

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035427.D
 Acq On : 17 Aug 2020 19:49
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081720

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:05:53 AM

Quant Time: Aug 17 20:36:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1113092	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	5235361	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	5343603m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3765311	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1688747	8.186	ppbv	99
3) Chlorodifluoromethane	2.99	51	1259463	9.024	ppbv #	91
4) Chloromethane	3.14	50	663251	9.122	ppbv	95
5) Vinyl Chloride	3.26	62	810312	9.325	ppbv	96
6) Bromomethane	3.48	94	719252	9.465	ppbv	99
7) Chloroethane	3.56	64	299154	9.345	ppbv	93
8) Dichlorotetrafluoroethane	3.19	85	2315863	8.767	ppbv #	58
9) Propene	3.01	41	506375	9.027	ppbv	99
10) Heptane	8.15	43	1347516	9.162	ppbv #	79
11) Trichlorofluoromethane	3.96	101	2834631	8.757	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2145119	8.893	ppbv #	81
13) Ethanol	3.61	45	120153	5.846	ppbv	98
14) Bromoethene	3.74	108	1016770	9.538	ppbv #	94
15) Acetone	3.86	43	1024877	8.000	ppbv #	83
16) 1,3-Butadiene	3.33	39	484868	9.333	ppbv #	65
17) tert-Butyl alcohol	4.30	59	1645257	9.936	ppbv	98
18) 1,1-Dichloroethene	4.30	96	1001222	9.400	ppbv #	59
19) Isopropyl Alcohol	3.98	45	810811	9.182	ppbv #	99
20) Methylene Chloride	4.35	84	790604	7.648	ppbv #	65
21) Allyl Chloride	4.42	41	648746	9.965	ppbv #	83
22) trans-1,2-Dichloroethene	4.90	96	1052332	9.258	ppbv #	64
23) Vinyl Acetate	5.09	43	1753111	9.572	ppbv #	93
24) 1,1-Dichloroethane	5.02	63	1671060	9.142	ppbv #	94
25) Ethyl Acetate	5.69	43	2182334	8.754	ppbv #	92
26) Hexane	5.70	57	1238916	8.806	ppbv #	75
27) Carbon Disulfide	4.56	76	2096494	10.309	ppbv #	85
28) Methyl tert-Butyl Ether	5.05	73	2455216	9.553	ppbv	91
29) Chloroform	5.77	83	2581862	9.134	ppbv	96
30) Cyclohexane	7.15	84	1505702	9.646	ppbv #	60
31) cis-1,2-Dichloroethene	5.56	61	1398131	9.449	ppbv #	61
32) 1,1,1-Trichloroethane	6.53	97	2679757	10.115	ppbv #	89
34) 2-Butanone	5.26	43	1532168	8.759	ppbv #	72
35) Carbon Tetrachloride	7.04	117	2837376	10.190	ppbv	100
36) Benzene	6.91	78	3399974	8.848	ppbv #	92
37) 1,2-Dichloroethane	6.33	62	1570041	8.941	ppbv #	89
38) Trichloroethene	7.86	130	1907417	8.924	ppbv #	82
39) 1,2-Dichloropropane	7.64	63	1133350	8.949	ppbv #	85
40) 1,4-Dioxane	7.86	88	597087	8.655	ppbv #	26
41) Tetrahydrofuran	6.06	42	893456	9.260	ppbv #	60
42) Bromodichloromethane	7.82	83	2791122	9.498	ppbv #	97
43) Methyl Methacrylate	8.04	69	1409461	9.380	ppbv #	58

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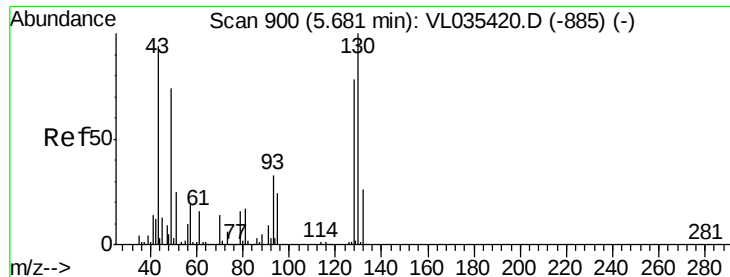
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4270910	8.512	ppbv #	92
45) t-1,3-Dichloropropene	9.30	75	1653878	10.685	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1929713	10.008	ppbv #	74
47) 1,1,2-Trichloroethane	9.50	97	1693931	8.955	ppbv	93
48) Dibromochloromethane	10.33	129	3103317	9.780	ppbv	100
49) Bromoform	13.08	173	3115167	10.191	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	2251357	8.973	ppbv #	81
51) 2-Hexanone	10.16	43	1933418	9.142	ppbv #	77
52) Tetrachloroethene	11.25	164	2057388	8.778	ppbv #	84
53) Toluene	9.83	91	4376516	8.843	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2748073	8.945	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	2401432	9.474	ppbv	98
57) Chlorobenzene	12.18	112	3840231	8.610	ppbv #	80
58) Ethyl Benzene	12.74	91	5720001	8.867	ppbv #	84
59) m/p-Xylene	13.03	91	9579627m	17.568	ppbv	
60) o-Xylene	13.73	91	4638072	8.752	ppbv	85
61) Styrene	13.56	104	4016478	9.379	ppbv #	89
62) Isopropylbenzene	14.70	105	7300647	8.405	ppbv #	86
63) 1,1,2,2-Tetrachloroethane	13.71	83	3226621	8.476	ppbv	97
64) n-propylbenzene	15.60	120	2456253	9.175	ppbv #	44
65) tert-Butylbenzene	16.79	119	7126245	8.443	ppbv #	82
66) Benzyl Chloride	17.03	91	2461242	12.122	ppbv #	88
67) sec-Butylbenzene	17.33	105	9017101	8.117	ppbv #	82
69) p-Isopropyltoluene	17.69	119	8240941	8.361	ppbv #	88
70) n-Butylbenzene	18.59	91	7794232	8.372	ppbv #	89
71) 2-Chlorotoluene	15.49	91	5583190	8.859	ppbv	77
72) 4-Ethyltoluene	15.88	105	6159153	8.856	ppbv #	90
73) 1,3,5-Trimethylbenzene	16.04	105	5735561	8.863	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.80	105	5954112	8.468	ppbv #	91
75) 1,3-Dichlorobenzene	17.04	146	4647049	8.557	ppbv	92
76) 1,4-Dichlorobenzene	17.18	146	4714924	8.809	ppbv	91
77) 1,2-Dichlorobenzene	17.86	146	4625471	8.695	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	3484018	8.284	ppbv	97
79) Naphthalene	22.25	128	8527180	8.611	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	4244511	10.373	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.98	180	5207833	8.725	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

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Tot Ion: 49 Resp: 1113092

Ion Ratio Lower Upper

49 100

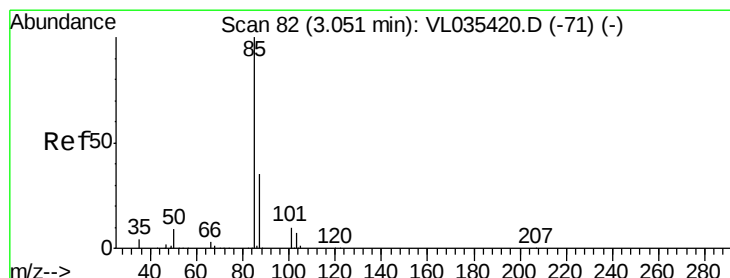
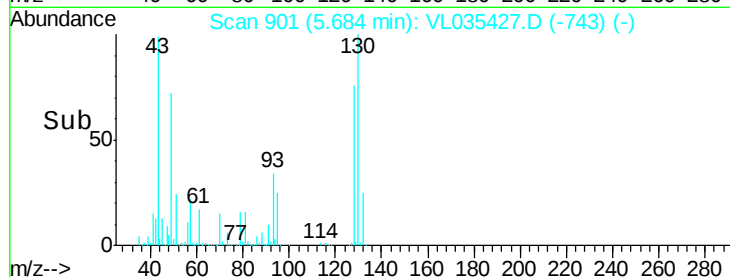
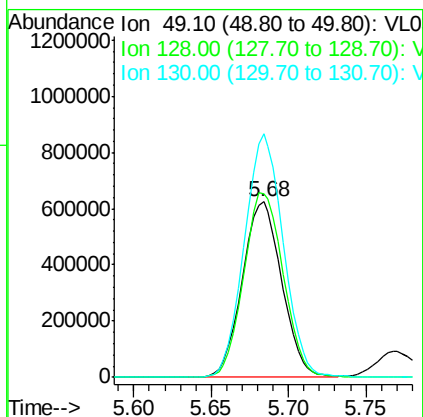
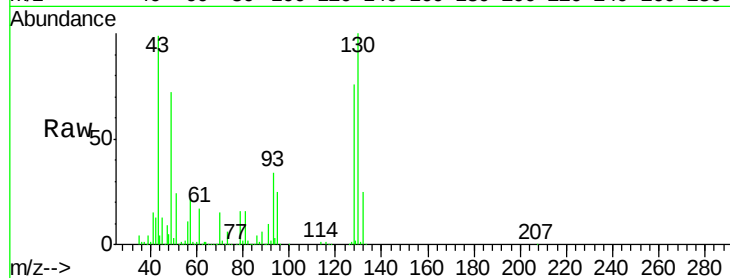
128 106.2 20.9 62.7#

130 137.0 26.7 80.1#

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#2

Dichlorodifluoromethane

Concen: 8.186 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL035427.D

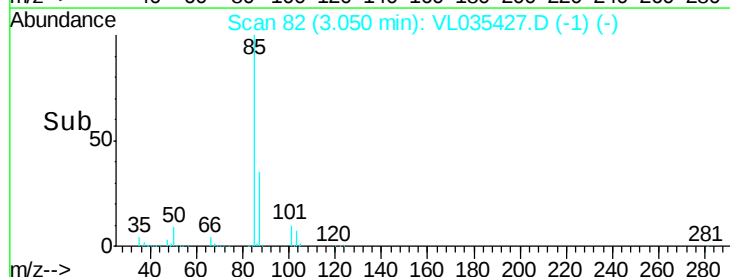
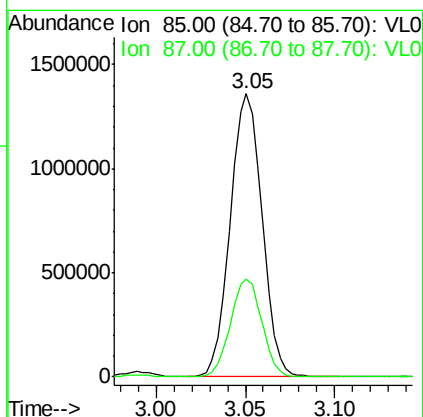
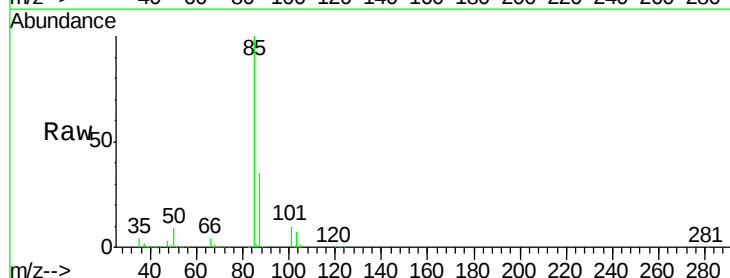
Acq: 17 Aug 2020 19:49

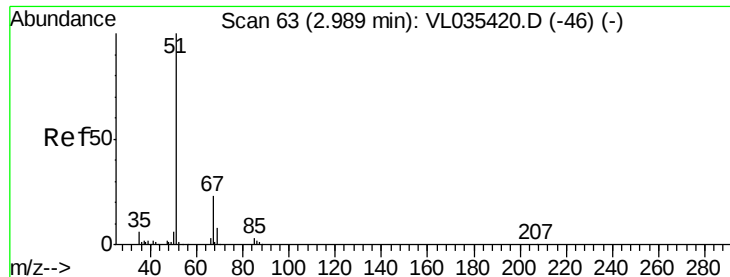
Tgt Ion: 85 Resp: 1688747

Ion Ratio Lower Upper

85 100

87 34.7 27.1 40.7





#3

Chlorodifluoromethane

Concen: 9.024 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081720

Tot Ion: 51 Resp: 1259463

Ion Ratio Lower Upper

51 100

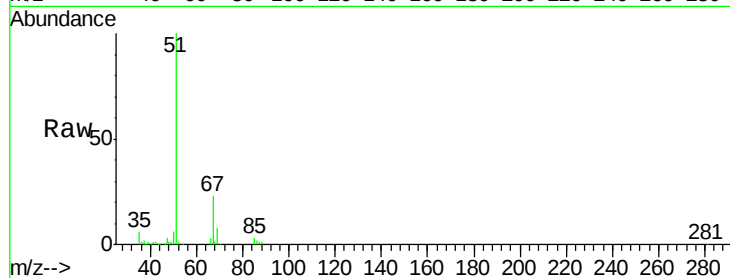
67 22.6 15.0 22.6#

Manual Integrations

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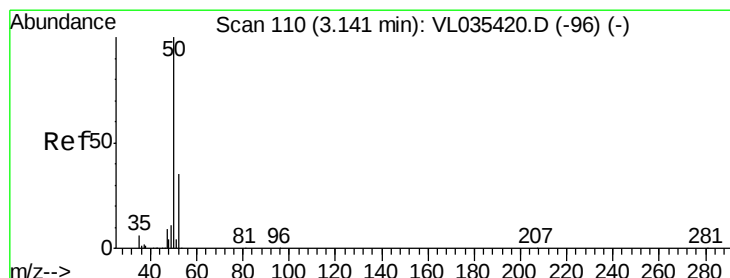
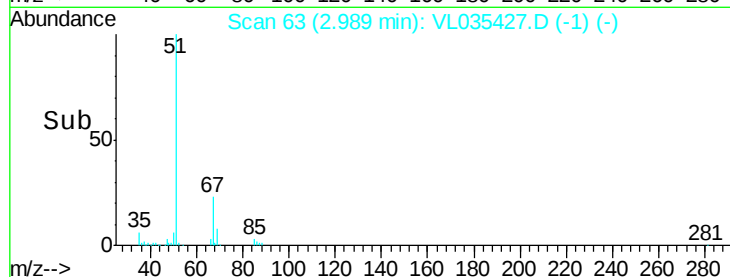
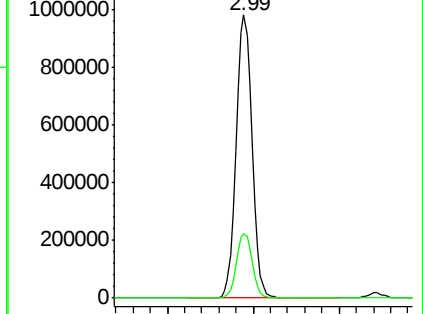
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.122 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL035427.D

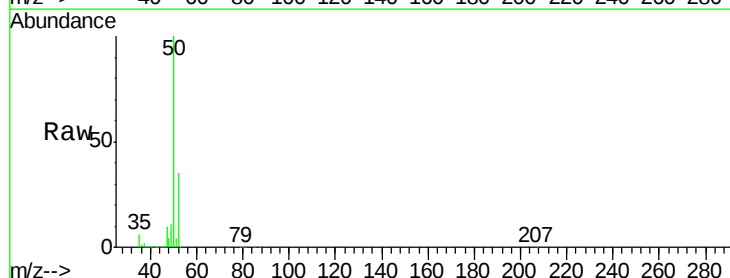
Acq: 17 Aug 2020 19:49

Tgt Ion: 50 Resp: 663251

Ion Ratio Lower Upper

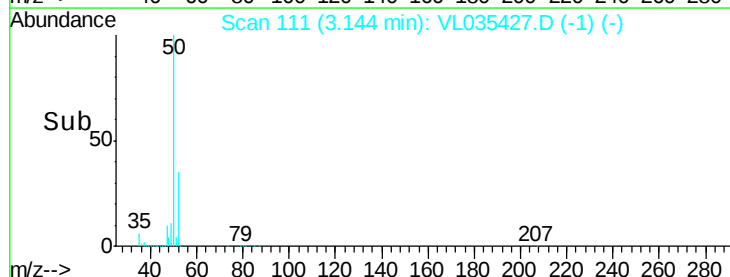
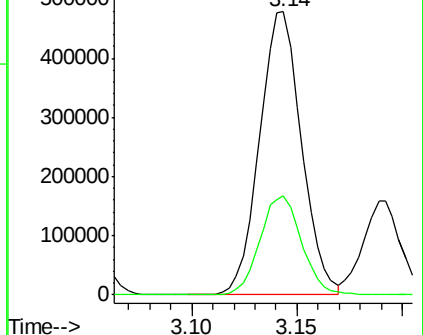
50 100

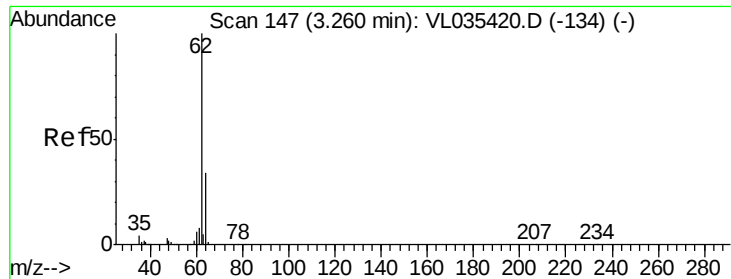
52 35.0 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.325 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081720

Tot Ion: 62 Resp: 810312

Ion Ratio Lower Upper

62 100

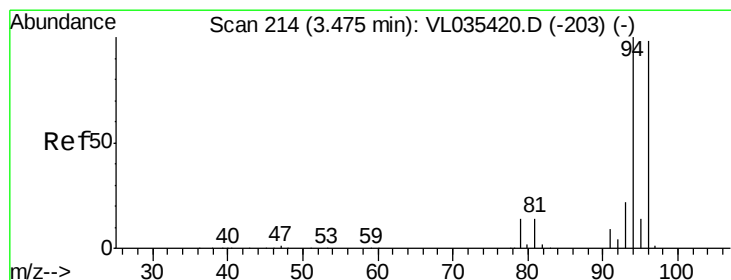
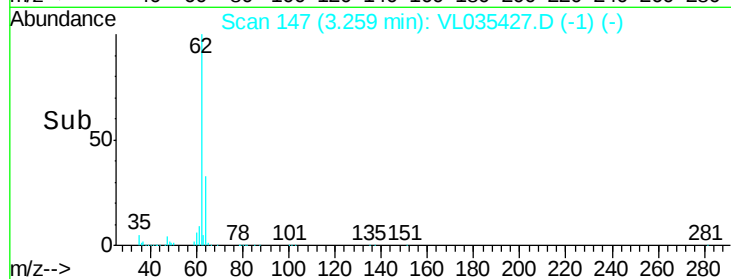
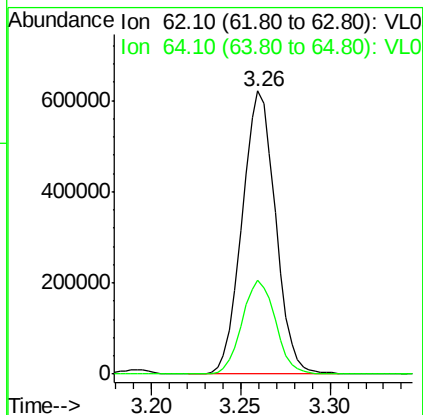
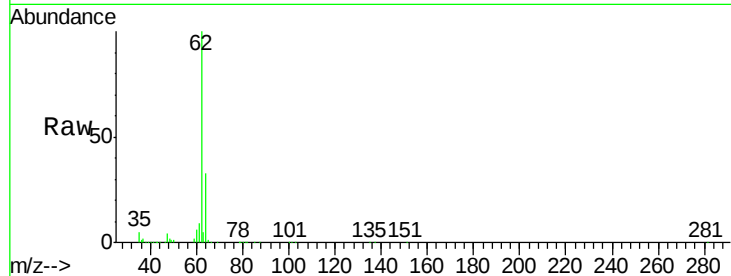
64 33.1 25.0 37.4

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#6

Bromomethane

Concen: 9.465 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL035427.D

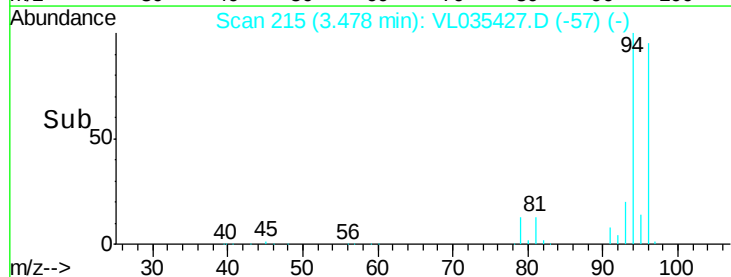
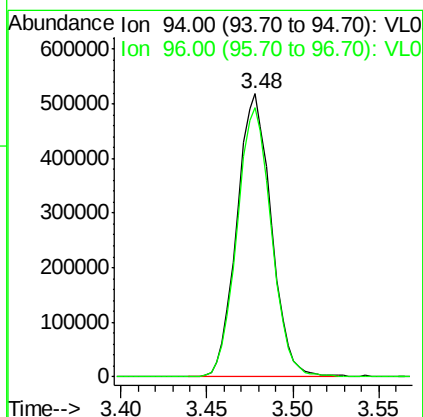
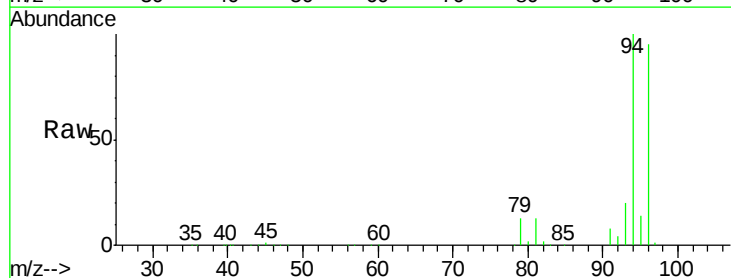
Acq: 17 Aug 2020 19:49

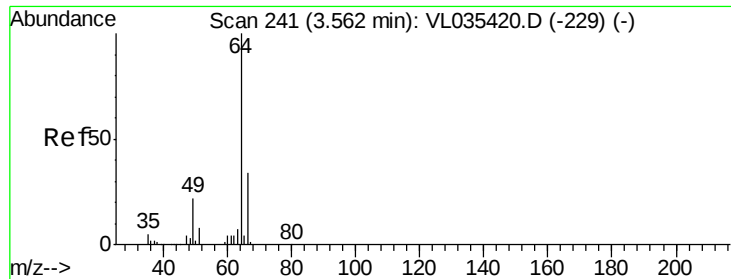
Tgt Ion: 94 Resp: 719252

Ion Ratio Lower Upper

94 100

96 94.9 75.0 112.6





#7

Chloroethane

Concen: 9.345 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

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Tot Ion: 64 Resp: 299154

Ion Ratio Lower Upper

64 100

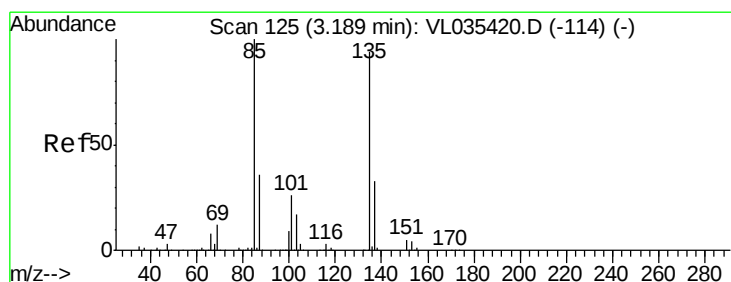
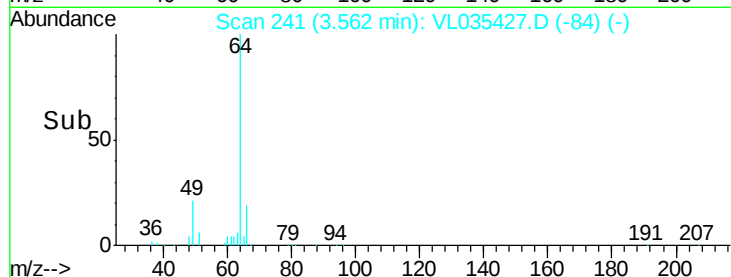
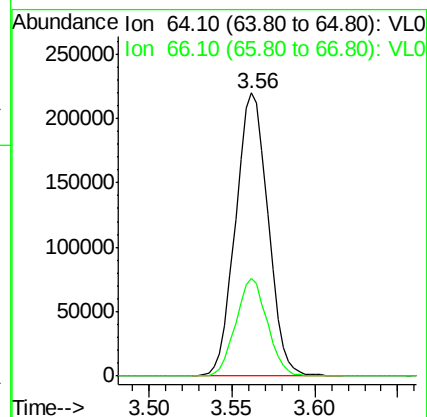
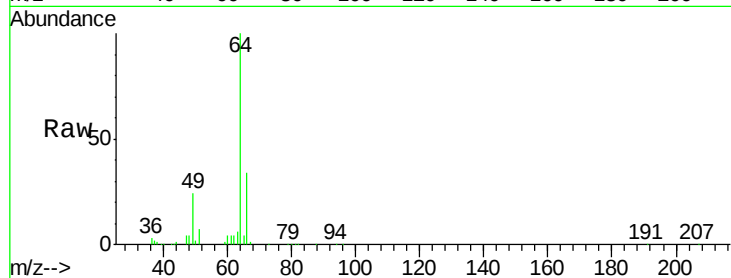
66 34.4 24.5 36.7

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#8

Dichlorotetrafluoroethane

Concen: 8.767 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL035427.D

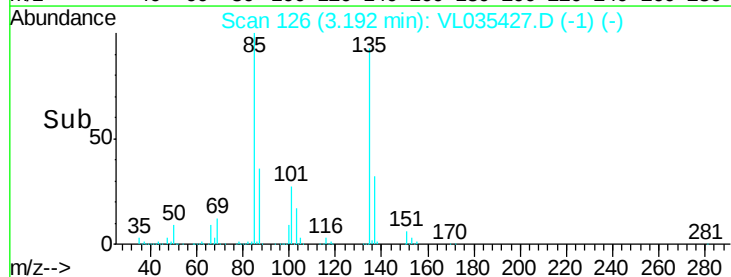
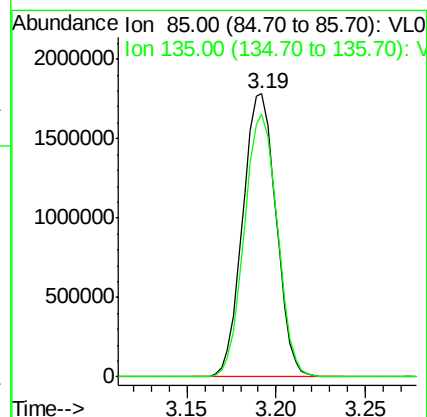
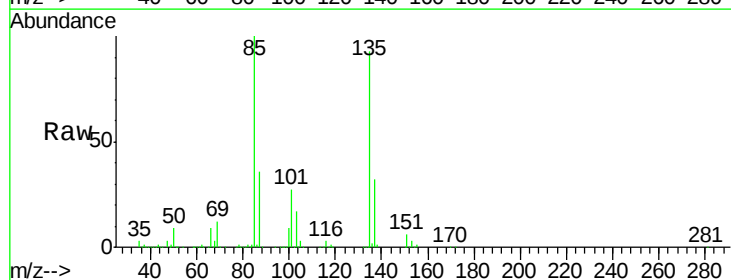
Acq: 17 Aug 2020 19:49

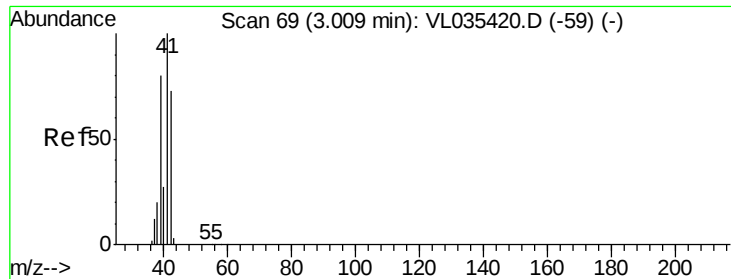
Tgt Ion: 85 Resp: 2315863

Ion Ratio Lower Upper

85 100

135 92.5 48.6 72.8#





#9

Propene

Concen: 9.027 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

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Acq: 17 Aug 2020 19:49

Instrument :

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ClientSampleId :

ICVVL081720

Tot Ion: 41 Resp: 506375

Ion Ratio Lower Upper

41 100

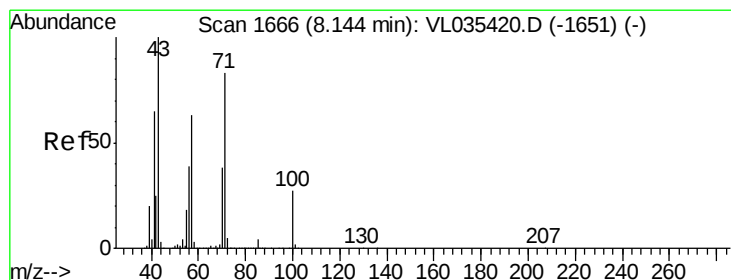
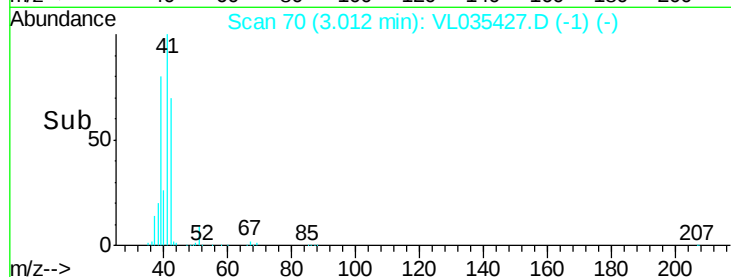
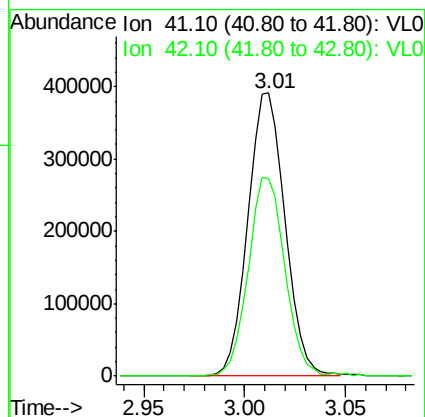
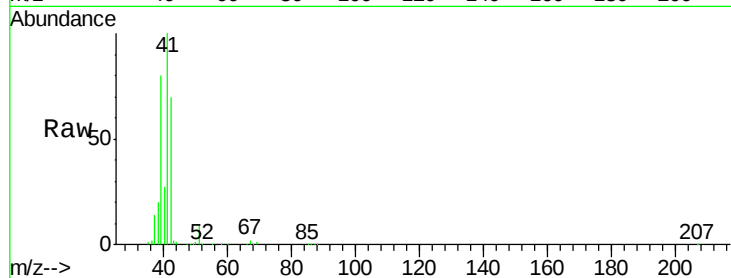
42 69.8 55.5 83.3

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#10

Heptane

Concen: 9.162 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.01 min

Lab File: VL035427.D

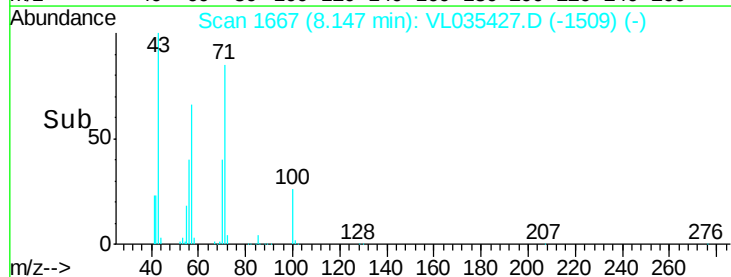
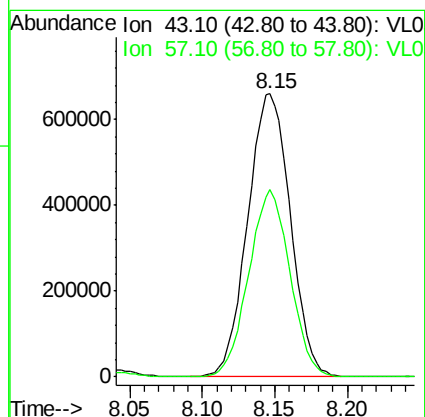
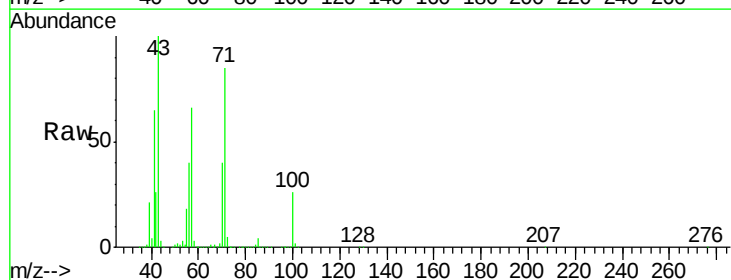
Acq: 17 Aug 2020 19:49

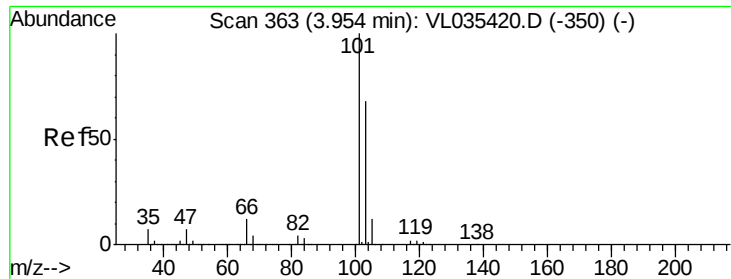
Tgt Ion: 43 Resp: 1347516

Ion Ratio Lower Upper

43 100

57 64.2 39.8 59.6#





#11

Trichlorofluoromethane

Concen: 8.757 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

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Acq: 17 Aug 2020 19:49

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 2834631

Ion Ratio Lower Upper

101 100

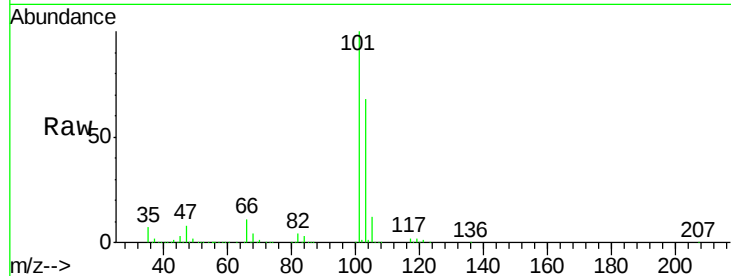
103 68.4 52.6 78.8

Manual Integrations

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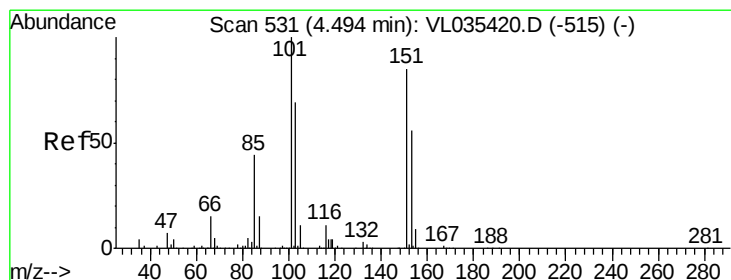
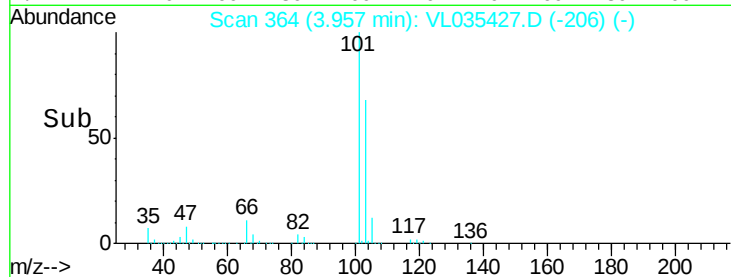
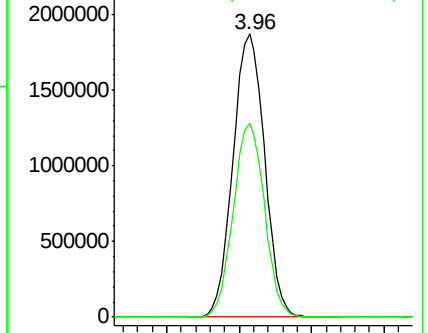
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.893 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.01 min

Lab File: VL035427.D

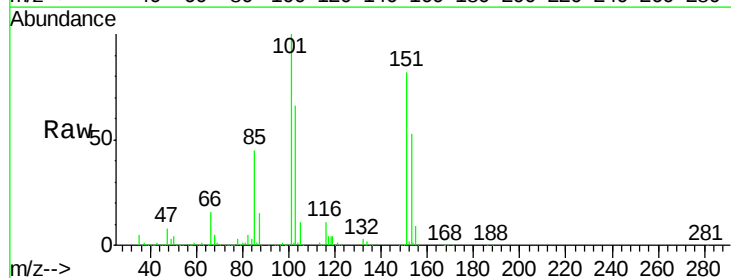
Acq: 17 Aug 2020 19:49

Tgt Ion:101 Resp: 2145119

Ion Ratio Lower Upper

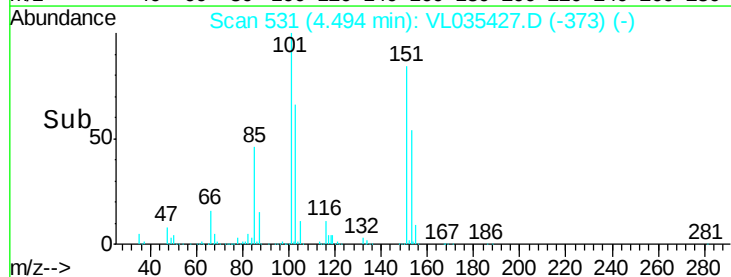
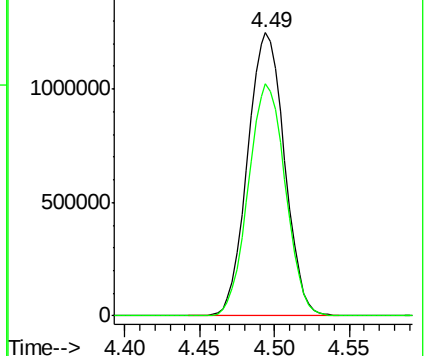
101 100

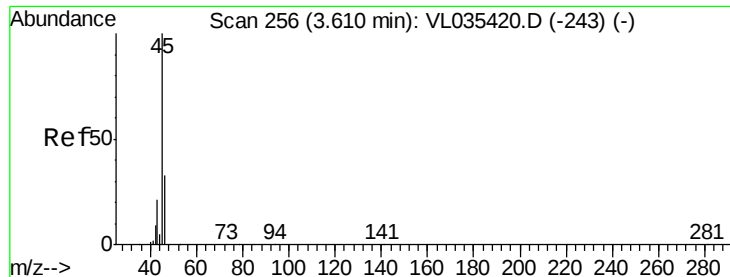
151 82.4 53.6 80.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





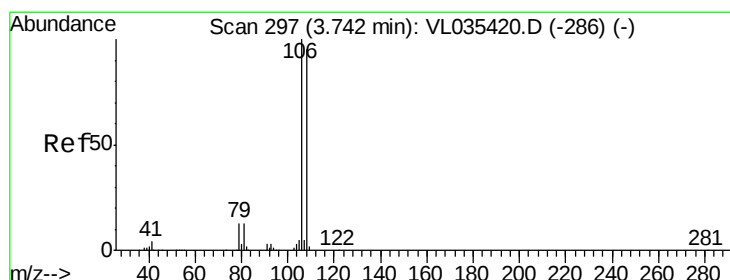
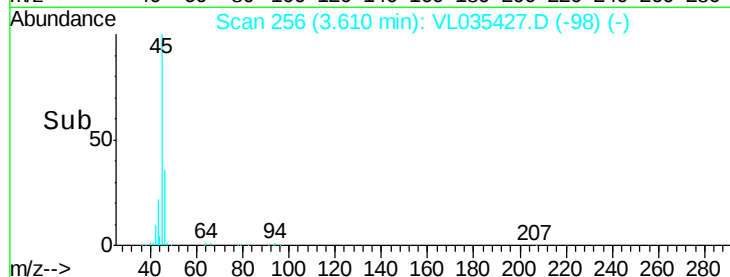
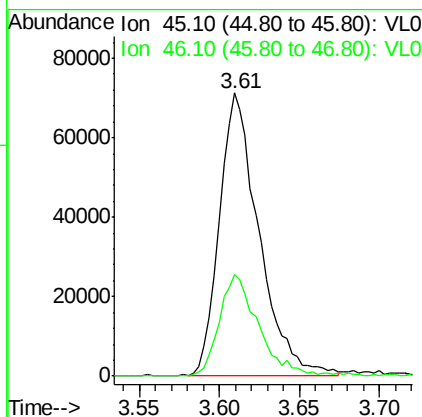
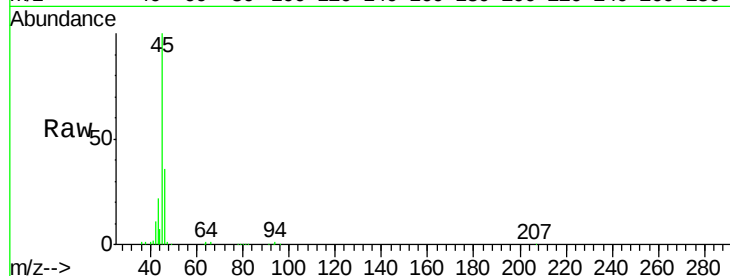
#13
Ethanol
Concen: 5.846 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081720

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.4	14.2	56.6

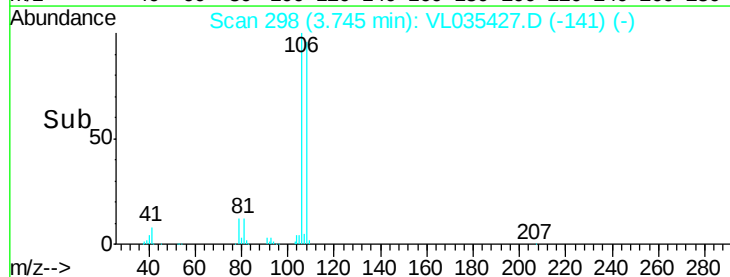
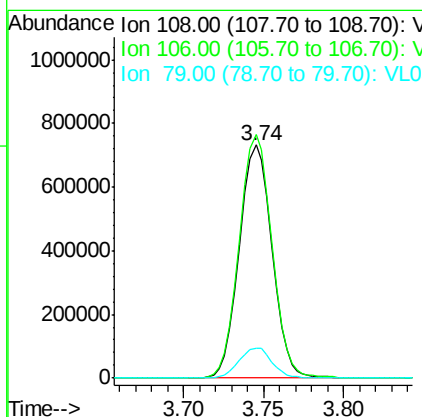
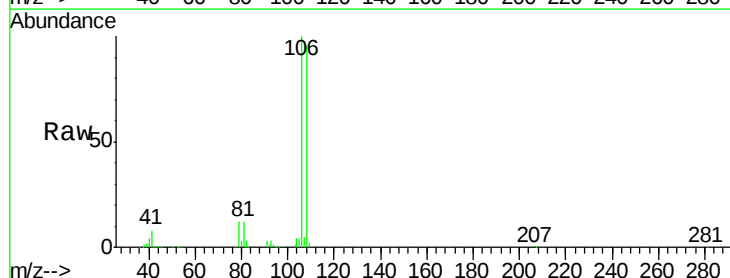
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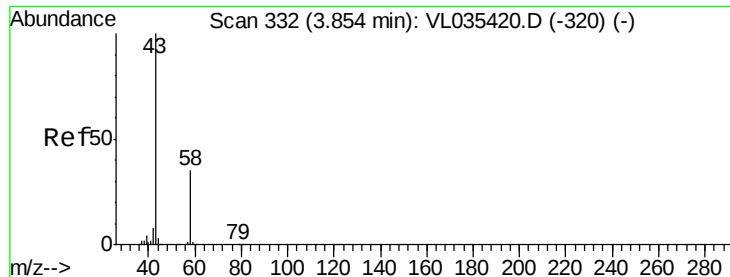
MMDadoda
8/20/2020 11:05:53 AM



#14
Bromoethene
Concen: 9.538 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Tgt Ion	Ratio	Lower	Upper
108	100		
106	104.8	86.7	130.1
79	13.0	16.8	25.2





#15

Acetone

Concen: 8.000 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081720

Tot Ion: 43 Resp: 1024877

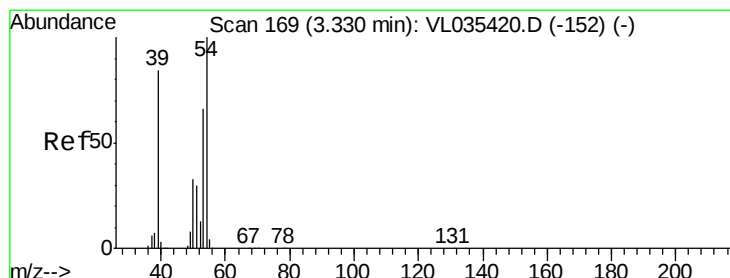
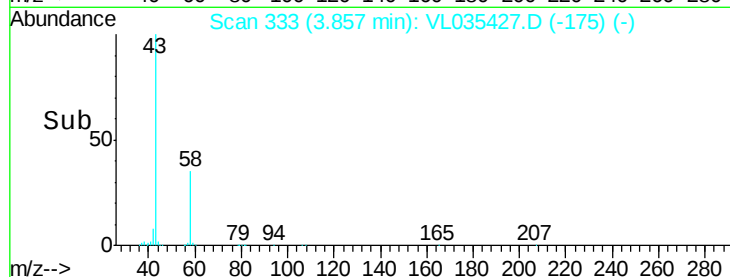
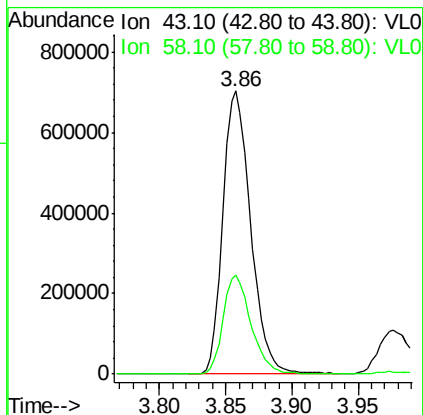
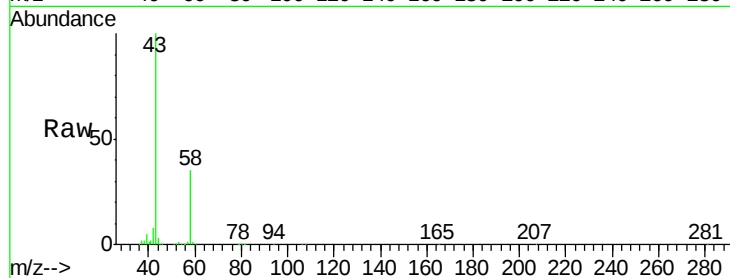
Ion Ratio Lower Upper

43 100

58 35.2 21.0 31.6#

Manual Integrations
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#16

1,3-Butadiene

Concen: 9.333 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL035427.D

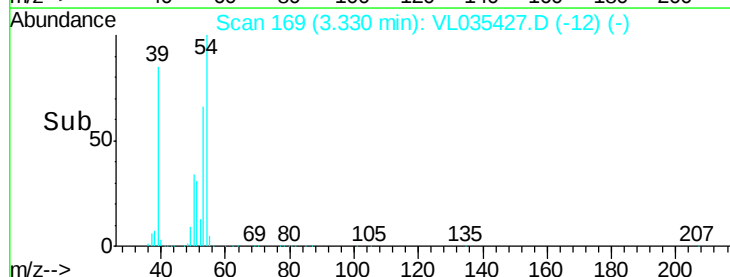
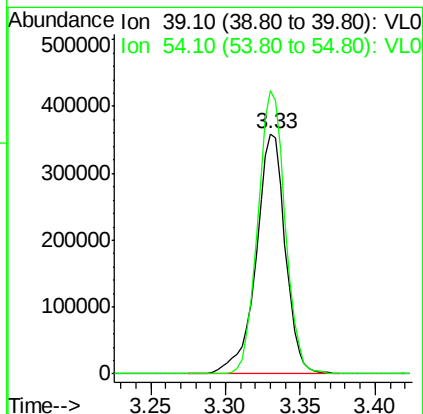
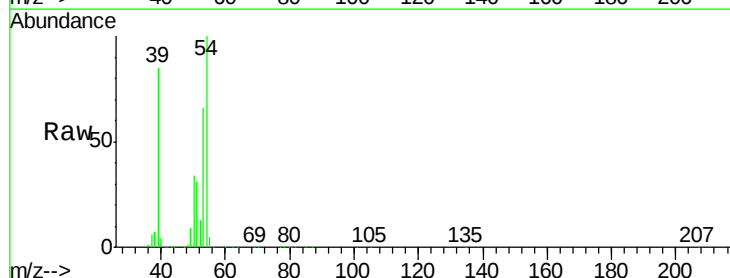
Acq: 17 Aug 2020 19:49

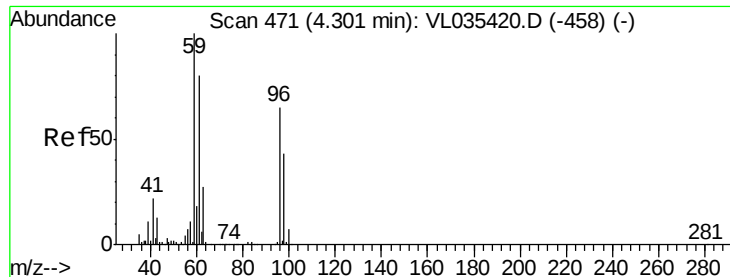
Tgt Ion: 39 Resp: 484868

Ion Ratio Lower Upper

39 100

54 111.3 64.4 96.6#





#17

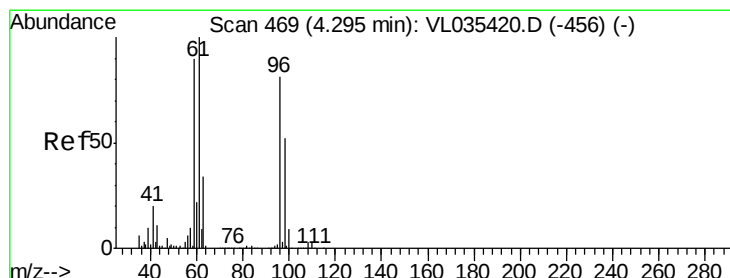
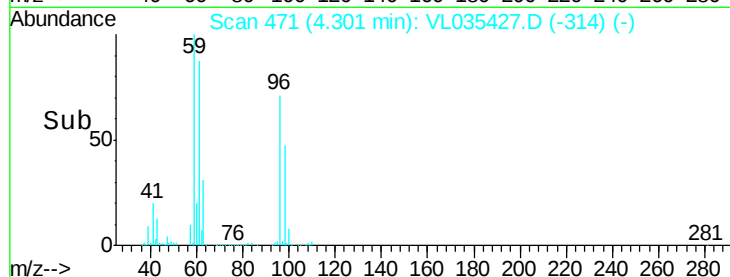
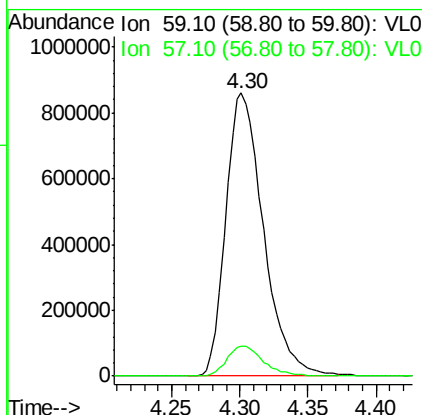
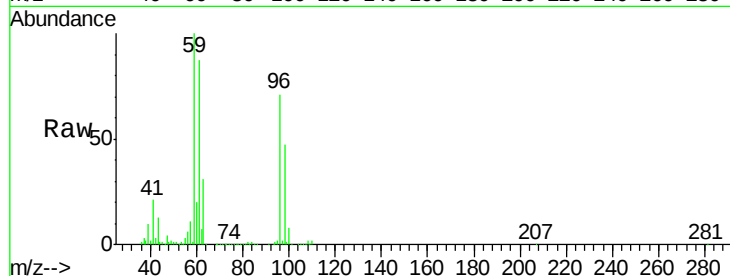
tert-Butyl alcohol
Concen: 9.936 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081720

Tot Ion: 59 Resp: 1645257
Ion Ratio Lower Upper
59 100
57 10.3 8.9 13.3

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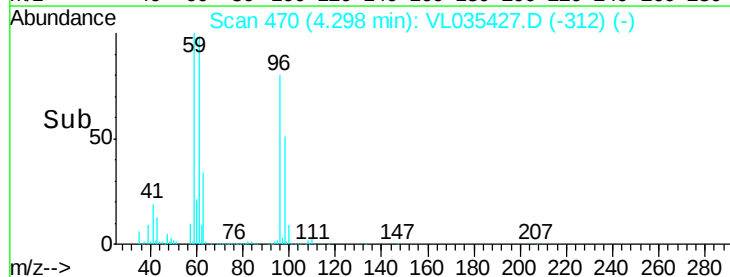
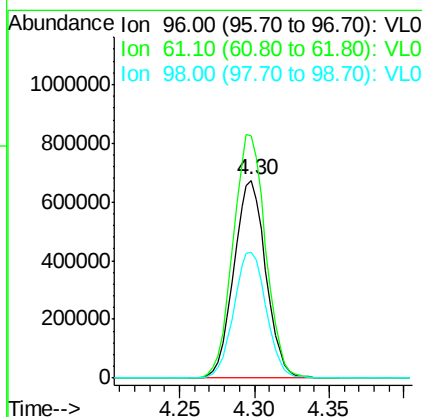
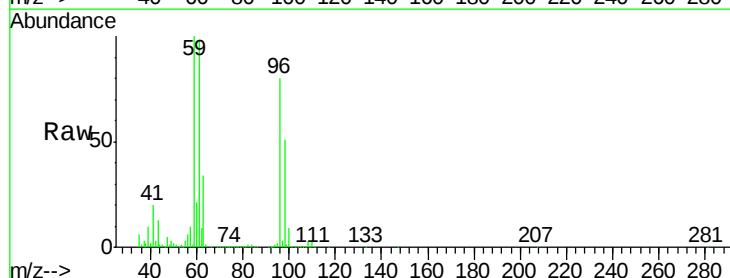
MMDadoda
8/20/2020 11:05:53 AM

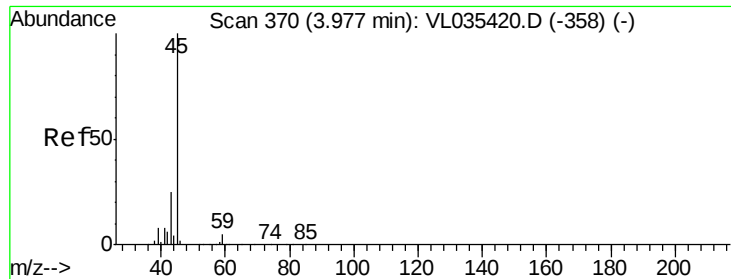


#18

1,1-Dichloroethene
Concen: 9.400 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Tgt Ion: 96 Resp: 1001222
Ion Ratio Lower Upper
96 100
61 122.4 161.8 242.6#
98 63.7 49.3 73.9





#19

Isopropyl Alcohol

Concen: 9.182 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081720

Tot Ion: 45 Resp: 810811

Ion Ratio Lower Upper

45 100

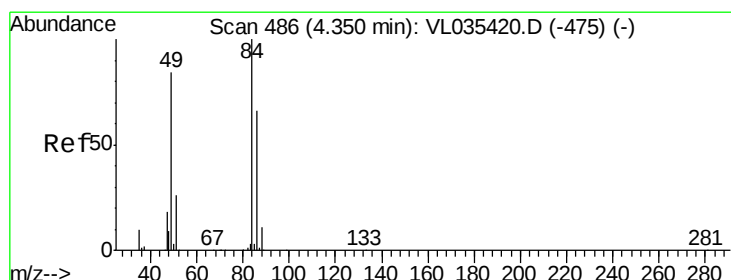
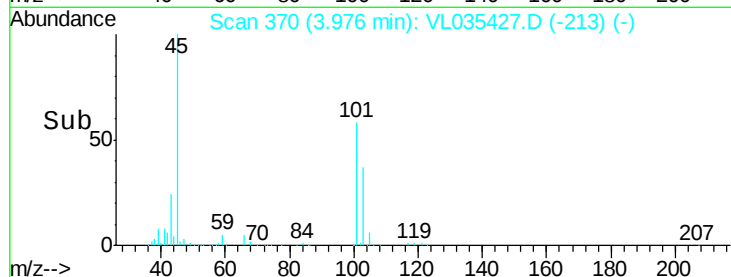
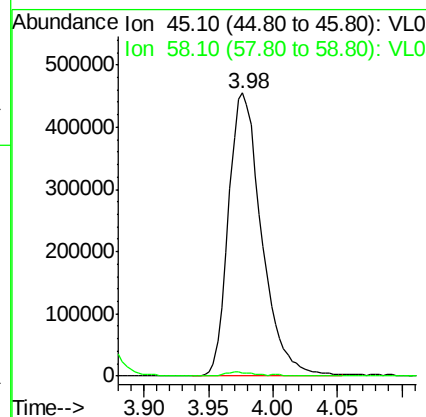
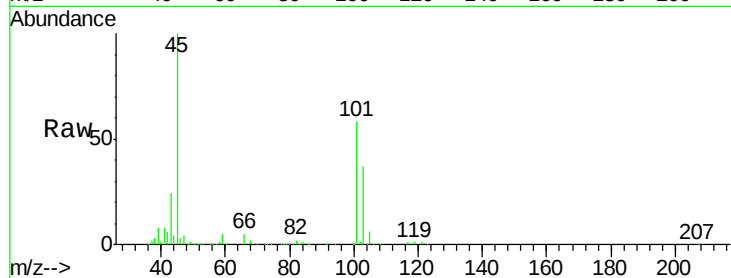
58 1.8 1.0 1.6#

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#20

Methylene Chloride

Concen: 7.648 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Tgt Ion: 84 Resp: 790604

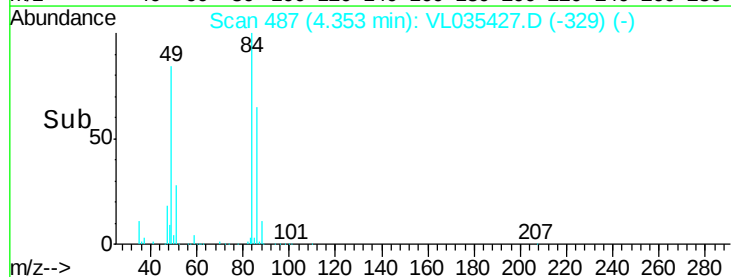
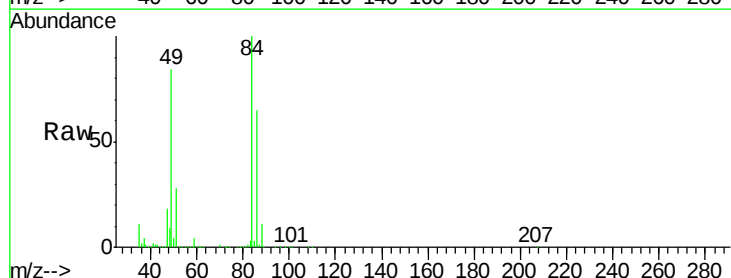
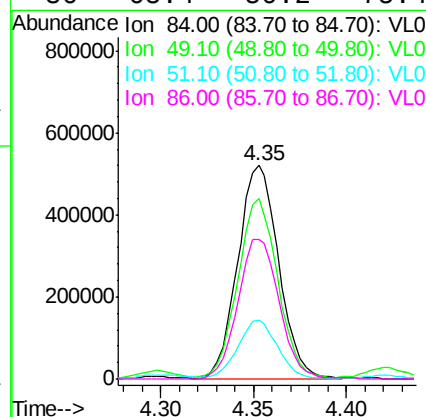
Ion Ratio Lower Upper

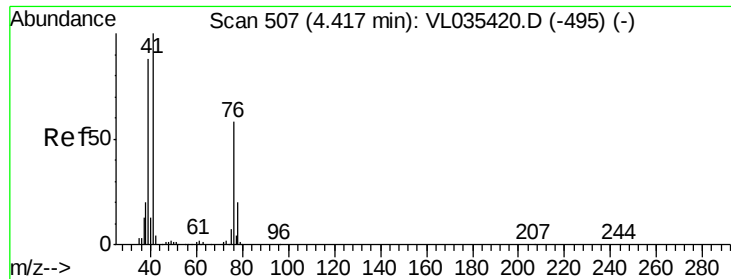
84 100

49 83.8 118.6 177.8#

51 27.4 36.4 54.6#

86 65.4 50.2 75.4





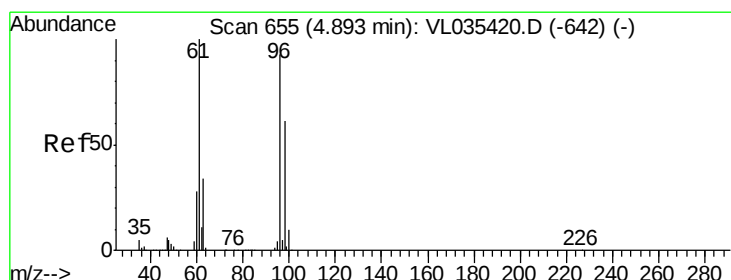
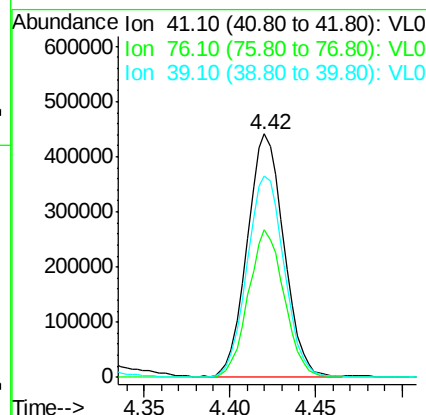
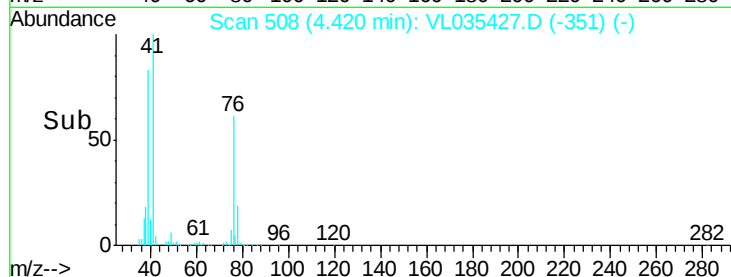
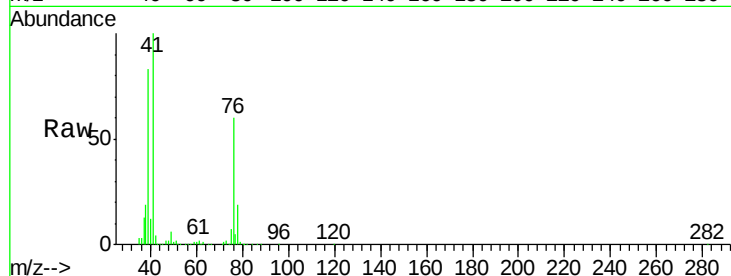
#21
Allvl Chloride
Concen: 9.965 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081720

Tot Ion	Ratio	Lower	Upper
41	100		
76	59.9	22.8	34.2#
39	84.5	66.2	99.2

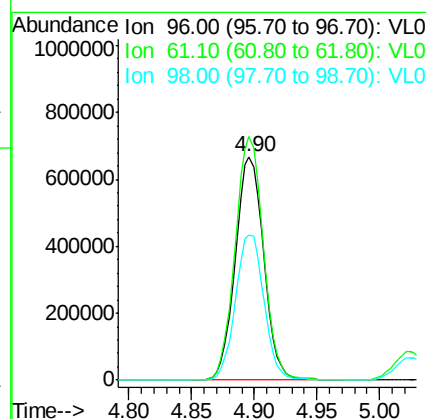
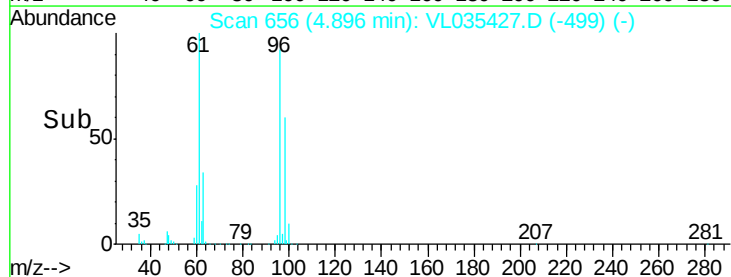
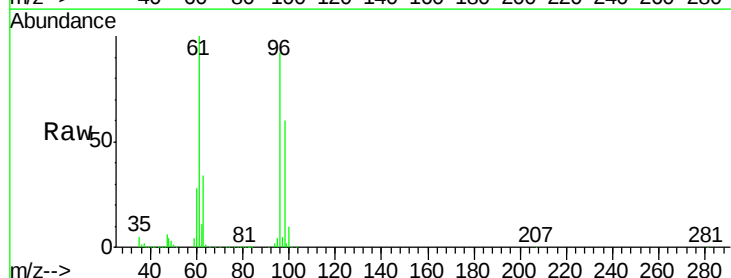
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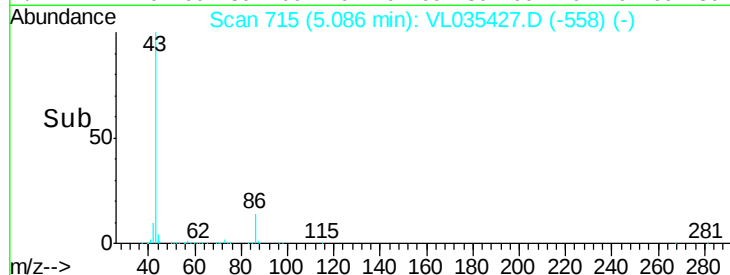
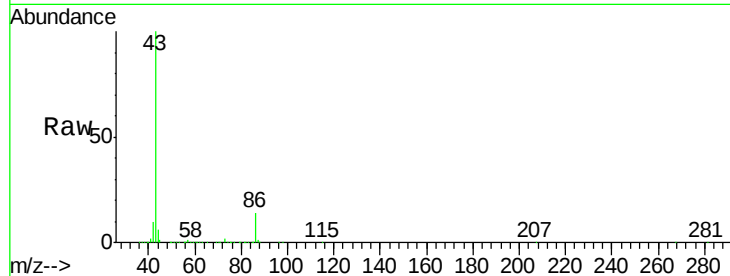
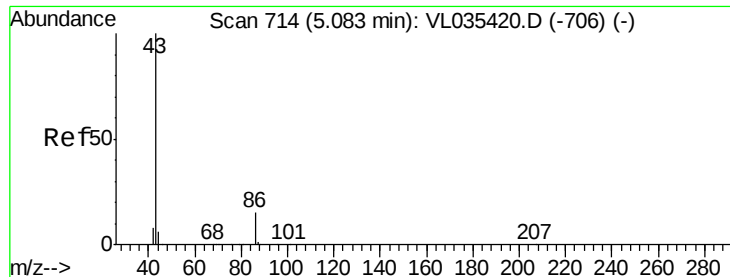
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#22
trans-1,2-Dichloroethene
Concen: 9.258 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	109.0	142.2	213.2#
98	65.1	51.8	77.8





#23

Vinyl Acetate

Concen: 9.572 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	13.7	6.5	9.7#	
42	9.6	8.3	12.5	
44	5.6	4.0	6.0	

Instrument :

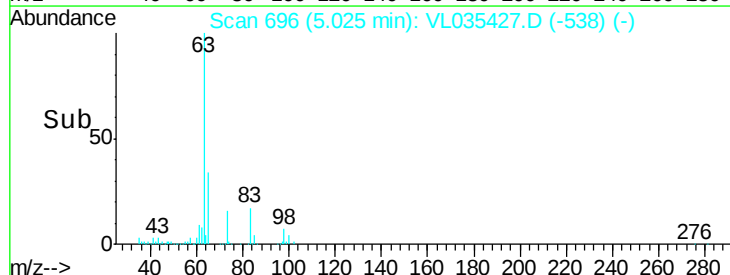
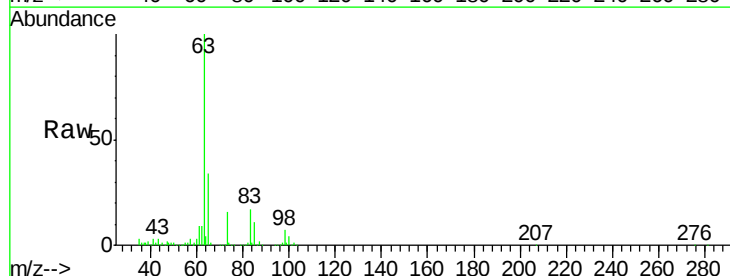
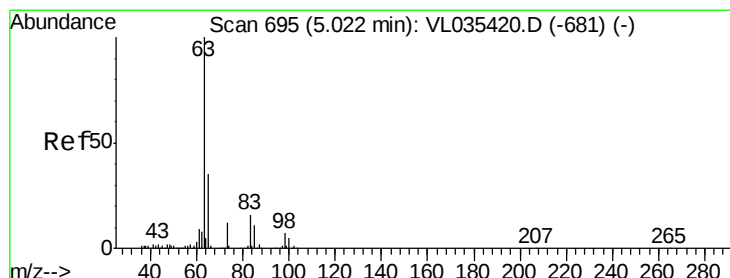
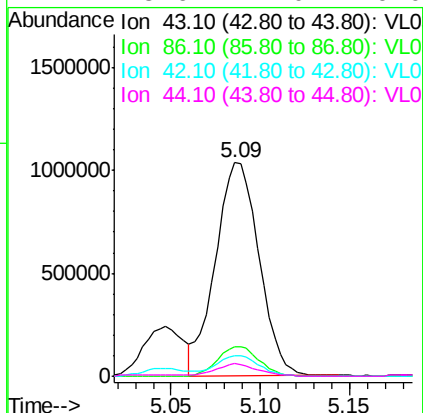
MSVOA_L

ClientSampleId :

ICVVL081720

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#24

1,1-Dichloroethane

Concen: 9.142 ppbv

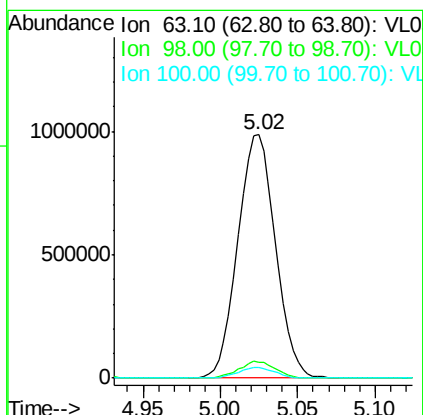
RT: 5.02 min Scan# 696

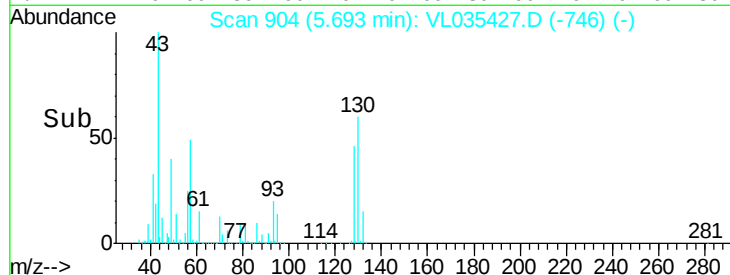
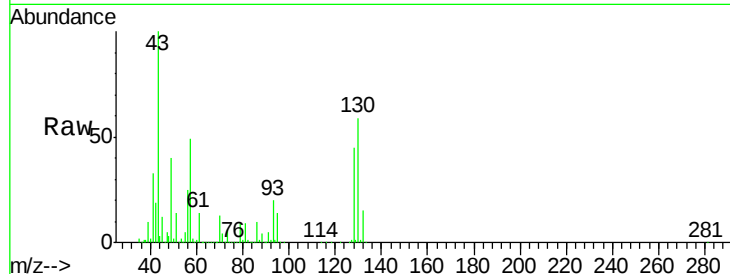
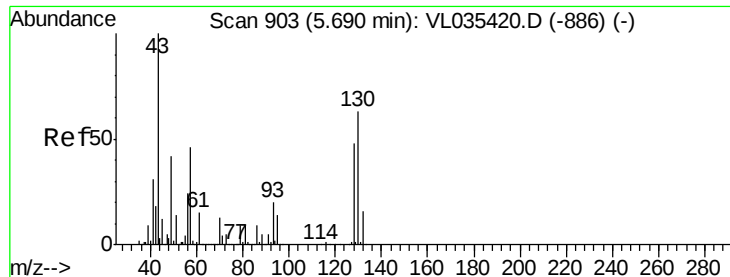
Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	6.6	2.1	6.5#	
100	4.4	1.3	3.8#	





#25

Ethyl Acetate

Concen: 8.754 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.9	8.3	12.5	
61	13.5	7.6	11.4#	
70	11.9	6.0	9.0#	

Instrument :

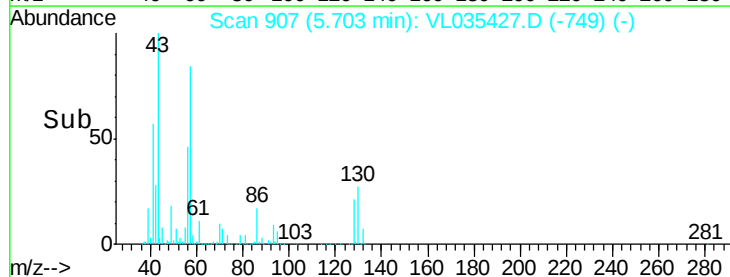
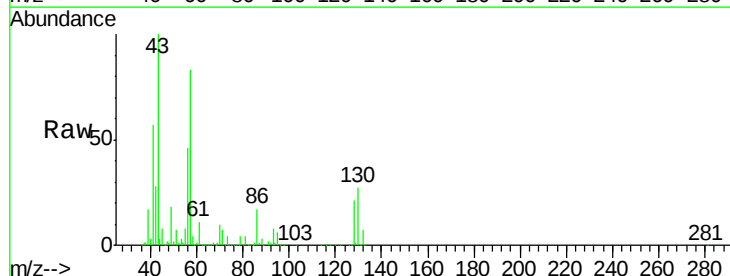
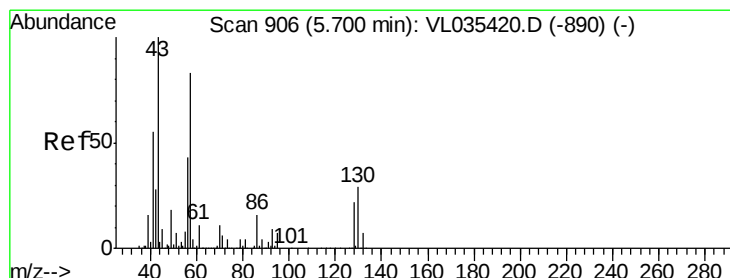
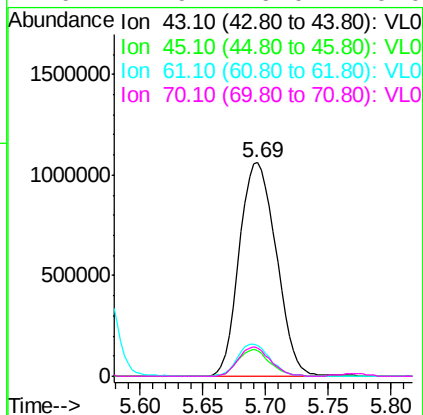
MSVOA_L

ClientSampleId :

ICVVL081720

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#26

Hexane

Concen: 8.806 ppbv

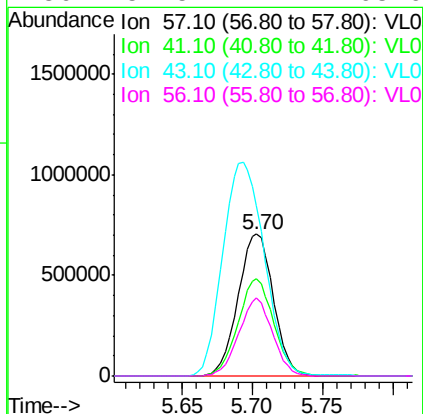
RT: 5.70 min Scan# 907

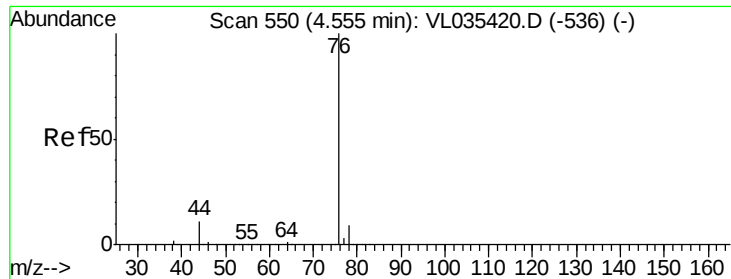
Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	70.1	75.5	113.3#	
43	177.0	181.7	272.5#	
56	52.5	42.4	63.6	





#27

Carbon Disulfide

Concen: 10.309 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081720

Tot Ion: 76 Resp: 2096494

Ion Ratio Lower Upper

76 100

44 11.4 16.8 25.2#

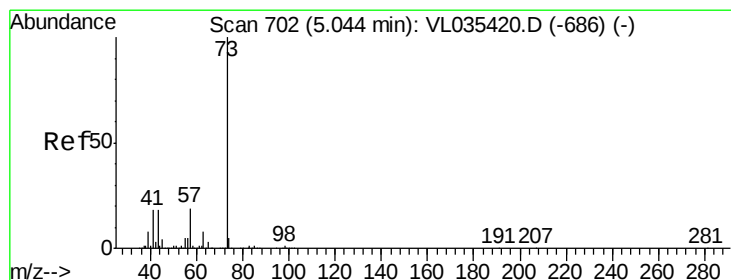
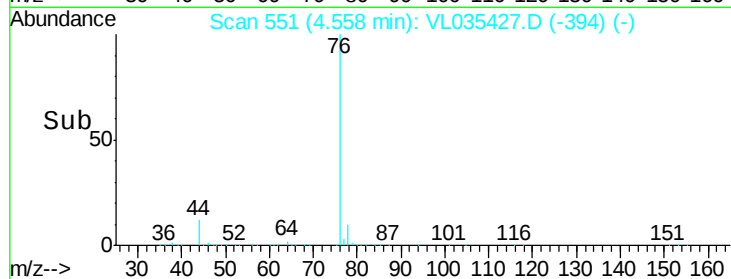
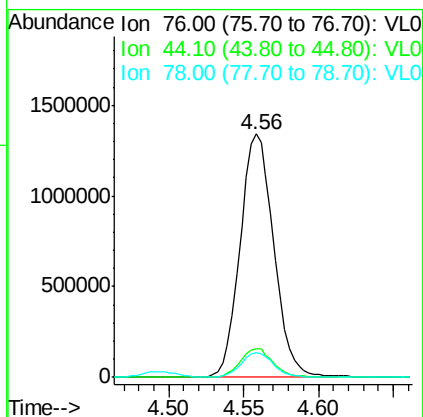
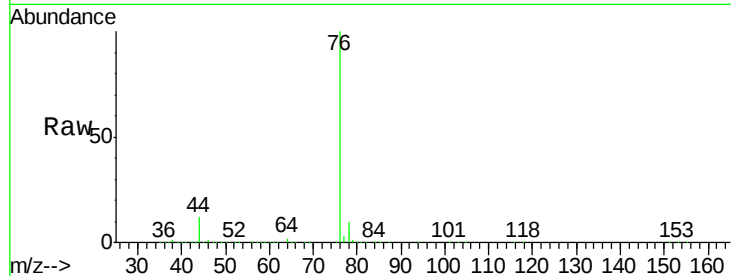
78 9.9 7.3 10.9

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 9.553 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.01 min

Lab File: VL035427.D

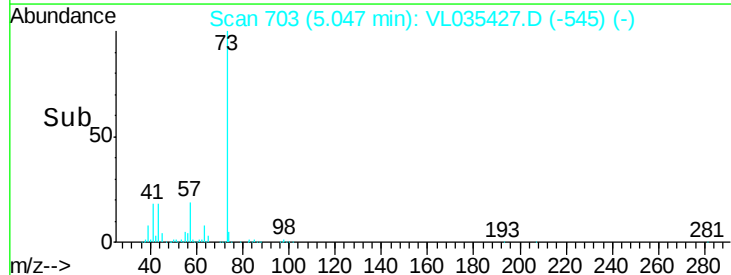
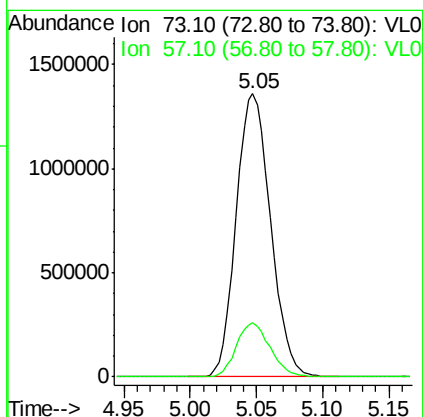
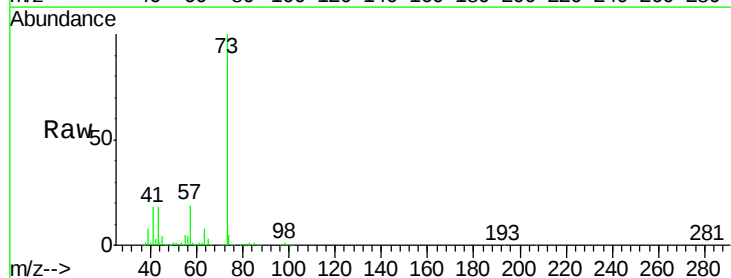
Acq: 17 Aug 2020 19:49

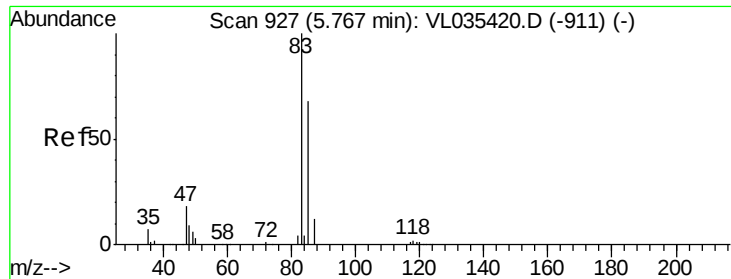
Tgt Ion: 73 Resp: 2455216

Ion Ratio Lower Upper

73 100

57 18.8 18.3 27.5





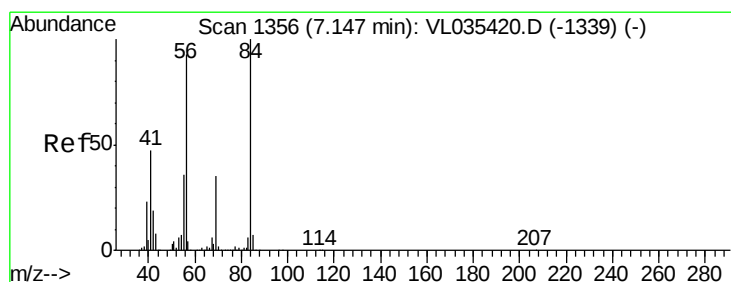
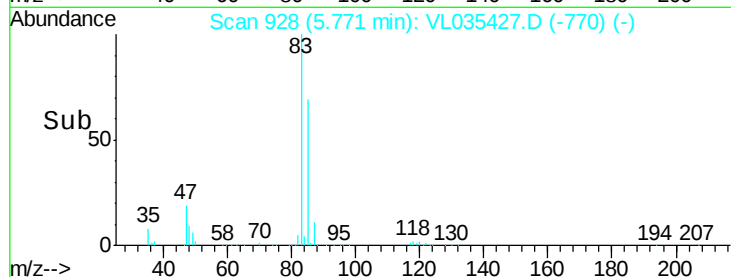
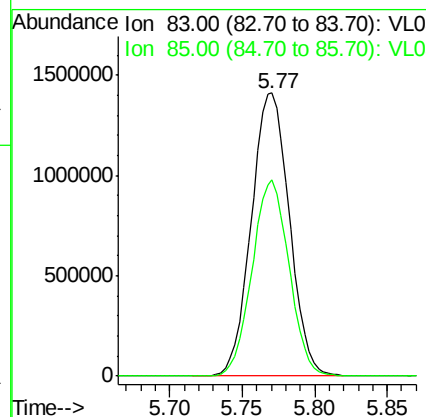
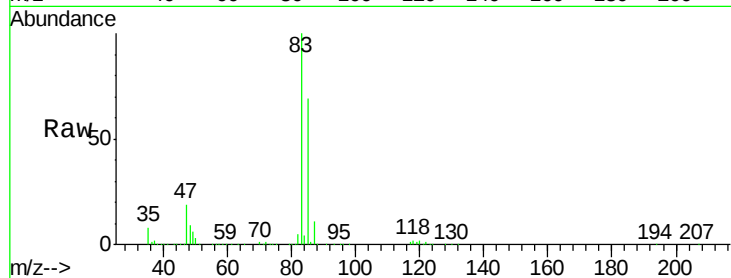
#29
Chloroform
Concen: 9.134 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081720

Tot Ion: 83 Resp: 2581862
Ion Ratio Lower Upper
83 100
85 69.2 52.7 79.1

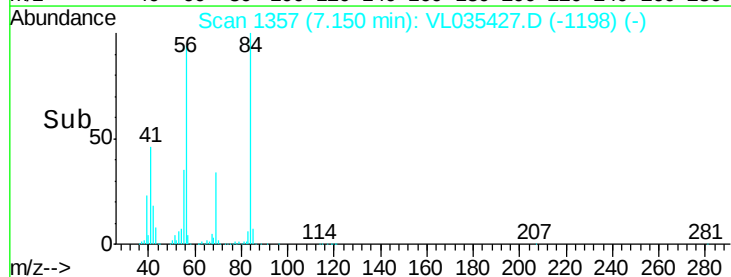
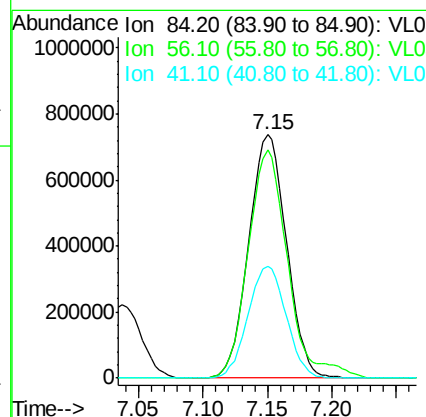
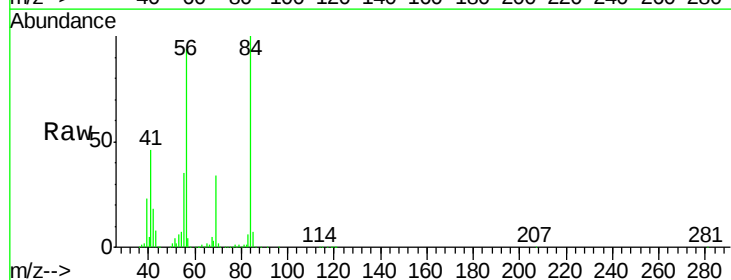
Manual Integrations
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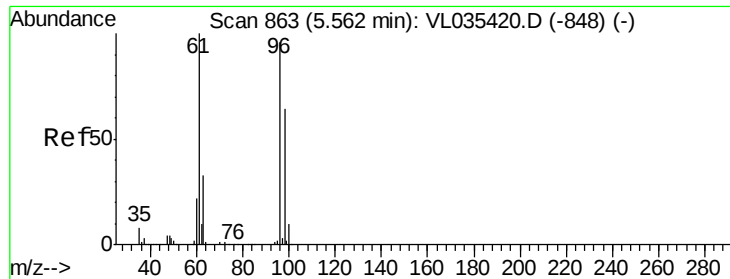
MMDadoda
8/20/2020 11:05:53 AM



#30
Cyclohexane
Concen: 9.646 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Tgt Ion: 84 Resp: 1505702
Ion Ratio Lower Upper
84 100
56 98.5 114.9 172.3#
41 46.5 72.3 108.5#





#31

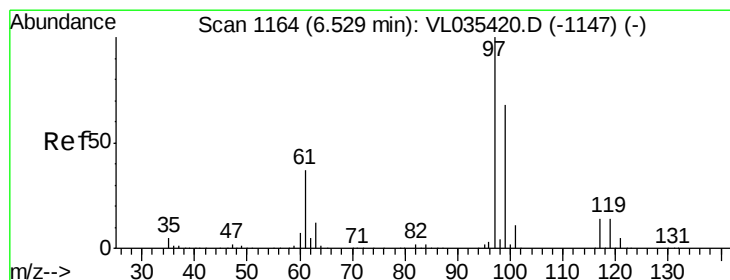
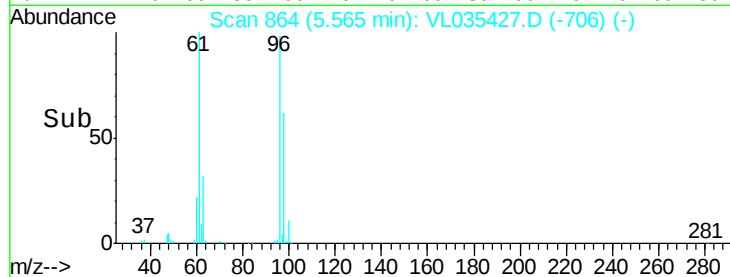
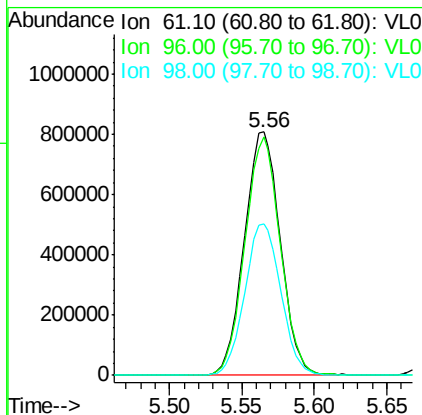
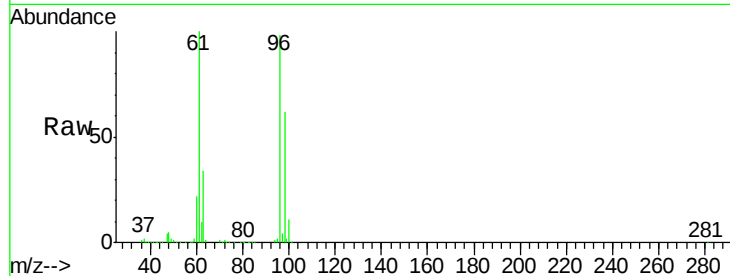
cis-1,2-Dichloroethene
 Concen: 9.449 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VL035427.D
 Acq: 17 Aug 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081720

Tot Ion	Ion	Ratio	Resp	Lower	Upper
61	100				
96	97.8	51.4	77.0#		
98	62.4	32.9	49.3#		

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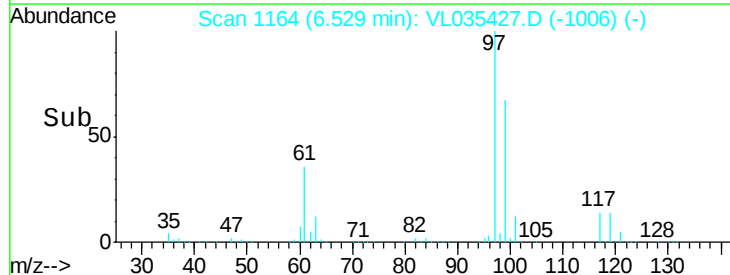
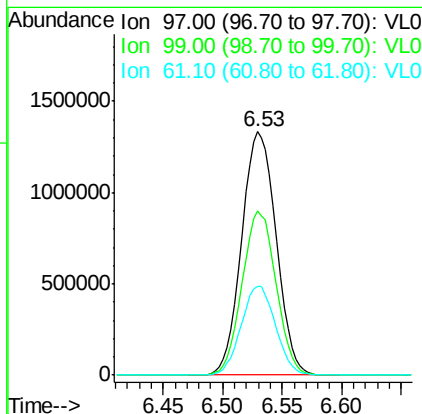
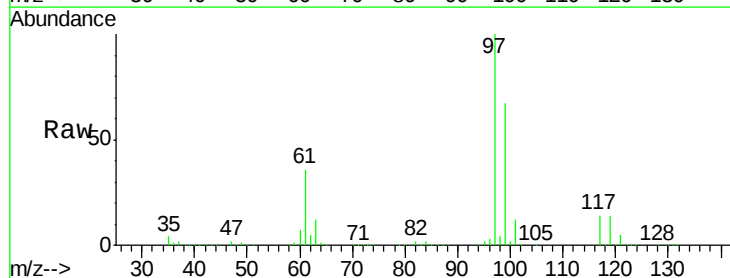
MMDadoda
 8/20/2020 11:05:53 AM

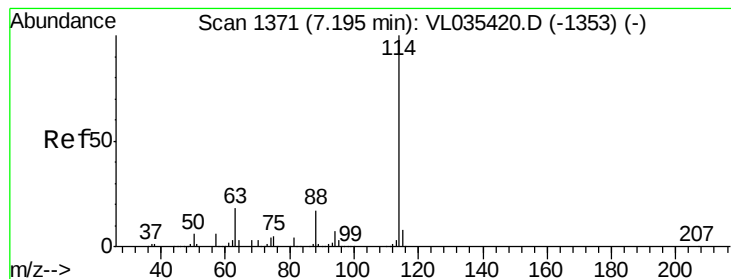


#32

1,1,1-Trichloroethane
 Concen: 10.115 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. 0.01 min
 Lab File: VL035427.D
 Acq: 17 Aug 2020 19:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
99	66.3	51.4	77.0		
61	36.5	41.0	61.6#		





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081720

Tot Ion:114 Resp: 5235361

Ion Ratio Lower Upper

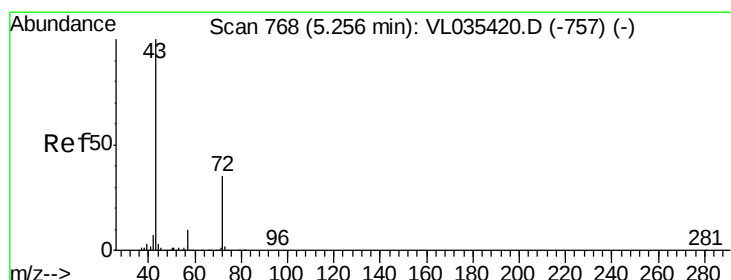
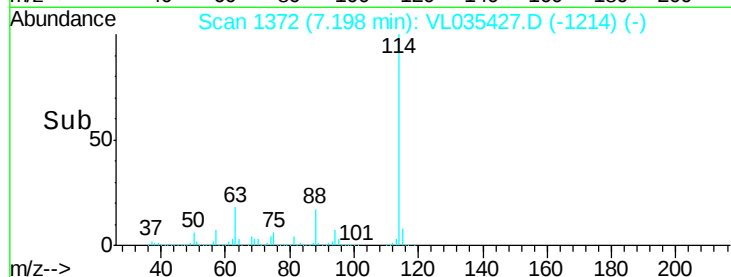
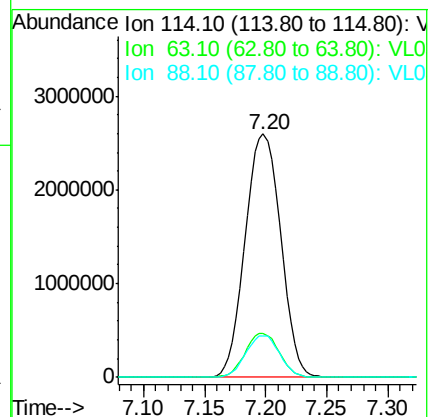
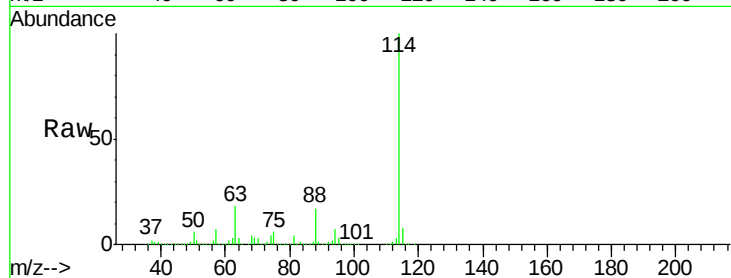
114 100

63 17.6 23.1 34.7#

88 16.4 15.9 23.9

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#34

2-Butanone

Concen: 8.759 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.01 min

Lab File: VL035427.D

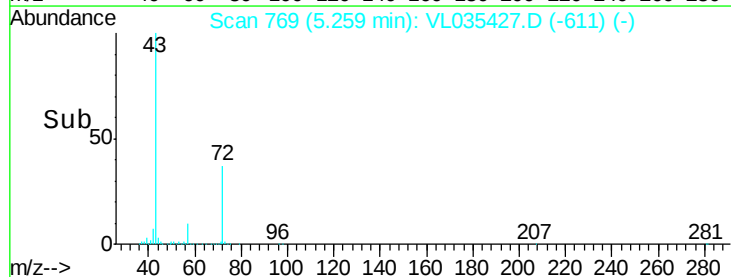
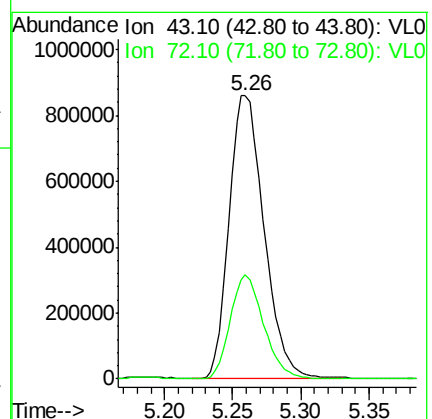
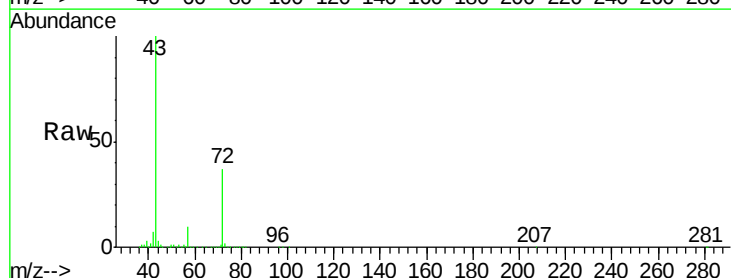
Acq: 17 Aug 2020 19:49

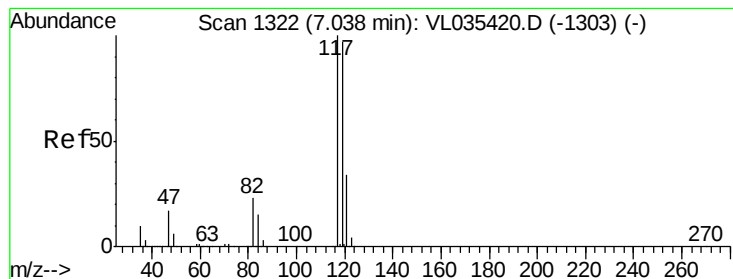
Tgt Ion: 43 Resp: 1532168

Ion Ratio Lower Upper

43 100

72 35.3 17.6 26.4#





#35

Carbon Tetrachloride

Concen: 10.190 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081720

Tot Ion:117 Resp: 2837376

Ion Ratio Lower Upper

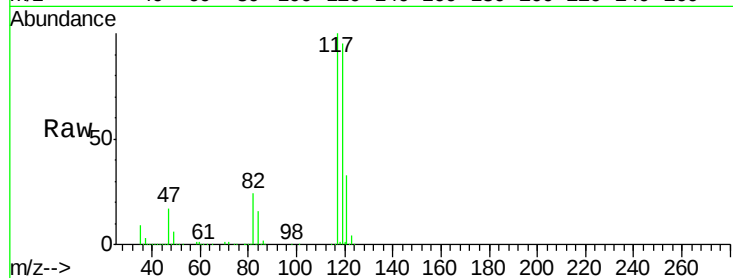
117 100

119 95.0 76.1 114.1

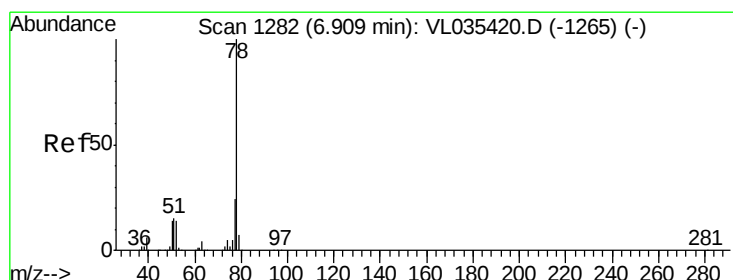
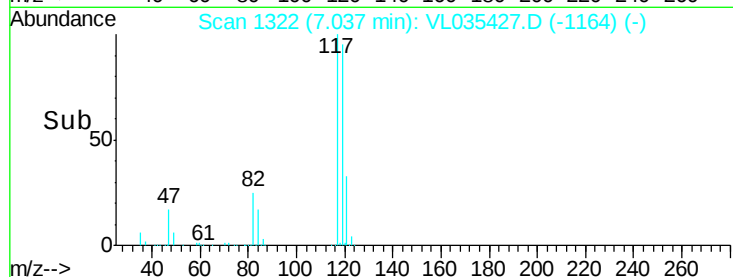
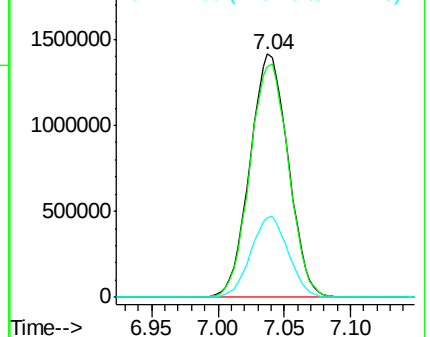
121 32.6 25.5 38.3

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.848 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

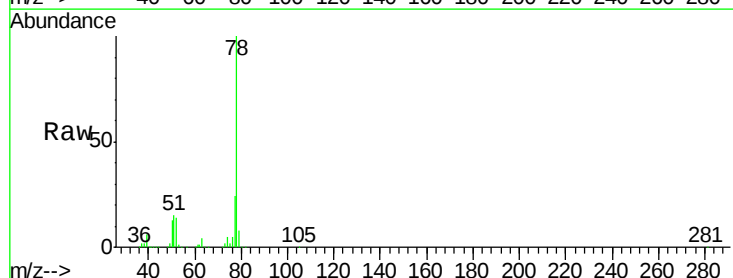
Tgt Ion: 78 Resp: 3399974

Ion Ratio Lower Upper

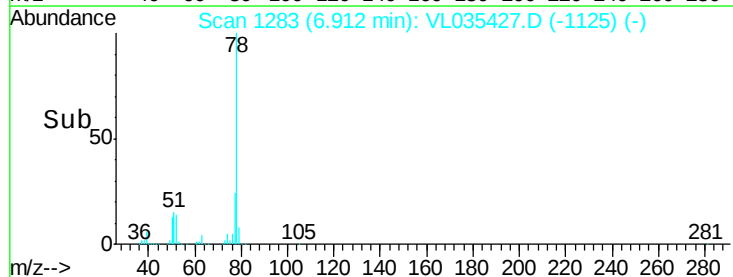
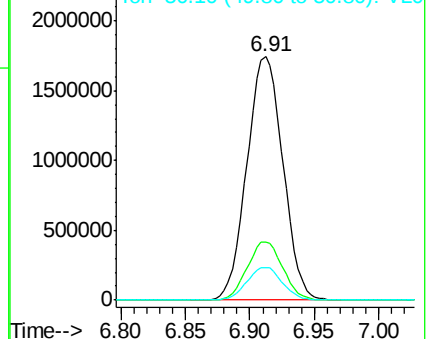
78 100

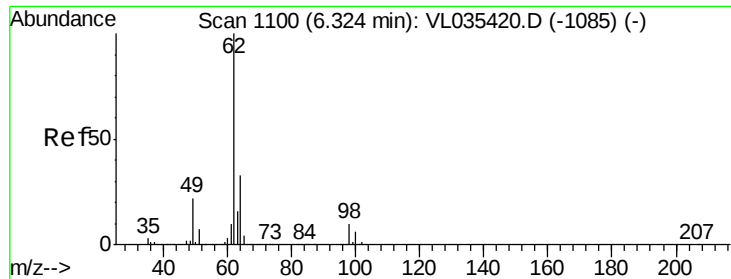
77 23.9 19.6 29.4

50 13.4 16.3 24.5#



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





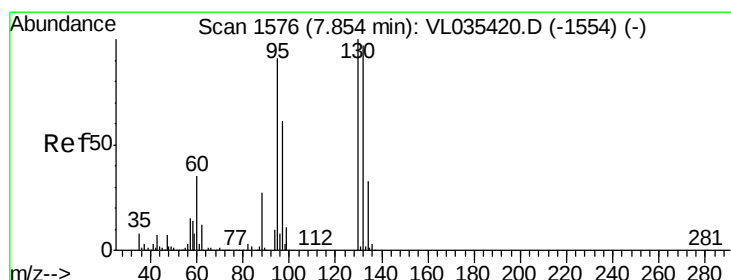
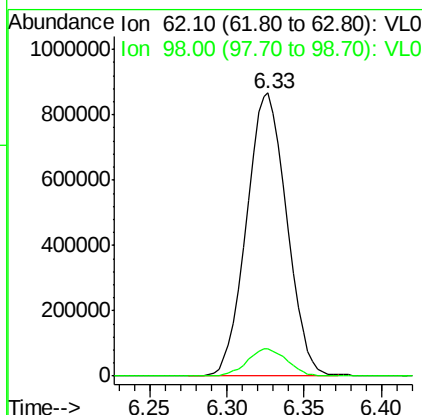
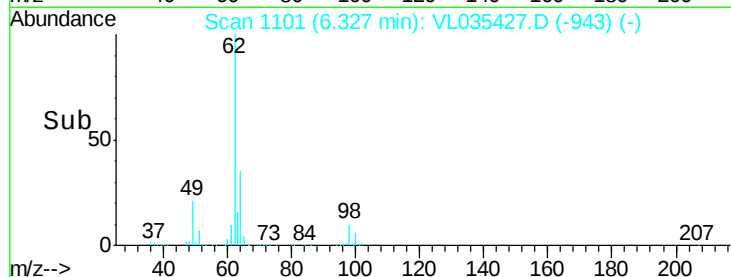
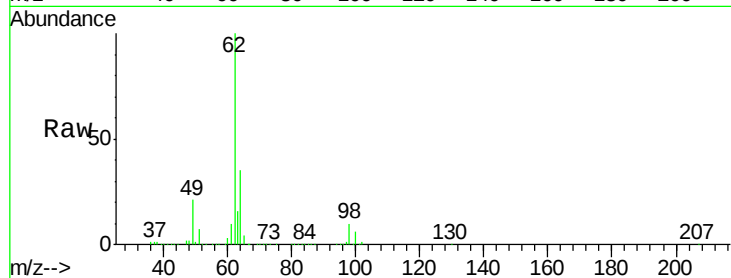
#37
 1,2-Dichloroethane
 Concen: 8.941 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. 0.01 min
 Lab File: VL035427.D
 Acq: 17 Aug 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081720

Tot Ion: 62 Resp: 1570041
 Ion Ratio Lower Upper
 62 100
 98 9.6 4.6 7.0#

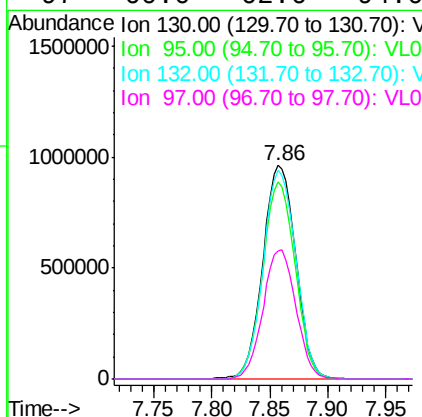
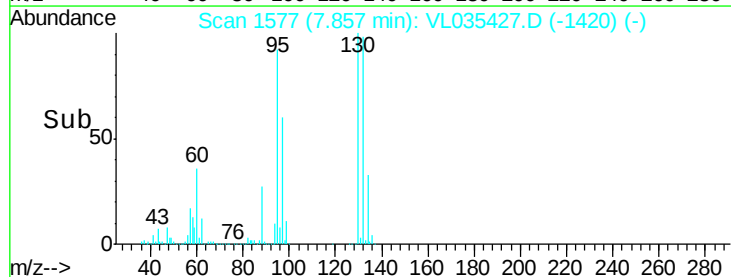
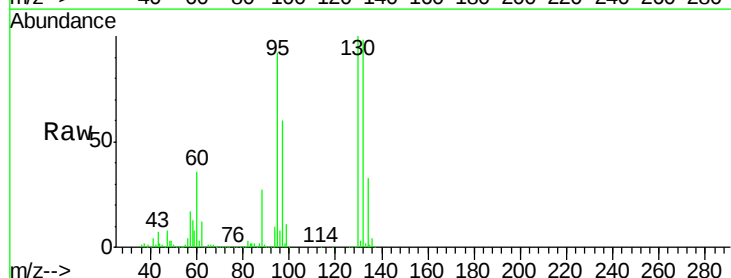
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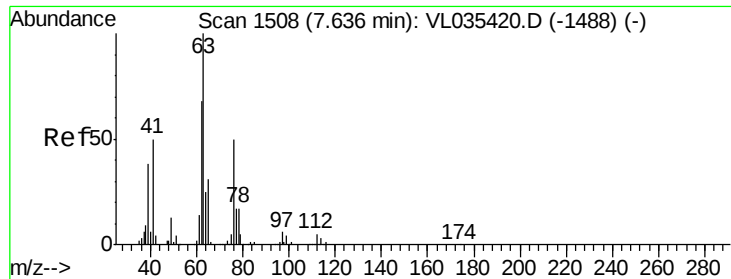
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#38
 Trichloroethene
 Concen: 8.924 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL035427.D
 Acq: 17 Aug 2020 19:49

Tgt Ion: 130 Resp: 1907417
 Ion Ratio Lower Upper
 130 100
 95 92.0 95.8 143.8#
 132 97.8 74.3 111.5
 97 60.0 62.6 94.0#





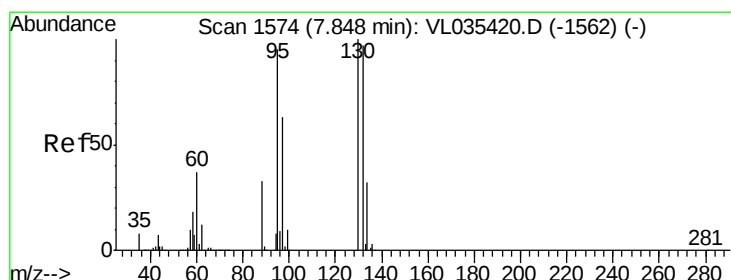
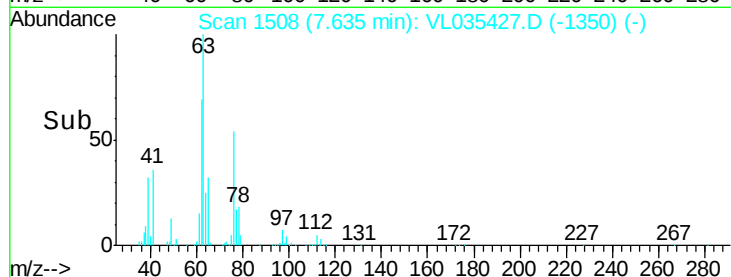
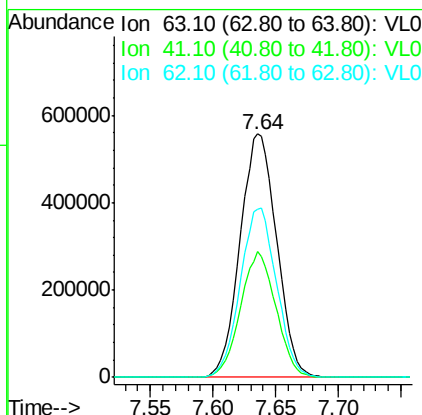
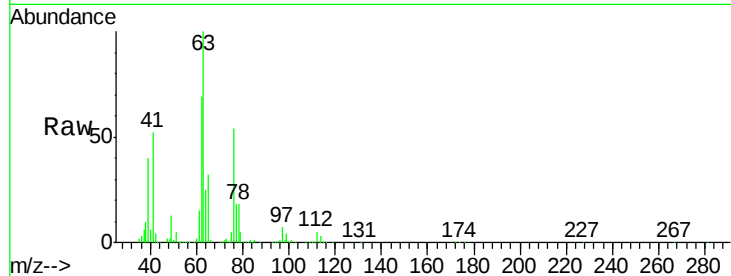
#39
 1,2-Dichloropropane
 Concen: 8.949 ppbv
 RT: 7.64 min Scan# 1508
 Delta R.T. 0.01 min
 Lab File: VL035427.D
 Acq: 17 Aug 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081720

Tot Ion	Ratio	Lower	Upper
63	100		
41	51.7	61.1	91.7#
62	69.0	55.3	82.9

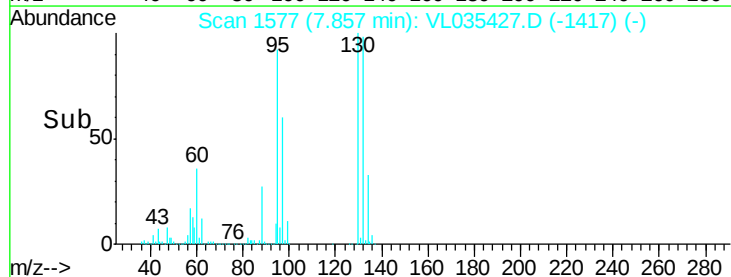
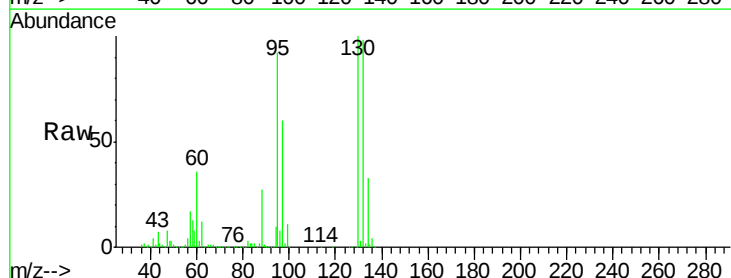
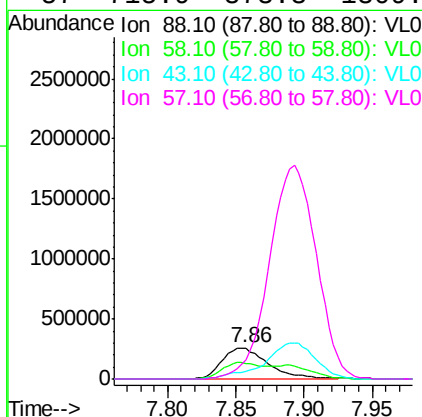
Manual Integrations
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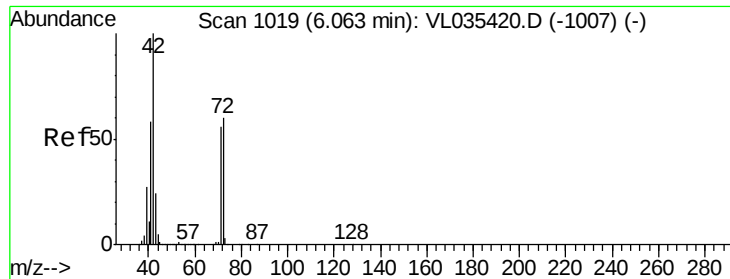
MMDadoda
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#40
 1,4-Dioxane
 Concen: 8.655 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.02 min
 Lab File: VL035427.D
 Acq: 17 Aug 2020 19:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	87.0	106.6	160.0#
43	130.6	209.7	314.5#
57	715.9	873.3	1309.9#





#41

Tetrahydrofuran

Concen: 9.260 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

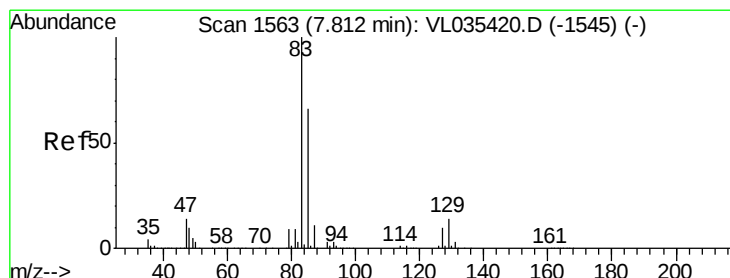
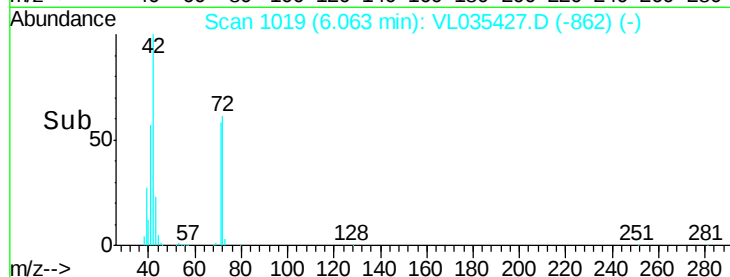
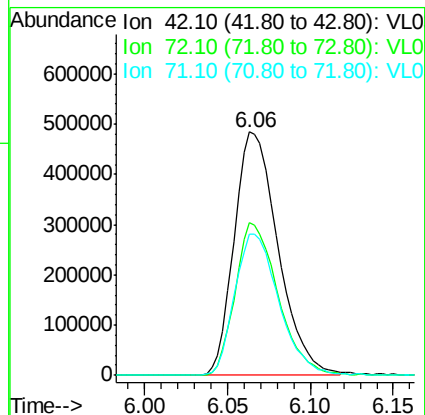
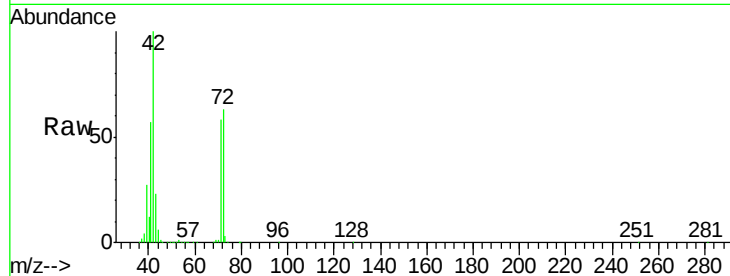
ClientSampleId :

ICVVL081720

Tot Ion	Ratio	Lower	Upper
42	100		
72	61.3	29.4	44.2#
71	58.9	28.9	43.3#

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#42

Bromodichloromethane

Concen: 9.498 ppbv

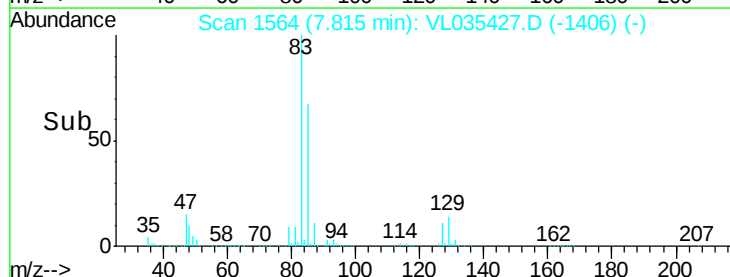
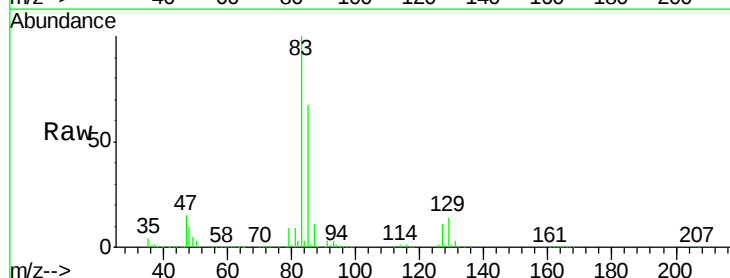
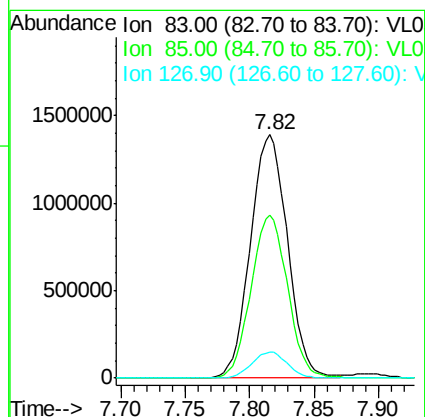
RT: 7.82 min Scan# 1564

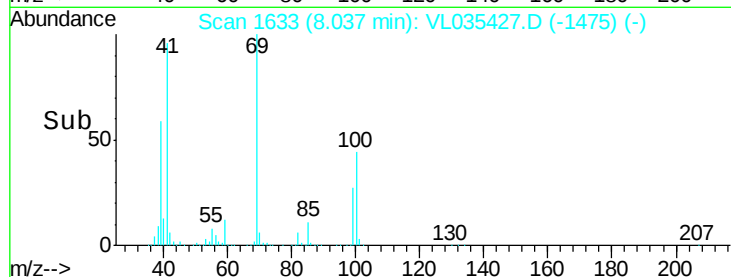
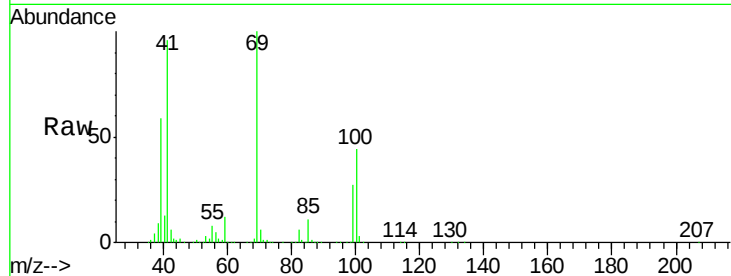
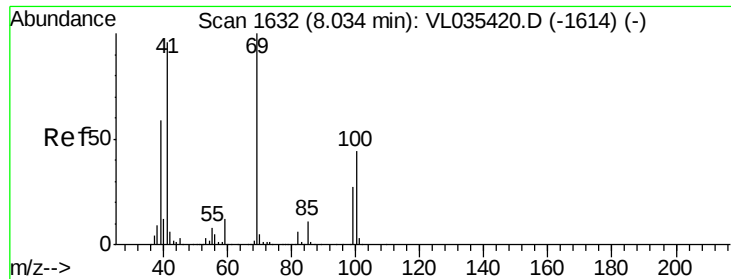
Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	54.8	82.2
127	10.7	6.1	9.1#





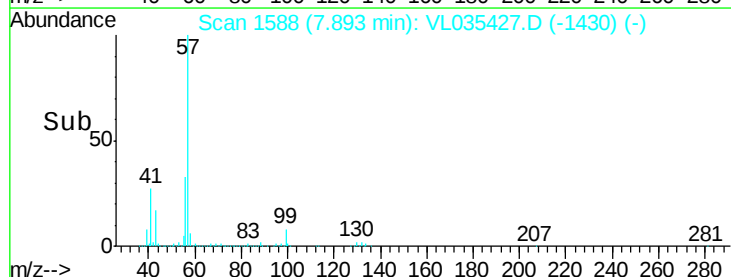
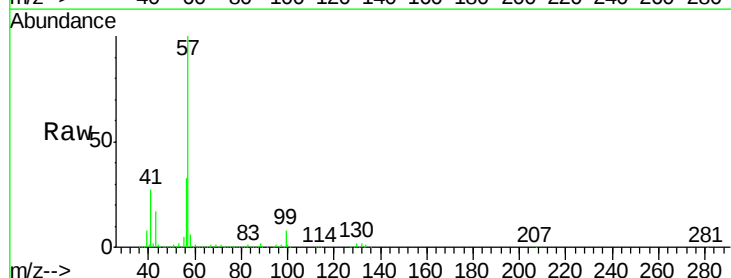
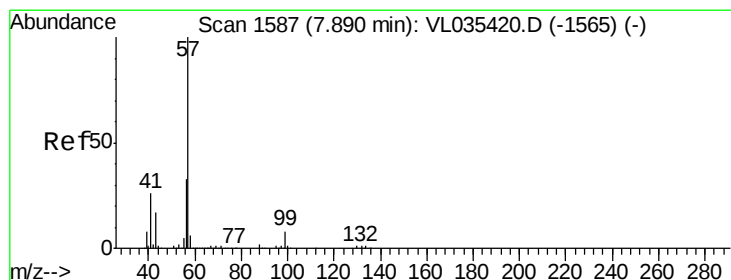
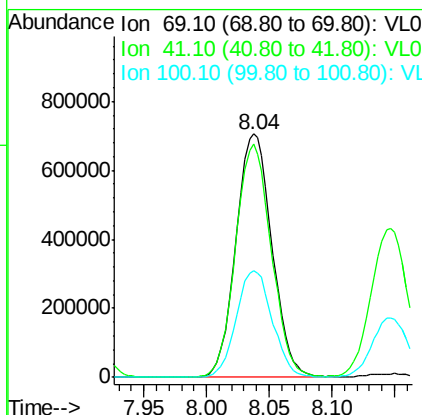
#43
Methvl Methacrylate
Concen: 9.380 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Tot Ion: 69 Resp: 1409461
Ion Ratio Lower Upper
69 100
41 95.1 123.4 185.0#
100 43.9 24.2 36.4#

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081720

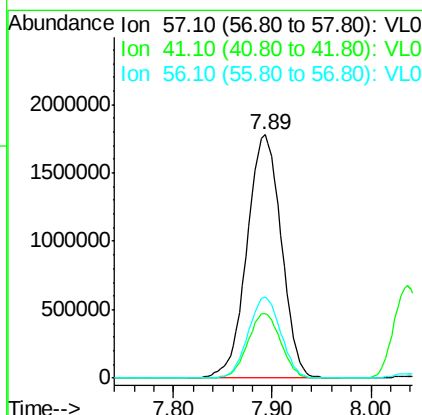
Manual Integrations
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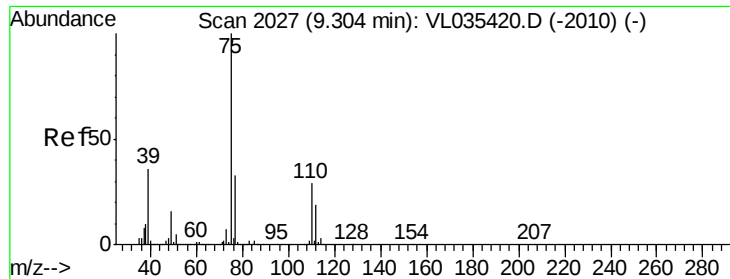
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 8.512 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Tgt Ion: 57 Resp: 4270910
Ion Ratio Lower Upper
57 100
41 25.5 27.2 40.8#
56 31.6 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 10.685 ppbv

RT: 9.30 min Scan# 2027

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081720

Tot Ion: 75 Resp: 1653878

Ion Ratio Lower Upper

75 100

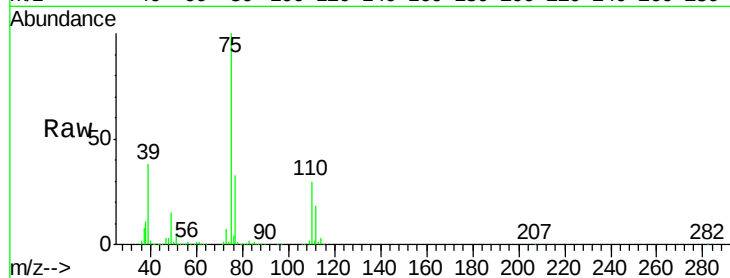
77 32.8 25.0 37.6

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

800000

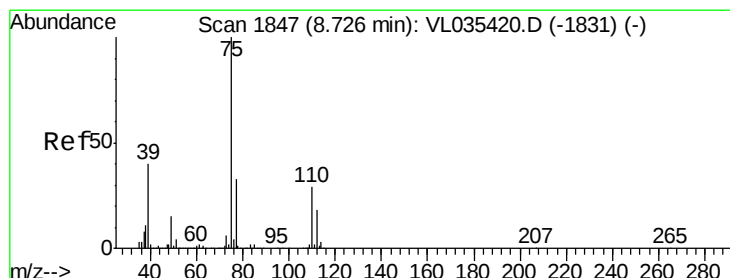
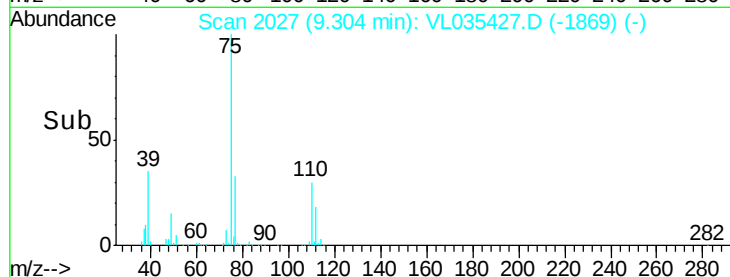
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.008 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

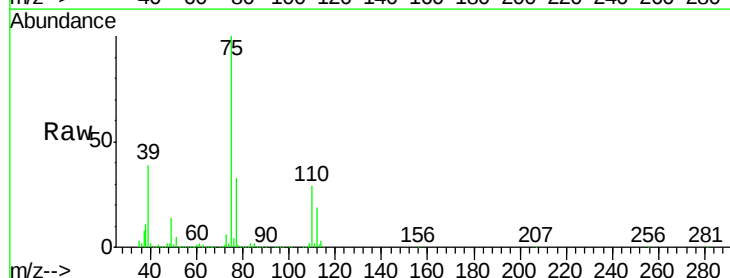
Tgt Ion: 75 Resp: 1929713

Ion Ratio Lower Upper

75 100

39 39.2 55.8 83.6#

77 33.1 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

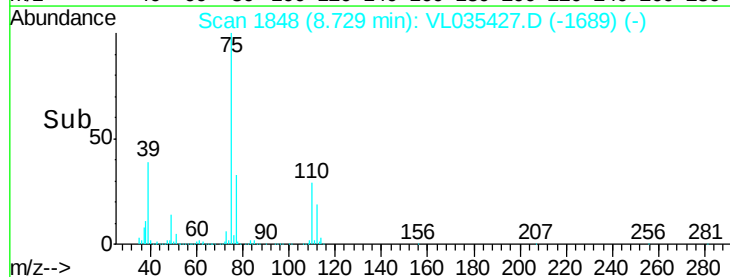
8.73

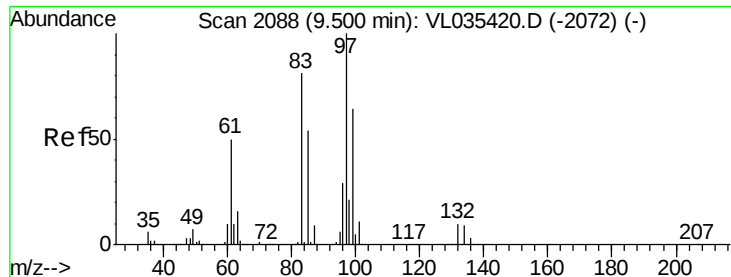
1000000

500000

0

Time-->





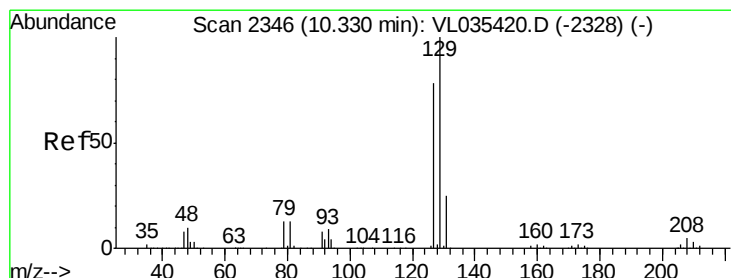
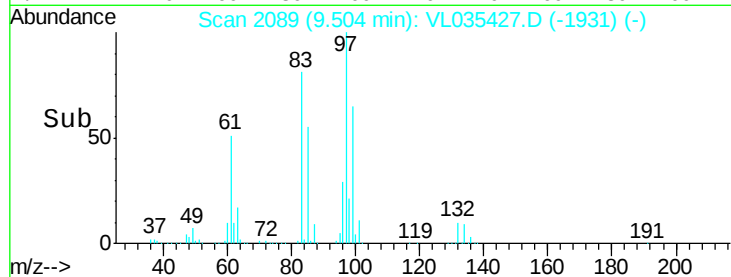
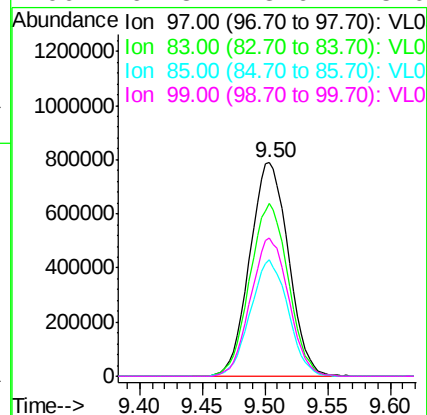
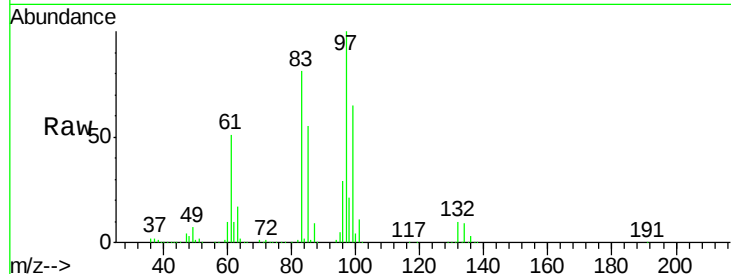
#47
 1,1,2-Trichloroethane
 Concen: 8.955 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: VL035427.D
 Acq: 17 Aug 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081720

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	81.2	72.1	108.1	
85	54.7	46.8	70.2	
99	64.8	48.6	73.0	

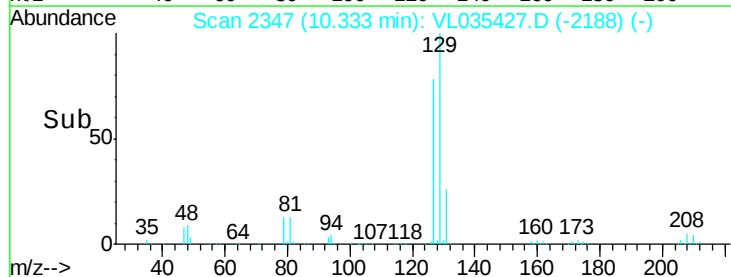
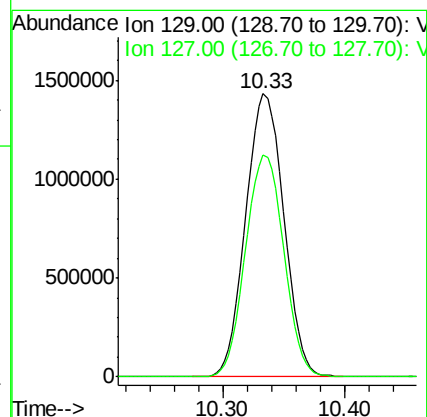
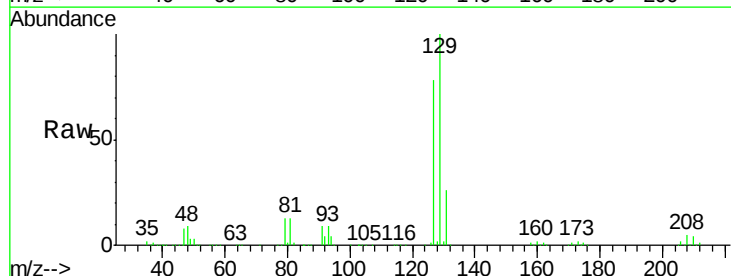
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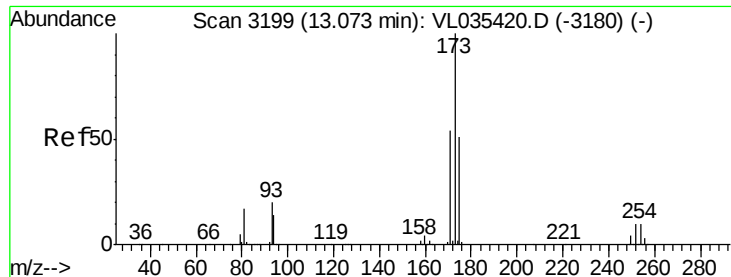
MMDadoda
 8/20/2020 11:05:53 AM



#48
 Dibromochloromethane
 Concen: 9.780 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.01 min
 Lab File: VL035427.D
 Acq: 17 Aug 2020 19:49

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.7	39.5	118.5	





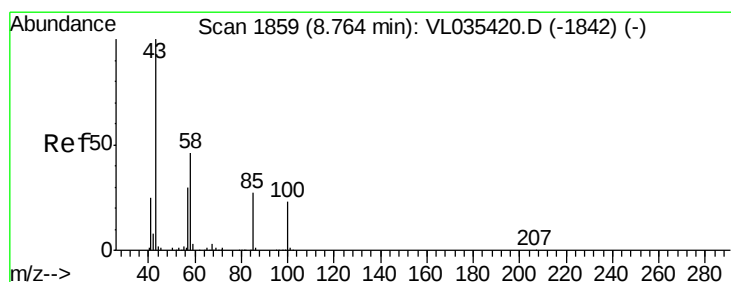
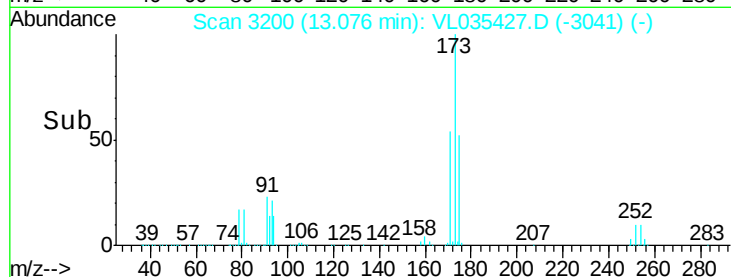
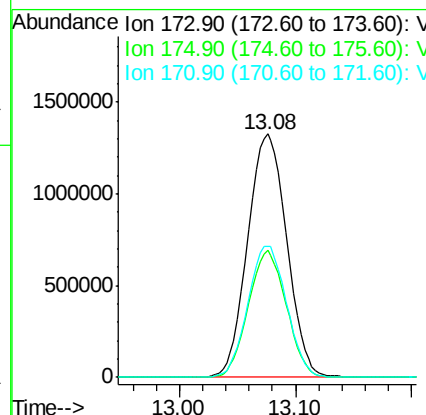
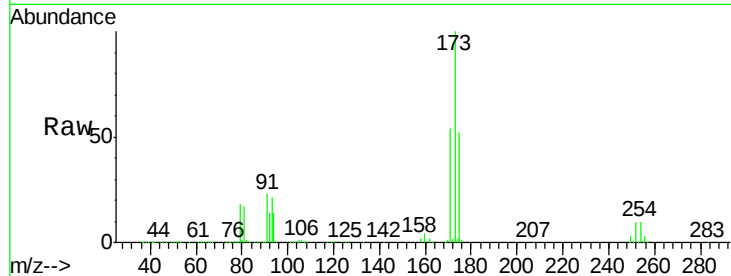
#49
Bromoform
Concen: 10.191 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081720

Tot Ion:173 Resp: 3115167
Ion Ratio Lower Upper
173 100
175 50.9 39.8 59.8
171 53.7 42.4 63.6

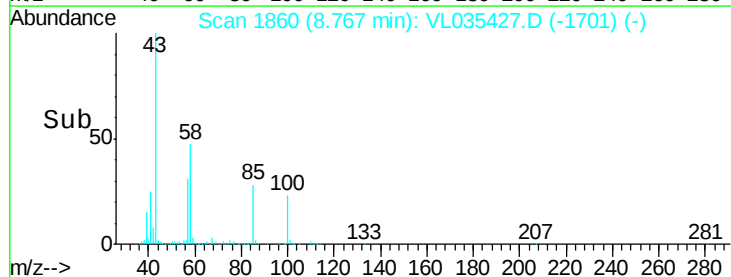
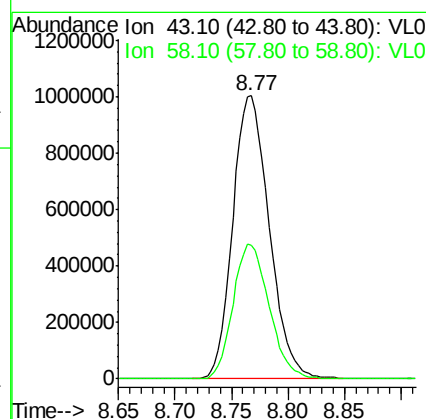
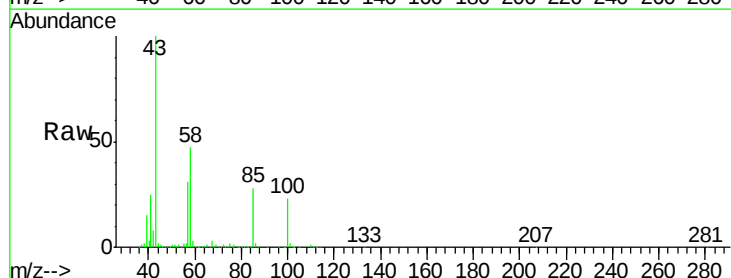
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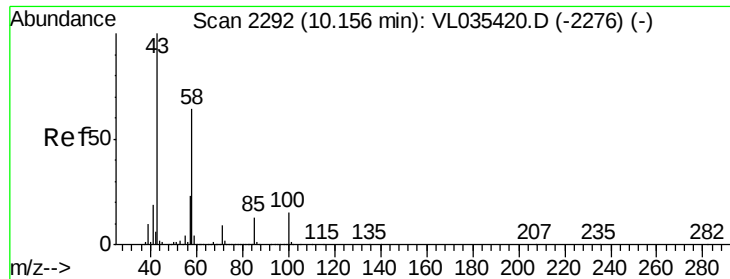
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 8.973 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Tgt Ion: 43 Resp: 2251357
Ion Ratio Lower Upper
43 100
58 47.3 28.7 43.1#





#51

2-Hexanone

Concen: 9.142 ppbv

RT: 10.16 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081720

Tot Ion: 43 Resp: 1933418

Ion Ratio Lower Upper

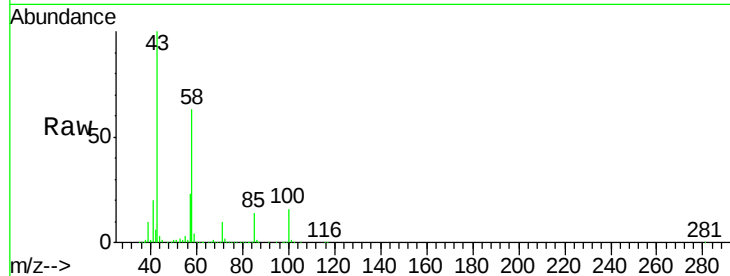
43 100

58 64.2 38.6 58.0#

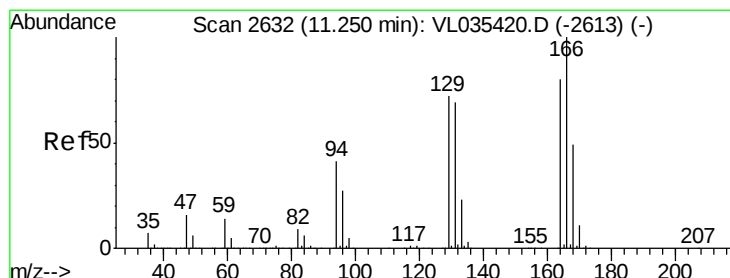
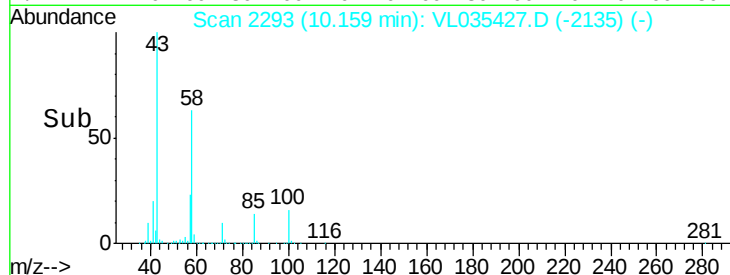
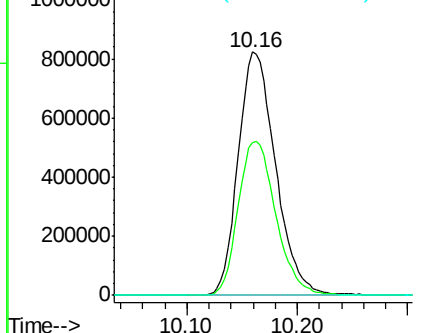
98 0.3 0.2 0.2#

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.778 ppbv

RT: 11.25 min Scan# 2633

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Tgt Ion: 164 Resp: 2057388

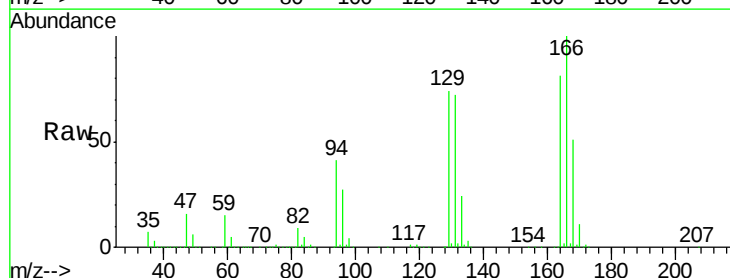
Ion Ratio Lower Upper

164 100

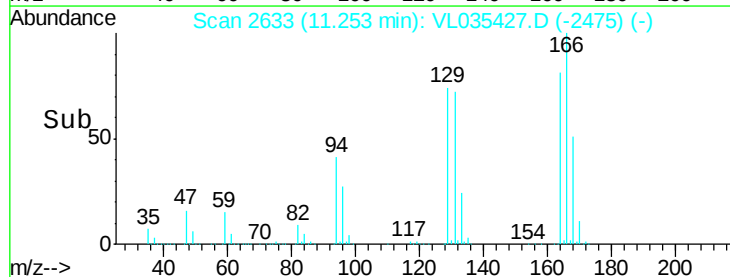
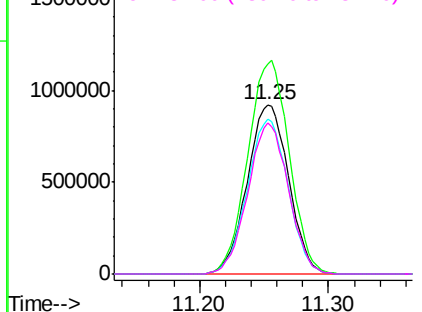
166 123.6 103.4 155.0

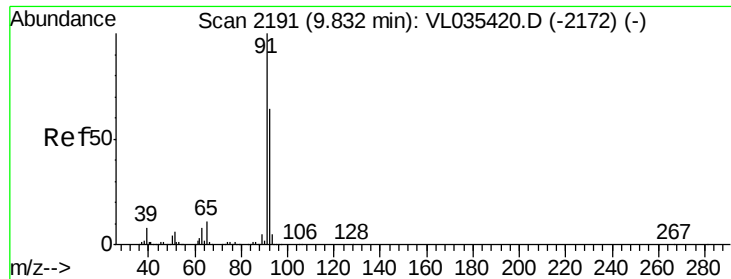
129 91.2 90.2 135.4

131 89.1 91.7 137.5#



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 8.843 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081720

Tot Ion: 91 Resp: 4376516

Ion Ratio Lower Upper

91 100

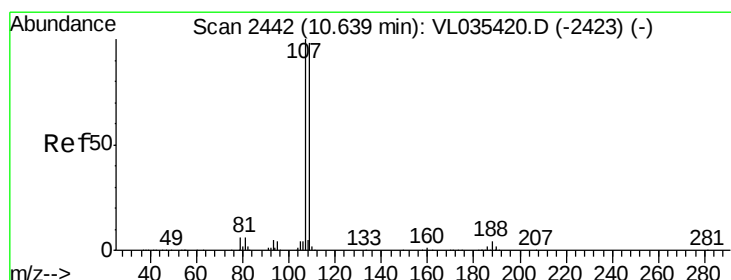
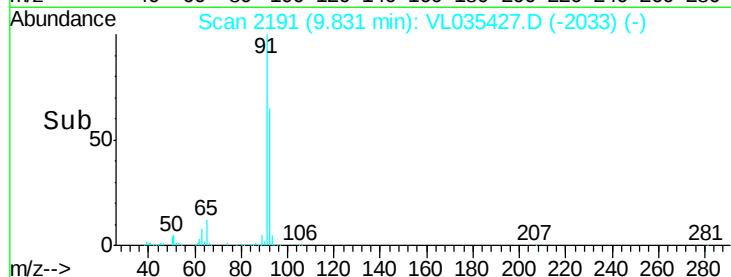
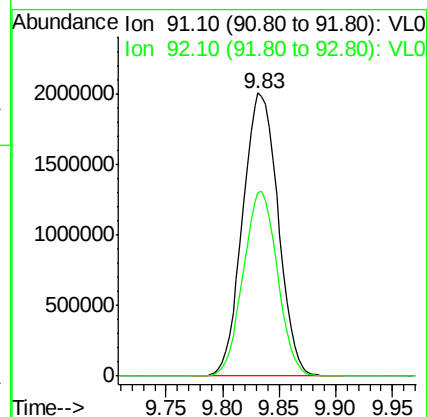
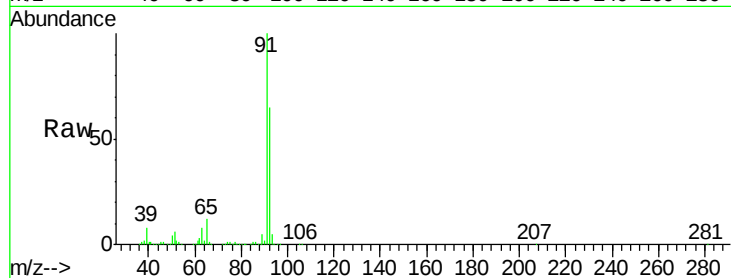
92 63.2 49.1 73.7

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#54

1,2-Dibromoethane

Concen: 8.945 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.01 min

Lab File: VL035427.D

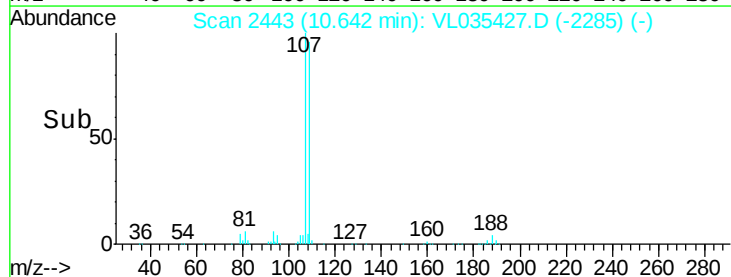
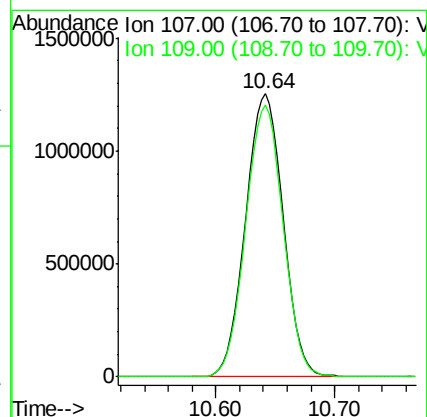
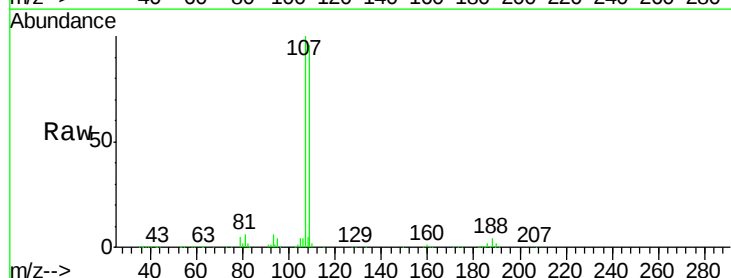
Acq: 17 Aug 2020 19:49

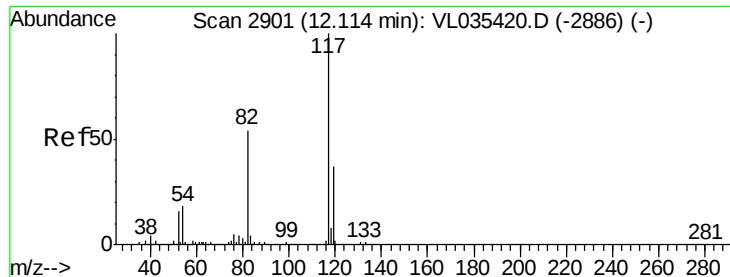
Tgt Ion: 107 Resp: 2748073

Ion Ratio Lower Upper

107 100

109 96.2 75.1 112.7





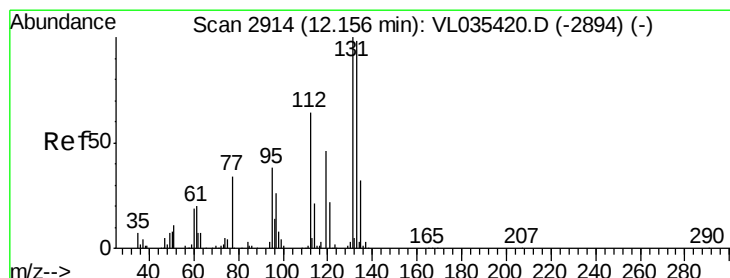
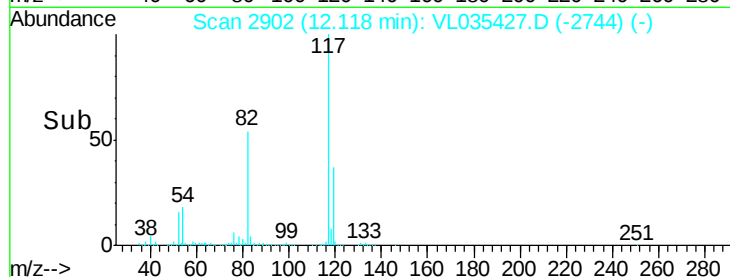
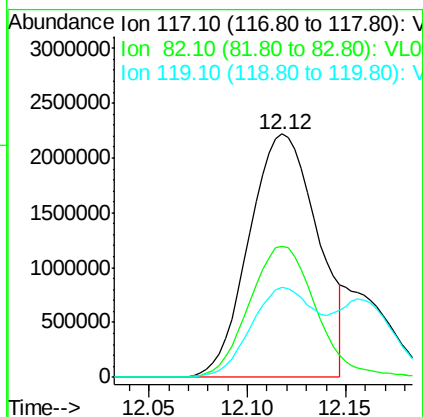
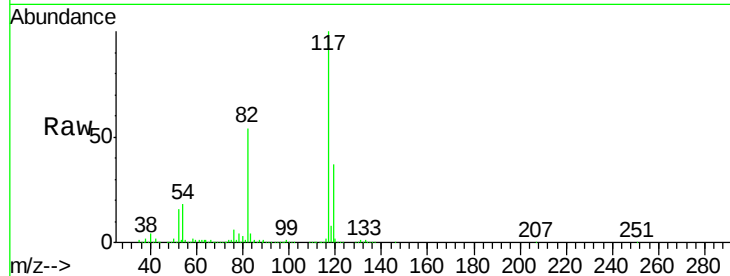
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081720

Tot Ion:117 Resp: 5343603
Ion Ratio Lower Upper
117 100
82 52.7 57.4 86.0#
119 37.3 28.4 42.6

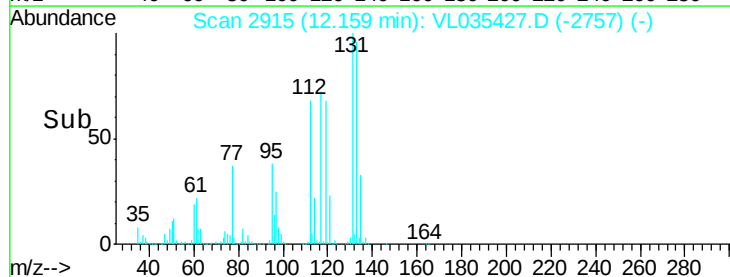
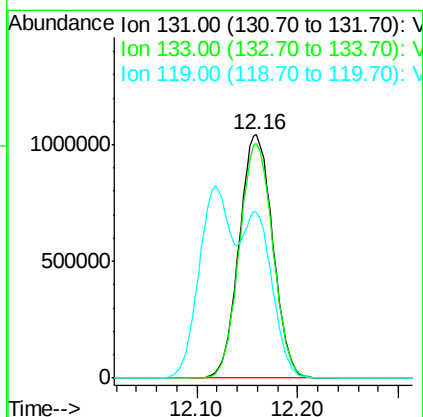
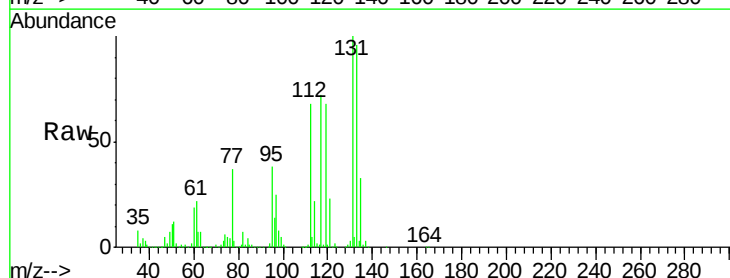
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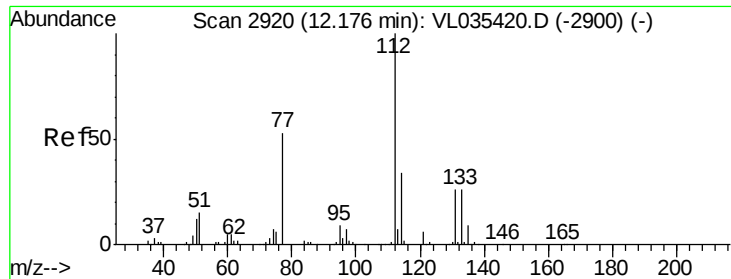
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.474 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Tgt Ion:131 Resp: 2401432
Ion Ratio Lower Upper
131 100
133 96.2 76.1 114.1
119 60.9 50.7 76.1





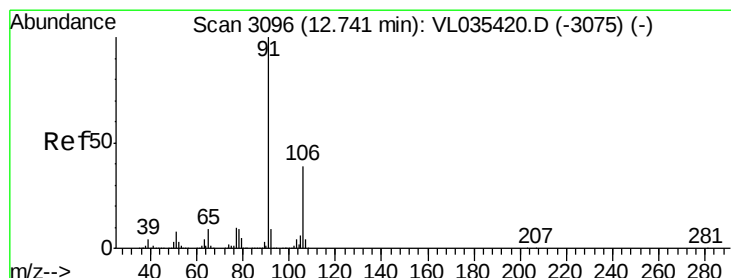
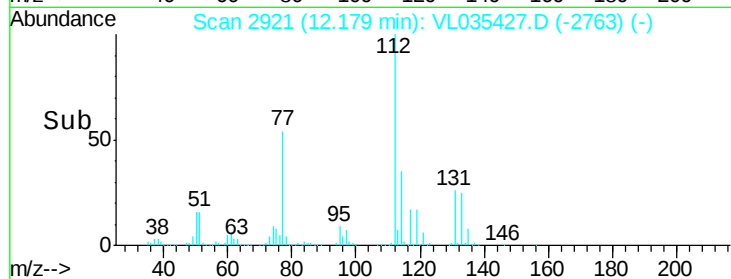
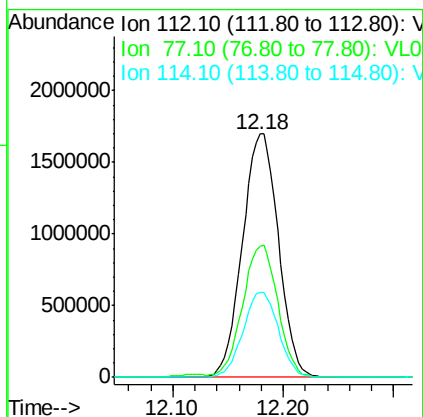
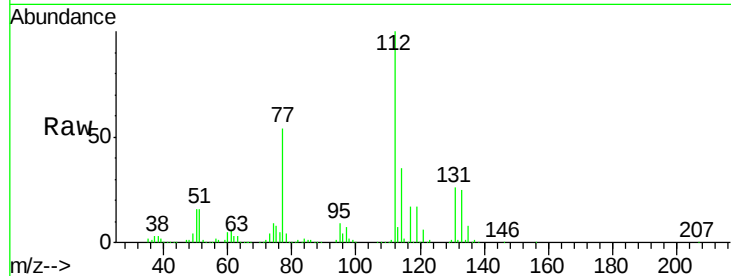
#57
Chlorobenzene
Concen: 8.610 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081720

Tot Ion	Ratio	Lower	Upper
112	100		
77	53.9	60.6	91.0#
114	35.0	28.5	34.9#

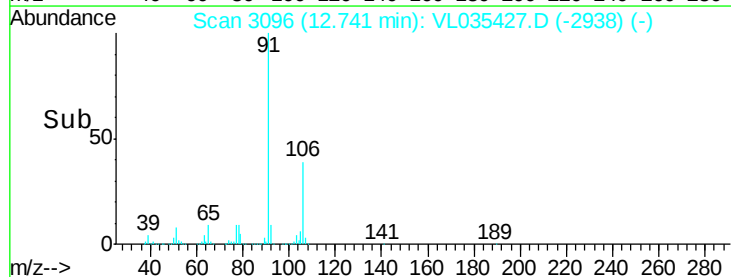
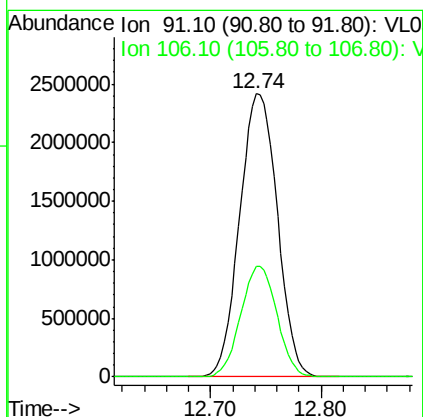
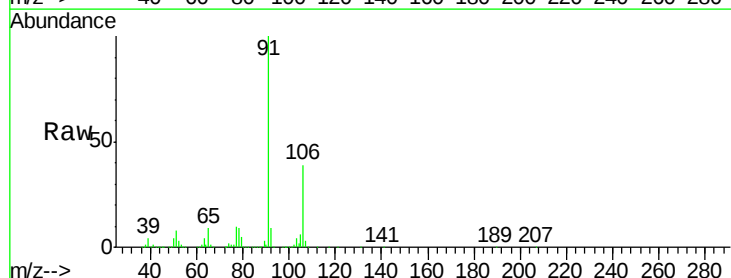
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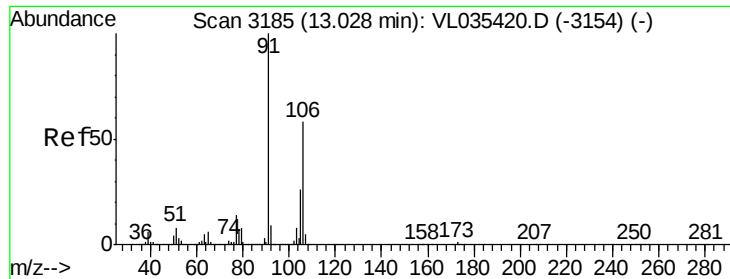
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#58
Ethyl Benzene
Concen: 8.867 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Tgt Ion	Ratio	Lower	Upper
91	100		
106	39.0	24.1	36.1#





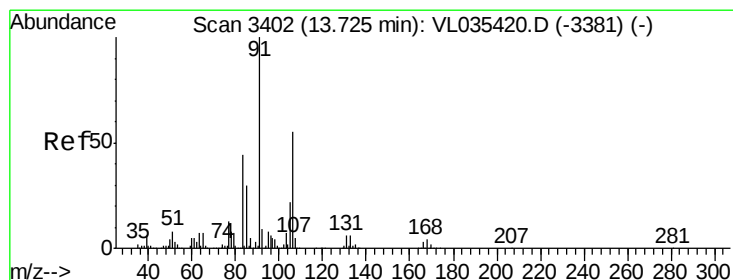
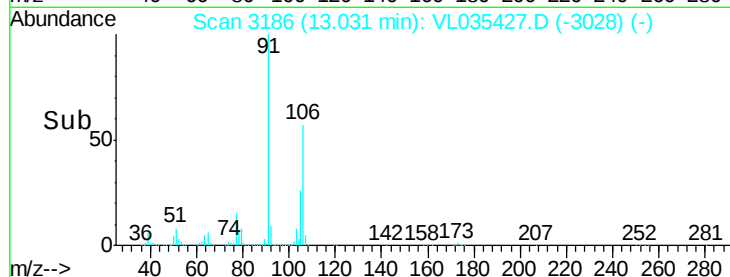
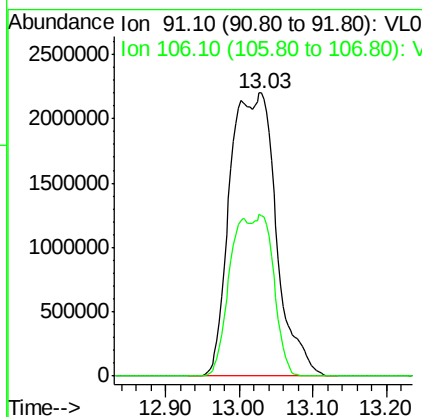
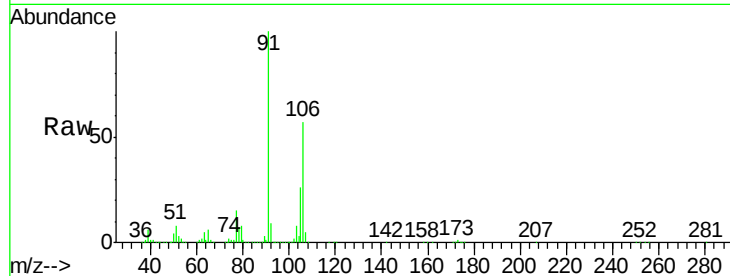
#59
m/p-Xylene
Concen: 17.568 ppbv m
RT: 13.03 min Scan# 3186
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081720

Tot Ion: 91 Resp: 9579627
Ion Ratio Lower Upper
91 100
106 52.7 34.0 51.0#

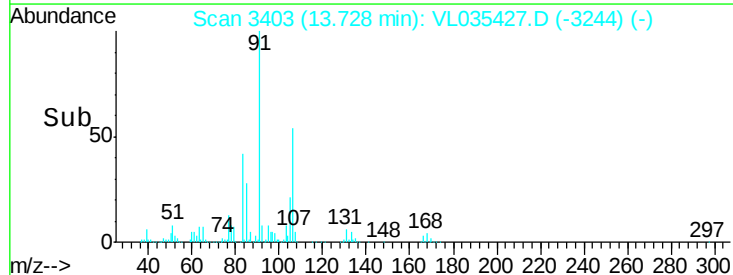
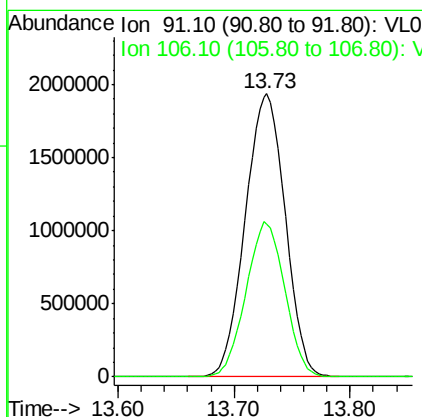
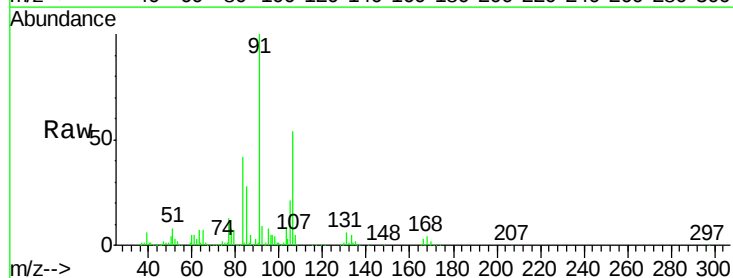
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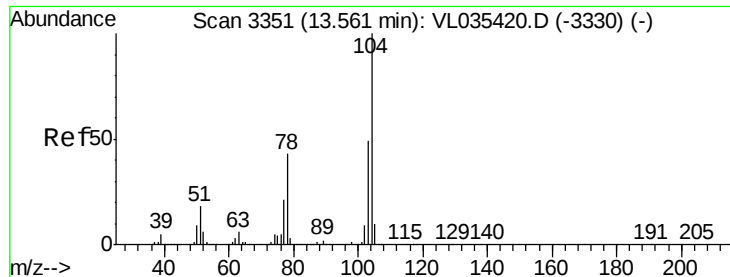
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#60
o-Xylene
Concen: 8.752 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Tgt Ion: 91 Resp: 4638072
Ion Ratio Lower Upper
91 100
106 53.1 21.8 65.3





#61

Stvrene

Concen: 9.379 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081720

Tot Ion:104 Resp: 4016478

Ion Ratio Lower Upper

104 100

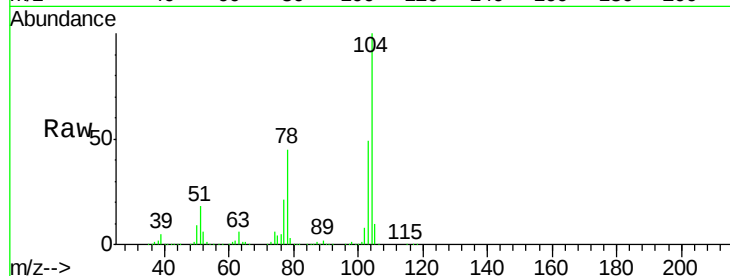
78 42.8 45.4 68.2#

103 47.6 37.8 56.8

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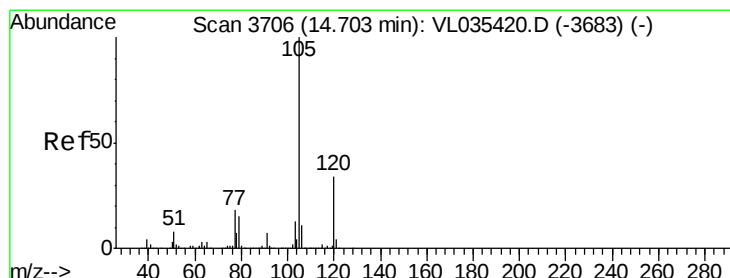
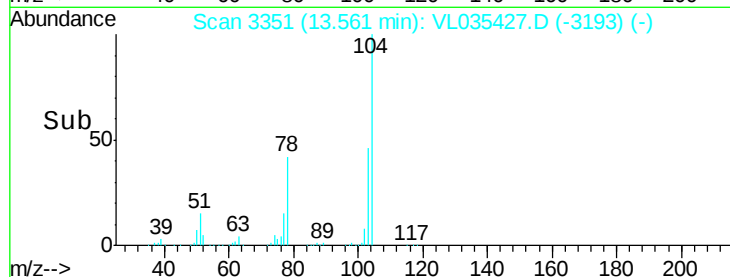
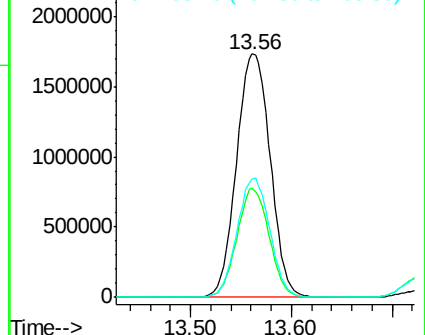
8/20/2020 11:05:53 AM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.405 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.01 min

Lab File: VL035427.D

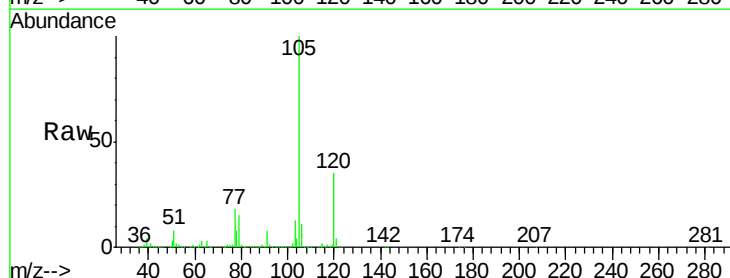
Acq: 17 Aug 2020 19:49

Tgt Ion:105 Resp: 7300647

Ion Ratio Lower Upper

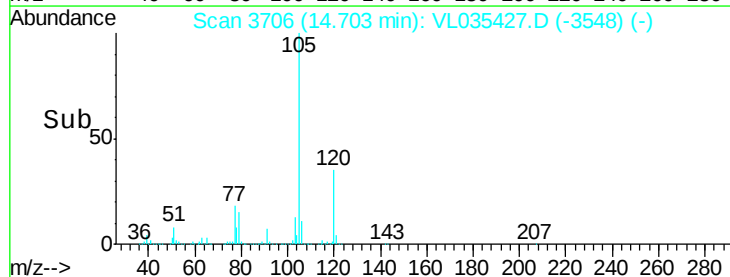
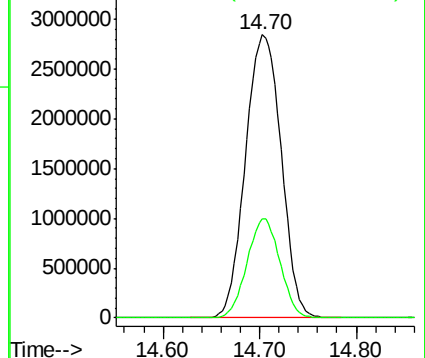
105 100

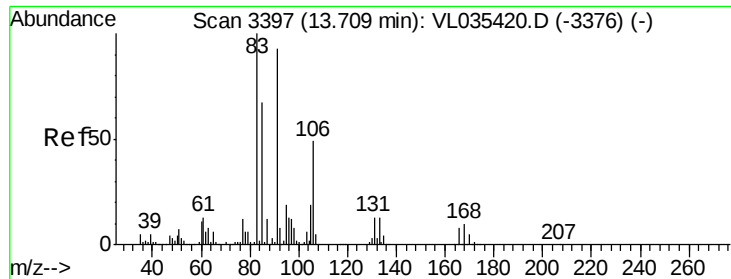
120 32.4 20.3 30.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





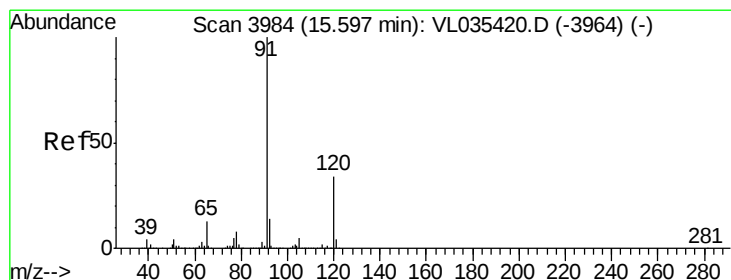
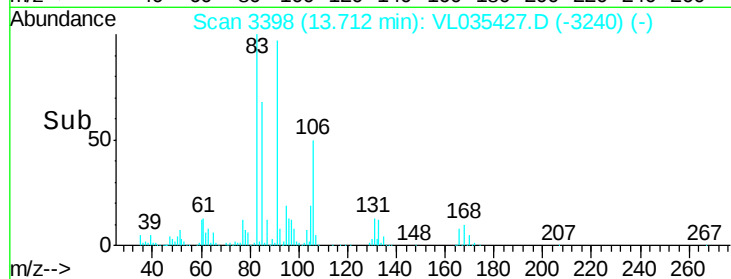
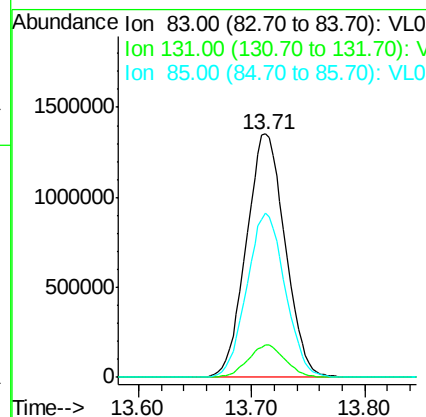
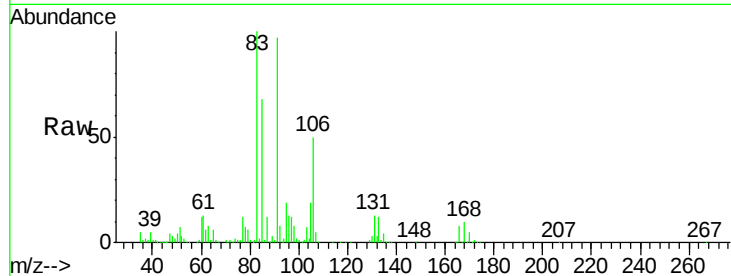
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.476 ppbv
 RT: 13.71 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: VL035427.D
 Acq: 17 Aug 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081720

Tot Ion	Ratio	Lower	Upper
83	100		
131	12.8	4.5	13.4
85	66.7	32.7	98.1

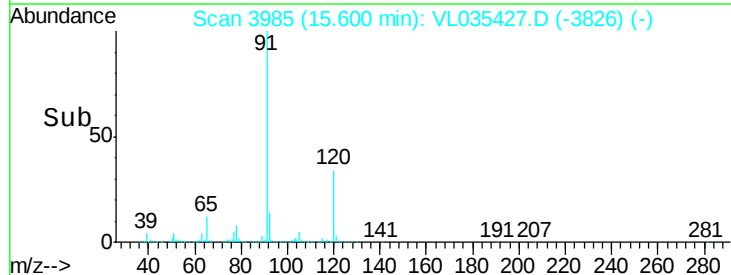
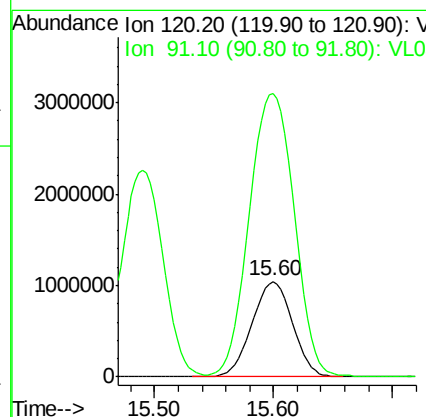
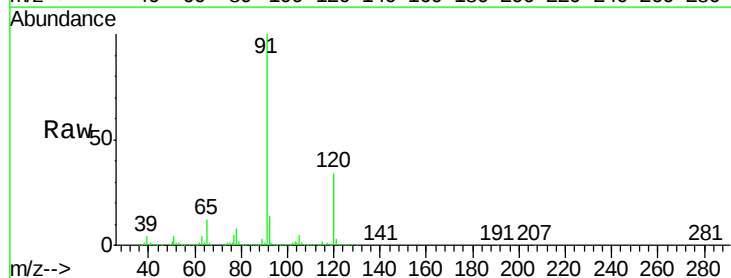
Manual Integrations
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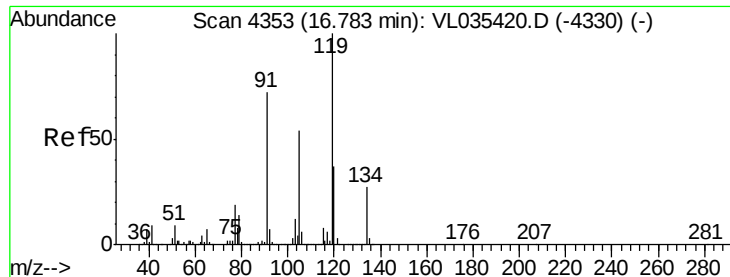
MMDadoda
 8/20/2020 11:05:53 AM



#64
 n-propylbenzene
 Concen: 9.175 ppbv
 RT: 15.60 min Scan# 3985
 Delta R.T. 0.01 min
 Lab File: VL035427.D
 Acq: 17 Aug 2020 19:49

Tgt Ion	Ratio	Lower	Upper
120	100		
91	331.2	385.5	578.3#





#65

tert-Butylbenzene

Concen: 8.443 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081720

Tot Ion:119 Resp: 7126245

Ion Ratio Lower Upper

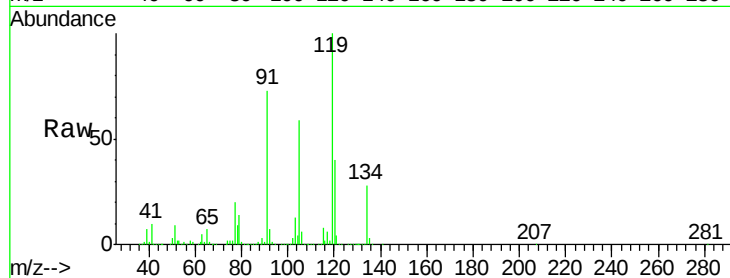
119 100

91 71.2 72.0 108.0#

134 24.4 15.7 23.5#

Manual Integrations
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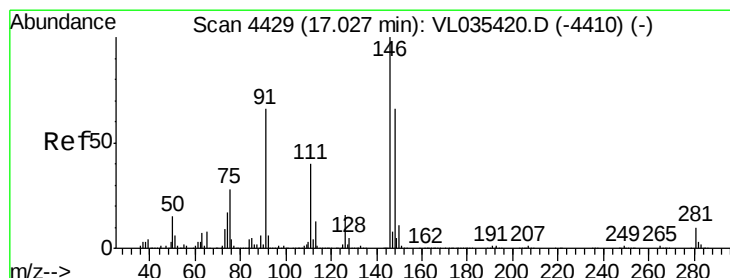
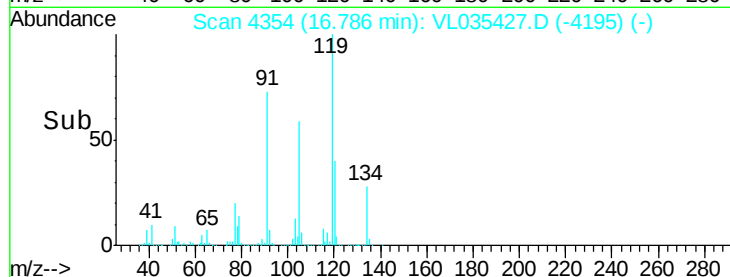
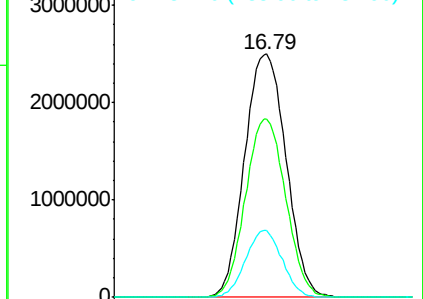
MMDadoda
8/20/2020 11:05:53 AM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.122 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

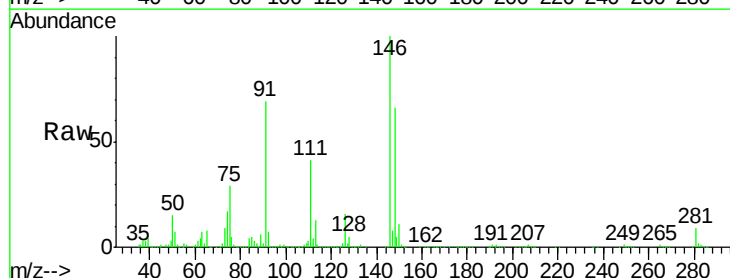
Tgt Ion: 91 Resp: 2461242

Ion Ratio Lower Upper

91 100

126 22.6 13.3 19.9#

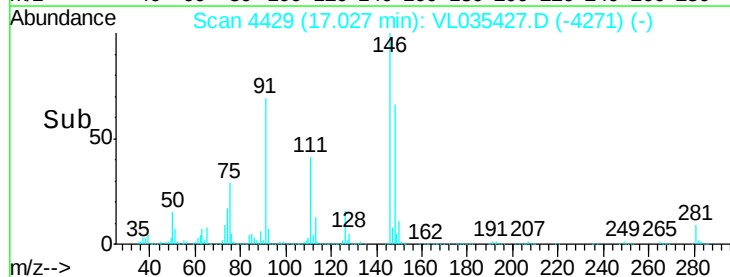
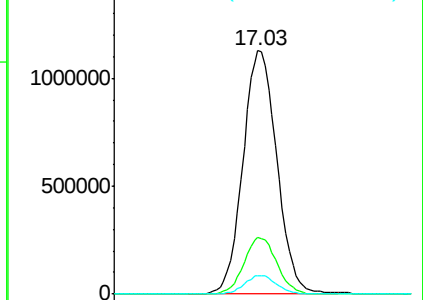
128 7.3 4.1 6.1#

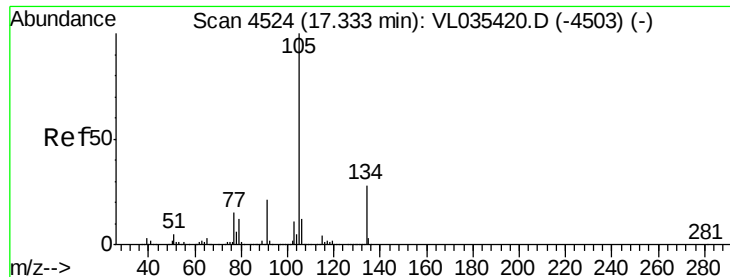


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.117 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081720

Tot Ion:105 Resp: 9017101

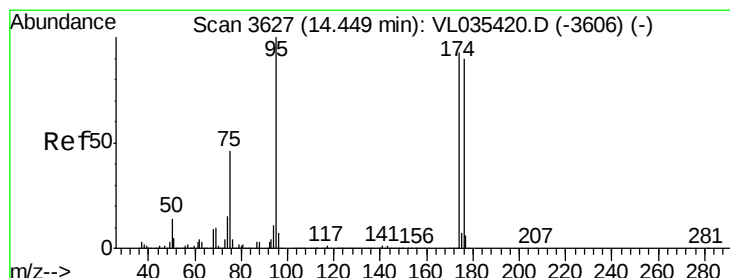
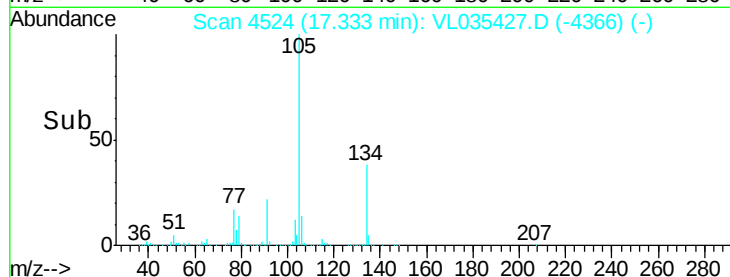
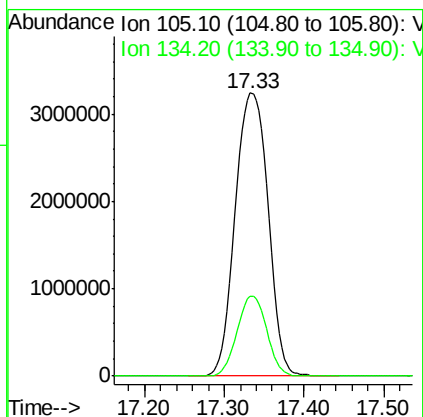
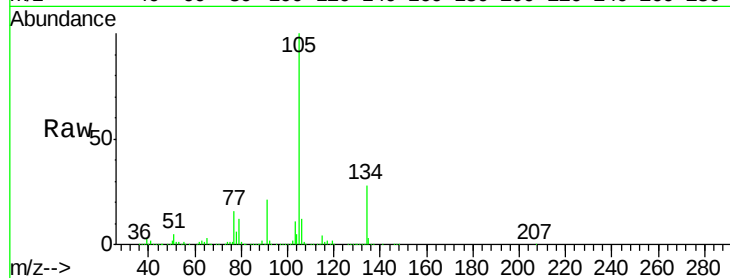
Ion Ratio Lower Upper

105 100

134 25.3 14.1 21.1#

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.065 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

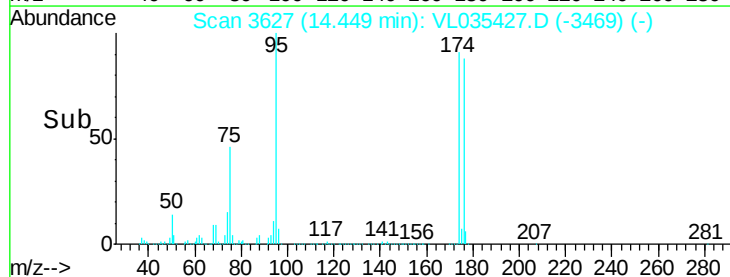
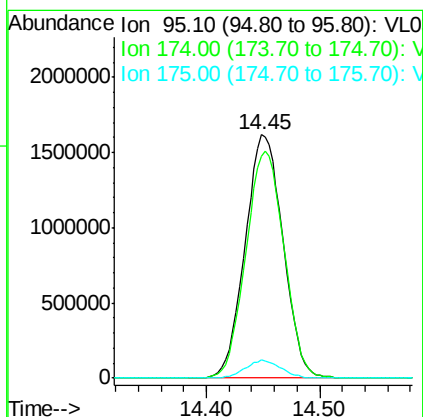
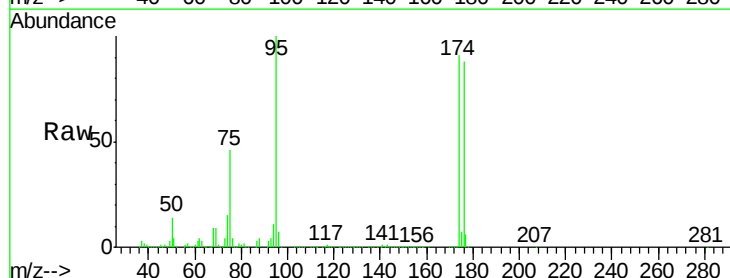
Tgt Ion: 95 Resp: 3765311

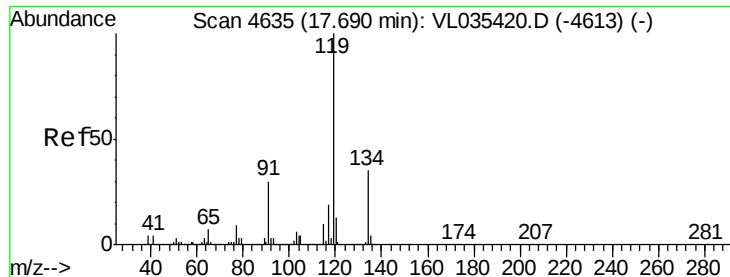
Ion Ratio Lower Upper

95 100

174 94.5 44.0 66.0#

175 7.0 3.2 4.8#





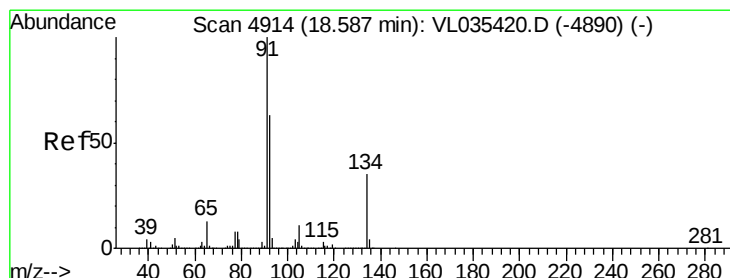
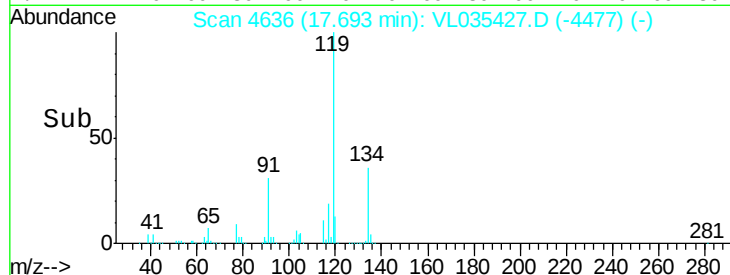
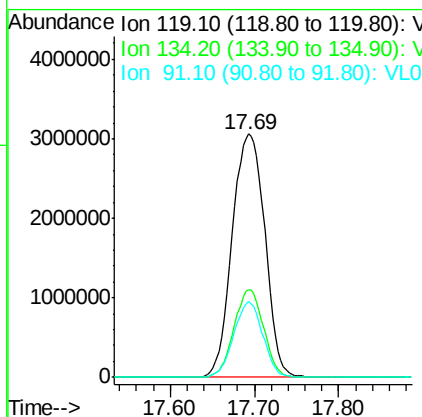
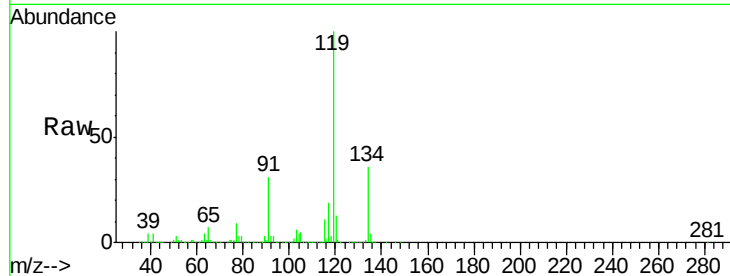
#69
p-Isopropyltoluene
Concen: 8.361 ppbv
RT: 17.69 min Scan# 4636
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081720

Tot Ion	Ratio	Lower	Upper
119	100		
134	32.7	20.6	30.8#
91	27.7	26.6	39.8

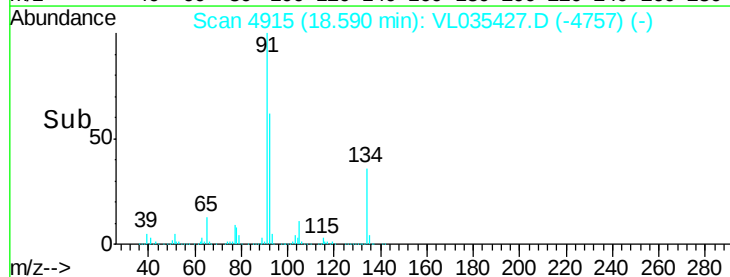
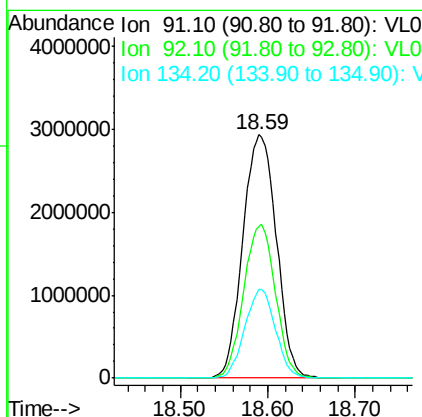
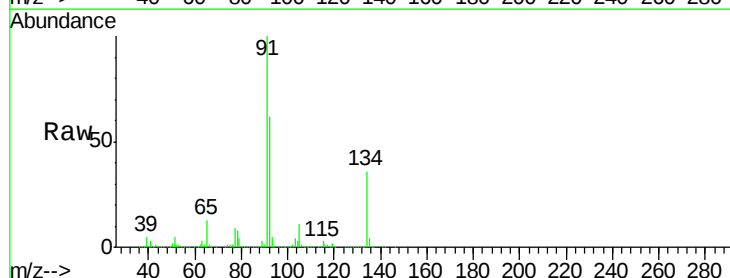
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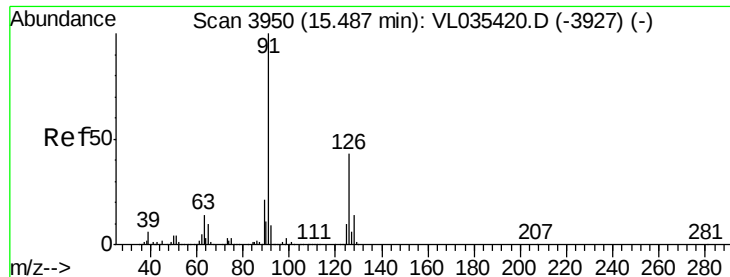
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#70
n-Butylbenzene
Concen: 8.372 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. 0.01 min
Lab File: VL035427.D
Acq: 17 Aug 2020 19:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.7	44.8	67.2
134	33.4	17.3	25.9#





#71

2-Chlorotoluene

Concen: 8.859 ppbv

RT: 15.49 min Scan# 3951

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081720

Tot Ion: 91 Resp: 5583190

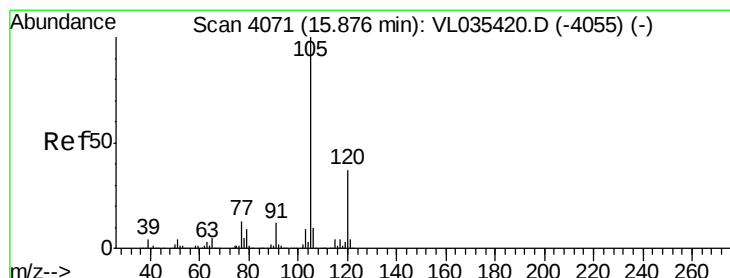
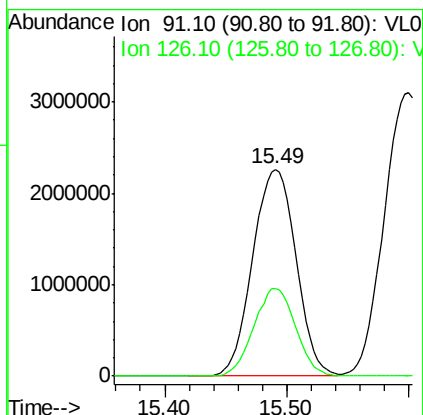
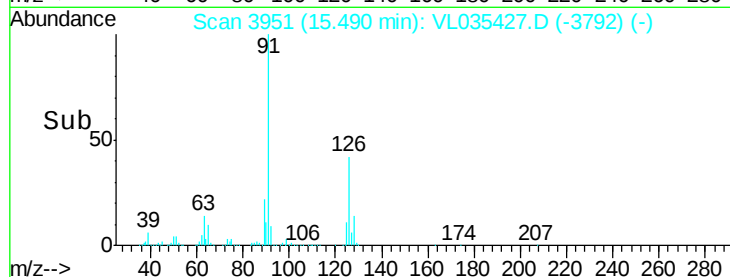
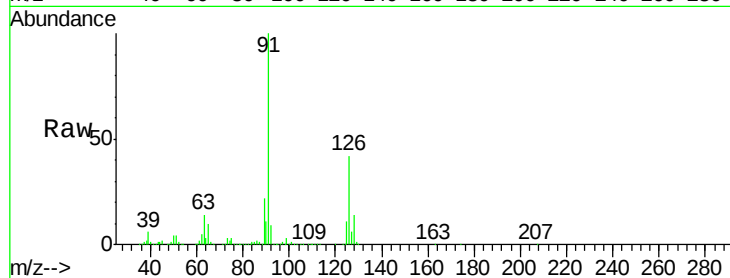
Ion Ratio Lower Upper

91 100

126 40.8 11.4 45.6

Manual Integrations
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#72

4-Ethyltoluene

Concen: 8.856 ppbv

RT: 15.88 min Scan# 4072

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Tgt Ion: 105 Resp: 6159153

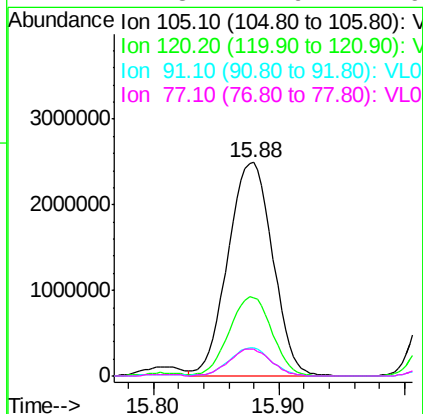
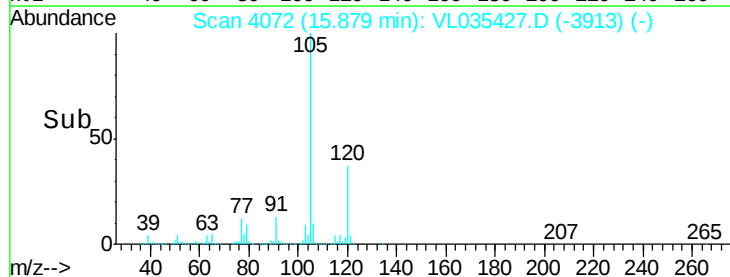
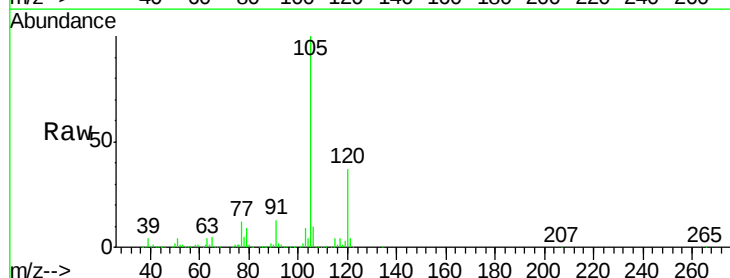
Ion Ratio Lower Upper

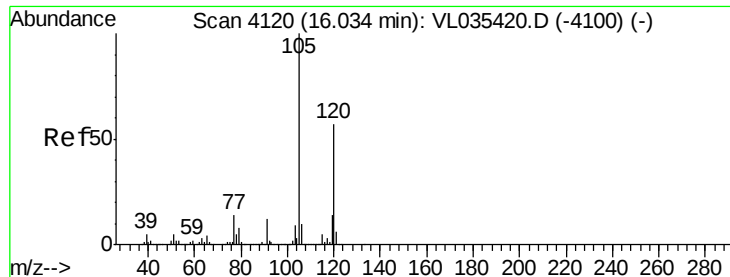
105 100

120 35.8 22.7 34.1#

91 12.2 10.8 16.2

77 11.8 11.9 17.9#





#73

1,3,5-Trimethylbenzene

Concen: 8.863 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081720

Tot Ion:105 Resp: 5735561

Ion Ratio Lower Upper

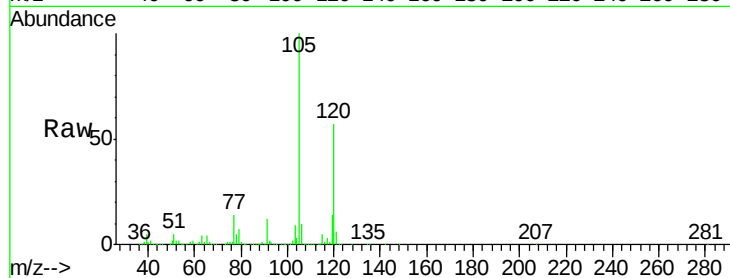
105 100

120 56.7 35.6 53.4#

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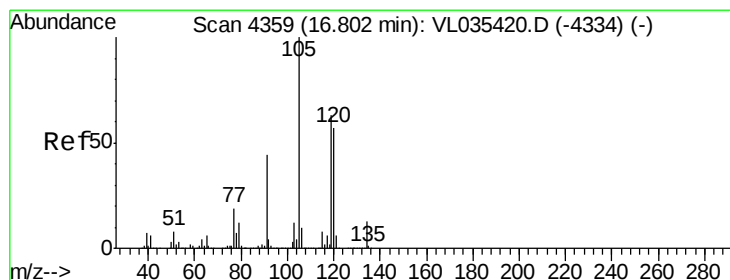
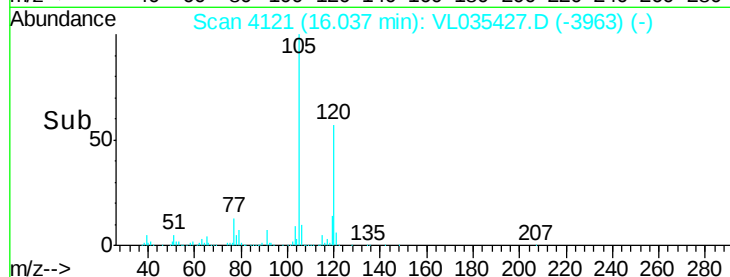
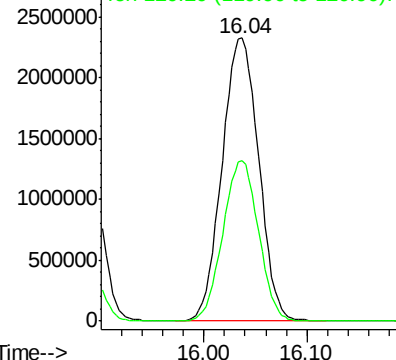
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.468 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Tgt Ion:105 Resp: 5954112

Ion Ratio Lower Upper

105 100

120 59.2 37.8 56.8#

91 50.4 40.0 60.0

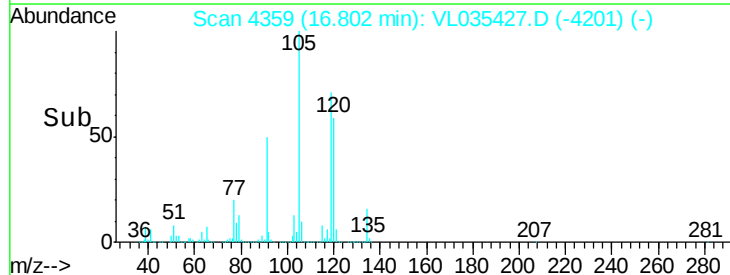
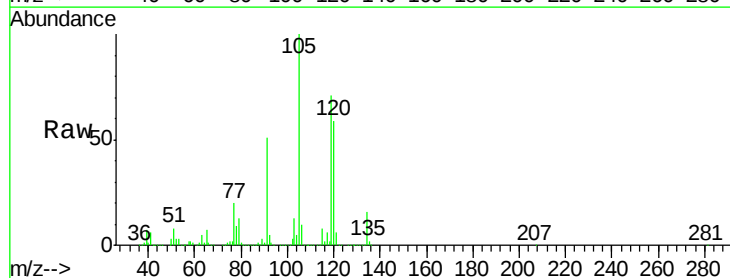
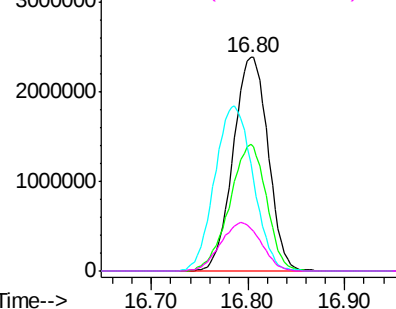
77 20.0 18.8 28.2

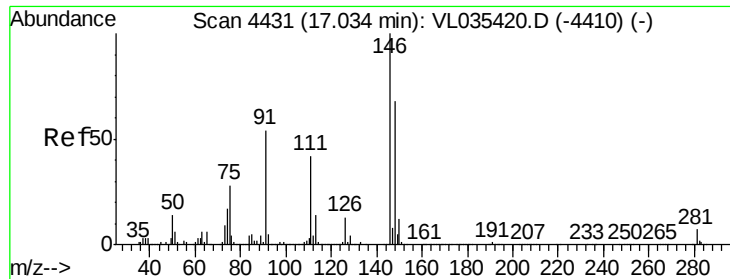
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 8.557 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081720

Tot Ion:146 Resp: 4647049

Ion Ratio Lower Upper

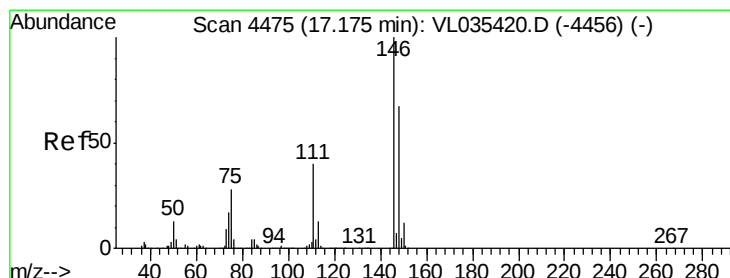
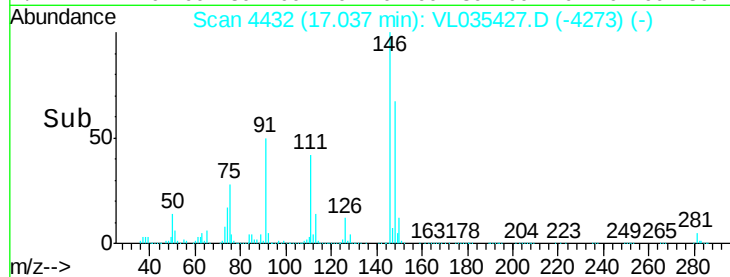
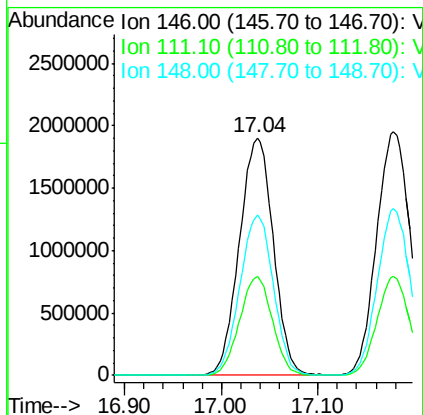
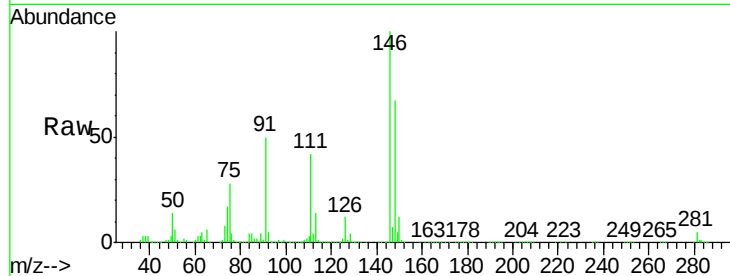
146 100

111 40.2 25.6 76.8

148 66.6 32.3 96.9

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 8.809 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

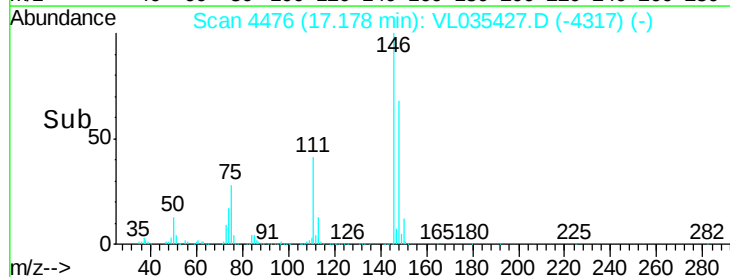
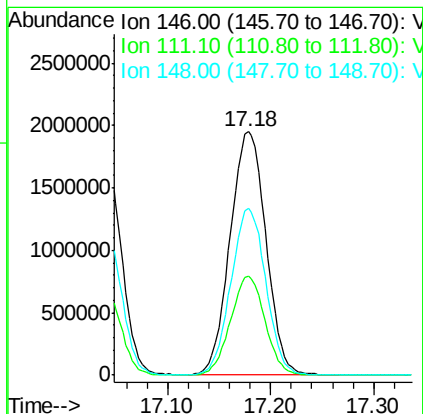
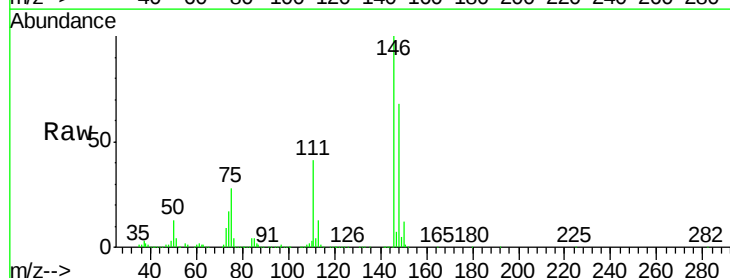
Tgt Ion:146 Resp: 4714924

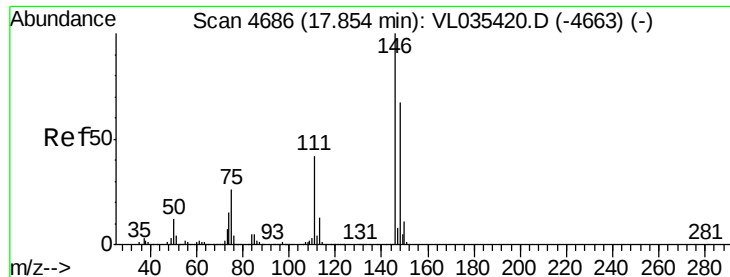
Ion Ratio Lower Upper

146 100

111 39.1 24.8 74.4

148 66.9 32.1 96.3





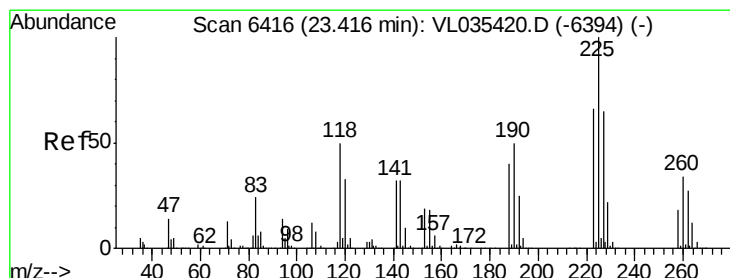
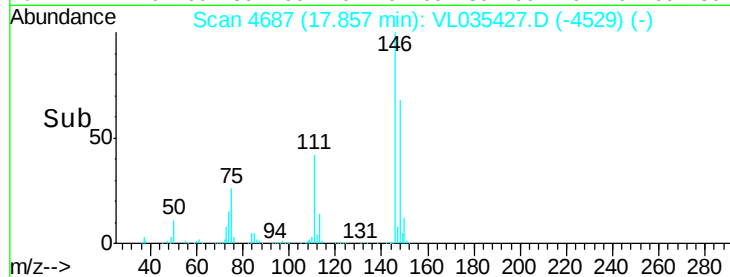
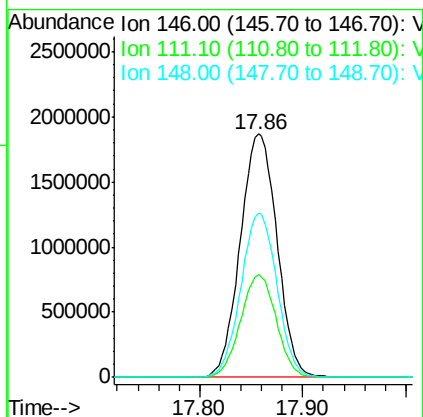
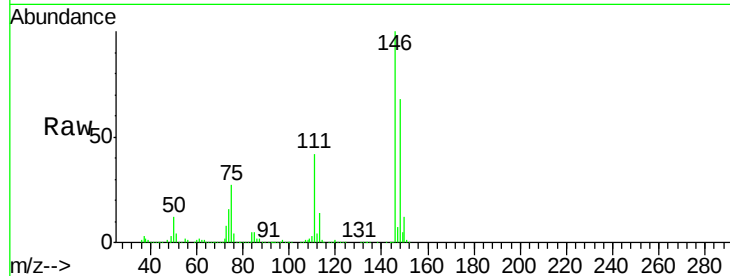
#77
 1,2-Dichlorobenzene
 Concen: 8.695 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. 0.01 min
 Lab File: VL035427.D
 Acq: 17 Aug 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081720

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	26.3	78.9
148	66.3	32.0	96.0

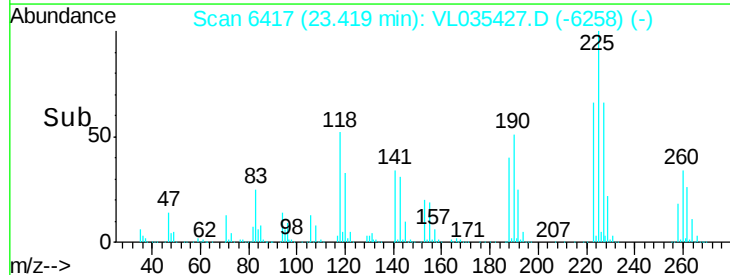
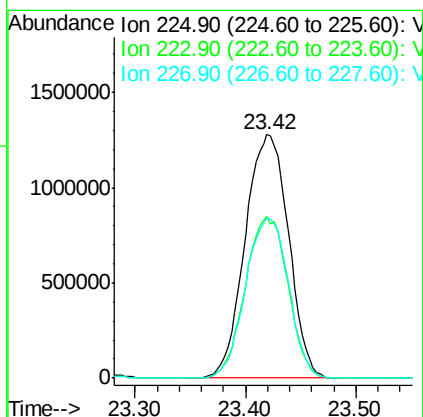
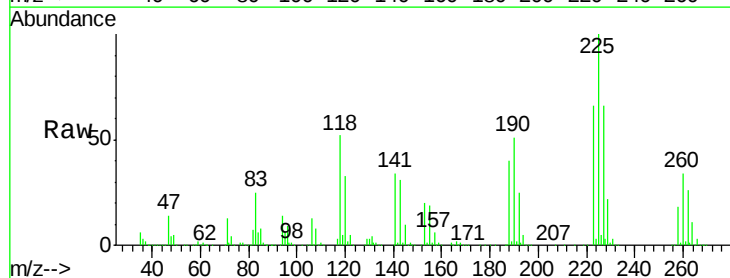
Manual Integrations
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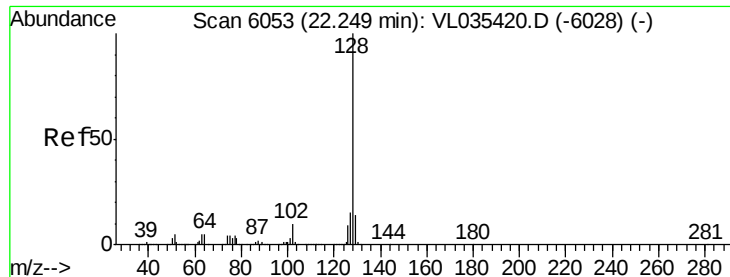
MMDadoda
 8/20/2020 11:05:53 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.284 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.01 min
 Lab File: VL035427.D
 Acq: 17 Aug 2020 19:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	50.3	75.5
227	65.3	51.0	76.6





#79

Naphthalene

Concen: 8.611 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081720

Tot Ion:128 Resp: 8527180

Ion Ratio Lower Upper

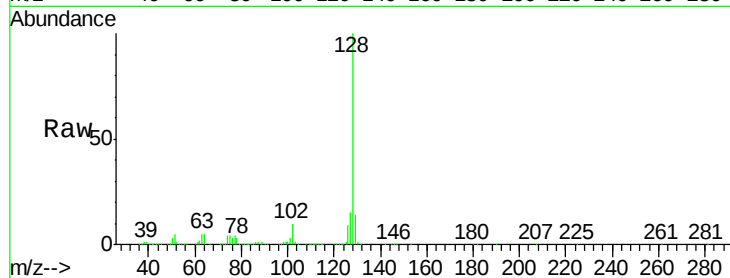
128 100

127 15.0 11.4 17.0

129 13.8 9.5 14.3

Manual Integrations
APPROVED

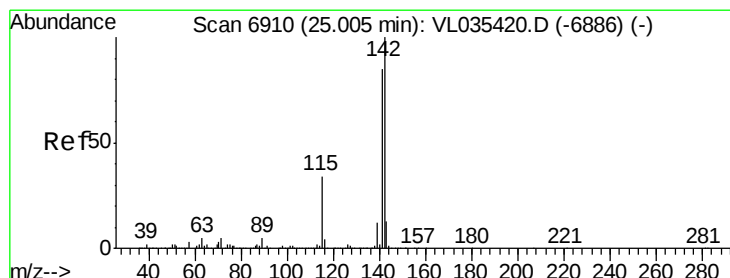
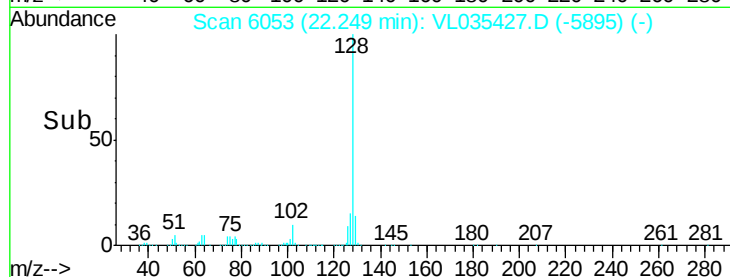
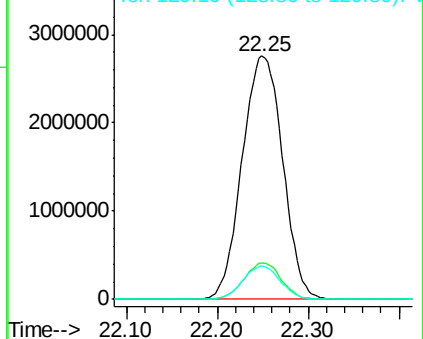
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8/20/2020 11:05:53 AM



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.373 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. 0.01 min

Lab File: VL035427.D

Acq: 17 Aug 2020 19:49

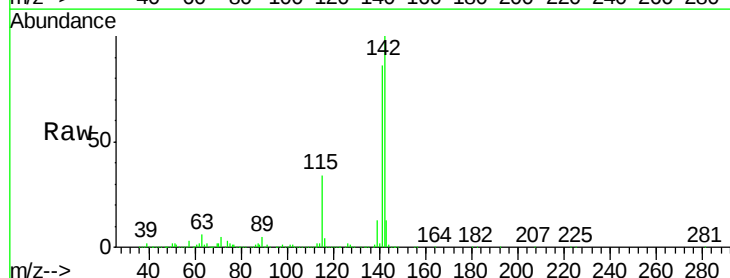
Tgt Ion:142 Resp: 4244511

Ion Ratio Lower Upper

142 100

141 84.5 67.1 100.7

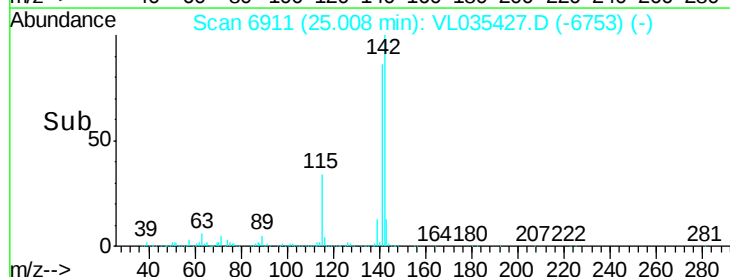
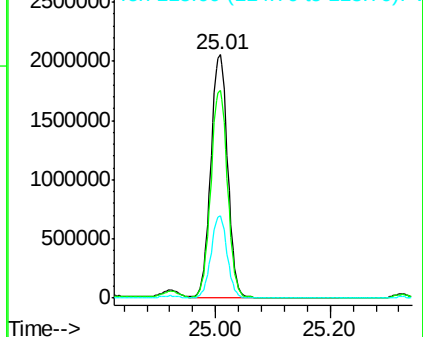
115 32.2 36.1 54.1#

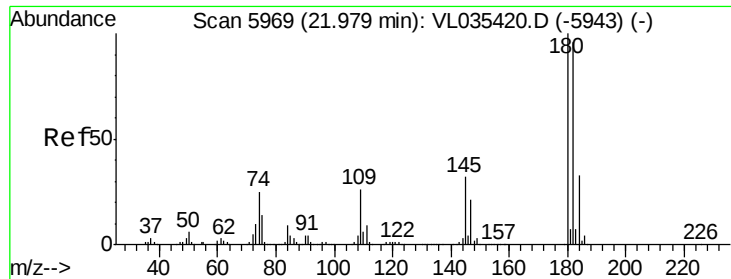


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.725 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. 0.01 min
 Lab File: VL035427.D
 Acq: 17 Aug 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081720

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.6	115.0
184	32.4	24.8	37.2

Manual Integrations
 APPROVED

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 8/20/2020 11:05:53 AM

