

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060821\
 Data File : VL037128.D
 Acq On : 8 Jun 2021 11:41
 Operator : SY/AP
 Sample : VL0608ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0608ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/9/2021 4:23:15 PM

Quant Time: Jun 09 01:32:57 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	5.66	49	1411372	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	4333934	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	4189161m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3187803	10.13	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2256328	9.424	ppbv	100
3) Chlorodifluoromethane	2.98	51	2711284	10.486	ppbv	96
4) Chloromethane	3.14	50	946585	10.758	ppbv	97
5) Vinyl Chloride	3.25	62	977441	10.163	ppbv	99
6) Bromomethane	3.47	94	607334	11.984	ppbv	94
7) Chloroethane	3.56	64	366669	11.742	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2526987	11.241	ppbv	96
9) Propene	3.01	41	866837	9.362	ppbv	98
10) Heptane	8.12	43	2249279	9.748	ppbv	100
11) Trichlorofluoromethane	3.95	101	2720098	12.274	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1856925	11.763	ppbv	96
13) Ethanol	3.61	45	86148	6.974	ppbv	85
14) Bromoethene	3.74	108	802602	11.543	ppbv	99
15) Acetone	3.85	43	1342514	9.287	ppbv	96
16) 1,3-Butadiene	3.32	39	993639	11.063	ppbv	97
17) tert-Butyl alcohol	4.29	59	1512395	11.421	ppbv	100
18) 1,1-Dichloroethene	4.29	96	832455	11.404	ppbv	97
19) Isopropyl Alcohol	3.96	45	805929	10.371	ppbv #	36
20) Methylene Chloride	4.34	84	657415	8.484	ppbv	98
21) Allyl Chloride	4.41	41	1221732	11.203	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	862126	12.324	ppbv	98
23) Vinyl Acetate	5.07	43	2449805	10.677	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1781746	10.788	ppbv	100
25) Ethyl Acetate	5.67	43	3522948	10.142	ppbv	100
26) Hexane	5.68	57	1679083	9.462	ppbv	97
27) Carbon Disulfide	4.55	76	1921142	10.741	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2113333	9.935	ppbv	99
29) Chloroform	5.75	83	2769794	11.048	ppbv	98
30) Cyclohexane	7.13	84	1521538	10.089	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1717755	10.796	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	2898343	10.766	ppbv	99
34) 2-Butanone	5.24	43	1687978	10.696	ppbv	98
35) Carbon Tetrachloride	7.01	117	3110687	10.802	ppbv	99
36) Benzene	6.89	78	3537026	9.475	ppbv	97
37) 1,2-Dichloroethane	6.30	62	2102909	11.362	ppbv	98
38) Trichloroethene	7.83	130	1550092	9.707	ppbv	99
39) 1,2-Dichloropropane	7.61	63	1345426	9.356	ppbv	96
40) 1,4-Dioxane	7.83	88	340727	10.035	ppbv #	100
41) Tetrahydrofuran	6.05	42	825819	9.188	ppbv	97
42) Bromodichloromethane	7.79	83	3084841	11.017	ppbv	98
43) Methyl Methacrylate	8.01	69	1320258	10.261	ppbv	99

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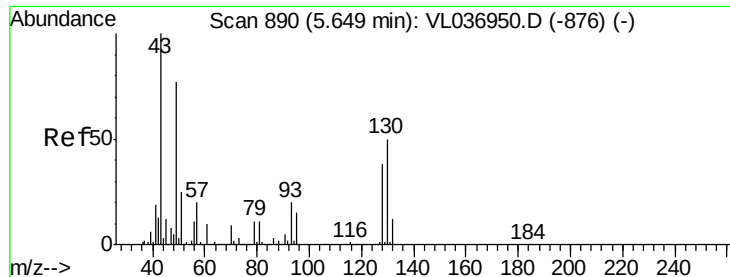
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MMDadoda
 6/9/2021 4:23:15 PM

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5800495	9.057	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	1282711	13.049	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1617074	12.230	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1555238	10.333	ppbv	99
48) Dibromochloromethane	10.30	129	2757315	11.314	ppbv	99
49) Bromoform	13.04	173	2307292	11.464	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2539743	9.753	ppbv	99
51) 2-Hexanone	10.13	43	1345418	9.773	ppbv #	97
52) Tetrachloroethene	11.22	164	1501910	10.118	ppbv	95
53) Toluene	9.80	91	4325166	9.737	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2331070	10.894	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1900294	10.781	ppbv #	56
57) Chlorobenzene	12.14	112	3336008	10.270	ppbv	97
58) Ethyl Benzene	12.71	91	5792610	9.797	ppbv	99
59) m/p-Xylene	12.99	91	9777326m	20.006	ppbv	
60) o-Xylene	13.69	91	4647037	9.970	ppbv	99
61) Styrene	13.52	104	2721290	10.363	ppbv	98
62) Isopropylbenzene	14.66	105	6572111	9.811	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	3135740	9.008	ppbv	98
64) n-propylbenzene	15.56	120	1782158	10.311	ppbv	99
65) tert-Butylbenzene	16.74	119	5974170	9.883	ppbv	99
66) Benzyl Chloride	16.98	91	294887	8.792	ppbv	97
67) sec-Butylbenzene	17.29	105	7958428	9.651	ppbv	99
69) p-Isopropyltoluene	17.65	119	6880288	9.704	ppbv	99
70) n-Butylbenzene	18.55	91	6504049	9.657	ppbv	99
71) 2-Chlorotoluene	15.45	91	4814964	9.952	ppbv	98
72) 4-Ethyltoluene	15.84	105	5705290	10.313	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	5226321	10.060	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	5379226	10.014	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	3352065	10.219	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	3189020	9.616	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3213201	9.776	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2055891	7.779	ppbv	99
79) Naphthalene	22.19	128	4000609	9.492	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	933208	10.182	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	2281448	8.880	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

Lab File: VL037128.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS01

Tot Ion: 49 Resp: 1411372

Ion Ratio Lower Upper

49 100

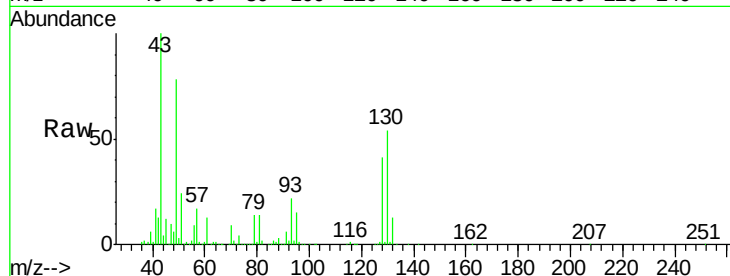
128 59.5 26.9 80.7

130 74.7 33.8 101.4

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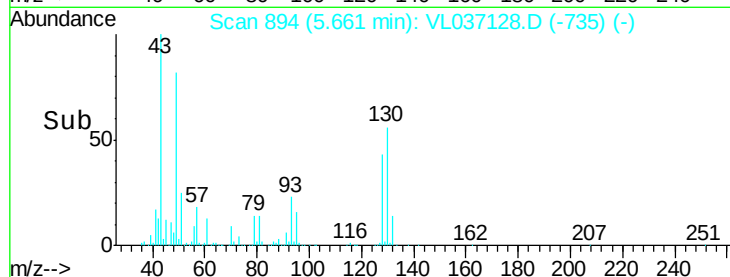
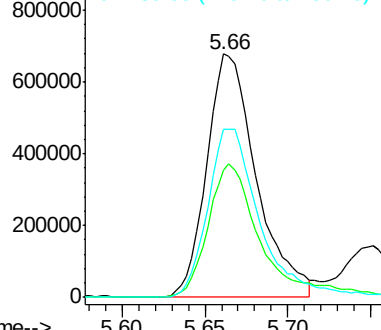
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.424 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.01 min

Lab File: VL037128.D

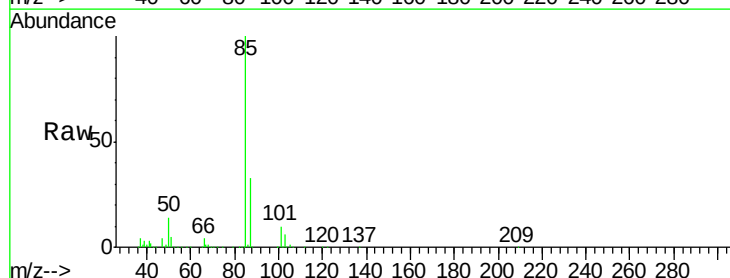
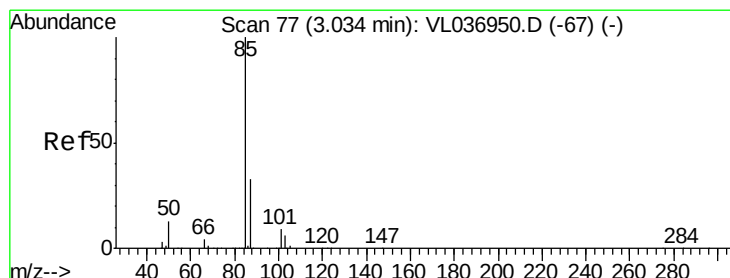
Acq: 8 Jun 2021 11:41

Tgt Ion: 85 Resp: 2256328

Ion Ratio Lower Upper

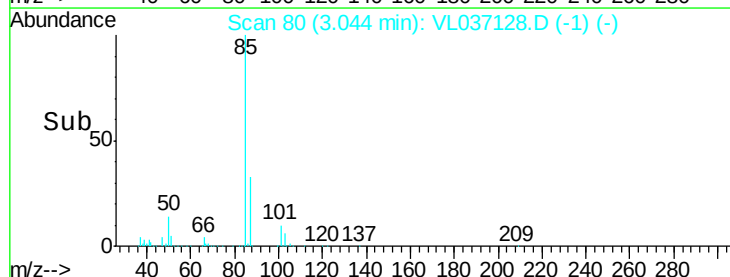
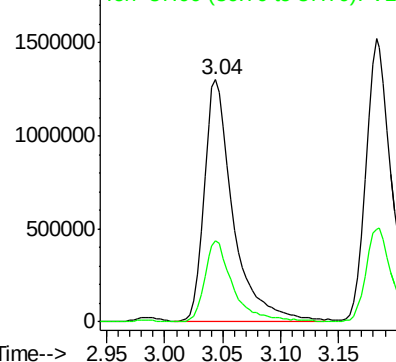
85 100

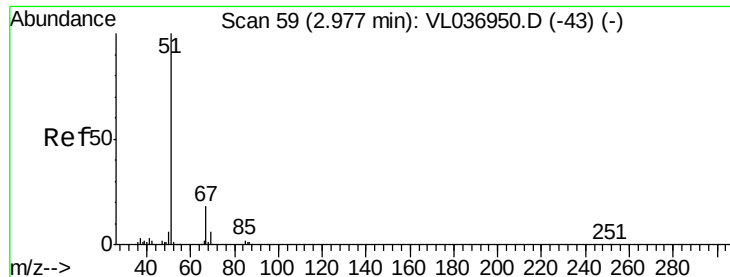
87 33.4 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.486 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Tot Ion: 51 Resp: 2711284

Ion Ratio Lower Upper

51 100

67 20.1 14.6 21.8

Instrument :

MSVOA_L

ClientSampleId :

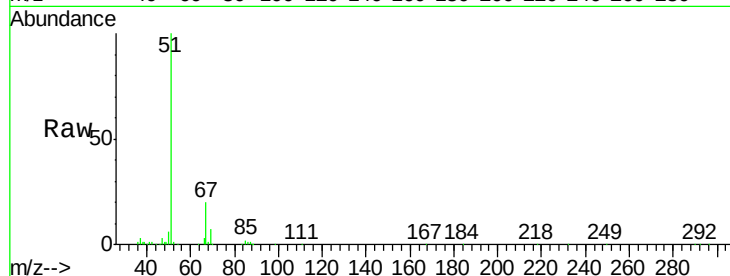
VL0608ABS01

Manual Integrations

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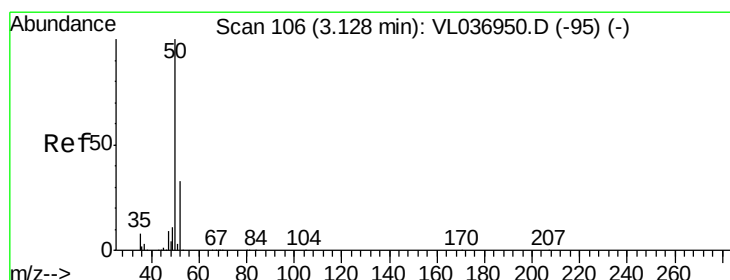
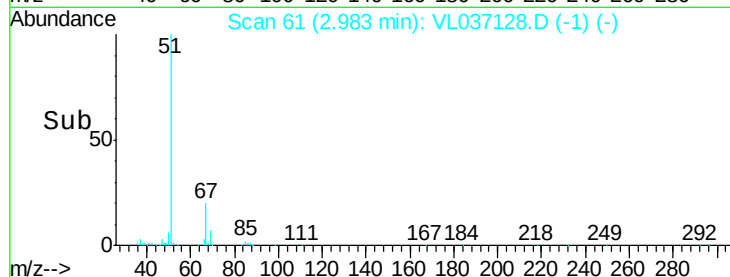
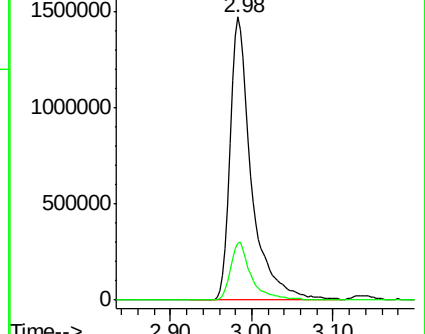
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.758 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.01 min

Lab File: VL037128.D

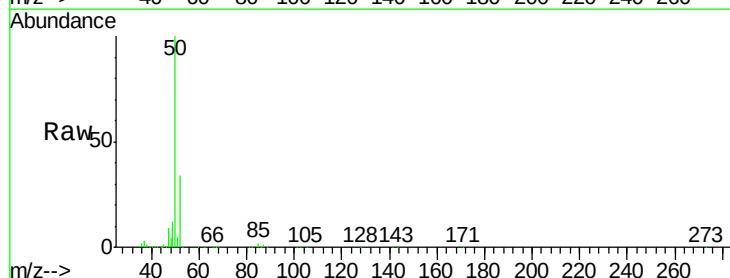
Acq: 8 Jun 2021 11:41

Tgt Ion: 50 Resp: 946585

Ion Ratio Lower Upper

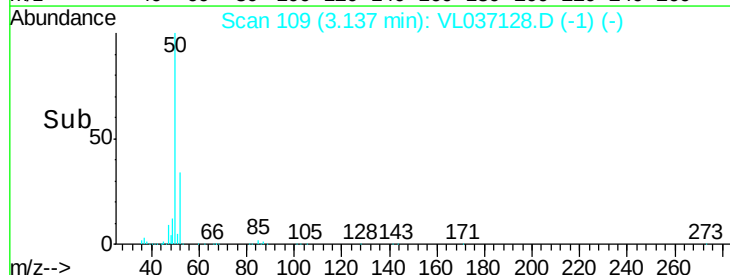
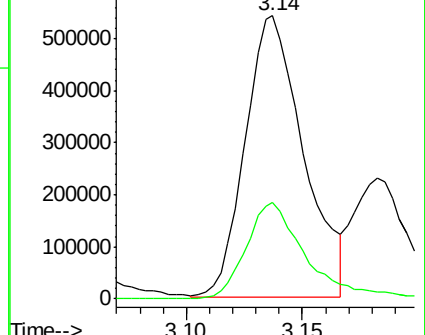
50 100

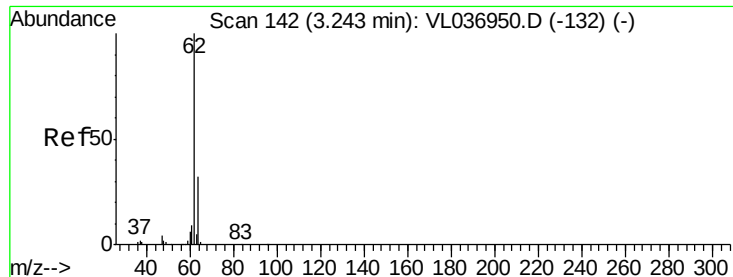
52 34.4 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.163 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.01 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS01

Tot Ion: 62 Resp: 977441

Ion Ratio Lower Upper

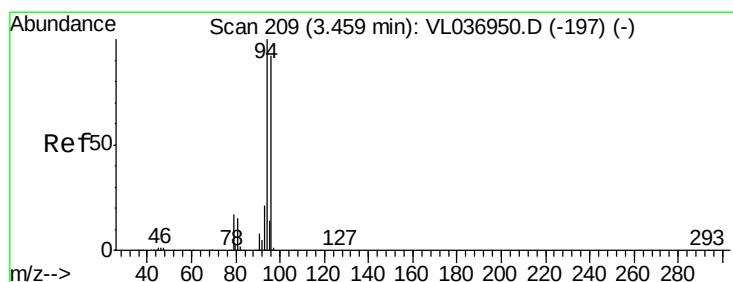
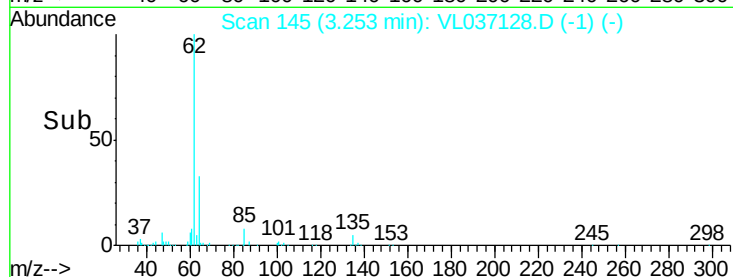
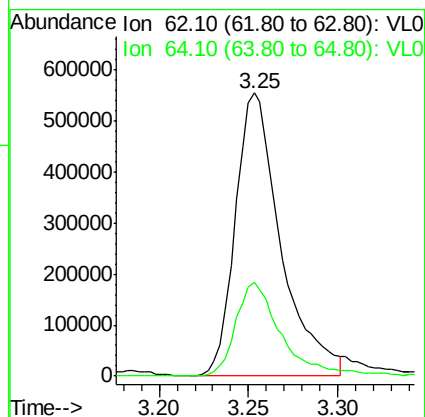
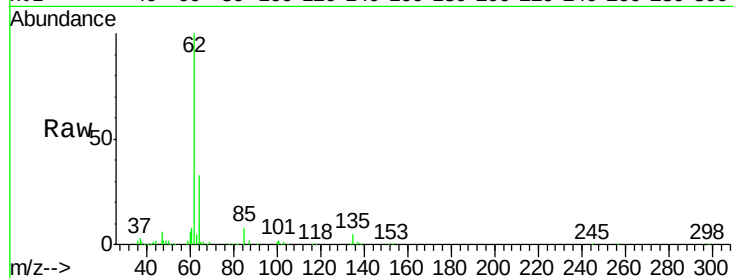
62 100

64 33.1 25.9 38.9

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#6

Bromomethane

Concen: 11.984 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.01 min

Lab File: VL037128.D

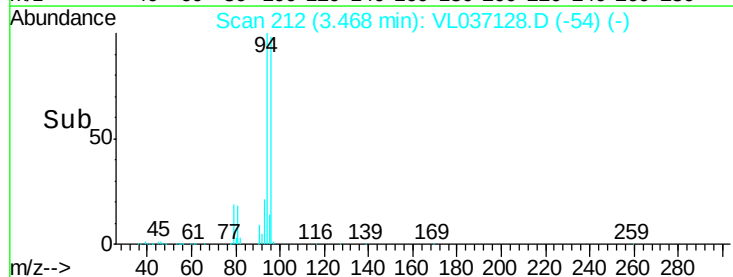
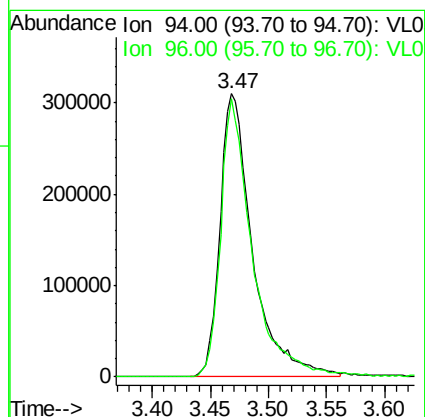
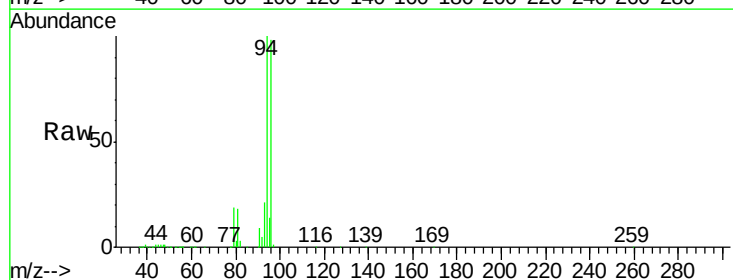
Acq: 8 Jun 2021 11:41

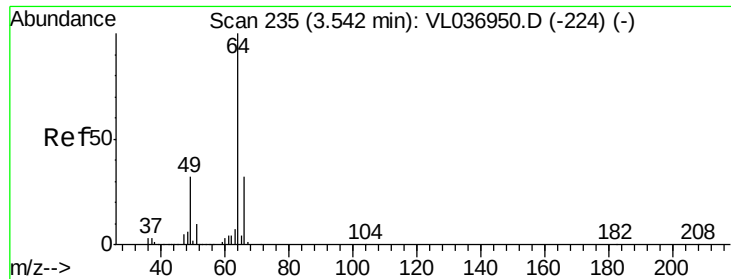
Tgt Ion: 94 Resp: 607334

Ion Ratio Lower Upper

94 100

96 98.3 74.0 111.0





#7

Chloroethane

Concen: 11.742 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.01 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS01

Tot Ion: 64 Resp: 366669

Ion Ratio Lower Upper

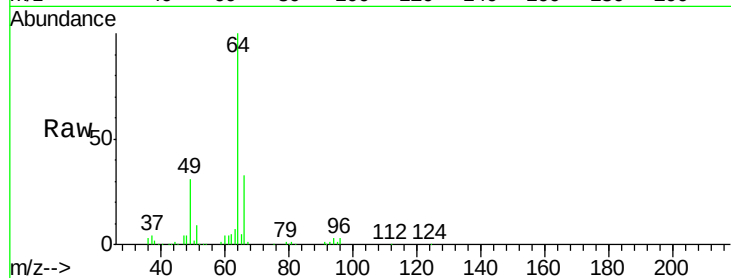
64 100

66 33.3 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

3.56

200000

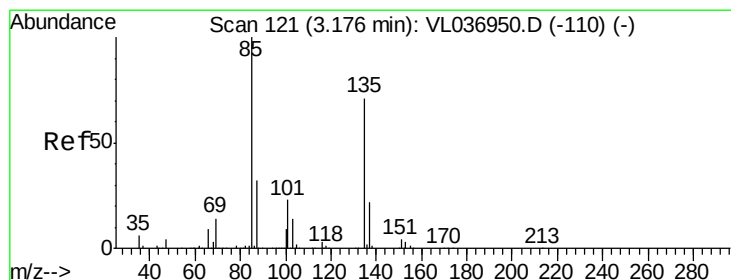
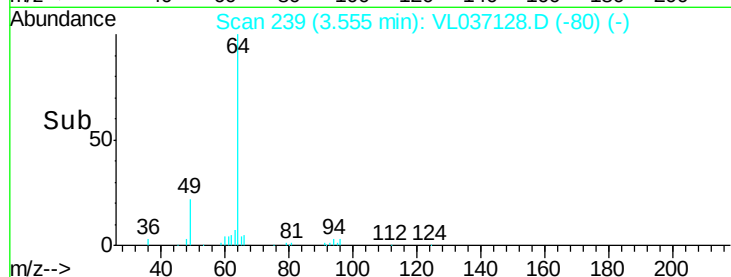
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 11.241 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL037128.D

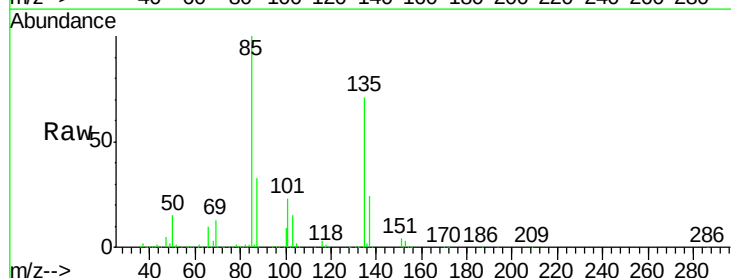
Acq: 8 Jun 2021 11:41

Tgt Ion: 85 Resp: 2526987

Ion Ratio Lower Upper

85 100

135 75.3 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

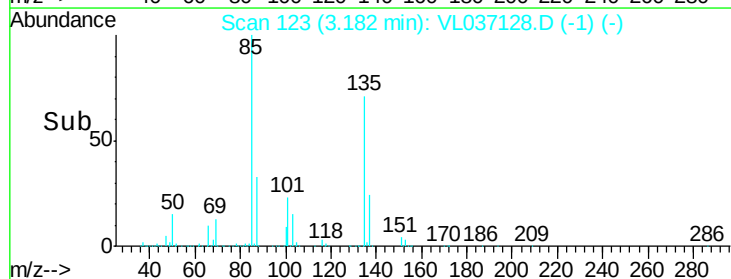
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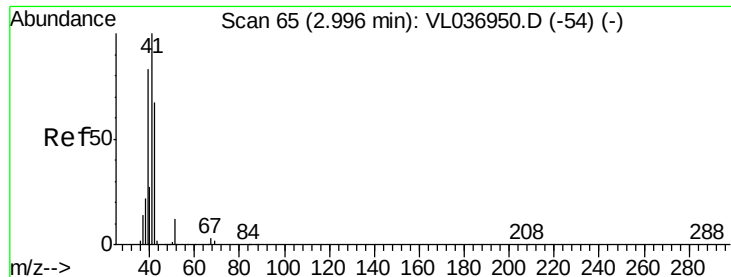
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500000

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Time-->





#9

Propene

Concen: 9.362 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS01

Tot Ion: 41 Resp: 866837

Ion Ratio Lower Upper

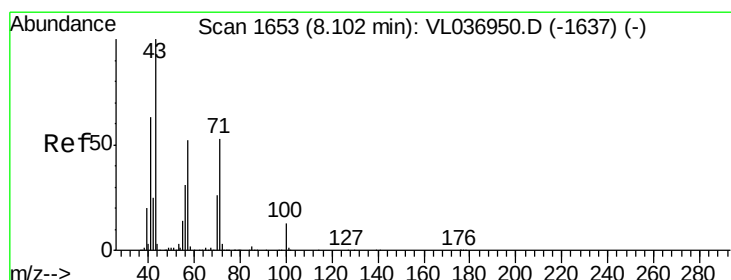
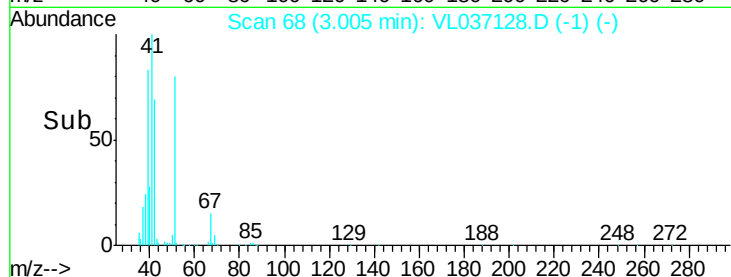
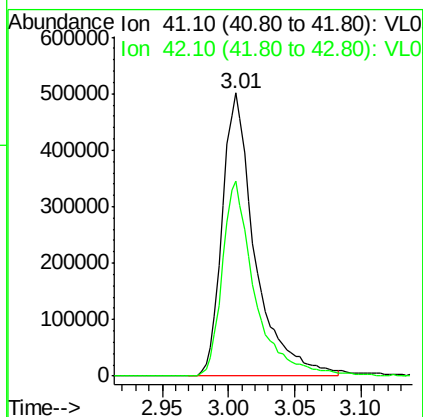
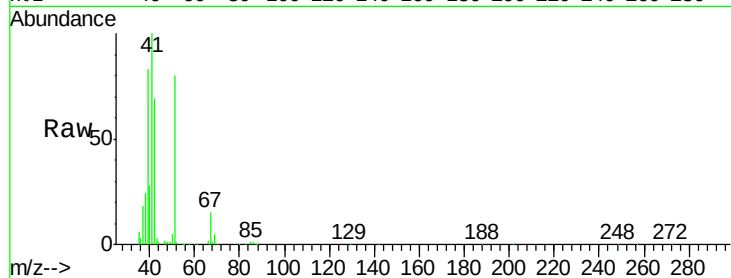
41 100

42 68.9 53.9 80.9

Manual Integrations
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#10

Heptane

Concen: 9.748 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.02 min

Lab File: VL037128.D

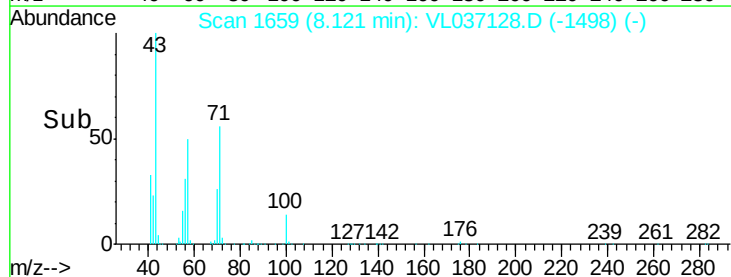
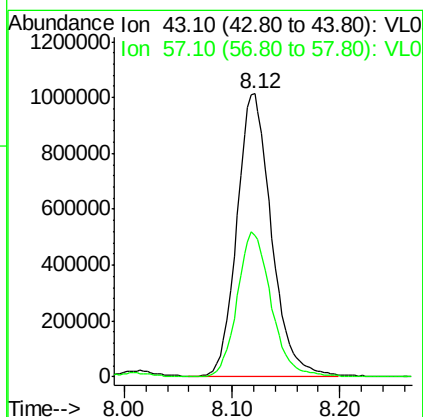
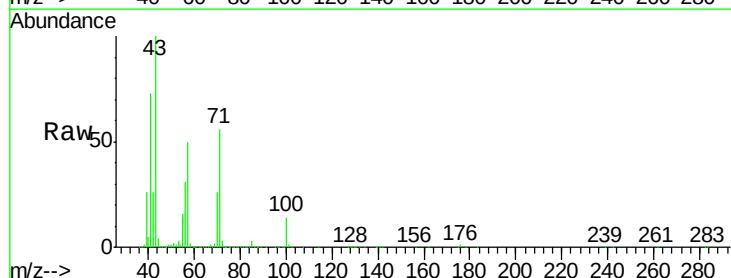
Acq: 8 Jun 2021 11:41

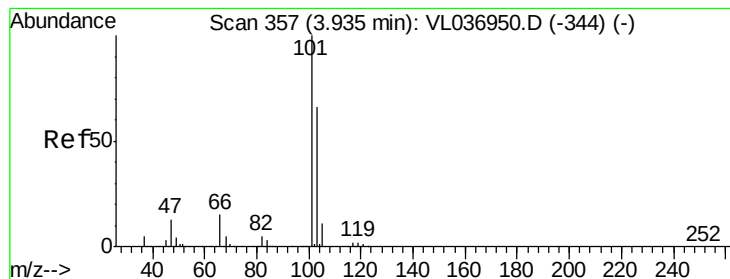
Tgt Ion: 43 Resp: 2249279

Ion Ratio Lower Upper

43 100

57 51.4 41.0 61.6





#11

Trichlorofluoromethane

Concen: 12.274 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS01

Tot Ion:101 Resp: 2720098

Ion Ratio Lower Upper

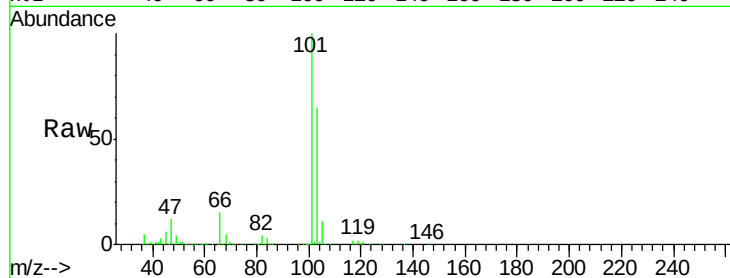
101 100

103 64.5 52.6 79.0

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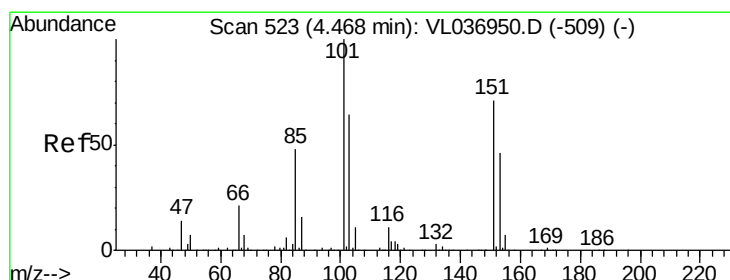
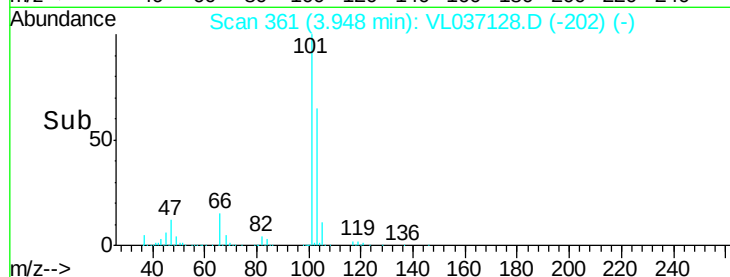
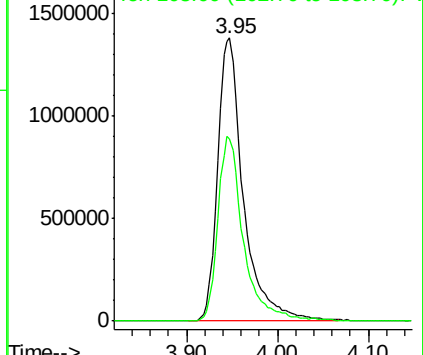
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.763 ppbv

RT: 4.48 min Scan# 527

Delta R.T. 0.01 min

Lab File: VL037128.D

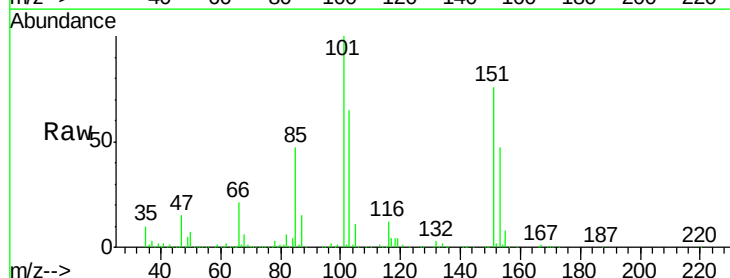
Acq: 8 Jun 2021 11:41

Tgt Ion:101 Resp: 1856925

Ion Ratio Lower Upper

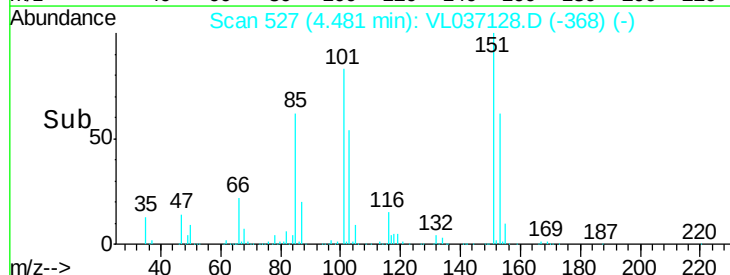
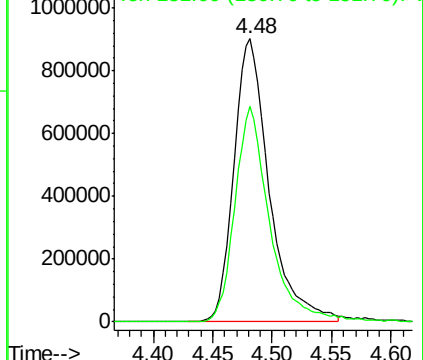
101 100

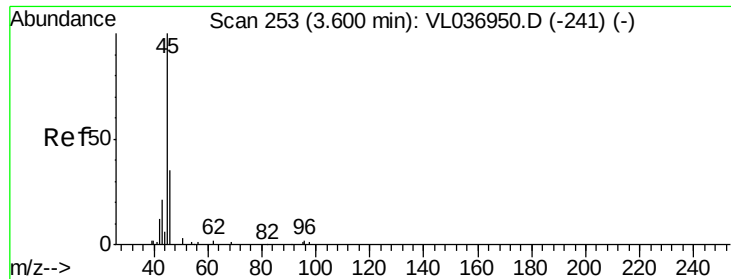
151 75.4 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





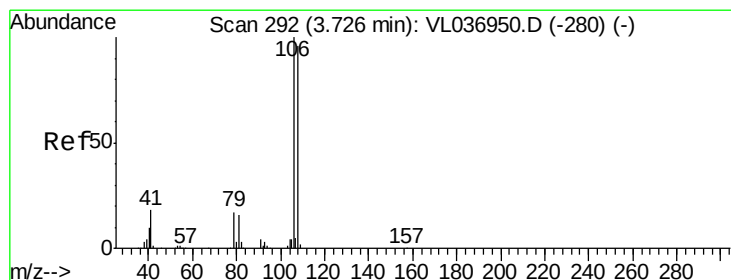
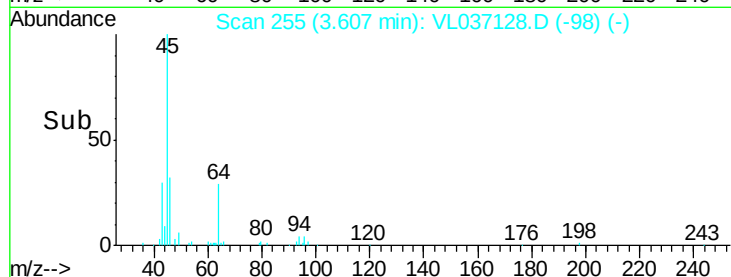
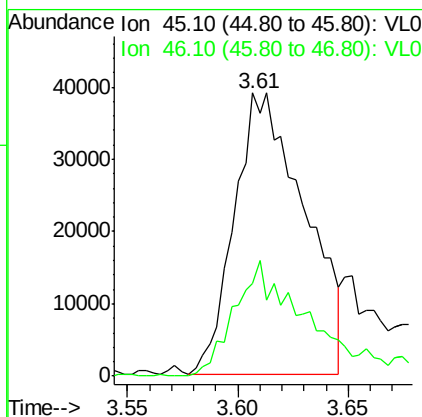
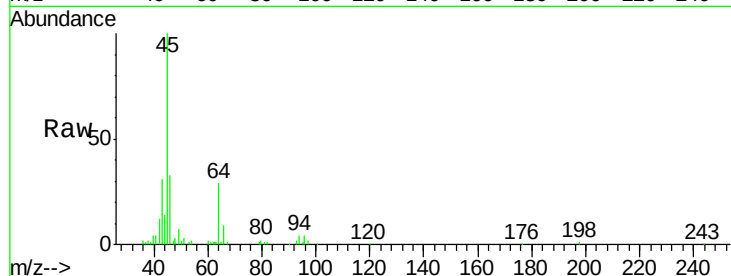
#13
Ethanol
Concen: 6.974 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL037128.D
Acq: 8 Jun 2021 11:41

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS01

Tot Ion	45	46	Ratio	100	49.9	Resp	86148	Lower	16.3	Upper	65.3
Ion	45	46	Ratio	100	49.9	Resp	86148	Lower	16.3	Upper	65.3

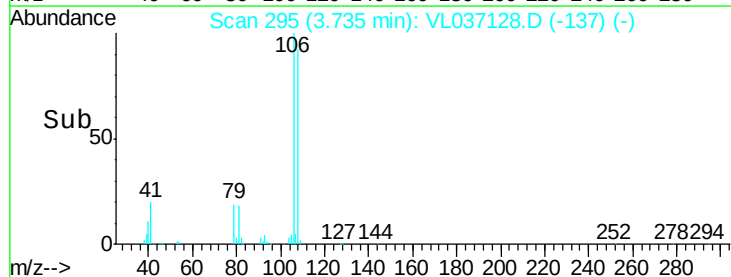
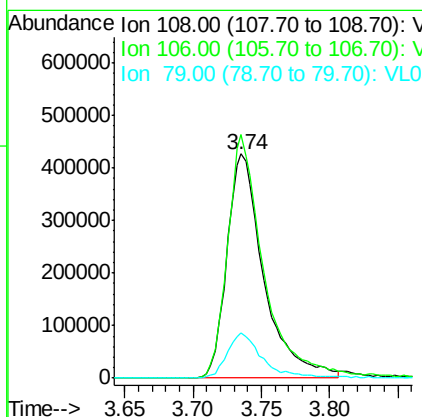
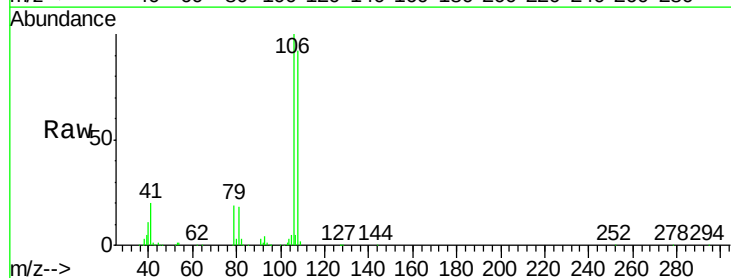
Manual Integrations
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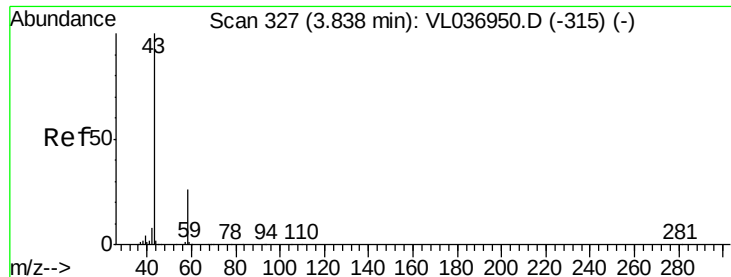
MMDadoda
6/9/2021 4:23:15 PM



#14
Bromoethene
Concen: 11.543 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.01 min
Lab File: VL037128.D
Acq: 8 Jun 2021 11:41

Tgt Ion	108	106	79	Ratio	100	108.0	20.0	Resp	802602	Lower	86.5	Upper	129.7	22.4
Ion	108	106	79	Ratio	100	108.0	20.0	Resp	802602	Lower	86.5	Upper	129.7	22.4





#15

Acetone

Concen: 9.287 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS01

Tot Ion: 43 Resp: 1342514

Ion Ratio Lower Upper

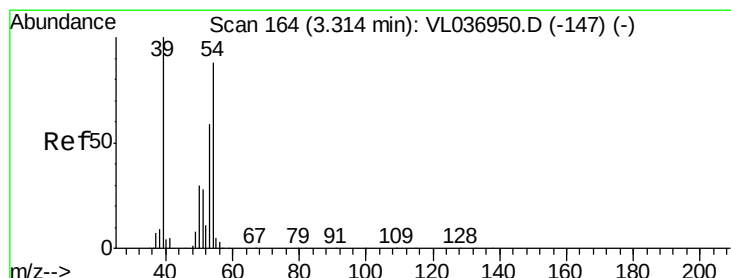
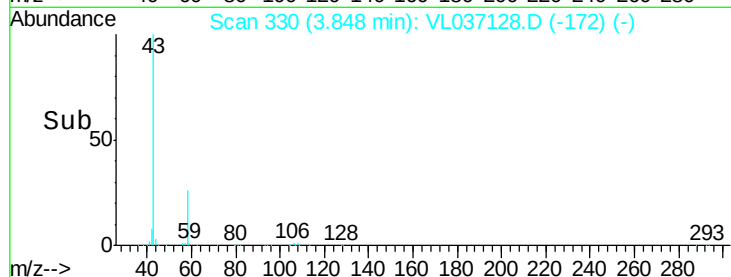
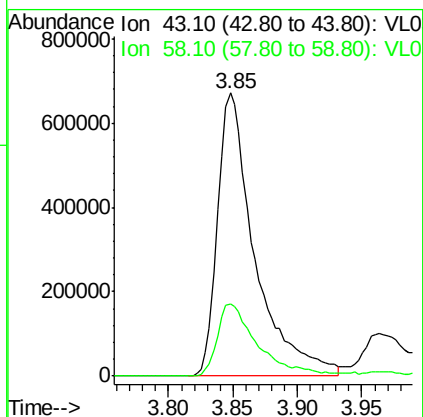
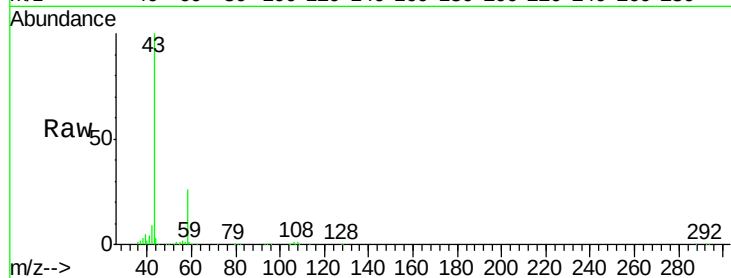
43 100

58 27.8 24.0 36.0

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#16

1,3-Butadiene

Concen: 11.063 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.01 min

Lab File: VL037128.D

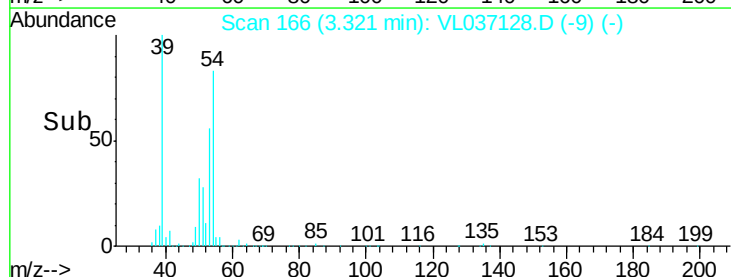
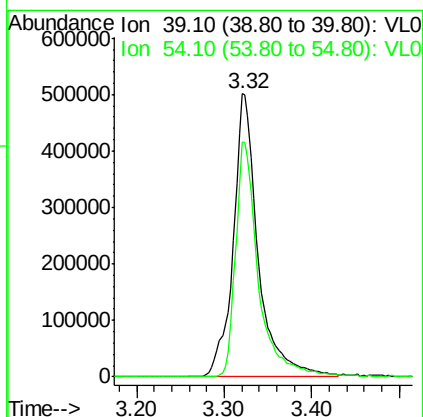
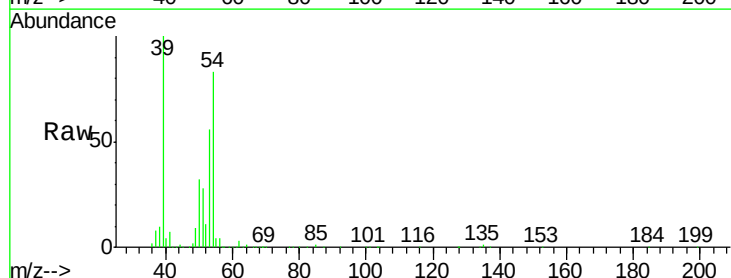
Acq: 8 Jun 2021 11:41

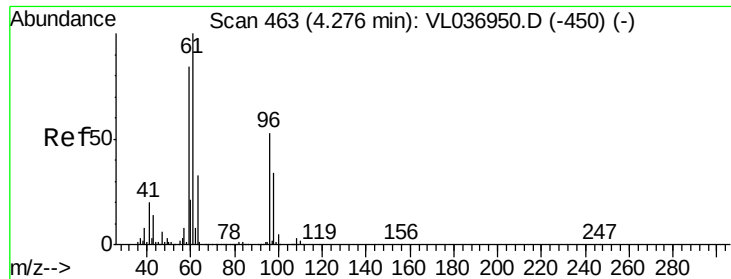
Tgt Ion: 39 Resp: 993639

Ion Ratio Lower Upper

39 100

54 76.4 63.2 94.8





#17

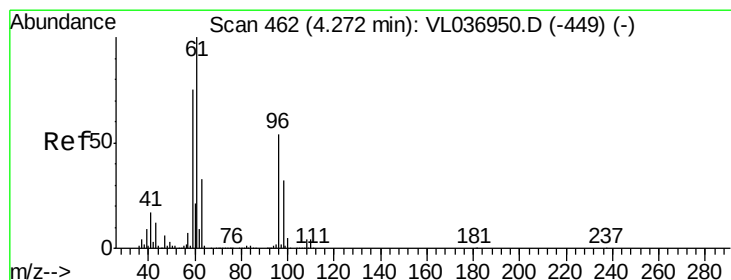
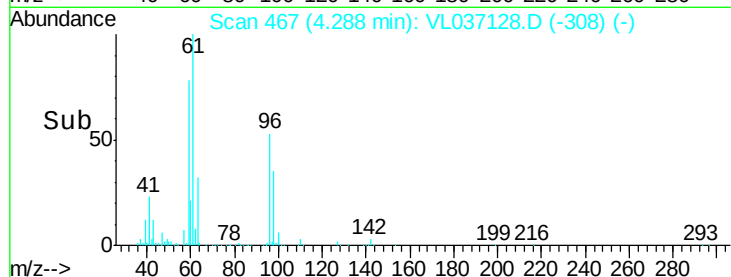
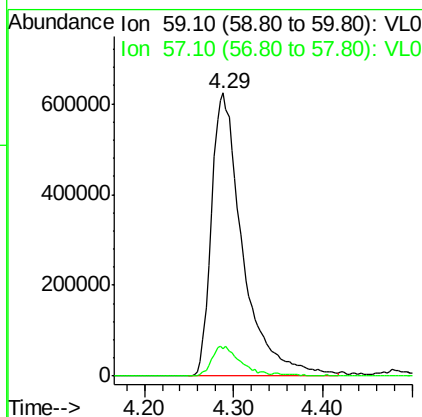
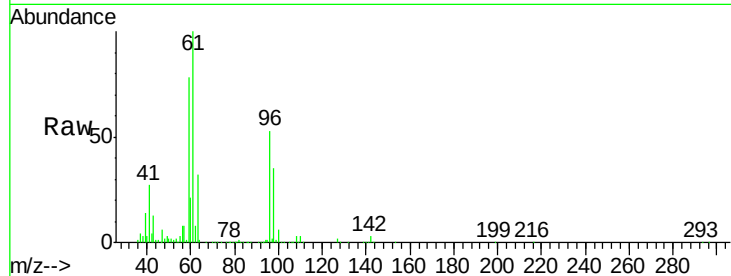
tert-Butyl alcohol
Concen: 11.421 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.01 min
Lab File: VL037128.D
Acq: 8 Jun 2021 11:41

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS01

Tot Ion: 59 Resp: 1512395
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5

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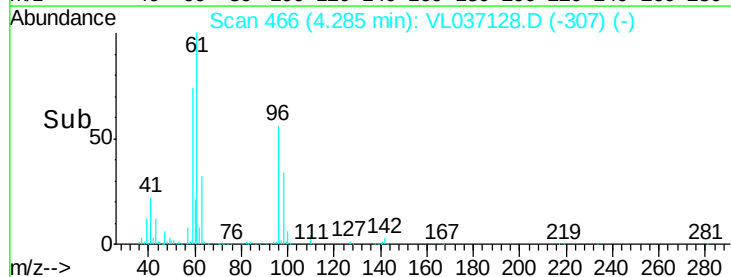
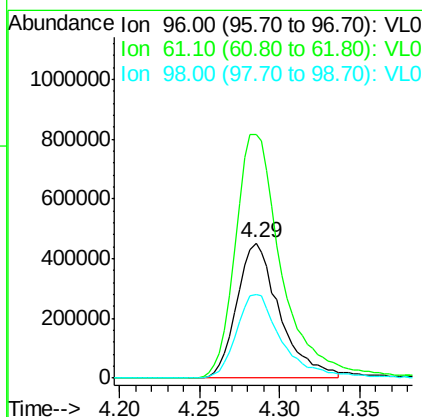
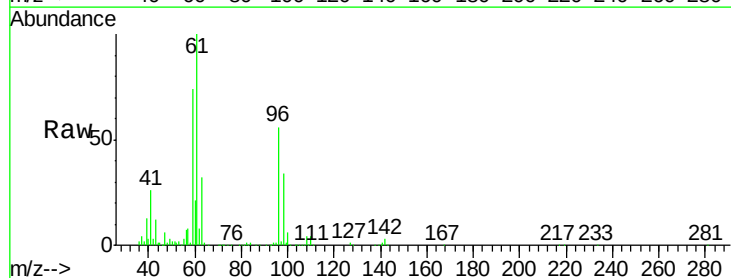
MMDadoda
6/9/2021 4:23:15 PM

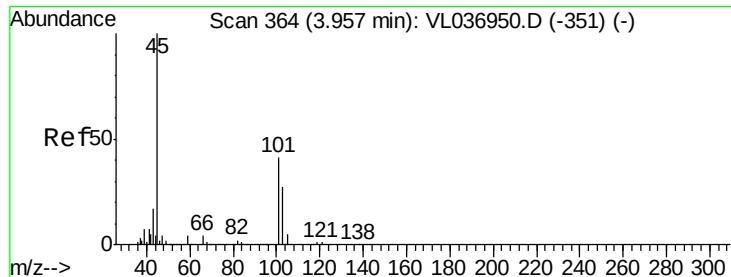


#18

1,1-Dichloroethene
Concen: 11.404 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL037128.D
Acq: 8 Jun 2021 11:41

Tgt Ion: 96 Resp: 832455
Ion Ratio Lower Upper
96 100
61 180.0 148.2 222.4
98 61.9 47.8 71.6





#19

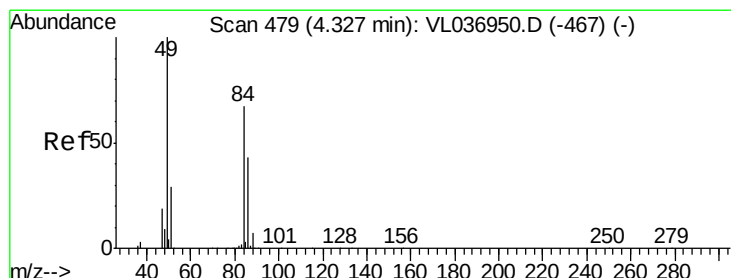
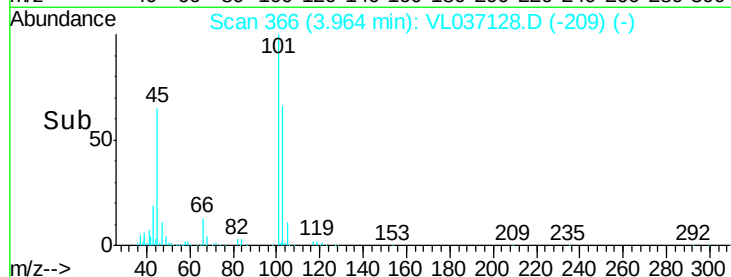
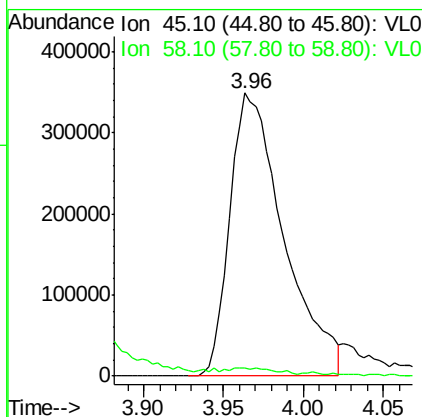
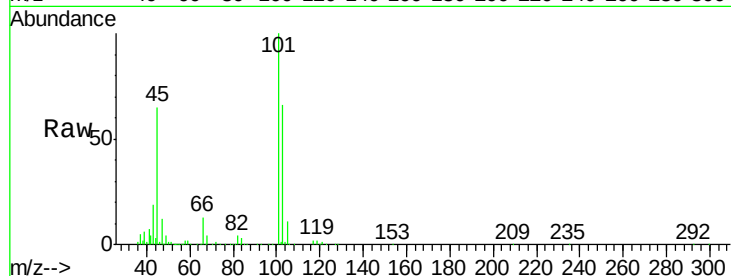
Isopropyl Alcohol
 Concen: 10.371 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.6	37.2	55.8#

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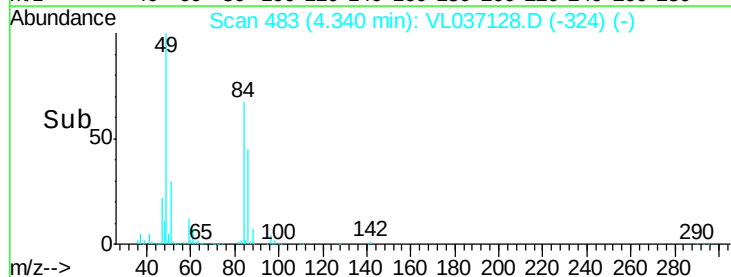
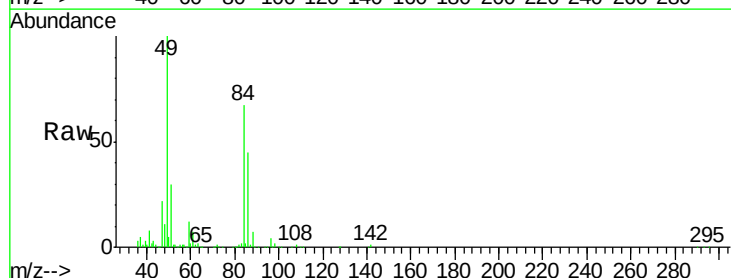
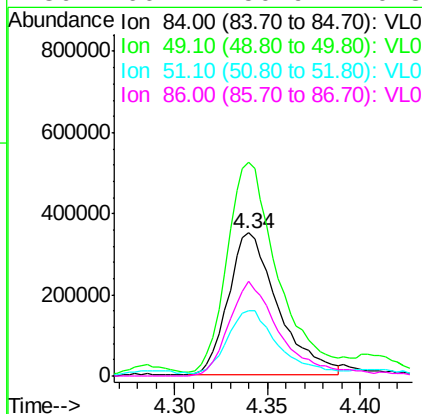
MMDadoda
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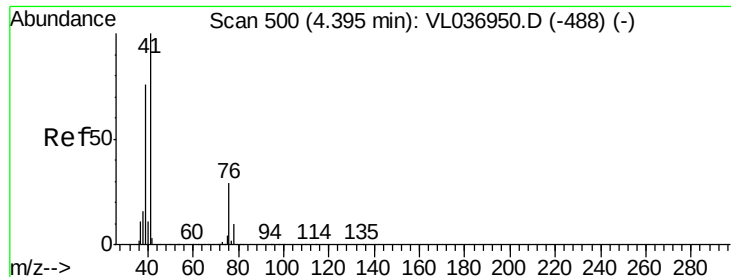


#20

Methylene Chloride
 Concen: 8.484 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. 0.01 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.3	119.8	179.6
51	43.5	35.1	52.7
86	66.4	50.9	76.3





#21

Allvl Chloride

Concen: 11.203 ppbv

RT: 4.41 min Scan# 504

Delta R.T. 0.01 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

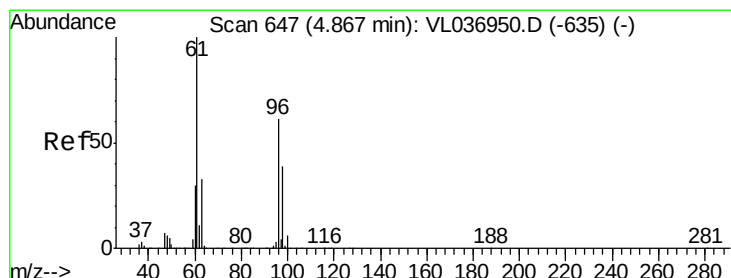
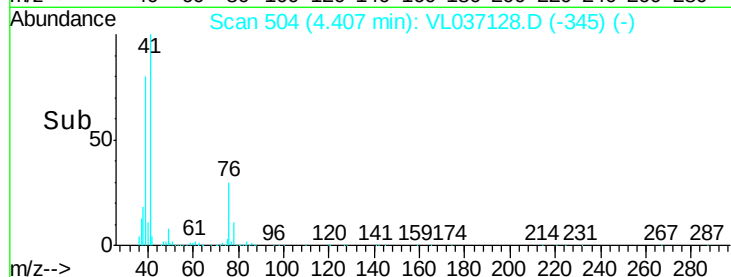
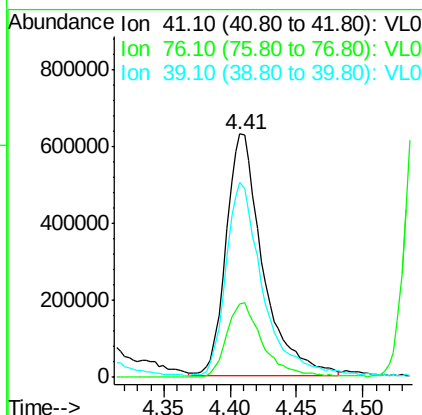
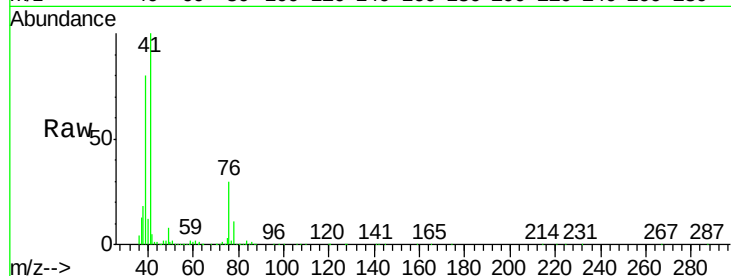
ClientSampleId :

VL0608ABS01

Tot Ion:	41	Resp:	1221732
Ion	Ratio	Lower	Upper
41	100		
76	30.8	24.9	37.3
39	80.1	63.7	95.5

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 12.324 ppbv

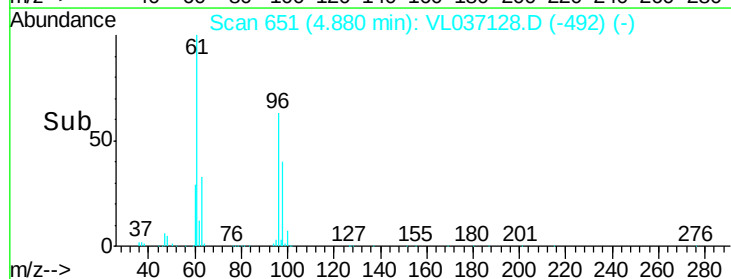
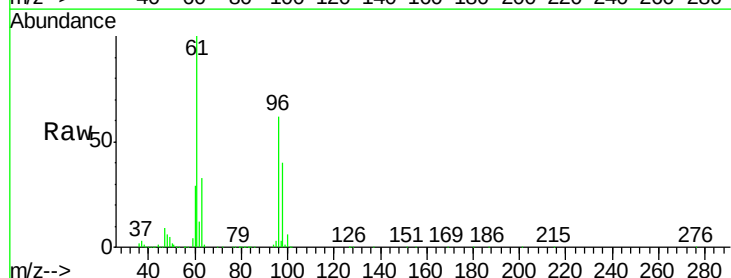
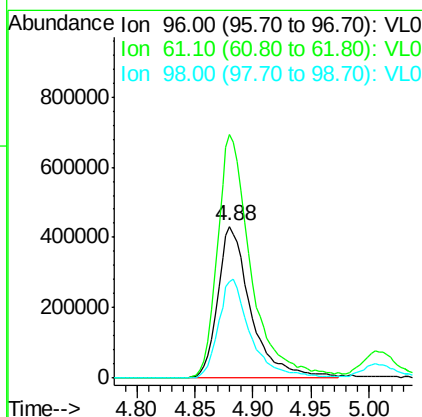
RT: 4.88 min Scan# 651

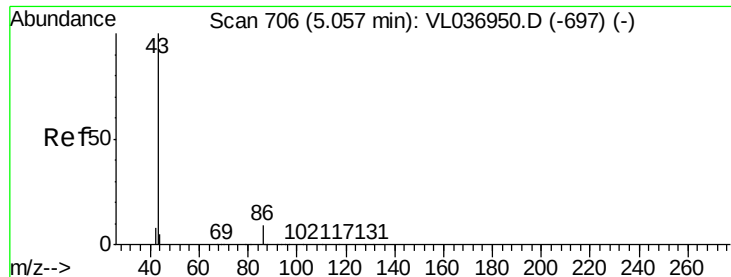
Delta R.T. 0.01 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Tgt Ion:	96	Resp:	862126
Ion	Ratio	Lower	Upper
96	100		
61	159.9	130.6	196.0
98	63.3	50.8	76.2





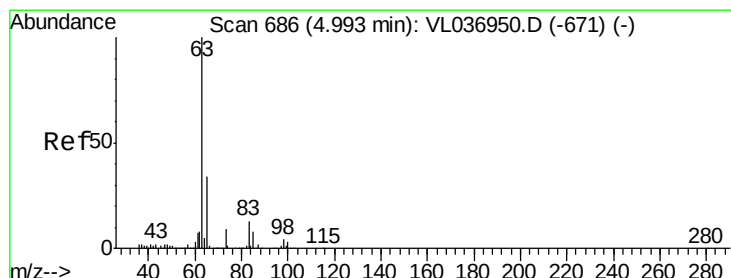
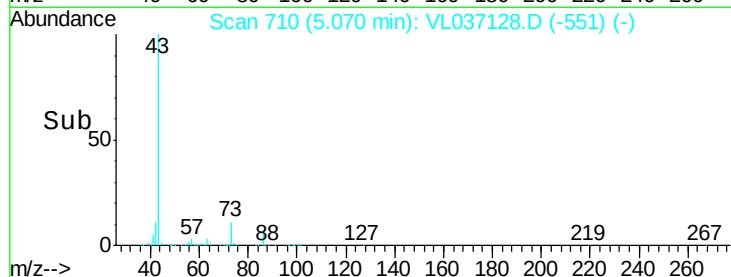
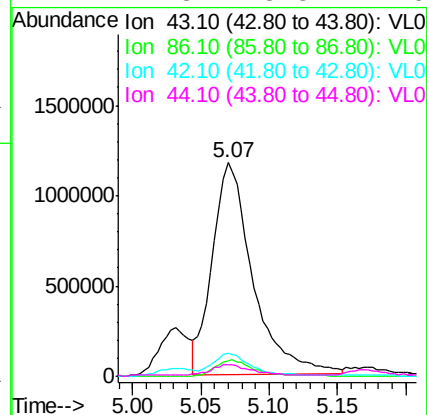
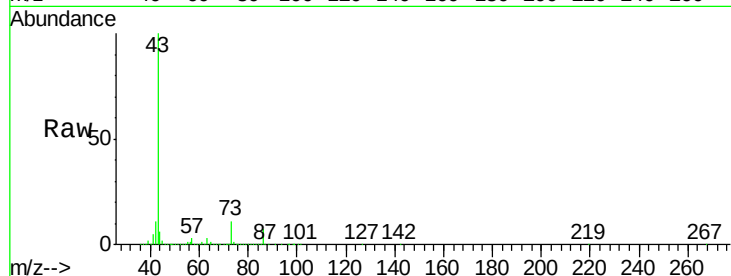
#23
 Vinyl Acetate
 Concen: 10.677 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. 0.01 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS01

Tot Ion	43	Resp	2449805
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.8	8.8
42	10.7	7.4	11.2
44	4.8	3.3	4.9

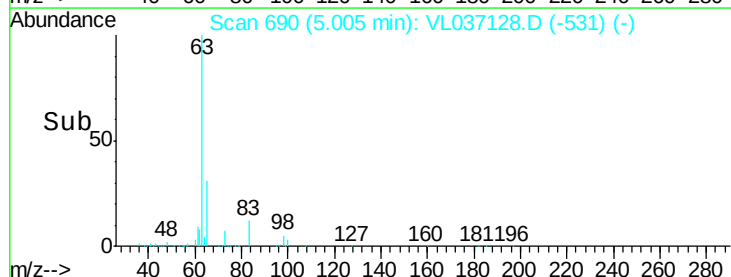
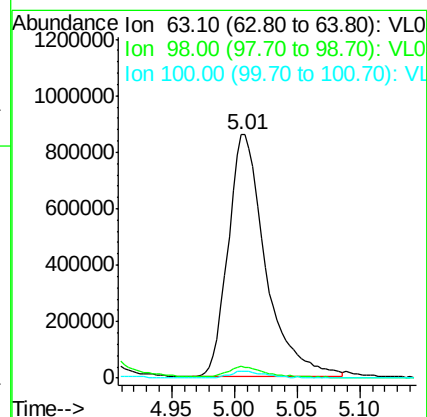
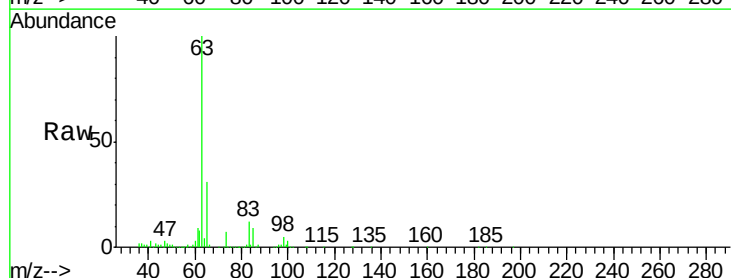
Manual Integrations
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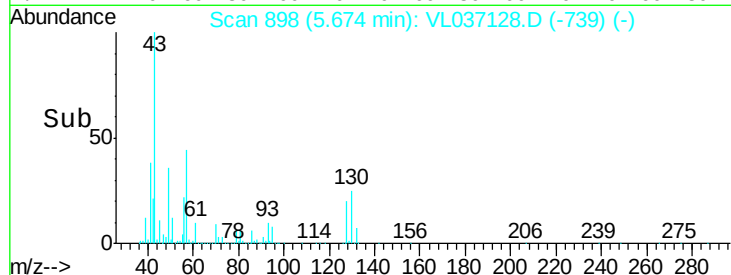
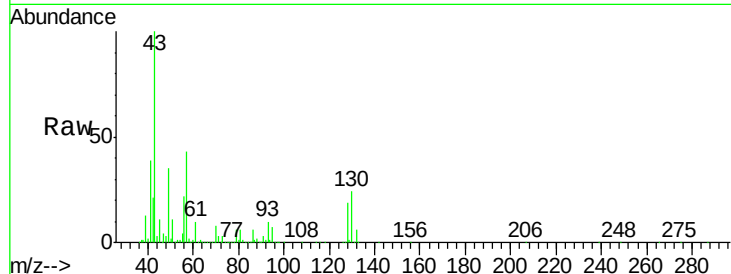
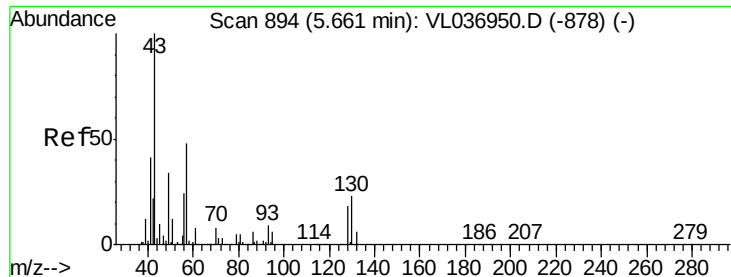
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#24
 1,1-Dichloroethane
 Concen: 10.788 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Tgt Ion	63	Resp	1781746
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.9
100	2.9	1.4	4.0





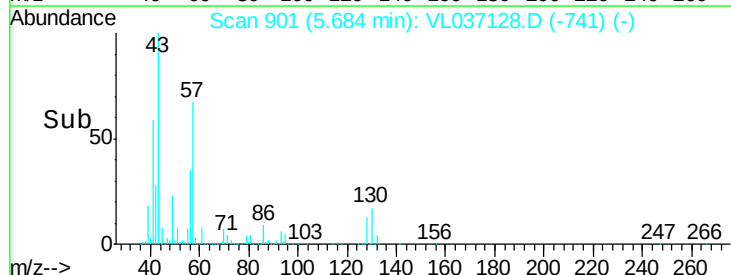
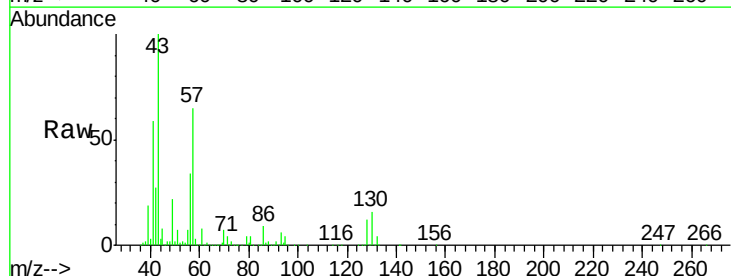
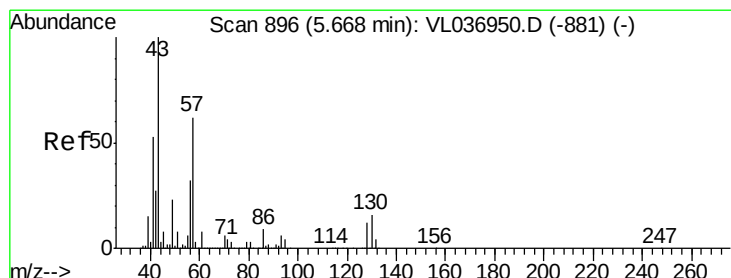
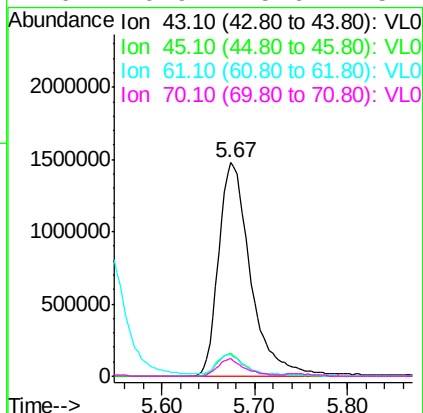
#25
Ethyl Acetate
Concen: 10.142 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037128.D
Acq: 8 Jun 2021 11:41

Tot Ion	43	Resp	3522948
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	9.9	7.8	11.8
70	6.9	5.6	8.4

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS01

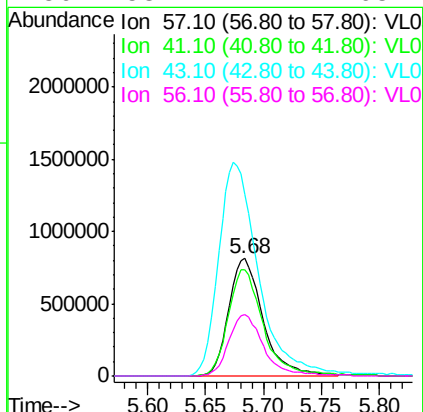
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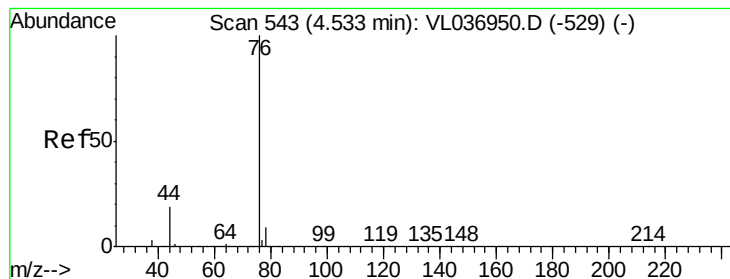
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6/9/2021 4:23:15 PM



#26
Hexane
Concen: 9.462 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL037128.D
Acq: 8 Jun 2021 11:41

Tgt Ion	57	Resp	1679083
Ion	Ratio	Lower	Upper
57	100		
41	92.7	70.5	105.7
43	212.5	165.8	248.8
56	53.4	42.2	63.4





#27

Carbon Disulfide

Concen: 10.741 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.01 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS01

Tot Ion: 76 Resp: 1921142

Ion Ratio Lower Upper

76 100

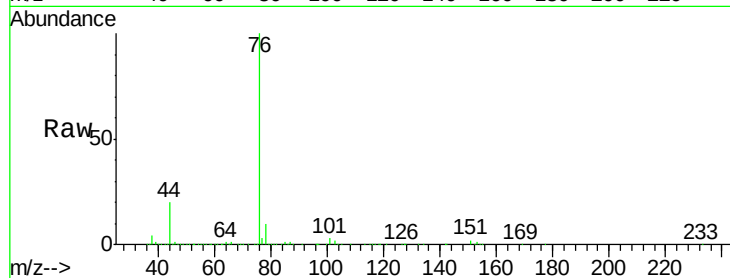
44 18.8 15.5 23.3

78 9.8 7.8 11.6

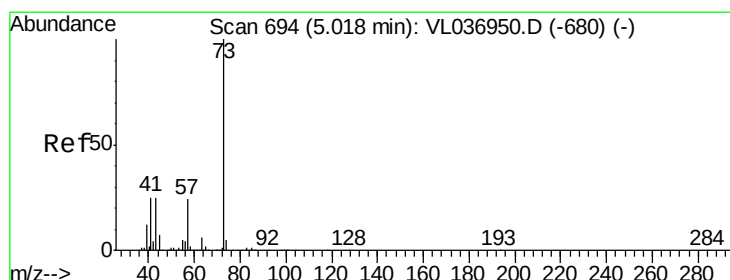
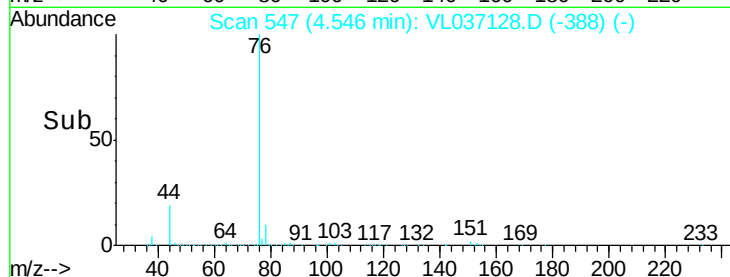
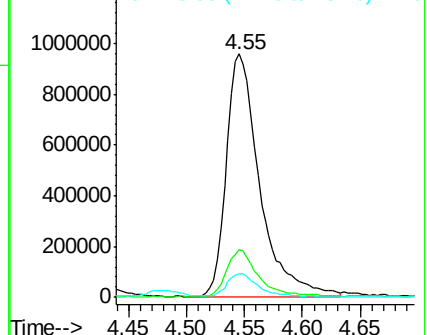
Manual Integrations
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.935 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL037128.D

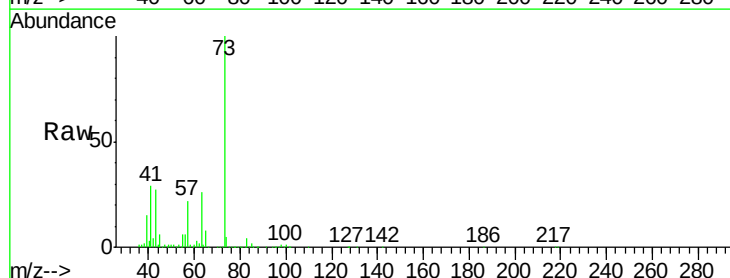
Acq: 8 Jun 2021 11:41

Tgt Ion: 73 Resp: 2113333

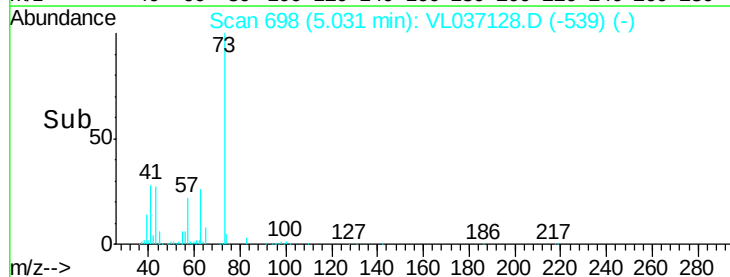
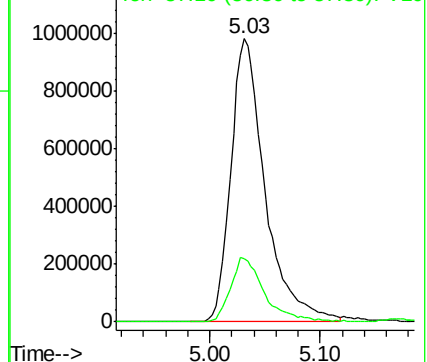
Ion Ratio Lower Upper

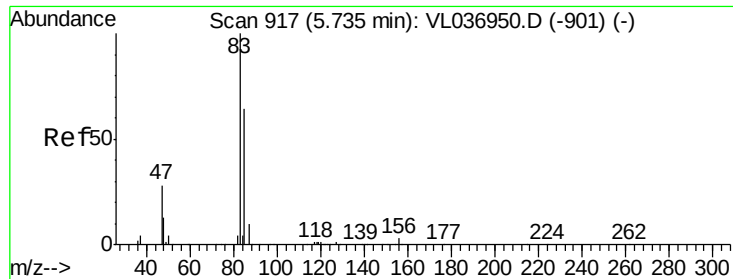
73 100

57 22.7 18.3 27.5



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





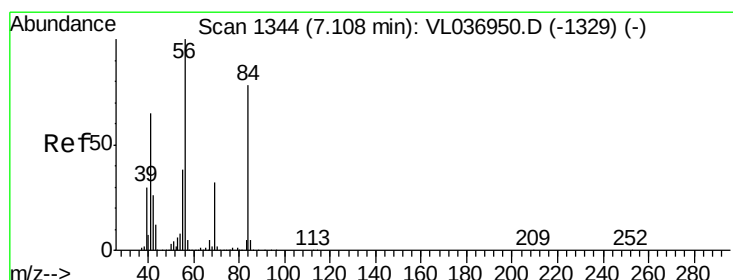
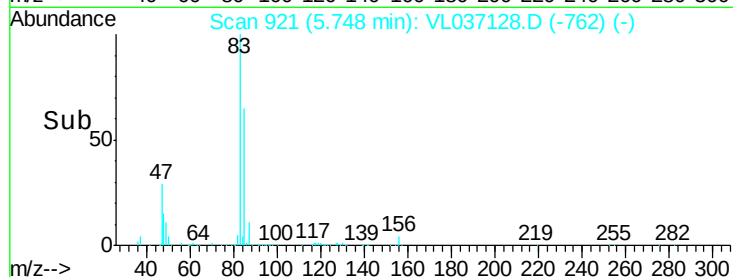
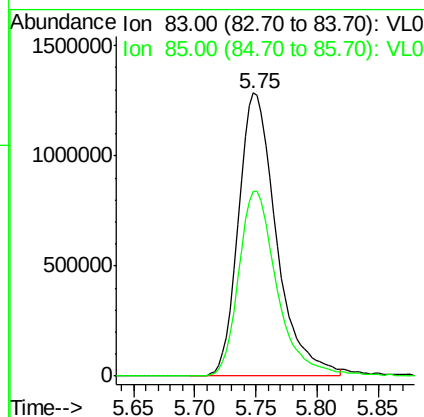
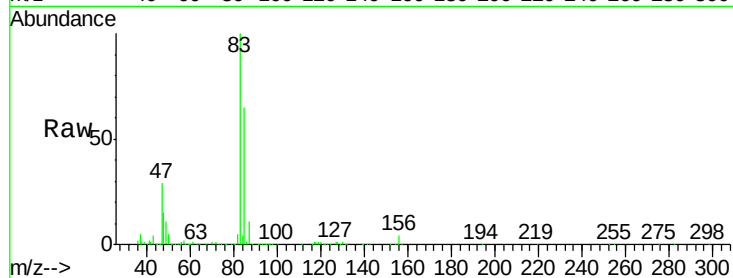
#29
Chloroform
Concen: 11.048 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.01 min
Lab File: VL037128.D
Acq: 8 Jun 2021 11:41

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS01

Tot Ion: 83 Resp: 2769794
Ion Ratio Lower Upper
83 100
85 65.2 51.1 76.7

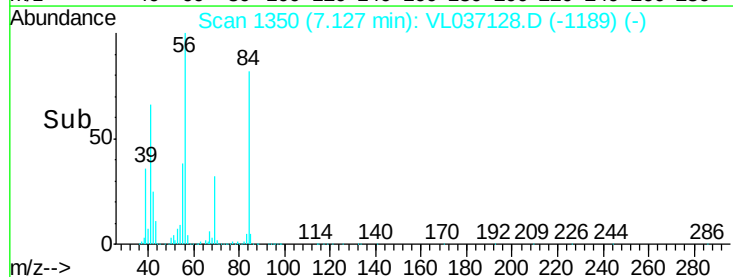
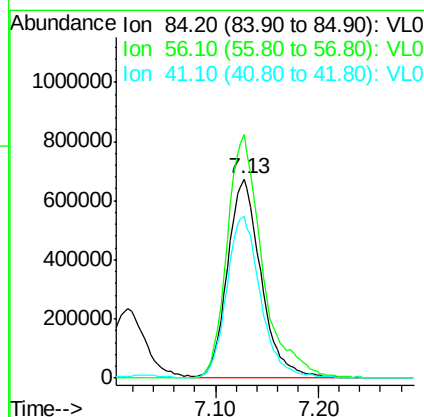
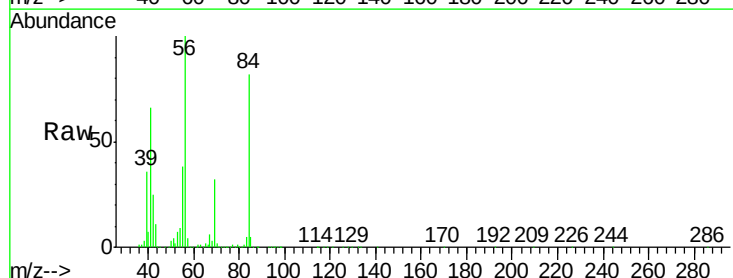
Manual Integrations
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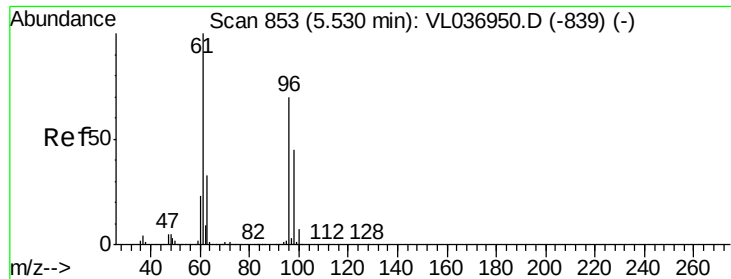
MMDadoda
6/9/2021 4:23:15 PM



#30
Cyclohexane
Concen: 10.089 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.02 min
Lab File: VL037128.D
Acq: 8 Jun 2021 11:41

Tgt Ion: 84 Resp: 1521538
Ion Ratio Lower Upper
84 100
56 129.2 107.9 161.9
41 82.5 65.5 98.3





#31

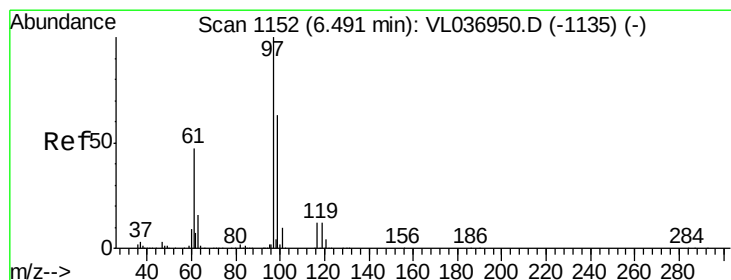
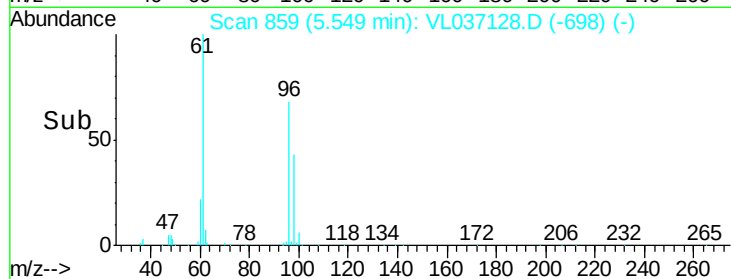
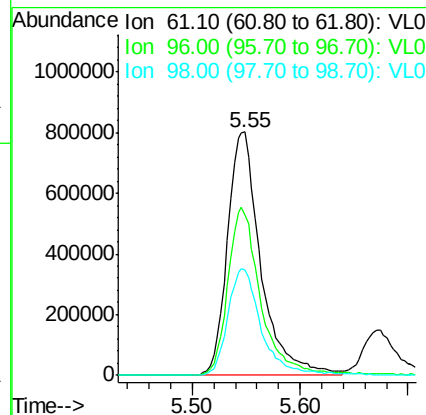
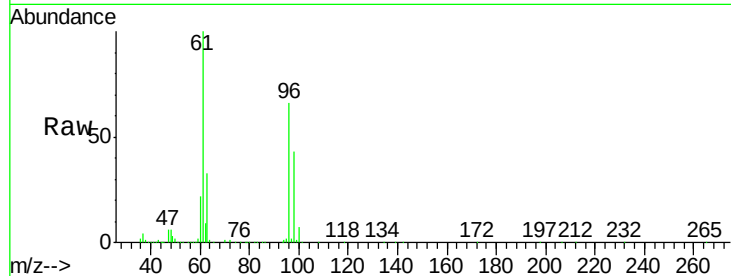
cis-1,2-Dichloroethene
 Concen: 10.796 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.0	55.9	83.9
98	43.4	35.6	53.4

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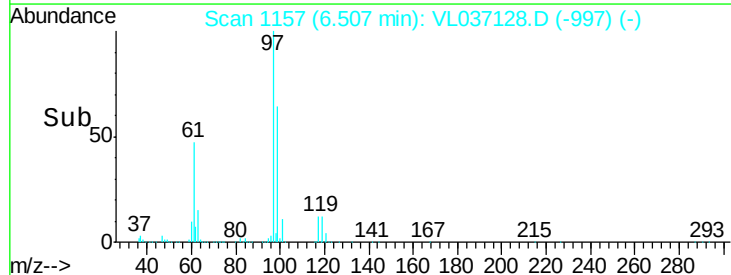
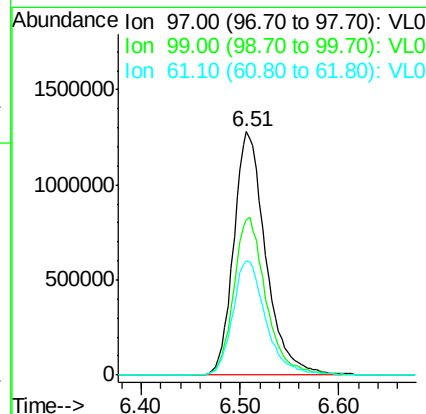
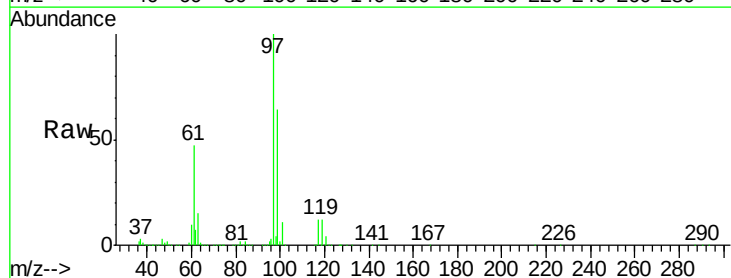
MMDadoda
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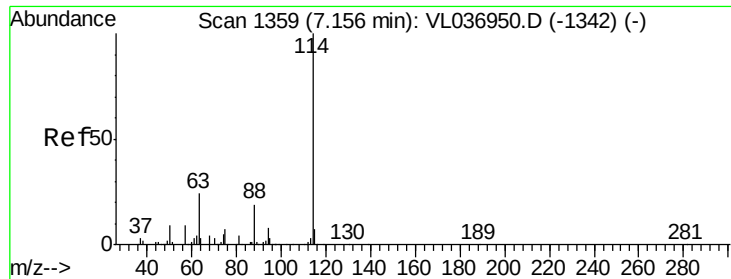


#32

1,1,1-Trichloroethane
 Concen: 10.766 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.9	77.9
61	48.3	37.6	56.4





#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

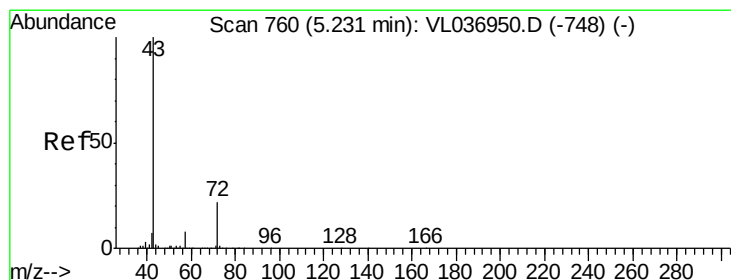
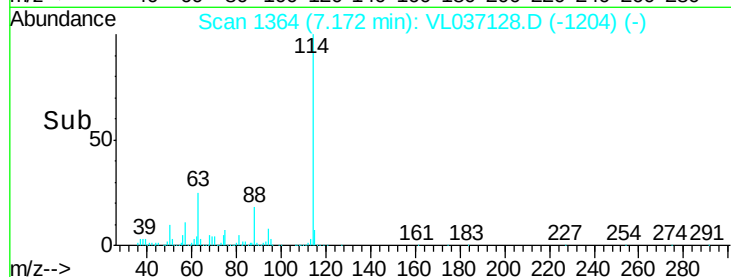
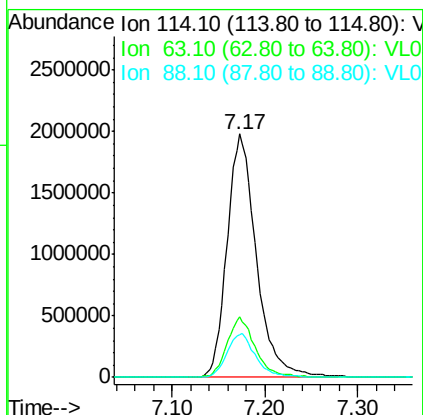
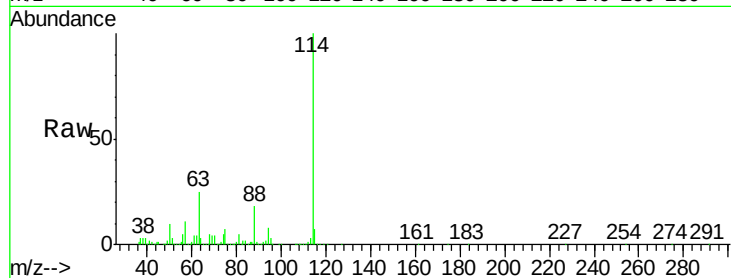
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS01

Tot Ion:114 Resp: 4333934

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.6	29.4
88	17.7	14.6	21.8

Manual Integrations
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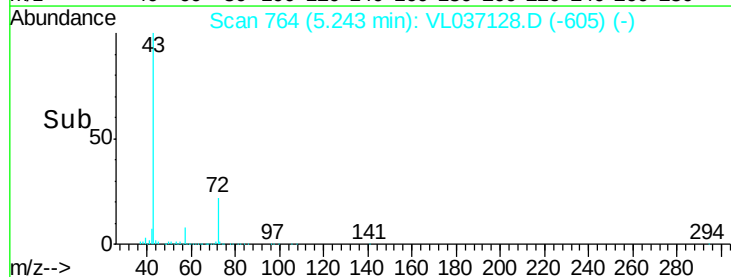
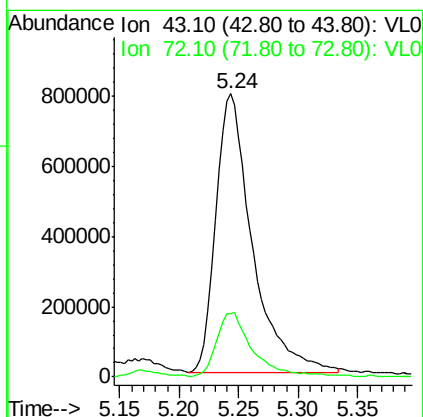
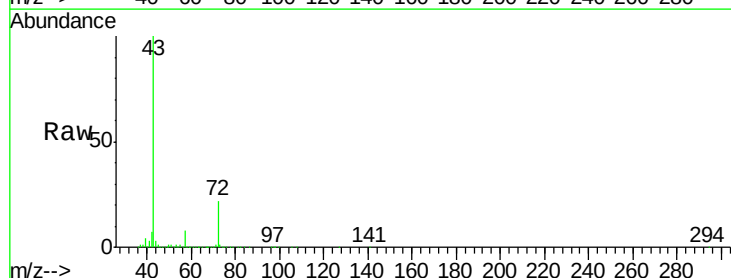
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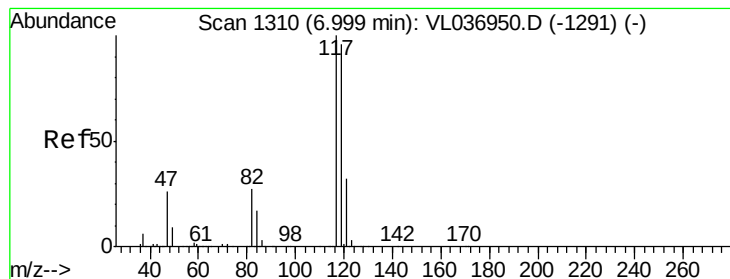


#34
 2-Butanone
 Concen: 10.696 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Tgt Ion: 43 Resp: 1687978

Ion	Ratio	Lower	Upper
43	100		
72	22.9	19.0	28.4





#35

Carbon Tetrachloride

Concen: 10.802 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS01

Tot Ion:117 Resp: 3110687

Ion Ratio Lower Upper

117 100

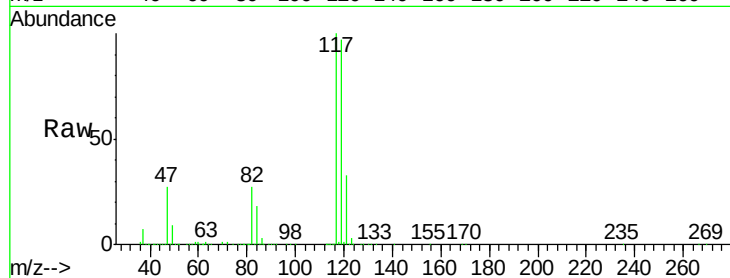
119 97.2 76.6 114.8

121 32.5 25.8 38.6

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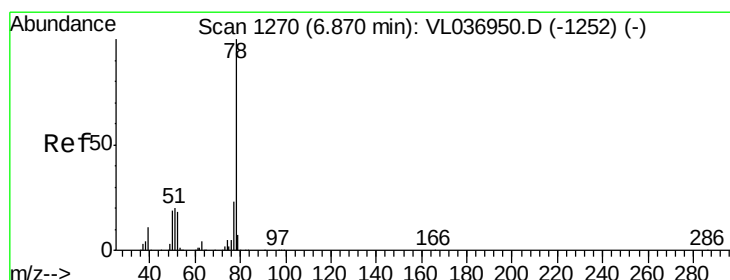
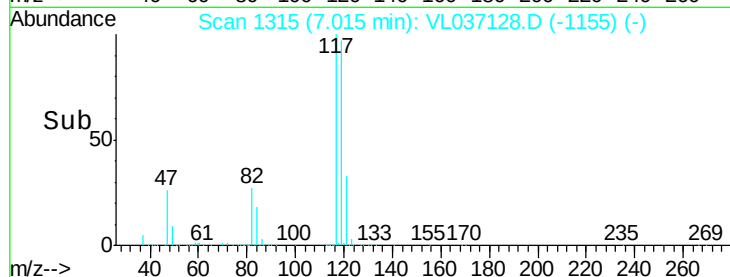
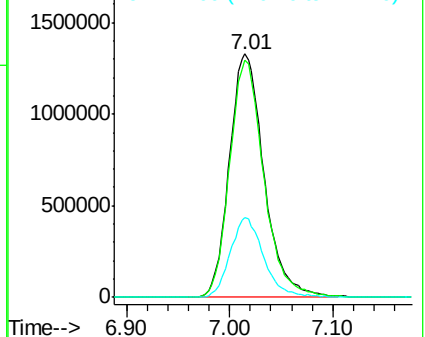
6/9/2021 4:23:15 PM



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: 9.475 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

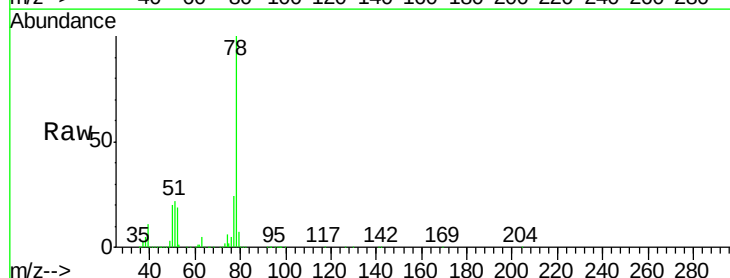
Tgt Ion: 78 Resp: 3537026

Ion Ratio Lower Upper

78 100

77 24.3 18.6 28.0

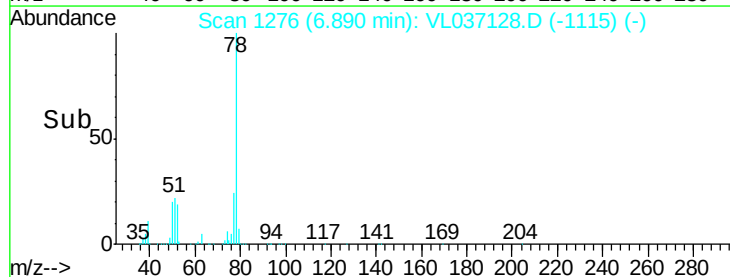
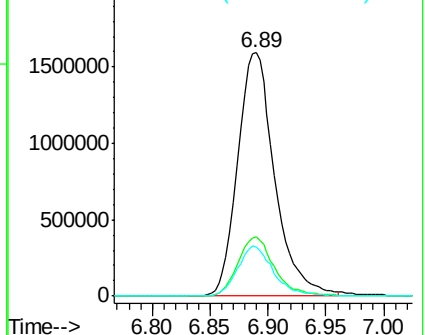
50 20.3 15.0 22.4

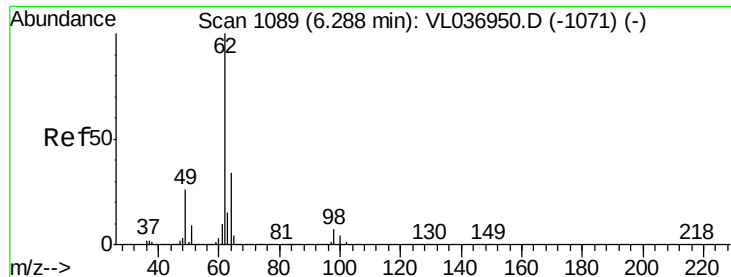


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





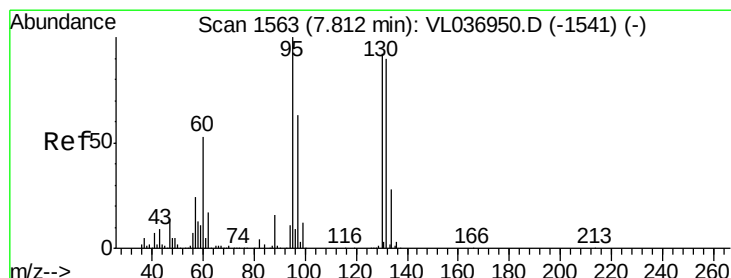
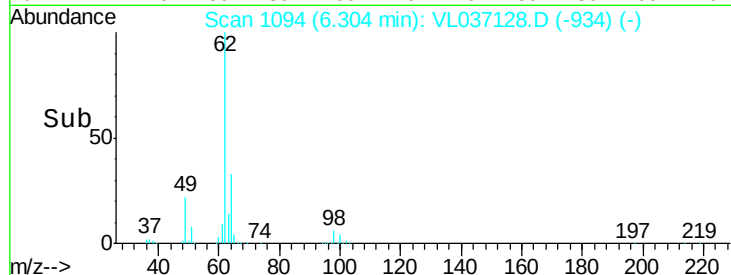
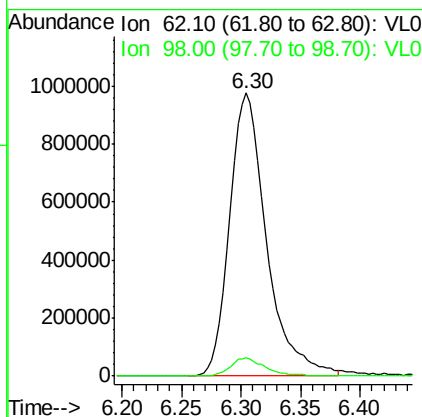
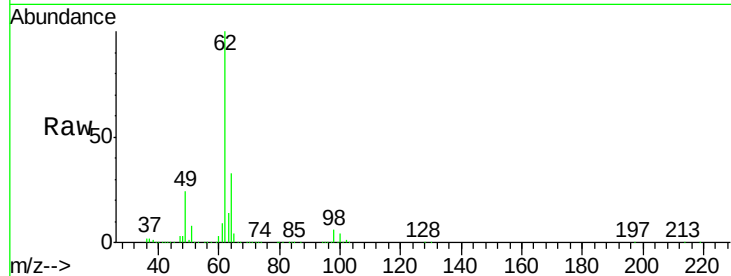
#37
 1,2-Dichloroethane
 Concen: 11.362 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS01

Tot Ion: 62 Resp: 2102909
 Ion Ratio Lower Upper
 62 100
 98 6.3 5.5 8.3

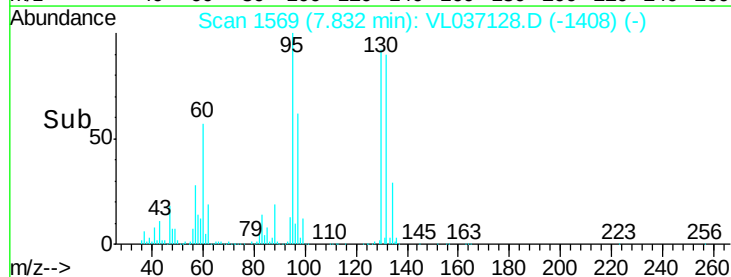
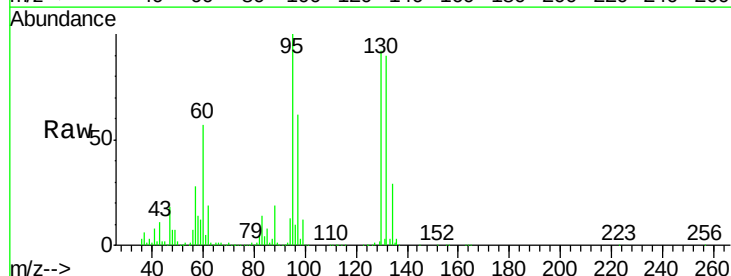
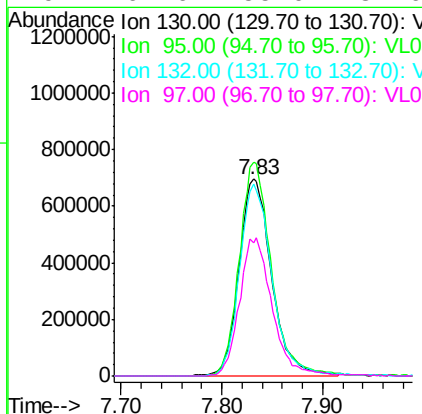
Manual Integrations
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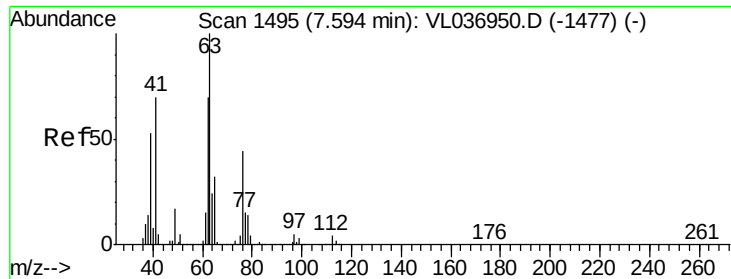
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#38
 Trichloroethene
 Concen: 9.707 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Tgt Ion:130 Resp: 1550092
 Ion Ratio Lower Upper
 130 100
 95 108.6 86.9 130.3
 132 97.5 78.4 117.6
 97 67.6 55.0 82.6





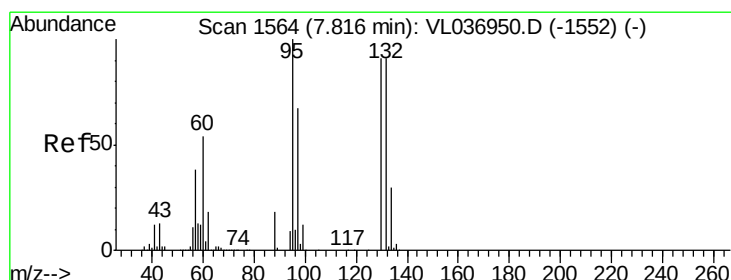
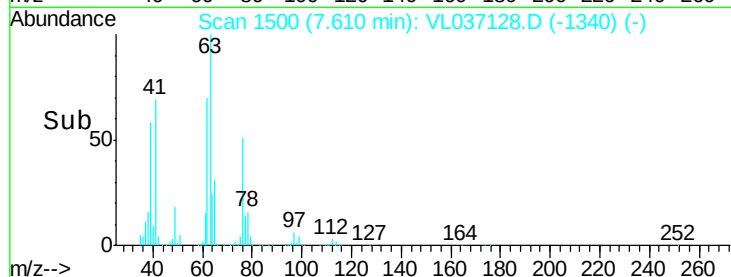
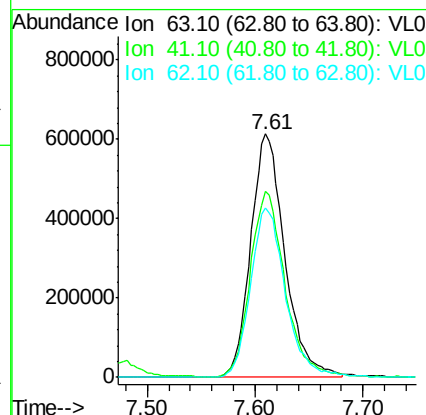
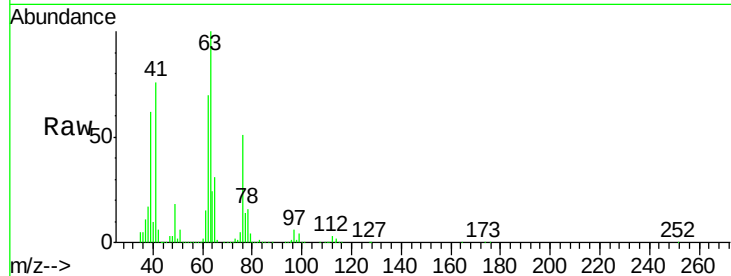
#39
 1,2-Dichloropropane
 Concen: 9.356 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	75.8	55.7	83.5
62	69.7	56.2	84.4

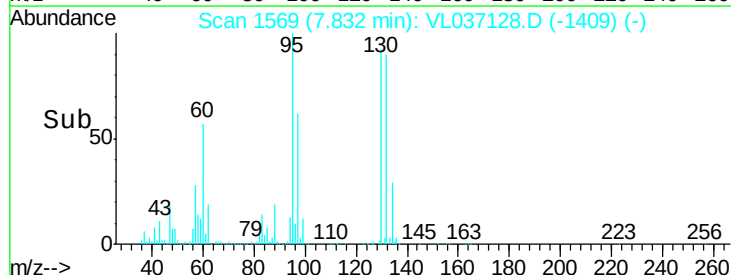
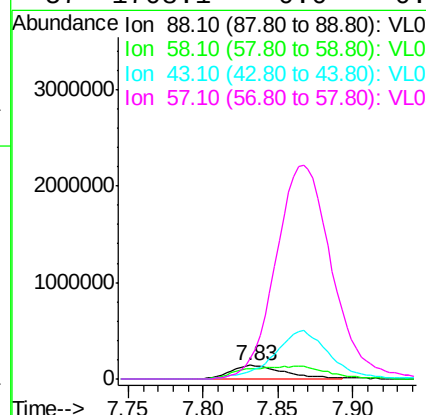
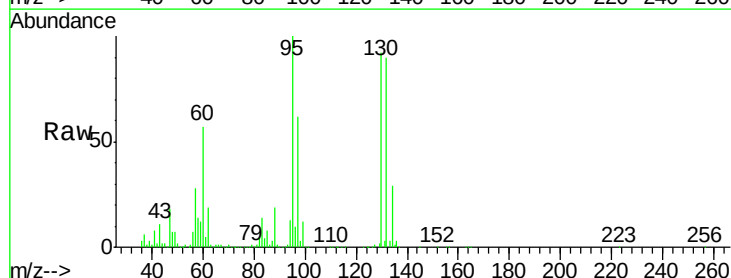
Manual Integrations
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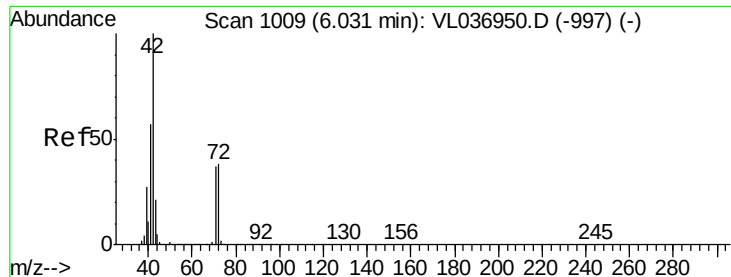
MMDadoda
 6/9/2021 4:23:15 PM



#40
 1,4-Dioxane
 Concen: 10.035 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Tgt Ion	Ratio	Lower	Upper
88	100		
58	155.8	0.0	0.0#
43	382.4	0.0	0.0#
57	1708.1	0.0	0.0#





#41

Tetrahydrofuran

Concen: 9.188 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

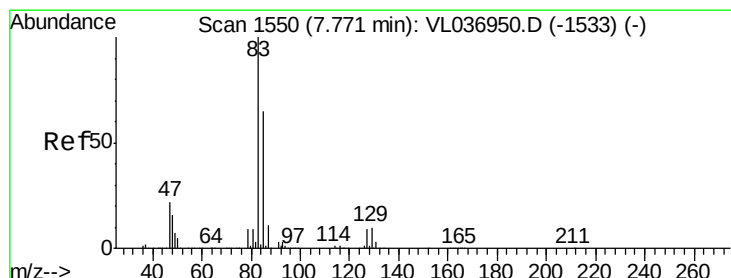
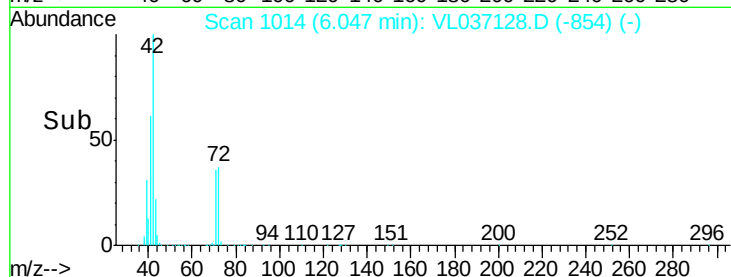
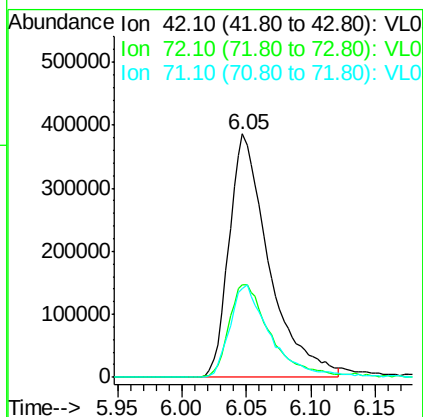
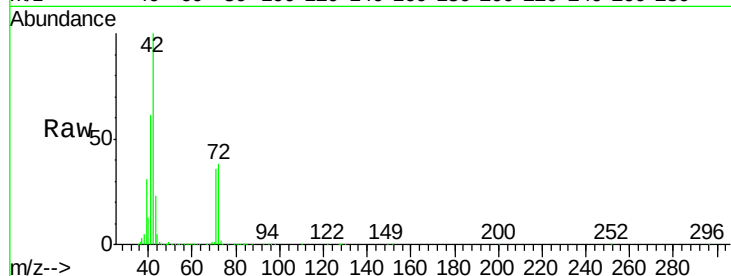
ClientSampleId :

VL0608ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	31.4	47.2
71	39.5	30.4	45.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 11.017 ppbv

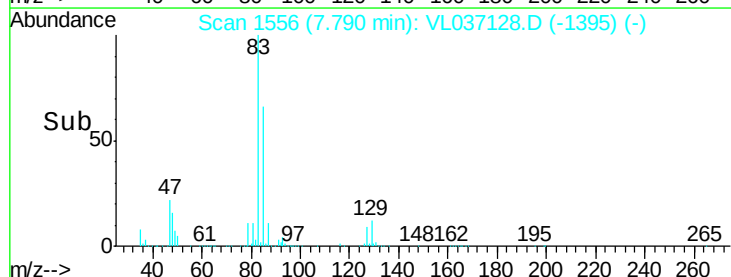
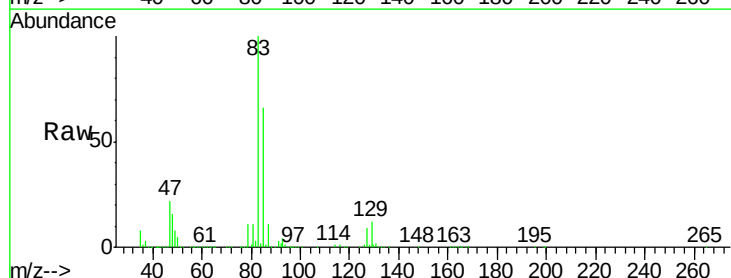
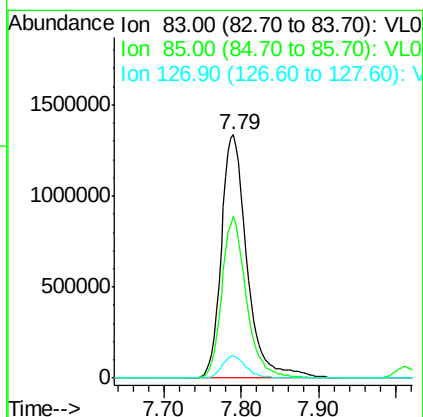
RT: 7.79 min Scan# 1556

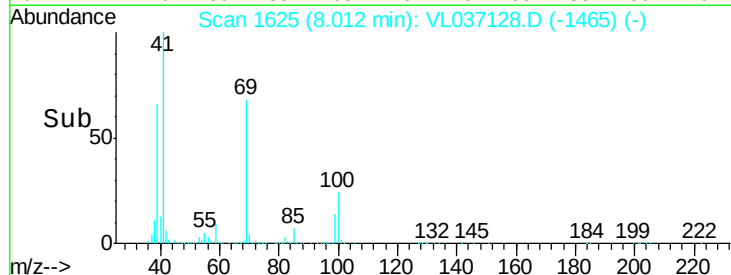
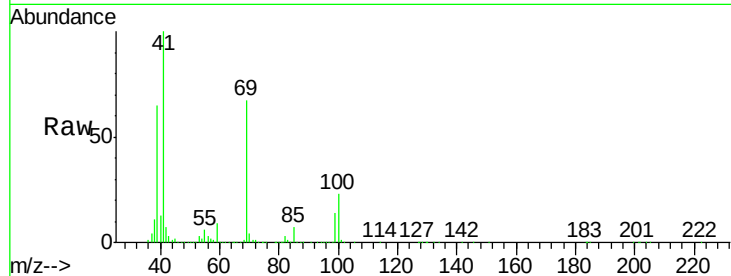
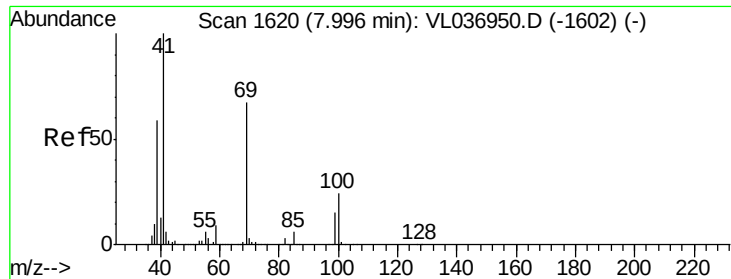
Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.7	77.5
127	9.1	6.9	10.3





#43

Methyl Methacrylate

Concen: 10.261 ppbv

RT: 8.01 min Scan# 1625

Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Tot Ion: 69 Resp: 1320258

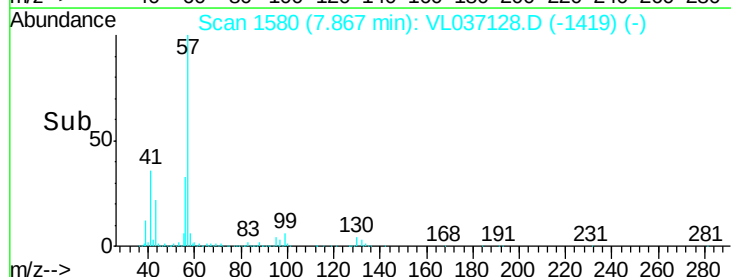
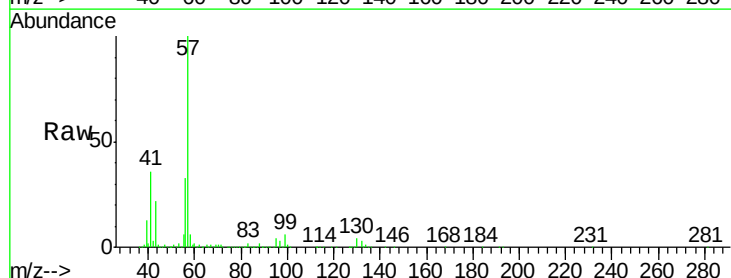
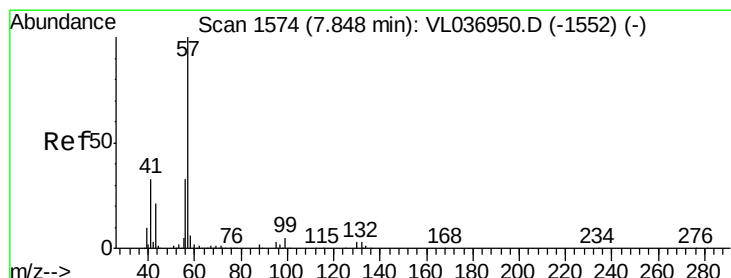
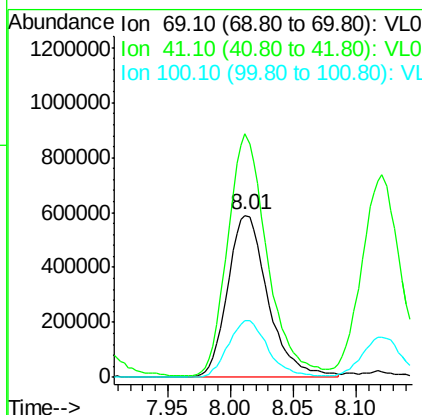
Ion	Ratio	Lower	Upper
69	100		
41	147.2	118.6	178.0
100	34.9	28.2	42.4

Instrument :
MSVOA_L

ClientSampleId :
VL0608ABS01

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 9.057 ppbv

RT: 7.87 min Scan# 1580

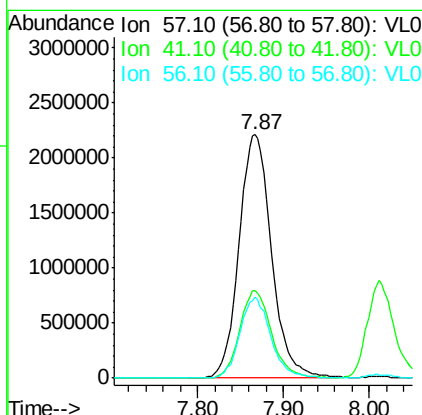
Delta R.T. 0.02 min

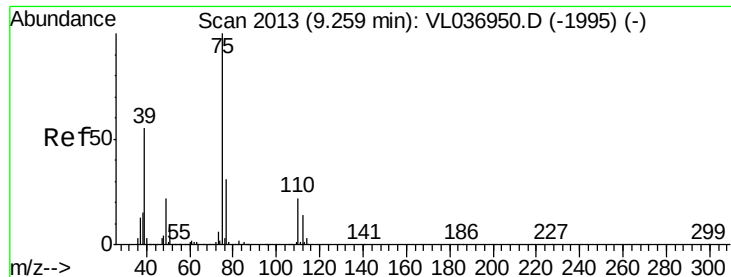
Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Tgt Ion: 57 Resp: 5800495

Ion	Ratio	Lower	Upper
57	100		
41	35.3	27.0	40.4
56	31.7	25.4	38.2





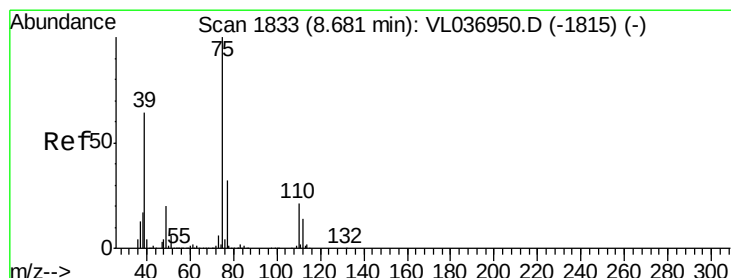
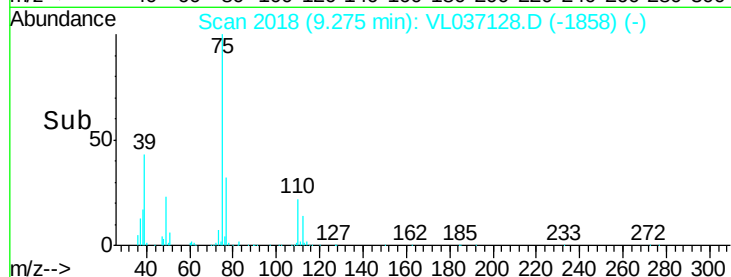
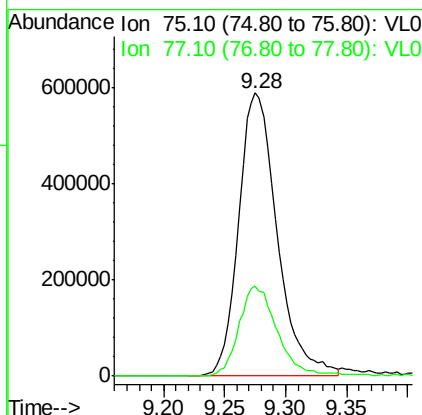
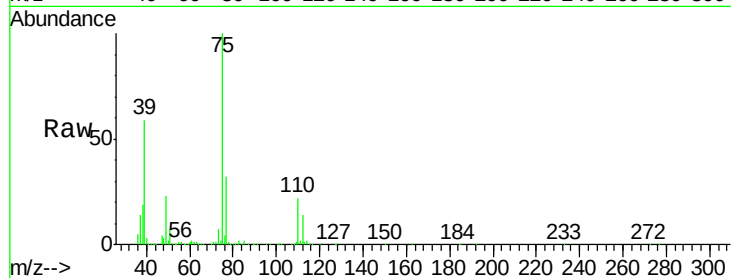
#45
 t-1,3-Dichloropropene
 Concen: 13.049 ppbv
 RT: 9.28 min Scan# 2018
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS01

Tot Ion: 75 Resp: 1282711
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.4 36.6

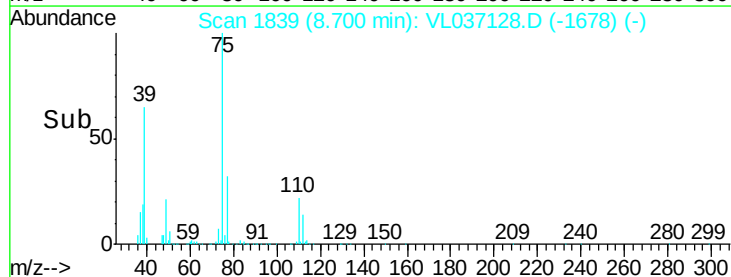
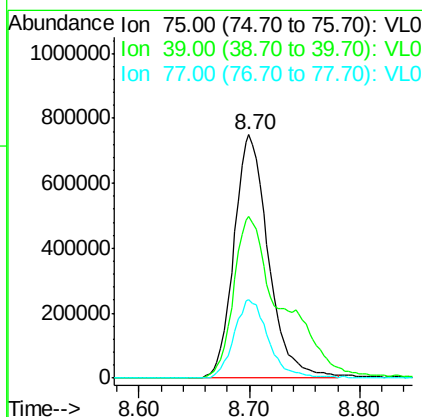
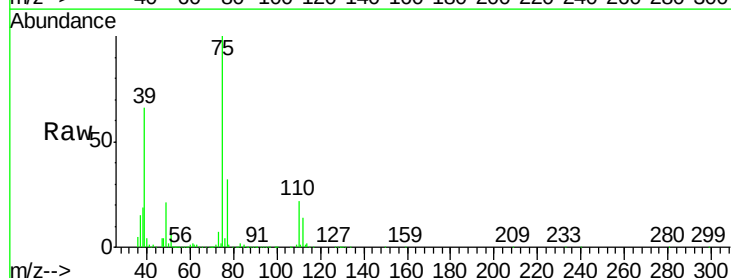
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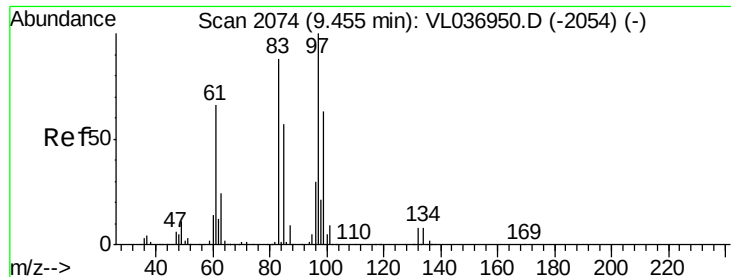
MMDadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 12.230 ppbv
 RT: 8.70 min Scan# 1839
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Tgt Ion: 75 Resp: 1617074
 Ion Ratio Lower Upper
 75 100
 39 66.1 51.5 77.3
 77 32.3 25.9 38.9





#47
 1,1,2-Trichloroethane
 Concen: 10.333 ppbv
 RT: 9.47 min Scan# 2079
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

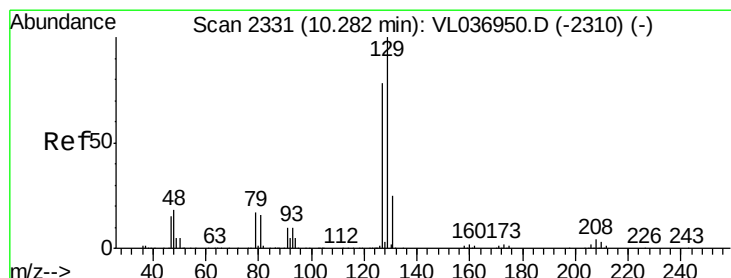
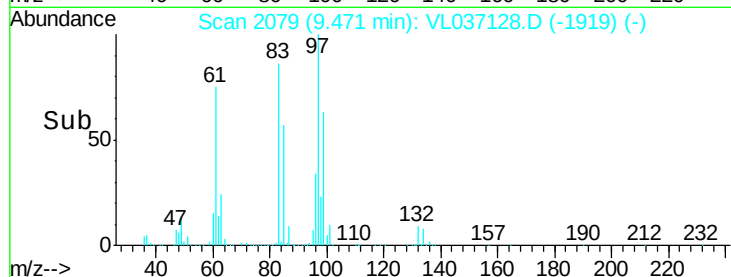
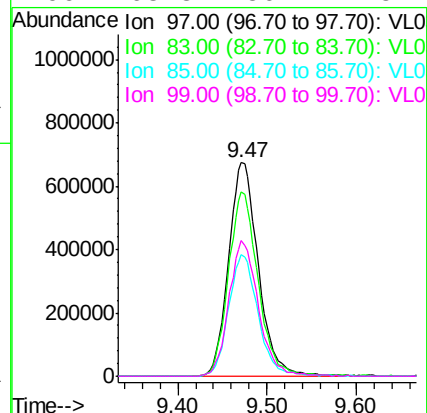
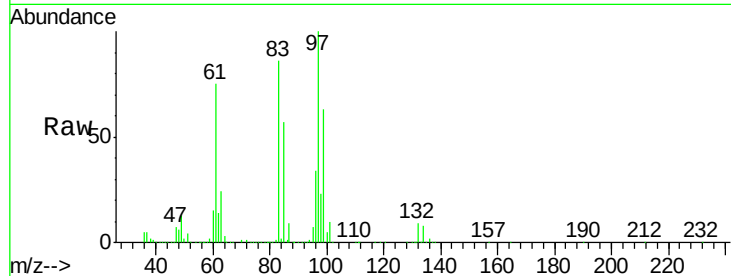
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS01

Tot Ion: 97 Resp: 1555238

Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.4	105.6
85	56.7	45.5	68.3
99	63.3	50.2	75.2

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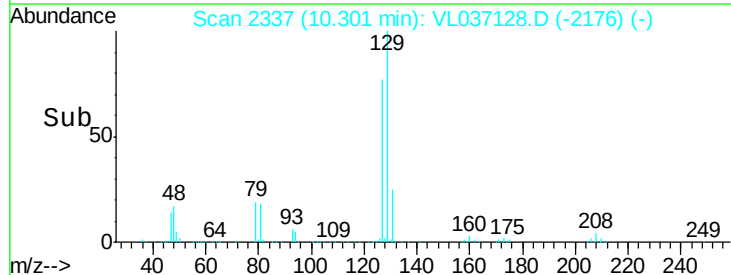
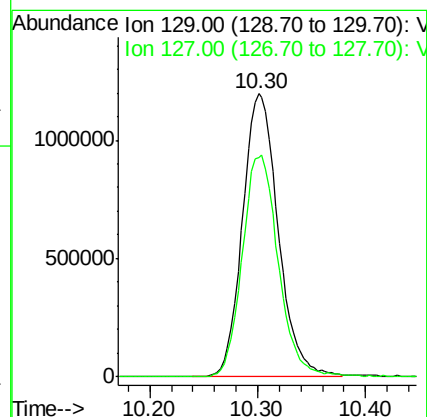
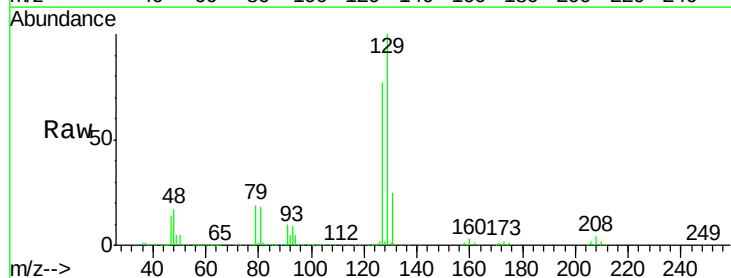
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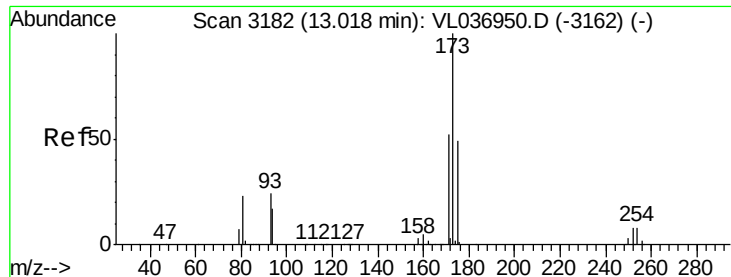


#48
 Dibromochloromethane
 Concen: 11.314 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Tgt Ion: 129 Resp: 2757315

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.3	117.8





#49

Bromoform

Concen: 11.464 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS01

Tot Ion:173 Resp: 2307292

Ion Ratio Lower Upper

173 100

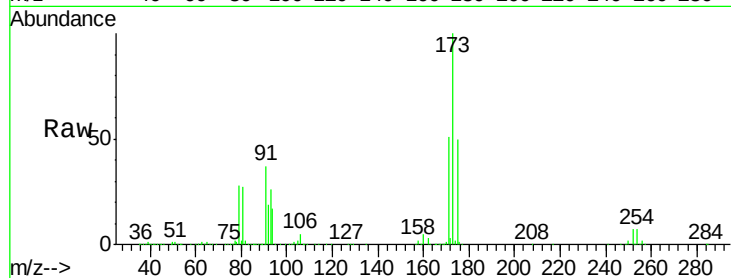
175 49.7 40.4 60.6

171 52.9 42.6 64.0

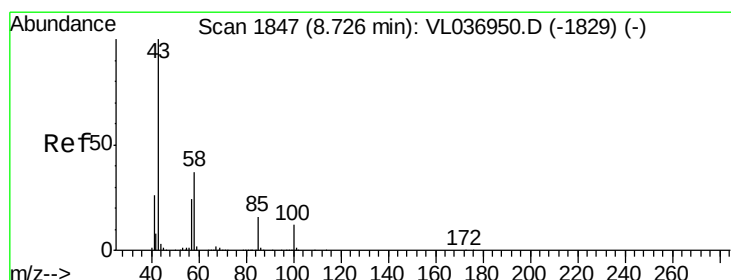
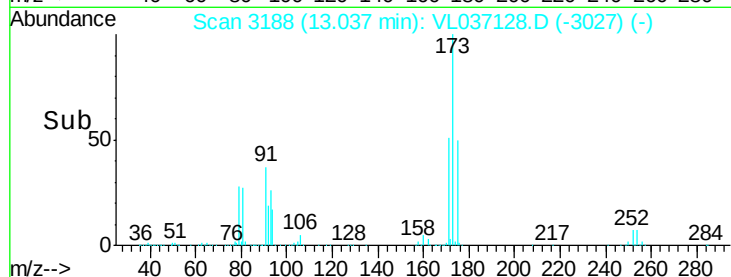
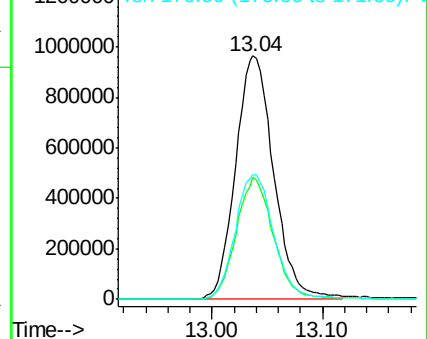
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.753 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. 0.02 min

Lab File: VL037128.D

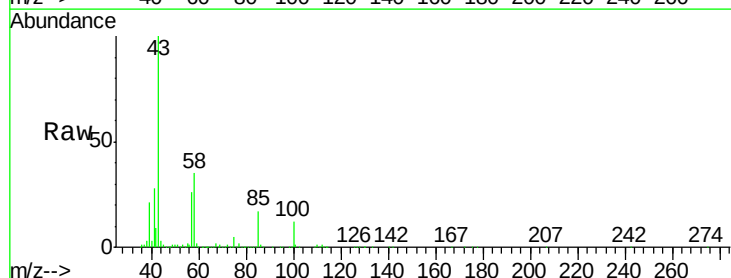
Acq: 8 Jun 2021 11:41

Tgt Ion: 43 Resp: 2539743

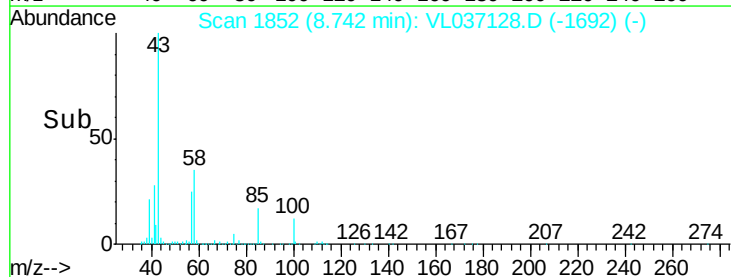
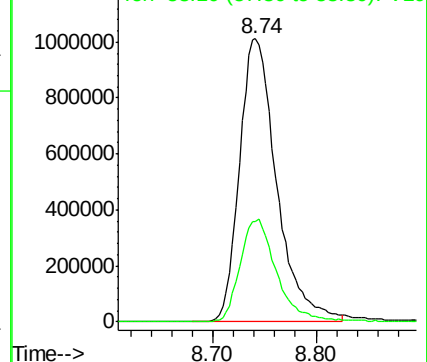
Ion Ratio Lower Upper

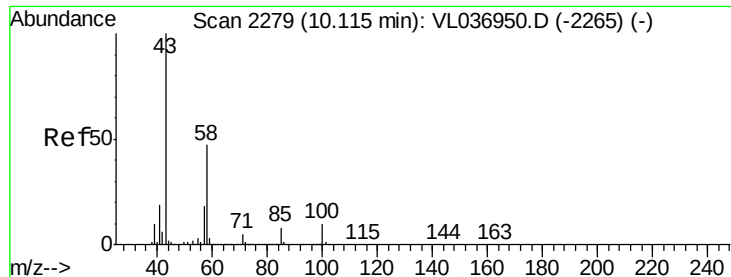
43 100

58 36.0 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: 9.773 ppbv

RT: 10.13 min Scan# 2285

Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS01

Tot Ion: 43 Resp: 1345418

Ion Ratio Lower Upper

43 100

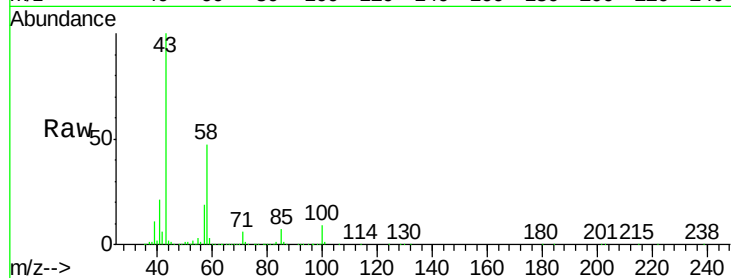
58 49.0 41.1 61.7

98 0.2 0.1 0.1#

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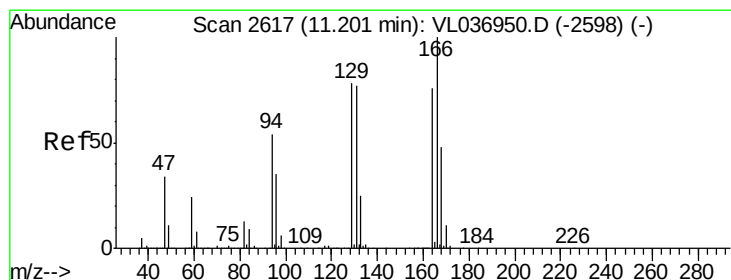
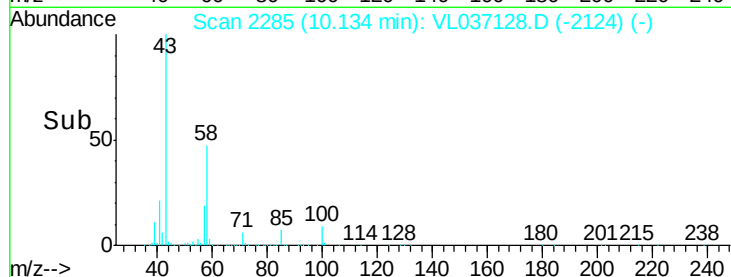
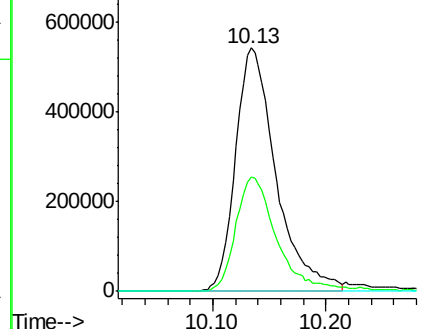
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.118 ppbv

RT: 11.22 min Scan# 2623

Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Tgt Ion:164 Resp: 1501910

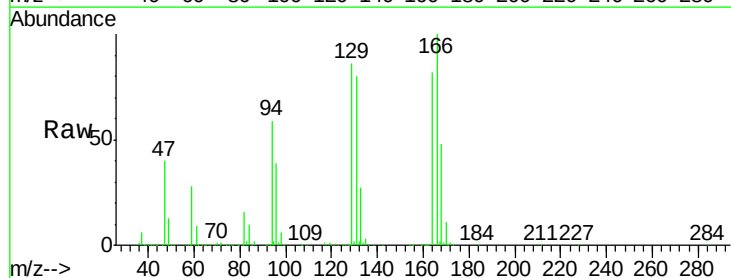
Ion Ratio Lower Upper

164 100

166 122.5 105.5 158.3

129 104.9 81.8 122.8

131 98.2 81.2 121.8

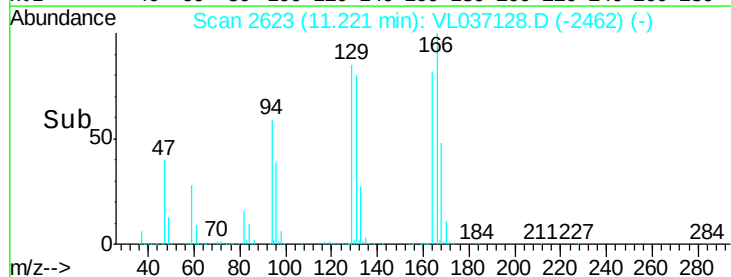
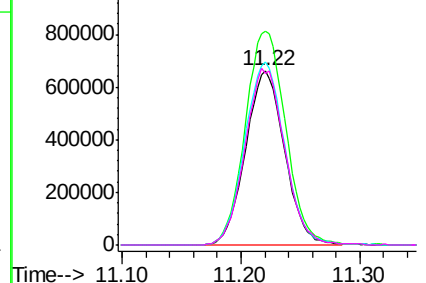


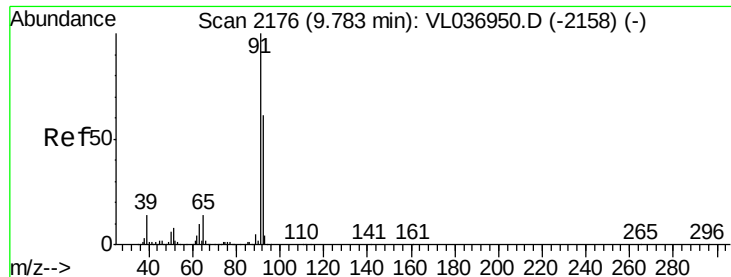
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.737 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS01

Tot Ion: 91 Resp: 4325166

Ion Ratio Lower Upper

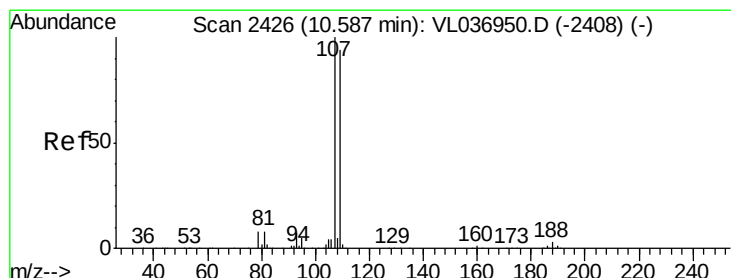
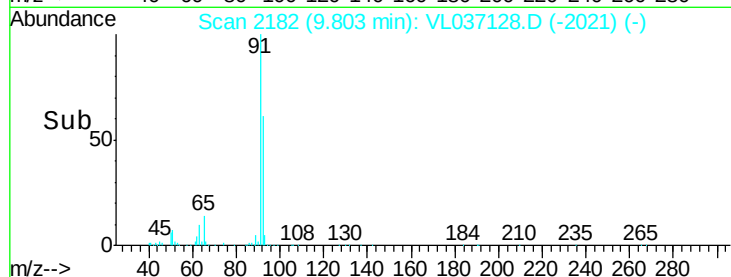
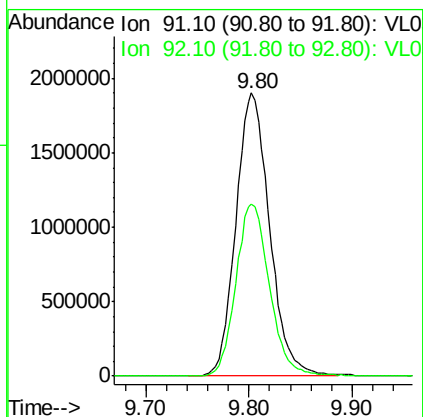
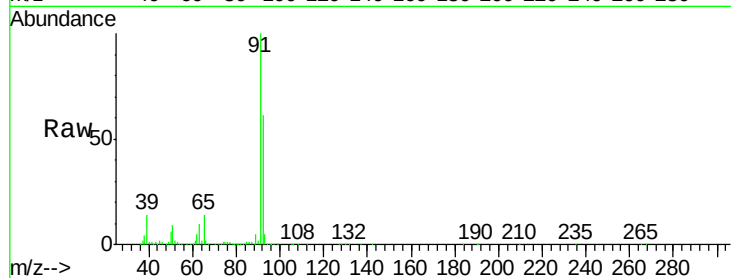
91 100

92 60.9 49.5 74.3

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#54

1,2-Dibromoethane

Concen: 10.894 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.02 min

Lab File: VL037128.D

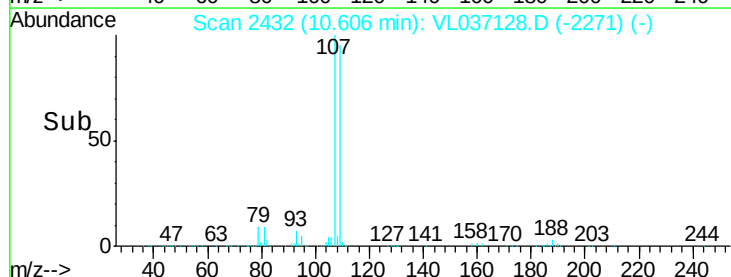
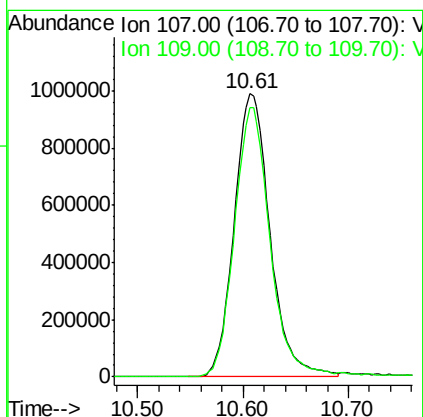
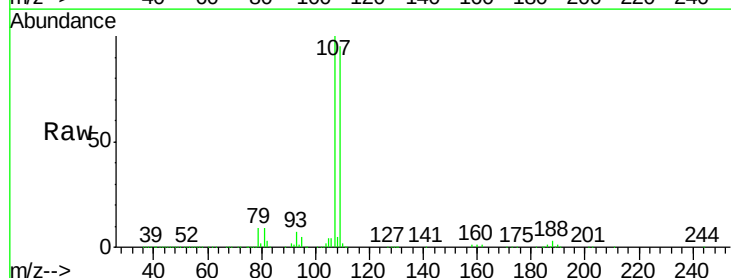
Acq: 8 Jun 2021 11:41

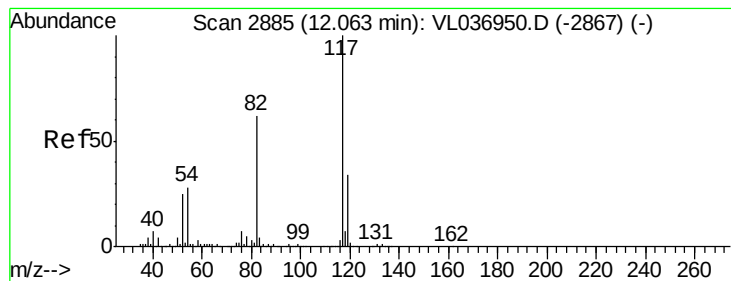
Tgt Ion: 107 Resp: 2331070

Ion Ratio Lower Upper

107 100

109 94.9 75.0 112.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.08 min Scan# 2891

Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS01

Tot Ion:117 Resp: 4189161

Ion Ratio Lower Upper

117 100

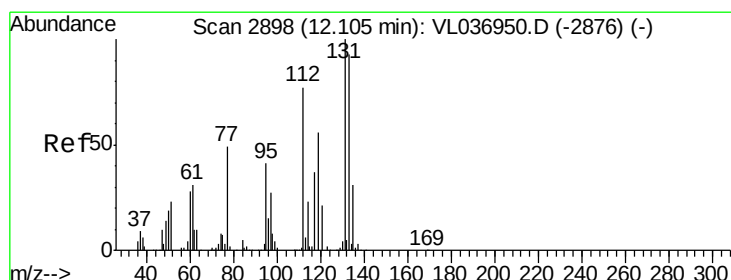
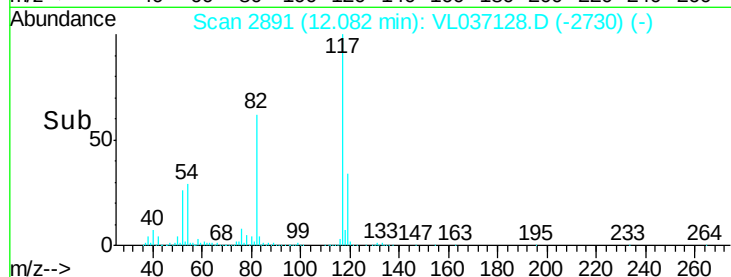
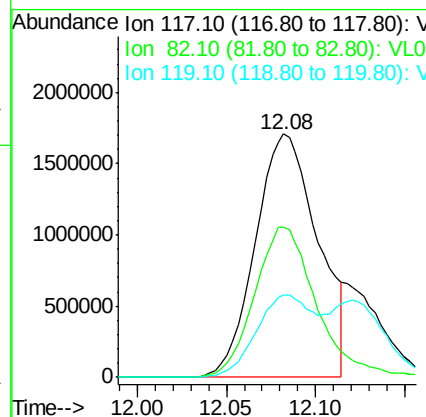
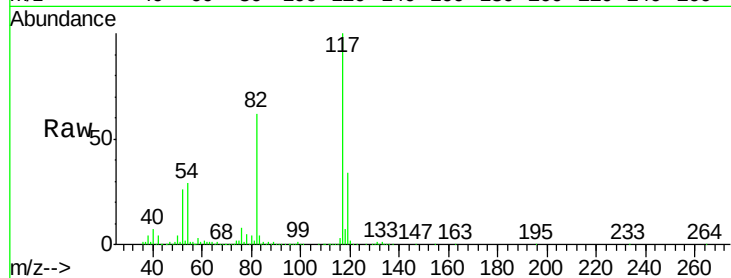
82 61.9 52.6 79.0

119 30.2 46.6 70.0#

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#56

1,1,1,2-Tetrachloroethane

Concen: 10.781 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

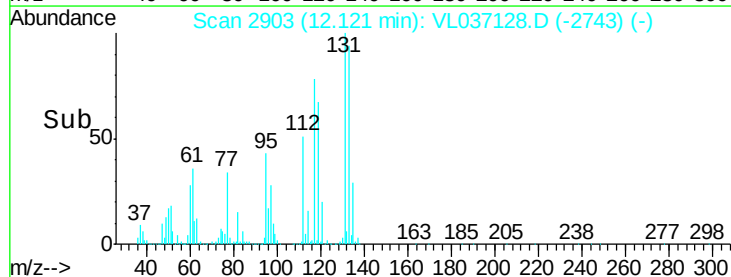
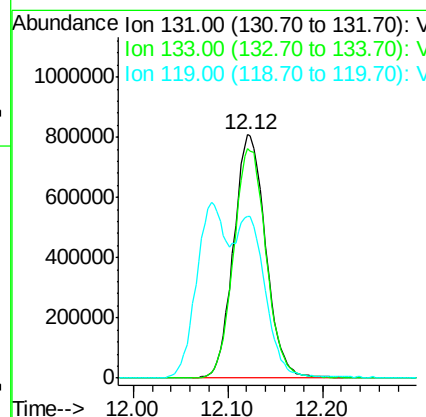
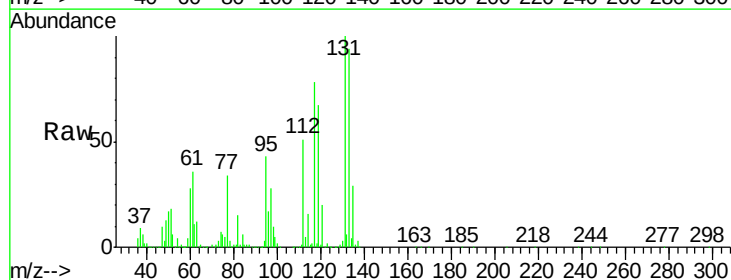
Tgt Ion:131 Resp: 1900294

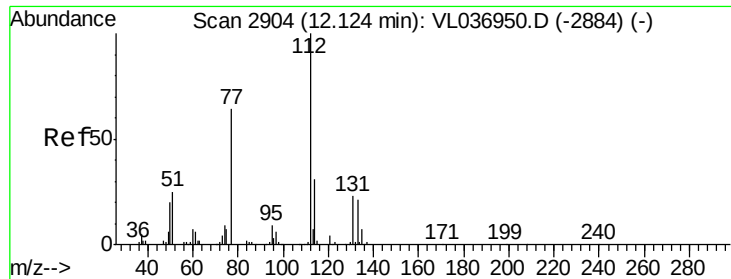
Ion Ratio Lower Upper

131 100

133 95.6 76.9 115.3

119 60.1 120.2 180.4#





#57

Chlorobenzene

Concen: 10.270 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS01

Tot Ion:112 Resp: 3336008

Ion Ratio Lower Upper

112 100

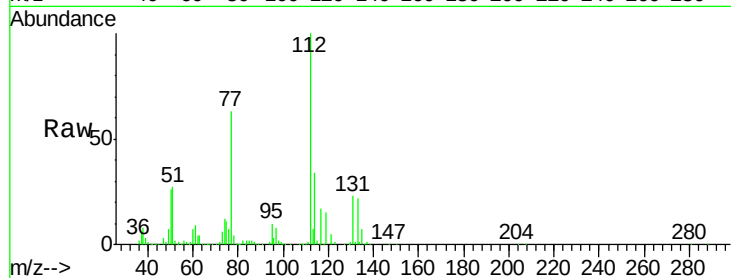
77 62.5 51.0 76.6

114 33.8 28.3 34.5

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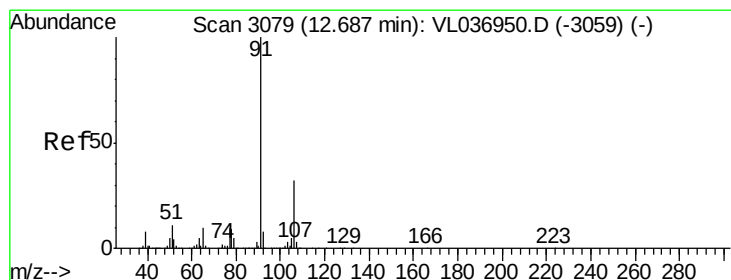
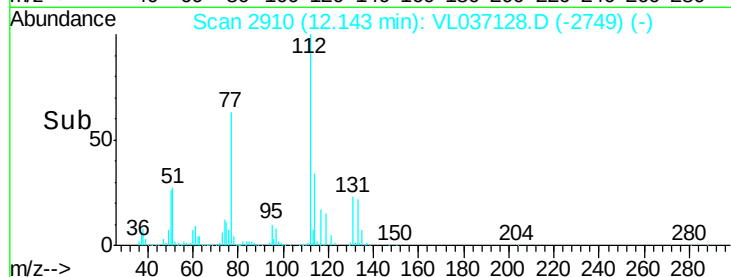
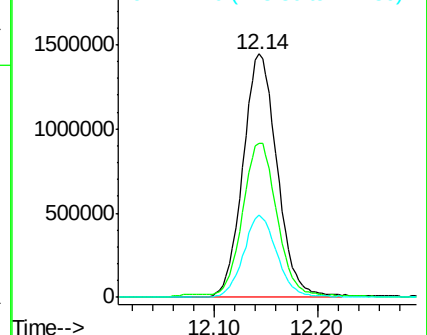
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.797 ppbv

RT: 12.71 min Scan# 3085

Delta R.T. 0.02 min

Lab File: VL037128.D

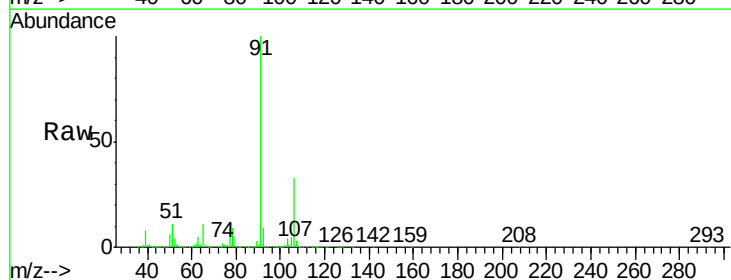
Acq: 8 Jun 2021 11:41

Tgt Ion: 91 Resp: 5792610

Ion Ratio Lower Upper

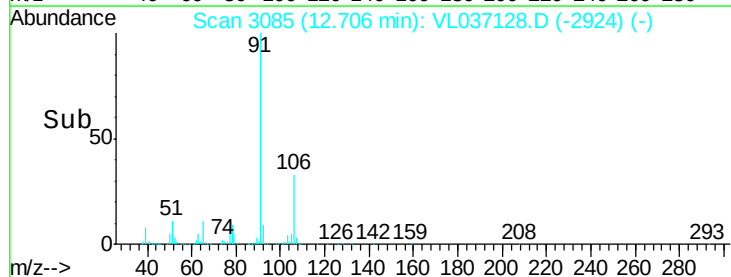
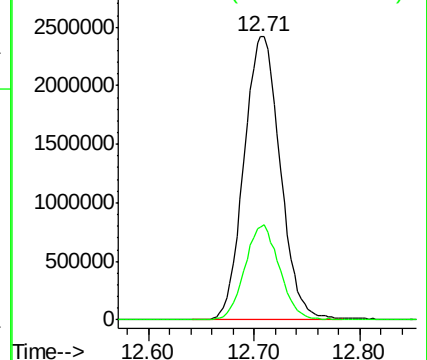
91 100

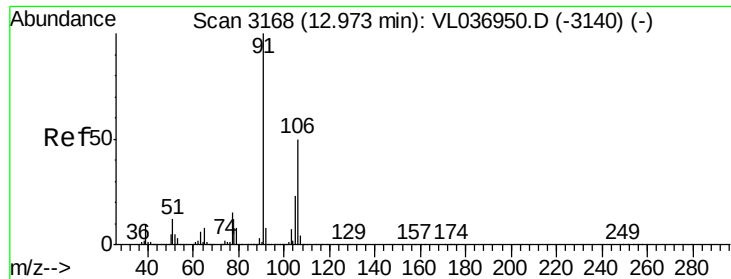
106 32.5 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





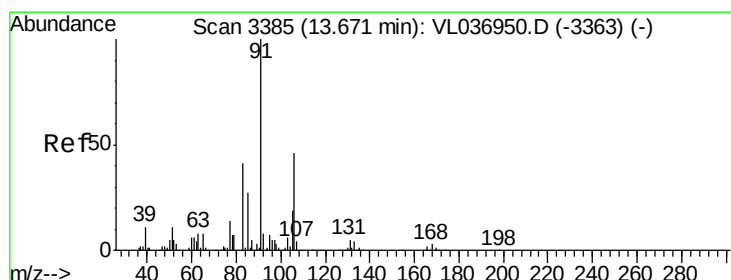
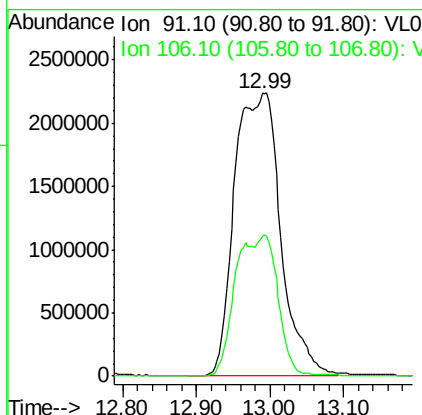
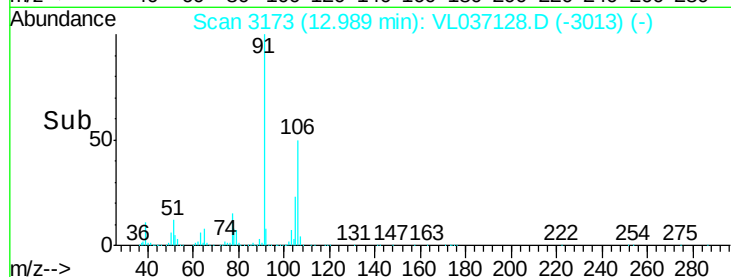
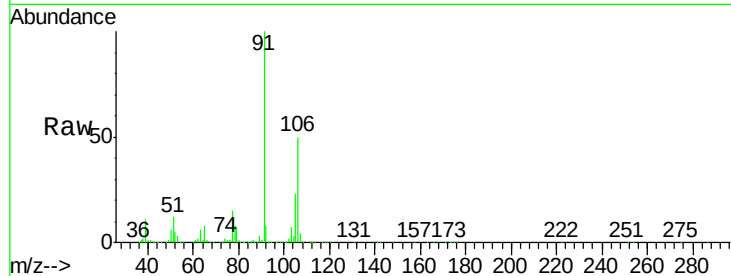
#59
m/p-Xylene
Concen: 20.006 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. 0.02 min
Lab File: VL037128.D
Acq: 8 Jun 2021 11:41

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS01

Tot Ion: 91 Resp: 9777326
Ion Ratio Lower Upper
91 100
106 45.7 37.4 56.2

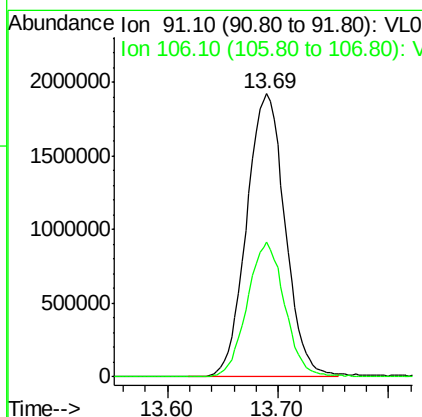
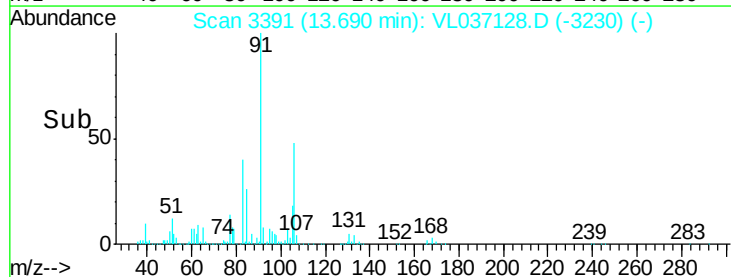
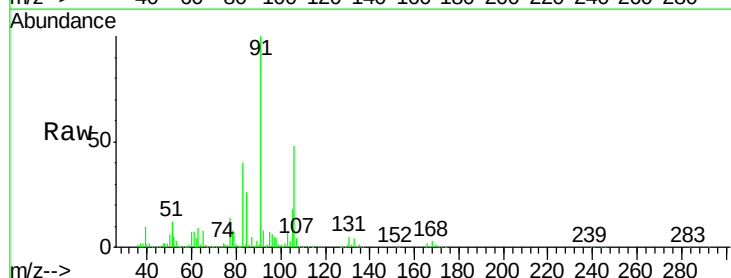
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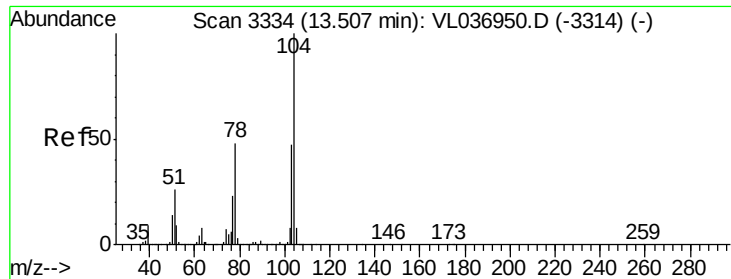
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#60
o-Xylene
Concen: 9.970 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. 0.02 min
Lab File: VL037128.D
Acq: 8 Jun 2021 11:41

Tgt Ion: 91 Resp: 4647037
Ion Ratio Lower Upper
91 100
106 46.5 23.4 70.3





#61

Stvrene

Concen: 10.363 ppbv

RT: 13.52 min Scan# 3339

Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS01

Tot Ion:104 Resp: 2721290

Ion Ratio Lower Upper

104 100

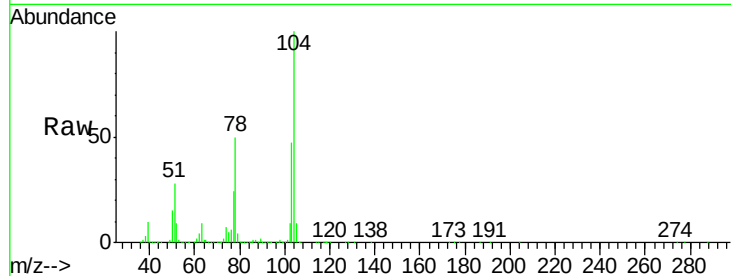
78 50.8 39.0 58.6

103 48.4 38.0 57.0

Manual Integrations
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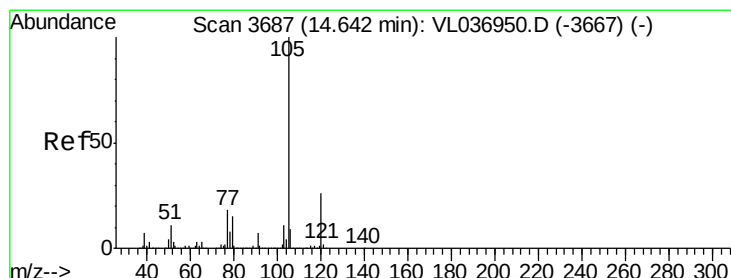
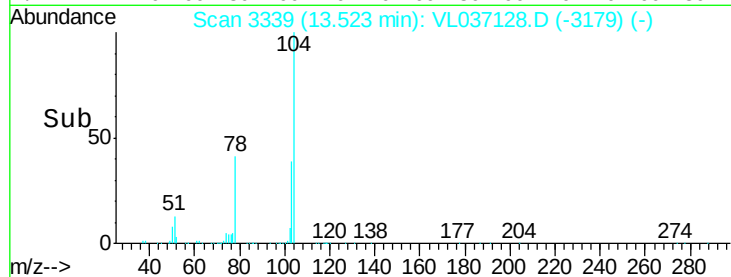
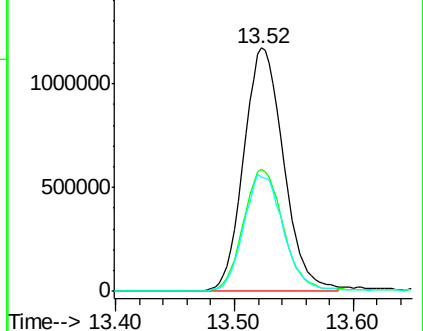
6/9/2021 4:23:15 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.811 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. 0.02 min

Lab File: VL037128.D

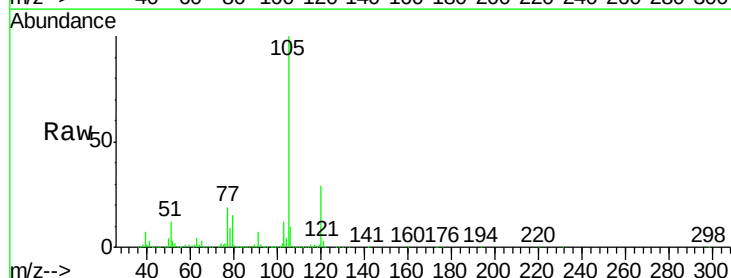
Acq: 8 Jun 2021 11:41

Tgt Ion:105 Resp: 6572111

Ion Ratio Lower Upper

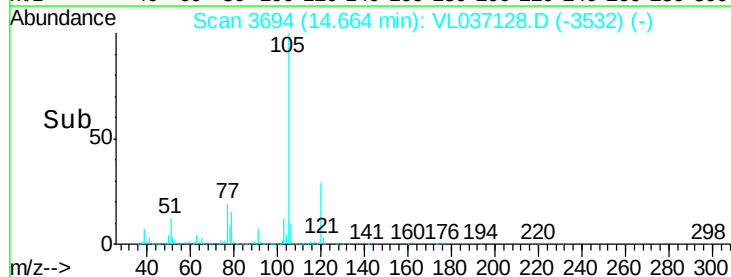
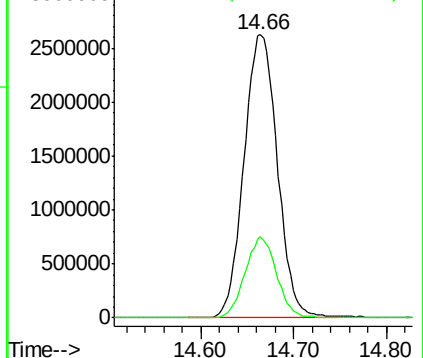
105 100

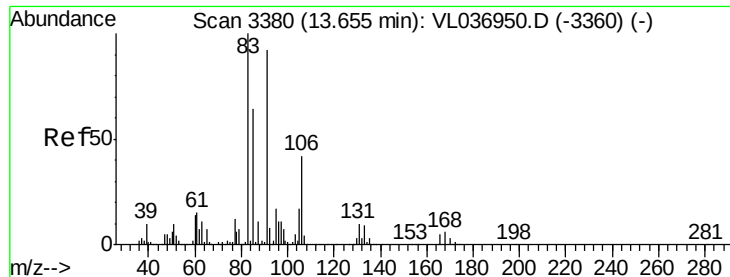
120 27.1 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 9.008 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS01

Tot Ion: 83 Resp: 3135740

Ion Ratio Lower Upper

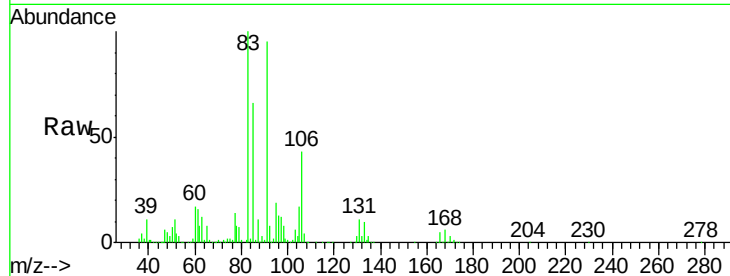
83 100

131 11.1 5.0 15.0

85 67.2 32.9 98.6

Manual Integrations
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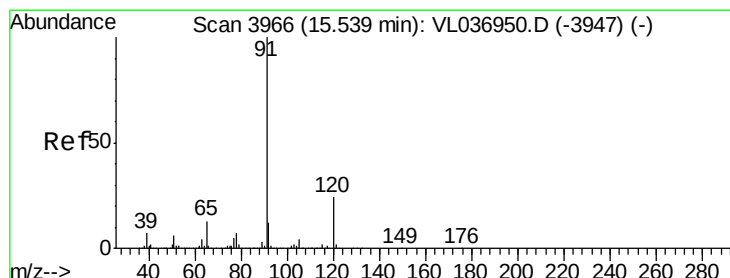
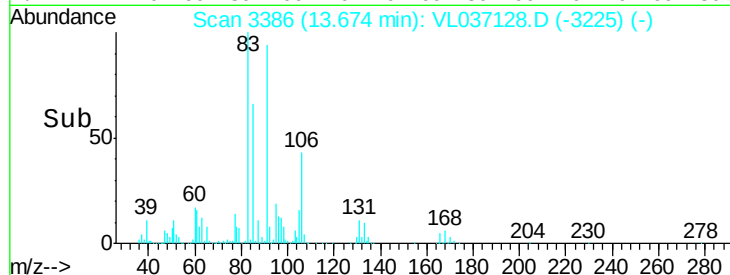
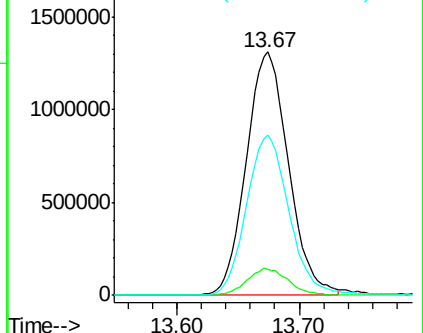
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.311 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. 0.02 min

Lab File: VL037128.D

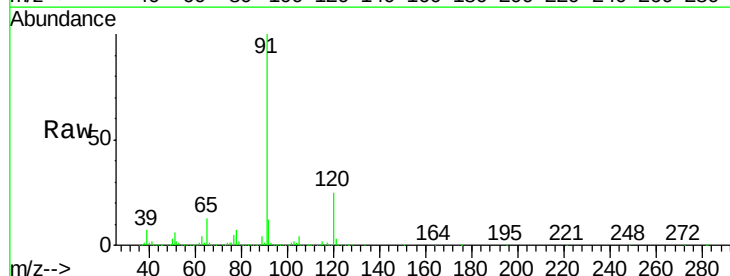
Acq: 8 Jun 2021 11:41

Tgt Ion:120 Resp: 1782158

Ion Ratio Lower Upper

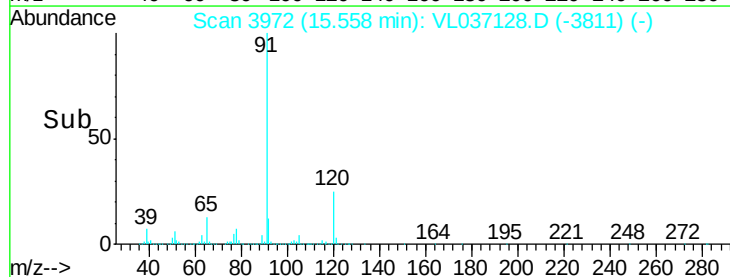
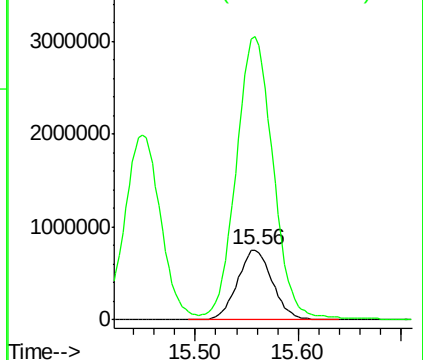
120 100

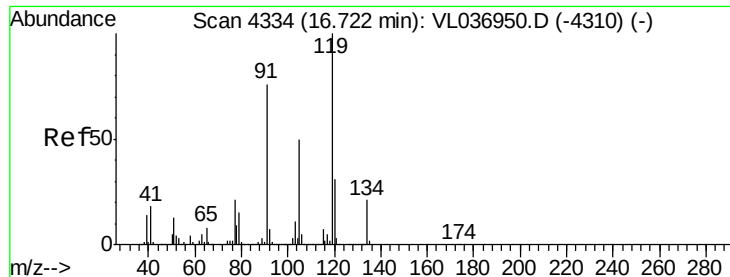
91 428.2 343.8 515.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





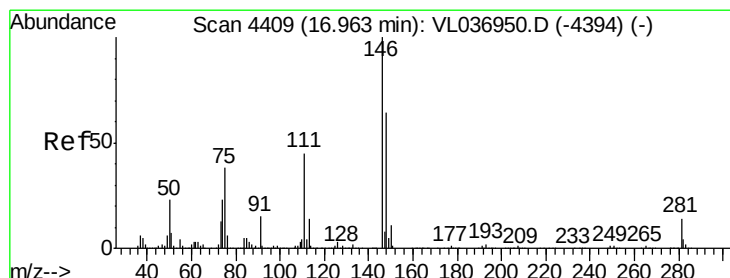
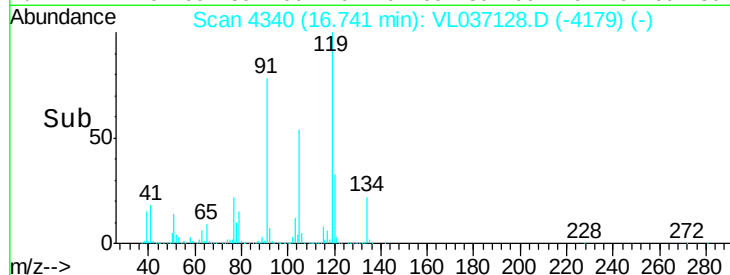
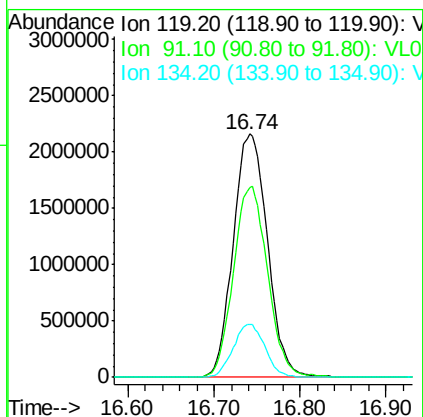
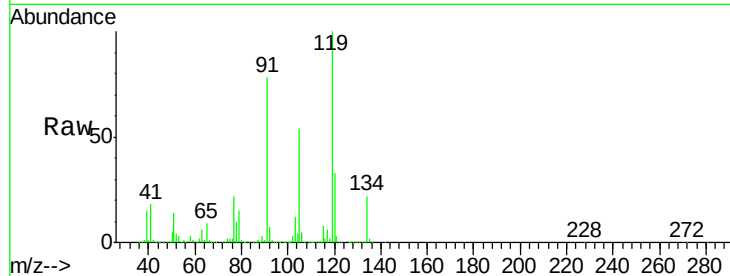
#65
 tert-Butylbenzene
 Concen: 9.883 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.4	61.9	92.9
134	20.4	16.2	24.4

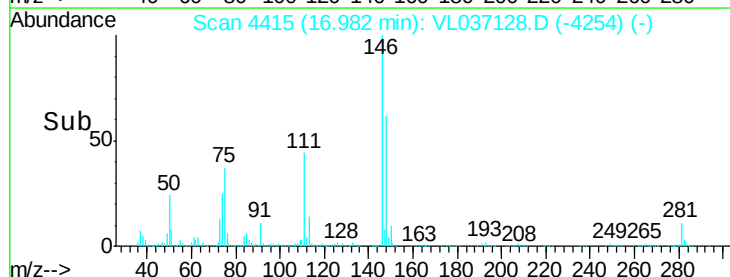
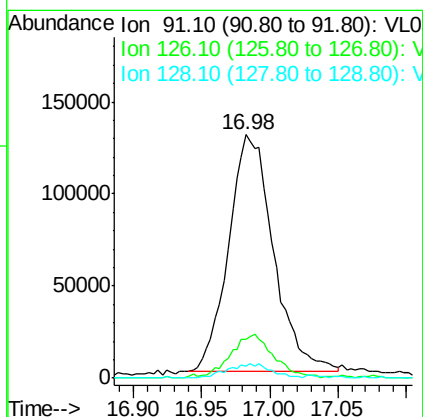
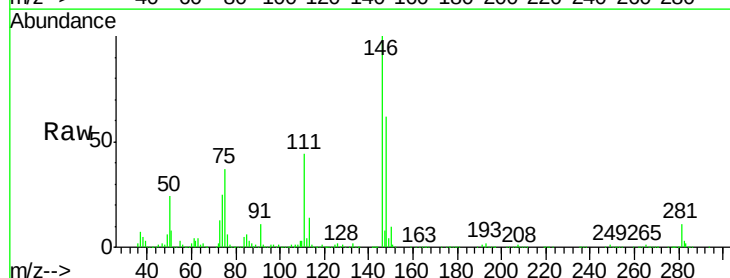
Manual Integrations
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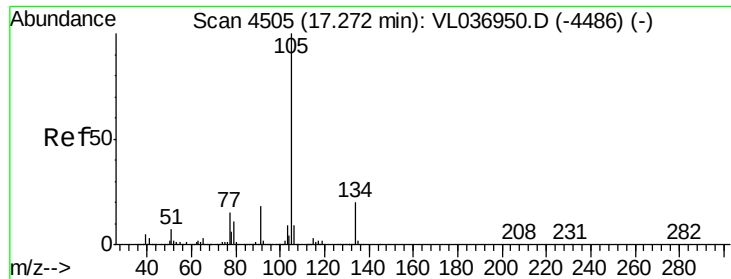
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#66
 Benzyl Chloride
 Concen: 8.792 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	19.0	16.5	24.7
128	6.6	5.5	8.3





#67

sec-Butylbenzene

Concen: 9.651 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS01

Tot Ion: 105 Resp: 7958428

Ion Ratio Lower Upper

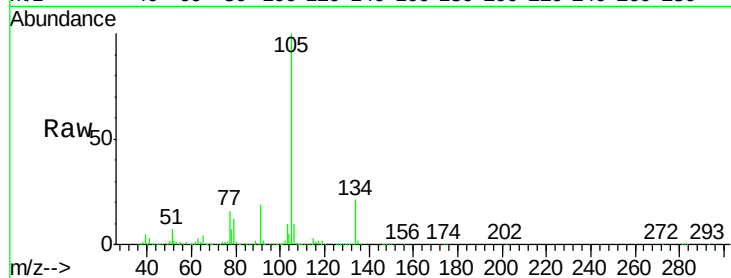
105 100

134 19.8 15.6 23.4

Manual Integrations
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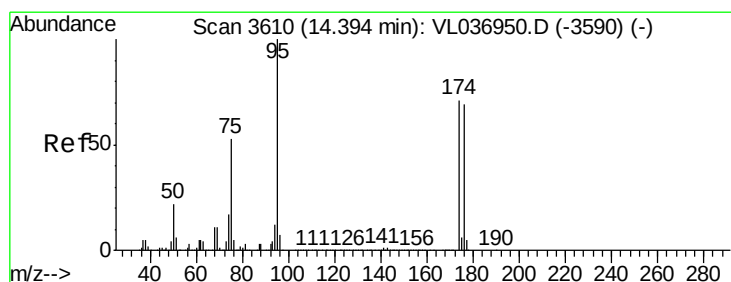
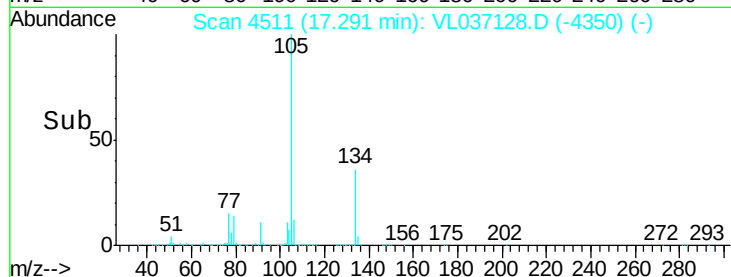
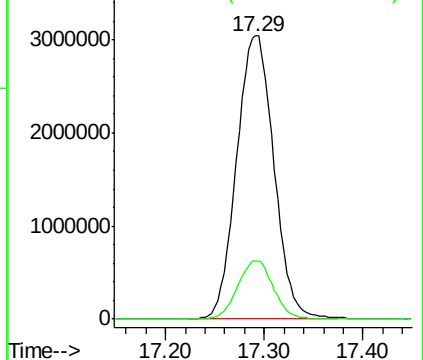
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.130 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

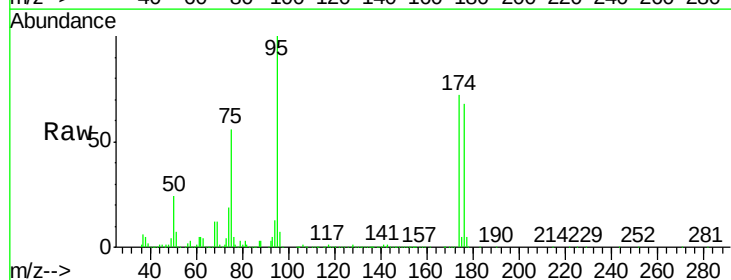
Tgt Ion: 95 Resp: 3187803

Ion Ratio Lower Upper

95 100

174 71.8 58.4 87.6

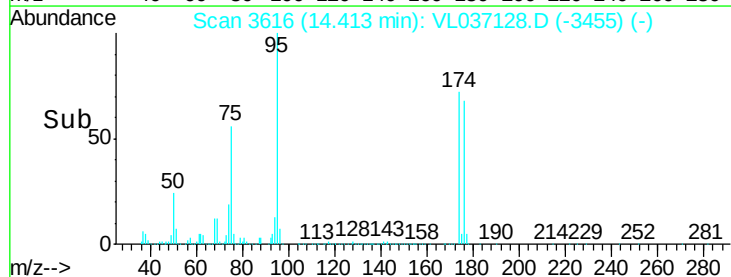
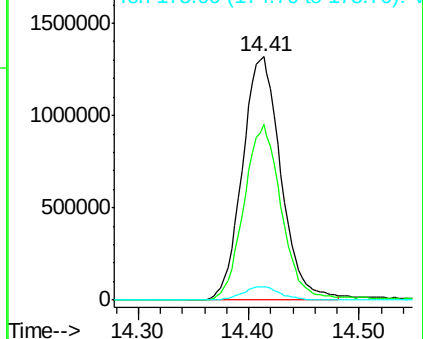
175 5.4 4.4 6.6

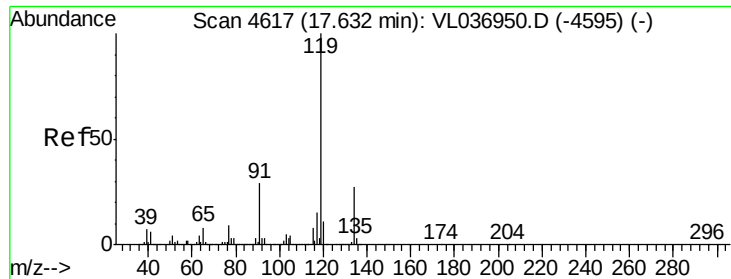


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





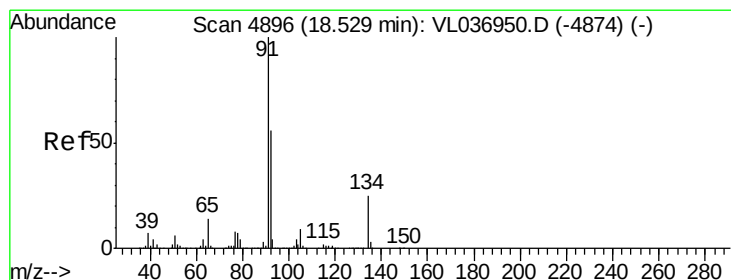
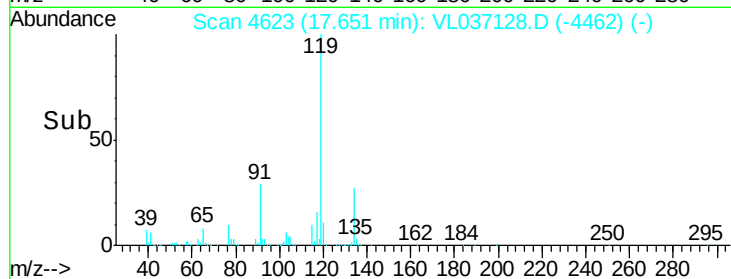
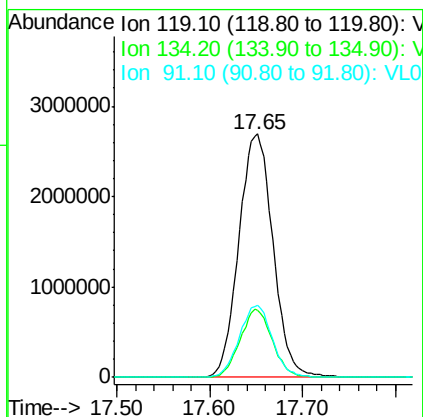
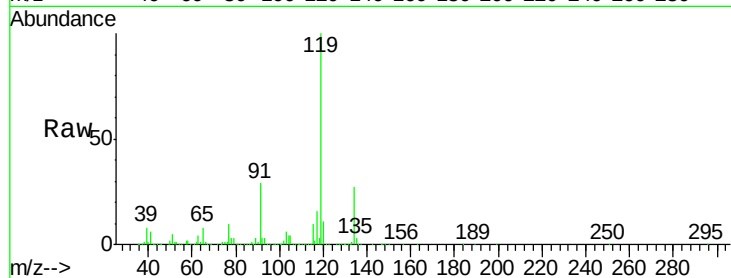
#69
 p-Isopropyltoluene
 Concen: 9.704 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.2	31.8
91	28.5	22.2	33.4

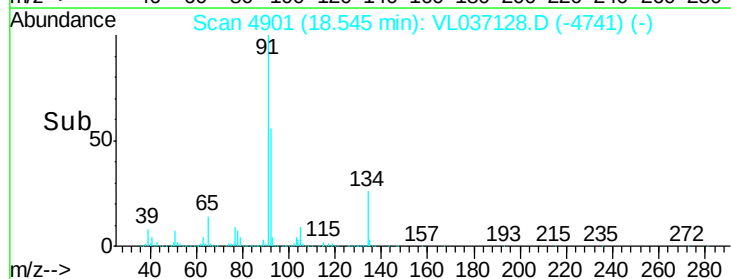
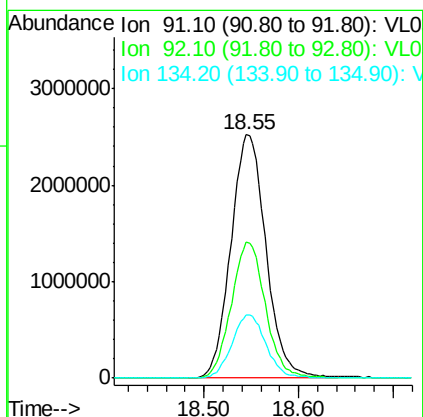
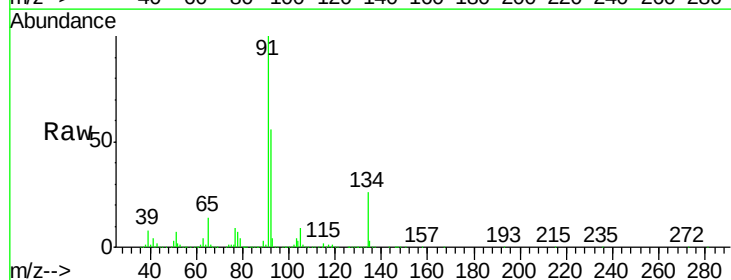
Manual Integrations
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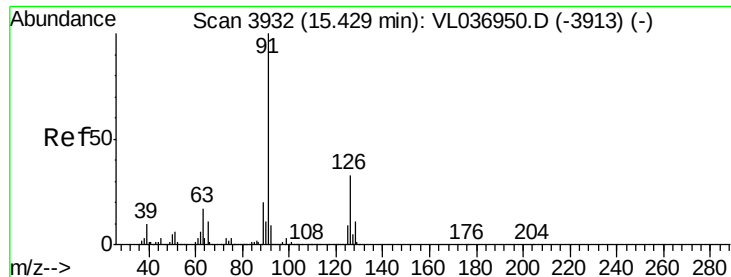
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#70
 n-Butylbenzene
 Concen: 9.657 ppbv
 RT: 18.55 min Scan# 4901
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	44.6	66.8
134	25.4	20.2	30.2





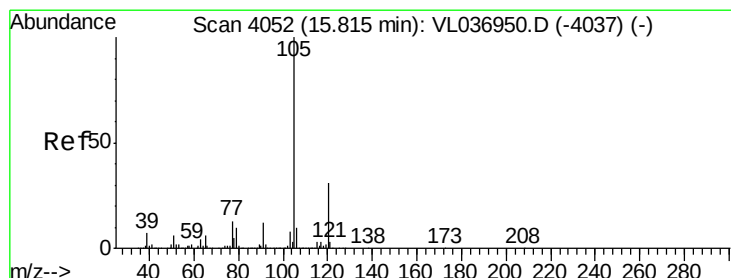
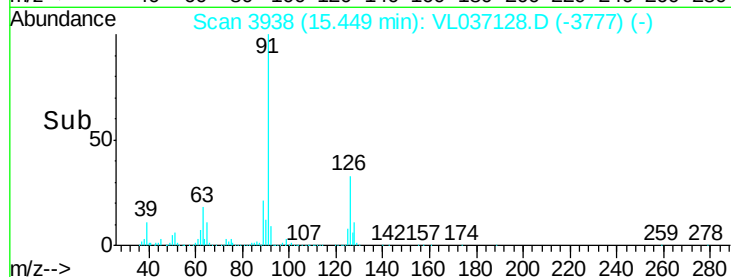
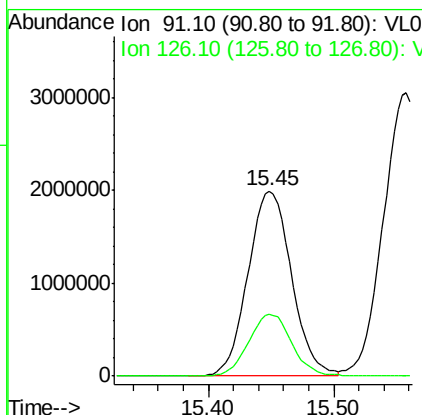
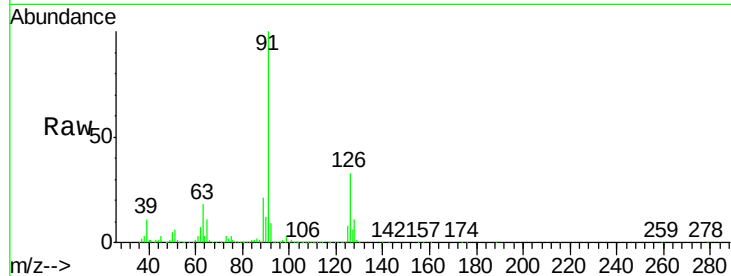
#71
2-Chlorotoluene
Concen: 9.952 ppbv
RT: 15.45 min Scan# 3938
Delta R.T. 0.02 min
Lab File: VL037128.D
Acq: 8 Jun 2021 11:41

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS01

Tot Ion: 91 Resp: 4814964
Ion Ratio Lower Upper
91 100
126 33.8 13.1 52.5

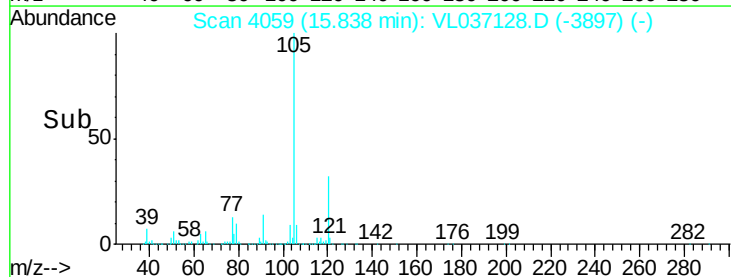
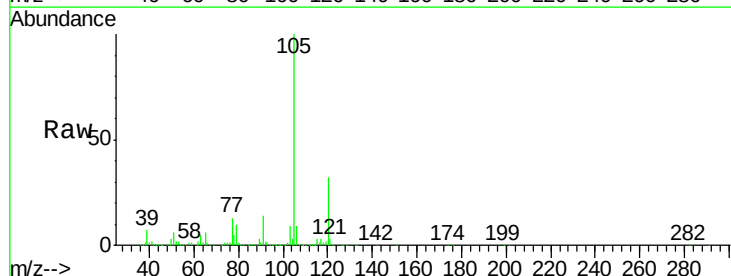
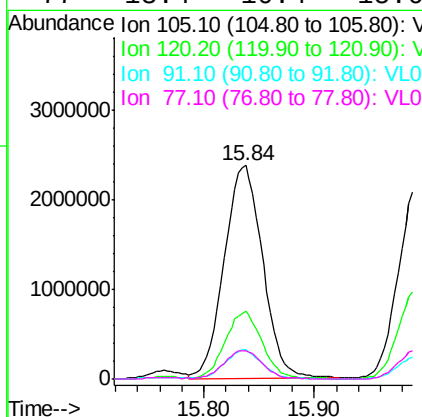
Manual Integrations
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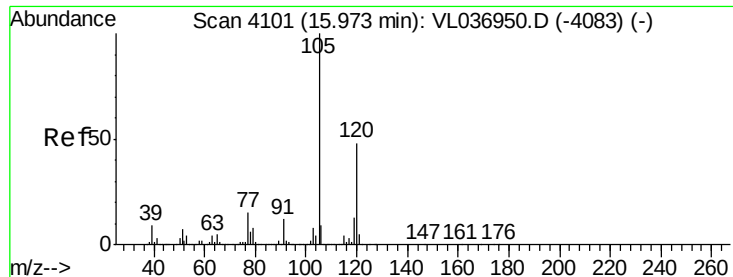
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6/9/2021 4:23:15 PM



#72
4-Ethyltoluene
Concen: 10.313 ppbv
RT: 15.84 min Scan# 4059
Delta R.T. 0.02 min
Lab File: VL037128.D
Acq: 8 Jun 2021 11:41

Tgt Ion: 105 Resp: 5705290
Ion Ratio Lower Upper
105 100
120 30.8 24.6 37.0
91 13.1 9.8 14.6
77 13.4 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 10.060 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS01

Tot Ion:105 Resp: 5226321

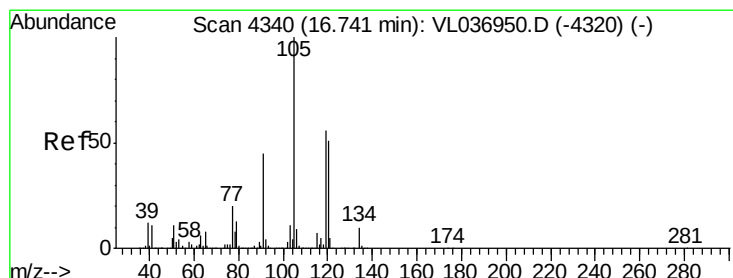
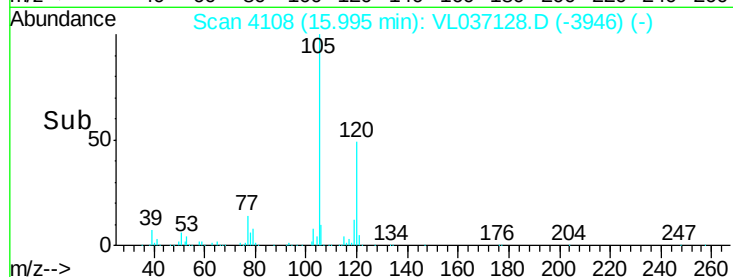
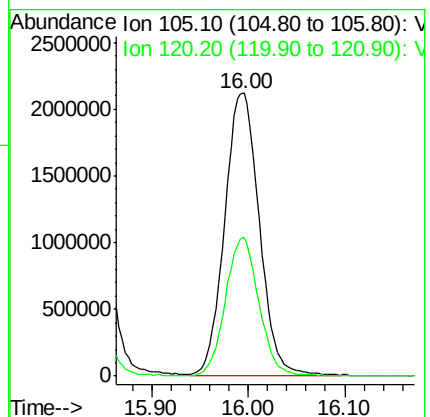
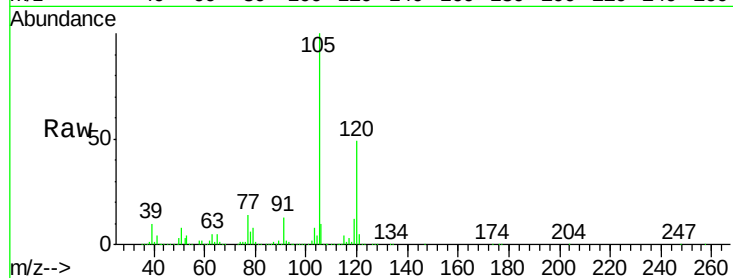
Ion Ratio Lower Upper

105 100

120 48.9 38.6 58.0

Manual Integrations
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6/9/2021 4:23:15 PM



#74

1,2,4-Trimethylbenzene

Concen: 10.014 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.02 min

Lab File: VL037128.D

Acq: 8 Jun 2021 11:41

Tgt Ion:105 Resp: 5379226

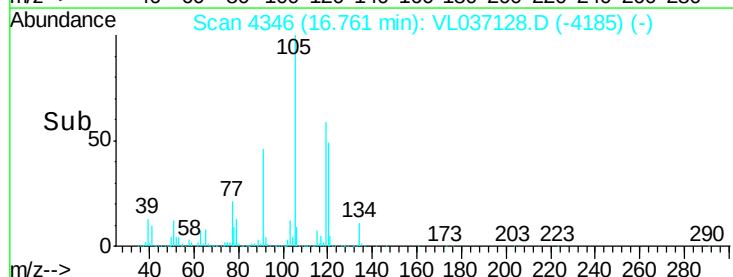
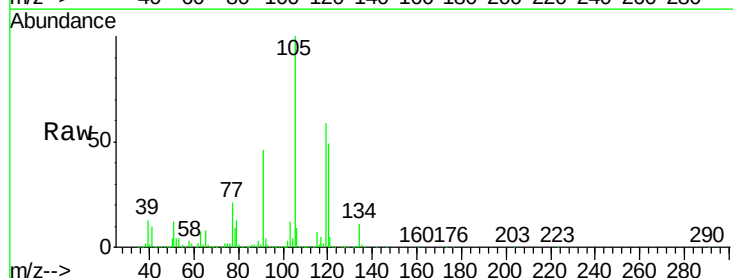
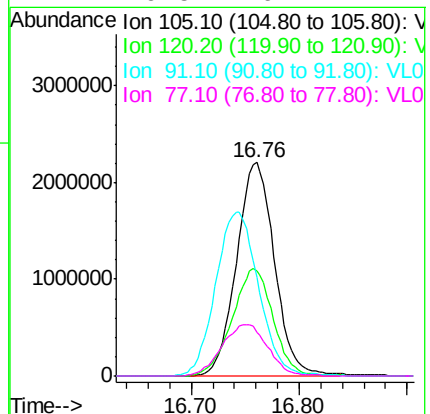
Ion Ratio Lower Upper

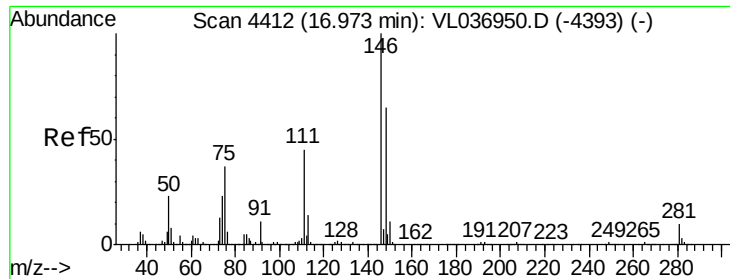
105 100

120 48.8 40.6 61.0

91 45.7 37.4 56.0

77 20.5 16.2 24.4





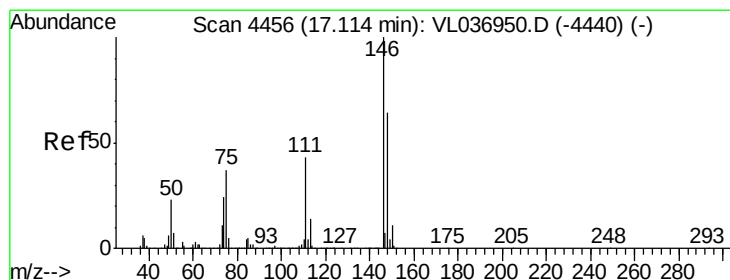
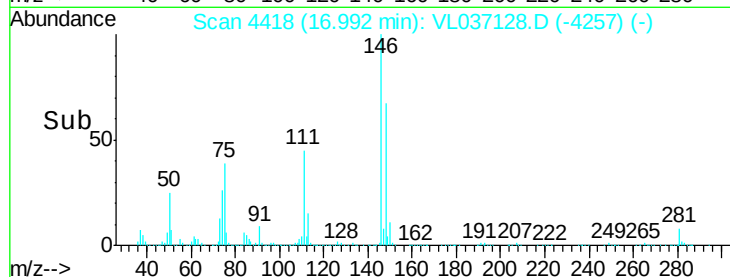
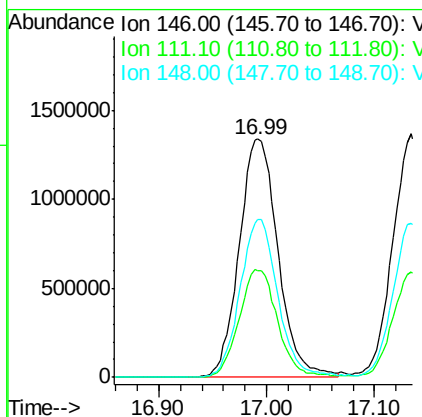
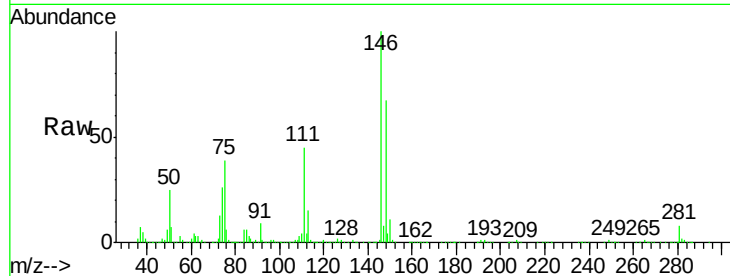
#75
 1,3-Dichlorobenzene
 Concen: 10.219 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS01

Tot Ion:146 Resp: 3352065
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.2 66.6
 148 64.7 32.3 96.8

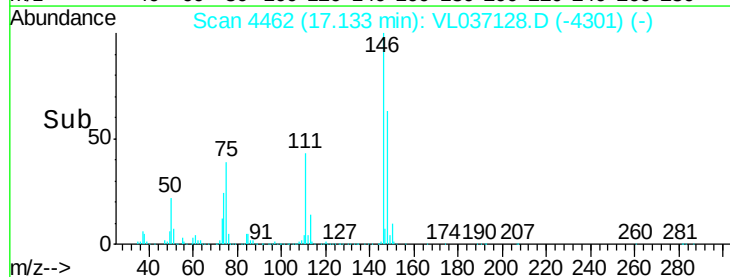
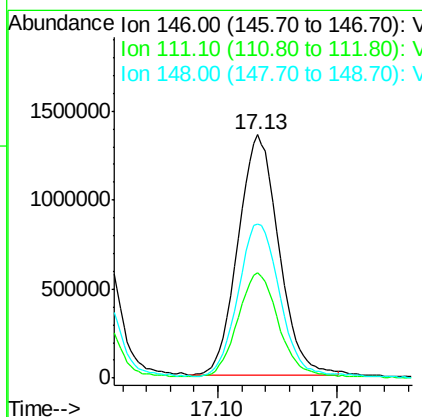
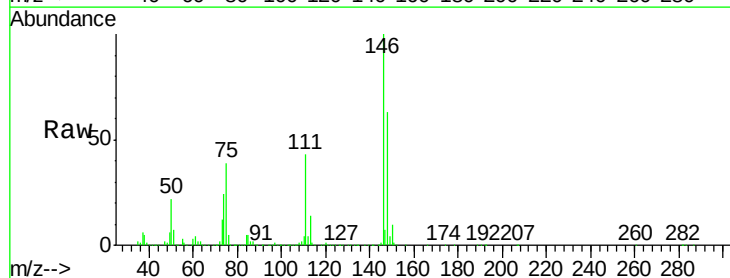
Manual Integrations
 APPROVED

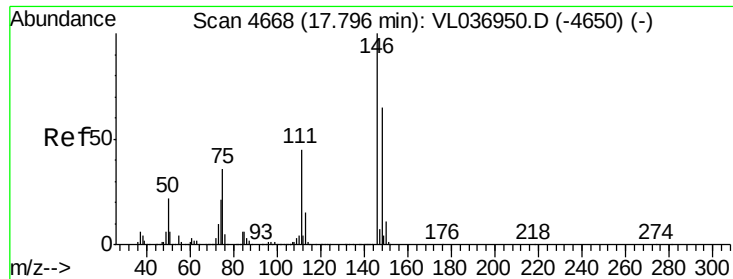
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#76
 1,4-Dichlorobenzene
 Concen: 9.616 ppbv
 RT: 17.13 min Scan# 4462
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Tgt Ion:146 Resp: 3189020
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.6 67.7
 148 67.7 33.5 100.5





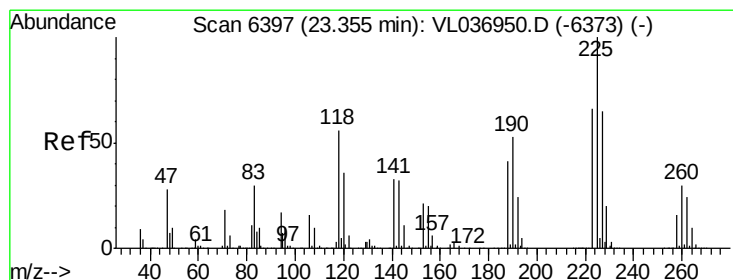
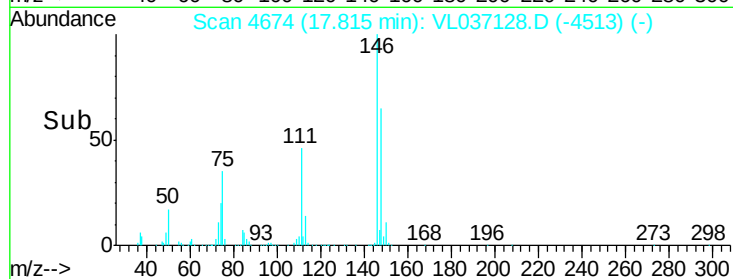
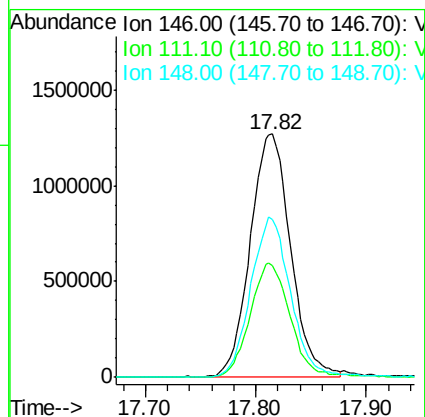
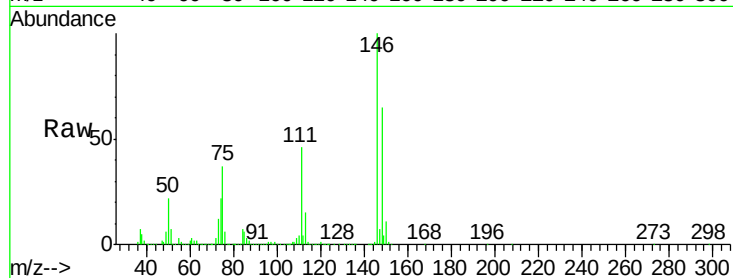
#77
 1,2-Dichlorobenzene
 Concen: 9.776 ppbv
 RT: 17.82 min Scan# 4674
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.1	69.2
148	65.0	32.5	97.4

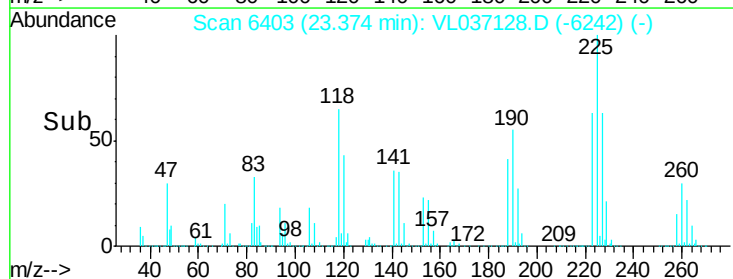
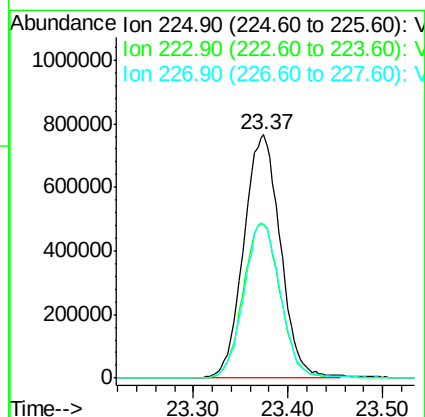
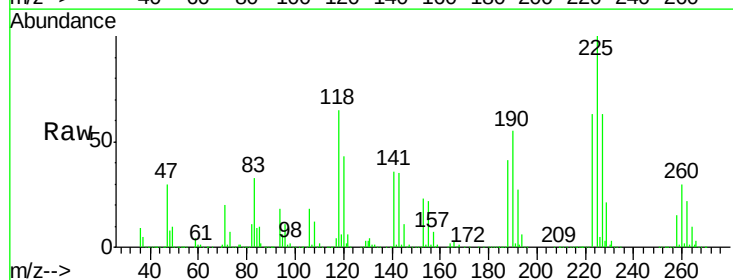
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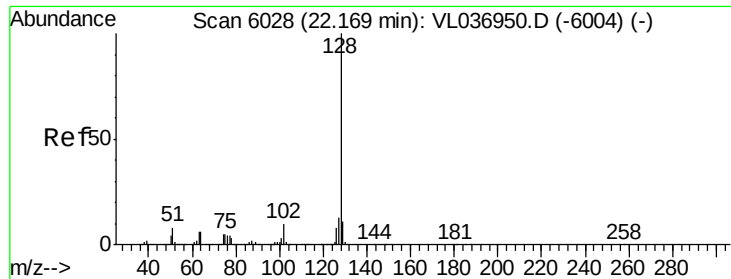
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.779 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.9	77.9
227	64.3	51.8	77.6





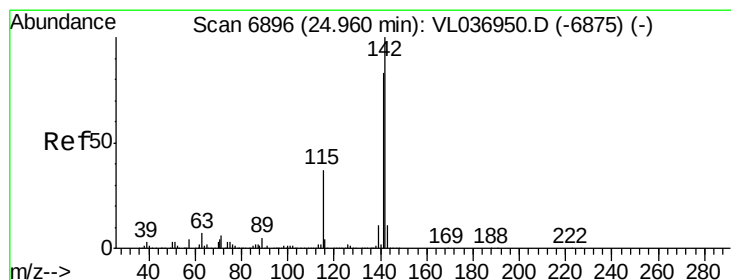
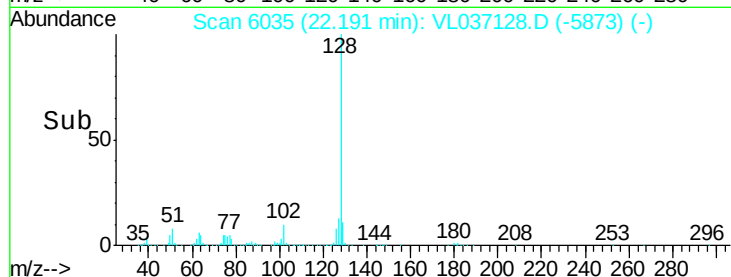
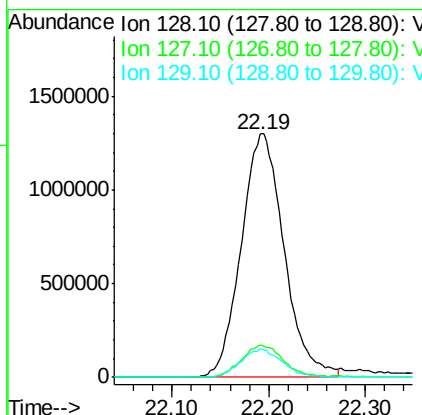
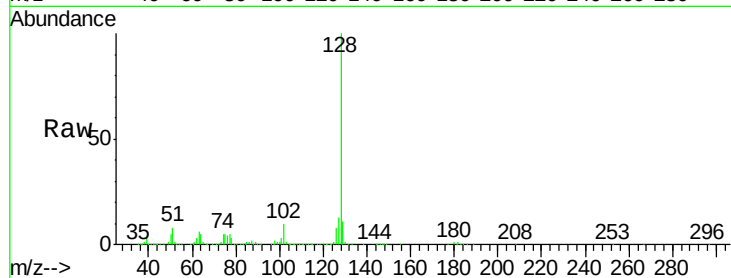
#79
Naphthalene
Concen: 9.492 ppbv
RT: 22.19 min Scan# 6035
Delta R.T. 0.02 min
Lab File: VL037128.D
Acq: 8 Jun 2021 11:41

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS01

Tot Ion:128 Resp: 4000609
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.5 9.0 13.6

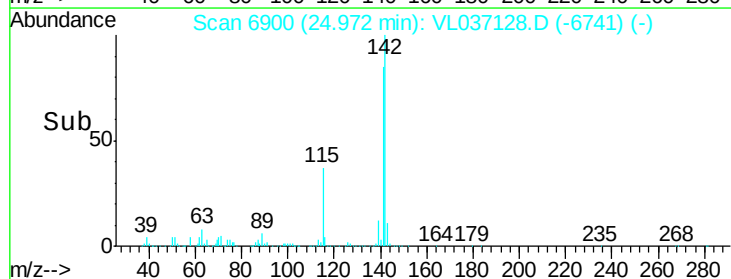
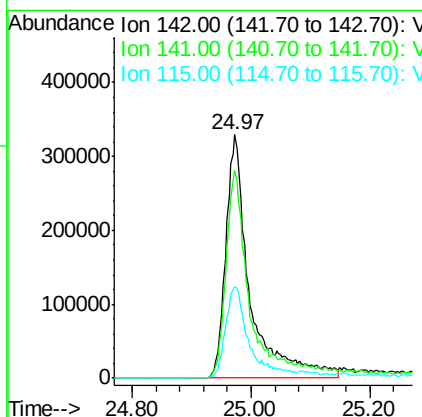
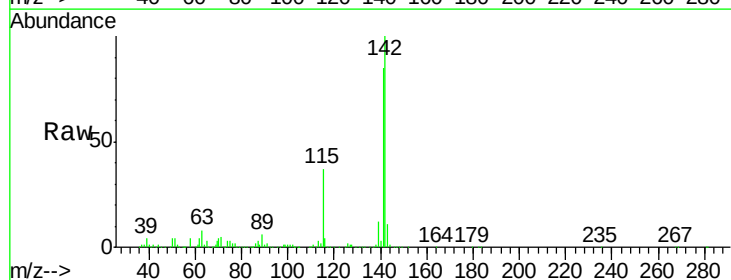
Manual Integrations
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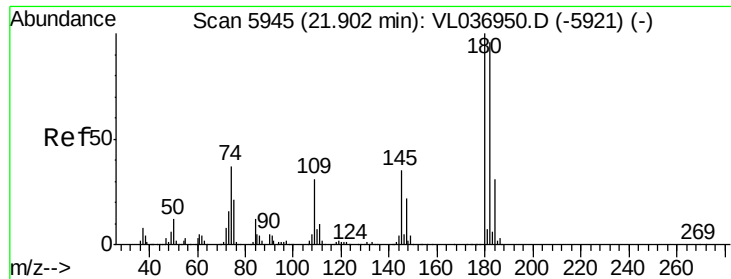
MMDadoda
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#80
Naphthalene, 2-methyl-
Concen: 10.182 ppbv
RT: 24.97 min Scan# 6900
Delta R.T. 0.01 min
Lab File: VL037128.D
Acq: 8 Jun 2021 11:41

Tgt Ion:142 Resp: 933208
Ion Ratio Lower Upper
142 100
141 86.1 69.3 103.9
115 39.4 29.1 43.7





#81
 1,2,4-Trichlorobenzene
 Concen: 8.880 ppbv
 RT: 21.92 min Scan# 5952
 Delta R.T. 0.02 min
 Lab File: VL037128.D
 Acq: 8 Jun 2021 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.2	81.7	122.5
184	32.0	24.9	37.3

Manual Integrations
 APPROVED

MMDadoda
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