

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036066.D
 Acq On : 7 Dec 2020 13:47
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:53:16 AM

Quant Time: Dec 07 14:46:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 2020
 QLast Update : Mon Dec 07 13:39:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1268404	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2915188	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2673230	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2151664	10.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	166718	0.755	ppbv	96
3) Chlorodifluoromethane	3.00	51	153695	1.027	ppbv	100
4) Chloromethane	3.15	50	71225	0.973	ppbv #	87
5) Vinyl Chloride	3.27	62	69808	0.751	ppbv #	80
6) Bromomethane	3.48	94	44545m	0.609	ppbv	
7) Chloroethane	3.56	64	25899m	0.775	ppbv	
8) Dichlorotetrafluoroethane	3.20	85	169058m	0.649	ppbv	
9) Propene	3.02	41	75947m	1.453	ppbv	
10) Heptane	8.14	43	194962m	1.367	ppbv	
11) Trichlorofluoromethane	3.96	101	183214m	0.612	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.50	101	118067m	0.524	ppbv	
13) Ethanol	3.63	45	8048m	0.762	ppbv	
14) Bromoethene	3.75	108	46823	0.513	ppbv	96
15) Acetone	3.87	43	159325	1.209	ppbv #	86
16) 1,3-Butadiene	3.34	39	83156m	1.436	ppbv	
17) tert-Butyl alcohol	4.31	59	166557m	1.153	ppbv	
18) 1,1-Dichloroethene	4.30	96	51215	0.513	ppbv	88
19) Isopropyl Alcohol	3.99	45	103736m	1.467	ppbv	
20) Methylene Chloride	4.36	84	74972m	0.658	ppbv	
21) Allyl Chloride	4.43	41	105964m	1.509	ppbv	
22) trans-1,2-Dichloroethene	4.90	96	53827m	0.543	ppbv	
23) Vinyl Acetate	5.09	43	190691	1.225	ppbv #	93
24) 1,1-Dichloroethane	5.02	63	150814m	0.848	ppbv	
25) Ethyl Acetate	5.70	43	312729	1.180	ppbv	99
26) Hexane	5.71	57	147614m	1.049	ppbv	
27) Carbon Disulfide	4.57	76	133456	0.651	ppbv	96
28) Methyl tert-Butyl Ether	5.06	73	195191	0.931	ppbv	99
29) Chloroform	5.76	83	182937	0.688	ppbv	86
30) Cyclohexane	7.15	84	105787m	0.796	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	122401	0.950	ppbv	91
32) 1,1,1-Trichloroethane	6.52	97	191477m	0.786	ppbv	
34) 2-Butanone	5.26	43	206029m	2.062	ppbv	
35) Carbon Tetrachloride	7.04	117	176311m	1.157	ppbv	
36) Benzene	6.91	78	262285m	1.315	ppbv	
37) 1,2-Dichloroethane	6.32	62	149478	1.445	ppbv	99
38) Trichloroethene	7.86	130	90134	1.010	ppbv	90
39) 1,2-Dichloropropane	7.63	63	98983	1.296	ppbv	93
40) 1,4-Dioxane	7.88	88	32164m	1.263	ppbv	
41) Tetrahydrofuran	6.08	42	115992m	2.224	ppbv	
42) Bromodichloromethane	7.81	83	187932	1.149	ppbv	93
43) Methyl Methacrylate	8.04	69	110200	1.517	ppbv	96

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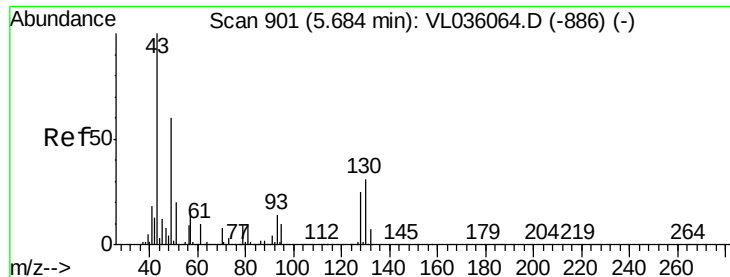
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Quant Time: Dec 07 14:46:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	472239	1.598	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	101803m	1.483	ppbv	
46) cis-1,3-Dichloropropene	8.73	75	136736m	1.486	ppbv	
47) 1,1,2-Trichloroethane	9.50	97	98627m	1.030	ppbv	
48) Dibromochloromethane	10.33	129	135583	1.006	ppbv	98
49) Bromoform	13.06	173	101183	1.012	ppbv	95
50) 4-Methyl-2-Pentanone	8.78	43	287733	1.894	ppbv	99
51) 2-Hexanone	10.17	43	226811m	2.064	ppbv	
52) Tetrachloroethene	11.25	164	86242m	1.116	ppbv	
53) Toluene	9.83	91	287553	1.325	ppbv	100
54) 1,2-Dibromoethane	10.64	107	139019m	1.024	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.15	131	114617m	1.050	ppbv	
57) Chlorobenzene	12.18	112	204624m	1.038	ppbv	
58) Ethyl Benzene	12.73	91	396585	1.500	ppbv	96
59) m/p-Xylene	13.02	91	676905m	2.808	ppbv	
60) o-Xylene	13.72	91	312188	1.283	ppbv	99
61) Styrene	13.55	104	194581m	1.412	ppbv	
62) Isopropylbenzene	14.69	105	467717	1.295	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	199420m	0.978	ppbv	
64) n-propylbenzene	15.59	120	107024	1.126	ppbv	86
65) tert-Butylbenzene	16.77	119	387832	1.281	ppbv	96
66) Benzyl Chloride	17.02	91	75696m	1.038	ppbv	
67) sec-Butylbenzene	17.33	105	540096	1.306	ppbv	98
69) p-Isopropyltoluene	17.68	119	420392	1.346	ppbv	98
70) n-Butylbenzene	18.59	91	428814m	1.387	ppbv	
71) 2-Chlorotoluene	15.49	91	347310m	1.398	ppbv	
72) 4-Ethyltoluene	15.87	105	338965	1.353	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	322447m	1.374	ppbv	
74) 1,2,4-Trimethylbenzene	16.80	105	337052m	1.287	ppbv	
75) 1,3-Dichlorobenzene	17.03	146	158790m	1.003	ppbv	
76) 1,4-Dichlorobenzene	17.17	146	163789m	1.095	ppbv	
77) 1,2-Dichlorobenzene	17.85	146	156455m	1.078	ppbv	
78) Hexachloro-1,3-Butadiene	23.41	225	124854m	1.564	ppbv	
79) Naphthalene	22.25	128	127048m	1.040	ppbv	
80) Naphthalene, 2-methyl-	25.05	142	10051m	0.406	ppbv	
81) 1,2,4-Trichlorobenzene	21.97	180	100572m	1.199	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

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MSVOA_L

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VSTDIC001

Tot Ion: 49 Resp: 1268404

Ion Ratio Lower Upper

49 100

128 41.6 21.1 63.1

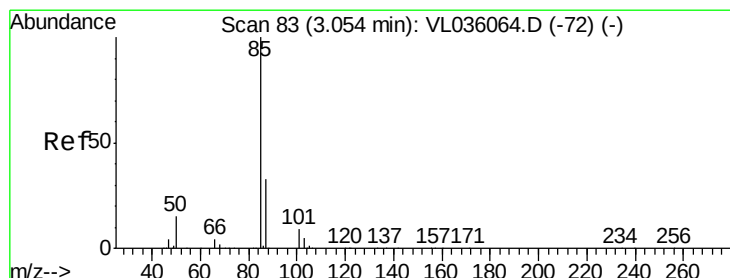
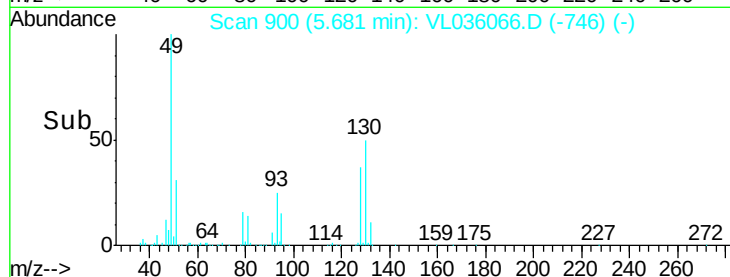
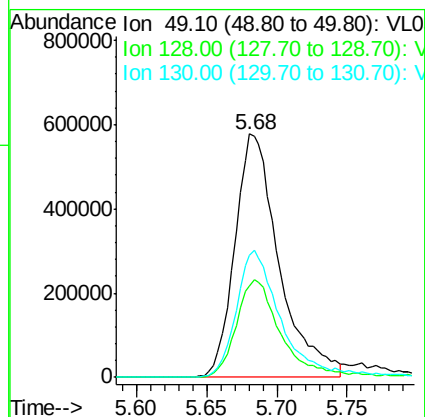
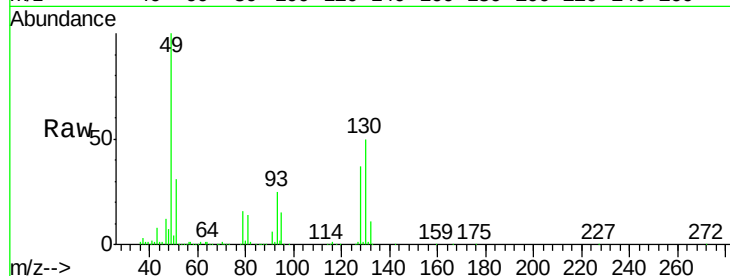
130 54.0 27.1 81.3

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#2

Dichlorodifluoromethane

Concen: 0.755 ppbv

RT: 3.05 min Scan# 83

Delta R.T. -0.00 min

Lab File: VL036066.D

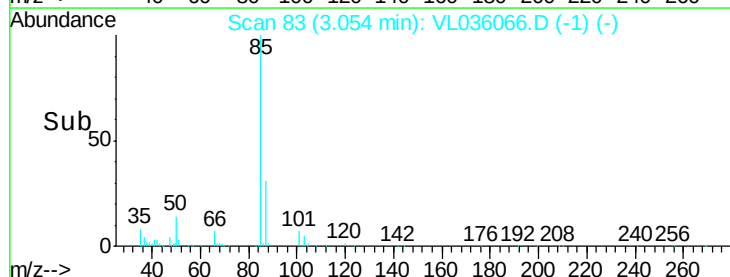
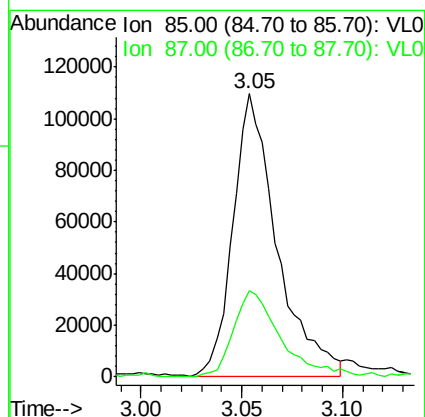
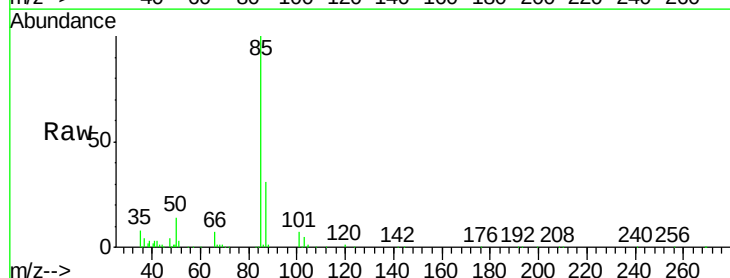
Acq: 7 Dec 2020 13:47

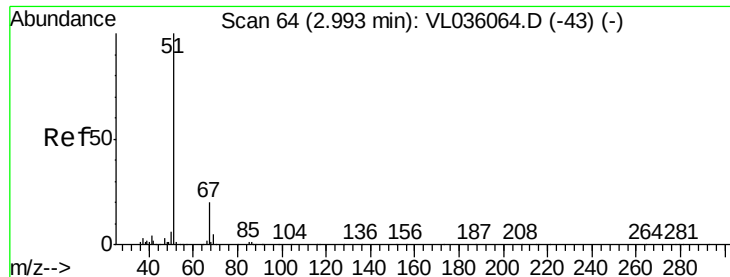
Tgt Ion: 85 Resp: 166718

Ion Ratio Lower Upper

85 100

87 30.7 26.5 39.7





#3

Chlorodifluoromethane

Concen: 1.027 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 153695

Ion Ratio Lower Upper

51 100

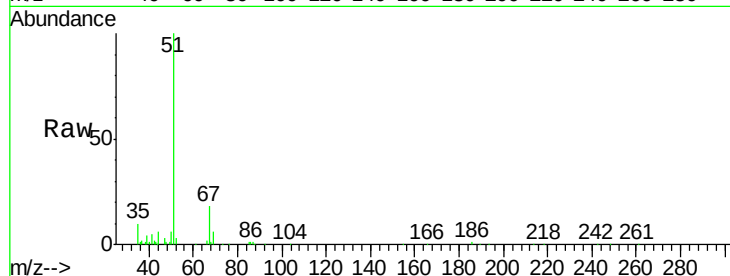
67 17.8 14.3 21.5

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12/10/2020 9:53:16 AM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.00

80000

60000

40000

20000

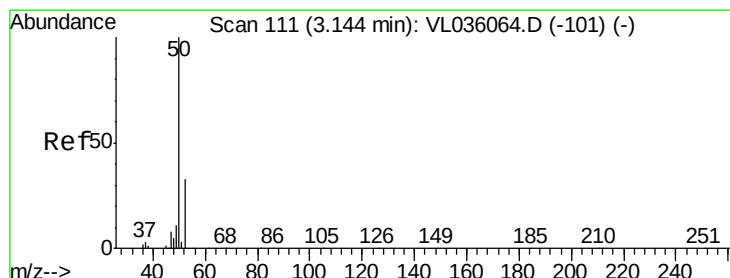
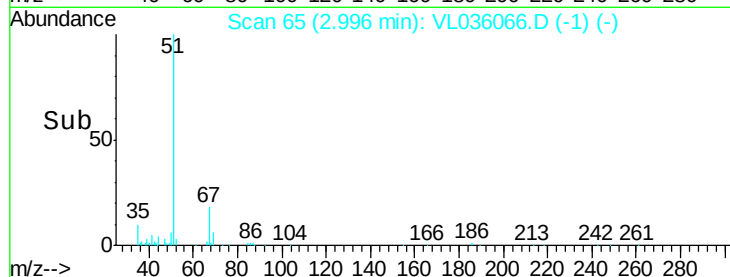
0

Time-->

2.90

3.00

3.10



#4

Chloromethane

Concen: 0.973 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL036066.D

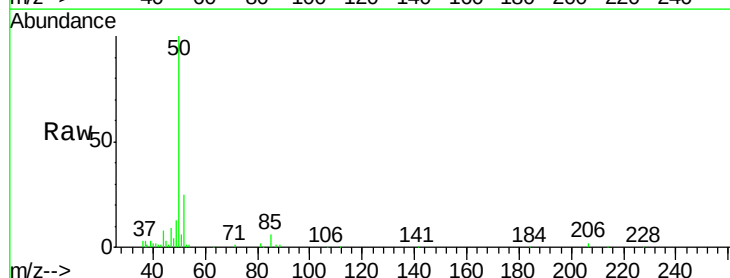
Acq: 7 Dec 2020 13:47

Tgt Ion: 50 Resp: 71225

Ion Ratio Lower Upper

50 100

52 25.2 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.15

40000

30000

20000

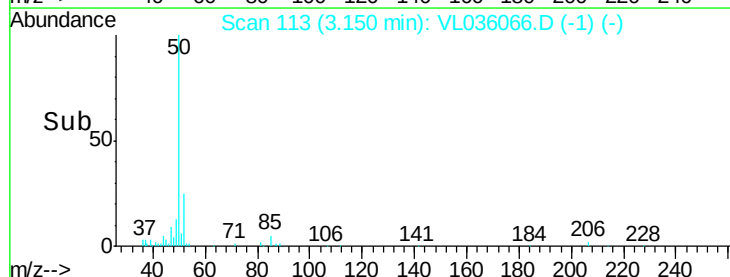
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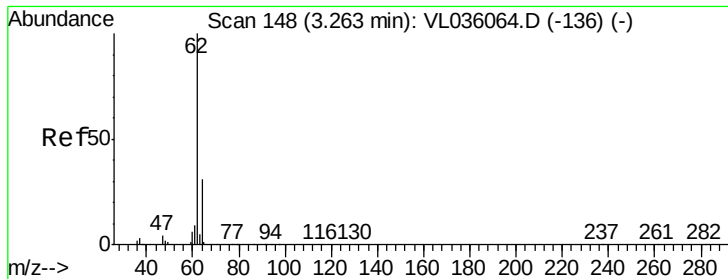
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Time-->

3.10

3.15





#5

Vinyl Chloride

Concen: 0.751 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 69808

Ion Ratio Lower Upper

62 100

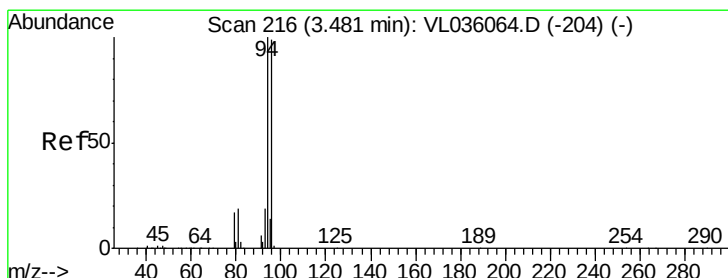
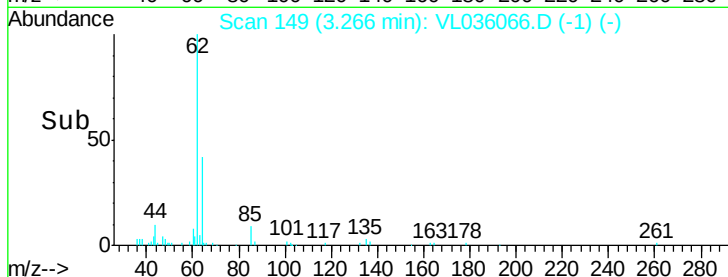
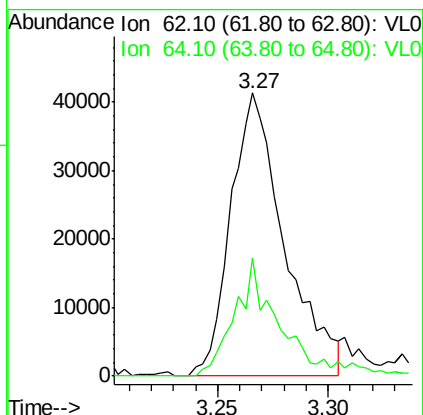
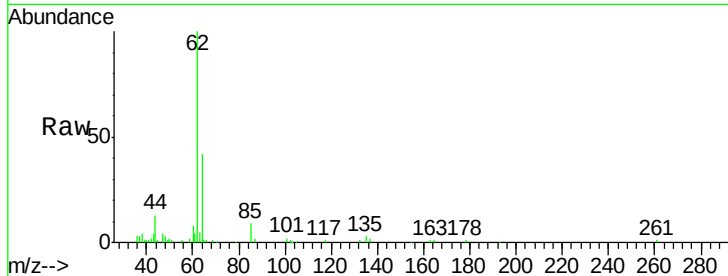
64 41.7 24.5 36.7#

Manual Integrations

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12/10/2020 9:53:16 AM



#6

Bromomethane

Concen: 0.609 ppbv m

RT: 3.48 min Scan# 217

Delta R.T. 0.00 min

Lab File: VL036066.D

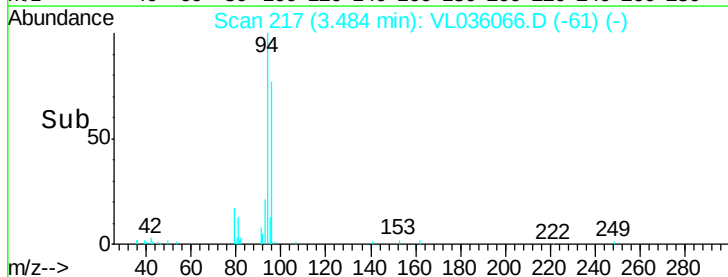
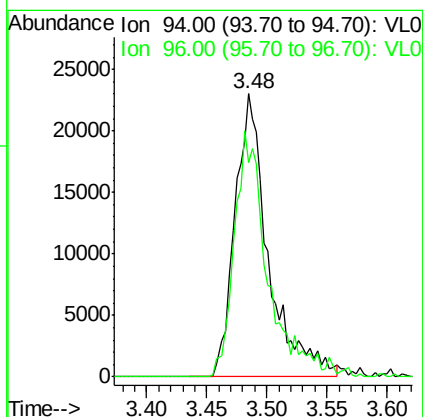
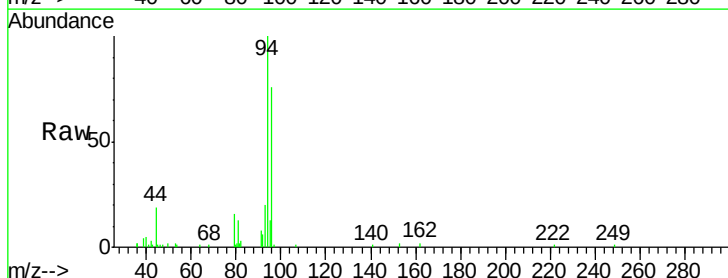
Acq: 7 Dec 2020 13:47

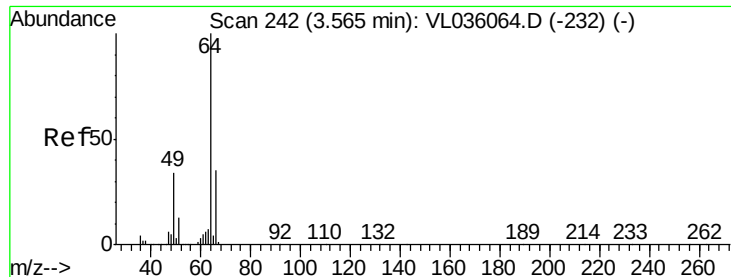
Tgt Ion: 94 Resp: 44545

Ion Ratio Lower Upper

94 100

96 75.7 79.4 119.0#





#7

Chloroethane

Concen: 0.775 ppbv m

RT: 3.56 min Scan# 242

Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 25899

Ion Ratio Lower Upper

64 100

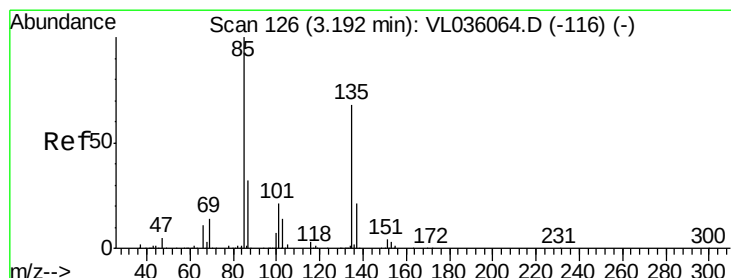
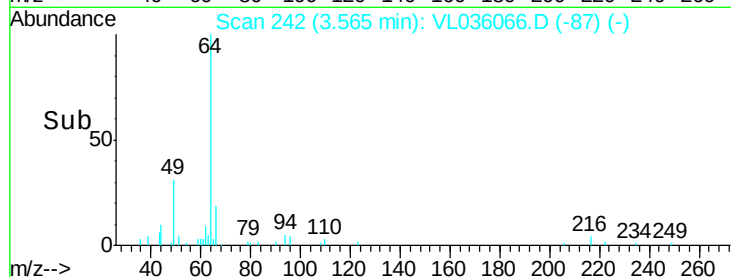
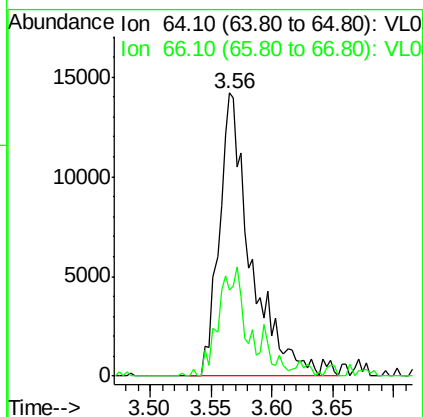
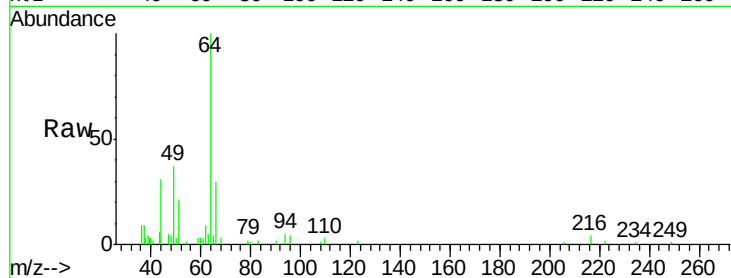
66 30.4 27.7 41.5

Manual Integrations

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12/10/2020 9:53:16 AM



#8

Dichlorotetrafluoroethane

Concen: 0.649 ppbv m

RT: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL036066.D

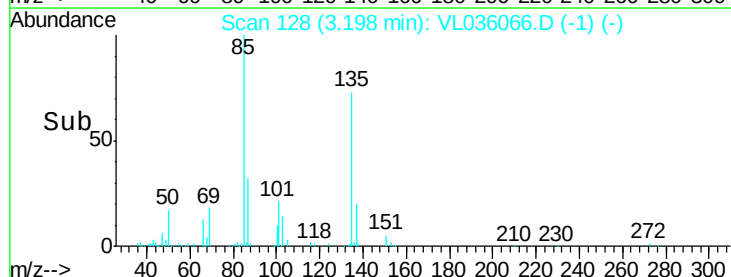
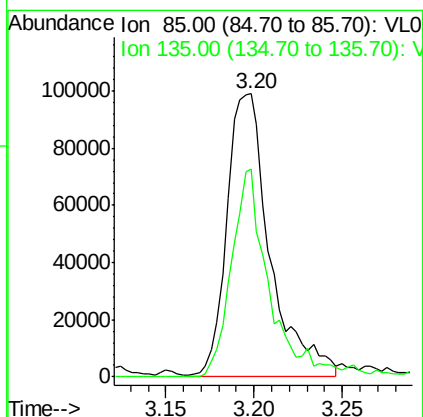
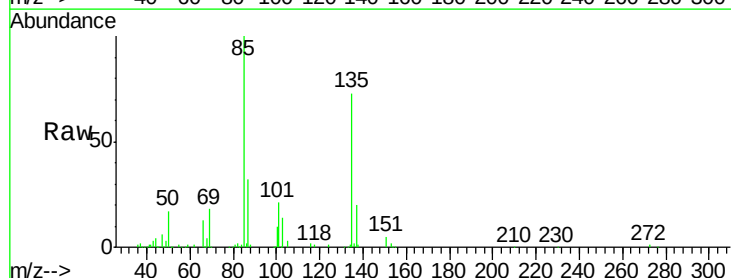
Acq: 7 Dec 2020 13:47

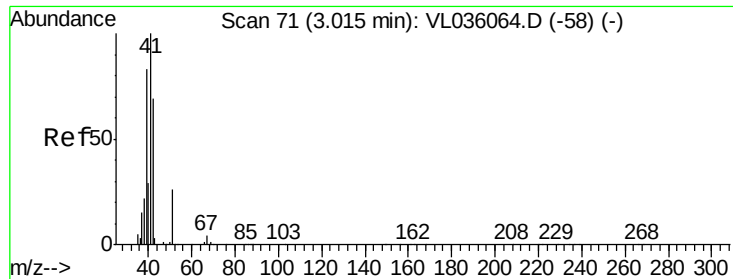
Tgt Ion: 85 Resp: 169058

Ion Ratio Lower Upper

85 100

135 66.4 53.8 80.8





#9

Propene

Concen: 1.453 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 41 Resp: 75947

Ion Ratio Lower Upper

41 100

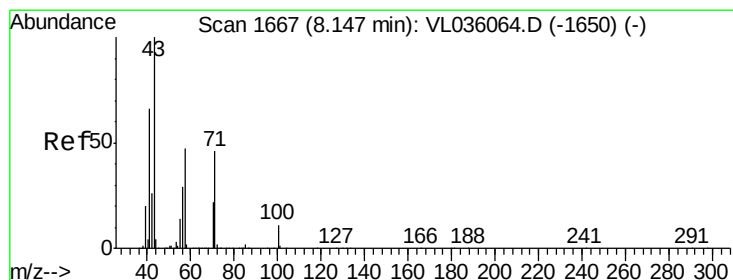
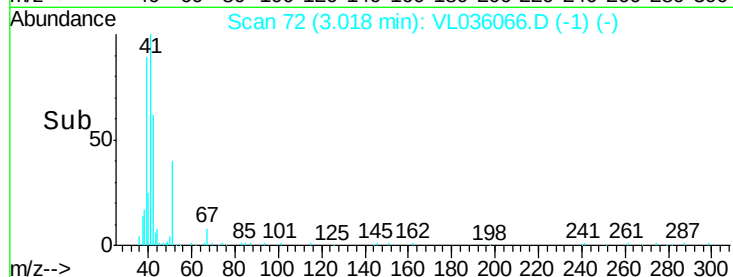
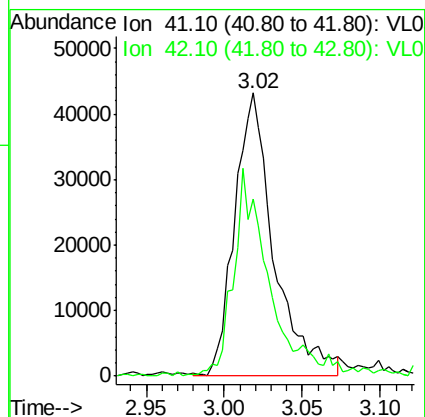
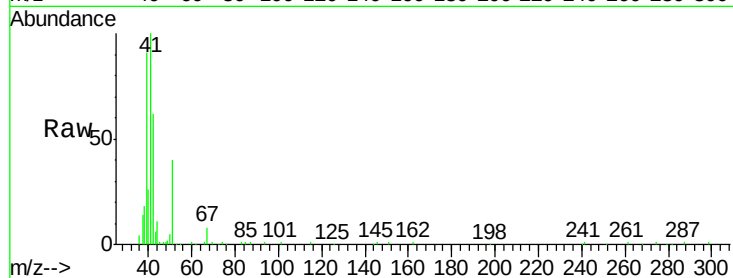
42 68.4 57.0 85.6

Manual Integrations

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12/10/2020 9:53:16 AM



#10

Heptane

Concen: 1.367 ppbv m

RT: 8.14 min Scan# 1665

Delta R.T. -0.01 min

Lab File: VL036066.D

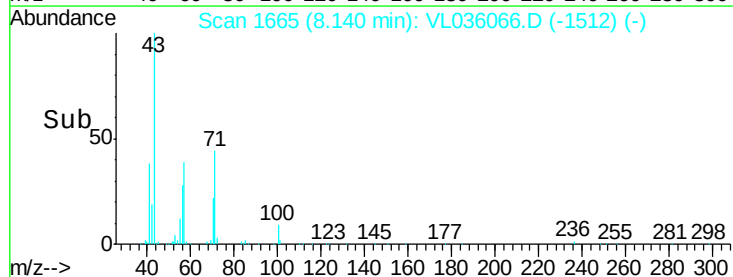
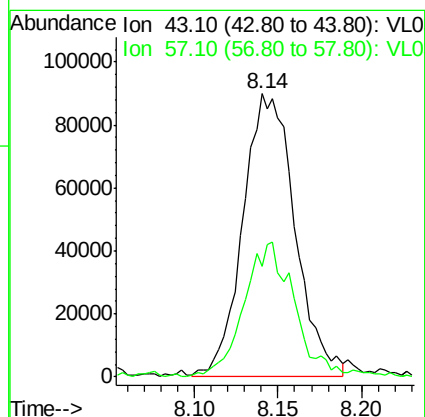
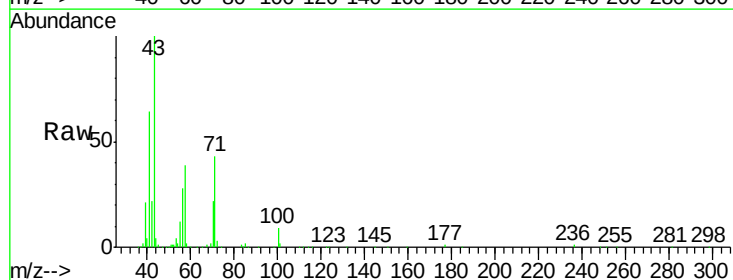
Acq: 7 Dec 2020 13:47

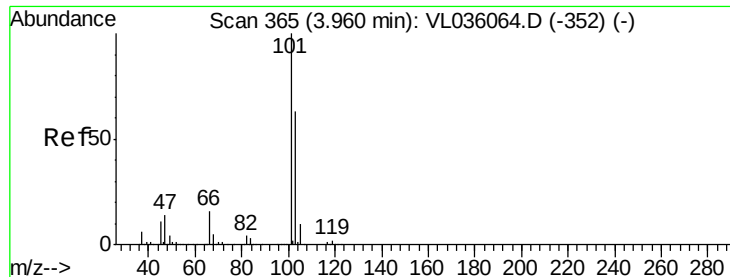
Tgt Ion: 43 Resp: 194962

Ion Ratio Lower Upper

43 100

57 46.1 37.9 56.9





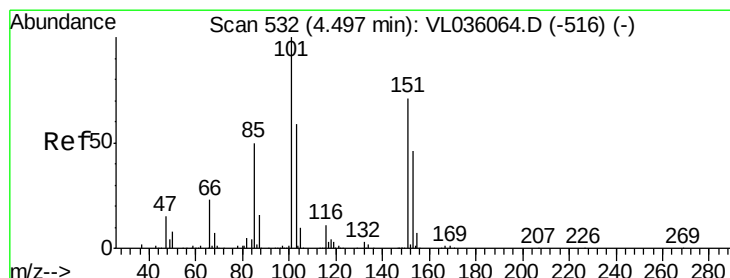
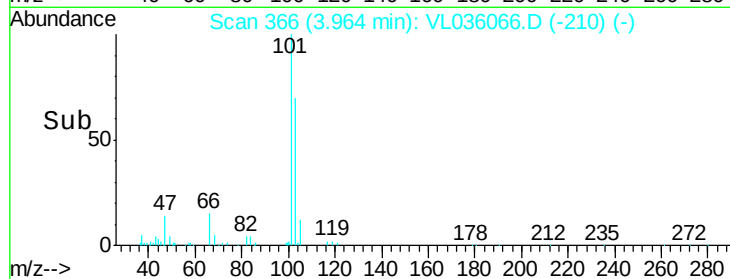
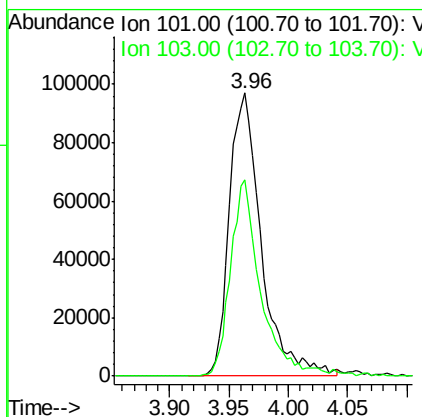
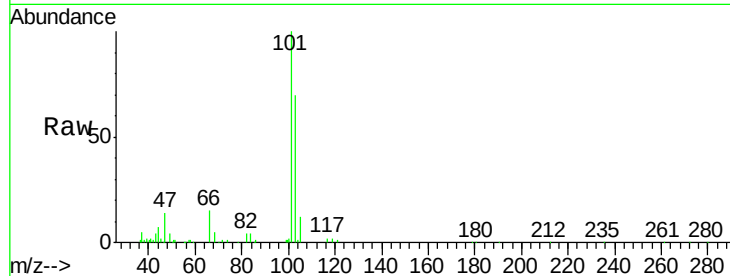
#11
 Trichlorofluoromethane
 Concen: 0.612 ppbv m
 RT: 3.96 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.6	50.3	75.5

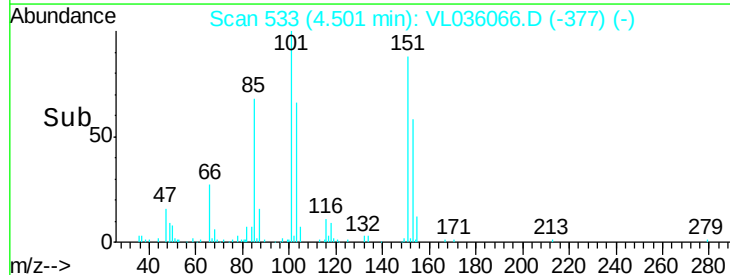
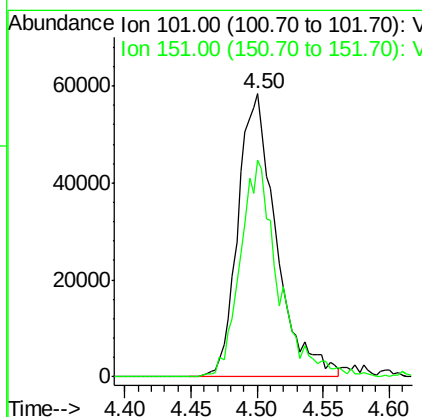
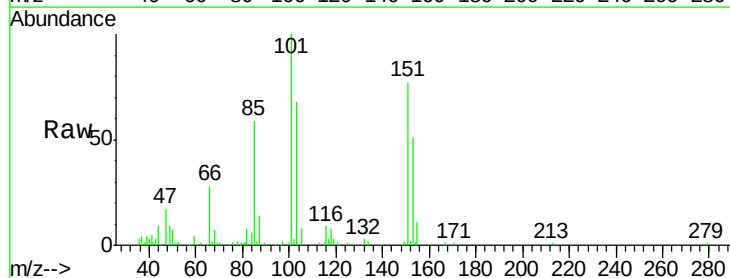
Manual Integrations
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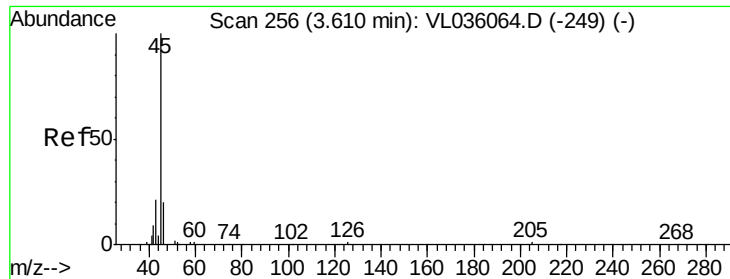
MMDadoda
 12/10/2020 9:53:16 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.524 ppbv m
 RT: 4.50 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
101	100		
151	76.4	59.3	88.9





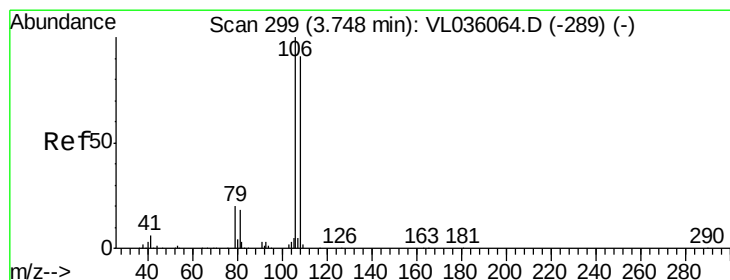
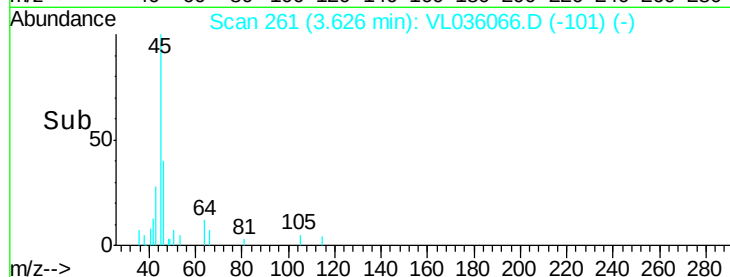
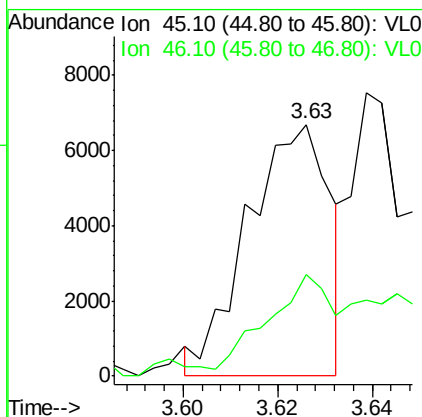
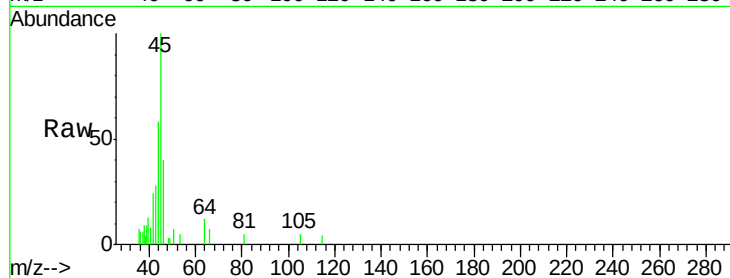
#13
Ethanol
Concen: 0.762 ppbv m
RT: 3.63 min Scan# 261
Delta R.T. 0.02 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 8048
Ion Ratio Lower Upper
45 100
46 79.5 19.0 75.8#

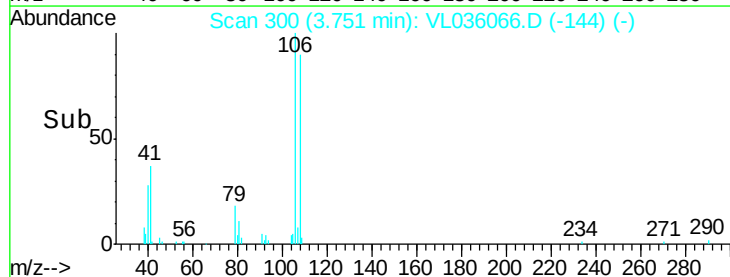
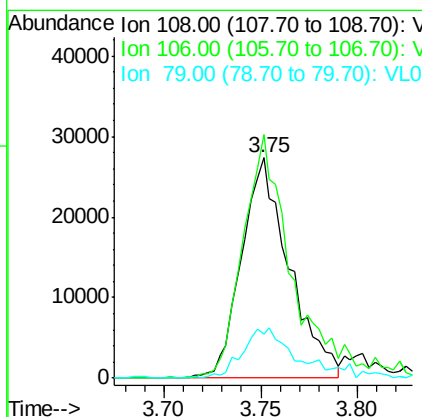
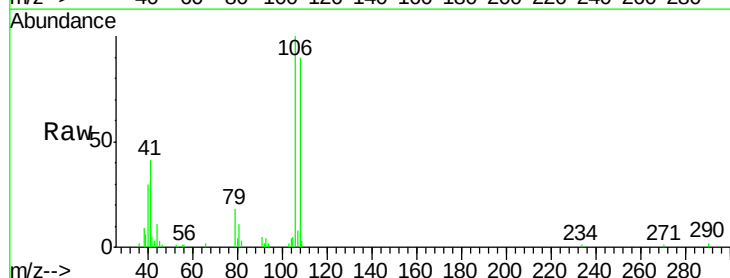
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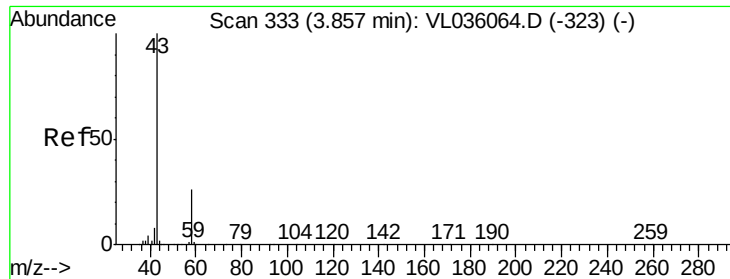
MMDadoda
12/10/2020 9:53:16 AM



#14
Bromoethene
Concen: 0.513 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion: 108 Resp: 46823
Ion Ratio Lower Upper
108 100
106 117.2 91.0 136.4
79 26.9 19.3 28.9





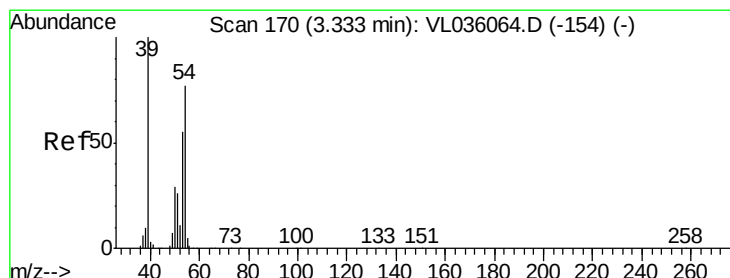
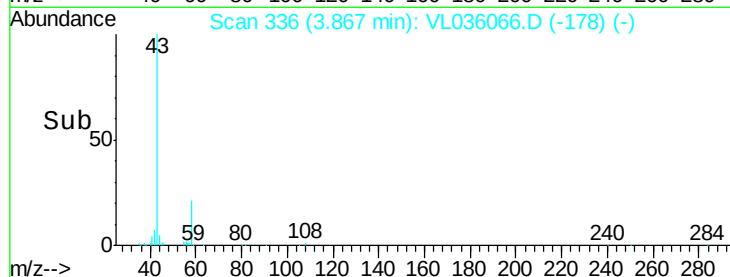
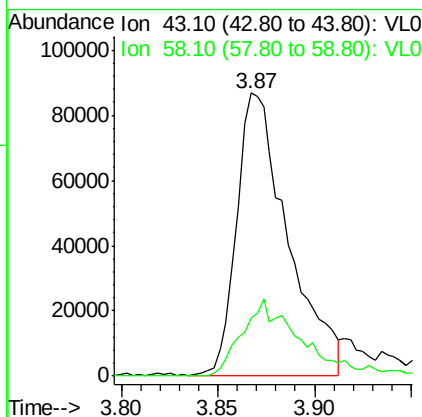
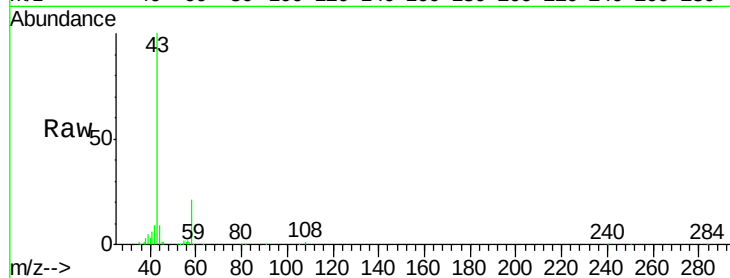
#15
Acetone
Concen: 1.209 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.01 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 159325
Ion Ratio Lower Upper
43 100
58 33.0 20.9 31.3#

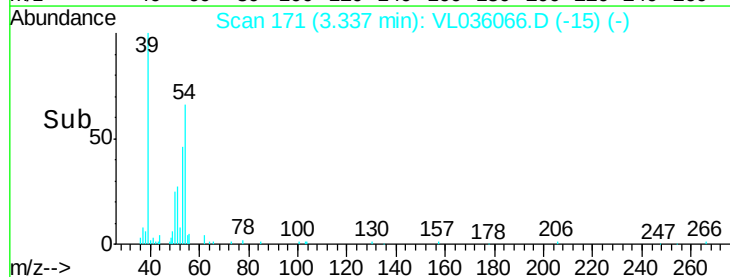
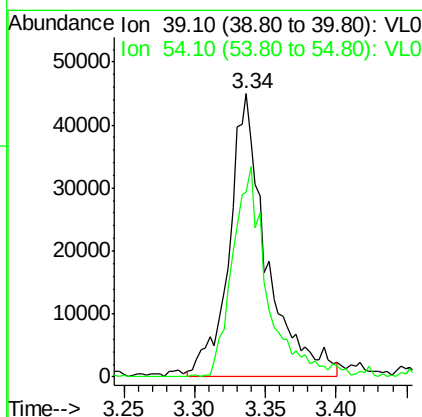
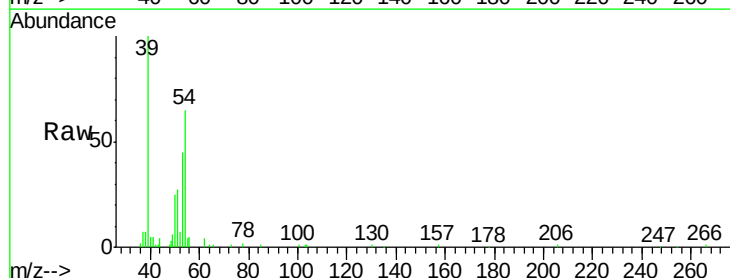
Manual Integrations
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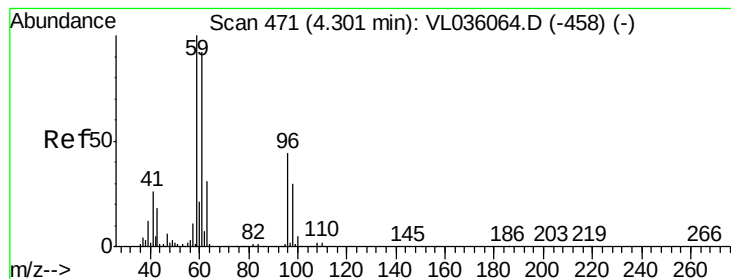
MMDadoda
12/10/2020 9:53:16 AM



#16
1,3-Butadiene
Concen: 1.436 ppbv m
RT: 3.34 min Scan# 171
Delta R.T. 0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion: 39 Resp: 83156
Ion Ratio Lower Upper
39 100
54 70.6 62.1 93.1





#17

tert-Butyl alcohol

Concen: 1.153 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 59 Resp: 166557

Ion Ratio Lower Upper

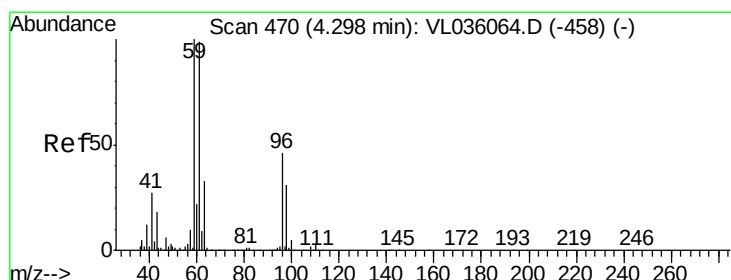
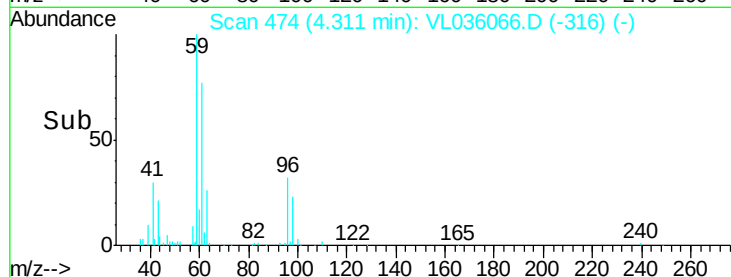
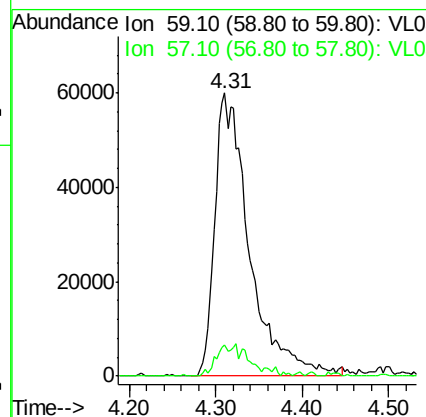
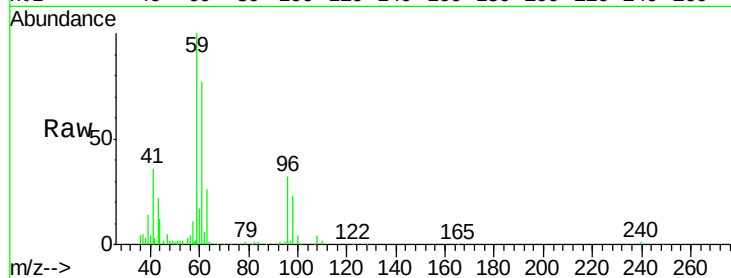
59 100

57 0.0 8.7 13.1#

Manual Integrations
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MMDadoda

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#18

1,1-Dichloroethene

Concen: 0.513 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

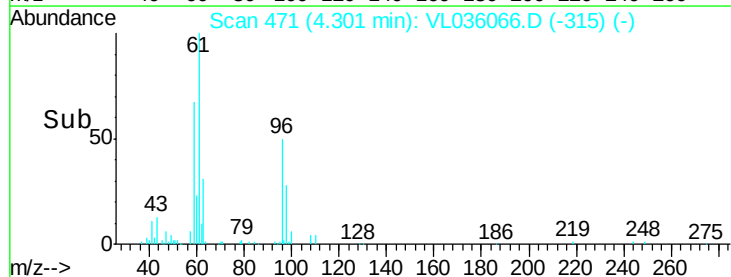
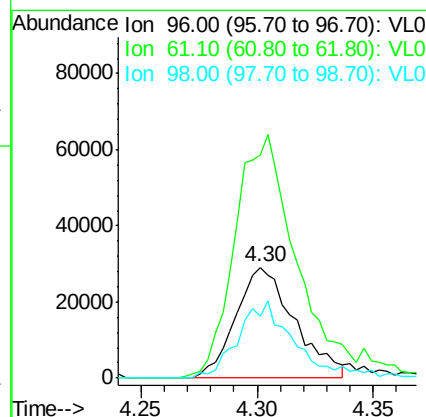
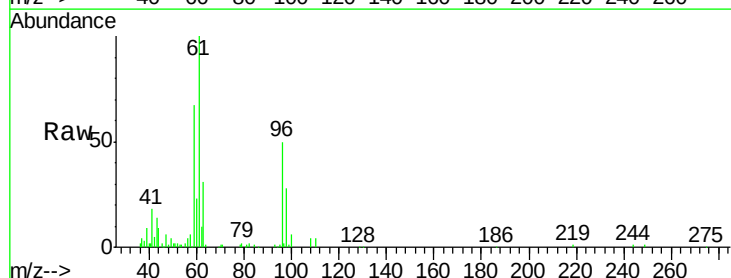
Tgt Ion: 96 Resp: 51215

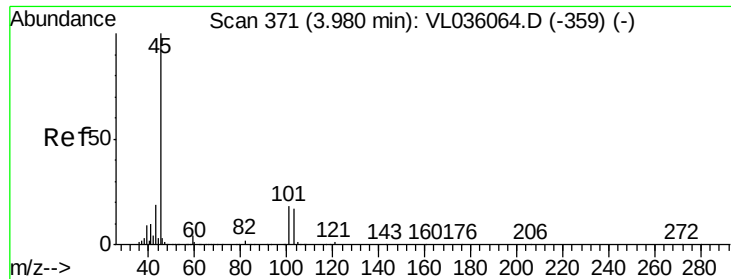
Ion Ratio Lower Upper

96 100

61 197.7 171.4 257.2

98 55.5 54.2 81.2





#19

Isopropyl Alcohol

Concen: 1.467 ppbv m

RT: 3.99 min Scan# 375

Delta R.T. 0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Tot Ion: 45 Resp: 103736

Ion Ratio Lower Upper

45 100

58 0.0 0.0 0.0

Instrument :

MSVOA_L

ClientSampleId :

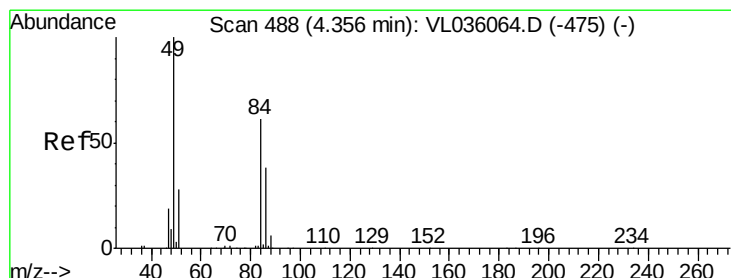
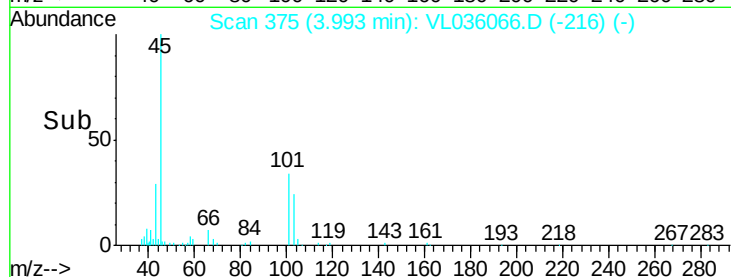
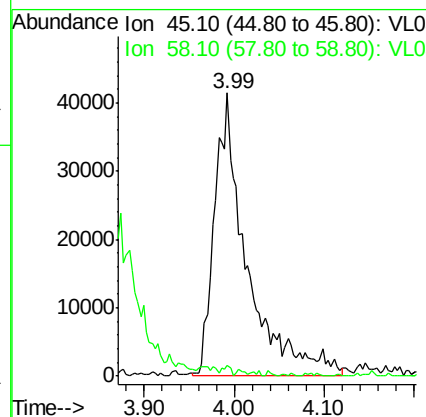
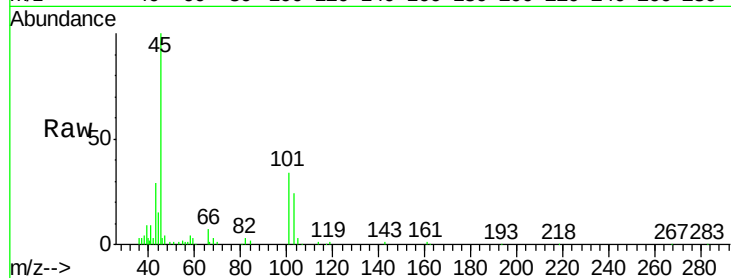
VSTDIC001

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#20

Methylene Chloride

Concen: 0.658 ppbv m

RT: 4.36 min Scan# 489

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Tgt Ion: 84 Resp: 74972

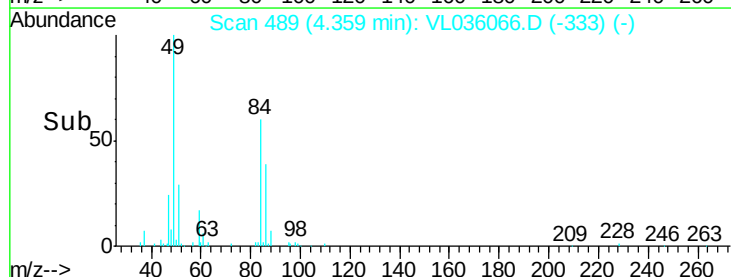
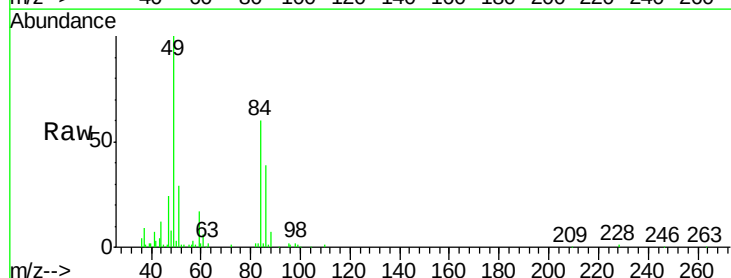
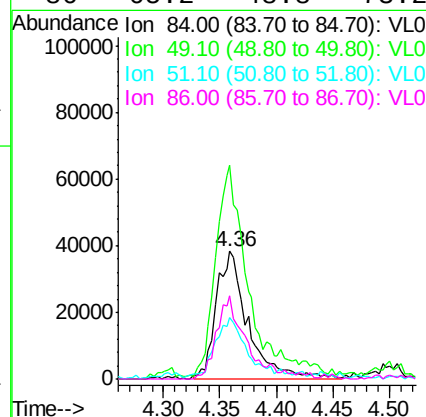
Ion Ratio Lower Upper

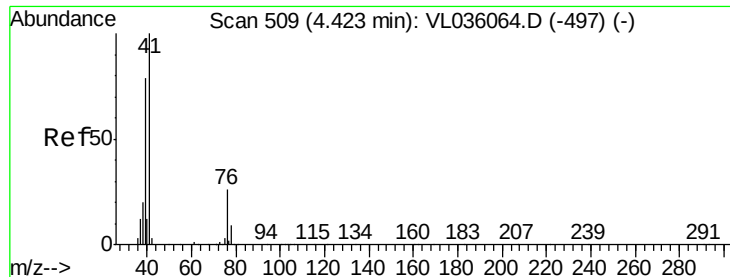
84 100

49 167.5 133.0 199.4

51 48.2 38.9 58.3

86 65.2 48.8 73.2





#21

Allvl Chloride

Concen: 1.509 ppbv m

RT: 4.43 min Scan# 511

Delta R.T. 0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

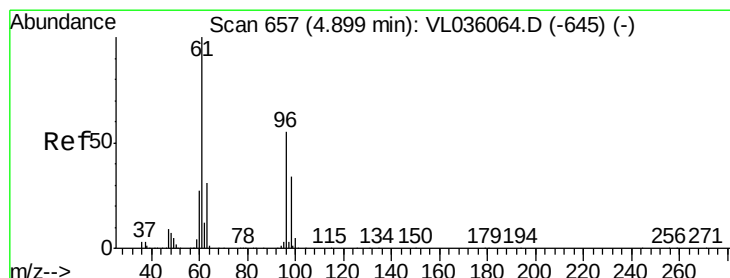
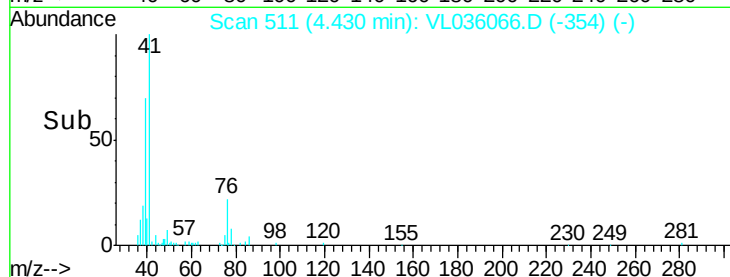
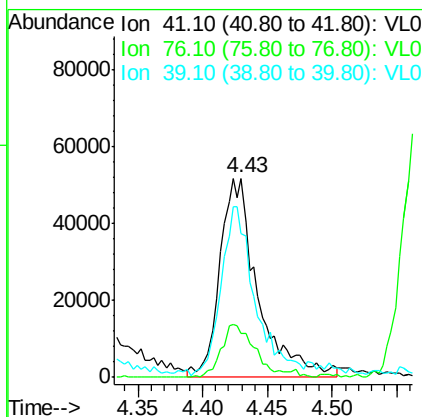
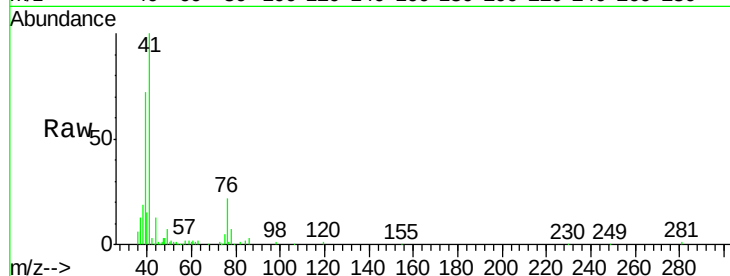
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	105964
Ion Ratio	Lower	Upper	
41	100		
76	24.8	21.0	31.4
39	0.0	66.0	99.0#

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#22

trans-1,2-Dichloroethene

Concen: 0.543 ppbv m

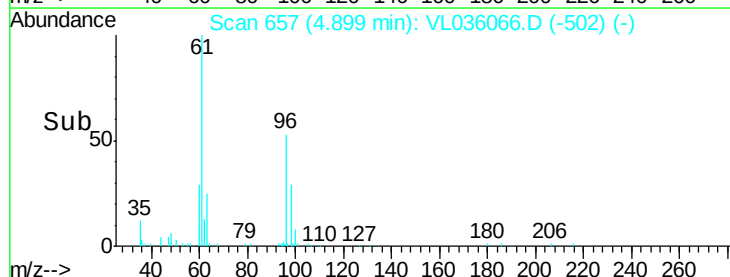
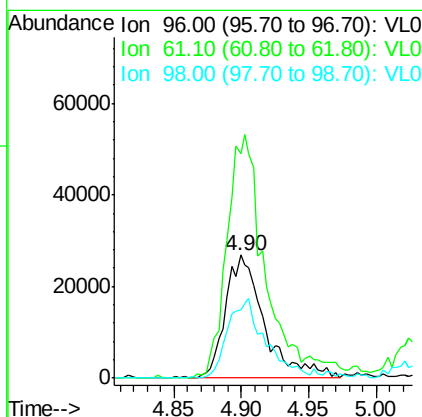
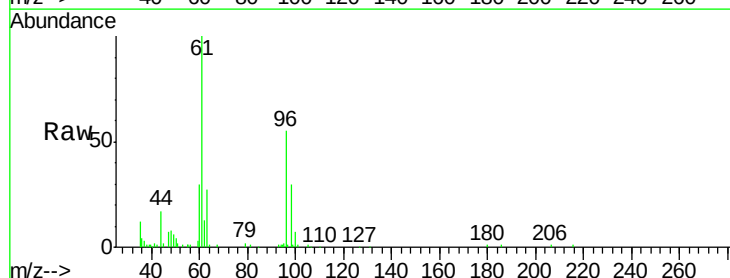
RT: 4.90 min Scan# 657

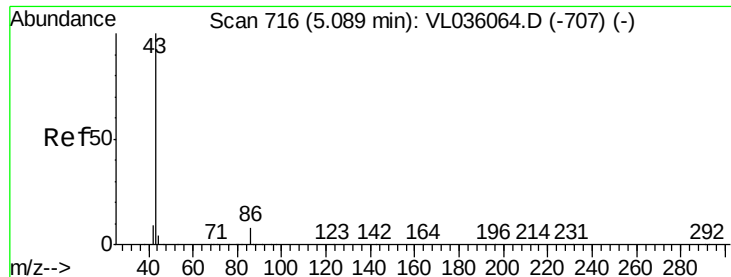
Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Tgt Ion:	96	Resp:	53827
Ion Ratio	Lower	Upper	
96	100		
61	182.4	145.7	218.5
98	55.2	49.2	73.8





#23

Vinyl Acetate

Concen: 1.225 ppbv

RT: 5.09 min Scan# 716

Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

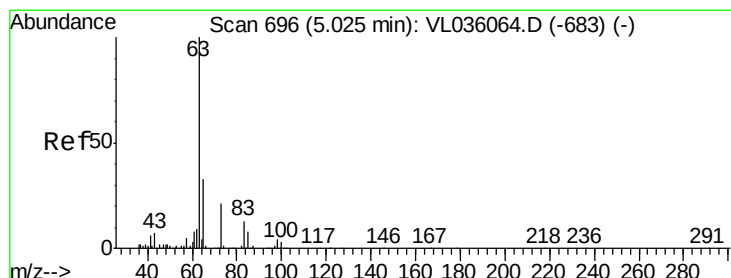
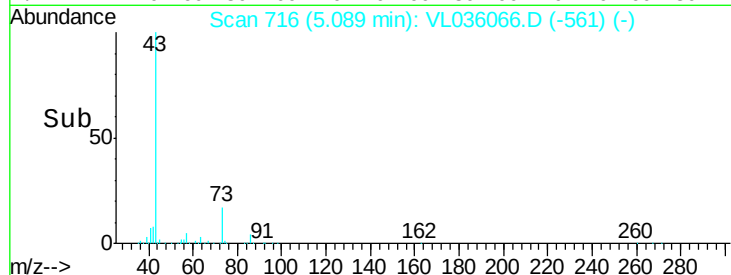
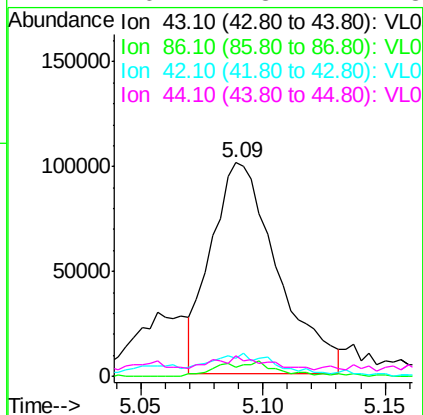
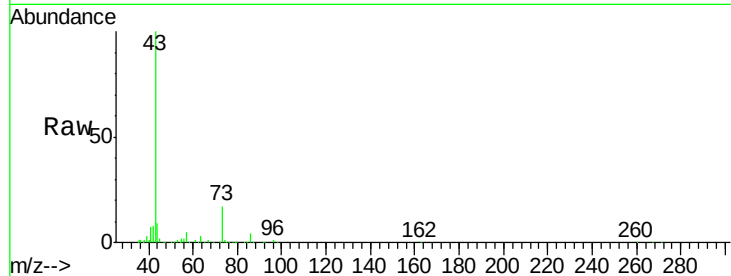
ClientSampleId :

VSTDIC001

Tot Ion	43	Resp	190691
Ion Ratio	Lower	Upper	
43	100		
86	3.7	5.0	7.4#
42	7.5	7.8	11.6#
44	6.4	3.2	4.8#

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#24

1,1-Dichloroethane

Concen: 0.848 ppbv m

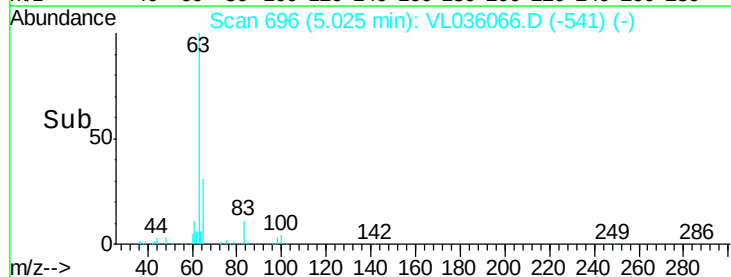
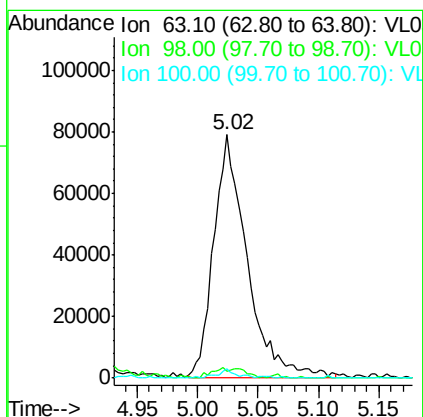
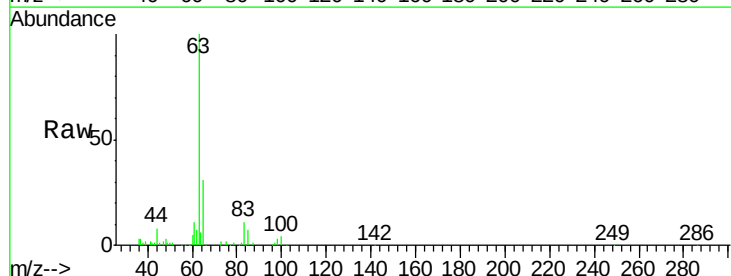
RT: 5.02 min Scan# 696

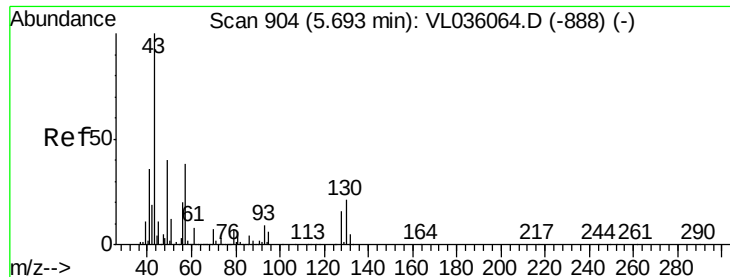
Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Tgt Ion	63	Resp	150814
Ion Ratio	Lower	Upper	
63	100		
98	2.8	2.2	6.6
100	3.9	1.5	4.4





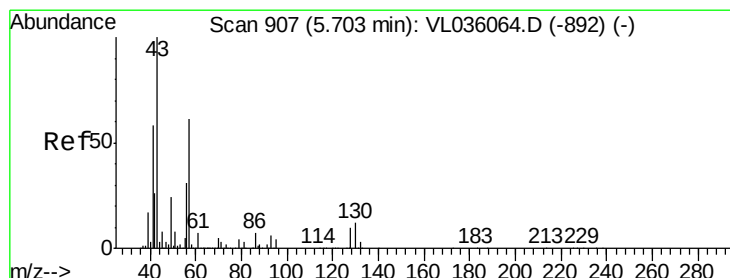
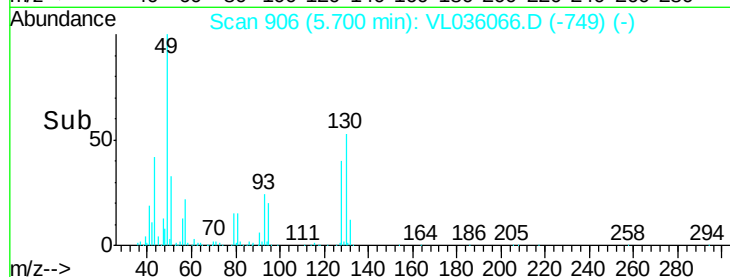
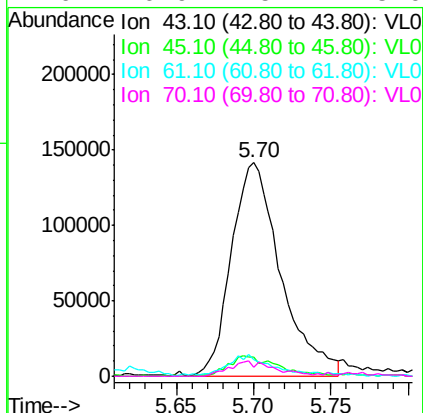
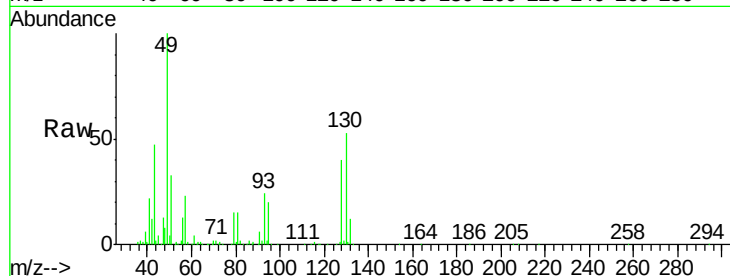
#25
Ethyl Acetate
Concen: 1.180 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.2	12.4
61	9.5	7.4	11.2
70	6.9	5.4	8.0

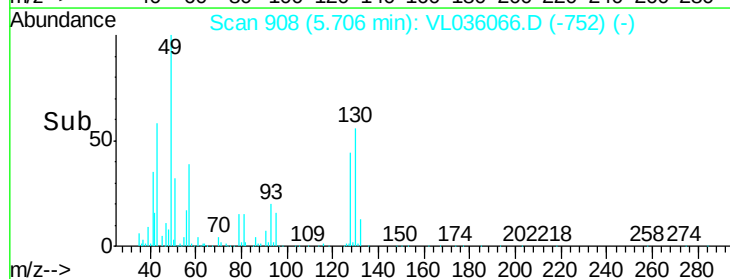
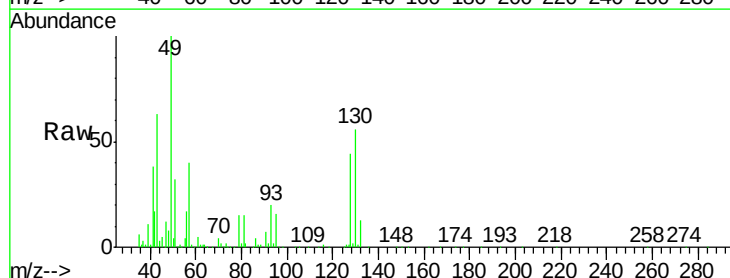
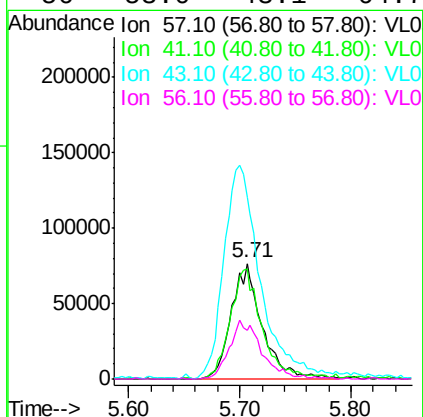
Manual Integrations
APPROVED

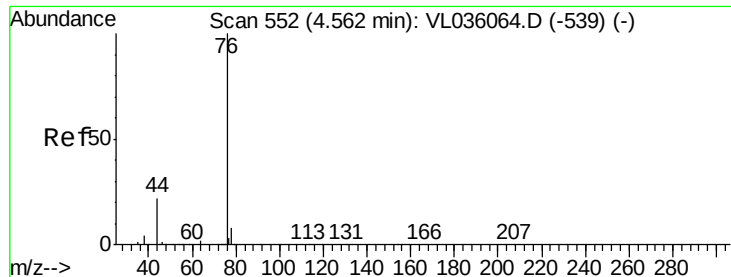
MMDadoda
12/10/2020 9:53:16 AM



#26
Hexane
Concen: 1.049 ppbv m
RT: 5.71 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
57	100		
41	100.3	82.9	124.3
43	226.3	199.9	299.9
56	53.0	43.1	64.7





#27

Carbon Disulfide

Concen: 0.651 ppbv

RT: 4.57 min Scan# 554

Delta R.T. 0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

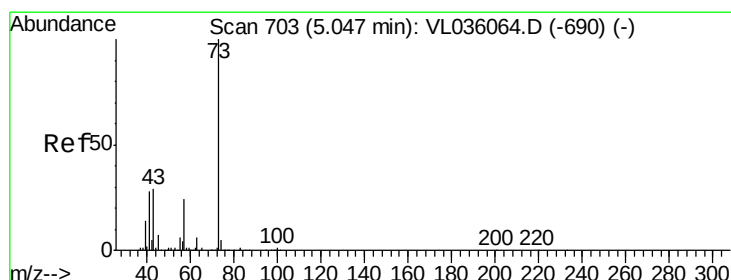
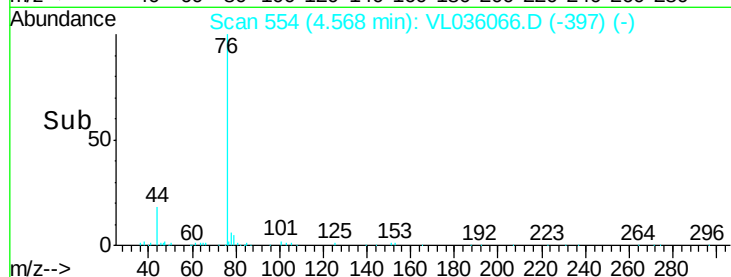
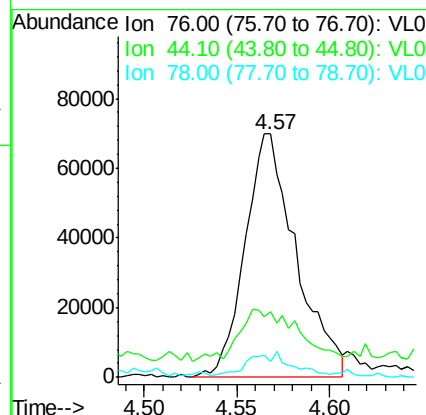
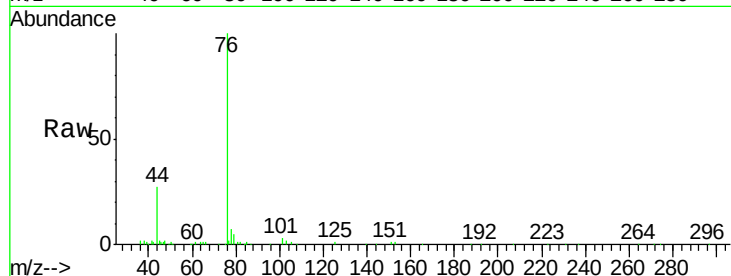
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	133456
Ion	Ratio	Lower	Upper
76	100		
44	24.4	17.9	26.9
78	11.1	7.8	11.8

Manual Integrations
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MMDadoda
12/10/2020 9:53:16 AM



#28

Methyl tert-Butyl Ether

Concen: 0.931 ppbv

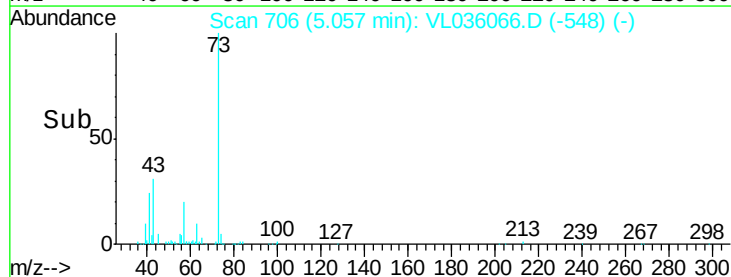
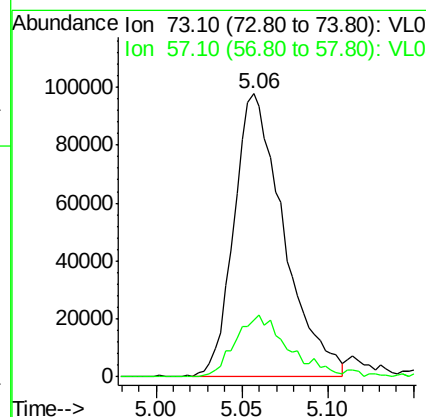
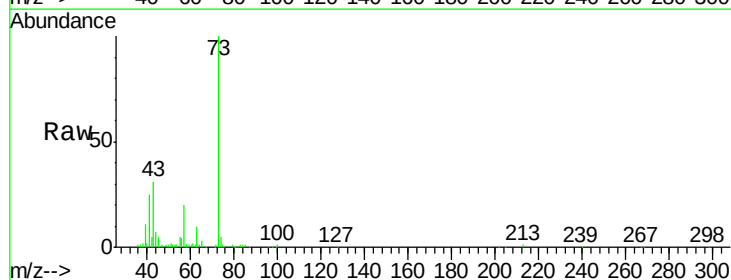
RT: 5.06 min Scan# 706

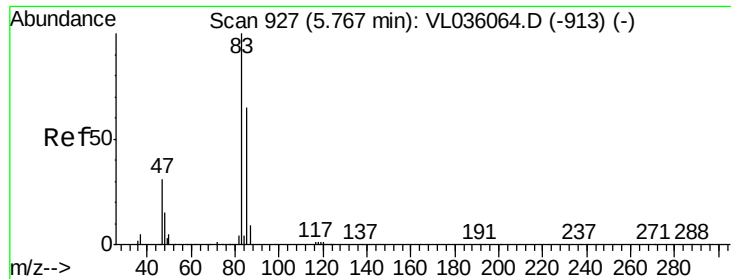
Delta R.T. 0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Tgt Ion:	73	Resp:	195191
Ion	Ratio	Lower	Upper
73	100		
57	24.7	19.2	28.8





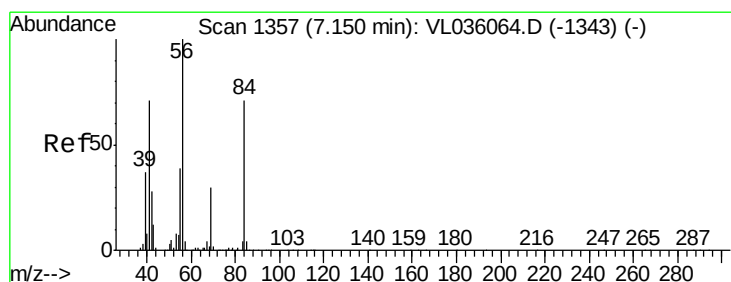
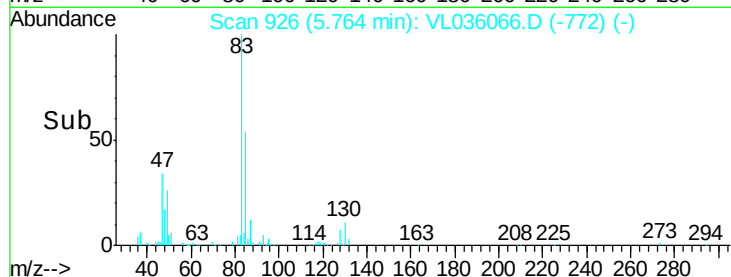
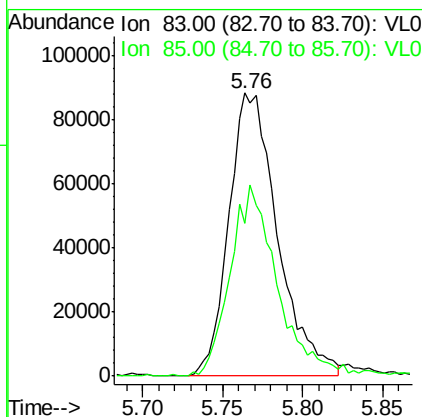
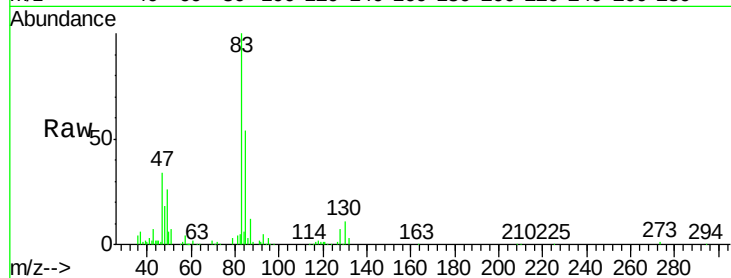
#29
Chloroform
Concen: 0.688 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	182937
Ion Ratio	100	Lower	Upper
85	53.7	51.8	77.6

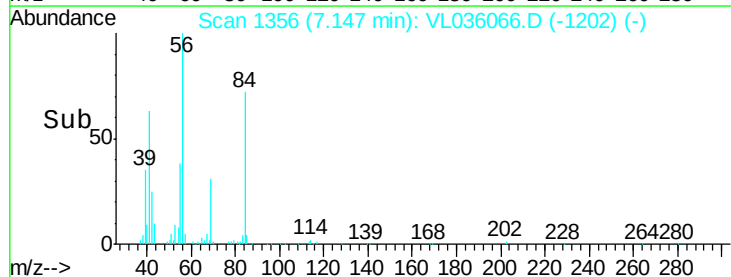
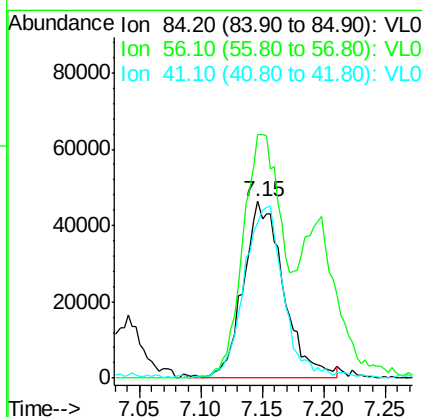
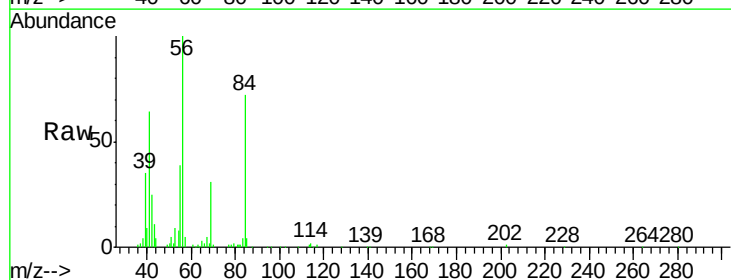
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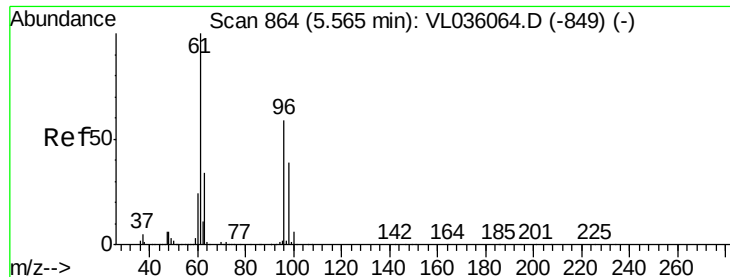
MMDadoda
12/10/2020 9:53:16 AM



#30
Cyclohexane
Concen: 0.796 ppbv m
RT: 7.15 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion	84	Resp	105787
Ion Ratio	100	Lower	Upper
56	133.8	128.0	192.0
41	0.0	81.3	121.9#





#31

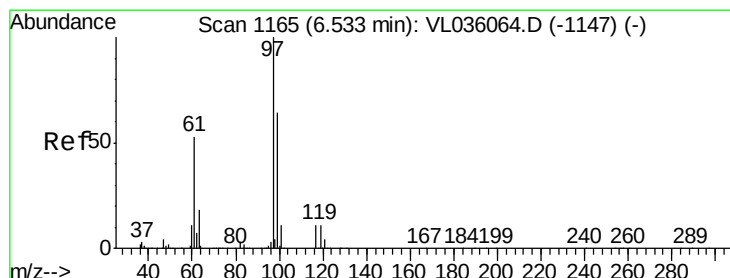
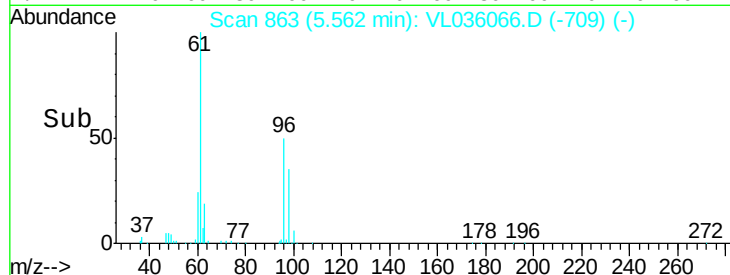
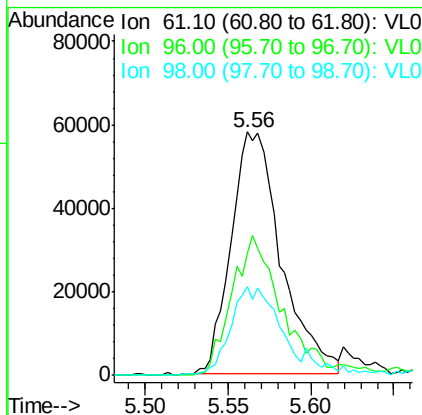
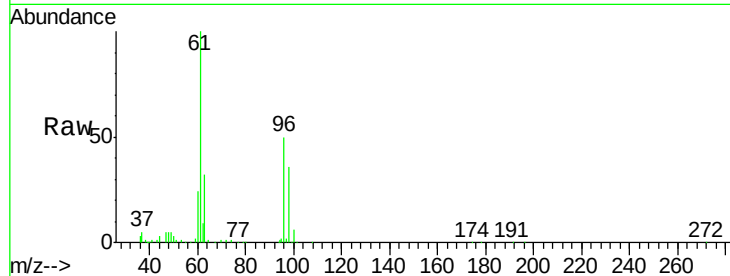
cis-1,2-Dichloroethene
Concen: 0.950 ppbv
RT: 5.56 min Scan# 863
Delta R.T. -0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
61	100		
96	50.4	47.3	70.9
98	35.7	31.4	47.0

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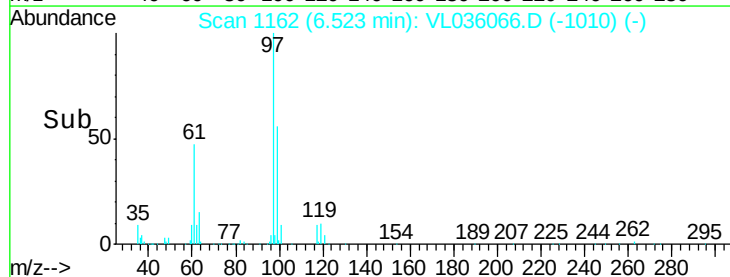
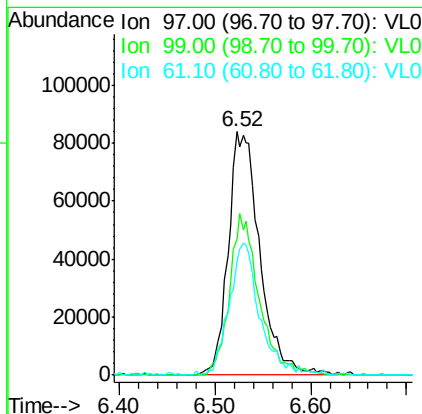
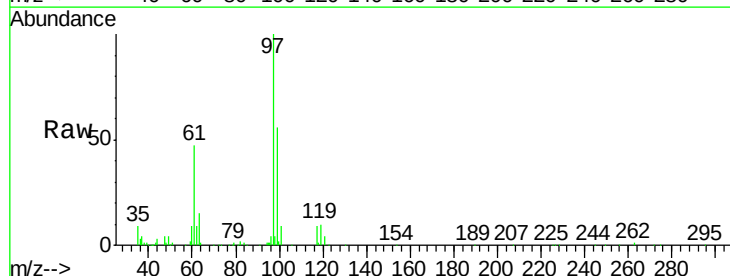
MMDadoda
12/10/2020 9:53:16 AM

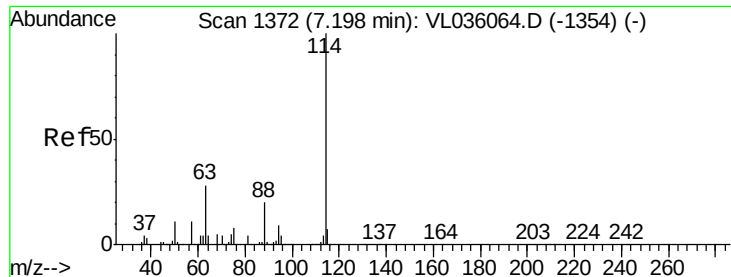


#32

1,1,1-Trichloroethane
Concen: 0.786 ppbv m
RT: 6.52 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.4	78.6#
61	53.6	43.4	65.0





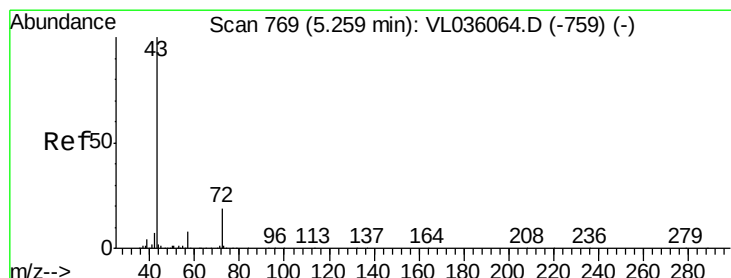
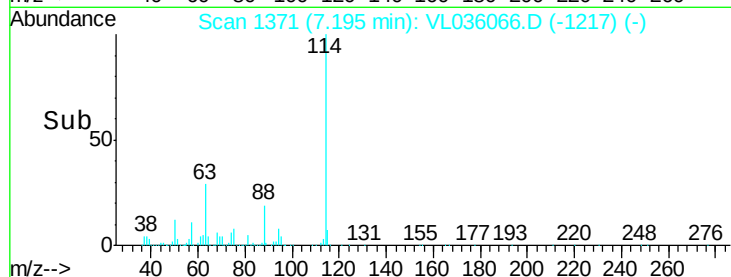
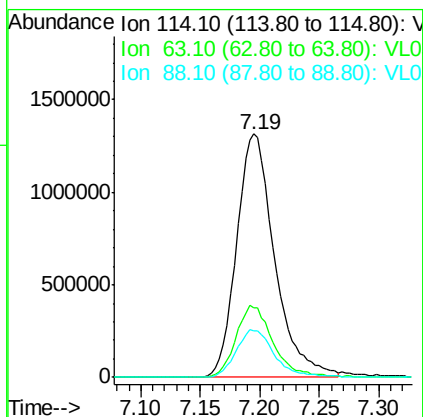
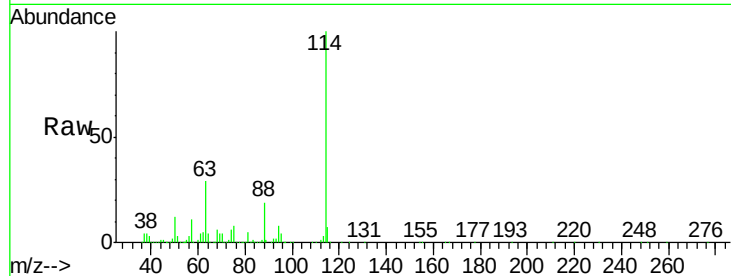
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.3	23.6	35.4
88	19.8	15.8	23.6

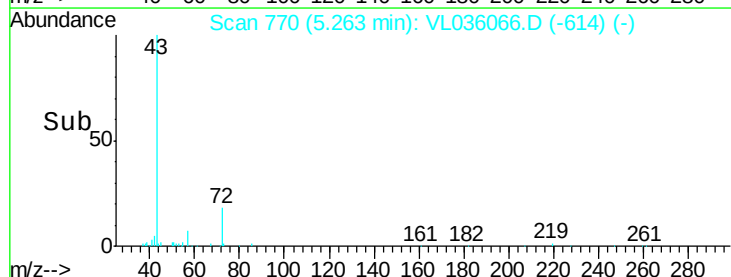
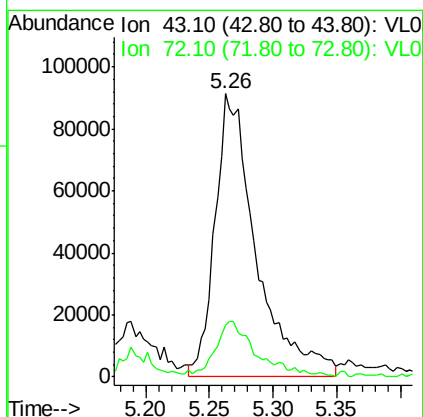
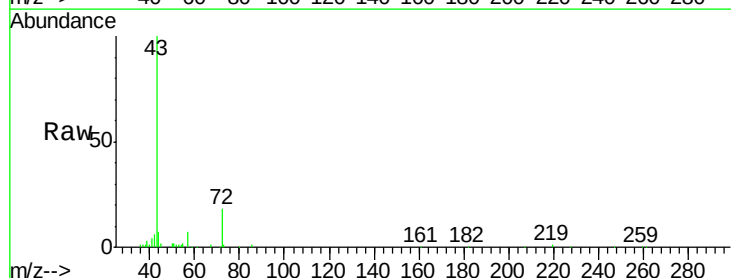
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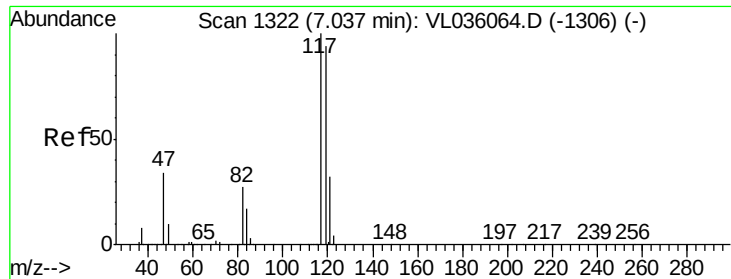
MMDadoda
 12/10/2020 9:53:16 AM



#34
 2-Butanone
 Concen: 2.062 ppbv m
 RT: 5.26 min Scan# 770
 Delta R.T. 0.00 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.5	24.7#





#35

Carbon Tetrachloride

Concen: 1.157 ppbv m

RT: 7.04 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

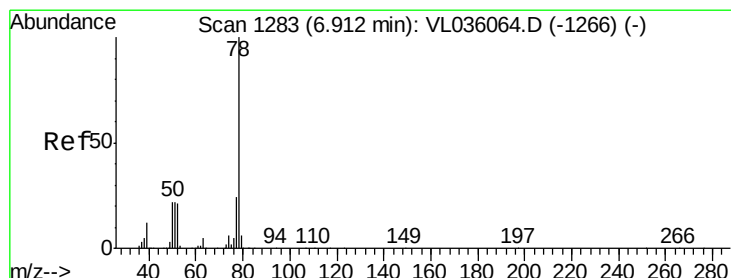
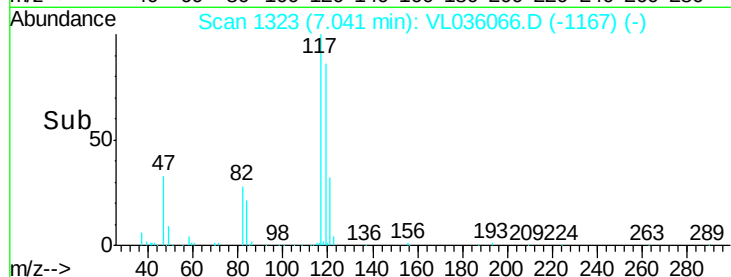
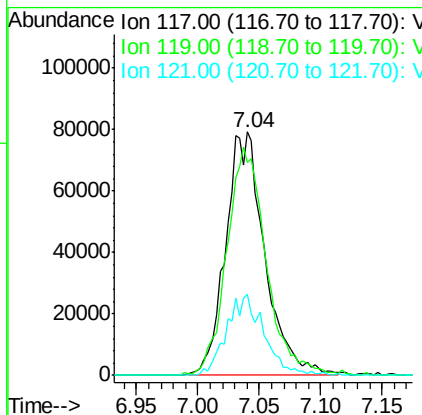
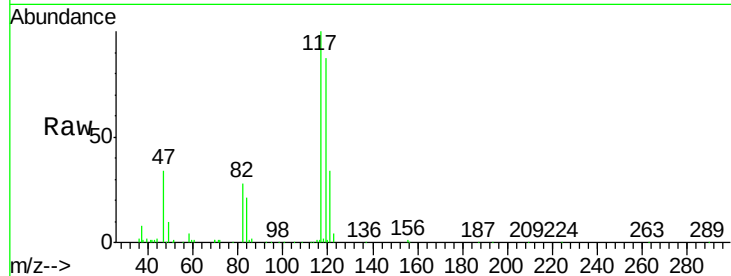
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	176311
Ion Ratio	Lower	Upper	
117	100		
119	87.2	75.1	112.7
121	33.6	25.6	38.4

Manual Integrations
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MMDadoda
12/10/2020 9:53:16 AM



#36

Benzene

Concen: 1.315 ppbv m

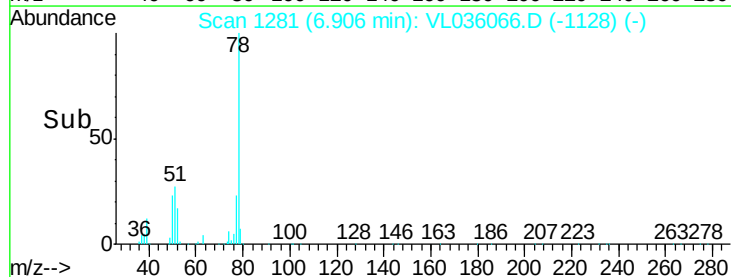
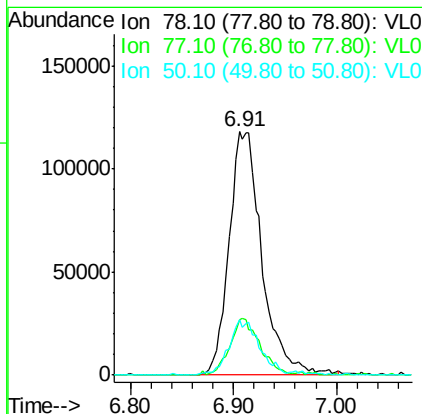
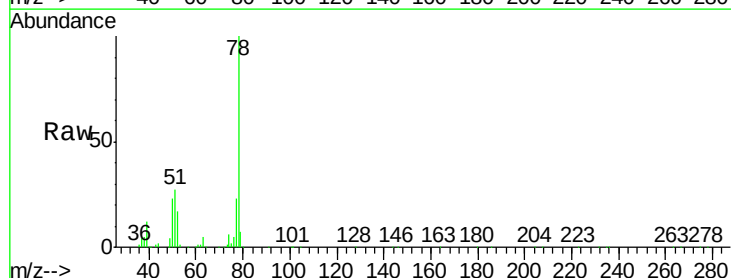
RT: 6.91 min Scan# 1281

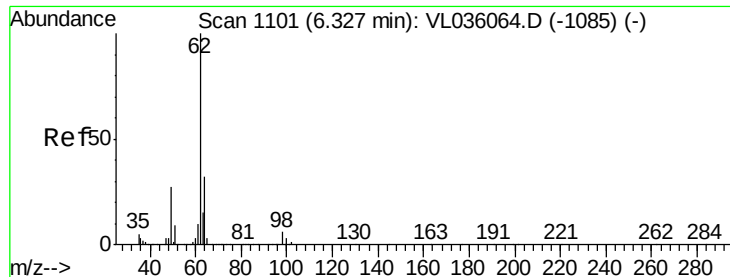
Delta R.T. -0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Tgt Ion:	78	Resp:	262285
Ion Ratio	Lower	Upper	
78	100		
77	23.0	19.4	29.2
50	22.8	17.8	26.8





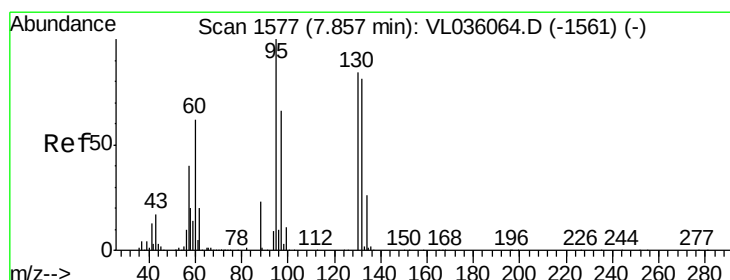
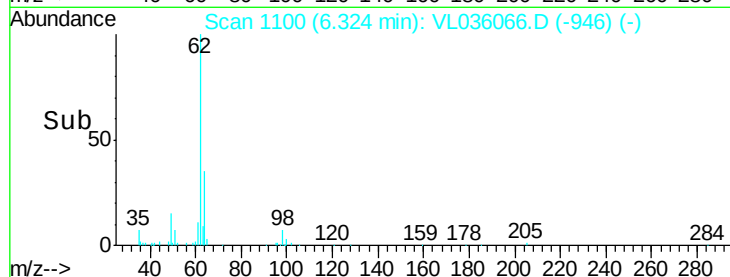
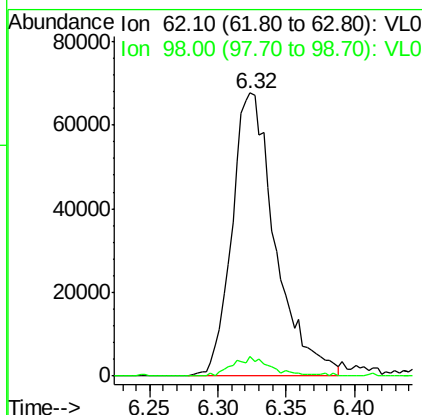
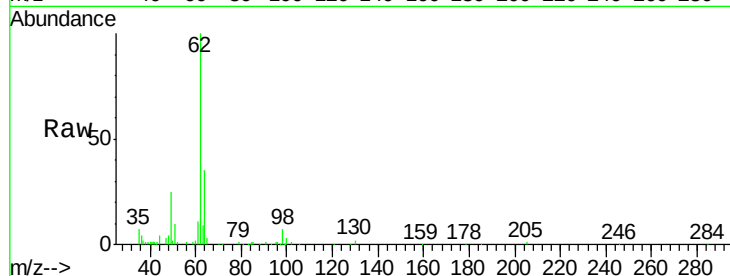
#37
 1,2-Dichloroethane
 Concen: 1.445 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. -0.00 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.6	7.0

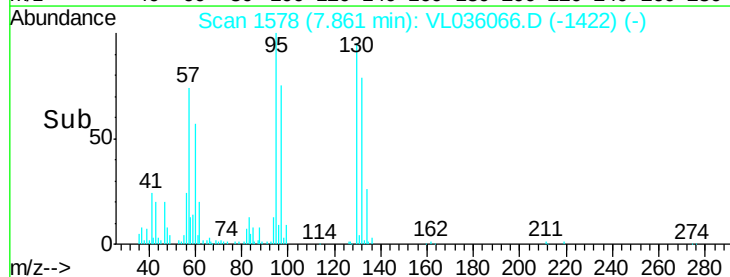
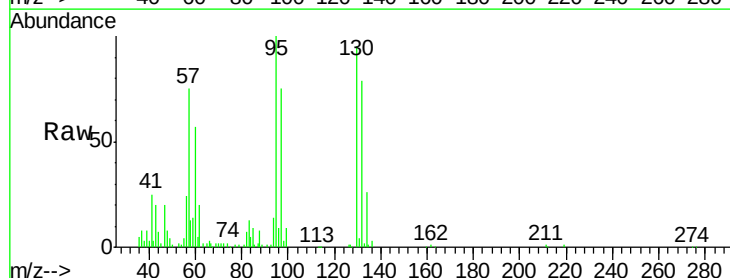
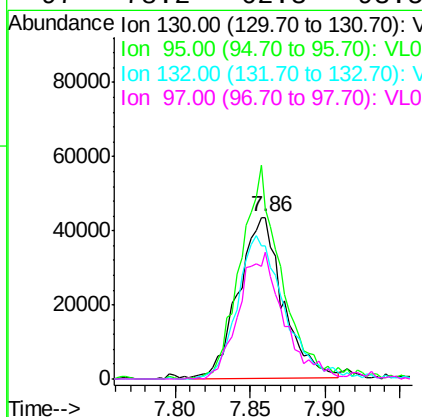
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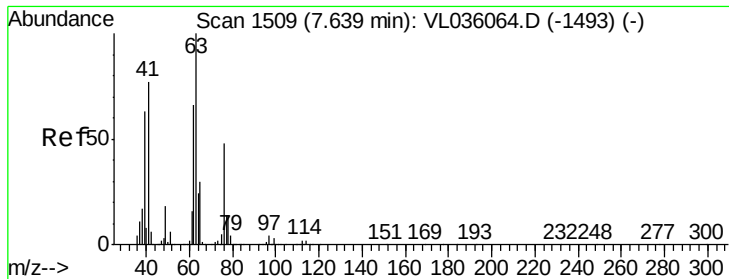
MMDadoda
 12/10/2020 9:53:16 AM



#38
 Trichloroethene
 Concen: 1.010 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	95.2	142.8
132	83.1	76.9	115.3
97	78.2	62.3	93.5





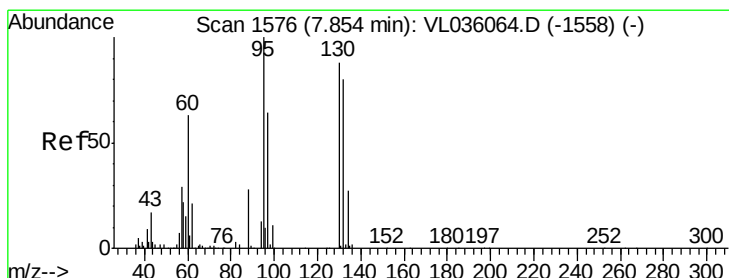
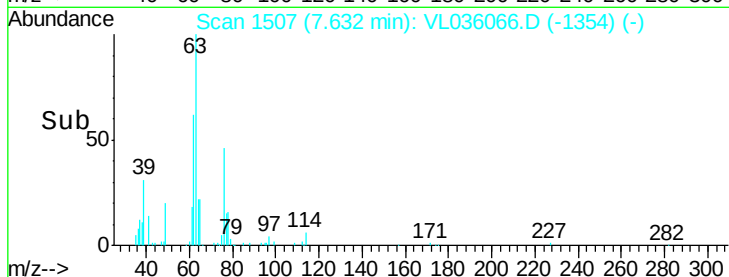
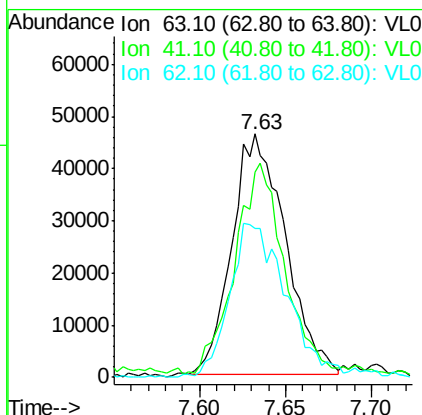
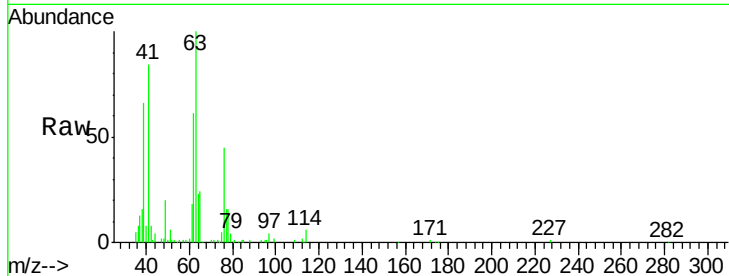
#39
 1,2-Dichloropropane
 Concen: 1.296 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. -0.01 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	83.9	61.9	92.9
62	61.3	52.5	78.7

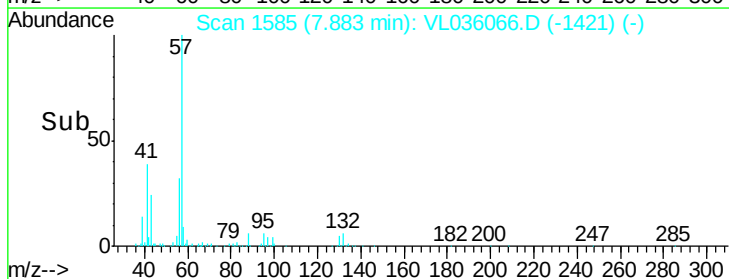
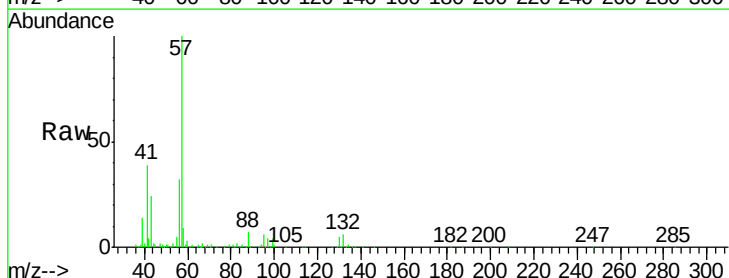
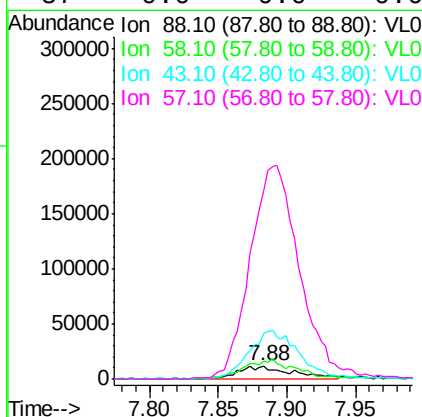
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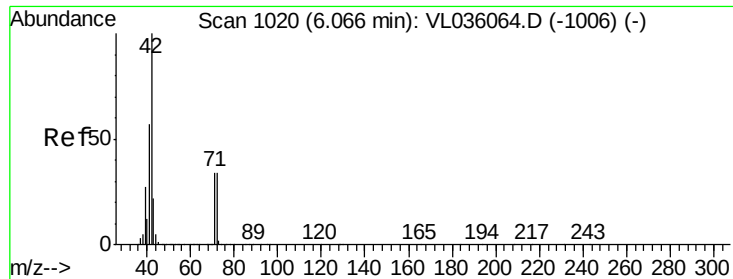
MMDadoda
 12/10/2020 9:53:16 AM



#40
 1,4-Dioxane
 Concen: 1.263 ppbv m
 RT: 7.88 min Scan# 1585
 Delta R.T. 0.03 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





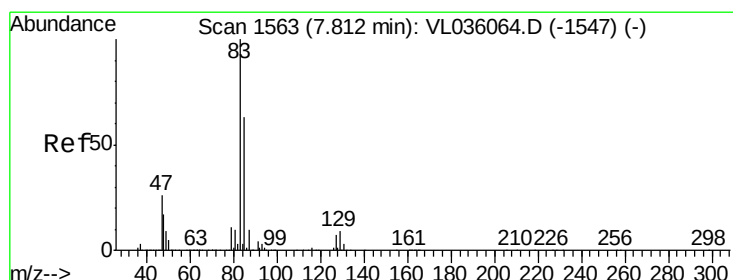
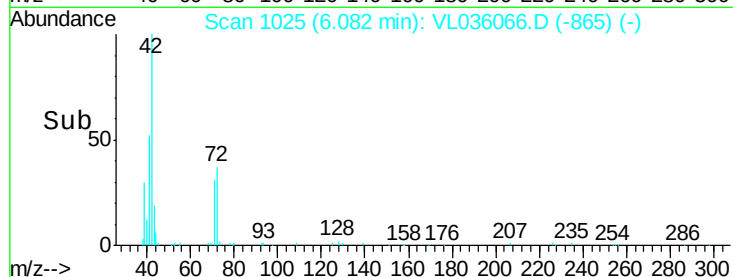
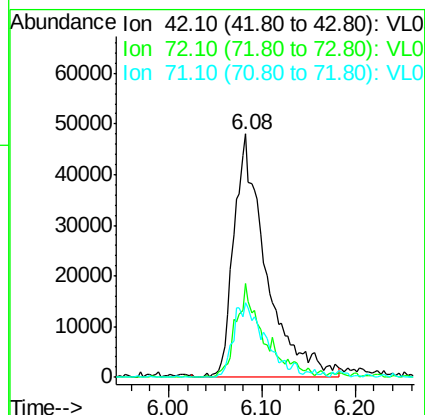
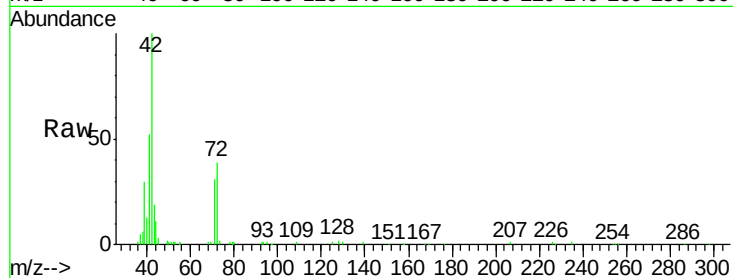
#41
Tetrahydrofuran
Concen: 2.224 ppbv m
RT: 6.08 min Scan# 1025
Delta R.T. 0.02 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.7	28.3	42.5
71	31.5	27.3	40.9

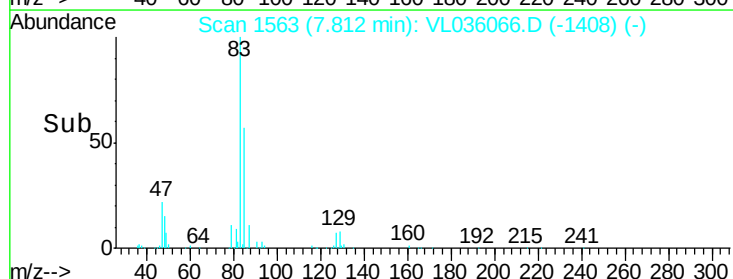
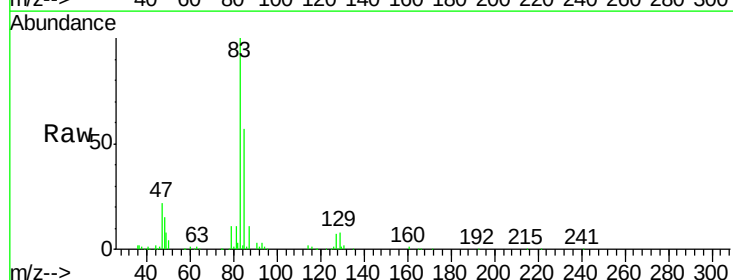
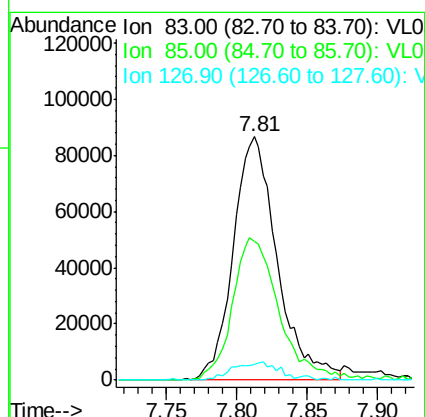
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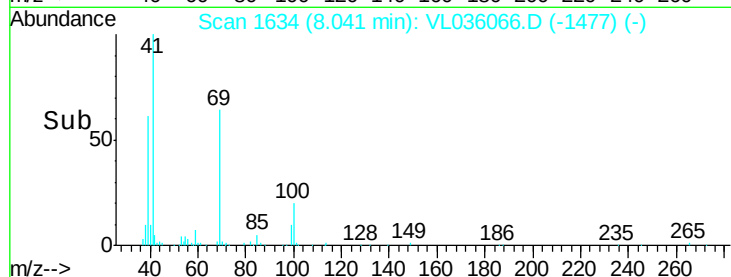
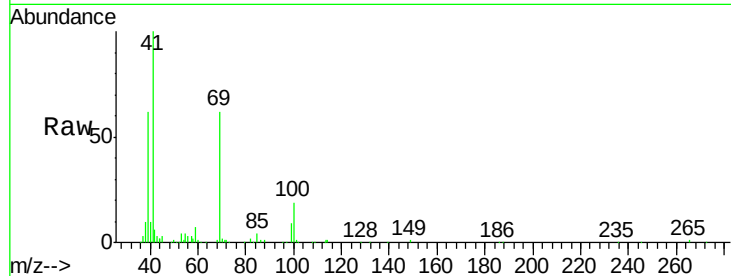
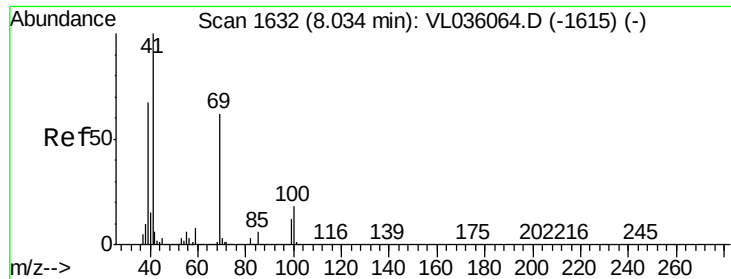
MMDadoda
12/10/2020 9:53:16 AM



#42
Bromodichloromethane
Concen: 1.149 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.1	50.2	75.2
127	6.7	5.5	8.3





#43

Methyl Methacrylate

Concen: 1.517 ppbv

RT: 8.04 min Scan# 1634

Delta R.T. 0.01 min

Lab File: VL036066.D

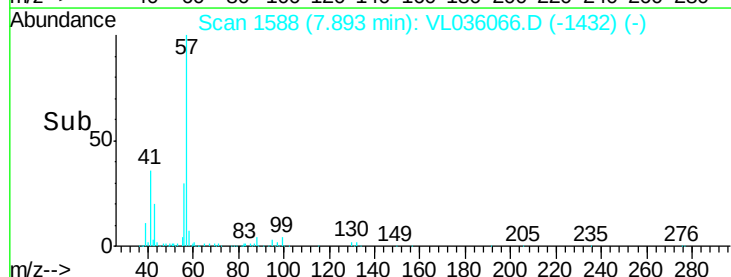
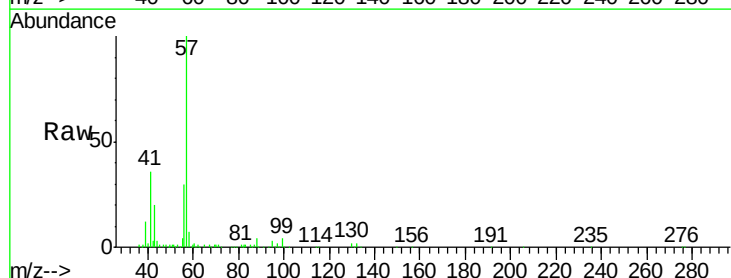
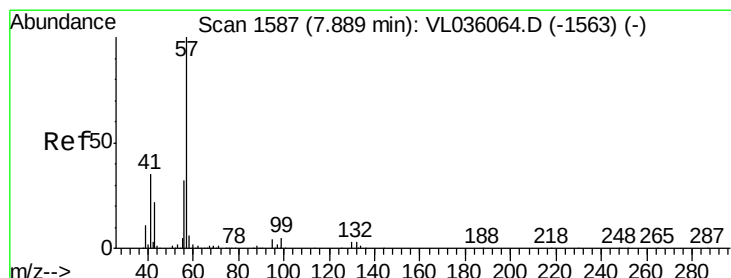
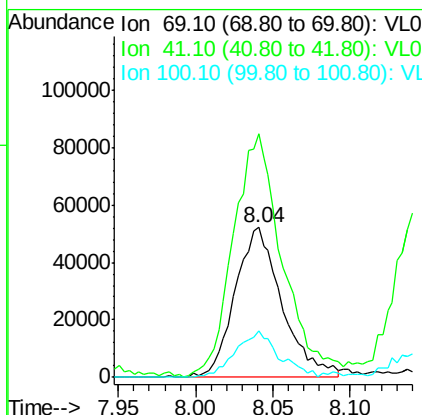
Acq: 7 Dec 2020 13:47

Tot Ion	Ratio	Lower	Upper
69	100		
41	172.0	133.0	199.6
100	28.6	25.4	38.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Manual Integrations
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MMDadoda
12/10/2020 9:53:16 AM



#44

2,2,4-Trimethylpentane

Concen: 1.598 ppbv

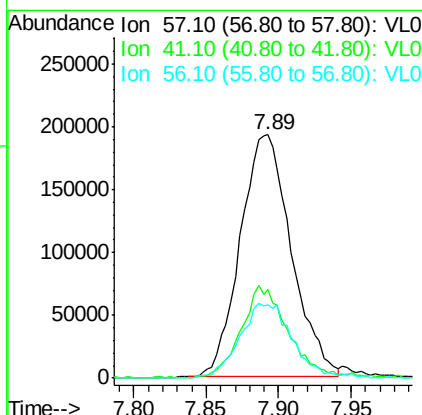
RT: 7.89 min Scan# 1588

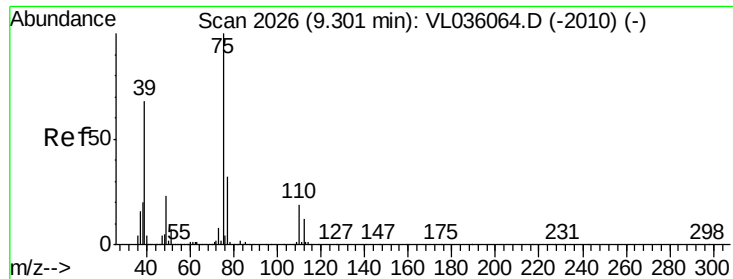
Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.5	28.9	43.3
56	32.2	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 1.483 ppbv m

RT: 9.30 min Scan# 2027

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 101803

Ion Ratio Lower Upper

75 100

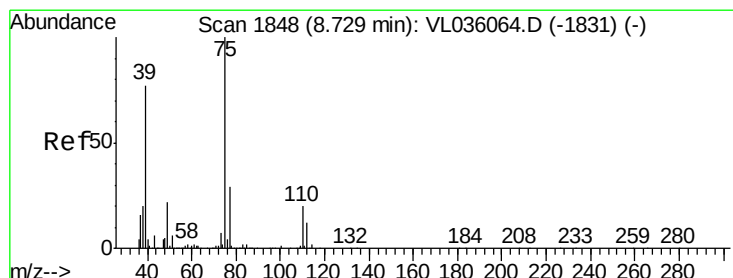
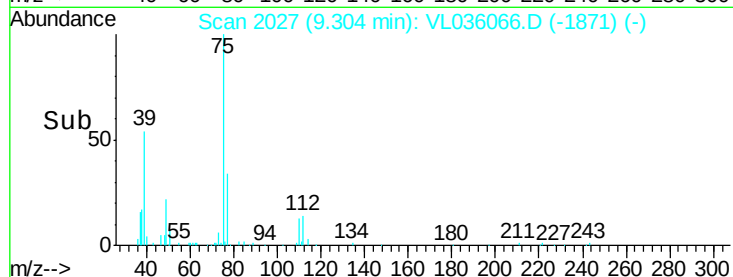
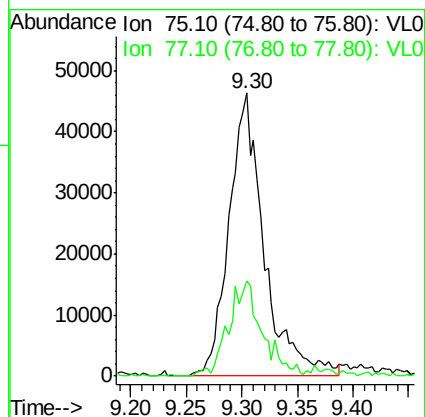
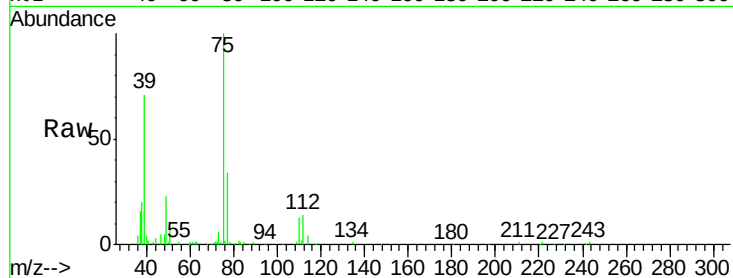
77 33.9 26.0 39.0

Manual Integrations

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MMDadoda

12/10/2020 9:53:16 AM



#46

cis-1,3-Dichloropropene

Concen: 1.486 ppbv m

RT: 8.73 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

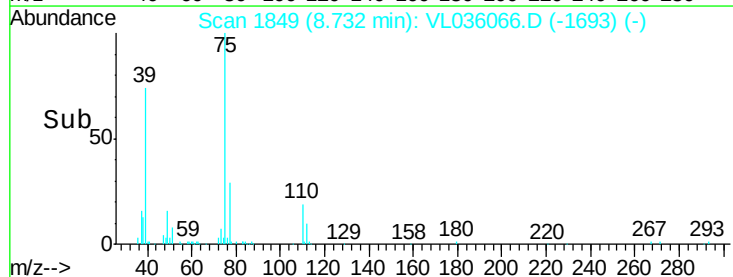
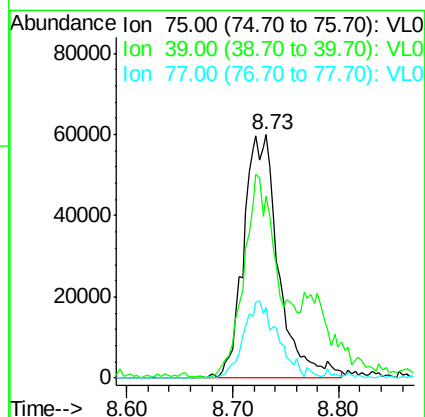
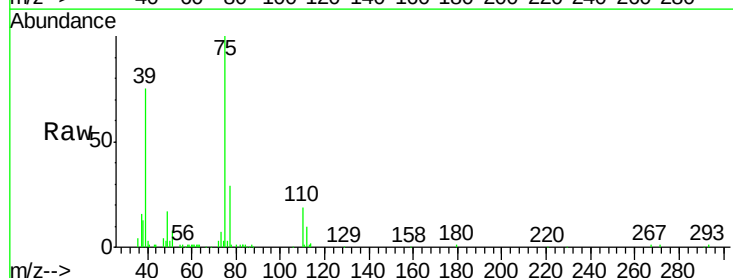
Tgt Ion: 75 Resp: 136736

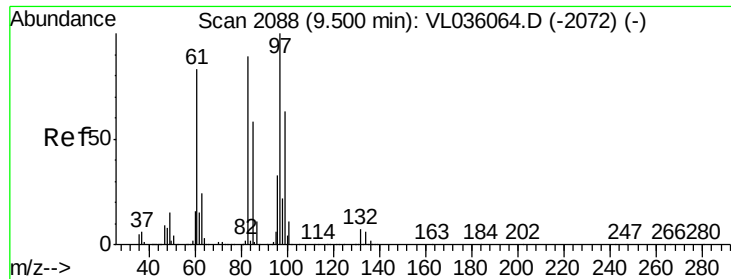
Ion Ratio Lower Upper

75 100

39 74.7 61.6 92.4

77 29.0 23.0 34.6





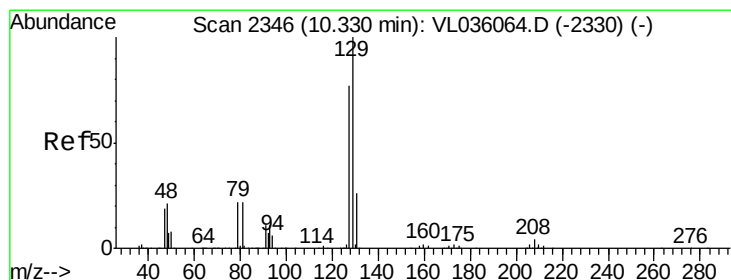
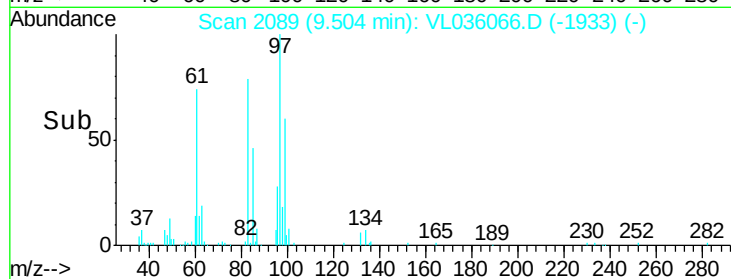
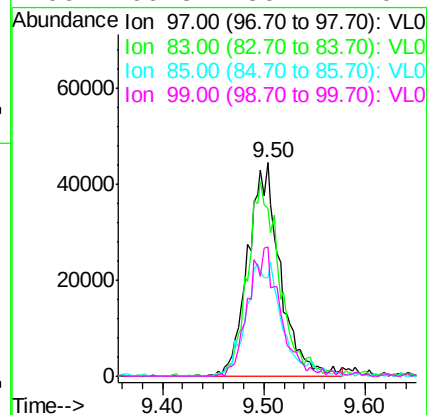
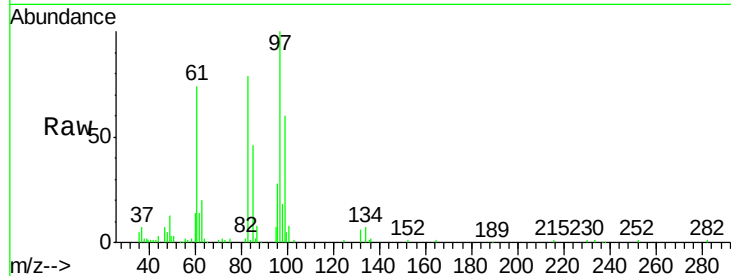
#47
 1,1,2-Trichloroethane
 Concen: 1.030 ppbv m
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
97	100		
83	78.6	71.4	107.2
85	46.3	46.6	70.0
99	60.3	50.7	76.1

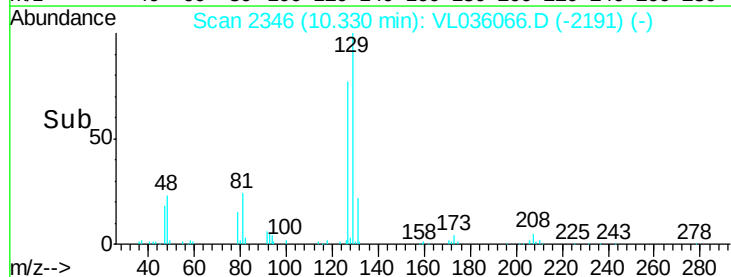
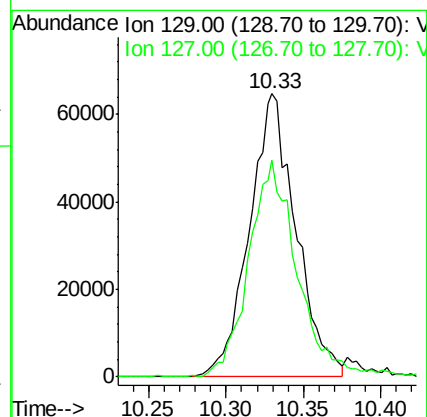
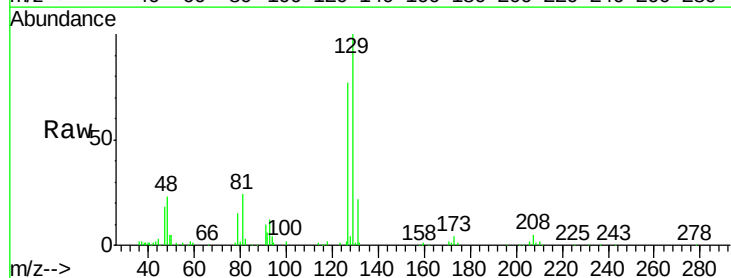
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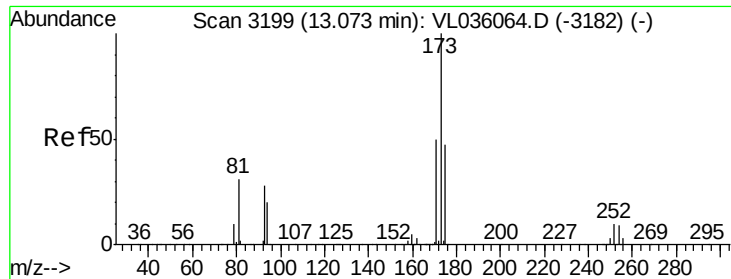
MMDadoda
 12/10/2020 9:53:16 AM



#48
 Dibromochloromethane
 Concen: 1.006 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.00 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.1	39.0	117.0





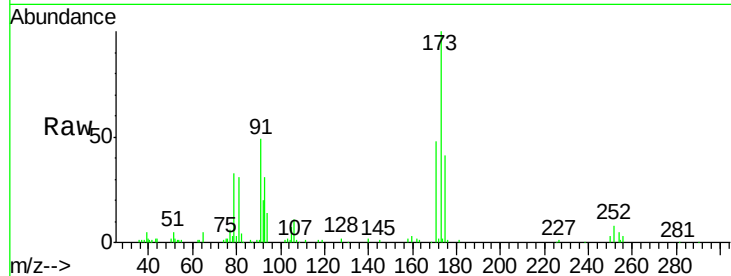
#49
Bromoform
Concen: 1.012 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. -0.01 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

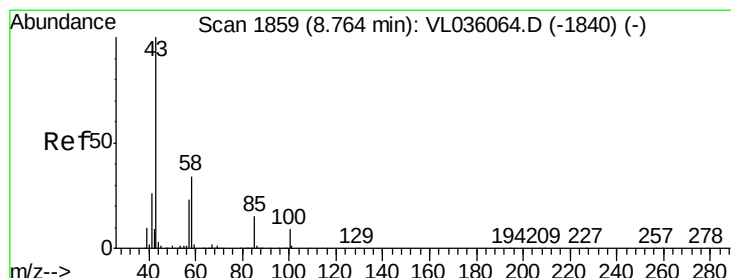
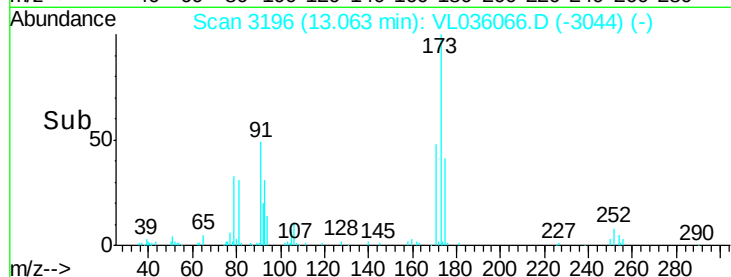
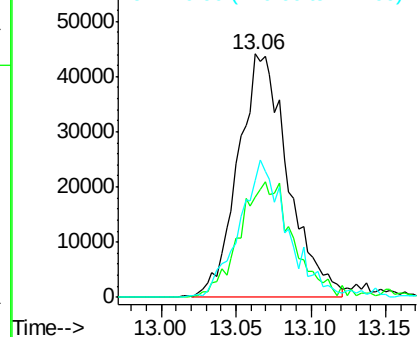
Tot Ion	Ratio	Lower	Upper
173	100		
175	53.6	39.8	59.6
171	56.2	42.5	63.7

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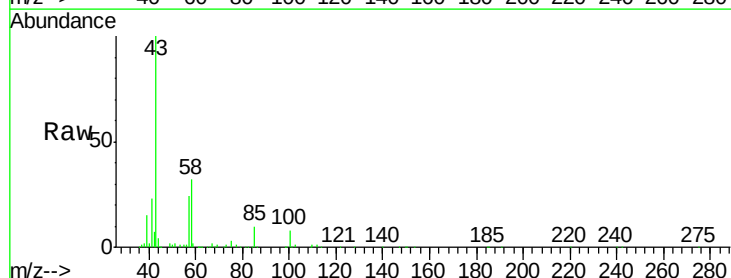


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

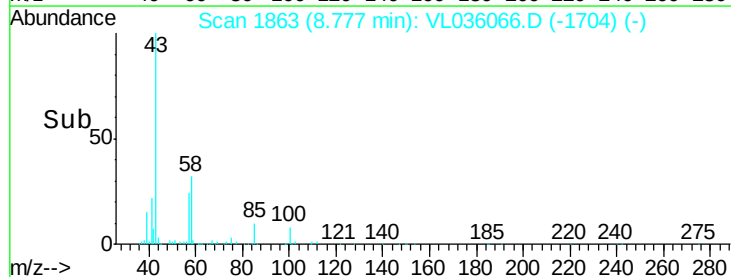
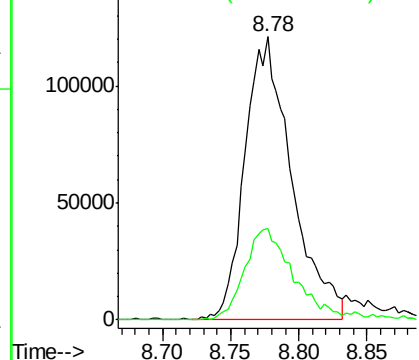


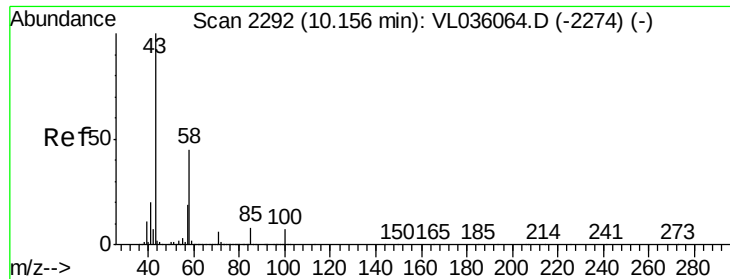
#50
4-Methyl-2-Pentanone
Concen: 1.894 ppbv
RT: 8.78 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.4	41.2



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





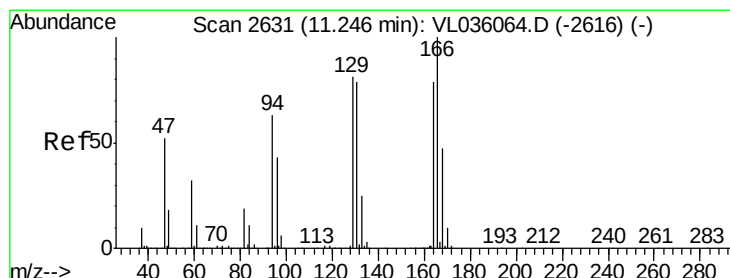
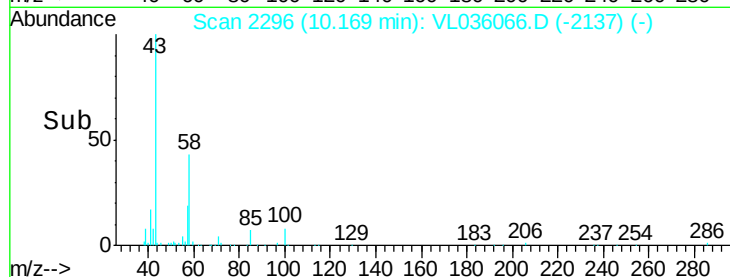
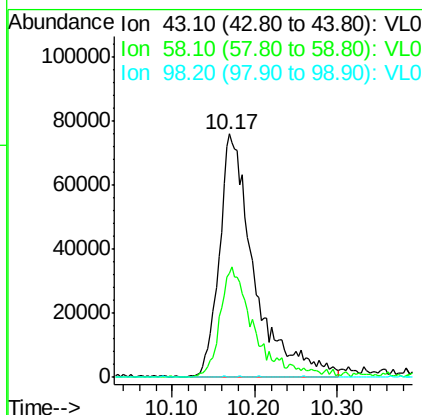
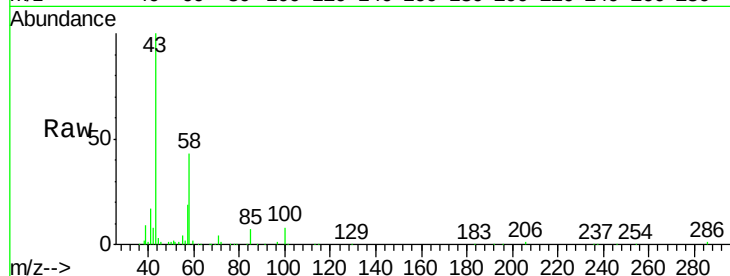
#51
2-Hexanone
Concen: 2.064 ppbv m
RT: 10.17 min Scan# 2296
Delta R.T. 0.01 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.0	38.7	58.1
98	0.2	0.1	0.1#

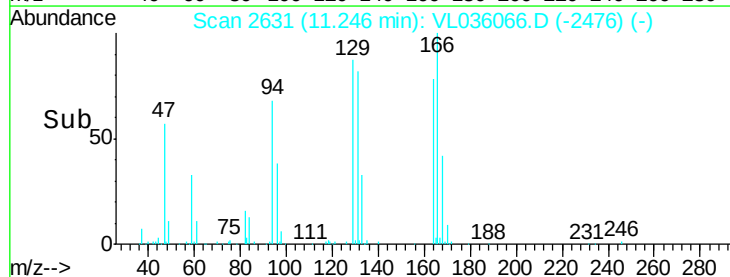
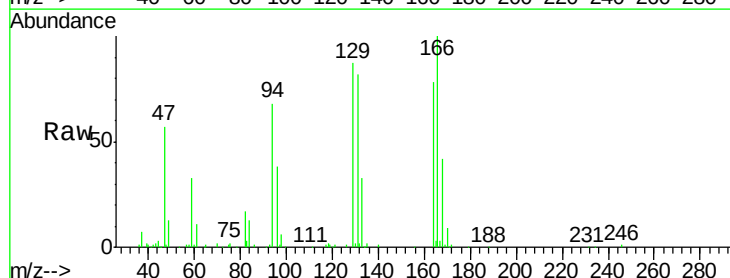
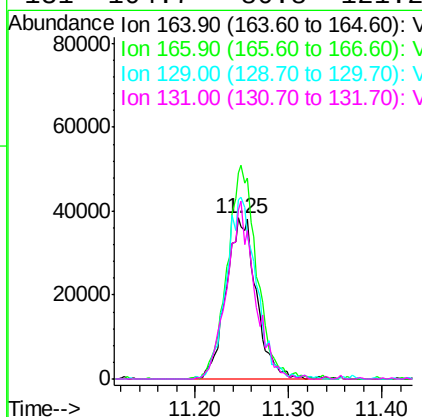
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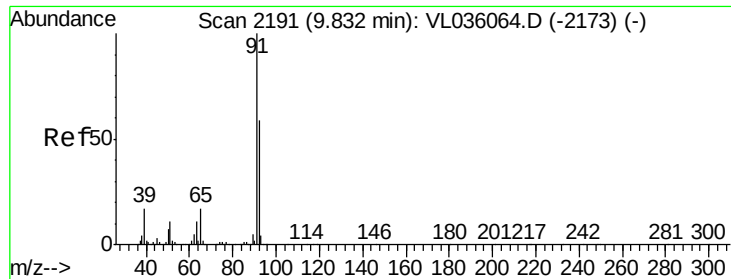
MMDadoda
12/10/2020 9:53:16 AM



#52
Tetrachloroethene
Concen: 1.116 ppbv m
RT: 11.25 min Scan# 2631
Delta R.T. -0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	101.9	152.9
129	111.3	82.1	123.1
131	104.7	80.8	121.2





#53

Toluene

Concen: 1.325 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 287553

Ion Ratio Lower Upper

91 100

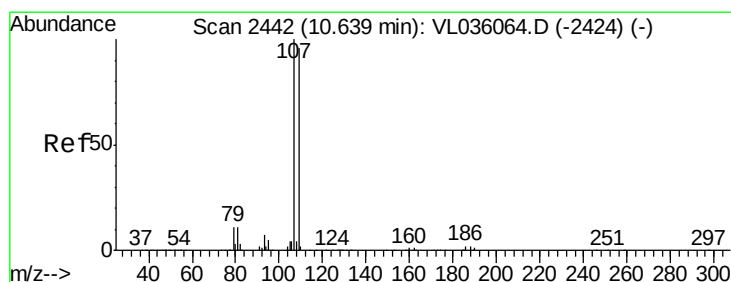
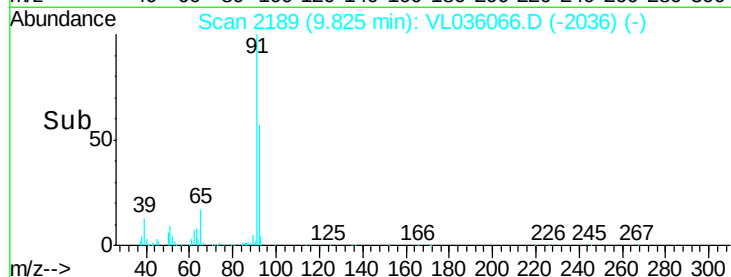
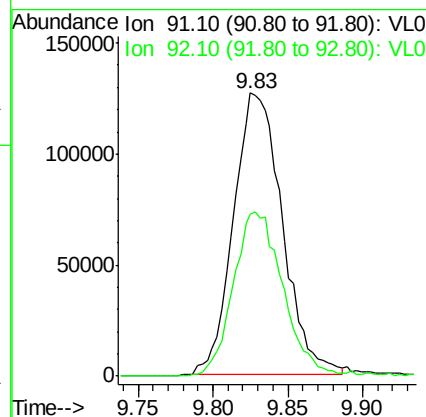
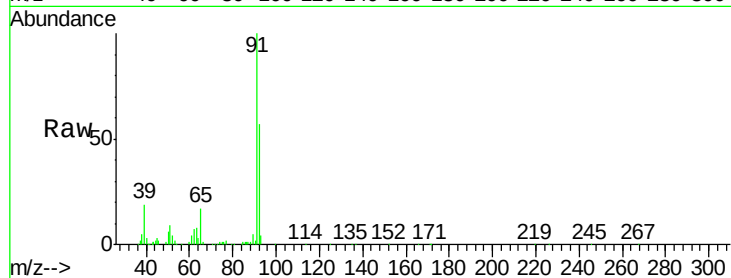
92 60.4 48.2 72.2

Manual Integrations

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12/10/2020 9:53:16 AM



#54

1,2-Dibromoethane

Concen: 1.024 ppbv m

RT: 10.64 min Scan# 2442

Delta R.T. -0.00 min

Lab File: VL036066.D

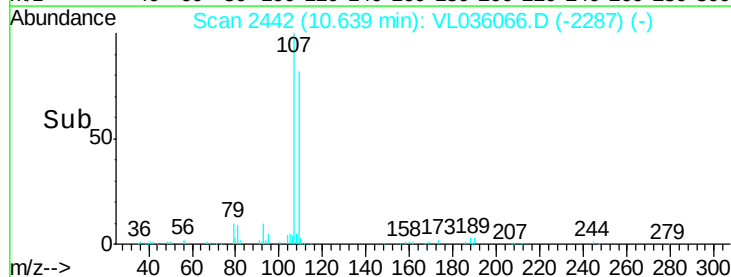
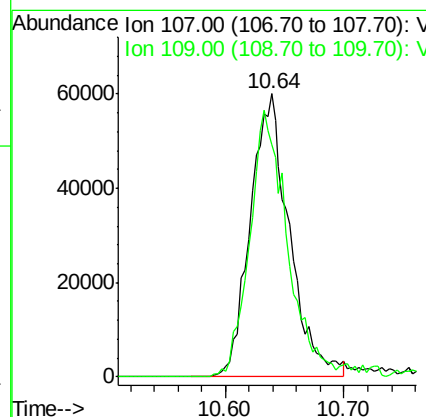
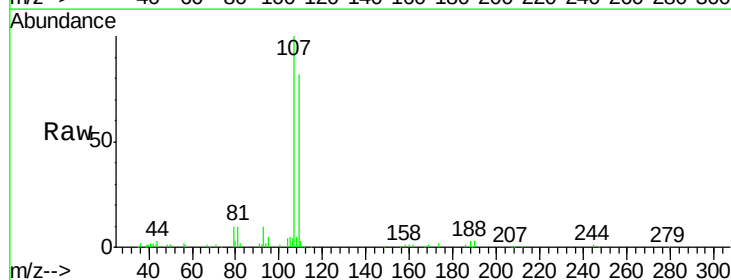
Acq: 7 Dec 2020 13:47

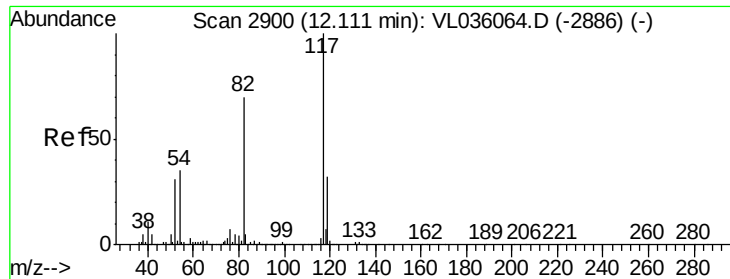
Tgt Ion: 107 Resp: 139019

Ion Ratio Lower Upper

107 100

109 82.0 76.6 115.0





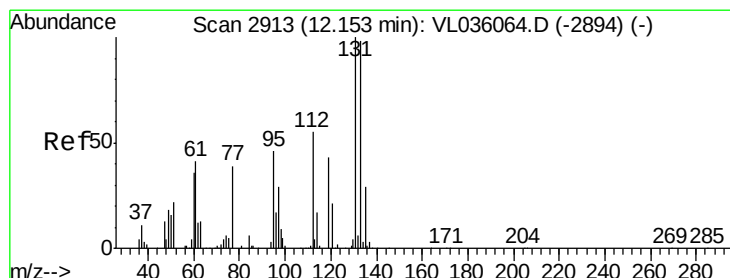
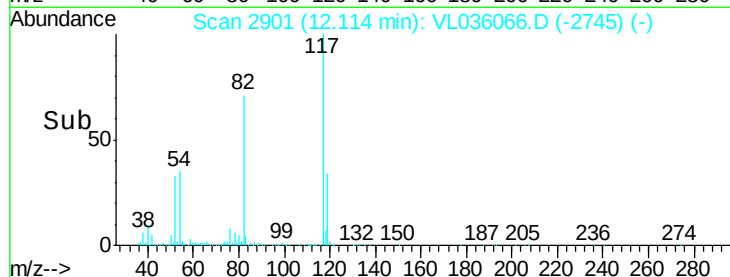
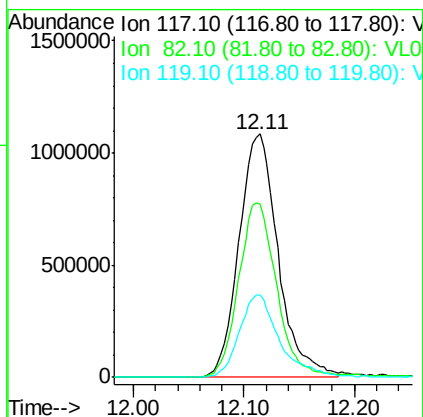
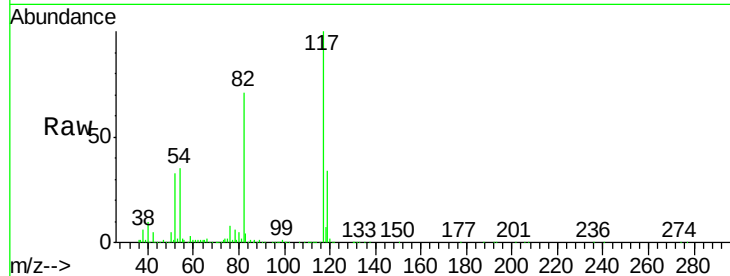
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 2673230
Ion Ratio Lower Upper
117 100
82 70.7 0.0 0.0#
119 34.9 0.0 0.0#

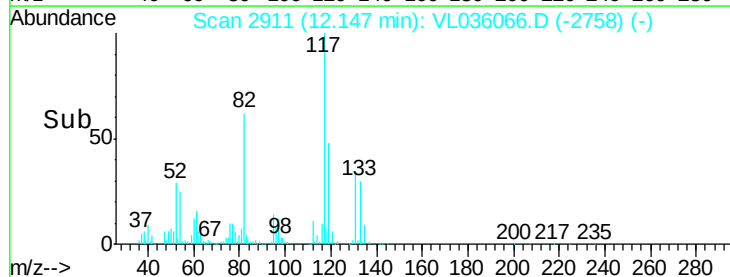
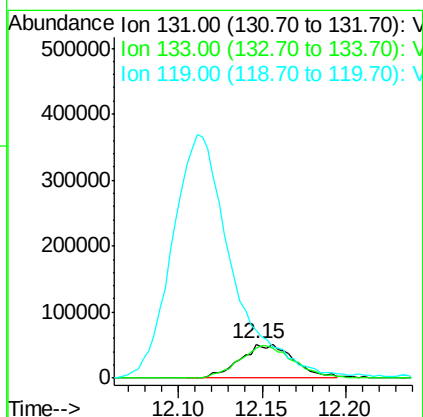
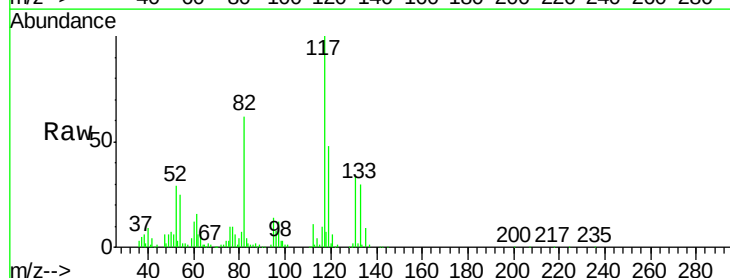
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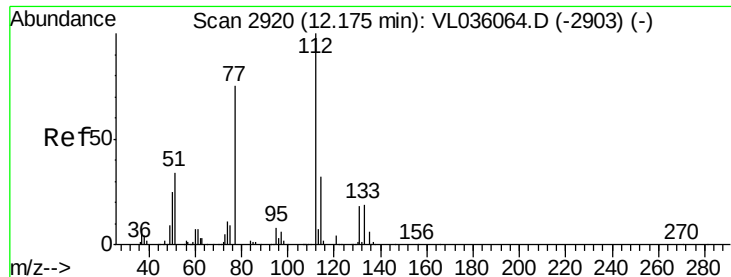
MMDadoda
12/10/2020 9:53:16 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 1.050 ppbv m
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion:131 Resp: 114617
Ion Ratio Lower Upper
131 100
133 0.0 77.7 116.5#
119 0.0 51.6 77.4#





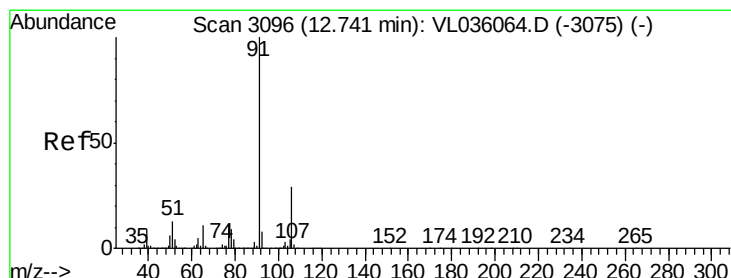
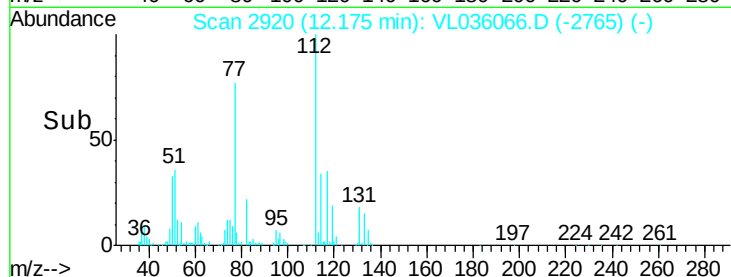
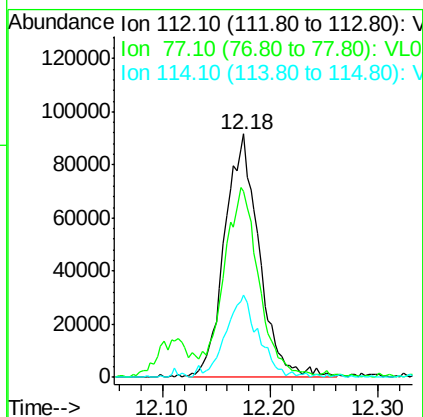
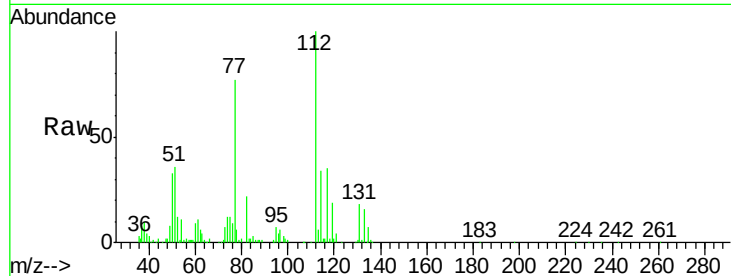
#57
Chlorobenzene
Concen: 1.038 ppbv m
RT: 12.18 min Scan# 2920
Delta R.T. -0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
77	76.6	60.5	90.7
114	33.7	29.2	35.6

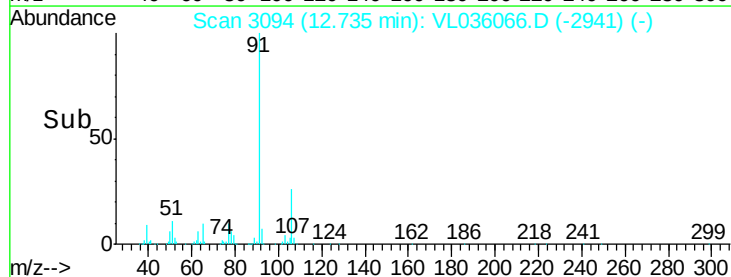
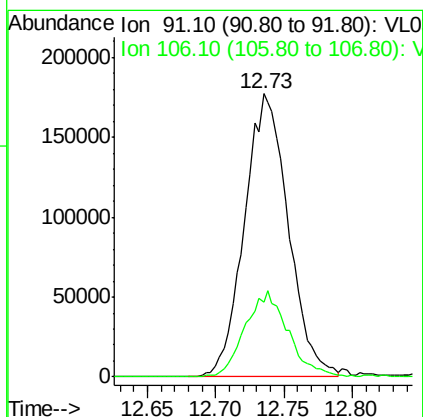
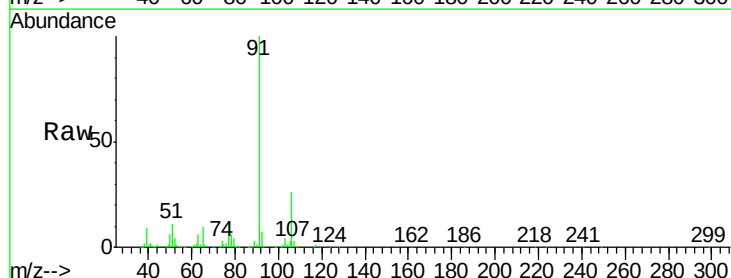
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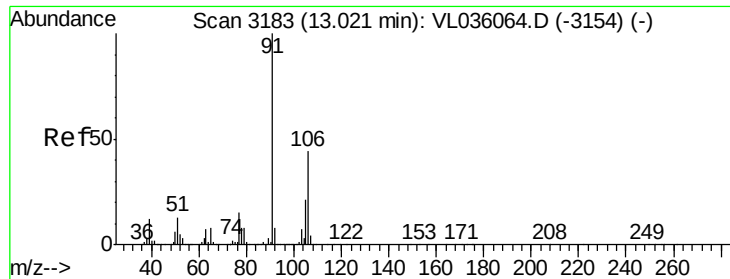
MMDadoda
12/10/2020 9:53:16 AM



#58
Ethyl Benzene
Concen: 1.500 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.01 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	26.4	23.0	34.4





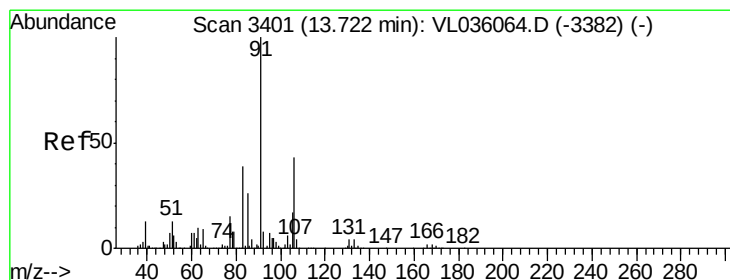
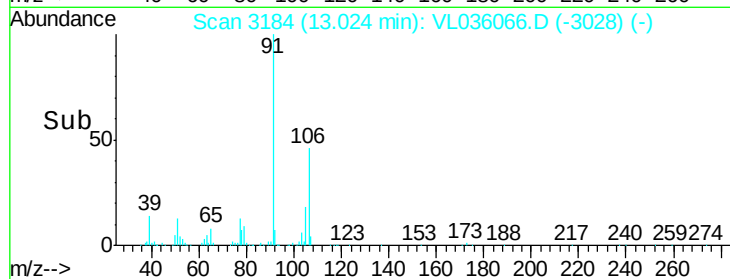
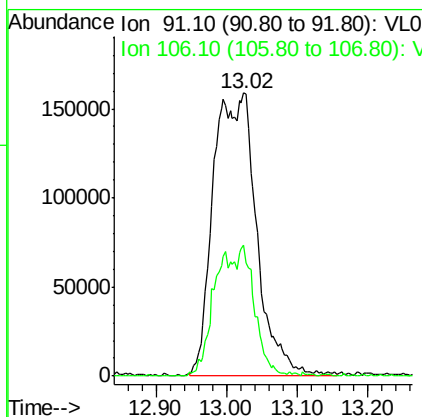
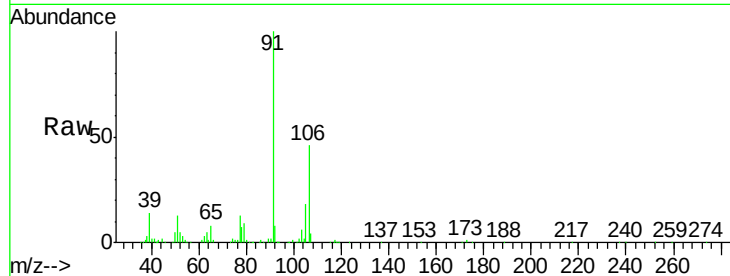
#59
m/p-Xylene
Concen: 2.808 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 676905
Ion Ratio Lower Upper
91 100
106 41.5 33.6 50.4

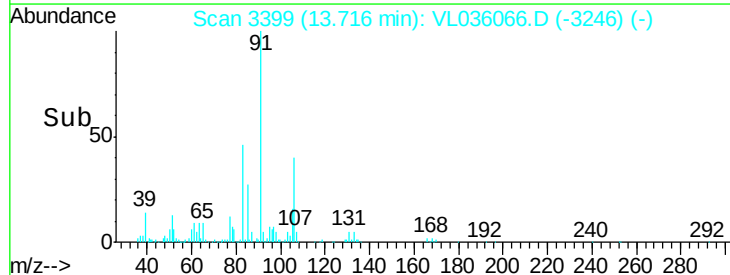
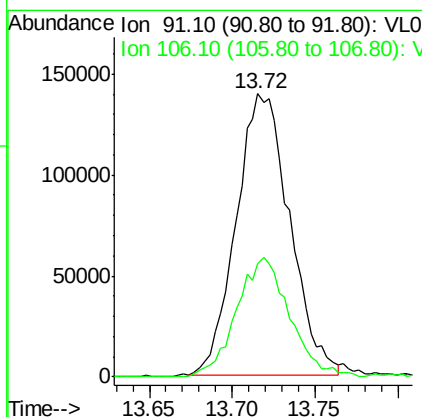
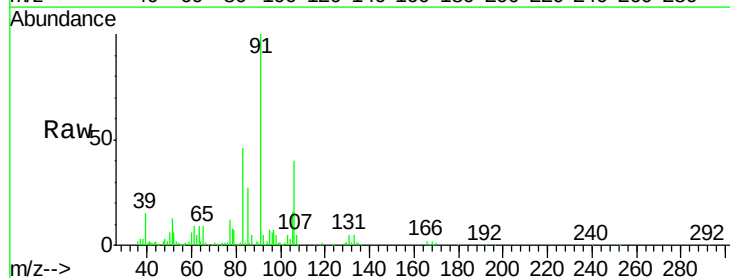
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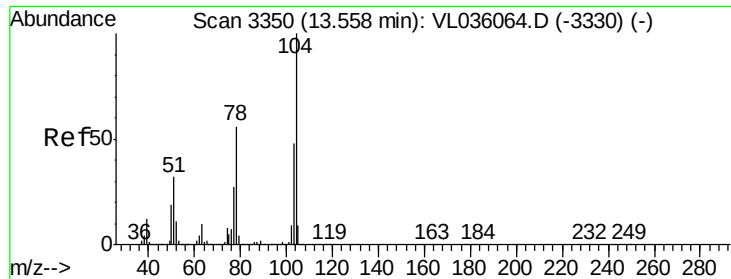
MMDadoda
12/10/2020 9:53:16 AM



#60
o-Xylene
Concen: 1.283 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion: 91 Resp: 312188
Ion Ratio Lower Upper
91 100
106 42.2 21.6 64.6





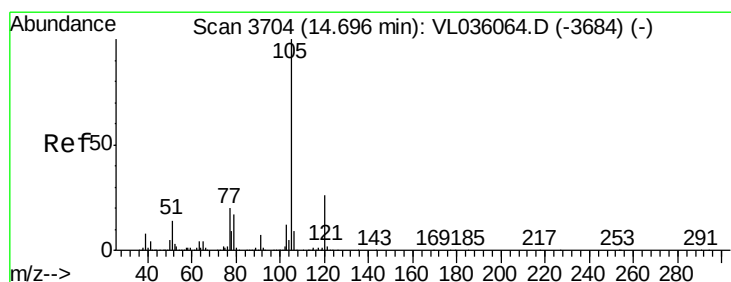
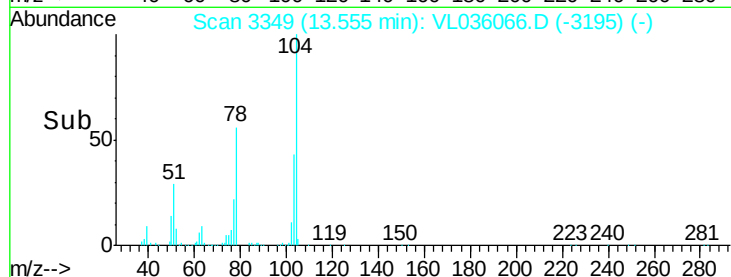
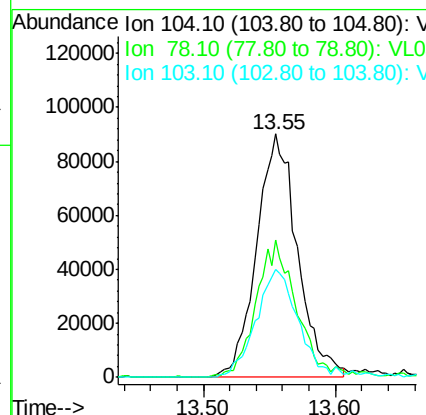
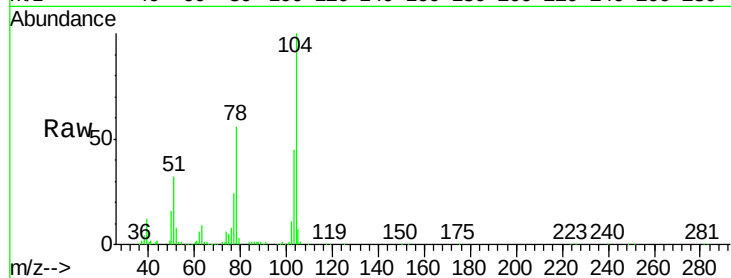
#61
Stvrene
Concen: 1.412 ppbv m
RT: 13.55 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	45.8	68.8#
103	0.0	38.6	57.8#

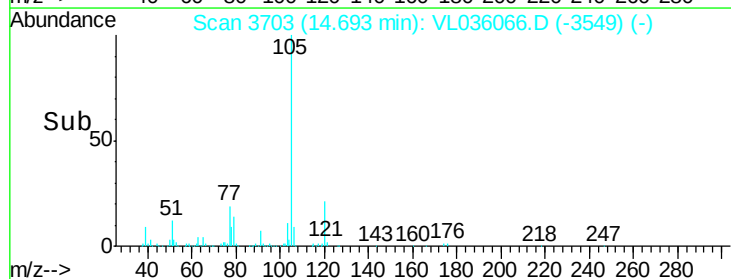
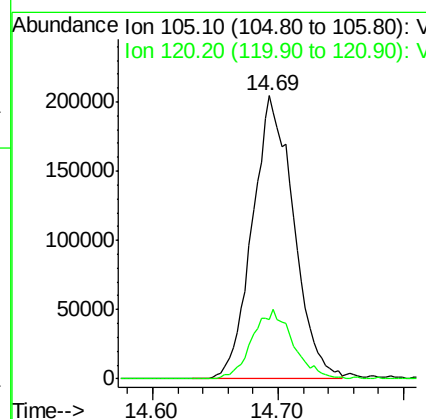
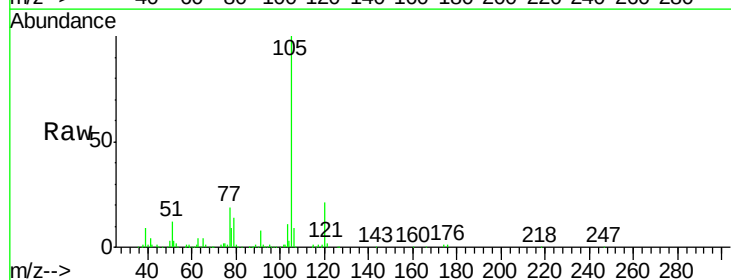
Manual Integrations
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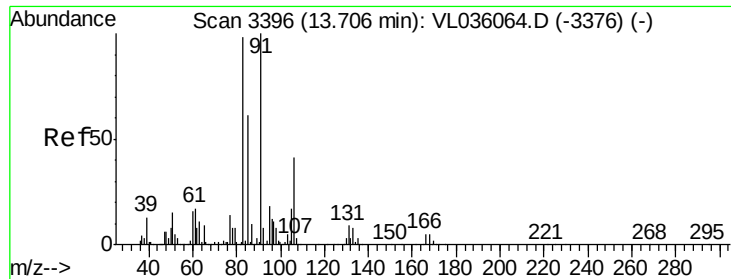
MMDadoda
12/10/2020 9:53:16 AM



#62
Isopropylbenzene
Concen: 1.295 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.5	20.1	30.1





#63

1,1,2,2-Tetrachloroethane

Concen: 0.978 ppbv m

RT: 13.71 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 83 Resp: 199420

Ion Ratio Lower Upper

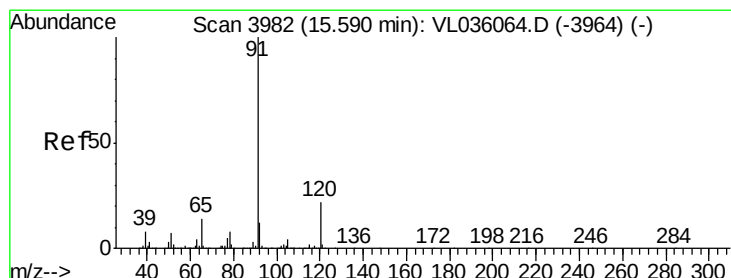
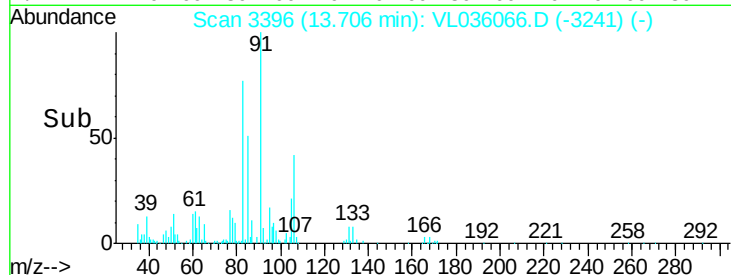
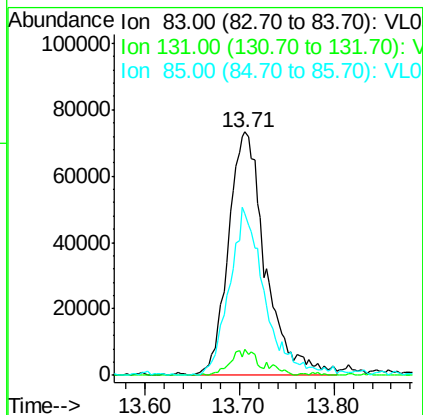
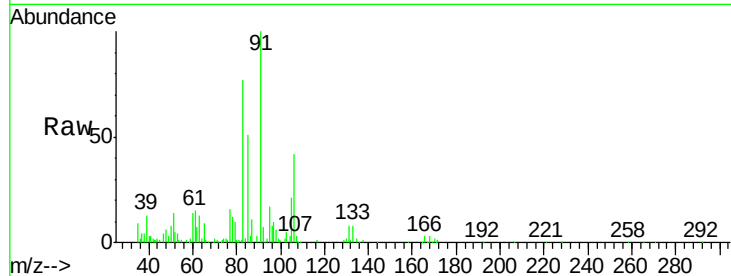
83 100

131 9.1 4.6 13.8

85 64.7 32.5 97.5

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12/10/2020 9:53:16 AM



#64

n-propylbenzene

Concen: 1.126 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. 0.00 min

Lab File: VL036066.D

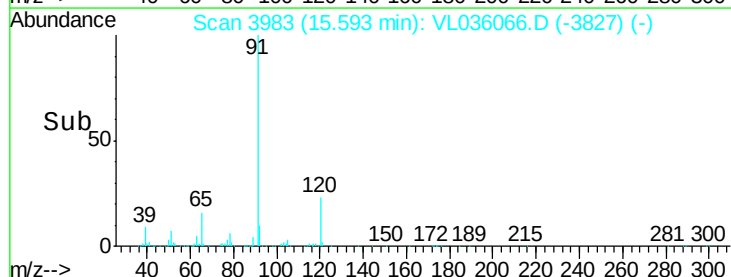
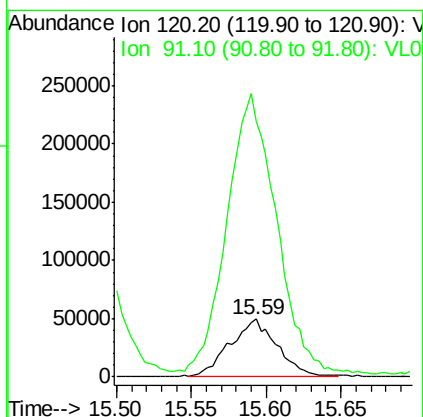
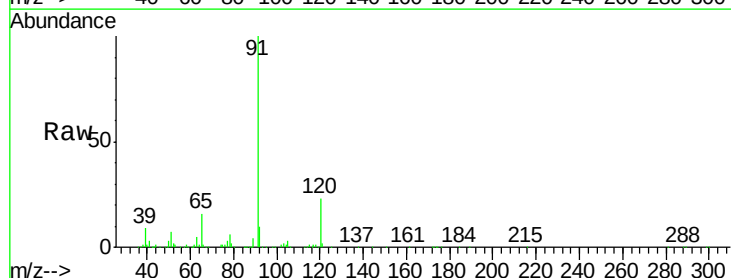
Acq: 7 Dec 2020 13:47

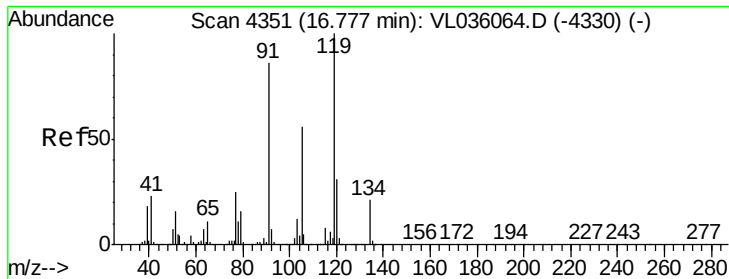
Tgt Ion: 120 Resp: 107024

Ion Ratio Lower Upper

120 100

91 523.0 388.9 583.3





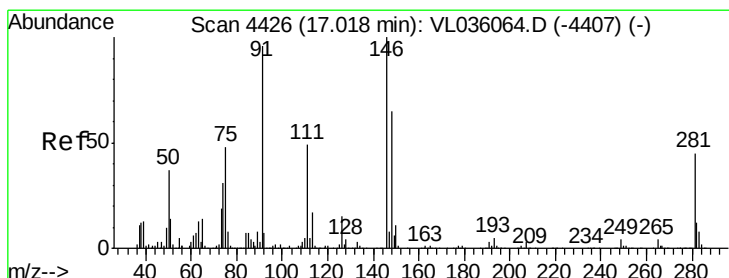
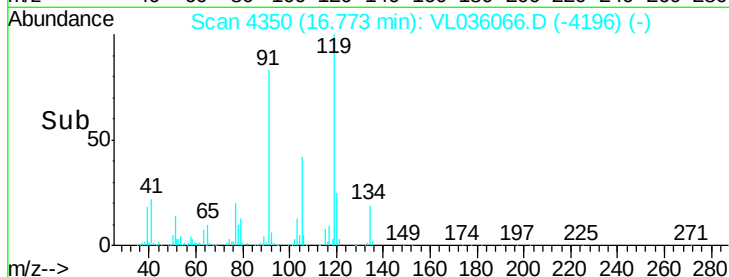
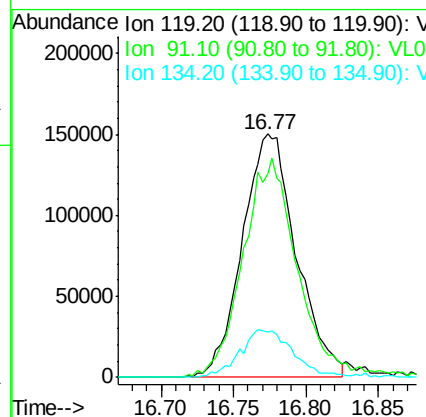
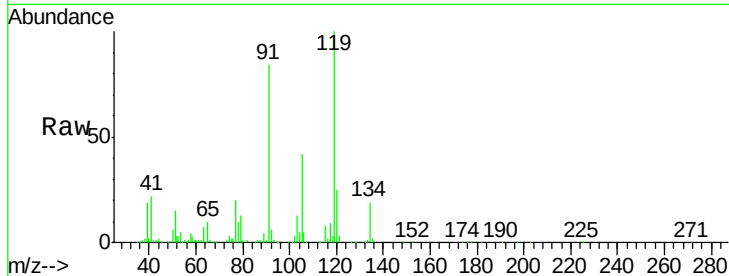
#65
tert-Butylbenzene
Concen: 1.281 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	92.5	70.2	105.2
134	19.8	15.8	23.6

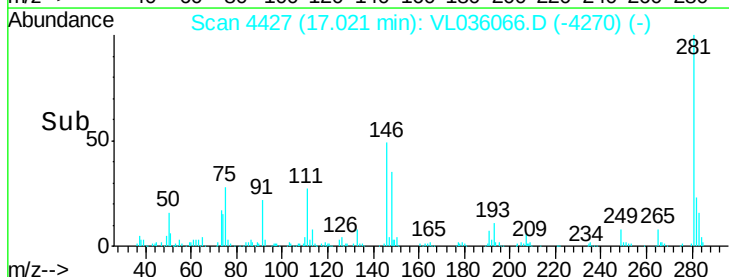
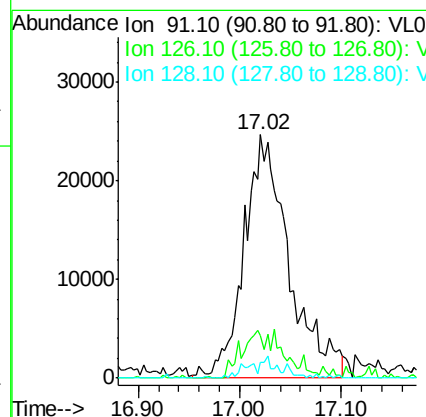
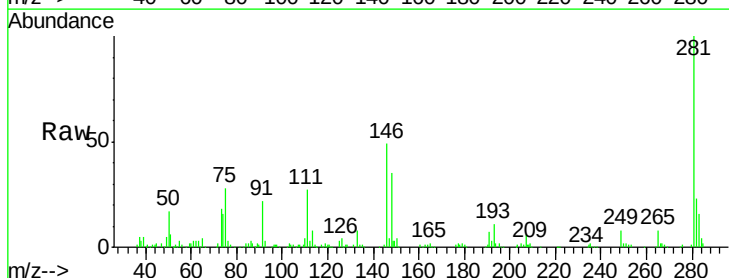
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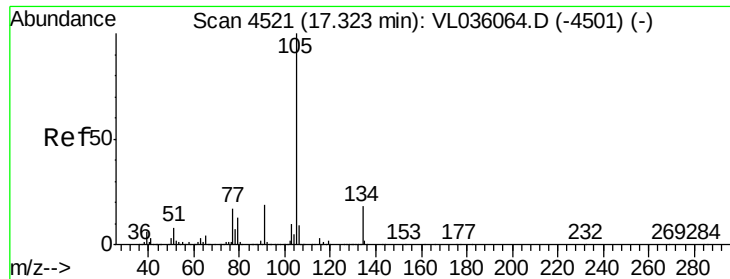
MMDadoda
12/10/2020 9:53:16 AM



#66
Benzyl Chloride
Concen: 1.038 ppbv m
RT: 17.02 min Scan# 4427
Delta R.T. 0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	20.3	13.5	20.3
128	6.0	4.4	6.6





#67

sec-Butylbenzene

Concen: 1.306 ppbv

RT: 17.33 min Scan# 4522

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 540096

Ion Ratio Lower Upper

105 100

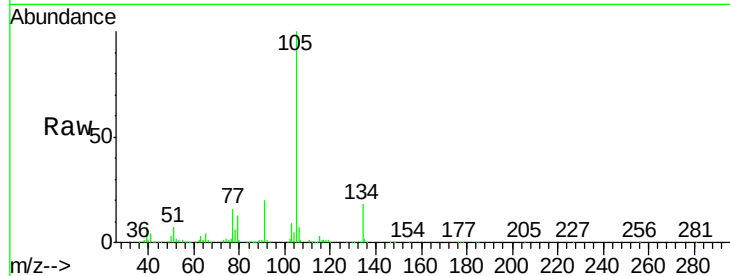
134 16.9 14.2 21.4

Manual Integrations

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MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.33

250000

200000

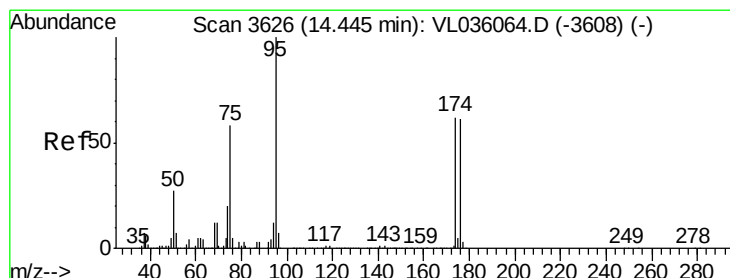
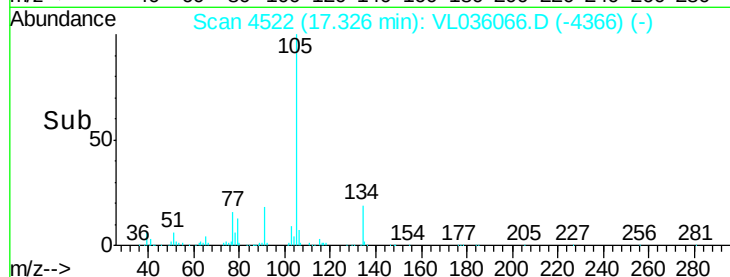
150000

100000

50000

0

Time--> 17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 10.534 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

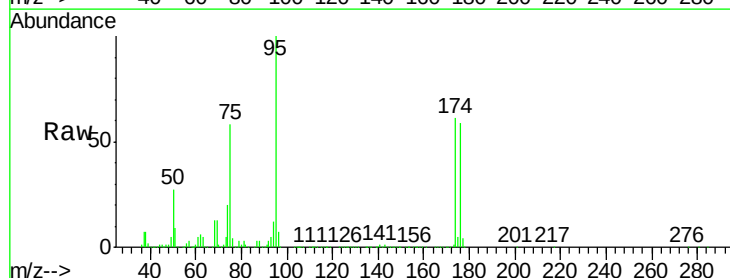
Tgt Ion: 95 Resp: 2151664

Ion Ratio Lower Upper

95 100

174 62.9 50.7 76.1

175 4.7 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1200000

1000000

800000

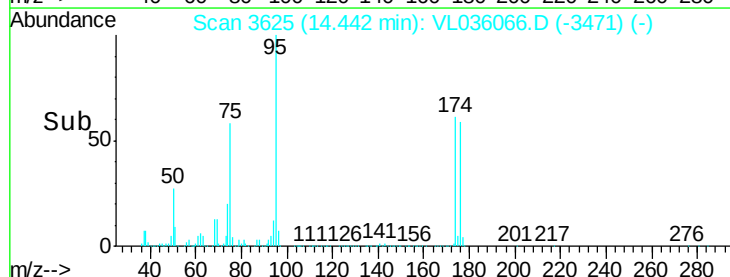
600000

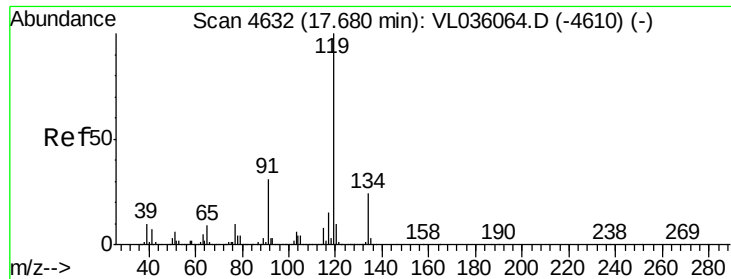
400000

200000

0

Time--> 14.40 14.50





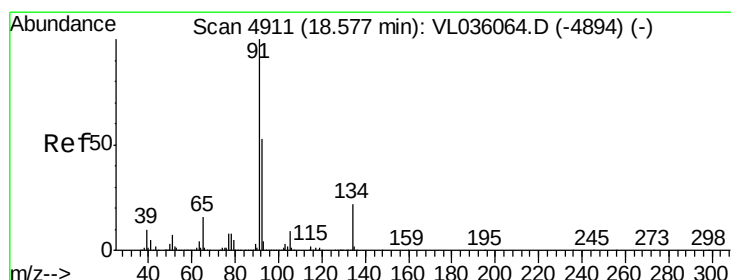
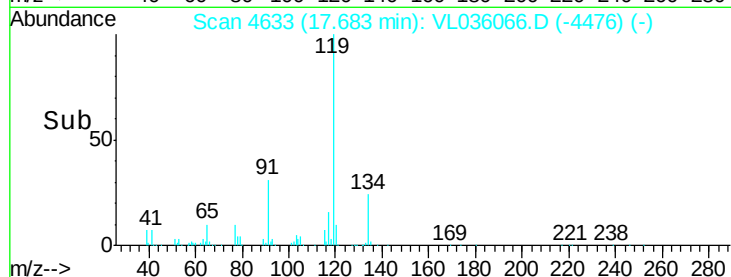
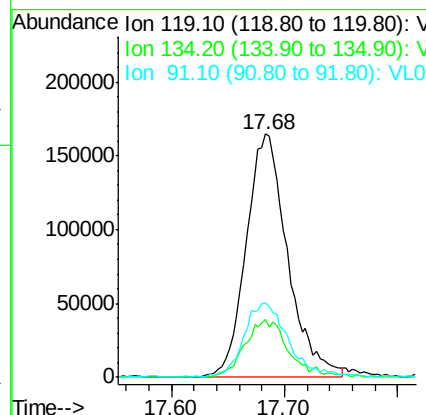
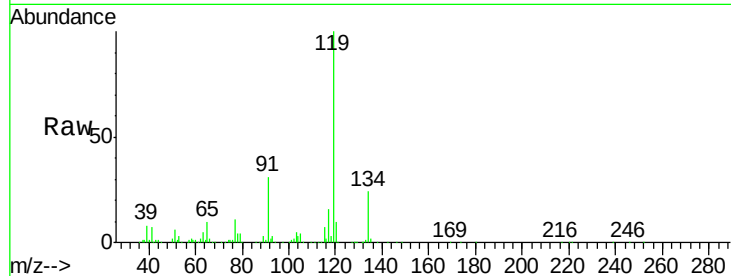
#69
 p-Isopropyltoluene
 Concen: 1.346 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. 0.00 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	420392		
134	25.3		19.8	29.6
91	33.3		25.8	38.6

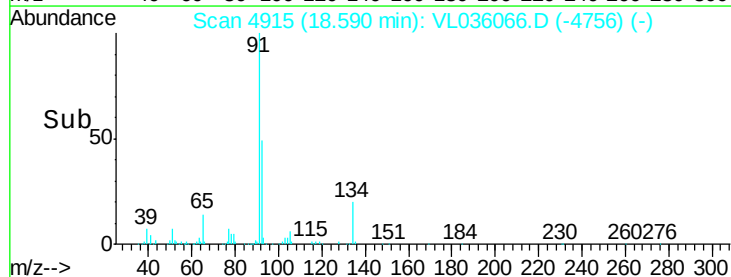
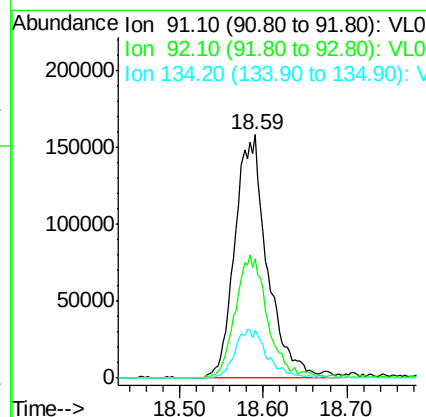
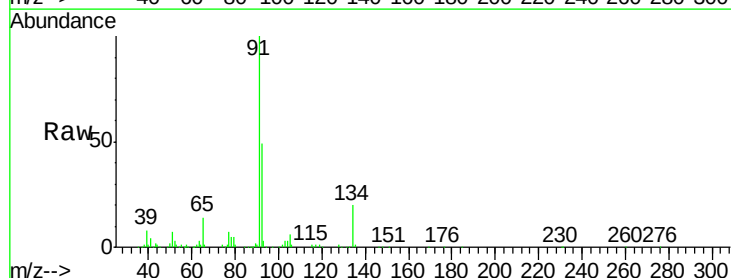
Manual Integrations
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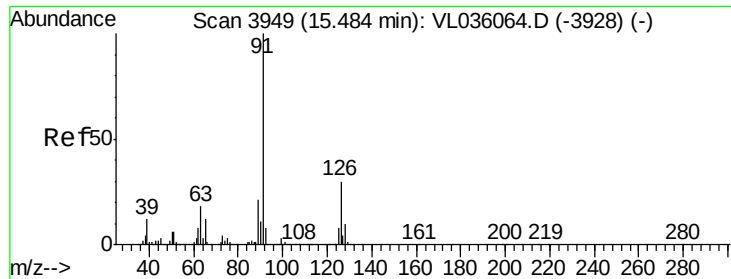
MMDadoda
 12/10/2020 9:53:16 AM



#70
 n-Butylbenzene
 Concen: 1.387 ppbv m
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.01 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	428814		
92	50.5		43.3	64.9
134	19.9		17.1	25.7





#71

2-Chlorotoluene

Concen: 1.398 ppbv m

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 347310

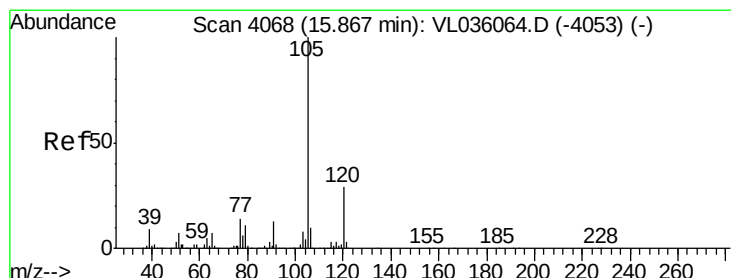
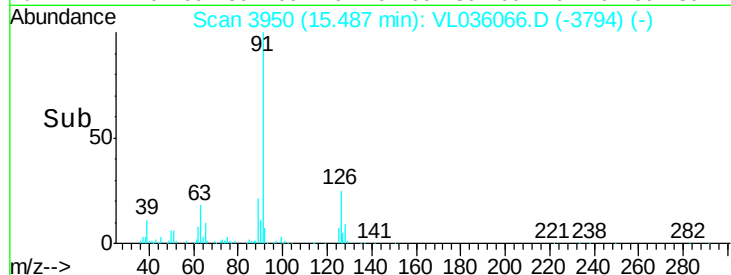
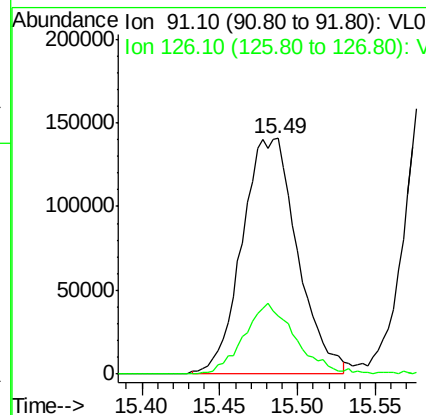
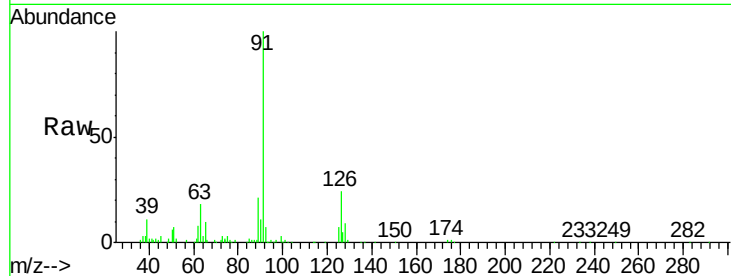
Ion Ratio Lower Upper

91 100

126 0.0 11.6 46.4#

Manual Integrations
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MMDadoda
12/10/2020 9:53:16 AM



#72

4-Ethyltoluene

Concen: 1.353 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Tgt Ion: 105 Resp: 338965

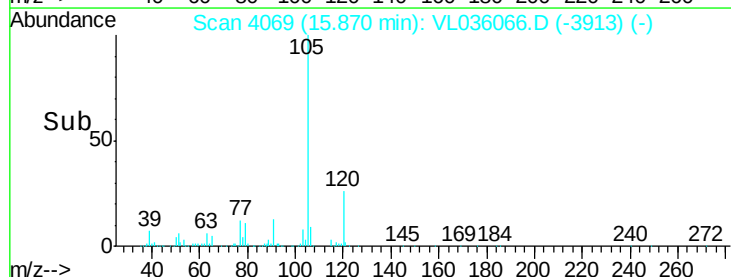
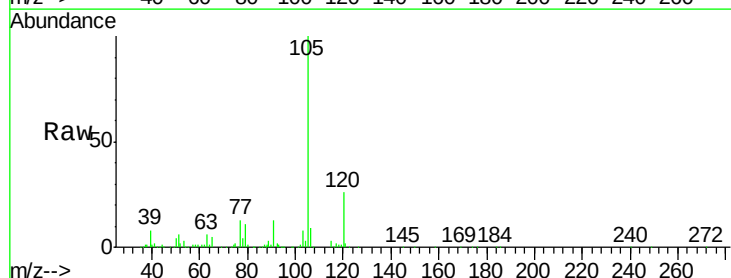
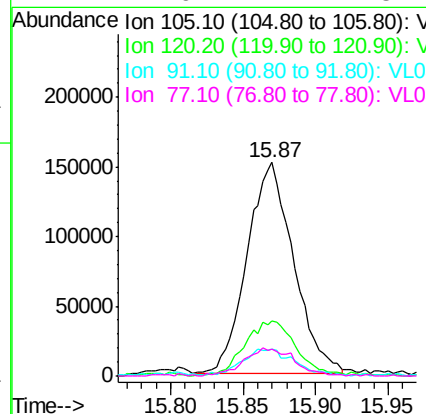
Ion Ratio Lower Upper

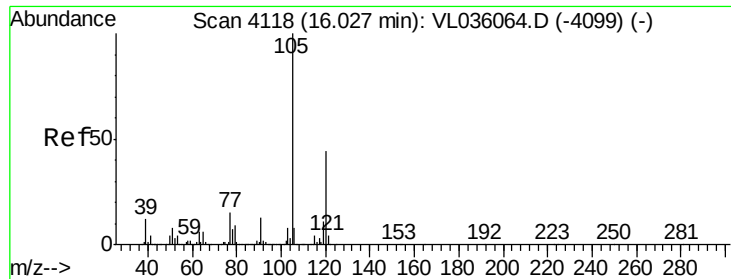
105 100

120 29.4 23.6 35.4

91 12.5 11.4 17.0

77 14.9 12.1 18.1





#73

1,3,5-Trimethylbenzene

Concen: 1.374 ppbv m

RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 322447

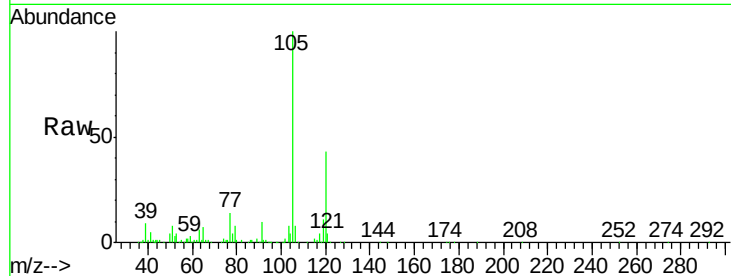
Ion Ratio Lower Upper

105 100

120 43.5 35.4 53.2

Manual Integrations
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MMDadoda
12/10/2020 9:53:16 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.03

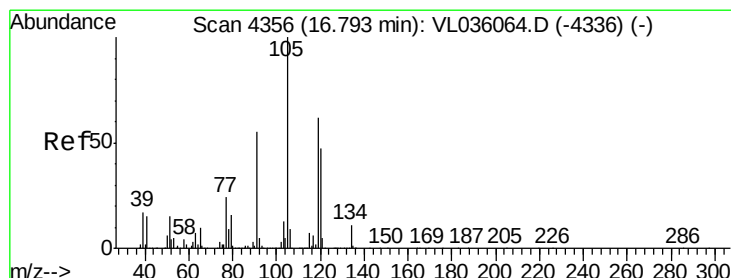
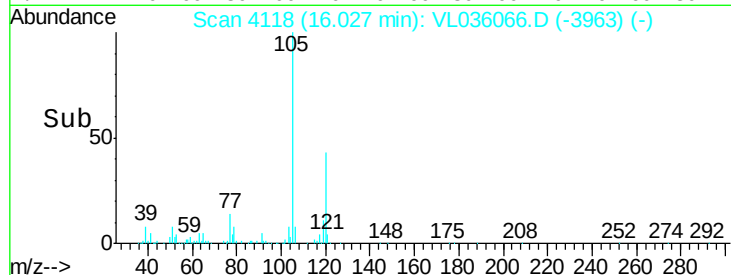
150000

100000

50000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 1.287 ppbv m

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Tgt Ion:105 Resp: 337052

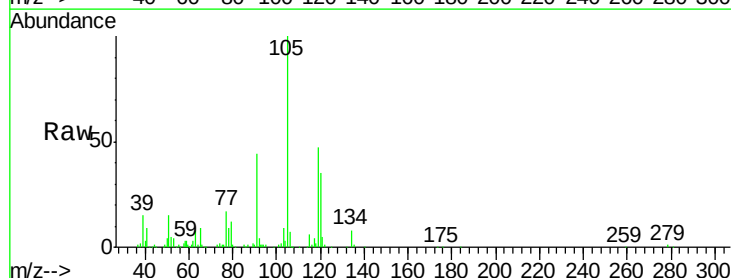
Ion Ratio Lower Upper

105 100

120 34.6 37.4 56.0#

91 43.5 45.6 68.4#

77 17.5 19.4 29.2#



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

200000

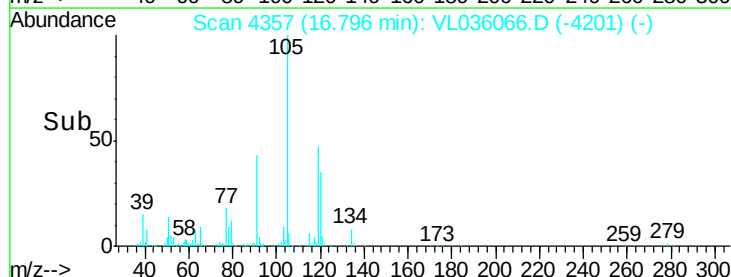
150000

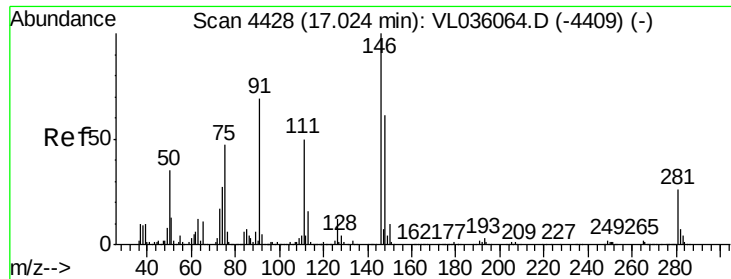
100000

50000

0

Time-->





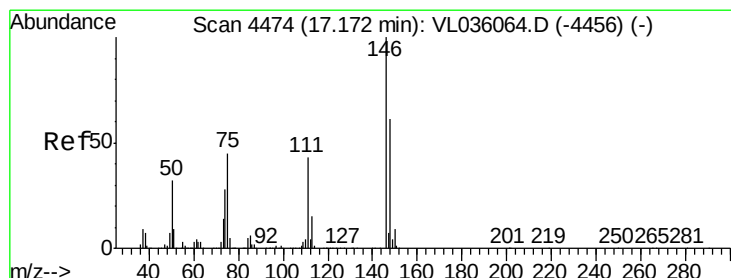
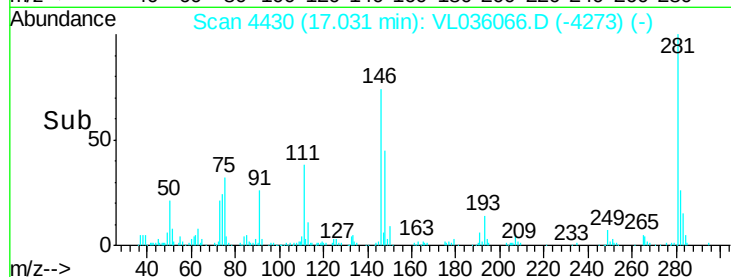
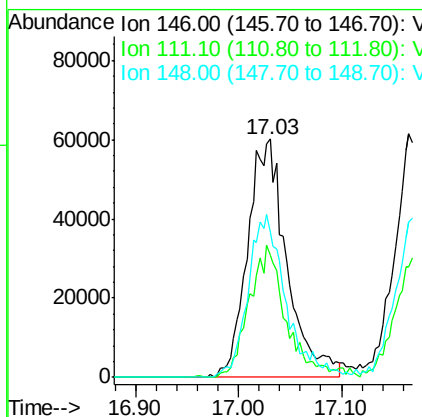
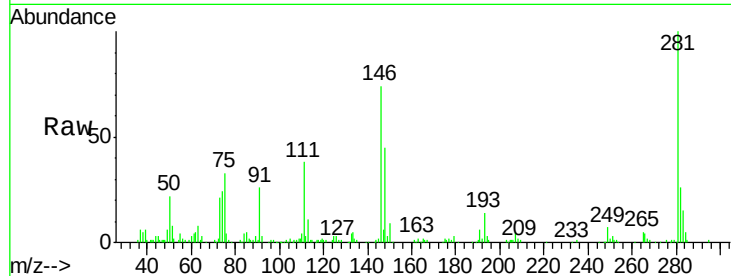
#75
 1,3-Dichlorobenzene
 Concen: 1.003 ppbv m
 RT: 17.03 min Scan# 4430
 Delta R.T. 0.01 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.7	25.1	75.3
148	65.6	32.9	98.6

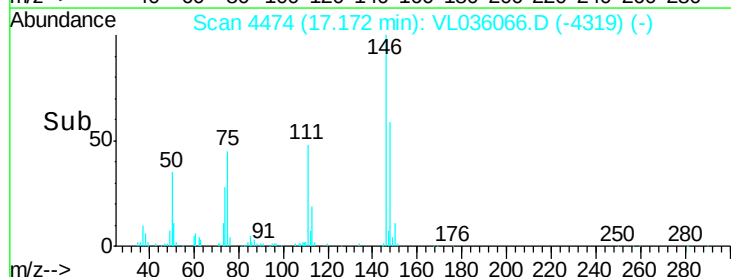
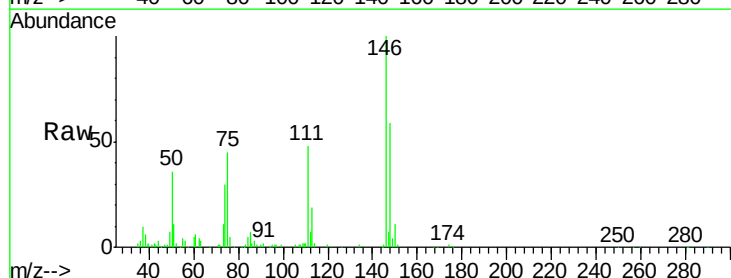
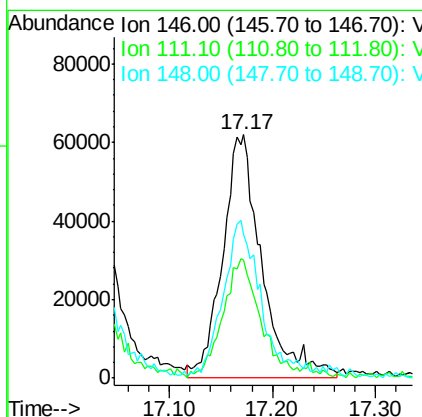
Manual Integrations
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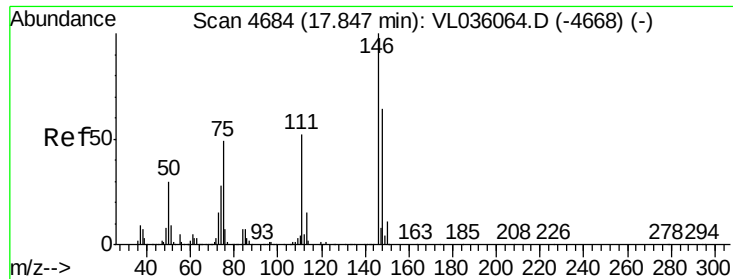
MMDadoda
 12/10/2020 9:53:16 AM



#76
 1,4-Dichlorobenzene
 Concen: 1.095 ppbv m
 RT: 17.17 min Scan# 4474
 Delta R.T. -0.00 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.3	72.8
148	63.5	32.8	98.3





#77

1,2-Dichlorobenzene

Concen: 1.078 ppbv m

RT: 17.85 min Scan# 4685

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

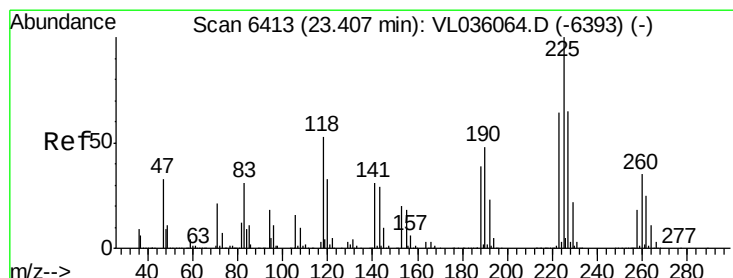
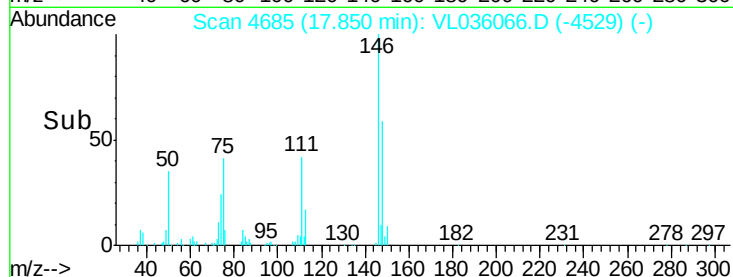
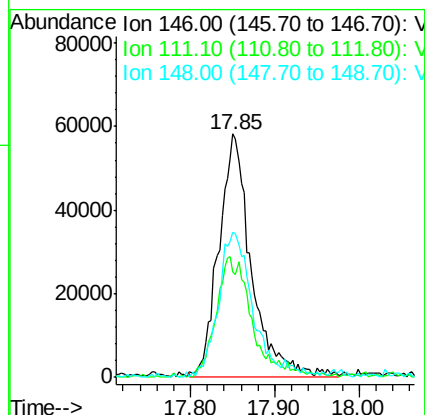
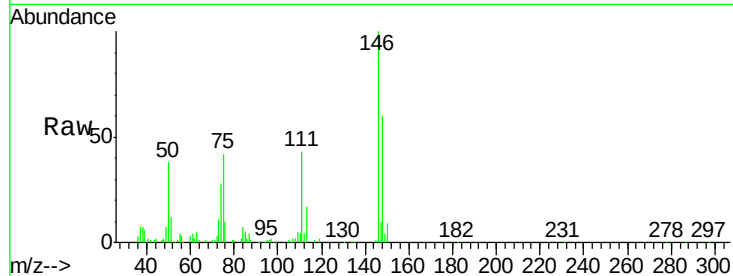
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	55.4	26.1	78.2
148	64.2	33.1	99.5

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:53:16 AM



#78

Hexachloro-1,3-Butadiene

Concen: 1.564 ppbv m

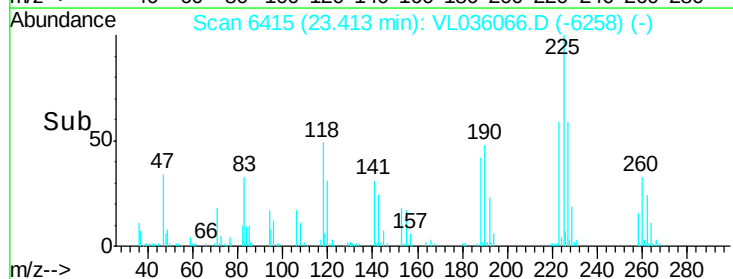
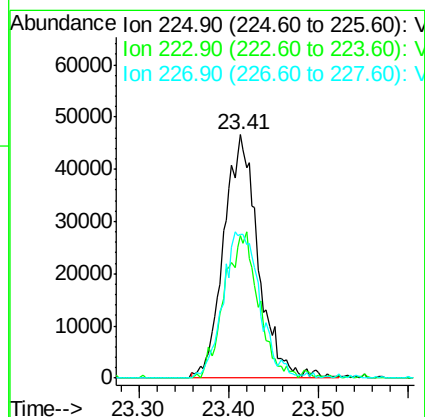
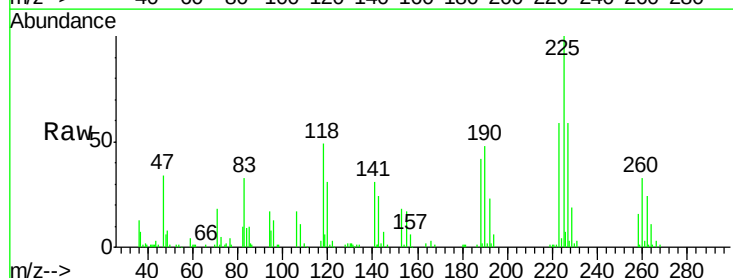
RT: 23.41 min Scan# 6415

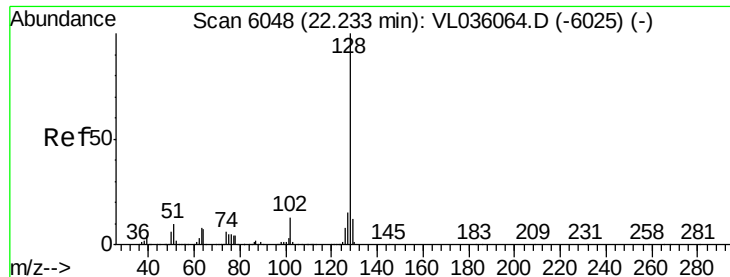
Delta R.T. 0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	51.1	76.7
227	65.2	51.7	77.5





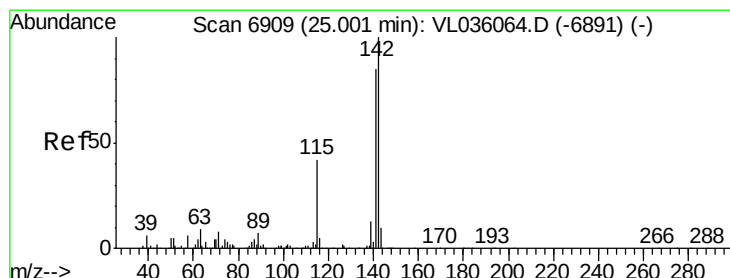
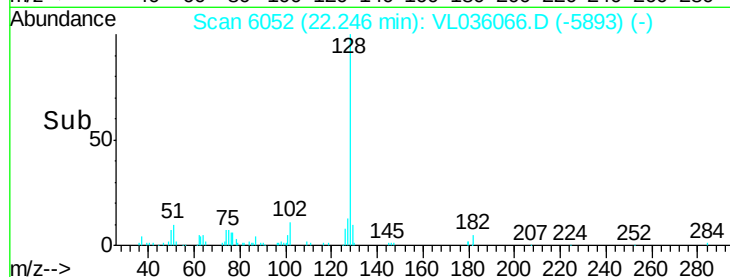
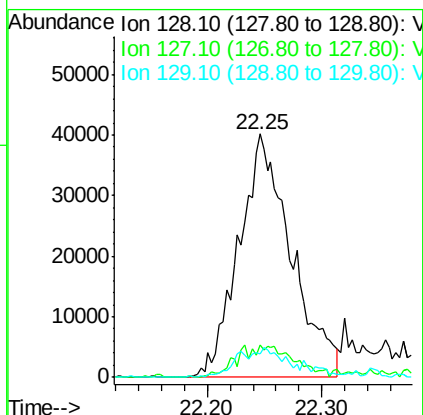
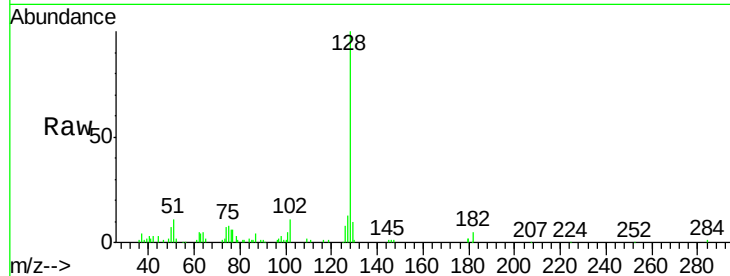
#79
Naphthalene
Concen: 1.040 ppbv m
RT: 22.25 min Scan# 6052
Delta R.T. 0.01 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.7	17.5
129	9.7	9.3	13.9

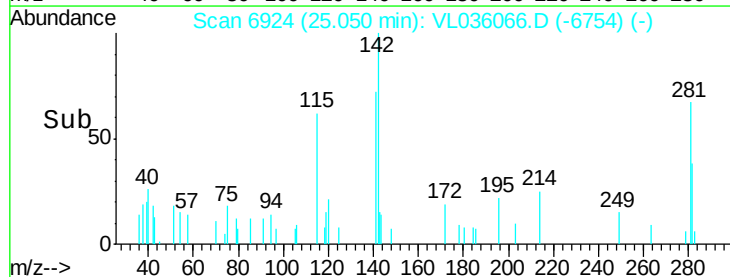
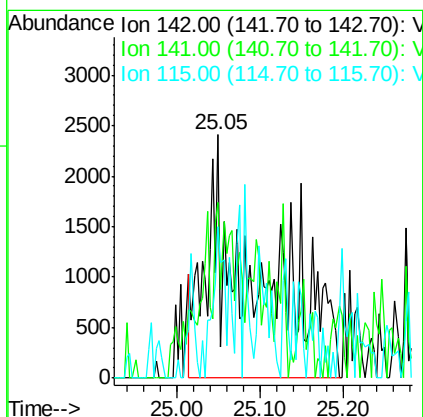
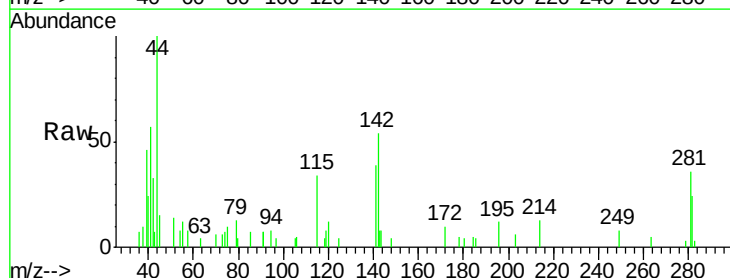
Manual Integrations
APPROVED

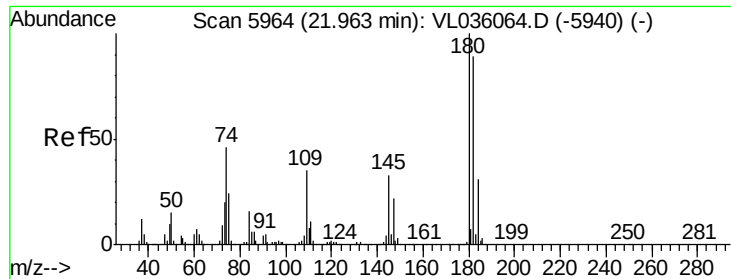
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12/10/2020 9:53:16 AM



#80
Naphthalene, 2-methyl-
Concen: 0.406 ppbv m
RT: 25.05 min Scan# 6924
Delta R.T. 0.05 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	0.0	64.3	96.5#
115	5.6	33.9	50.9#





#81
 1,2,4-Trichlorobenzene
 Concen: 1.199 ppbv m
 RT: 21.97 min Scan# 5967
 Delta R.T. 0.01 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	0.0	0.0	0.0
184	0.0	0.0	0.0

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:53:16 AM

