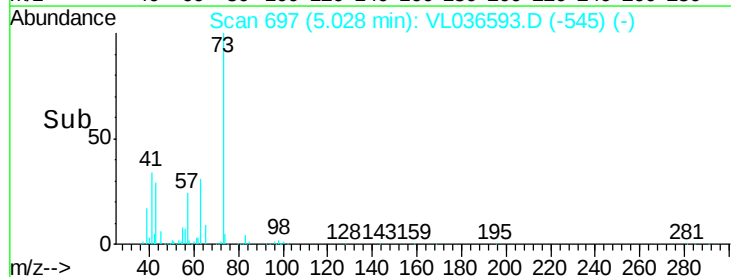
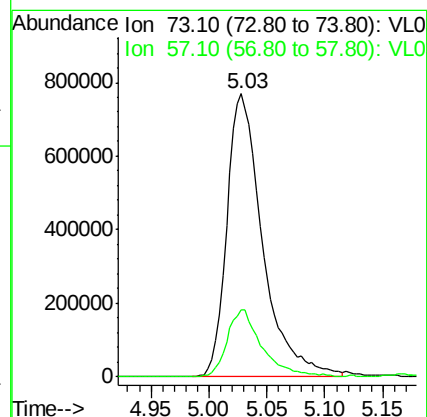
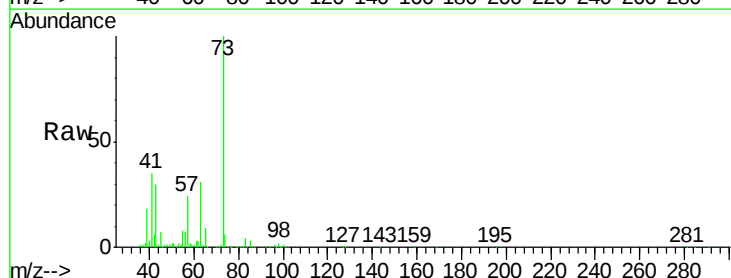
Acq: 31 Mar 2021 7:45

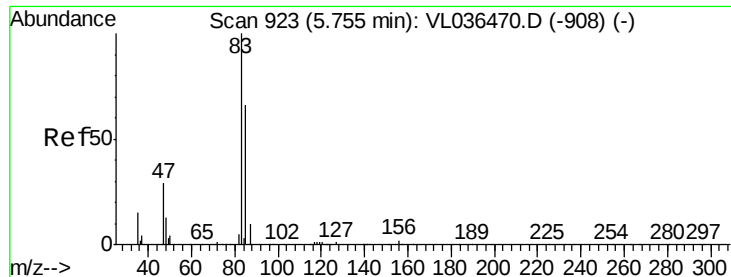
Tgt Ion: 73 Resp: 1652551

Ion Ratio Lower Upper

73 100

57 23.5 18.5 27.7





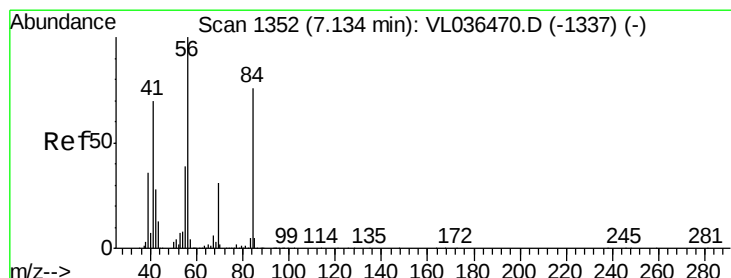
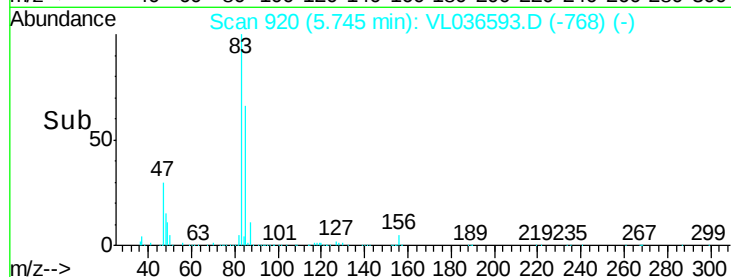
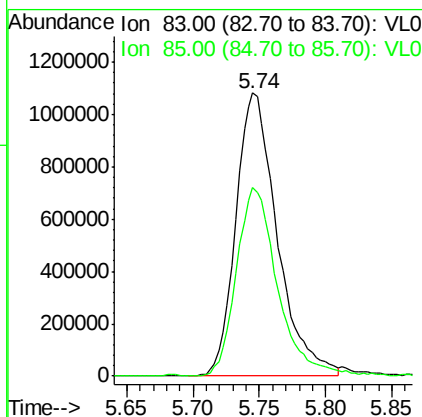
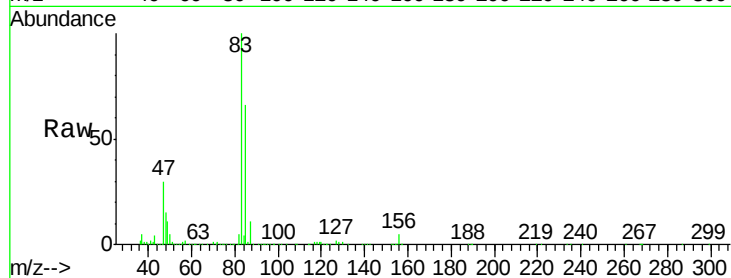
#29
Chloroform
Concen: 10.239 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

Tot Ion: 83 Resp: 2354844
Ion Ratio Lower Upper
83 100
85 66.3 52.6 78.8

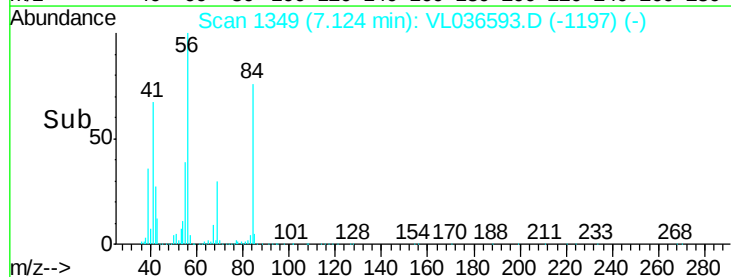
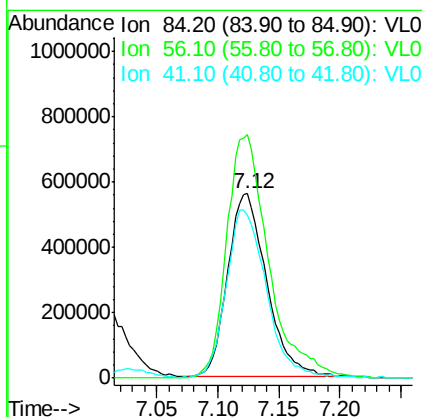
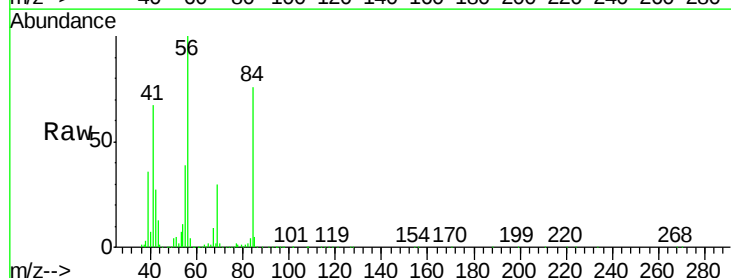
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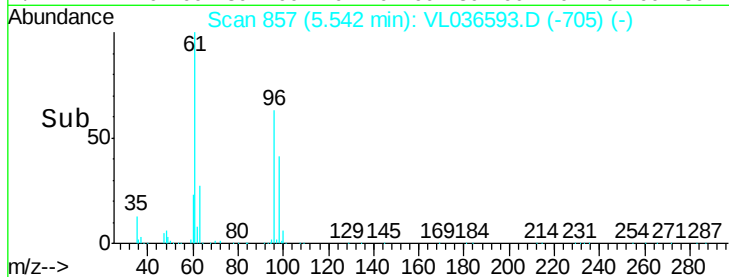
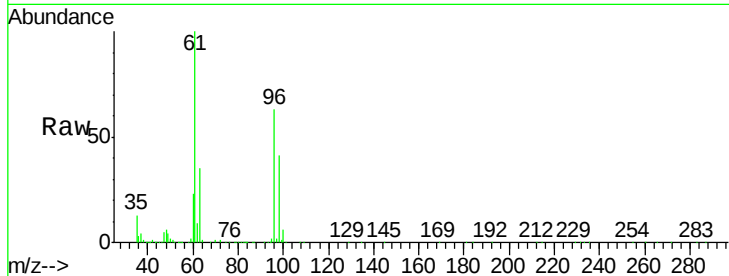
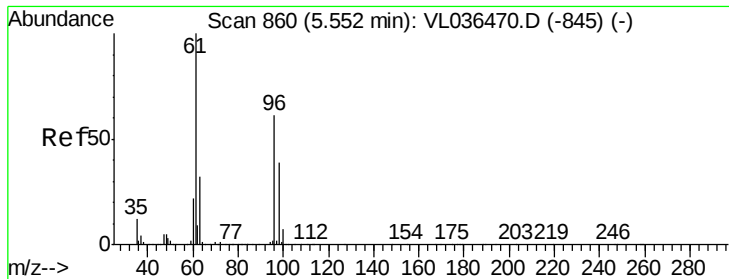
MMDadoda
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#30
Cyclohexane
Concen: 10.684 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion: 84 Resp: 1246085
Ion Ratio Lower Upper
84 100
56 144.5 114.6 171.8
41 95.4 75.3 112.9





#31

cis-1,2-Dichloroethene

Concen: 10.548 ppbv

RT: 5.54 min Scan# 857

Delta R.T. -0.01 min

Lab File: VL036593.D

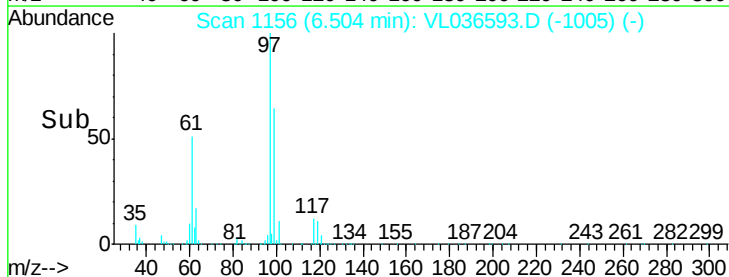
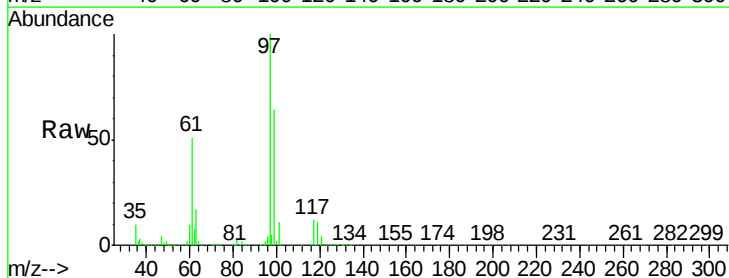
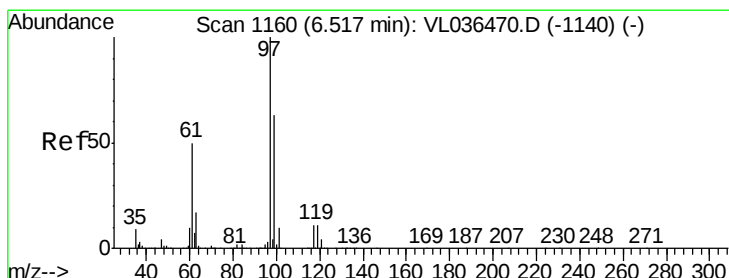
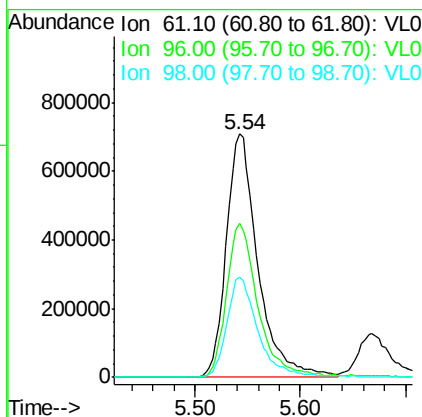
Acq: 31 Mar 2021 7:45

Tot Ion:	61	Resp:	1467153
Ion	Ratio	Lower	Upper
61	100		
96	63.1	48.7	73.1
98	41.2	31.4	47.0

Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

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#32

1,1,1-Trichloroethane

Concen: 10.239 ppbv

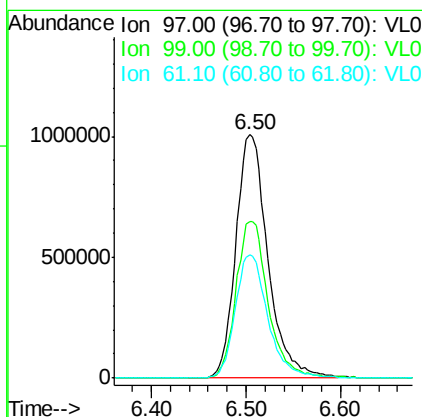
RT: 6.50 min Scan# 1156

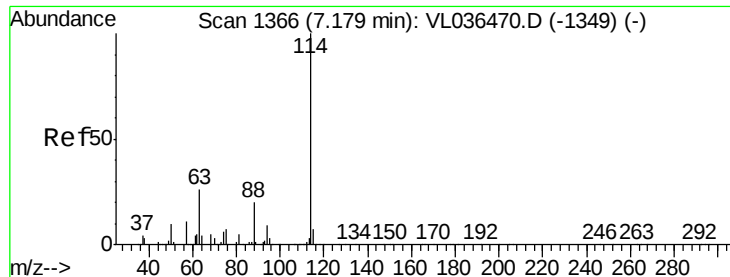
Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Tgt Ion:	97	Resp:	2373152
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.0
61	52.0	40.6	60.8





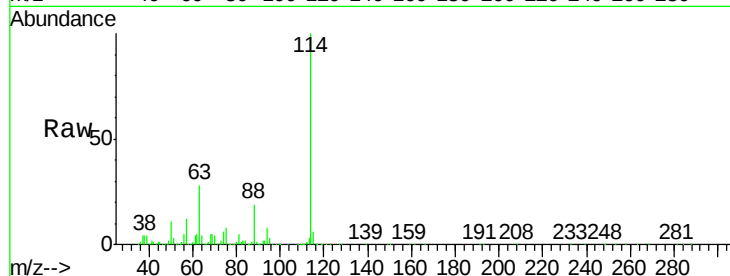
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01

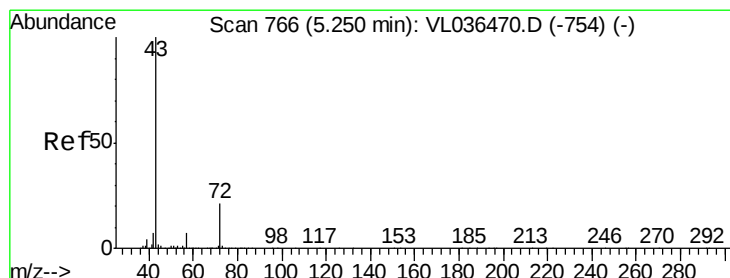
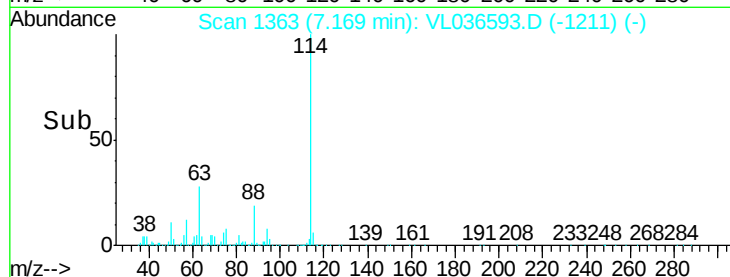
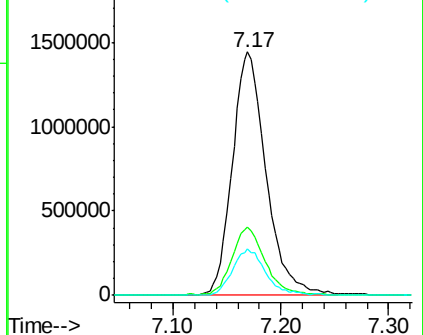
Tot Ion	Ratio	Lower	Upper
114	100		
63	28.1	22.4	33.6
88	18.8	15.4	23.0

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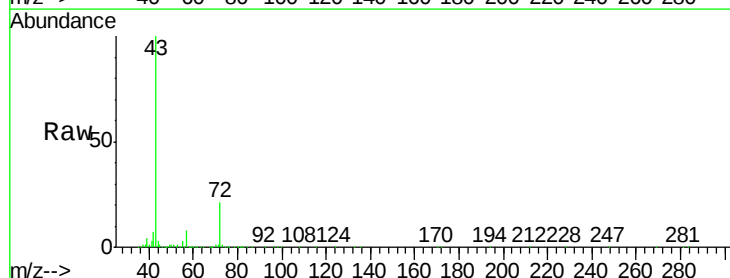


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

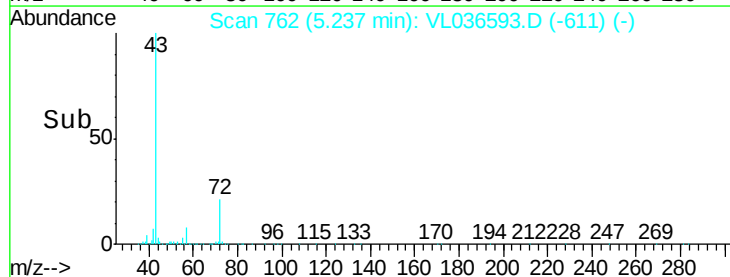
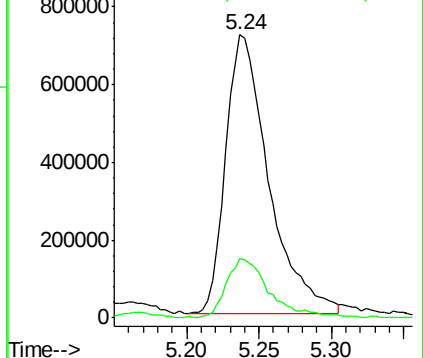


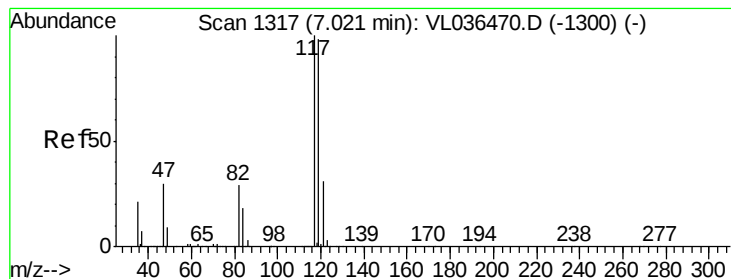
#34
 2-Butanone
 Concen: 9.702 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.6	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: 10.320 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampled :

VL0331ABS01

Tot Ion: 117 Resp: 2497153

Ion Ratio Lower Upper

117 100

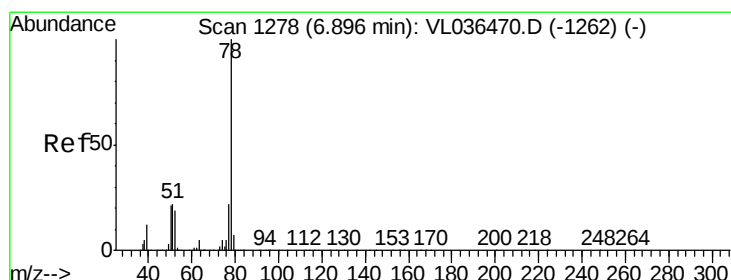
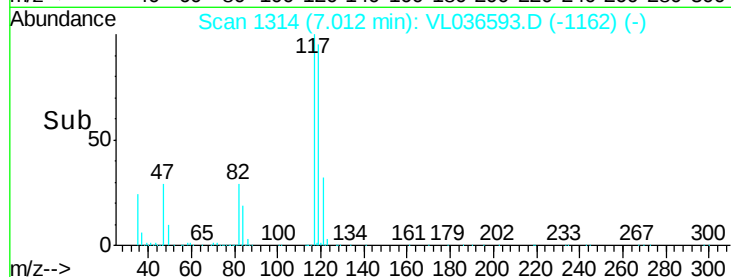
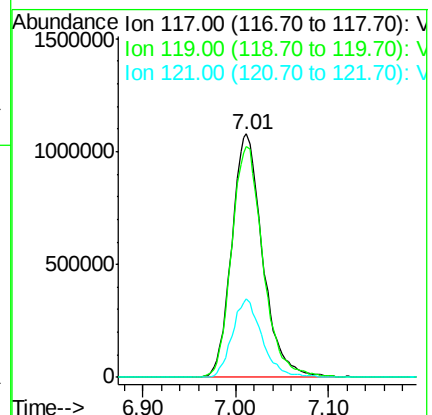
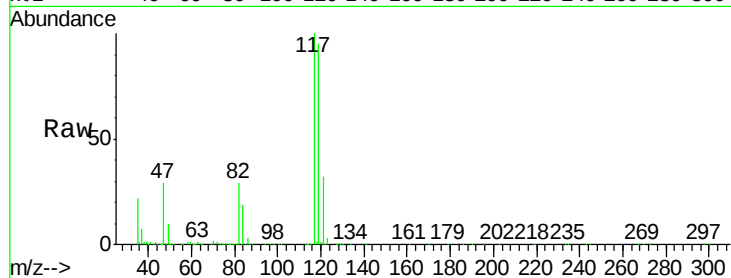
119 94.8 78.2 117.2

121 32.2 24.5 36.7

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#36

Benzene

Concen: 10.561 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

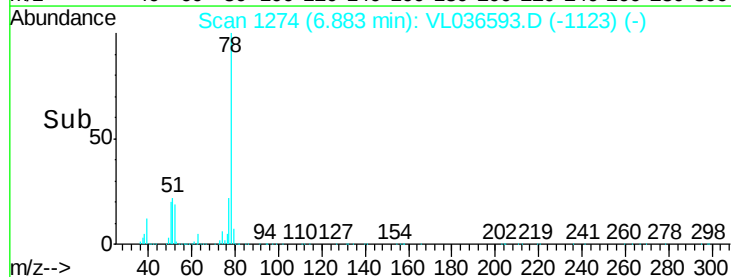
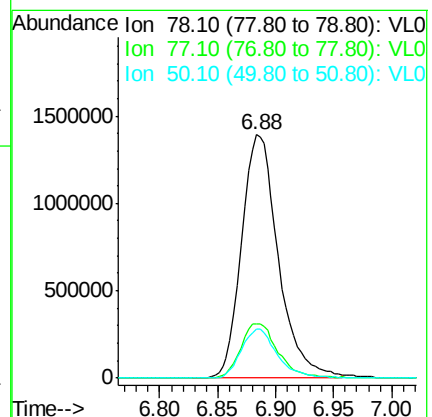
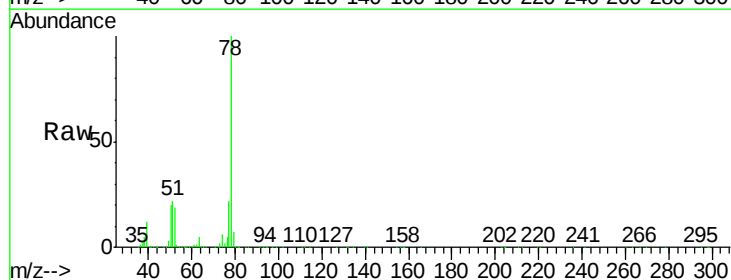
Tgt Ion: 78 Resp: 3068497

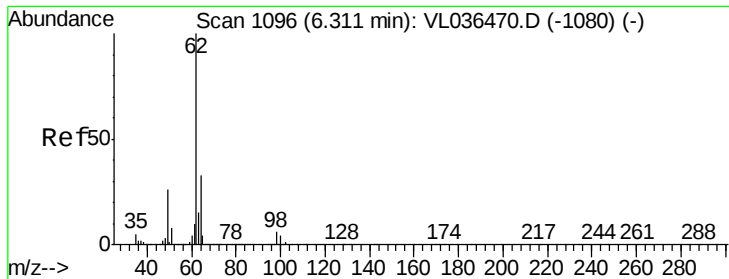
Ion Ratio Lower Upper

78 100

77 22.3 18.0 27.0

50 20.0 16.5 24.7





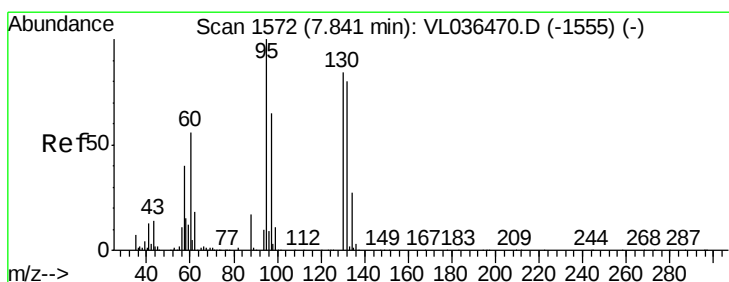
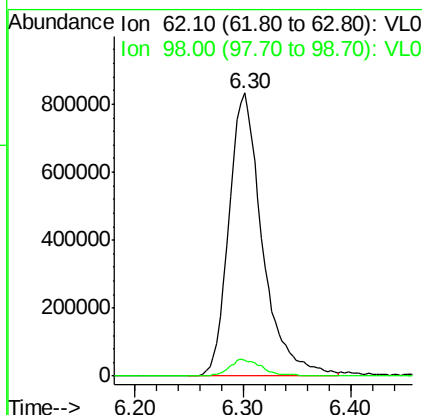
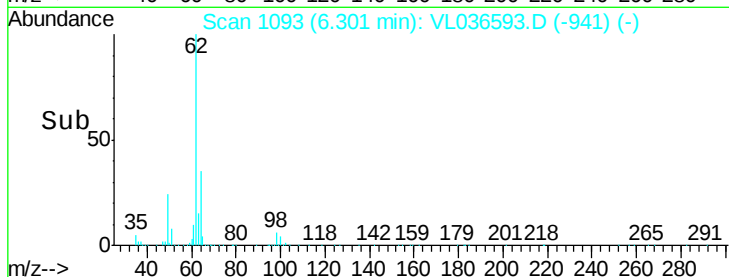
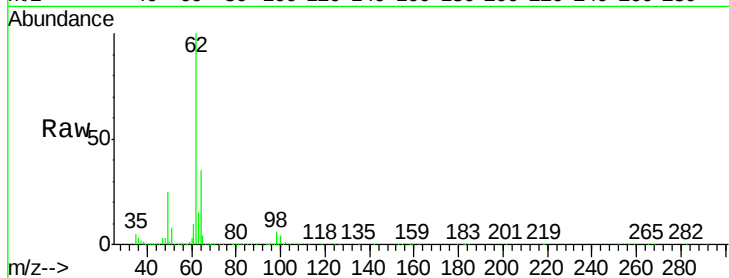
#37
 1,2-Dichloroethane
 Concen: 10.574 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.1	4.9	7.3

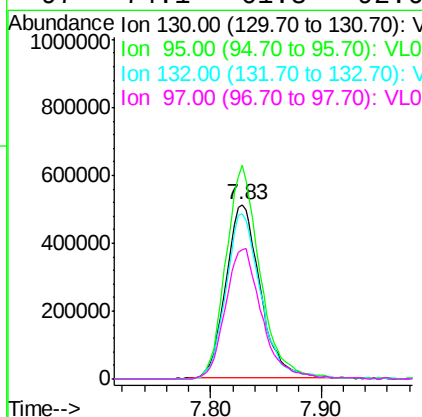
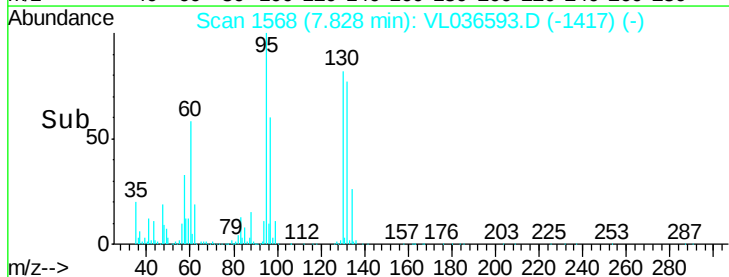
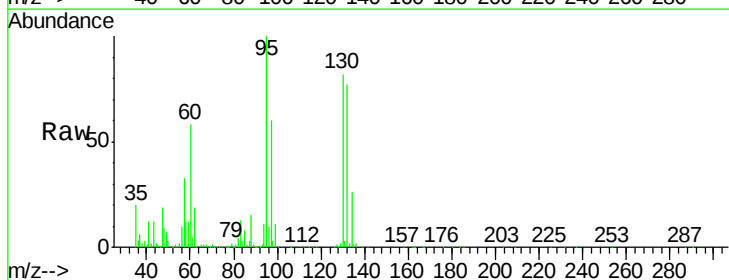
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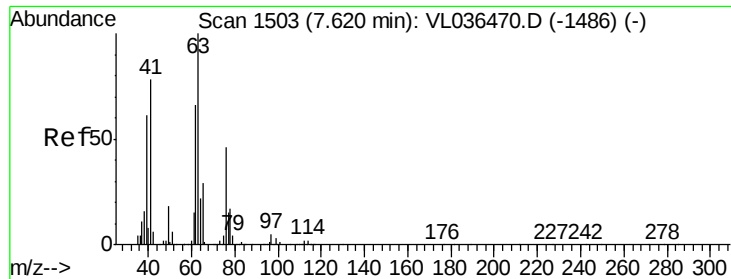
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#38
 Trichloroethene
 Concen: 9.800 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	122.4	95.7	143.5
132	94.5	76.2	114.4
97	74.1	61.8	92.6





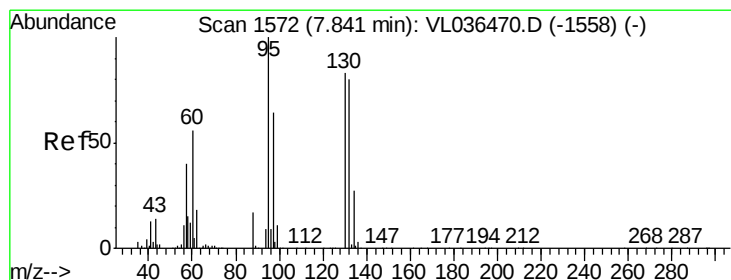
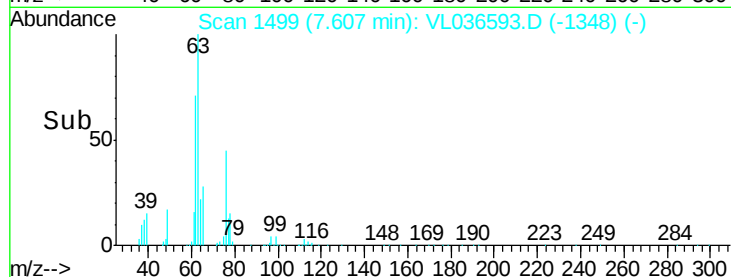
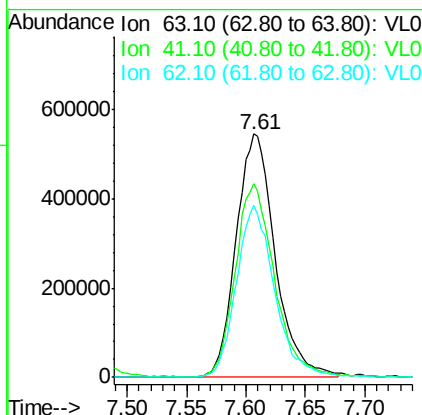
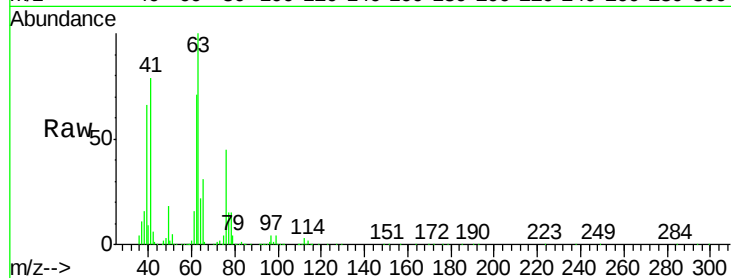
#39
 1,2-Dichloropropane
 Concen: 10.489 ppbv
 RT: 7.61 min Scan# 1499
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	79.2	62.4	93.6
62	70.6	52.8	79.2

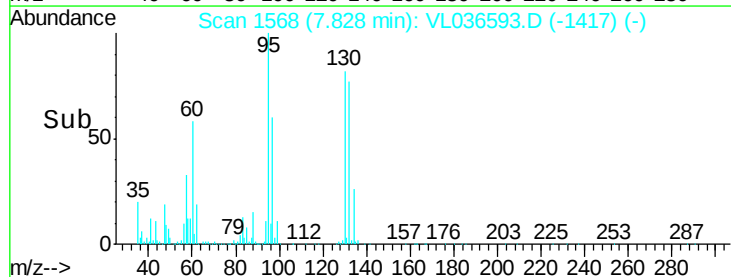
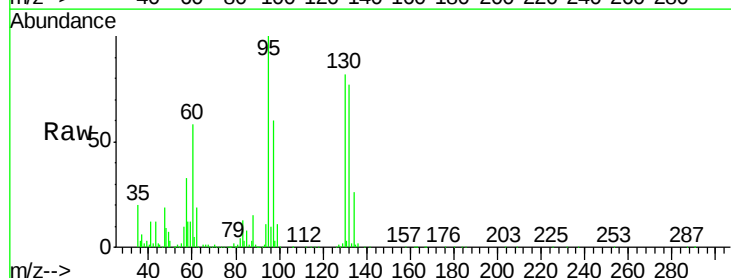
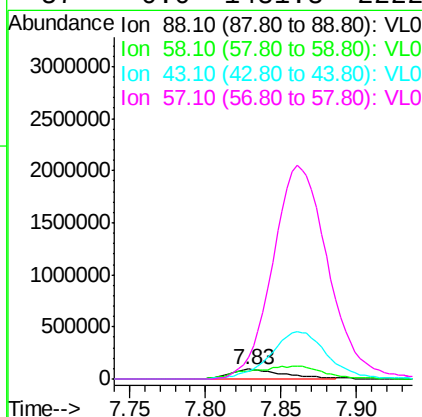
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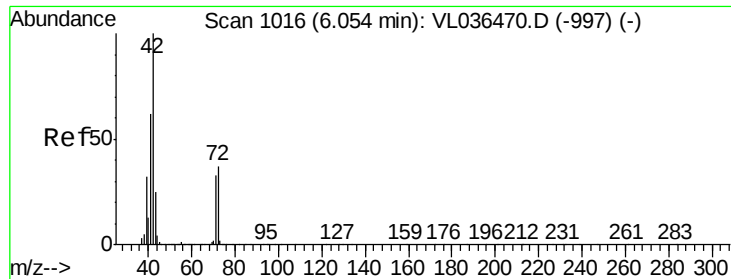
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#40
 1,4-Dioxane
 Concen: 8.406 ppbv m
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	134.1	201.1#
43	0.0	346.6	520.0#
57	0.0	1481.8	2222.8#





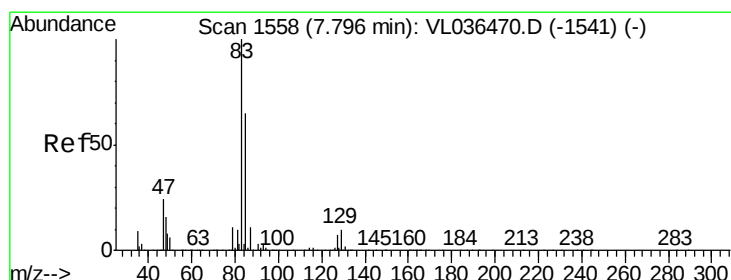
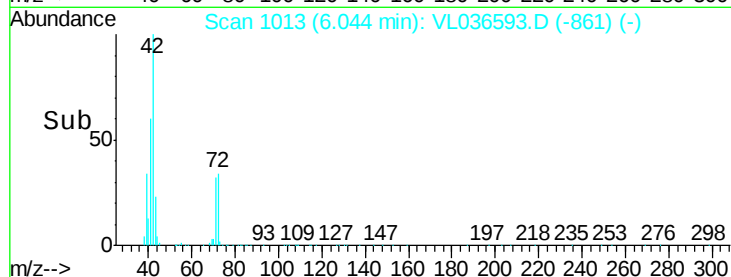
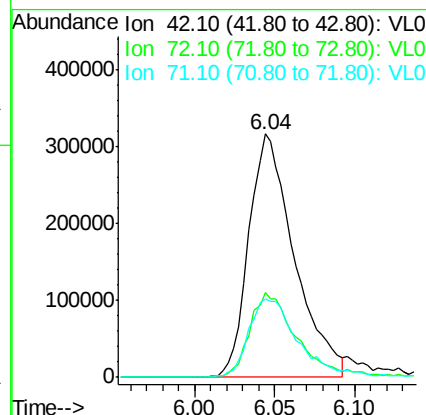
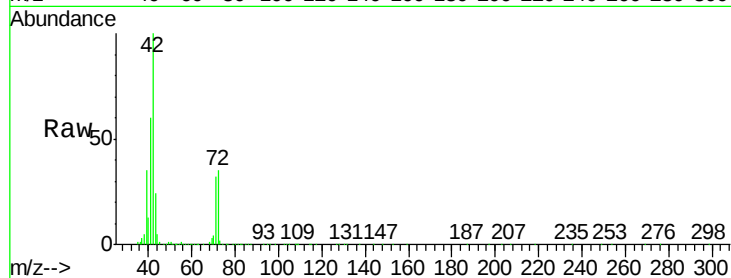
#41
Tetrahydrofuran
Concen: 8.663 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	27.6	41.4
71	36.0	27.0	40.4

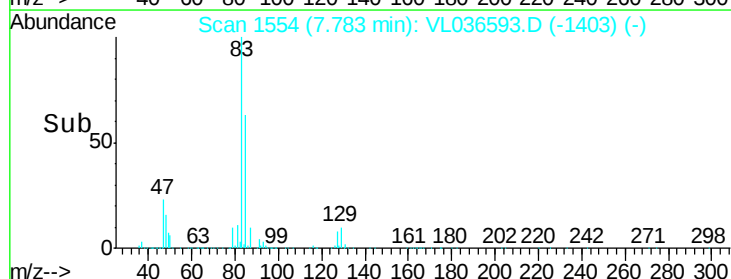
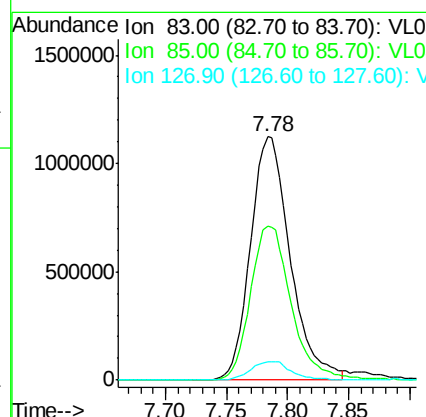
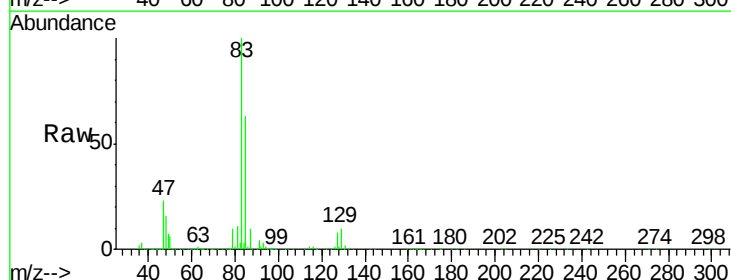
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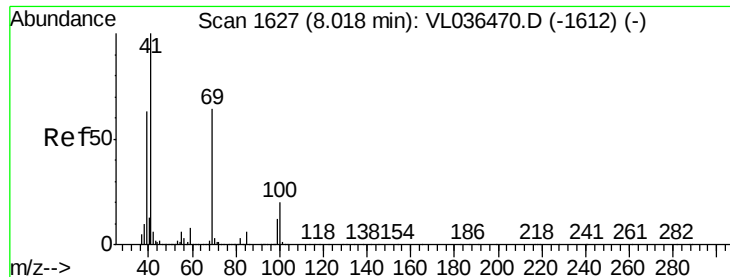
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#42
Bromodichloromethane
Concen: 10.860 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.8	77.6
127	7.6	5.8	8.8





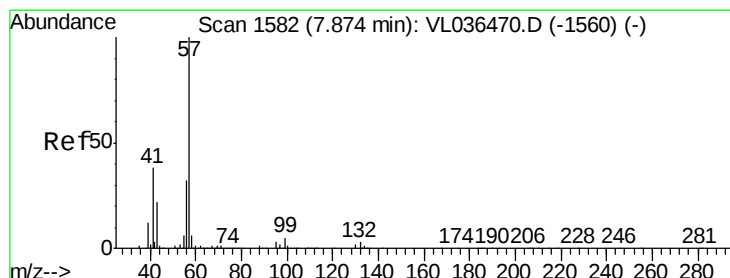
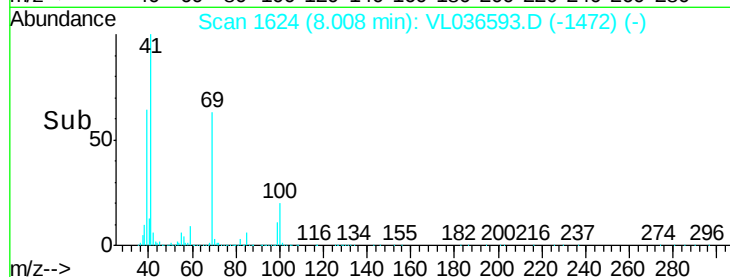
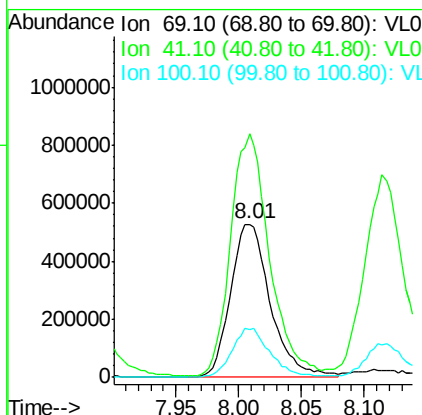
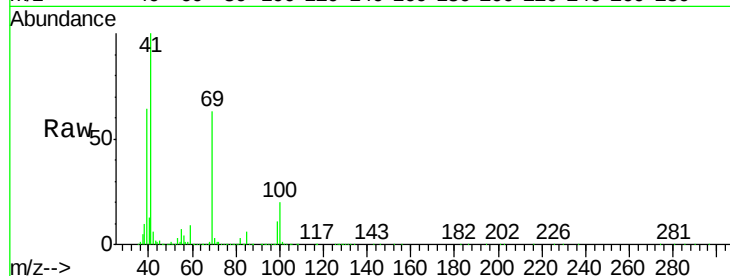
#43
Methvl Methacrilate
Concen: 11.912 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

Tot Ion: 69 Resp: 1162198
Ion Ratio Lower Upper
69 100
41 156.2 126.8 190.2
100 30.8 24.9 37.3

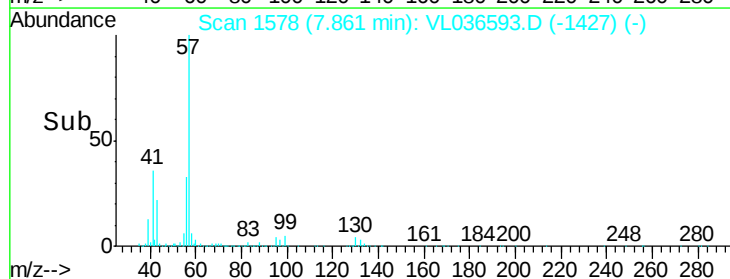
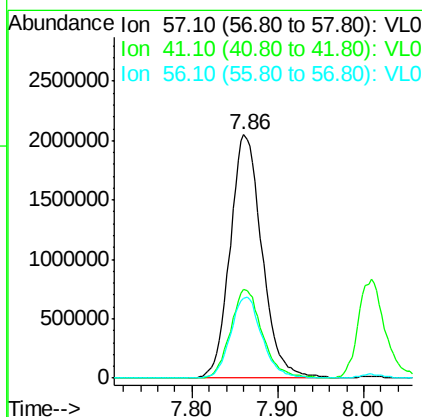
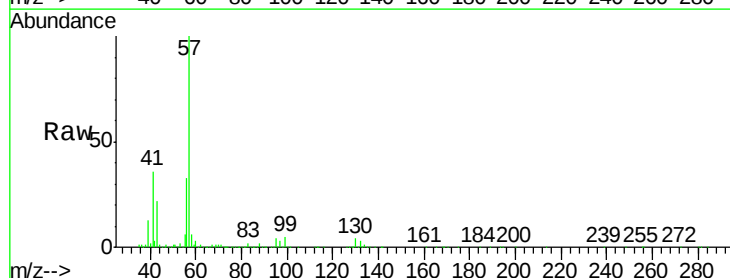
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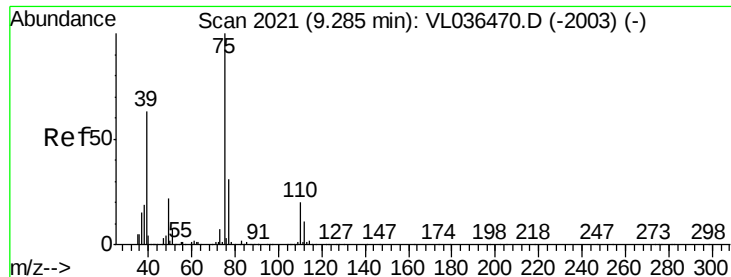
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#44
2,2,4-Trimethylpentane
Concen: 10.303 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion: 57 Resp: 5268697
Ion Ratio Lower Upper
57 100
41 36.1 28.8 43.2
56 32.8 26.1 39.1





#45

t-1,3-Dichloropropene

Concen: 9.366 ppbv

RT: 9.28 min Scan# 2018

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

Tot Ion: 75 Resp: 1043403

Ion Ratio Lower Upper

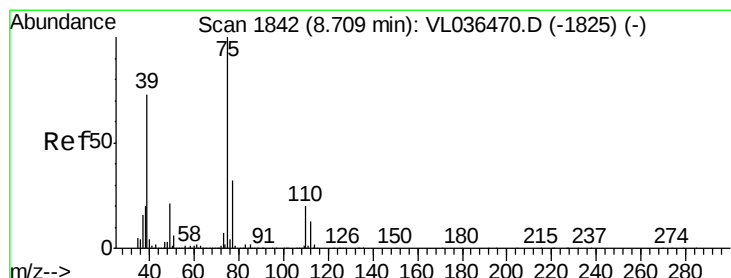
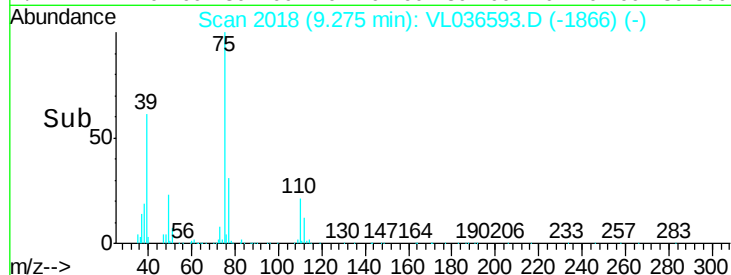
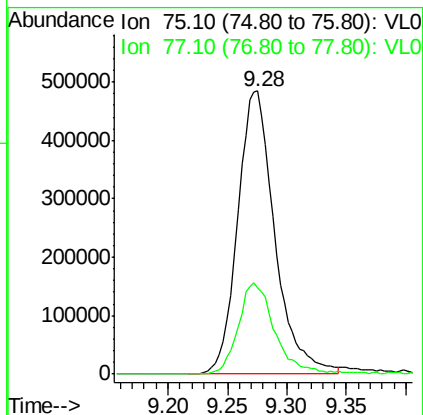
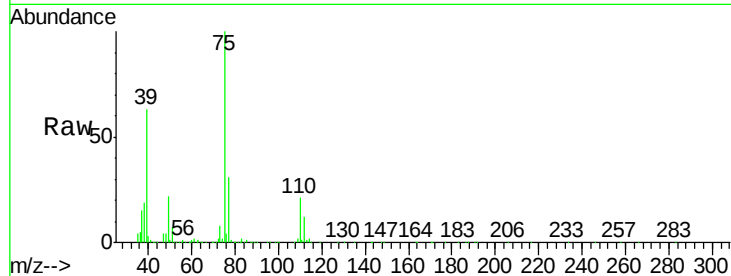
75 100

77 30.7 25.1 37.7

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#46

cis-1,3-Dichloropropene

Concen: 9.494 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

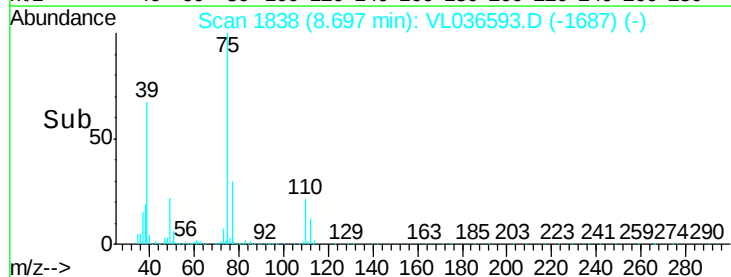
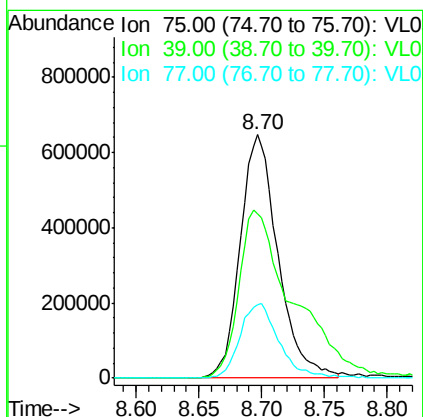
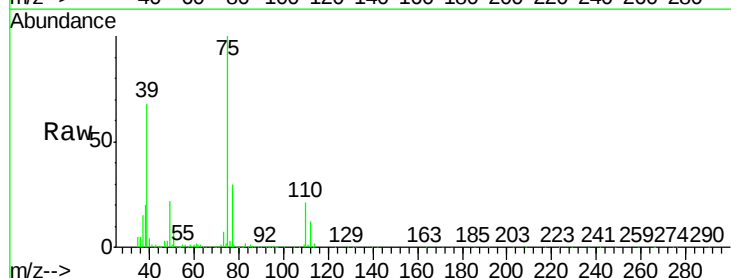
Tgt Ion: 75 Resp: 1352073

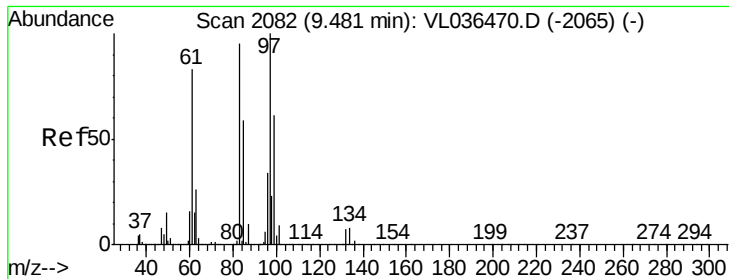
Ion Ratio Lower Upper

75 100

39 67.6 58.2 87.2

77 30.2 25.2 37.8





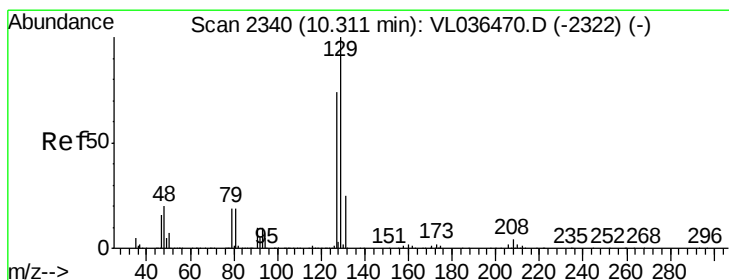
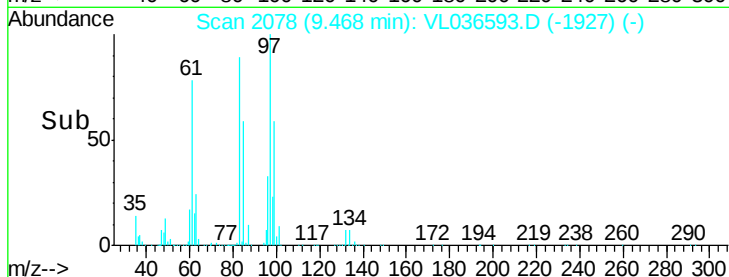
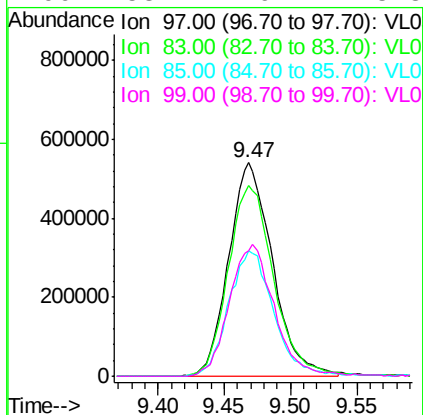
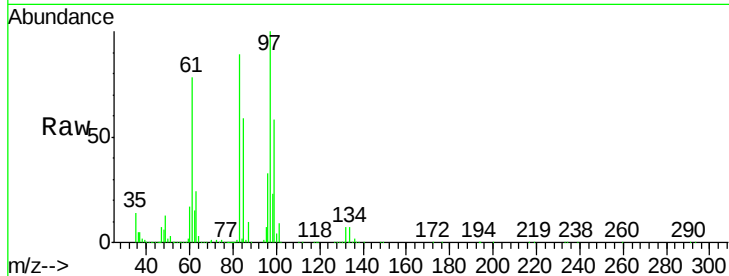
#47
 1,1,2-Trichloroethane
 Concen: 10.345 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.9	75.8	113.8
85	58.4	47.1	70.7
99	58.4	49.2	73.8

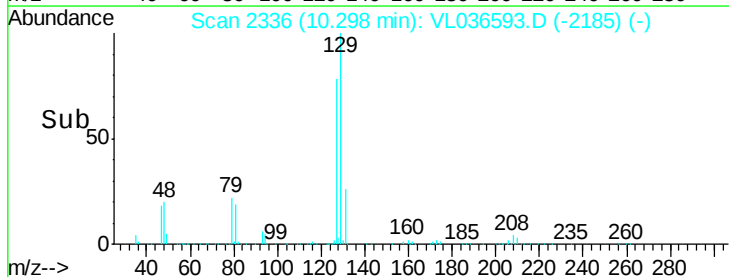
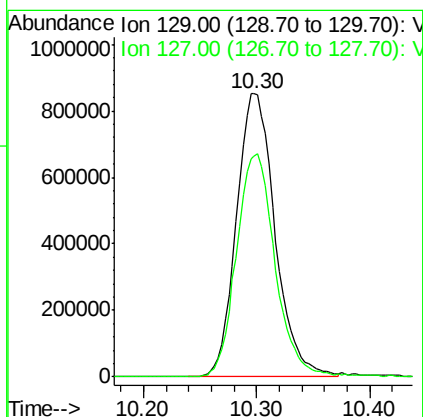
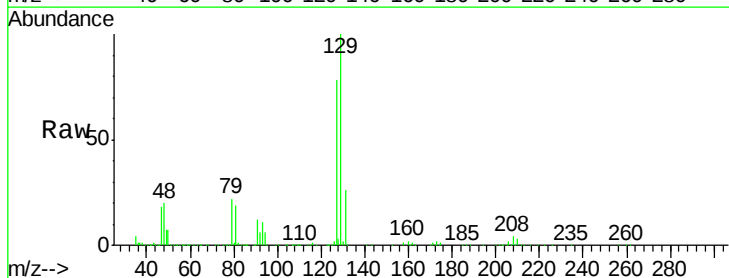
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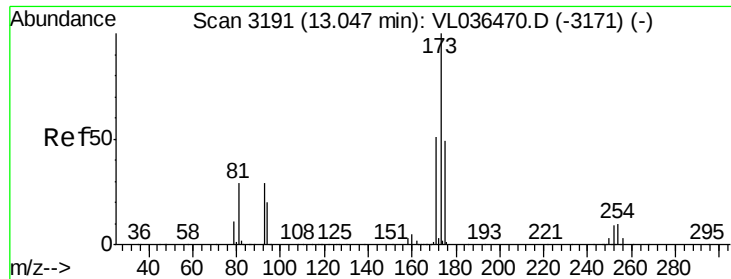
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#48
 Dibromochloromethane
 Concen: 11.133 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.5	39.6	118.8





#49

Bromoform

Concen: 11.501 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

Tot Ion:173 Resp: 1686356

Ion Ratio Lower Upper

173 100

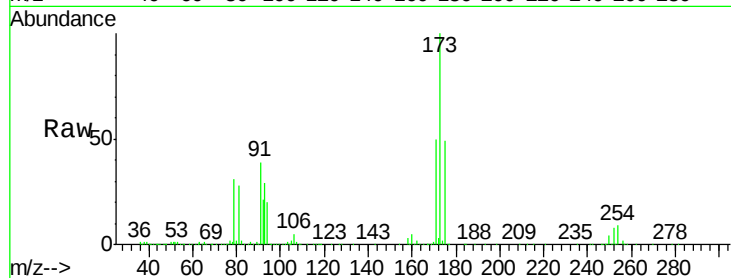
175 49.6 39.6 59.4

171 51.8 41.4 62.0

Manual Integrations
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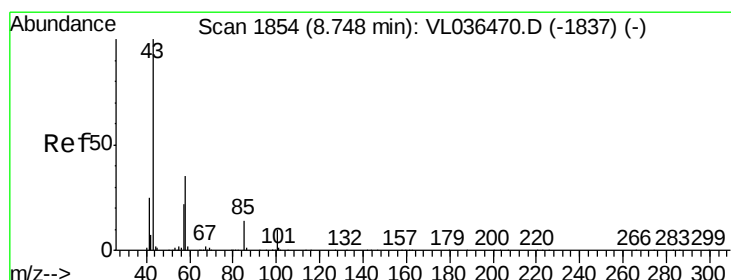
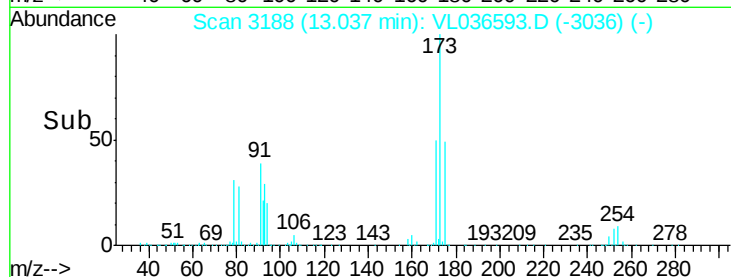
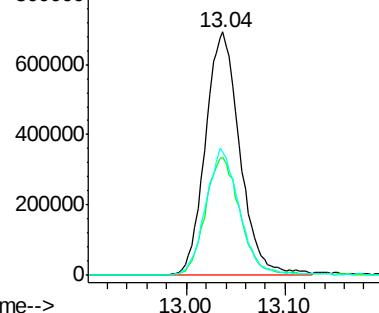
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.181 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VL036593.D

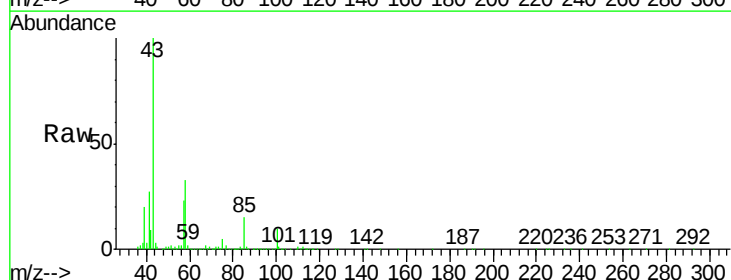
Acq: 31 Mar 2021 7:45

Tgt Ion: 43 Resp: 2265410

Ion Ratio Lower Upper

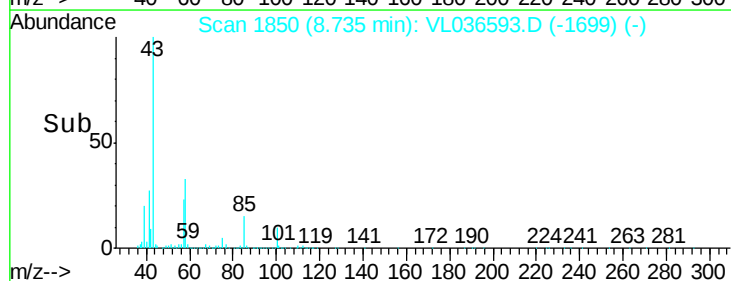
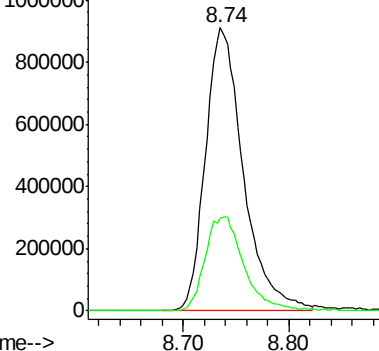
43 100

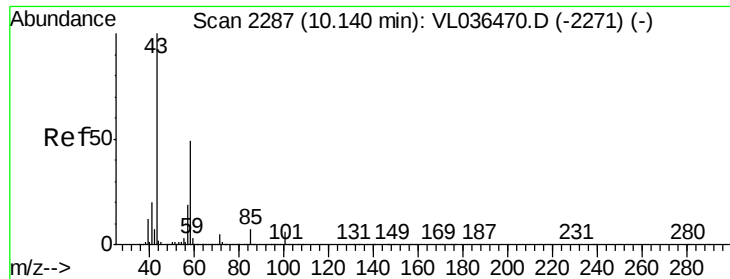
58 34.6 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





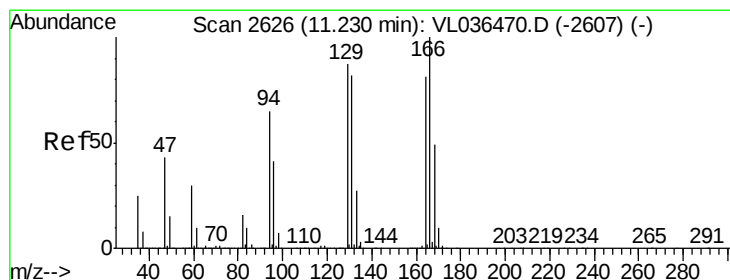
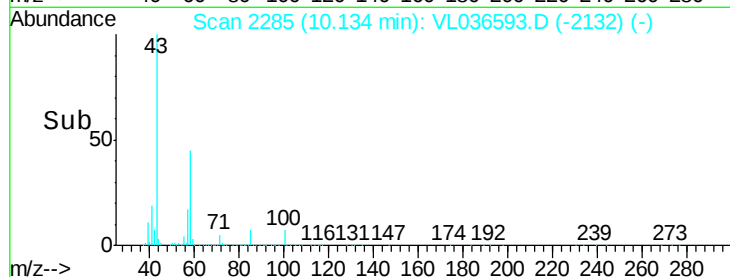
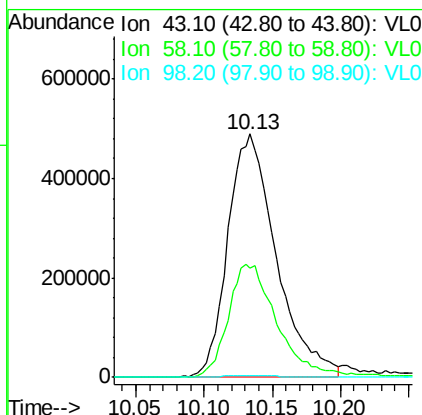
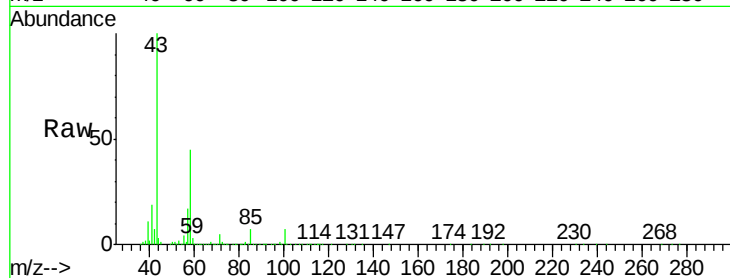
#51
2-Hexanone
Concen: 10.668 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

Tot Ion: 43 Resp: 1197948
Ion Ratio Lower Upper
43 100
58 48.2 37.7 56.5
98 0.8 0.2 0.2#

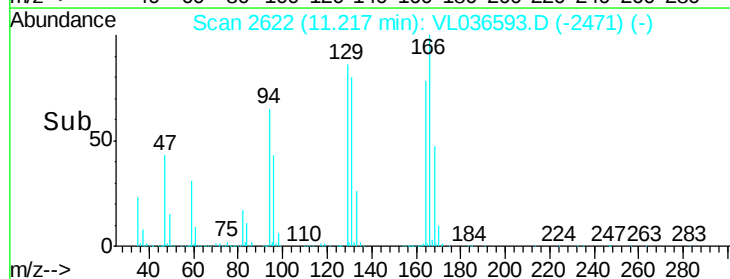
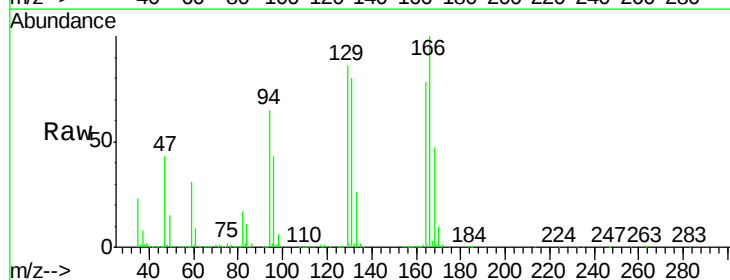
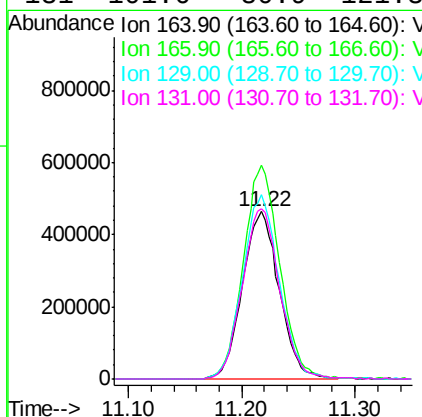
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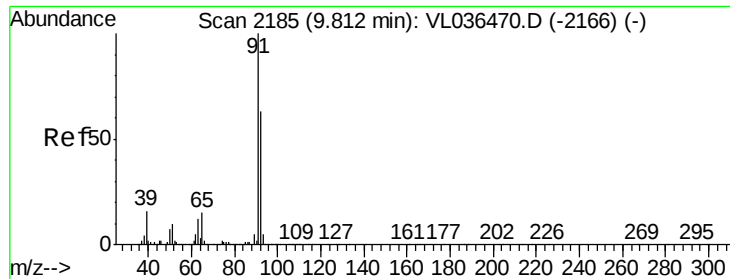
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#52
Tetrachloroethene
Concen: 9.795 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion:164 Resp: 1047964
Ion Ratio Lower Upper
164 100
166 127.4 98.3 147.5
129 109.8 85.8 128.8
131 101.6 80.9 121.3





#53

Toluene

Concen: 11.038 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

Tot Ion: 91 Resp: 3415323

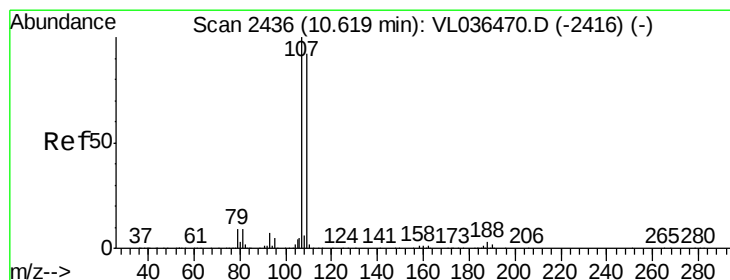
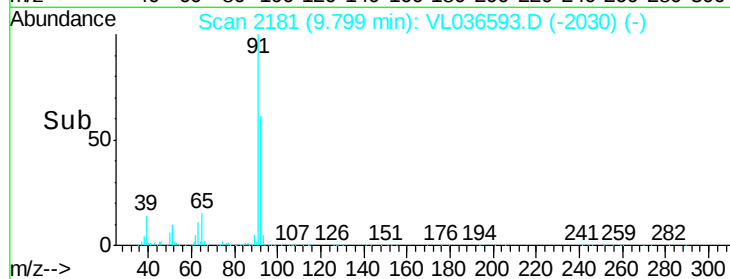
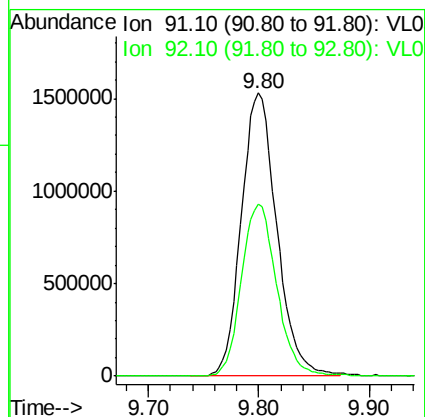
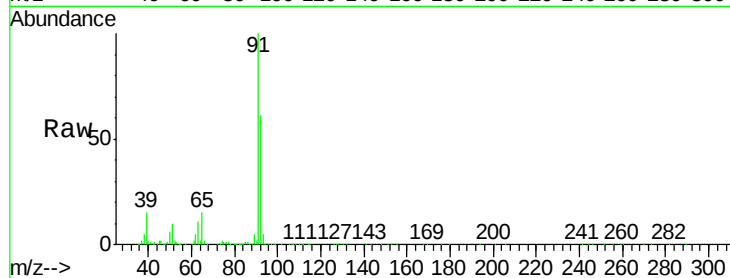
Ion Ratio Lower Upper

91 100

92 61.0 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 10.450 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.02 min

Lab File: VL036593.D

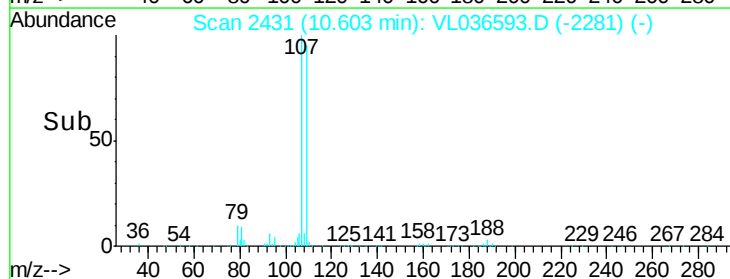
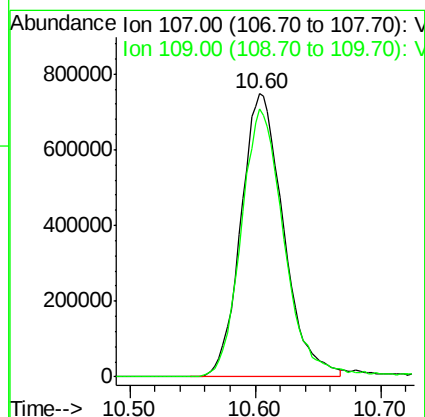
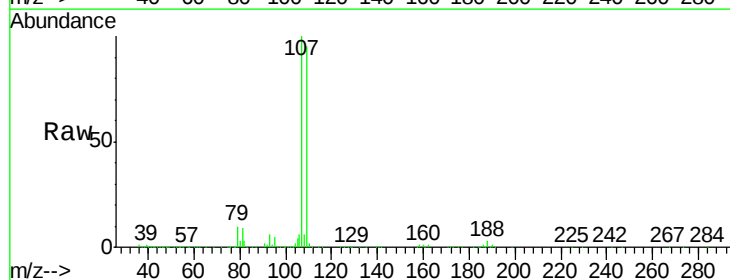
Acq: 31 Mar 2021 7:45

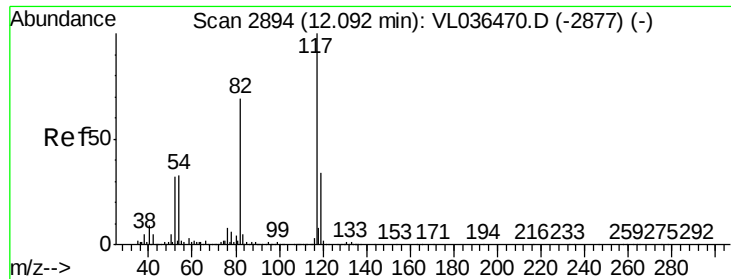
Tgt Ion: 107 Resp: 1761853

Ion Ratio Lower Upper

107 100

109 94.7 73.9 110.9





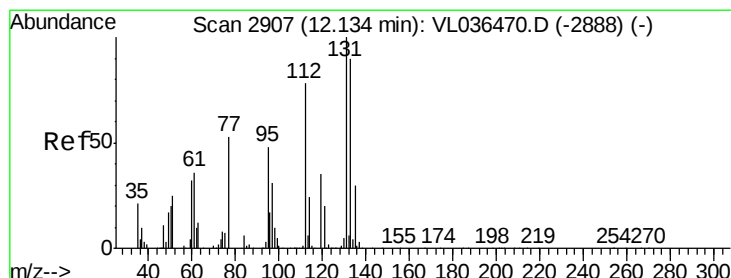
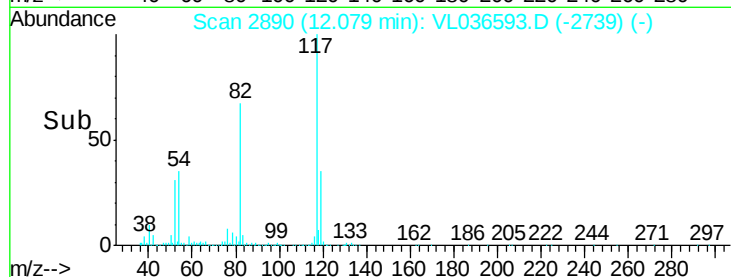
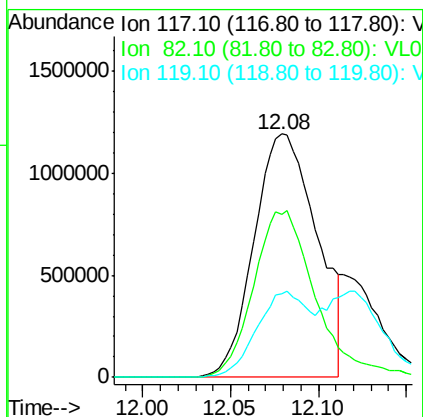
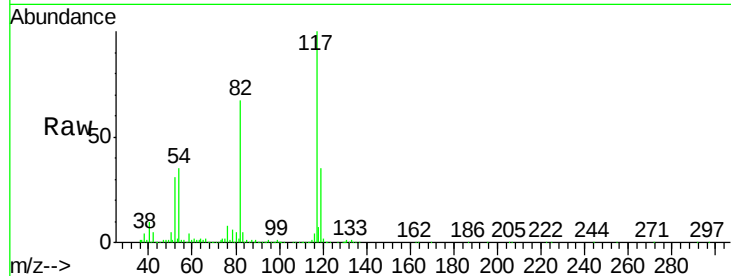
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

Tot Ion:117 Resp: 2973212
Ion Ratio Lower Upper
117 100
82 68.5 57.4 86.0
119 29.6 47.4 71.0#

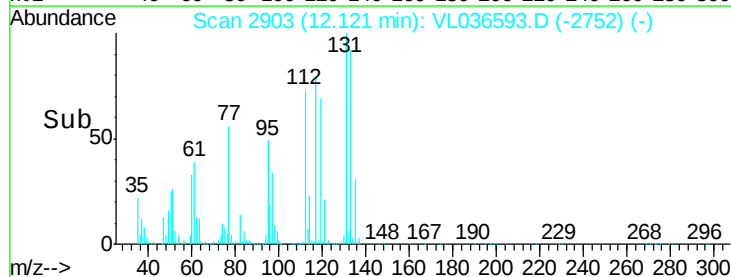
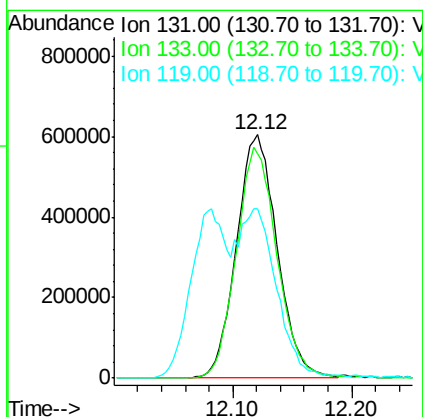
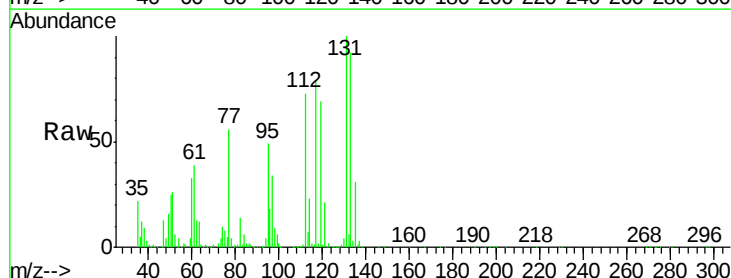
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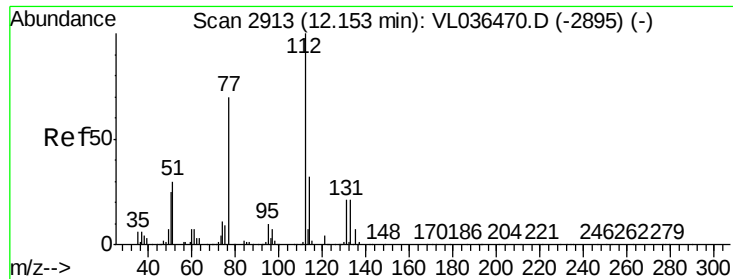
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.657 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion:131 Resp: 1433180
Ion Ratio Lower Upper
131 100
133 95.3 75.8 113.6
119 71.9 48.7 73.1





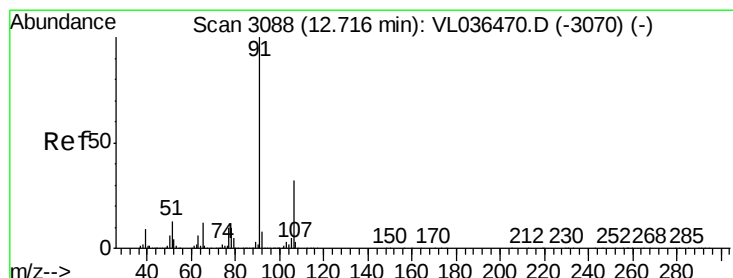
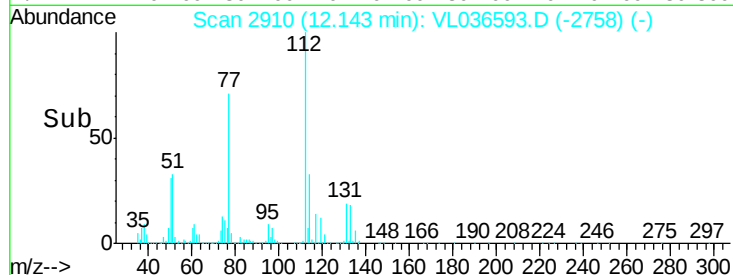
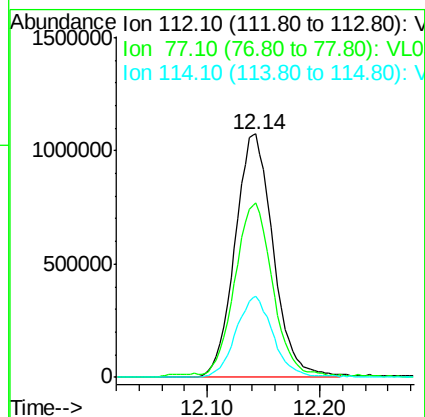
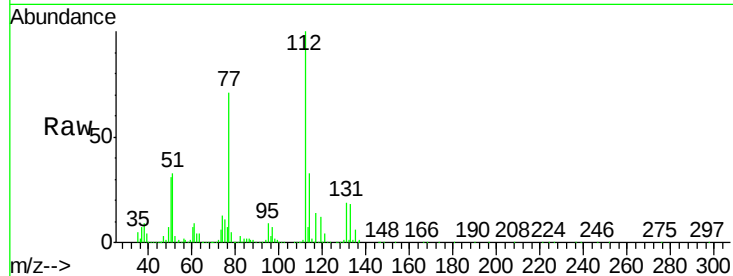
#57
Chlorobenzene
Concen: 9.965 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Instrument :
MSVOA_L
ClientSampled :
VL0331ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	70.4	56.0	84.0
114	33.0	29.0	35.4

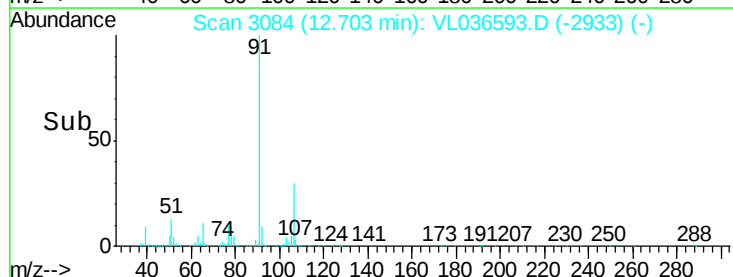
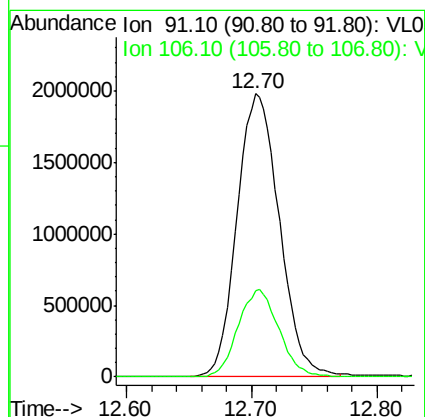
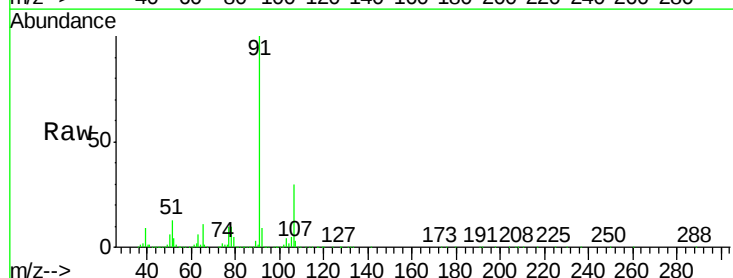
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#58
Ethyl Benzene
Concen: 10.711 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	25.3	37.9





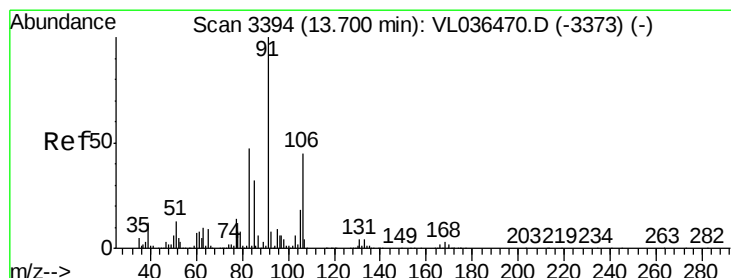
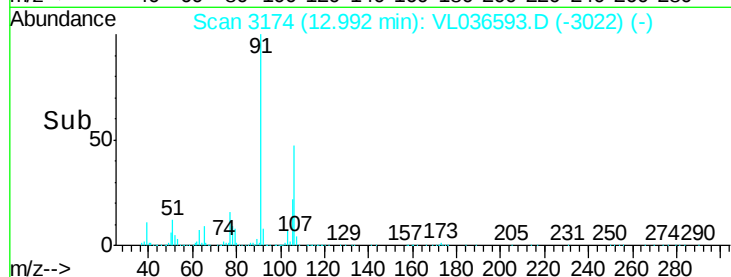
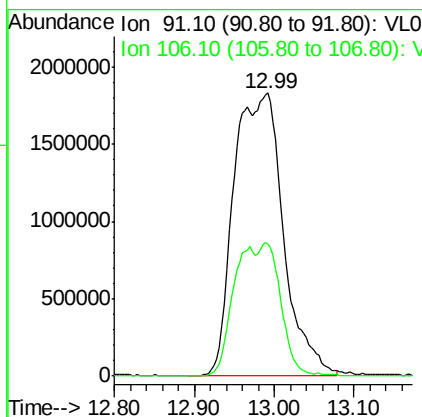
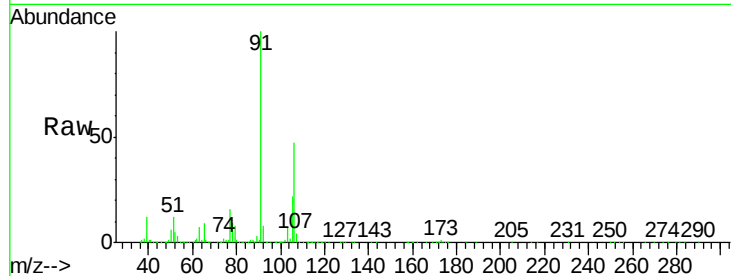
#59
m/p-Xylene
Concen: 20.937 ppbv m
RT: 12.99 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

Tot Ion: 91 Resp: 7899338
Ion Ratio Lower Upper
91 100
106 43.6 35.3 52.9

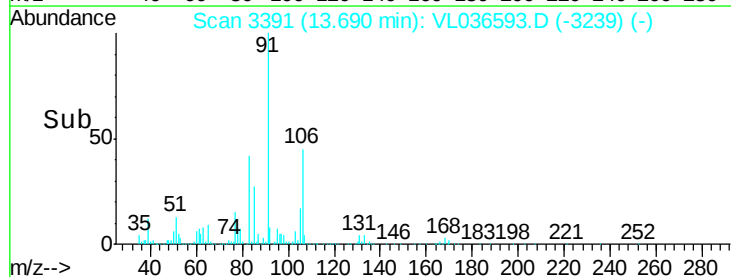
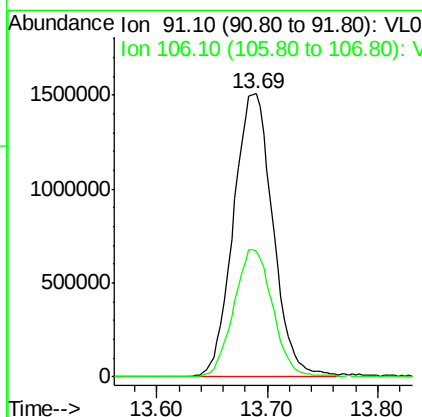
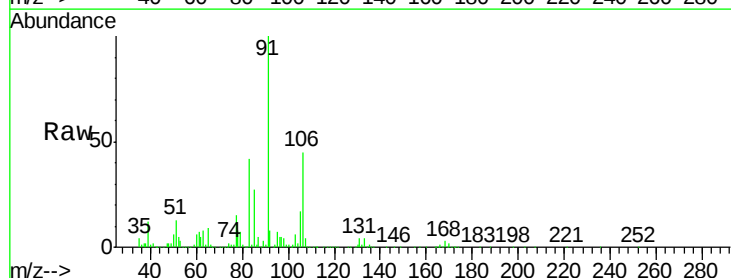
Manual Integrations
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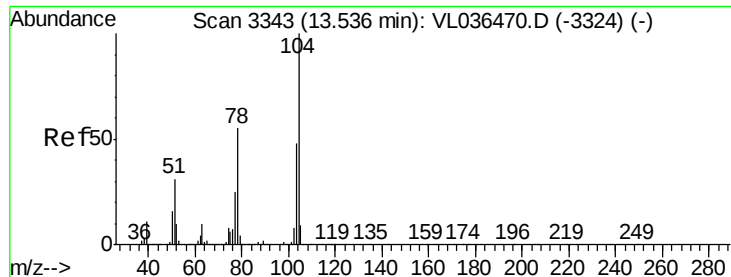
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#60
o-Xylene
Concen: 10.208 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion: 91 Resp: 3724047
Ion Ratio Lower Upper
91 100
106 44.7 22.3 66.9





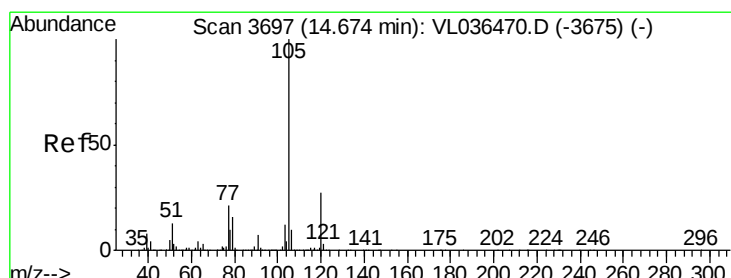
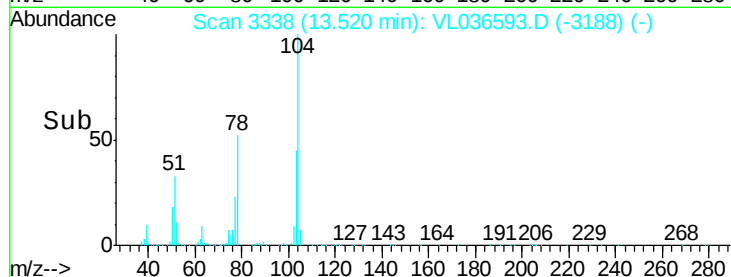
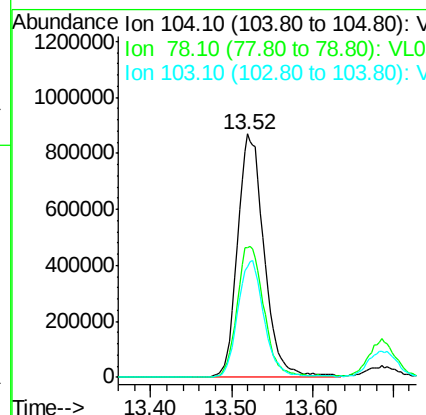
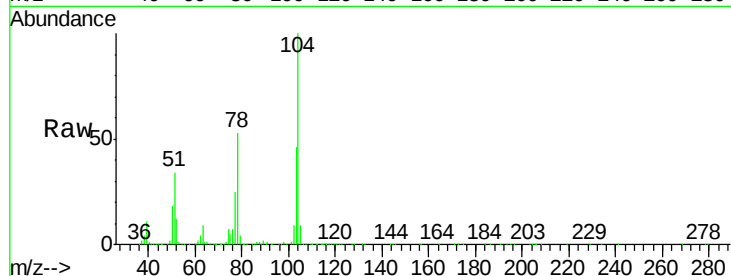
#61
Stvrene
Concen: 10.996 ppbv m
RT: 13.52 min Scan# 3338
Delta R.T. -0.02 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.6	43.8	65.8
103	47.8	38.3	57.5

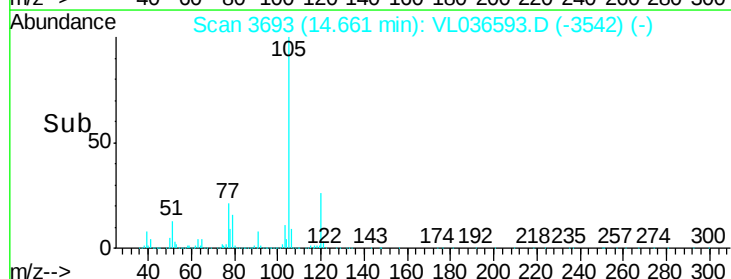
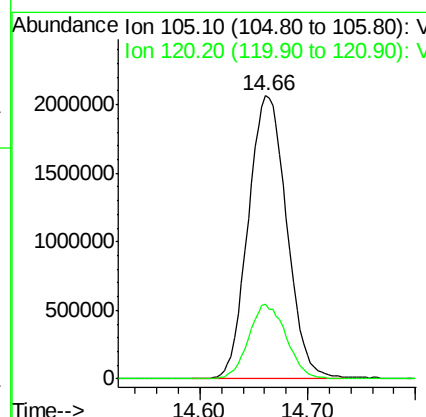
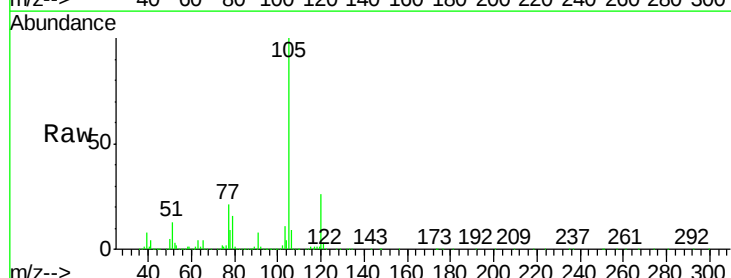
Manual Integrations
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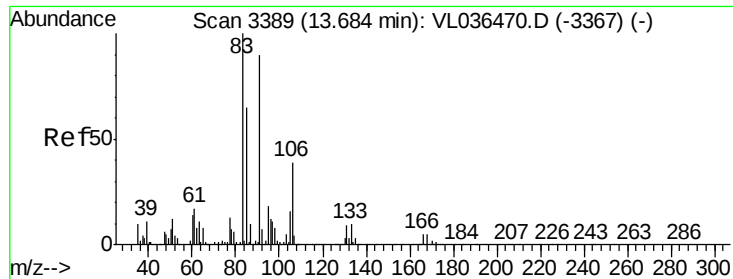
MMDadoda
4/2/2021 6:51:58 PM



#62
Isopropylbenzene
Concen: 10.421 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.6	31.0





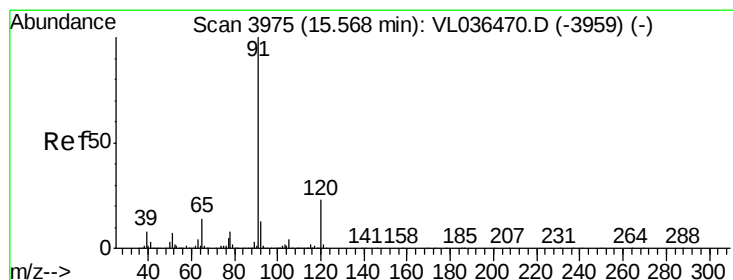
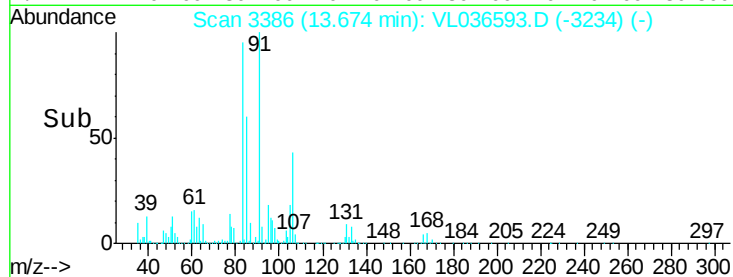
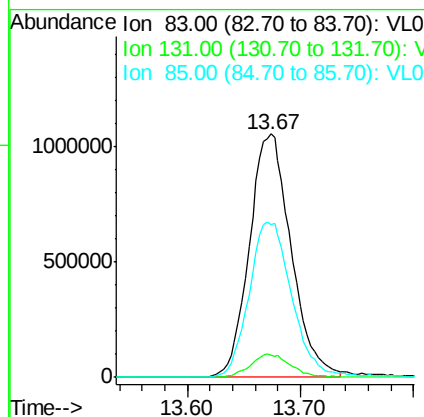
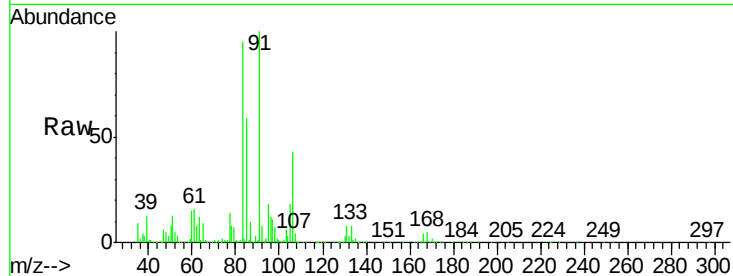
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.693 ppbv
 RT: 13.67 min Scan# 3386
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01

Tot Ion	83	Resp	2697516
Ion Ratio	100	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	66.6	33.1	99.3

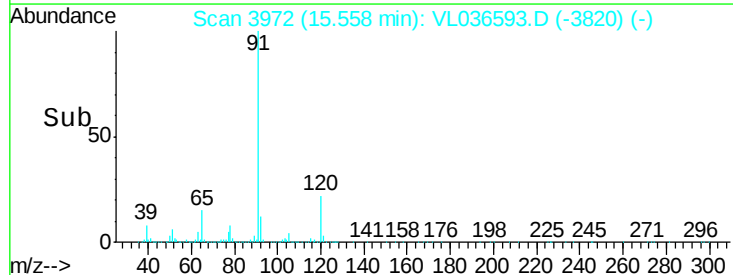
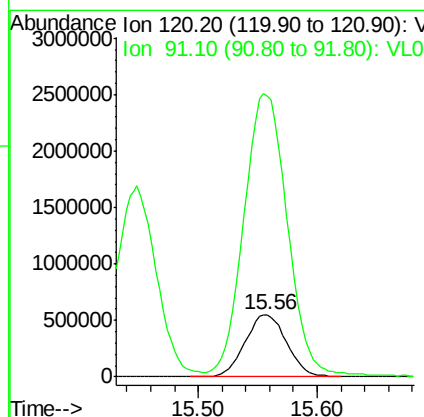
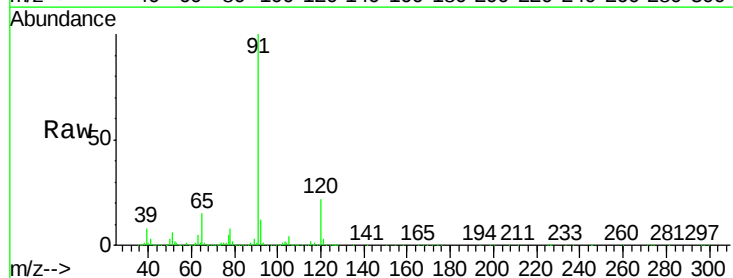
Manual Integrations
 APPROVED

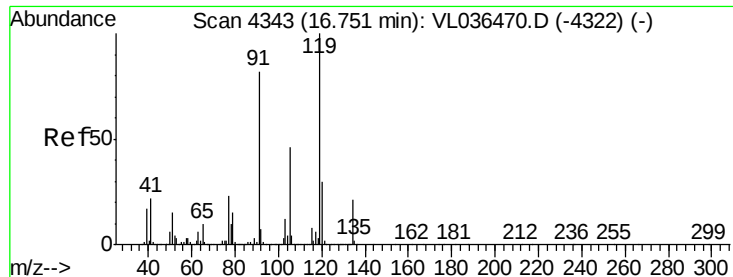
MMDadoda
 4/2/2021 6:51:58 PM



#64
 n-propylbenzene
 Concen: 11.104 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Tgt Ion	120	Resp	1333730
Ion Ratio	100	Lower	Upper
120	100		
91	478.5	377.4	566.2





#65

tert-Butylbenzene

Concen: 10.409 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

Tot Ion:119 Resp: 4434344

Ion Ratio Lower Upper

119 100

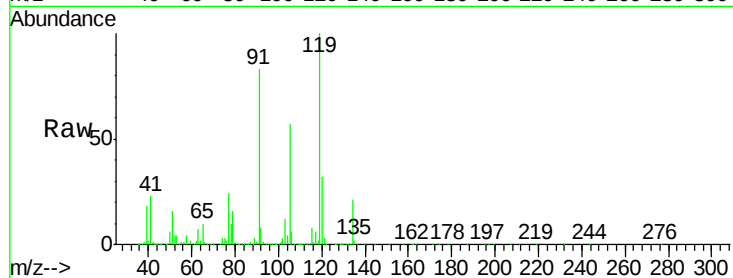
91 85.7 67.5 101.3

134 19.9 15.8 23.8

Manual Integrations
APPROVED

MMDadoda

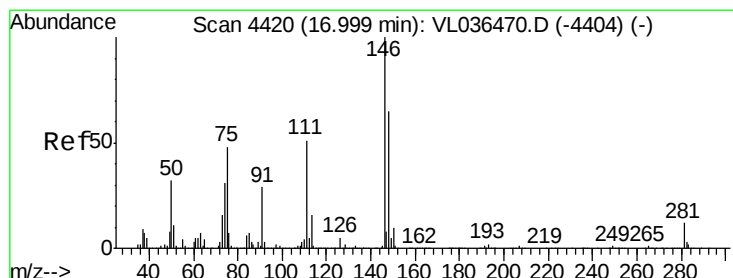
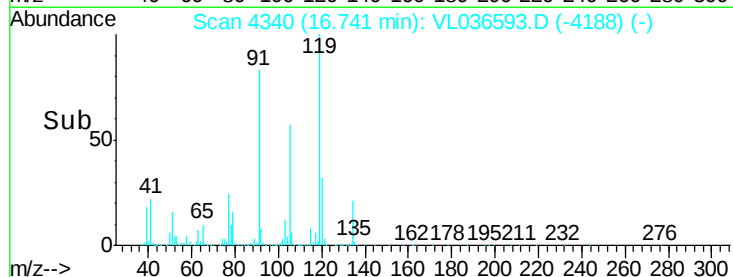
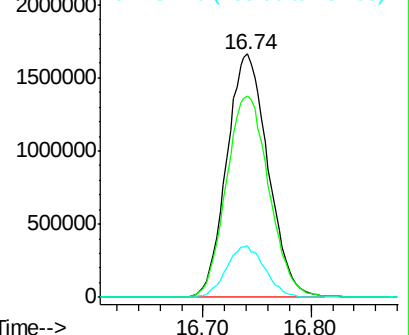
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.139 ppbv m

RT: 16.99 min Scan# 4417

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

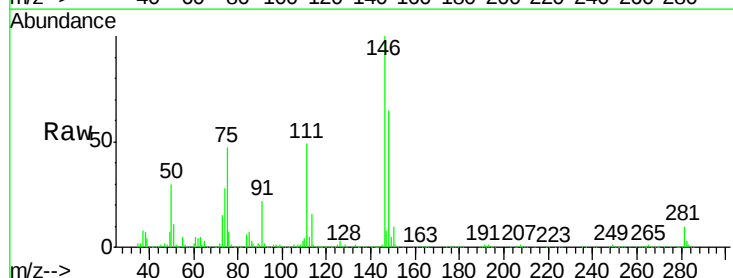
Tgt Ion: 91 Resp: 524492

Ion Ratio Lower Upper

91 100

126 15.7 13.5 20.3

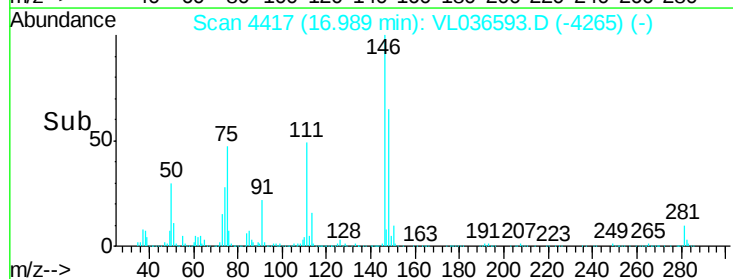
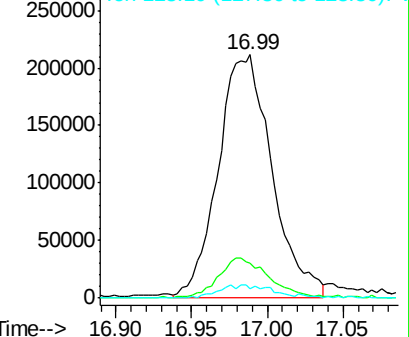
128 0.0 4.2 6.4#

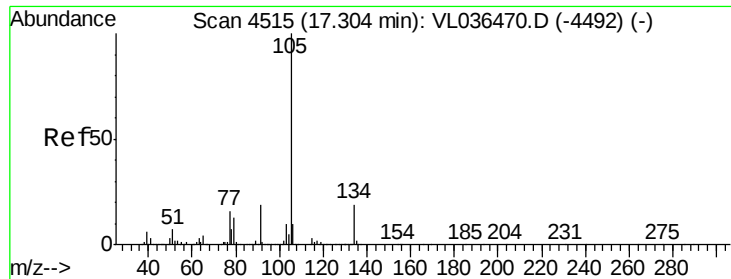


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.430 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. -0.02 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

Tot Ion:105 Resp: 6271883

Ion Ratio Lower Upper

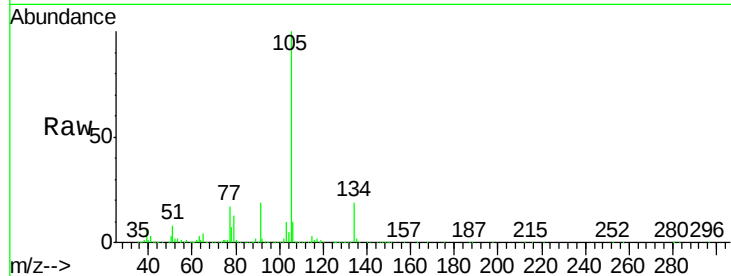
105 100

134 18.2 14.7 22.1

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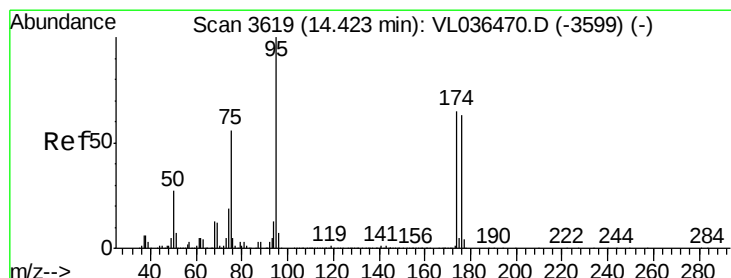
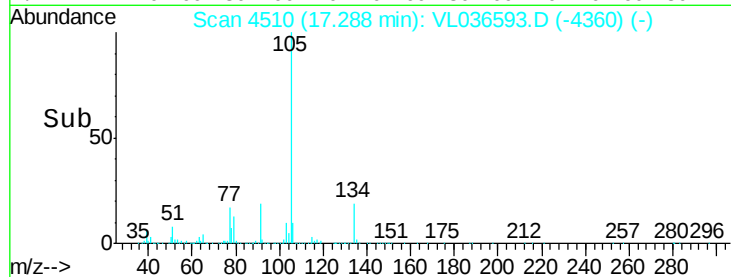
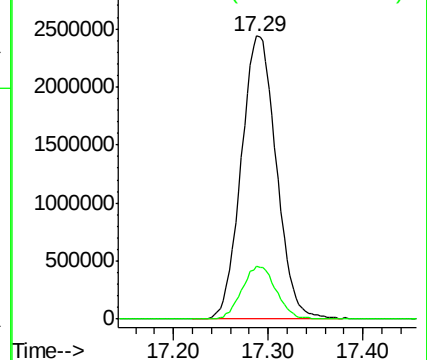
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.634 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

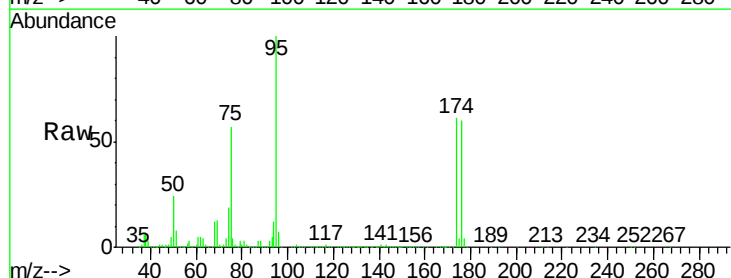
Tgt Ion: 95 Resp: 2519805

Ion Ratio Lower Upper

95 100

174 61.8 51.0 76.6

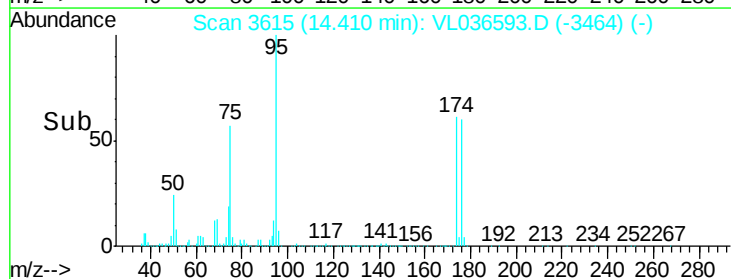
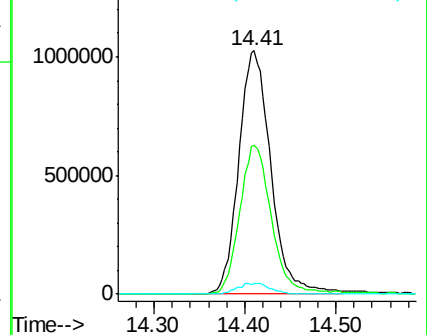
175 4.7 3.9 5.9

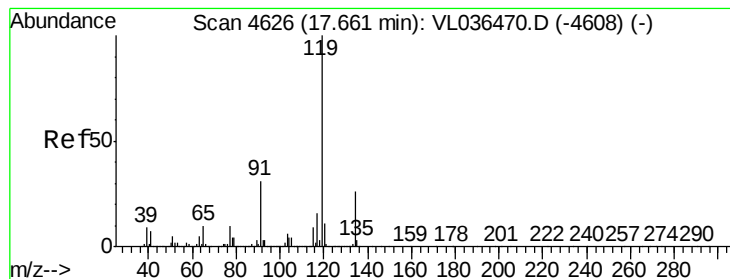


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 10.994 ppbv

RT: 17.65 min Scan# 4622

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

Tot Ion: 119 Resp: 5162385

Ion Ratio Lower Upper

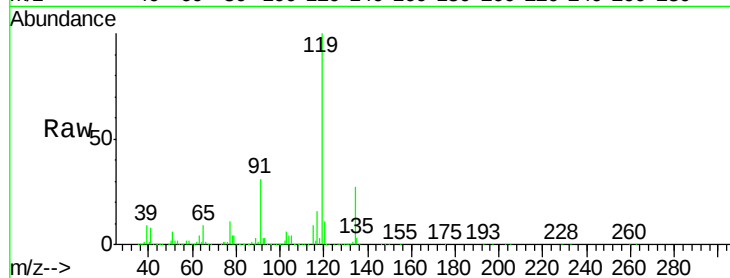
119 100

134 25.8 20.6 30.8

91 31.2 25.0 37.6

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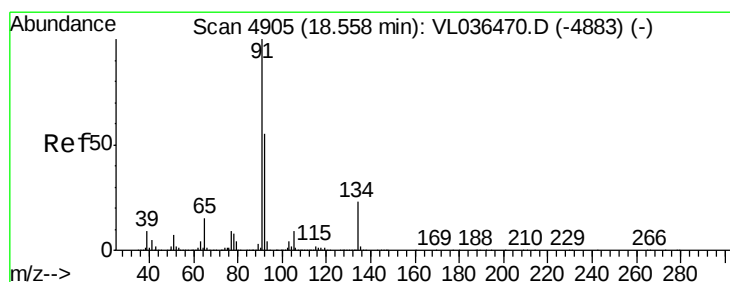
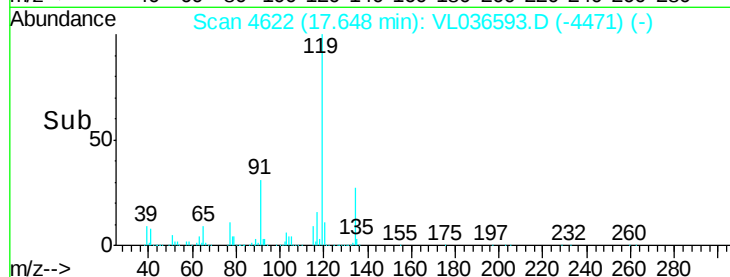
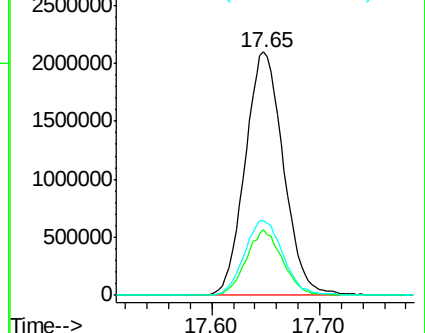
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Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 11.014 ppbv

RT: 18.55 min Scan# 4901

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

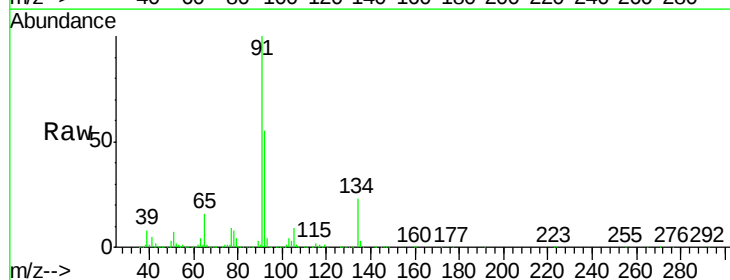
Tgt Ion: 91 Resp: 5362249

Ion Ratio Lower Upper

91 100

92 54.9 43.8 65.8

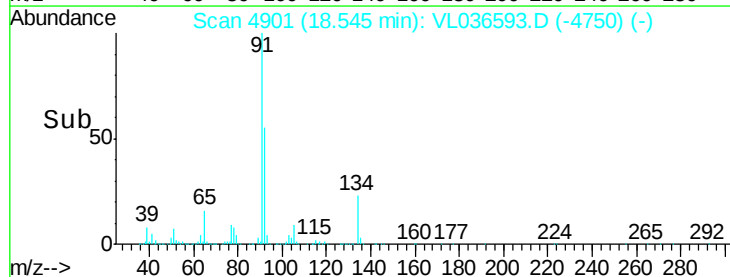
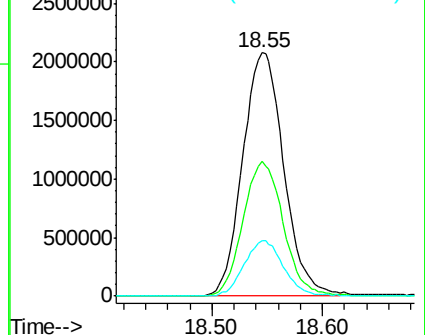
134 22.1 18.0 27.0

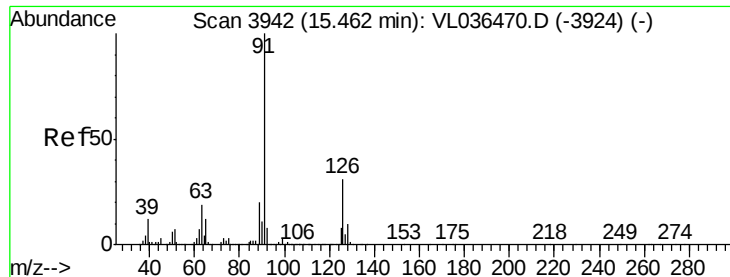


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.879 ppbv

RT: 15.45 min Scan# 3938

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

Tot Ion: 91 Resp: 4004748

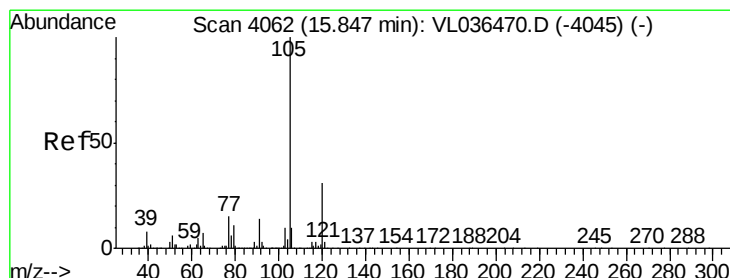
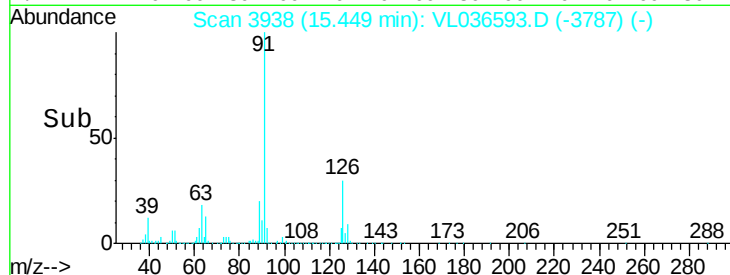
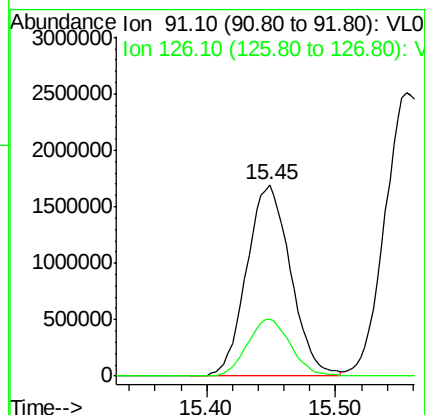
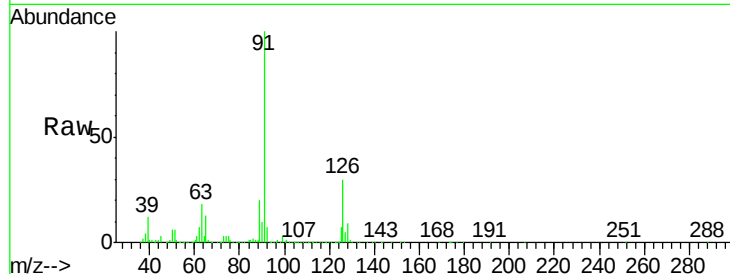
Ion Ratio Lower Upper

91 100

126 30.2 12.1 48.5

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#72

4-Ethyltoluene

Concen: 10.764 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Tgt Ion: 105 Resp: 4302958

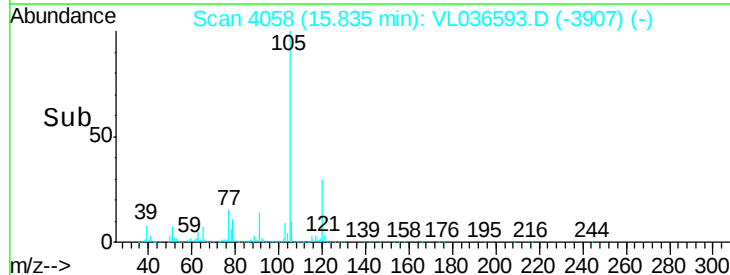
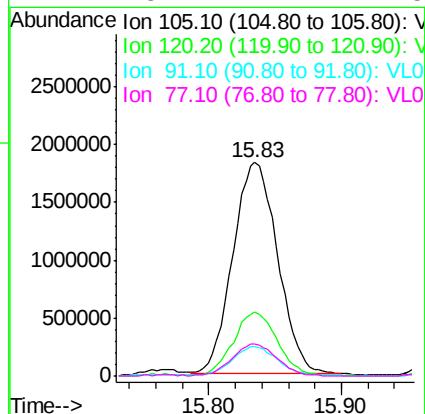
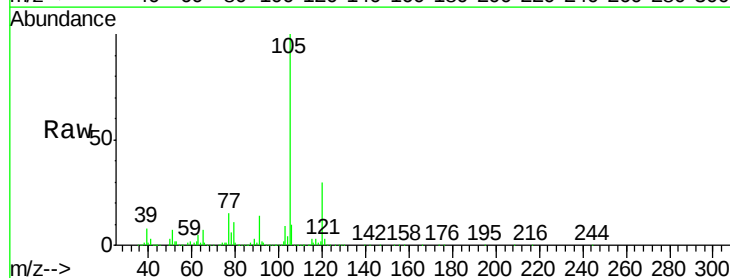
Ion Ratio Lower Upper

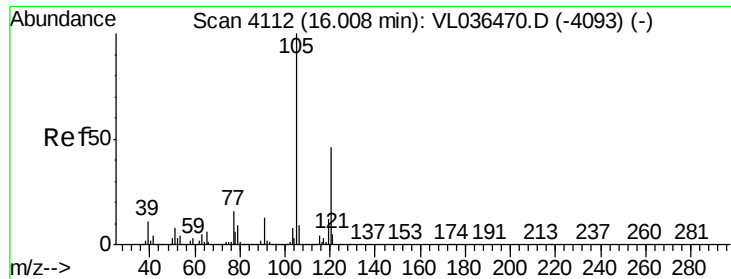
105 100

120 30.0 24.0 36.0

91 13.7 11.0 16.4

77 15.2 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 10.610 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

Tot Ion:105 Resp: 3958438

Ion Ratio Lower Upper

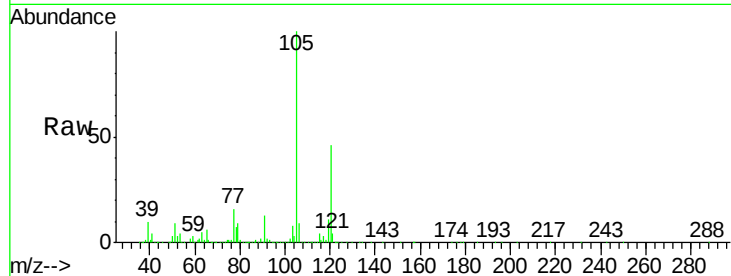
105 100

120 46.2 36.6 54.8

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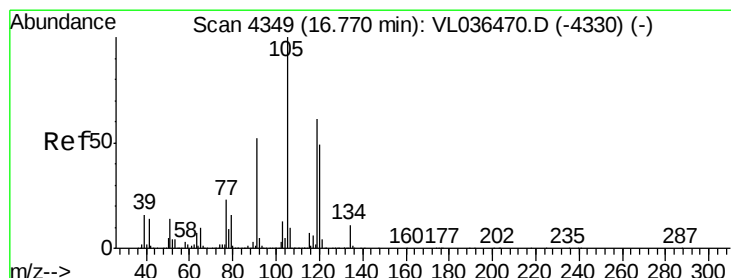
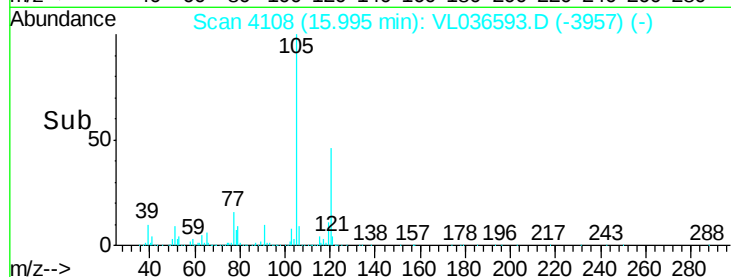
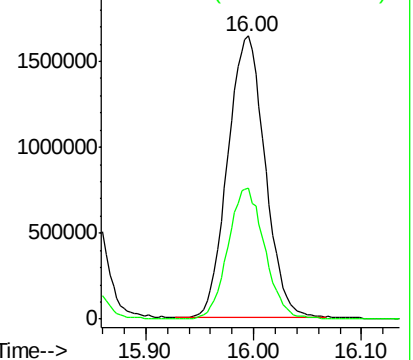
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.300 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Tgt Ion:105 Resp: 4112348

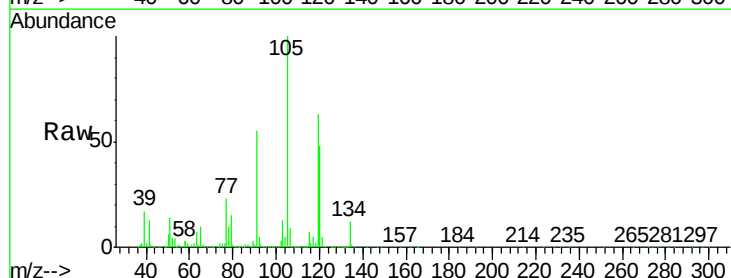
Ion Ratio Lower Upper

105 100

120 48.2 39.2 58.8

91 54.3 42.6 64.0

77 23.1 18.6 28.0

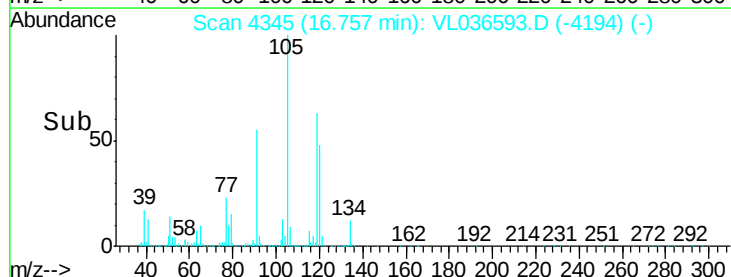
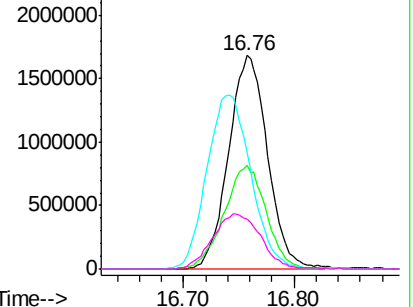


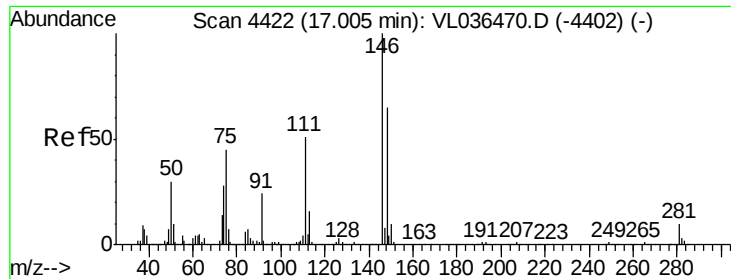
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





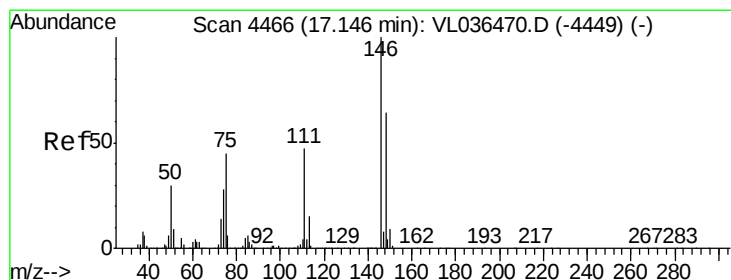
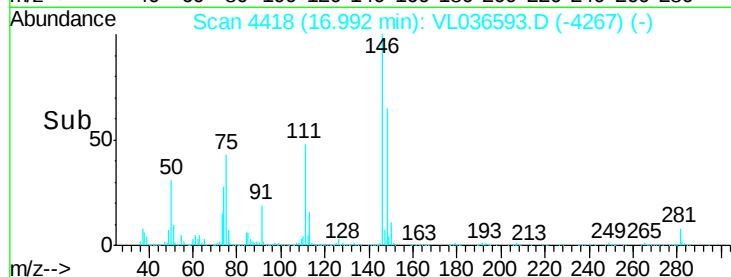
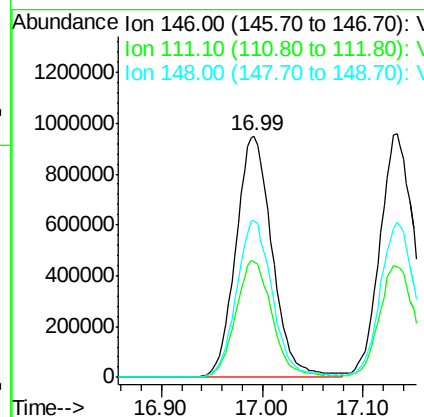
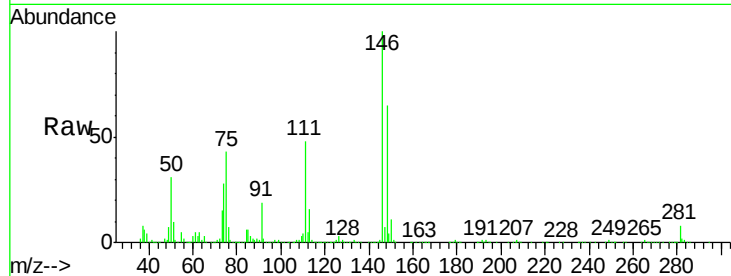
#75
 1,3-Dichlorobenzene
 Concen: 10.562 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01

Tot Ion:146 Resp: 2373592
 Ion Ratio Lower Upper
 146 100
 111 48.5 24.5 73.5
 148 64.2 32.3 96.9

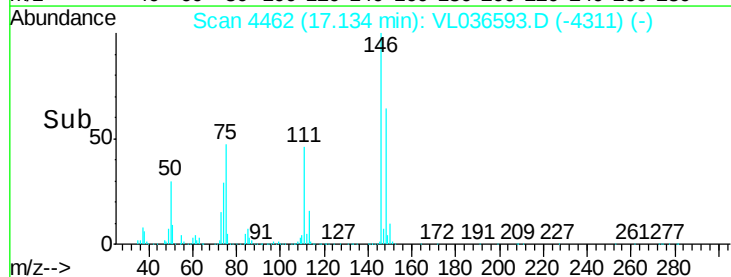
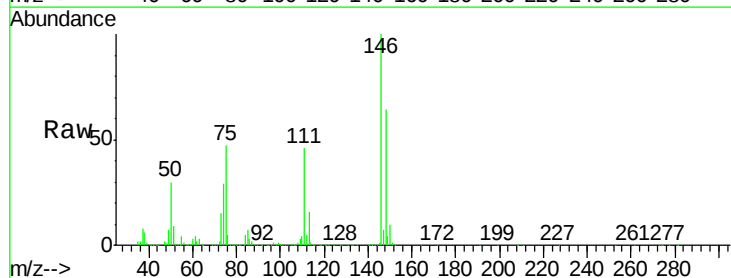
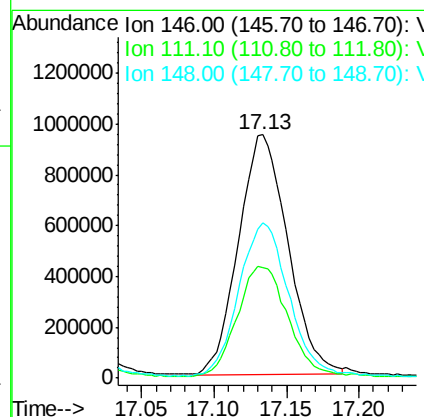
Manual Integrations
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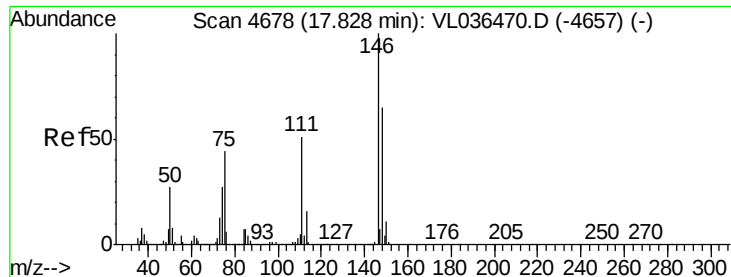
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#76
 1,4-Dichlorobenzene
 Concen: 10.077 ppbv
 RT: 17.13 min Scan# 4462
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Tgt Ion:146 Resp: 2248563
 Ion Ratio Lower Upper
 146 100
 111 49.2 24.3 72.8
 148 66.9 33.0 98.9





#77

1,2-Dichlorobenzene

Concen: 10.648 ppbv

RT: 17.82 min Scan# 4674

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

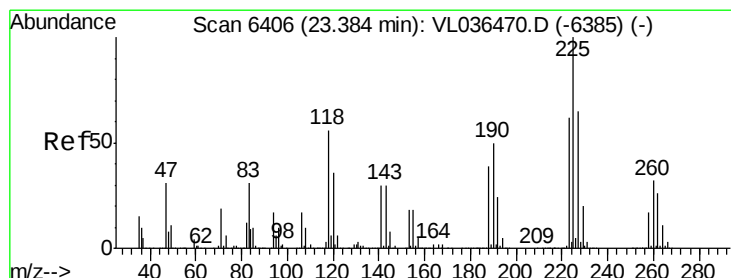
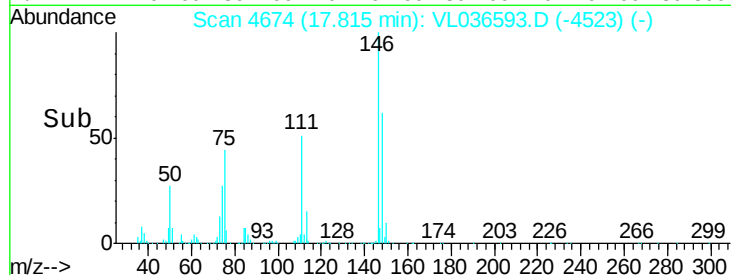
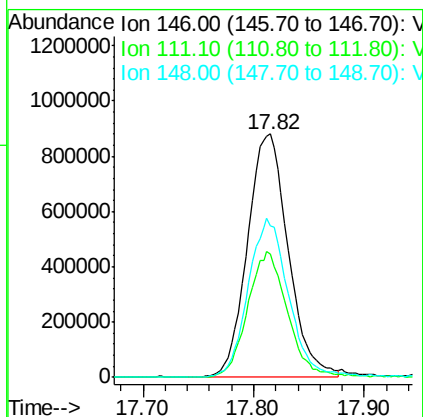
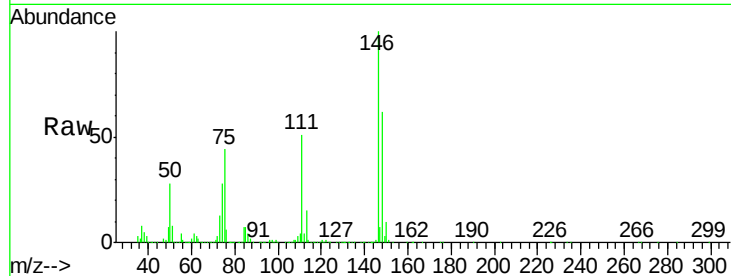
ClientSampleId :

VL0331ABS01

Tot Ion:	146	Resp:	2249321
Ion	Ratio	Lower	Upper
146	100		
111	50.6	25.5	76.5
148	65.1	32.9	98.6

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#78

Hexachloro-1,3-Butadiene

Concen: 9.106 ppbv

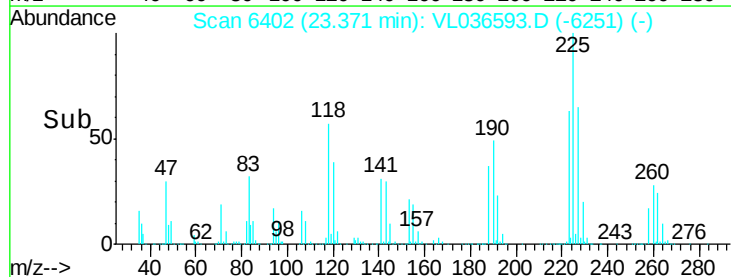
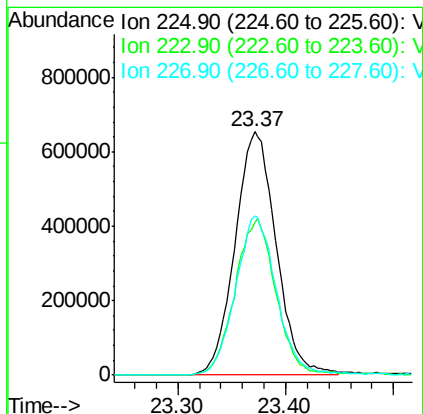
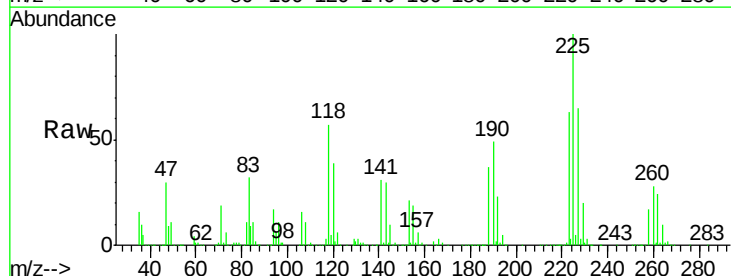
RT: 23.37 min Scan# 6402

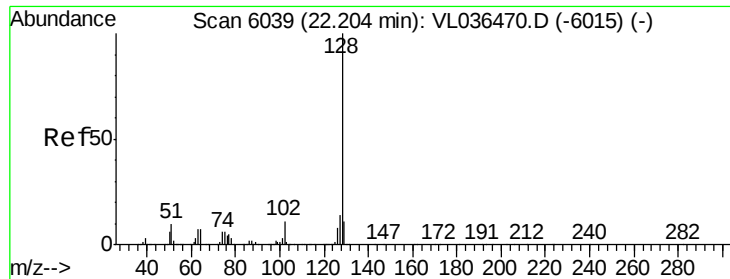
Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Tgt Ion:	225	Resp:	1722832
Ion	Ratio	Lower	Upper
225	100		
223	64.9	50.6	75.8
227	65.9	52.2	78.2





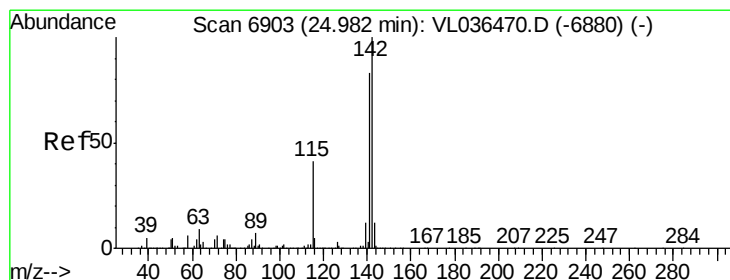
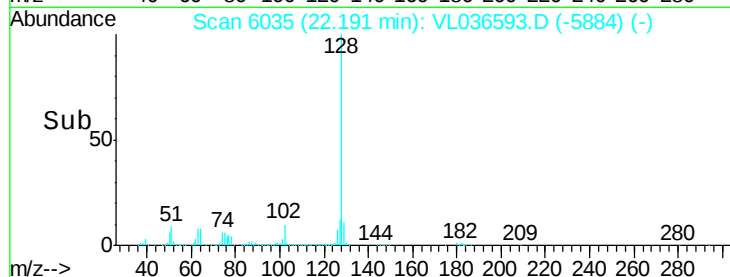
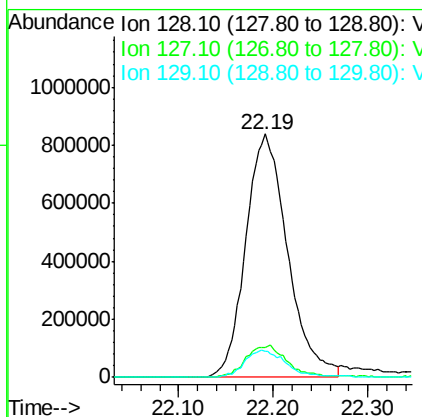
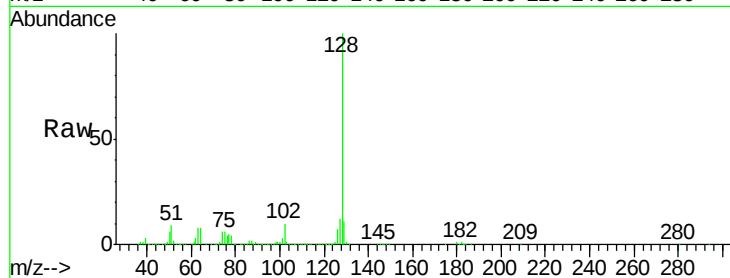
#79
Naphthalene
Concen: 11.068 ppbv
RT: 22.19 min Scan# 6035
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.9	16.3
129	10.9	9.0	13.4

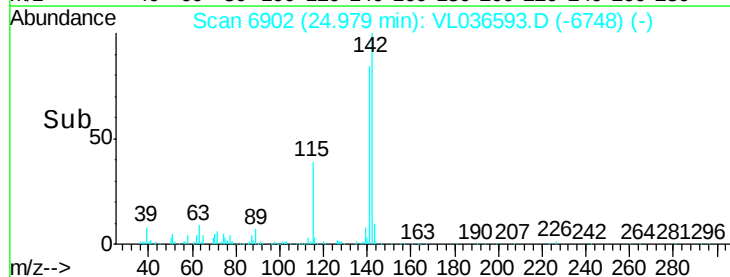
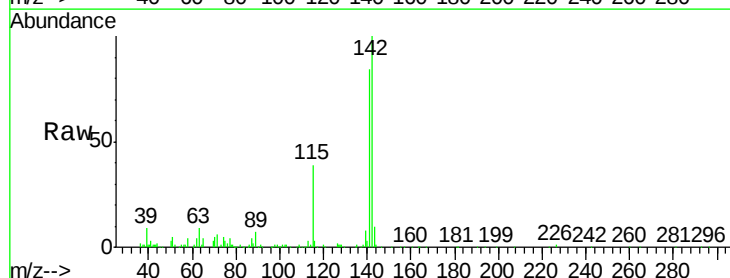
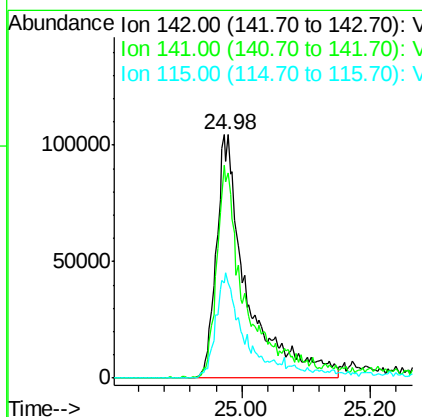
Manual Integrations
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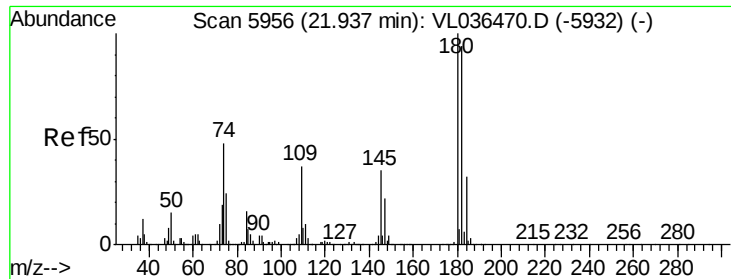
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#80
Naphthalene, 2-methyl-
Concen: 7.530 ppbv
RT: 24.98 min Scan# 6902
Delta R.T. -0.00 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.1	67.8	101.8
115	43.0	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 10.991 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. -0.02 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.4	80.8	121.2
184	31.9	25.0	37.4

Manual Integrations
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