

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037316.D
 Acq On : 4 Aug 2021 19:21
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 1:39:57 PM

Quant Time: Aug 04 22:40:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 22:40:14 2021
 QLast Update : Wed Aug 04 22:14:21 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1228955	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3926692	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3500153	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2433337	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	168117	0.720	ppbv	93
3) Chlorodifluoromethane	2.98	51	144339	0.573	ppbv	100
4) Chloromethane	3.13	50	47298	0.530	ppbv	94
5) Vinyl Chloride	3.25	62	47455	0.487	ppbv	98
6) Bromomethane	3.47	94	31004	0.604	ppbv	99
7) Chloroethane	3.55	64	17534m	0.582	ppbv	
8) Dichlorotetrafluoroethane	3.18	85	135460	0.594	ppbv	99
9) Propene	3.00	41	53755	0.601	ppbv	99
10) Heptane	8.11	43	110395	0.518	ppbv	99
11) Trichlorofluoromethane	3.94	101	130517	0.570	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	90593	0.541	ppbv	92
13) Ethanol	3.63	45	10824m	1.225	ppbv	
14) Bromoethene	3.74	108	38840	0.526	ppbv #	88
15) Acetone	3.87	43	74866	0.552	ppbv #	62
16) 1,3-Butadiene	3.32	39	46443	0.537	ppbv	90
17) tert-Butyl alcohol	4.34	59	74330m	0.701	ppbv	
18) 1,1-Dichloroethene	4.28	96	41654	0.550	ppbv	95
19) Isopropyl Alcohol	4.01	45	42991m	0.630	ppbv	
20) Methylene Chloride	4.34	84	78571	0.702	ppbv	96
21) Allyl Chloride	4.40	41	62340m	0.675	ppbv	
22) trans-1,2-Dichloroethene	4.88	96	34587	0.494	ppbv	93
23) Vinyl Acetate	5.09	43	105521m	0.521	ppbv	
24) 1,1-Dichloroethane	5.01	63	96177	0.568	ppbv	97
25) Ethyl Acetate	5.68	43	197037m	0.631	ppbv	
26) Hexane	5.68	57	115072	0.583	ppbv	89
27) Carbon Disulfide	4.55	76	71943	0.454	ppbv #	86
28) Methyl tert-Butyl Ether	5.05	73	110444	0.556	ppbv	97
29) Chloroform	5.74	83	139109	0.557	ppbv	90
30) Cyclohexane	7.12	84	85029m	0.627	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	76489m	0.556	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	121765	0.549	ppbv	97
34) 2-Butanone	5.26	43	69264	0.501	ppbv #	83
35) Carbon Tetrachloride	7.01	117	120716	0.498	ppbv	96
36) Benzene	6.88	78	195316	0.548	ppbv	99
37) 1,2-Dichloroethane	6.30	62	86761	0.521	ppbv #	95
38) Trichloroethene	7.83	130	83202	0.542	ppbv	96
39) 1,2-Dichloropropane	7.60	63	73904m	0.641	ppbv	
40) 1,4-Dioxane	7.88	88	23623m	1.336	ppbv	
41) Tetrahydrofuran	6.08	42	37489m	0.646	ppbv	
42) Bromodichloromethane	7.78	83	119402	0.479	ppbv	94
43) Methyl Methacrylate	8.02	69	62945m	0.571	ppbv	

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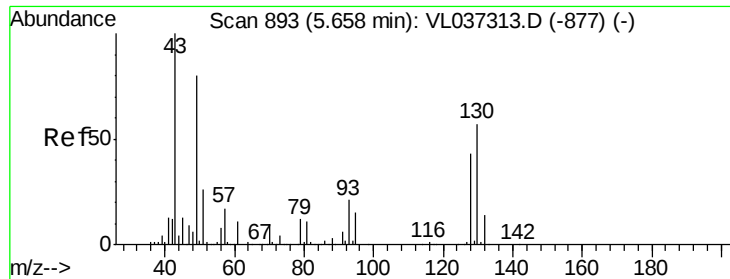
Manual Integrations
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Quant Time: Aug 04 22:40:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	329848	0.559	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	37282m	0.418	ppbv	
46) cis-1,3-Dichloropropene	8.70	75	63199	0.458	ppbv	93
47) 1,1,2-Trichloroethane	9.47	97	75517	0.603	ppbv	95
48) Dibromochloromethane	10.29	129	94855	0.446	ppbv	100
49) Bromoform	13.03	173	65790	0.402	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	101855m	0.512	ppbv	
51) 2-Hexanone	10.18	43	37776m	0.568	ppbv	
52) Tetrachloroethene	11.21	164	73951	0.575	ppbv	97
53) Toluene	9.80	91	228043	0.541	ppbv	98
54) 1,2-Dibromoethane	10.60	107	98726m	0.541	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	82361	0.538	ppbv #	1
57) Chlorobenzene	12.13	112	169113	0.569	ppbv #	94
58) Ethyl Benzene	12.70	91	288878	0.560	ppbv	96
59) m/p-Xylene	12.98	91	465422m	1.645	ppbv	
60) o-Xylene	13.68	91	217516	0.545	ppbv	97
61) Styrene	13.52	104	110445	0.505	ppbv	98
62) Isopropylbenzene	14.65	105	325531	0.637	ppbv	95
63) 1,1,2,2-Tetrachloroethane	13.67	83	148154m	0.623	ppbv	
64) n-propylbenzene	15.55	120	79808	0.528	ppbv	83
65) tert-Butylbenzene	16.73	119	293261m	0.610	ppbv	
66) Benzyl Chloride	16.98	91	10670m	0.109	ppbv	
67) sec-Butylbenzene	17.28	105	397667	0.620	ppbv	100
69) p-Isopropyltoluene	17.64	119	316993	0.527	ppbv	97
70) n-Butylbenzene	18.55	91	281230	0.512	ppbv	99
71) 2-Chlorotoluene	15.44	91	223767	0.553	ppbv	98
72) 4-Ethyltoluene	15.82	105	250205	0.524	ppbv	97
73) 1,3,5-Trimethylbenzene	15.98	105	228448	0.530	ppbv	91
74) 1,2,4-Trimethylbenzene	16.75	105	239638	0.521	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	149535	0.527	ppbv	96
76) 1,4-Dichlorobenzene	17.12	146	158648m	0.581	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	144041m	0.532	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	147244m	0.688	ppbv	
79) Naphthalene	22.19	128	155709	0.397	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	9757m	0.158	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	105590	0.520	ppbv	92

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL037316.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1228955

Ion Ratio Lower Upper

49 100

128 60.1 29.8 89.5

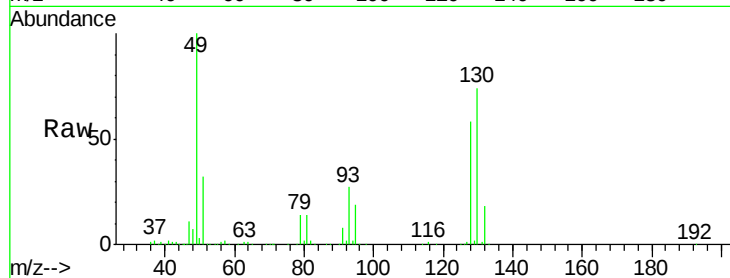
130 78.1 37.5 112.7

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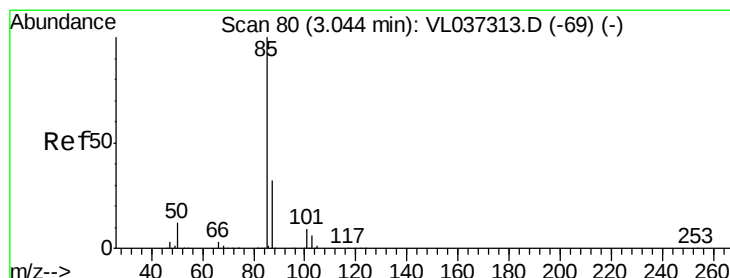
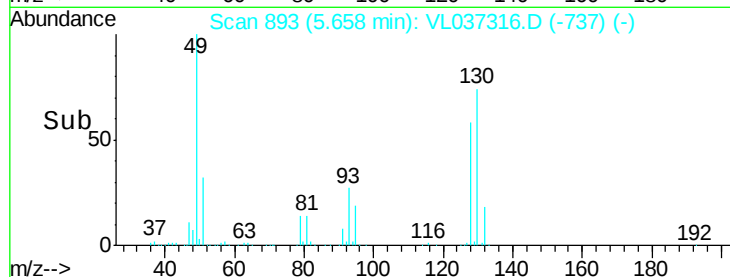
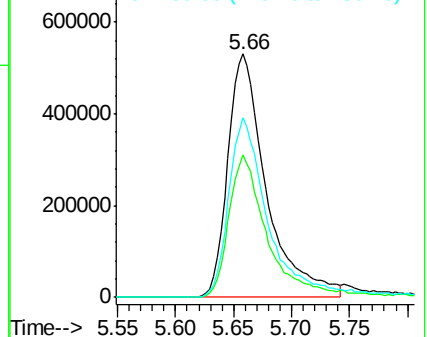
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.720 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL037316.D

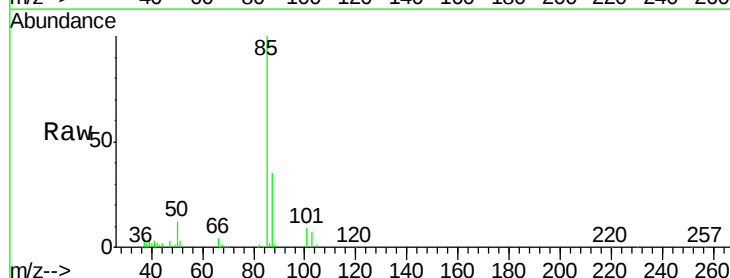
Acq: 4 Aug 2021 19:21

Tgt Ion: 85 Resp: 168117

Ion Ratio Lower Upper

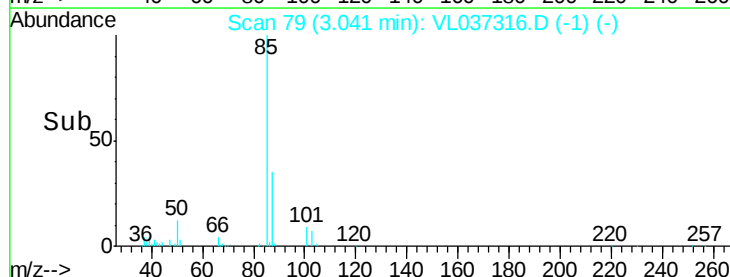
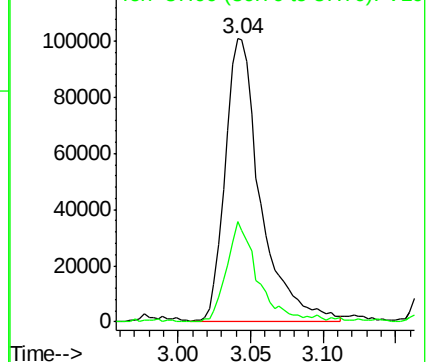
85 100

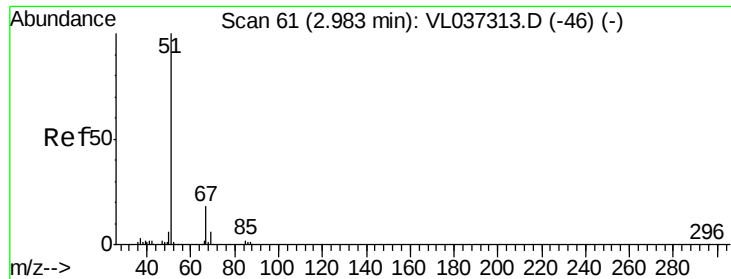
87 35.6 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.573 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 144339

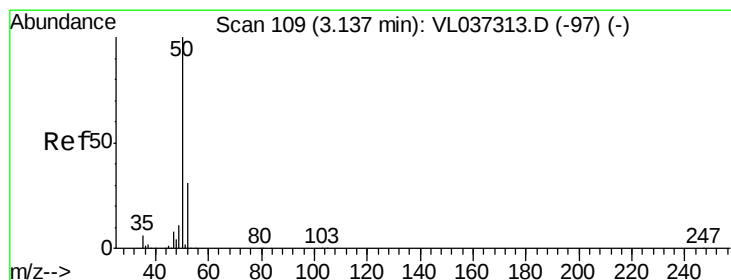
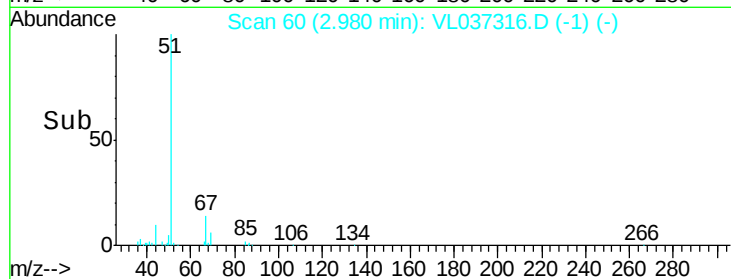
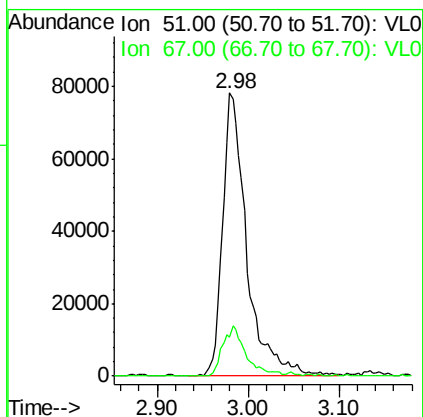
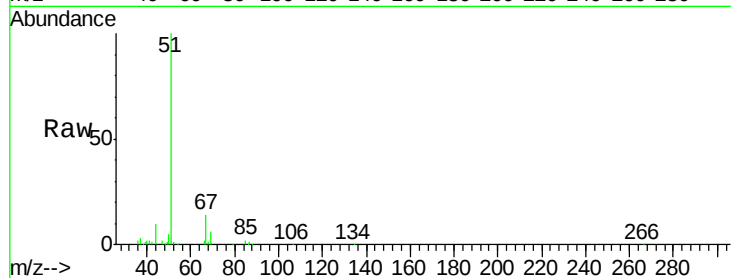
Ion Ratio Lower Upper

51 100

67 17.8 14.2 21.2

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#4

Chloromethane

Concen: 0.530 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL037316.D

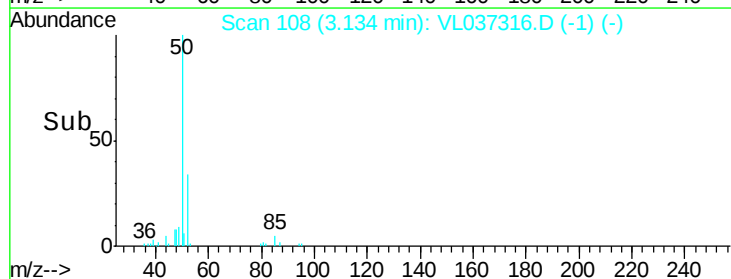
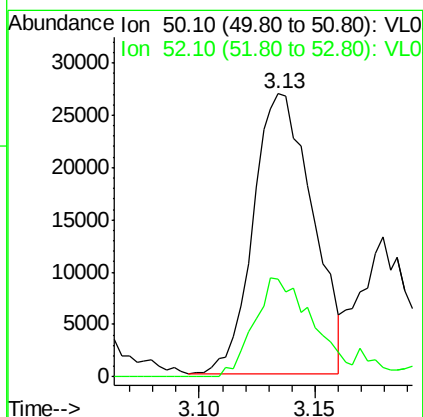
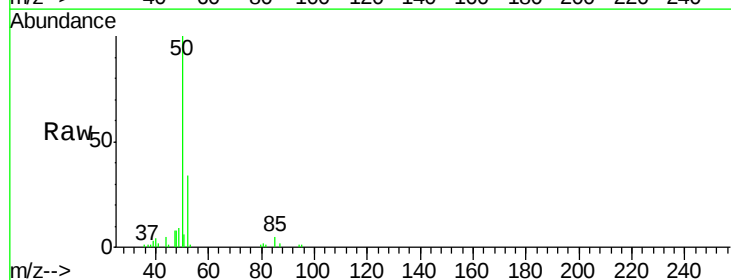
Acq: 4 Aug 2021 19:21

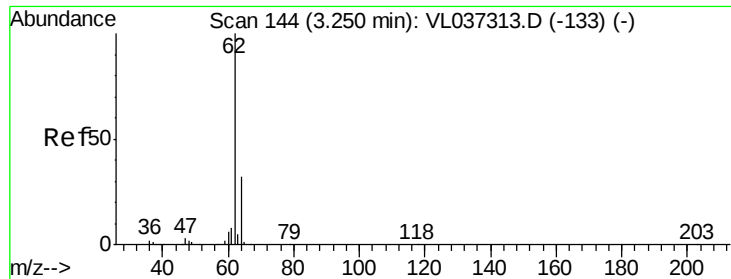
Tgt Ion: 50 Resp: 47298

Ion Ratio Lower Upper

50 100

52 34.8 25.1 37.7





#5

Vinyl Chloride

Concen: 0.487 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 47455

Ion Ratio Lower Upper

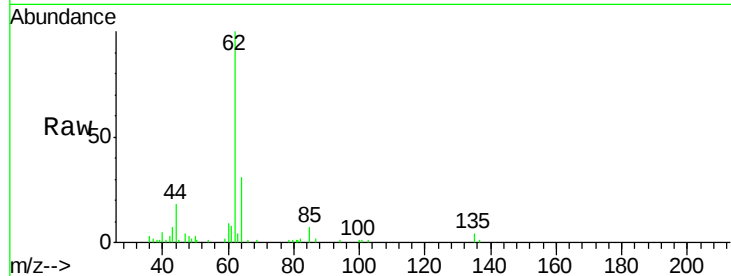
62 100

64 31.0 25.7 38.5

Manual Integrations
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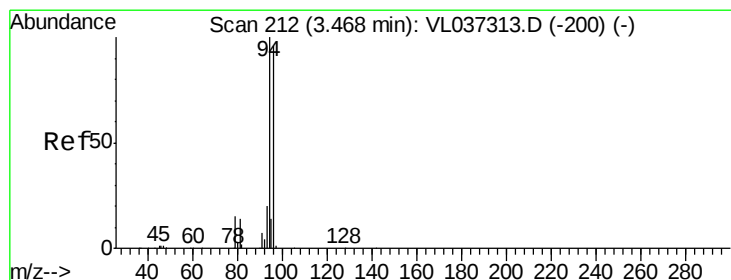
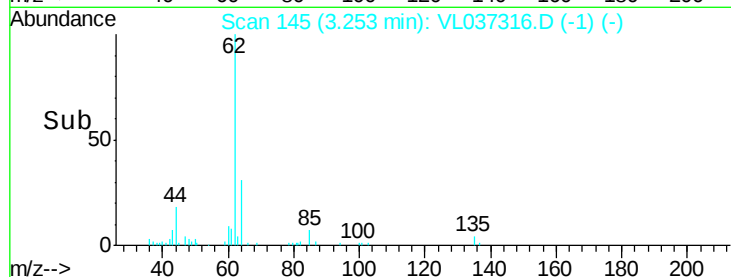
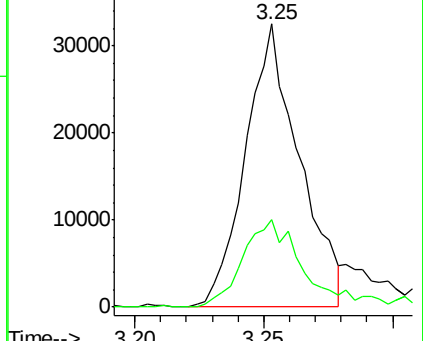
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.604 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL037316.D

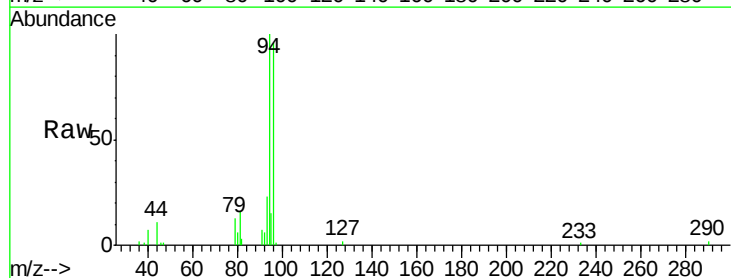
Acq: 4 Aug 2021 19:21

Tgt Ion: 94 Resp: 31004

Ion Ratio Lower Upper

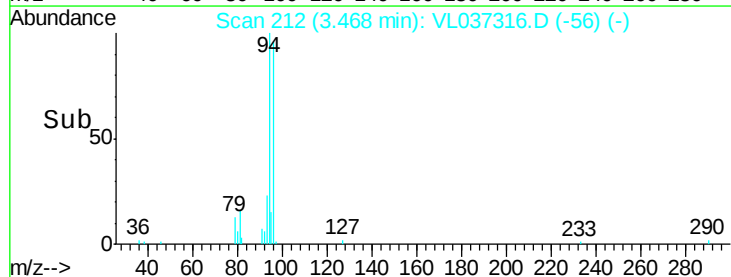
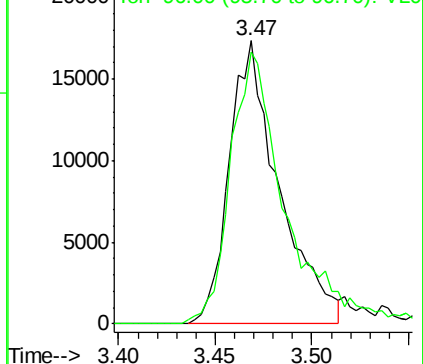
94 100

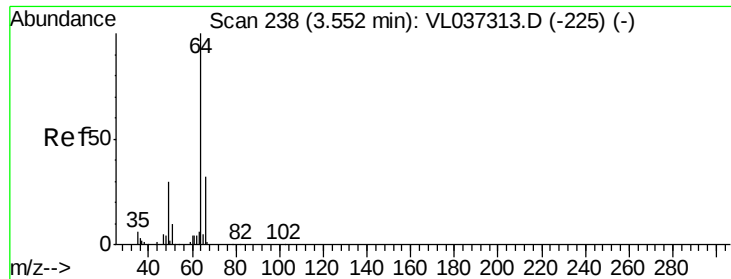
96 94.7 76.7 115.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.582 ppbv m

RT: 3.55 min Scan# 237

Delta R.T. -0.00 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 17534

Ion Ratio Lower Upper

64 100

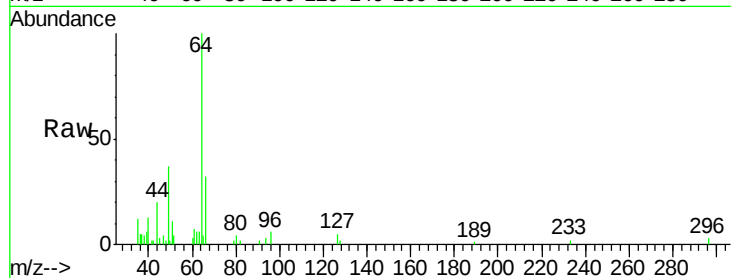
66 32.3 25.5 38.3

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

12000

10000

8000

6000

4000

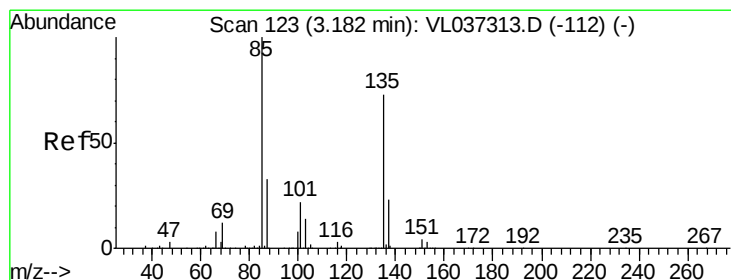
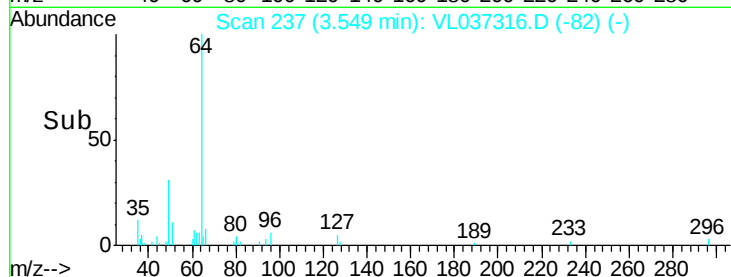
2000

0

3.50

3.55

Time-->



#8

Dichlorotetrafluoroethane

Concen: 0.594 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL037316.D

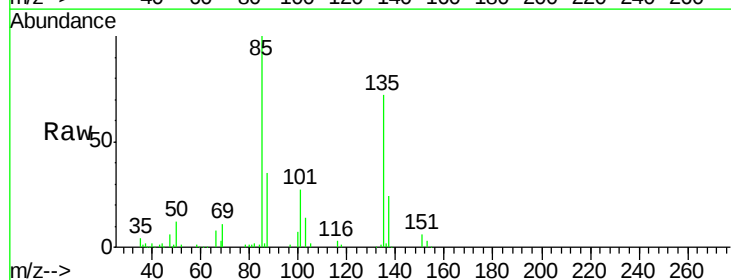
Acq: 4 Aug 2021 19:21

Tgt Ion: 85 Resp: 135460

Ion Ratio Lower Upper

85 100

135 76.7 60.6 91.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

80000

60000

40000

20000

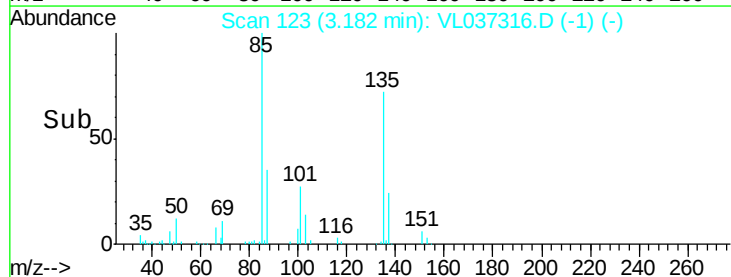
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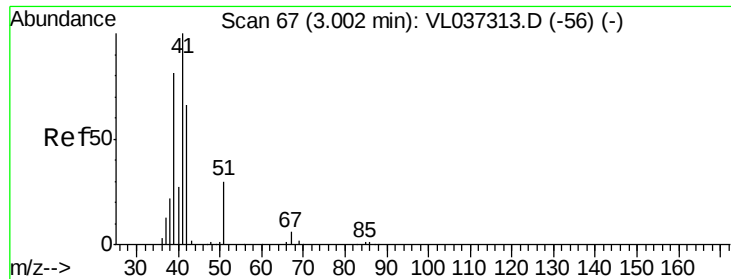
3.15

3.20

3.25

Time-->





#9

Propene

Concen: 0.601 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 53755

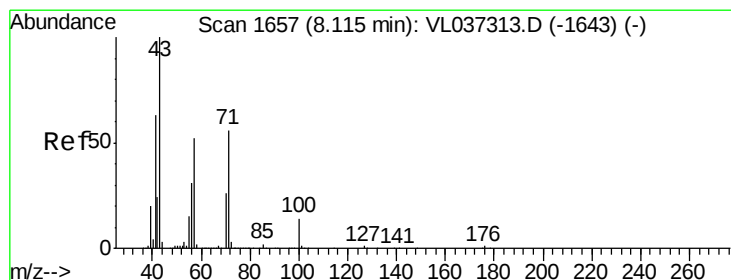
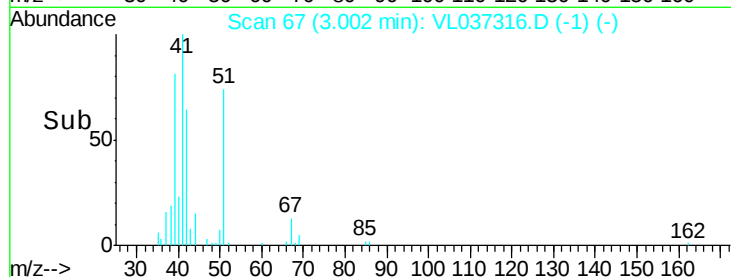
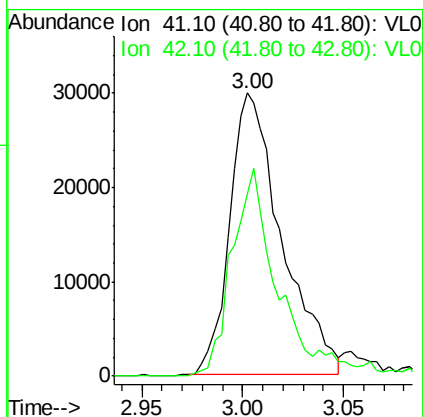
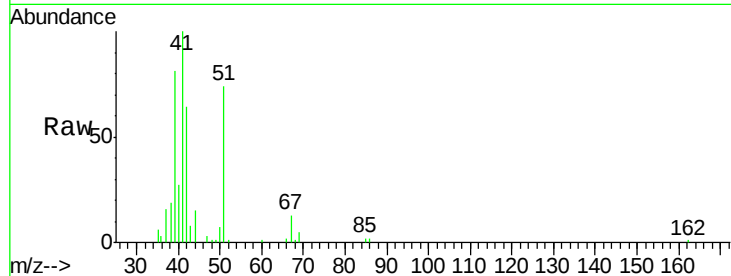
Ion Ratio Lower Upper

41 100

42 68.0 53.8 80.8

Manual Integrations
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#10

Heptane

Concen: 0.518 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VL037316.D

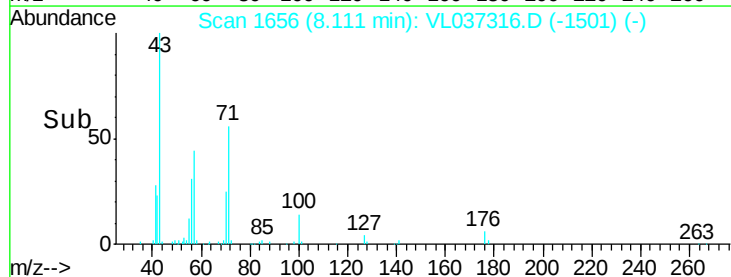
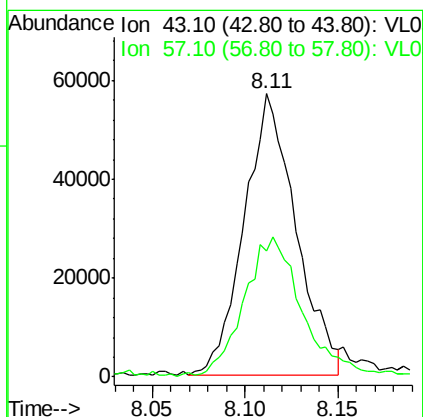
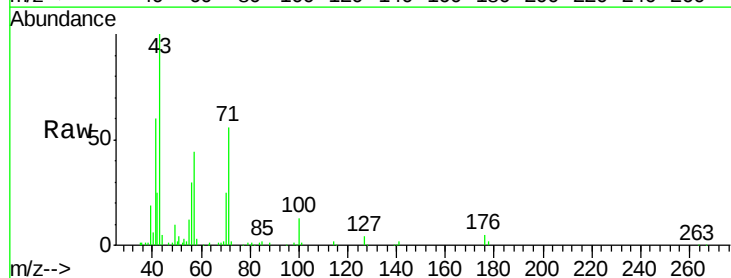
Acq: 4 Aug 2021 19:21

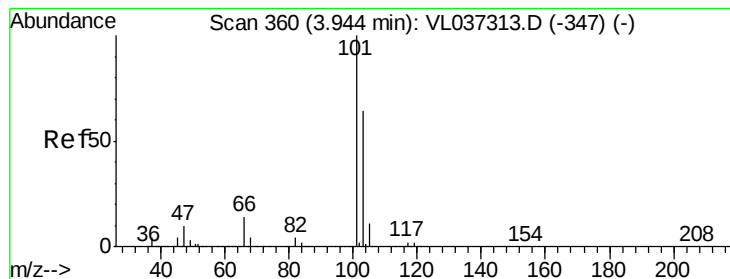
Tgt Ion: 43 Resp: 110395

Ion Ratio Lower Upper

43 100

57 54.0 42.4 63.6





#11

Trichlorofluoromethane

Concen: 0.570 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.00 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:101 Resp: 130517

Ion Ratio Lower Upper

101 100

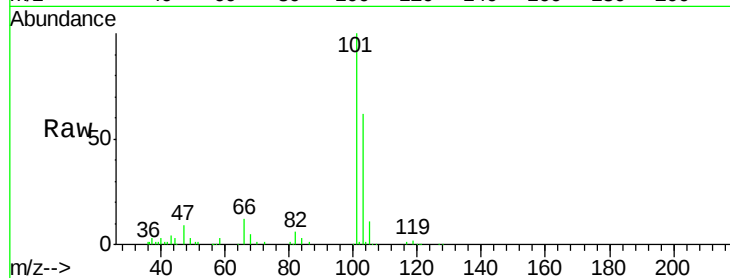
103 61.6 51.6 77.4

Manual Integrations

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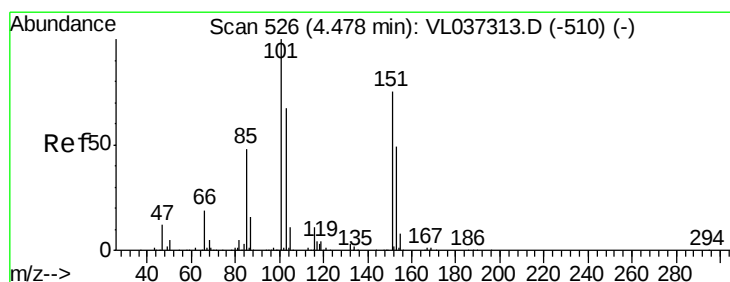
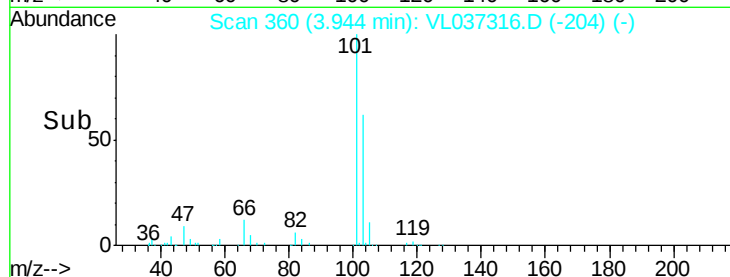
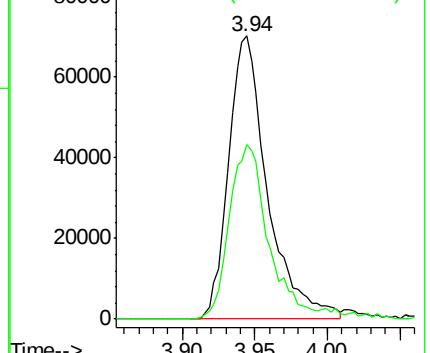
MMDadoda

8/5/2021 1:39:57 PM



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: 0.541 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL037316.D

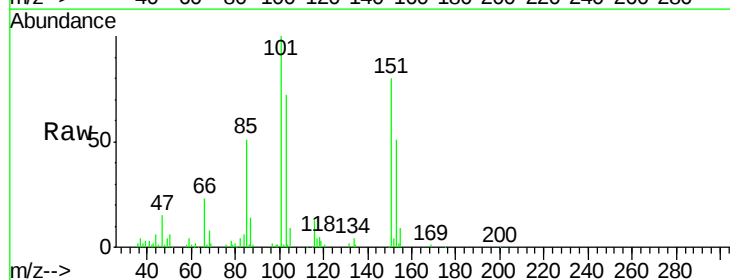
Acq: 4 Aug 2021 19:21

Tgt Ion:101 Resp: 90593

Ion Ratio Lower Upper

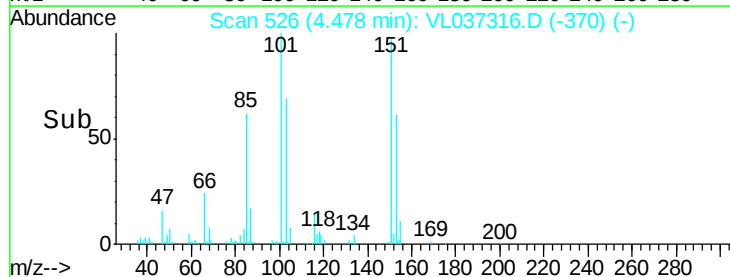
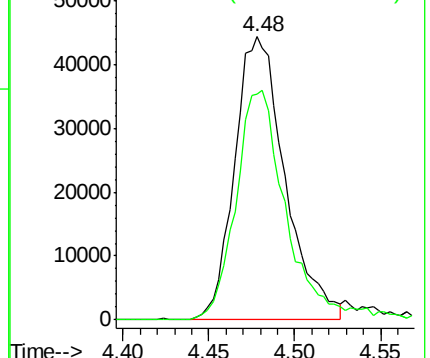
101 100

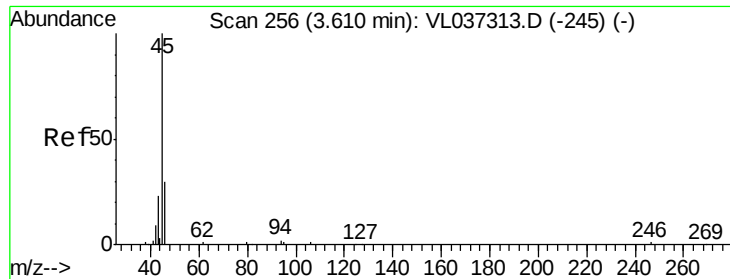
151 82.4 60.6 91.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





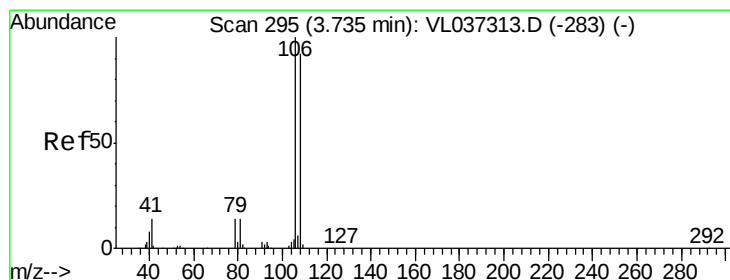
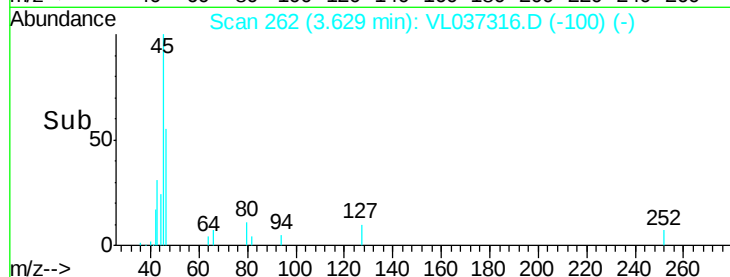
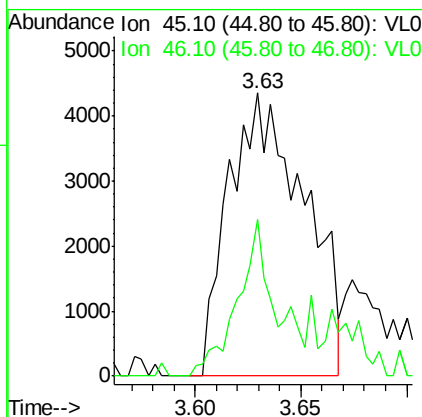
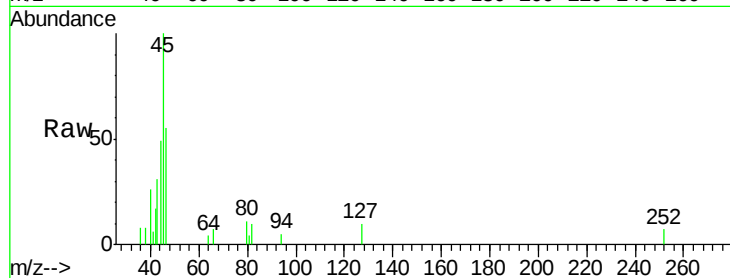
#13
Ethanol
Concen: 1.225 ppbv m
RT: 3.63 min Scan# 262
Delta R.T. 0.02 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.6	66.4#

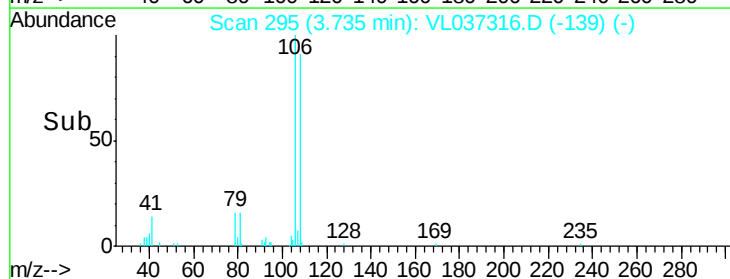
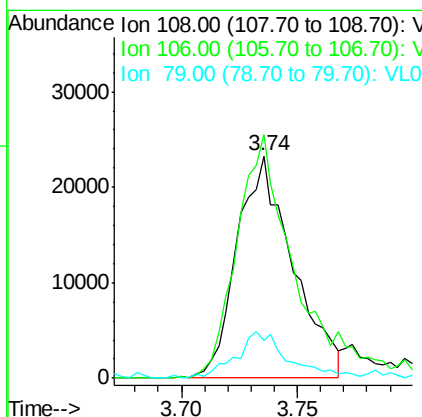
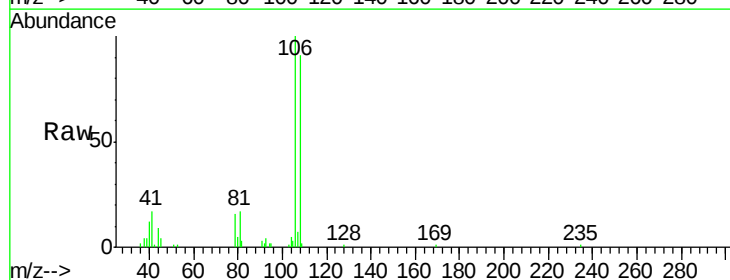
Manual Integrations
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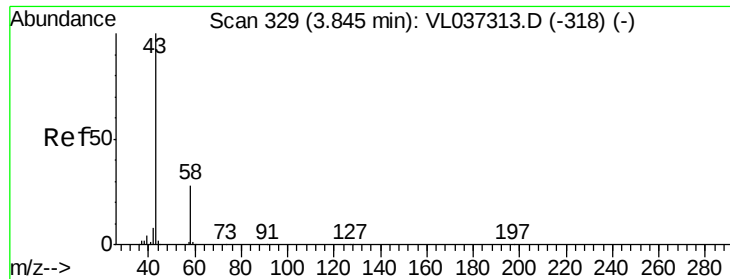
MMDadoda
8/5/2021 1:39:57 PM



#14
Bromoethene
Concen: 0.526 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Tgt Ion	Ratio	Lower	Upper
108	100		
106	121.2	86.9	130.3
79	21.4	12.3	18.5#





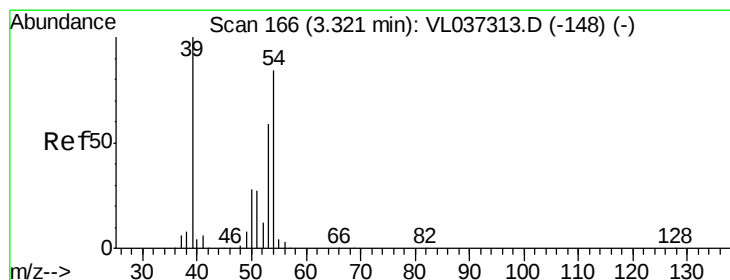
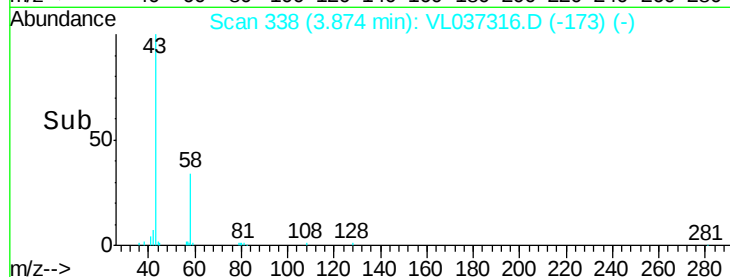
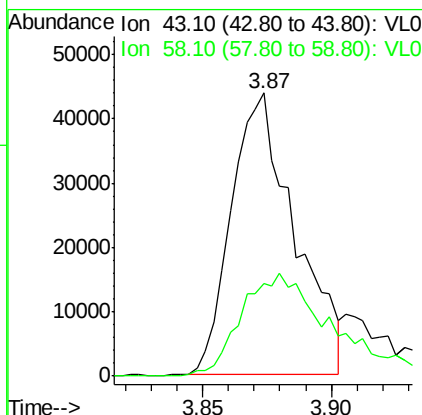
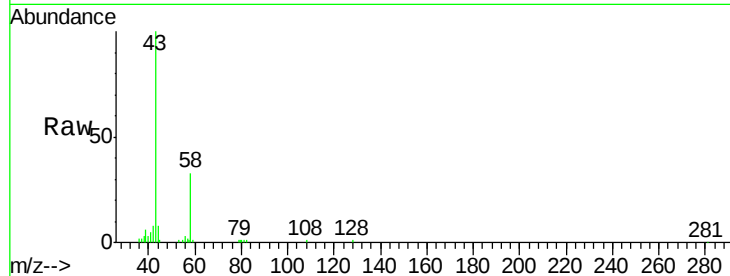
#15
Acetone
Concen: 0.552 ppbv
RT: 3.87 min Scan# 338
Delta R.T. 0.03 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 43 Resp: 74866
Ion Ratio Lower Upper
43 100
58 52.7 25.3 37.9#

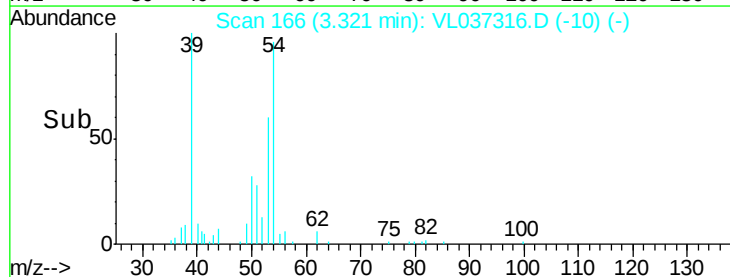
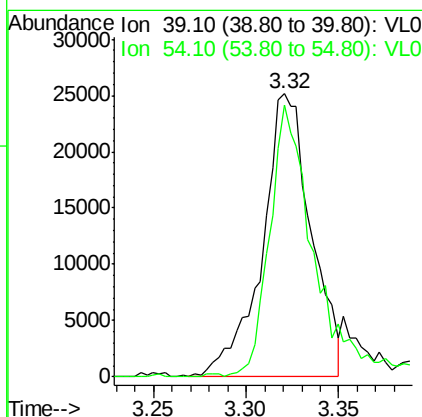
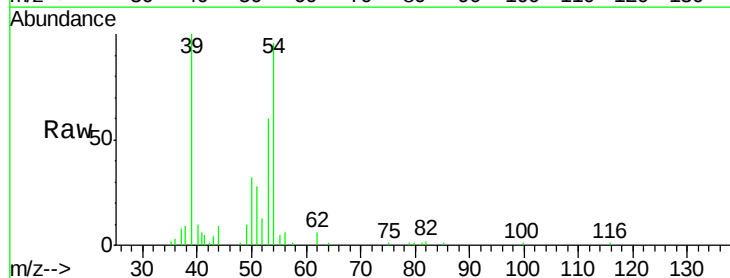
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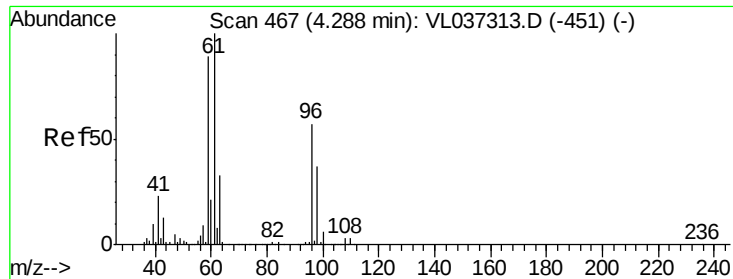
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#16
1,3-Butadiene
Concen: 0.537 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Tgt Ion: 39 Resp: 46443
Ion Ratio Lower Upper
39 100
54 91.7 66.1 99.1





#17

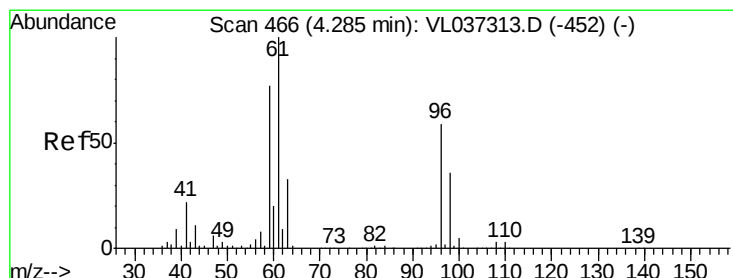
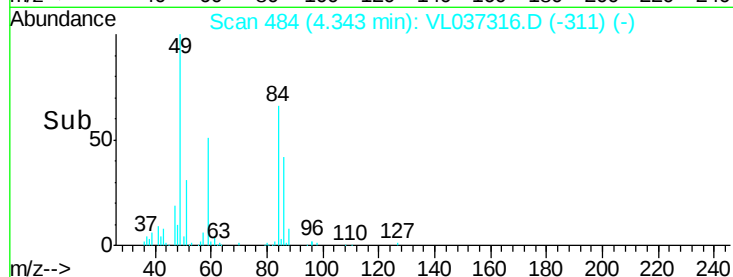
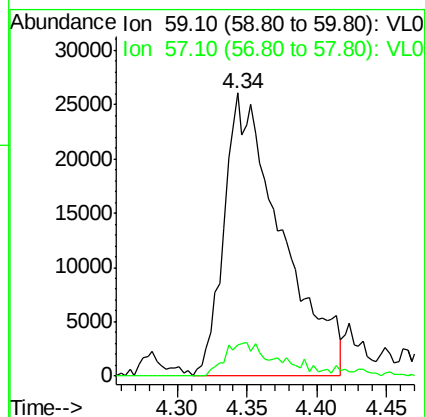
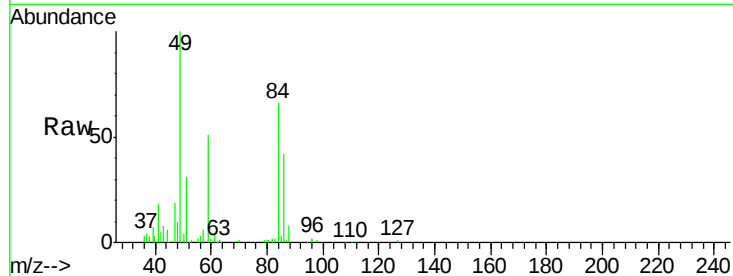
tert-Butyl alcohol
Concen: 0.701 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.05 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 59 Resp: 74330
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

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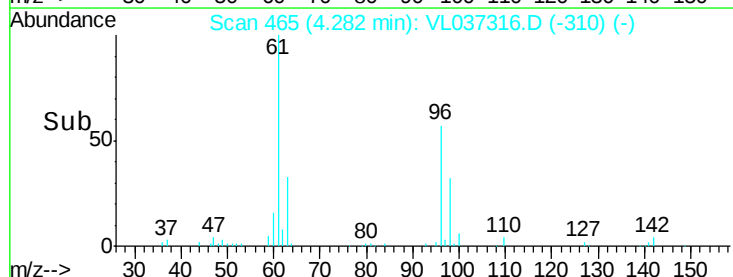
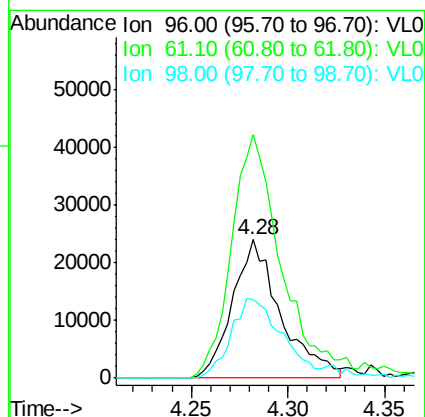
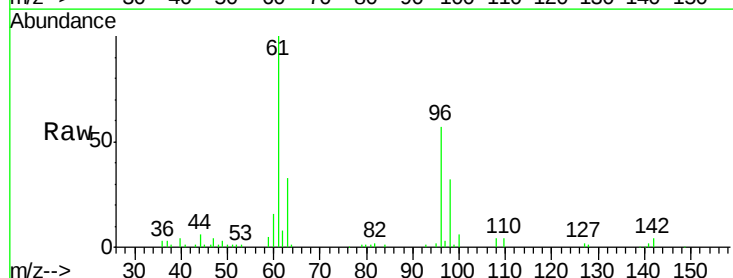
MMDadoda
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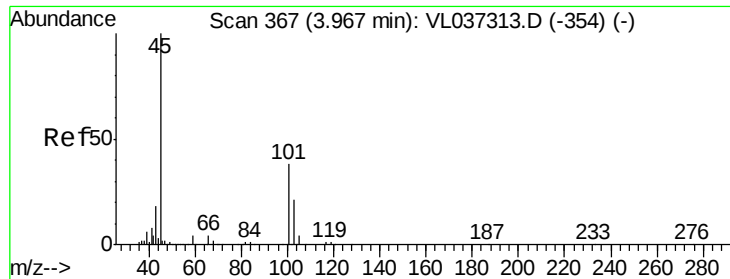


#18

1,1-Dichloroethene
Concen: 0.550 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Tgt Ion: 96 Resp: 41654
Ion Ratio Lower Upper
96 100
61 175.8 135.7 203.5
98 56.9 48.6 72.8





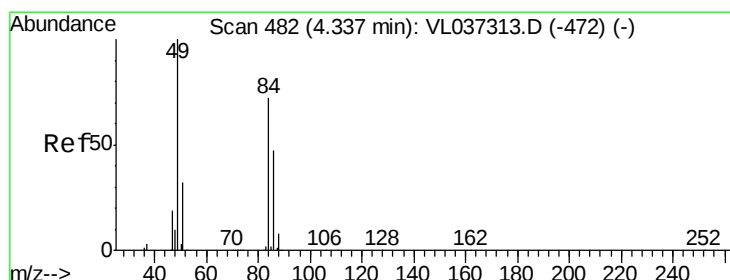
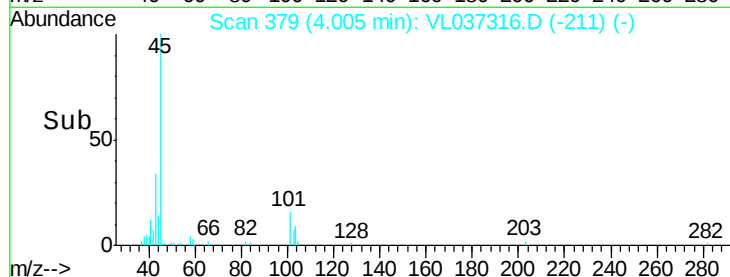
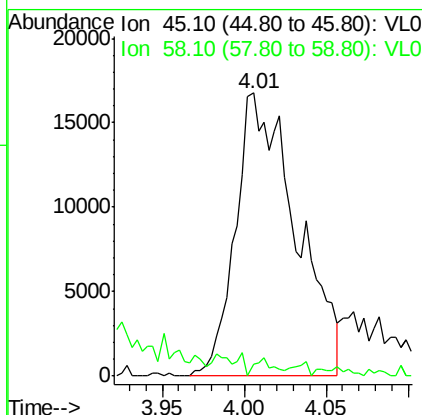
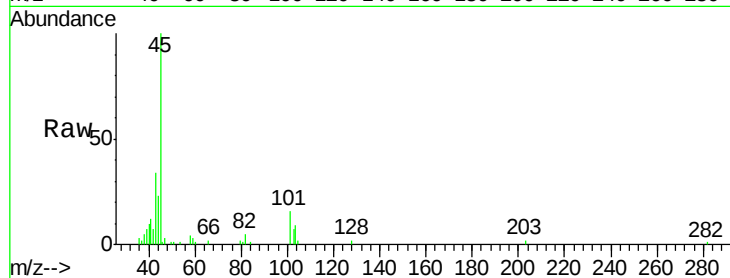
#19
Isopropyl Alcohol
Concen: 0.630 ppbv m
RT: 4.01 min Scan# 379
Delta R.T. 0.04 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 42991
Ion Ratio Lower Upper
45 100
58 5.2 1.8 2.8#

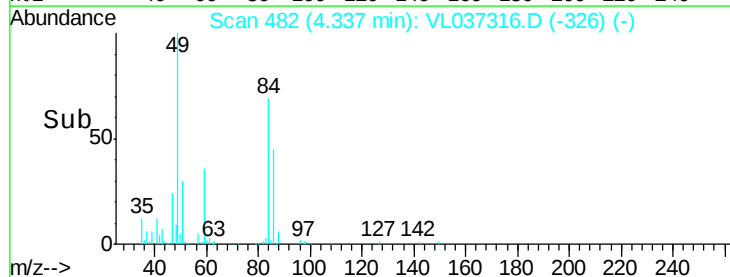
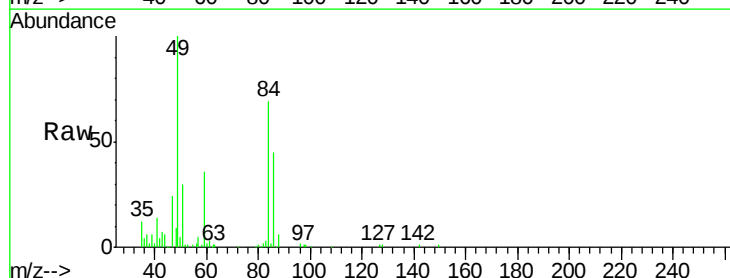
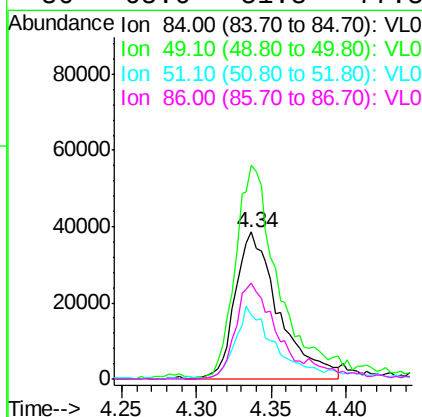
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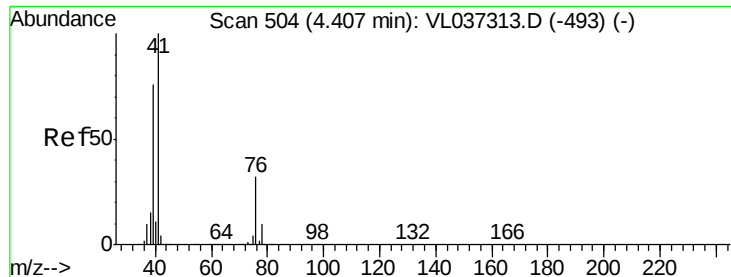
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#20
Methylene Chloride
Concen: 0.702 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Tgt Ion: 84 Resp: 78571
Ion Ratio Lower Upper
84 100
49 144.4 110.4 165.6
51 41.6 35.8 53.6
86 65.6 51.8 77.8





#21

Allvl Chloride

Concen: 0.675 ppbv m

RT: 4.40 min Scan# 503

Delta R.T. -0.00 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Instrument :

MSVOA_L

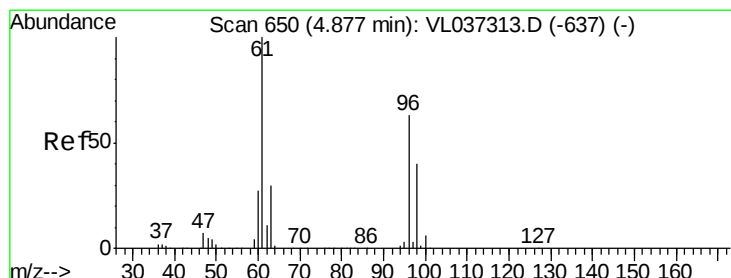
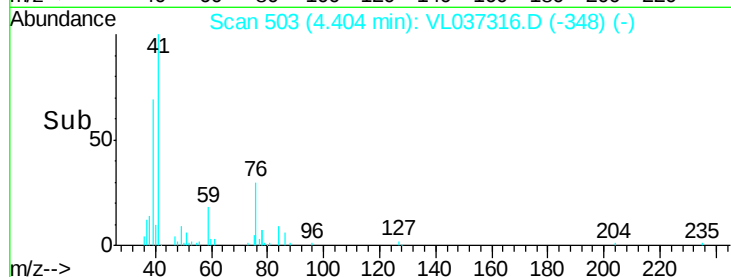
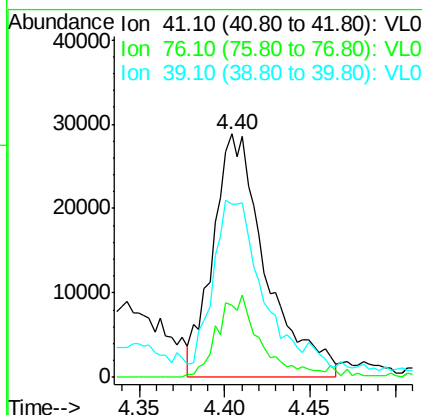
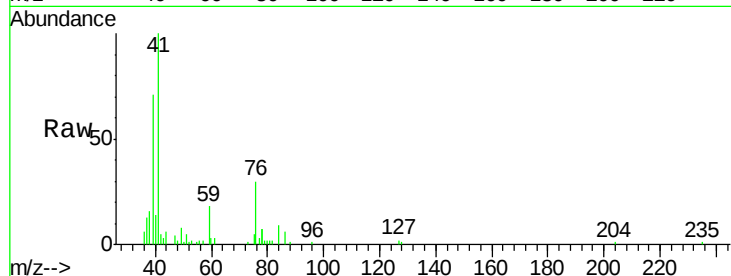
ClientSampleId :

VSTDIC0.5

Tot Ion:	41	Resp:	62340
Ion	Ratio	Lower	Upper
41	100		
76	28.8	25.7	38.5
39	0.0	59.0	88.4#

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#22

trans-1,2-Dichloroethene

Concen: 0.494 ppbv

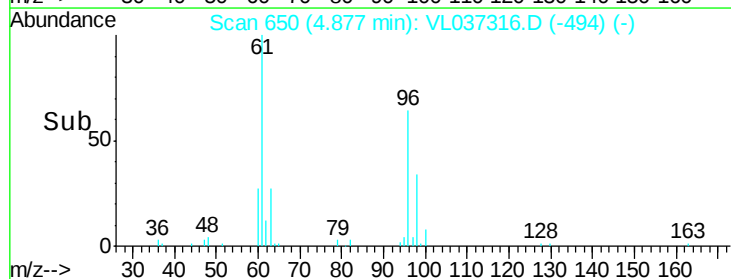
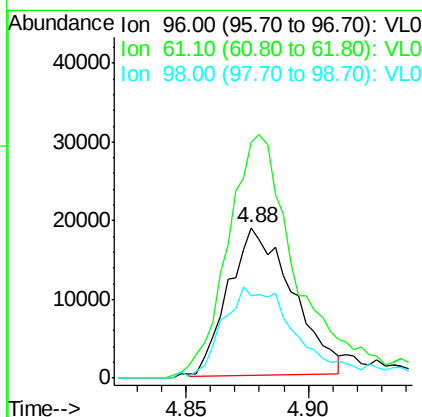
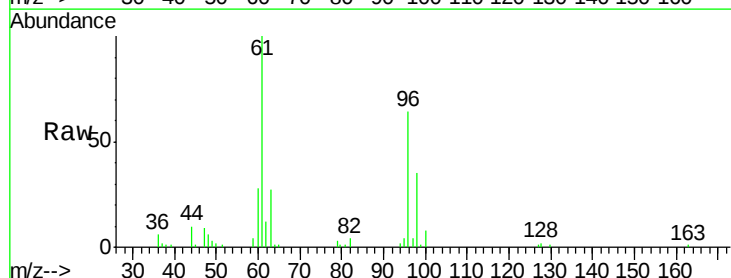
RT: 4.88 min Scan# 650

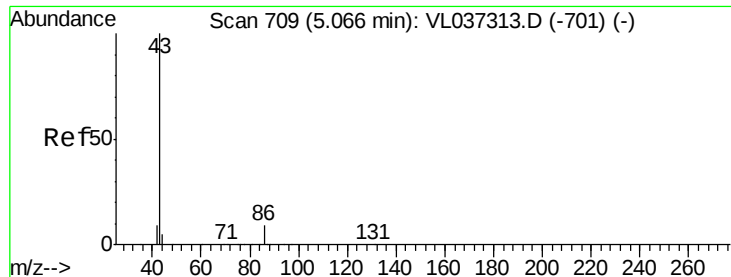
Delta R.T. 0.00 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Tgt Ion:	96	Resp:	34587
Ion	Ratio	Lower	Upper
96	100		
61	152.0	126.7	190.1
98	54.7	50.9	76.3





#23

Vinyl Acetate

Concen: 0.521 ppbv m

RT: 5.09 min Scan# 715

Delta R.T. 0.02 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Instrument :

MSVOA_L

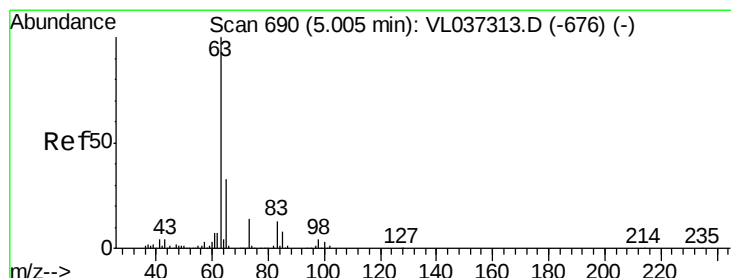
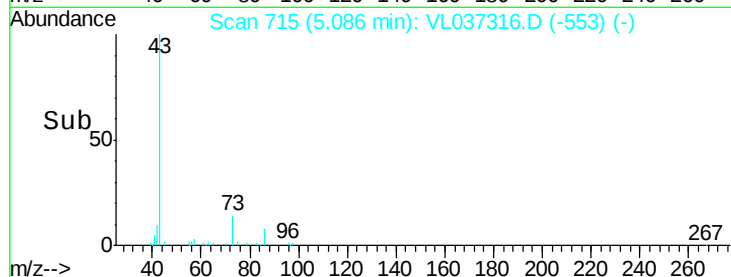
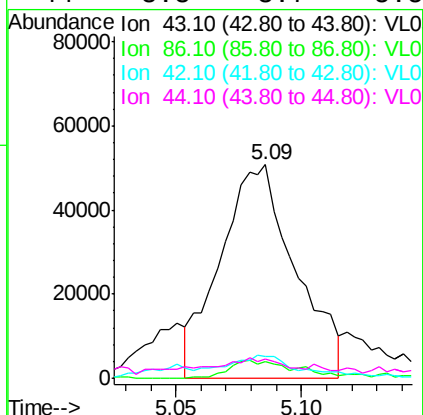
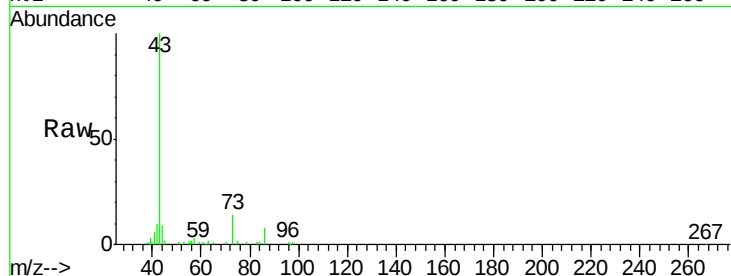
ClientSampleId :

VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		105521		
86	7.8	6.2	9.2		
42	10.1	7.7	11.5		
44	8.8	3.7	5.5		

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#24

1,1-Dichloroethane

Concen: 0.568 ppbv

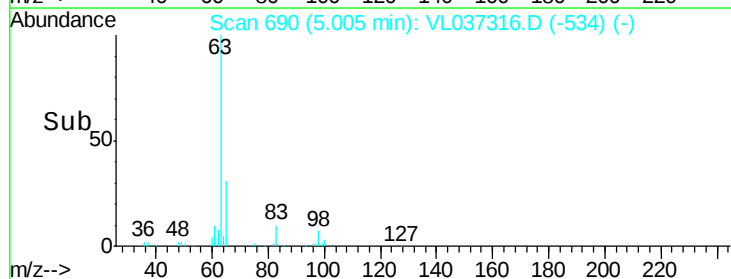
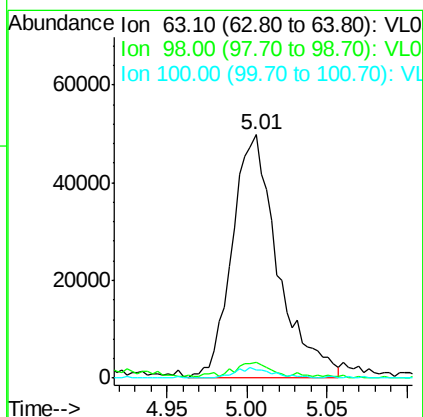
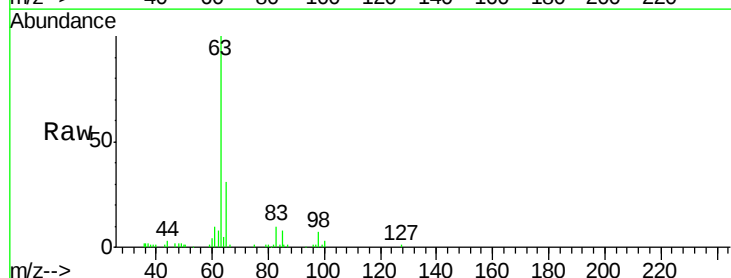
RT: 5.01 min Scan# 690

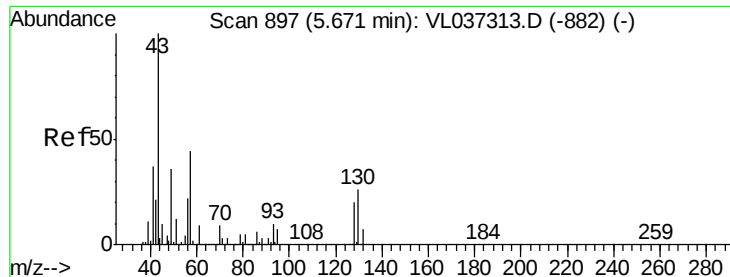
Delta R.T. 0.00 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		96177		
98	6.0	2.4	7.2		
100	3.3	1.5	4.4		





#25

Ethyl Acetate

Concen: 0.631 ppbv m

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 197037
Ion Ratio Lower Upper

43 100

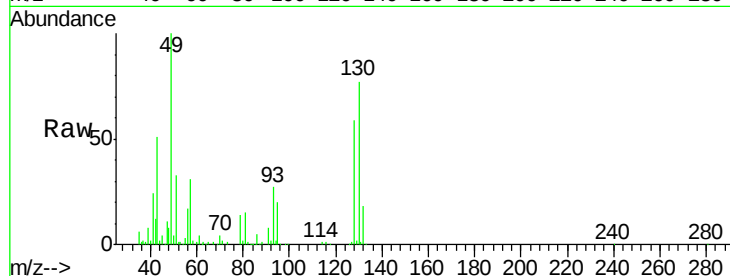
45 0.0 7.8 11.8#

61 0.0 8.6 12.8#

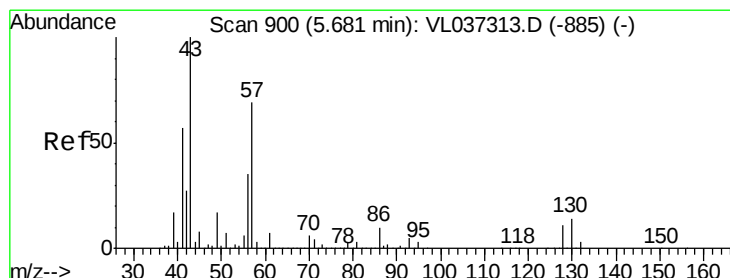
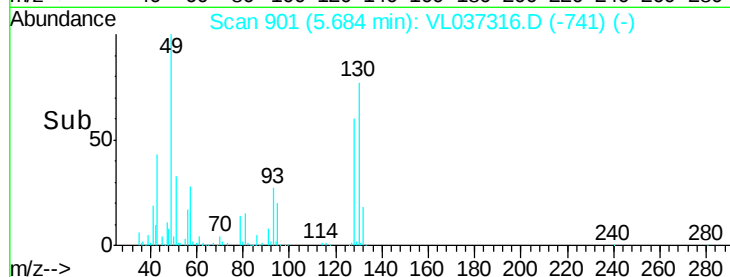
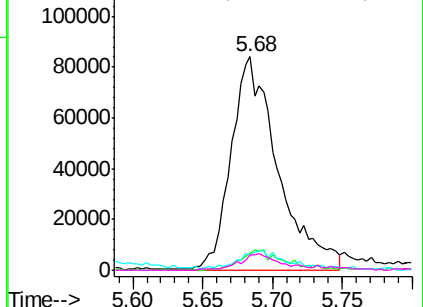
70 0.0 5.9 8.9#

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.583 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.00 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

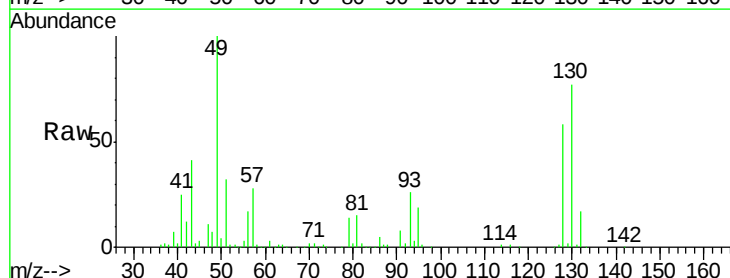
Tgt Ion: 57 Resp: 115072
Ion Ratio Lower Upper

57 100

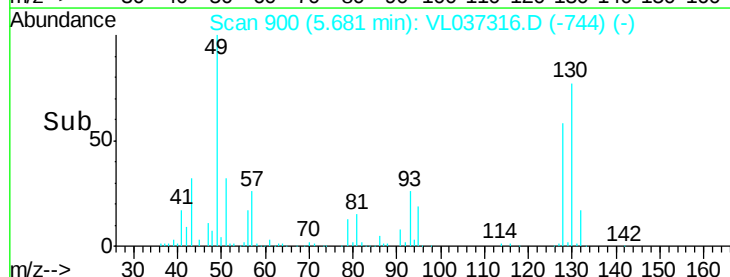
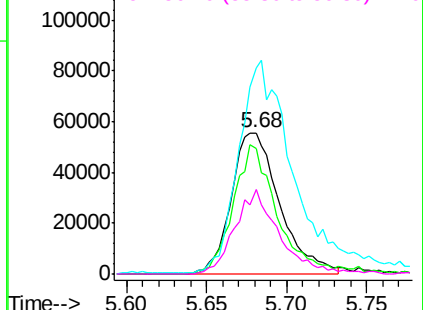
41 87.1 67.5 101.3

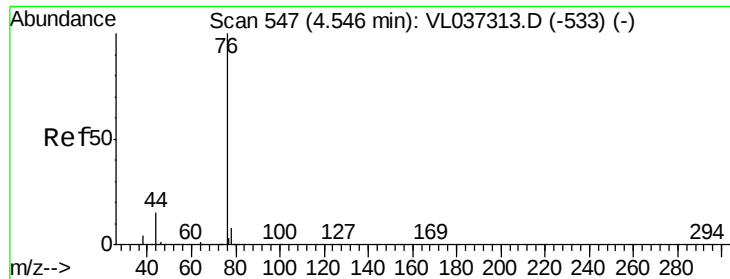
43 178.3 163.0 244.4

56 55.3 41.5 62.3



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





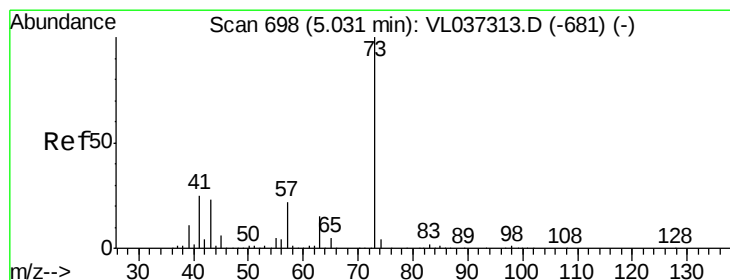
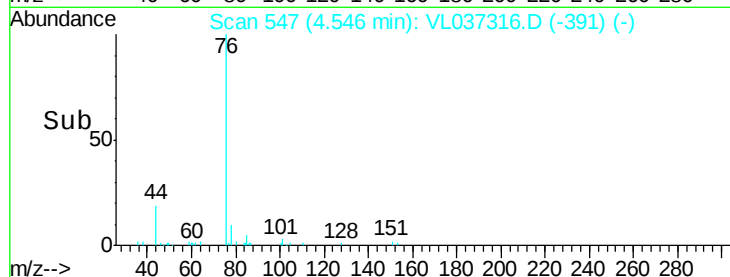
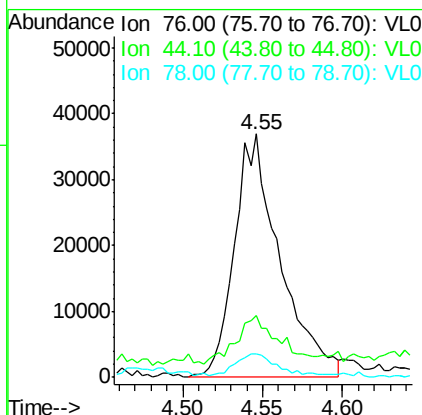
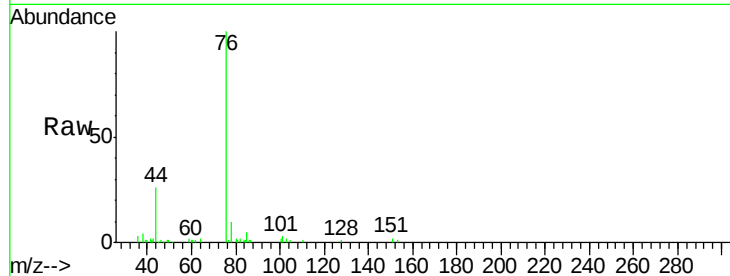
#27
Carbon Disulfide
Concen: 0.454 ppbv
RT: 4.55 min Scan# 547
Delta R.T. 0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
76	100		
44	25.1	13.1	19.7#
78	10.8	8.0	12.0

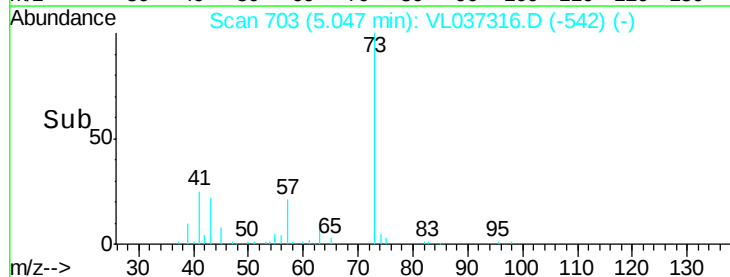
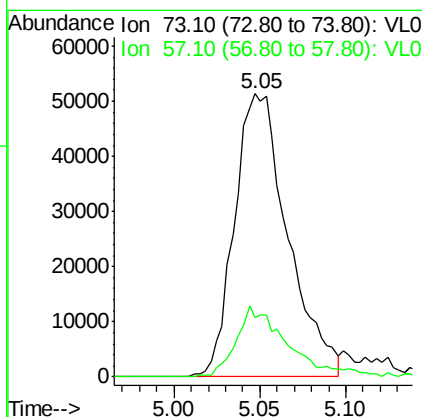
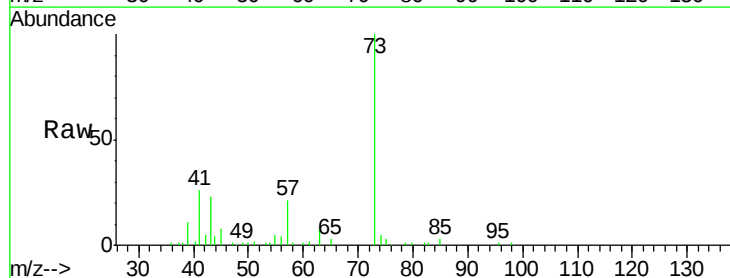
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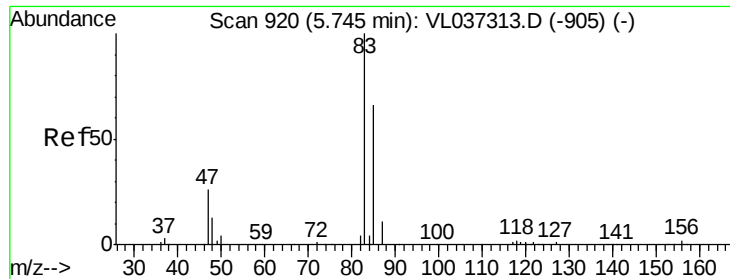
MMDadoda
8/5/2021 1:39:57 PM



#28
Methyl tert-Butyl Ether
Concen: 0.556 ppbv
RT: 5.05 min Scan# 703
Delta R.T. 0.02 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.4	18.2	27.4





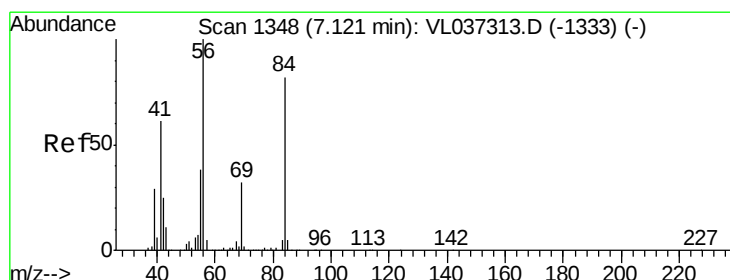
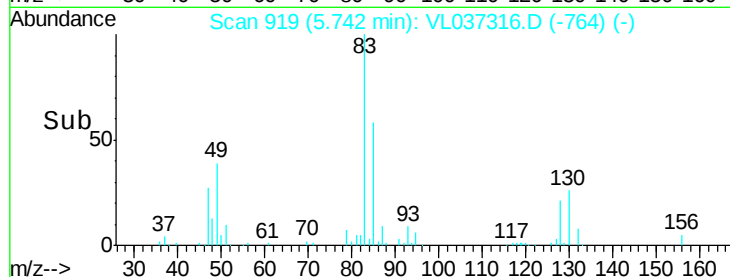
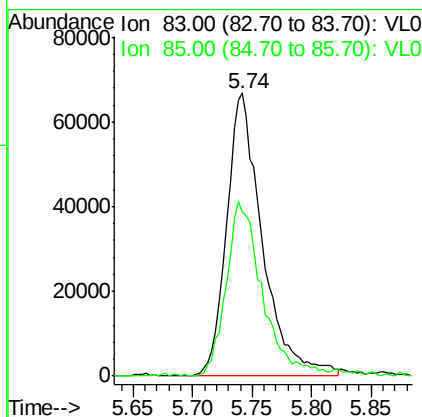
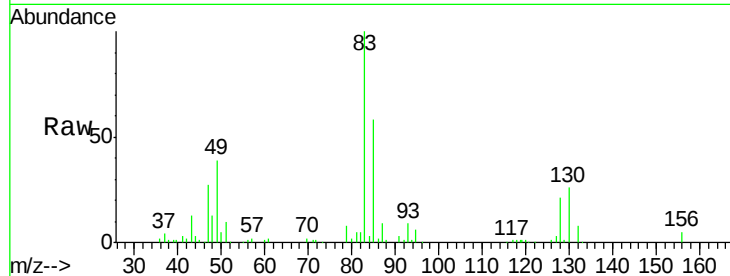
#29
Chloroform
Concen: 0.557 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	139109
Ion Ratio	100	Lower	Upper
85	57.9	52.6	79.0

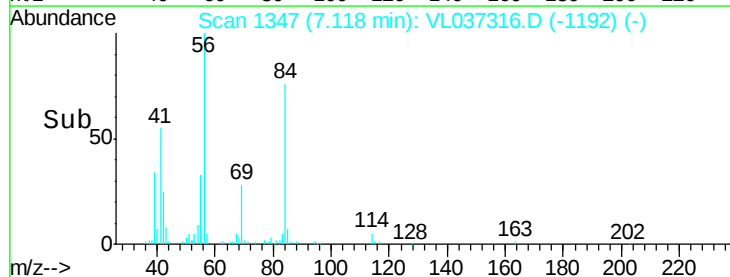
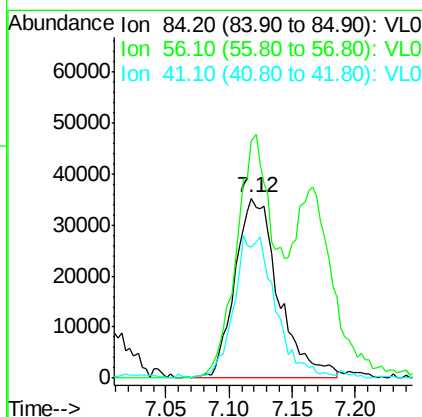
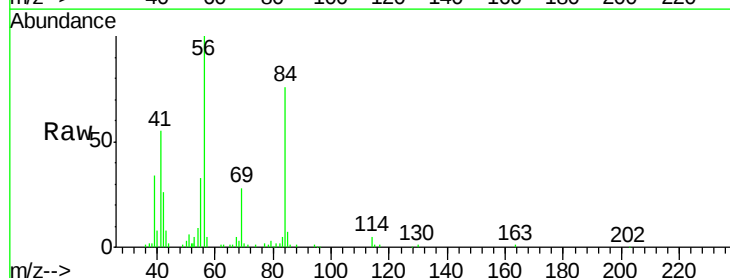
Manual Integrations
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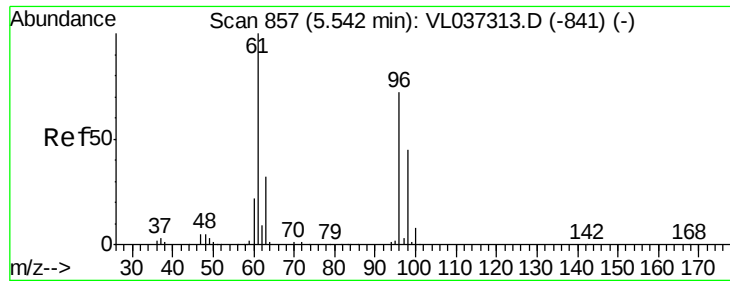
MMDadoda
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#30
Cyclohexane
Concen: 0.627 ppbv m
RT: 7.12 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Tgt Ion	84	Resp	85029
Ion Ratio	100	Lower	Upper
56	107.8	105.2	157.8
41	73.5	61.3	91.9





#31

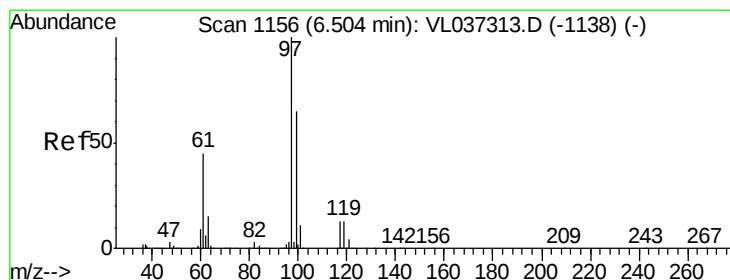
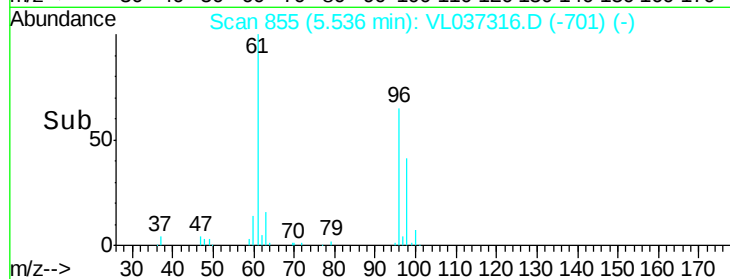
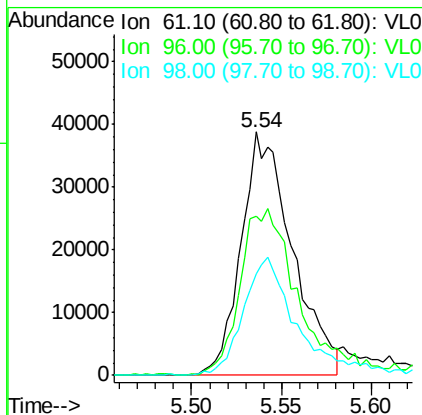
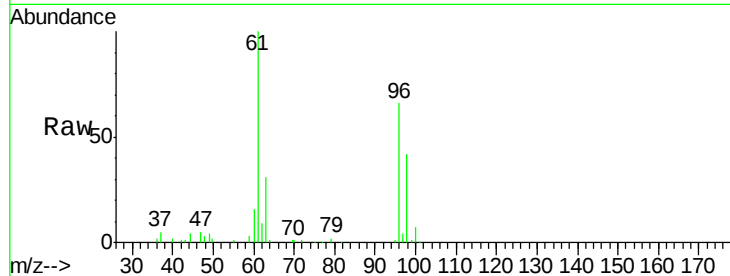
cis-1,2-Dichloroethene
Concen: 0.556 ppbv m
RT: 5.54 min Scan# 855
Delta R.T. -0.01 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
61	100	76489		
96	65.5		57.4	86.0
98	41.9		36.3	54.5

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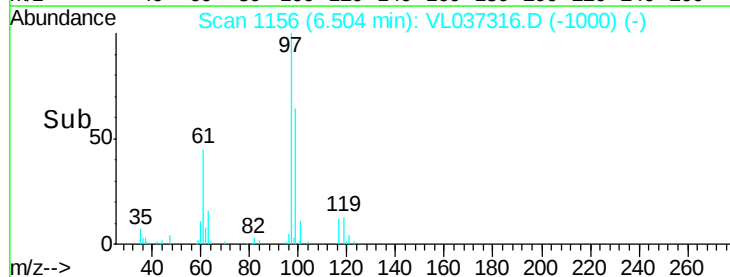
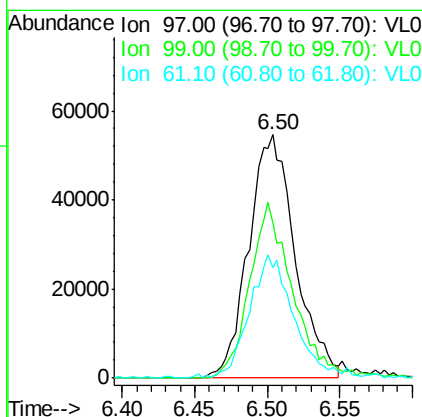
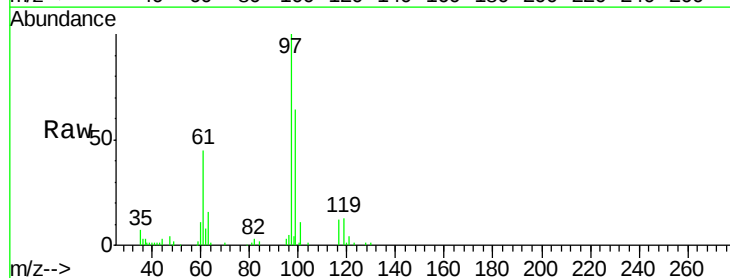
MMDadoda
8/5/2021 1:39:57 PM

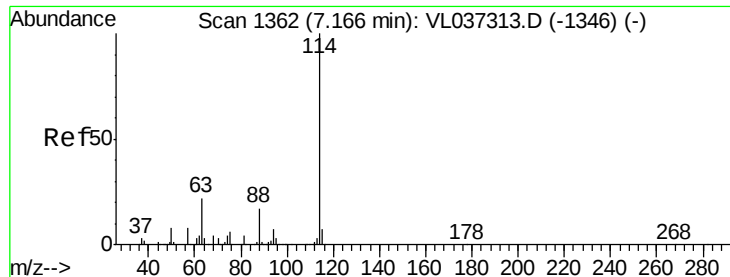


#32

1,1,1-Trichloroethane
Concen: 0.549 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	121765		
99	67.6		52.3	78.5
61	49.4		37.2	55.8





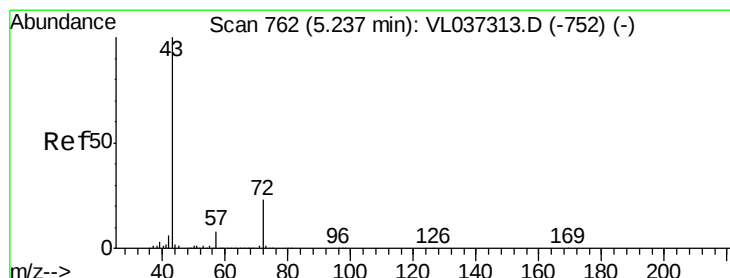
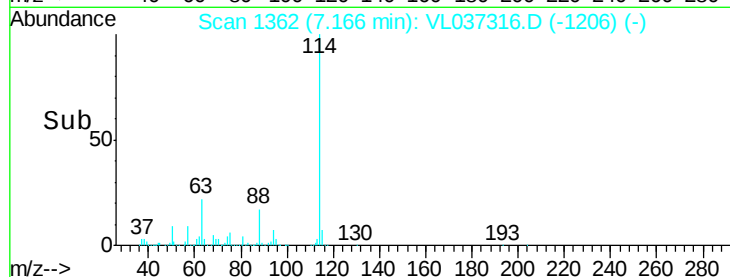
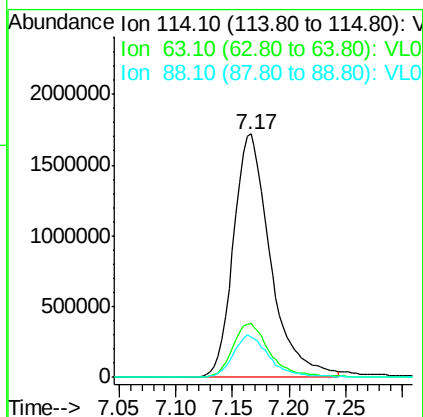
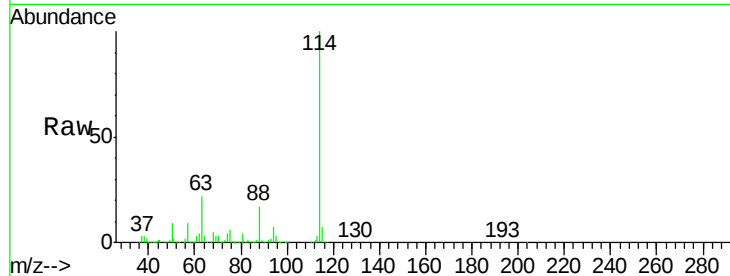
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	18.1	27.1
88	17.4	13.8	20.8

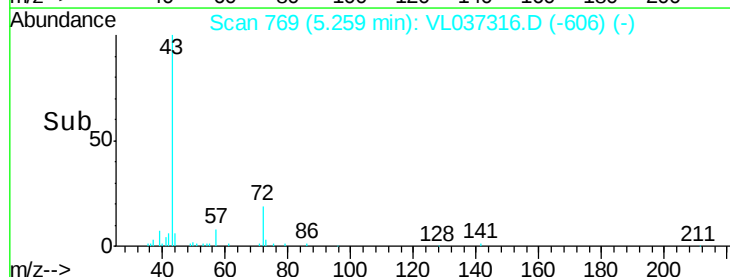
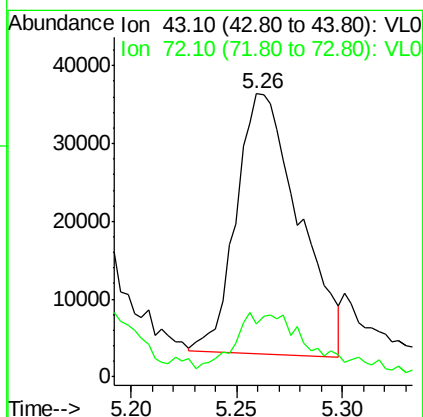
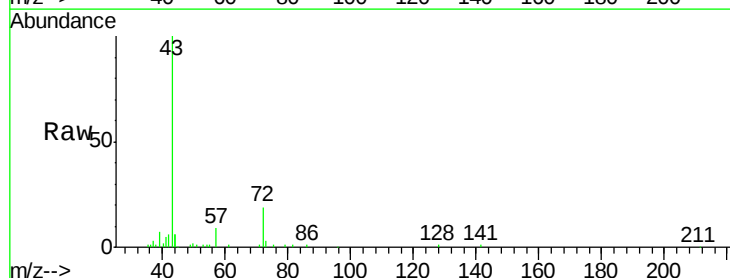
Manual Integrations
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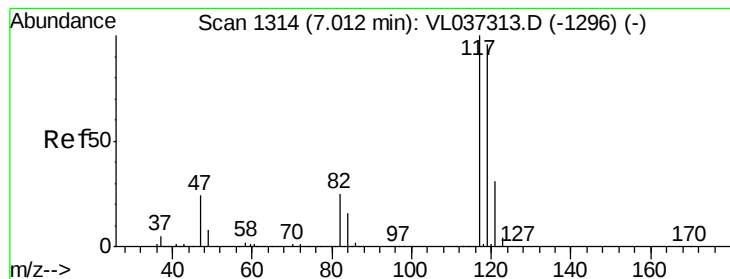
MMDadoda
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#34
 2-Butanone
 Concen: 0.501 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.02 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Tgt Ion	Ratio	Lower	Upper
43	100		
72	34.1	20.3	30.5





#35

Carbon Tetrachloride

Concen: 0.498 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Instrument :

MSVOA_L

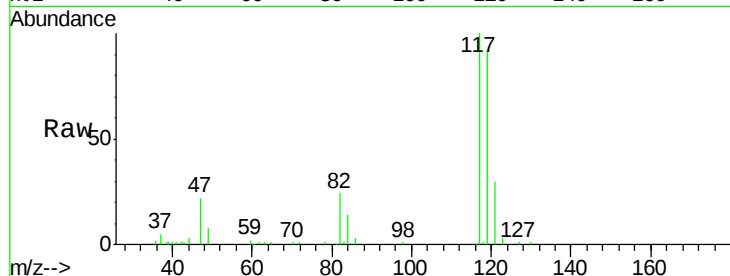
ClientSampleId :

VSTDIC0.5

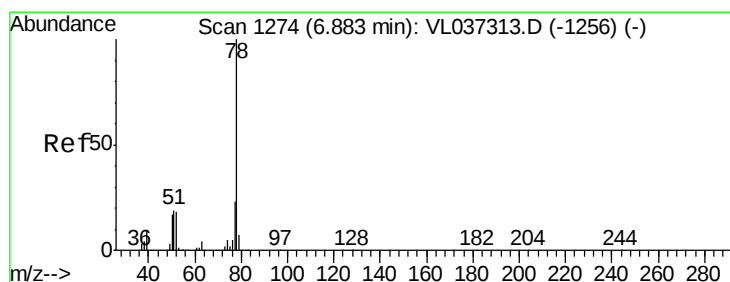
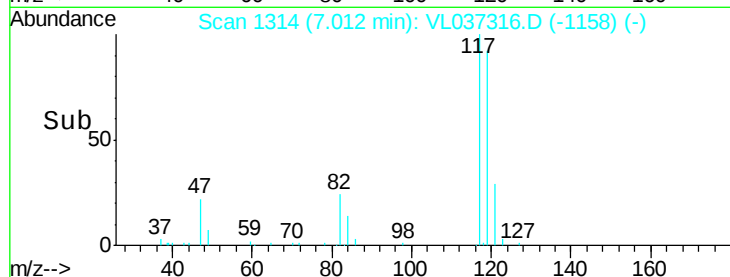
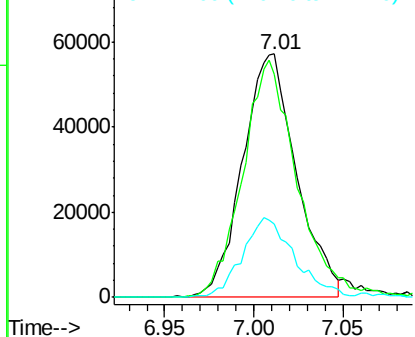
Tot Ion:	117	Resp:	120716
Ion Ratio	Lower	Upper	
117	100		
119	91.0	76.6	114.8
121	30.0	24.9	37.3

Manual Integrations
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8/5/2021 1:39:57 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: 0.548 ppbv

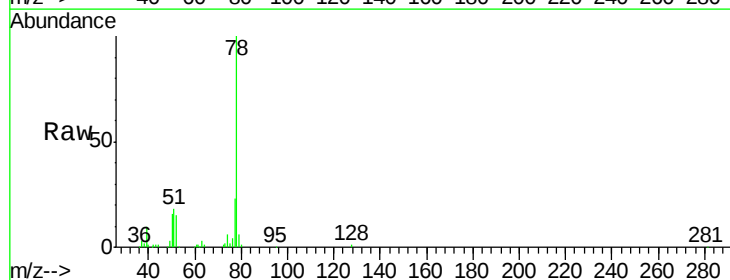
RT: 6.88 min Scan# 1273

Delta R.T. -0.00 min

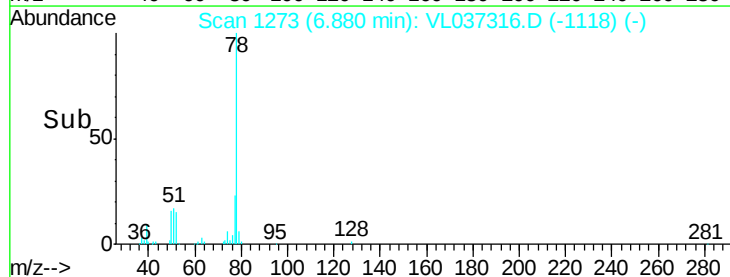
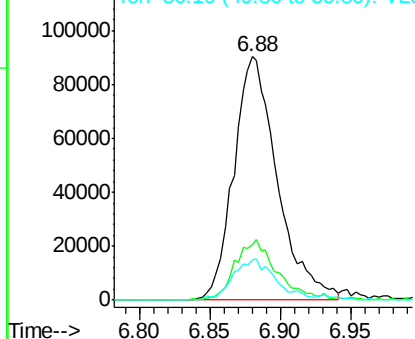
Lab File: VL037316.D

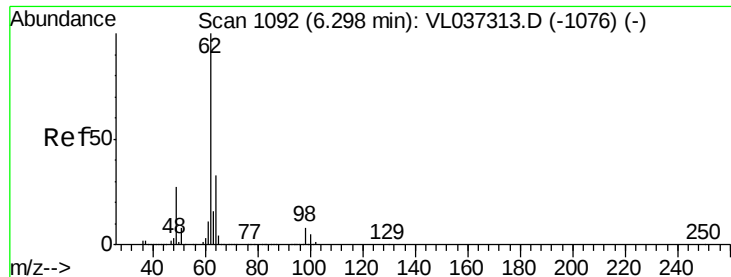
Acq: 4 Aug 2021 19:21

Tgt Ion:	78	Resp:	195316
Ion Ratio	Lower	Upper	
78	100		
77	22.7	18.7	28.1
50	16.5	13.7	20.5



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





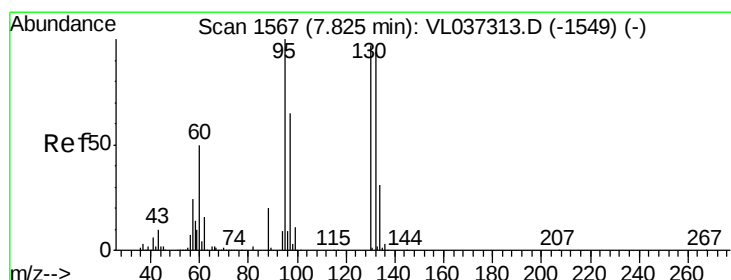
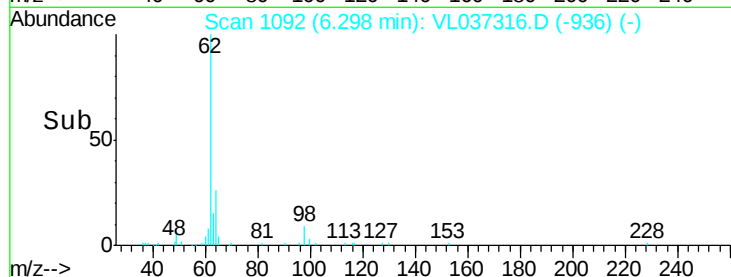
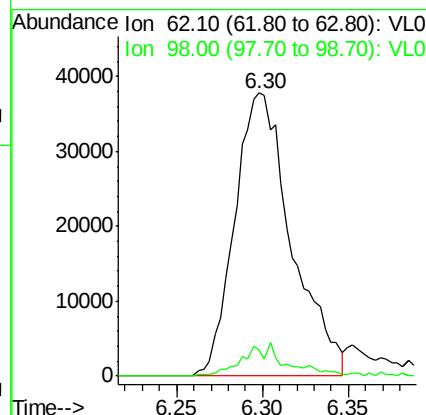
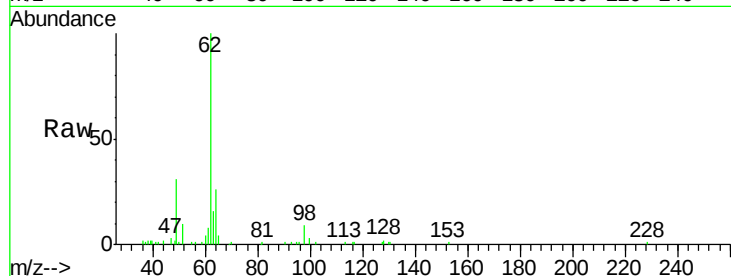
#37
1,2-Dichloroethane
Concen: 0.521 ppbv
RT: 6.30 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	9.5	6.3	9.5#

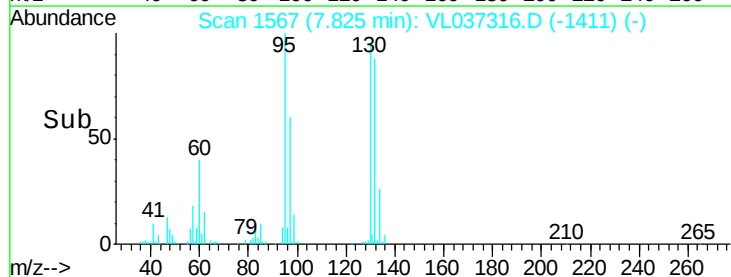
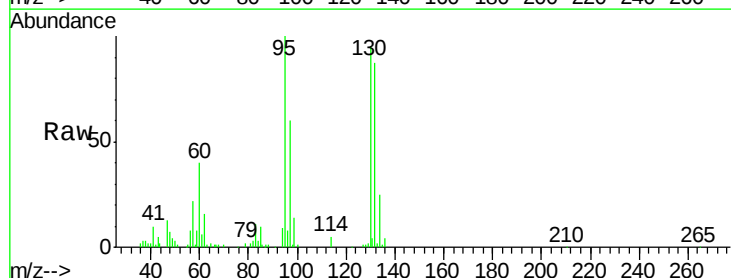
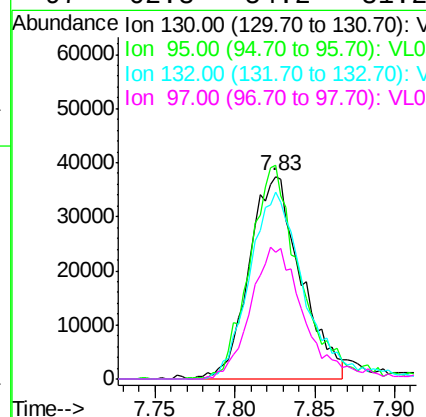
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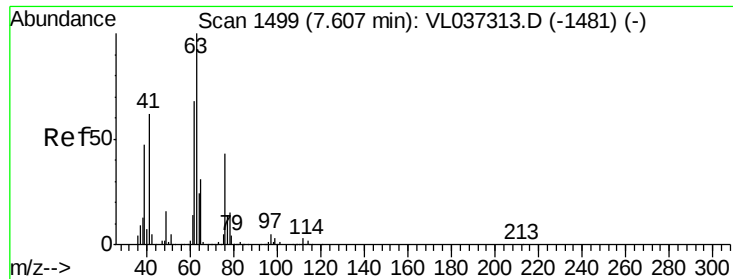
MMDadoda
8/5/2021 1:39:57 PM



#38
Trichloroethene
Concen: 0.542 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	82.8	124.2
132	92.2	78.2	117.4
97	62.8	54.2	81.2





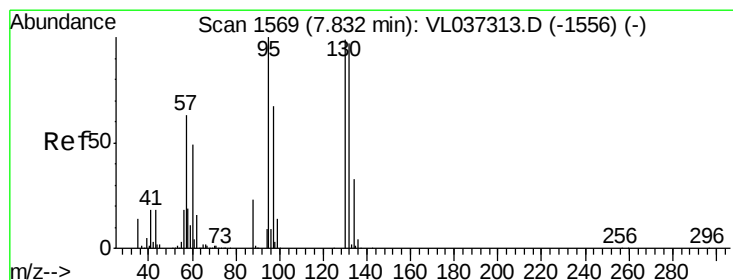
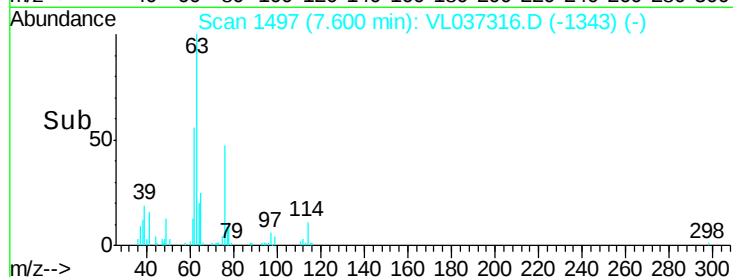
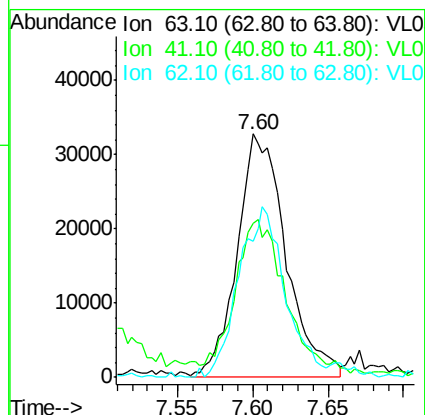
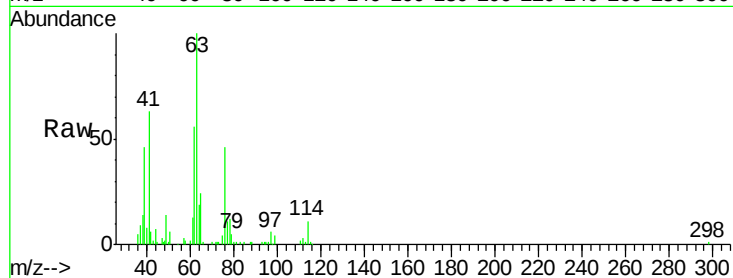
#39
 1,2-Dichloropropane
 Concen: 0.641 ppbv m
 RT: 7.60 min Scan# 1497
 Delta R.T. -0.01 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	63	Resp:	73904
Ion	Ratio	Lower	Upper
63	100		
41	63.4	49.2	73.8
62	55.7	54.2	81.4

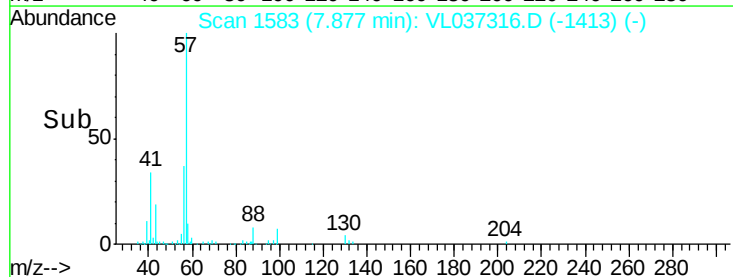
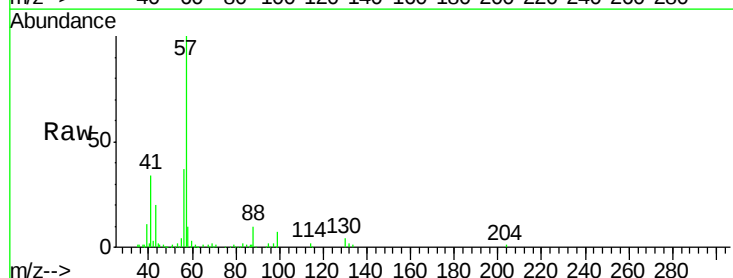
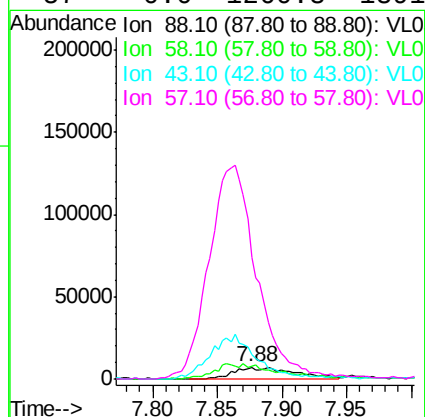
Manual Integrations
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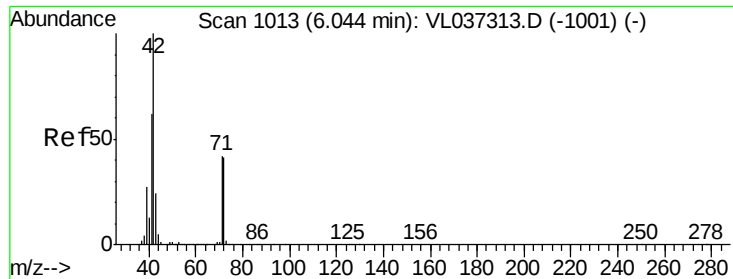
MMDadoda
 8/5/2021 1:39:57 PM



#40
 1,4-Dioxane
 Concen: 1.336 ppbv m
 RT: 7.88 min Scan# 1583
 Delta R.T. 0.05 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Tgt Ion:	88	Resp:	23623
Ion	Ratio	Lower	Upper
88	100		
58	0.0	117.5	176.3#
43	0.0	271.0	406.4#
57	0.0	1260.8	1891.2#





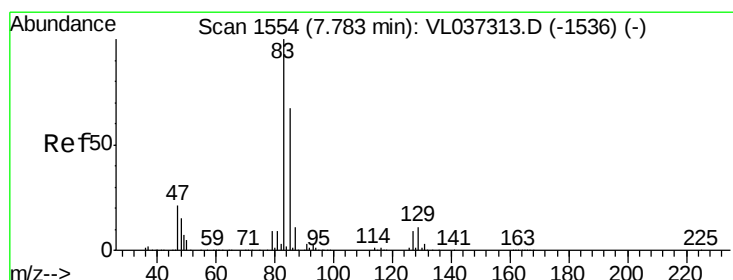
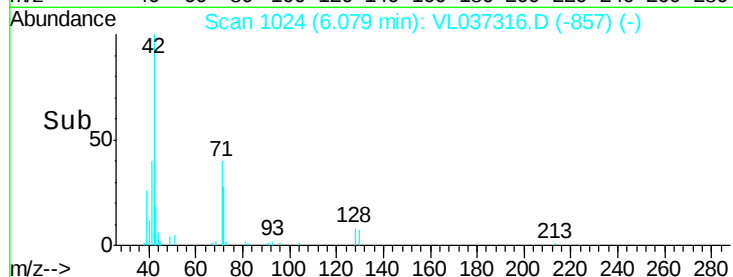
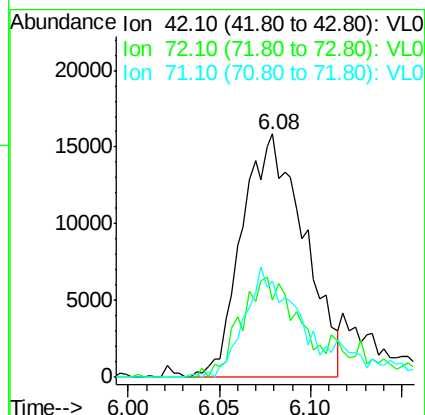
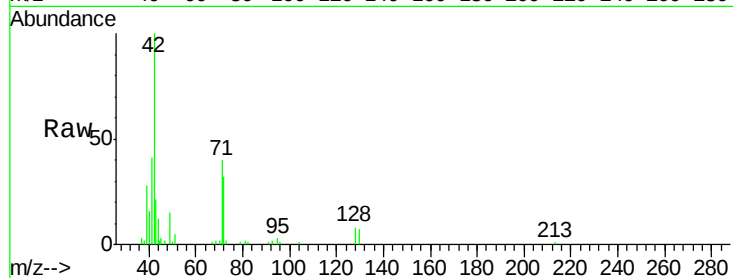
#41
Tetrahydrofuran
Concen: 0.646 ppbv m
RT: 6.08 min Scan# 1024
Delta R.T. 0.04 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.6	50.4#
71	0.0	33.0	49.4#

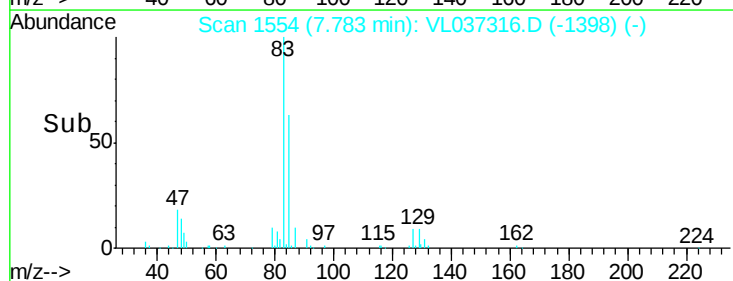
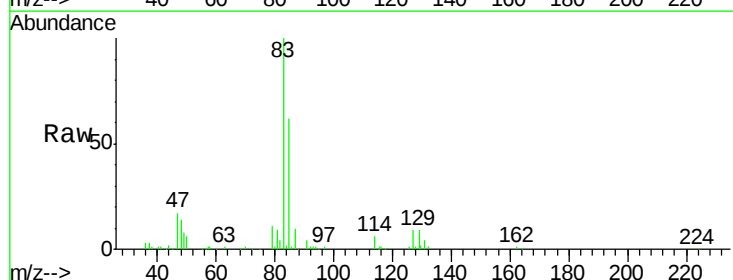
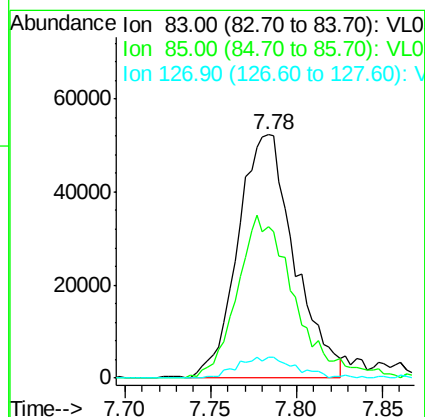
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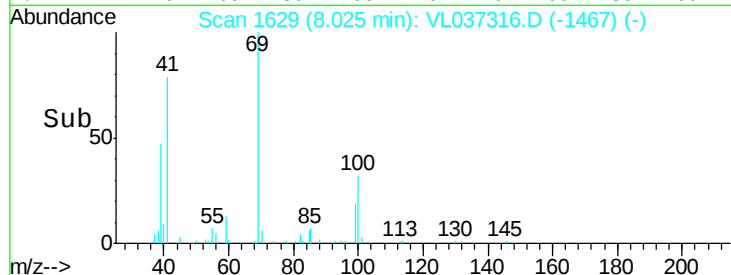
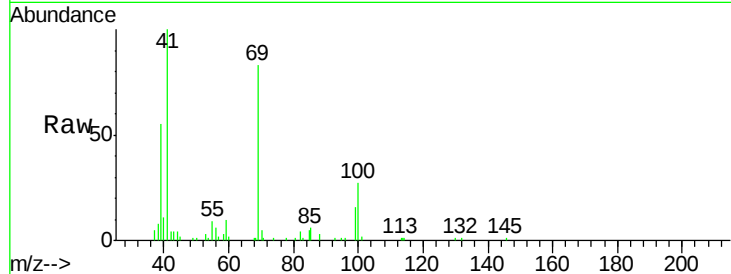
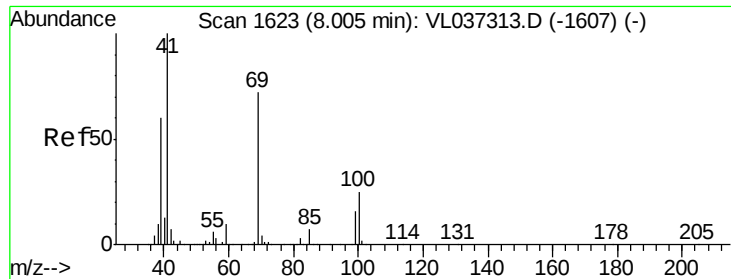
MMDadoda
8/5/2021 1:39:57 PM



#42
Bromodichloromethane
Concen: 0.479 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	53.5	80.3
127	8.6	7.1	10.7





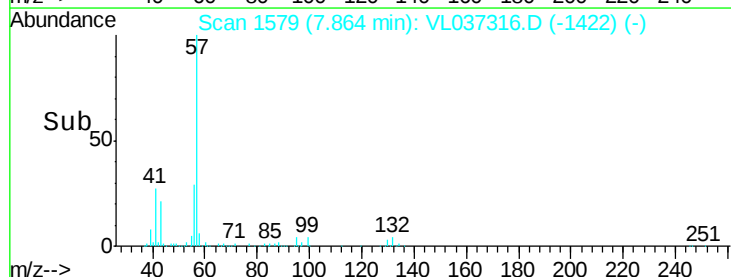
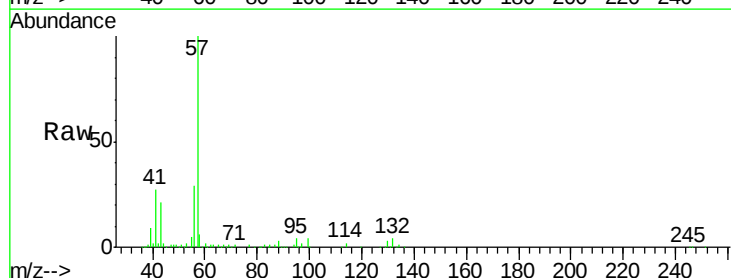
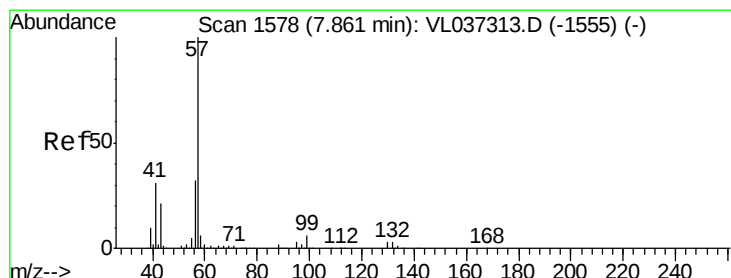
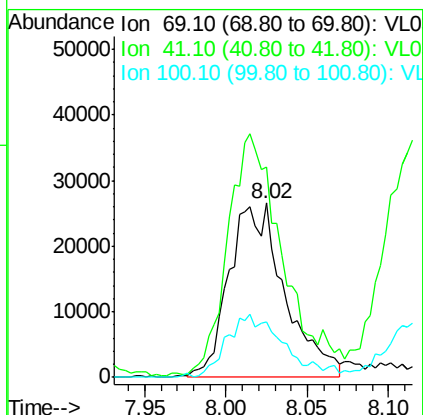
#43
Methvl Methacrylate
Concen: 0.571 ppbv m
RT: 8.02 min Scan# 1629
Delta R.T. 0.02 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Tot Ion	Ratio	Lower	Upper
69	100		
41	135.0	114.6	172.0
100	38.5	29.4	44.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

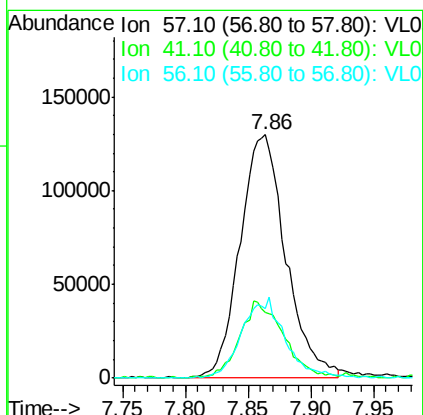
Manual Integrations
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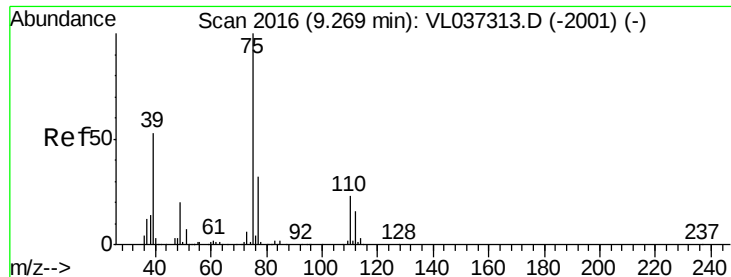
MMDadoda
8/5/2021 1:39:57 PM



#44
2,2,4-Trimethylpentane
Concen: 0.559 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Tgt Ion	Ratio	Lower	Upper
57	100		
41	30.3	24.3	36.5
56	31.1	25.0	37.6





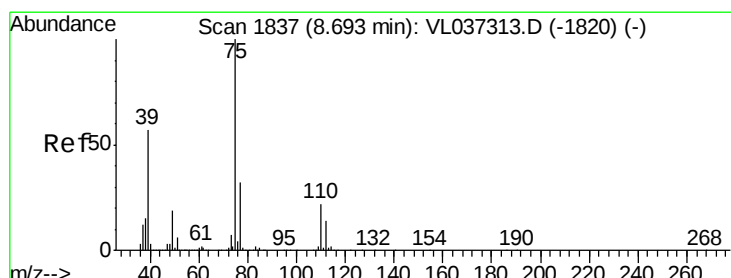
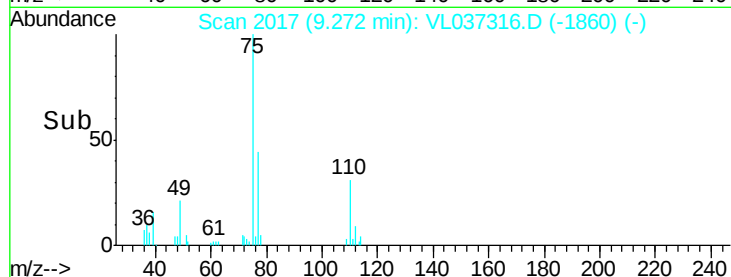
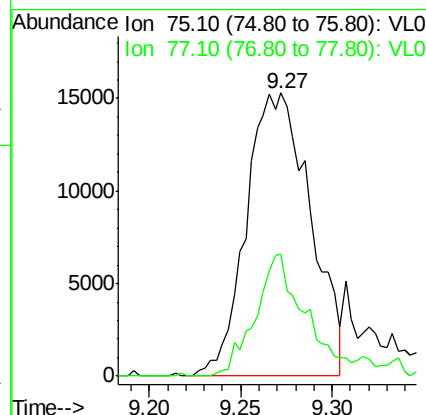
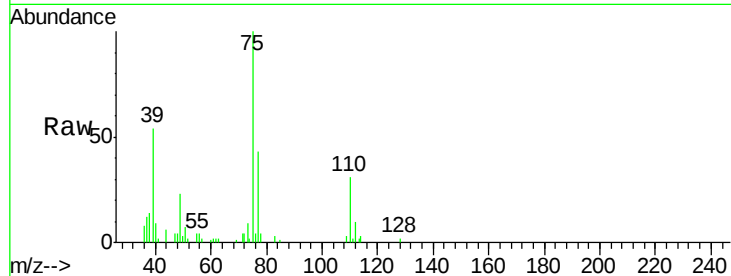
#45
 t-1,3-Dichloropropene
 Concen: 0.418 ppbv m
 RT: 9.27 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 75 Resp: 37282
 Ion Ratio Lower Upper
 75 100
 77 43.3 25.7 38.5#

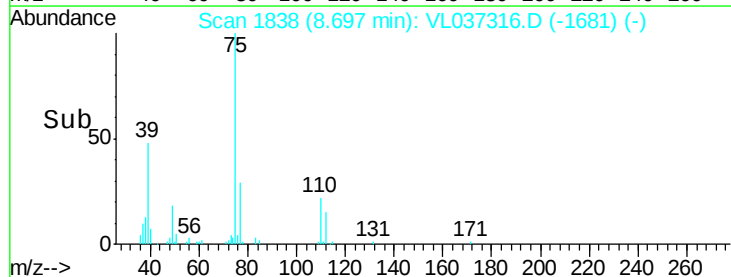
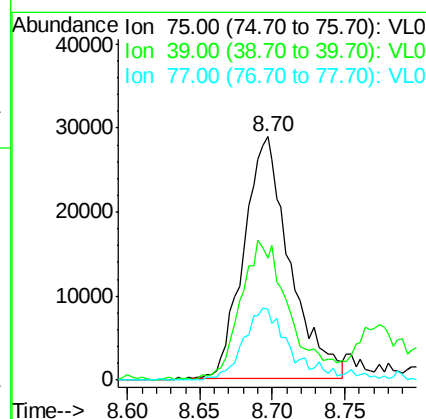
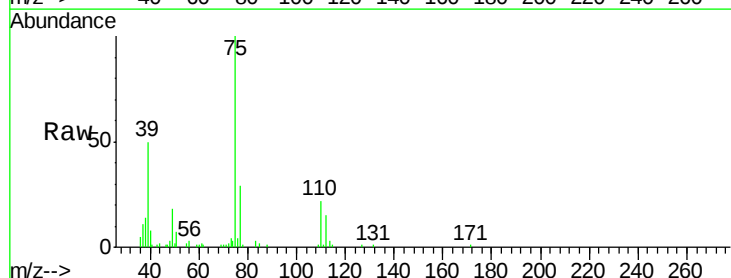
Manual Integrations
 APPROVED

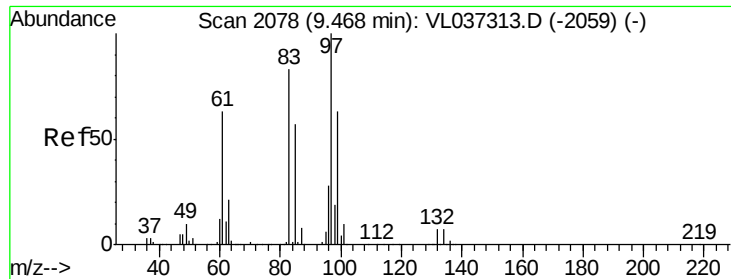
MMDadoda
 8/5/2021 1:39:57 PM



#46
 cis-1,3-Dichloropropene
 Concen: 0.458 ppbv
 RT: 8.70 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Tgt Ion: 75 Resp: 63199
 Ion Ratio Lower Upper
 75 100
 39 50.5 45.6 68.4
 77 29.6 25.4 38.0





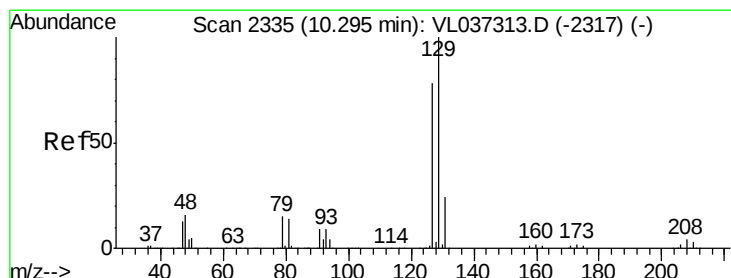
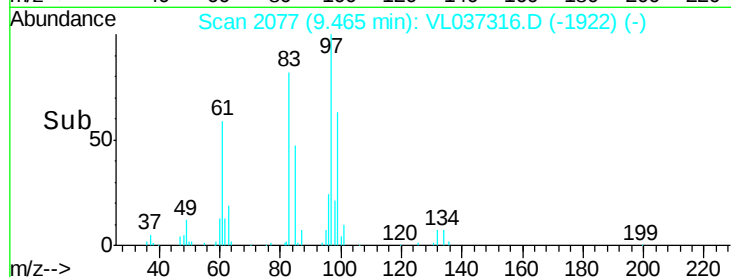
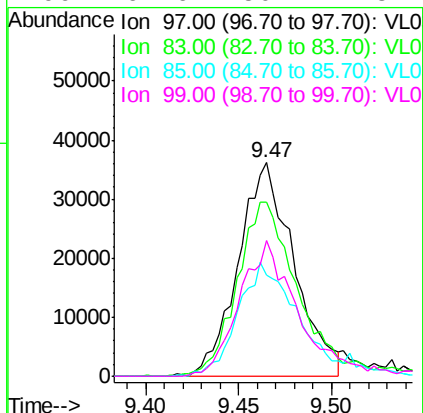
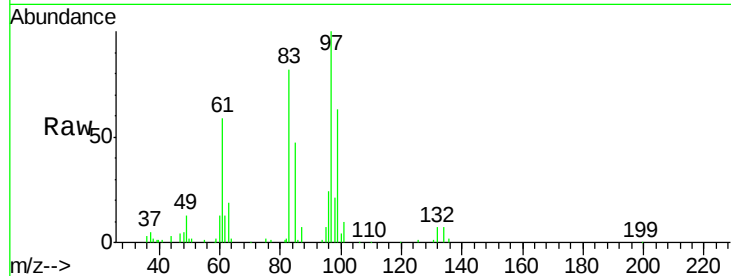
#47
 1,1,2-Trichloroethane
 Concen: 0.603 ppbv
 RT: 9.47 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		75517		
83	80.2	66.0	99.0		
85	47.2	45.7	68.5		
99	62.6	50.2	75.4		

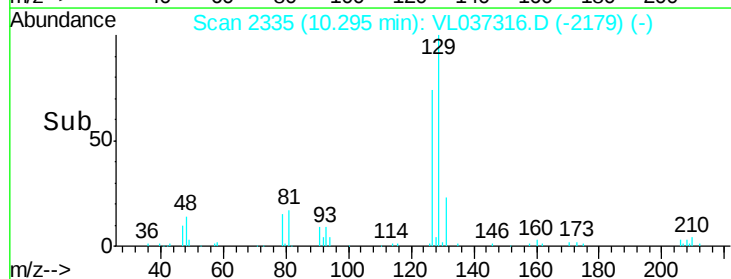
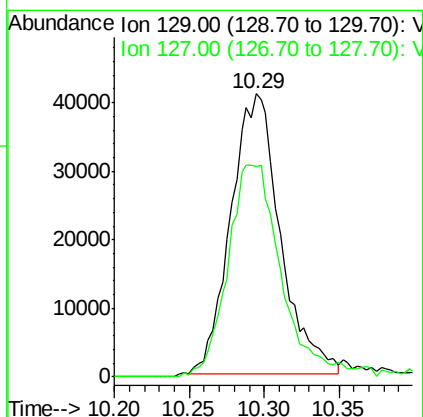
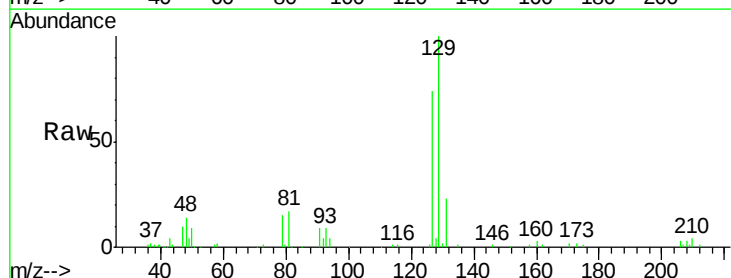
Manual Integrations
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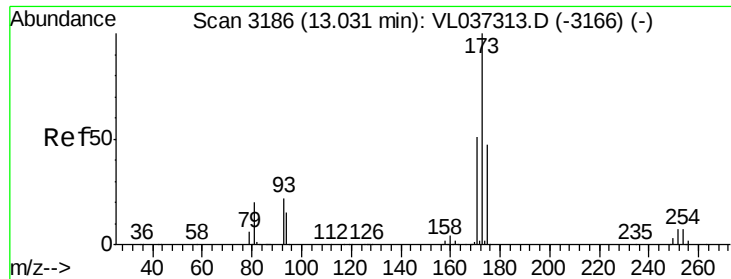
MMDadoda
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#48
 Dibromochloromethane
 Concen: 0.446 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. 0.00 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		94855		
127	82.1	40.9	122.7		





#49

Bromoform

Concen: 0.402 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Instrument :

MSVOA_L

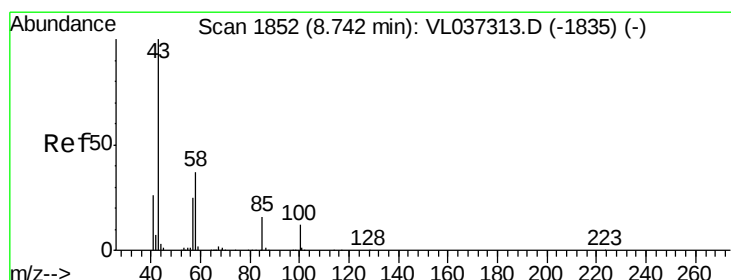
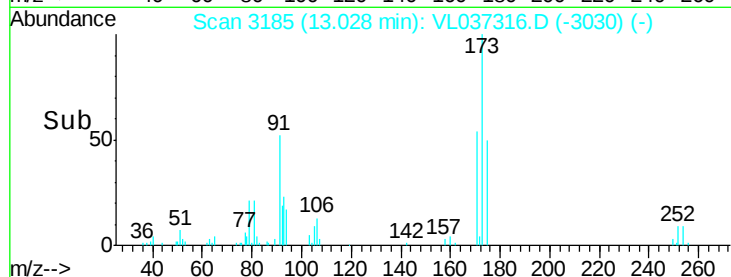
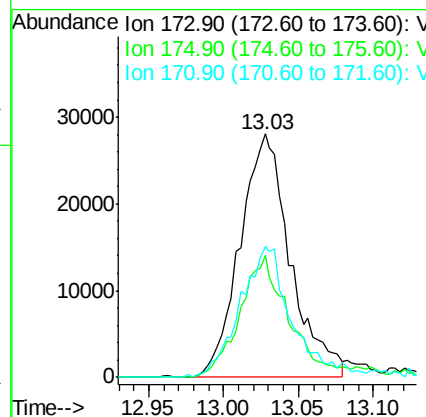
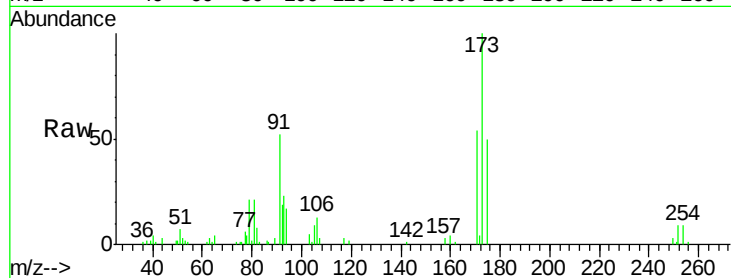
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	65790
Ion	Ratio	Lower	Upper
173	100		
175	52.8	42.3	63.5
171	56.4	44.9	67.3

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 0.512 ppbv m

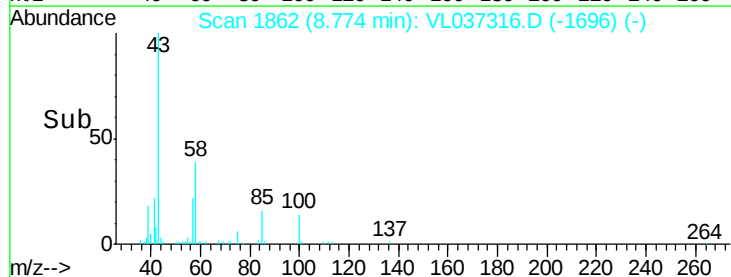
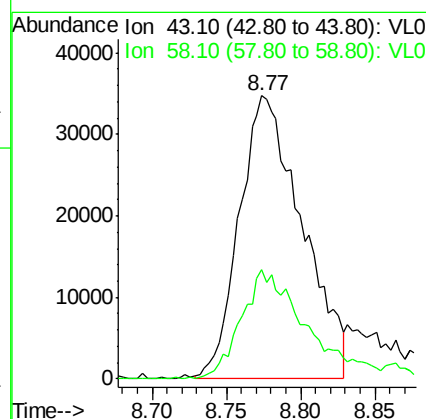
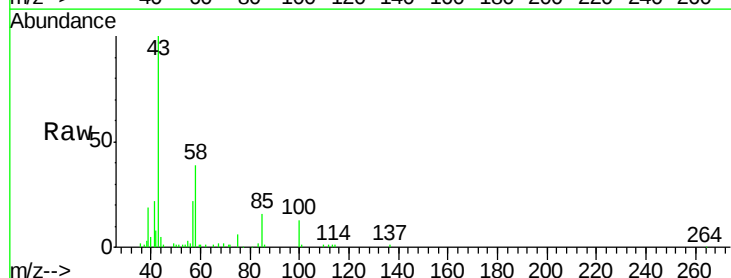
RT: 8.77 min Scan# 1862

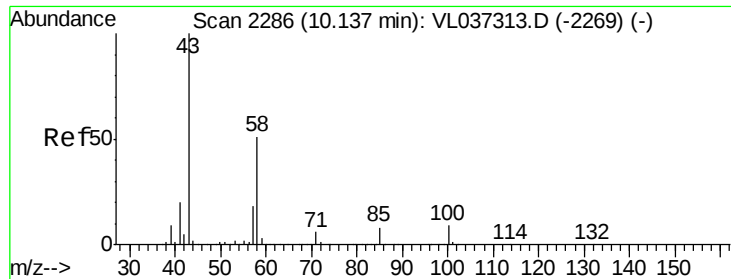
Delta R.T. 0.03 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Tgt Ion:	43	Resp:	101855
Ion	Ratio	Lower	Upper
43	100		
58	42.8	31.0	46.4





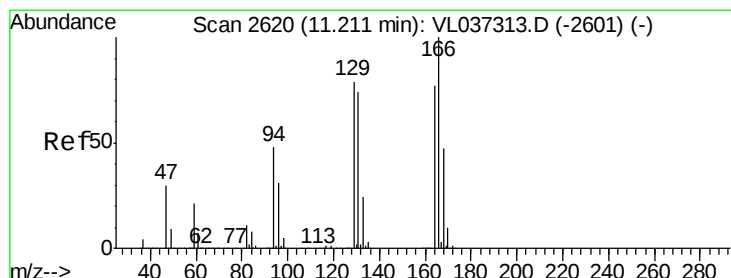
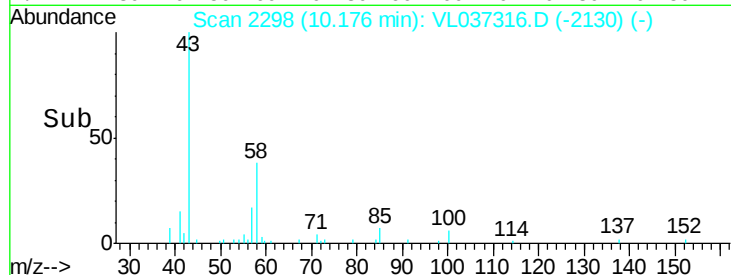
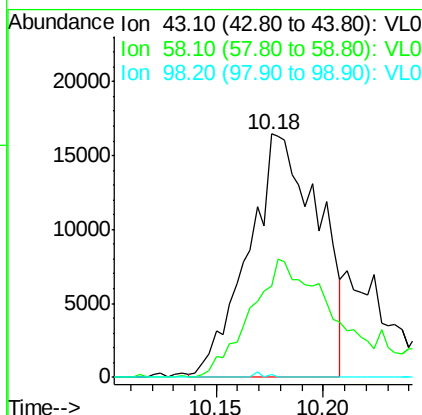
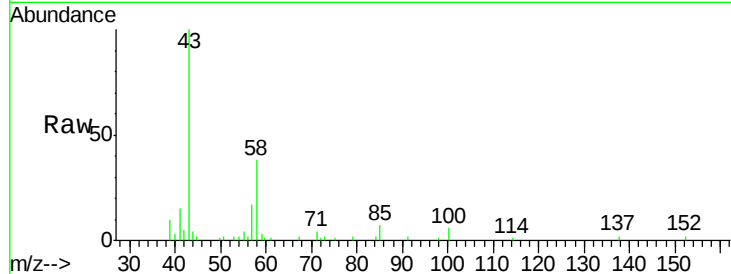
#51
2-Hexanone
Concen: 0.568 ppbv m
RT: 10.18 min Scan# 2298
Delta R.T. 0.04 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:	43	Resp:	37776
Ion Ratio	Lower	Upper	
43	100		
58	66.9	40.9	61.3#
98	0.3	0.1	0.1#

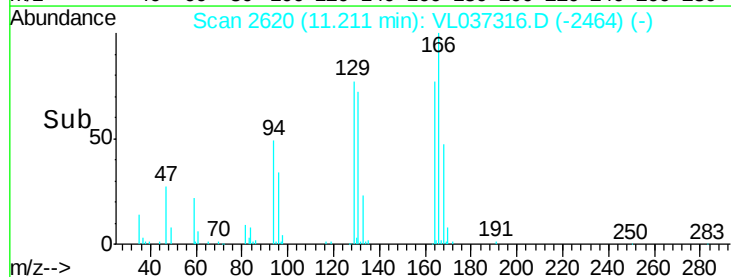
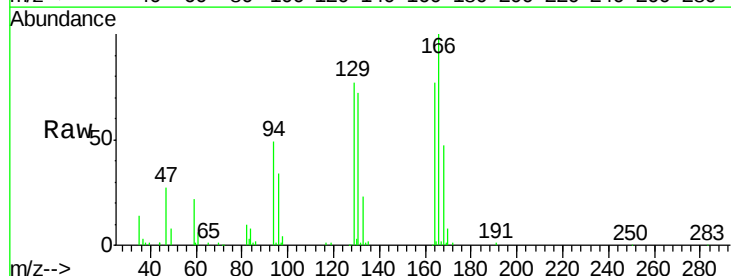
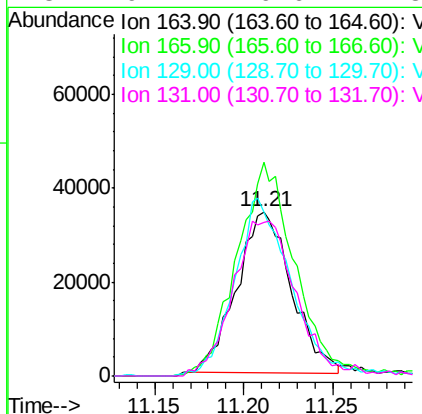
Manual Integrations
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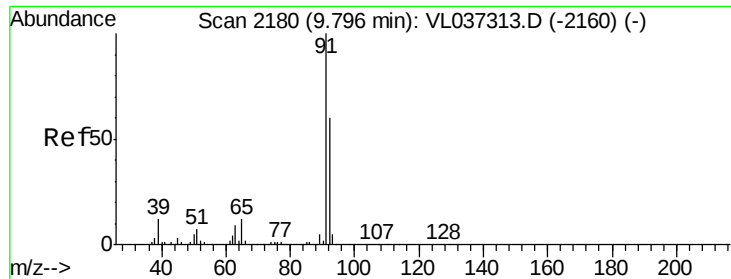
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#52
Tetrachloroethene
Concen: 0.575 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. 0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Tgt Ion:	164	Resp:	73951
Ion Ratio	Lower	Upper	
164	100		
166	131.1	103.4	155.2
129	98.9	82.2	123.2
131	91.4	76.6	114.8





#53

Toluene

Concen: 0.541 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 228043

Ion Ratio Lower Upper

91 100

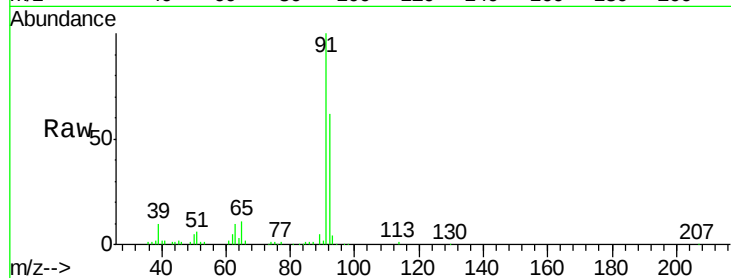
92 62.2 48.8 73.2

Manual Integrations

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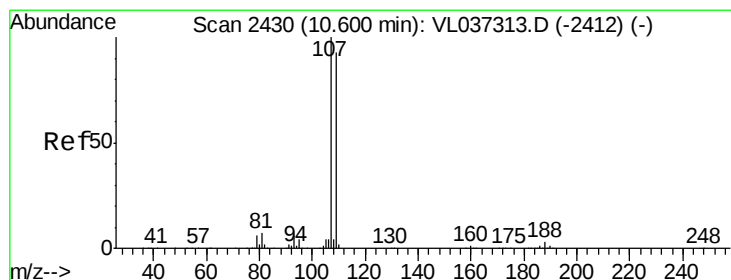
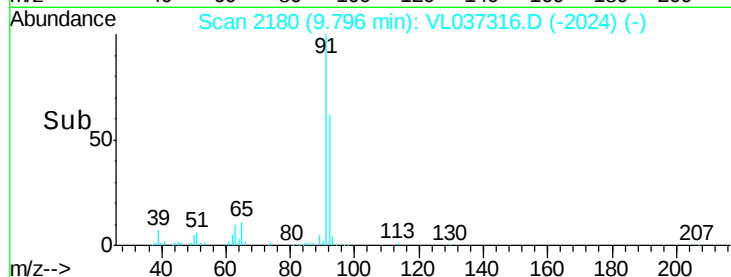
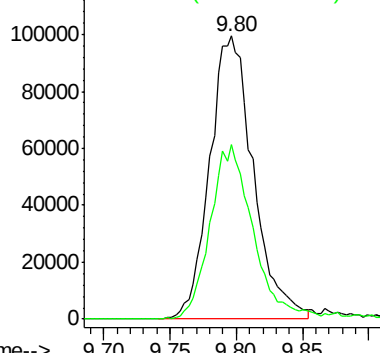
MMDadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 0.541 ppbv m

RT: 10.60 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VL037316.D

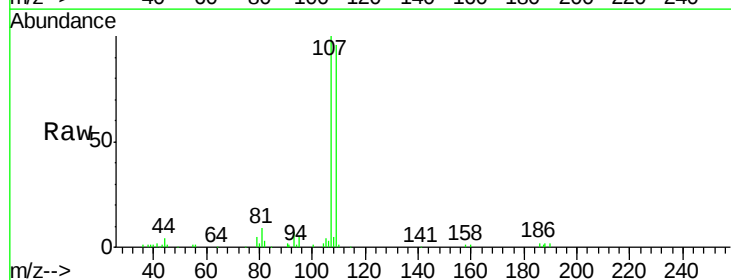
Acq: 4 Aug 2021 19:21

Tgt Ion: 107 Resp: 98726

Ion Ratio Lower Upper

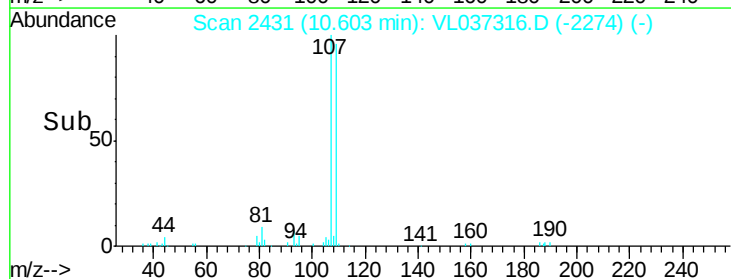
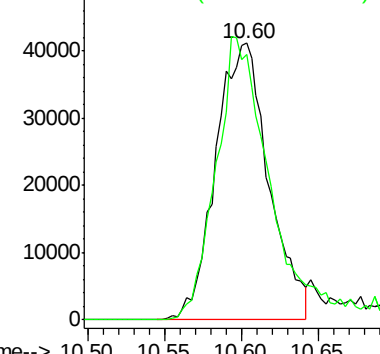
107 100

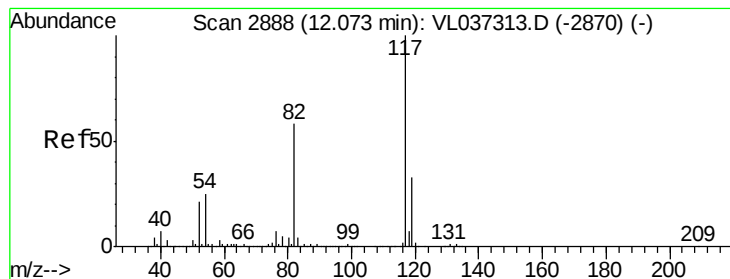
109 95.8 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:117 Resp: 3500153

Ion Ratio Lower Upper

117 100

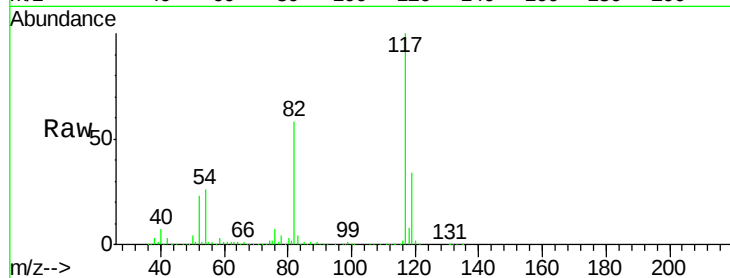
82 61.0 50.3 75.5

119 36.0 48.2 72.2#

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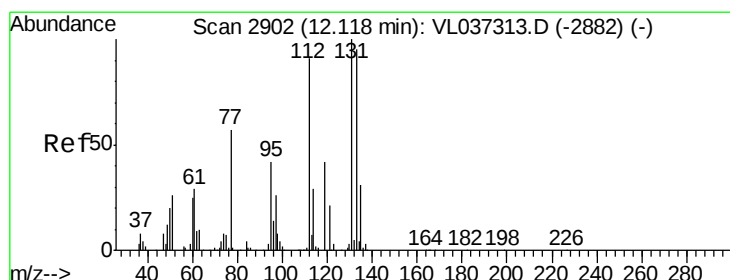
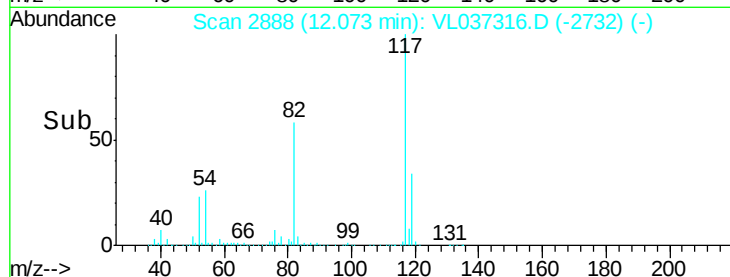
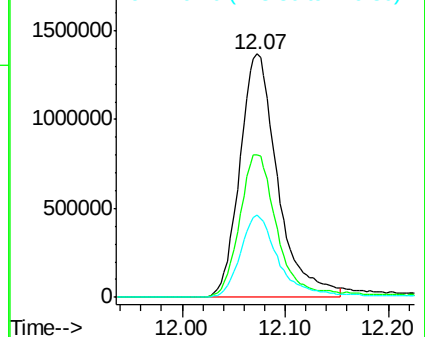
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.538 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

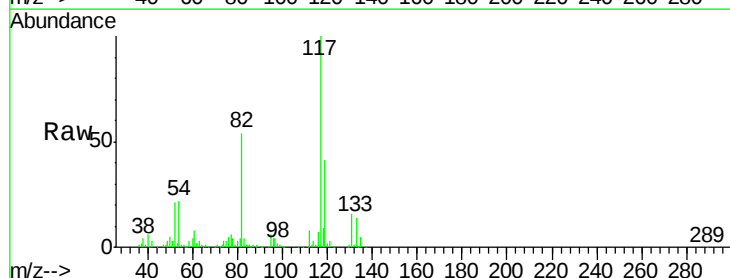
Tgt Ion:131 Resp: 82361

Ion Ratio Lower Upper

131 100

133 97.5 83.0 124.4

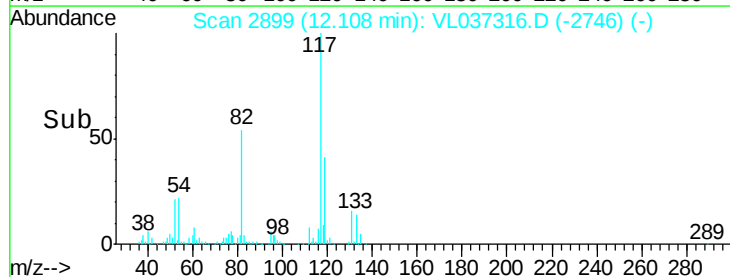
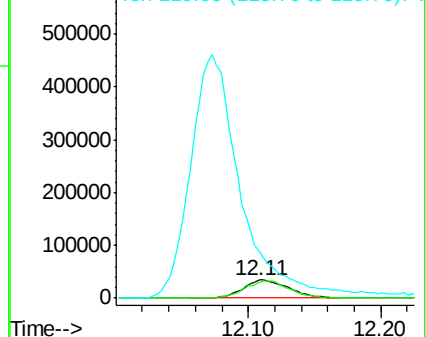
119 1532.9 130.4 195.6#

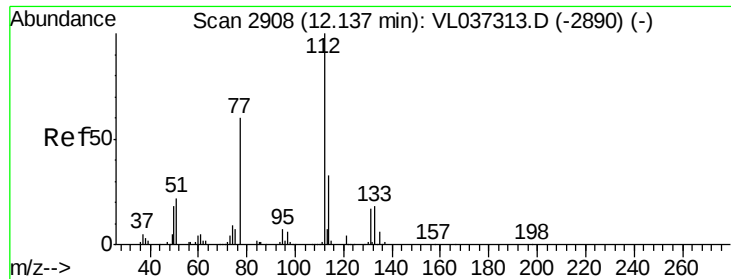


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





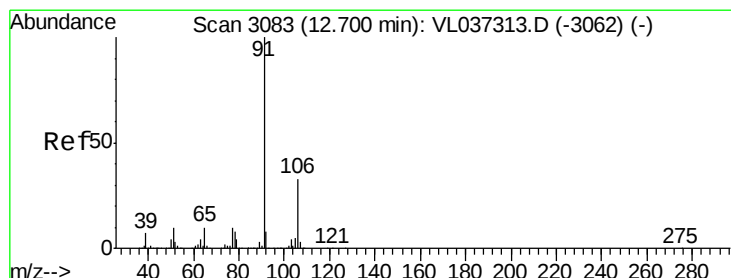
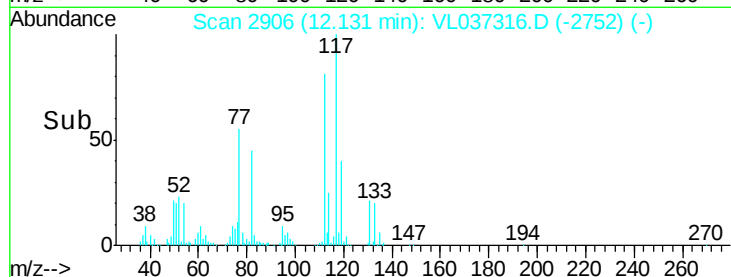
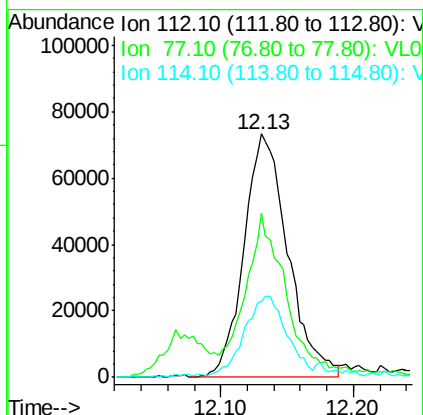
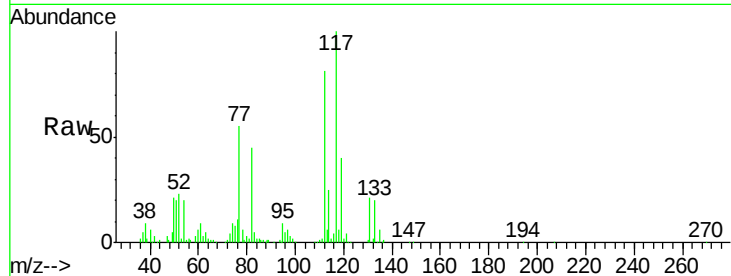
#57
Chlorobenzene
Concen: 0.569 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	64.0	47.8	71.6
114	29.5	29.8	36.4#

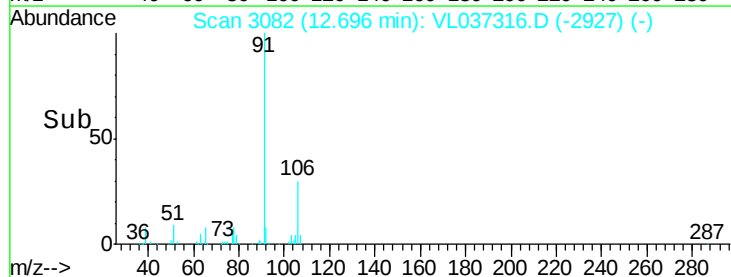
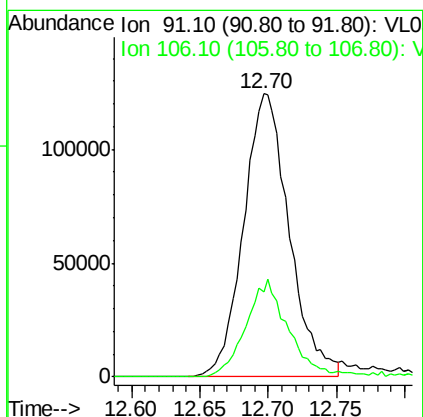
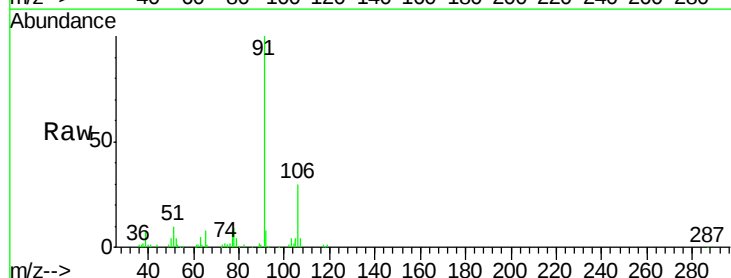
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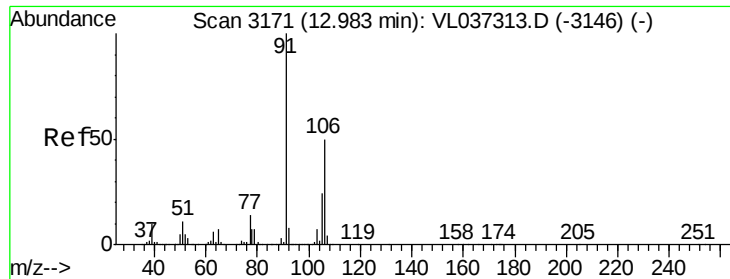
MMDadoda
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#58
Ethyl Benzene
Concen: 0.560 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. -0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	26.2	39.2





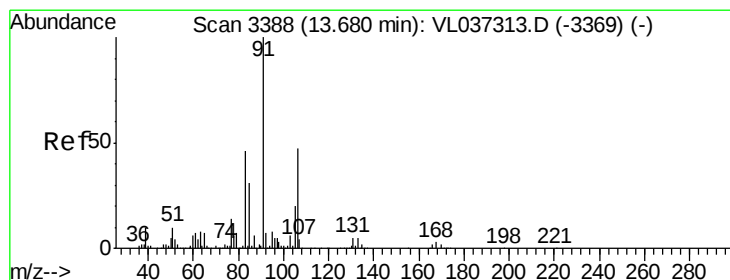
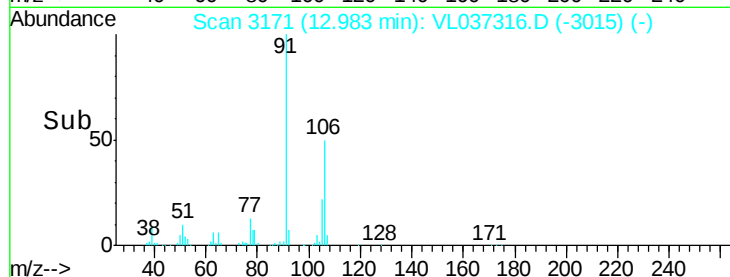
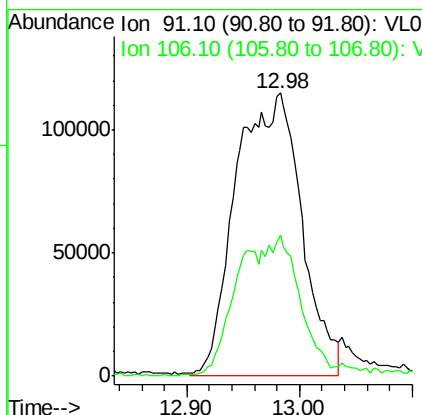
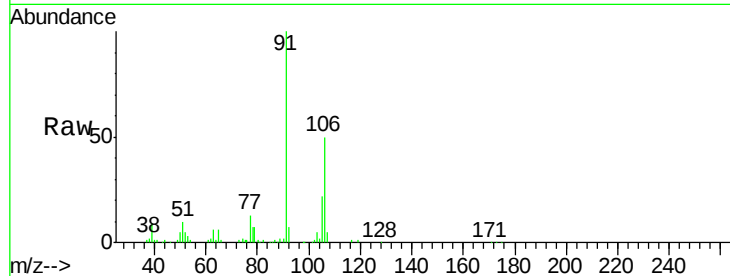
#59
m/p-Xylene
Concen: 1.645 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 465422
Ion Ratio Lower Upper
91 100
106 48.3 37.8 56.8

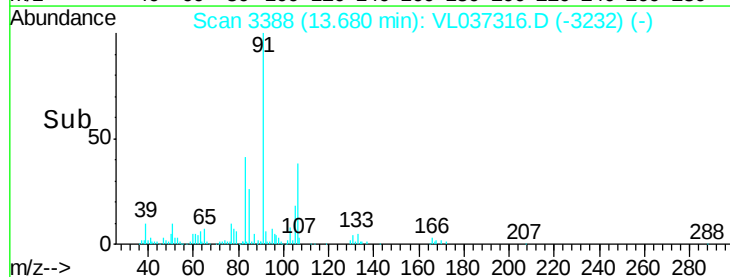
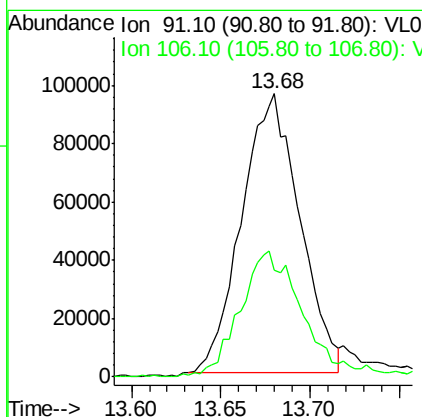
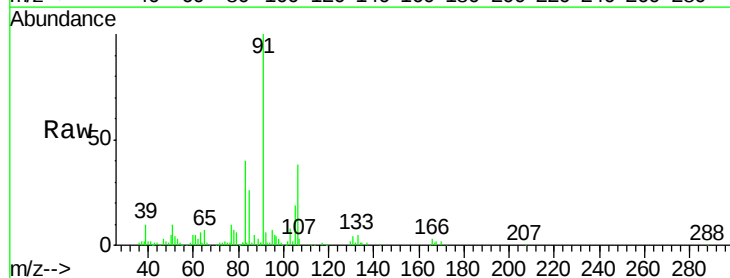
Manual Integrations
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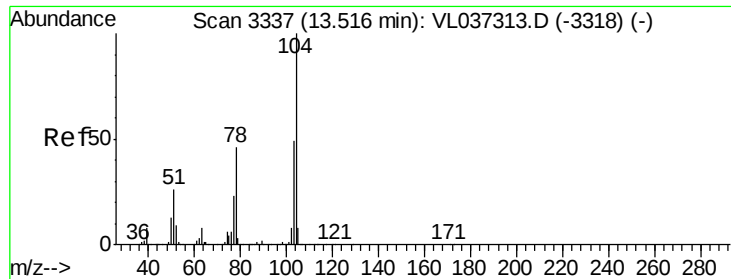
MMDadoda
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#60
o-Xylene
Concen: 0.545 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Tgt Ion: 91 Resp: 217516
Ion Ratio Lower Upper
91 100
106 50.5 26.3 78.8





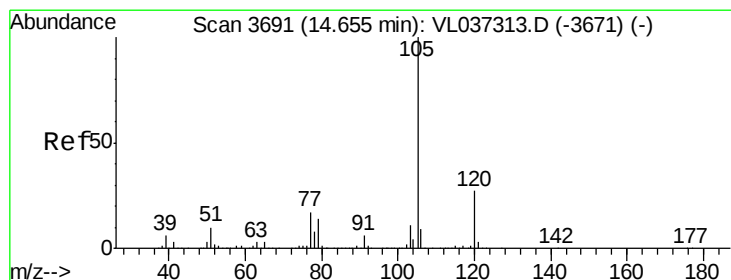
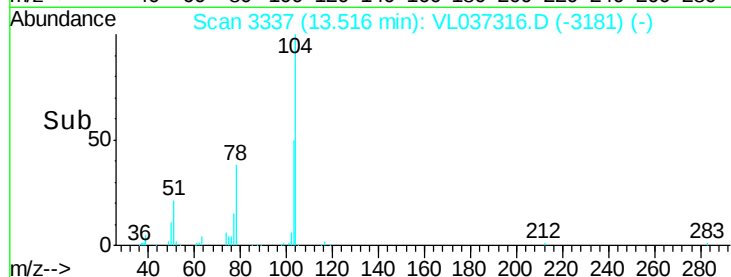
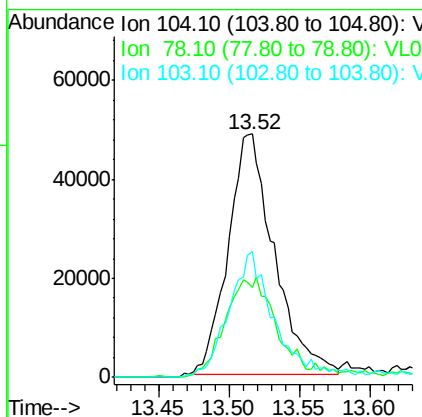
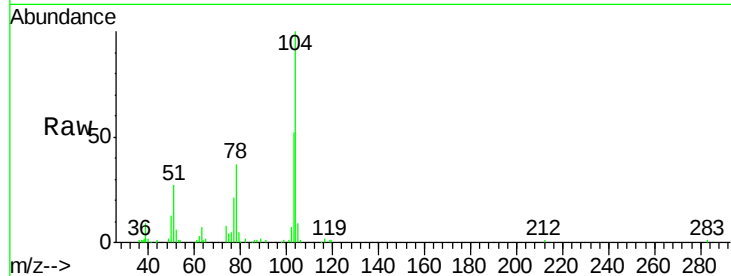
#61
Stvrene
Concen: 0.505 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.4	39.3	58.9
103	53.0	40.6	60.8

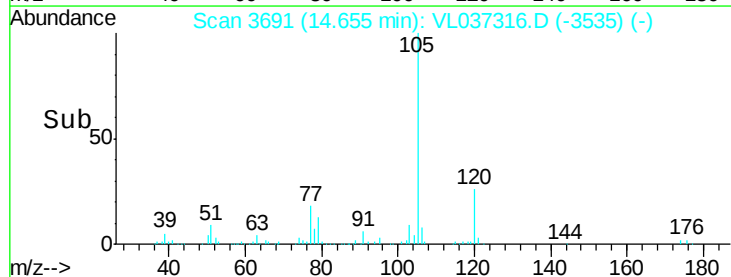
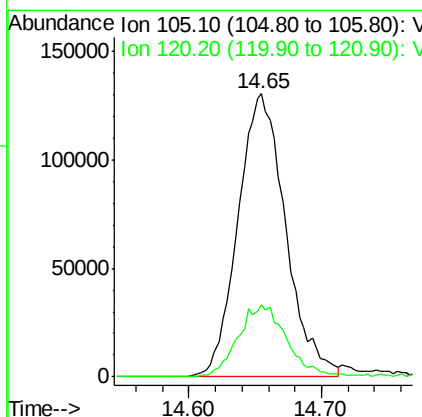
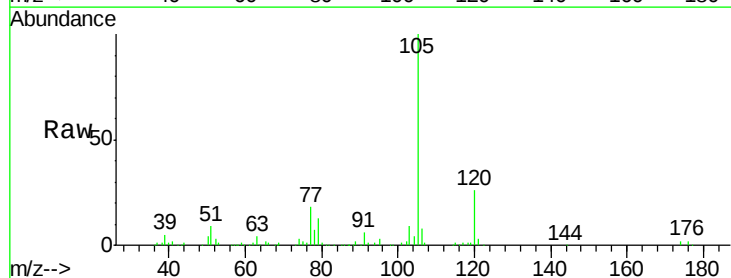
Manual Integrations
APPROVED

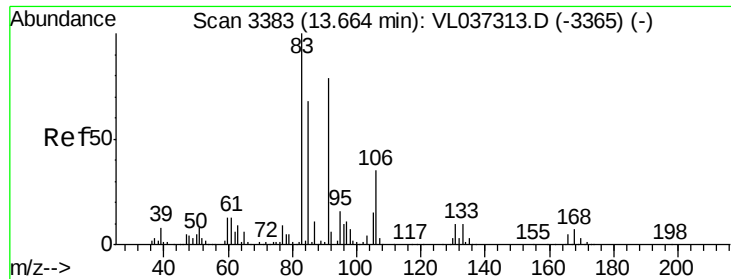
MMDadoda
8/5/2021 1:39:57 PM



#62
Isopropylbenzene
Concen: 0.637 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. 0.00 min
Lab File: VL037316.D
Acq: 4 Aug 2021 19:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	23.0	34.6





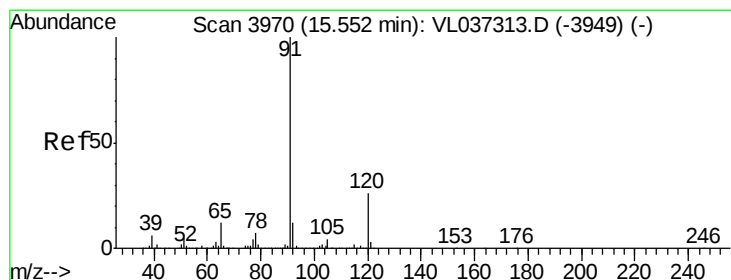
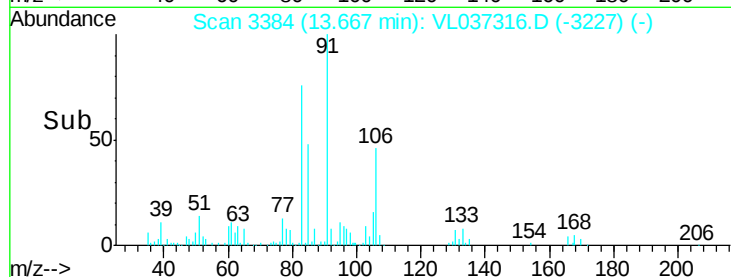
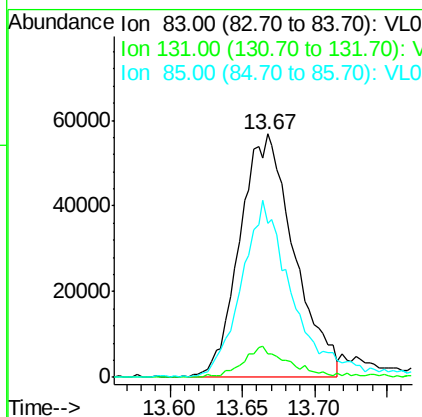
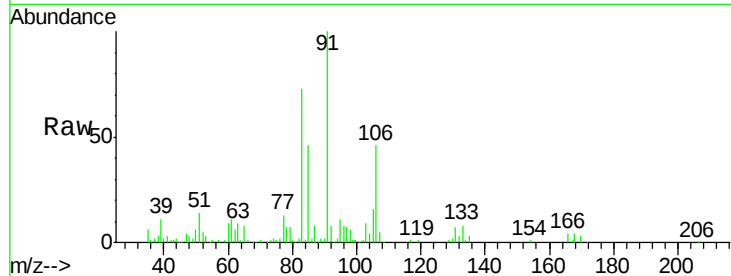
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.623 ppbv m
 RT: 13.67 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	83	131	85
Resp	148154	10.4	71.0
Lower		5.1	33.5
Upper		15.4	100.4

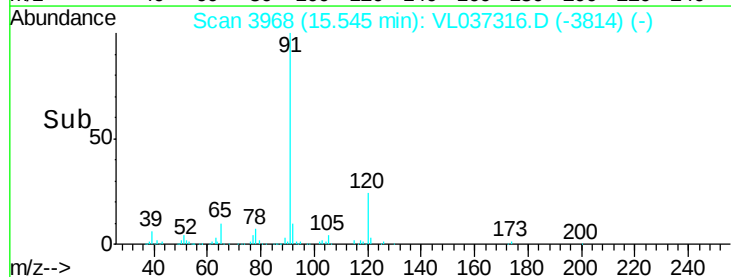
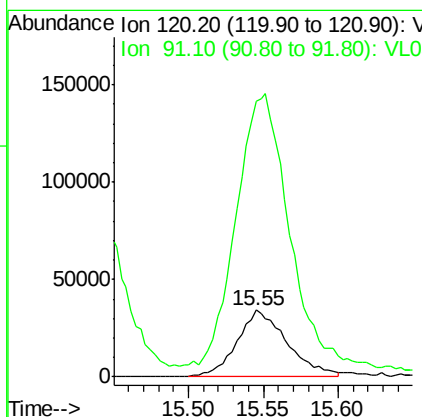
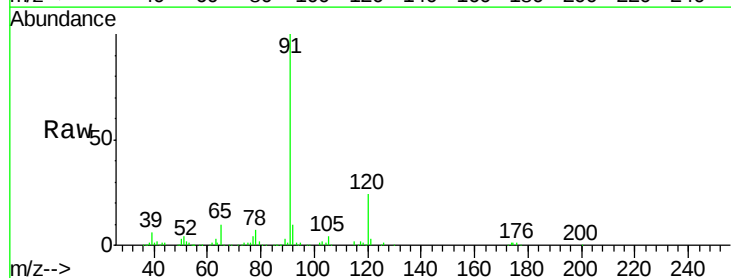
Manual Integrations
 APPROVED

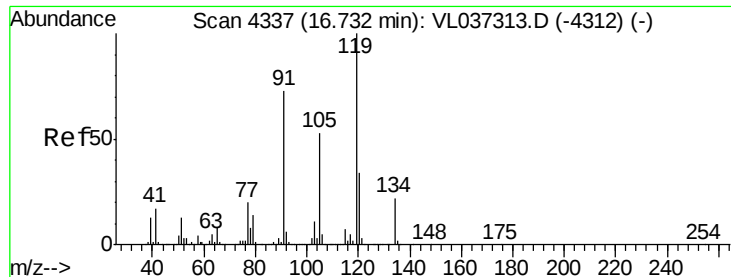
MMDadoda
 8/5/2021 1:39:57 PM



#64
 n-propylbenzene
 Concen: 0.528 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. -0.01 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Tgt Ion	120	91
Resp	79808	494.8
Lower		361.0
Upper		541.4





#65

tert-Butylbenzene

Concen: 0.610 ppbv m

RT: 16.73 min Scan# 4335

Delta R.T. -0.01 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Instrument :

MSVOA_L

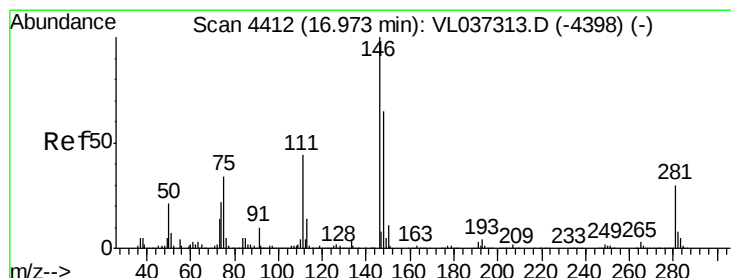
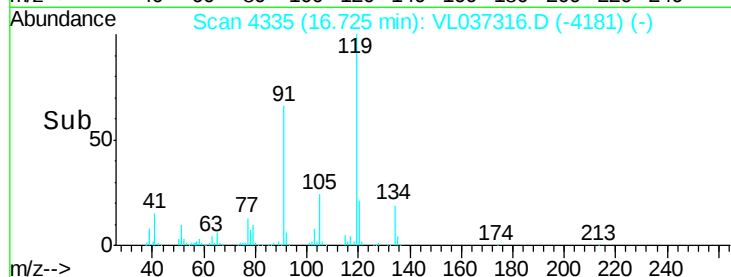
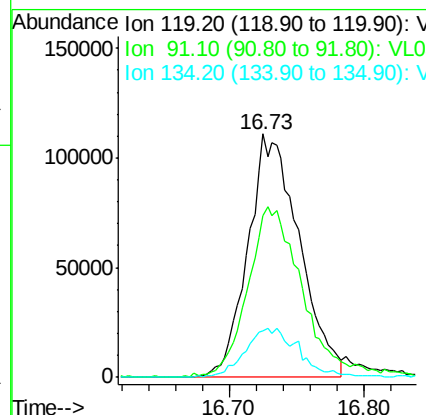
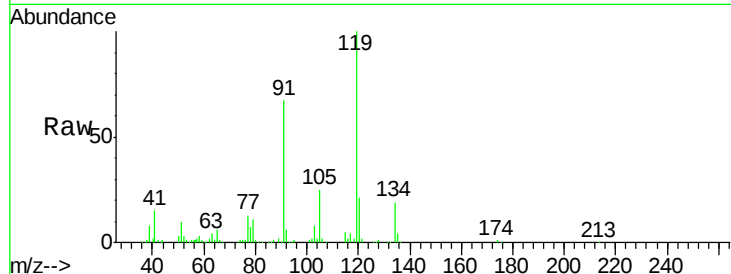
ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	293261
Ion Ratio	Lower	Upper	
119	100		
91	75.1	58.6	88.0
134	21.4	16.5	24.7

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.109 ppbv m

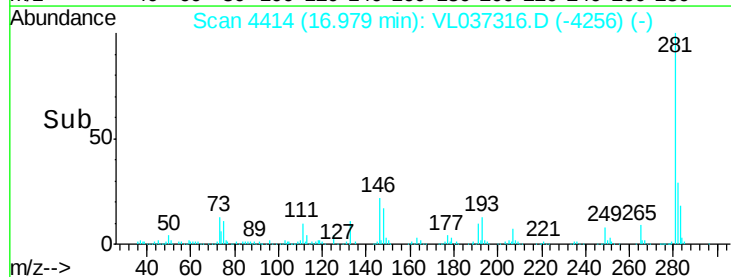
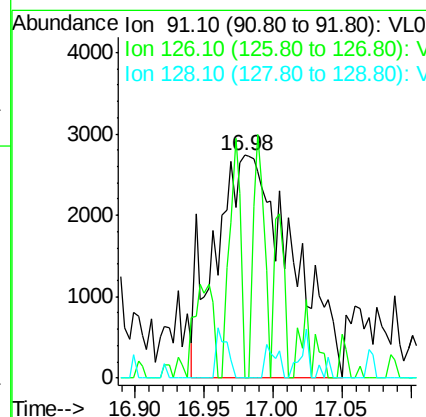
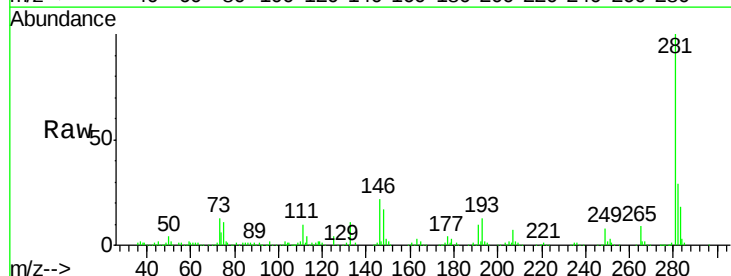
RT: 16.98 min Scan# 4414

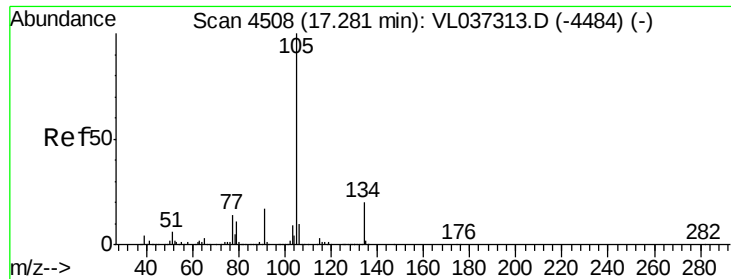
Delta R.T. 0.01 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Tgt Ion:	91	Resp:	10670
Ion Ratio	Lower	Upper	
91	100		
126	0.0	17.8	26.6#
128	9.0	5.8	8.6#





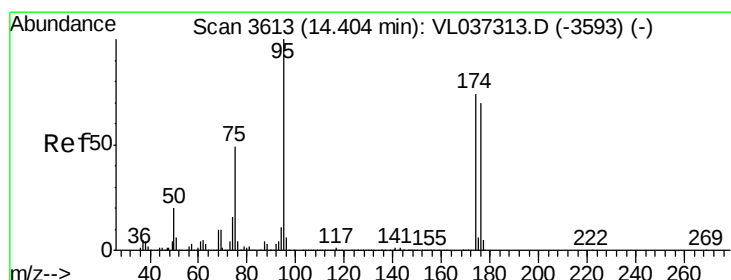
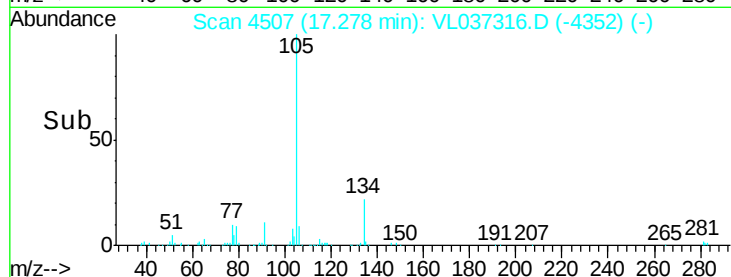
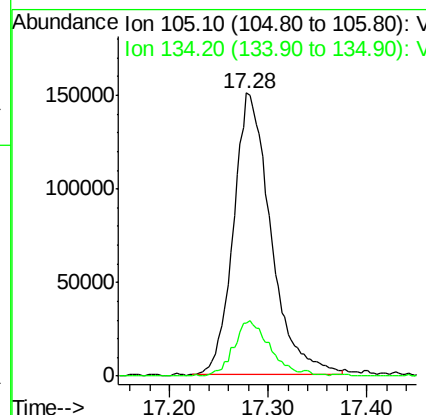
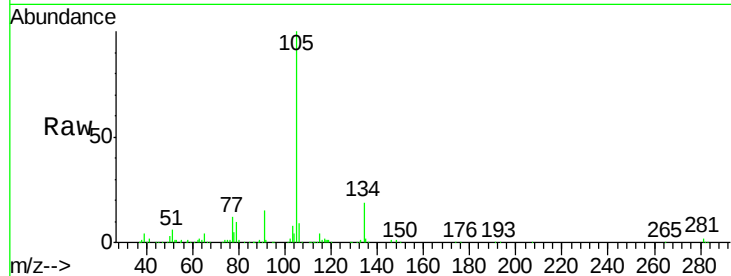
#67
 sec-Butylbenzene
 Concen: 0.620 ppbv
 RT: 17.28 min Scan# 4507
 Delta R.T. -0.00 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.4	23.2

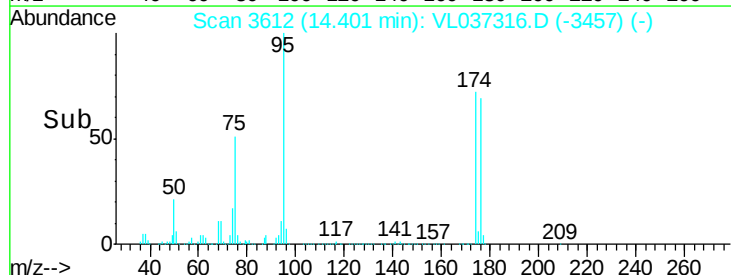
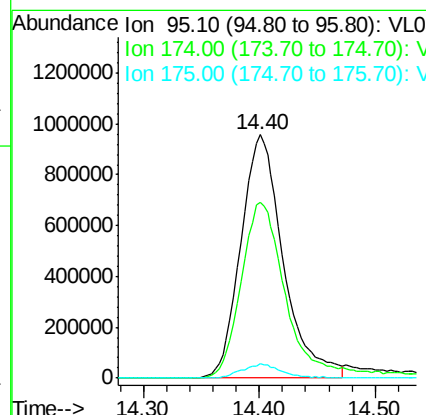
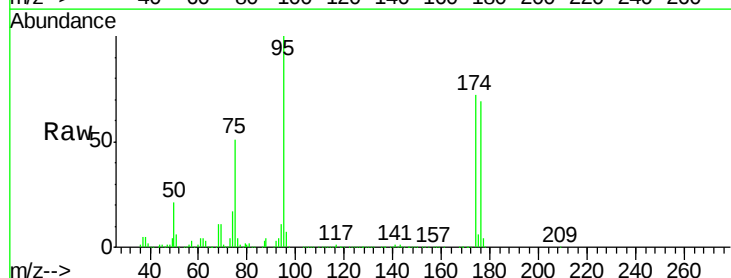
Manual Integrations
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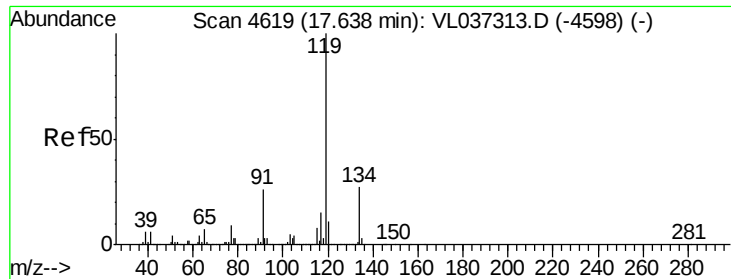
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.964 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. -0.00 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.8	66.9	100.3
175	5.6	5.1	7.7





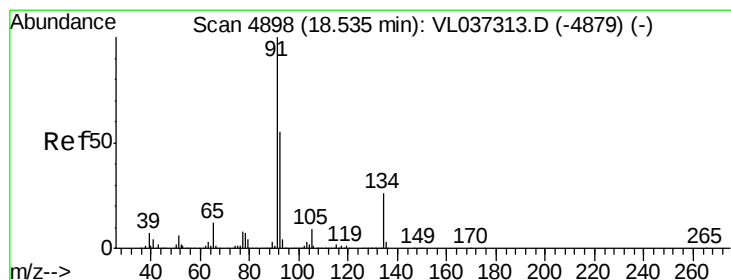
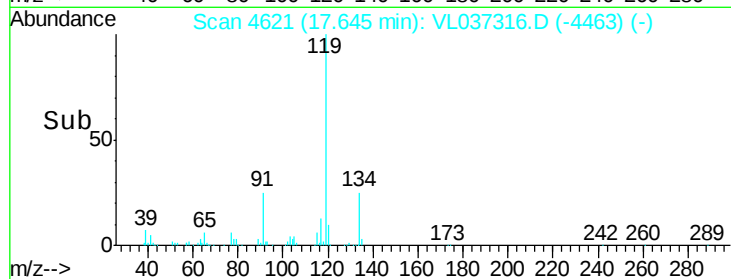
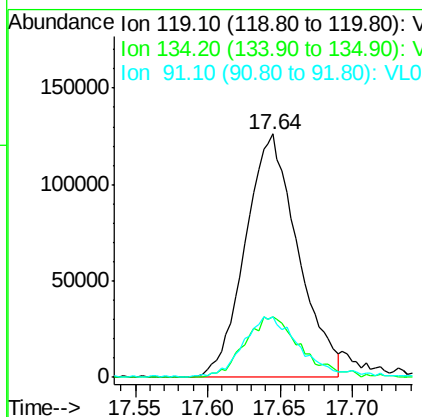
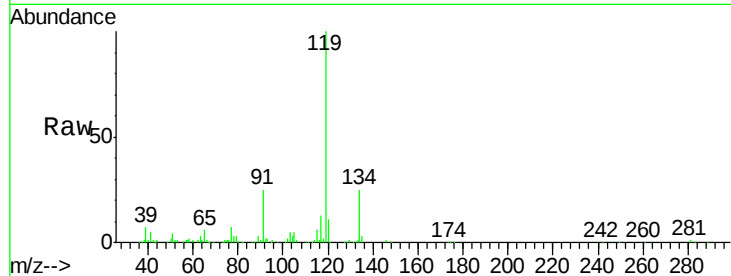
#69
 p-Isopropyltoluene
 Concen: 0.527 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. 0.01 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	119	Resp:	316993
Ion Ratio	Lower	Upper	
119	100		
134	27.3	21.0	31.6
91	27.2	20.5	30.7

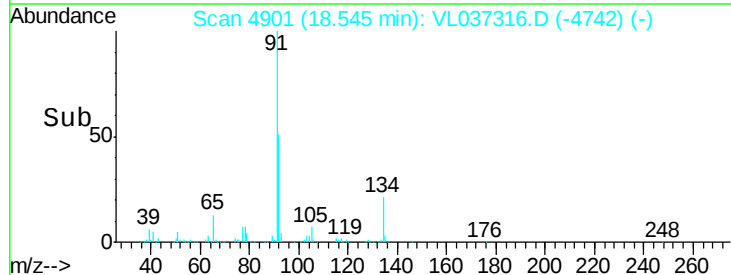
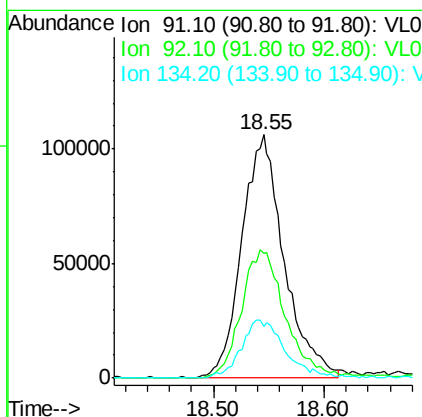
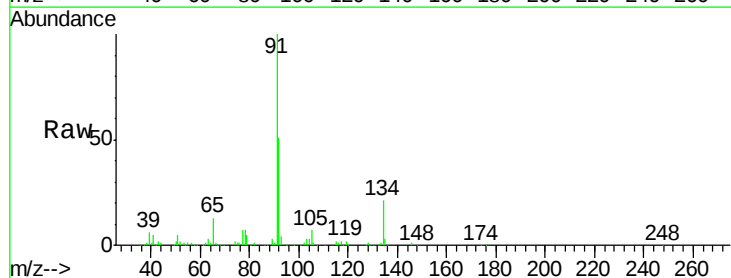
Manual Integrations
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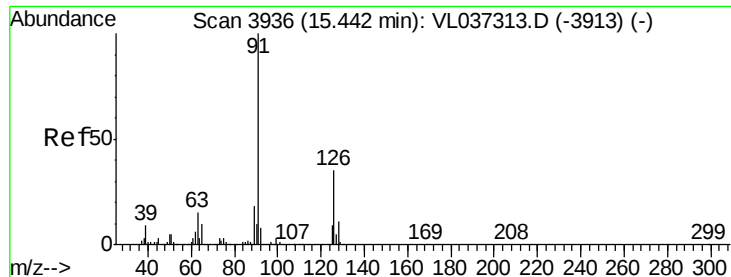
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 8/5/2021 1:39:57 PM



#70
 n-Butylbenzene
 Concen: 0.512 ppbv
 RT: 18.55 min Scan# 4901
 Delta R.T. 0.01 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Tgt Ion:	91	Resp:	281230
Ion Ratio	Lower	Upper	
91	100		
92	56.1	44.1	66.1
134	24.9	20.6	31.0





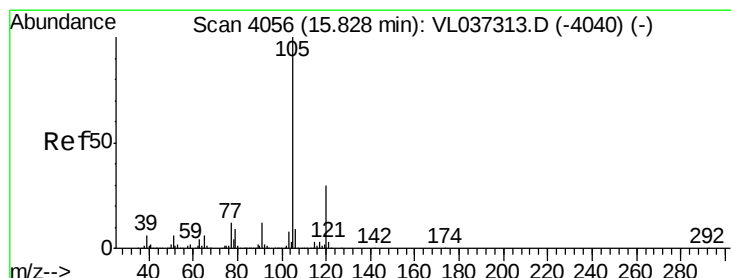
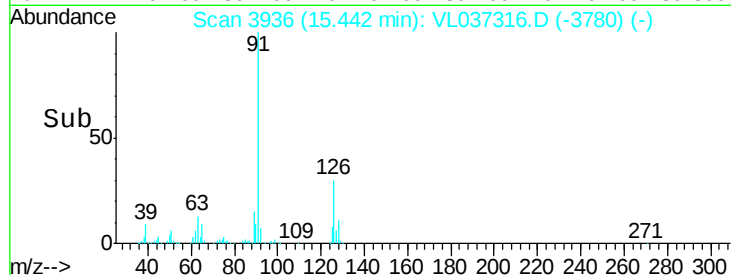
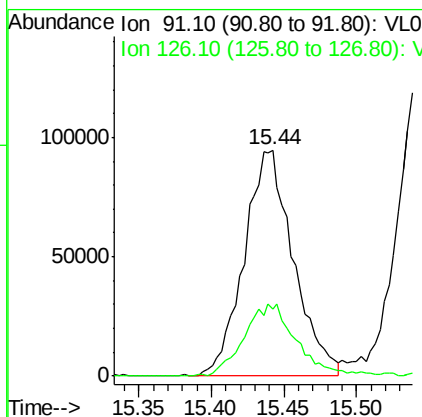
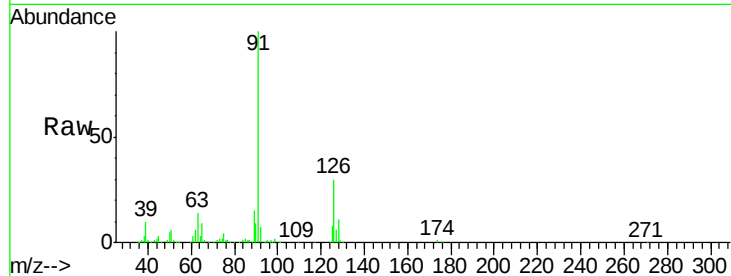
#71
 2-Chlorotoluene
 Concen: 0.553 ppbv
 RT: 15.44 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.6	14.3	57.1

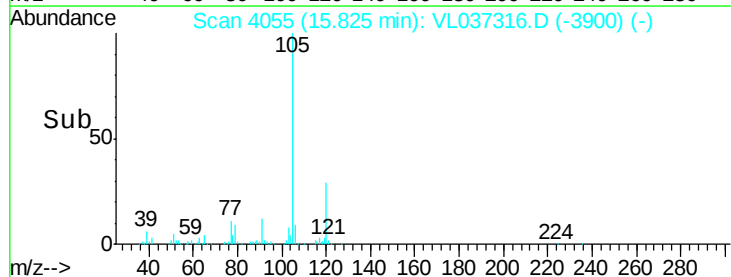
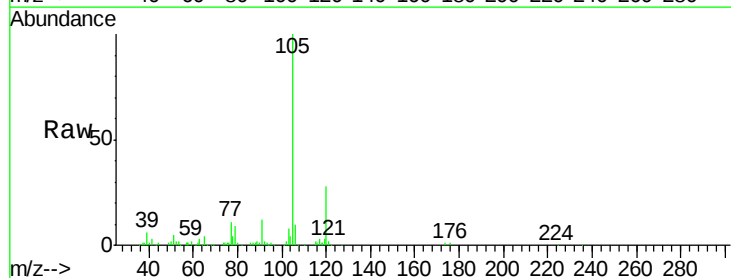
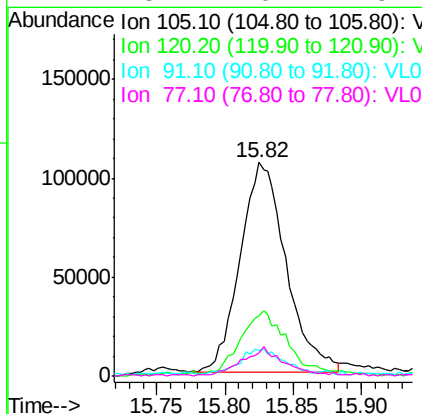
Manual Integrations
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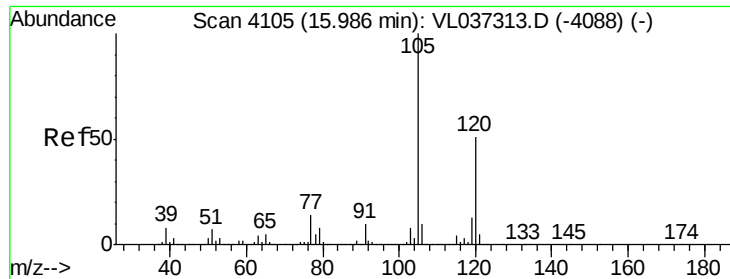
MMDadoda
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#72
 4-Ethyltoluene
 Concen: 0.524 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. -0.00 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	33.3	25.6	38.4
91	13.9	9.4	14.2
77	13.4	10.2	15.4





#73

1,3,5-Trimethylbenzene

Concen: 0.530 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. -0.00 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Instrument :

MSVOA_L

ClientSampled :

VSTDIC0.5

Tot Ion:105 Resp: 228448

Ion Ratio Lower Upper

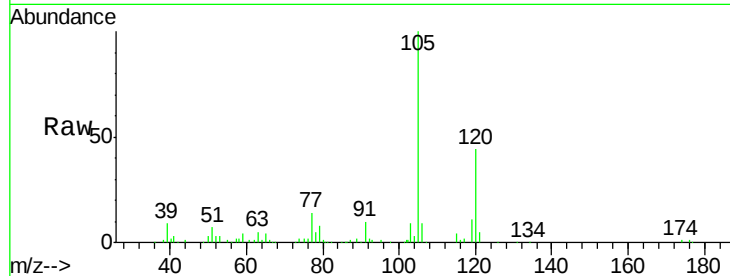
105 100

120 44.0 40.4 60.6

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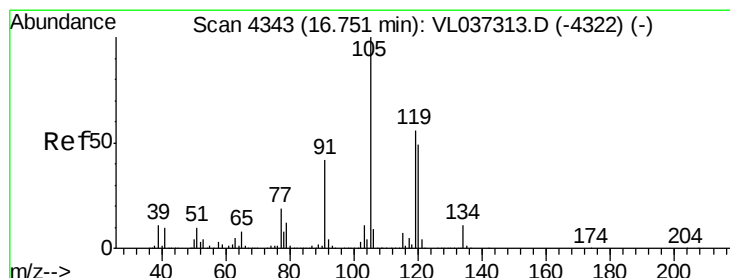
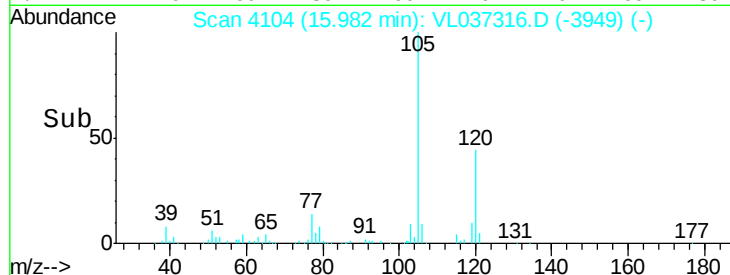
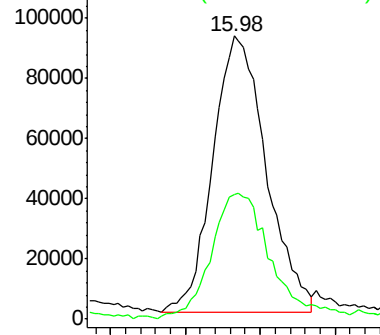
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.521 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. 0.00 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Tgt Ion:105 Resp: 239638

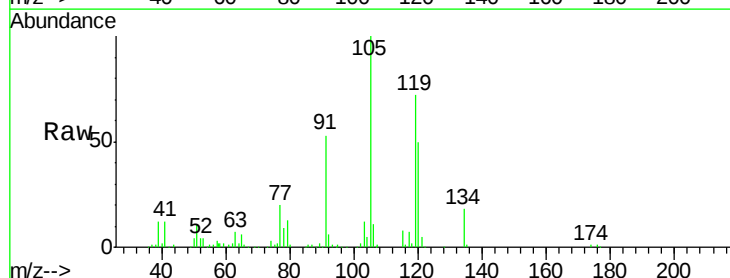
Ion Ratio Lower Upper

105 100

120 47.0 39.6 59.4

91 48.1 34.5 51.7

77 19.1 15.3 22.9

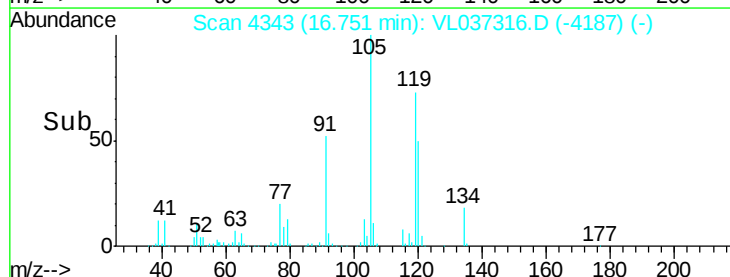
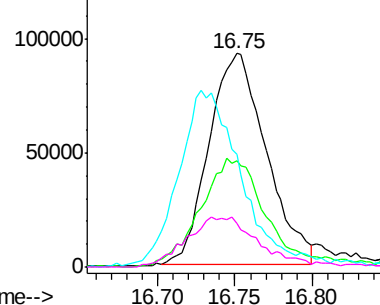


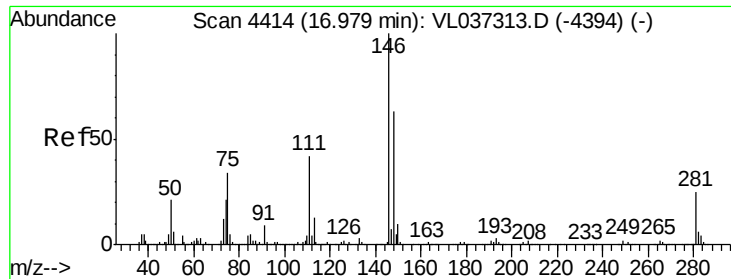
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VLO

Ion 77.10 (76.80 to 77.80): VLO





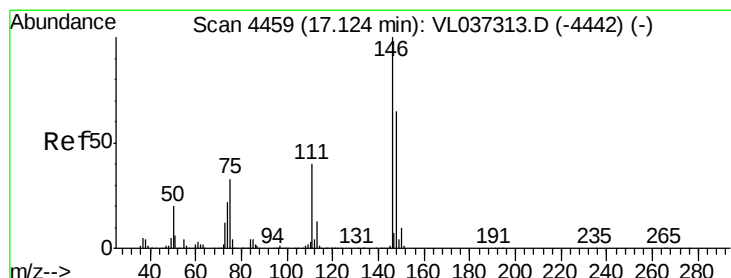
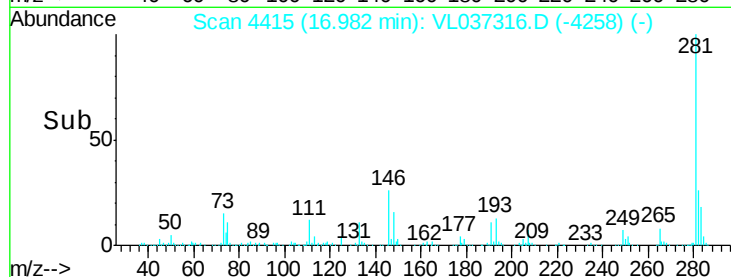
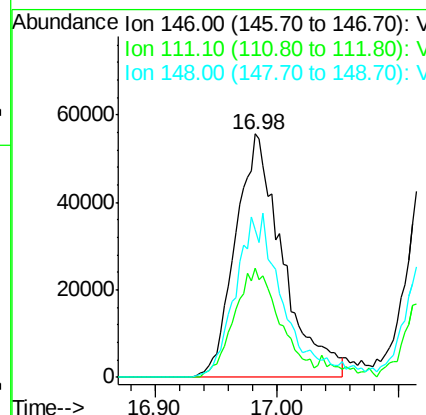
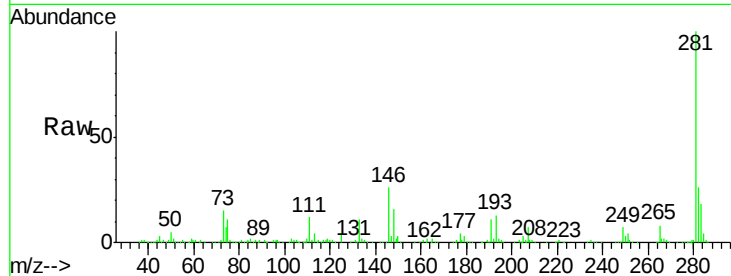
#75
 1,3-Dichlorobenzene
 Concen: 0.527 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.00 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
146	100	149535		
111	46.7		21.4	64.3
148	66.6		32.6	97.7

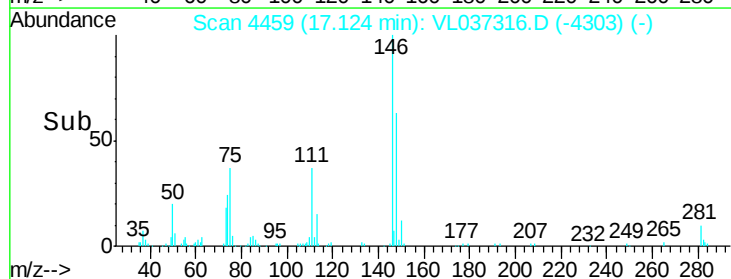
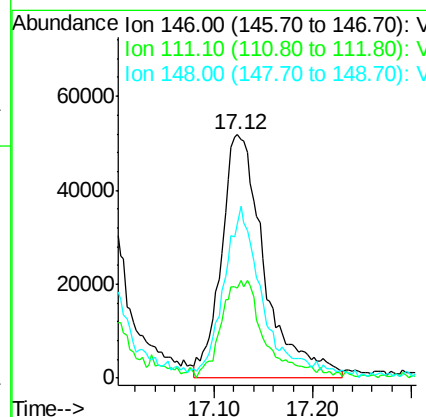
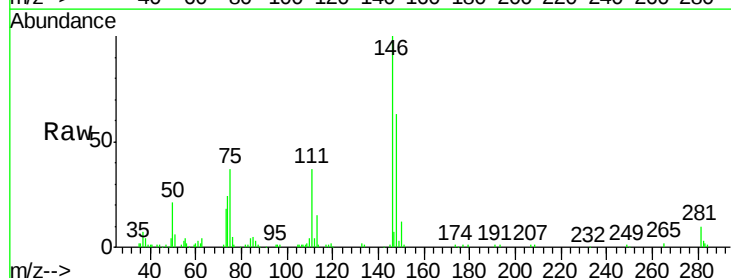
Manual Integrations
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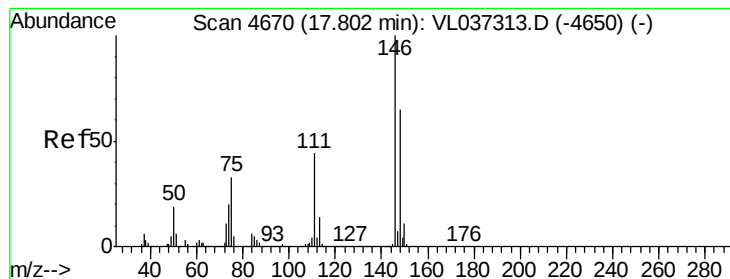
MMDadoda
 8/5/2021 1:39:57 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.581 ppbv m
 RT: 17.12 min Scan# 4459
 Delta R.T. 0.00 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	158648		
111	39.3		21.0	63.0
148	64.7		33.5	100.4





#77

1,2-Dichlorobenzene

Concen: 0.532 ppbv m

RT: 17.81 min Scan# 4671

Delta R.T. 0.00 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Instrument :

MSVOA_L

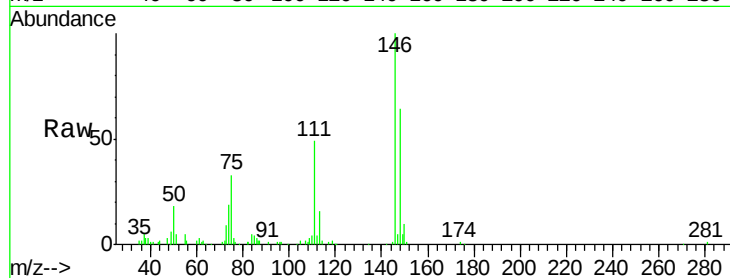
ClientSampleId :

VSTDIC0.5

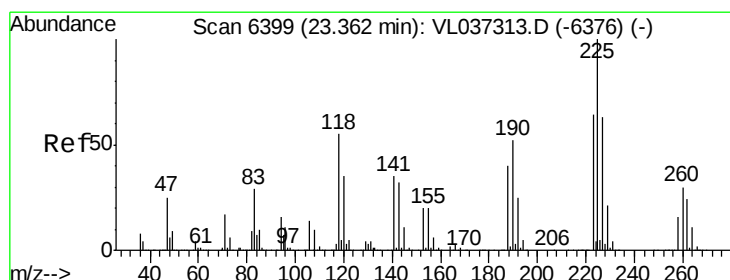
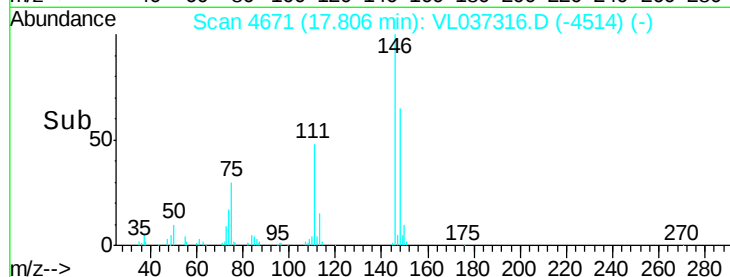
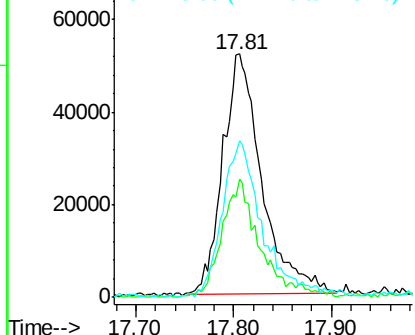
Tot Ion:	146	Resp:	144041
Ion Ratio	Lower	Upper	
146	100		
111	48.6	22.1	66.5
148	65.1	32.5	97.4

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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 0.688 ppbv m

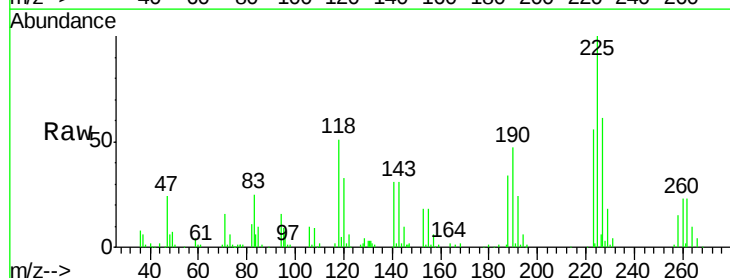
RT: 23.36 min Scan# 6399

Delta R.T. 0.00 min

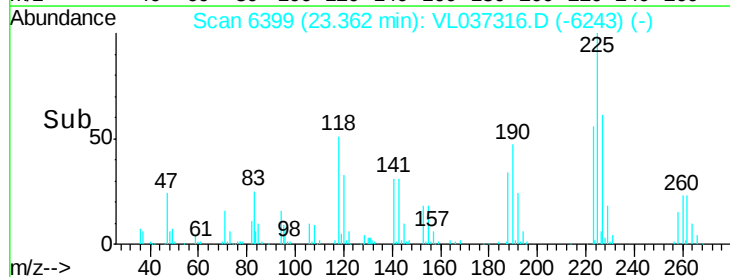
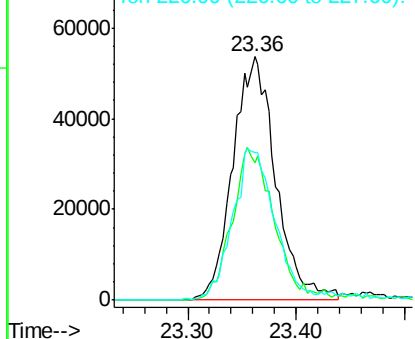
Lab File: VL037316.D

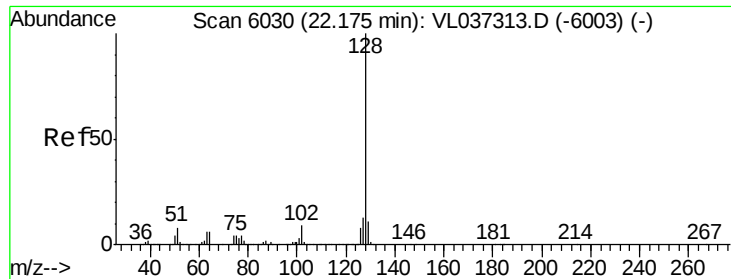
Acq: 4 Aug 2021 19:21

Tgt Ion:	225	Resp:	147244
Ion Ratio	Lower	Upper	
225	100		
223	0.0	51.1	76.7#
227	0.0	51.9	77.9#



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.397 ppbv

RT: 22.19 min Scan# 6036

Delta R.T. 0.02 min

Lab File: VL037316.D

Acq: 4 Aug 2021 19:21

Instrument :

MSVOA_L

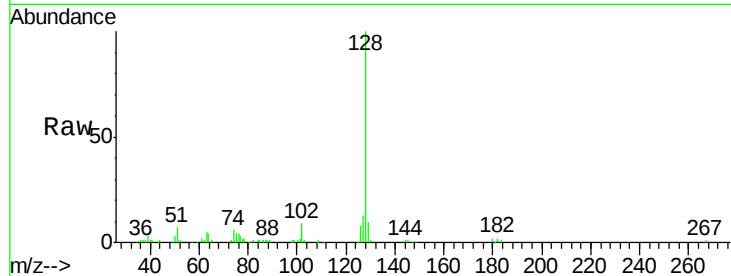
ClientSampleId :

VSTDIC0.5

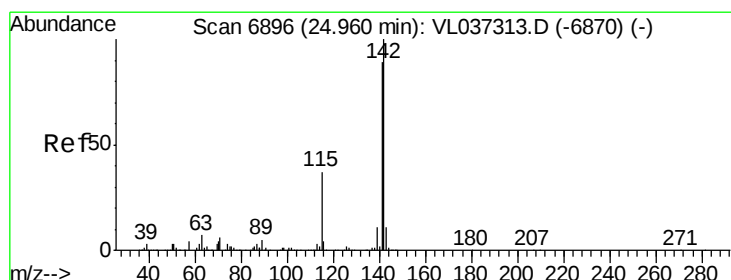
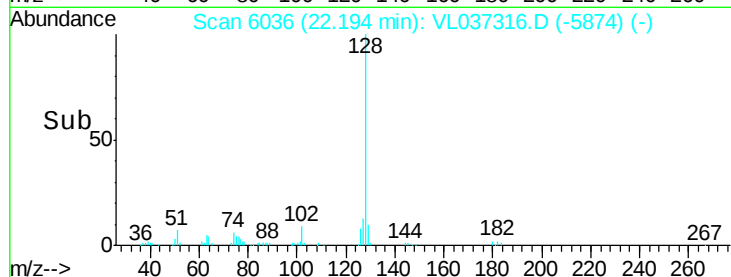
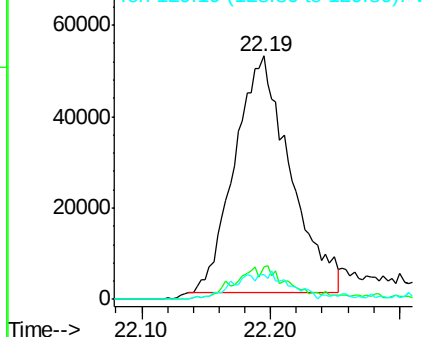
Tot Ion:	128	Resp:	155709
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.3	15.5
129	10.1	8.6	12.8

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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.158 ppbv m

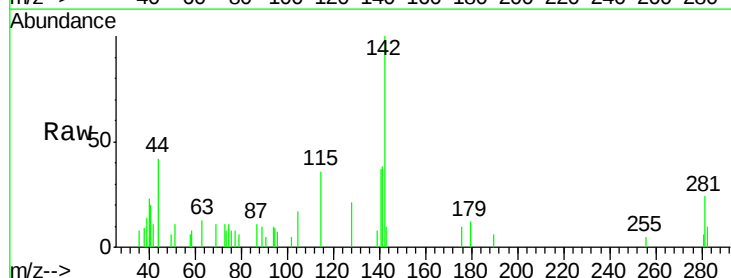
RT: 24.97 min Scan# 6900

Delta R.T. 0.01 min

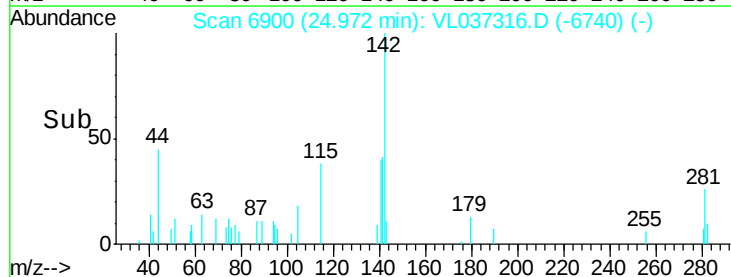
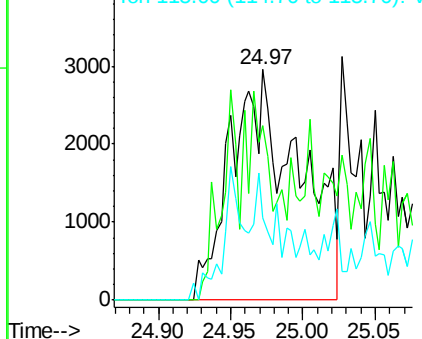
Lab File: VL037316.D

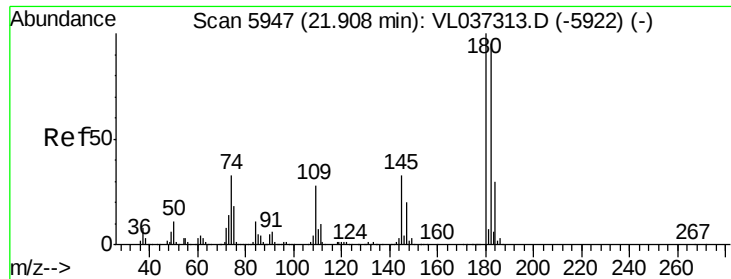
Acq: 4 Aug 2021 19:21

Tgt Ion:	142	Resp:	9757
Ion Ratio	Lower	Upper	
142	100		
141	13.7	67.2	100.8#
115	7.7	27.9	41.9#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.520 ppbv
 RT: 21.92 min Scan# 5950
 Delta R.T. 0.01 min
 Lab File: VL037316.D
 Acq: 4 Aug 2021 19:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	105.5	78.0	117.0	
184	34.9	25.0	37.4	

Manual Integrations
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