

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040921\
 Data File : VL036771.D
 Acq On : 9 Apr 2021 12:11
 Operator : SY/AP
 Sample : VL0409ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 5:42:38 PM

Quant Time: Apr 10 03:18:15 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 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	1400645	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3546775	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	3166384	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2097031	8.31	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1874680	8.206	ppbv	98
3) Chlorodifluoromethane	2.98	51	2291357	8.756	ppbv	100
4) Chloromethane	3.13	50	790862	8.556	ppbv	98
5) Vinyl Chloride	3.25	62	816918	8.595	ppbv	97
6) Bromomethane	3.46	94	463951	8.866	ppbv	98
7) Chloroethane	3.55	64	295287	9.042	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	1893428	8.684	ppbv	98
9) Propene	3.00	41	743661	8.914	ppbv	99
10) Heptane	8.11	43	1959664	9.221	ppbv	99
11) Trichlorofluoromethane	3.94	101	1968527	8.455	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1306414	8.777	ppbv	99
13) Ethanol	3.59	45	88561	8.914	ppbv	100
14) Bromoethene	3.73	108	551777	8.917	ppbv	99
15) Acetone	3.84	43	1103506	8.005	ppbv	100
16) 1,3-Butadiene	3.31	39	815942	8.502	ppbv	96
17) tert-Butyl alcohol	4.28	59	1256971	10.474	ppbv	100
18) 1,1-Dichloroethene	4.28	96	567161	8.566	ppbv	100
19) Isopropyl Alcohol	3.95	45	750373	9.895	ppbv #	96
20) Methylene Chloride	4.33	84	511859	7.930	ppbv	93
21) Allyl Chloride	4.40	41	983534	8.950	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	563112	9.174	ppbv	90
23) Vinyl Acetate	5.06	43	2316676	9.824	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1533002	8.919	ppbv	99
25) Ethyl Acetate	5.67	43	3001532	9.158	ppbv	100
26) Hexane	5.67	57	1388575	9.130	ppbv	99
27) Carbon Disulfide	4.54	76	1456869	9.724	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1705583	9.509	ppbv	100
29) Chloroform	5.74	83	2202866	9.056	ppbv	98
30) Cyclohexane	7.12	84	1155627	9.369	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1372870	9.332	ppbv	91
32) 1,1,1-Trichloroethane	6.50	97	2255289	9.200	ppbv	99
34) 2-Butanone	5.23	43	1507871	8.709	ppbv	98
35) Carbon Tetrachloride	7.01	117	2356729	8.651	ppbv	99
36) Benzene	6.88	78	2922189	8.933	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1657387	8.609	ppbv	99
38) Trichloroethene	7.82	130	1065909	8.373	ppbv	97
39) 1,2-Dichloropropane	7.60	63	1148712	8.657	ppbv	97
40) 1,4-Dioxane	7.82	88	287774	9.318	ppbv #	1
41) Tetrahydrofuran	6.04	42	706873	8.855	ppbv	94
42) Bromodichloromethane	7.78	83	2392378	9.136	ppbv	99
43) Methyl Methacrylate	8.00	69	1059332	9.644	ppbv	98

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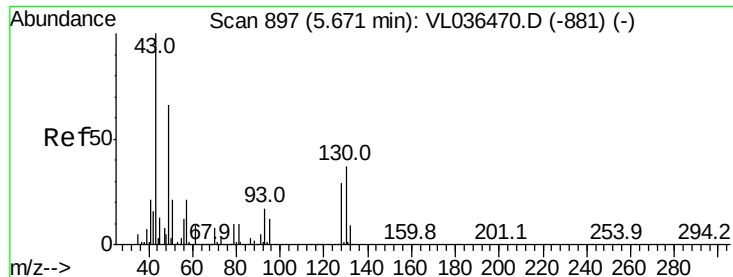
Manual Integrations
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 4/12/2021 5:42:38 PM

Quant Time: Apr 10 03:18:15 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	7.86	57	4931550	8.566	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1291368	10.296	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1576997	9.836	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	1195259	8.893	ppbv	97
48) Dibromochloromethane	10.29	129	1991538	9.721	ppbv	100
49) Bromoform	13.03	173	1634266	9.900	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2290505	9.143	ppbv	99
51) 2-Hexanone	10.13	43	1189052	9.406	ppbv #	98
52) Tetrachloroethene	11.21	164	991512	8.232	ppbv	95
53) Toluene	9.79	91	3272418	9.394	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1738700	9.161	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1326493	9.262	ppbv	97
57) Chlorobenzene	12.14	112	2425532	9.003	ppbv	98
58) Ethyl Benzene	12.70	91	4396026	9.543	ppbv	100
59) m/p-Xylene	12.99	91	7461820m	18.571	ppbv	
60) o-Xylene	13.68	91	3516530	9.052	ppbv	99
61) Styrene	13.52	104	2067520	10.578	ppbv	99
62) Isopropylbenzene	14.66	105	4746342	9.072	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2545461	8.589	ppbv	99
64) n-propylbenzene	15.55	120	1241746	9.708	ppbv	98
65) tert-Butylbenzene	16.73	119	4129491	9.102	ppbv	100
66) Benzyl Chloride	16.98	91	569812	11.363	ppbv	99
67) sec-Butylbenzene	17.29	105	5865955	9.160	ppbv	99
69) p-Isopropyltoluene	17.64	119	4834376	9.667	ppbv	99
70) n-Butylbenzene	18.54	91	4963681	9.573	ppbv	99
71) 2-Chlorotoluene	15.44	91	3681119	9.390	ppbv	100
72) 4-Ethyltoluene	15.83	105	4076335	9.575	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	3734765	9.400	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	3902876	9.179	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	2251556	9.408	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2173998	9.149	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2181758	9.698	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1614422	8.013	ppbv	99
79) Naphthalene	22.19	128	2612306	10.529	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	419152	8.567	ppbv	93
81) 1,2,4-Trichlorobenzene	21.92	180	1519535	9.919	ppbv	100

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



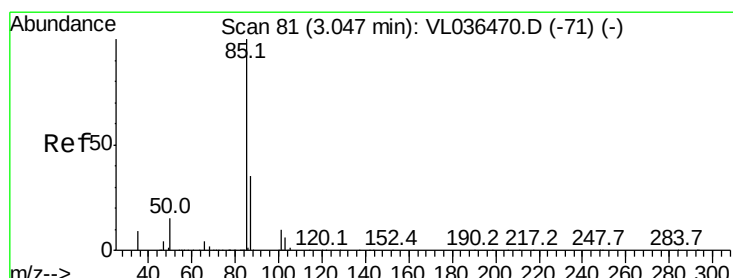
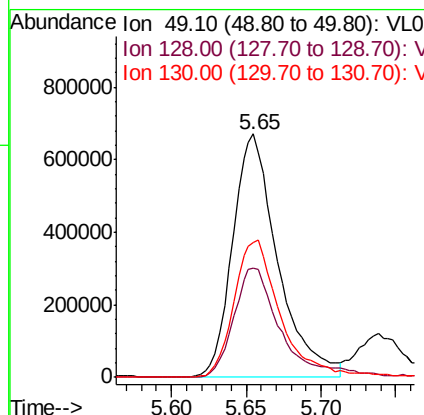
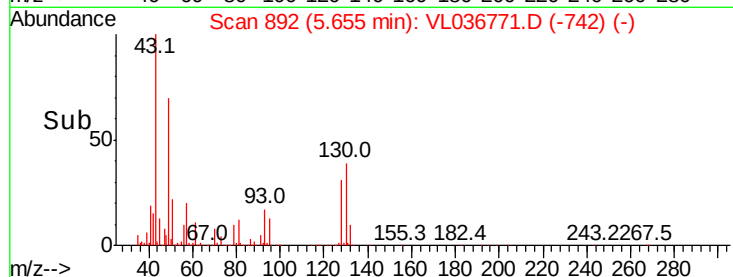
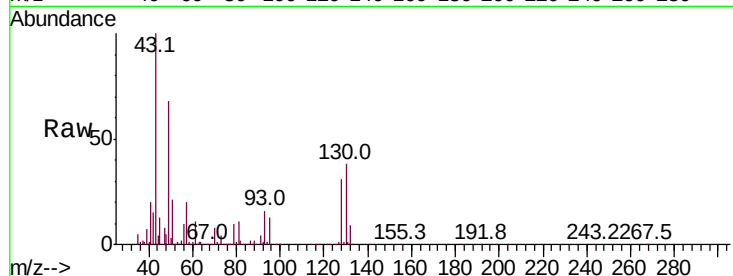
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion: 49 Resp: 1400645
Ion Ratio Lower Upper
49 100
128 48.2 23.5 70.6
130 59.1 29.1 87.4

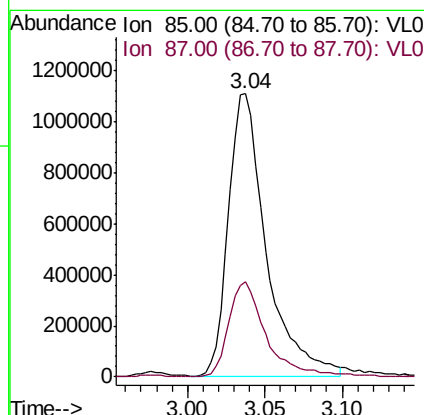
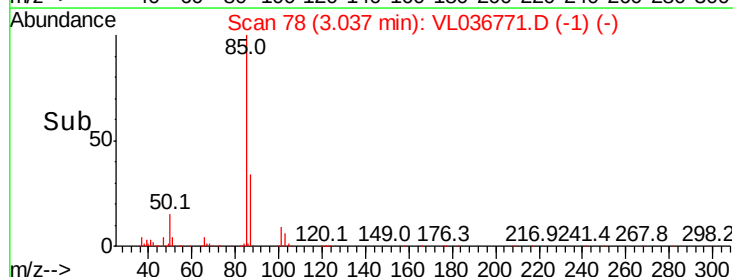
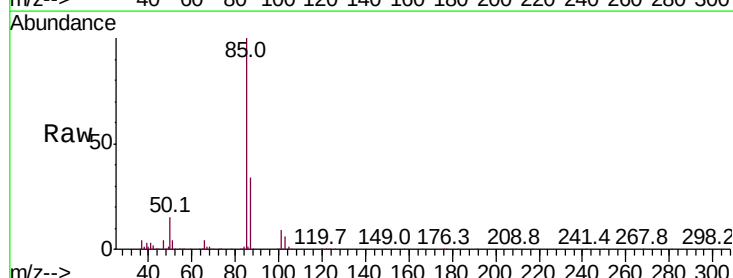
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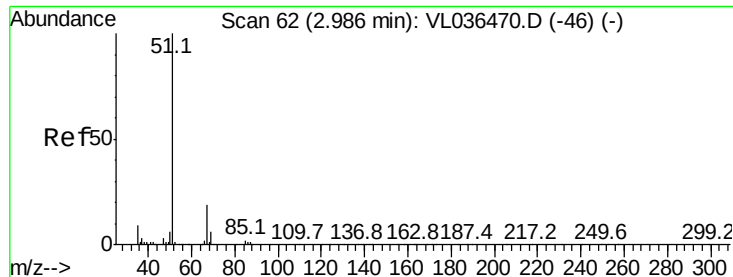
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#2
Dichlorodifluoromethane
Concen: 8.206 ppbv
RT: 3.04 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion: 85 Resp: 1874680
Ion Ratio Lower Upper
85 100
87 33.5 27.8 41.8





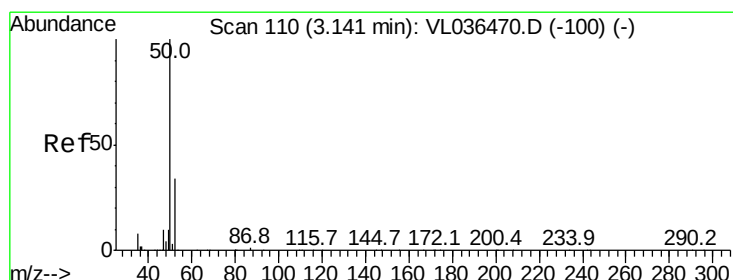
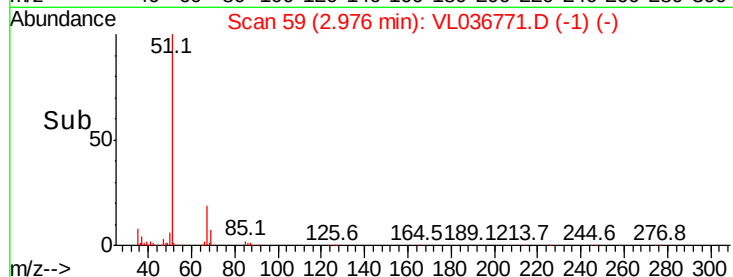
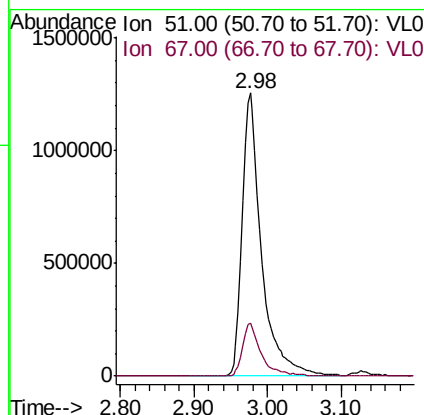
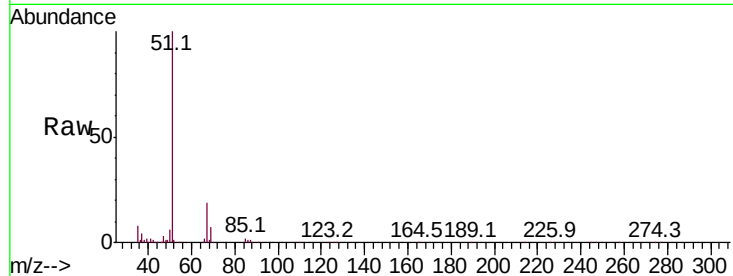
#3
Chlorodifluoromethane
Concen: 8.756 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.01 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion: 51 Resp: 2291357
Ion Ratio Lower Upper
51 100
67 18.4 14.7 22.1

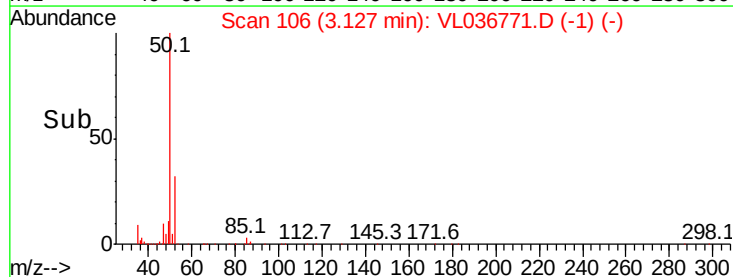
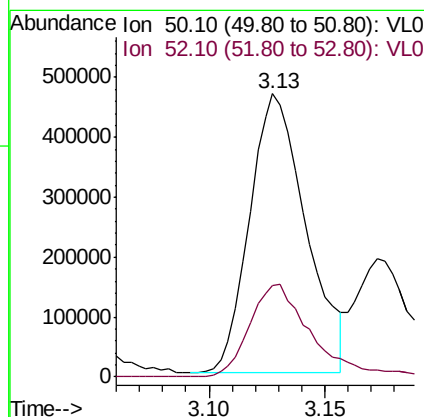
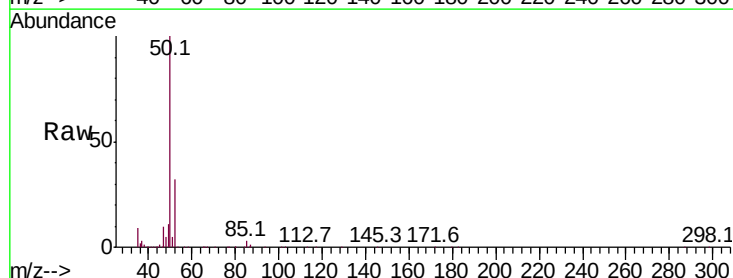
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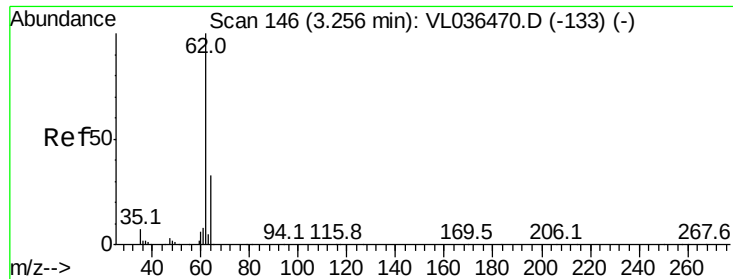
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#4
Chloromethane
Concen: 8.556 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.01 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion: 50 Resp: 790862
Ion Ratio Lower Upper
50 100
52 32.7 27.0 40.6





#5

Vinyl Chloride

Concen: 8.595 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

Tot Ion: 62 Resp: 816918

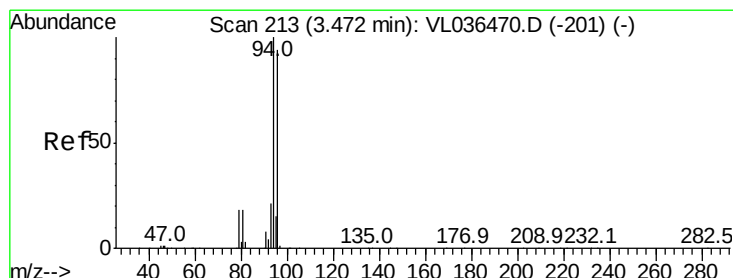
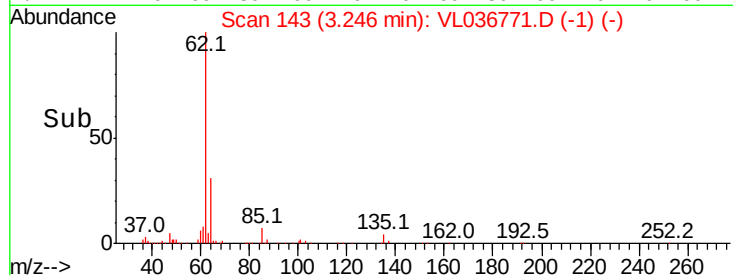
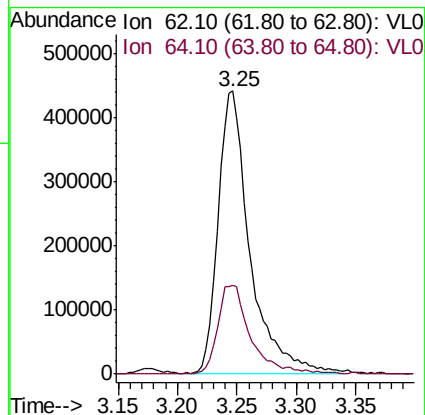
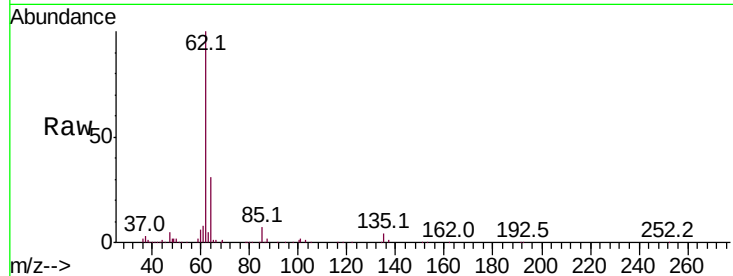
Ion Ratio Lower Upper

62 100

64 31.2 26.4 39.6

Manual Integrations
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#6

Bromomethane

Concen: 8.866 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.01 min

Lab File: VL036771.D

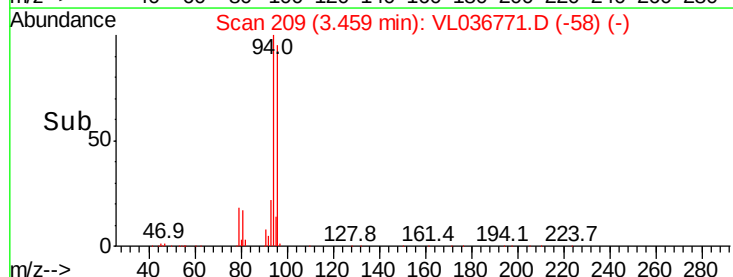
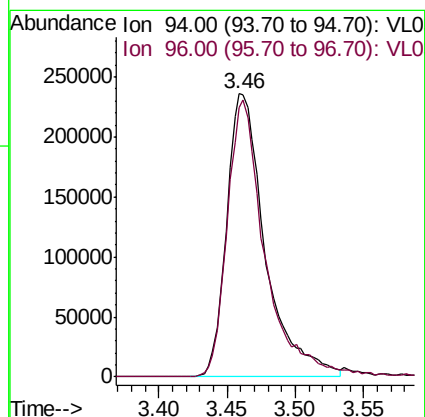
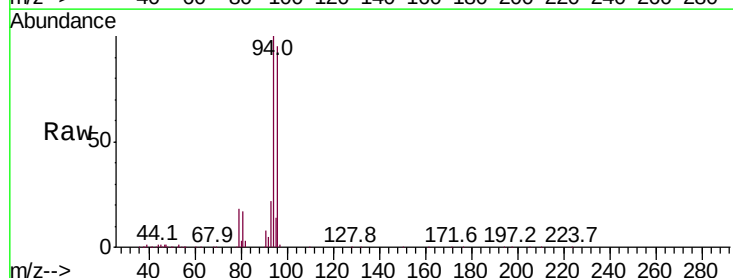
Acq: 9 Apr 2021 12:11

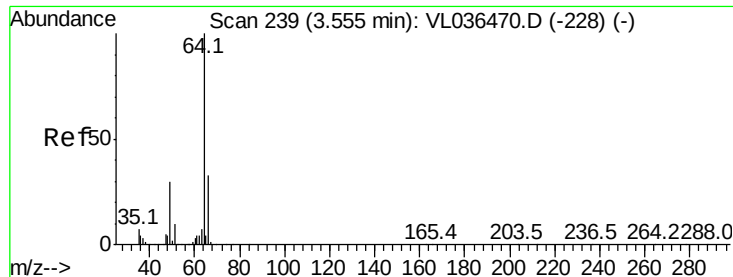
Tgt Ion: 94 Resp: 463951

Ion Ratio Lower Upper

94 100

96 95.2 74.9 112.3





#7

Chloroethane

Concen: 9.042 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

Tot Ion: 64 Resp: 295287

Ion Ratio Lower Upper

64 100

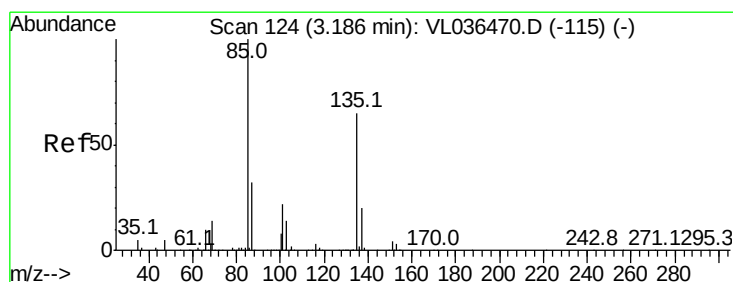
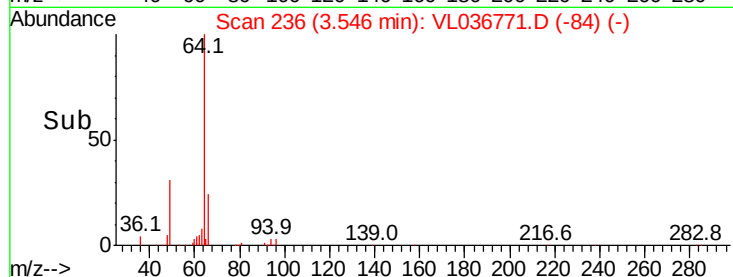
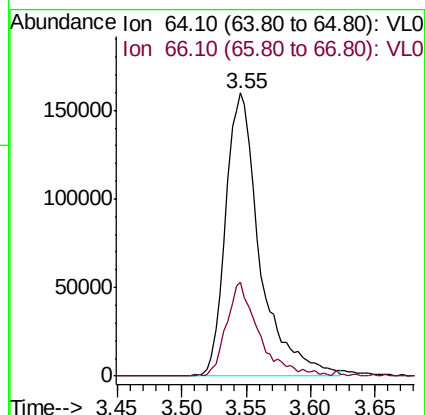
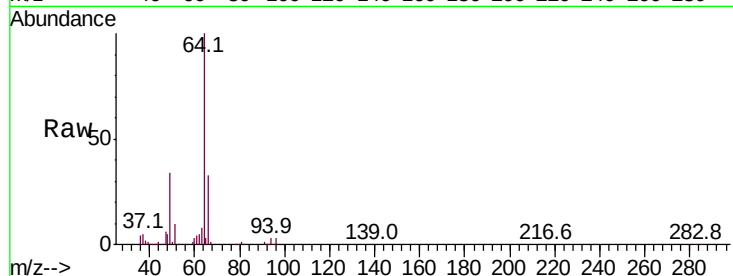
66 33.0 26.2 39.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.684 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL036771.D

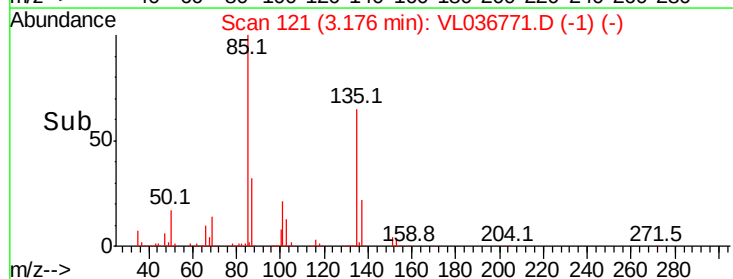
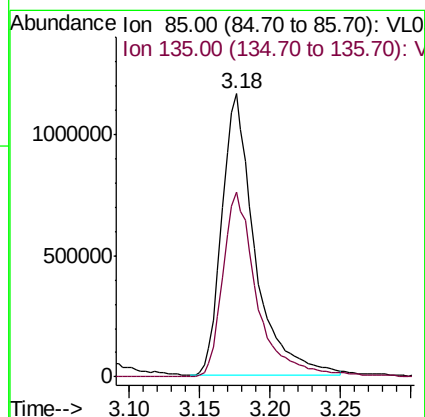
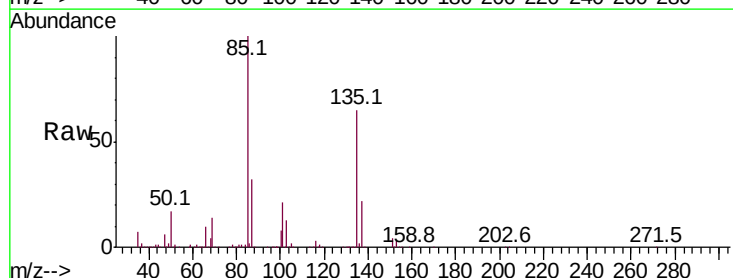
Acq: 9 Apr 2021 12:11

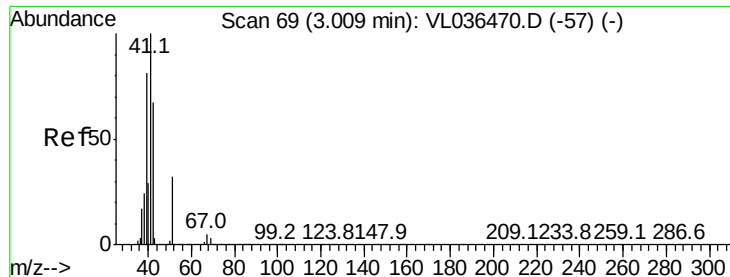
Tgt Ion: 85 Resp: 1893428

Ion Ratio Lower Upper

85 100

135 69.4 54.3 81.5





#9

Propene

Concen: 8.914 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

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ClientSampleId :

VL0409ABS01

Tot Ion: 41 Resp: 743661

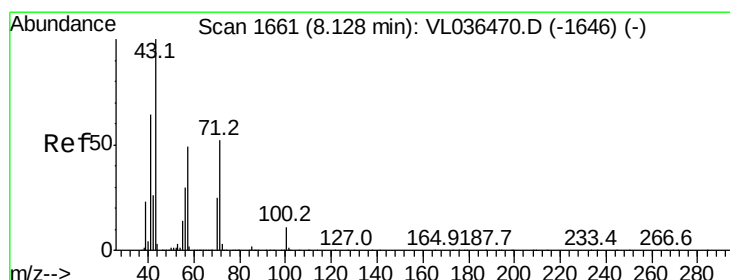
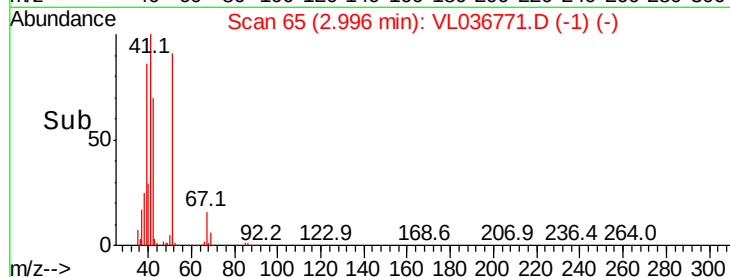
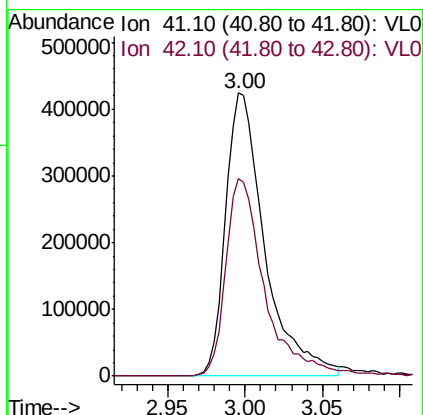
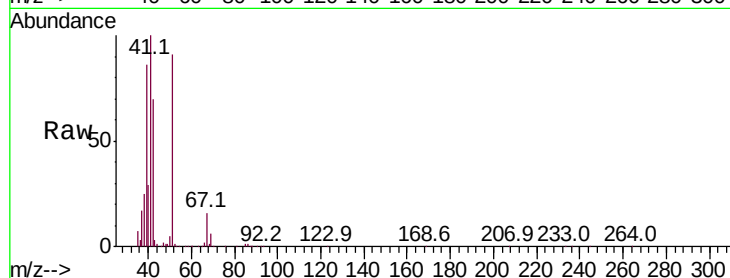
Ion Ratio Lower Upper

41 100

42 70.6 57.0 85.4

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#10

Heptane

Concen: 9.221 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.02 min

Lab File: VL036771.D

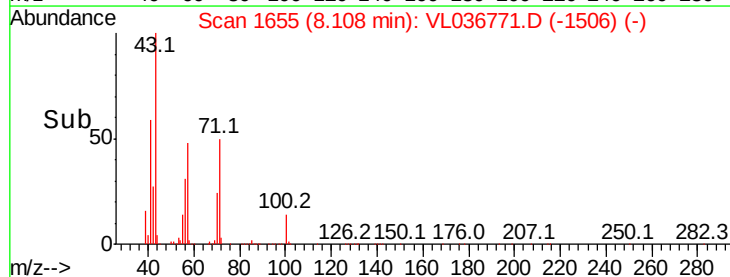
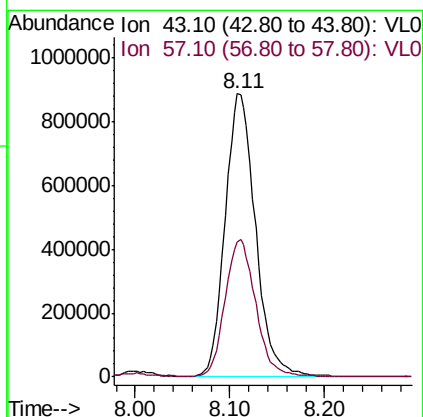
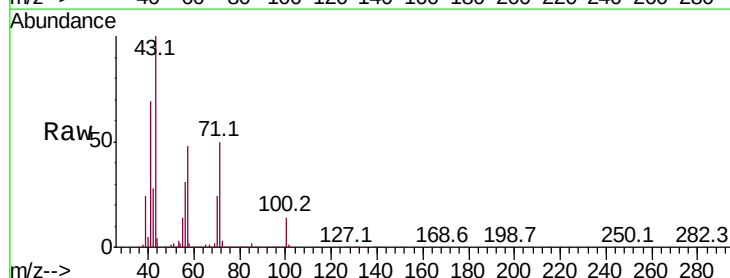
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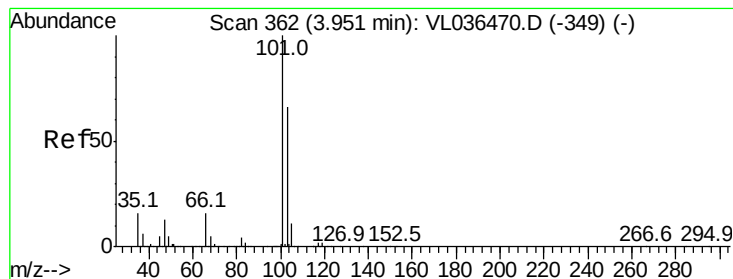
Tgt Ion: 43 Resp: 1959664

Ion Ratio Lower Upper

43 100

57 49.8 39.0 58.6





#11

Trichlorofluoromethane

Concen: 8.455 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.01 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

Tot Ion:101 Resp: 1968527

Ion Ratio Lower Upper

101 100

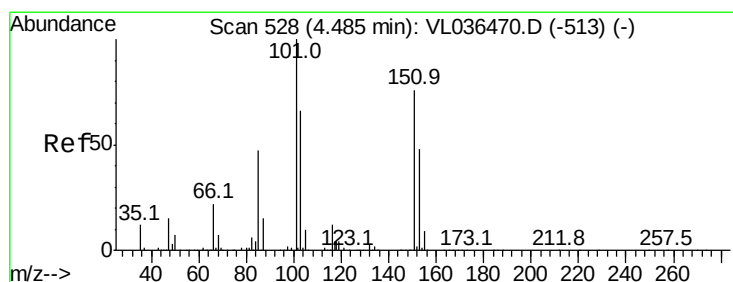
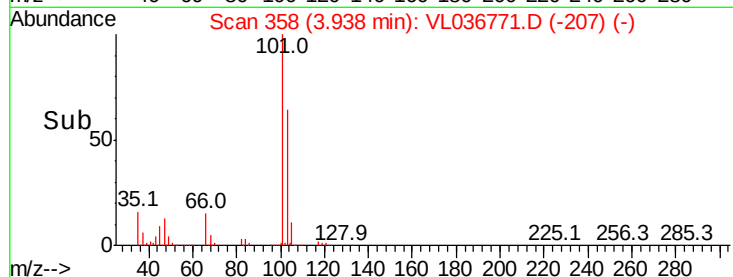
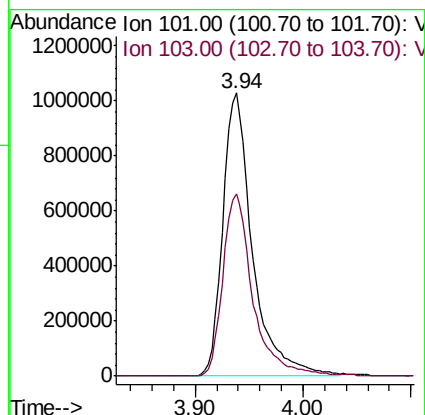
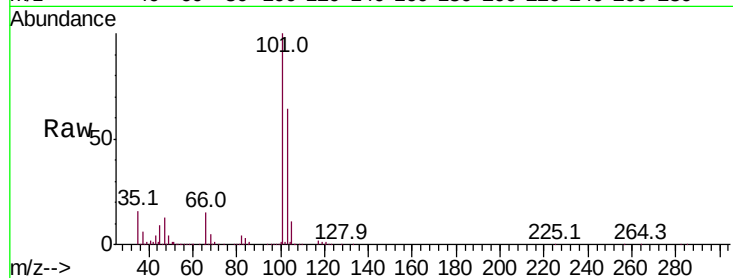
103 64.4 52.5 78.7

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.777 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.01 min

Lab File: VL036771.D

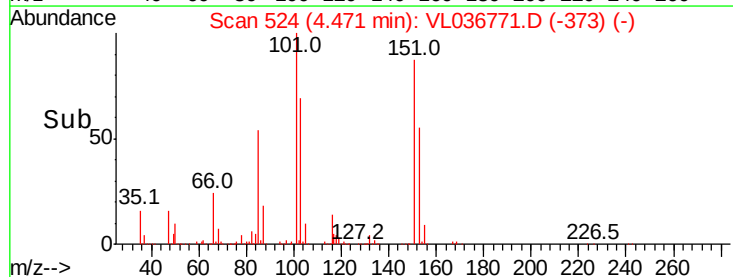
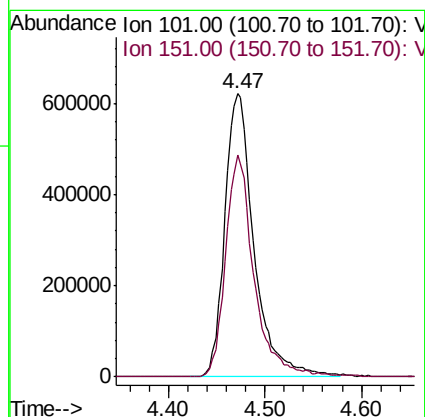
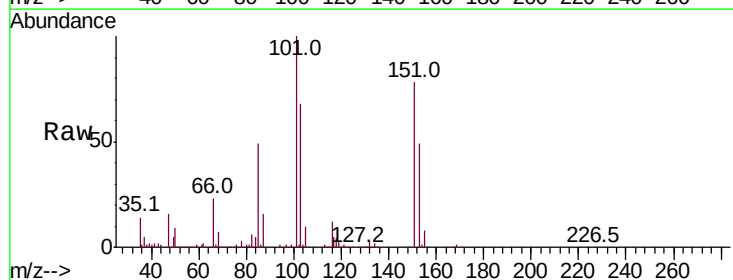
Acq: 9 Apr 2021 12:11

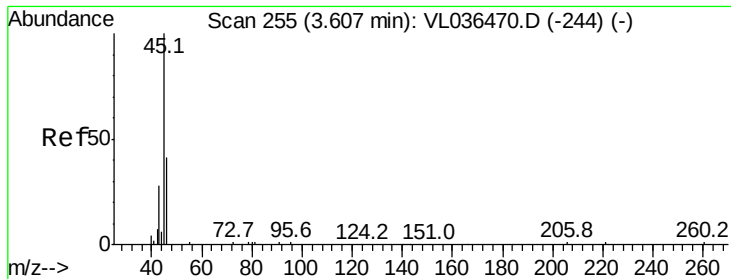
Tgt Ion:101 Resp: 1306414

Ion Ratio Lower Upper

101 100

151 76.8 60.9 91.3





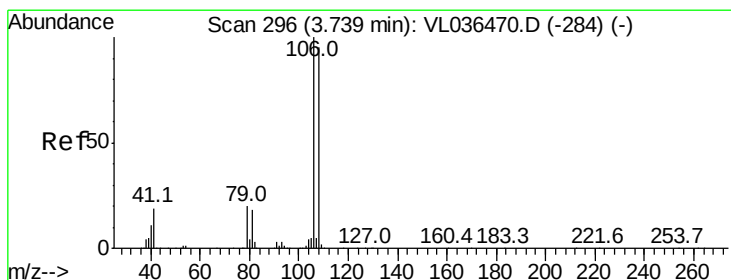
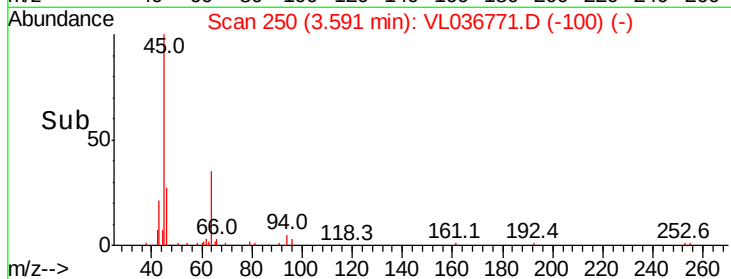
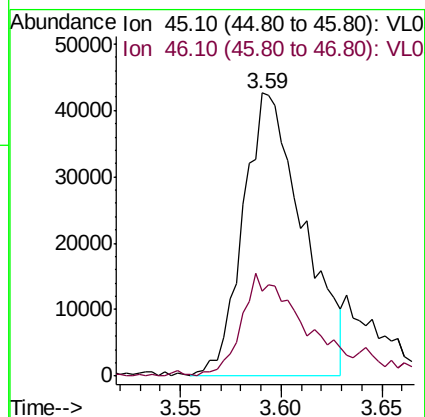
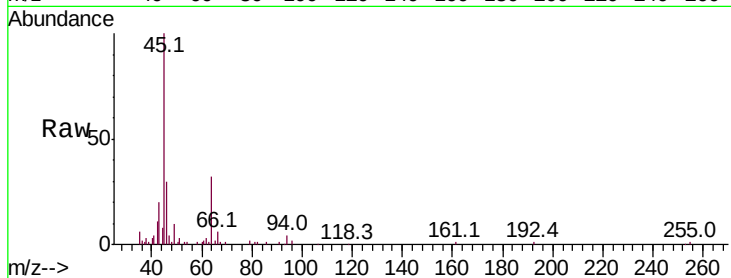
#13
Ethanol
Concen: 8.914 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	41.3	16.6	66.2

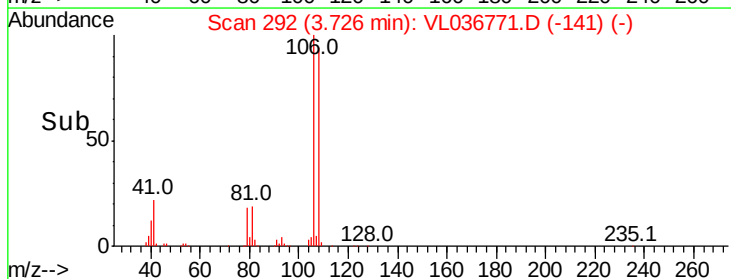
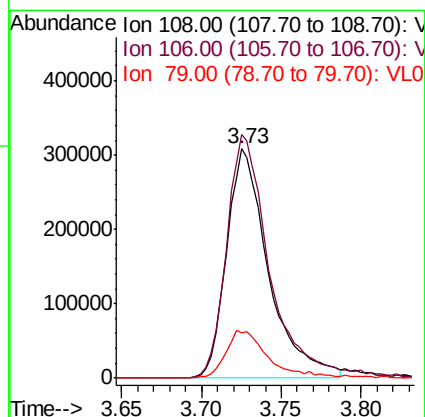
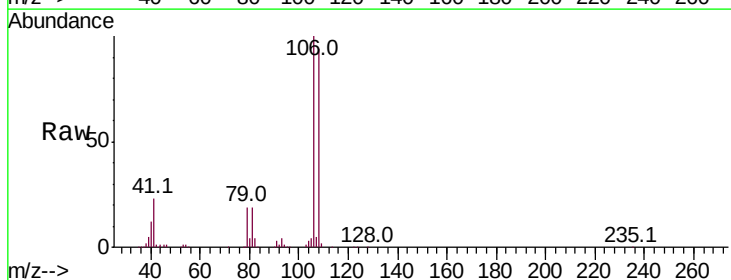
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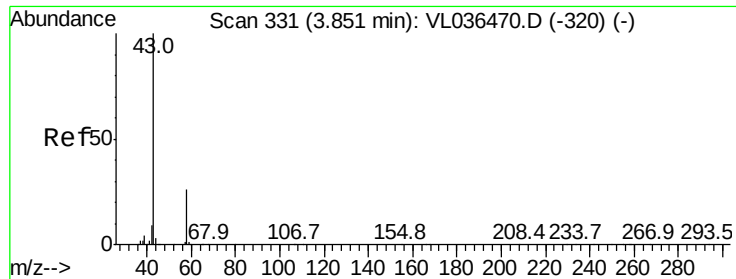
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#14
Bromoethene
Concen: 8.917 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.01 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion	Ratio	Lower	Upper
108	100		
106	111.0	89.0	133.6
79	22.4	16.6	25.0





#15

Acetone

Concen: 8.005 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

Tot Ion: 43 Resp: 1103506

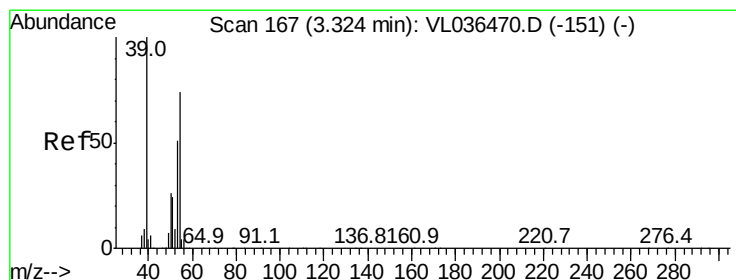
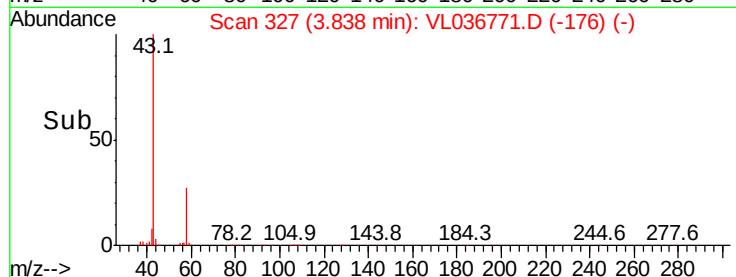
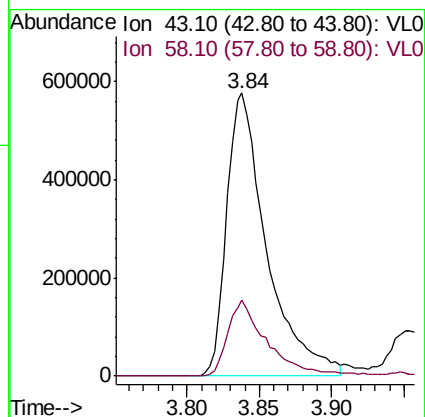
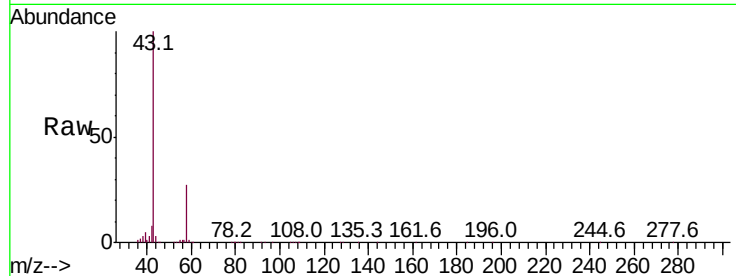
Ion Ratio Lower Upper

43 100

58 26.6 21.2 31.8

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#16

1,3-Butadiene

Concen: 8.502 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL036771.D

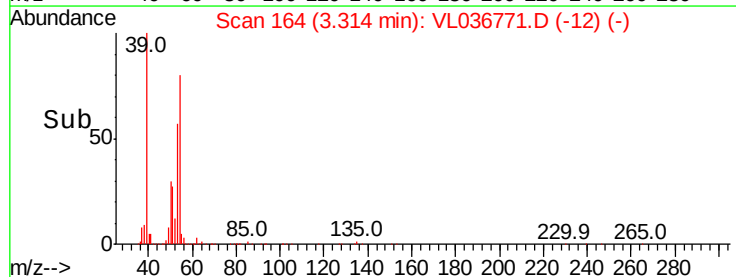
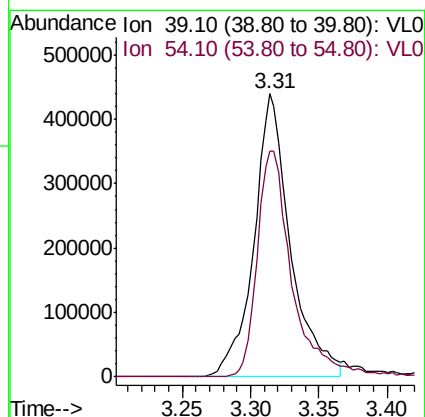
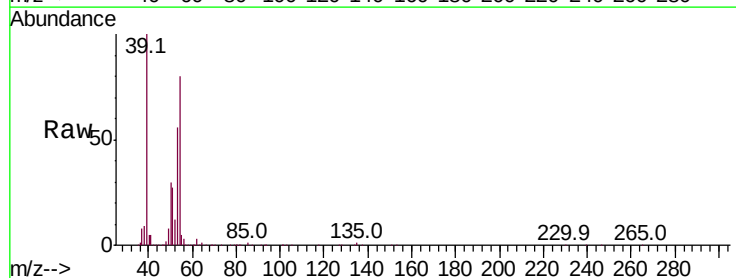
Acq: 9 Apr 2021 12:11

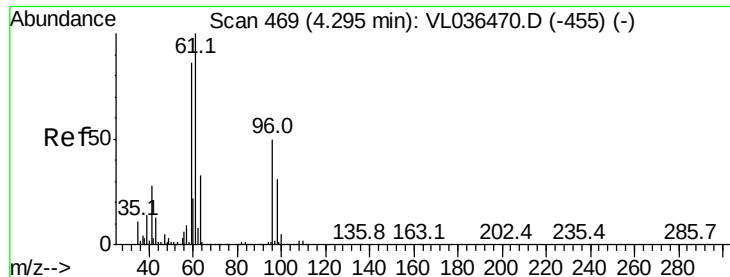
Tgt Ion: 39 Resp: 815942

Ion Ratio Lower Upper

39 100

54 77.3 58.8 88.2





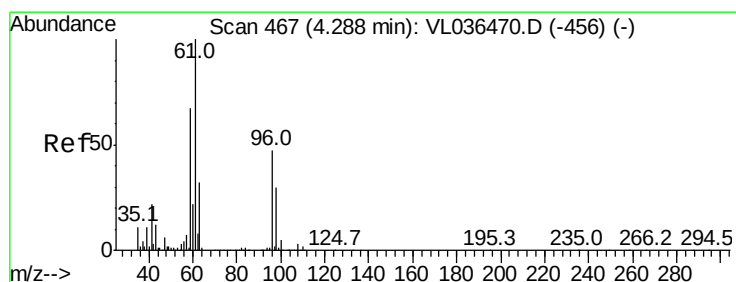
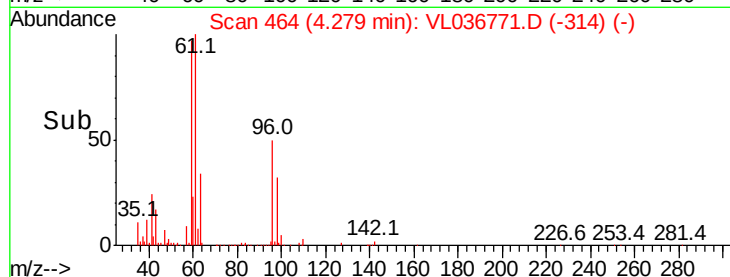
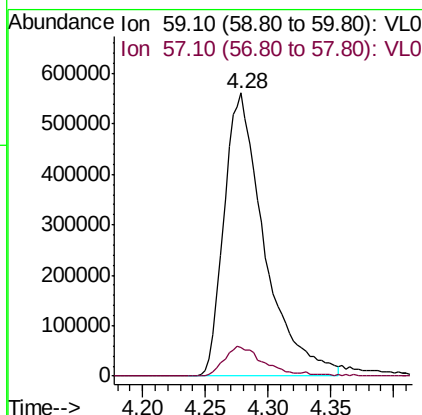
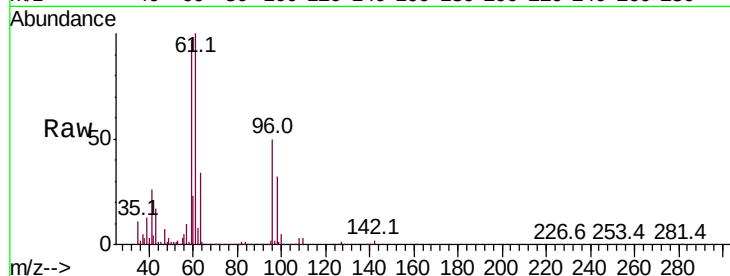
#17
tert-Butyl alcohol
Concen: 10.474 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion: 59 Resp: 1256971
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8

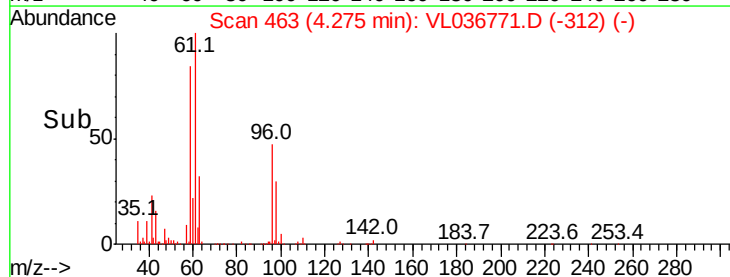
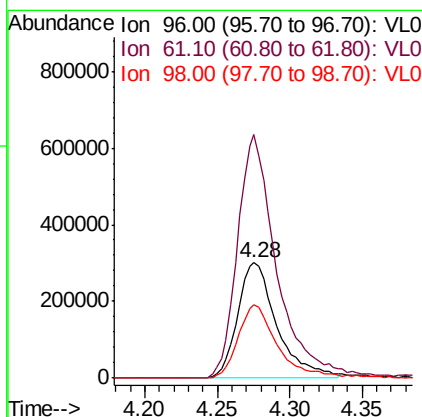
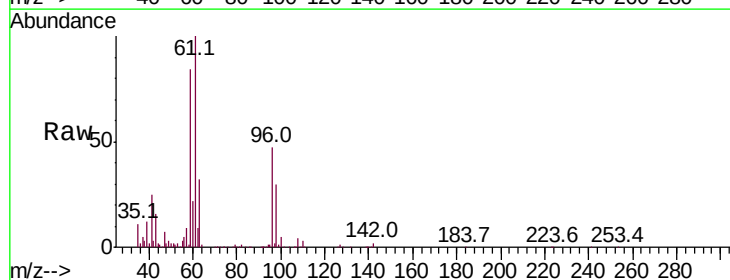
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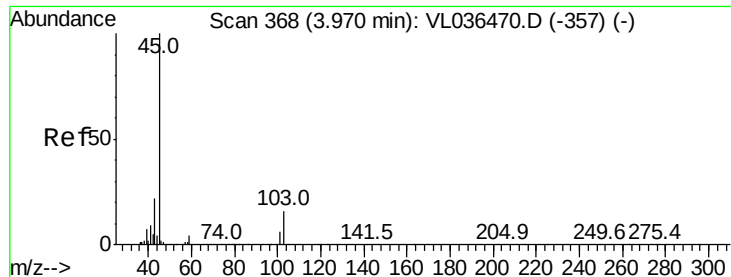
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#18
1,1-Dichloroethene
Concen: 8.566 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion: 96 Resp: 567161
Ion Ratio Lower Upper
96 100
61 211.4 168.6 253.0
98 64.0 50.8 76.2





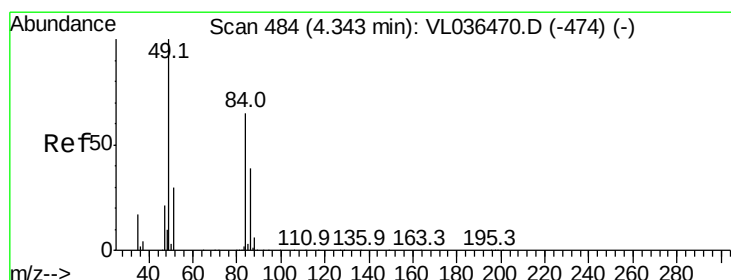
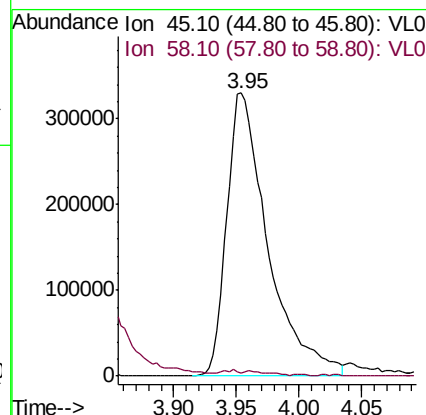
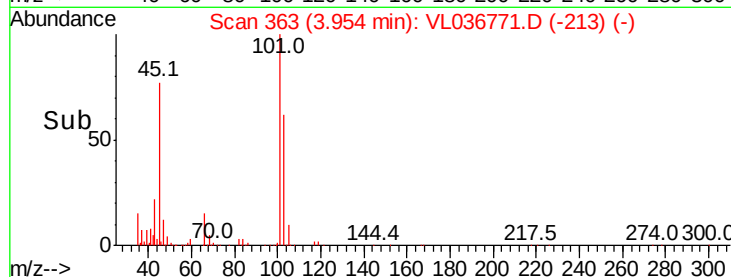
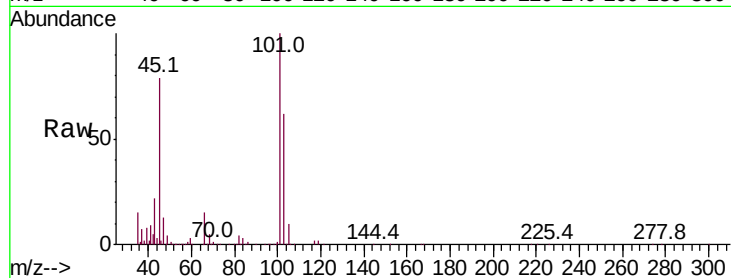
#19
Isopropyl Alcohol
Concen: 9.895 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion: 45 Resp: 750373
Ion Ratio Lower Upper
45 100
58 2.3 2.9 4.3#

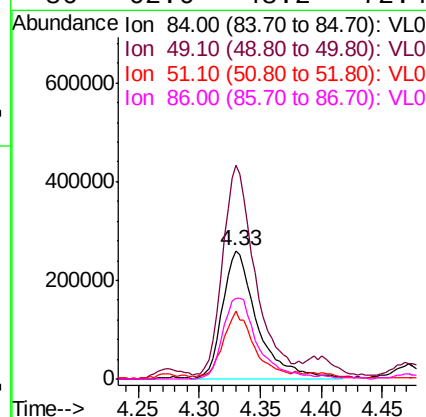
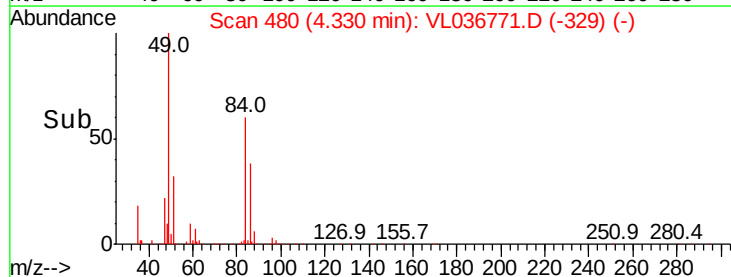
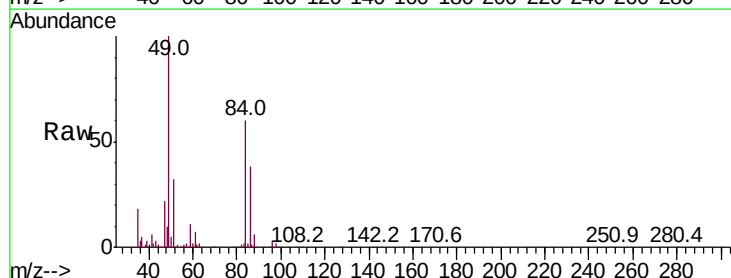
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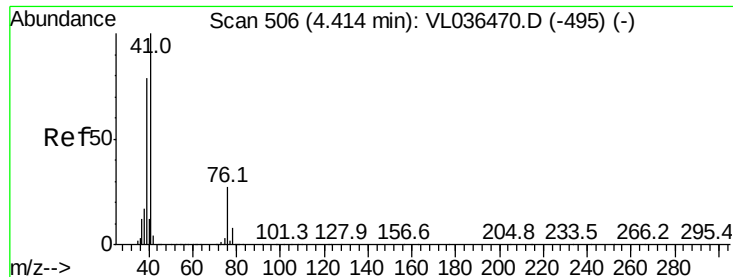
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#20
Methylene Chloride
Concen: 7.930 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.01 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion: 84 Resp: 511859
Ion Ratio Lower Upper
84 100
49 164.3 122.9 184.3
51 51.3 36.9 55.3
86 62.6 48.2 72.4





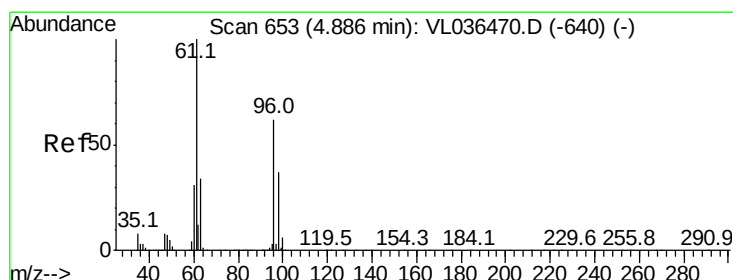
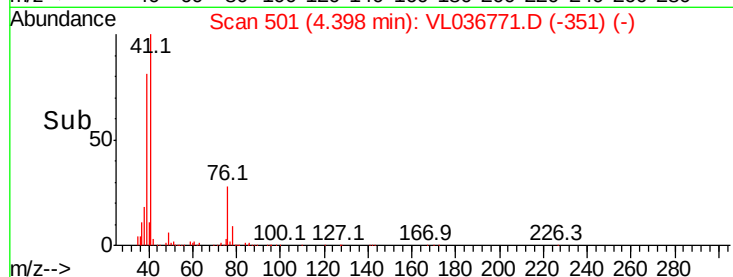
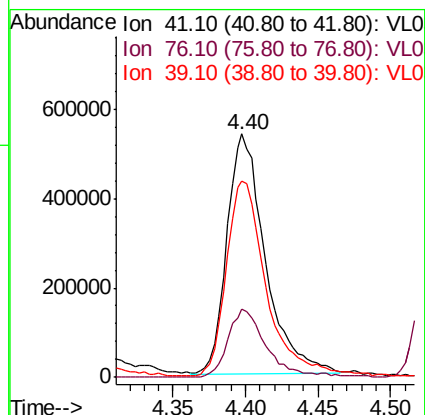
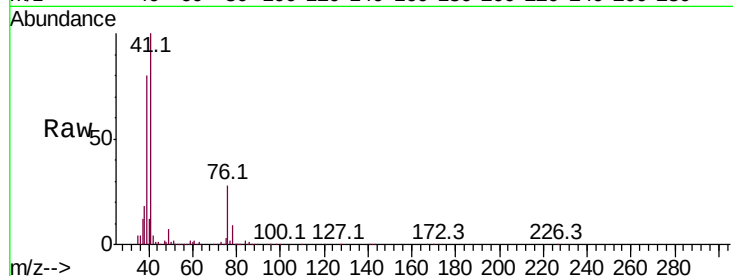
#21
Allvl Chloride
Concen: 8.950 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	983534		
76	28.8		22.9	34.3
39	85.0		67.3	100.9

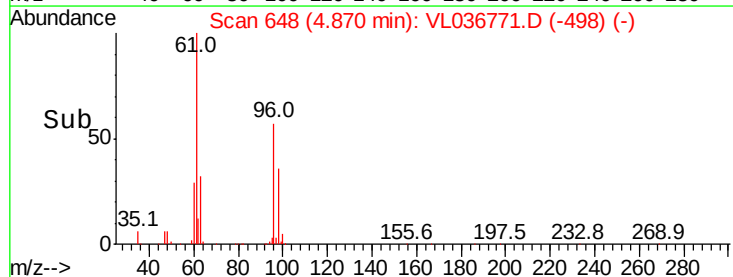
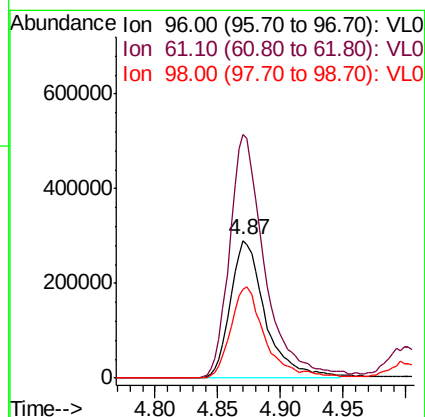
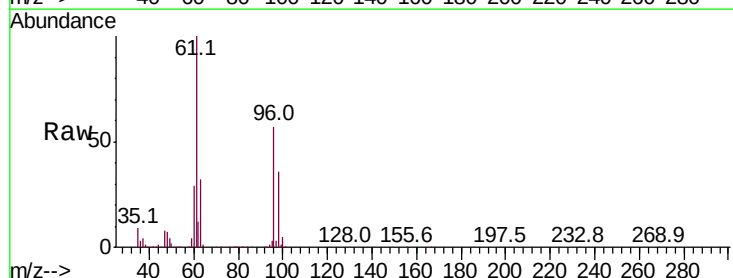
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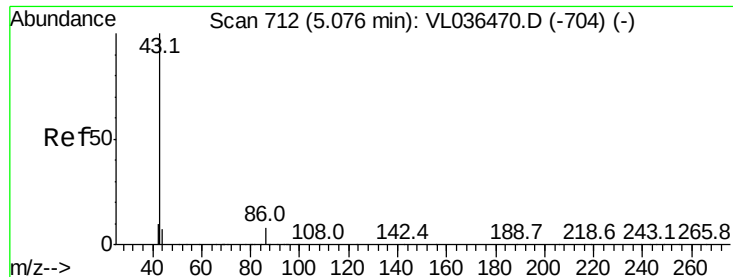
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#22
trans-1,2-Dichloroethene
Concen: 9.174 ppbv
RT: 4.87 min Scan# 648
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	563112		
61	176.9		129.4	194.0
98	64.3		48.2	72.4





#23

Vinyl Acetate

Concen: 9.824 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

Tot Ion: 43 Resp: 2316676

Ion Ratio Lower Upper

43 100

86 7.5 5.4 8.0

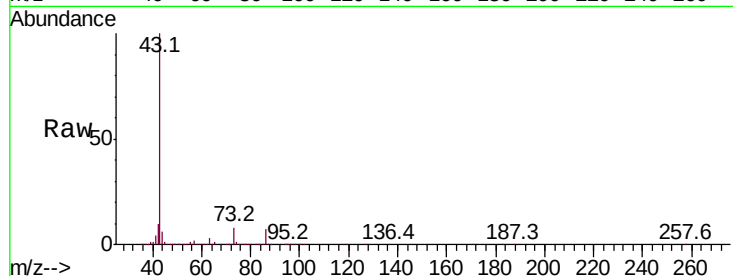
42 9.9 8.5 12.7

44 5.8 4.6 7.0

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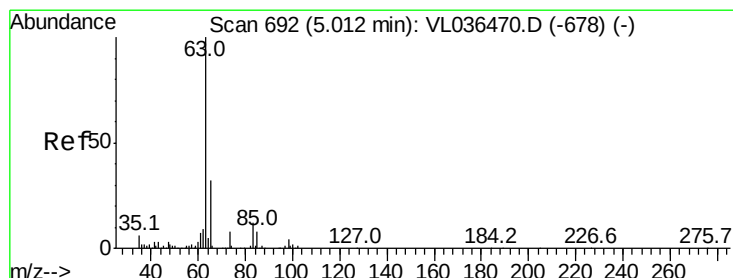
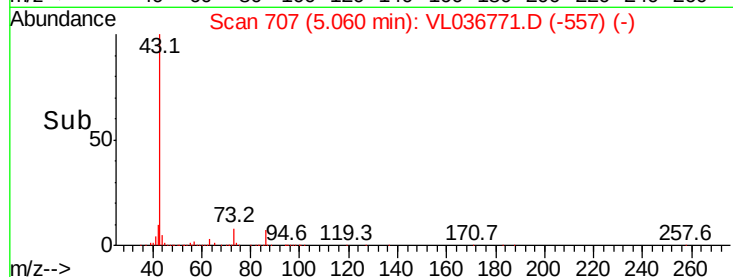
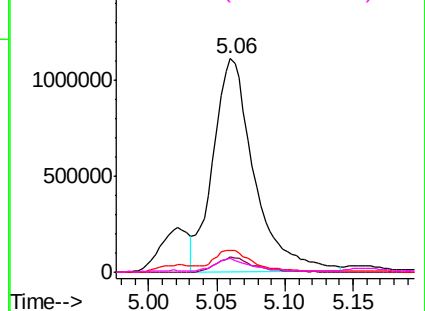


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.919 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.01 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

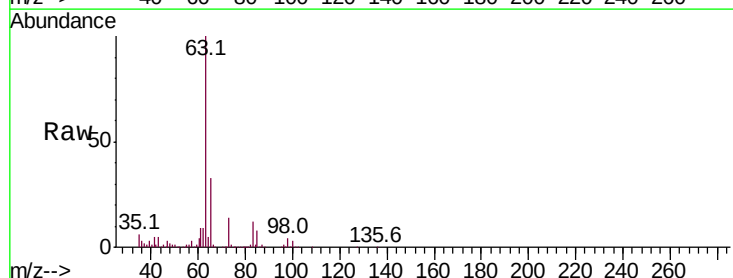
Tgt Ion: 63 Resp: 1533002

Ion Ratio Lower Upper

63 100

98 3.9 2.1 6.2

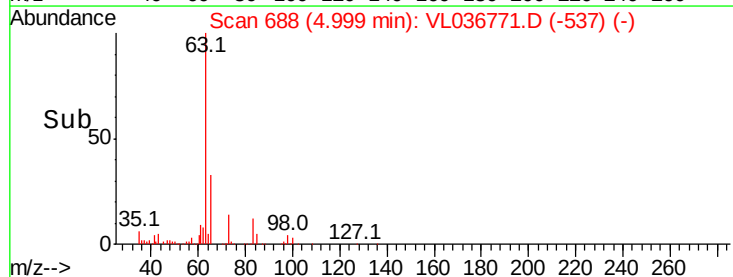
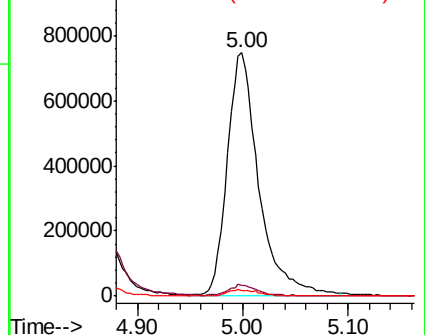
100 2.5 0.9 2.8

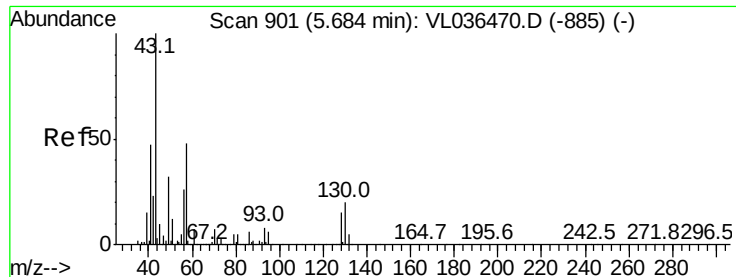


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





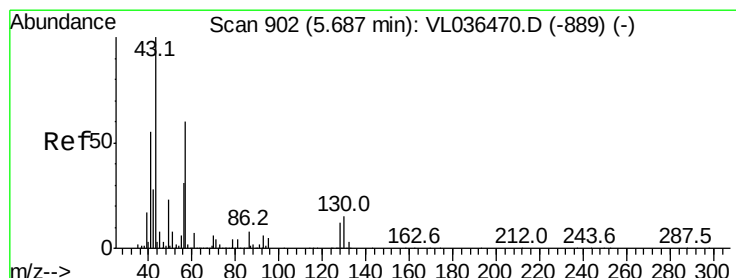
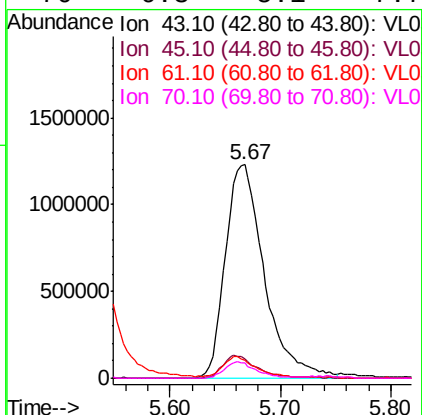
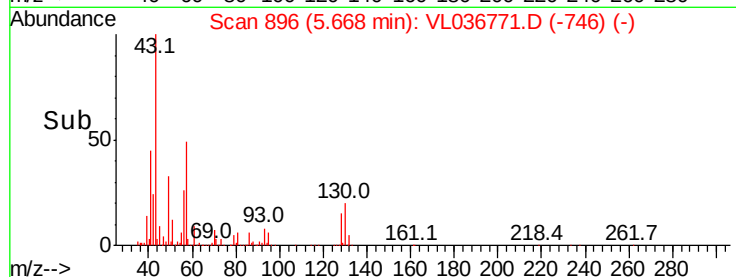
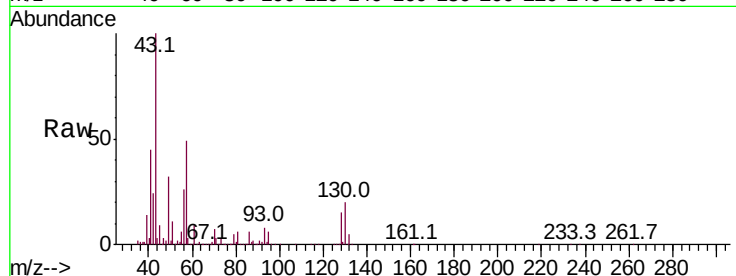
#25
Ethyl Acetate
Concen: 9.158 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion	43	Resp	3001532
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.9	11.9
61	9.2	7.4	11.2
70	6.3	5.1	7.7

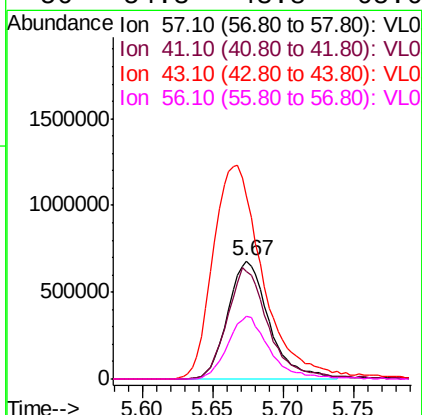
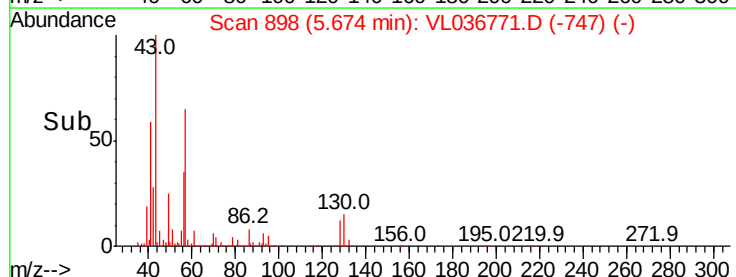
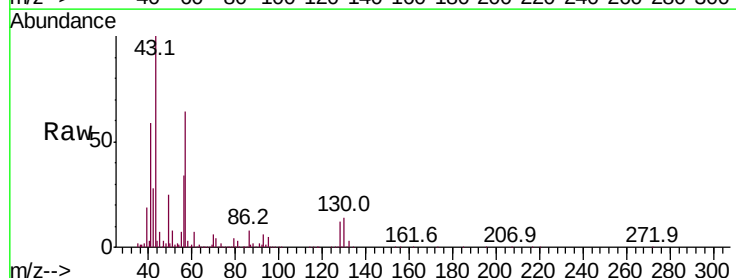
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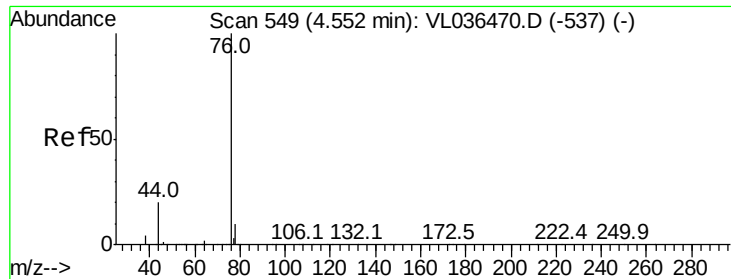
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#26
Hexane
Concen: 9.130 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion	57	Resp	1388575
Ion	Ratio	Lower	Upper
57	100		
41	95.3	77.2	115.8
43	219.9	173.8	260.6
56	54.3	43.8	65.6





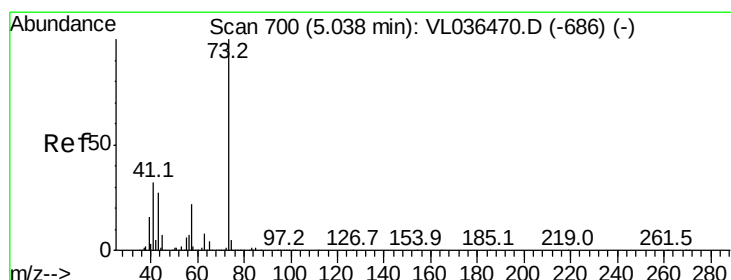
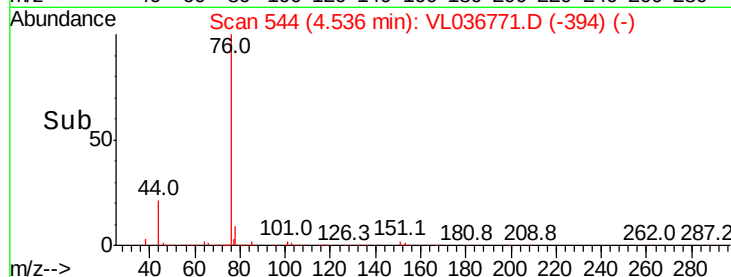
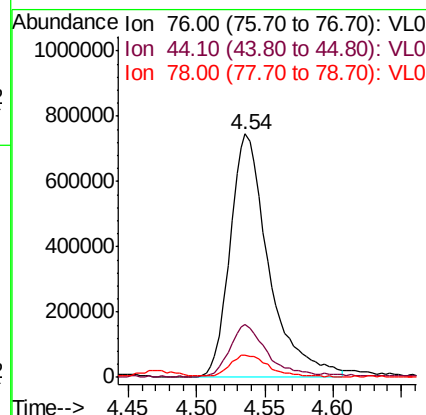
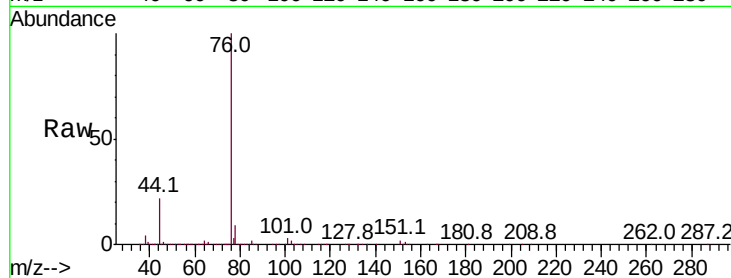
#27
Carbon Disulfide
Concen: 9.724 ppbv
RT: 4.54 min Scan# 544
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	22.0	17.5	26.3
78	10.0	8.6	13.0

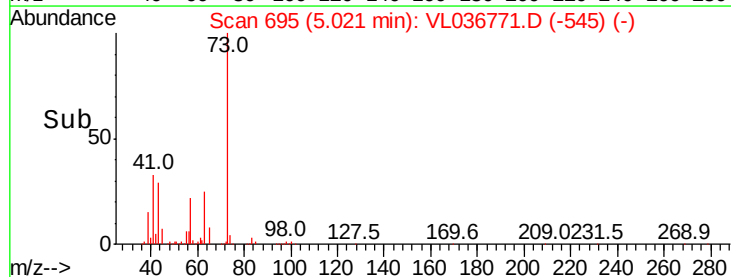
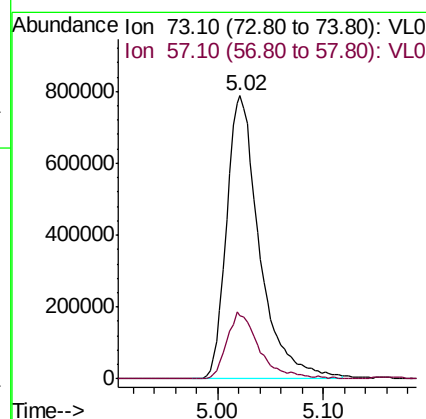
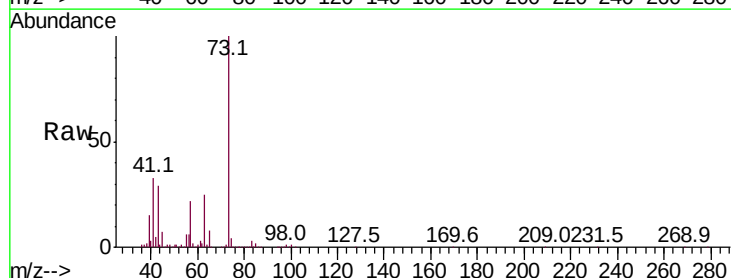
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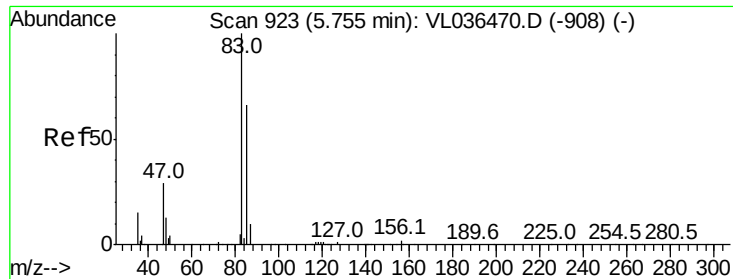
MMDadoda
4/12/2021 5:42:38 PM



#28
Methyl tert-Butyl Ether
Concen: 9.509 ppbv
RT: 5.02 min Scan# 695
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.5	27.7





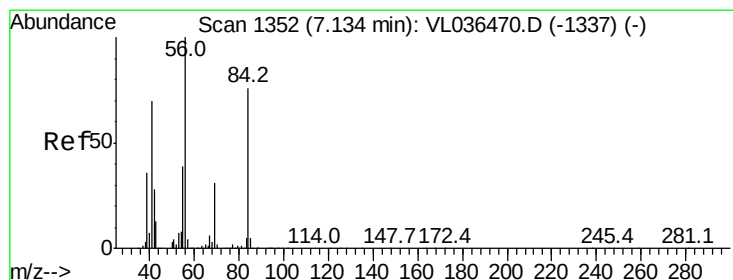
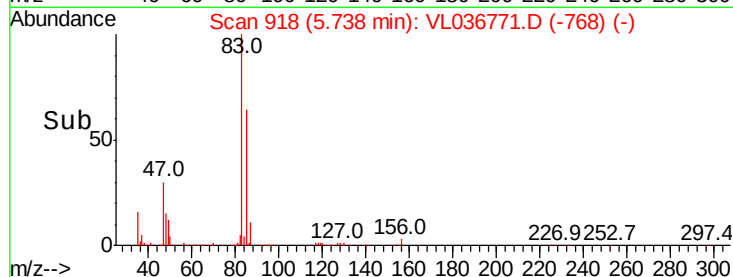
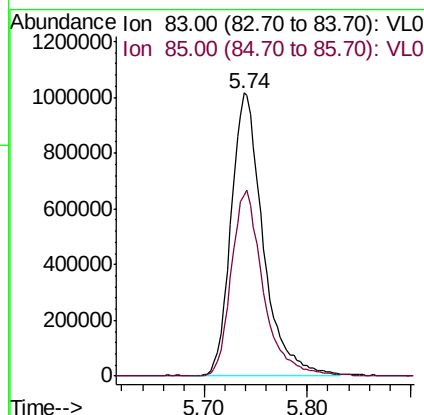
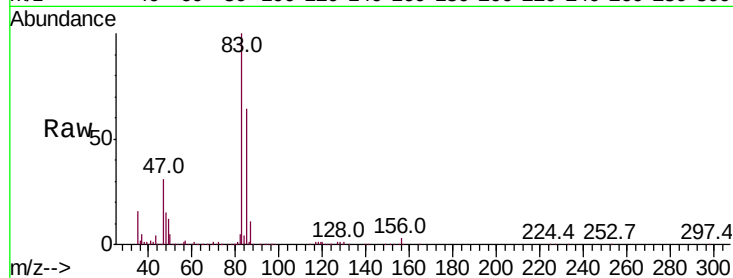
#29
Chloroform
Concen: 9.056 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion: 83 Resp: 2202866
Ion Ratio Lower Upper
83 100
85 63.9 52.6 78.8

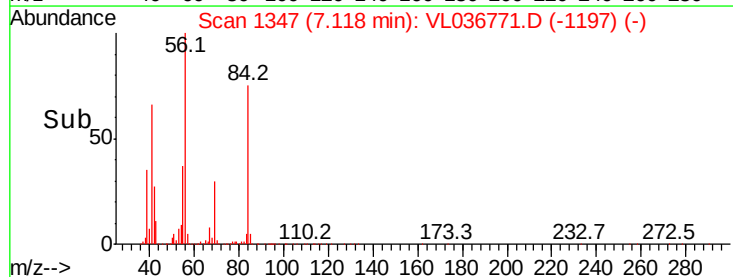
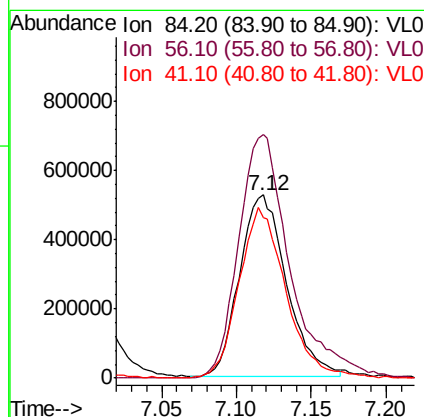
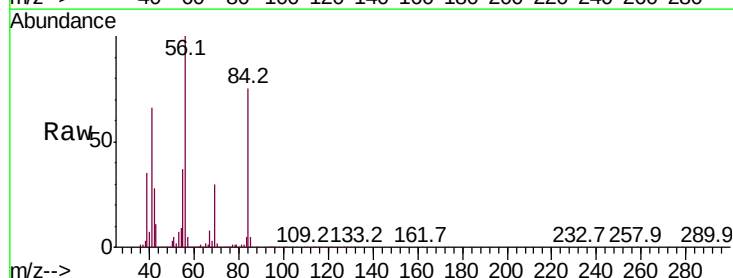
Manual Integrations
APPROVED

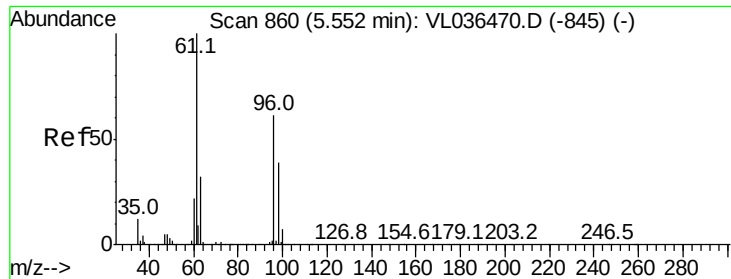
MMDadoda
4/12/2021 5:42:38 PM



#30
Cyclohexane
Concen: 9.369 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion: 84 Resp: 1155627
Ion Ratio Lower Upper
84 100
56 147.0 114.6 171.8
41 93.3 75.3 112.9





#31

cis-1,2-Dichloroethene

Concen: 9.332 ppbv

RT: 5.54 min Scan# 855

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

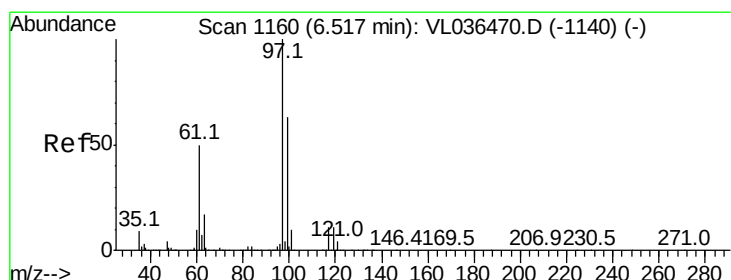
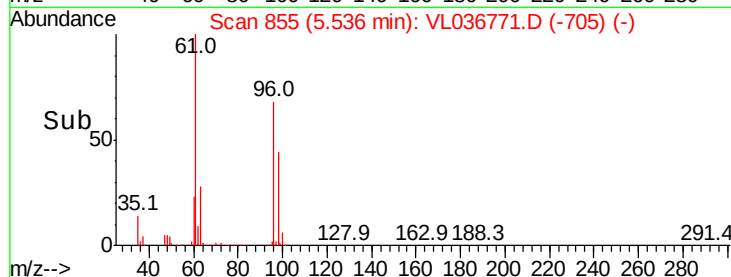
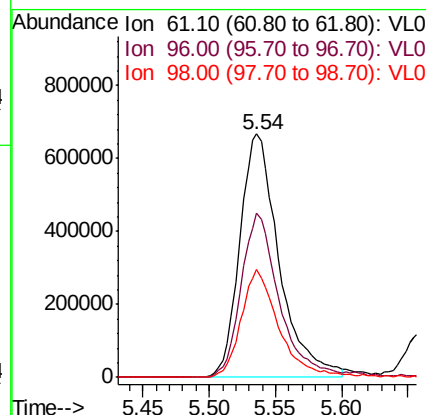
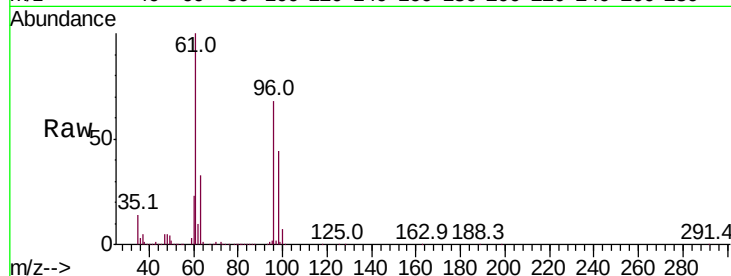
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion: 61 Resp: 1372870

Ion	Ratio	Lower	Upper
61	100		
96	67.7	48.7	73.1
98	44.1	31.4	47.0

Manual Integrations
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4/12/2021 5:42:38 PM



#32

1,1,1-Trichloroethane

Concen: 9.200 ppbv

RT: 6.50 min Scan# 1154

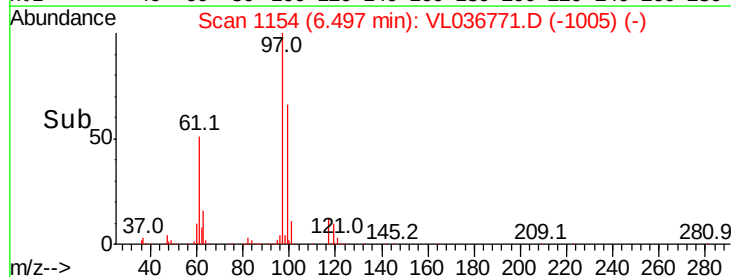
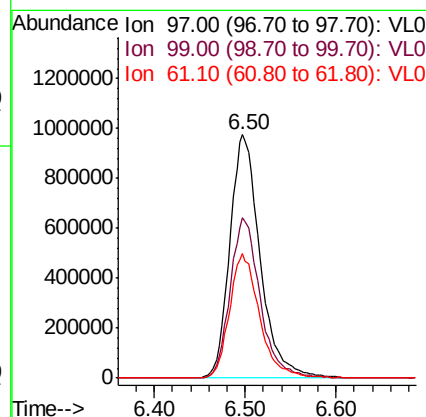
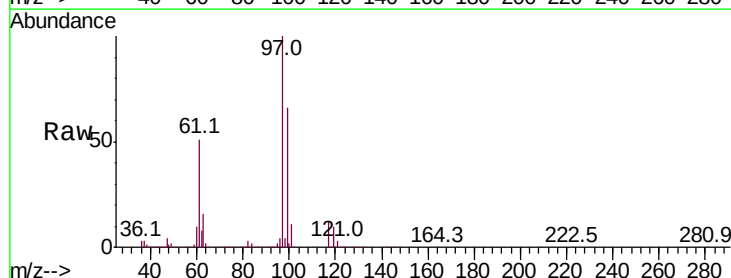
Delta R.T. -0.02 min

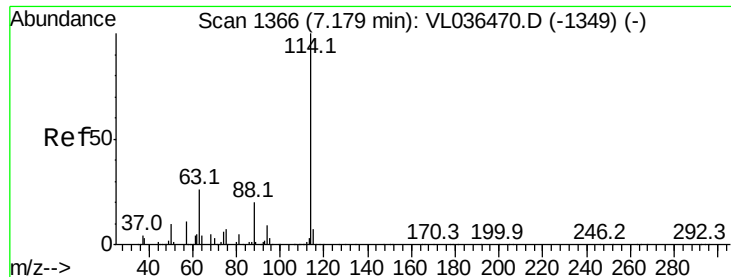
Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Tgt Ion: 97 Resp: 2255289

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.0
61	50.6	40.6	60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

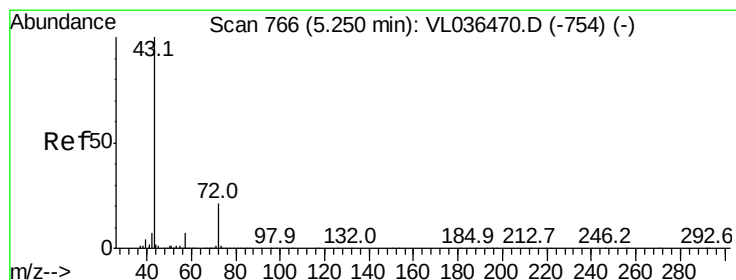
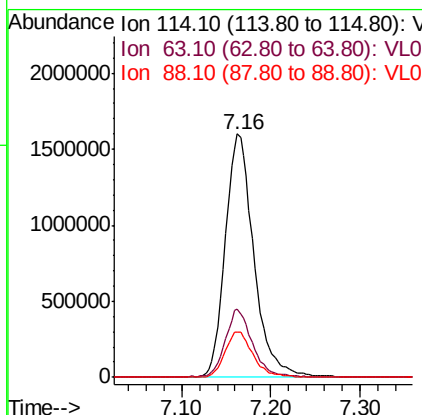
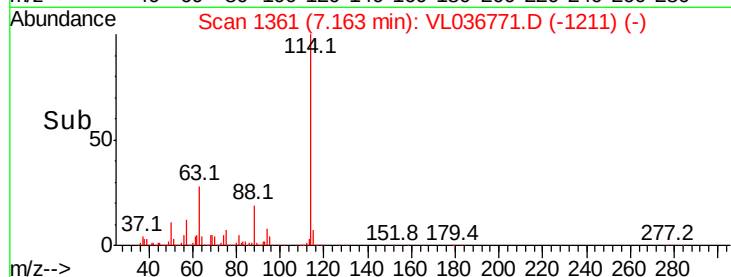
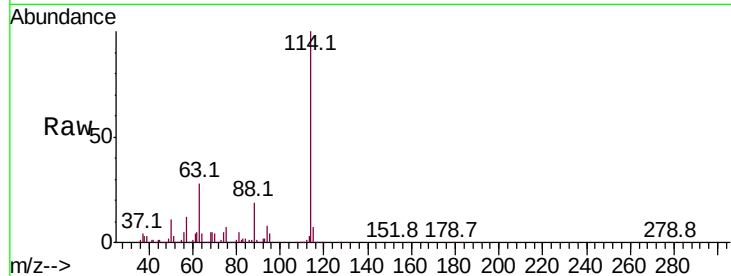
Instrument :
MSVOA_L

ClientSampleId :
VL0409ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.1	22.4	33.6
88	18.5	15.4	23.0

Manual Integrations
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#34

2-Butanone

Concen: 8.709 ppbv

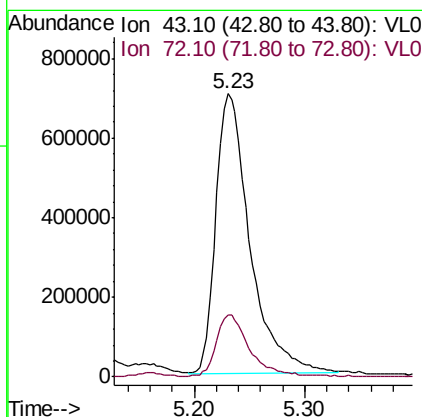
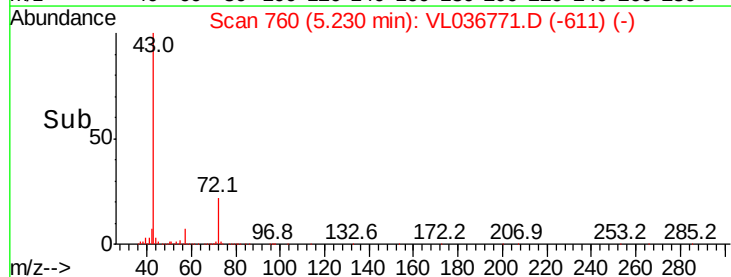
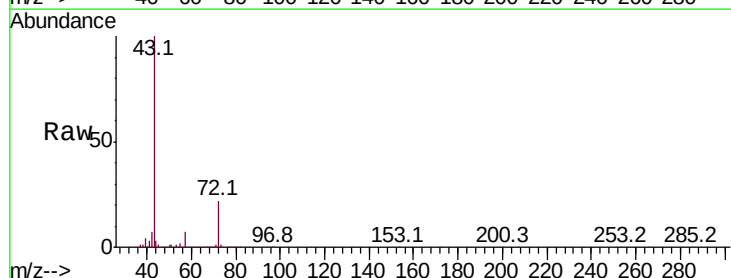
RT: 5.23 min Scan# 760

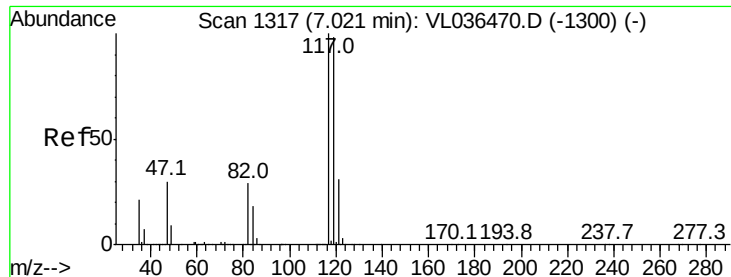
Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.0	25.6





#35

Carbon Tetrachloride

Concen: 8.651 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

Tot Ion: 117 Resp: 2356729

Ion Ratio Lower Upper

117 100

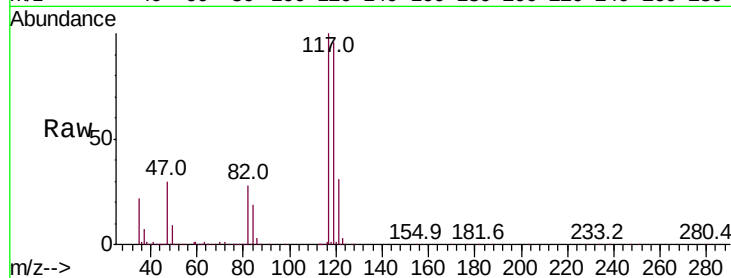
119 96.1 78.2 117.2

121 30.6 24.5 36.7

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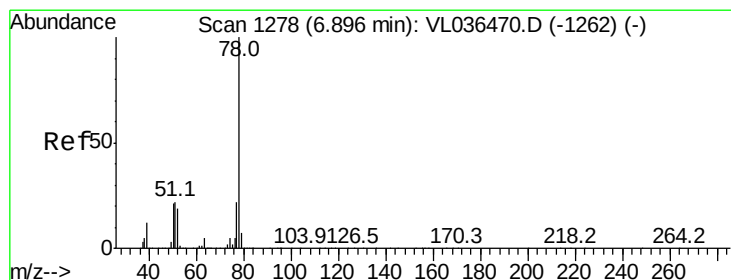
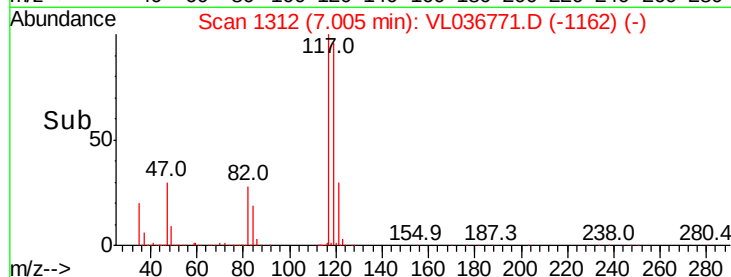
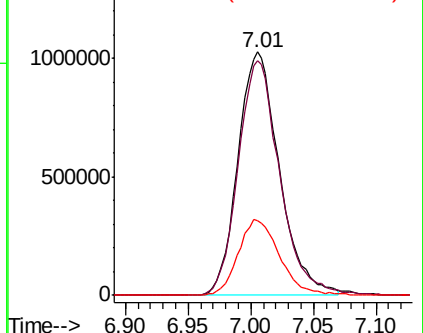
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.933 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

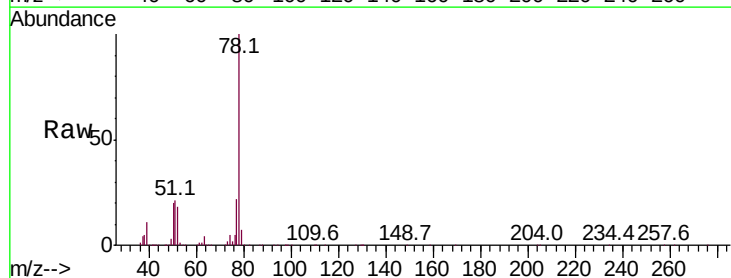
Tgt Ion: 78 Resp: 2922189

Ion Ratio Lower Upper

78 100

77 22.0 18.0 27.0

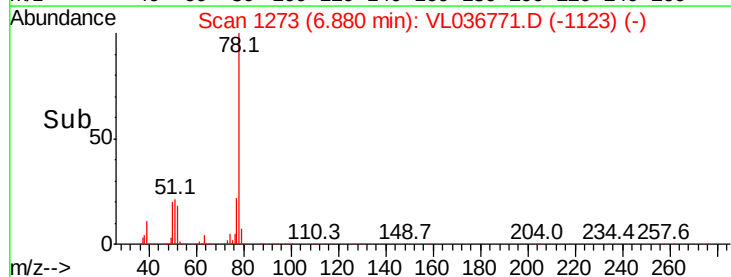
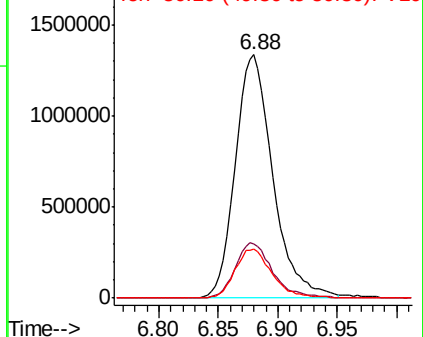
50 20.2 16.5 24.7

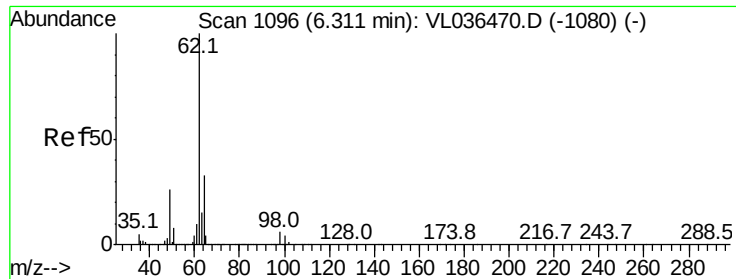


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





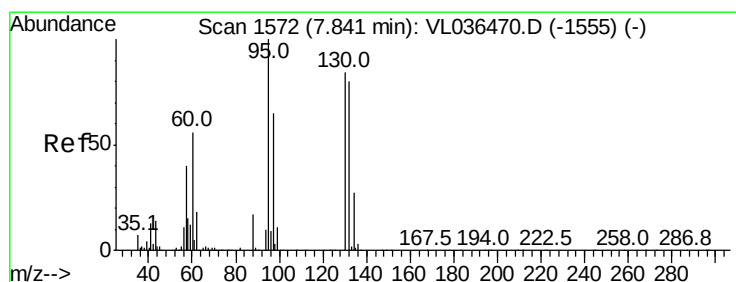
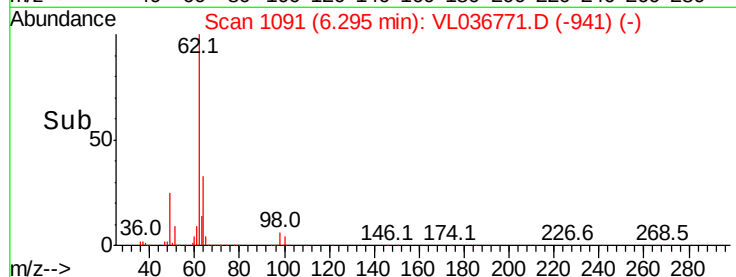
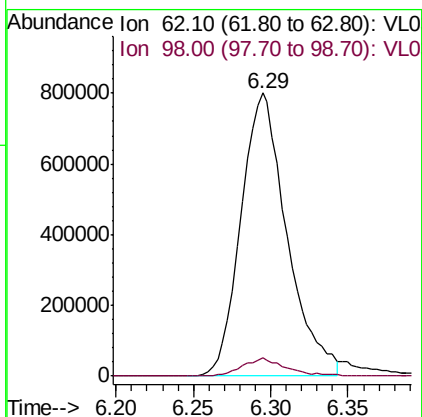
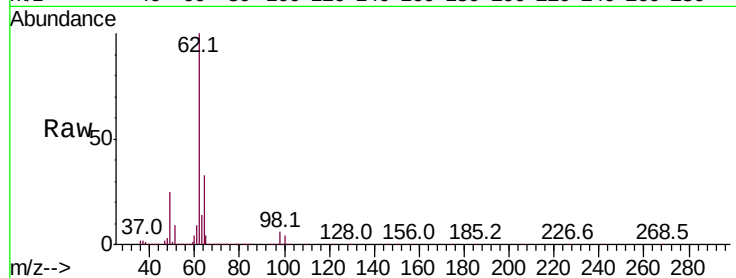
#37
 1,2-Dichloroethane
 Concen: 8.609 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

Tot Ion: 62 Resp: 1657387
 Ion Ratio Lower Upper
 62 100
 98 6.3 4.9 7.3

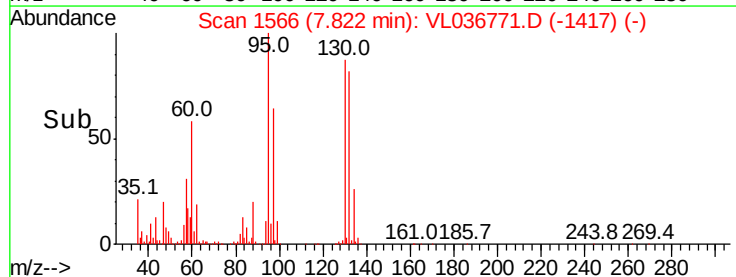
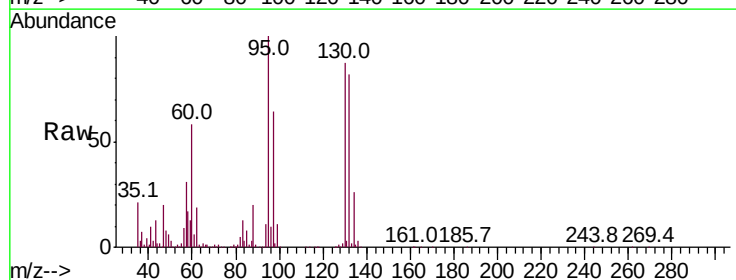
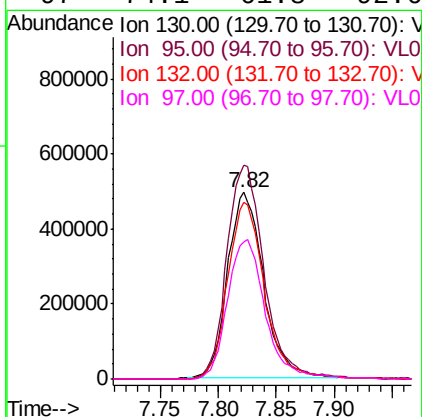
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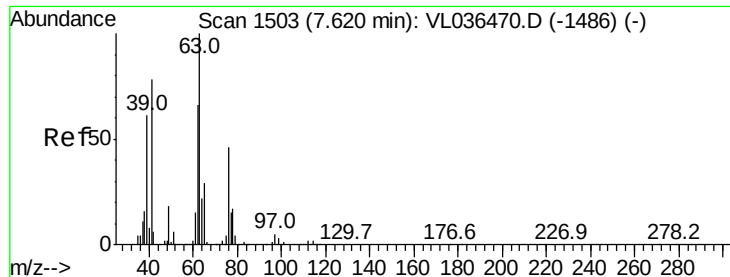
MMDadoda
 4/12/2021 5:42:38 PM



#38
 Trichloroethene
 Concen: 8.373 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Tgt Ion:130 Resp: 1065909
 Ion Ratio Lower Upper
 130 100
 95 115.1 95.7 143.5
 132 94.9 76.2 114.4
 97 74.1 61.8 92.6





#39

1,2-Dichloropropane

Concen: 8.657 ppbv

RT: 7.60 min Scan# 1497

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

Tot Ion: 63 Resp: 1148712

Ion Ratio Lower Upper

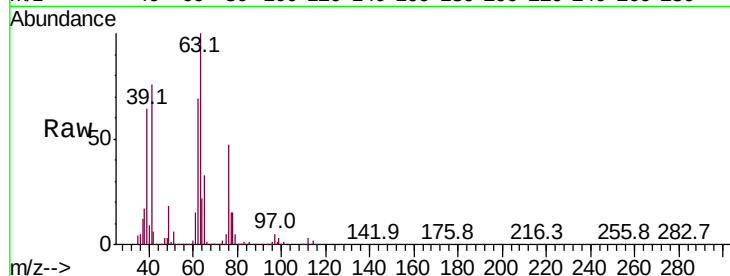
63 100

41 75.8 62.4 93.6

62 69.1 52.8 79.2

Manual Integrations
APPROVED

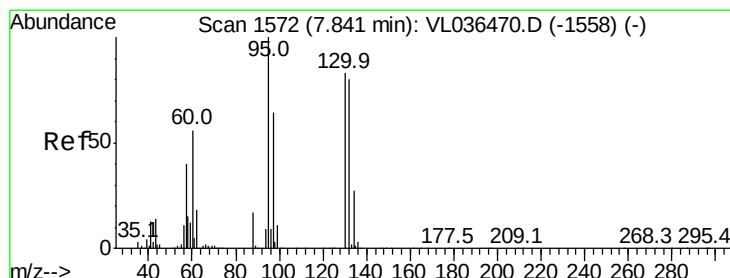
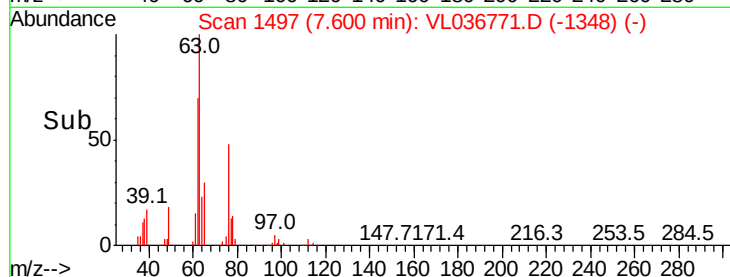
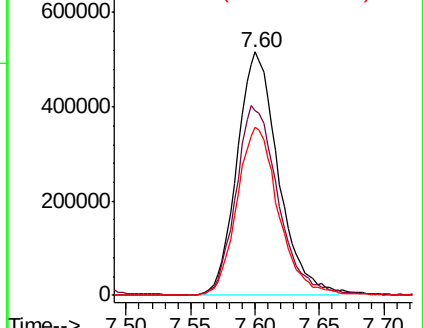
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.318 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. -0.03 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Tgt Ion: 88 Resp: 287774

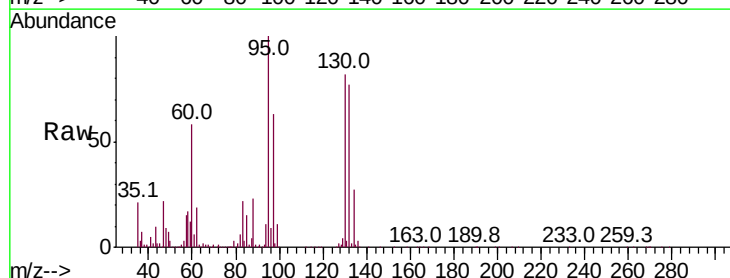
Ion Ratio Lower Upper

88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#

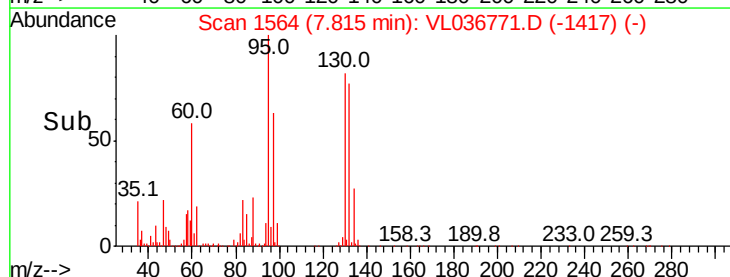
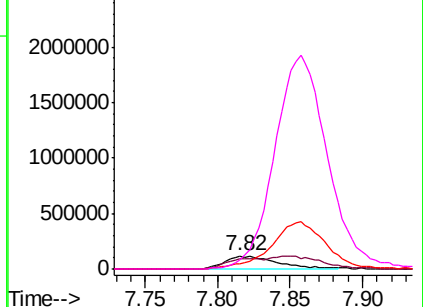


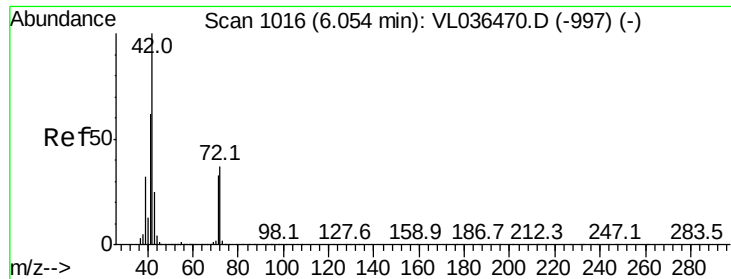
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





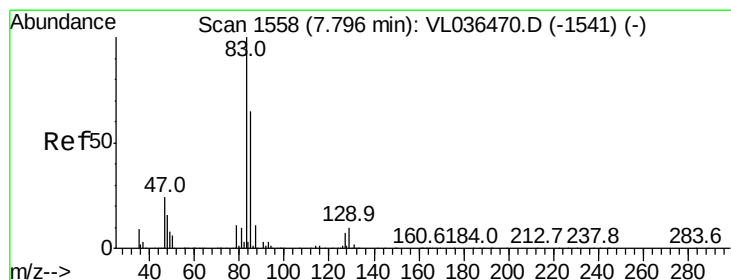
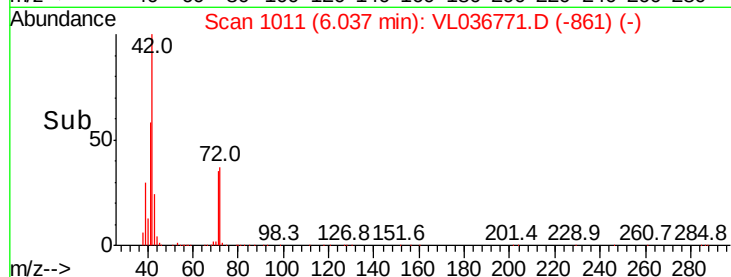
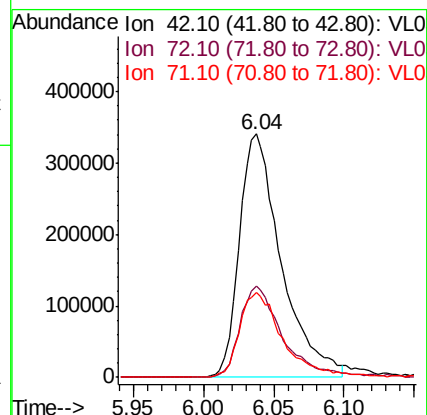
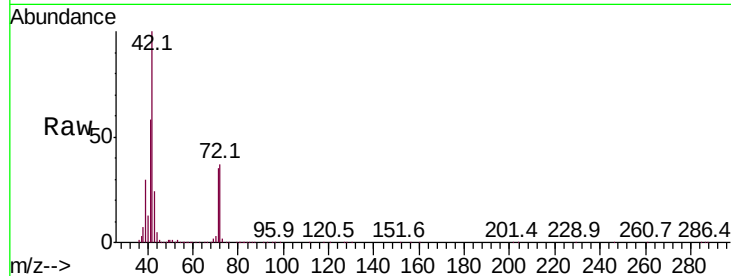
#41
Tetrahydrofuran
Concen: 8.855 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	27.6	41.4
71	36.9	27.0	40.4

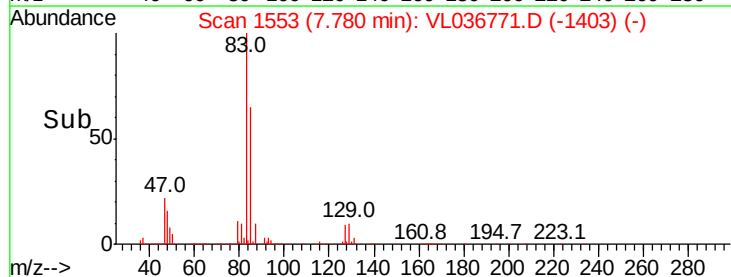
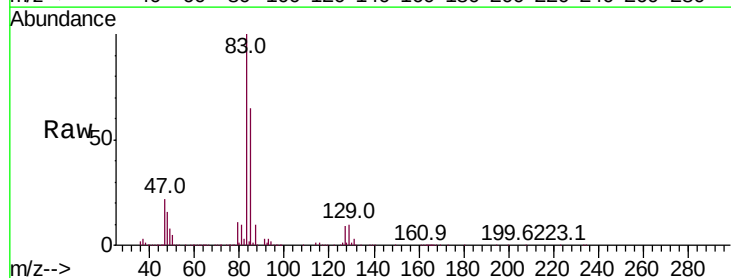
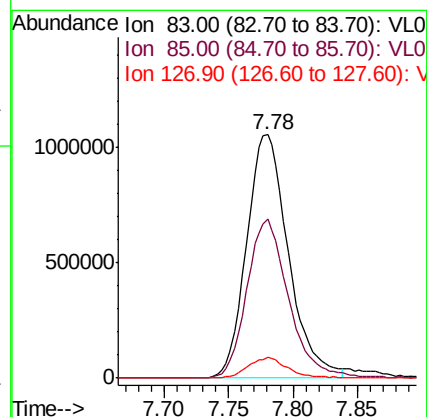
Manual Integrations
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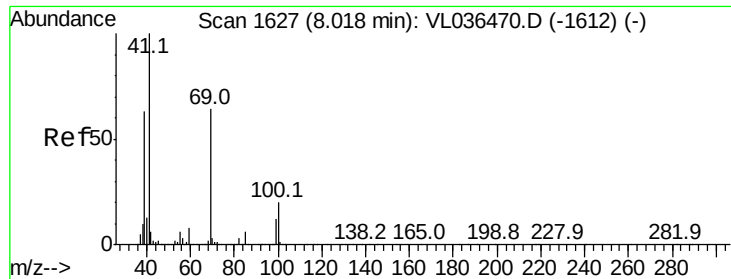
MMDadoda
4/12/2021 5:42:38 PM



#42
Bromodichloromethane
Concen: 9.136 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.6
127	8.5	5.8	8.8





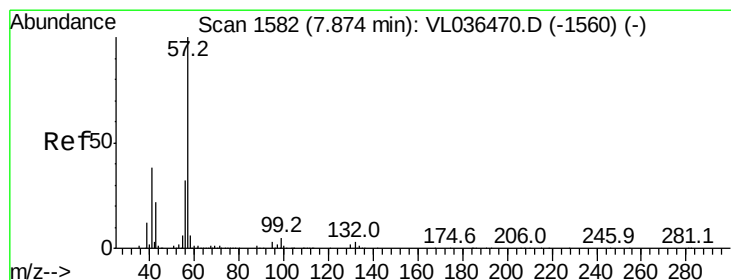
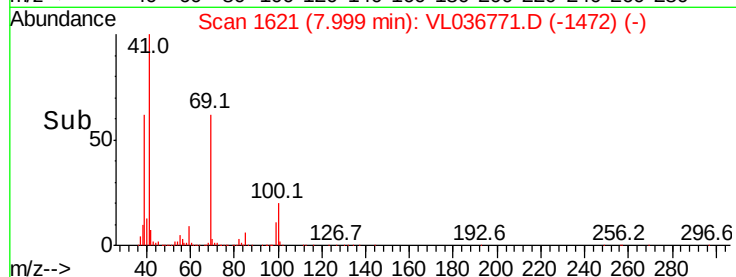
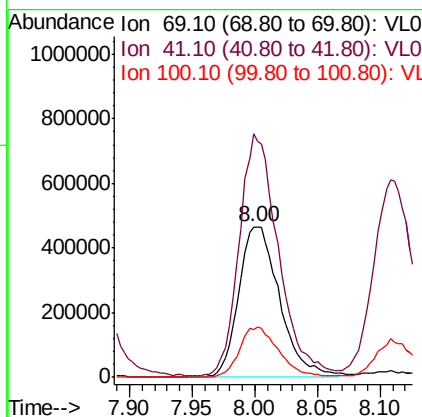
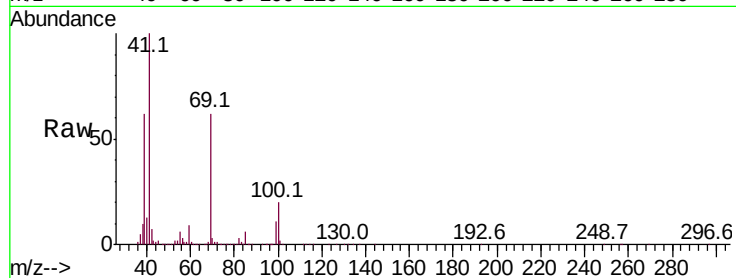
#43
Methyl Methacrylate
Concen: 9.644 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	155.8	126.8	190.2
100	32.2	24.9	37.3

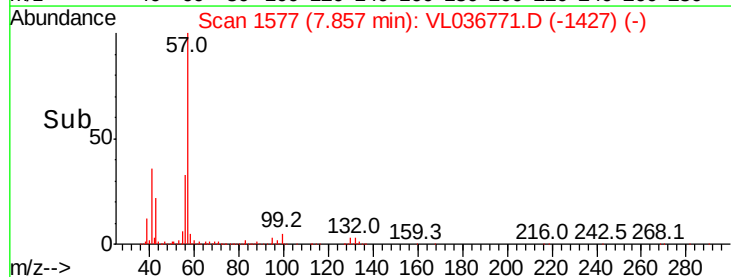
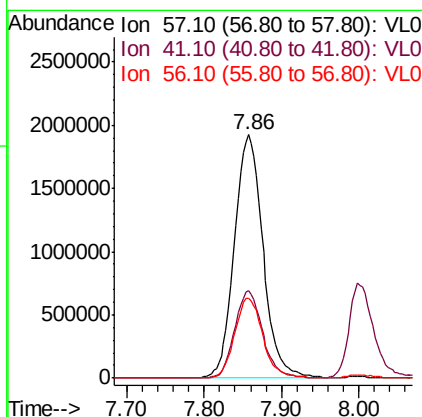
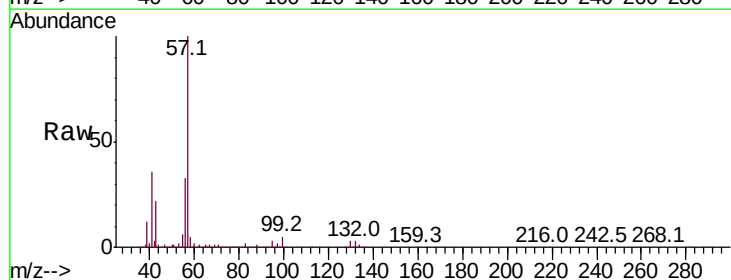
Manual Integrations
APPROVED

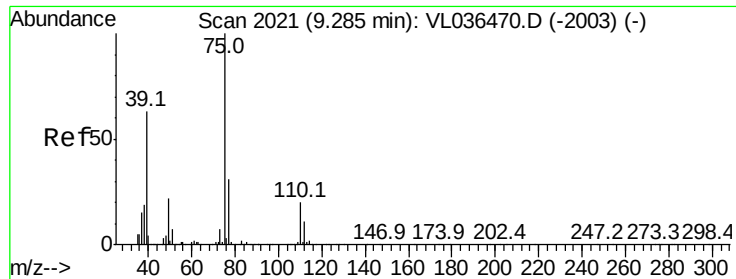
MMDadoda
4/12/2021 5:42:38 PM



#44
2,2,4-Trimethylpentane
Concen: 8.566 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.0	28.8	43.2
56	32.3	26.1	39.1





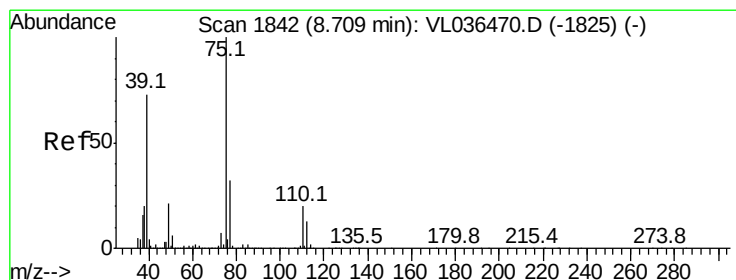
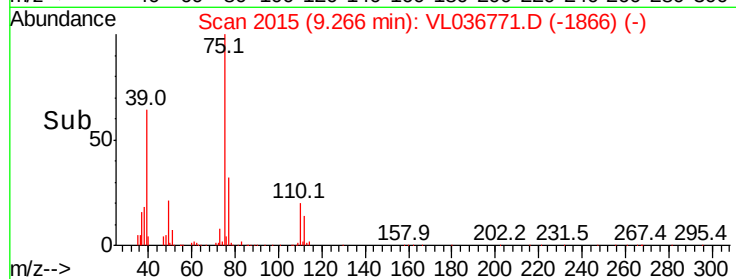
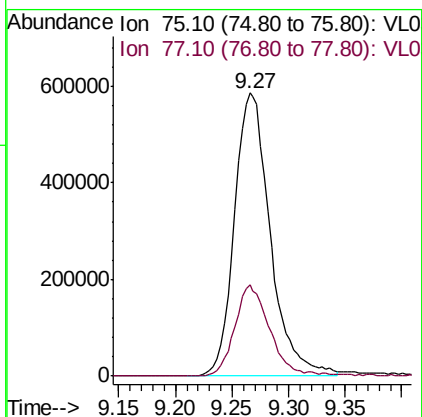
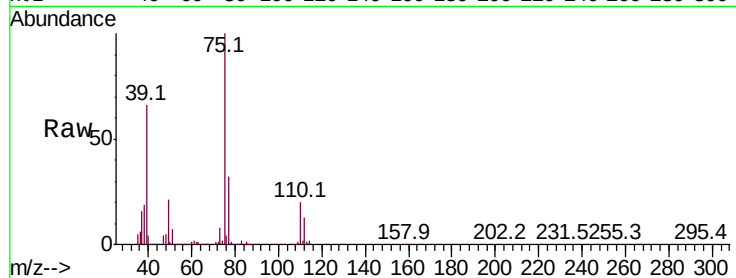
#45
t-1,3-Dichloropropene
Concen: 10.296 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion: 75 Resp: 1291368
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7

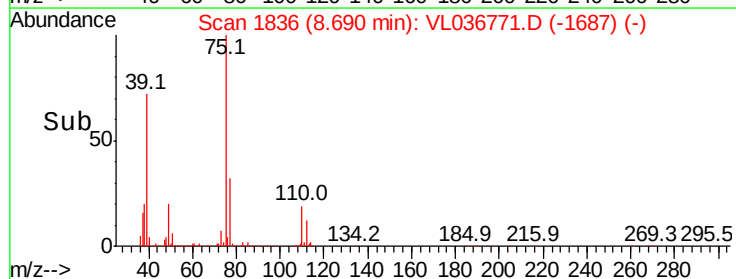
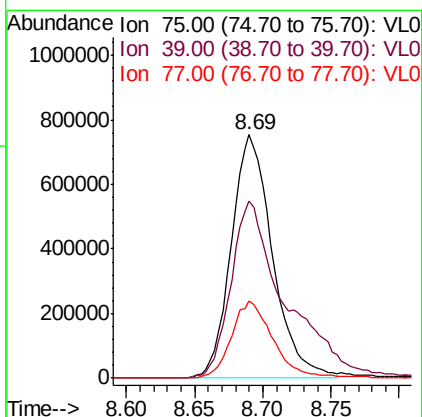
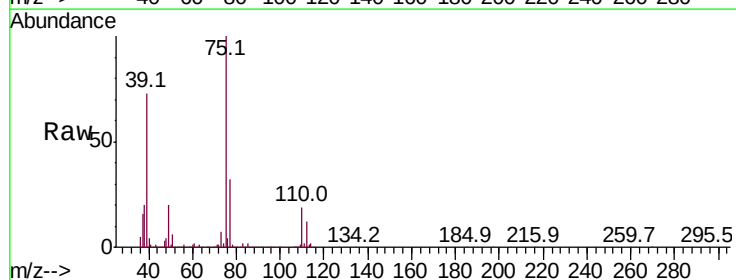
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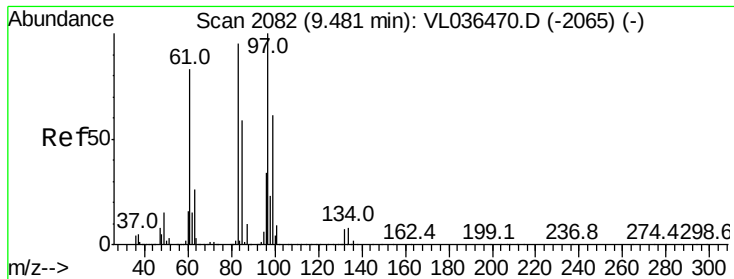
MMDadoda
4/12/2021 5:42:38 PM



#46
cis-1,3-Dichloropropene
Concen: 9.836 ppbv
RT: 8.69 min Scan# 1836
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion: 75 Resp: 1576997
Ion Ratio Lower Upper
75 100
39 72.5 58.2 87.2
77 31.7 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 8.893 ppbv

RT: 9.46 min Scan# 2076

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

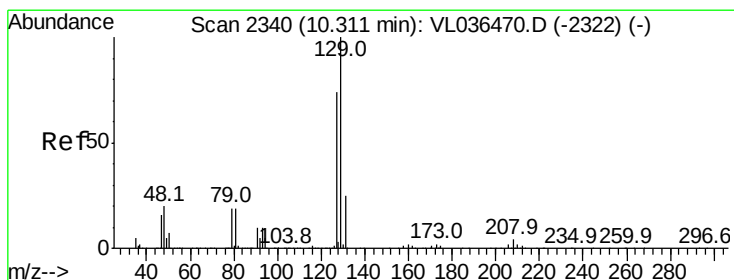
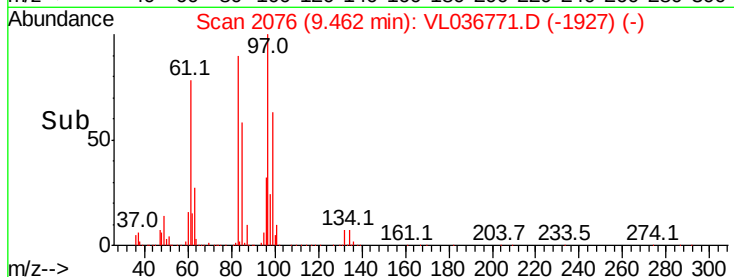
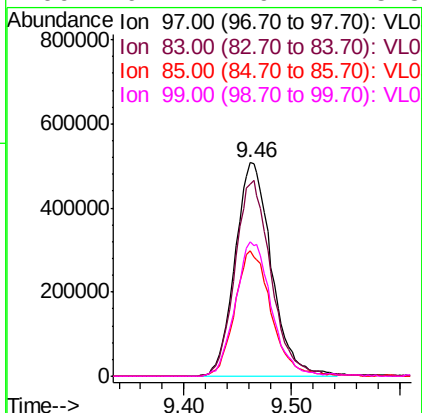
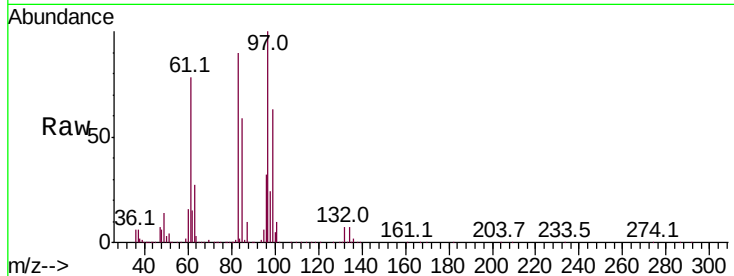
Instrument :
MSVOA_L

ClientSampleId :
VL0409ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	89.7	75.8	113.8	
85	58.4	47.1	70.7	
99	62.7	49.2	73.8	

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4/12/2021 5:42:38 PM



#48

Dibromochloromethane

Concen: 9.721 ppbv

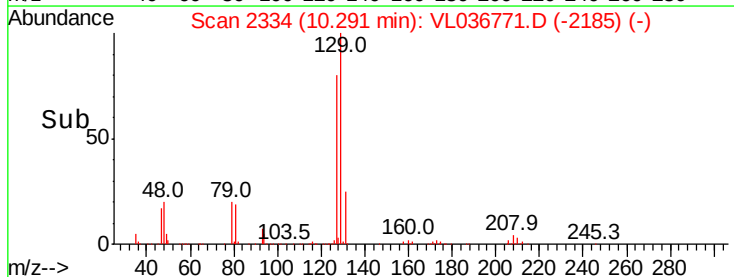
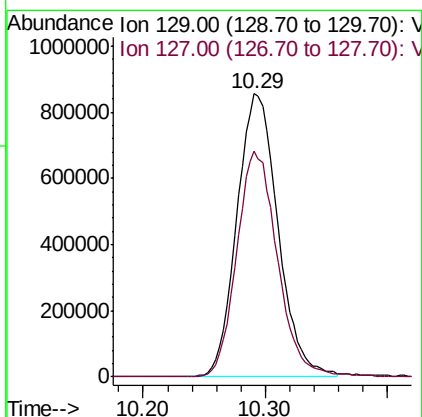
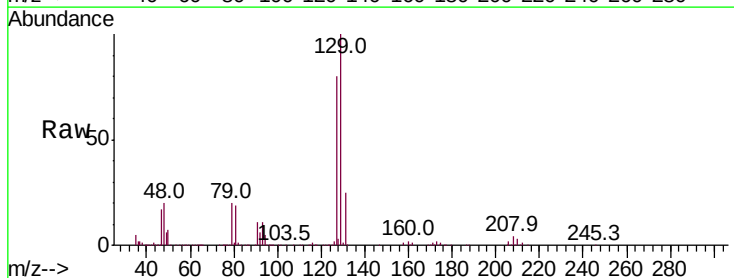
RT: 10.29 min Scan# 2334

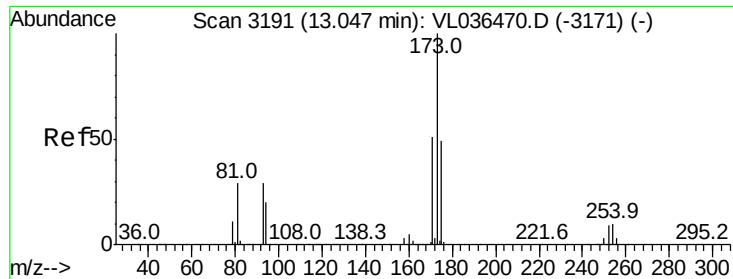
Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.2	39.6	118.8	





#49

Bromoform

Concen: 9.900 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

Tot Ion:173 Resp: 1634266

Ion Ratio Lower Upper

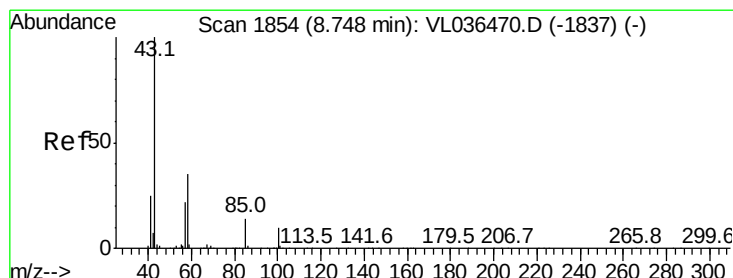
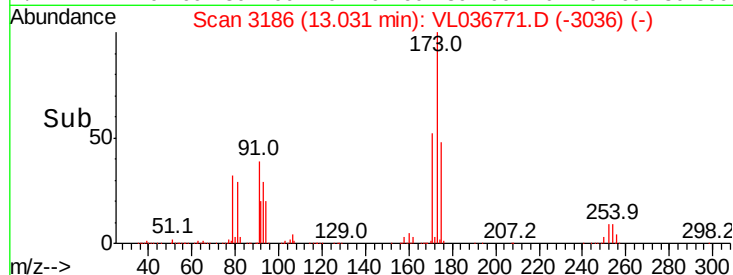
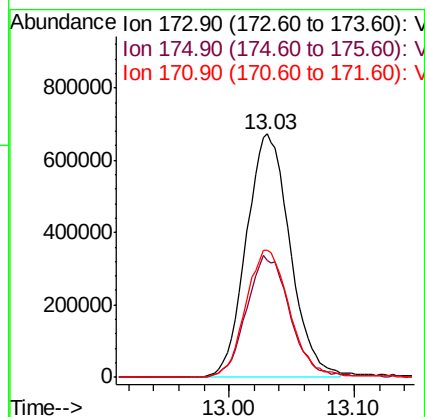
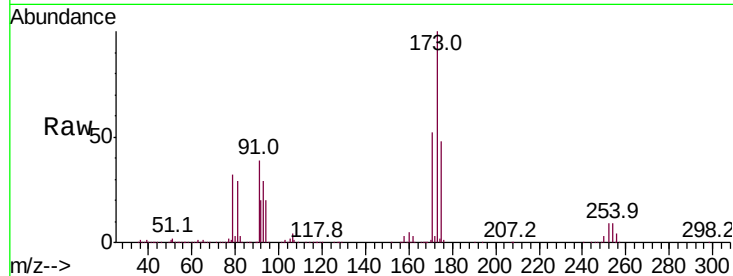
173 100

175 50.0 39.6 59.4

171 53.0 41.4 62.0

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 9.143 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.02 min

Lab File: VL036771.D

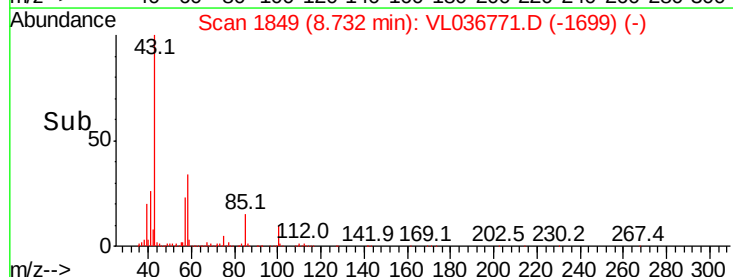
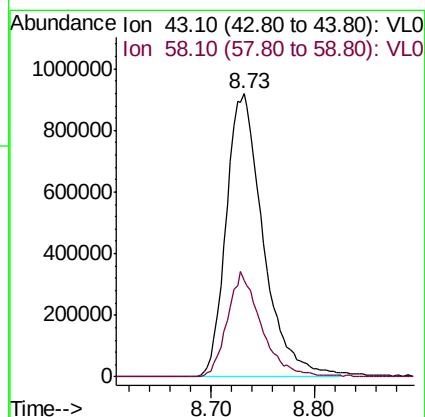
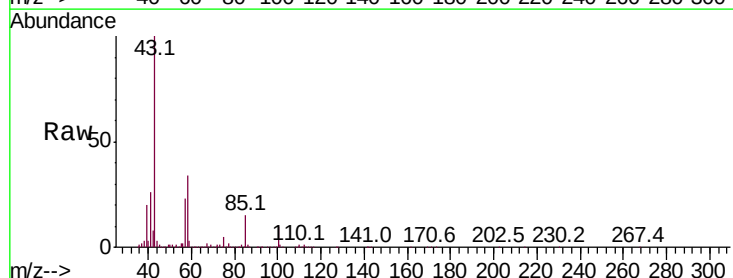
Acq: 9 Apr 2021 12:11

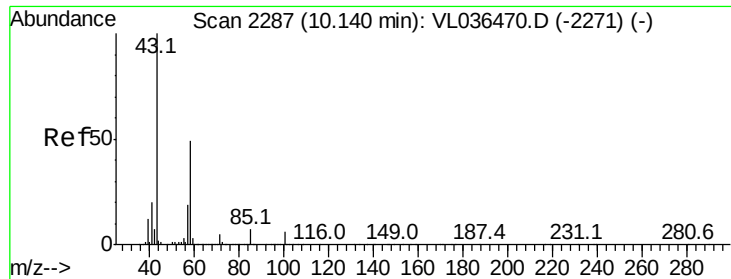
Tgt Ion: 43 Resp: 2290505

Ion Ratio Lower Upper

43 100

58 34.6 28.2 42.2





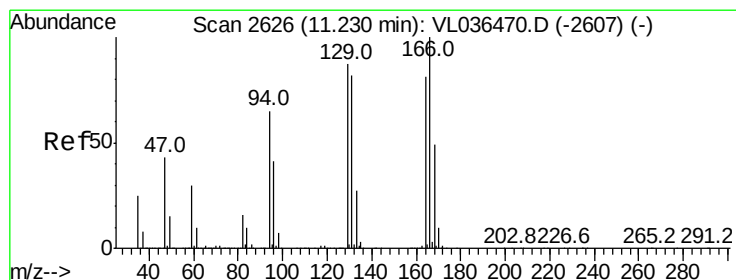
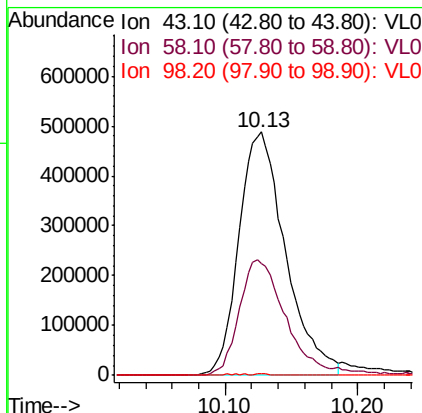
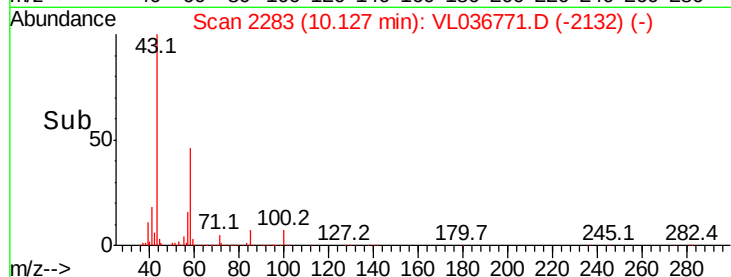
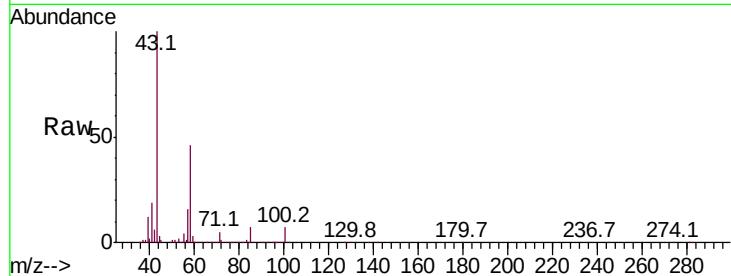
#51
2-Hexanone
Concen: 9.406 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.01 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion: 43 Resp: 1189052
Ion Ratio Lower Upper
43 100
58 48.2 37.7 56.5
98 0.6 0.2 0.2#

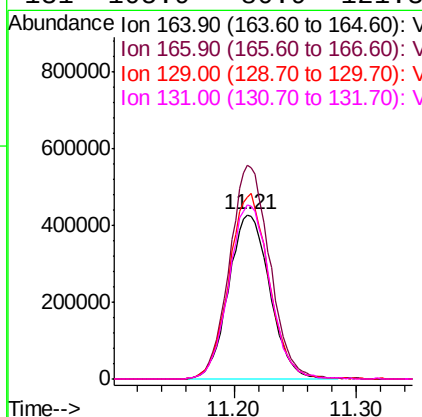
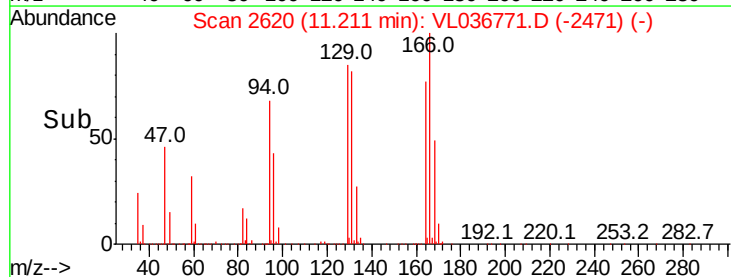
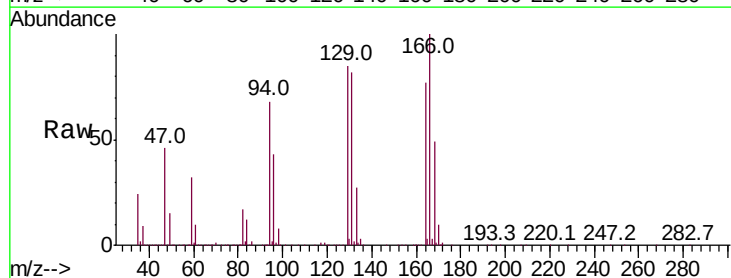
Manual Integrations
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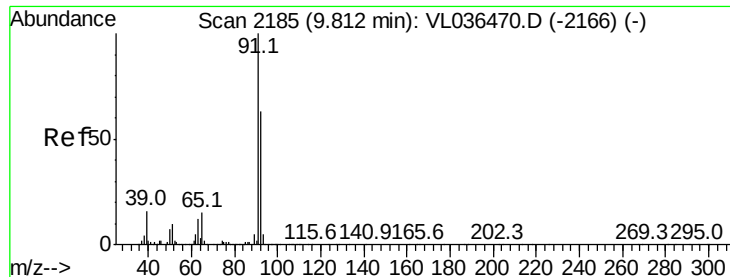
MMDadoda
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#52
Tetrachloroethene
Concen: 8.232 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion: 164 Resp: 991512
Ion Ratio Lower Upper
164 100
166 129.9 98.3 147.5
129 110.2 85.8 128.8
131 105.9 80.9 121.3





#53

Toluene

Concen: 9.394 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

Tot Ion: 91 Resp: 3272418

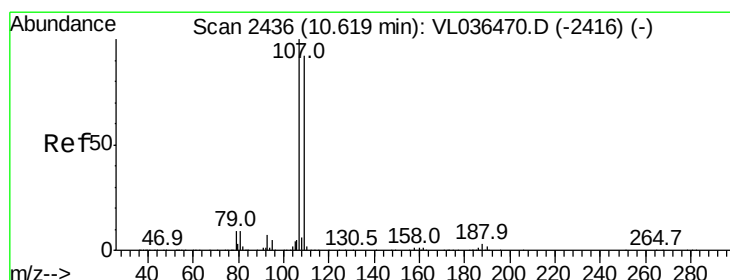
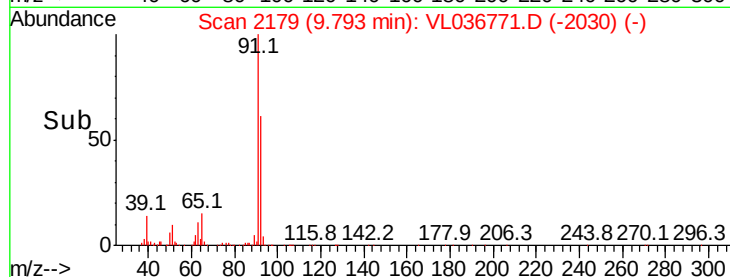
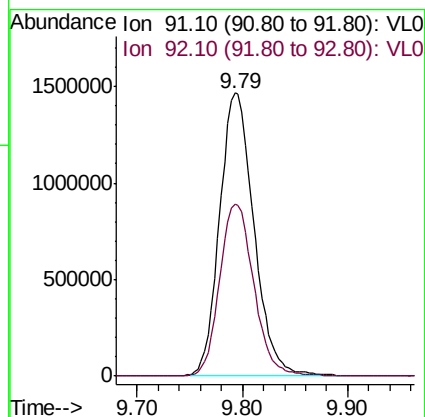
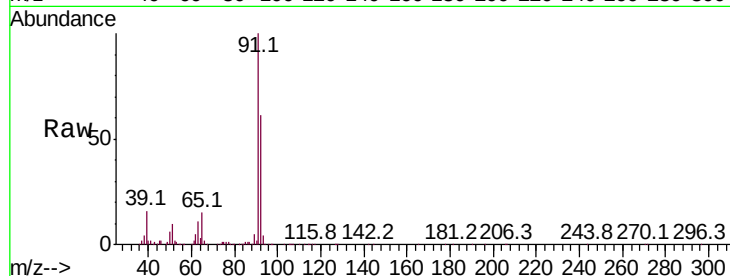
Ion Ratio Lower Upper

91 100

92 61.8 48.8 73.2

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.161 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.02 min

Lab File: VL036771.D

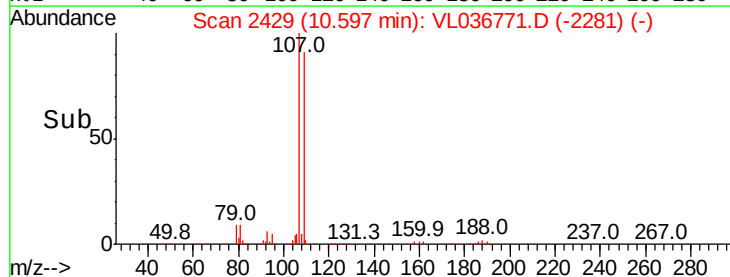
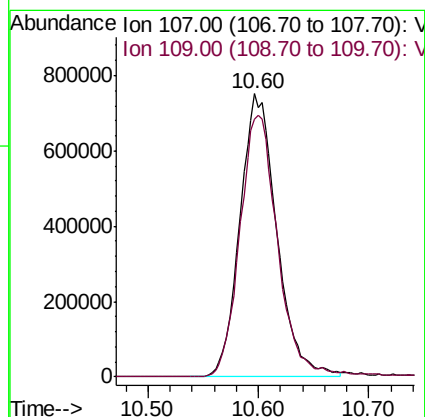
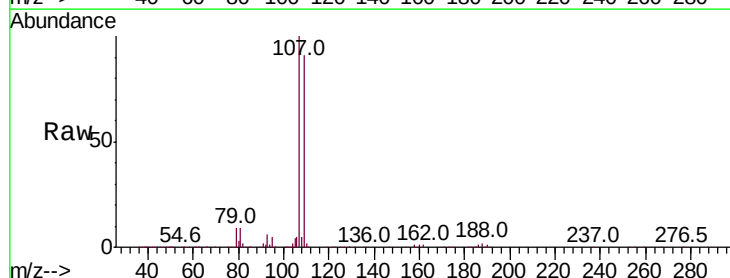
Acq: 9 Apr 2021 12:11

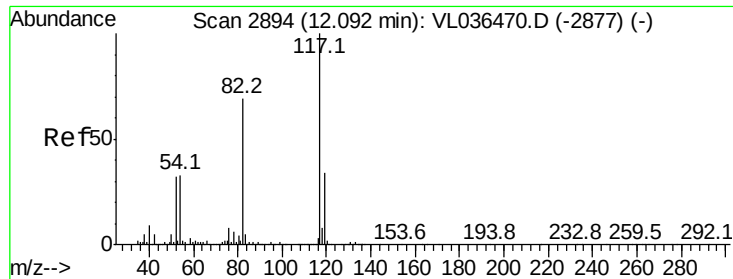
Tgt Ion: 107 Resp: 1738700

Ion Ratio Lower Upper

107 100

109 91.1 73.9 110.9





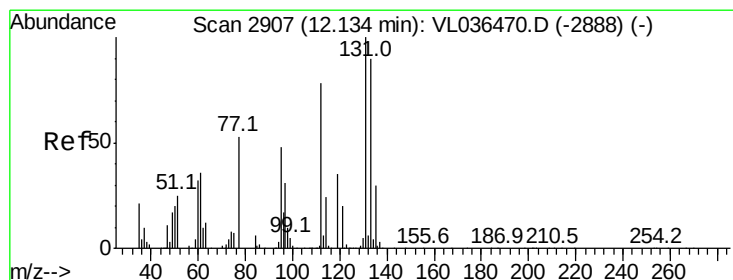
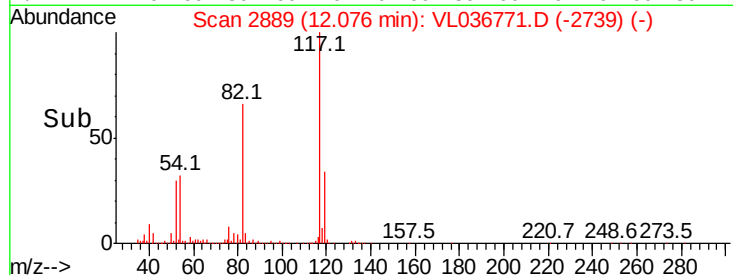
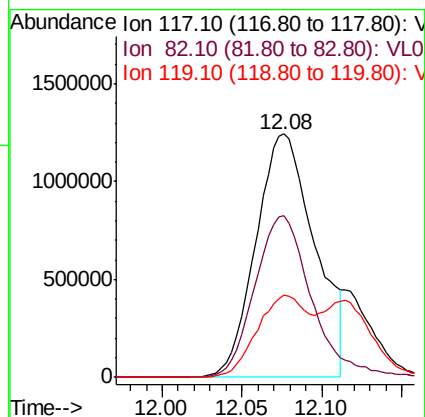
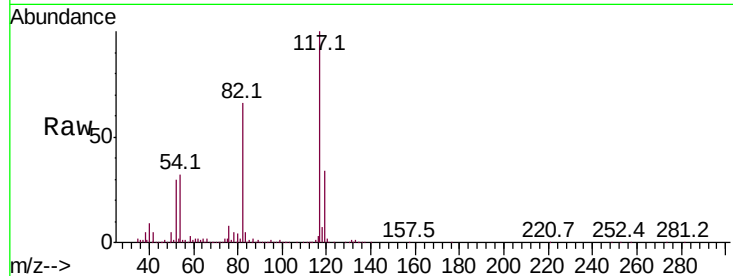
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.7	57.4	86.0
119	29.6	47.4	71.0#

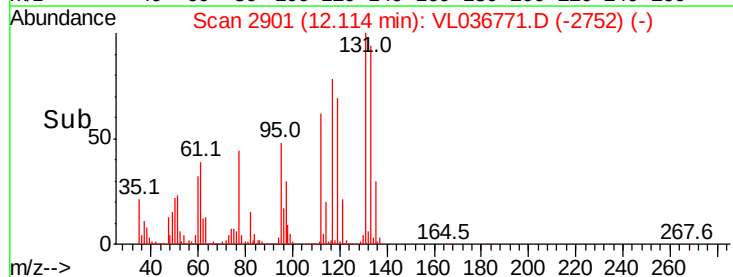
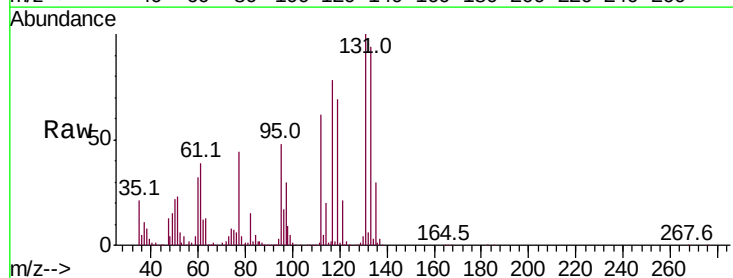
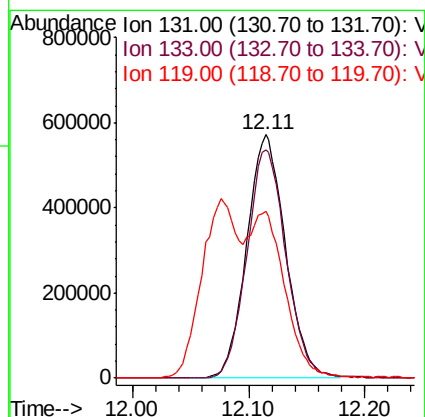
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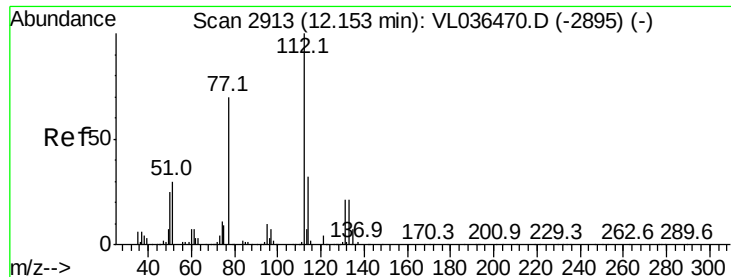
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.262 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	75.8	113.6
119	55.0	48.7	73.1





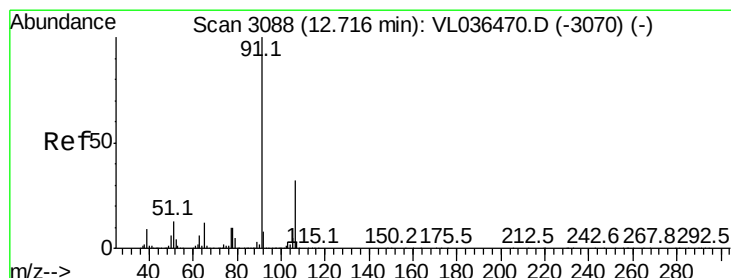
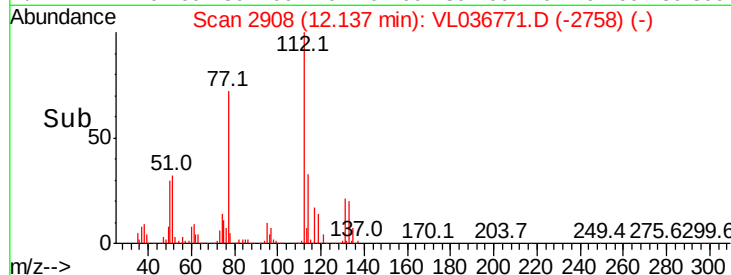
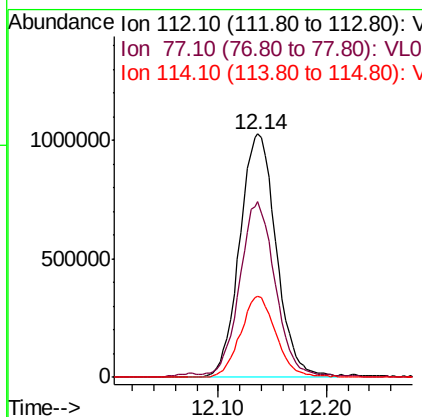
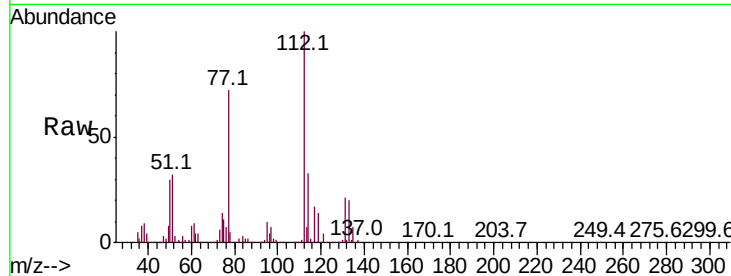
#57
Chlorobenzene
Concen: 9.003 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	71.3	56.0	84.0
114	33.1	29.0	35.4

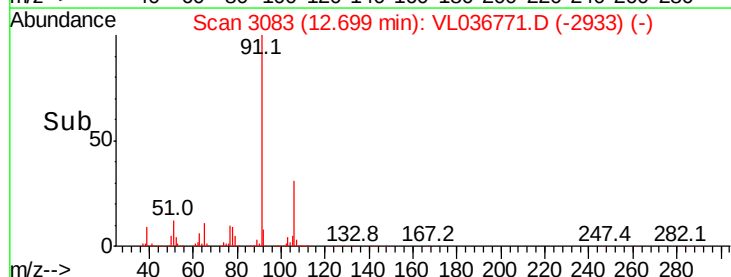
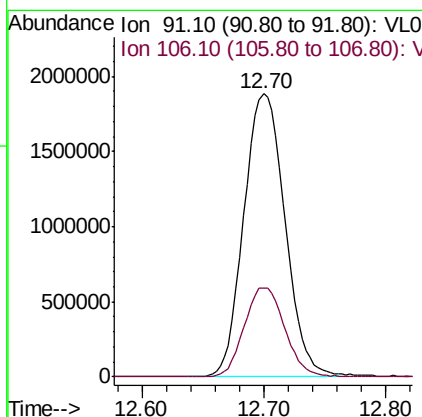
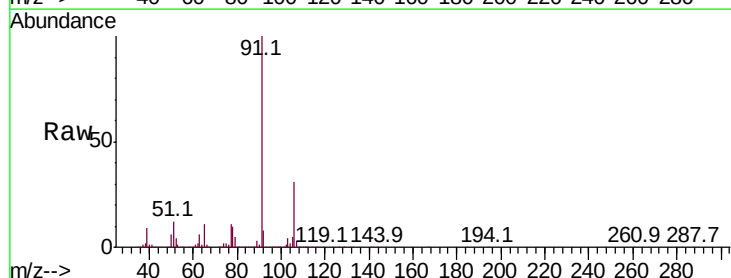
Manual Integrations
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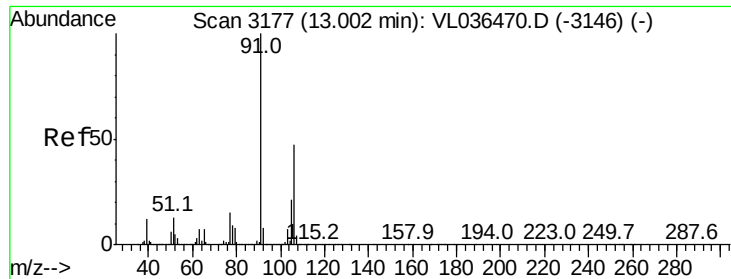
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#58
Ethyl Benzene
Concen: 9.543 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.3	37.9





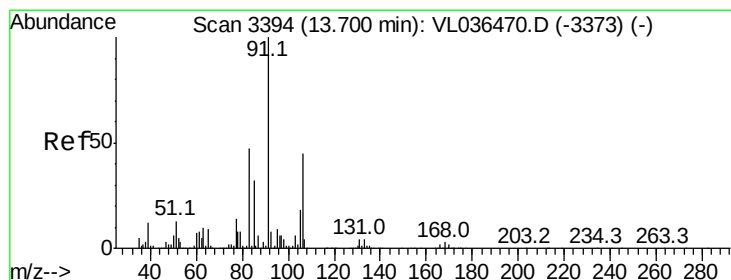
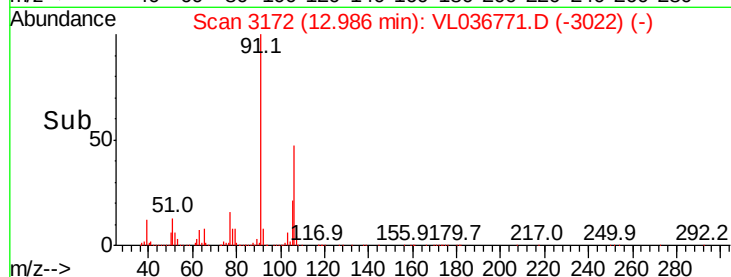
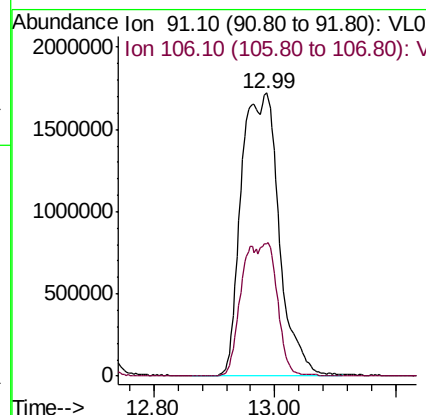
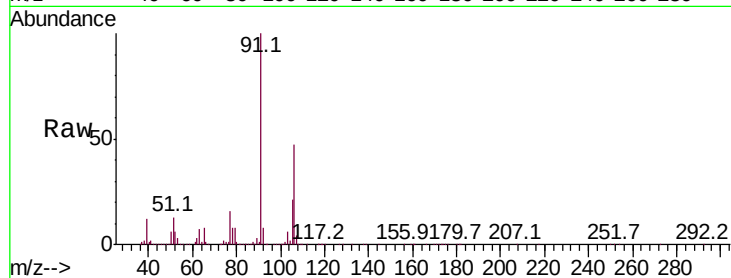
#59
m/p-Xylene
Concen: 18.571 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion: 91 Resp: 7461820
Ion Ratio Lower Upper
91 100
106 44.1 35.3 52.9

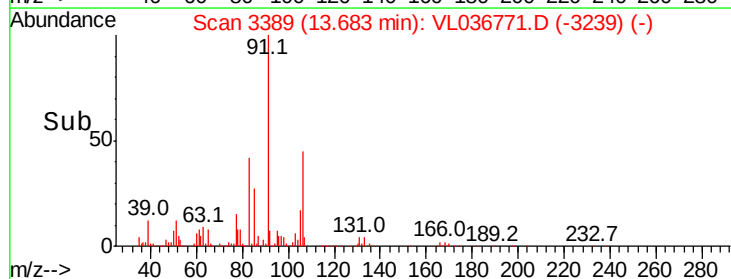
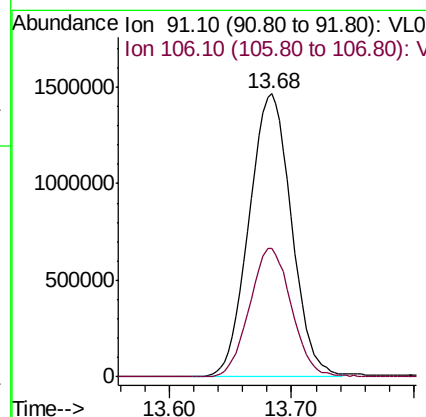
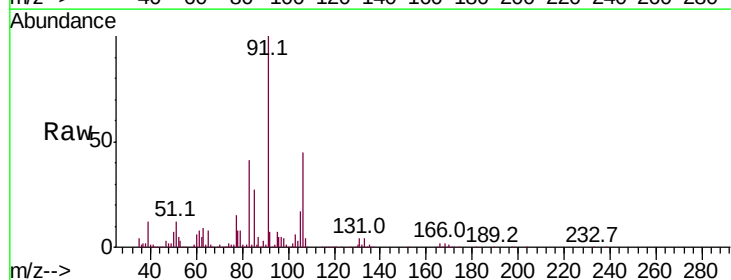
Manual Integrations
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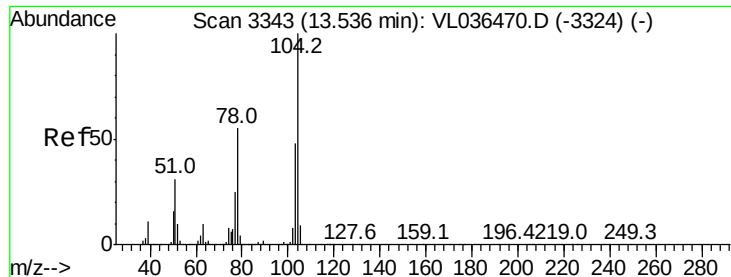
MMDadoda
4/12/2021 5:42:38 PM



#60
o-Xylene
Concen: 9.052 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion: 91 Resp: 3516530
Ion Ratio Lower Upper
91 100
106 45.2 22.3 66.9





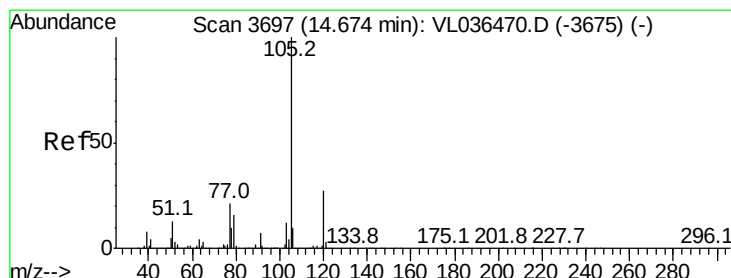
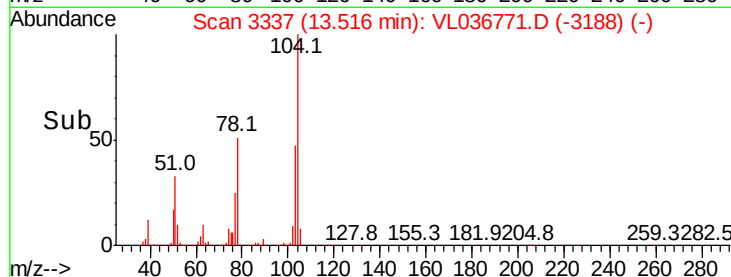
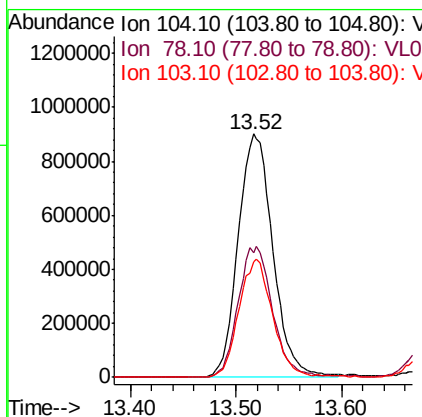
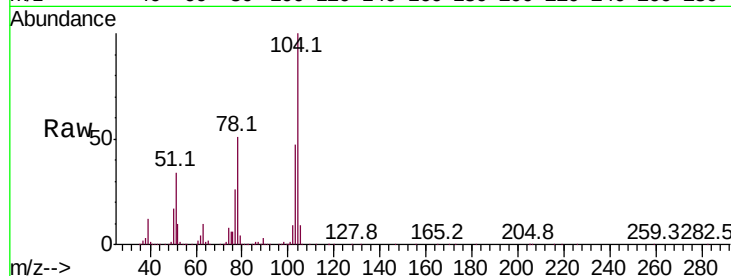
#61
Stvrene
Concen: 10.578 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.6	43.8	65.8
103	47.4	38.3	57.5

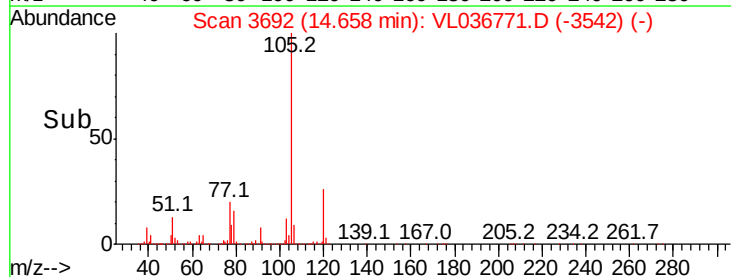
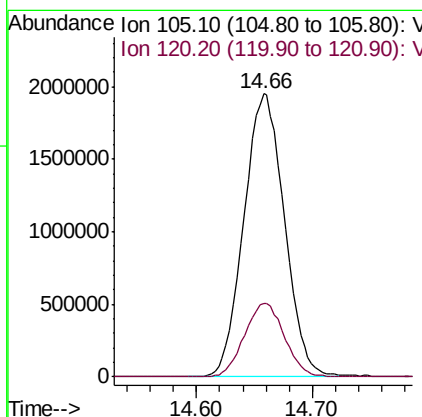
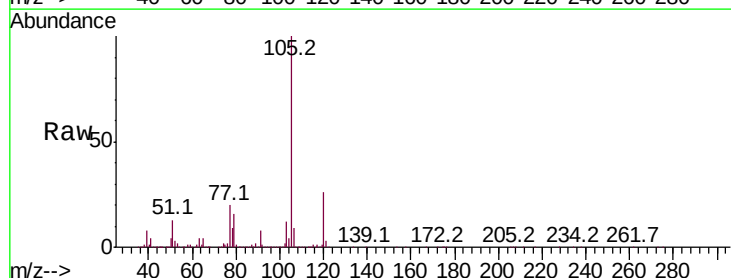
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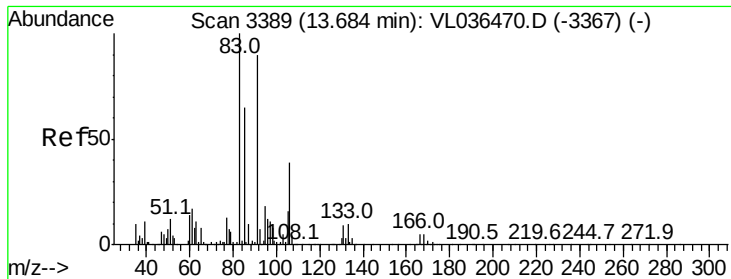
MMDadoda
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#62
Isopropylbenzene
Concen: 9.072 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.6	31.0





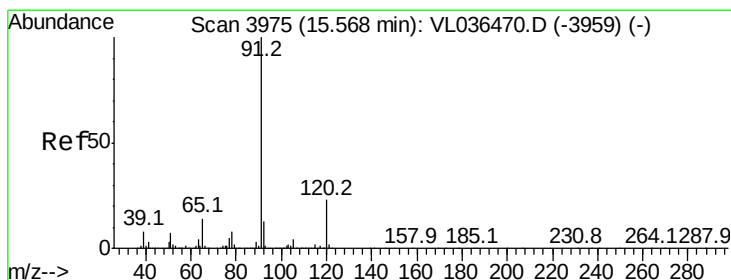
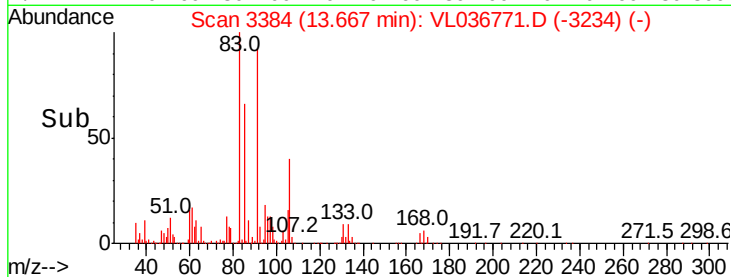
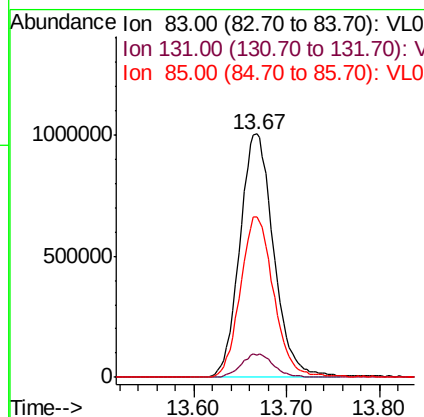
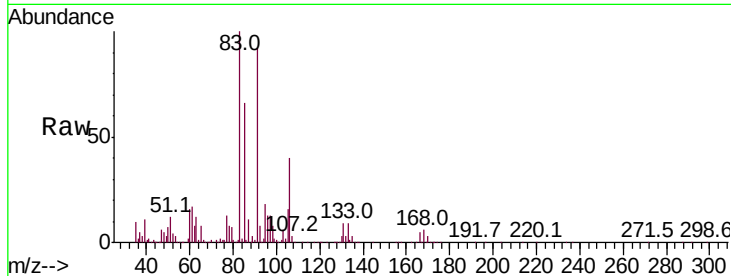
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.589 ppbv
 RT: 13.67 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

Tot Ion	83	Resp	2545461
Ion Ratio	100	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	65.1	33.1	99.3

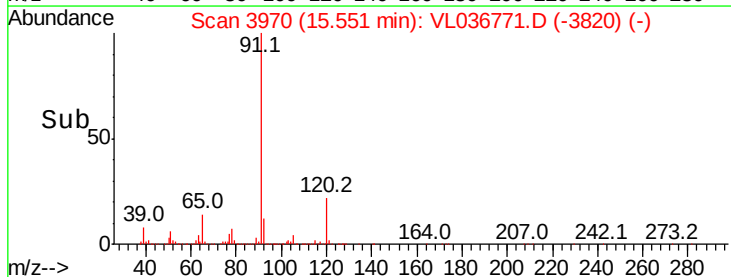
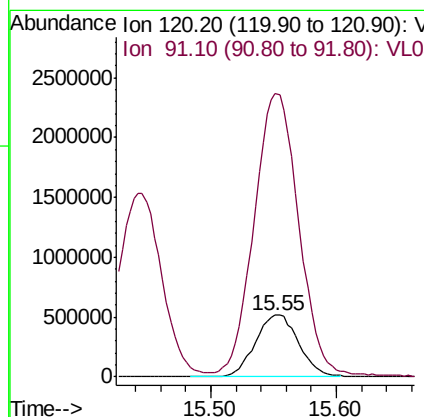
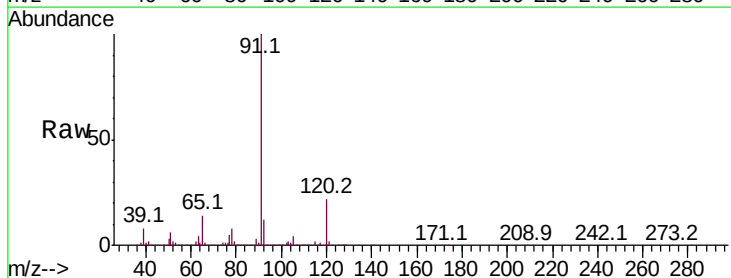
Manual Integrations
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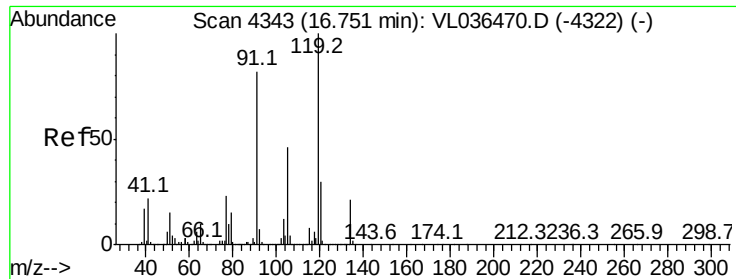
MMDadoda
 4/12/2021 5:42:38 PM



#64
 n-propylbenzene
 Concen: 9.708 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Tgt Ion	120	Resp	1241746
Ion Ratio	100	Lower	Upper
120	100		
91	476.9	377.4	566.2





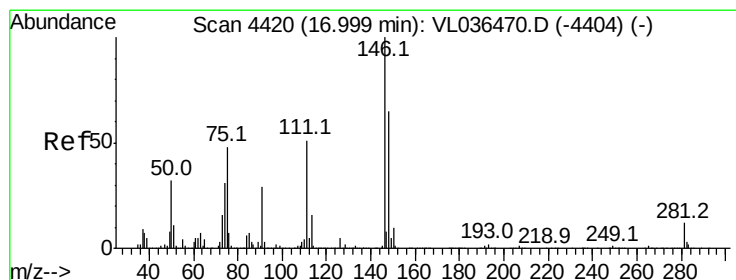
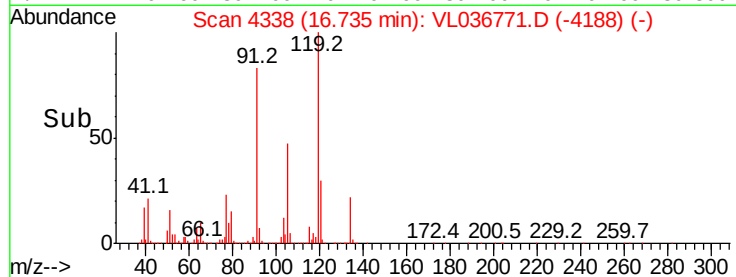
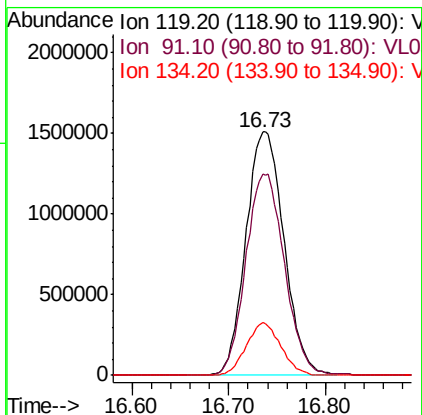
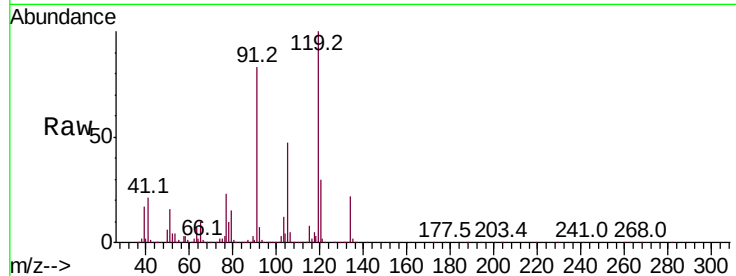
#65
 tert-Butylbenzene
 Concen: 9.102 ppbv
 RT: 16.73 min Scan# 4338
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.2	67.5	101.3
134	19.8	15.8	23.8

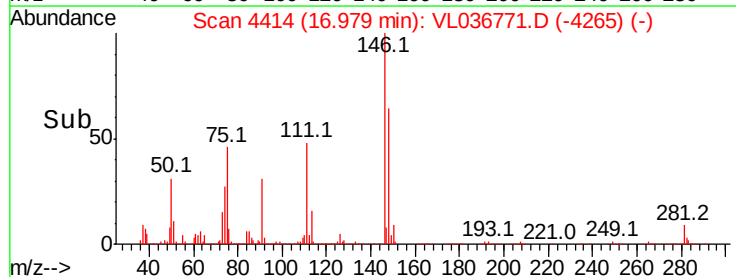
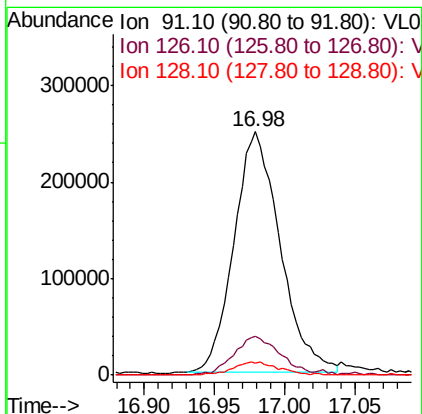
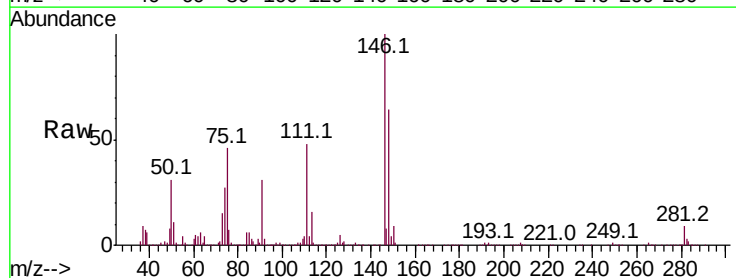
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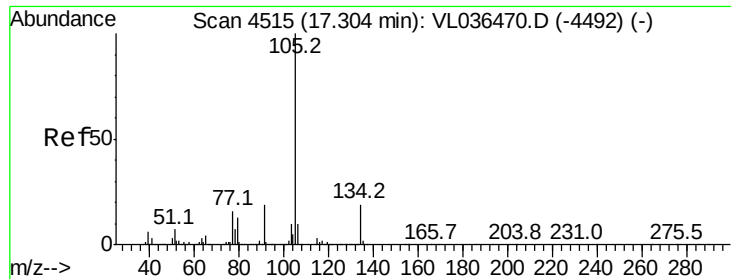
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#66
 Benzyl Chloride
 Concen: 11.363 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.2	13.5	20.3
128	5.6	4.2	6.4





#67

sec-Butylbenzene

Concen: 9.160 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

Tot Ion:105 Resp: 5865955

Ion Ratio Lower Upper

105 100

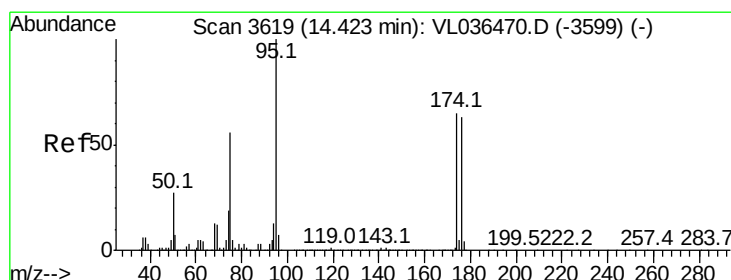
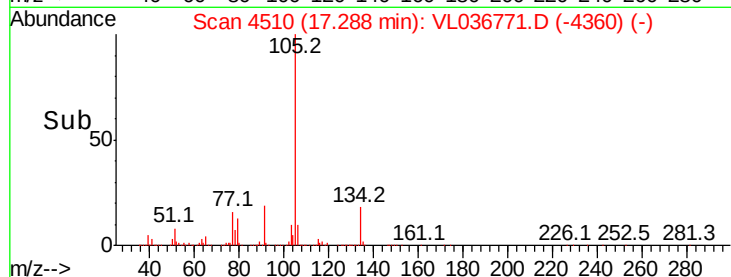
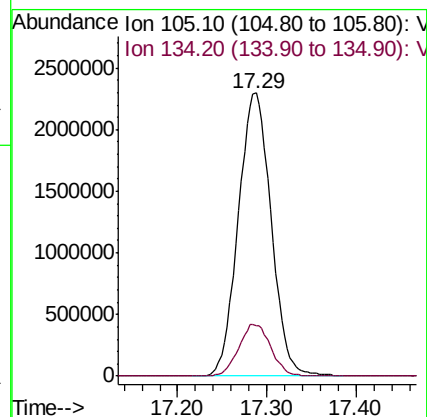
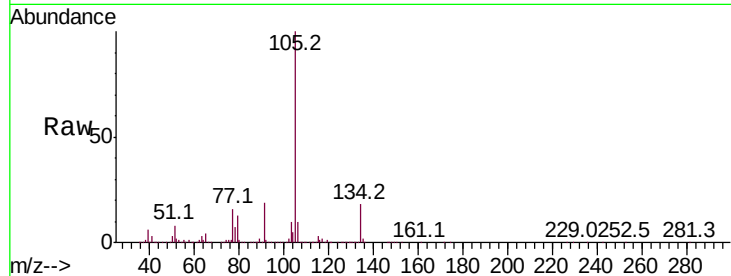
134 17.9 14.7 22.1

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#68

1-Bromo-4-Fluorobenzene

Concen: 8.310 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

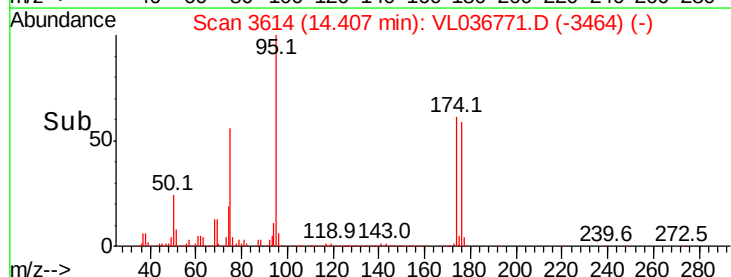
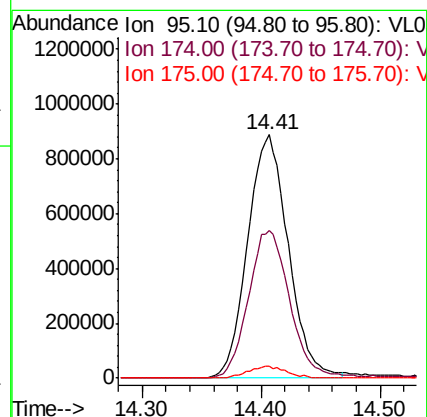
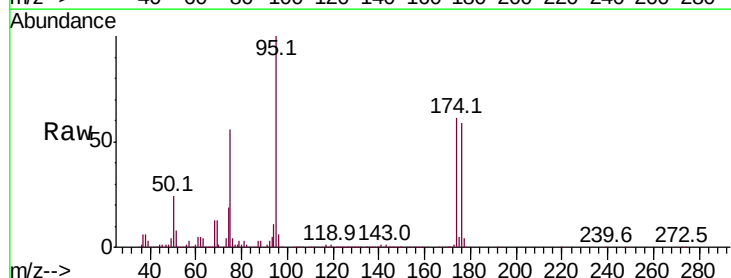
Tgt Ion: 95 Resp: 2097031

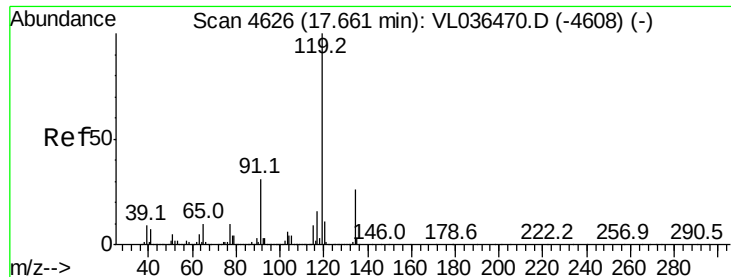
Ion Ratio Lower Upper

95 100

174 62.3 51.0 76.6

175 4.8 3.9 5.9





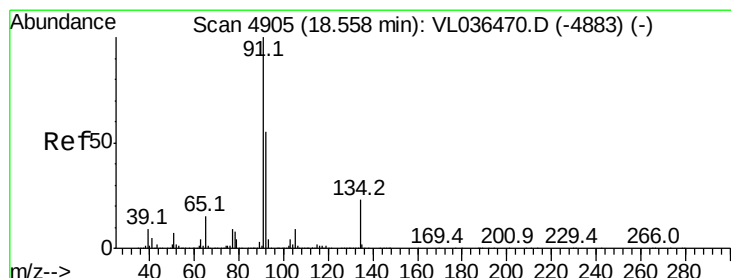
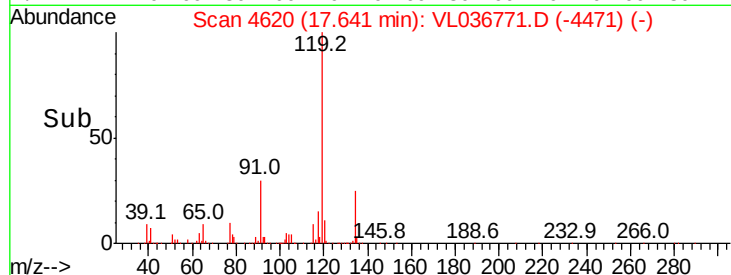
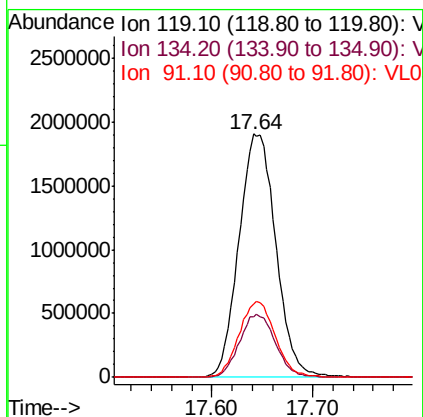
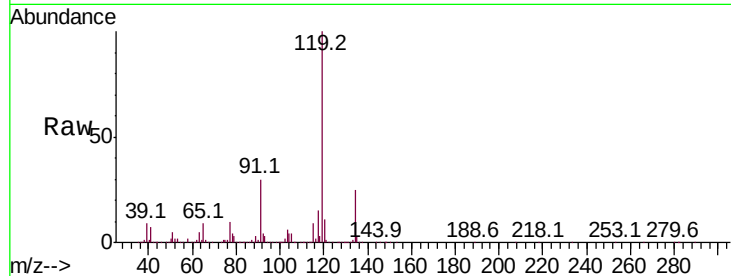
#69
 p-Isopropyltoluene
 Concen: 9.667 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.6	30.8
91	30.3	25.0	37.6

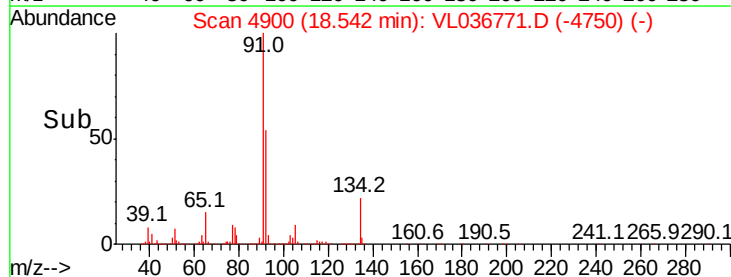
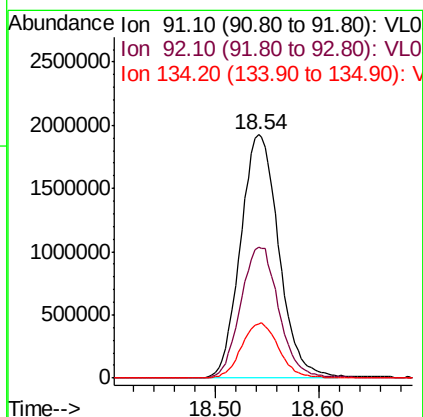
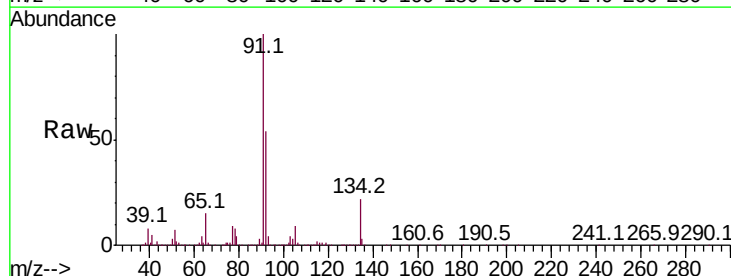
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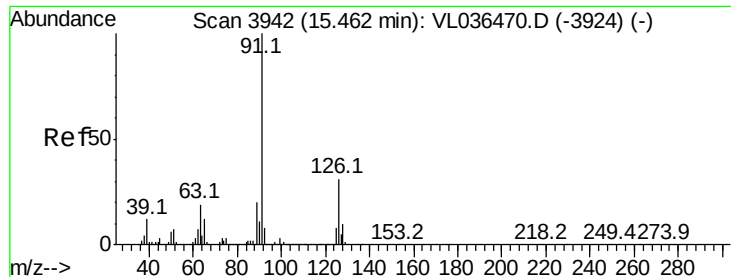
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#70
 n-Butylbenzene
 Concen: 9.573 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.8	65.8
134	22.3	18.0	27.0





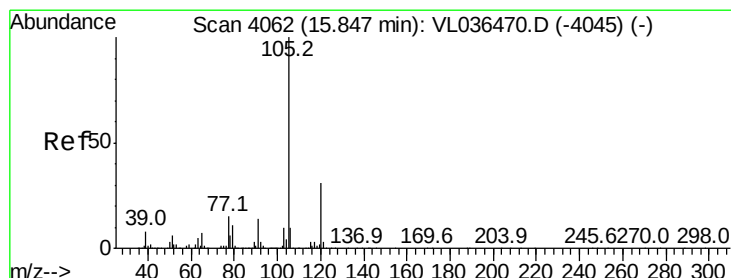
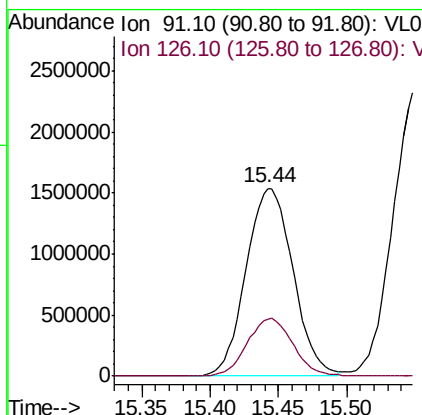
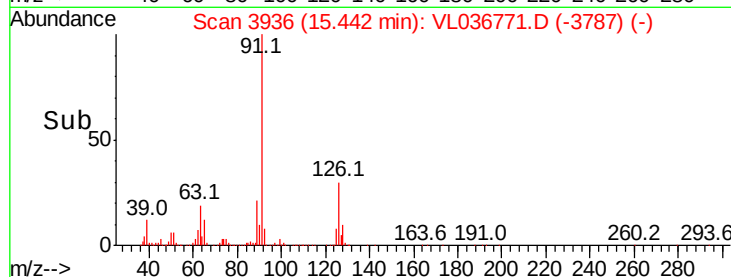
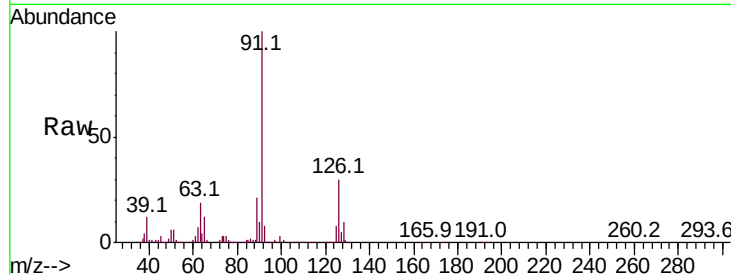
#71
 2-Chlorotoluene
 Concen: 9.390 ppbv
 RT: 15.44 min Scan# 3936
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

Tot Ion: 91 Resp: 3681119
 Ion Ratio Lower Upper
 91 100
 126 30.4 12.1 48.5

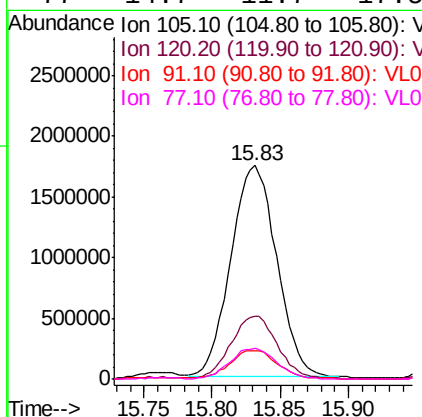
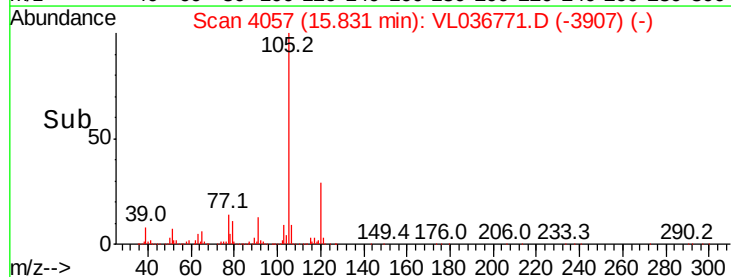
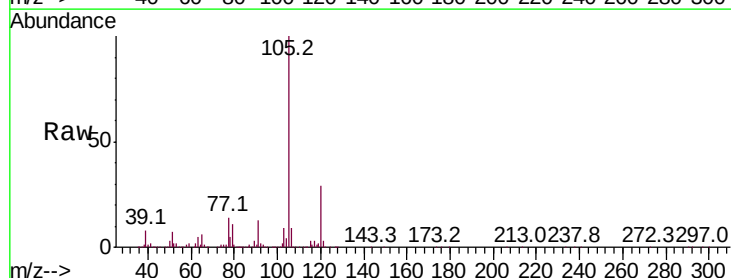
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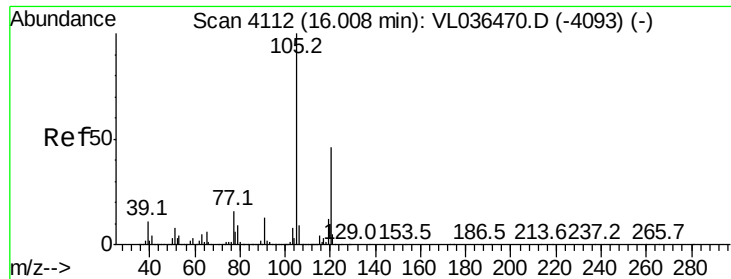
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#72
 4-Ethyltoluene
 Concen: 9.575 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Tgt Ion: 105 Resp: 4076335
 Ion Ratio Lower Upper
 105 100
 120 30.2 24.0 36.0
 91 13.8 11.0 16.4
 77 14.7 11.7 17.5





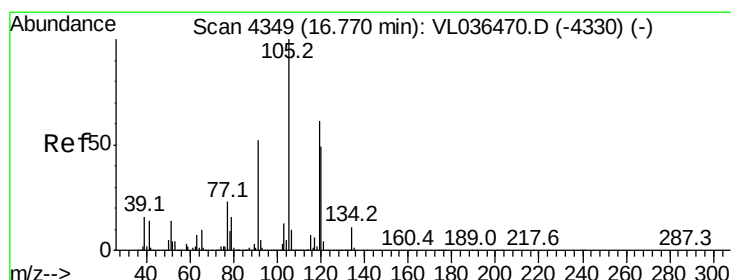
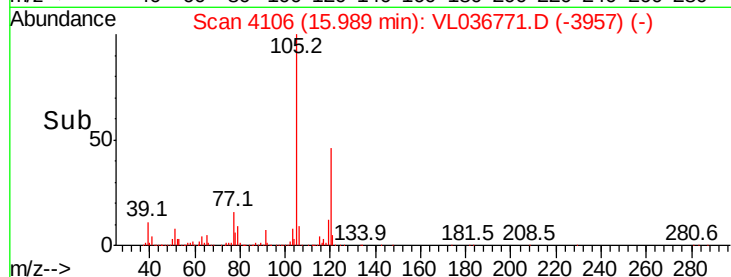
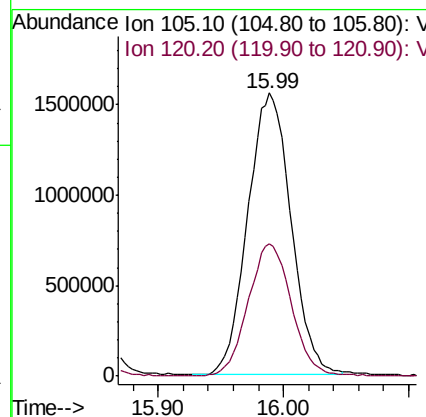
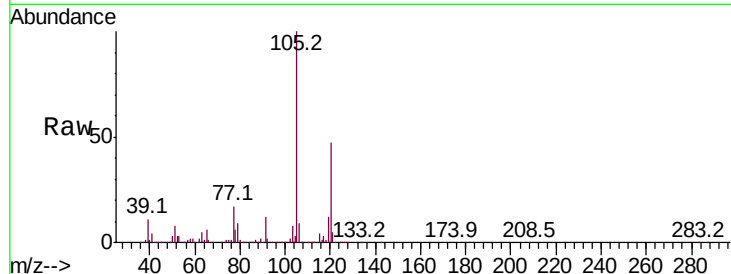
#73
 1,3,5-Trimethylbenzene
 Concen: 9.400 ppbv
 RT: 15.99 min Scan# 4106
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

Tot Ion:105 Resp: 3734765
 Ion Ratio Lower Upper
 105 100
 120 46.9 36.6 54.8

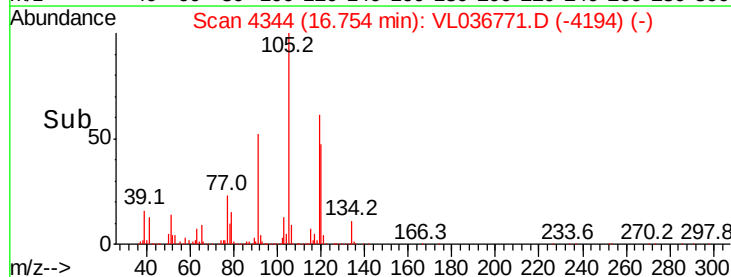
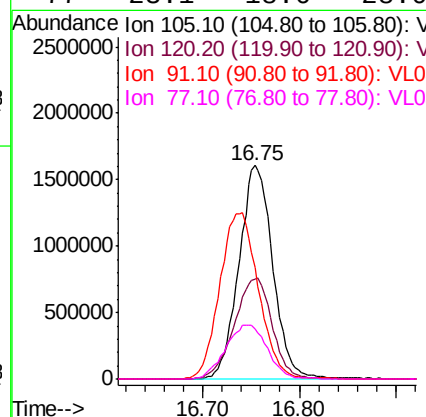
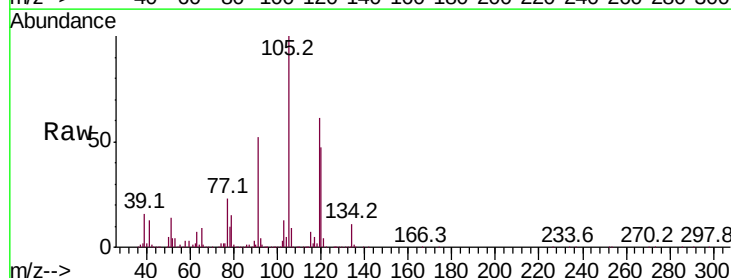
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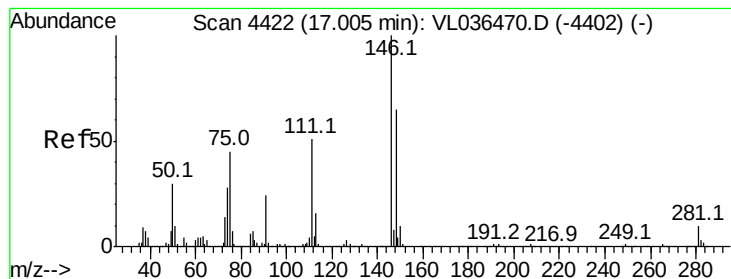
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.179 ppbv
 RT: 16.75 min Scan# 4344
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Tgt Ion:105 Resp: 3902876
 Ion Ratio Lower Upper
 105 100
 120 46.6 39.2 58.8
 91 52.1 42.6 64.0
 77 23.1 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 9.408 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

Tot Ion:146 Resp: 2251556

Ion Ratio Lower Upper

146 100

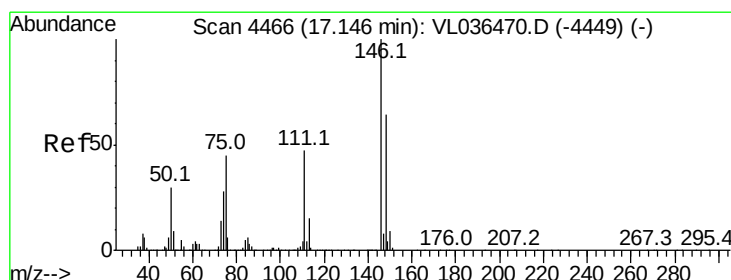
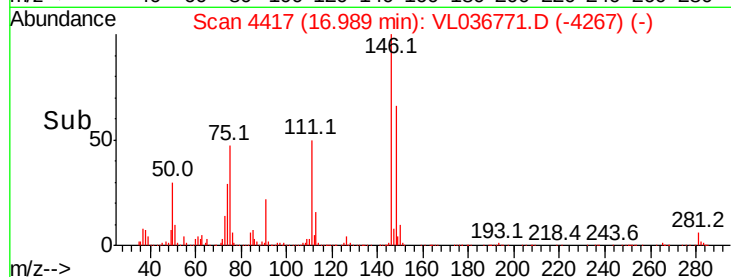
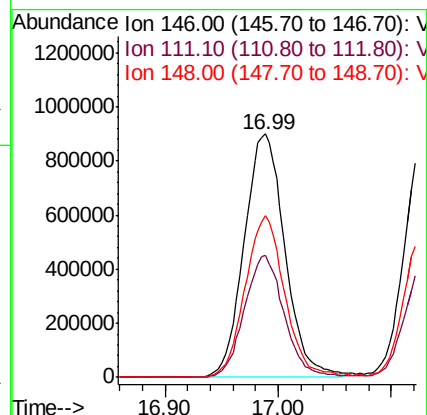
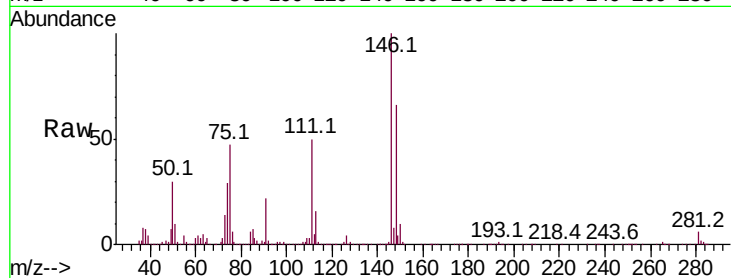
111 48.9 24.5 73.5

148 64.7 32.3 96.9

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#76

1,4-Dichlorobenzene

Concen: 9.149 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

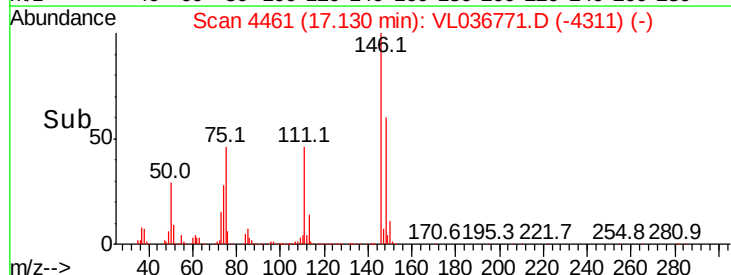
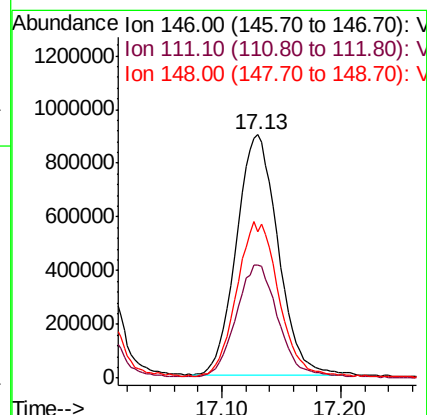
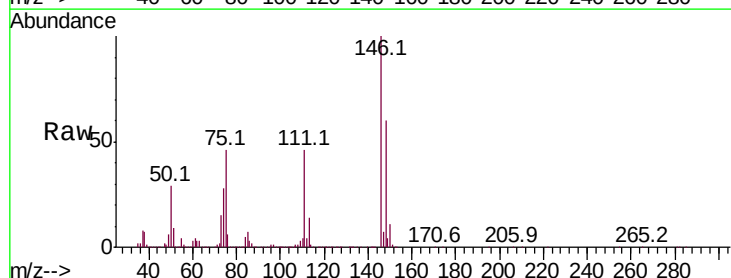
Tgt Ion:146 Resp: 2173998

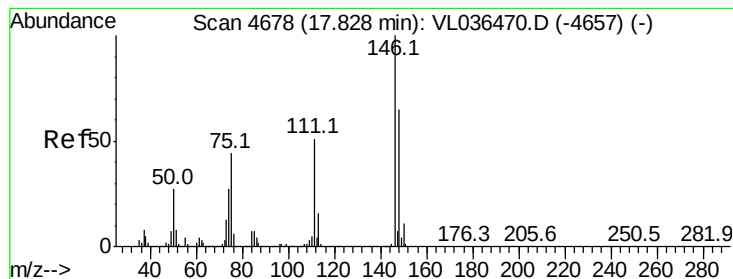
Ion Ratio Lower Upper

146 100

111 48.0 24.3 72.8

148 66.6 33.0 98.9





#77

1,2-Dichlorobenzene

Concen: 9.698 ppbv

RT: 17.81 min Scan# 4672

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

Tot Ion:146 Resp: 2181758

Ion Ratio Lower Upper

146 100

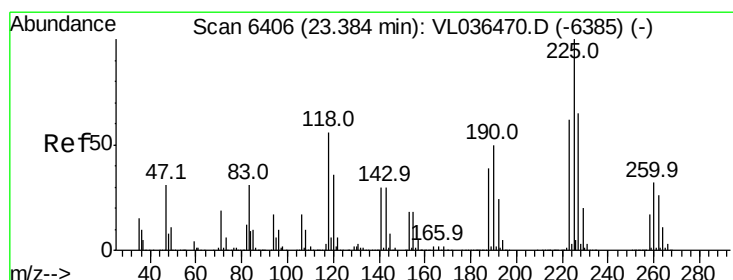
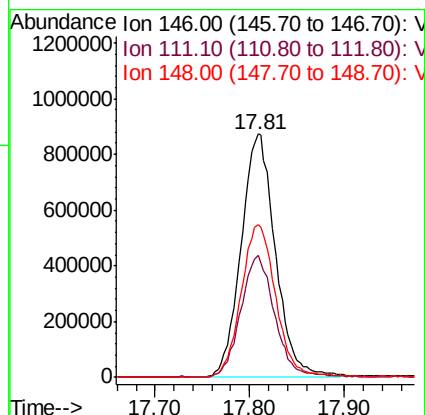
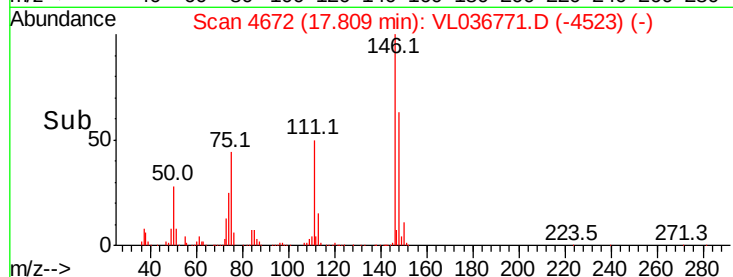
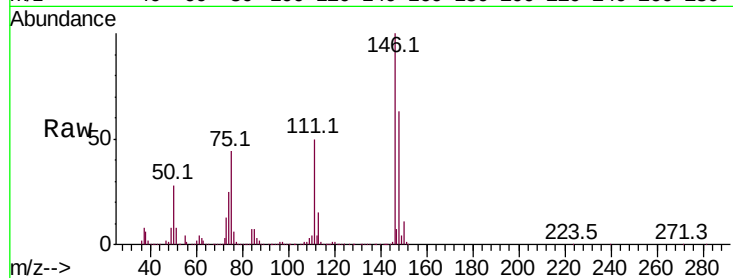
111 49.9 25.5 76.5

148 64.2 32.9 98.6

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#78

Hexachloro-1,3-Butadiene

Concen: 8.013 ppbv

RT: 23.37 min Scan# 6401

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

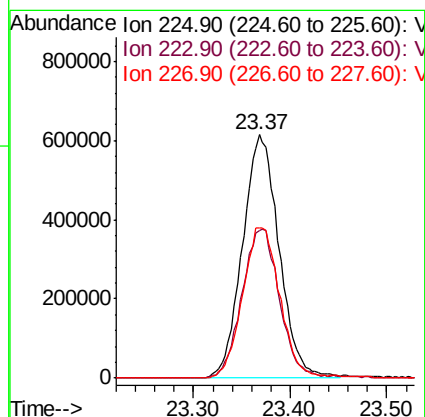
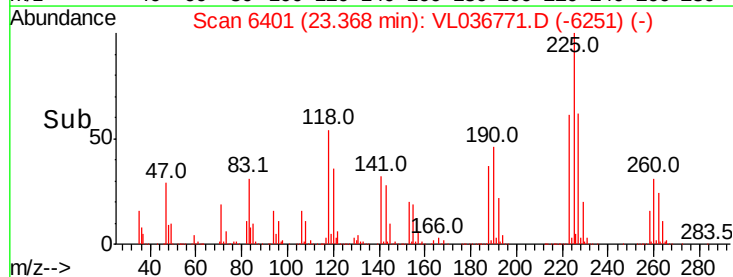
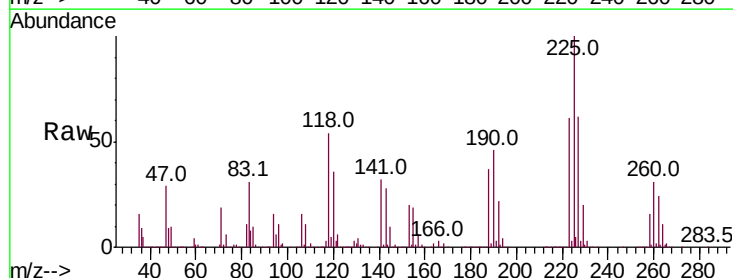
Tgt Ion:225 Resp: 1614422

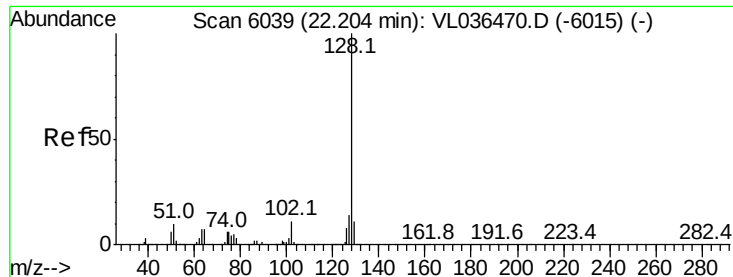
Ion Ratio Lower Upper

225 100

223 63.6 50.6 75.8

227 64.1 52.2 78.2





#79

Naphthalene

Concen: 10.529 ppbv

RT: 22.19 min Scan# 6034

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

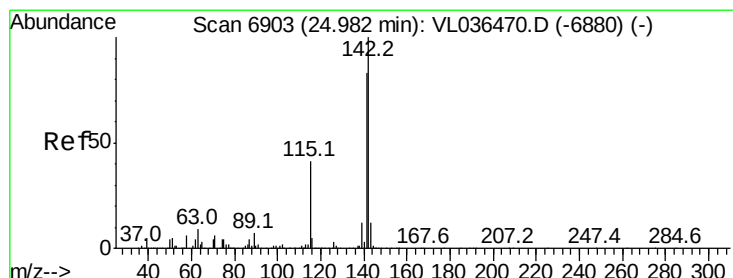
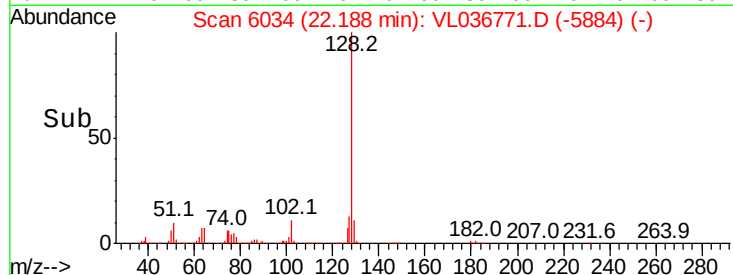
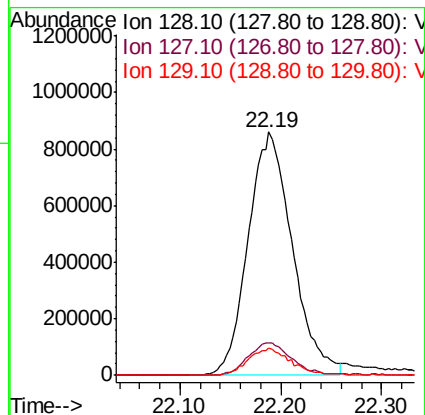
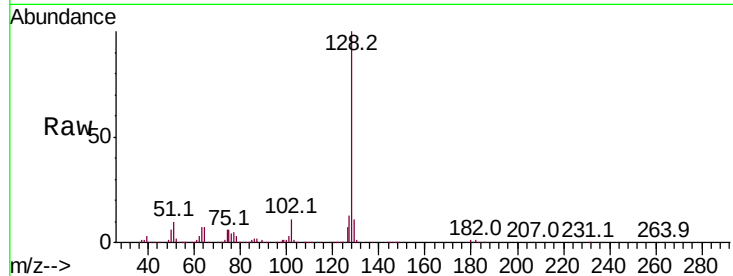
ClientSampleId :

VL0409ABS01

Tot Ion:	128	Resp:	2612306
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.9	16.3
129	11.3	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
4/12/2021 5:42:38 PM



#80

Naphthalene, 2-methyl-

Concen: 8.567 ppbv

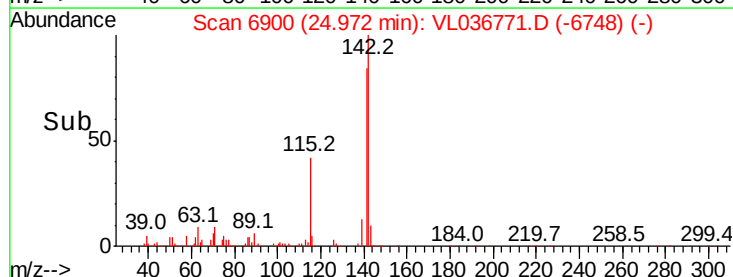
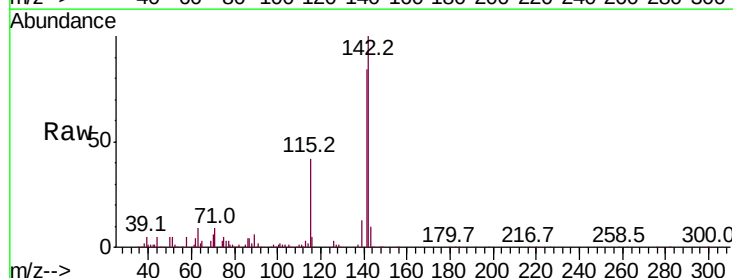
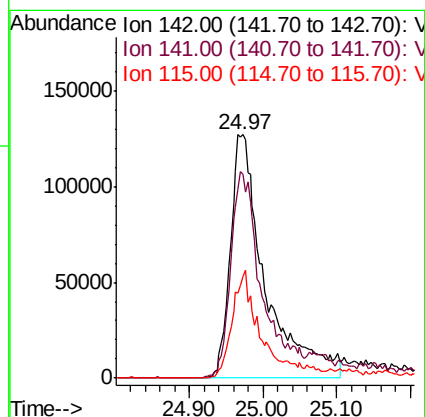
RT: 24.97 min Scan# 6900

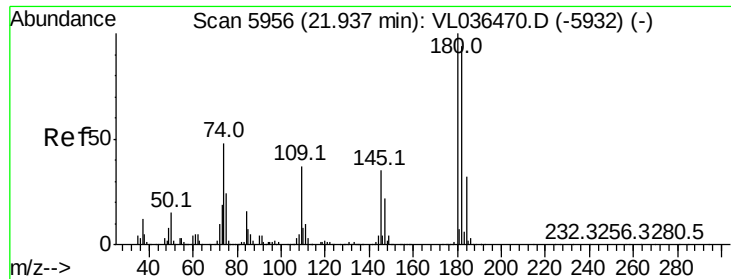
Delta R.T. -0.01 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Tgt Ion:	142	Resp:	419152
Ion	Ratio	Lower	Upper
142	100		
141	76.2	67.8	101.8
115	40.7	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.919 ppbv
 RT: 21.92 min Scan# 5950
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.4	80.8	121.2
184	31.2	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 5:42:38 PM

