

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030121\
 Data File : VL036408.D
 Acq On : 1 Mar 2021 9:24
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 3/2/2021 3:29:58 PM

Quant Time: Mar 02 02:50:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1652510	10.00	ppbv	0.05
33) 1,4-Difluorobenzene	7.21	114	3856673	10.00	ppbv	0.05
55) Chlorobenzene-d5	12.12	117	3640641m	10.00	ppbv	0.06

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2854945	9.53	ppbv	0.06
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	2007663	8.140	ppbv	98
3) Chlorodifluoromethane	3.00	51	1883523	9.173	ppbv	99
4) Chloromethane	3.15	50	947009	9.547	ppbv	98
5) Vinyl Chloride	3.28	62	936848	10.142	ppbv	96
6) Bromomethane	3.49	94	551965	10.054	ppbv	93
7) Chloroethane	3.57	64	322421	9.831	ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	2117665	9.441	ppbv	98
9) Propene	3.02	41	854200	11.158	ppbv	98
10) Heptane	8.15	43	2244044	9.946	ppbv	98
11) Trichlorofluoromethane	3.97	101	2268090	9.392	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.51	101	1471617	9.837	ppbv	99
13) Ethanol	3.63	45	161675m	11.244	ppbv	
14) Bromoethene	3.76	108	632285	10.099	ppbv	97
15) Acetone	3.87	43	1781286	8.818	ppbv	99
16) 1,3-Butadiene	3.34	39	914465	9.467	ppbv	100
17) tert-Butyl alcohol	4.32	59	1560217	9.950	ppbv	100
18) 1,1-Dichloroethene	4.31	96	638095	9.386	ppbv	96
19) Isopropyl Alcohol	3.99	45	1052490	9.405	ppbv	100
20) Methylene Chloride	4.37	84	538004	8.255	ppbv	93
21) Allyl Chloride	4.43	41	1055463	9.385	ppbv	99
22) trans-1,2-Dichloroethene	4.91	96	607384	9.835	ppbv	97
23) Vinyl Acetate	5.10	43	2432255	10.241	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1761040	10.026	ppbv	98
25) Ethyl Acetate	5.70	43	3730351	9.566	ppbv	99
26) Hexane	5.71	57	1534430	9.577	ppbv	99
27) Carbon Disulfide	4.57	76	1625355	11.037	ppbv	98
28) Methyl tert-Butyl Ether	5.06	73	2167257	10.354	ppbv	99
29) Chloroform	5.78	83	2441590	9.459	ppbv	96
30) Cyclohexane	7.16	84	1271364	9.541	ppbv	98
31) cis-1,2-Dichloroethene	5.57	61	1563606	9.862	ppbv	96
32) 1,1,1-Trichloroethane	6.54	97	2382392	9.872	ppbv	98
34) 2-Butanone	5.27	43	2367260	9.238	ppbv	99
35) Carbon Tetrachloride	7.05	117	2413932	9.339	ppbv	98
36) Benzene	6.92	78	3196120	9.756	ppbv	97
37) 1,2-Dichloroethane	6.34	62	1873947	9.252	ppbv	99
38) Trichloroethene	7.86	130	1088045	9.271	ppbv	95
39) 1,2-Dichloropropane	7.64	63	1300480	9.772	ppbv	97
40) 1,4-Dioxane	7.86	88	442634	9.600	ppbv #	86
41) Tetrahydrofuran	6.08	42	1448153	10.127	ppbv	98
42) Bromodichloromethane	7.82	83	2597059	9.573	ppbv	99
43) Methyl Methacrylate	8.04	69	1391959	10.075	ppbv	99

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 VSTDCCC010

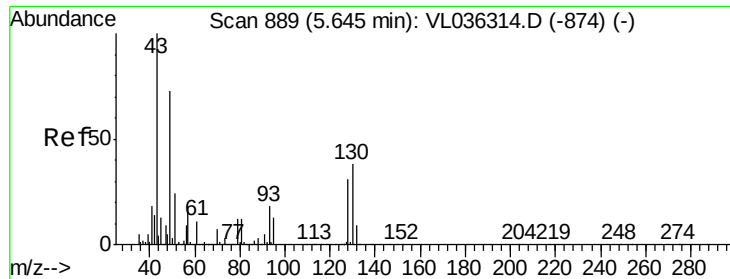
Manual Integrations
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Quant Time: Mar 02 02:50:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	5419152	9.097	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1499632	11.252	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1846281	10.905	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	1256652	9.227	ppbv	96
48) Dibromochloromethane	10.34	129	2086412	10.266	ppbv	99
49) Bromoform	13.08	173	1753860	10.675	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	3706070	9.742	ppbv	100
51) 2-Hexanone	10.17	43	2988682	10.340	ppbv #	99
52) Tetrachloroethene	11.26	164	1047684	8.735	ppbv	96
53) Toluene	9.84	91	3532413	9.954	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1901365	9.660	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1559619	9.314	ppbv #	60
57) Chlorobenzene	12.18	112	2536681	9.018	ppbv	100
58) Ethyl Benzene	12.74	91	4751677	9.531	ppbv	99
59) m/p-Xylene	13.03	91	8063094m	18.414	ppbv	
60) o-Xylene	13.73	91	3828863	9.145	ppbv	99
61) Styrene	13.56	104	2689843	10.367	ppbv	98
62) Isopropylbenzene	14.71	105	5686291	9.061	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2754128	8.337	ppbv	100
64) n-propylbenzene	15.60	120	1460025	9.453	ppbv	100
65) tert-Butylbenzene	16.78	119	4835678	9.006	ppbv	98
66) Benzyl Chloride	17.02	91	1793704	12.288	ppbv	99
67) sec-Butylbenzene	17.33	105	6858499	8.857	ppbv	99
69) p-Isopropyltoluene	17.69	119	5629962	9.408	ppbv	99
70) n-Butylbenzene	18.59	91	5960066	9.287	ppbv	100
71) 2-Chlorotoluene	15.49	91	4456319	9.263	ppbv	98
72) 4-Ethyltoluene	15.88	105	4391525	9.425	ppbv	98
73) 1,3,5-Trimethylbenzene	16.03	105	4153610	9.196	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	4198321	9.105	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	2290956	9.154	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	2264688	8.714	ppbv	97
77) 1,2-Dichlorobenzene	17.85	146	2250052	9.063	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1571965	7.750	ppbv	99
79) Naphthalene	22.24	128	3027318	11.076	ppbv	96
80) Naphthalene,2-methyl-	25.00	142	738882	14.600	ppbv	95
81) 1,2,4-Trichlorobenzene	21.97	180	1599135	9.589	ppbv	99

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



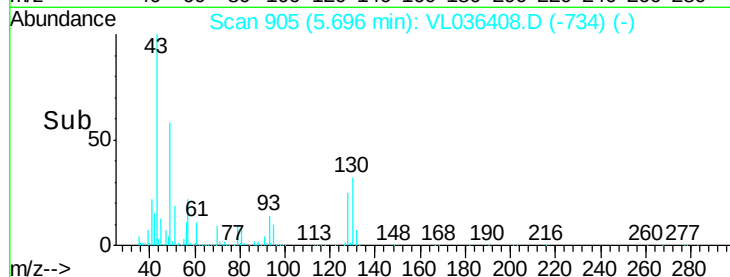
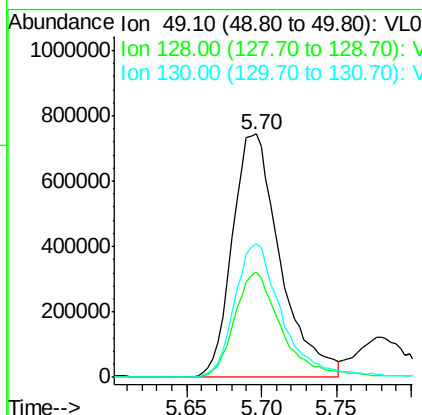
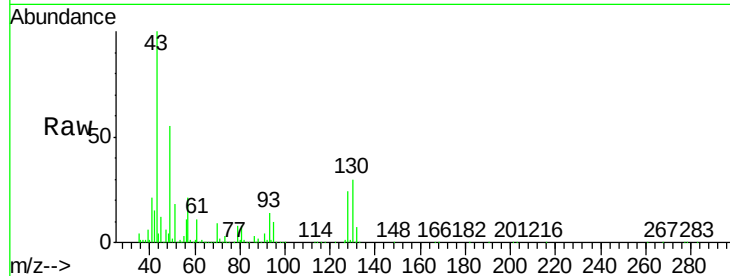
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 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.70 min Scan# 905
 Delta R.T. 0.05 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 49 Resp: 1652510
 Ion Ratio Lower Upper
 49 100
 128 43.2 20.8 62.5
 130 55.6 26.7 80.1

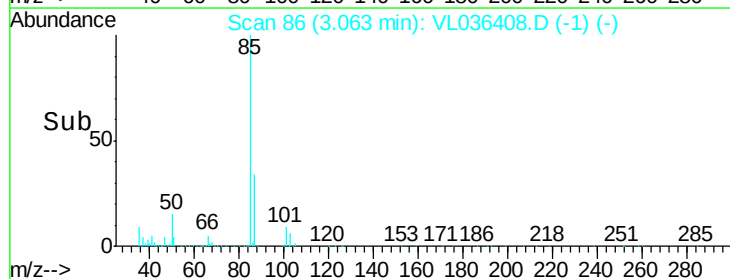
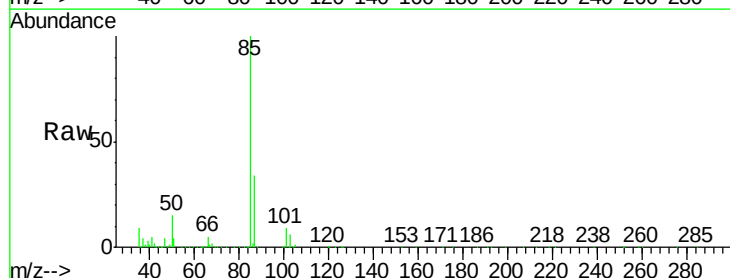
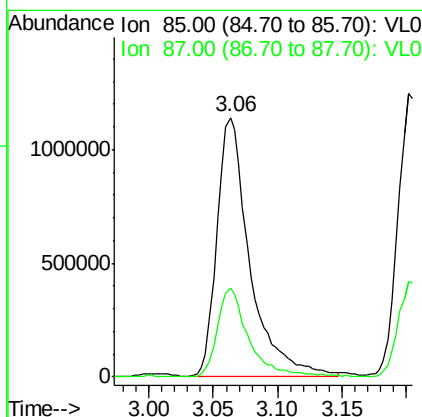
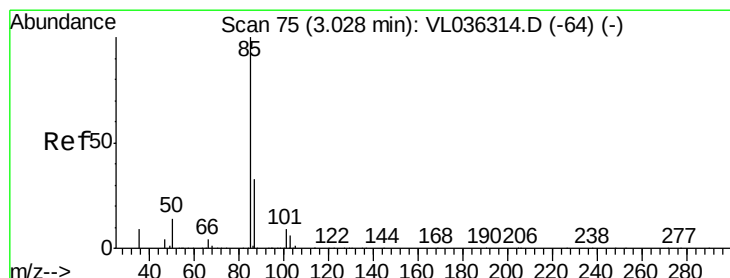
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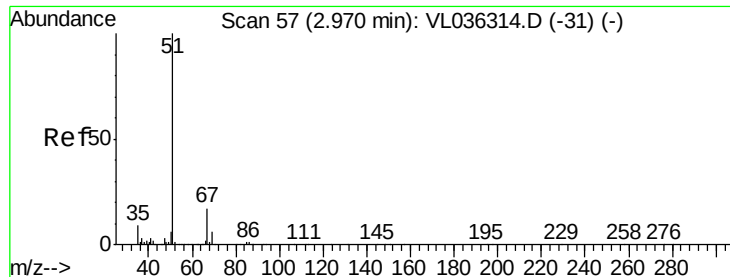
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#2
 Dichlorodifluoromethane
 Concen: 8.140 ppbv
 RT: 3.06 min Scan# 86
 Delta R.T. 0.04 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Tgt Ion: 85 Resp: 2007663
 Ion Ratio Lower Upper
 85 100
 87 34.2 26.5 39.7





#3

Chlorodifluoromethane

Concen: 9.173 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.03 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

Tgt Ion: 51 Resp: 1883523

Ion Ratio Lower Upper

51 100

67 18.0 14.7 22.1

Instrument :

MSVOA_L

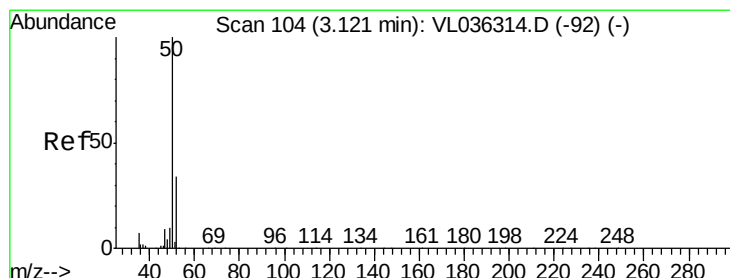
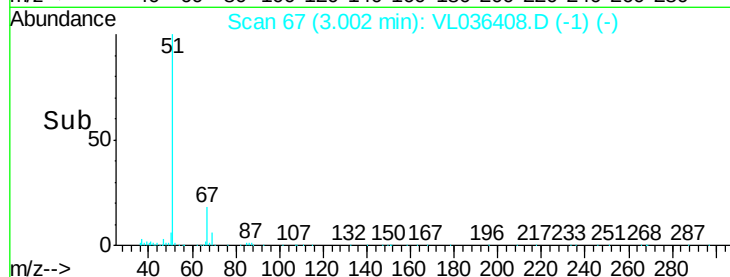
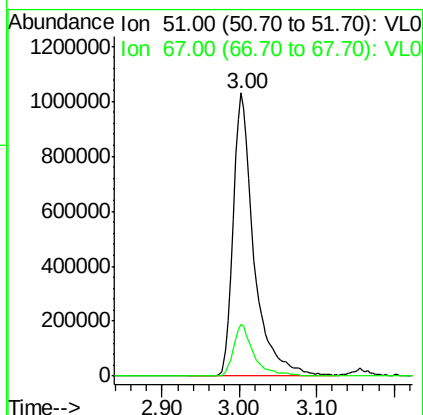
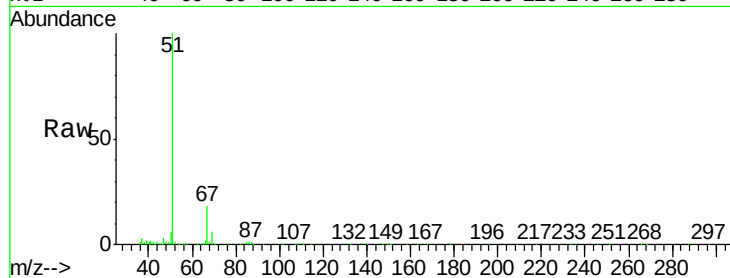
ClientSampleId :

VSTDCCC010

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#4

Chloromethane

Concen: 9.547 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.03 min

Lab File: VL036408.D

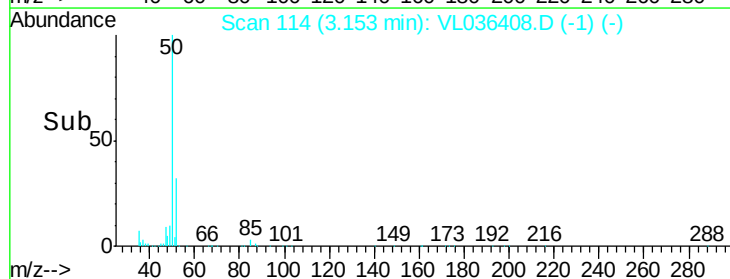
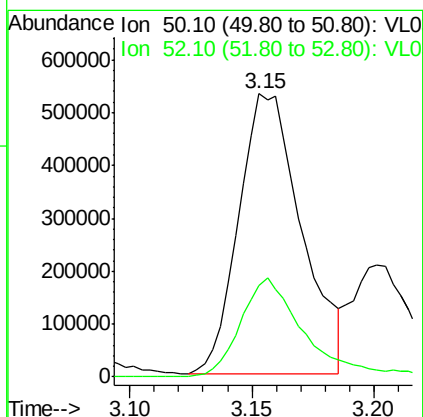
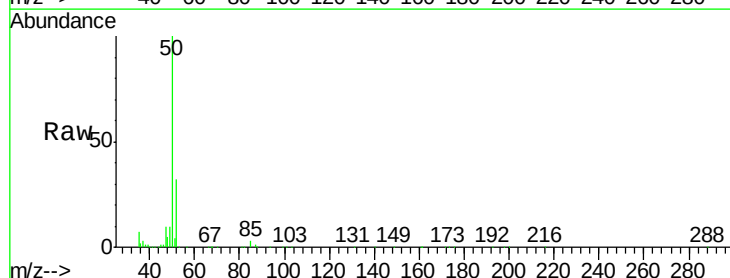
Acq: 1 Mar 2021 9:24

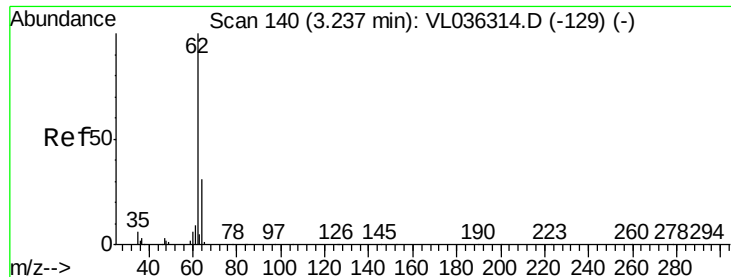
Tgt Ion: 50 Resp: 947009

Ion Ratio Lower Upper

50 100

52 32.5 27.0 40.4





#5

Vinyl Chloride

Concen: 10.142 ppbv

RT: 3.28 min Scan# 152

Delta R.T. 0.04 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 936848

Ion Ratio Lower Upper

62 100

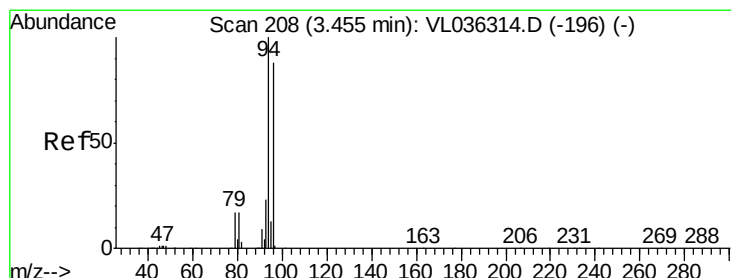
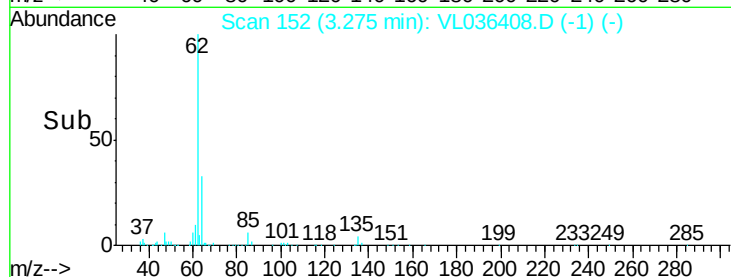
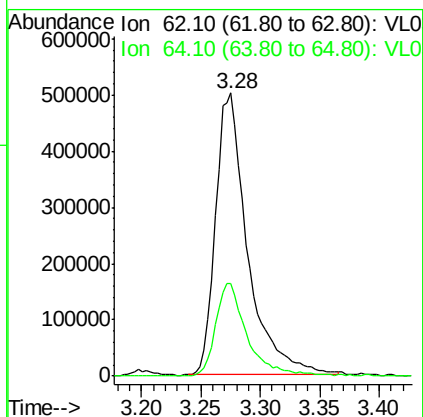
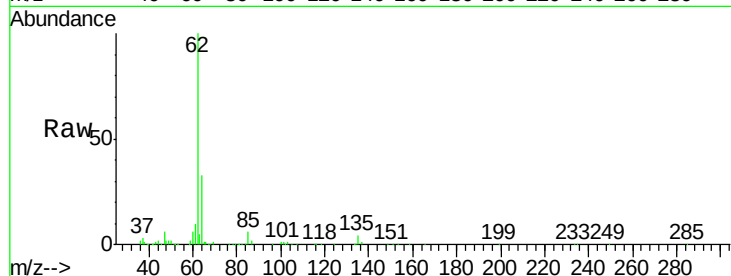
64 32.7 24.4 36.6

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#6

Bromomethane

Concen: 10.054 ppbv

RT: 3.49 min Scan# 219

Delta R.T. 0.04 min

Lab File: VL036408.D

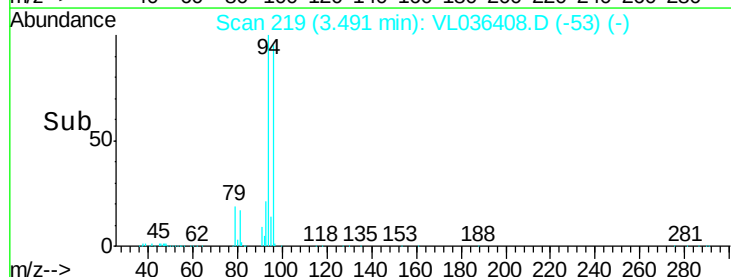
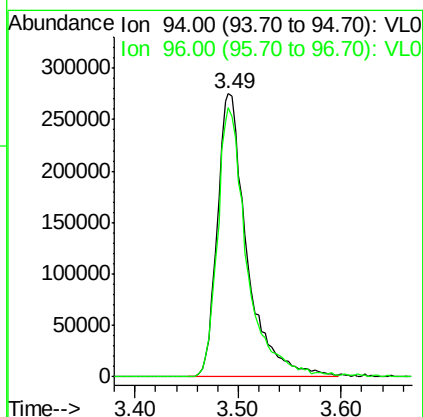
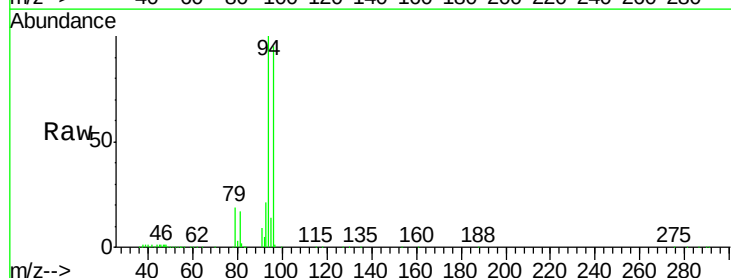
Acq: 1 Mar 2021 9:24

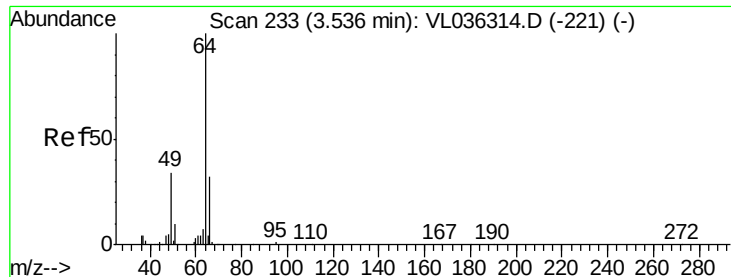
Tgt Ion: 94 Resp: 551965

Ion Ratio Lower Upper

94 100

96 95.2 70.8 106.2





#7

Chloroethane

Concen: 9.831 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.04 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 64 Resp: 322421

Ion Ratio Lower Upper

64 100

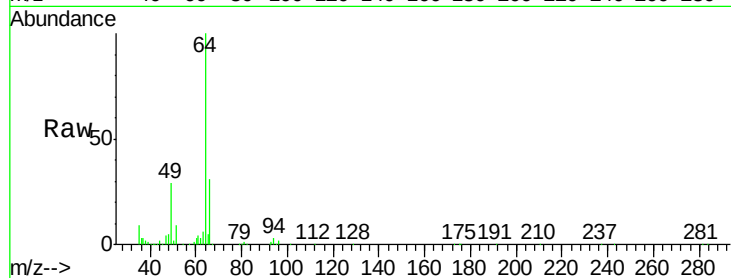
66 31.0 25.6 38.4

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.57

200000

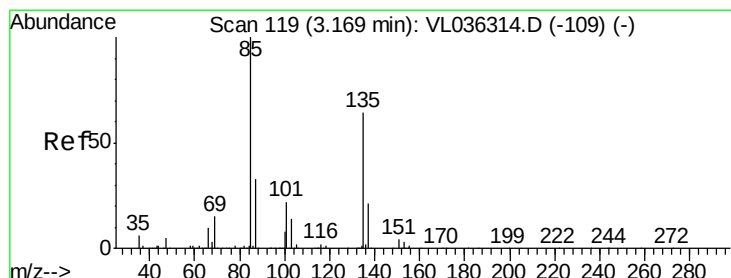
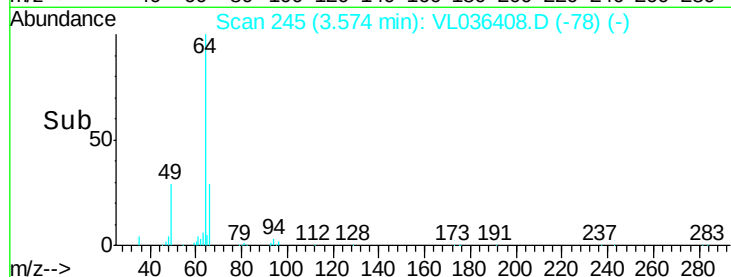
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.441 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.03 min

Lab File: VL036408.D

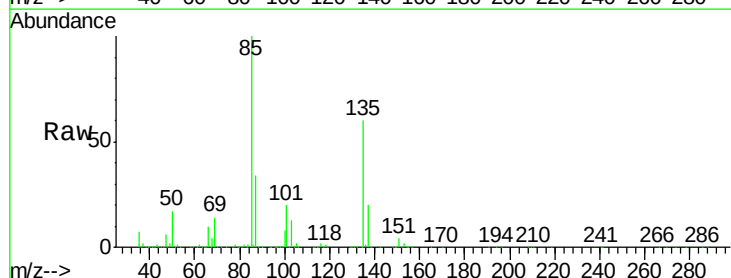
Acq: 1 Mar 2021 9:24

Tgt Ion: 85 Resp: 2117665

Ion Ratio Lower Upper

85 100

135 65.4 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

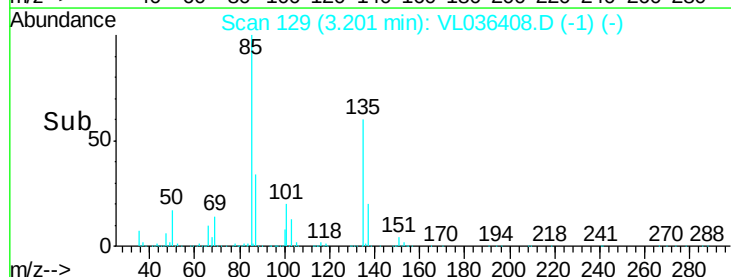
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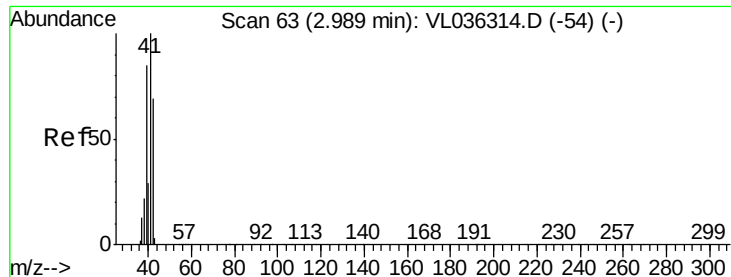
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500000

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Time-->





#9

Propene

Concen: 11.158 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.04 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 854200

Ion Ratio Lower Upper

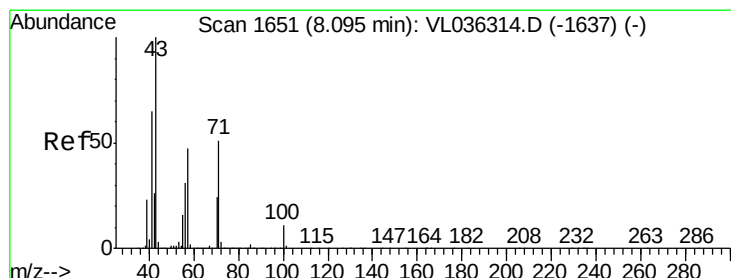
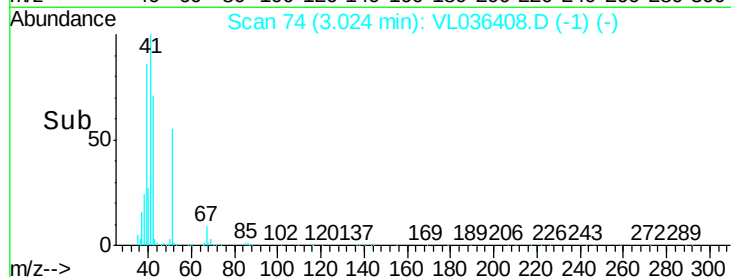
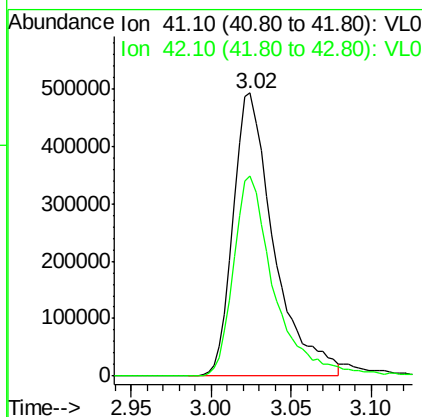
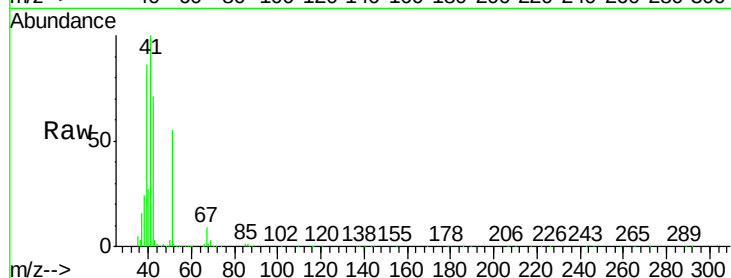
41 100

42 71.9 56.2 84.2

Manual Integrations
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#10

Heptane

Concen: 9.946 ppbv

RT: 8.15 min Scan# 1669

Delta R.T. 0.06 min

Lab File: VL036408.D

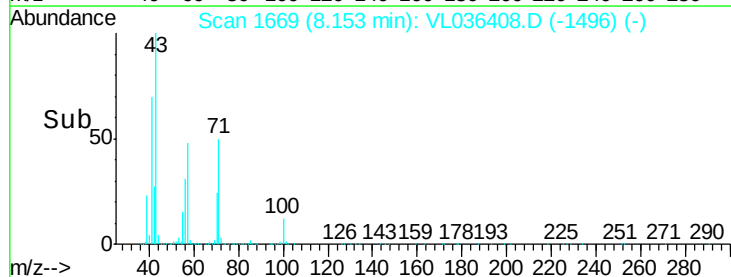
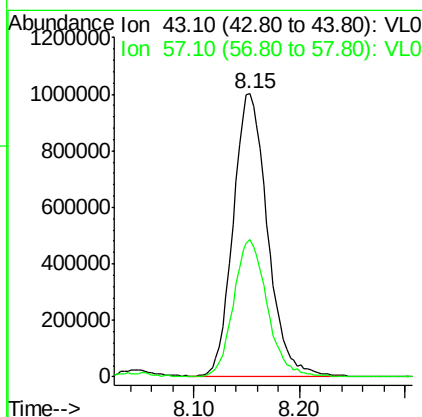
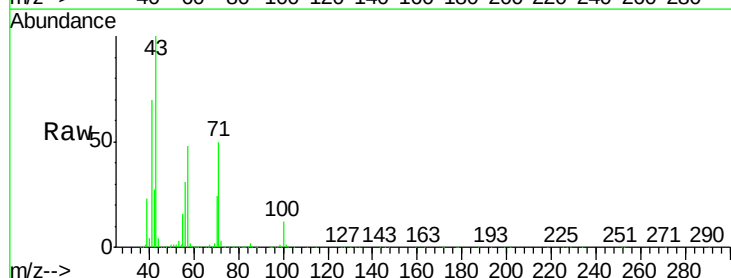
Acq: 1 Mar 2021 9:24

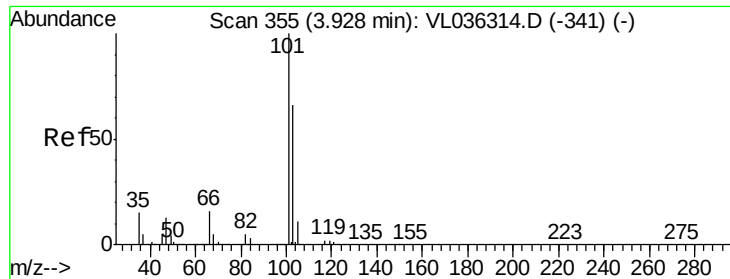
Tgt Ion: 43 Resp: 2244044

Ion Ratio Lower Upper

43 100

57 47.6 39.4 59.2





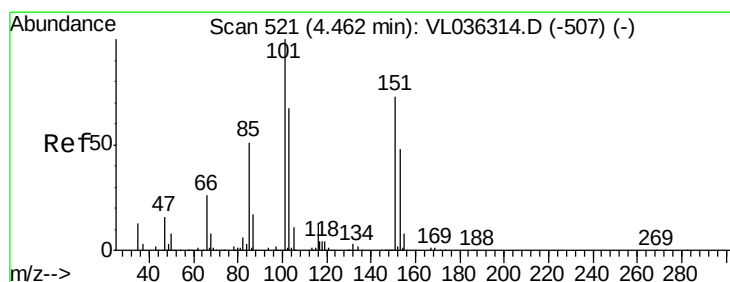
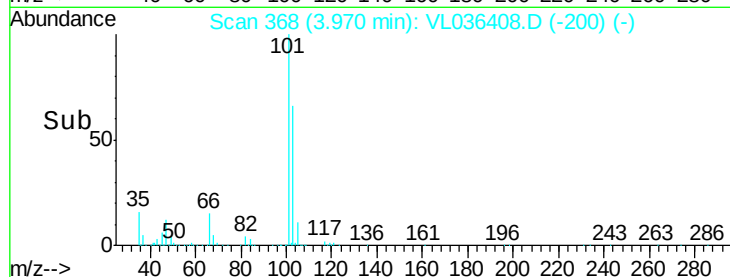
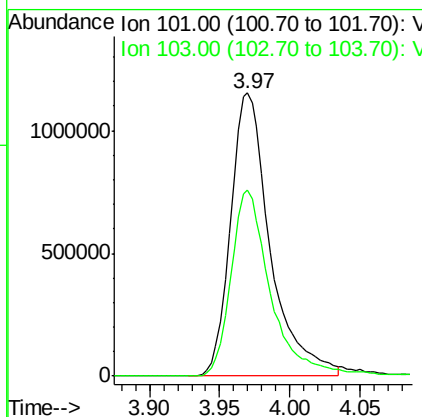
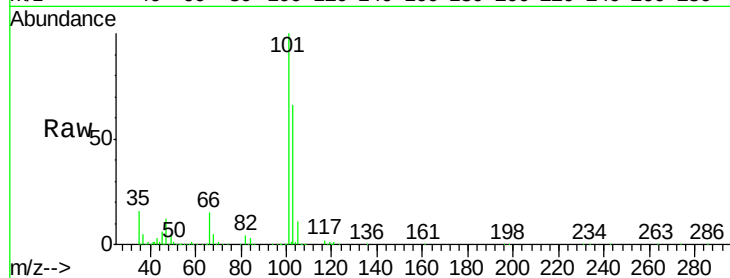
#11
 Trichlorofluoromethane
 Concen: 9.392 ppbv
 RT: 3.97 min Scan# 368
 Delta R.T. 0.04 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:101 Resp: 2268090
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.9 79.3

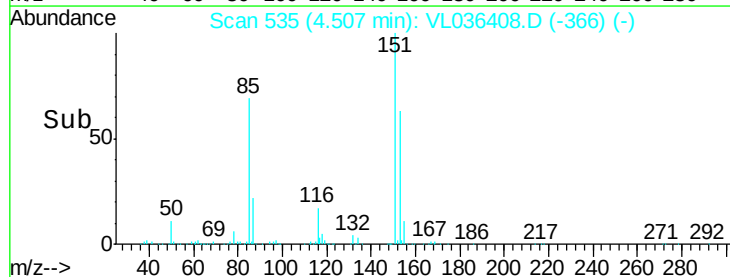
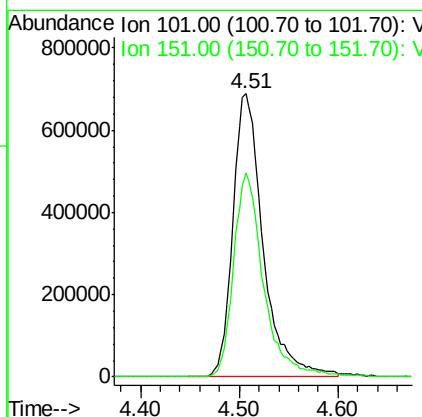
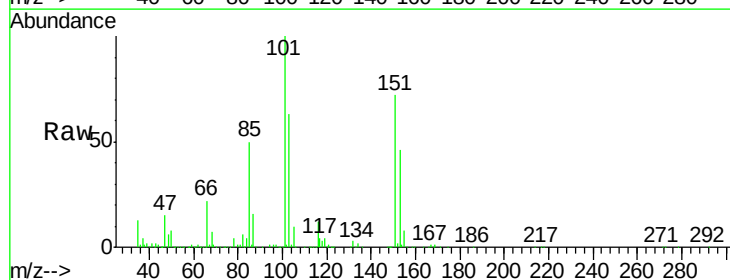
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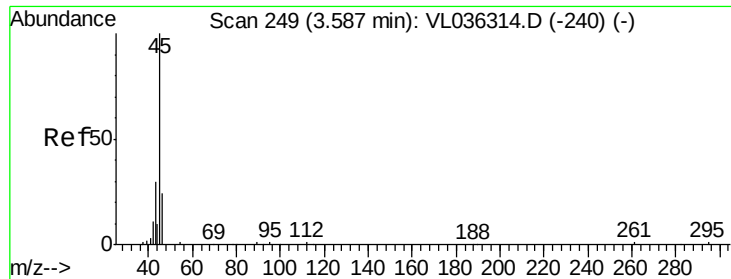
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.837 ppbv
 RT: 4.51 min Scan# 535
 Delta R.T. 0.04 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Tgt Ion:101 Resp: 1471617
 Ion Ratio Lower Upper
 101 100
 151 71.6 58.2 87.4





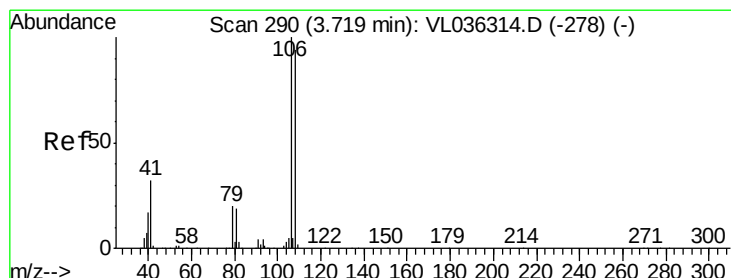
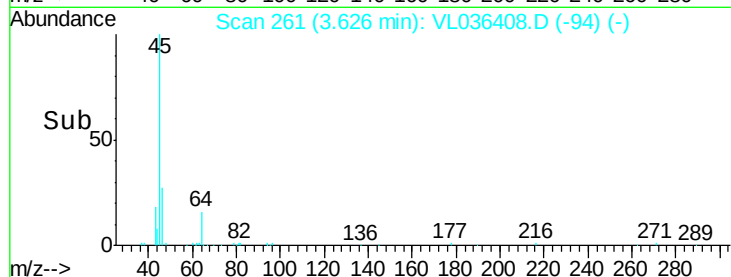
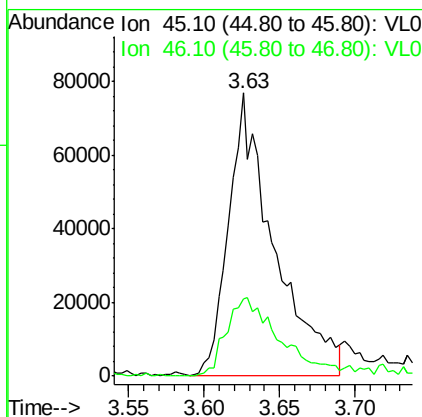
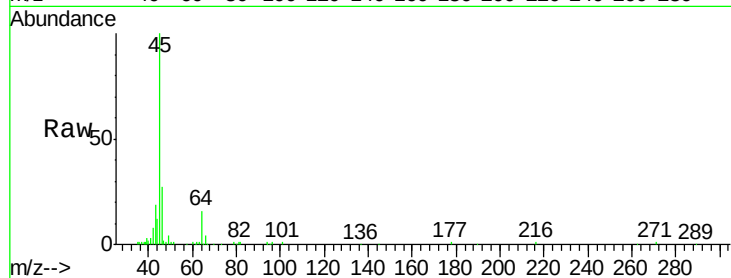
#13
Ethanol
Concen: 11.244 ppbv m
RT: 3.63 min Scan# 261
Delta R.T. 0.04 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 161675
Ion Ratio Lower Upper
45 100
46 0.0 17.7 70.7#

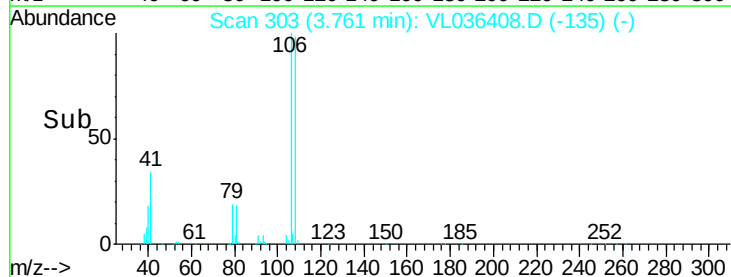
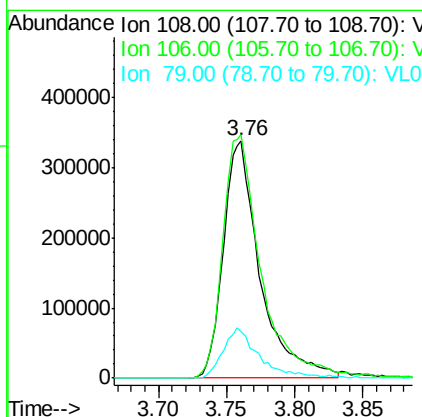
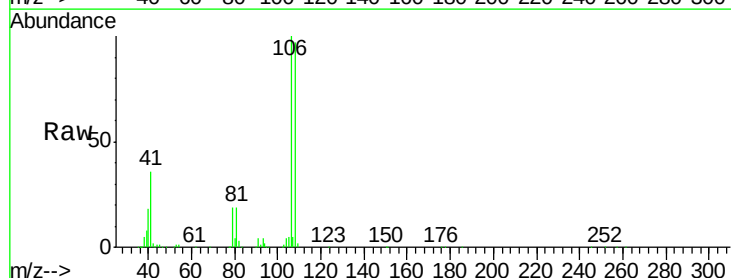
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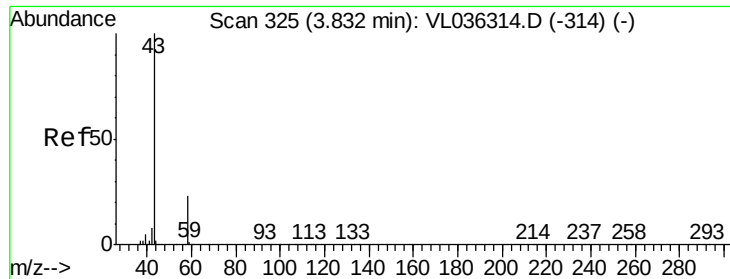
MMDadoda
3/2/2021 3:29:58 PM



#14
Bromoethene
Concen: 10.099 ppbv
RT: 3.76 min Scan# 303
Delta R.T. 0.04 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Tgt Ion: 108 Resp: 632285
Ion Ratio Lower Upper
108 100
106 108.5 89.8 134.8
79 21.3 17.1 25.7





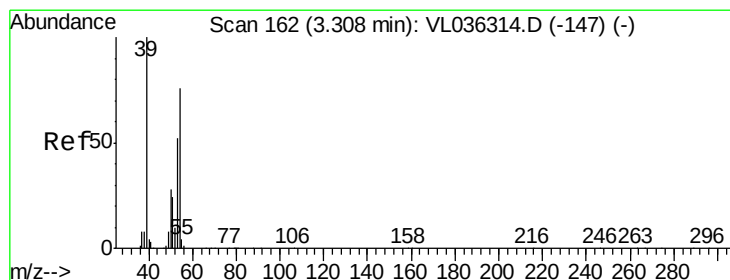
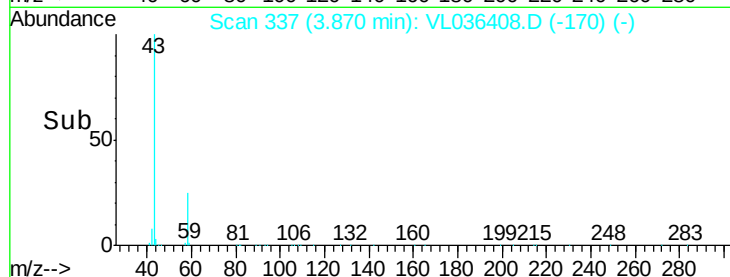
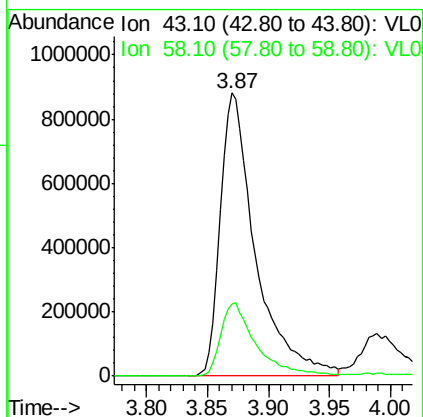
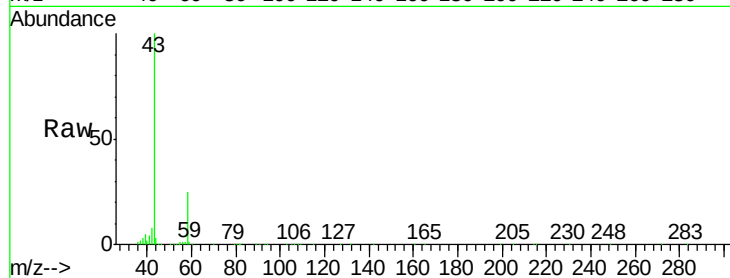
#15
Acetone
Concen: 8.818 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.04 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1781286
Ion Ratio Lower Upper
43 100
58 26.1 20.3 30.5

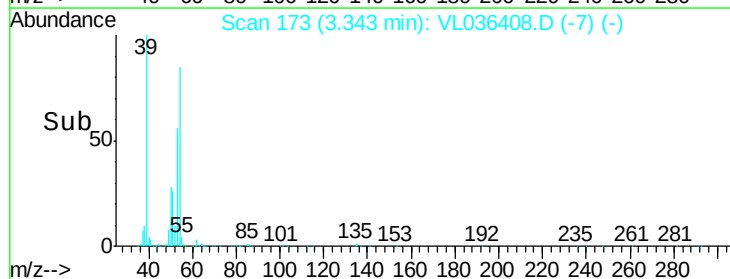
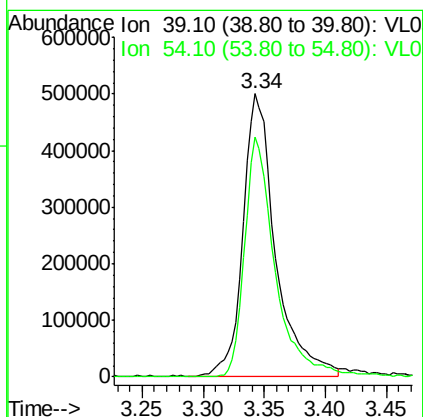
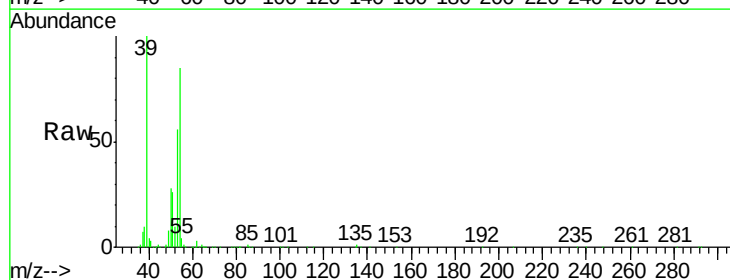
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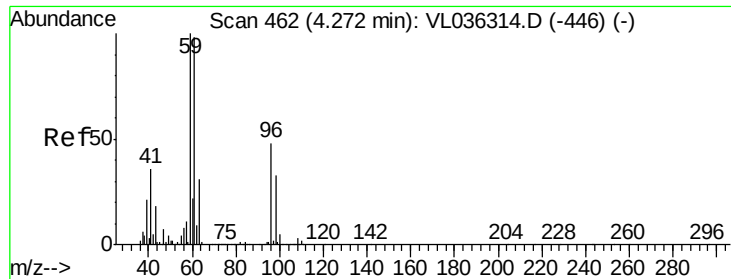
MMDadoda
3/2/2021 3:29:58 PM



#16
1,3-Butadiene
Concen: 9.467 ppbv
RT: 3.34 min Scan# 173
Delta R.T. 0.04 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Tgt Ion: 39 Resp: 914465
Ion Ratio Lower Upper
39 100
54 80.8 64.4 96.6





#17

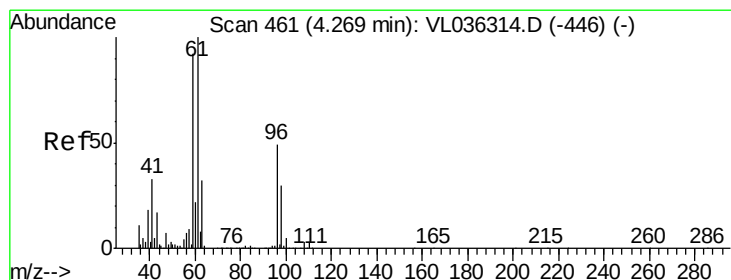
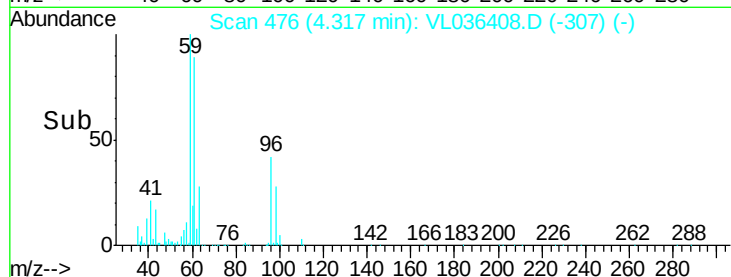
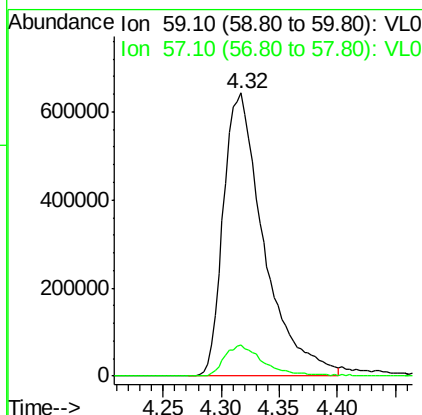
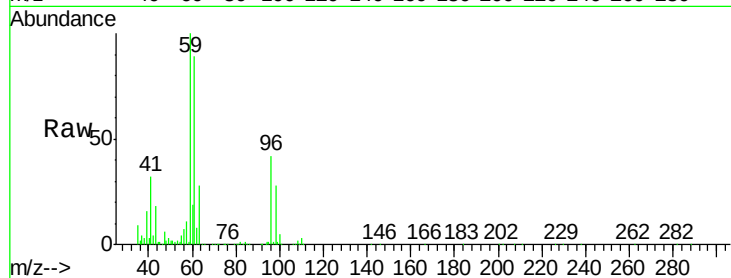
tert-Butyl alcohol
Concen: 9.950 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.04 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1560217
Ion Ratio Lower Upper
59 100
57 11.2 9.0 13.4

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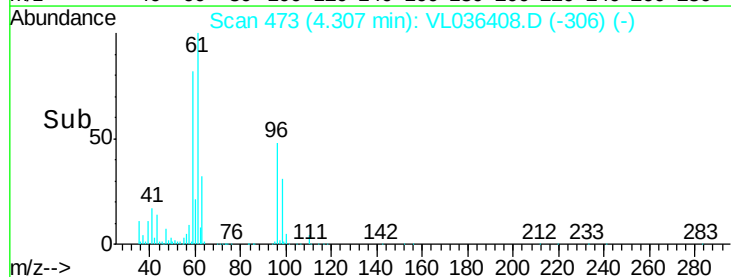
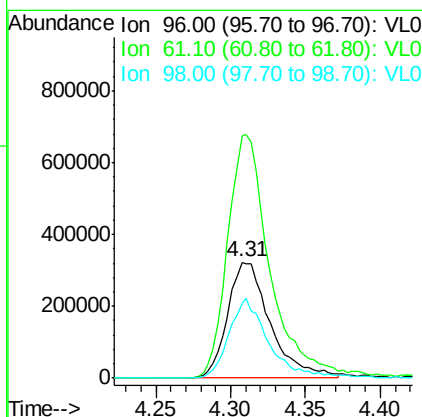
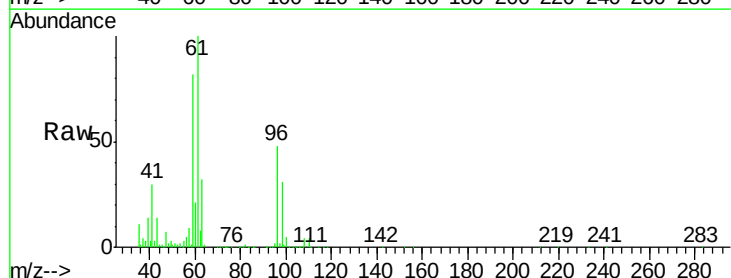
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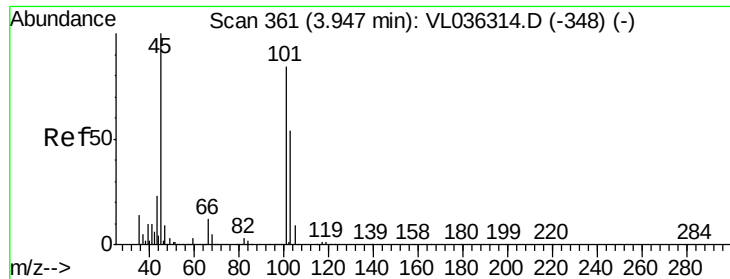


#18

1,1-Dichloroethene
Concen: 9.386 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.04 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Tgt Ion: 96 Resp: 638095
Ion Ratio Lower Upper
96 100
61 209.2 162.5 243.7
98 64.6 48.5 72.7





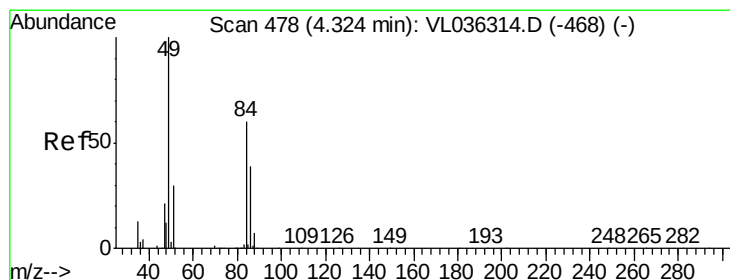
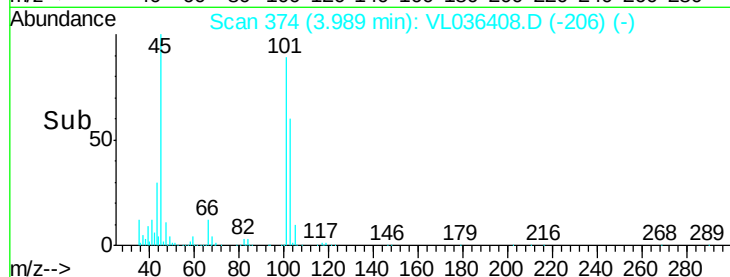
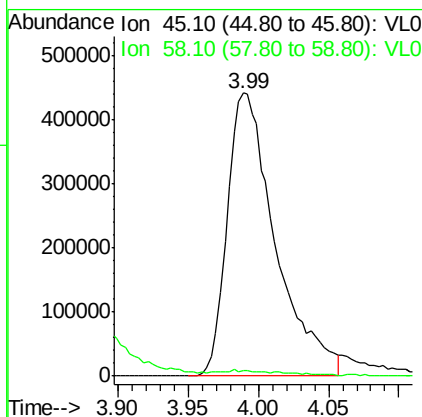
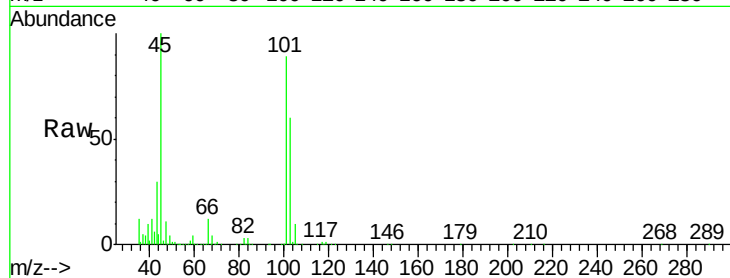
#19
Isopropyl Alcohol
Concen: 9.405 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.04 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 1052490
Ion Ratio Lower Upper
45 100
58 2.4 1.9 2.9

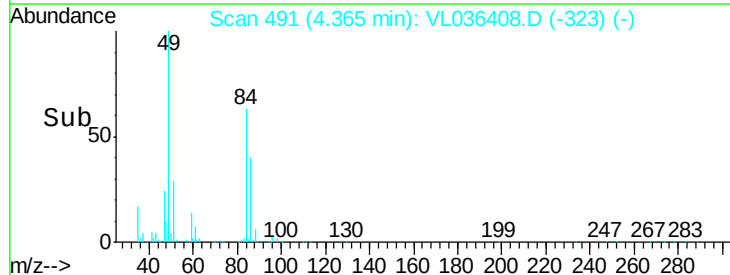
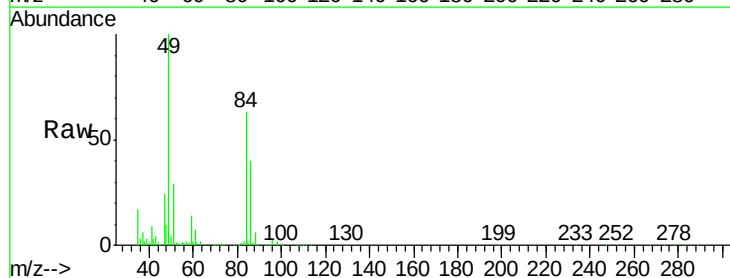
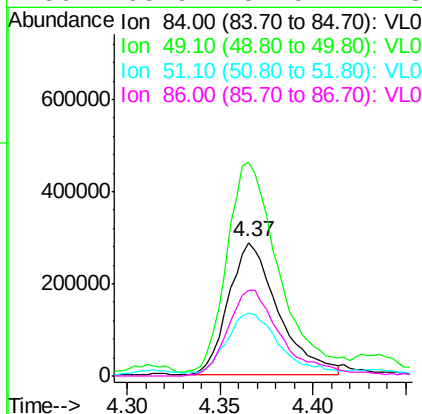
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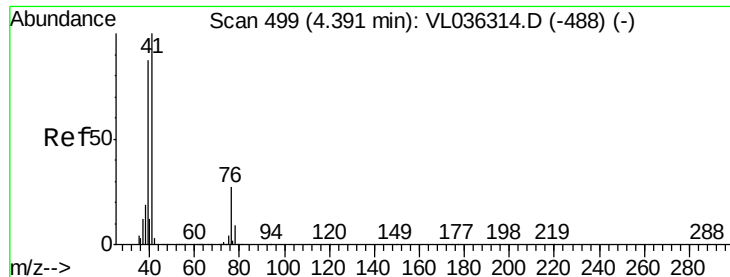
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#20
Methylene Chloride
Concen: 8.255 ppbv
RT: 4.37 min Scan# 491
Delta R.T. 0.04 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Tgt Ion: 84 Resp: 538004
Ion Ratio Lower Upper
84 100
49 156.8 133.8 200.8
51 44.6 41.4 62.0
86 63.9 51.5 77.3





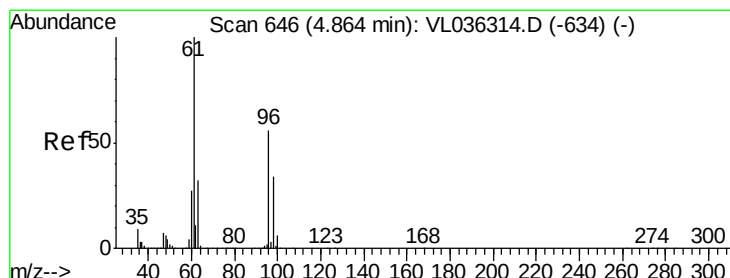
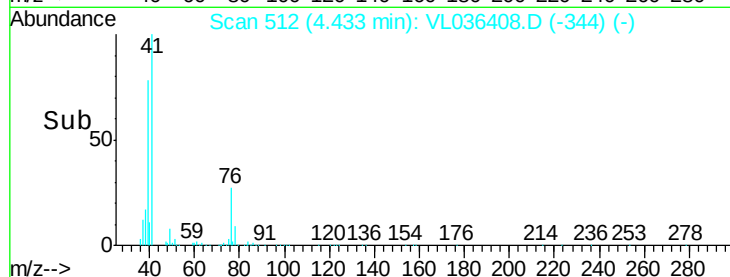
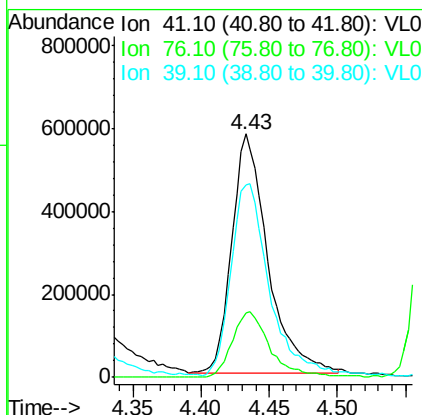
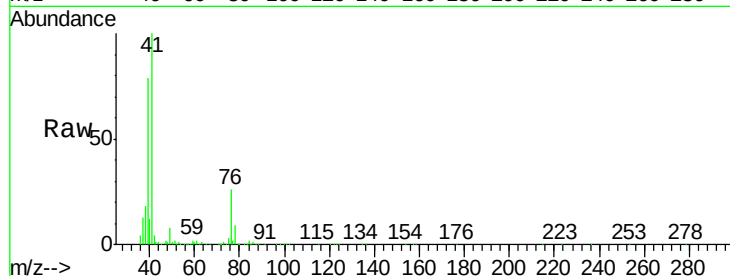
#21
 Allyl Chloride
 Concen: 9.385 ppbv
 RT: 4.43 min Scan# 512
 Delta R.T. 0.04 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 1055463
 Ion Ratio Lower Upper
 41 100
 76 29.1 22.0 33.0
 39 86.9 70.2 105.2

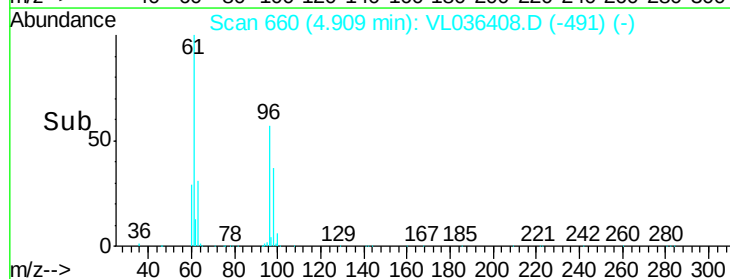
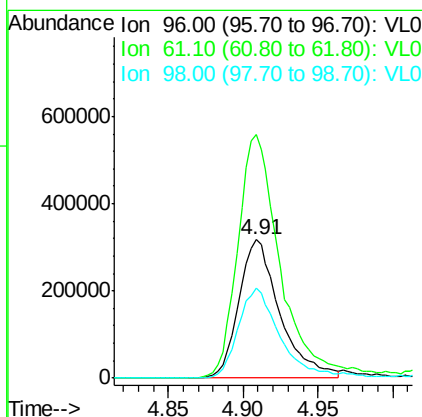
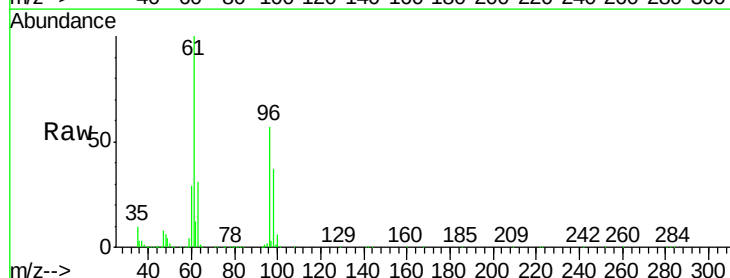
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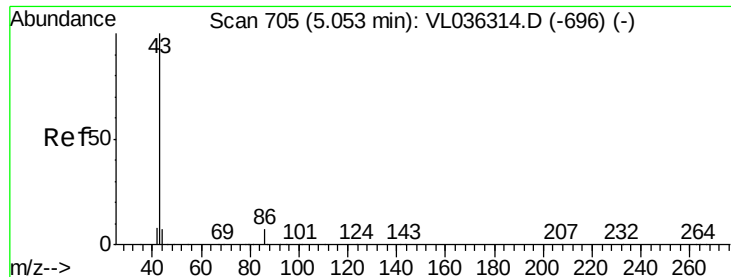
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#22
 trans-1,2-Dichloroethene
 Concen: 9.835 ppbv
 RT: 4.91 min Scan# 660
 Delta R.T. 0.04 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Tgt Ion: 96 Resp: 607384
 Ion Ratio Lower Upper
 96 100
 61 175.9 143.7 215.5
 98 64.9 48.5 72.7





#23

Vinyl Acetate

Concen: 10.241 ppbv

RT: 5.10 min Scan# 719

Delta R.T. 0.04 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2432255

Ion Ratio Lower Upper

43 100

86 6.2 4.8 7.2

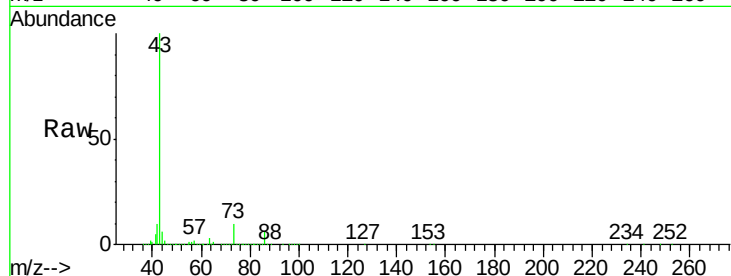
42 9.7 7.4 11.0

44 5.3 4.8 7.2

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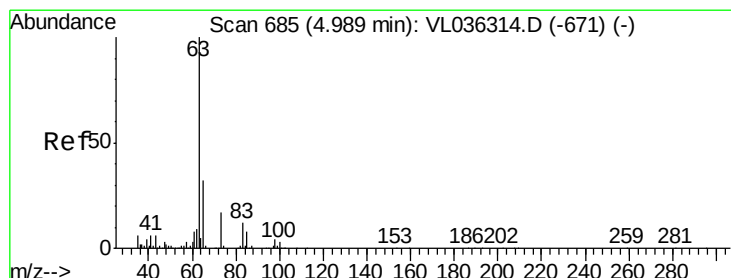
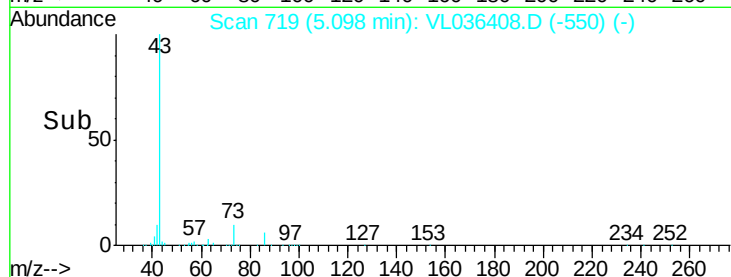
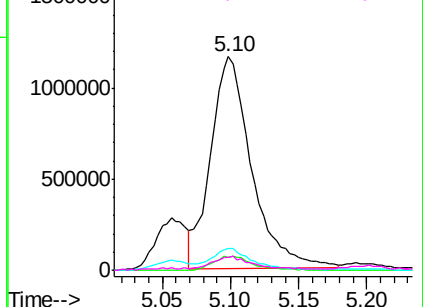


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.026 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.04 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

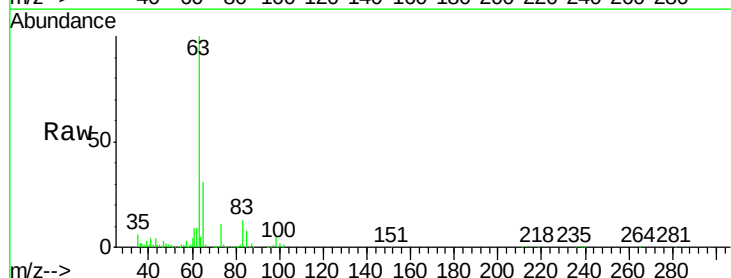
Tgt Ion: 63 Resp: 1761040

Ion Ratio Lower Upper

63 100

98 4.7 2.0 6.0

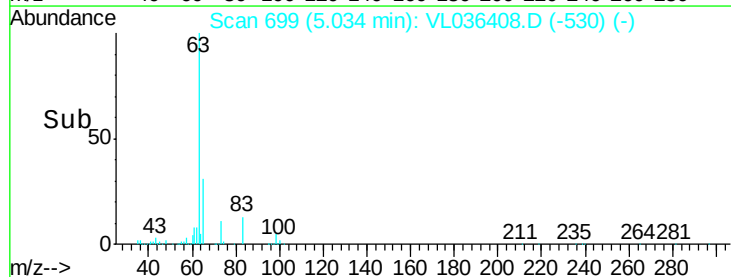
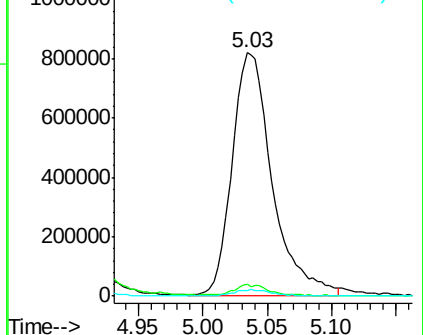
100 2.2 1.5 4.4

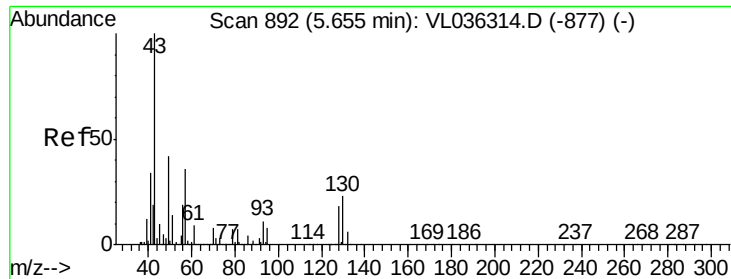


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





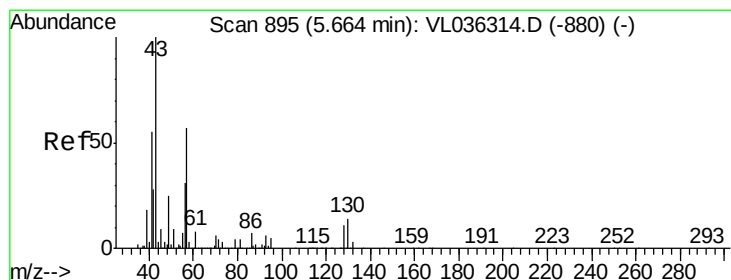
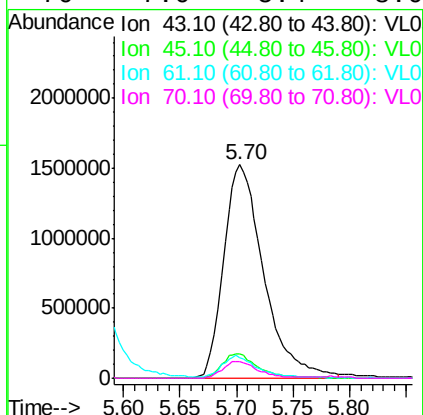
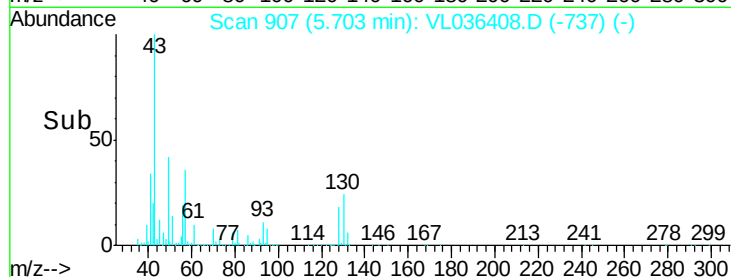
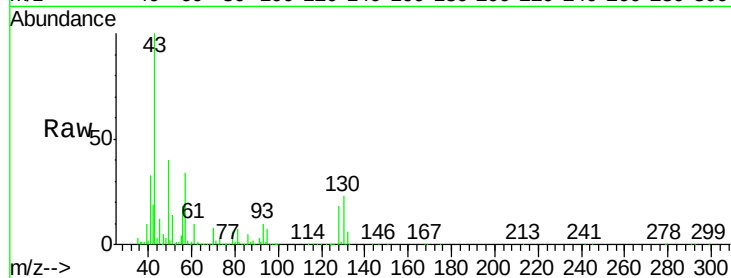
#25
Ethyl Acetate
Concen: 9.566 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.05 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.3	12.5
61	9.2	7.3	10.9
70	7.0	5.4	8.0

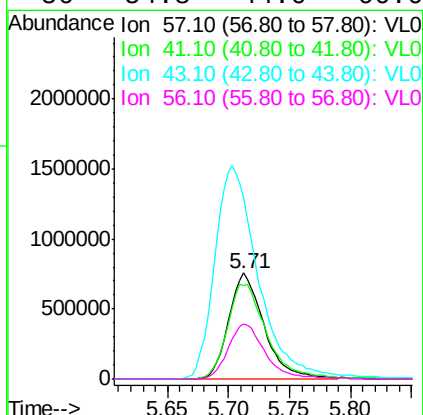
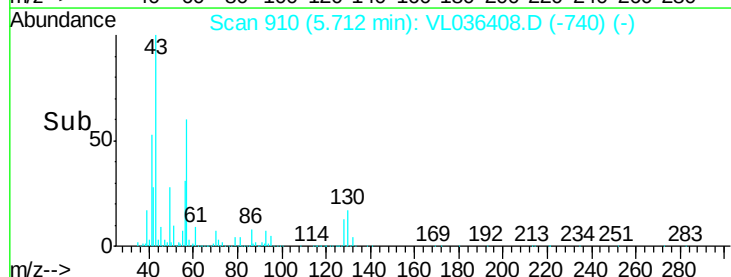
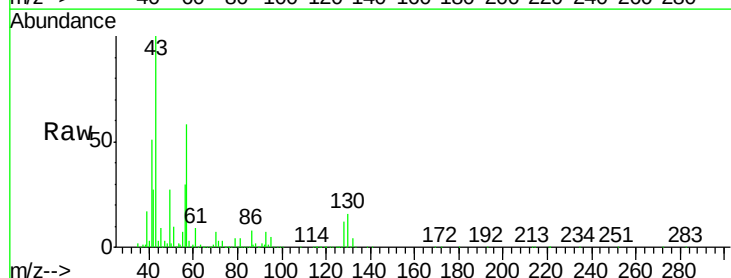
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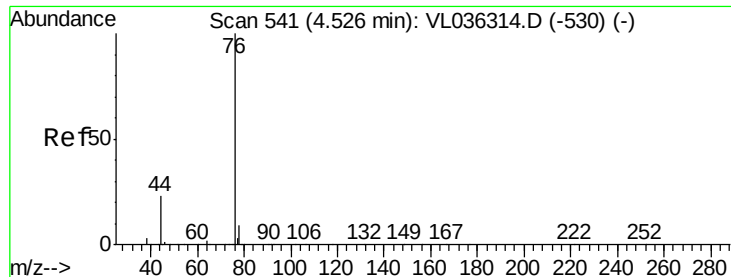
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#26
Hexane
Concen: 9.577 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.05 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Tgt Ion	Ratio	Lower	Upper
57	100		
41	99.6	81.7	122.5
43	248.1	199.1	298.7
56	54.8	44.0	66.0





#27

Carbon Disulfide

Concen: 11.037 ppbv

RT: 4.57 min Scan# 556

Delta R.T. 0.05 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 76 Resp: 1625355

Ion Ratio Lower Upper

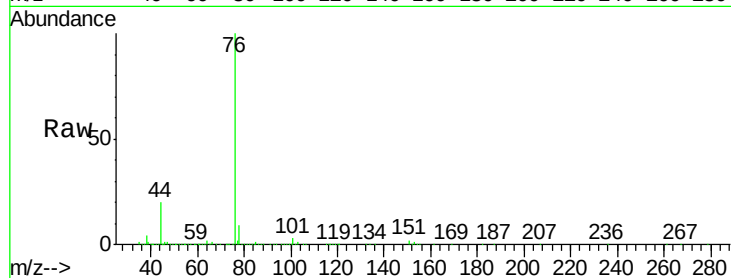
76 100

44 21.5 18.4 27.6

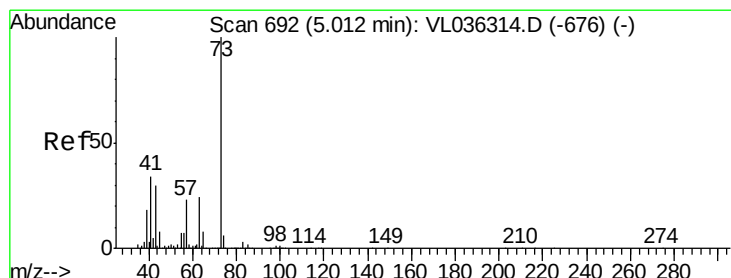
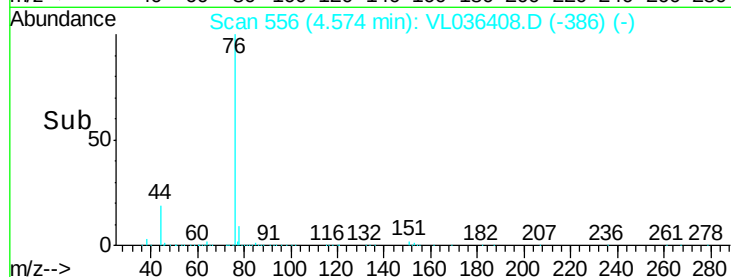
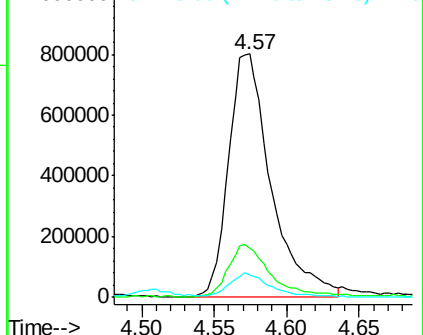
78 10.4 8.0 12.0

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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.354 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.04 min

Lab File: VL036408.D

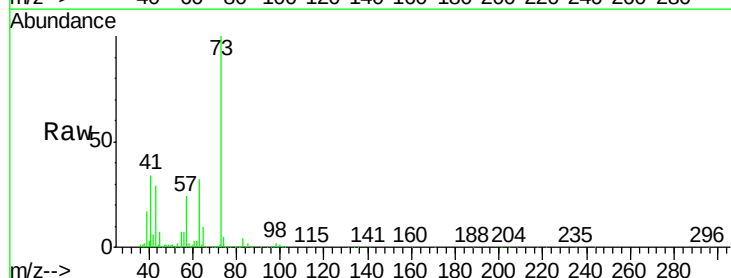
Acq: 1 Mar 2021 9:24

Tgt Ion: 73 Resp: 2167257

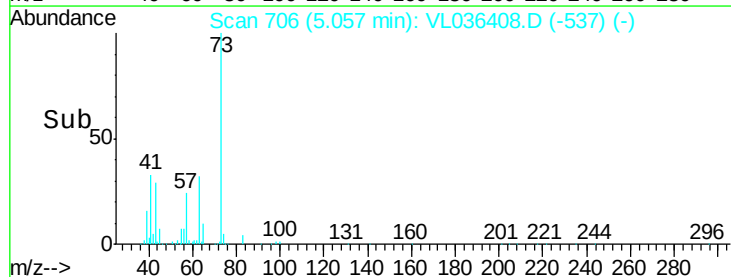
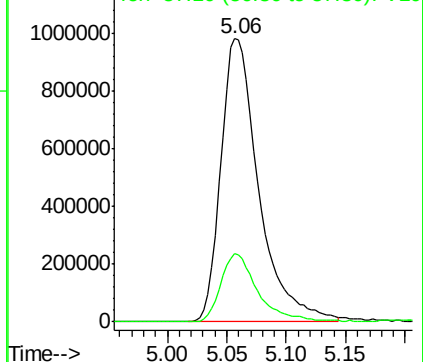
Ion Ratio Lower Upper

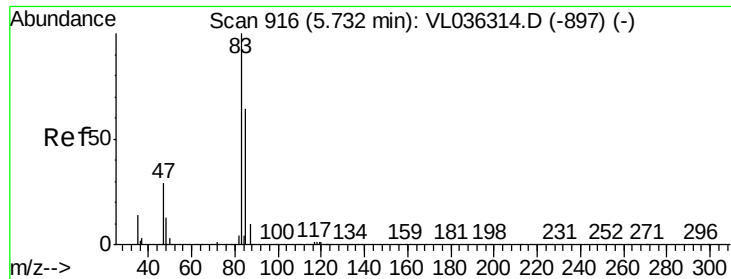
73 100

57 23.6 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





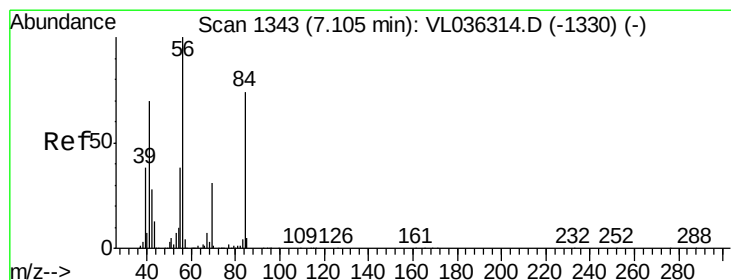
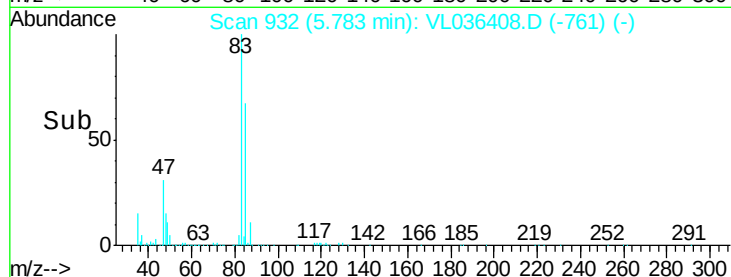
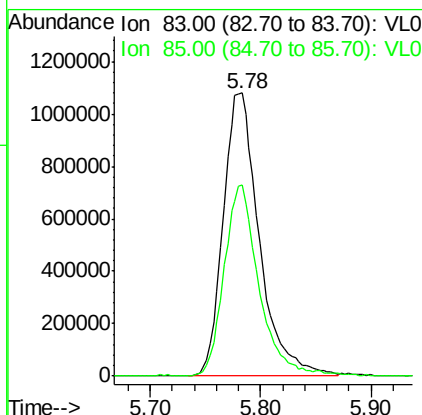
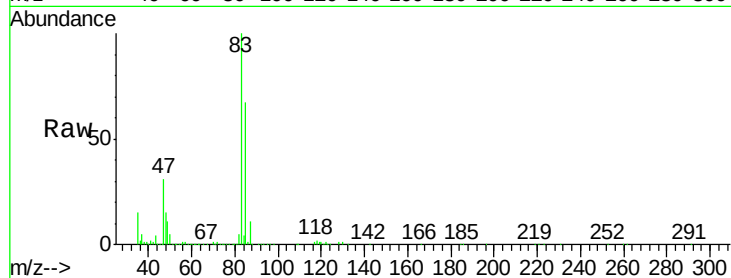
#29
Chloroform
Concen: 9.459 ppbv
RT: 5.78 min Scan# 932
Delta R.T. 0.05 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2441590
Ion Ratio Lower Upper
83 100
85 67.3 51.4 77.2

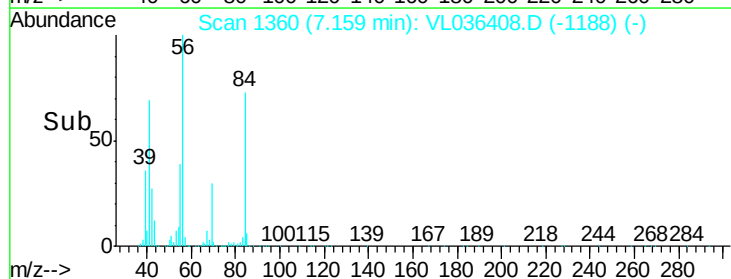
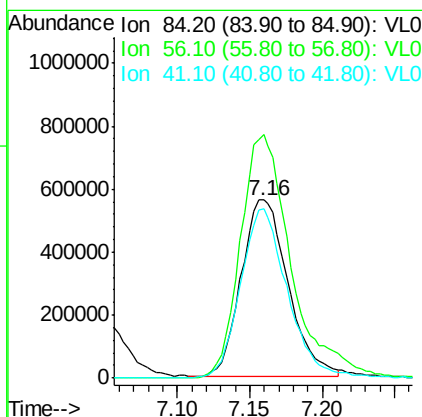
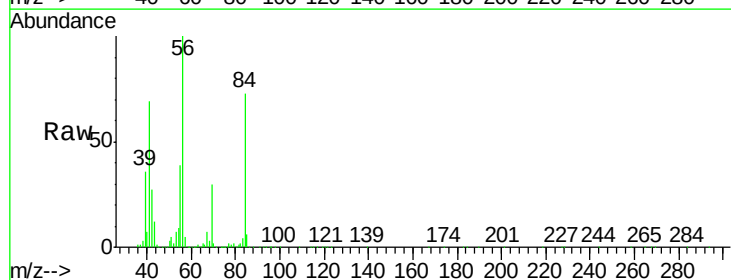
Manual Integrations
APPROVED

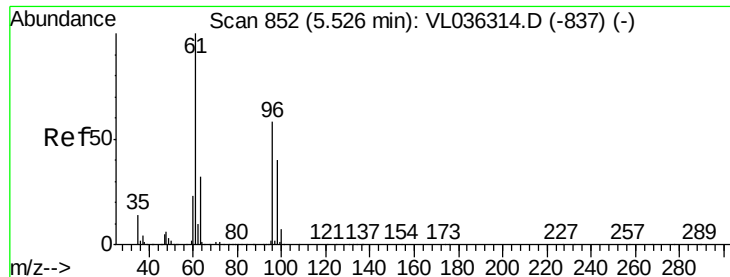
MMDadoda
3/2/2021 3:29:58 PM



#30
Cyclohexane
Concen: 9.541 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.05 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Tgt Ion: 84 Resp: 1271364
Ion Ratio Lower Upper
84 100
56 149.3 120.2 180.4
41 95.2 79.7 119.5





#31

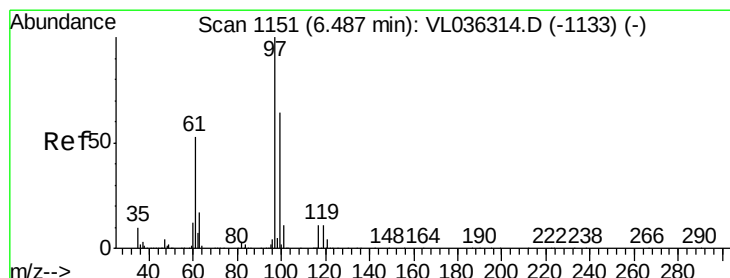
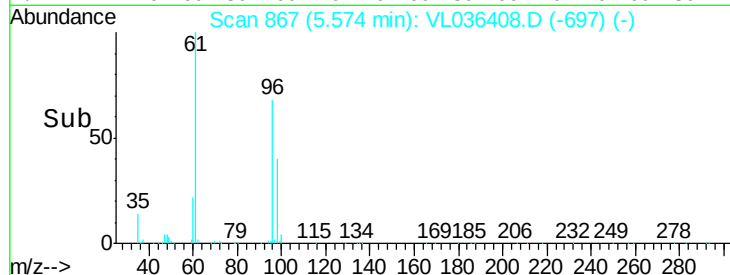
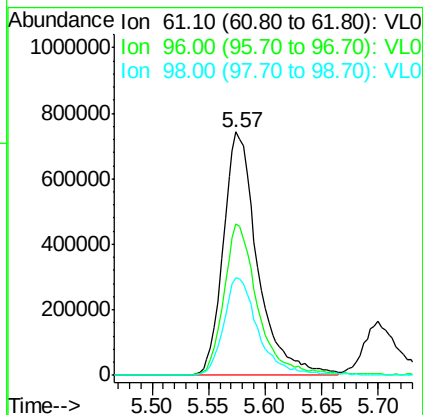
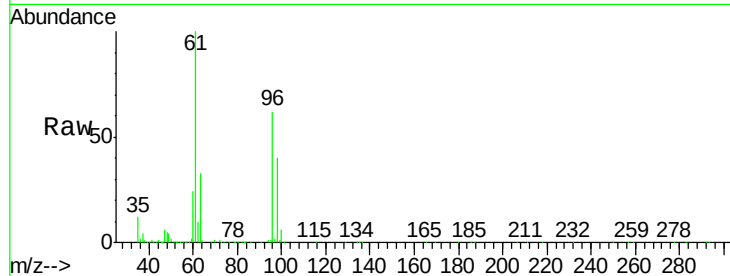
cis-1,2-Dichloroethene
Concen: 9.862 ppbv
RT: 5.57 min Scan# 867
Delta R.T. 0.05 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
61	100		
96	62.0	46.0	69.0
98	39.9	31.9	47.9

Manual Integrations
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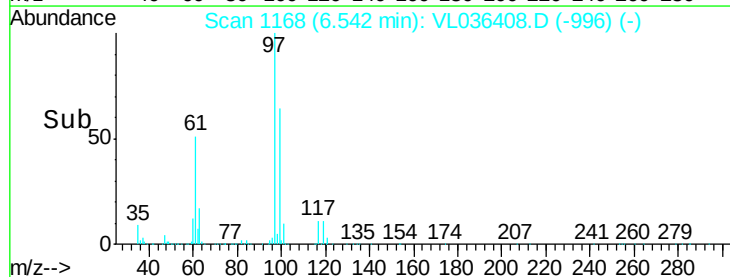
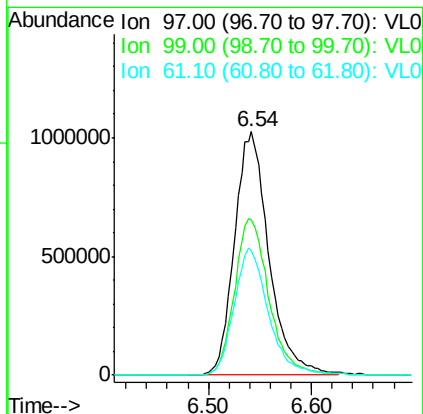
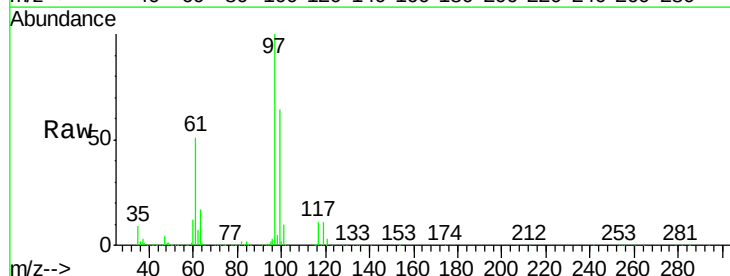
MMDadoda
3/2/2021 3:29:58 PM

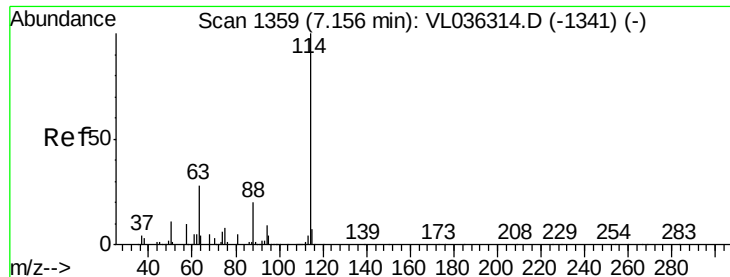


#32

1,1,1-Trichloroethane
Concen: 9.872 ppbv
RT: 6.54 min Scan# 1168
Delta R.T. 0.05 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.2	78.4
61	52.1	43.3	64.9





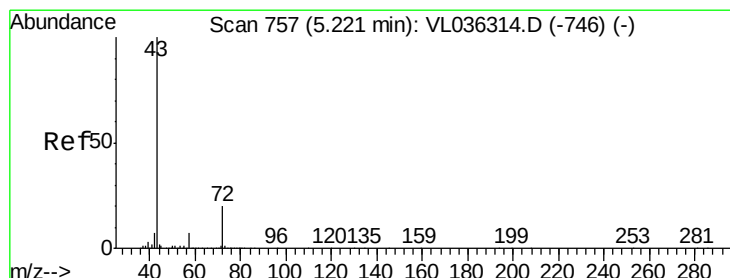
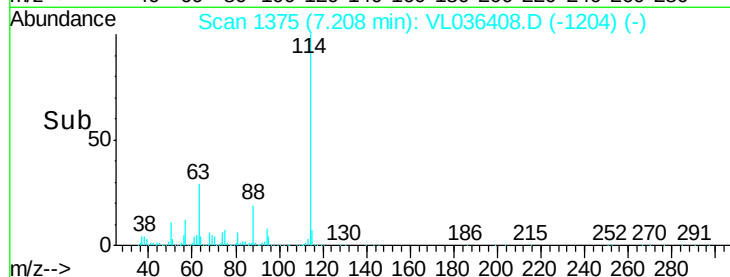
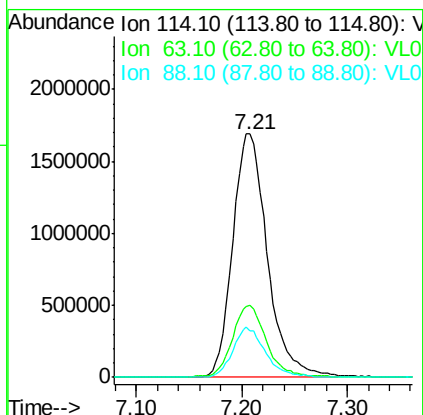
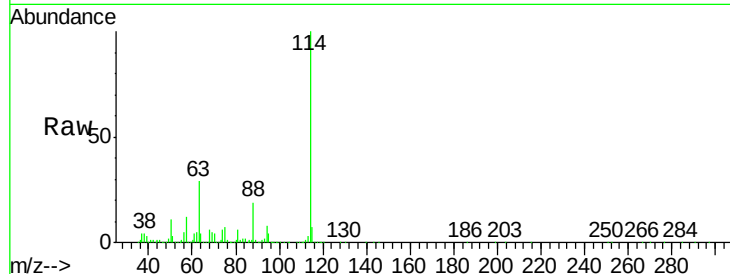
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. 0.05 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 114 Resp: 3856673
 Ion Ratio Lower Upper
 114 100
 63 29.5 24.1 36.1
 88 19.6 16.0 24.0

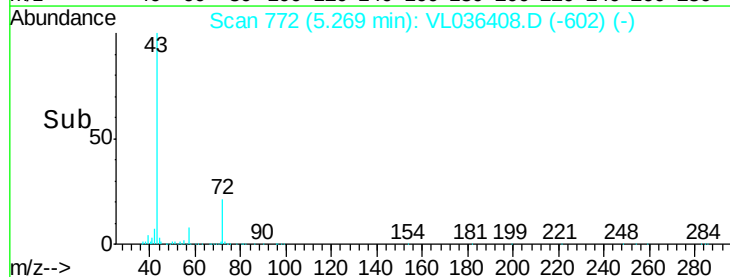
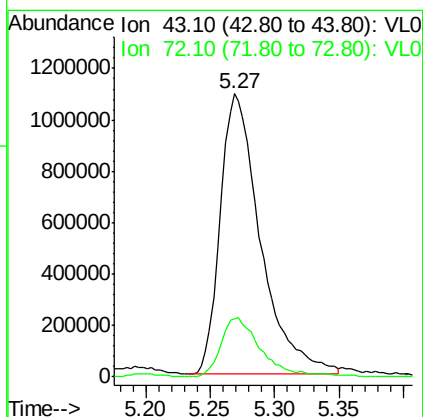
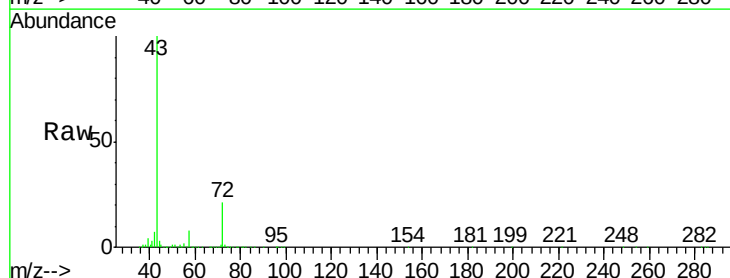
Manual Integrations
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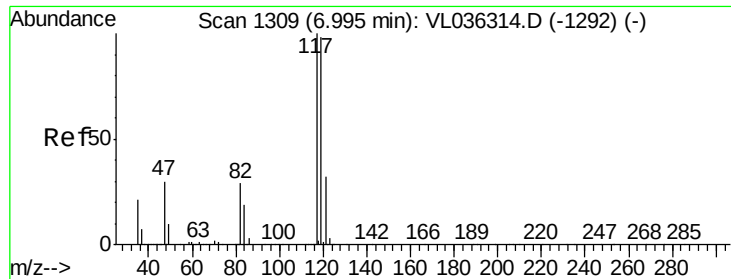
MMDadoda
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#34
 2-Butanone
 Concen: 9.238 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. 0.05 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Tgt Ion: 43 Resp: 2367260
 Ion Ratio Lower Upper
 43 100
 72 21.2 16.7 25.1





#35

Carbon Tetrachloride

Concen: 9.339 ppbv

RT: 7.05 min Scan# 1326

Delta R.T. 0.05 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 117 Resp: 2413932

Ion Ratio Lower Upper

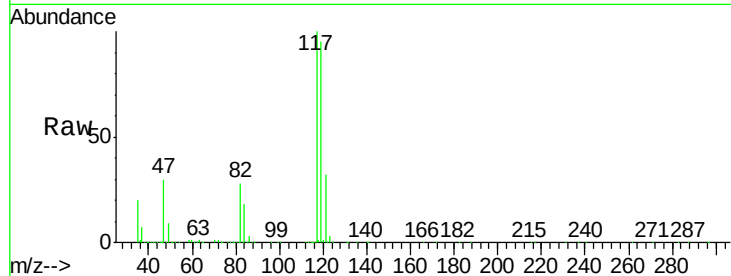
117 100

119 94.8 78.1 117.1

121 31.7 25.8 38.8

Manual Integrations
APPROVED

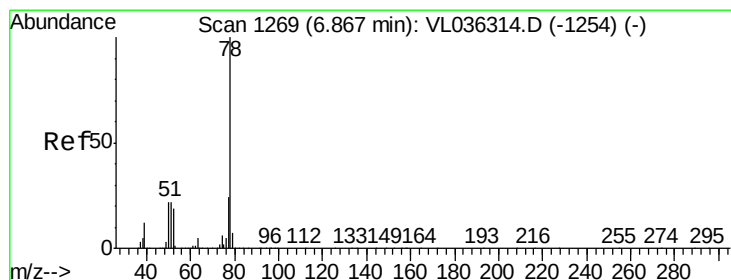
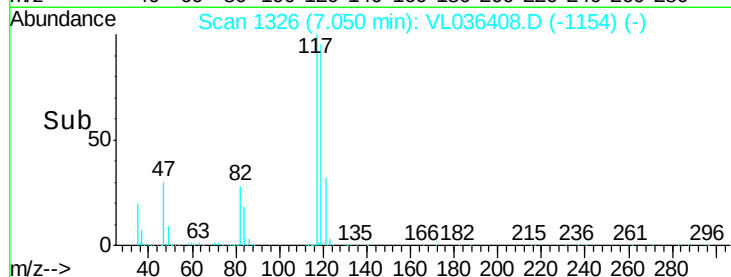
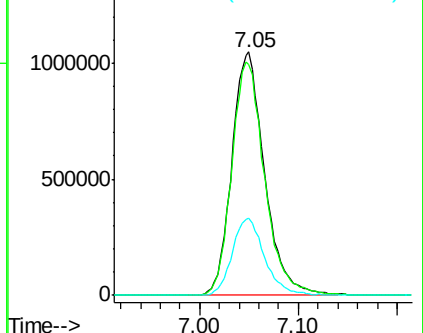
MMDadoda
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.756 ppbv

RT: 6.92 min Scan# 1286

Delta R.T. 0.05 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

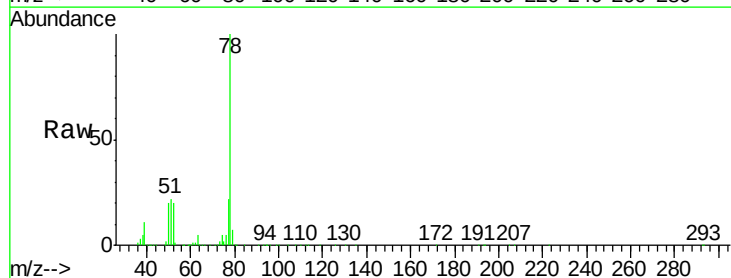
Tgt Ion: 78 Resp: 3196120

Ion Ratio Lower Upper

78 100

77 22.0 18.9 28.3

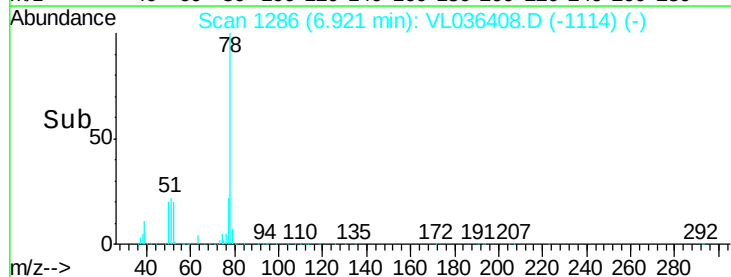
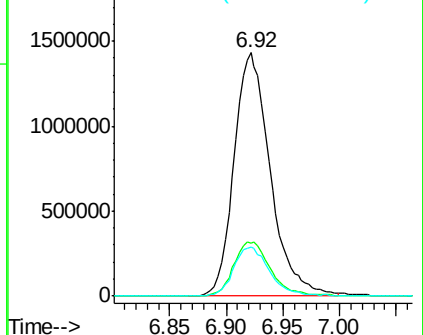
50 20.1 17.3 25.9

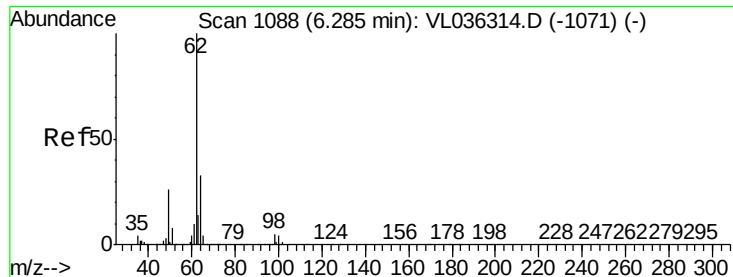


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





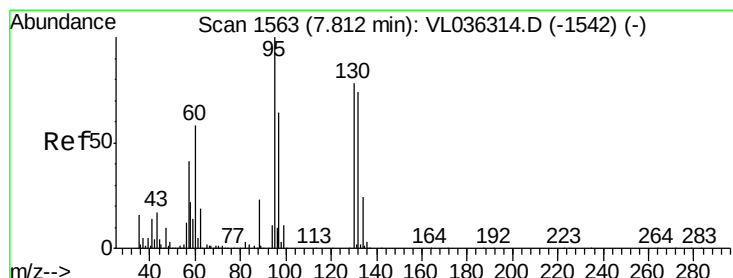
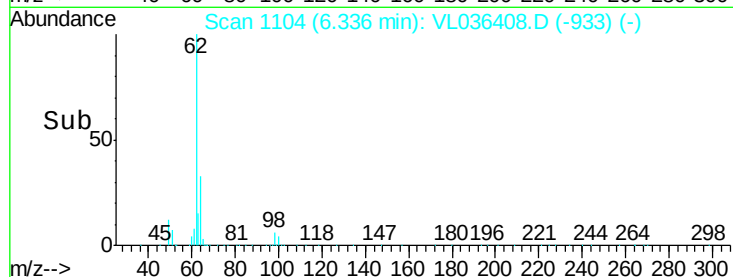
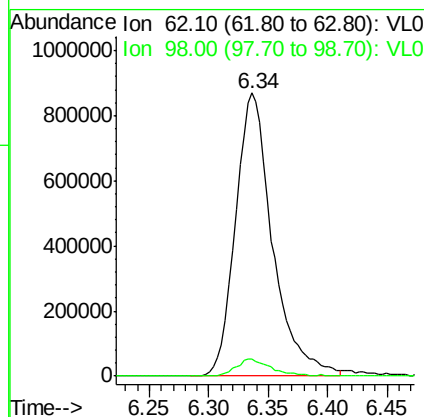
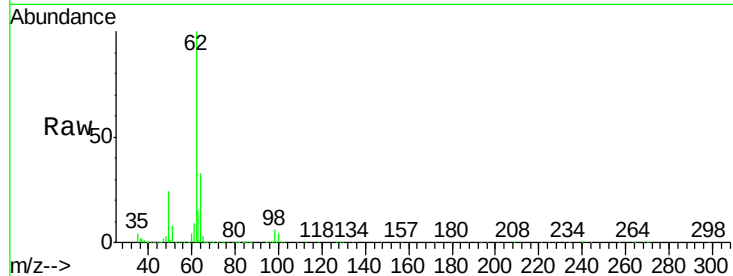
#37
 1,2-Dichloroethane
 Concen: 9.252 ppbv
 RT: 6.34 min Scan# 1104
 Delta R.T. 0.05 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 1873947
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.5 6.7

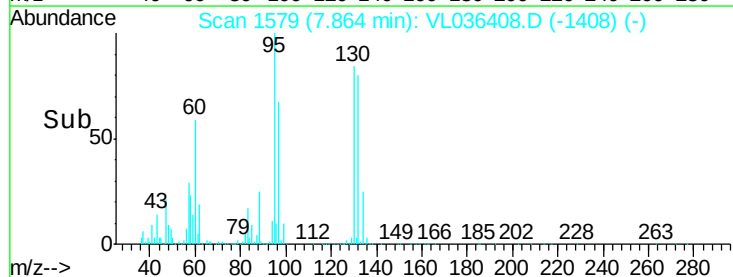
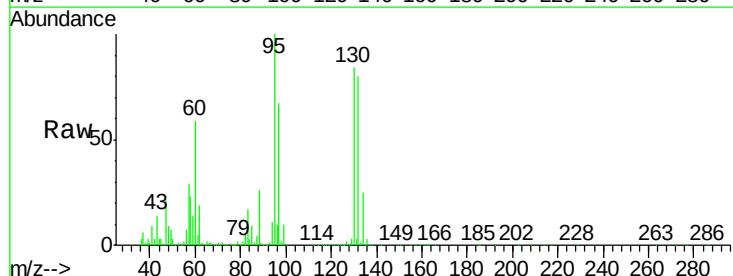
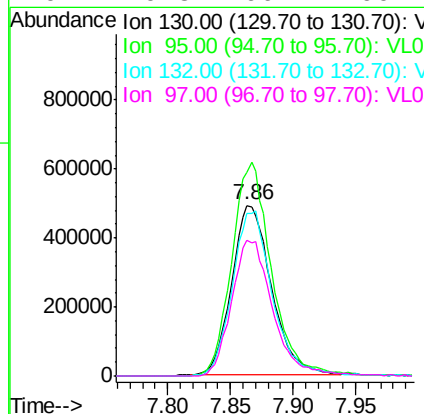
Manual Integrations
 APPROVED

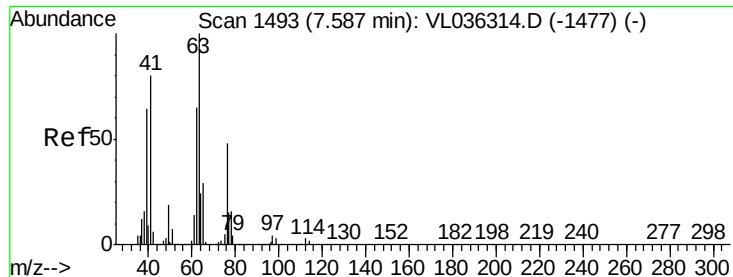
MMDadoda
 3/2/2021 3:29:58 PM



#38
 Trichloroethene
 Concen: 9.271 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.05 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Tgt Ion: 130 Resp: 1088045
 Ion Ratio Lower Upper
 130 100
 95 119.5 102.8 154.2
 132 95.7 75.7 113.5
 97 79.8 66.2 99.2





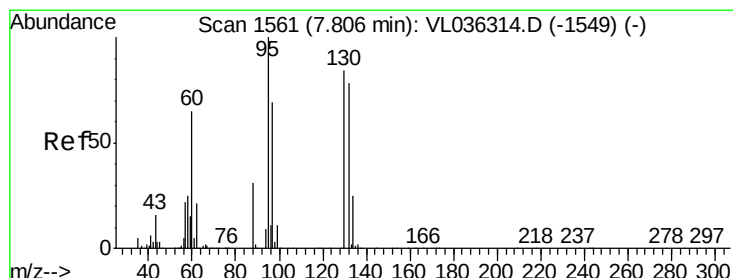
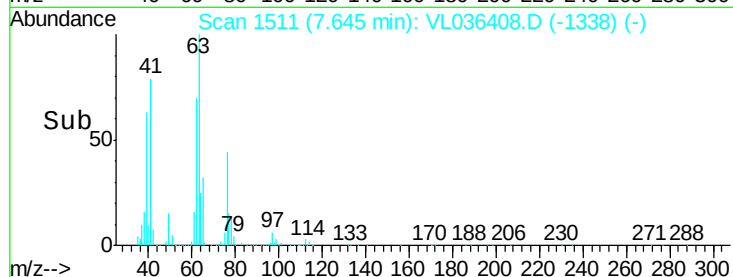
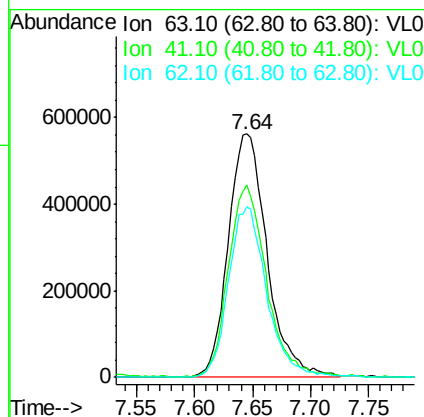
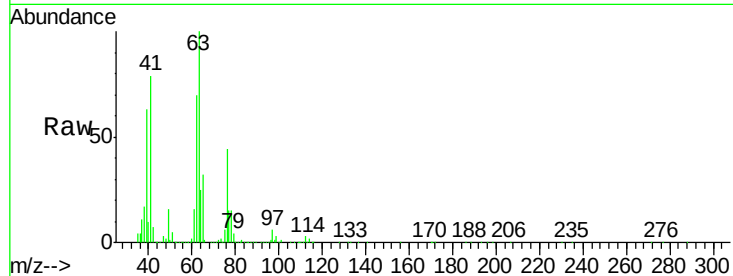
#39
 1,2-Dichloropropane
 Concen: 9.772 ppbv
 RT: 7.64 min Scan# 1511
 Delta R.T. 0.06 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 63 Resp: 1300480
 Ion Ratio Lower Upper
 63 100
 41 78.7 63.8 95.6
 62 69.6 52.3 78.5

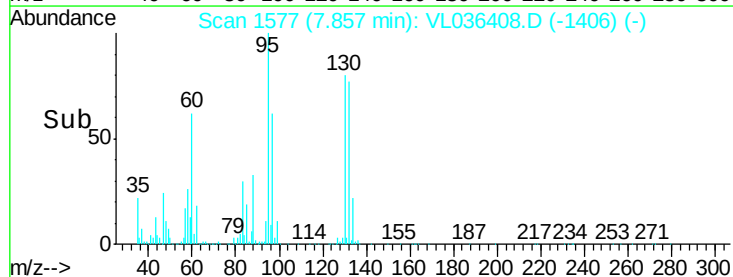
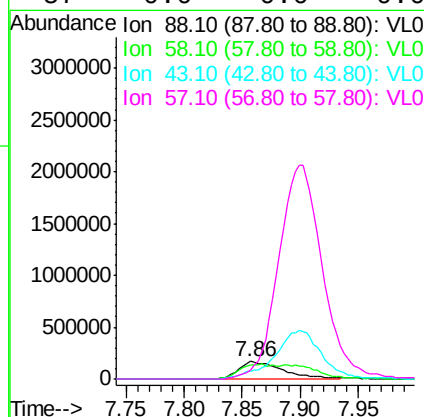
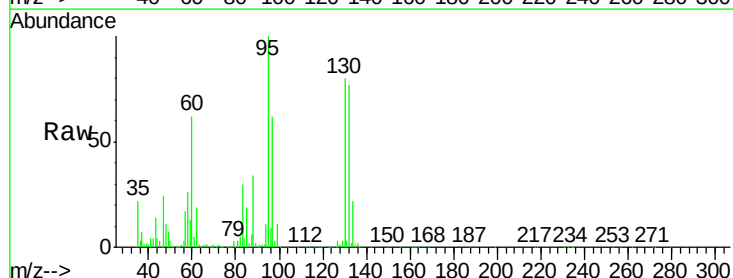
Manual Integrations
 APPROVED

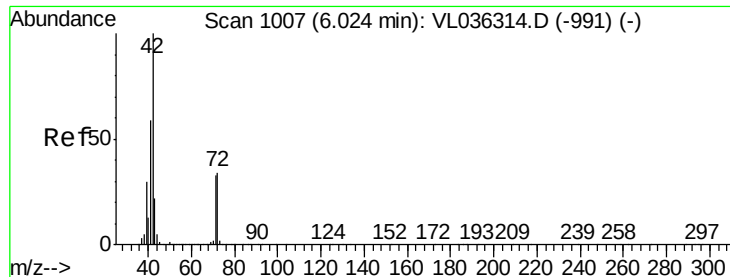
MMDadoda
 3/2/2021 3:29:58 PM



#40
 1,4-Dioxane
 Concen: 9.600 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.05 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Tgt Ion: 88 Resp: 442634
 Ion Ratio Lower Upper
 88 100
 58 66.4 45.0 67.4
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0





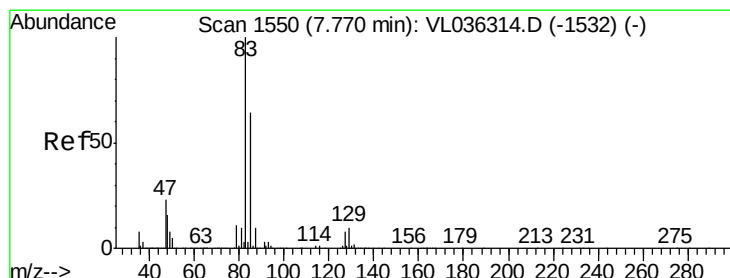
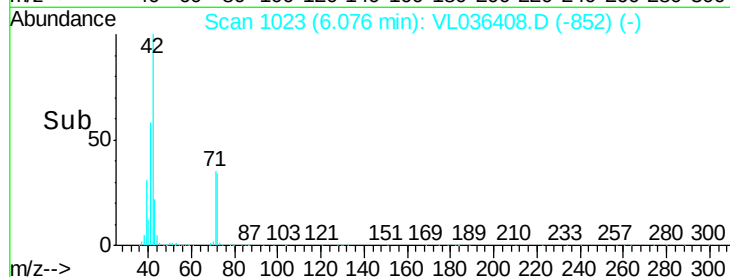
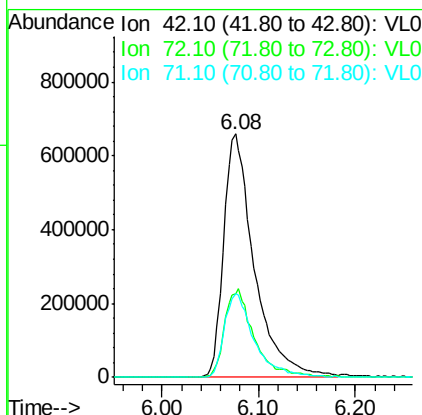
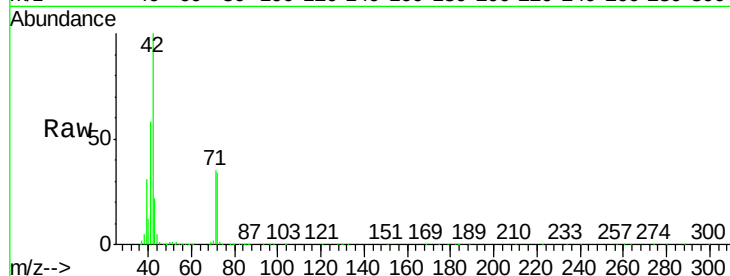
#41
Tetrahydrofuran
Concen: 10.127 ppbv
RT: 6.08 min Scan# 1023
Delta R.T. 0.05 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 1448153
Ion Ratio Lower Upper
42 100
72 35.4 29.3 43.9
71 34.2 27.8 41.8

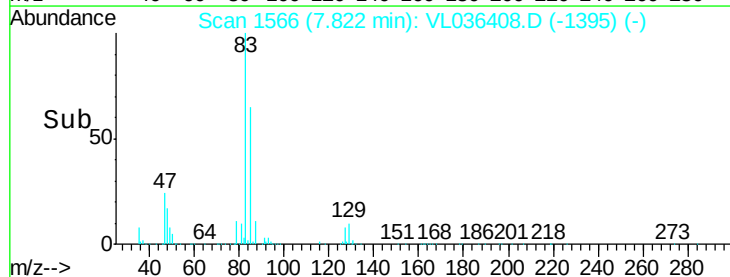
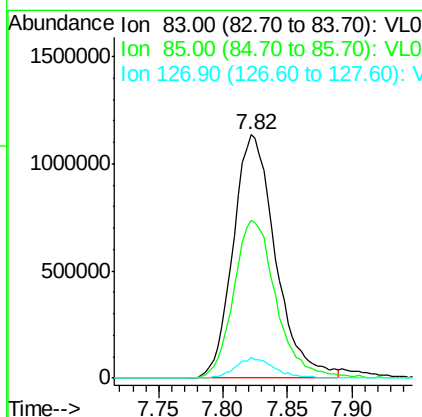
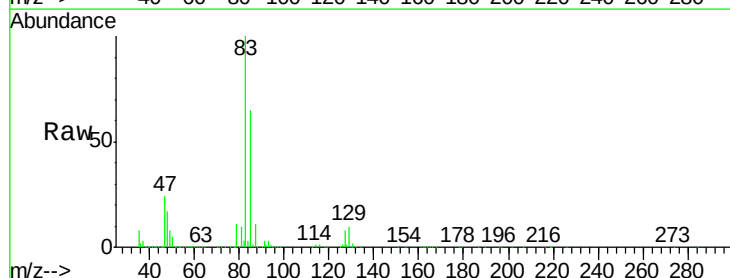
Manual Integrations
APPROVED

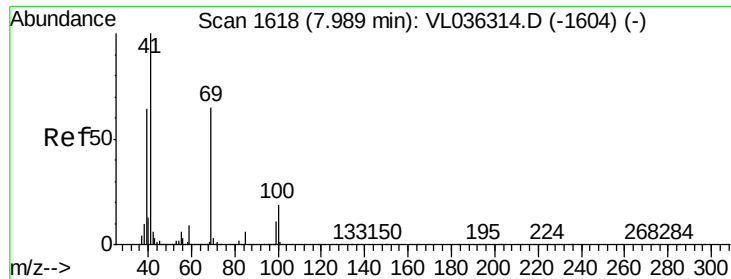
MMDadoda
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#42
Bromodichloromethane
Concen: 9.573 ppbv
RT: 7.82 min Scan# 1566
Delta R.T. 0.05 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Tgt Ion: 83 Resp: 2597059
Ion Ratio Lower Upper
83 100
85 64.6 51.1 76.7
127 8.4 6.3 9.5





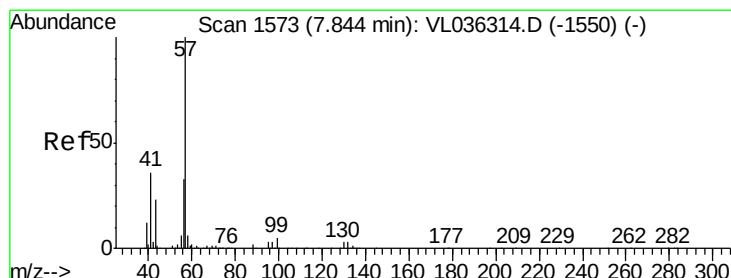
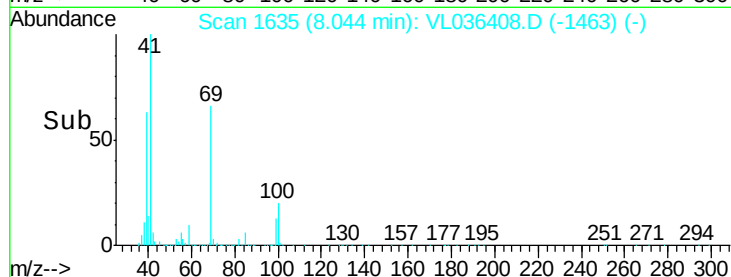
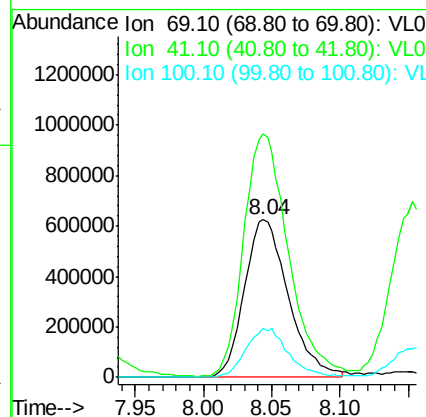
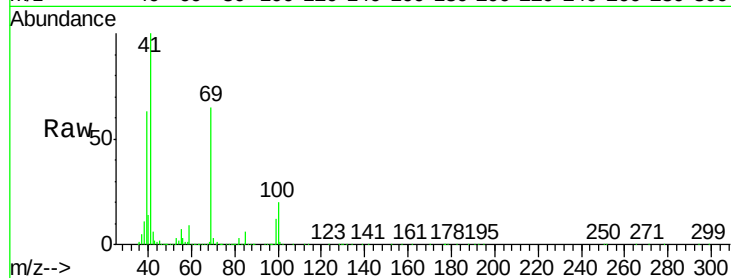
#43
Methyl Methacrylate
Concen: 10.075 ppbv
RT: 8.04 min Scan# 1635
Delta R.T. 0.05 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 1391959
Ion Ratio Lower Upper
69 100
41 158.3 126.5 189.7
100 30.4 23.1 34.7

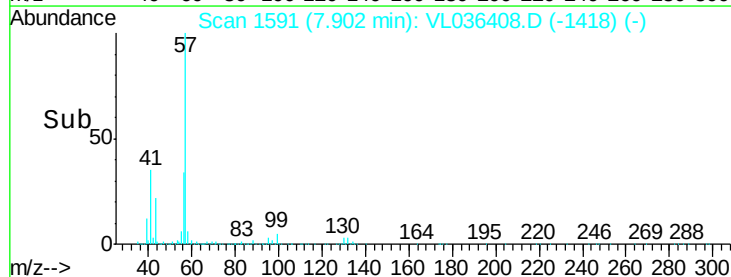
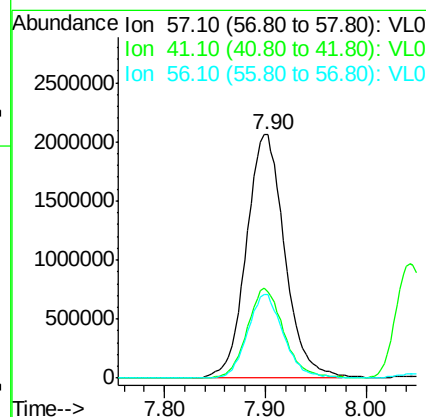
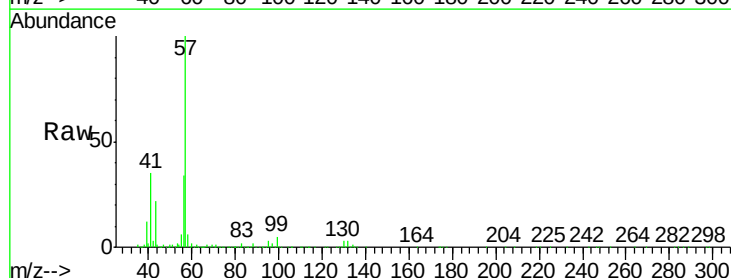
Manual Integrations
APPROVED

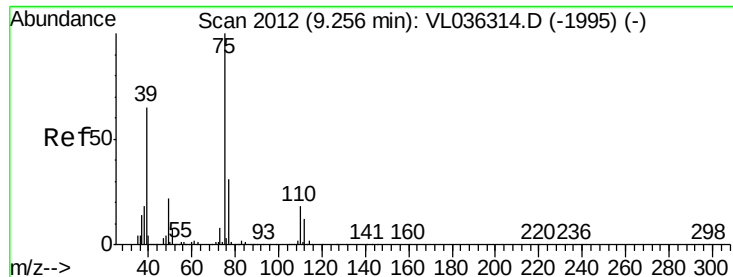
MMDadoda
3/2/2021 3:29:58 PM



#44
2,2,4-Trimethylpentane
Concen: 9.097 ppbv
RT: 7.90 min Scan# 1591
Delta R.T. 0.06 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Tgt Ion: 57 Resp: 5419152
Ion Ratio Lower Upper
57 100
41 35.1 28.8 43.2
56 32.5 25.8 38.6





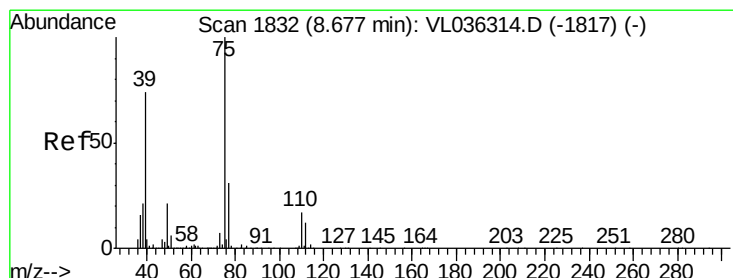
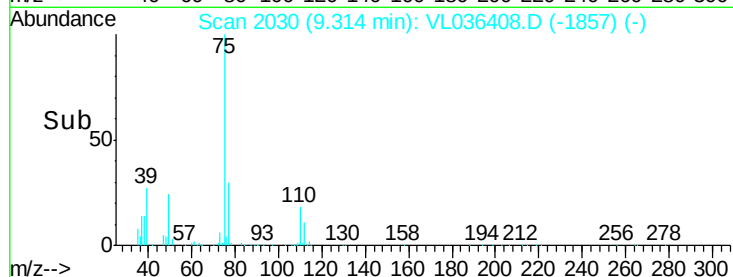
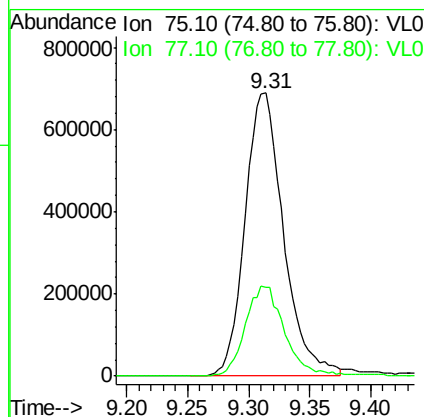
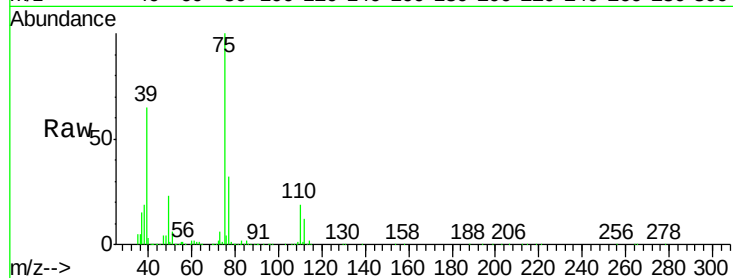
#45
t-1,3-Dichloropropene
Concen: 11.252 ppbv
RT: 9.31 min Scan# 2030
Delta R.T. 0.06 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1499632
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0

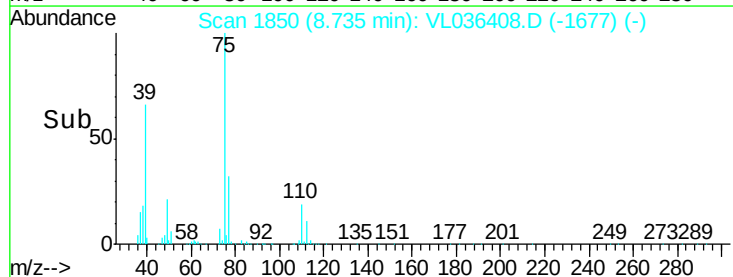
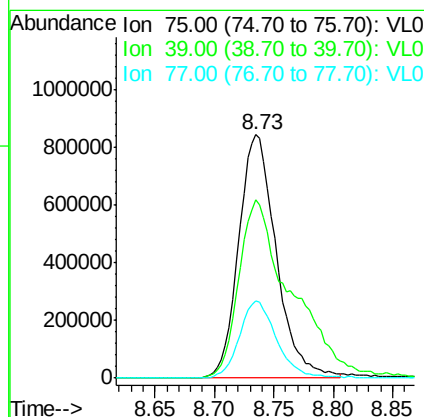
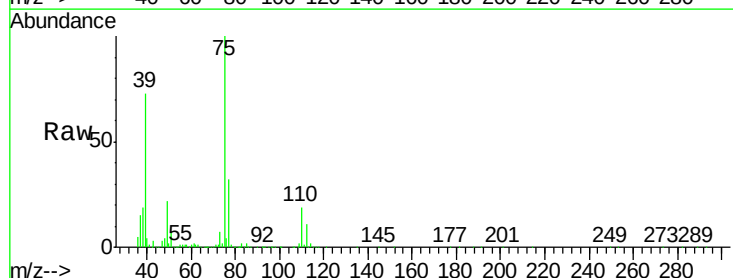
Manual Integrations
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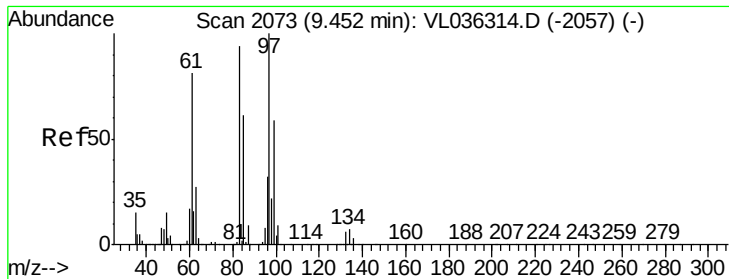
MMDadoda
3/2/2021 3:29:58 PM



#46
cis-1,3-Dichloropropene
Concen: 10.905 ppbv
RT: 8.73 min Scan# 1850
Delta R.T. 0.06 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Tgt Ion: 75 Resp: 1846281
Ion Ratio Lower Upper
75 100
39 72.9 59.2 88.8
77 31.9 25.0 37.6





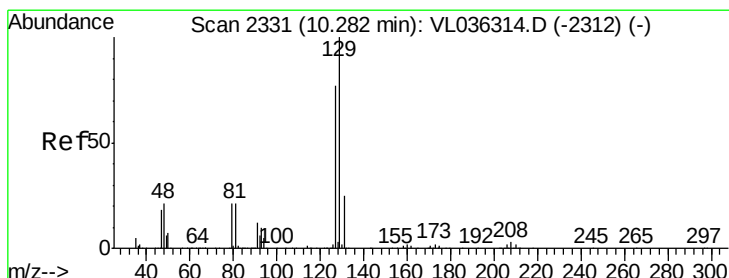
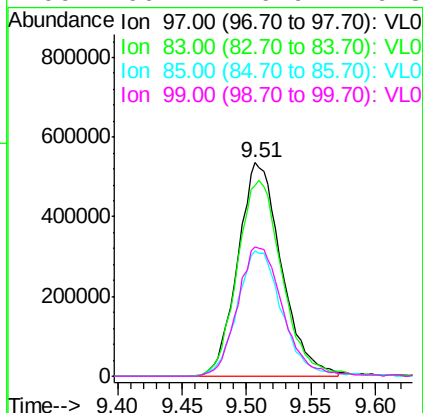
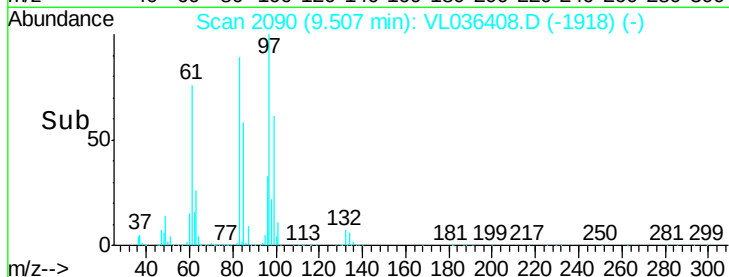
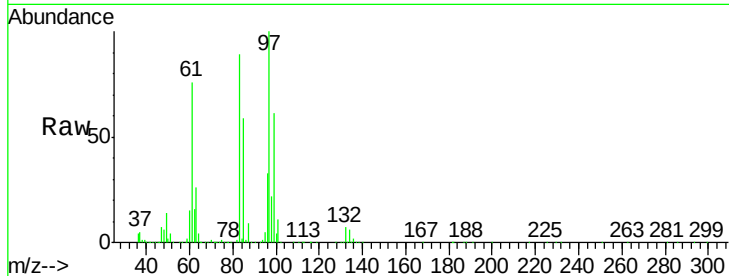
#47
 1,1,2-Trichloroethane
 Concen: 9.227 ppbv
 RT: 9.51 min Scan# 2090
 Delta R.T. 0.05 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 1256652
 Ion Ratio Lower Upper
 97 100
 83 89.2 75.4 113.0
 85 58.6 48.9 73.3
 99 60.7 46.9 70.3

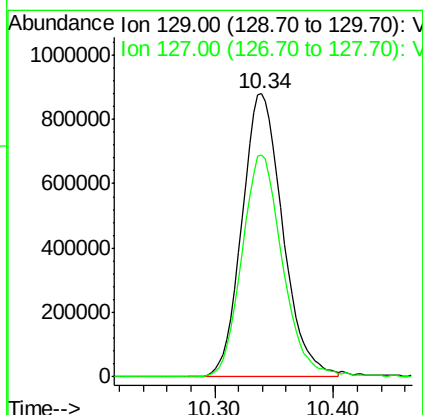
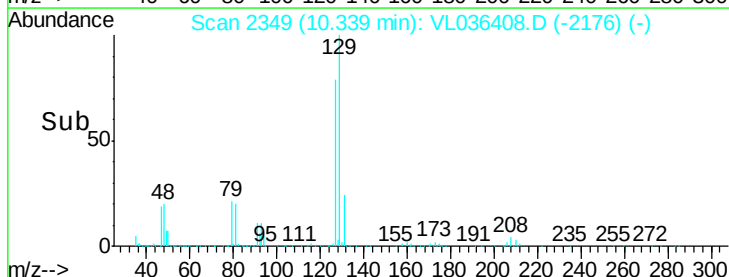
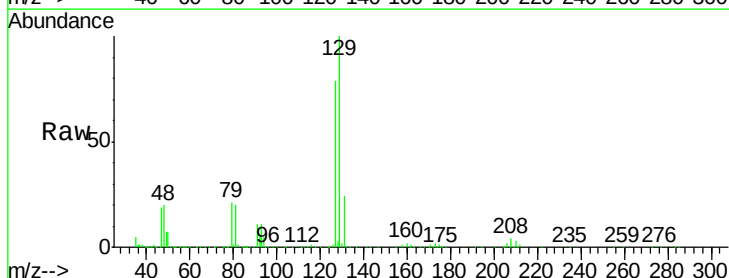
Manual Integrations
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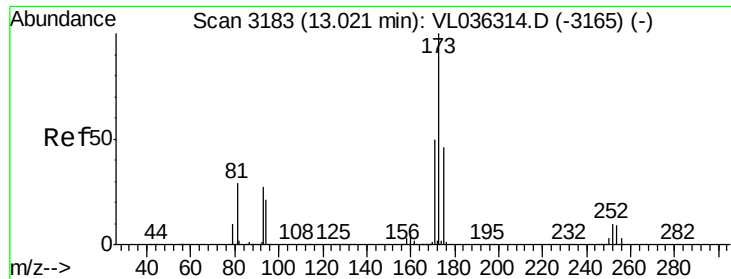
MMDadoda
 3/2/2021 3:29:58 PM



#48
 Dibromochloromethane
 Concen: 10.266 ppbv
 RT: 10.34 min Scan# 2349
 Delta R.T. 0.06 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Tgt Ion: 129 Resp: 2086412
 Ion Ratio Lower Upper
 129 100
 127 78.7 39.1 117.2





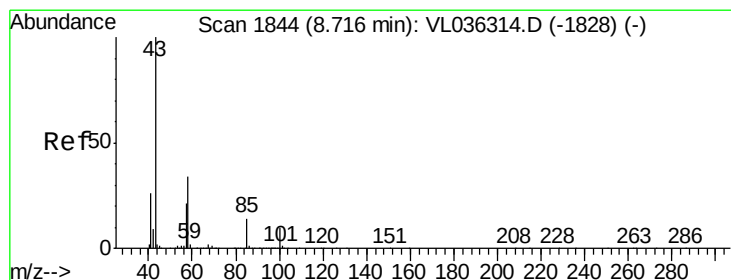
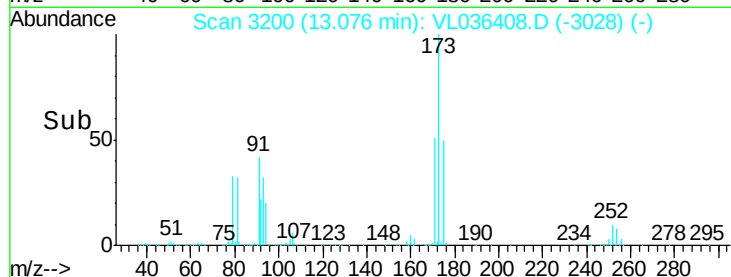
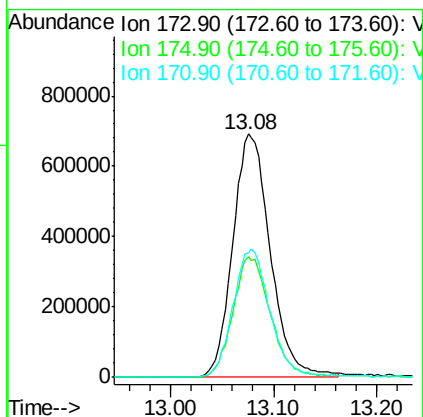
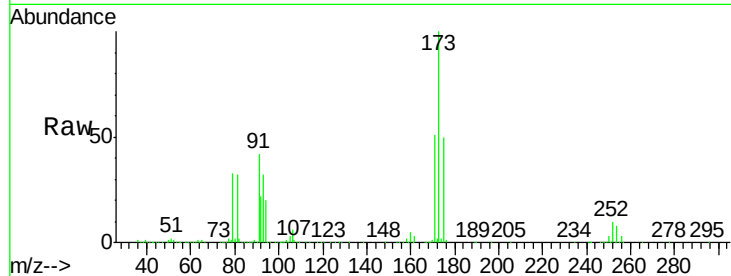
#49
Bromoform
Concen: 10.675 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. 0.05 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 173 Resp: 1753860
Ion Ratio Lower Upper
173 100
175 50.5 40.2 60.2
171 53.3 43.4 65.2

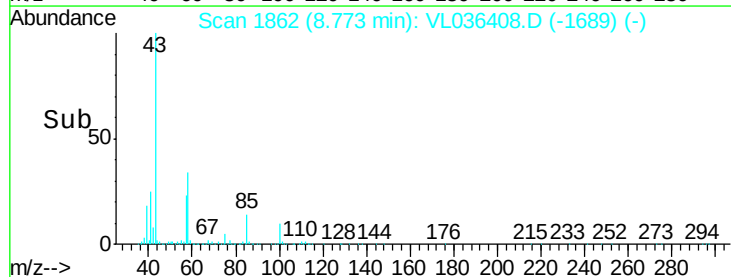
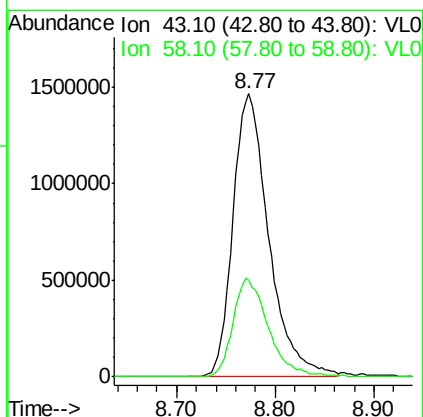
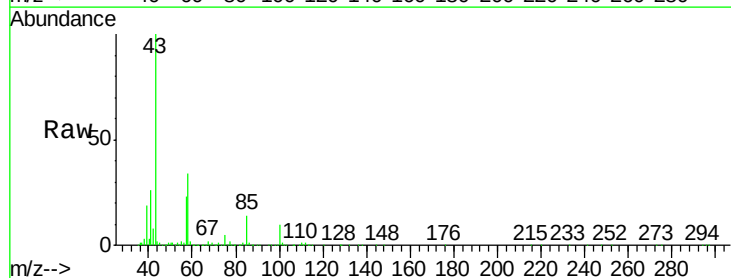
Manual Integrations
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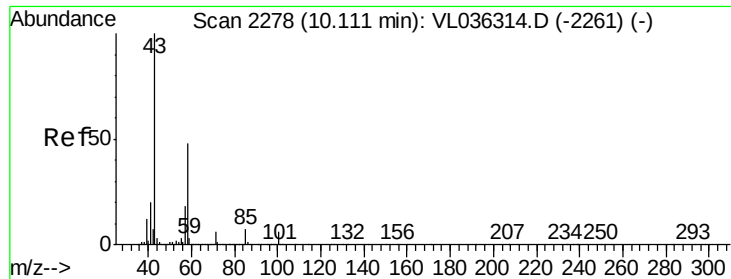
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 9.742 ppbv
RT: 8.77 min Scan# 1862
Delta R.T. 0.06 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Tgt Ion: 43 Resp: 3706070
Ion Ratio Lower Upper
43 100
58 34.6 27.8 41.6





#51

2-Hexanone

Concen: 10.340 ppbv

RT: 10.17 min Scan# 2295

Delta R.T. 0.05 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2988682

Ion Ratio Lower Upper

43 100

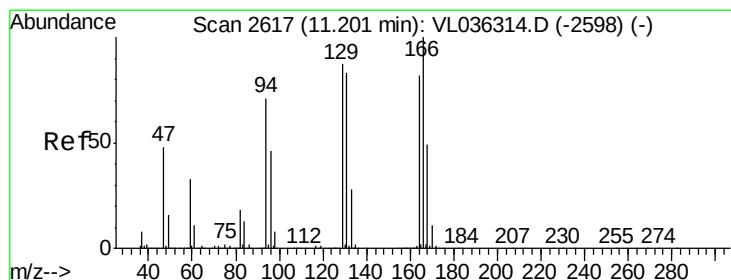
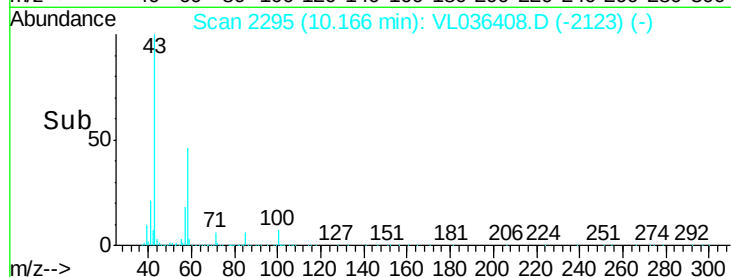
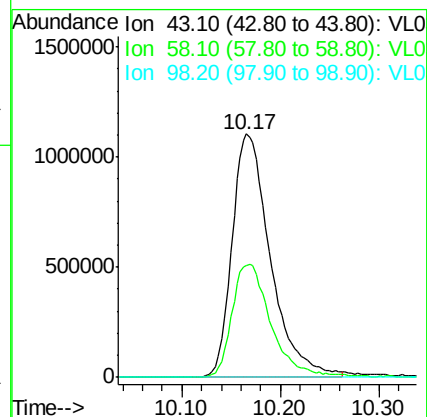
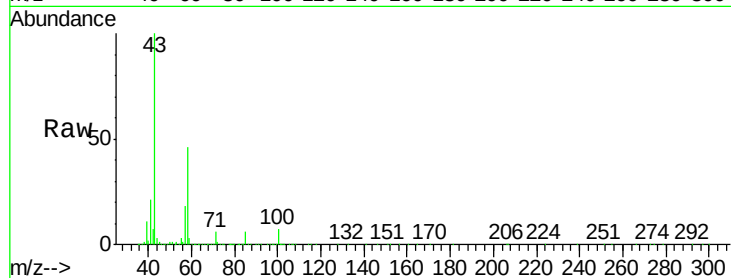
58 47.8 38.7 58.1

98 0.3 0.4 0.6#

Manual Integrations
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#52

Tetrachloroethene

Concen: 8.735 ppbv

RT: 11.26 min Scan# 2634

Delta R.T. 0.05 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

Tgt Ion: 164 Resp: 1047684

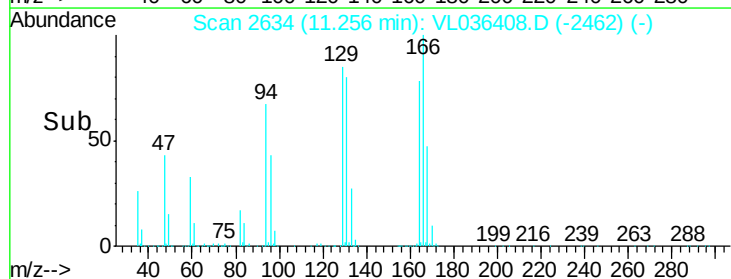
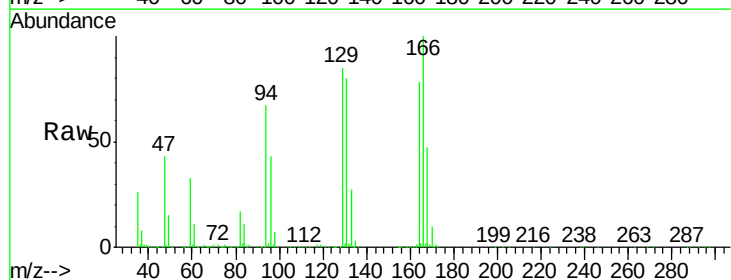
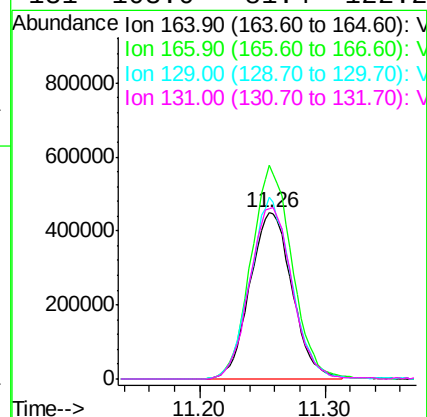
Ion Ratio Lower Upper

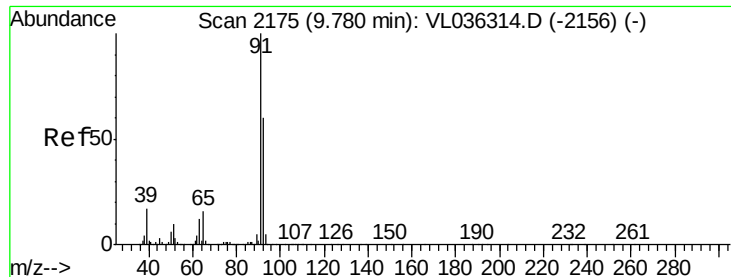
164 100

166 128.8 97.8 146.8

129 109.8 84.9 127.3

131 103.0 81.4 122.2





#53

Toluene

Concen: 9.954 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. 0.06 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 3532413

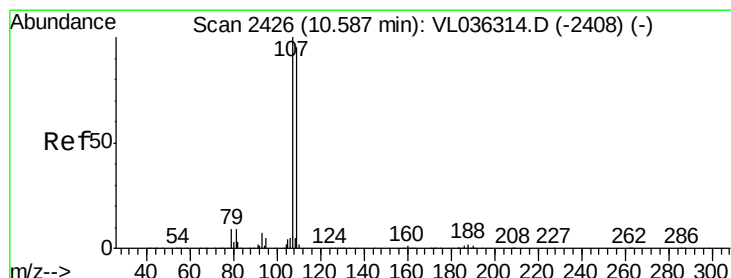
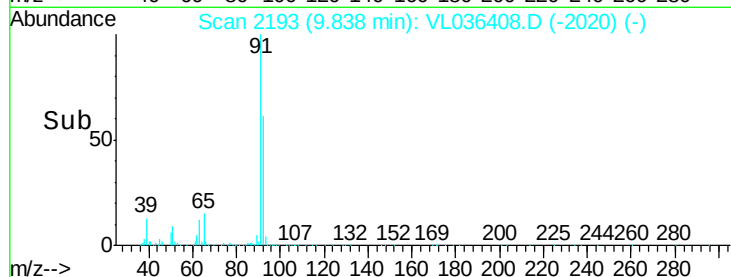
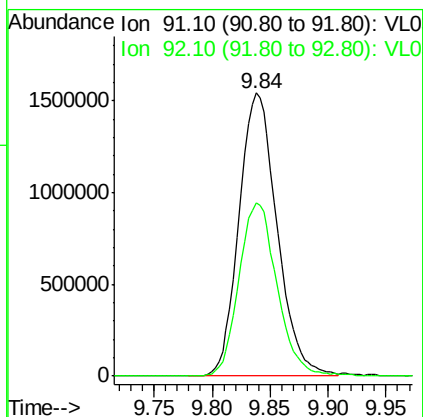
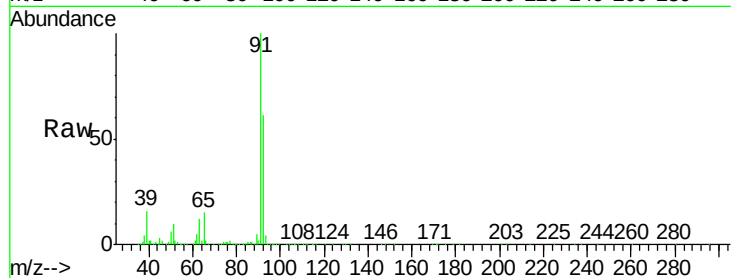
Ion Ratio Lower Upper

91 100

92 61.6 48.6 72.8

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#54

1,2-Dibromoethane

Concen: 9.660 ppbv

RT: 10.64 min Scan# 2444

Delta R.T. 0.06 min

Lab File: VL036408.D

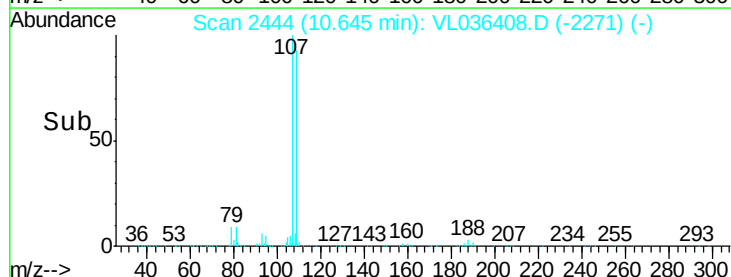
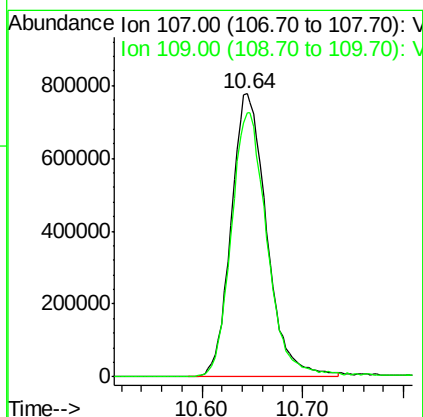
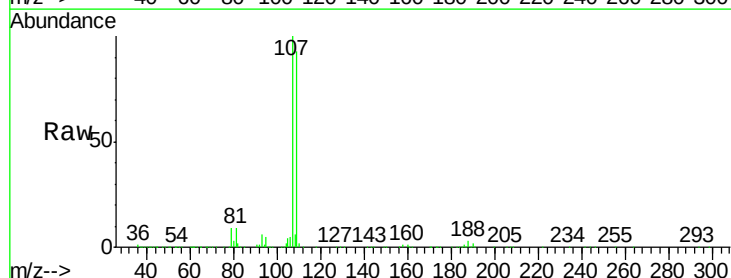
Acq: 1 Mar 2021 9:24

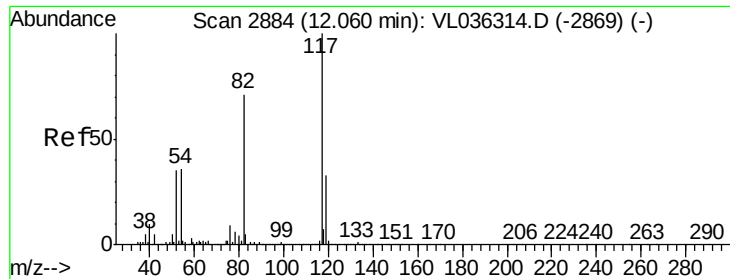
Tgt Ion: 107 Resp: 1901365

Ion Ratio Lower Upper

107 100

109 93.1 76.0 114.0





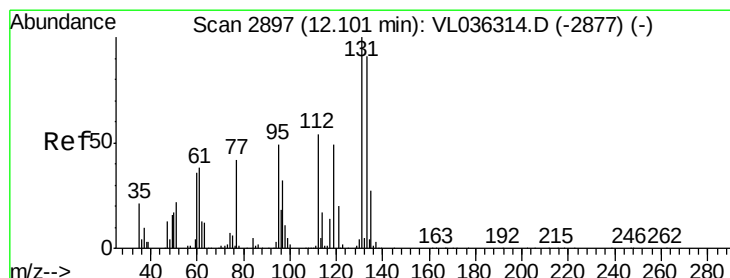
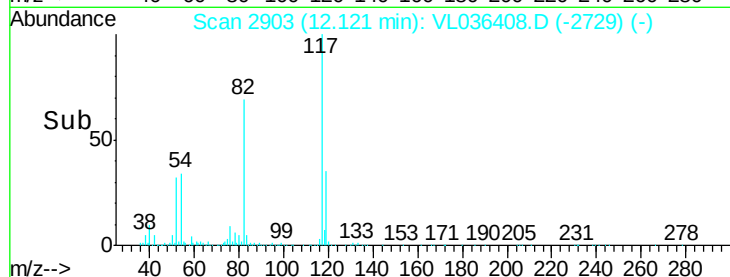
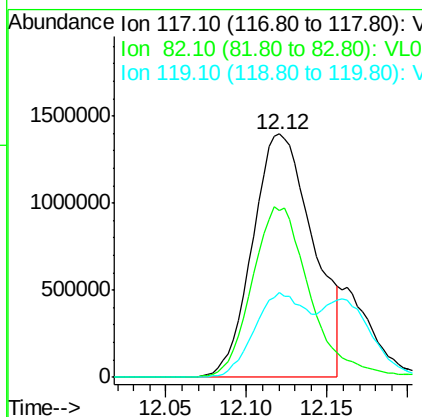
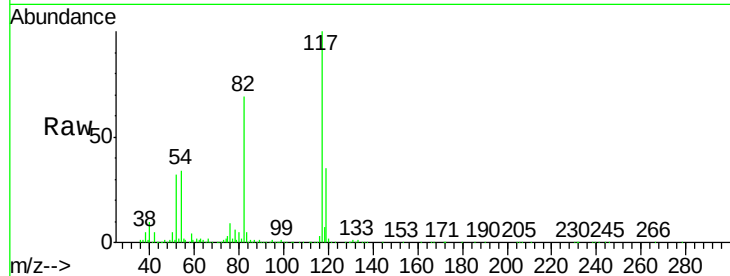
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2903
Delta R.T. 0.06 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 3640641
Ion Ratio Lower Upper
117 100
82 68.0 59.1 88.7
119 31.2 46.3 69.5#

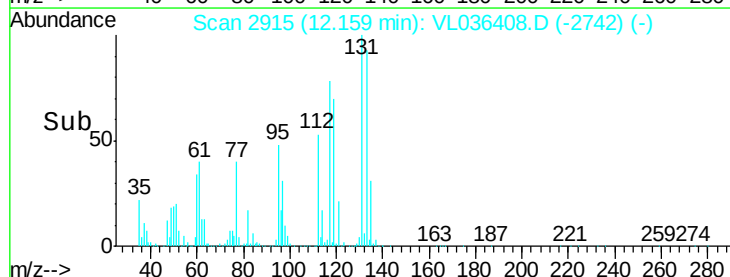
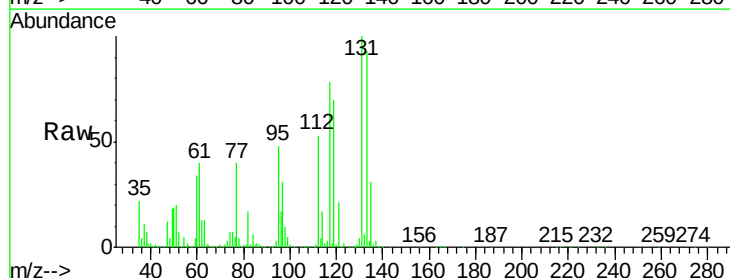
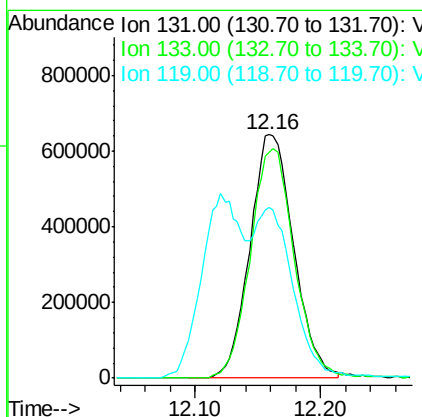
Manual Integrations
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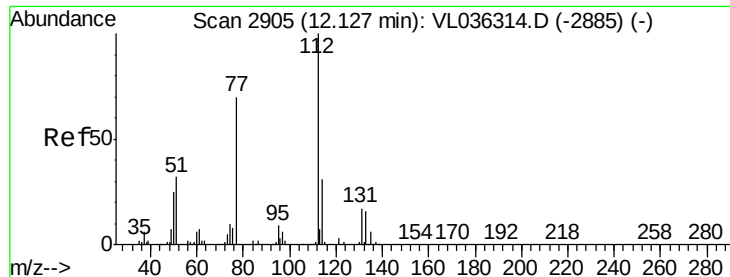
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.314 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.06 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Tgt Ion:131 Resp: 1559619
Ion Ratio Lower Upper
131 100
133 95.4 76.0 114.0
119 62.2 115.1 172.7#





#57

Chlorobenzene

Concen: 9.018 ppbv

RT: 12.18 min Scan# 2921

Delta R.T. 0.05 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 112 Resp: 2536681

Ion Ratio Lower Upper

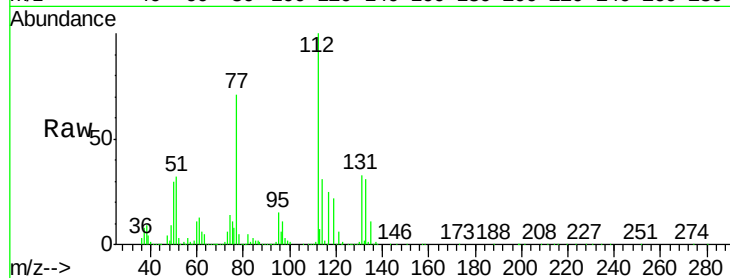
112 100

77 70.2 56.1 84.1

114 31.4 28.3 34.5

Manual Integrations
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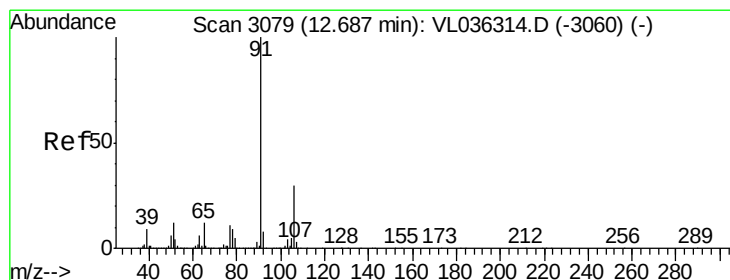
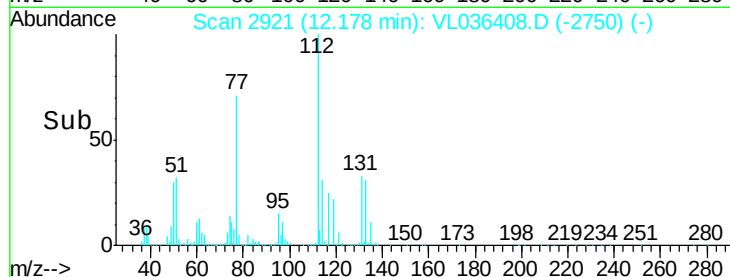
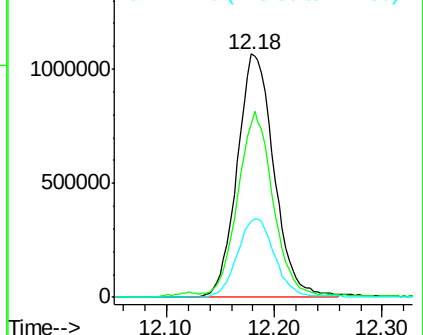
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.531 ppbv

RT: 12.74 min Scan# 3097

Delta R.T. 0.06 min

Lab File: VL036408.D

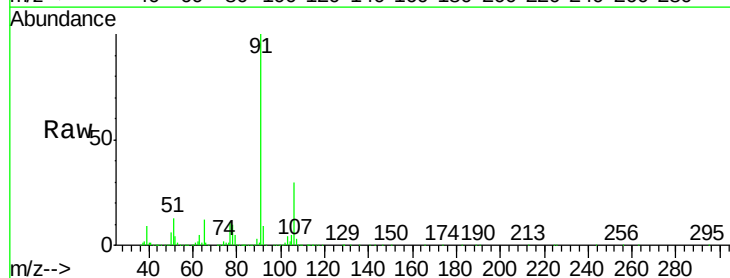
Acq: 1 Mar 2021 9:24

Tgt Ion: 91 Resp: 4751677

Ion Ratio Lower Upper

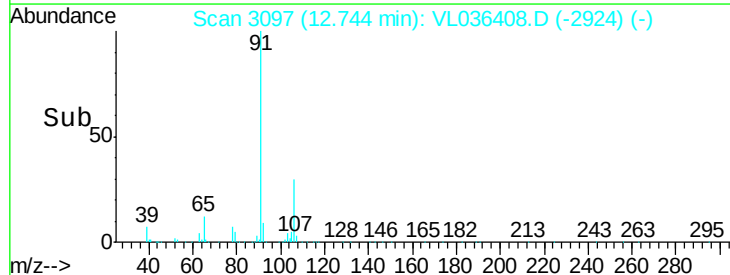
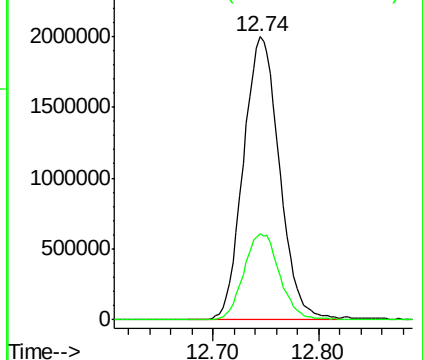
91 100

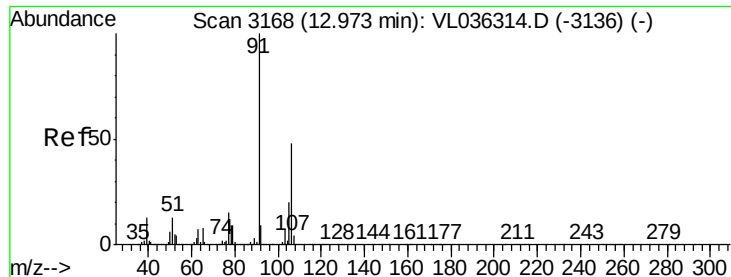
106 30.5 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





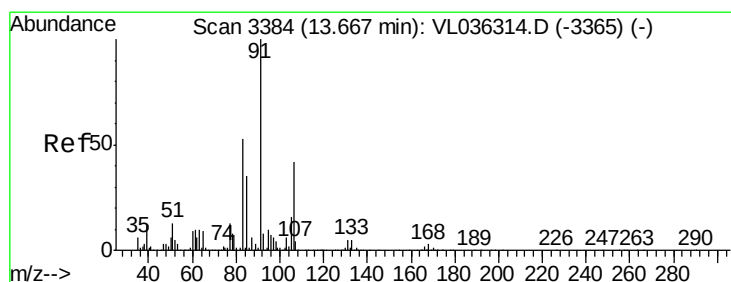
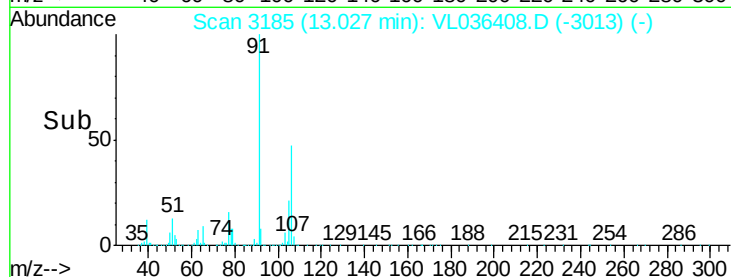
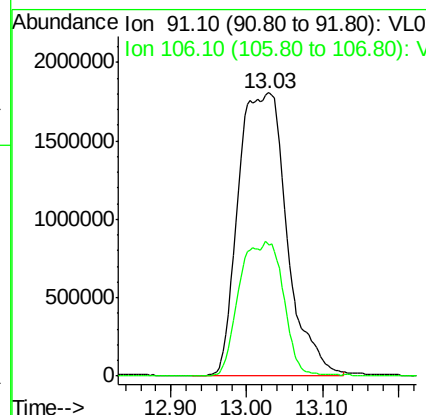
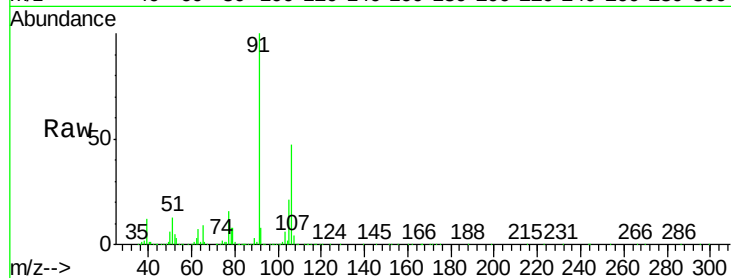
#59
m/p-Xylene
Concen: 18.414 ppbv m
RT: 13.03 min Scan# 3185
Delta R.T. 0.05 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 8063094
Ion Ratio Lower Upper
91 100
106 43.3 34.2 51.2

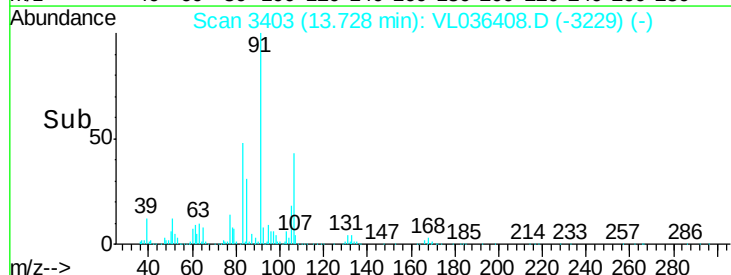
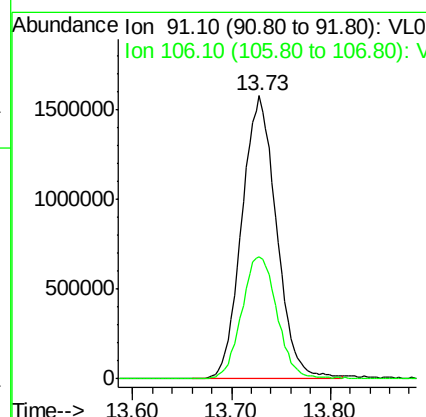
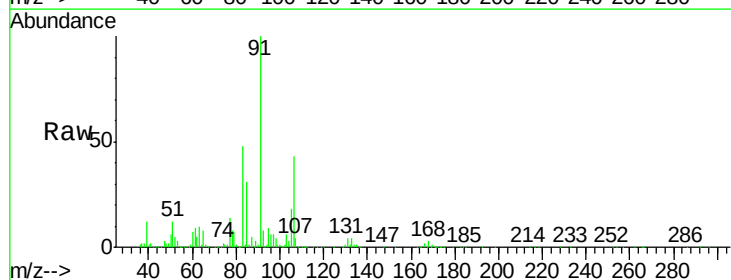
Manual Integrations
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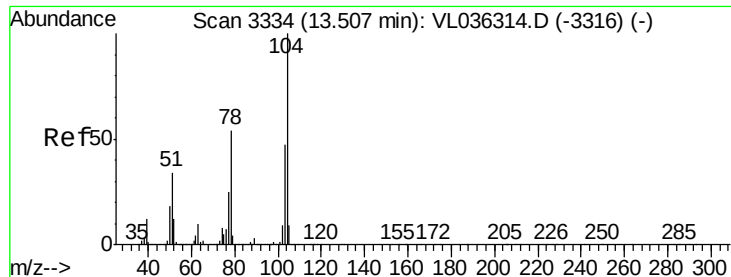
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#60
o-Xylene
Concen: 9.145 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. 0.06 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Tgt Ion: 91 Resp: 3828863
Ion Ratio Lower Upper
91 100
106 44.4 22.0 66.0





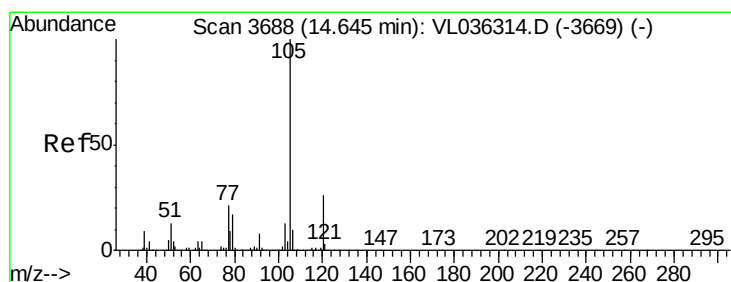
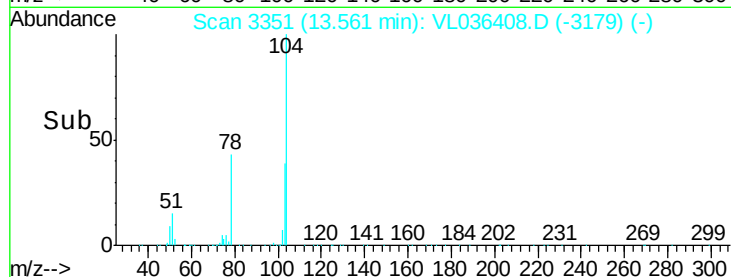
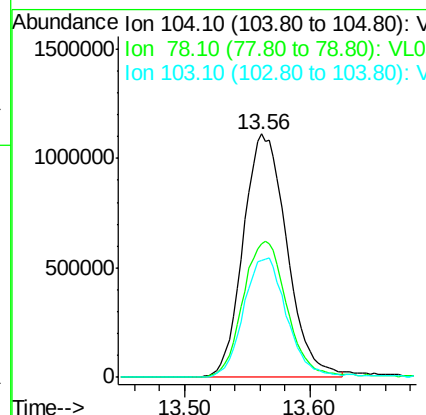
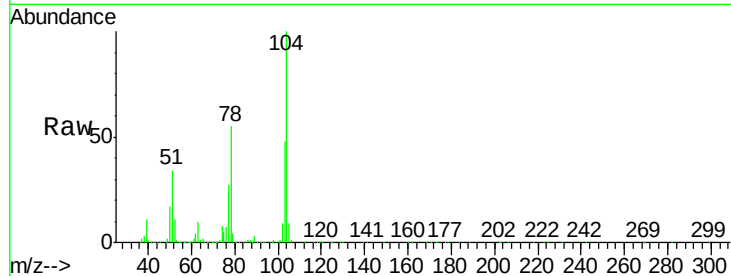
#61
Styrene
Concen: 10.367 ppbv
RT: 13.56 min Scan# 3351
Delta R.T. 0.05 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
104	100		
78	56.9	46.2	69.2
103	49.3	38.3	57.5

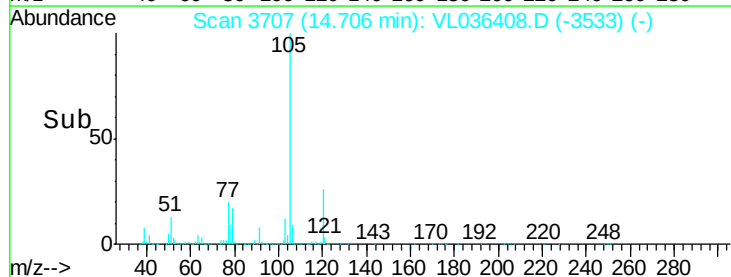
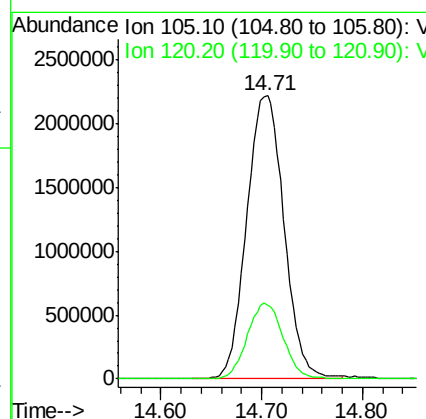
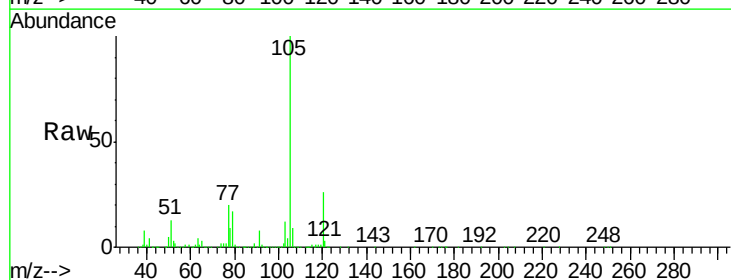
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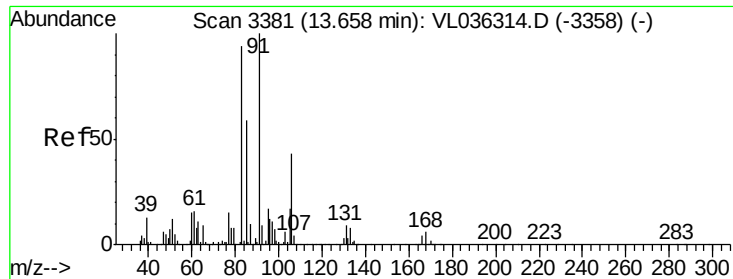
MMDadoda
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#62
Isopropylbenzene
Concen: 9.061 ppbv
RT: 14.71 min Scan# 3707
Delta R.T. 0.06 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.6	30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 8.337 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. 0.06 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 2754128

Ion Ratio Lower Upper

83 100

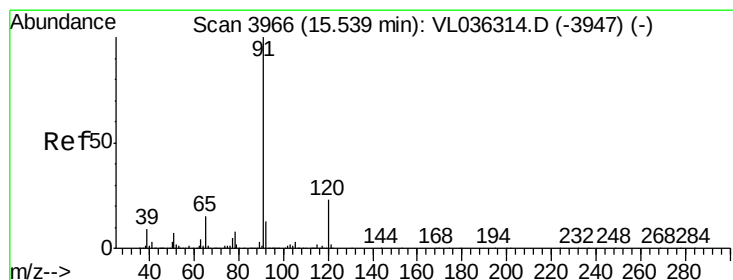
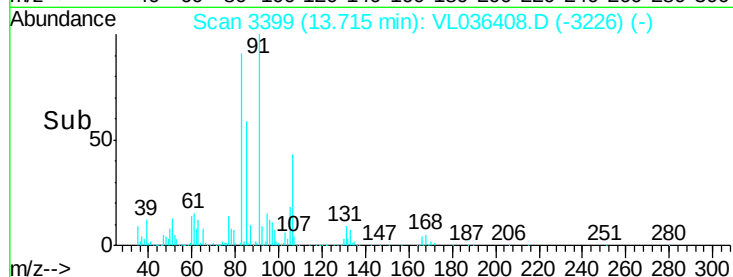
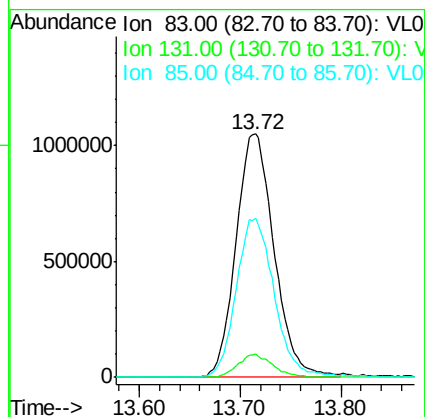
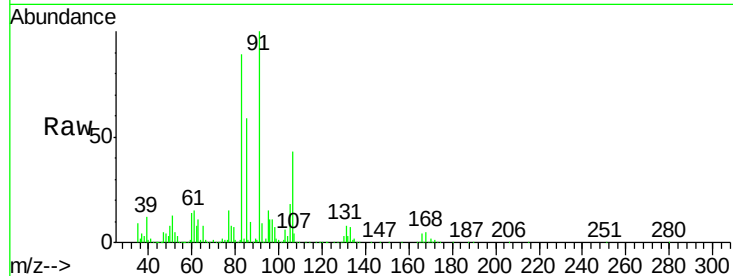
131 8.9 4.7 14.0

85 65.7 33.0 98.9

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#64

n-propylbenzene

Concen: 9.453 ppbv

RT: 15.60 min Scan# 3985

Delta R.T. 0.06 min

Lab File: VL036408.D

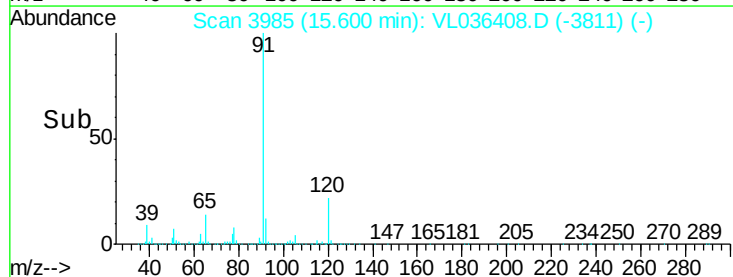
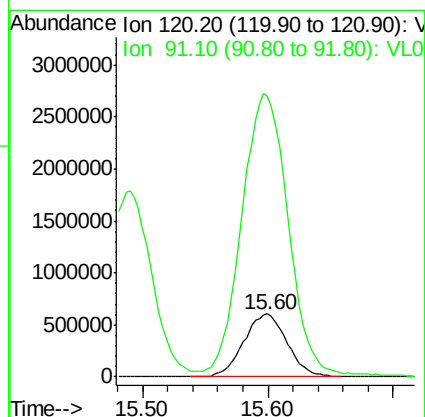
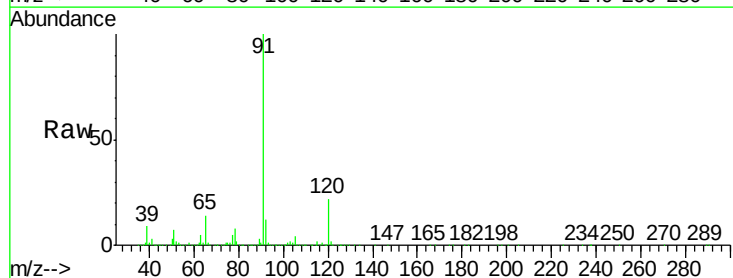
Acq: 1 Mar 2021 9:24

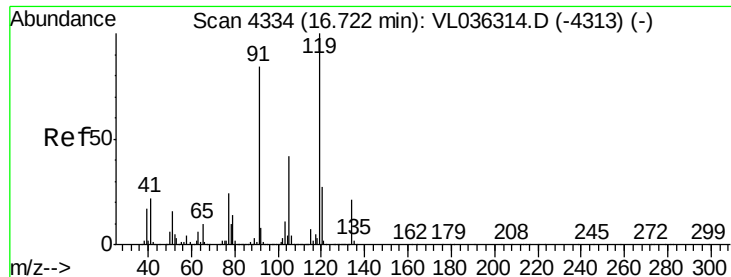
Tgt Ion: 120 Resp: 1460025

Ion Ratio Lower Upper

120 100

91 484.8 387.2 580.8





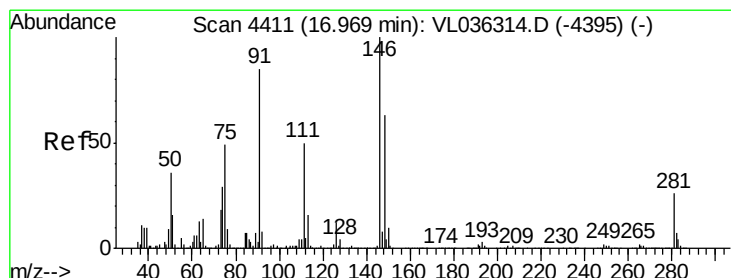
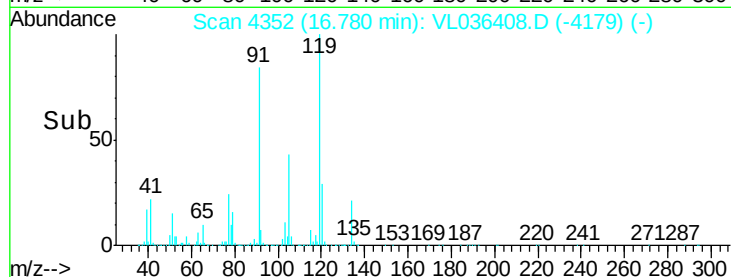
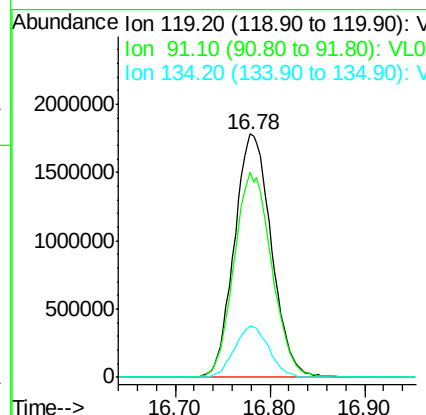
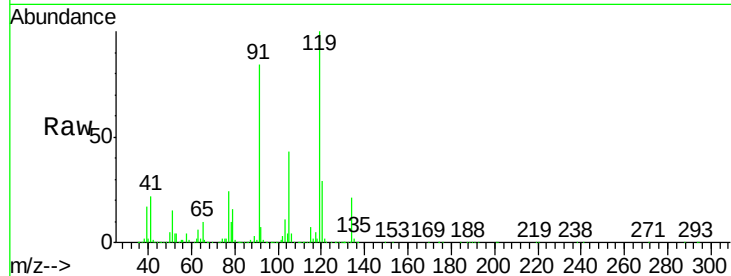
#65
 tert-Butylbenzene
 Concen: 9.006 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. 0.06 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 119 Resp: 4835678
 Ion Ratio Lower Upper
 119 100
 91 86.0 70.5 105.7
 134 19.8 15.8 23.8

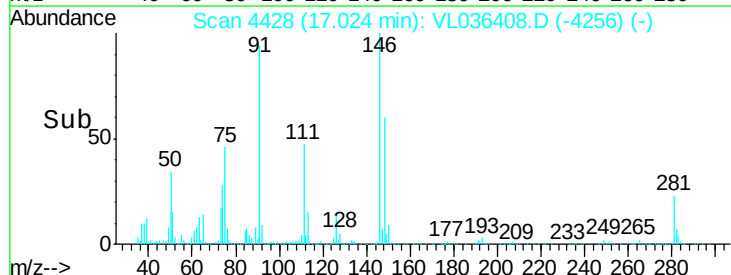
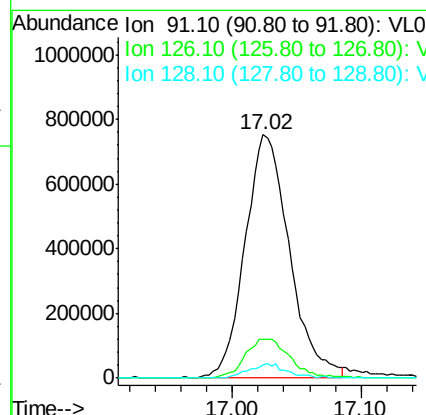
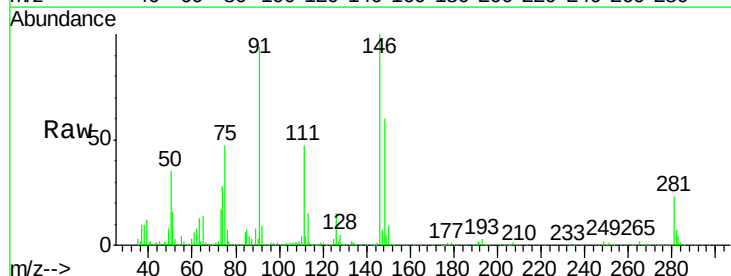
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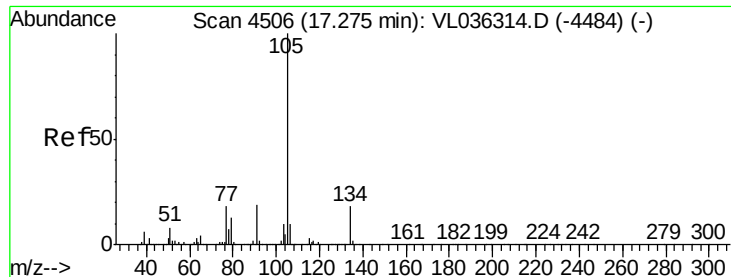
MMDadoda
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#66
 Benzyl Chloride
 Concen: 12.288 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. 0.05 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Tgt Ion: 91 Resp: 1793704
 Ion Ratio Lower Upper
 91 100
 126 16.8 12.9 19.3
 128 5.3 4.2 6.2





#67

sec-Butylbenzene

Concen: 8.857 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.06 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 105 Resp: 6858499

Ion Ratio Lower Upper

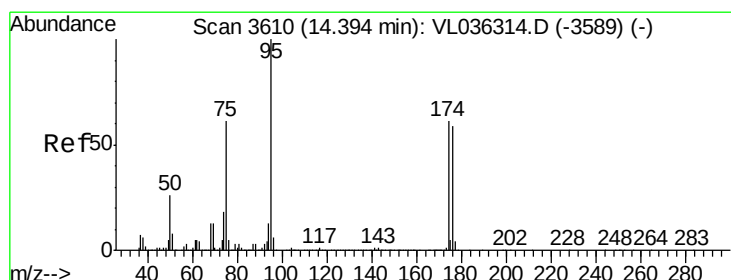
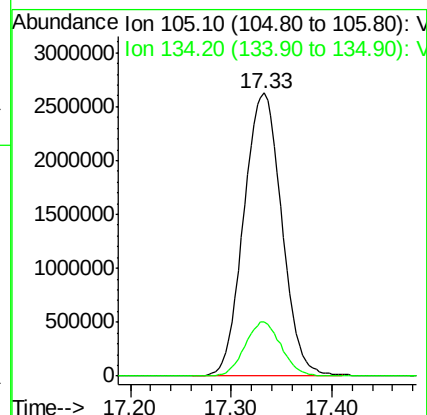
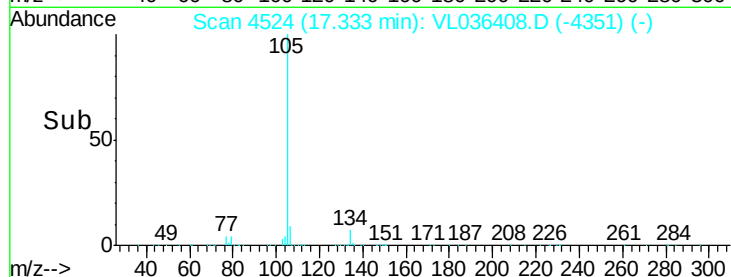
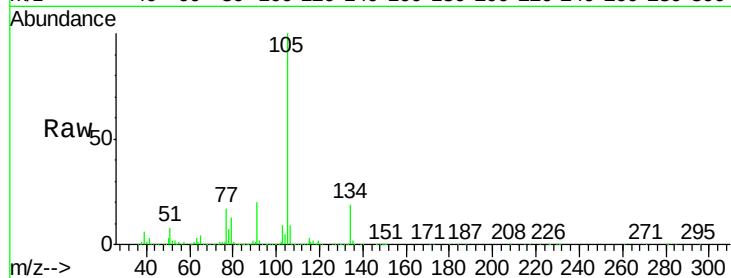
105 100

134 18.3 14.2 21.4

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.531 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. 0.06 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

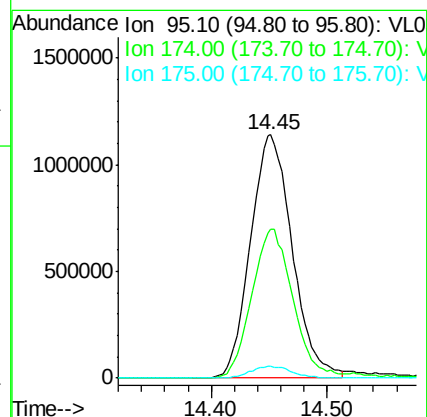
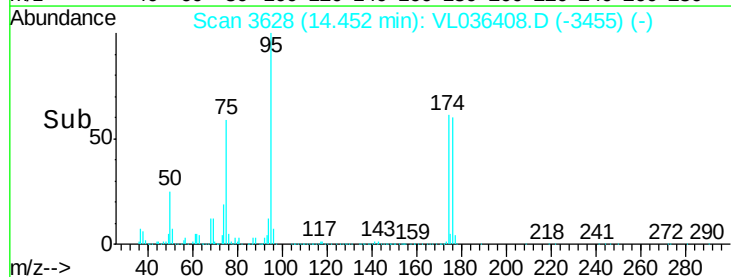
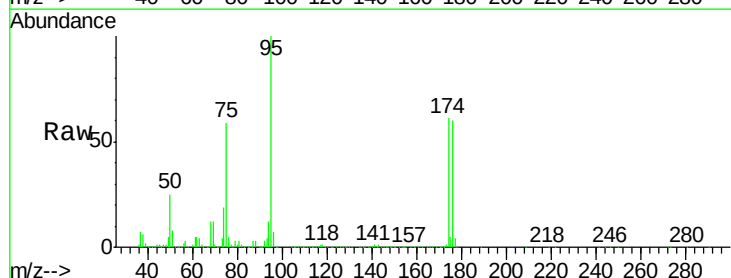
Tgt Ion: 95 Resp: 2854945

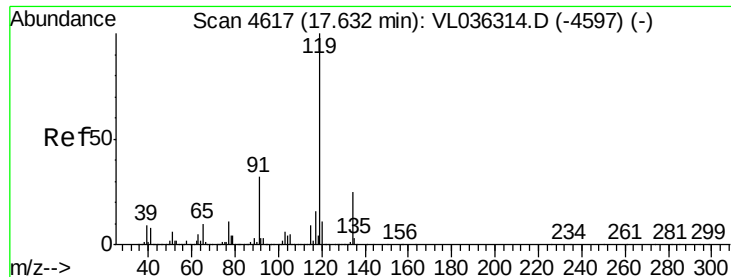
Ion Ratio Lower Upper

95 100

174 62.5 49.8 74.6

175 4.9 3.7 5.5





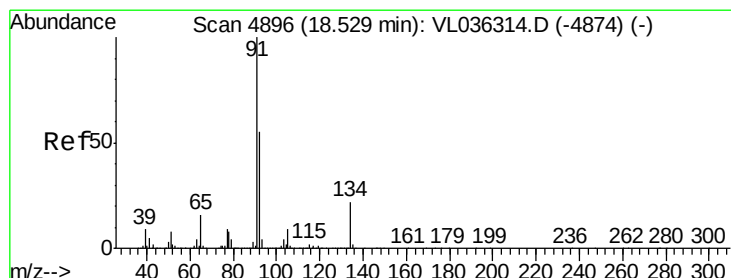
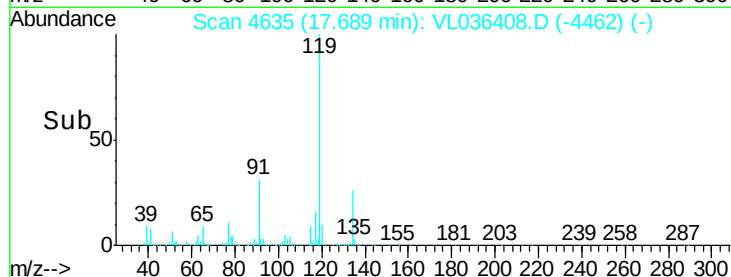
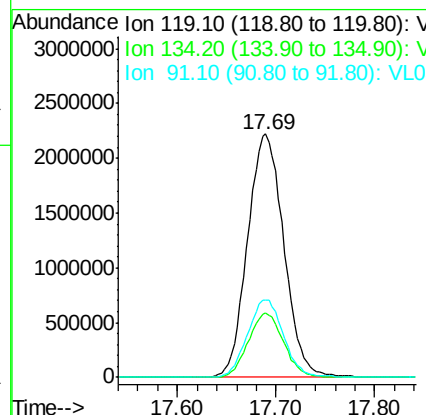
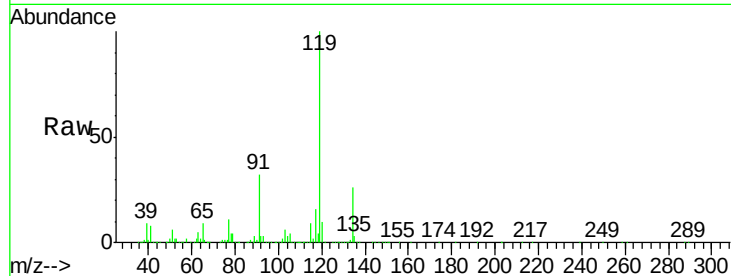
#69
p-Isopropyltoluene
Concen: 9.408 ppbv
RT: 17.69 min Scan# 4635
Delta R.T. 0.06 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.1	30.1
91	31.8	25.8	38.6

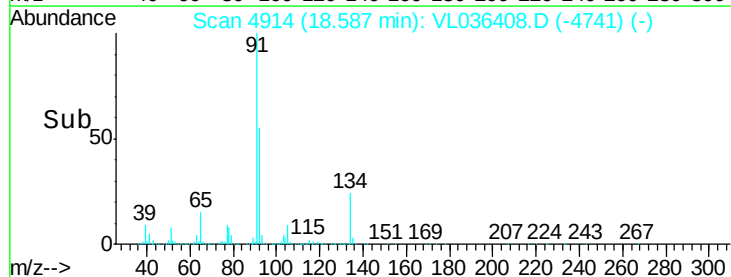
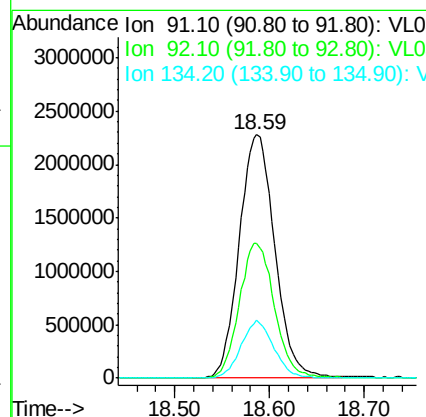
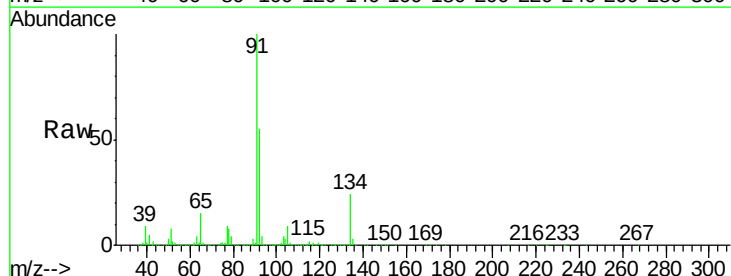
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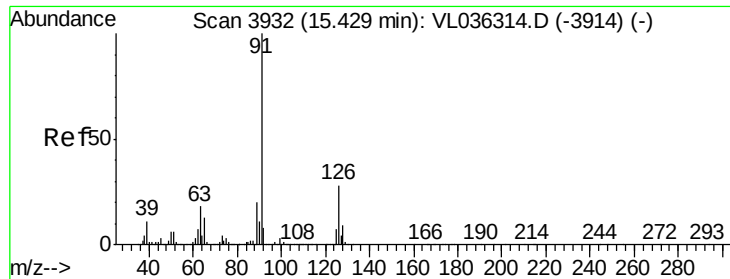
MMDadoda
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#70
n-Butylbenzene
Concen: 9.287 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. 0.06 min
Lab File: VL036408.D
Acq: 1 Mar 2021 9:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	43.7	65.5
134	22.0	17.4	26.0





#71

2-Chlorotoluene

Concen: 9.263 ppbv

RT: 15.49 min Scan# 3951

Delta R.T. 0.06 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 4456319

Ion Ratio Lower Upper

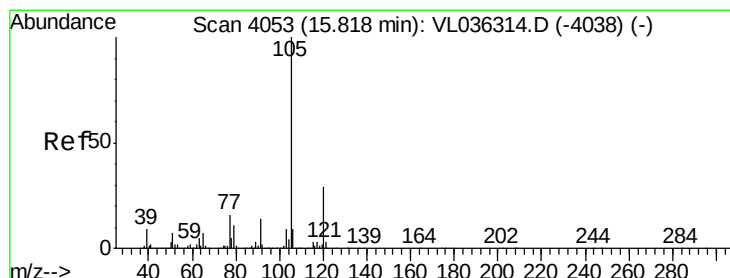
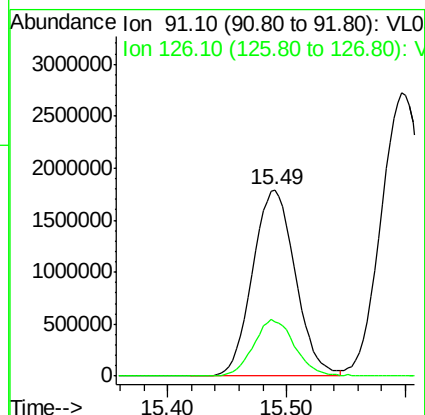
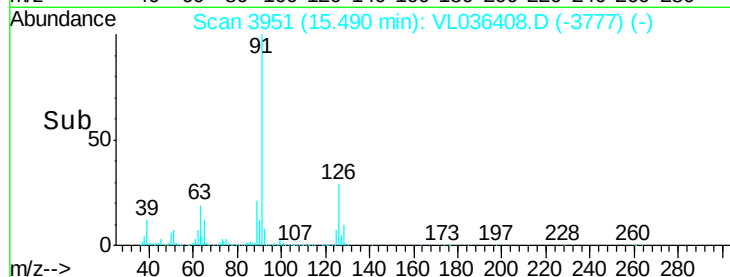
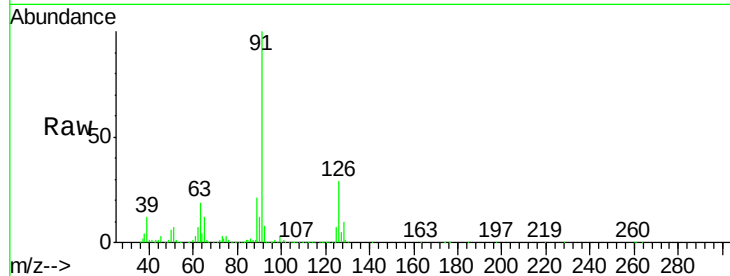
91 100

126 29.8 11.5 46.1

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#72

4-Ethyltoluene

Concen: 9.425 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. 0.06 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

Tgt Ion: 105 Resp: 4391525

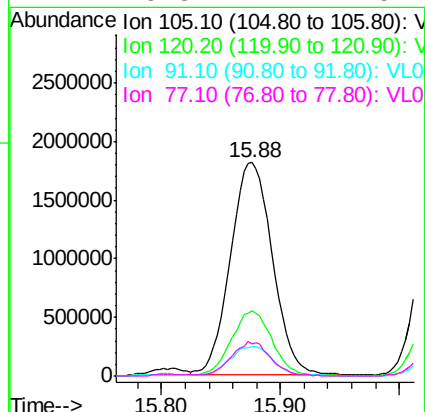
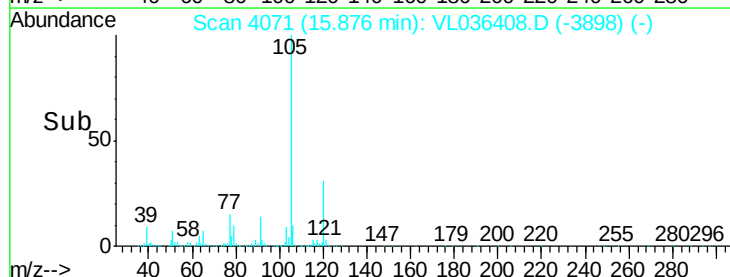
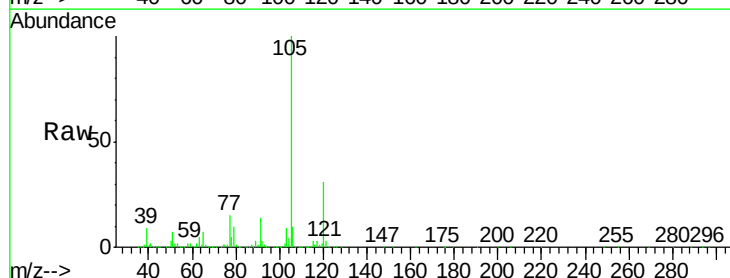
Ion Ratio Lower Upper

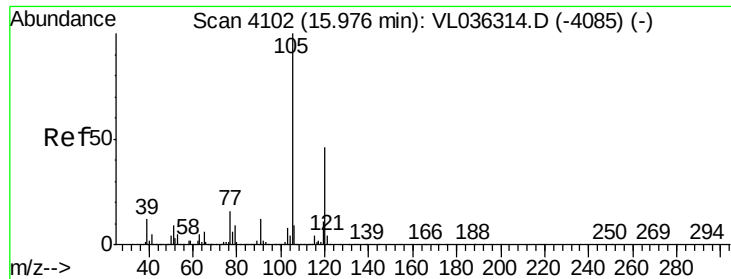
105 100

120 30.2 23.2 34.8

91 14.1 11.0 16.4

77 15.8 12.2 18.4





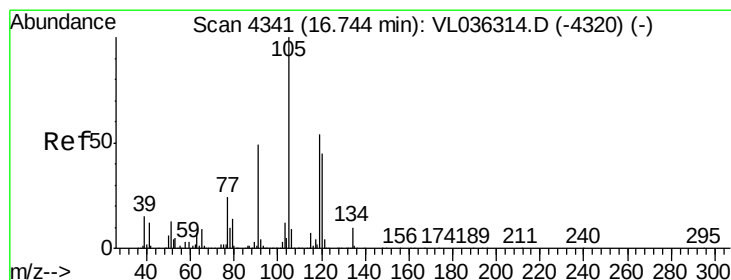
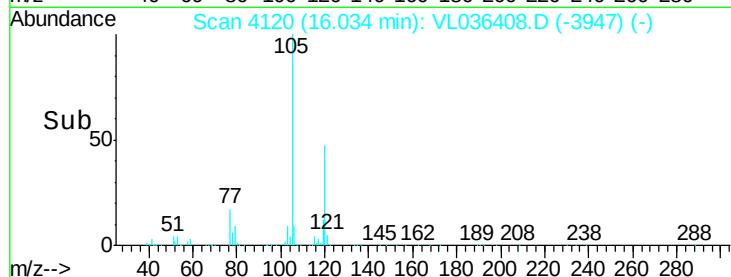
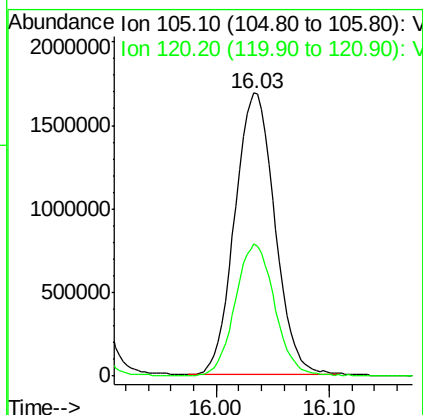
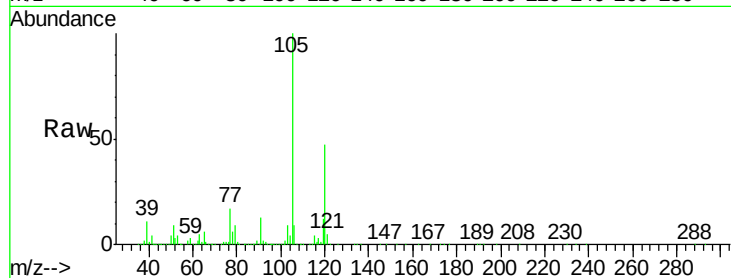
#73
 1,3,5-Trimethylbenzene
 Concen: 9.196 ppbv
 RT: 16.03 min Scan# 4120
 Delta R.T. 0.06 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:105 Resp: 4153610
 Ion Ratio Lower Upper
 105 100
 120 46.7 36.9 55.3

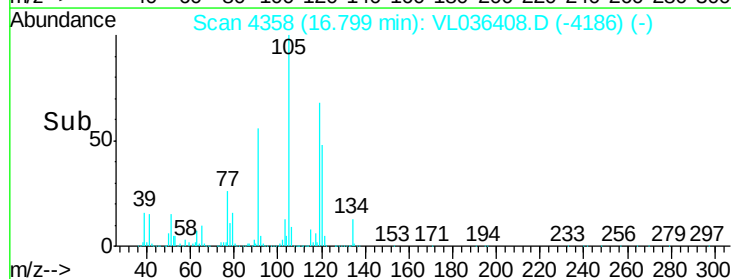
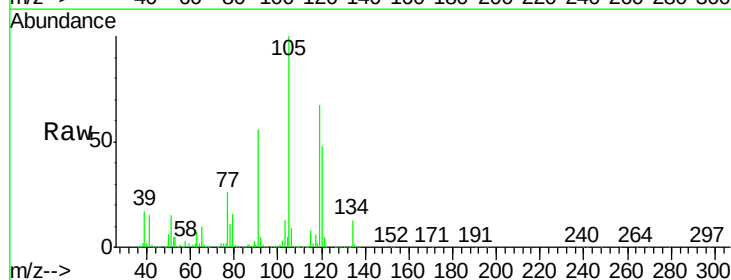
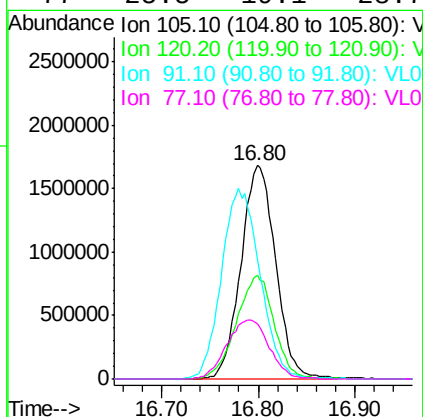
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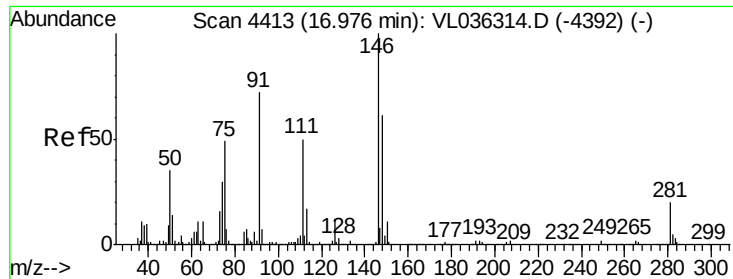
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.105 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. 0.05 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Tgt Ion:105 Resp: 4198321
 Ion Ratio Lower Upper
 105 100
 120 48.4 35.8 53.6
 91 55.6 39.8 59.6
 77 25.5 19.1 28.7





#75

1,3-Dichlorobenzene

Concen: 9.154 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. 0.05 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 2290956

Ion Ratio Lower Upper

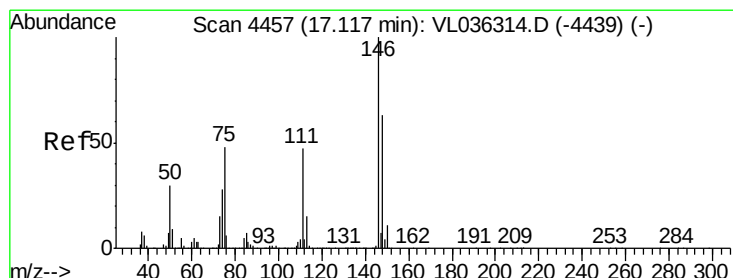
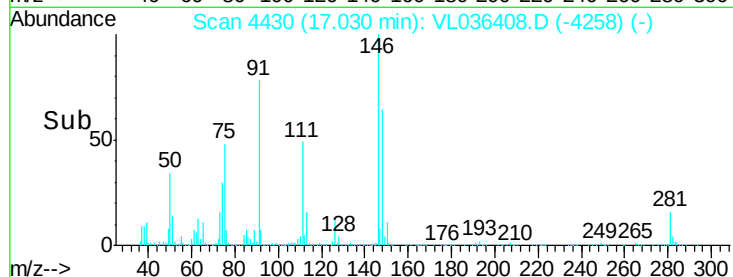
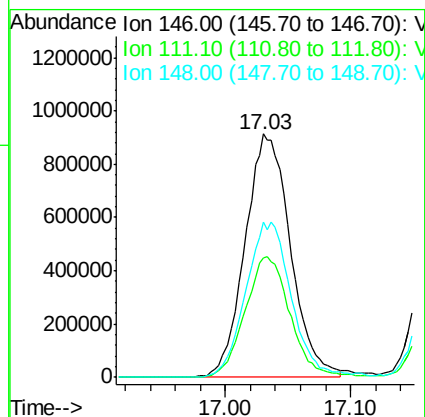
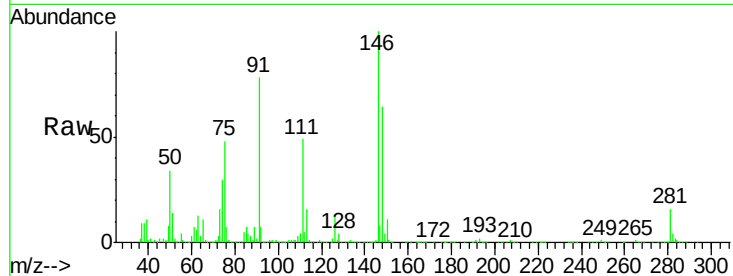
146 100

111 49.6 24.9 74.6

148 64.5 31.9 95.9

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#76

1,4-Dichlorobenzene

Concen: 8.714 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. 0.06 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

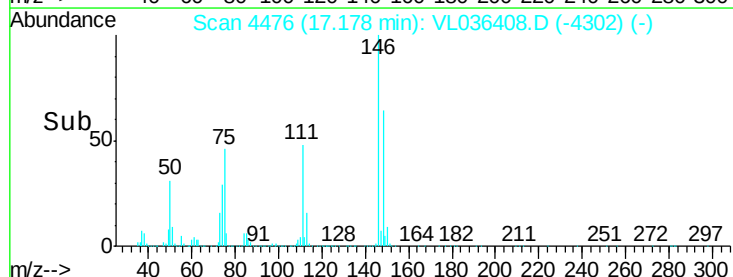
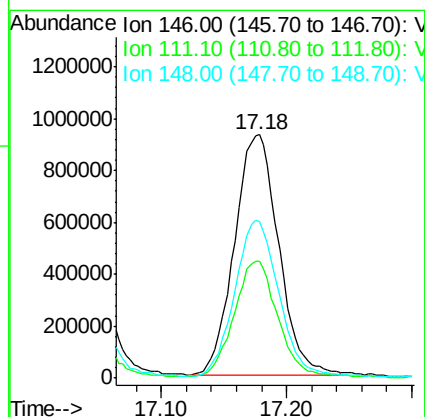
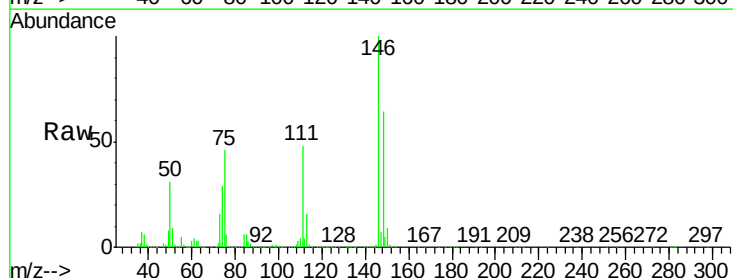
Tgt Ion:146 Resp: 2264688

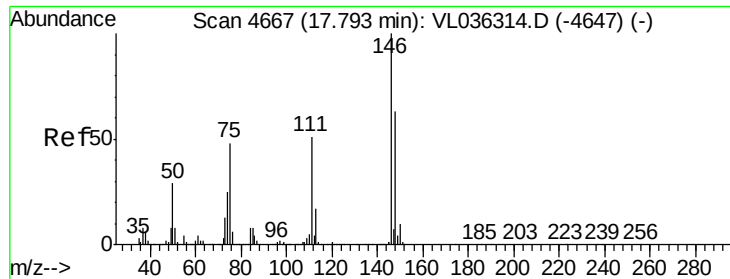
Ion Ratio Lower Upper

146 100

111 48.6 23.6 71.0

148 66.1 31.6 95.0





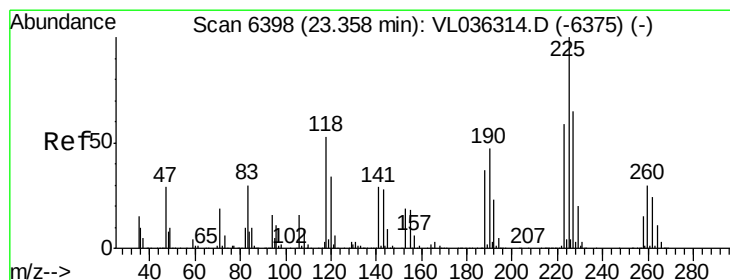
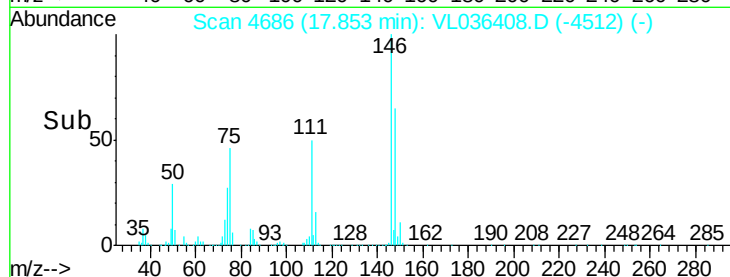
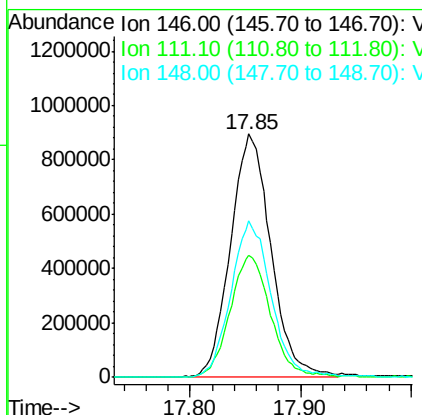
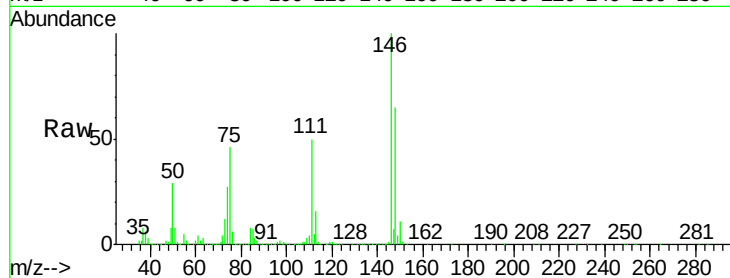
#77
 1,2-Dichlorobenzene
 Concen: 9.063 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. 0.06 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:146 Resp: 2250052
 Ion Ratio Lower Upper
 146 100
 111 50.7 25.9 77.8
 148 64.3 32.5 97.4

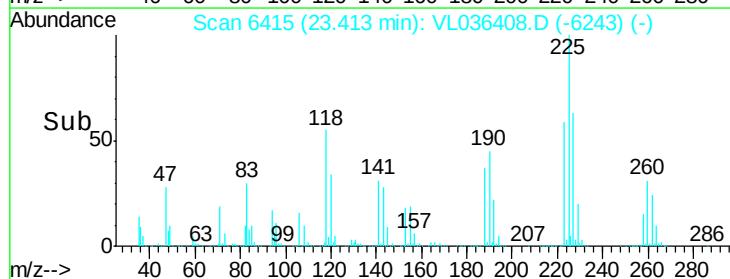
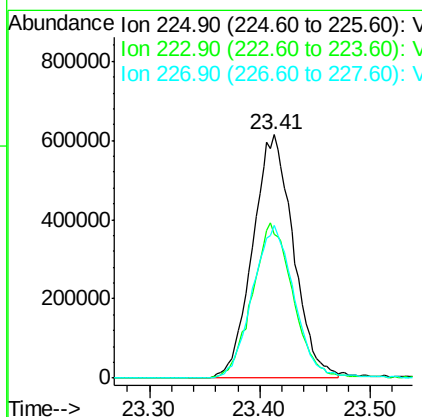
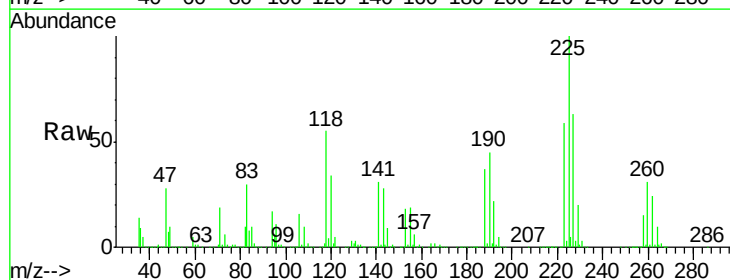
Manual Integrations
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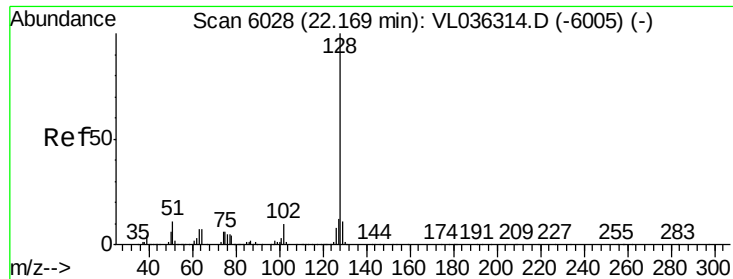
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.750 ppbv
 RT: 23.41 min Scan# 6415
 Delta R.T. 0.05 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Tgt Ion:225 Resp: 1571965
 Ion Ratio Lower Upper
 225 100
 223 64.5 50.8 76.2
 227 64.8 52.2 78.2





#79

Naphthalene

Concen: 11.076 ppbv

RT: 22.24 min Scan# 6050

Delta R.T. 0.07 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:128 Resp: 3027318

Ion Ratio Lower Upper

128 100

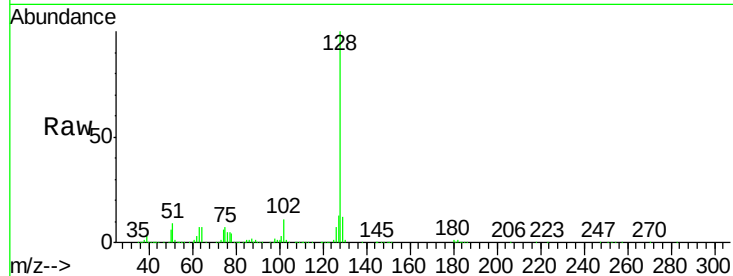
127 13.1 9.6 14.4

129 12.5 8.5 12.7

Manual Integrations
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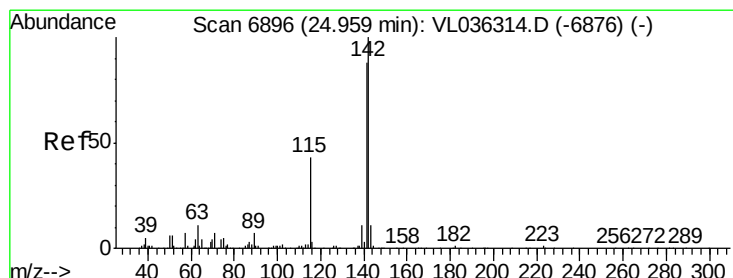
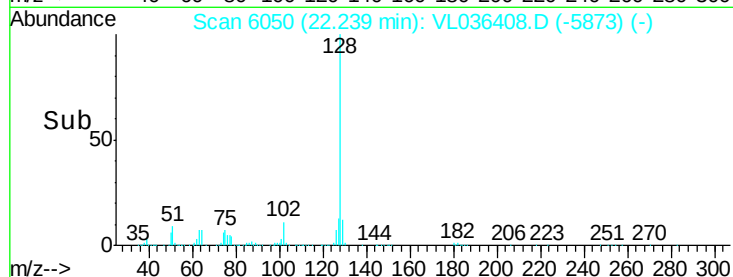
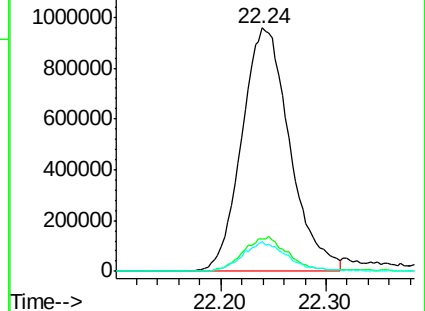
3/2/2021 3:29:58 PM



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 14.600 ppbv

RT: 25.00 min Scan# 6910

Delta R.T. 0.04 min

Lab File: VL036408.D

Acq: 1 Mar 2021 9:24

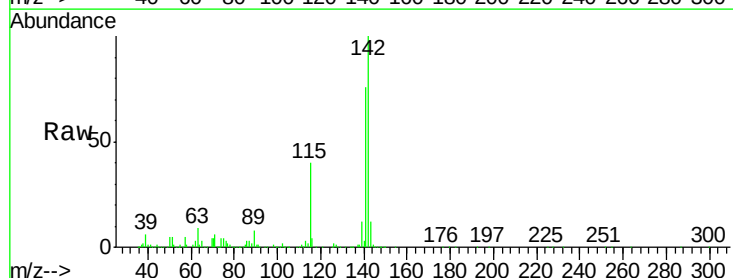
Tgt Ion:142 Resp: 738882

Ion Ratio Lower Upper

142 100

141 81.8 64.4 96.6

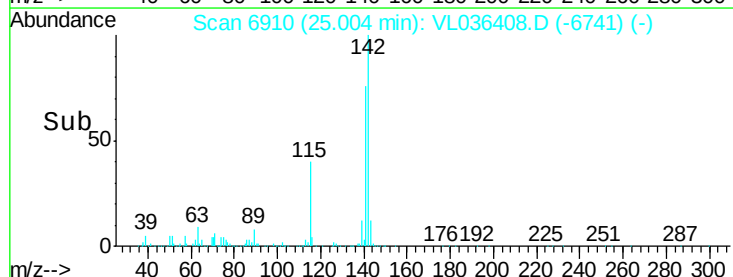
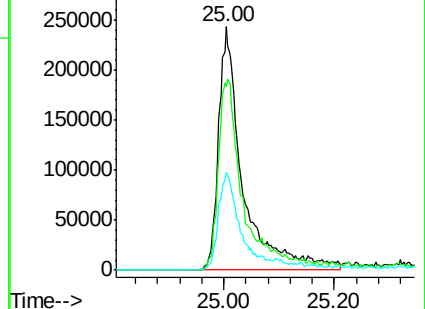
115 35.5 34.6 51.8

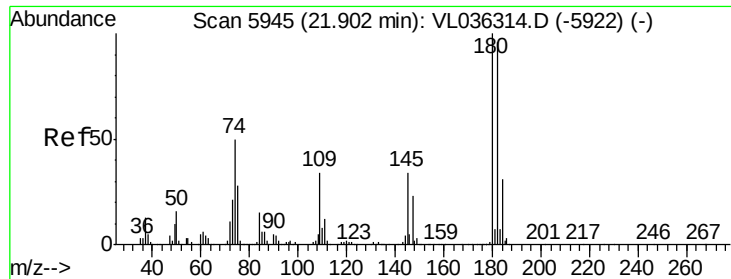


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.589 ppbv
 RT: 21.97 min Scan# 5966
 Delta R.T. 0.07 min
 Lab File: VL036408.D
 Acq: 1 Mar 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.0	80.2	120.4
184	31.0	25.0	37.6

Manual Integrations
 APPROVED

MMDadoda
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