

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041221\
 Data File : VL036787.D
 Acq On : 12 Apr 2021 12:32
 Operator : SY/AP
 Sample : VL0412ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

Manual Integrations
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apatel
 4/13/2021 10:42:56 AM

Quant Time: Apr 12 18:51:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 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)
1) Bromochloromethane	5.68	49	1483801	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3842543	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.11	117	3163669m	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2224868	8.82	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1900991	7.855	ppbv 97
3) Chlorodifluoromethane	2.99	51	2641055	9.527	ppbv 99
4) Chloromethane	3.15	50	959967	9.803	ppbv 99
5) Vinyl Chloride	3.26	62	964160	9.576	ppbv 99
6) Bromomethane	3.48	94	535118	9.653	ppbv 96
7) Chloroethane	3.56	64	337950	9.768	ppbv 95
8) Dichlorotetrafluoroethane	3.20	85	2188231	9.474	ppbv 98
9) Propene	3.02	41	869603	9.839	ppbv 99
10) Heptane	8.14	43	2218373	9.853	ppbv 98
11) Trichlorofluoromethane	3.96	101	2243093	9.095	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1521500	9.649	ppbv 98
13) Ethanol	3.62	45	129152	12.272	ppbv 95
14) Bromoethene	3.75	108	665109	10.146	ppbv 98
15) Acetone	3.86	43	1299107	8.896	ppbv 99
16) 1,3-Butadiene	3.34	39	981124	9.650	ppbv 97
17) tert-Butyl alcohol	4.30	59	1574137	12.382	ppbv 99
18) 1,1-Dichloroethene	4.30	96	692044	9.866	ppbv 91
19) Isopropyl Alcohol	3.98	45	956847	11.911	ppbv # 96
20) Methylene Chloride	4.36	84	605649	8.858	ppbv 96
21) Allyl Chloride	4.42	41	1189257	10.215	ppbv 98
22) trans-1,2-Dichloroethene	4.90	96	656750	10.099	ppbv 90
23) Vinyl Acetate	5.09	43	2540166	10.168	ppbv 98
24) 1,1-Dichloroethane	5.02	63	1804499	9.910	ppbv 99
25) Ethyl Acetate	5.69	43	3441134	9.911	ppbv 99
26) Hexane	5.70	57	1602645	9.947	ppbv 99
27) Carbon Disulfide	4.56	76	1713841	10.798	ppbv 98
28) Methyl tert-Butyl Ether	5.05	73	1992020	10.484	ppbv 99
29) Chloroform	5.77	83	2505116	9.722	ppbv 100
30) Cyclohexane	7.15	84	1382564	10.580	ppbv 96
31) cis-1,2-Dichloroethene	5.56	61	1602912	10.286	ppbv 95
32) 1,1,1-Trichloroethane	6.53	97	2552133	9.828	ppbv 99
34) 2-Butanone	5.26	43	1690847	9.015	ppbv 96
35) Carbon Tetrachloride	7.03	117	2666844	9.036	ppbv 97
36) Benzene	6.91	78	3382065	9.543	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1934987	9.277	ppbv 100
38) Trichloroethene	7.85	130	1213265	8.797	ppbv 99
39) 1,2-Dichloropropane	7.63	63	1306665	9.089	ppbv 96
40) 1,4-Dioxane	7.85	88	343270m	10.260	ppbv
41) Tetrahydrofuran	6.06	42	826883	9.561	ppbv 95
42) Bromodichloromethane	7.81	83	2712756	9.562	ppbv 99
43) Methyl Methacrylate	8.03	69	1204945	10.125	ppbv 97

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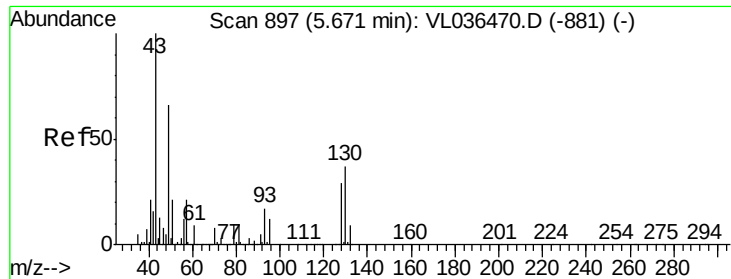
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5603600	8.984	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	1469225	10.812	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1820166	10.479	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	1359623	9.338	ppbv	96
48) Dibromochloromethane	10.32	129	2259785	10.181	ppbv	98
49) Bromoform	13.06	173	1795544	10.040	ppbv	97
50) 4-Methyl-2-Pentanone	8.76	43	2586338	9.530	ppbv	99
51) 2-Hexanone	10.16	43	1377458	10.057	ppbv #	97
52) Tetrachloroethene	11.24	164	1125610	8.626	ppbv	95
53) Toluene	9.82	91	3743642	9.920	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1959090	9.527	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1492966	10.433	ppbv	94
57) Chlorobenzene	12.17	112	2744220	10.195	ppbv	97
58) Ethyl Benzene	12.73	91	4976961	10.813	ppbv	99
59) m/p-Xylene	13.01	91	8377393m	20.867	ppbv	
60) o-Xylene	13.72	91	3927488	10.118	ppbv	99
61) Styrene	13.55	104	2350142	12.034	ppbv	99
62) Isopropylbenzene	14.69	105	5350158	10.235	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2852840	9.634	ppbv	99
64) n-propylbenzene	15.58	120	1392038	10.892	ppbv	98
65) tert-Butylbenzene	16.77	119	4644086	10.246	ppbv	100
66) Benzyl Chloride	17.01	91	655685	13.087	ppbv	99
67) sec-Butylbenzene	17.32	105	6509651	10.174	ppbv	100
69) p-Isopropyltoluene	17.68	119	5382254	10.772	ppbv	99
70) n-Butylbenzene	18.57	91	5567584	10.747	ppbv	99
71) 2-Chlorotoluene	15.48	91	4116085	10.508	ppbv	99
72) 4-Ethyltoluene	15.86	105	4506417	10.595	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	4278494	10.777	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	4345396	10.228	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	2554302	10.682	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2497205	10.518	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2411588	10.729	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1783194	8.858	ppbv	100
79) Naphthalene	22.23	128	3021382	12.188	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	882473	18.052	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	1717519	11.221	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

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ClientSampleId :

VL0412ABS01

Tot Ion: 49 Resp: 1483801

Ion Ratio Lower Upper

49 100

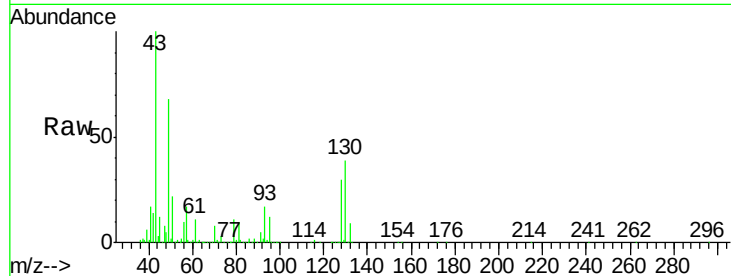
128 48.8 23.5 70.6

130 60.5 29.1 87.4

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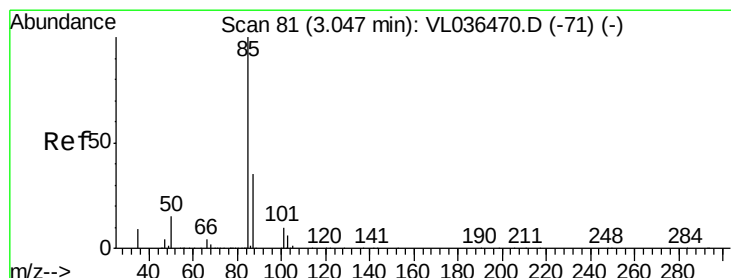
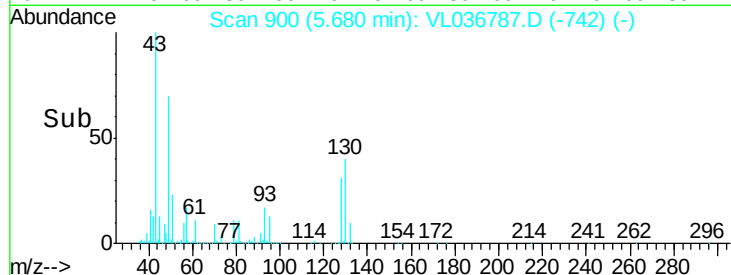
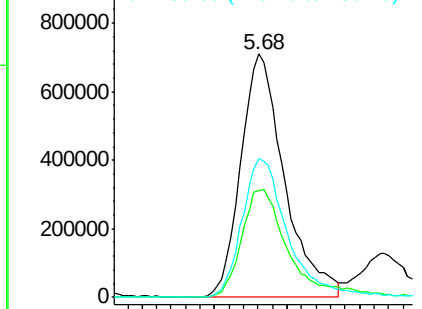
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.855 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL036787.D

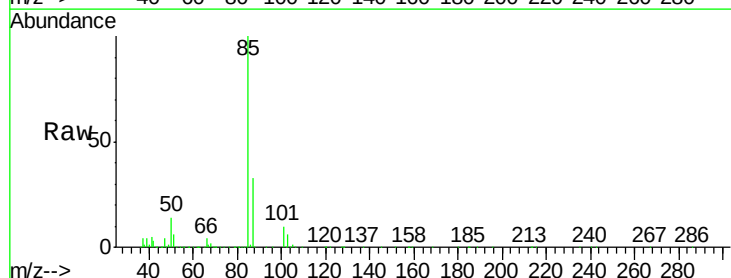
Acq: 12 Apr 2021 12:32

Tgt Ion: 85 Resp: 1900991

Ion Ratio Lower Upper

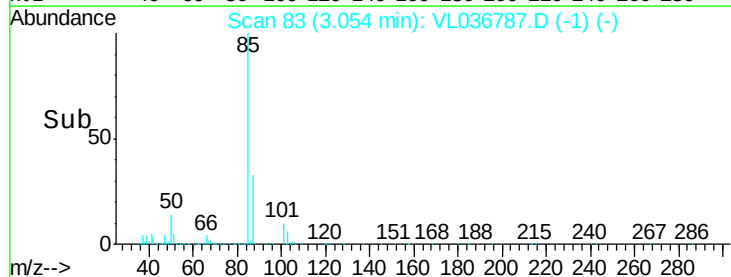
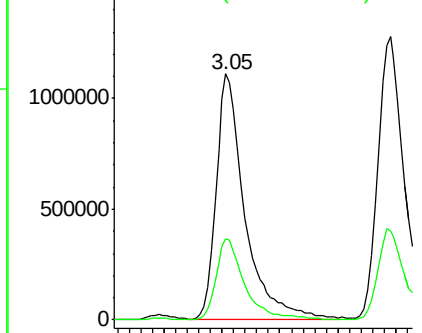
85 100

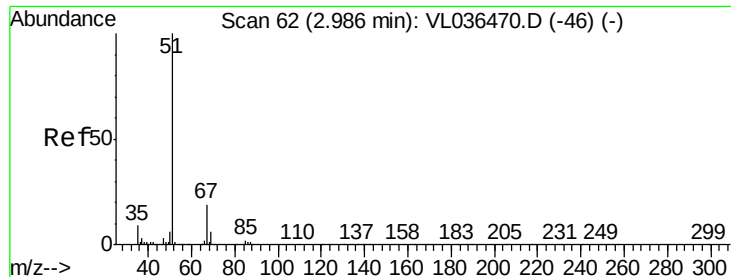
87 33.2 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





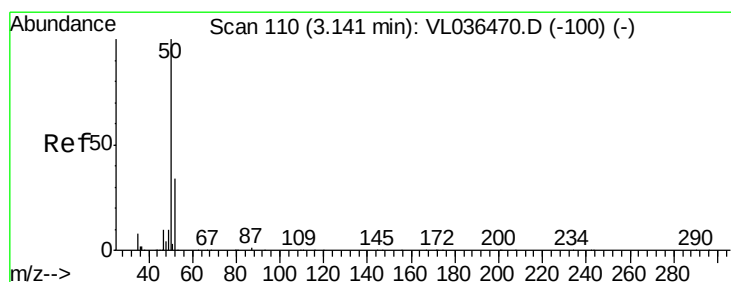
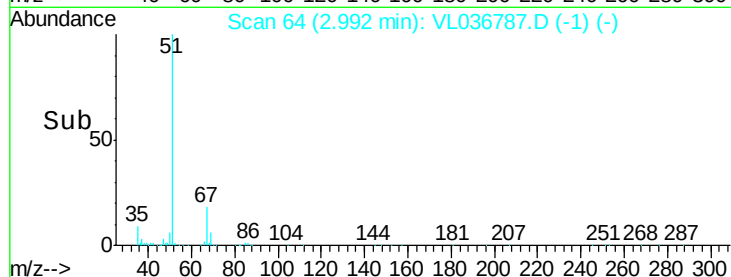
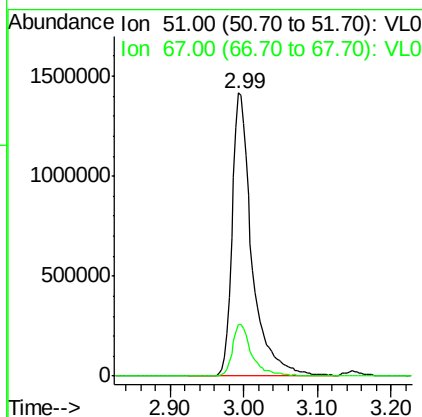
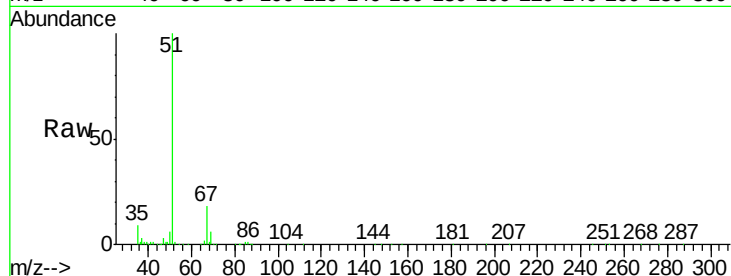
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Chlorodifluoromethane
Concen: 9.527 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Instrument :
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VL0412ABS01

Tot Ion: 51 Resp: 2641055
Ion Ratio Lower Upper
51 100
67 18.1 14.7 22.1

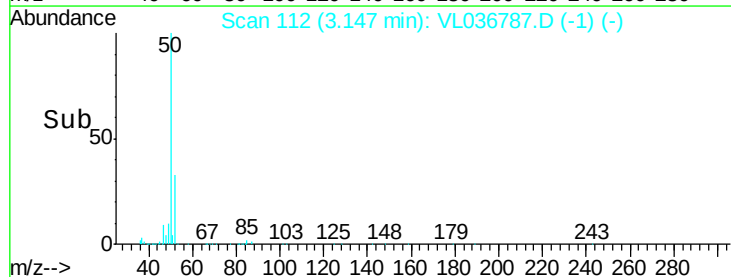
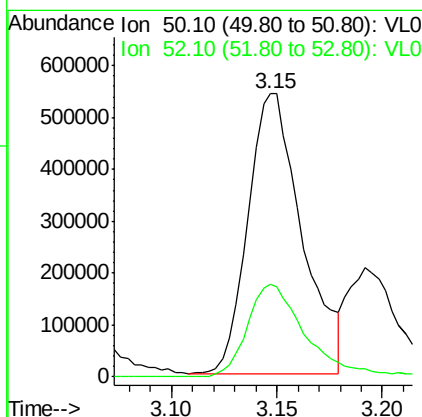
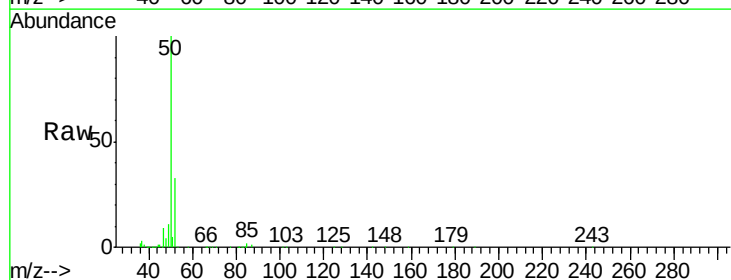
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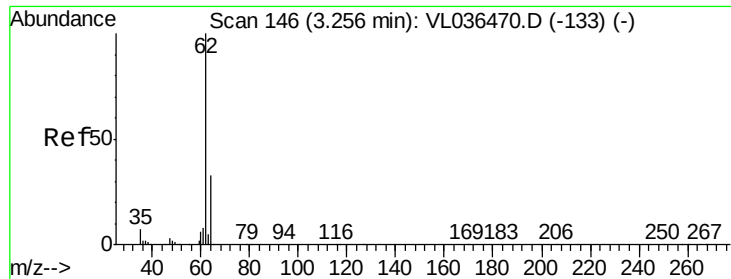
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#4
Chloromethane
Concen: 9.803 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Tgt Ion: 50 Resp: 959967
Ion Ratio Lower Upper
50 100
52 33.3 27.0 40.6





#5

Vinyl Chloride

Concen: 9.576 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Instrument :

MSVOA_L

ClientSampleID :

VL0412ABS01

Tot Ion: 62 Resp: 964160

Ion Ratio Lower Upper

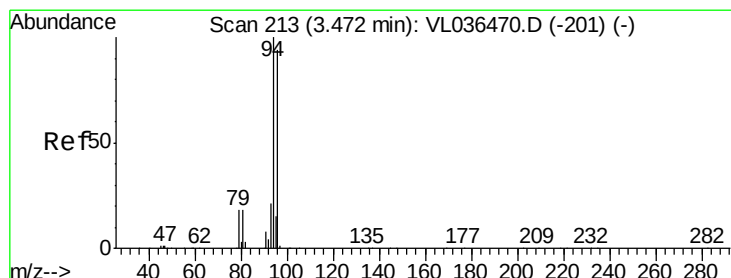
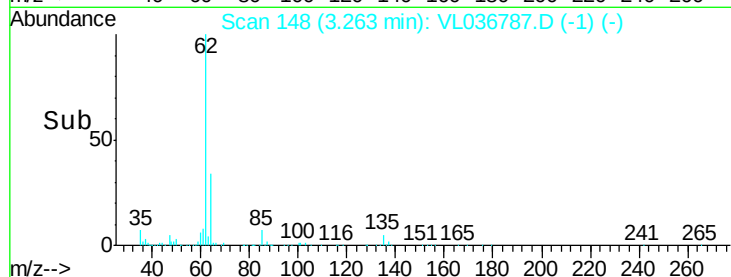
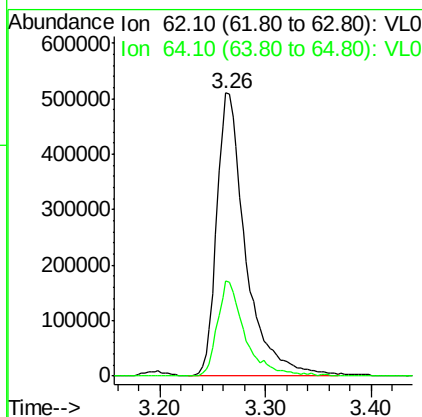
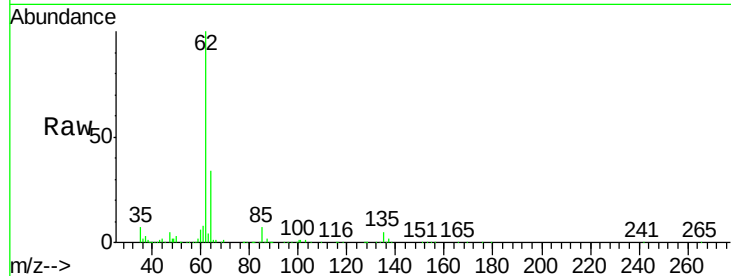
62 100

64 33.8 26.4 39.6

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#6

Bromomethane

Concen: 9.653 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036787.D

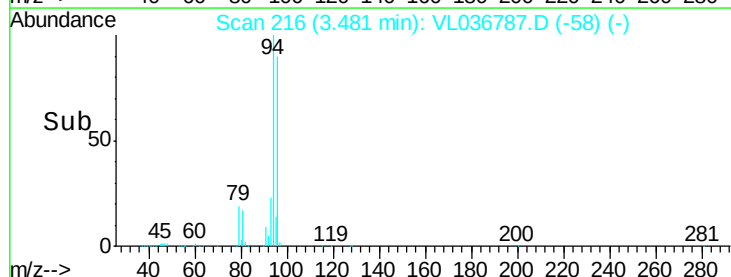
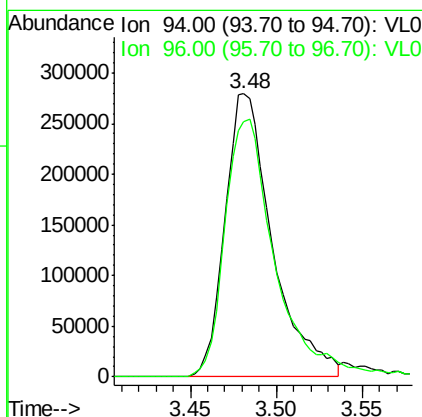
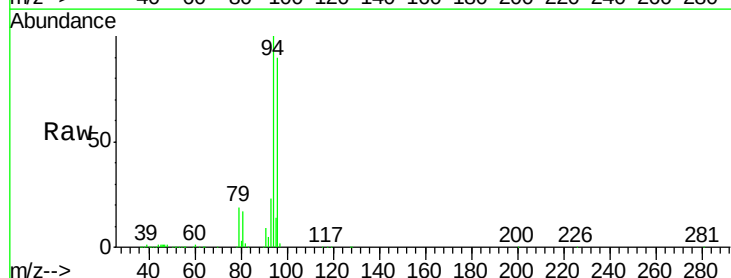
Acq: 12 Apr 2021 12:32

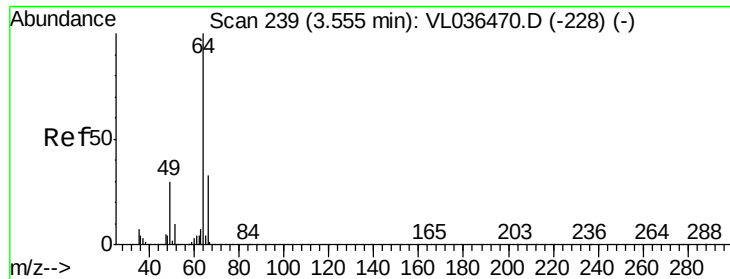
Tgt Ion: 94 Resp: 535118

Ion Ratio Lower Upper

94 100

96 89.9 74.9 112.3





#7

Chloroethane

Concen: 9.768 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tot Ion: 64 Resp: 337950

Ion Ratio Lower Upper

64 100

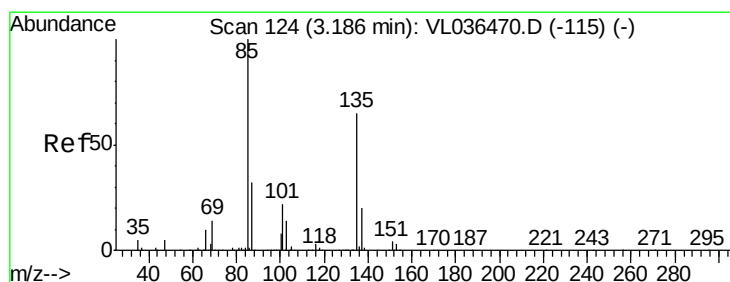
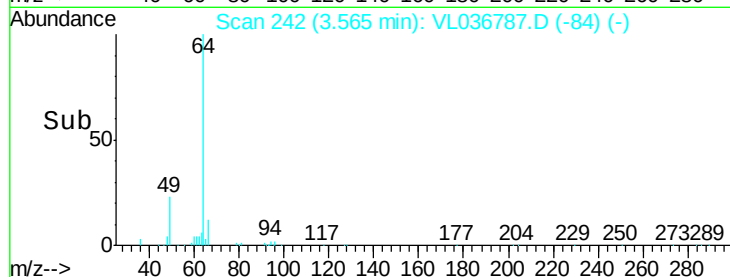
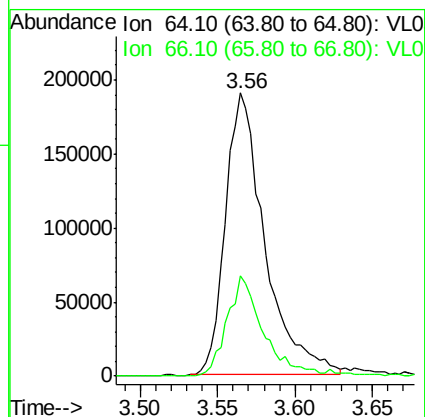
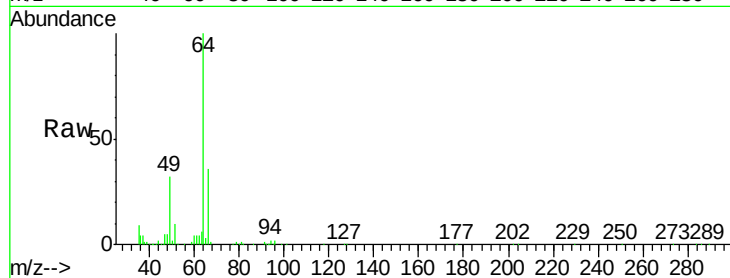
66 35.6 26.2 39.2

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#8

Dichlorotetrafluoroethane

Concen: 9.474 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036787.D

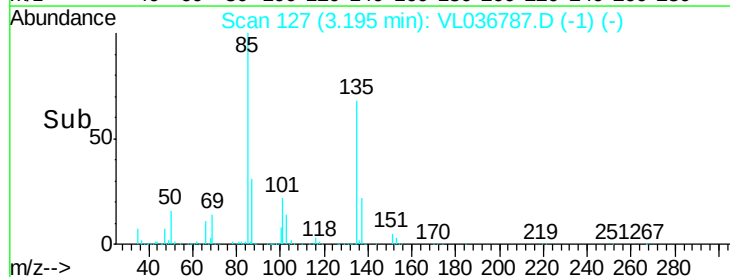
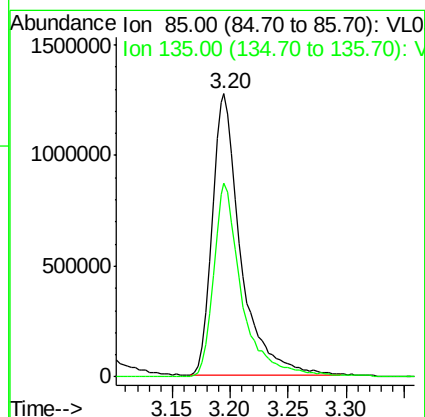
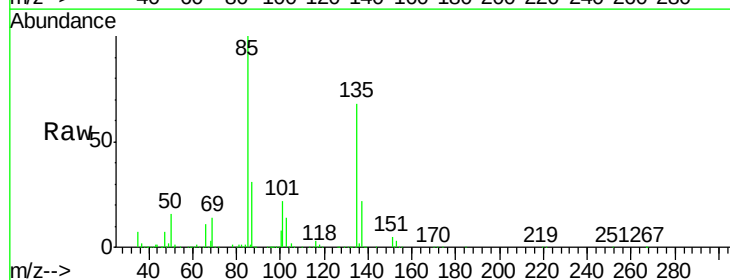
Acq: 12 Apr 2021 12:32

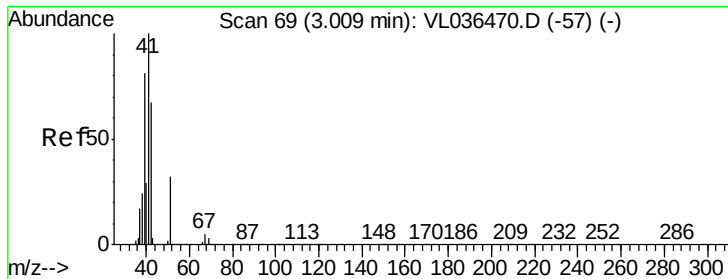
Tgt Ion: 85 Resp: 2188231

Ion Ratio Lower Upper

85 100

135 69.2 54.3 81.5





#9

Propene

Concen: 9.839 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tot Ion: 41 Resp: 869603

Ion Ratio Lower Upper

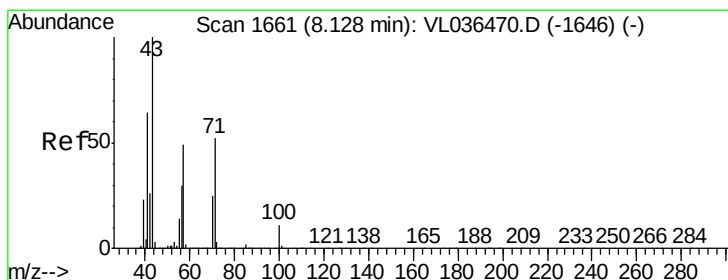
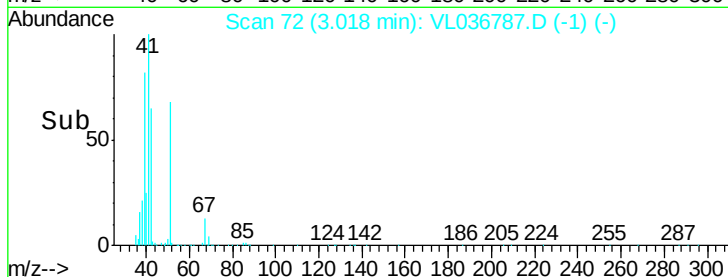
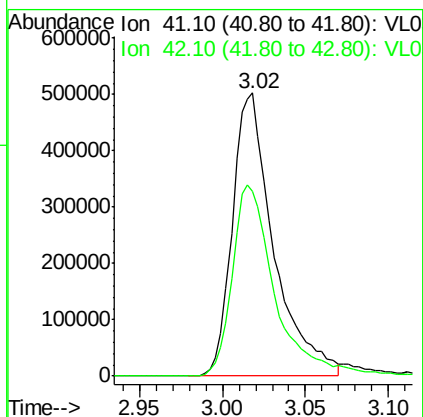
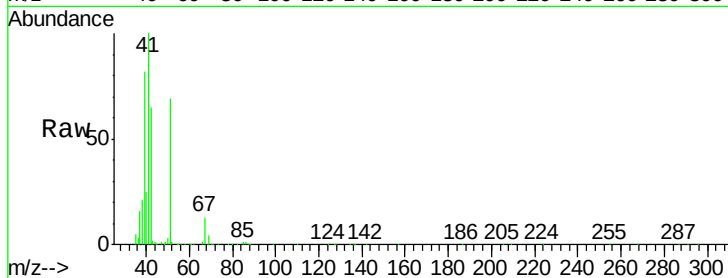
41 100

42 70.7 57.0 85.4

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#10

Heptane

Concen: 9.853 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.02 min

Lab File: VL036787.D

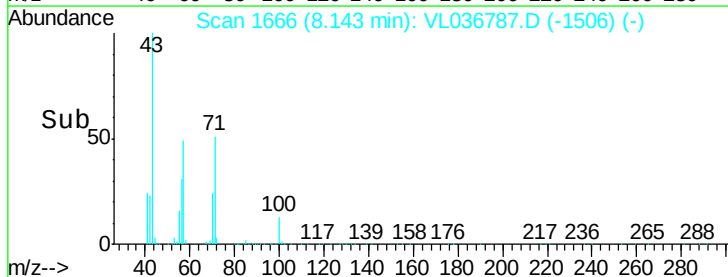
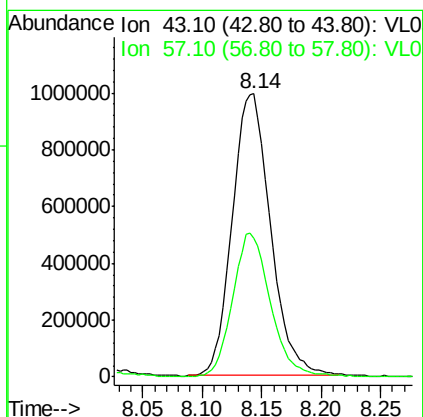
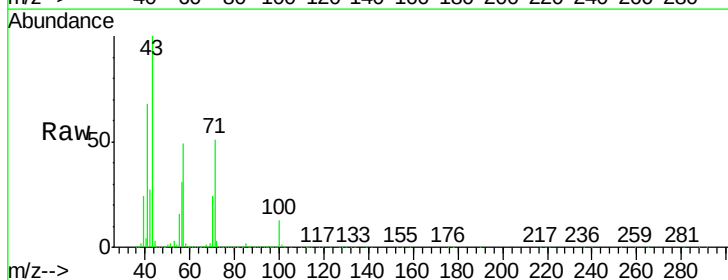
Acq: 12 Apr 2021 12:32

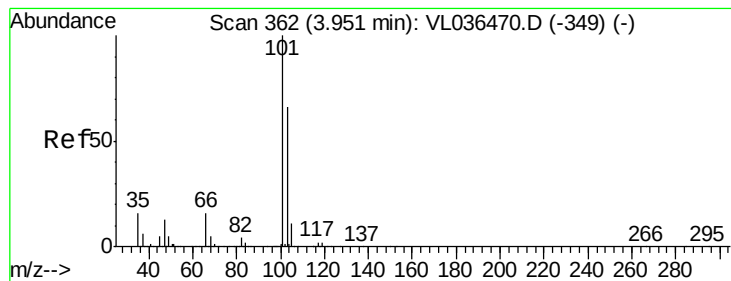
Tgt Ion: 43 Resp: 2218373

Ion Ratio Lower Upper

43 100

57 50.4 39.0 58.6





#11

Trichlorofluoromethane

Concen: 9.095 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tot Ion:101 Resp: 2243093

Ion Ratio Lower Upper

101 100

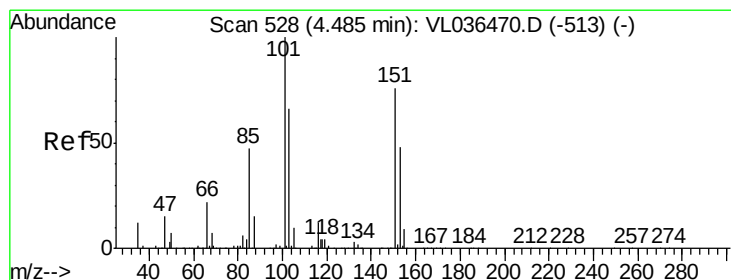
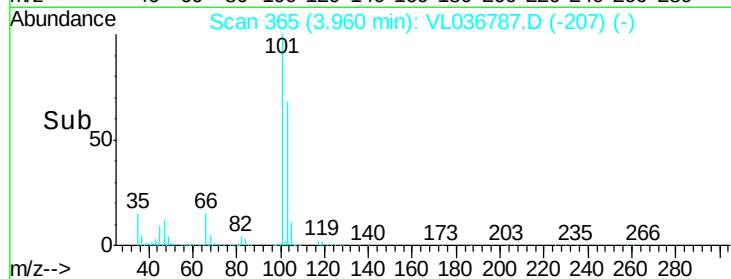
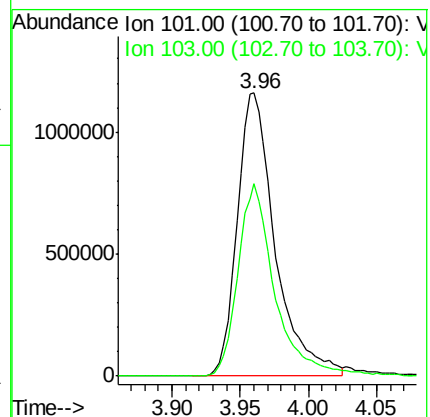
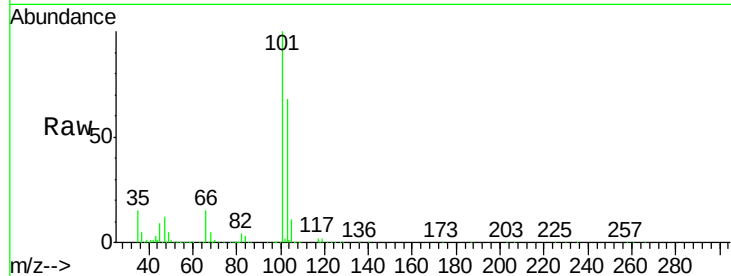
103 68.0 52.5 78.7

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.649 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.01 min

Lab File: VL036787.D

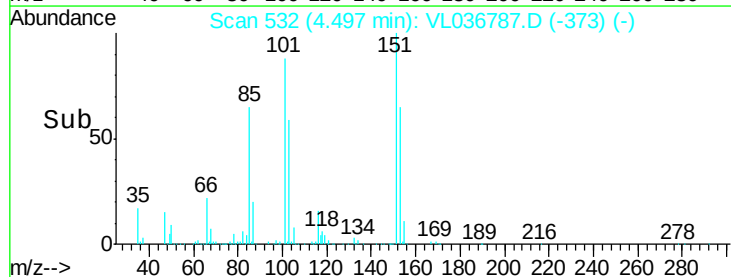
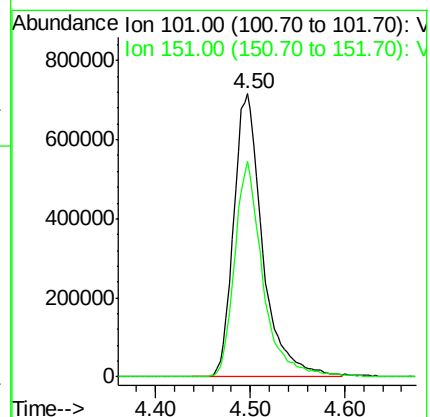
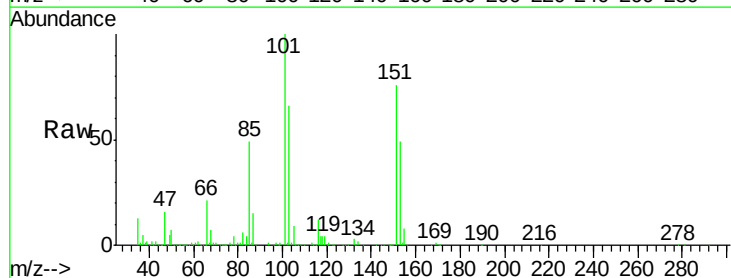
Acq: 12 Apr 2021 12:32

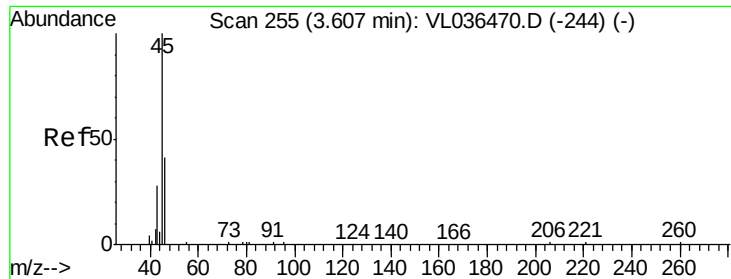
Tgt Ion:101 Resp: 1521500

Ion Ratio Lower Upper

101 100

151 74.6 60.9 91.3





#13

Ethanol

Concen: 12.272 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tot Ion: 45 Resp: 129152

Ion Ratio Lower Upper

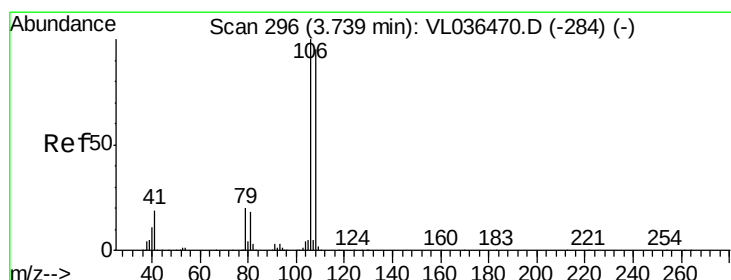
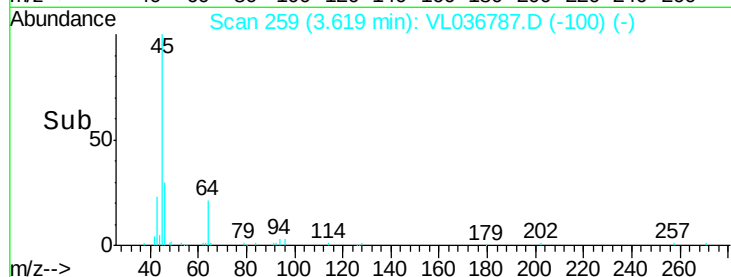
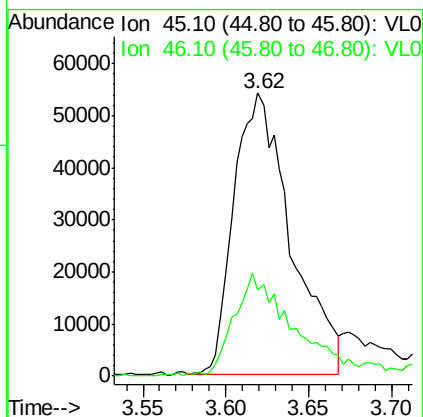
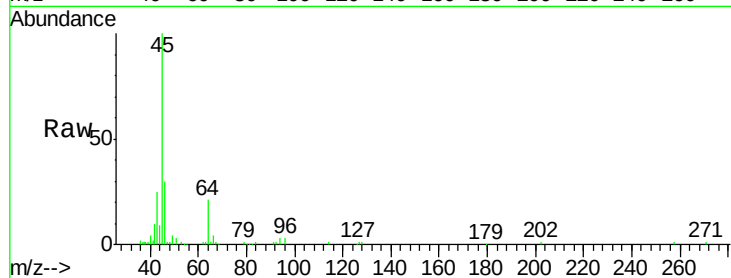
45 100

46 38.1 16.6 66.2

Manual Integrations
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#14

Bromoethene

Concen: 10.146 ppbv

RT: 3.75 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

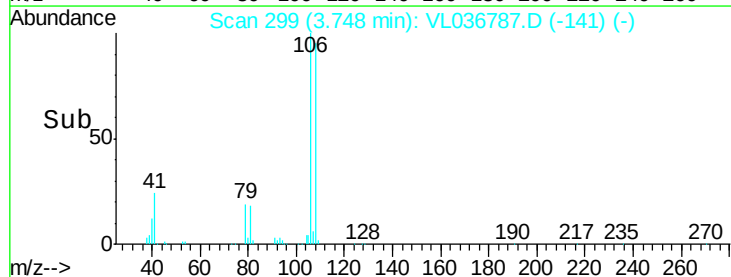
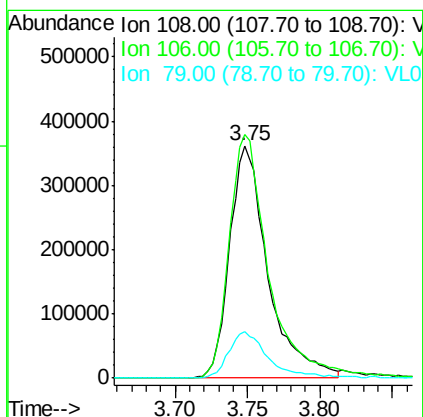
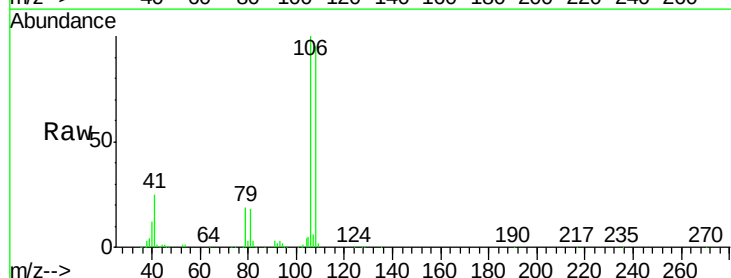
Tgt Ion: 108 Resp: 665109

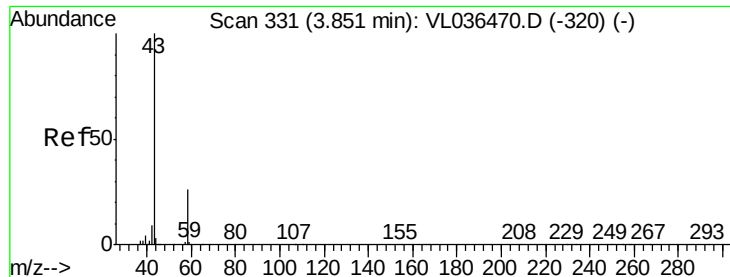
Ion Ratio Lower Upper

108 100

106 109.3 89.0 133.6

79 20.9 16.6 25.0





#15

Acetone

Concen: 8.896 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tot Ion: 43 Resp: 1299107

Ion Ratio Lower Upper

43 100

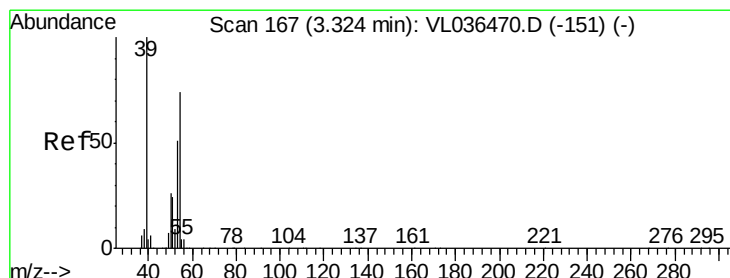
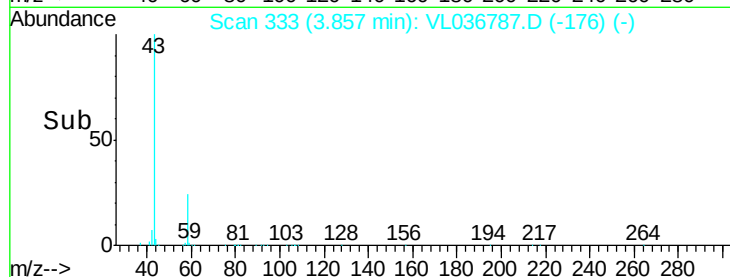
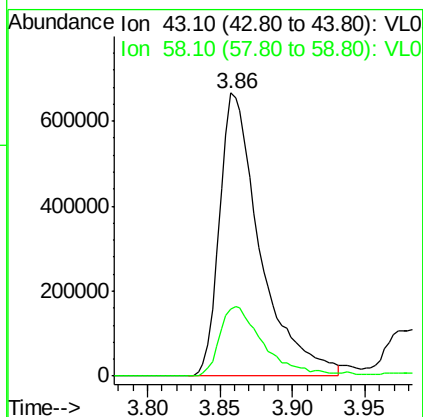
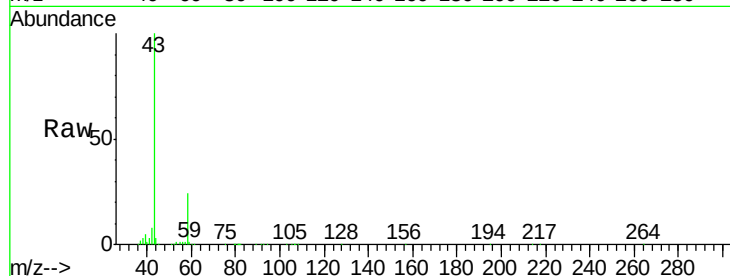
58 27.0 21.2 31.8

Manual Integrations

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#16

1,3-Butadiene

Concen: 9.650 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.01 min

Lab File: VL036787.D

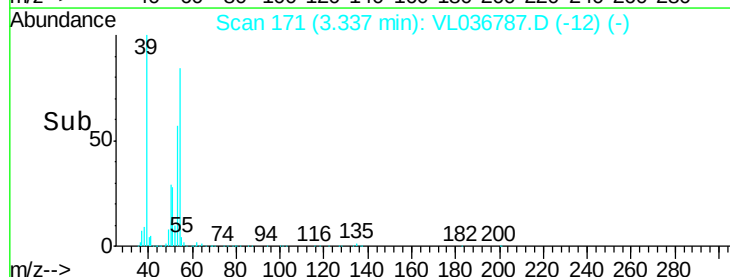
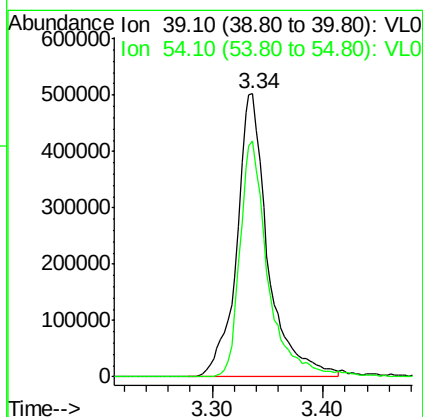
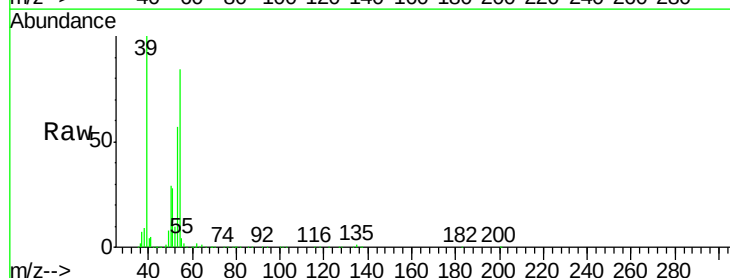
Acq: 12 Apr 2021 12:32

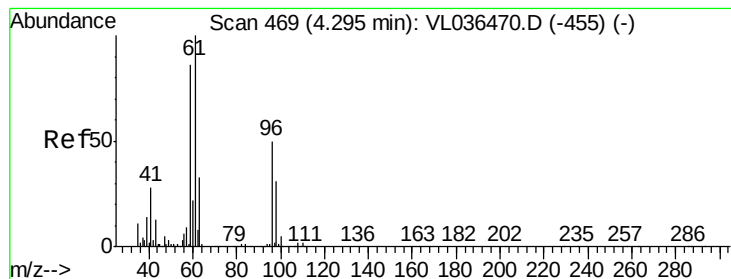
Tgt Ion: 39 Resp: 981124

Ion Ratio Lower Upper

39 100

54 76.0 58.8 88.2





#17

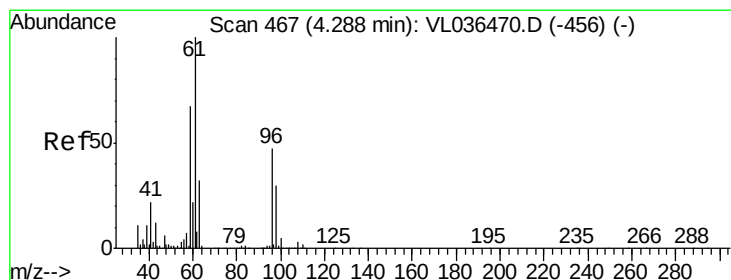
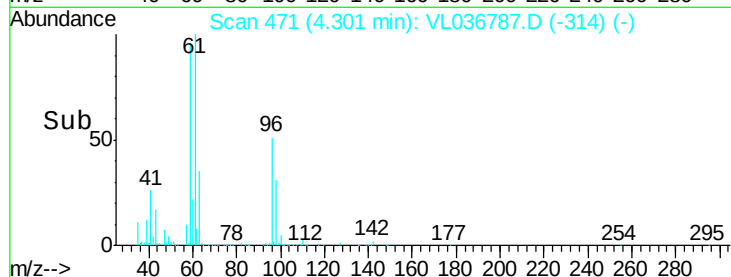
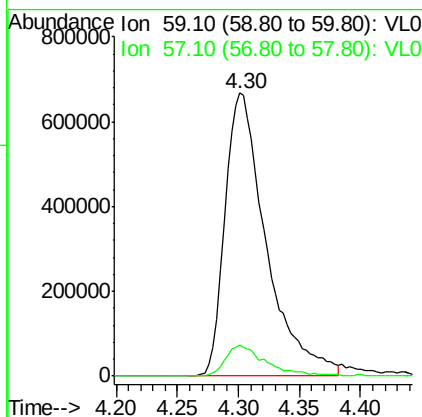
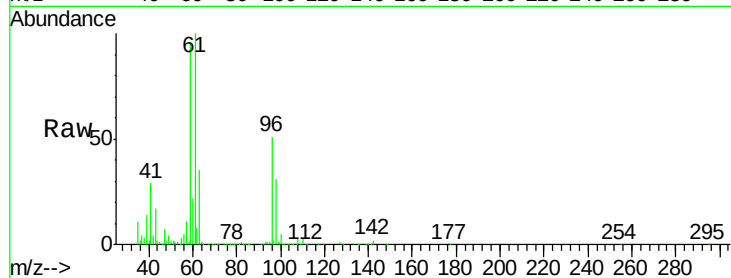
tert-Butyl alcohol
Concen: 12.382 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

Tot Ion: 59 Resp: 1574137
Ion Ratio Lower Upper
59 100
57 11.3 8.6 12.8

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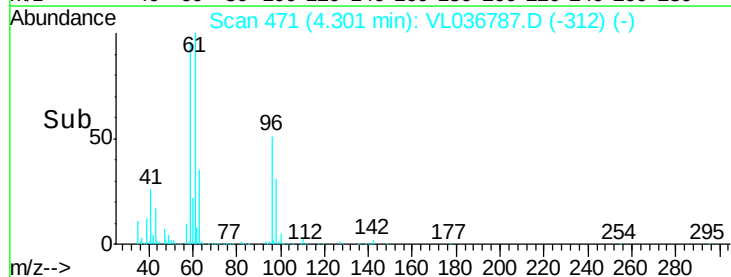
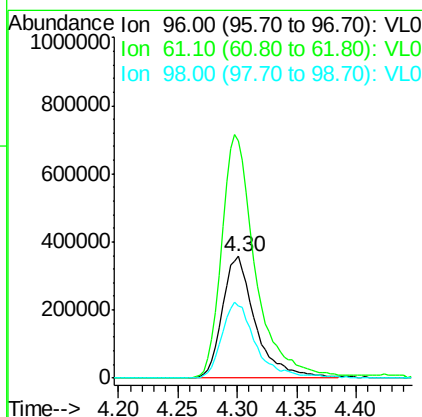
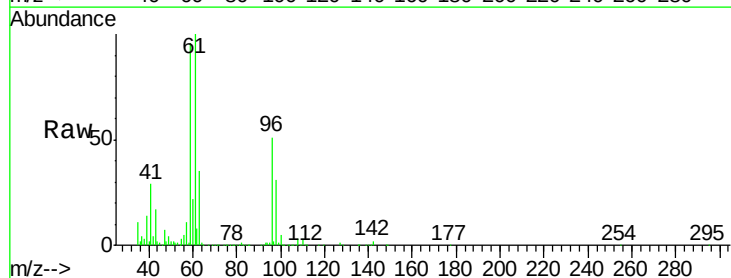
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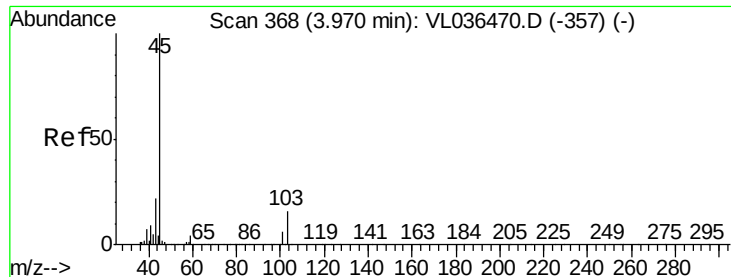


#18

1,1-Dichloroethene
Concen: 9.866 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Tgt Ion: 96 Resp: 692044
Ion Ratio Lower Upper
96 100
61 194.8 168.6 253.0
98 59.6 50.8 76.2





#19

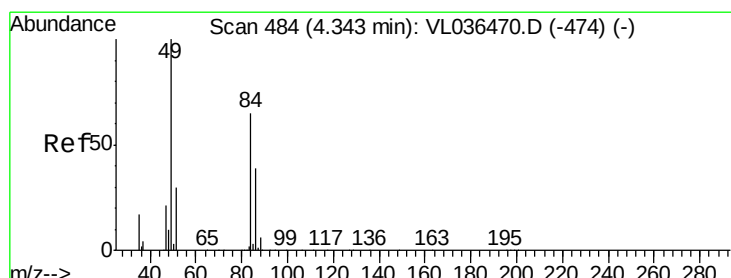
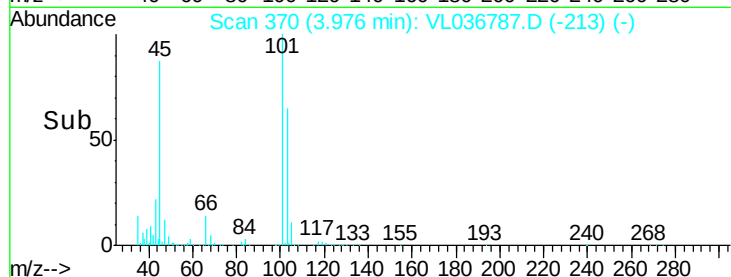
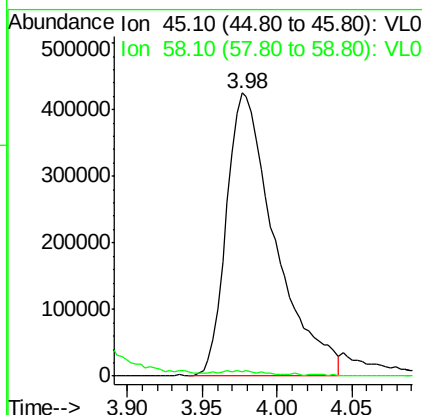
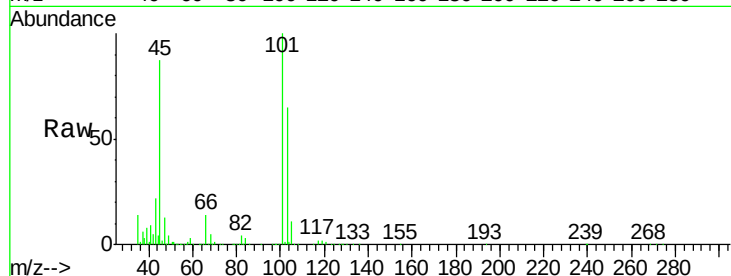
Isopropyl Alcohol
 Concen: 11.911 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VL036787.D
 Acq: 12 Apr 2021 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.4	2.9	4.3#

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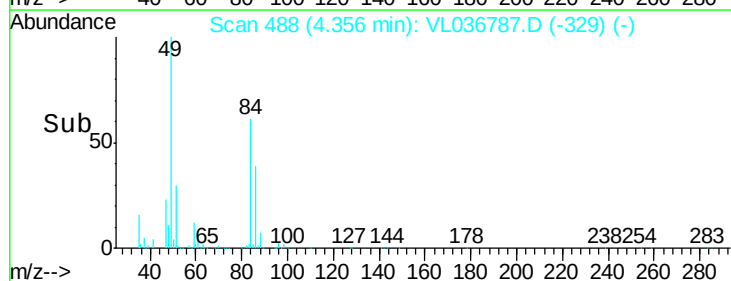
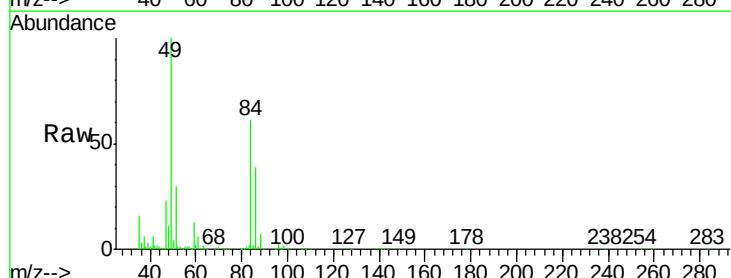
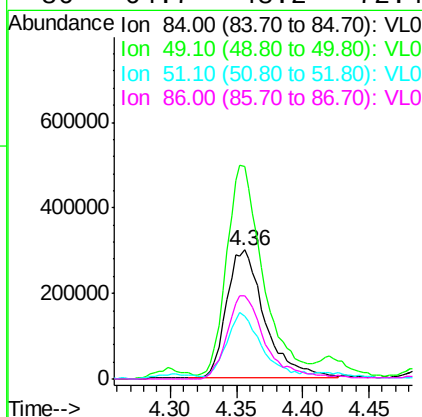
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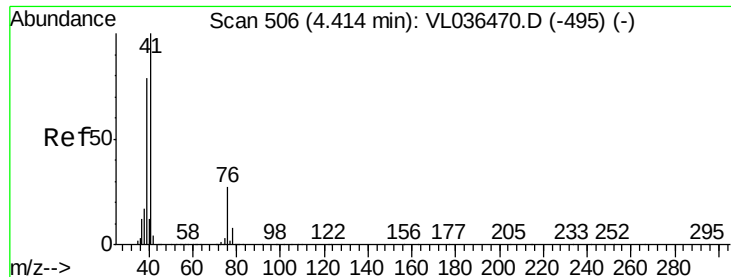


#20

Methylene Chloride
 Concen: 8.858 ppbv
 RT: 4.36 min Scan# 488
 Delta R.T. 0.01 min
 Lab File: VL036787.D
 Acq: 12 Apr 2021 12:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	160.1	122.9	184.3
51	46.4	36.9	55.3
86	64.7	48.2	72.4





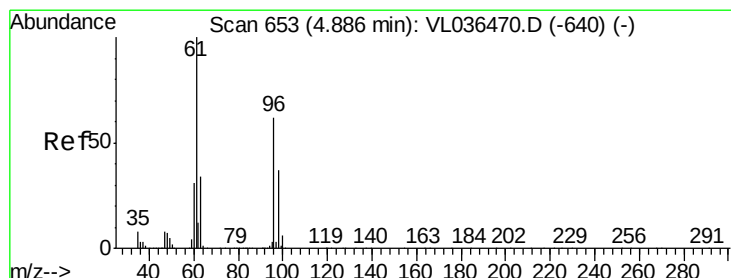
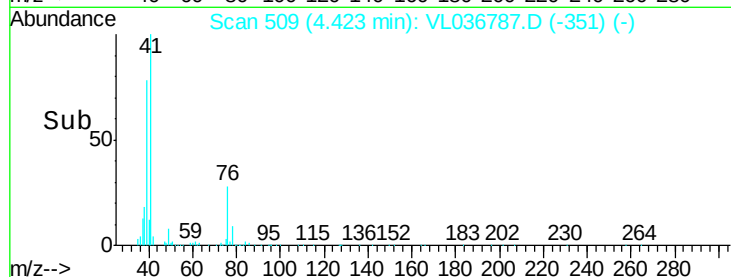
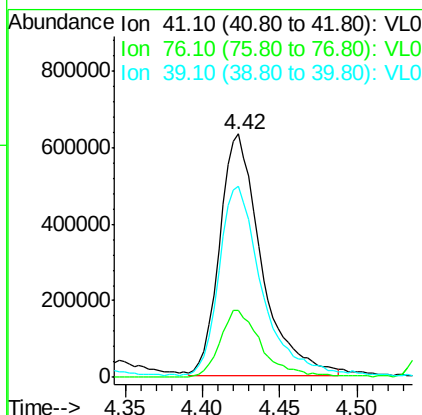
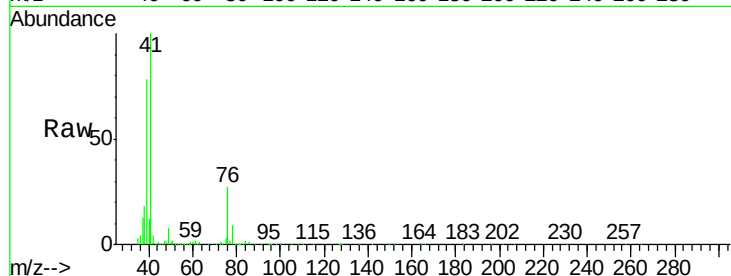
#21
Allvl Chloride
Concen: 10.215 ppbv
RT: 4.42 min Scan# 509
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.1	22.9	34.3
39	82.0	67.3	100.9

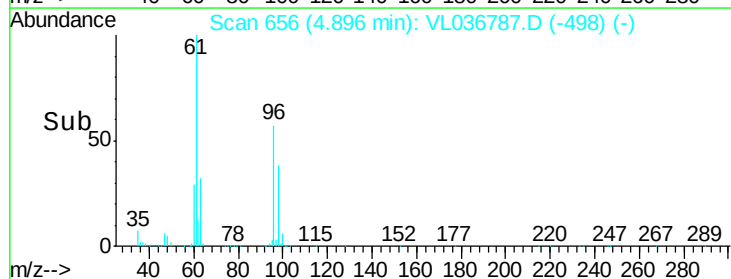
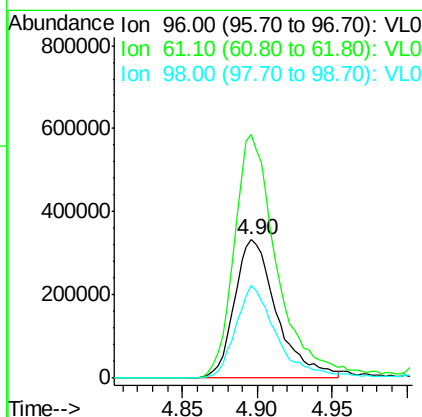
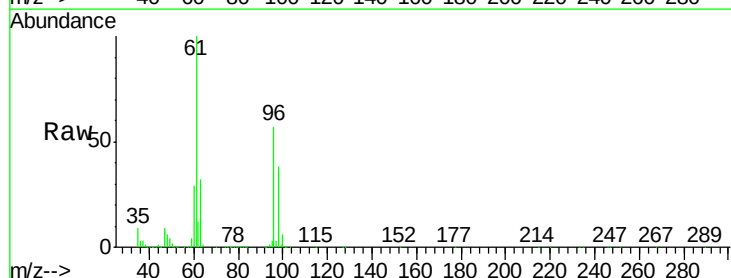
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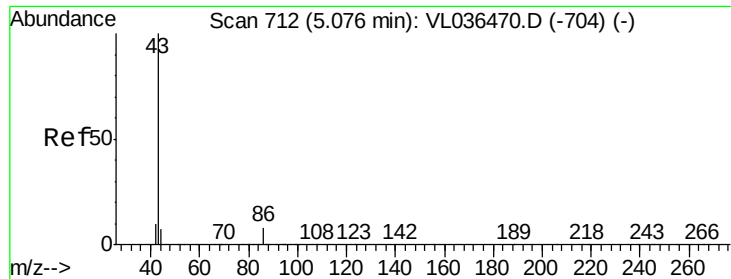
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#22
trans-1,2-Dichloroethene
Concen: 10.099 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.1	129.4	194.0
98	67.2	48.2	72.4





#23

Vinyl Acetate

Concen: 10.168 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tot Ion: 43 Resp: 2540166

Ion Ratio Lower Upper

43 100

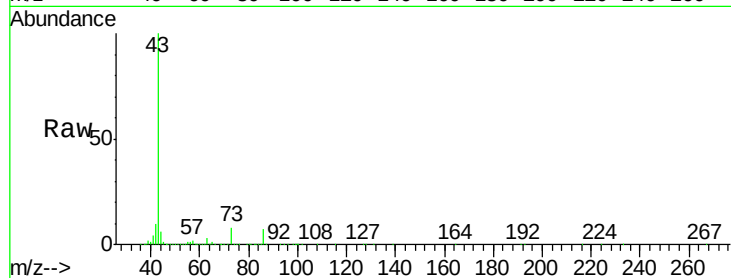
86 7.2 5.4 8.0

42 10.0 8.5 12.7

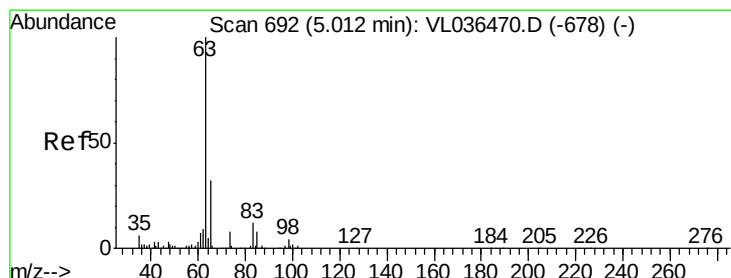
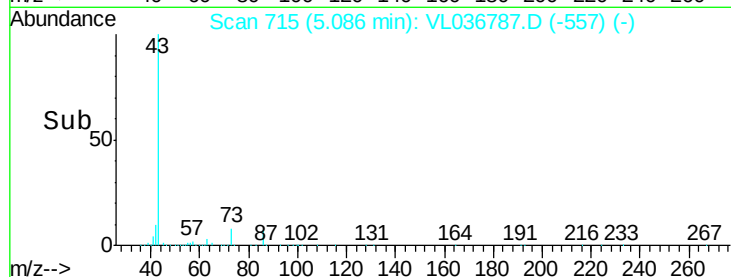
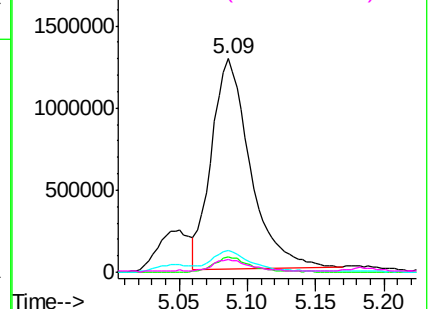
44 5.2 4.6 7.0

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



#24

1,1-Dichloroethane

Concen: 9.910 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

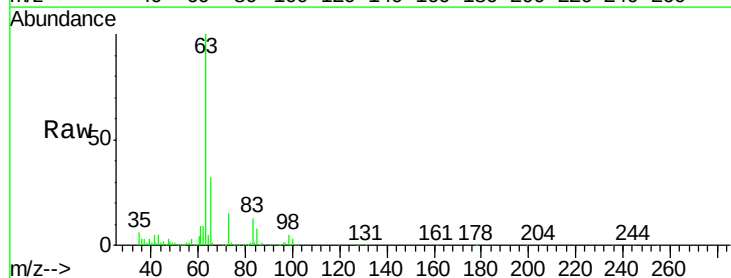
Tgt Ion: 63 Resp: 1804499

Ion Ratio Lower Upper

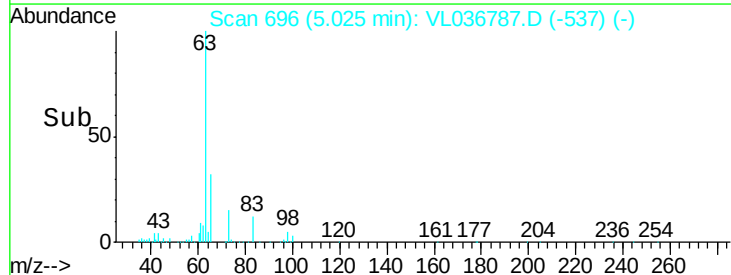
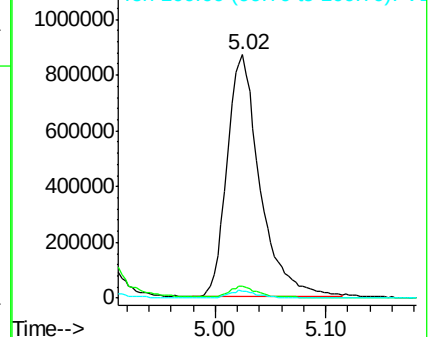
63 100

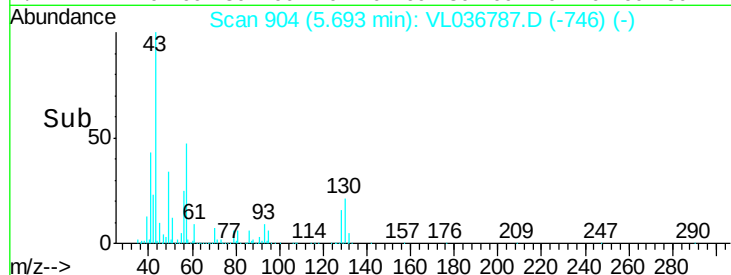
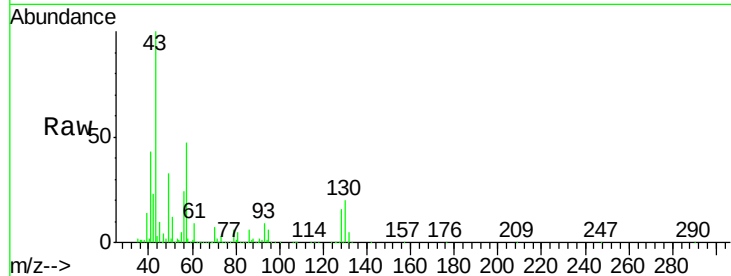
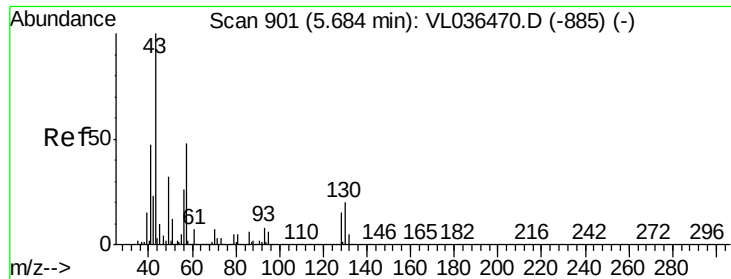
98 4.5 2.1 6.2

100 2.5 0.9 2.8



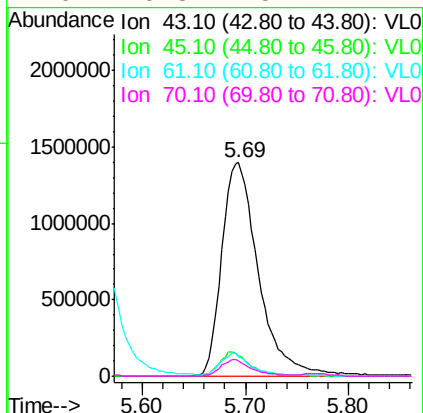
Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.911 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

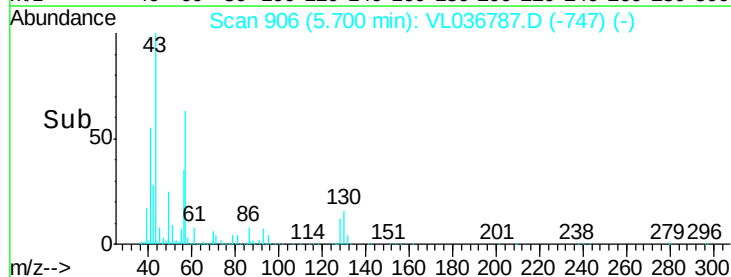
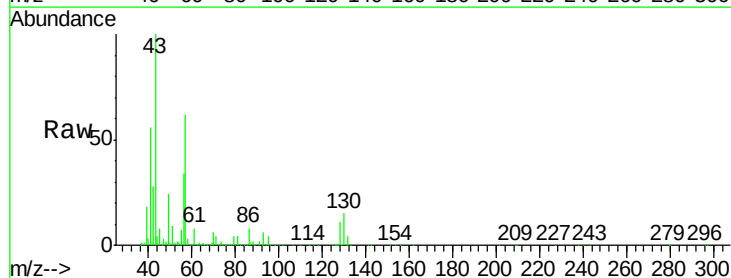
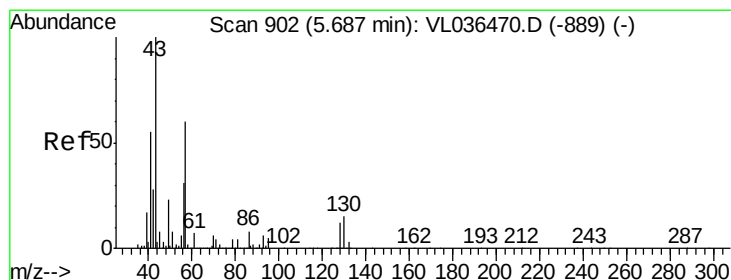
Tot Ion	43	Resp	3441134
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.6	7.4	11.2
70	6.8	5.1	7.7



Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

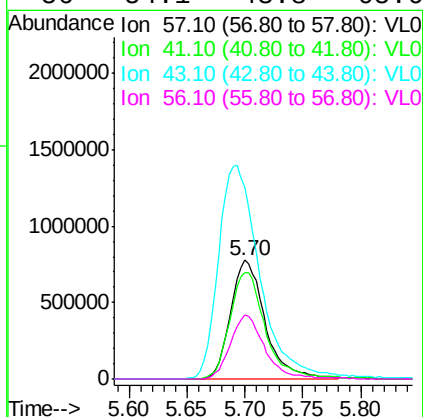
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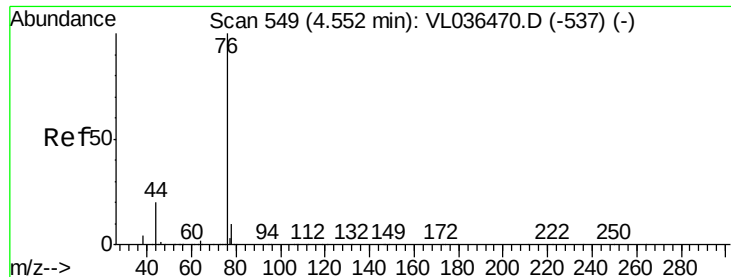
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#26
Hexane
Concen: 9.947 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Tgt Ion	57	Resp	1602645
Ion	Ratio	Lower	Upper
57	100		
41	93.1	77.2	115.8
43	218.0	173.8	260.6
56	54.1	43.8	65.6





#27

Carbon Disulfide

Concen: 10.798 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tot Ion: 76 Resp: 1713841

Ion Ratio Lower Upper

76 100

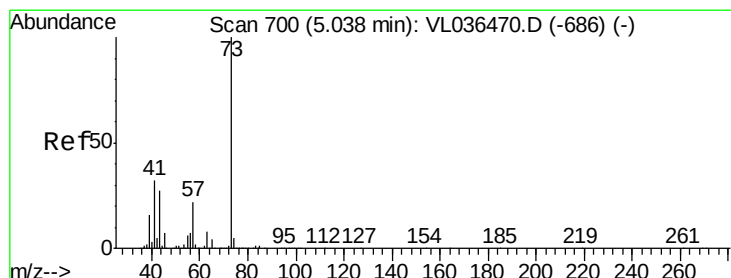
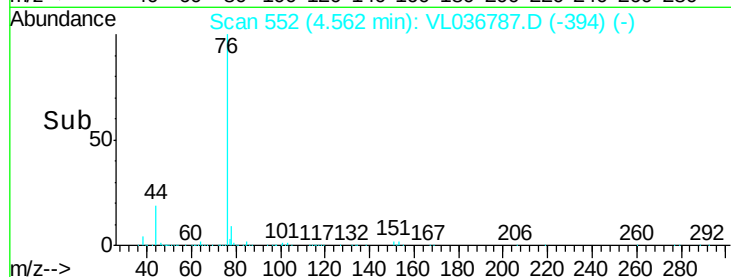
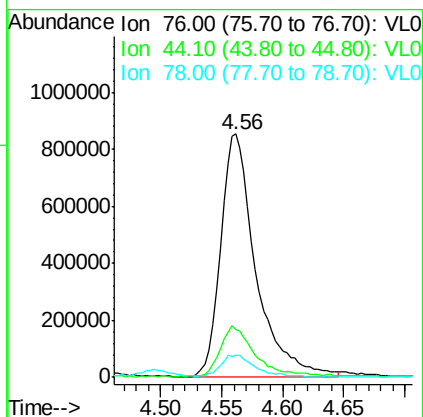
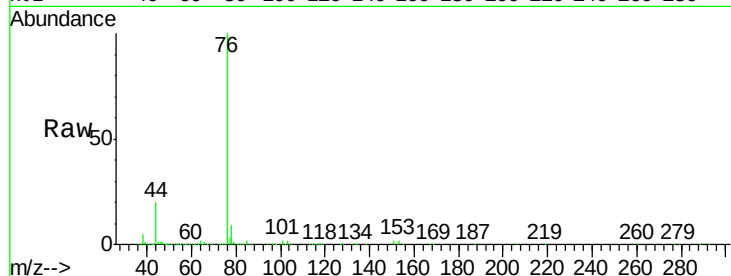
44 20.9 17.5 26.3

78 9.6 8.6 13.0

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#28

Methyl tert-Butyl Ether

Concen: 10.484 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.01 min

Lab File: VL036787.D

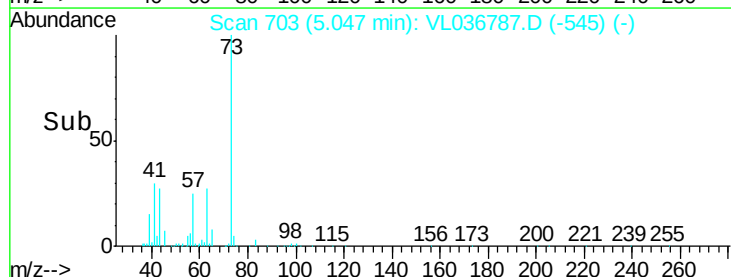
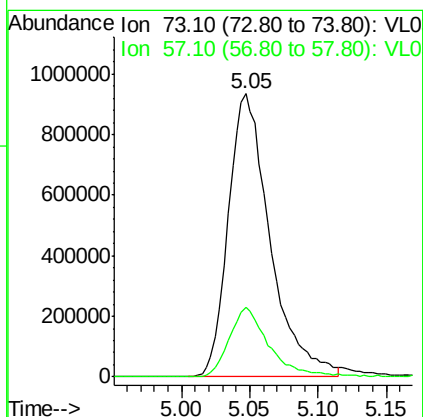
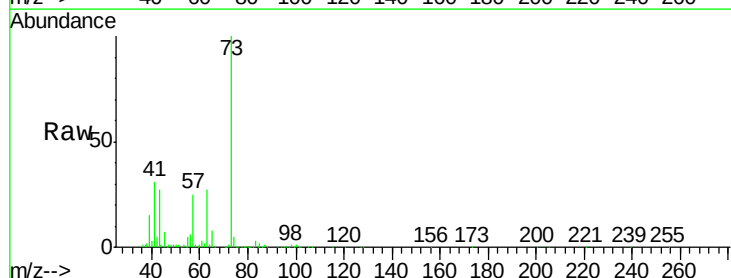
Acq: 12 Apr 2021 12:32

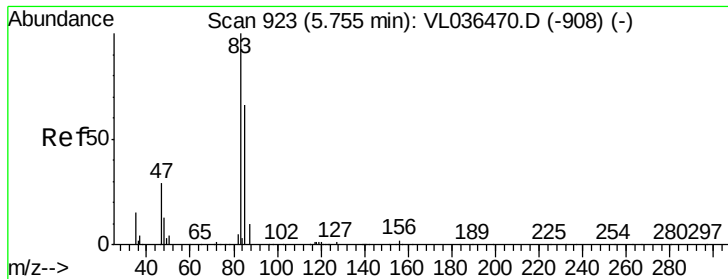
Tgt Ion: 73 Resp: 1992020

Ion Ratio Lower Upper

73 100

57 23.6 18.5 27.7





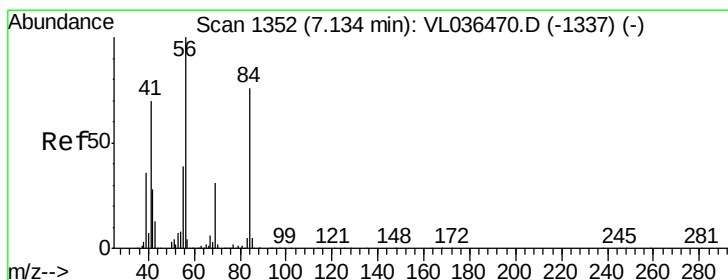
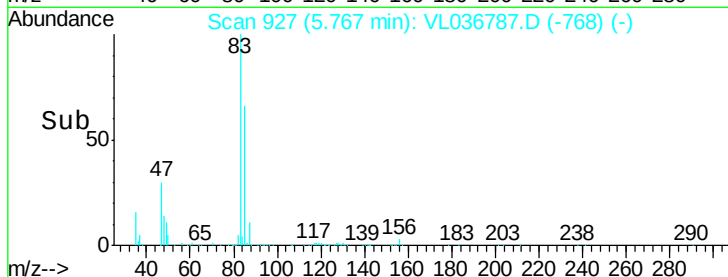
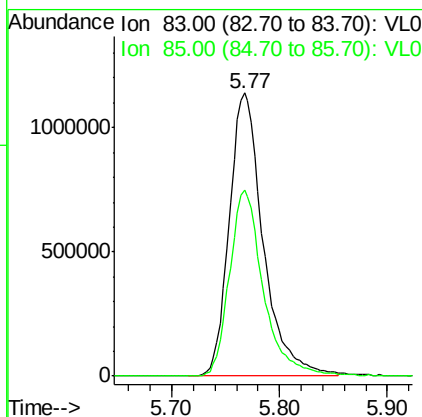
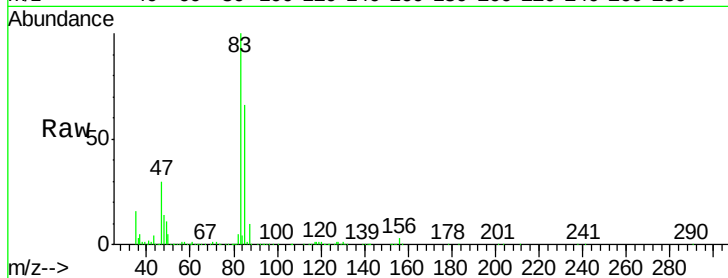
#29
Chloroform
Concen: 9.722 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

Tot Ion: 83 Resp: 2505116
Ion Ratio Lower Upper
83 100
85 65.3 52.6 78.8

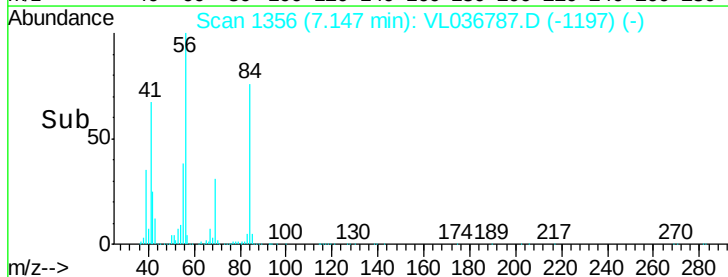
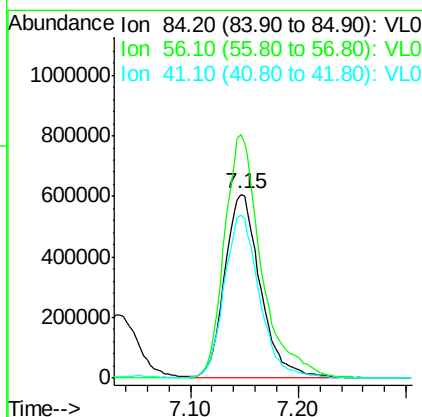
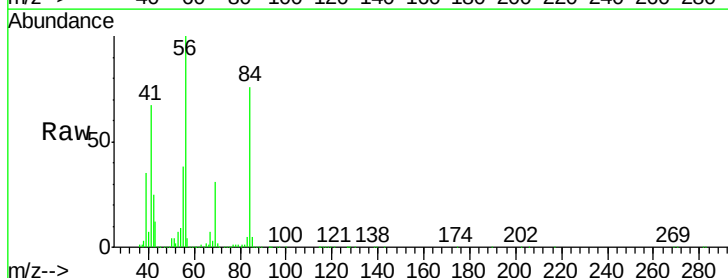
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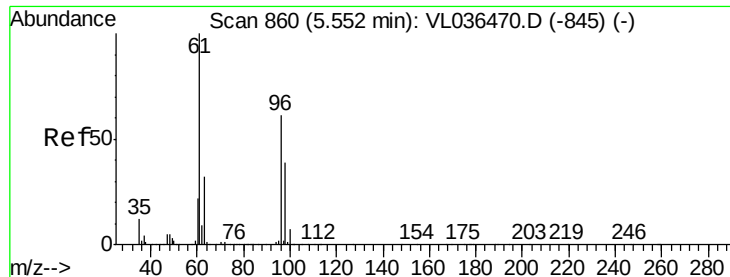
apatel
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#30
Cyclohexane
Concen: 10.580 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Tgt Ion: 84 Resp: 1382564
Ion Ratio Lower Upper
84 100
56 139.3 114.6 171.8
41 89.6 75.3 112.9





#31

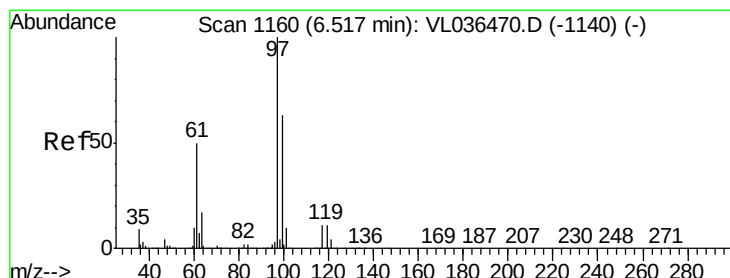
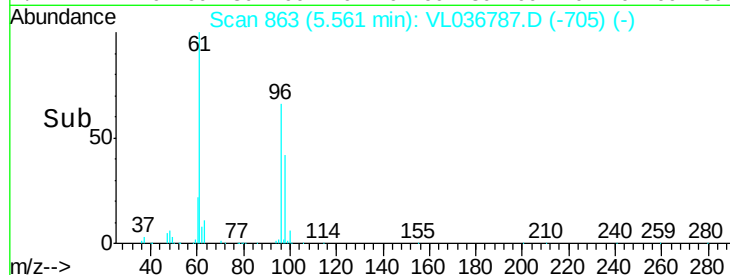
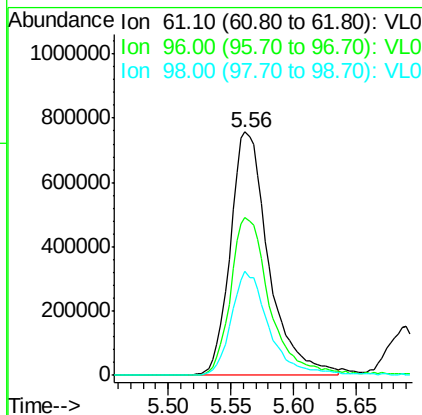
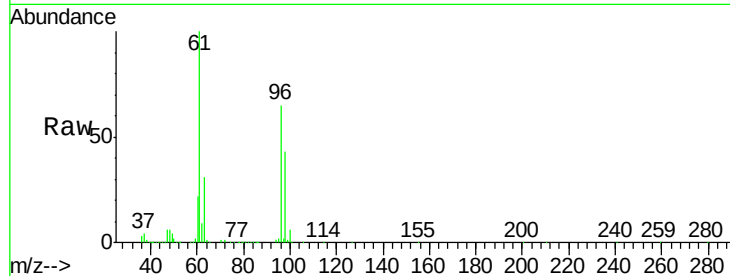
cis-1,2-Dichloroethene
Concen: 10.286 ppbv
RT: 5.56 min Scan# 863
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.7	48.7	73.1
98	42.6	31.4	47.0

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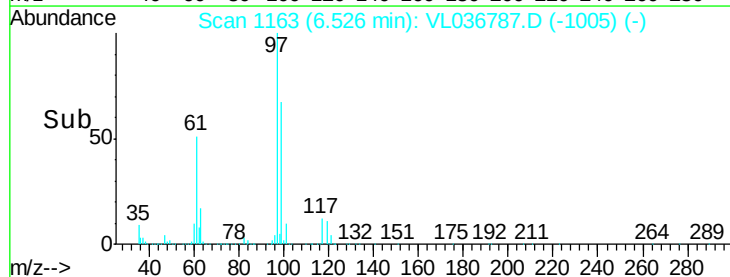
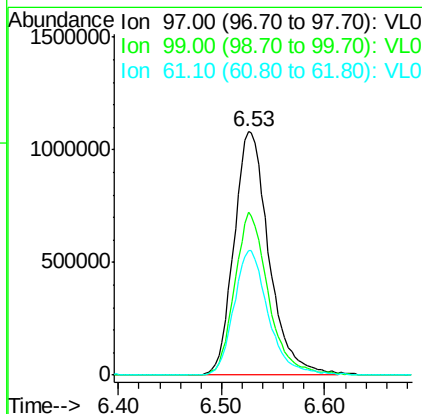
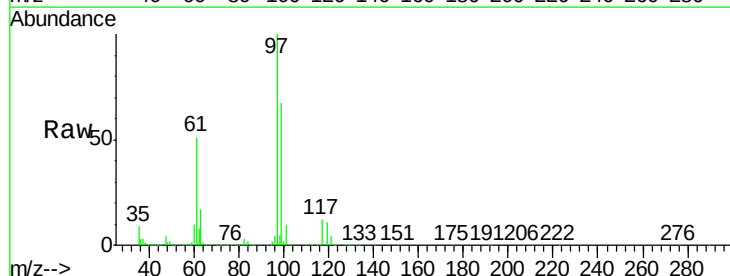
apatel
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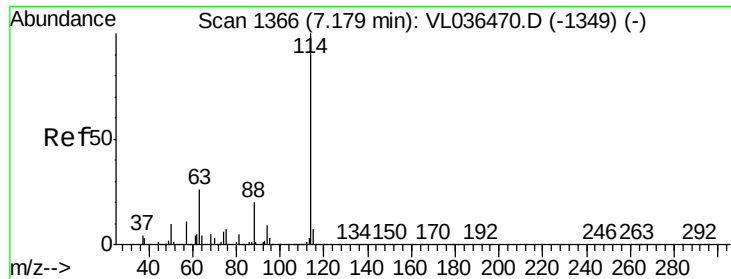


#32

1,1,1-Trichloroethane
Concen: 9.828 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	50.5	40.6	60.8





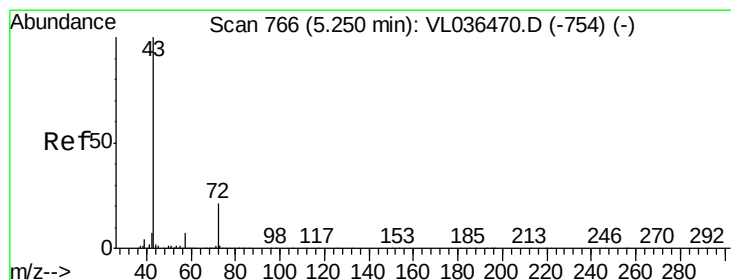
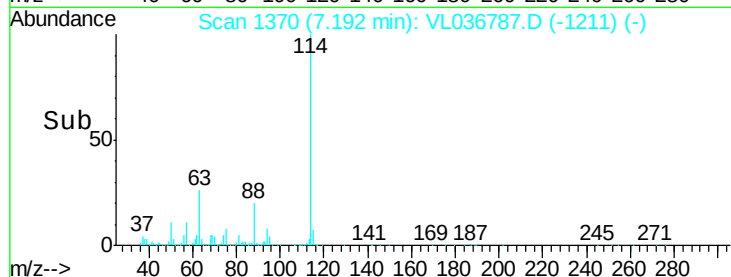
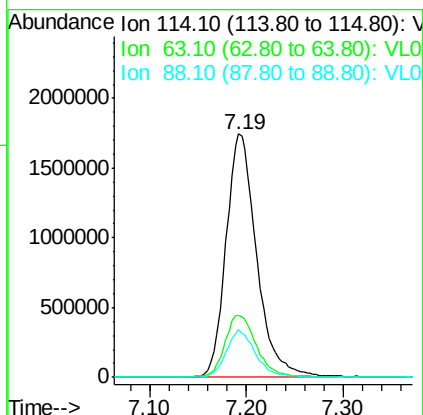
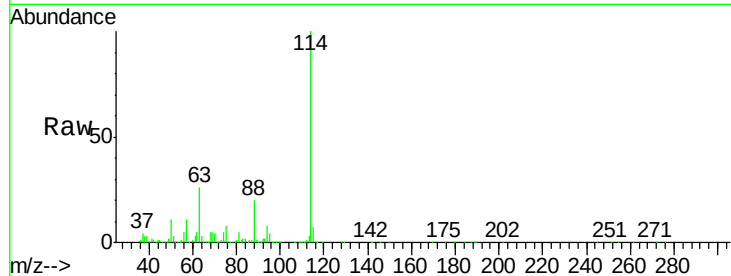
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL036787.D
 Acq: 12 Apr 2021 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.9	22.4	33.6
88	18.8	15.4	23.0

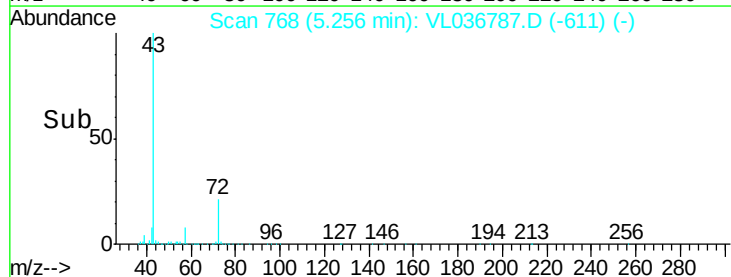
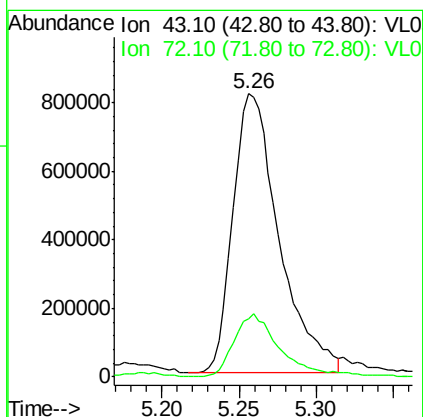
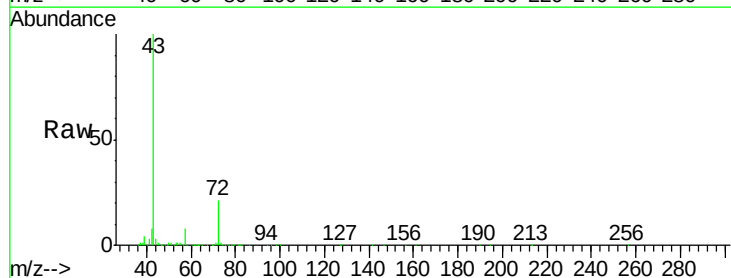
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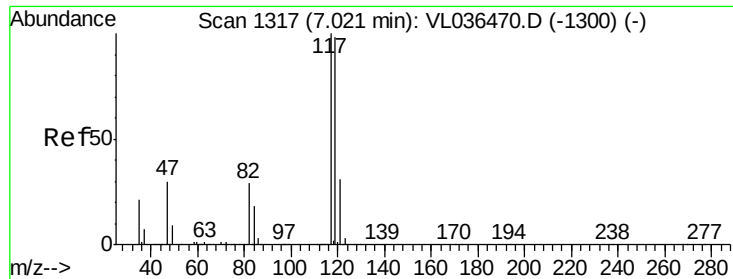
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#34
 2-Butanone
 Concen: 9.015 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL036787.D
 Acq: 12 Apr 2021 12:32

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	17.0	25.6





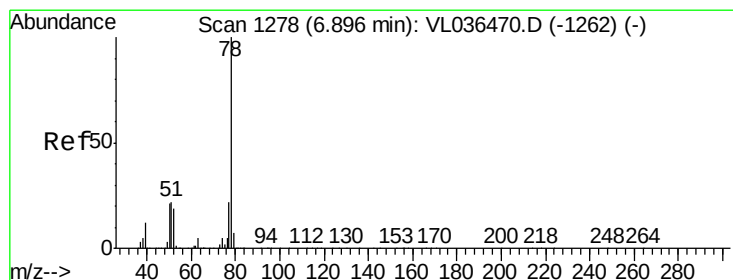
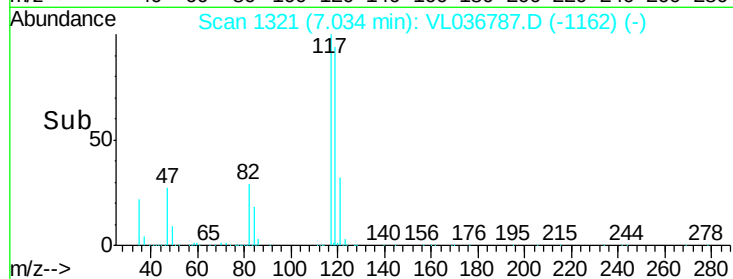
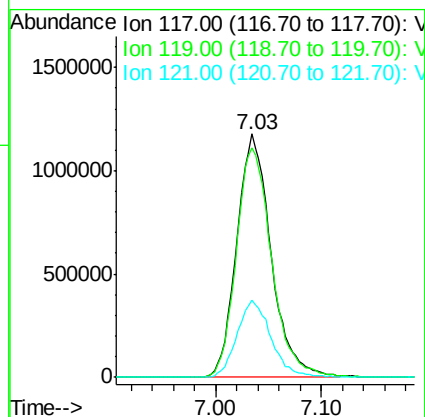
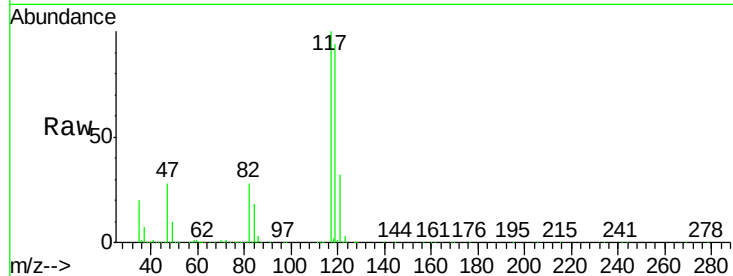
#35
Carbon Tetrachloride
Concen: 9.036 ppbv
RT: 7.03 min Scan# 1321
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

Tot Ion:117 Resp: 2666844
Ion Ratio Lower Upper
117 100
119 94.4 78.2 117.2
121 31.8 24.5 36.7

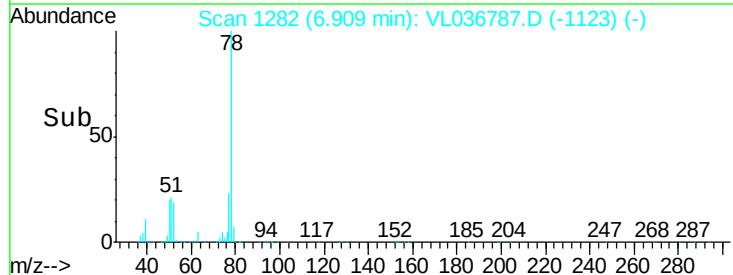
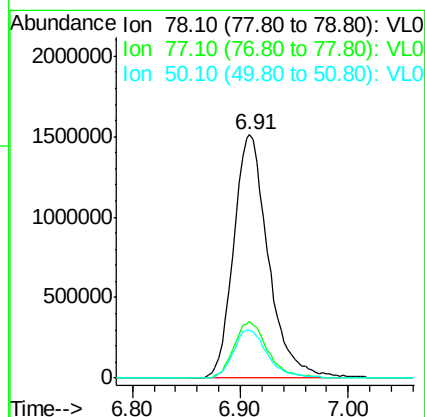
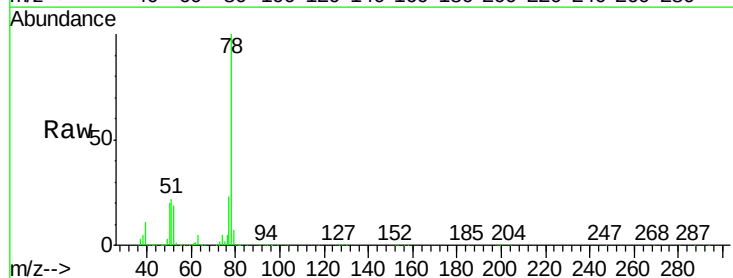
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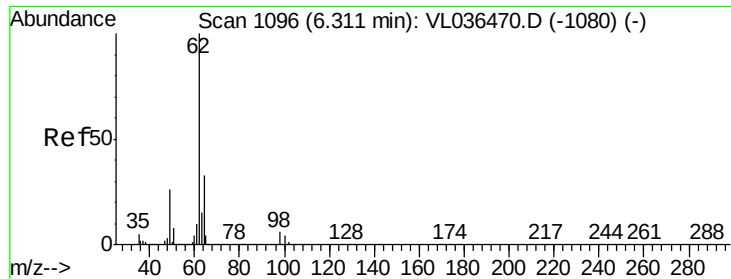
apatel
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#36
Benzene
Concen: 9.543 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Tgt Ion: 78 Resp: 3382065
Ion Ratio Lower Upper
78 100
77 23.1 18.0 27.0
50 19.8 16.5 24.7





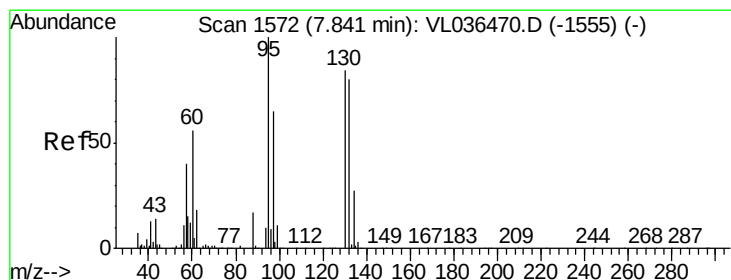
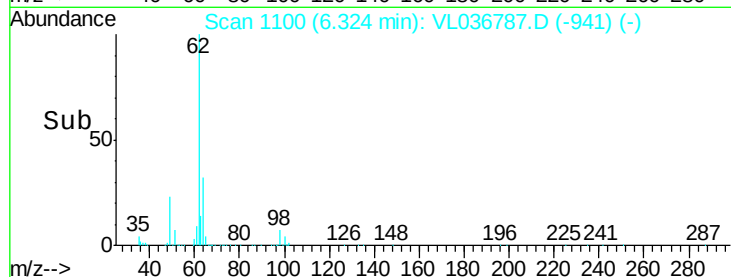
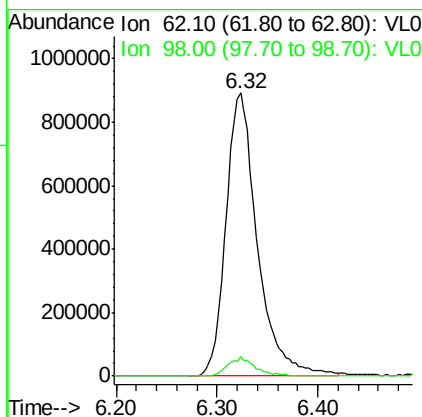
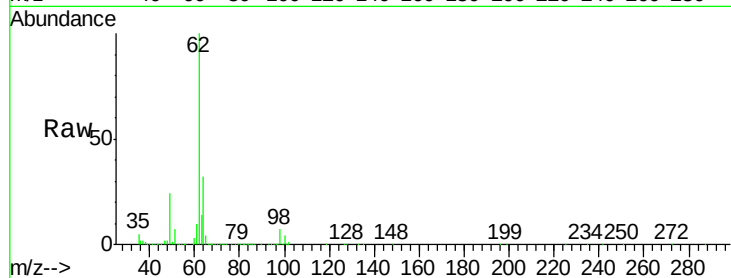
#37
 1,2-Dichloroethane
 Concen: 9.277 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. 0.01 min
 Lab File: VL036787.D
 Acq: 12 Apr 2021 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.9	7.3

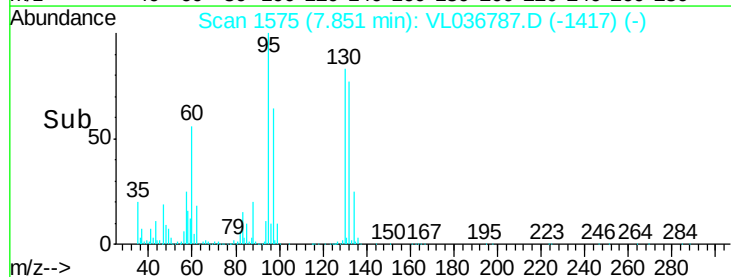
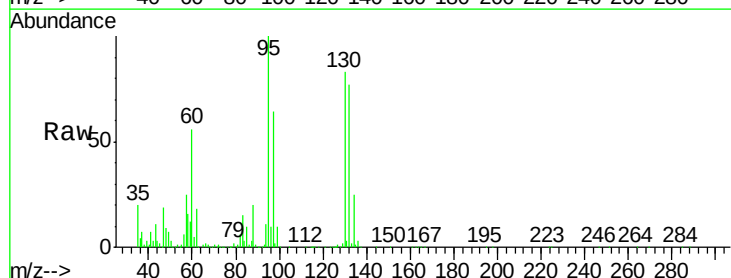
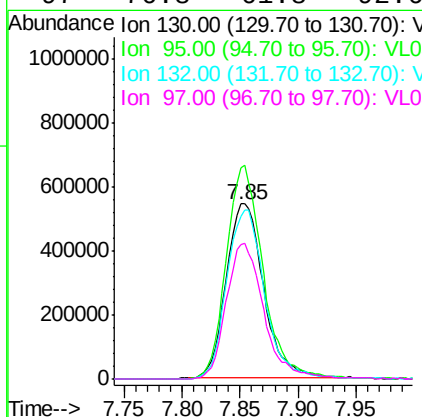
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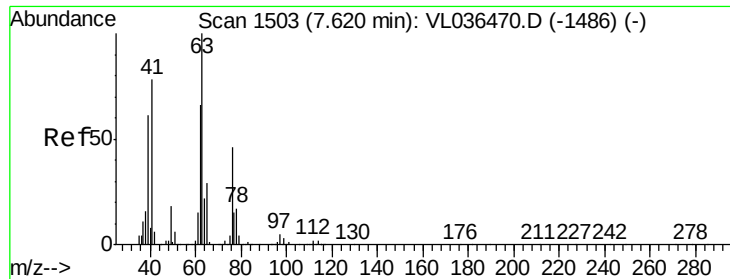
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#38
 Trichloroethene
 Concen: 8.797 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL036787.D
 Acq: 12 Apr 2021 12:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	121.0	95.7	143.5
132	93.2	76.2	114.4
97	76.8	61.8	92.6





#39

1,2-Dichloropropane

Concen: 9.089 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. 0.01 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tot Ion: 63 Resp: 1306665

Ion Ratio Lower Upper

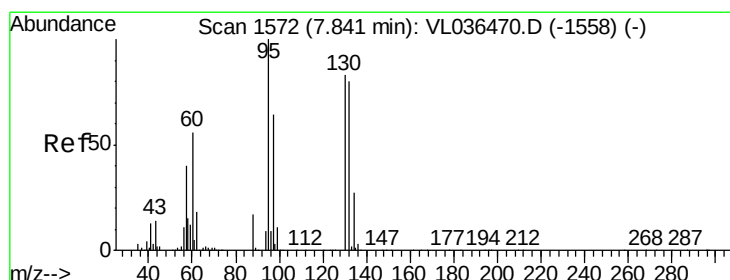
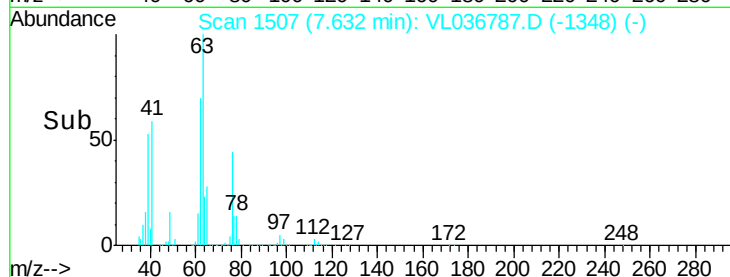
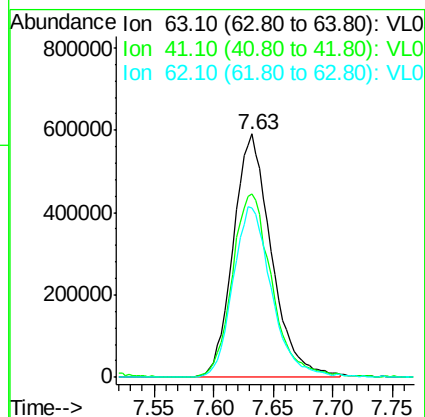
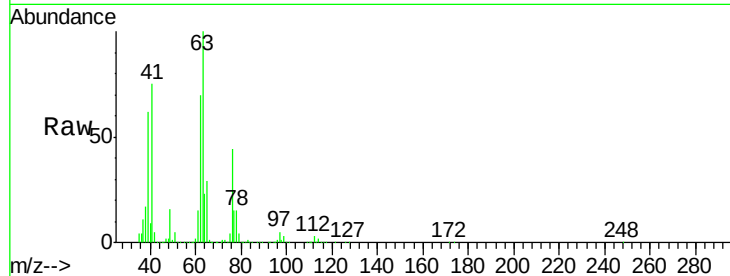
63 100

41 75.3 62.4 93.6

62 69.6 52.8 79.2

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#40

1,4-Dioxane

Concen: 10.260 ppbv m

RT: 7.85 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Tgt Ion: 88 Resp: 343270

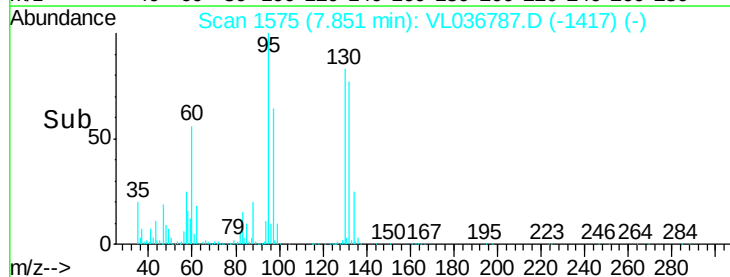
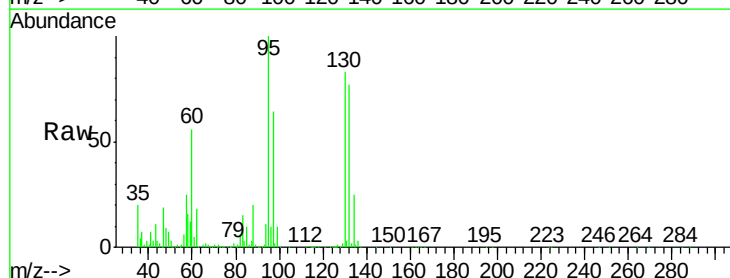
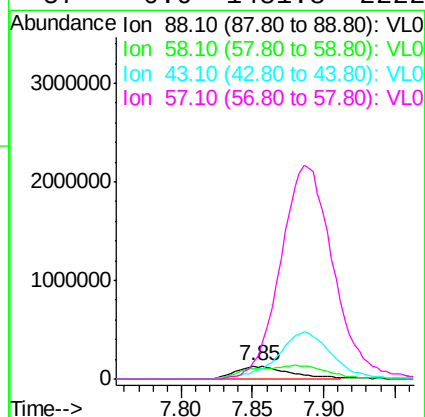
Ion Ratio Lower Upper

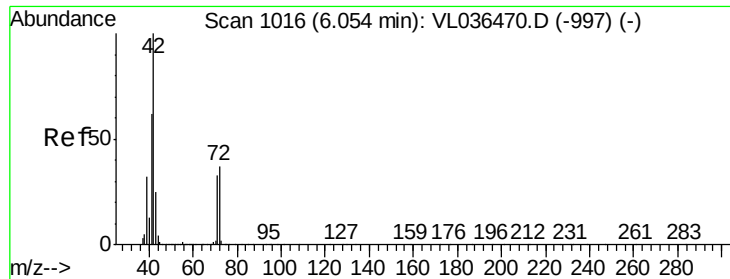
88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#





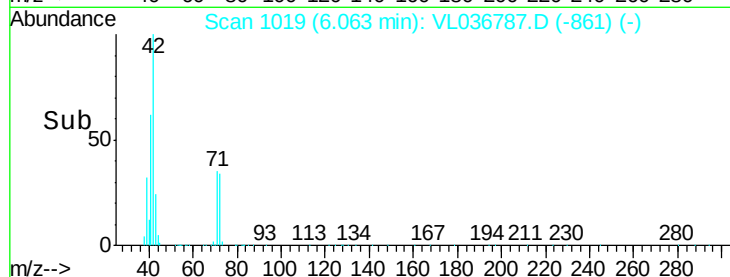
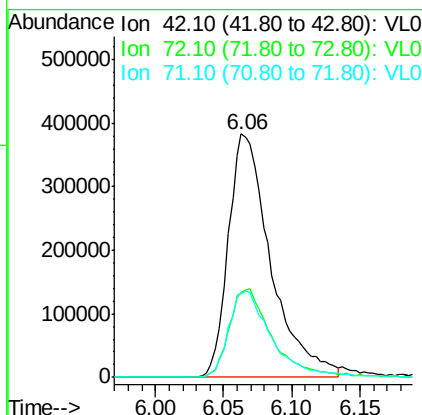
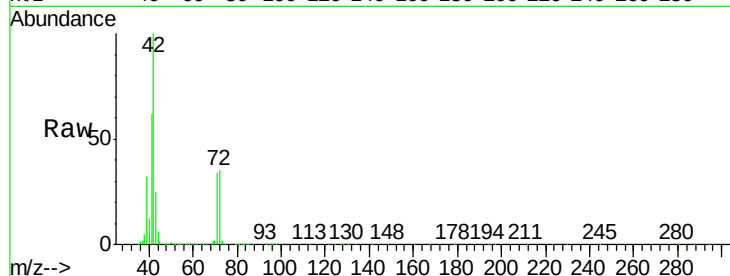
#41
Tetrahydrofuran
Concen: 9.561 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	27.6	41.4
71	36.7	27.0	40.4

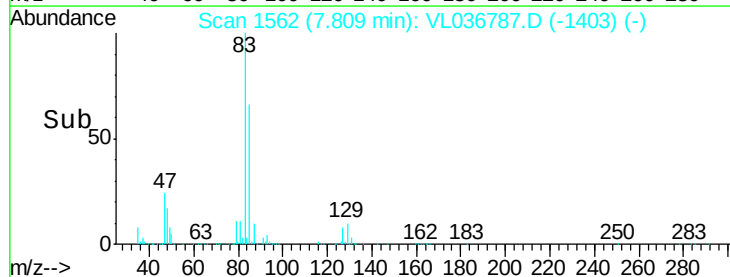
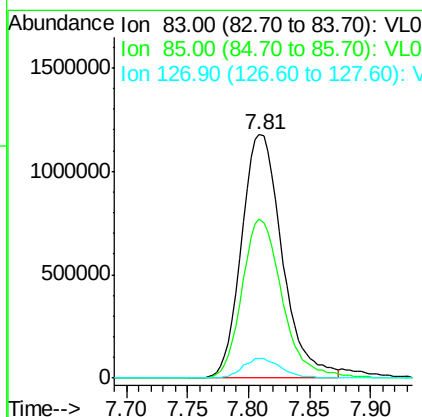
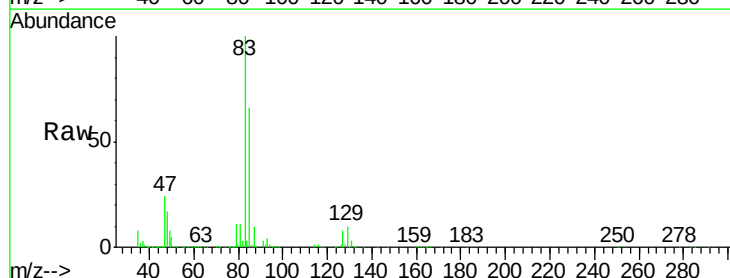
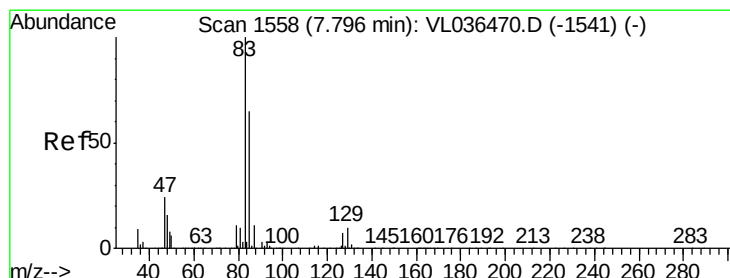
Manual Integrations
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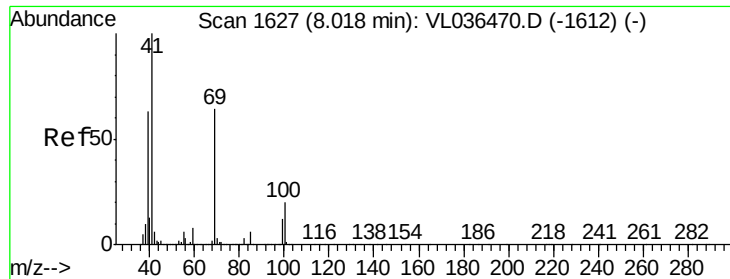
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#42
Bromodichloromethane
Concen: 9.562 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.6
127	7.9	5.8	8.8





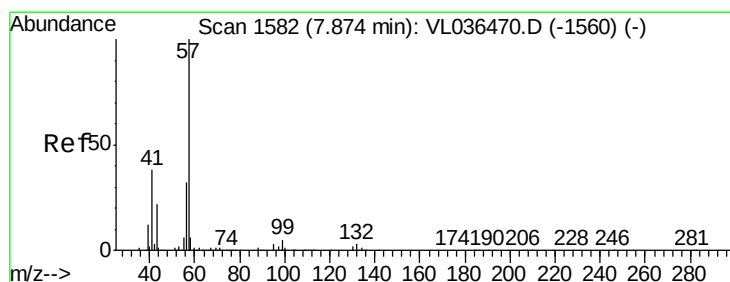
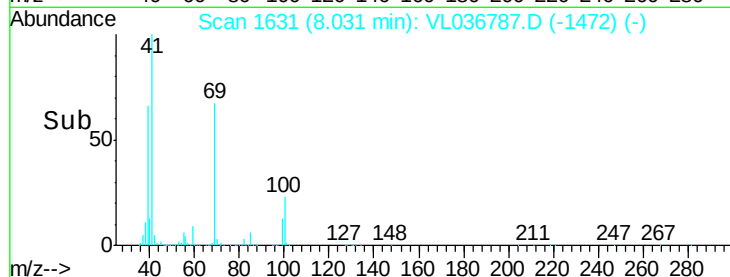
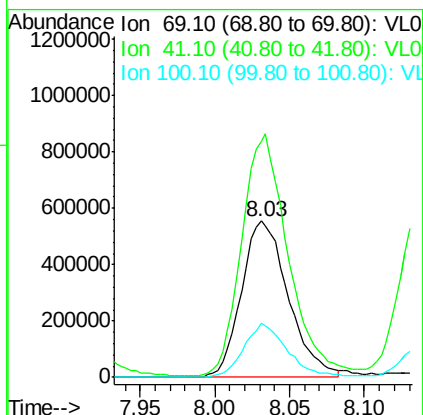
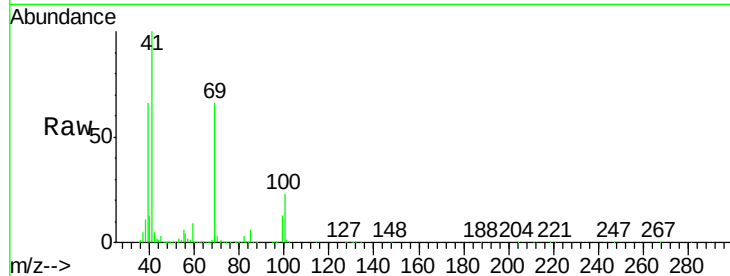
#43
Methyl Methacrylate
Concen: 10.125 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	155.3	126.8	190.2
100	32.6	24.9	37.3

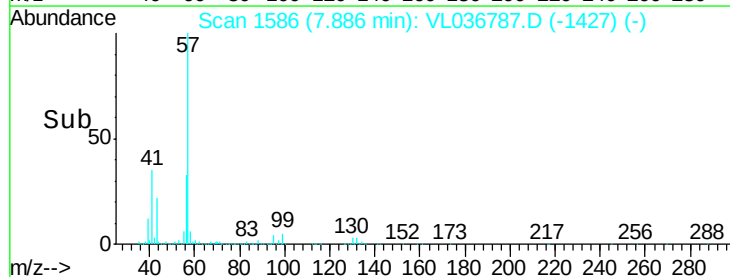
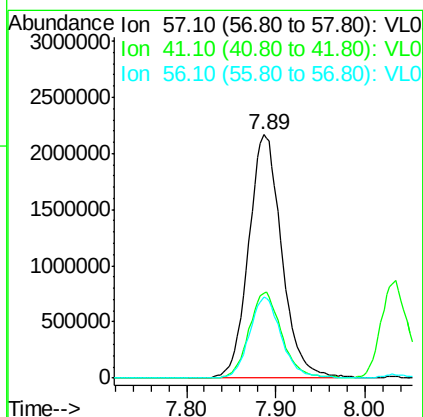
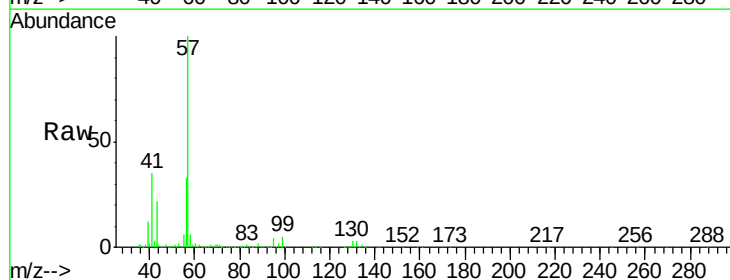
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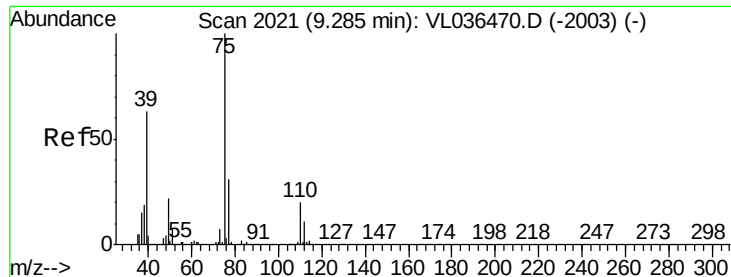
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#44
2,2,4-Trimethylpentane
Concen: 8.984 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.7	28.8	43.2
56	32.1	26.1	39.1





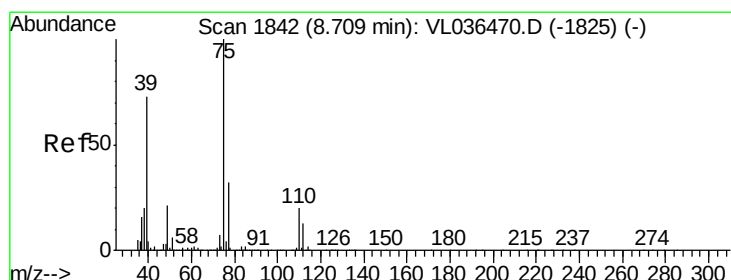
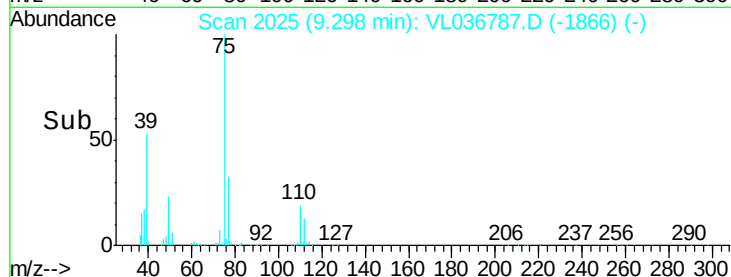
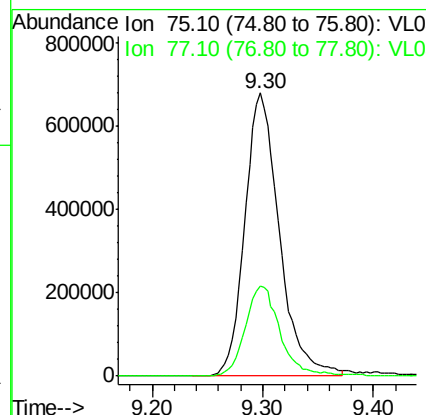
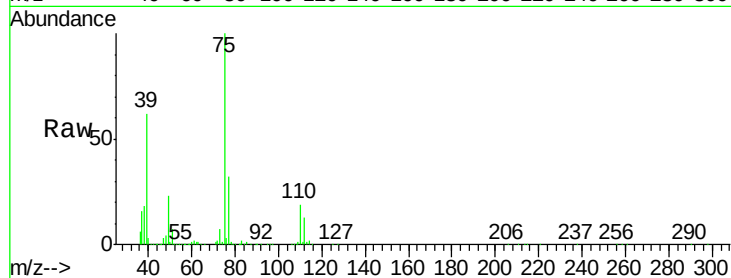
#45
t-1,3-Dichloropropene
Concen: 10.812 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

Tot Ion: 75 Resp: 1469225
Ion Ratio Lower Upper
75 100
77 31.9 25.1 37.7

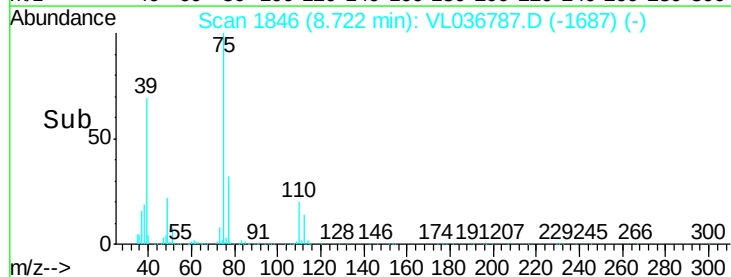
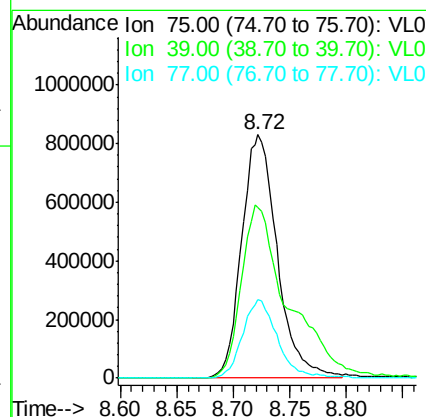
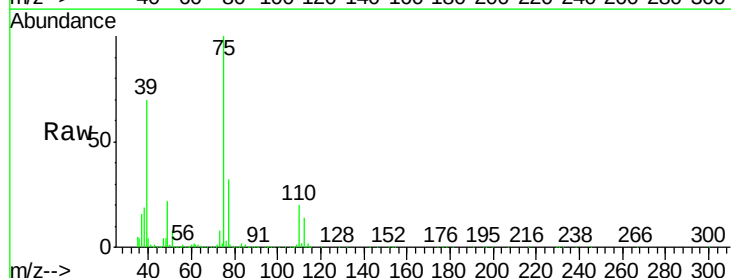
Manual Integrations
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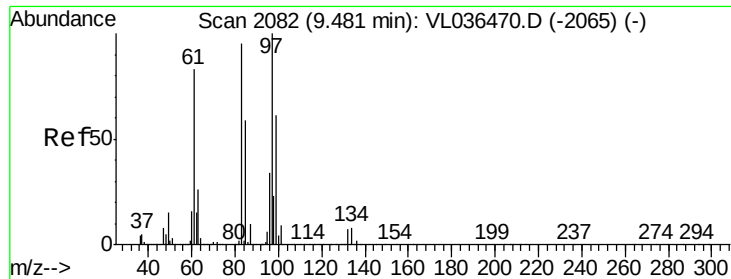
apatel
4/13/2021 10:42:56 AM



#46
cis-1,3-Dichloropropene
Concen: 10.479 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Tgt Ion: 75 Resp: 1820166
Ion Ratio Lower Upper
75 100
39 69.9 58.2 87.2
77 32.1 25.2 37.8





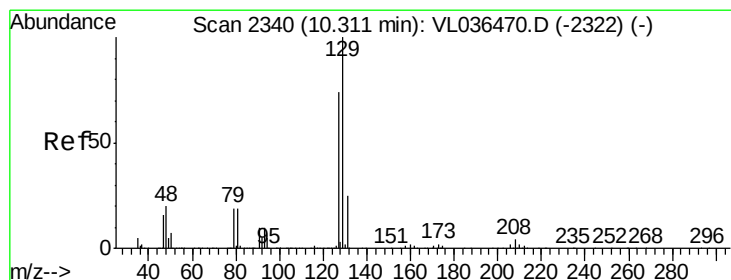
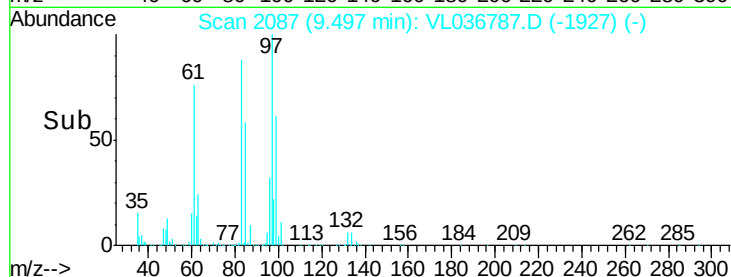
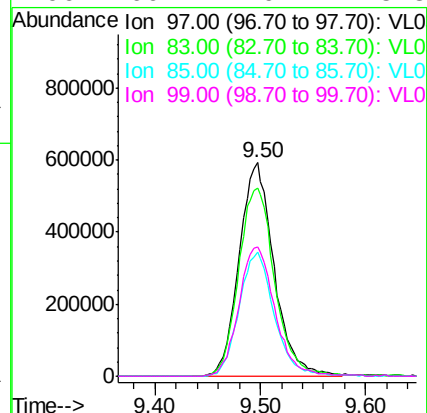
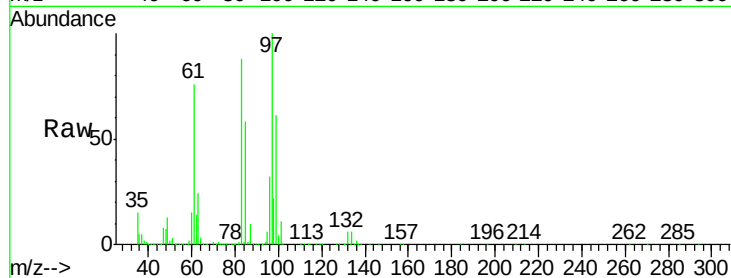
#47
 1,1,2-Trichloroethane
 Concen: 9.338 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. 0.02 min
 Lab File: VL036787.D
 Acq: 12 Apr 2021 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.1	75.8	113.8	
85	58.1	47.1	70.7	
99	60.7	49.2	73.8	

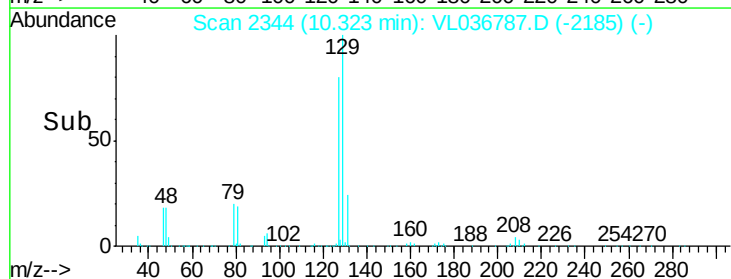
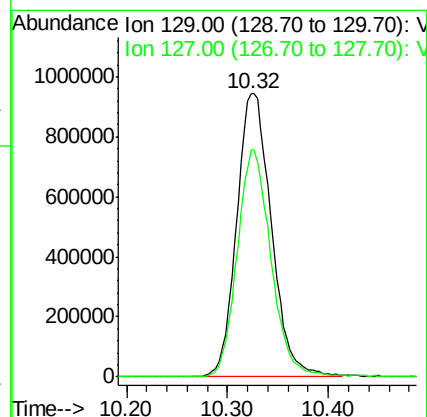
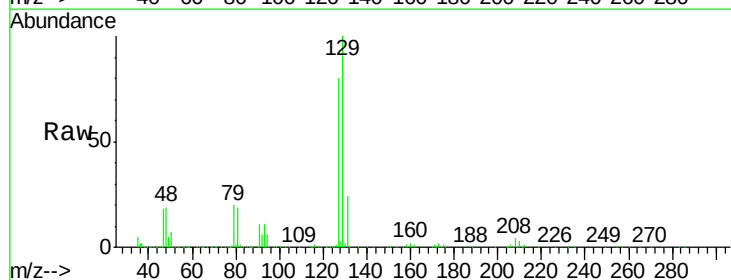
Manual Integrations
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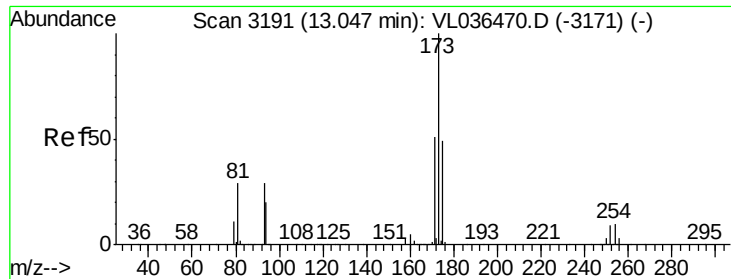
apatel
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#48
 Dibromochloromethane
 Concen: 10.181 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. 0.01 min
 Lab File: VL036787.D
 Acq: 12 Apr 2021 12:32

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.9	39.6	118.8	





#49

Bromoform

Concen: 10.040 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. 0.02 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tot Ion:173 Resp: 1795544

Ion Ratio Lower Upper

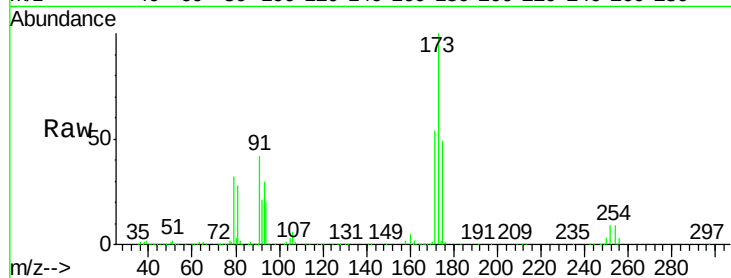
173 100

175 50.9 39.6 59.4

171 54.4 41.4 62.0

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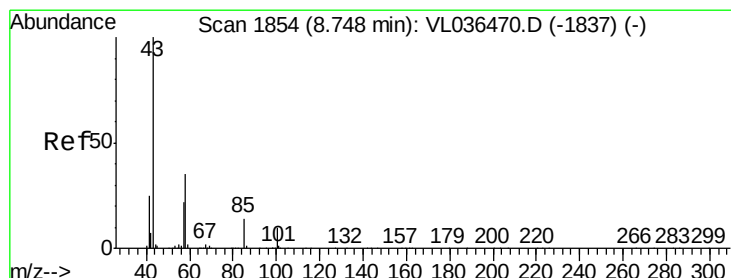
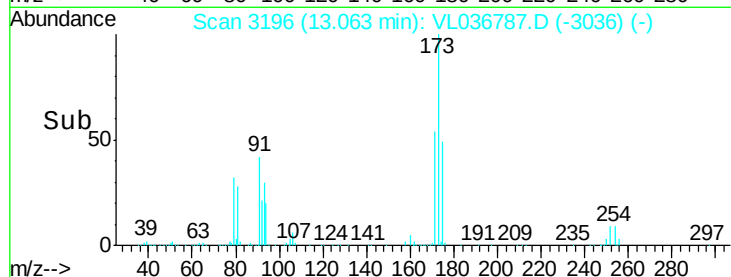
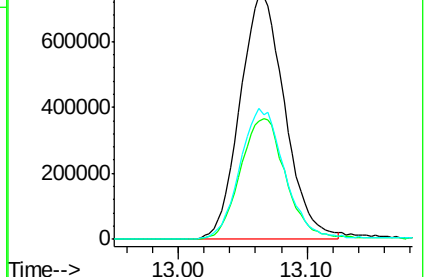
apatel
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.530 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.01 min

Lab File: VL036787.D

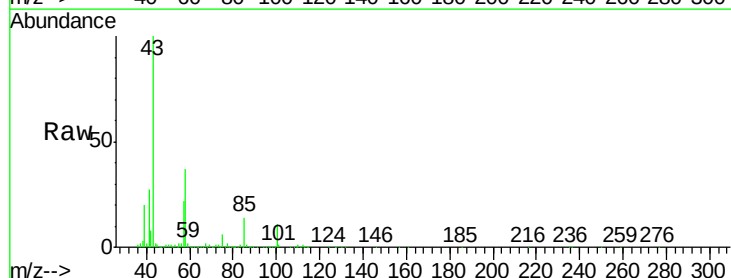
Acq: 12 Apr 2021 12:32

Tgt Ion: 43 Resp: 2586338

Ion Ratio Lower Upper

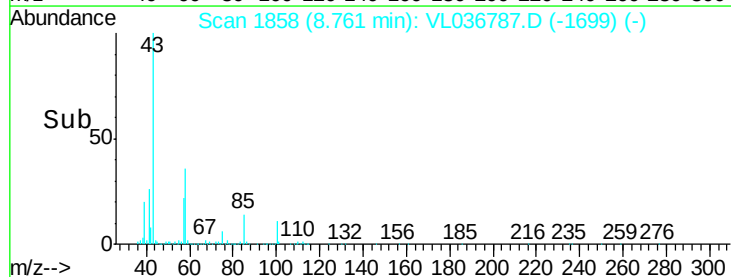
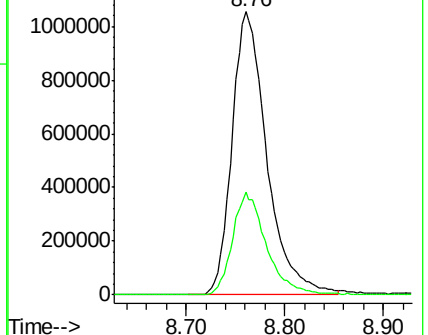
43 100

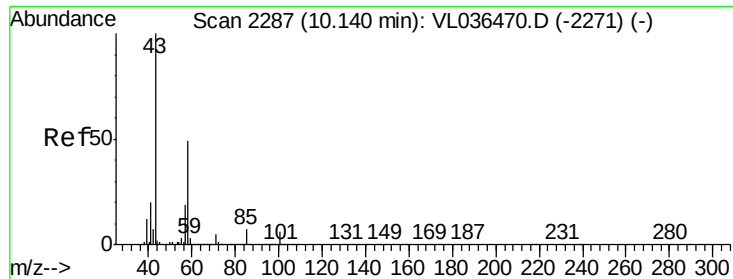
58 35.6 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





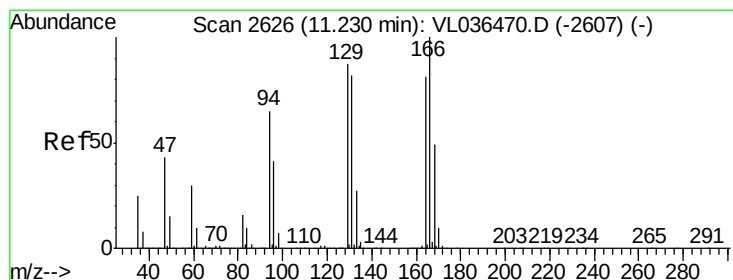
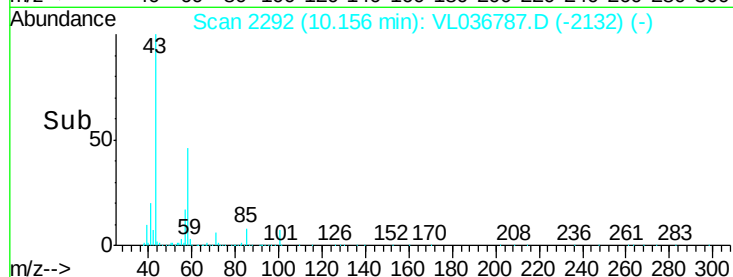
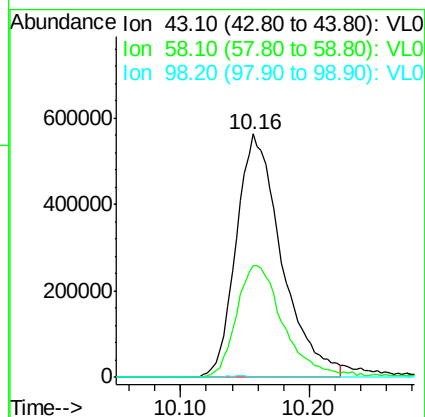
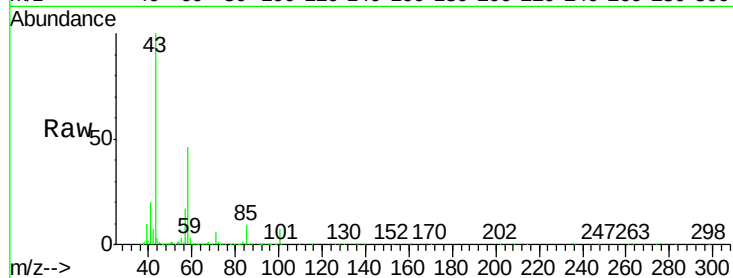
#51
2-Hexanone
Concen: 10.057 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.02 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

Tot Ion: 43 Resp: 1377458
Ion Ratio Lower Upper
43 100
58 49.1 37.7 56.5
98 0.7 0.2 0.2#

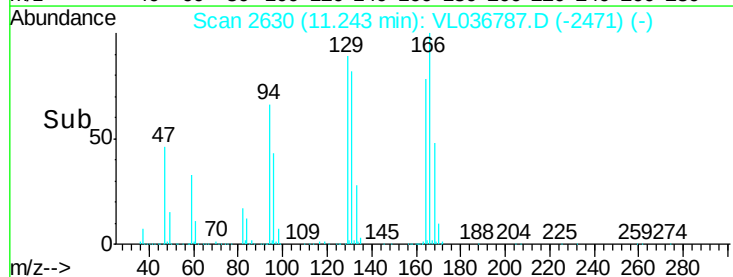
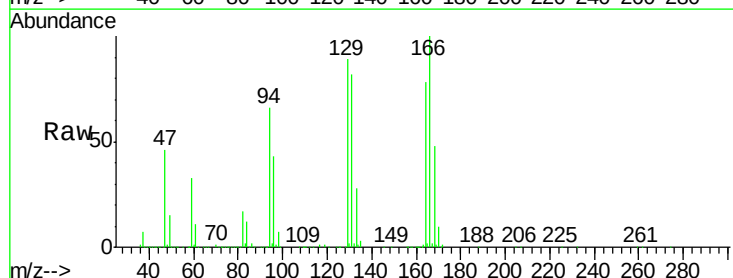
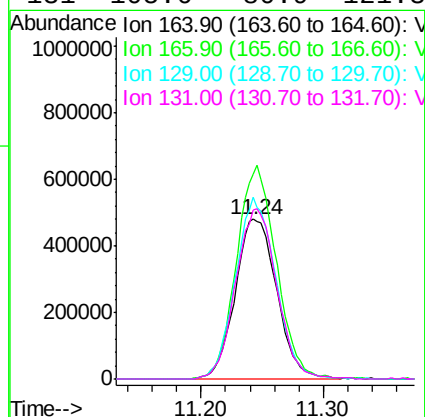
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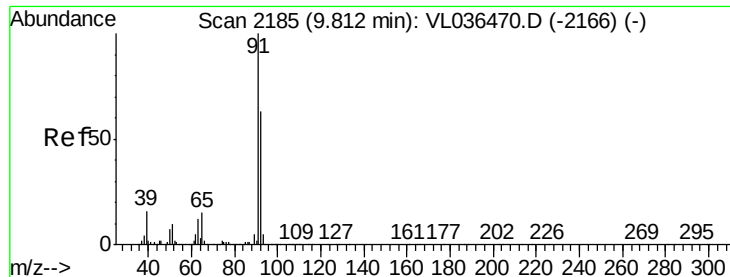
apatel
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#52
Tetrachloroethene
Concen: 8.626 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Tgt Ion: 164 Resp: 1125610
Ion Ratio Lower Upper
164 100
166 128.6 98.3 147.5
129 114.1 85.8 128.8
131 105.6 80.9 121.3





#53

Toluene

Concen: 9.920 ppbv

RT: 9.82 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tot Ion: 91 Resp: 3743642

Ion Ratio Lower Upper

91 100

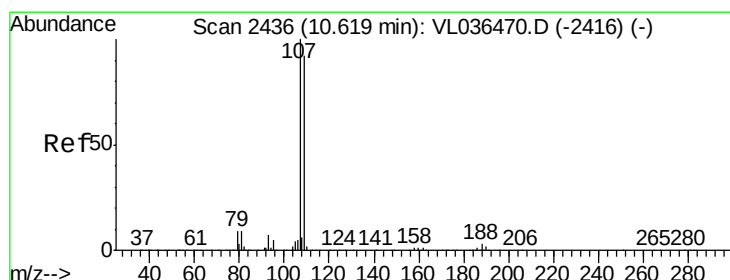
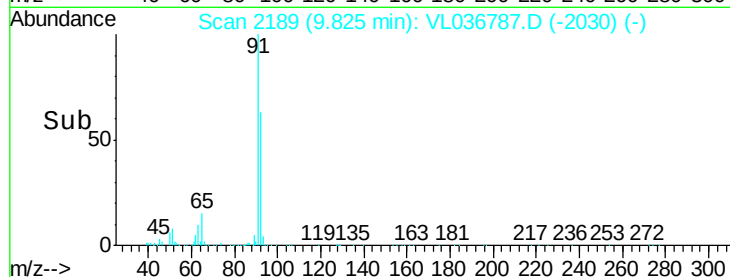
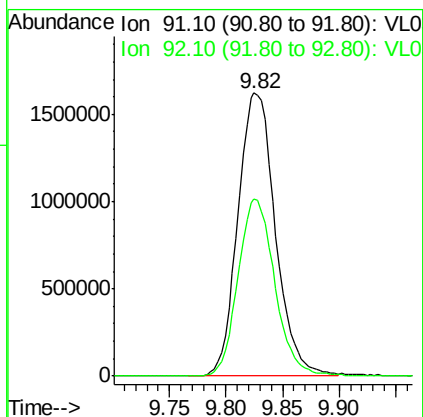
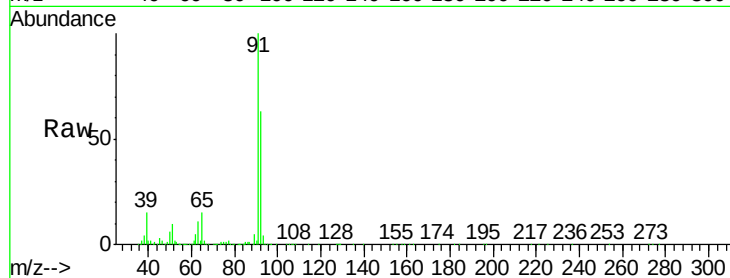
92 61.5 48.8 73.2

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.527 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.01 min

Lab File: VL036787.D

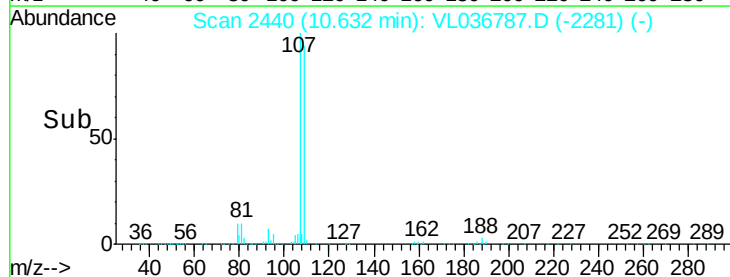
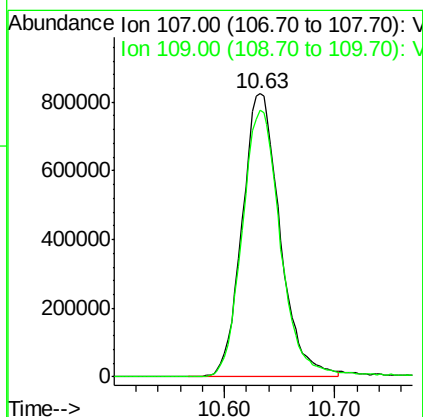
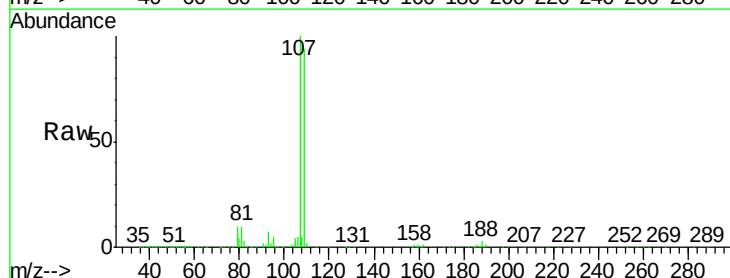
Acq: 12 Apr 2021 12:32

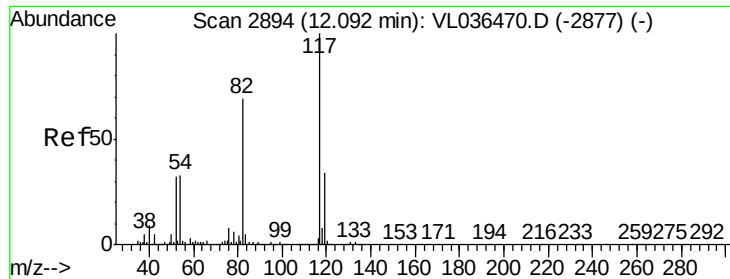
Tgt Ion: 107 Resp: 1959090

Ion Ratio Lower Upper

107 100

109 94.4 73.9 110.9





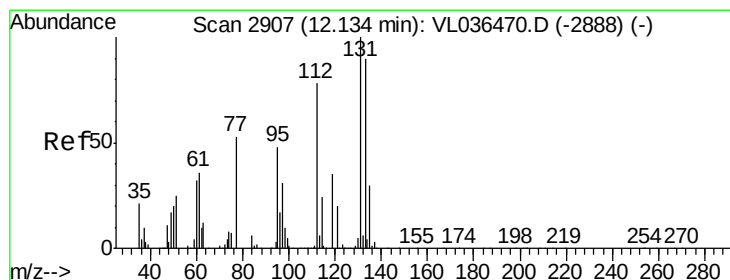
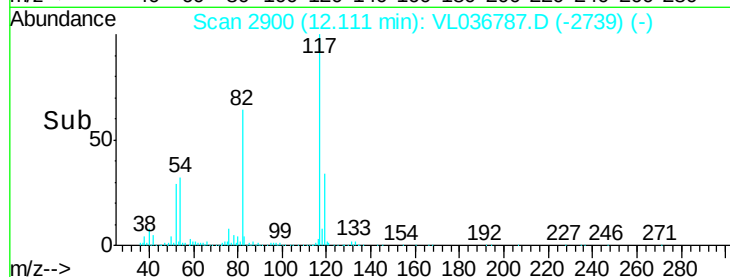
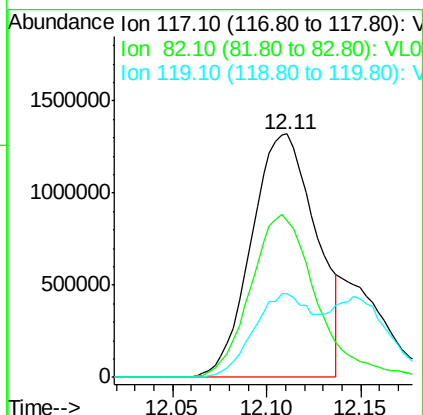
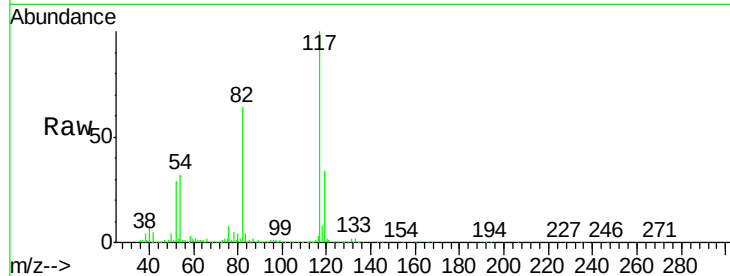
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2900
Delta R.T. 0.02 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

Tot Ion:117 Resp: 3163669
Ion Ratio Lower Upper
117 100
82 68.7 57.4 86.0
119 28.6 47.4 71.0#

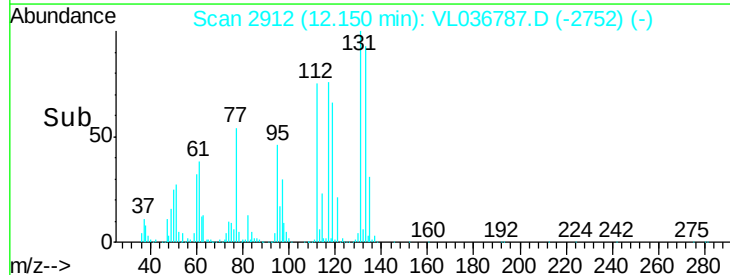
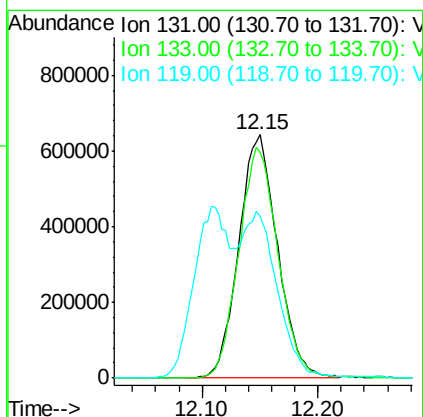
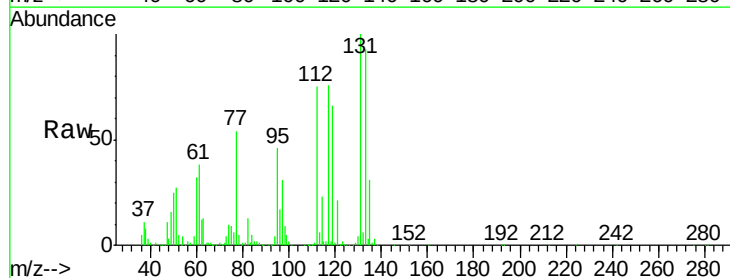
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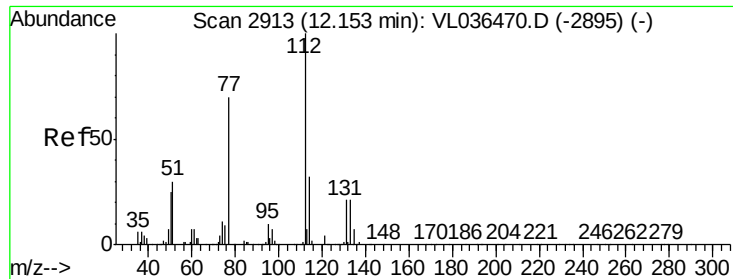
apatel
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.433 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.02 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Tgt Ion:131 Resp: 1492966
Ion Ratio Lower Upper
131 100
133 96.5 75.8 113.6
119 71.0 48.7 73.1





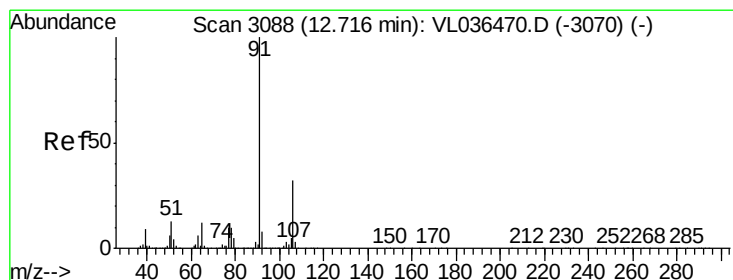
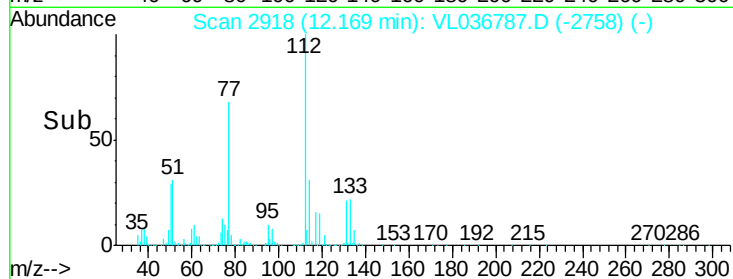
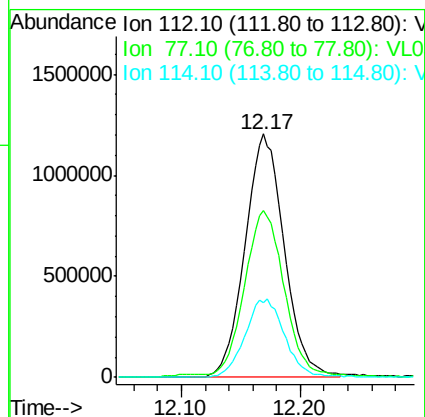
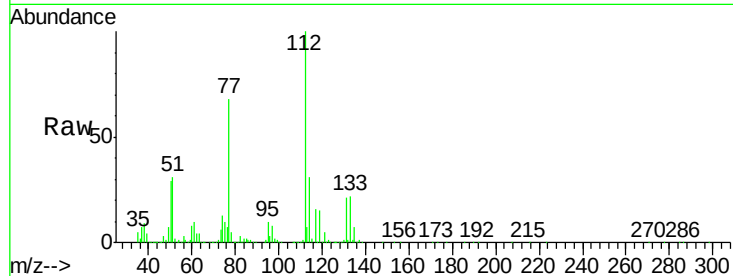
#57
Chlorobenzene
Concen: 10.195 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.02 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

Tot Ion: 112 Resp: 2744220
Ion Ratio Lower Upper
112 100
77 67.1 56.0 84.0
114 30.9 29.0 35.4

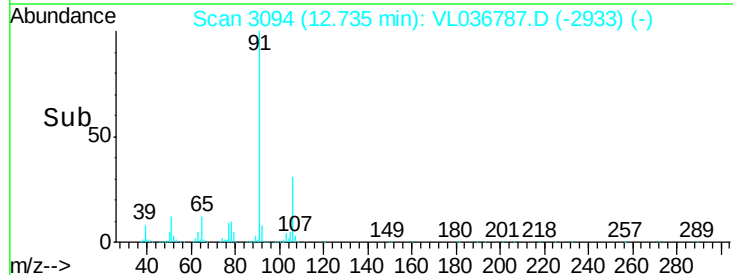
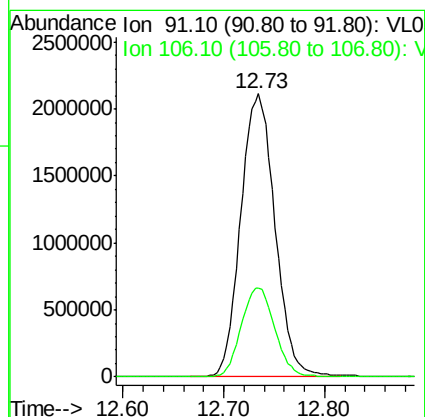
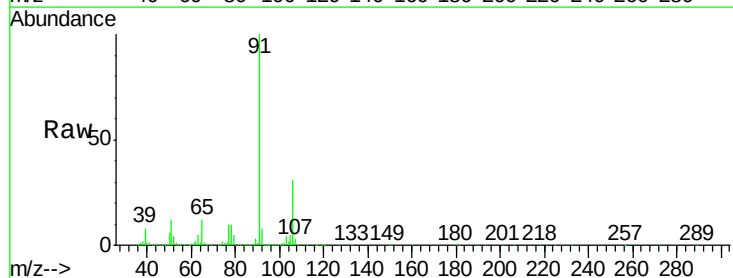
Manual Integrations
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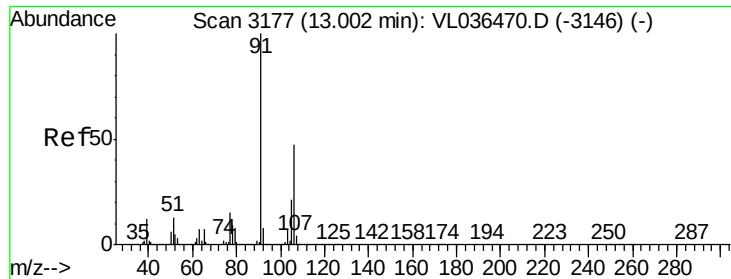
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#58
Ethyl Benzene
Concen: 10.813 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. 0.02 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Tgt Ion: 91 Resp: 4976961
Ion Ratio Lower Upper
91 100
106 31.3 25.3 37.9





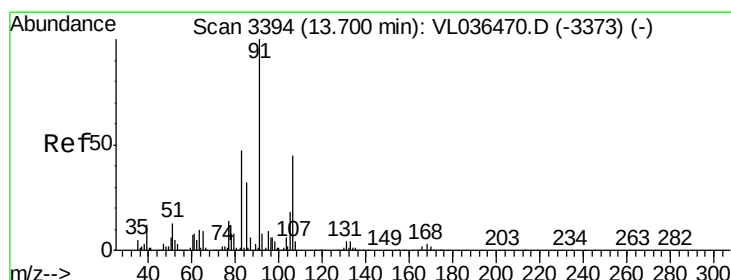
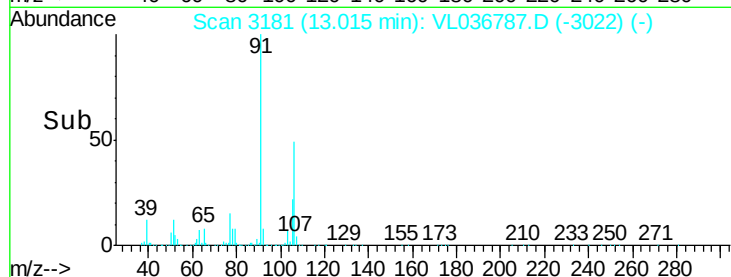
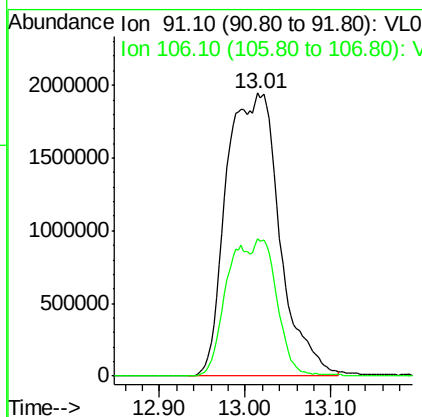
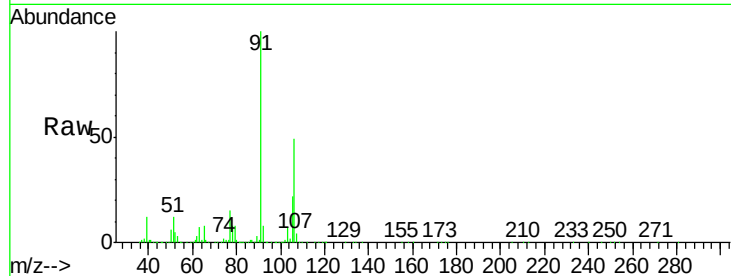
#59
m/p-Xylene
Concen: 20.867 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

Tot Ion: 91 Resp: 8377393
Ion Ratio Lower Upper
91 100
106 44.7 35.3 52.9

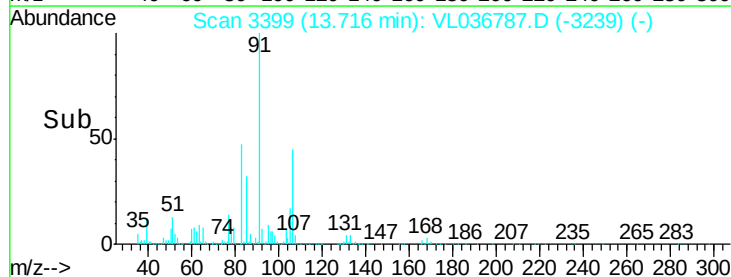
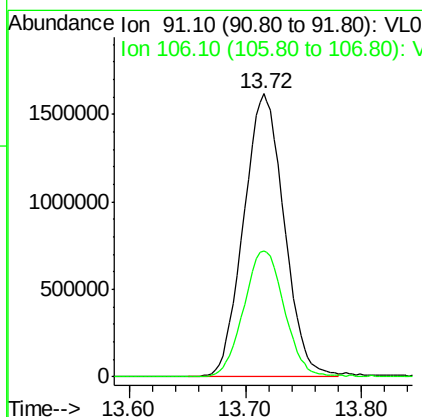
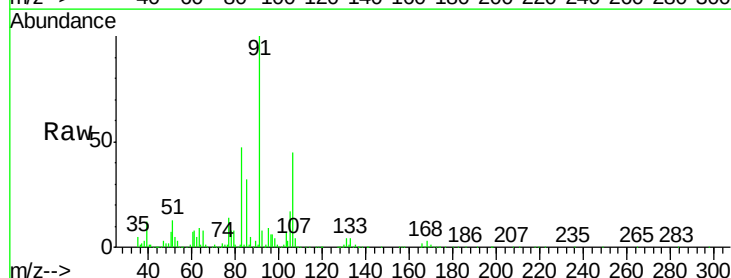
Manual Integrations
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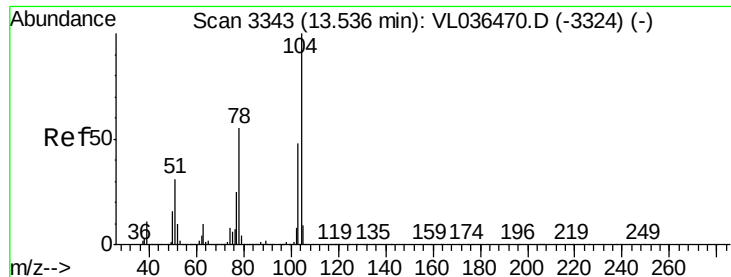
apatel
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#60
o-Xylene
Concen: 10.118 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.02 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Tgt Ion: 91 Resp: 3927488
Ion Ratio Lower Upper
91 100
106 45.0 22.3 66.9





#61

Stvrene

Concen: 12.034 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. 0.02 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tot Ion:104 Resp: 2350142

Ion Ratio Lower Upper

104 100

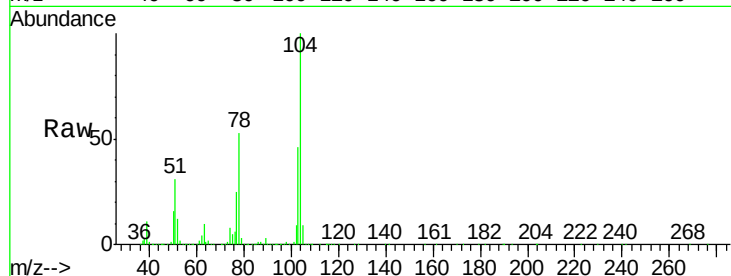
78 53.6 43.8 65.8

103 47.1 38.3 57.5

Manual Integrations
APPROVED

apatel

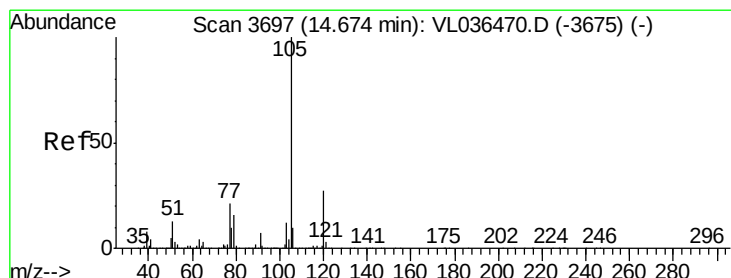
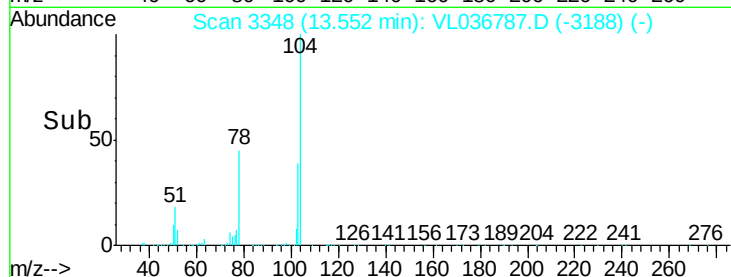
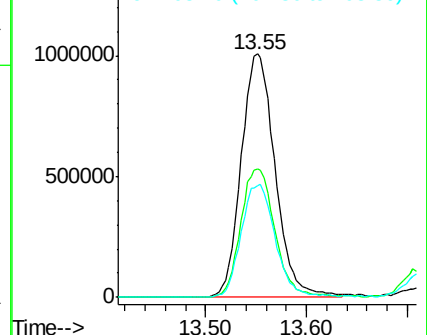
4/13/2021 10:42:56 AM



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: 10.235 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.02 min

Lab File: VL036787.D

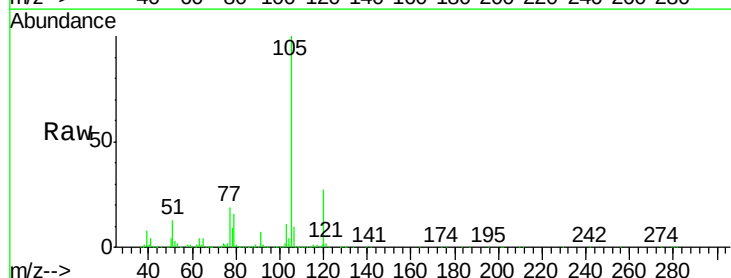
Acq: 12 Apr 2021 12:32

Tgt Ion:105 Resp: 5350158

Ion Ratio Lower Upper

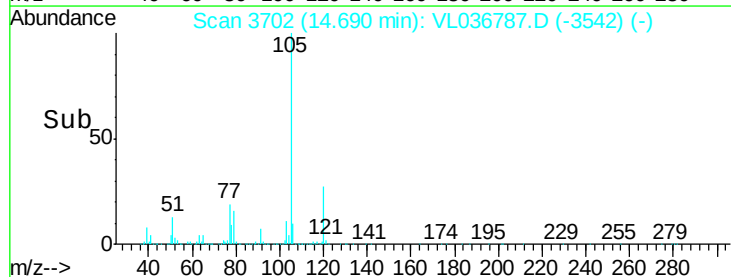
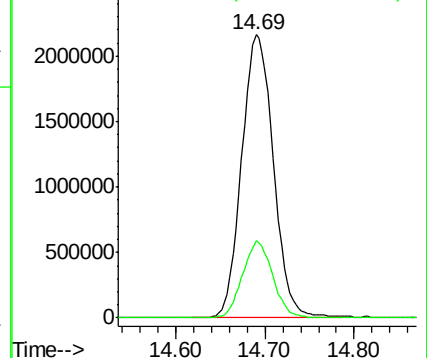
105 100

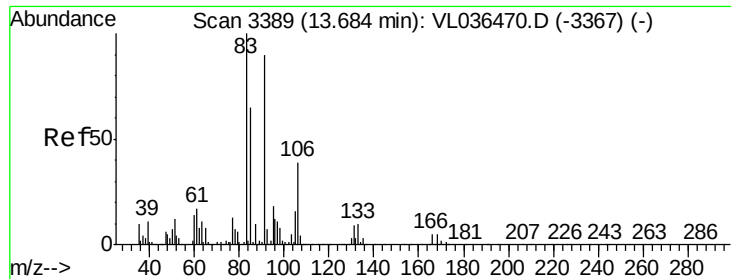
120 26.0 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





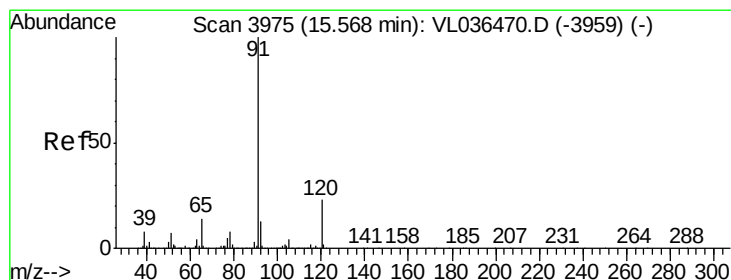
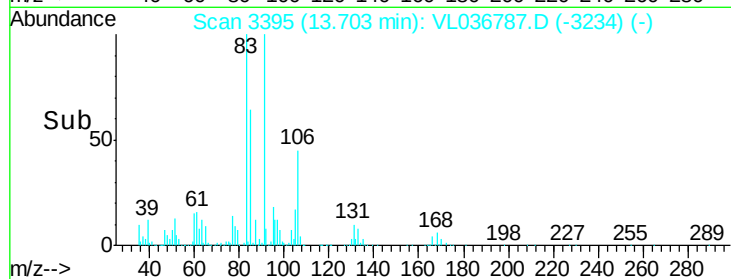
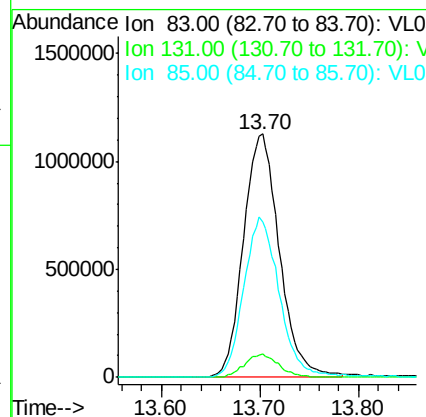
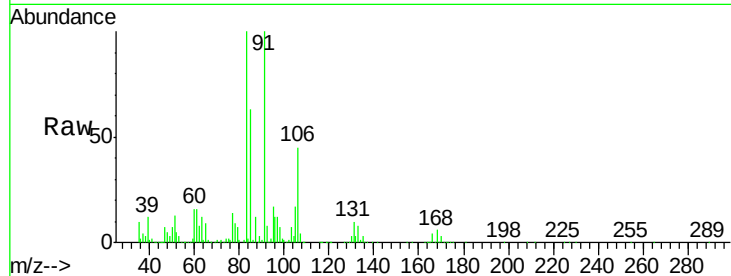
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.634 ppbv
 RT: 13.70 min Scan# 3395
 Delta R.T. 0.02 min
 Lab File: VL036787.D
 Acq: 12 Apr 2021 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	65.4	33.1	99.3

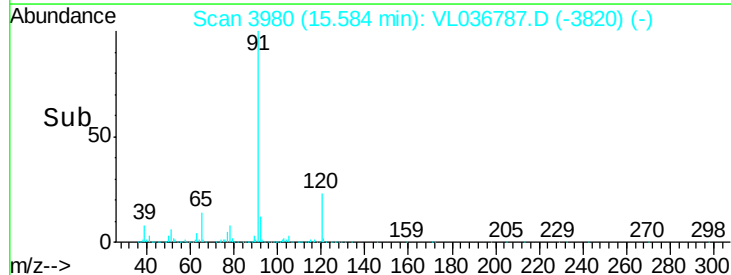
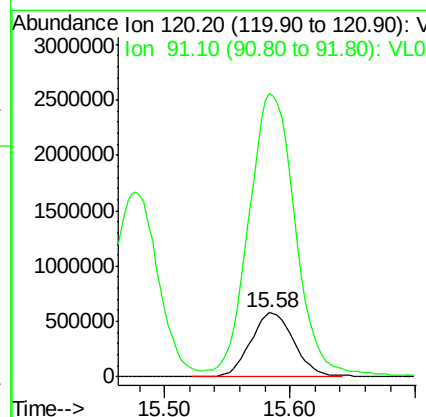
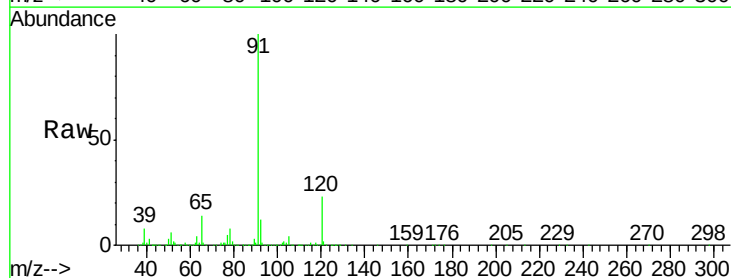
Manual Integrations
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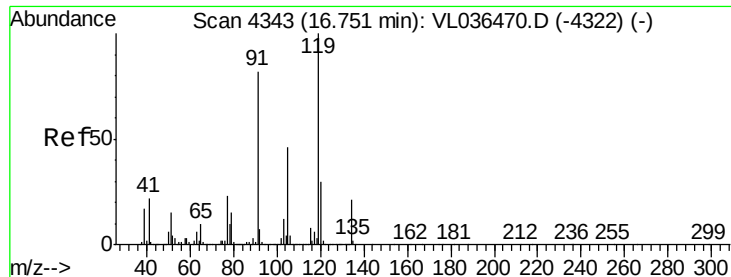
apatel
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#64
 n-propylbenzene
 Concen: 10.892 ppbv
 RT: 15.58 min Scan# 3980
 Delta R.T. 0.02 min
 Lab File: VL036787.D
 Acq: 12 Apr 2021 12:32

Tgt Ion	Ratio	Lower	Upper
120	100		
91	476.8	377.4	566.2





#65

tert-Butylbenzene

Concen: 10.246 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.02 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tot Ion:119 Resp: 4644086

Ion Ratio Lower Upper

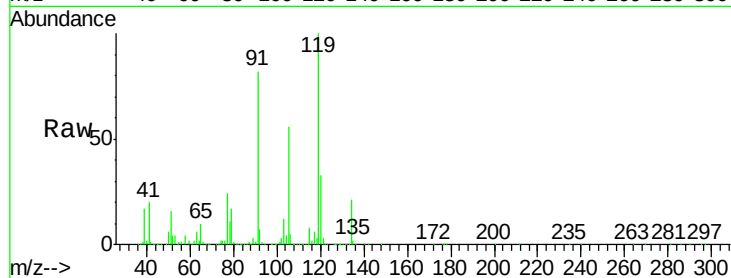
119 100

91 84.2 67.5 101.3

134 19.6 15.8 23.8

Manual Integrations
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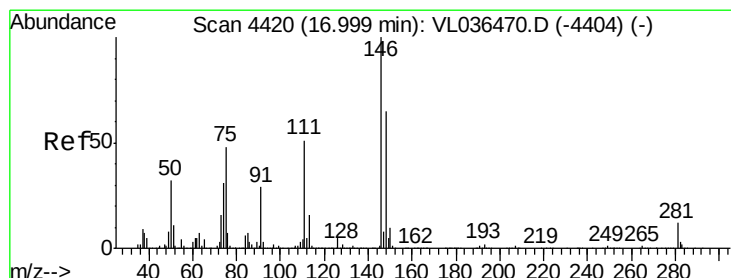
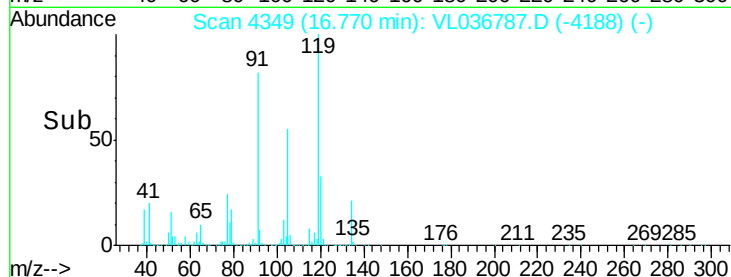
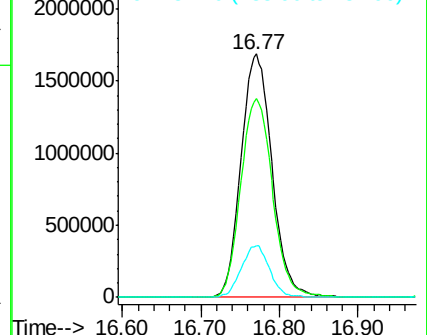
apatel
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 13.087 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. 0.01 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

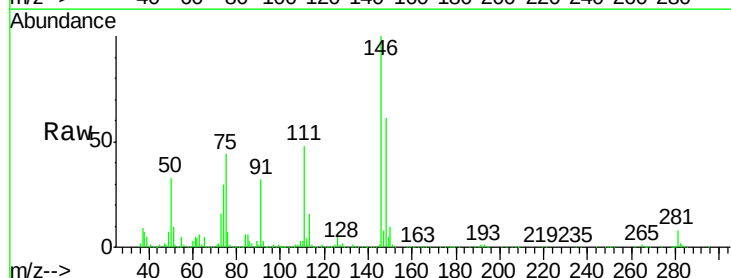
Tgt Ion: 91 Resp: 655685

Ion Ratio Lower Upper

91 100

126 17.1 13.5 20.3

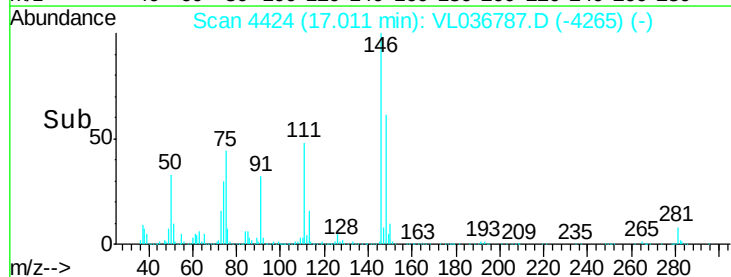
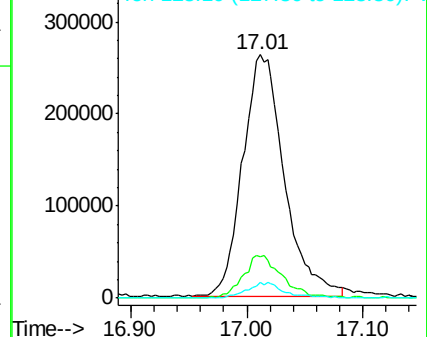
128 6.2 4.2 6.4

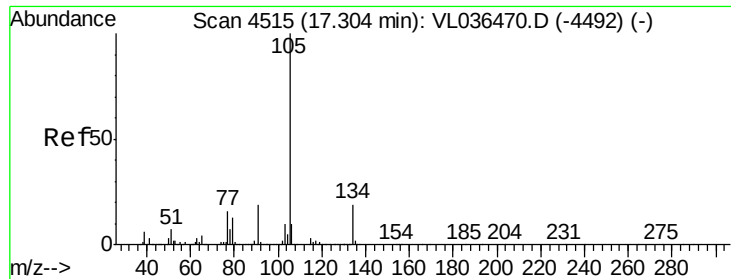


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.174 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. 0.02 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tot Ion: 105 Resp: 6509651

Ion Ratio Lower Upper

105 100

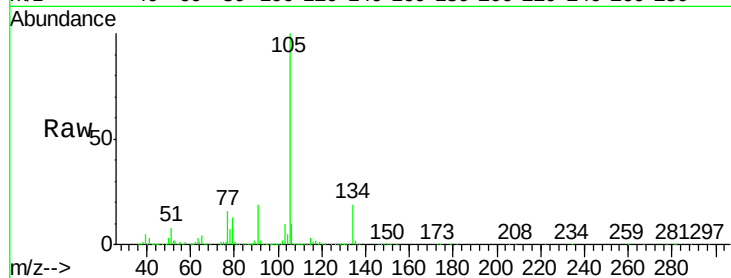
134 18.6 14.7 22.1

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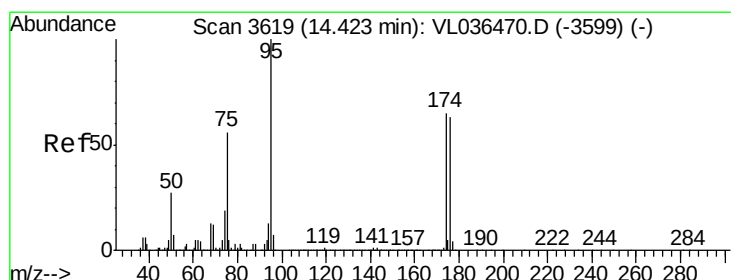
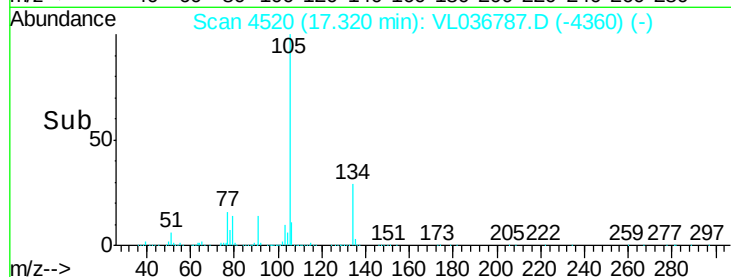
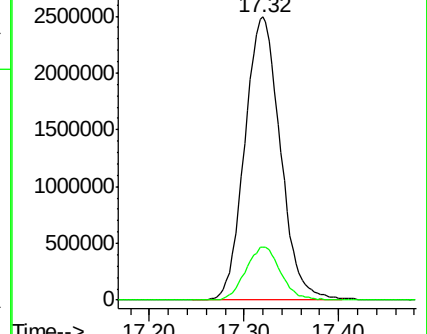
apatel

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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: 8.824 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.02 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

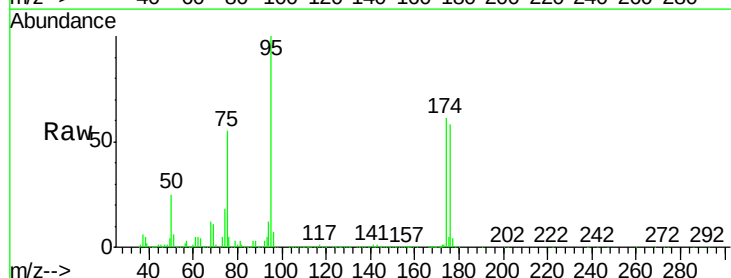
Tgt Ion: 95 Resp: 2224868

Ion Ratio Lower Upper

95 100

174 63.4 51.0 76.6

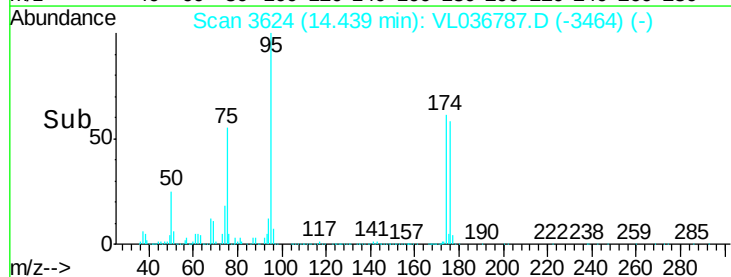
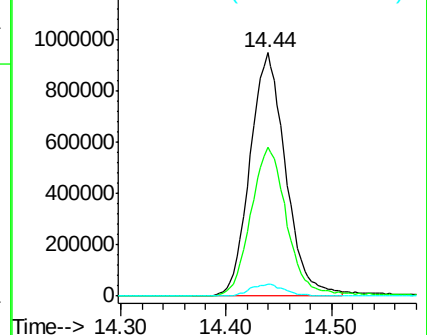
175 5.0 3.9 5.9

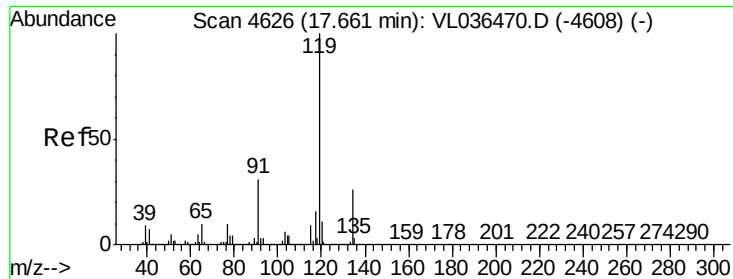


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





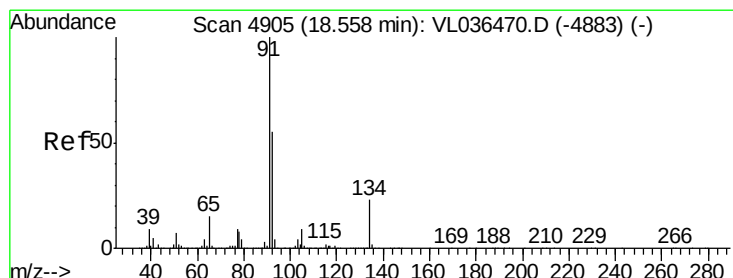
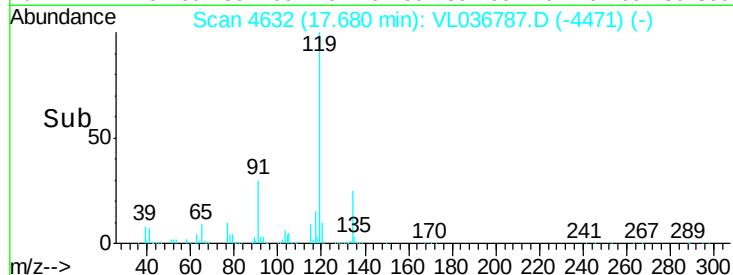
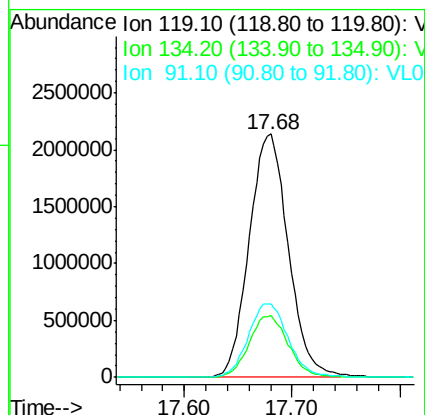
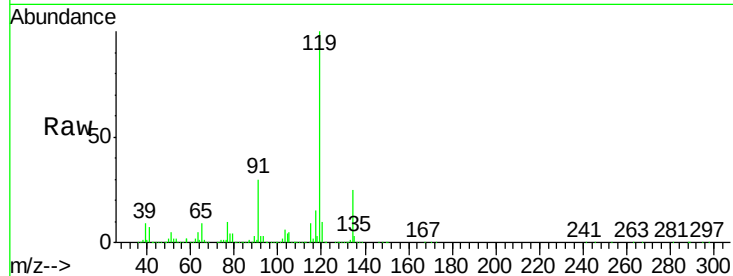
#69
 p-Isopropyltoluene
 Concen: 10.772 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. 0.02 min
 Lab File: VL036787.D
 Acq: 12 Apr 2021 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	31.0	25.0	37.6

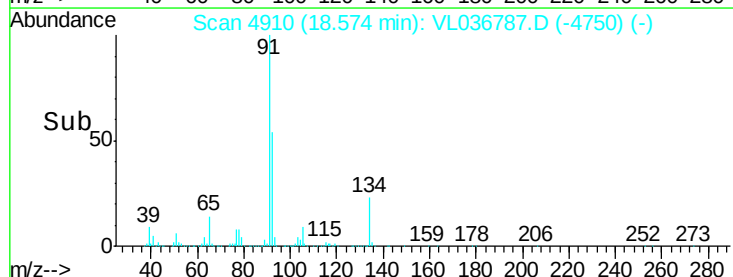
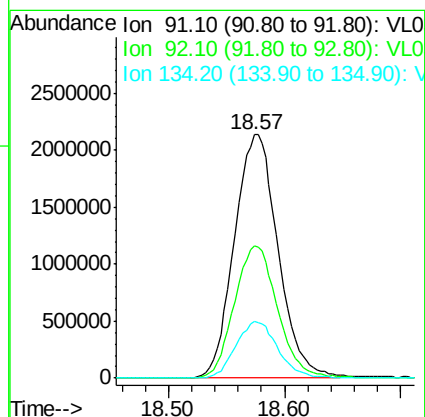
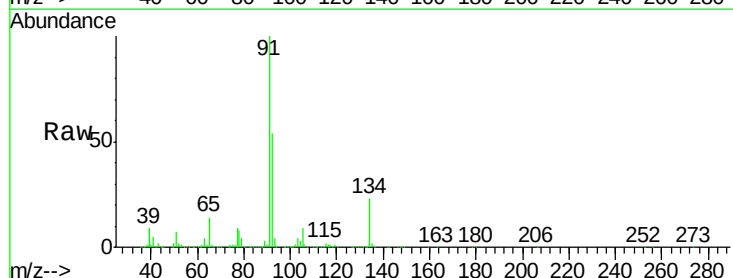
Manual Integrations
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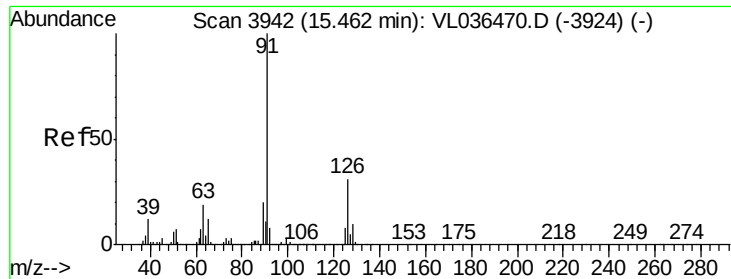
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#70
 n-Butylbenzene
 Concen: 10.747 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. 0.02 min
 Lab File: VL036787.D
 Acq: 12 Apr 2021 12:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.8	65.8
134	22.5	18.0	27.0





#71

2-Chlorotoluene

Concen: 10.508 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. 0.02 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tot Ion: 91 Resp: 4116085

Ion Ratio Lower Upper

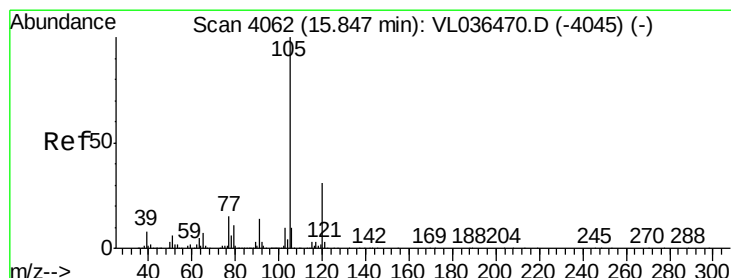
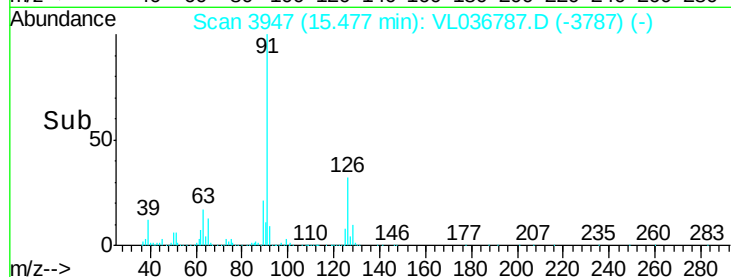
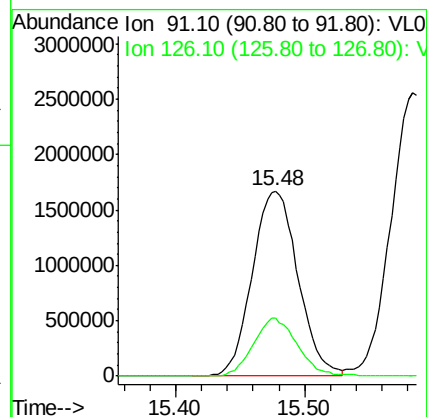
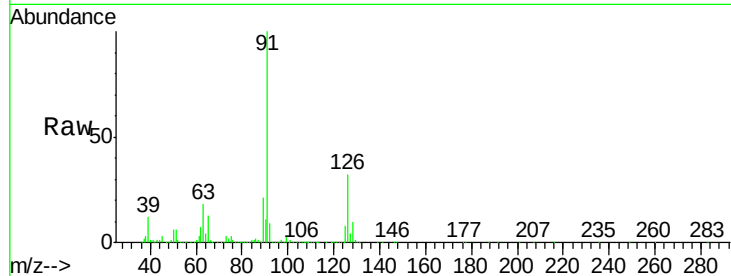
91 100

126 31.0 12.1 48.5

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#72

4-Ethyltoluene

Concen: 10.595 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. 0.02 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Tgt Ion: 105 Resp: 4506417

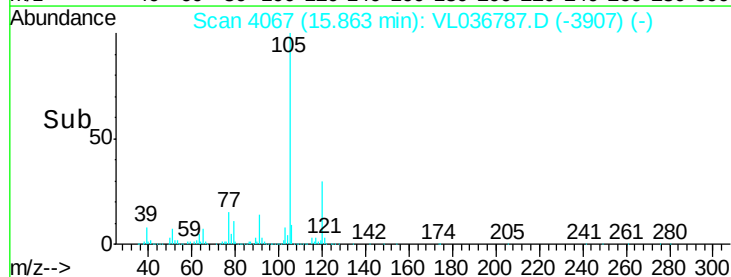
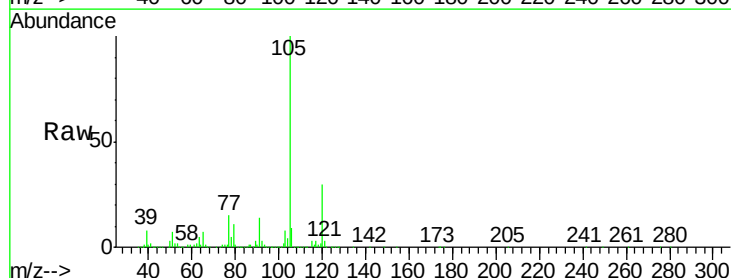
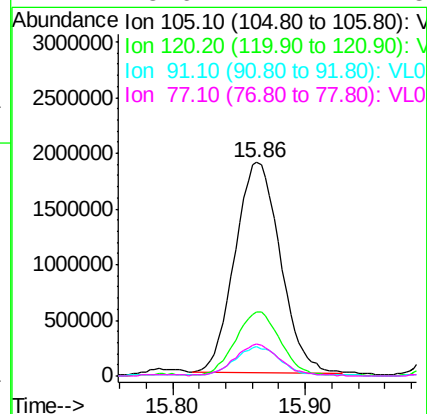
Ion Ratio Lower Upper

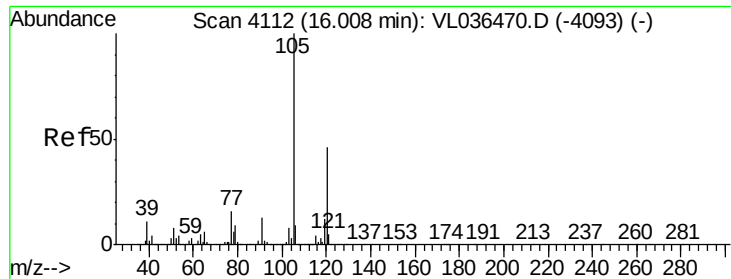
105 100

120 30.8 24.0 36.0

91 14.0 11.0 16.4

77 15.6 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 10.777 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. 0.02 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tot Ion:105 Resp: 4278494

Ion Ratio Lower Upper

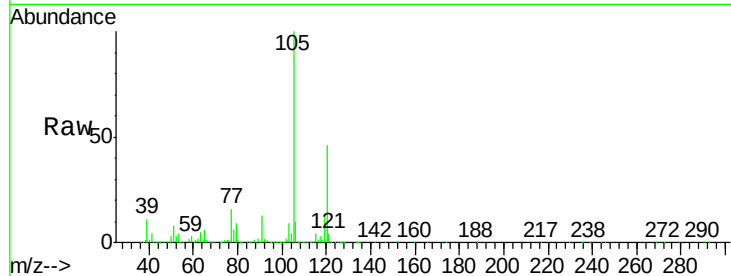
105 100

120 46.0 36.6 54.8

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

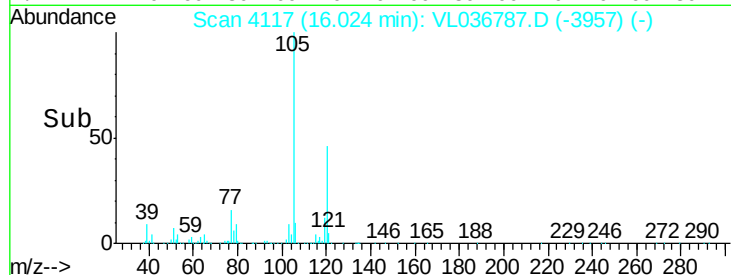
1500000

1000000

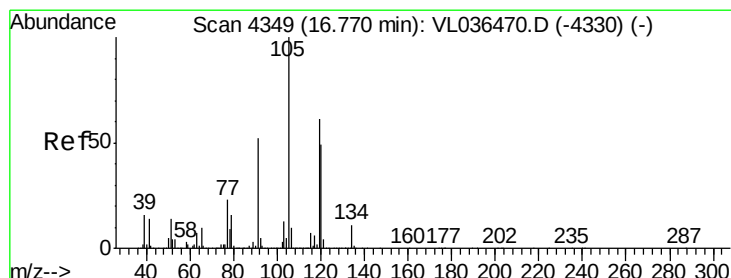
500000

0

Time-->



Time-->



#74

1,2,4-Trimethylbenzene

Concen: 10.228 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.02 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Tgt Ion:105 Resp: 4345396

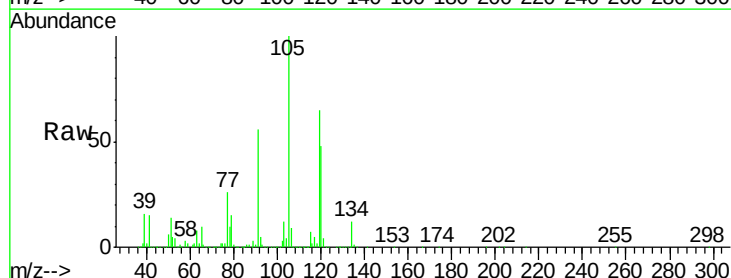
Ion Ratio Lower Upper

105 100

120 48.5 39.2 58.8

91 56.0 42.6 64.0

77 25.6 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

2500000

2000000

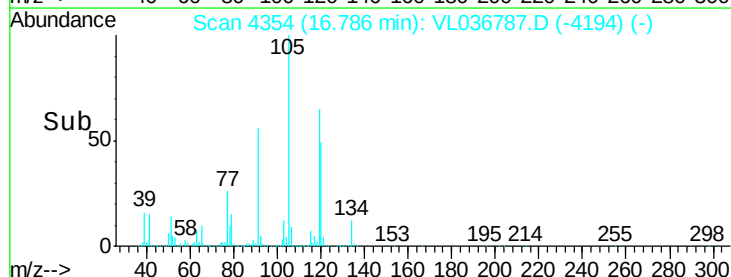
1500000

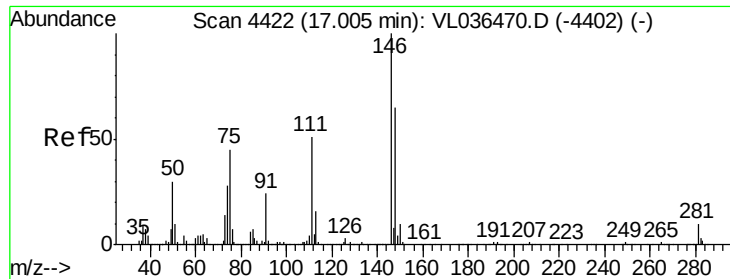
1000000

500000

0

Time-->





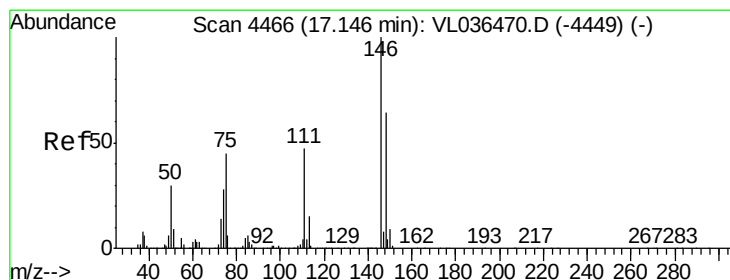
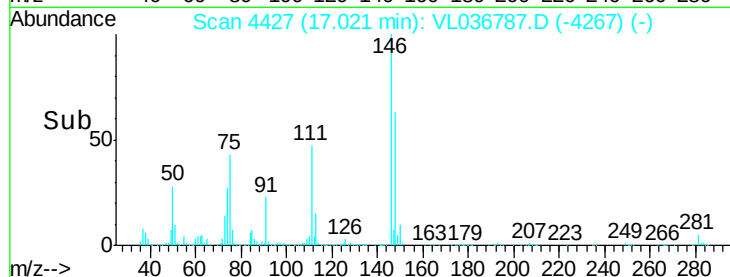
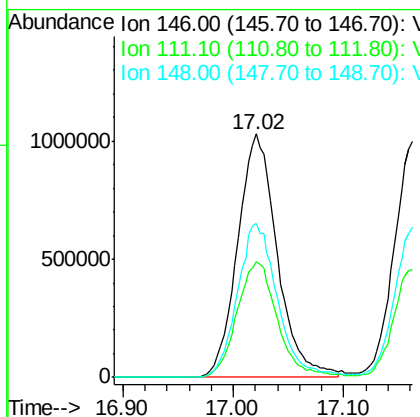
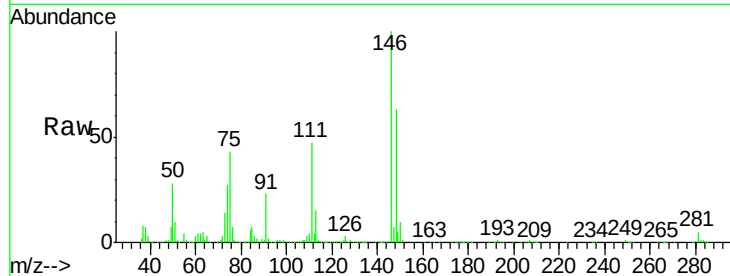
#75
 1,3-Dichlorobenzene
 Concen: 10.682 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. 0.02 min
 Lab File: VL036787.D
 Acq: 12 Apr 2021 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.5	73.5
148	64.3	32.3	96.9

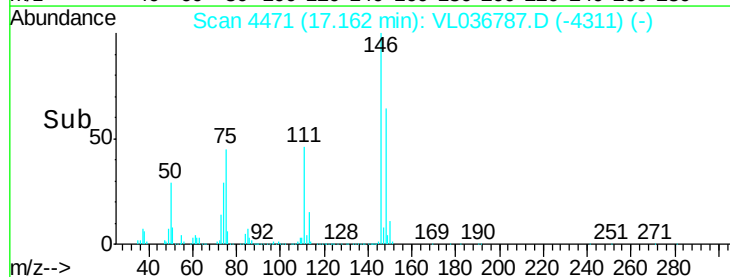
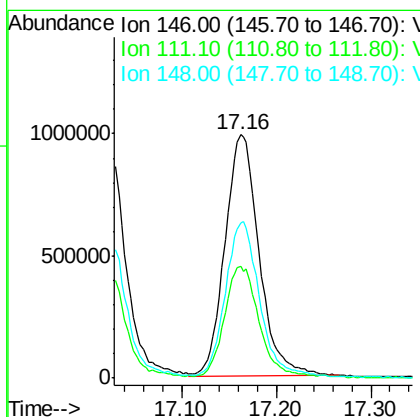
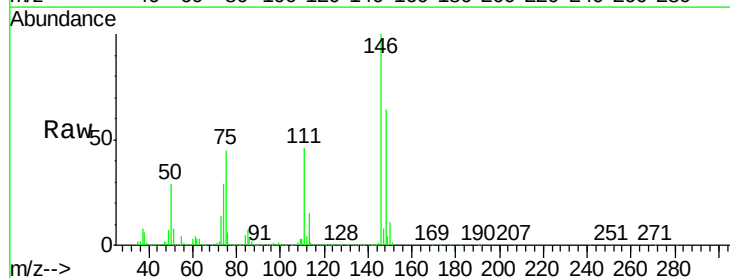
Manual Integrations
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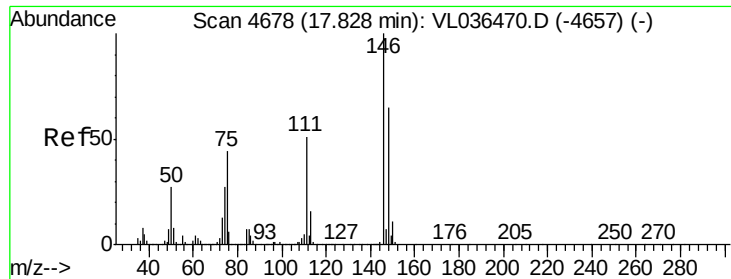
apatel
 4/13/2021 10:42:56 AM



#76
 1,4-Dichlorobenzene
 Concen: 10.518 ppbv
 RT: 17.16 min Scan# 4471
 Delta R.T. 0.02 min
 Lab File: VL036787.D
 Acq: 12 Apr 2021 12:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	24.3	72.8
148	64.9	33.0	98.9





#77

1,2-Dichlorobenzene

Concen: 10.729 ppbv

RT: 17.84 min Scan# 4683

Delta R.T. 0.02 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tot Ion:146 Resp: 2411588

Ion Ratio Lower Upper

146 100

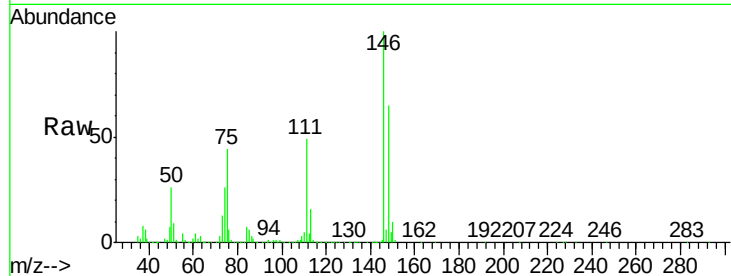
111 50.9 25.5 76.5

148 65.6 32.9 98.6

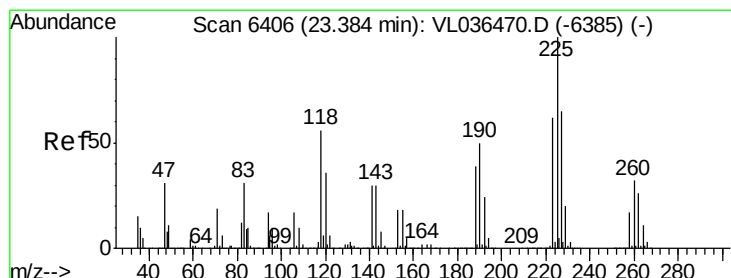
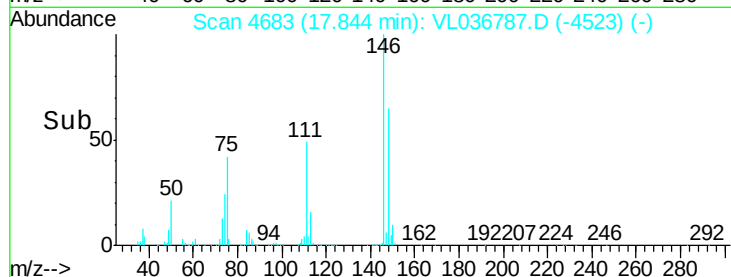
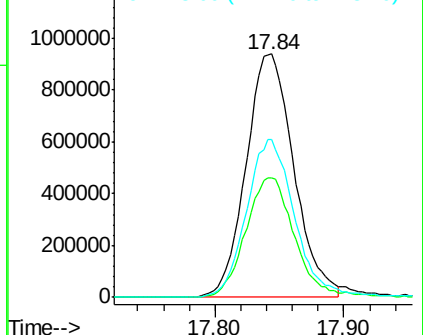
Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.858 ppbv

RT: 23.40 min Scan# 6411

Delta R.T. 0.02 min

Lab File: VL036787.D

Acq: 12 Apr 2021 12:32

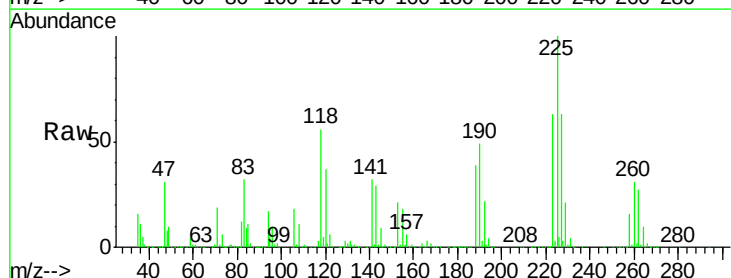
Tgt Ion:225 Resp: 1783194

Ion Ratio Lower Upper

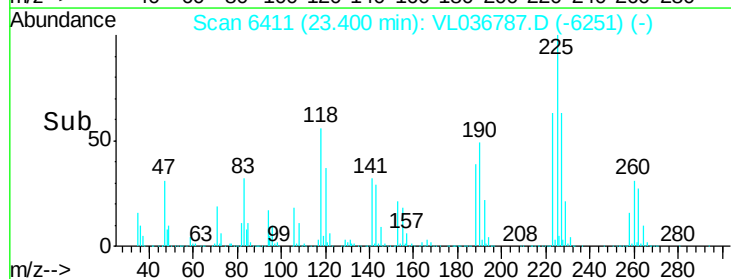
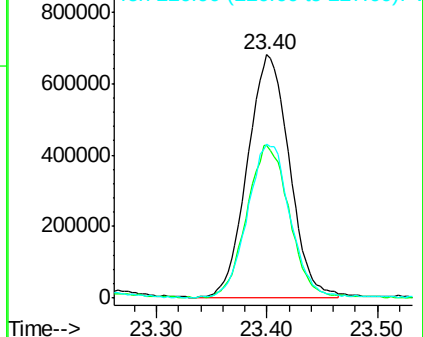
225 100

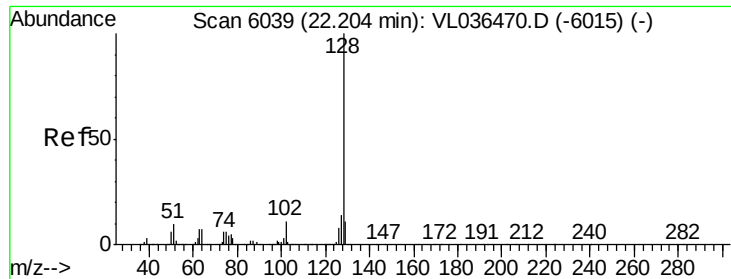
223 63.5 50.6 75.8

227 65.2 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





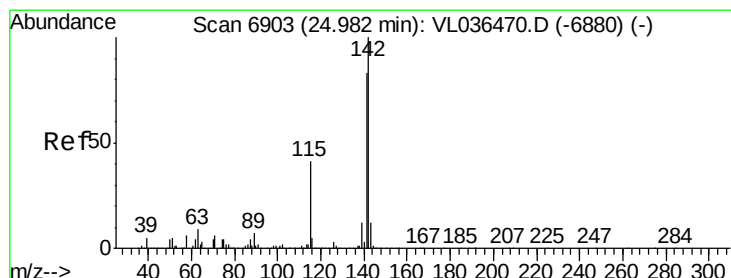
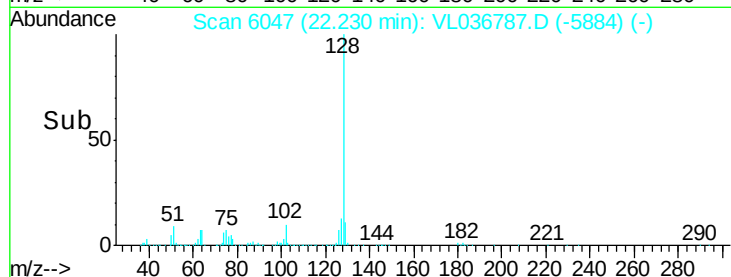
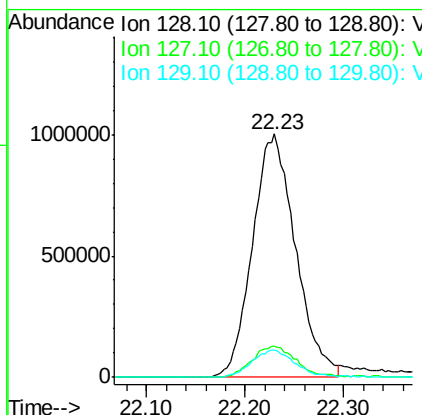
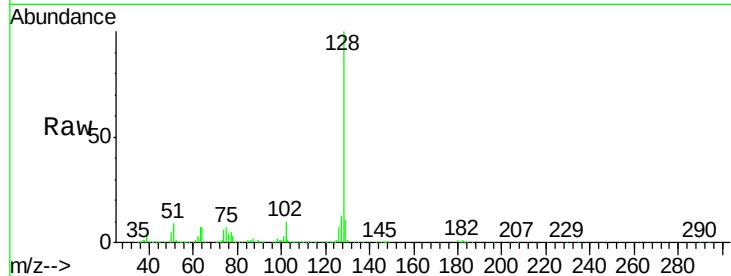
#79
Naphthalene
Concen: 12.188 ppbv
RT: 22.23 min Scan# 6047
Delta R.T. 0.03 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.9	16.3
129	10.9	9.0	13.4

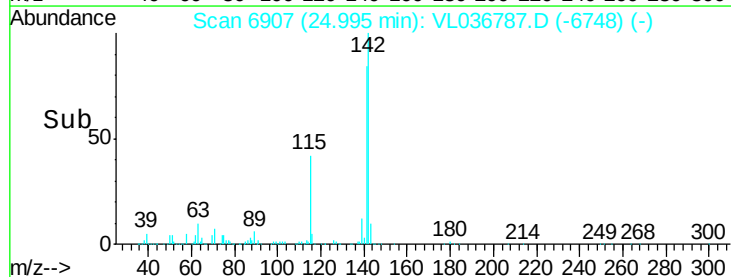
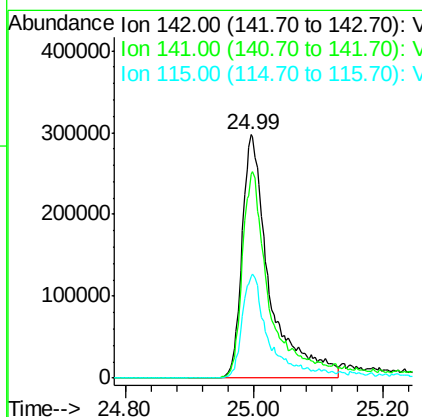
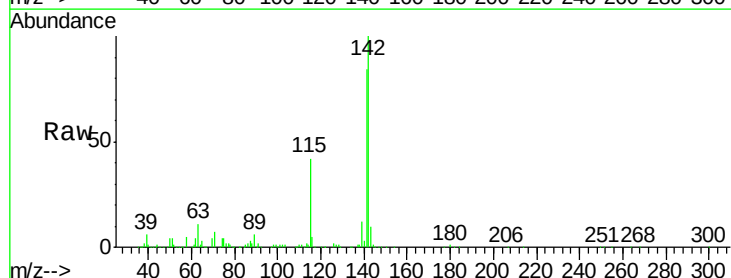
Manual Integrations
APPROVED

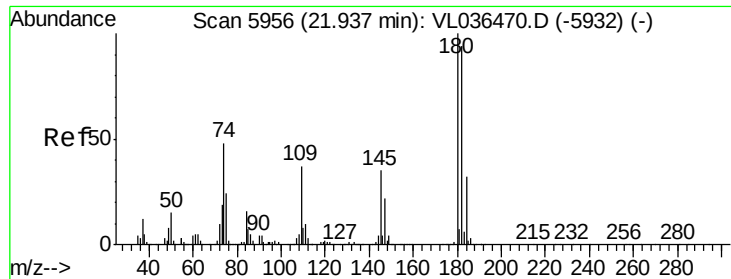
apatel
4/13/2021 10:42:56 AM



#80
Naphthalene, 2-methyl-
Concen: 18.052 ppbv
RT: 24.99 min Scan# 6907
Delta R.T. 0.01 min
Lab File: VL036787.D
Acq: 12 Apr 2021 12:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.8	67.8	101.8
115	42.6	34.0	51.0





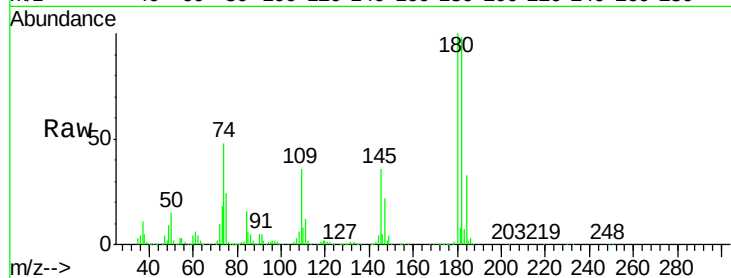
#81
 1,2,4-Trichlorobenzene
 Concen: 11.221 ppbv
 RT: 21.96 min Scan# 5962
 Delta R.T. 0.02 min
 Lab File: VL036787.D
 Acq: 12 Apr 2021 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

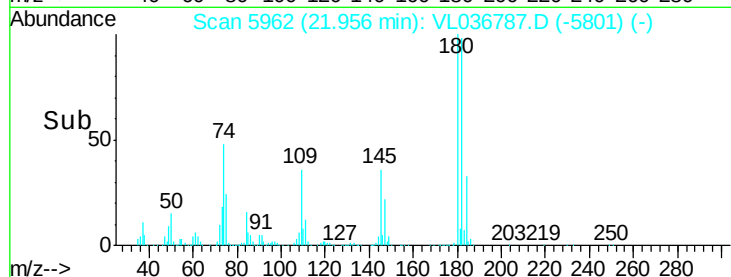
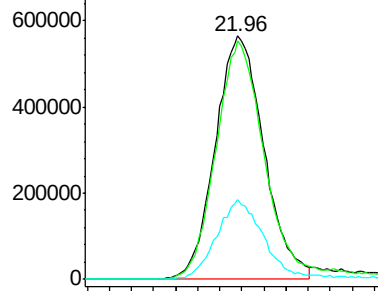
Tot Ion	Ratio	Lower	Upper
180	100		
182	102.2	80.8	121.2
184	32.4	25.0	37.4

Manual Integrations
 APPROVED

apatel
 4/13/2021 10:42:56 AM



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V



Time-->