

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081320\
 Data File : VL035401.D
 Acq On : 13 Aug 2020 11:34
 Operator : SY/AP
 Sample : VL0813ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 9:10:55 PM

Quant Time: Aug 15 14:58:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 1
 QLast Update : Wed Aug 12 20:32:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1410480	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3332446	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3246215m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2724657	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1638860	9.648	ppbv	100
3) Chlorodifluoromethane	2.98	51	1570463	9.577	ppbv	97
4) Chloromethane	3.13	50	847786	9.251	ppbv	97
5) Vinyl Chloride	3.25	62	807187	8.912	ppbv	98
6) Bromomethane	3.47	94	488694	9.730	ppbv	93
7) Chloroethane	3.55	64	297540	9.313	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	1829364	9.278	ppbv	96
9) Propene	3.00	41	741448	8.728	ppbv	99
10) Heptane	8.13	43	1945076	8.840	ppbv	99
11) Trichlorofluoromethane	3.94	101	1947003	9.452	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1284237	9.161	ppbv	95
13) Ethanol	3.60	45	189632	6.807	ppbv	98
14) Bromoethene	3.73	108	586146	9.359	ppbv	99
15) Acetone	3.84	43	1452862	8.178	ppbv	99
16) 1,3-Butadiene	3.32	39	767976	8.419	ppbv	98
17) tert-Butyl alcohol	4.29	59	1778063	8.581	ppbv	100
18) 1,1-Dichloroethene	4.29	96	589631	9.181	ppbv	98
19) Isopropyl Alcohol	3.96	45	1218859	8.792	ppbv #	45
20) Methylene Chloride	4.34	84	536242	7.994	ppbv	95
21) Allyl Chloride	4.41	41	1018349	8.730	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	604930	9.376	ppbv	95
23) Vinyl Acetate	5.07	43	2467767	8.701	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1710187	9.157	ppbv	99
25) Ethyl Acetate	5.68	43	3134871	8.549	ppbv	99
26) Hexane	5.69	57	1375824	8.575	ppbv	99
27) Carbon Disulfide	4.55	76	1568414	9.156	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2321828	8.764	ppbv	99
29) Chloroform	5.75	83	2182670	9.532	ppbv	99
30) Cyclohexane	7.13	84	1199478	9.070	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1491870	9.377	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2183429	8.741	ppbv	100
34) 2-Butanone	5.24	43	2168912	9.133	ppbv	99
35) Carbon Tetrachloride	7.02	117	2155312	9.304	ppbv	95
36) Benzene	6.90	78	2901743	9.080	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1724138	9.720	ppbv	99
38) Trichloroethene	7.84	130	1015087	8.106	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1158380	9.155	ppbv	95
40) 1,4-Dioxane	7.84	88	464517	9.013	ppbv #	1
41) Tetrahydrofuran	6.05	42	1278088	9.021	ppbv	98
42) Bromodichloromethane	7.80	83	2386169	9.550	ppbv	99
43) Methyl Methacrylate	8.02	69	1316394	9.286	ppbv	99

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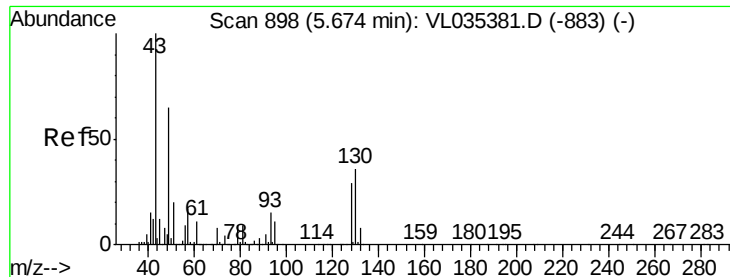
Manual Integrations
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 8/17/2020 9:10:55 PM

Quant Time: Aug 15 14:58:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 1
 QLast Update : Wed Aug 12 20:32:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4812378	8.754	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1565323	9.516	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1779678	9.264	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1195878	9.318	ppbv	95
48) Dibromochloromethane	10.32	129	1925909	9.389	ppbv	100
49) Bromoform	13.06	173	1590378	9.457	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	3191128	8.916	ppbv	100
51) 2-Hexanone	10.14	43	2739630	9.092	ppbv	99
52) Tetrachloroethene	11.24	164	920456	8.123	ppbv	93
53) Toluene	9.82	91	3377102	8.903	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1859446	9.148	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1414724	8.969	ppbv	96
57) Chlorobenzene	12.16	112	2432989	8.792	ppbv	98
58) Ethyl Benzene	12.73	91	4606518	8.978	ppbv	99
59) m/p-Xylene	13.01	91	7416460m	17.334	ppbv	
60) o-Xylene	13.71	91	3634692	8.773	ppbv	99
61) Styrene	13.55	104	2734882	8.941	ppbv	97
62) Isopropylbenzene	14.69	105	5417000	8.717	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	2606681	8.626	ppbv	100
64) n-propylbenzene	15.58	120	1451286	8.853	ppbv	94
65) tert-Butylbenzene	16.77	119	4586998	8.384	ppbv	96
66) Benzyl Chloride	17.01	91	2100926	8.503	ppbv	98
67) sec-Butylbenzene	17.32	105	6766346	8.579	ppbv	99
69) p-Isopropyltoluene	17.68	119	5586996	8.498	ppbv	98
70) n-Butylbenzene	18.57	91	6301190	8.657	ppbv	99
71) 2-Chlorotoluene	15.47	91	4461042	8.917	ppbv	98
72) 4-Ethyltoluene	15.86	105	4511603	8.922	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	4202569	8.863	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	4226468	8.475	ppbv	96
75) 1,3-Dichlorobenzene	17.02	146	2320137	8.525	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	2423350	8.669	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	2374076	8.653	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1806423	7.984	ppbv	100
79) Naphthalene	22.23	128	5086065	8.189	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2282076	7.890	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	2382554	8.104	ppbv	99

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



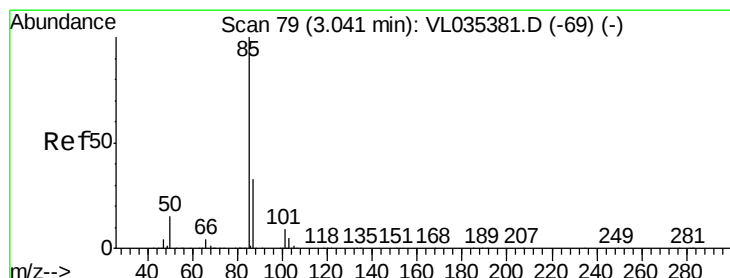
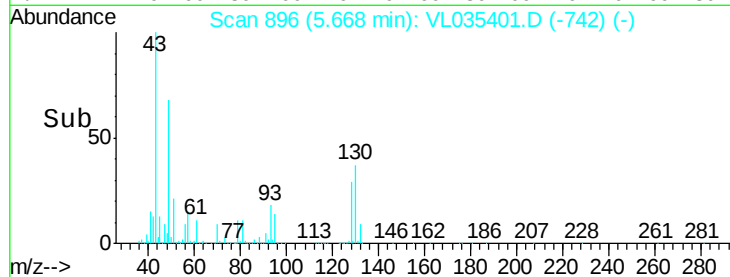
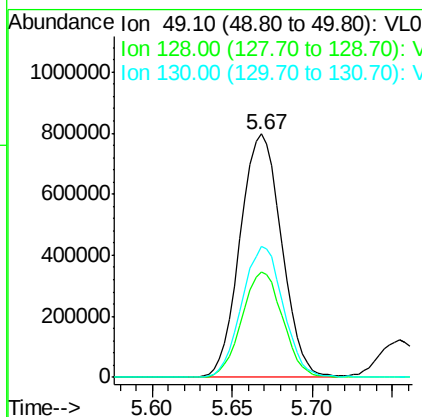
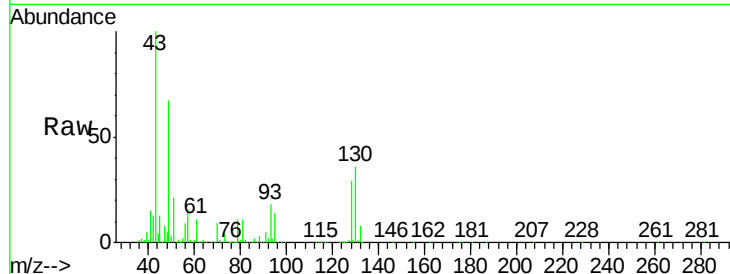
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion: 49 Resp: 1410480
 Ion Ratio Lower Upper
 49 100
 128 42.8 21.8 65.3
 130 54.2 27.9 83.6

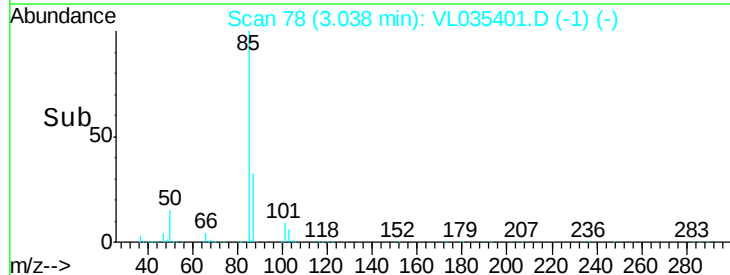
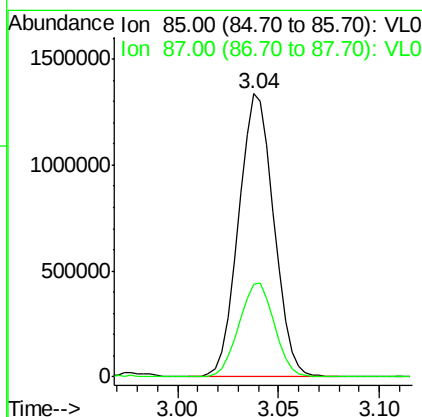
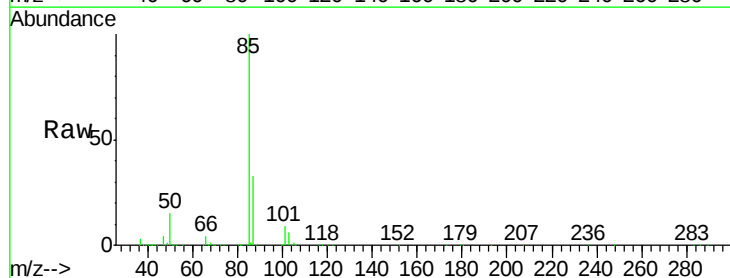
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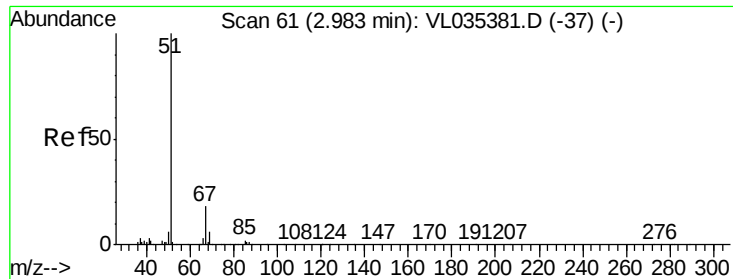
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#2
 Dichlorodifluoromethane
 Concen: 9.648 ppbv
 RT: 3.04 min Scan# 78
 Delta R.T. -0.00 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Tgt Ion: 85 Resp: 1638860
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.1 39.1





#3

Chlorodifluoromethane

Concen: 9.577 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Tot Ion: 51 Resp: 1570463

Ion Ratio Lower Upper

51 100

67 18.8 14.1 21.1

Instrument :

MSVOA_L

ClientSampleId :

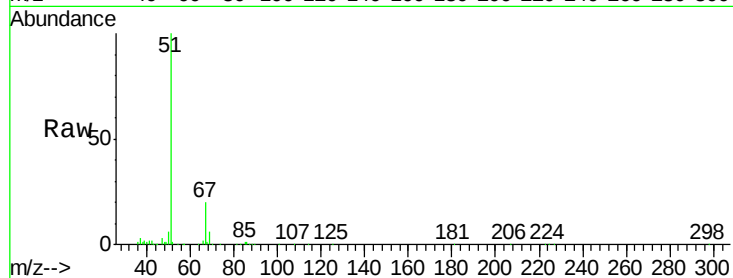
VL0813ABS01

Manual Integrations

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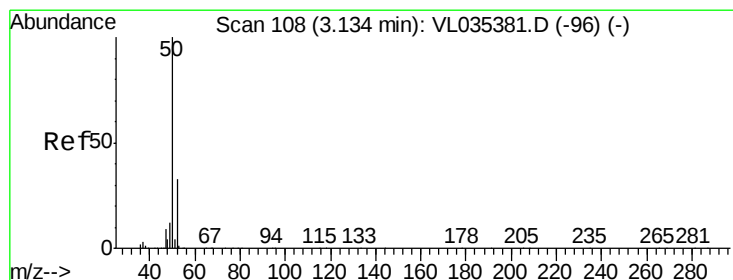
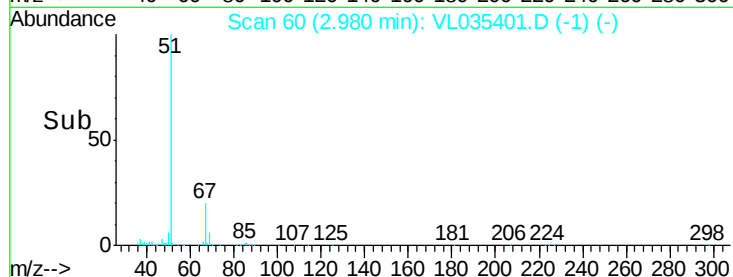
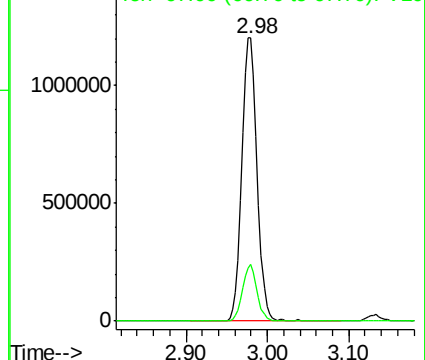
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.251 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL035401.D

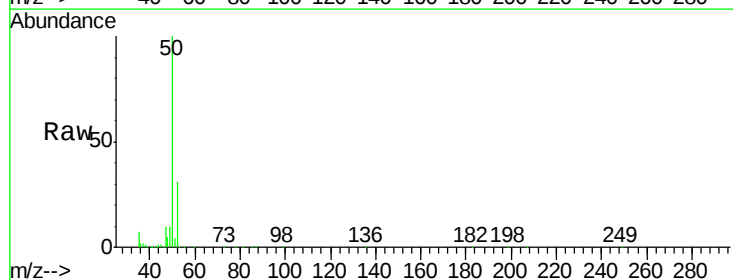
Acq: 13 Aug 2020 11:34

Tgt Ion: 50 Resp: 847786

Ion Ratio Lower Upper

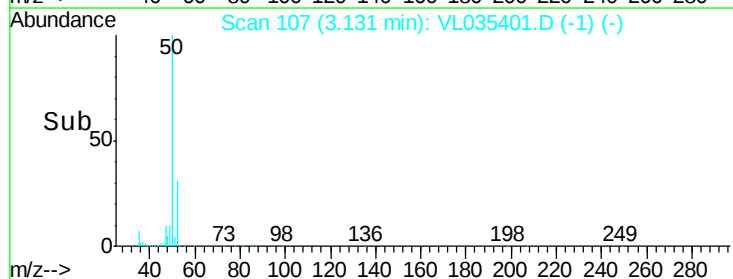
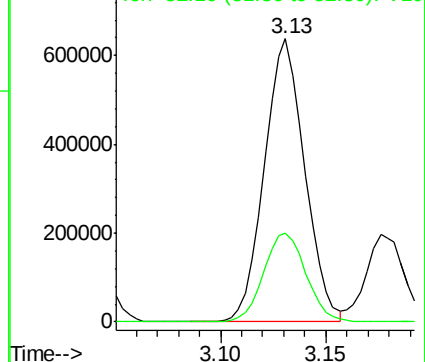
50 100

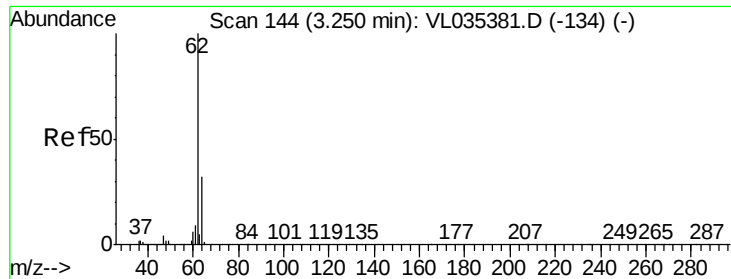
52 31.5 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.912 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 62 Resp: 807187

Ion Ratio Lower Upper

62 100

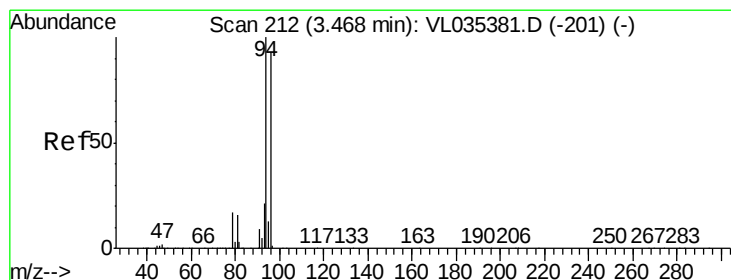
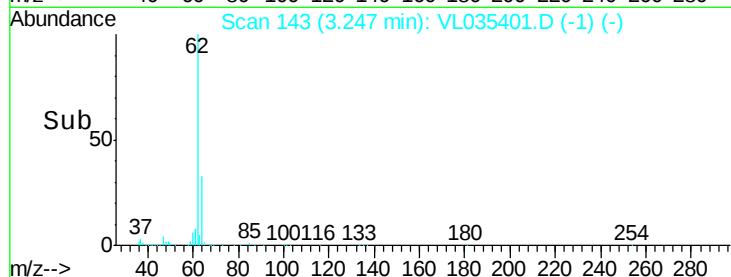
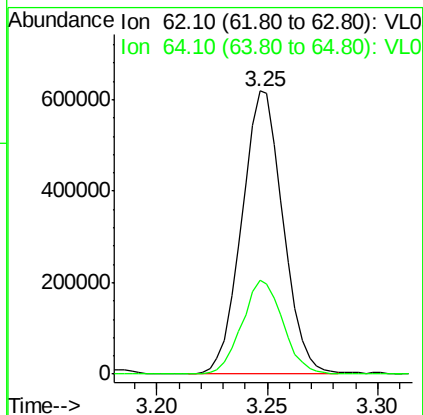
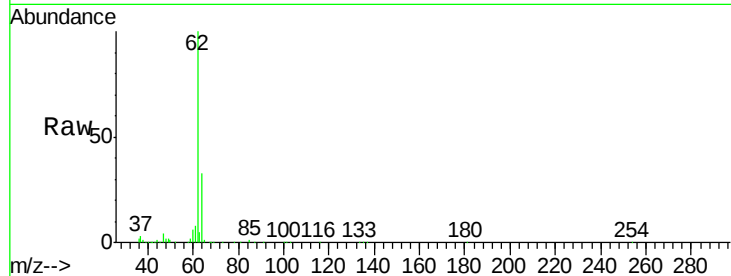
64 33.3 25.7 38.5

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#6

Bromomethane

Concen: 9.730 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL035401.D

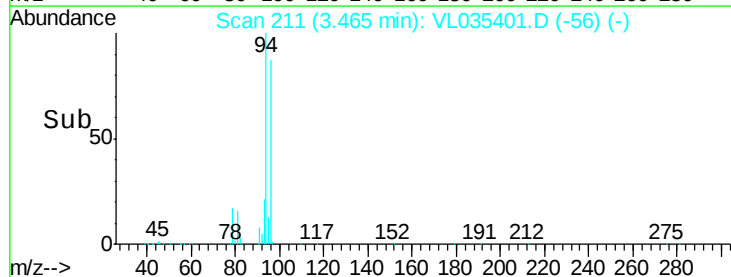
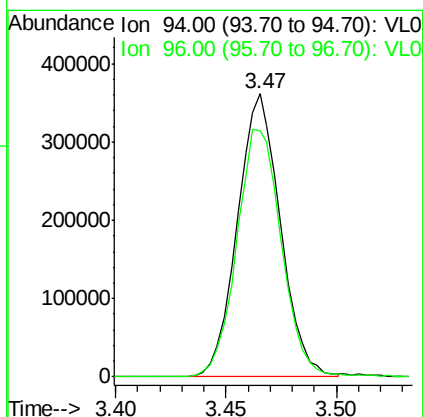
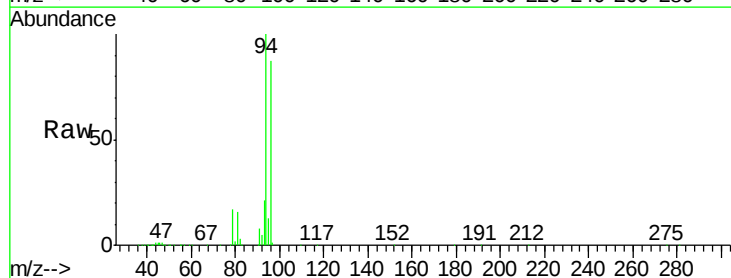
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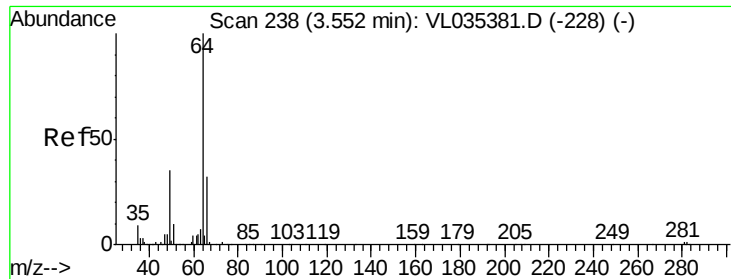
Tgt Ion: 94 Resp: 488694

Ion Ratio Lower Upper

94 100

96 86.7 74.4 111.6





#7

Chloroethane

Concen: 9.313 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.00 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 64 Resp: 297540

Ion Ratio Lower Upper

64 100

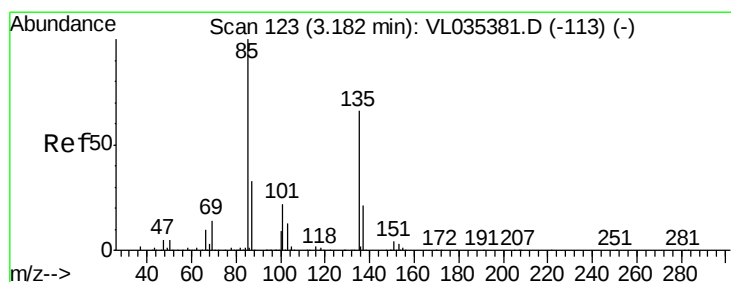
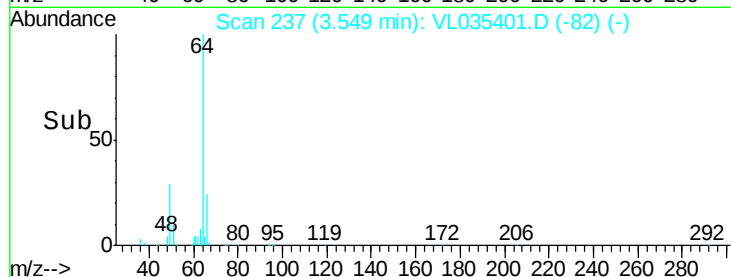
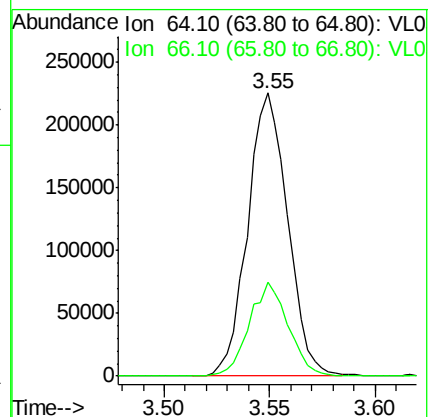
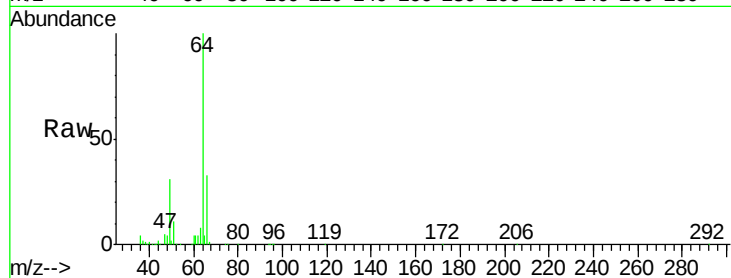
66 33.3 25.7 38.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.278 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.00 min

Lab File: VL035401.D

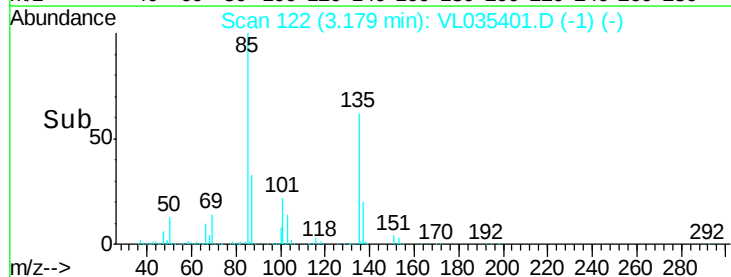
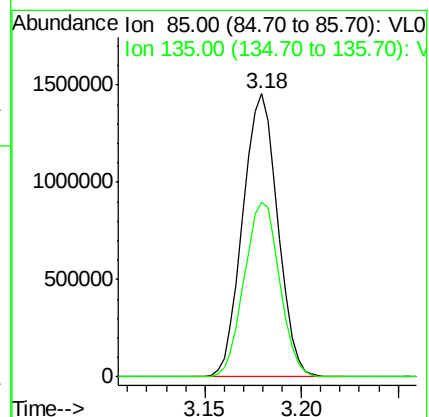
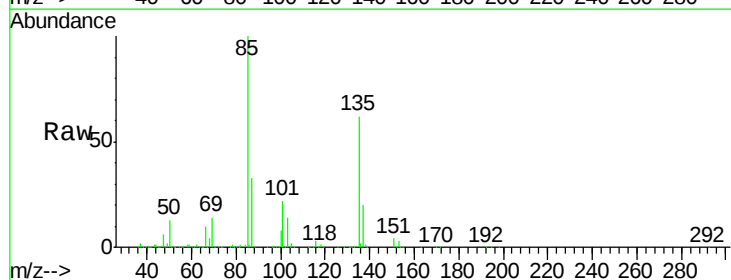
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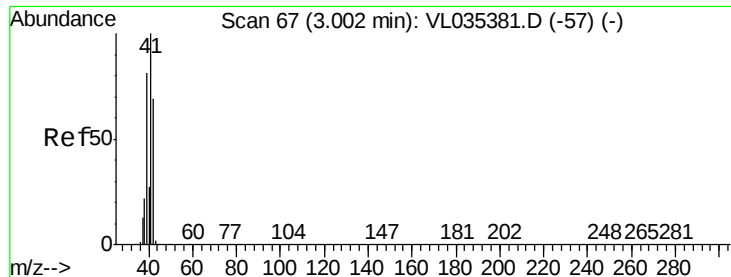
Tgt Ion: 85 Resp: 1829364

Ion Ratio Lower Upper

85 100

135 62.7 52.5 78.7





#9

Propene

Concen: 8.728 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 41 Resp: 741448

Ion Ratio Lower Upper

41 100

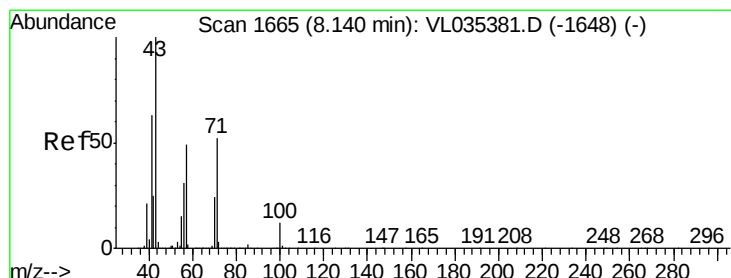
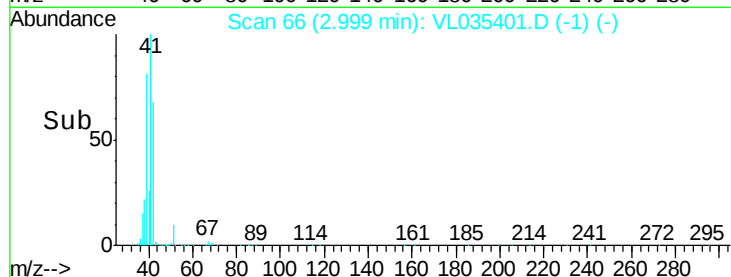
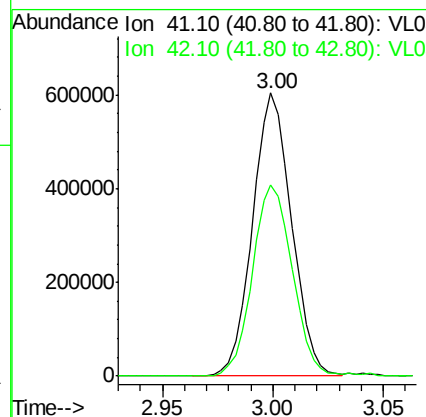
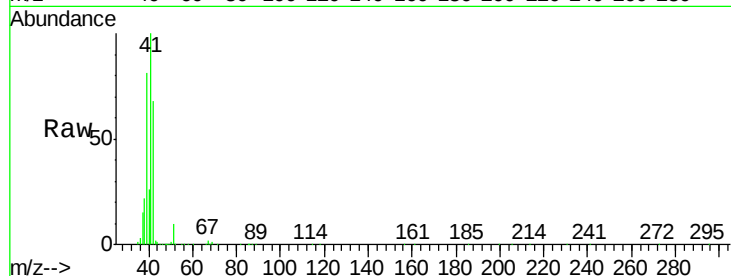
42 69.8 55.4 83.2

Manual Integrations

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#10

Heptane

Concen: 8.840 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.01 min

Lab File: VL035401.D

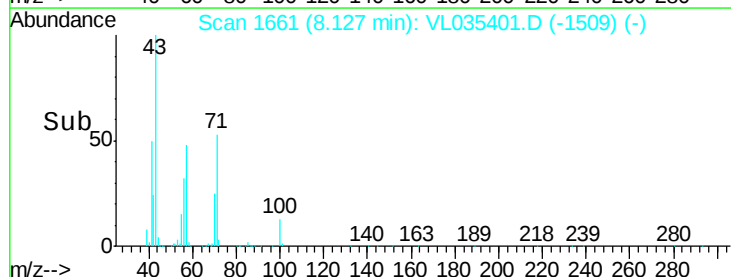
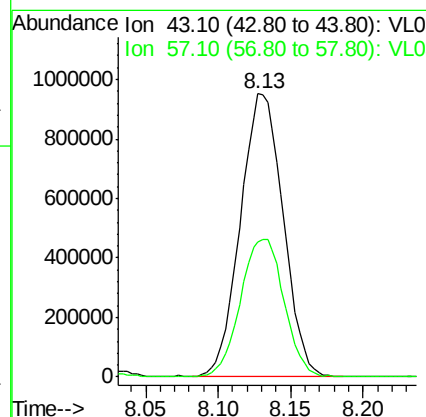
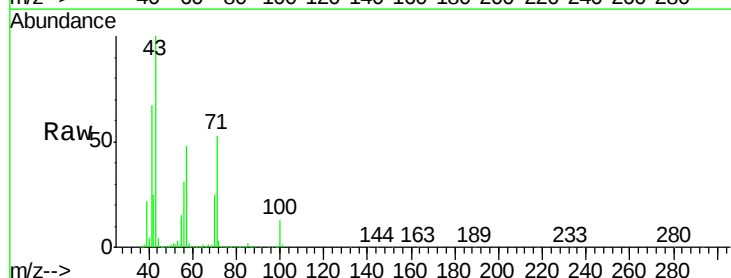
Acq: 13 Aug 2020 11:34

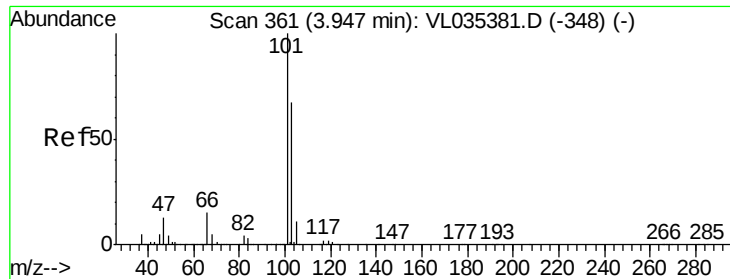
Tgt Ion: 43 Resp: 1945076

Ion Ratio Lower Upper

43 100

57 49.7 39.4 59.2





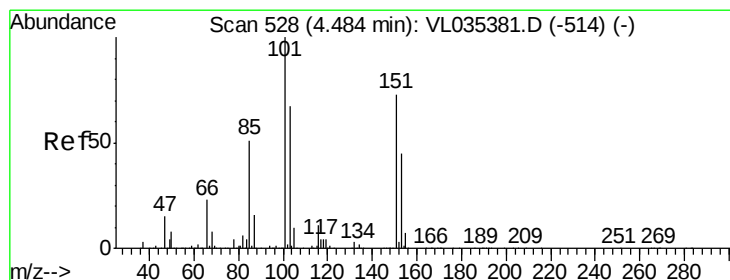
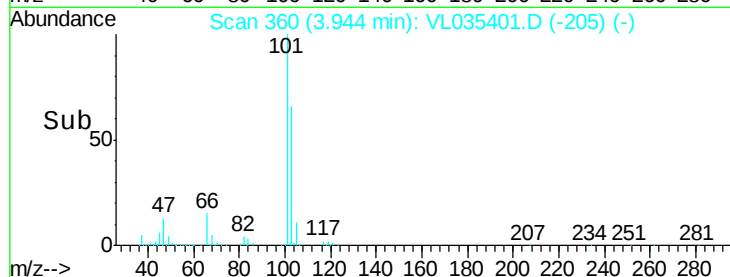
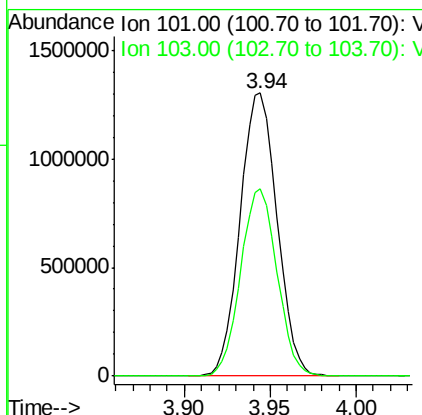
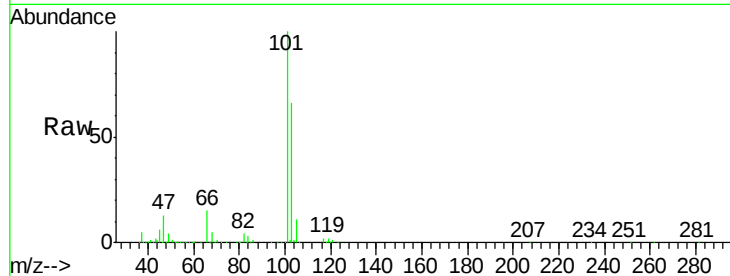
#11
 Trichlorofluoromethane
 Concen: 9.452 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion:101 Resp: 1947003
 Ion Ratio Lower Upper
 101 100
 103 66.3 53.3 79.9

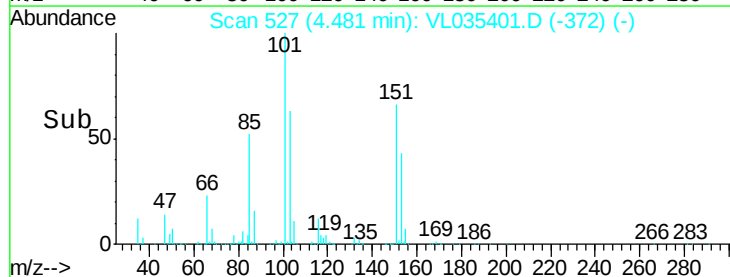
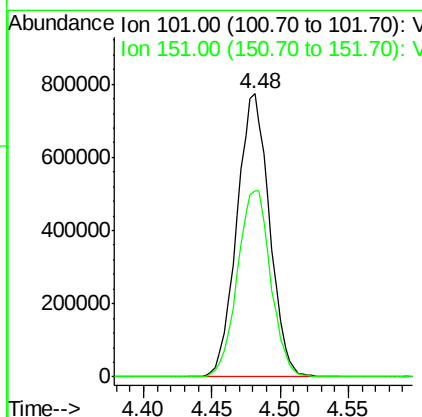
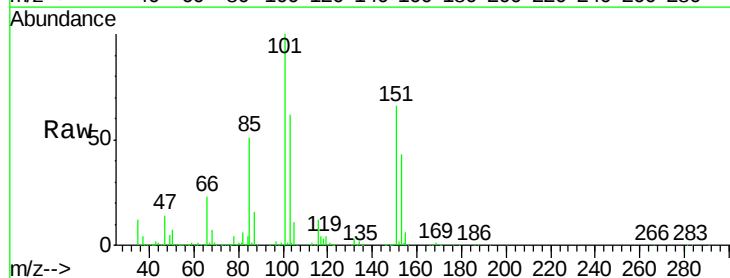
Manual Integrations
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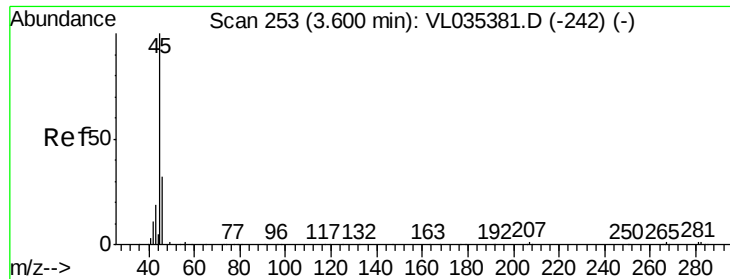
MMDadoda
 8/17/2020 9:10:55 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.161 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Tgt Ion:101 Resp: 1284237
 Ion Ratio Lower Upper
 101 100
 151 67.0 57.0 85.6





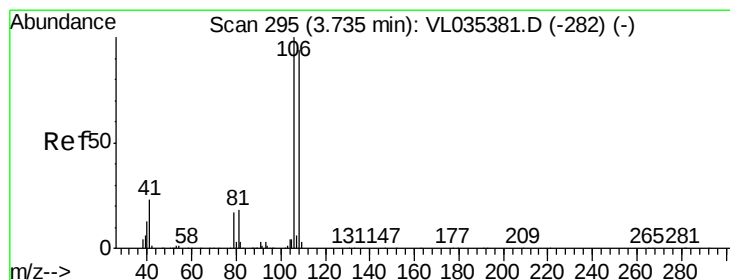
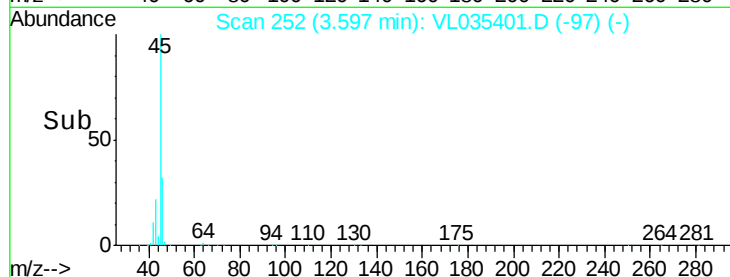
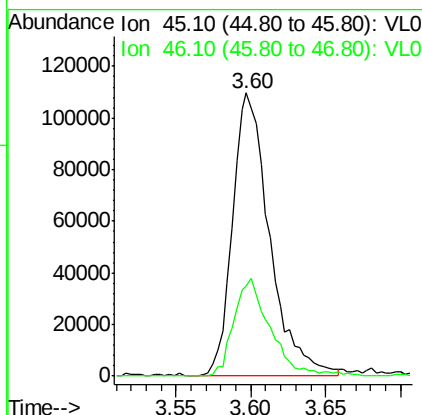
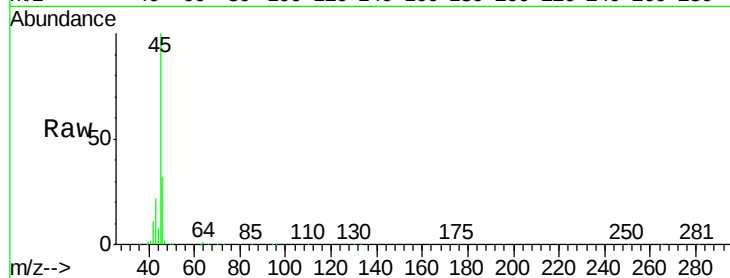
#13
Ethanol
Concen: 6.807 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	34.1	14.1	56.3

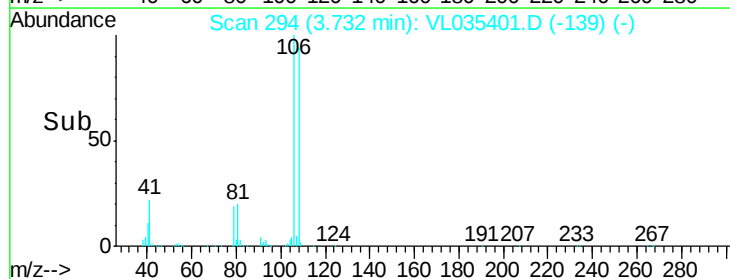
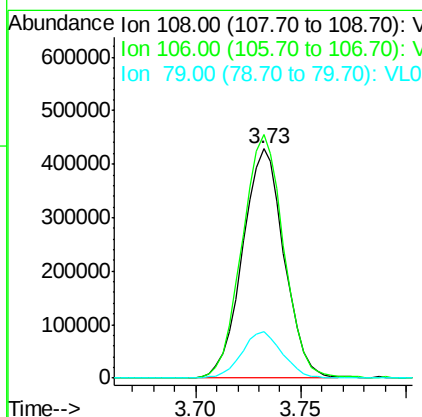
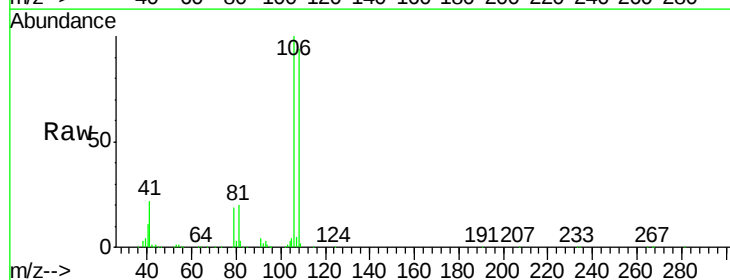
Manual Integrations
APPROVED

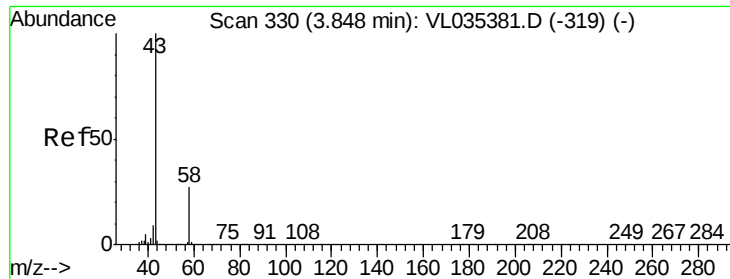
MMDadoda
8/17/2020 9:10:55 PM



#14
Bromoethene
Concen: 9.359 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.1	84.9	127.3
79	20.1	15.8	23.8





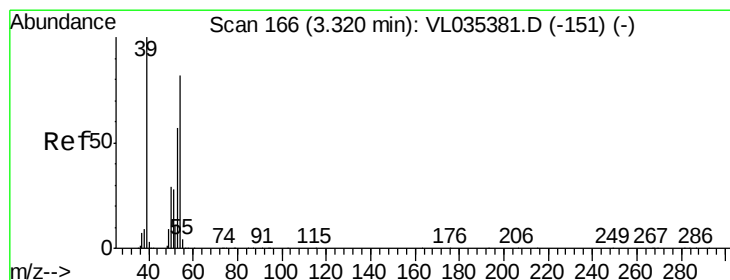
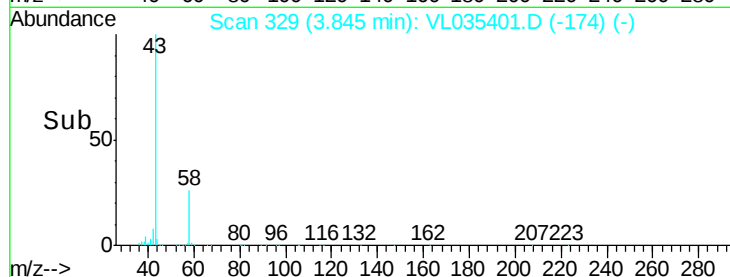
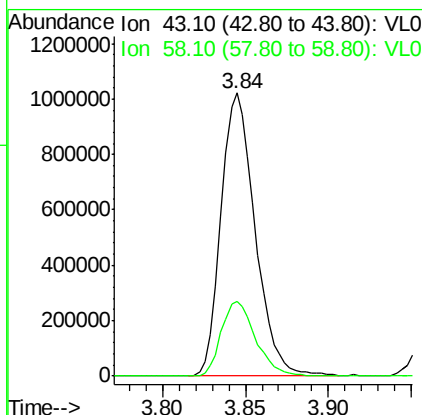
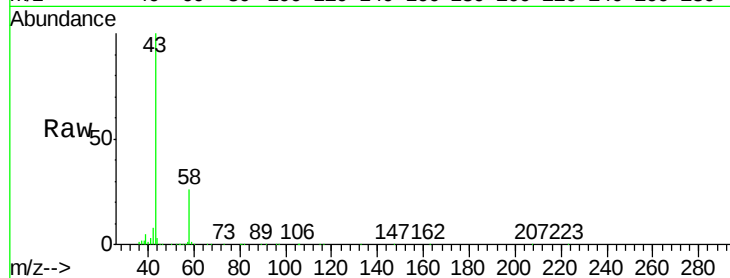
#15
Acetone
Concen: 8.178 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion: 43 Resp: 1452862
Ion Ratio Lower Upper
43 100
58 26.8 21.7 32.5

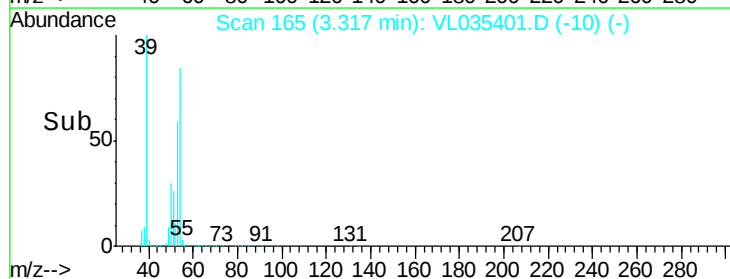
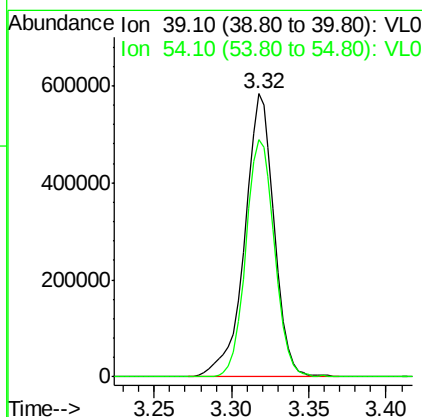
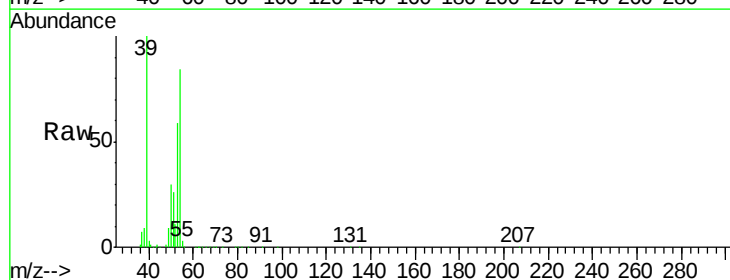
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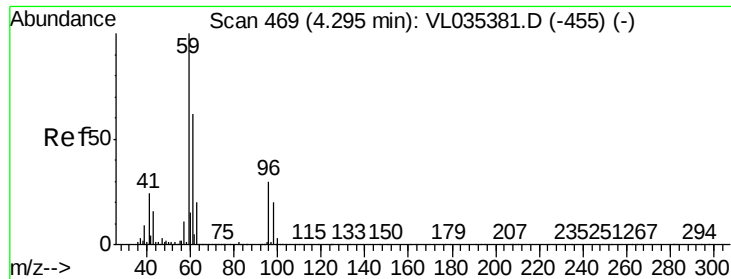
MMDadoda
8/17/2020 9:10:55 PM



#16
1,3-Butadiene
Concen: 8.419 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 39 Resp: 767976
Ion Ratio Lower Upper
39 100
54 82.6 64.9 97.3





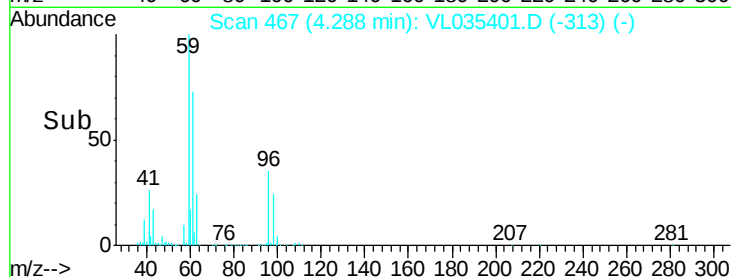
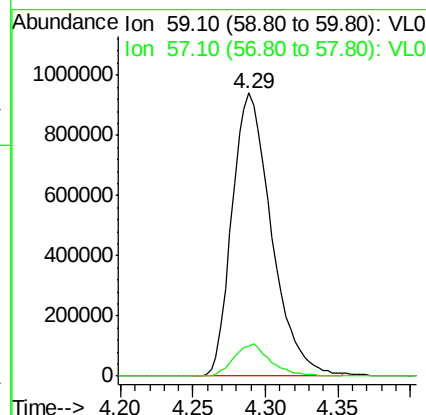
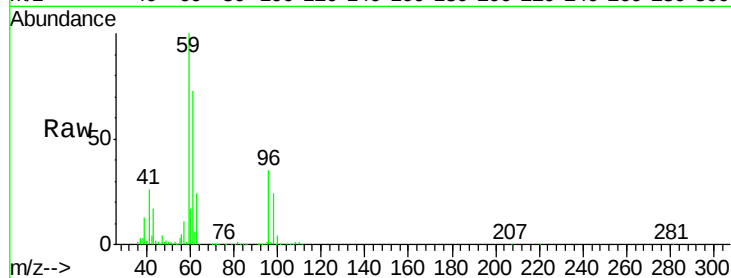
#17
tert-Butyl alcohol
Concen: 8.581 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleID :
VL0813ABS01

Tot Ion: 59 Resp: 1778063
Ion Ratio Lower Upper
59 100
57 10.7 8.6 13.0

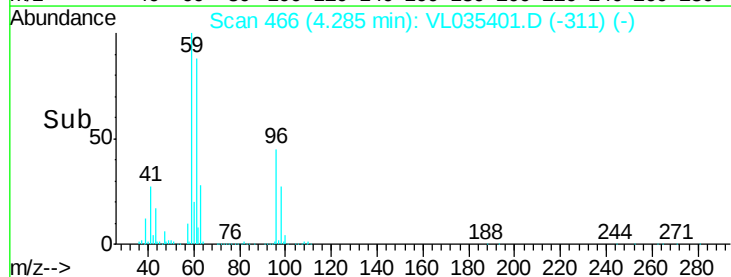
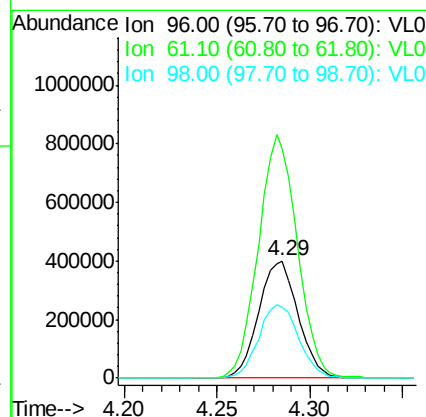
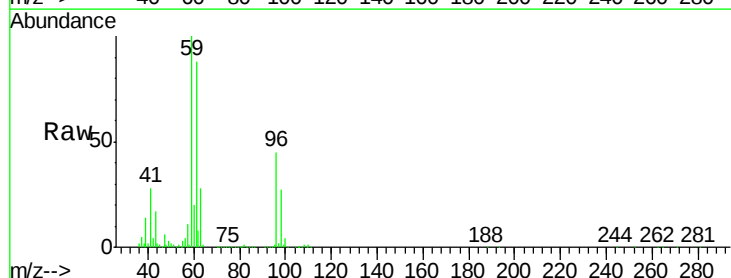
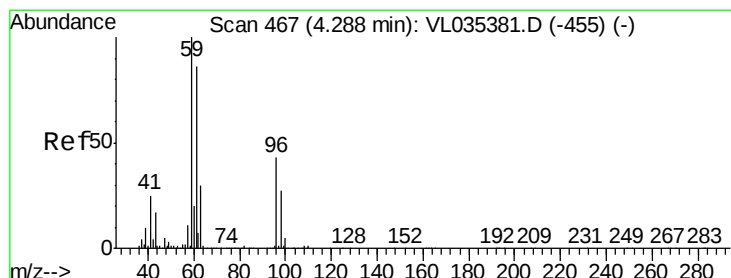
Manual Integrations
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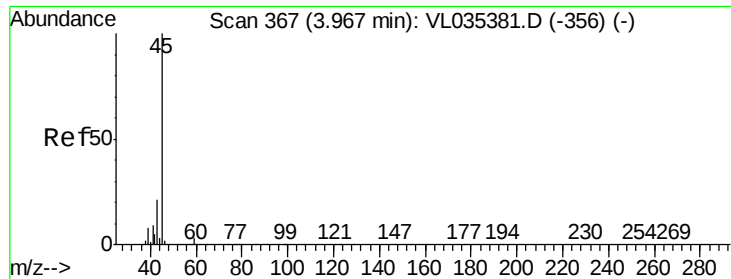
MMDadoda
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#18
1,1-Dichloroethene
Concen: 9.181 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 96 Resp: 589631
Ion Ratio Lower Upper
96 100
61 196.4 159.0 238.4
98 60.9 50.3 75.5





#19

Isopropyl Alcohol

Concen: 8.792 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 45 Resp: 1218859

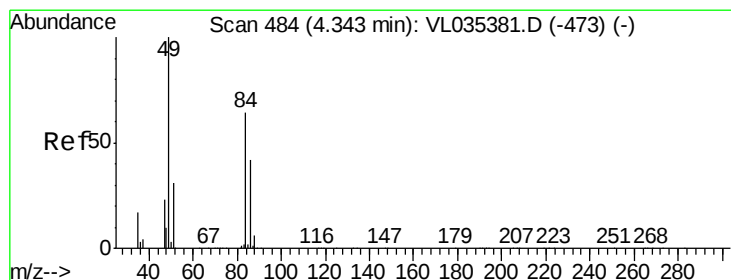
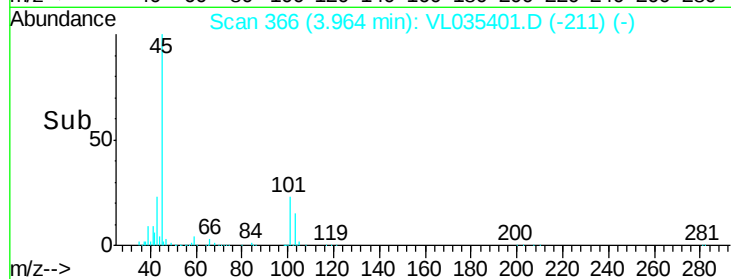
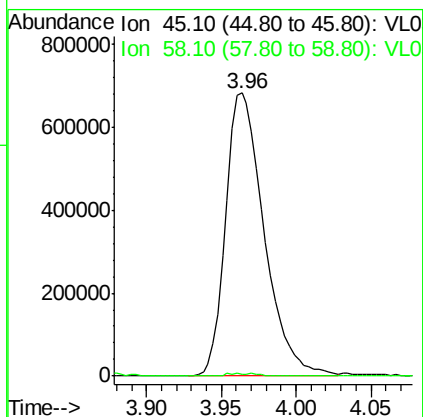
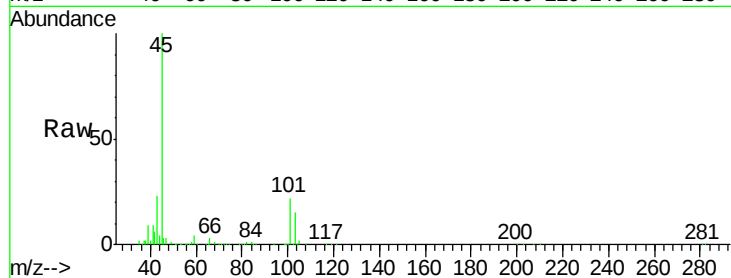
Ion Ratio Lower Upper

45 100

58 1.1 24.9 37.3#

Manual Integrations
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#20

Methylene Chloride

Concen: 7.994 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Tgt Ion: 84 Resp: 536242

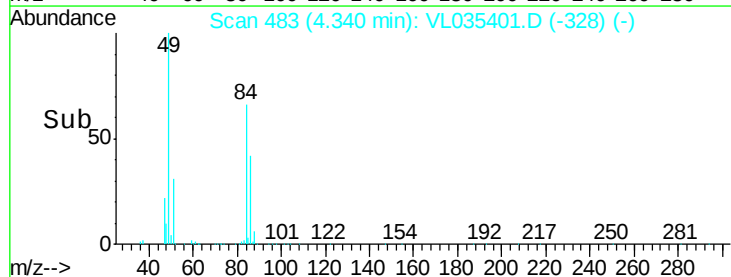
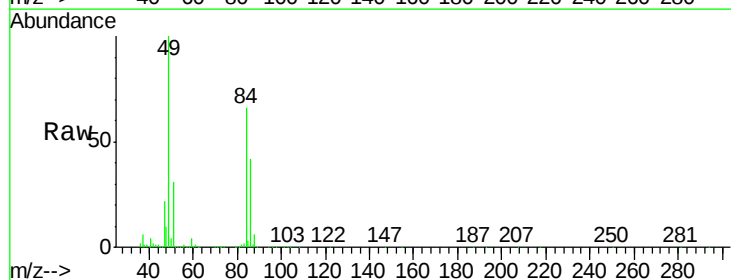
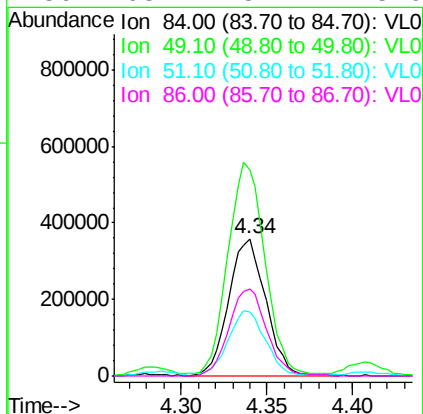
Ion Ratio Lower Upper

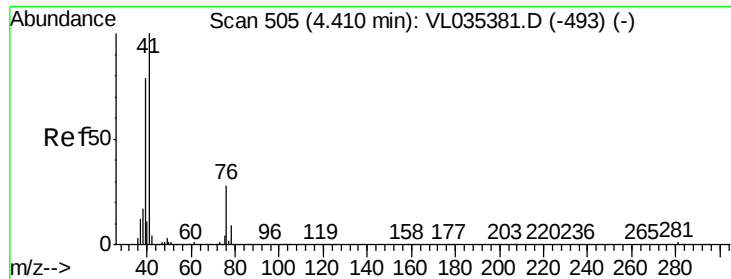
84 100

49 148.7 125.7 188.5

51 45.9 38.5 57.7

86 63.1 52.4 78.6





#21

Allvl Chloride

Concen: 8.730 ppbv

RT: 4.41 min Scan# 504

Delta R.T. -0.00 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 41 Resp: 1018349

Ion Ratio Lower Upper

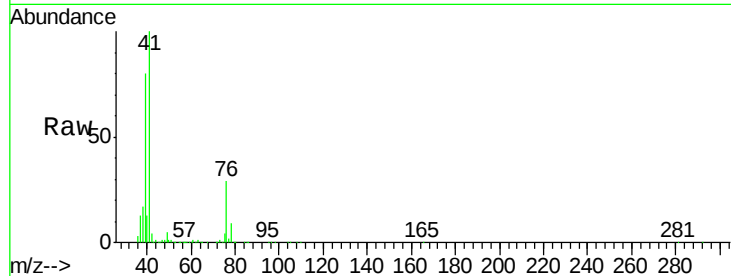
41 100

76 28.5 22.4 33.6

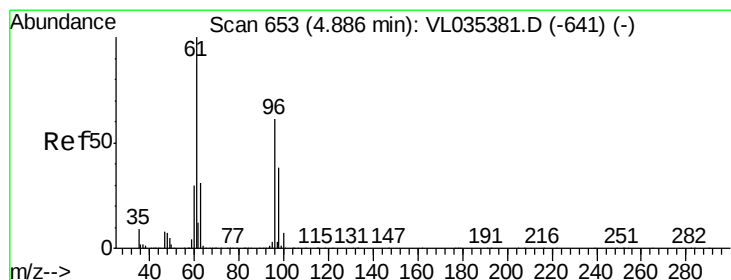
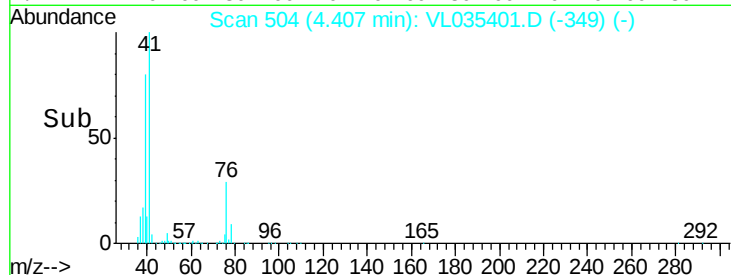
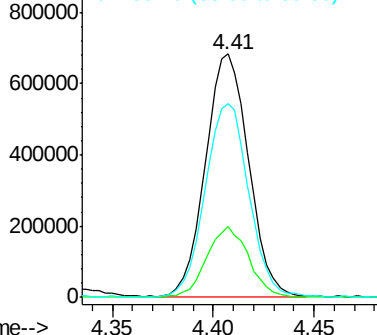
39 81.3 63.0 94.4

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Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.376 ppbv

RT: 4.88 min Scan# 652

Delta R.T. -0.00 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

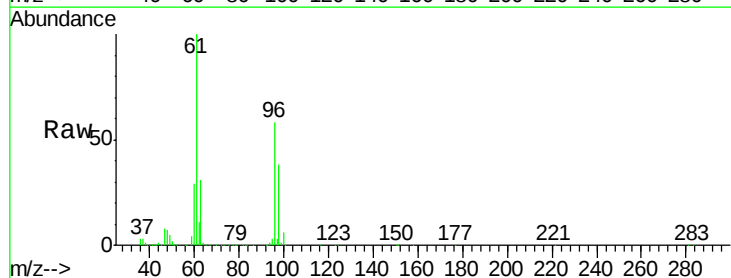
Tgt Ion: 96 Resp: 604930

Ion Ratio Lower Upper

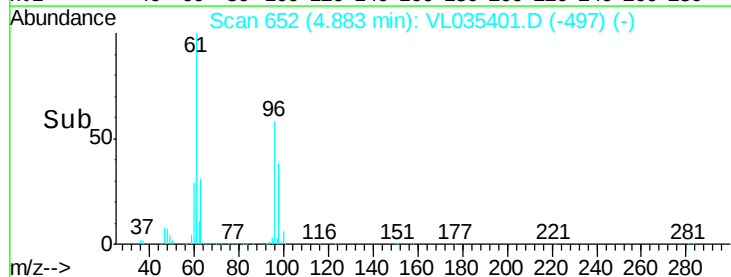
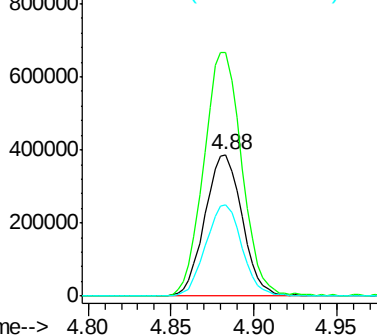
96 100

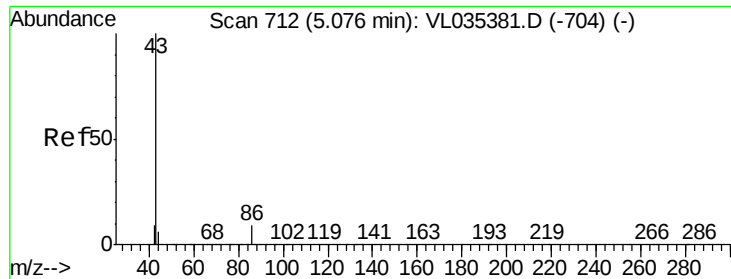
61 172.0 131.8 197.6

98 64.8 49.6 74.4



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 8.701 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VL035401.D

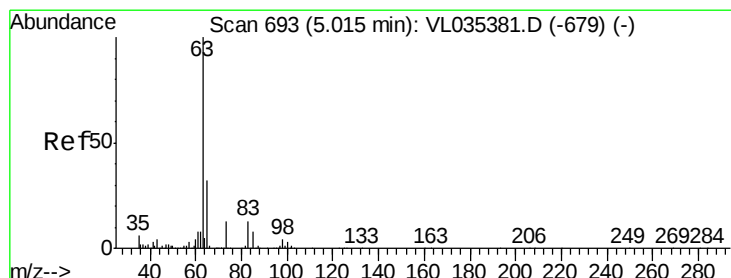
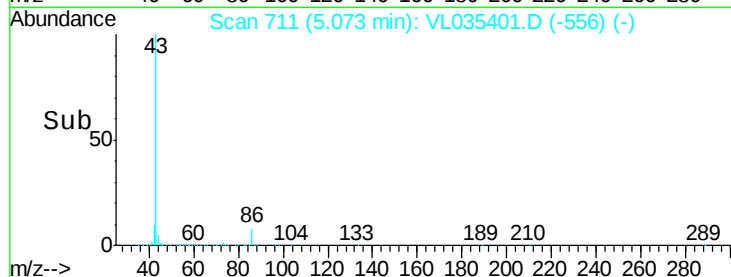
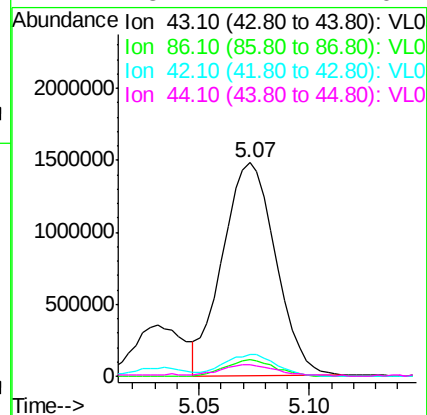
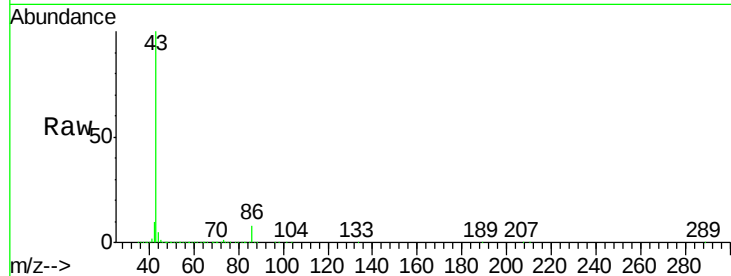
Acq: 13 Aug 2020 11:34

Tot Ion:	43	Resp:	2467767
Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.8	8.8
42	10.2	8.0	12.0
44	5.1	4.2	6.2

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

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#24

1,1-Dichloroethane

Concen: 9.157 ppbv

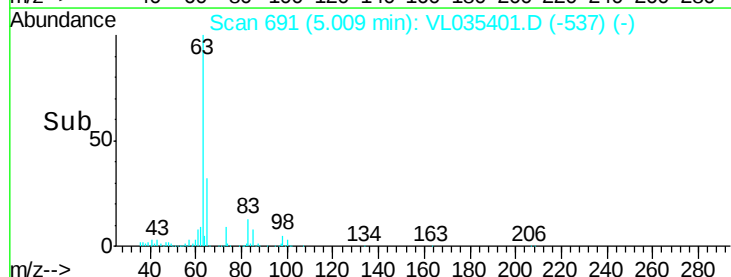
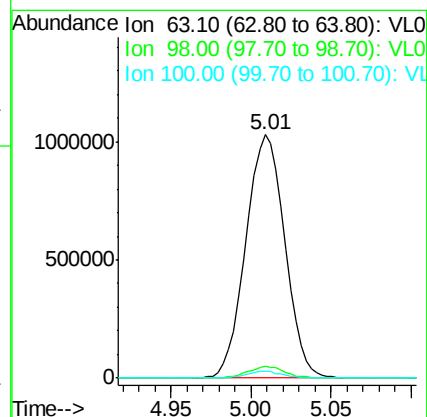
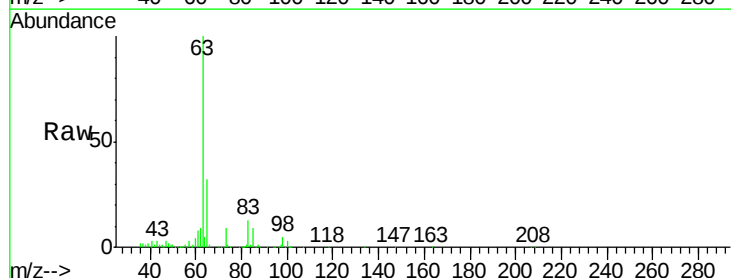
RT: 5.01 min Scan# 691

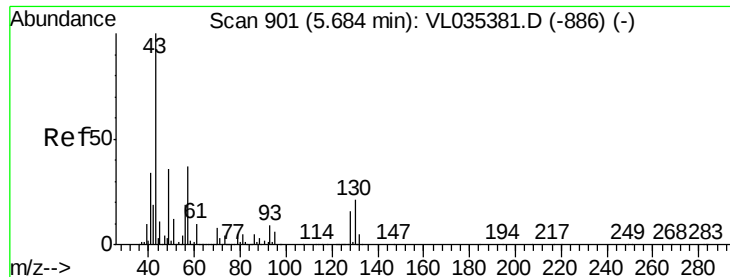
Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Tgt Ion:	63	Resp:	1710187
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.2	6.6
100	3.0	1.4	4.0





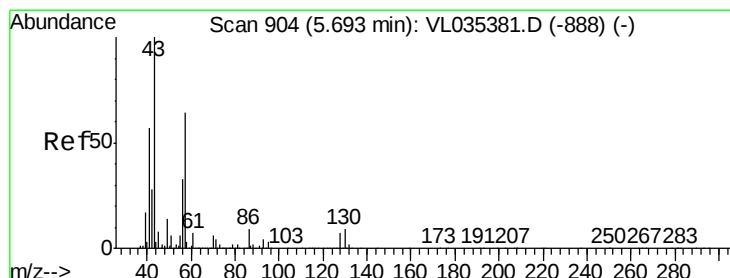
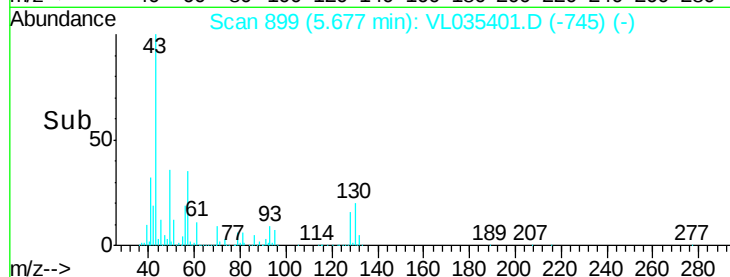
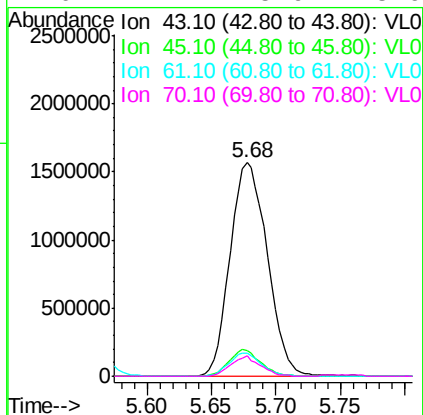
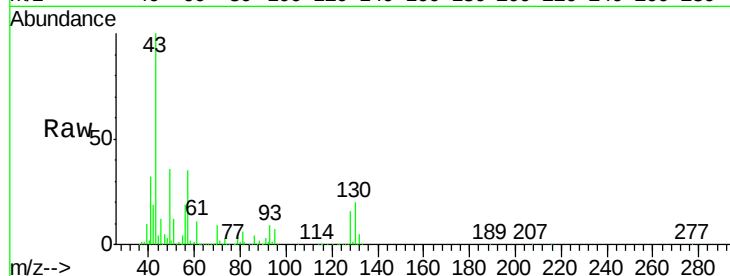
#25
Ethyl Acetate
Concen: 8.549 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.0	12.0
61	9.5	7.4	11.2
70	7.7	5.9	8.9

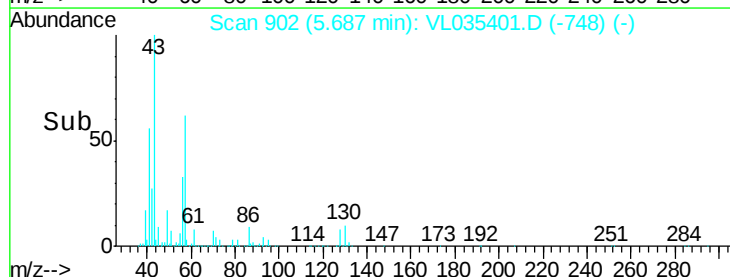
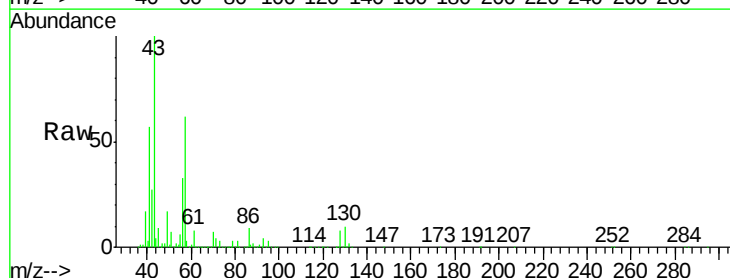
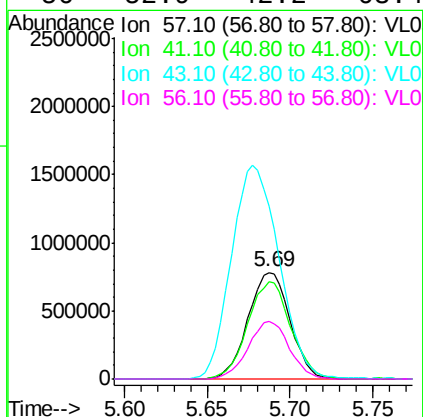
Manual Integrations
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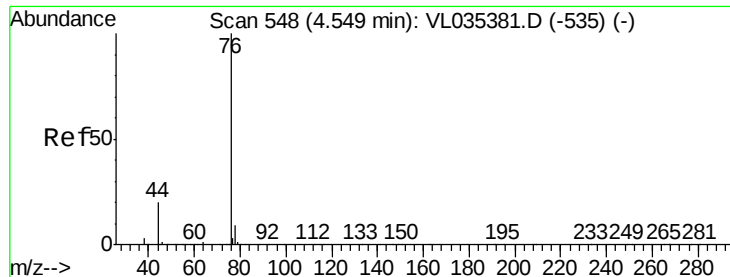
MMDadoda
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#26
Hexane
Concen: 8.575 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.2	75.4	113.2
43	228.6	184.1	276.1
56	52.9	42.2	63.4





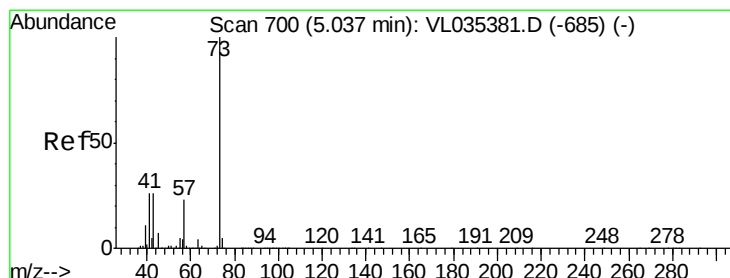
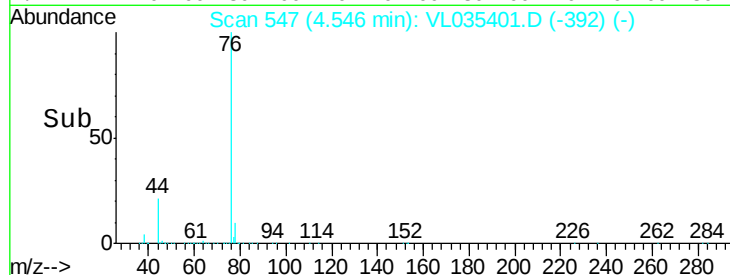
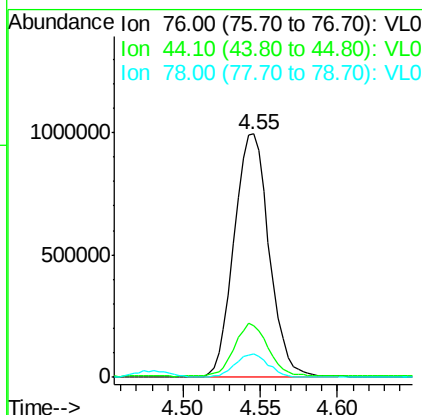
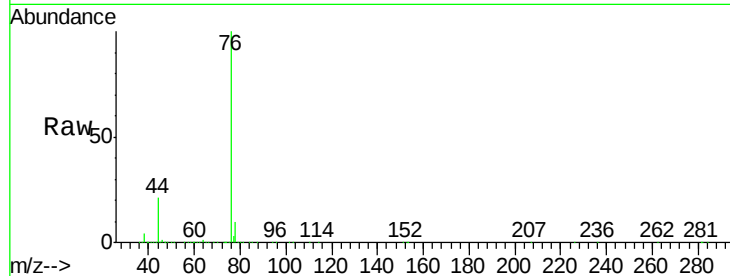
#27
Carbon Disulfide
Concen: 9.156 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	20.7	17.0	25.4
78	9.4	7.5	11.3

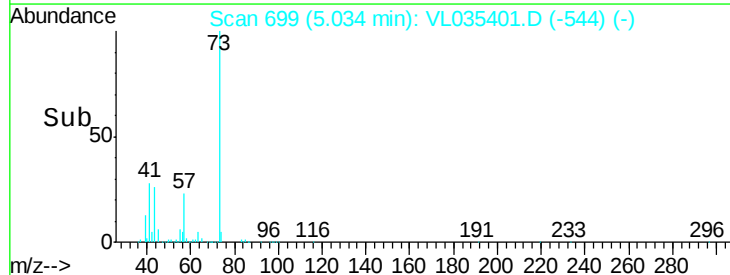
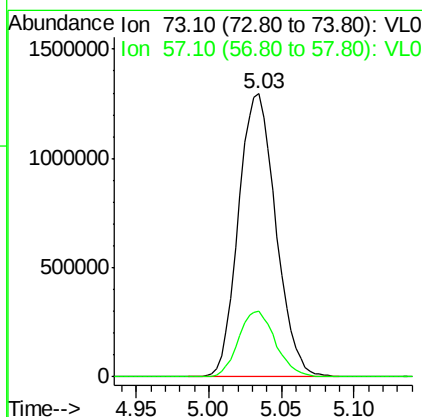
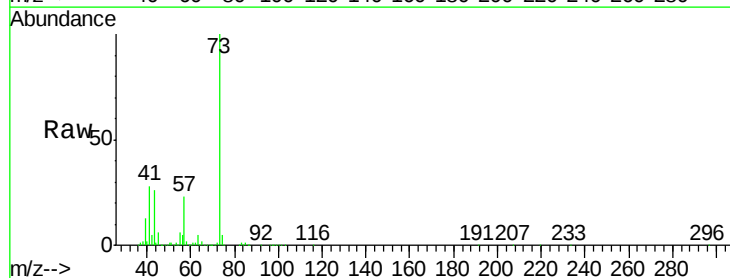
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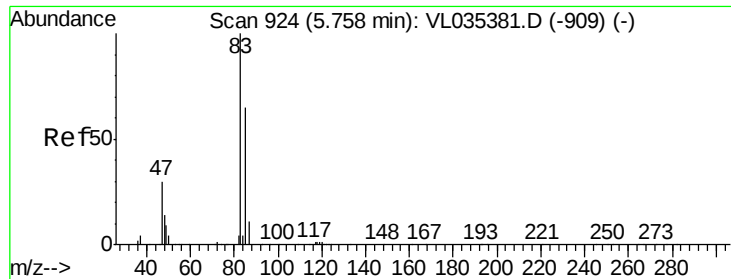
MMDadoda
8/17/2020 9:10:55 PM



#28
Methyl tert-Butyl Ether
Concen: 8.764 ppbv
RT: 5.03 min Scan# 699
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.2	19.0	28.4





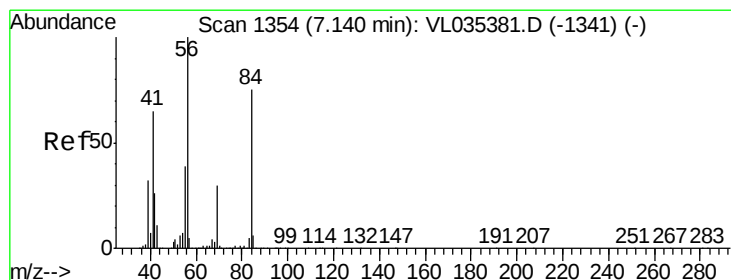
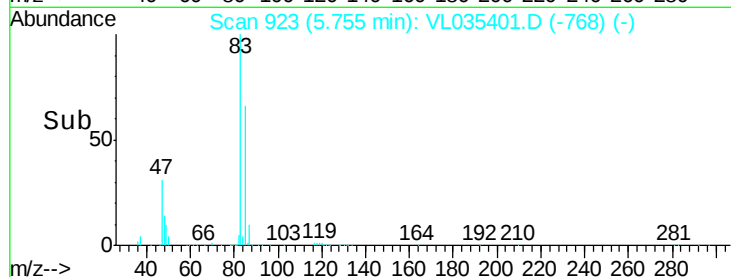
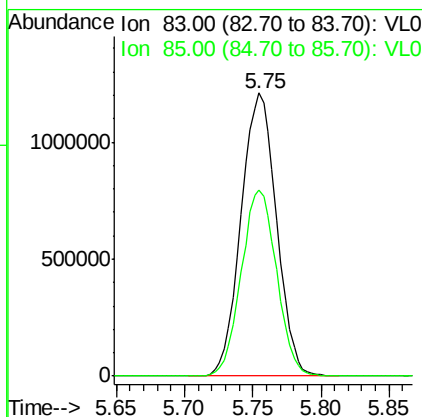
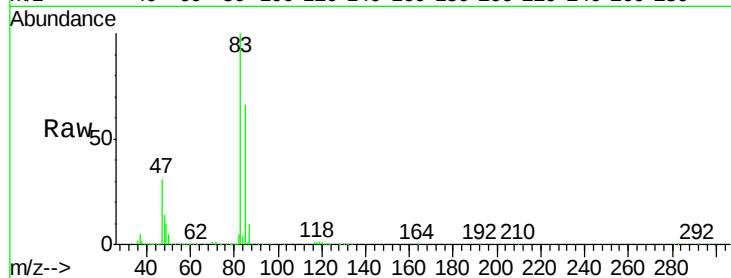
#29
Chloroform
Concen: 9.532 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion: 83 Resp: 2182670
Ion Ratio Lower Upper
83 100
85 65.7 51.7 77.5

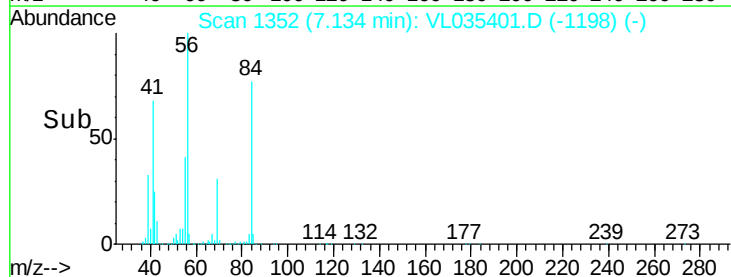
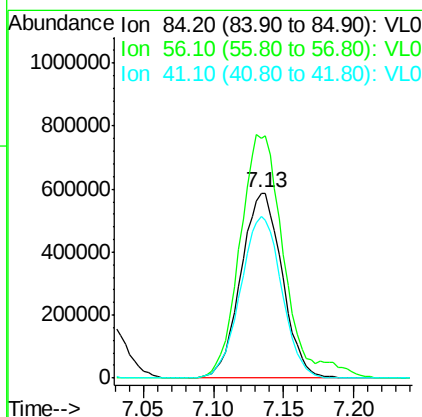
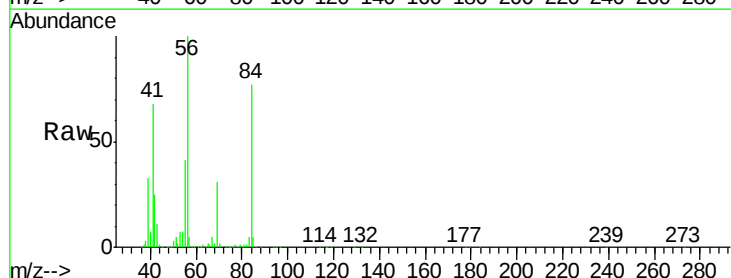
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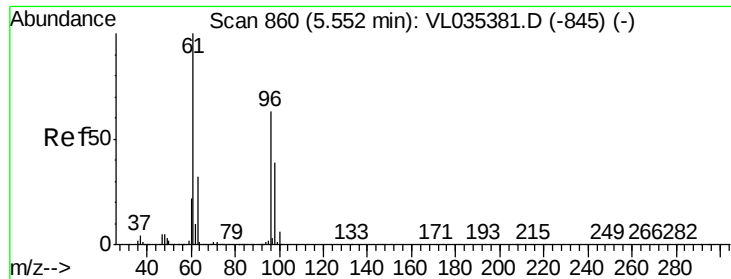
MMDadoda
8/17/2020 9:10:55 PM



#30
Cyclohexane
Concen: 9.070 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 84 Resp: 1199478
Ion Ratio Lower Upper
84 100
56 141.0 115.8 173.6
41 87.1 71.4 107.0





#31

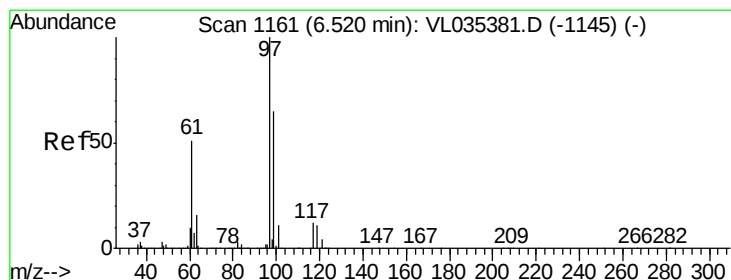
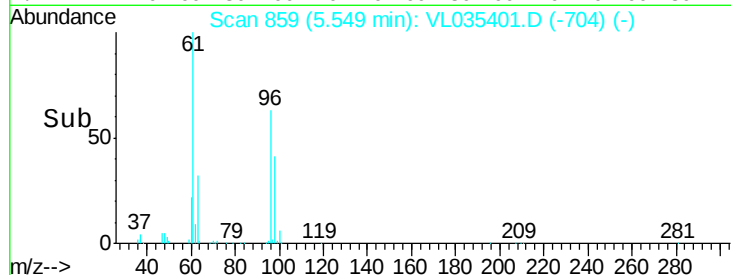
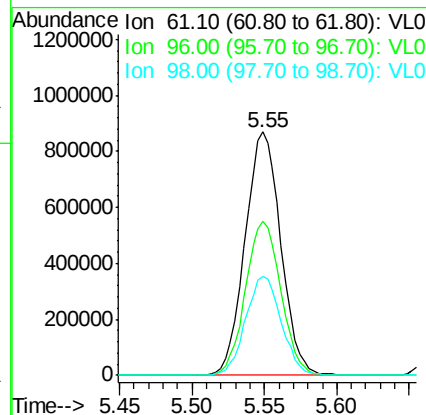
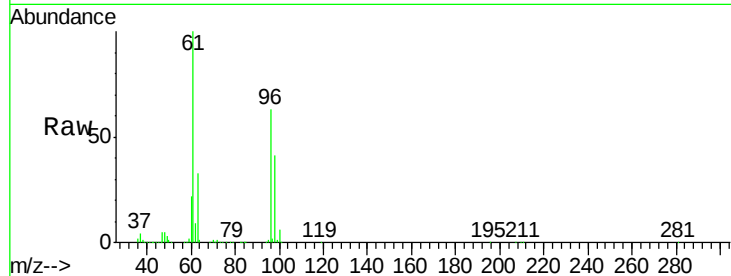
cis-1,2-Dichloroethene
 Concen: 9.377 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.2	50.5	75.7
98	40.9	31.5	47.3

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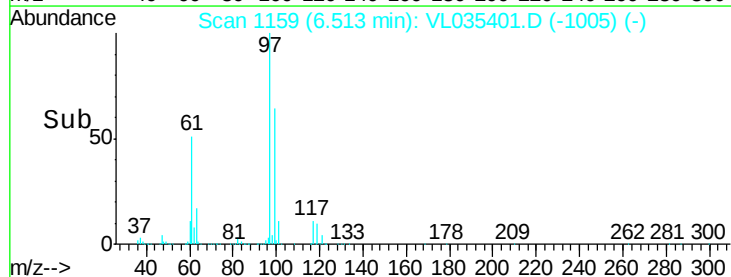
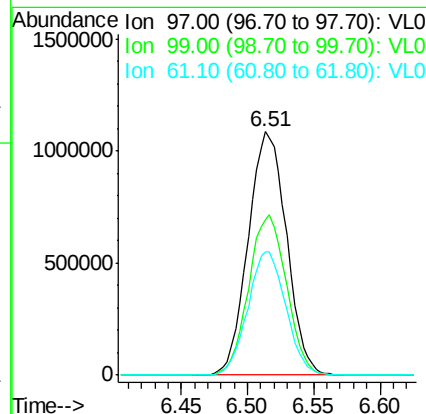
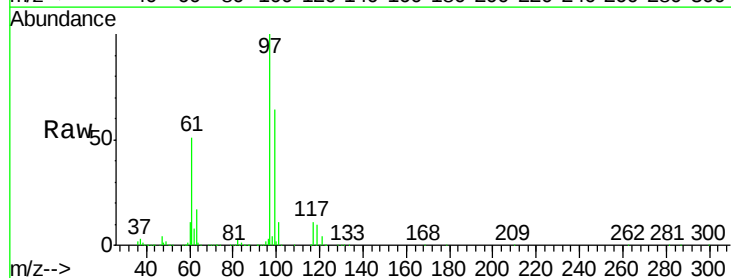
MMDadoda
 8/17/2020 9:10:55 PM

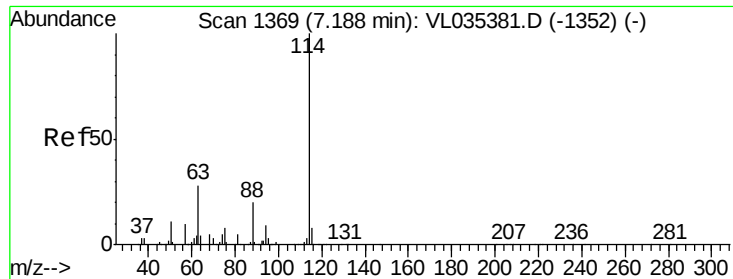


#32

1,1,1-Trichloroethane
 Concen: 8.741 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.8
61	50.1	39.6	59.4





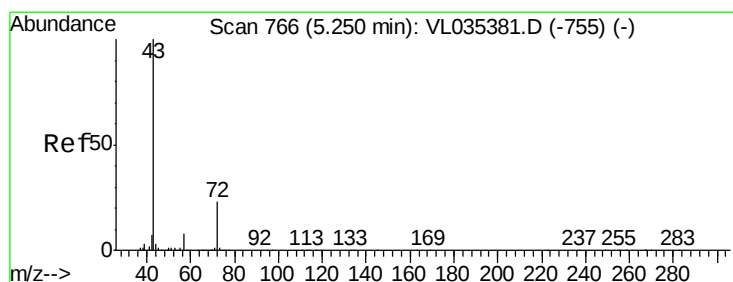
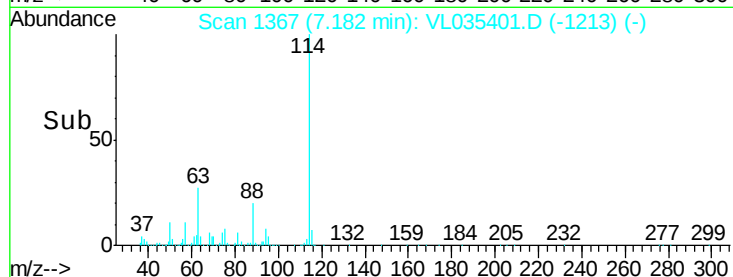
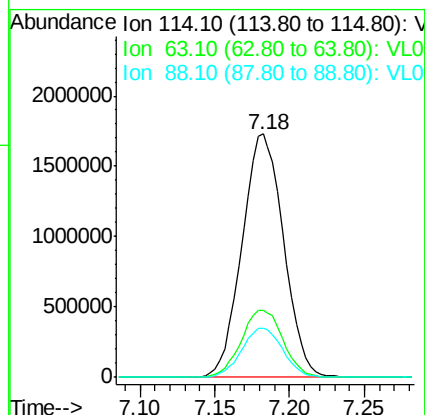
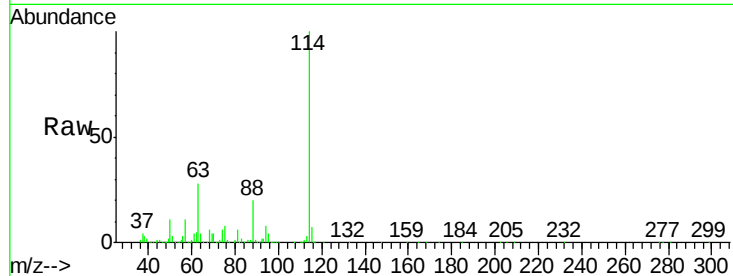
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.3	21.5	32.3
88	20.1	15.6	23.4

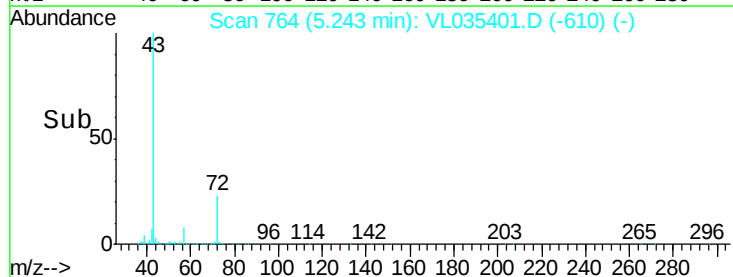
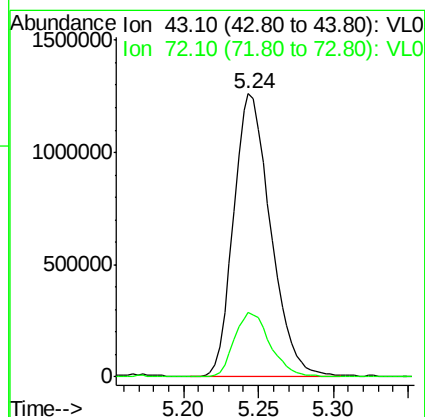
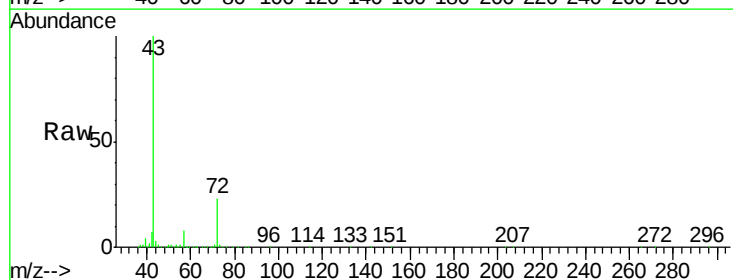
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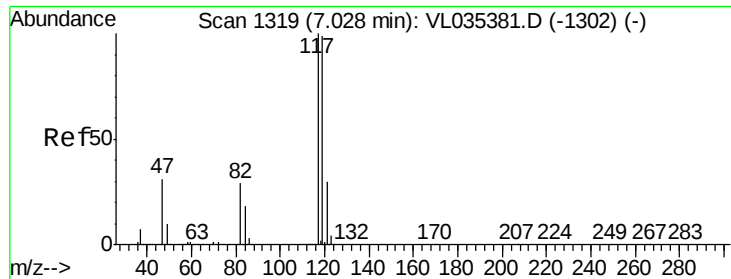
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#34
 2-Butanone
 Concen: 9.133 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.4	17.7	26.5





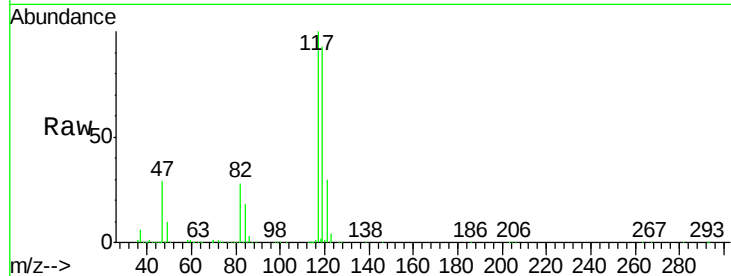
#35
Carbon Tetrachloride
Concen: 9.304 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

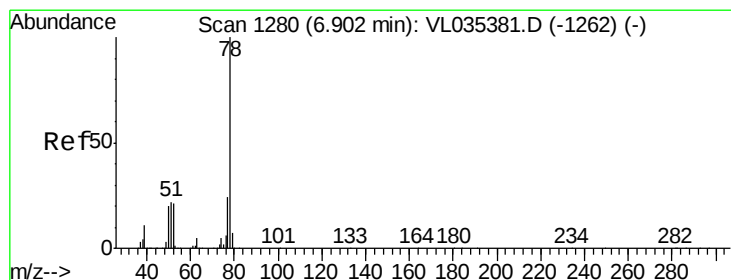
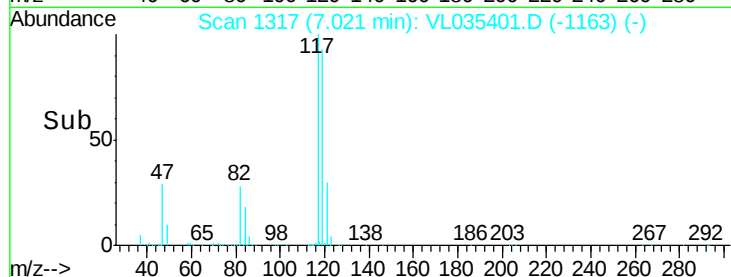
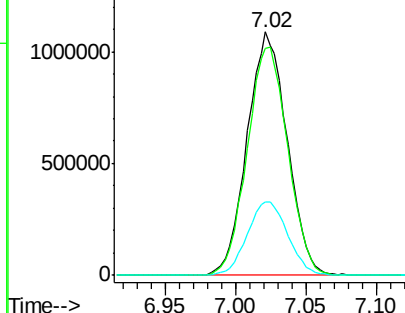
Tot Ion	Ratio	Lower	Upper
117	100		
119	93.3	79.4	119.0
121	30.1	24.3	36.5

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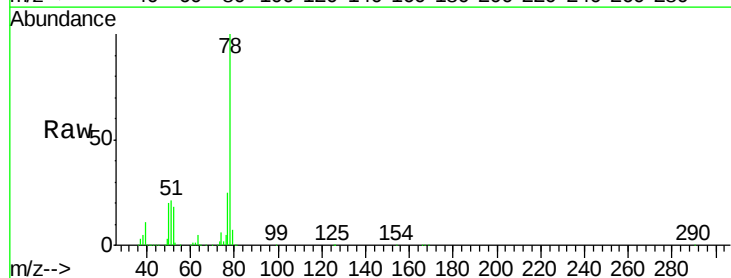


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

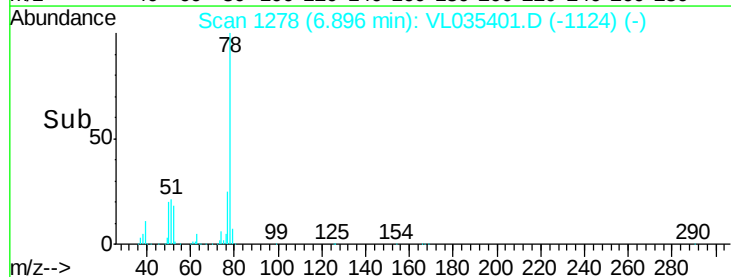
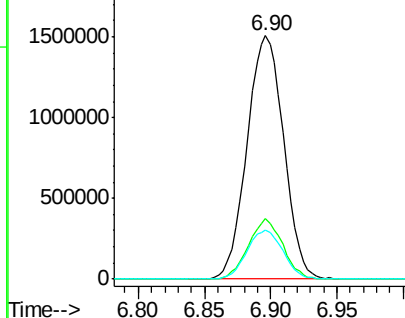


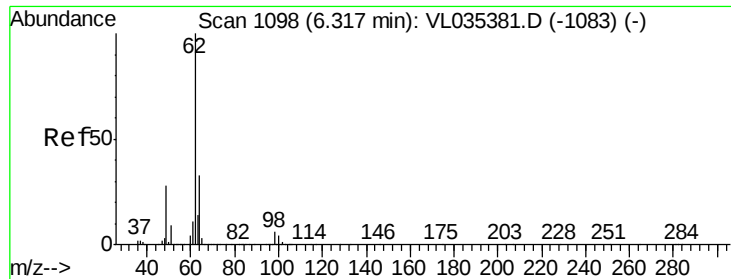
#36
Benzene
Concen: 9.080 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.1	28.7
50	19.9	15.8	23.6



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





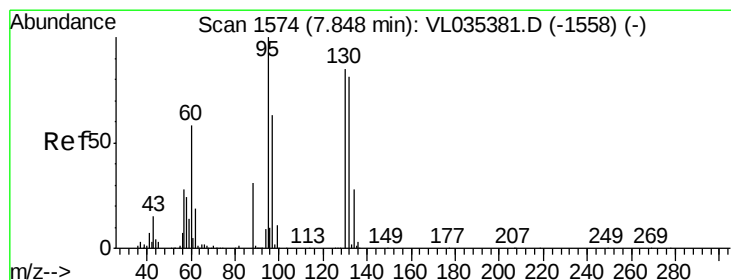
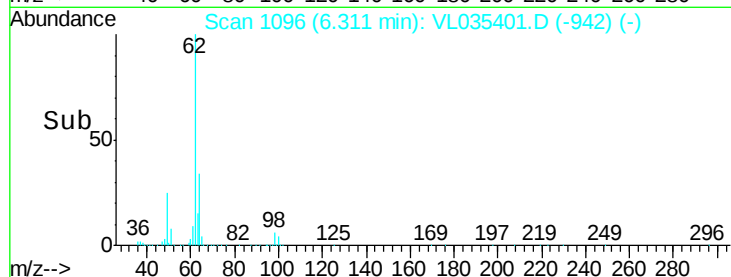
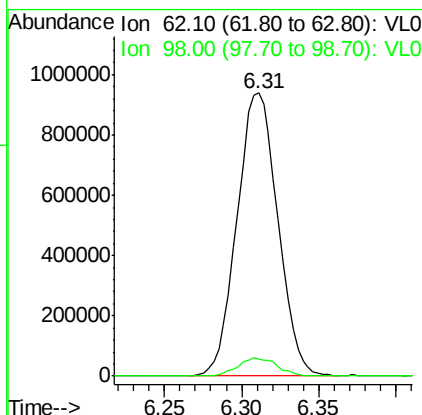
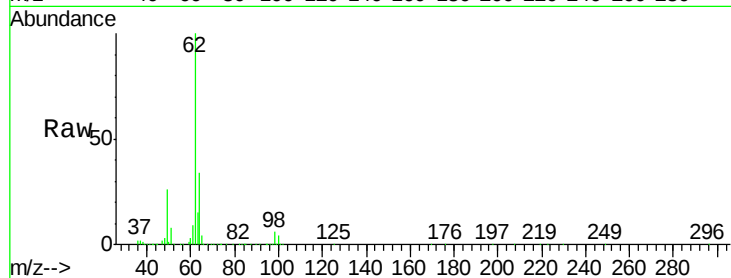
#37
 1,2-Dichloroethane
 Concen: 9.720 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion: 62 Resp: 1724138
 Ion Ratio Lower Upper
 62 100
 98 6.2 5.1 7.7

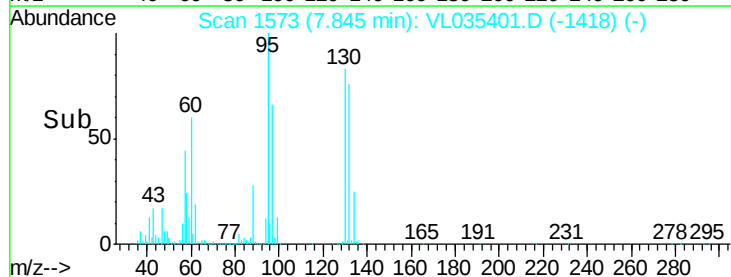
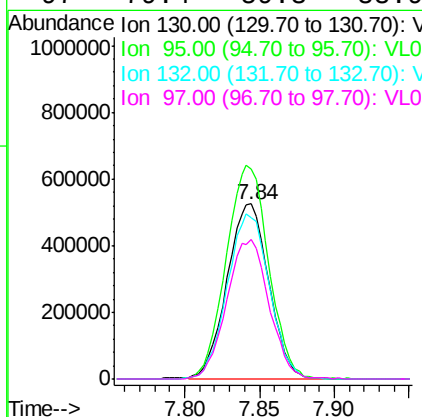
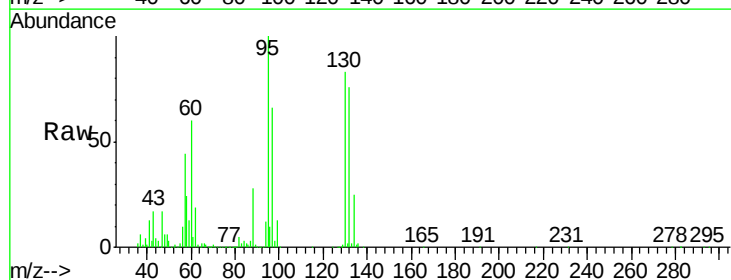
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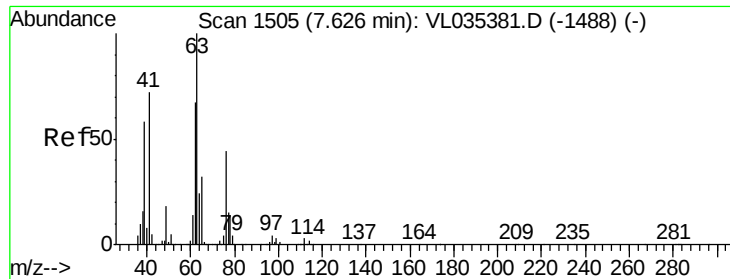
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 8/17/2020 9:10:55 PM



#38
 Trichloroethene
 Concen: 8.106 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Tgt Ion: 130 Resp: 1015087
 Ion Ratio Lower Upper
 130 100
 95 120.2 94.2 141.4
 132 91.7 76.6 114.8
 97 79.4 59.3 88.9





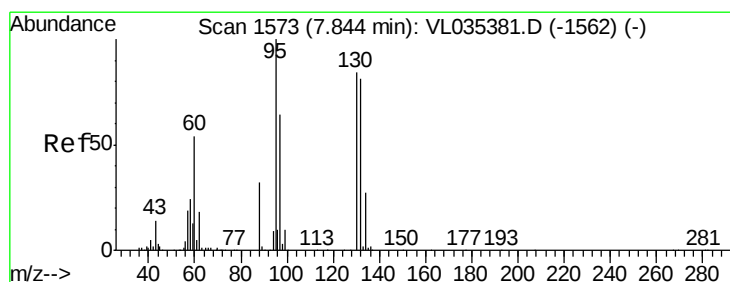
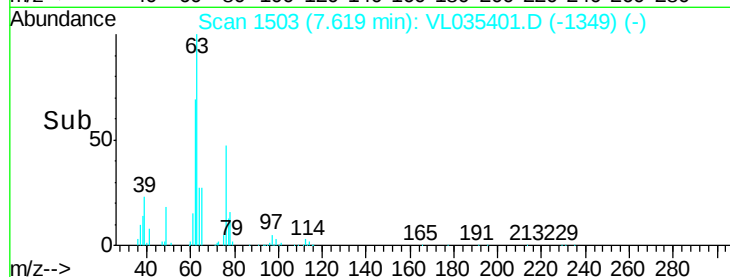
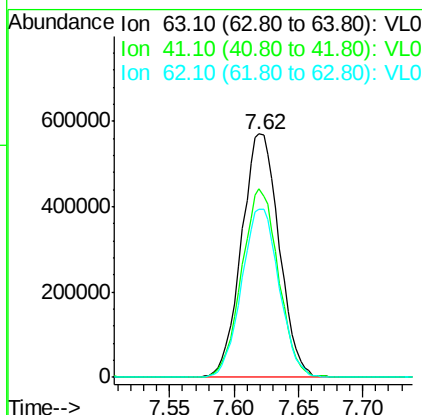
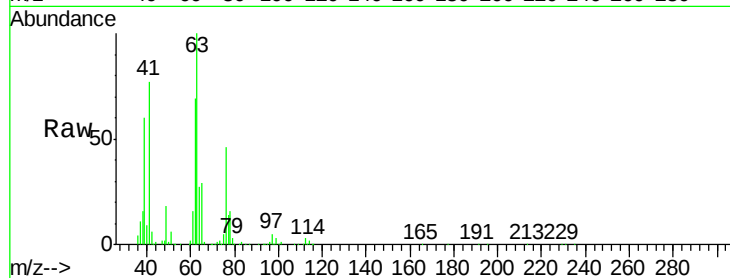
#39
 1,2-Dichloropropane
 Concen: 9.155 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	77.2	57.4	86.2
62	69.2	53.6	80.4

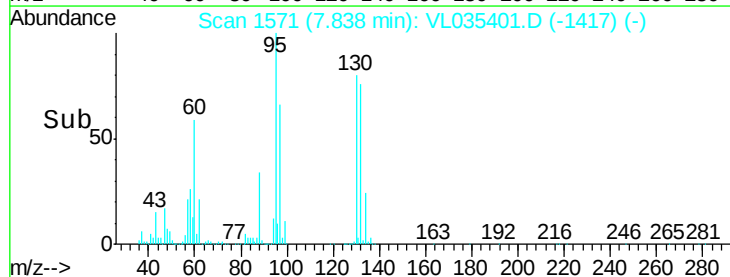
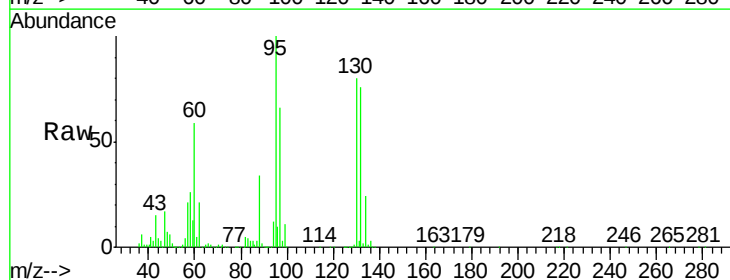
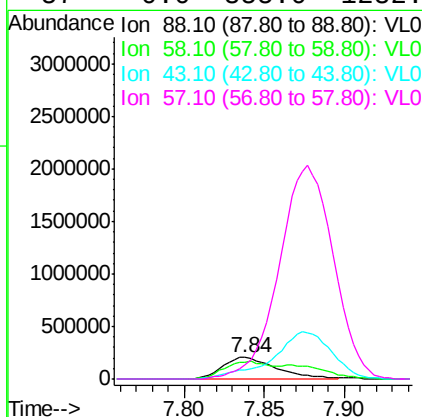
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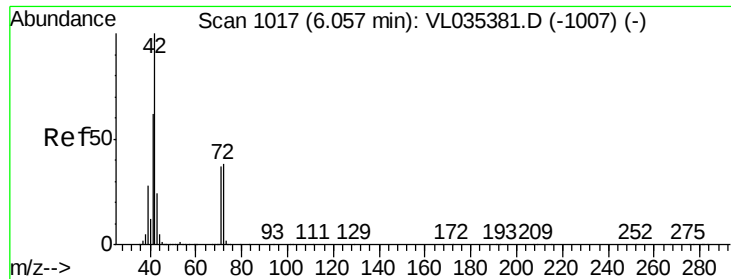
MMDadoda
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#40
 1,4-Dioxane
 Concen: 9.013 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Tgt Ion	Ratio	Lower	Upper
88	100		
58	128.4	105.0	157.6
43	0.0	204.2	306.2#
57	0.0	855.0	1282.4#





#41

Tetrahydrofuran

Concen: 9.021 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Tot Ion:	42	Resp:	1278088
Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.2	45.2
71	37.4	28.6	42.8

Instrument :

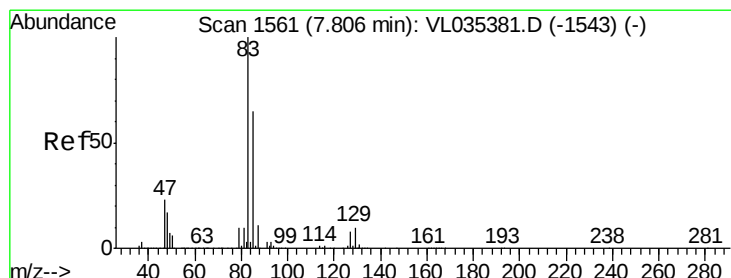
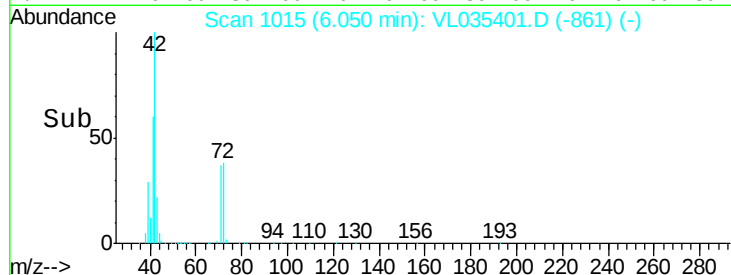
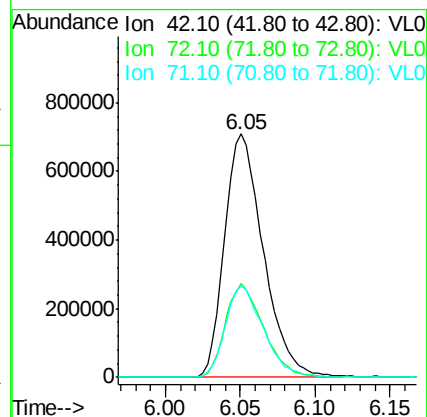
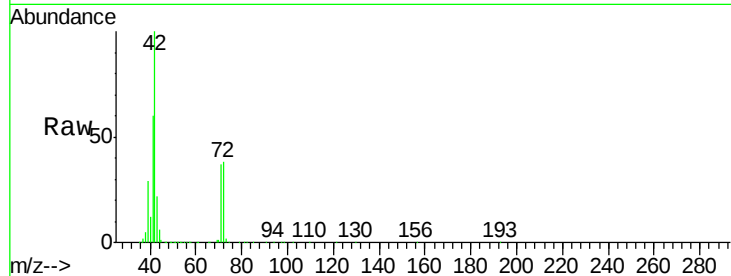
MSVOA_L

ClientSampleId :

VL0813ABS01

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#42

Bromodichloromethane

Concen: 9.550 ppbv

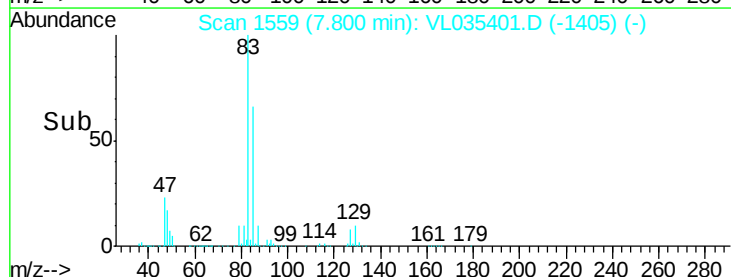
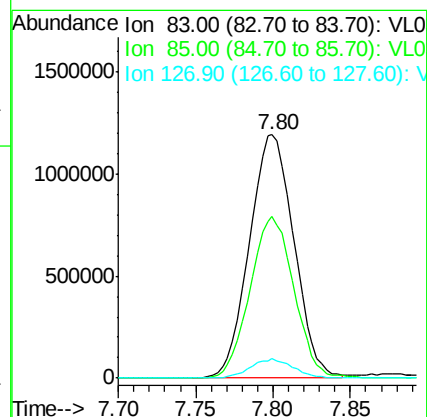
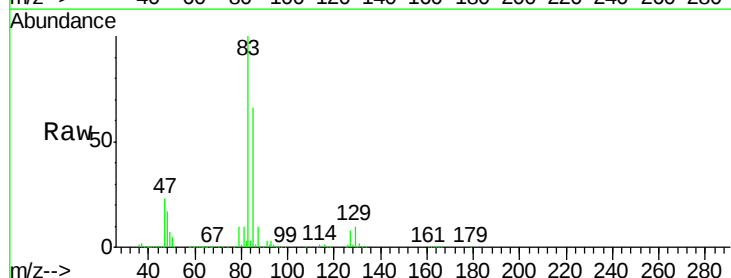
RT: 7.80 min Scan# 1559

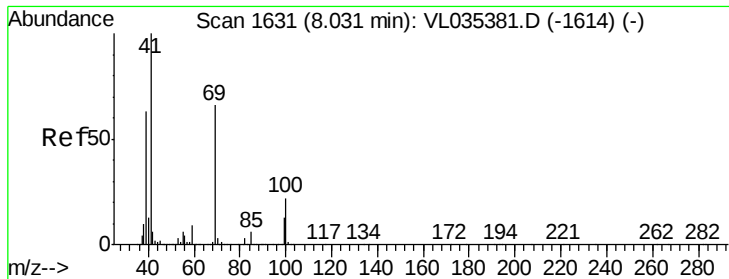
Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Tgt Ion:	83	Resp:	2386169
Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.2	78.4
127	7.9	6.3	9.5





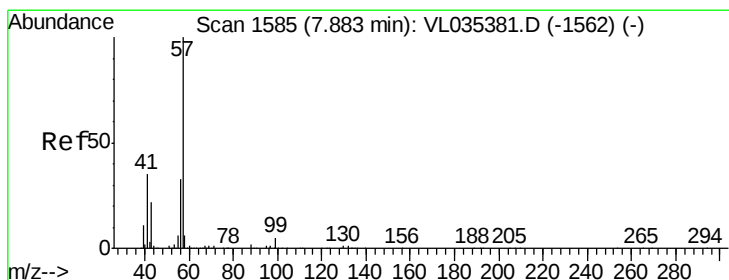
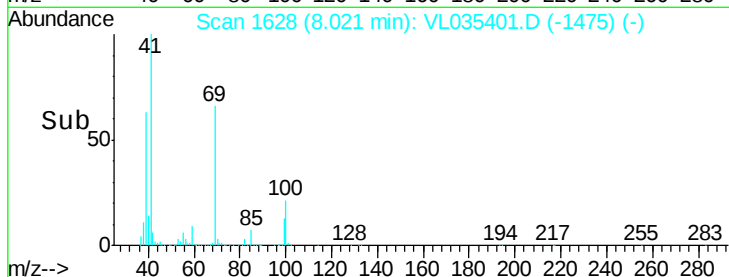
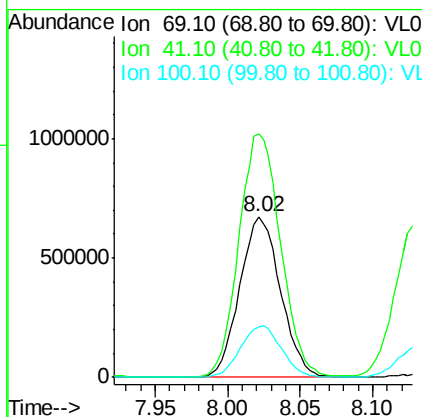
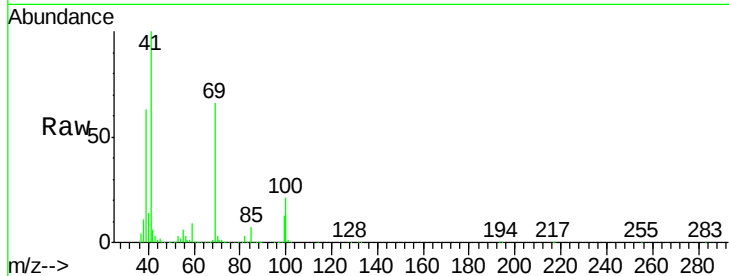
#43
Methvl Methacrilate
Concen: 9.286 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion: 69 Resp: 1316394
Ion Ratio Lower Upper
69 100
41 155.2 123.4 185.2
100 32.3 26.7 40.1

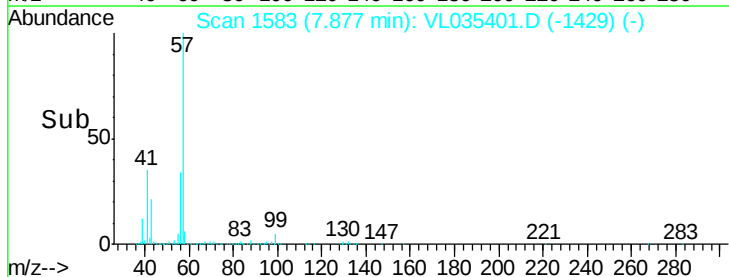
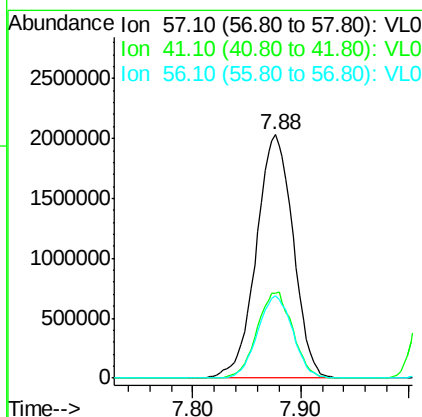
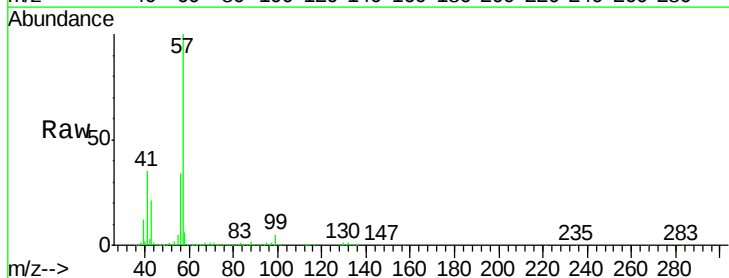
Manual Integrations
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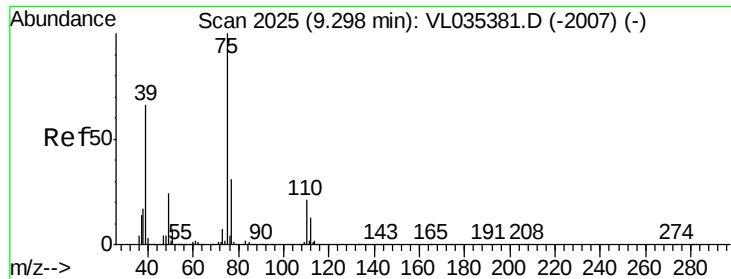
MMDadoda
8/17/2020 9:10:55 PM



#44
2,2,4-Trimethylpentane
Concen: 8.754 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 57 Resp: 4812378
Ion Ratio Lower Upper
57 100
41 34.2 26.9 40.3
56 32.2 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 9.516 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 75 Resp: 1565323

Ion Ratio Lower Upper

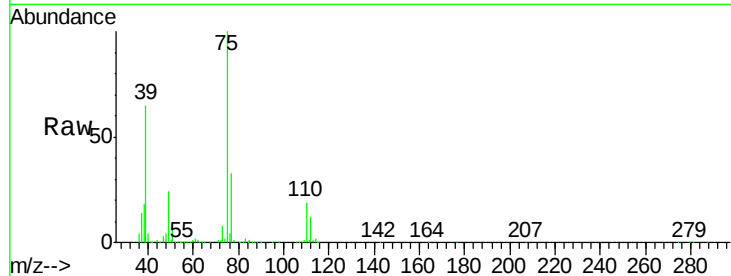
75 100

77 33.5 25.2 37.8

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.29

800000

600000

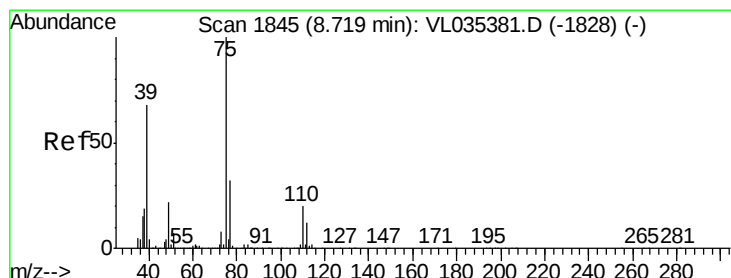
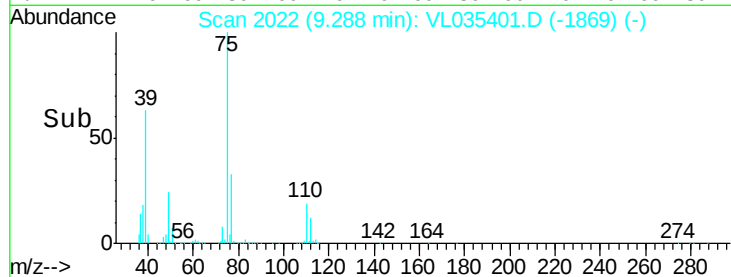
400000

200000

0

9.20 9.25 9.30 9.35 9.40

Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.264 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

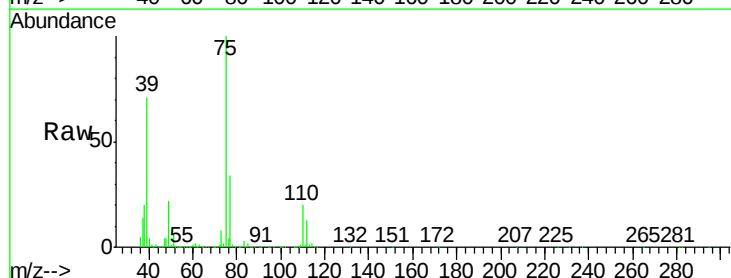
Tgt Ion: 75 Resp: 1779678

Ion Ratio Lower Upper

75 100

39 70.8 54.2 81.2

77 33.4 25.7 38.5



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

1200000

1000000

800000

600000

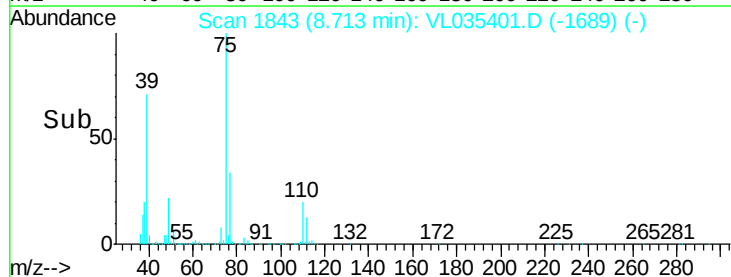
400000

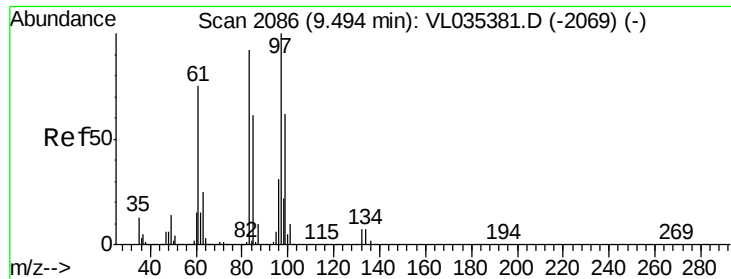
200000

0

8.65 8.70 8.75 8.80

Time-->





#47

1,1,2-Trichloroethane

Concen: 9.318 ppbv

RT: 9.48 min Scan# 2083

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 97 Resp: 1195878

Ion Ratio Lower Upper

97 100

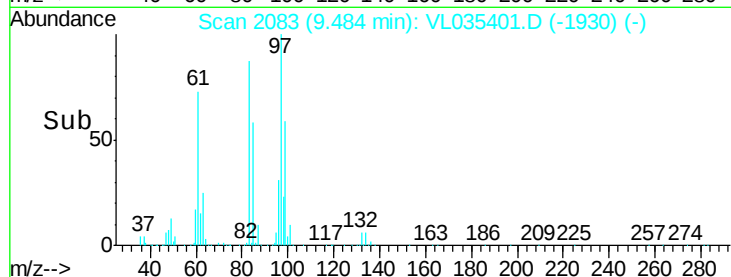
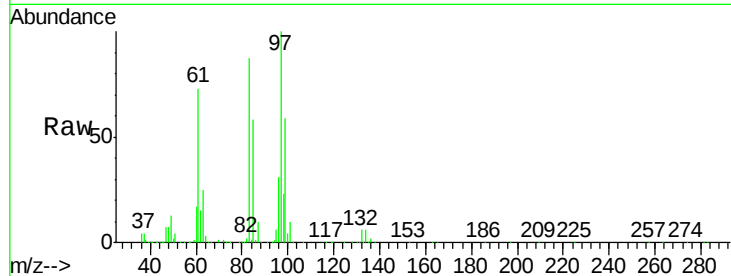
83 86.9 73.9 110.9

85 58.4 49.0 73.6

99 59.4 49.9 74.9

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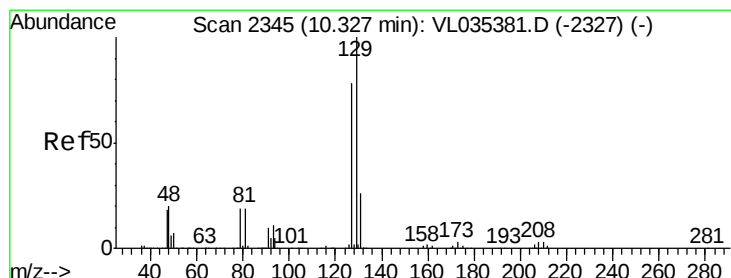
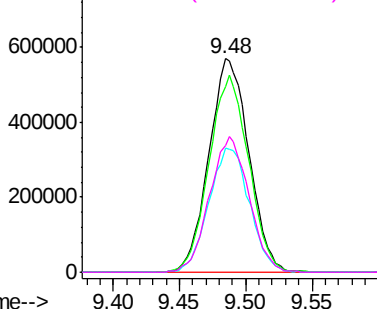


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.389 ppbv

RT: 10.32 min Scan# 2342

Delta R.T. -0.01 min

Lab File: VL035401.D

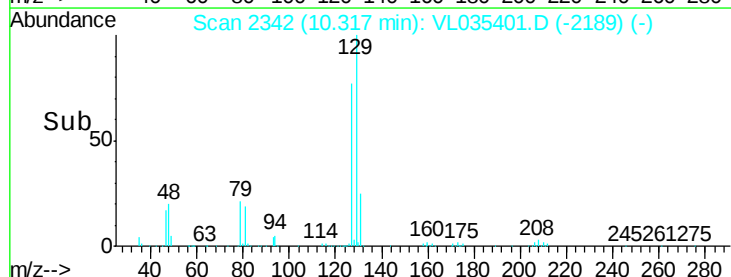
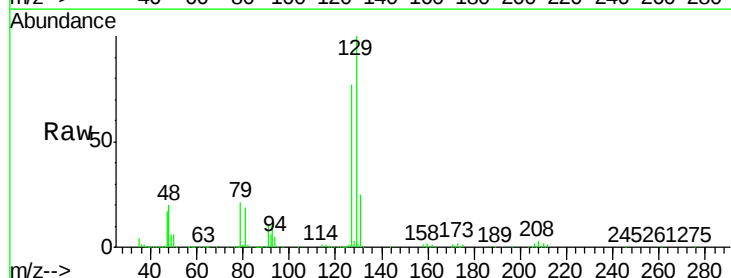
Acq: 13 Aug 2020 11:34

Tgt Ion: 129 Resp: 1925909

Ion Ratio Lower Upper

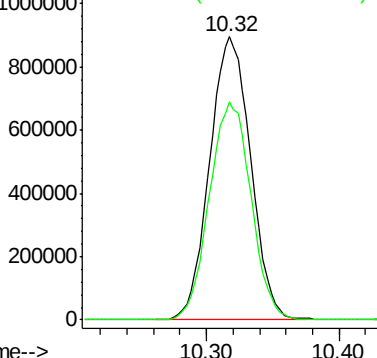
129 100

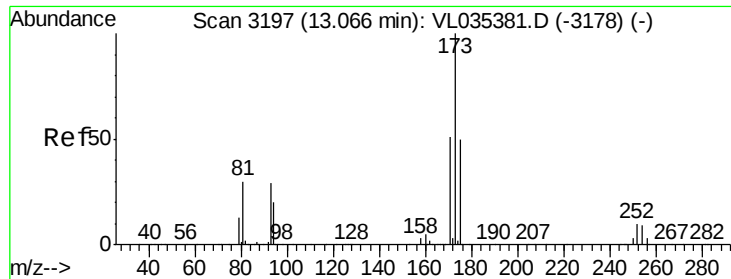
127 78.3 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.457 ppbv

RT: 13.06 min Scan# 3194

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion:173 Resp: 1590378

Ion Ratio Lower Upper

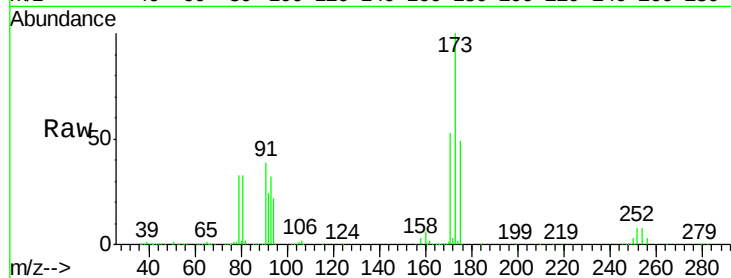
173 100

175 49.7 39.9 59.9

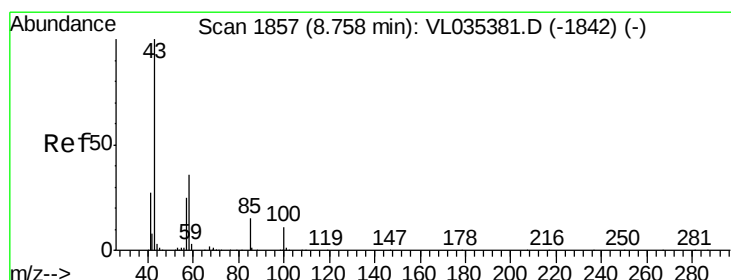
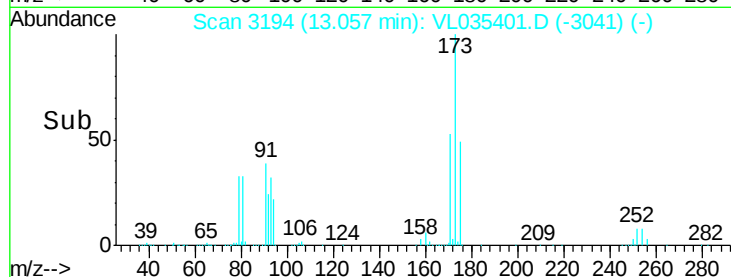
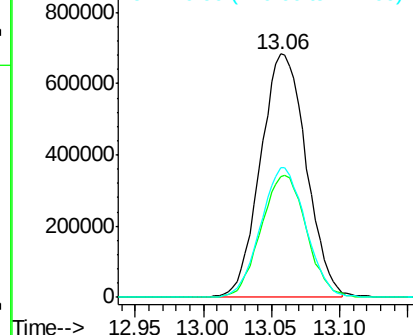
171 52.6 41.8 62.8

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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: 8.916 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VL035401.D

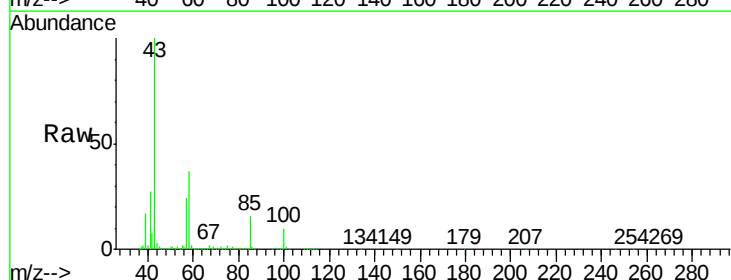
Acq: 13 Aug 2020 11:34

Tgt Ion: 43 Resp: 3191128

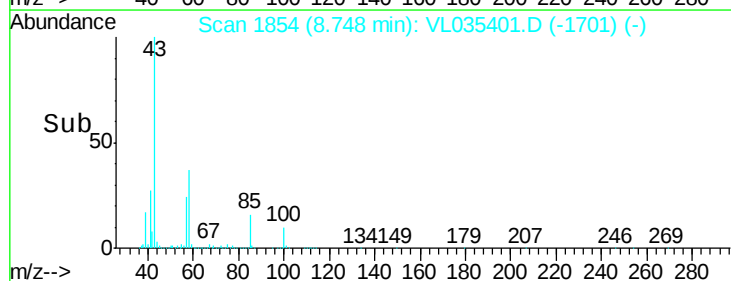
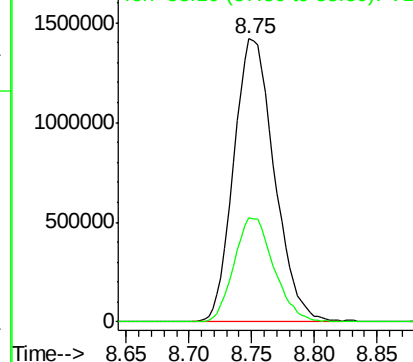
Ion Ratio Lower Upper

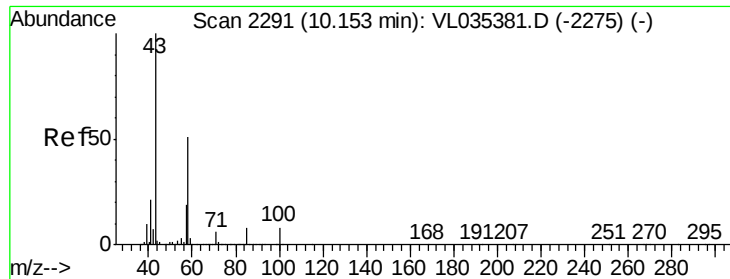
43 100

58 36.2 29.0 43.6



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





#51

2-Hexanone

Concen: 9.092 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 43 Resp: 2739630

Ion Ratio Lower Upper

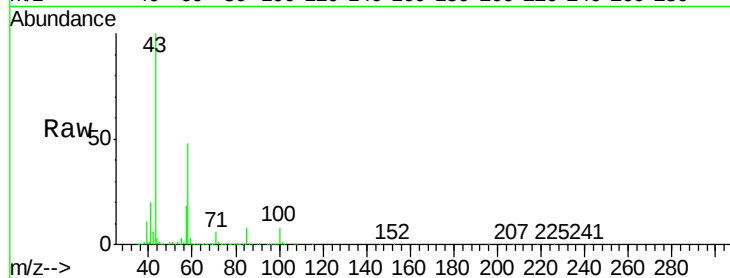
43 100

58 48.8 39.5 59.3

98 0.1 0.1 0.1

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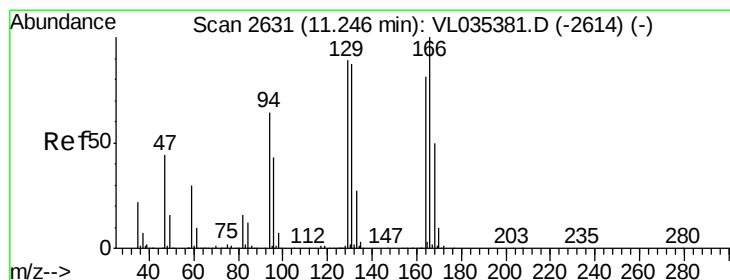
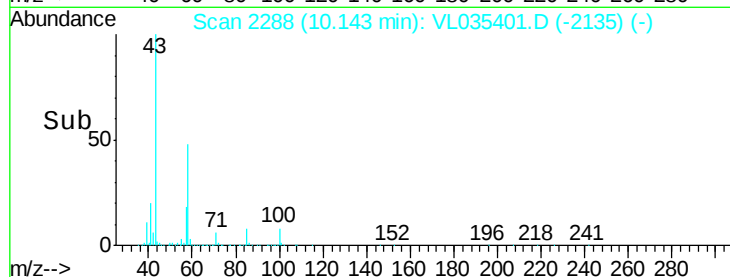
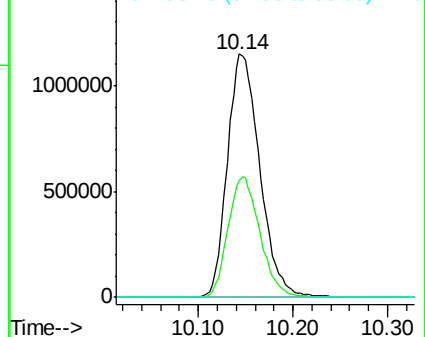


Abundance

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: 8.123 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Tgt Ion: 164 Resp: 920456

Ion Ratio Lower Upper

164 100

166 128.7 98.2 147.2

129 118.0 87.3 130.9

131 113.5 85.7 128.5

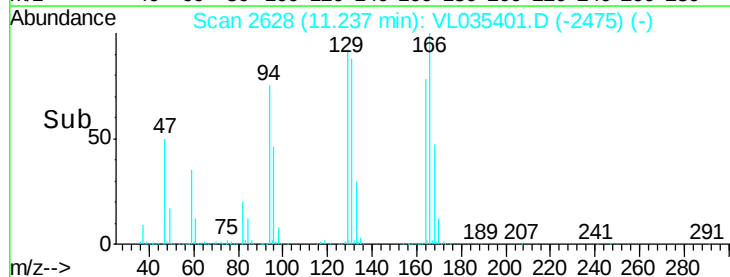
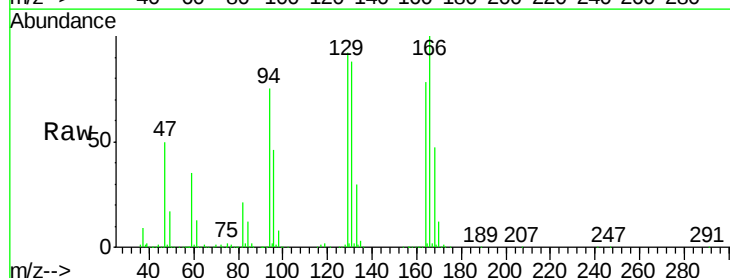
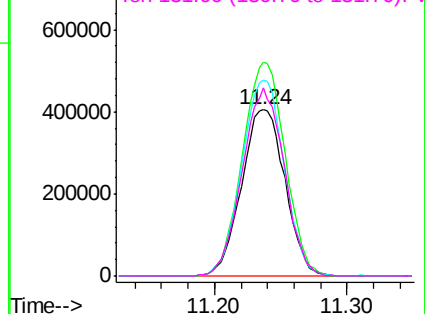
Abundance

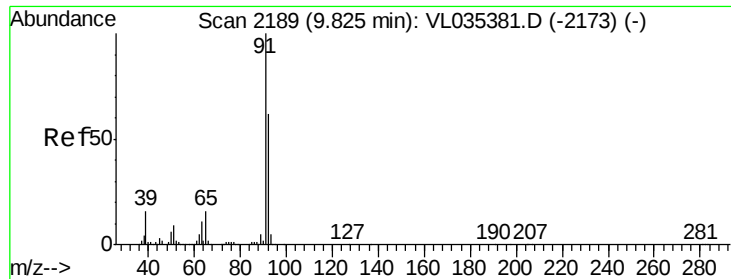
Ion 163.90 (163.60 to 164.60): V

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: 8.903 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 91 Resp: 3377102

Ion Ratio Lower Upper

91 100

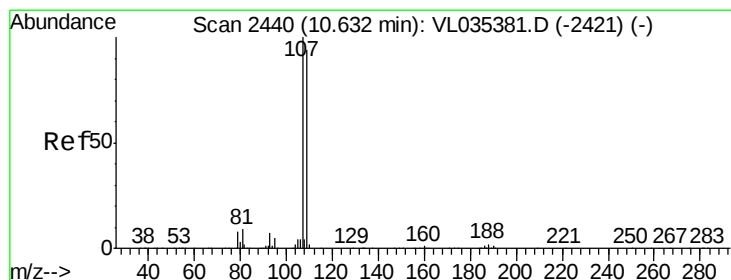
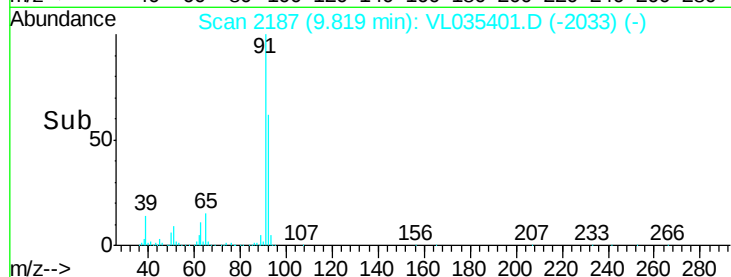
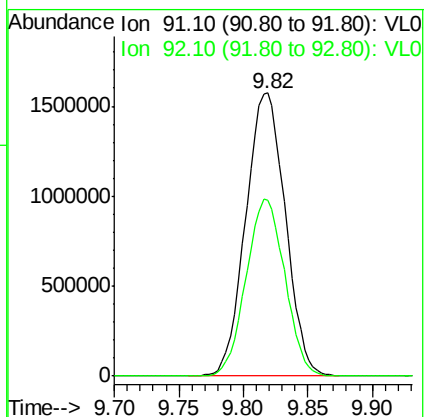
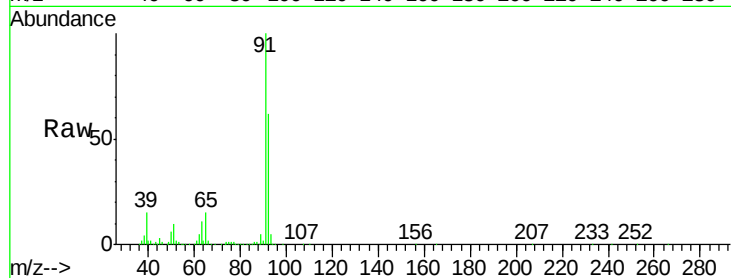
92 61.1 49.1 73.7

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#54

1,2-Dibromoethane

Concen: 9.148 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL035401.D

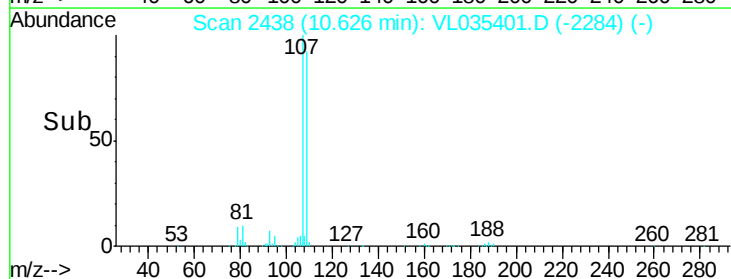
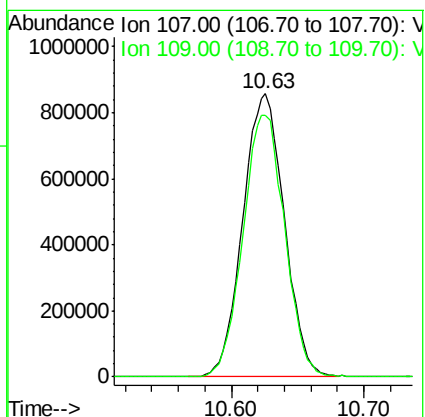
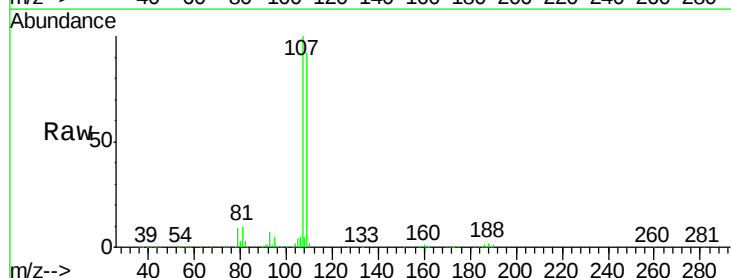
Acq: 13 Aug 2020 11:34

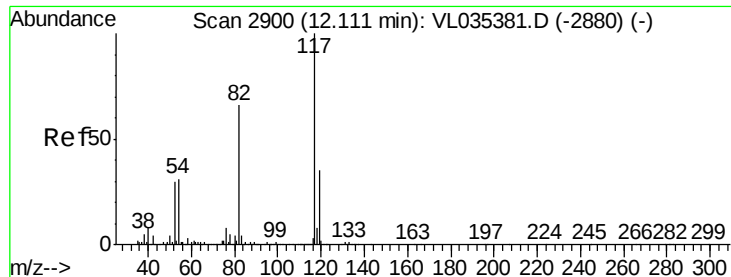
Tgt Ion: 107 Resp: 1859446

Ion Ratio Lower Upper

107 100

109 92.4 75.2 112.8





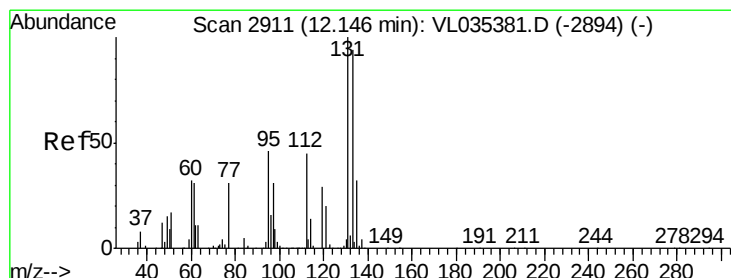
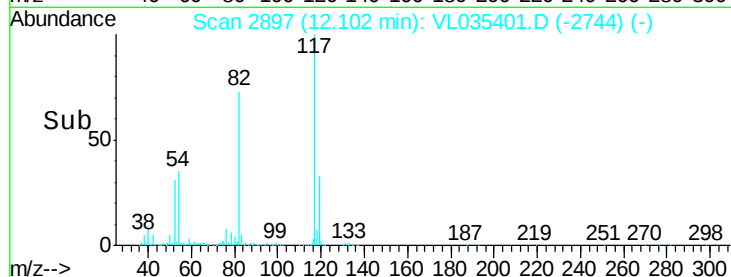
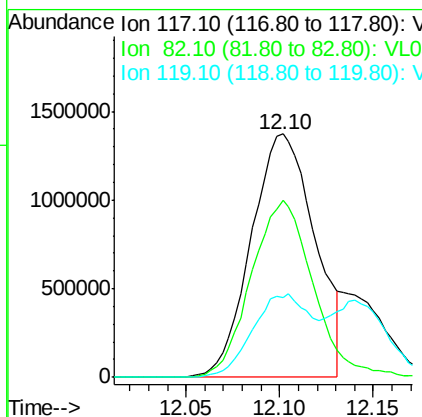
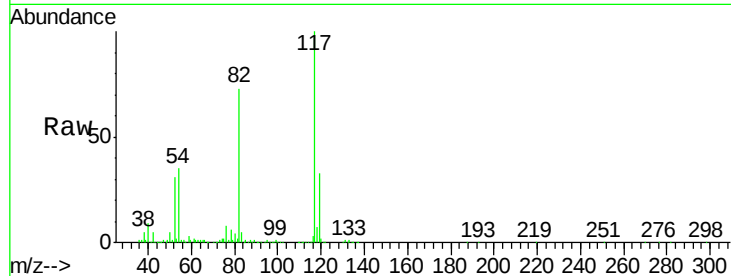
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.2	53.0	79.6
119	31.3	25.7	38.5

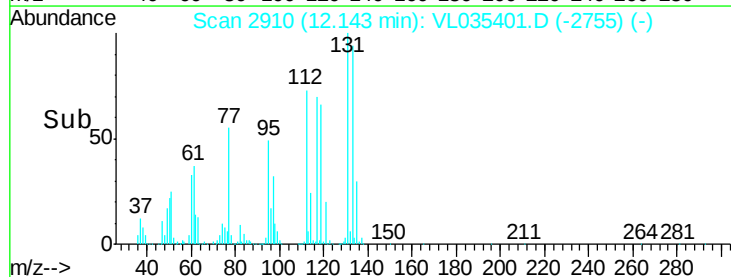
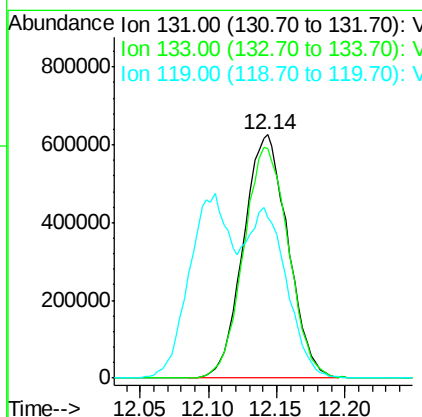
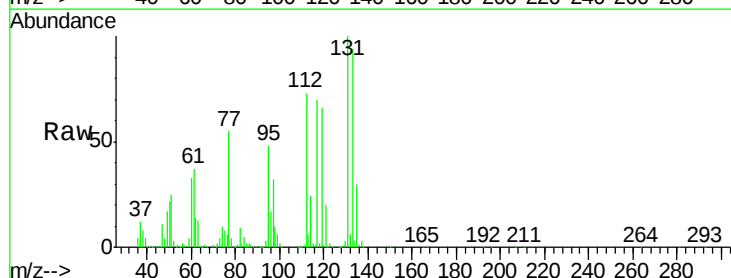
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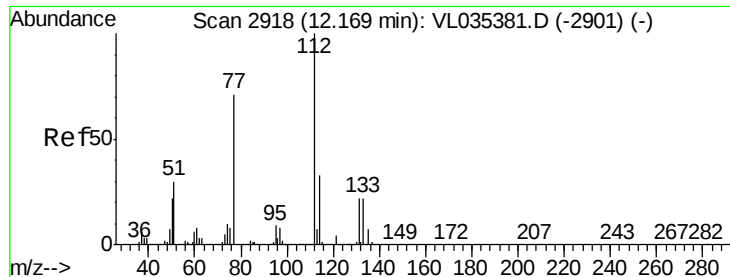
MMDadoda
8/17/2020 9:10:55 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 8.969 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	76.1	114.1
119	65.2	47.0	70.4





#57

Chlorobenzene

Concen: 8.792 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 112 Resp: 2432989

Ion Ratio Lower Upper

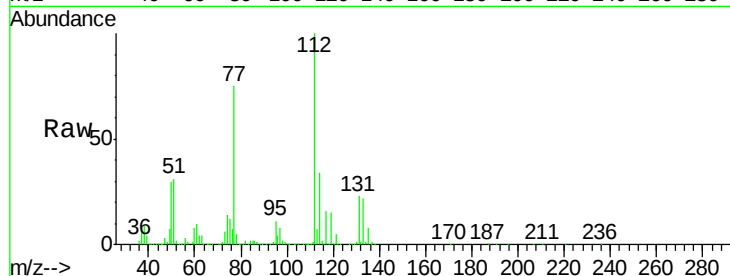
112 100

77 74.8 57.6 86.4

114 33.5 30.0 36.6

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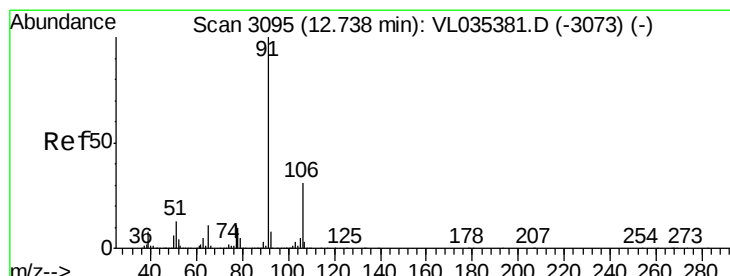
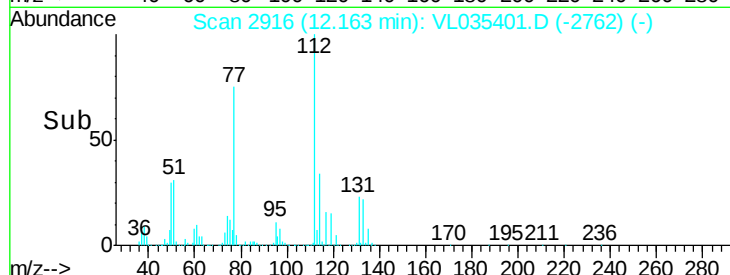
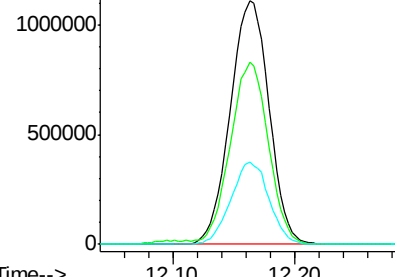
MMDadoda
8/17/2020 9:10:55 PM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.978 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. -0.01 min

Lab File: VL035401.D

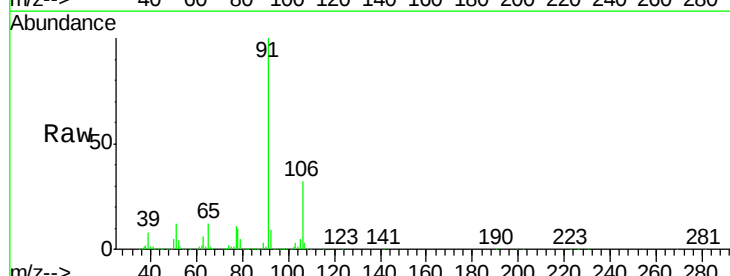
Acq: 13 Aug 2020 11:34

Tgt Ion: 91 Resp: 4606518

Ion Ratio Lower Upper

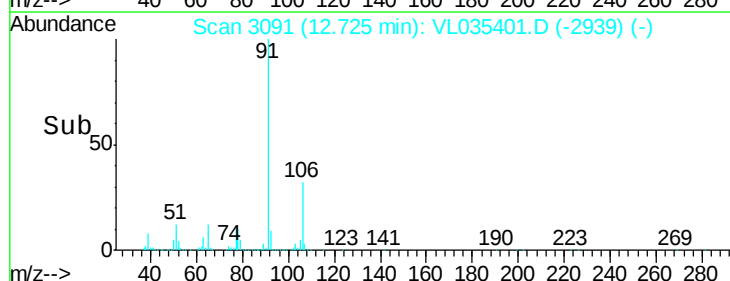
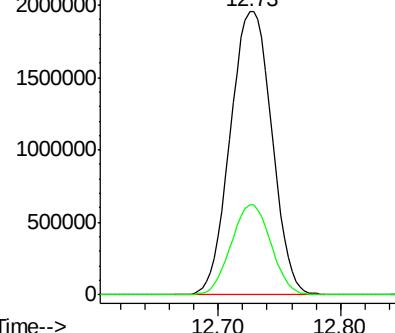
91 100

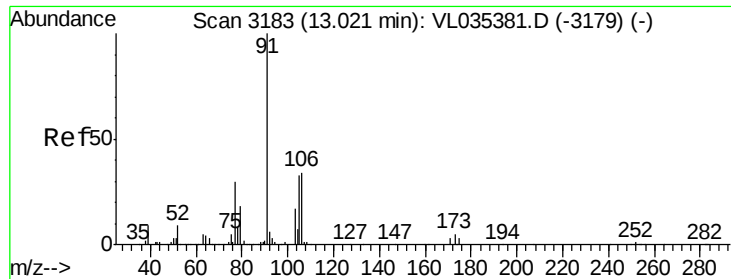
106 32.0 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





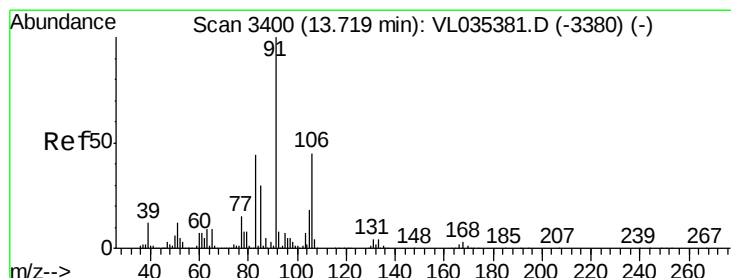
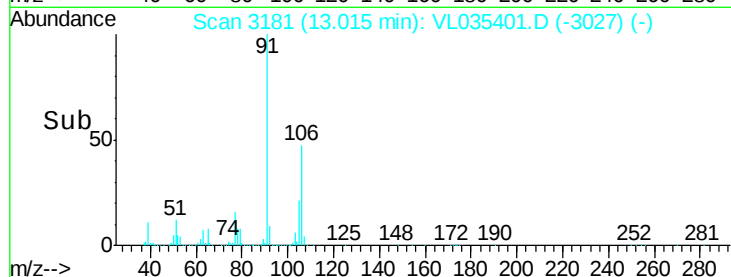
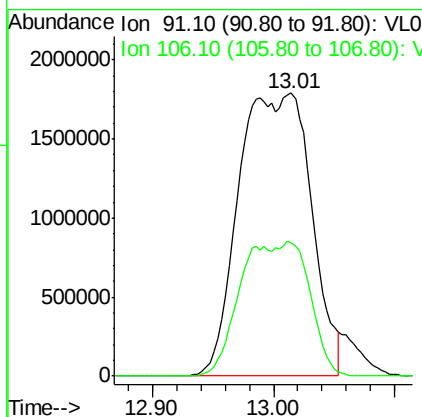
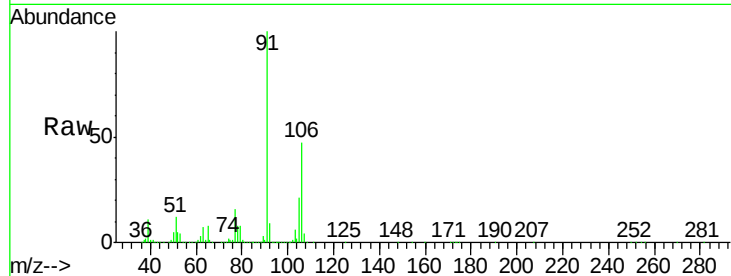
#59
m/p-Xylene
Concen: 17.334 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion: 91 Resp: 7416460
Ion Ratio Lower Upper
91 100
106 45.4 36.7 55.1

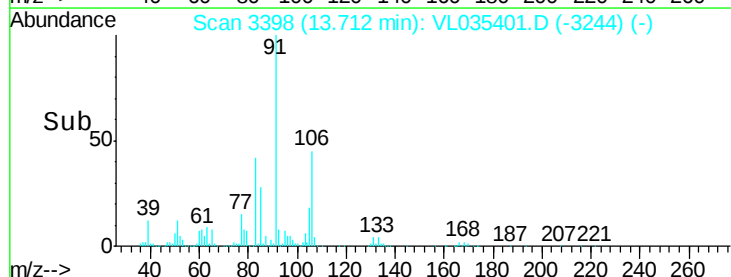
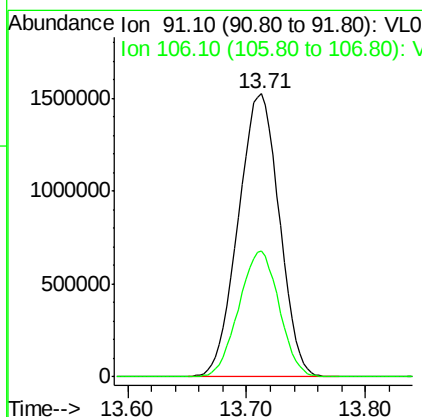
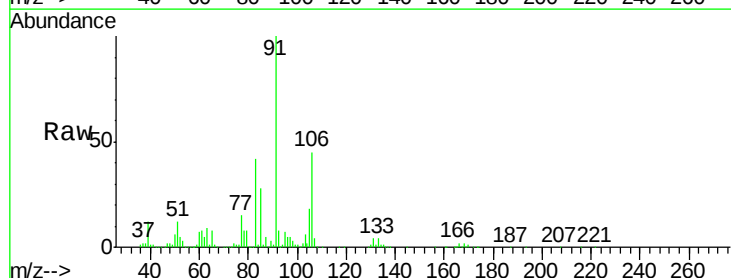
Manual Integrations
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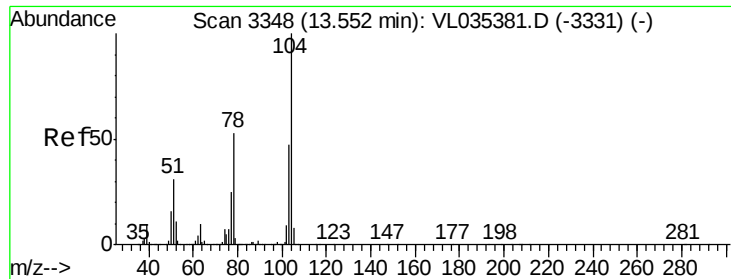
MMDadoda
8/17/2020 9:10:55 PM



#60
o-Xylene
Concen: 8.773 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 91 Resp: 3634692
Ion Ratio Lower Upper
91 100
106 43.7 22.2 66.6





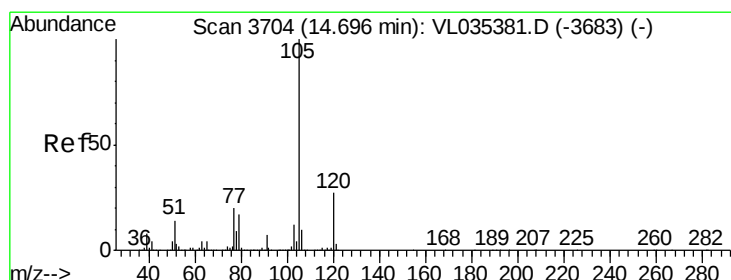
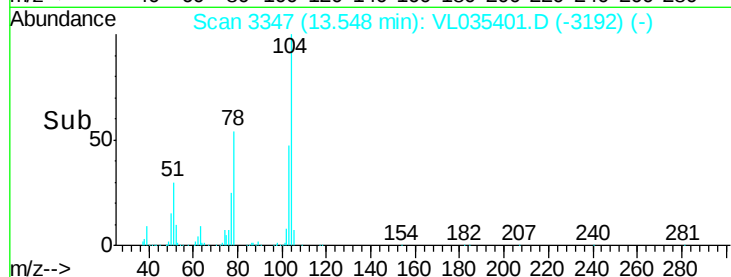
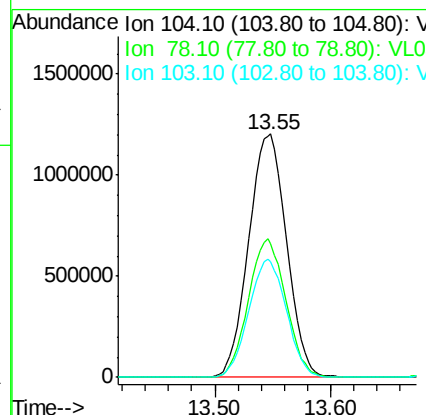
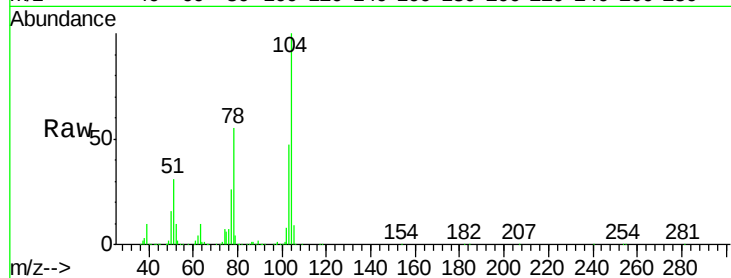
#61
Stvrene
Concen: 8.941 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.4	43.0	64.4
103	48.3	37.9	56.9

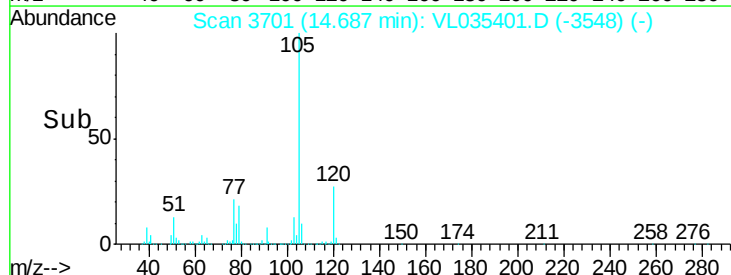
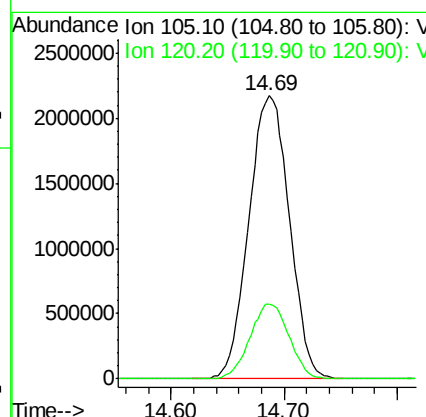
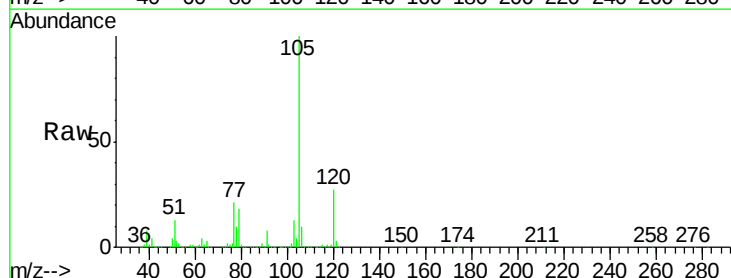
Manual Integrations
APPROVED

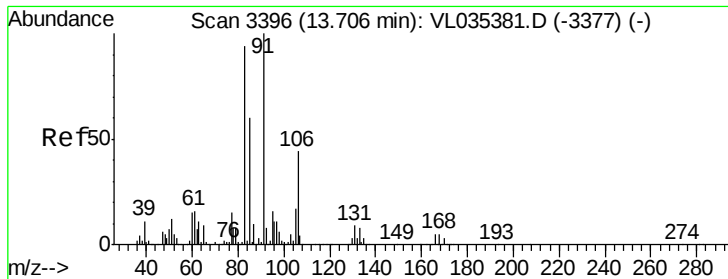
MMDadoda
8/17/2020 9:10:55 PM



#62
Isopropylbenzene
Concen: 8.717 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	21.1	31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 8.626 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion: 83 Resp: 2606681

Ion Ratio Lower Upper

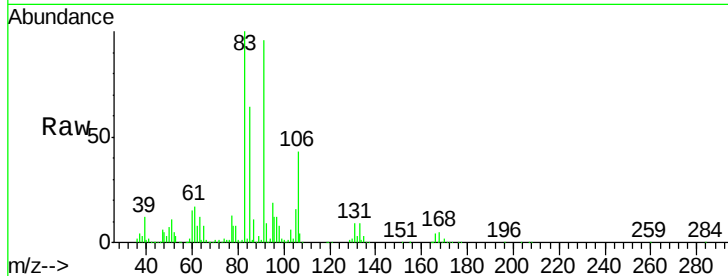
83 100

131 8.8 4.5 13.7

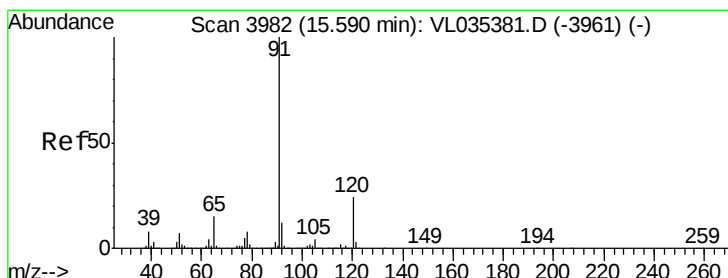
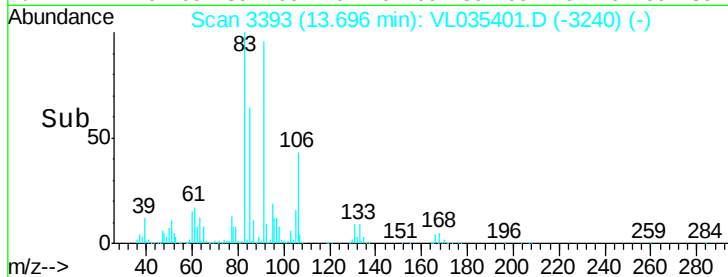
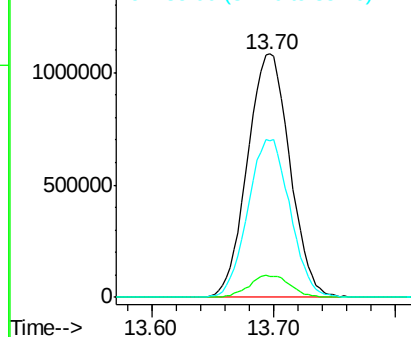
85 64.6 32.4 97.0

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APPROVED

MMDadoda
8/17/2020 9:10:55 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.853 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. -0.01 min

Lab File: VL035401.D

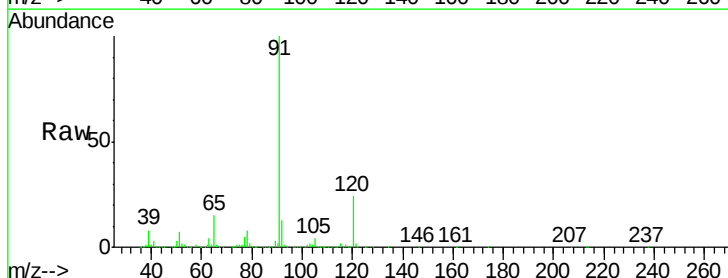
Acq: 13 Aug 2020 11:34

Tgt Ion:120 Resp: 1451286

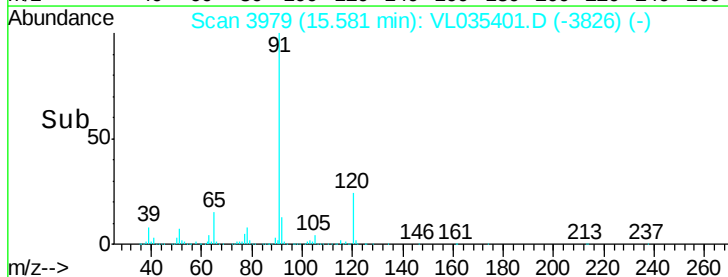
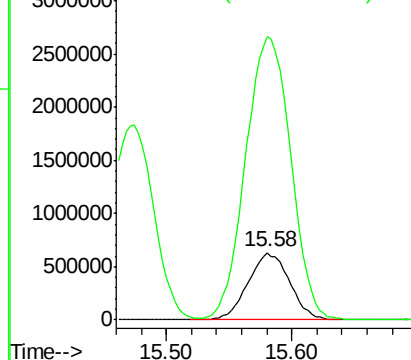
Ion Ratio Lower Upper

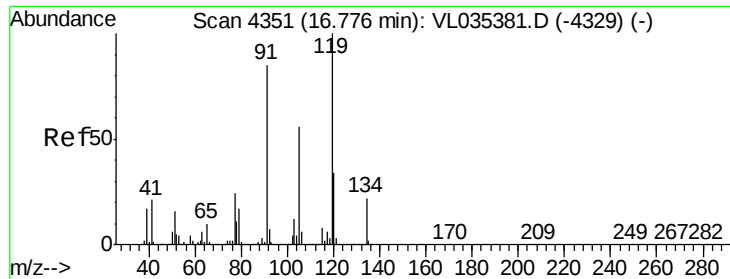
120 100

91 460.7 356.2 534.4



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.384 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion:119 Resp: 4586998

Ion Ratio Lower Upper

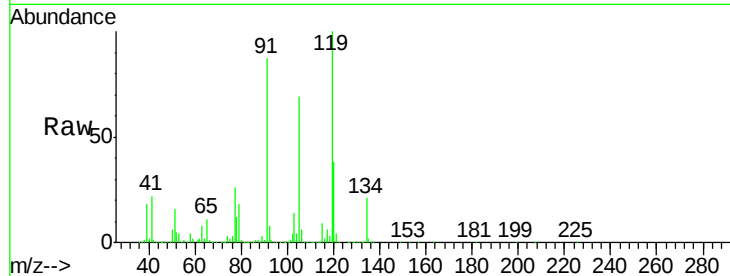
119 100

91 89.3 68.2 102.4

134 20.0 16.2 24.4

Manual Integrations
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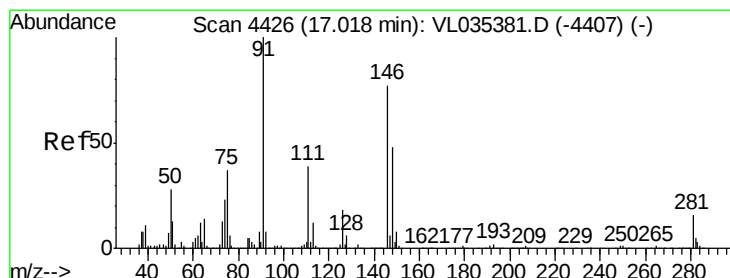
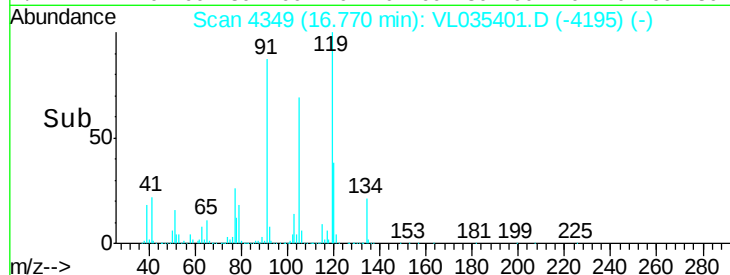
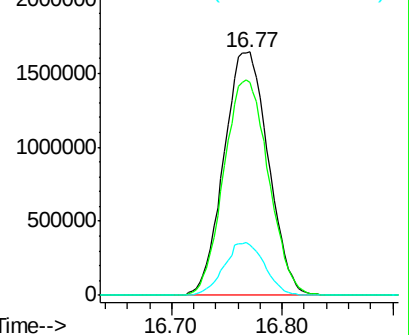
MMDadoda
8/17/2020 9:10:55 PM



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: 8.503 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

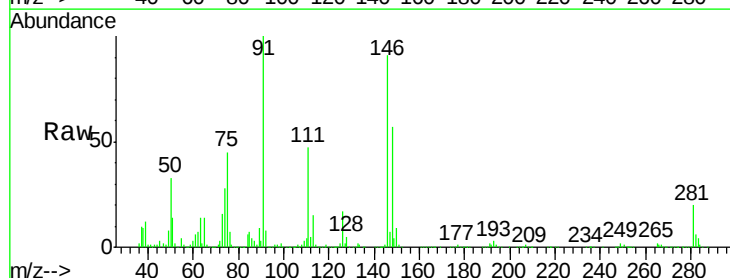
Tgt Ion: 91 Resp: 2100926

Ion Ratio Lower Upper

91 100

126 16.8 14.4 21.6

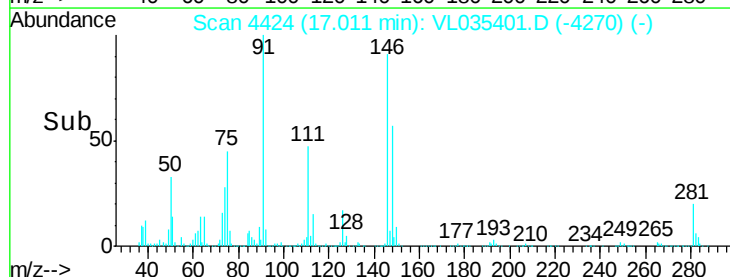
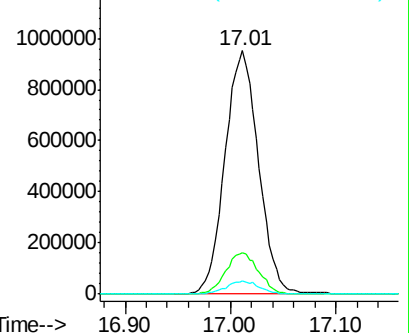
128 5.3 4.6 7.0

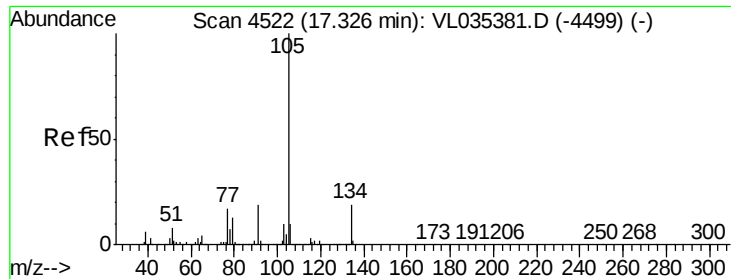


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





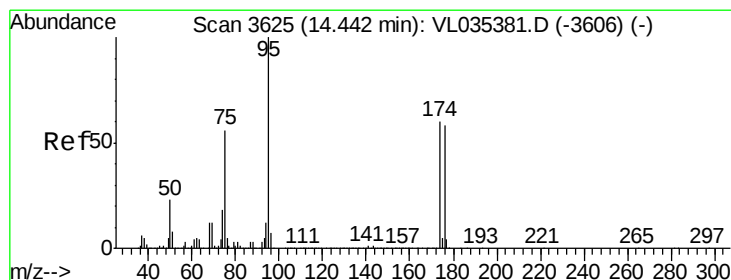
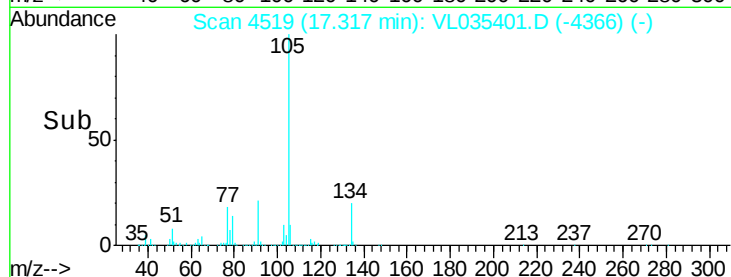
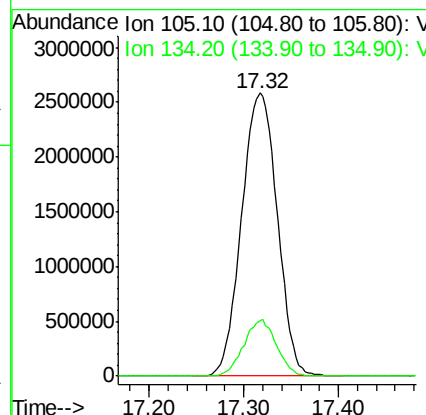
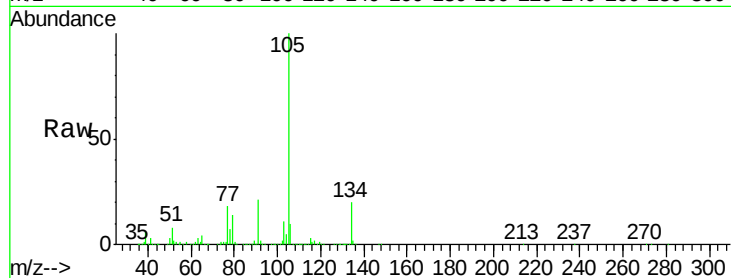
#67
 sec-Butylbenzene
 Concen: 8.579 ppbv
 RT: 17.32 min Scan# 4519
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion: 105 Resp: 6766346
 Ion Ratio Lower Upper
 105 100
 134 18.3 15.0 22.6

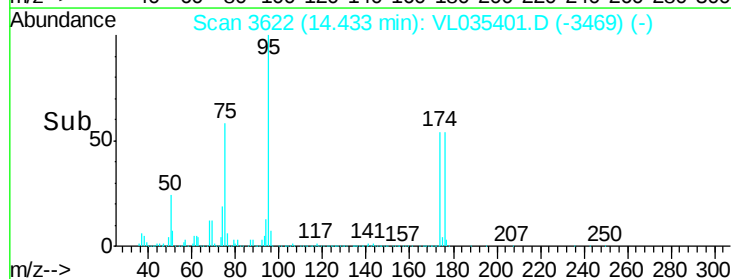
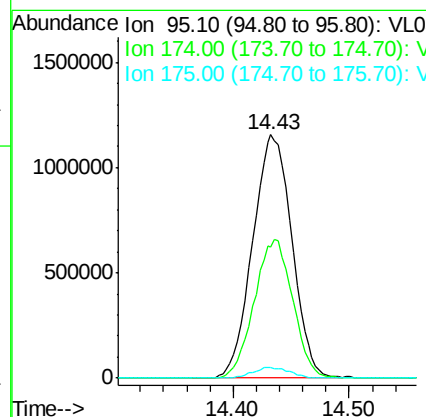
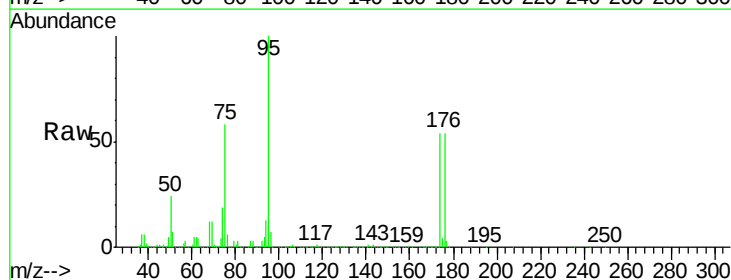
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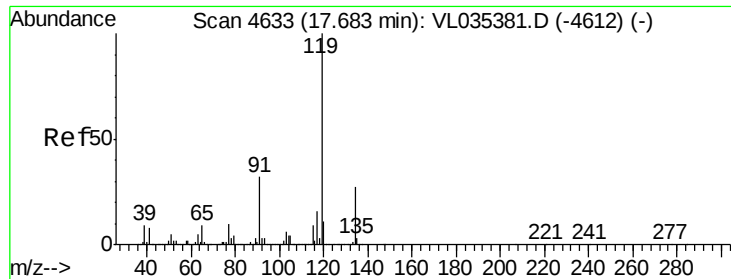
MMDadoda
 8/17/2020 9:10:55 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.395 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Tgt Ion: 95 Resp: 2724657
 Ion Ratio Lower Upper
 95 100
 174 55.8 48.2 72.2
 175 4.2 3.7 5.5





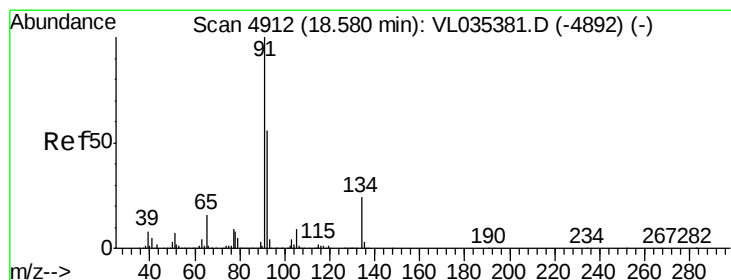
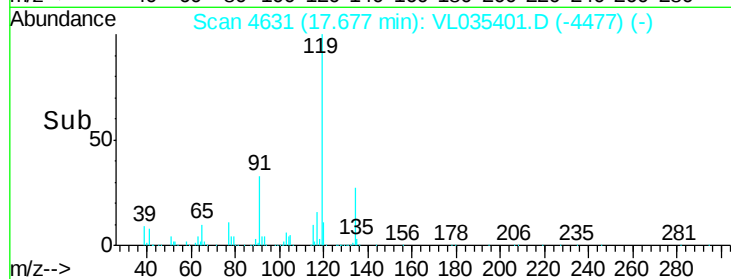
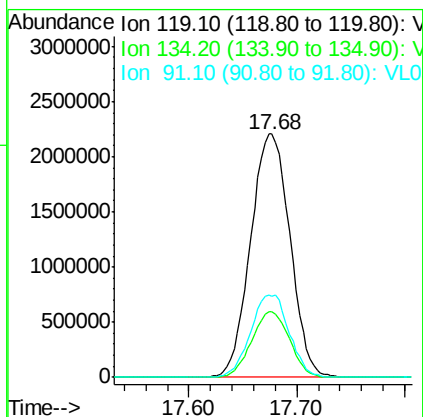
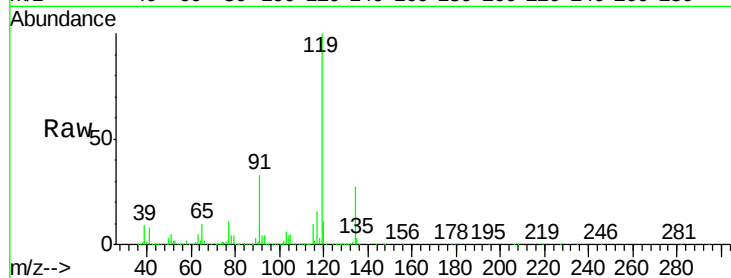
#69
 p-Isopropyltoluene
 Concen: 8.498 ppbv
 RT: 17.68 min Scan# 4631
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.9	31.3
91	33.5	25.3	37.9

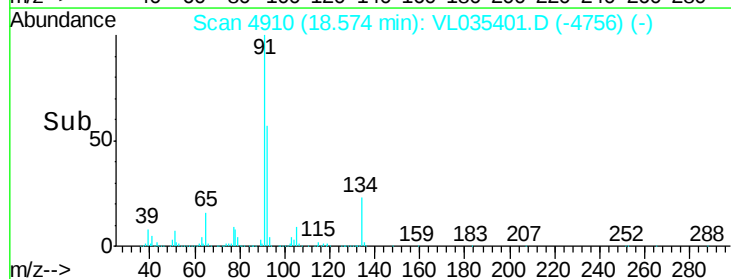
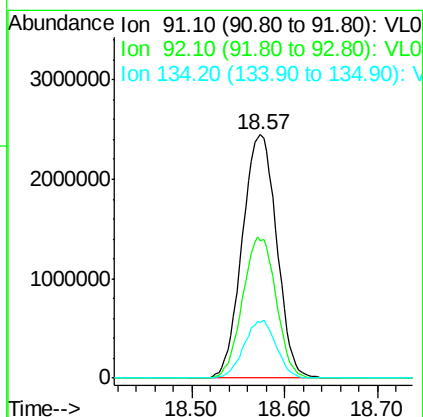
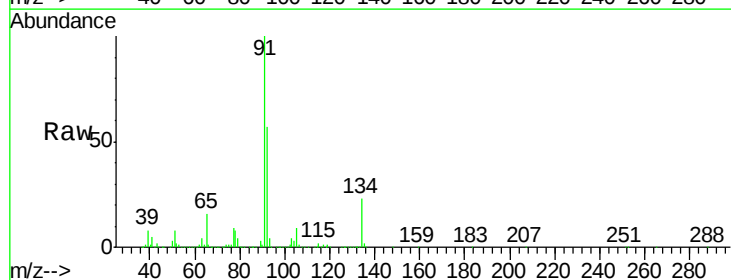
Manual Integrations
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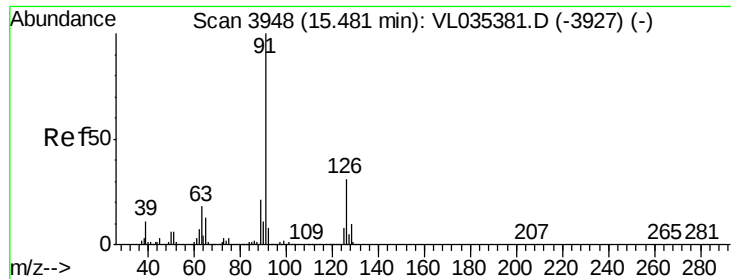
MMDadoda
 8/17/2020 9:10:55 PM



#70
 n-Butylbenzene
 Concen: 8.657 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.4	45.0	67.6
134	22.2	18.8	28.2





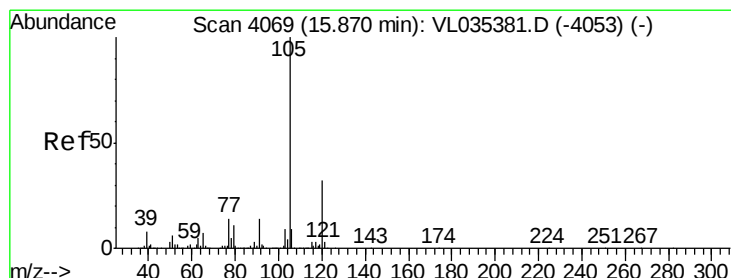
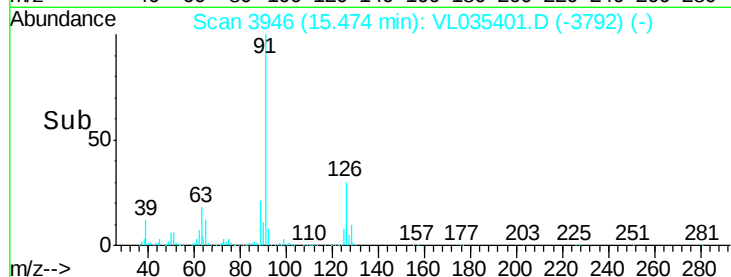
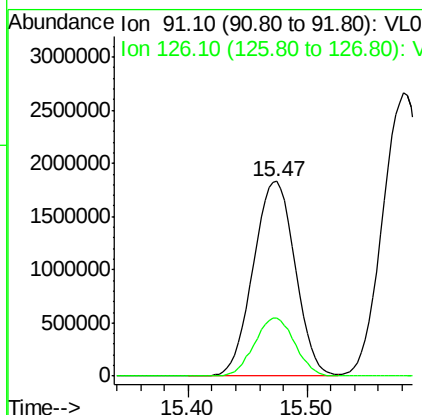
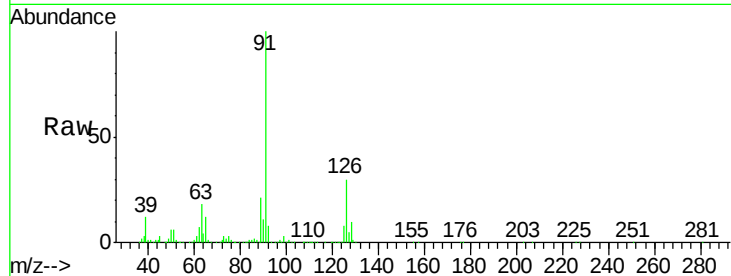
#71
 2-Chlorotoluene
 Concen: 8.917 ppbv
 RT: 15.47 min Scan# 3946
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion: 91 Resp: 4461042
 Ion Ratio Lower Upper
 91 100
 126 29.1 12.1 48.3

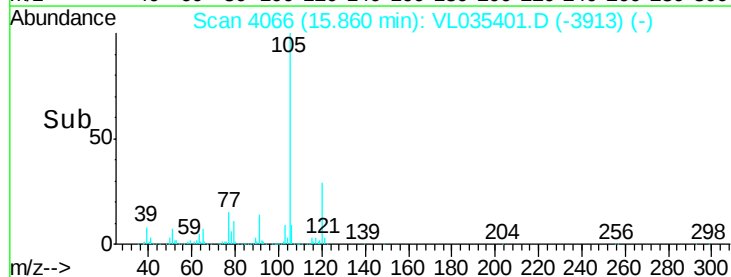
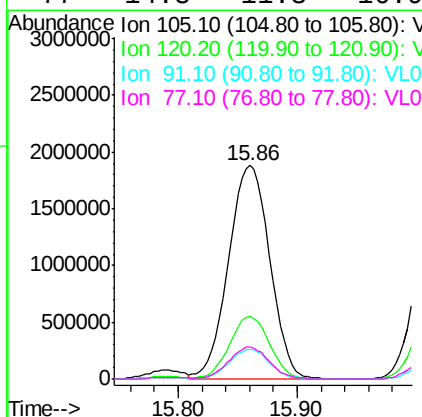
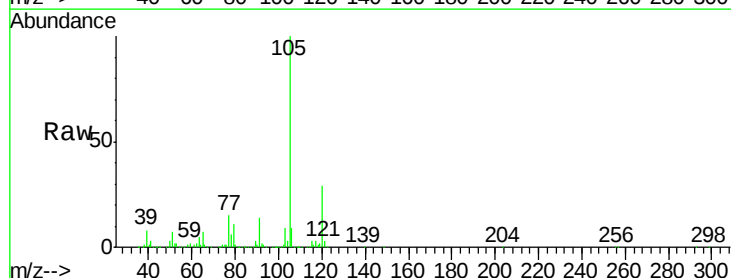
Manual Integrations
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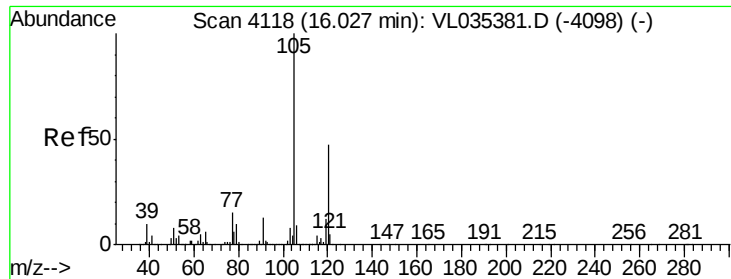
MMDadoda
 8/17/2020 9:10:55 PM



#72
 4-Ethyltoluene
 Concen: 8.922 ppbv
 RT: 15.86 min Scan# 4066
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Tgt Ion: 105 Resp: 4511603
 Ion Ratio Lower Upper
 105 100
 120 28.5 24.0 36.0
 91 13.4 10.4 15.6
 77 14.8 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 8.863 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion:105 Resp: 4202569

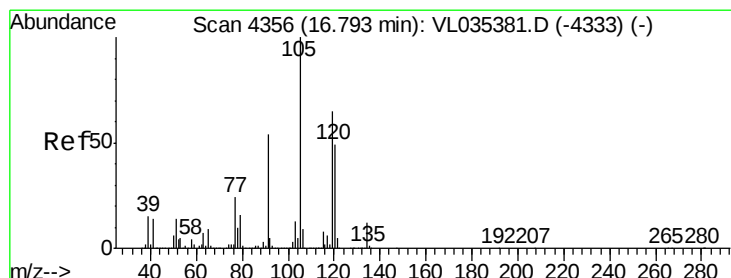
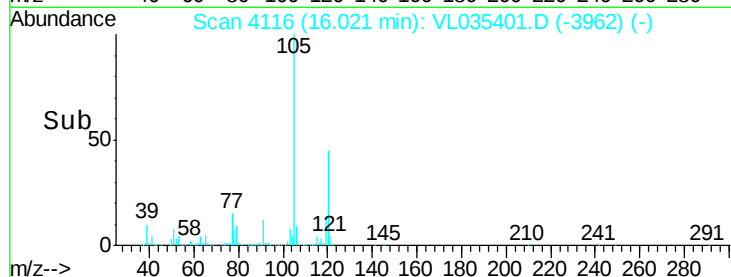
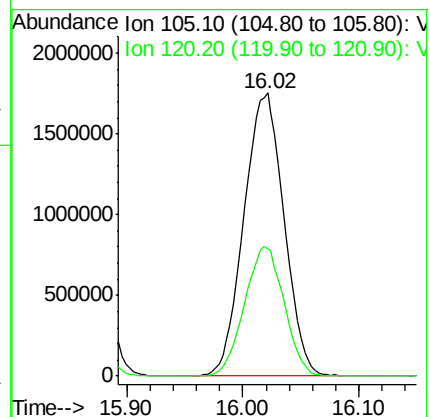
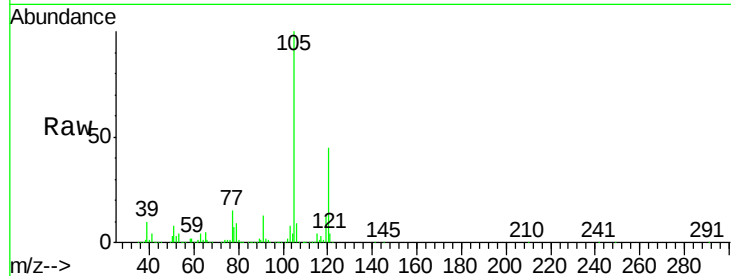
Ion Ratio Lower Upper

105 100

120 44.8 37.4 56.0

Manual Integrations
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8/17/2020 9:10:55 PM



#74

1,2,4-Trimethylbenzene

Concen: 8.475 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Tgt Ion:105 Resp: 4226468

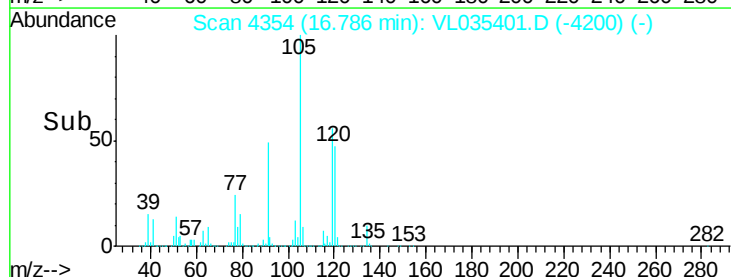
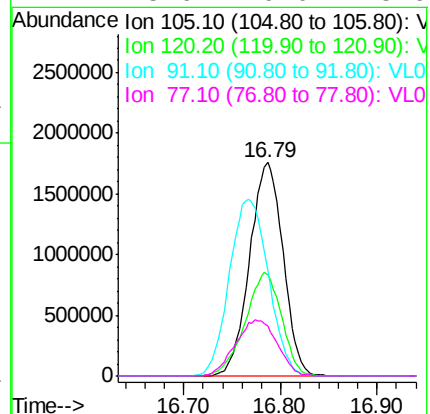
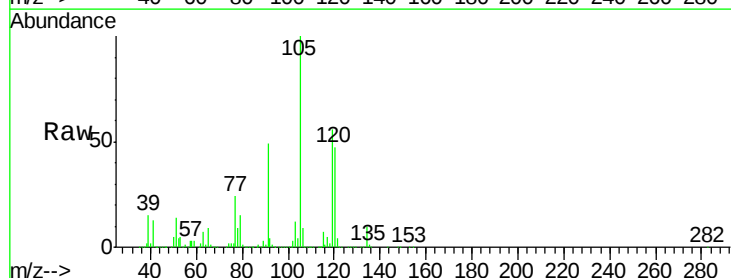
Ion Ratio Lower Upper

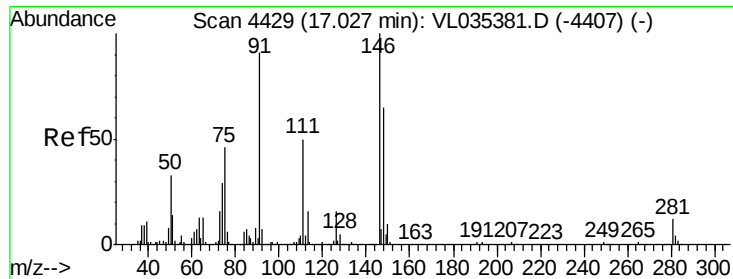
105 100

120 47.3 39.1 58.7

91 49.2 43.7 65.5

77 23.6 19.0 28.6





#75

1,3-Dichlorobenzene

Concen: 8.525 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion:146 Resp: 2320137

Ion Ratio Lower Upper

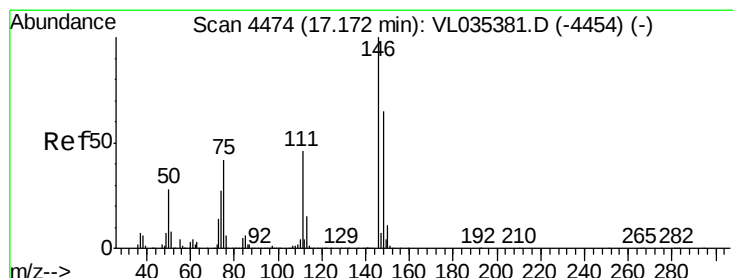
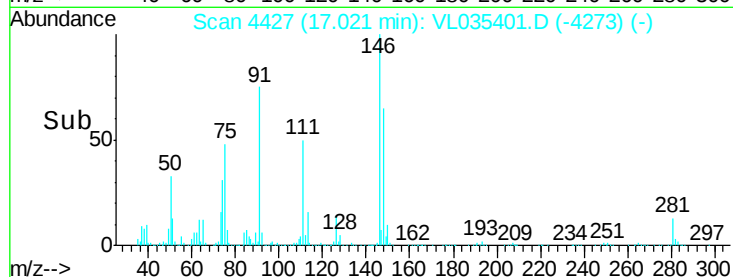
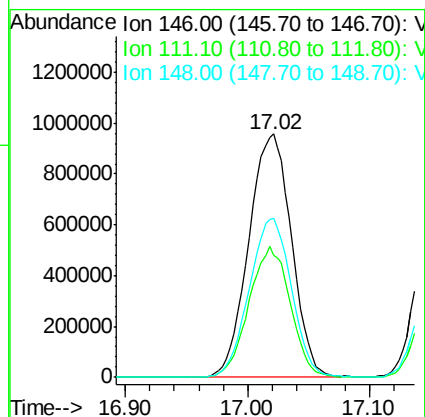
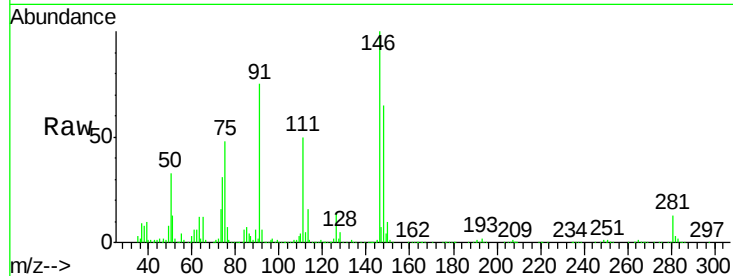
146 100

111 51.9 25.0 75.0

148 64.4 32.6 97.7

Manual Integrations
APPROVED

MMDadoda
8/17/2020 9:10:55 PM



#76

1,4-Dichlorobenzene

Concen: 8.669 ppbv

RT: 17.16 min Scan# 4471

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

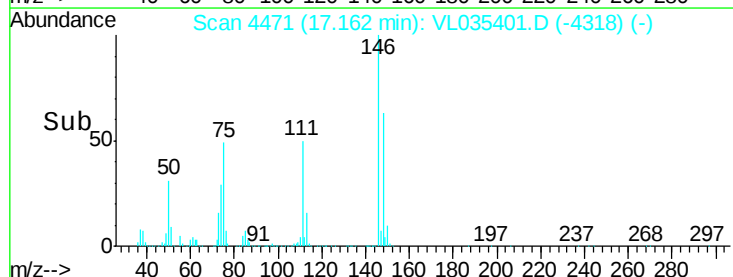
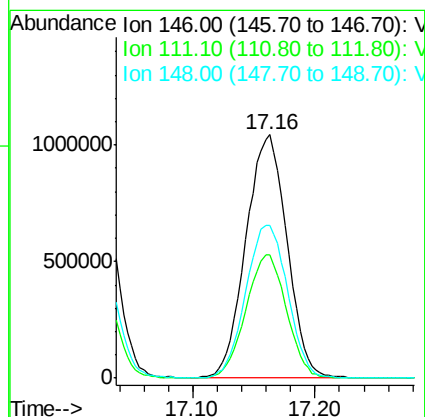
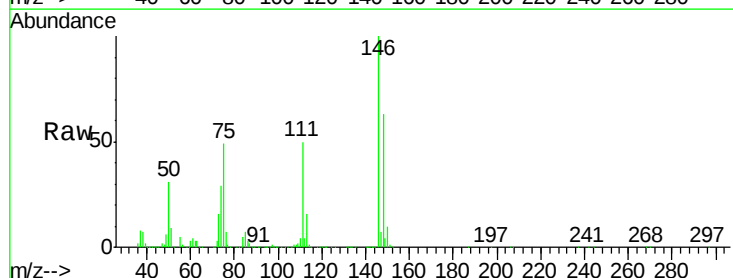
Tgt Ion:146 Resp: 2423350

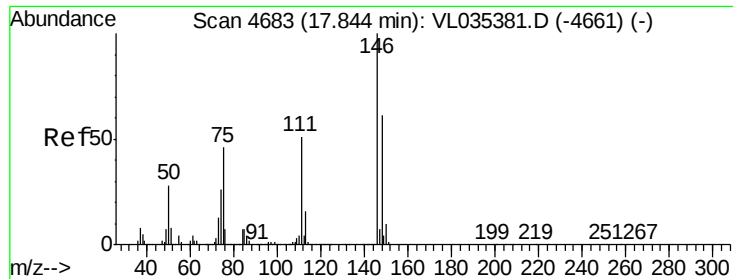
Ion Ratio Lower Upper

146 100

111 50.3 24.0 72.0

148 64.3 32.5 97.5





#77

1,2-Dichlorobenzene

Concen: 8.653 ppbv

RT: 17.84 min Scan# 4681

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tot Ion:146 Resp: 2374076

Ion Ratio Lower Upper

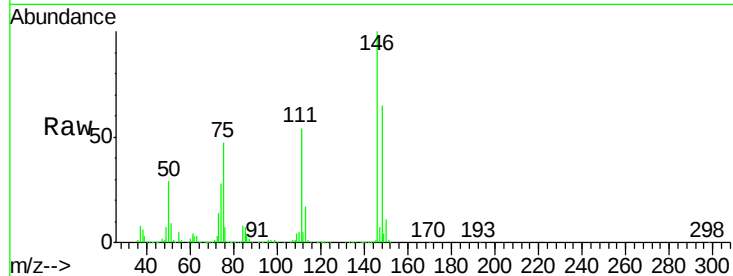
146 100

111 53.6 25.9 77.8

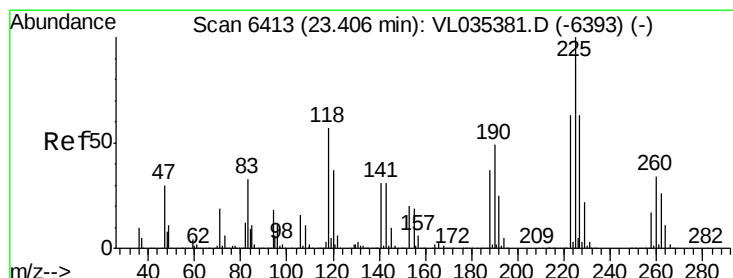
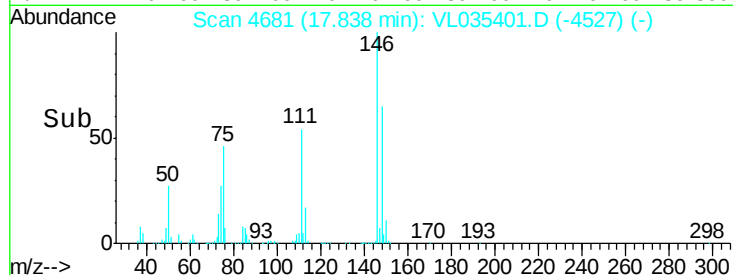
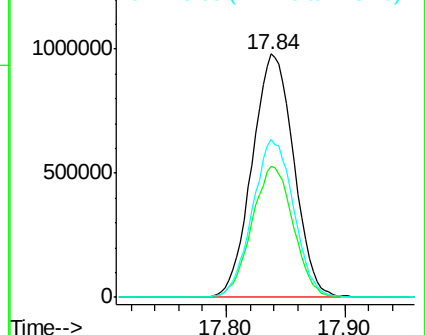
148 64.2 32.1 96.3

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



#78

Hexachloro-1,3-Butadiene

Concen: 7.984 ppbv

RT: 23.40 min Scan# 6412

Delta R.T. -0.00 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

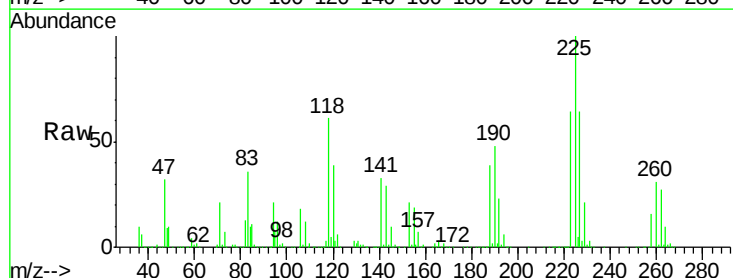
Tgt Ion:225 Resp: 1806423

Ion Ratio Lower Upper

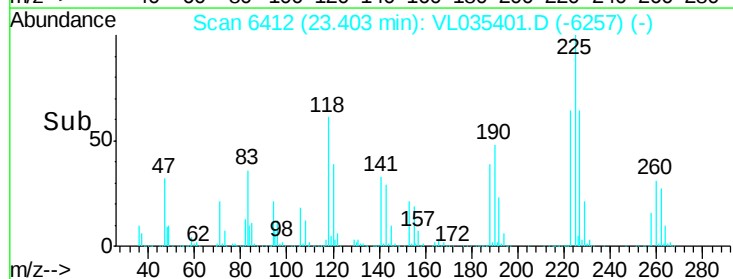
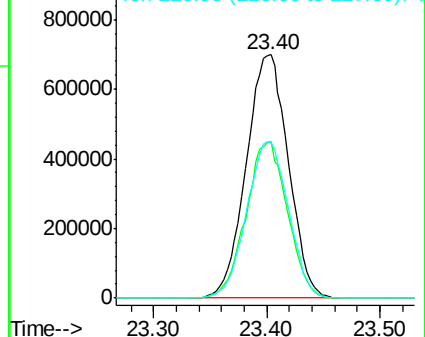
225 100

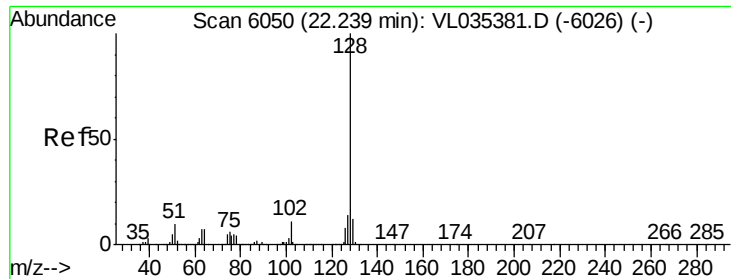
223 63.2 51.0 76.6

227 63.9 51.0 76.6



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





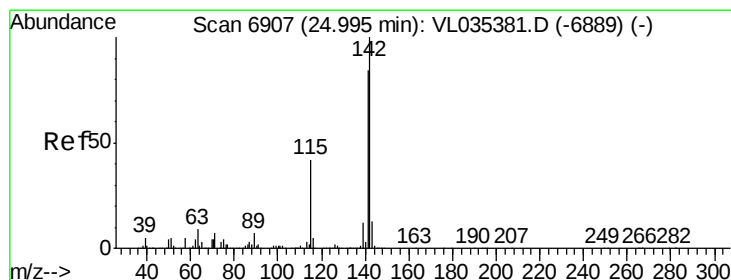
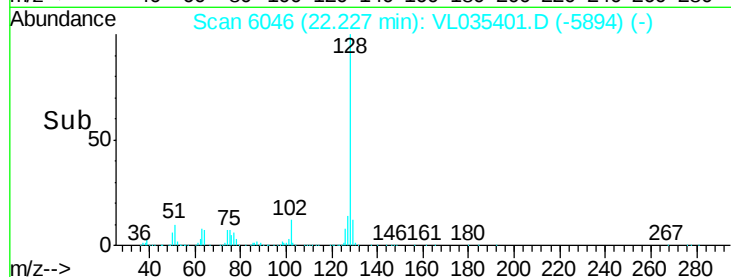
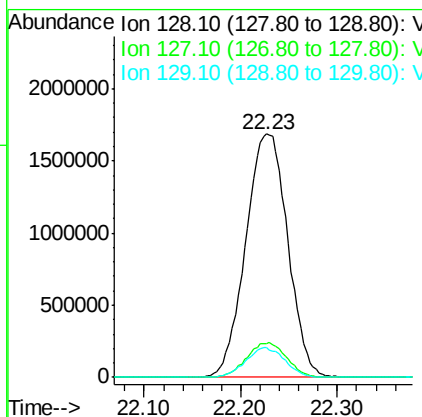
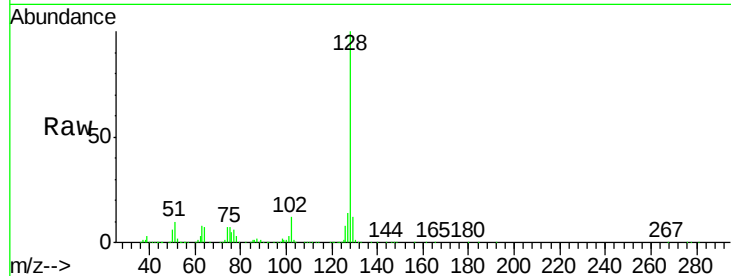
#79
Naphthalene
Concen: 8.189 ppbv
RT: 22.23 min Scan# 6046
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.4
129	12.5	9.2	13.8

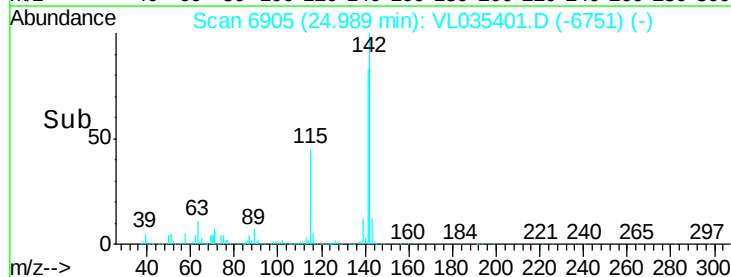
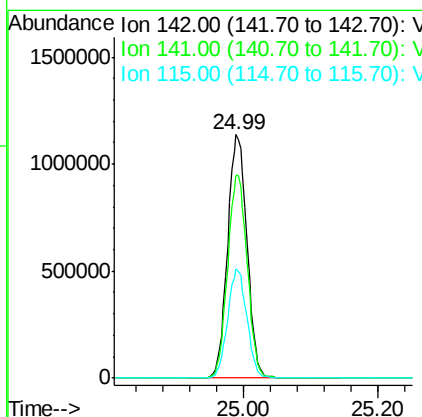
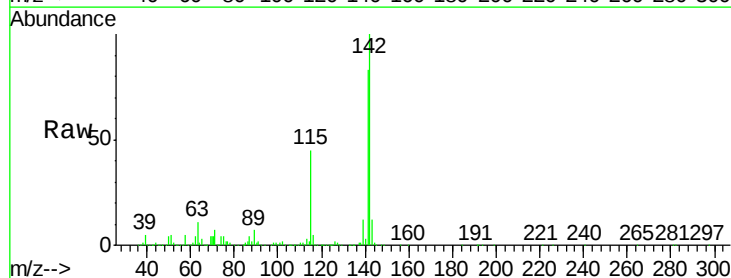
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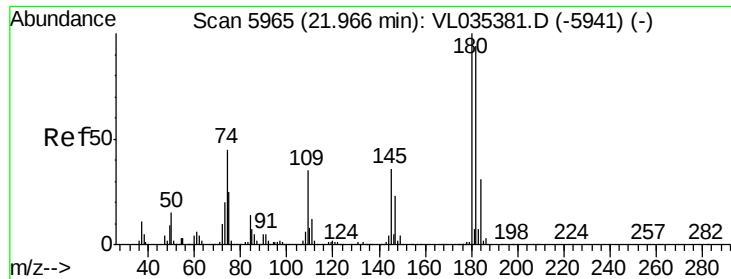
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#80
Naphthalene, 2-methyl-
Concen: 7.890 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.0	67.7	101.5
115	44.4	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 8.104 ppbv
 RT: 21.96 min Scan# 5963
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.6	116.4
184	31.3	24.7	37.1

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