

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037096.D
 Acq On : 2 Jun 2021 8:09
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 2:59:44 PM

Quant Time: Jun 02 19:07:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1426912	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4330285	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4062274m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3186721	10.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2284635	9.438	ppbv	99
3) Chlorodifluoromethane	2.98	51	2612768	9.995	ppbv	96
4) Chloromethane	3.12	50	874182	9.827	ppbv	98
5) Vinyl Chloride	3.24	62	961908	9.893	ppbv	98
6) Bromomethane	3.46	94	576394	11.250	ppbv	100
7) Chloroethane	3.54	64	348921	11.052	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	2456689	10.809	ppbv	96
9) Propene	3.00	41	796549	8.509	ppbv	96
10) Heptane	8.10	43	2139818	9.173	ppbv	100
11) Trichlorofluoromethane	3.93	101	2624332	11.713	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1811905	11.353	ppbv	96
13) Ethanol	3.60	45	97274	7.788	ppbv	98
14) Bromoethene	3.73	108	773192	10.999	ppbv	99
15) Acetone	3.84	43	1278969	8.751	ppbv	97
16) 1,3-Butadiene	3.31	39	936840	10.317	ppbv	96
17) tert-Butyl alcohol	4.28	59	1346197	10.055	ppbv	98
18) 1,1-Dichloroethene	4.27	96	801293	10.858	ppbv	98
19) Isopropyl Alcohol	3.95	45	787367	10.022	ppbv #	35
20) Methylene Chloride	4.33	84	634682	8.101	ppbv	97
21) Allyl Chloride	4.40	41	1138948	10.330	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	809288	11.442	ppbv	98
23) Vinyl Acetate	5.06	43	2131014	9.186	ppbv #	99
24) 1,1-Dichloroethane	5.00	63	1793637	10.742	ppbv	100
25) Ethyl Acetate	5.66	43	3304636	9.409	ppbv	100
26) Hexane	5.67	57	1603540	8.938	ppbv	97
27) Carbon Disulfide	4.53	76	1820051	10.065	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	2051904	9.541	ppbv	99
29) Chloroform	5.74	83	2683106	10.585	ppbv	97
30) Cyclohexane	7.11	84	1431183	9.387	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1636076	10.171	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	2764648	10.157	ppbv	99
34) 2-Butanone	5.23	43	1584946	10.052	ppbv	100
35) Carbon Tetrachloride	7.00	117	2974937	10.340	ppbv	98
36) Benzene	6.87	78	3417718	9.163	ppbv	99
37) 1,2-Dichloroethane	6.29	62	2023254	10.941	ppbv	99
38) Trichloroethene	7.82	130	1464289	9.177	ppbv	99
39) 1,2-Dichloropropane	7.60	63	1284618	8.941	ppbv	95
40) 1,4-Dioxane	7.82	88	317445	9.357	ppbv #	100
41) Tetrahydrofuran	6.03	42	785552	8.747	ppbv	98
42) Bromodichloromethane	7.77	83	2869603	10.257	ppbv	99
43) Methyl Methacrylate	8.00	69	1235968	9.614	ppbv	98

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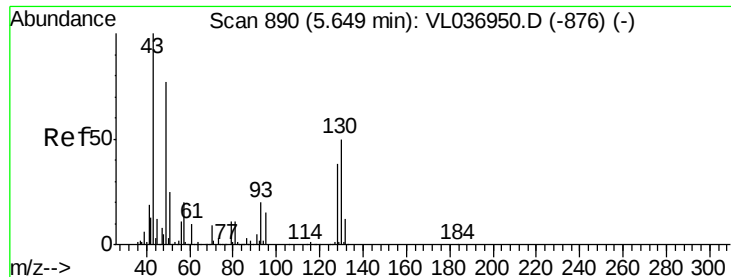
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5563128	8.693	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1181184	12.026	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1500672	11.360	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1478682	9.833	ppbv	99
48) Dibromochloromethane	10.28	129	2633803	10.817	ppbv	100
49) Bromoform	13.02	173	2185136	10.866	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2415684	9.284	ppbv	98
51) 2-Hexanone	10.12	43	1282837	9.326	ppbv #	94
52) Tetrachloroethene	11.20	164	1451098	9.784	ppbv	96
53) Toluene	9.79	91	4146766	9.343	ppbv	98
54) 1,2-Dibromoethane	10.59	107	2231501	10.437	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1786507	10.452	ppbv #	56
57) Chlorobenzene	12.13	112	3174241	10.078	ppbv	98
58) Ethyl Benzene	12.69	91	5539199	9.661	ppbv	99
59) m/p-Xylene	12.98	91	9350429m	19.730	ppbv	
60) o-Xylene	13.67	91	4448744	9.842	ppbv	100
61) Styrene	13.51	104	2592335	10.180	ppbv	97
62) Isopropylbenzene	14.65	105	6271344	9.654	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	3030979	8.979	ppbv	99
64) n-propylbenzene	15.54	120	1691181	10.090	ppbv	99
65) tert-Butylbenzene	16.73	119	5733655	9.782	ppbv	99
66) Benzyl Chloride	16.97	91	267956	8.239	ppbv	95
67) sec-Butylbenzene	17.27	105	7621022	9.531	ppbv	100
69) p-Isopropyltoluene	17.63	119	6611592	9.616	ppbv	99
70) n-Butylbenzene	18.53	91	6240153	9.554	ppbv	99
71) 2-Chlorotoluene	15.43	91	4612866	9.832	ppbv	98
72) 4-Ethyltoluene	15.82	105	5521765	10.293	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4991413	9.908	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	5197253	9.978	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	3165629	9.952	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	3150452	9.796	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	3109093	9.755	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1938276	7.563	ppbv	99
79) Naphthalene	22.17	128	3855568	9.434	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1032542	11.618	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	2284931	9.171	ppbv	96

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1426912

Ion Ratio Lower Upper

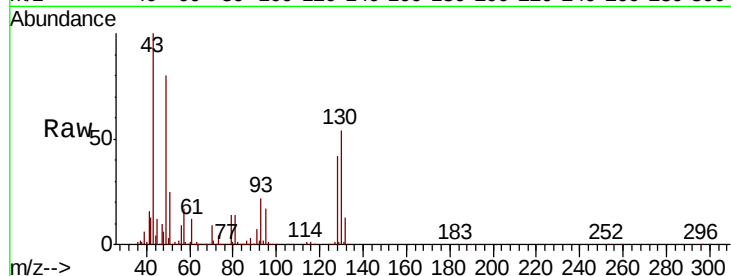
49 100

128 59.6 26.9 80.7

130 73.4 33.8 101.4

Manual Integrations
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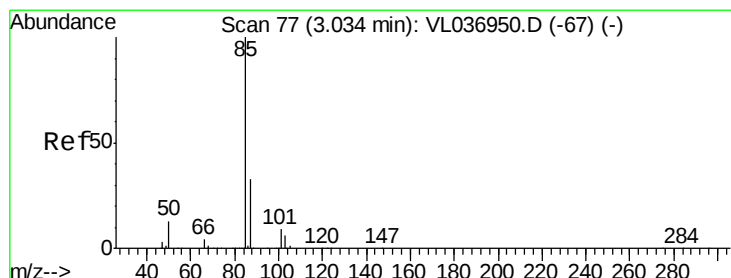
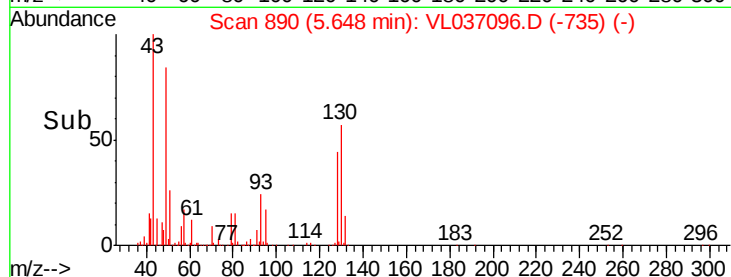
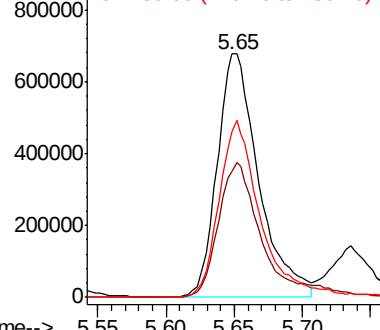
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.438 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL037096.D

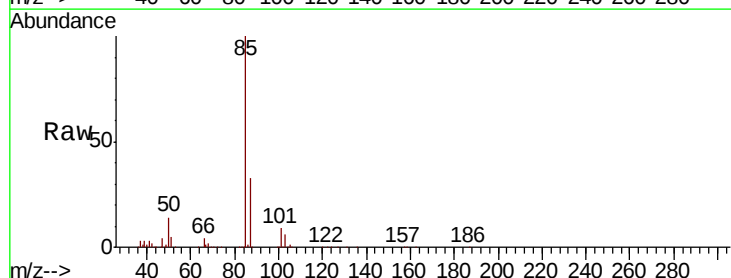
Acq: 2 Jun 2021 8:09

Tgt Ion: 85 Resp: 2284635

Ion Ratio Lower Upper

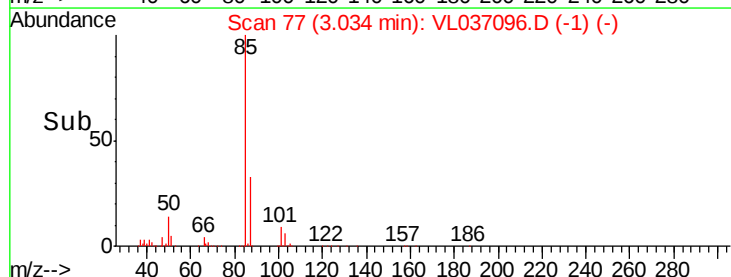
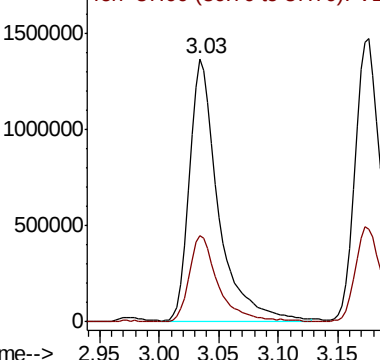
85 100

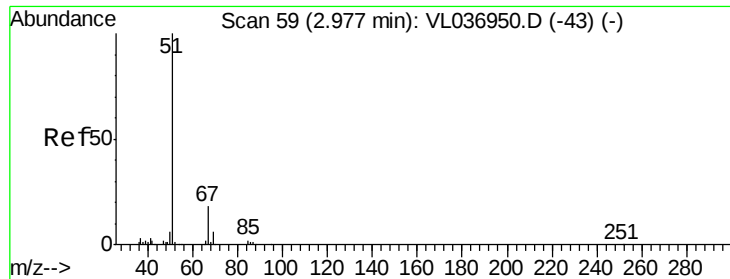
87 32.6 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.995 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

Tot Ion: 51 Resp: 2612768

Ion Ratio Lower Upper

51 100

67 20.1 14.6 21.8

Instrument :

MSVOA_L

ClientSampleId :

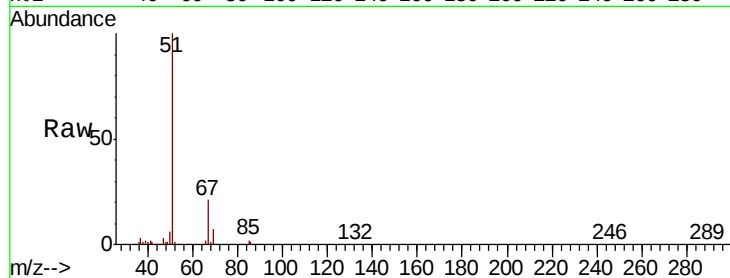
VSTDCCC010EC

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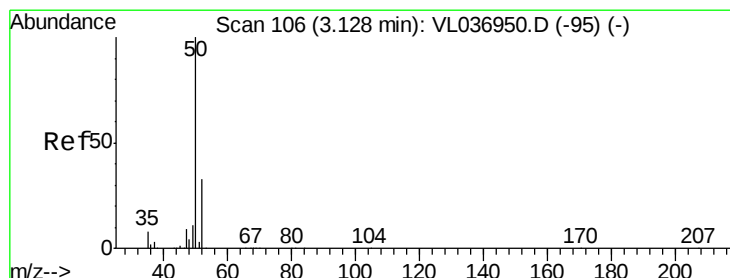
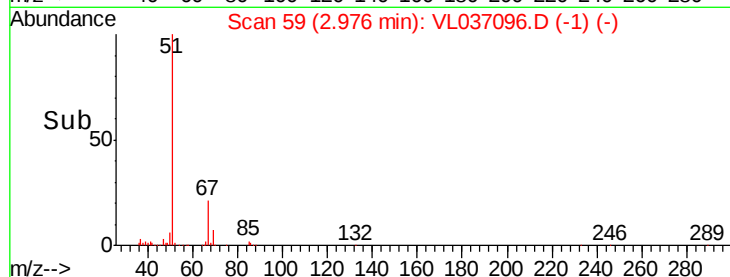
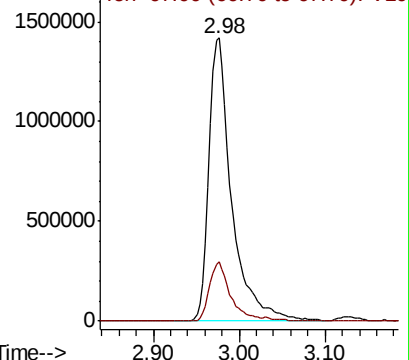
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.827 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL037096.D

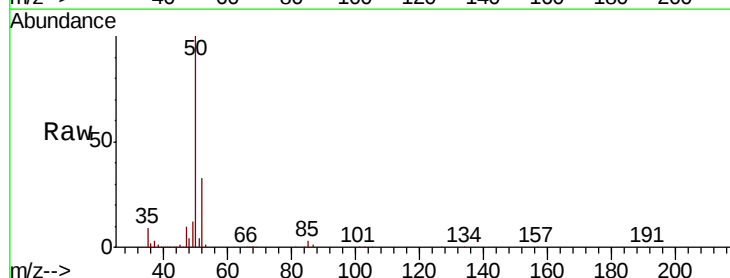
Acq: 2 Jun 2021 8:09

Tgt Ion: 50 Resp: 874182

Ion Ratio Lower Upper

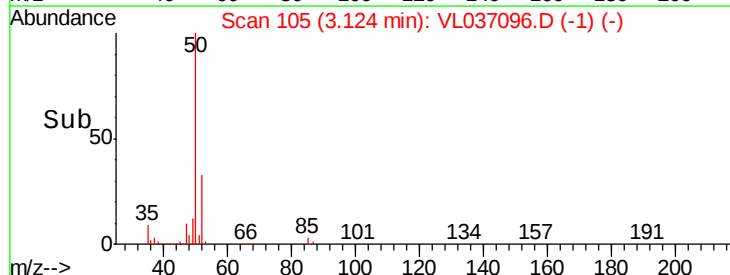
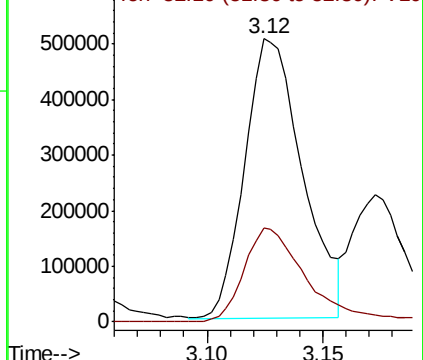
50 100

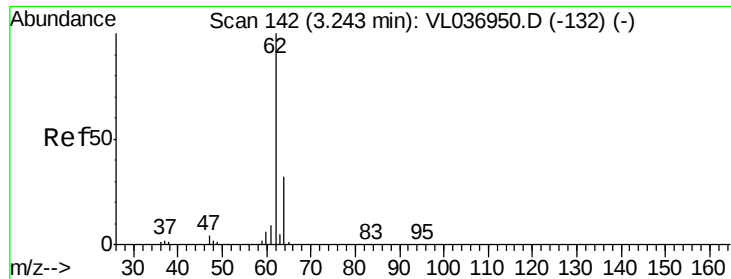
52 33.8 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.893 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 961908

Ion Ratio Lower Upper

62 100

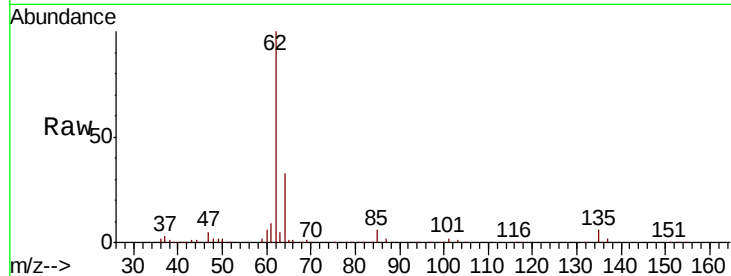
64 33.5 25.9 38.9

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

500000

400000

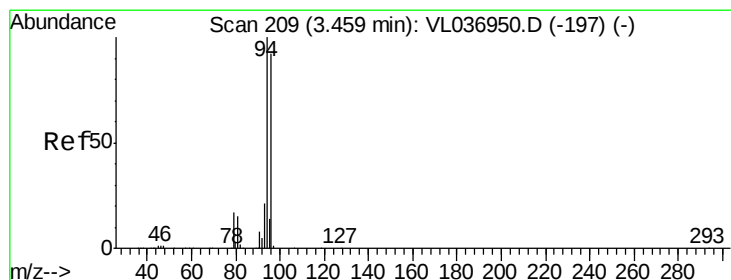
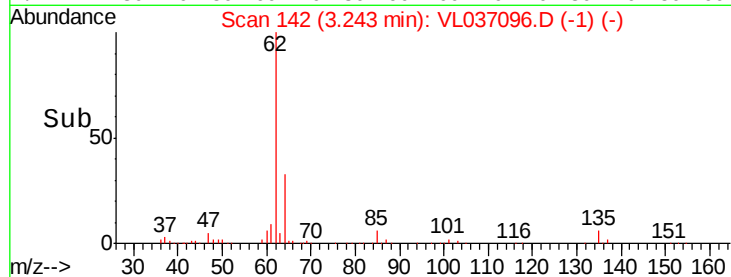
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 11.250 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL037096.D

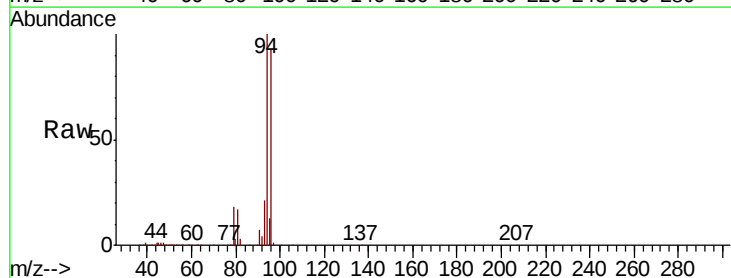
Acq: 2 Jun 2021 8:09

Tgt Ion: 94 Resp: 576394

Ion Ratio Lower Upper

94 100

96 92.5 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

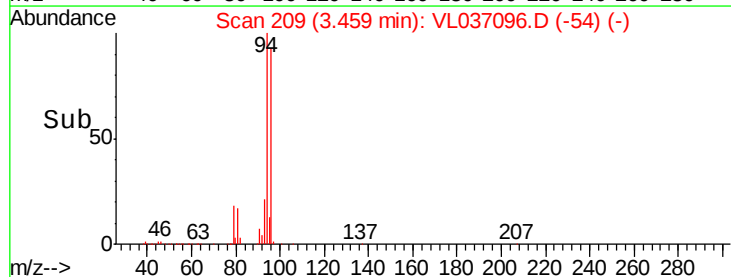
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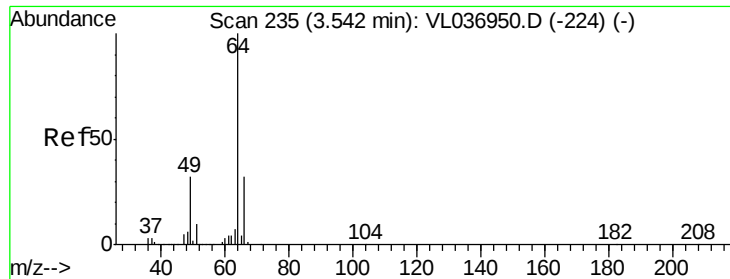
200000

100000

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Time-->





#7

Chloroethane

Concen: 11.052 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 348921

Ion Ratio Lower Upper

64 100

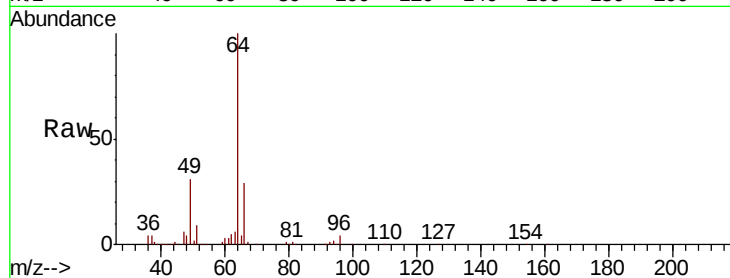
66 29.0 25.4 38.2

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

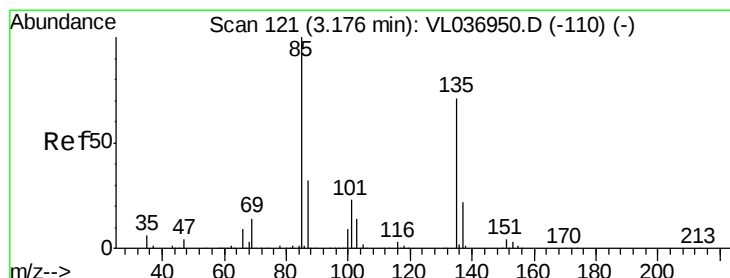
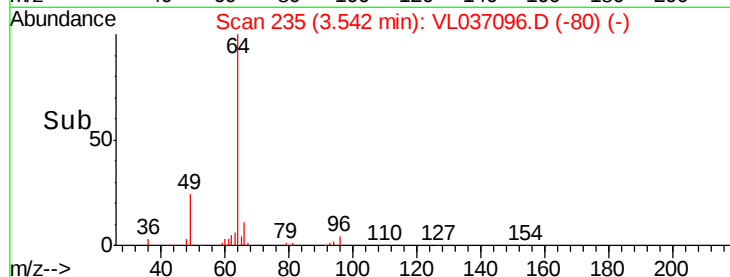
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.809 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL037096.D

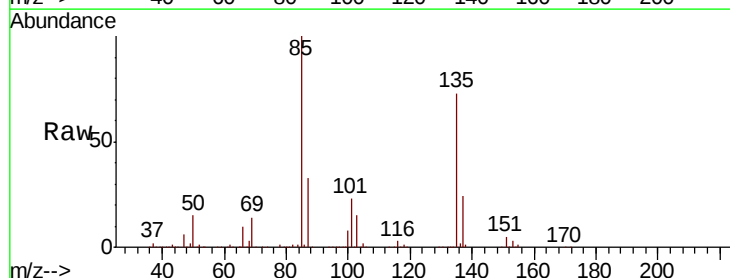
Acq: 2 Jun 2021 8:09

Tgt Ion: 85 Resp: 2456689

Ion Ratio Lower Upper

85 100

135 75.8 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

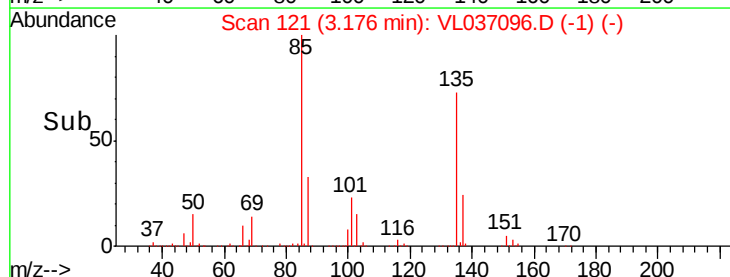
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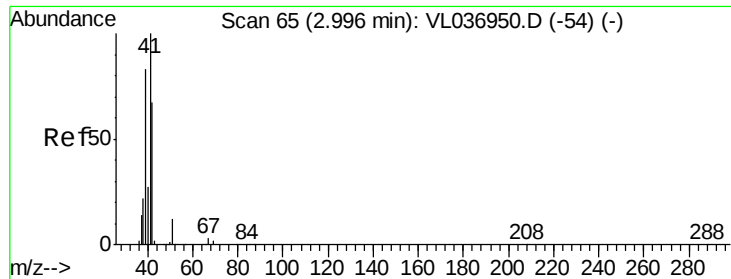
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500000

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Time-->





#9

Propene

Concen: 8.509 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 796549

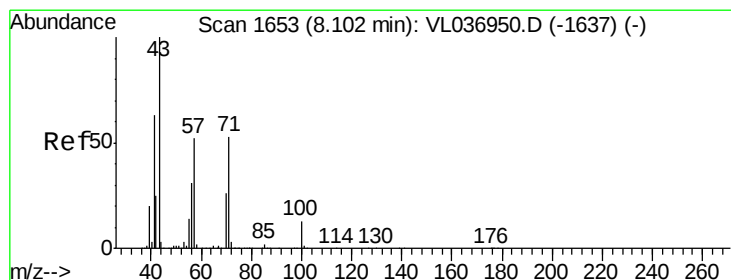
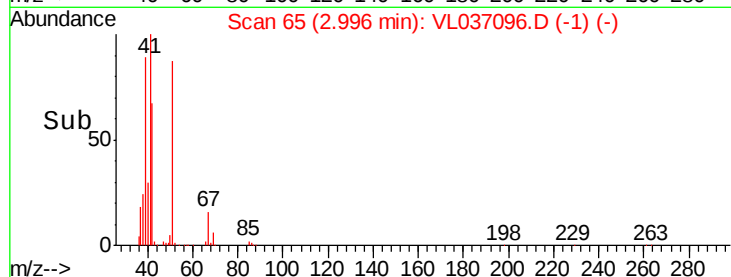
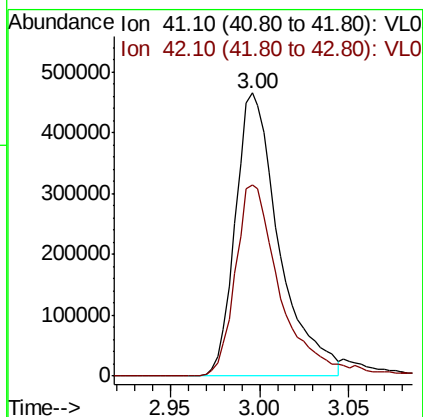
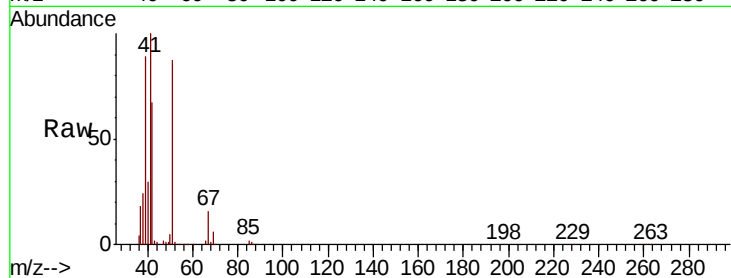
Ion Ratio Lower Upper

41 100

42 70.7 53.9 80.9

Manual Integrations
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#10

Heptane

Concen: 9.173 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL037096.D

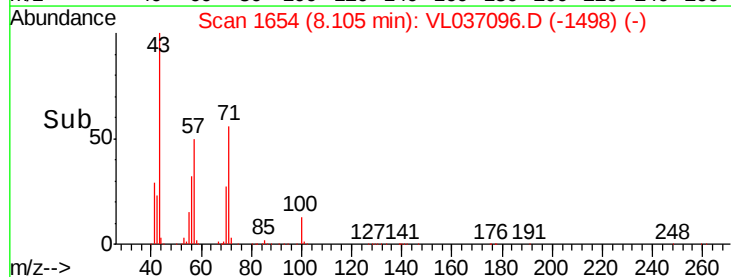
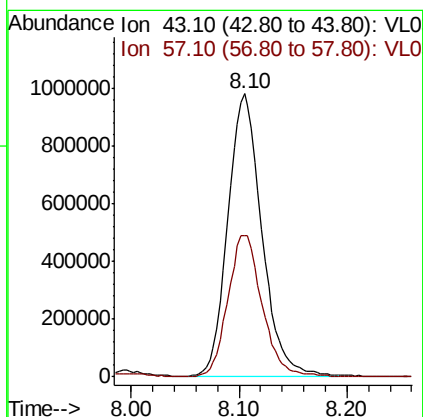
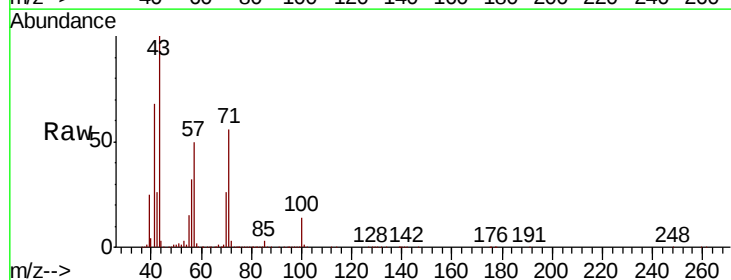
Acq: 2 Jun 2021 8:09

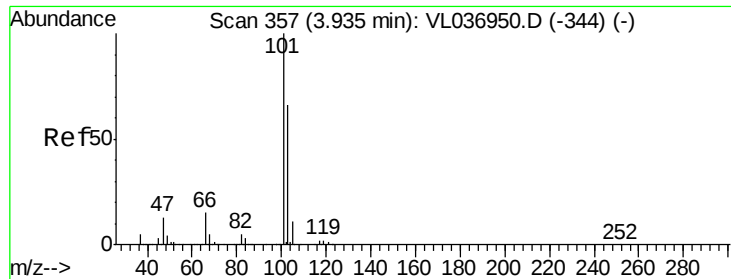
Tgt Ion: 43 Resp: 2139818

Ion Ratio Lower Upper

43 100

57 51.3 41.0 61.6





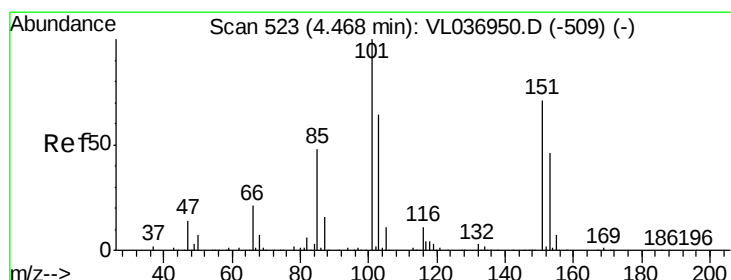
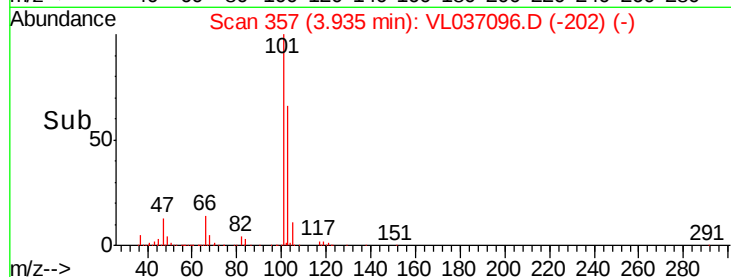
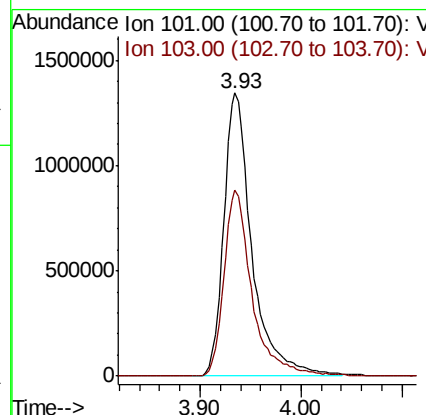
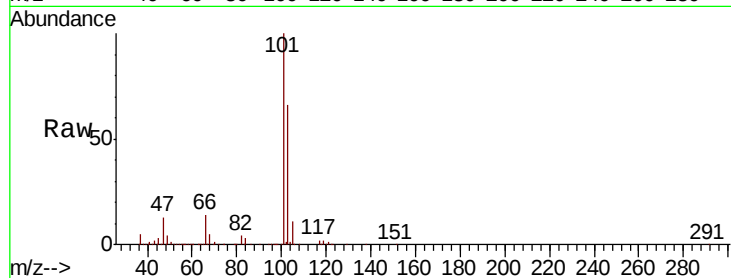
#11
 Trichlorofluoromethane
 Concen: 11.713 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2624332
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.6 79.0

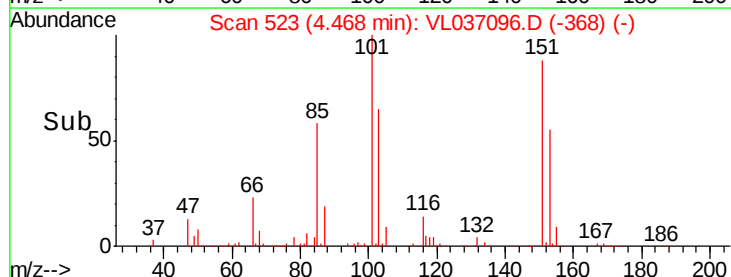
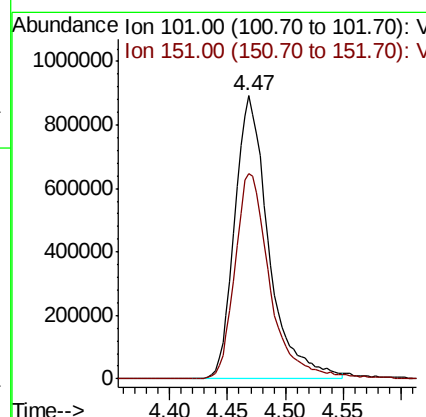
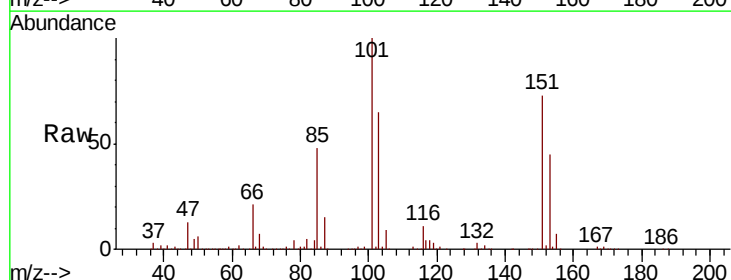
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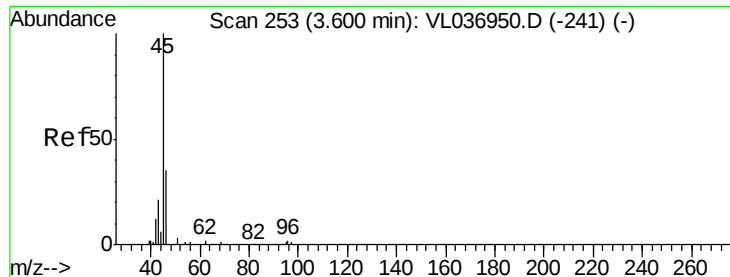
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.353 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Tgt Ion:101 Resp: 1811905
 Ion Ratio Lower Upper
 101 100
 151 75.0 57.7 86.5





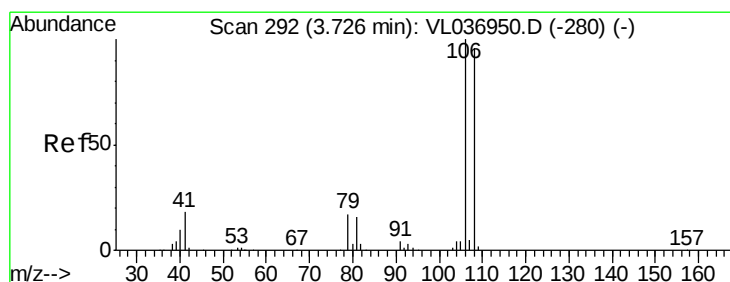
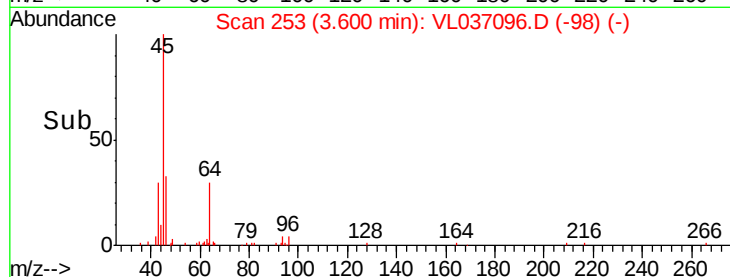
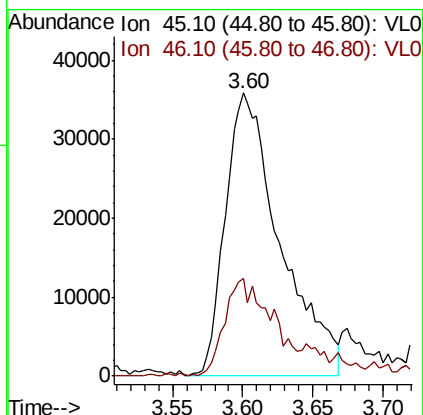
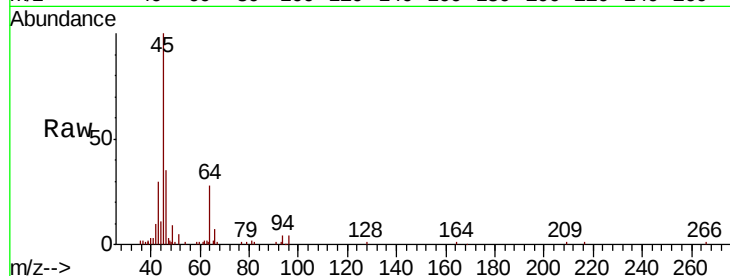
#13
Ethanol
Concen: 7.788 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	97274
Ion Ratio	100	Lower	Upper
45	100		
46	39.5	16.3	65.3

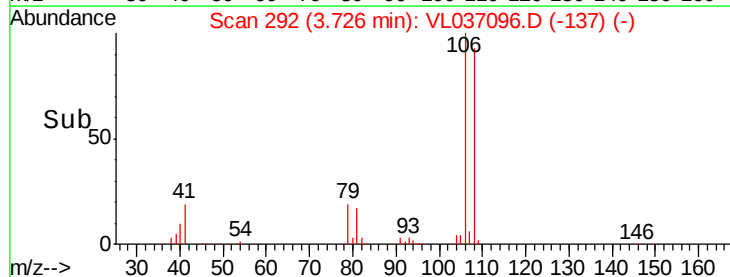
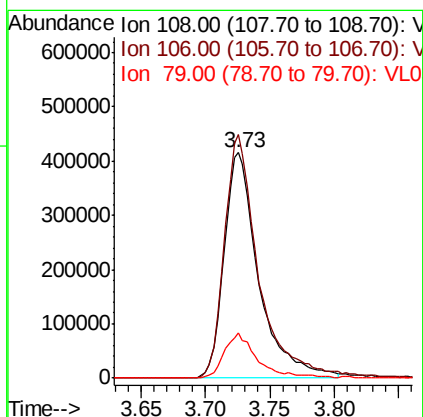
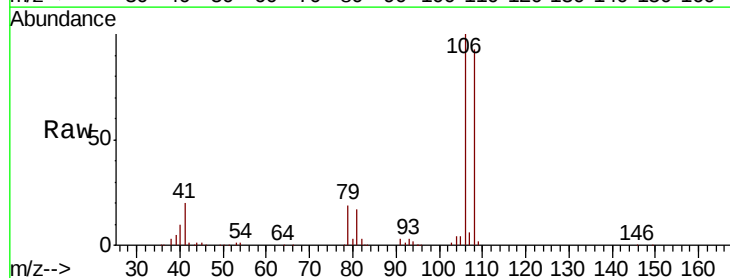
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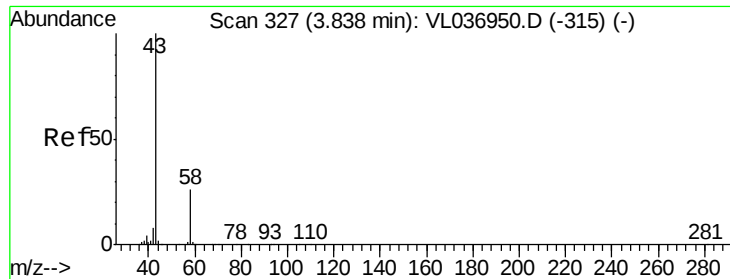
MMDadoda
6/7/2021 2:59:44 PM



#14
Bromoethene
Concen: 10.999 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Tgt Ion	108	Resp	773192
Ion Ratio	100	Lower	Upper
108	100		
106	108.4	86.5	129.7
79	19.8	15.0	22.4





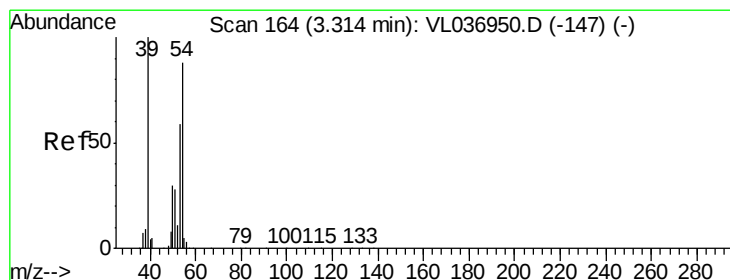
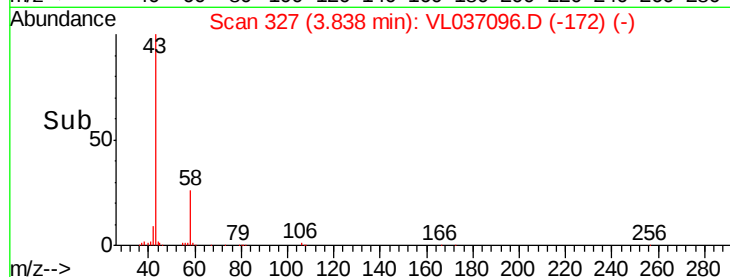
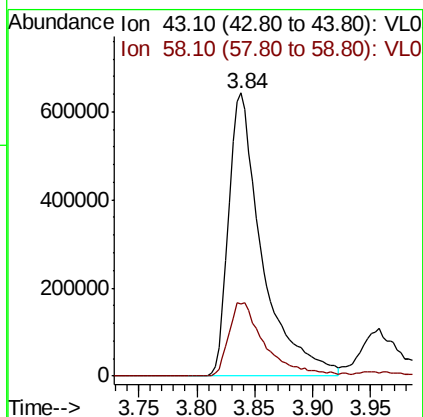
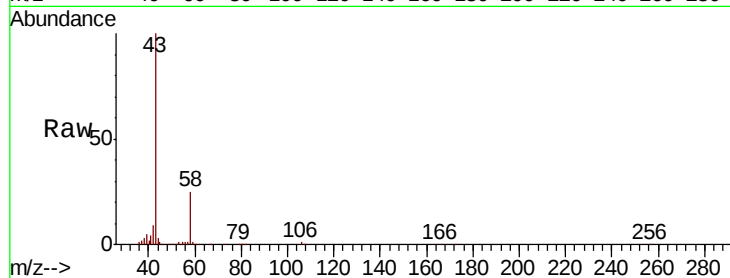
#15
Acetone
Concen: 8.751 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1278969
Ion Ratio Lower Upper
43 100
58 28.4 24.0 36.0

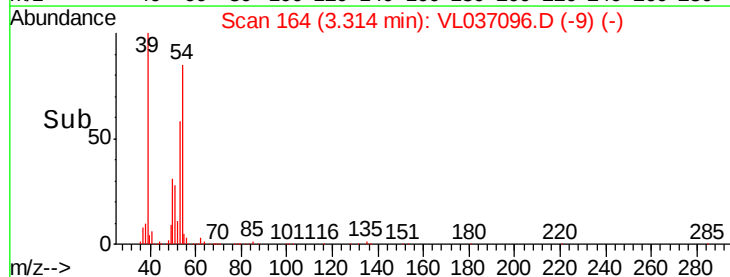
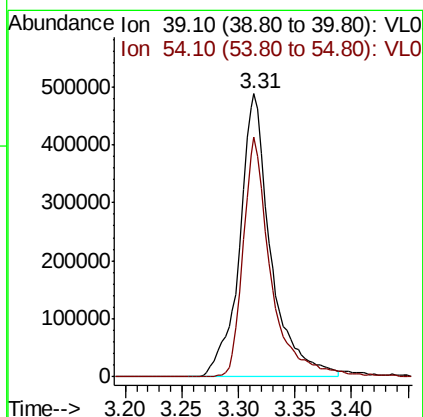
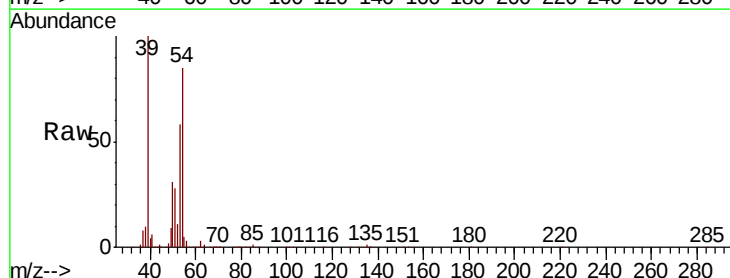
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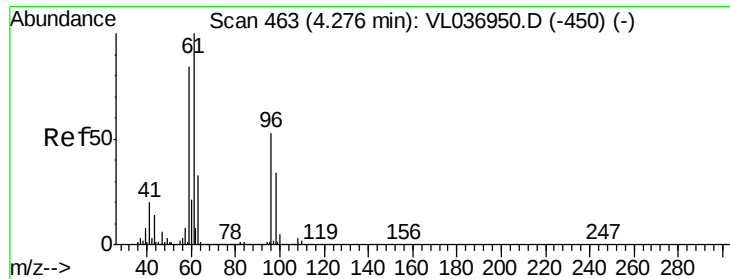
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#16
1,3-Butadiene
Concen: 10.317 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Tgt Ion: 39 Resp: 936840
Ion Ratio Lower Upper
39 100
54 75.7 63.2 94.8





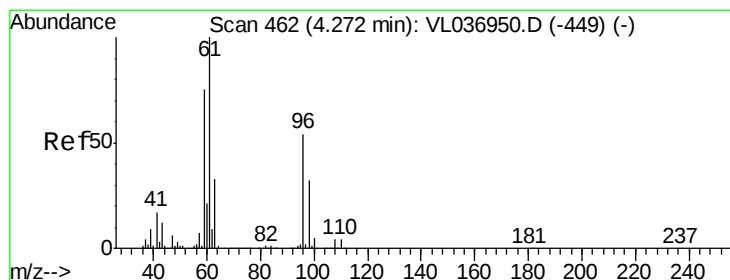
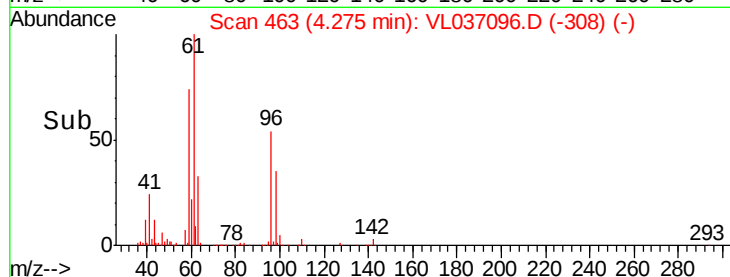
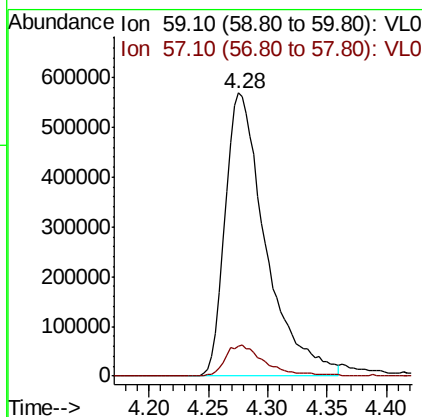
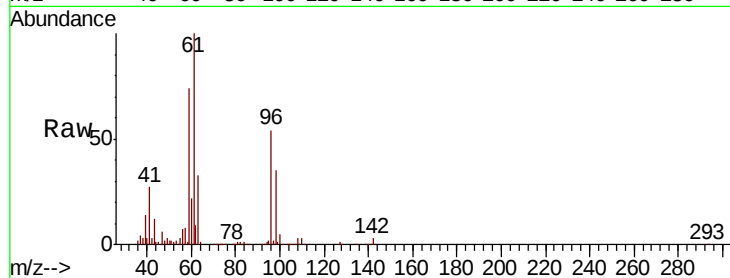
#17
tert-Butyl alcohol
Concen: 10.055 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1346197
Ion Ratio Lower Upper
59 100
57 11.2 8.3 12.5

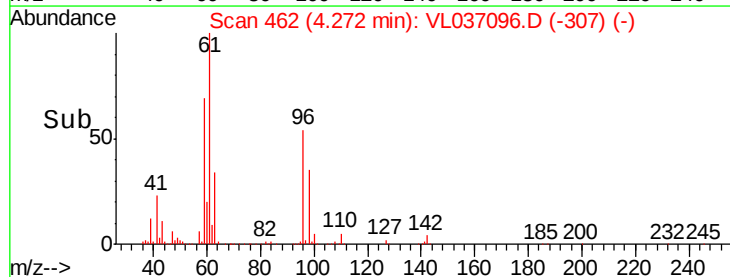
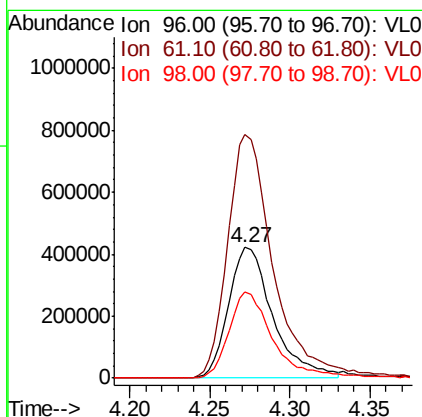
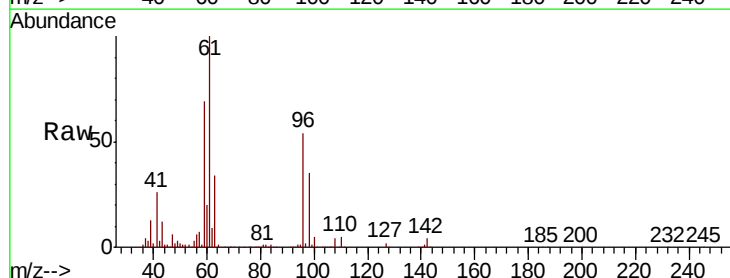
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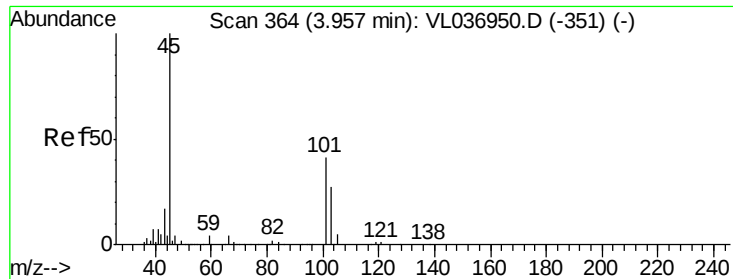
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#18
1,1-Dichloroethene
Concen: 10.858 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Tgt Ion: 96 Resp: 801293
Ion Ratio Lower Upper
96 100
61 185.7 148.2 222.4
98 65.6 47.8 71.6





#19

Isopropyl Alcohol

Concen: 10.022 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 787367

Ion Ratio Lower Upper

45 100

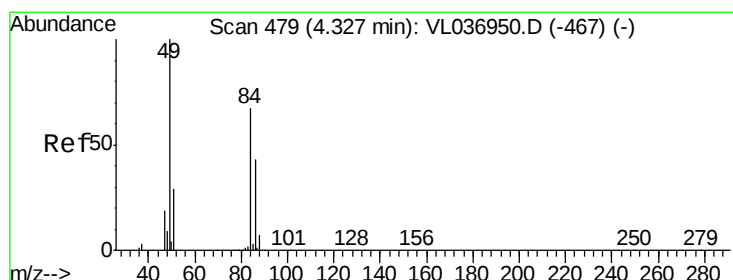
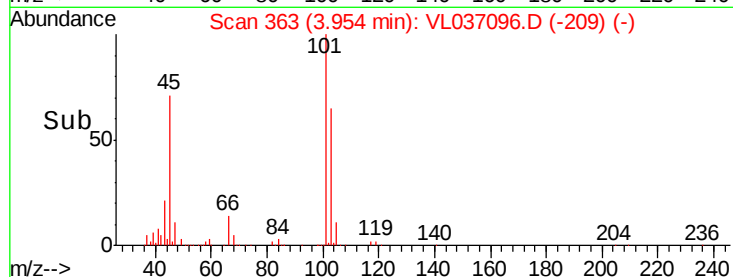
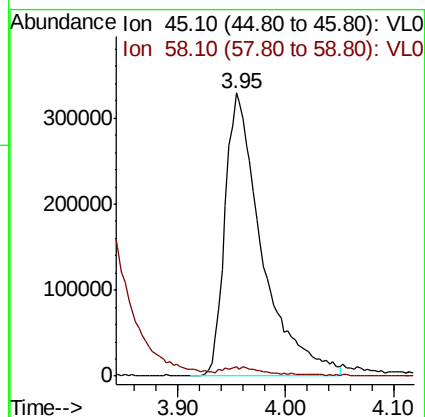
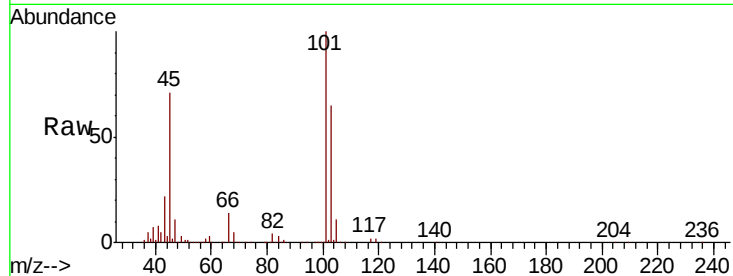
58 3.3 37.2 55.8#

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#20

Methylene Chloride

Concen: 8.101 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

Tgt Ion: 84 Resp: 634682

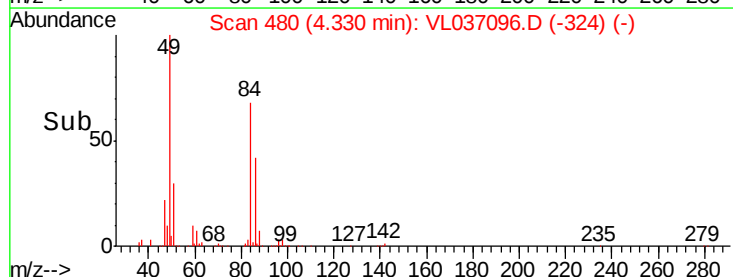
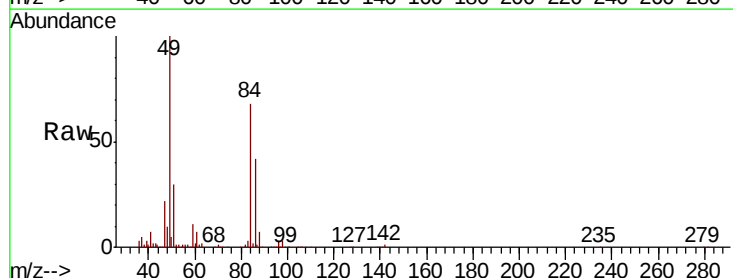
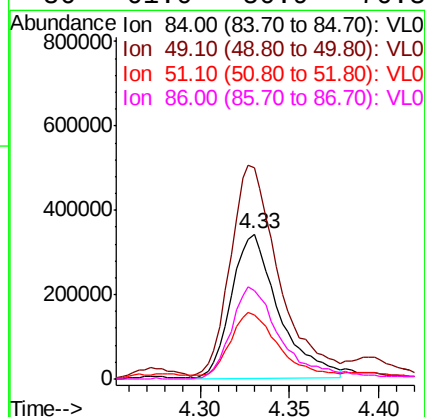
Ion Ratio Lower Upper

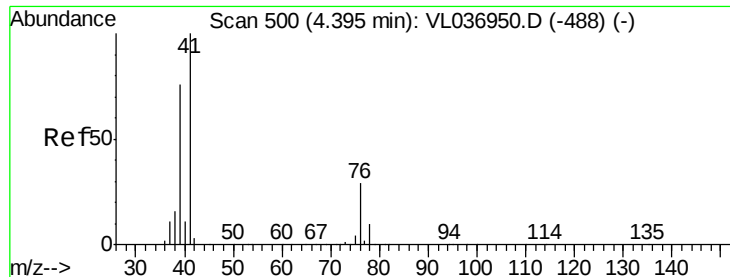
84 100

49 145.2 119.8 179.6

51 41.8 35.1 52.7

86 61.0 50.9 76.3





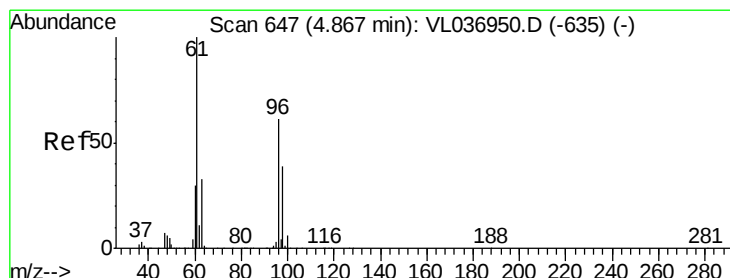
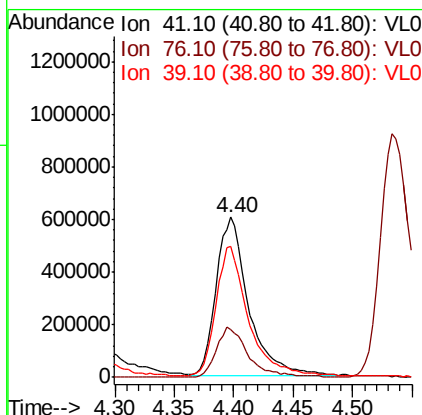
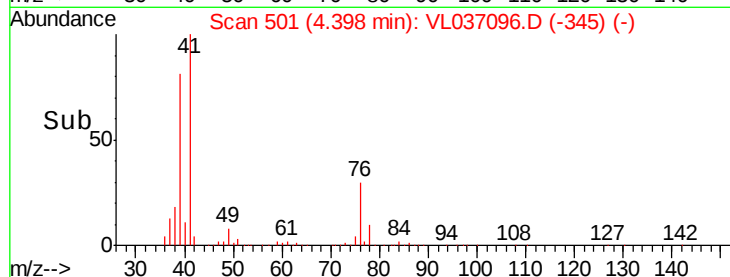
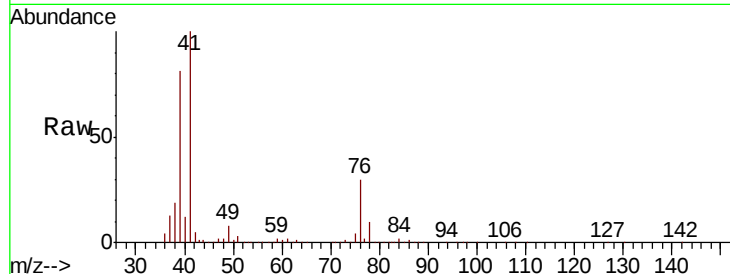
#21
Allvl Chloride
Concen: 10.330 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 41 Resp: 1138948
Ion Ratio Lower Upper
41 100
76 31.3 24.9 37.3
39 82.7 63.7 95.5

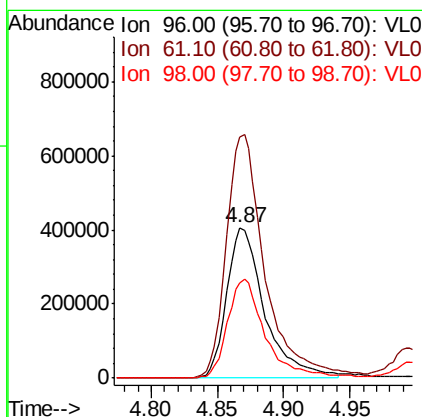
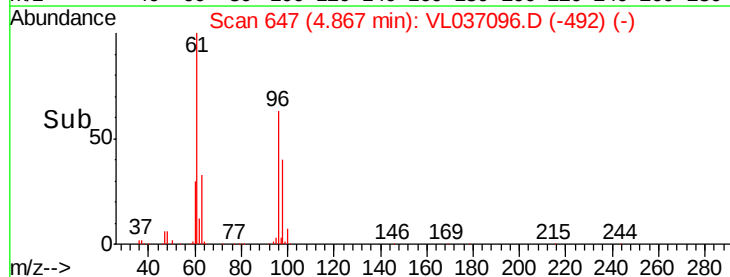
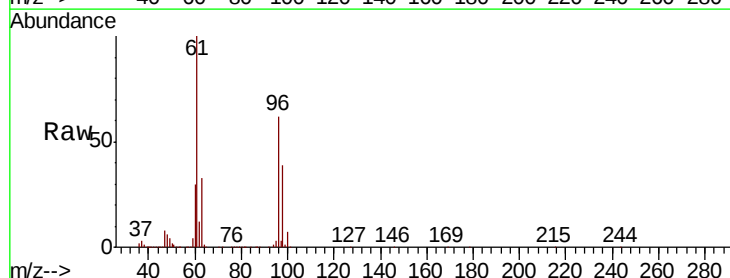
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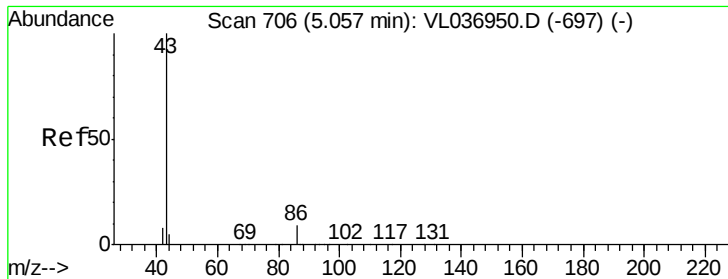
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#22
trans-1,2-Dichloroethene
Concen: 11.442 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Tgt Ion: 96 Resp: 809288
Ion Ratio Lower Upper
96 100
61 160.3 130.6 196.0
98 63.2 50.8 76.2





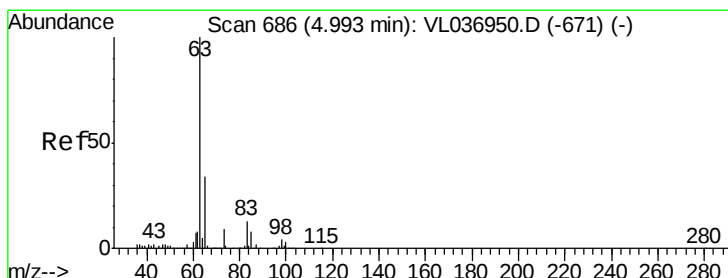
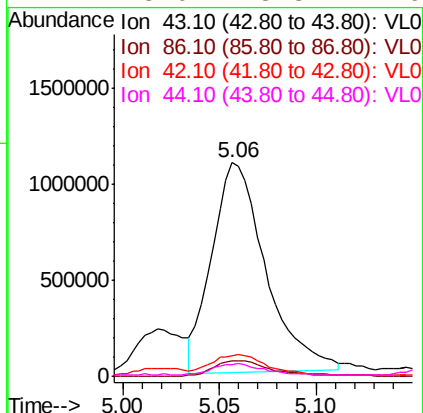
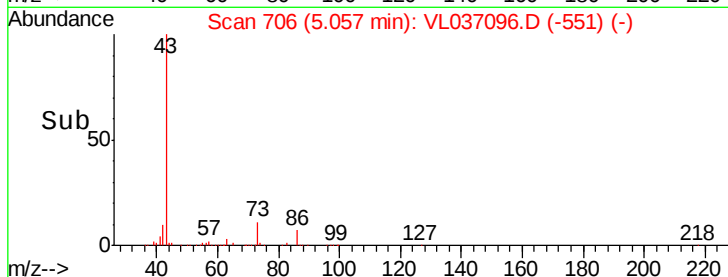
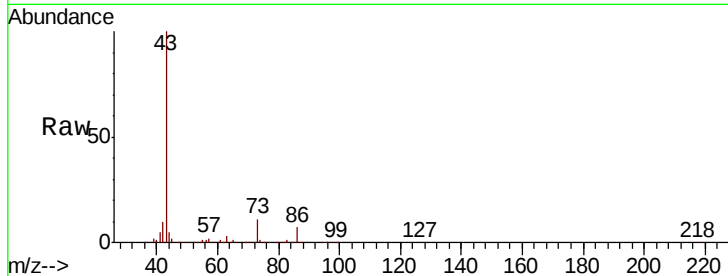
#23
 Vinyl Acetate
 Concen: 9.186 ppbv
 RT: 5.06 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	43	Resp	2131014
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.8	8.8
42	9.7	7.4	11.2
44	5.0	3.3	4.9#

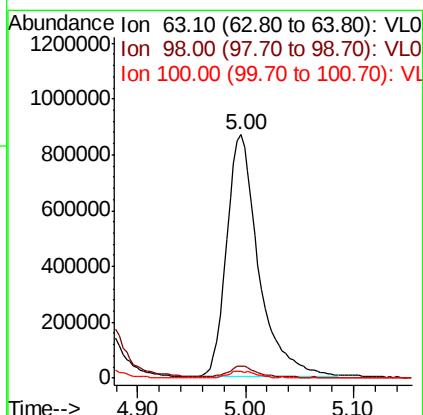
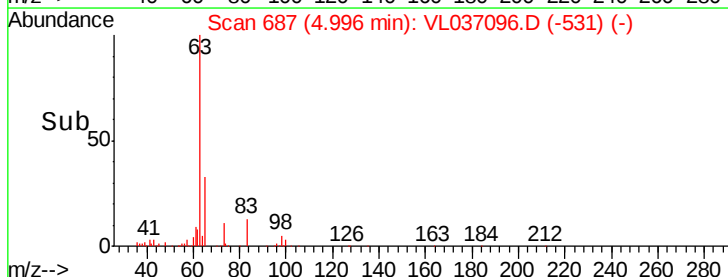
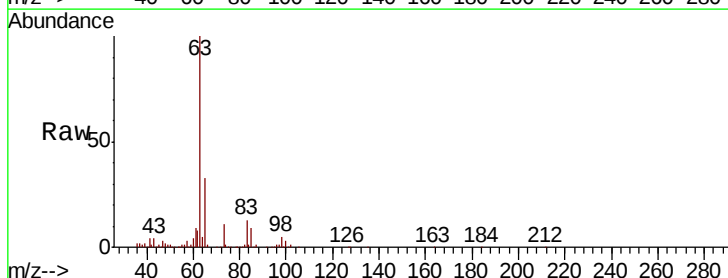
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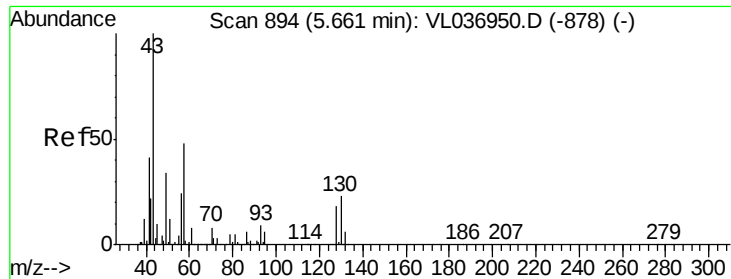
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#24
 1,1-Dichloroethane
 Concen: 10.742 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Tgt Ion	63	Resp	1793637
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.3	6.9
100	3.0	1.4	4.0





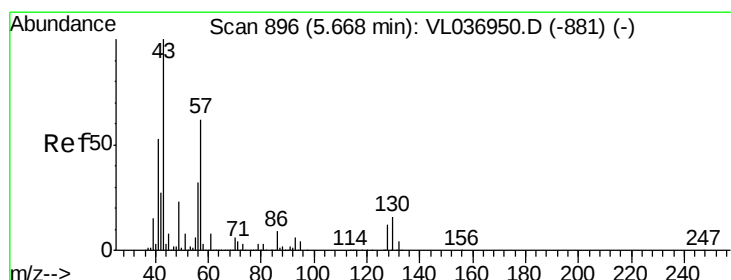
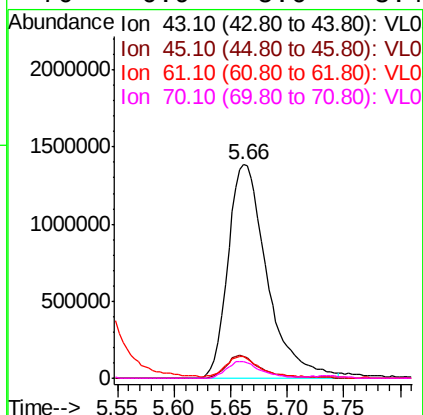
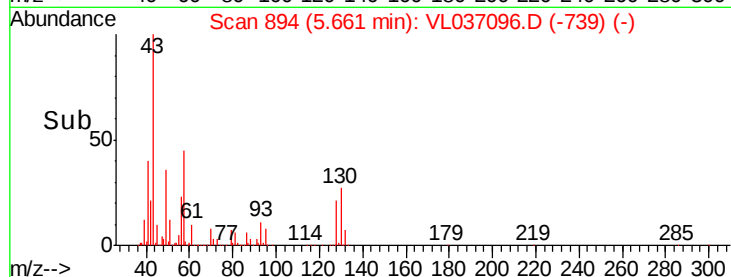
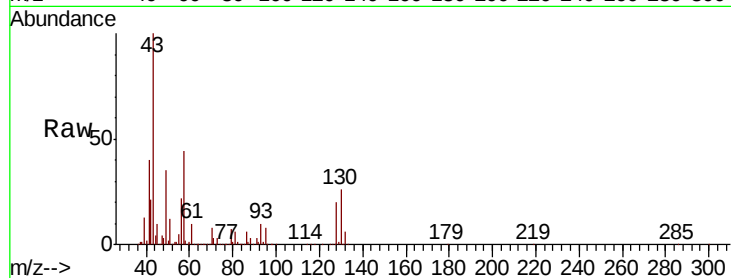
#25
Ethyl Acetate
Concen: 9.409 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	3304636
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	9.9	7.8	11.8
70	6.9	5.6	8.4

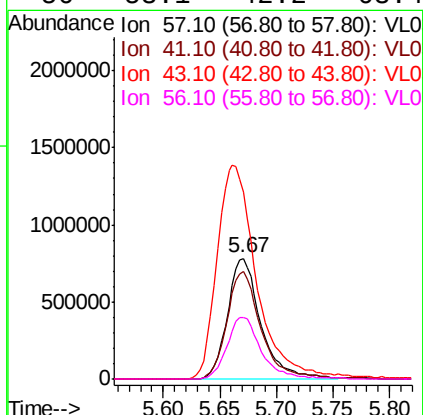
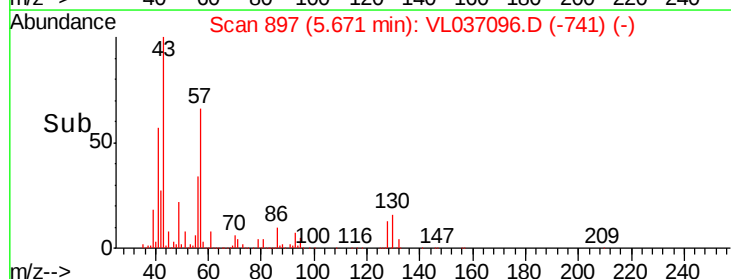
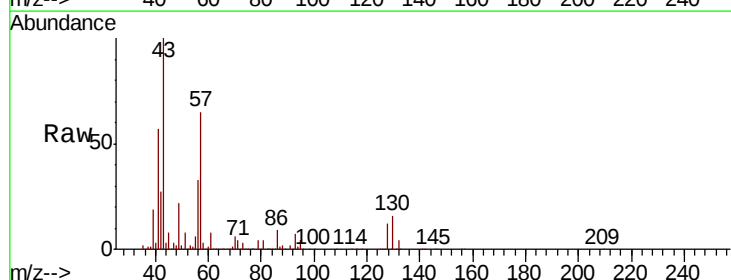
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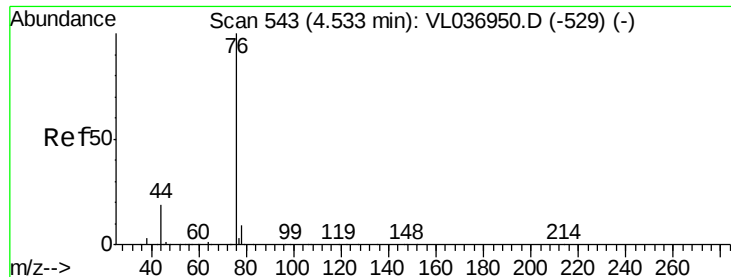
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#26
Hexane
Concen: 8.938 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Tgt Ion	57	Resp	1603540
Ion	Ratio	Lower	Upper
57	100		
41	91.8	70.5	105.7
43	211.2	165.8	248.8
56	53.1	42.2	63.4





#27

Carbon Disulfide

Concen: 10.065 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1820051

Ion Ratio Lower Upper

76 100

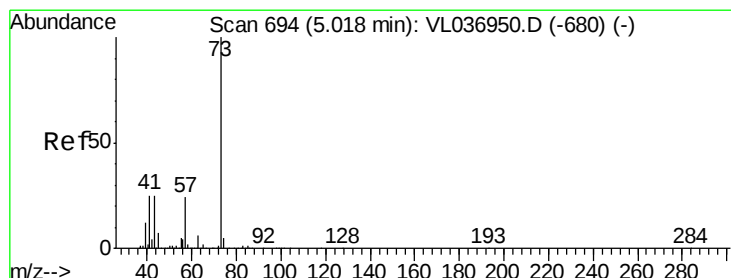
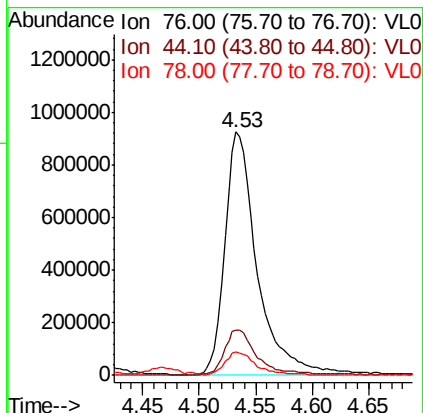
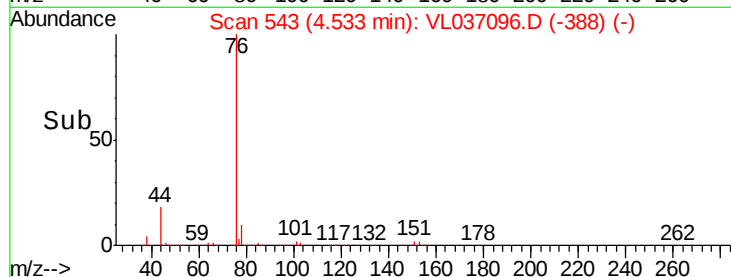
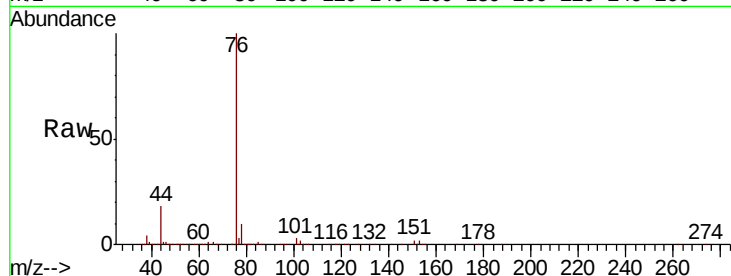
44 19.2 15.5 23.3

78 9.6 7.8 11.6

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#28

Methyl tert-Butyl Ether

Concen: 9.541 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL037096.D

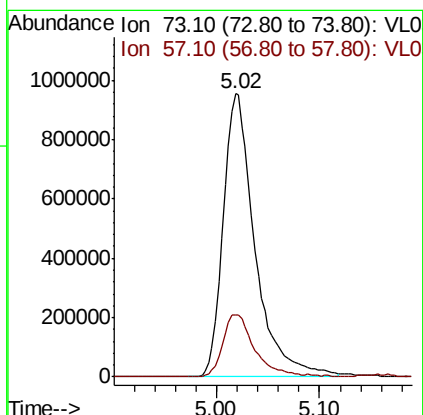
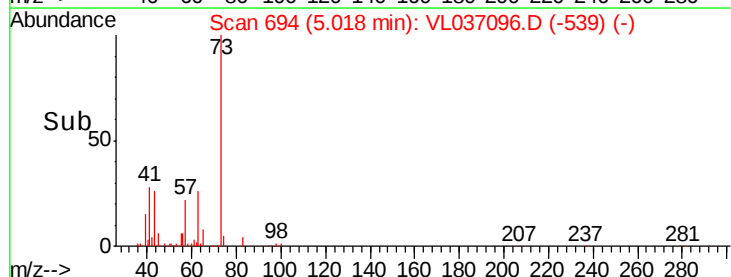
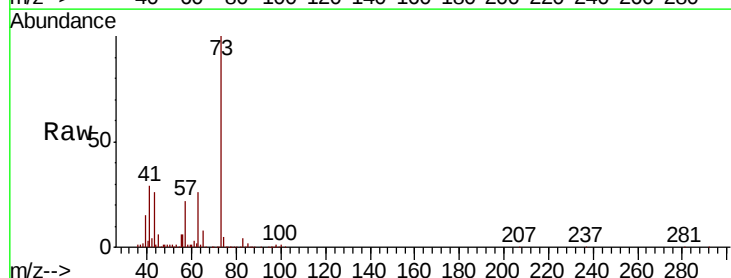
Acq: 2 Jun 2021 8:09

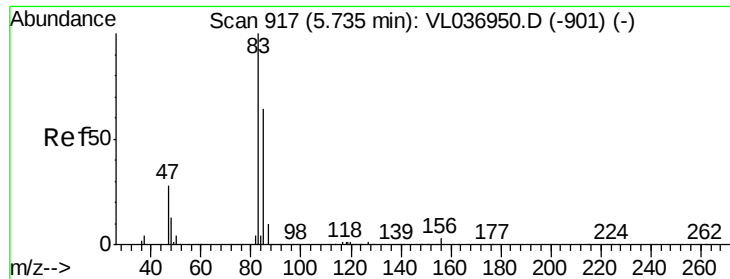
Tgt Ion: 73 Resp: 2051904

Ion Ratio Lower Upper

73 100

57 22.4 18.3 27.5





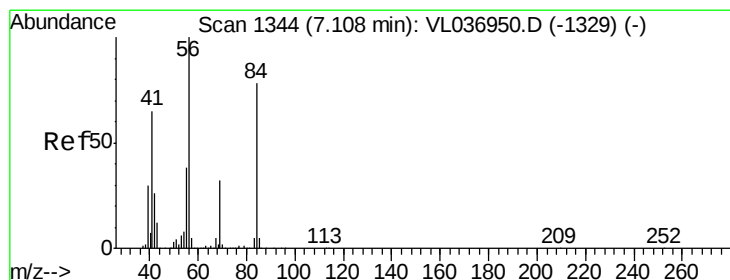
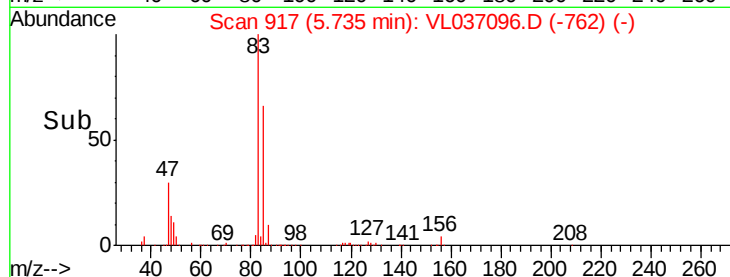
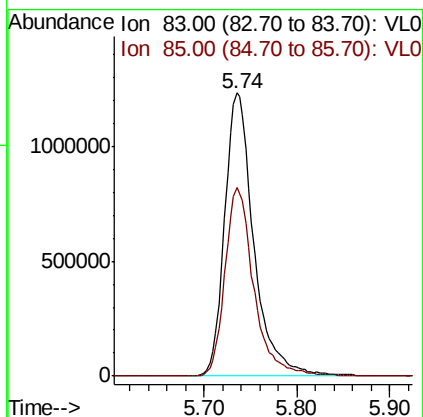
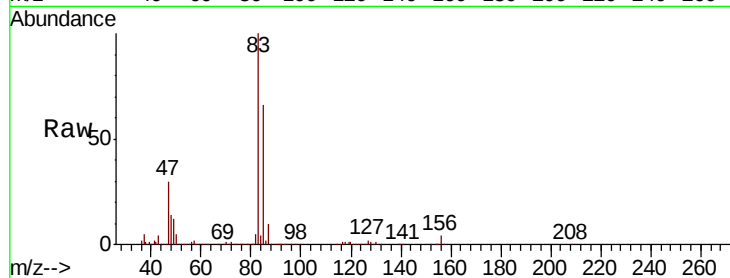
#29
Chloroform
Concen: 10.585 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2683106
Ion Ratio Lower Upper
83 100
85 66.3 51.1 76.7

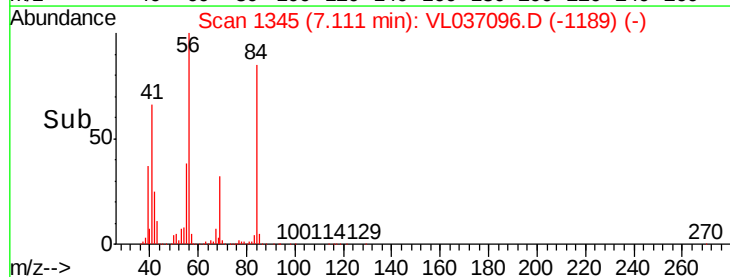
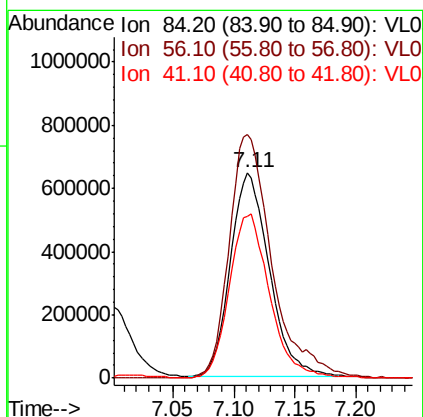
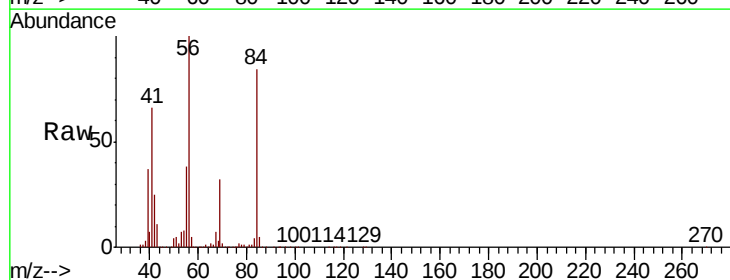
Manual Integrations
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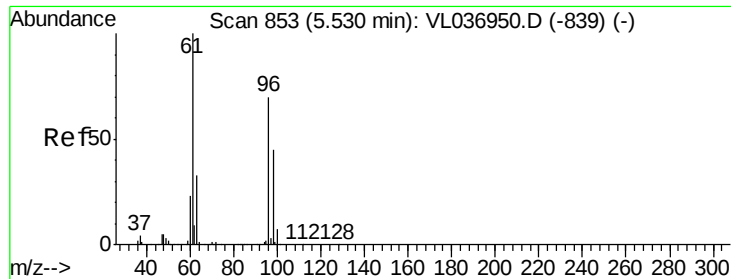
MMDadoda
6/7/2021 2:59:44 PM



#30
Cyclohexane
Concen: 9.387 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Tgt Ion: 84 Resp: 1431183
Ion Ratio Lower Upper
84 100
56 132.1 107.9 161.9
41 84.0 65.5 98.3





#31

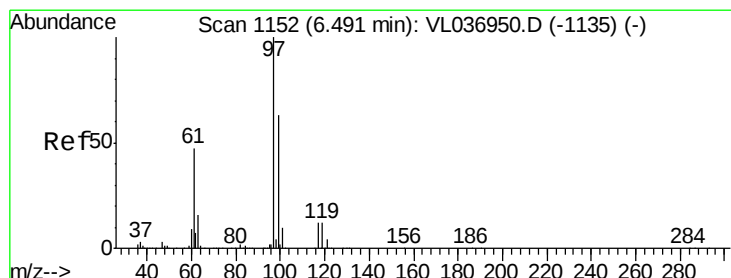
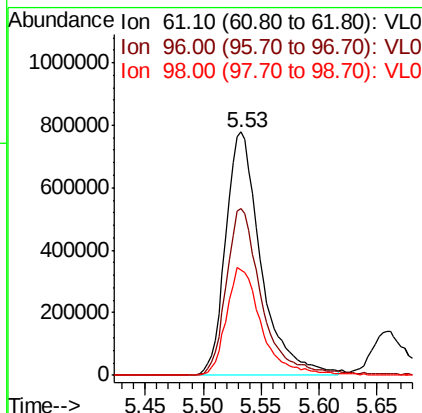
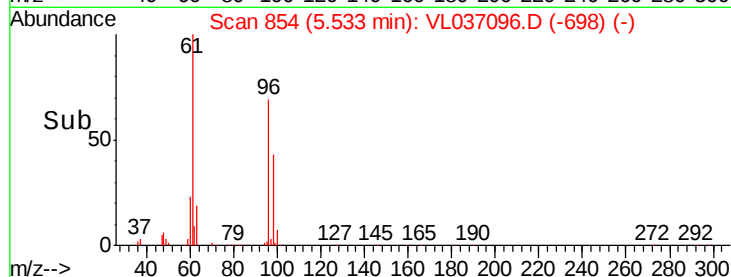
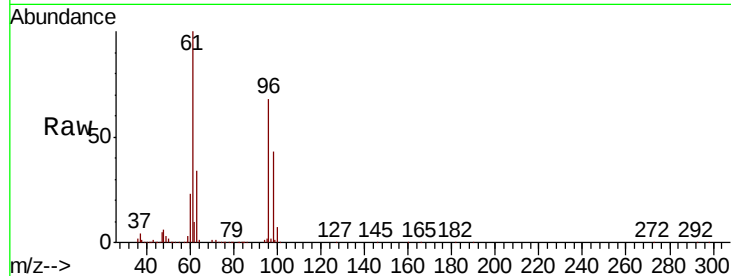
cis-1,2-Dichloroethene
 Concen: 10.171 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.4	55.9	83.9
98	43.0	35.6	53.4

Manual Integrations
 APPROVED

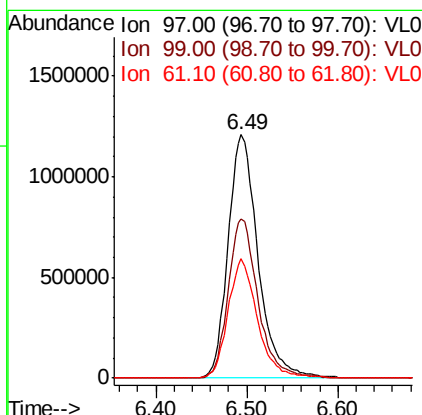
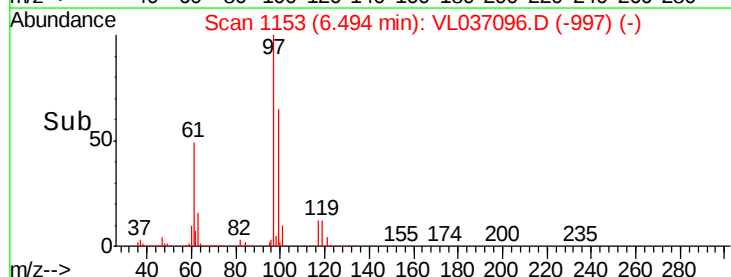
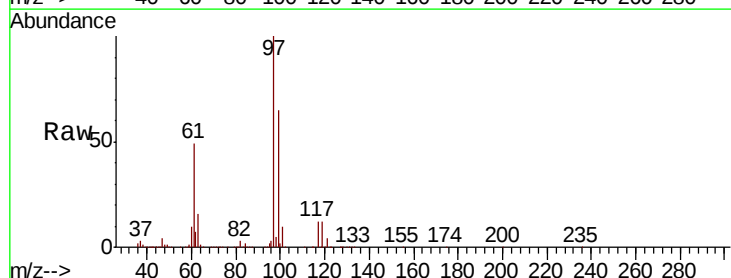
MMDadoda
 6/7/2021 2:59:44 PM

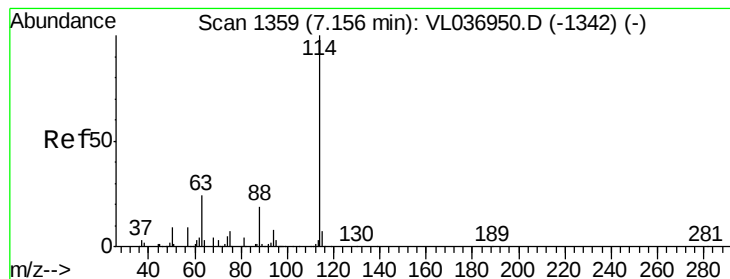


#32

1,1,1-Trichloroethane
 Concen: 10.157 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.9	77.9
61	48.7	37.6	56.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:114 Resp: 4330285

Ion Ratio Lower Upper

114 100

63 24.3 19.6 29.4

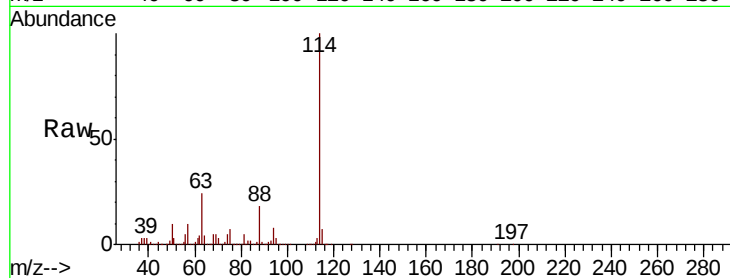
88 17.9 14.6 21.8

Manual Integrations

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MMDadoda

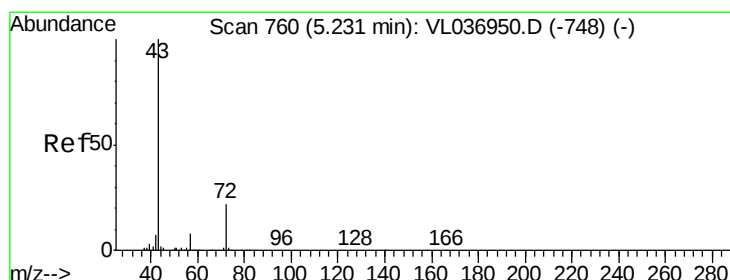
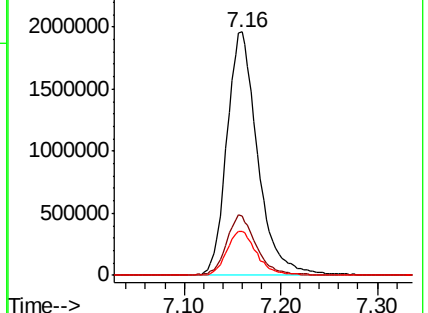
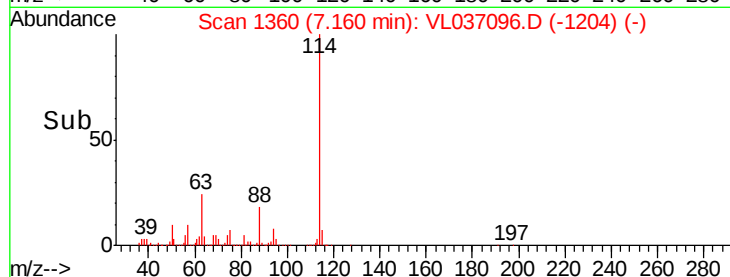
6/7/2021 2:59:44 PM



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.052 ppbv

RT: 5.23 min Scan# 760

Delta R.T. -0.00 min

Lab File: VL037096.D

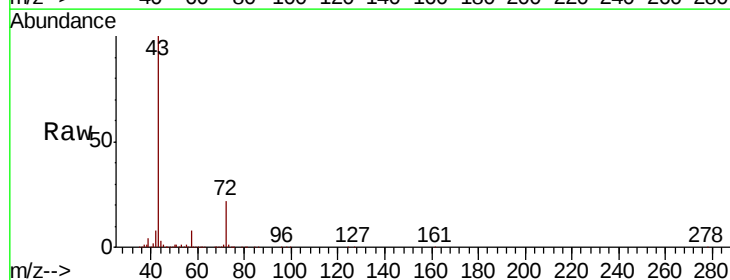
Acq: 2 Jun 2021 8:09

Tgt Ion: 43 Resp: 1584946

Ion Ratio Lower Upper

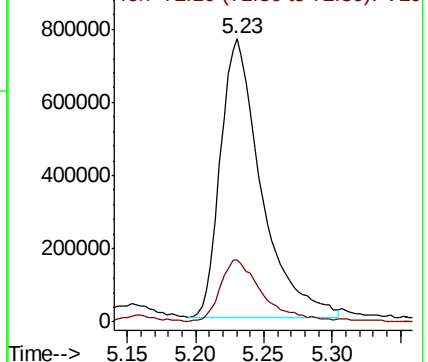
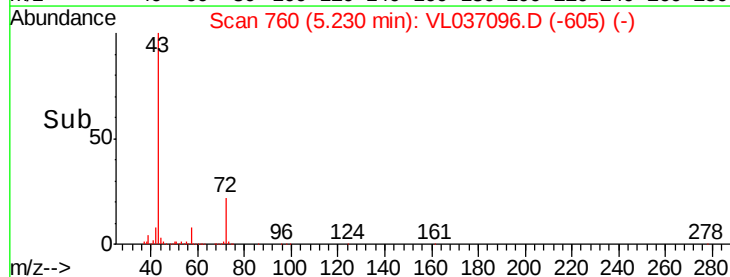
43 100

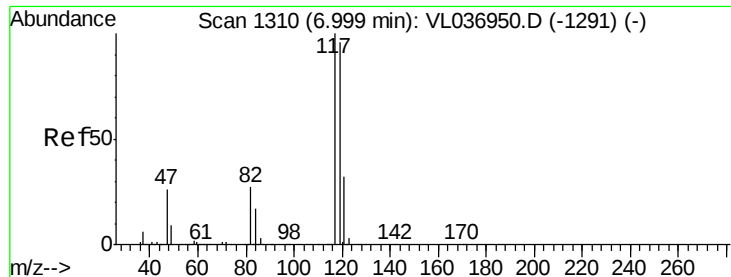
72 23.7 19.0 28.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.340 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2974937

Ion Ratio Lower Upper

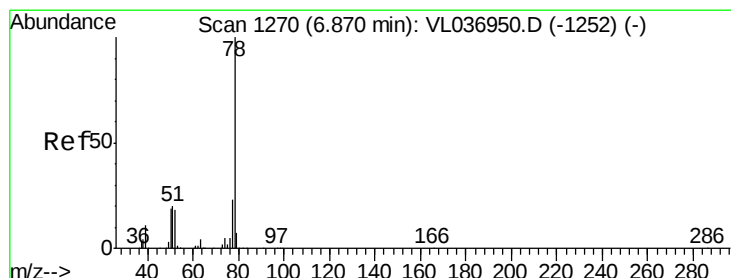
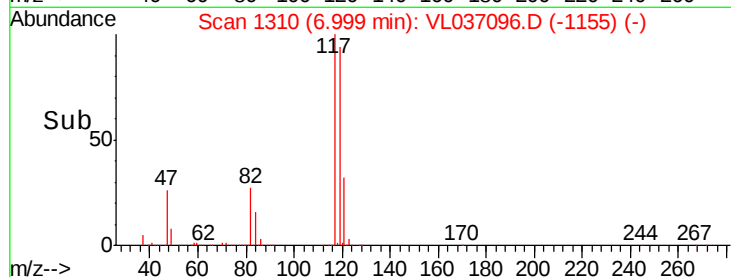
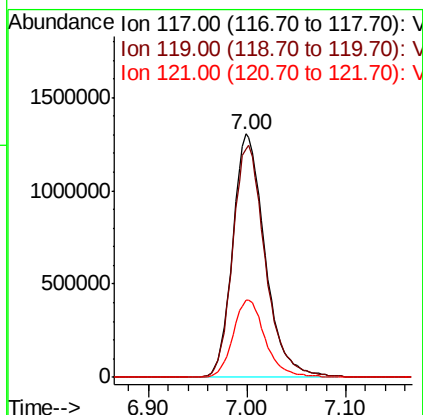
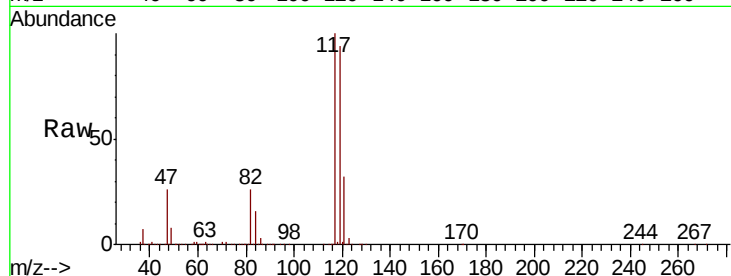
117 100

119 93.8 76.6 114.8

121 31.6 25.8 38.6

Manual Integrations
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#36

Benzene

Concen: 9.163 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

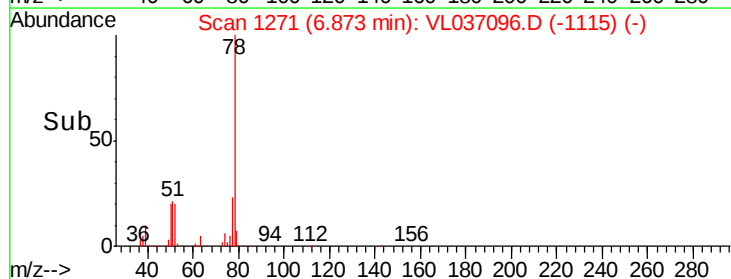
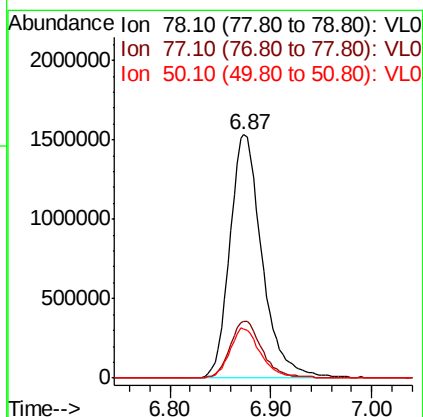
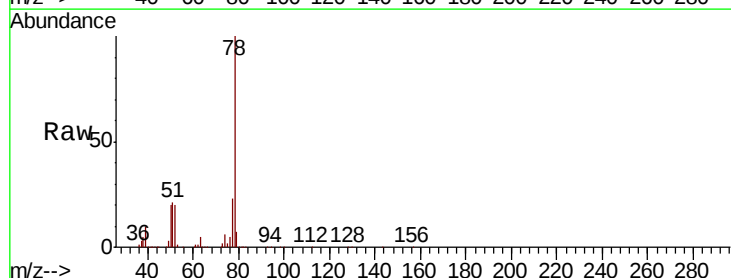
Tgt Ion: 78 Resp: 3417718

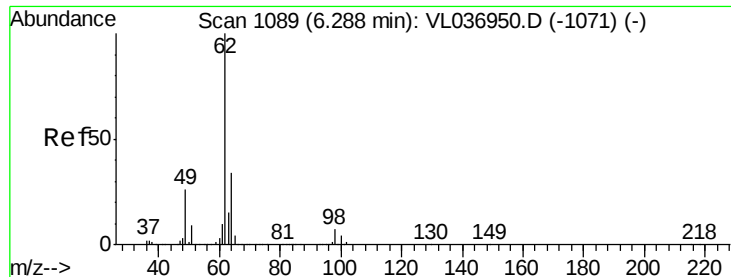
Ion Ratio Lower Upper

78 100

77 23.3 18.6 28.0

50 20.0 15.0 22.4





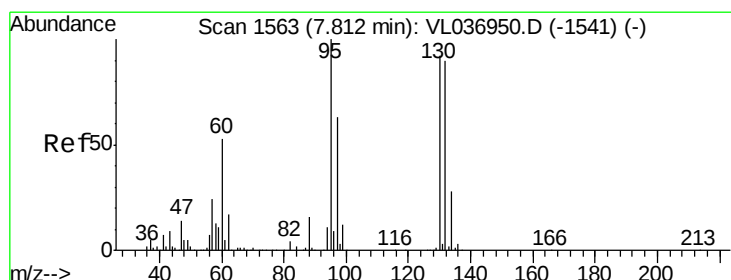
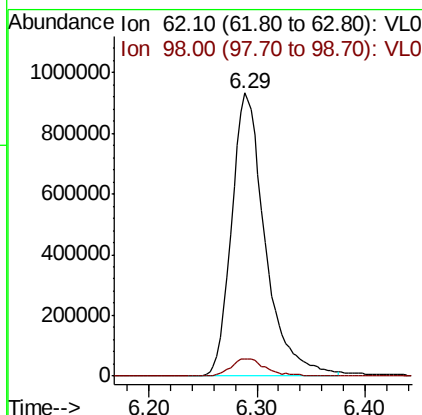
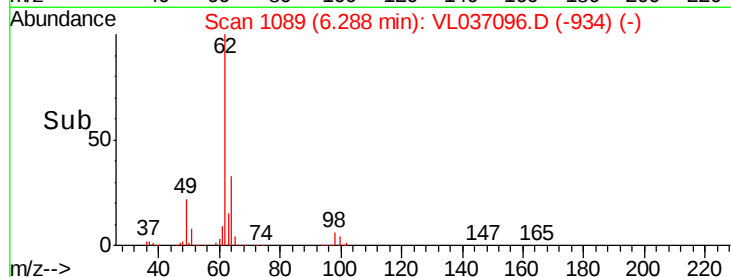
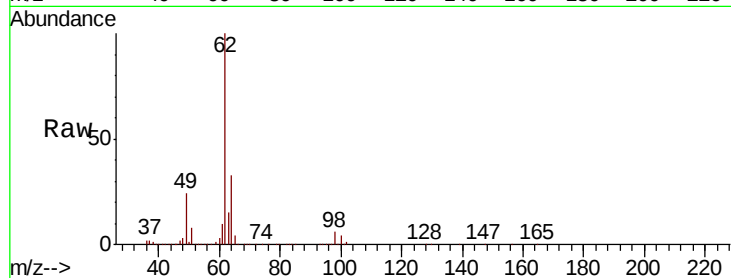
#37
1,2-Dichloroethane
Concen: 10.941 ppbv
RT: 6.29 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 62 Resp: 2023254
Ion Ratio Lower Upper
62 100
98 6.4 5.5 8.3

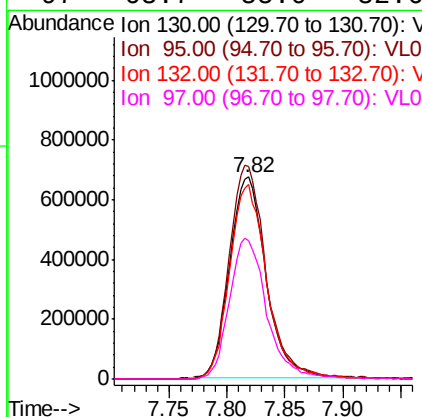
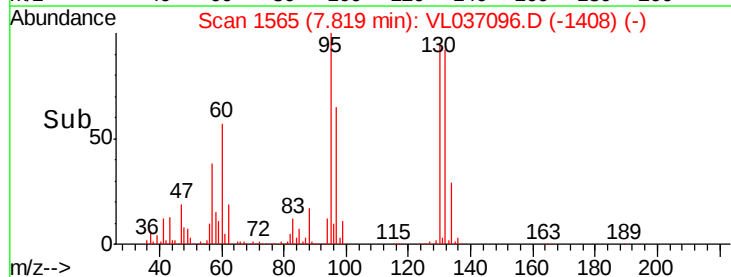
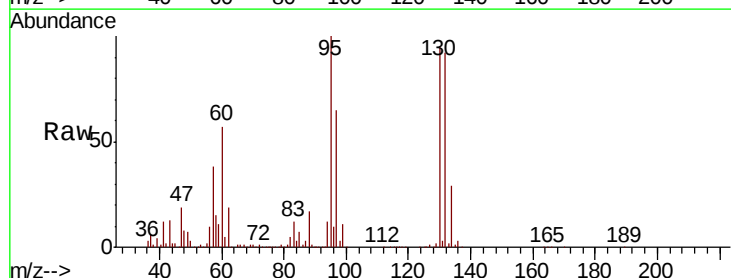
Manual Integrations
APPROVED

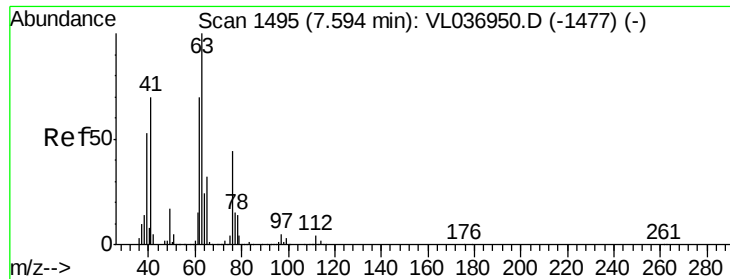
MMDadoda
6/7/2021 2:59:44 PM



#38
Trichloroethene
Concen: 9.177 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Tgt Ion:130 Resp: 1464289
Ion Ratio Lower Upper
130 100
95 105.7 86.9 130.3
132 97.1 78.4 117.6
97 68.7 55.0 82.6





#39

1,2-Dichloropropane

Concen: 8.941 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1284618

Ion Ratio Lower Upper

63 100

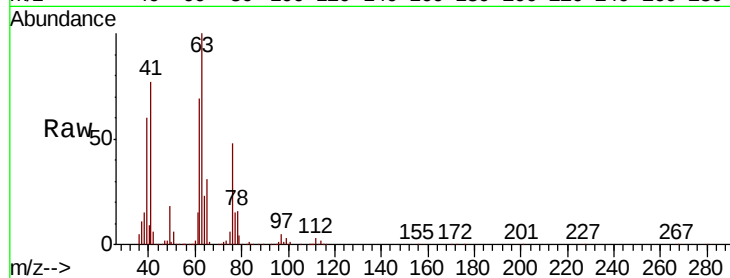
41 76.5 55.7 83.5

62 69.0 56.2 84.4

Manual Integrations
APPROVED

MMDadoda

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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

800000

600000

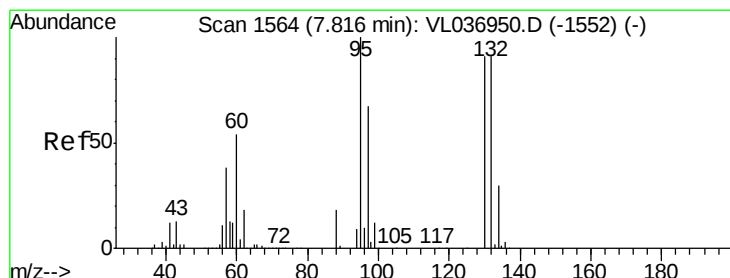
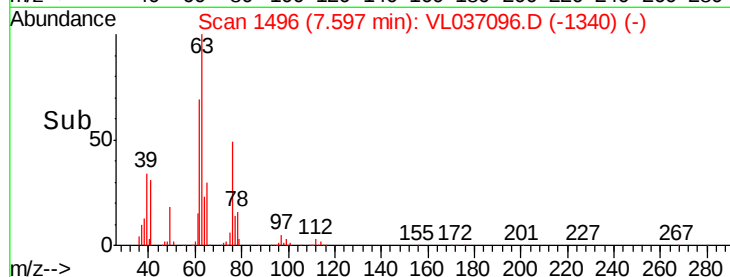
400000

200000

0

7.50 7.55 7.60 7.65

Time-->



#40

1,4-Dioxane

Concen: 9.357 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

Tgt Ion: 88 Resp: 317445

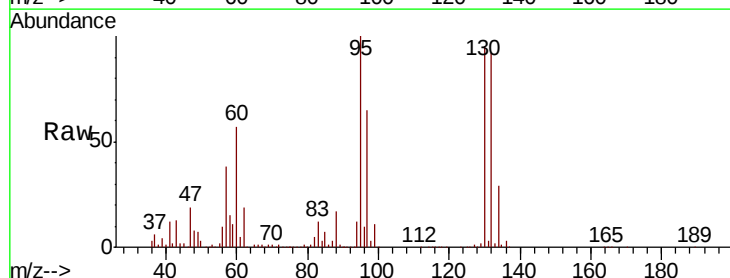
Ion Ratio Lower Upper

88 100

58 157.7 0.0 0.0#

43 393.1 0.0 0.0#

57 1757.3 0.0 0.0#



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

3000000

2500000

2000000

1500000

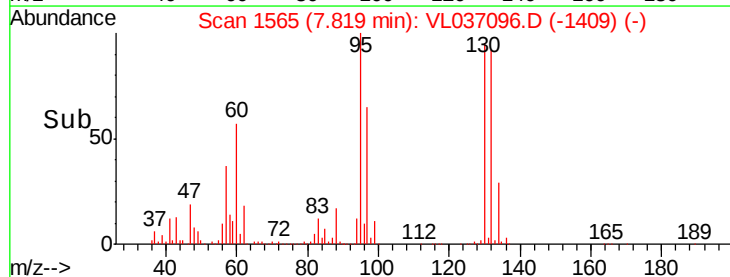
1000000

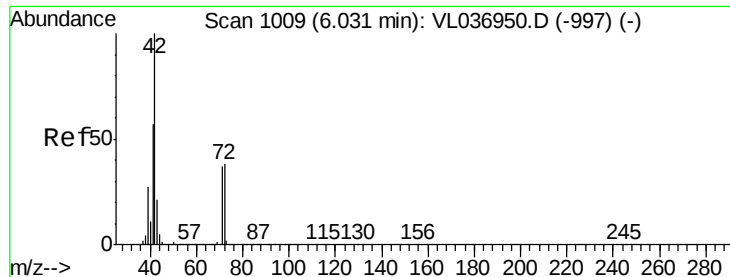
500000

0

7.75 7.80 7.85 7.90

Time-->





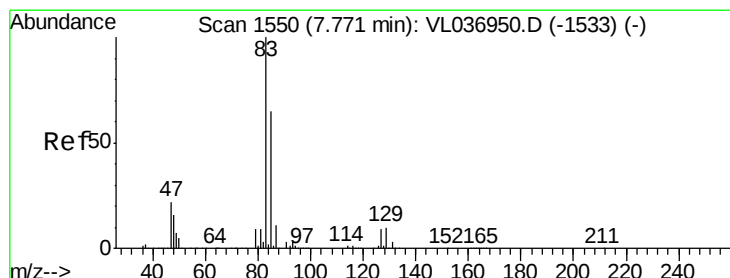
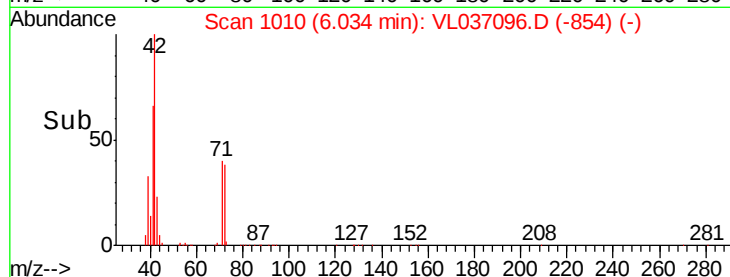
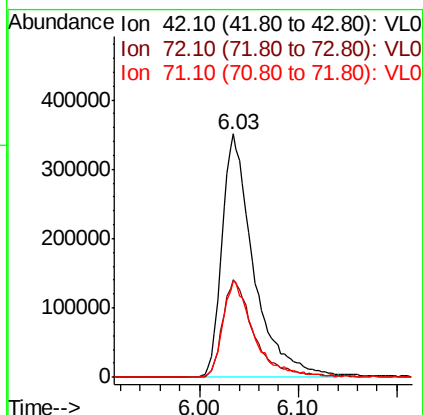
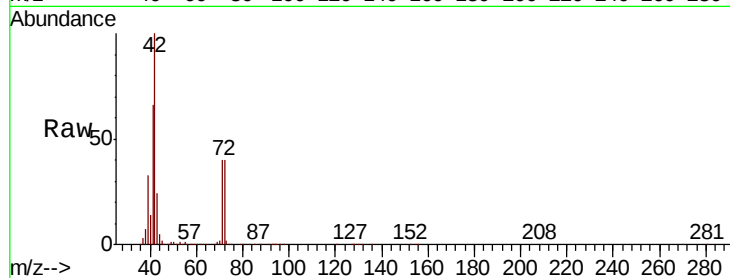
#41
Tetrahydrofuran
Concen: 8.747 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	31.4	47.2
71	39.6	30.4	45.6

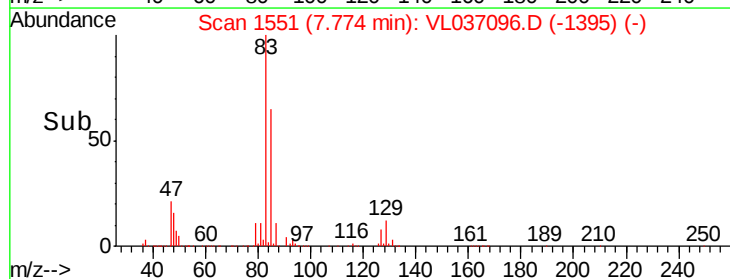
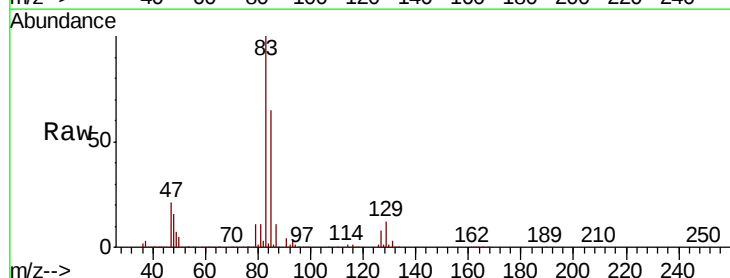
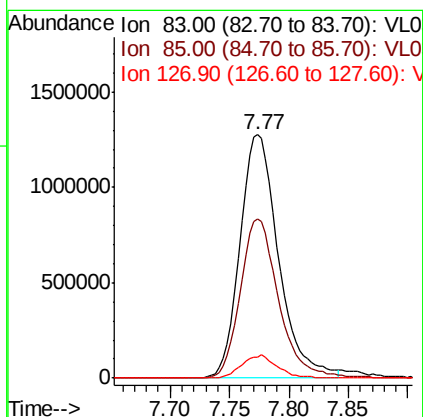
Manual Integrations
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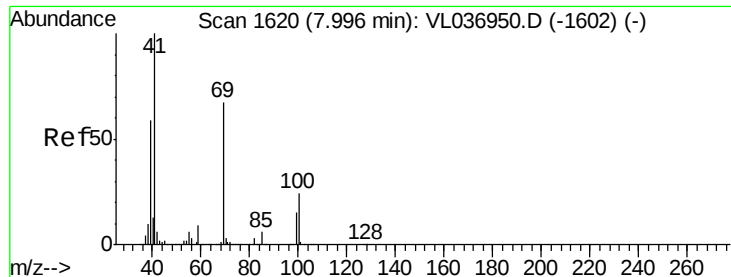
MMDadoda
6/7/2021 2:59:44 PM



#42
Bromodichloromethane
Concen: 10.257 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.7	77.5
127	8.3	6.9	10.3





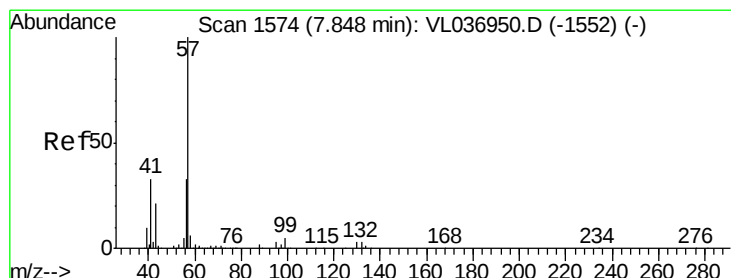
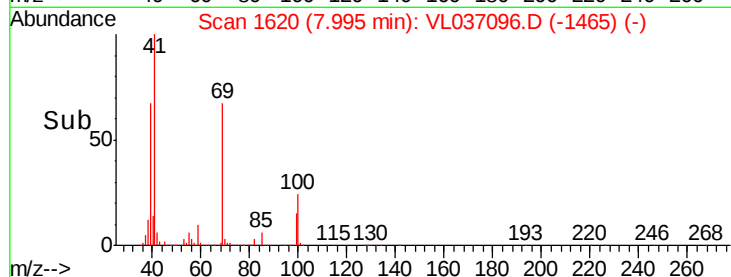
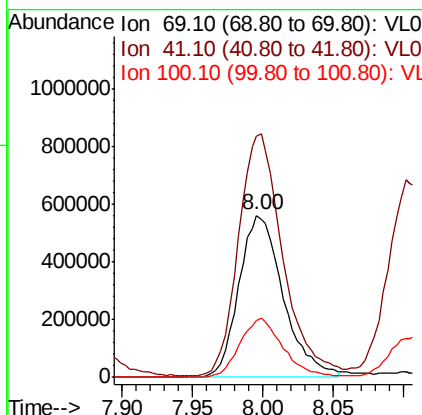
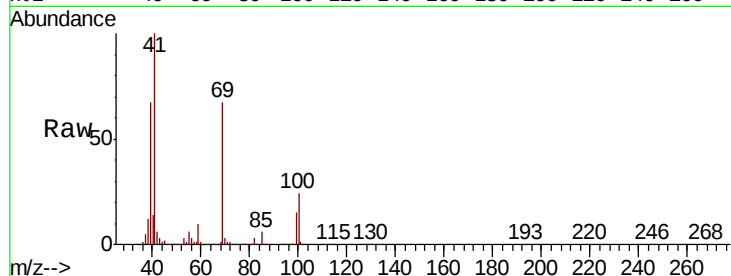
#43
Methvl Methacrylate
Concen: 9.614 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1235968
Ion Ratio Lower Upper
69 100
41 151.2 118.6 178.0
100 35.6 28.2 42.4

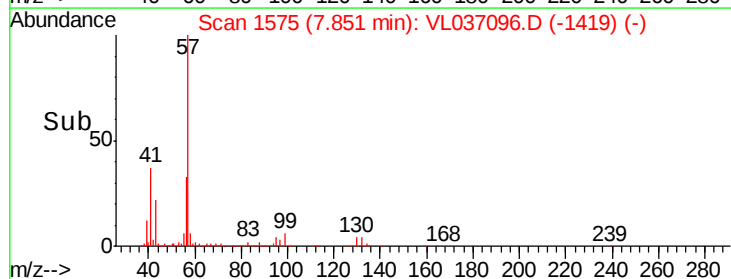
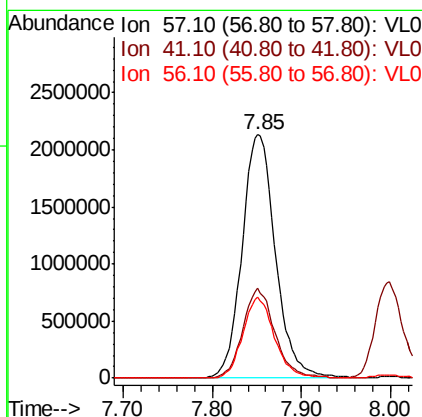
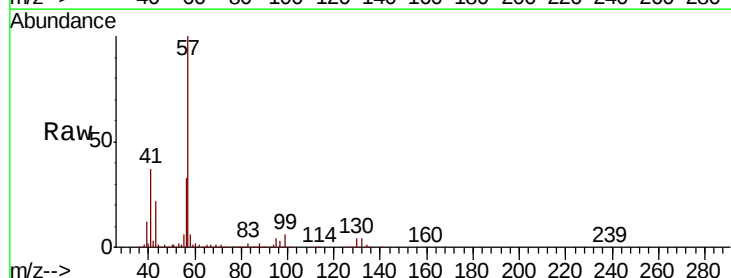
Manual Integrations
APPROVED

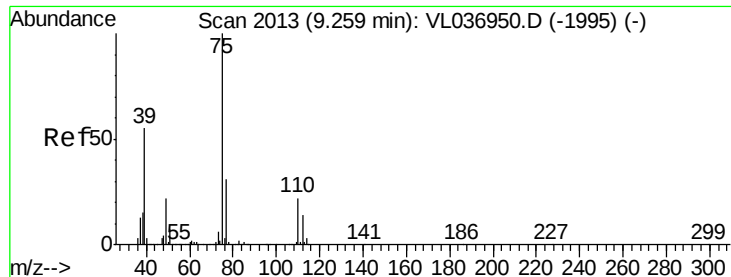
MMDadoda
6/7/2021 2:59:44 PM



#44
2,2,4-Trimethylpentane
Concen: 8.693 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Tgt Ion: 57 Resp: 5563128
Ion Ratio Lower Upper
57 100
41 35.1 27.0 40.4
56 31.6 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 12.026 ppbv

RT: 9.26 min Scan# 2013

Delta R.T. -0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1181184

Ion Ratio Lower Upper

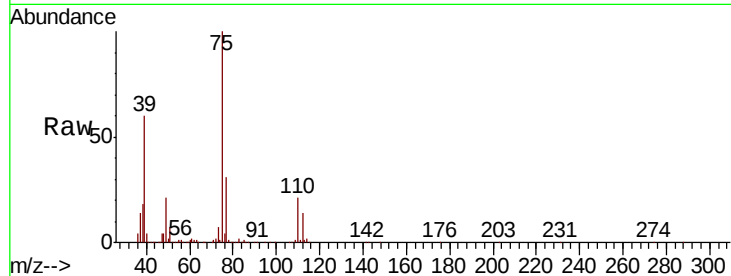
75 100

77 30.8 24.4 36.6

Manual Integrations
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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

600000

500000

400000

300000

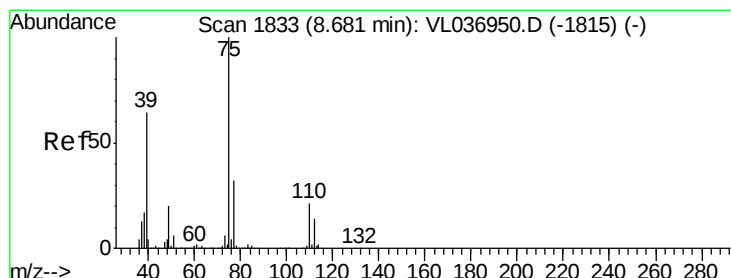
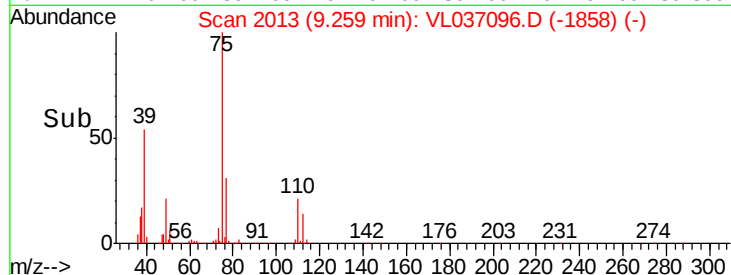
200000

100000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.360 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

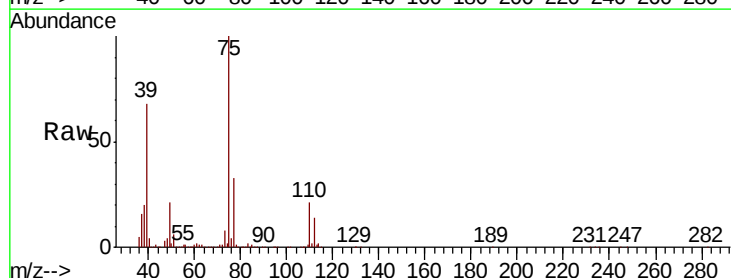
Tgt Ion: 75 Resp: 1500672

Ion Ratio Lower Upper

75 100

39 68.4 51.5 77.3

77 32.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

600000

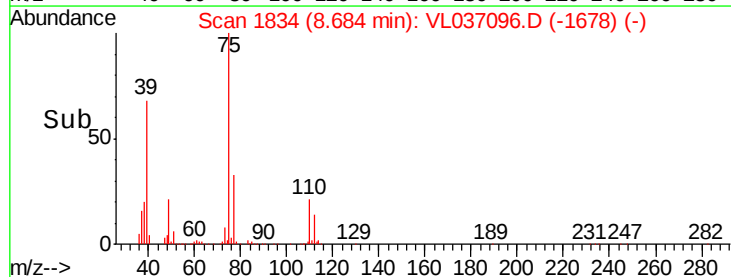
400000

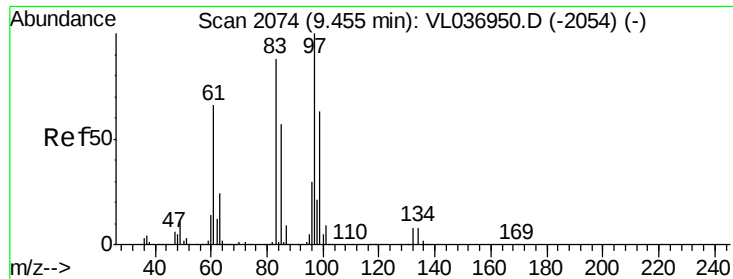
200000

0

8.60 8.65 8.70 8.75

Time-->





#47
 1,1,2-Trichloroethane
 Concen: 9.833 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

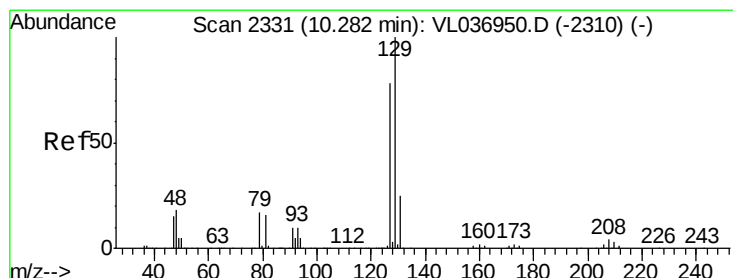
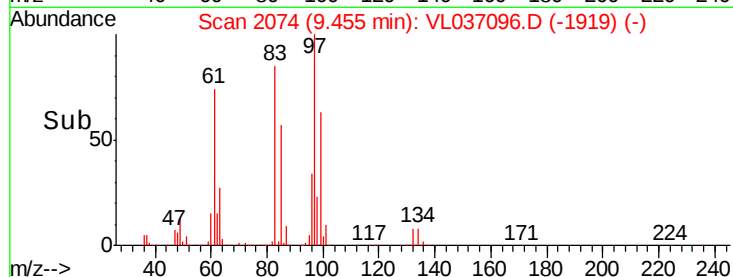
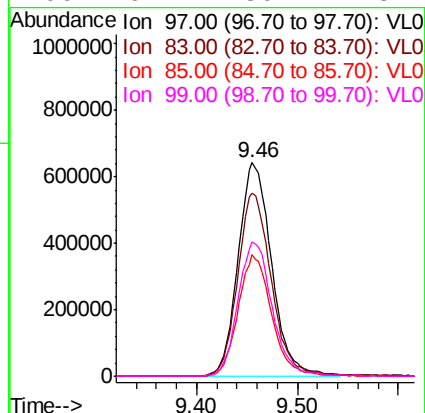
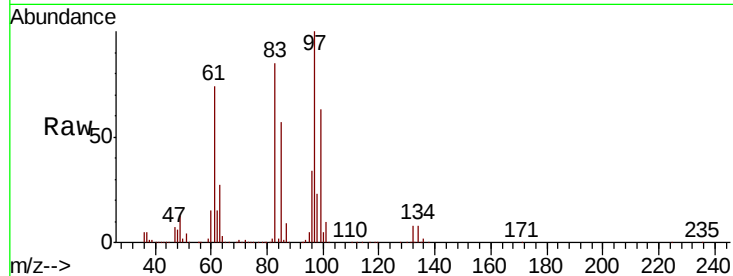
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 1478682

Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.4	105.6
85	56.8	45.5	68.3
99	62.7	50.2	75.2

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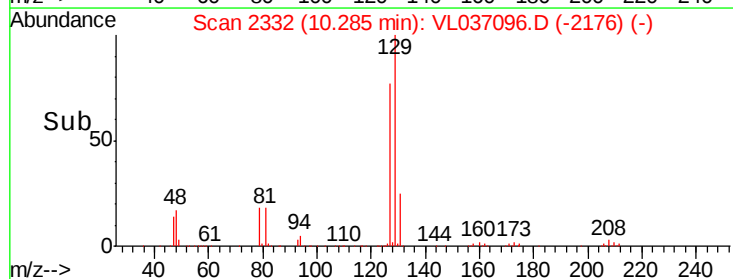
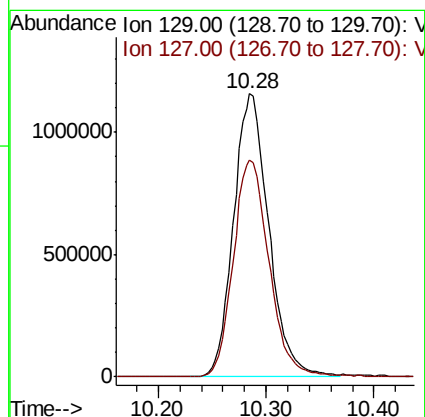
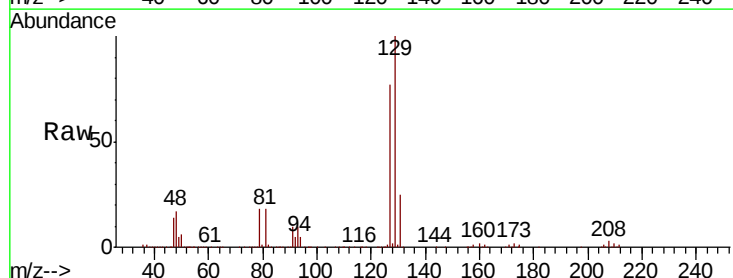
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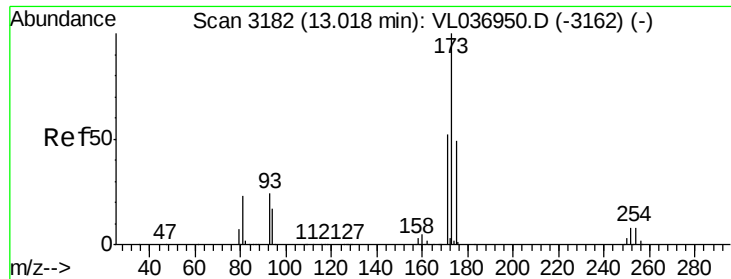


#48
 Dibromochloromethane
 Concen: 10.817 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Tgt Ion: 129 Resp: 2633803

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.8





#49

Bromoform

Concen: 10.866 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 2185136

Ion Ratio Lower Upper

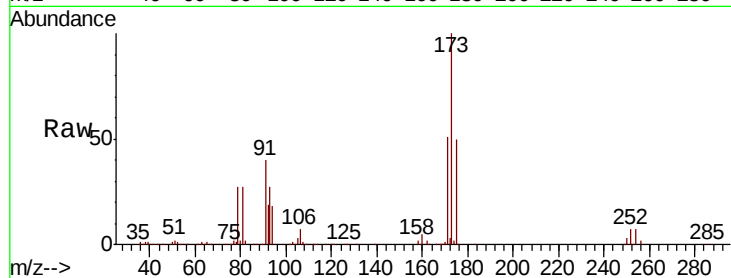
173 100

175 50.5 40.4 60.6

171 53.3 42.6 64.0

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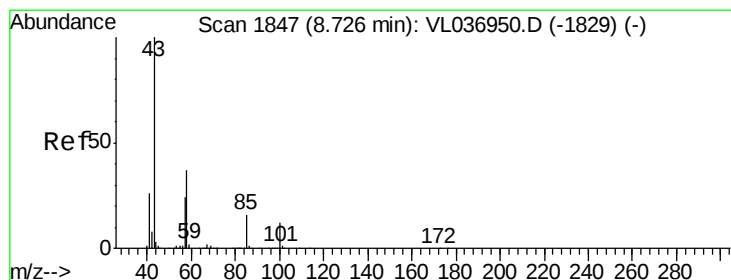
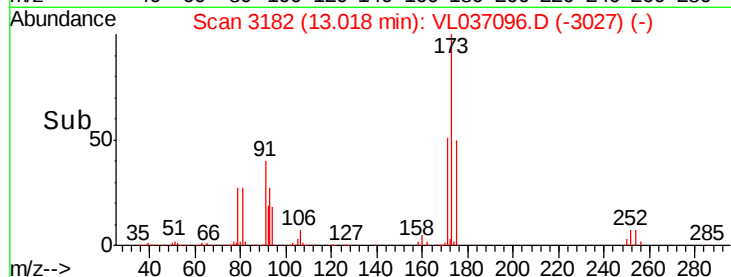
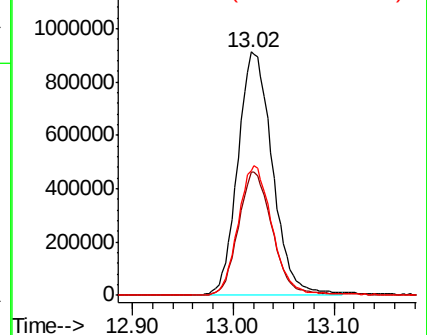
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.284 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VL037096.D

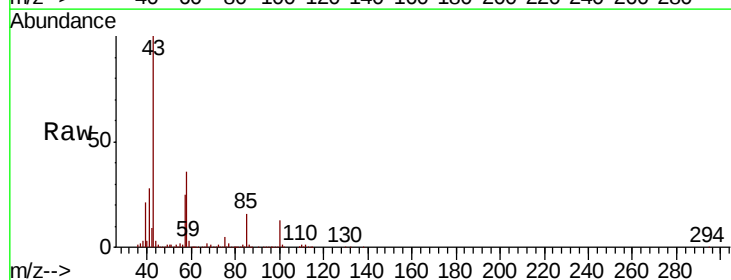
Acq: 2 Jun 2021 8:09

Tgt Ion: 43 Resp: 2415684

Ion Ratio Lower Upper

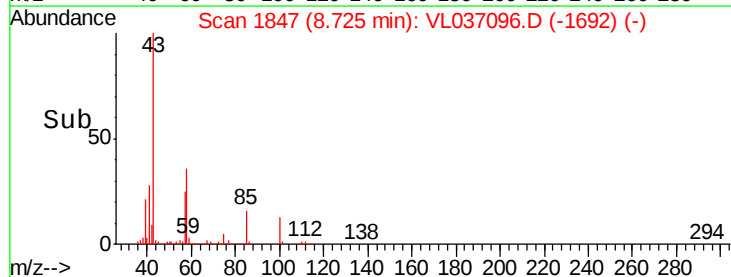
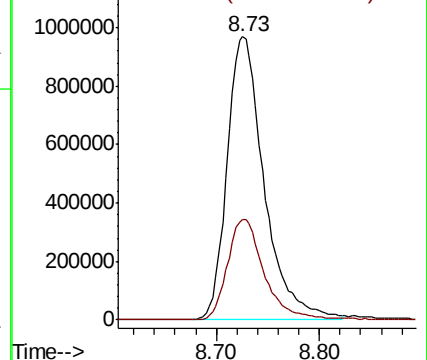
43 100

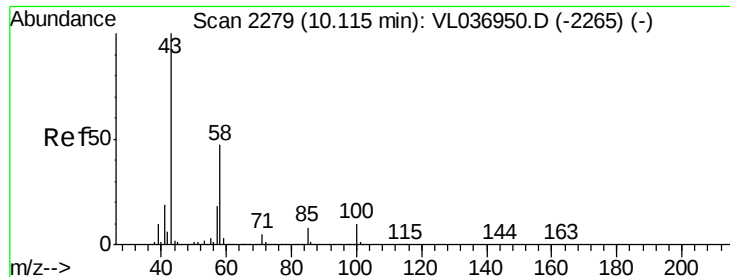
58 35.9 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





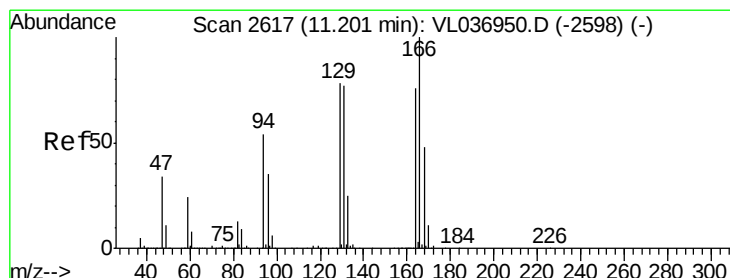
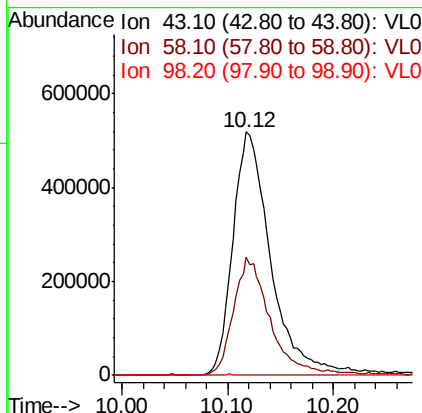
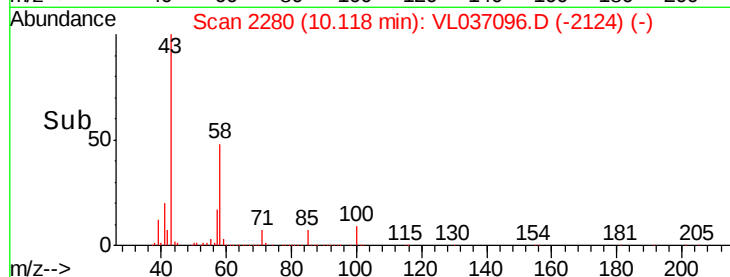
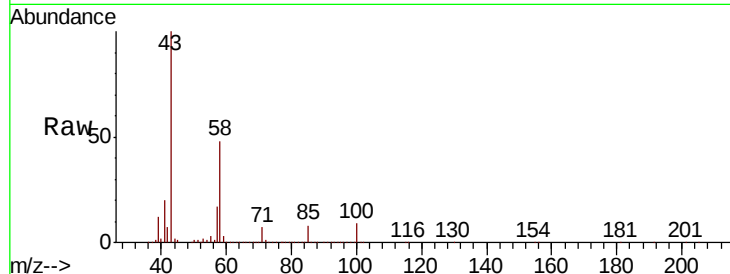
#51
2-Hexanone
Concen: 9.326 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1282837
Ion Ratio Lower Upper
43 100
58 47.5 41.1 61.7
98 0.5 0.1 0.1#

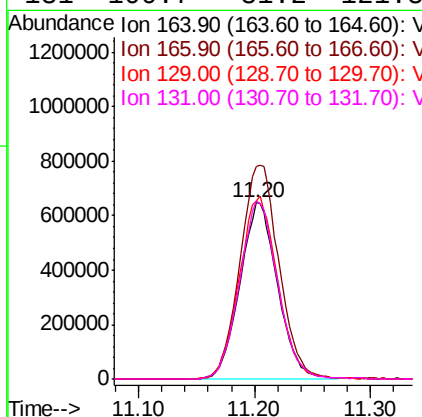
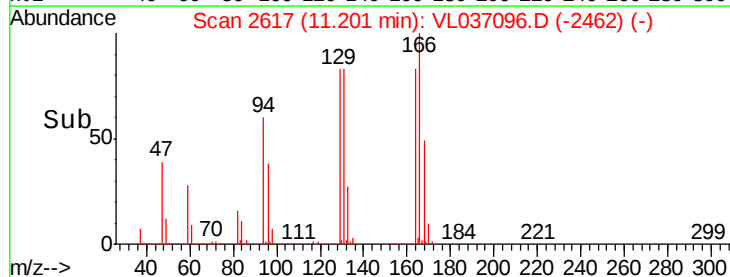
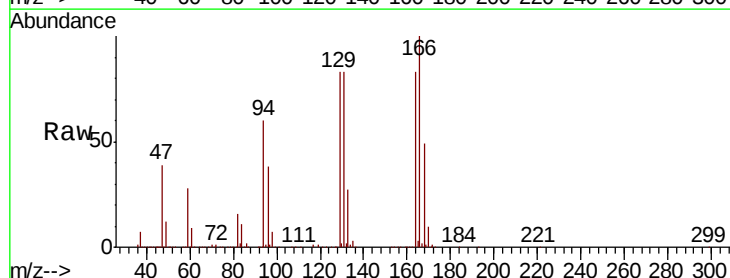
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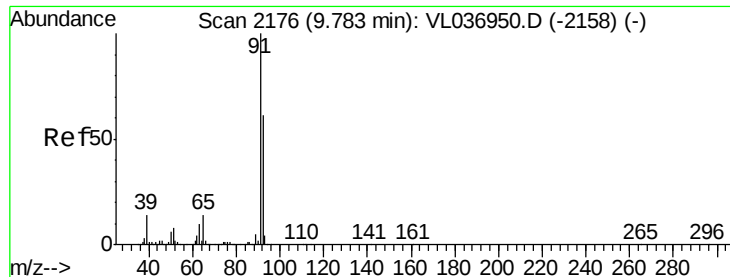
MMDadoda
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#52
Tetrachloroethene
Concen: 9.784 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Tgt Ion: 164 Resp: 1451098
Ion Ratio Lower Upper
164 100
166 120.6 105.5 158.3
129 100.7 81.8 122.8
131 100.7 81.2 121.8





#53

Toluene

Concen: 9.343 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4146766

Ion Ratio Lower Upper

91 100

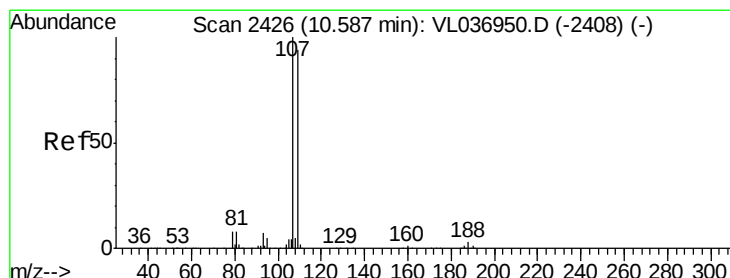
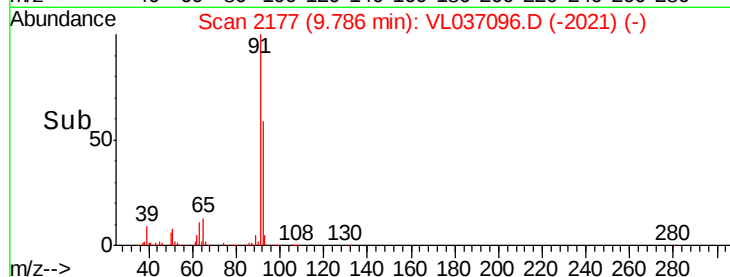
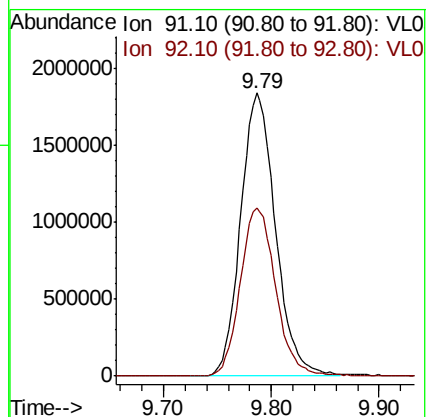
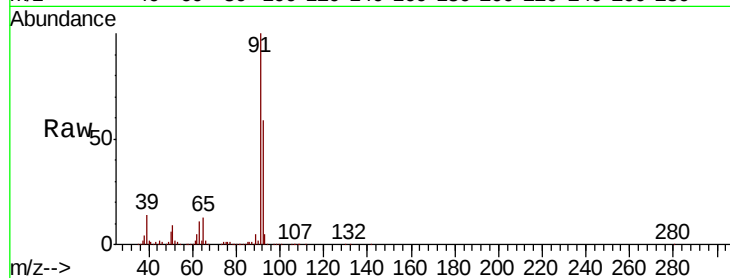
92 60.7 49.5 74.3

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.437 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL037096.D

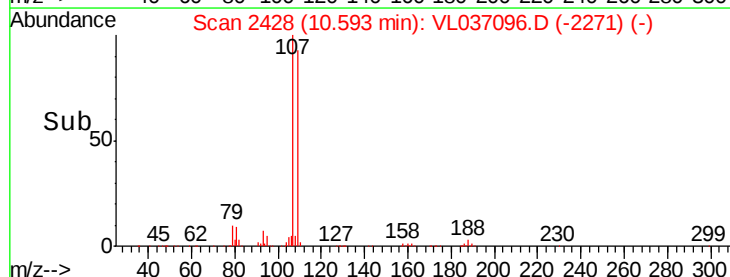
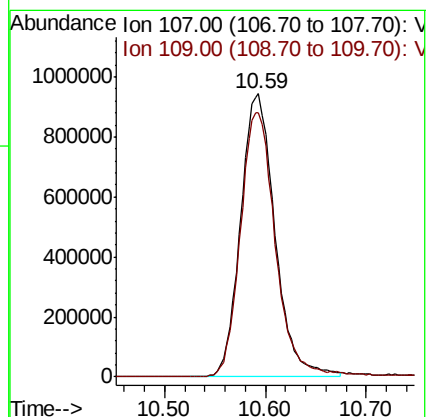
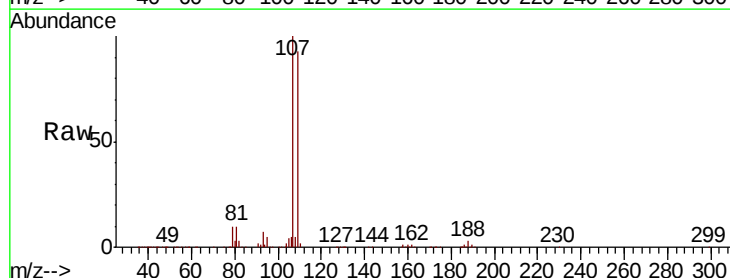
Acq: 2 Jun 2021 8:09

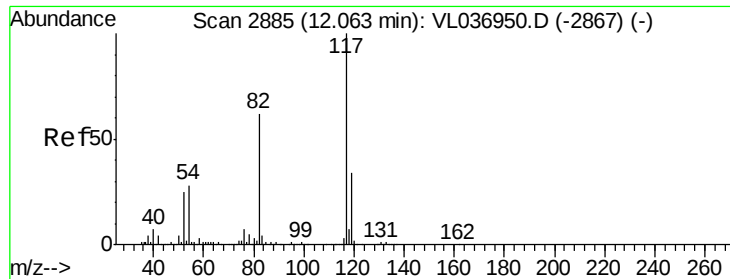
Tgt Ion: 107 Resp: 2231501

Ion Ratio Lower Upper

107 100

109 93.5 75.0 112.4





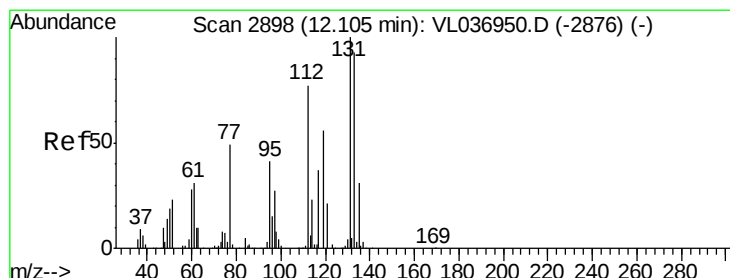
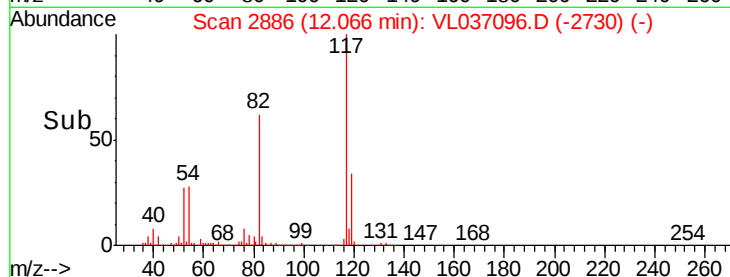
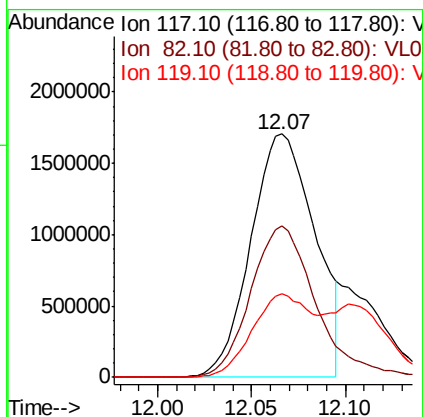
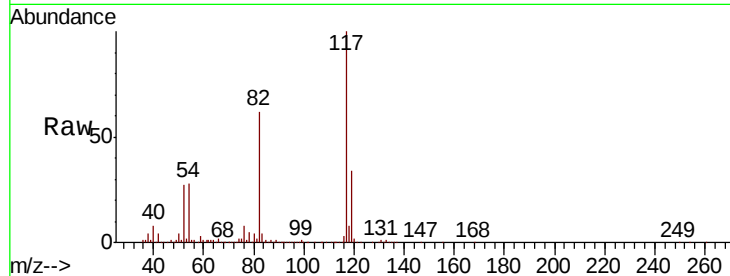
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 4062274
Ion Ratio Lower Upper
117 100
82 63.9 52.6 79.0
119 33.5 46.6 70.0#

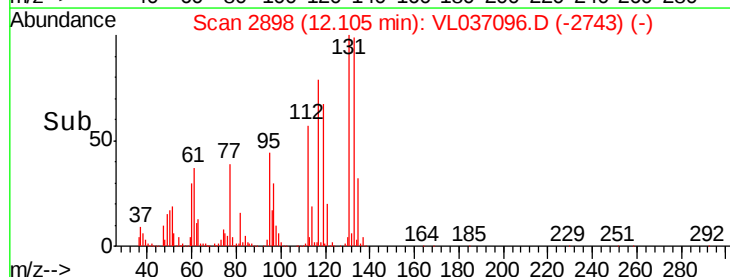
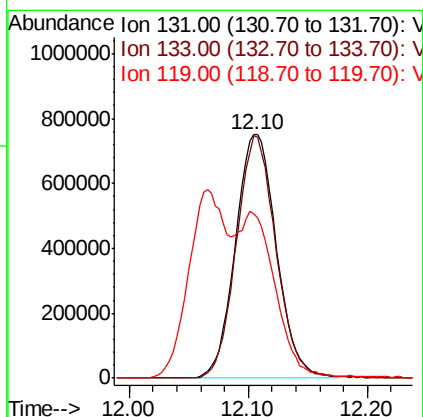
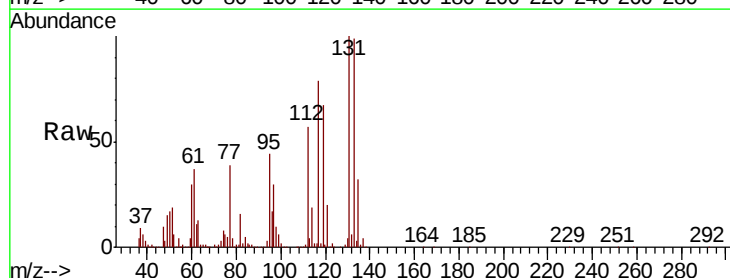
Manual Integrations
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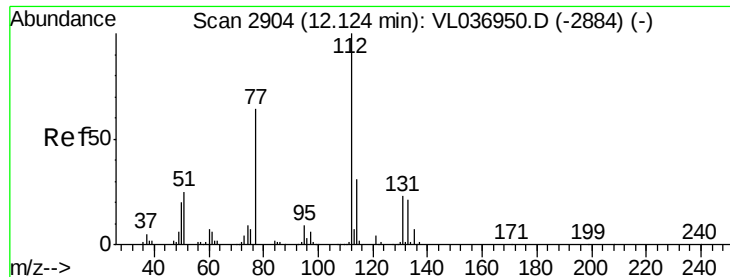
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.452 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Tgt Ion:131 Resp: 1786507
Ion Ratio Lower Upper
131 100
133 97.0 76.9 115.3
119 60.2 120.2 180.4#





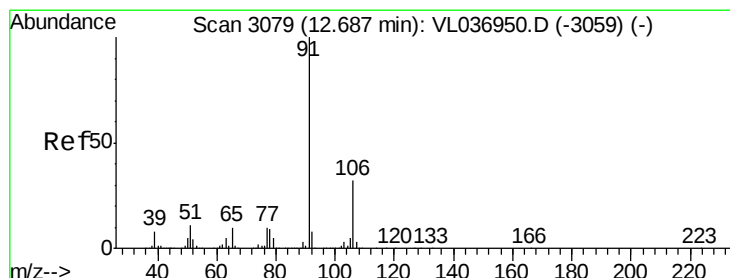
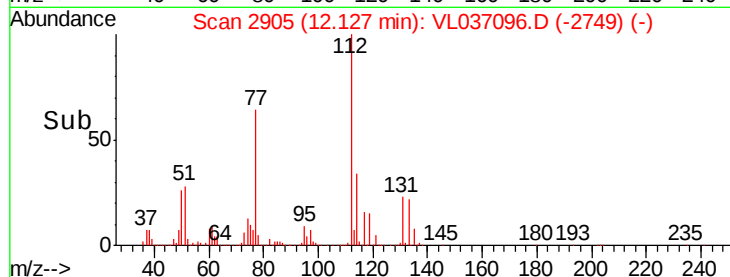
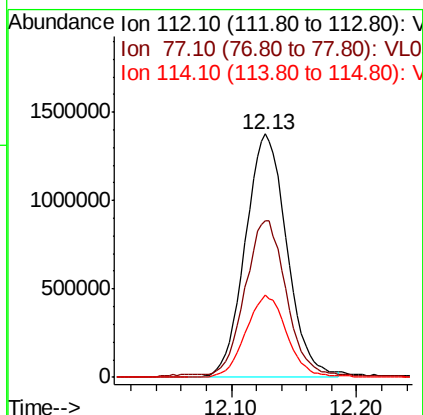
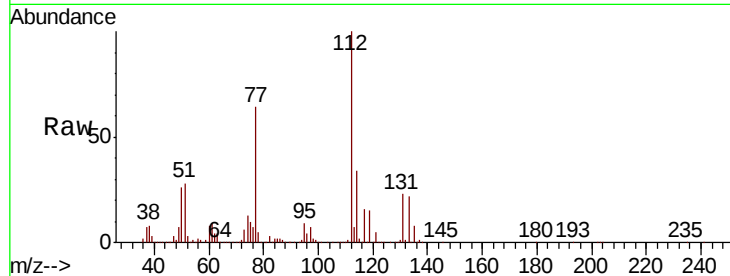
#57
Chlorobenzene
Concen: 10.078 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 112 Resp: 3174241
Ion Ratio Lower Upper
112 100
77 63.4 51.0 76.6
114 33.9 28.3 34.5

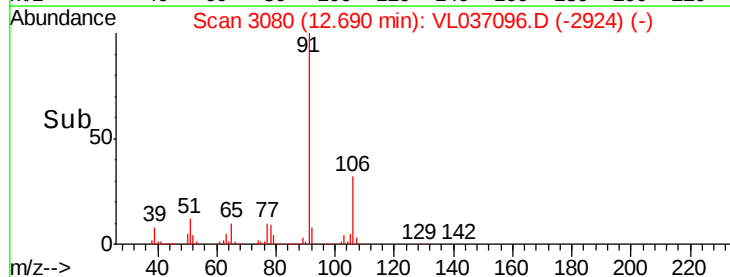
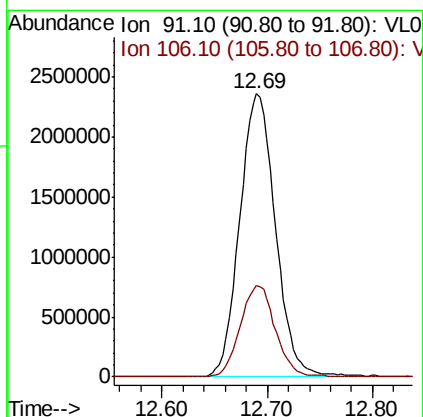
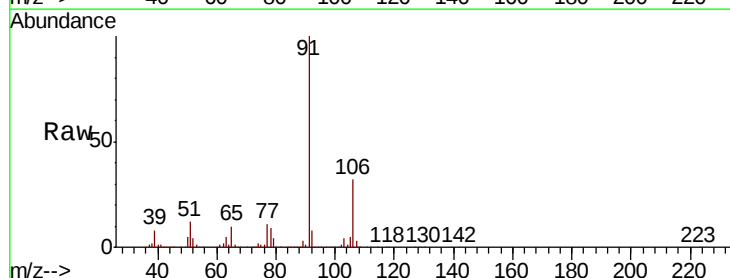
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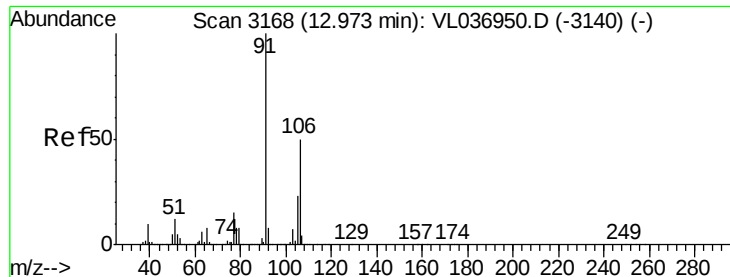
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#58
Ethyl Benzene
Concen: 9.661 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. 0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Tgt Ion: 91 Resp: 5539199
Ion Ratio Lower Upper
91 100
106 32.4 25.6 38.4





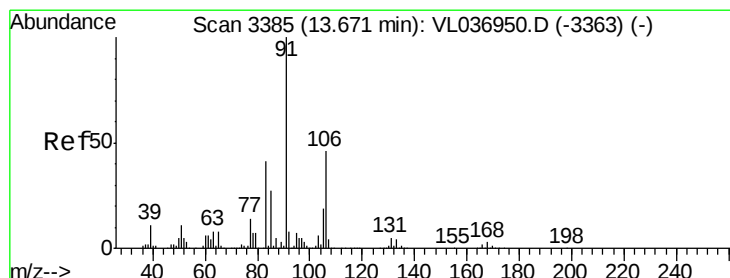
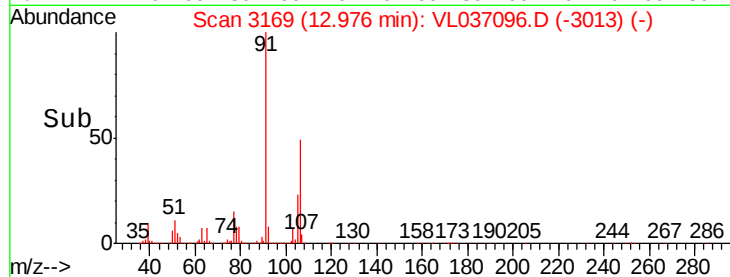
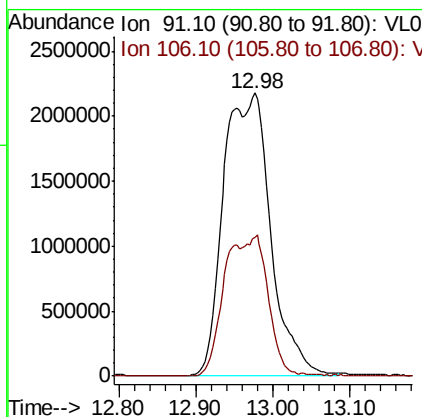
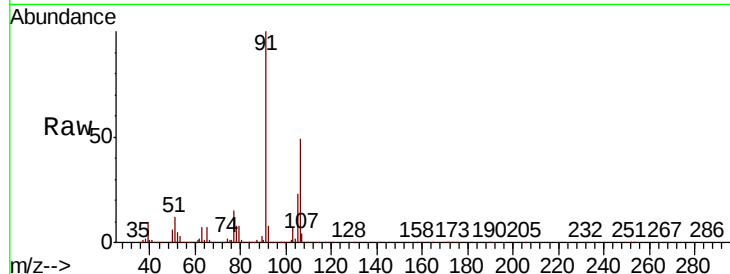
#59
m/p-Xylene
Concen: 19.730 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 9350429
Ion Ratio Lower Upper
91 100
106 46.2 37.4 56.2

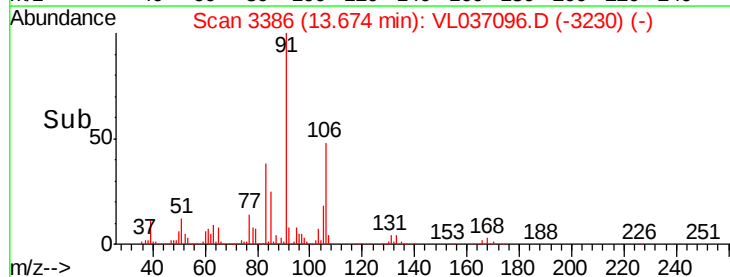
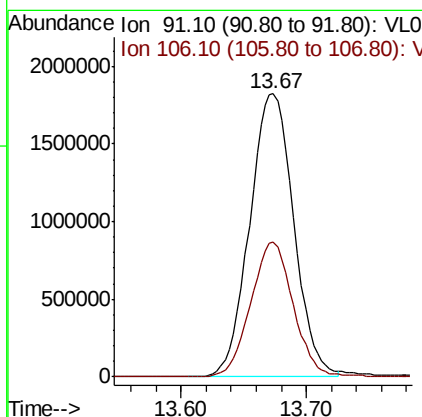
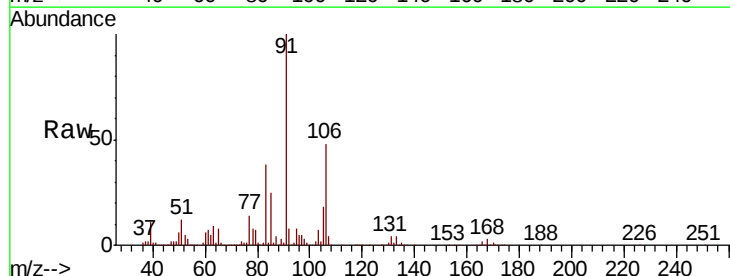
Manual Integrations
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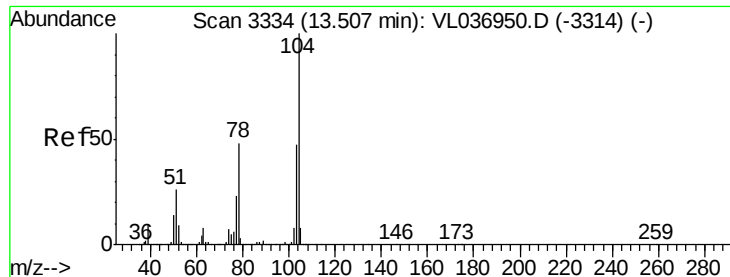
MMDadoda
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#60
o-Xylene
Concen: 9.842 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Tgt Ion: 91 Resp: 4448744
Ion Ratio Lower Upper
91 100
106 46.7 23.4 70.3





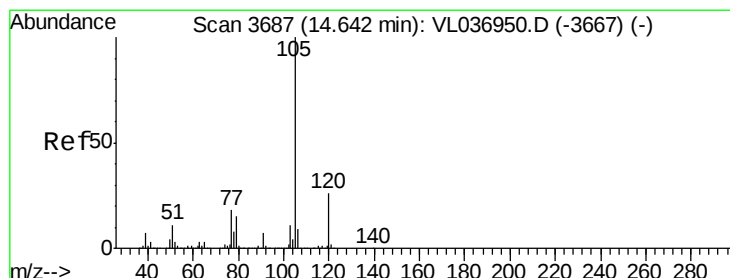
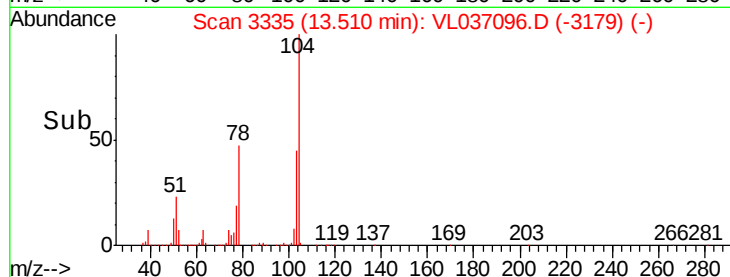
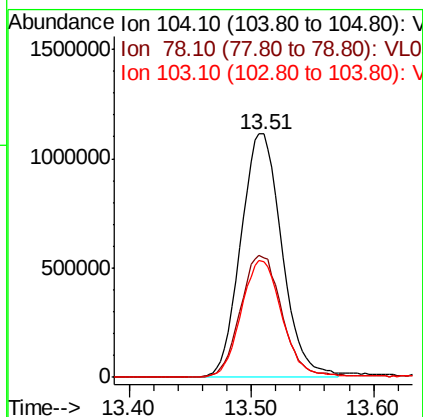
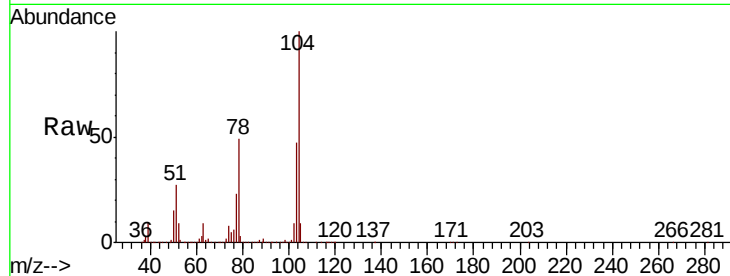
#61
Stvrene
Concen: 10.180 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. 0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.4	39.0	58.6
103	48.3	38.0	57.0

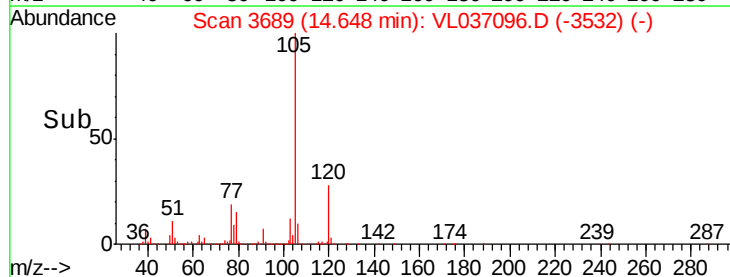
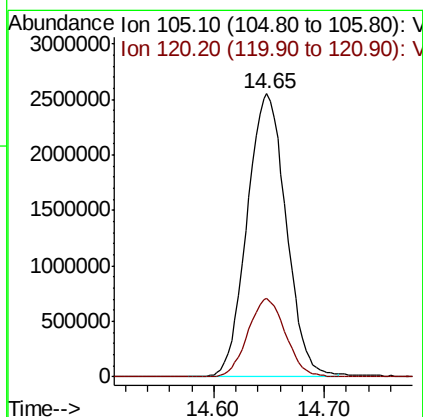
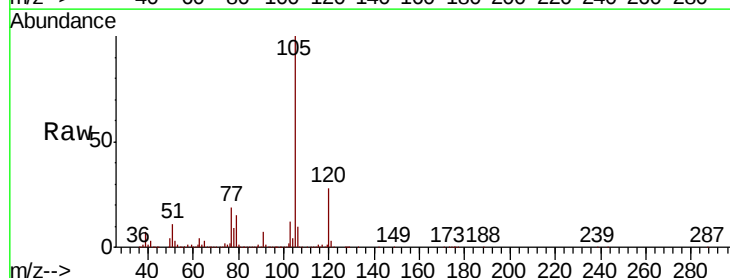
Manual Integrations
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#62
Isopropylbenzene
Concen: 9.654 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. 0.01 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	21.7	32.5





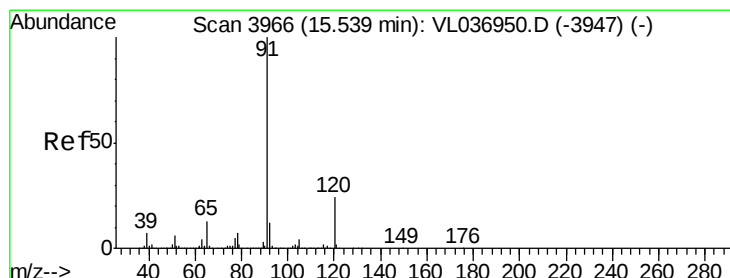
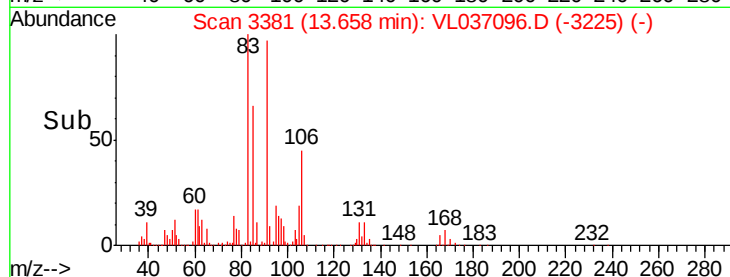
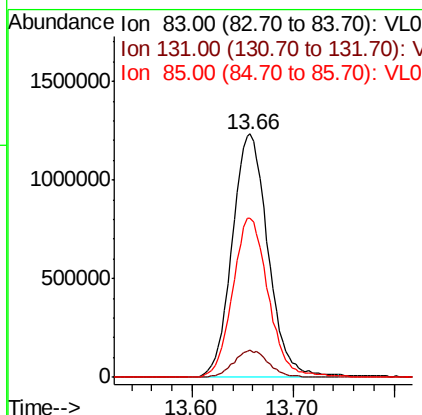
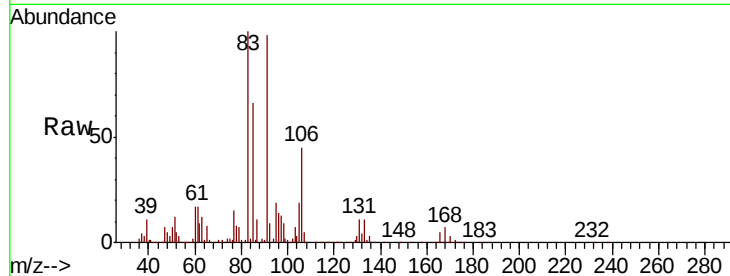
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.979 ppbv
 RT: 13.66 min Scan# 3381
 Delta R.T. 0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 3030979
 Ion Ratio Lower Upper
 83 100
 131 11.0 5.0 15.0
 85 65.8 32.9 98.6

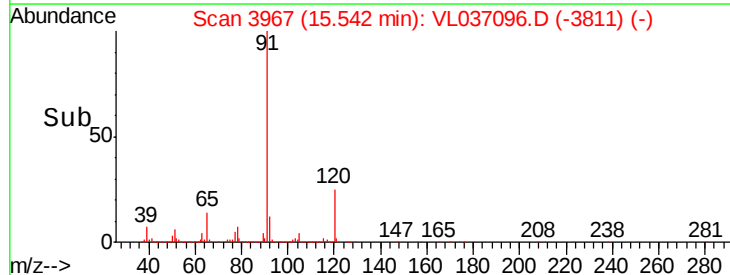
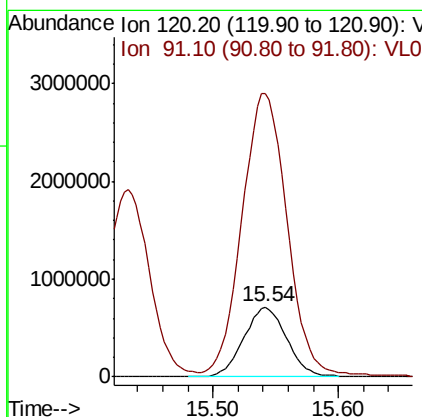
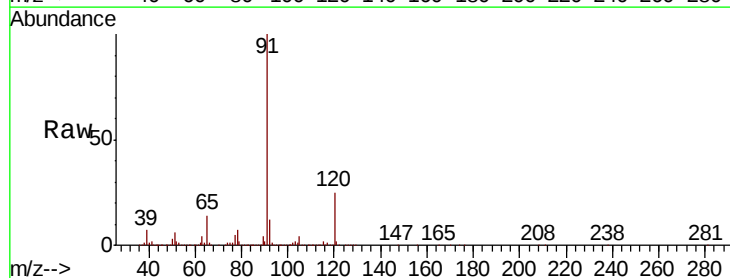
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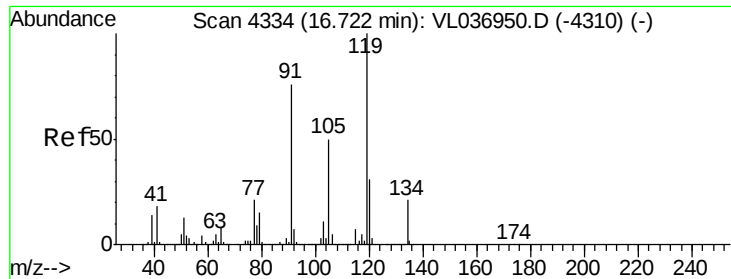
MMDadoda
 6/7/2021 2:59:44 PM



#64
 n-propylbenzene
 Concen: 10.090 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. 0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Tgt Ion: 120 Resp: 1691181
 Ion Ratio Lower Upper
 120 100
 91 432.2 343.8 515.6





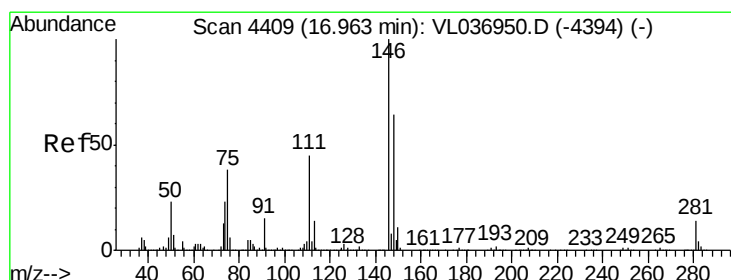
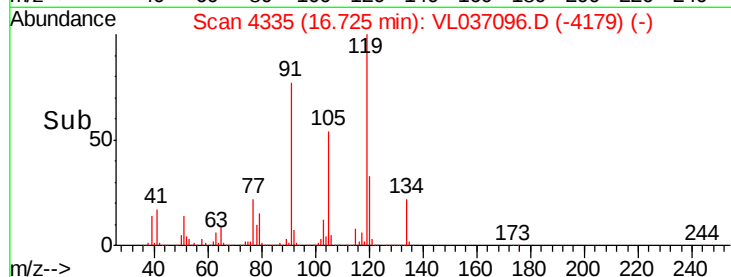
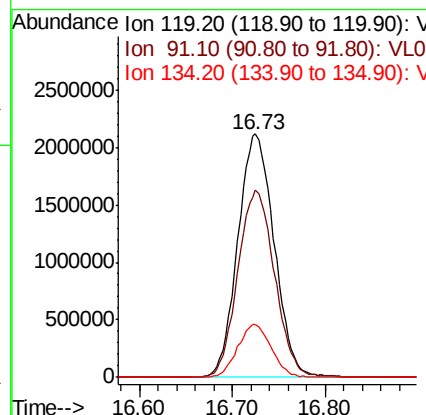
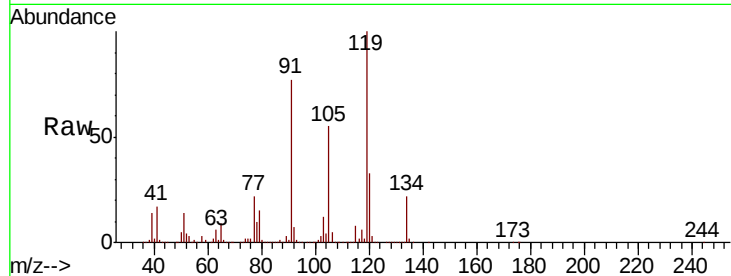
#65
tert-Butylbenzene
Concen: 9.782 ppbv
RT: 16.73 min Scan# 4335
Delta R.T. 0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 5733655
Ion Ratio Lower Upper
119 100
91 78.1 61.9 92.9
134 20.2 16.2 24.4

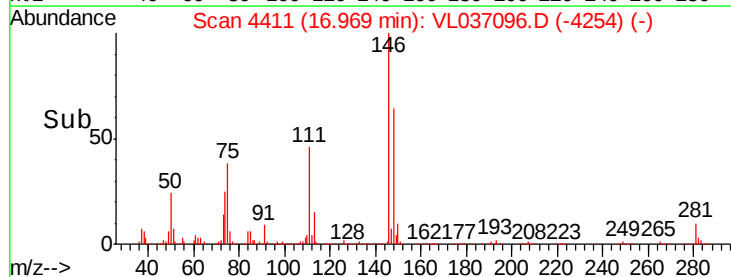
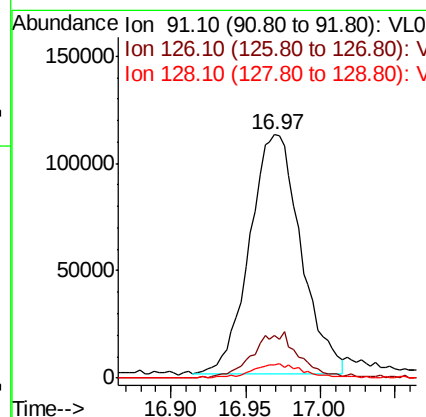
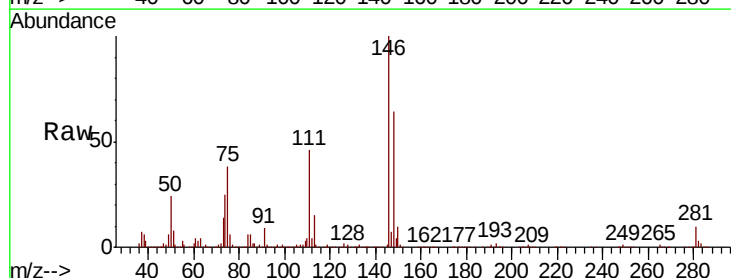
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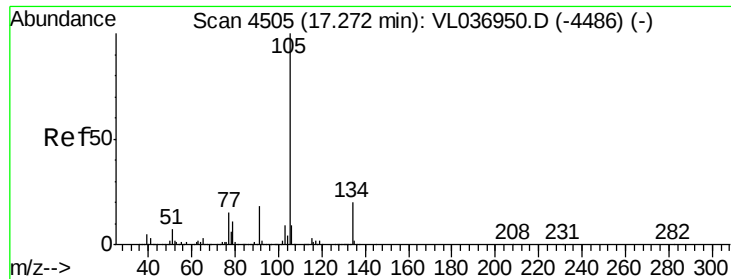
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#66
Benzyl Chloride
Concen: 8.239 ppbv
RT: 16.97 min Scan# 4411
Delta R.T. 0.01 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Tgt Ion: 91 Resp: 267956
Ion Ratio Lower Upper
91 100
126 17.7 16.5 24.7
128 6.3 5.5 8.3





#67

sec-Butylbenzene

Concen: 9.531 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 7621022

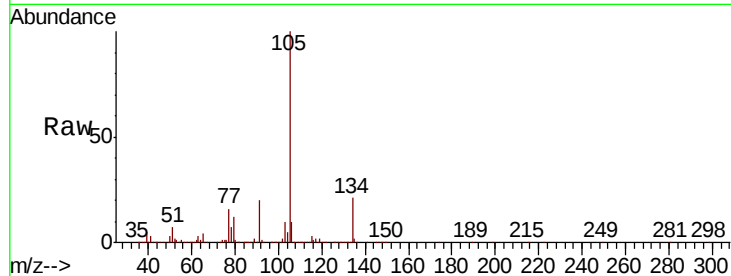
Ion Ratio Lower Upper

105 100

134 19.7 15.6 23.4

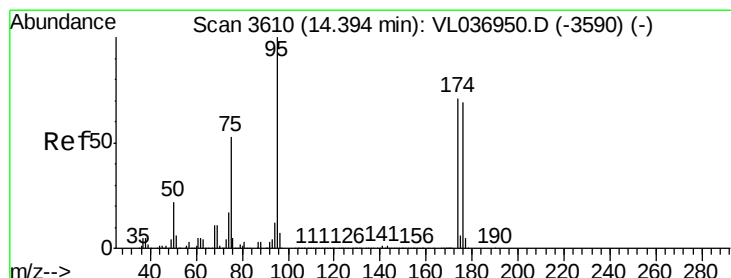
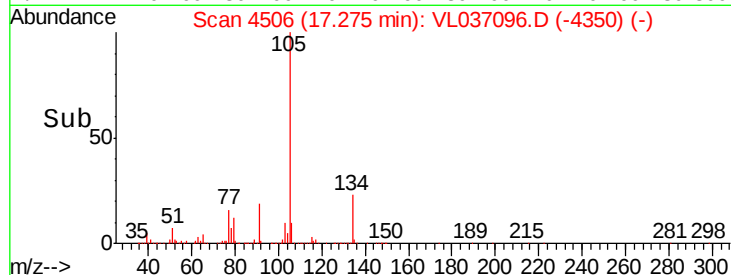
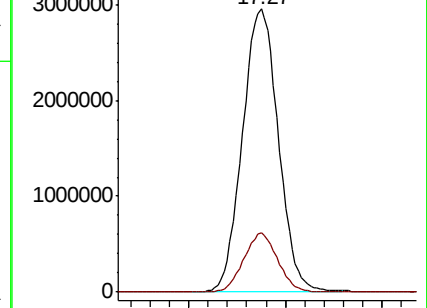
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.443 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

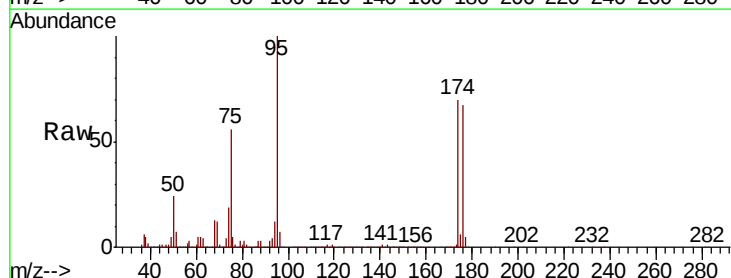
Tgt Ion: 95 Resp: 3186721

Ion Ratio Lower Upper

95 100

174 72.7 58.4 87.6

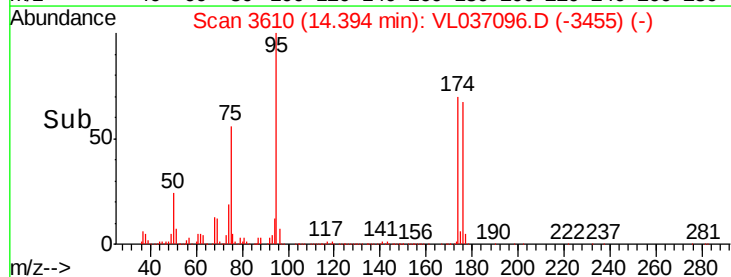
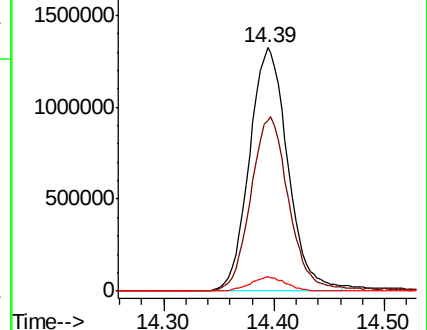
175 5.5 4.4 6.6

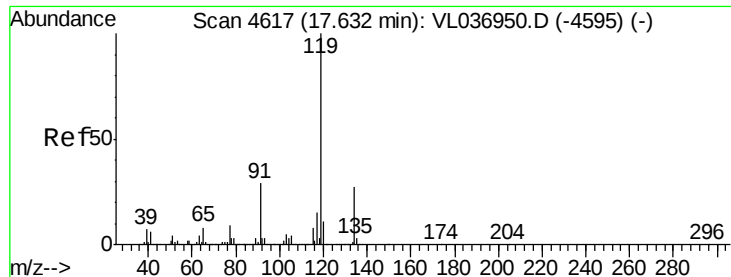


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





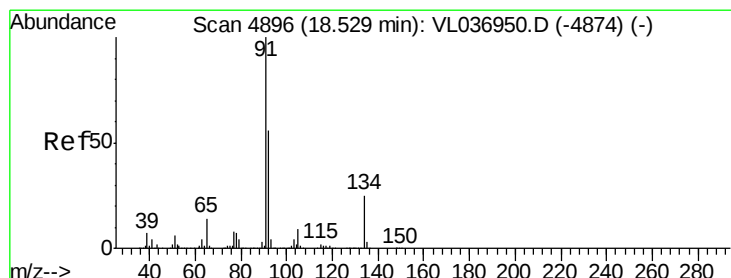
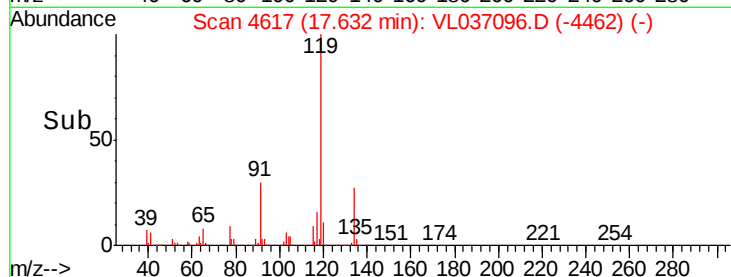
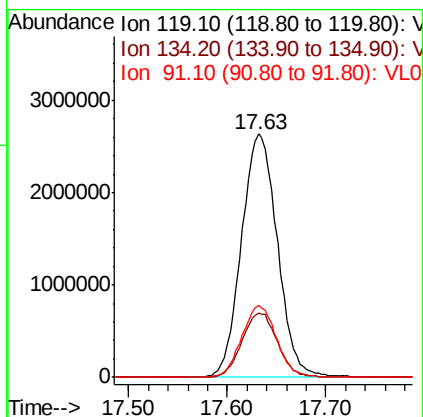
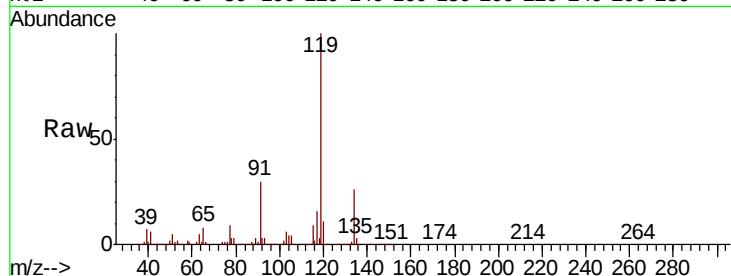
#69
p-Isopropyltoluene
Concen: 9.616 ppbv
RT: 17.63 min Scan# 4617
Delta R.T. -0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.2	31.8
91	28.9	22.2	33.4

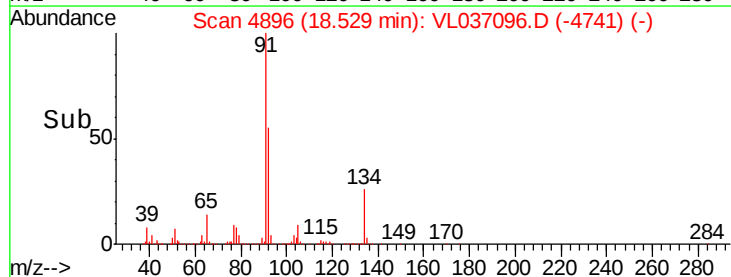
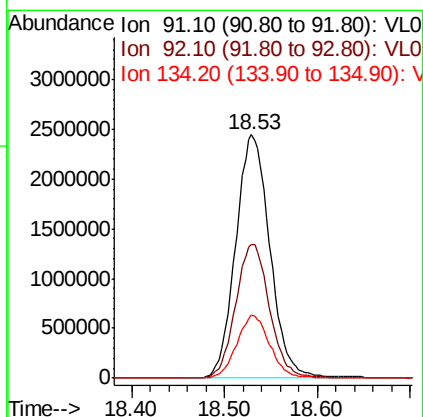
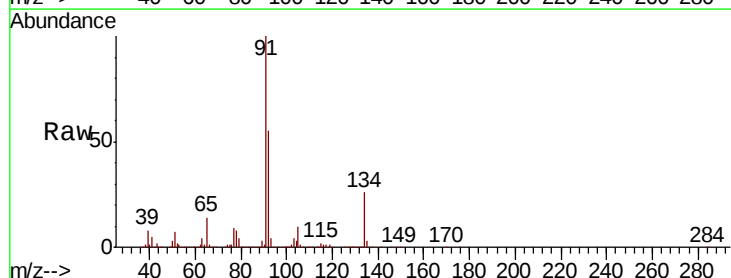
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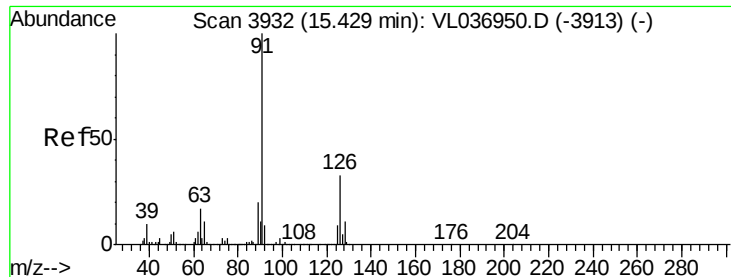
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#70
n-Butylbenzene
Concen: 9.554 ppbv
RT: 18.53 min Scan# 4896
Delta R.T. -0.00 min
Lab File: VL037096.D
Acq: 2 Jun 2021 8:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.6	66.8
134	25.1	20.2	30.2





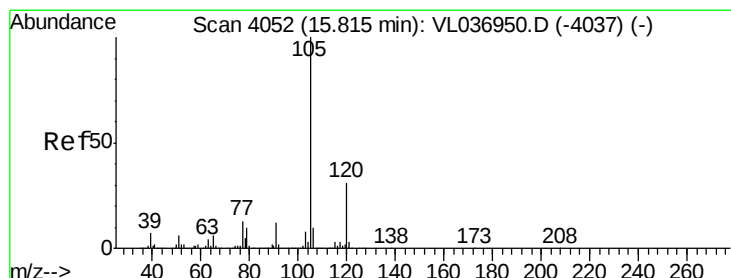
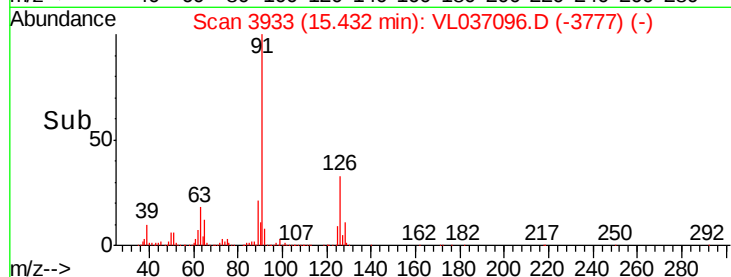
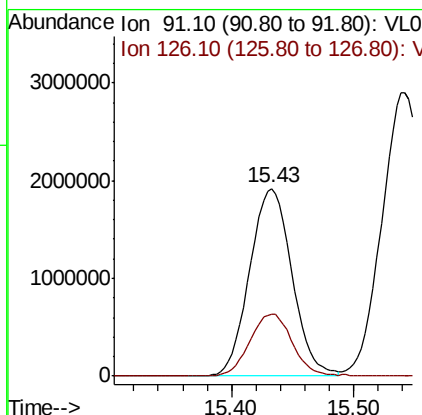
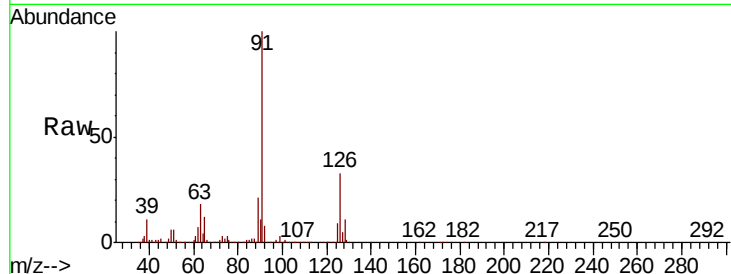
#71
 2-Chlorotoluene
 Concen: 9.832 ppbv
 RT: 15.43 min Scan# 3933
 Delta R.T. 0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 4612866
 Ion Ratio Lower Upper
 91 100
 126 33.9 13.1 52.5

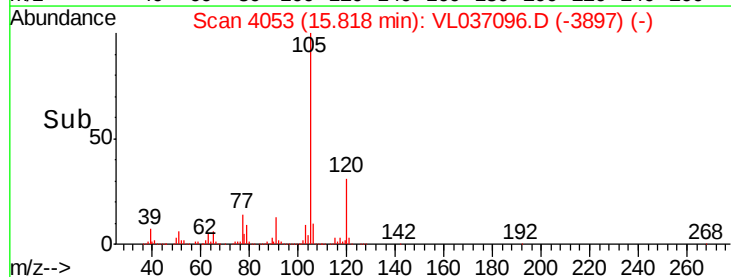
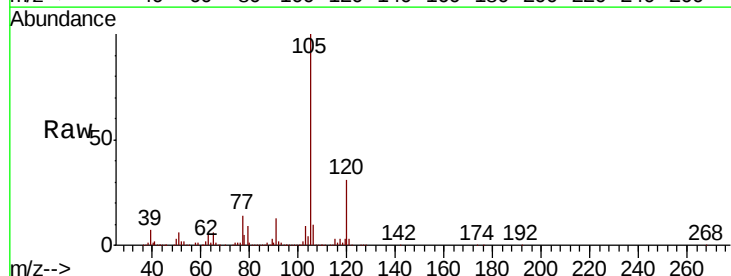
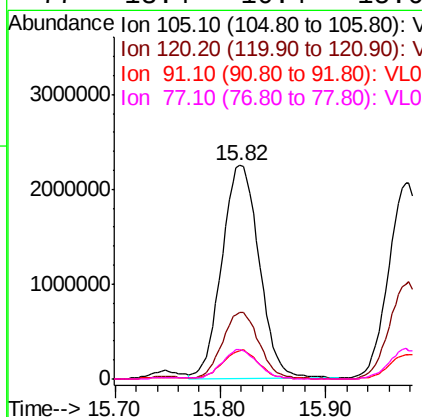
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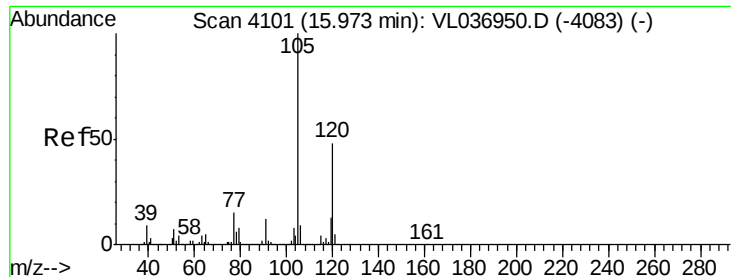
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#72
 4-Ethyltoluene
 Concen: 10.293 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. 0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Tgt Ion: 105 Resp: 5521765
 Ion Ratio Lower Upper
 105 100
 120 30.7 24.6 37.0
 91 12.7 9.8 14.6
 77 13.4 10.4 15.6





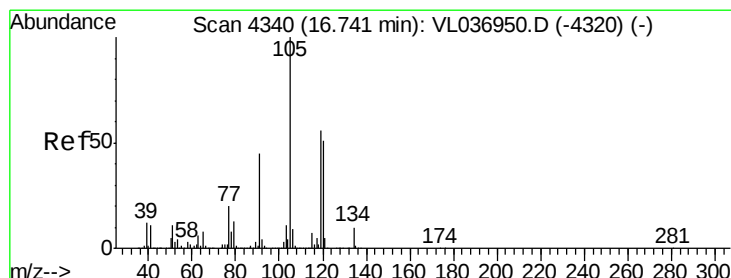
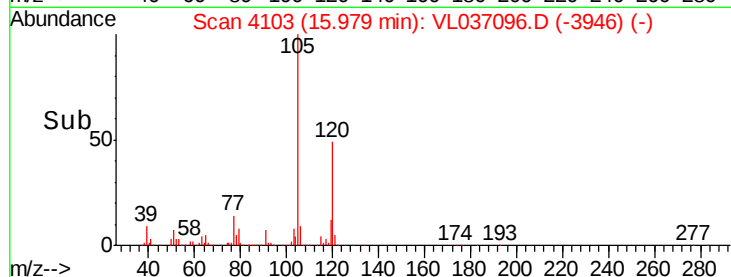
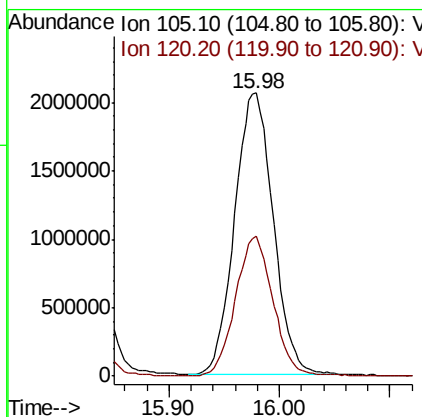
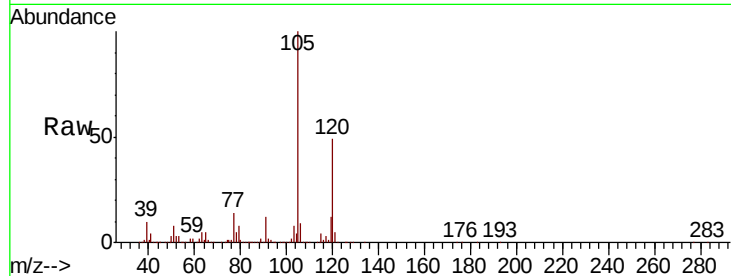
#73
 1,3,5-Trimethylbenzene
 Concen: 9.908 ppbv
 RT: 15.98 min Scan# 4103
 Delta R.T. 0.01 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 4991413
 Ion Ratio Lower Upper
 105 100
 120 49.6 38.6 58.0

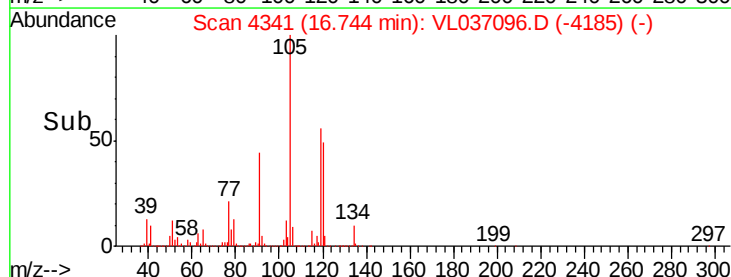
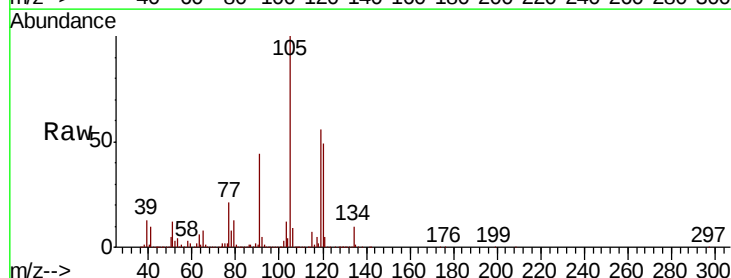
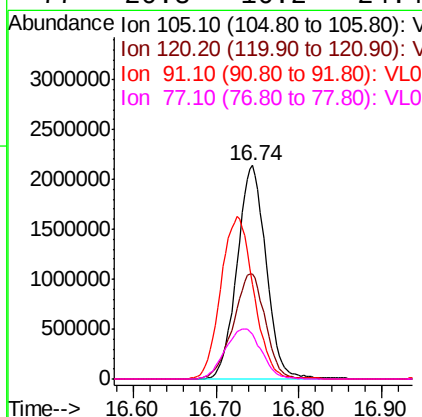
Manual Integrations
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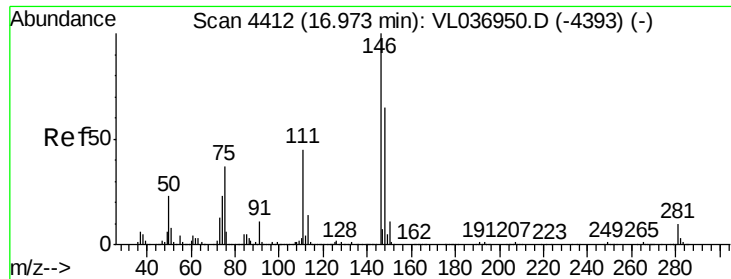
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.978 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. 0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Tgt Ion:105 Resp: 5197253
 Ion Ratio Lower Upper
 105 100
 120 49.3 40.6 61.0
 91 44.2 37.4 56.0
 77 20.8 16.2 24.4





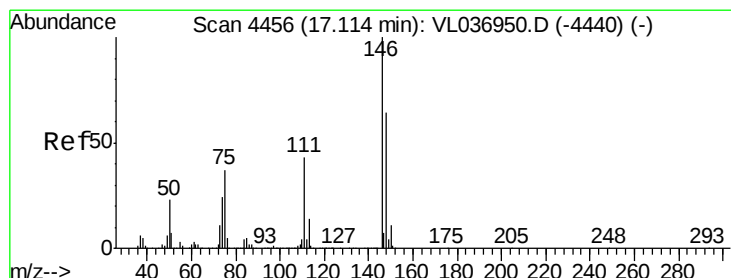
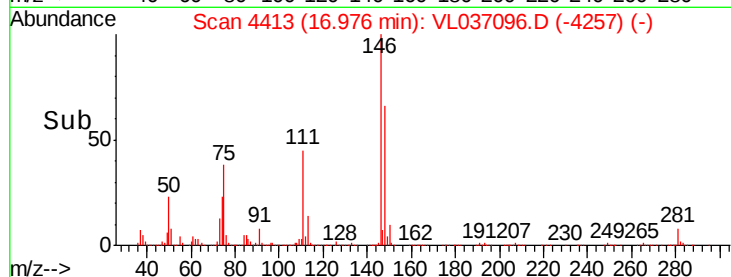
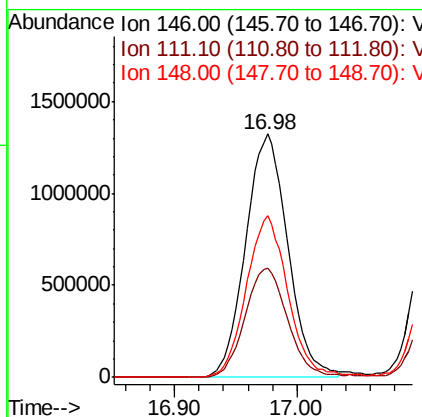
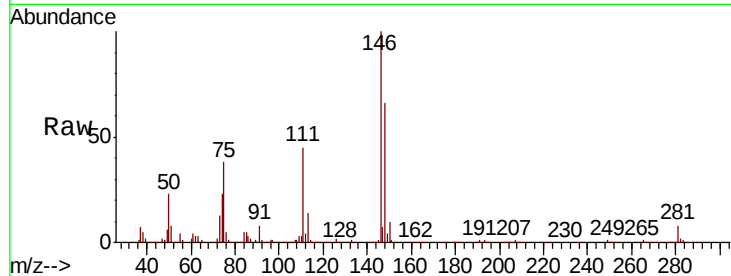
#75
 1,3-Dichlorobenzene
 Concen: 9.952 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T. 0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 3165629
 Ion Ratio Lower Upper
 146 100
 111 45.6 22.2 66.6
 148 65.5 32.3 96.8

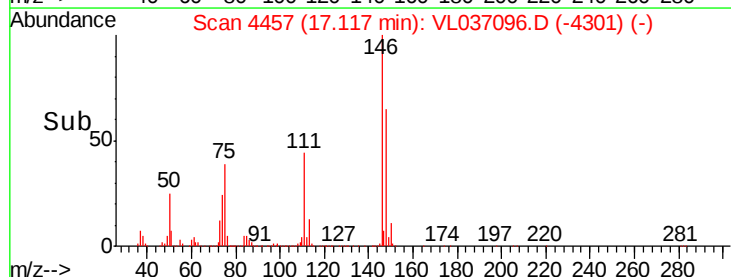
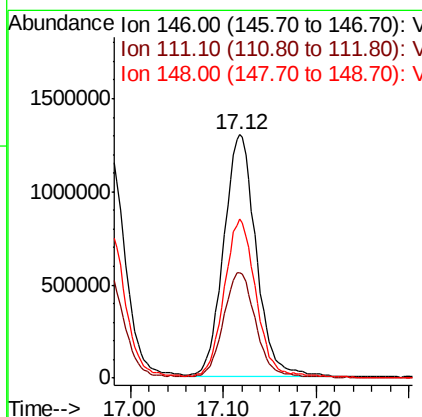
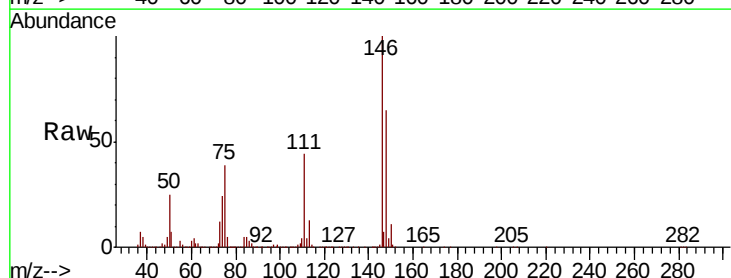
Manual Integrations
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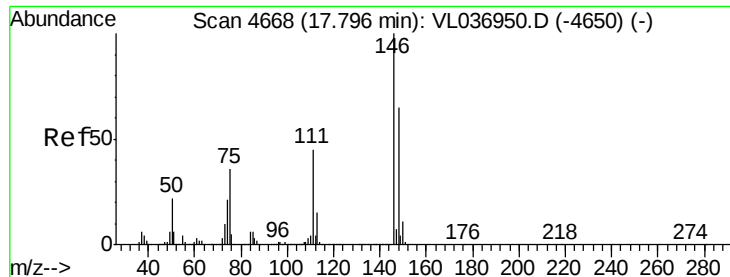
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#76
 1,4-Dichlorobenzene
 Concen: 9.796 ppbv
 RT: 17.12 min Scan# 4457
 Delta R.T. 0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Tgt Ion:146 Resp: 3150452
 Ion Ratio Lower Upper
 146 100
 111 43.8 22.6 67.7
 148 65.2 33.5 100.5





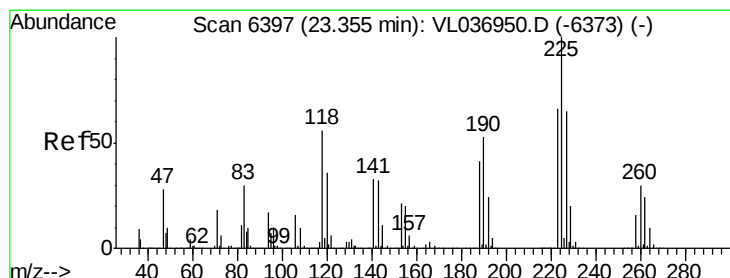
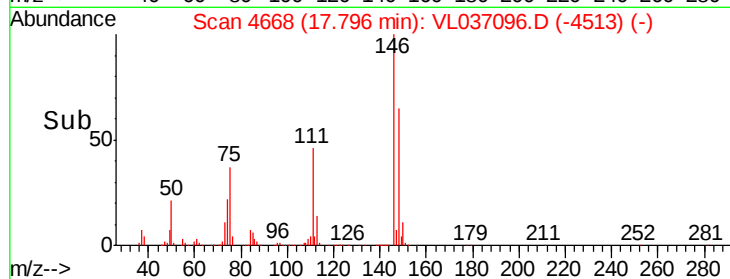
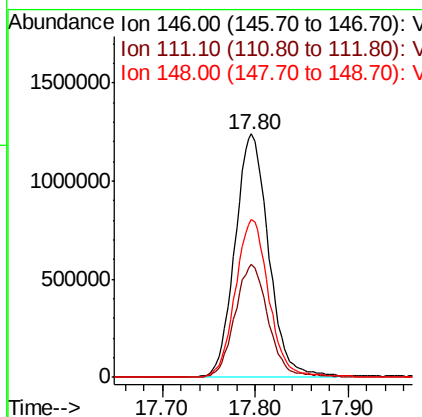
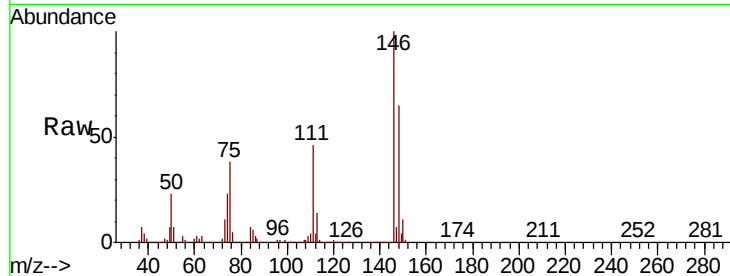
#77
 1,2-Dichlorobenzene
 Concen: 9.755 ppbv
 RT: 17.80 min Scan# 4668
 Delta R.T. -0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.3	23.1	69.2
148	64.7	32.5	97.4

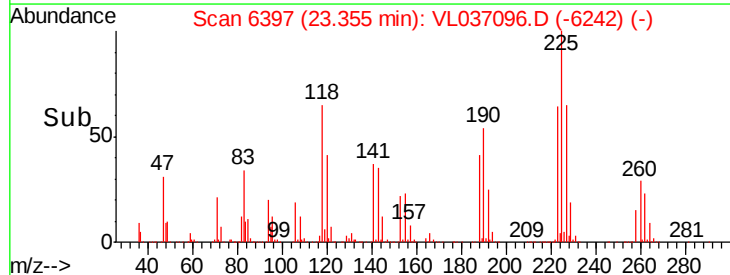
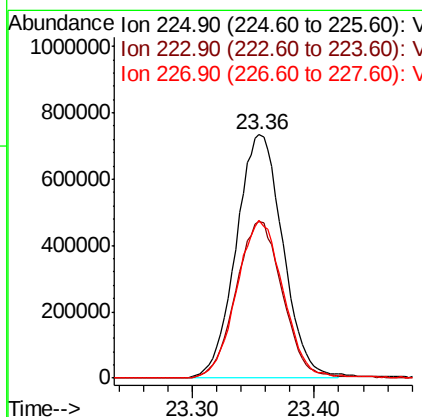
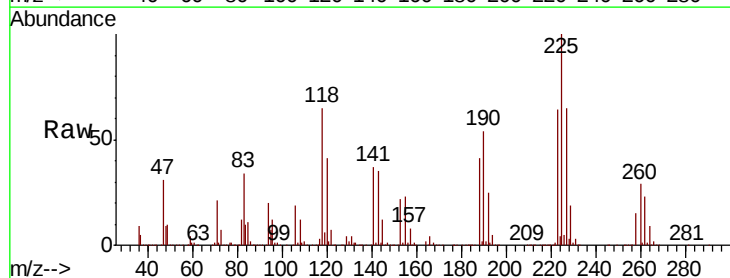
Manual Integrations
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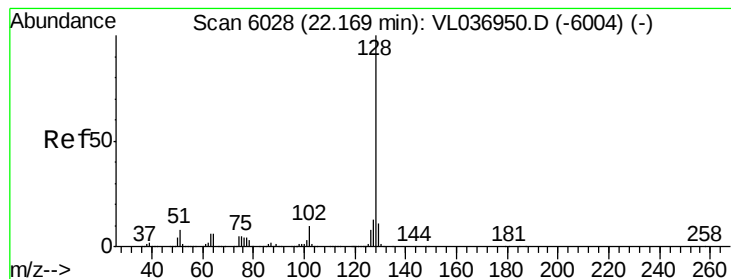
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.563 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. -0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	51.9	77.9
227	65.6	51.8	77.6





#79

Naphthalene

Concen: 9.434 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. -0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 3855568

Ion Ratio Lower Upper

128 100

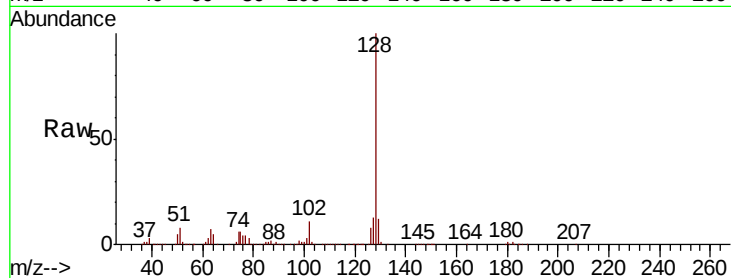
127 12.7 10.4 15.6

129 11.9 9.0 13.6

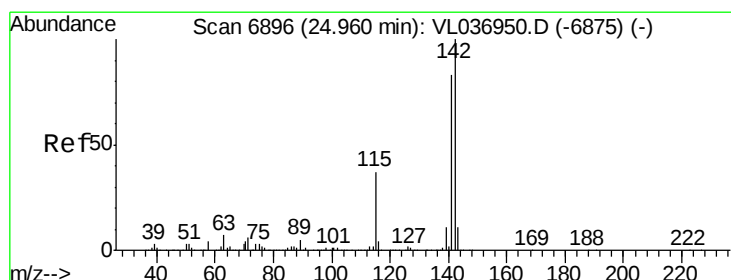
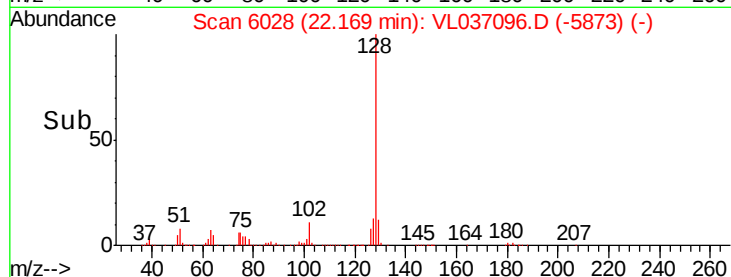
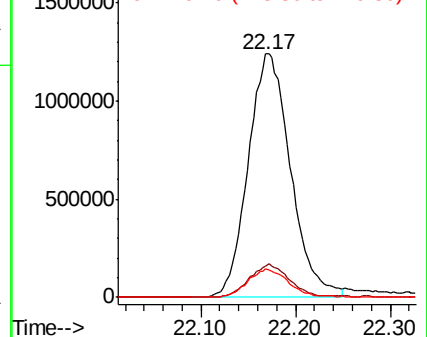
Manual Integrations
APPROVED

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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: 11.618 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. -0.00 min

Lab File: VL037096.D

Acq: 2 Jun 2021 8:09

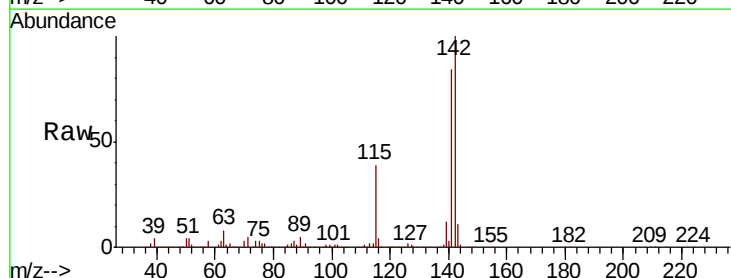
Tgt Ion:142 Resp: 1032542

Ion Ratio Lower Upper

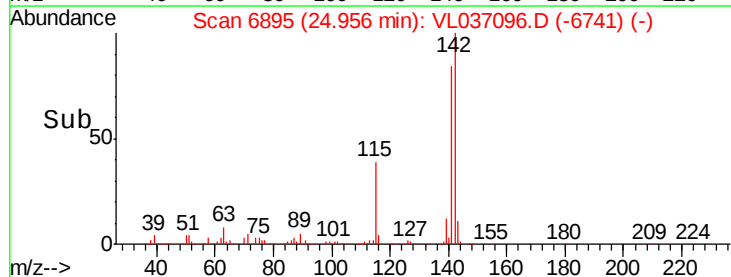
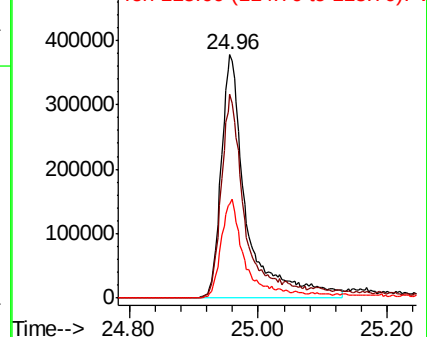
142 100

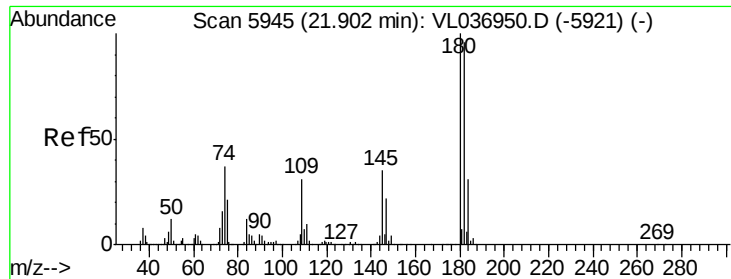
141 85.1 69.3 103.9

115 38.8 29.1 43.7



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: 9.171 ppbv
 RT: 21.90 min Scan# 5946
 Delta R.T. 0.00 min
 Lab File: VL037096.D
 Acq: 2 Jun 2021 8:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	81.7	122.5
184	30.4	24.9	37.3

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 2:59:44 PM

