

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036561.D
 Acq On : 30 Mar 2021 7:47
 Operator : SY/AP
 Sample : VL0330ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0330ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2021 10:57:28 AM

Quant Time: Mar 30 08:41:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 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	5.65	49	1425509	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3380801	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3177150m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2703594	10.68	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1963569	8.445	ppbv	94
3) Chlorodifluoromethane	2.97	51	2491628	9.355	ppbv	100
4) Chloromethane	3.12	50	855365	9.092	ppbv	99
5) Vinyl Chloride	3.24	62	844203	8.727	ppbv	100
6) Bromomethane	3.45	94	471276	8.849	ppbv	98
7) Chloroethane	3.54	64	296289	8.914	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2021897	9.111	ppbv	98
9) Propene	2.99	41	750432	8.838	ppbv	100
10) Heptane	8.09	43	2005894	9.274	ppbv	99
11) Trichlorofluoromethane	3.93	101	2173843	9.174	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1392258	9.190	ppbv	98
13) Ethanol	3.58	45	77975m	7.712	ppbv	
14) Bromoethene	3.72	108	576842	9.159	ppbv	99
15) Acetone	3.83	43	1229965	8.766	ppbv	97
16) 1,3-Butadiene	3.31	39	901151	9.226	ppbv	97
17) tert-Butyl alcohol	4.27	59	976382	7.994	ppbv	99
18) 1,1-Dichloroethene	4.27	96	585366	8.687	ppbv	93
19) Isopropyl Alcohol	3.95	45	532350m	6.897	ppbv	
20) Methylene Chloride	4.32	84	540825	8.233	ppbv	96
21) Allyl Chloride	4.39	41	960472	8.588	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	576255	9.224	ppbv	95
23) Vinyl Acetate	5.05	43	2114378	8.810	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1555111	8.890	ppbv	98
25) Ethyl Acetate	5.65	43	2918360	8.749	ppbv	99
26) Hexane	5.66	57	1406943	9.089	ppbv	97
27) Carbon Disulfide	4.53	76	1546496	10.142	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1491359	8.170	ppbv	99
29) Chloroform	5.73	83	2234371	9.026	ppbv	100
30) Cyclohexane	7.10	84	1166300	9.290	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1332379	8.899	ppbv	98
32) 1,1,1-Trichloroethane	6.48	97	2228940	8.934	ppbv	98
34) 2-Butanone	5.22	43	1383524	8.384	ppbv	100
35) Carbon Tetrachloride	6.99	117	2339731	9.010	ppbv	98
36) Benzene	6.86	78	2867176	9.196	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1666139	9.079	ppbv	99
38) Trichloroethene	7.81	130	1048438	8.640	ppbv	98
39) 1,2-Dichloropropane	7.58	63	1153050	9.116	ppbv	97
40) 1,4-Dioxane	7.80	88	226223m	7.685	ppbv	
41) Tetrahydrofuran	6.03	42	549862	7.226	ppbv	94
42) Bromodichloromethane	7.76	83	2379880	9.534	ppbv	99
43) Methyl Methacrylate	7.99	69	1096258	10.470	ppbv	97

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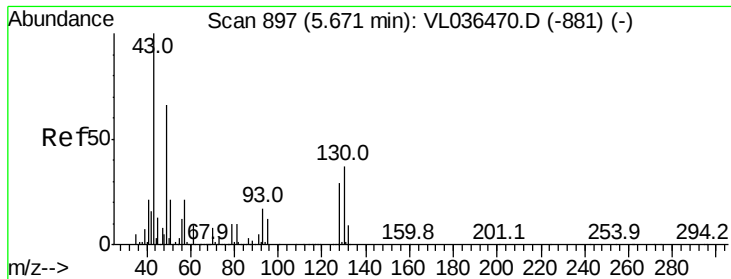
Manual Integrations
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 4/1/2021 10:57:28 AM

Quant Time: Mar 30 08:41:23 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)
44) 2,2,4-Trimethylpentane	7.84	57	4931335	8.986	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	961689	8.044	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1243257	8.135	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	1169758	9.131	ppbv	98
48) Dibromochloromethane	10.28	129	1929918	9.882	ppbv	100
49) Bromoform	13.01	173	1584863	10.072	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2117231	8.867	ppbv	98
51) 2-Hexanone	10.11	43	1148360	9.530	ppbv #	98
52) Tetrachloroethene	11.20	164	974526	8.488	ppbv	97
53) Toluene	9.78	91	3208059	9.662	ppbv	100
54) 1,2-Dibromoethane	10.58	107	1677527	9.272	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1360074m	9.464	ppbv	
57) Chlorobenzene	12.12	112	2370342	8.768	ppbv	99
58) Ethyl Benzene	12.68	91	4372821	9.460	ppbv	98
59) m/p-Xylene	12.97	91	7443651m	18.463	ppbv	
60) o-Xylene	13.66	91	3537272	9.074	ppbv	100
61) Styrene	13.50	104	1895455	9.665	ppbv	99
62) Isopropylbenzene	14.64	105	4855333	9.249	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2544715	8.557	ppbv	99
64) n-propylbenzene	15.54	120	1274161	9.927	ppbv	98
65) tert-Butylbenzene	16.72	119	4192993	9.211	ppbv	99
66) Benzyl Chloride	16.96	91	497890	9.895	ppbv	99
67) sec-Butylbenzene	17.27	105	5933668	9.234	ppbv	100
69) p-Isopropyltoluene	17.63	119	4857669	9.681	ppbv	100
70) n-Butylbenzene	18.52	91	5070252	9.746	ppbv	99
71) 2-Chlorotoluene	15.43	91	3791795	9.639	ppbv	99
72) 4-Ethyltoluene	15.81	105	4127779	9.663	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	3681360	9.234	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	3853855	9.033	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	2246100	9.353	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2139659	8.974	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2128065	9.427	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1637213	8.098	ppbv	99
79) Naphthalene	22.17	128	2477372	9.951	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	332924	6.781	ppbv	93
81) 1,2,4-Trichlorobenzene	21.90	180	1508449	9.814	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.03 min

Lab File: VL036561.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0330ABS01

Tot Ion: 49 Resp: 1425509

Ion Ratio Lower Upper

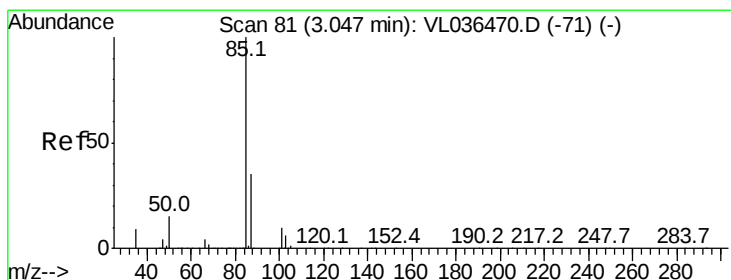
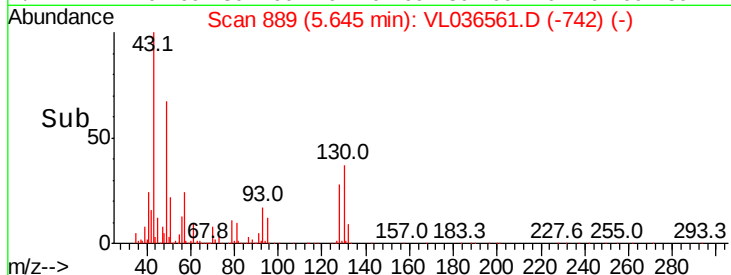
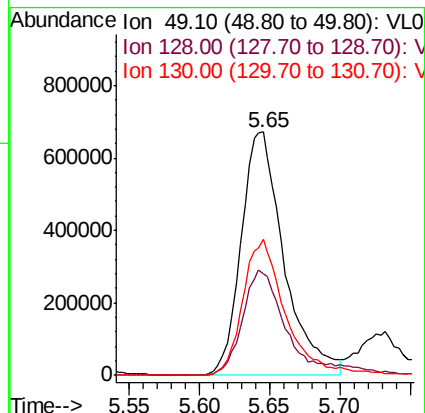
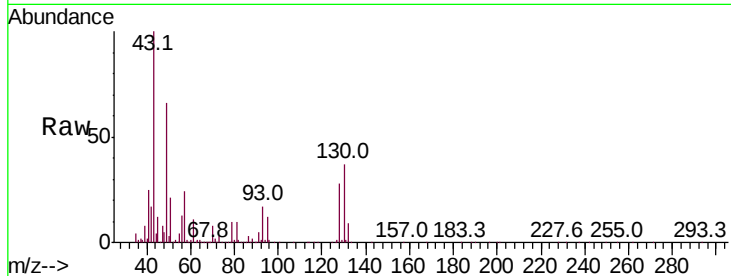
49 100

128 46.5 23.5 70.6

130 56.8 29.1 87.4

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#2

Dichlorodifluoromethane

Concen: 8.445 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.02 min

Lab File: VL036561.D

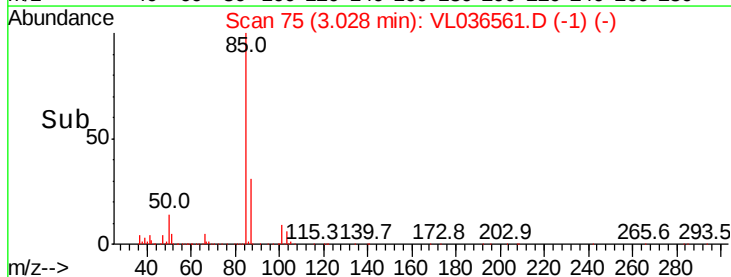
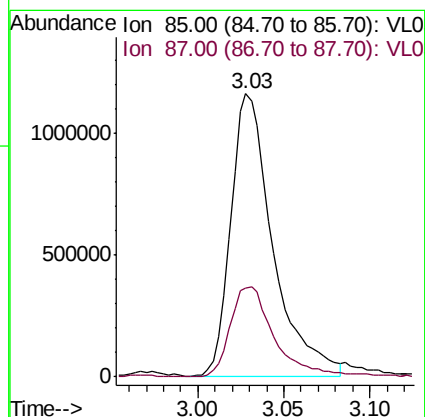
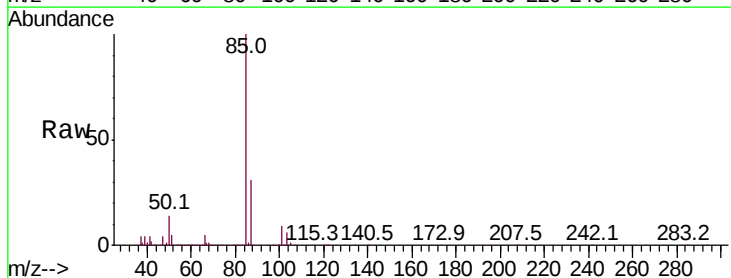
Acq: 30 Mar 2021 7:47

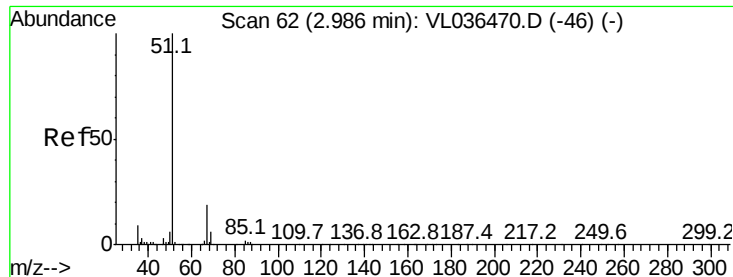
Tgt Ion: 85 Resp: 1963569

Ion Ratio Lower Upper

85 100

87 31.3 27.8 41.8





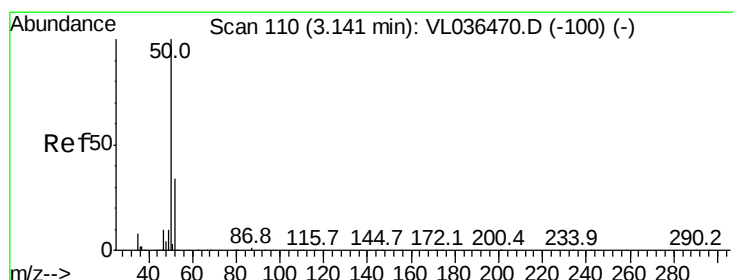
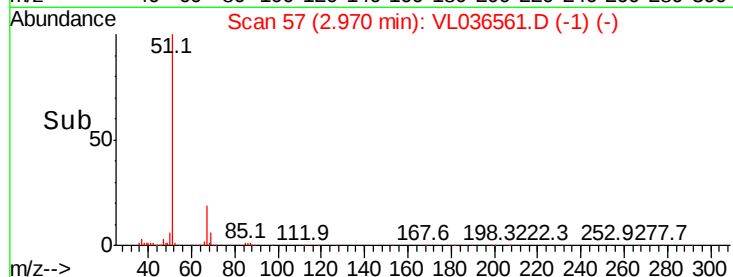
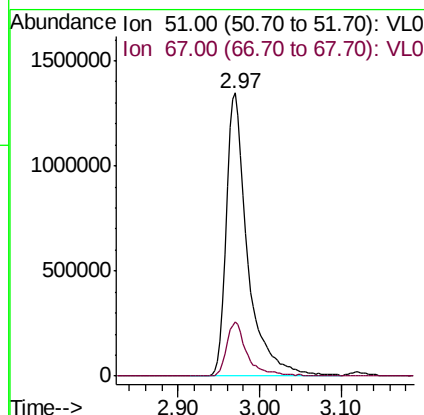
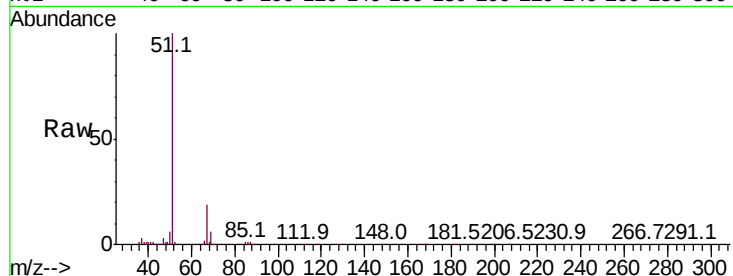
#3
Chlorodifluoromethane
Concen: 9.355 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.02 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :
VL0330ABS01

Tot Ion: 51 Resp: 2491628
Ion Ratio Lower Upper
51 100
67 18.6 14.7 22.1

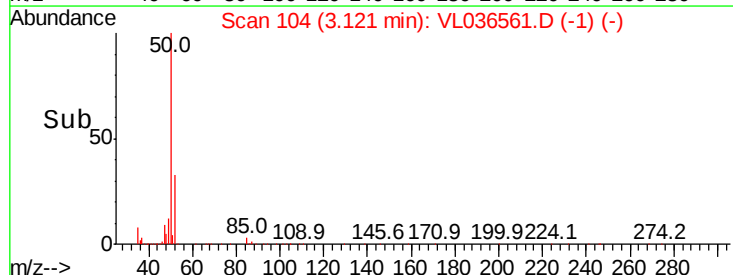
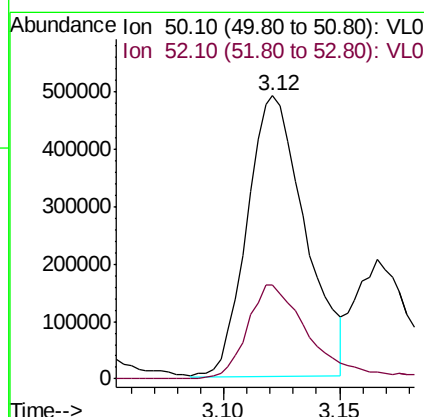
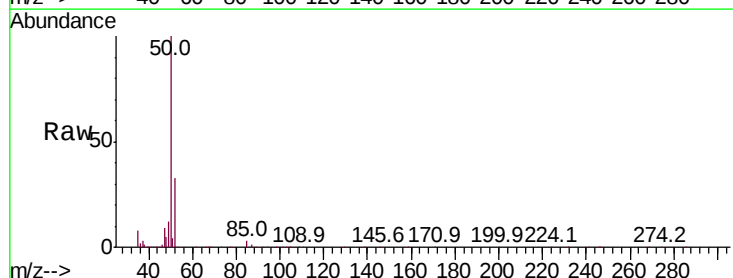
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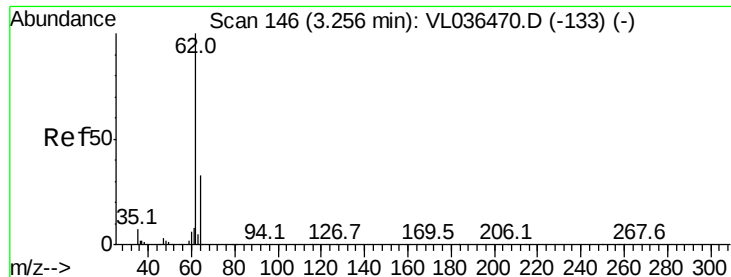
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#4
Chloromethane
Concen: 9.092 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.02 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion: 50 Resp: 855365
Ion Ratio Lower Upper
50 100
52 33.4 27.0 40.6





#5

Vinyl Chloride

Concen: 8.727 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.02 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

VL0330ABS01

Tot Ion: 62 Resp: 844203

Ion Ratio Lower Upper

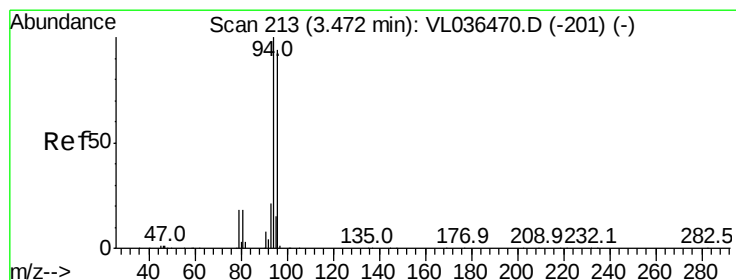
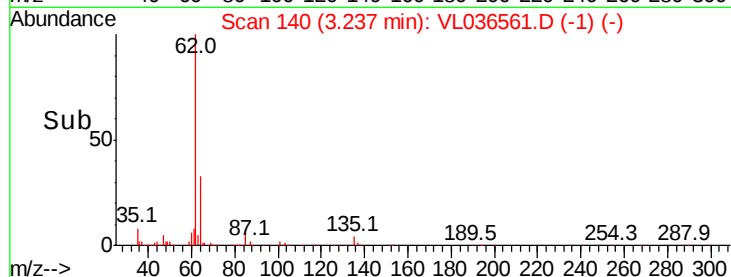
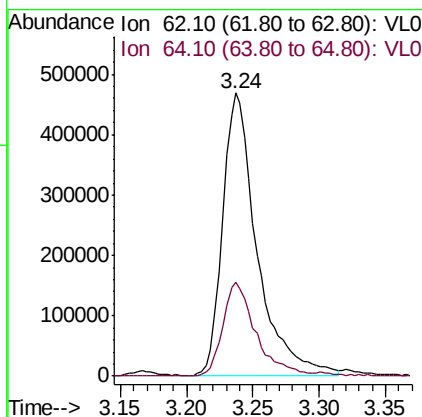
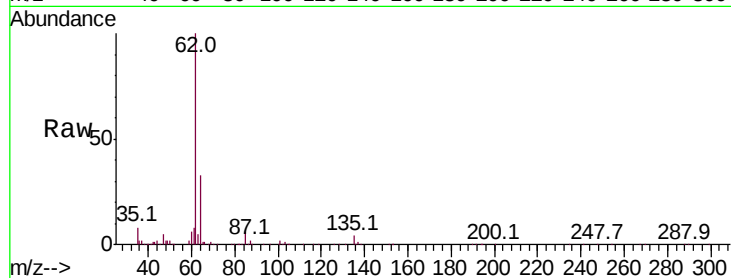
62 100

64 33.2 26.4 39.6

Manual Integrations
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#6

Bromomethane

Concen: 8.849 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.02 min

Lab File: VL036561.D

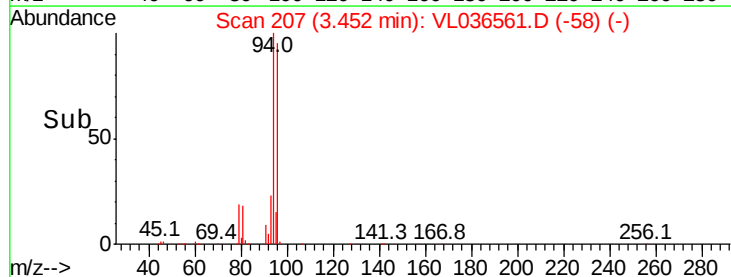
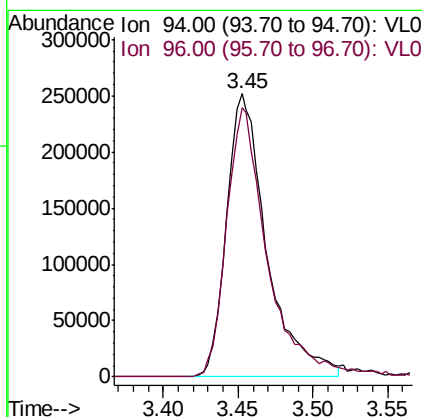
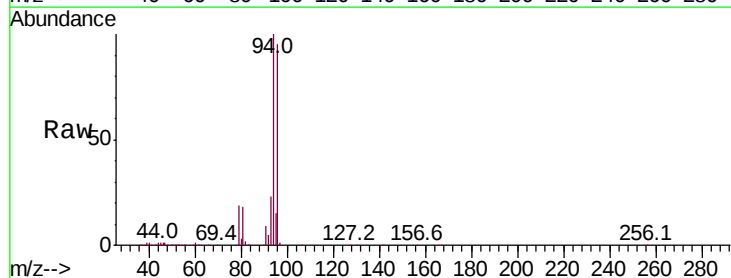
Acq: 30 Mar 2021 7:47

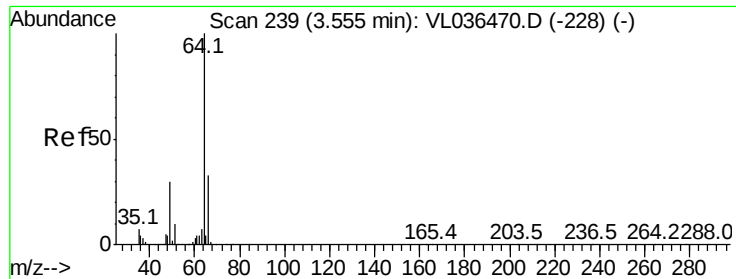
Tgt Ion: 94 Resp: 471276

Ion Ratio Lower Upper

94 100

96 95.2 74.9 112.3





#7

Chloroethane

Concen: 8.914 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.02 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

VL0330ABS01

Tot Ion: 64 Resp: 296289

Ion Ratio Lower Upper

64 100

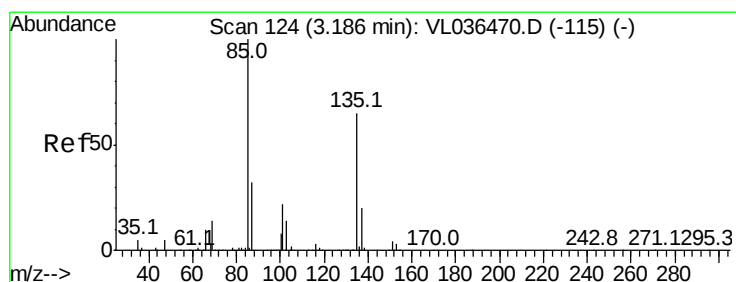
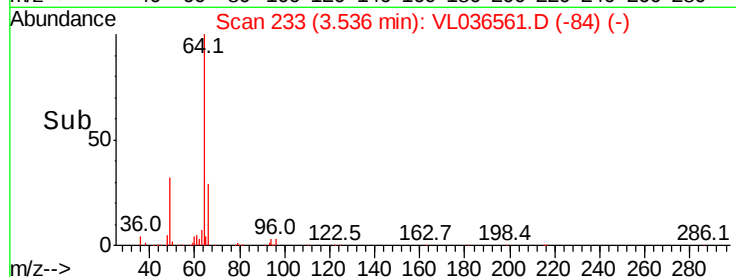
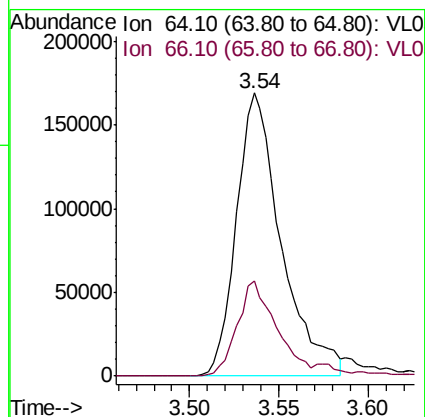
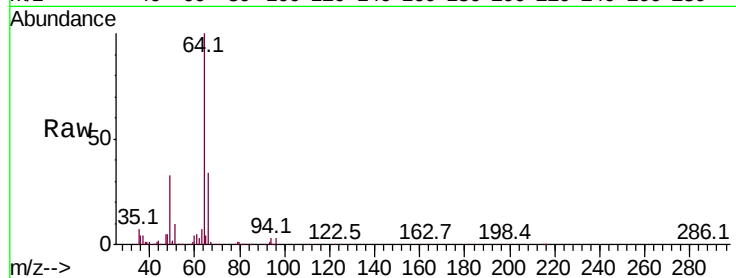
66 33.5 26.2 39.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.111 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.02 min

Lab File: VL036561.D

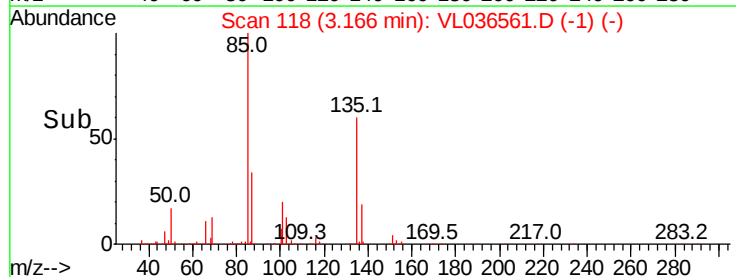
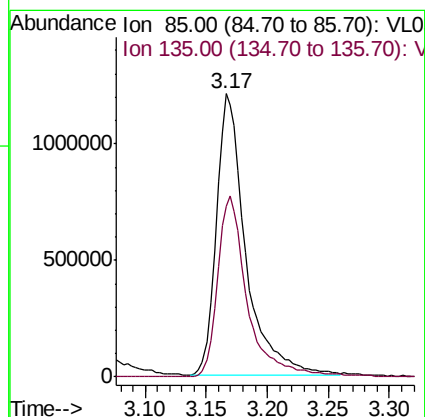
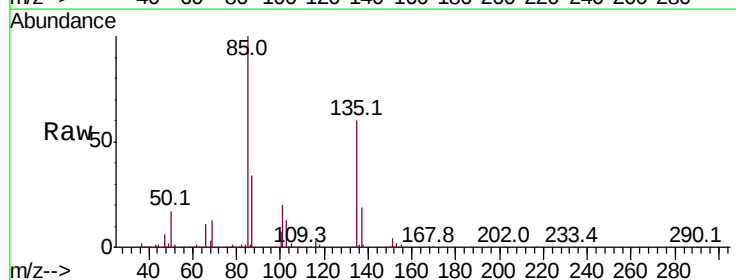
Acq: 30 Mar 2021 7:47

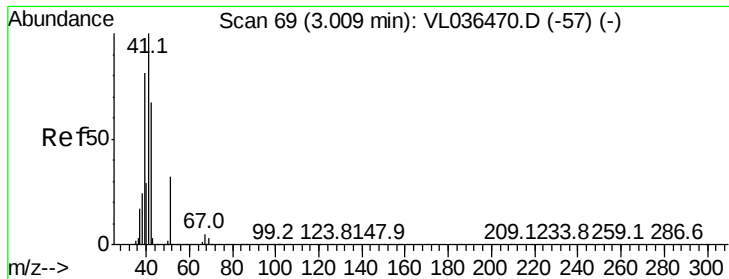
Tgt Ion: 85 Resp: 2021897

Ion Ratio Lower Upper

85 100

135 66.7 54.3 81.5





#9

Propene

Concen: 8.838 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

VL0330ABS01

Tot Ion: 41 Resp: 750432

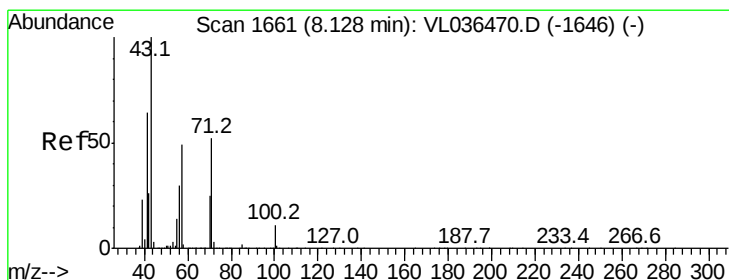
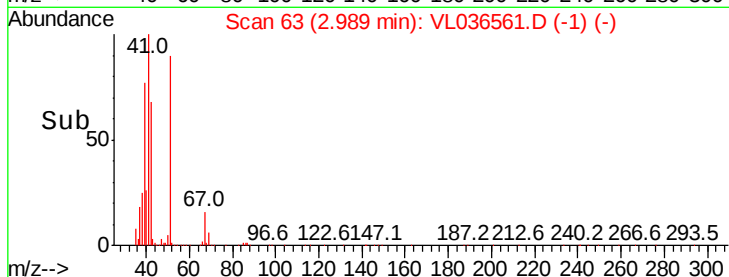
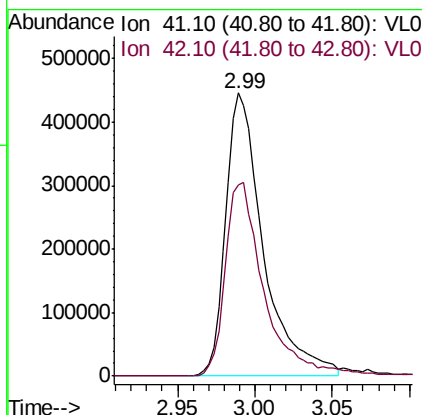
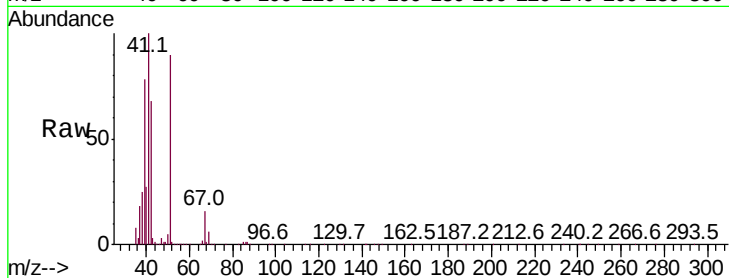
Ion Ratio Lower Upper

41 100

42 71.3 57.0 85.4

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#10

Heptane

Concen: 9.274 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.04 min

Lab File: VL036561.D

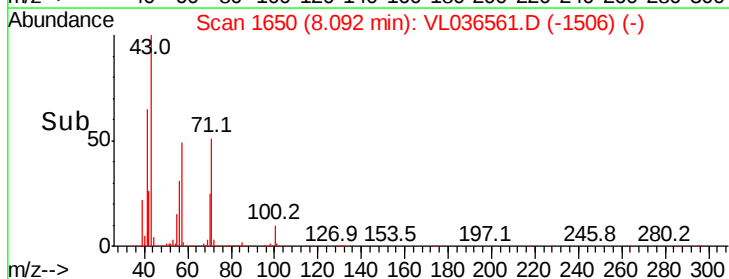
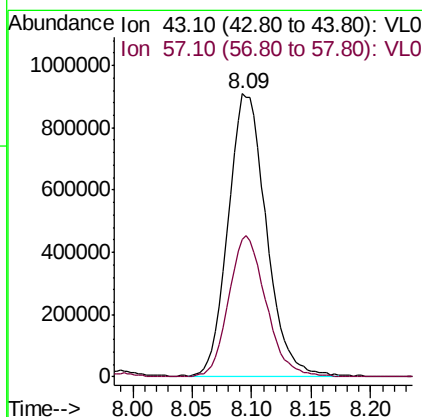
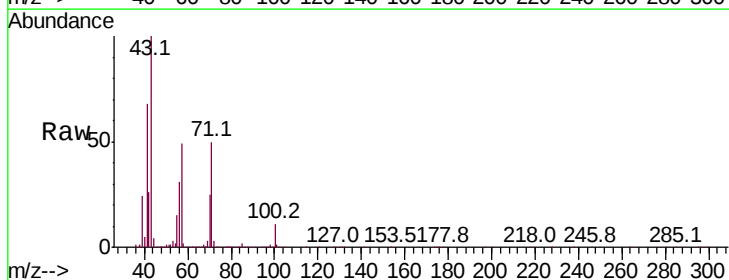
Acq: 30 Mar 2021 7:47

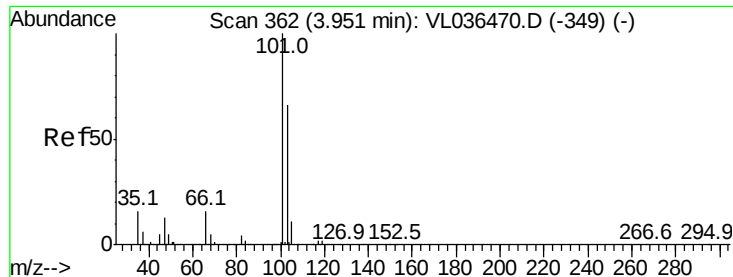
Tgt Ion: 43 Resp: 2005894

Ion Ratio Lower Upper

43 100

57 49.5 39.0 58.6





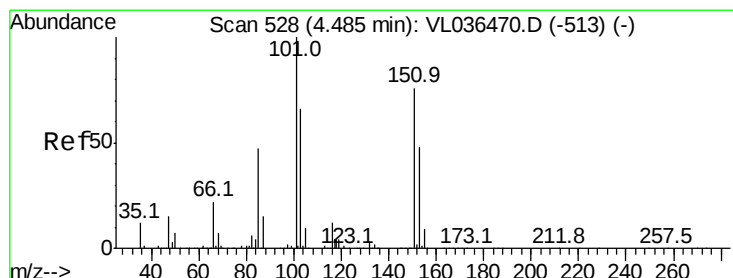
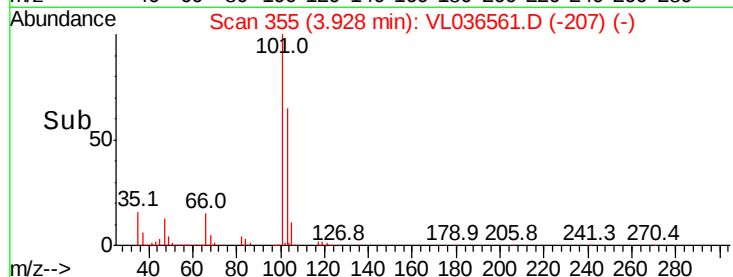
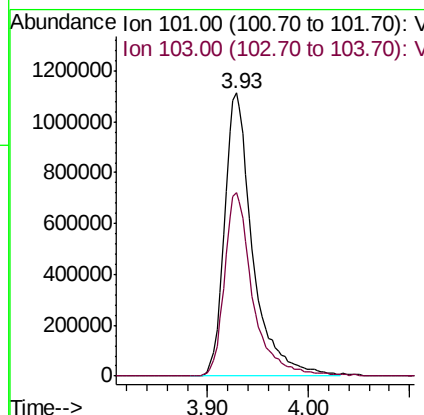
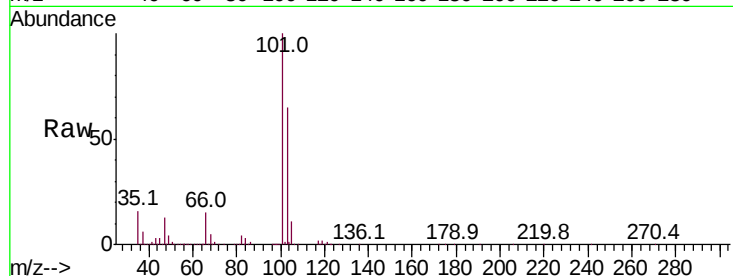
#11
 Trichlorofluoromethane
 Concen: 9.174 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0330ABS01

Tot Ion:101 Resp: 2173843
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.5 78.7

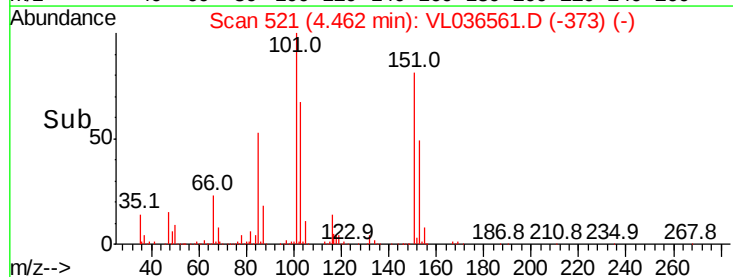
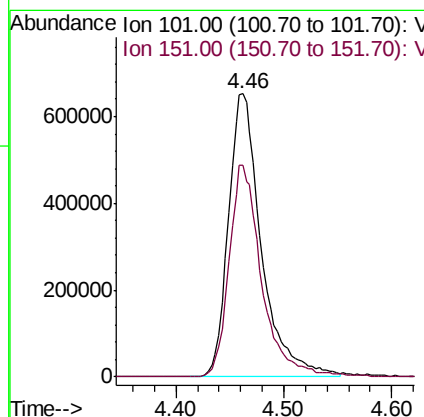
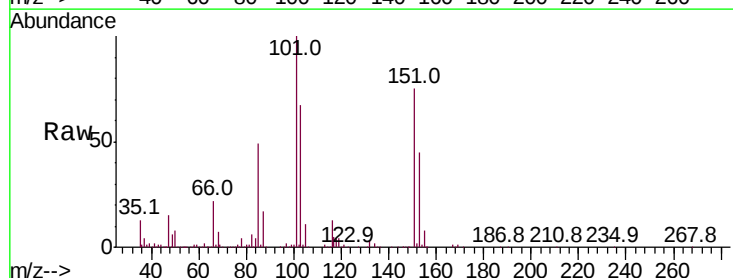
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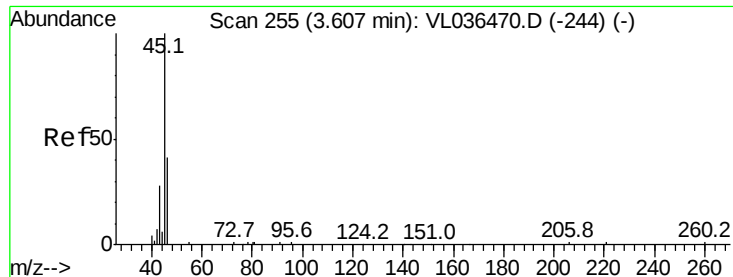
MMDadoda
 4/1/2021 10:57:28 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.190 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Tgt Ion:101 Resp: 1392258
 Ion Ratio Lower Upper
 101 100
 151 74.1 60.9 91.3





#13

Ethanol

Concen: 7.712 ppbv m

RT: 3.58 min Scan# 248

Delta R.T. -0.02 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

VL0330ABS01

Tot Ion: 45 Resp: 77975

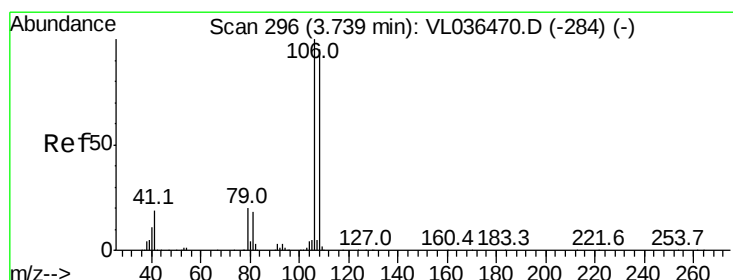
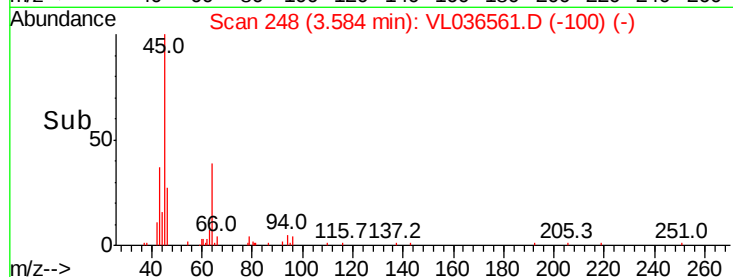
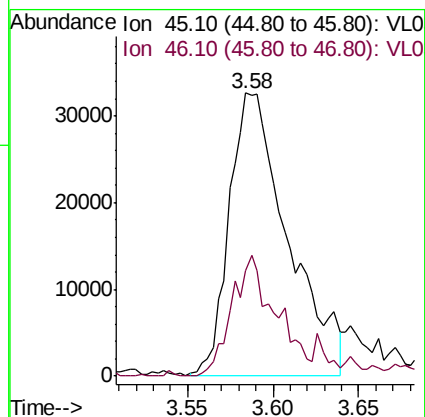
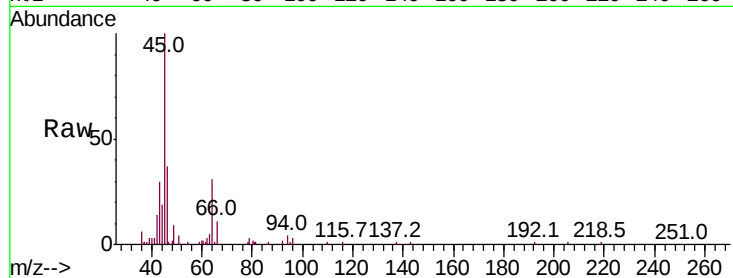
Ion Ratio Lower Upper

45 100

46 36.6 16.6 66.2

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#14

Bromoethene

Concen: 9.159 ppbv

RT: 3.72 min Scan# 290

Delta R.T. -0.02 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

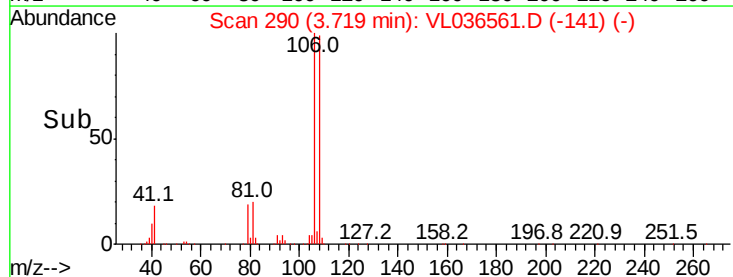
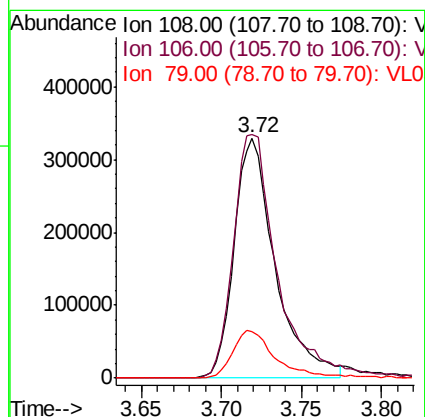
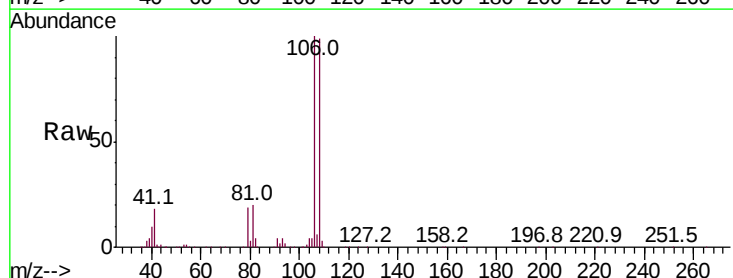
Tgt Ion: 108 Resp: 576842

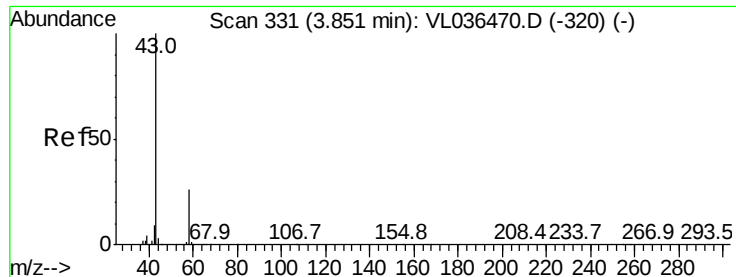
Ion Ratio Lower Upper

108 100

106 110.2 89.0 133.6

79 21.4 16.6 25.0





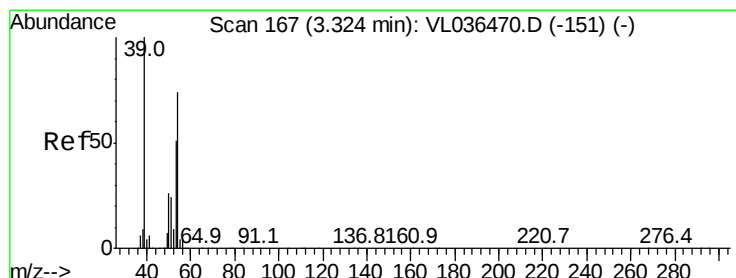
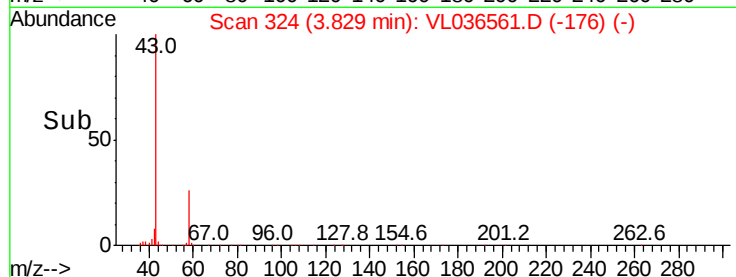
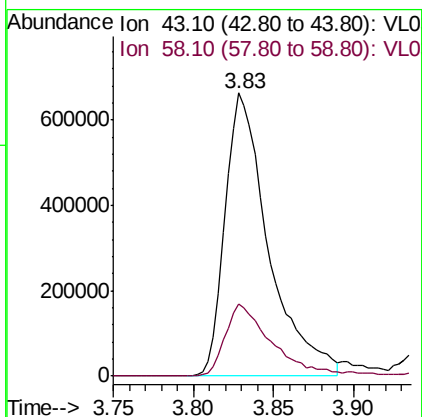
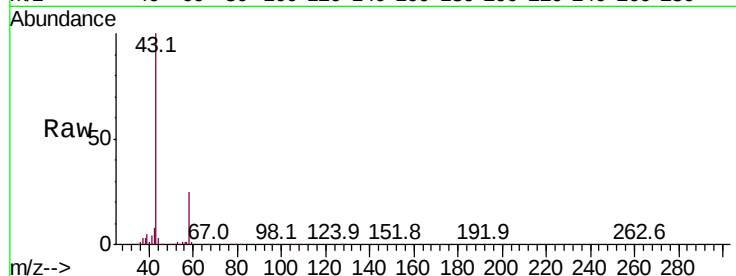
#15
Acetone
Concen: 8.766 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.02 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :
VL0330ABS01

Tot Ion: 43 Resp: 1229965
Ion Ratio Lower Upper
43 100
58 27.9 21.2 31.8

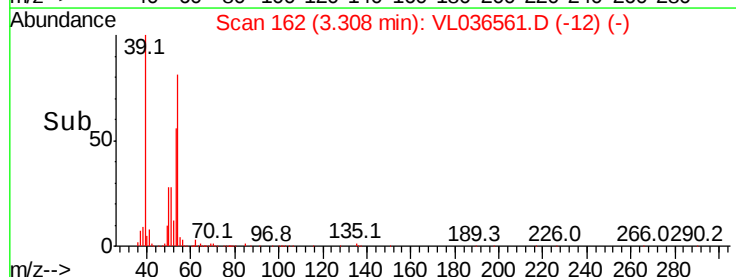
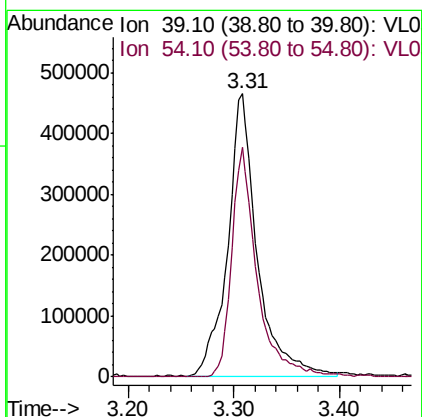
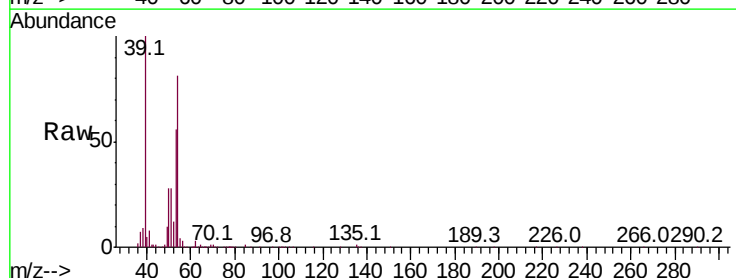
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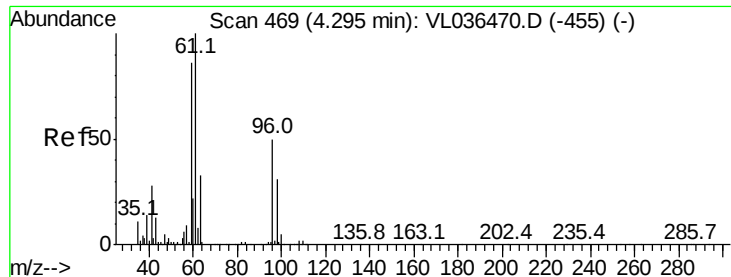
MMDadoda
4/1/2021 10:57:28 AM



#16
1,3-Butadiene
Concen: 9.226 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.02 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion: 39 Resp: 901151
Ion Ratio Lower Upper
39 100
54 70.6 58.8 88.2





#17

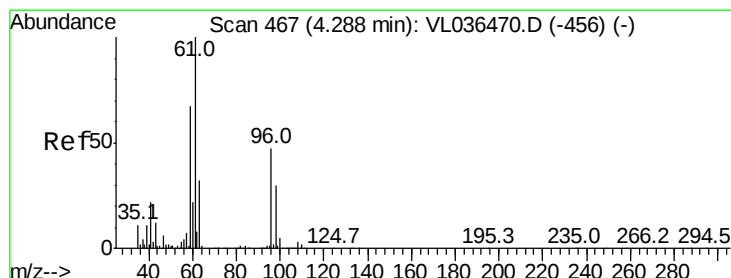
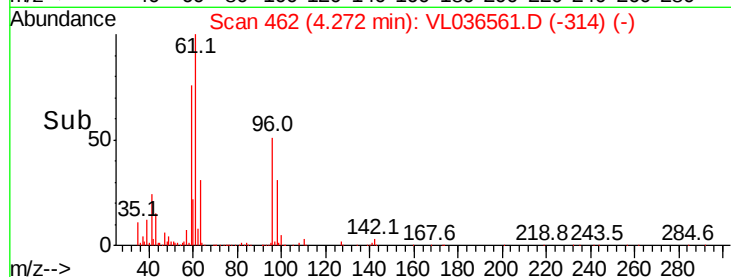
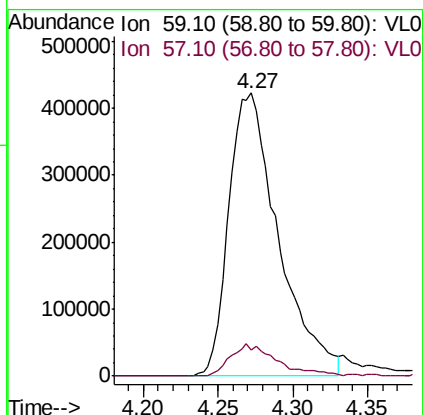
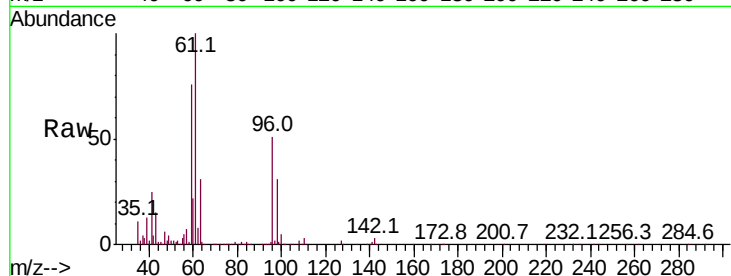
tert-Butyl alcohol
Concen: 7.994 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.02 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :
VL0330ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	12.8

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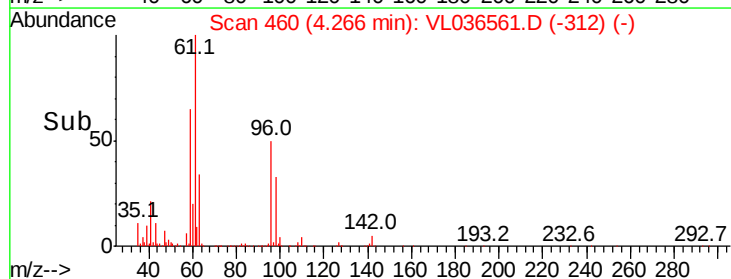
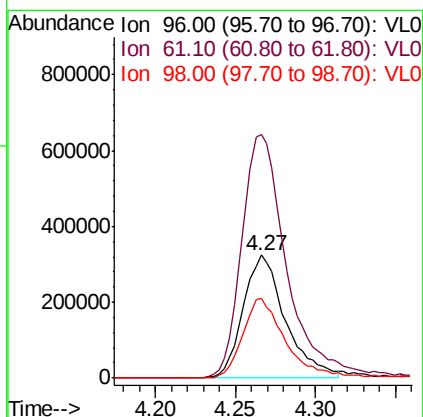
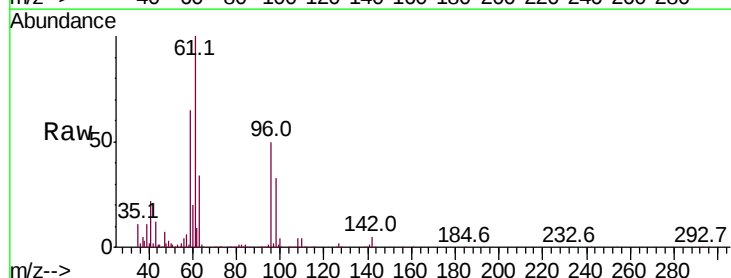
MMDadoda
4/1/2021 10:57:28 AM

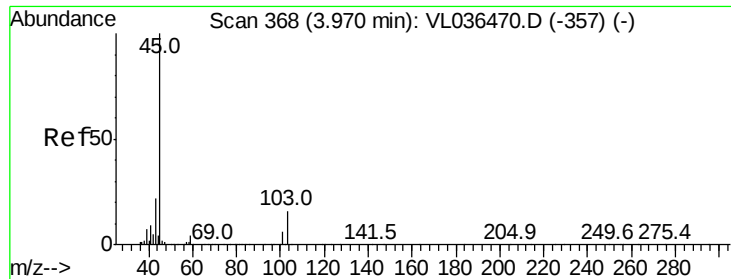


#18

1,1-Dichloroethene
Concen: 8.687 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.02 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	198.1	168.6	253.0
98	65.0	50.8	76.2





#19

Isopropyl Alcohol

Concen: 6.897 ppbv m

RT: 3.95 min Scan# 361

Delta R.T. -0.02 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

VL0330ABS01

Tot Ion: 45 Resp: 532350

Ion Ratio Lower Upper

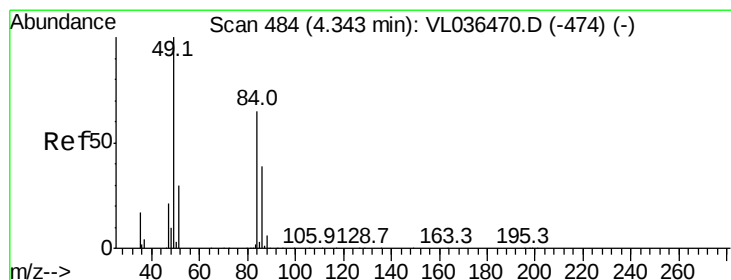
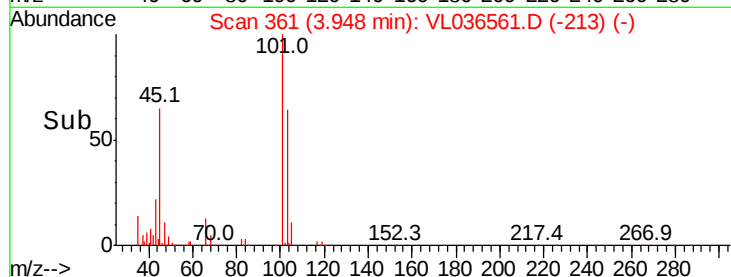
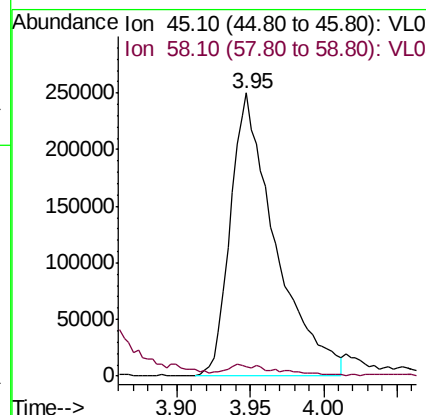
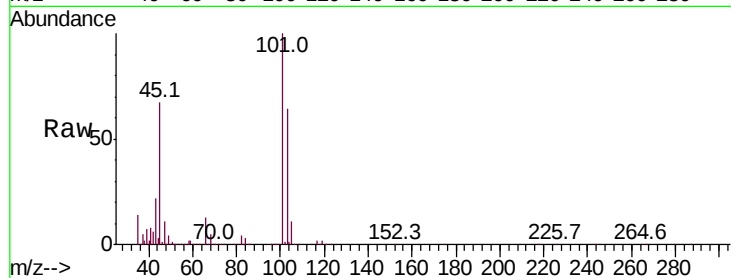
45 100

58 4.4 2.9 4.3#

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#20

Methylene Chloride

Concen: 8.233 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Tgt Ion: 84 Resp: 540825

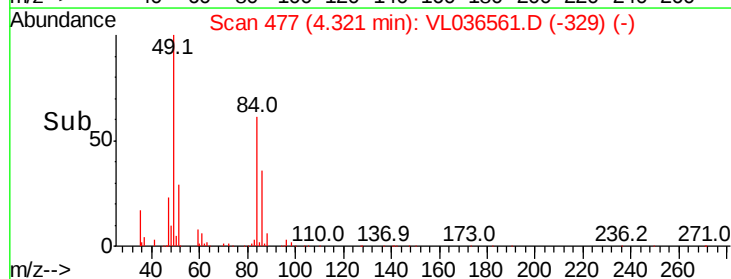
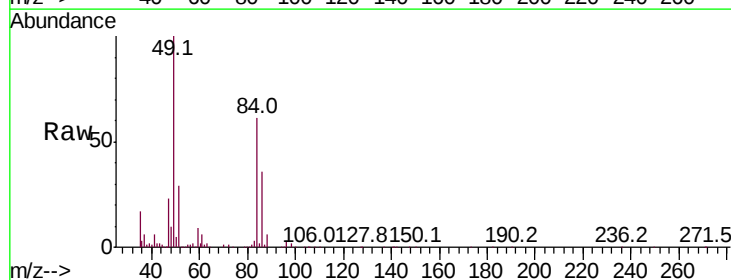
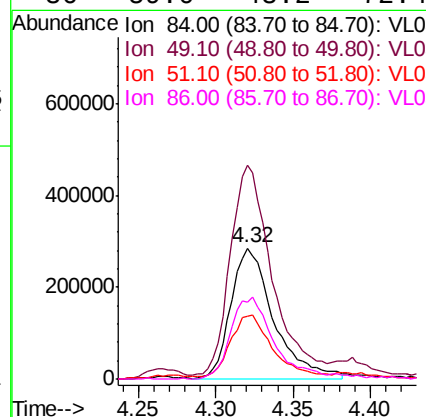
Ion Ratio Lower Upper

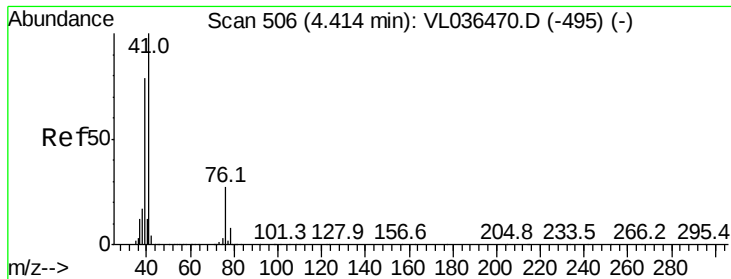
84 100

49 161.2 122.9 184.3

51 45.6 36.9 55.3

86 59.0 48.2 72.4





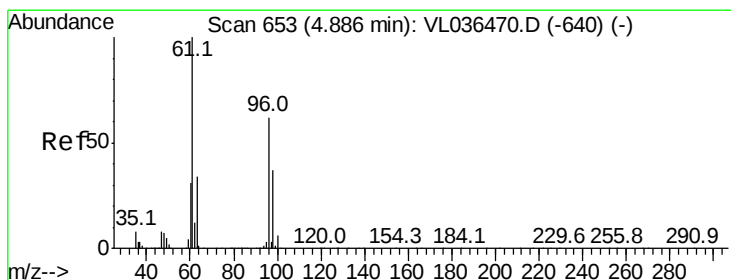
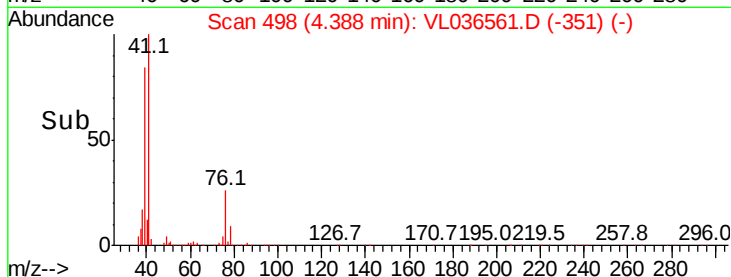
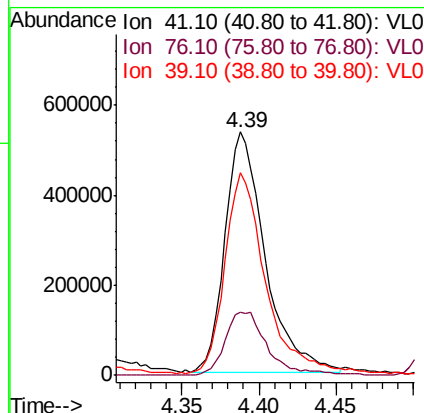
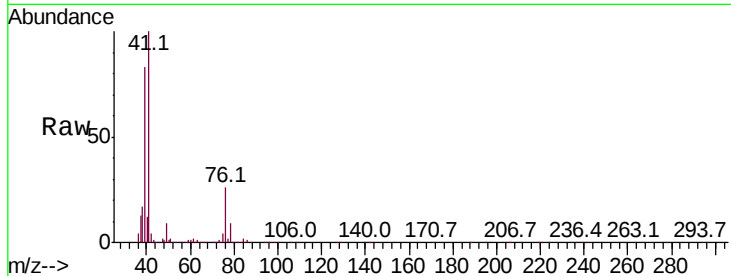
#21
Allvl Chloride
Concen: 8.588 ppbv
RT: 4.39 min Scan# 498
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :
VL0330ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.2	22.9	34.3
39	86.2	67.3	100.9

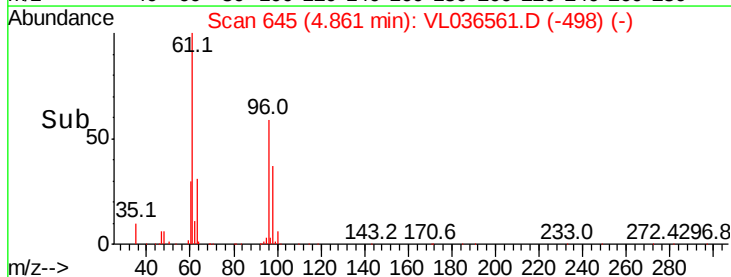
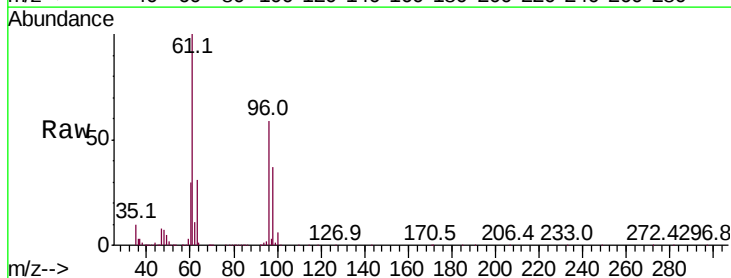
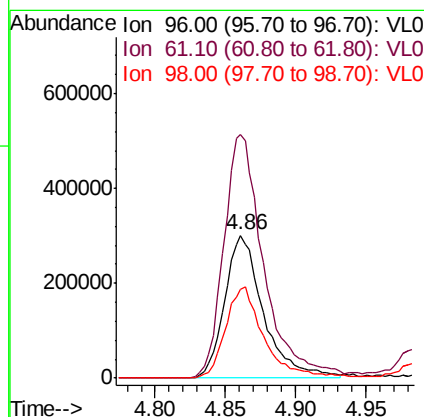
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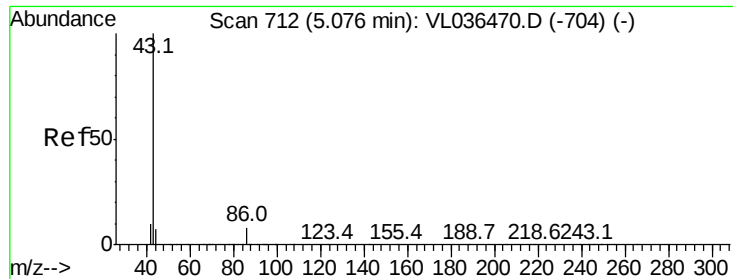
MMDadoda
4/1/2021 10:57:28 AM



#22
trans-1,2-Dichloroethene
Concen: 9.224 ppbv
RT: 4.86 min Scan# 645
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.8	129.4	194.0
98	62.6	48.2	72.4





#23

Vinyl Acetate

Concen: 8.810 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

VL0330ABS01

Tot Ion: 43 Resp: 2114378

Ion Ratio Lower Upper

43 100

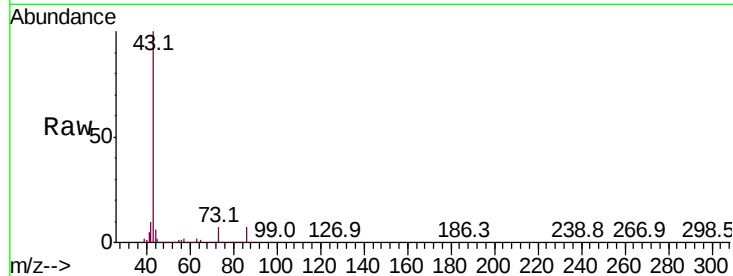
86 7.4 5.4 8.0

42 9.5 8.5 12.7

44 5.7 4.6 7.0

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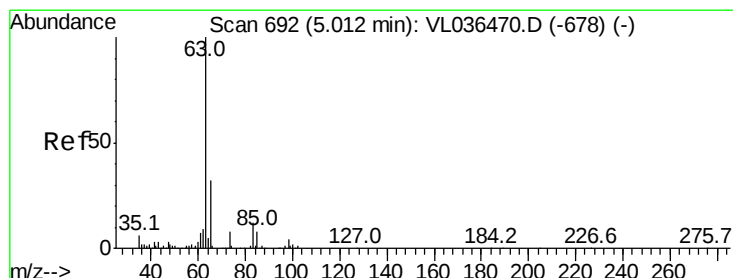
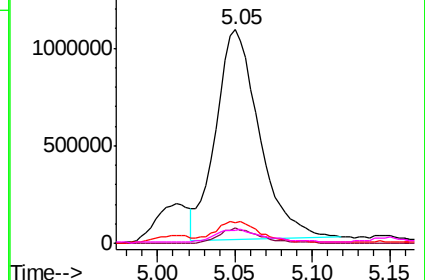
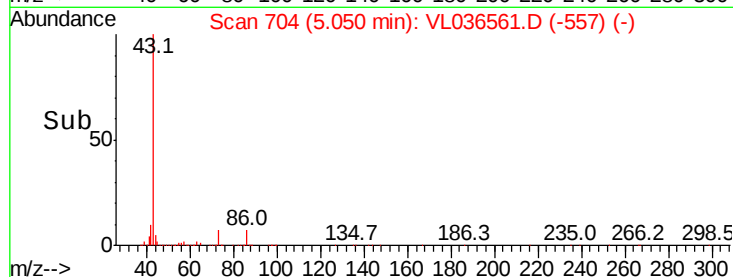


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.890 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.02 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

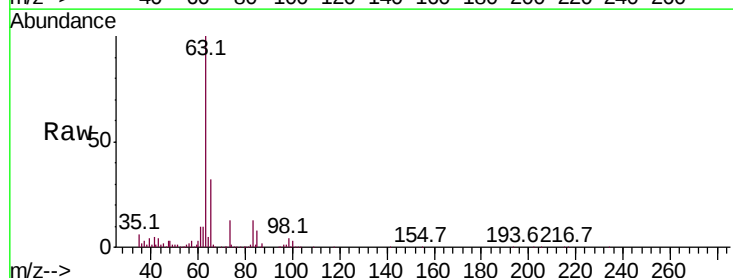
Tgt Ion: 63 Resp: 1555111

Ion Ratio Lower Upper

63 100

98 3.6 2.1 6.2

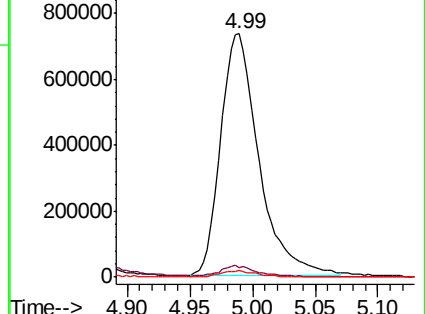
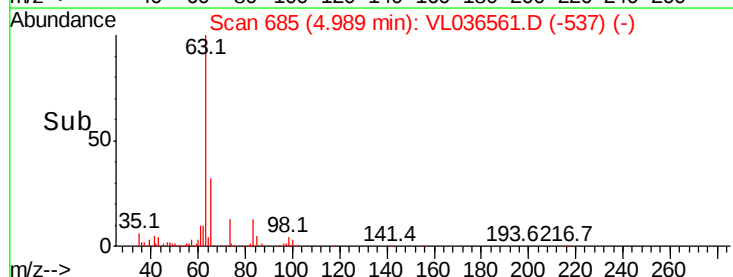
100 2.6 0.9 2.8

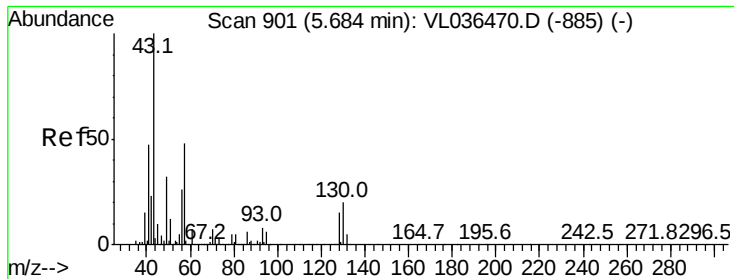


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





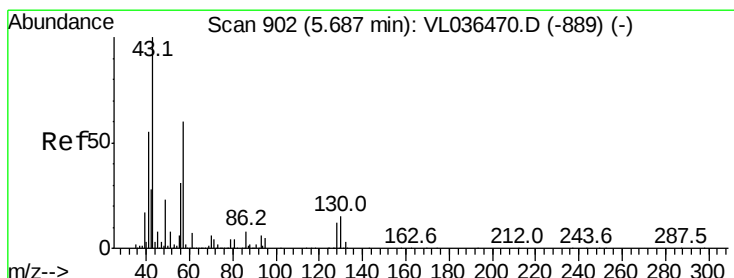
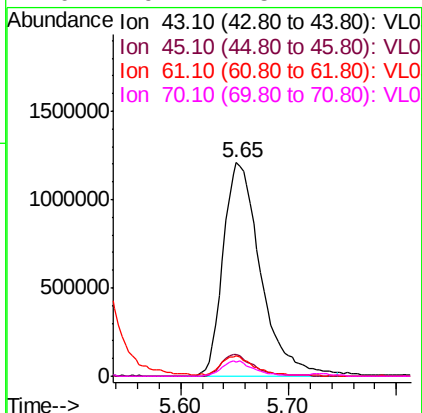
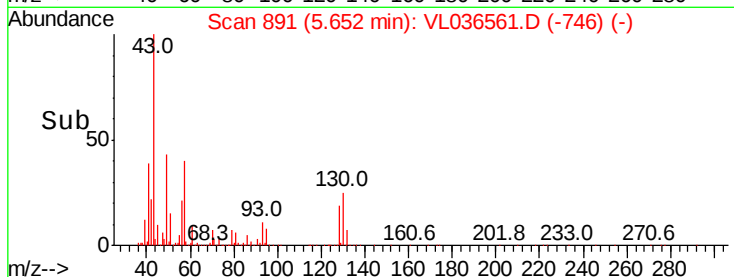
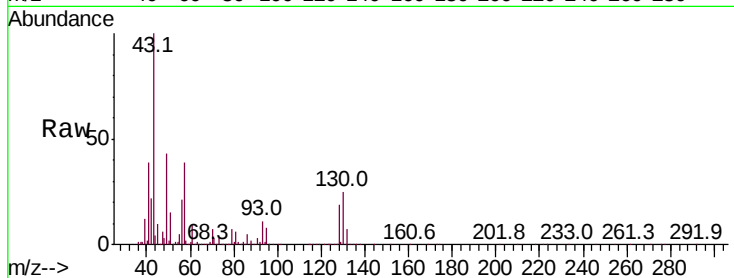
#25
Ethyl Acetate
Concen: 8.749 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :
VL0330ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.9	11.9
61	8.6	7.4	11.2
70	6.2	5.1	7.7

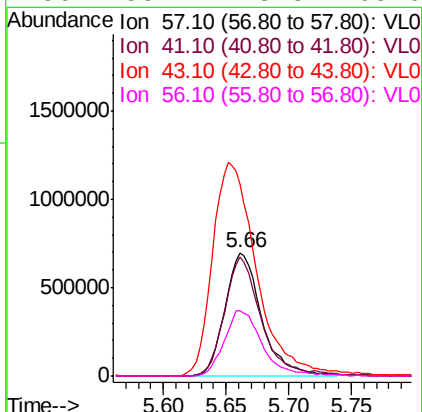
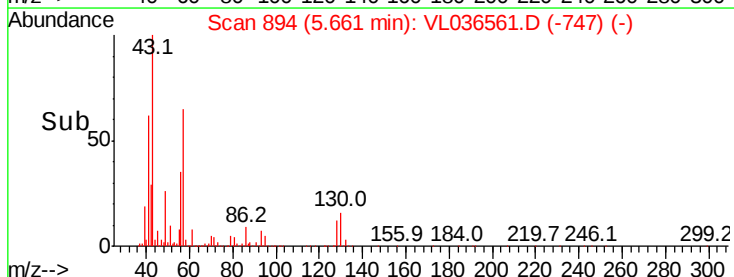
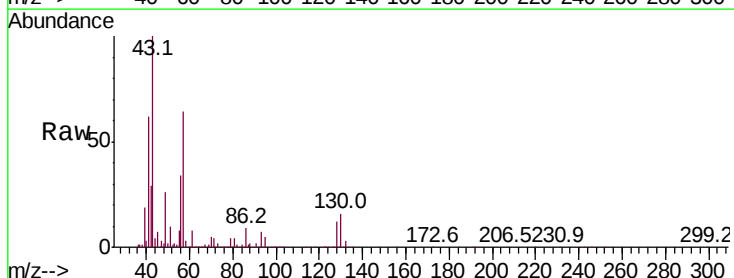
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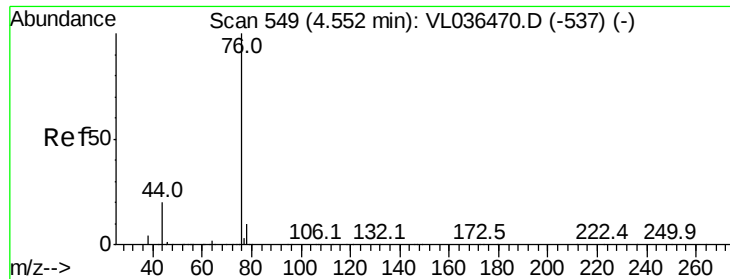
MMDadoda
4/1/2021 10:57:28 AM



#26
Hexane
Concen: 9.089 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion	Ratio	Lower	Upper
57	100		
41	98.4	77.2	115.8
43	210.6	173.8	260.6
56	55.7	43.8	65.6





#27

Carbon Disulfide

Concen: 10.142 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

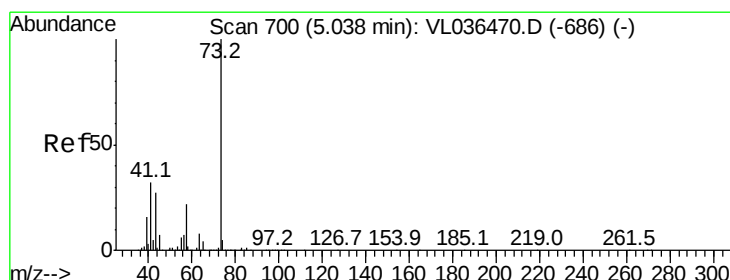
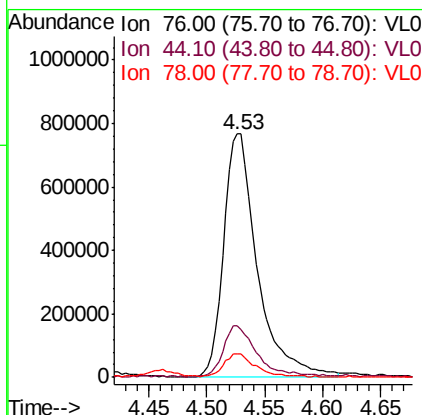
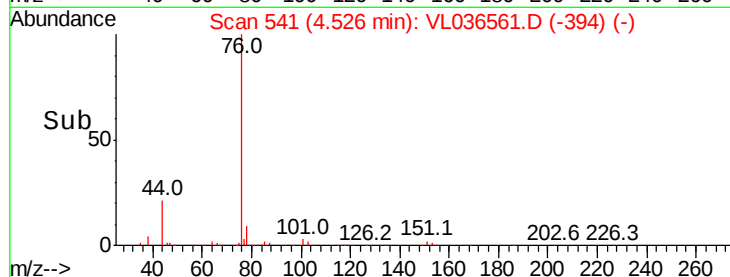
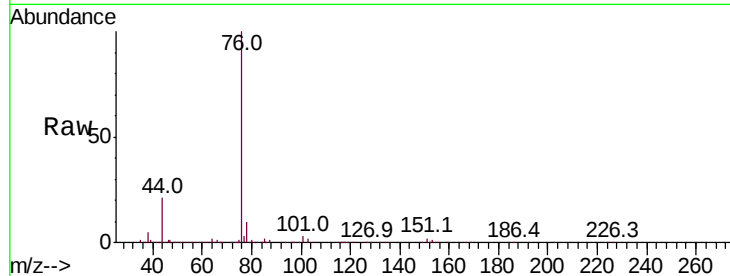
Instrument :
MSVOA_L
ClientSampleId :
VL0330ABS01

Tot Ion: 76 Resp: 1546496

Ion	Ratio	Lower	Upper
76	100		
44	20.9	17.5	26.3
78	9.8	8.6	13.0

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#28

Methyl tert-Butyl Ether

Concen: 8.170 ppbv

RT: 5.01 min Scan# 691

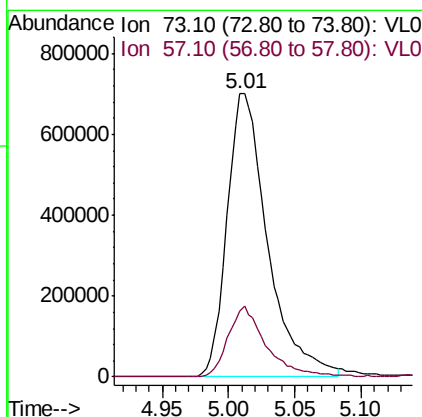
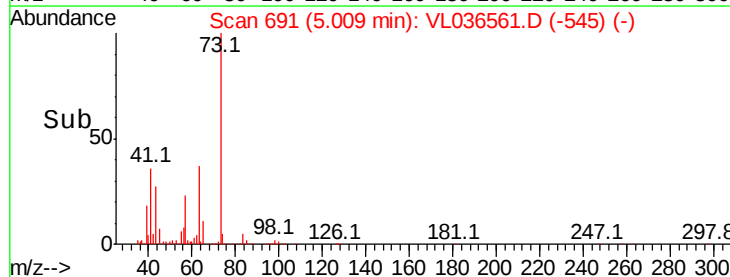
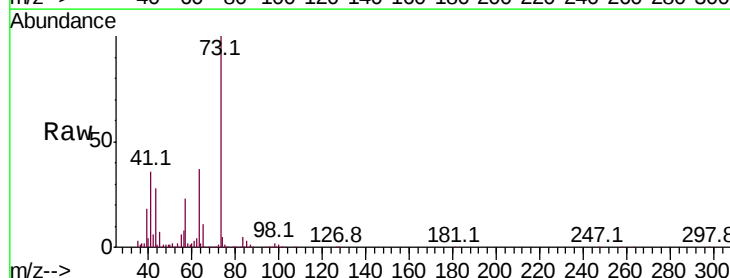
Delta R.T. -0.03 min

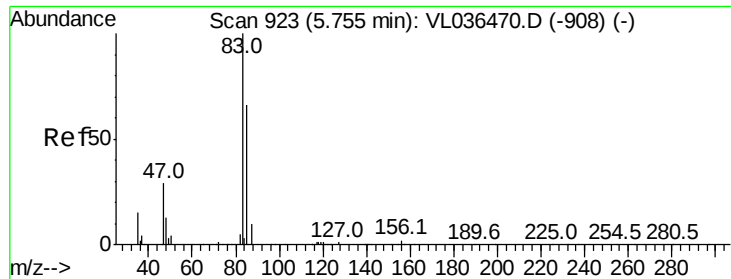
Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Tgt Ion: 73 Resp: 1491359

Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.5	27.7





#29

Chloroform

Concen: 9.026 ppbv

RT: 5.73 min Scan# 915

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

VL0330ABS01

Tot Ion: 83 Resp: 2234371

Ion Ratio Lower Upper

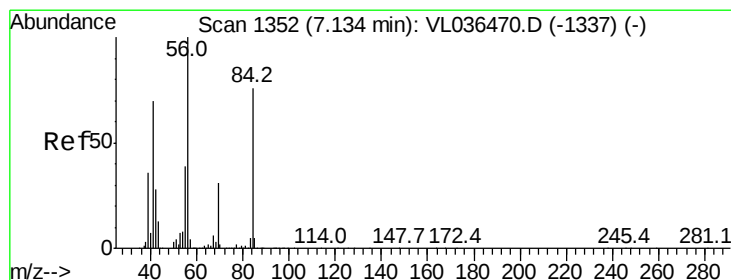
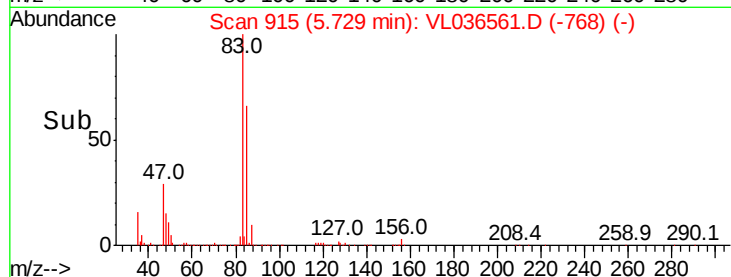
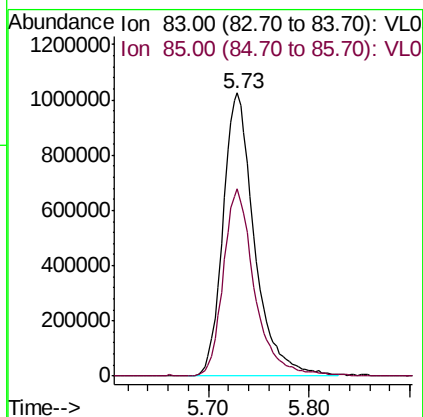
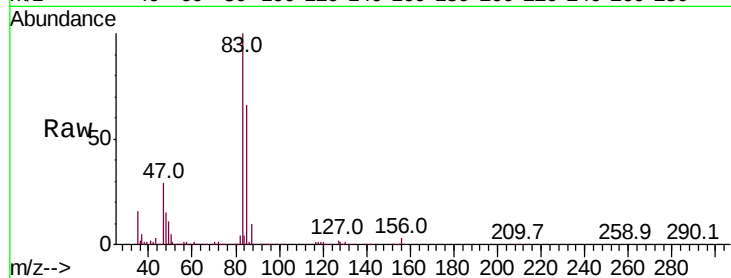
83 100

85 66.1 52.6 78.8

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#30

Cyclohexane

Concen: 9.290 ppbv

RT: 7.10 min Scan# 1343

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

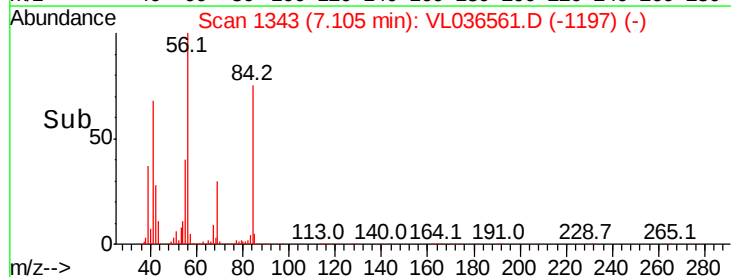
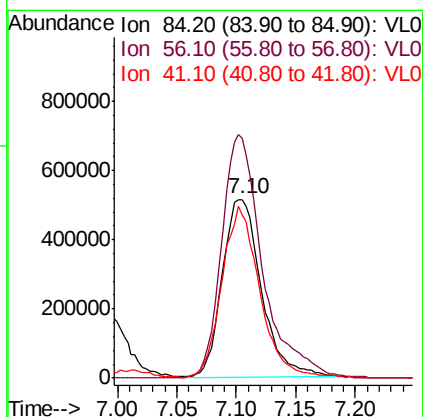
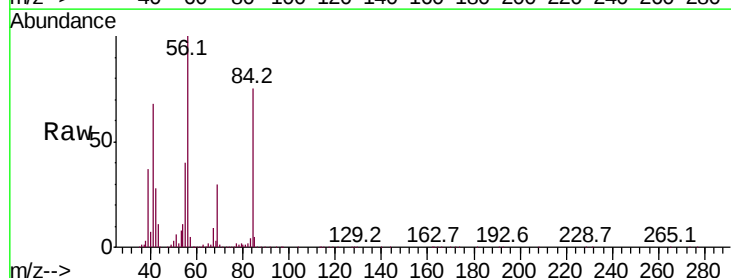
Tgt Ion: 84 Resp: 1166300

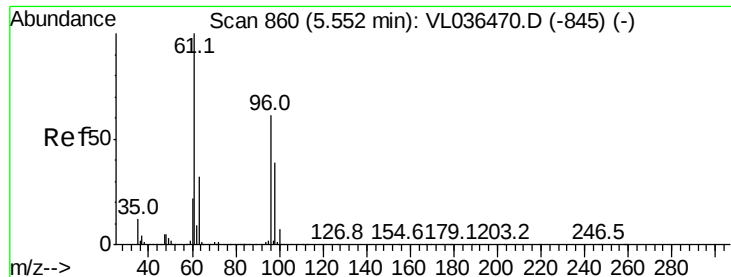
Ion Ratio Lower Upper

84 100

56 144.6 114.6 171.8

41 94.4 75.3 112.9





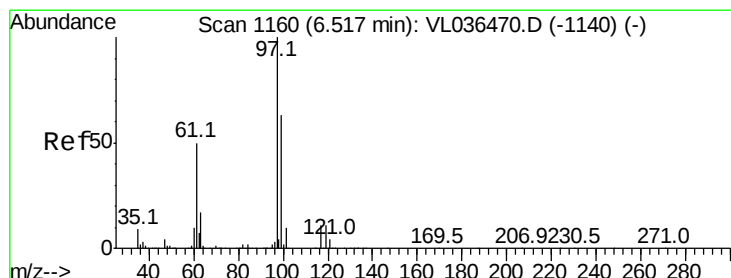
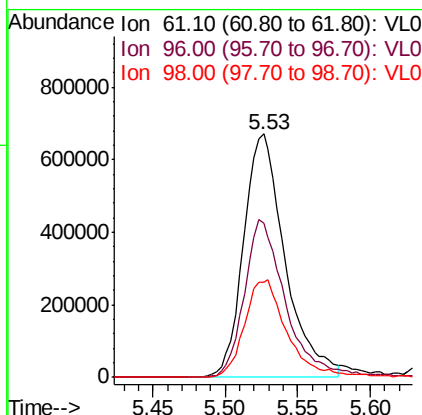
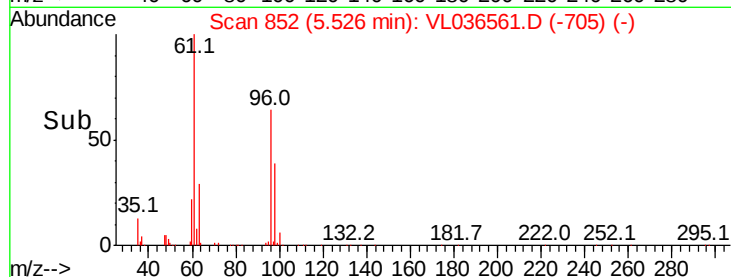
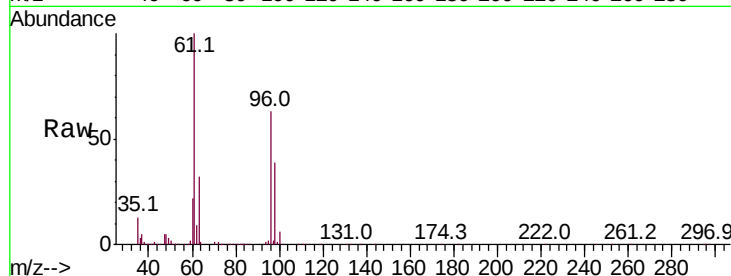
#31
 cis-1,2-Dichloroethene
 Concen: 8.899 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.03 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0330ABS01

Tot Ion: 61 Resp: 1332379
 Ion Ratio Lower Upper
 61 100
 96 63.5 48.7 73.1
 98 39.0 31.4 47.0

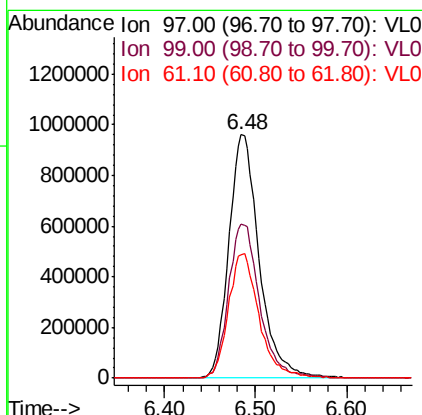
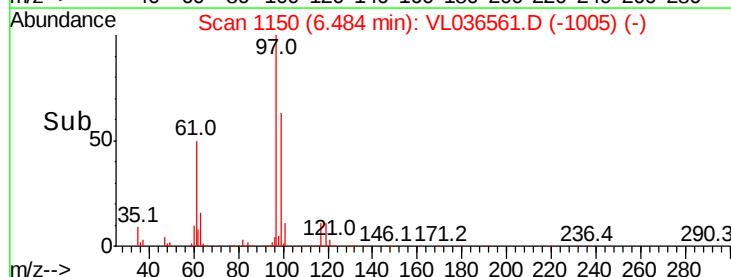
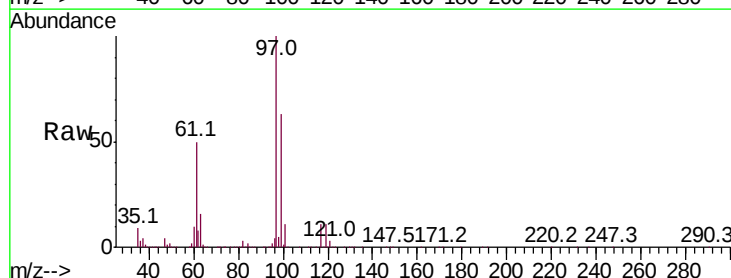
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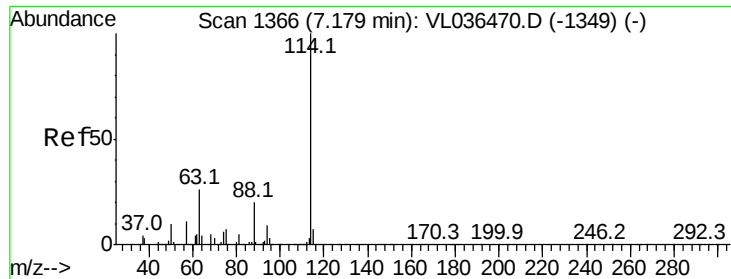
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 8.934 ppbv
 RT: 6.48 min Scan# 1150
 Delta R.T. -0.03 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Tgt Ion: 97 Resp: 2228940
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.4 77.0
 61 52.2 40.6 60.8





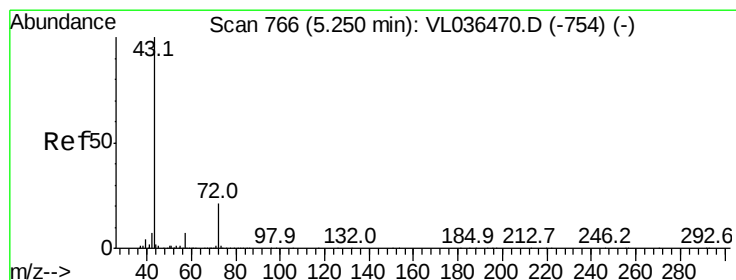
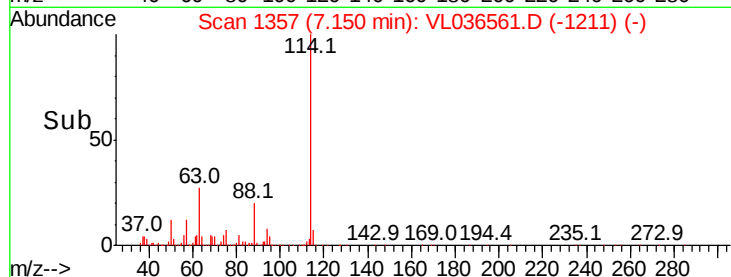
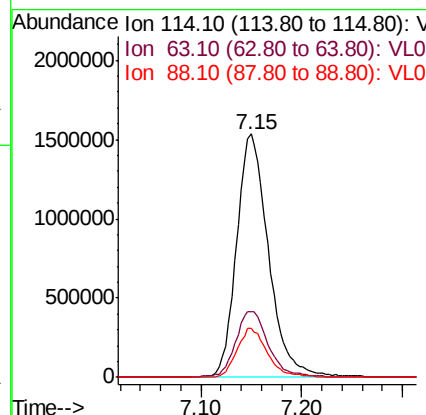
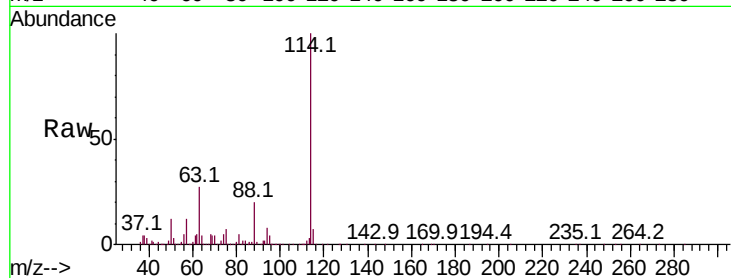
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.03 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0330ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.4	33.6
88	19.5	15.4	23.0

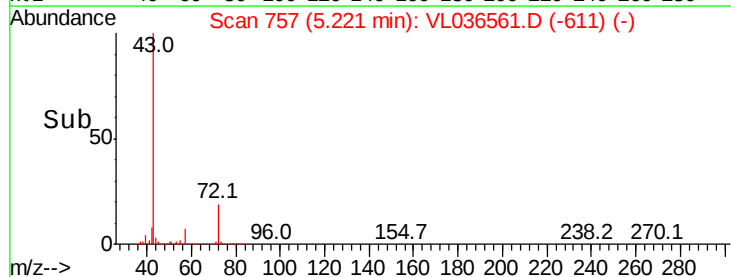
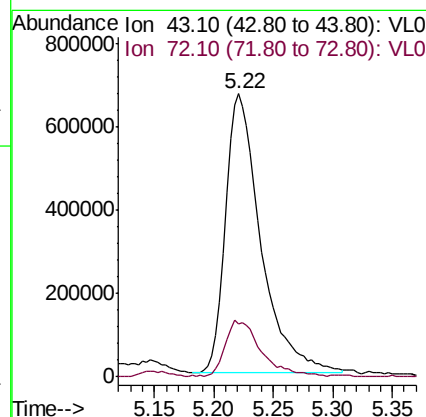
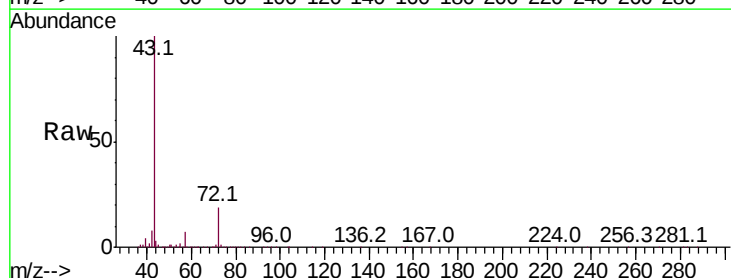
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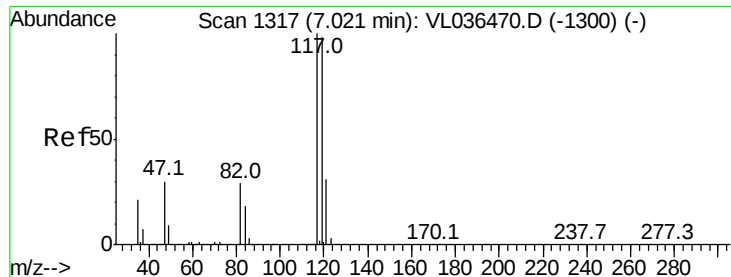
MMDadoda
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#34
 2-Butanone
 Concen: 8.384 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. -0.03 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.0	25.6





#35

Carbon Tetrachloride

Concen: 9.010 ppbv

RT: 6.99 min Scan# 1307

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

VL0330ABS01

Tot Ion:117 Resp: 2339731

Ion Ratio Lower Upper

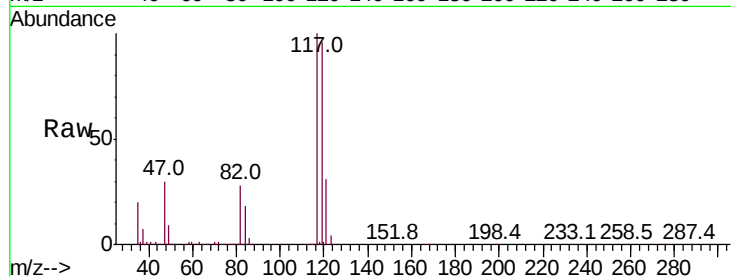
117 100

119 95.8 78.2 117.2

121 31.4 24.5 36.7

Manual Integrations
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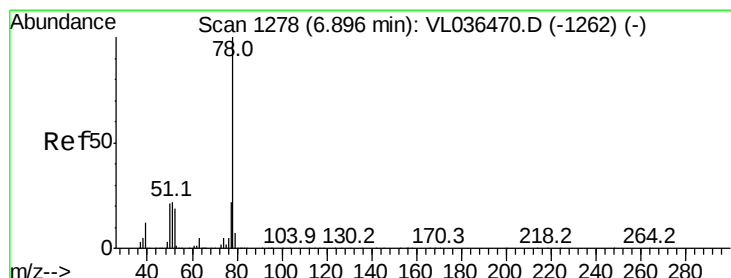
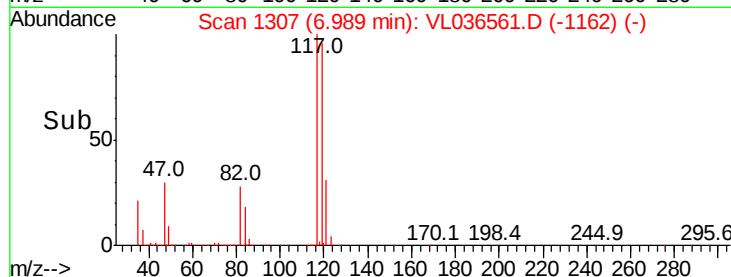
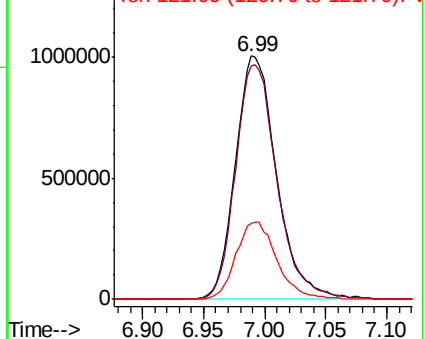
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.196 ppbv

RT: 6.86 min Scan# 1268

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

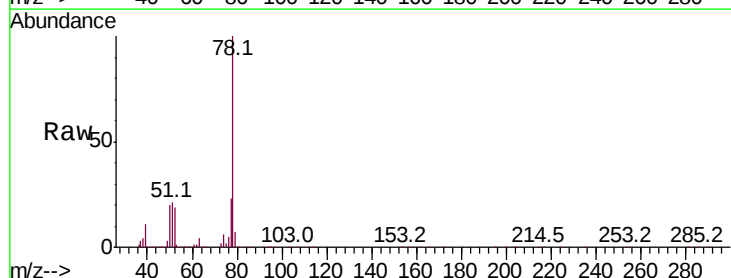
Tgt Ion: 78 Resp: 2867176

Ion Ratio Lower Upper

78 100

77 22.8 18.0 27.0

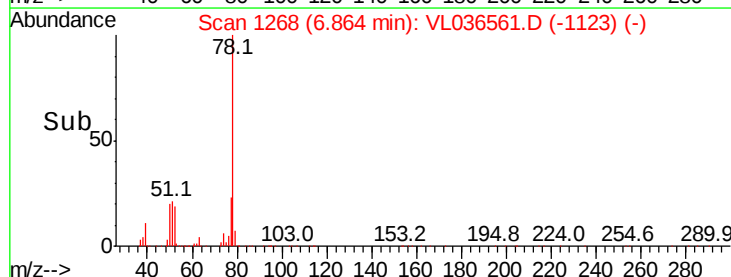
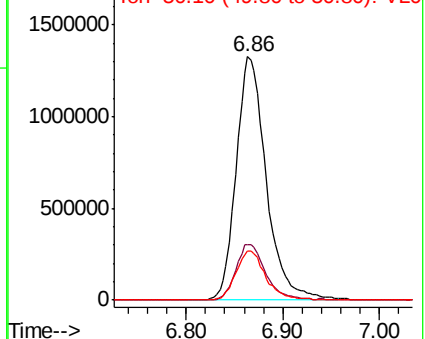
50 20.2 16.5 24.7

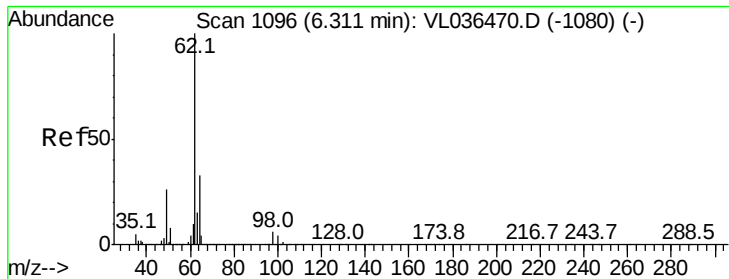


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





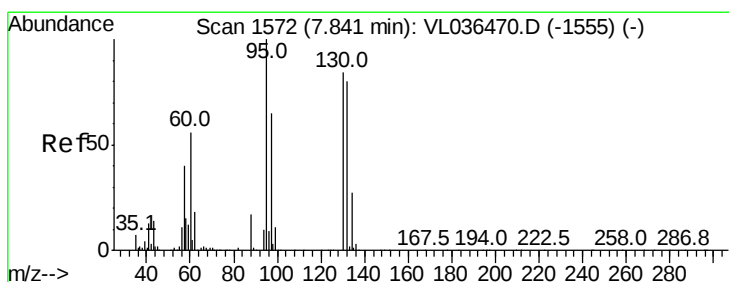
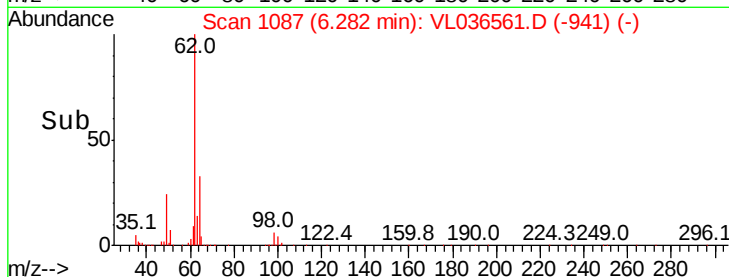
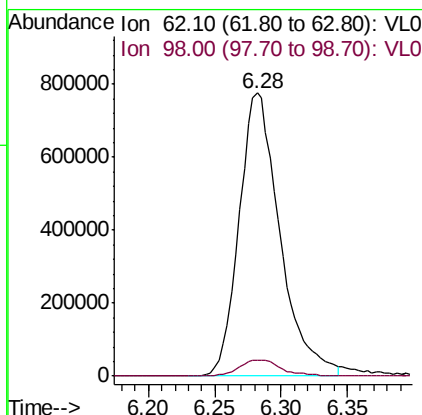
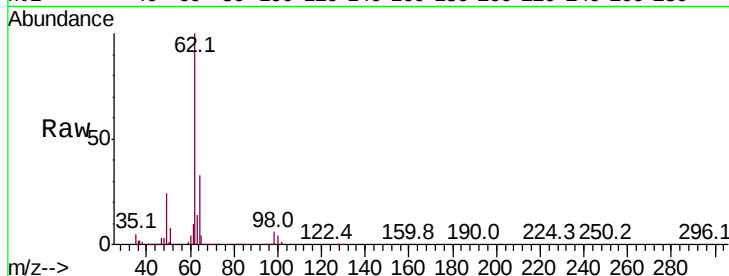
#37
 1,2-Dichloroethane
 Concen: 9.079 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. -0.03 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0330ABS01

Tot Ion: 62 Resp: 1666139
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.9 7.3

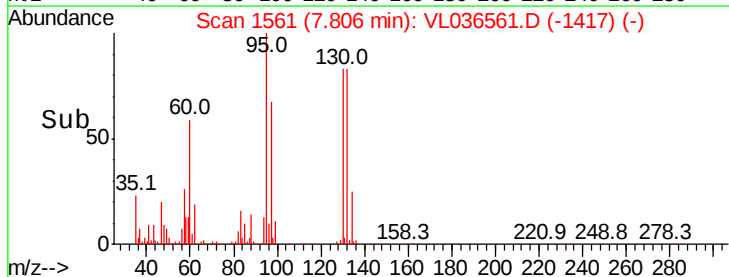
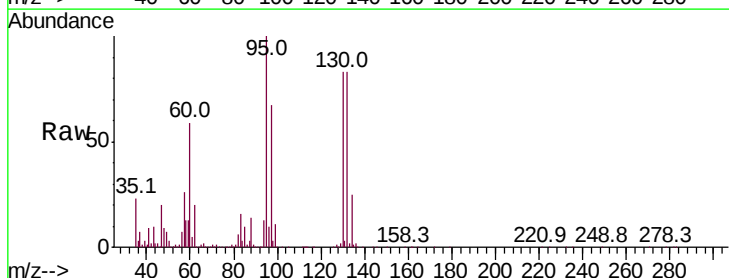
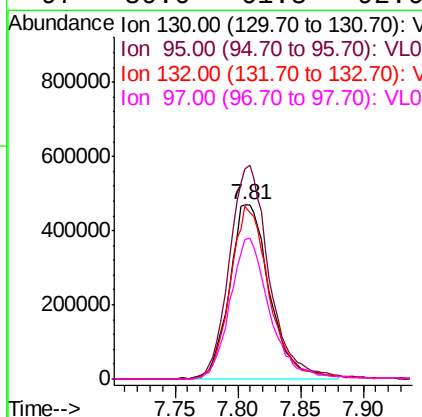
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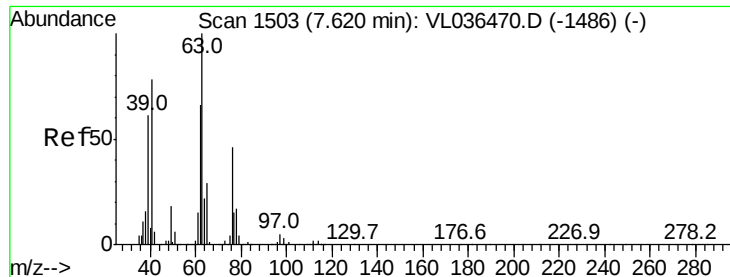
MMDadoda
 4/1/2021 10:57:28 AM



#38
 Trichloroethene
 Concen: 8.640 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.04 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Tgt Ion:130 Resp: 1048438
 Ion Ratio Lower Upper
 130 100
 95 119.9 95.7 143.5
 132 99.1 76.2 114.4
 97 80.0 61.8 92.6





#39

1,2-Dichloropropane

Concen: 9.116 ppbv

RT: 7.58 min Scan# 1492

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

VL0330ABS01

Tot Ion: 63 Resp: 1153050

Ion Ratio Lower Upper

63 100

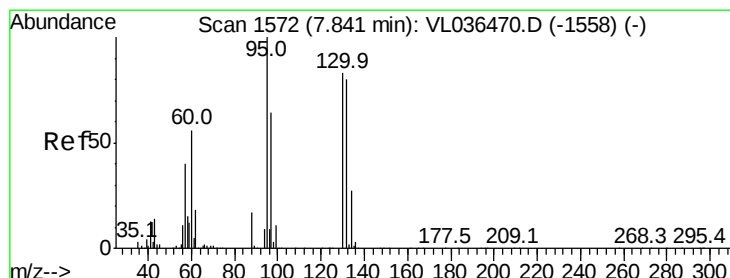
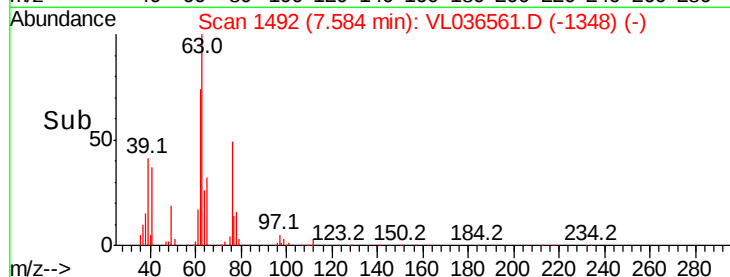
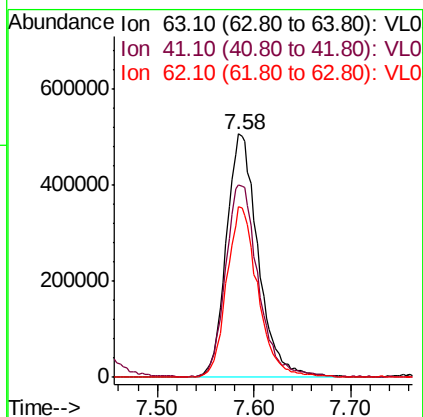
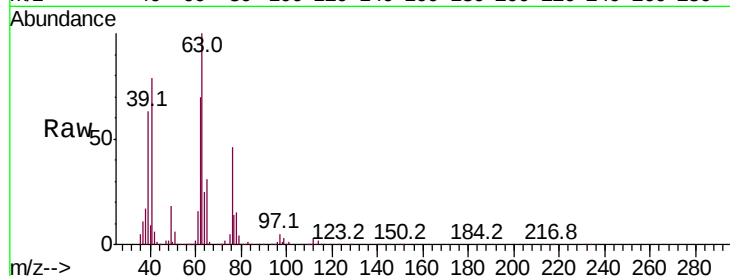
41 78.6 62.4 93.6

62 70.0 52.8 79.2

Manual Integrations
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#40

1,4-Dioxane

Concen: 7.685 ppbv m

RT: 7.80 min Scan# 1560

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Tgt Ion: 88 Resp: 226223

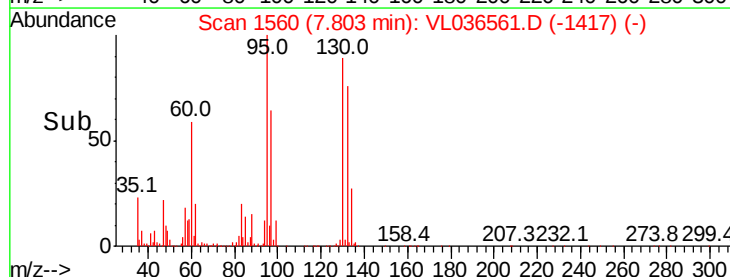
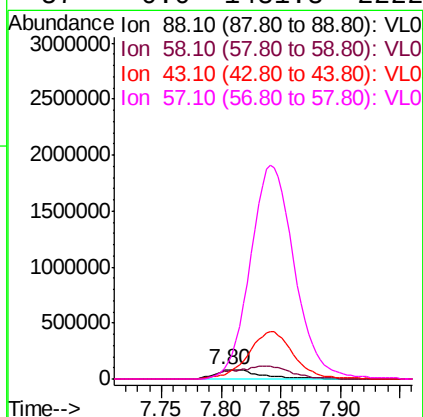
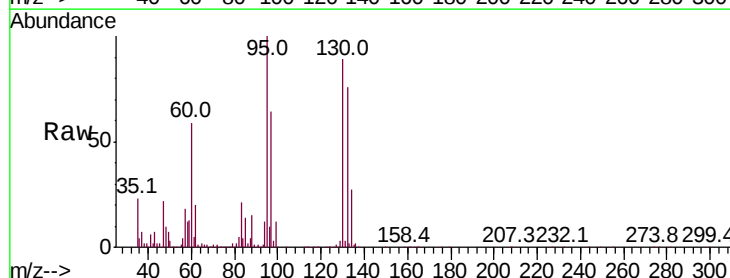
Ion Ratio Lower Upper

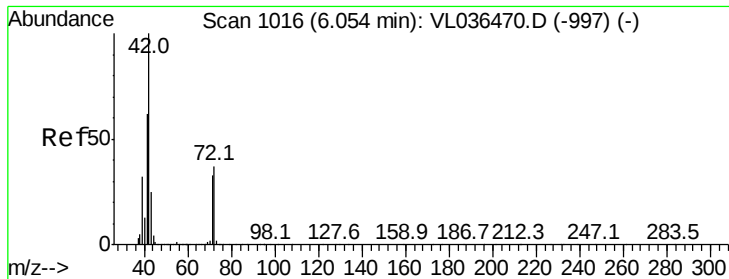
88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#





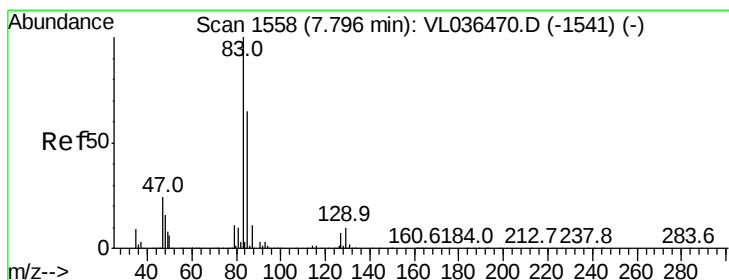
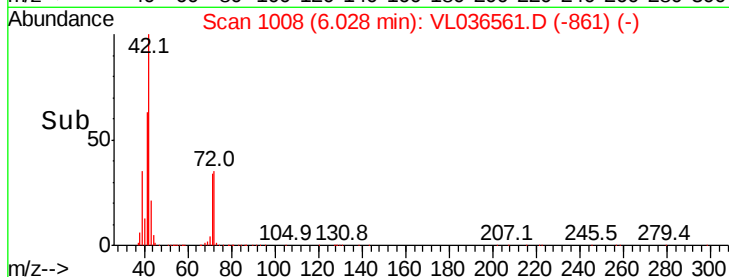
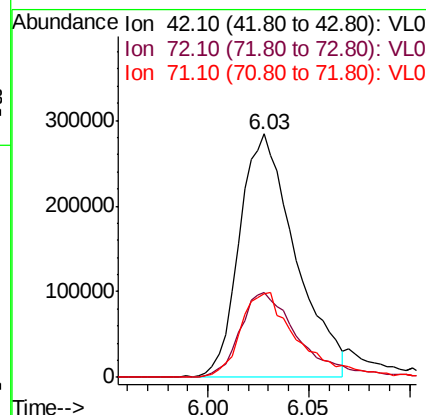
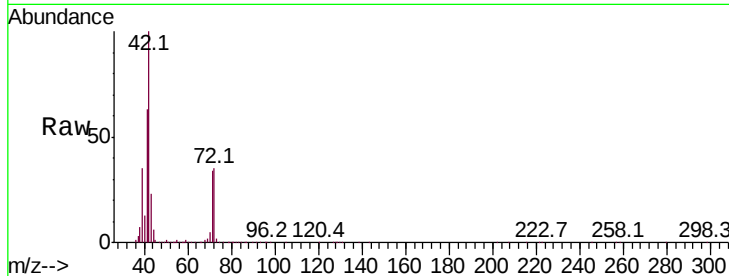
#41
Tetrahydrofuran
Concen: 7.226 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :
VL0330ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	27.6	41.4
71	36.7	27.0	40.4

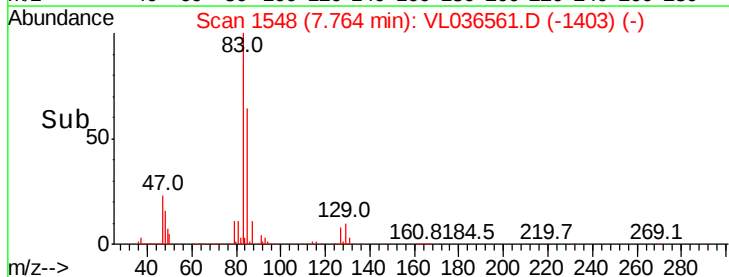
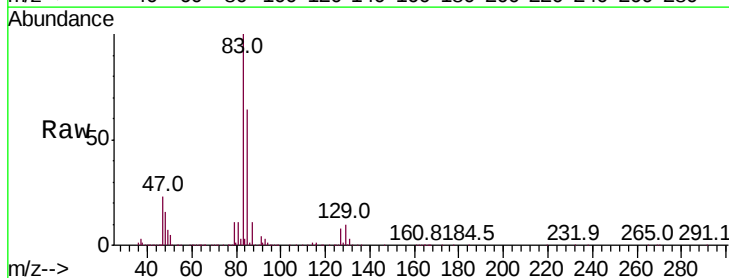
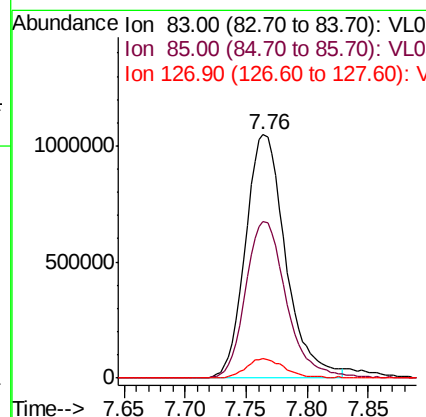
Manual Integrations
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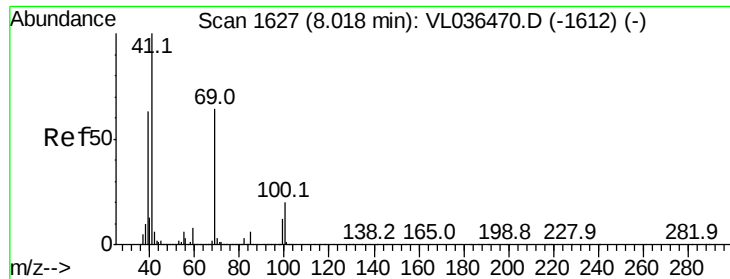
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#42
Bromodichloromethane
Concen: 9.534 ppbv
RT: 7.76 min Scan# 1548
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.8	77.6
127	8.0	5.8	8.8





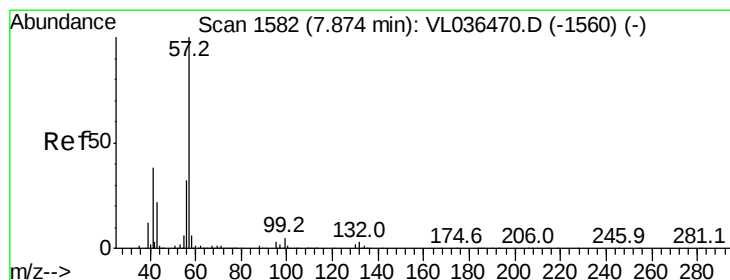
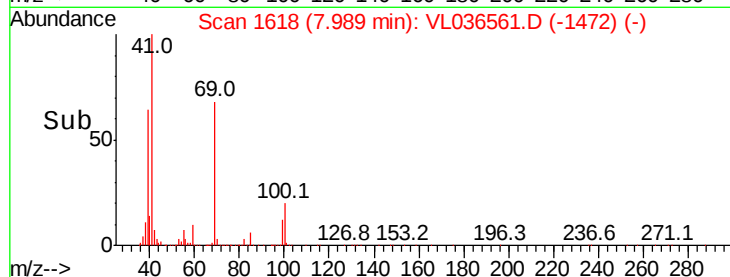
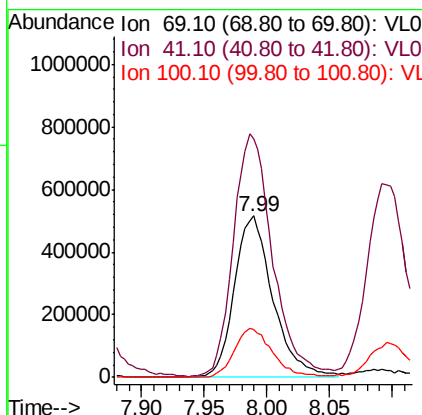
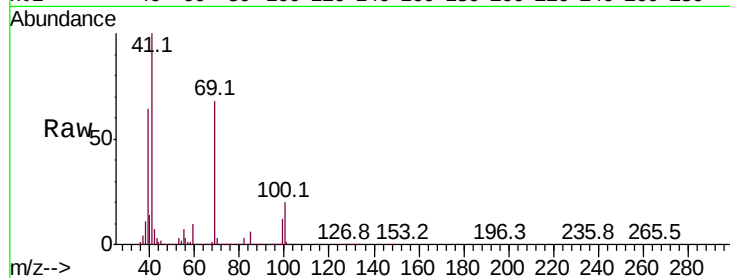
#43
Methvl Methacrylate
Concen: 10.470 ppbv
RT: 7.99 min Scan# 1618
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :
VL0330ABS01

Tot Ion: 69 Resp: 1096258
Ion Ratio Lower Upper
69 100
41 153.8 126.8 190.2
100 30.1 24.9 37.3

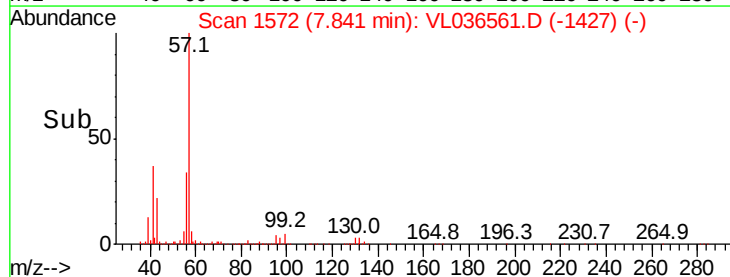
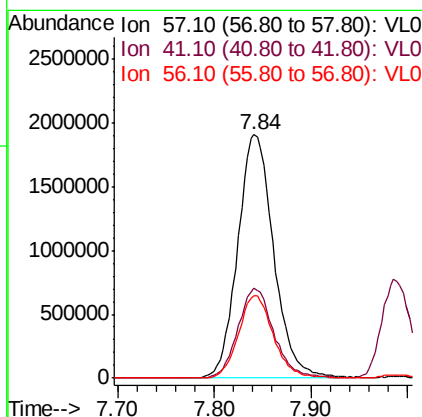
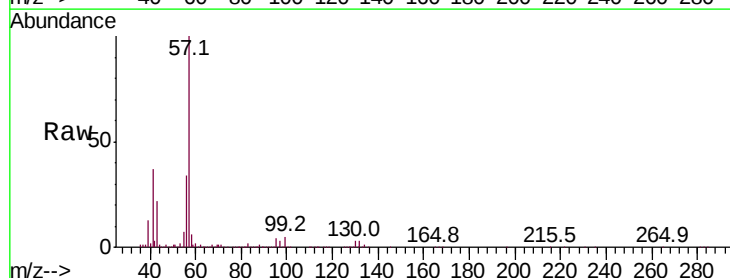
Manual Integrations
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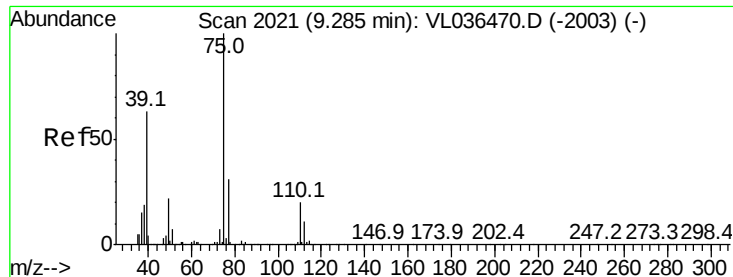
MMDadoda
4/1/2021 10:57:28 AM



#44
2,2,4-Trimethylpentane
Concen: 8.986 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion: 57 Resp: 4931335
Ion Ratio Lower Upper
57 100
41 36.5 28.8 43.2
56 33.0 26.1 39.1





#45

t-1,3-Dichloropropene

Concen: 8.044 ppbv

RT: 9.25 min Scan# 2011

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

VL0330ABS01

Tot Ion: 75 Resp: 961689

Ion Ratio Lower Upper

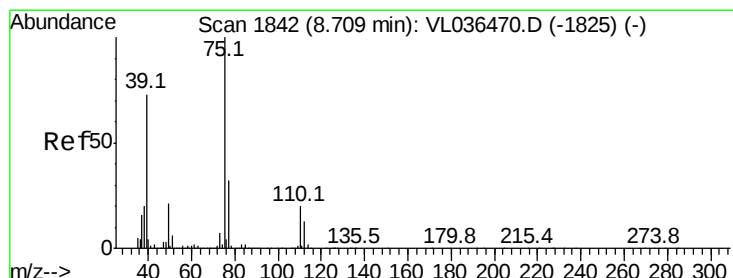
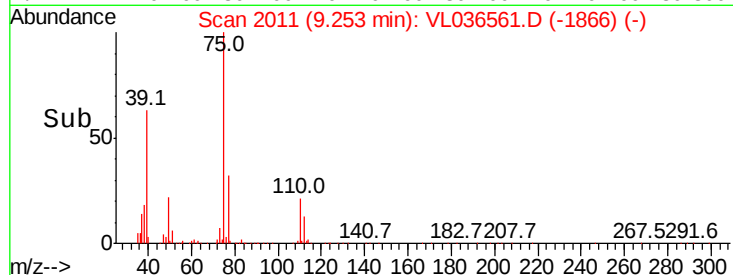
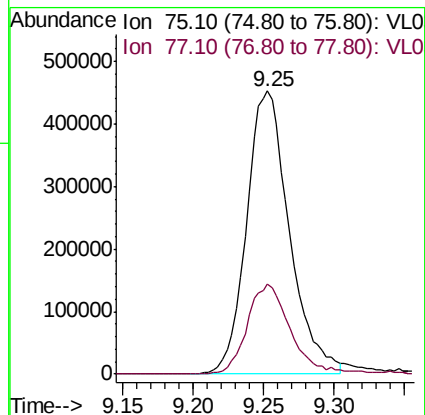
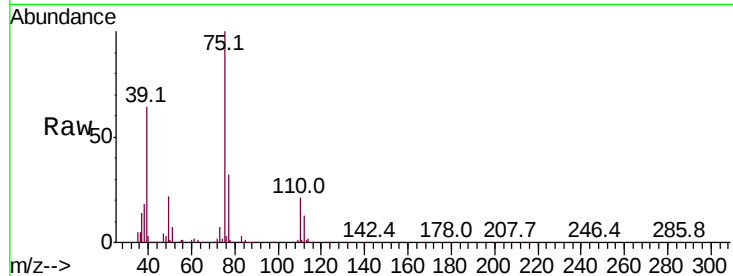
75 100

77 31.9 25.1 37.7

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#46

cis-1,3-Dichloropropene

Concen: 8.135 ppbv

RT: 8.68 min Scan# 1832

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

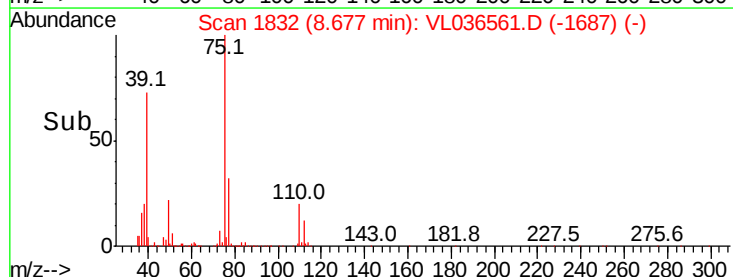
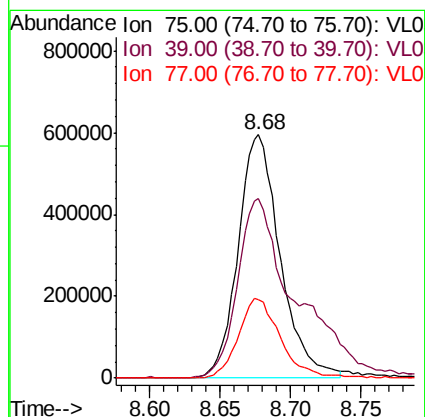
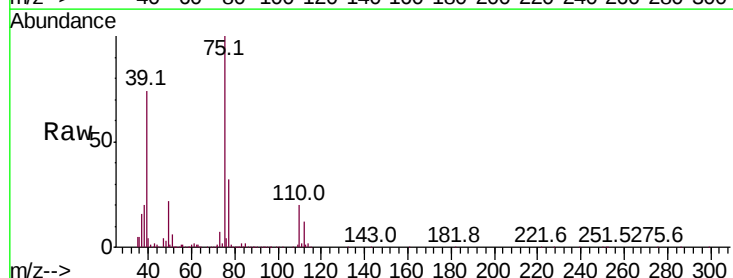
Tgt Ion: 75 Resp: 1243257

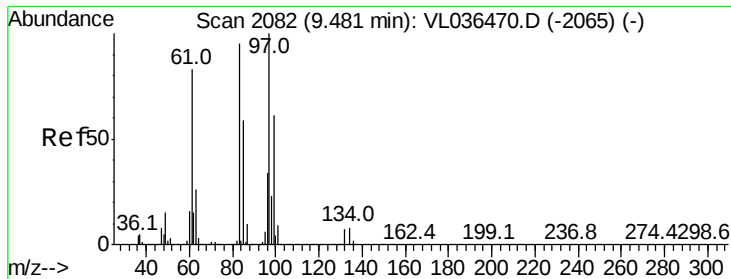
Ion Ratio Lower Upper

75 100

39 73.6 58.2 87.2

77 32.0 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 9.131 ppbv

RT: 9.45 min Scan# 2071

Delta R.T. -0.04 min

Lab File: VL036561.D

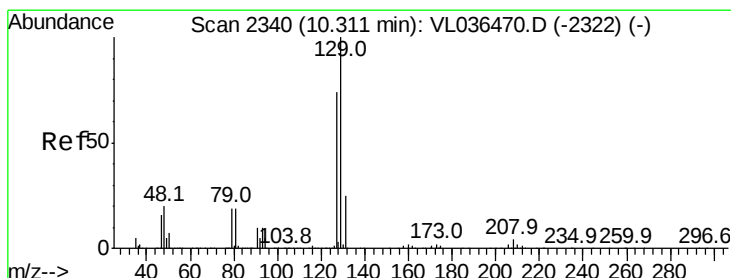
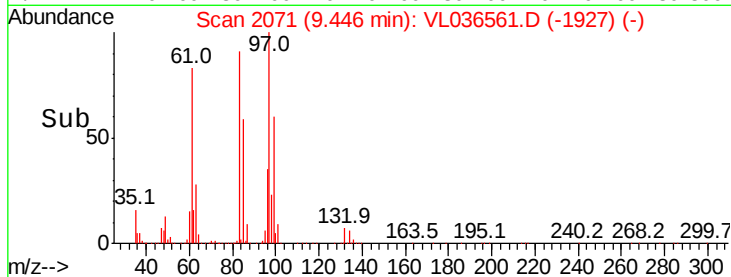
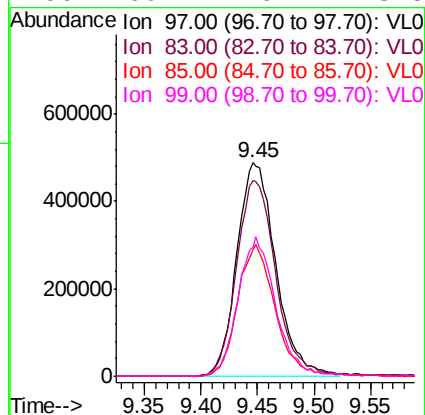
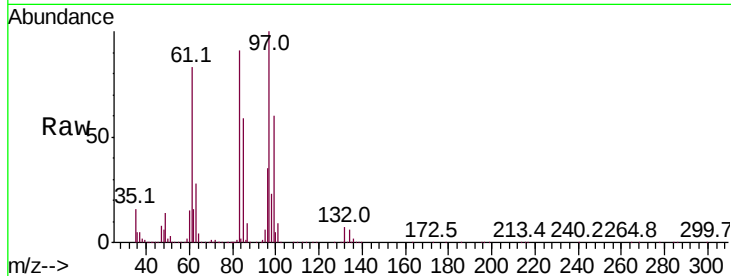
Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :
VL0330ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	91.3	75.8	113.8	
85	59.3	47.1	70.7	
99	60.4	49.2	73.8	

Manual Integrations
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#48

Dibromochloromethane

Concen: 9.882 ppbv

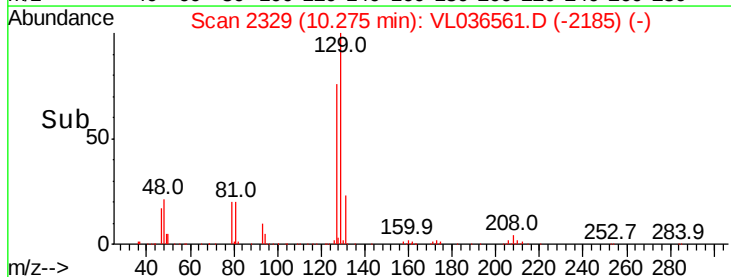
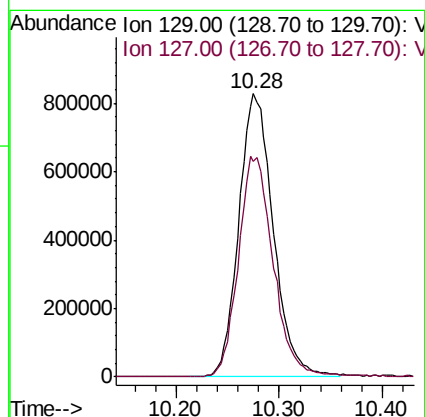
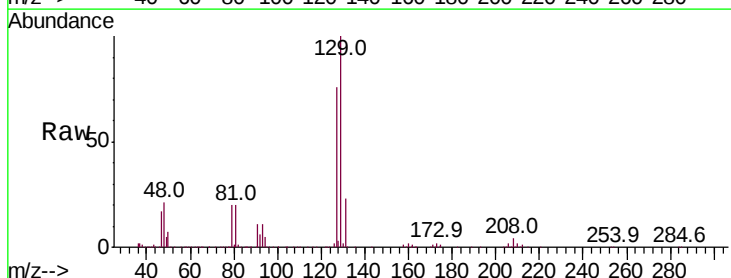
RT: 10.28 min Scan# 2329

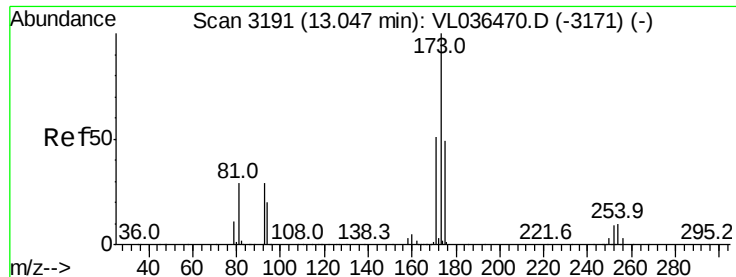
Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.1	39.6	118.8	





#49

Bromoform

Concen: 10.072 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

VL0330ABS01

Tot Ion:173 Resp: 1584863

Ion Ratio Lower Upper

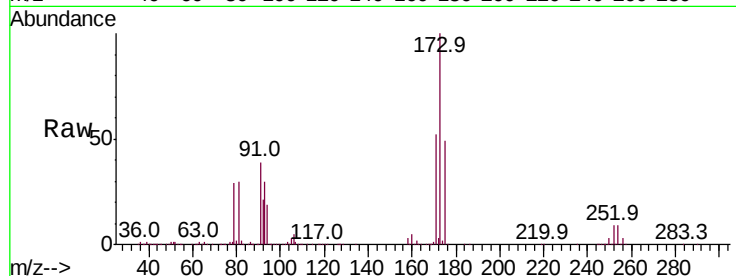
173 100

175 50.4 39.6 59.4

171 52.3 41.4 62.0

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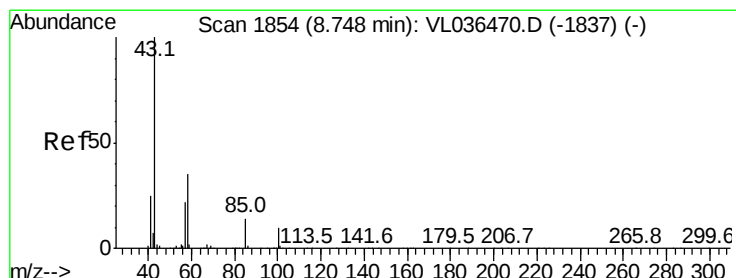
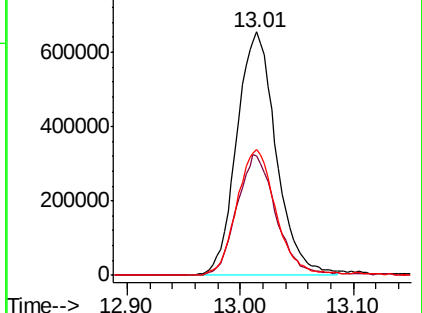
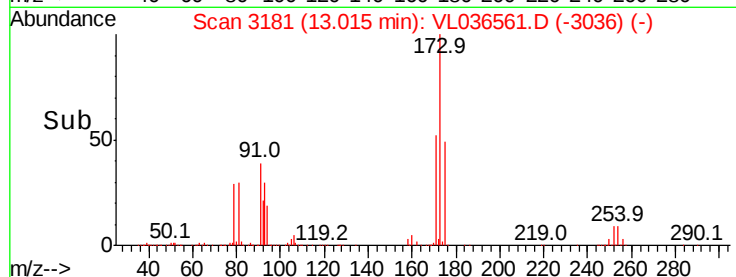
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.867 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.03 min

Lab File: VL036561.D

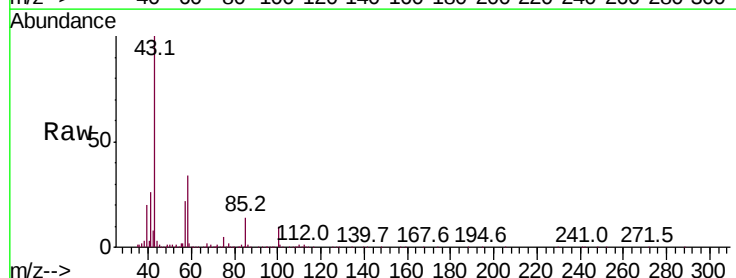
Acq: 30 Mar 2021 7:47

Tgt Ion: 43 Resp: 2117231

Ion Ratio Lower Upper

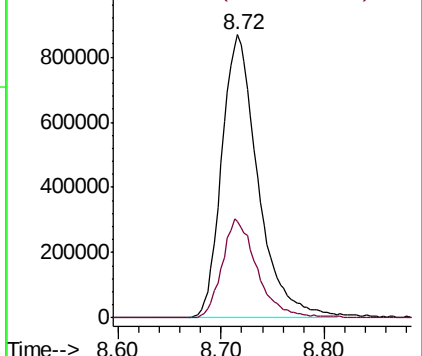
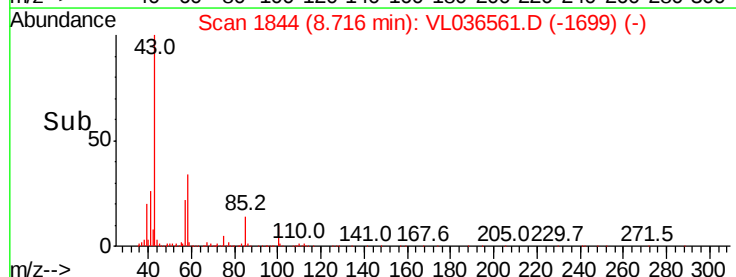
43 100

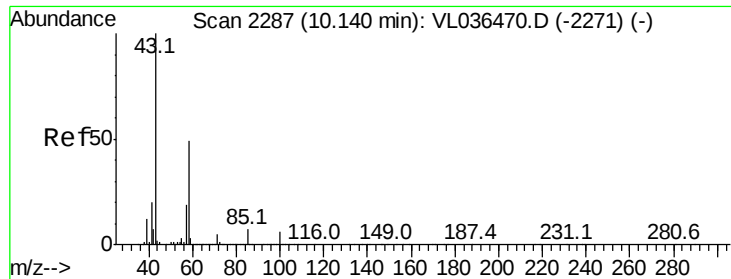
58 34.2 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





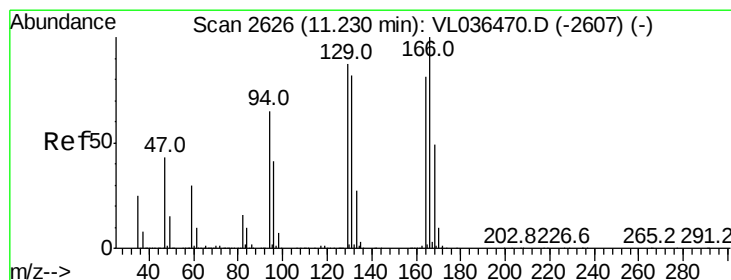
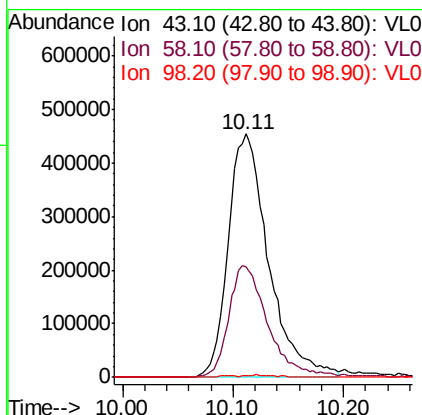
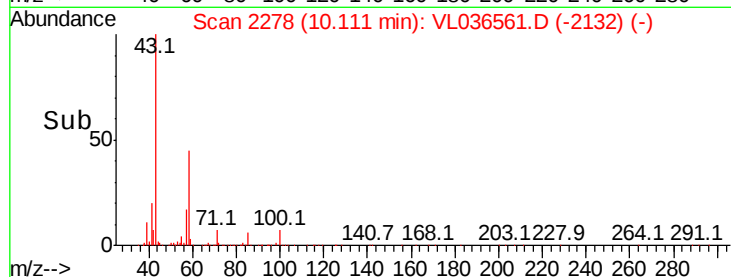
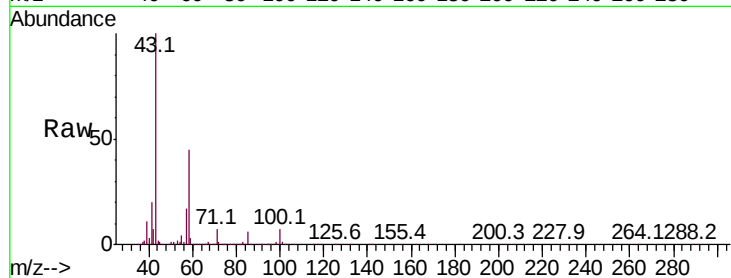
#51
2-Hexanone
Concen: 9.530 ppbv
RT: 10.11 min Scan# 2278
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :
VL0330ABS01

Tot Ion: 43 Resp: 1148360
Ion Ratio Lower Upper
43 100
58 45.6 37.7 56.5
98 1.0 0.2 0.2#

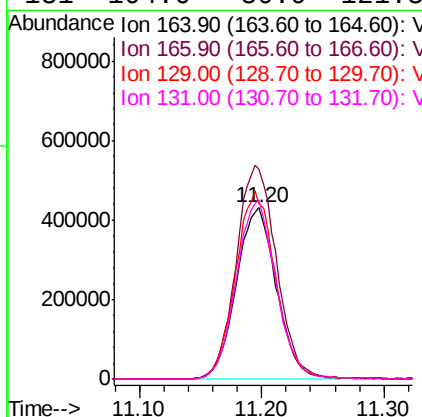
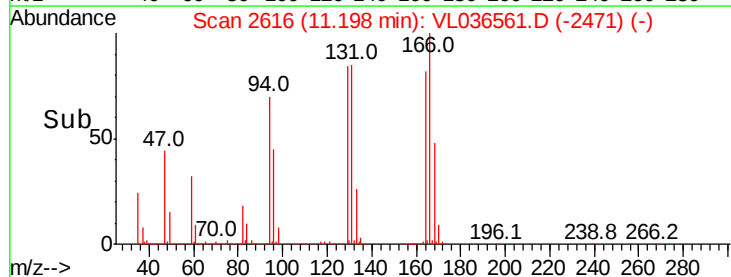
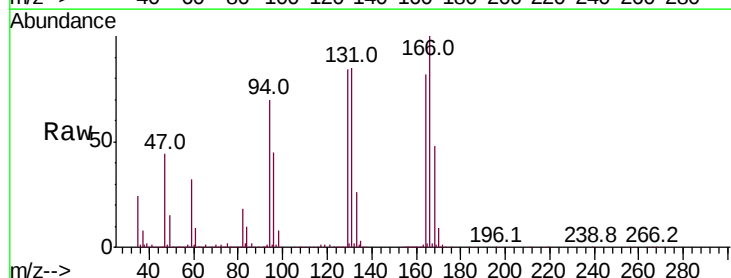
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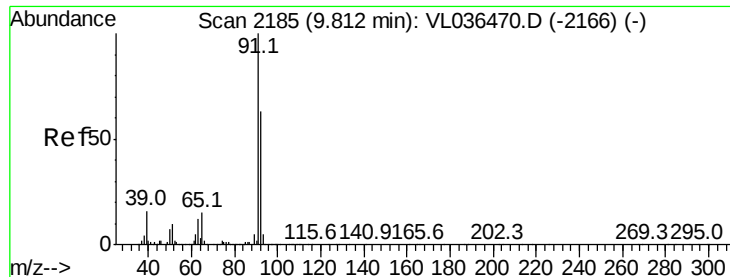
MMDadoda
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#52
Tetrachloroethene
Concen: 8.488 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion: 164 Resp: 974526
Ion Ratio Lower Upper
164 100
166 122.5 98.3 147.5
129 102.5 85.8 128.8
131 104.6 80.9 121.3





#53

Toluene

Concen: 9.662 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

VL0330ABS01

Tot Ion: 91 Resp: 3208059

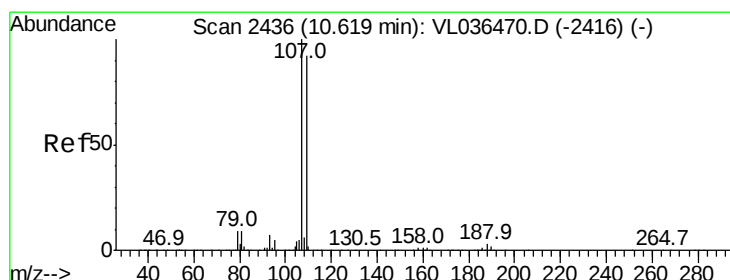
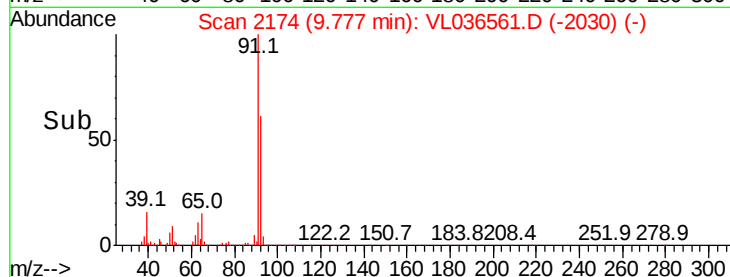
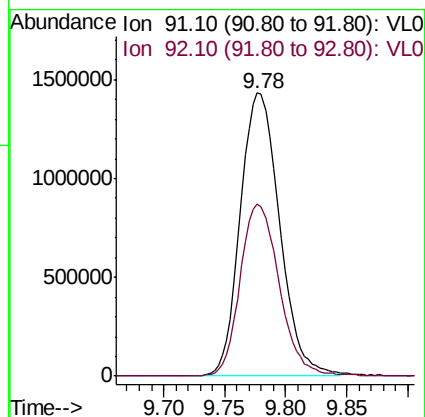
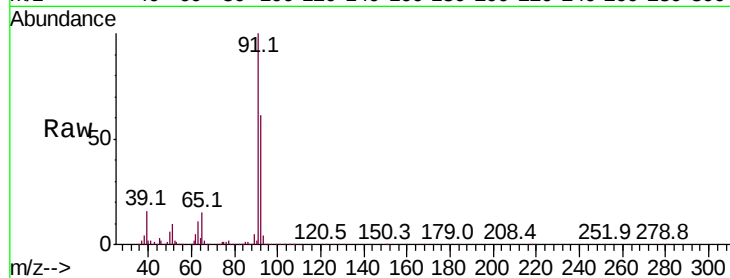
Ion Ratio Lower Upper

91 100

92 60.7 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 9.272 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.04 min

Lab File: VL036561.D

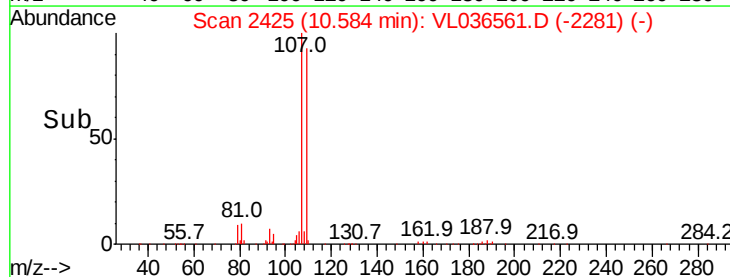
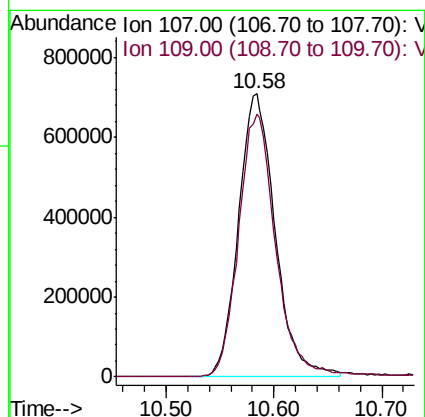
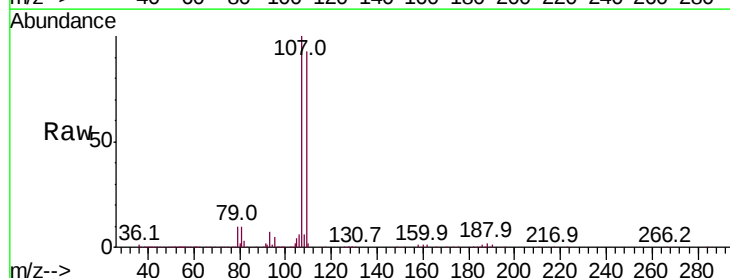
Acq: 30 Mar 2021 7:47

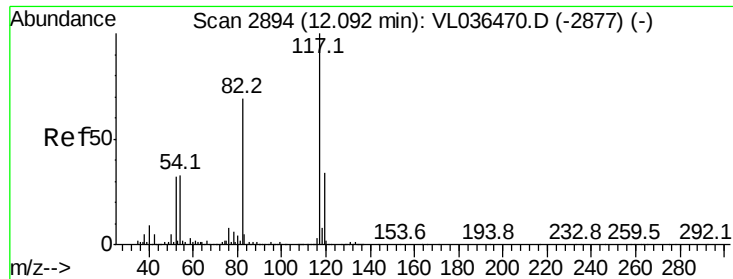
Tgt Ion: 107 Resp: 1677527

Ion Ratio Lower Upper

107 100

109 92.8 73.9 110.9





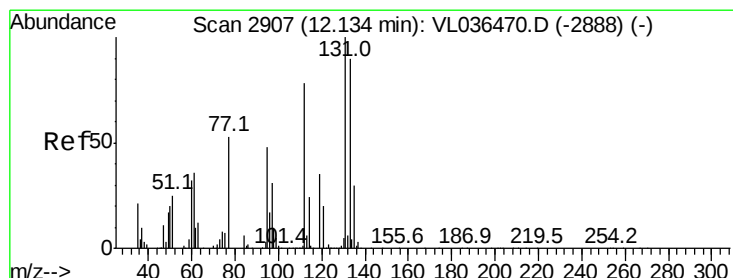
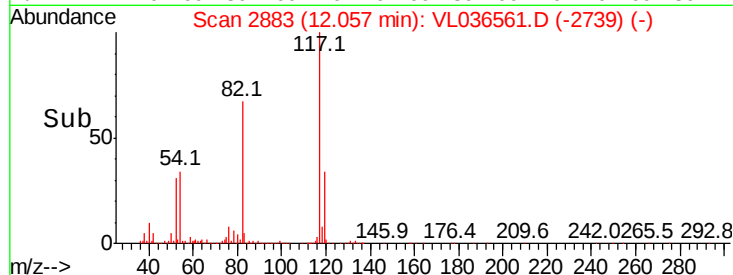
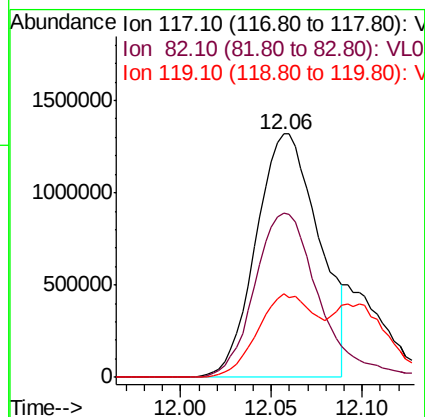
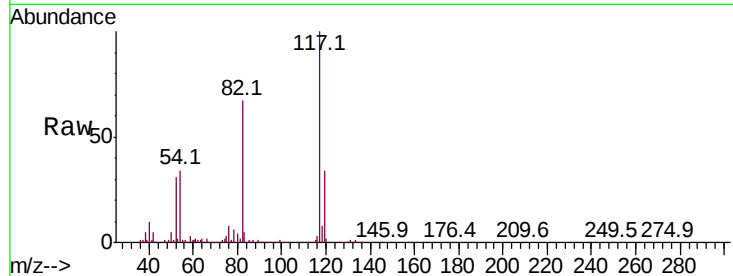
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06 min Scan# 2883
Delta R.T. -0.04 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :
VL0330ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.9	57.4	86.0
119	59.5	47.4	71.0

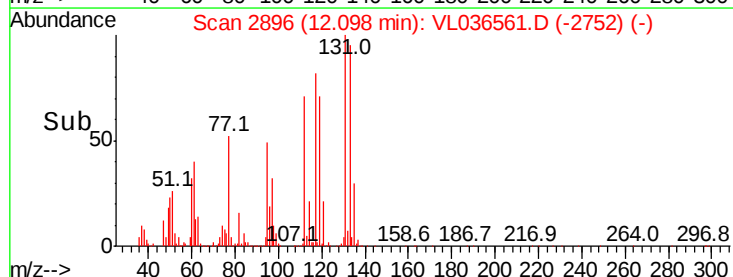
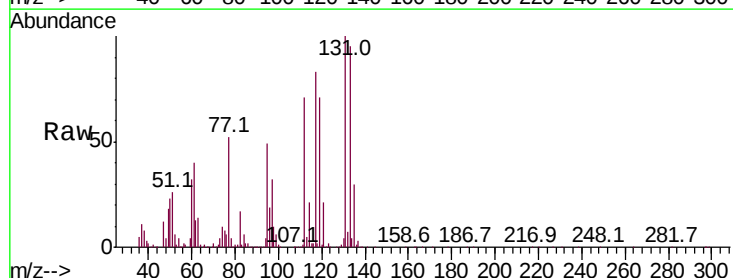
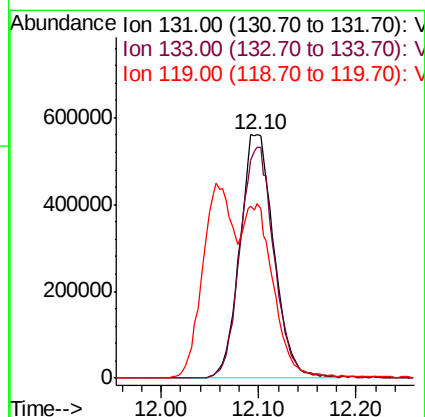
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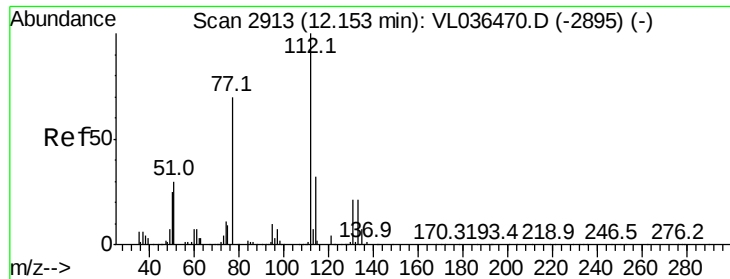
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.464 ppbv m
RT: 12.10 min Scan# 2896
Delta R.T. -0.04 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	75.8	113.6
119	58.9	48.7	73.1





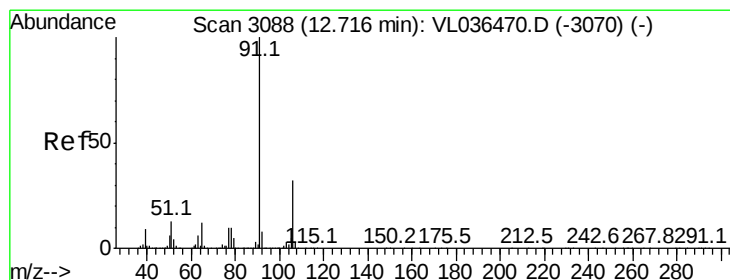
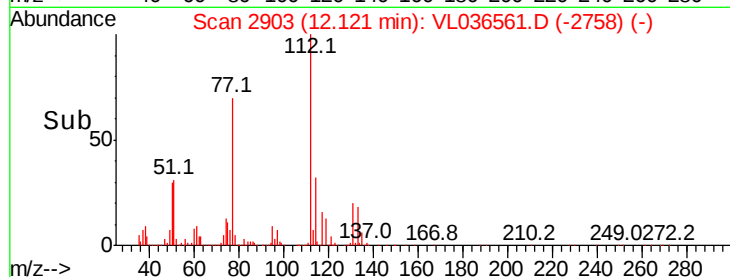
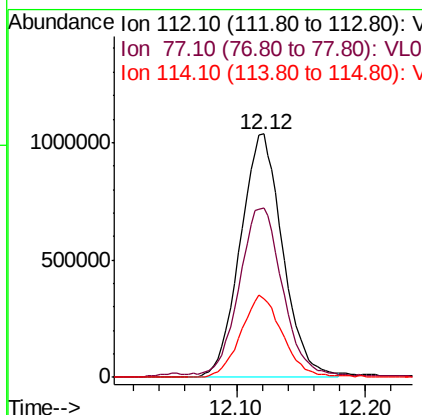
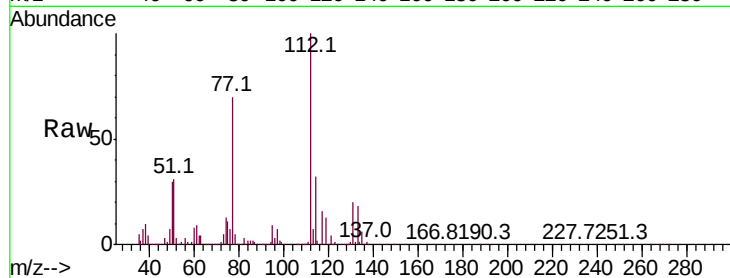
#57
Chlorobenzene
Concen: 8.768 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :
VL0330ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	68.8	56.0	84.0
114	32.3	29.0	35.4

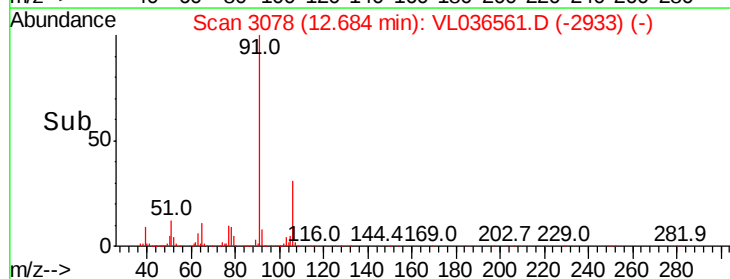
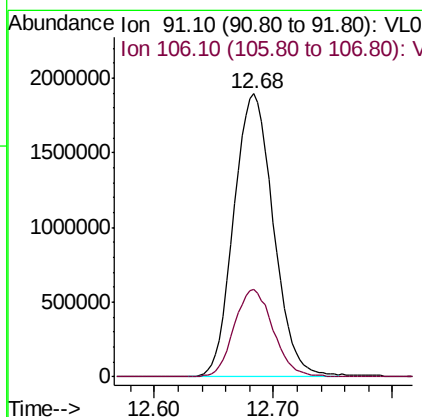
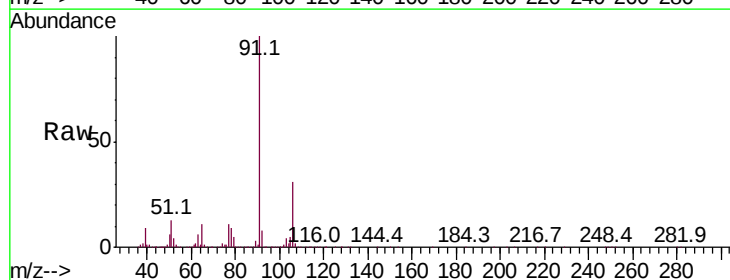
Manual Integrations
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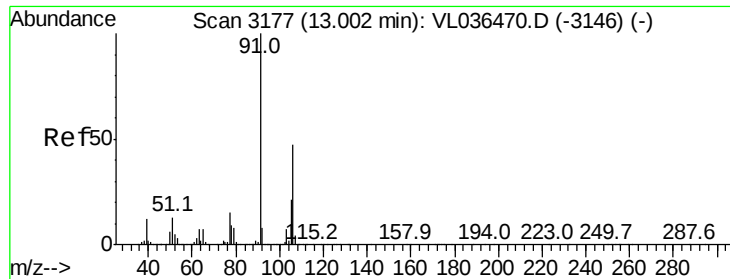
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#58
Ethyl Benzene
Concen: 9.460 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.3	37.9





#59

m/p-Xylene

Concen: 18.463 ppbv m

RT: 12.97 min Scan# 3166

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

VL0330ABS01

Tot Ion: 91 Resp: 7443651

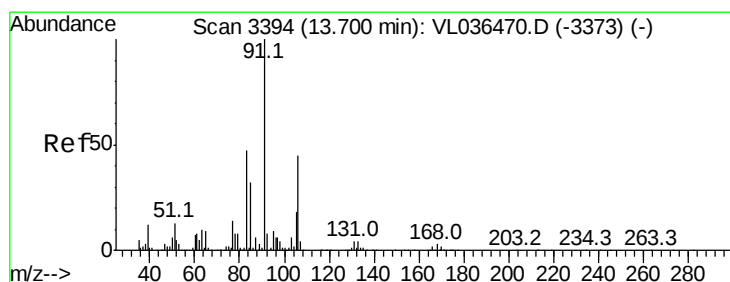
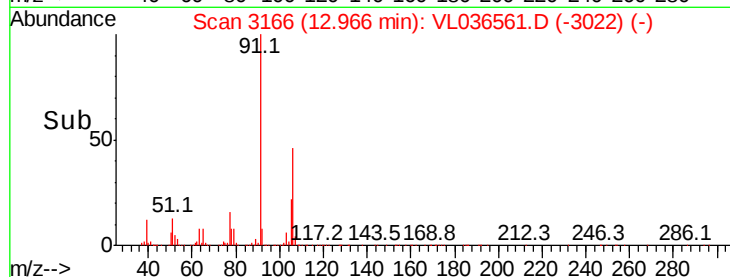
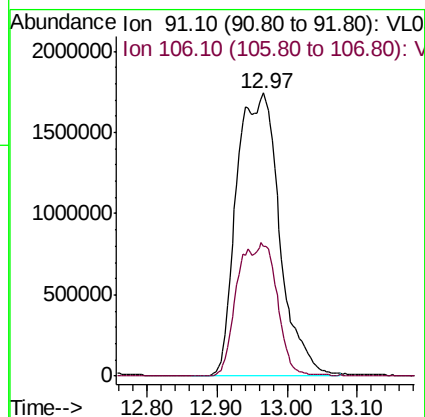
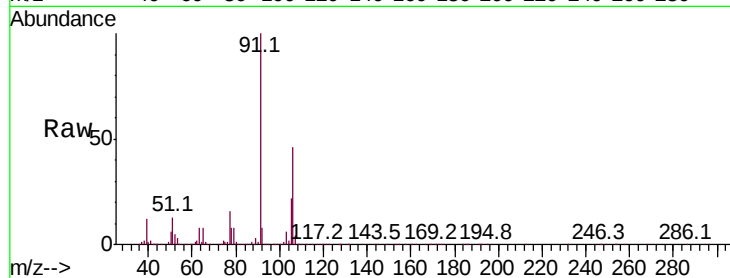
Ion Ratio Lower Upper

91 100

106 43.8 35.3 52.9

Manual Integrations
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#60

o-Xylene

Concen: 9.074 ppbv

RT: 13.66 min Scan# 3383

Delta R.T. -0.04 min

Lab File: VL036561.D

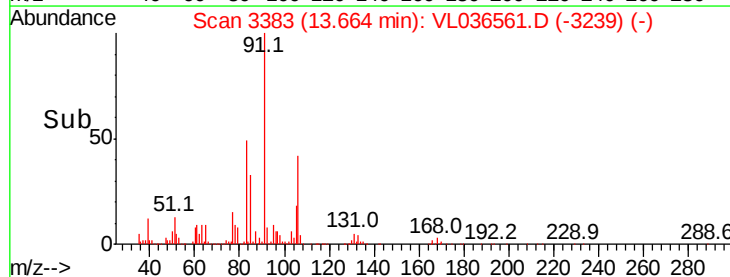
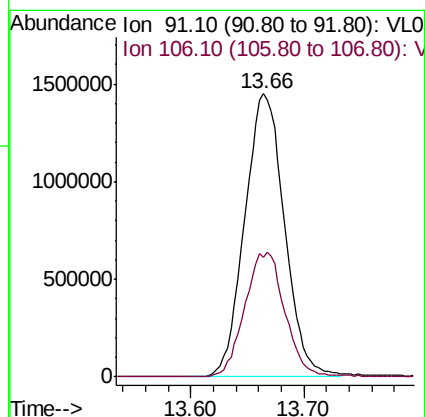
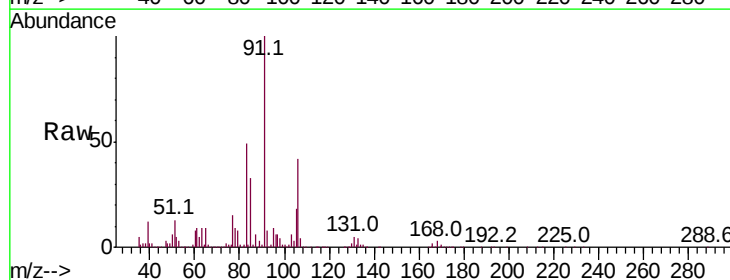
Acq: 30 Mar 2021 7:47

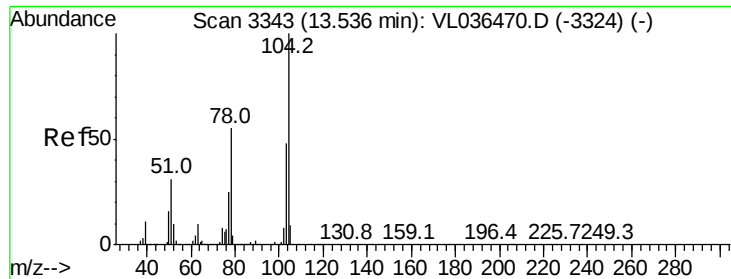
Tgt Ion: 91 Resp: 3537272

Ion Ratio Lower Upper

91 100

106 44.8 22.3 66.9





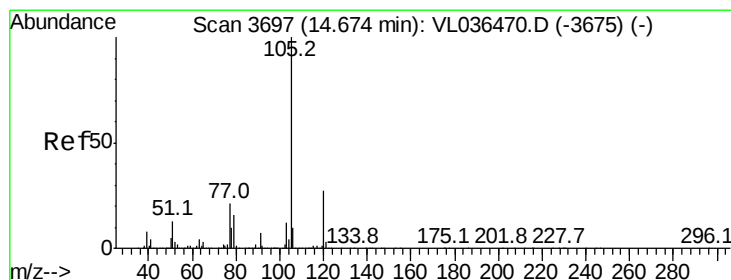
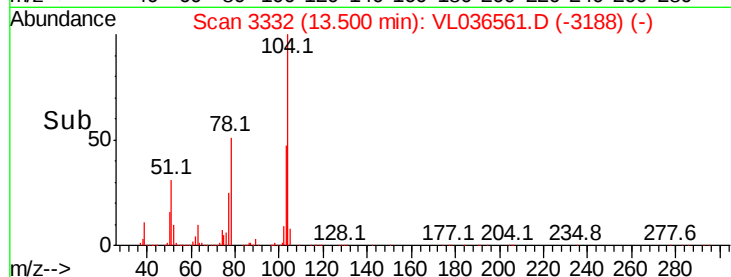
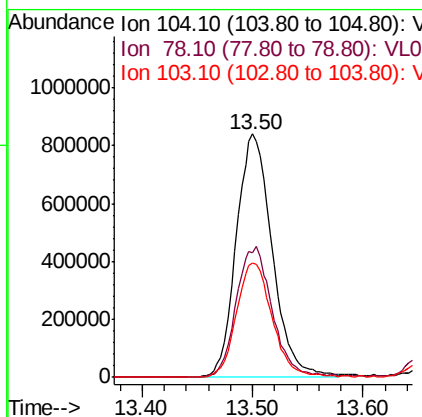
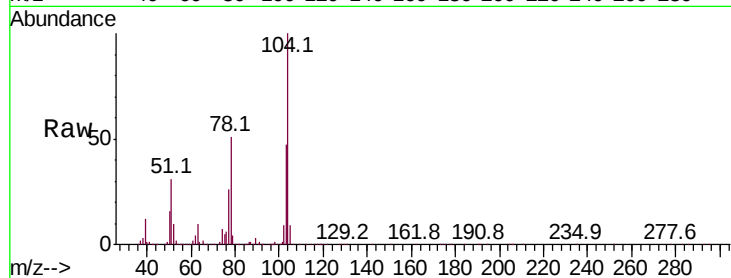
#61
Stvrene
Concen: 9.665 ppbv
RT: 13.50 min Scan# 3332
Delta R.T. -0.04 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :
VL0330ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.4	43.8	65.8
103	47.1	38.3	57.5

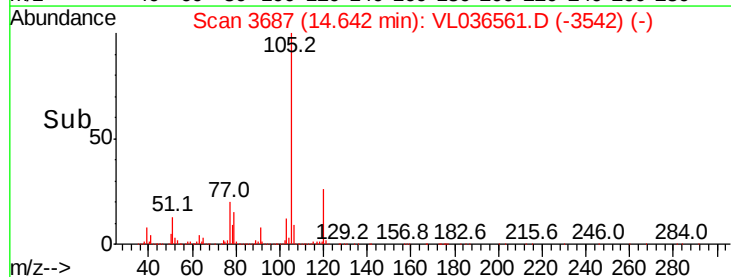
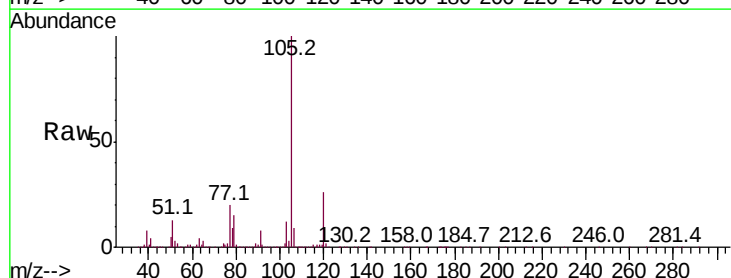
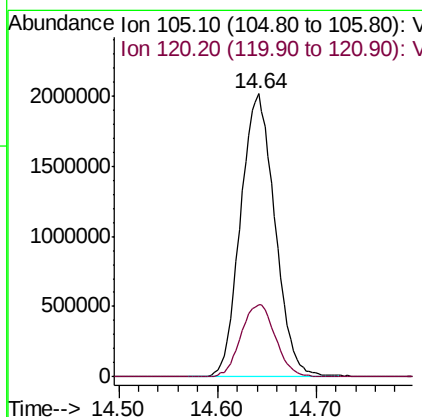
Manual Integrations
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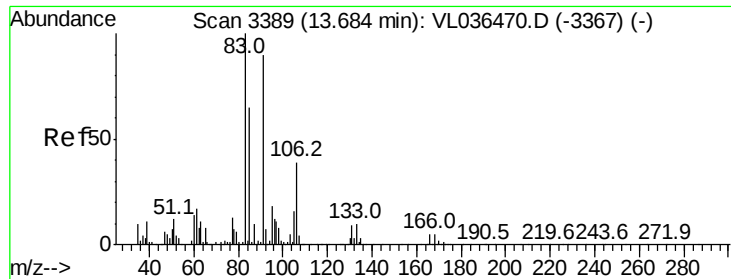
MMDadoda
4/1/2021 10:57:28 AM



#62
Isopropylbenzene
Concen: 9.249 ppbv
RT: 14.64 min Scan# 3687
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.6	31.0





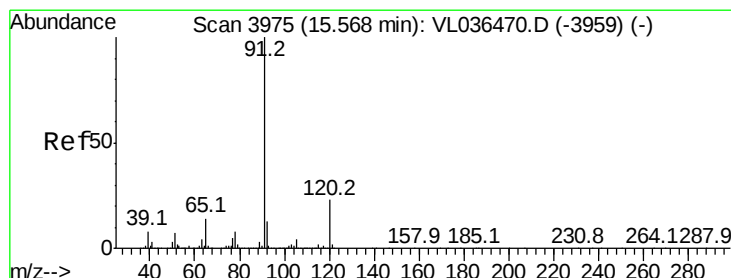
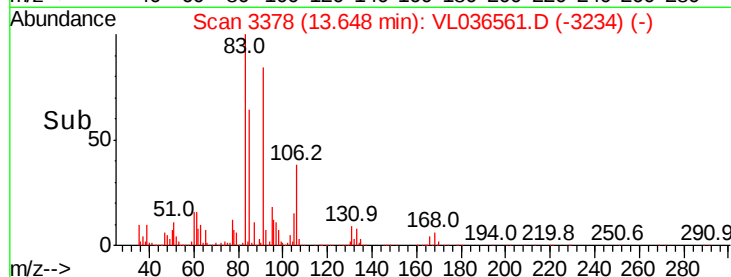
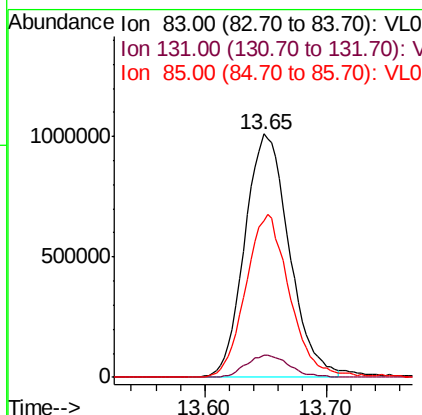
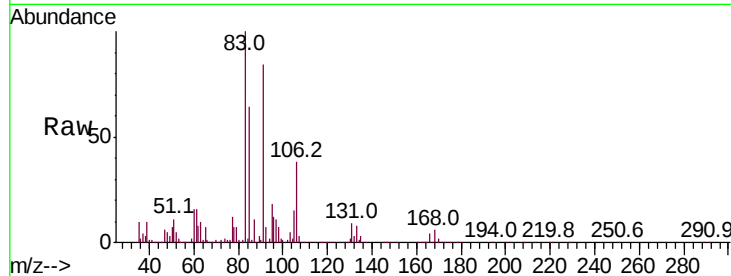
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.557 ppbv
 RT: 13.65 min Scan# 3378
 Delta R.T. -0.04 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0330ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.7	14.0
85	67.1	33.1	99.3

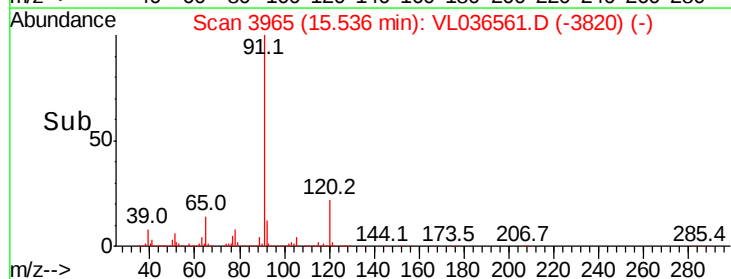
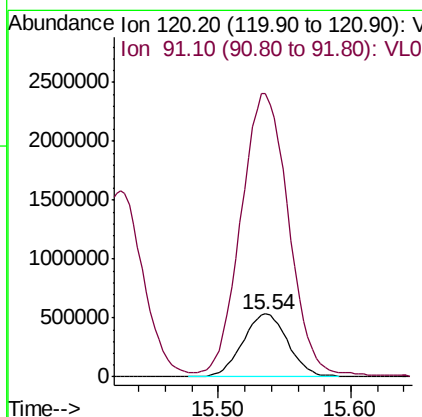
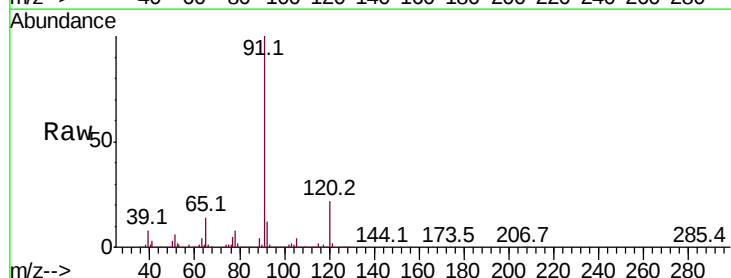
Manual Integrations
 APPROVED

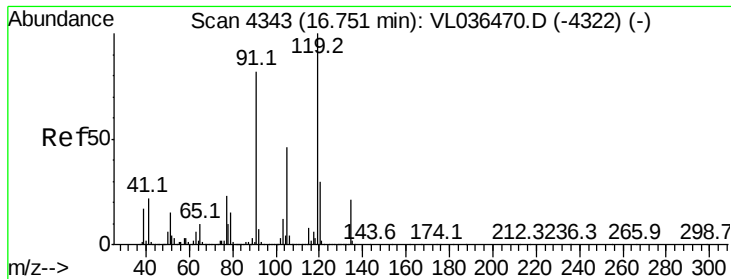
MMDadoda
 4/1/2021 10:57:28 AM



#64
 n-propylbenzene
 Concen: 9.927 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.03 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Tgt Ion	Ratio	Lower	Upper
120	100		
91	478.2	377.4	566.2





#65

tert-Butylbenzene

Concen: 9.211 ppbv

RT: 16.72 min Scan# 4332

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

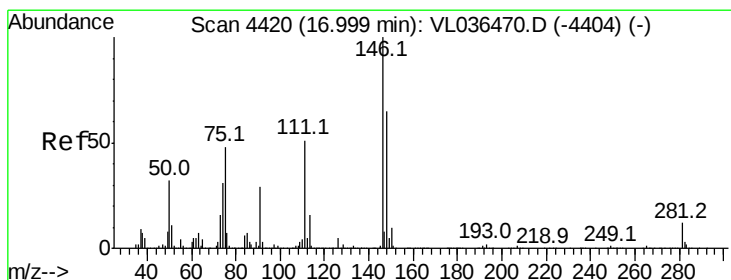
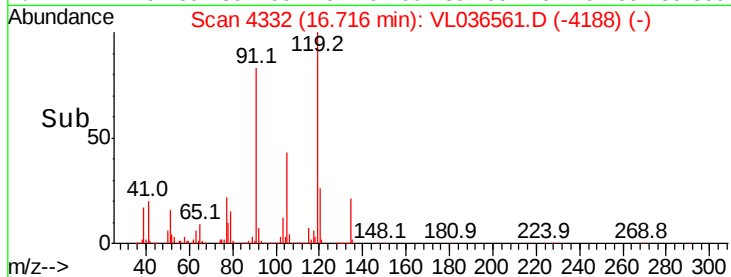
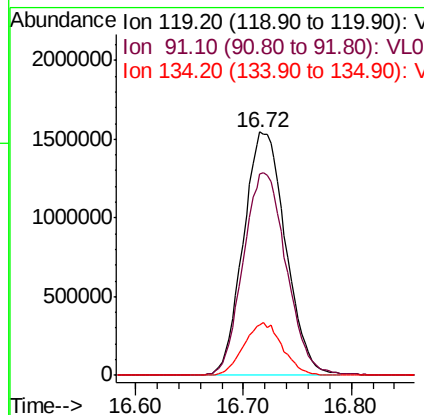
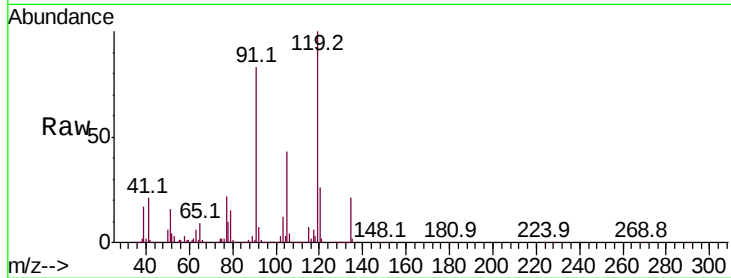
ClientSampleId :

VL0330ABS01

Tot Ion:	119	Resp:	4192993
Ion	Ratio	Lower	Upper
119	100		
91	85.1	67.5	101.3
134	19.9	15.8	23.8

Manual Integrations
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#66

Benzyl Chloride

Concen: 9.895 ppbv

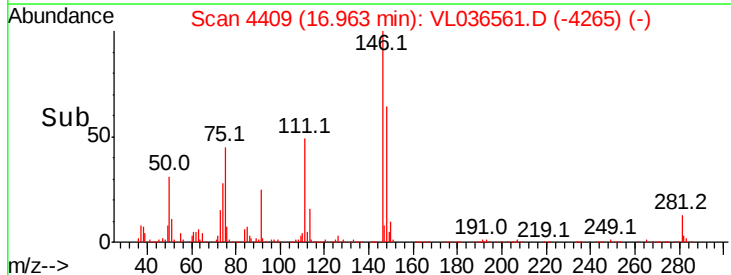
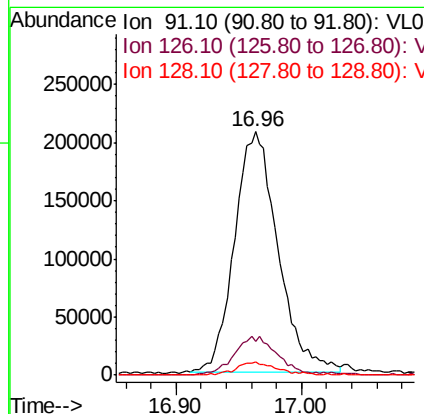
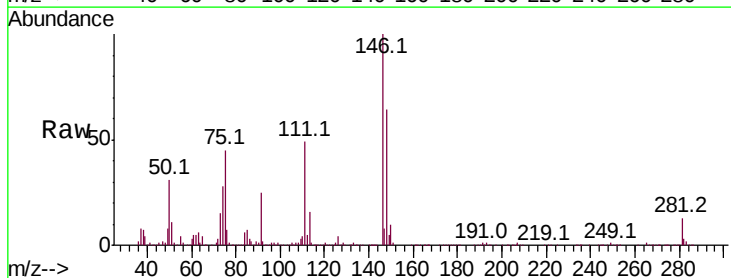
RT: 16.96 min Scan# 4409

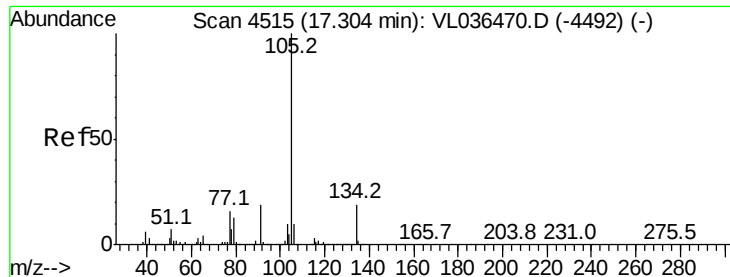
Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Tgt Ion:	91	Resp:	497890
Ion	Ratio	Lower	Upper
91	100		
126	16.6	13.5	20.3
128	5.4	4.2	6.4





#67

sec-Butylbenzene

Concen: 9.234 ppbv

RT: 17.27 min Scan# 4504

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

VL0330ABS01

Tot Ion:105 Resp: 5933668

Ion Ratio Lower Upper

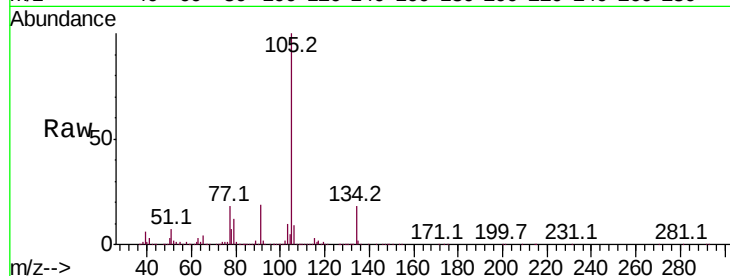
105 100

134 18.2 14.7 22.1

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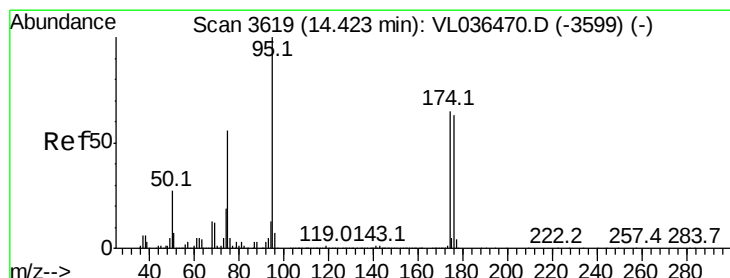
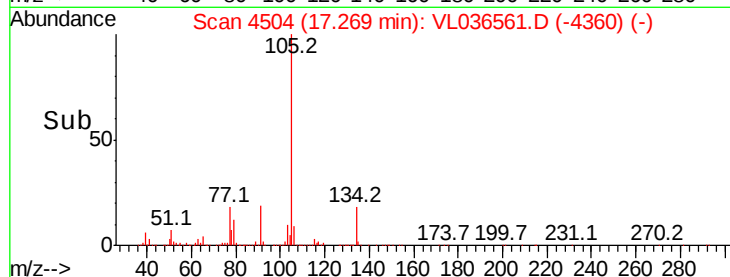
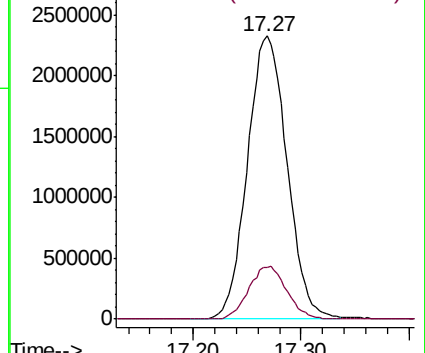
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.677 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

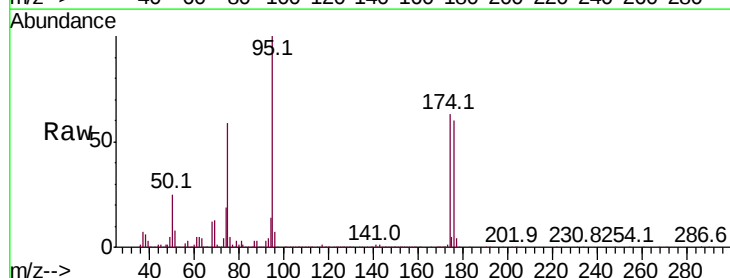
Tgt Ion: 95 Resp: 2703594

Ion Ratio Lower Upper

95 100

174 63.1 51.0 76.6

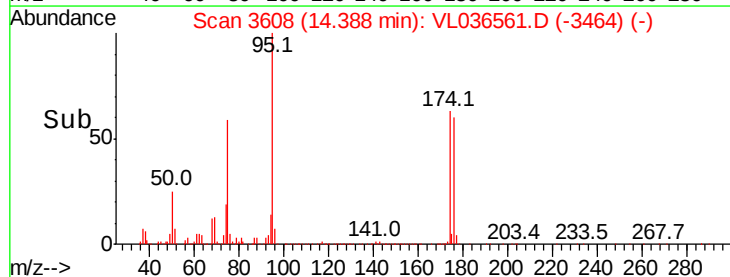
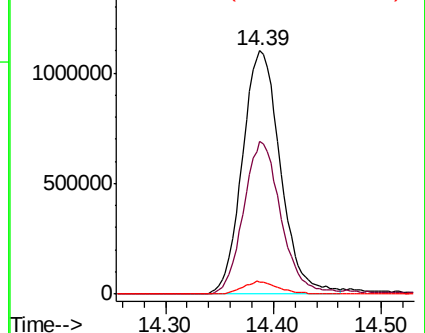
175 4.9 3.9 5.9

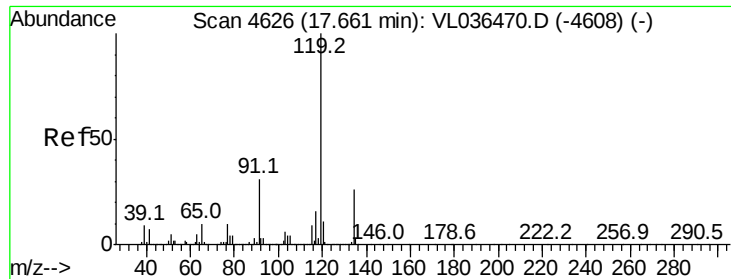


Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





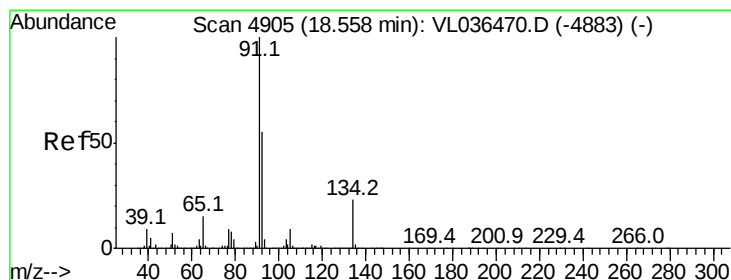
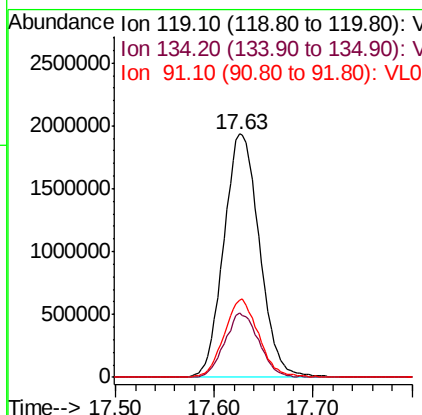
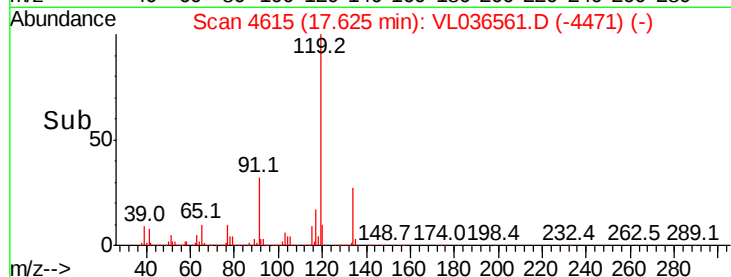
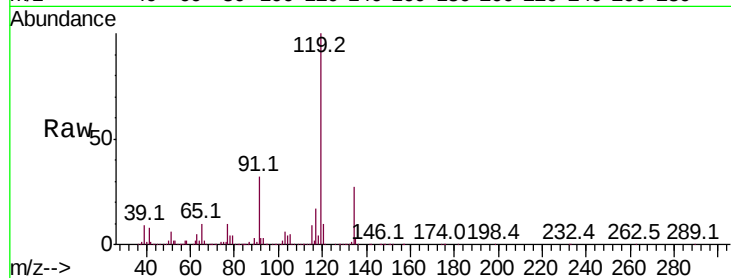
#69
 p-Isopropyltoluene
 Concen: 9.681 ppbv
 RT: 17.63 min Scan# 4615
 Delta R.T. -0.04 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0330ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	30.8
91	31.3	25.0	37.6

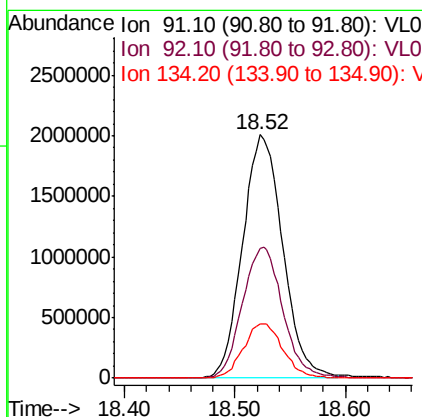
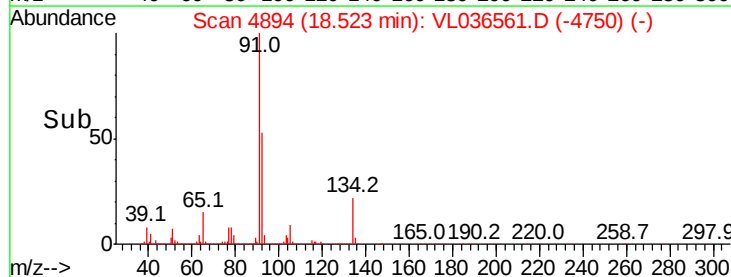
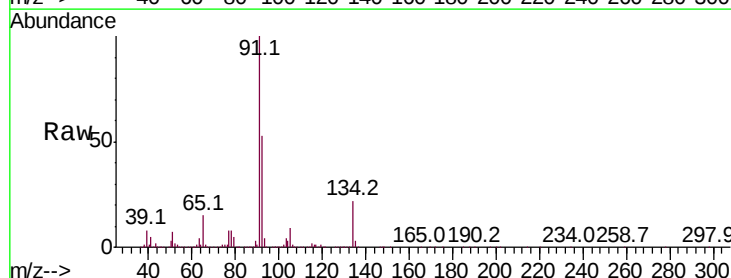
Manual Integrations
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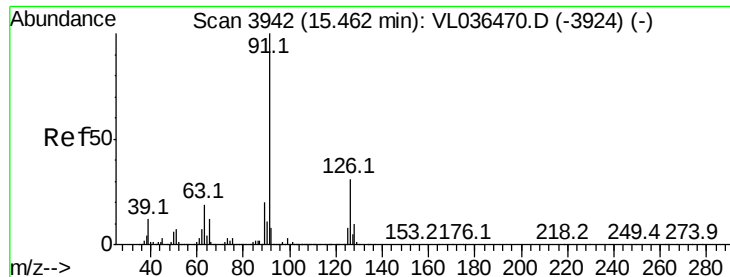
MMDadoda
 4/1/2021 10:57:28 AM



#70
 n-Butylbenzene
 Concen: 9.746 ppbv
 RT: 18.52 min Scan# 4894
 Delta R.T. -0.04 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.8	65.8
134	22.2	18.0	27.0





#71

2-Chlorotoluene

Concen: 9.639 ppbv

RT: 15.43 min Scan# 3931

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

VL0330ABS01

Tot Ion: 91 Resp: 3791795

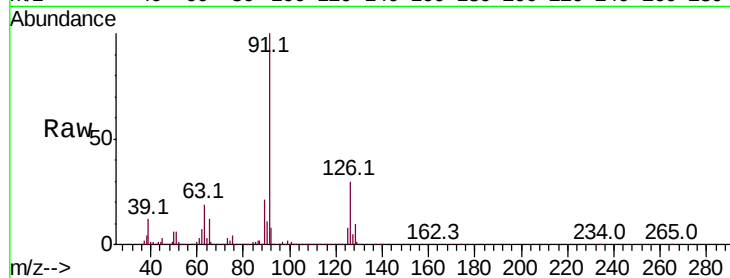
Ion Ratio Lower Upper

91 100

126 29.6 12.1 48.5

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2500000

2000000

1500000

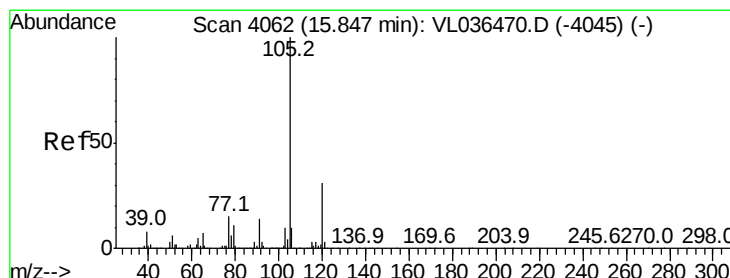
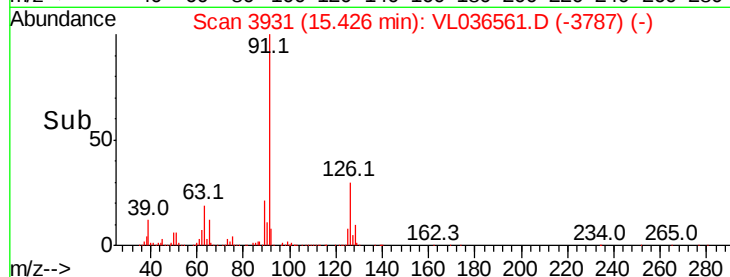
1000000

500000

0

15.30 15.40 15.50

Time-->



#72

4-Ethyltoluene

Concen: 9.663 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Tgt Ion: 105 Resp: 4127779

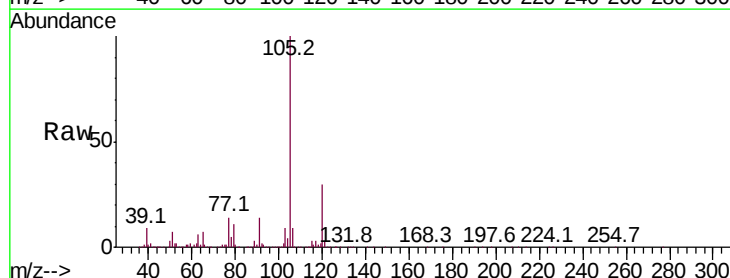
Ion Ratio Lower Upper

105 100

120 30.4 24.0 36.0

91 13.8 11.0 16.4

77 15.6 11.7 17.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

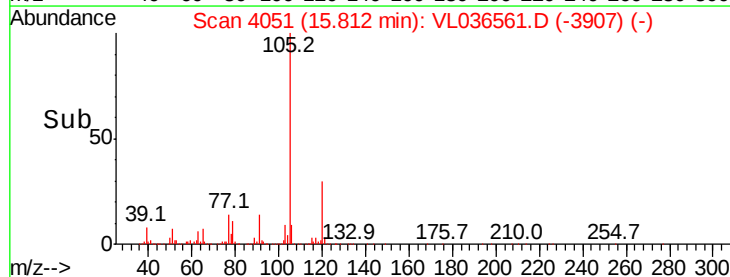
1000000

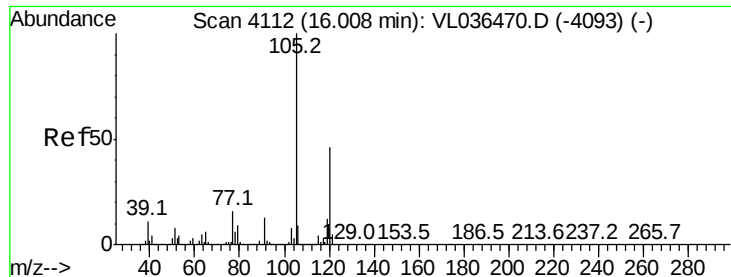
500000

0

15.80 15.90

Time-->





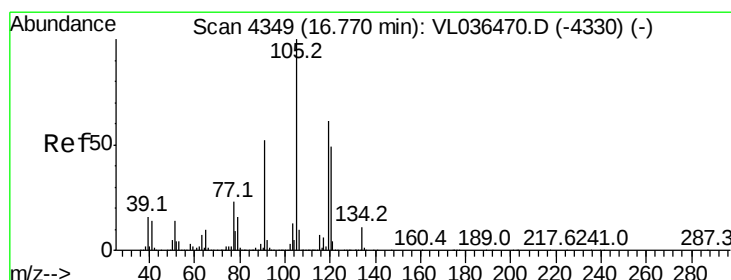
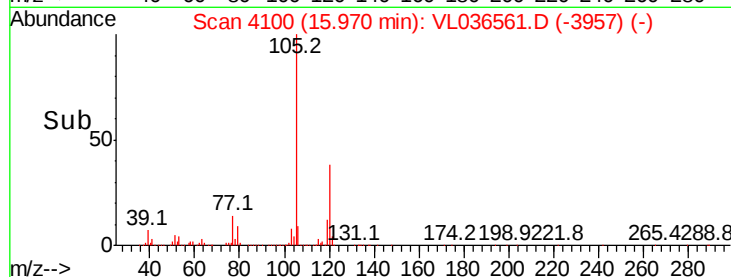
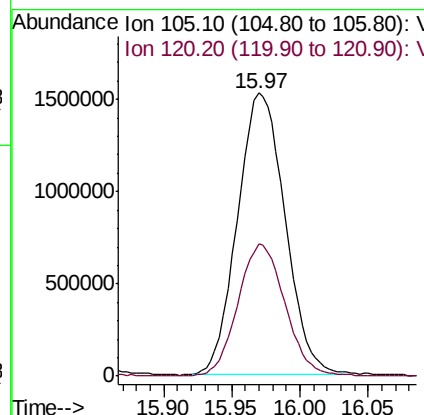
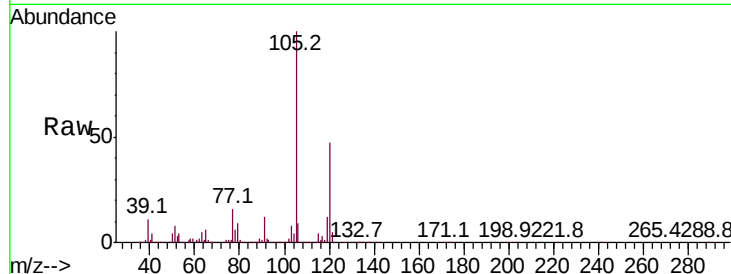
#73
 1,3,5-Trimethylbenzene
 Concen: 9.234 ppbv
 RT: 15.97 min Scan# 4100
 Delta R.T. -0.04 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0330ABS01

Tot Ion:105 Resp: 3681360
 Ion Ratio Lower Upper
 105 100
 120 46.6 36.6 54.8

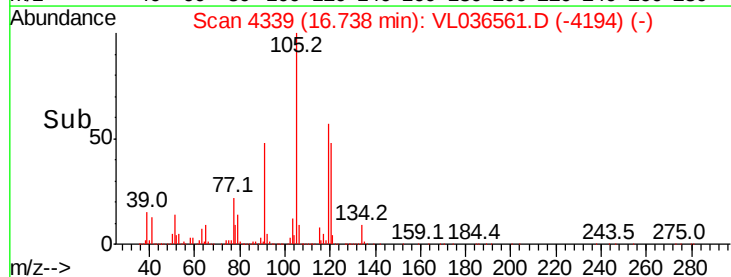
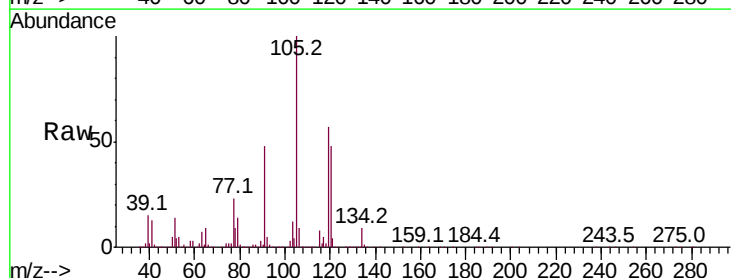
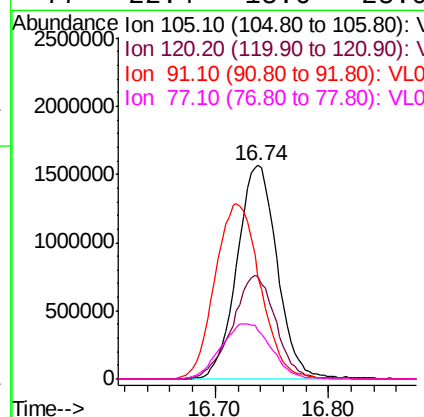
Manual Integrations
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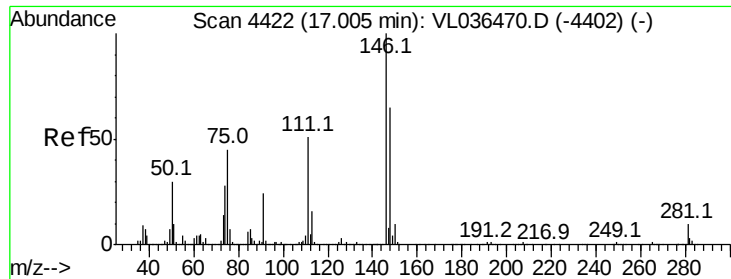
MMDadoda
 4/1/2021 10:57:28 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.033 ppbv
 RT: 16.74 min Scan# 4339
 Delta R.T. -0.03 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Tgt Ion:105 Resp: 3853855
 Ion Ratio Lower Upper
 105 100
 120 47.9 39.2 58.8
 91 47.8 42.6 64.0
 77 22.4 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 9.353 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

VL0330ABS01

Tot Ion:146 Resp: 2246100

Ion Ratio Lower Upper

146 100

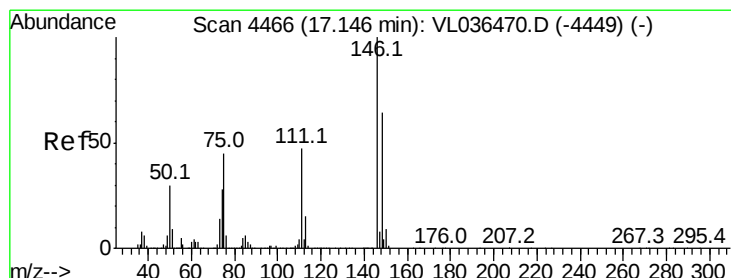
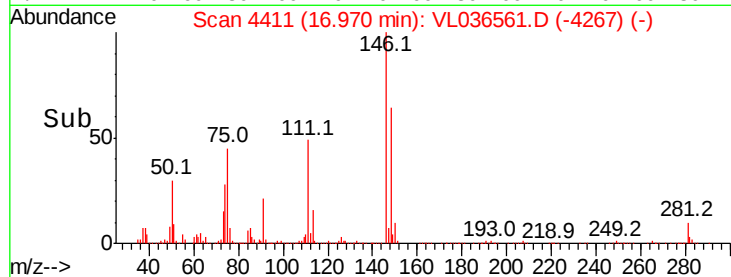
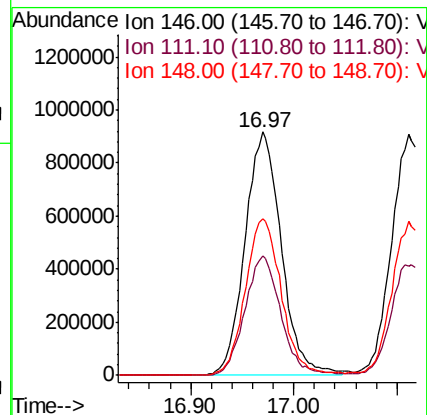
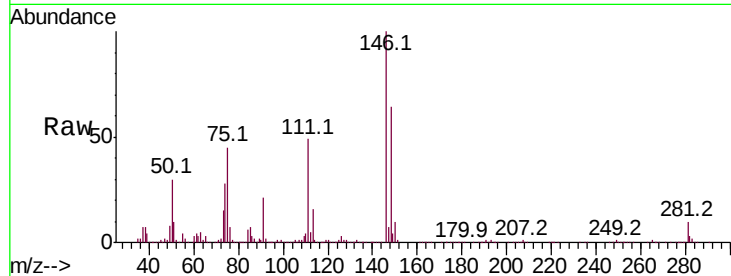
111 48.7 24.5 73.5

148 64.0 32.3 96.9

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 8.974 ppbv

RT: 17.11 min Scan# 4455

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

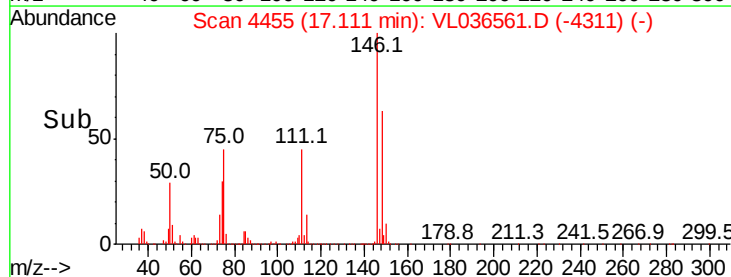
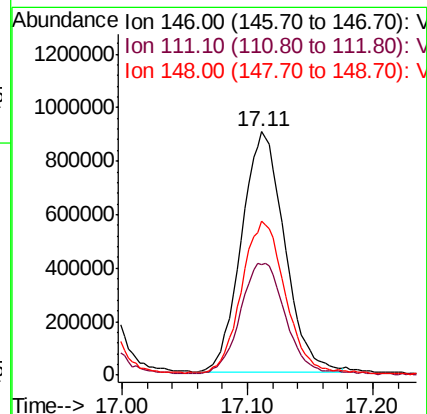
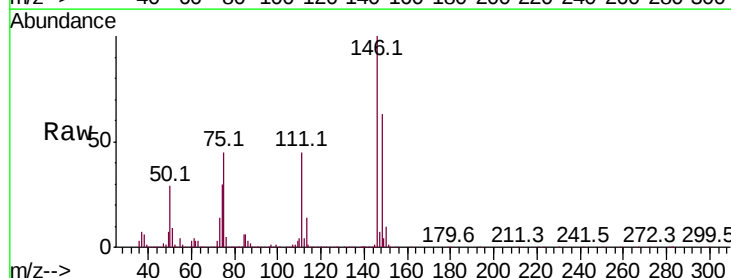
Tgt Ion:146 Resp: 2139659

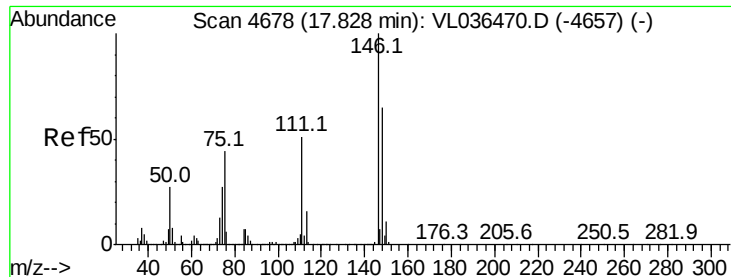
Ion Ratio Lower Upper

146 100

111 49.4 24.3 72.8

148 66.1 33.0 98.9





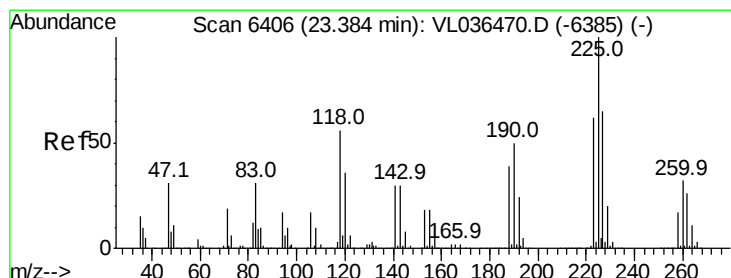
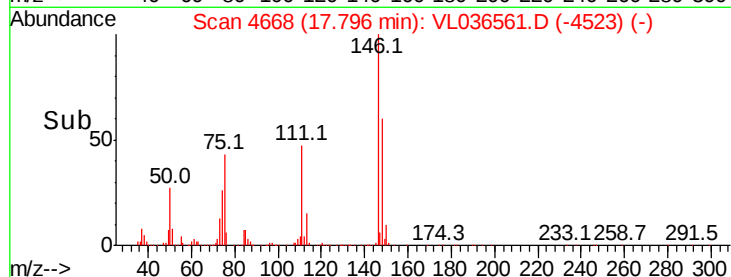
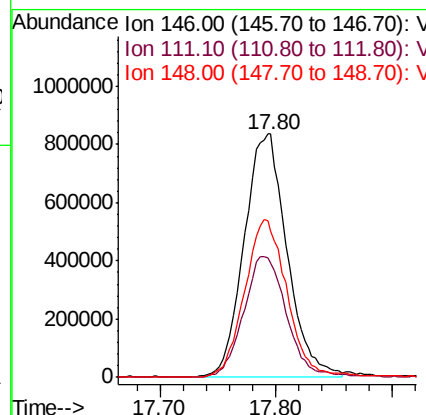
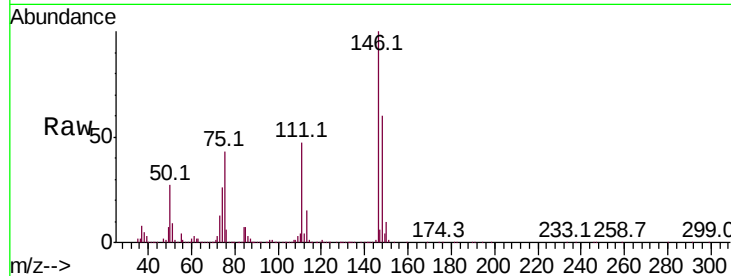
#77
 1,2-Dichlorobenzene
 Concen: 9.427 ppbv
 RT: 17.80 min Scan# 4668
 Delta R.T. -0.03 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0330ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.2	25.5	76.5
148	65.0	32.9	98.6

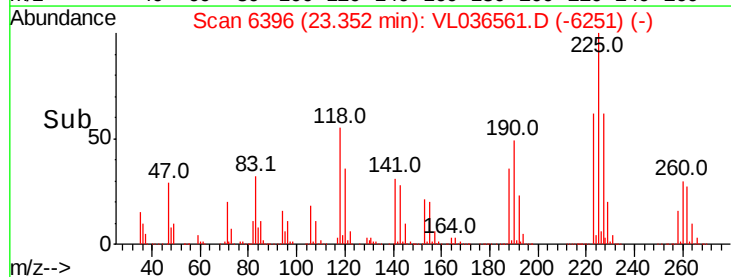
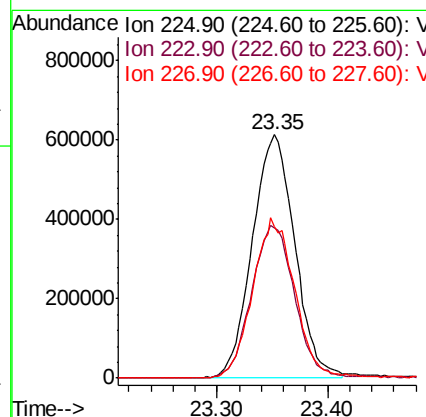
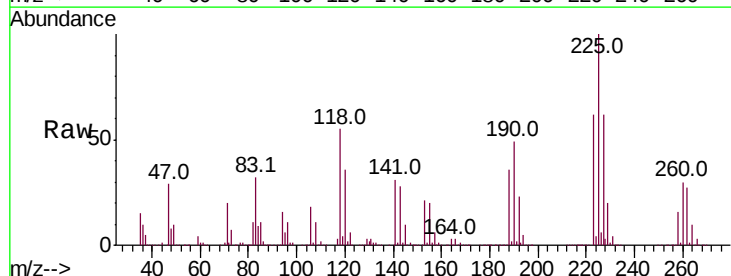
Manual Integrations
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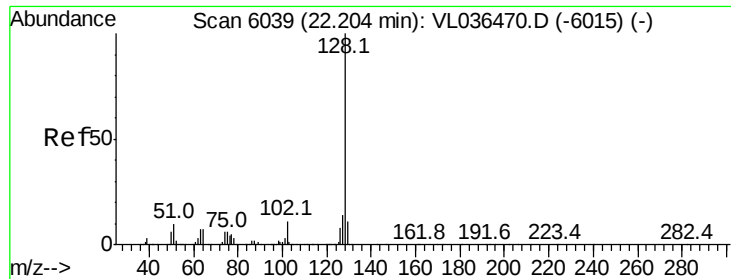
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.098 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.03 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	50.6	75.8
227	65.6	52.2	78.2





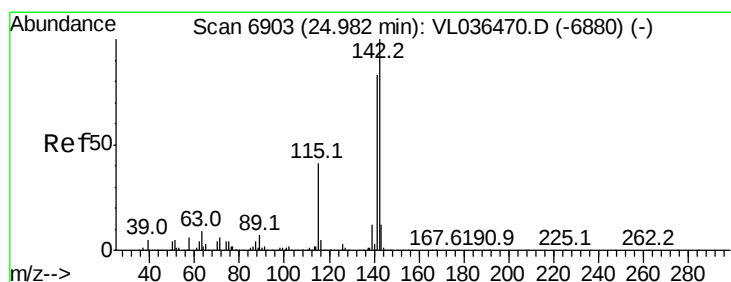
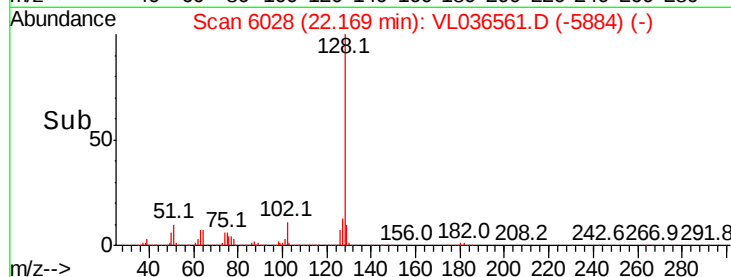
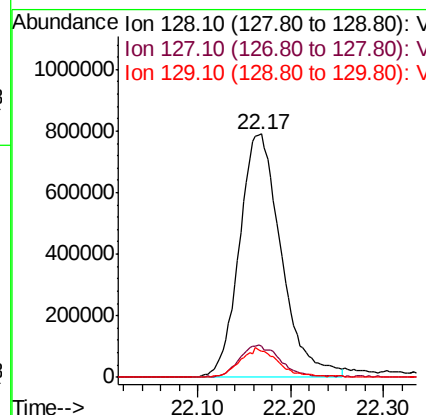
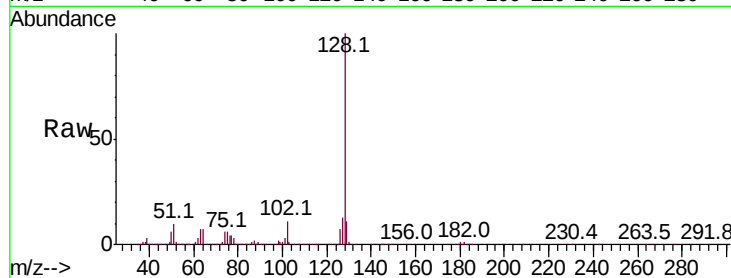
#79
Naphthalene
Concen: 9.951 ppbv
RT: 22.17 min Scan# 6028
Delta R.T. -0.04 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :
VL0330ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.9	16.3
129	10.5	9.0	13.4

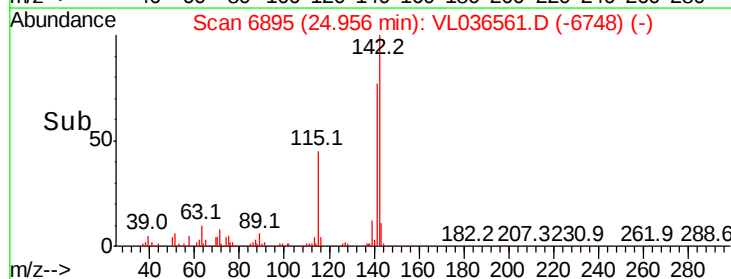
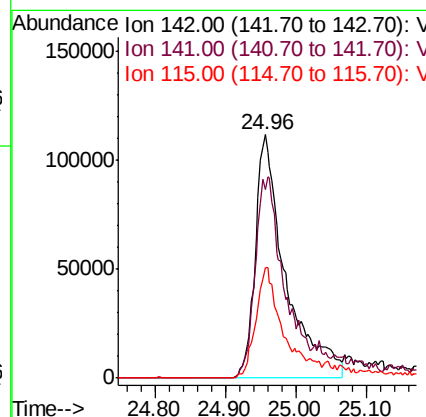
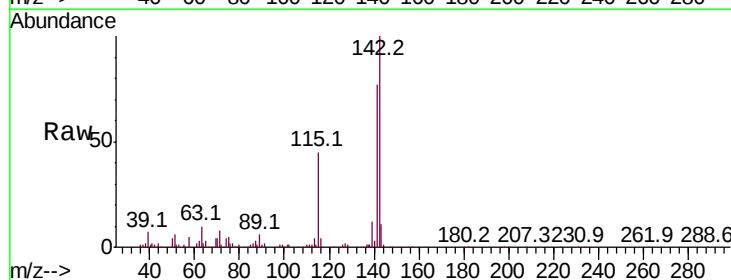
Manual Integrations
APPROVED

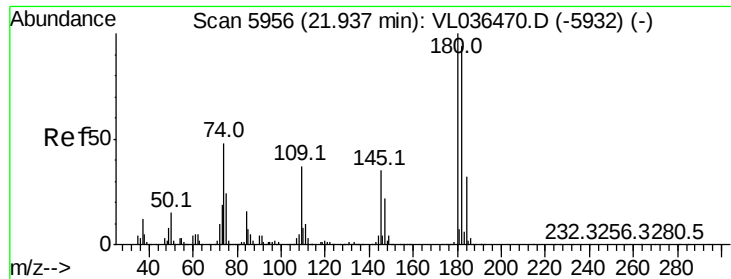
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4/1/2021 10:57:28 AM



#80
Naphthalene, 2-methyl-
Concen: 6.781 ppbv
RT: 24.96 min Scan# 6895
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.2	67.8	101.8
115	41.7	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.814 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. -0.04 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0330ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.5	80.8	121.2
184	31.3	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 4/1/2021 10:57:28 AM

