

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032621\
 Data File : VL036506.D
 Acq On : 26 Mar 2021 8:35
 Operator : SY/AP
 Sample : VL0326ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0326ABS01

Manual Integrations
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 4/1/2021 8:23:54 AM

Quant Time: Mar 26 09:07:21 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 26 09:07:21 2021
 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	1470603	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	3570299	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	3283819m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2760932	10.55	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	2450402	10.216	ppbv	98
3) Chlorodifluoromethane	3.00	51	2673937	9.732	ppbv	100
4) Chloromethane	3.15	50	959332	9.885	ppbv	97
5) Vinyl Chloride	3.27	62	957548	9.596	ppbv	97
6) Bromomethane	3.48	94	544981	9.919	ppbv	97
7) Chloroethane	3.56	64	327620	9.554	ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	2266679	9.901	ppbv	100
9) Propene	3.02	41	910275	10.392	ppbv	97
10) Heptane	8.15	43	2294976	10.285	ppbv	100
11) Trichlorofluoromethane	3.96	101	2399390	9.816	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1528032	9.777	ppbv	99
13) Ethanol	3.62	45	83205m	7.977	ppbv	
14) Bromoethene	3.75	108	661414	10.180	ppbv	98
15) Acetone	3.86	43	1295875	8.953	ppbv	100
16) 1,3-Butadiene	3.34	39	978565	9.711	ppbv	97
17) tert-Butyl alcohol	4.30	59	1230845	9.769	ppbv	99
18) 1,1-Dichloroethene	4.30	96	663578	9.546	ppbv	98
19) Isopropyl Alcohol	3.98	45	660799	8.299	ppbv	# 97
20) Methylene Chloride	4.36	84	576274	8.504	ppbv	91
21) Allyl Chloride	4.42	41	1148982	9.958	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	599467	9.301	ppbv	91
23) Vinyl Acetate	5.09	43	2513478	10.152	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1857378	10.292	ppbv	99
25) Ethyl Acetate	5.69	43	3387065	9.843	ppbv	99
26) Hexane	5.70	57	1586364	9.934	ppbv	100
27) Carbon Disulfide	4.56	76	1699849	10.806	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1910184	10.143	ppbv	99
29) Chloroform	5.77	83	2544421	9.963	ppbv	99
30) Cyclohexane	7.15	84	1344411	10.381	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1573844	10.190	ppbv	95
32) 1,1,1-Trichloroethane	6.53	97	2523300	9.804	ppbv	98
34) 2-Butanone	5.26	43	1701806	9.765	ppbv	99
35) Carbon Tetrachloride	7.04	117	2655366	9.683	ppbv	99
36) Benzene	6.91	78	3270617	9.933	ppbv	99
37) 1,2-Dichloroethane	6.33	62	1927383	9.945	ppbv	100
38) Trichloroethene	7.86	130	1191368	9.297	ppbv	97
39) 1,2-Dichloropropane	7.63	63	1312646	9.827	ppbv	97
40) 1,4-Dioxane	7.85	88	253979	8.170	ppbv	57
41) Tetrahydrofuran	6.07	42	795512m	9.900	ppbv	
42) Bromodichloromethane	7.82	83	2702255	10.251	ppbv	99
43) Methyl Methacrylate	8.04	69	1199388	10.847	ppbv	99

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Instrument :
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 ClientSampleID :
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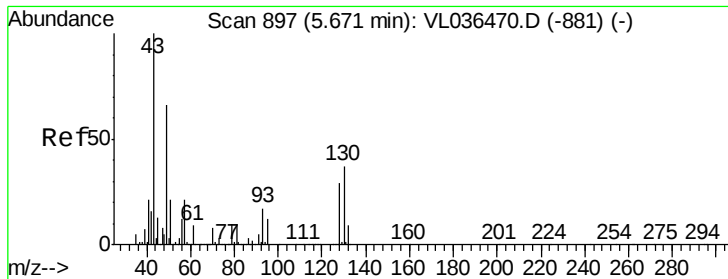
Manual Integrations
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Quant Time: Mar 26 09:07:21 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 26 09:07:21 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5570619	9.612	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1328457	10.522	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1662435	10.301	ppbv	96
47) 1,1,2-Trichloroethane	9.50	97	1288466	9.524	ppbv	98
48) Dibromochloromethane	10.33	129	2134462	10.349	ppbv	100
49) Bromoform	13.07	173	1673330	10.070	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	2651817	10.516	ppbv	100
51) 2-Hexanone	10.16	43	1439180	11.309	ppbv #	100
52) Tetrachloroethene	11.25	164	1087344	8.968	ppbv	99
53) Toluene	9.83	91	3643682	10.391	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1856344	9.716	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	1450462	9.766	ppbv	98
57) Chlorobenzene	12.18	112	2596787	9.294	ppbv	99
58) Ethyl Benzene	12.74	91	4859505	10.172	ppbv	99
59) m/p-Xylene	13.02	91	8102282m	19.444	ppbv	
60) o-Xylene	13.72	91	3811610	9.460	ppbv	99
61) Styrene	13.55	104	2233816	11.020	ppbv	100
62) Isopropylbenzene	14.70	105	5117170	9.431	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2630033	8.557	ppbv	99
64) n-propylbenzene	15.59	120	1335677	10.069	ppbv	100
65) tert-Butylbenzene	16.78	119	4365766	9.279	ppbv	99
66) Benzyl Chloride	17.02	91	535739	10.302	ppbv	99
67) sec-Butylbenzene	17.32	105	6176428	9.300	ppbv	100
69) p-Isopropyltoluene	17.68	119	5102279	9.838	ppbv	100
70) n-Butylbenzene	18.58	91	5321300	9.896	ppbv	100
71) 2-Chlorotoluene	15.48	91	3923701	9.651	ppbv	100
72) 4-Ethyltoluene	15.87	105	4433062	10.041	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4002576	9.713	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	4081610	9.256	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	2231161	8.989	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	2138726	8.678	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	2090755	8.961	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1856261	8.884	ppbv	99
79) Naphthalene	22.23	128	3304455	12.842	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	788820	15.546	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	1809247	11.388	ppbv	99

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



#1

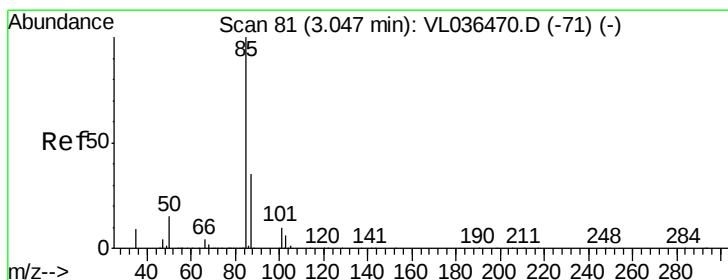
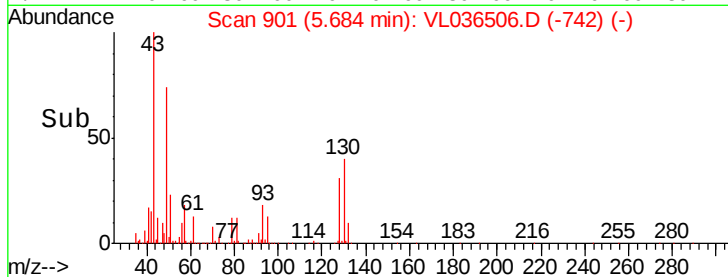
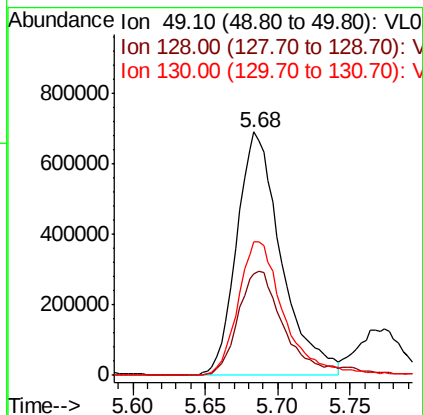
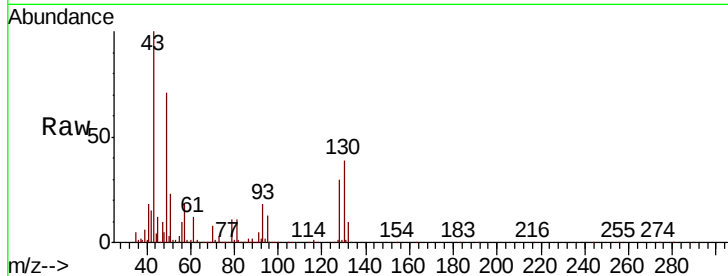
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0326ABS01

Tot Ion: 49 Resp: 1470603
 Ion Ratio Lower Upper
 49 100
 128 46.3 23.5 70.6
 130 57.6 29.1 87.4

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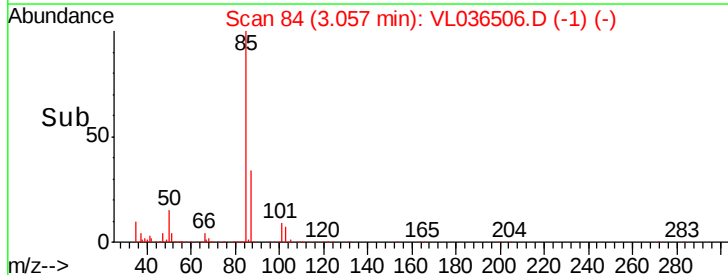
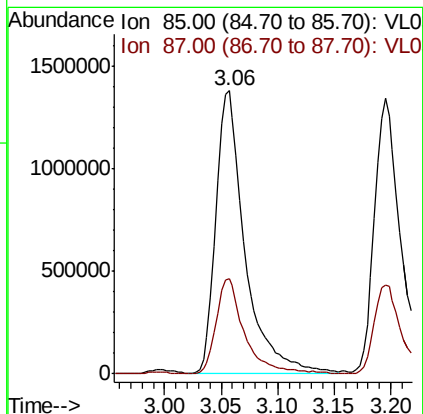
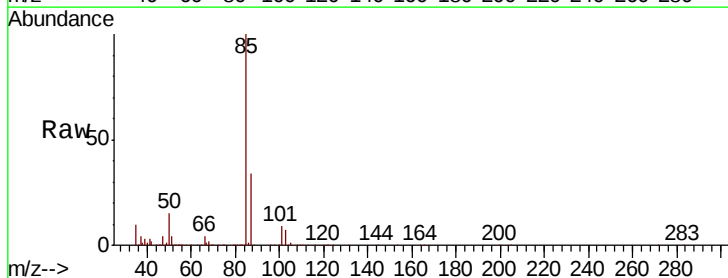
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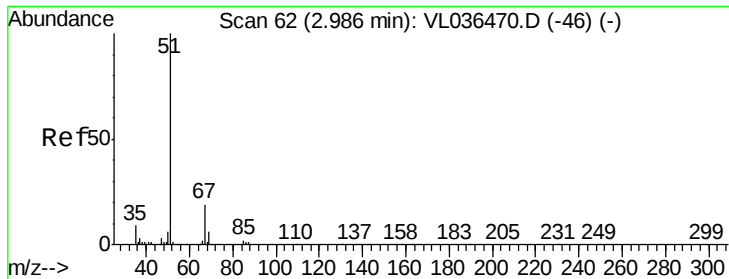


#2

Dichlorodifluoromethane
 Concen: 10.216 ppbv
 RT: 3.06 min Scan# 84
 Delta R.T. 0.01 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Tgt Ion: 85 Resp: 2450402
 Ion Ratio Lower Upper
 85 100
 87 33.8 27.8 41.8





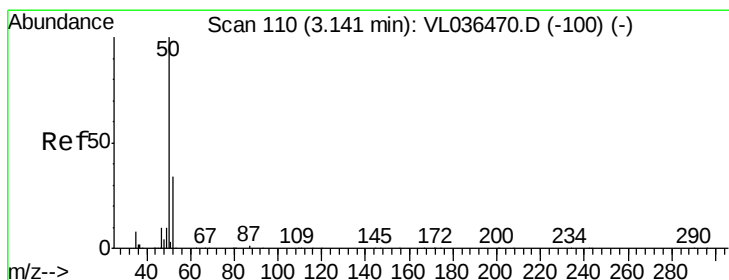
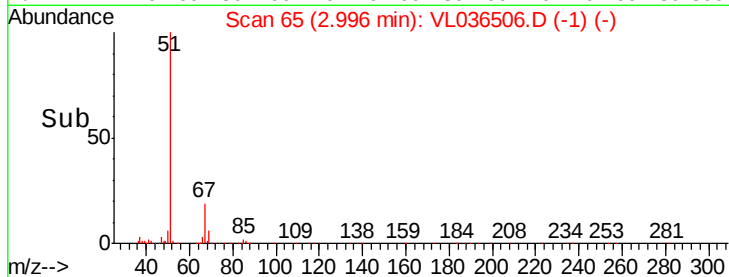
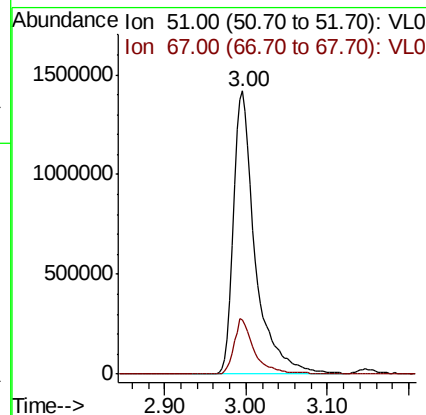
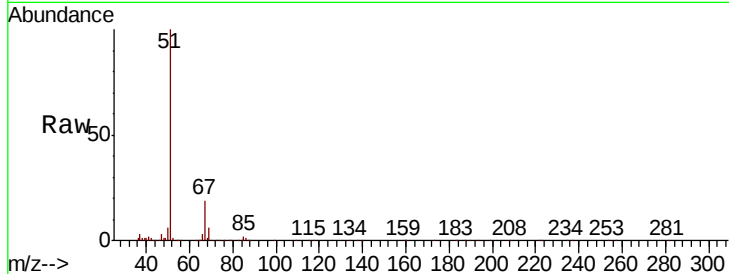
#3
Chlorodifluoromethane
Concen: 9.732 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.01 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampleId :
VL0326ABS01

Tot Ion: 51 Resp: 2673937
Ion Ratio Lower Upper
51 100
67 18.4 14.7 22.1

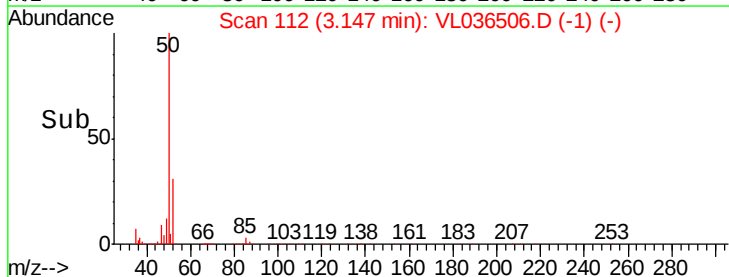
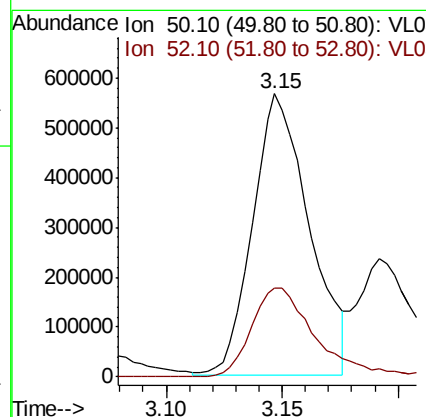
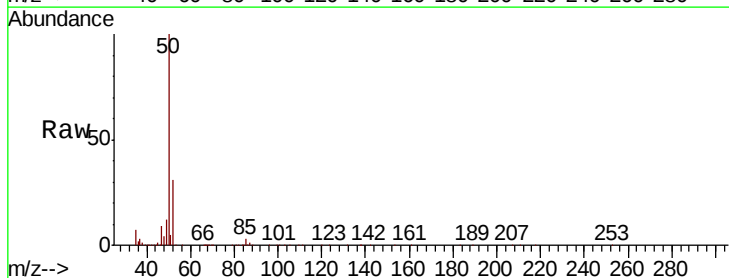
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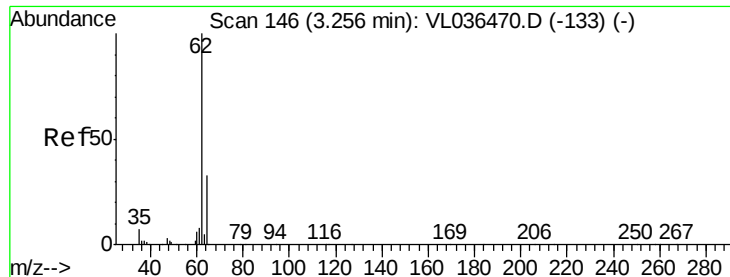
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#4
Chloromethane
Concen: 9.885 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.01 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Tgt Ion: 50 Resp: 959332
Ion Ratio Lower Upper
50 100
52 31.9 27.0 40.6





#5

Vinyl Chloride

Concen: 9.596 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

Instrument :

MSVOA_L

ClientSampleId :

VL0326ABS01

Tot Ion: 62 Resp: 957548

Ion Ratio Lower Upper

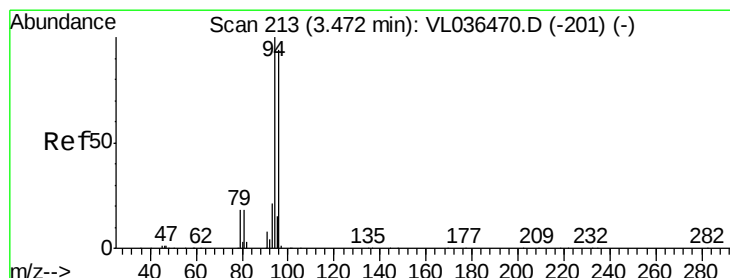
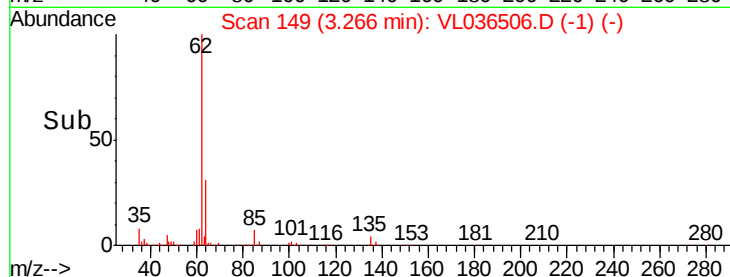
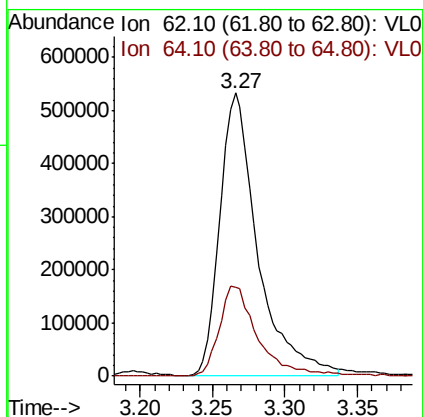
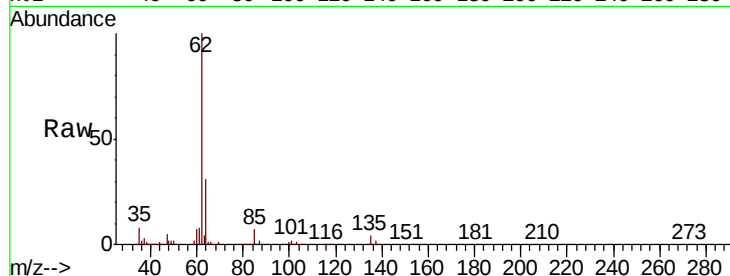
62 100

64 31.4 26.4 39.6

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#6

Bromomethane

Concen: 9.919 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036506.D

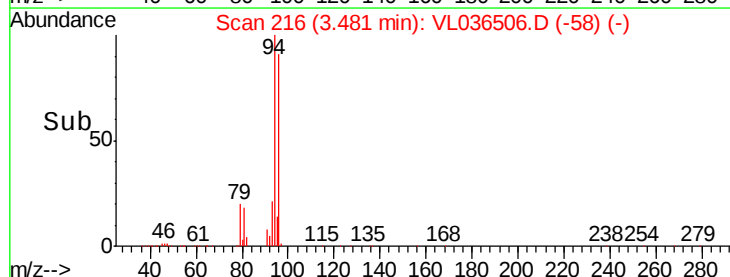
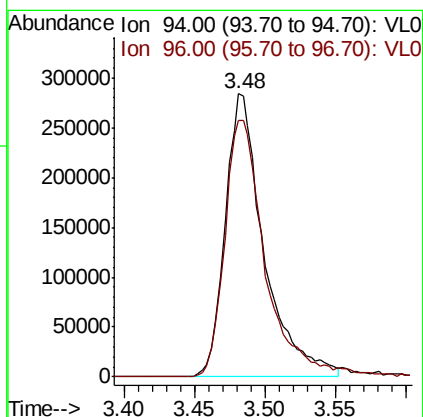
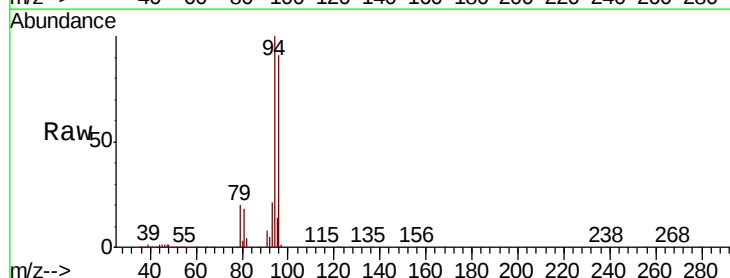
Acq: 26 Mar 2021 8:35

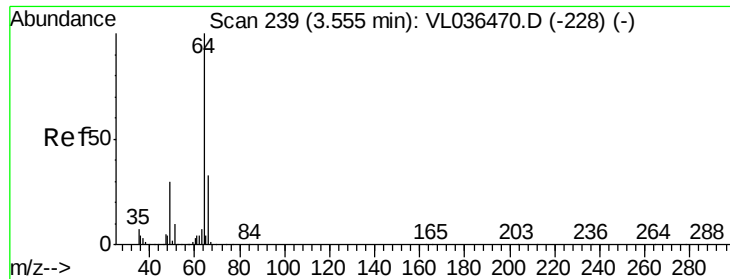
Tgt Ion: 94 Resp: 544981

Ion Ratio Lower Upper

94 100

96 90.5 74.9 112.3





#7

Chloroethane

Concen: 9.554 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

Instrument :

MSVOA_L

ClientSampleId :

VL0326ABS01

Tot Ion: 64 Resp: 327620

Ion Ratio Lower Upper

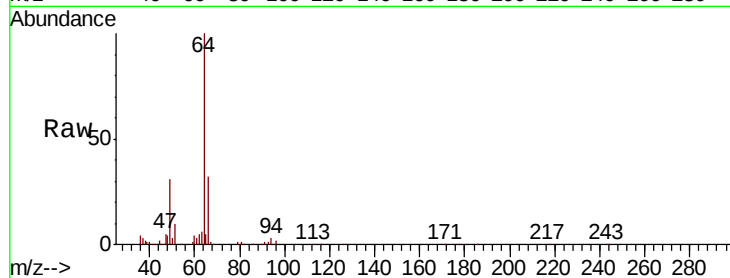
64 100

66 32.0 26.2 39.2

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

200000

150000

100000

50000

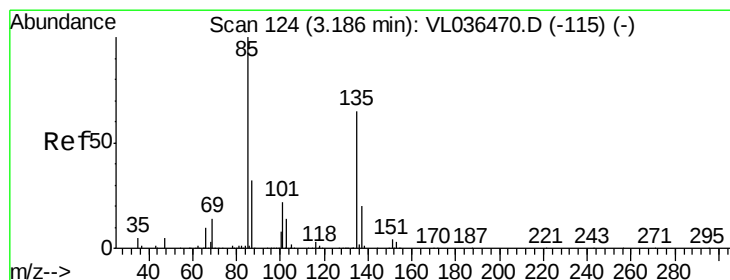
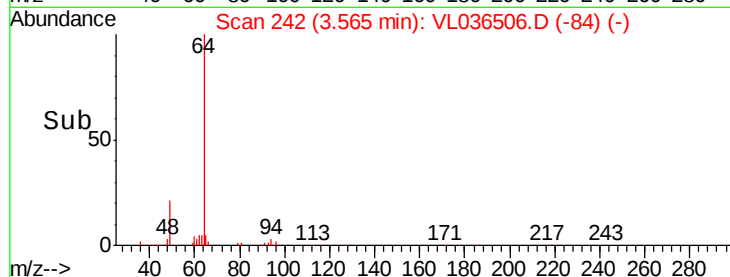
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.901 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036506.D

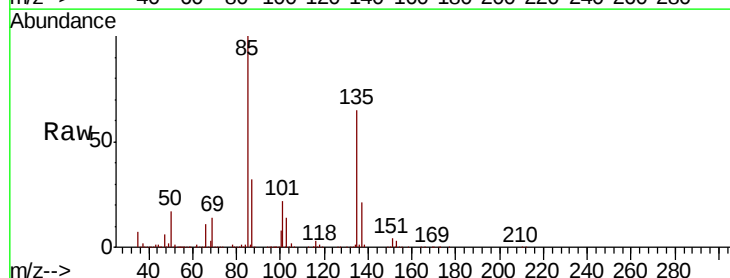
Acq: 26 Mar 2021 8:35

Tgt Ion: 85 Resp: 2266679

Ion Ratio Lower Upper

85 100

135 67.8 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

500000

0

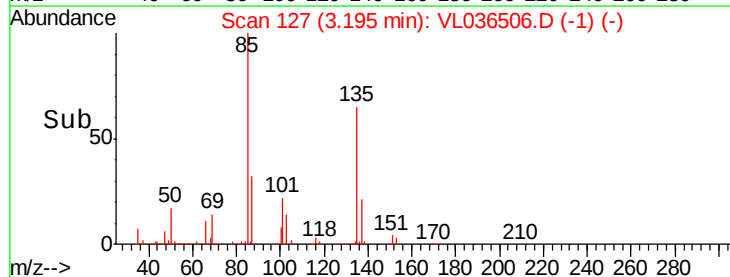
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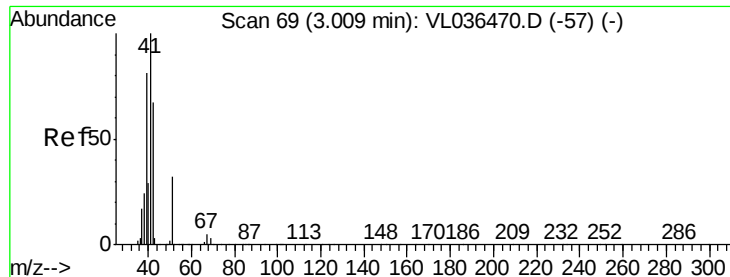
3.20

3.25

3.30

Time-->





#9

Propene

Concen: 10.392 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

Instrument :

MSVOA_L

ClientSampleId :

VL0326ABS01

Tot Ion: 41 Resp: 910275

Ion Ratio Lower Upper

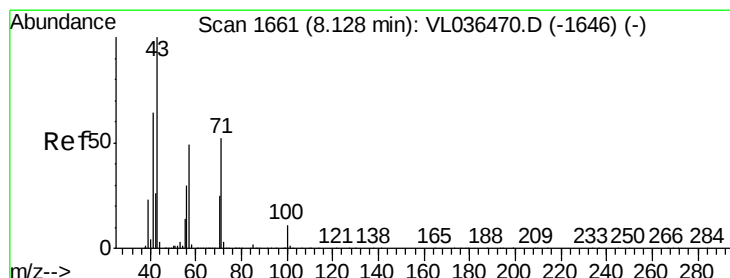
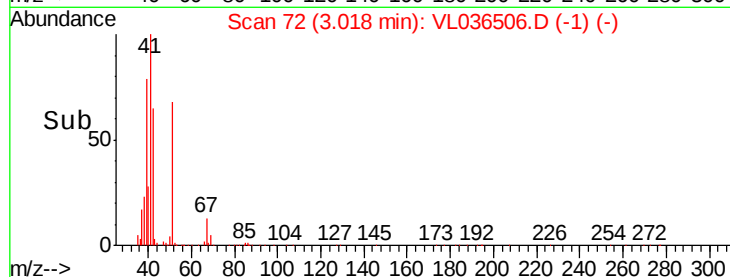
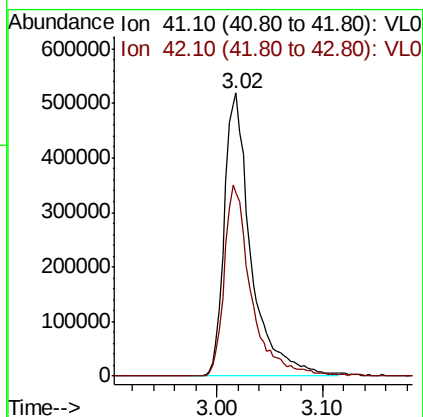
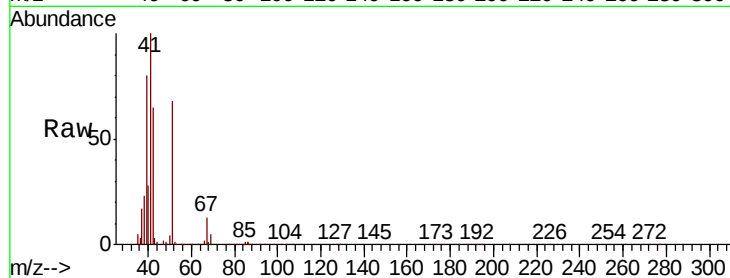
41 100

42 68.6 57.0 85.4

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#10

Heptane

Concen: 10.285 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.02 min

Lab File: VL036506.D

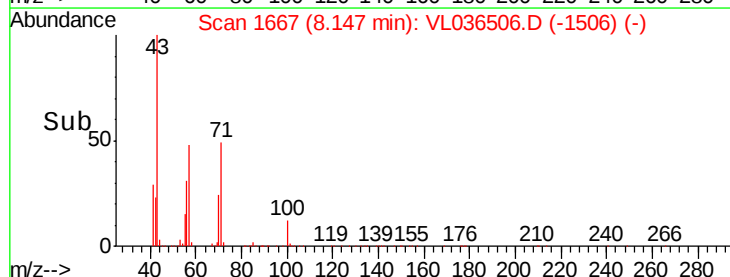
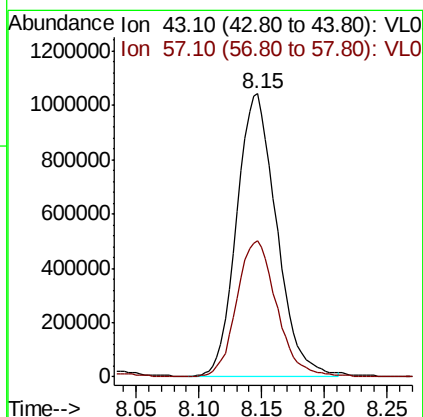
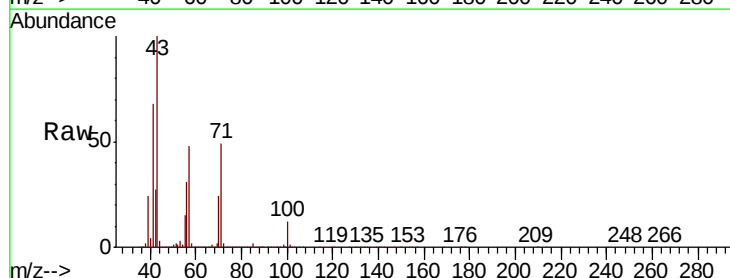
Acq: 26 Mar 2021 8:35

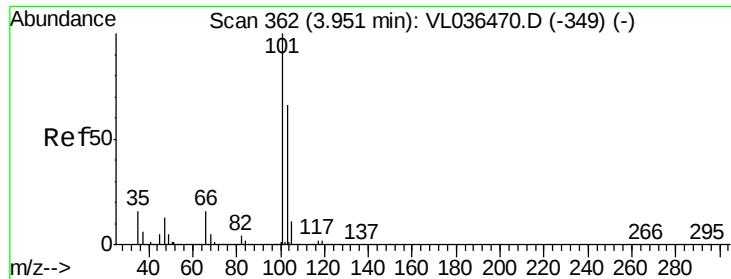
Tgt Ion: 43 Resp: 2294976

Ion Ratio Lower Upper

43 100

57 48.8 39.0 58.6





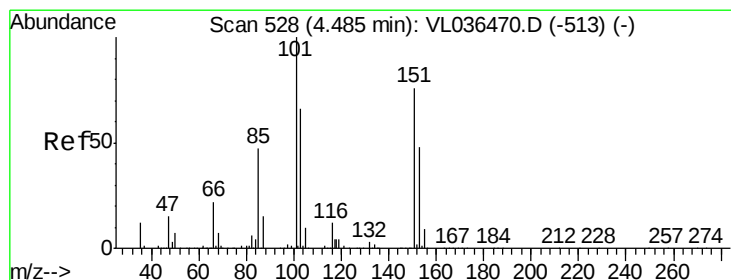
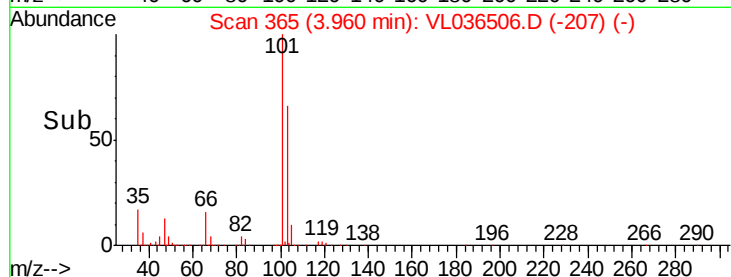
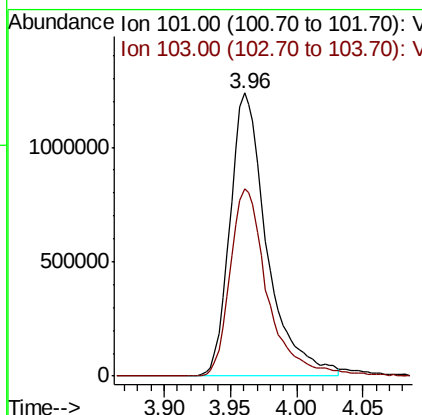
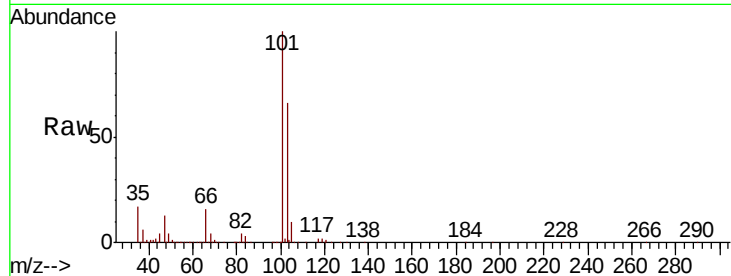
#11
 Trichlorofluoromethane
 Concen: 9.816 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0326ABS01

Tot Ion:101 Resp: 2399390
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.5 78.7

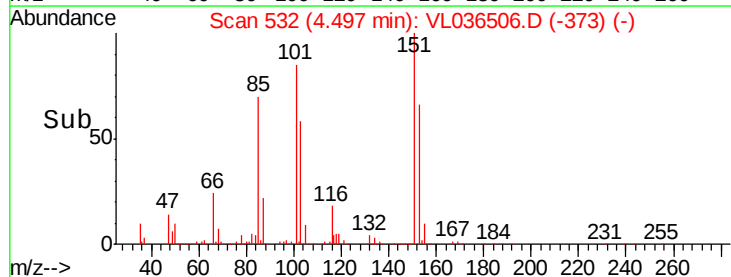
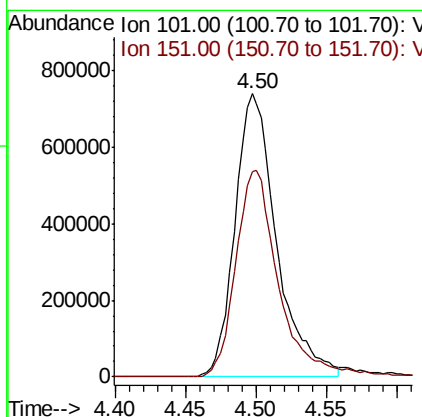
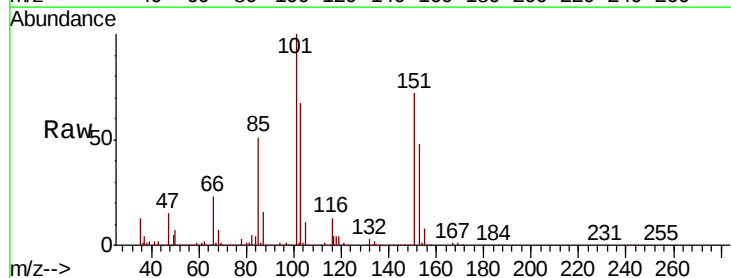
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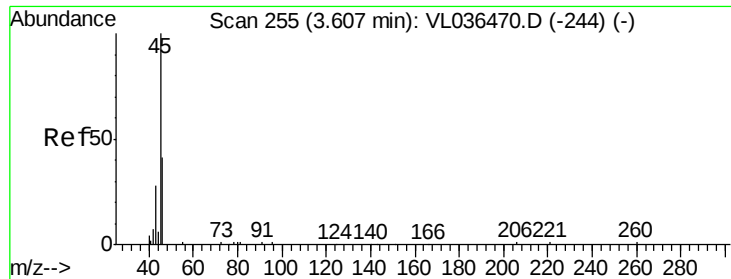
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.777 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Tgt Ion:101 Resp: 1528032
 Ion Ratio Lower Upper
 101 100
 151 75.5 60.9 91.3





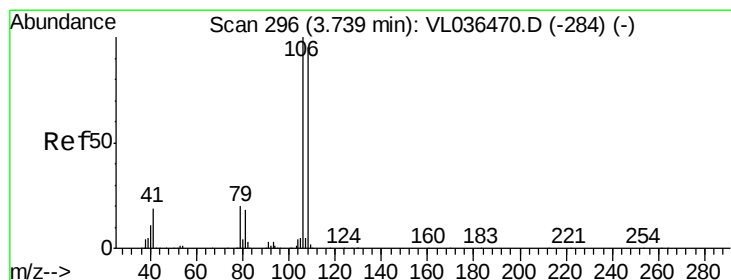
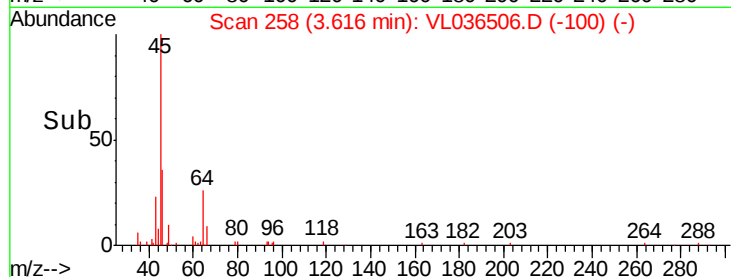
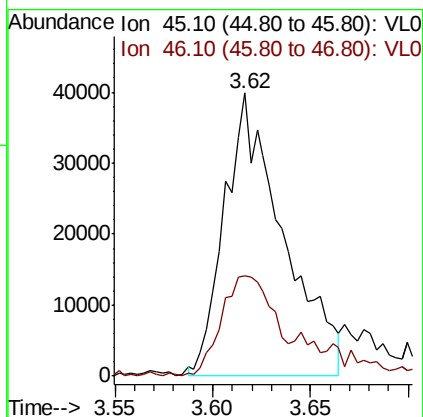
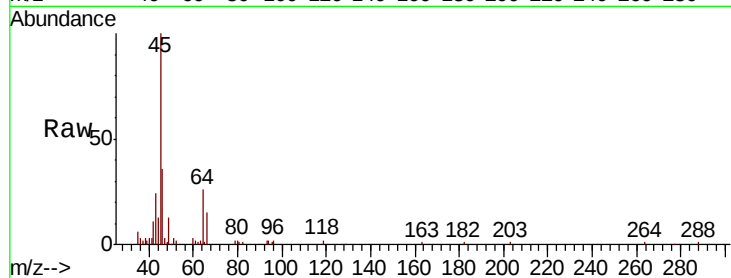
#13
Ethanol
Concen: 7.977 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampleId :
VL0326ABS01

Tot Ion	45	Resp	83205
Ion Ratio	100	Lower	Upper
46	46.2	16.6	66.2

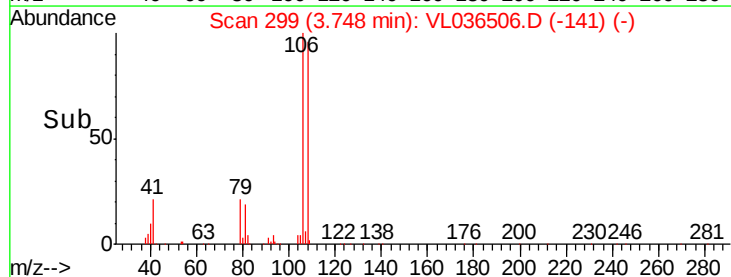
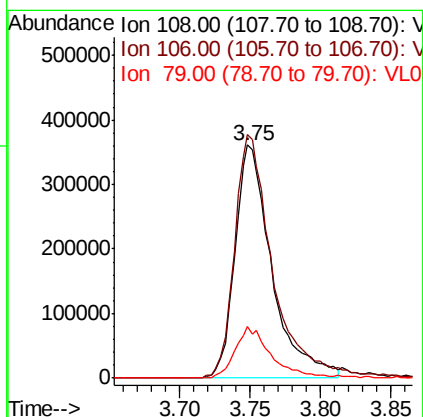
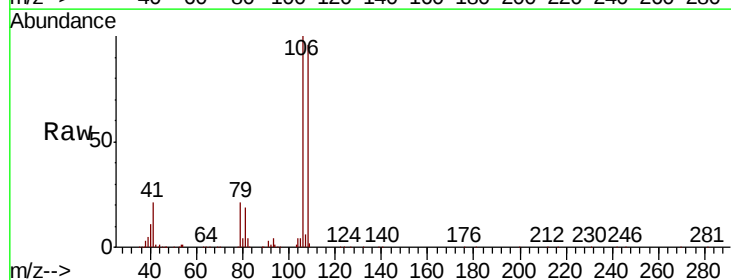
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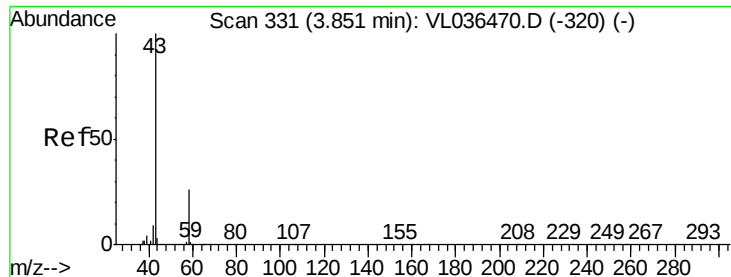
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#14
Bromoethene
Concen: 10.180 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.01 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Tgt Ion	108	Resp	661414
Ion Ratio	100	Lower	Upper
106	110.1	89.0	133.6
79	22.6	16.6	25.0





#15

Acetone

Concen: 8.953 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

Instrument :

MSVOA_L

ClientSampleId :

VL0326ABS01

Tot Ion: 43 Resp: 1295875

Ion Ratio Lower Upper

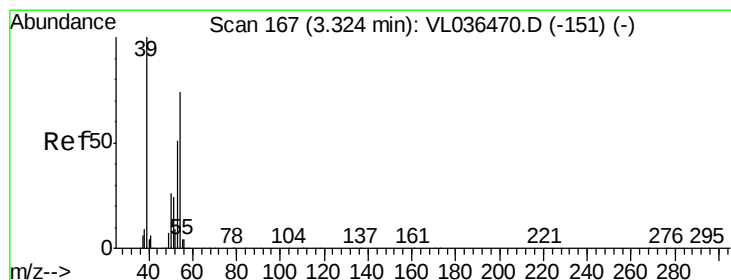
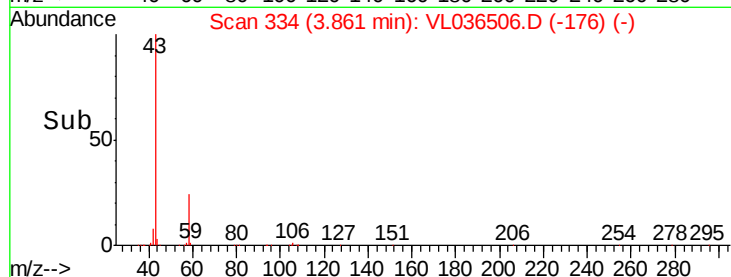
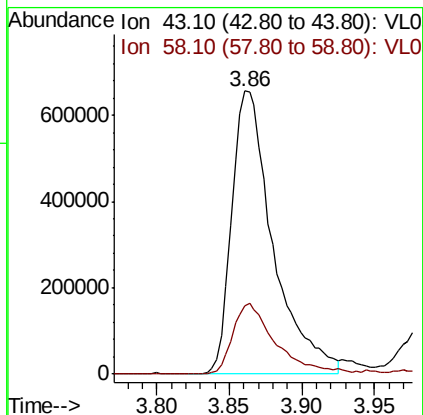
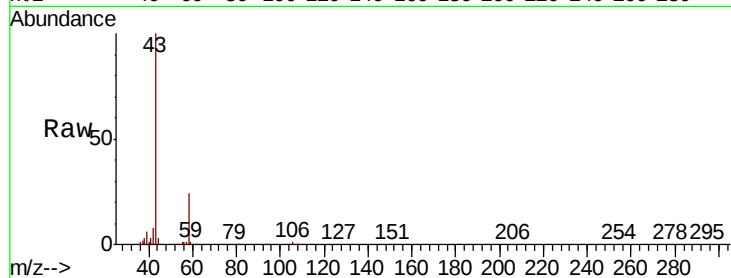
43 100

58 26.7 21.2 31.8

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#16

1,3-Butadiene

Concen: 9.711 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.01 min

Lab File: VL036506.D

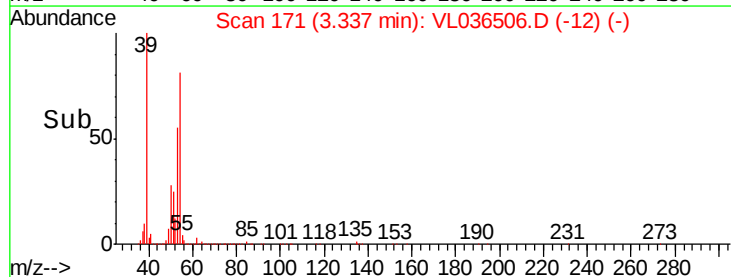
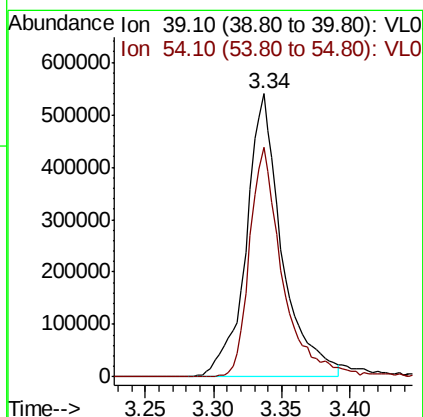
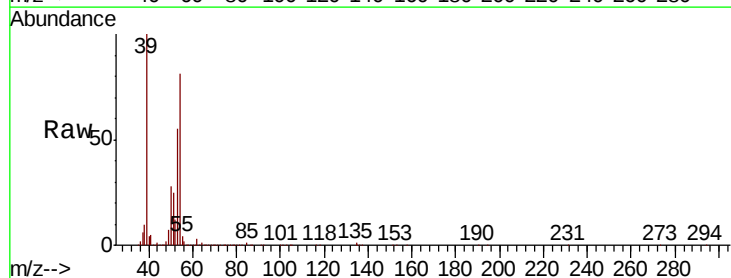
Acq: 26 Mar 2021 8:35

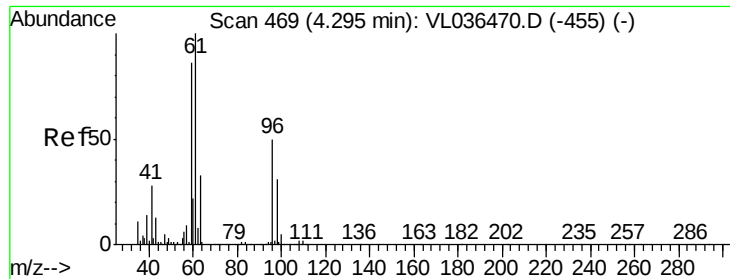
Tgt Ion: 39 Resp: 978565

Ion Ratio Lower Upper

39 100

54 76.4 58.8 88.2





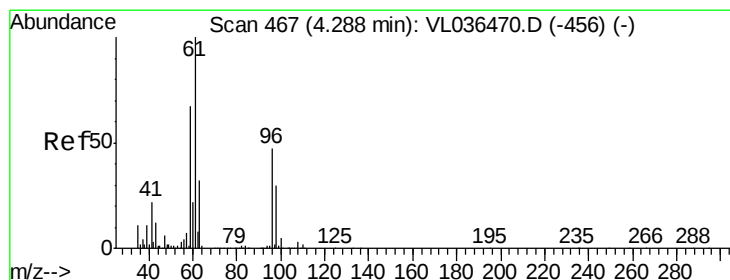
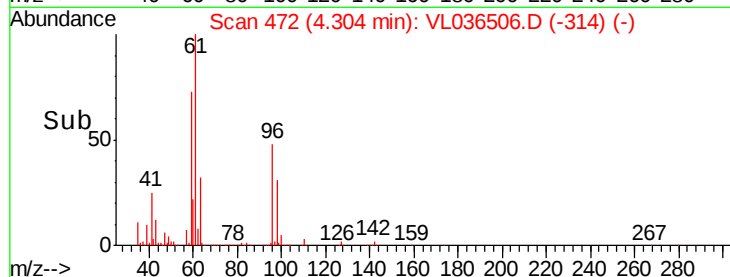
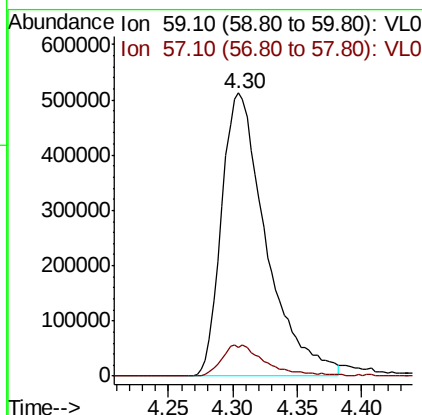
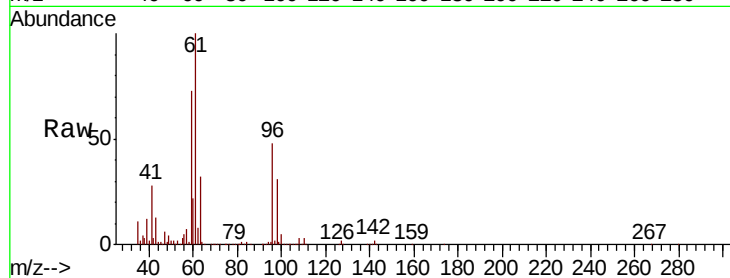
#17
tert-Butyl alcohol
Concen: 9.769 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampleId :
VL0326ABS01

Tot Ion: 59 Resp: 1230845
Ion Ratio Lower Upper
59 100
57 11.0 8.6 12.8

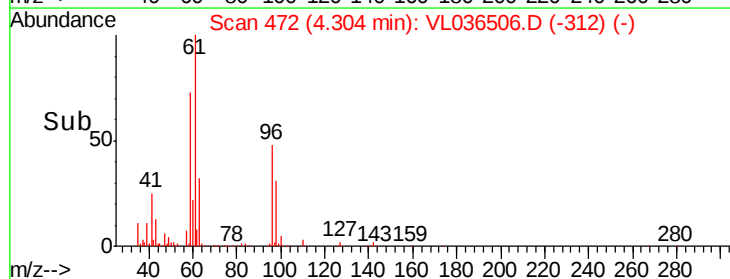
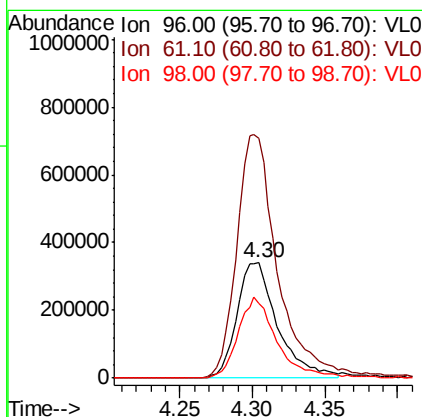
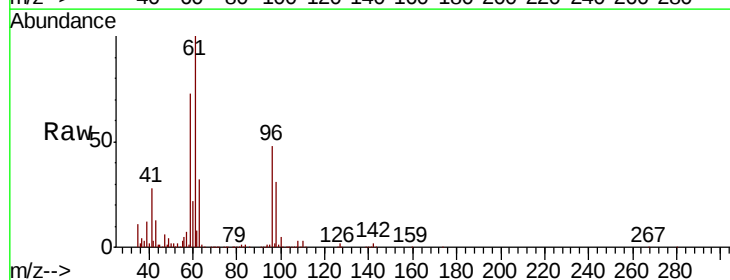
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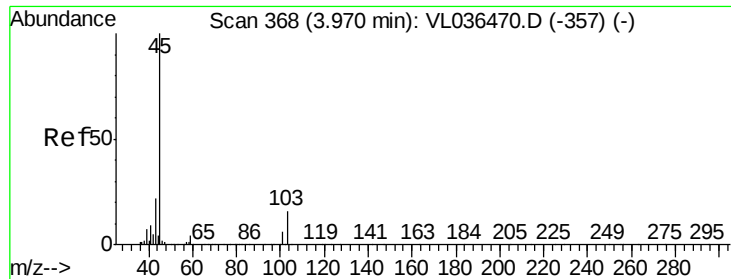
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#18
1,1-Dichloroethene
Concen: 9.546 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Tgt Ion: 96 Resp: 663578
Ion Ratio Lower Upper
96 100
61 207.5 168.6 253.0
98 65.1 50.8 76.2





#19

Isopropyl Alcohol

Concen: 8.299 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

Instrument :

MSVOA_L

ClientSampleId :

VL0326ABS01

Tot Ion: 45 Resp: 660799

Ion Ratio Lower Upper

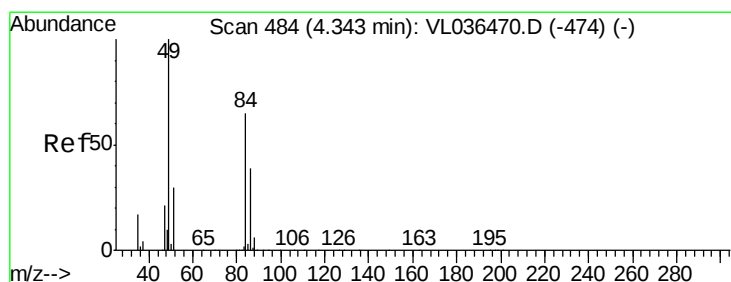
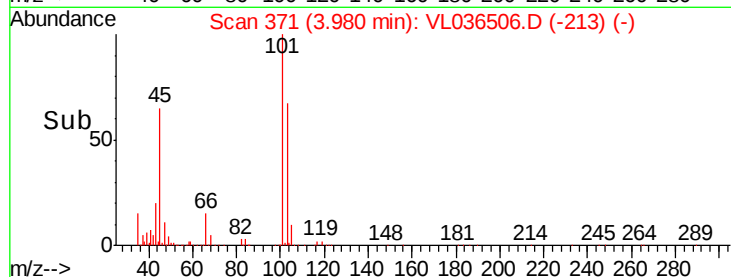
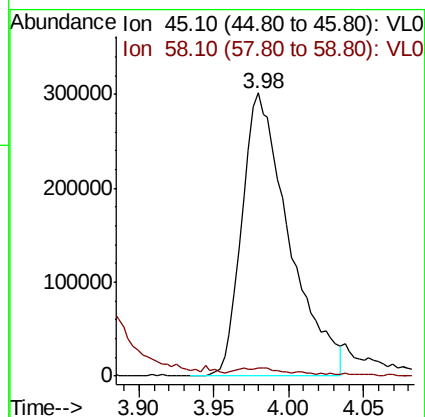
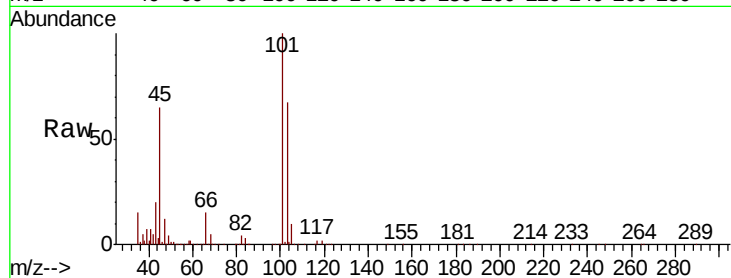
45 100

58 4.8 2.9 4.3#

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#20

Methylene Chloride

Concen: 8.504 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

Tgt Ion: 84 Resp: 576274

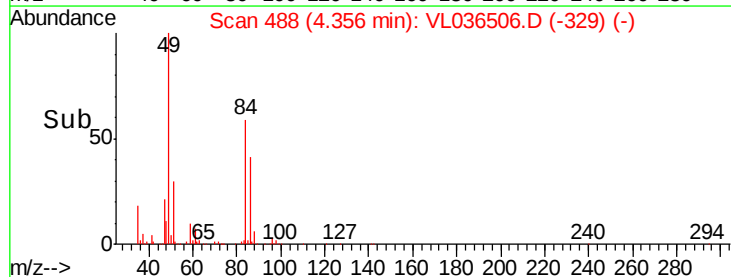
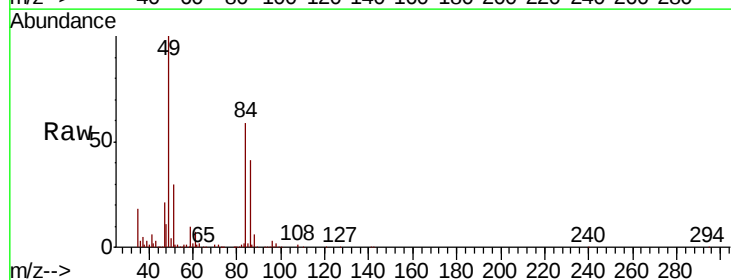
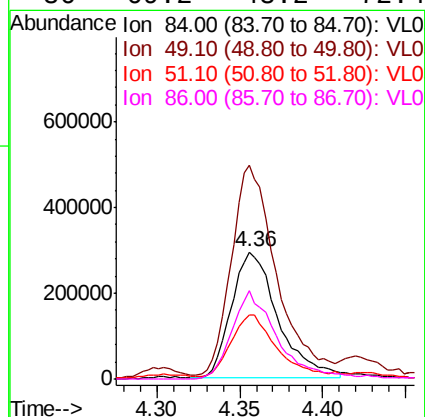
Ion Ratio Lower Upper

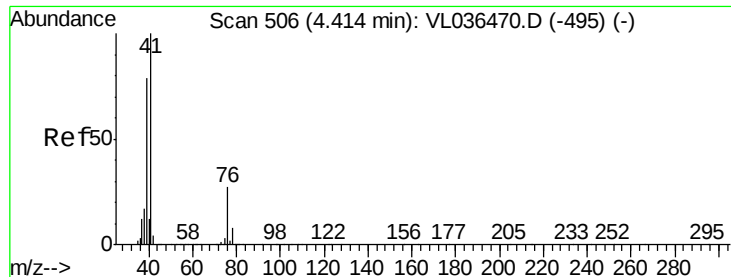
84 100

49 166.0 122.9 184.3

51 48.5 36.9 55.3

86 69.2 48.2 72.4





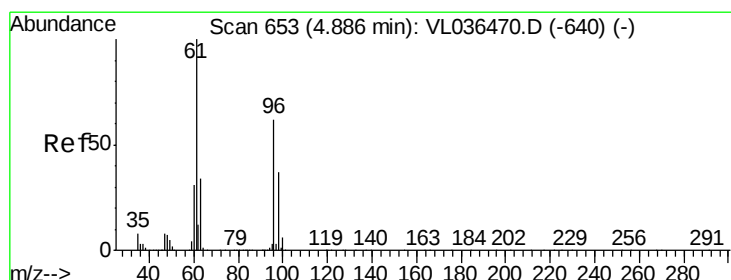
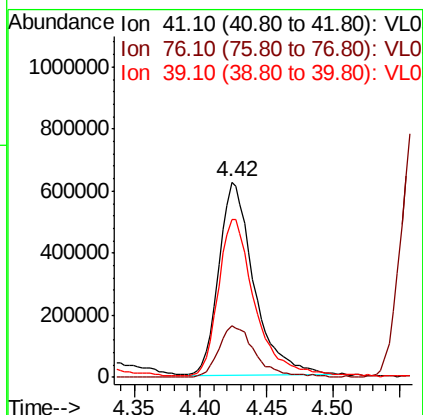
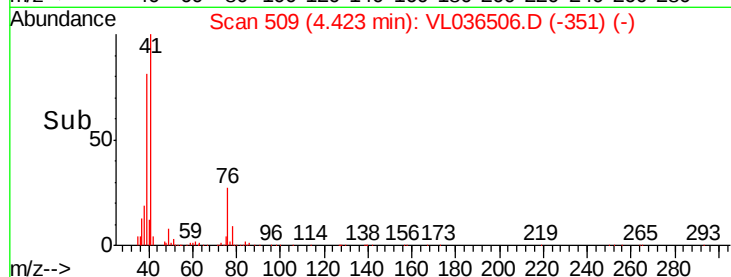
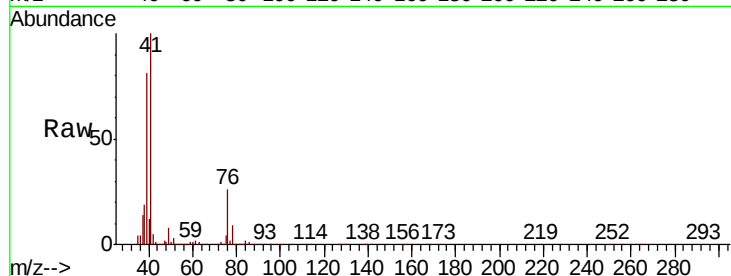
#21
Allvl Chloride
Concen: 9.958 ppbv
RT: 4.42 min Scan# 509
Delta R.T. 0.01 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampled :
VL0326ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.2	22.9	34.3
39	85.4	67.3	100.9

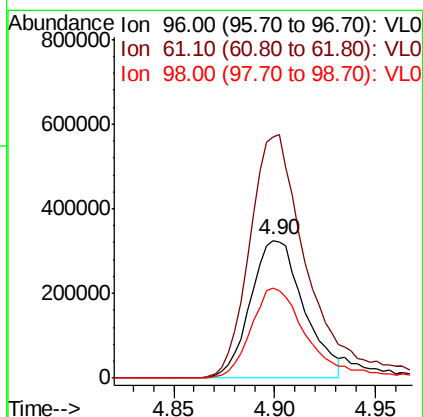
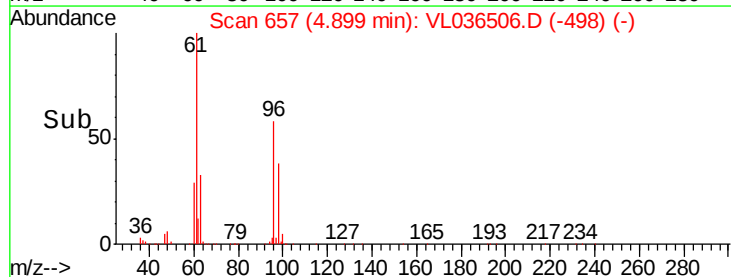
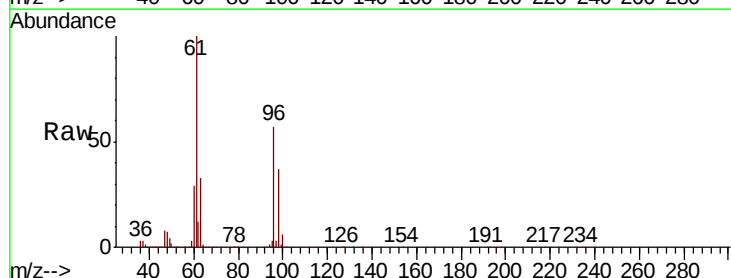
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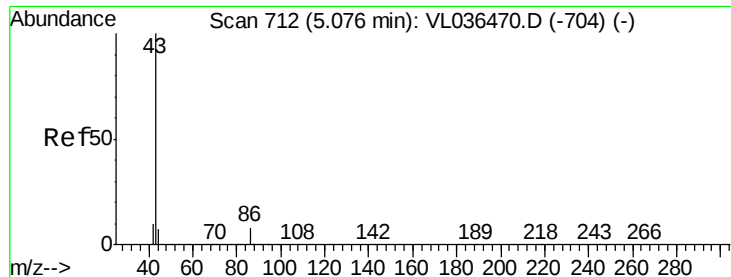
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#22
trans-1,2-Dichloroethene
Concen: 9.301 ppbv
RT: 4.90 min Scan# 657
Delta R.T. 0.01 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.6	129.4	194.0
98	65.0	48.2	72.4





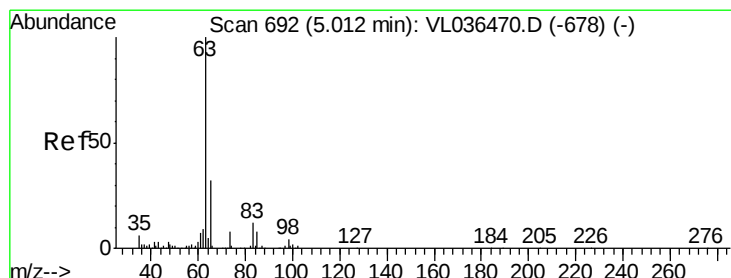
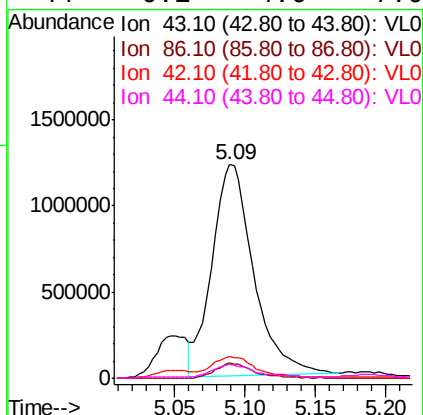
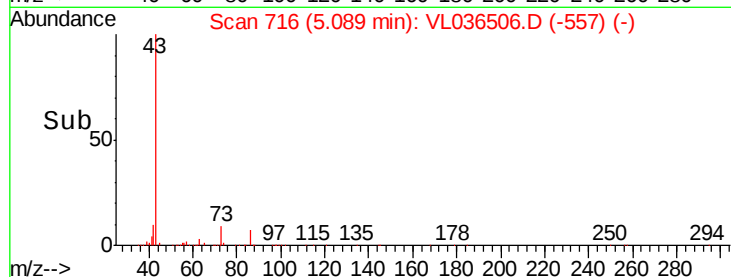
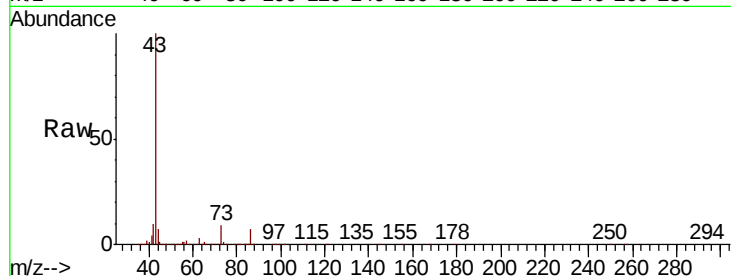
#23
 Vinyl Acetate
 Concen: 10.152 ppbv
 RT: 5.09 min Scan# 716
 Delta R.T. 0.01 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0326ABS01

Tot Ion	43	Resp	2513478
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.4	8.0
42	10.2	8.5	12.7
44	6.1	4.6	7.0

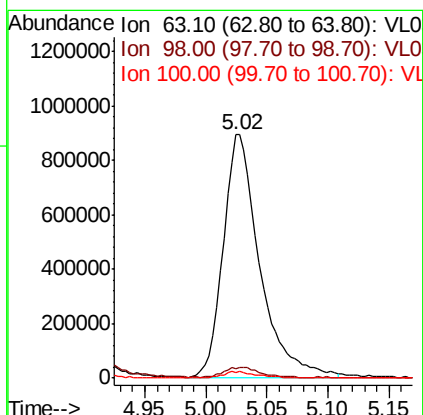
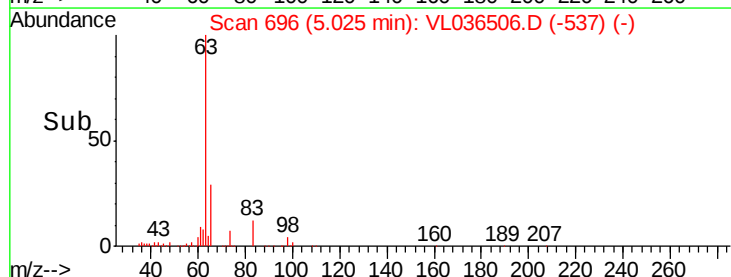
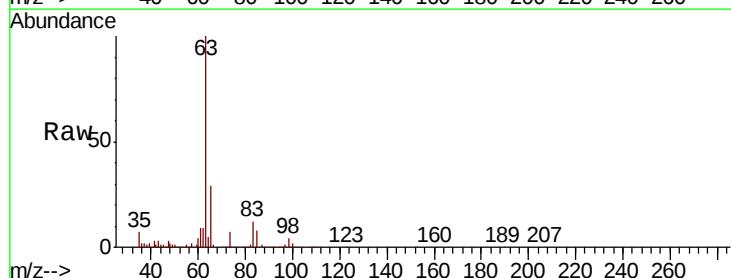
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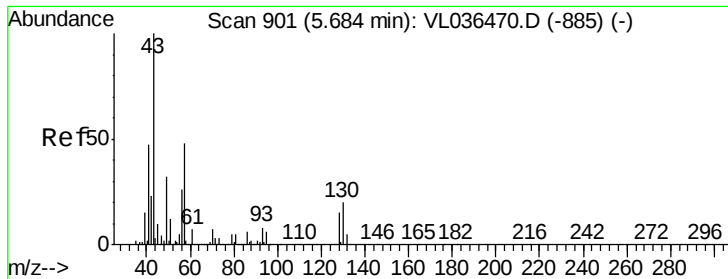
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#24
 1,1-Dichloroethane
 Concen: 10.292 ppbv
 RT: 5.02 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Tgt Ion	63	Resp	1857378
Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.1	6.2
100	2.3	0.9	2.8





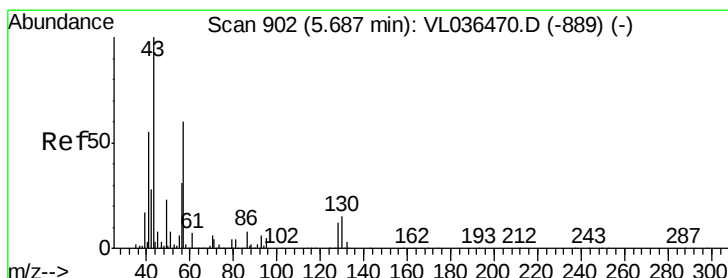
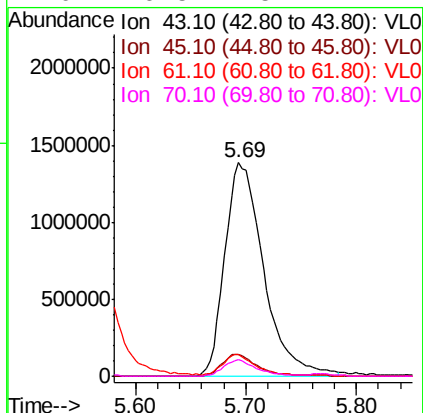
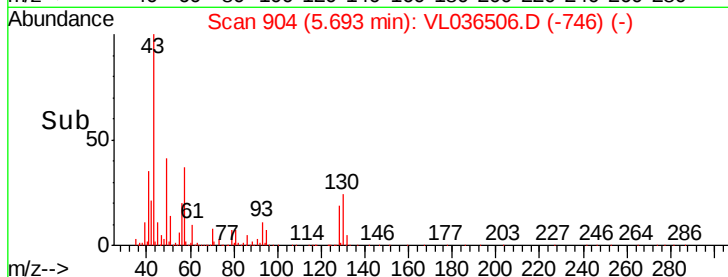
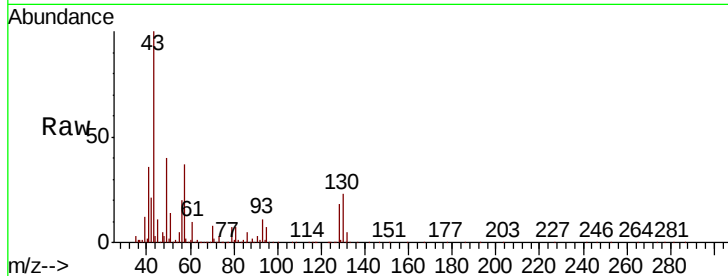
#25
Ethyl Acetate
Concen: 9.843 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampleId :
VL0326ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.9	11.9
61	9.1	7.4	11.2
70	6.5	5.1	7.7

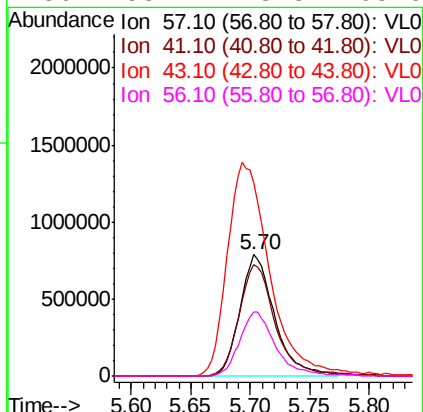
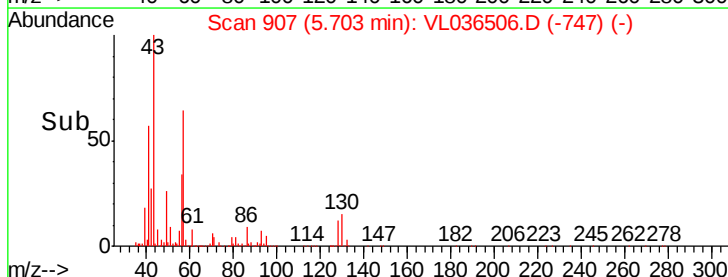
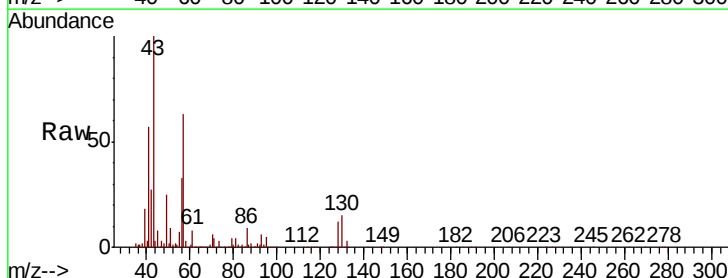
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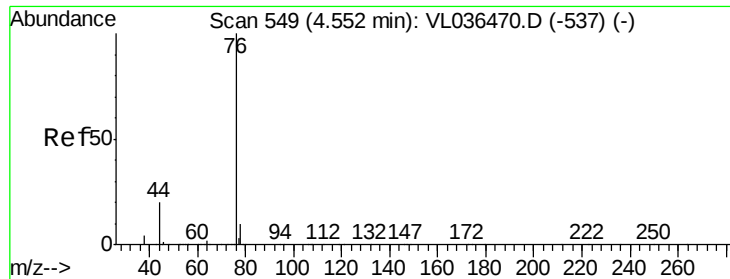
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#26
Hexane
Concen: 9.934 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Tgt Ion	Ratio	Lower	Upper
57	100		
41	97.1	77.2	115.8
43	216.7	173.8	260.6
56	55.2	43.8	65.6





#27

Carbon Disulfide

Concen: 10.806 ppbv

RT: 4.56 min Scan# 553

Delta R.T. 0.01 min

Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

Instrument :

MSVOA_L

ClientSampleId :

VL0326ABS01

Tot Ion: 76 Resp: 1699849

Ion Ratio Lower Upper

76 100

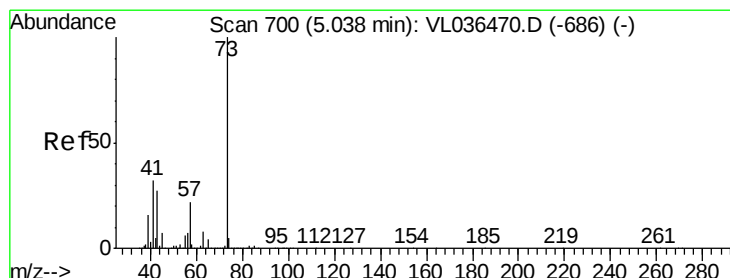
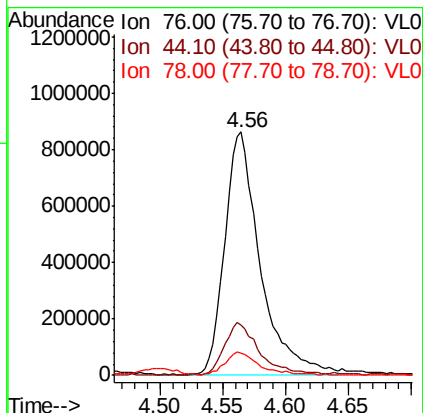
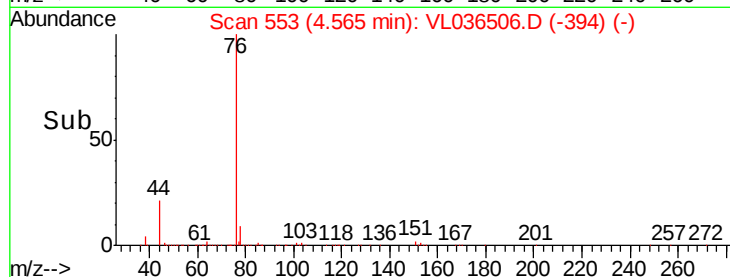
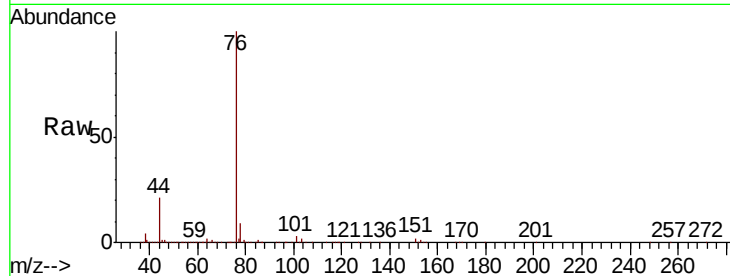
44 21.7 17.5 26.3

78 9.5 8.6 13.0

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#28

Methyl tert-Butyl Ether

Concen: 10.143 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.01 min

Lab File: VL036506.D

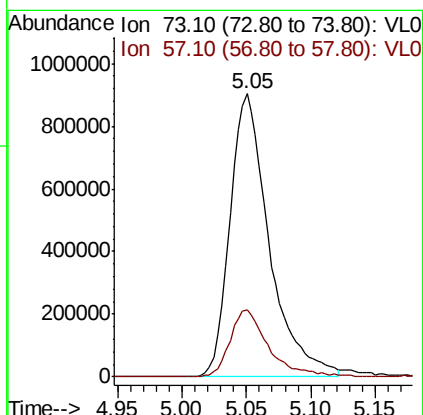
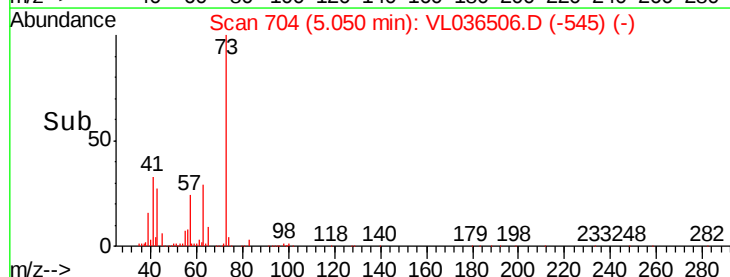
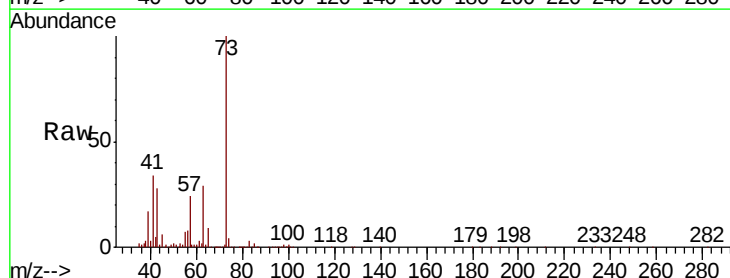
Acq: 26 Mar 2021 8:35

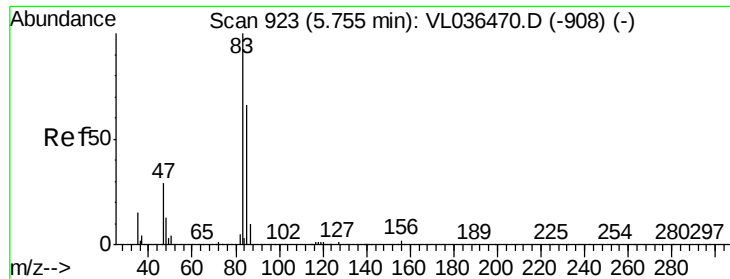
Tgt Ion: 73 Resp: 1910184

Ion Ratio Lower Upper

73 100

57 23.6 18.5 27.7





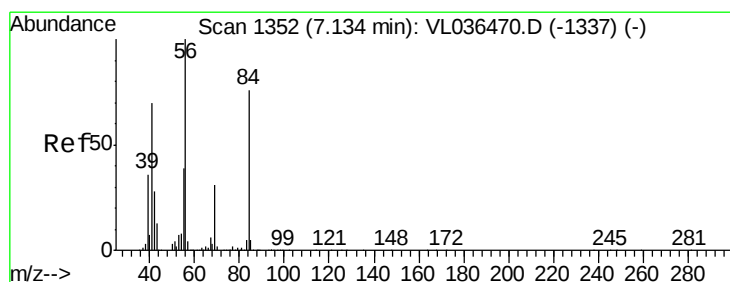
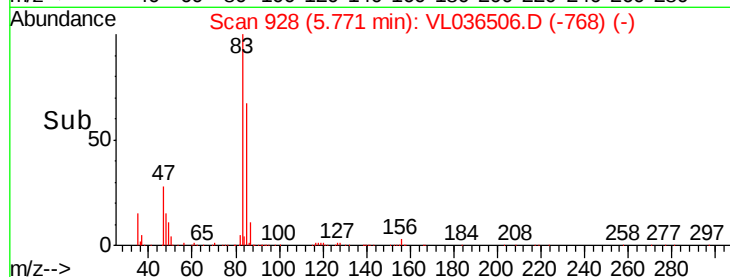
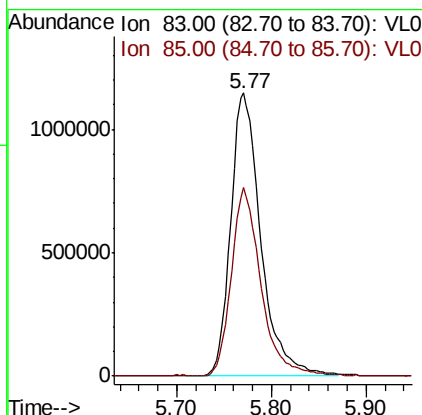
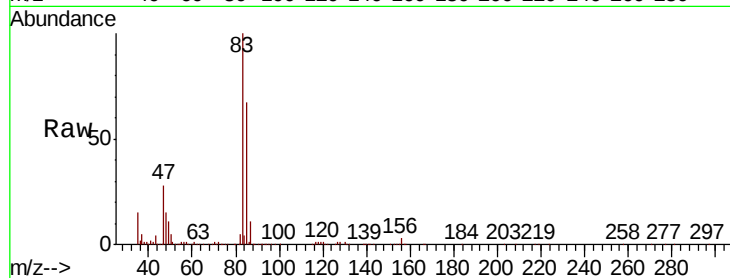
#29
Chloroform
Concen: 9.963 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampleId :
VL0326ABS01

Tot Ion: 83 Resp: 2544421
Ion Ratio Lower Upper
83 100
85 66.3 52.6 78.8

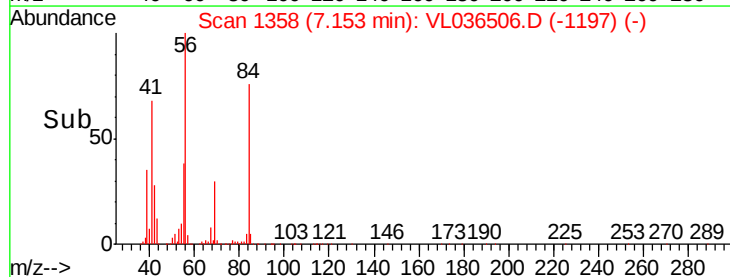
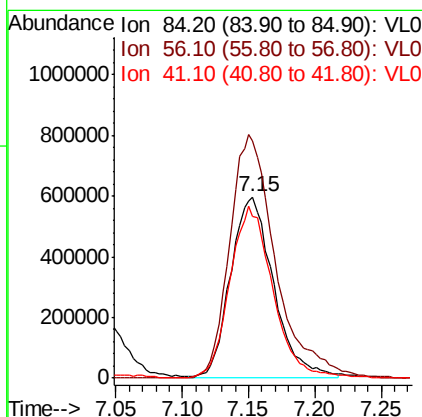
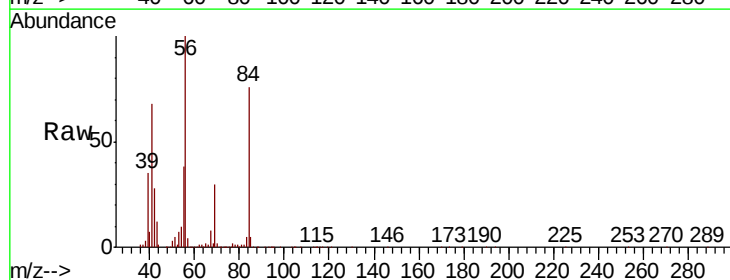
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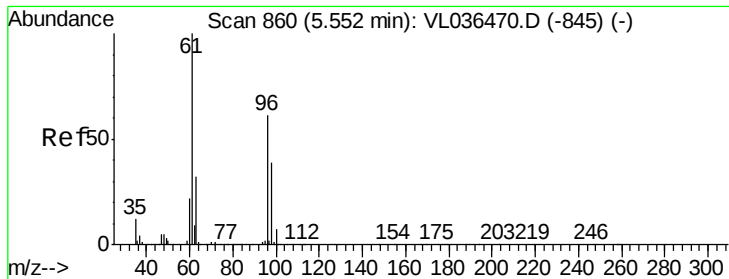
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#30
Cyclohexane
Concen: 10.381 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Tgt Ion: 84 Resp: 1344411
Ion Ratio Lower Upper
84 100
56 144.7 114.6 171.8
41 94.7 75.3 112.9





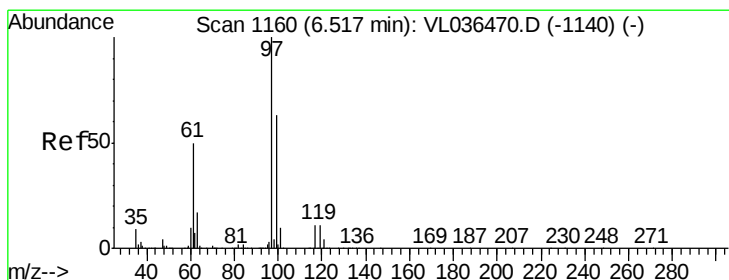
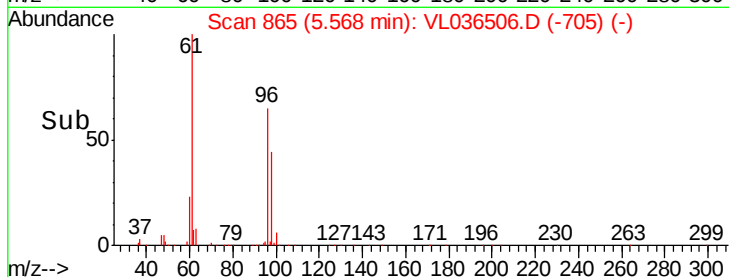
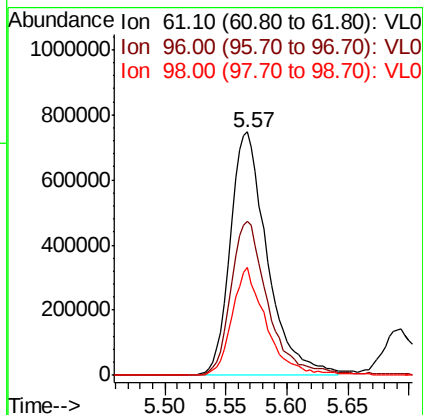
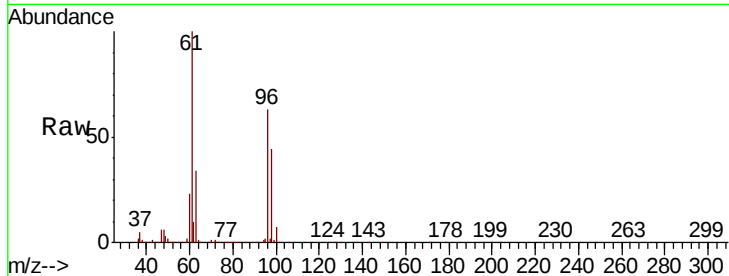
#31
 cis-1,2-Dichloroethene
 Concen: 10.190 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. 0.02 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0326ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.4	48.7	73.1
98	44.3	31.4	47.0

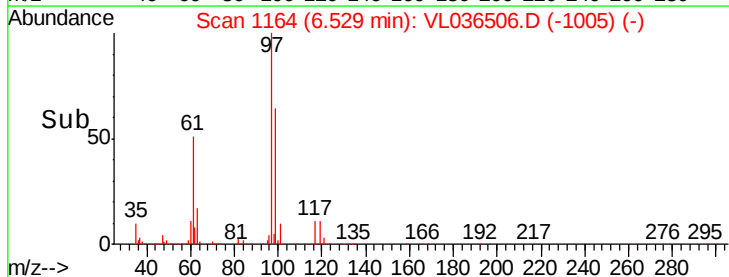
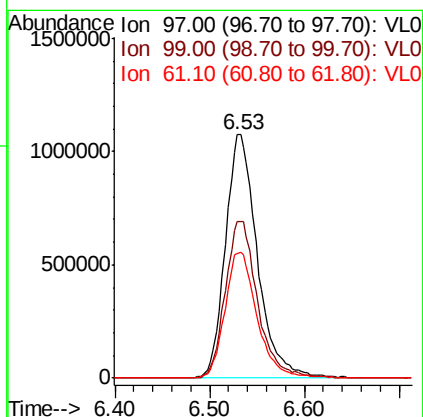
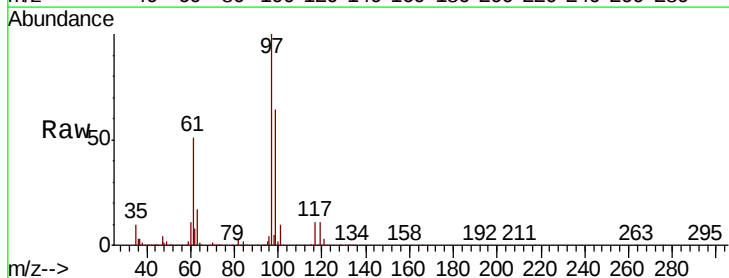
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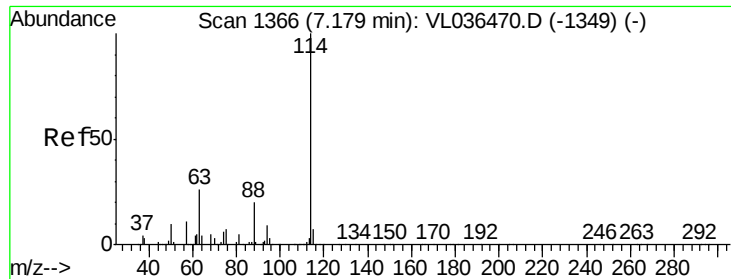
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#32
 1,1,1-Trichloroethane
 Concen: 9.804 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. 0.01 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.0
61	52.1	40.6	60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. 0.02 min

Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

Instrument :

MSVOA_L

ClientSampleId :

VL0326ABS01

Tot Ion:114 Resp: 3570299

Ion Ratio Lower Upper

114 100

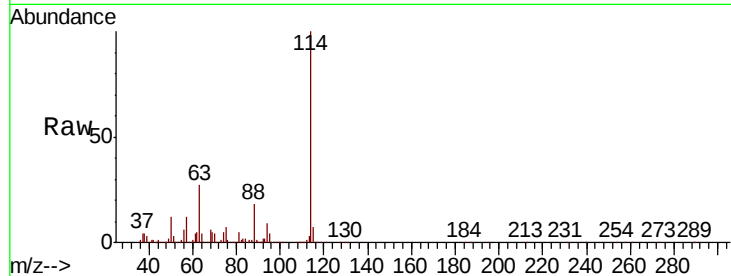
63 28.2 22.4 33.6

88 19.0 15.4 23.0

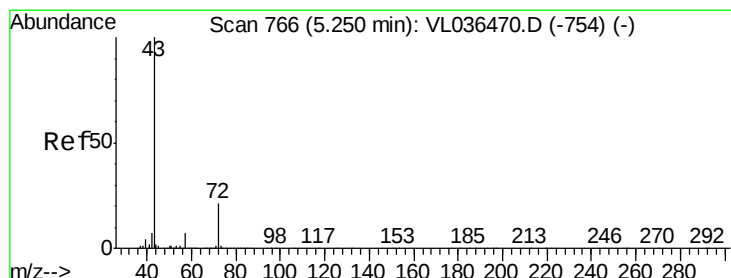
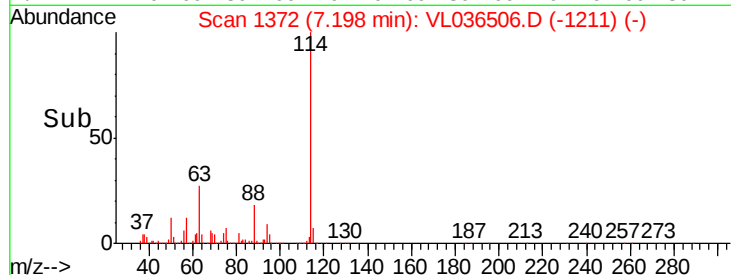
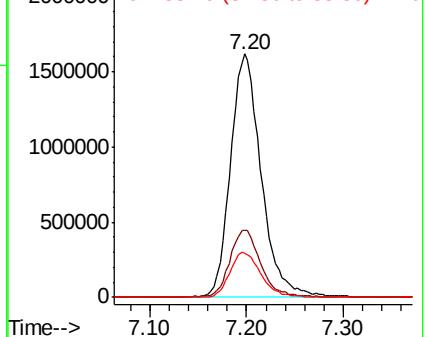
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Abundance Ion 114.10 (113.80 to 114.80): VL0
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.765 ppbv

RT: 5.26 min Scan# 770

Delta R.T. 0.01 min

Lab File: VL036506.D

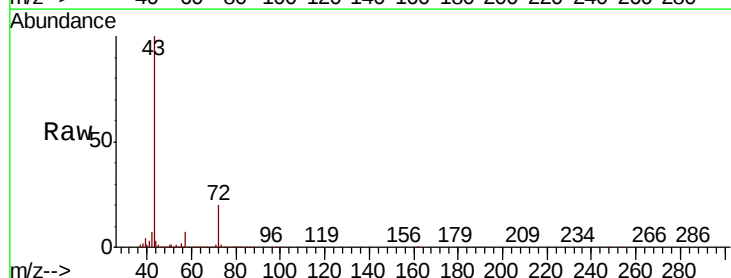
Acq: 26 Mar 2021 8:35

Tgt Ion: 43 Resp: 1701806

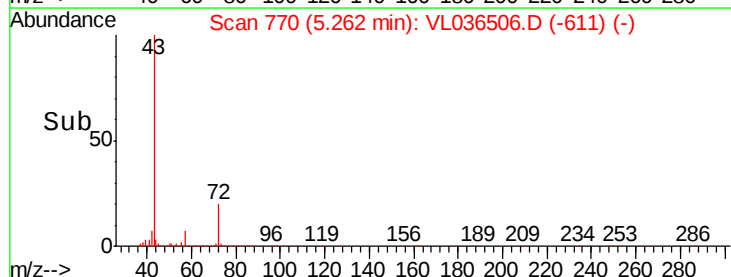
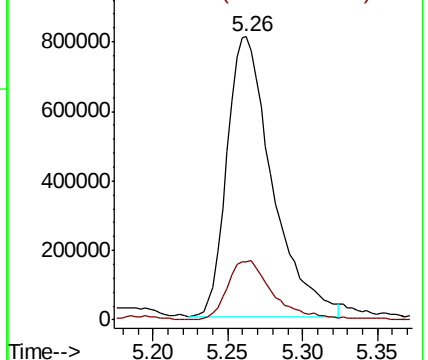
Ion Ratio Lower Upper

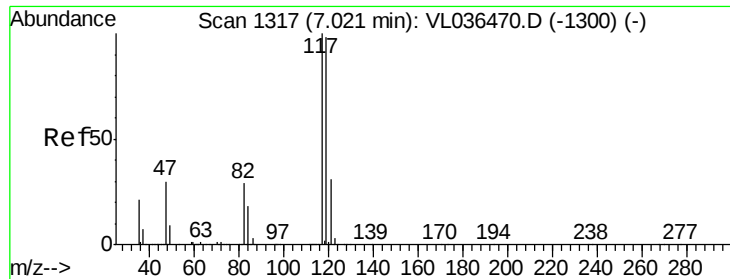
43 100

72 21.7 17.0 25.6



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





#35

Carbon Tetrachloride

Concen: 9.683 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.02 min

Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

Instrument :

MSVOA_L

ClientSampleId :

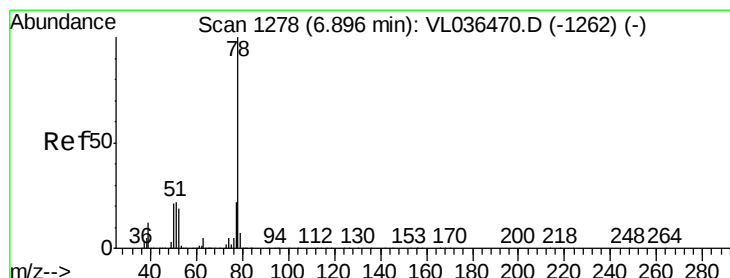
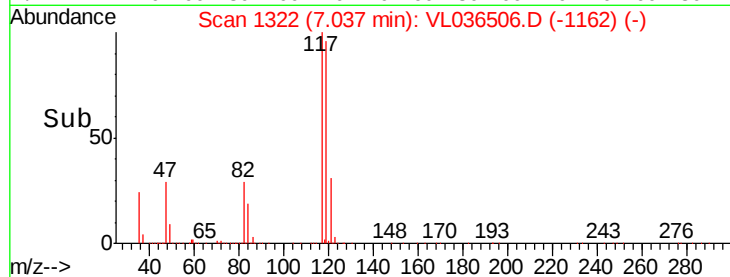
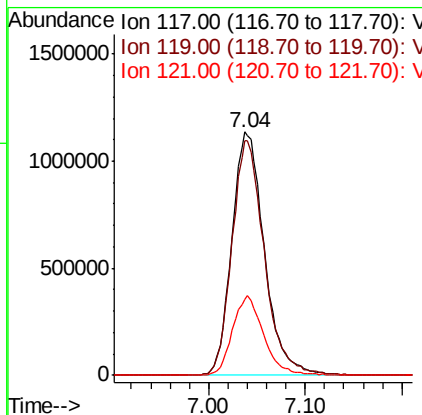
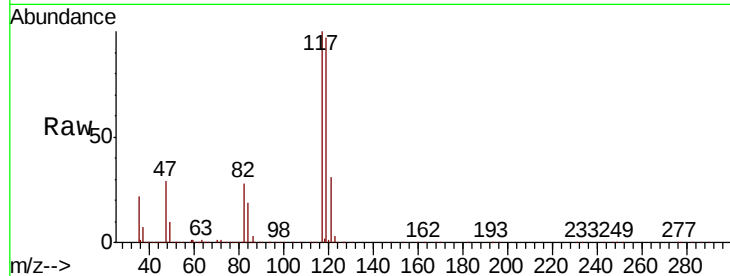
VL0326ABS01

Tot Ion:117 Resp: 2655366

Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.2	117.2
121	31.1	24.5	36.7

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#36

Benzene

Concen: 9.933 ppbv

RT: 6.91 min Scan# 1283

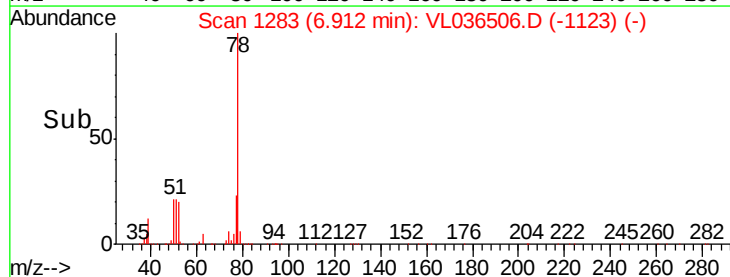
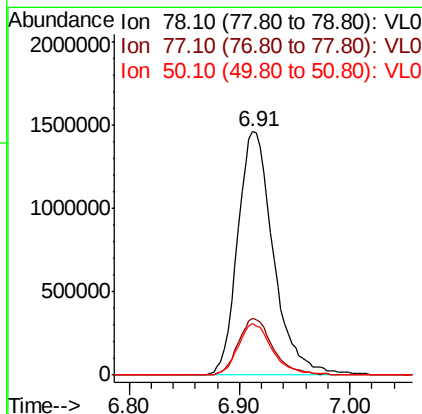
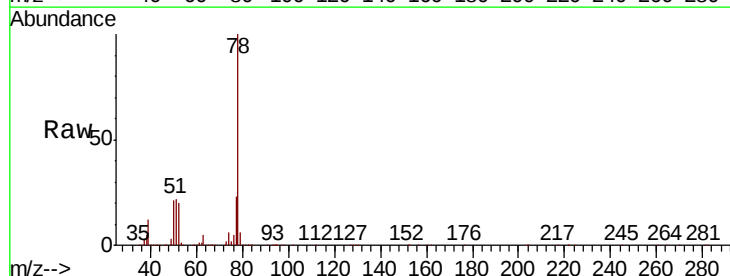
Delta R.T. 0.02 min

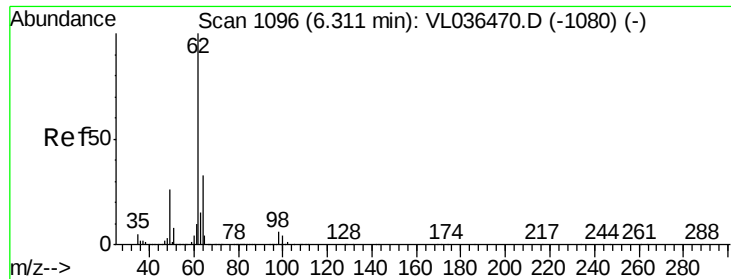
Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

Tgt Ion: 78 Resp: 3270617

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.0	27.0
50	21.1	16.5	24.7





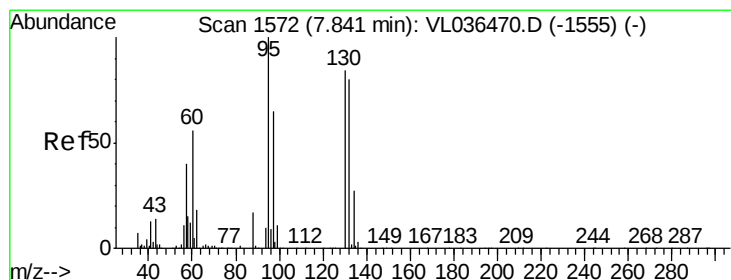
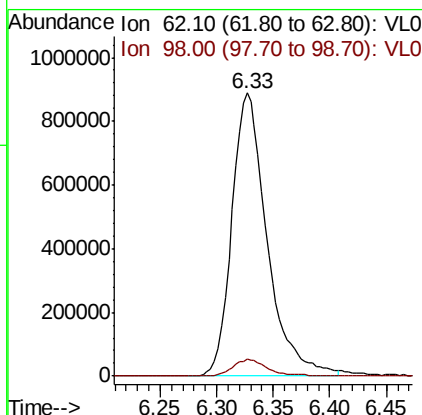
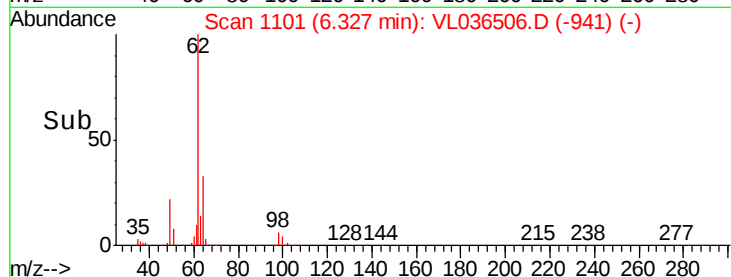
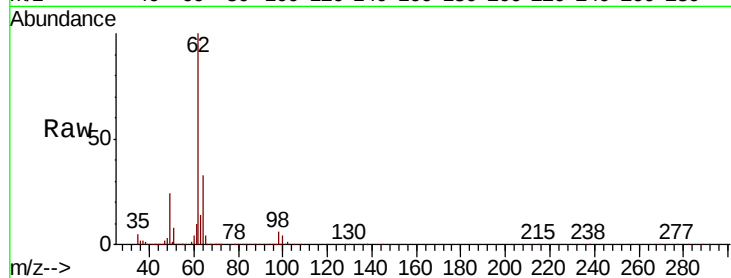
#37
1,2-Dichloroethane
Concen: 9.945 ppbv
RT: 6.33 min Scan# 1101
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampleId :
VL0326ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.1	4.9	7.3

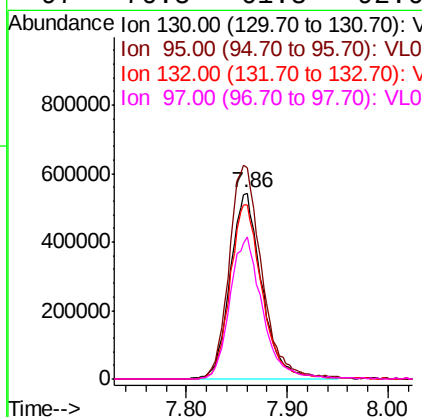
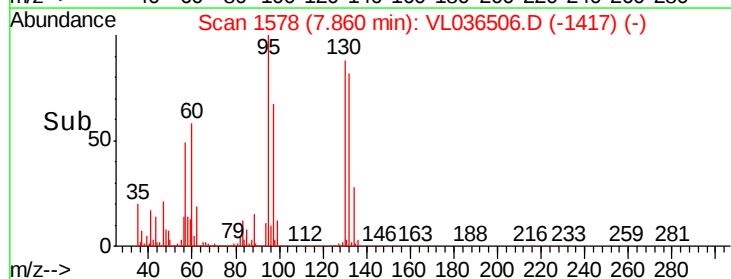
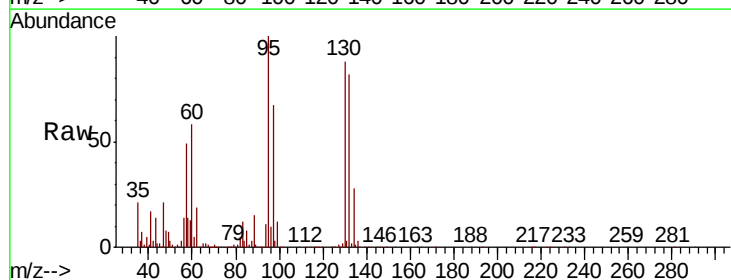
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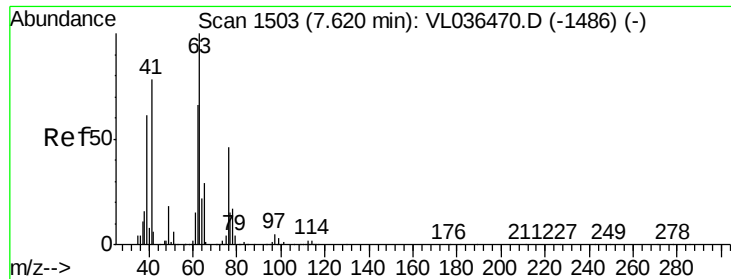
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#38
Trichloroethene
Concen: 9.297 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	113.5	95.7	143.5
132	93.4	76.2	114.4
97	76.5	61.8	92.6





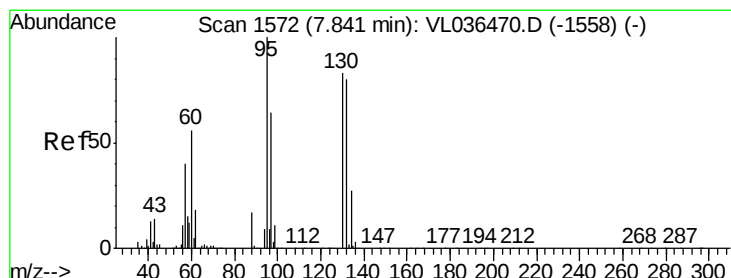
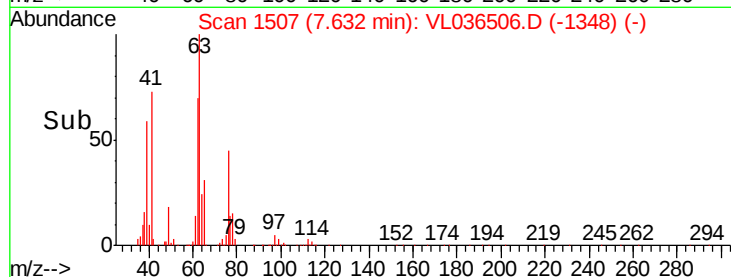
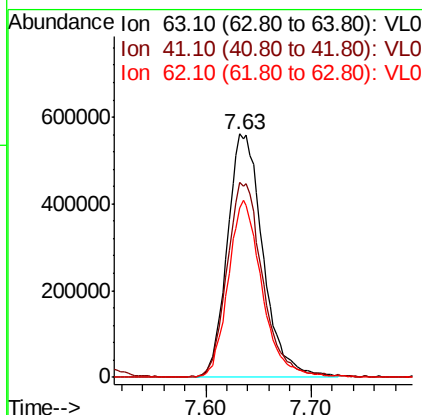
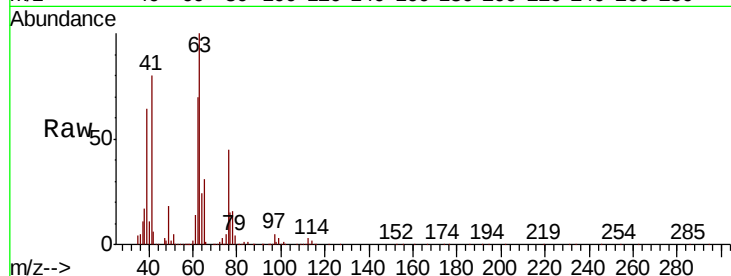
#39
 1,2-Dichloropropane
 Concen: 9.827 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. 0.01 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0326ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	80.1	62.4	93.6
62	69.5	52.8	79.2

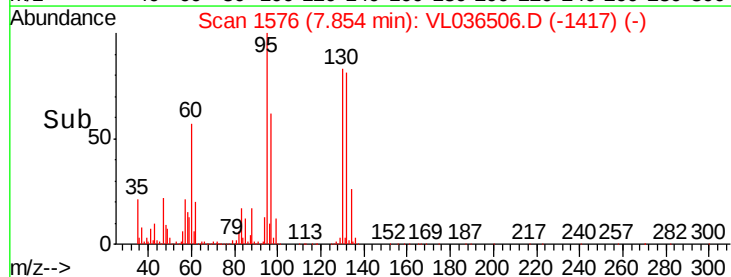
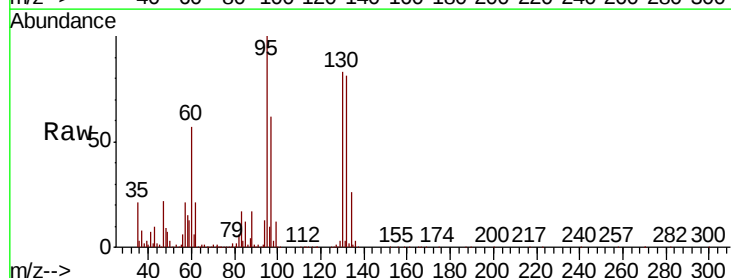
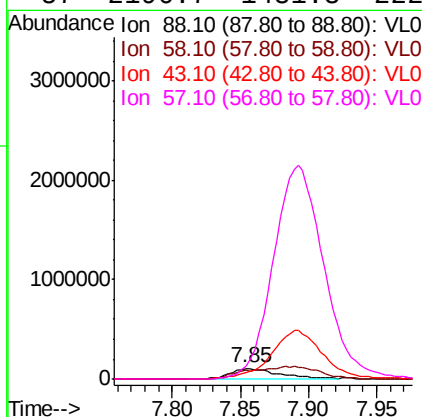
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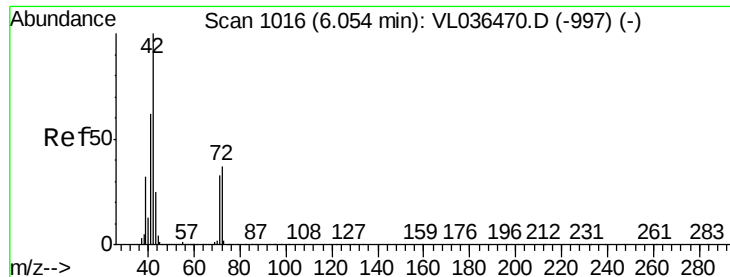
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#40
 1,4-Dioxane
 Concen: 8.170 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	187.0	134.1	201.1
43	505.8	346.6	520.0
57	2196.7	1481.8	2222.8





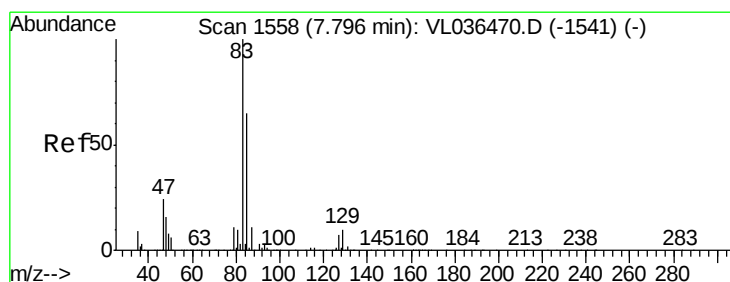
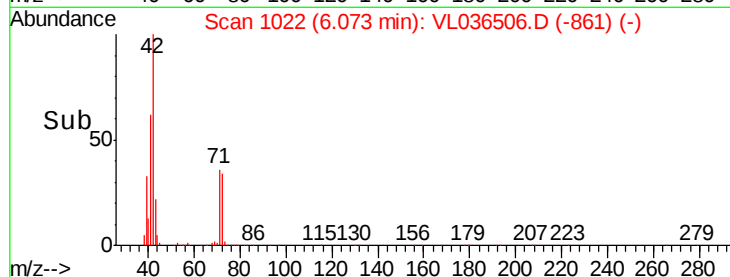
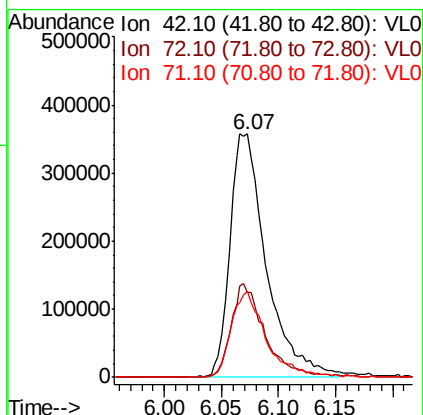
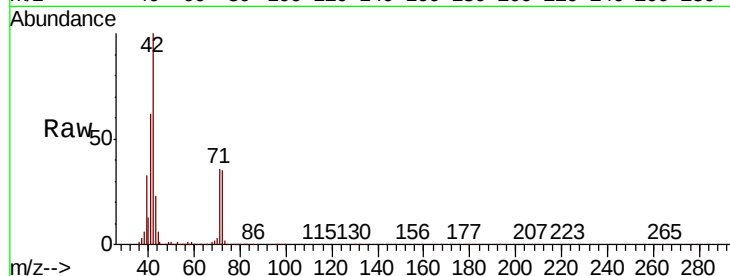
#41
Tetrahydrofuran
Concen: 9.900 ppbv m
RT: 6.07 min Scan# 1022
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampleId :
VL0326ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	27.6	41.4
71	34.1	27.0	40.4

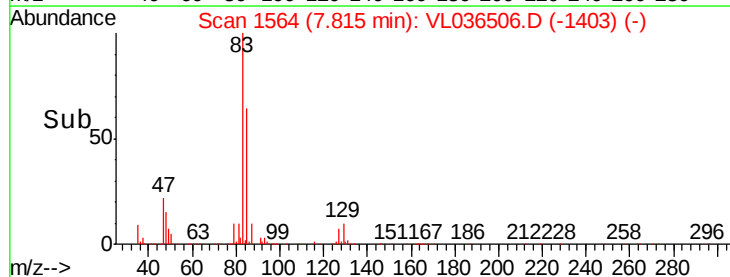
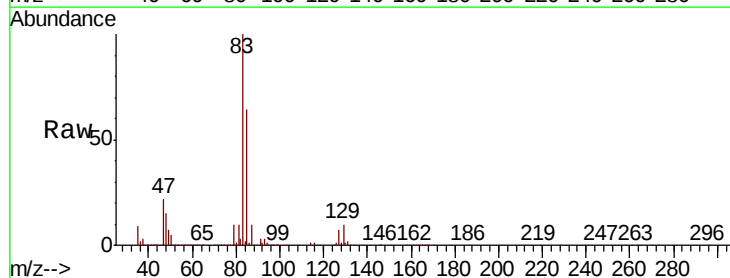
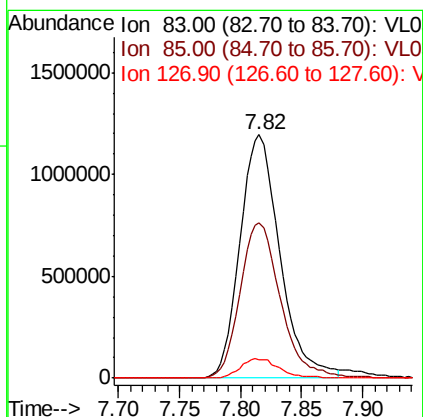
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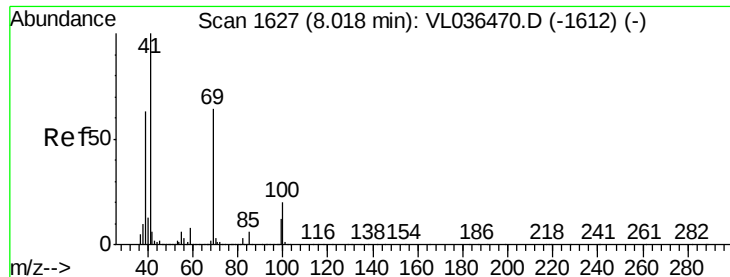
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#42
Bromodichloromethane
Concen: 10.251 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.6
127	7.5	5.8	8.8





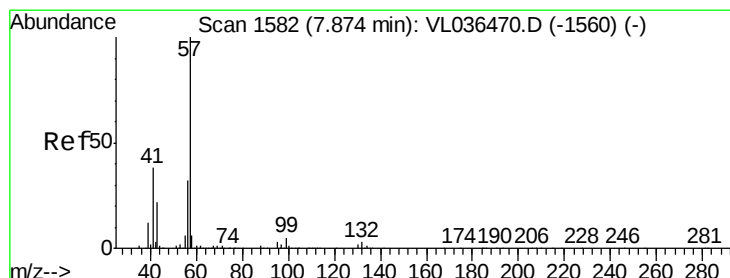
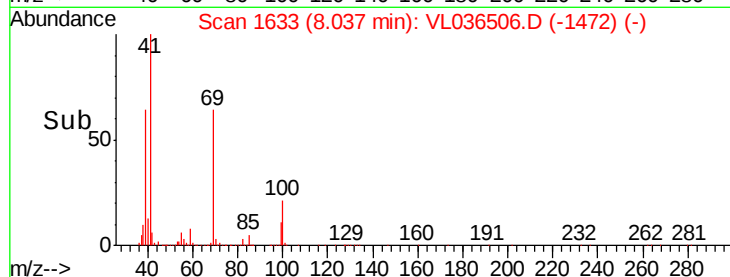
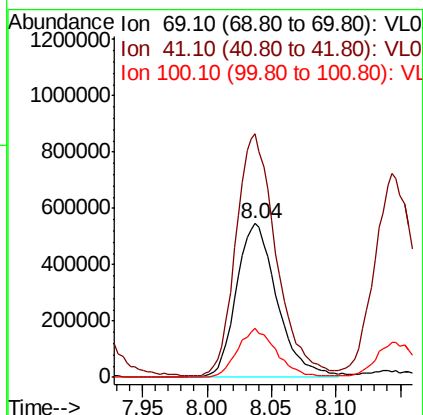
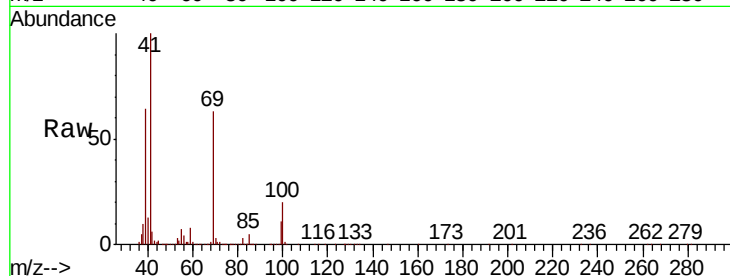
#43
Methvl Methacrylate
Concen: 10.847 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampleId :
VL0326ABS01

Tot Ion: 69 Resp: 1199388
Ion Ratio Lower Upper
69 100
41 157.6 126.8 190.2
100 30.7 24.9 37.3

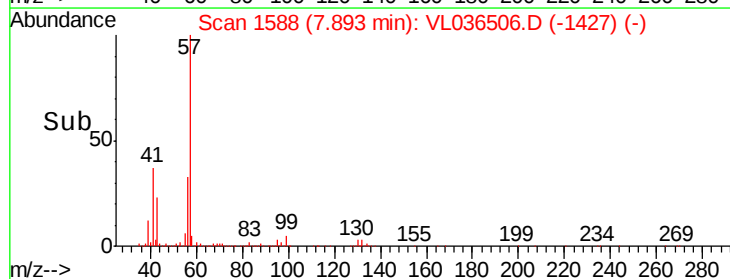
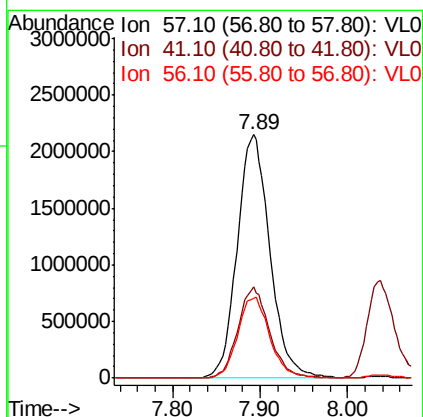
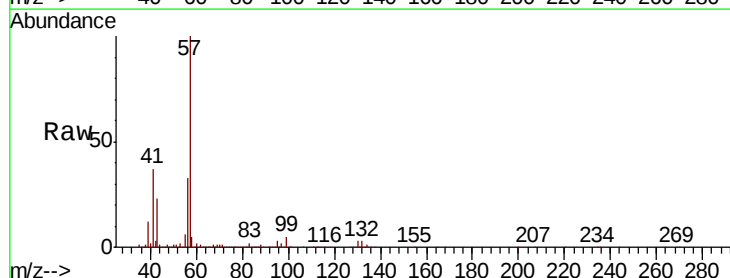
Manual Integrations
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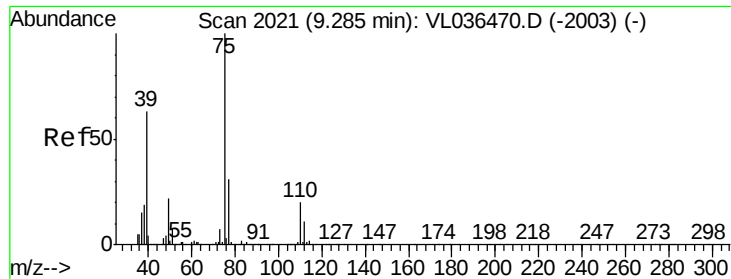
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#44
2,2,4-Trimethylpentane
Concen: 9.612 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Tgt Ion: 57 Resp: 5570619
Ion Ratio Lower Upper
57 100
41 36.2 28.8 43.2
56 32.7 26.1 39.1





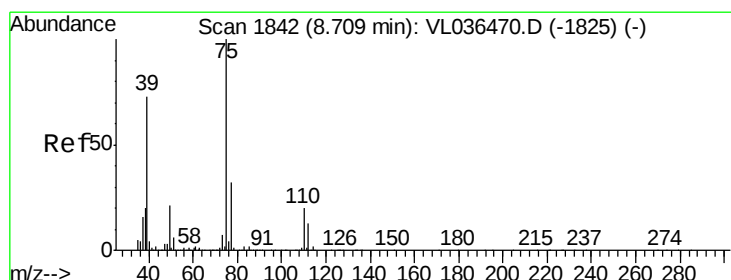
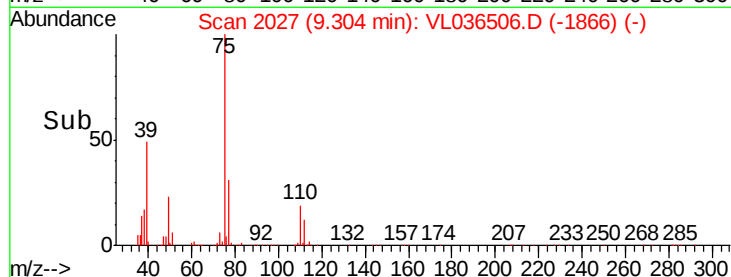
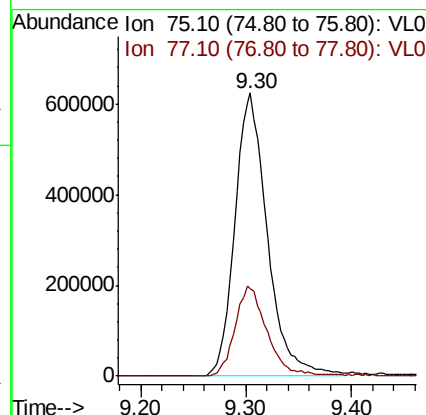
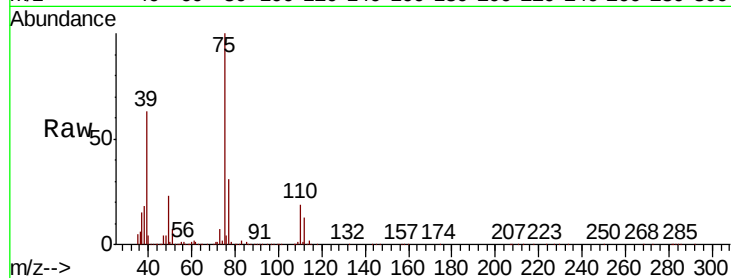
#45
t-1,3-Dichloropropene
Concen: 10.522 ppbv
RT: 9.30 min Scan# 2027
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampleId :
VL0326ABS01

Tot Ion: 75 Resp: 1328457
Ion Ratio Lower Upper
75 100
77 30.9 25.1 37.7

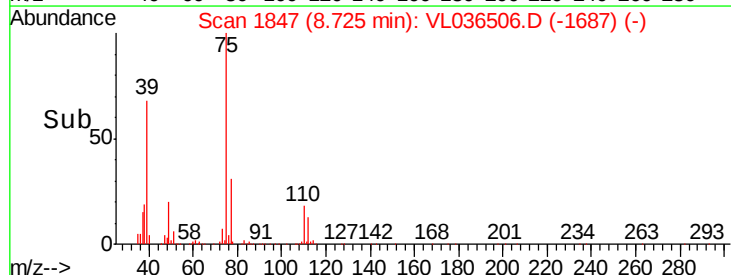
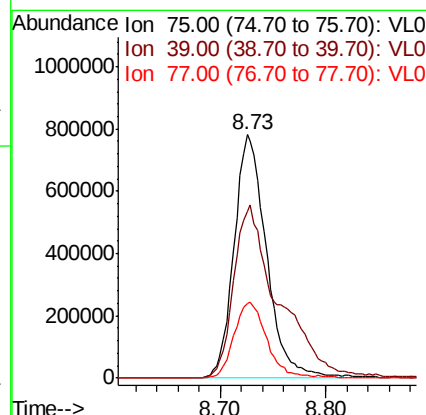
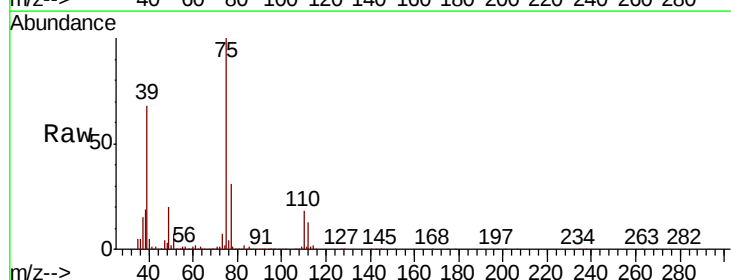
Manual Integrations
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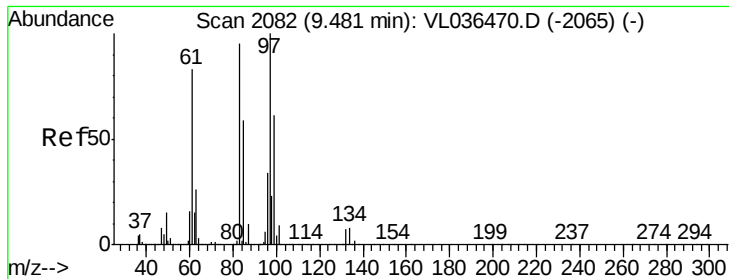
apatel
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#46
cis-1,3-Dichloropropene
Concen: 10.301 ppbv
RT: 8.73 min Scan# 1847
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Tgt Ion: 75 Resp: 1662435
Ion Ratio Lower Upper
75 100
39 68.3 58.2 87.2
77 30.9 25.2 37.8





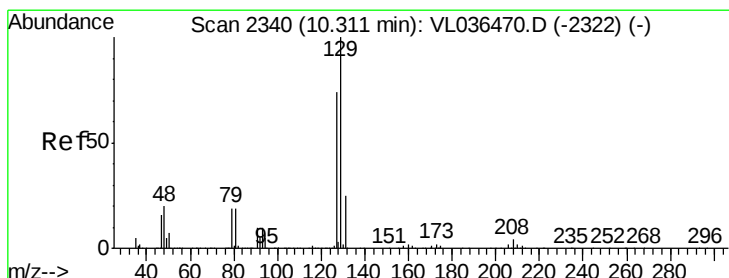
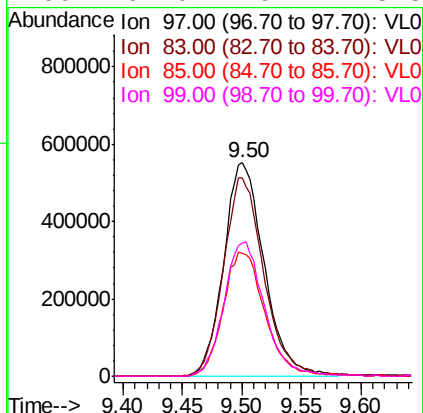
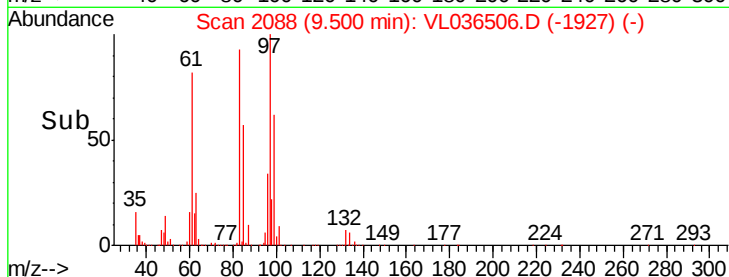
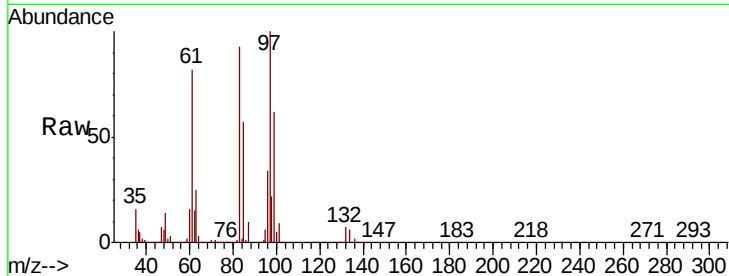
#47
 1,1,2-Trichloroethane
 Concen: 9.524 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. 0.02 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0326ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	92.6	75.8	113.8
85	57.3	47.1	70.7
99	62.0	49.2	73.8

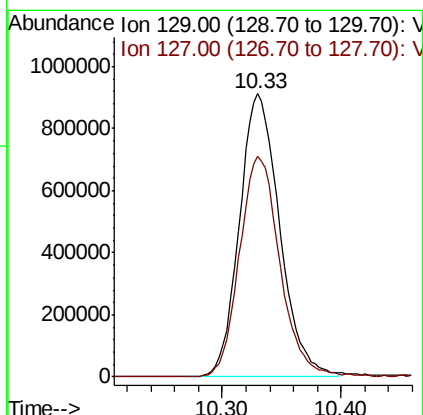
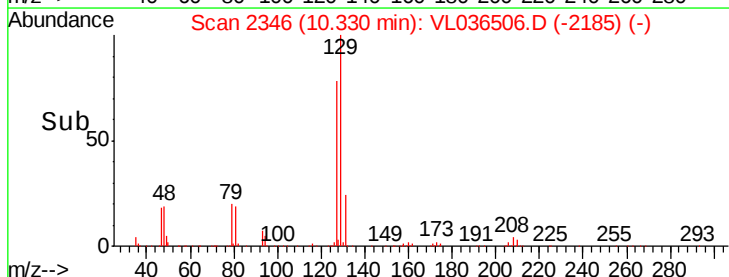
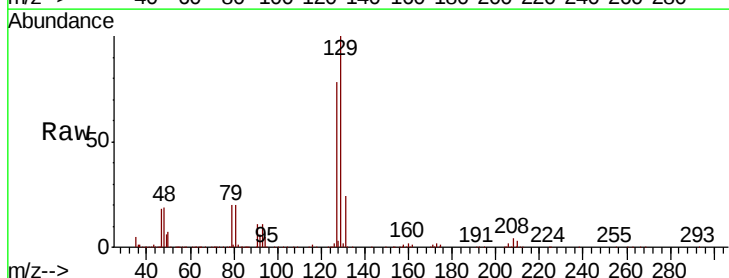
Manual Integrations
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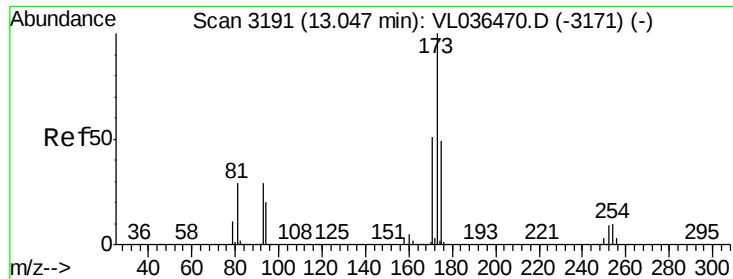
apatel
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#48
 Dibromochloromethane
 Concen: 10.349 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.02 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.6	118.8





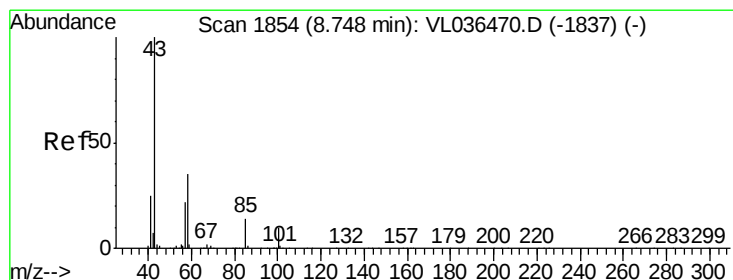
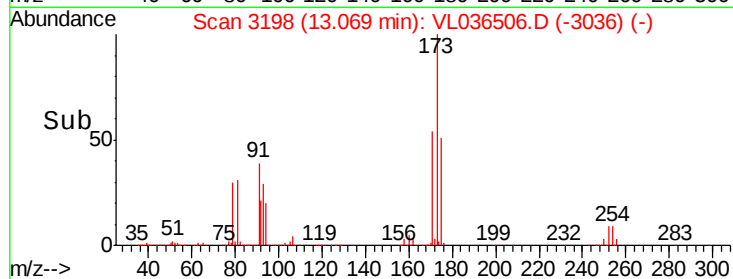
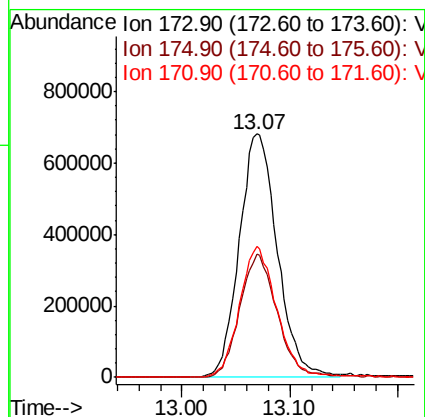
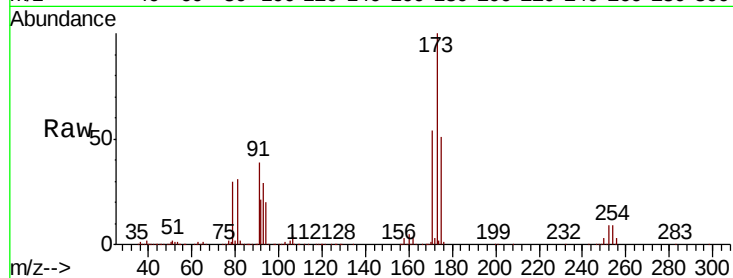
#49
Bromoform
Concen: 10.070 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampleId :
VL0326ABS01

Tot Ion:173 Resp: 1673330
Ion Ratio Lower Upper
173 100
175 50.1 39.6 59.4
171 53.3 41.4 62.0

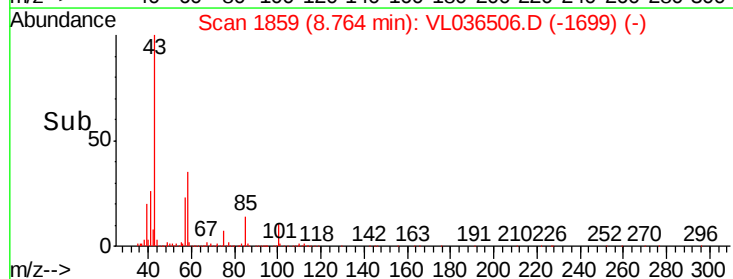
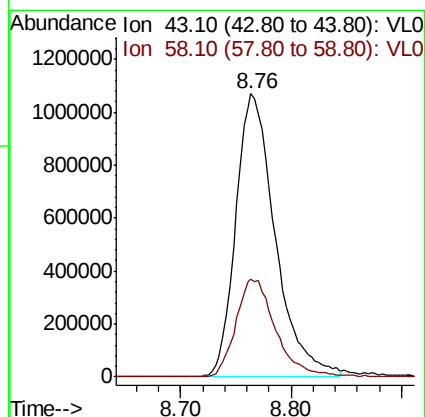
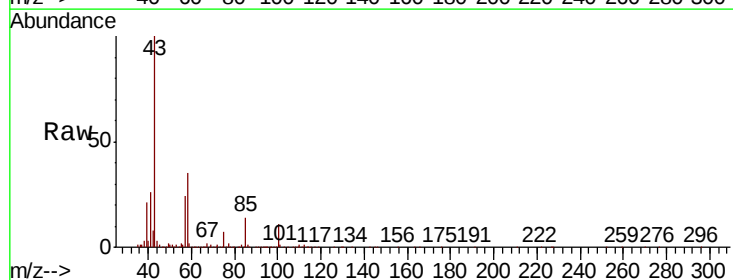
Manual Integrations
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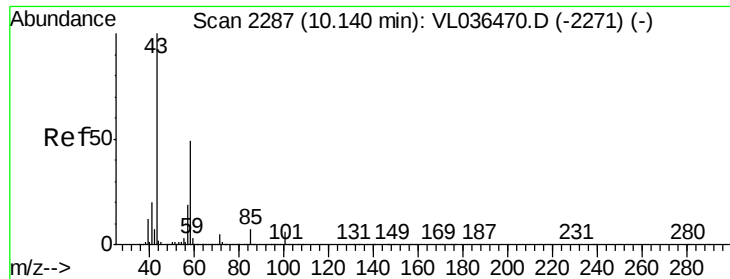
apatel
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#50
4-Methyl-2-Pentanone
Concen: 10.516 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Tgt Ion: 43 Resp: 2651817
Ion Ratio Lower Upper
43 100
58 35.3 28.2 42.2





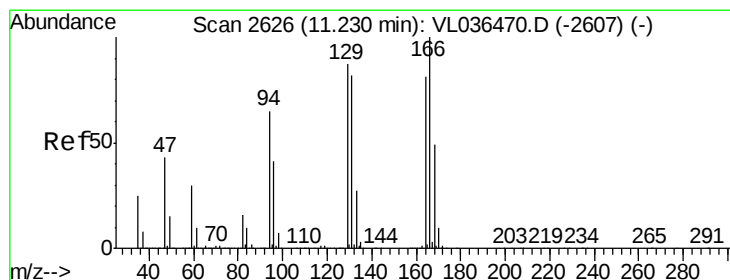
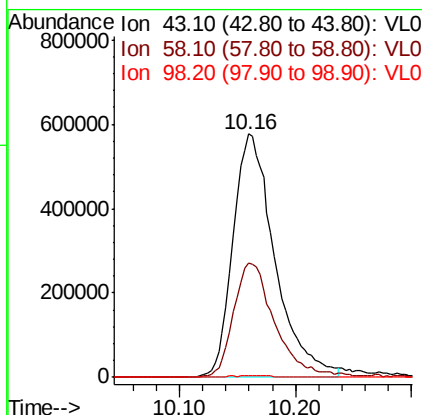
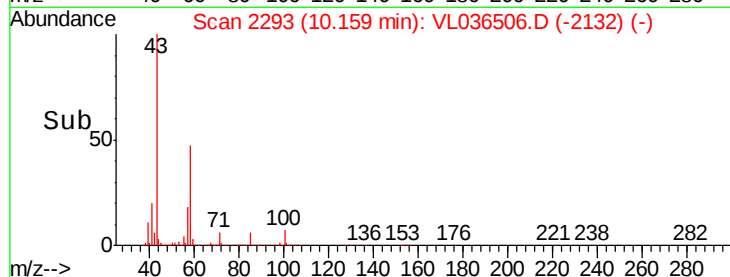
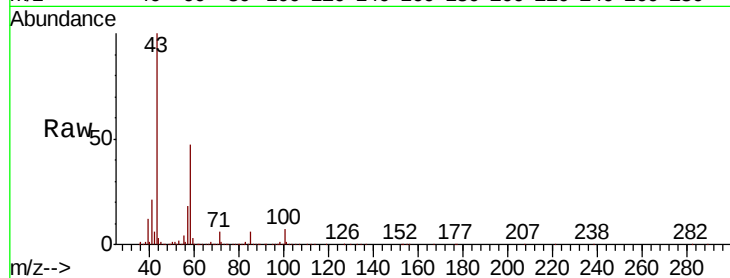
#51
2-Hexanone
Concen: 11.309 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampleId :
VL0326ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.4	37.7	56.5
98	1.0	0.2	0.2#

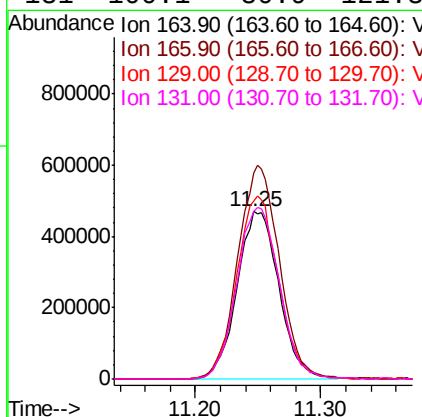
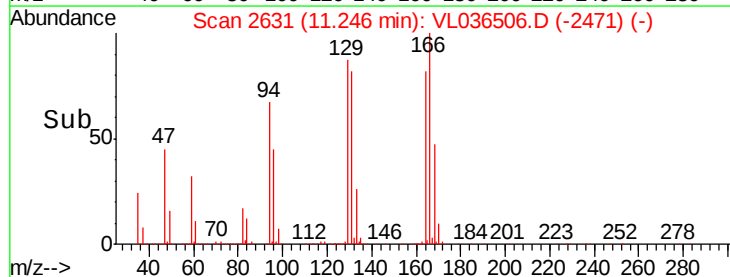
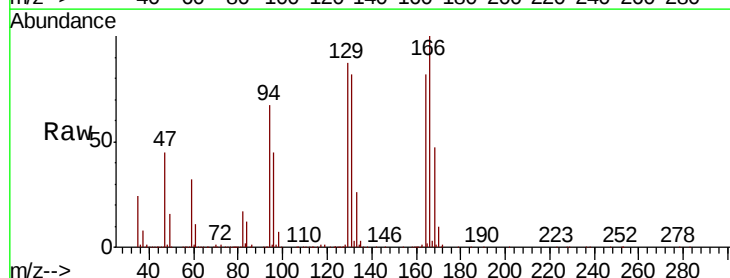
Manual Integrations
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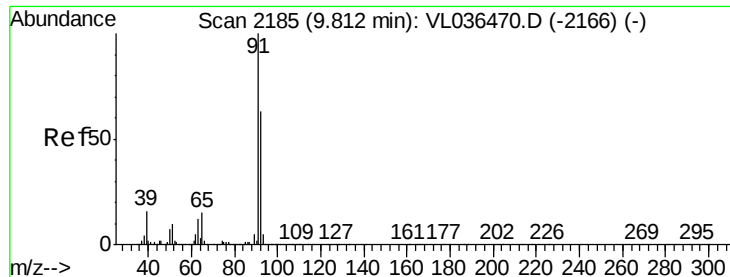
apatel
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#52
Tetrachloroethene
Concen: 8.968 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	98.3	147.5
129	106.3	85.8	128.8
131	100.1	80.9	121.3





#53

Toluene

Concen: 10.391 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.02 min

Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

Instrument :

MSVOA_L

ClientSampleId :

VL0326ABS01

Tot Ion: 91 Resp: 3643682

Ion Ratio Lower Upper

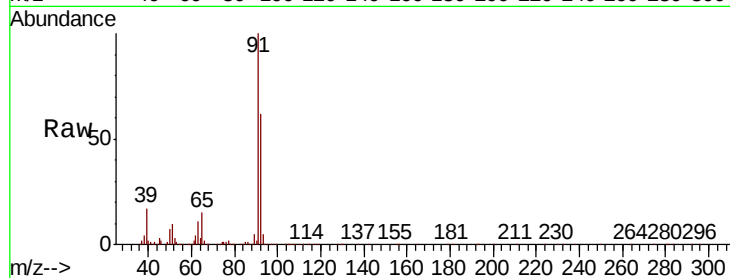
91 100

92 60.4 48.8 73.2

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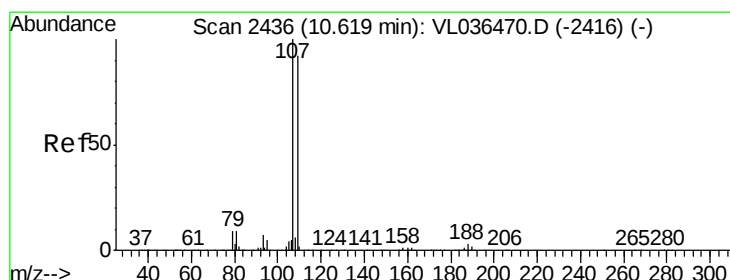
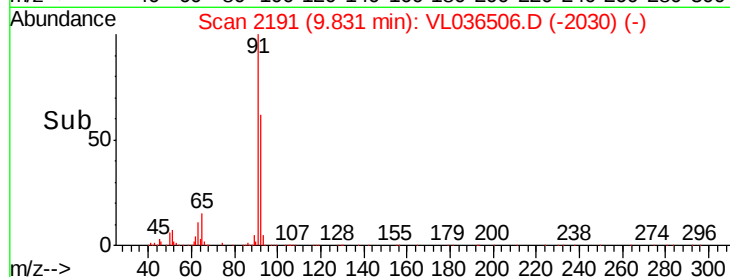
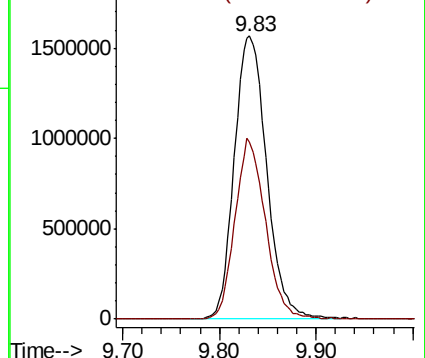
apatel

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.716 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.02 min

Lab File: VL036506.D

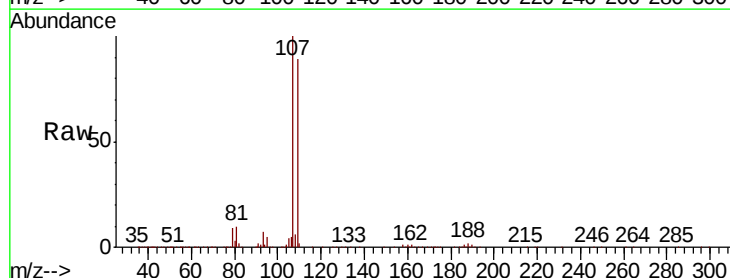
Acq: 26 Mar 2021 8:35

Tgt Ion: 107 Resp: 1856344

Ion Ratio Lower Upper

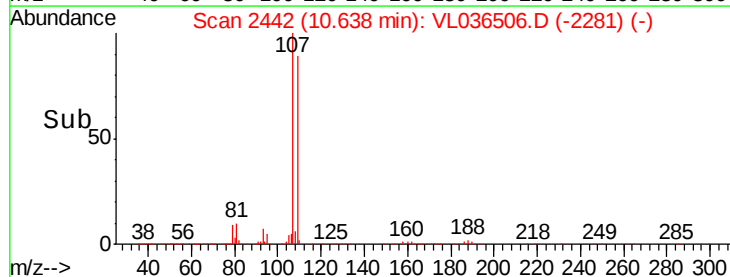
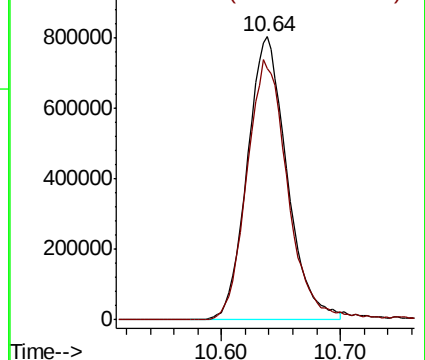
107 100

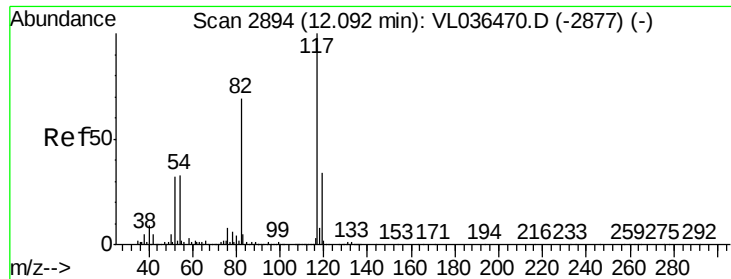
109 88.7 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





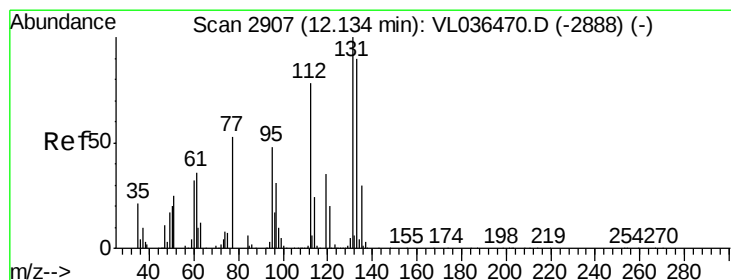
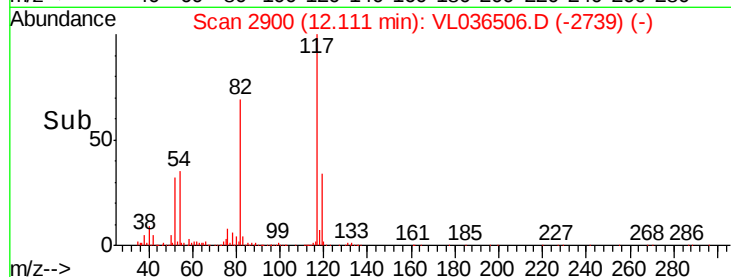
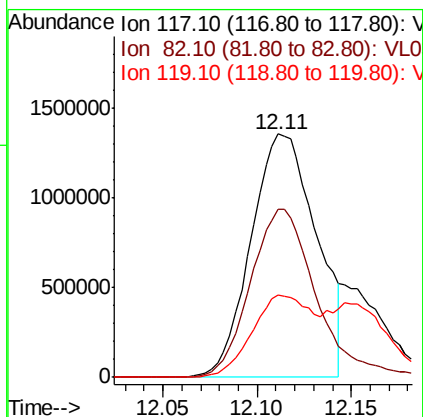
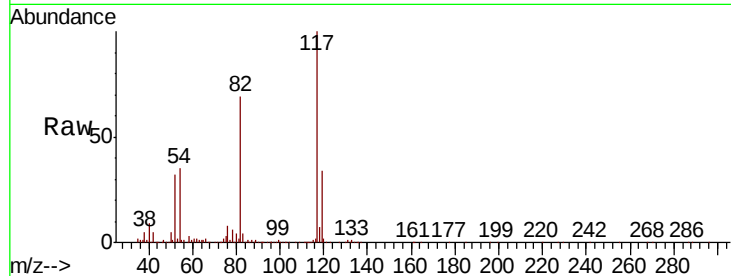
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2900
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampleId :
VL0326ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.5	57.4	86.0
119	31.3	47.4	71.0#

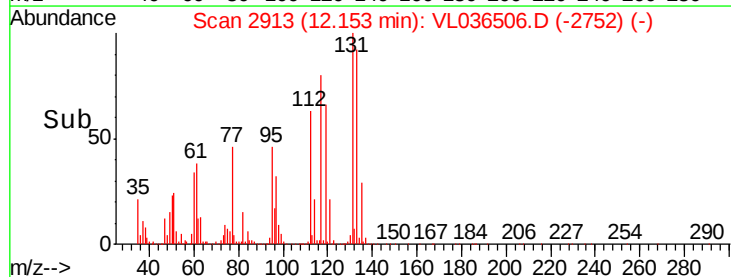
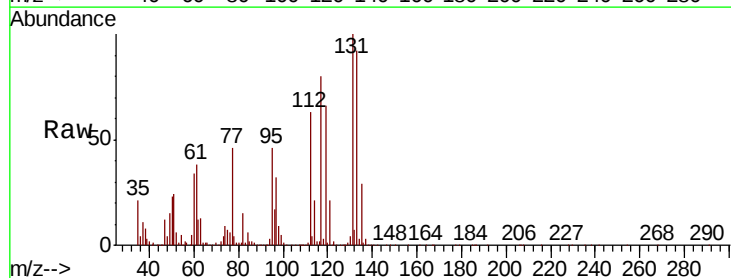
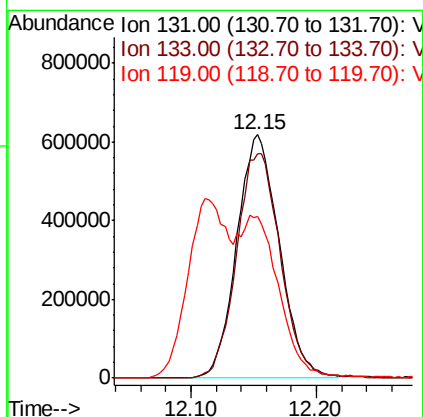
Manual Integrations
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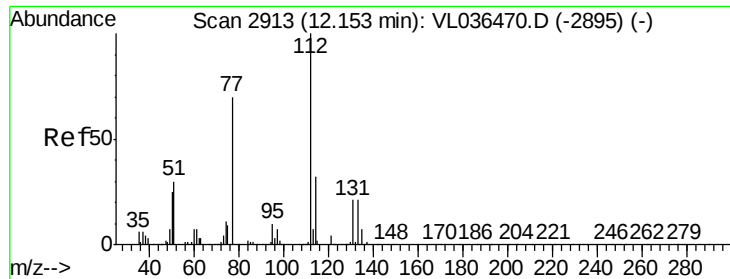
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.766 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	75.8	113.6
119	63.3	48.7	73.1





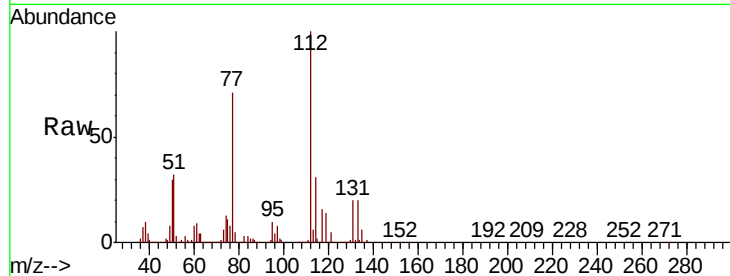
#57
Chlorobenzene
Concen: 9.294 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampleId :
VL0326ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	70.2	56.0	84.0
114	30.6	29.0	35.4

Manual Integrations
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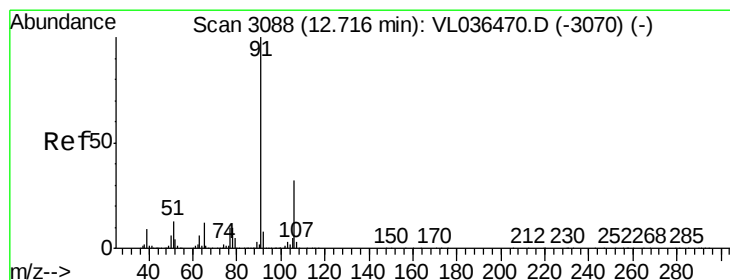
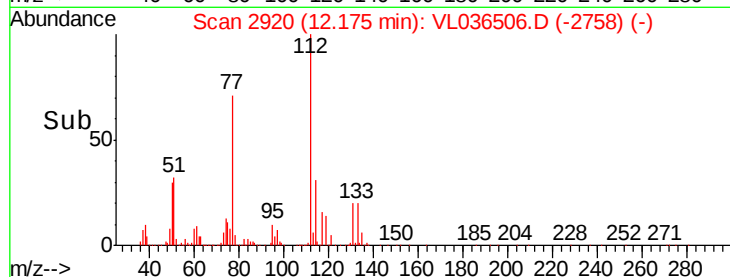
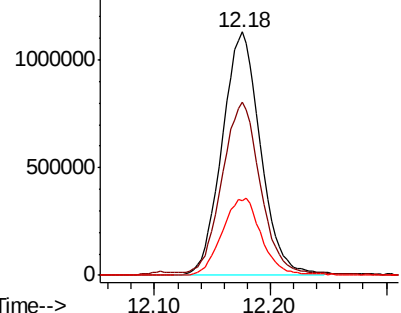


Abundance

Ion 112.10 (111.80 to 112.80): V

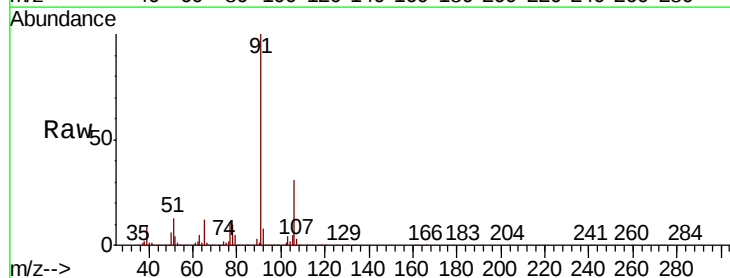
Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58
Ethyl Benzene
Concen: 10.172 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

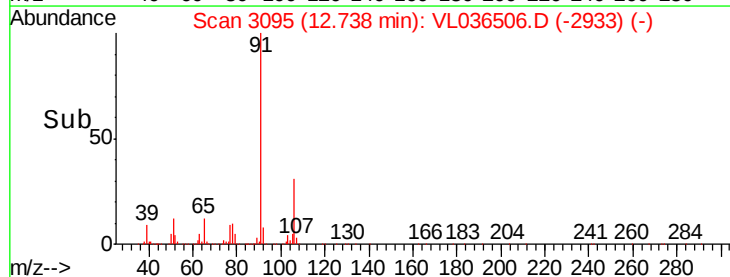
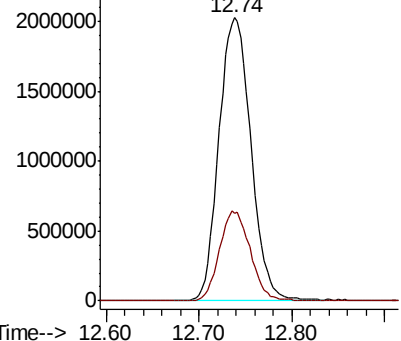
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.3	37.9

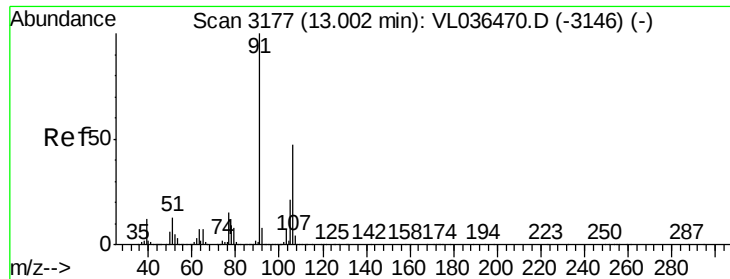


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





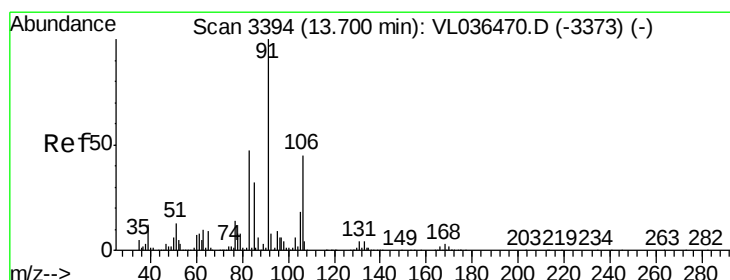
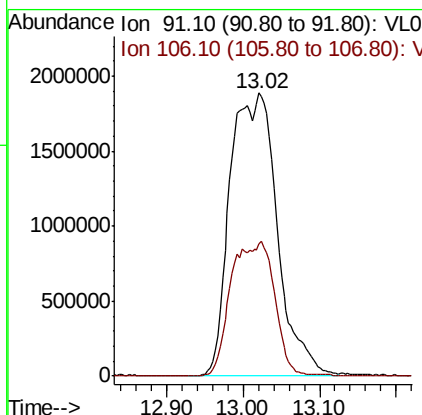
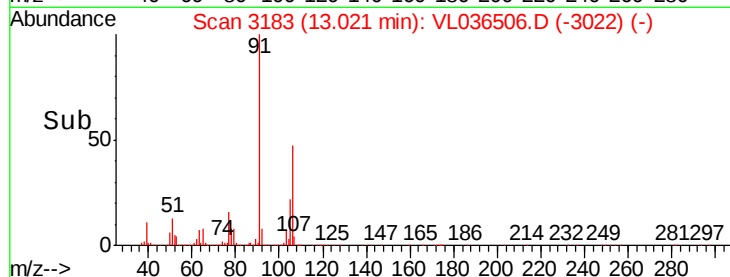
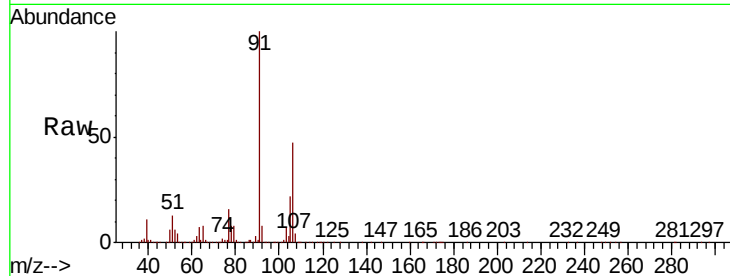
#59
m/p-Xylene
Concen: 19.444 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampleId :
VL0326ABS01

Tot Ion: 91 Resp: 8102282
Ion Ratio Lower Upper
91 100
106 44.0 35.3 52.9

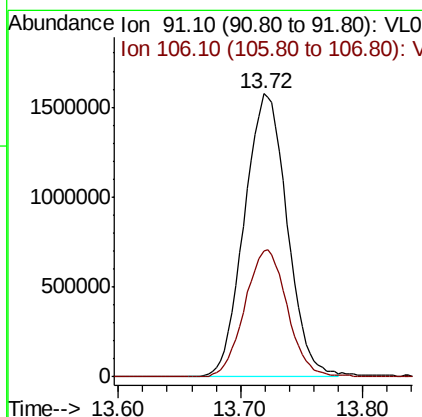
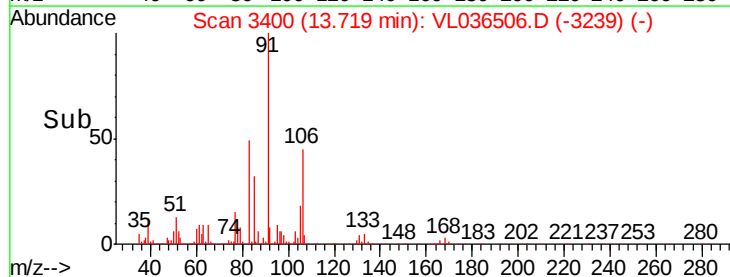
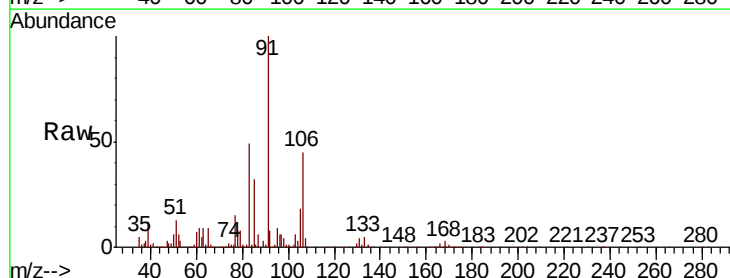
Manual Integrations
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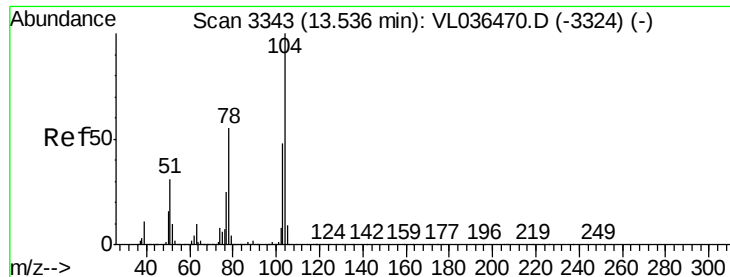
apatel
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#60
o-Xylene
Concen: 9.460 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Tgt Ion: 91 Resp: 3811610
Ion Ratio Lower Upper
91 100
106 45.0 22.3 66.9





#61

Stvrene

Concen: 11.020 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. 0.02 min

Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

Instrument :

MSVOA_L

ClientSampleId :

VL0326ABS01

Tot Ion:104 Resp: 2233816

Ion Ratio Lower Upper

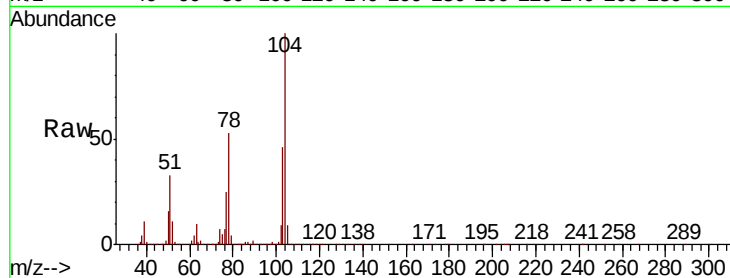
104 100

78 55.2 43.8 65.8

103 48.2 38.3 57.5

Manual Integrations
APPROVED

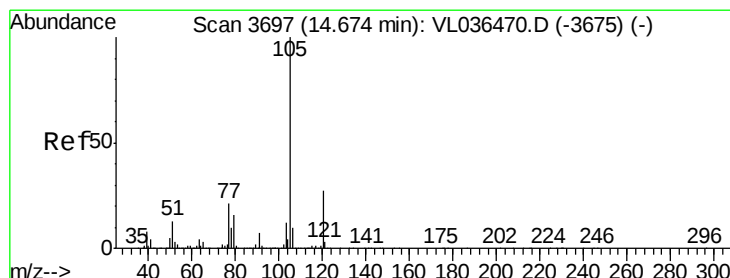
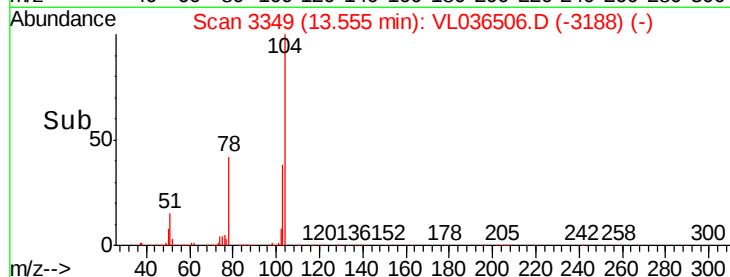
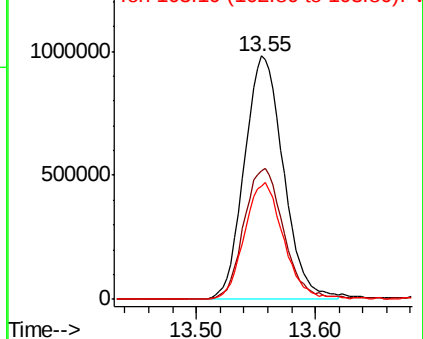
apatel
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.431 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.02 min

Lab File: VL036506.D

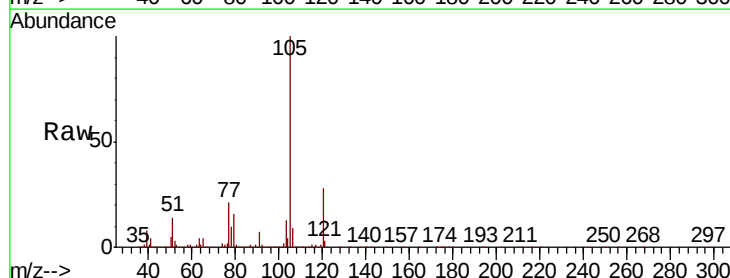
Acq: 26 Mar 2021 8:35

Tgt Ion:105 Resp: 5117170

Ion Ratio Lower Upper

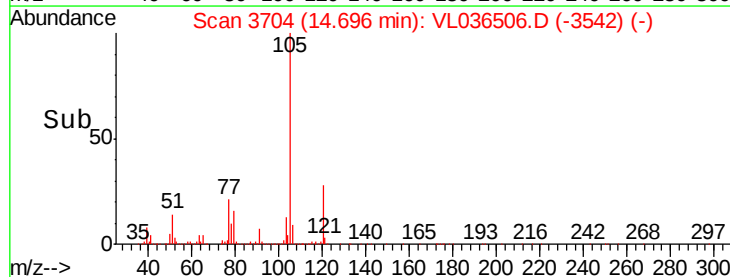
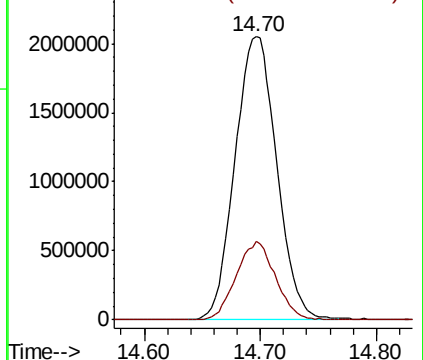
105 100

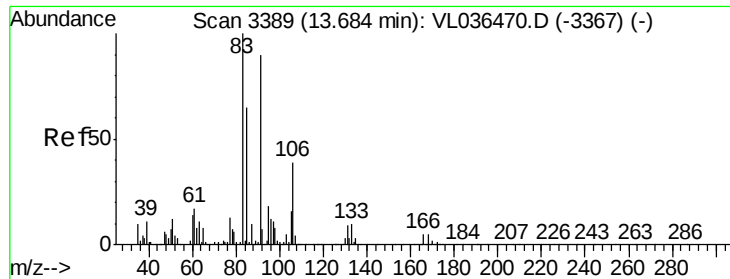
120 26.1 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





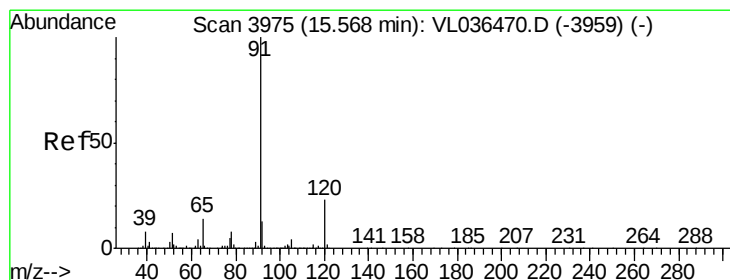
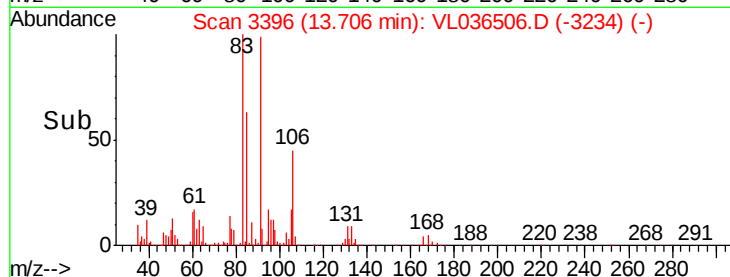
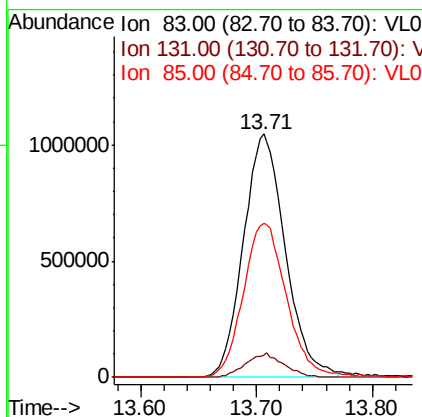
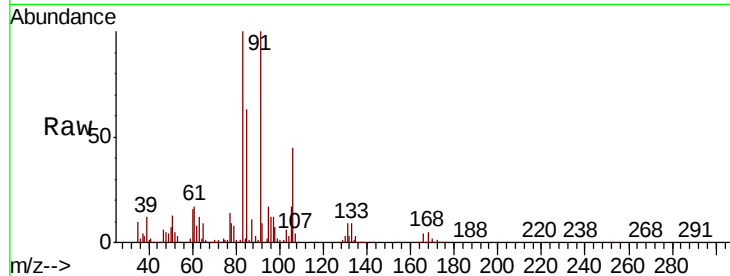
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.557 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. 0.02 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0326ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	65.6	33.1	99.3

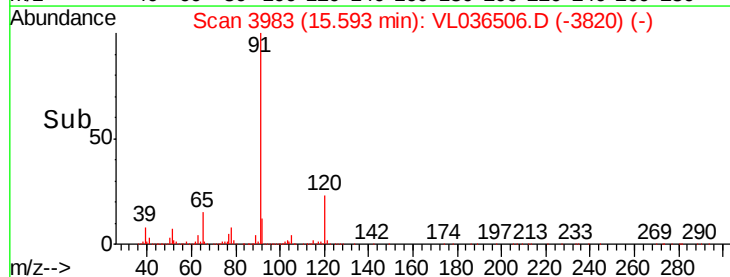
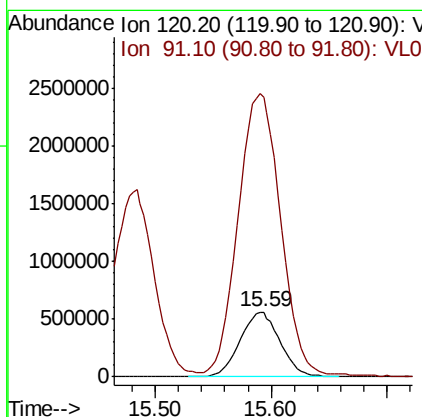
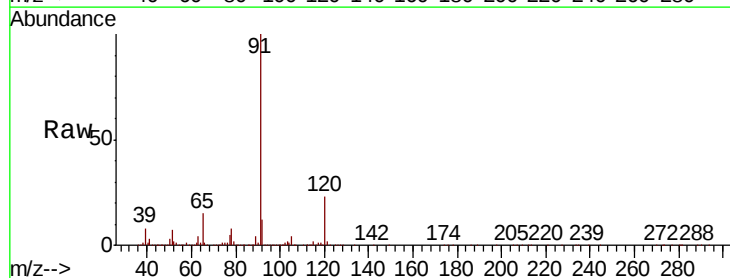
Manual Integrations
 APPROVED

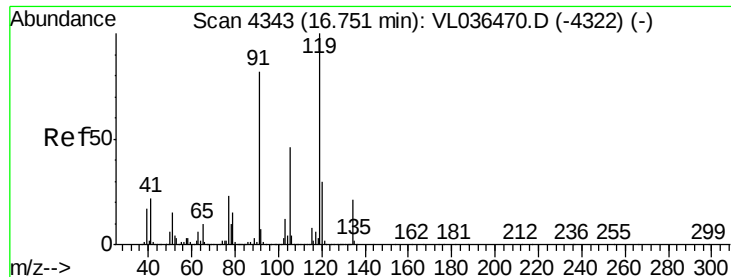
apatel
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#64
 n-propylbenzene
 Concen: 10.069 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. 0.03 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Tgt Ion	Ratio	Lower	Upper
120	100		
91	473.0	377.4	566.2





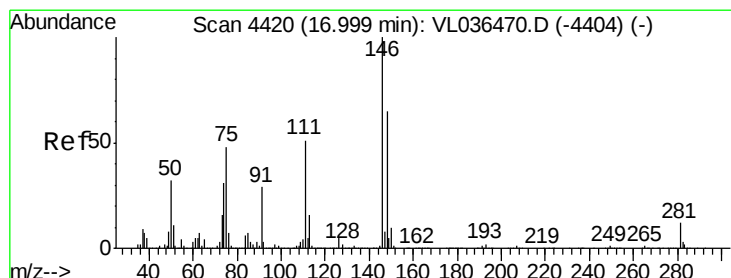
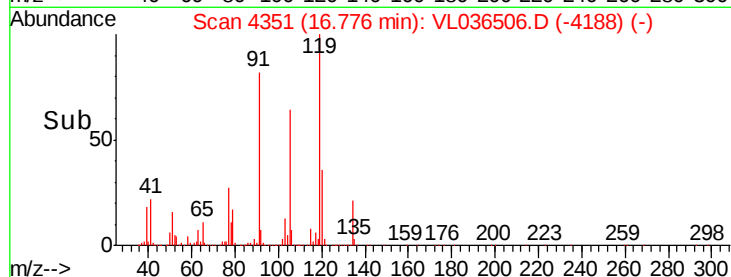
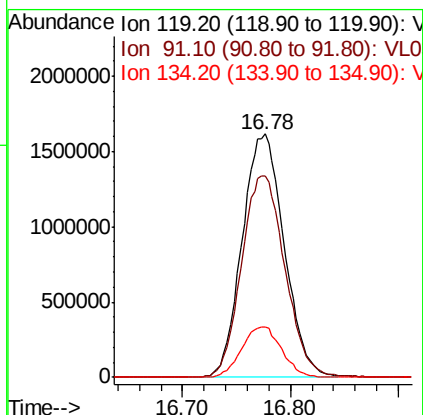
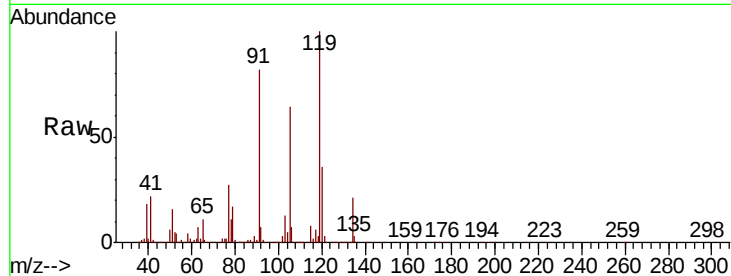
#65
tert-Butylbenzene
Concen: 9.279 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. 0.03 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampleId :
VL0326ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	85.9	67.5	101.3
134	19.8	15.8	23.8

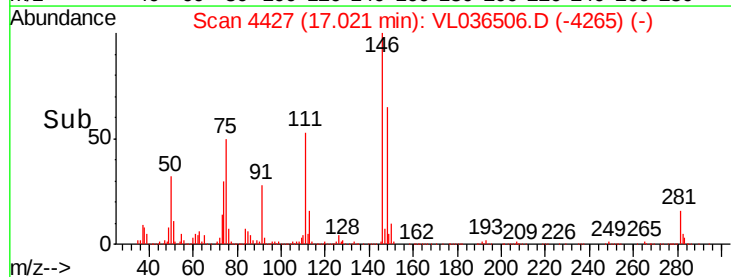
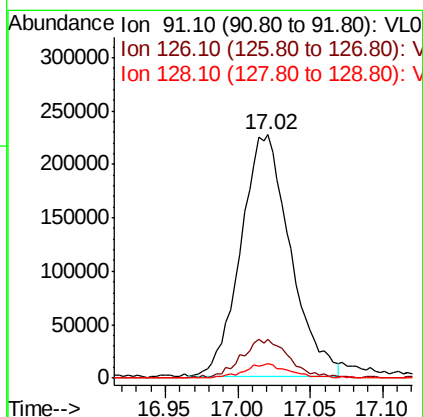
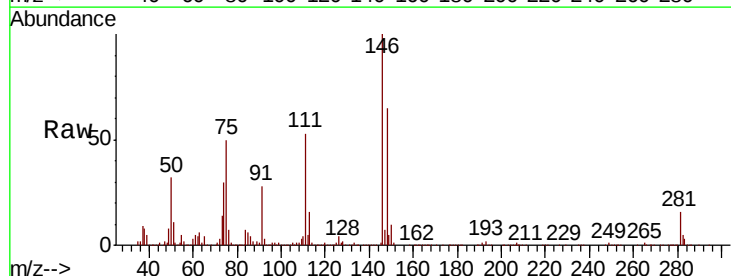
Manual Integrations
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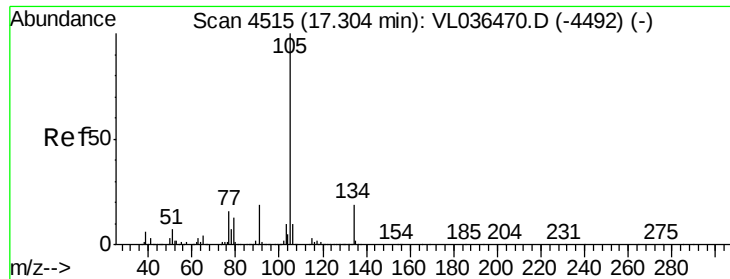
apatel
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#66
Benzyl Chloride
Concen: 10.302 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.3	13.5	20.3
128	5.5	4.2	6.4





#67

sec-Butylbenzene

Concen: 9.300 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. 0.02 min

Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

Instrument :

MSVOA_L

ClientSampleId :

VL0326ABS01

Tot Ion: 105 Resp: 6176428

Ion Ratio Lower Upper

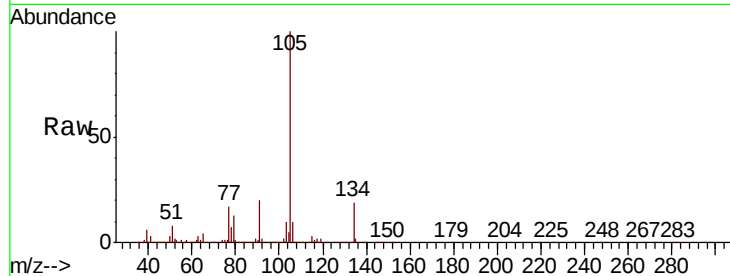
105 100

134 18.4 14.7 22.1

Manual Integrations
APPROVED

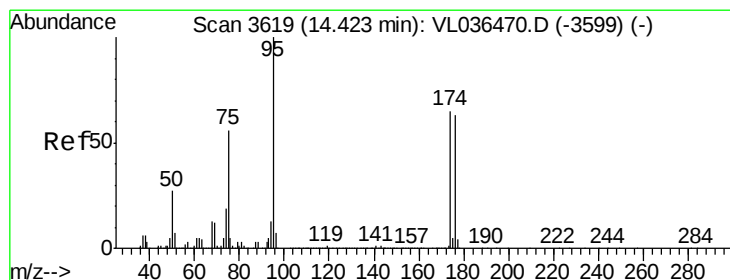
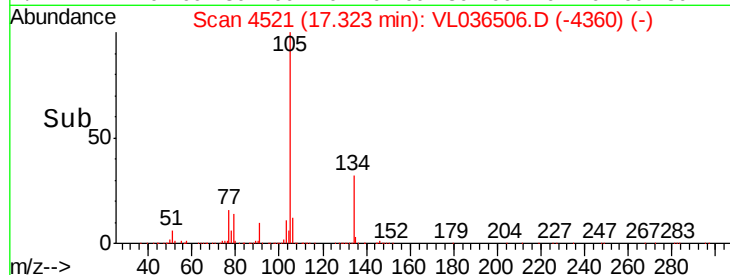
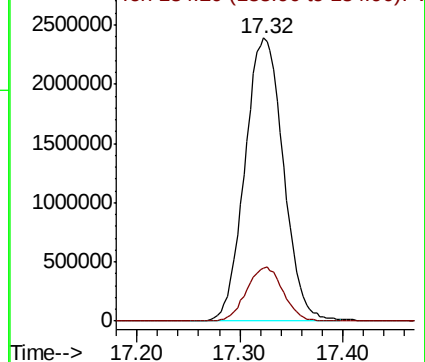
apatel

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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: 10.549 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.02 min

Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

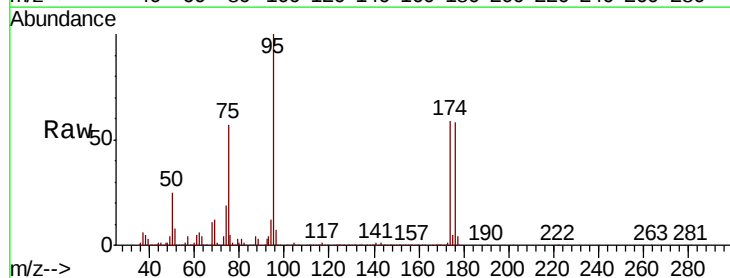
Tgt Ion: 95 Resp: 2760932

Ion Ratio Lower Upper

95 100

174 63.0 51.0 76.6

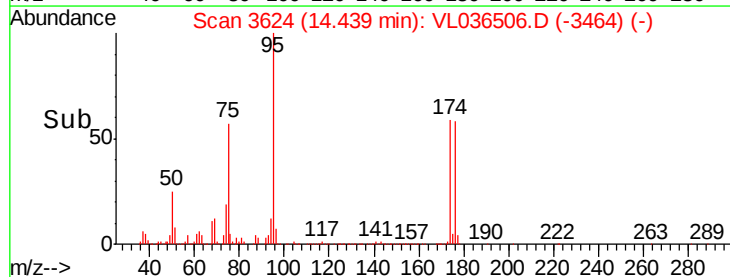
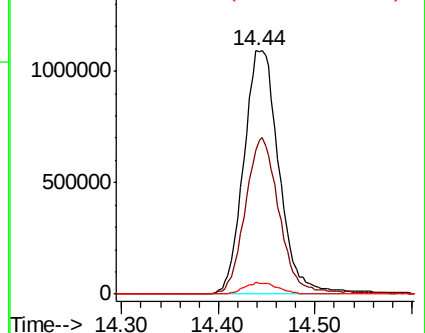
175 4.5 3.9 5.9

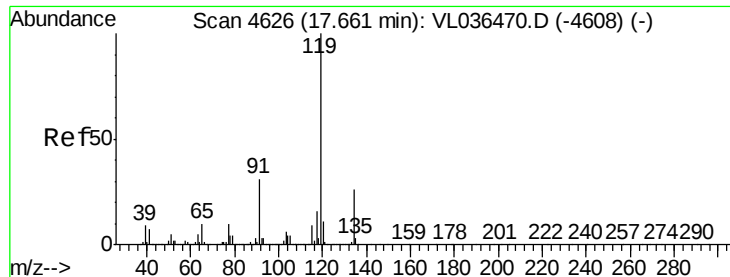


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





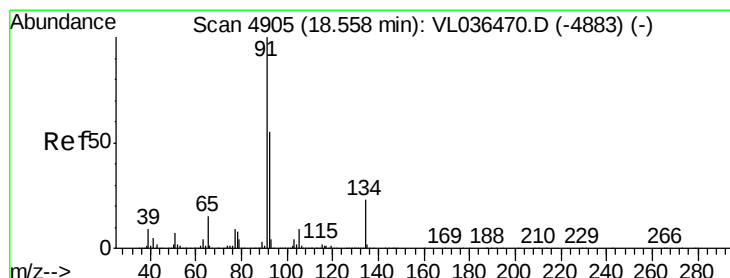
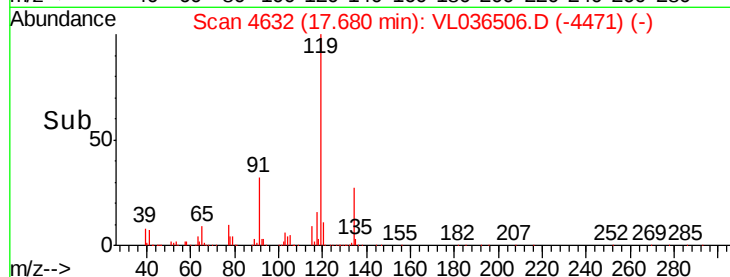
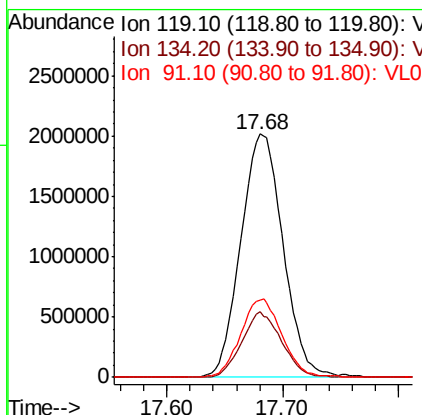
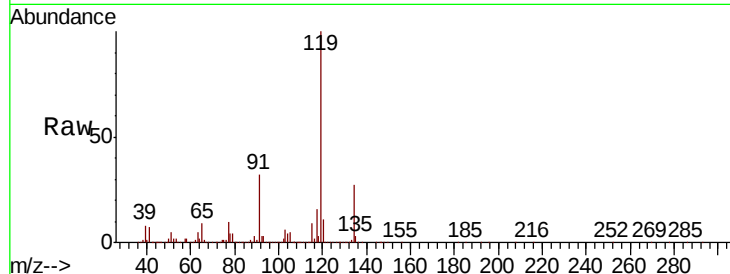
#69
 p-Isopropyltoluene
 Concen: 9.838 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. 0.02 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0326ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.6	30.8
91	31.4	25.0	37.6

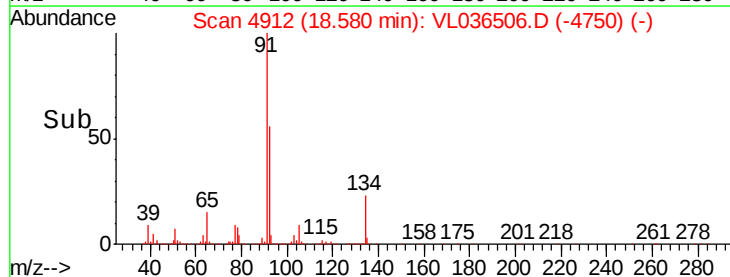
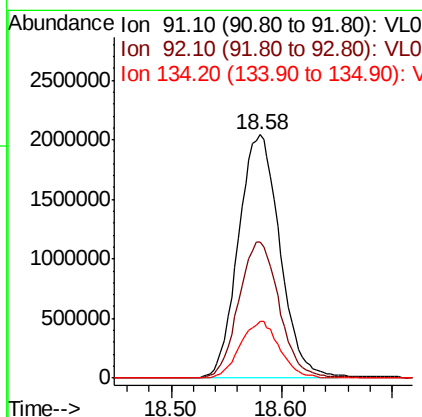
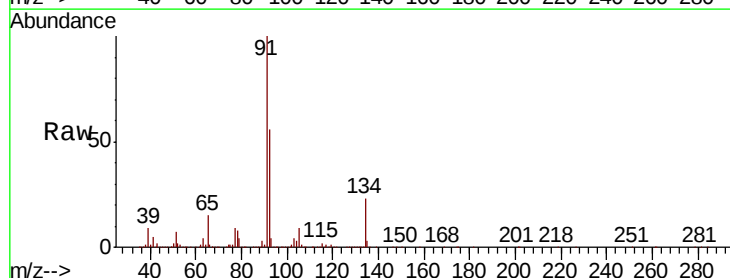
Manual Integrations
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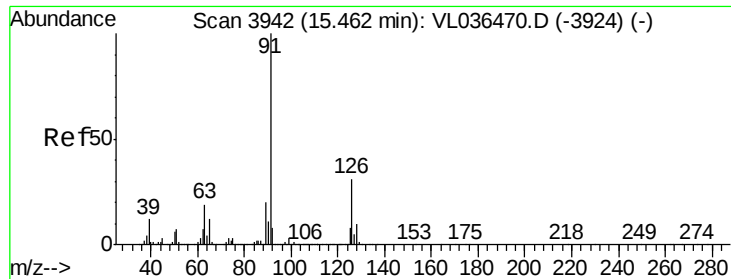
apatel
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#70
 n-Butylbenzene
 Concen: 9.896 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. 0.02 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.1	43.8	65.8
134	22.3	18.0	27.0





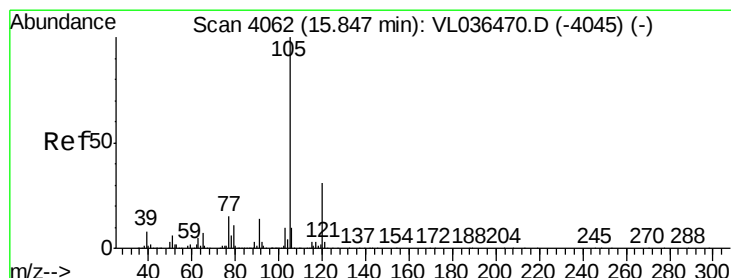
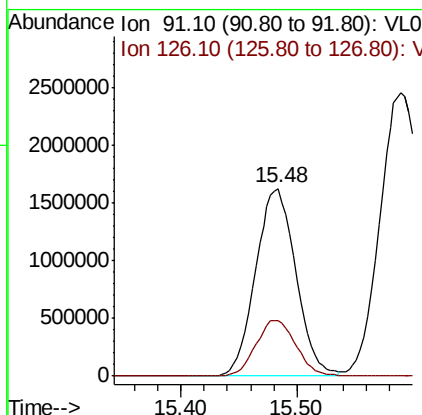
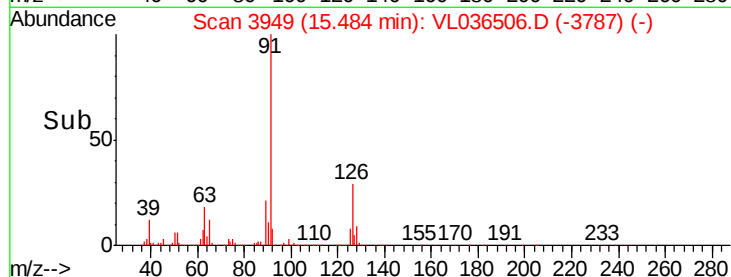
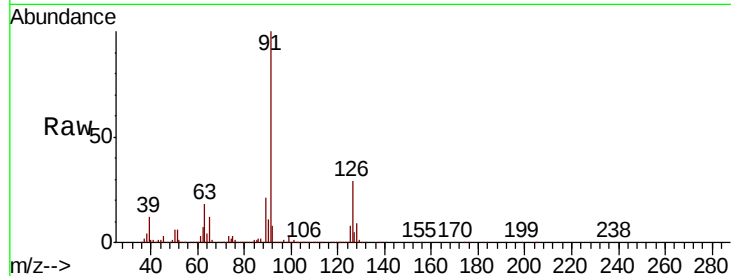
#71
2-Chlorotoluene
Concen: 9.651 ppbv
RT: 15.48 min Scan# 3949
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampleId :
VL0326ABS01

Tot Ion: 91 Resp: 3923701
Ion Ratio Lower Upper
91 100
126 30.0 12.1 48.5

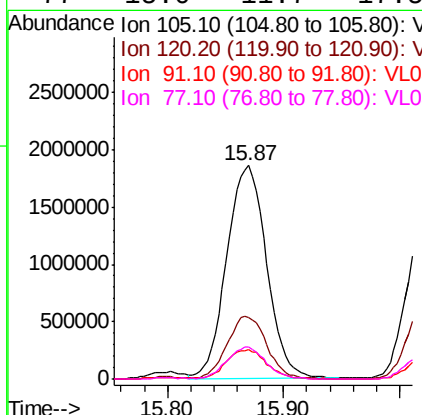
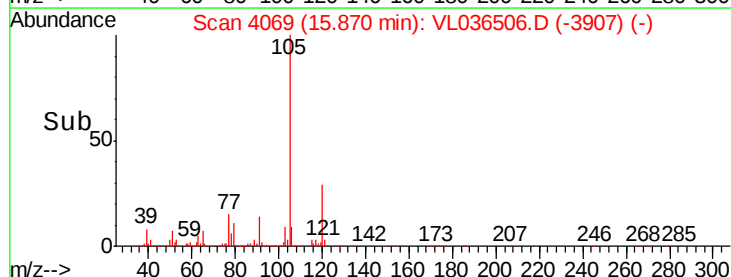
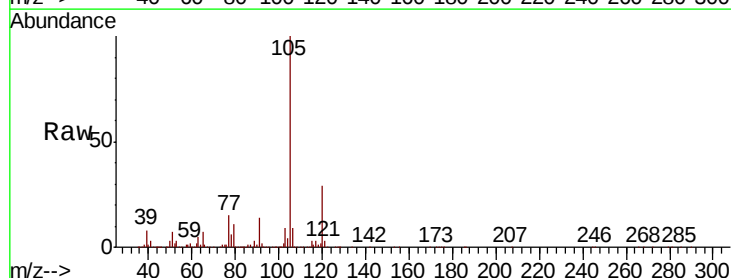
Manual Integrations
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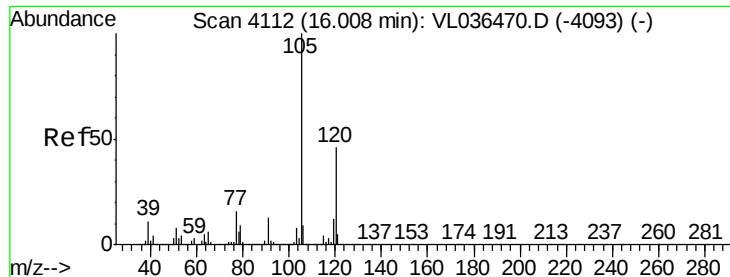
apatel
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#72
4-Ethyltoluene
Concen: 10.041 ppbv
RT: 15.87 min Scan# 4069
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Tgt Ion: 105 Resp: 4433062
Ion Ratio Lower Upper
105 100
120 29.3 24.0 36.0
91 13.4 11.0 16.4
77 15.0 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 9.713 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. 0.02 min

Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

Instrument :

MSVOA_L

ClientSampleId :

VL0326ABS01

Tot Ion:105 Resp: 4002576

Ion Ratio Lower Upper

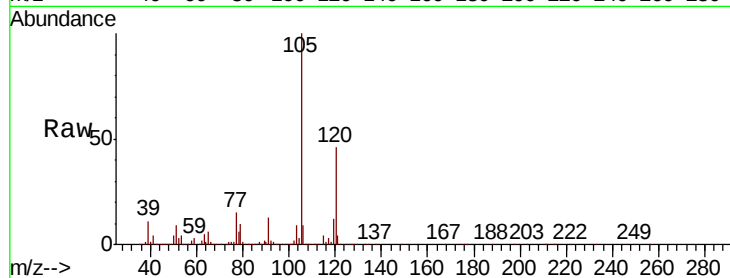
105 100

120 46.2 36.6 54.8

Manual Integrations
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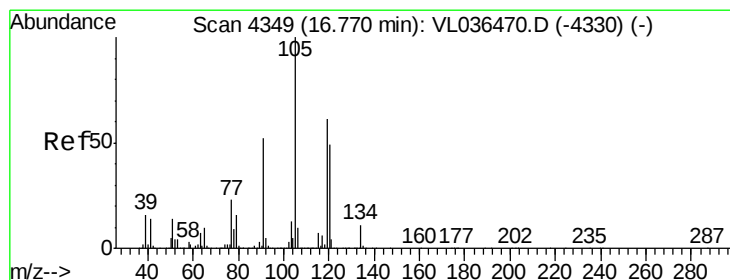
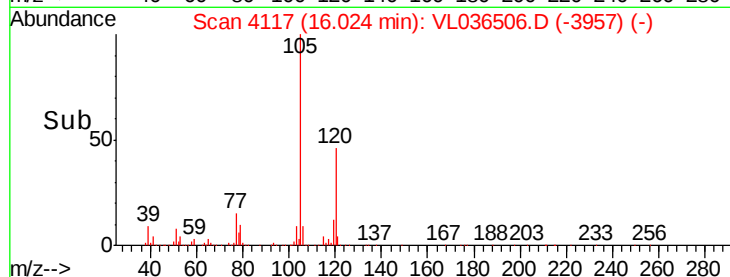
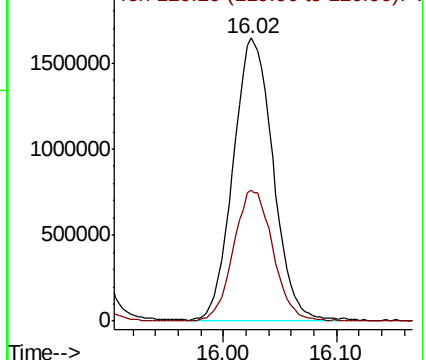
apatel

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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: 9.256 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.02 min

Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

Tgt Ion:105 Resp: 4081610

Ion Ratio Lower Upper

105 100

120 48.1 39.2 58.8

91 50.6 42.6 64.0

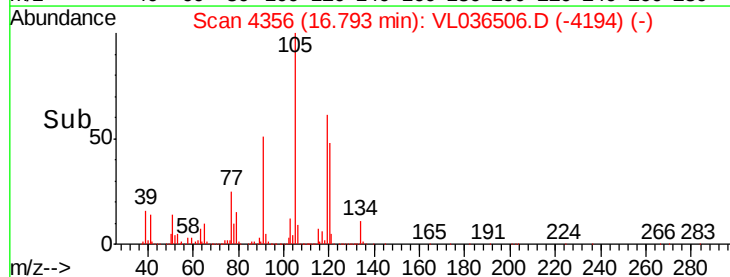
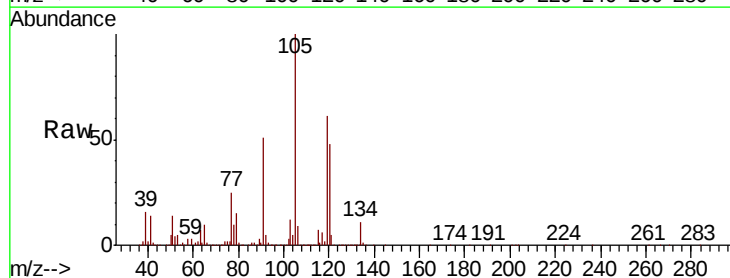
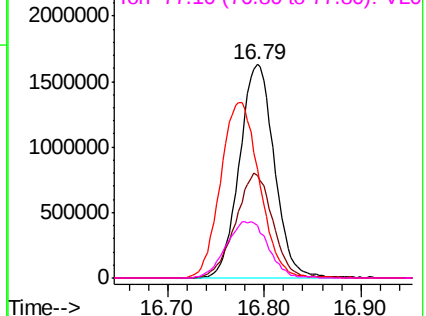
77 24.6 18.6 28.0

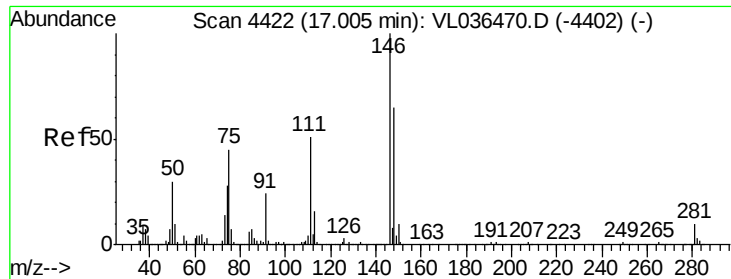
Abundance Ion 105.10 (104.80 to 105.80): V

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





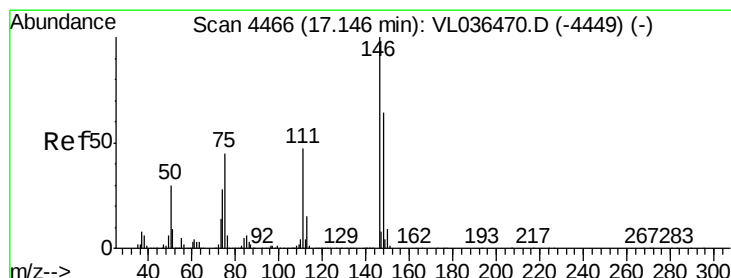
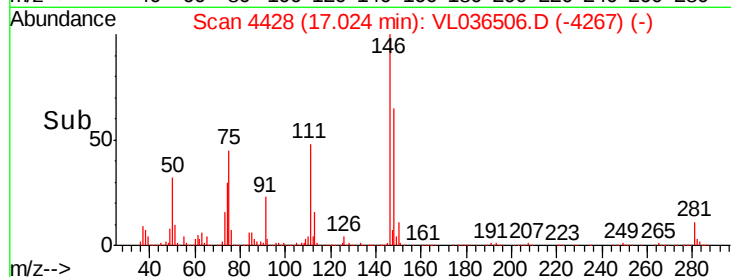
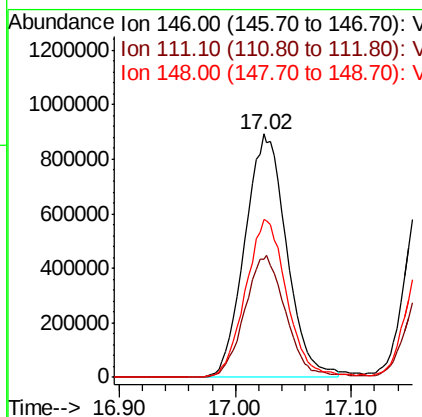
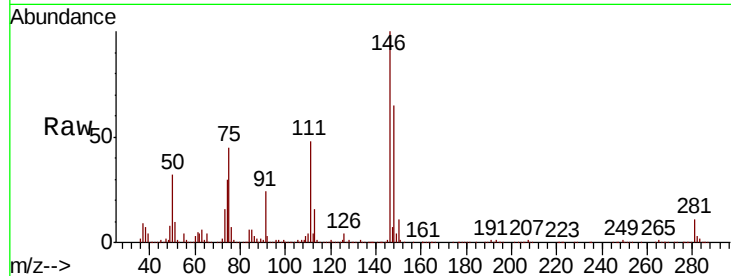
#75
 1,3-Dichlorobenzene
 Concen: 8.989 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. 0.02 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0326ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.2	24.5	73.5
148	64.2	32.3	96.9

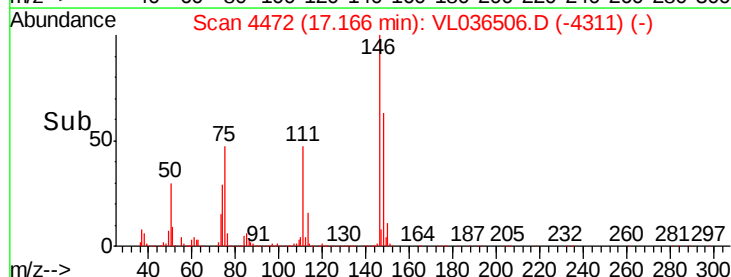
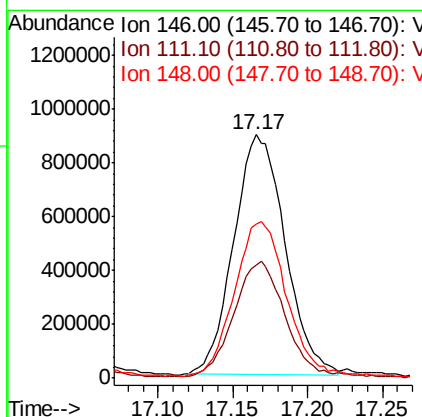
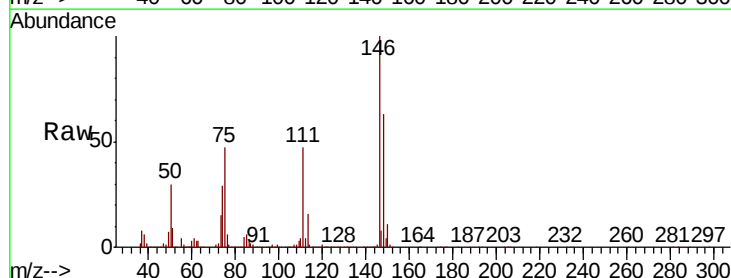
Manual Integrations
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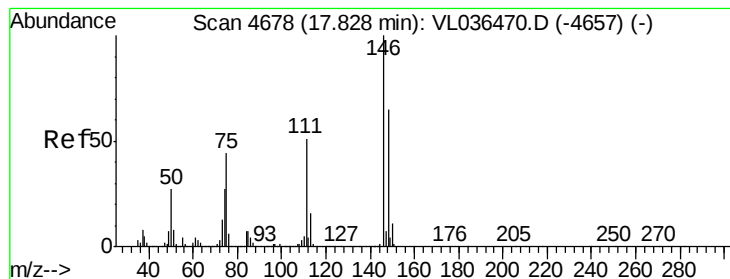
apatel
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#76
 1,4-Dichlorobenzene
 Concen: 8.678 ppbv
 RT: 17.17 min Scan# 4472
 Delta R.T. 0.02 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.5	24.3	72.8
148	66.3	33.0	98.9





#77

1,2-Dichlorobenzene

Concen: 8.961 ppbv

RT: 17.85 min Scan# 4684

Delta R.T. 0.02 min

Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

Instrument :

MSVOA_L

ClientSampleId :

VL0326ABS01

Tot Ion:146 Resp: 2090755

Ion Ratio Lower Upper

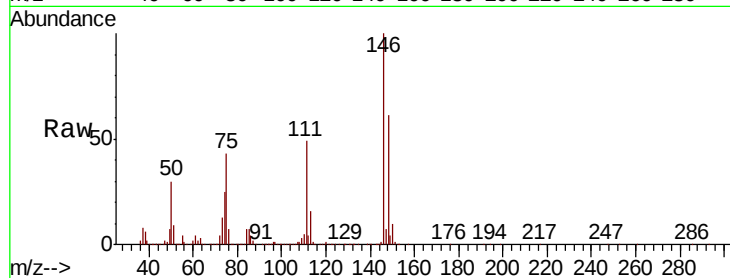
146 100

111 51.8 25.5 76.5

148 65.8 32.9 98.6

Manual Integrations
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apatel
4/1/2021 8:23:54 AM

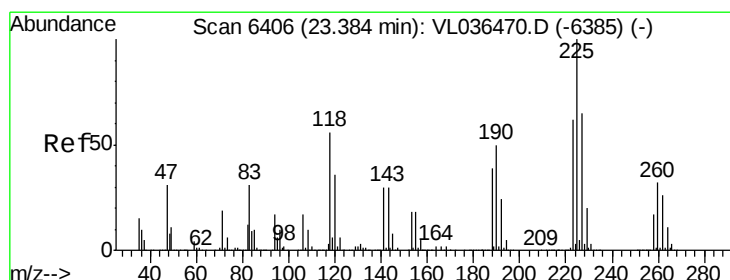
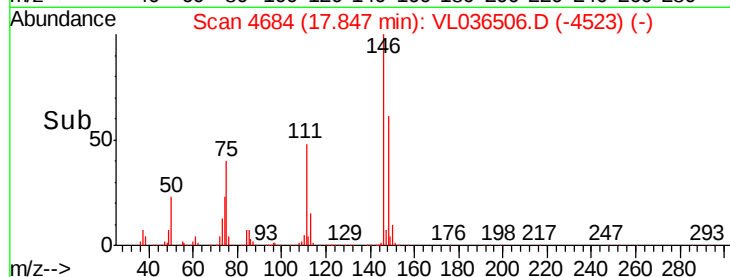
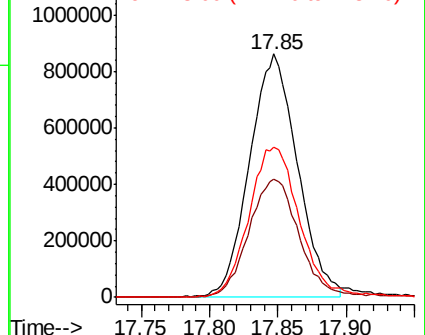


Abundance

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: 8.884 ppbv

RT: 23.40 min Scan# 6412

Delta R.T. 0.02 min

Lab File: VL036506.D

Acq: 26 Mar 2021 8:35

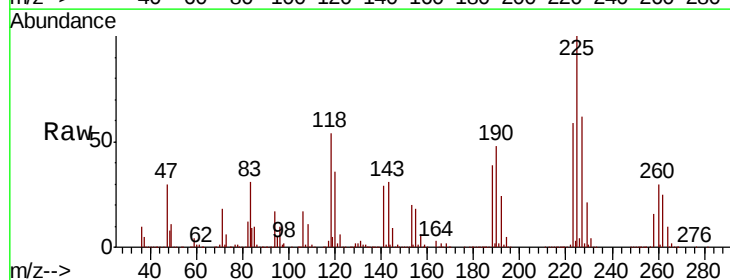
Tgt Ion:225 Resp: 1856261

Ion Ratio Lower Upper

225 100

223 64.2 50.6 75.8

227 65.6 52.2 78.2

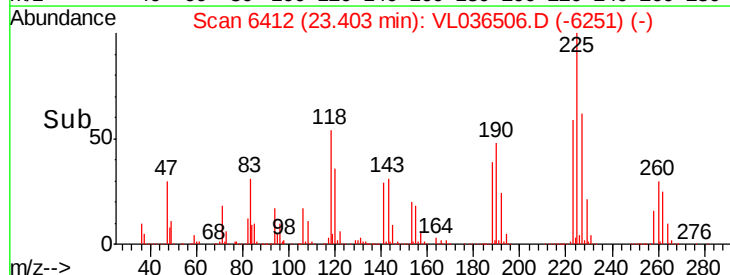
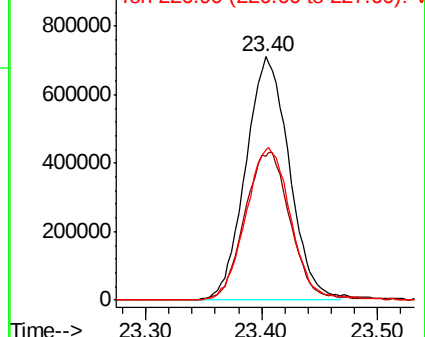


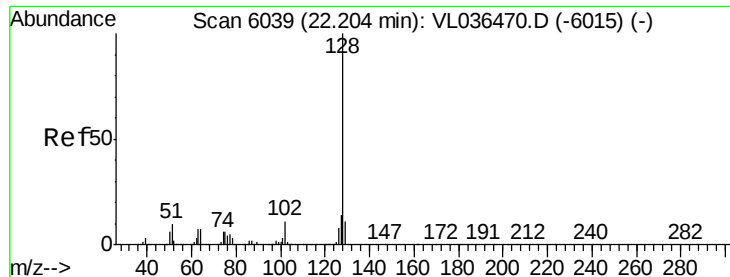
Abundance

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





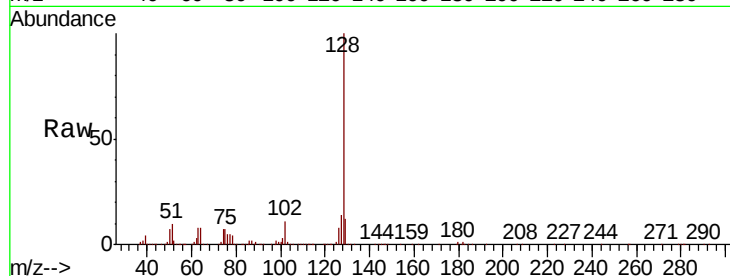
#79
Naphthalene
Concen: 12.842 ppbv
RT: 22.23 min Scan# 6048
Delta R.T. 0.03 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Instrument :
MSVOA_L
ClientSampled :
VL0326ABS01

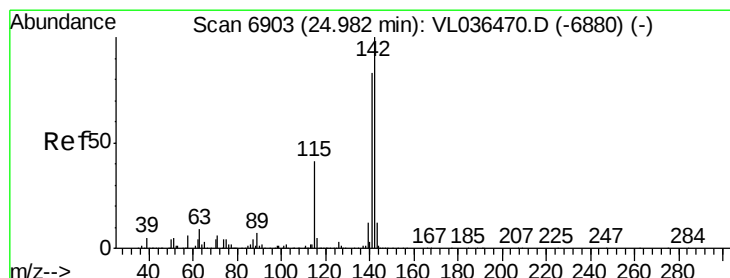
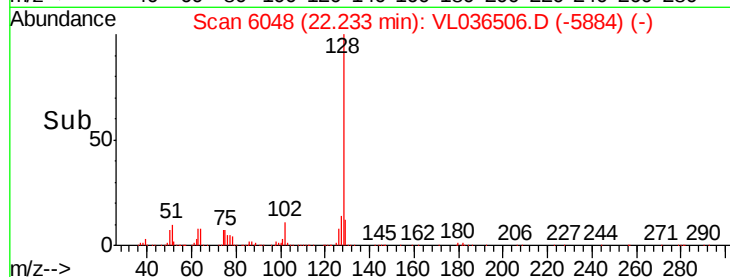
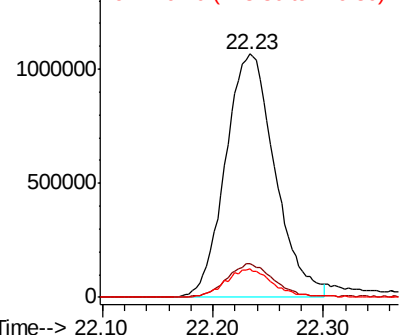
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.9	16.3
129	11.6	9.0	13.4

Manual Integrations
APPROVED

apatel
4/1/2021 8:23:54 AM

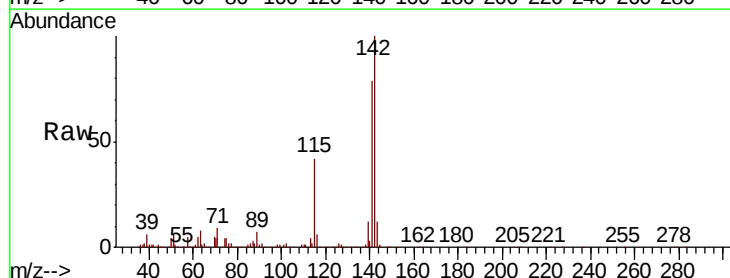


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

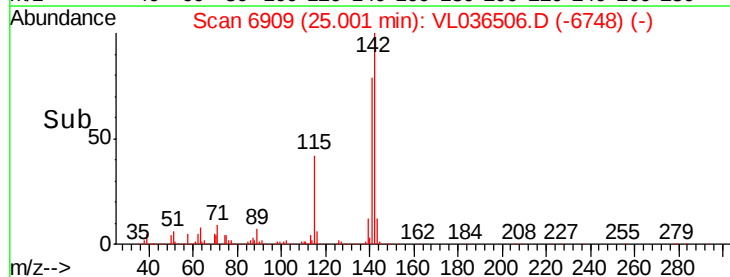
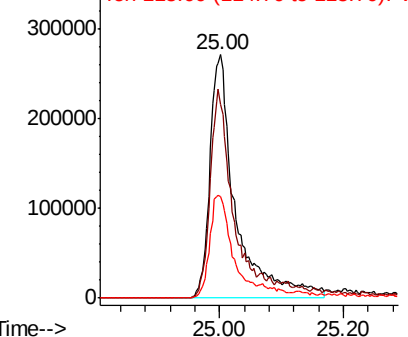


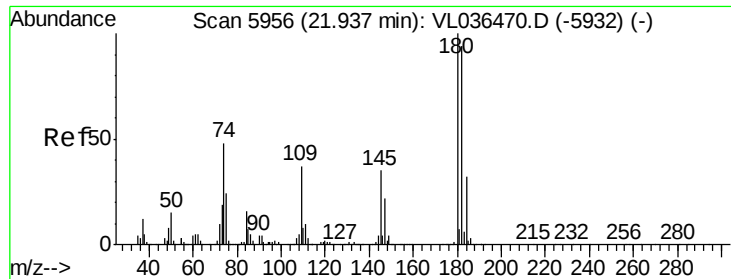
#80
Naphthalene, 2-methyl-
Concen: 15.546 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. 0.02 min
Lab File: VL036506.D
Acq: 26 Mar 2021 8:35

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.0	67.8	101.8
115	43.2	34.0	51.0



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





#81
 1,2,4-Trichlorobenzene
 Concen: 11.388 ppbv
 RT: 21.96 min Scan# 5964
 Delta R.T. 0.03 min
 Lab File: VL036506.D
 Acq: 26 Mar 2021 8:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0326ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.5	80.8	121.2
184	31.9	25.0	37.4

Manual Integrations
 APPROVED

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 4/1/2021 8:23:54 AM

