

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036922.D
 Acq On : 7 May 2021 16:48
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/10/2021 3:34:43 PM

Quant Time: May 08 07:03:18 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1326466	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3428571	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3097023m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2612780	10.51	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2006332	9.604	ppbv	98
3) Chlorodifluoromethane	3.00	51	2603394	10.775	ppbv	99
4) Chloromethane	3.15	50	847901	10.677	ppbv	96
5) Vinyl Chloride	3.27	62	835576	10.431	ppbv	98
6) Bromomethane	3.48	94	435655	10.114	ppbv	98
7) Chloroethane	3.57	64	286695	10.891	ppbv	100
8) Dichlorotetrafluoroethane	3.20	85	1983297	10.409	ppbv	99
9) Propene	3.02	41	786791	10.686	ppbv	96
10) Heptane	8.13	43	2045347	11.046	ppbv	98
11) Trichlorofluoromethane	3.96	101	1919783	10.295	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1283478	10.284	ppbv	100
13) Ethanol	3.63	45	84313m	8.980	ppbv	
14) Bromoethene	3.75	108	558979	10.963	ppbv	99
15) Acetone	3.86	43	1318015	10.542	ppbv	98
16) 1,3-Butadiene	3.33	39	853447	10.675	ppbv	99
17) tert-Butyl alcohol	4.30	59	1076353	10.606	ppbv	99
18) 1,1-Dichloroethene	4.30	96	572341	10.552	ppbv	99
19) Isopropyl Alcohol	3.98	45	636870	10.281	ppbv #	98
20) Methylene Chloride	4.35	84	512514	8.572	ppbv	95
21) Allyl Chloride	4.42	41	945063	10.173	ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	551918	10.140	ppbv	98
23) Vinyl Acetate	5.09	43	2354082	13.842	ppbv	97
24) 1,1-Dichloroethane	5.02	63	1576681	13.060	ppbv	97
25) Ethyl Acetate	5.69	43	3093900	10.131	ppbv	99
26) Hexane	5.70	57	1506833	10.546	ppbv	93
27) Carbon Disulfide	4.56	76	1421774	11.456	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	1630216	12.872	ppbv	100
29) Chloroform	5.76	83	2287321	10.268	ppbv	98
30) Cyclohexane	7.14	84	1240138	10.945	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1438299	11.215	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2345232	10.353	ppbv	99
34) 2-Butanone	5.26	43	1493822	9.946	ppbv	98
35) Carbon Tetrachloride	7.03	117	2475305	10.640	ppbv	96
36) Benzene	6.90	78	3121732	10.807	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1764698	10.788	ppbv	100
38) Trichloroethene	7.84	130	1150741	11.188	ppbv	97
39) 1,2-Dichloropropane	7.63	63	1227409	10.606	ppbv	96
40) 1,4-Dioxane	7.85	88	301697m	10.796	ppbv	
41) Tetrahydrofuran	6.07	42	656021	9.985	ppbv	97
42) Bromodichloromethane	7.80	83	2519374	11.085	ppbv	99
43) Methyl Methacrylate	8.02	69	1162283	12.331	ppbv	97

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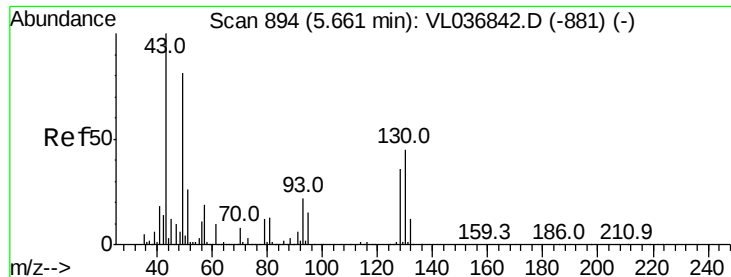
Manual Integrations
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Quant Time: May 08 07:03:18 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5261905	10.629	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	837971	8.247	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1169567	8.977	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1267912	10.582	ppbv	98
48) Dibromochloromethane	10.31	129	2090132	11.772	ppbv	99
49) Bromoform	13.05	173	1755241	12.384	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2175404	10.597	ppbv	98
51) 2-Hexanone	10.15	43	1118882	10.927	ppbv #	96
52) Tetrachloroethene	11.23	164	1057943	10.755	ppbv	96
53) Toluene	9.82	91	3491764	11.552	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1816461	10.738	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1447444	11.148	ppbv #	63
57) Chlorobenzene	12.16	112	2580142	10.696	ppbv	99
58) Ethyl Benzene	12.72	91	4643691	11.822	ppbv	100
59) m/p-Xylene	13.01	91	7903980m	22.513	ppbv	
60) o-Xylene	13.70	91	3731726	10.993	ppbv	99
61) Styrene	13.54	104	1997281	12.529	ppbv	99
62) Isopropylbenzene	14.68	105	5123499	11.093	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2815220	10.345	ppbv	99
64) n-propylbenzene	15.57	120	1355069	11.772	ppbv	99
65) tert-Butylbenzene	16.75	119	4486736	10.987	ppbv	99
66) Benzyl Chloride	17.00	91	340538	8.529	ppbv	100
67) sec-Butylbenzene	17.30	105	6267840	11.053	ppbv	100
69) p-Isopropyltoluene	17.66	119	5151389	11.332	ppbv	100
70) n-Butylbenzene	18.56	91	5371435	11.723	ppbv	99
71) 2-Chlorotoluene	15.46	91	3997563	11.687	ppbv	99
72) 4-Ethyltoluene	15.85	105	4390297	12.049	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3882265	10.987	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	4062767	10.824	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2451965	11.051	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2306934	10.624	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2349798	10.842	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1860027	10.101	ppbv	99
79) Naphthalene	22.21	128	2749033	13.077	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	340073	14.670	ppbv	94
81) 1,2,4-Trichlorobenzene	21.94	180	1703661	12.529	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.02 min

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Tot Ion: 49 Resp: 1326466

Ion Ratio Lower Upper

49 100

128 50.6 24.4 73.2

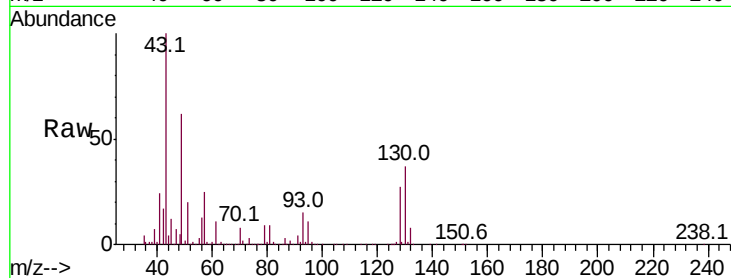
130 61.3 30.3 90.8

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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

5.68

800000

600000

400000

200000

0

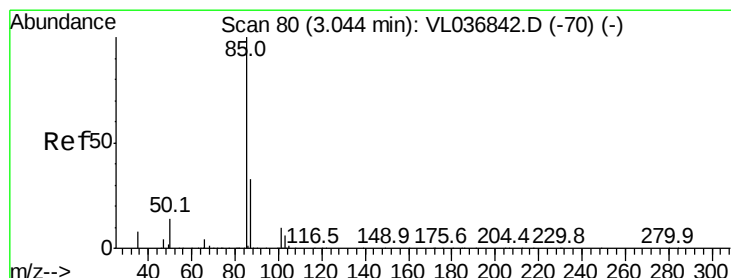
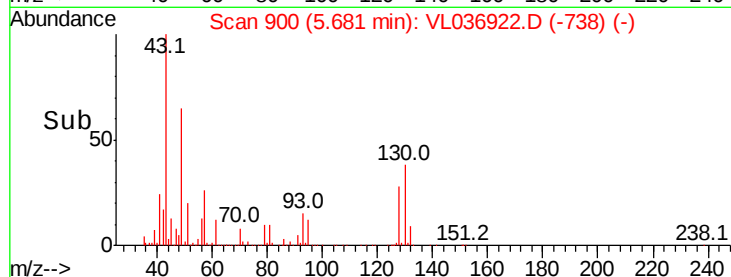
5.60

5.65

5.70

5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 9.604 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL036922.D

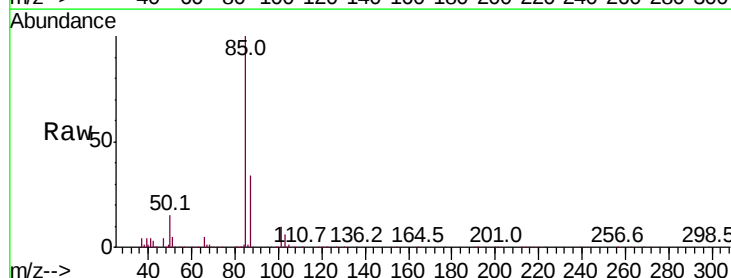
Acq: 7 May 2021 16:48

Tgt Ion: 85 Resp: 2006332

Ion Ratio Lower Upper

85 100

87 33.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

1000000

500000

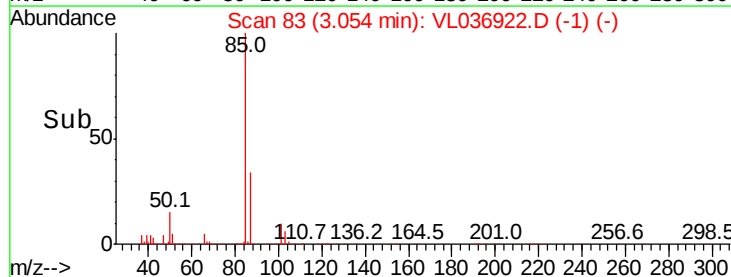
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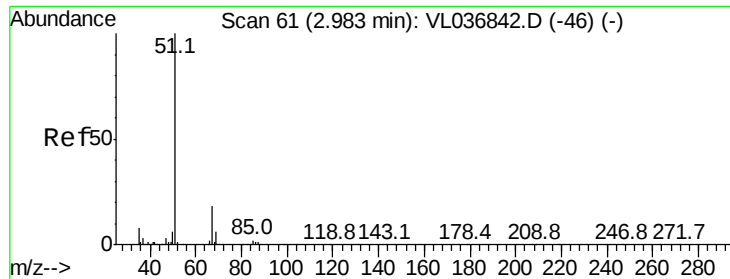
3.00

3.05

3.10

Time-->





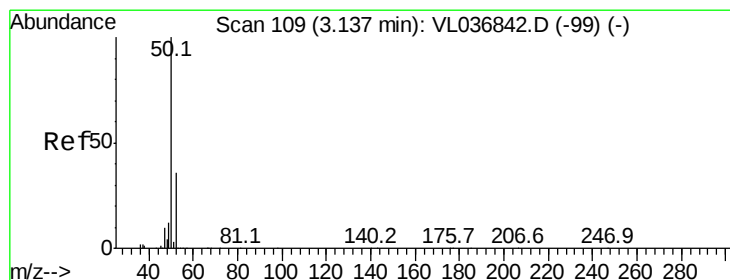
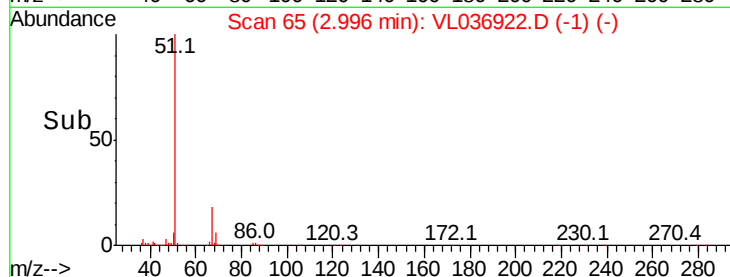
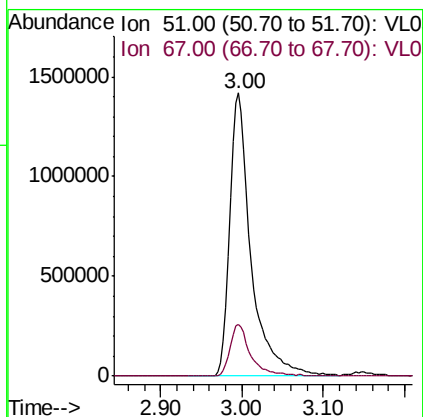
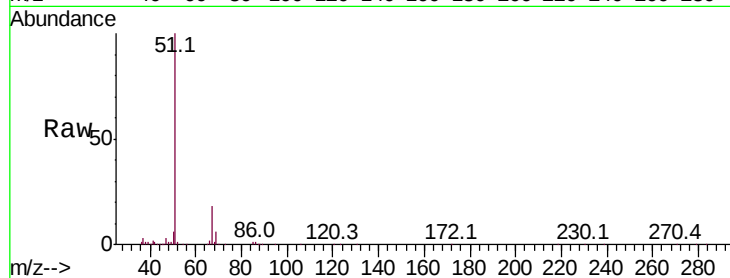
#3
Chlorodifluoromethane
Concen: 10.775 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
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ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 2603394
Ion Ratio Lower Upper
51 100
67 18.0 14.8 22.2

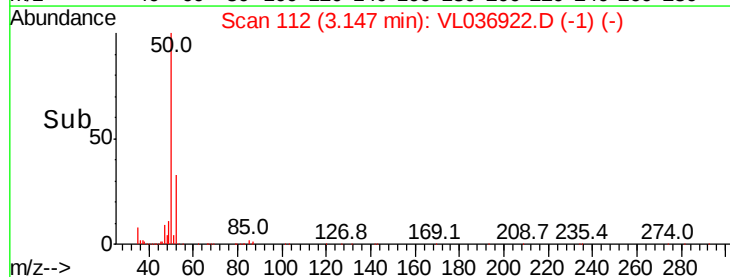
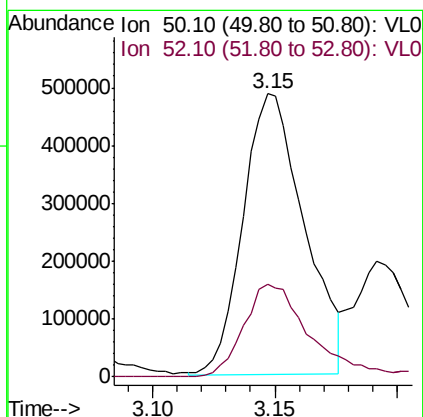
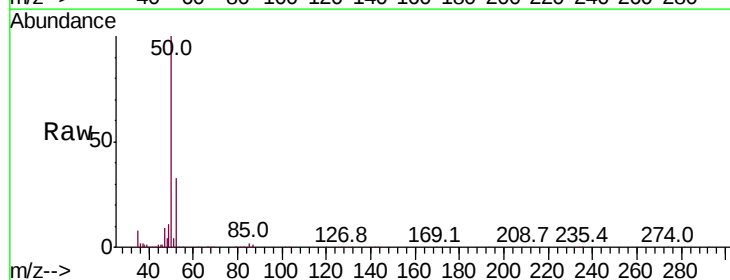
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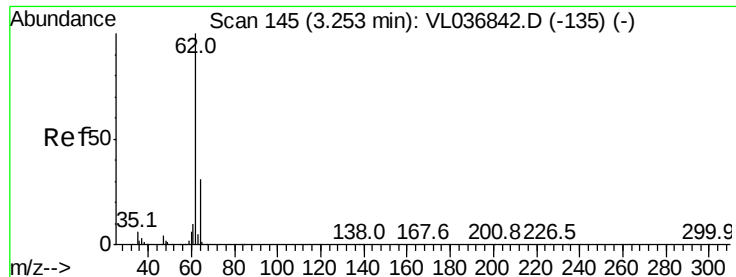
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#4
Chloromethane
Concen: 10.677 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion: 50 Resp: 847901
Ion Ratio Lower Upper
50 100
52 33.1 28.5 42.7





#5

Vinyl Chloride

Concen: 10.431 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 835576

Ion Ratio Lower Upper

62 100

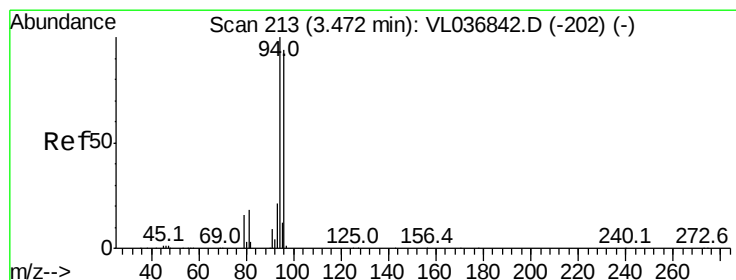
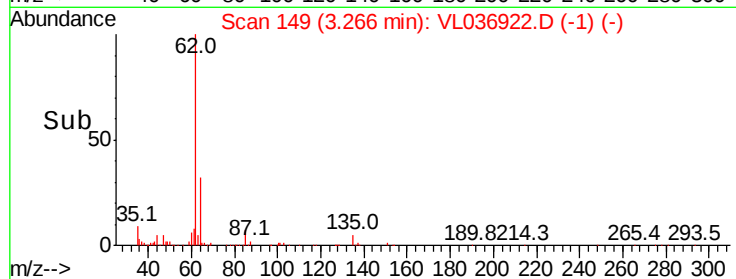
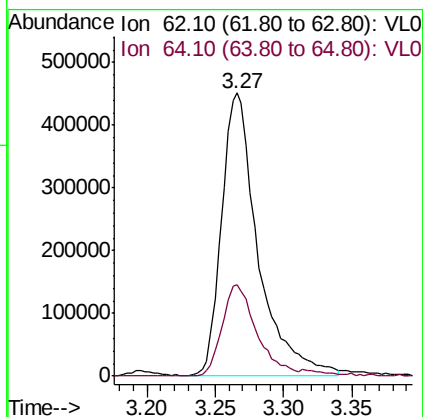
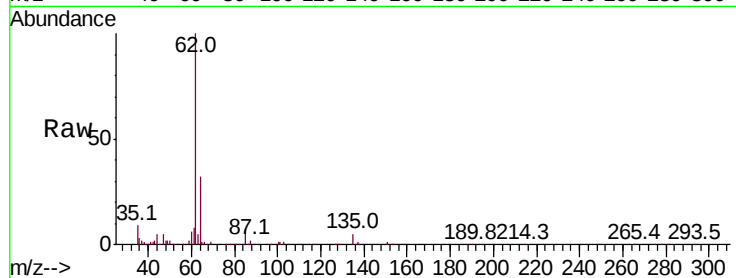
64 32.4 25.0 37.4

Manual Integrations

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#6

Bromomethane

Concen: 10.114 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036922.D

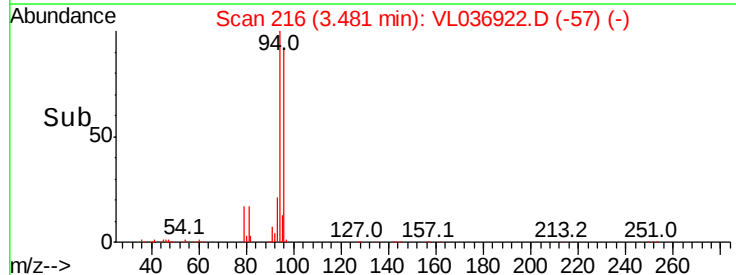
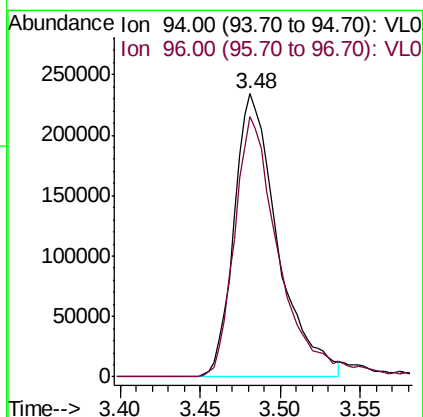
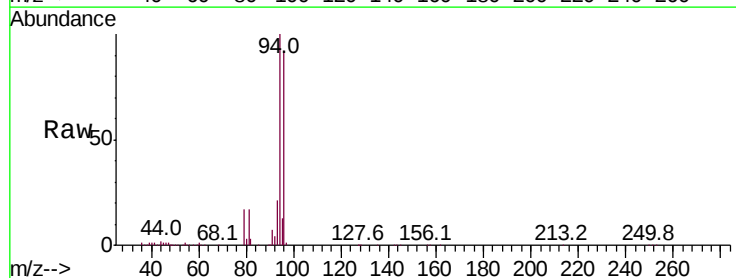
Acq: 7 May 2021 16:48

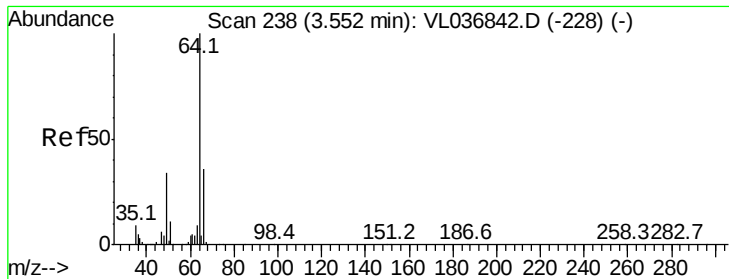
Tgt Ion: 94 Resp: 435655

Ion Ratio Lower Upper

94 100

96 91.9 75.4 113.0





#7

Chloroethane

Concen: 10.891 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 286695

Ion Ratio Lower Upper

64 100

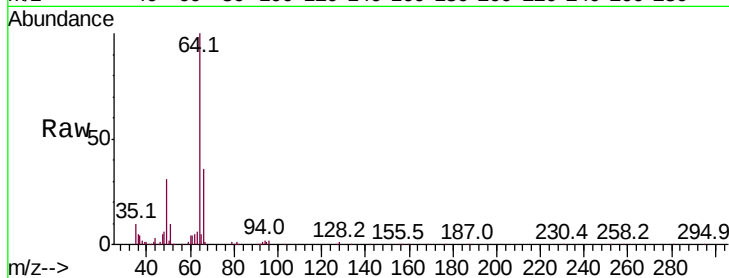
66 36.1 29.0 43.6

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

3.57

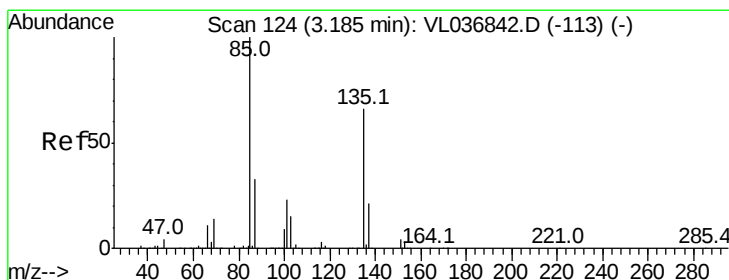
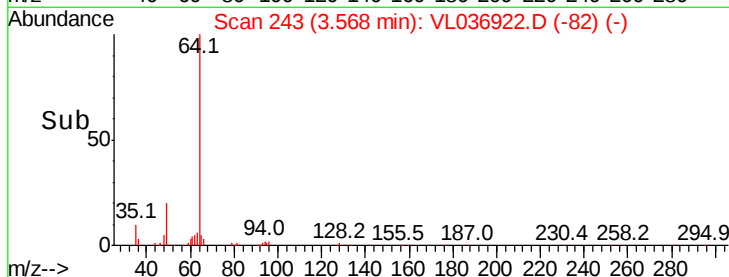
150000

100000

50000

0

Time--> 3.50 3.55 3.60



#8

Dichlorotetrafluoroethane

Concen: 10.409 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036922.D

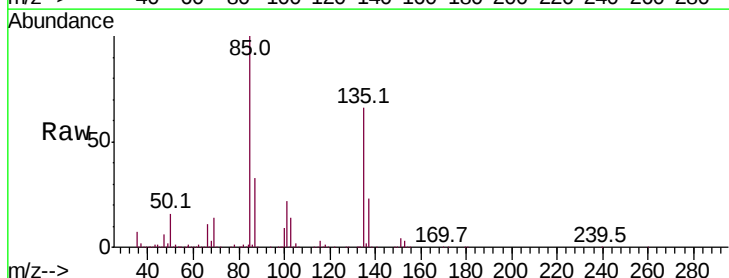
Acq: 7 May 2021 16:48

Tgt Ion: 85 Resp: 1983297

Ion Ratio Lower Upper

85 100

135 69.7 56.2 84.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

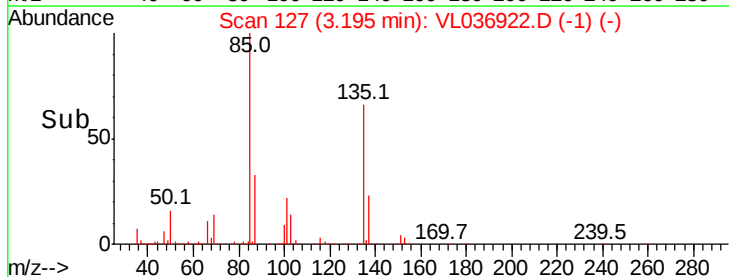
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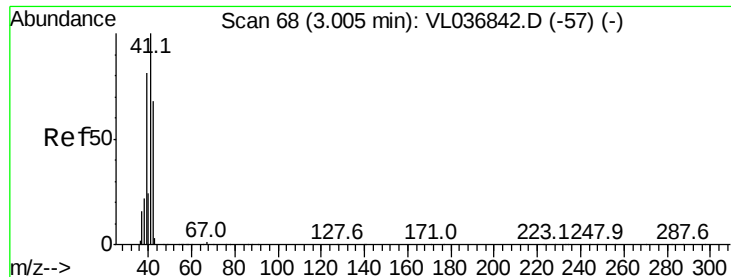
1000000

500000

0

Time--> 3.10 3.20 3.30





#9

Propene

Concen: 10.686 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 786791

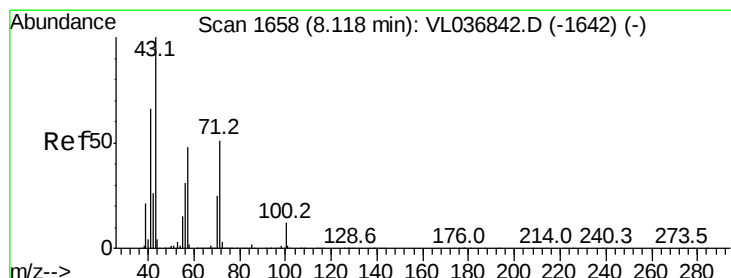
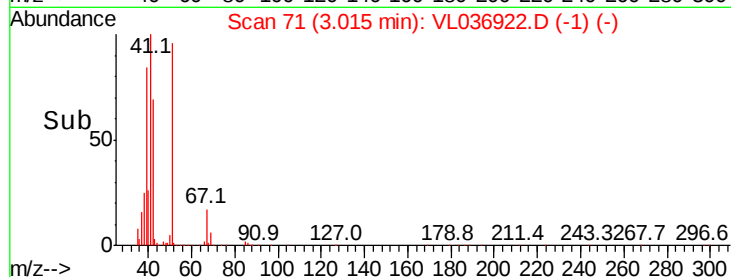
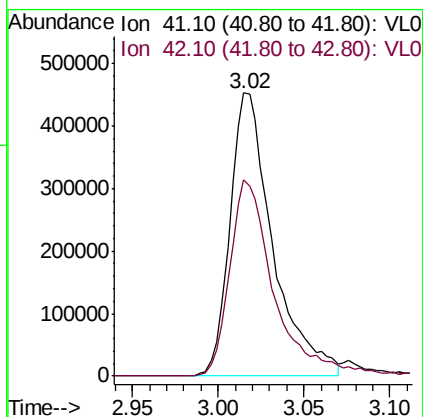
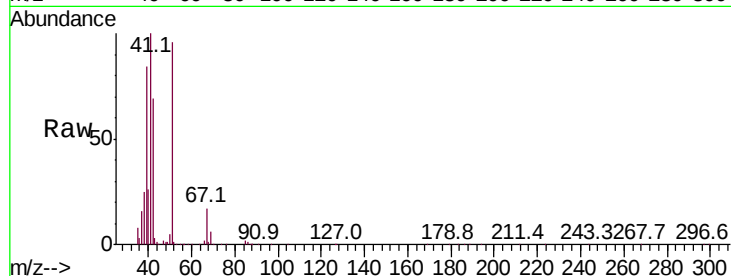
Ion Ratio Lower Upper

41 100

42 73.0 56.0 84.0

Manual Integrations
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#10

Heptane

Concen: 11.046 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.02 min

Lab File: VL036922.D

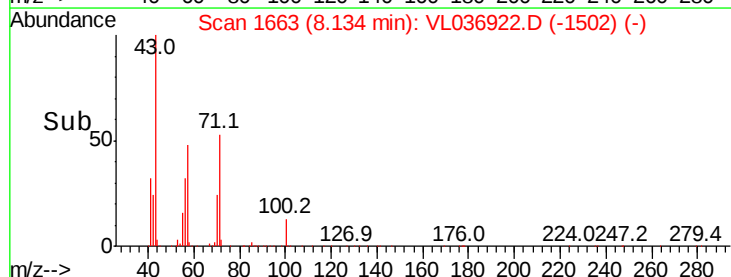
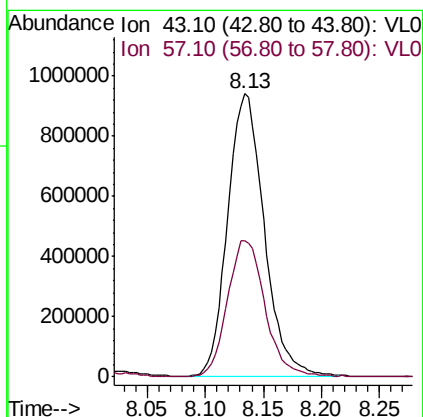
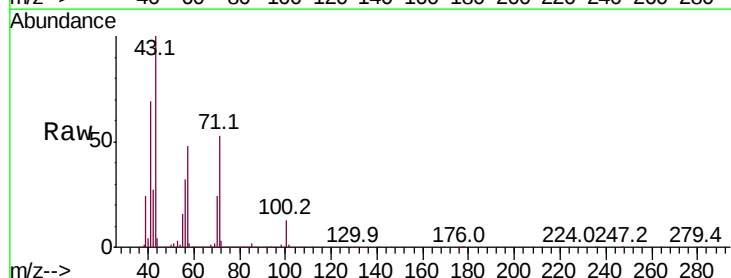
Acq: 7 May 2021 16:48

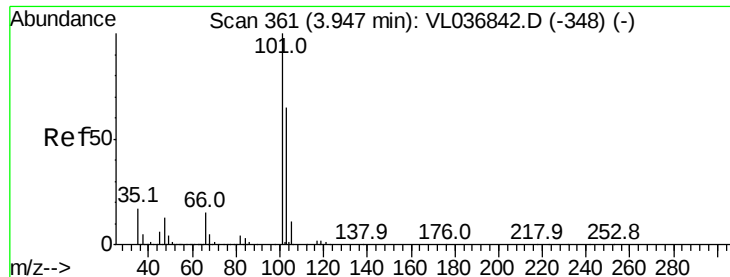
Tgt Ion: 43 Resp: 2045347

Ion Ratio Lower Upper

43 100

57 50.0 38.8 58.2





#11

Trichlorofluoromethane

Concen: 10.295 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 1919783

Ion Ratio Lower Upper

101 100

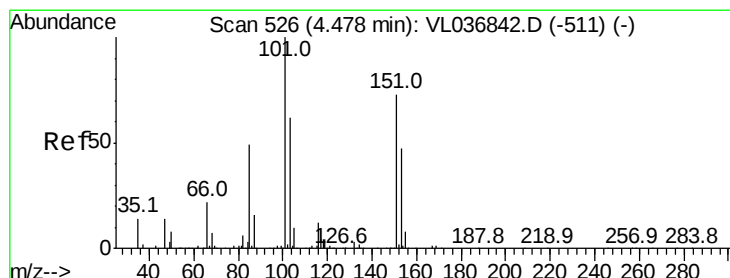
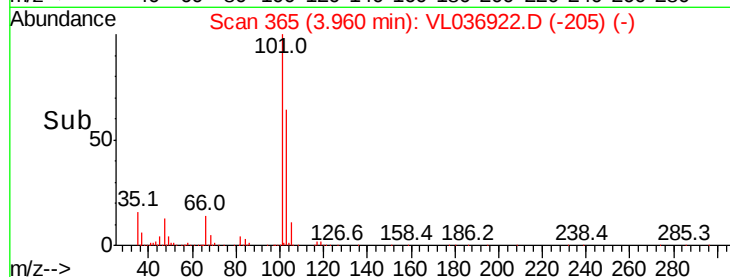
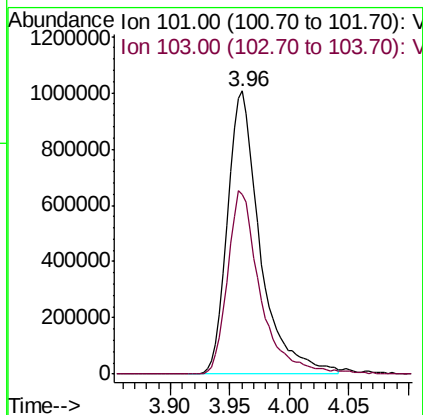
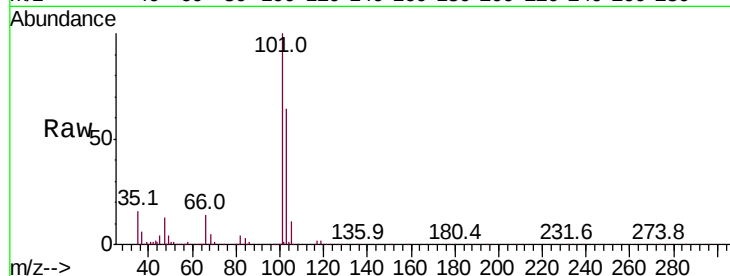
103 63.6 51.6 77.4

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.284 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.02 min

Lab File: VL036922.D

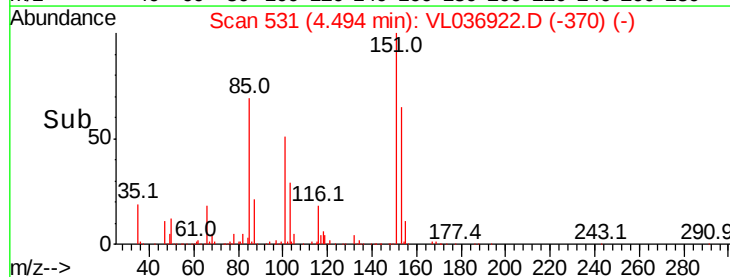
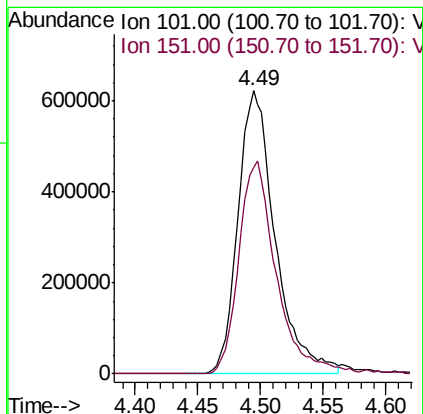
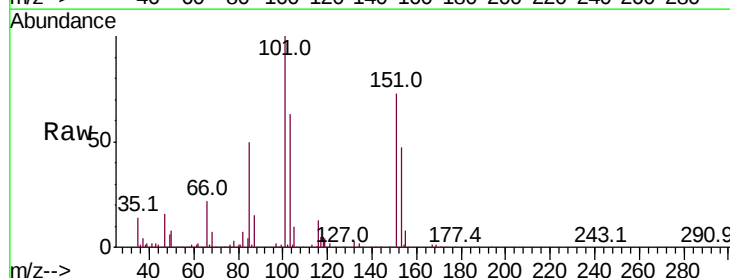
Acq: 7 May 2021 16:48

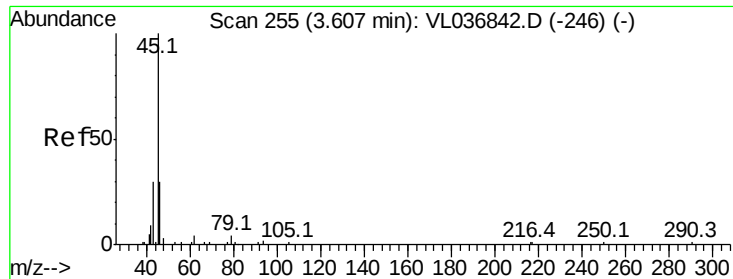
Tgt Ion:101 Resp: 1283478

Ion Ratio Lower Upper

101 100

151 76.7 61.1 91.7





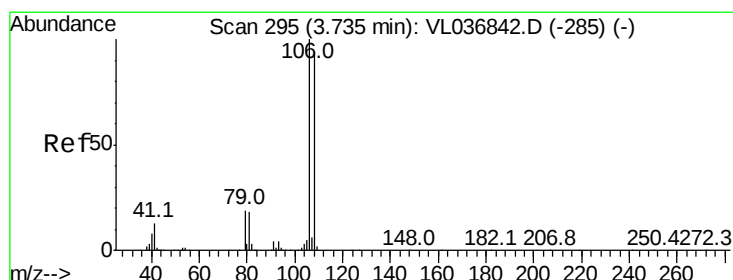
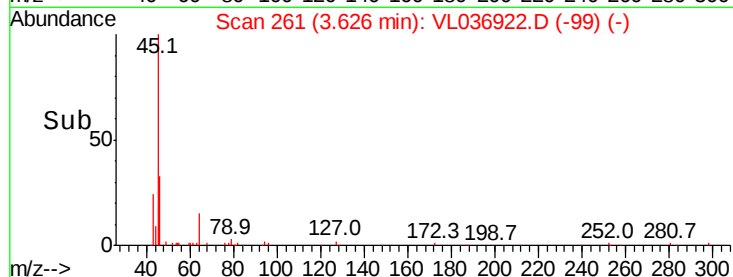
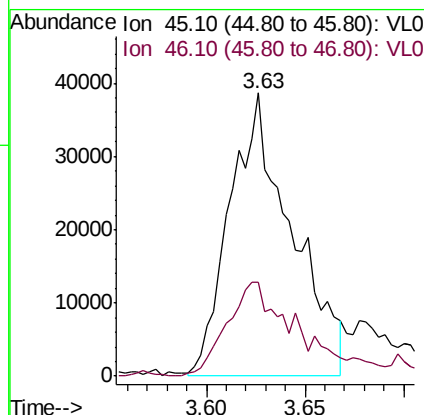
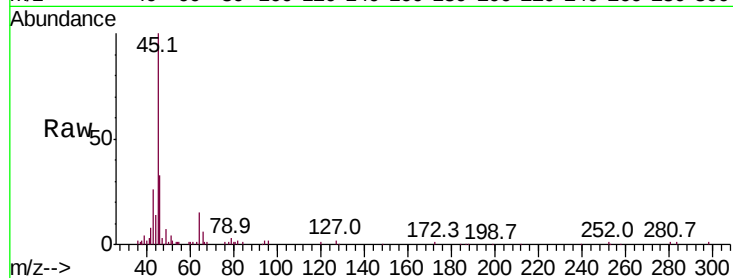
#13
Ethanol
Concen: 8.980 ppbv m
RT: 3.63 min Scan# 261
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 84313
Ion Ratio Lower Upper
45 100
46 42.4 16.8 67.4

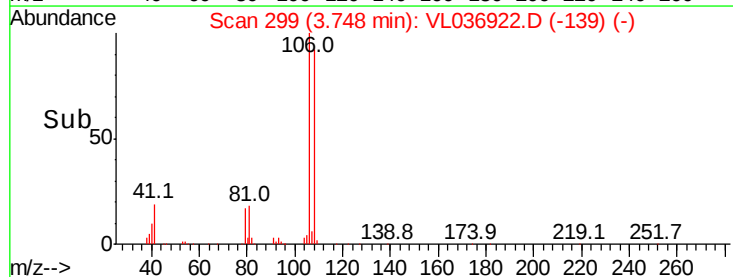
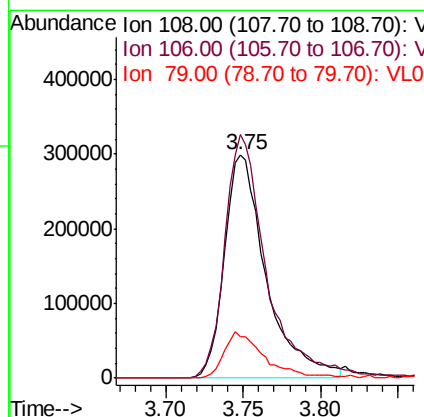
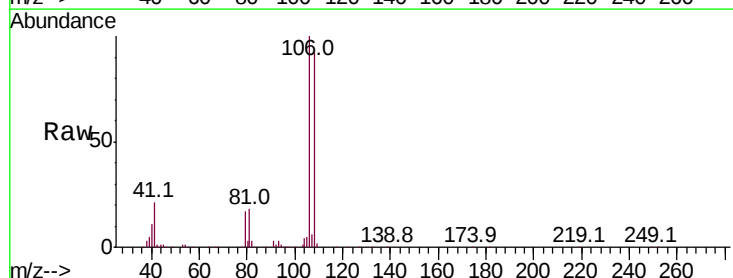
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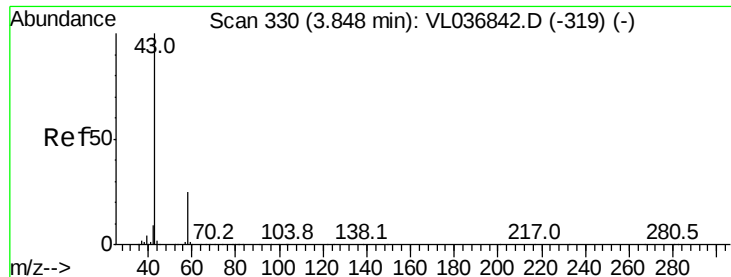
MMDadoda
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#14
Bromoethene
Concen: 10.963 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion: 108 Resp: 558979
Ion Ratio Lower Upper
108 100
106 111.6 88.5 132.7
79 20.8 17.9 26.9





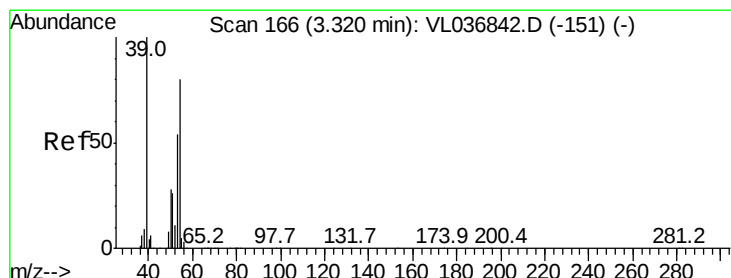
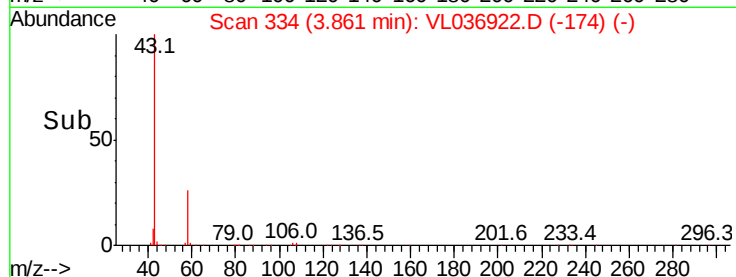
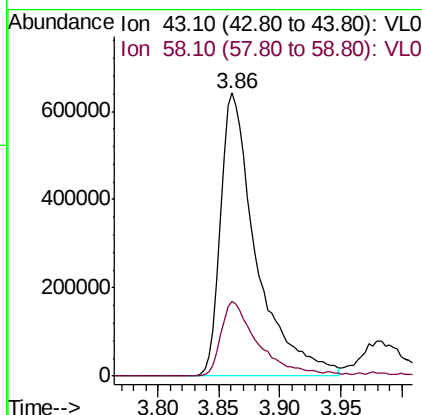
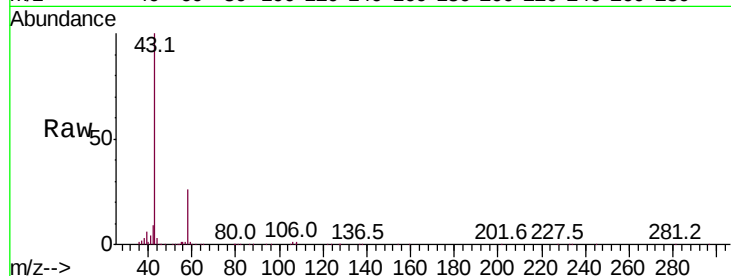
#15
Acetone
Concen: 10.542 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1318015
Ion Ratio Lower Upper
43 100
58 28.0 21.7 32.5

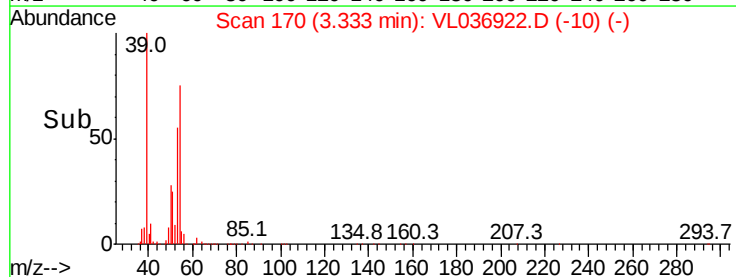
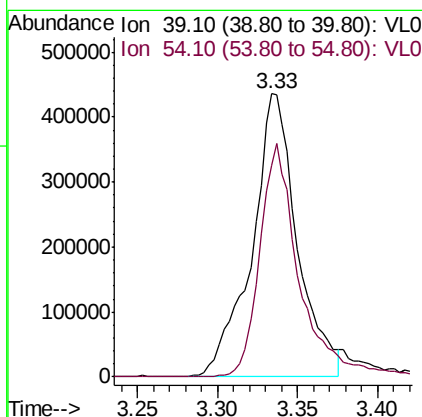
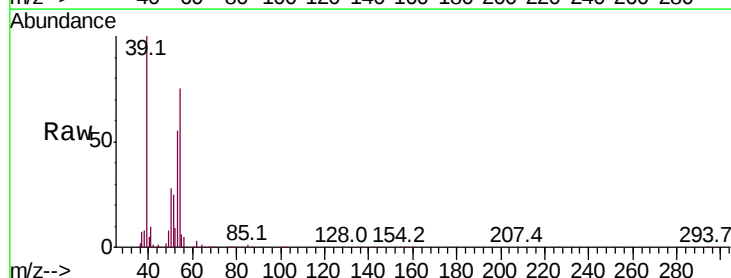
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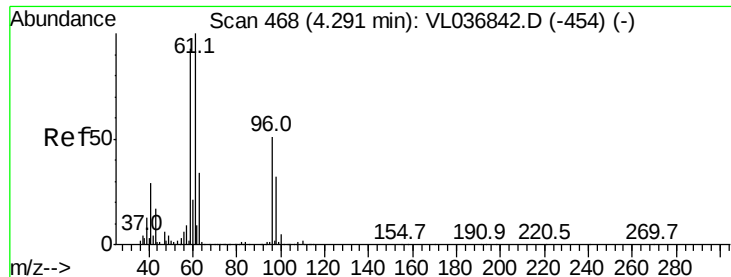
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#16
1,3-Butadiene
Concen: 10.675 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion: 39 Resp: 853447
Ion Ratio Lower Upper
39 100
54 73.6 59.6 89.4





#17

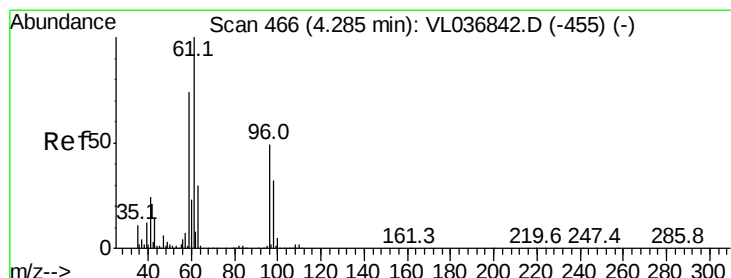
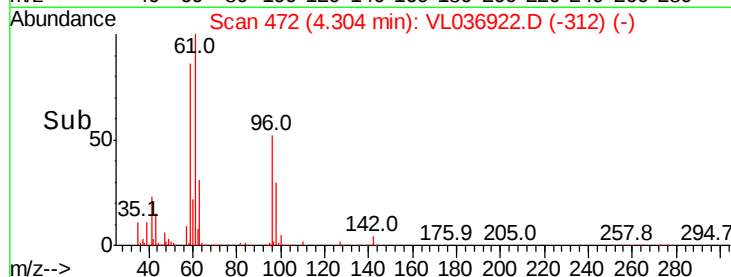
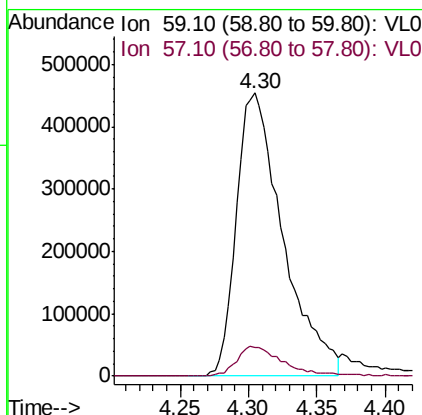
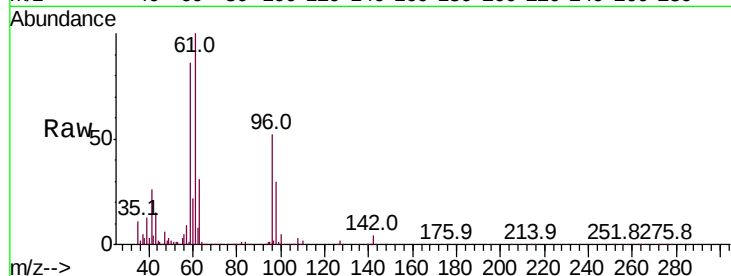
tert-Butyl alcohol
Concen: 10.606 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1076353
Ion Ratio Lower Upper
59 100
57 10.9 8.3 12.5

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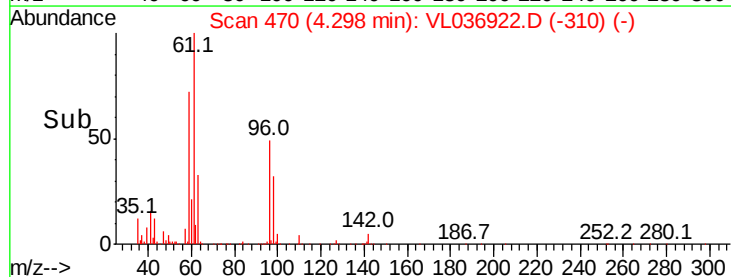
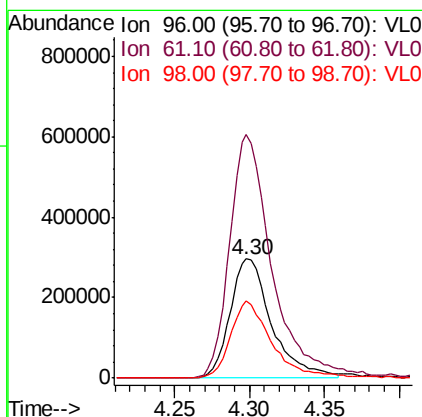
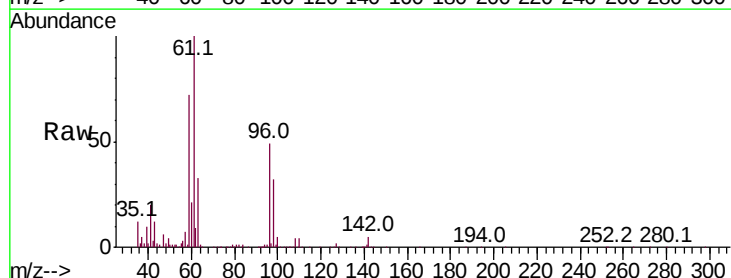
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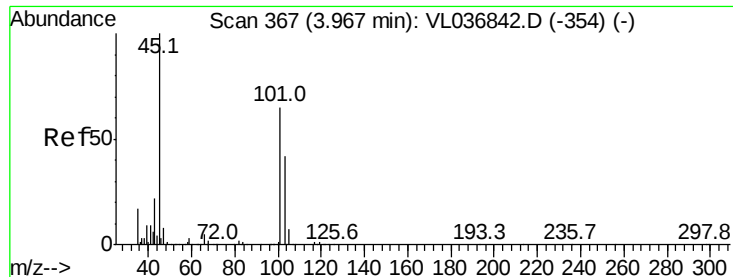


#18

1,1-Dichloroethene
Concen: 10.552 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion: 96 Resp: 572341
Ion Ratio Lower Upper
96 100
61 203.9 162.2 243.2
98 64.4 51.8 77.6





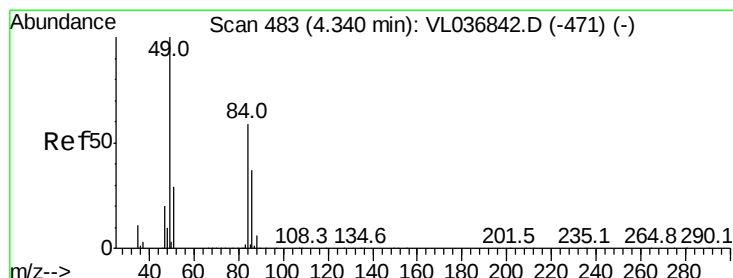
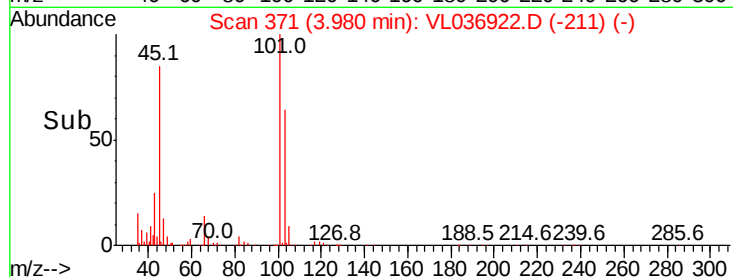
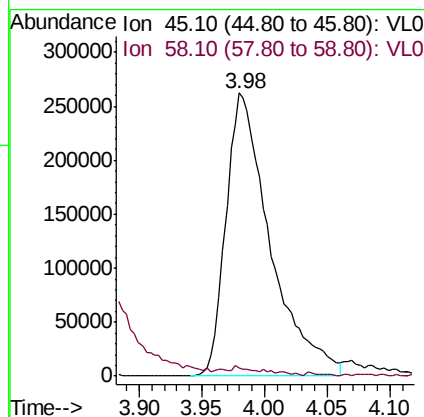
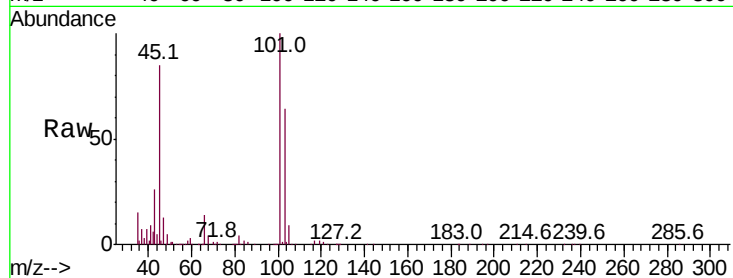
#19
Isopropyl Alcohol
Concen: 10.281 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.8	2.8	4.2#

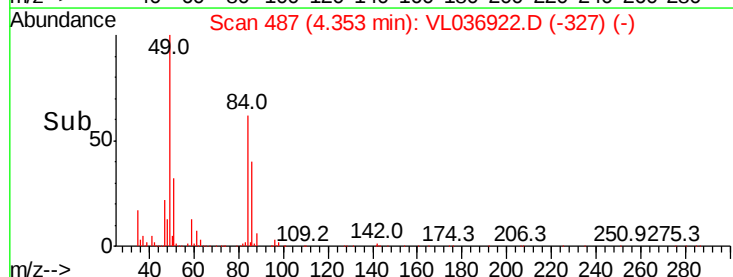
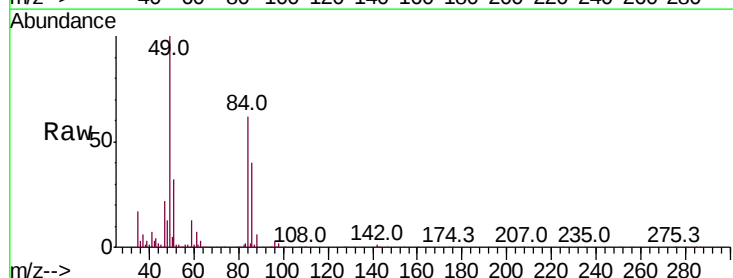
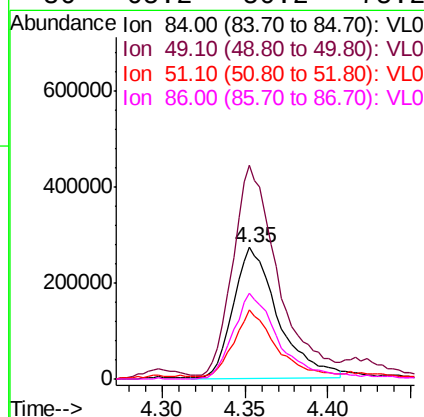
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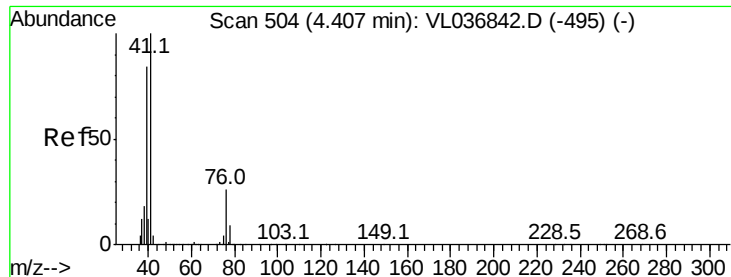
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#20
Methylene Chloride
Concen: 8.572 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	160.8	135.4	203.0
51	50.7	39.3	58.9
86	65.2	50.2	75.2





#21

Allvl Chloride

Concen: 10.173 ppbv

RT: 4.42 min Scan# 508

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

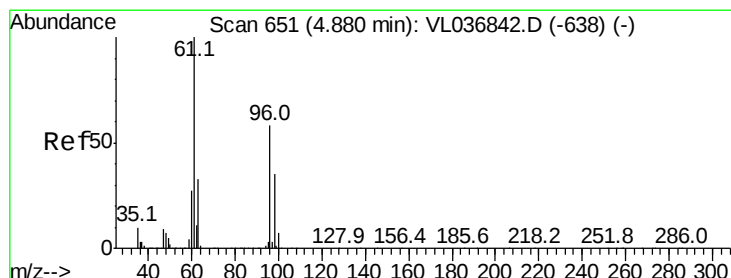
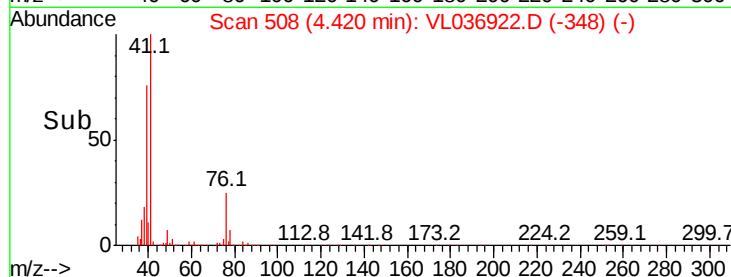
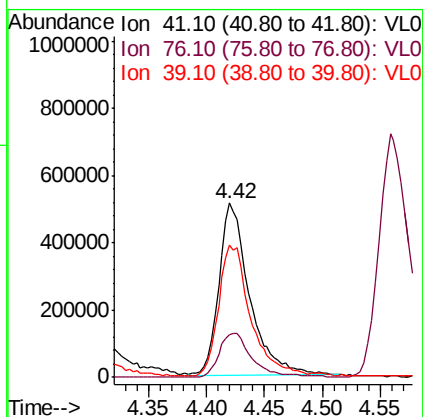
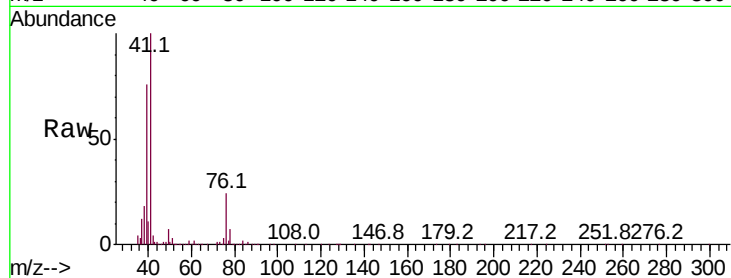
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	945063
Ion Ratio	Lower	Upper	
41	100		
76	27.6	22.4	33.6
39	81.4	68.4	102.6

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#22

trans-1,2-Dichloroethene

Concen: 10.140 ppbv

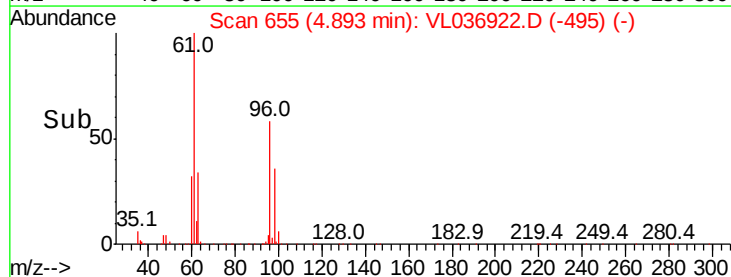
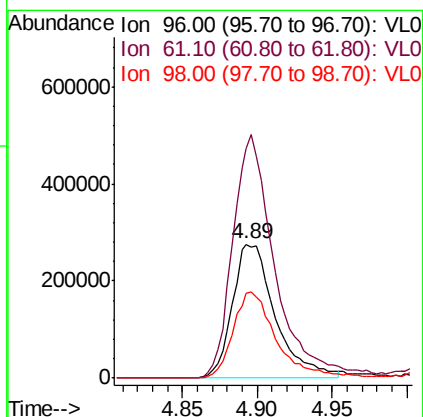
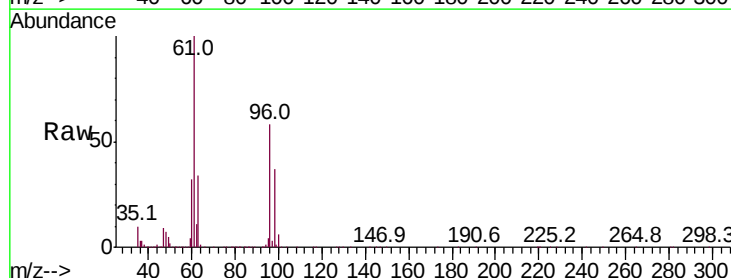
RT: 4.89 min Scan# 655

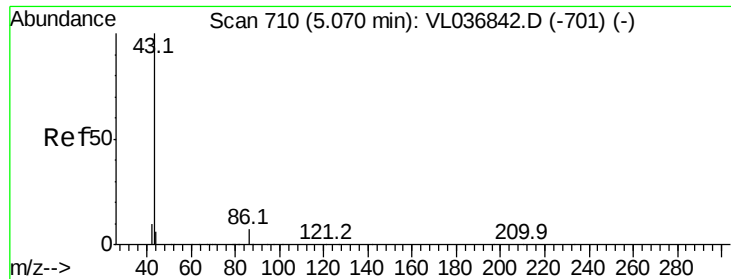
Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Tgt Ion:	96	Resp:	551918
Ion Ratio	Lower	Upper	
96	100		
61	171.6	138.6	207.8
98	63.0	48.1	72.1





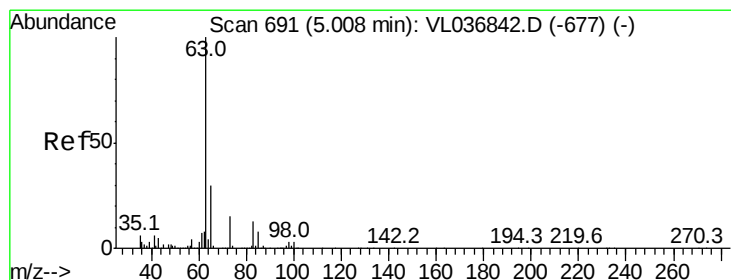
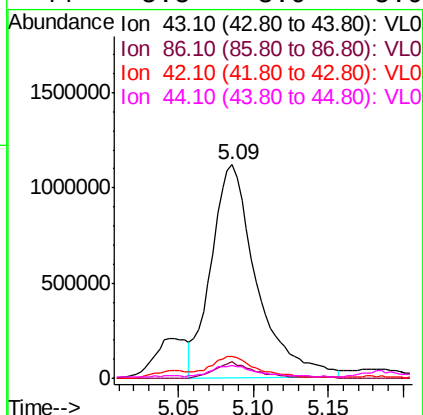
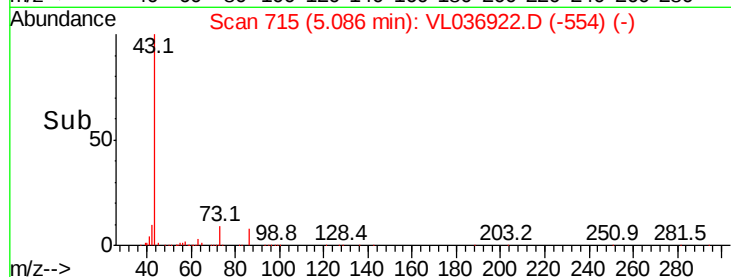
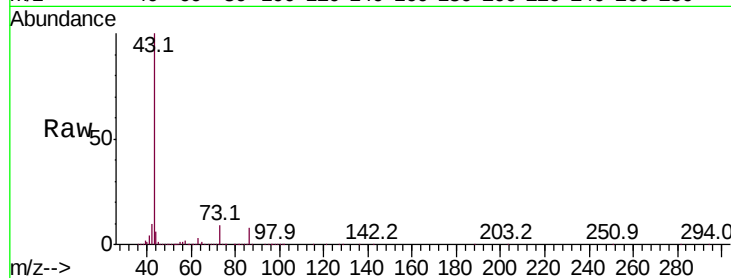
#23
 Vinyl Acetate
 Concen: 13.842 ppbv
 RT: 5.09 min Scan# 715
 Delta R.T. 0.02 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	43	Resp	2354082
Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.3	7.9
42	9.9	8.7	13.1
44	5.5	3.9	5.9

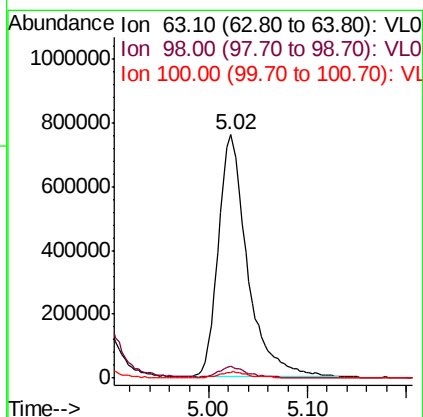
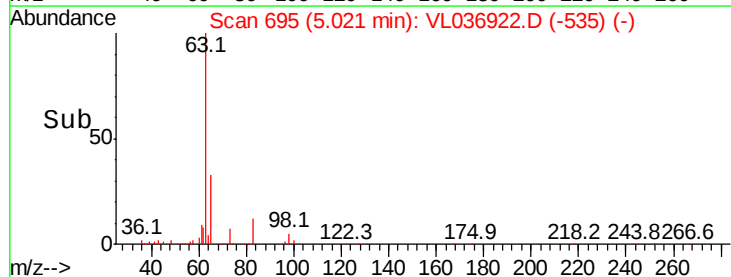
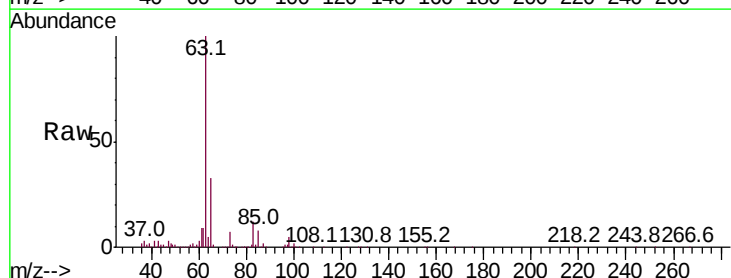
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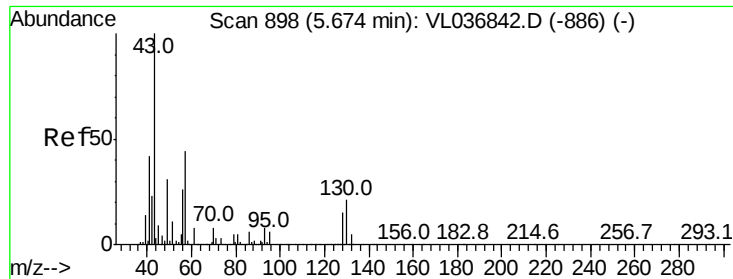
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#24
 1,1-Dichloroethane
 Concen: 13.060 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Tgt Ion	63	Resp	1576681
Ion	Ratio	Lower	Upper
63	100		
98	4.8	1.7	5.1
100	2.5	1.3	3.8





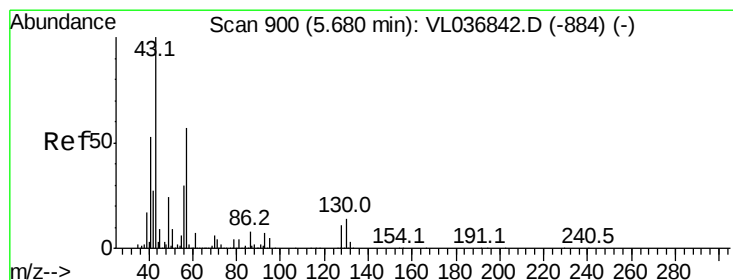
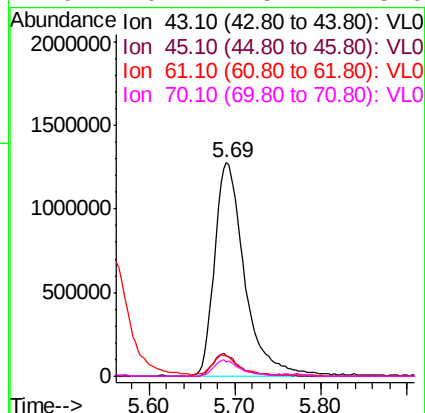
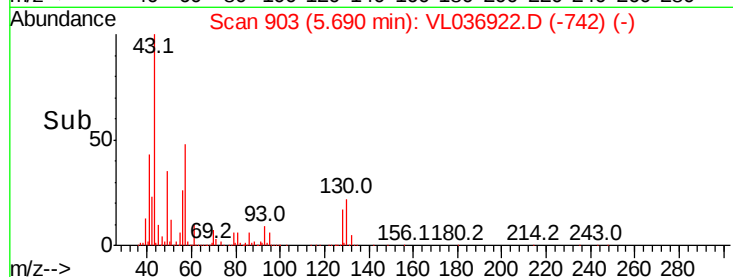
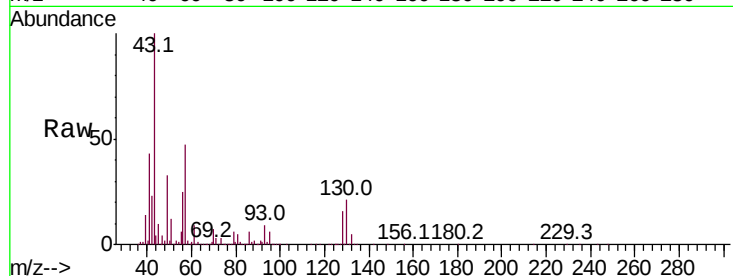
#25
Ethyl Acetate
Concen: 10.131 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	3093900
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	9.7	7.4	11.0
70	6.7	5.4	8.0

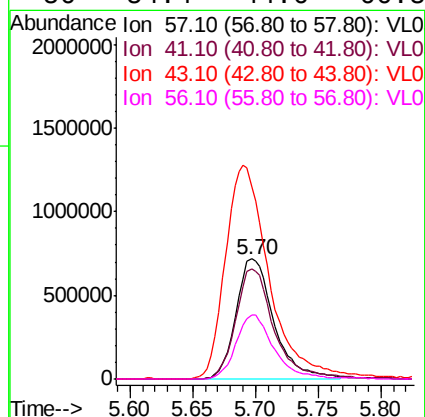
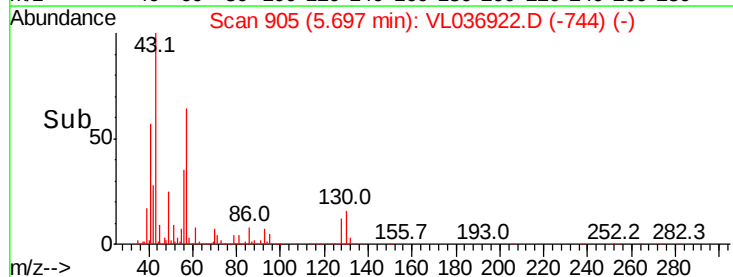
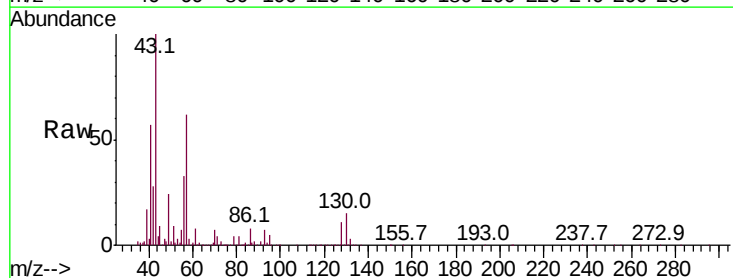
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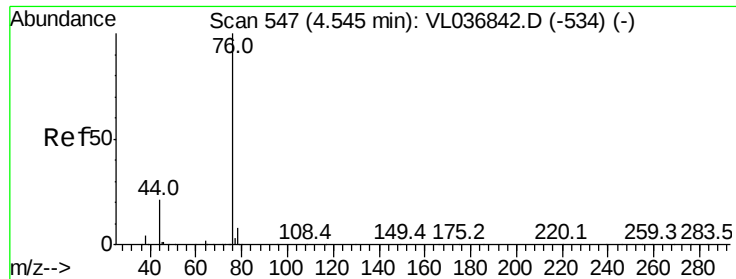
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#26
Hexane
Concen: 10.546 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion	57	Resp	1506833
Ion	Ratio	Lower	Upper
57	100		
41	94.0	77.7	116.5
43	208.1	180.5	270.7
56	54.4	44.6	66.8





#27

Carbon Disulfide

Concen: 11.456 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1421774

Ion Ratio Lower Upper

76 100

44 22.2 16.9 25.3

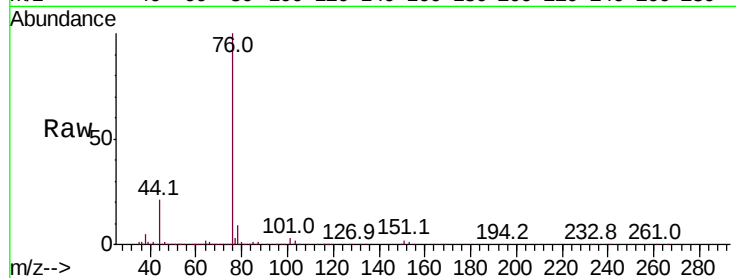
78 10.1 7.9 11.9

Manual Integrations

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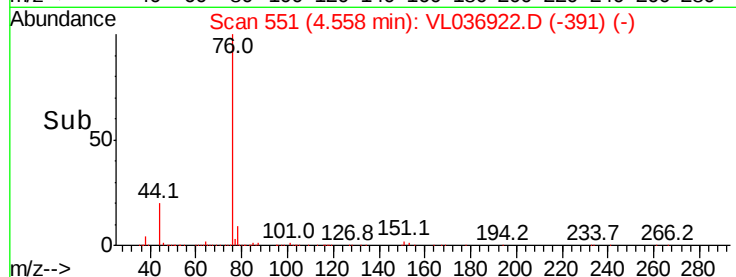
Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

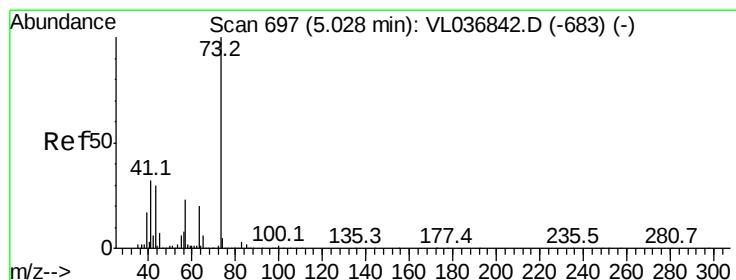
Ion 78.00 (77.70 to 78.70): VL0

4.56

Time-->



Time-->



#28

Methyl tert-Butyl Ether

Concen: 12.872 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.02 min

Lab File: VL036922.D

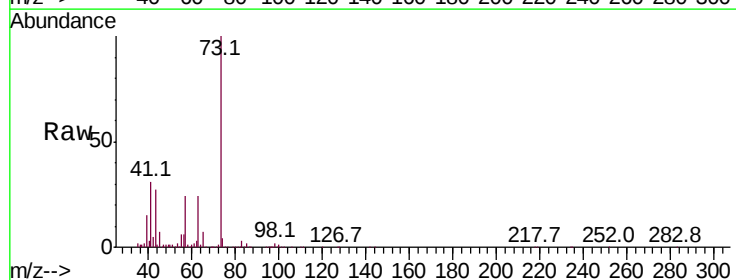
Acq: 7 May 2021 16:48

Tgt Ion: 73 Resp: 1630216

Ion Ratio Lower Upper

73 100

57 23.9 19.0 28.6

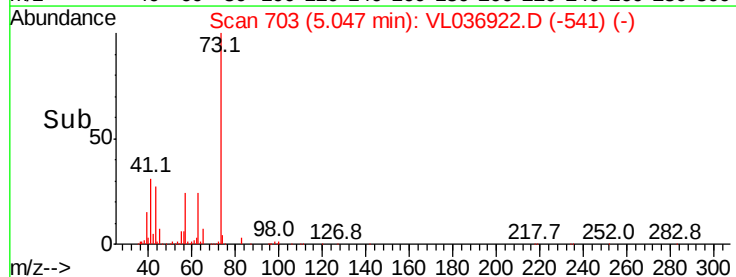


Abundance Ion 73.10 (72.80 to 73.80): VL0

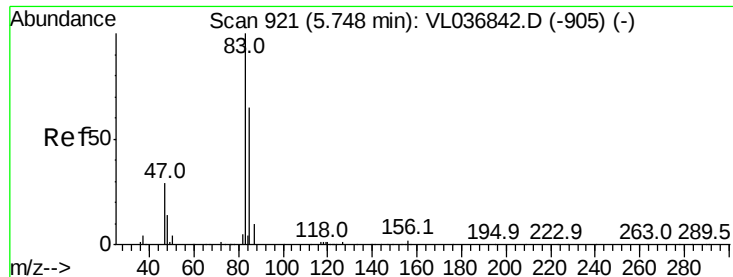
Ion 57.10 (56.80 to 57.80): VL0

5.05

Time-->



Time-->



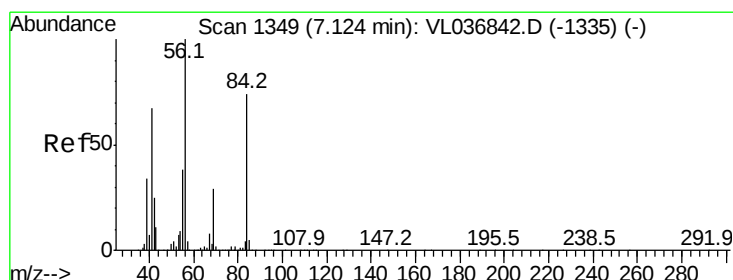
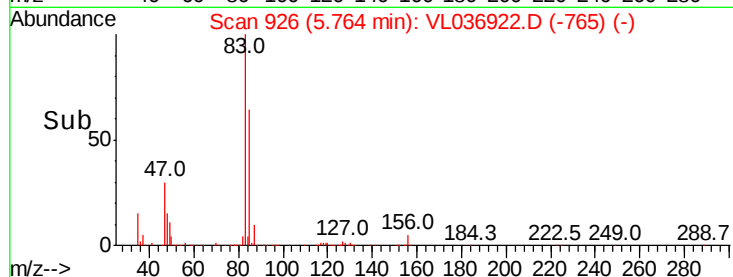
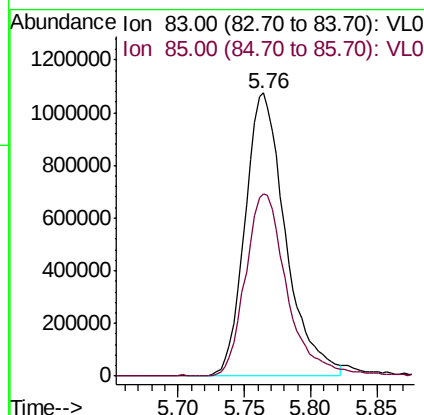
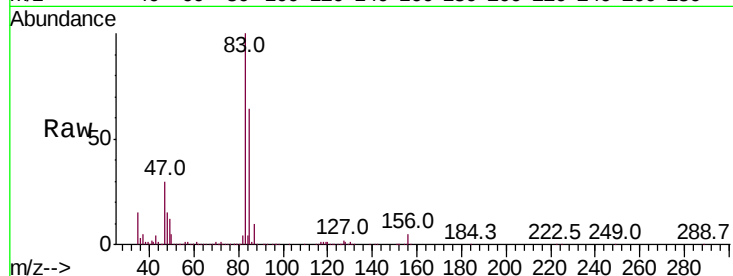
#29
Chloroform
Concen: 10.268 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2287321
Ion Ratio Lower Upper
83 100
85 64.1 52.2 78.4

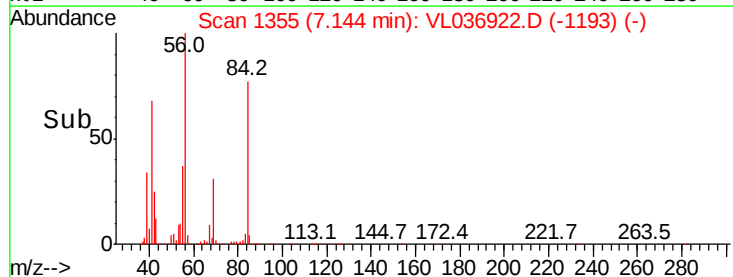
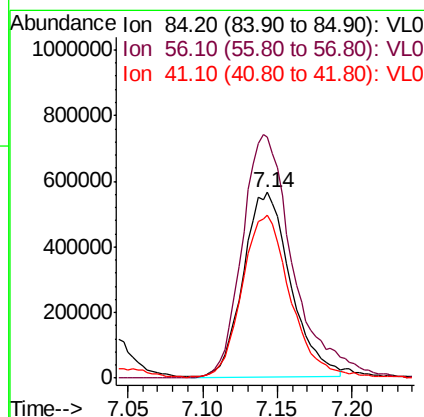
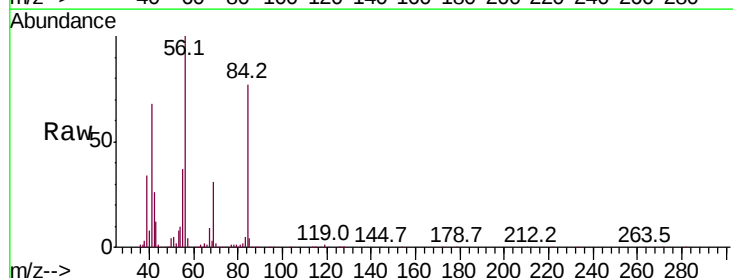
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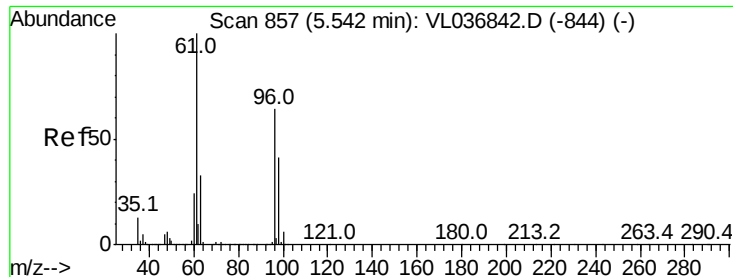
MMDadoda
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#30
Cyclohexane
Concen: 10.945 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion: 84 Resp: 1240138
Ion Ratio Lower Upper
84 100
56 143.6 115.8 173.6
41 89.8 74.6 111.8





#31

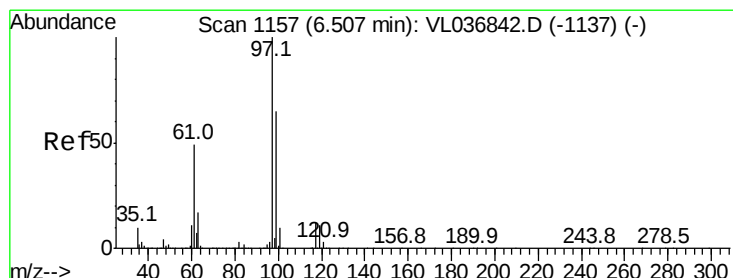
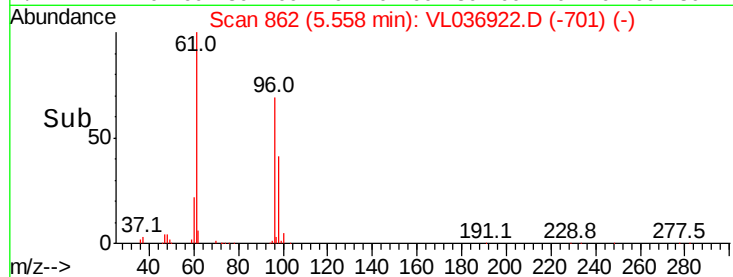
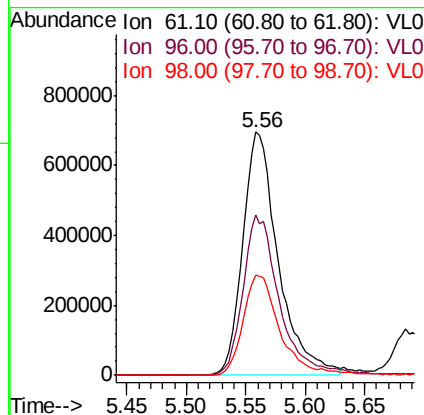
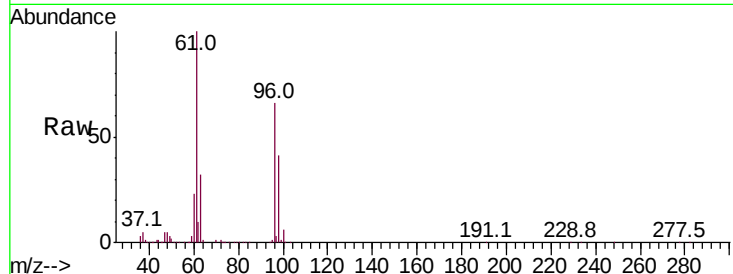
cis-1,2-Dichloroethene
Concen: 11.215 ppbv
RT: 5.56 min Scan# 862
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.9	51.0	76.6
98	41.3	32.7	49.1

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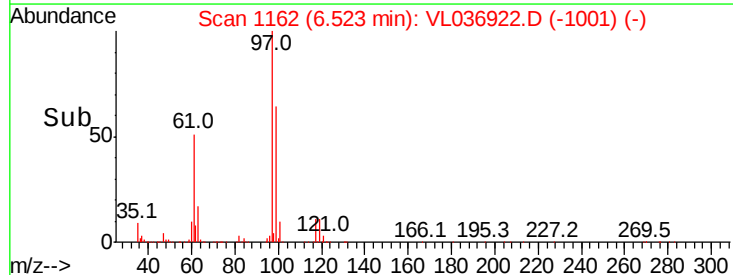
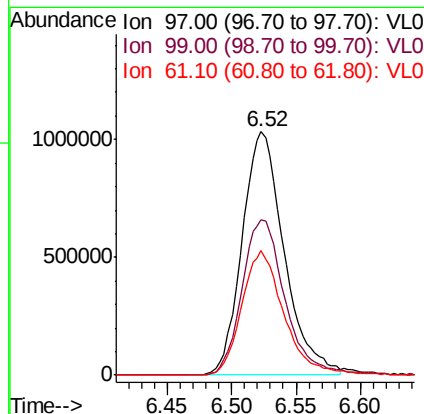
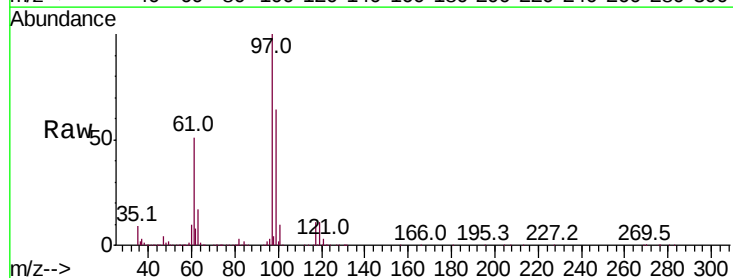
MMDadoda
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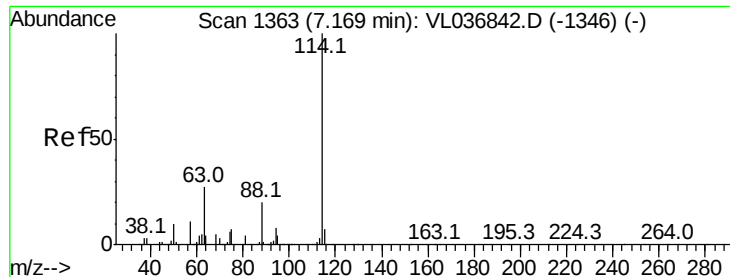


#32

1,1,1-Trichloroethane
Concen: 10.353 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.8	77.6
61	51.3	40.8	61.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:114 Resp: 3428571

Ion Ratio Lower Upper

114 100

63 26.8 21.9 32.9

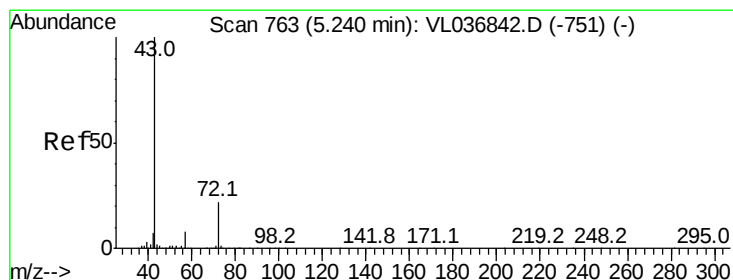
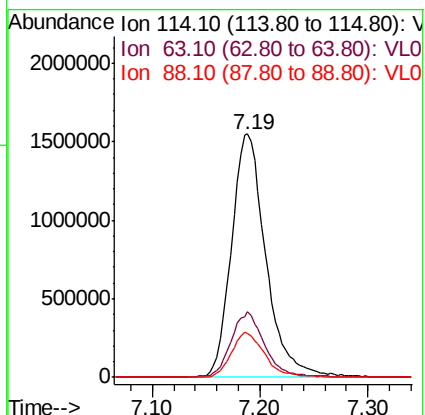
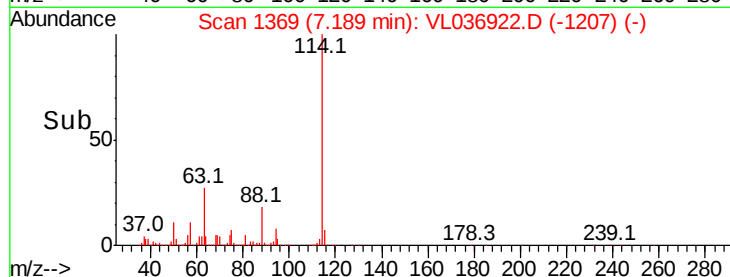
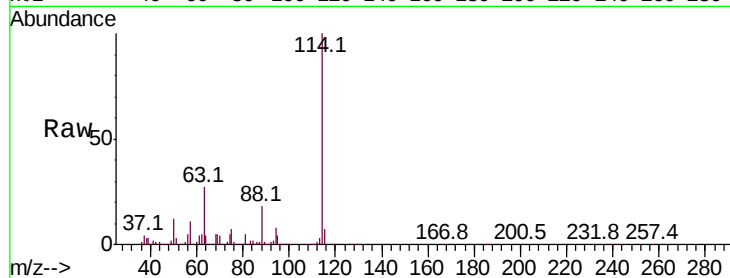
88 18.2 15.1 22.7

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#34

2-Butanone

Concen: 9.946 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.02 min

Lab File: VL036922.D

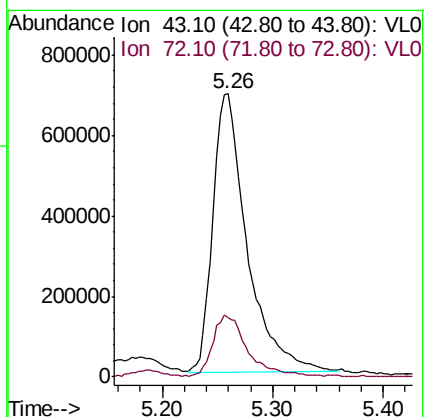
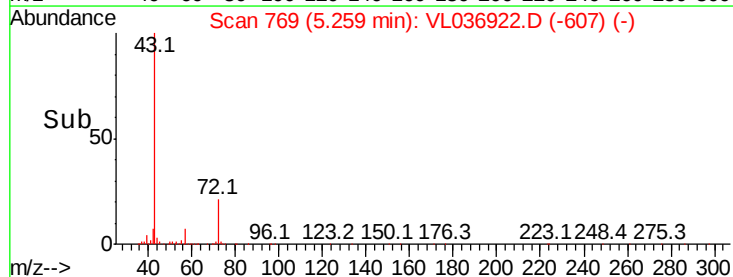
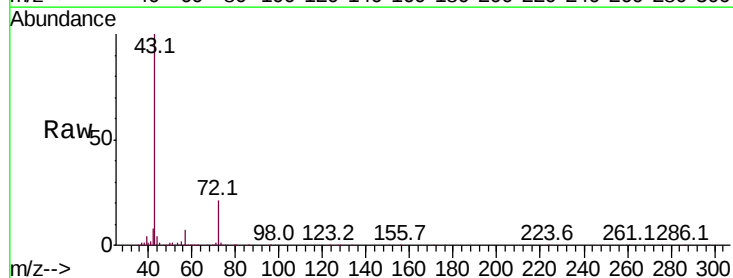
Acq: 7 May 2021 16:48

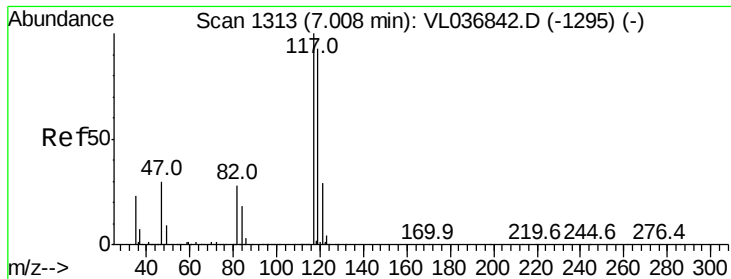
Tgt Ion: 43 Resp: 1493822

Ion Ratio Lower Upper

43 100

72 22.7 17.6 26.4





#35

Carbon Tetrachloride

Concen: 10.640 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2475305

Ion Ratio Lower Upper

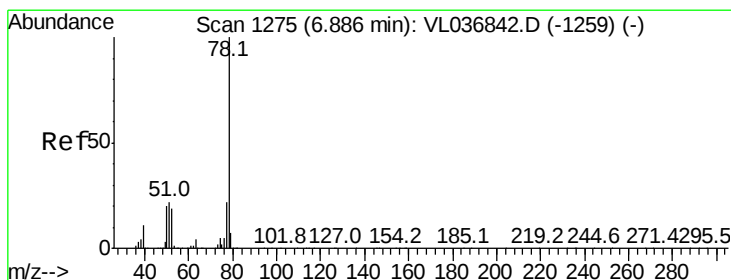
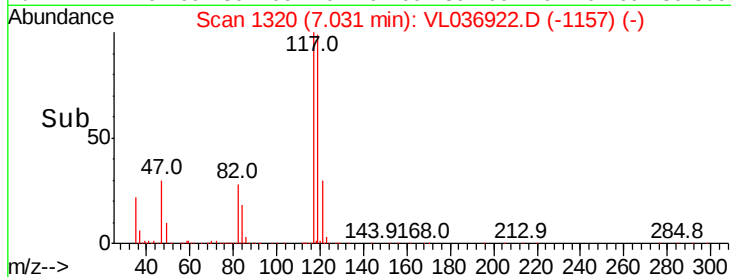
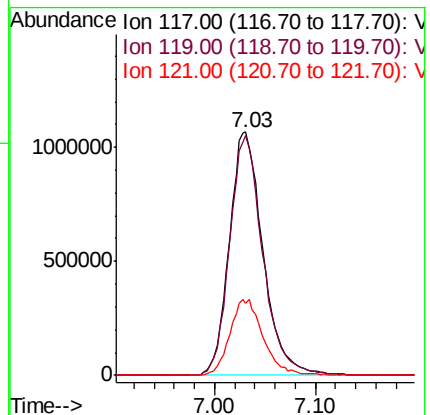
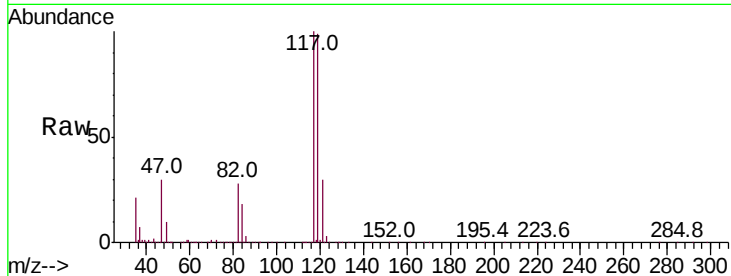
117 100

119 98.4 74.6 111.8

121 29.8 23.3 34.9

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#36

Benzene

Concen: 10.807 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

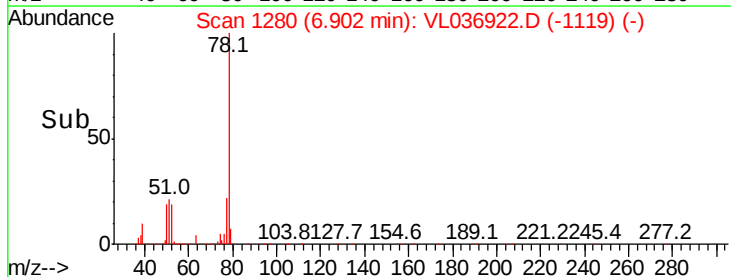
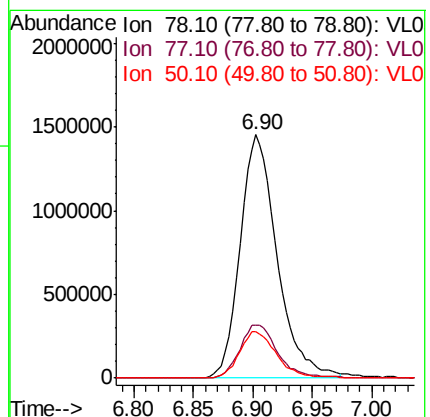
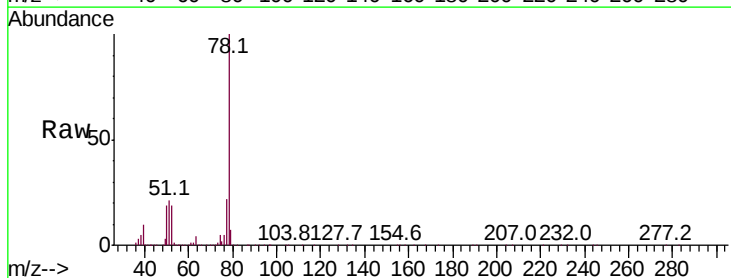
Tgt Ion: 78 Resp: 3121732

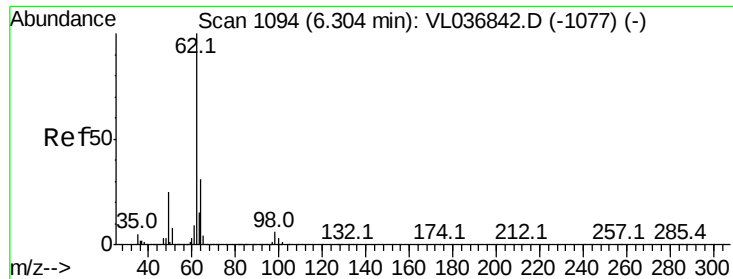
Ion Ratio Lower Upper

78 100

77 21.9 17.6 26.4

50 19.1 16.3 24.5





#37

1,2-Dichloroethane

Concen: 10.788 ppbv

RT: 6.32 min Scan# 1099

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :
MSVOA_L

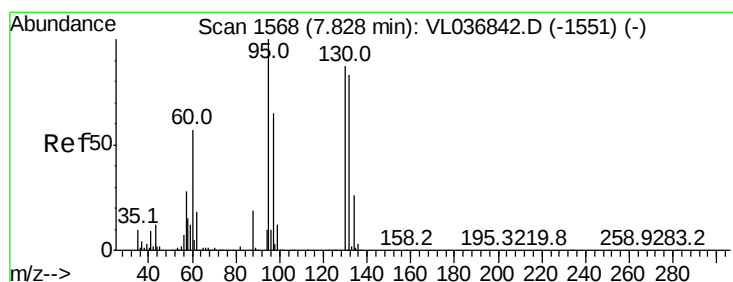
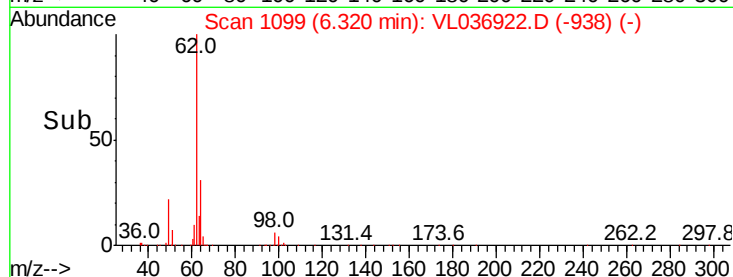
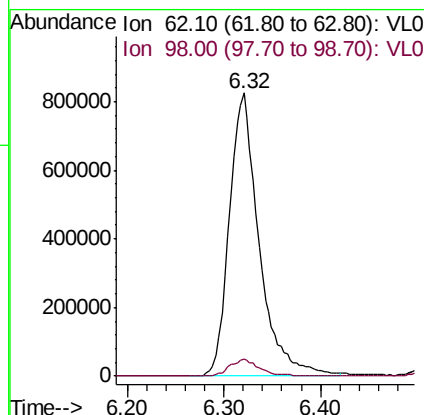
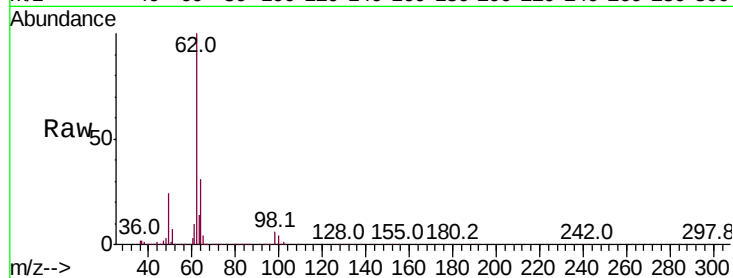
ClientSampleId :
VSTDCCC010EC

Tot Ion: 62 Resp: 1764698

Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.8	7.2

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#38

Trichloroethene

Concen: 11.188 ppbv

RT: 7.84 min Scan# 1573

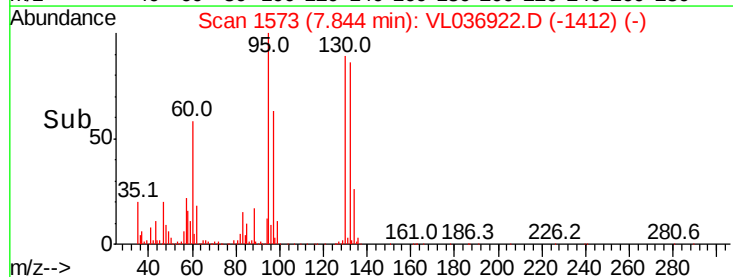
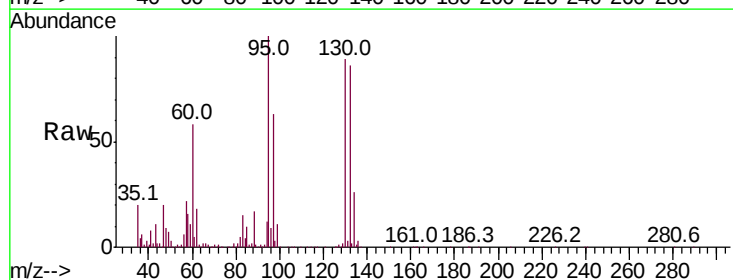
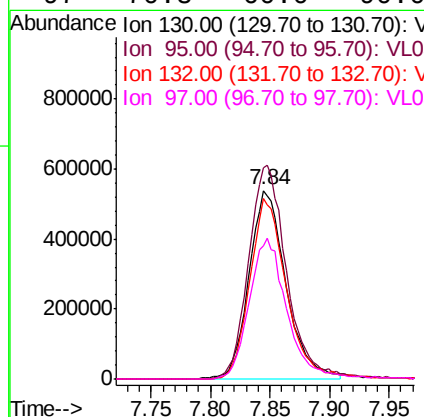
Delta R.T. 0.02 min

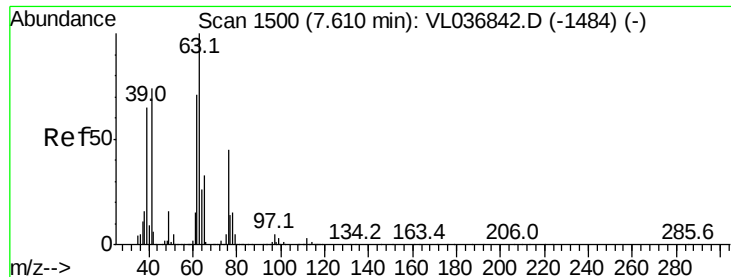
Lab File: VL036922.D

Acq: 7 May 2021 16:48

Tgt Ion: 130 Resp: 1150741

Ion	Ratio	Lower	Upper
130	100		
95	111.9	92.3	138.5
132	95.8	76.8	115.2
97	70.8	60.0	90.0





#39

1,2-Dichloropropane

Concen: 10.606 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1227409

Ion Ratio Lower Upper

63 100

41 73.7 59.1 88.7

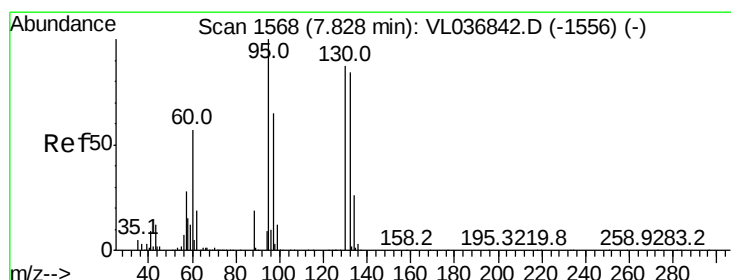
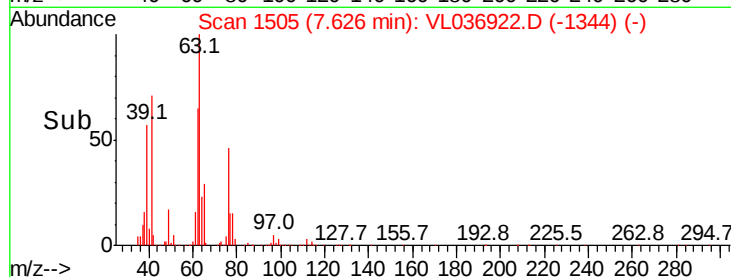
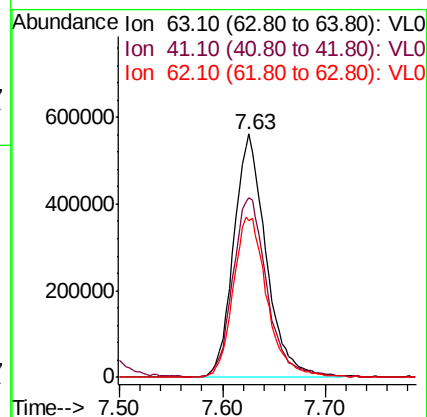
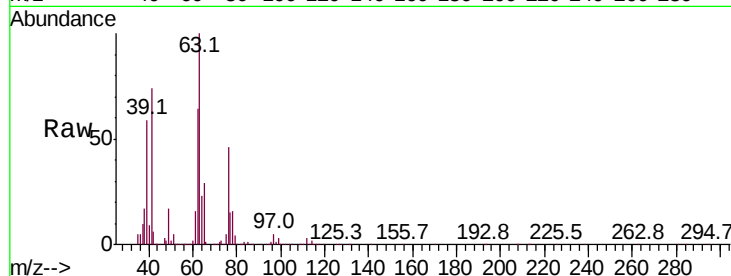
62 64.3 56.9 85.3

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#40

1,4-Dioxane

Concen: 10.796 ppbv m

RT: 7.85 min Scan# 1575

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Tgt Ion: 88 Resp: 301697

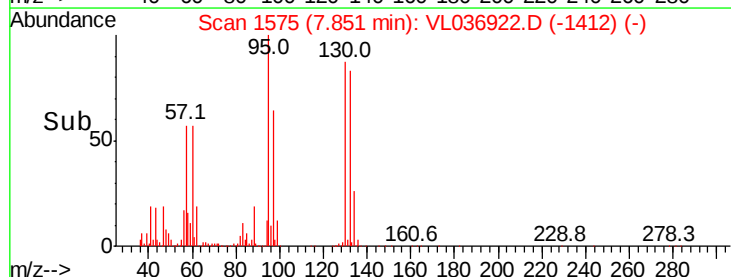
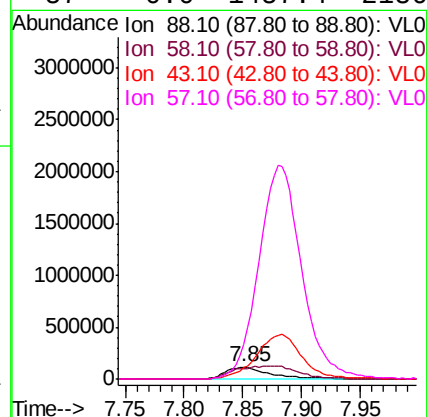
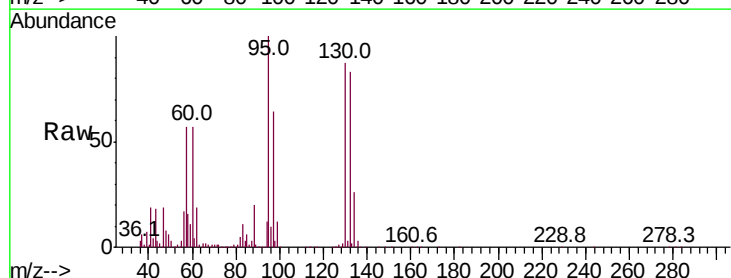
Ion Ratio Lower Upper

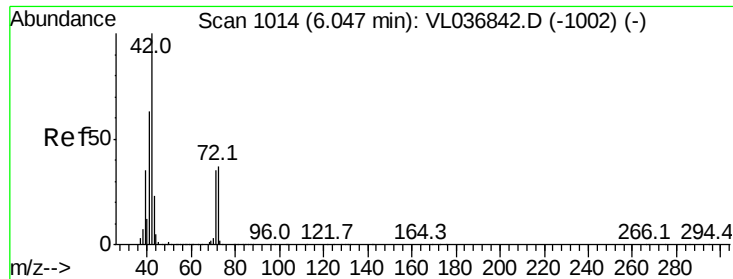
88 100

58 0.0 132.6 198.8#

43 0.0 331.5 497.3#

57 0.0 1457.4 2186.0#





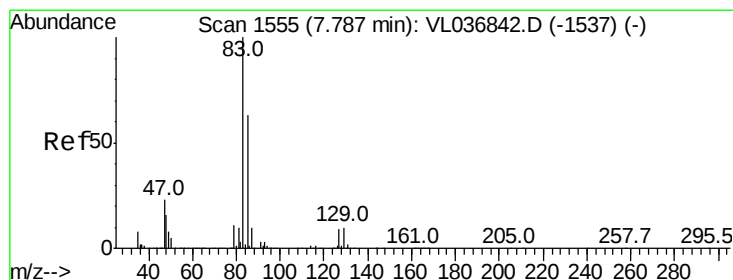
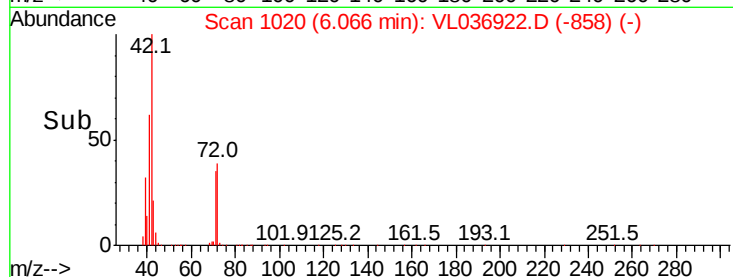
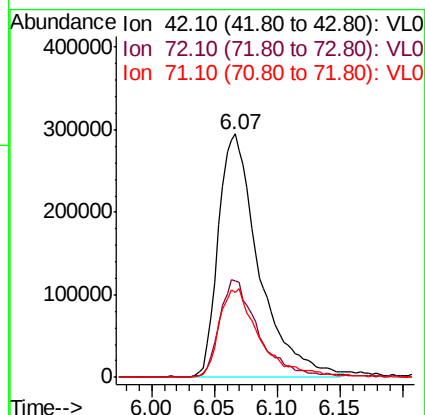
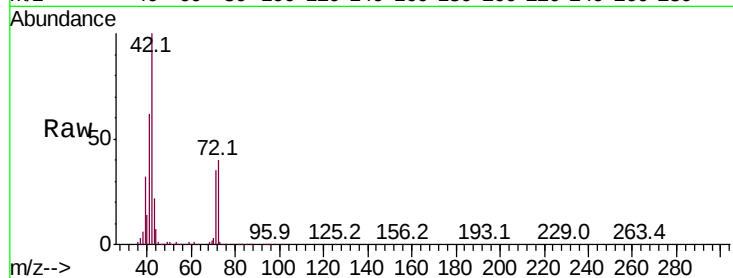
#41
Tetrahydrofuran
Concen: 9.985 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	29.7	44.5
71	37.4	29.0	43.6

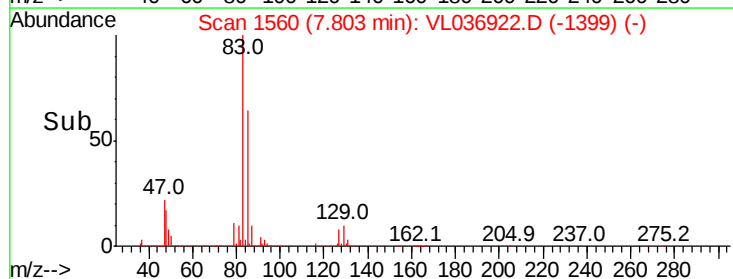
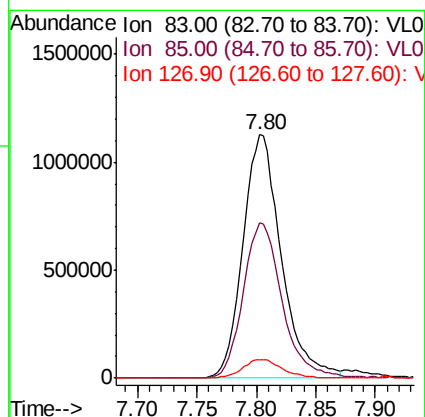
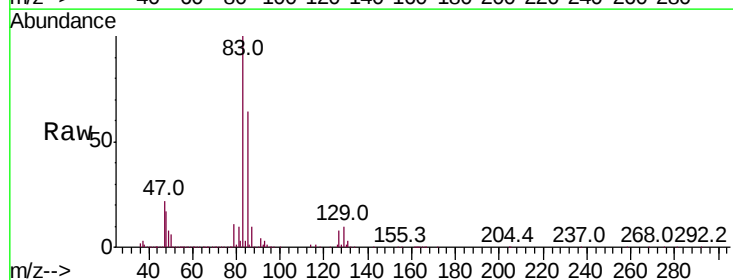
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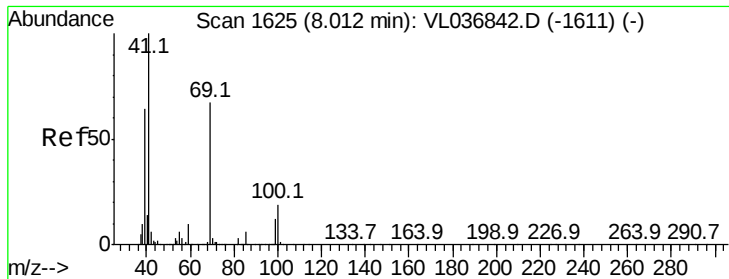
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#42
Bromodichloromethane
Concen: 11.085 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.4	75.6
127	7.5	6.9	10.3





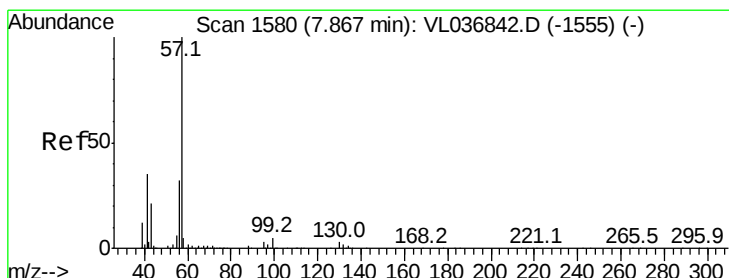
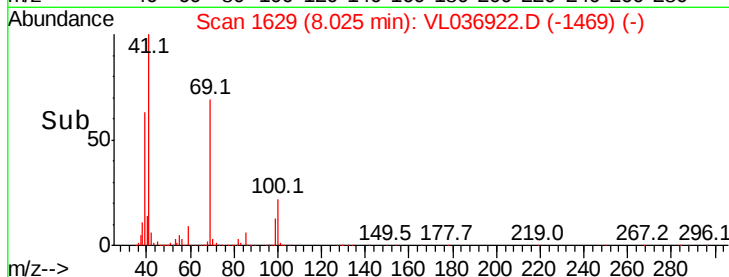
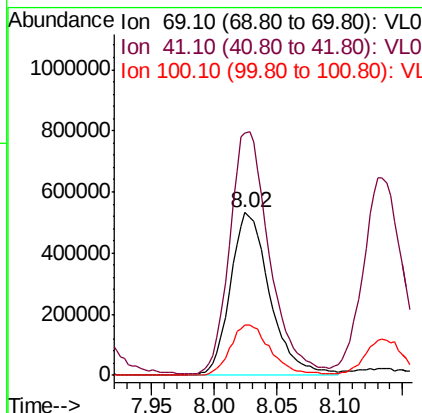
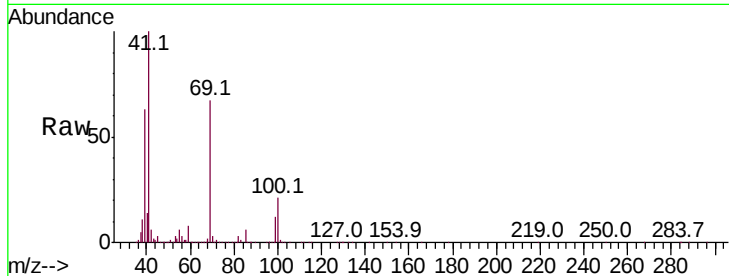
#43
Methvl Methacrylate
Concen: 12.331 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1162283
Ion Ratio Lower Upper
69 100
41 151.2 124.2 186.4
100 31.7 25.5 38.3

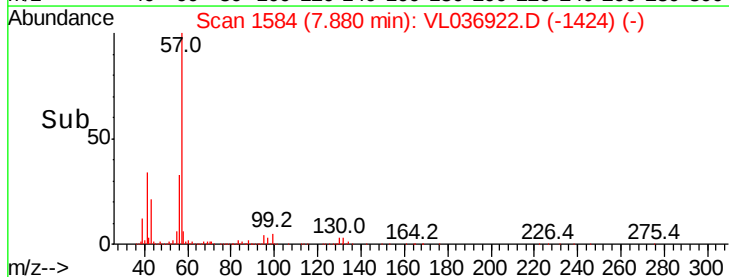
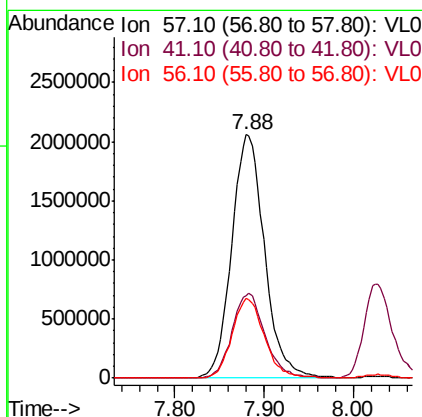
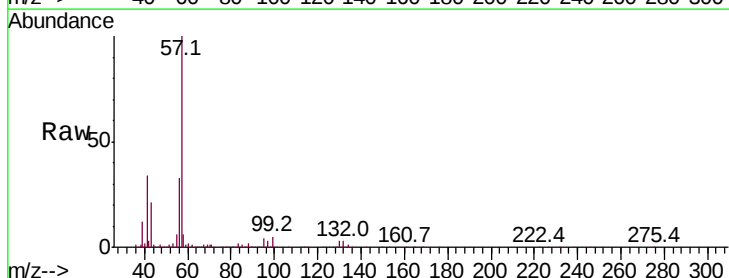
Manual Integrations
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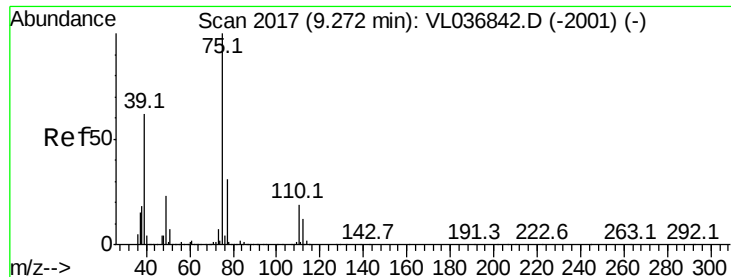
MMDadoda
5/10/2021 3:34:43 PM



#44
2,2,4-Trimethylpentane
Concen: 10.629 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion: 57 Resp: 5261905
Ion Ratio Lower Upper
57 100
41 35.0 28.2 42.4
56 32.3 25.9 38.9





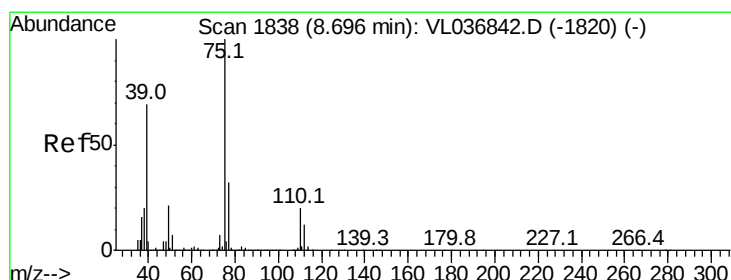
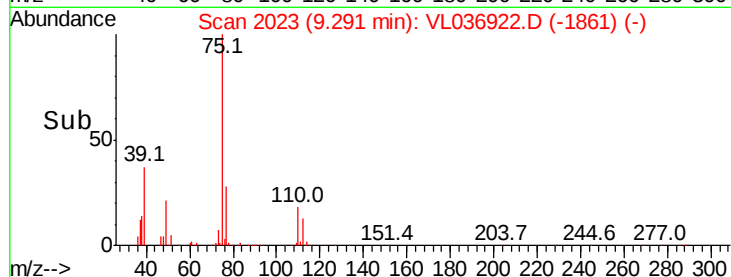
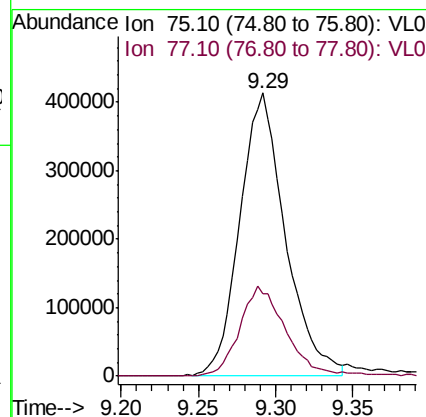
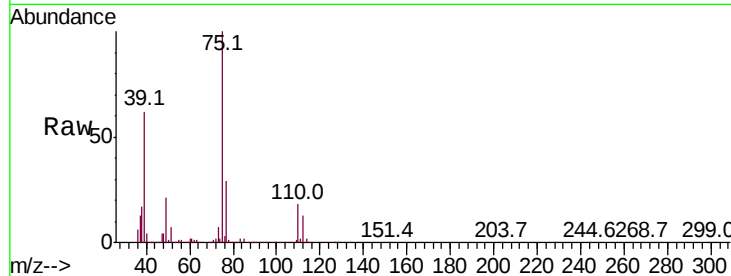
#45
t-1,3-Dichloropropene
Concen: 8.247 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.0	24.6	37.0

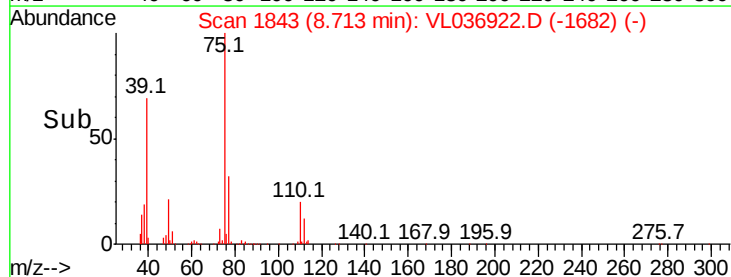
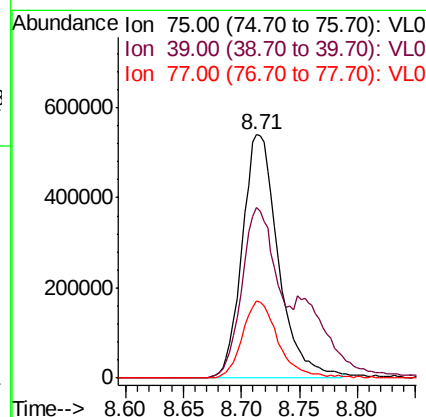
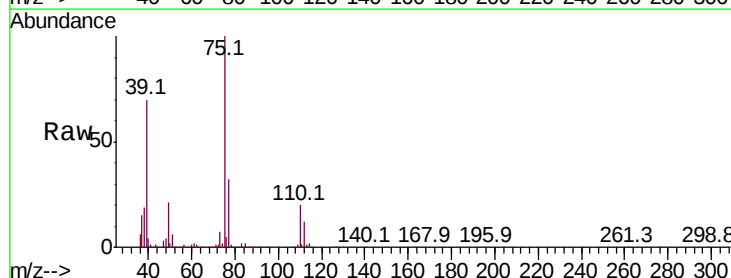
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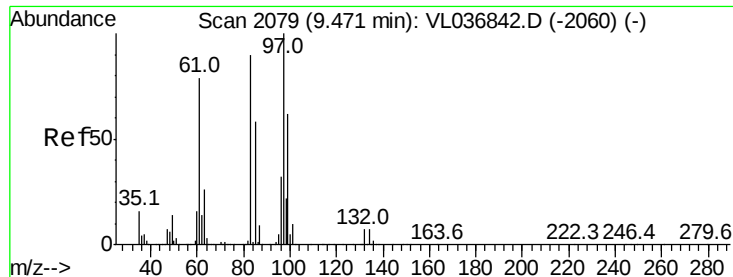
MMDadoda
5/10/2021 3:34:43 PM



#46
cis-1,3-Dichloropropene
Concen: 8.977 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion	Ratio	Lower	Upper
75	100		
39	69.9	55.4	83.0
77	31.8	25.2	37.8





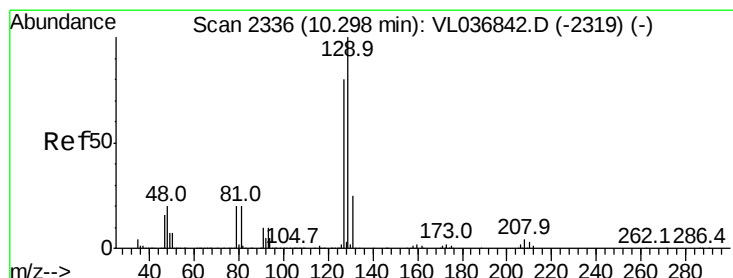
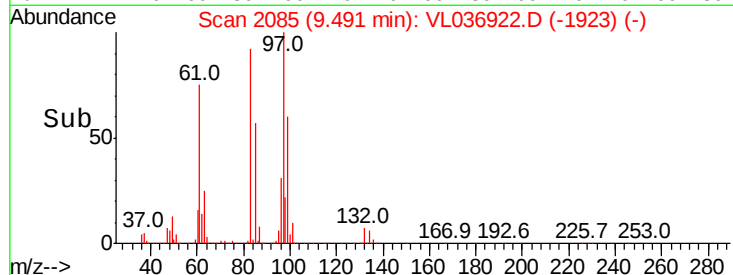
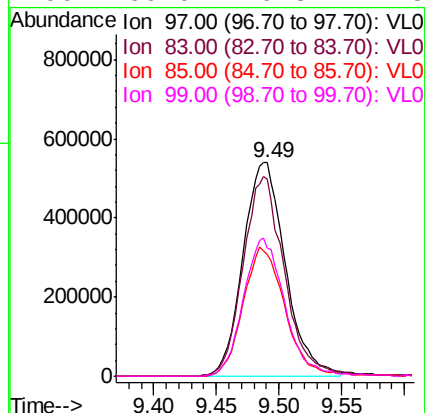
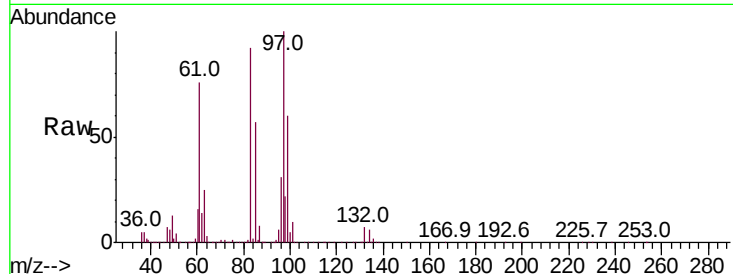
#47
1,1,2-Trichloroethane
Concen: 10.582 ppbv
RT: 9.49 min Scan# 2085
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	91.9	71.9	107.9	
85	57.0	46.5	69.7	
99	60.0	49.8	74.8	

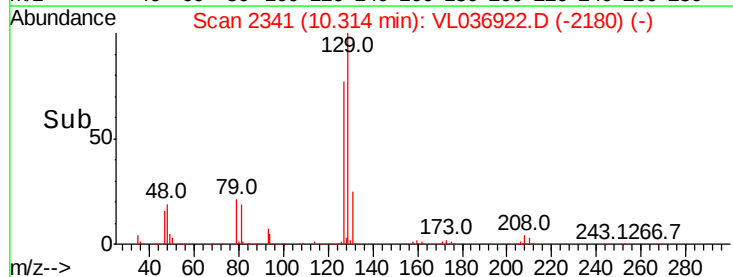
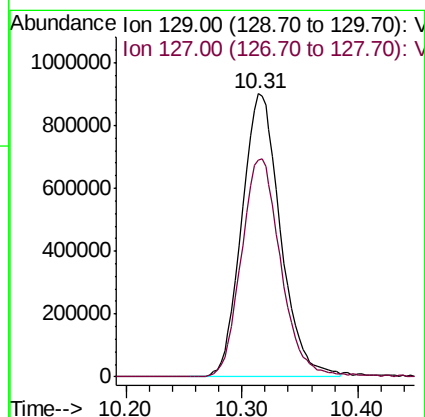
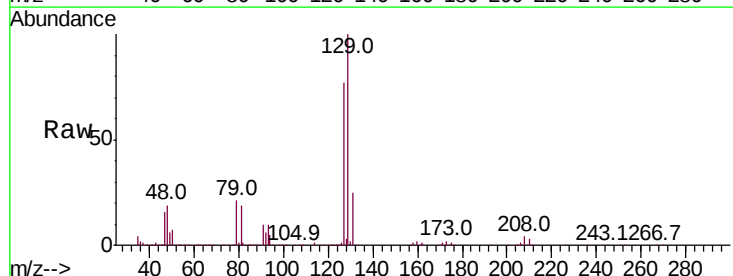
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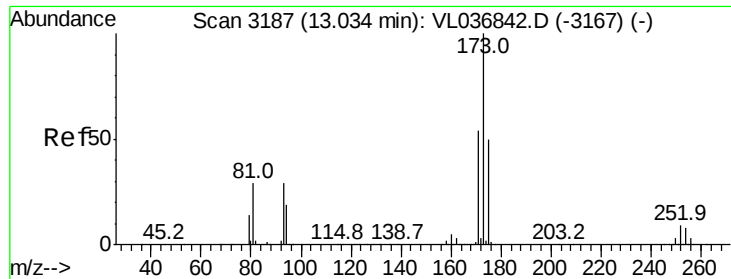
MMDadoda
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#48
Dibromochloromethane
Concen: 11.772 ppbv
RT: 10.31 min Scan# 2341
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.2	40.2	120.5	





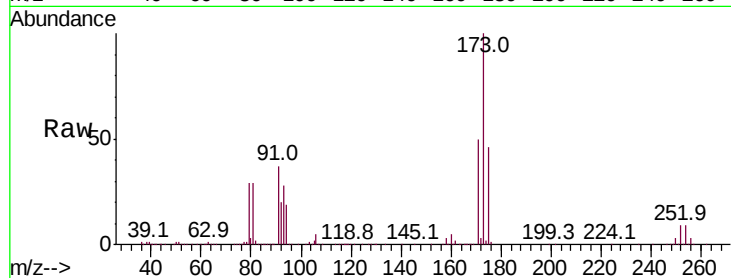
#49
Bromoform
Concen: 12.384 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

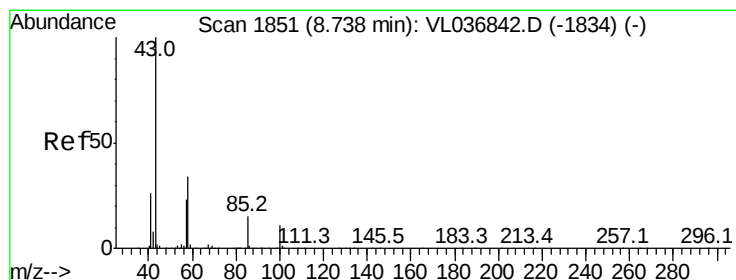
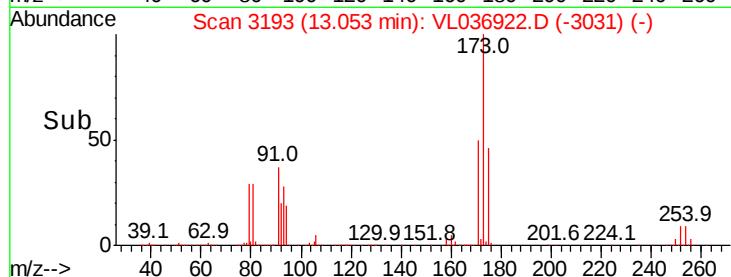
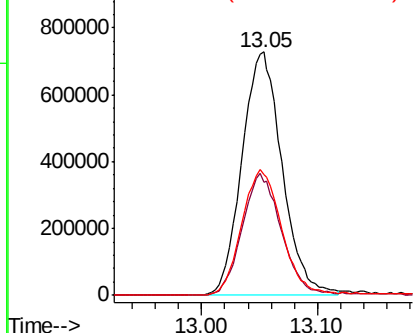
Tot Ion:173 Resp: 1755241
Ion Ratio Lower Upper
173 100
175 49.7 39.6 59.4
171 52.6 42.2 63.4

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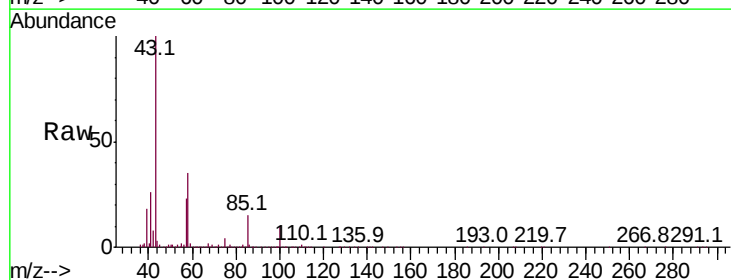


Abundance Ion 172.90 (172.60 to 173.60): V
1000000 Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

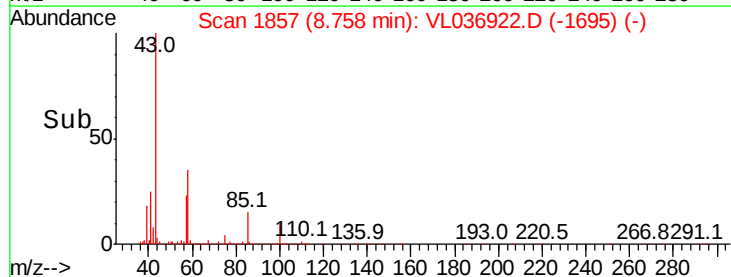
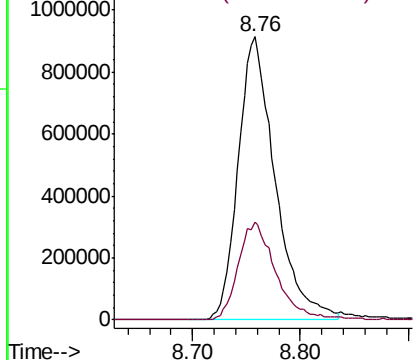


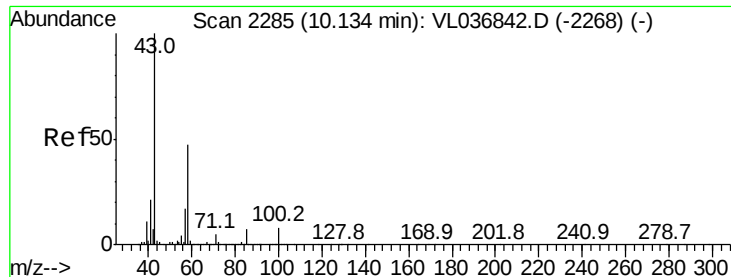
#50
4-Methyl-2-Pentanone
Concen: 10.597 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion: 43 Resp: 2175404
Ion Ratio Lower Upper
43 100
58 35.7 27.8 41.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
1000000 Ion 58.10 (57.80 to 58.80): VL0





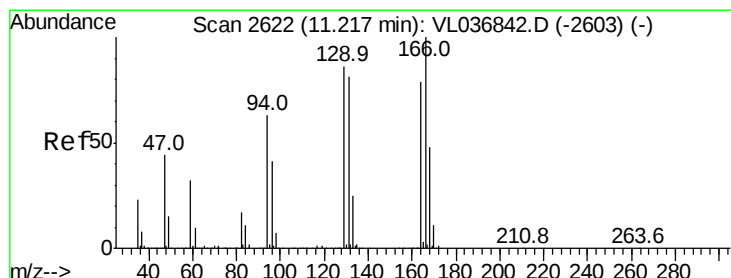
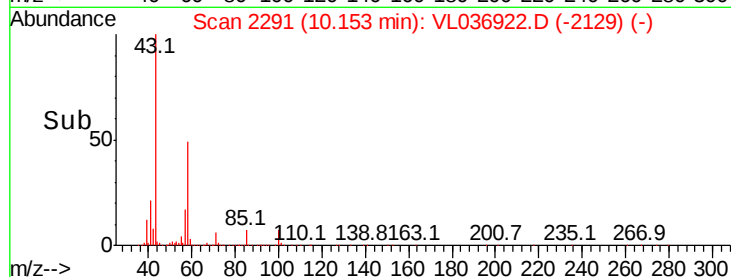
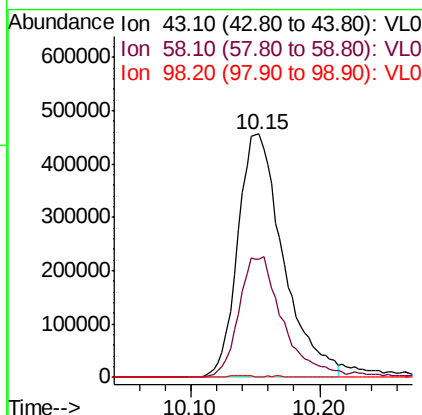
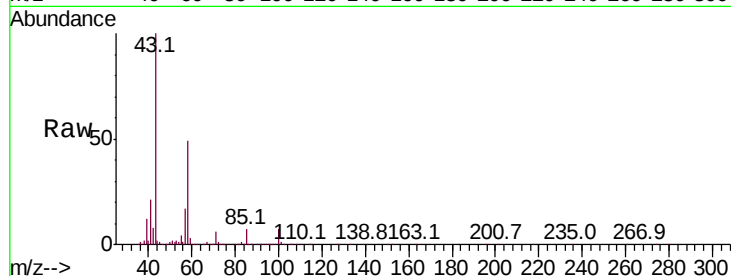
#51
2-Hexanone
Concen: 10.927 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1118882
Ion Ratio Lower Upper
43 100
58 49.2 37.0 55.6
98 0.5 0.2 0.4#

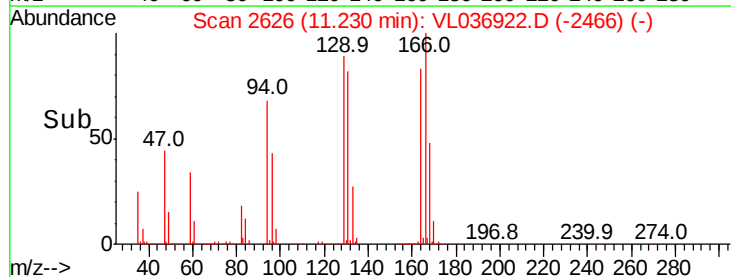
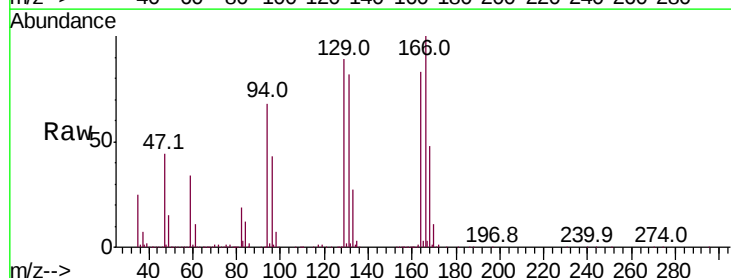
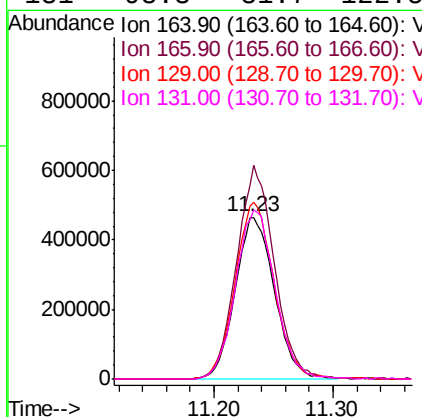
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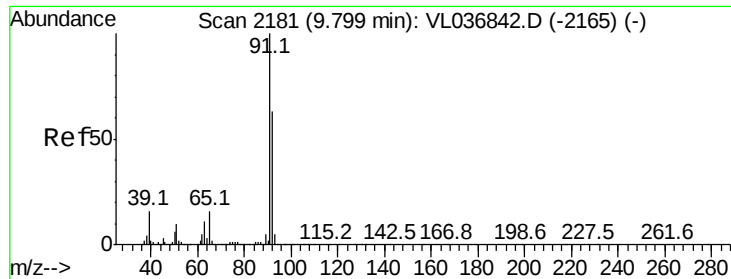
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5/10/2021 3:34:43 PM



#52
Tetrachloroethene
Concen: 10.755 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion: 164 Resp: 1057943
Ion Ratio Lower Upper
164 100
166 119.8 100.9 151.3
129 106.9 87.0 130.4
131 98.3 81.7 122.5





#53

Toluene

Concen: 11.552 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3491764

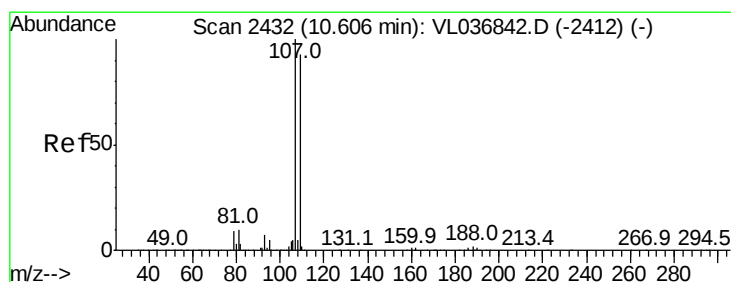
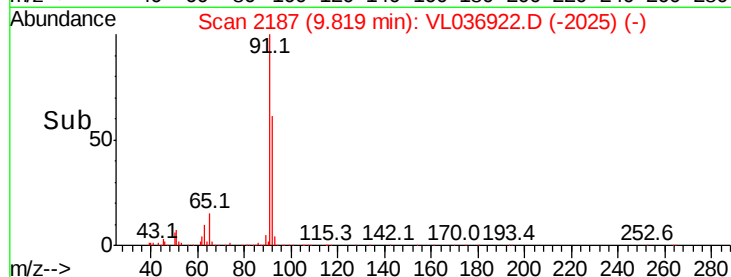
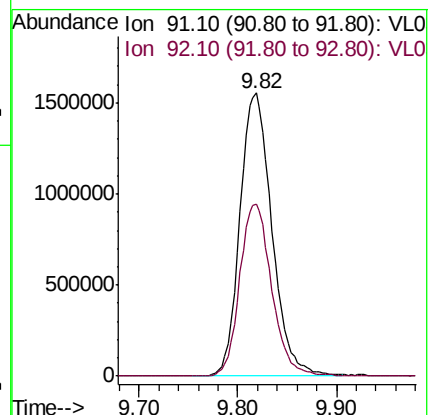
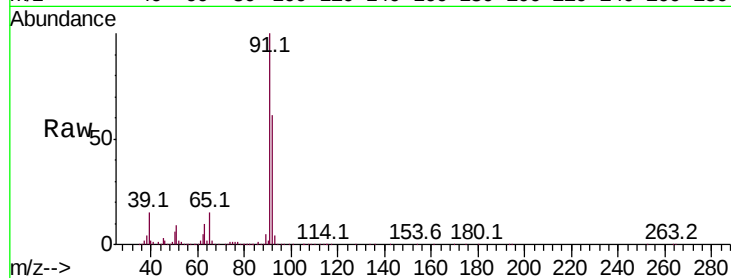
Ion Ratio Lower Upper

91 100

92 61.1 49.0 73.4

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#54

1,2-Dibromoethane

Concen: 10.738 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.02 min

Lab File: VL036922.D

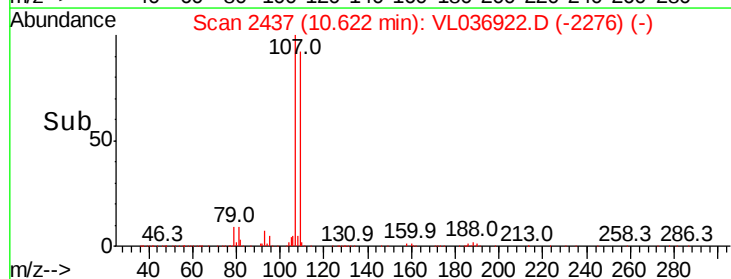
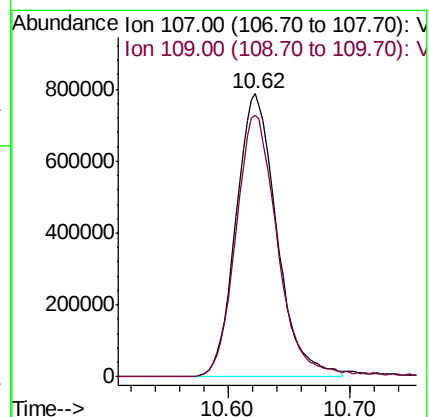
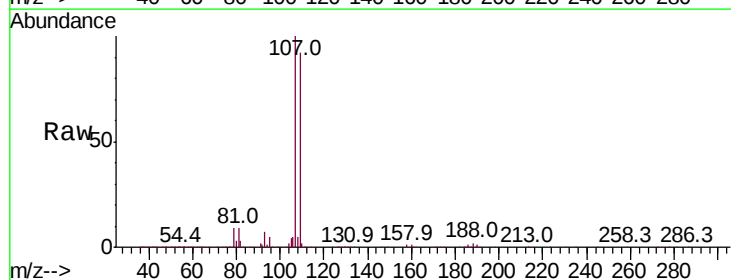
Acq: 7 May 2021 16:48

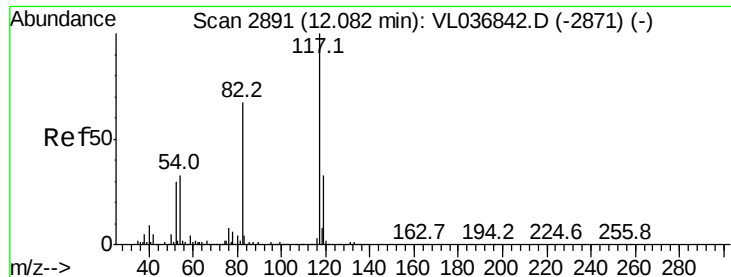
Tgt Ion: 107 Resp: 1816461

Ion Ratio Lower Upper

107 100

109 92.4 74.7 112.1





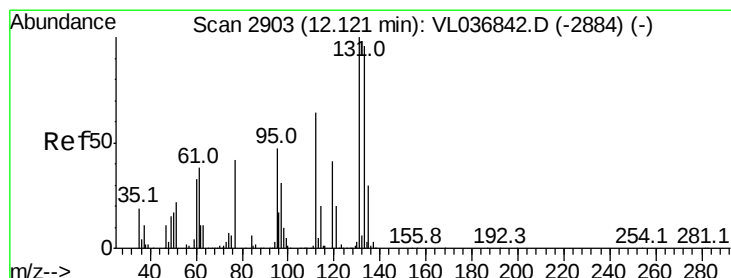
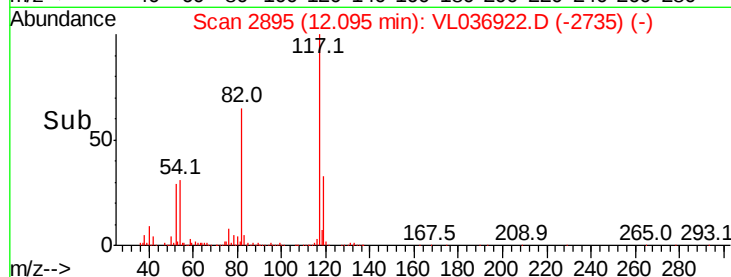
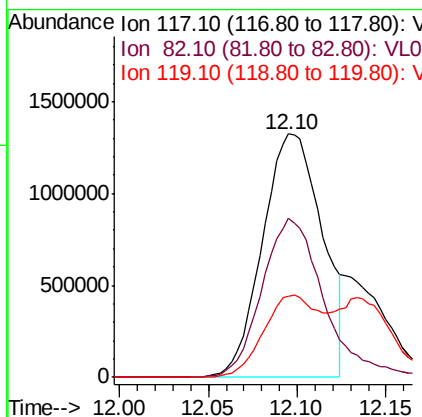
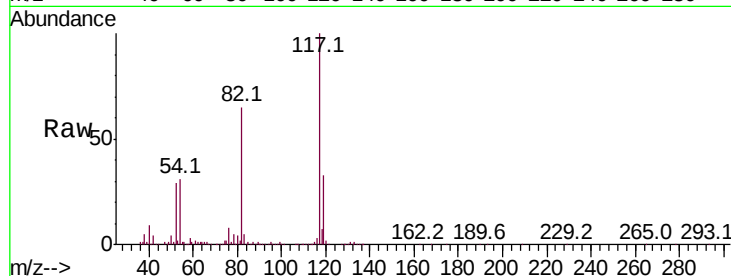
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2895
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.4	53.5	80.3
119	30.4	25.6	38.4

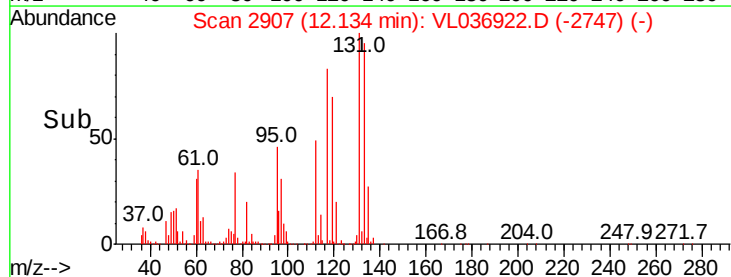
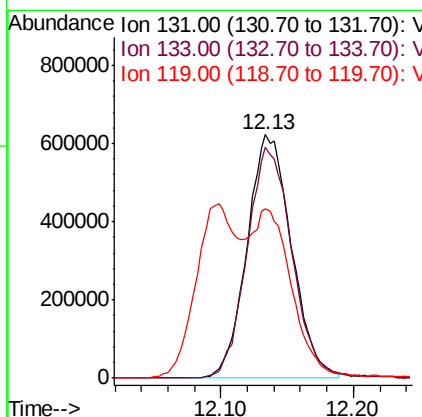
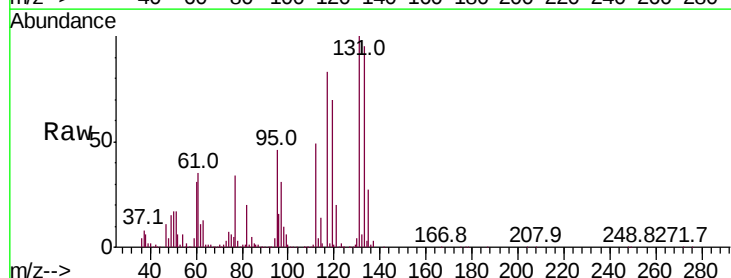
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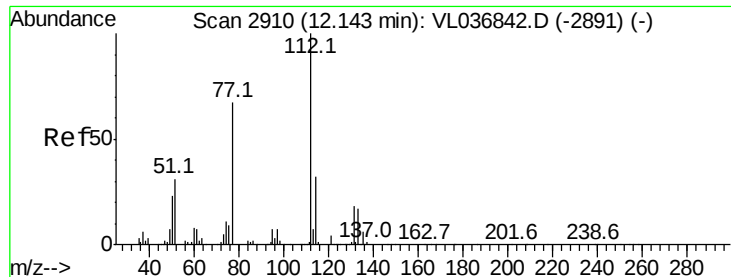
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#56
1,1,1,2-Tetrachloroethane
Concen: 11.148 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	76.3	114.5
119	69.4	114.9	172.3#





#57

Chlorobenzene

Concen: 10.696 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2580142

Ion Ratio Lower Upper

112 100

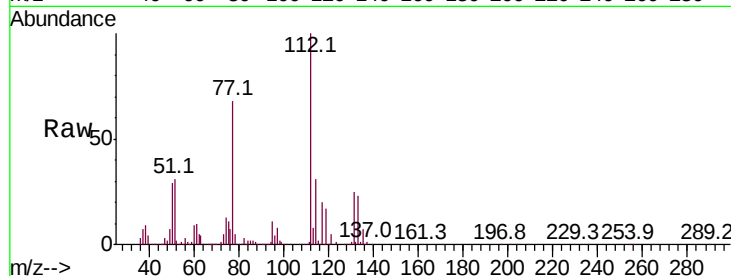
77 67.5 54.2 81.4

114 31.0 28.5 34.9

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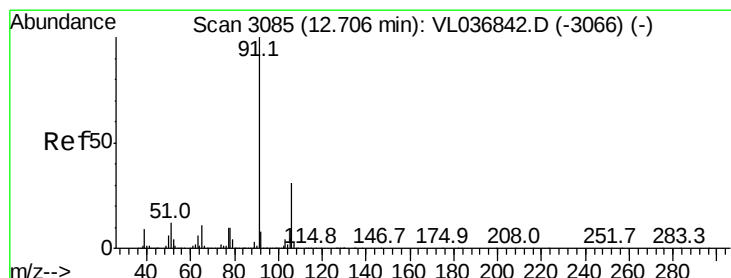
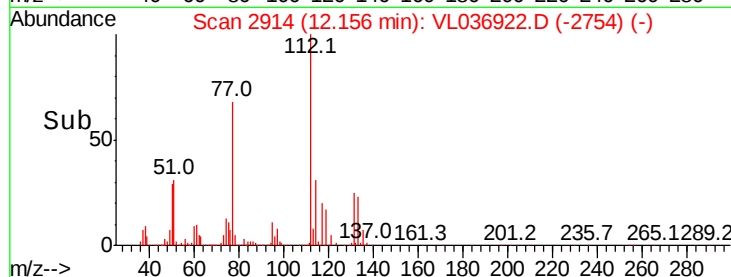
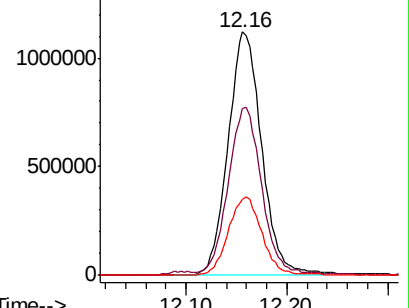
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Abundance Ion 112.10 (111.80 to 112.80): V

1500000 Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.822 ppbv

RT: 12.72 min Scan# 3090

Delta R.T. 0.02 min

Lab File: VL036922.D

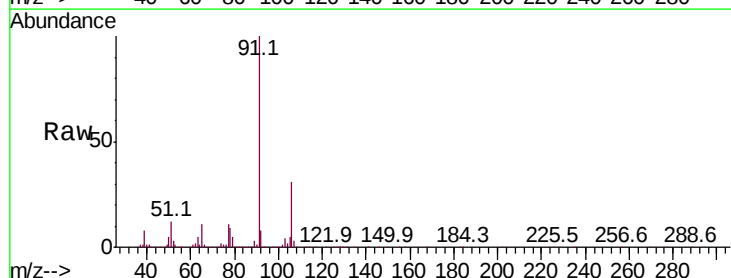
Acq: 7 May 2021 16:48

Tgt Ion: 91 Resp: 4643691

Ion Ratio Lower Upper

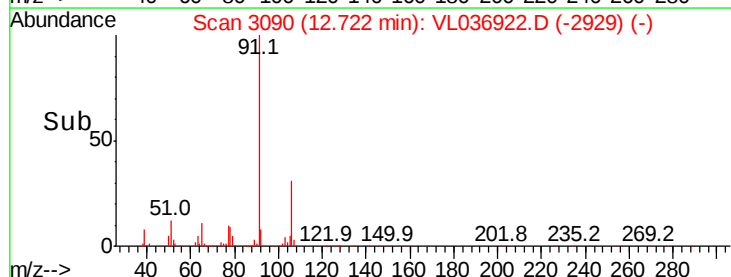
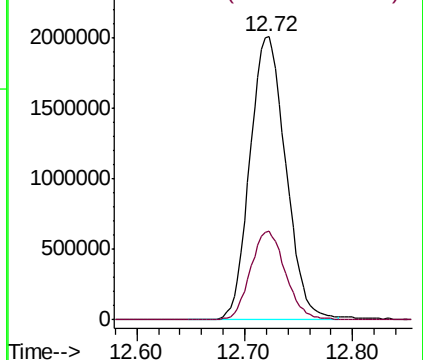
91 100

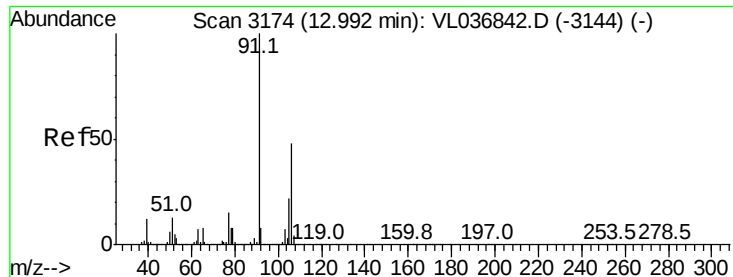
106 31.3 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





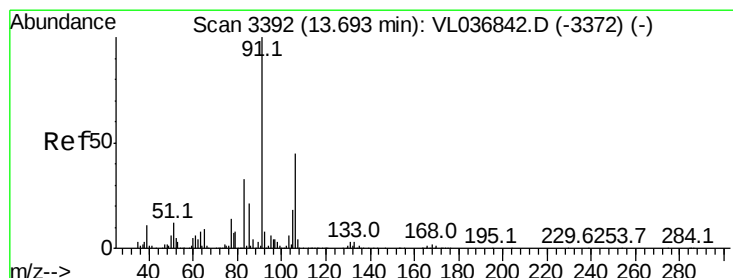
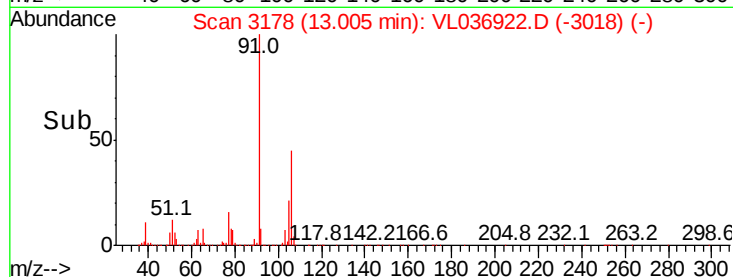
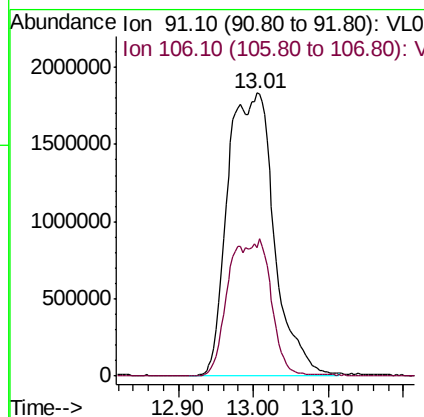
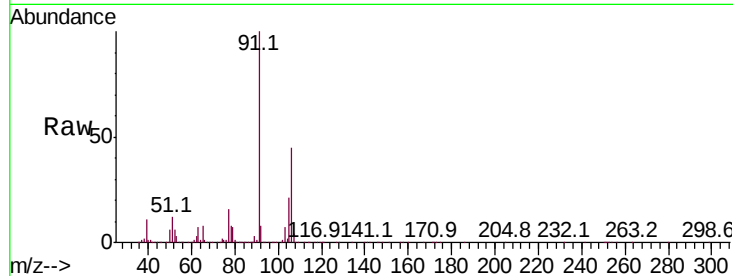
#59
m/p-Xylene
Concen: 22.513 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7903980
Ion Ratio Lower Upper
91 100
106 44.2 35.8 53.6

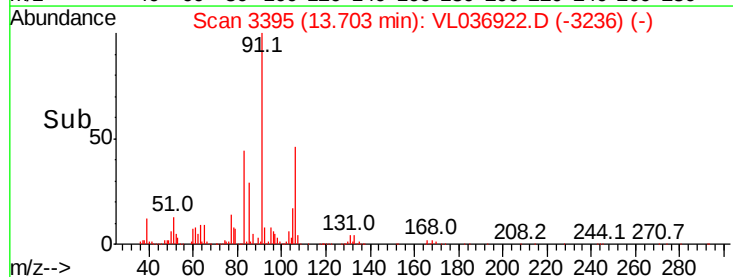
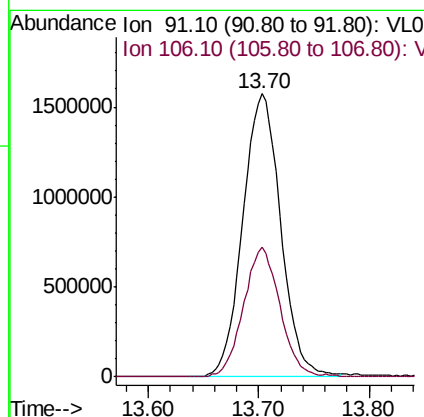
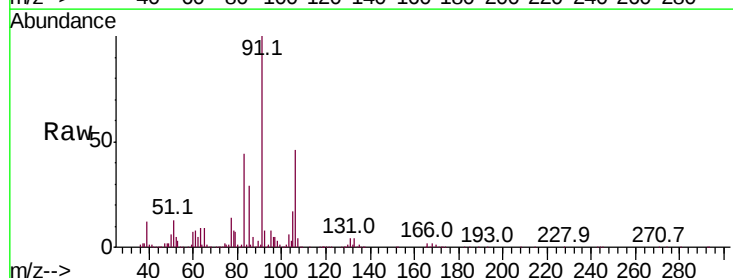
Manual Integrations
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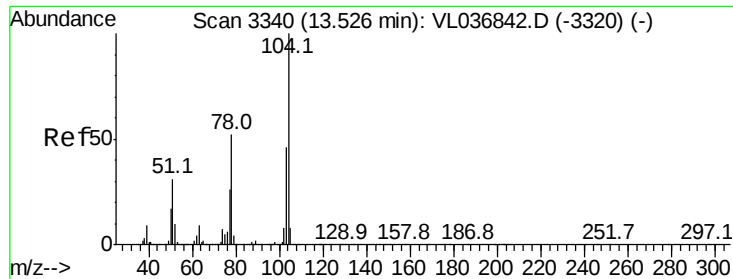
MMDadoda
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#60
o-Xylene
Concen: 10.993 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion: 91 Resp: 3731726
Ion Ratio Lower Upper
91 100
106 44.7 22.6 67.7





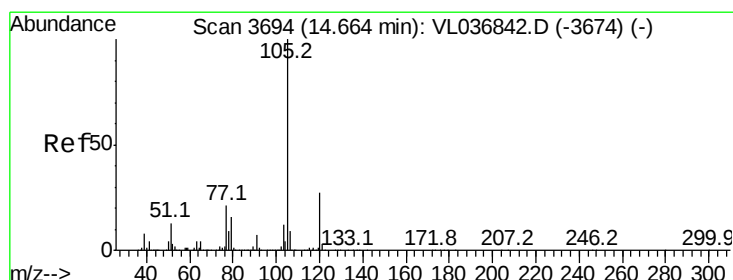
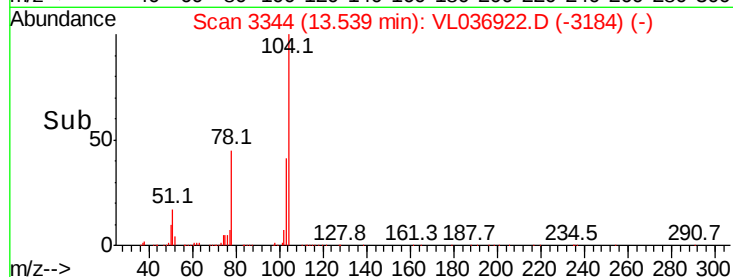
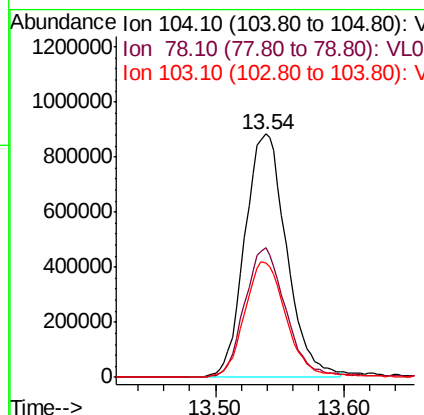
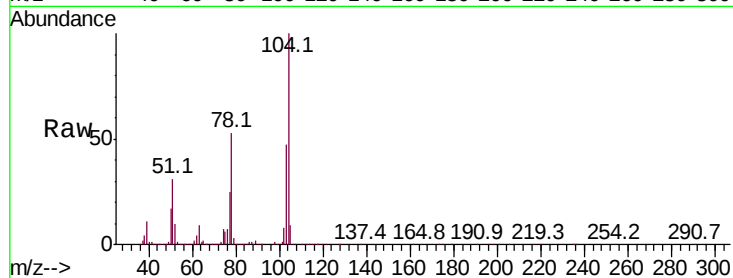
#61
Stvrene
Concen: 12.529 ppbv
RT: 13.54 min Scan# 3344
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:104 Resp: 1997281
Ion Ratio Lower Upper
104 100
78 52.7 42.6 64.0
103 47.7 38.1 57.1

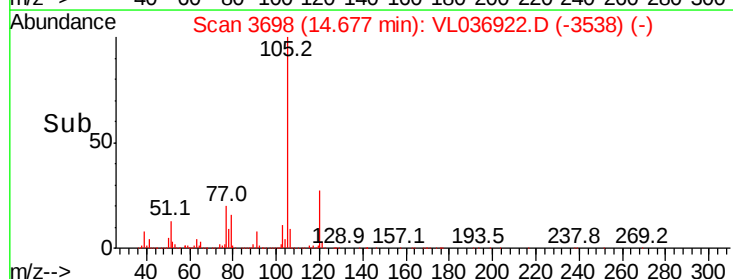
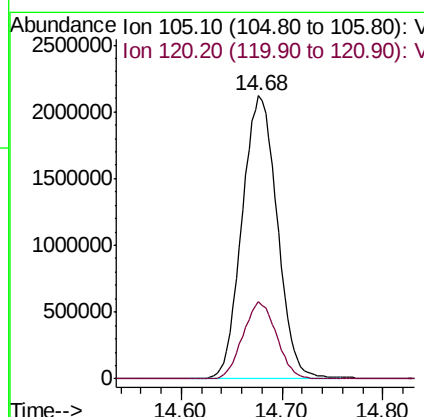
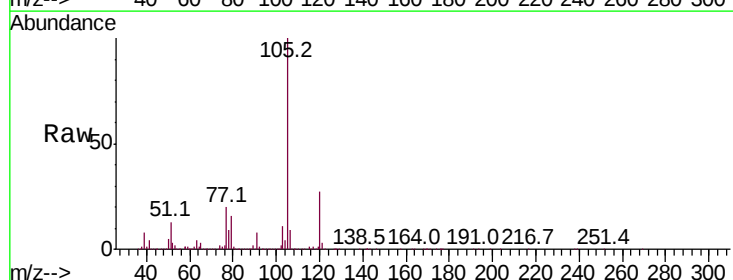
Manual Integrations
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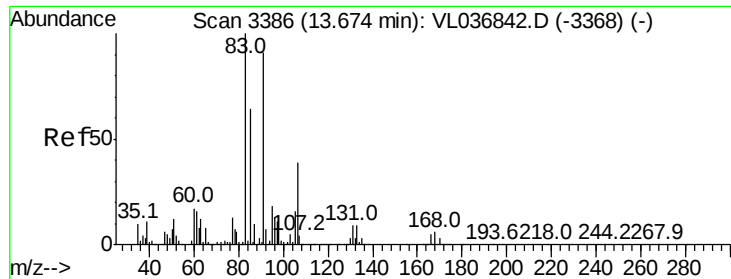
MMDadoda
5/10/2021 3:34:43 PM



#62
Isopropylbenzene
Concen: 11.093 ppbv
RT: 14.68 min Scan# 3698
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion:105 Resp: 5123499
Ion Ratio Lower Upper
105 100
120 26.3 21.1 31.7





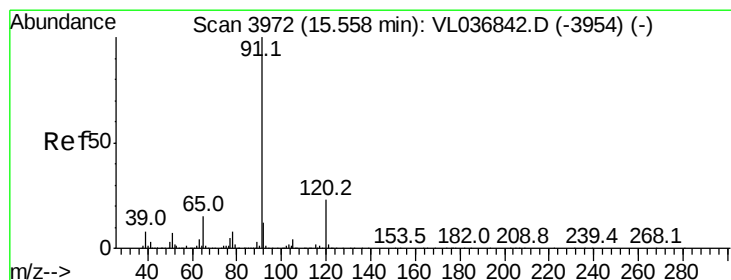
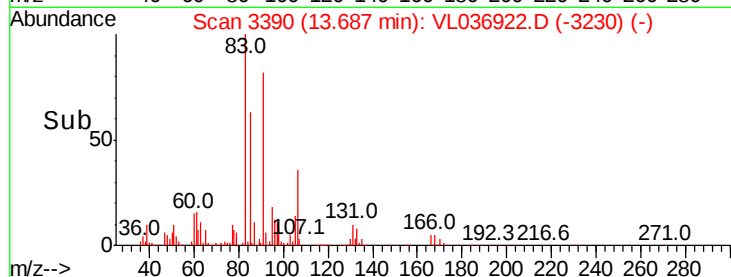
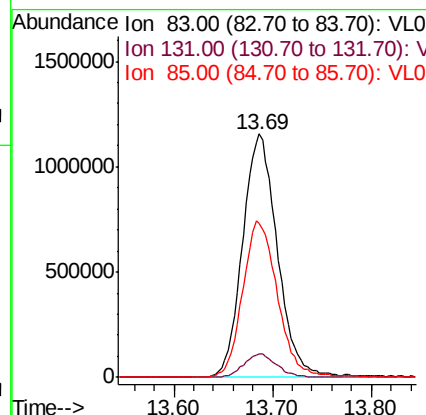
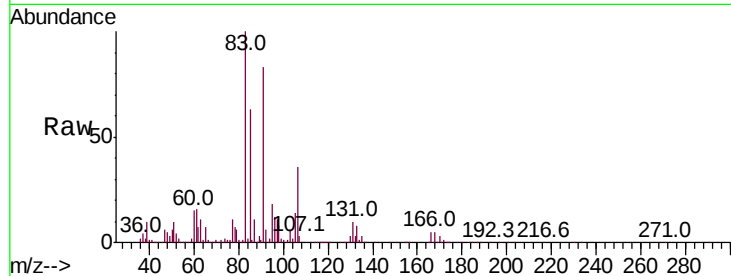
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.345 ppbv
 RT: 13.69 min Scan# 3390
 Delta R.T. 0.01 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.8	14.3
85	65.2	32.8	98.4

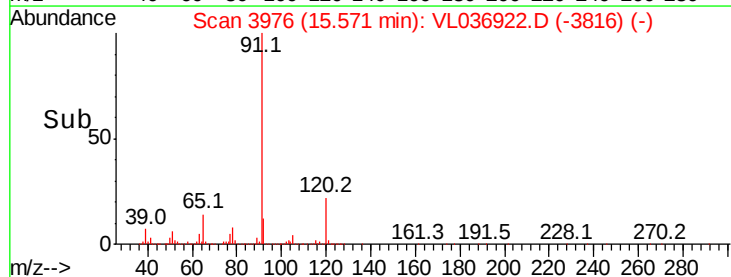
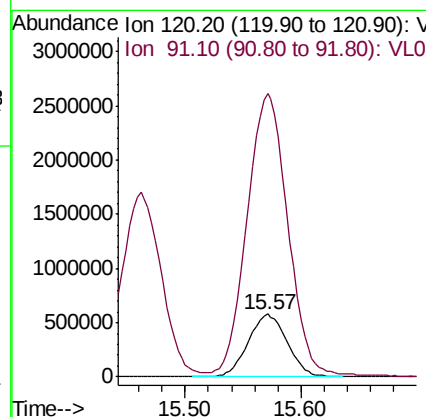
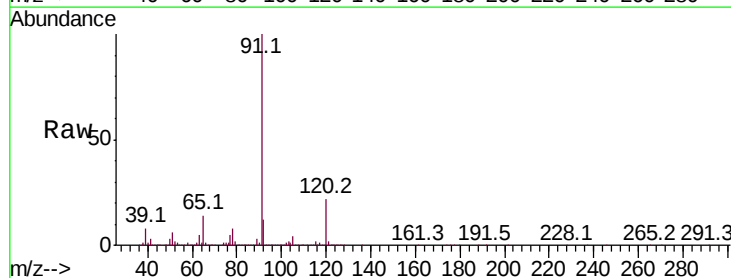
Manual Integrations
 APPROVED

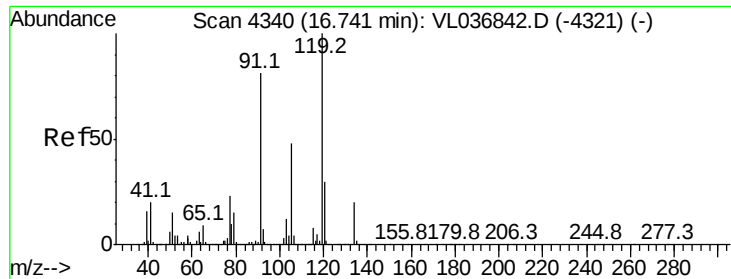
MMDadoda
 5/10/2021 3:34:43 PM



#64
 n-propylbenzene
 Concen: 11.772 ppbv
 RT: 15.57 min Scan# 3976
 Delta R.T. 0.01 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Tgt Ion	Ratio	Lower	Upper
120	100		
91	474.7	378.6	567.8





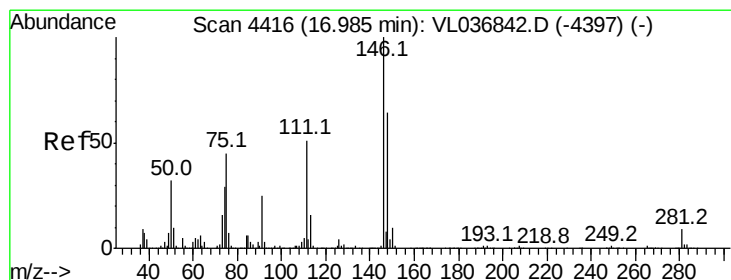
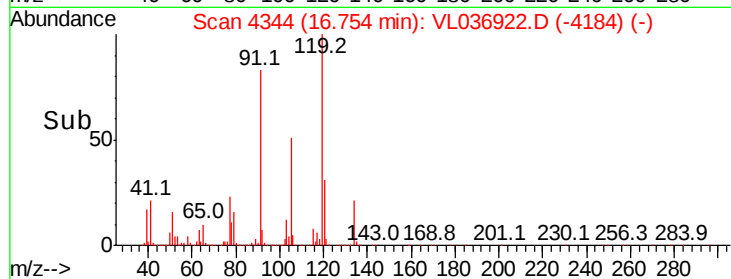
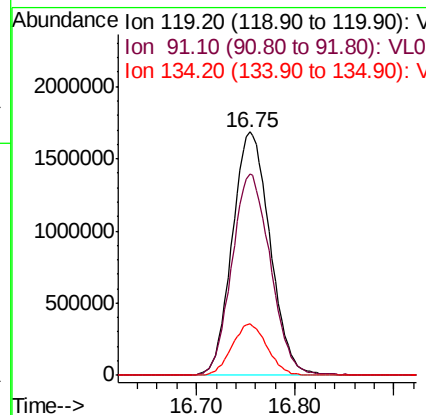
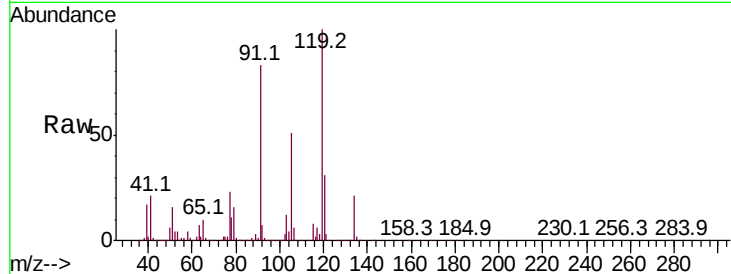
#65
tert-Butylbenzene
Concen: 10.987 ppbv
RT: 16.75 min Scan# 4344
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 4486736
Ion Ratio Lower Upper
119 100
91 84.4 67.0 100.6
134 19.8 15.8 23.6

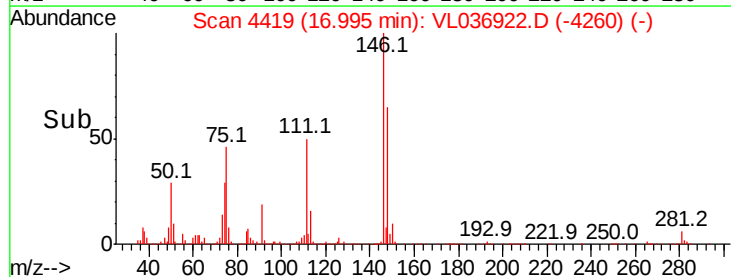
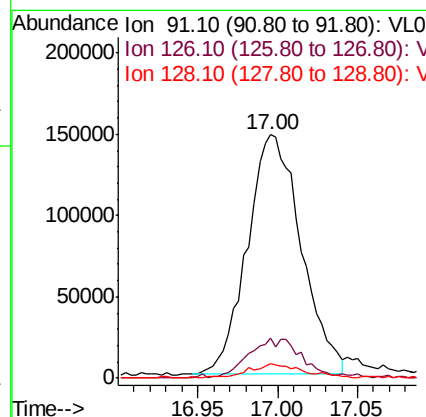
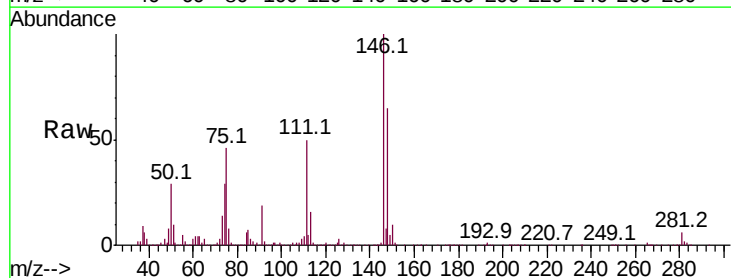
Manual Integrations
APPROVED

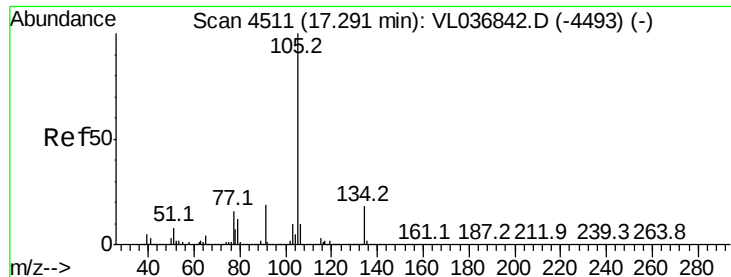
MMDadoda
5/10/2021 3:34:43 PM



#66
Benzyl Chloride
Concen: 8.529 ppbv
RT: 17.00 min Scan# 4419
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion: 91 Resp: 340538
Ion Ratio Lower Upper
91 100
126 17.5 14.1 21.1
128 6.1 4.8 7.2





#67

sec-Butylbenzene

Concen: 11.053 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 6267840

Ion Ratio Lower Upper

105 100

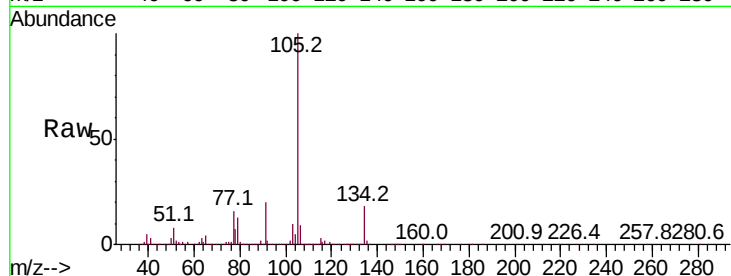
134 18.5 14.8 22.2

Manual Integrations

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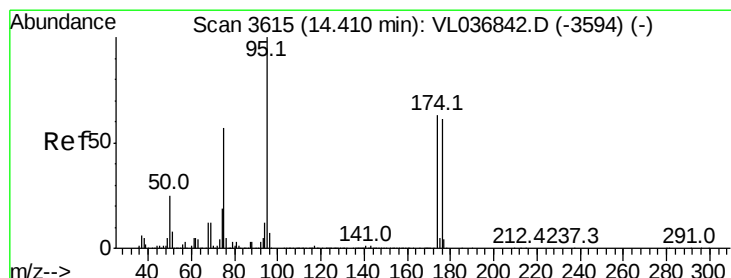
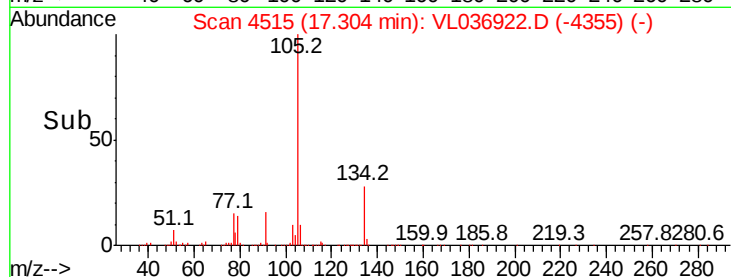
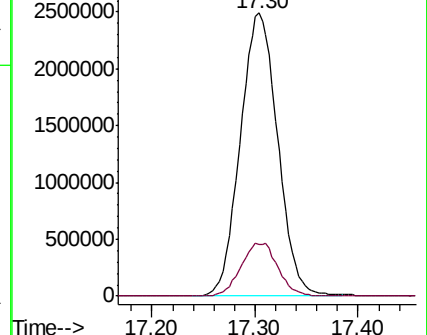
MMDadoda

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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: 10.509 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

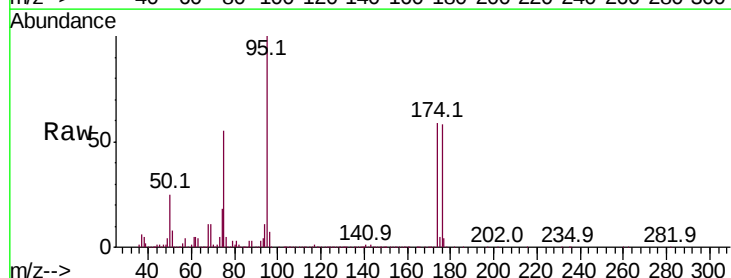
Tgt Ion: 95 Resp: 2612780

Ion Ratio Lower Upper

95 100

174 63.5 52.2 78.2

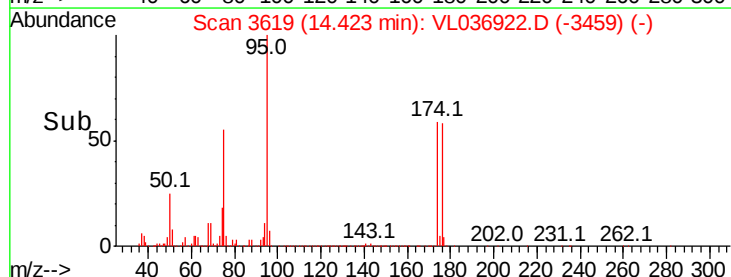
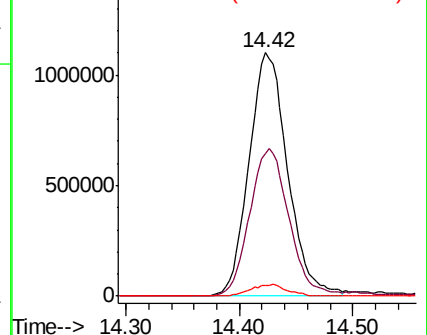
175 4.7 4.0 6.0

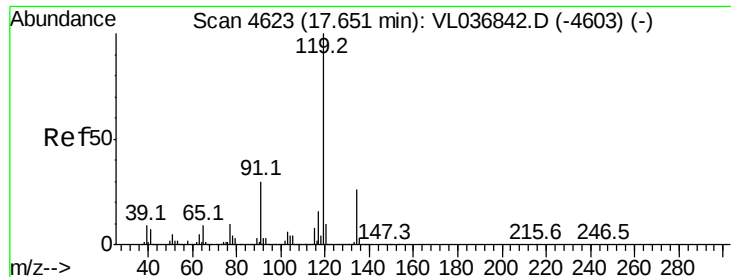


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





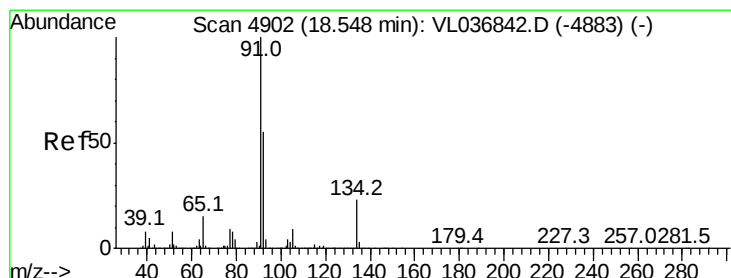
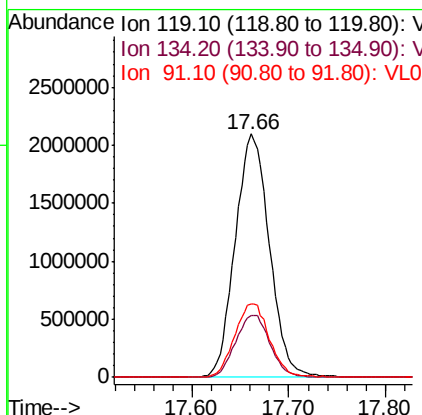
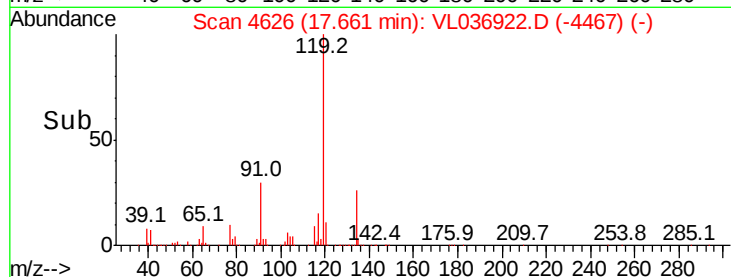
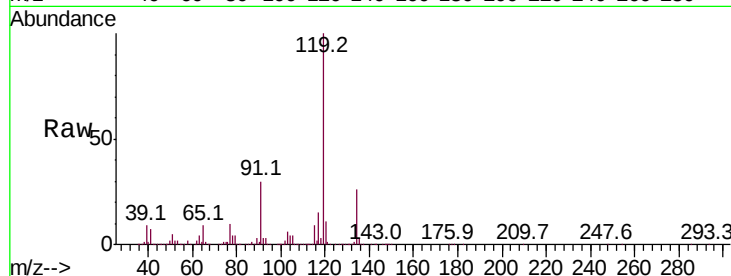
#69
p-Isopropyltoluene
Concen: 11.332 ppbv
RT: 17.66 min Scan# 4626
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	31.0
91	30.7	24.2	36.4

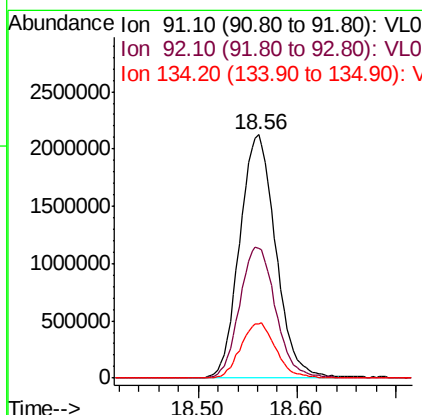
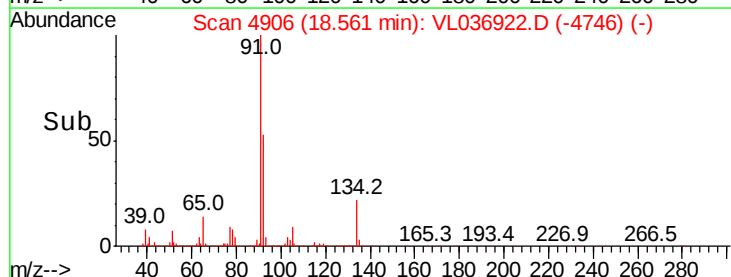
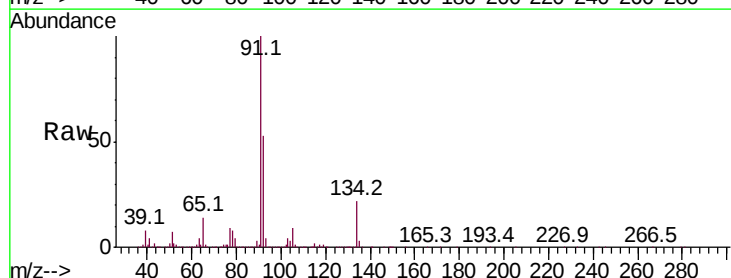
Manual Integrations
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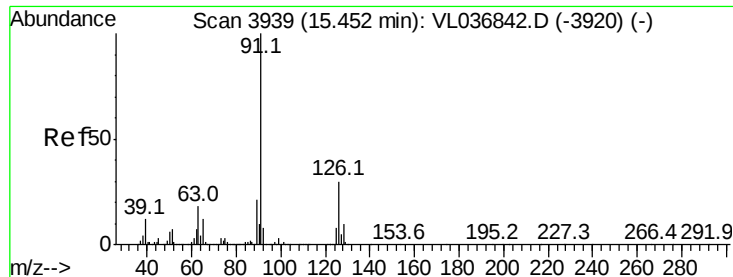
MMDadoda
5/10/2021 3:34:43 PM



#70
n-Butylbenzene
Concen: 11.723 ppbv
RT: 18.56 min Scan# 4906
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.5	65.3
134	22.1	18.2	27.4





#71

2-Chlorotoluene

Concen: 11.687 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3997563

Ion Ratio Lower Upper

91 100

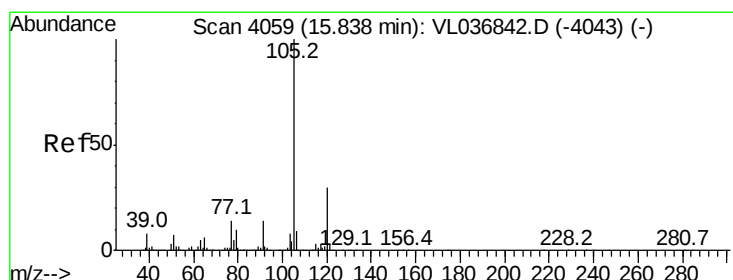
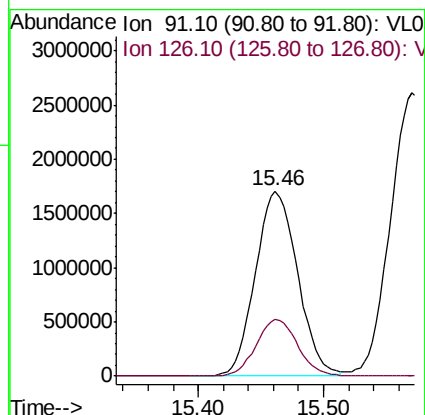
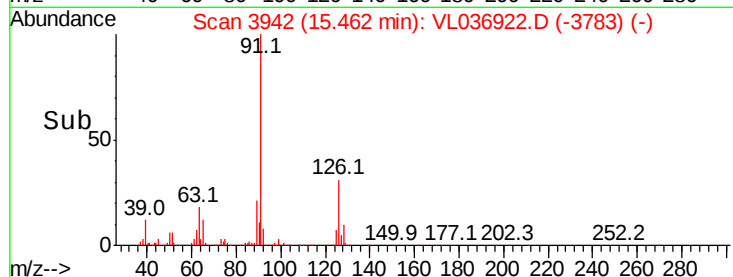
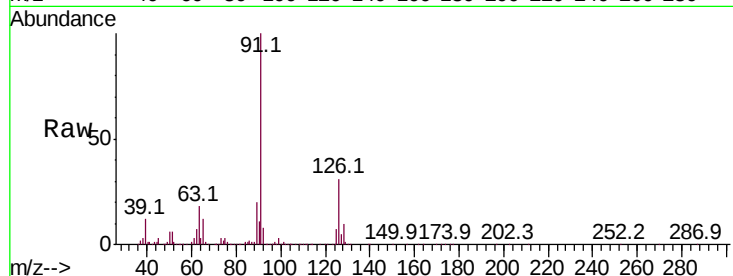
126 30.5 12.3 49.3

Manual Integrations

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#72

4-Ethyltoluene

Concen: 12.049 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Tgt Ion: 105 Resp: 4390297

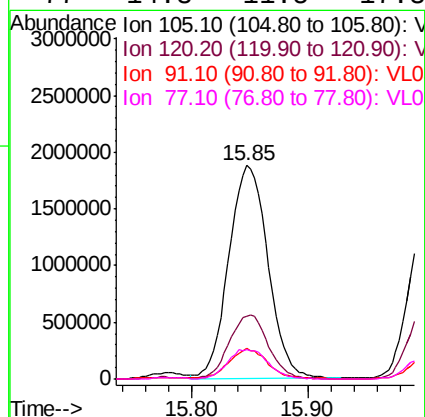
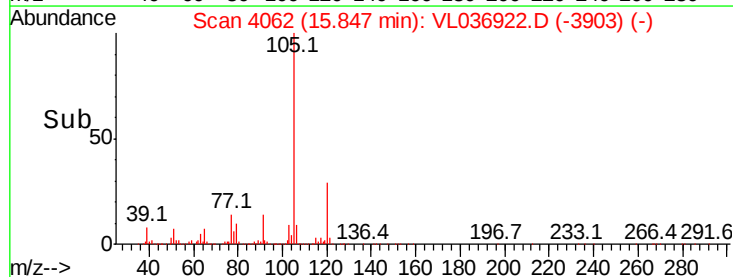
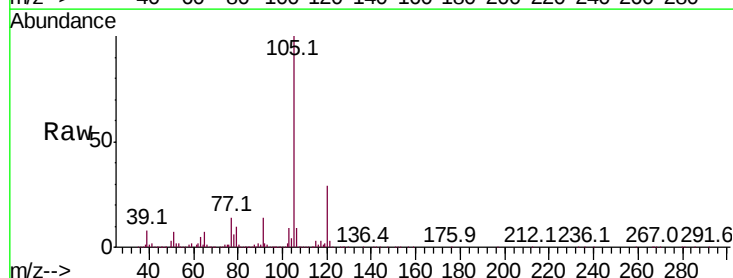
Ion Ratio Lower Upper

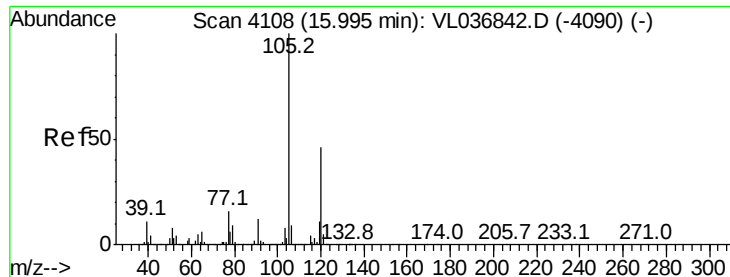
105 100

120 30.1 23.8 35.6

91 13.6 10.7 16.1

77 14.3 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 10.987 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3882265

Ion Ratio Lower Upper

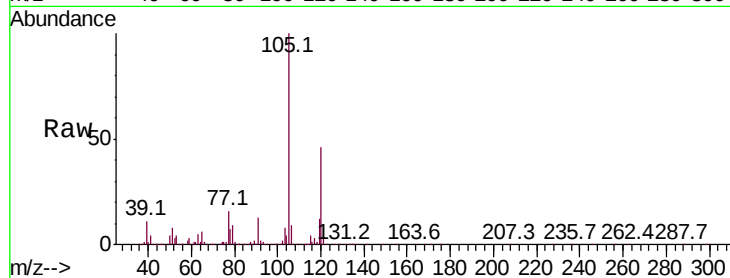
105 100

120 45.7 36.8 55.2

Manual Integrations
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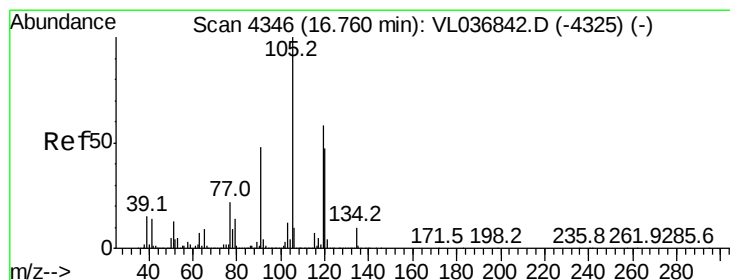
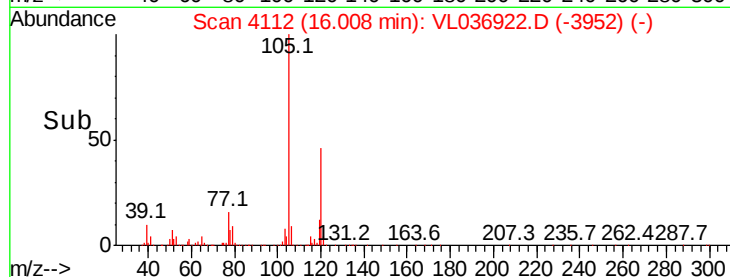
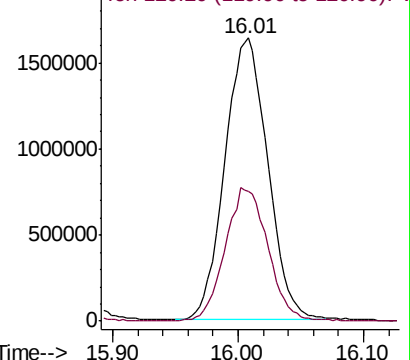
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.824 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Tgt Ion:105 Resp: 4062767

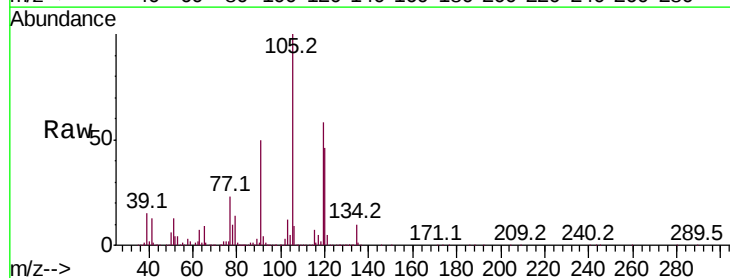
Ion Ratio Lower Upper

105 100

120 46.2 37.6 56.4

91 49.8 39.0 58.4

77 22.9 17.4 26.0

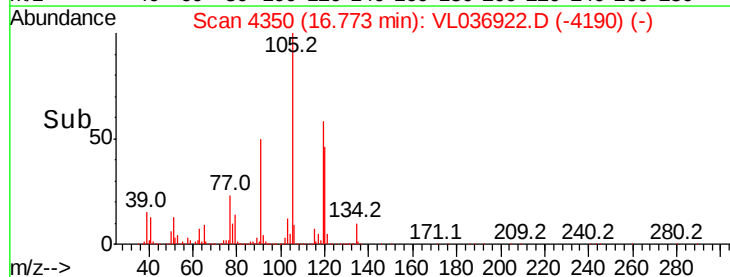
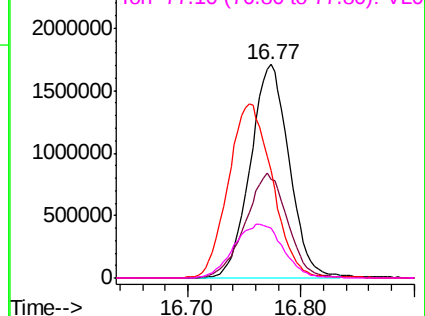


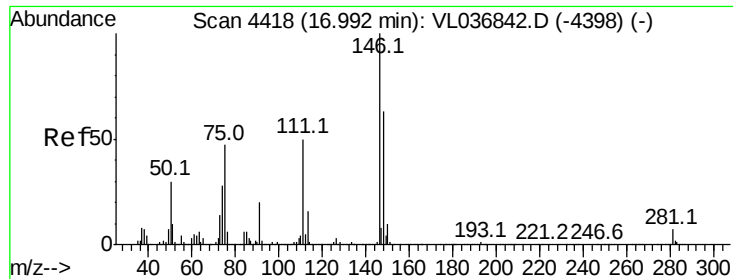
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





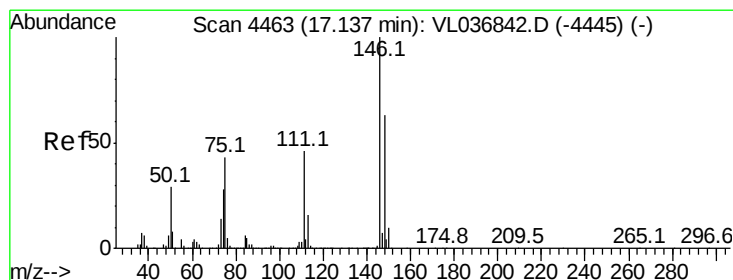
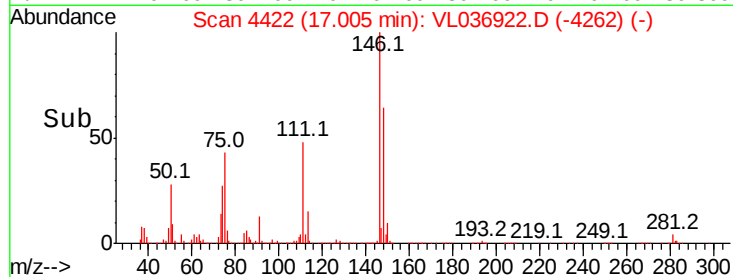
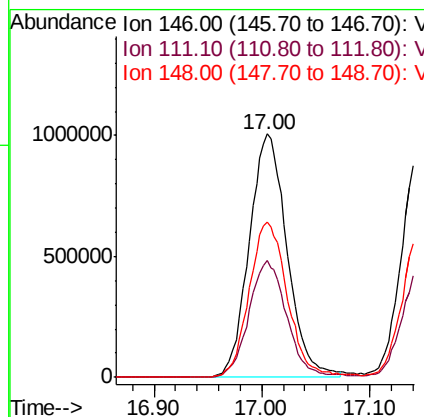
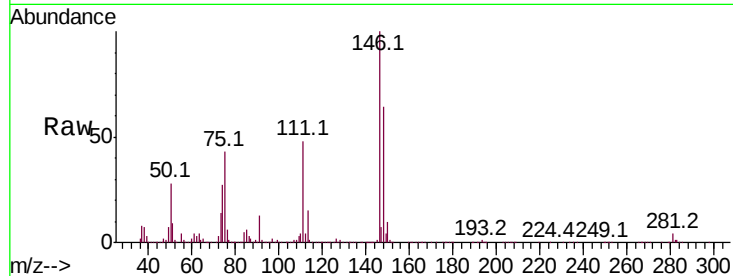
#75
 1,3-Dichlorobenzene
 Concen: 11.051 ppbv
 RT: 17.00 min Scan# 4422
 Delta R.T. 0.01 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.2	72.6
148	64.3	32.1	96.3

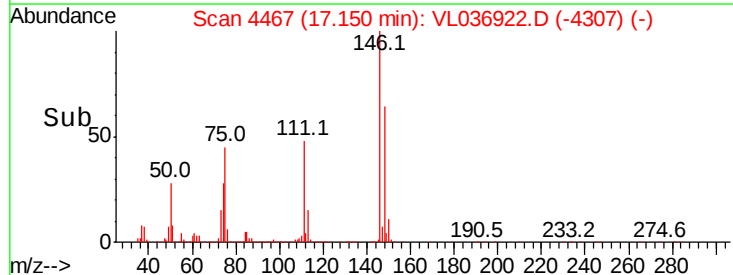
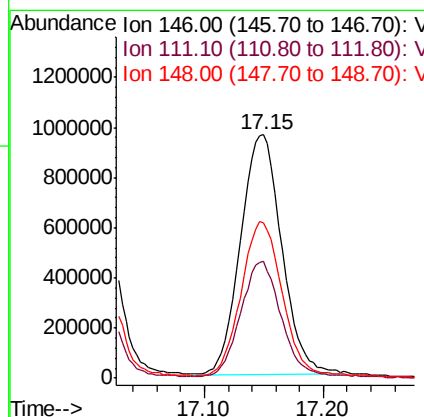
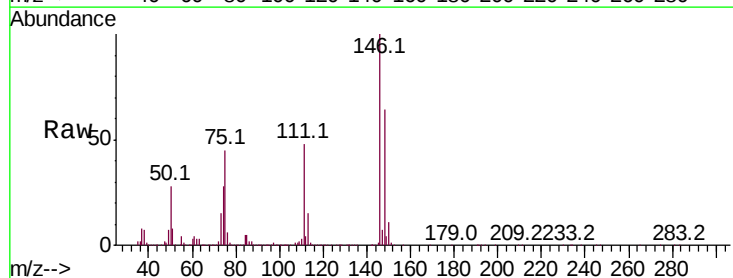
Manual Integrations
 APPROVED

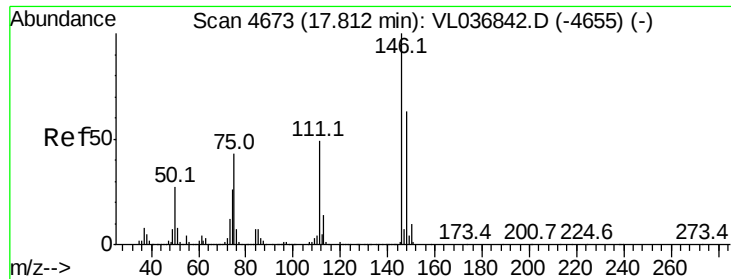
MMDadoda
 5/10/2021 3:34:43 PM



#76
 1,4-Dichlorobenzene
 Concen: 10.624 ppbv
 RT: 17.15 min Scan# 4467
 Delta R.T. 0.01 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.1	24.3	72.8
148	66.6	32.4	97.0





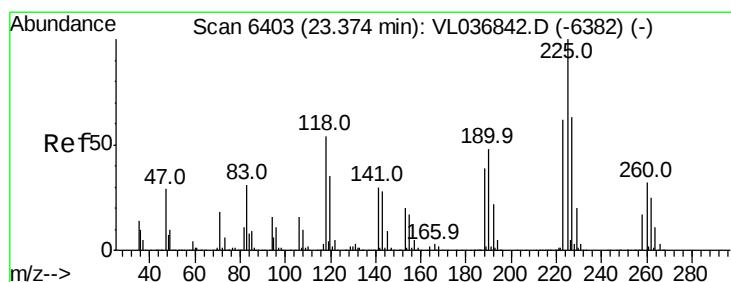
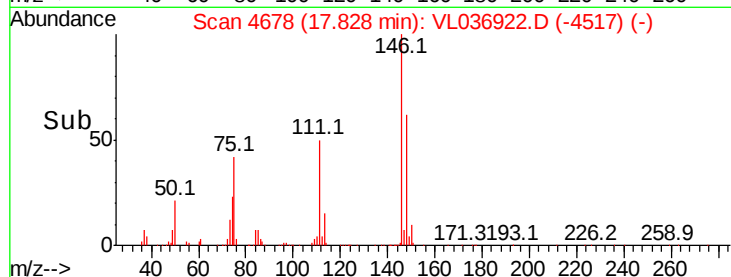
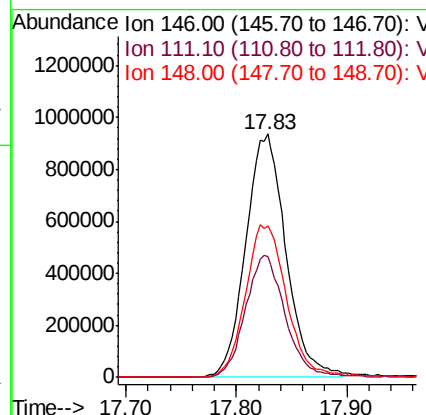
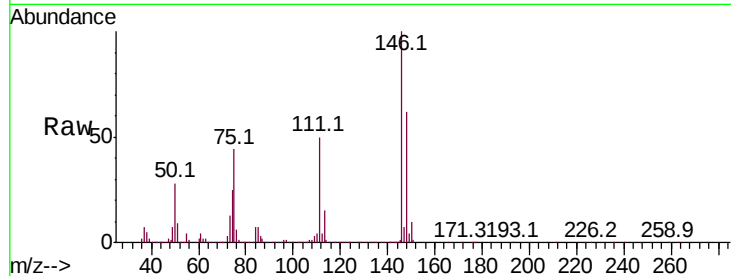
#77
 1,2-Dichlorobenzene
 Concen: 10.842 ppbv
 RT: 17.83 min Scan# 4678
 Delta R.T. 0.02 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.8	25.0	75.0
148	64.8	32.4	97.0

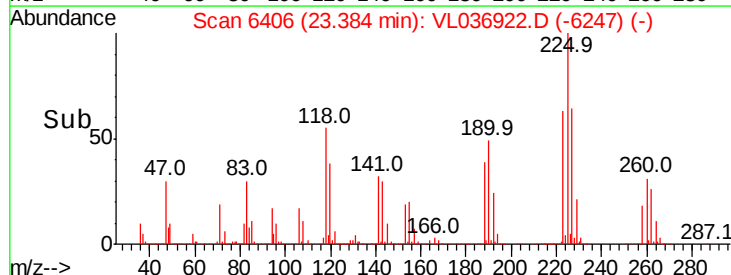
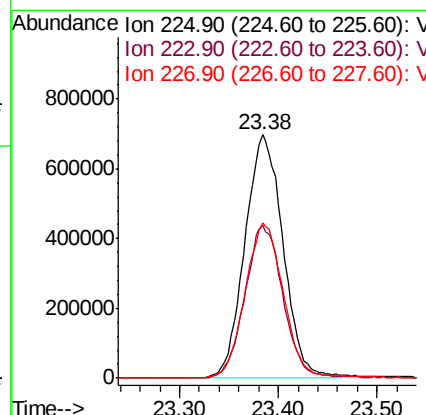
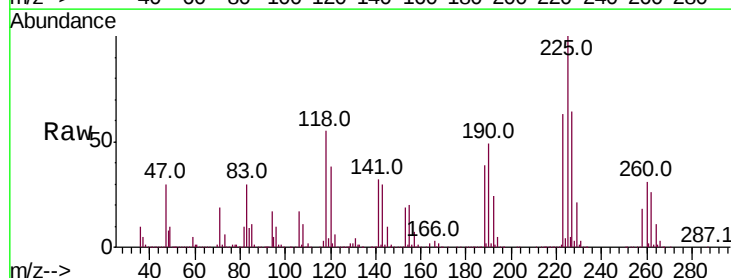
Manual Integrations
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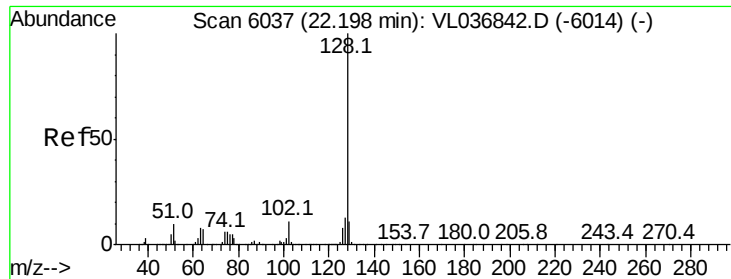
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 10.101 ppbv
 RT: 23.38 min Scan# 6406
 Delta R.T. 0.01 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	51.2	76.8
227	64.2	51.8	77.6





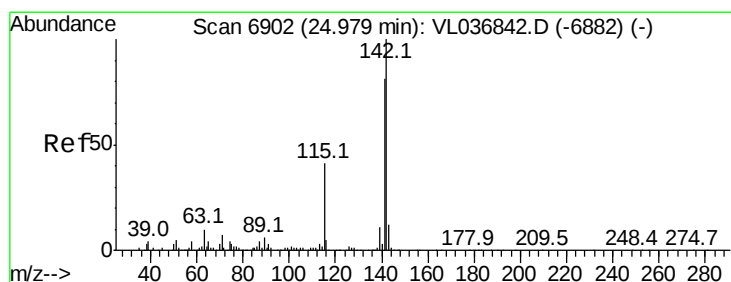
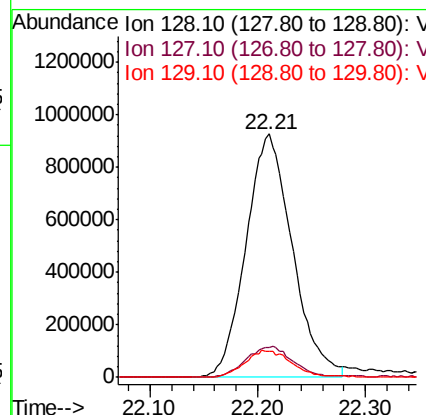
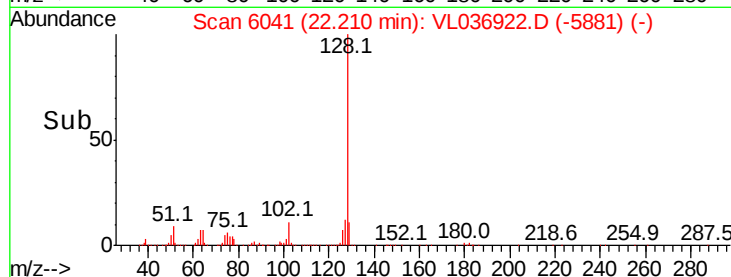
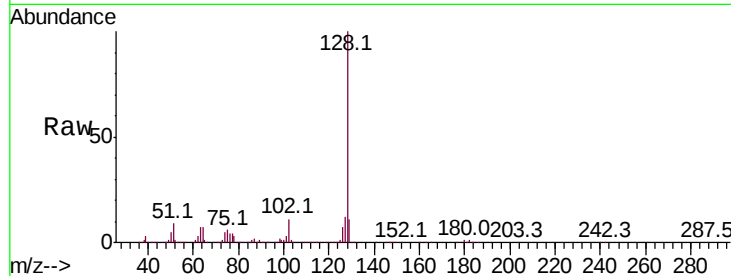
#79
Naphthalene
Concen: 13.077 ppbv
RT: 22.21 min Scan# 6041
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	15.8
129	10.8	9.0	13.4

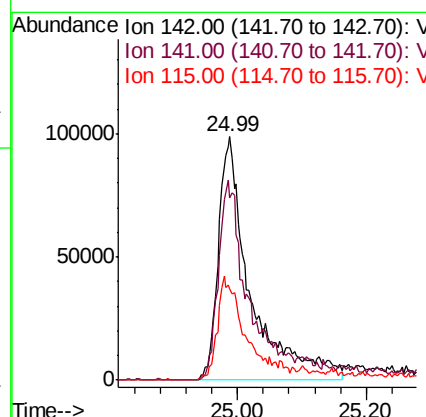
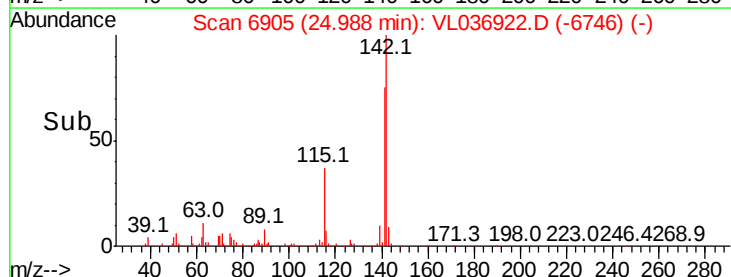
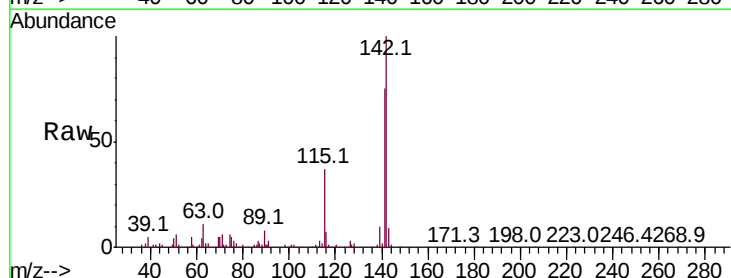
Manual Integrations
APPROVED

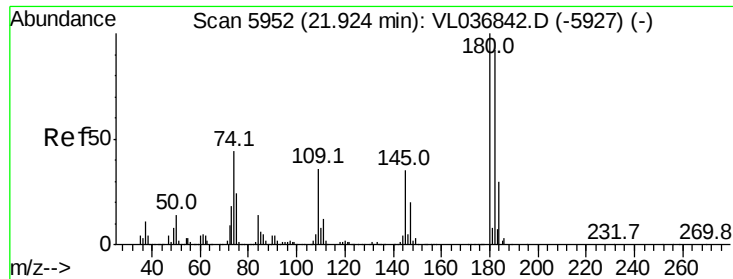
MMDadoda
5/10/2021 3:34:43 PM



#80
Naphthalene, 2-methyl-
Concen: 14.670 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.8	62.6	93.8
115	42.3	32.0	48.0





#81
 1,2,4-Trichlorobenzene
 Concen: 12.529 ppbv
 RT: 21.94 min Scan# 5956
 Delta R.T. 0.01 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	80.9	121.3
184	31.5	25.3	37.9

Manual Integrations
 APPROVED

MMDadoda
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