

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037315.D
 Acq On : 4 Aug 2021 18:43
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 1:39:52 PM

Quant Time: Aug 04 22:35:06 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
 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	1262294	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4023338	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3702366	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2554746	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	319908	1.334	ppbv 99
3) Chlorodifluoromethane	2.98	51	281215	1.088	ppbv 99
4) Chloromethane	3.14	50	100995	1.102	ppbv 99
5) Vinyl Chloride	3.25	62	101996	1.020	ppbv 94
6) Bromomethane	3.47	94	63092m	1.196	ppbv
7) Chloroethane	3.55	64	36532	1.181	ppbv 94
8) Dichlorotetrafluoroethane	3.18	85	266226	1.136	ppbv 98
9) Propene	3.01	41	102542	1.117	ppbv 99
10) Heptane	8.11	43	244042	1.114	ppbv 100
11) Trichlorofluoromethane	3.94	101	260687	1.108	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	185615	1.079	ppbv 98
13) Ethanol	3.62	45	12170m	1.340	ppbv
14) Bromoethene	3.74	108	81262	1.071	ppbv # 97
15) Acetone	3.86	43	168014	1.206	ppbv # 77
16) 1,3-Butadiene	3.32	39	93905	1.057	ppbv 97
17) tert-Butyl alcohol	4.33	59	141694	1.301	ppbv 96
18) 1,1-Dichloroethene	4.28	96	84146	1.081	ppbv 88
19) Isopropyl Alcohol	3.99	45	74449	1.062	ppbv # 90
20) Methylene Chloride	4.34	84	143721	1.251	ppbv 90
21) Allyl Chloride	4.40	41	108640	1.146	ppbv 92
22) trans-1,2-Dichloroethene	4.88	96	71093	0.989	ppbv 93
23) Vinyl Acetate	5.08	43	187990m	0.904	ppbv
24) 1,1-Dichloroethane	5.01	63	193566	1.114	ppbv # 98
25) Ethyl Acetate	5.68	43	394598	1.230	ppbv 98
26) Hexane	5.68	57	233411	1.152	ppbv 88
27) Carbon Disulfide	4.55	76	162616	0.999	ppbv # 95
28) Methyl tert-Butyl Ether	5.04	73	230454	1.129	ppbv 98
29) Chloroform	5.74	83	274172	1.070	ppbv 95
30) Cyclohexane	7.12	84	165920	1.191	ppbv # 74
31) cis-1,2-Dichloroethene	5.54	61	169208	1.198	ppbv 93
32) 1,1,1-Trichloroethane	6.50	97	253177	1.112	ppbv 96
34) 2-Butanone	5.25	43	146764	1.035	ppbv # 82
35) Carbon Tetrachloride	7.01	117	261404	1.052	ppbv 97
36) Benzene	6.88	78	400292	1.096	ppbv 98
37) 1,2-Dichloroethane	6.29	62	175907	1.032	ppbv 99
38) Trichloroethene	7.82	130	163696	1.042	ppbv 98
39) 1,2-Dichloropropane	7.61	63	146834	1.243	ppbv 94
40) 1,4-Dioxane	7.86	88	45978m	2.539	ppbv
41) Tetrahydrofuran	6.07	42	86691m	1.459	ppbv
42) Bromodichloromethane	7.78	83	273338	1.070	ppbv # 95
43) Methyl Methacrylate	8.01	69	135788	1.203	ppbv 96

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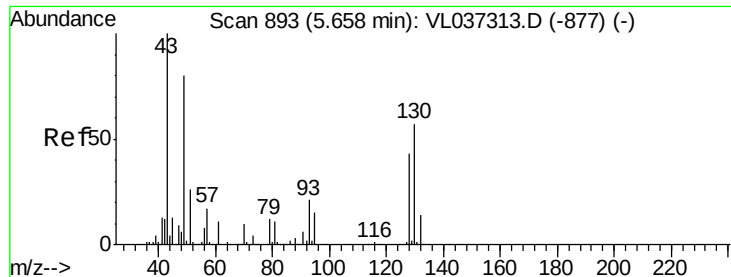
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	679313	1.124	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	90924	0.994	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	142548	1.008	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	157516m	1.228	ppbv	
48) Dibromochloromethane	10.29	129	225532	1.034	ppbv	97
49) Bromoform	13.02	173	167315	0.998	ppbv	96
50) 4-Methyl-2-Pentanone	8.77	43	234663	1.151	ppbv	99
51) 2-Hexanone	10.17	43	100910m	1.482	ppbv	
52) Tetrachloroethene	11.21	164	166601m	1.264	ppbv	
53) Toluene	9.80	91	481258	1.114	ppbv	99
54) 1,2-Dibromoethane	10.60	107	218811	1.171	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.11	131	176325	1.089	ppbv #	1
57) Chlorobenzene	12.13	112	351773	1.119	ppbv	95
58) Ethyl Benzene	12.70	91	608178	1.114	ppbv	99
59) m/p-Xylene	12.98	91	1011040m	3.377	ppbv	
60) o-Xylene	13.68	91	486539	1.153	ppbv	93
61) Styrene	13.51	104	255514	1.105	ppbv	97
62) Isopropylbenzene	14.65	105	690092	1.276	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.66	83	304676	1.212	ppbv	96
64) n-propylbenzene	15.55	120	177818	1.113	ppbv	98
65) tert-Butylbenzene	16.73	119	629675	1.238	ppbv	99
66) Benzyl Chloride	16.98	91	20172m	0.195	ppbv	
67) sec-Butylbenzene	17.27	105	840630m	1.240	ppbv	
69) p-Isopropyltoluene	17.64	119	704106	1.107	ppbv	99
70) n-Butylbenzene	18.54	91	621303	1.069	ppbv	99
71) 2-Chlorotoluene	15.44	91	470809	1.100	ppbv	99
72) 4-Ethyltoluene	15.82	105	553936	1.097	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	488566	1.072	ppbv	95
74) 1,2,4-Trimethylbenzene	16.75	105	535335	1.100	ppbv	93
75) 1,3-Dichlorobenzene	16.98	146	308345	1.028	ppbv	96
76) 1,4-Dichlorobenzene	17.12	146	301254	1.043	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	304157	1.062	ppbv	98
78) Hexachloro-1,3-Butadiene	23.36	225	283970	1.255	ppbv	99
79) Naphthalene	22.18	128	410452	0.989	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	29152m	0.445	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	261200m	1.215	ppbv	

(#) = 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

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MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1262294

Ion Ratio Lower Upper

49 100

128 60.9 29.8 89.5

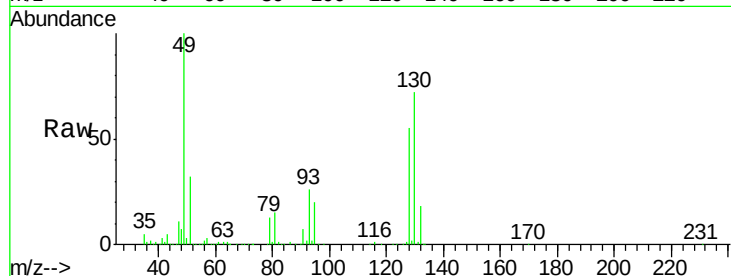
130 77.1 37.5 112.7

Manual Integrations

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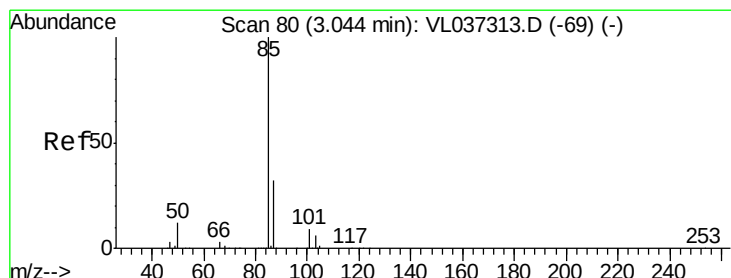
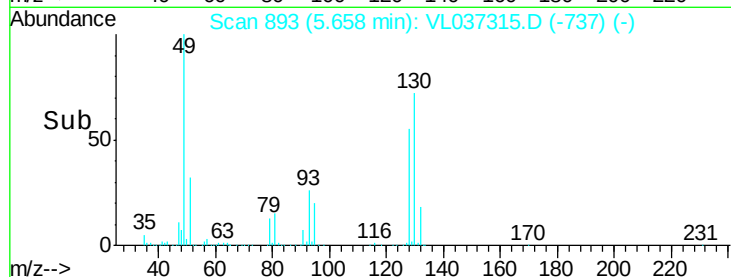
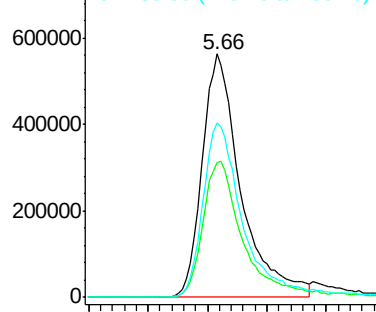
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.334 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL037315.D

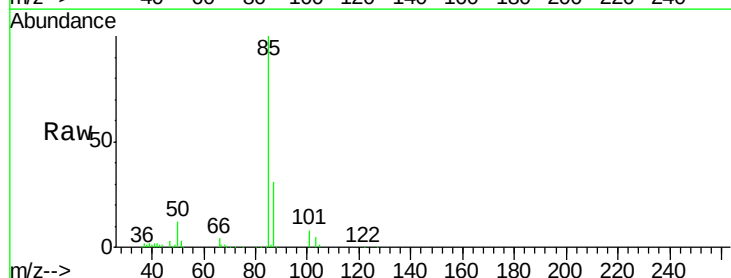
Acq: 4 Aug 2021 18:43

Tgt Ion: 85 Resp: 319908

Ion Ratio Lower Upper

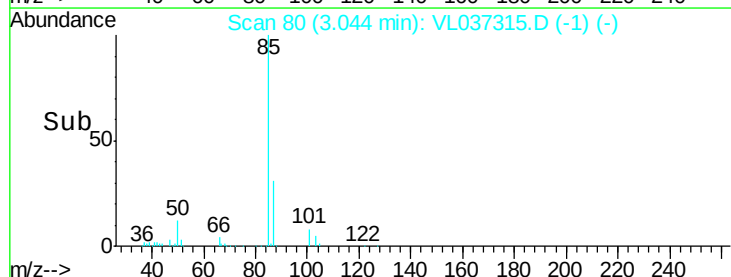
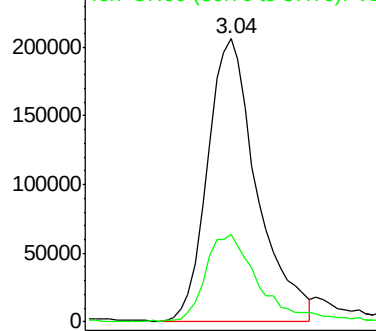
85 100

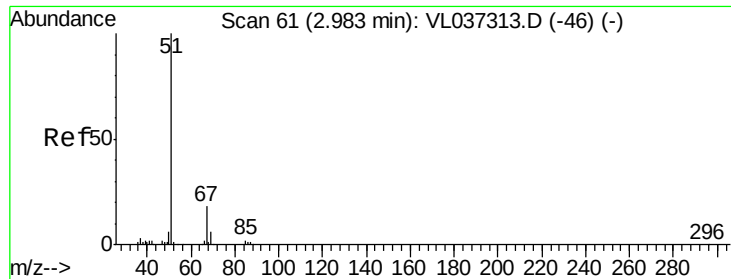
87 31.1 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.088 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Tot Ion: 51 Resp: 281215

Ion Ratio Lower Upper

51 100

67 18.2 14.2 21.2

Instrument :

MSVOA_L

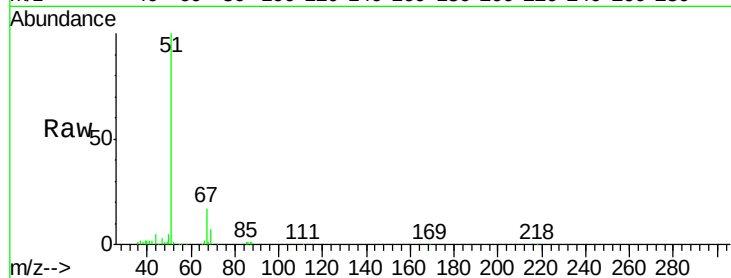
ClientSampleId :

VSTDIC001

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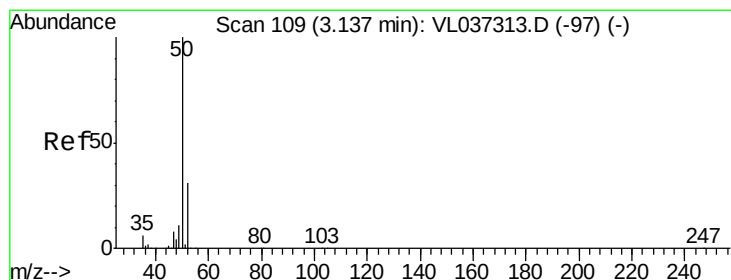
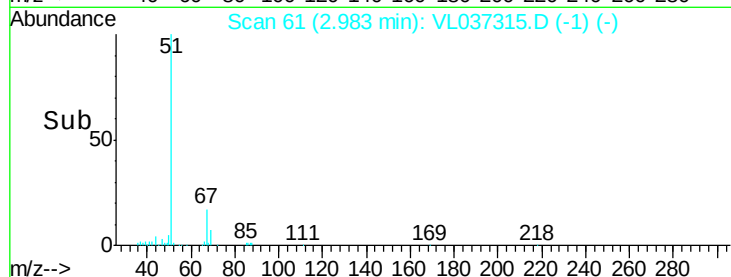
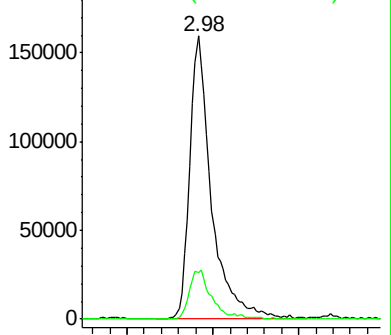
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.102 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL037315.D

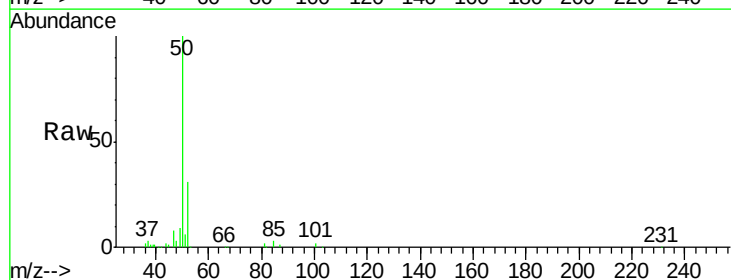
Acq: 4 Aug 2021 18:43

Tgt Ion: 50 Resp: 100995

Ion Ratio Lower Upper

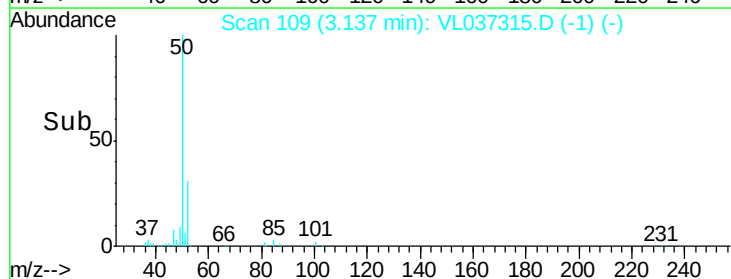
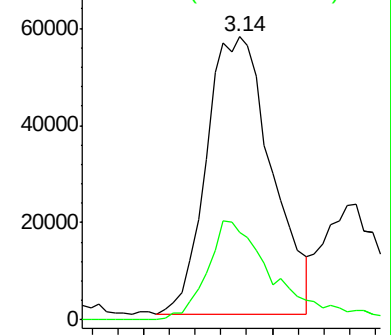
50 100

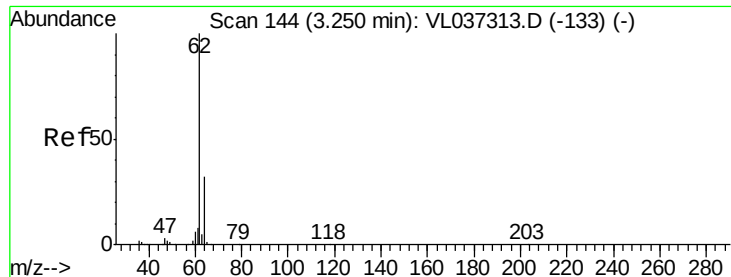
52 31.7 25.1 37.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.020 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 101996

Ion Ratio Lower Upper

62 100

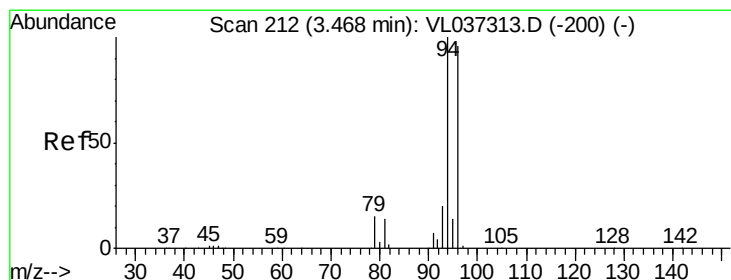
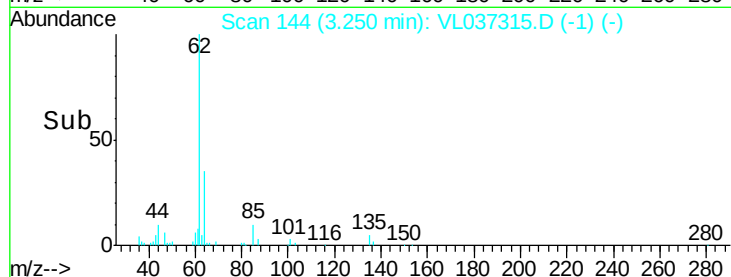
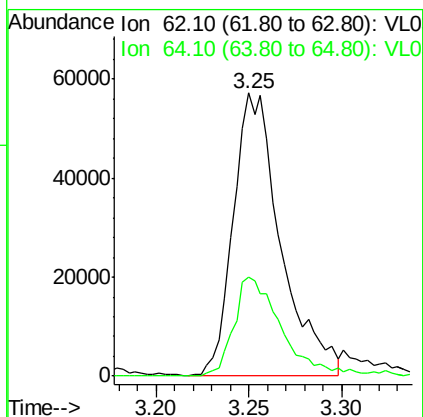
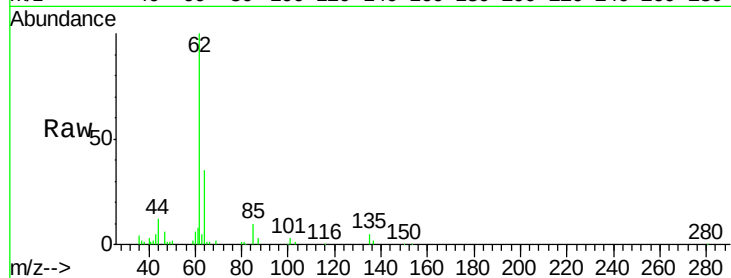
64 35.2 25.7 38.5

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#6

Bromomethane

Concen: 1.196 ppbv m

RT: 3.47 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL037315.D

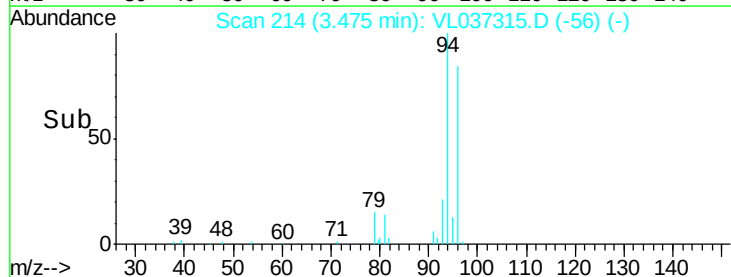
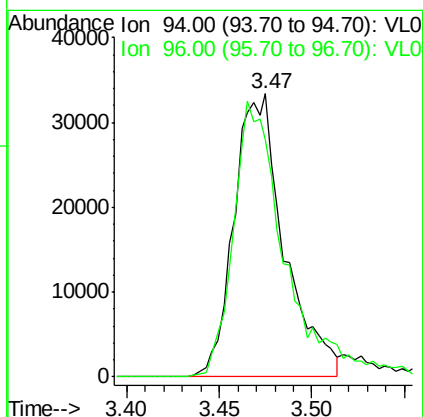
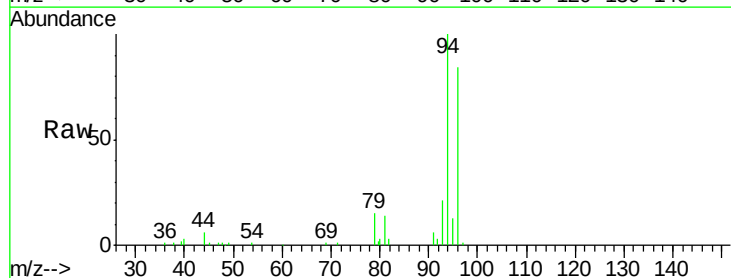
Acq: 4 Aug 2021 18:43

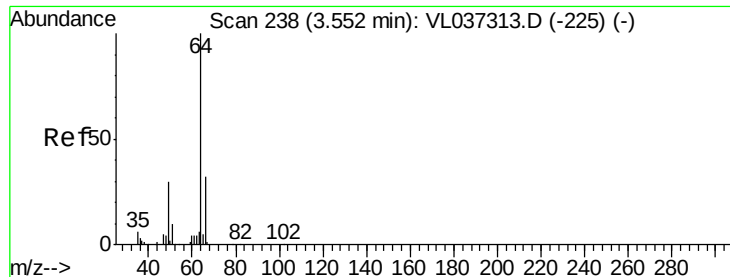
Tgt Ion: 94 Resp: 63092

Ion Ratio Lower Upper

94 100

96 83.6 76.7 115.1





#7

Chloroethane

Concen: 1.181 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 36532

Ion Ratio Lower Upper

64 100

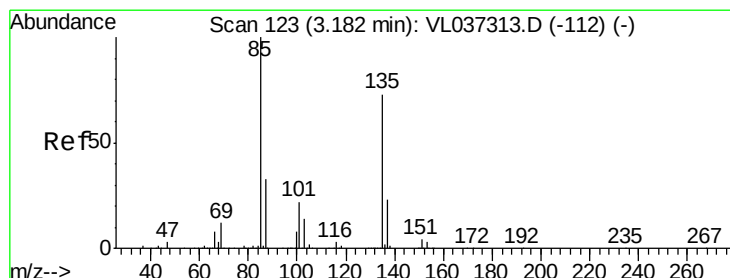
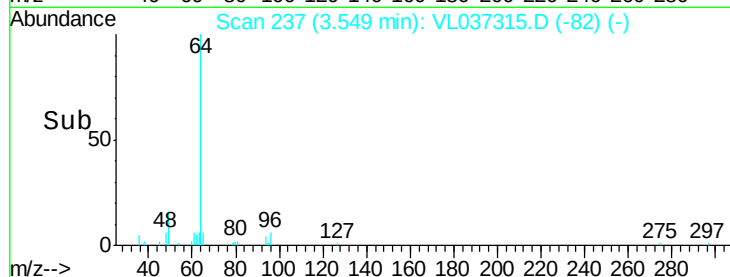
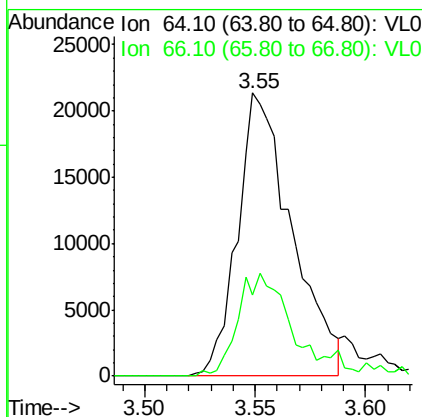
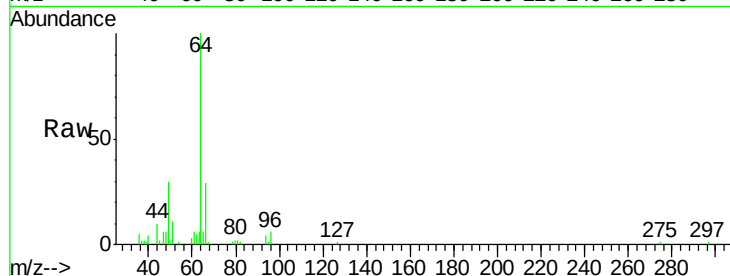
66 28.6 25.5 38.3

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 1.136 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL037315.D

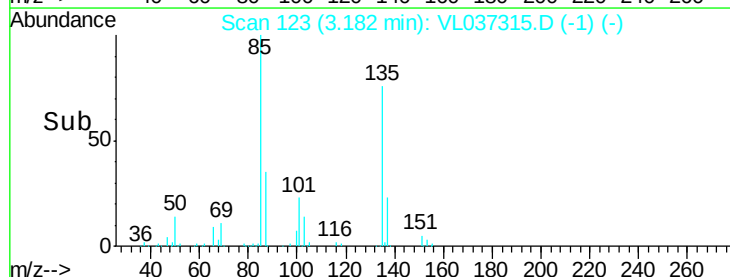
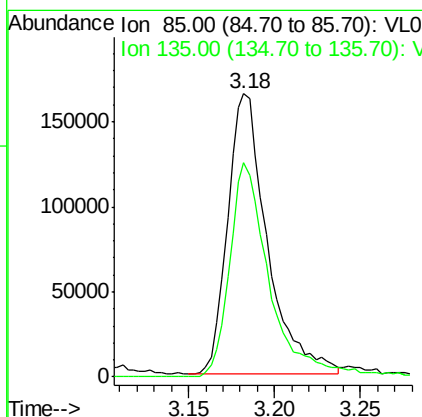
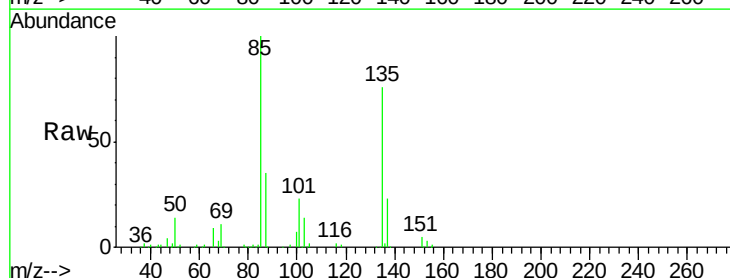
Acq: 4 Aug 2021 18:43

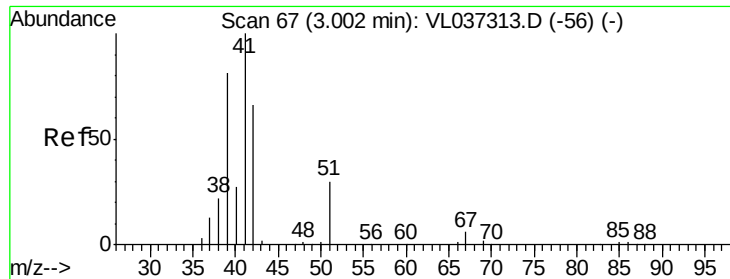
Tgt Ion: 85 Resp: 266226

Ion Ratio Lower Upper

85 100

135 77.6 60.6 91.0





#9

Propene

Concen: 1.117 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

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ClientSampleId :

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Tot Ion: 41 Resp: 102542

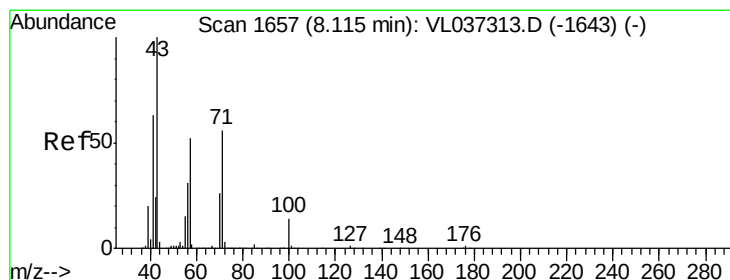
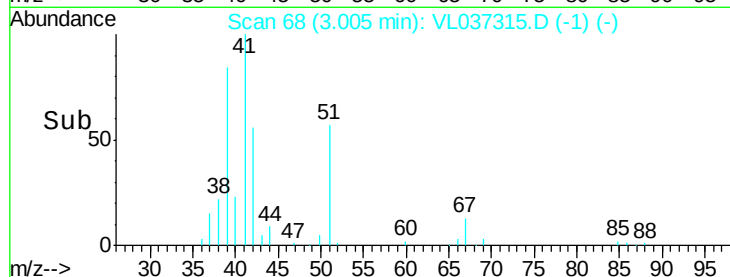
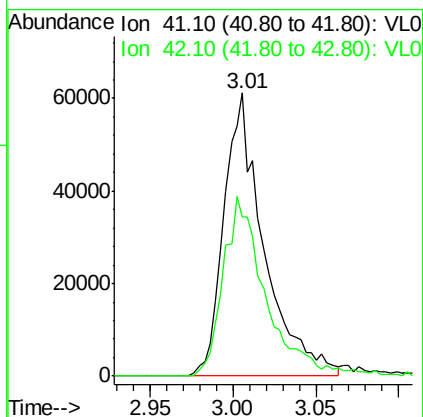
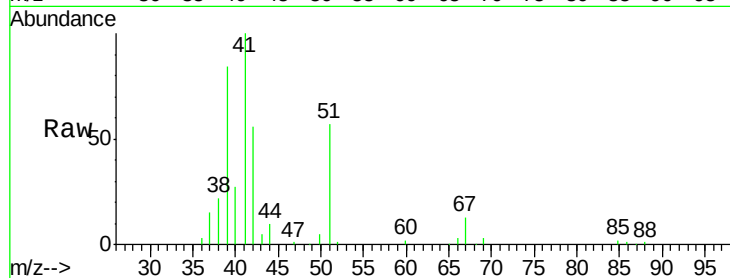
Ion Ratio Lower Upper

41 100

42 68.3 53.8 80.8

Manual Integrations
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#10

Heptane

Concen: 1.114 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VL037315.D

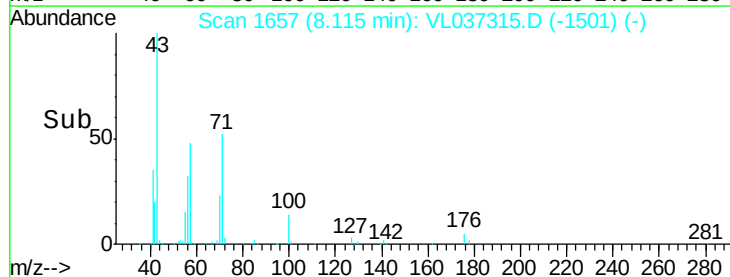
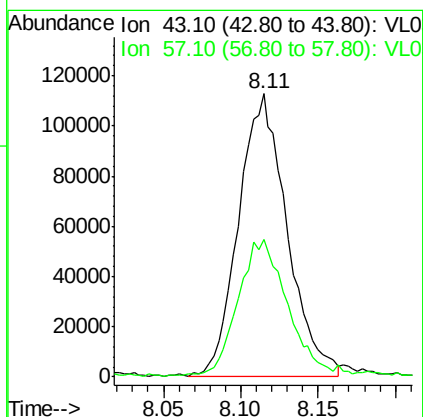
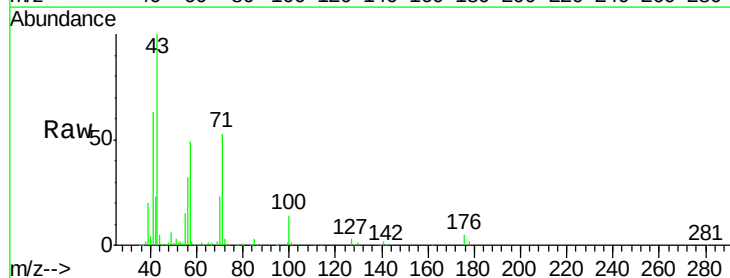
Acq: 4 Aug 2021 18:43

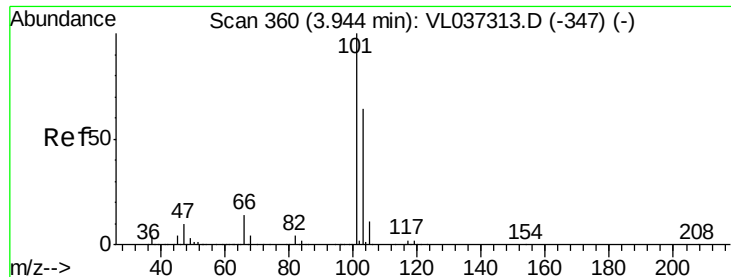
Tgt Ion: 43 Resp: 244042

Ion Ratio Lower Upper

43 100

57 53.0 42.4 63.6





#11

Trichlorofluoromethane

Concen: 1.108 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

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ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 260687

Ion Ratio Lower Upper

101 100

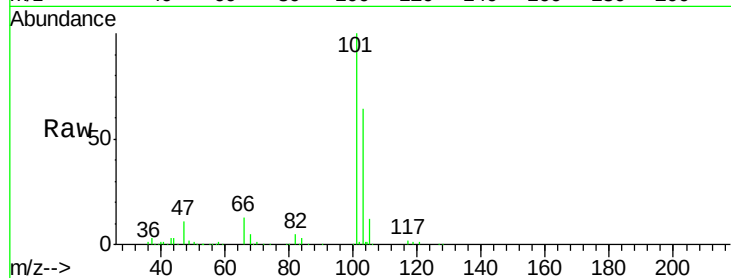
103 63.6 51.6 77.4

Manual Integrations

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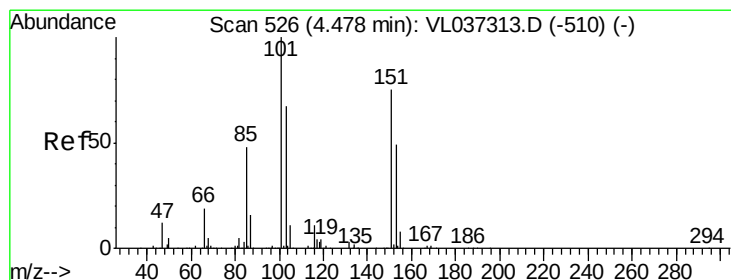
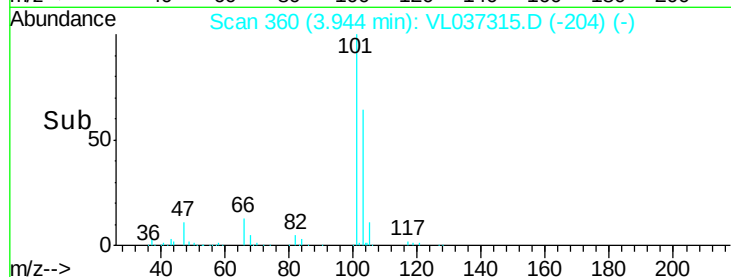
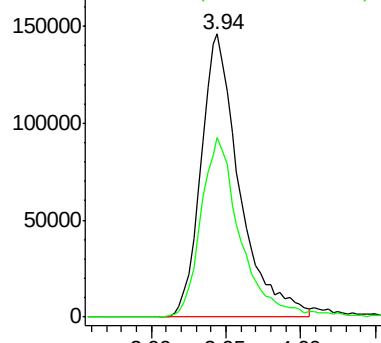
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.079 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.00 min

Lab File: VL037315.D

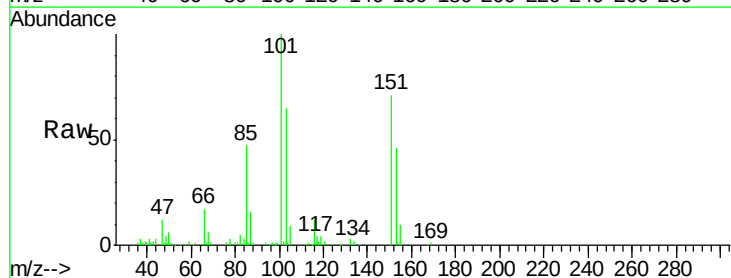
Acq: 4 Aug 2021 18:43

Tgt Ion:101 Resp: 185615

Ion Ratio Lower Upper

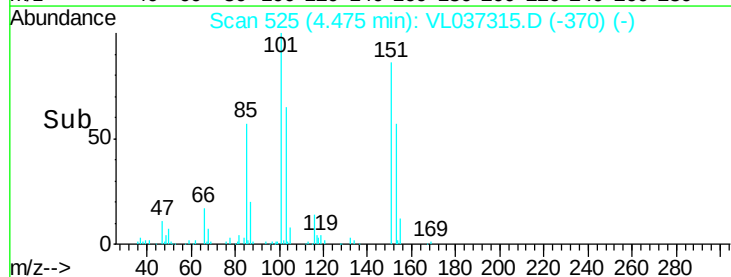
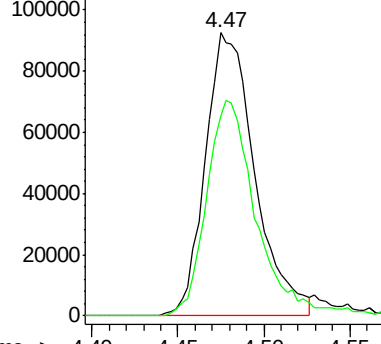
101 100

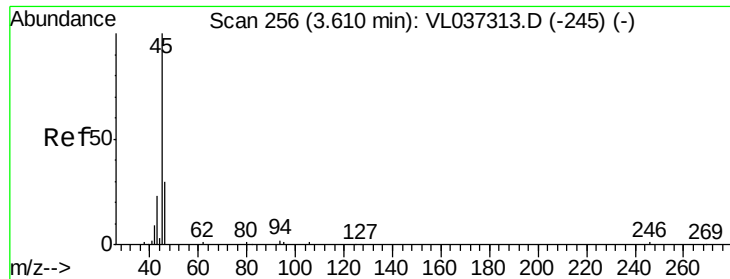
151 77.7 60.6 91.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





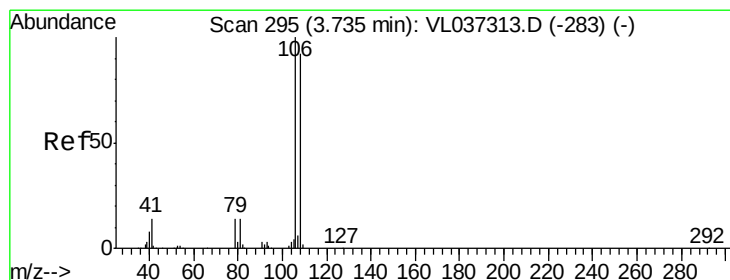
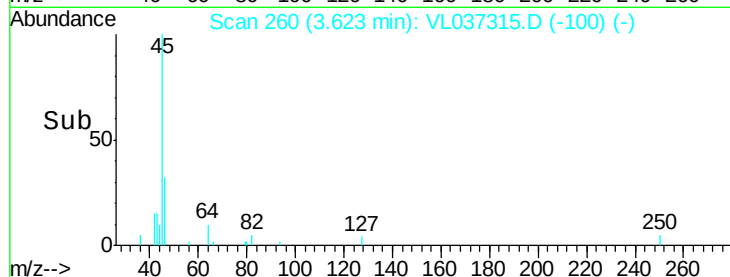
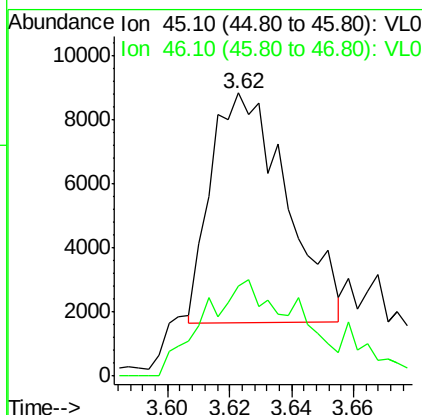
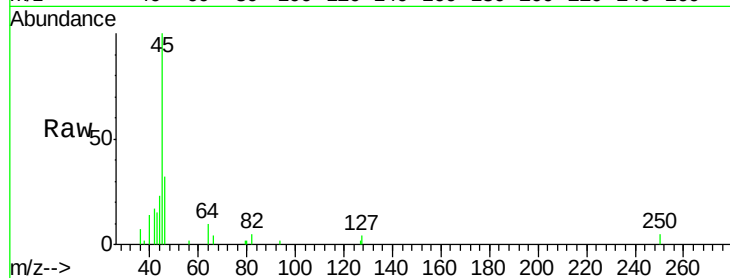
#13
Ethanol
Concen: 1.340 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	45	Ratio	Lower	Upper
45	100			
46	59.6	16.6	66.4	

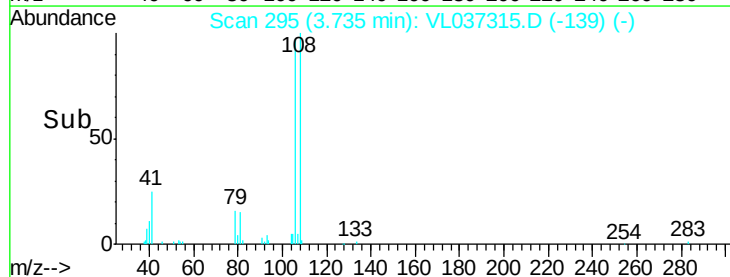
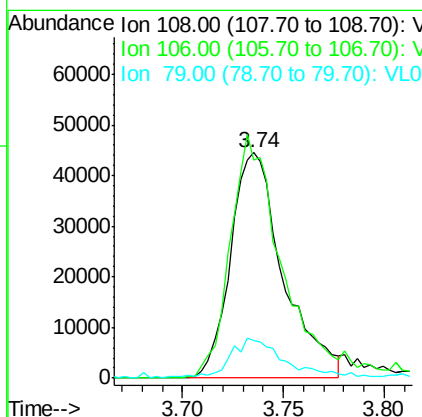
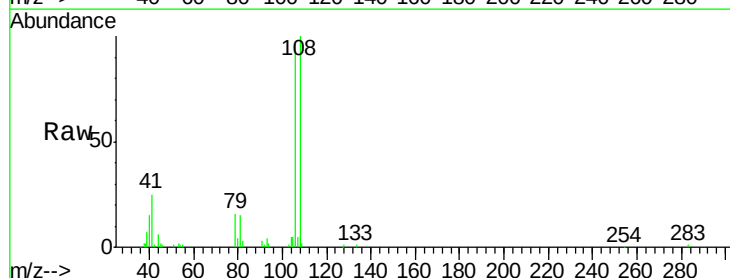
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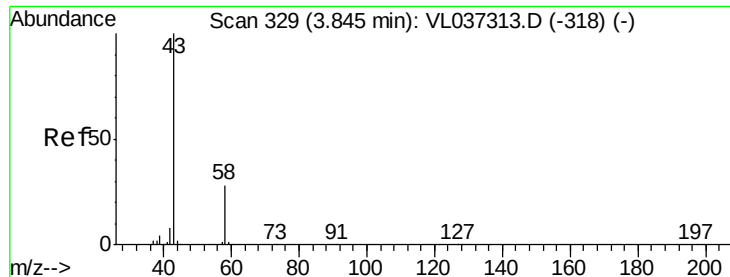
MMDadoda
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#14
Bromoethene
Concen: 1.071 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.00 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Tgt Ion	108	Ratio	Lower	Upper
108	100			
106	110.9	86.9	130.3	
79	19.8	12.3	18.5#	





#15

Acetone

Concen: 1.206 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.02 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 168014

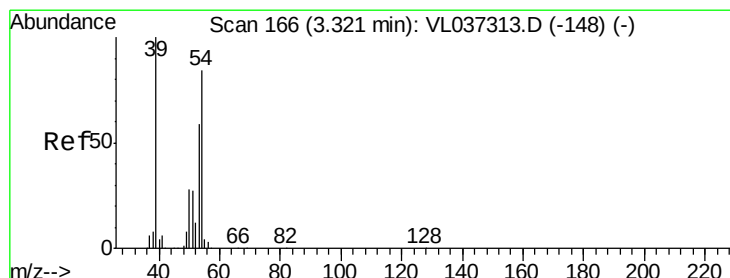
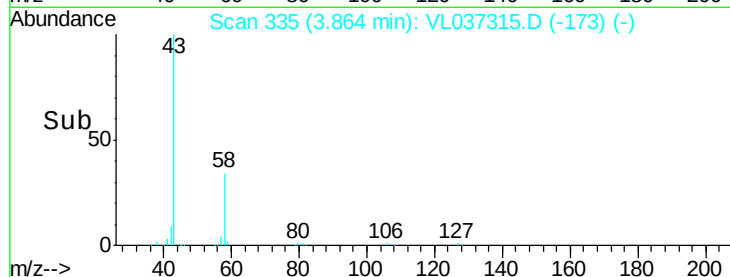
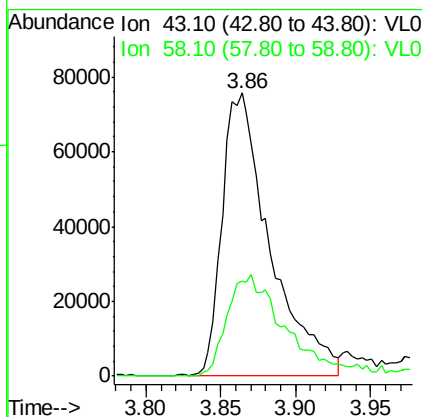
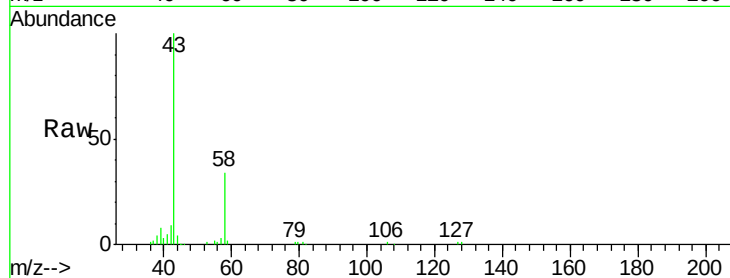
Ion Ratio Lower Upper

43 100

58 44.5 25.3 37.9#

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#16

1,3-Butadiene

Concen: 1.057 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL037315.D

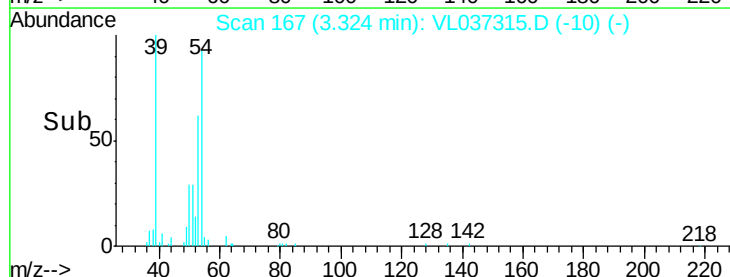
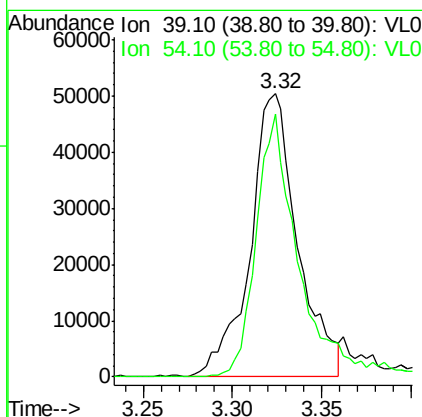
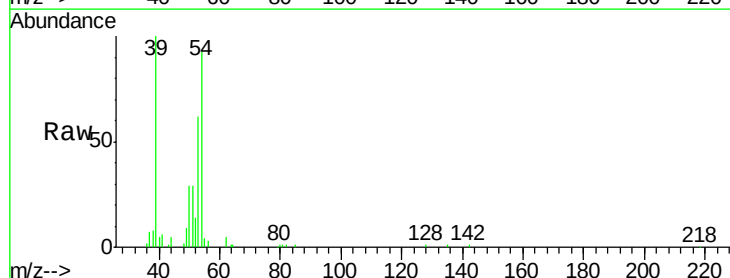
Acq: 4 Aug 2021 18:43

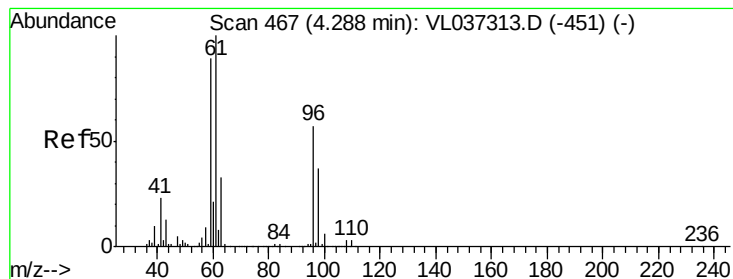
Tgt Ion: 39 Resp: 93905

Ion Ratio Lower Upper

39 100

54 85.4 66.1 99.1





#17

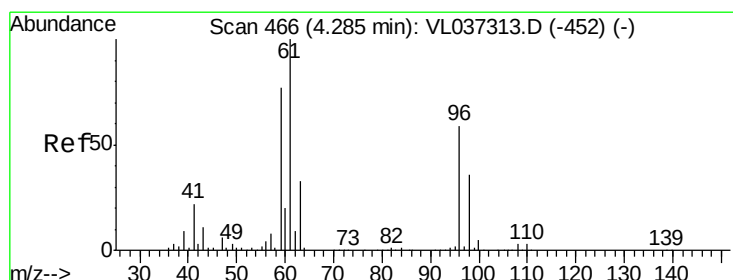
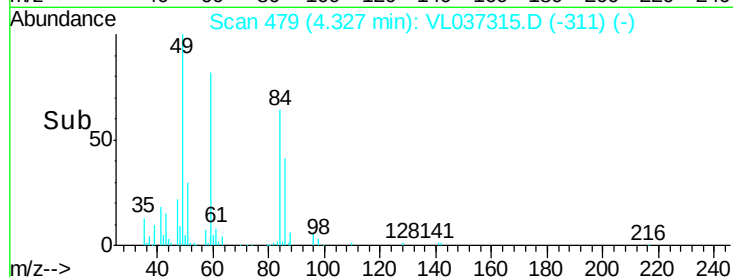
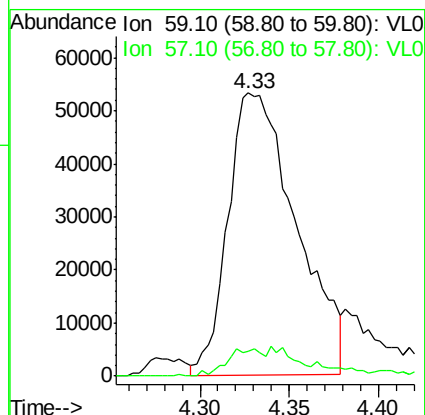
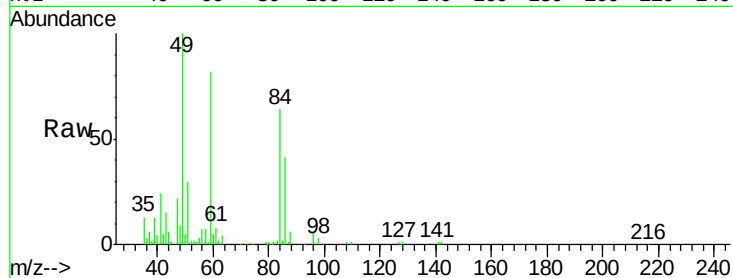
tert-Butyl alcohol
Concen: 1.301 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.04 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 59 Resp: 141694
Ion Ratio Lower Upper
59 100
57 12.2 8.6 12.8

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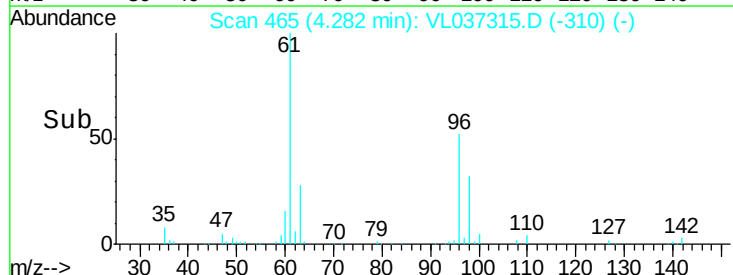
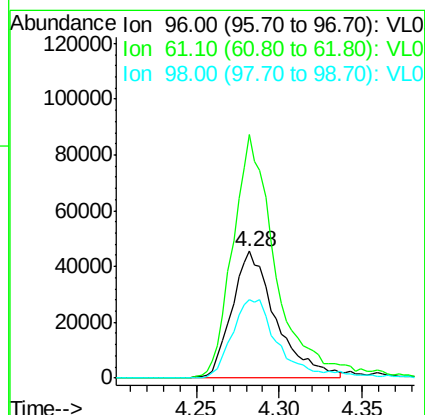
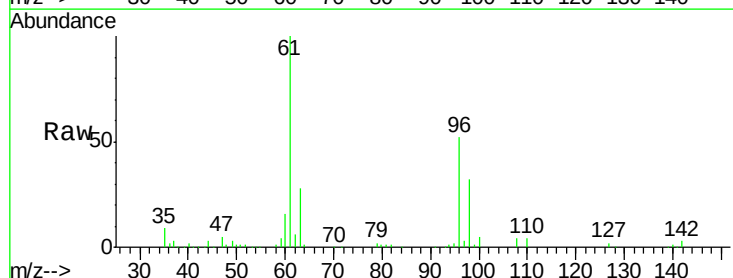
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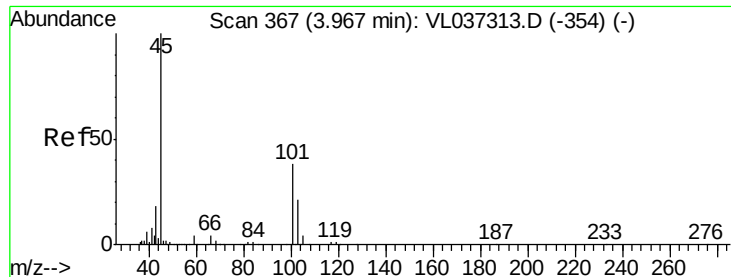


#18

1,1-Dichloroethene
Concen: 1.081 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Tgt Ion: 96 Resp: 84146
Ion Ratio Lower Upper
96 100
61 191.7 135.7 203.5
98 61.8 48.6 72.8





#19

Isopropyl Alcohol

Concen: 1.062 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.03 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 74449

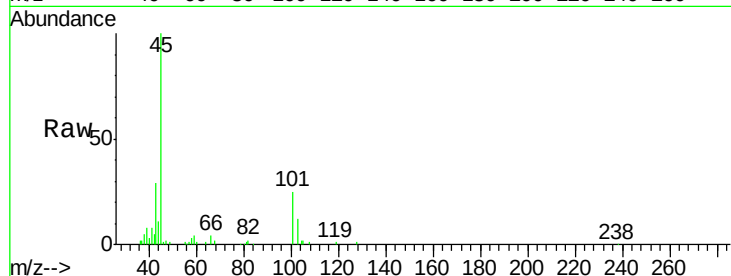
Ion Ratio Lower Upper

45 100

58 5.7 1.8 2.8#

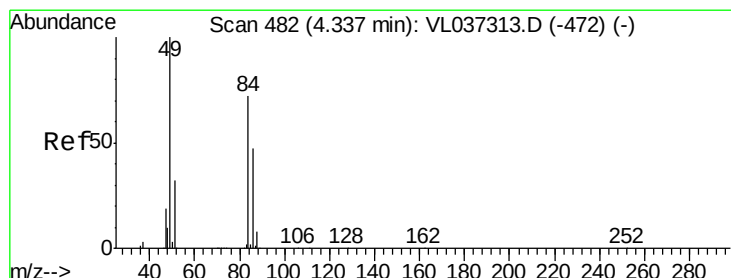
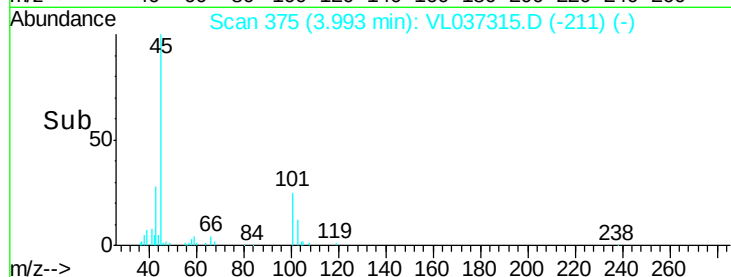
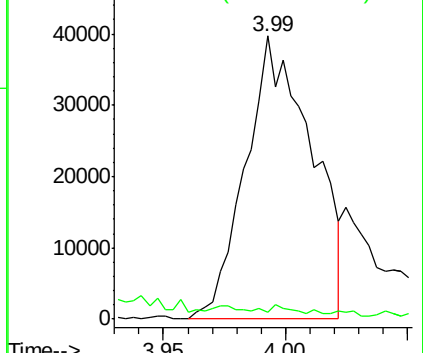
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.251 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Tgt Ion: 84 Resp: 143721

Ion Ratio Lower Upper

84 100

49 123.3 110.4 165.6

51 43.8 35.8 53.6

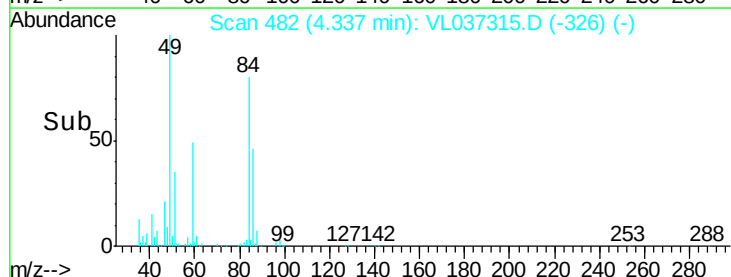
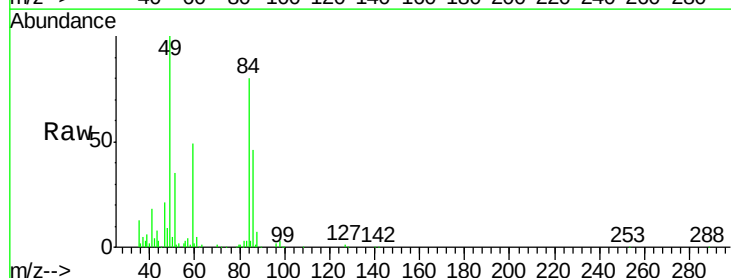
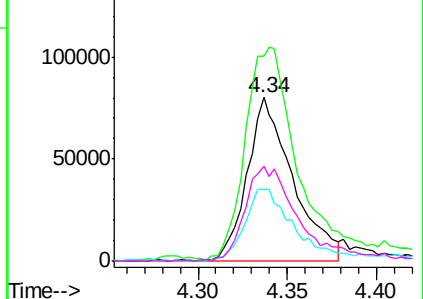
86 57.4 51.8 77.8

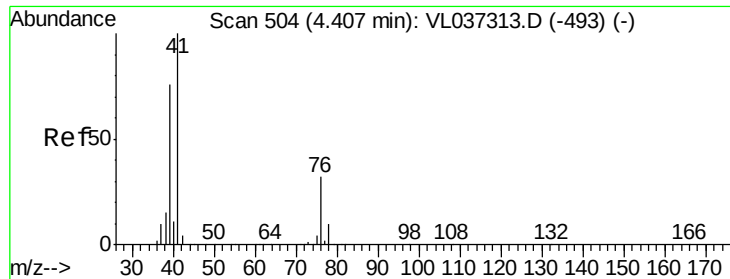
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





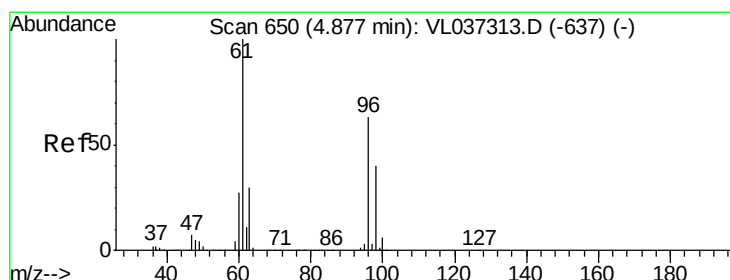
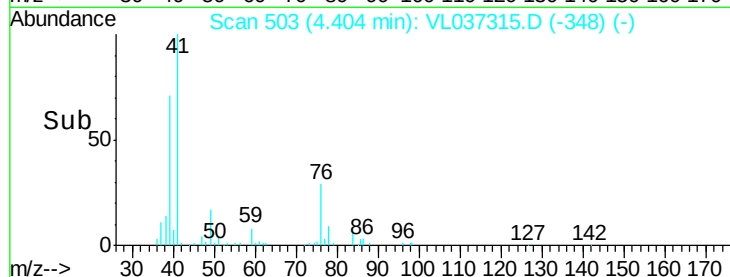
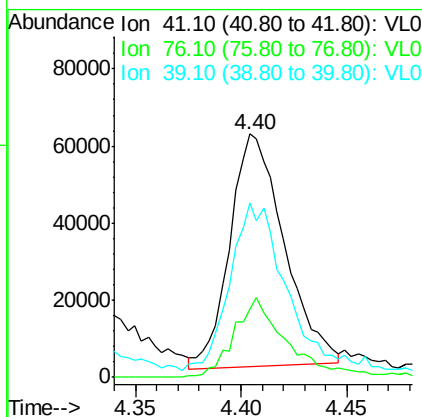
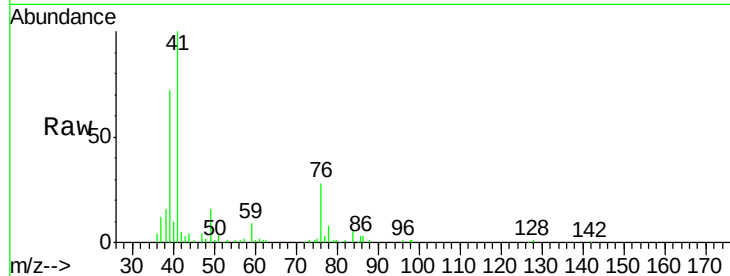
#21
 Allvl Chloride
 Concen: 1.146 ppbv
 RT: 4.40 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VL037315.D
 Acq: 4 Aug 2021 18:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	33.7	25.7	38.5
39	82.6	59.0	88.4

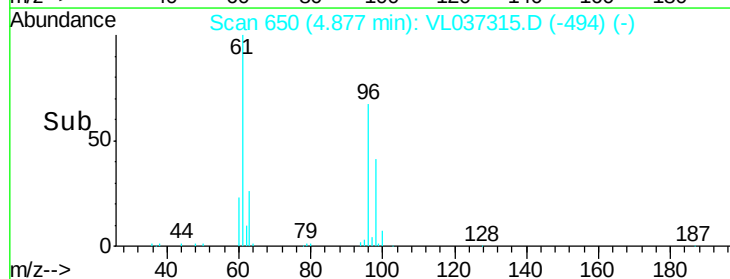
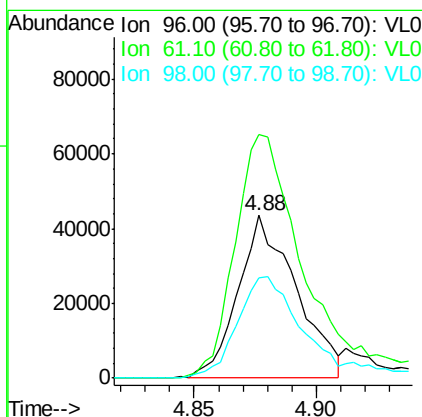
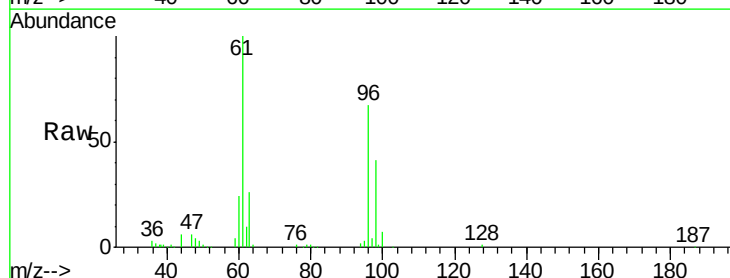
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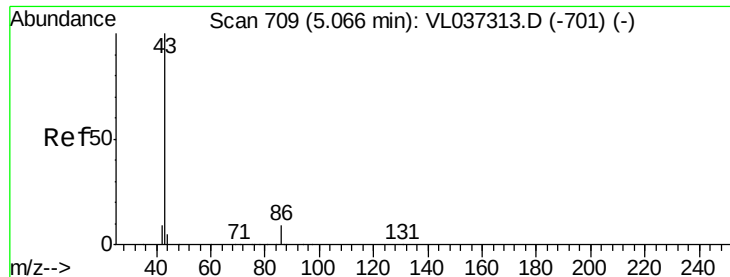
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#22
 trans-1,2-Dichloroethene
 Concen: 0.989 ppbv
 RT: 4.88 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: VL037315.D
 Acq: 4 Aug 2021 18:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.4	126.7	190.1
98	60.5	50.9	76.3





#23

Vinyl Acetate

Concen: 0.904 ppbv m

RT: 5.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 187990

Ion Ratio Lower Upper

43 100

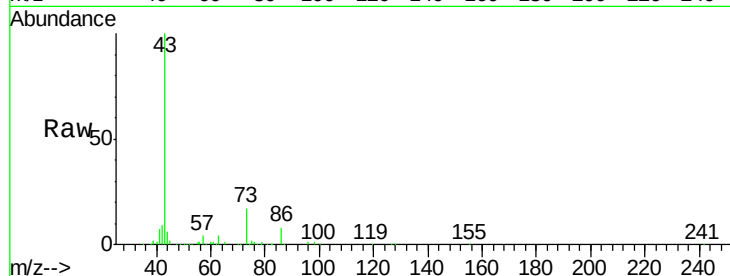
86 8.4 6.2 9.2

42 9.1 7.7 11.5

44 5.6 3.7 5.5#

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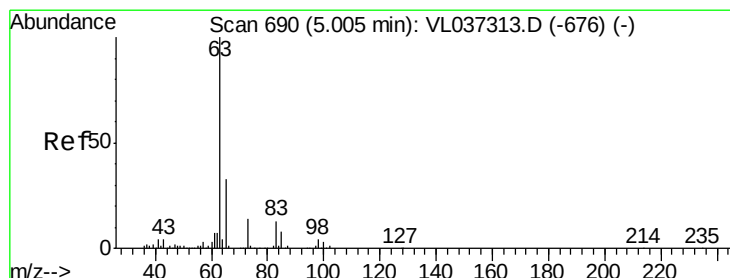
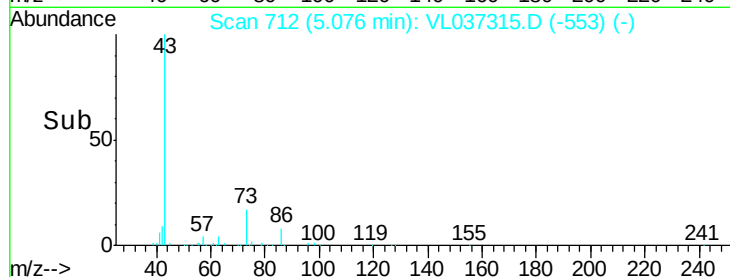
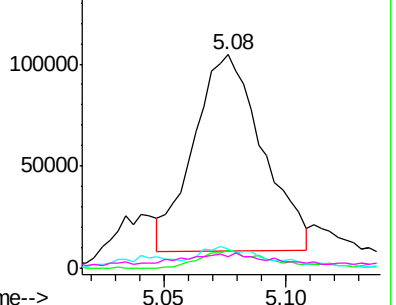


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 1.114 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

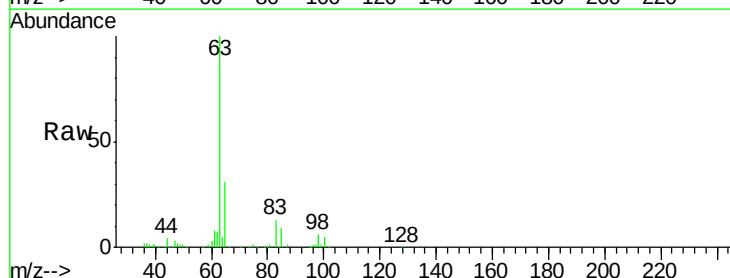
Tgt Ion: 63 Resp: 193566

Ion Ratio Lower Upper

63 100

98 4.9 2.4 7.2

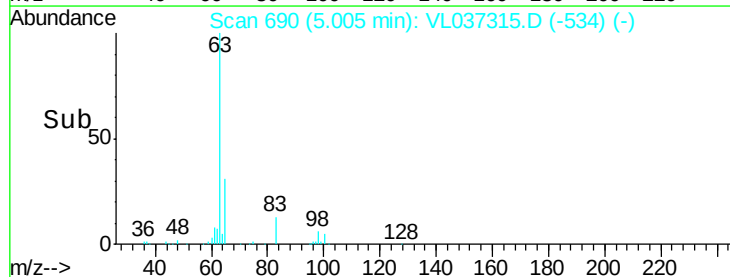
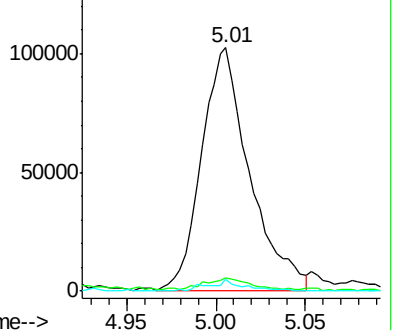
100 4.8 1.5 4.4#

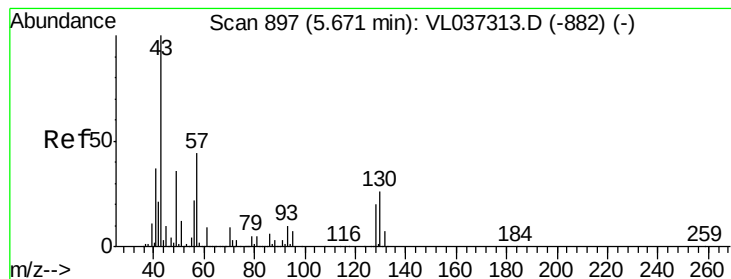


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 1.230 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

MSVOA_L

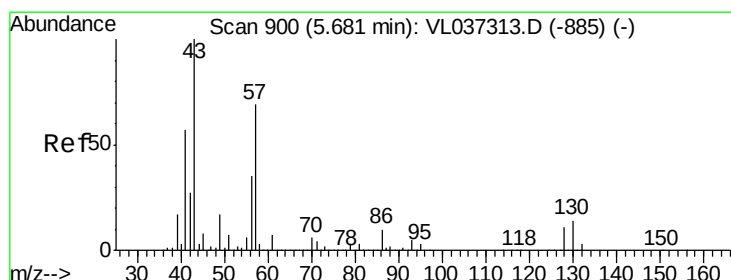
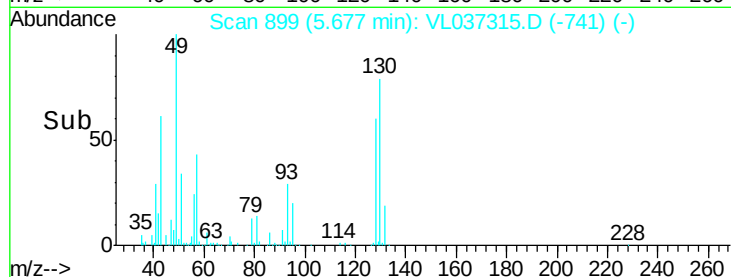
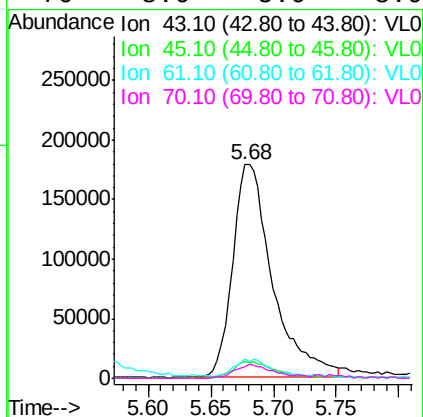
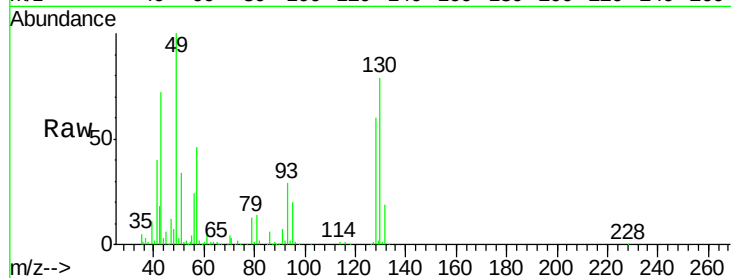
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	9.4		7.8	11.8	
61	10.0		8.6	12.8	
70	8.0		5.9	8.9	

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#26

Hexane

Concen: 1.152 ppbv

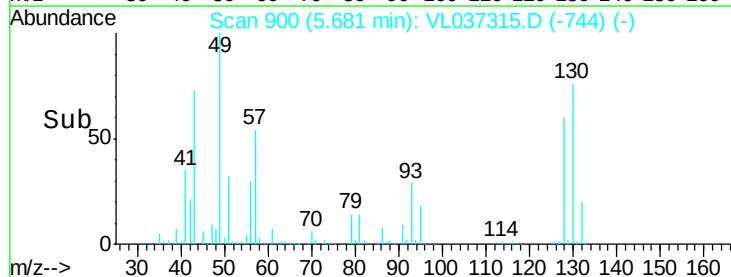
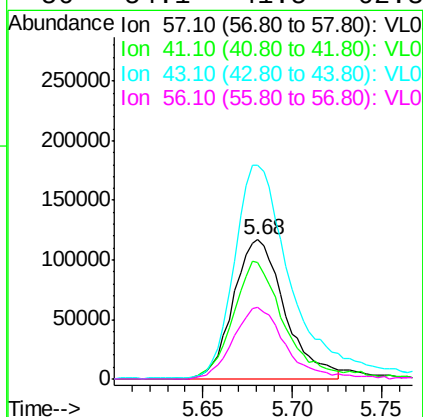
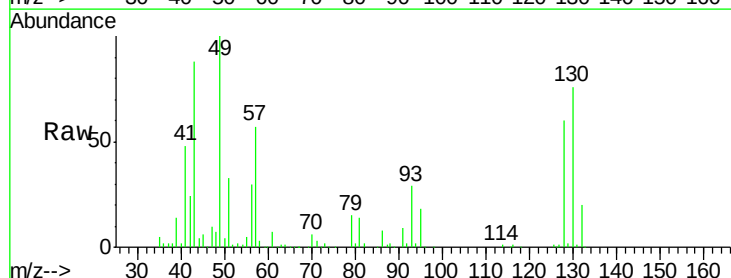
RT: 5.68 min Scan# 900

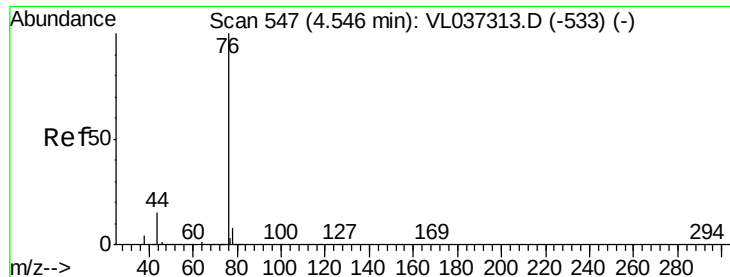
Delta R.T. 0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	88.0		67.5	101.3	
43	176.5		163.0	244.4	
56	54.1		41.5	62.3	





#27

Carbon Disulfide

Concen: 0.999 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

MSVOA_L

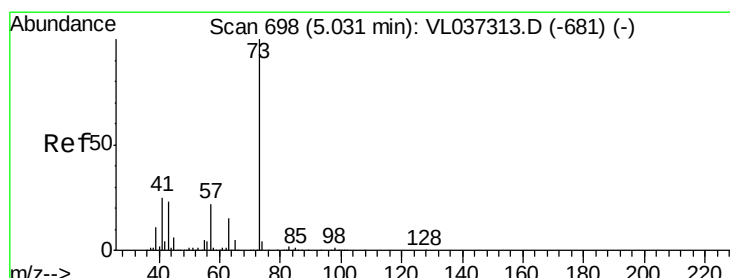
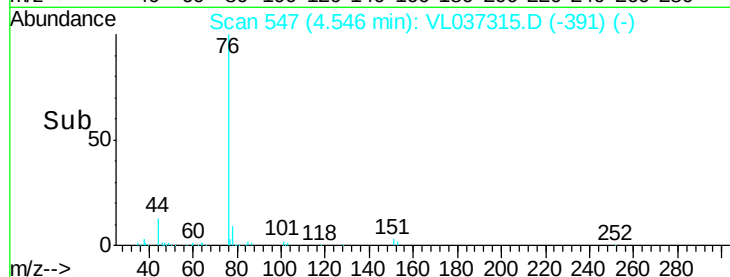
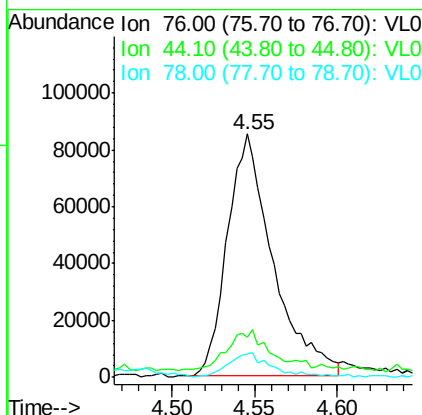
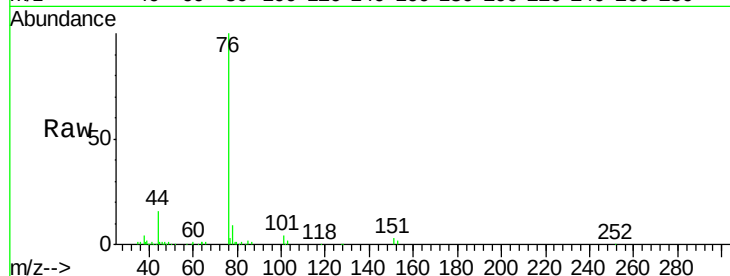
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	162616
Ion	Ratio	Lower	Upper
76	100		
44	19.8	13.1	19.7#
78	10.3	8.0	12.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 1.129 ppbv

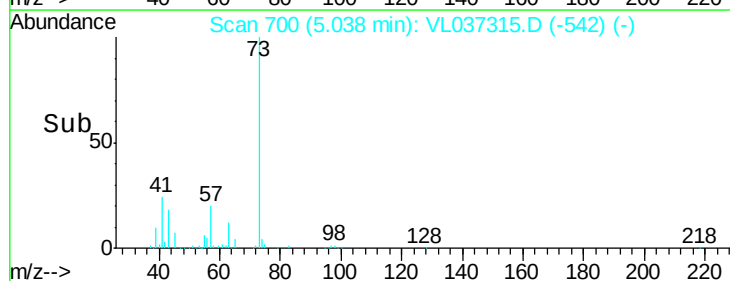
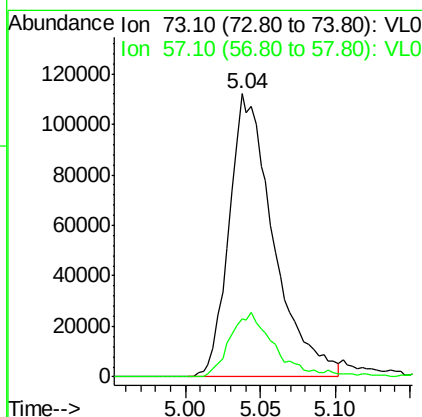
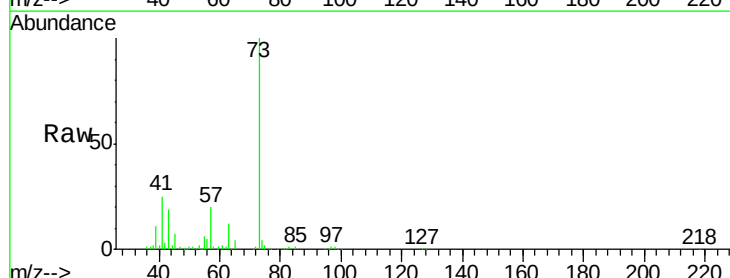
RT: 5.04 min Scan# 700

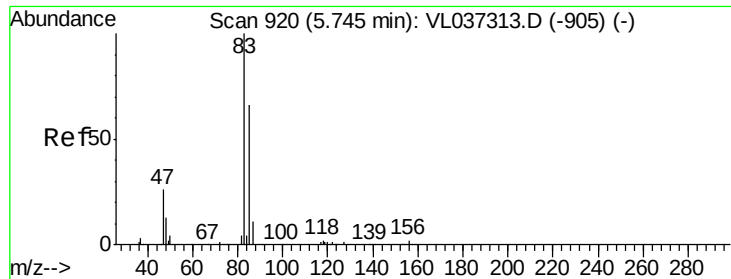
Delta R.T. 0.01 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Tgt Ion:	73	Resp:	230454
Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.2	27.4





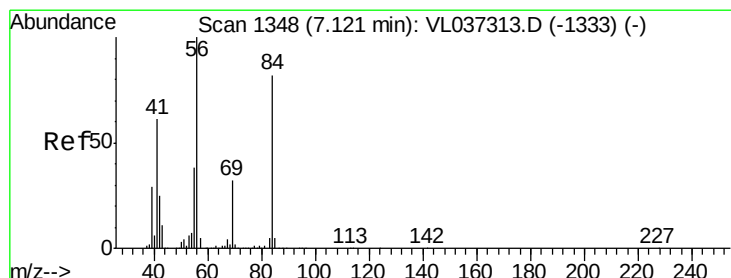
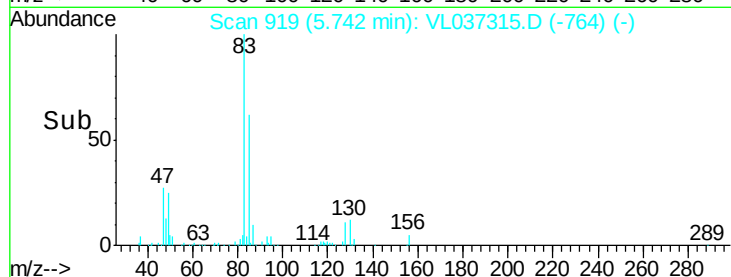
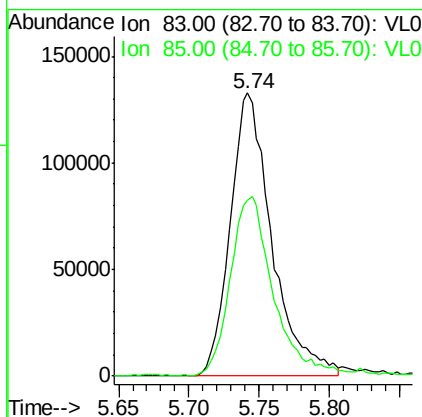
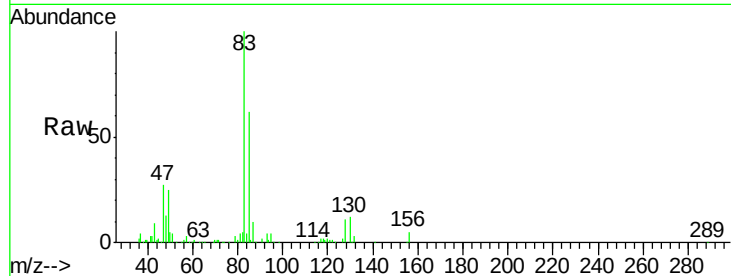
#29
Chloroform
Concen: 1.070 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	274172
Ion Ratio	Lower	Upper	
83	100		
85	61.9	52.6	79.0

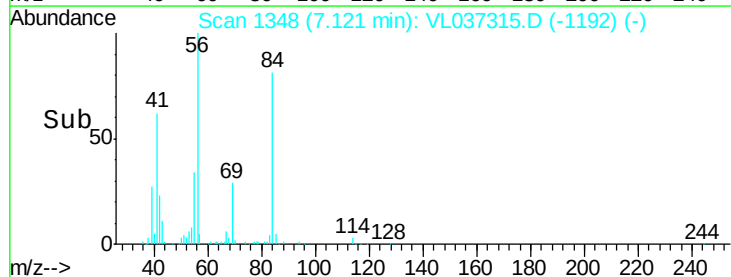
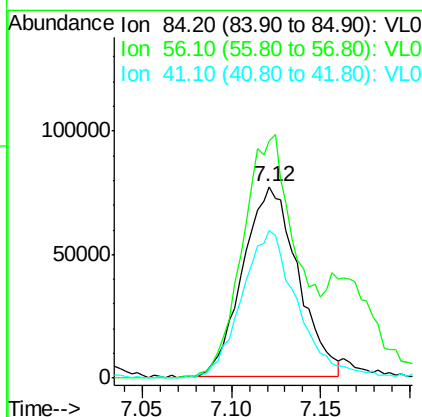
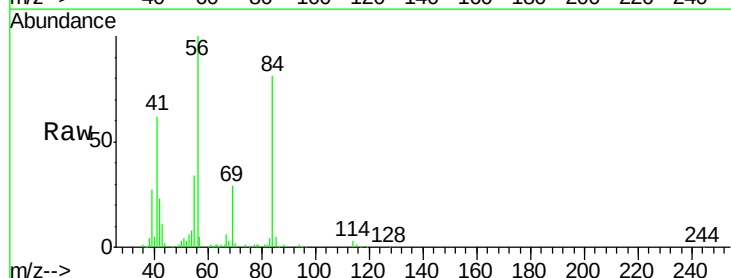
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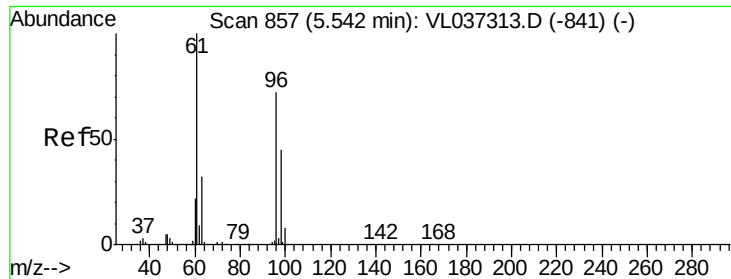
MMDadoda
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#30
Cyclohexane
Concen: 1.191 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Tgt Ion	84	Resp	165920
Ion Ratio	Lower	Upper	
84	100		
56	177.0	105.2	157.8#
41	79.0	61.3	91.9





#31

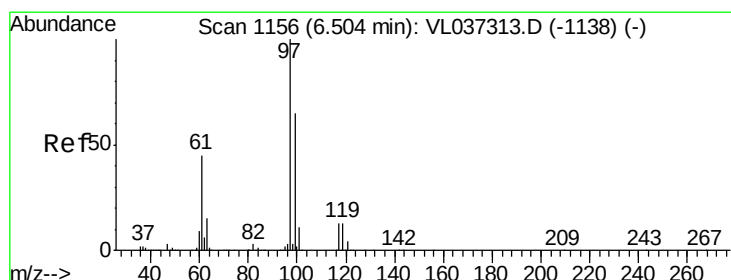
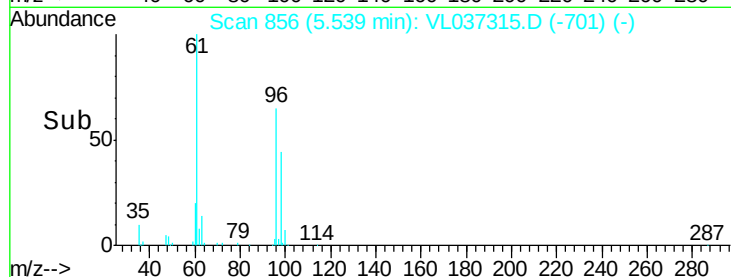
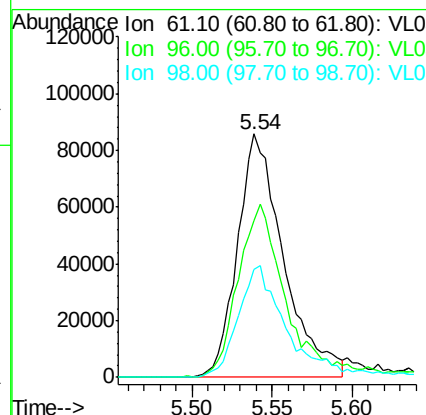
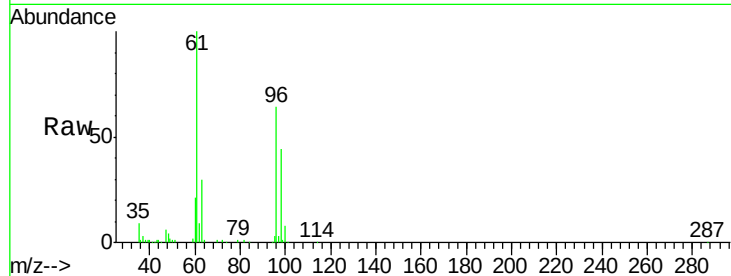
cis-1,2-Dichloroethene
 Concen: 1.198 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VL037315.D
 Acq: 4 Aug 2021 18:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.8	57.4	86.0
98	44.0	36.3	54.5

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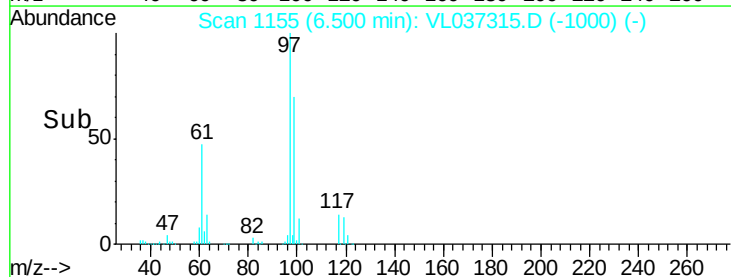
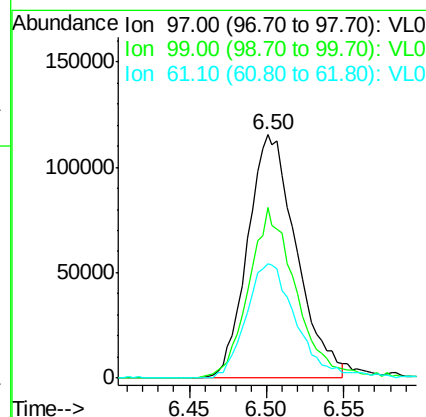
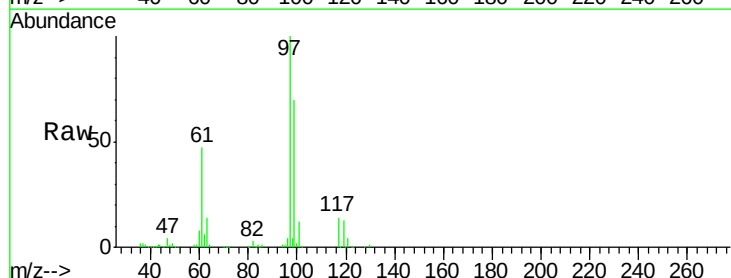
MMDadoda
 8/5/2021 1:39:52 PM

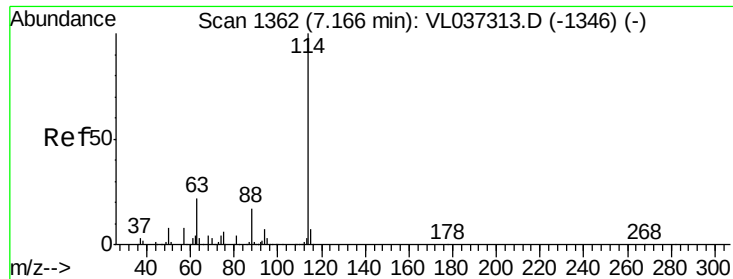


#32

1,1,1-Trichloroethane
 Concen: 1.112 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VL037315.D
 Acq: 4 Aug 2021 18:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.6	52.3	78.5
61	48.8	37.2	55.8





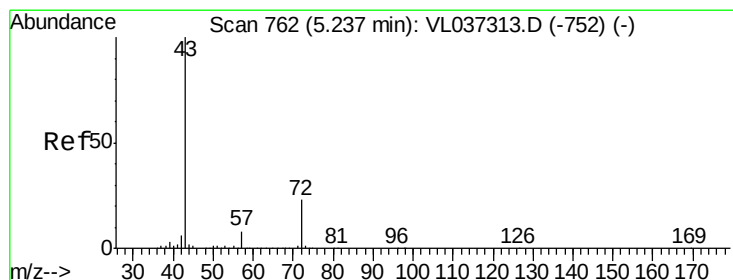
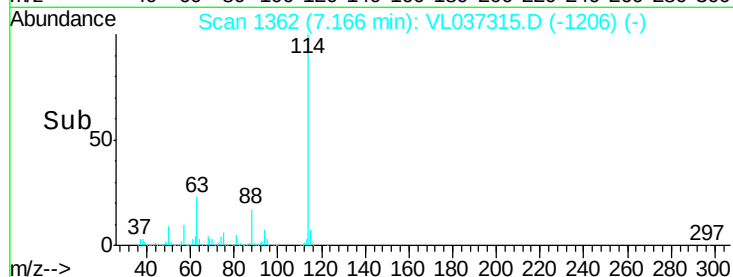
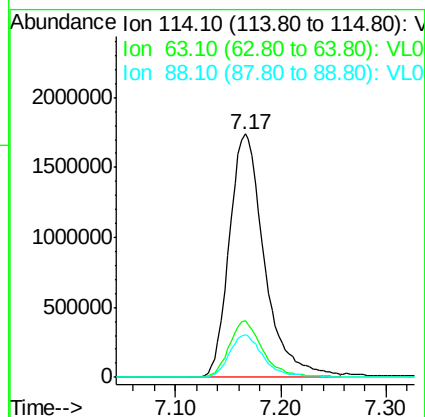
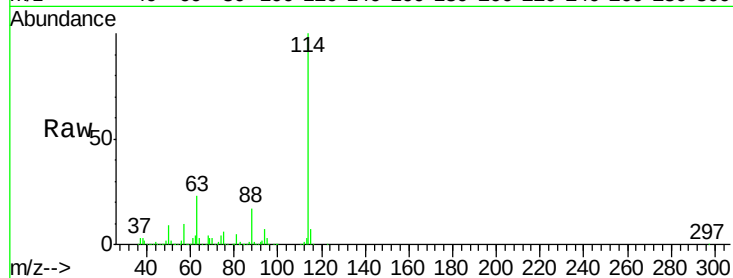
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VL037315.D
 Acq: 4 Aug 2021 18:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	18.1	27.1
88	17.3	13.8	20.8

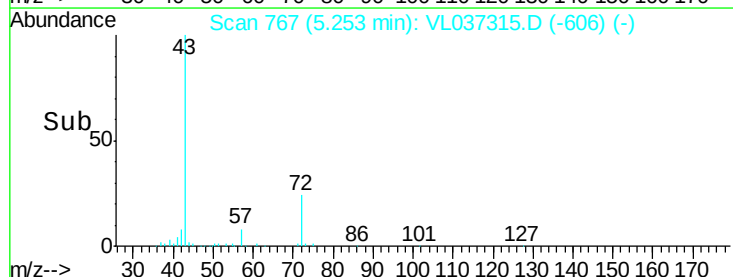
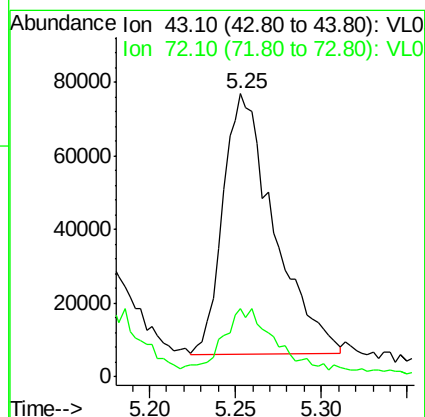
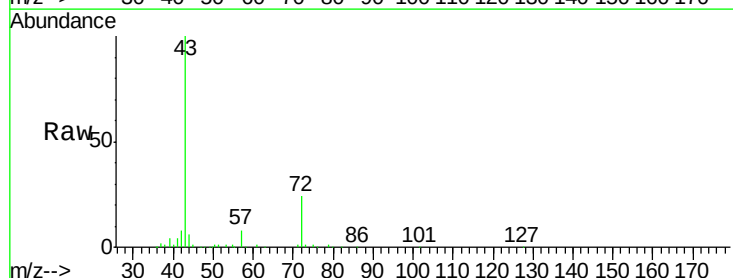
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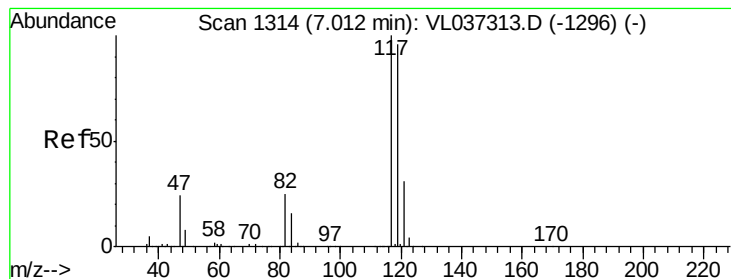
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#34
 2-Butanone
 Concen: 1.035 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.02 min
 Lab File: VL037315.D
 Acq: 4 Aug 2021 18:43

Tgt Ion	Ratio	Lower	Upper
43	100		
72	34.5	20.3	30.5#





#35

Carbon Tetrachloride

Concen: 1.052 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

MSVOA_L

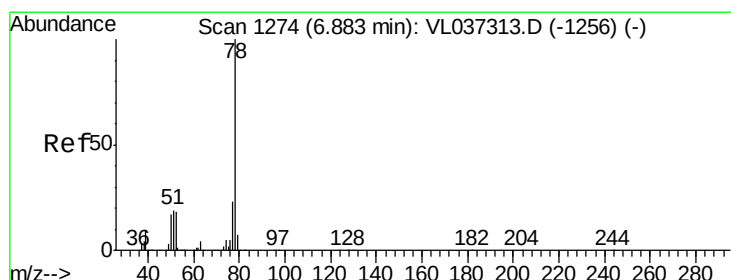
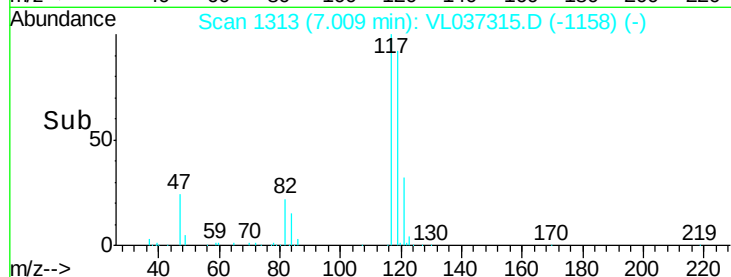
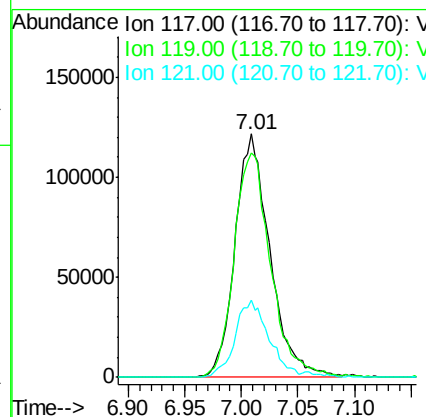
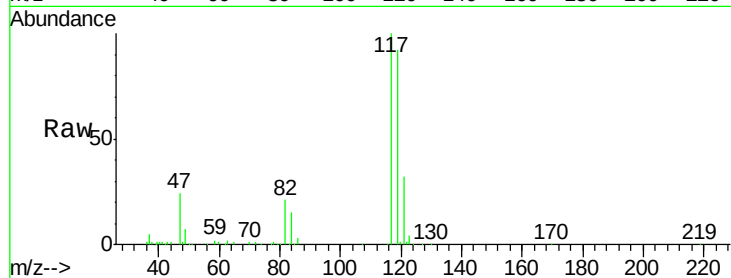
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	261404
Ion Ratio	Lower	Upper	
117	100		
119	92.1	76.6	114.8
121	31.9	24.9	37.3

Manual Integrations
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#36

Benzene

Concen: 1.096 ppbv

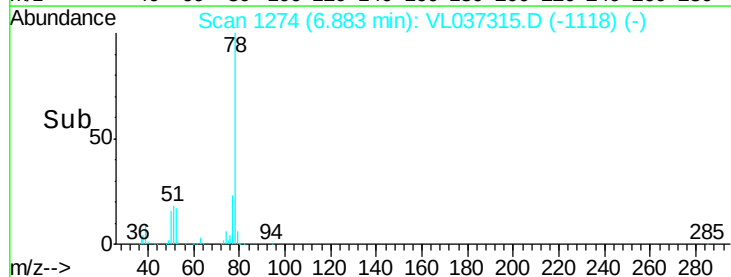
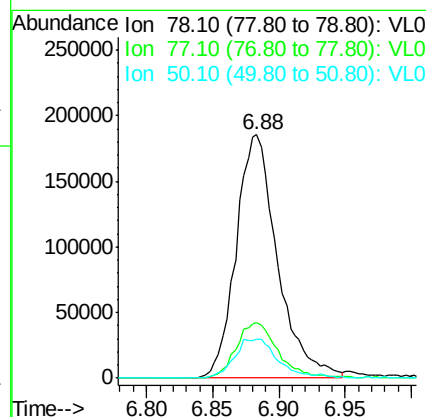
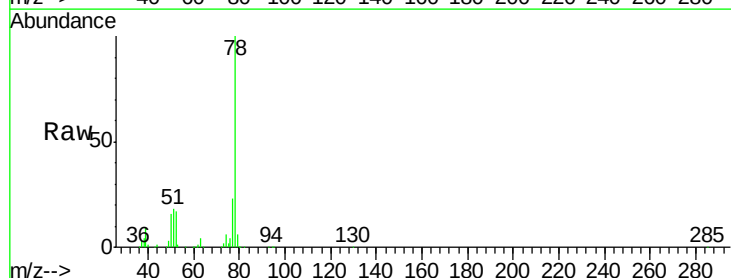
RT: 6.88 min Scan# 1274

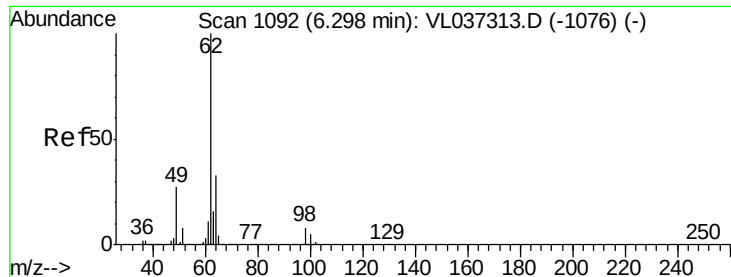
Delta R.T. 0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Tgt Ion:	78	Resp:	400292
Ion Ratio	Lower	Upper	
78	100		
77	22.6	18.7	28.1
50	16.1	13.7	20.5





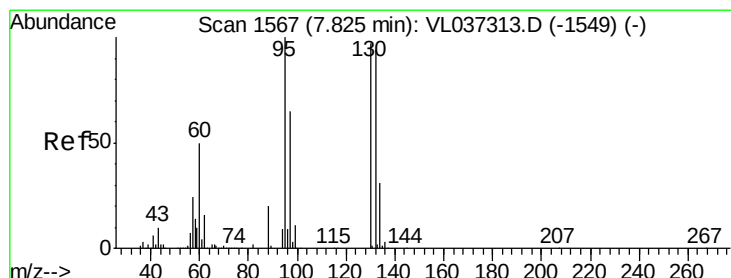
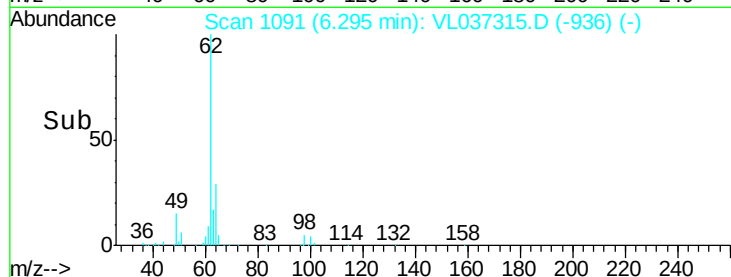
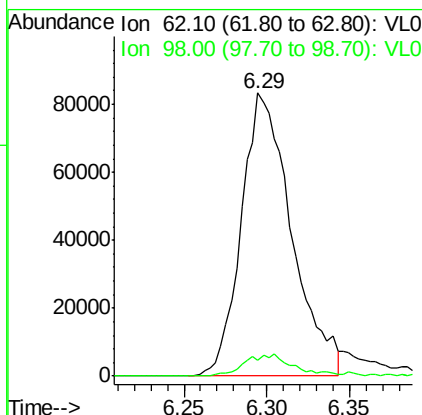
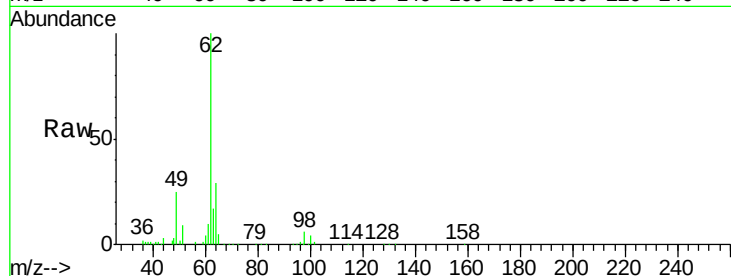
#37
 1,2-Dichloroethane
 Concen: 1.032 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VL037315.D
 Acq: 4 Aug 2021 18:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	175907		
98	8.3		6.3	9.5

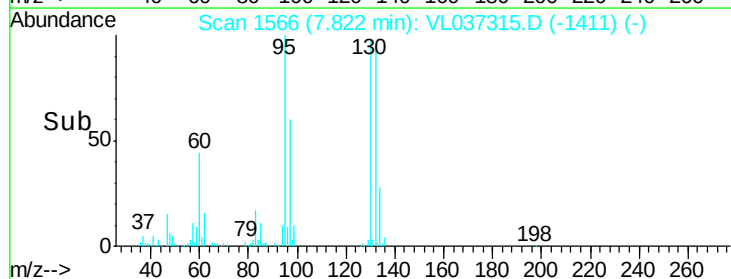
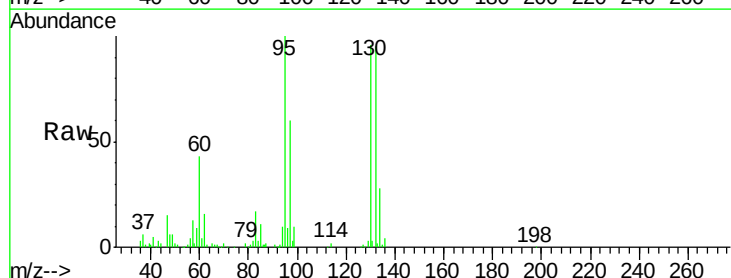
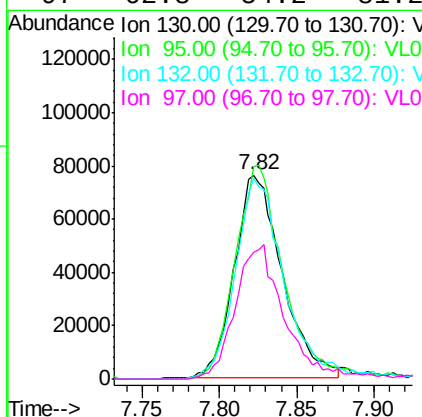
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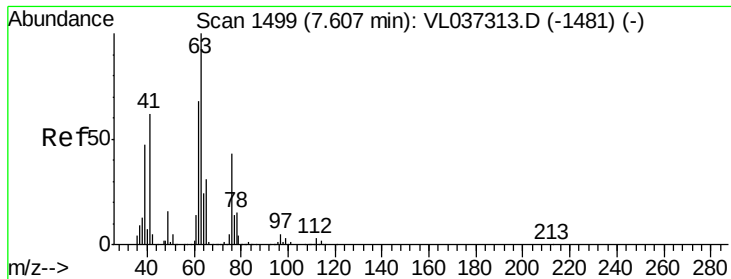
MMDadoda
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#38
 Trichloroethene
 Concen: 1.042 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VL037315.D
 Acq: 4 Aug 2021 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	163696		
95	104.5		82.8	124.2
132	98.5		78.2	117.4
97	62.8		54.2	81.2





#39

1,2-Dichloropropane

Concen: 1.243 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

MSVOA_L

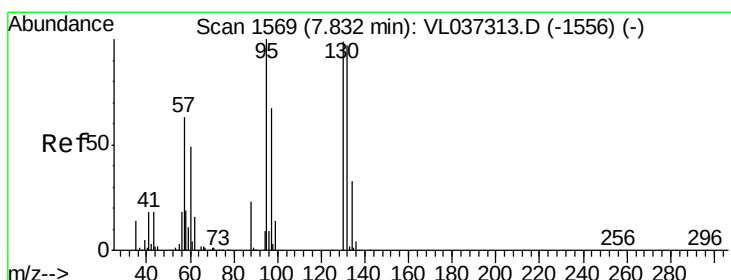
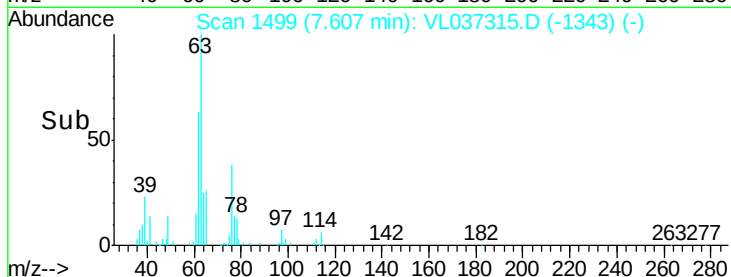
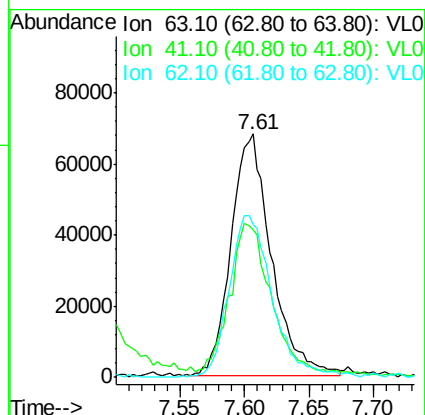
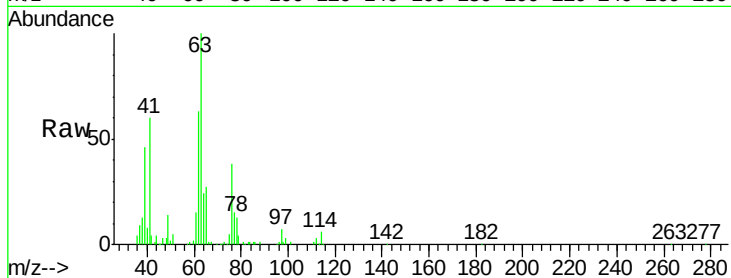
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	146834
Ion Ratio	Lower	Upper	
63	100		
41	58.6	49.2	73.8
62	61.8	54.2	81.4

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#40

1,4-Dioxane

Concen: 2.539 ppbv m

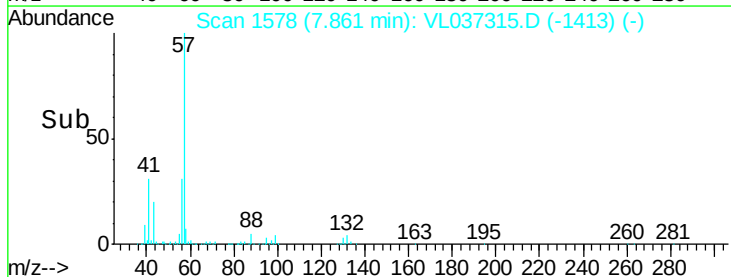
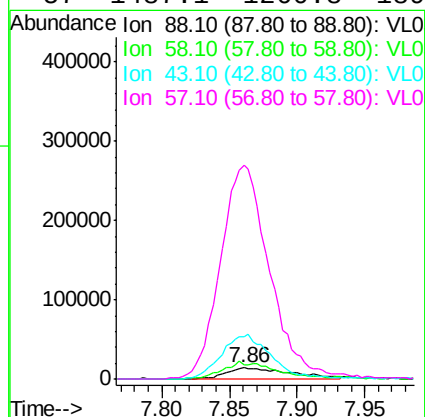
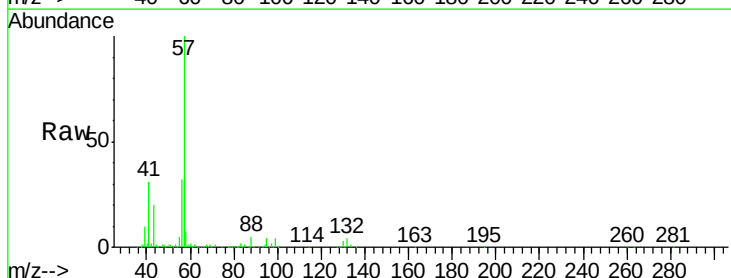
RT: 7.86 min Scan# 1578

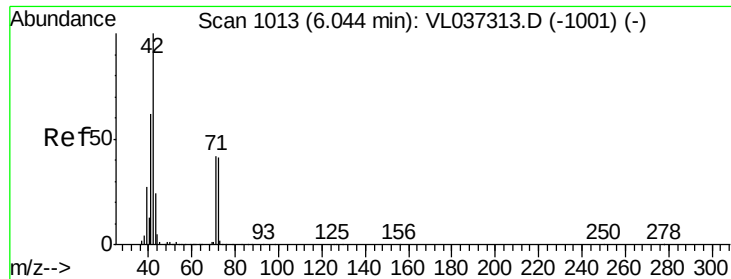
Delta R.T. 0.03 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Tgt Ion:	88	Resp:	45978
Ion Ratio	Lower	Upper	
88	100		
58	138.3	117.5	176.3
43	310.1	271.0	406.4
57	1487.1	1260.8	1891.2





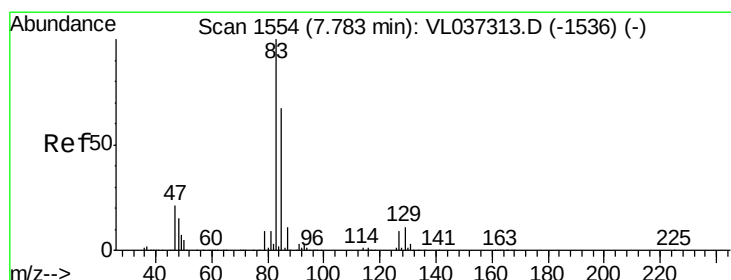
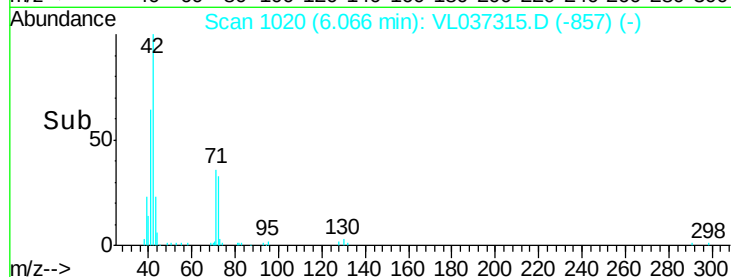
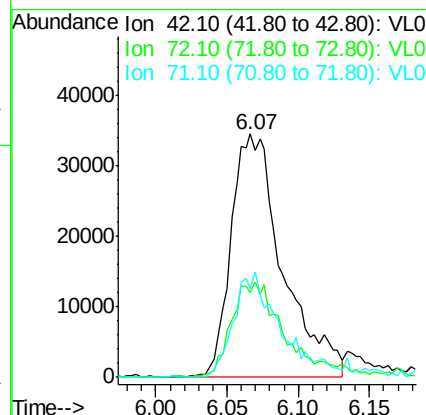
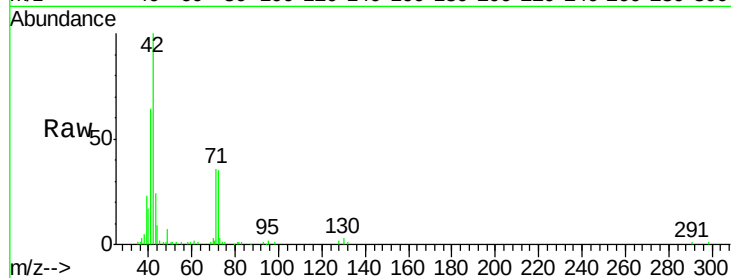
#41
Tetrahydrofuran
Concen: 1.459 ppbv m
RT: 6.07 min Scan# 1020
Delta R.T. 0.02 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

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

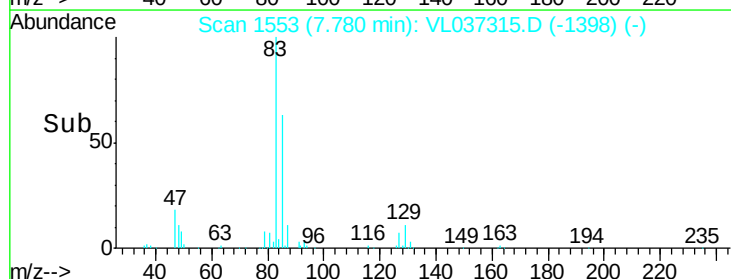
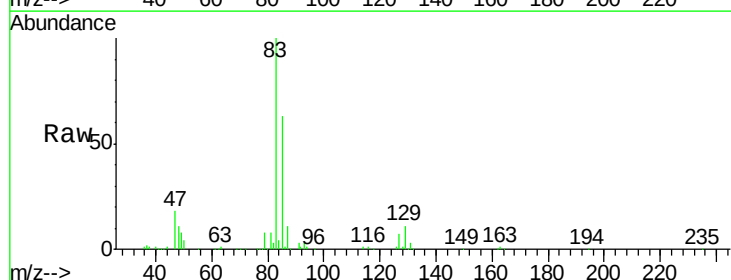
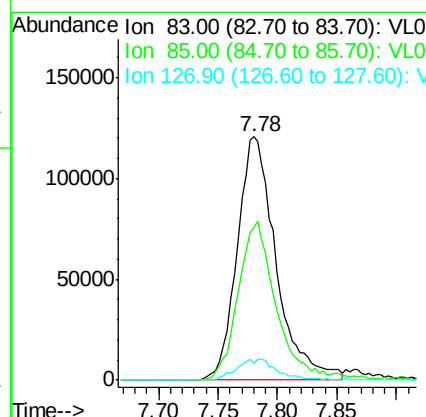
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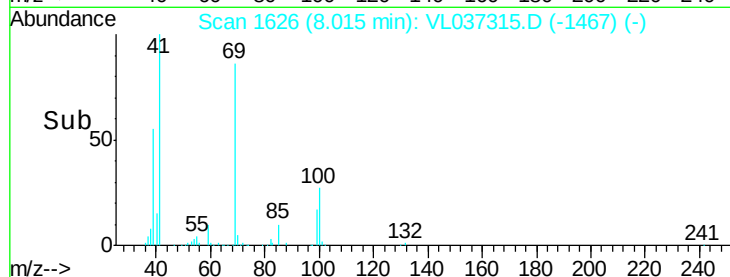
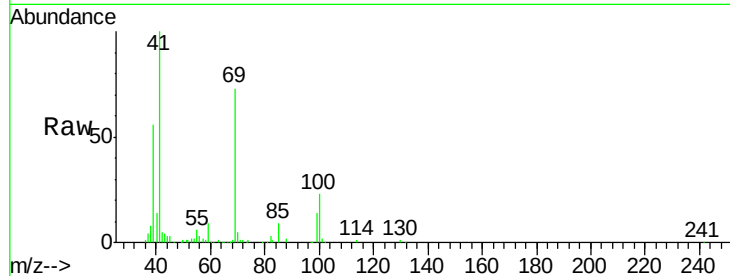
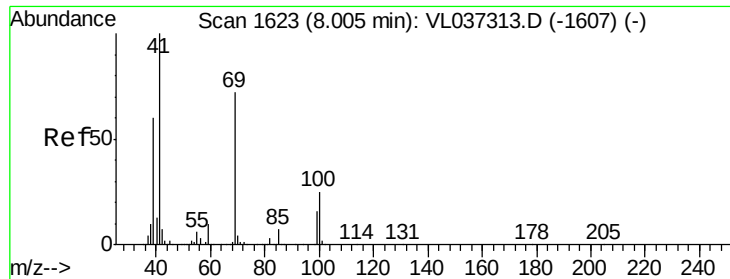
MMDadoda
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#42
Bromodichloromethane
Concen: 1.070 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	53.5	80.3
127	7.0	7.1	10.7#





#43

Methyl Methacrylate

Concen: 1.203 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. 0.01 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Tot Ion:	69	Resp:	135788
Ion	Ratio	Lower	Upper
69	100		
41	138.0	114.6	172.0
100	35.0	29.4	44.2

Instrument :

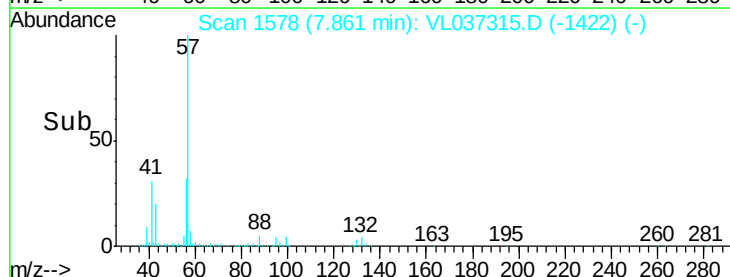
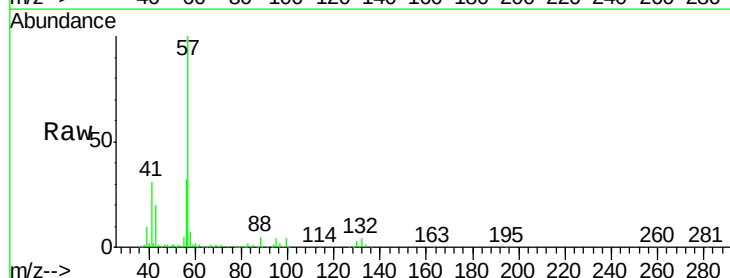
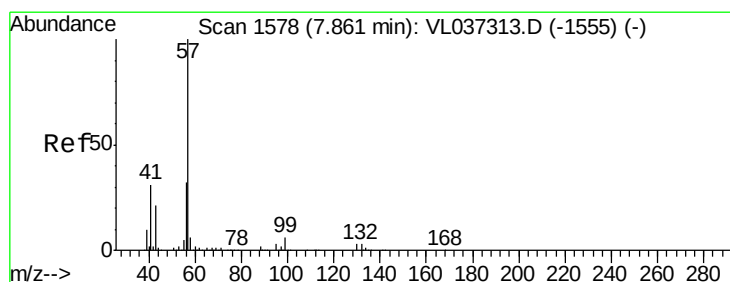
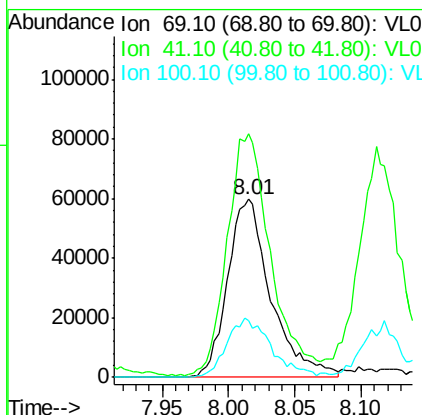
MSVOA_L

ClientSampleId :

VSTDIC001

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 1.124 ppbv

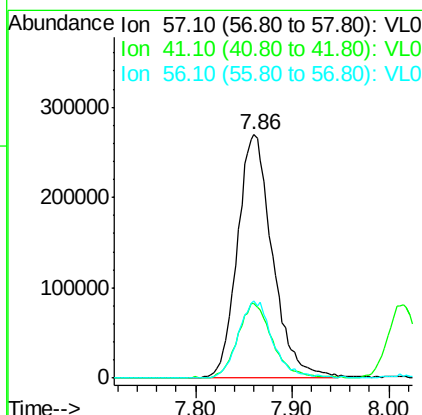
RT: 7.86 min Scan# 1578

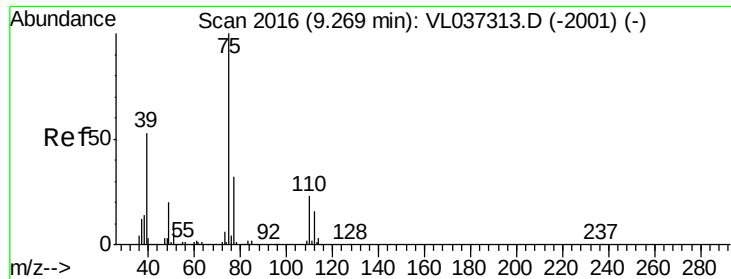
Delta R.T. -0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Tgt Ion:	57	Resp:	679313
Ion	Ratio	Lower	Upper
57	100		
41	30.9	24.3	36.5
56	31.5	25.0	37.6





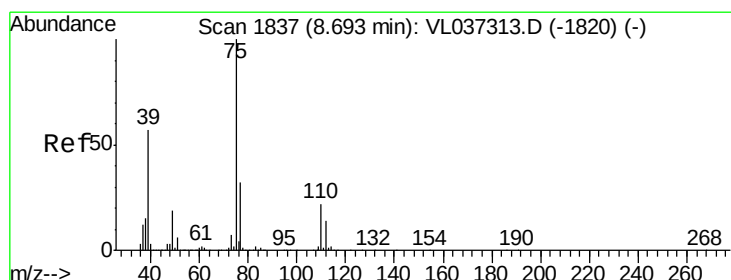
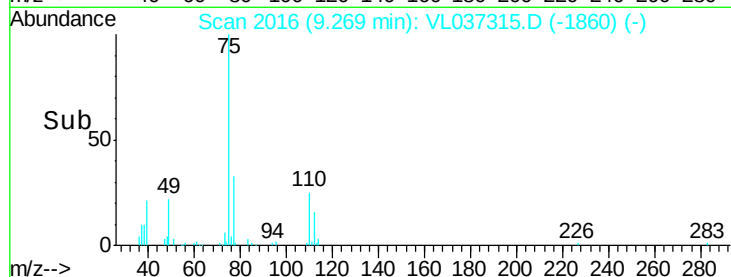
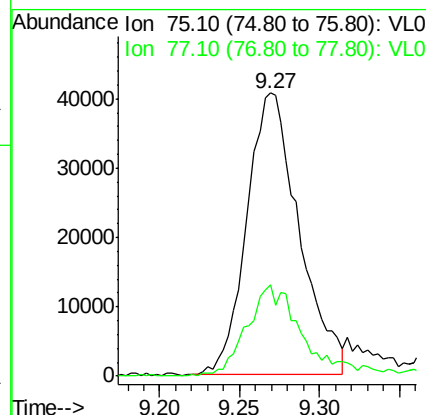
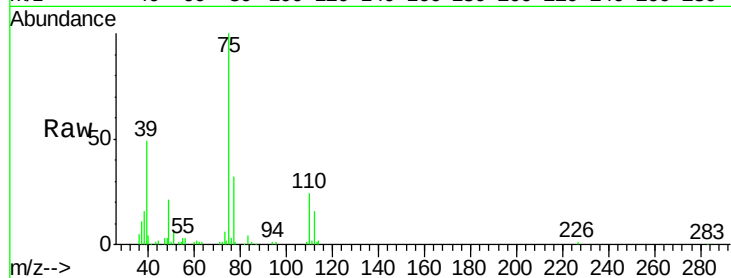
#45
t-1,3-Dichloropropene
Concen: 0.994 ppbv
RT: 9.27 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.7	38.5

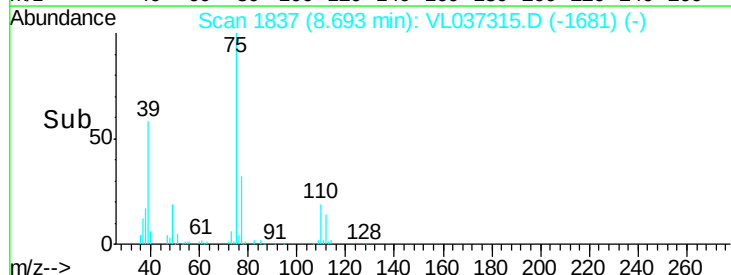
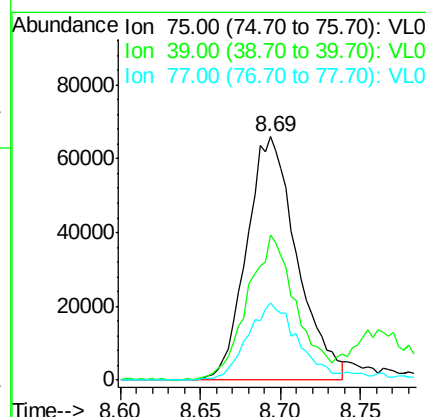
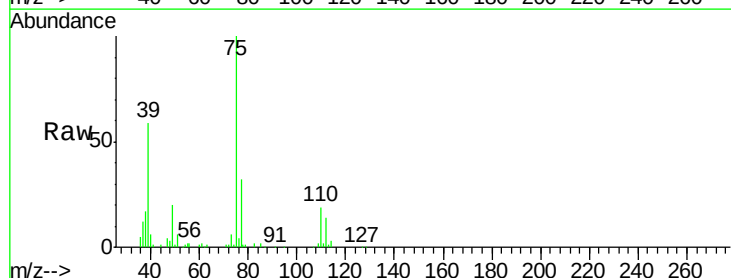
Manual Integrations
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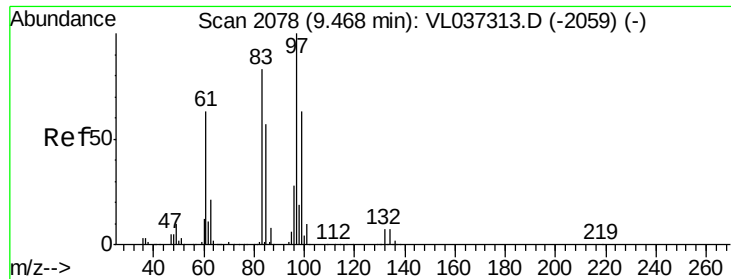
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 1.008 ppbv
RT: 8.69 min Scan# 1837
Delta R.T. 0.00 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Tgt Ion	Ratio	Lower	Upper
75	100		
39	59.4	45.6	68.4
77	31.9	25.4	38.0





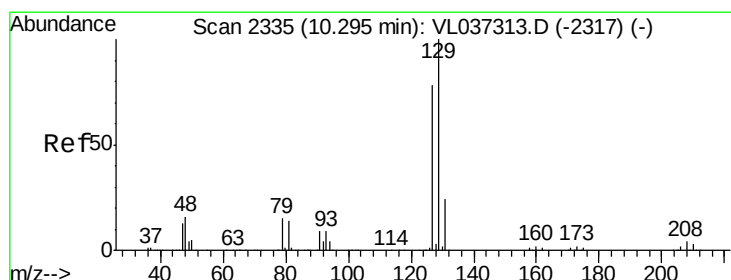
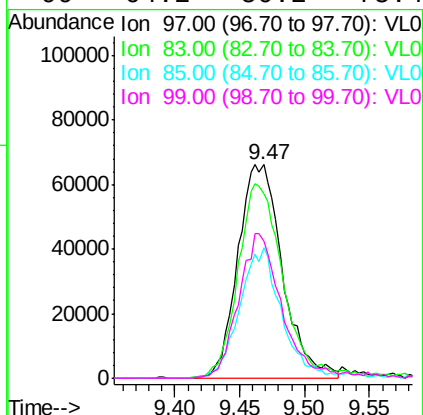
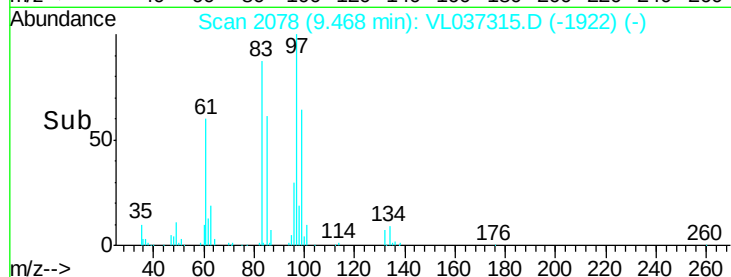
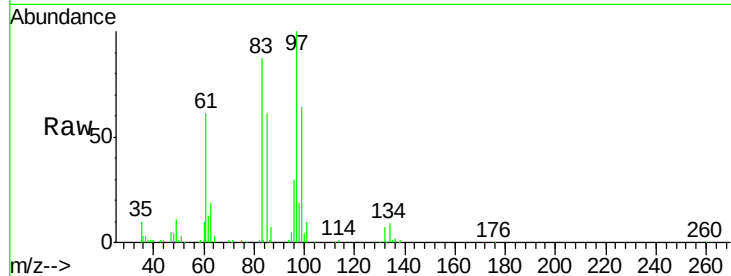
#47
 1,1,2-Trichloroethane
 Concen: 1.228 ppbv m
 RT: 9.47 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VL037315.D
 Acq: 4 Aug 2021 18:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		157516		
83	86.5	66.0	99.0		
85	61.4	45.7	68.5		
99	64.2	50.2	75.4		

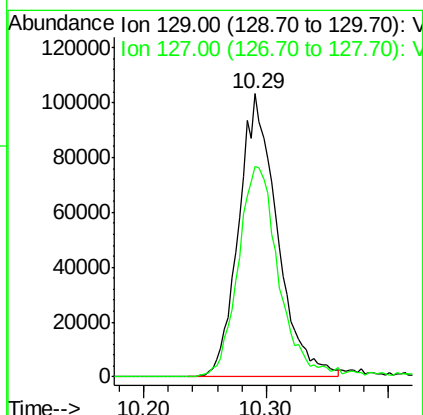
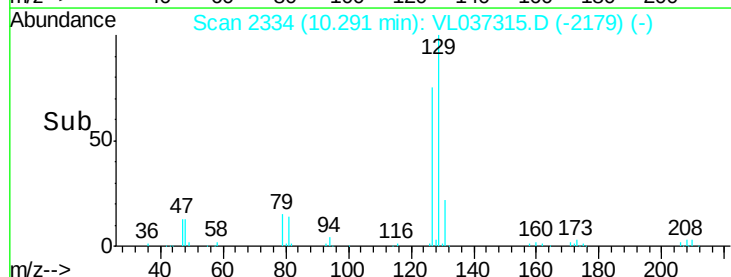
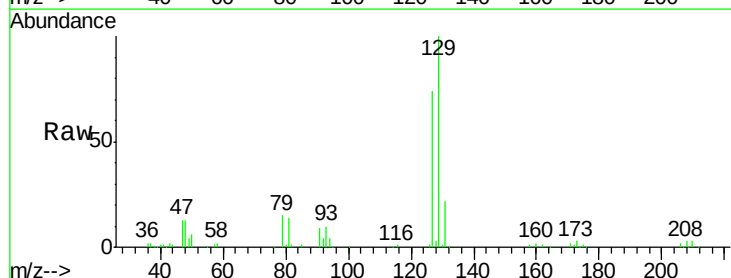
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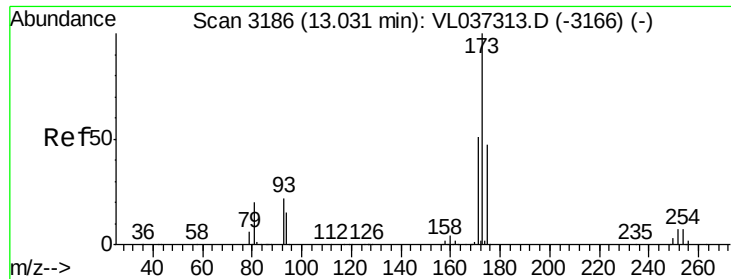
MMDadoda
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#48
 Dibromochloromethane
 Concen: 1.034 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.00 min
 Lab File: VL037315.D
 Acq: 4 Aug 2021 18:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		225532		
127	79.1	40.9	122.7		





#49

Bromoform

Concen: 0.998 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. -0.01 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

MSVOA_L

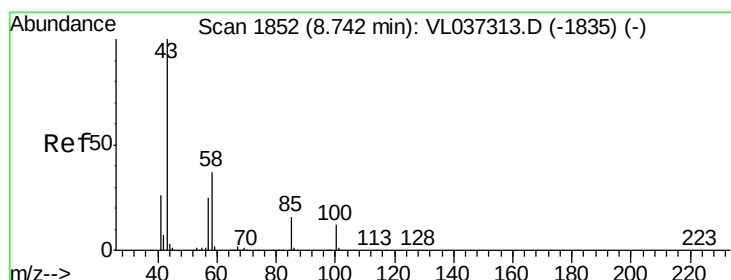
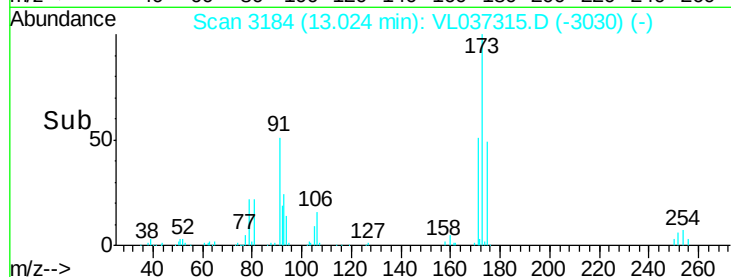
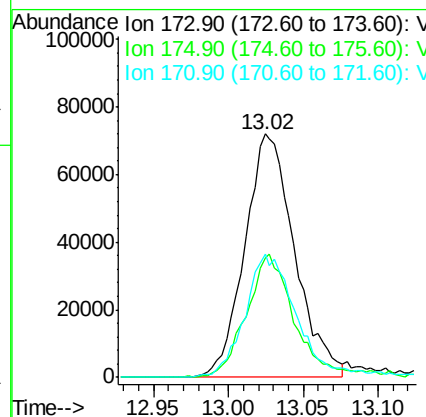
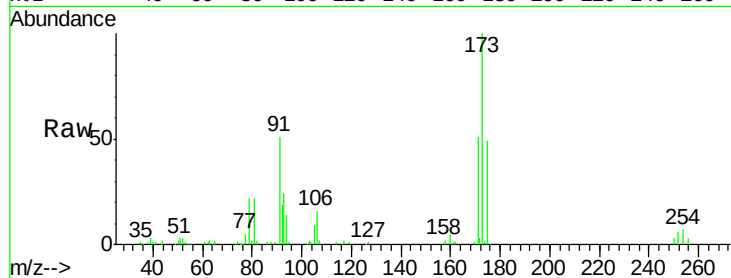
ClientSampleId :

VSTDIC001

Tot Ion:	173	Resp:	167315
Ion Ratio	Lower	Upper	
173	100		
175	50.0	42.3	63.5
171	53.7	44.9	67.3

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#50

4-Methyl-2-Pentanone

Concen: 1.151 ppbv

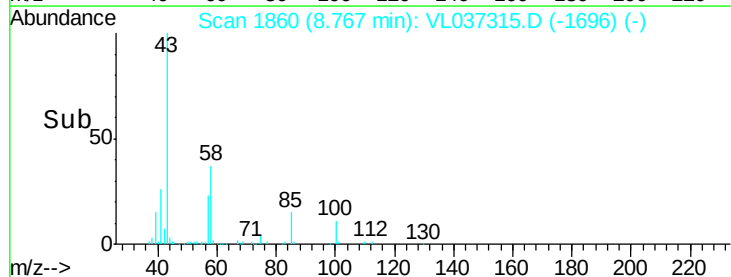
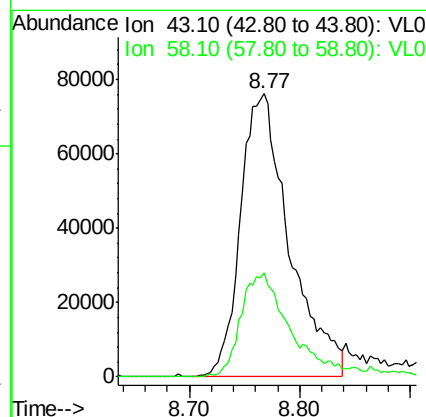
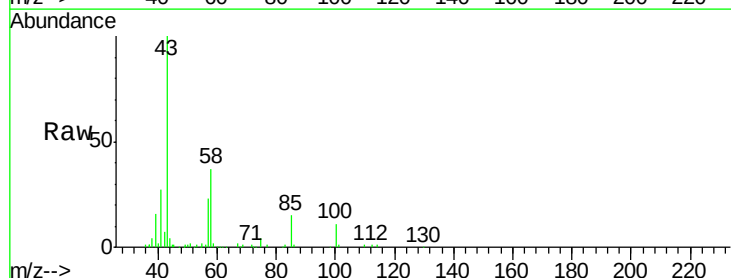
RT: 8.77 min Scan# 1860

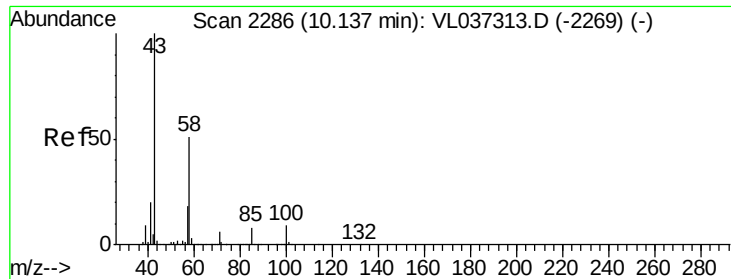
Delta R.T. 0.03 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Tgt Ion:	43	Resp:	234663
Ion Ratio	Lower	Upper	
43	100		
58	39.0	31.0	46.4





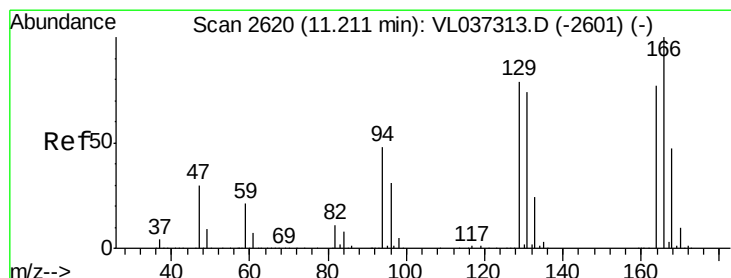
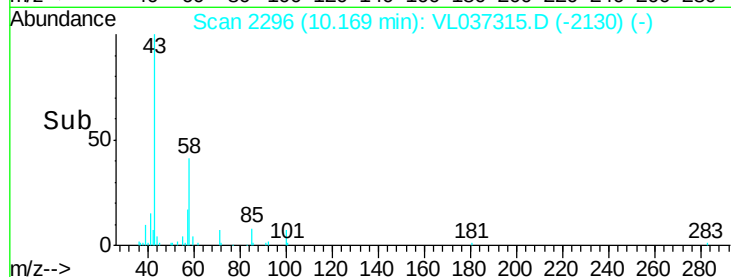
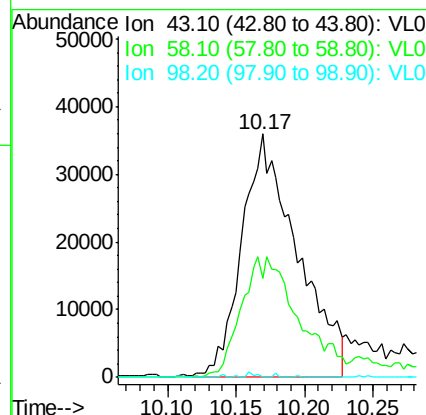
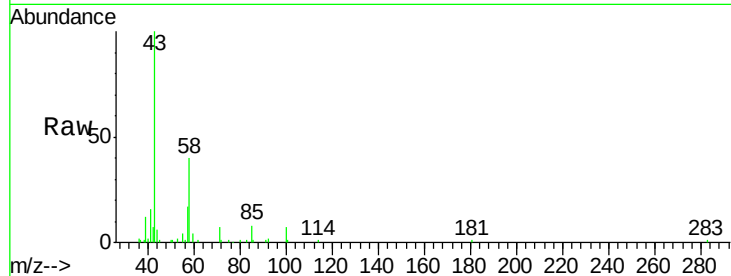
#51
2-Hexanone
Concen: 1.482 ppbv m
RT: 10.17 min Scan# 2296
Delta R.T. 0.03 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion:	43	Resp:	100910
Ion Ratio	Lower	Upper	
43	100		
58	0.0	40.9	61.3#
98	0.5	0.1	0.1#

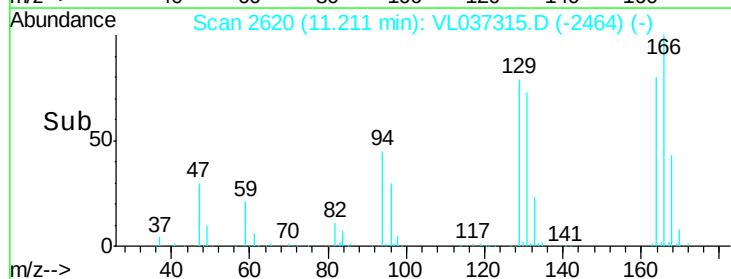
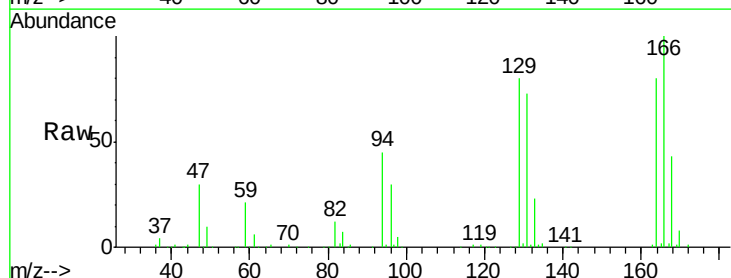
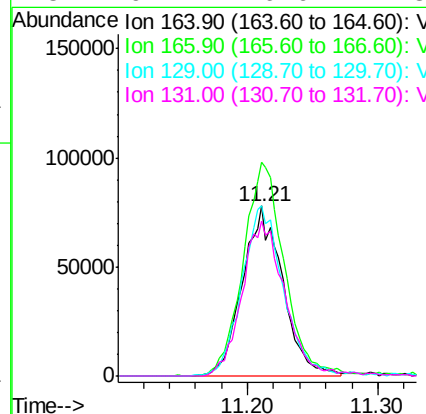
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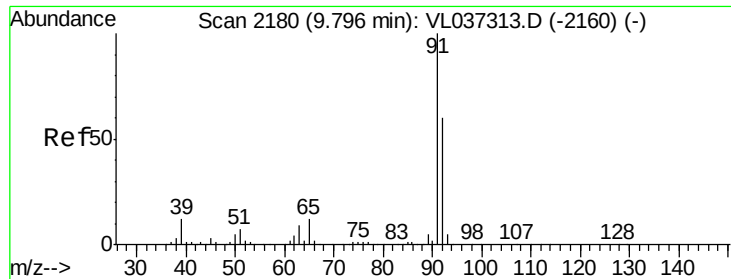
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#52
Tetrachloroethene
Concen: 1.264 ppbv m
RT: 11.21 min Scan# 2620
Delta R.T. -0.00 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Tgt Ion:	164	Resp:	166601
Ion Ratio	Lower	Upper	
164	100		
166	125.6	103.4	155.2
129	100.1	82.2	123.2
131	91.4	76.6	114.8





#53

Toluene

Concen: 1.114 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 481258

Ion Ratio Lower Upper

91 100

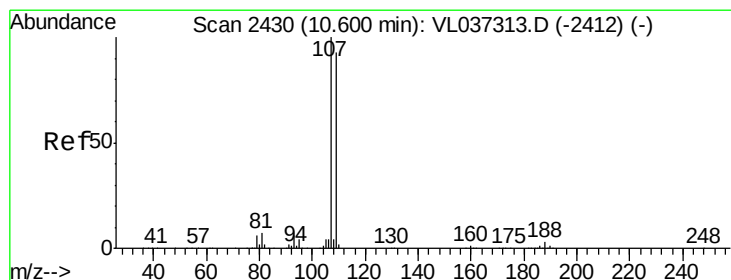
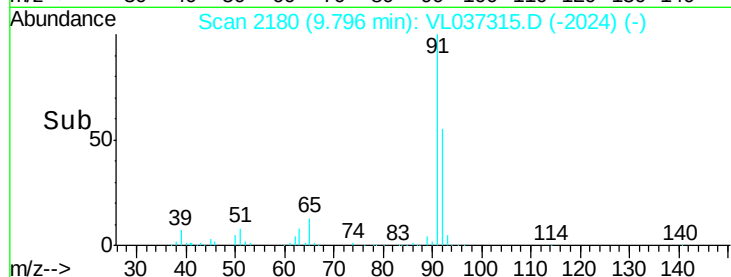
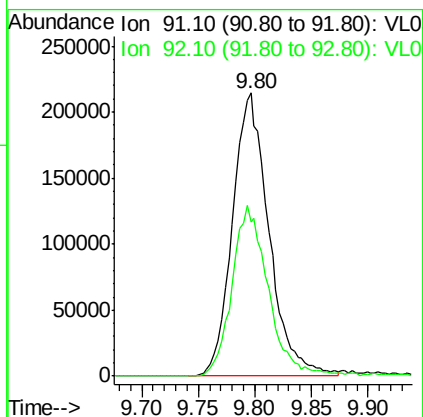
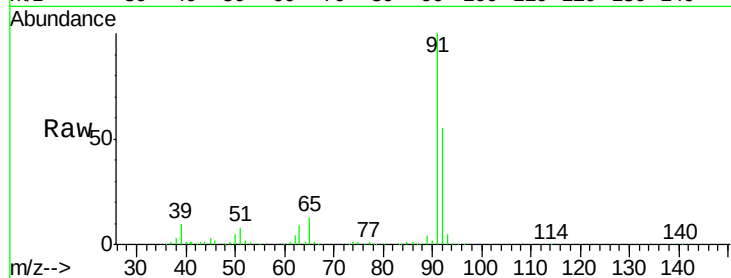
92 59.9 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 1.171 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VL037315.D

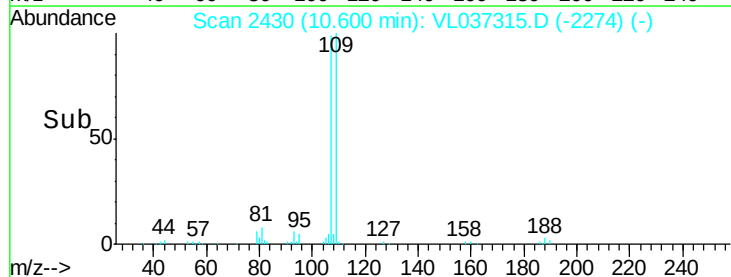
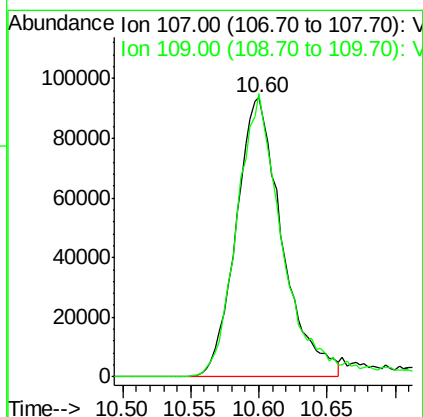
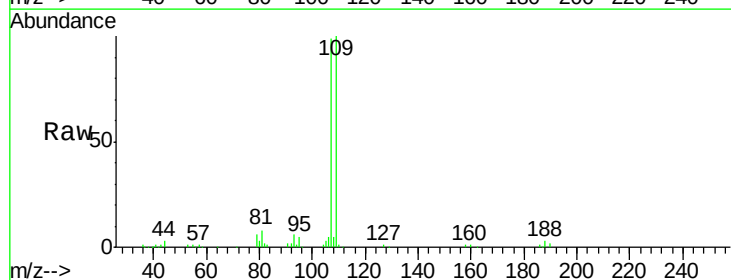
Acq: 4 Aug 2021 18:43

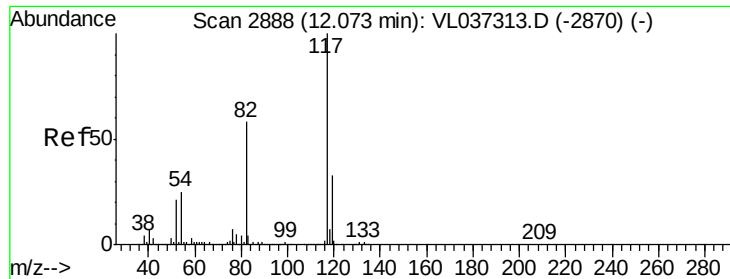
Tgt Ion: 107 Resp: 218811

Ion Ratio Lower Upper

107 100

109 101.1 74.8 112.2





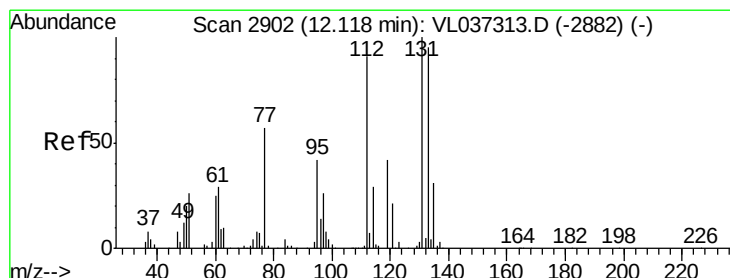
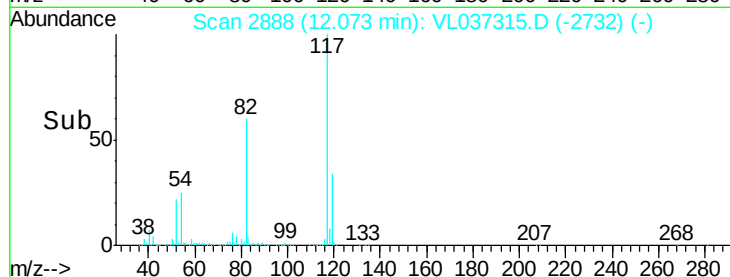
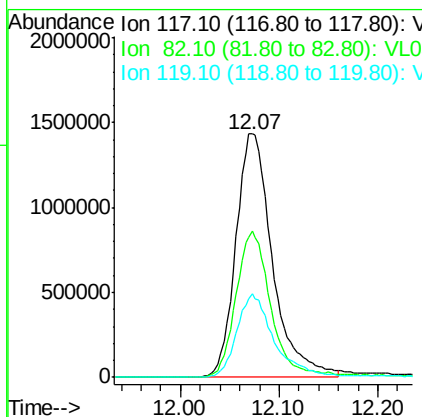
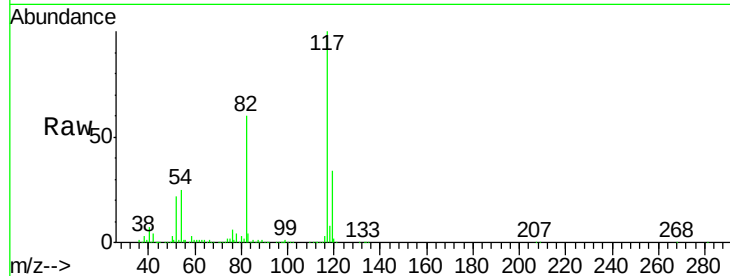
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	50.3	75.5
119	36.1	48.2	72.2#

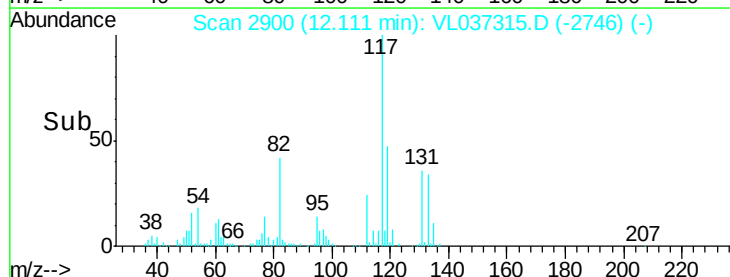
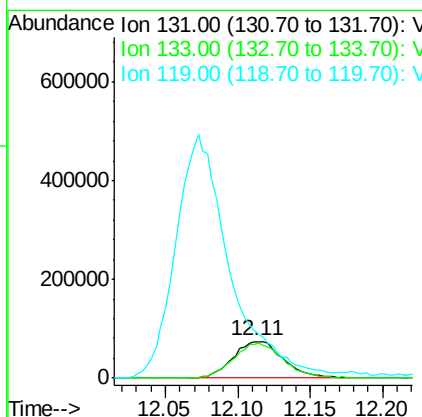
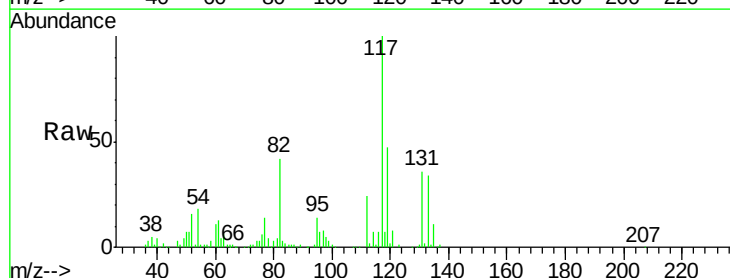
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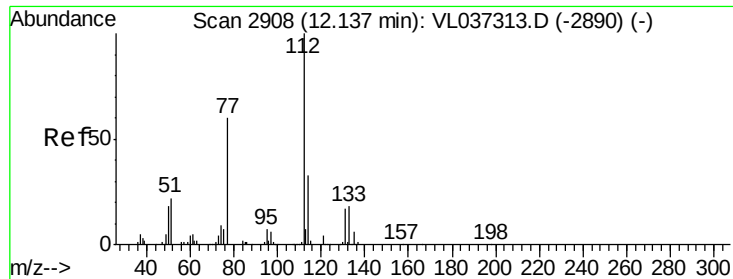
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.089 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.0	83.0	124.4
119	755.8	130.4	195.6#





#57

Chlorobenzene

Concen: 1.119 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. -0.01 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

MSVOA_L

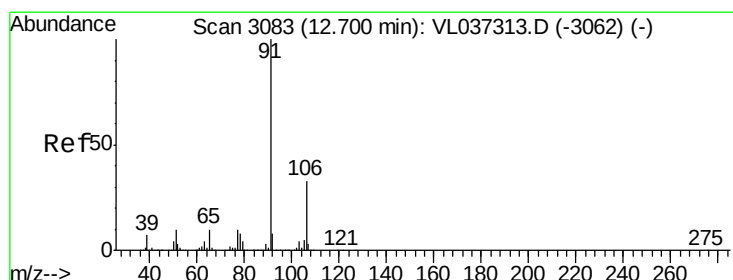
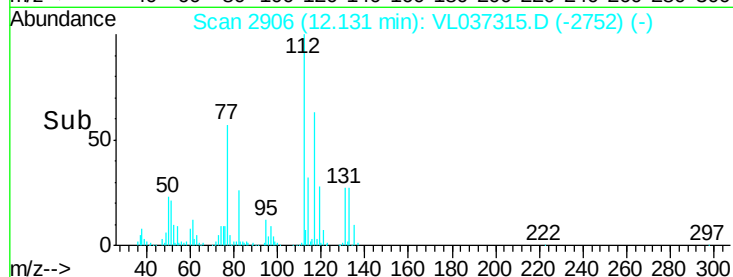
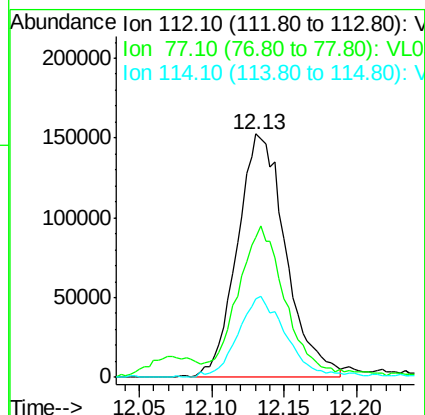
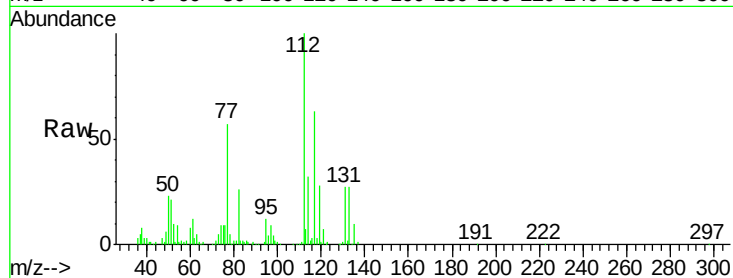
ClientSampleId :

VSTDIC001

Tot Ion:	112	Resp:	351773
Ion Ratio	Lower	Upper	
112	100		
77	54.6	47.8	71.6
114	32.1	29.8	36.4

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#58

Ethyl Benzene

Concen: 1.114 ppbv

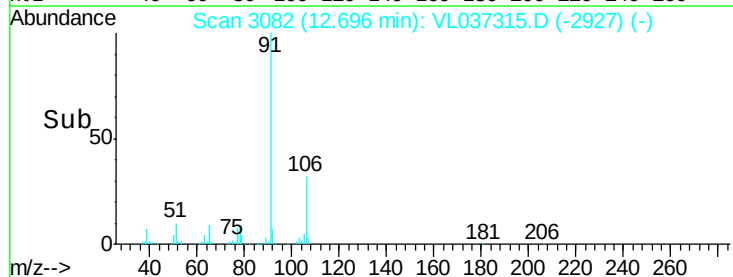
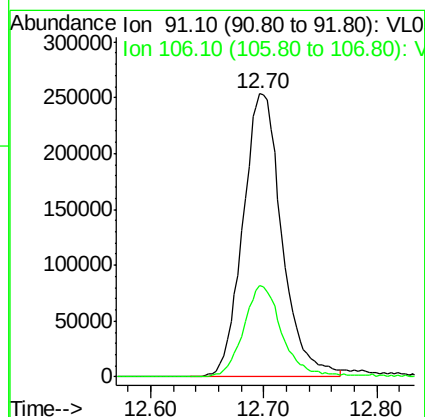
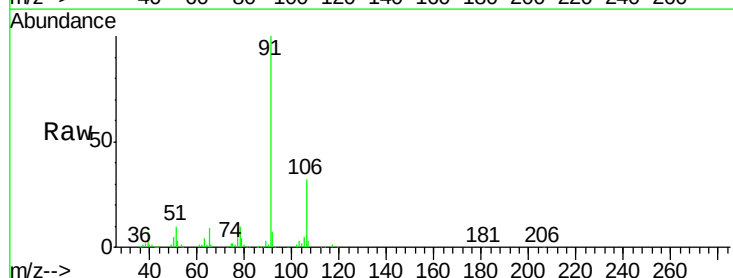
RT: 12.70 min Scan# 3082

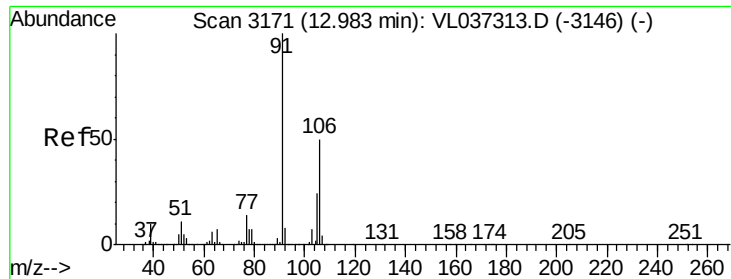
Delta R.T. -0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Tgt Ion:	91	Resp:	608178
Ion Ratio	Lower	Upper	
91	100		
106	32.3	26.2	39.2





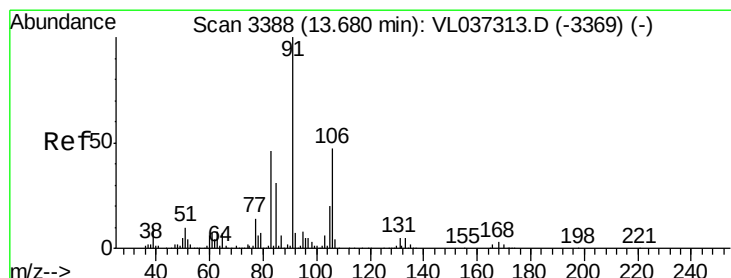
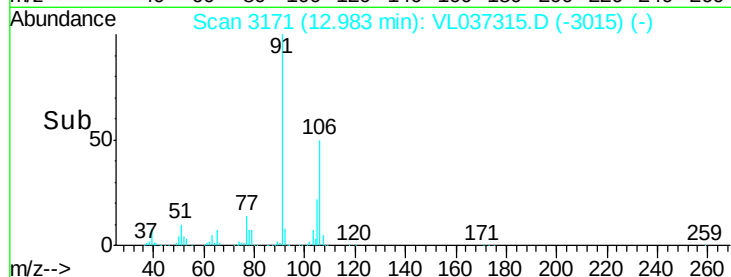
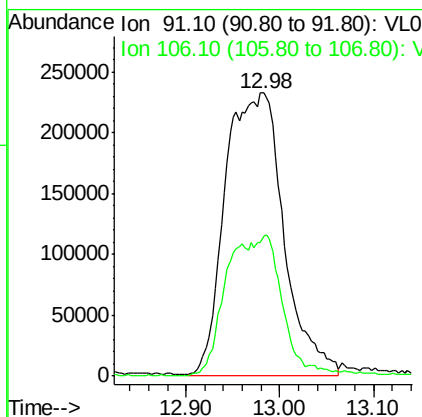
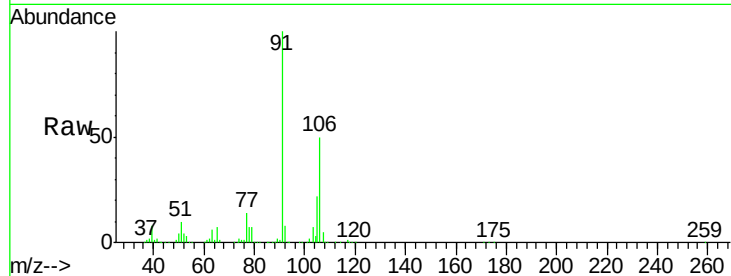
#59
m/p-Xylene
Concen: 3.377 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Instrument :
MSVOA_L
ClientSampled :
VSTDIC001

Tot Ion: 91 Resp: 1011040
Ion Ratio Lower Upper
91 100
106 47.7 37.8 56.8

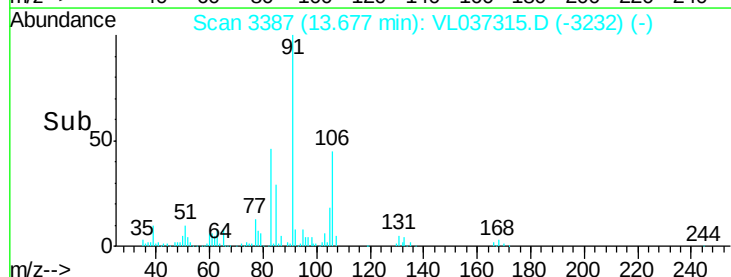
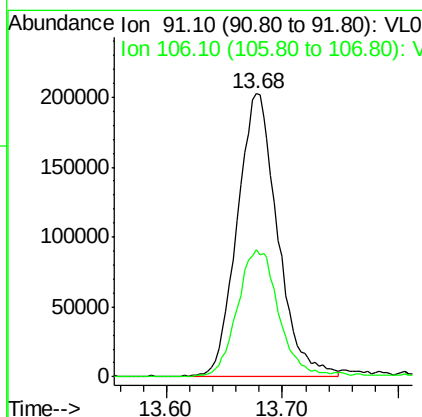
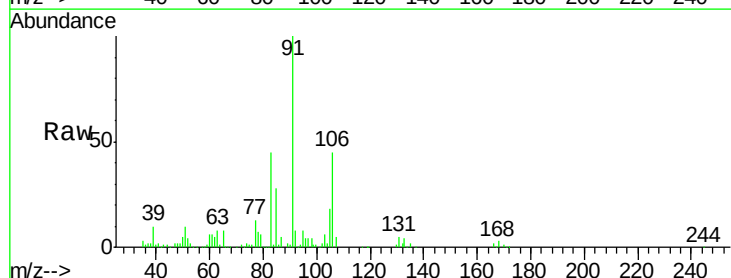
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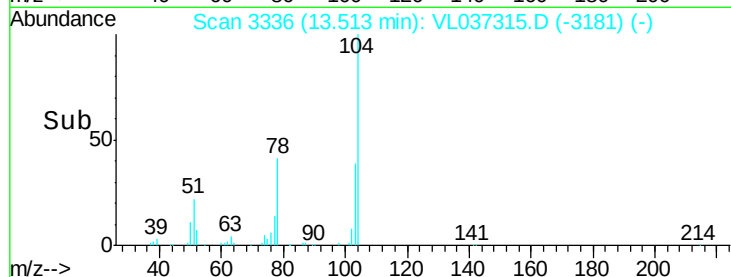
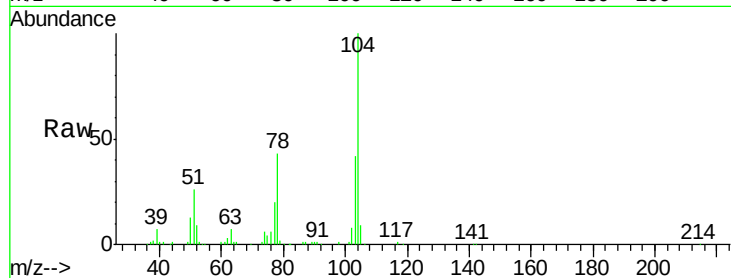
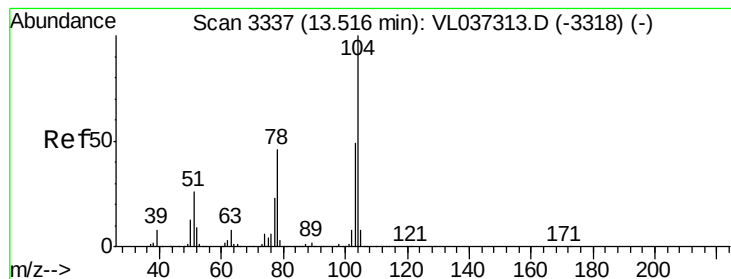
MMDadoda
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#60
o-Xylene
Concen: 1.153 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.00 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Tgt Ion: 91 Resp: 486539
Ion Ratio Lower Upper
91 100
106 47.6 26.3 78.8





#61

Stvrene

Concen: 1.105 ppbv

RT: 13.51 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Tot Ion:	104	Resp:	255514
Ion Ratio	Lower	Upper	
104	100		
78	46.8	39.3	58.9
103	48.6	40.6	60.8

Instrument :

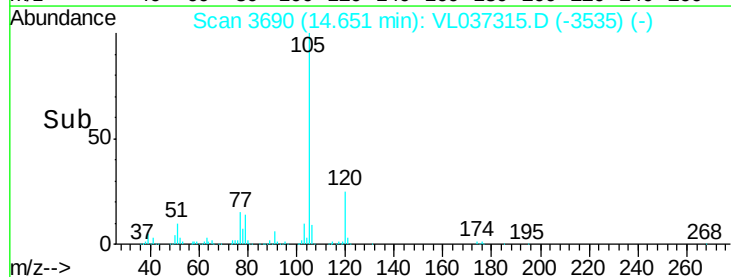
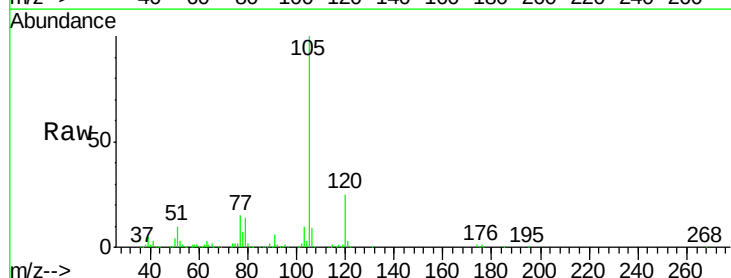
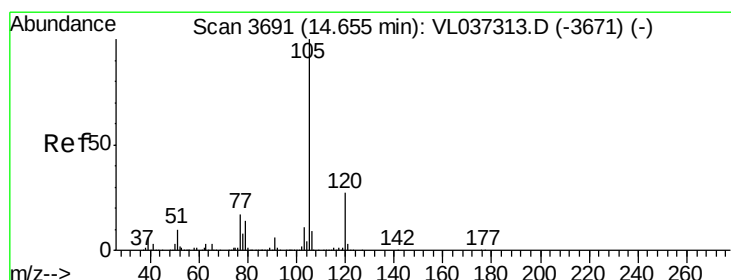
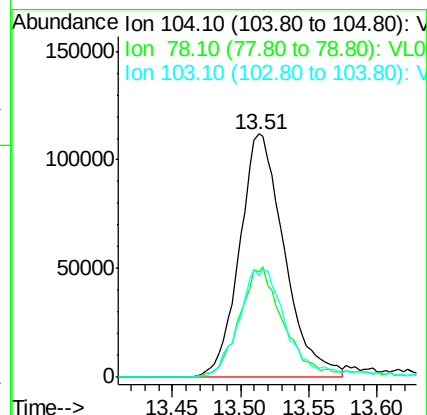
MSVOA_L

ClientSampleId :

VSTDIC001

Manual Integrations
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#62

Isopropylbenzene

Concen: 1.276 ppbv

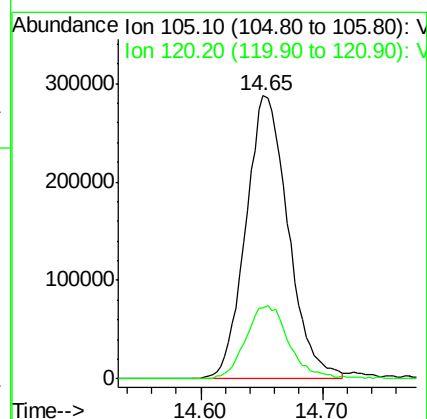
RT: 14.65 min Scan# 3690

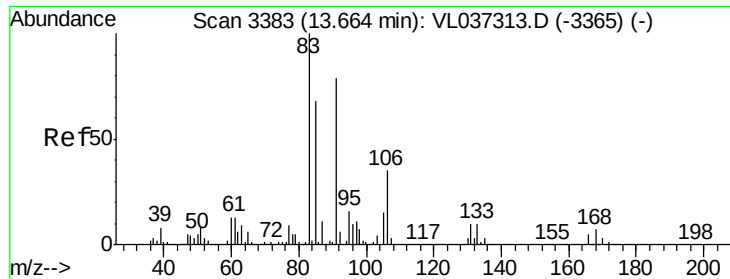
Delta R.T. -0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Tgt Ion:	105	Resp:	690092
Ion Ratio	Lower	Upper	
105	100		
120	27.0	23.0	34.6





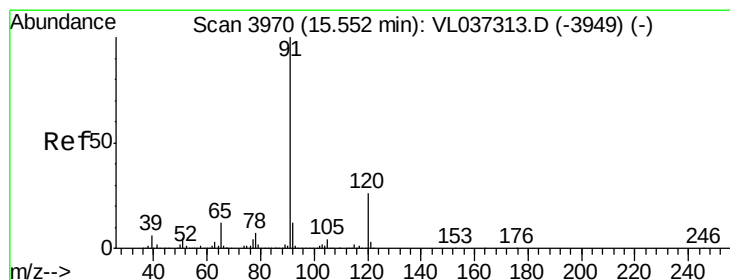
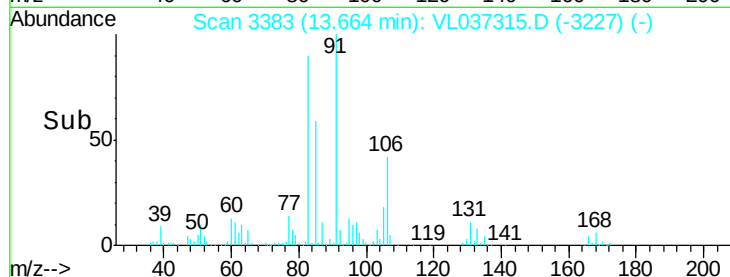
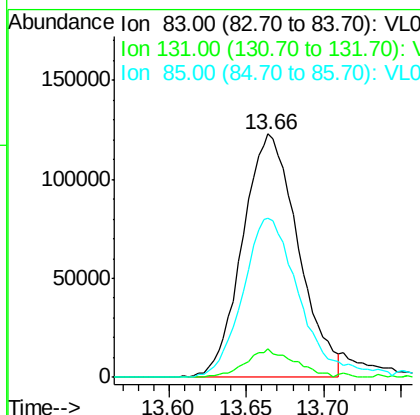
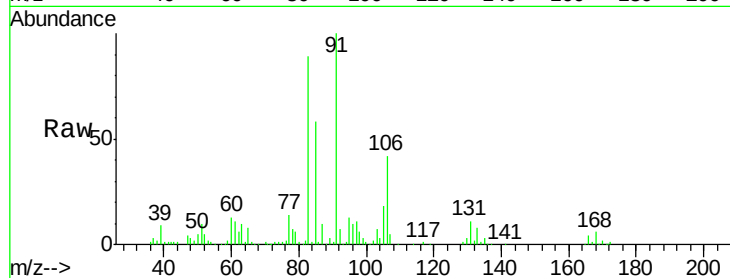
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.212 ppbv
 RT: 13.66 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VL037315.D
 Acq: 4 Aug 2021 18:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	83	131	85
Ion	83	131	85
Ratio	100	11.1	70.3
Lower		5.1	33.5
Upper		15.4	100.4

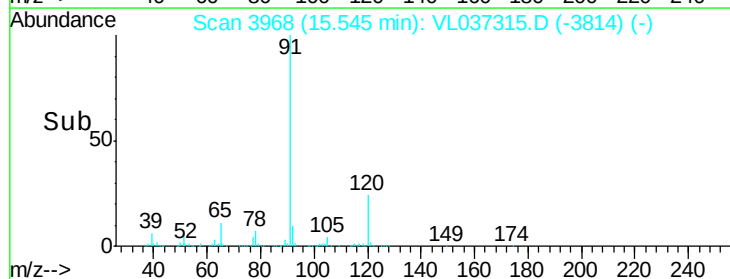
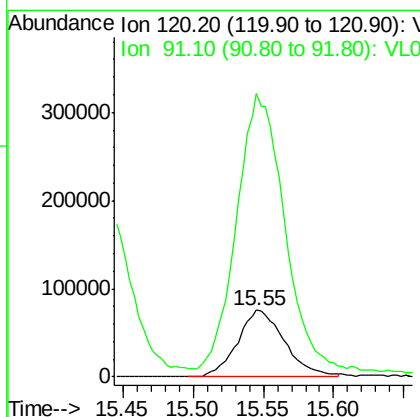
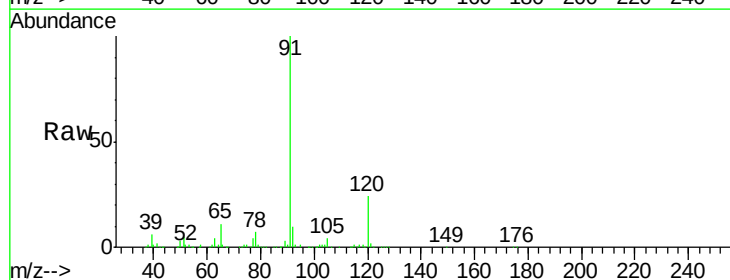
Manual Integrations
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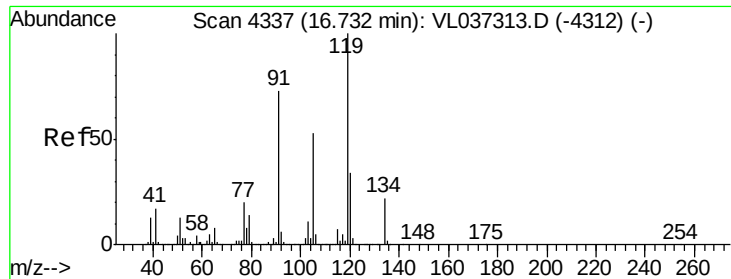
MMDadoda
 8/5/2021 1:39:52 PM



#64
 n-propylbenzene
 Concen: 1.113 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. -0.01 min
 Lab File: VL037315.D
 Acq: 4 Aug 2021 18:43

Tgt Ion	120	91
Ion	120	91
Ratio	100	447.2
Lower		361.0
Upper		541.4





#65

tert-Butylbenzene

Concen: 1.238 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. 0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

MSVOA_L

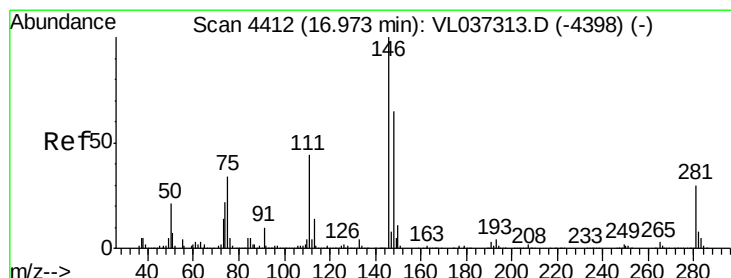
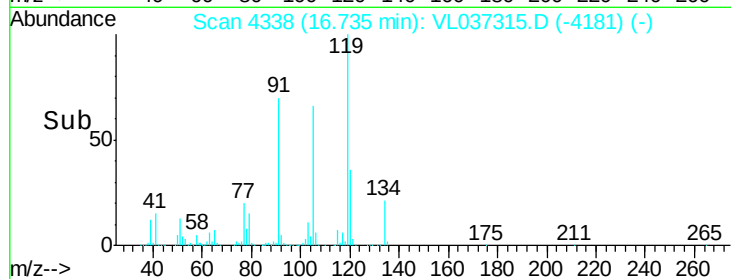
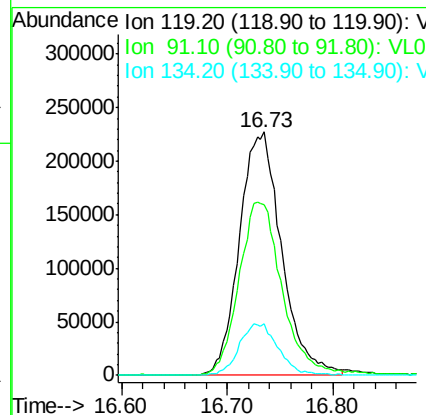
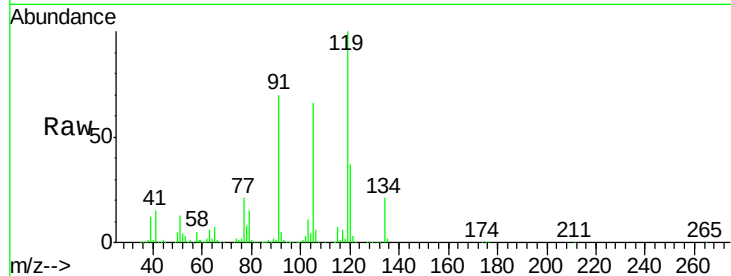
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	629675
Ion Ratio	Lower	Upper	
119	100		
91	73.7	58.6	88.0
134	20.0	16.5	24.7

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.195 ppbv m

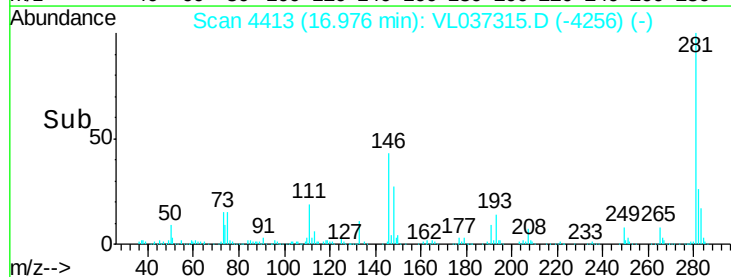
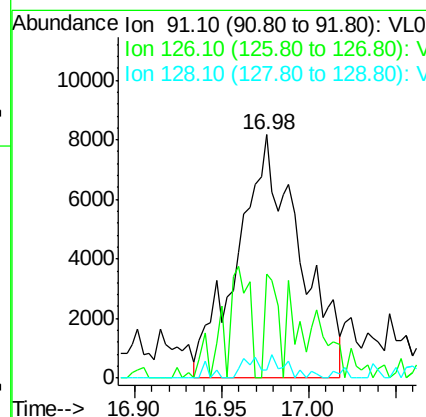
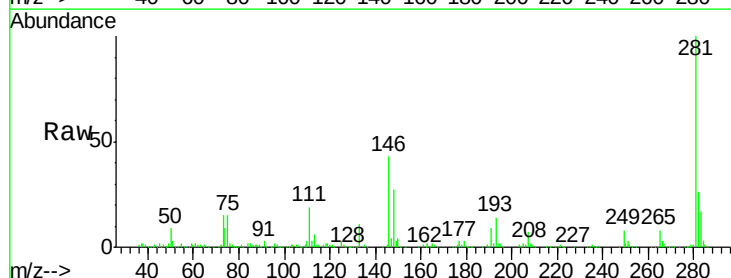
RT: 16.98 min Scan# 4413

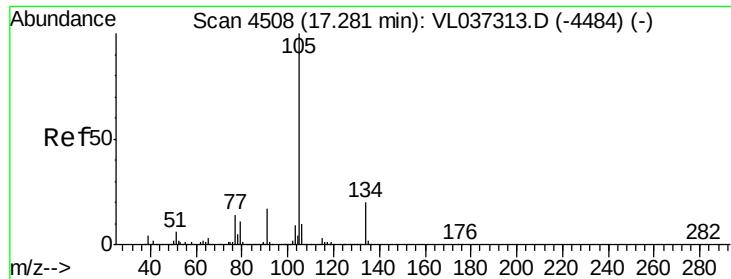
Delta R.T. 0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Tgt Ion:	91	Resp:	20172
Ion Ratio	Lower	Upper	
91	100		
126	25.7	17.8	26.6
128	4.8	5.8	8.6#





#67

sec-Butylbenzene

Concen: 1.240 ppbv m

RT: 17.27 min Scan# 4506

Delta R.T. -0.01 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 840630

Ion Ratio Lower Upper

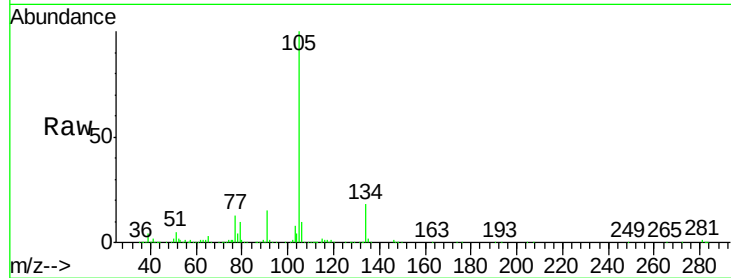
105 100

134 19.4 15.4 23.2

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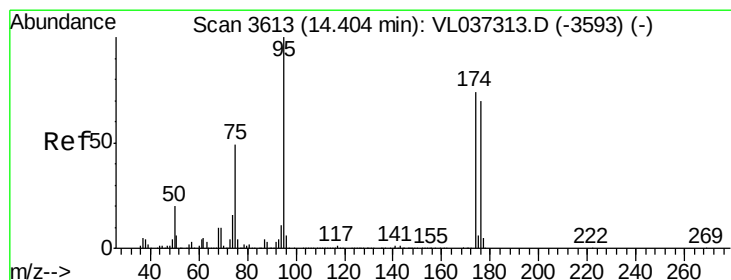
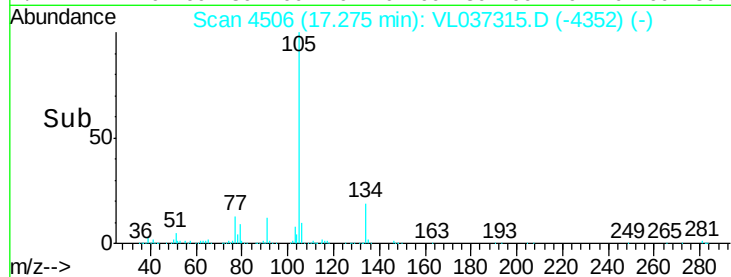
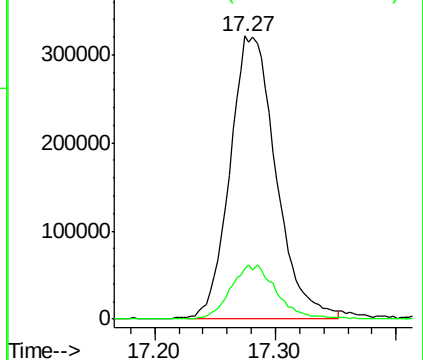
MMDadoda

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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: 9.890 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

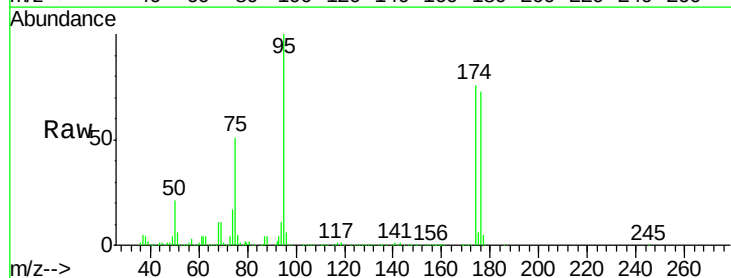
Tgt Ion: 95 Resp: 2554746

Ion Ratio Lower Upper

95 100

174 78.1 66.9 100.3

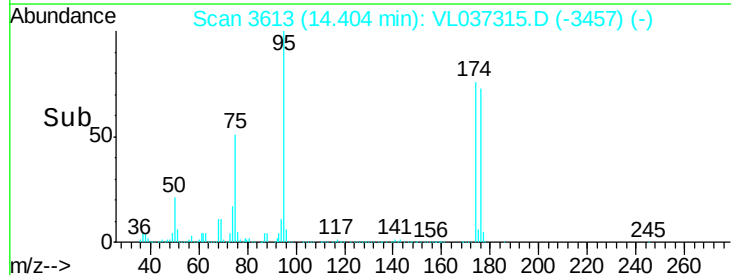
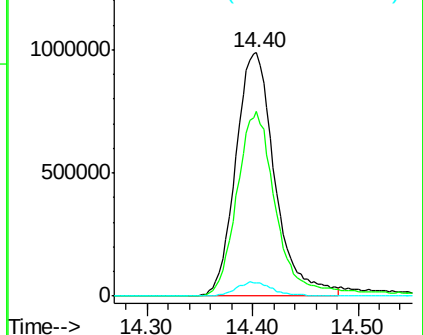
175 5.5 5.1 7.7

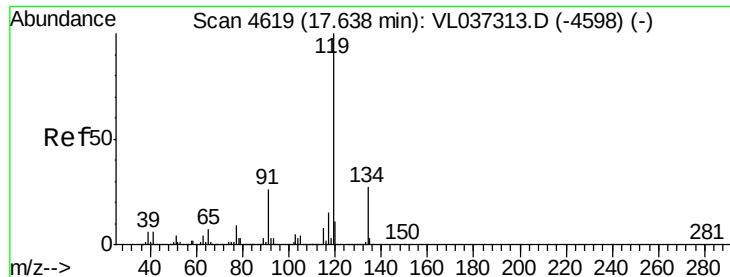


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





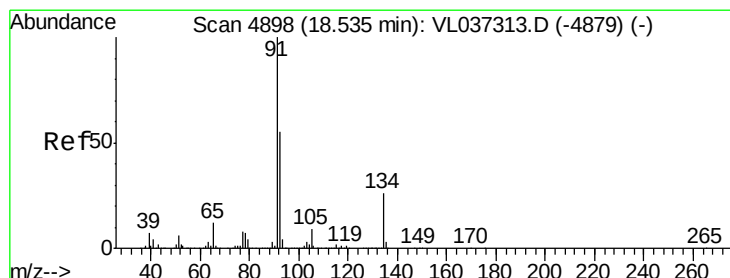
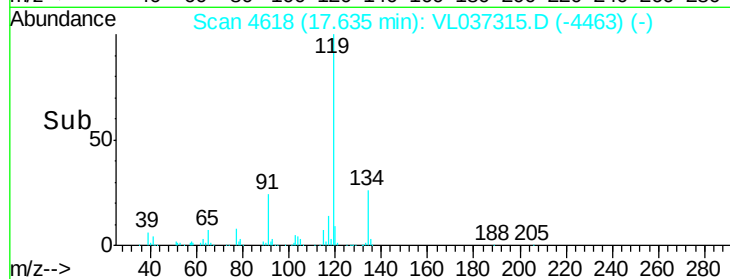
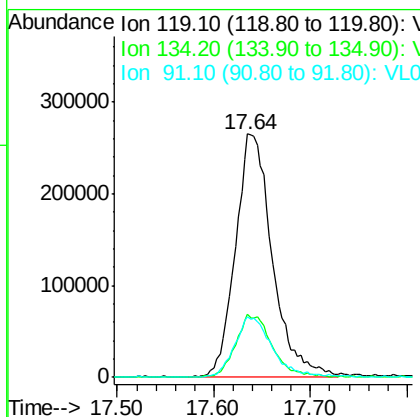
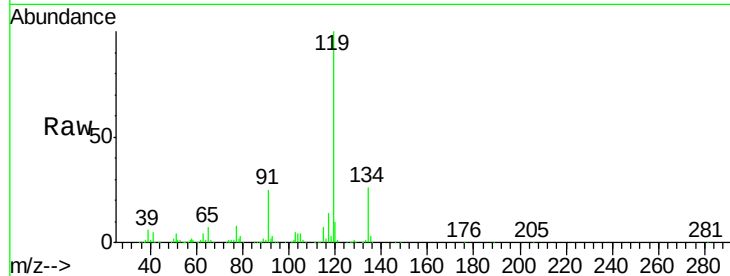
#69
 p-Isopropyltoluene
 Concen: 1.107 ppbv
 RT: 17.64 min Scan# 4618
 Delta R.T. -0.00 min
 Lab File: VL037315.D
 Acq: 4 Aug 2021 18:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	119	Resp:	704106
Ion Ratio		Lower	Upper
119	100		
134	25.9	21.0	31.6
91	25.5	20.5	30.7

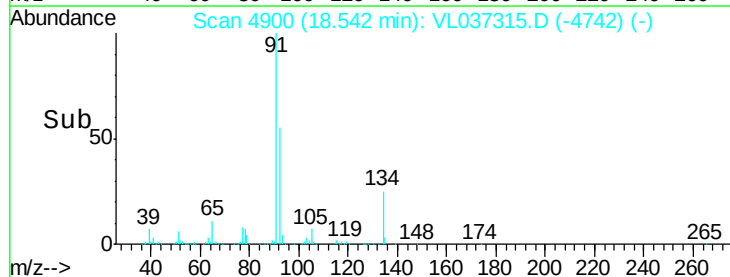
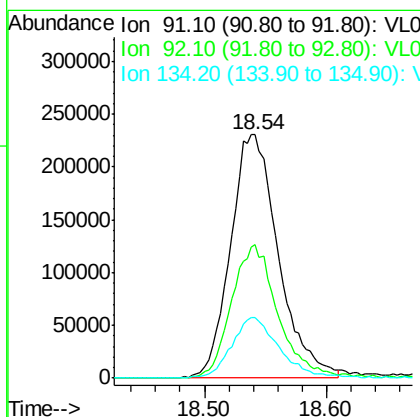
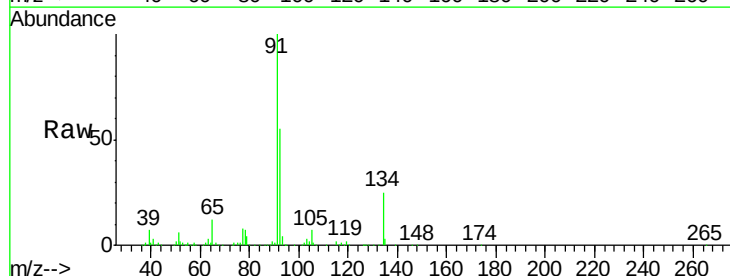
Manual Integrations
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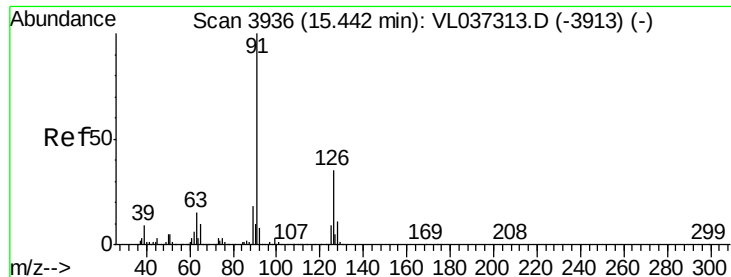
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#70
 n-Butylbenzene
 Concen: 1.069 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. 0.01 min
 Lab File: VL037315.D
 Acq: 4 Aug 2021 18:43

Tgt Ion:	91	Resp:	621303
Ion Ratio		Lower	Upper
91	100		
92	54.3	44.1	66.1
134	25.3	20.6	31.0





#71

2-Chlorotoluene

Concen: 1.100 ppbv

RT: 15.44 min Scan# 3935

Delta R.T. -0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 470809

Ion Ratio Lower Upper

91 100

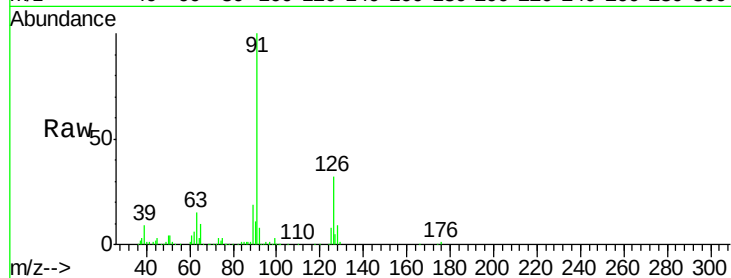
126 35.0 14.3 57.1

Manual Integrations

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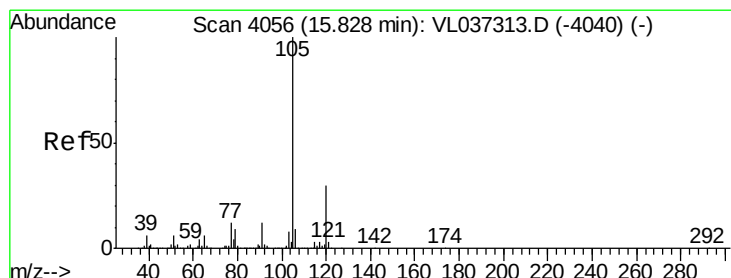
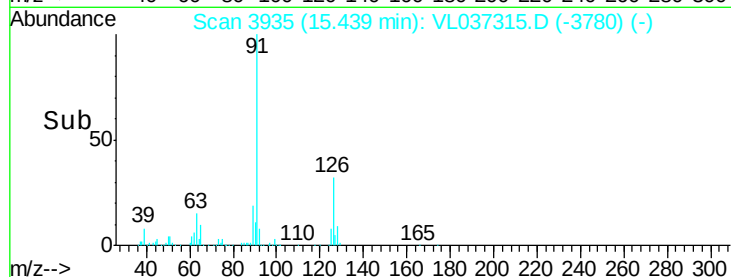
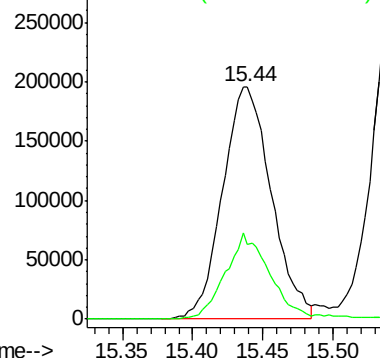
MMDadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 1.097 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. -0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Tgt Ion:105 Resp: 553936

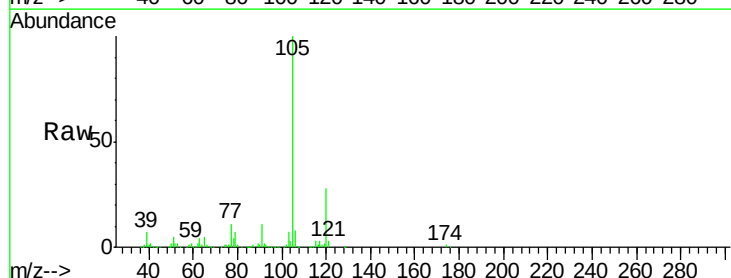
Ion Ratio Lower Upper

105 100

120 32.1 25.6 38.4

91 12.2 9.4 14.2

77 13.0 10.2 15.4

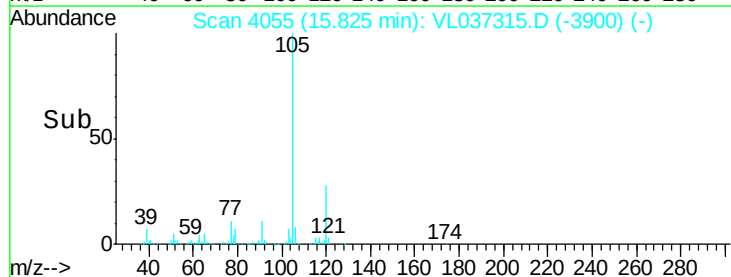
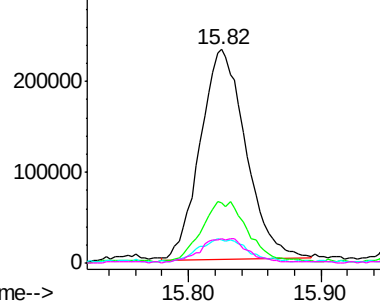


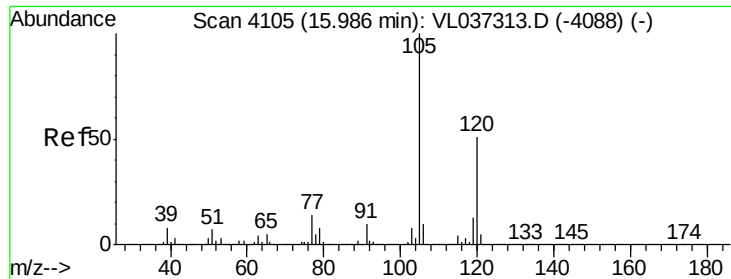
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 1.072 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. 0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 488566

Ion Ratio Lower Upper

105 100

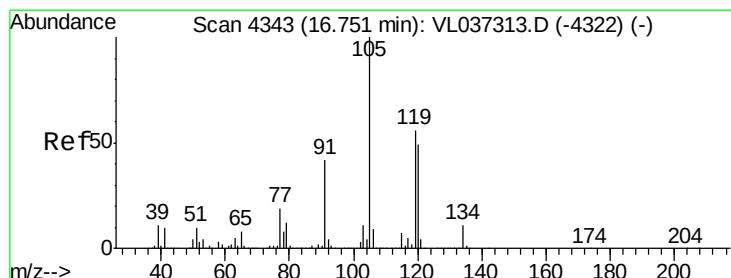
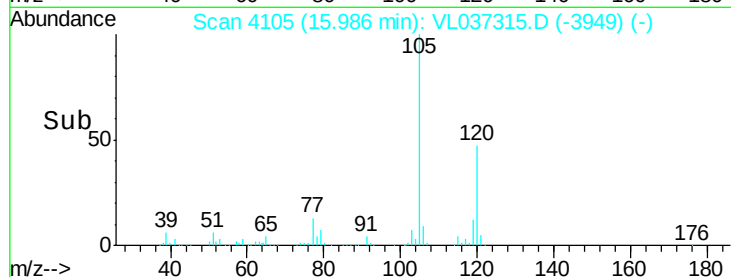
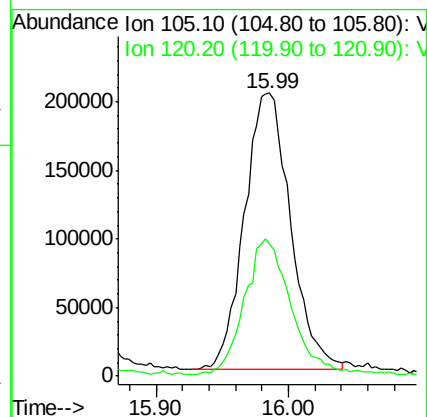
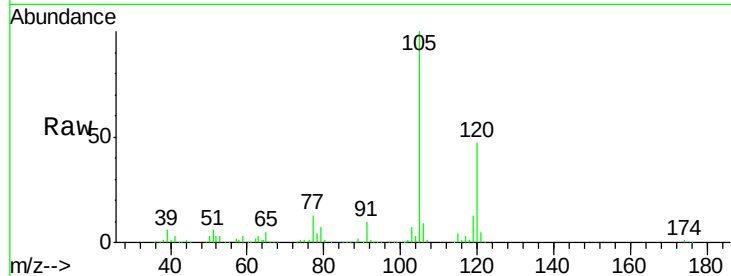
120 46.9 40.4 60.6

Manual Integrations

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#74

1,2,4-Trimethylbenzene

Concen: 1.100 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. 0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Tgt Ion:105 Resp: 535335

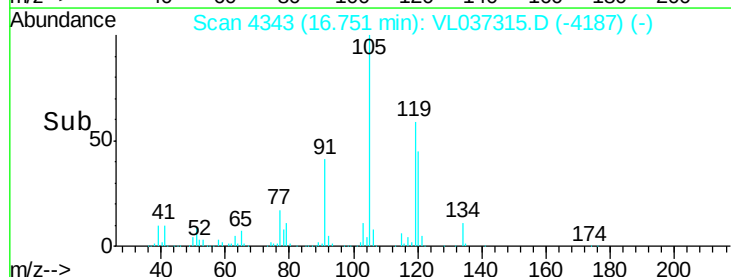
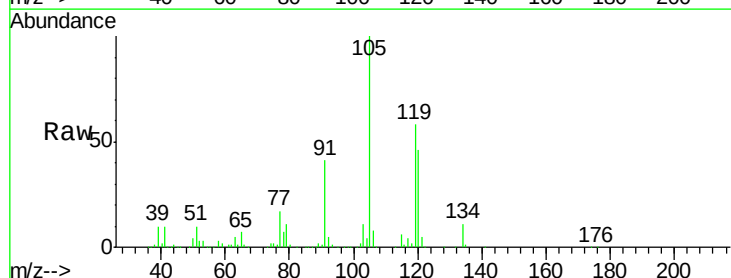
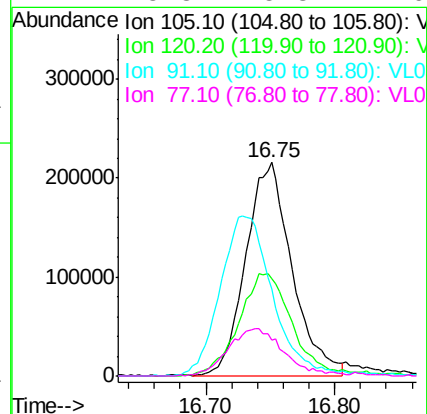
Ion Ratio Lower Upper

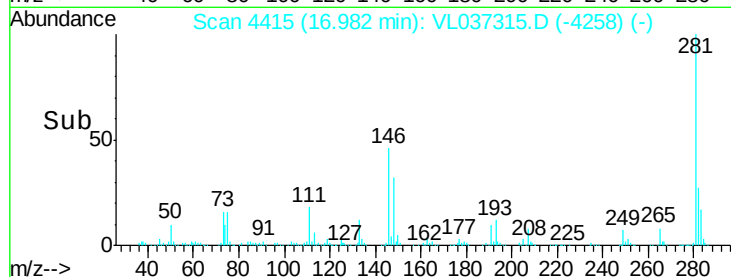
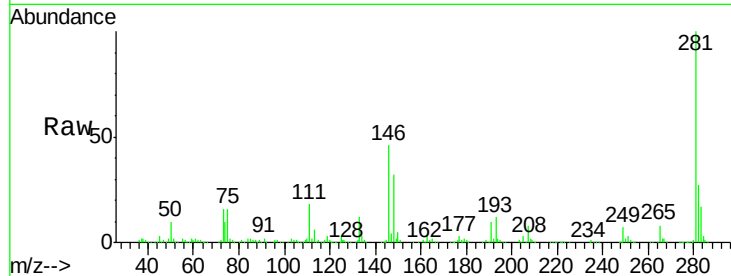
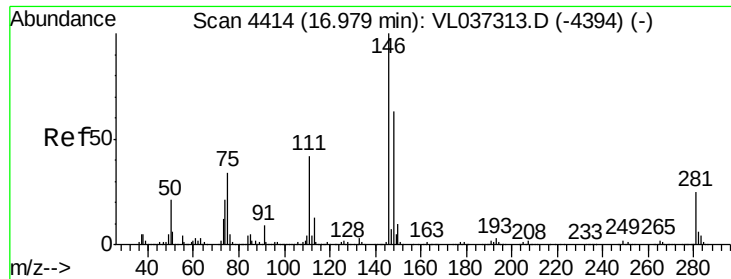
105 100

120 44.9 39.6 59.4

91 38.8 34.5 51.7

77 15.8 15.3 22.9





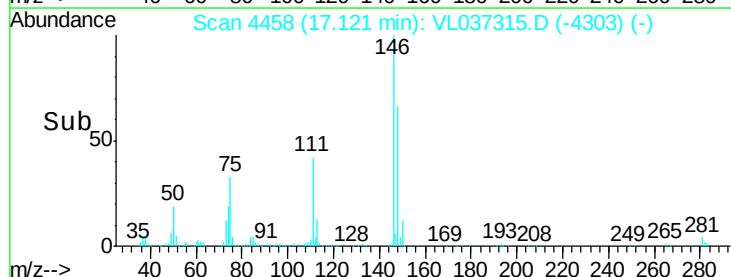
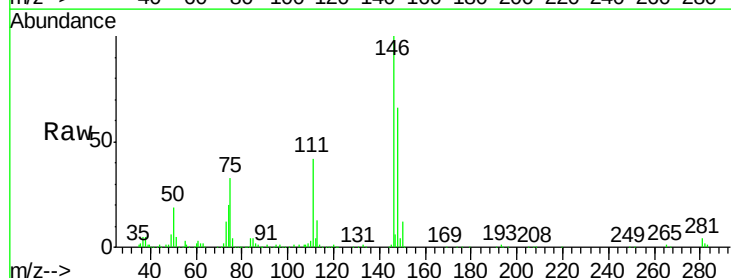
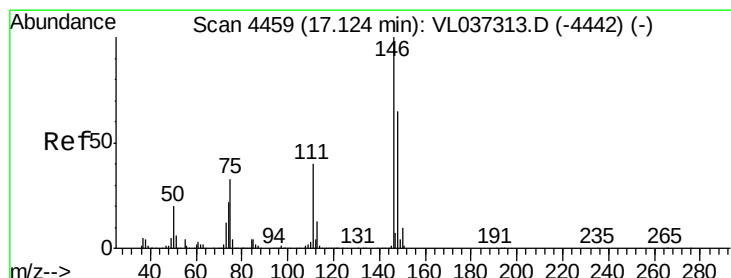
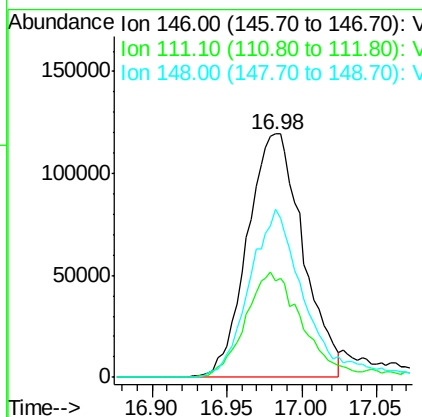
#75
1,3-Dichlorobenzene
Concen: 1.028 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. 0.00 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Tot Ion	Ratio	Resp	Lower	Upper
146	100	308345		
111	45.5	21.4	64.3	
148	68.6	32.6	97.7	

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

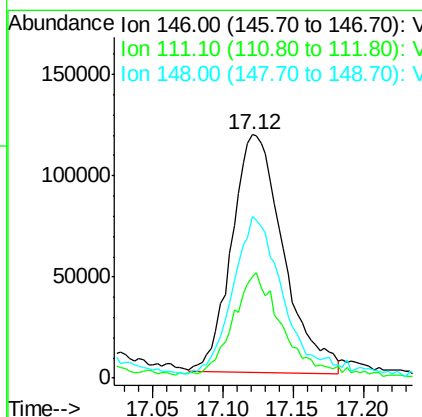
Manual Integrations
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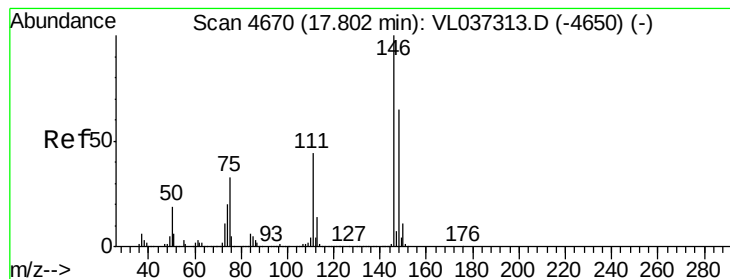
MMDadoda
8/5/2021 1:39:52 PM



#76
1,4-Dichlorobenzene
Concen: 1.043 ppbv
RT: 17.12 min Scan# 4458
Delta R.T. -0.00 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	301254		
111	43.1	21.0	63.0	
148	70.2	33.5	100.4	





#77

1,2-Dichlorobenzene

Concen: 1.062 ppbv

RT: 17.80 min Scan# 4670

Delta R.T. 0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Instrument :

MSVOA_L

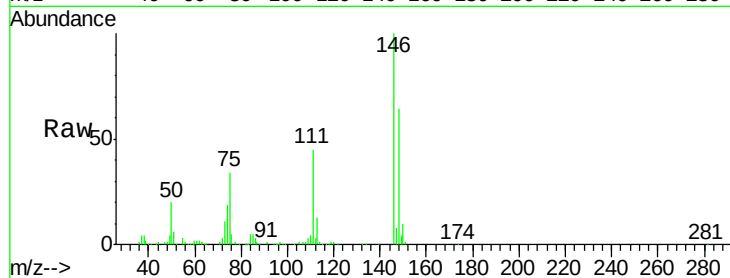
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	304157
Ion Ratio	Lower	Upper	
146	100		
111	45.2	22.1	66.5
148	67.1	32.5	97.4

Manual Integrations
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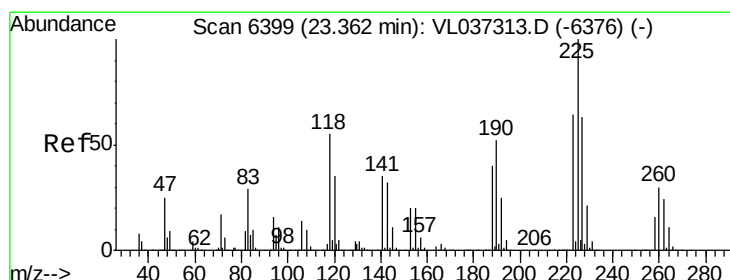
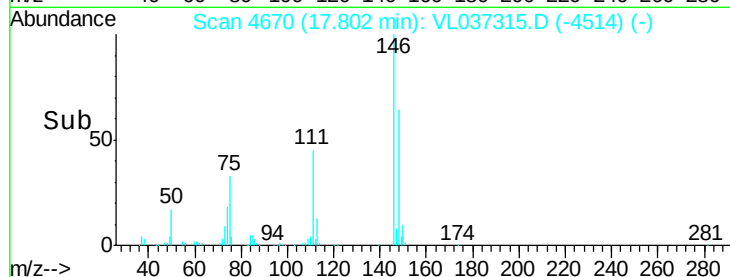
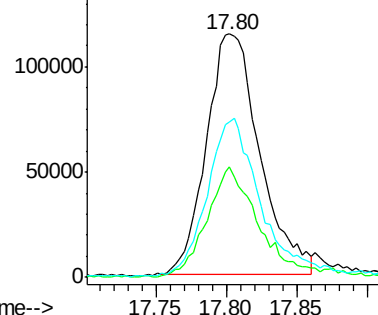


Abundance

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: 1.255 ppbv

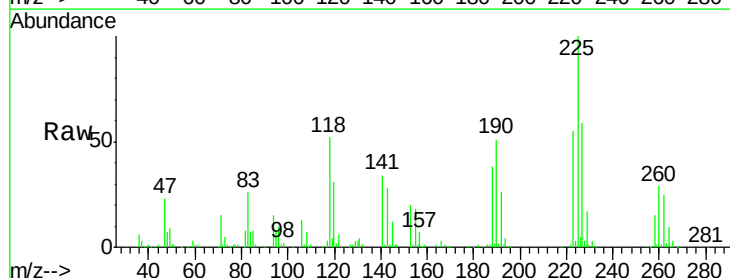
RT: 23.36 min Scan# 6399

Delta R.T. 0.00 min

Lab File: VL037315.D

Acq: 4 Aug 2021 18:43

Tgt Ion:	225	Resp:	283970
Ion Ratio	Lower	Upper	
225	100		
223	64.1	51.1	76.7
227	66.2	51.9	77.9

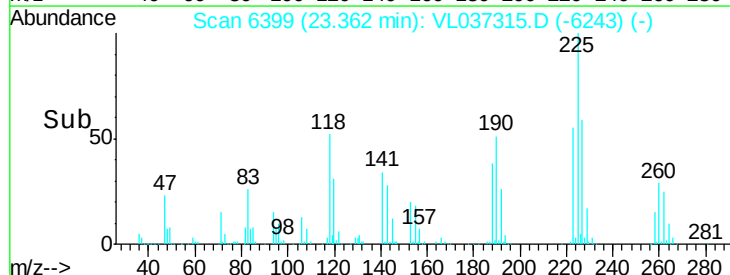
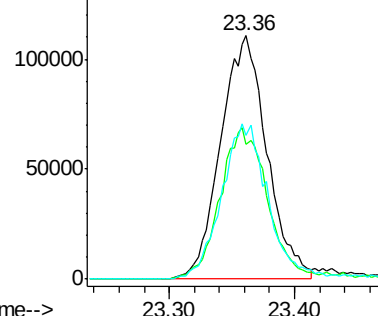


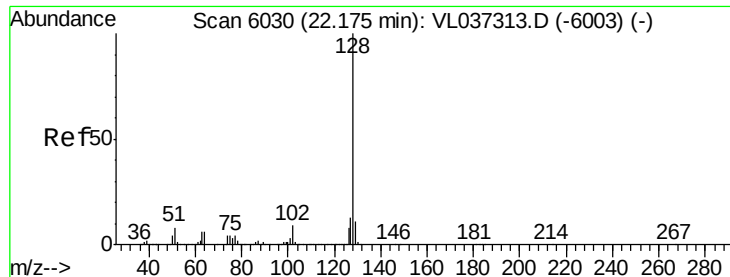
Abundance

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





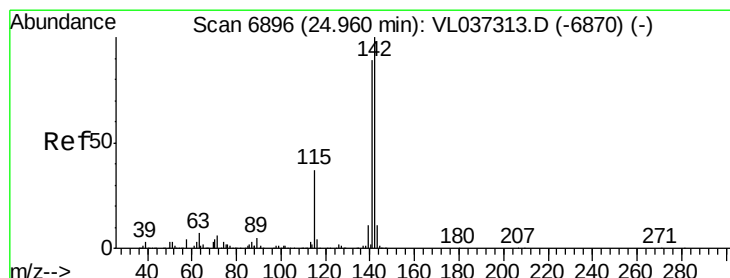
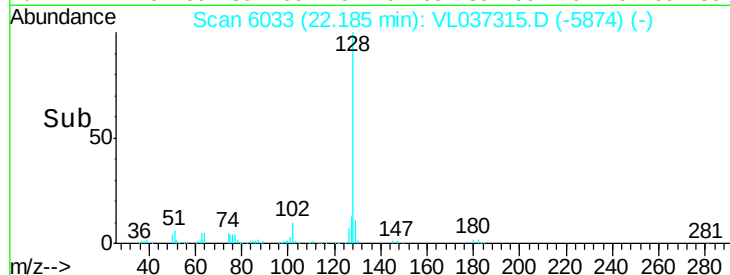
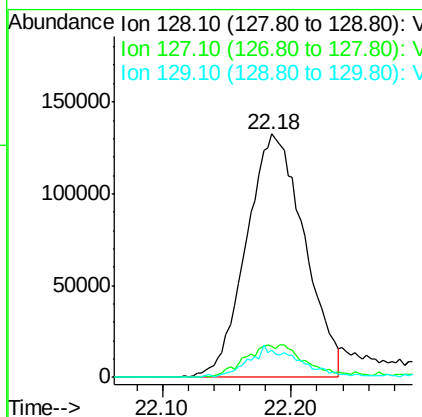
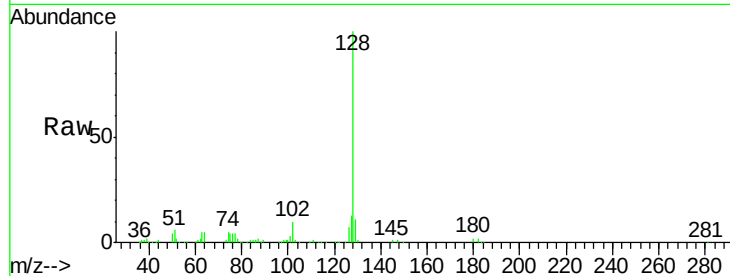
#79
Naphthalene
Concen: 0.989 ppbv
RT: 22.18 min Scan# 6033
Delta R.T. 0.01 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.2	8.6	12.8

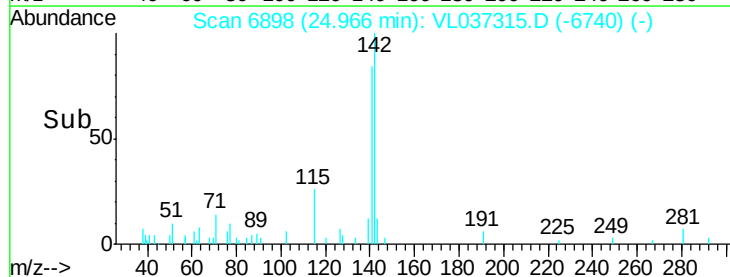
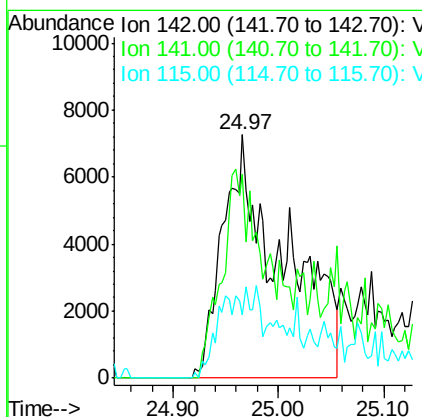
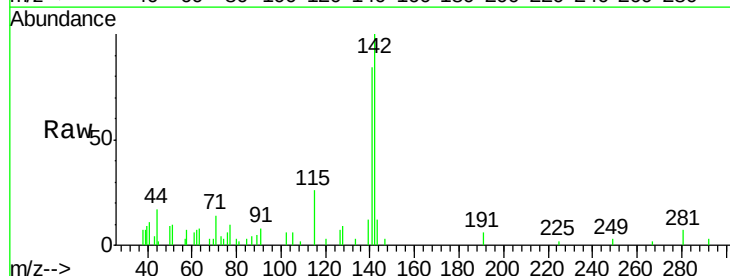
Manual Integrations
APPROVED

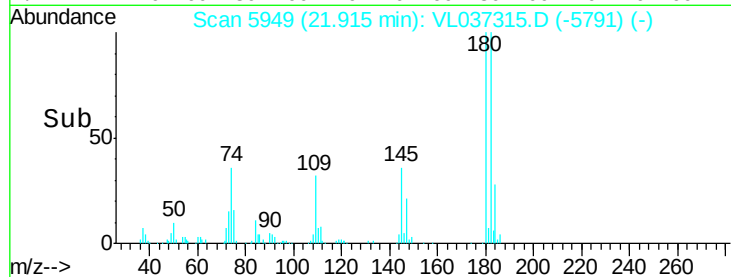
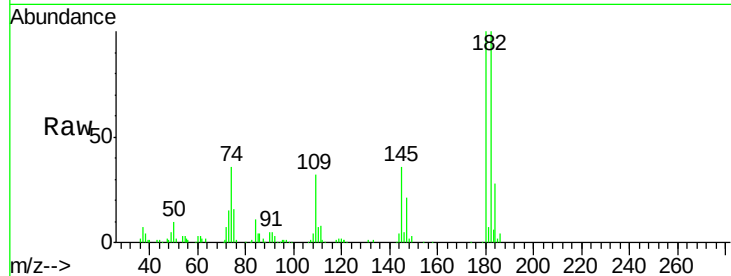
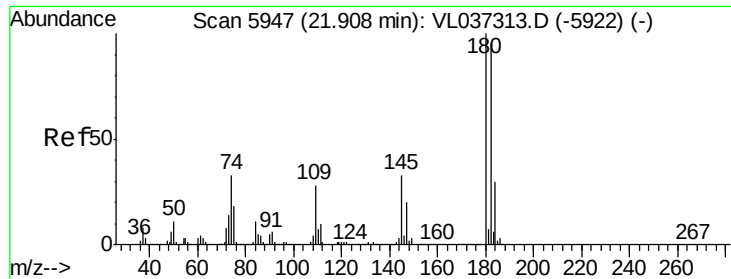
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8/5/2021 1:39:52 PM



#80
Naphthalene, 2-methyl-
Concen: 0.445 ppbv m
RT: 24.97 min Scan# 6898
Delta R.T. 0.01 min
Lab File: VL037315.D
Acq: 4 Aug 2021 18:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	71.7	67.2	100.8
115	29.9	27.9	41.9





#81
 1,2,4-Trichlorobenzene
 Concen: 1.215 ppbv m
 RT: 21.91 min Scan# 5949
 Delta R.T. 0.01 min
 Lab File: VL037315.D
 Acq: 4 Aug 2021 18:43

Tot Ion:	180	Resp:	261200
Ion Ratio	Lower	Upper	
180	100		
182	0.0	78.0	117.0#
184	0.0	25.0	37.4#

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 1:39:52 PM

