

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037290.D
 Acq On : 30 Jul 2021 18:36
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:57:34 AM

Quant Time: Jul 30 23:05:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 2021
 QLast Update : Fri Jul 30 22:49:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1260061	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3922398	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3713827	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2721033	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	218478	1.041 ppbv	96
3) Chlorodifluoromethane	2.98	51	274170	1.114 ppbv	100
4) Chloromethane	3.13	50	95805	1.167 ppbv	91
5) Vinyl Chloride	3.26	62	90652	1.006 ppbv	95
6) Bromomethane	3.47	94	57657	1.075 ppbv	97
7) Chloroethane	3.55	64	36735m	1.139 ppbv	
8) Dichlorotetrafluoroethane	3.18	85	258837	1.154 ppbv	100
9) Propene	3.00	41	97049	1.235 ppbv	97
10) Heptane	8.13	43	214440	1.121 ppbv	99
11) Trichlorofluoromethane	3.95	101	248728	1.074 ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.48	101	179249	1.088 ppbv	98
13) Ethanol	3.62	45	23210m	1.848 ppbv	
14) Bromoethene	3.74	108	72691	1.051 ppbv	93
15) Acetone	3.85	43	300369	2.088 ppbv #	81
16) 1,3-Butadiene	3.32	39	87449	1.046 ppbv	98
17) tert-Butyl alcohol	4.29	59	149724	1.140 ppbv	95
18) 1,1-Dichloroethene	4.29	96	78623	1.073 ppbv	93
19) Isopropyl Alcohol	3.97	45	95491m	1.114 ppbv	
20) Methylene Chloride	4.34	84	94970	1.059 ppbv	87
21) Allyl Chloride	4.41	41	101611	0.949 ppbv	95
22) trans-1,2-Dichloroethene	4.89	96	68528	0.937 ppbv	96
23) Vinyl Acetate	5.07	43	235758	1.182 ppbv	97
24) 1,1-Dichloroethane	5.01	63	168691	1.052 ppbv	98
25) Ethyl Acetate	5.68	43	343783	1.097 ppbv #	98
26) Hexane	5.69	57	183441	1.141 ppbv	92
27) Carbon Disulfide	4.55	76	141650	0.934 ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	198364	1.100 ppbv	100
29) Chloroform	5.75	83	266058	1.103 ppbv	100
30) Cyclohexane	7.13	84	153520m	1.167 ppbv	
31) cis-1,2-Dichloroethene	5.55	61	150677	1.043 ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	257241	1.000 ppbv	98
34) 2-Butanone	5.25	43	216364m	1.419 ppbv	
35) Carbon Tetrachloride	7.02	117	263181m	1.010 ppbv	
36) Benzene	6.89	78	355325m	1.117 ppbv	
37) 1,2-Dichloroethane	6.31	62	191081	1.048 ppbv	100
38) Trichloroethene	7.84	130	153032	1.007 ppbv	95
39) 1,2-Dichloropropane	7.61	63	127014	1.079 ppbv	99
40) 1,4-Dioxane	7.86	88	42248m	1.317 ppbv	
41) Tetrahydrofuran	6.07	42	57524	0.812 ppbv #	79
42) Bromodichloromethane	7.79	83	244381	0.971 ppbv #	94
43) Methyl Methacrylate	8.02	69	112150	1.025 ppbv	98

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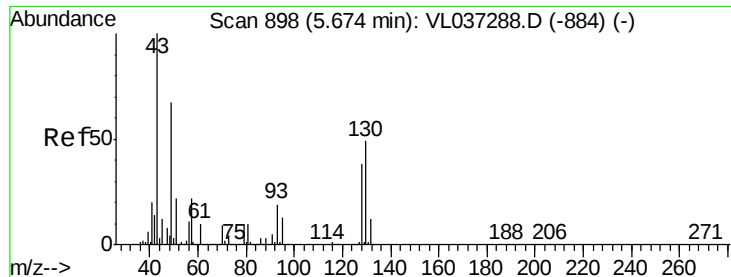
Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:57:34 AM

Quant Time: Jul 30 23:05:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	596300	1.116	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	80552m	0.846	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	113441	0.868	ppbv	91
47) 1,1,2-Trichloroethane	9.48	97	148817m	1.102	ppbv	
48) Dibromochloromethane	10.31	129	206220m	0.972	ppbv	
49) Bromoform	13.05	173	144705	0.903	ppbv	97
50) 4-Methyl-2-Pentanone	8.76	43	216004	1.041	ppbv	94
51) 2-Hexanone	10.16	43	88827	0.881	ppbv #	87
52) Tetrachloroethene	11.23	164	148286	1.001	ppbv	96
53) Toluene	9.81	91	418616	1.099	ppbv	98
54) 1,2-Dibromoethane	10.62	107	204072	1.054	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.13	131	173921	1.077	ppbv #	1
57) Chlorobenzene	12.15	112	334808	1.111	ppbv	95
58) Ethyl Benzene	12.72	91	545265	1.071	ppbv	91
59) m/p-Xylene	13.01	91	943340m	2.186	ppbv	
60) o-Xylene	13.70	91	445423	1.083	ppbv	99
61) Styrene	13.53	104	214192	1.011	ppbv	96
62) Isopropylbenzene	14.67	105	651101	1.110	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.68	83	319751m	1.158	ppbv	
64) n-propylbenzene	15.57	120	162607	1.105	ppbv	82
65) tert-Butylbenzene	16.75	119	608778	1.163	ppbv	97
66) Benzyl Chloride	17.00	91	23091m	0.956	ppbv	
67) sec-Butylbenzene	17.30	105	797869	1.142	ppbv	98
69) p-Isopropyltoluene	17.67	119	687776	1.165	ppbv	99
70) n-Butylbenzene	18.56	91	625636	1.145	ppbv	99
71) 2-Chlorotoluene	15.46	91	452140	1.101	ppbv	99
72) 4-Ethyltoluene	15.85	105	533946	1.128	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	495089	1.087	ppbv	95
74) 1,2,4-Trimethylbenzene	16.77	105	570005	1.215	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	325260	1.131	ppbv	96
76) 1,4-Dichlorobenzene	17.14	146	346990m	1.201	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	305758	1.096	ppbv	93
78) Hexachloro-1,3-Butadiene	23.38	225	237704	1.014	ppbv	97
79) Naphthalene	22.21	128	436525	1.155	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	107035	1.085	ppbv #	81
81) 1,2,4-Trichlorobenzene	21.94	180	267037m	1.206	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1260061

Ion Ratio Lower Upper

49 100

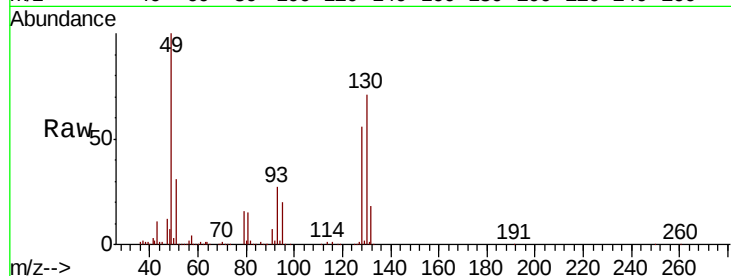
128 60.4 30.6 92.0

130 76.7 37.8 113.4

Manual Integrations
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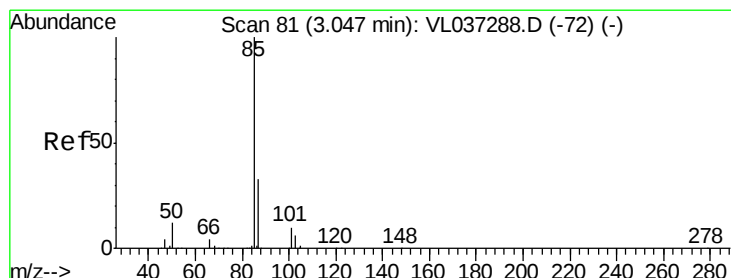
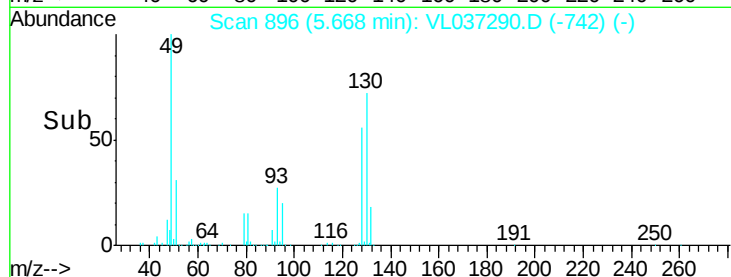
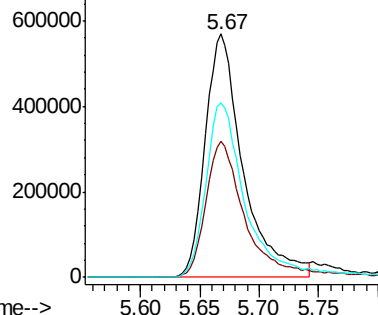
8/2/2021 8:57:34 AM



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: 1.041 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL037290.D

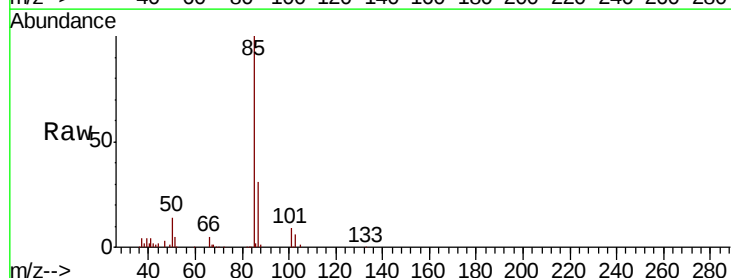
Acq: 30 Jul 2021 18:36

Tgt Ion: 85 Resp: 218478

Ion Ratio Lower Upper

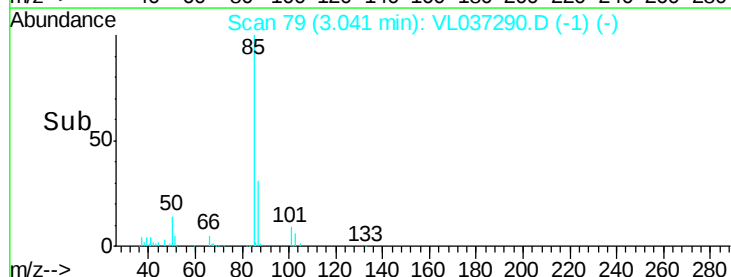
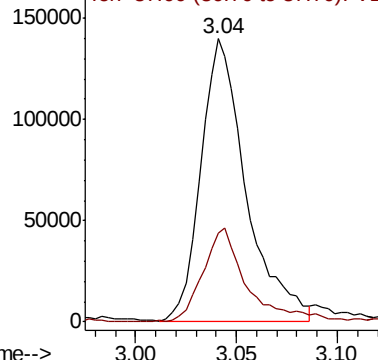
85 100

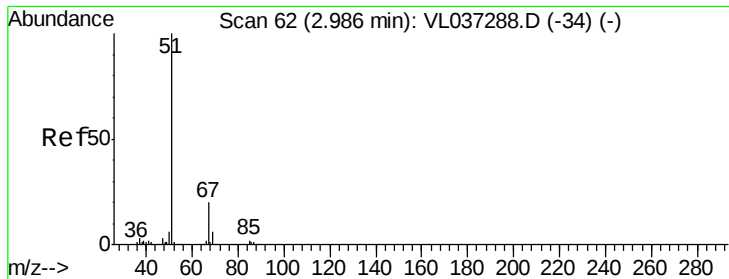
87 30.8 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





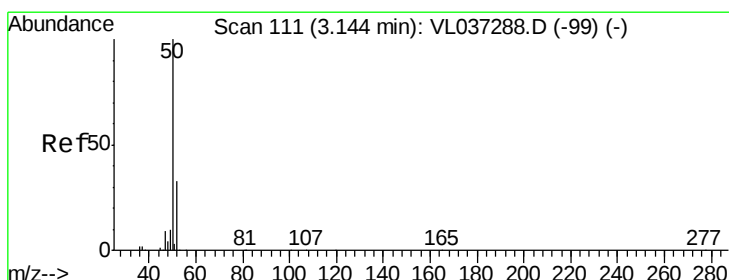
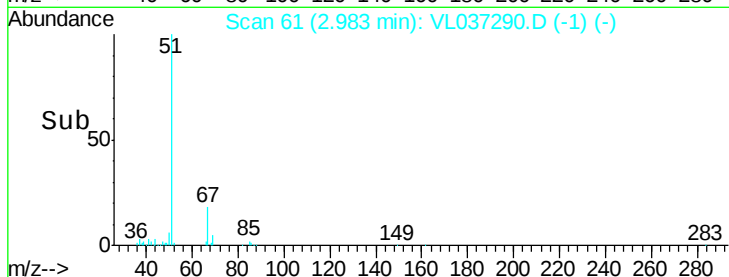
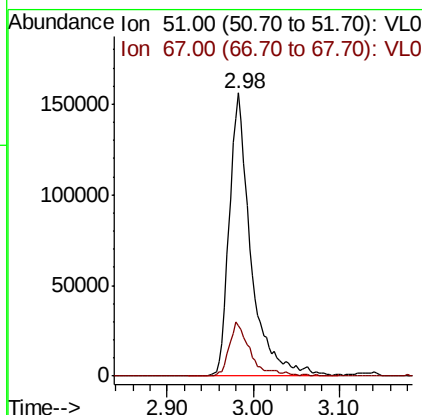
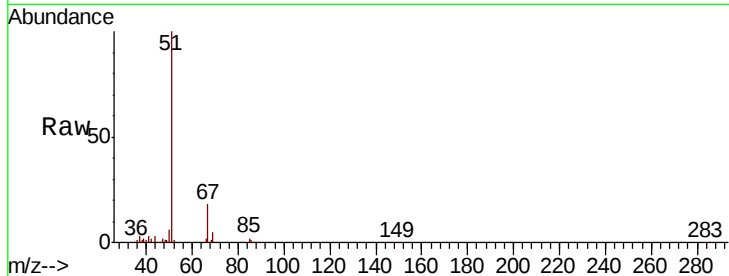
#3
Chlorodifluoromethane
Concen: 1.114 ppbv
RT: 2.98 min Scan# 61
Delta R.T. -0.00 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
51	100		
67	19.2	15.2	22.8

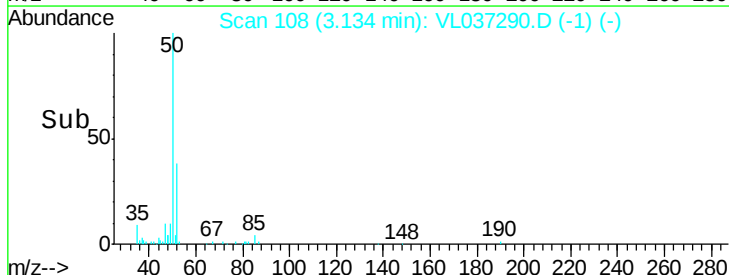
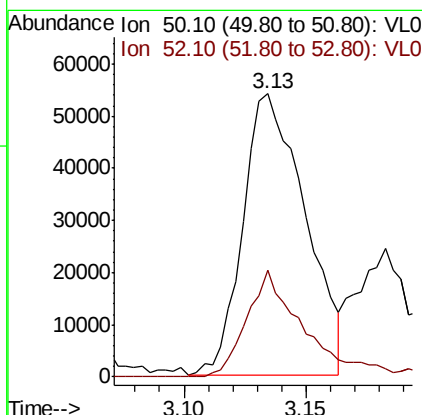
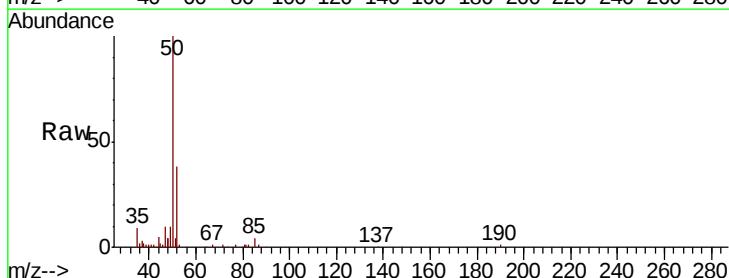
Manual Integrations
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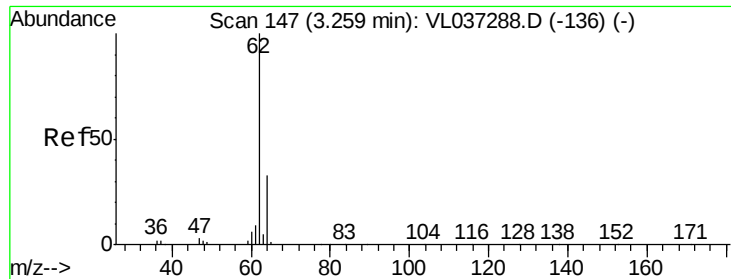
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#4
Chloromethane
Concen: 1.167 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
50	100		
52	37.6	26.2	39.4





#5

Vinyl Chloride

Concen: 1.006 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 90652

Ion Ratio Lower Upper

62 100

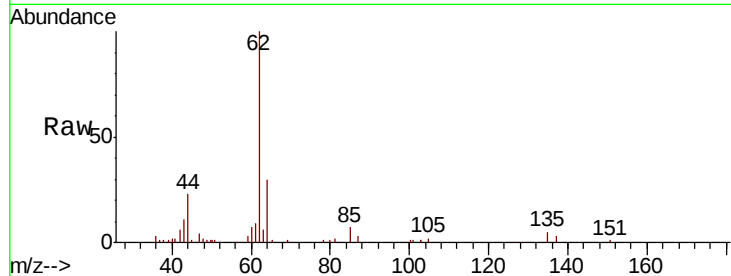
64 30.0 26.1 39.1

Manual Integrations

APPROVED

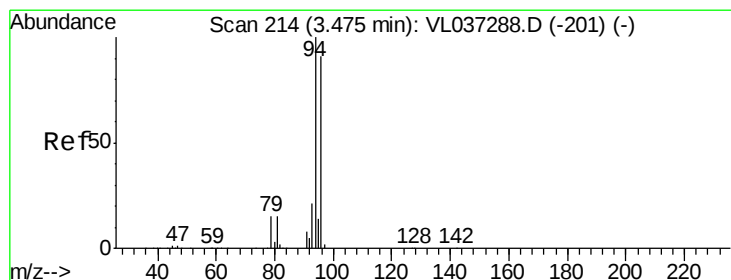
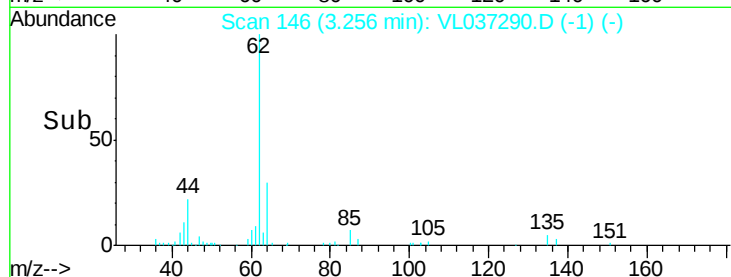
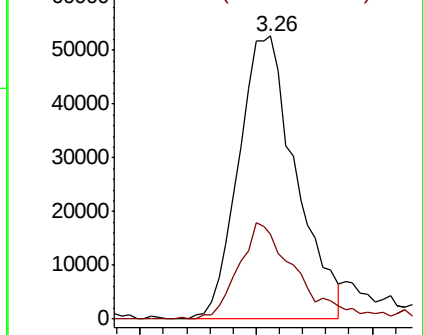
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.075 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL037290.D

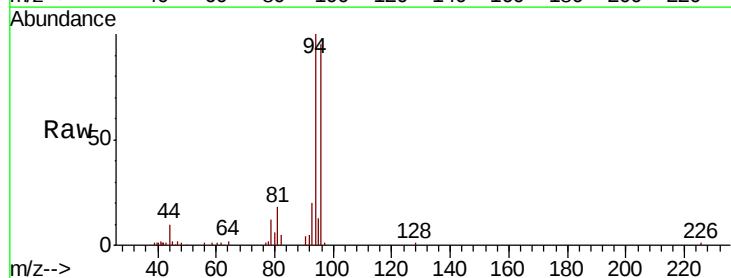
Acq: 30 Jul 2021 18:36

Tgt Ion: 94 Resp: 57657

Ion Ratio Lower Upper

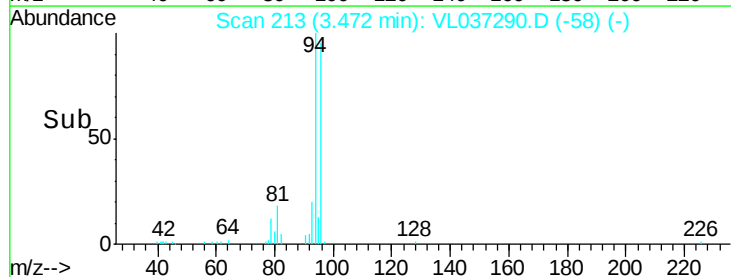
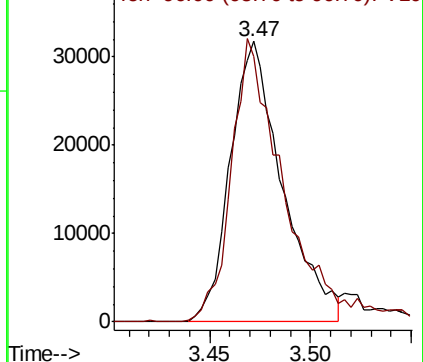
94 100

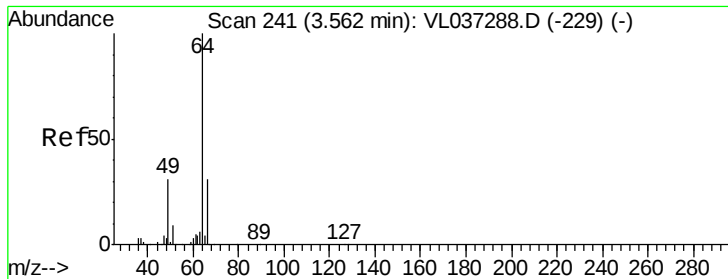
96 94.2 72.7 109.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.139 ppbv m

RT: 3.55 min Scan# 238

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 36735

Ion Ratio Lower Upper

64 100

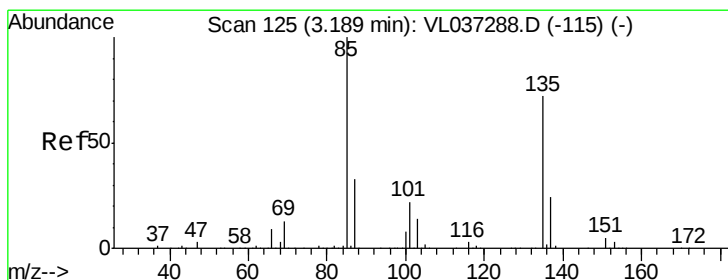
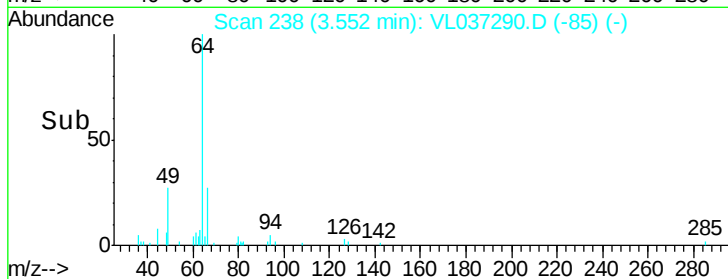
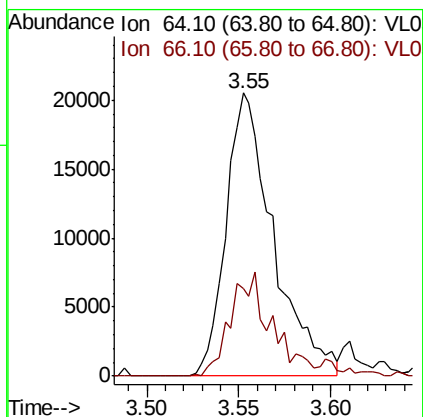
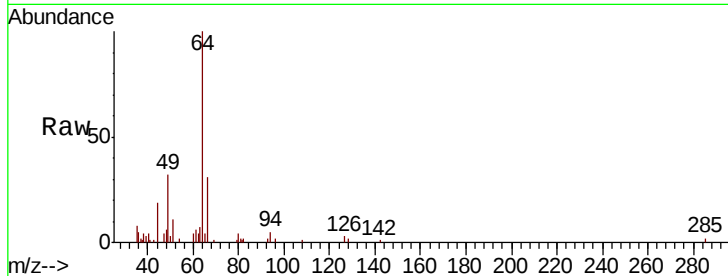
66 31.0 24.9 37.3

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 1.154 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.01 min

Lab File: VL037290.D

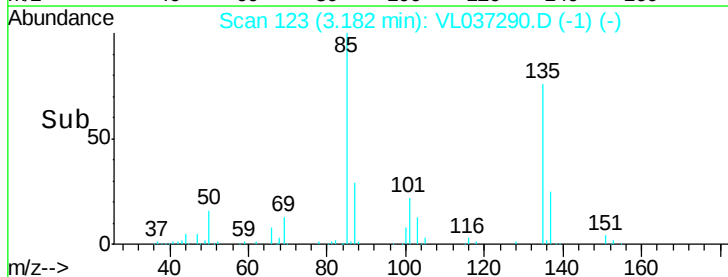
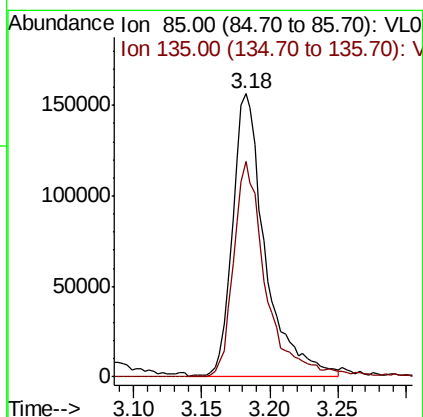
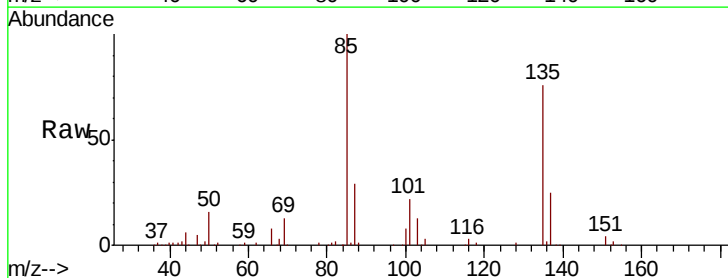
Acq: 30 Jul 2021 18:36

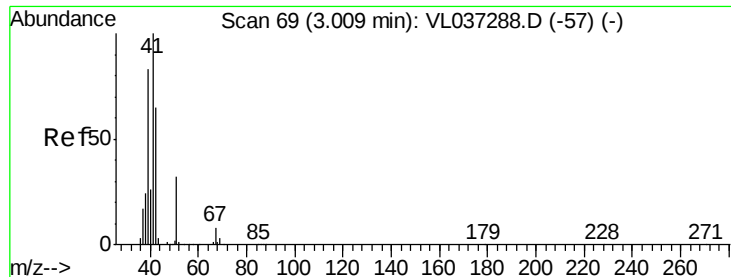
Tgt Ion: 85 Resp: 258837

Ion Ratio Lower Upper

85 100

135 76.6 61.0 91.4





#9

Propene

Concen: 1.235 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 97049

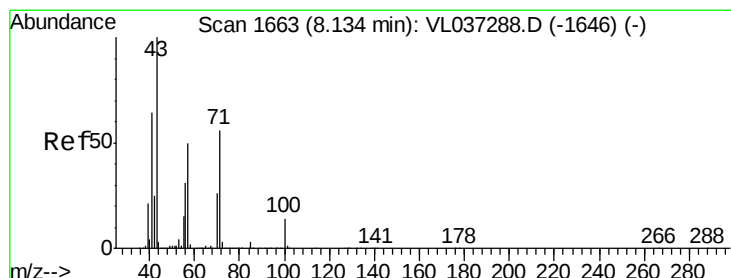
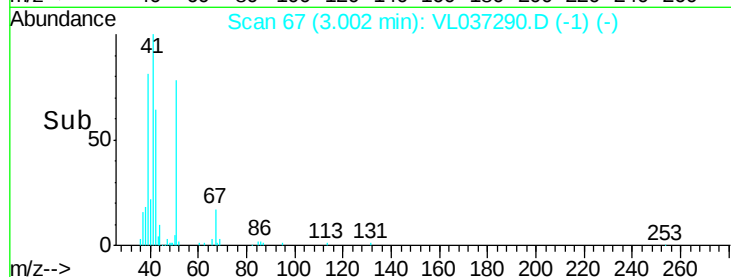
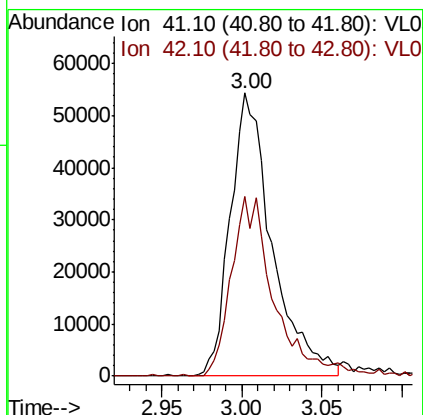
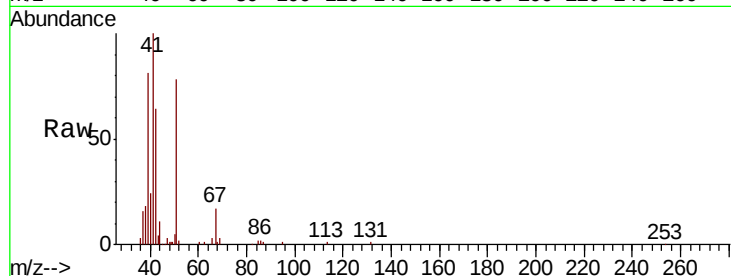
Ion Ratio Lower Upper

41 100

42 65.3 54.0 81.0

Manual Integrations
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#10

Heptane

Concen: 1.121 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.01 min

Lab File: VL037290.D

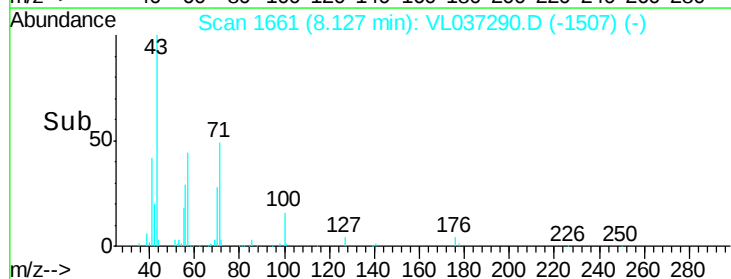
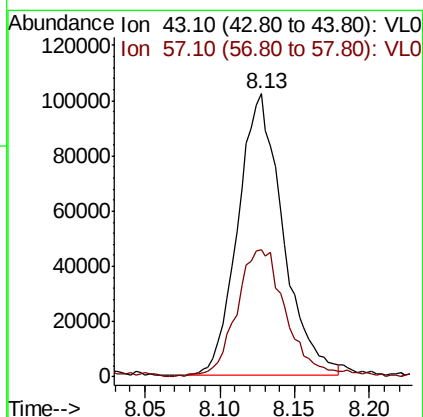
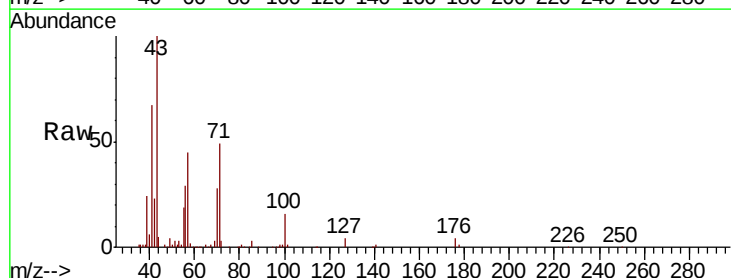
Acq: 30 Jul 2021 18:36

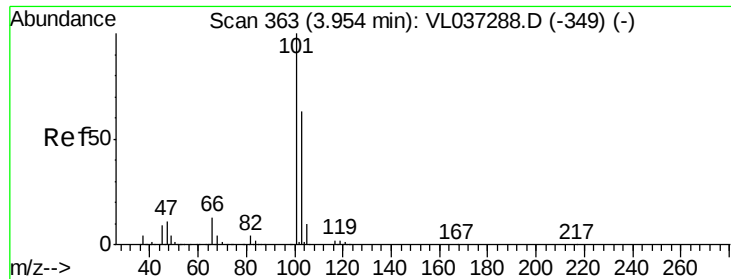
Tgt Ion: 43 Resp: 214440

Ion Ratio Lower Upper

43 100

57 50.6 40.9 61.3





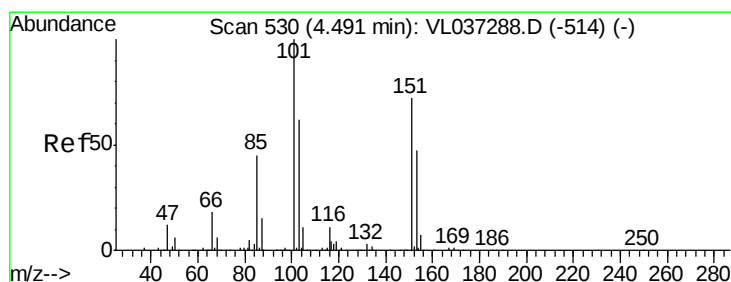
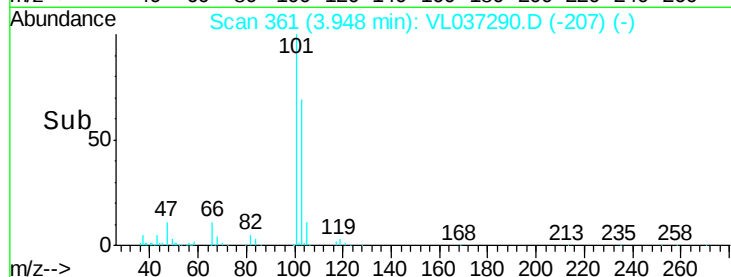
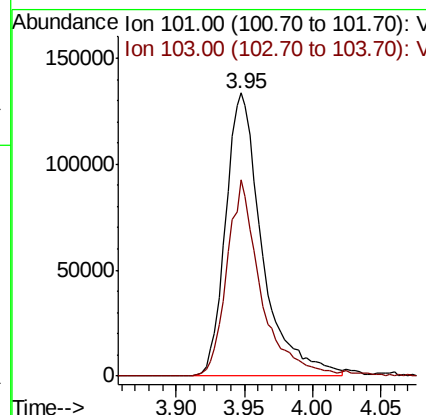
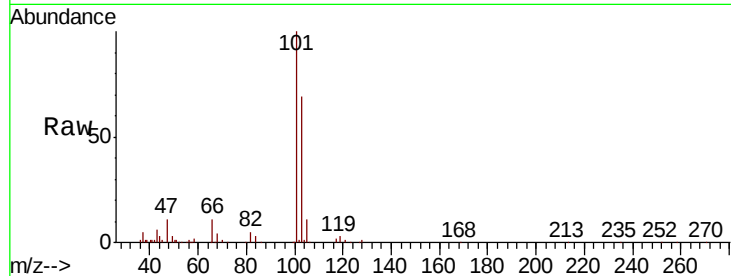
#11
 Trichlorofluoromethane
 Concen: 1.074 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.1	50.6	75.8

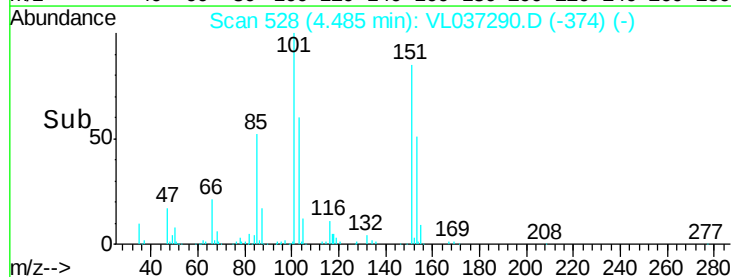
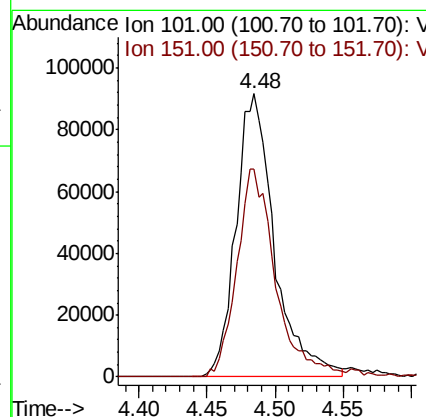
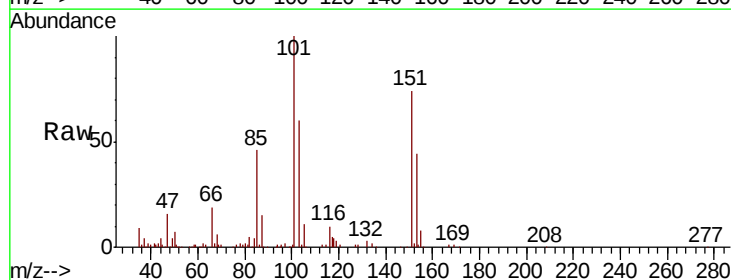
Manual Integrations
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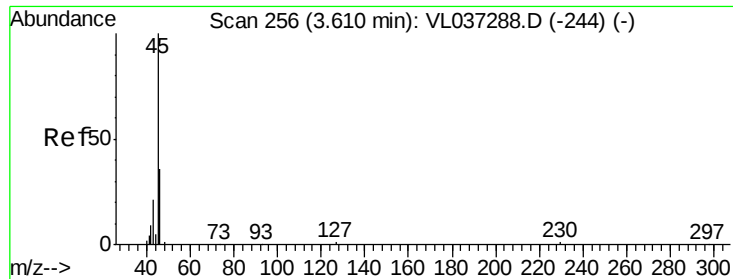
MMDadoda
 8/2/2021 8:57:34 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.088 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
101	100		
151	74.9	61.4	92.0





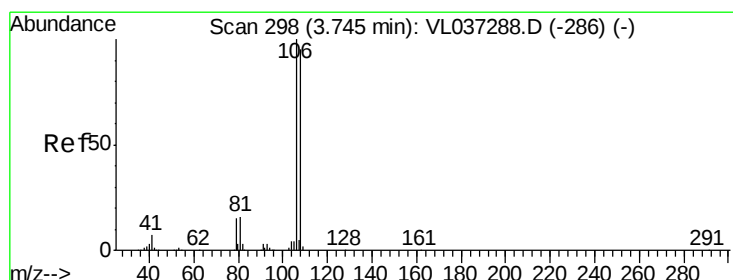
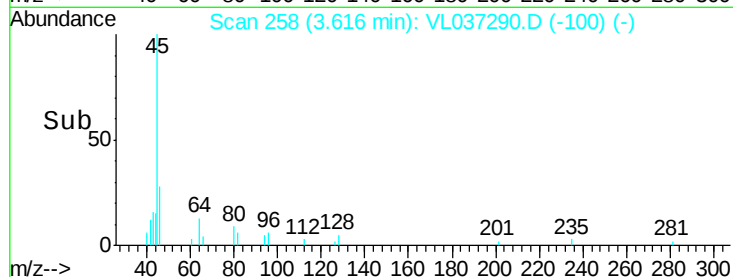
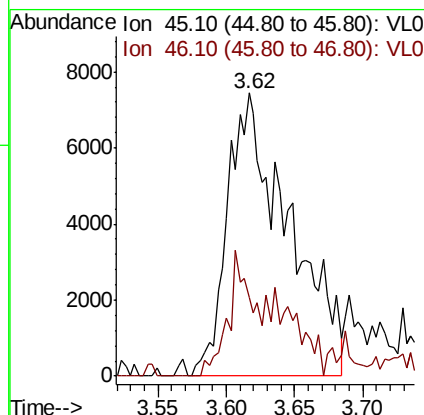
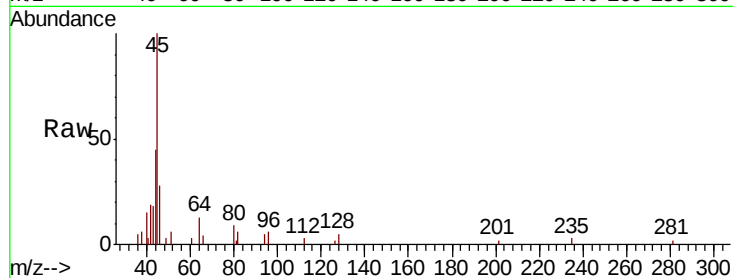
#13
Ethanol
Concen: 1.848 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	45	Resp	23210
Ion Ratio	100	Lower	Upper
46	17.5	16.2	64.8

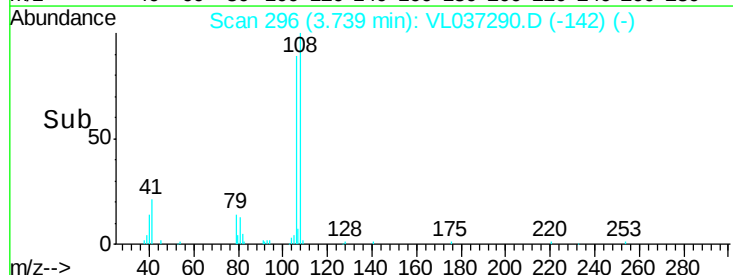
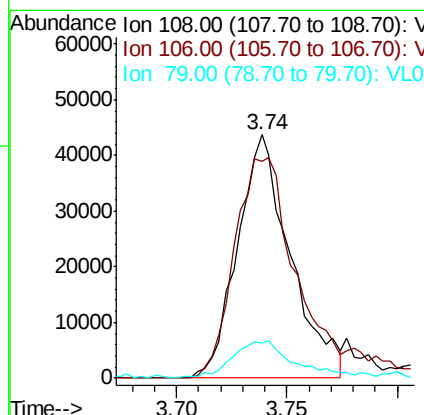
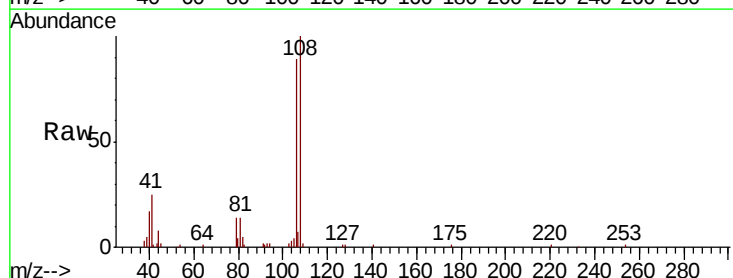
Manual Integrations
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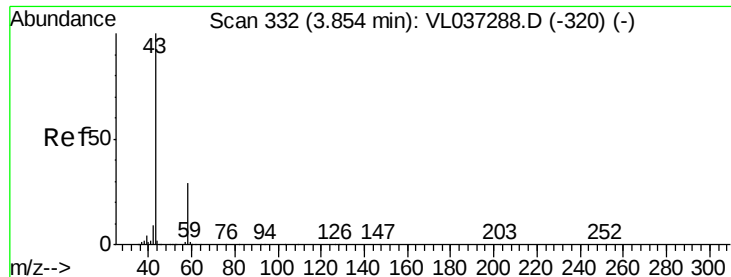
MMDadoda
8/2/2021 8:57:34 AM



#14
Bromoethene
Concen: 1.051 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion	108	Resp	72691
Ion Ratio	100	Lower	Upper
106	115.8	86.2	129.2
79	18.4	13.3	19.9





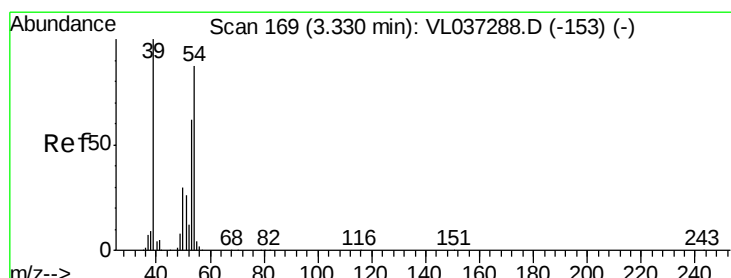
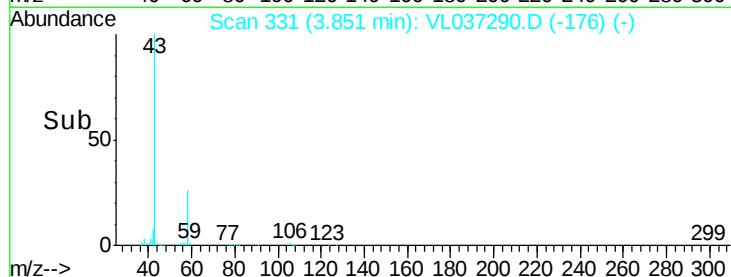
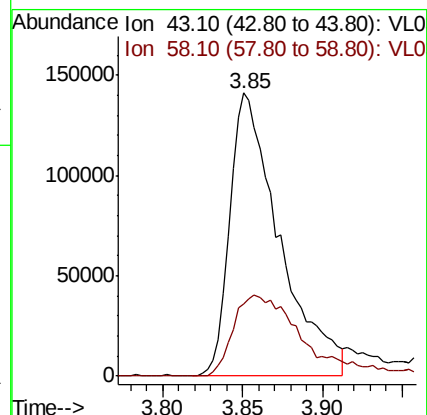
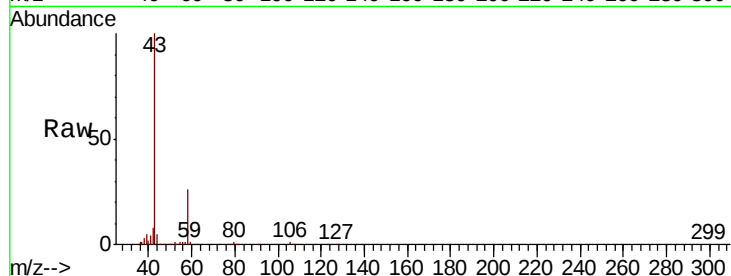
#15
Acetone
Concen: 2.088 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.5	24.2	36.4#

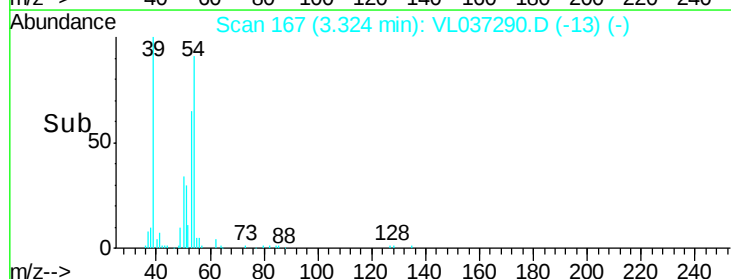
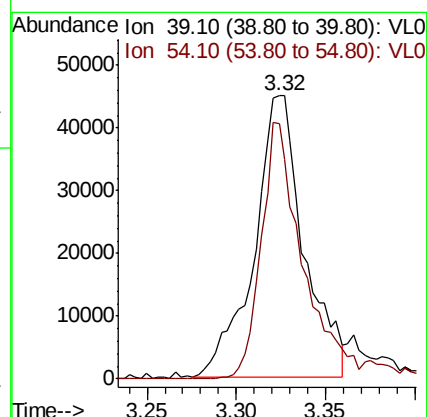
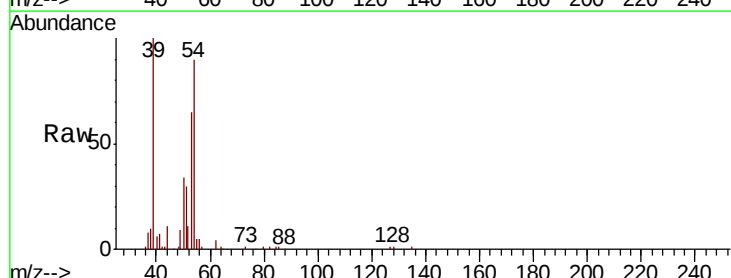
Manual Integrations
APPROVED

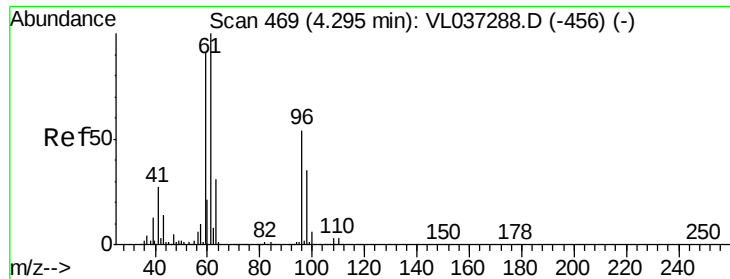
MMDadoda
8/2/2021 8:57:34 AM



#16
1,3-Butadiene
Concen: 1.046 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
39	100		
54	82.0	63.9	95.9





#17

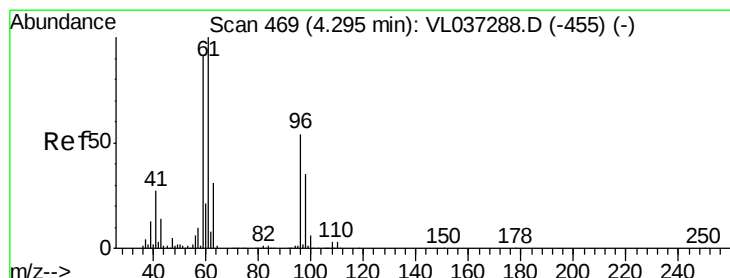
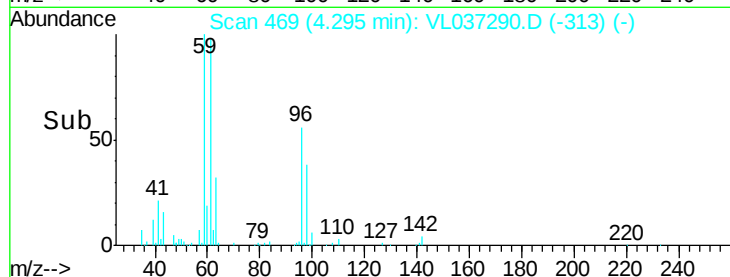
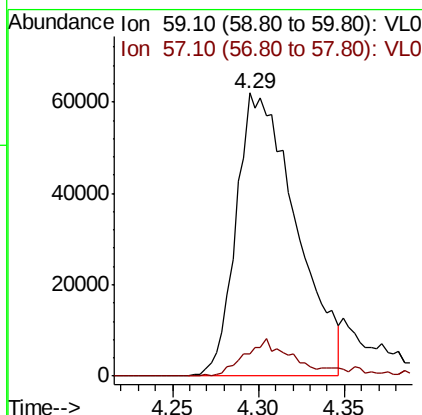
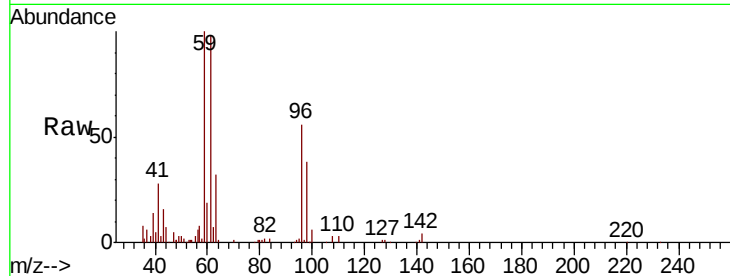
tert-Butyl alcohol
Concen: 1.140 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.00 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 59 Resp: 149724
Ion Ratio Lower Upper
59 100
57 12.8 8.6 13.0

Manual Integrations
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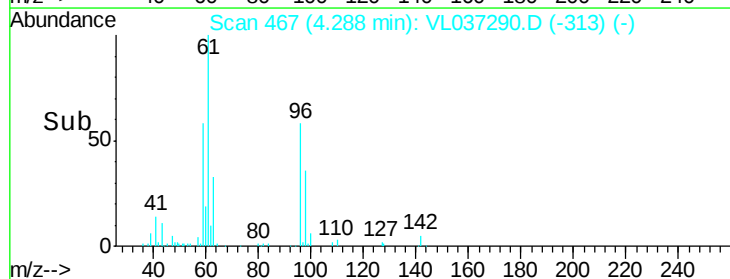
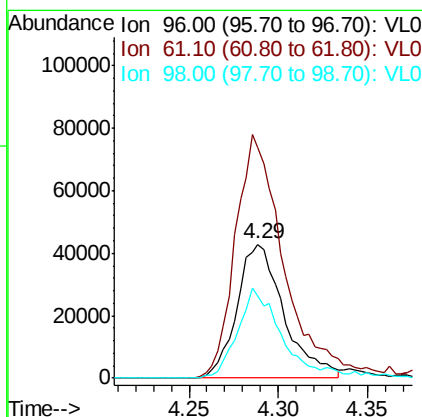
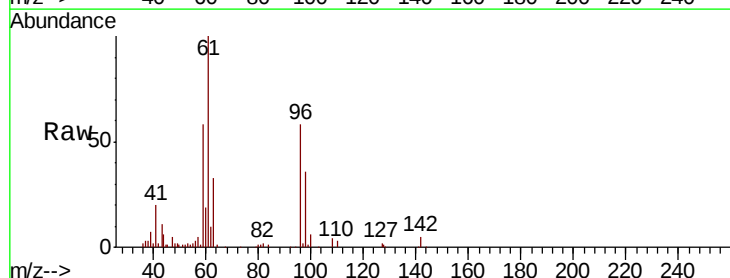
MMDadoda
8/2/2021 8:57:34 AM

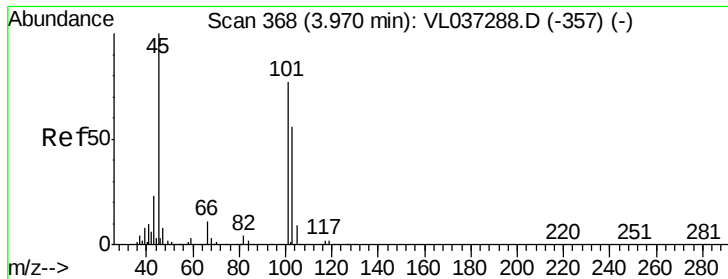


#18

1,1-Dichloroethene
Concen: 1.073 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion: 96 Resp: 78623
Ion Ratio Lower Upper
96 100
61 173.1 148.3 222.5
98 61.5 51.4 77.0





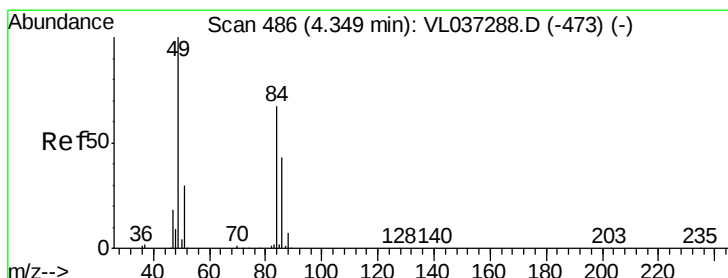
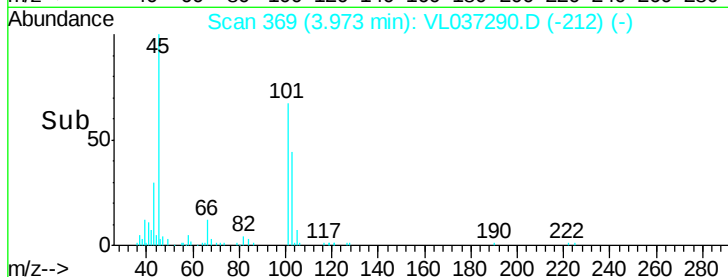
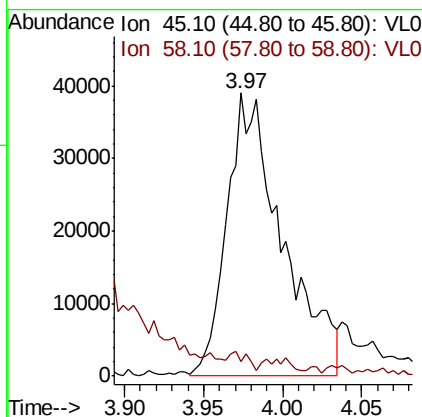
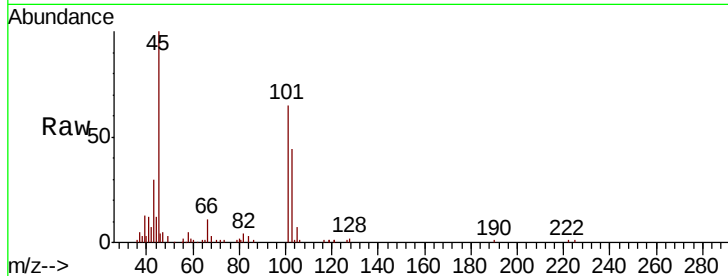
#19
Isopropyl Alcohol
Concen: 1.114 ppbv m
RT: 3.97 min Scan# 369
Delta R.T. 0.00 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 95491
Ion Ratio Lower Upper
45 100
58 6.2 2.2 3.2#

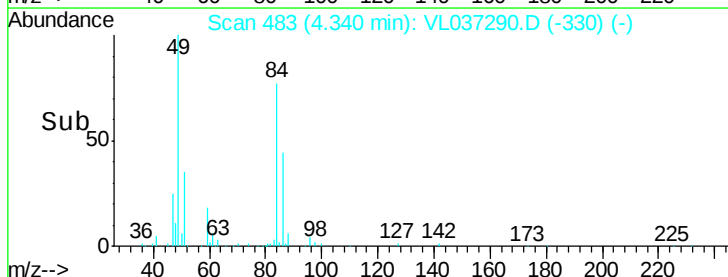
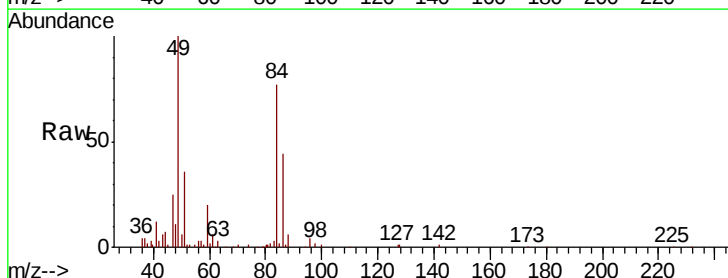
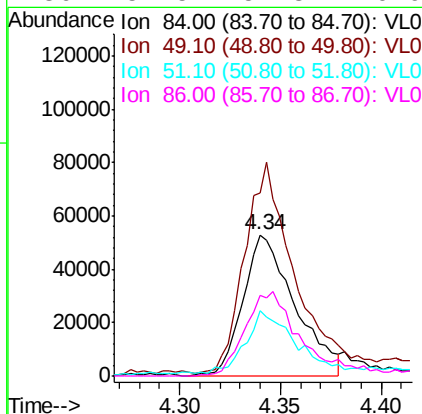
Manual Integrations
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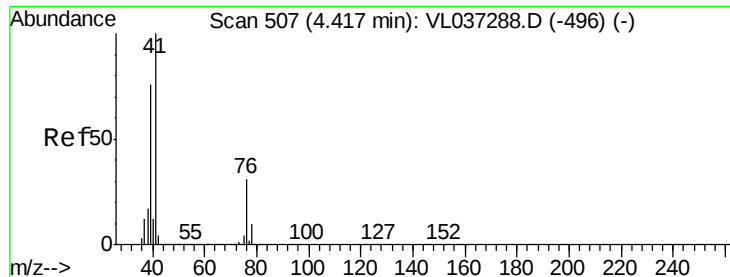
MMDadoda
8/2/2021 8:57:34 AM



#20
Methylene Chloride
Concen: 1.059 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion: 84 Resp: 94970
Ion Ratio Lower Upper
84 100
49 127.0 120.2 180.4
51 43.1 36.5 54.7
86 57.5 51.3 76.9





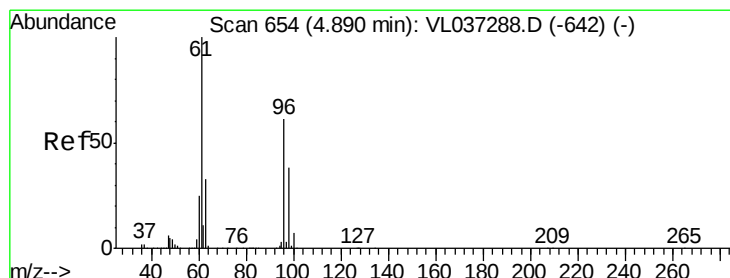
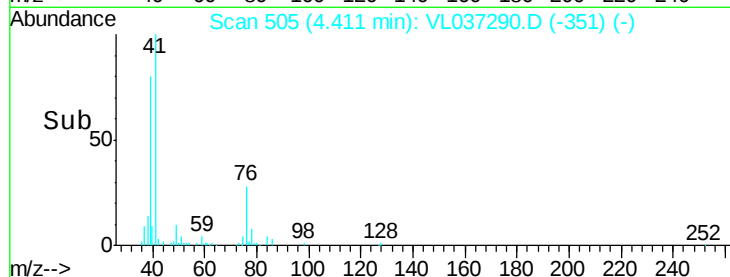
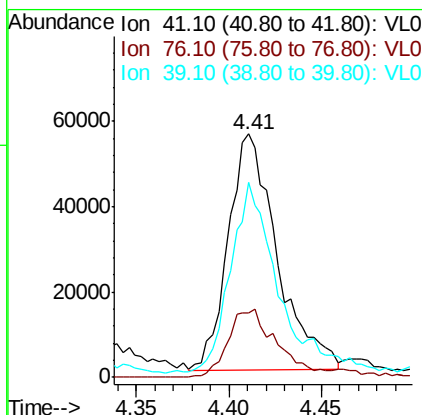
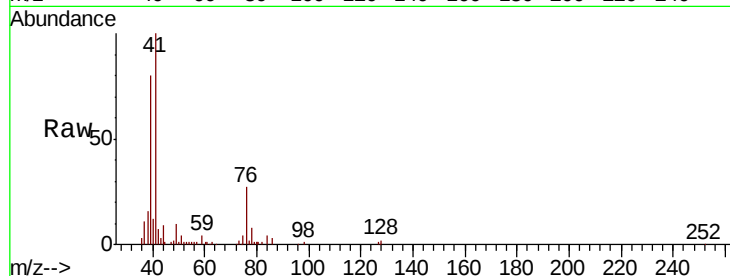
#21
Allvl Chloride
Concen: 0.949 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion:	41	Resp:	101611
Ion Ratio	Lower	Upper	
41	100		
76	30.9	24.7	37.1
39	86.4	64.5	96.7

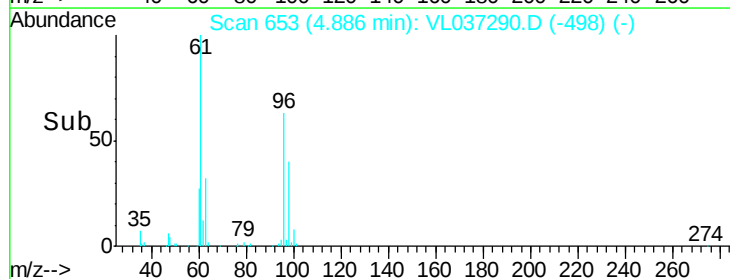
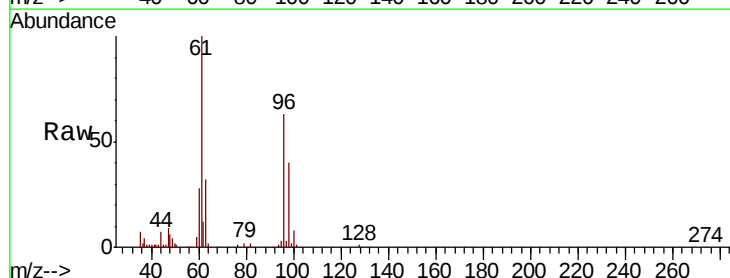
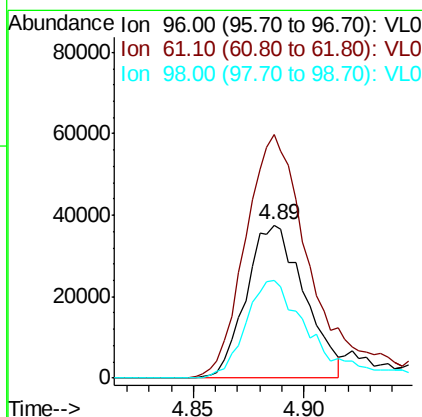
Manual Integrations
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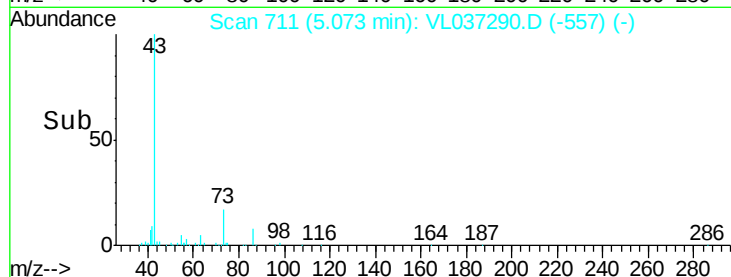
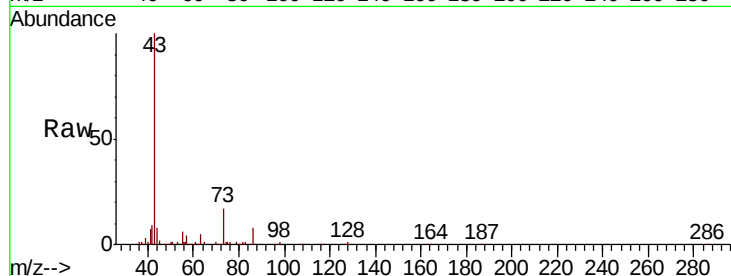
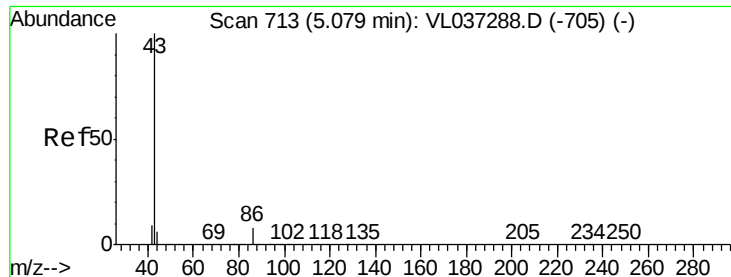
MMDadoda
8/2/2021 8:57:34 AM



#22
trans-1,2-Dichloroethene
Concen: 0.937 ppbv
RT: 4.89 min Scan# 653
Delta R.T. -0.00 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion:	96	Resp:	68528
Ion Ratio	Lower	Upper	
96	100		
61	158.5	131.1	196.7
98	64.1	49.9	74.9





#23

Vinyl Acetate

Concen: 1.182 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Tot Ion	43	Resp	235758
Ion Ratio	Lower	Upper	
43	100		
86	8.1	5.7	8.5
42	8.5	8.1	12.1
44	5.4	4.1	6.1

Instrument :

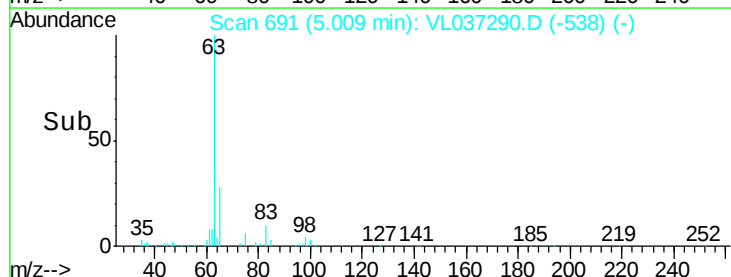
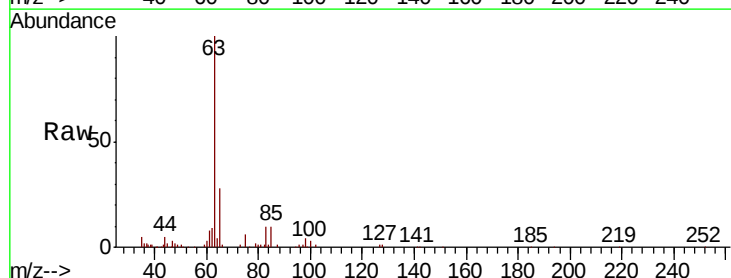
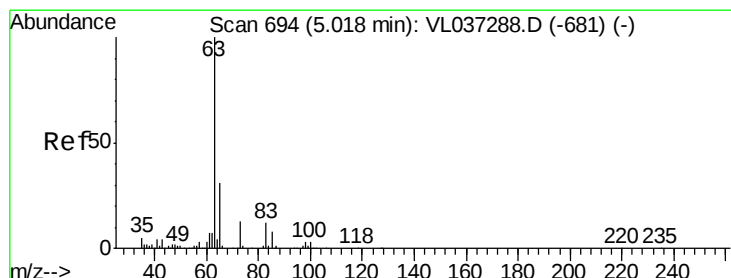
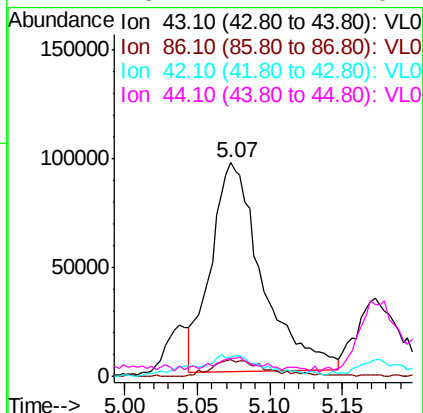
MSVOA_L

ClientSampleId :

VSTDIC001

Manual Integrations
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MMDadoda
8/2/2021 8:57:34 AM



#24

1,1-Dichloroethane

Concen: 1.052 ppbv

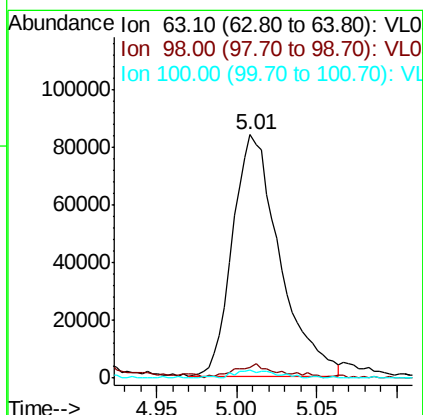
RT: 5.01 min Scan# 691

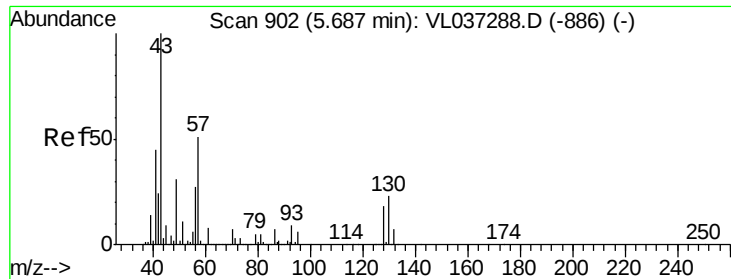
Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Tgt Ion	63	Resp	168691
Ion Ratio	Lower	Upper	
63	100		
98	3.3	2.0	5.8
100	3.4	1.4	4.2





#25

Ethyl Acetate

Concen: 1.097 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

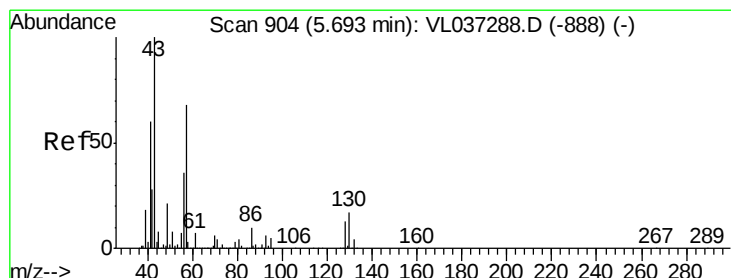
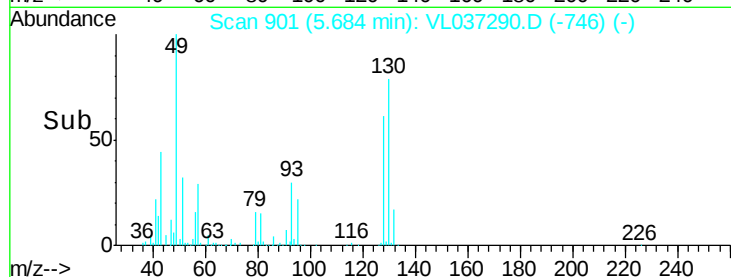
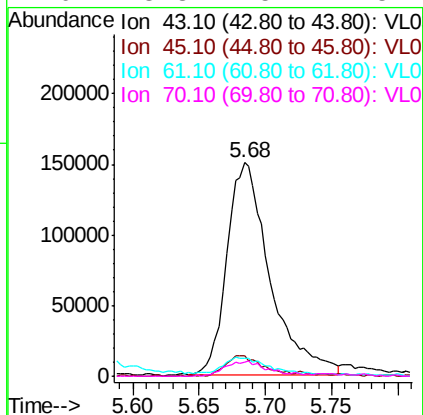
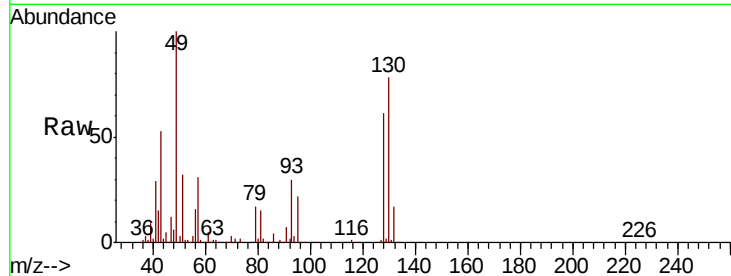
ClientSampleId :

VSTDIC001

Tot Ion	43	Resp	343783
Ion Ratio	Lower	Upper	
43	100		
45	8.9	7.4	11.2
61	9.9	7.8	11.6
70	8.3	5.4	8.2#

Manual Integrations
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MMDadoda
8/2/2021 8:57:34 AM



#26

Hexane

Concen: 1.141 ppbv

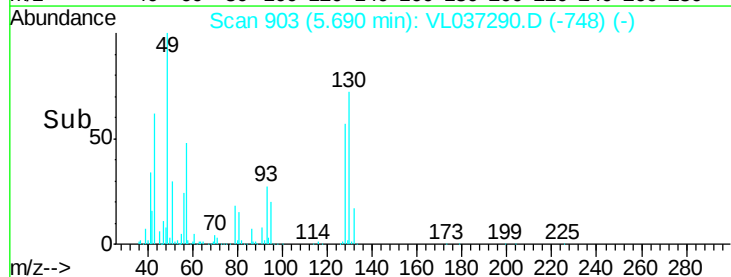
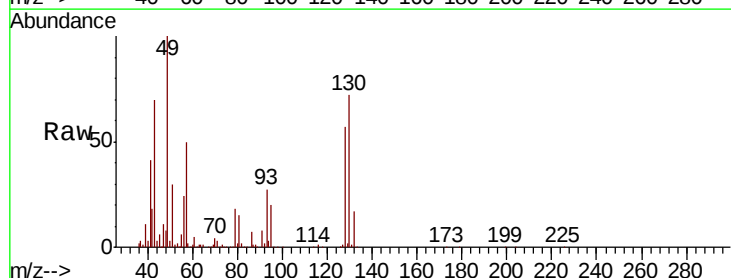
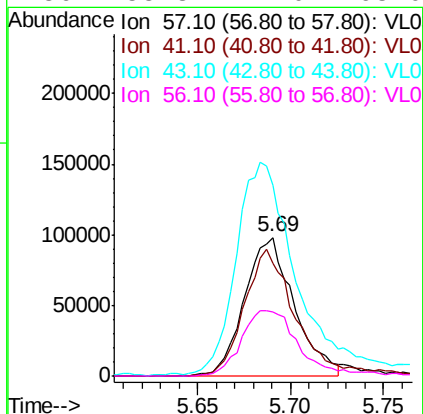
RT: 5.69 min Scan# 903

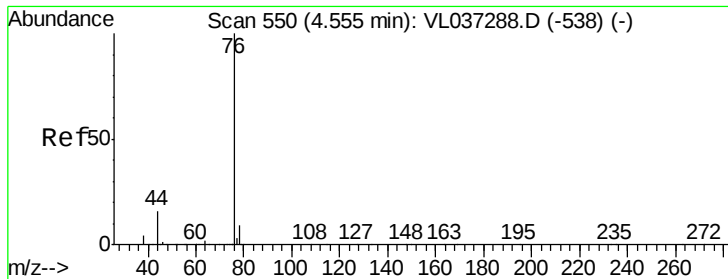
Delta R.T. -0.00 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Tgt Ion	57	Resp	183441
Ion Ratio	Lower	Upper	
57	100		
41	97.7	71.0	106.6
43	205.8	155.0	232.4
56	55.3	42.0	63.0





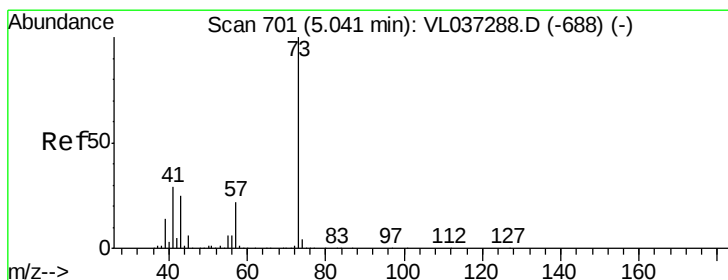
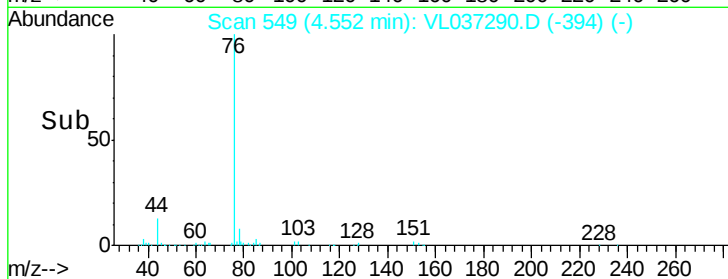
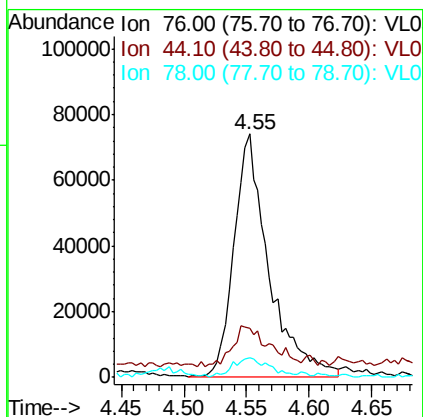
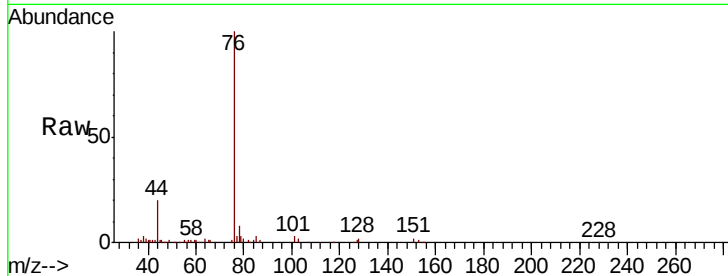
#27
Carbon Disulfide
Concen: 0.934 ppbv
RT: 4.55 min Scan# 549
Delta R.T. -0.00 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
44	17.6	14.1	21.1
78	9.4	8.0	12.0

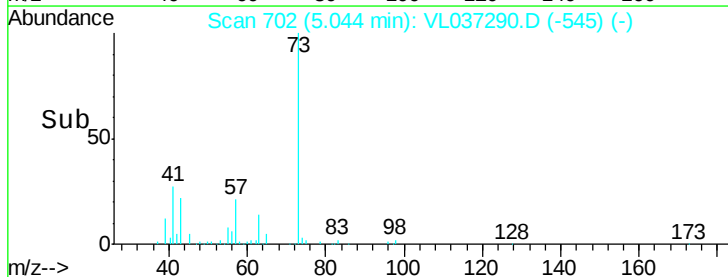
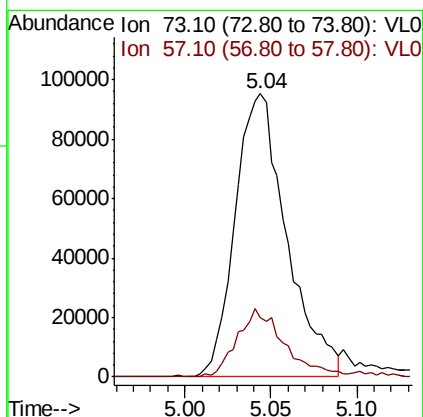
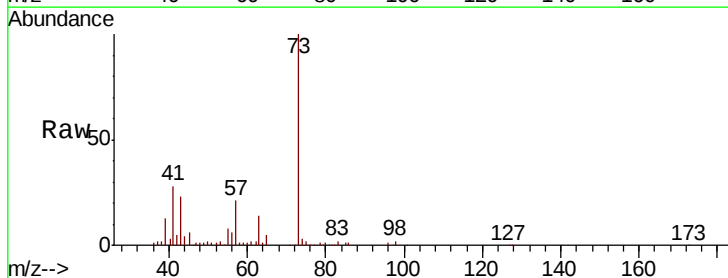
Manual Integrations
APPROVED

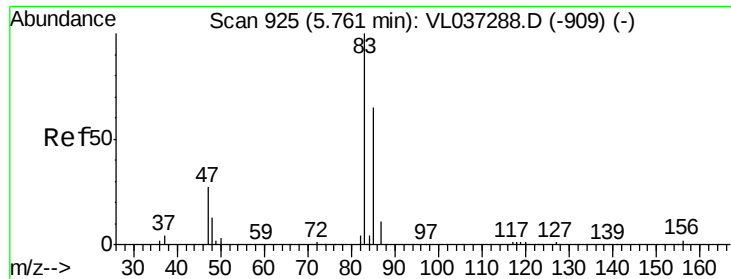
MMDadoda
8/2/2021 8:57:34 AM



#28
Methyl tert-Butyl Ether
Concen: 1.100 ppbv
RT: 5.04 min Scan# 702
Delta R.T. 0.00 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.0	28.6





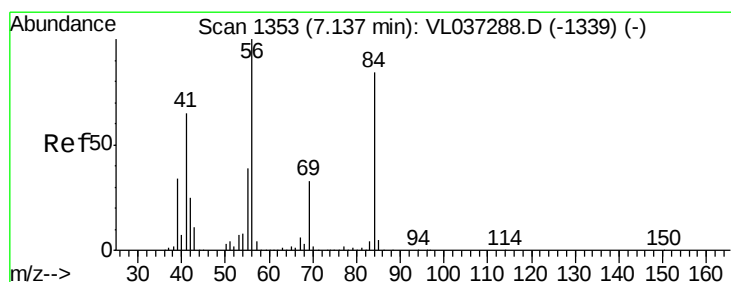
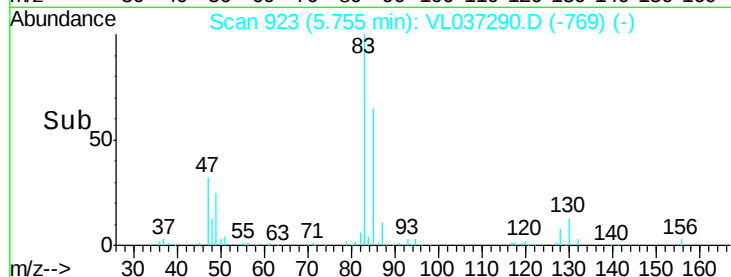
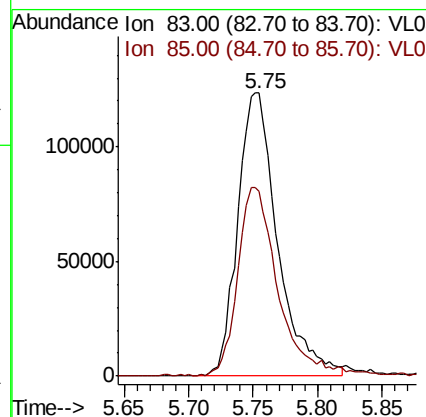
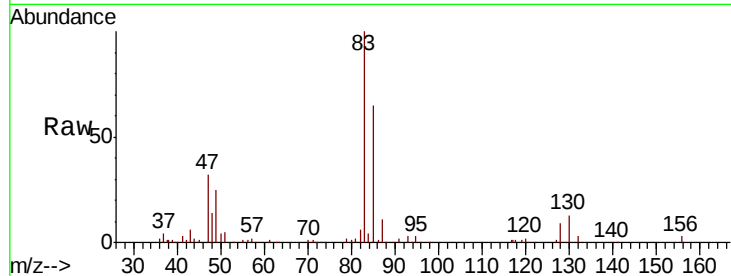
#29
Chloroform
Concen: 1.103 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	85	Ratio	Lower	Upper
266058	100	64.9		51.9	77.9

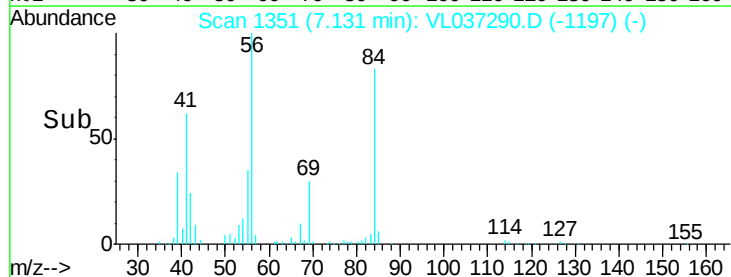
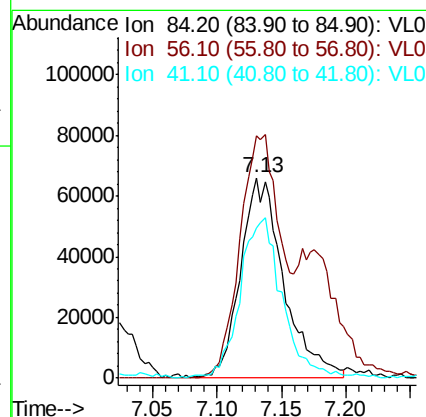
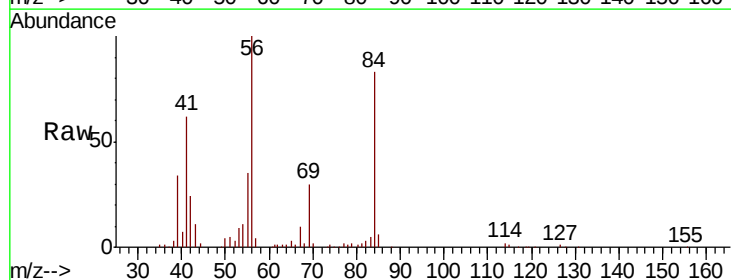
Manual Integrations
APPROVED

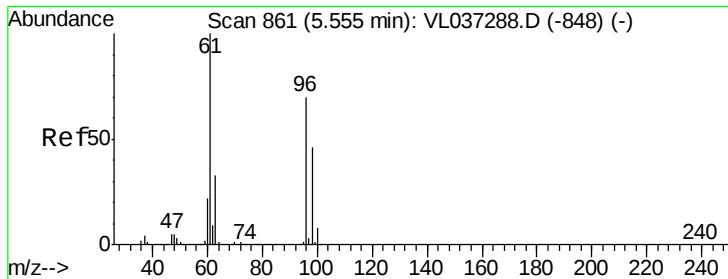
MMDadoda
8/2/2021 8:57:34 AM



#30
Cyclohexane
Concen: 1.167 ppbv m
RT: 7.13 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion	84	56	41	Ratio	Lower	Upper
153520	100	0.0	0.0		104.1	156.1#
					64.7	97.1#





#31

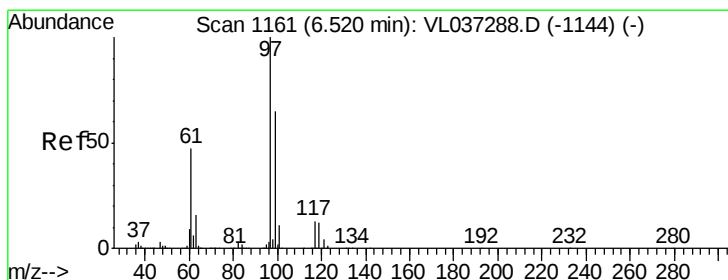
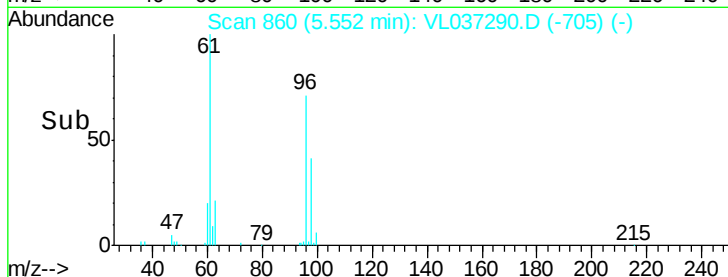
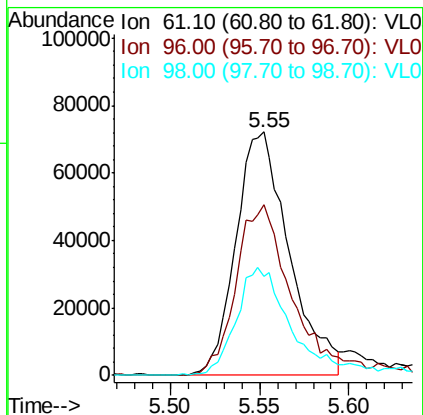
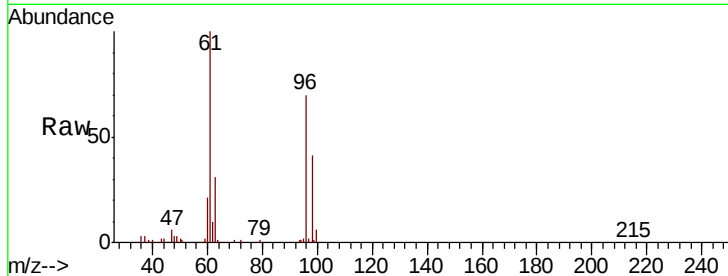
cis-1,2-Dichloroethene
Concen: 1.043 ppbv
RT: 5.55 min Scan# 860
Delta R.T. -0.00 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
61	100		
96	70.0	55.9	83.9
98	40.8	37.1	55.7

Manual Integrations
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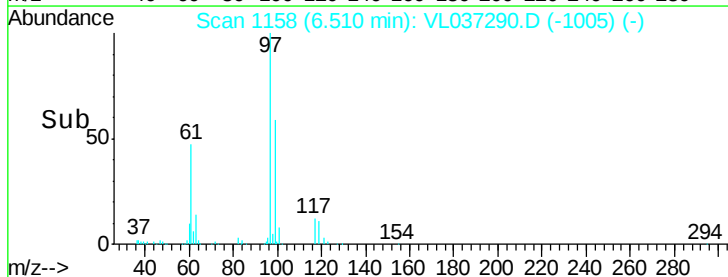
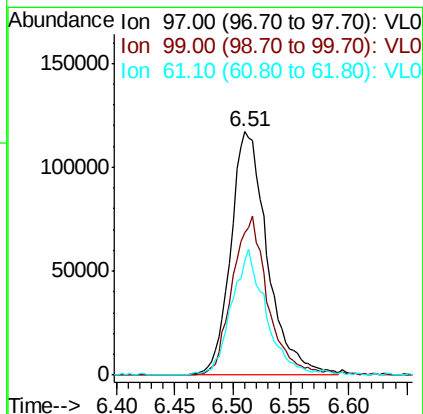
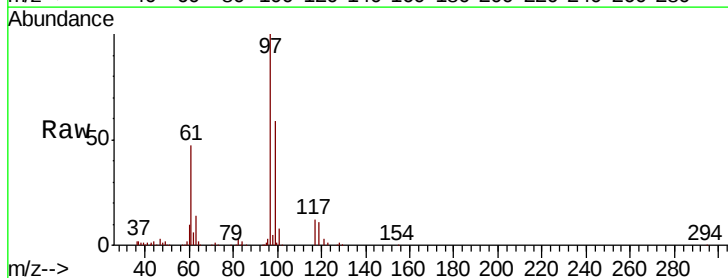
MMDadoda
8/2/2021 8:57:34 AM

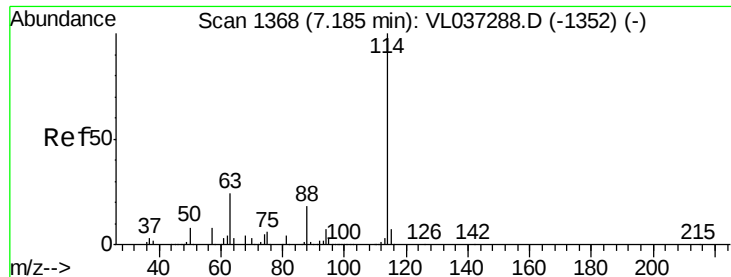


#32

1,1,1-Trichloroethane
Concen: 1.000 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.5	78.7
61	49.2	38.2	57.4





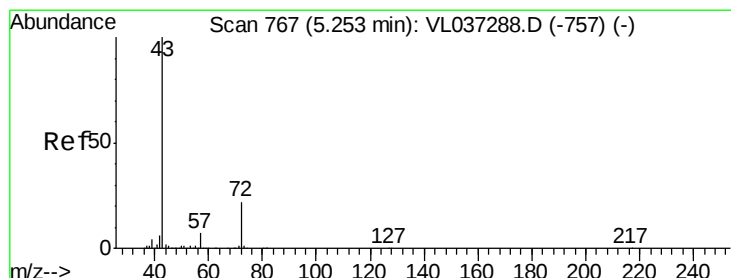
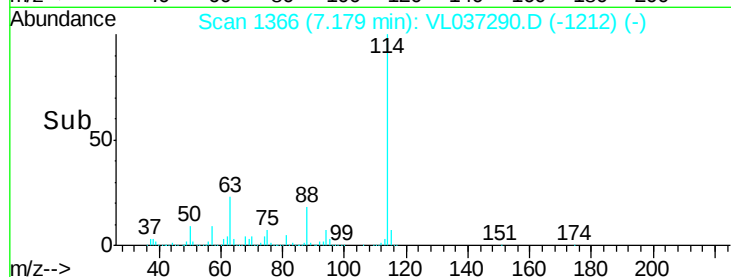
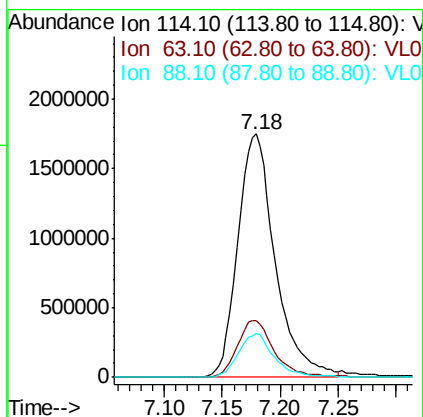
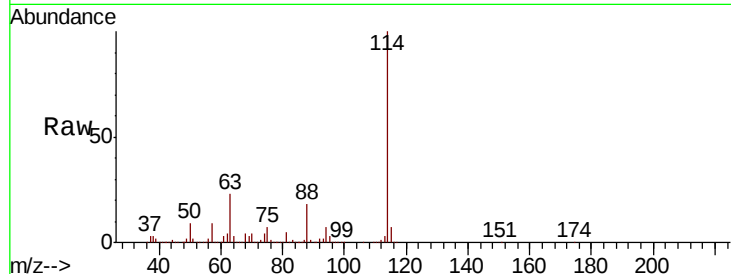
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.6	19.0	28.4
88	17.7	14.0	21.0

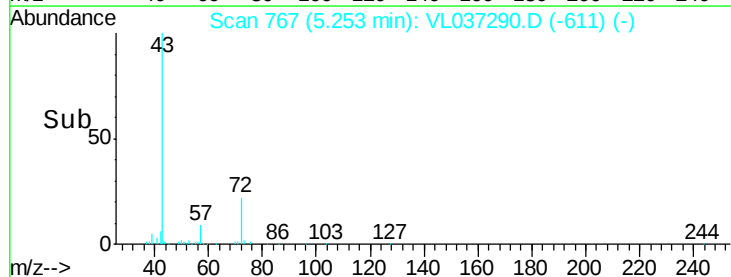
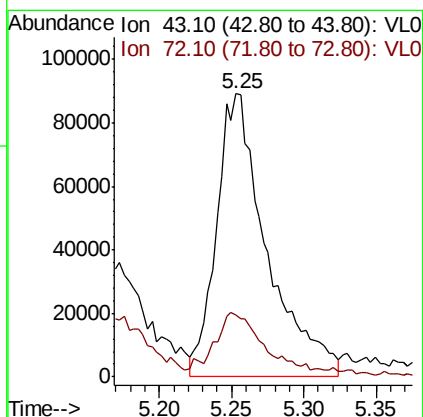
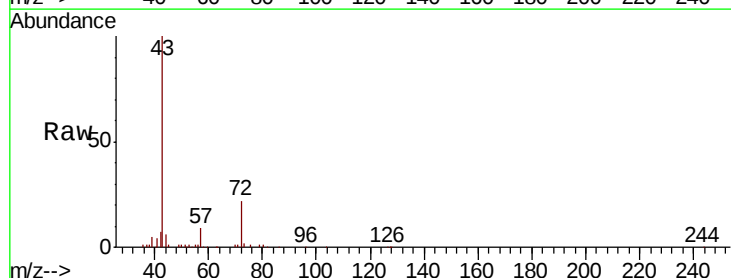
Manual Integrations
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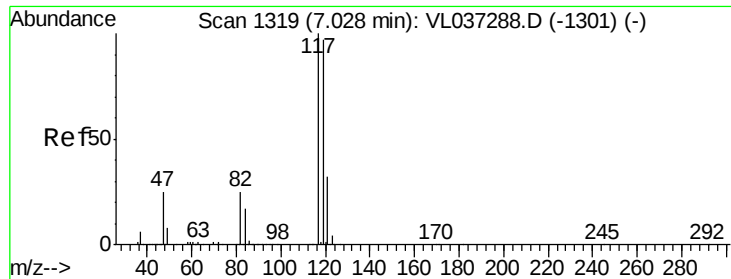
MMDadoda
 8/2/2021 8:57:34 AM



#34
 2-Butanone
 Concen: 1.419 ppbv m
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.5	27.7#





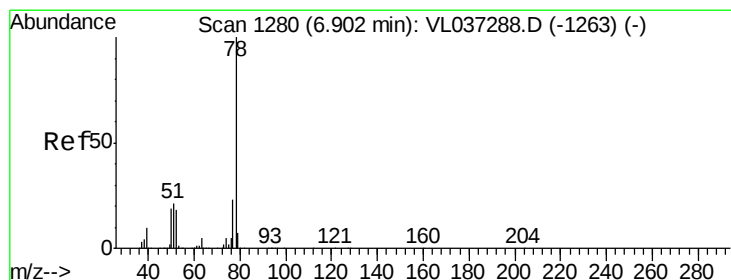
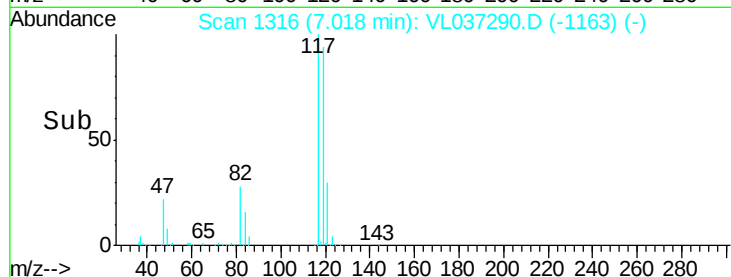
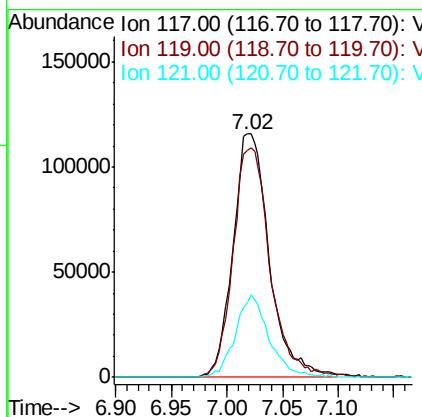
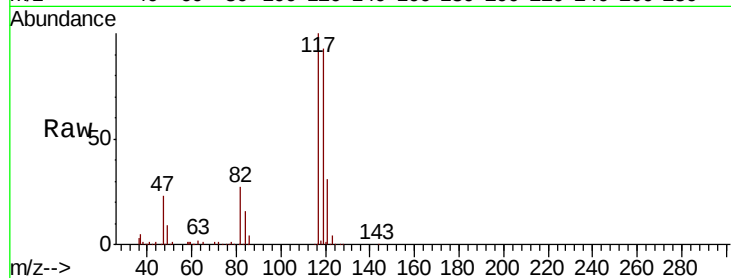
#35
Carbon Tetrachloride
Concen: 1.010 ppbv m
RT: 7.02 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.4	116.2
121	30.6	25.8	38.8

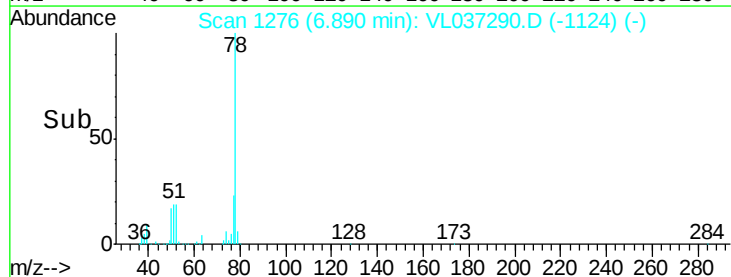
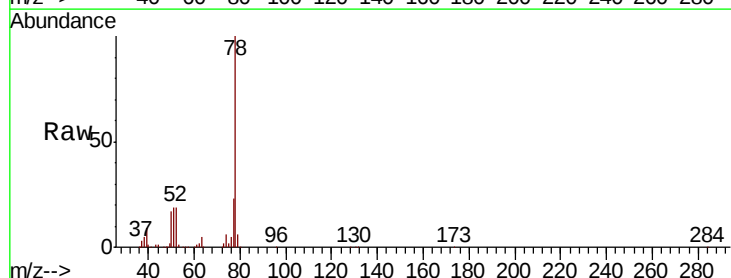
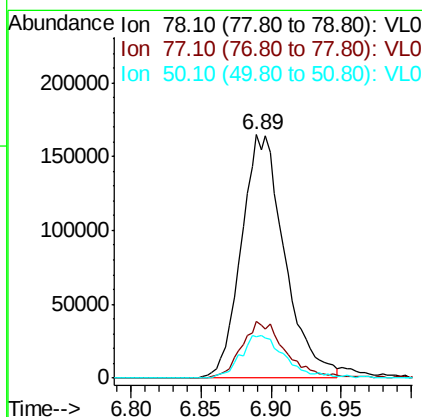
Manual Integrations
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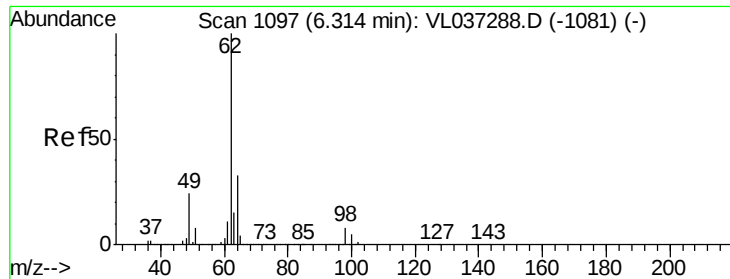
MMDadoda
8/2/2021 8:57:34 AM



#36
Benzene
Concen: 1.117 ppbv m
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.3	27.5
50	17.1	15.5	23.3





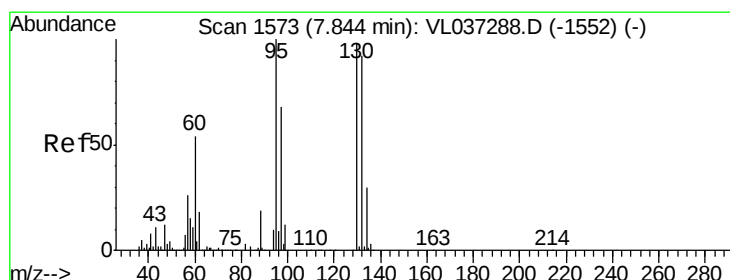
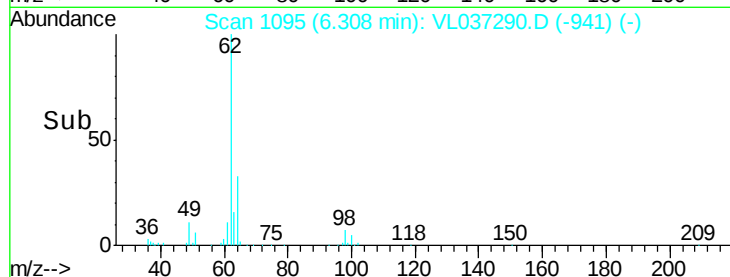
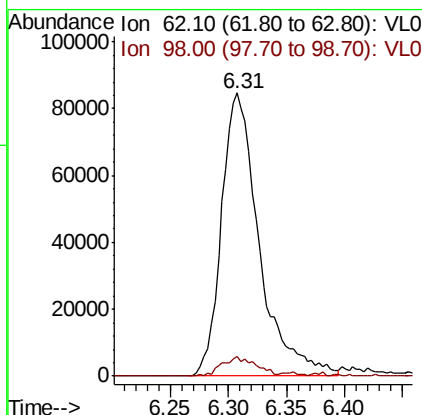
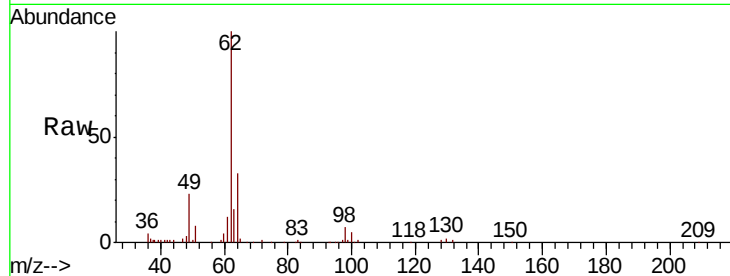
#37
1,2-Dichloroethane
Concen: 1.048 ppbv
RT: 6.31 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	191081		
98	7.1	5.8	8.6	

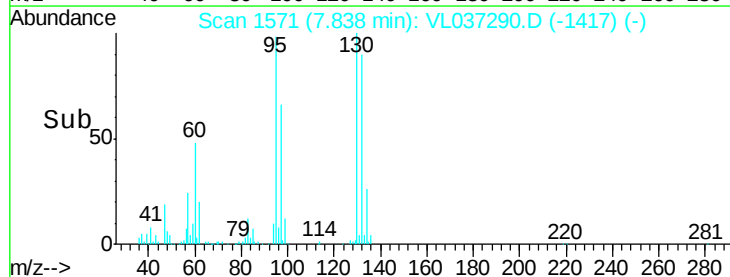
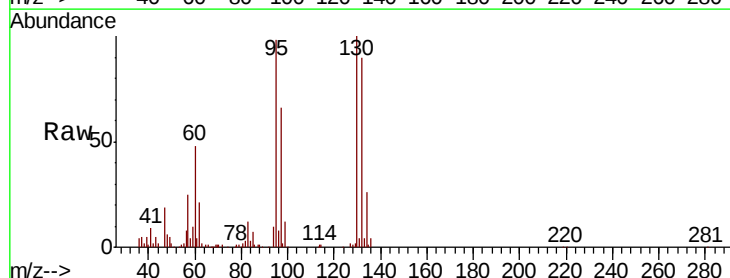
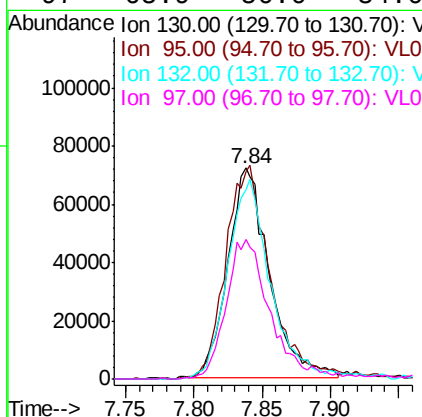
Manual Integrations
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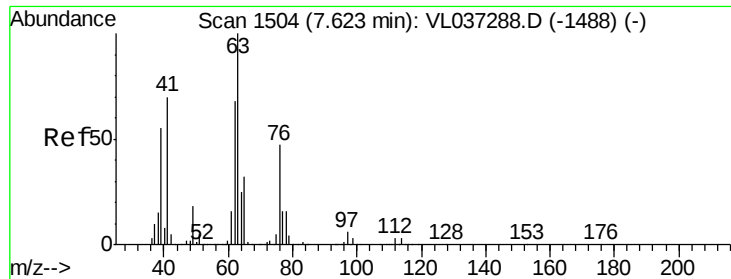
MMDadoda
8/2/2021 8:57:34 AM



#38
Trichloroethene
Concen: 1.007 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	153032		
95	97.7	82.0	123.0	
132	90.0	75.0	112.6	
97	65.9	56.0	84.0	





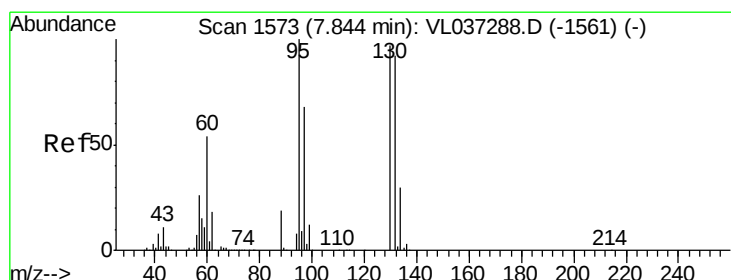
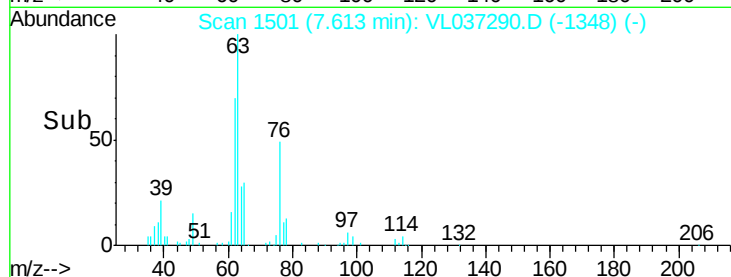
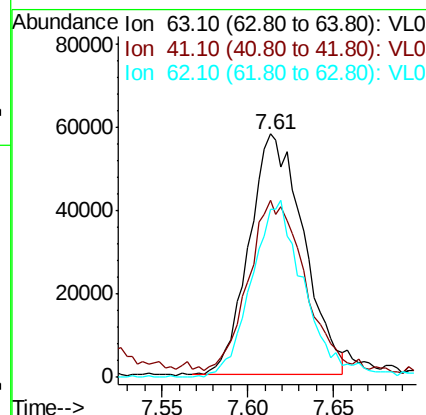
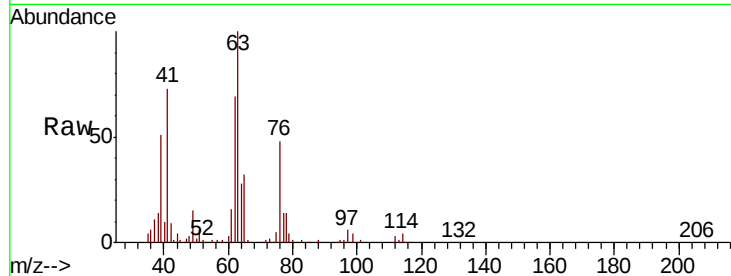
#39
 1,2-Dichloropropane
 Concen: 1.079 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	70.3	56.4	84.6
62	70.0	54.6	82.0

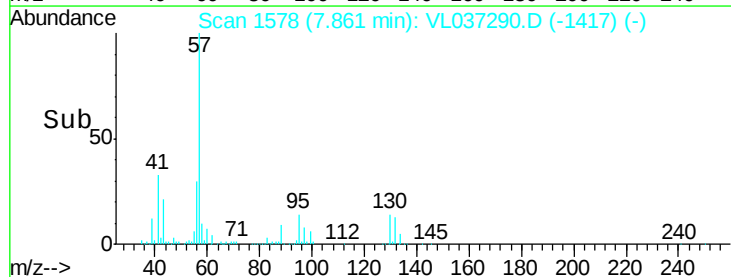
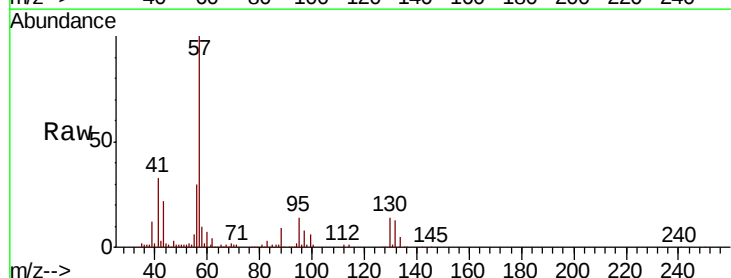
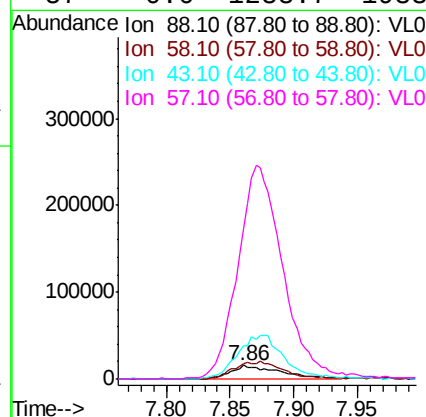
Manual Integrations
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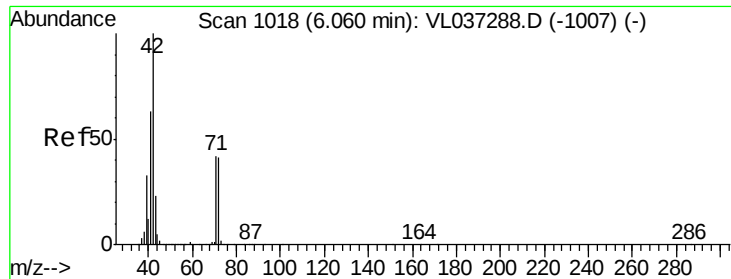
MMDadoda
 8/2/2021 8:57:34 AM



#40
 1,4-Dioxane
 Concen: 1.317 ppbv m
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.02 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	119.2	178.8#
43	0.0	282.2	423.2#
57	0.0	1288.7	1933.1#





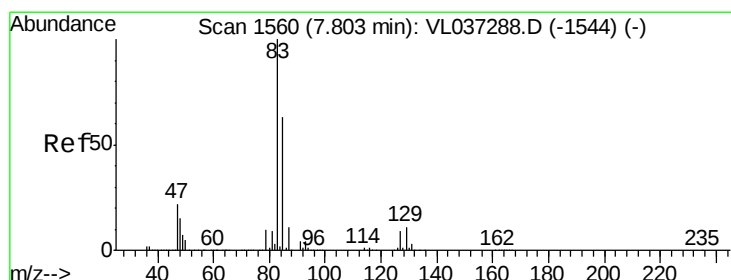
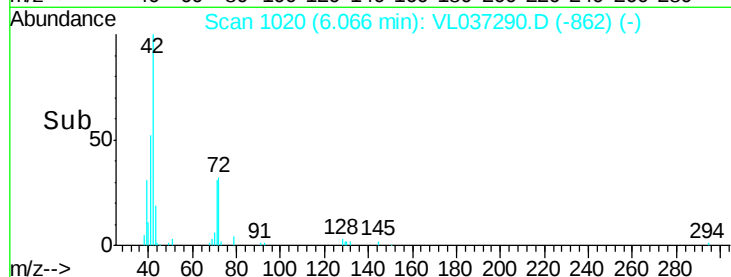
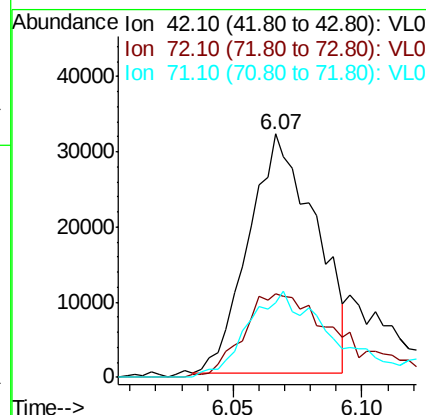
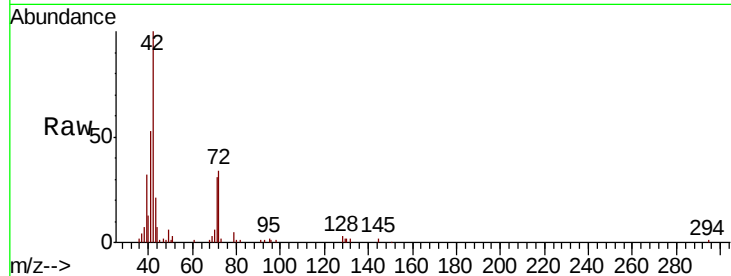
#41
Tetrahydrofuran
Concen: 0.812 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.8	33.0	49.6#
71	52.6	32.7	49.1#

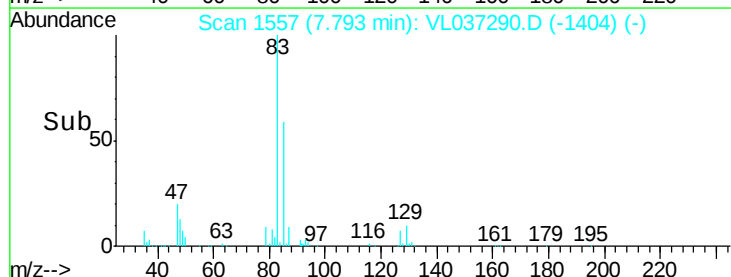
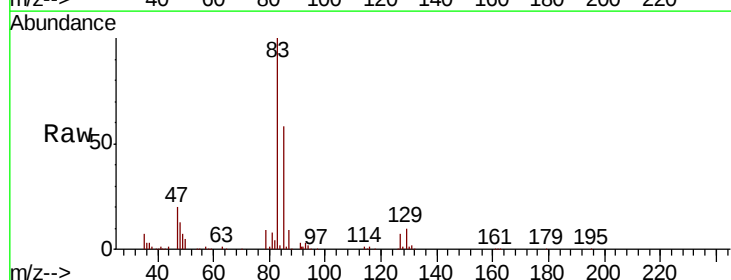
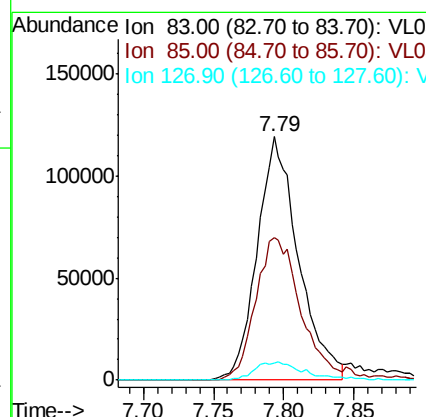
Manual Integrations
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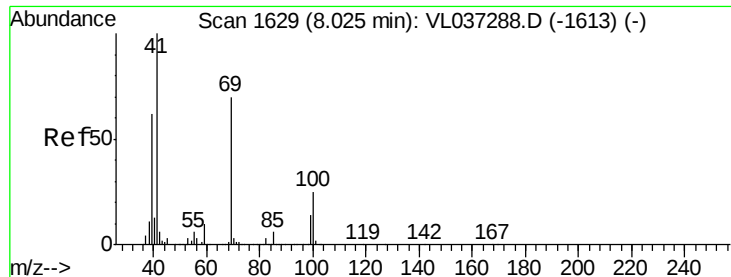
MMDadoda
8/2/2021 8:57:34 AM



#42
Bromodichloromethane
Concen: 0.971 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.5	50.5	75.7
127	6.8	7.0	10.6#





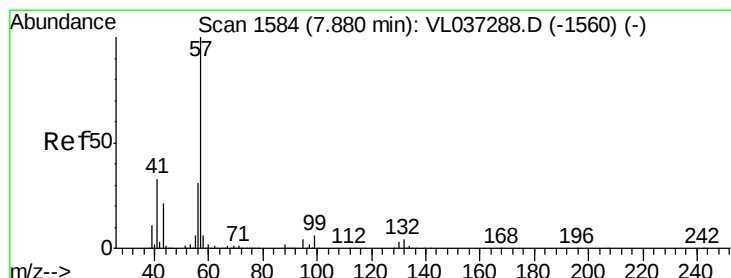
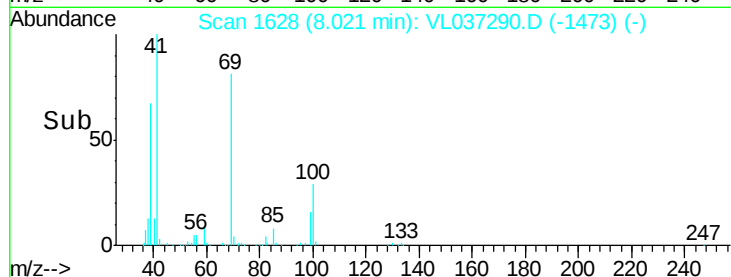
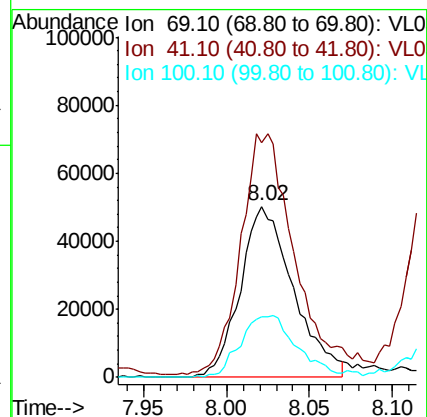
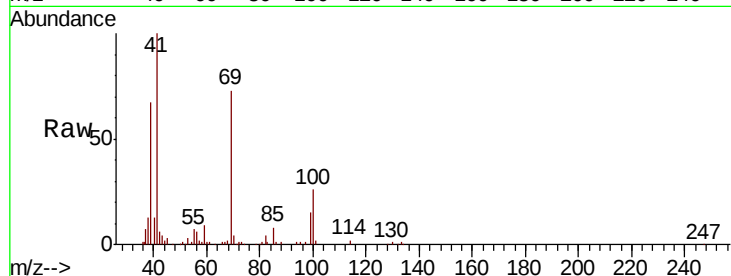
#43
Methvl Methacrylate
Concen: 1.025 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	146.9	116.5	174.7
100	39.3	28.7	43.1

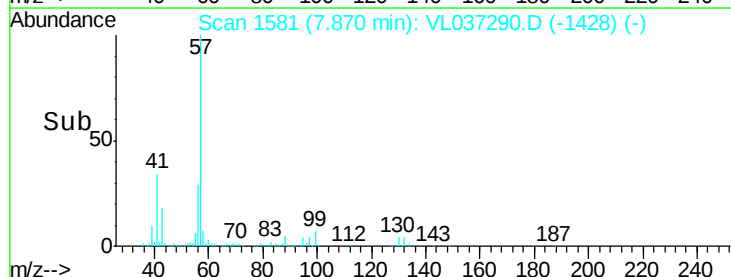
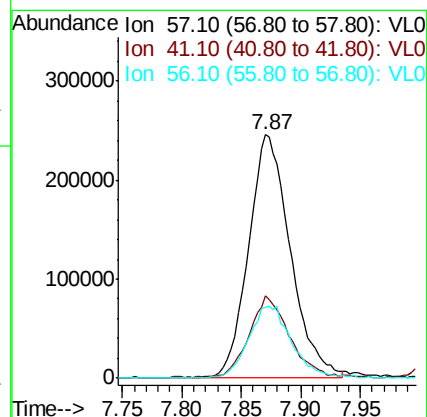
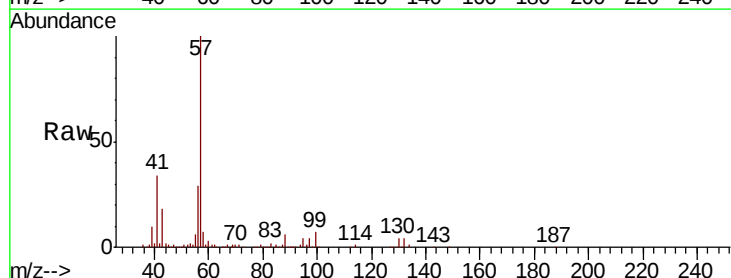
Manual Integrations
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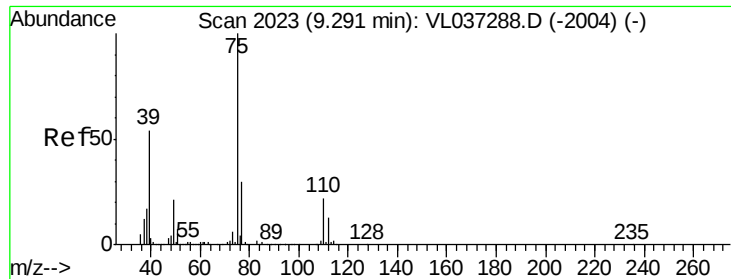
MMDadoda
8/2/2021 8:57:34 AM



#44
2,2,4-Trimethylpentane
Concen: 1.116 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.4	26.6	40.0
56	31.0	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 0.846 ppbv m

RT: 9.28 min Scan# 2020

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 80552

Ion Ratio Lower Upper

75 100

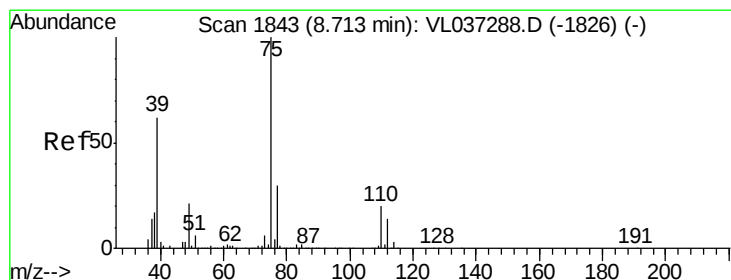
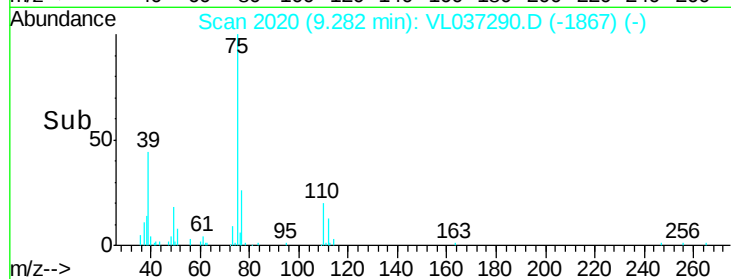
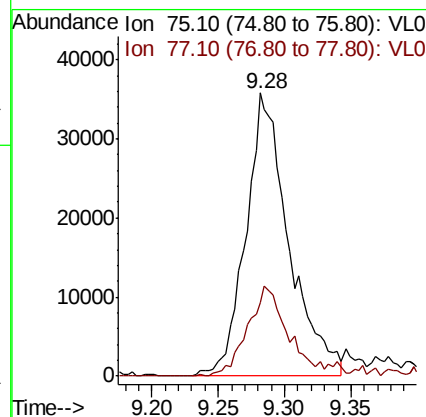
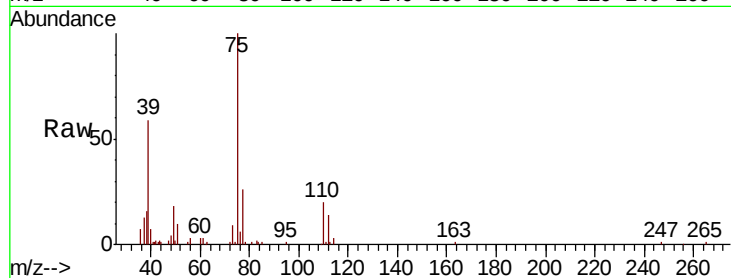
77 26.0 24.3 36.5

Manual Integrations

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#46

cis-1,3-Dichloropropene

Concen: 0.868 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

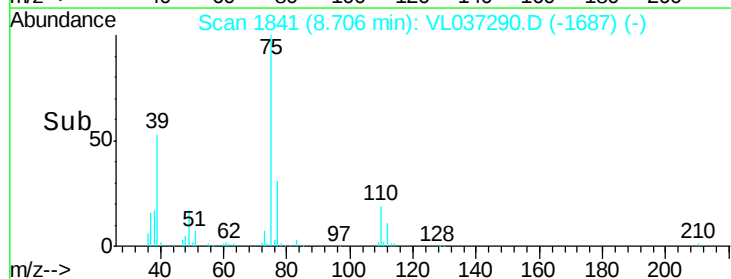
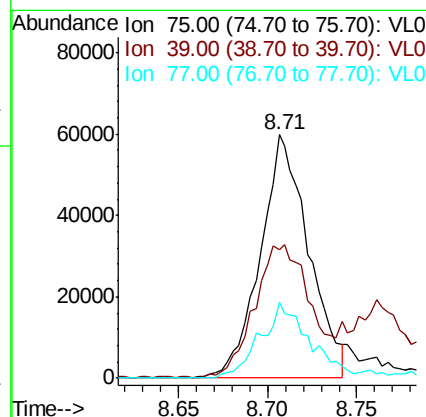
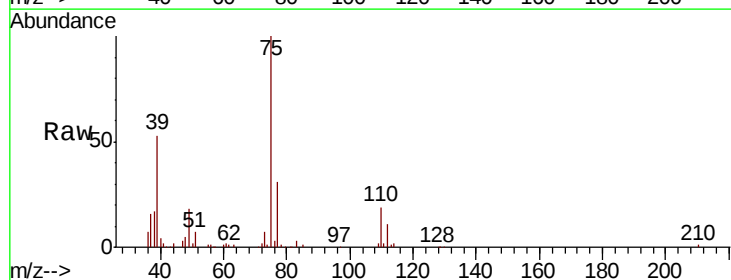
Tgt Ion: 75 Resp: 113441

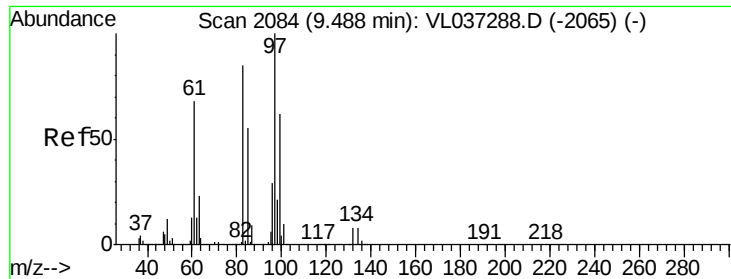
Ion Ratio Lower Upper

75 100

39 52.4 49.8 74.6

77 31.3 24.3 36.5





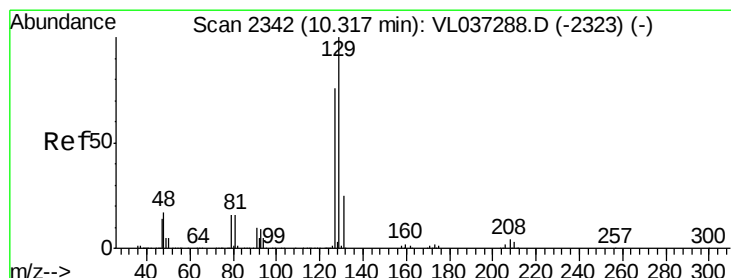
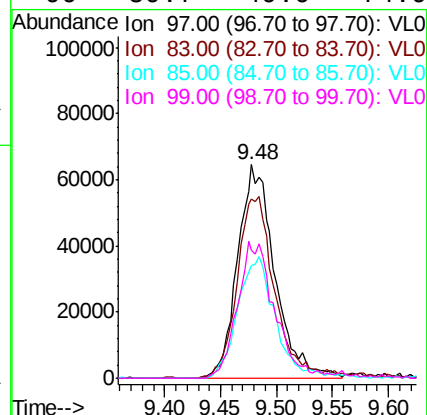
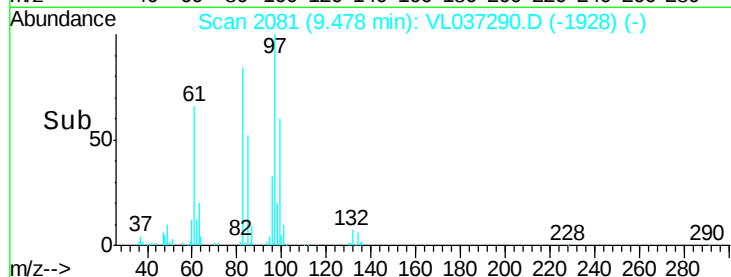
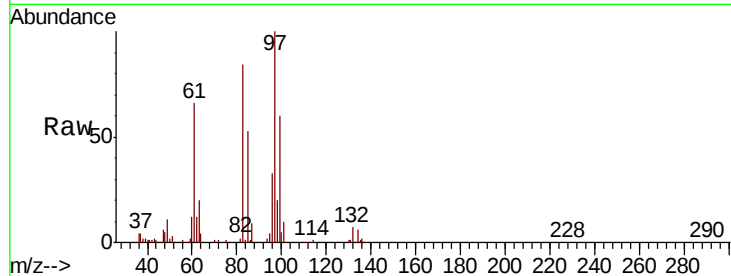
#47
 1,1,2-Trichloroethane
 Concen: 1.102 ppbv m
 RT: 9.48 min Scan# 2081
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	84.0	67.7	101.5	
85	52.6	43.8	65.6	
99	59.7	49.9	74.9	

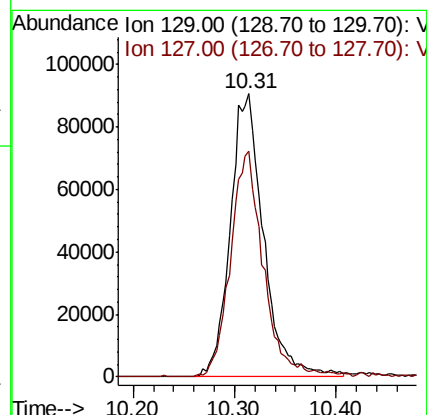
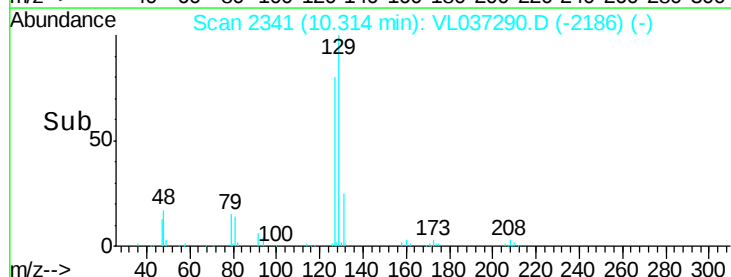
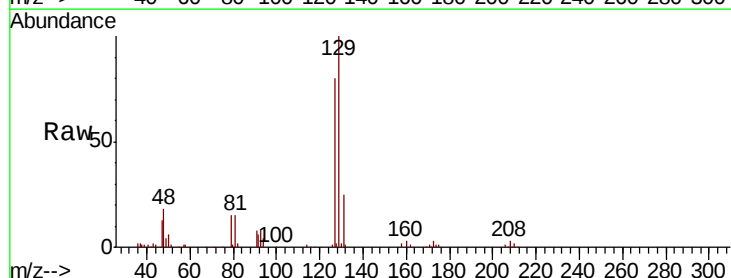
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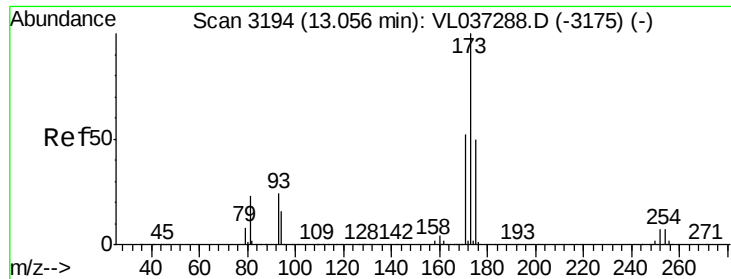
MMDadoda
 8/2/2021 8:57:34 AM



#48
 Dibromochloromethane
 Concen: 0.972 ppbv m
 RT: 10.31 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	0.0	39.5	118.3	





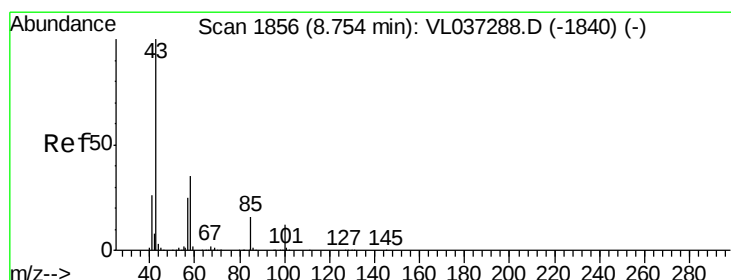
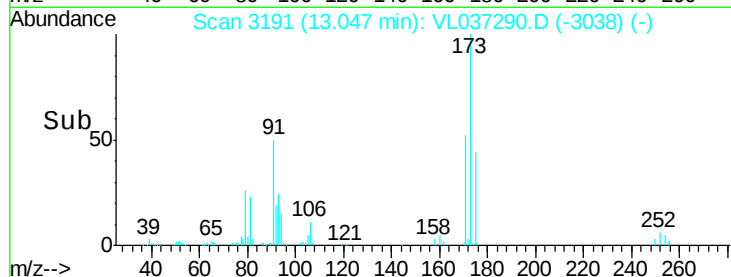
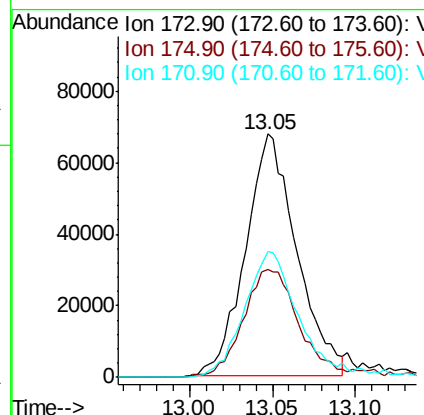
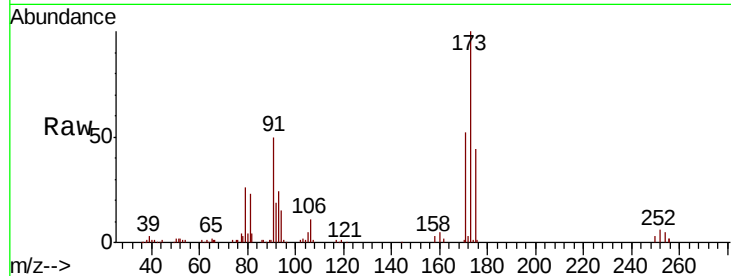
#49
Bromoform
Concen: 0.903 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.8	40.4	60.6
171	57.5	43.3	64.9

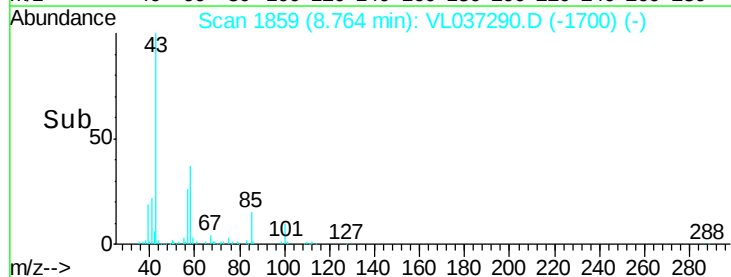
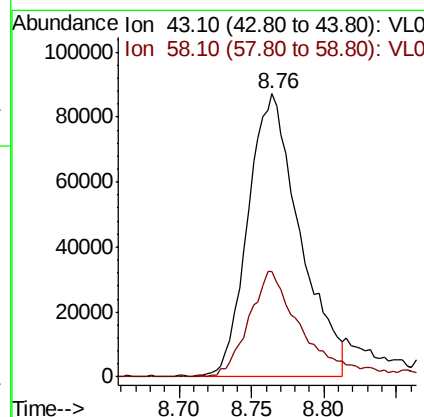
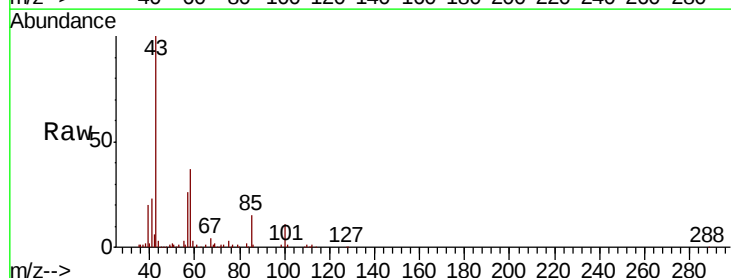
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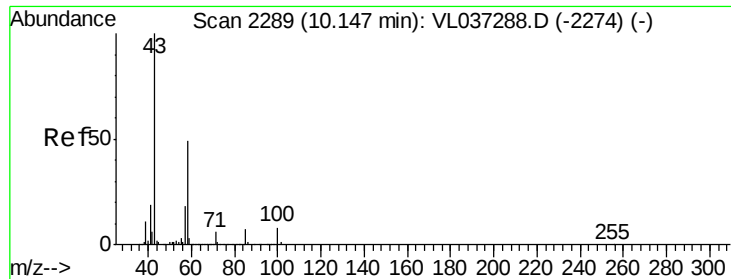
MMDadoda
8/2/2021 8:57:34 AM



#50
4-Methyl-2-Pentanone
Concen: 1.041 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.1	29.2	43.8





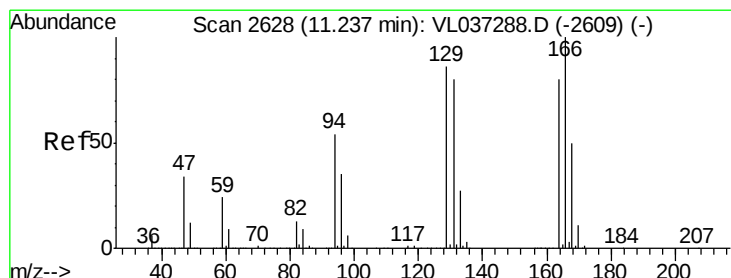
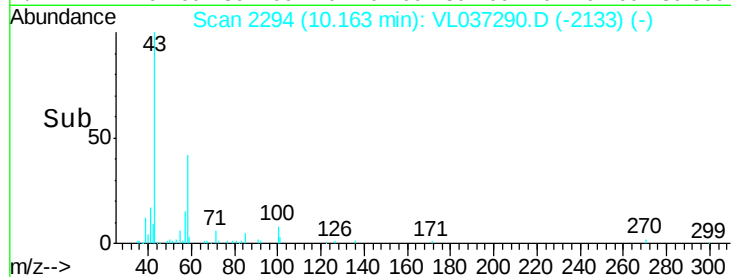
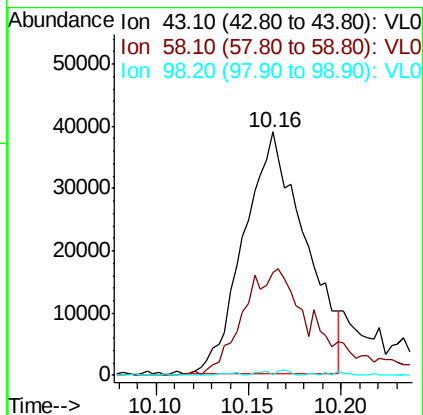
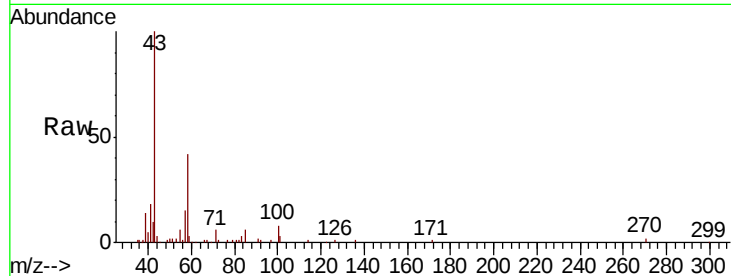
#51
2-Hexanone
Concen: 0.881 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.02 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.9	39.0	58.4
98	1.1	0.4	0.6

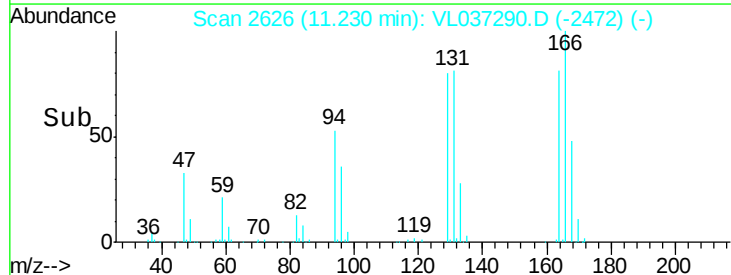
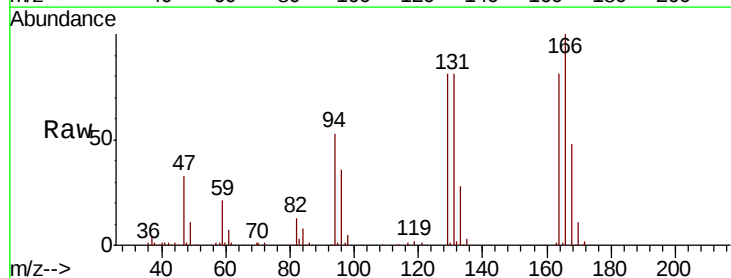
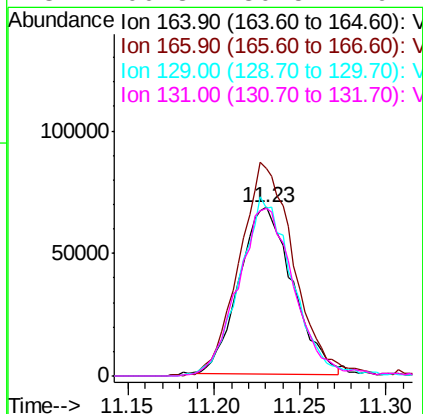
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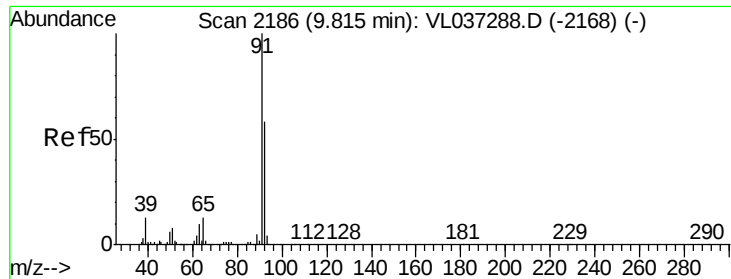
MMDadoda
8/2/2021 8:57:34 AM



#52
Tetrachloroethene
Concen: 1.001 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.7	100.4	150.6
129	98.9	86.2	129.4
131	100.3	80.5	120.7





#53

Toluene

Concen: 1.099 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 418616

Ion Ratio Lower Upper

91 100

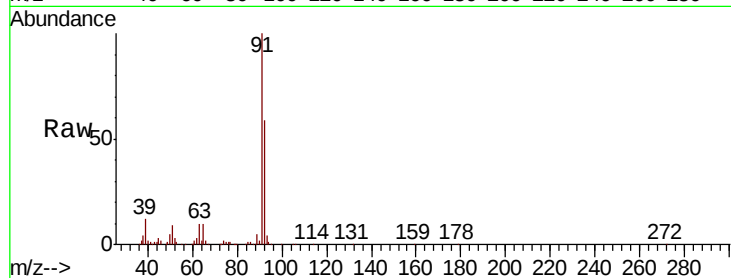
92 58.6 48.2 72.2

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.81

200000

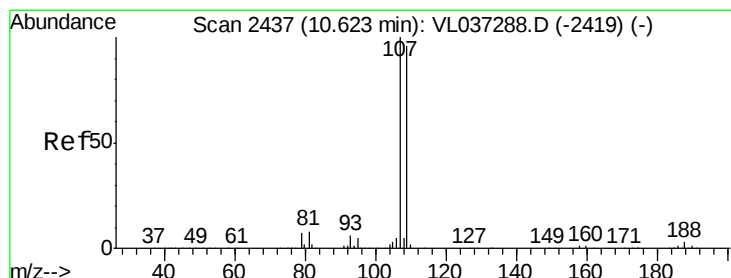
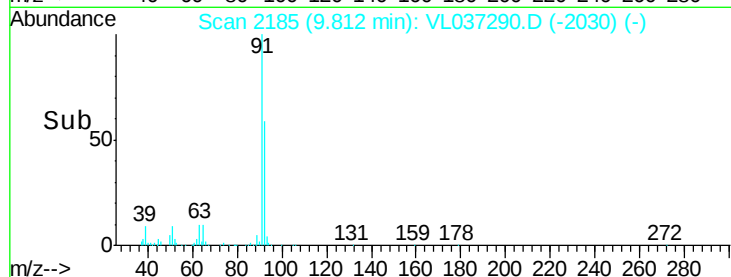
150000

100000

50000

0

Time--> 9.70 9.75 9.80 9.85 9.90



#54

1,2-Dibromoethane

Concen: 1.054 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.01 min

Lab File: VL037290.D

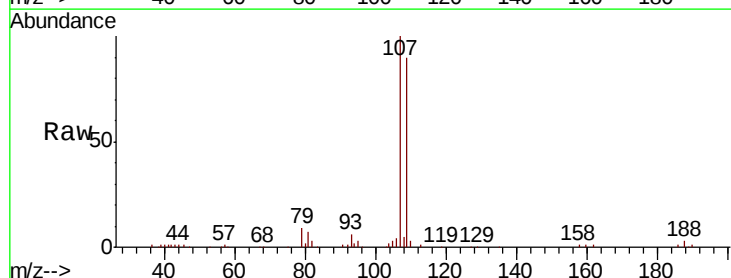
Acq: 30 Jul 2021 18:36

Tgt Ion: 107 Resp: 204072

Ion Ratio Lower Upper

107 100

109 89.9 77.0 115.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.62

100000

80000

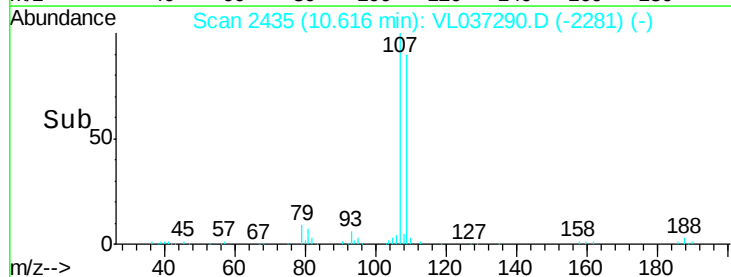
60000

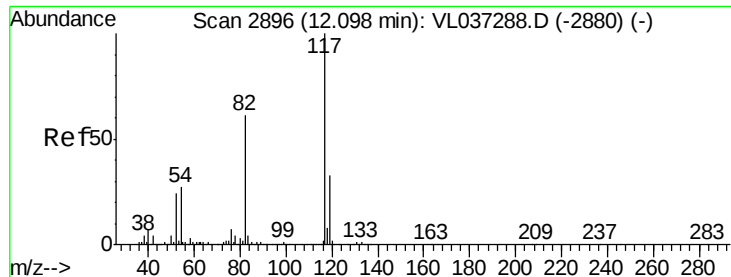
40000

20000

0

Time--> 10.55 10.60 10.65 10.70





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

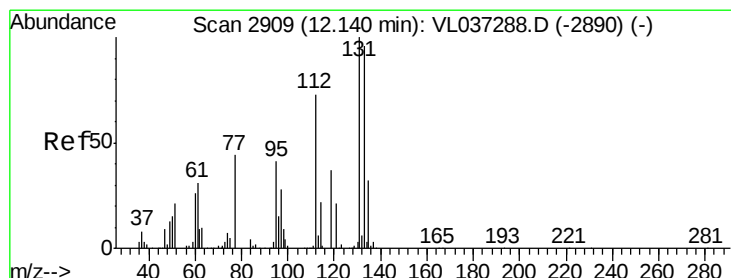
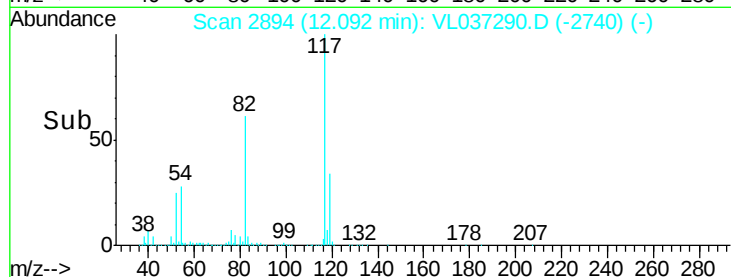
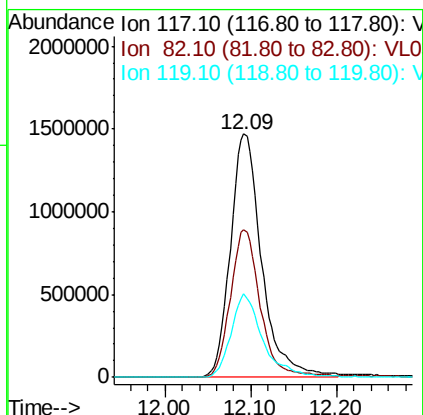
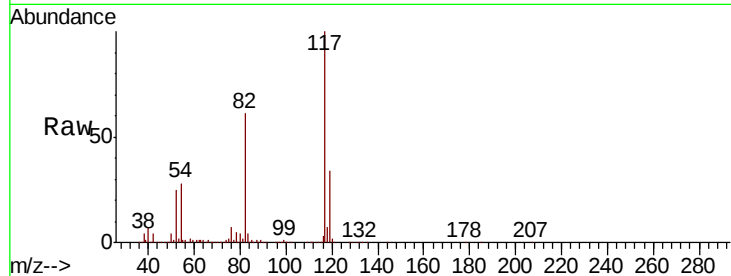
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.2	70.8
119	35.2	45.8	68.8#

Manual Integrations
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8/2/2021 8:57:34 AM



#56

1,1,1,2-Tetrachloroethane

Concen: 1.077 ppbv

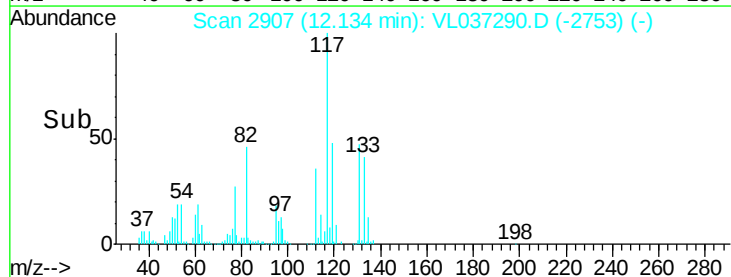
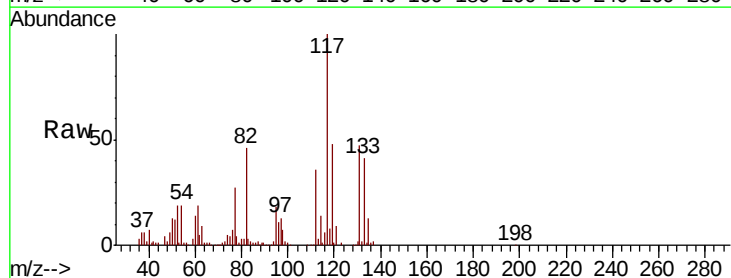
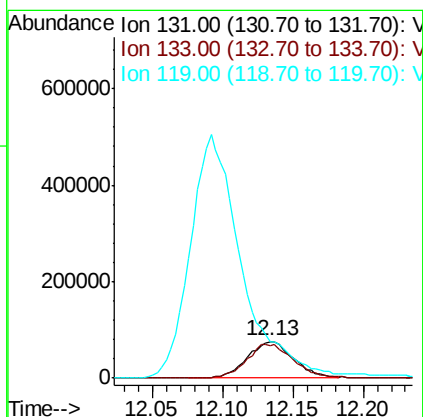
RT: 12.13 min Scan# 2907

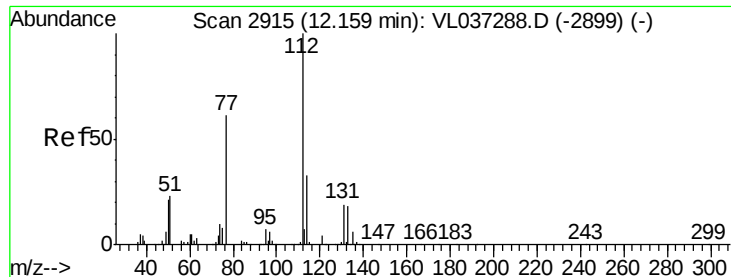
Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	77.4	116.2
119	754.6	51.0	76.4#





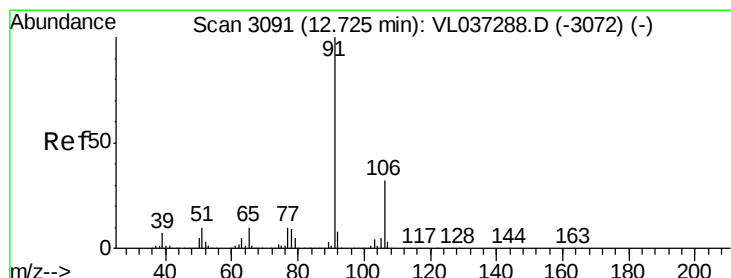
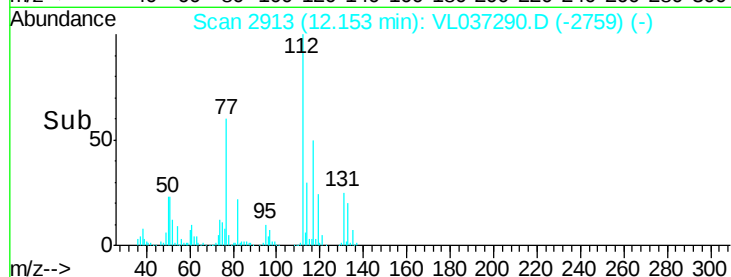
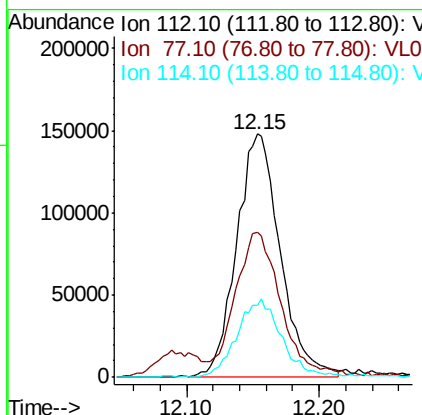
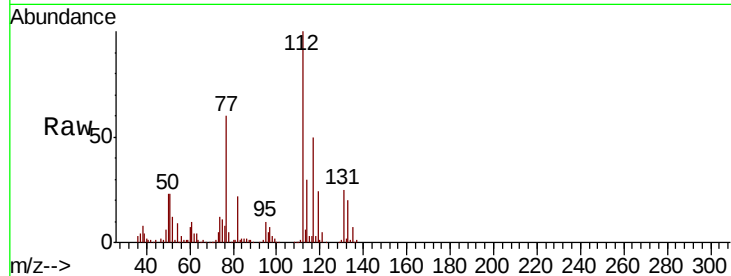
#57
Chlorobenzene
Concen: 1.111 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
77	57.6	49.0	73.6
114	30.0	29.3	35.9

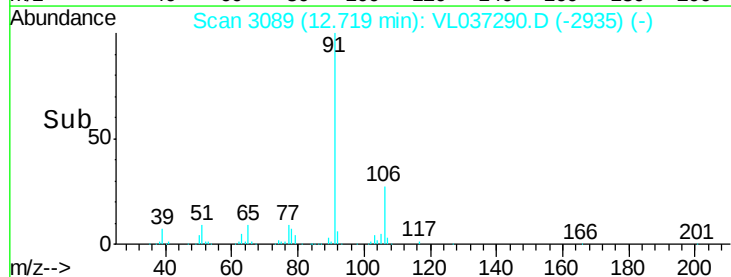
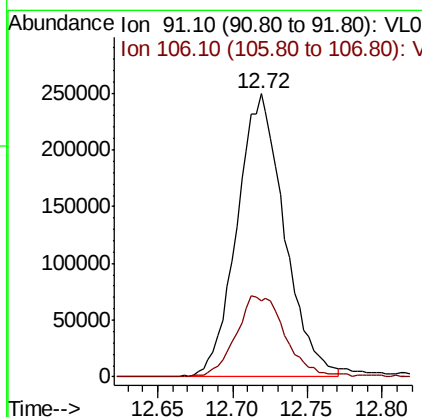
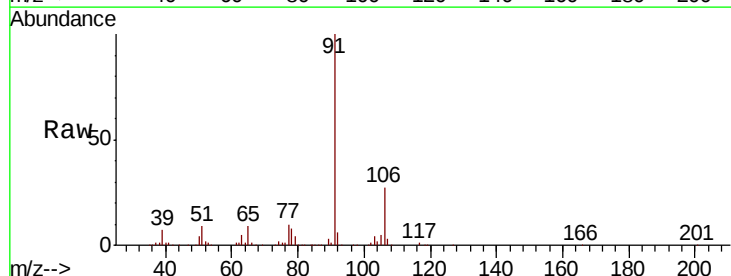
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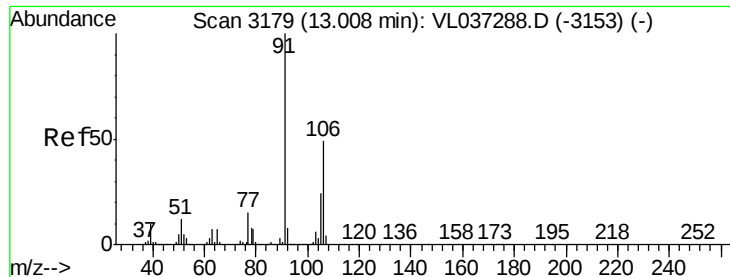
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8/2/2021 8:57:34 AM



#58
Ethyl Benzene
Concen: 1.071 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	26.9	25.4	38.0





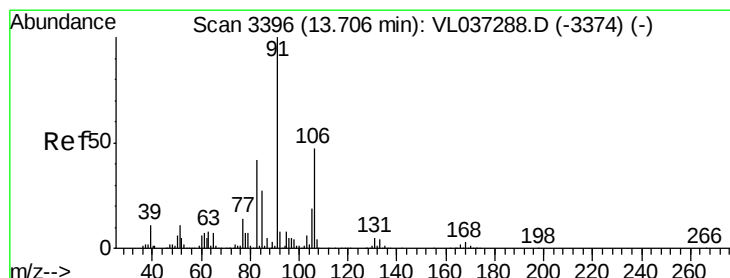
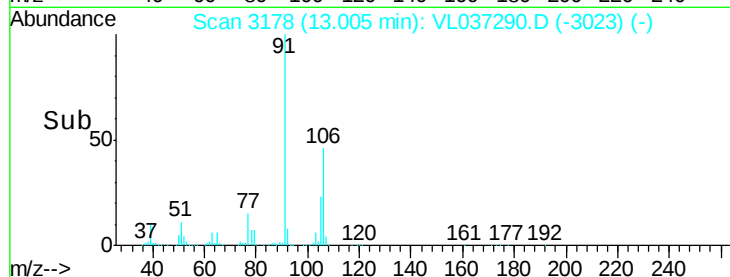
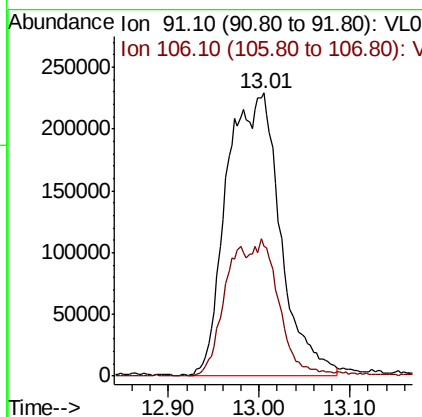
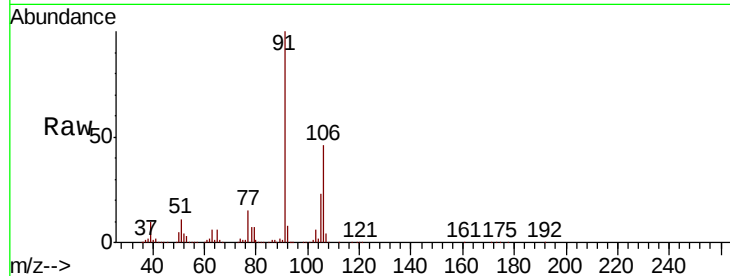
#59
m/p-Xylene
Concen: 2.186 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. -0.00 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	46.1	37.3	55.9	

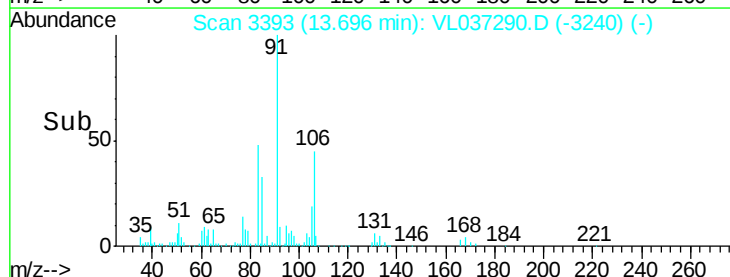
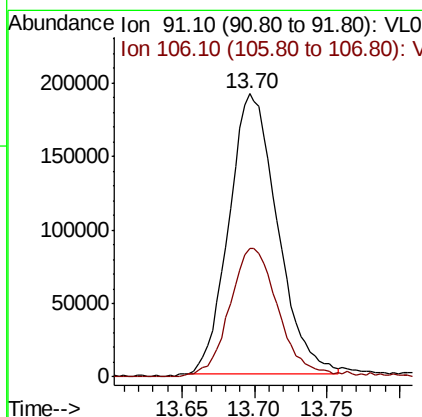
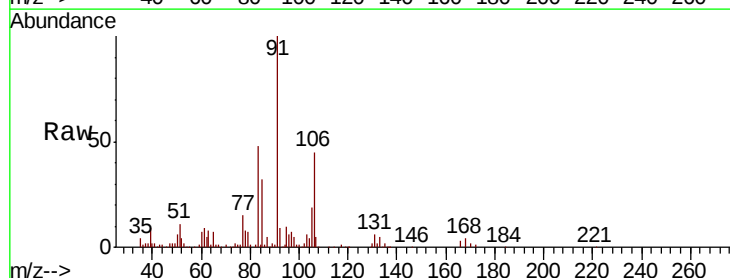
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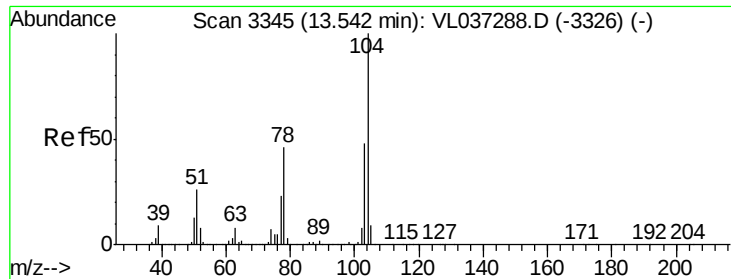
MMDadoda
8/2/2021 8:57:34 AM



#60
o-Xylene
Concen: 1.083 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
106	47.2	23.4	70.0	





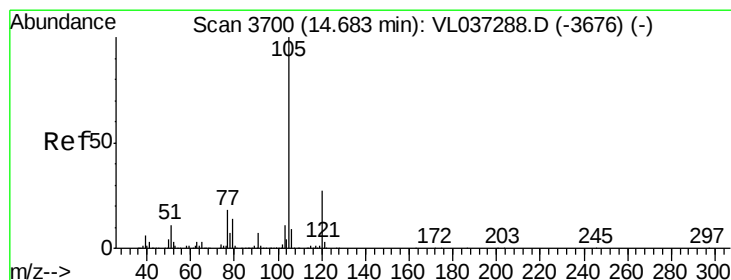
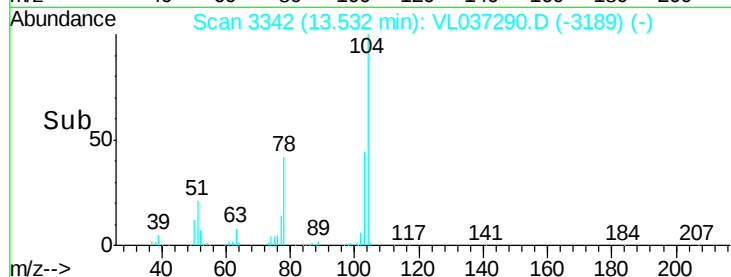
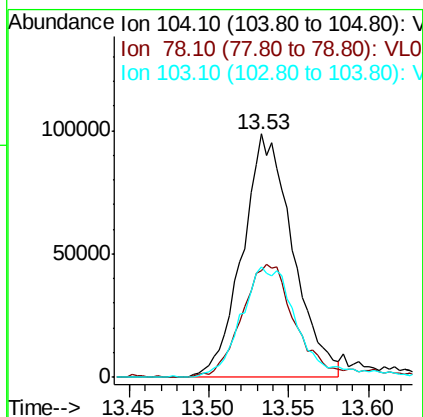
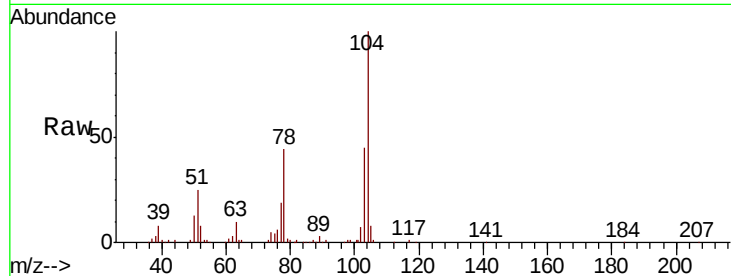
#61
Stvrene
Concen: 1.011 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.8	39.0	58.6
103	51.4	38.6	58.0

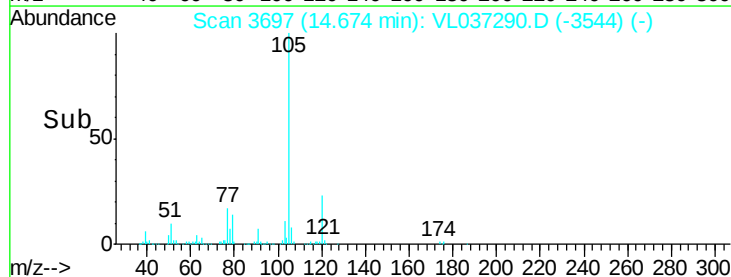
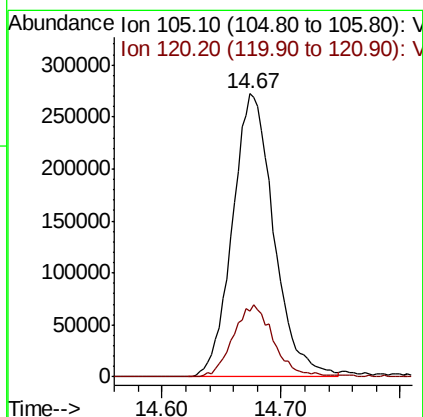
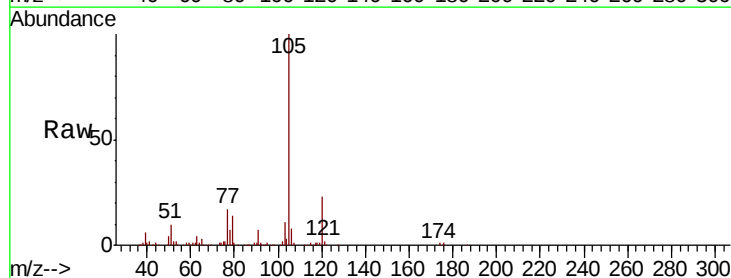
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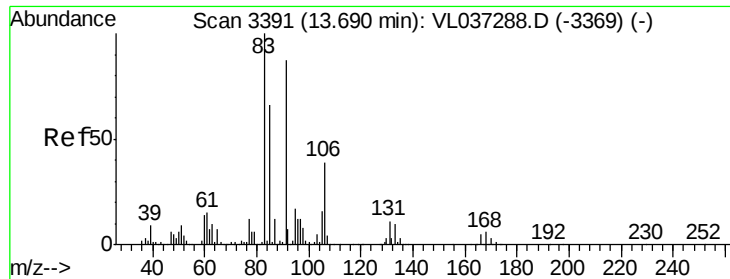
MMDadoda
8/2/2021 8:57:34 AM



#62
Isopropylbenzene
Concen: 1.110 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	21.8	32.6





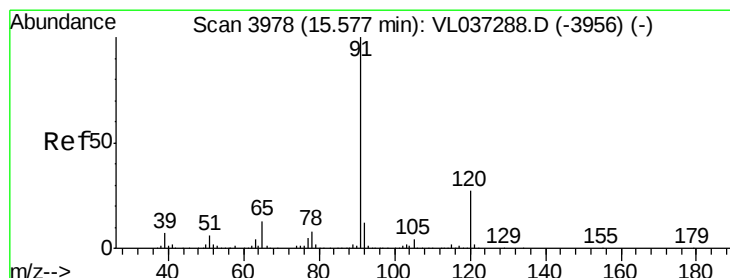
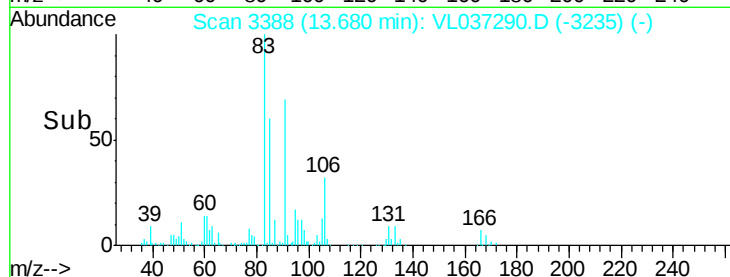
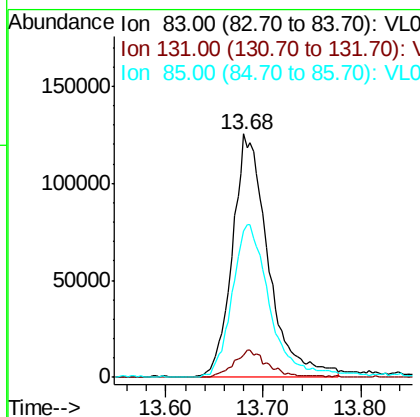
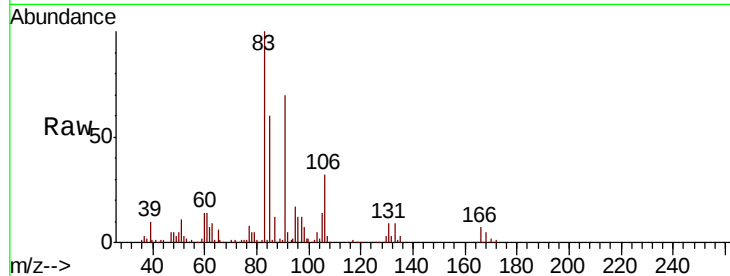
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.158 ppbv m
 RT: 13.68 min Scan# 3388
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.5
85	66.4	33.6	100.8

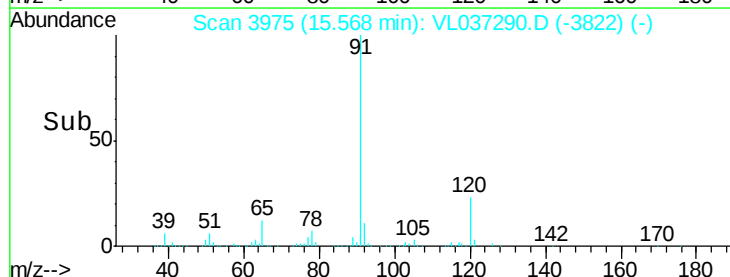
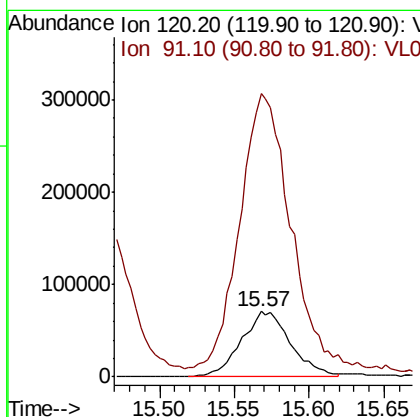
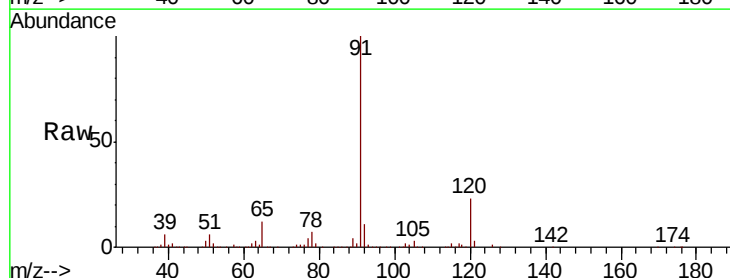
Manual Integrations
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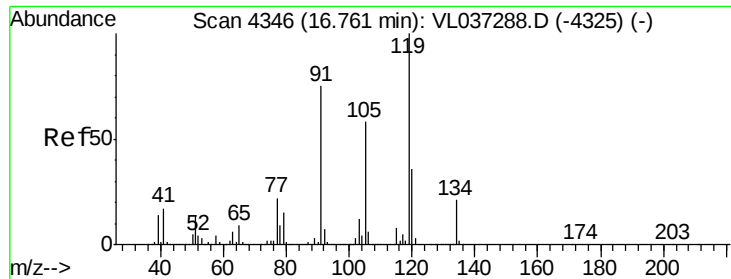
MMDadoda
 8/2/2021 8:57:34 AM



#64
 n-propylbenzene
 Concen: 1.105 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
120	100		
91	479.1	347.0	520.4





#65

tert-Butylbenzene

Concen: 1.163 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

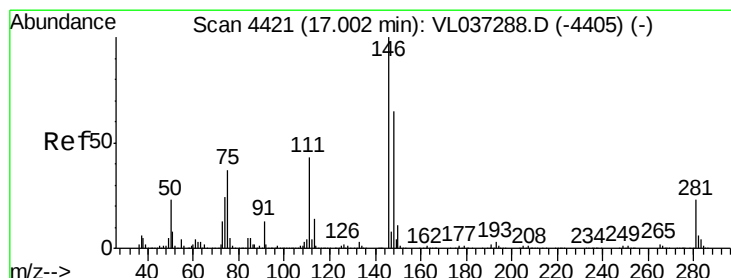
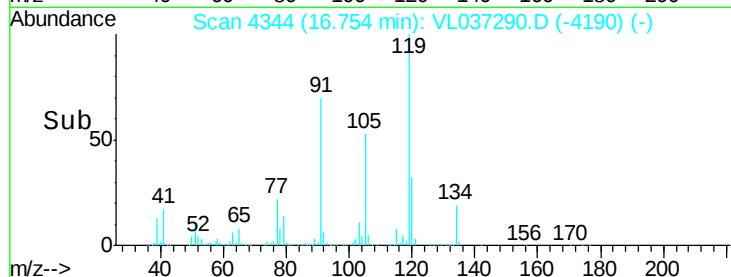
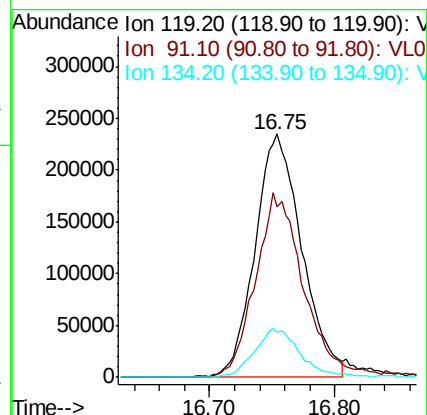
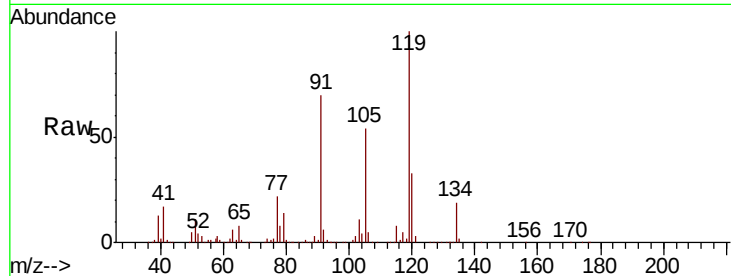
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	608778
Ion Ratio	Lower	Upper	
119	100		
91	78.8	60.5	90.7
134	20.1	16.2	24.4

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#66

Benzyl Chloride

Concen: 0.956 ppbv m

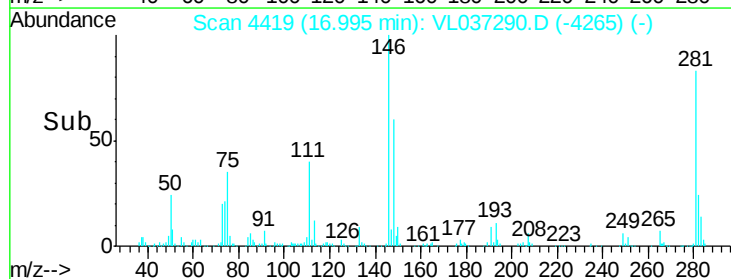
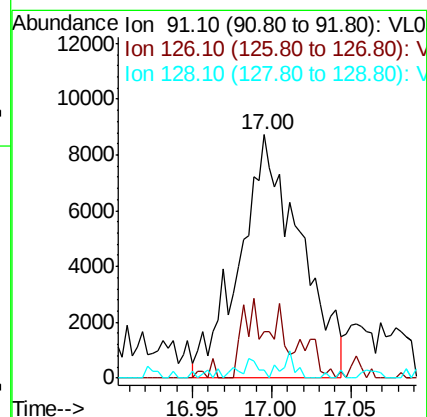
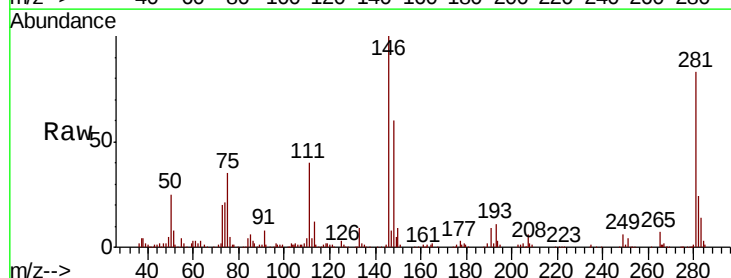
RT: 17.00 min Scan# 4419

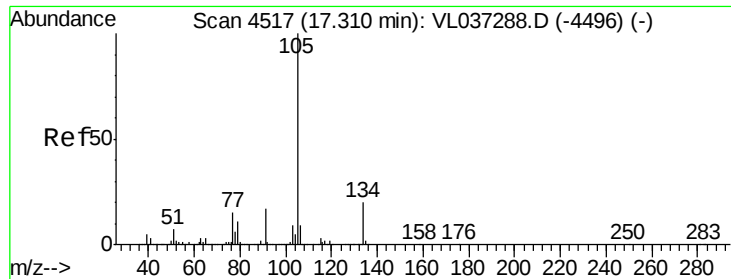
Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Tgt Ion:	91	Resp:	23091
Ion Ratio	Lower	Upper	
91	100		
126	22.9	15.4	23.0
128	5.5	5.0	7.4





#67

sec-Butylbenzene

Concen: 1.142 ppbv

RT: 17.30 min Scan# 4514

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 797869

Ion Ratio Lower Upper

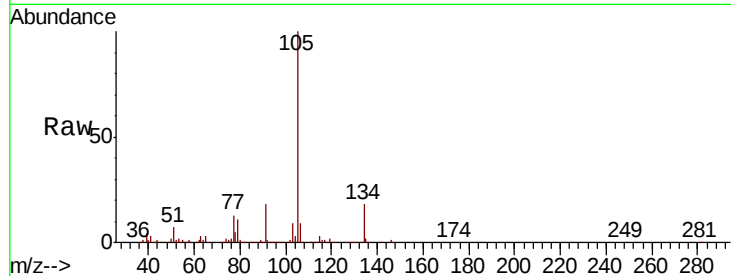
105 100

134 18.7 15.8 23.6

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.30

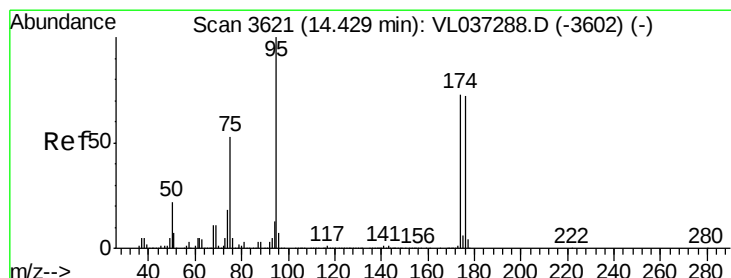
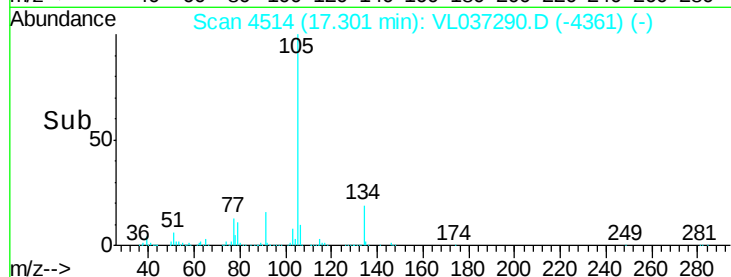
300000

200000

100000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.770 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

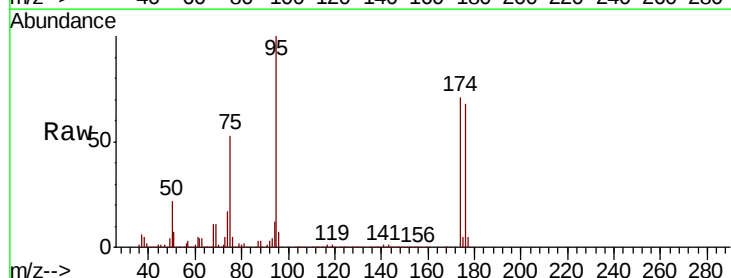
Tgt Ion: 95 Resp: 2721033

Ion Ratio Lower Upper

95 100

174 75.1 59.8 89.6

175 5.5 4.5 6.7



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

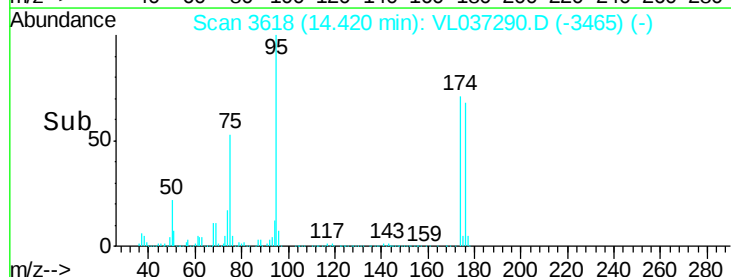
14.42

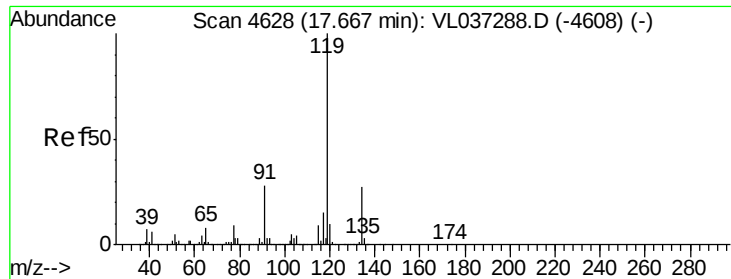
1000000

500000

0

Time-->





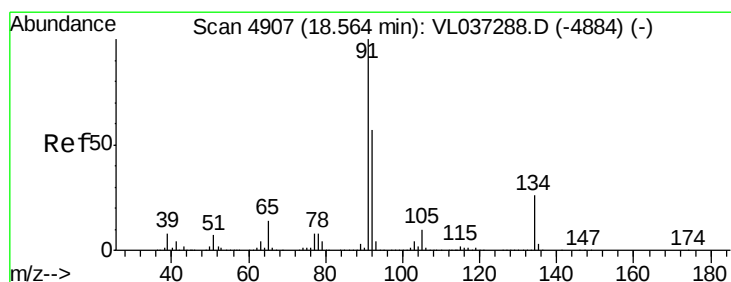
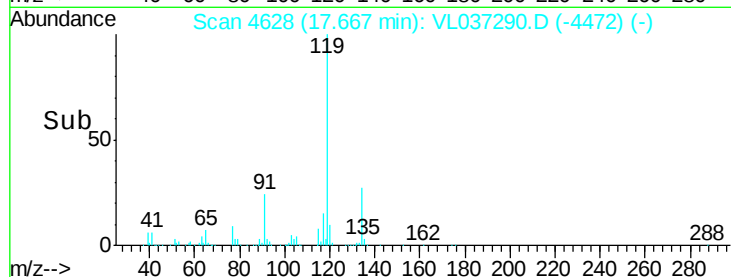
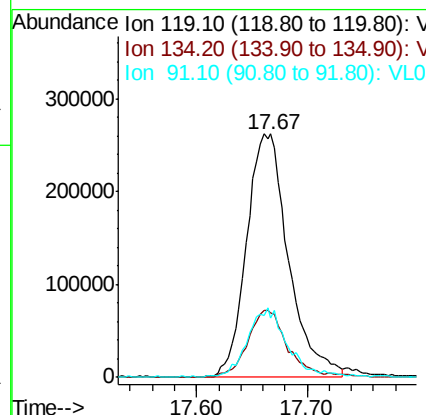
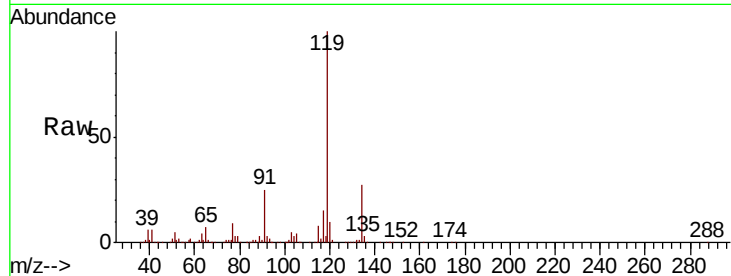
#69
 p-Isopropyltoluene
 Concen: 1.165 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. 0.00 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	687776		
134	27.0		21.1	31.7
91	27.3		21.8	32.6

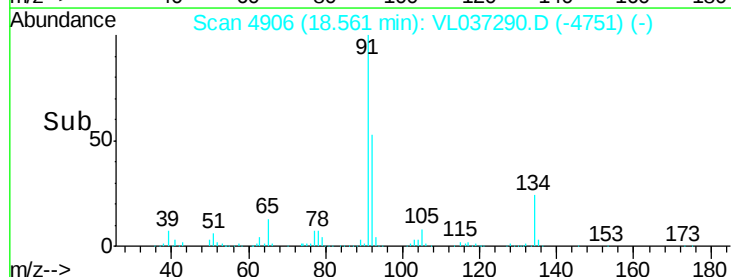
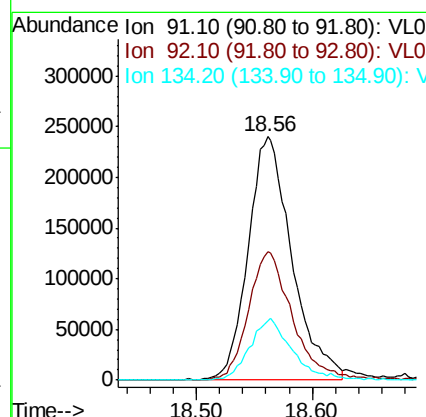
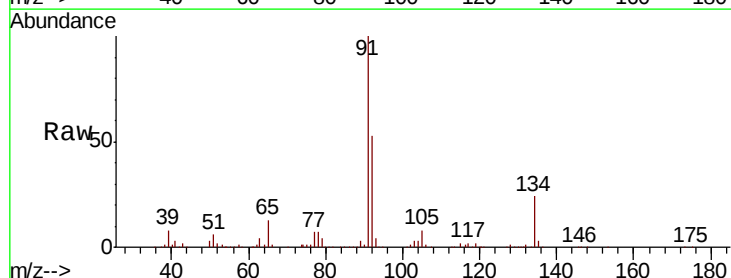
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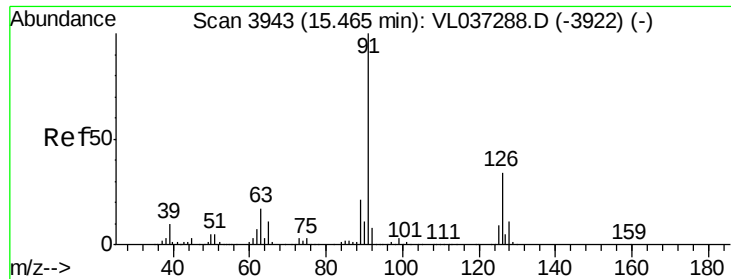
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#70
 n-Butylbenzene
 Concen: 1.145 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. -0.00 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	625636		
92	53.7		43.6	65.4
134	24.8		20.3	30.5





#71

2-Chlorotoluene

Concen: 1.101 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 452140

Ion Ratio Lower Upper

91 100

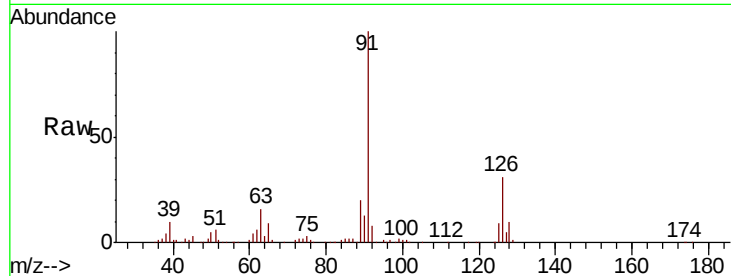
126 34.0 13.8 55.2

Manual Integrations

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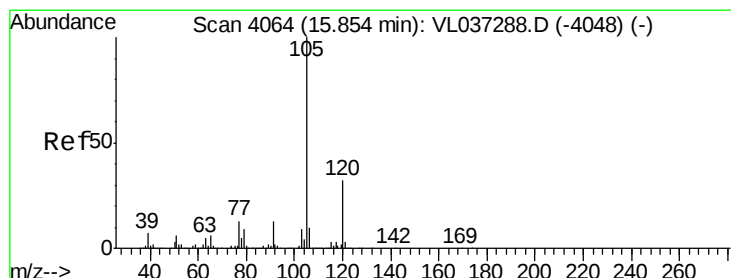
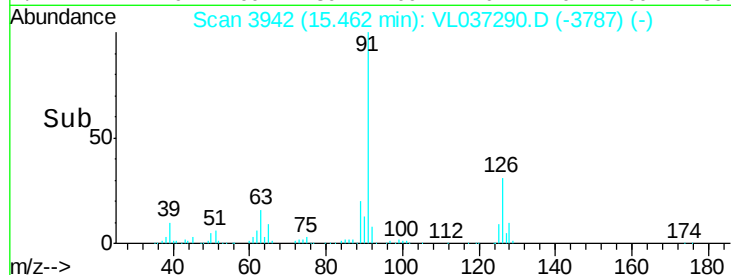
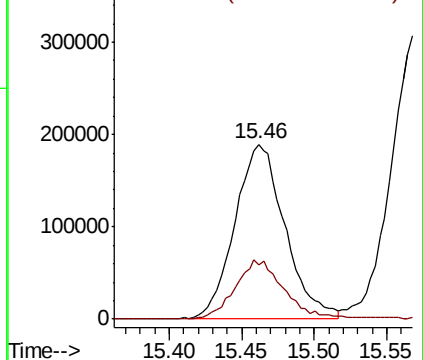
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 1.128 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Tgt Ion: 105 Resp: 533946

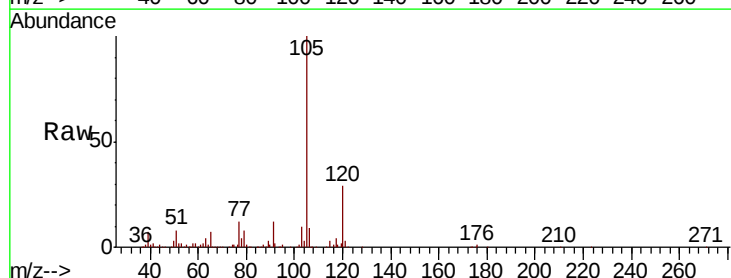
Ion Ratio Lower Upper

105 100

120 30.8 24.3 36.5

91 12.5 9.6 14.4

77 13.2 10.3 15.5

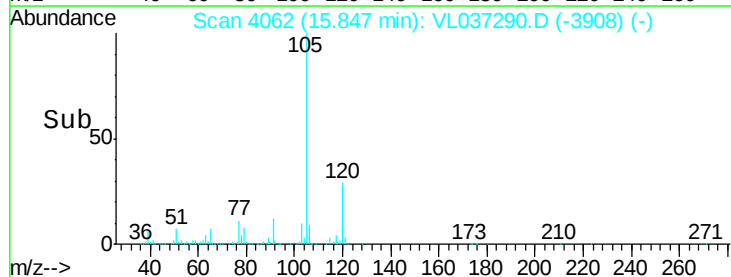
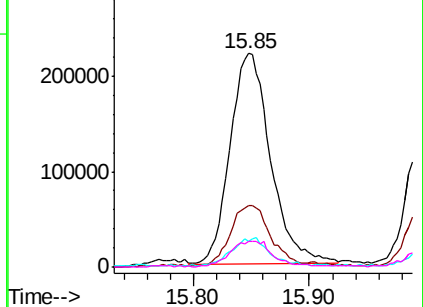


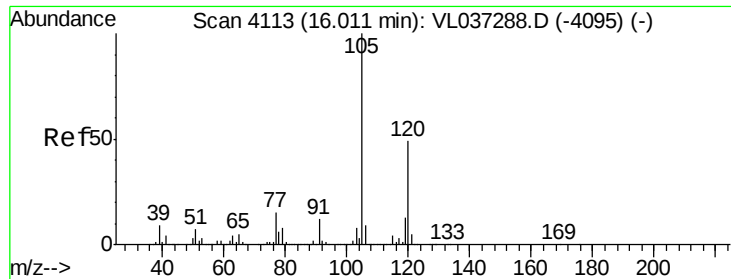
Abundance Ion 105.10 (104.80 to 105.80): V

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: 1.087 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 495089

Ion Ratio Lower Upper

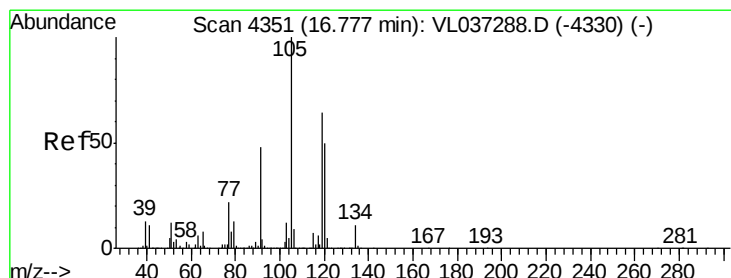
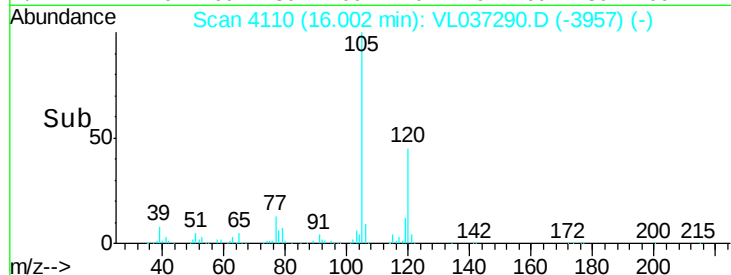
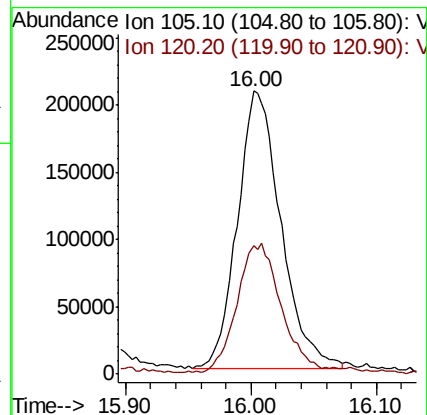
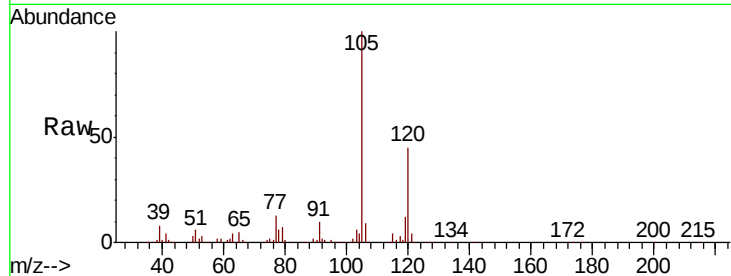
105 100

120 45.3 39.0 58.6

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#74

1,2,4-Trimethylbenzene

Concen: 1.215 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Tgt Ion:105 Resp: 570005

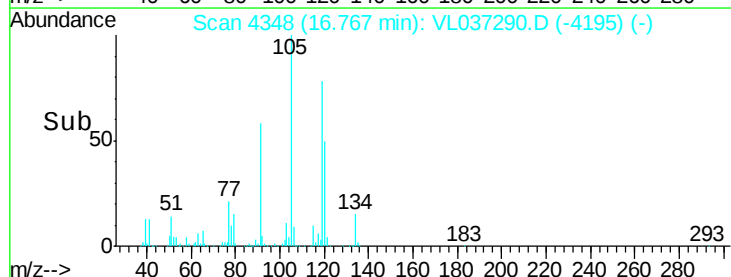
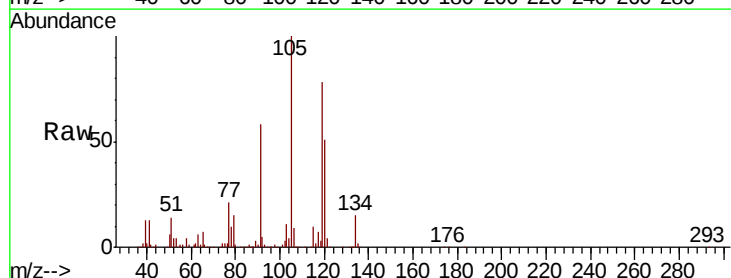
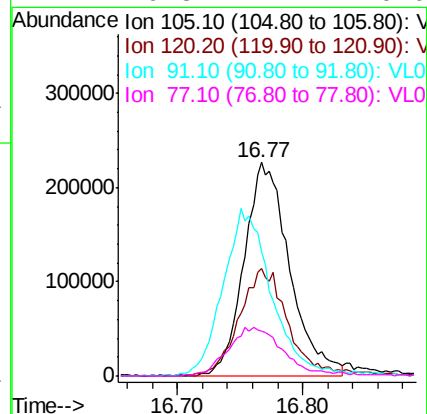
Ion Ratio Lower Upper

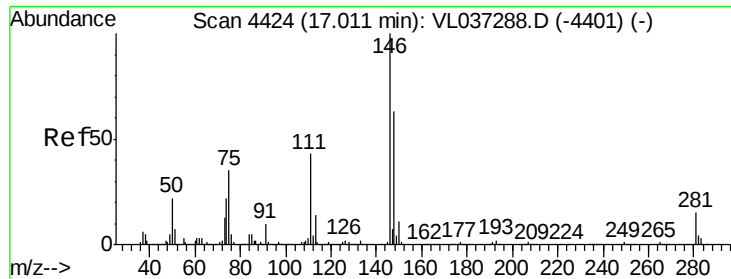
105 100

120 49.9 40.2 60.4

91 56.1 39.0 58.6

77 20.3 17.4 26.0





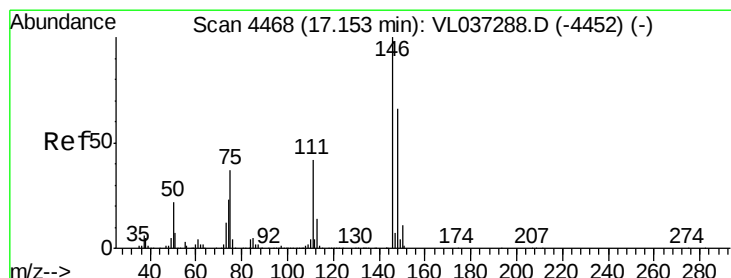
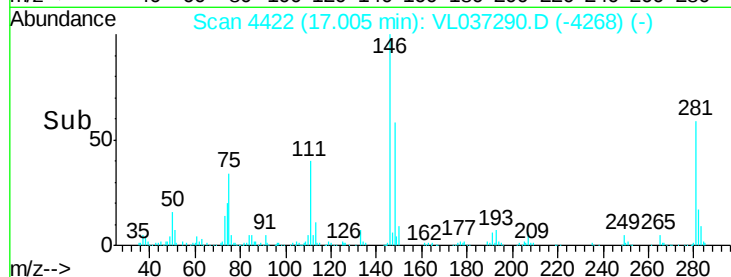
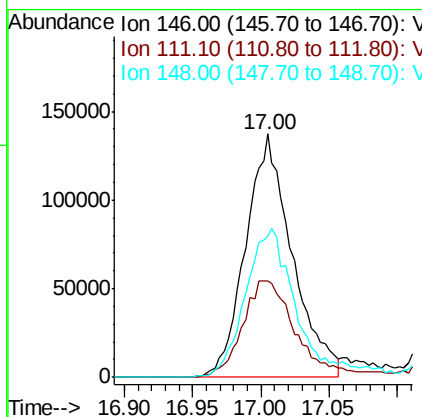
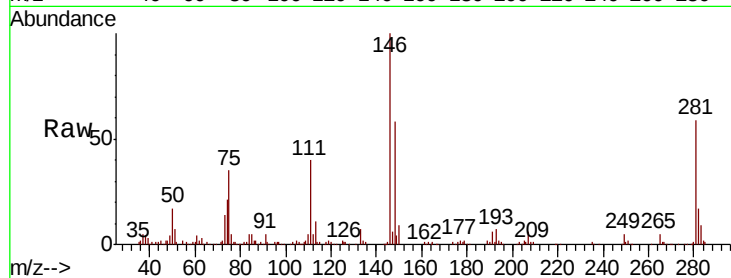
#75
 1,3-Dichlorobenzene
 Concen: 1.131 ppbv
 RT: 17.00 min Scan# 4422
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	21.7	65.1
148	68.0	32.3	96.9

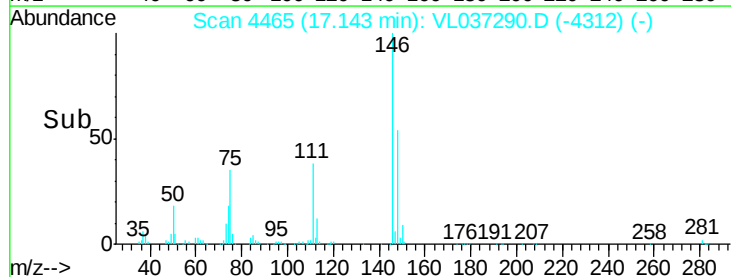
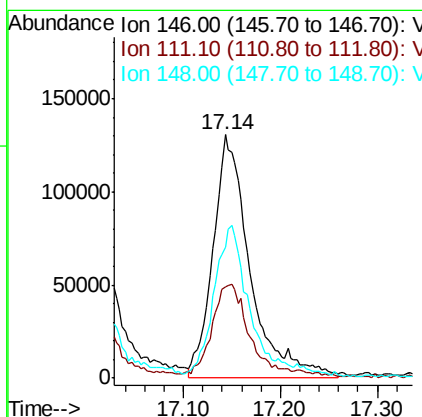
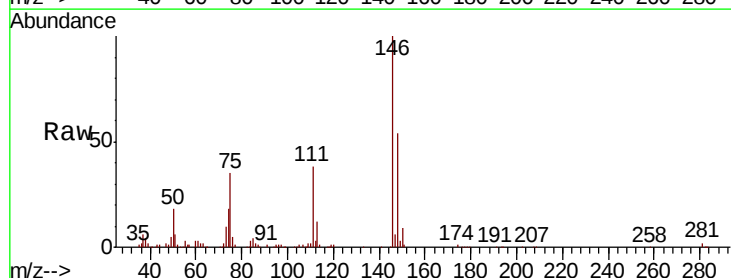
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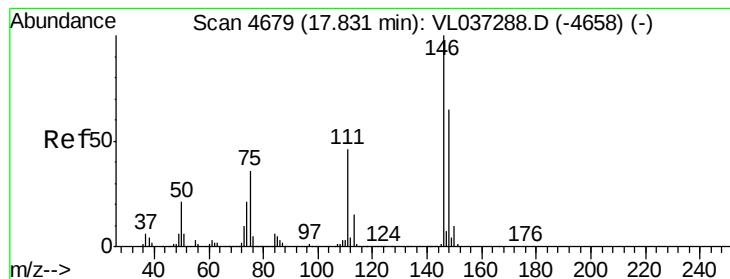
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#76
 1,4-Dichlorobenzene
 Concen: 1.201 ppbv m
 RT: 17.14 min Scan# 4465
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.2	63.6
148	61.6	32.9	98.6





#77

1,2-Dichlorobenzene

Concen: 1.096 ppbv

RT: 17.82 min Scan# 4677

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

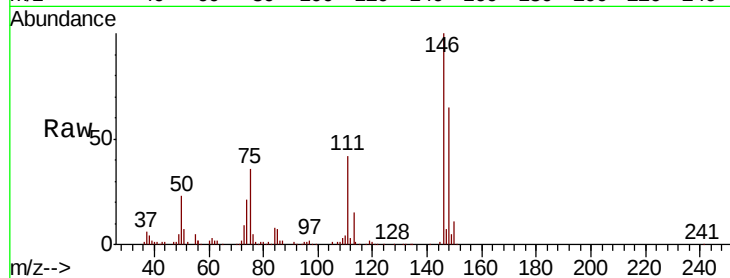
ClientSampleId :

VSTDIC001

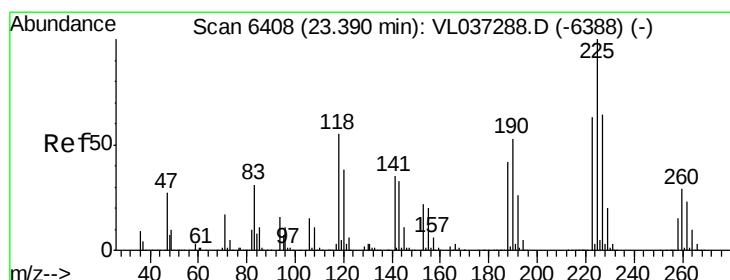
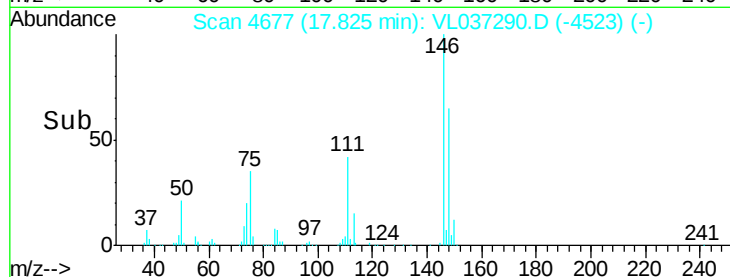
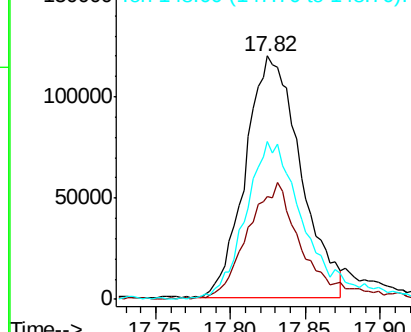
Tot Ion:	146	Resp:	305758
Ion Ratio	Lower	Upper	
146	100		
111	49.8	22.6	67.7
148	70.9	32.5	97.4

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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: 1.014 ppbv

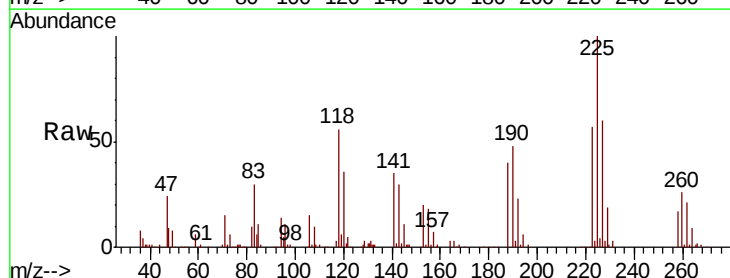
RT: 23.38 min Scan# 6406

Delta R.T. -0.01 min

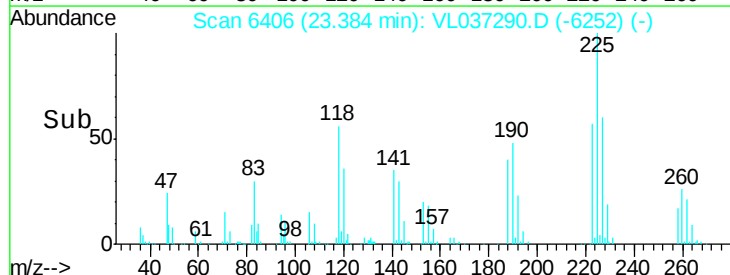
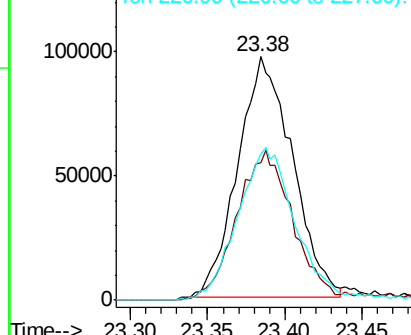
Lab File: VL037290.D

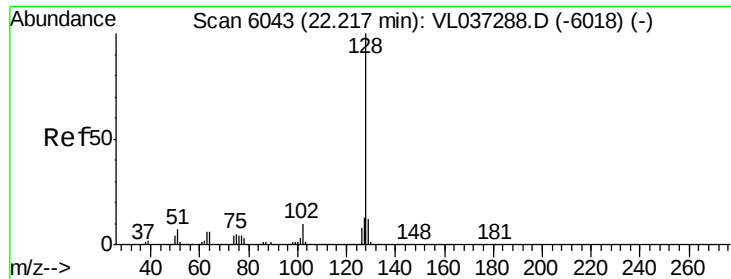
Acq: 30 Jul 2021 18:36

Tgt Ion:	225	Resp:	237704
Ion Ratio	Lower	Upper	
225	100		
223	66.3	51.7	77.5
227	67.8	51.8	77.8



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





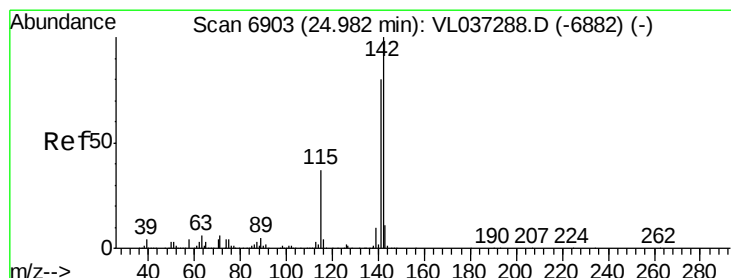
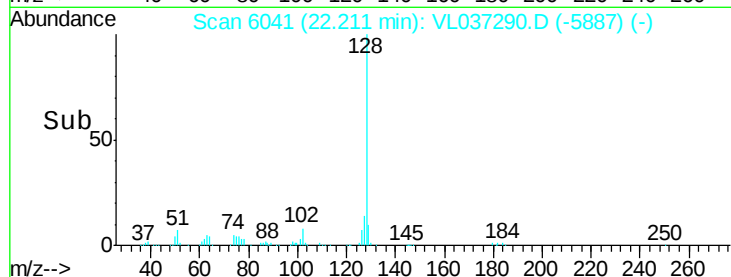
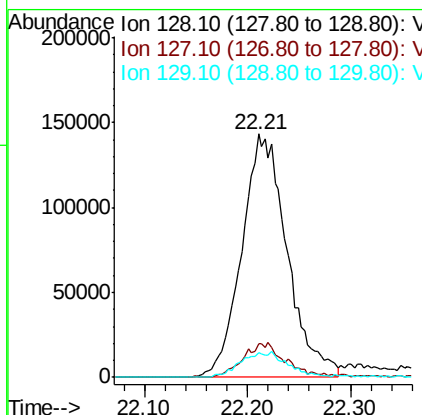
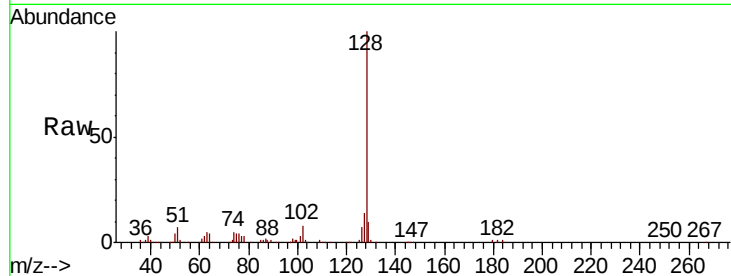
#79
Naphthalene
Concen: 1.155 ppbv
RT: 22.21 min Scan# 6041
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.9	10.7	16.1	
129	10.3	9.4	14.2	

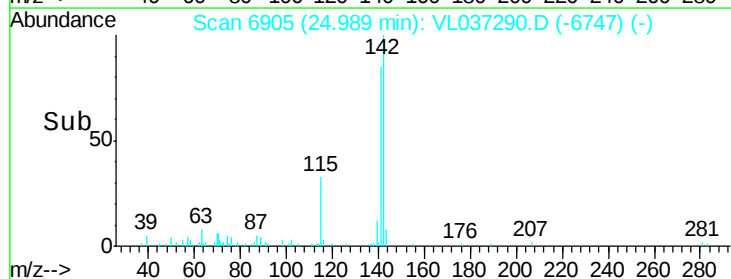
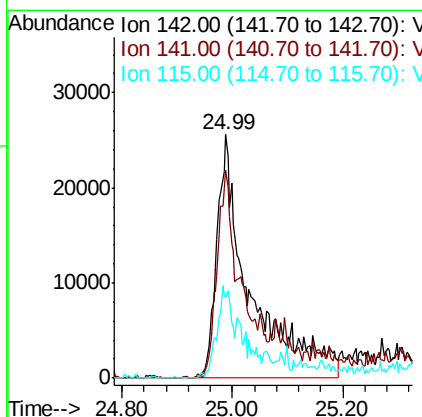
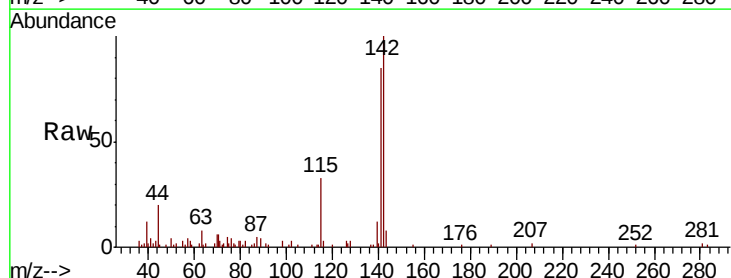
Manual Integrations
APPROVED

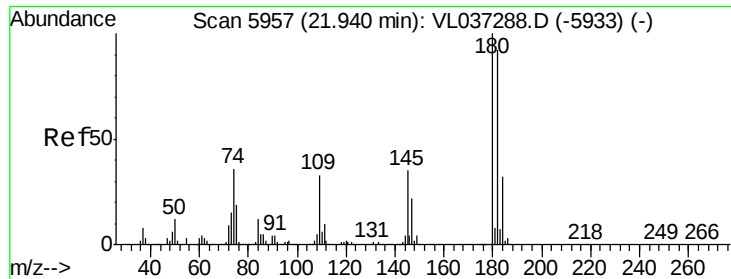
MMDadoda
8/2/2021 8:57:34 AM



#80
Naphthalene, 2-methyl-
Concen: 1.085 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. 0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	61.6	67.0	100.6#	
115	32.3	28.6	42.8	





#81
 1,2,4-Trichlorobenzene
 Concen: 1.206 ppbv m
 RT: 21.94 min Scan# 5956
 Delta R.T. -0.00 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	180	Resp:	267037
Ion Ratio	Lower	Upper	
180	100		
182	98.7	80.8	121.2
184	30.0	25.4	38.2

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:57:34 AM

