

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091020\
 Data File : VL035583.D
 Acq On : 10 Sep 2020 14:28
 Operator : SY/AP
 Sample : VL0910ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Manual Integrations
 APPROVED

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 9/11/2020 2:03:12 PM

Quant Time: Sep 11 08:27:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1076002	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4571358	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	4839714m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3464309	10.08	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1409000	7.556	ppbv	99
3) Chlorodifluoromethane	2.97	51	1144677	9.619	ppbv	99
4) Chloromethane	3.13	50	620728	9.736	ppbv	98
5) Vinyl Chloride	3.24	62	731750	9.309	ppbv	99
6) Bromomethane	3.46	94	649338	9.835	ppbv	99
7) Chloroethane	3.55	64	277845	9.998	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2085657	9.236	ppbv	96
9) Propene	3.00	41	448754	9.781	ppbv	98
10) Heptane	8.12	43	1239489	10.058	ppbv	99
11) Trichlorofluoromethane	3.94	101	2507721	9.222	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1909478	9.303	ppbv	94
13) Ethanol	3.59	45	97894	8.606	ppbv	98
14) Bromoethene	3.73	108	874365	9.897	ppbv	99
15) Acetone	3.84	43	1174230	9.895	ppbv	98
16) 1,3-Butadiene	3.31	39	443764	10.045	ppbv	100
17) tert-Butyl alcohol	4.28	59	1458110	10.094	ppbv	100
18) 1,1-Dichloroethene	4.28	96	889713	9.844	ppbv	96
19) Isopropyl Alcohol	3.96	45	695384	9.822	ppbv	99
20) Methylene Chloride	4.33	84	740955	8.383	ppbv	97
21) Allyl Chloride	4.40	41	595057	10.703	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	929417	9.659	ppbv	95
23) Vinyl Acetate	5.07	43	1641318	10.776	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1530978	9.767	ppbv	99
25) Ethyl Acetate	5.67	43	2047518	9.766	ppbv	100
26) Hexane	5.68	57	1164277	9.801	ppbv	99
27) Carbon Disulfide	4.54	76	1910348	11.207	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	2104011	10.163	ppbv	100
29) Chloroform	5.75	83	2364968	9.771	ppbv	100
30) Cyclohexane	7.13	84	1328704	10.441	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1250723	10.263	ppbv	100
32) 1,1,1-Trichloroethane	6.51	97	2350227	10.010	ppbv	99
34) 2-Butanone	5.24	43	1434163	10.571	ppbv	100
35) Carbon Tetrachloride	7.02	117	2460767	10.711	ppbv	100
36) Benzene	6.89	78	3049582	10.306	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1457913	10.334	ppbv	100
38) Trichloroethene	7.83	130	1584411	9.218	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1024161	10.246	ppbv	99
40) 1,4-Dioxane	7.83	88	513960	10.292	ppbv	84
41) Tetrahydrofuran	6.04	42	801167	11.137	ppbv	99
42) Bromodichloromethane	7.79	83	2505856	10.984	ppbv	99
43) Methyl Methacrylate	8.02	69	1276464	11.156	ppbv	99

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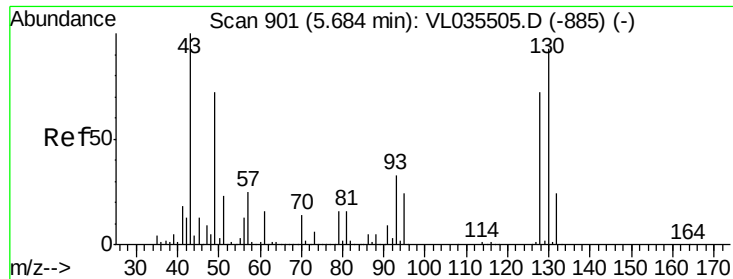
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3930695	10.096	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1455924	12.561	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1712507	11.899	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1505577	10.207	ppbv	98
48) Dibromochloromethane	10.31	129	2586553	11.142	ppbv	100
49) Bromoform	13.05	173	2382145	11.323	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2114598	10.764	ppbv	99
51) 2-Hexanone	10.13	43	1841659	11.428	ppbv	100
52) Tetrachloroethene	11.23	164	1594598	9.224	ppbv	98
53) Toluene	9.81	91	3870043	10.400	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2403977	10.314	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	2032592	10.322	ppbv	96
57) Chlorobenzene	12.15	112	3354000	9.416	ppbv	97
58) Ethyl Benzene	12.72	91	5108666	10.236	ppbv	99
59) m/p-Xylene	13.01	91	8669747m	20.790	ppbv	
60) o-Xylene	13.70	91	4222769	10.054	ppbv	99
61) Styrene	13.54	104	3459649	10.770	ppbv	99
62) Isopropylbenzene	14.68	105	6438931	9.544	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3013093	9.253	ppbv	100
64) n-propylbenzene	15.57	120	2074248	10.074	ppbv	96
65) tert-Butylbenzene	16.76	119	6088128	9.707	ppbv	98
66) Benzyl Chloride	17.00	91	2225114	14.275	ppbv	98
67) sec-Butylbenzene	17.31	105	7990201	9.562	ppbv	98
69) p-Isopropyltoluene	17.67	119	7029624	9.591	ppbv	99
70) n-Butylbenzene	18.56	91	6962777	9.862	ppbv	99
71) 2-Chlorotoluene	15.46	91	4969663	10.115	ppbv	98
72) 4-Ethyltoluene	15.85	105	5411729	10.135	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4996653	10.117	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	5244562	9.670	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	3706413	9.226	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3779249	9.539	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3644905	9.365	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	2215145	8.914	ppbv	100
79) Naphthalene	22.22	128	6299425	10.468	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2497057	12.157	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	3453862	9.584	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

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Instrument :

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ClientSampleId :

VL0910ABS01

Tot Ion: 49 Resp: 1076002

Ion Ratio Lower Upper

49 100

128 94.9 50.0 150.1

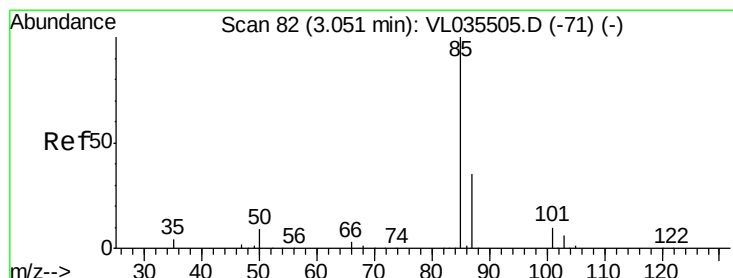
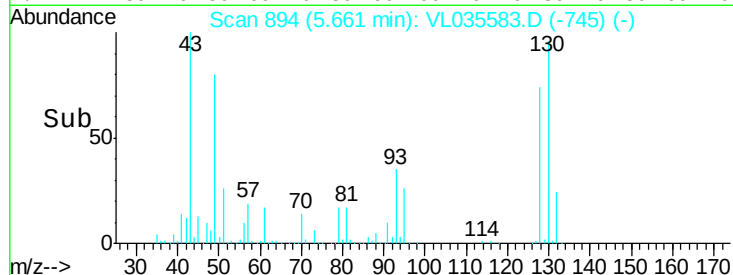
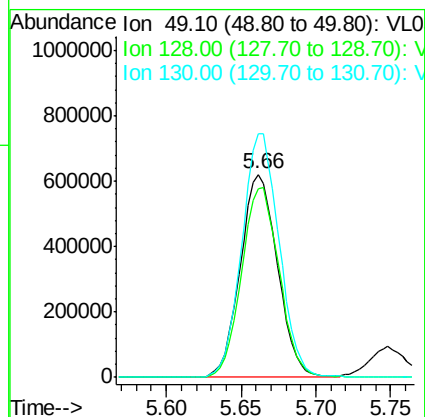
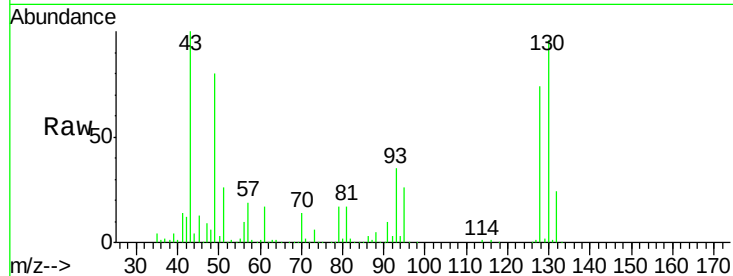
130 121.0 64.4 193.2

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#2

Dichlorodifluoromethane

Concen: 7.556 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL035583.D

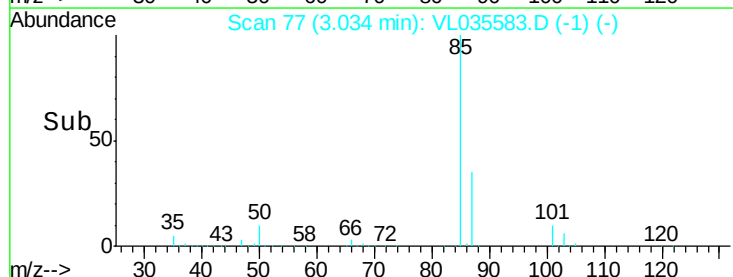
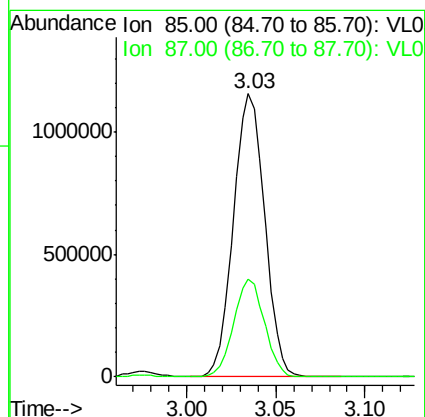
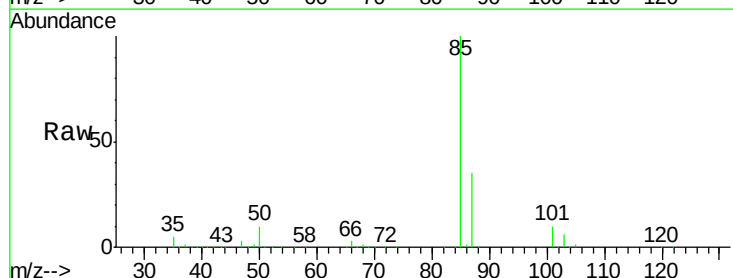
Acq: 10 Sep 2020 14:28

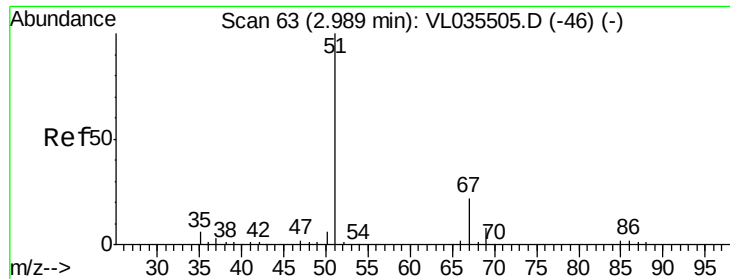
Tgt Ion: 85 Resp: 1409000

Ion Ratio Lower Upper

85 100

87 34.7 28.0 42.0





#3

Chlorodifluoromethane

Concen: 9.619 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Tot Ion: 51 Resp: 1144677

Ion Ratio Lower Upper

51 100

67 22.8 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

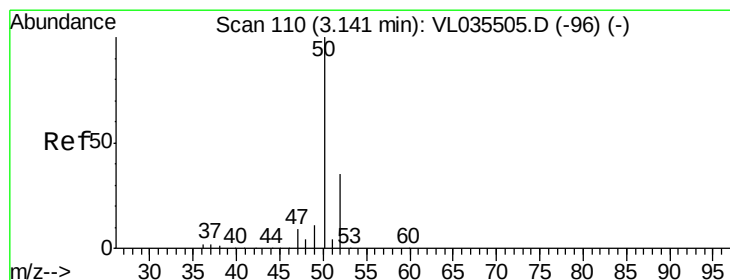
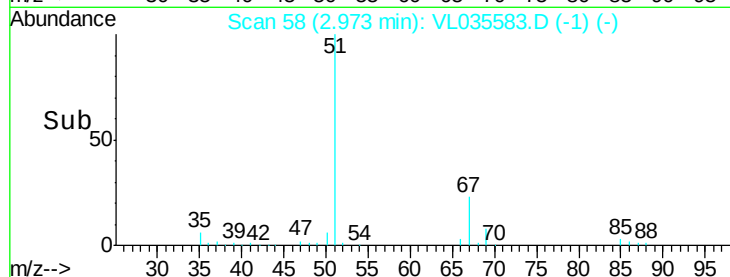
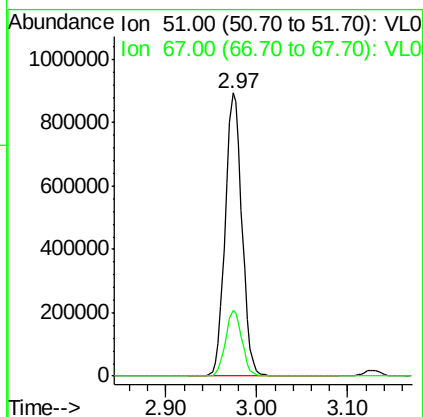
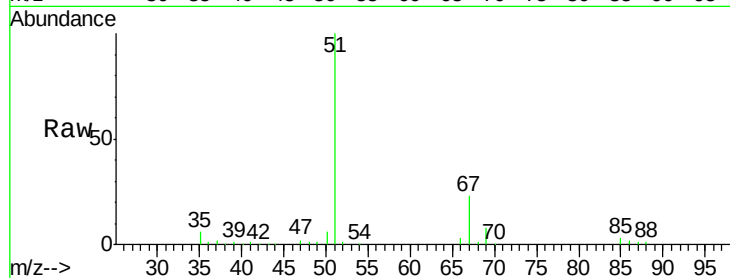
VL0910ABS01

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9/11/2020 2:03:12 PM



#4

Chloromethane

Concen: 9.736 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL035583.D

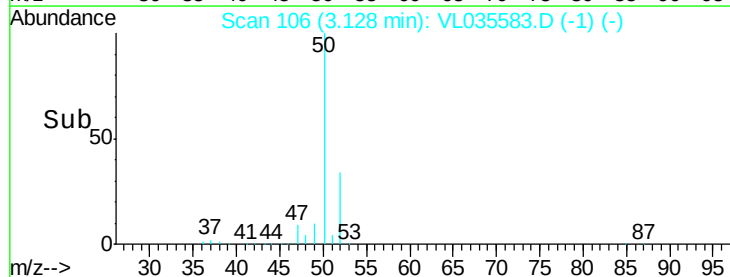
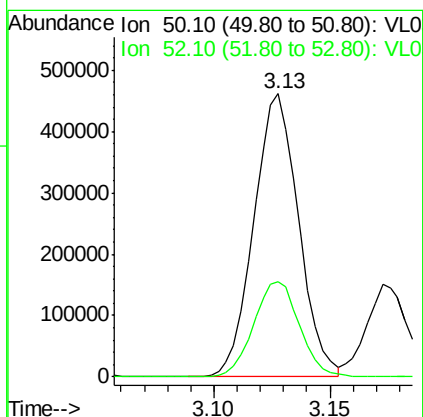
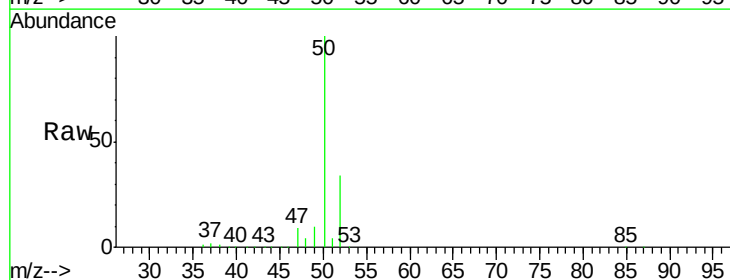
Acq: 10 Sep 2020 14:28

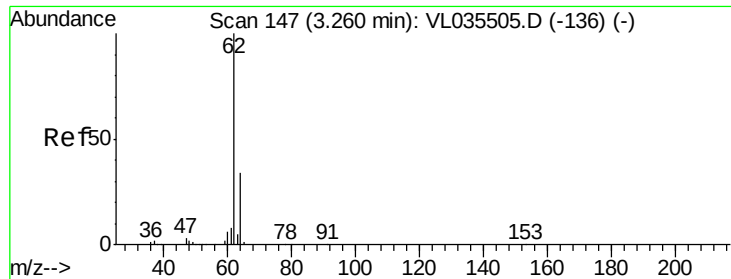
Tgt Ion: 50 Resp: 620728

Ion Ratio Lower Upper

50 100

52 33.6 27.7 41.5





#5

Vinyl Chloride

Concen: 9.309 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 62 Resp: 731750

Ion Ratio Lower Upper

62 100

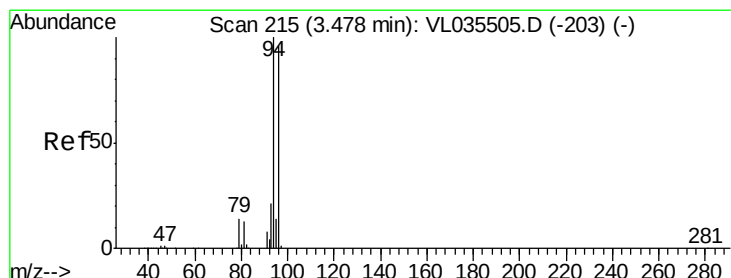
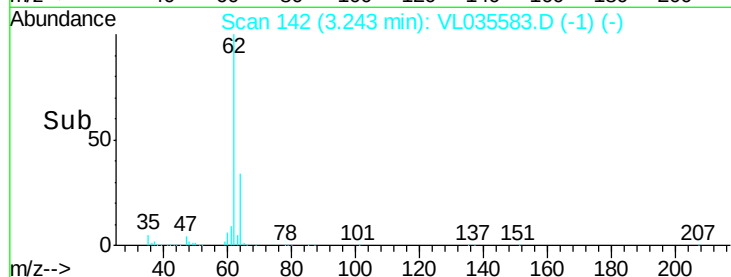
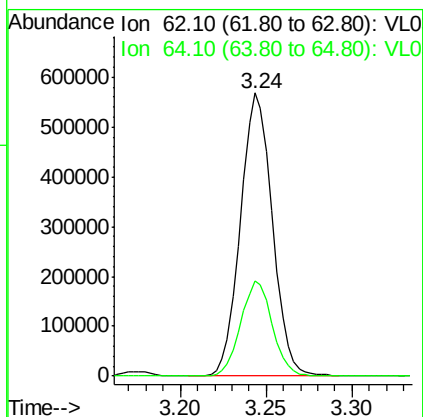
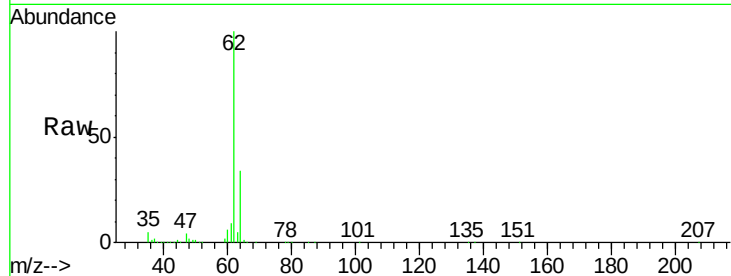
64 33.5 27.4 41.2

Manual Integrations

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9/11/2020 2:03:12 PM



#6

Bromomethane

Concen: 9.835 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.02 min

Lab File: VL035583.D

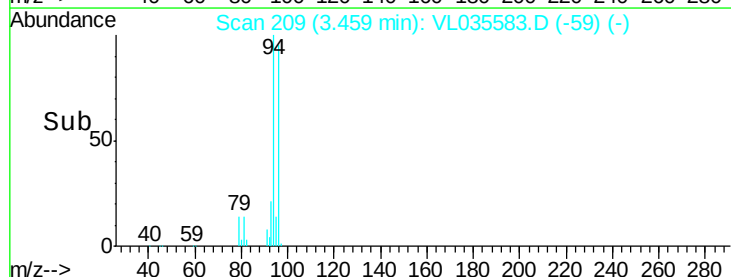
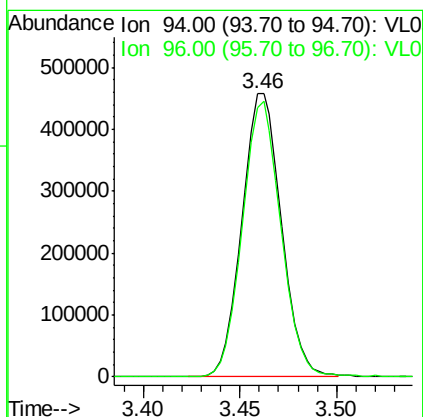
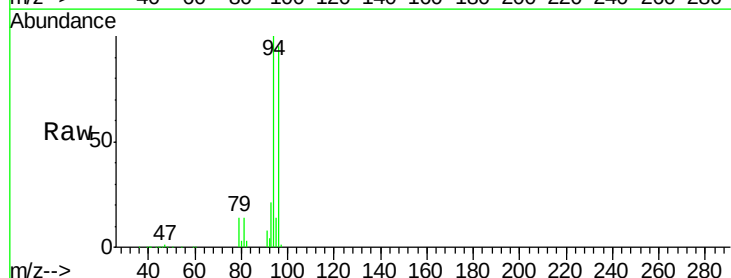
Acq: 10 Sep 2020 14:28

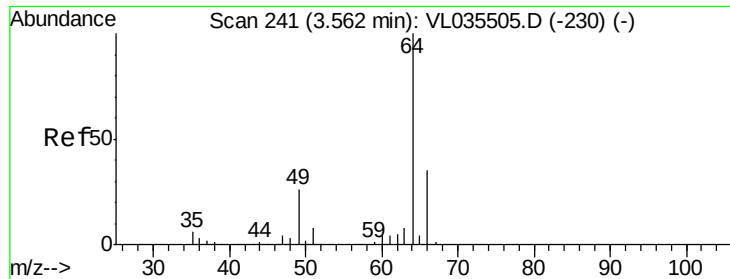
Tgt Ion: 94 Resp: 649338

Ion Ratio Lower Upper

94 100

96 95.3 77.1 115.7





#7

Chloroethane

Concen: 9.998 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 64 Resp: 277845

Ion Ratio Lower Upper

64 100

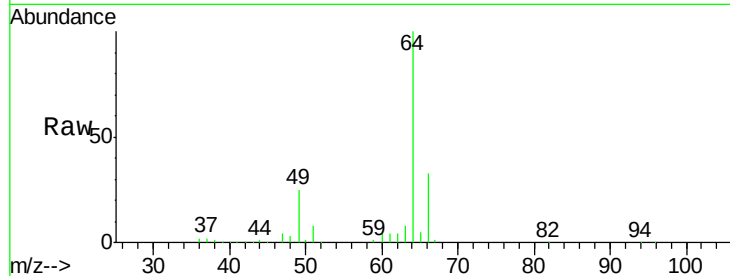
66 32.8 27.7 41.5

Manual Integrations

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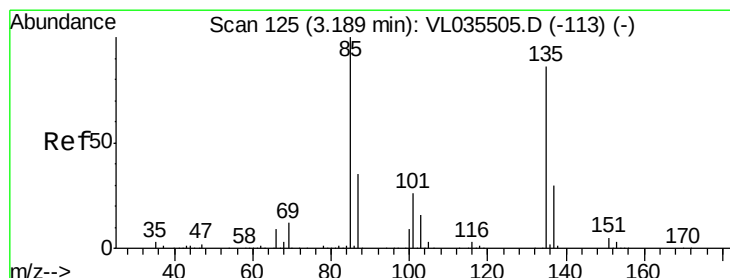
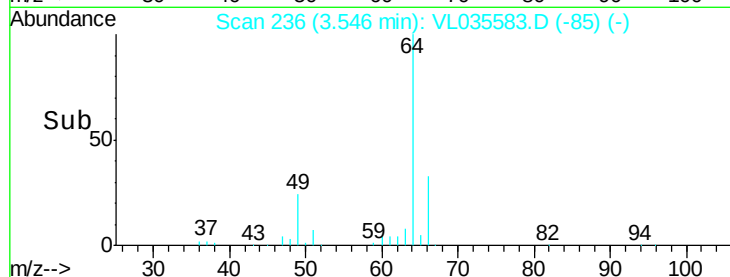
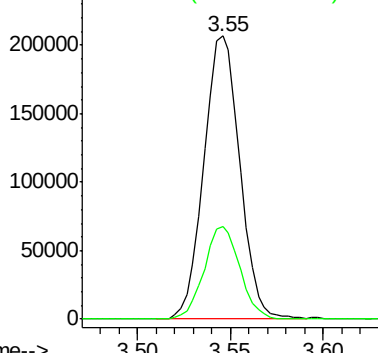
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.236 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL035583.D

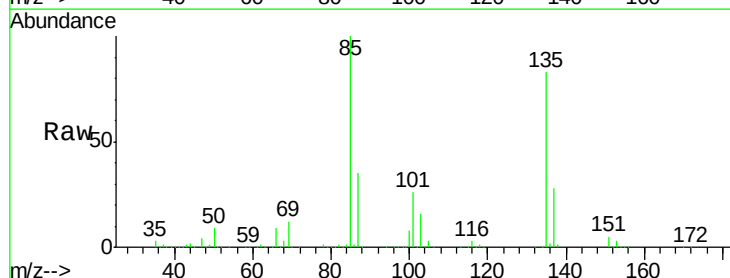
Acq: 10 Sep 2020 14:28

Tgt Ion: 85 Resp: 2085657

Ion Ratio Lower Upper

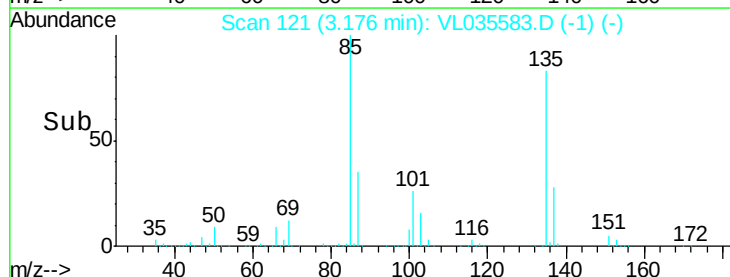
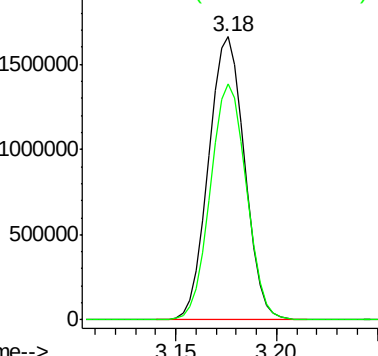
85 100

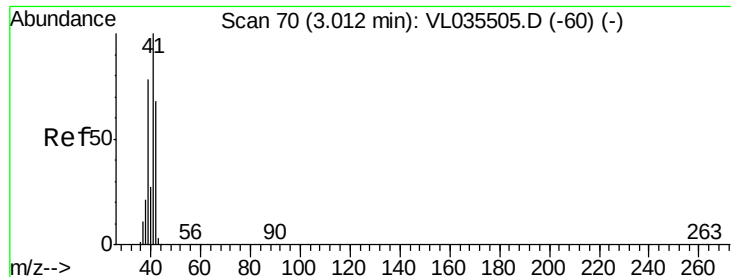
135 83.8 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.781 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

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ClientSampleId :

VL0910ABS01

Tot Ion: 41 Resp: 448754

Ion Ratio Lower Upper

41 100

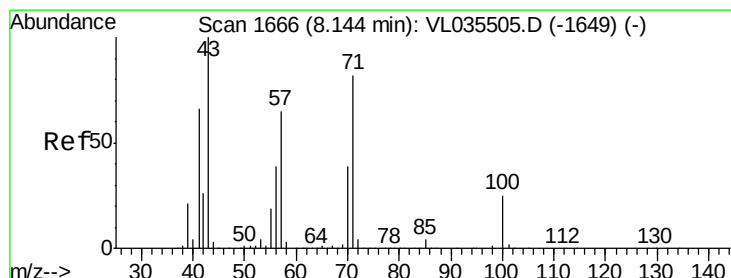
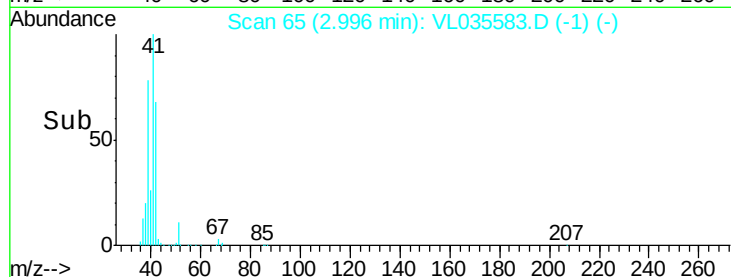
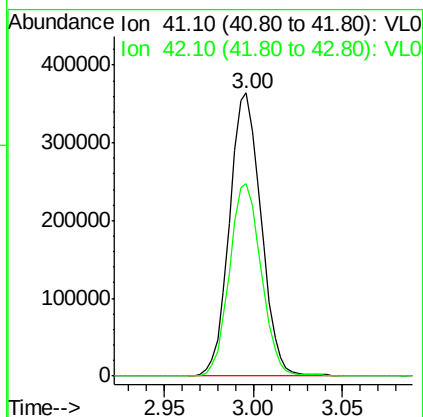
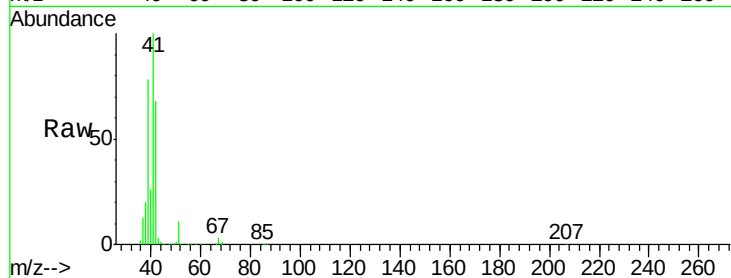
42 68.5 56.3 84.5

Manual Integrations

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9/11/2020 2:03:12 PM



#10

Heptane

Concen: 10.058 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.02 min

Lab File: VL035583.D

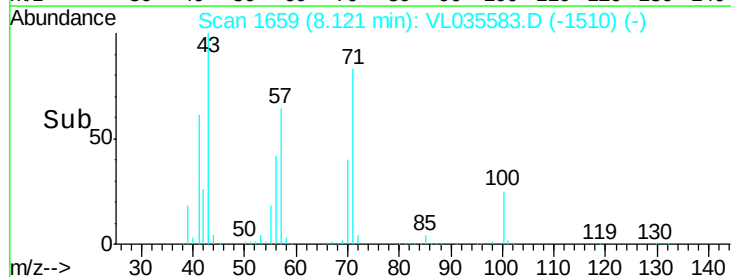
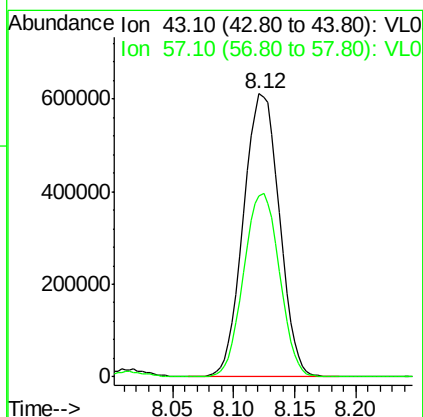
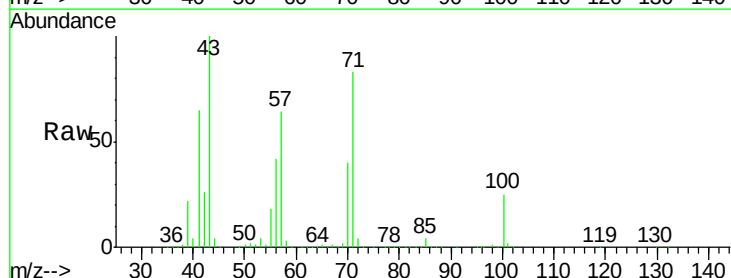
Acq: 10 Sep 2020 14:28

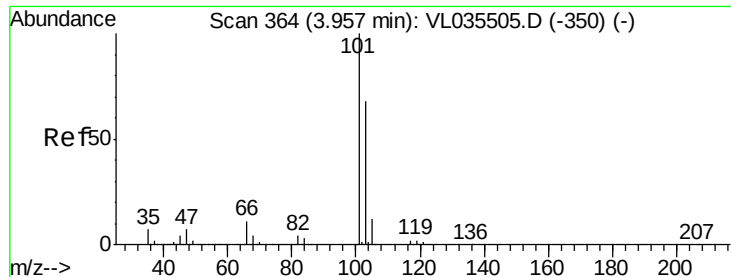
Tgt Ion: 43 Resp: 1239489

Ion Ratio Lower Upper

43 100

57 64.7 51.4 77.0





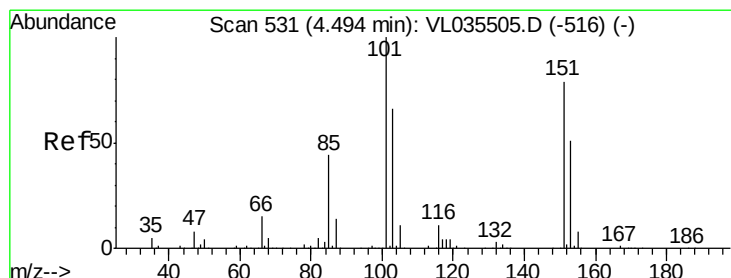
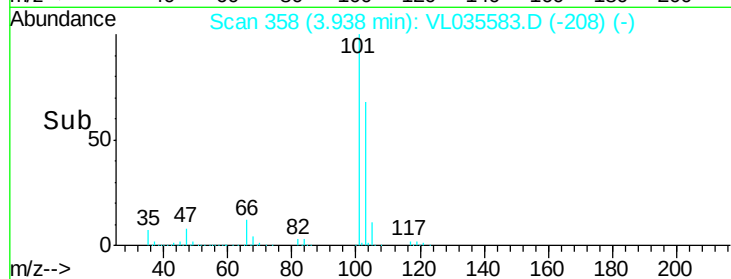
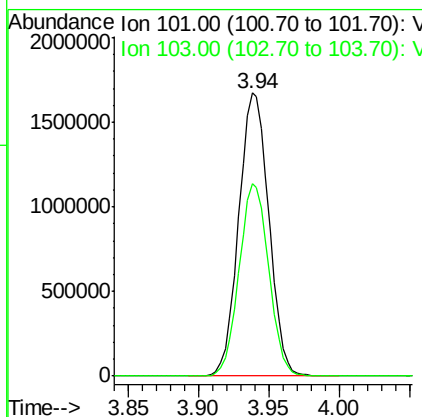
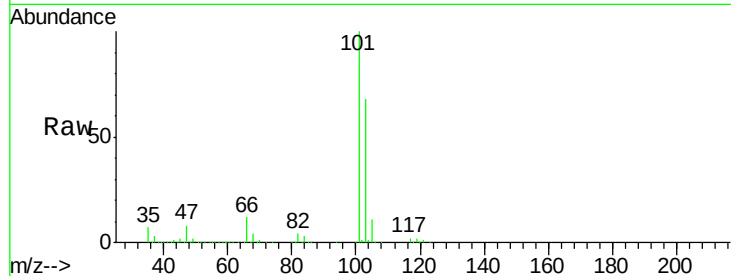
#11
 Trichlorofluoromethane
 Concen: 9.222 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion:101 Resp: 2507721
 Ion Ratio Lower Upper
 101 100
 103 68.1 54.5 81.7

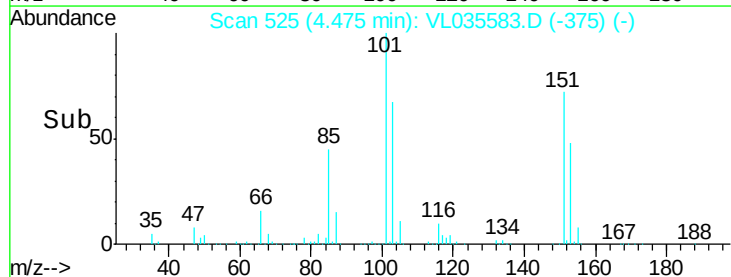
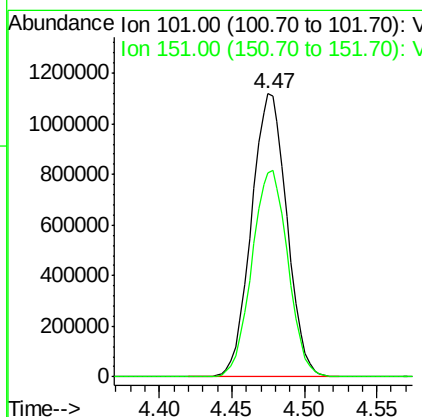
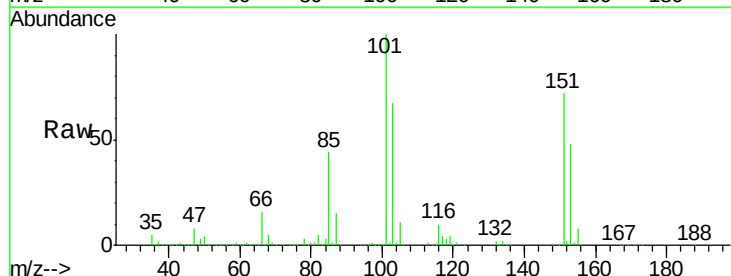
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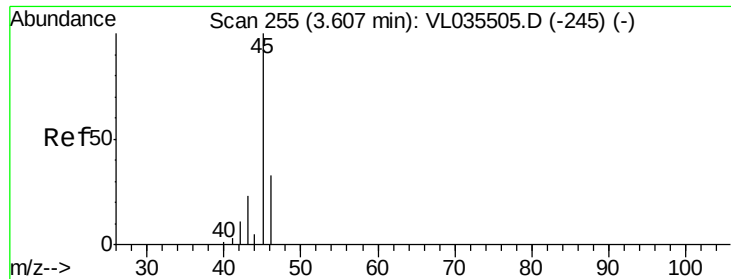
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.303 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Tgt Ion:101 Resp: 1909478
 Ion Ratio Lower Upper
 101 100
 151 74.0 63.5 95.3





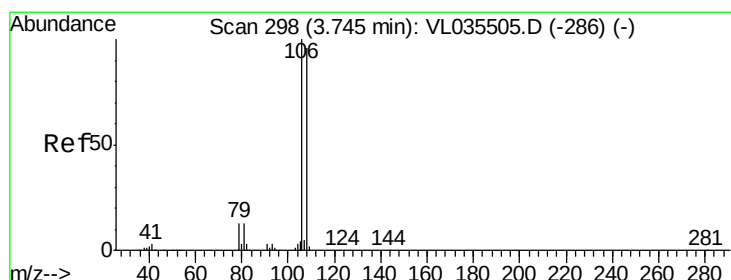
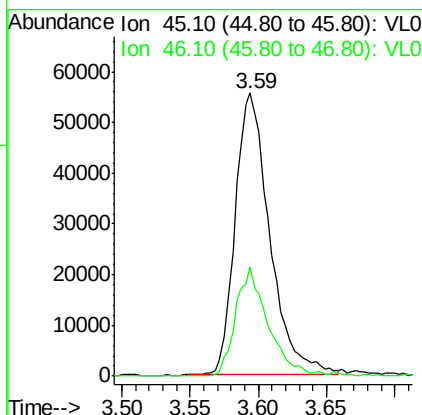
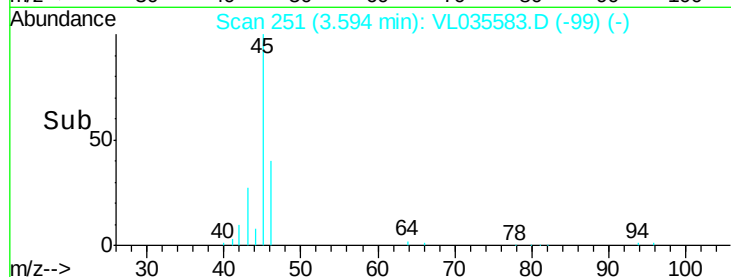
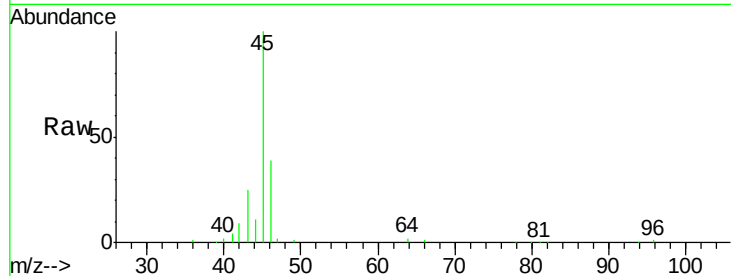
#13
Ethanol
Concen: 8.606 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion: 45 Resp: 97894
Ion Ratio Lower Upper
45 100
46 37.0 15.2 60.6

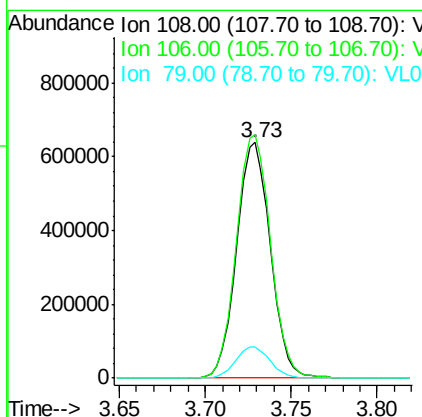
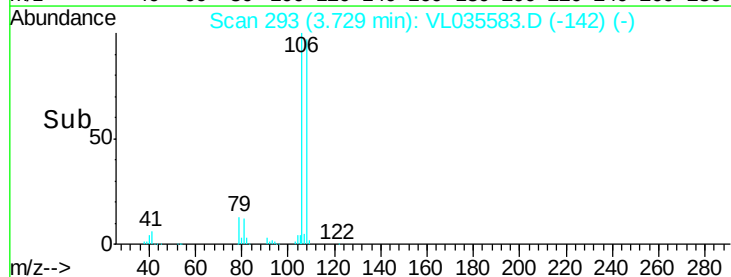
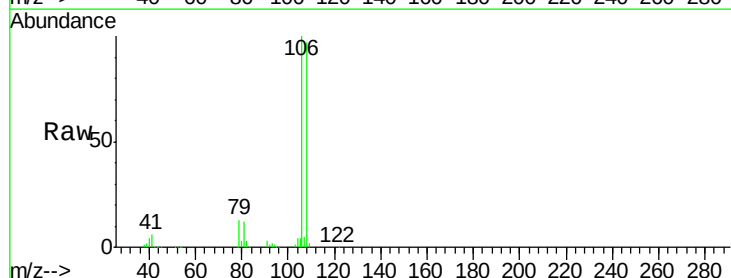
Manual Integrations
APPROVED

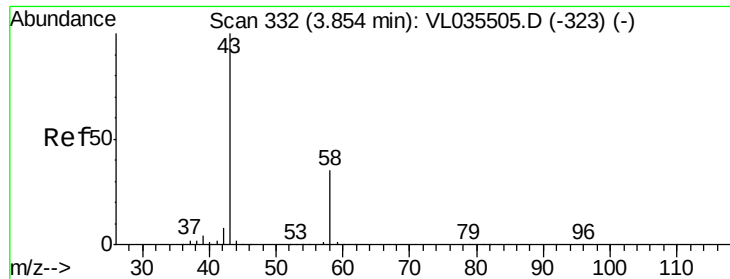
MMDadoda
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#14
Bromoethene
Concen: 9.897 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Tgt Ion: 108 Resp: 874365
Ion Ratio Lower Upper
108 100
106 105.4 84.9 127.3
79 13.7 10.8 16.2





#15

Acetone

Concen: 9.895 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 43 Resp: 1174230

Ion Ratio Lower Upper

43 100

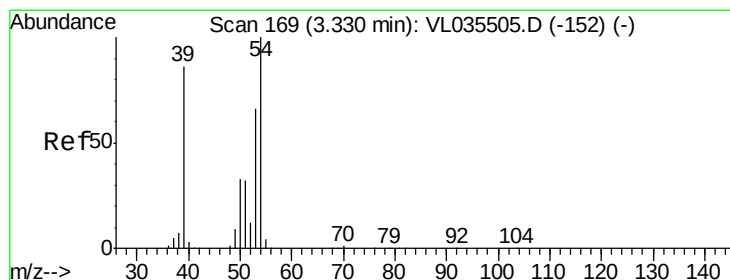
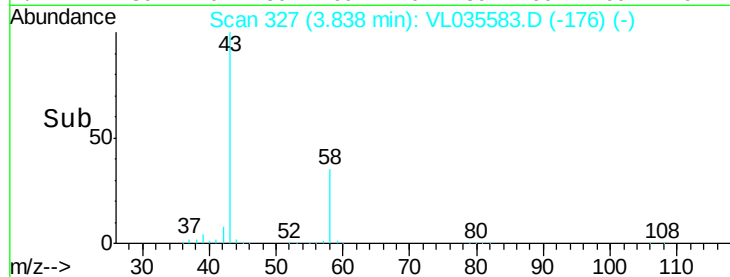
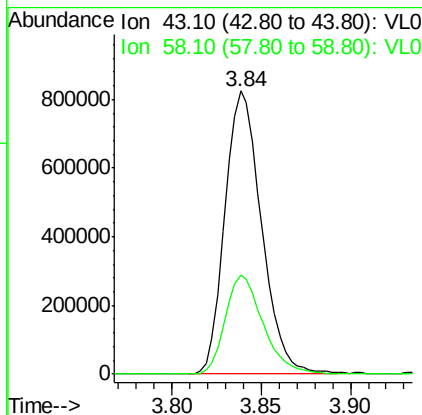
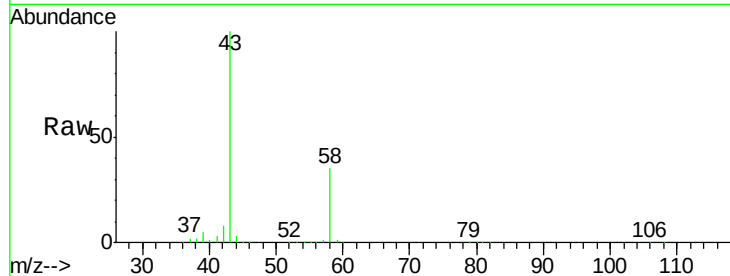
58 36.4 28.4 42.6

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.045 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.02 min

Lab File: VL035583.D

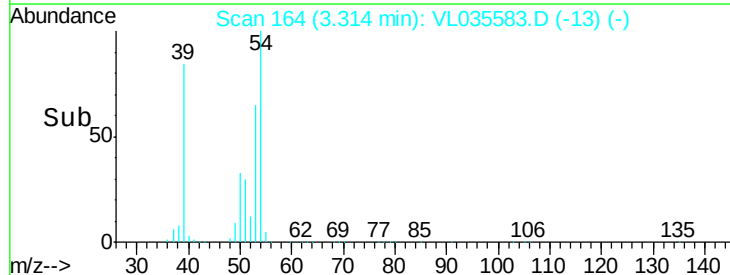
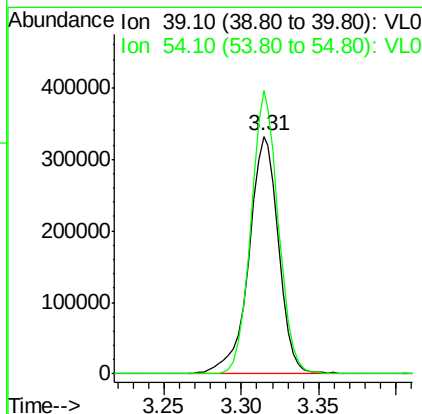
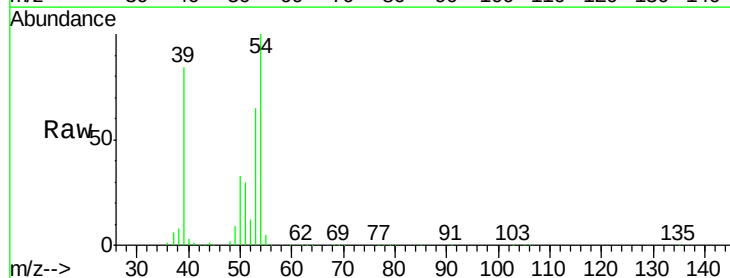
Acq: 10 Sep 2020 14:28

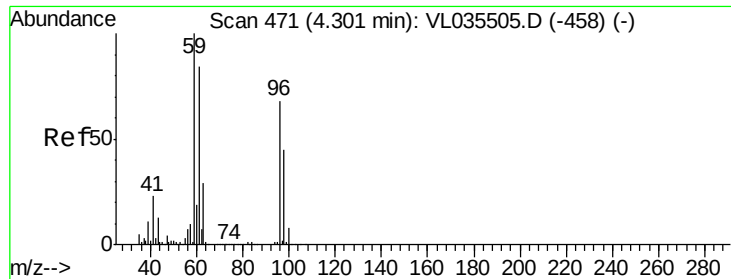
Tgt Ion: 39 Resp: 443764

Ion Ratio Lower Upper

39 100

54 110.6 88.4 132.6





#17

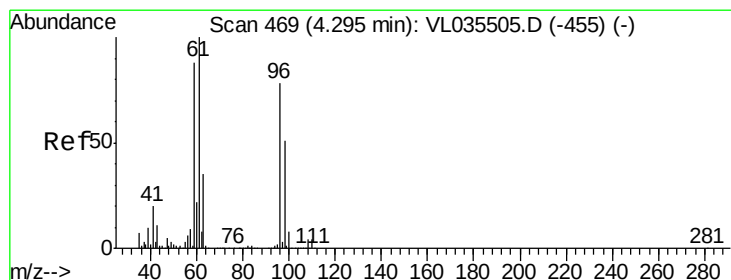
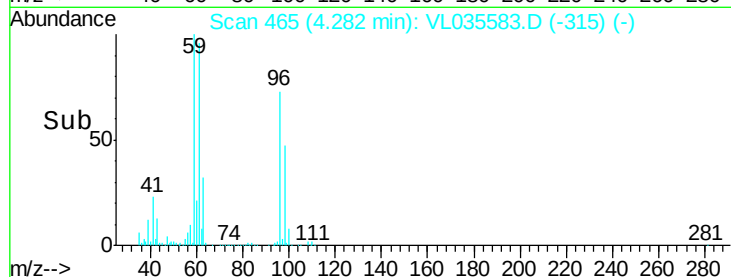
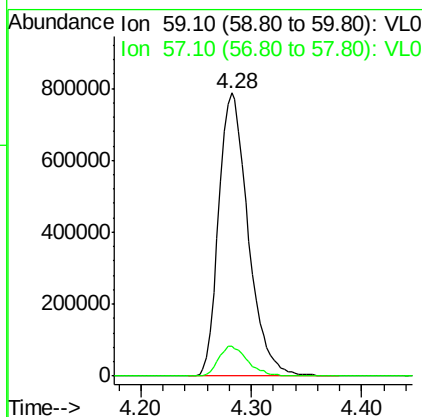
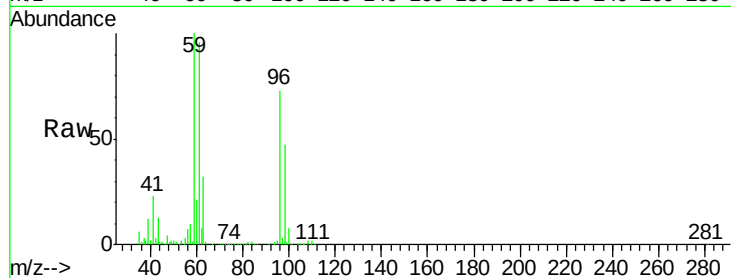
tert-Butyl alcohol
Concen: 10.094 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion: 59 Resp: 1458110
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

Manual Integrations
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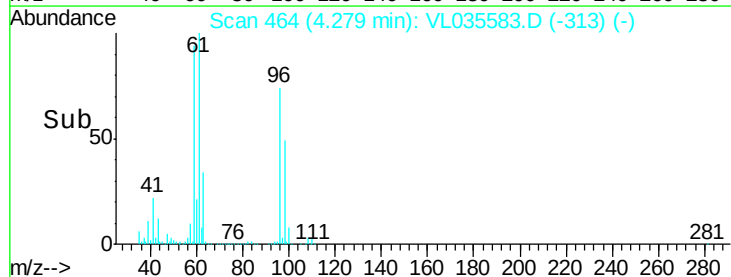
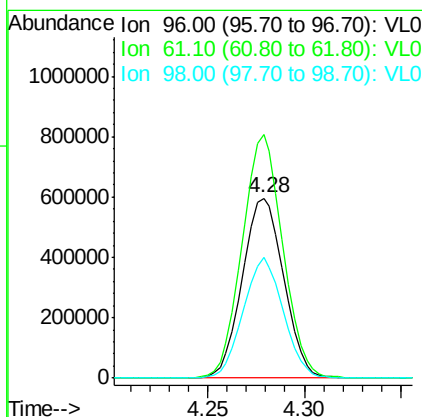
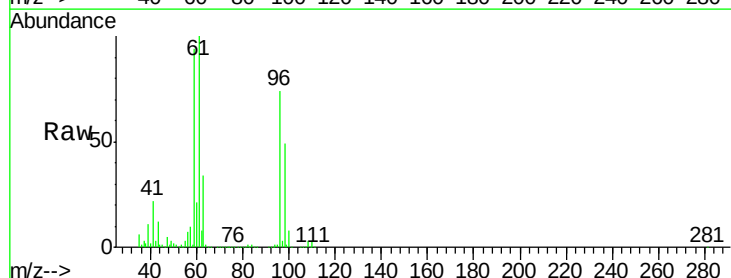
MMDadoda
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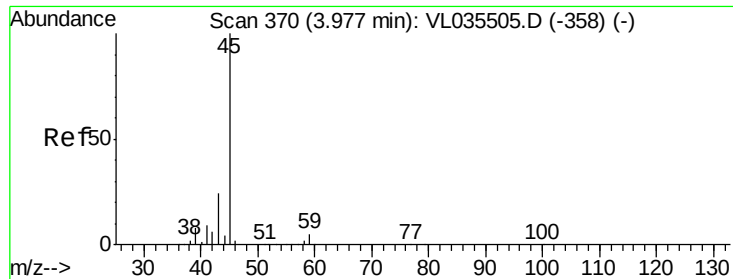


#18

1,1-Dichloroethene
Concen: 9.844 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Tgt Ion: 96 Resp: 889713
Ion Ratio Lower Upper
96 100
61 135.3 103.0 154.6
98 67.0 52.8 79.2





#19

Isopropyl Alcohol

Concen: 9.822 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 45 Resp: 695384

Ion Ratio Lower Upper

45 100

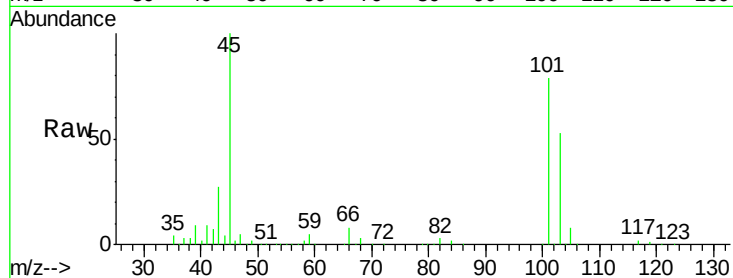
58 2.7 2.0 3.0

Manual Integrations

APPROVED

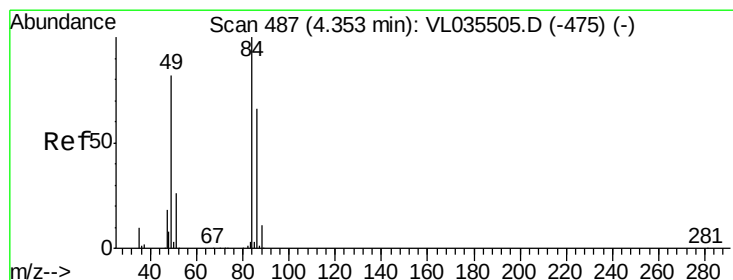
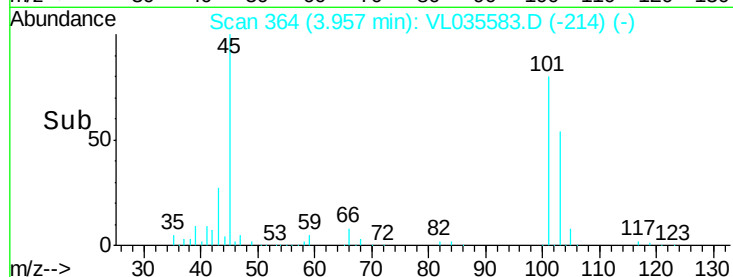
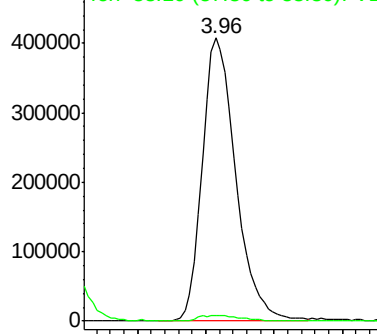
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.383 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Tgt Ion: 84 Resp: 740955

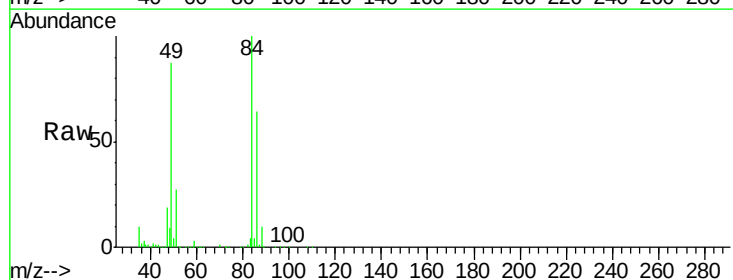
Ion Ratio Lower Upper

84 100

49 85.9 65.4 98.0

51 26.6 21.5 32.3

86 64.0 52.9 79.3

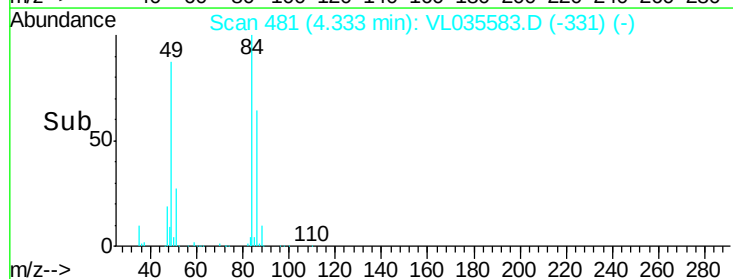
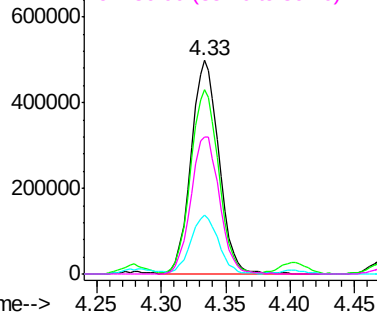


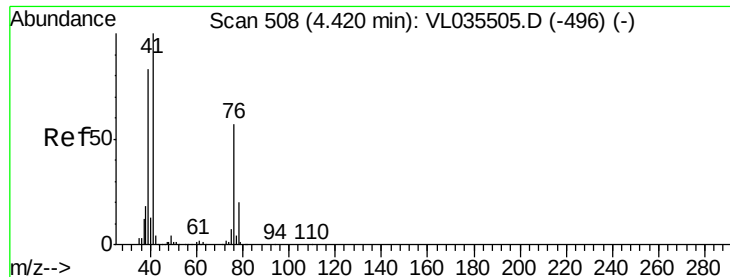
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 10.703 ppbv

RT: 4.40 min Scan# 502

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

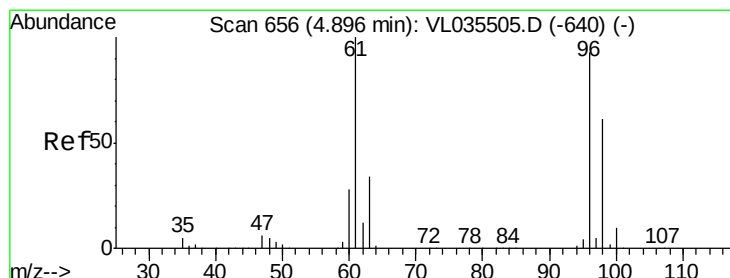
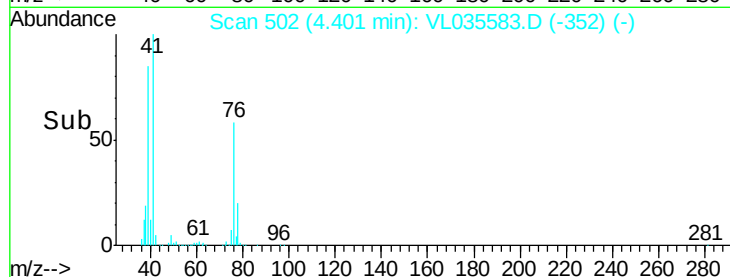
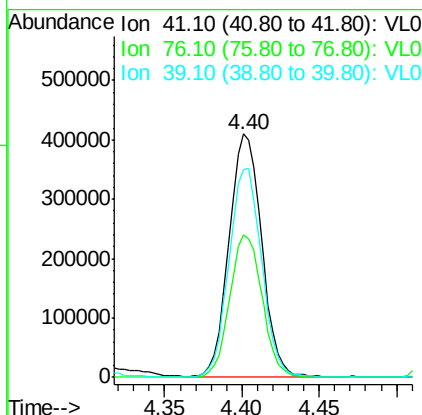
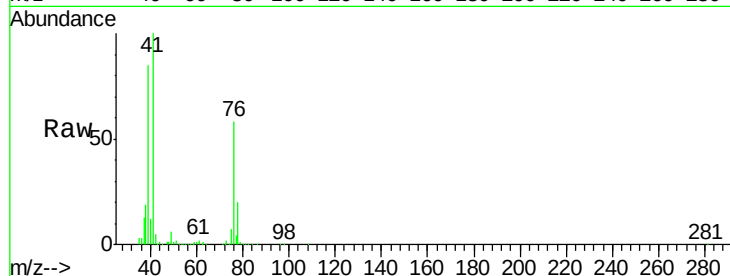
ClientSampleId :

VL0910ABS01

Tot Ion:	41	Resp:	595057
Ion Ratio	Lower	Upper	
41	100		
76	58.4	46.2	69.2
39	86.3	67.8	101.6

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.659 ppbv

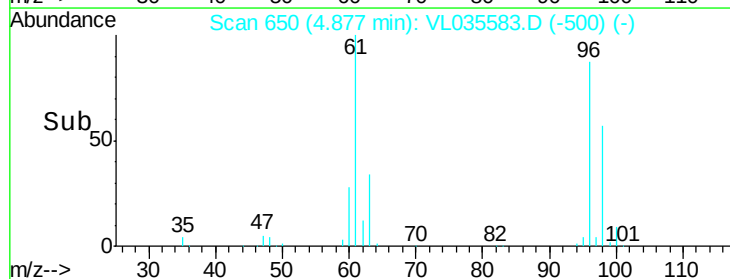
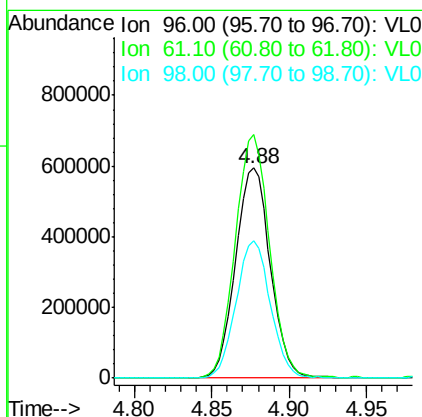
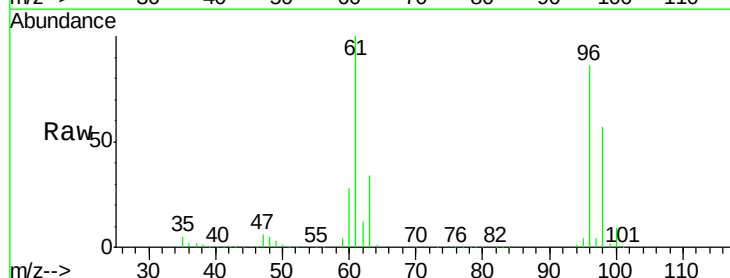
RT: 4.88 min Scan# 650

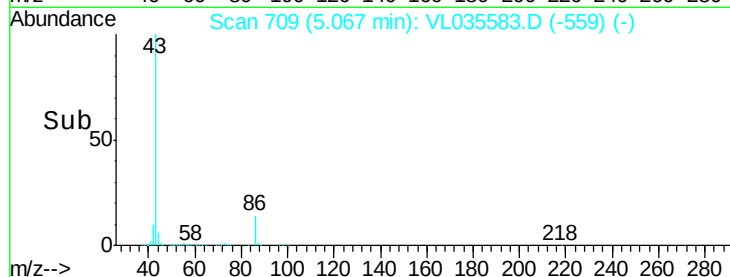
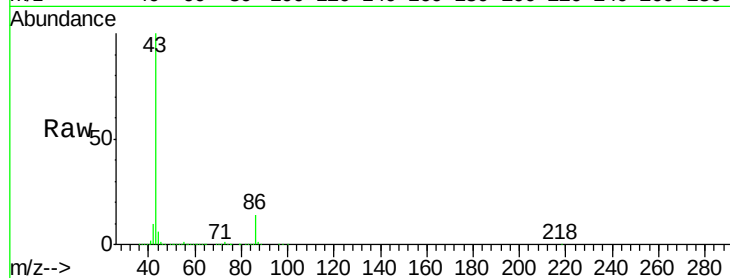
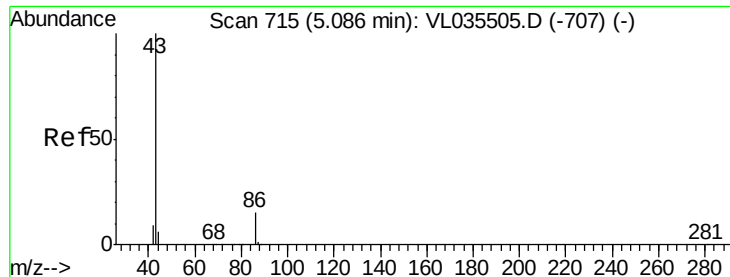
Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

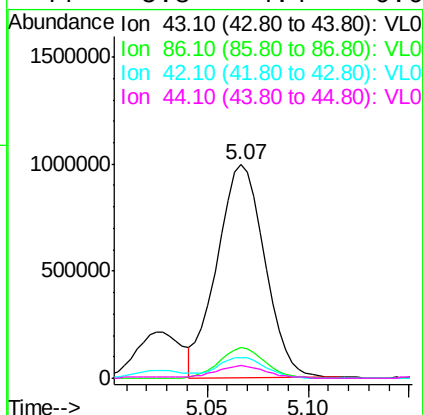
Tgt Ion:	96	Resp:	929417
Ion Ratio	Lower	Upper	
96	100		
61	115.8	86.0	129.0
98	65.5	52.3	78.5





#23
 Vinyl Acetate
 Concen: 10.776 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

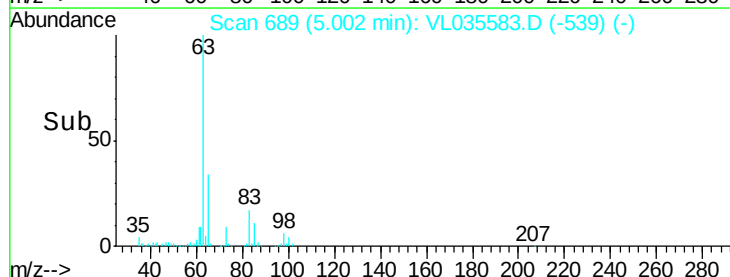
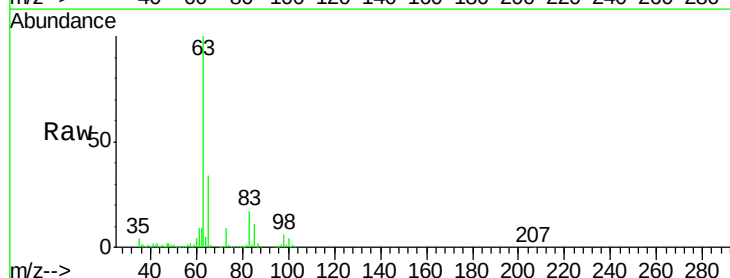
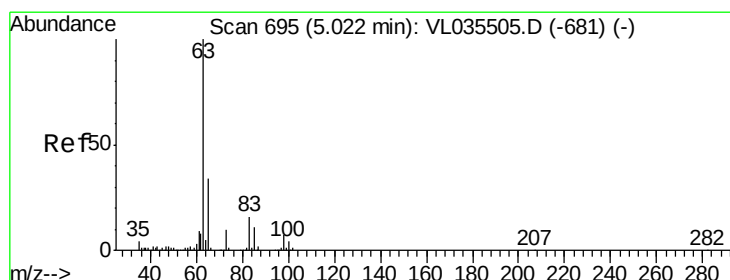
Tot Ion	43	Resp	1641318
Ion	Ratio	Lower	Upper
43	100		
86	14.2	10.6	16.0
42	9.7	7.5	11.3
44	5.8	4.4	6.6



Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

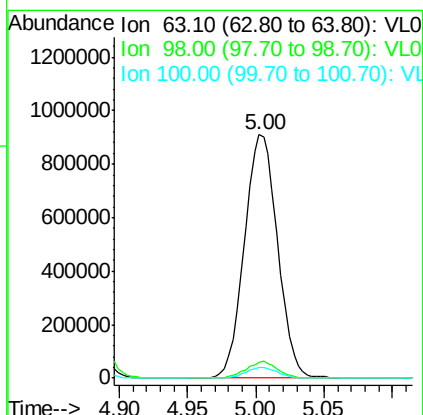
Manual Integrations
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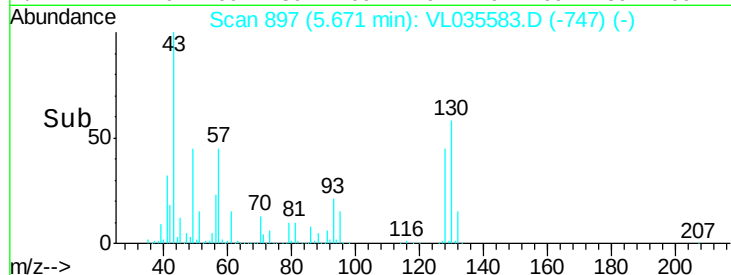
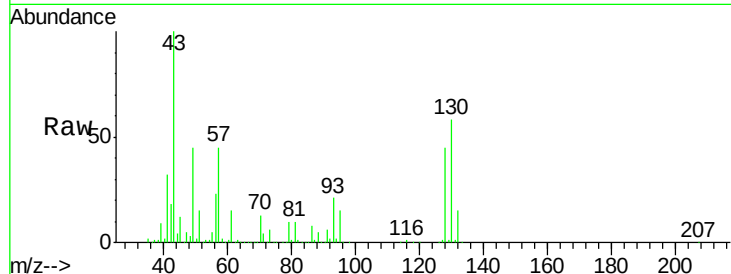
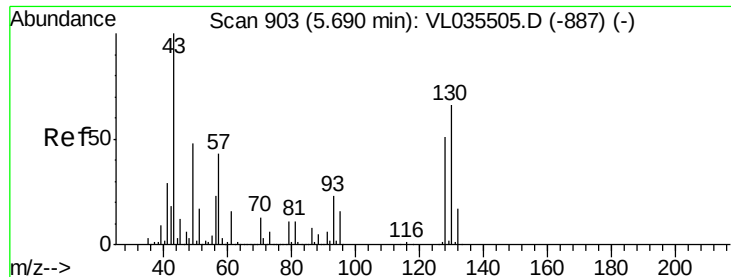
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 9.767 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

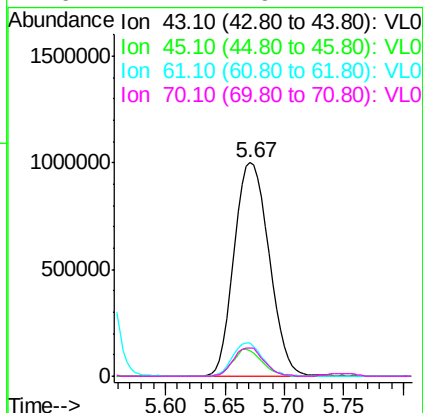
Tgt Ion	63	Resp	1530978
Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.4	10.1
100	4.2	2.1	6.5





#25
Ethyl Acetate
Concen: 9.766 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

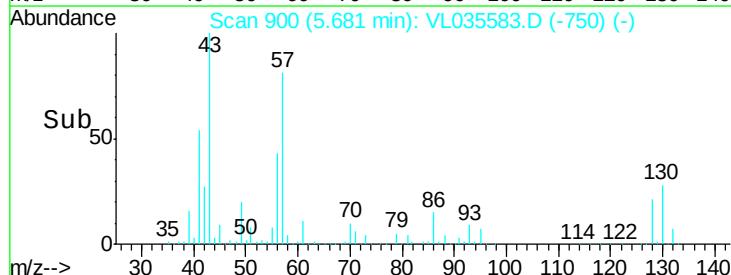
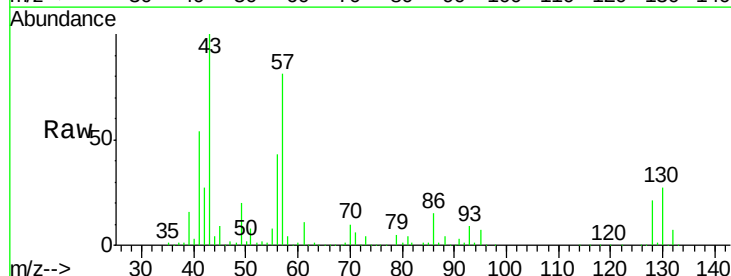
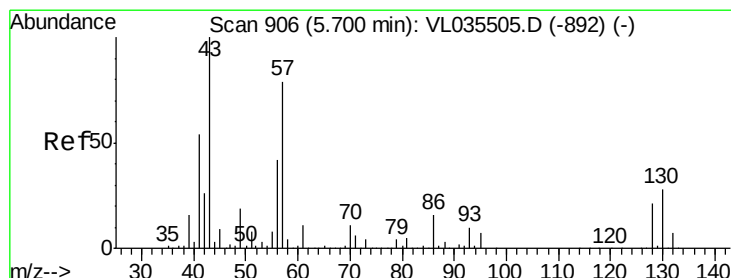
Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.6	8.4	12.6	
61	13.4	10.6	16.0	
70	11.7	9.4	14.2	



Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

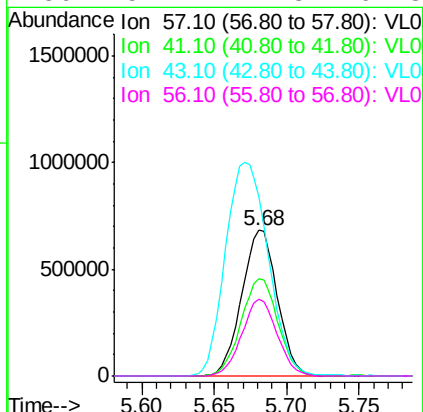
Manual Integrations
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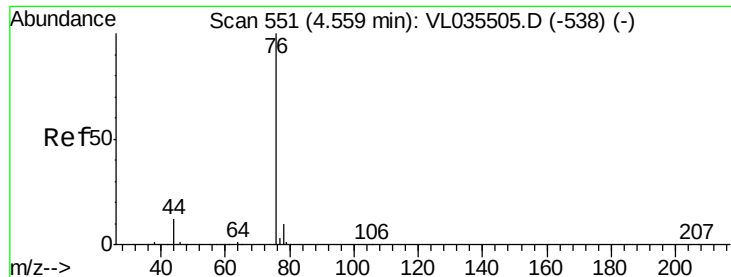
MMDadoda
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#26
Hexane
Concen: 9.801 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	69.4	55.9	83.9	
43	176.0	141.8	212.8	
56	52.4	41.8	62.8	





#27

Carbon Disulfide

Concen: 11.207 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 76 Resp: 1910348

Ion Ratio Lower Upper

76 100

44 11.3 9.3 13.9

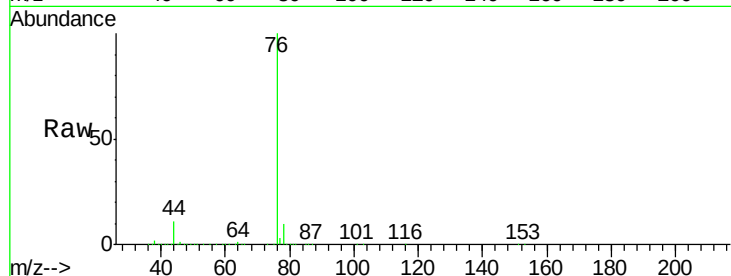
78 9.7 7.8 11.6

Manual Integrations

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MMDadoda

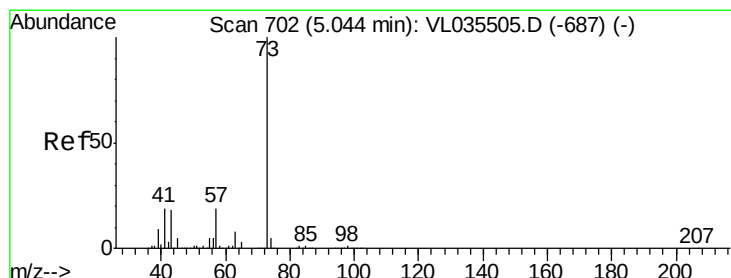
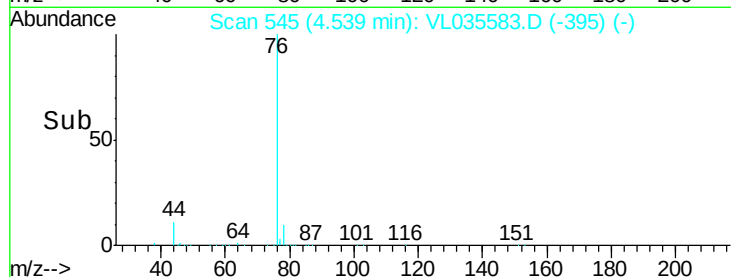
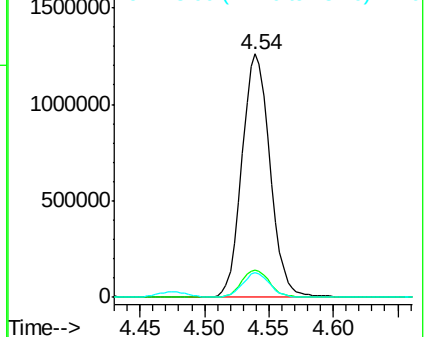
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.163 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL035583.D

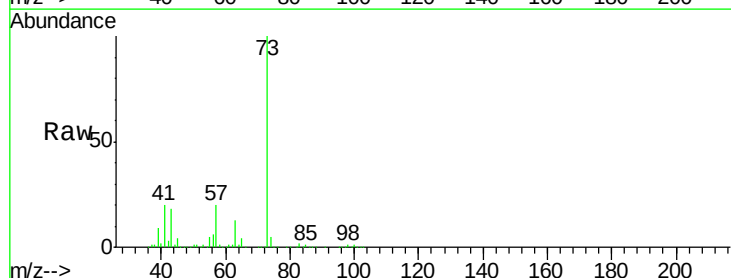
Acq: 10 Sep 2020 14:28

Tgt Ion: 73 Resp: 2104011

Ion Ratio Lower Upper

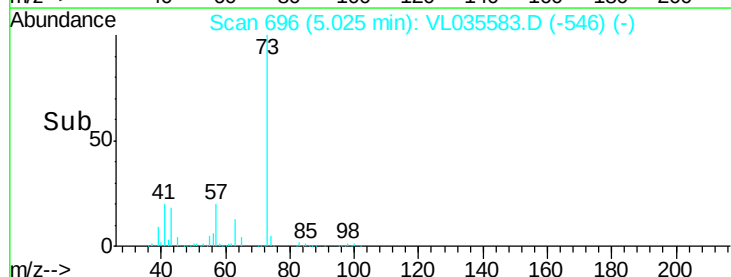
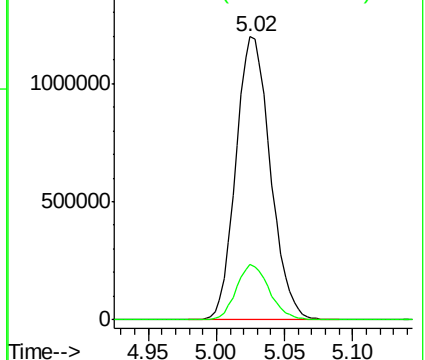
73 100

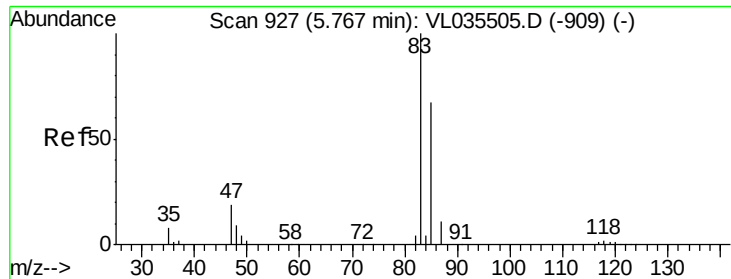
57 18.9 15.2 22.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





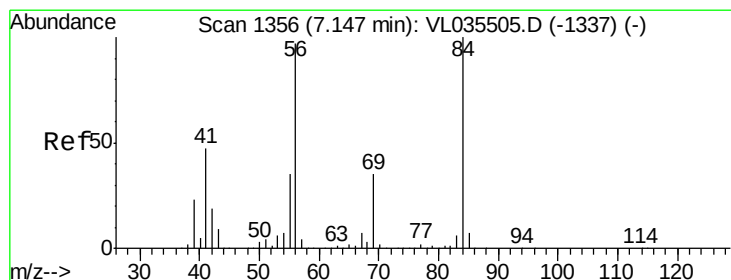
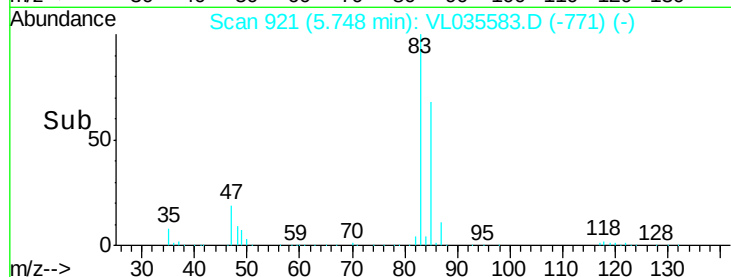
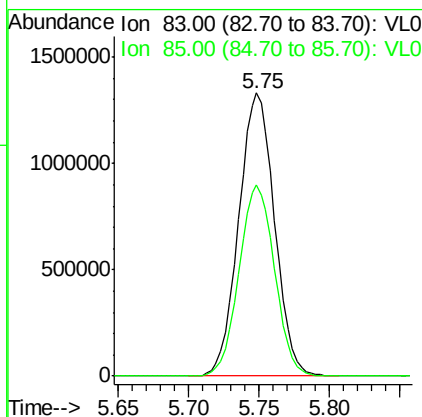
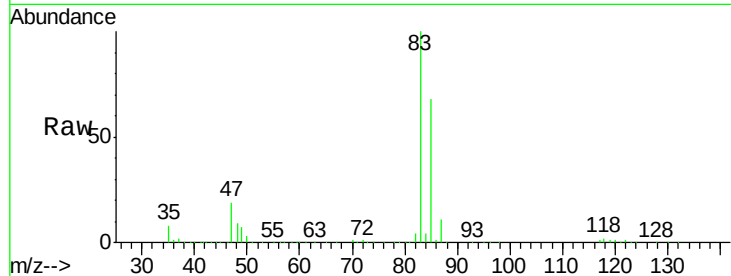
#29
Chloroform
Concen: 9.771 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion: 83 Resp: 2364968
Ion Ratio Lower Upper
83 100
85 67.5 53.9 80.9

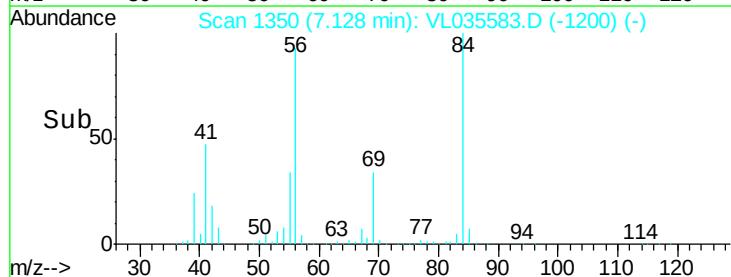
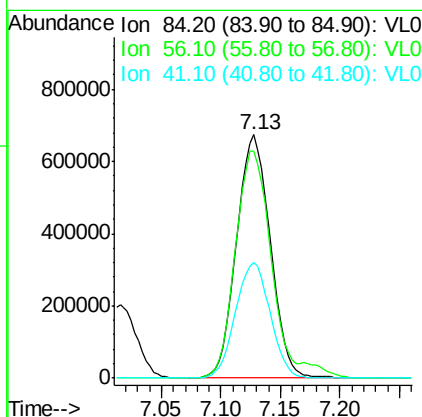
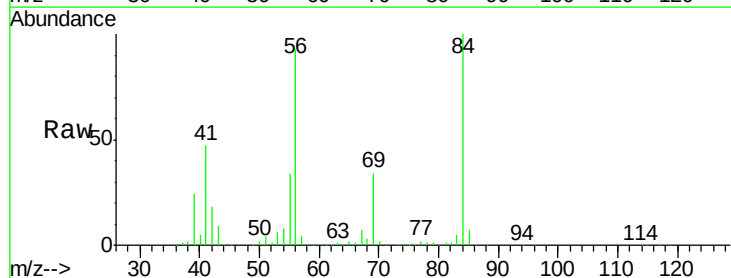
Manual Integrations
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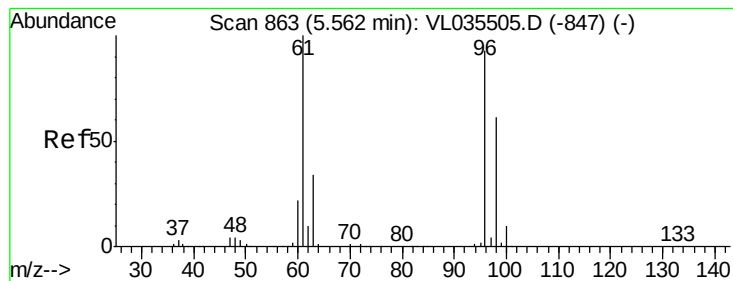
MMDadoda
9/11/2020 2:03:12 PM



#30
Cyclohexane
Concen: 10.441 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Tgt Ion: 84 Resp: 1328704
Ion Ratio Lower Upper
84 100
56 100.9 80.1 120.1
41 48.5 38.1 57.1





#31

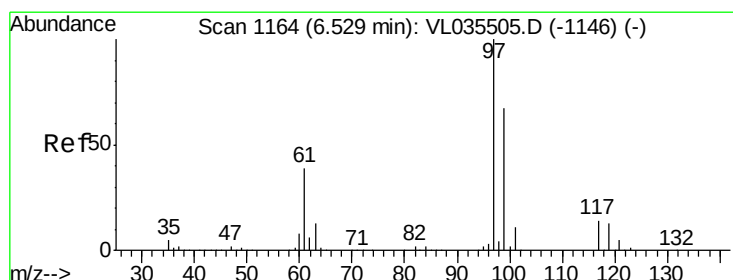
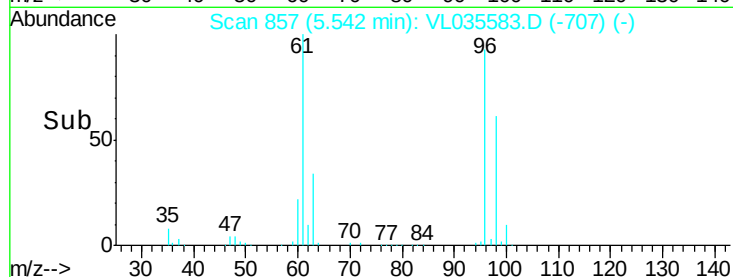
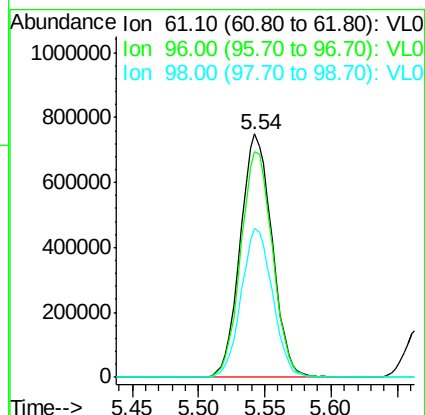
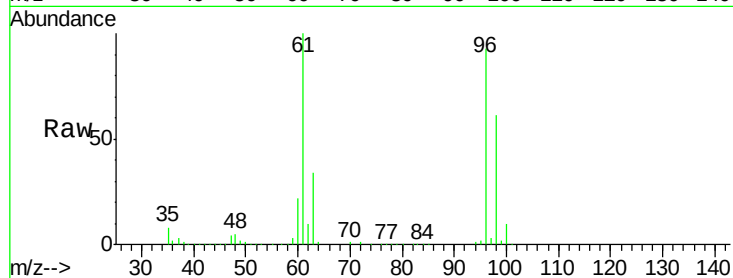
cis-1,2-Dichloroethene
 Concen: 10.263 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion: 61 Resp: 1250723
 Ion Ratio Lower Upper
 61 100
 96 92.7 74.4 111.6
 98 61.1 49.2 73.8

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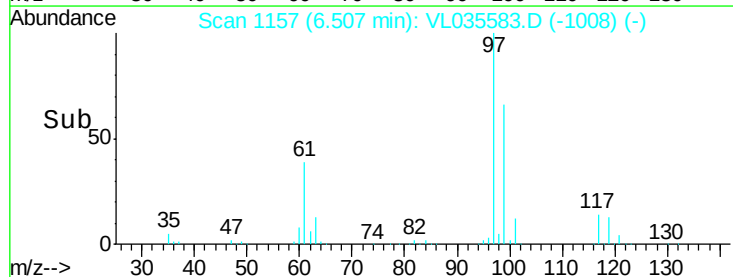
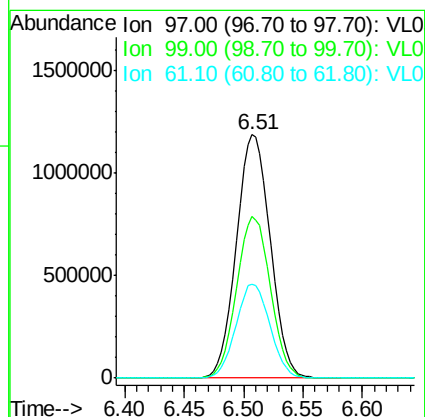
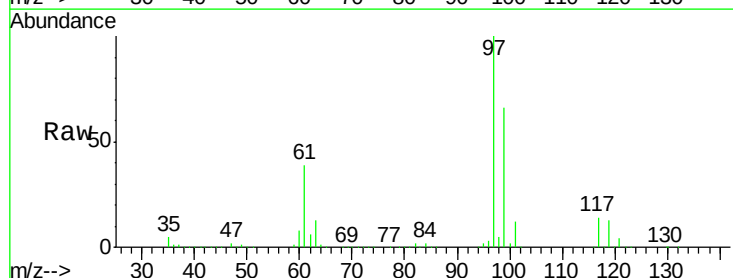
MMDadoda
 9/11/2020 2:03:12 PM

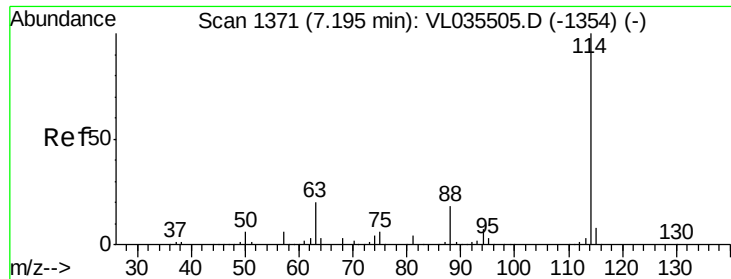


#32

1,1,1-Trichloroethane
 Concen: 10.010 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Tgt Ion: 97 Resp: 2350227
 Ion Ratio Lower Upper
 97 100
 99 66.1 53.3 79.9
 61 38.8 30.6 46.0





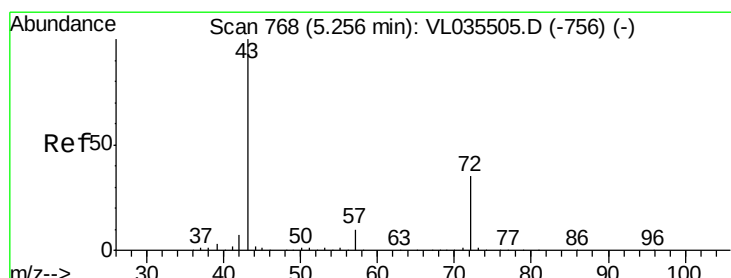
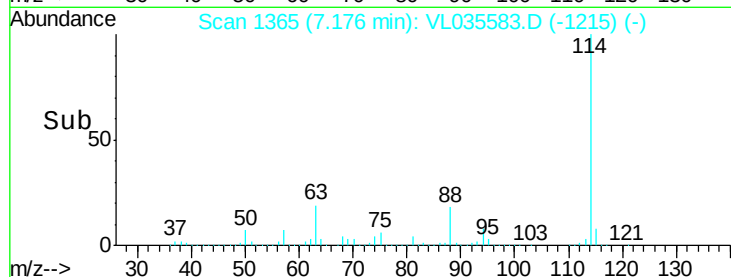
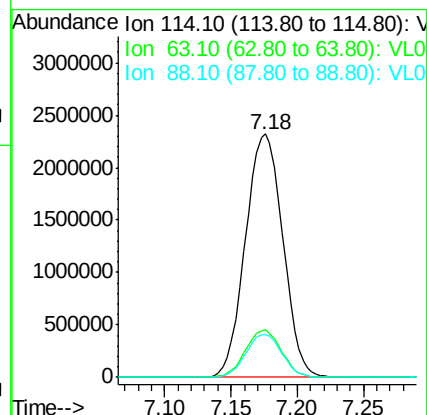
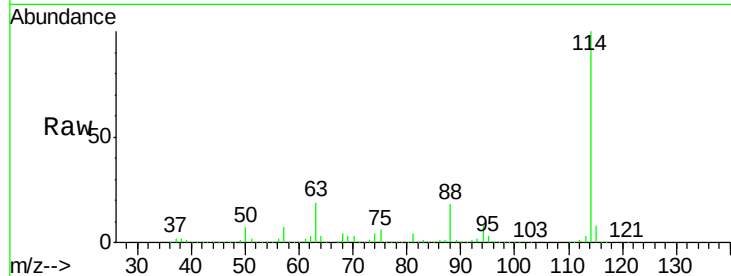
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.8	14.7	22.1
88	17.0	13.4	20.2

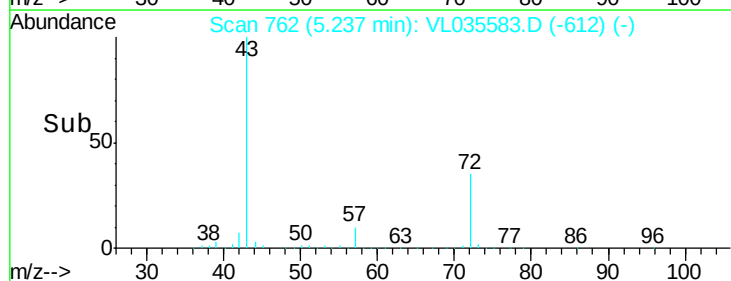
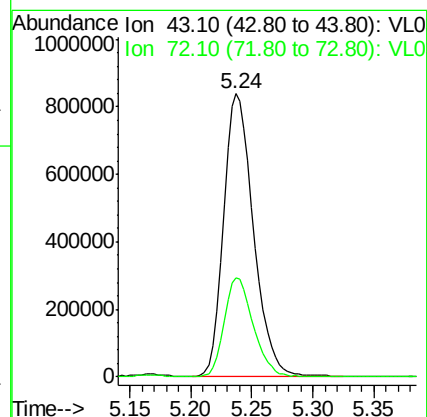
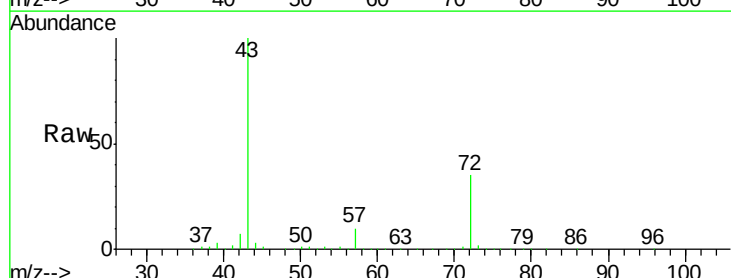
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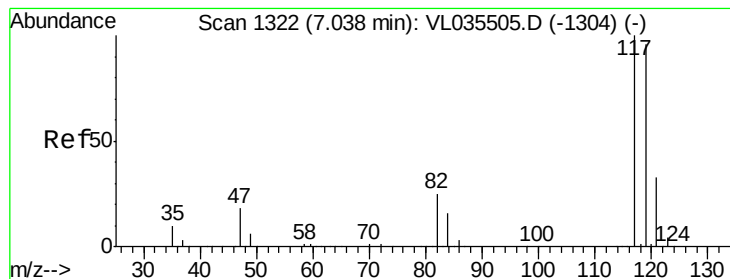
MMDadoda
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#34
 2-Butanone
 Concen: 10.571 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Tgt Ion	Ratio	Lower	Upper
43	100		
72	34.5	27.7	41.5





#35

Carbon Tetrachloride

Concen: 10.711 ppbv

RT: 7.02 min Scan# 1315

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion:117 Resp: 2460767

Ion Ratio Lower Upper

117 100

119 96.2 77.2 115.8

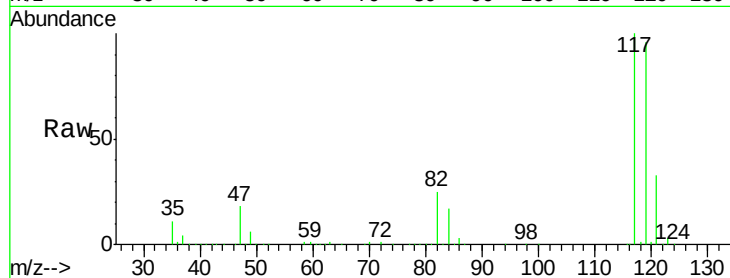
121 32.6 26.1 39.1

Manual Integrations

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MMDadoda

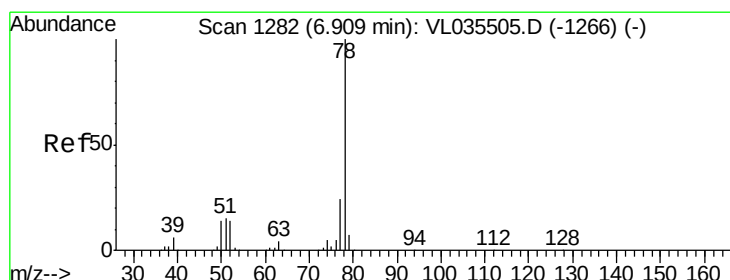
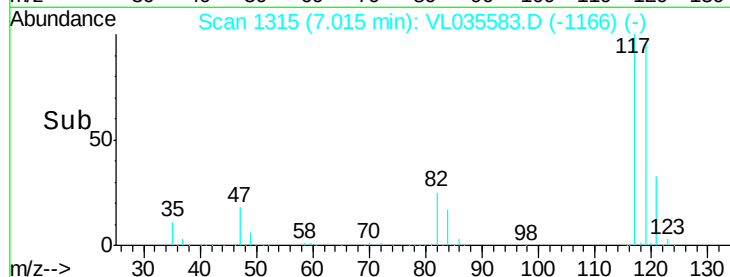
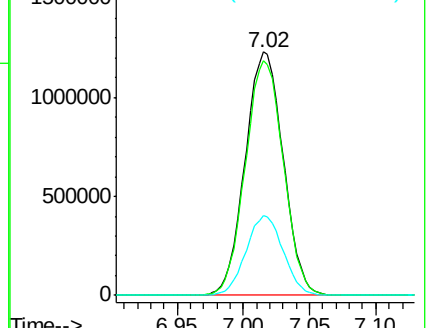
9/11/2020 2:03:12 PM



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: 10.306 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

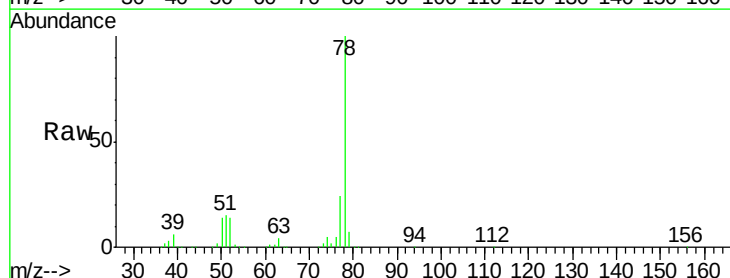
Tgt Ion: 78 Resp: 3049582

Ion Ratio Lower Upper

78 100

77 23.6 19.3 28.9

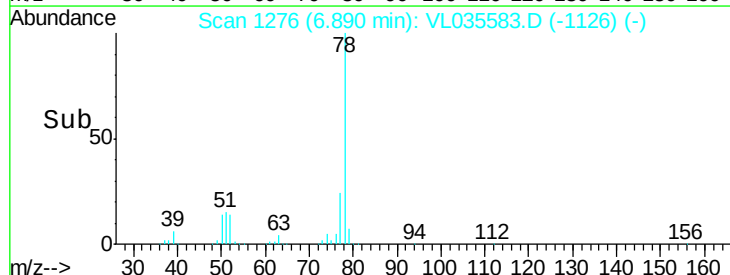
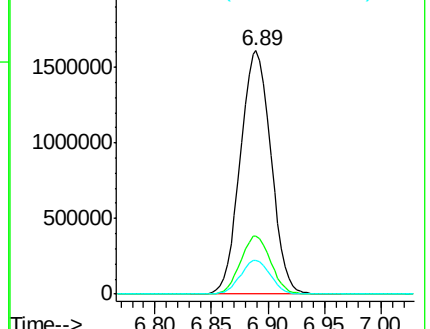
50 13.8 11.0 16.6

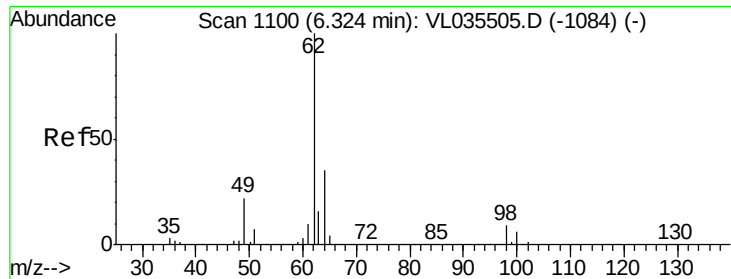


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





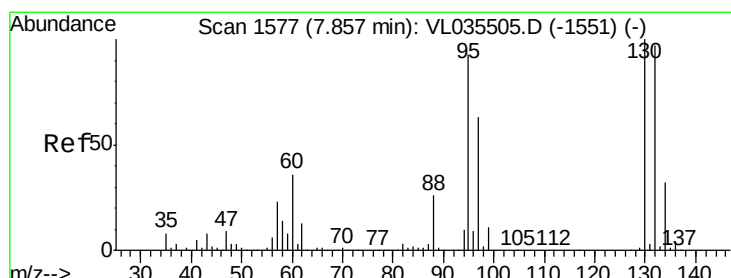
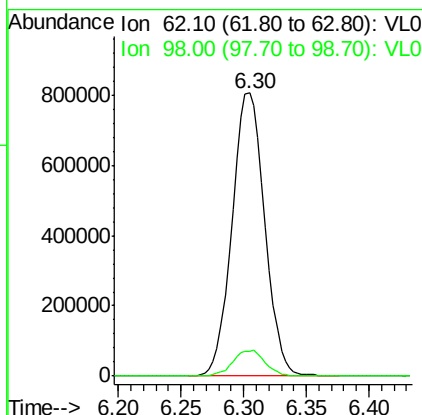
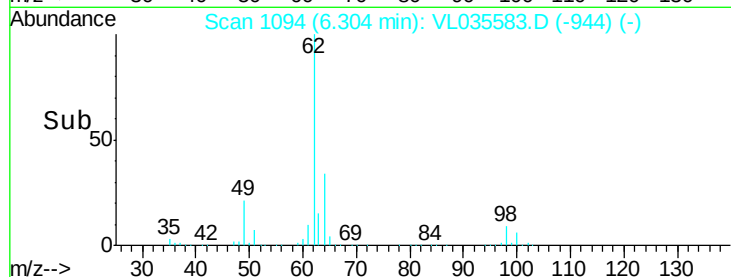
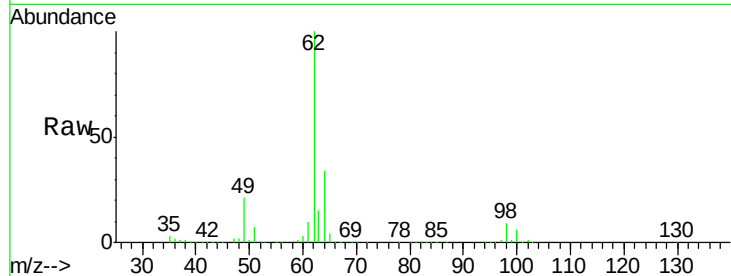
#37
 1,2-Dichloroethane
 Concen: 10.334 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion: 62 Resp: 1457913
 Ion Ratio Lower Upper
 62 100
 98 9.1 7.4 11.0

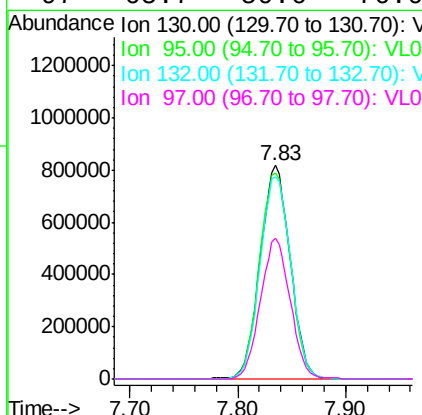
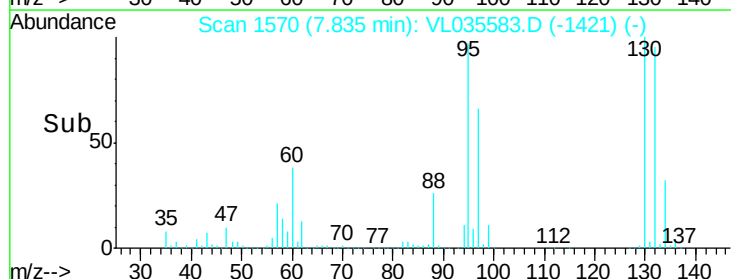
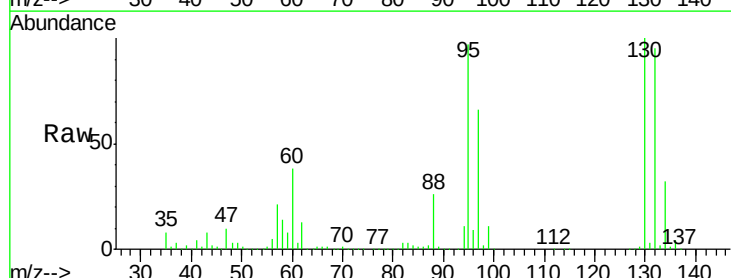
Manual Integrations
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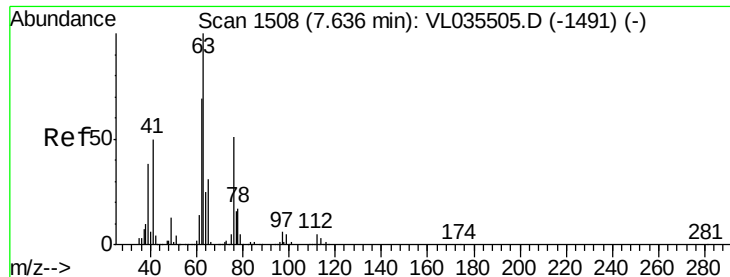
MMDadoda
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#38
 Trichloroethene
 Concen: 9.218 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Tgt Ion: 130 Resp: 1584411
 Ion Ratio Lower Upper
 130 100
 95 96.7 74.6 112.0
 132 94.8 77.6 116.4
 97 65.7 50.6 76.0





#39

1,2-Dichloropropane

Concen: 10.246 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 63 Resp: 1024161

Ion Ratio Lower Upper

63 100

41 52.0 40.0 60.0

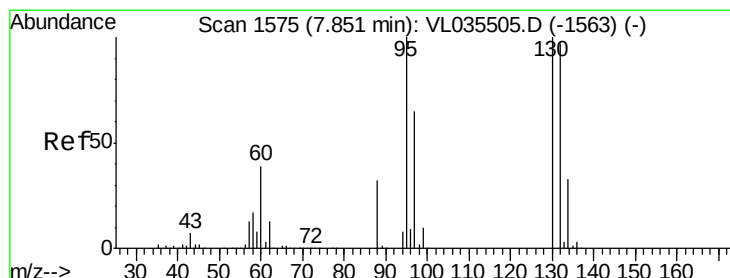
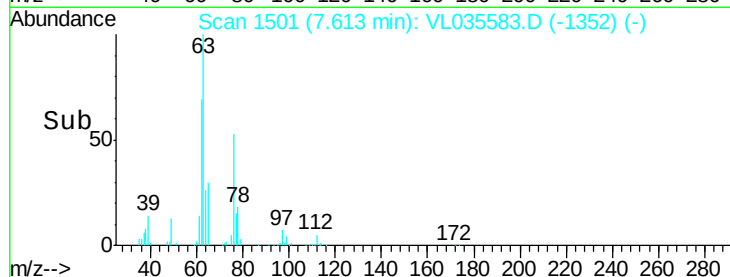
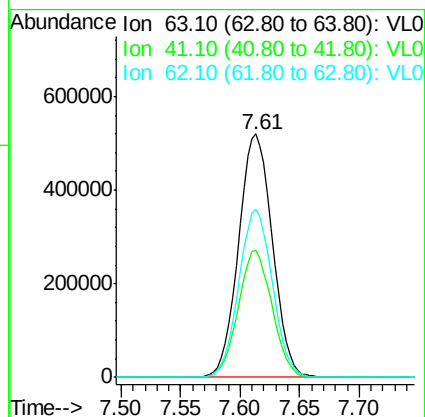
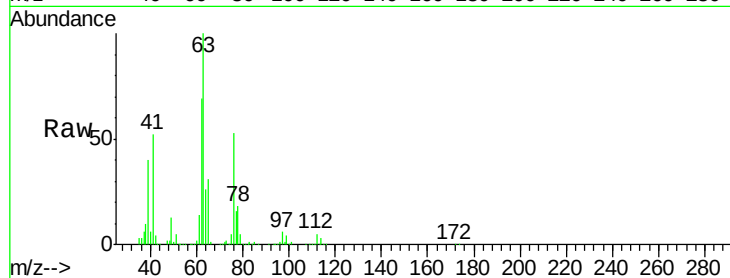
62 68.9 55.4 83.0

Manual Integrations

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9/11/2020 2:03:12 PM



#40

1,4-Dioxane

Concen: 10.292 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Tgt Ion: 88 Resp: 513960

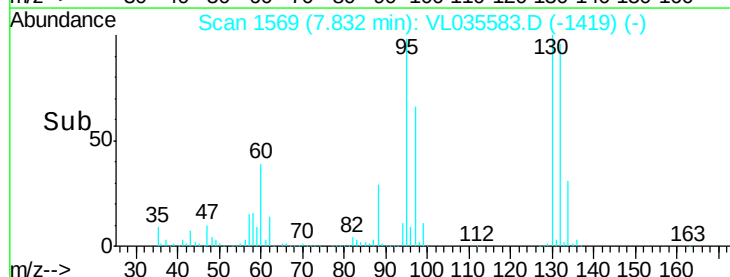
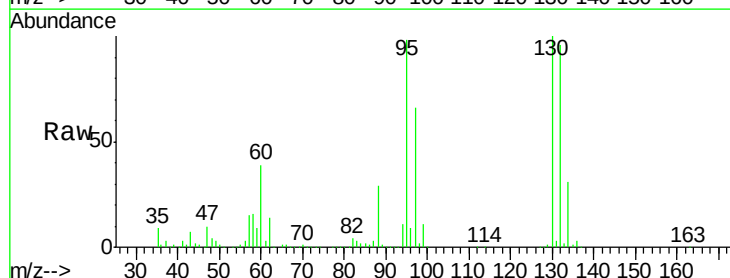
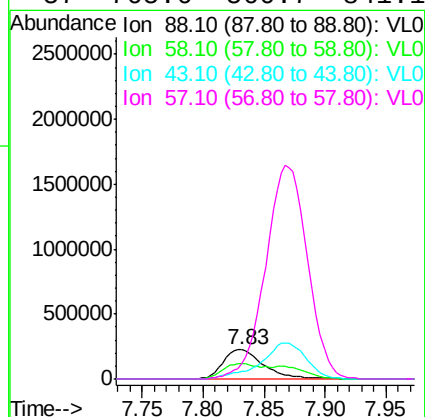
Ion Ratio Lower Upper

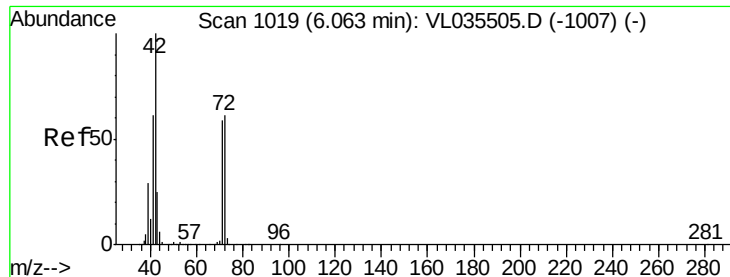
88 100

58 90.6 68.7 103.1

43 141.2 104.3 156.5

57 765.6 560.7 841.1





#41

Tetrahydrofuran

Concen: 11.137 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

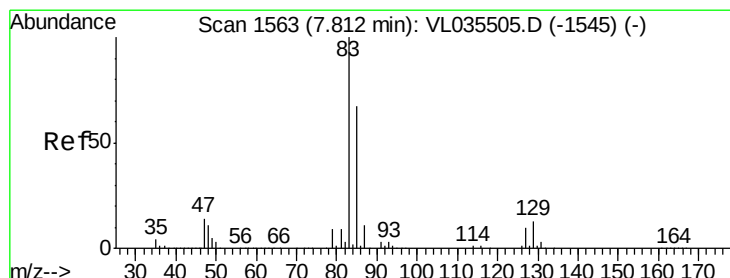
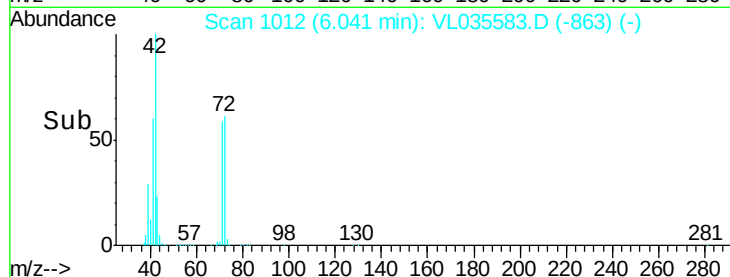
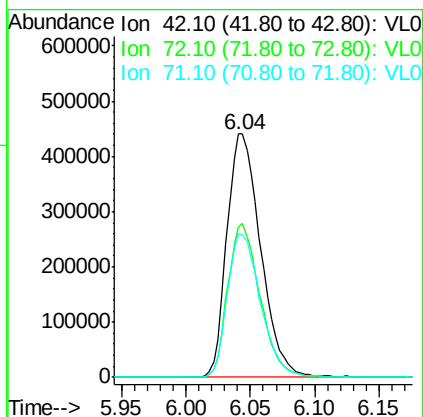
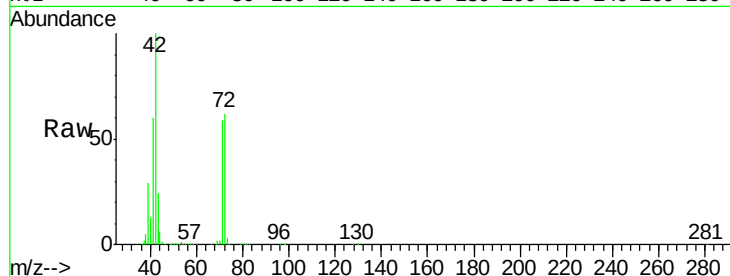
ClientSampleId :

VL0910ABS01

Tot Ion:	42	Resp:	801167
Ion	Ratio	Lower	Upper
42	100		
72	60.5	48.6	73.0
71	58.2	46.1	69.1

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.984 ppbv

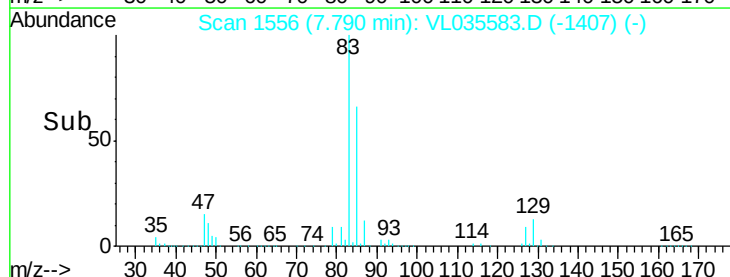
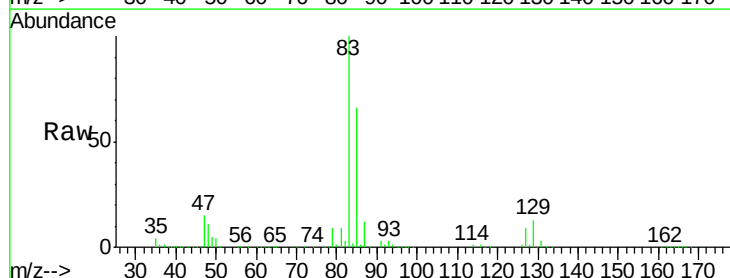
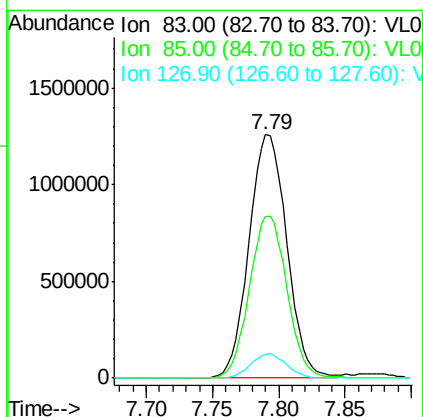
RT: 7.79 min Scan# 1556

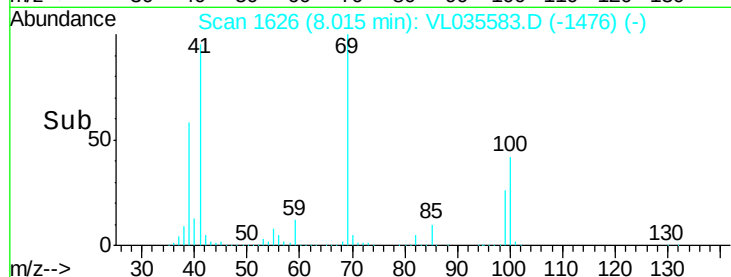
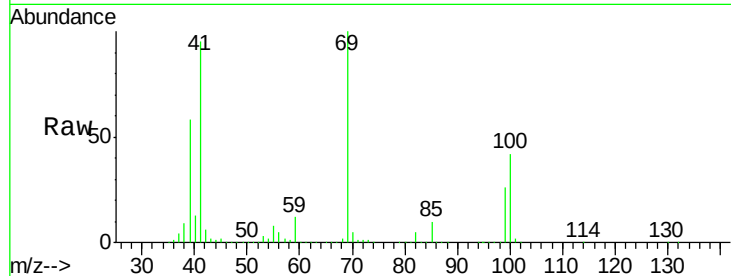
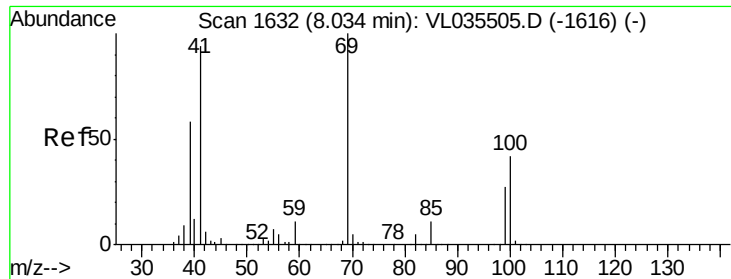
Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Tgt Ion:	83	Resp:	2505856
Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.7	80.5
127	9.5	8.1	12.1





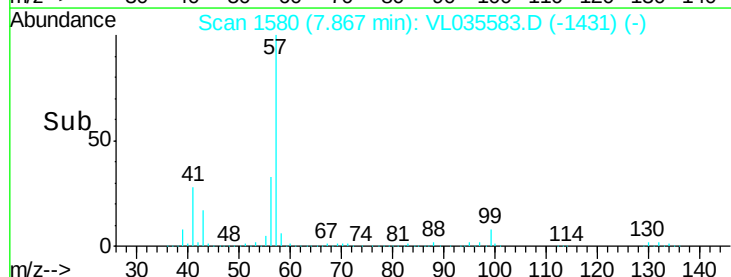
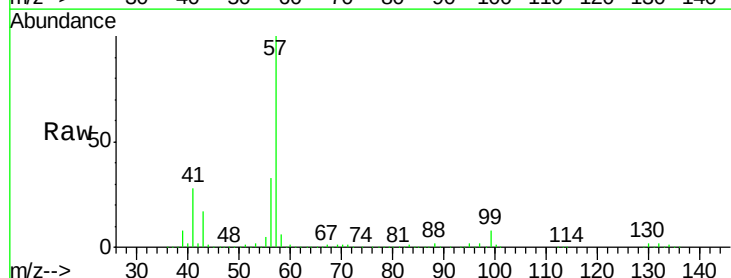
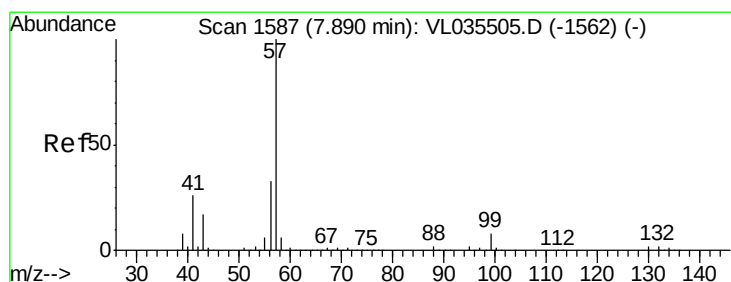
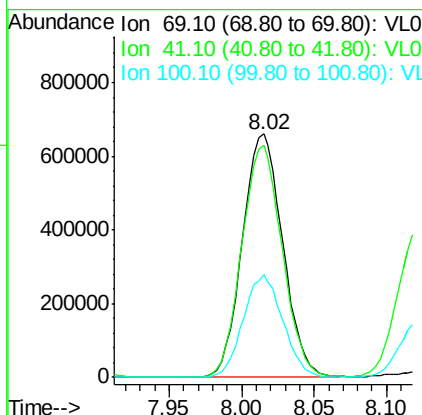
#43
Methyl Methacrylate
Concen: 11.156 ppbv
RT: 8.02 min Scan# 1626
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Tot Ion: 69 Resp: 1276464
Ion Ratio Lower Upper
69 100
41 95.4 76.6 114.8
100 41.4 33.8 50.6

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

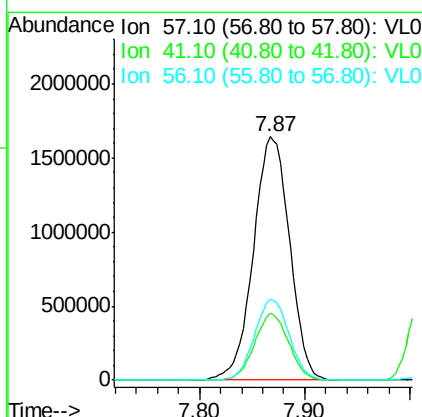
Manual Integrations
APPROVED

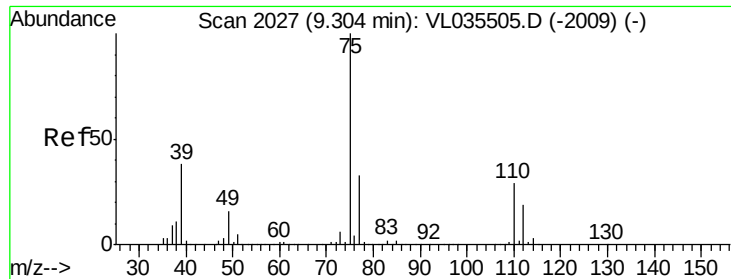
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 10.096 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Tgt Ion: 57 Resp: 3930695
Ion Ratio Lower Upper
57 100
41 25.8 20.5 30.7
56 31.8 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 12.561 ppbv

RT: 9.28 min Scan# 2020

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 75 Resp: 1455924

Ion Ratio Lower Upper

75 100

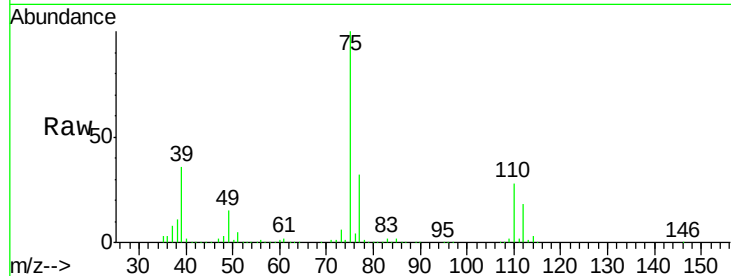
77 32.5 26.5 39.7

Manual Integrations

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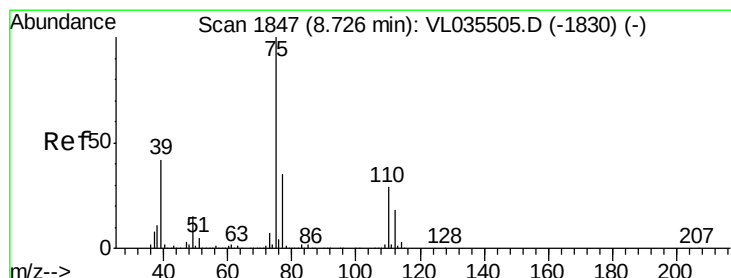
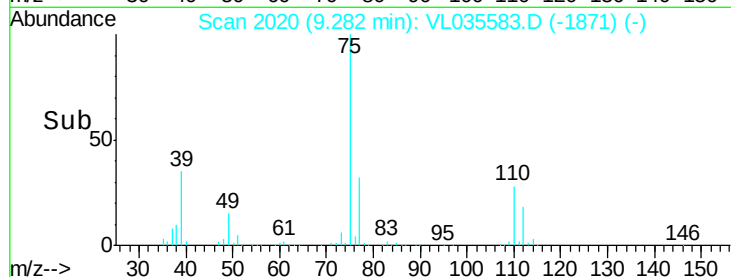
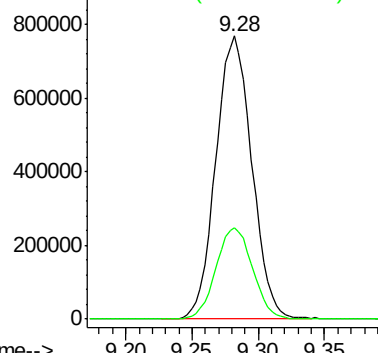
MMDadoda

9/11/2020 2:03:12 PM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.899 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

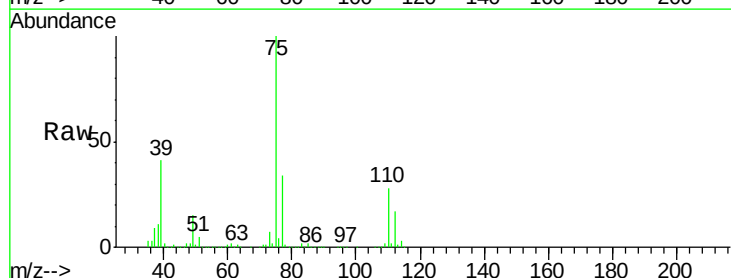
Tgt Ion: 75 Resp: 1712507

Ion Ratio Lower Upper

75 100

39 41.4 33.7 50.5

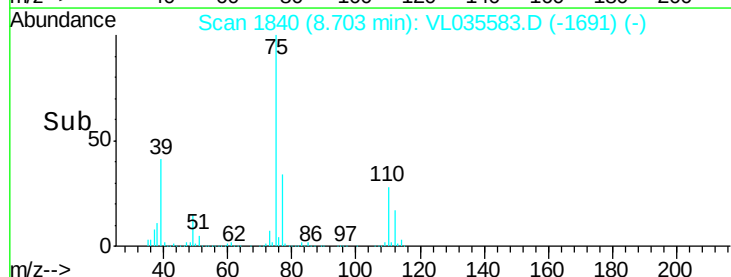
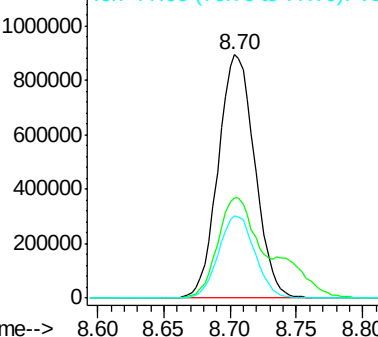
77 33.8 27.8 41.6

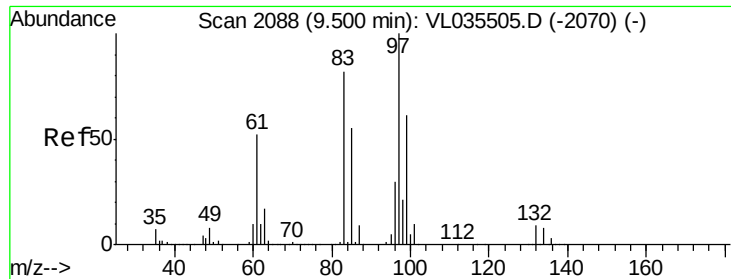


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





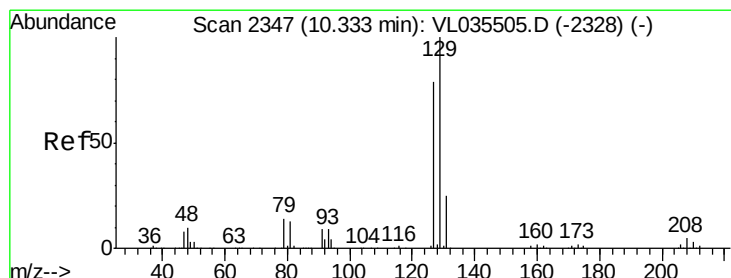
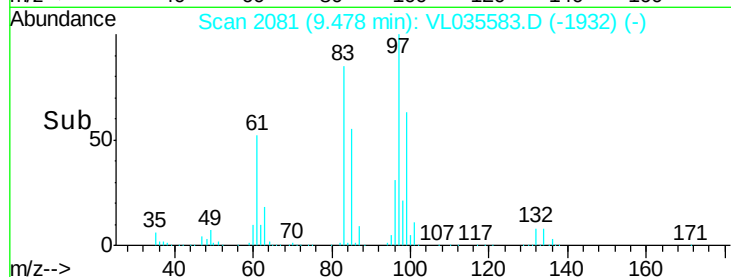
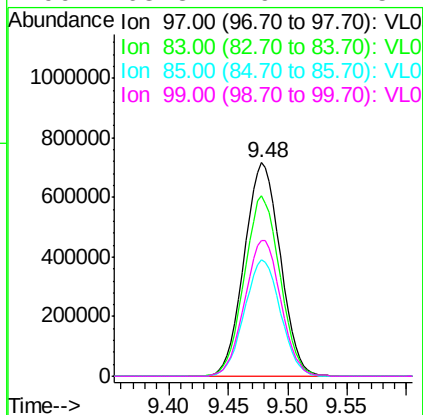
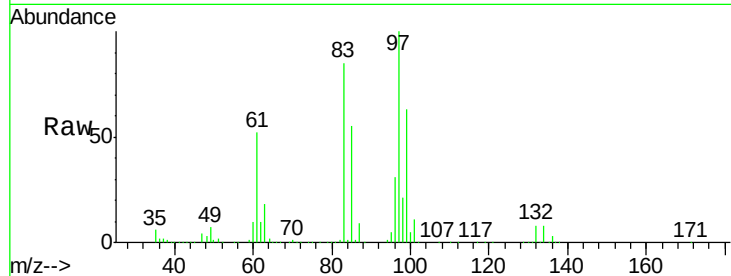
#47
 1,1,2-Trichloroethane
 Concen: 10.207 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.7	65.4	98.2
85	54.8	43.7	65.5
99	63.3	49.1	73.7

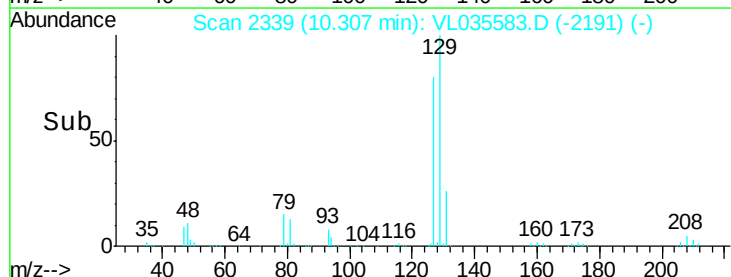
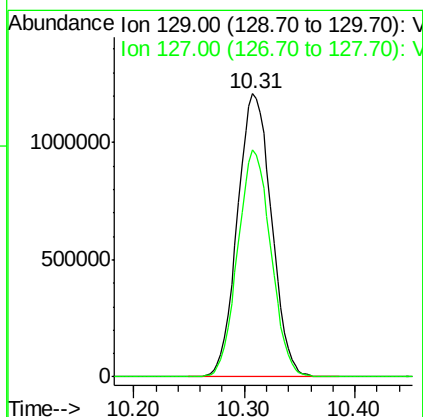
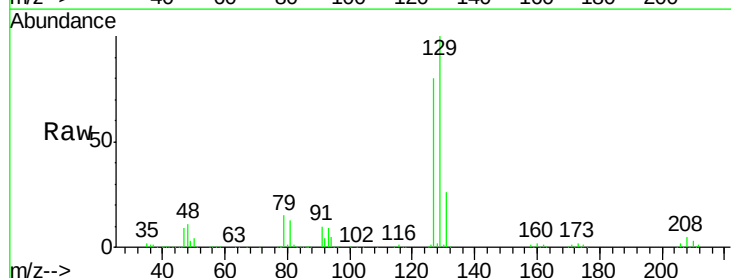
Manual Integrations
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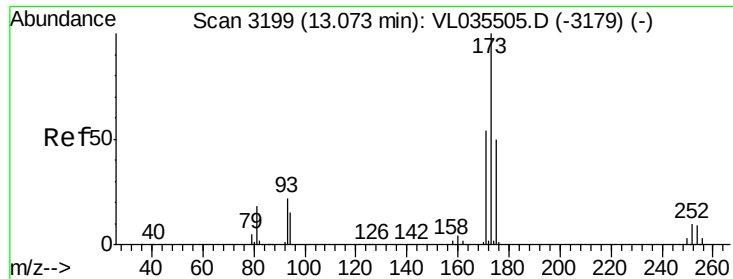
MMDadoda
 9/11/2020 2:03:12 PM



#48
 Dibromochloromethane
 Concen: 11.142 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. -0.03 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.3	117.8





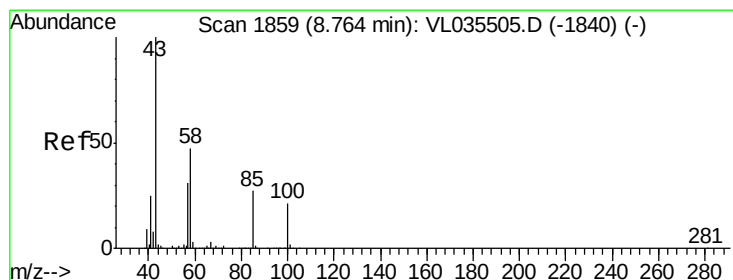
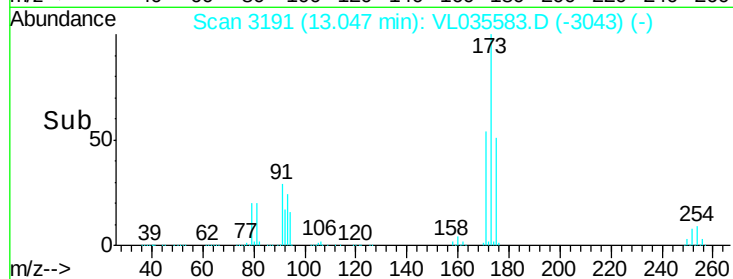
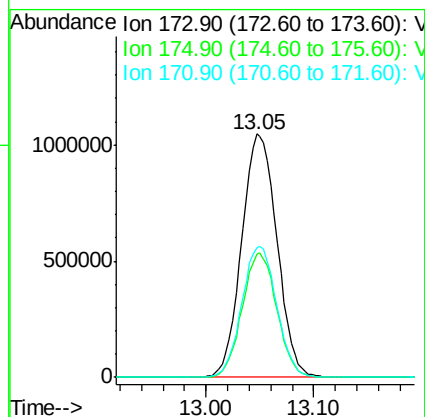
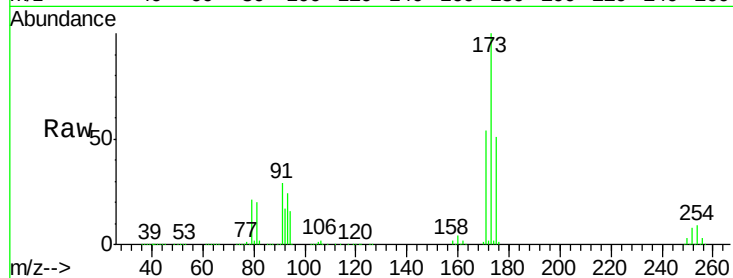
#49
Bromoform
Concen: 11.323 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. -0.03 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion:173 Resp: 2382145
Ion Ratio Lower Upper
173 100
175 50.2 39.8 59.8
171 53.3 42.4 63.6

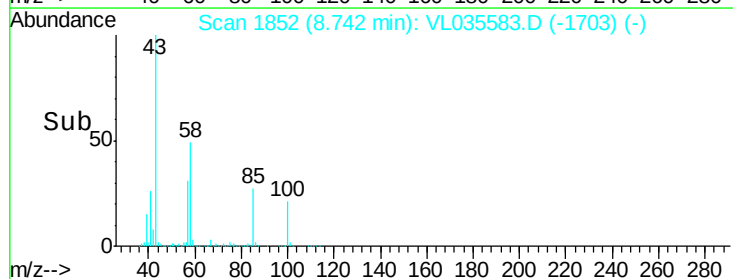
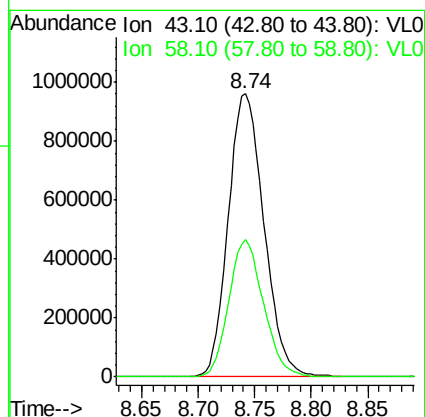
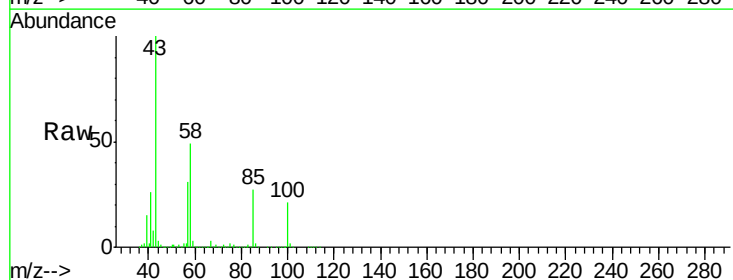
Manual Integrations
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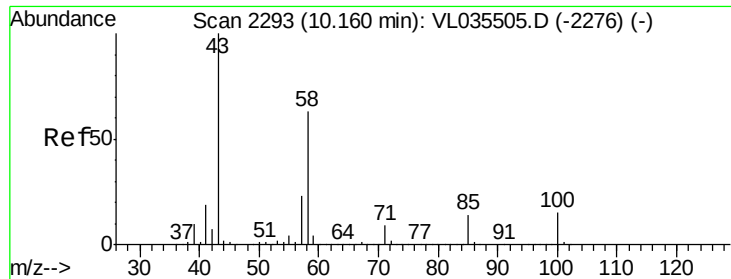
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 10.764 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Tgt Ion: 43 Resp: 2114598
Ion Ratio Lower Upper
43 100
58 47.1 37.4 56.0





#51

2-Hexanone

Concen: 11.428 ppbv

RT: 10.13 min Scan# 2285

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 43 Resp: 1841659

Ion Ratio Lower Upper

43 100

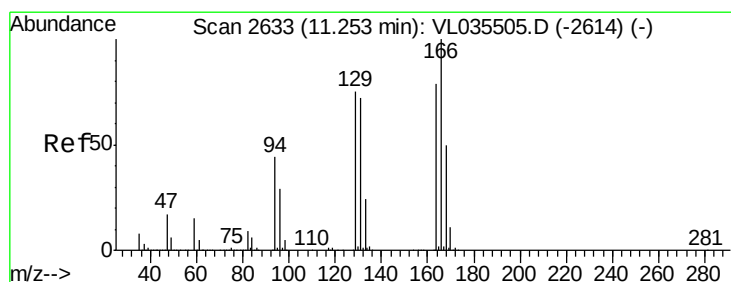
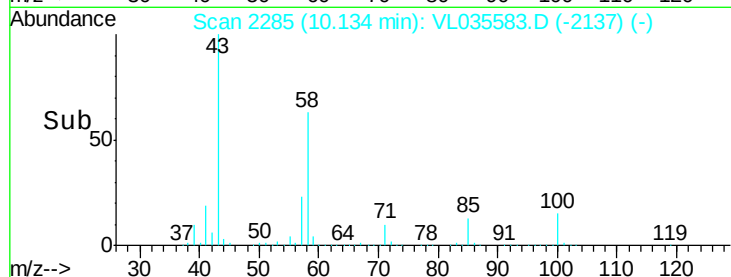
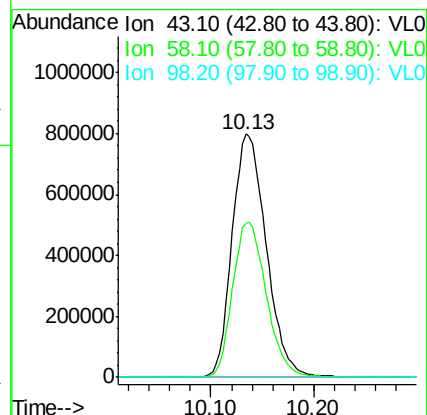
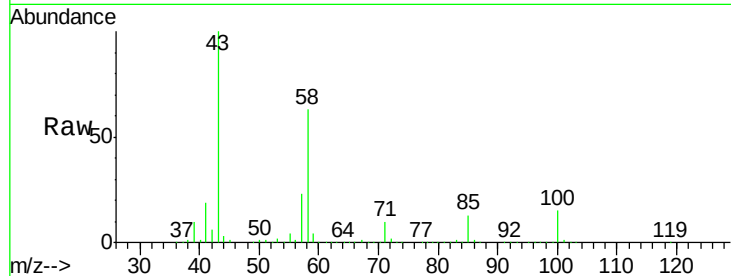
58 63.1 50.2 75.4

98 0.6 0.4 0.6

Manual Integrations
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9/11/2020 2:03:12 PM



#52

Tetrachloroethene

Concen: 9.224 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Tgt Ion: 164 Resp: 1594598

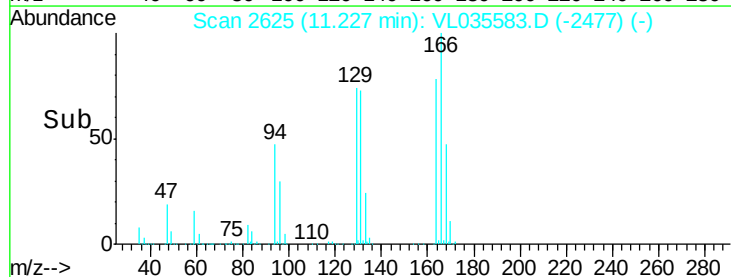
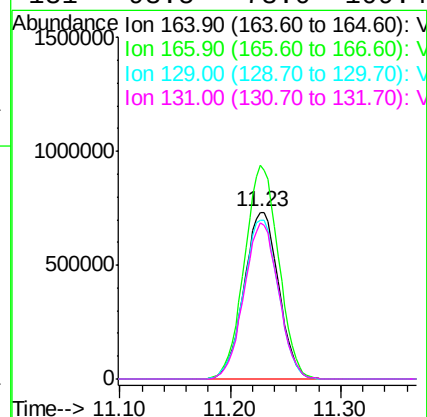
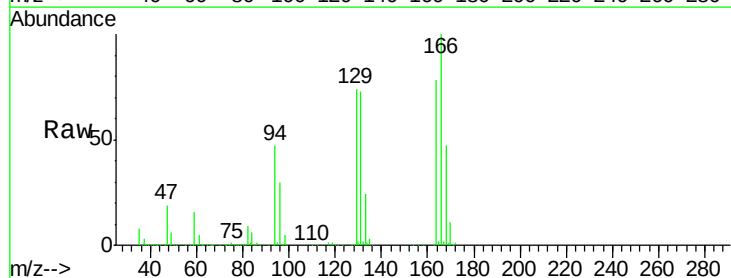
Ion Ratio Lower Upper

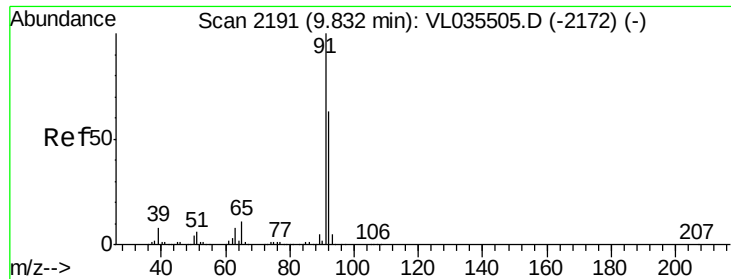
164 100

166 128.2 100.9 151.3

129 95.0 75.3 112.9

131 93.5 73.0 109.4





#53

Toluene

Concen: 10.400 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 91 Resp: 3870043

Ion Ratio Lower Upper

91 100

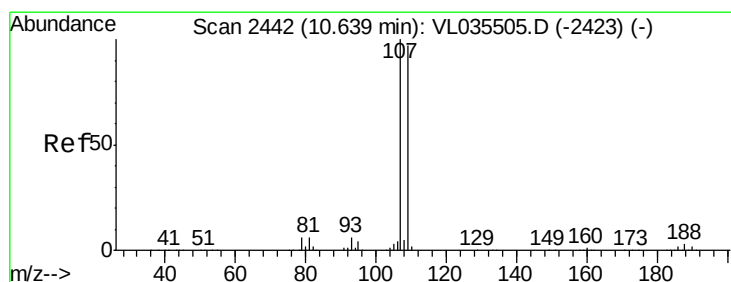
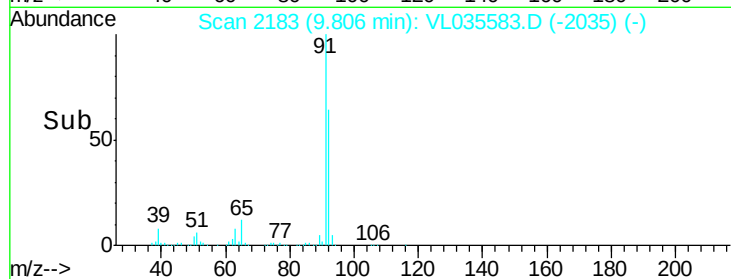
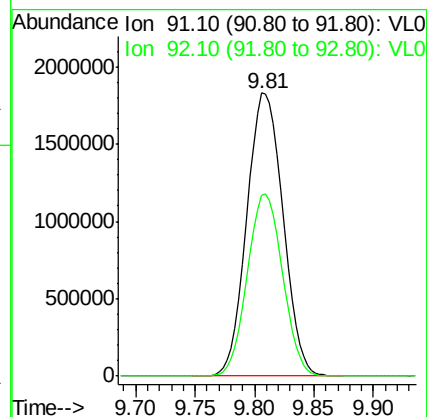
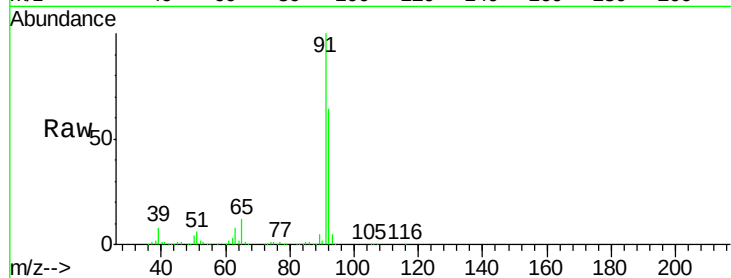
92 62.8 49.8 74.8

Manual Integrations

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9/11/2020 2:03:12 PM



#54

1,2-Dibromoethane

Concen: 10.314 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.02 min

Lab File: VL035583.D

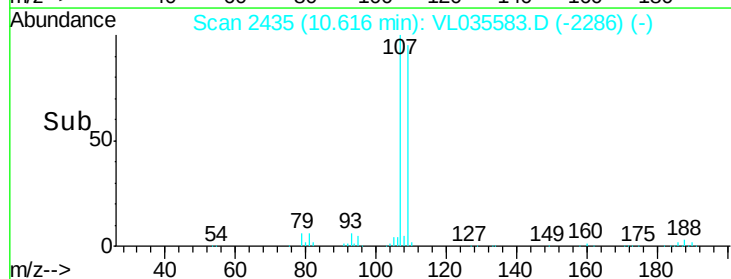
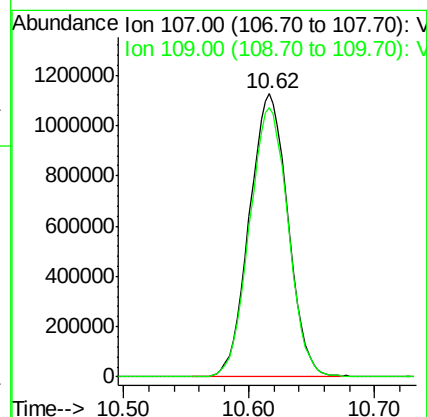
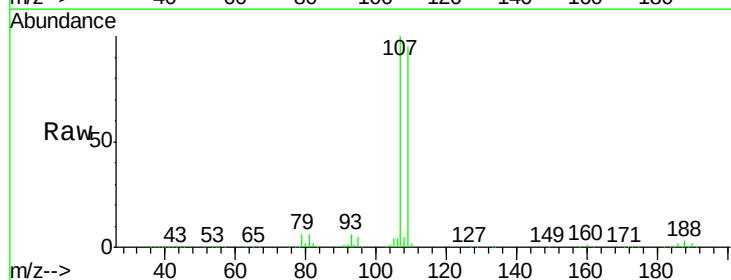
Acq: 10 Sep 2020 14:28

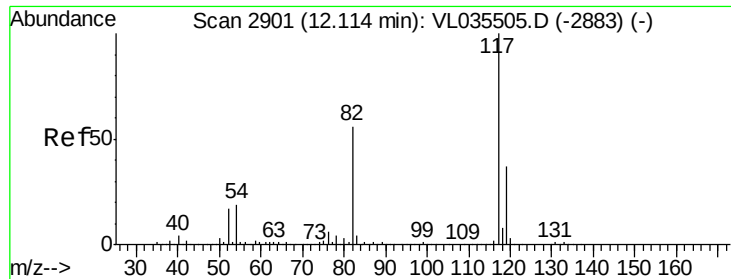
Tgt Ion: 107 Resp: 2403977

Ion Ratio Lower Upper

107 100

109 95.4 77.8 116.8





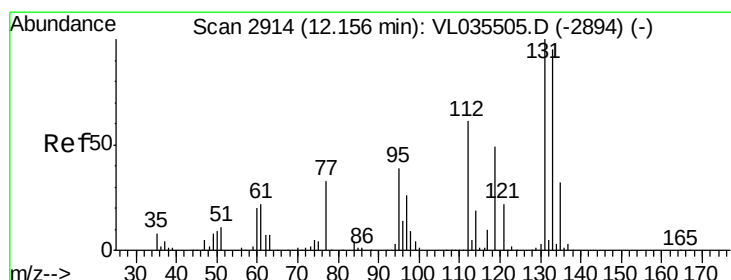
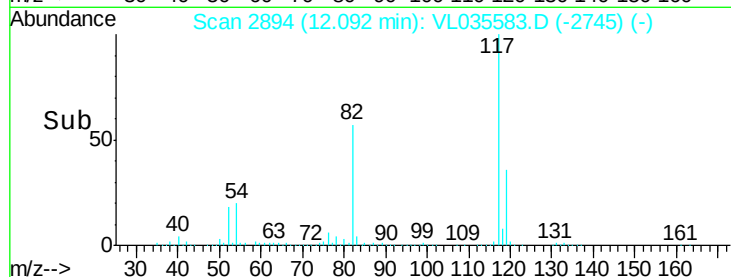
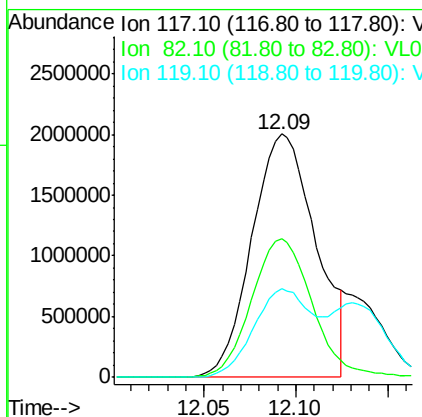
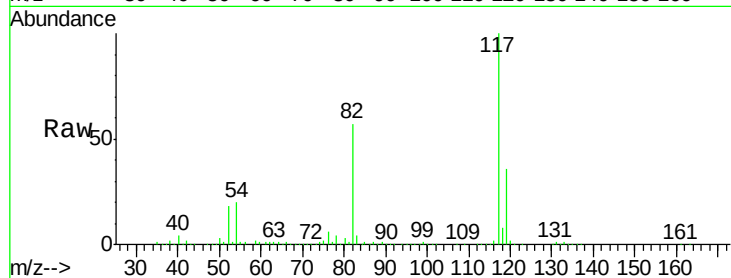
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2894
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion:117 Resp: 4839714
Ion Ratio Lower Upper
117 100
82 54.3 41.6 62.4
119 33.7 29.3 43.9

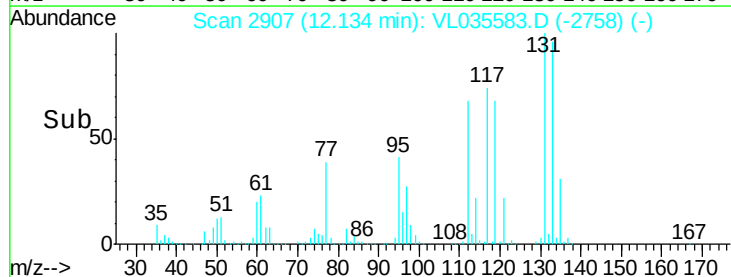
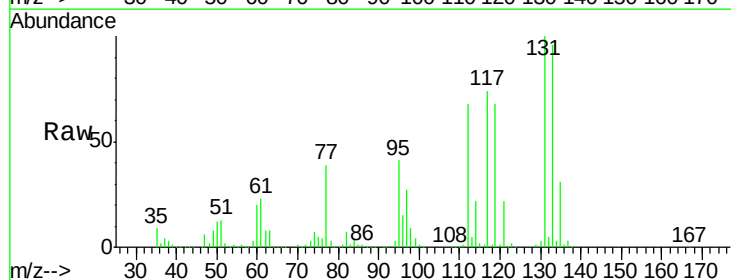
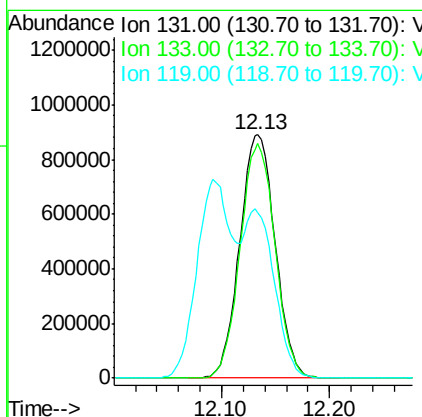
Manual Integrations
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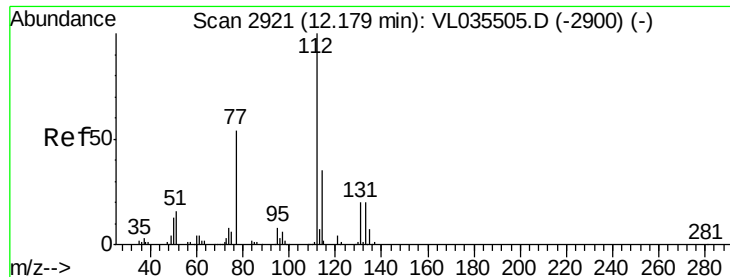
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.322 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Tgt Ion:131 Resp: 2032592
Ion Ratio Lower Upper
131 100
133 95.3 76.6 115.0
119 58.0 51.6 77.4





#57

Chlorobenzene

Concen: 9.416 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion:112 Resp: 3354000

Ion Ratio Lower Upper

112 100

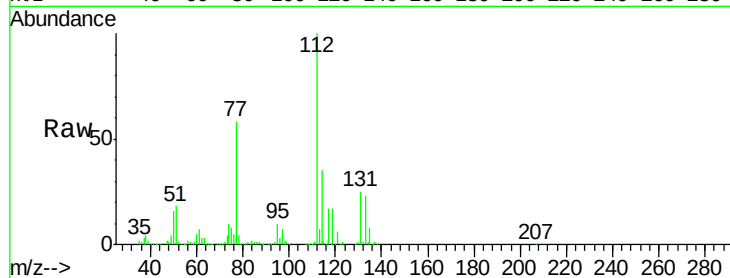
77 58.0 44.2 66.4

114 34.7 31.6 38.6

Manual Integrations
APPROVED

MMDadoda

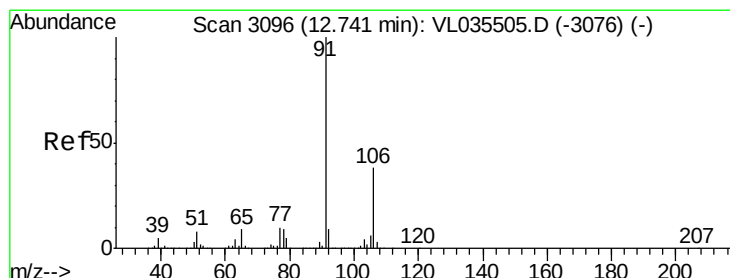
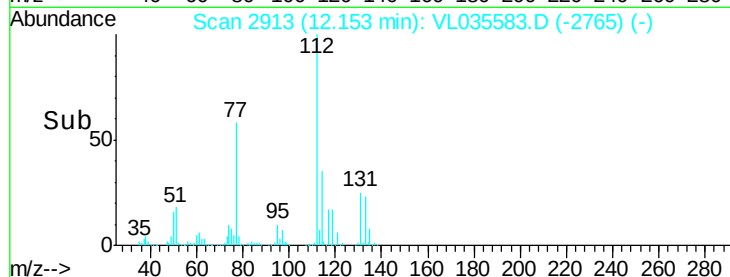
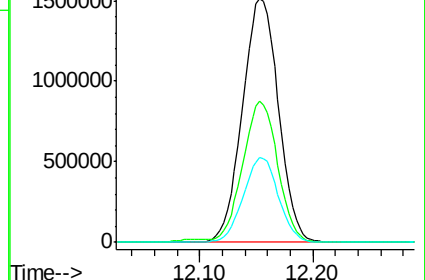
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.236 ppbv

RT: 12.72 min Scan# 3089

Delta R.T. -0.02 min

Lab File: VL035583.D

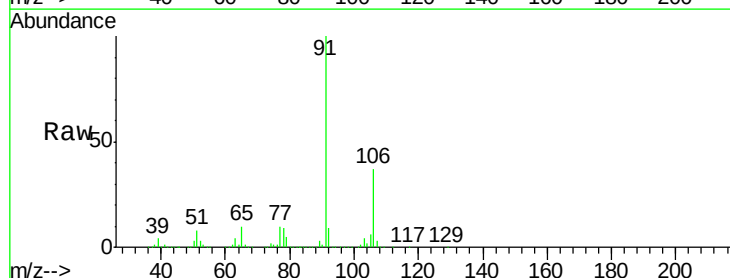
Acq: 10 Sep 2020 14:28

Tgt Ion: 91 Resp: 5108666

Ion Ratio Lower Upper

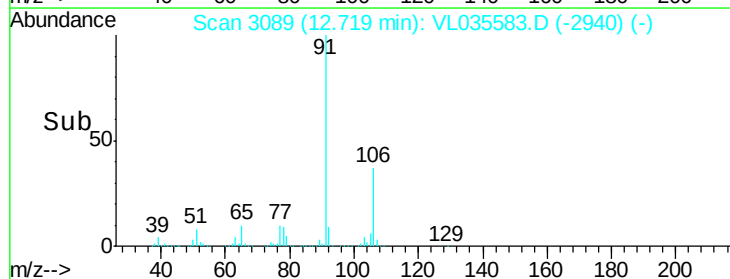
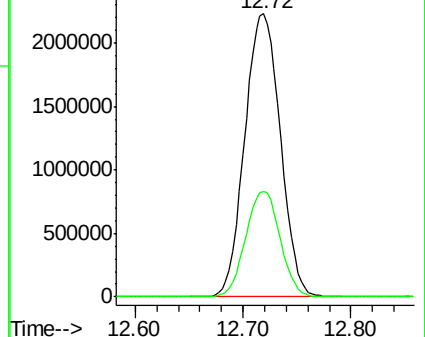
91 100

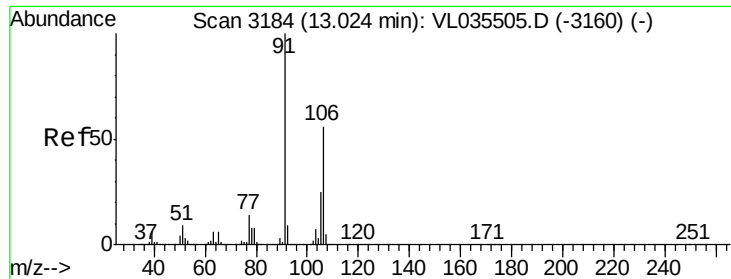
106 37.1 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





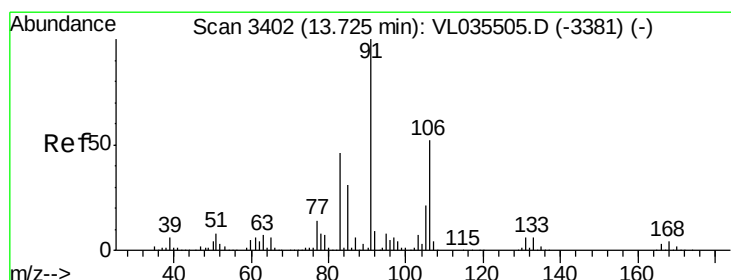
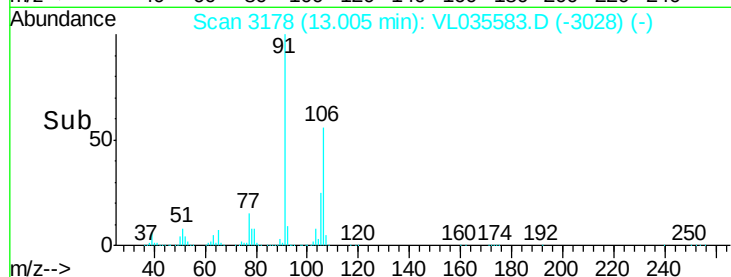
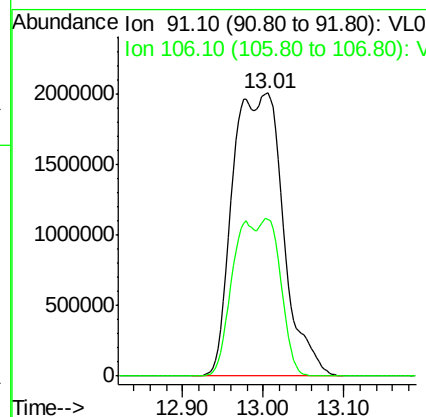
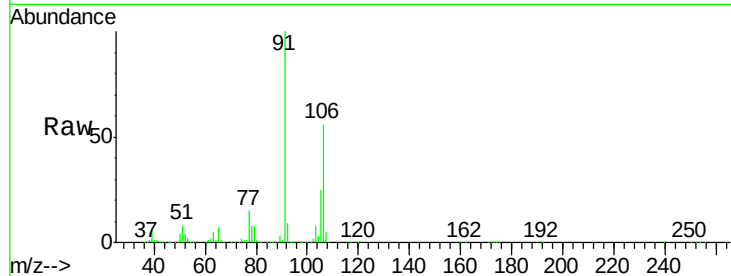
#59
m/p-Xylene
Concen: 20.790 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion: 91 Resp: 8669747
Ion Ratio Lower Upper
91 100
106 51.1 43.4 65.2

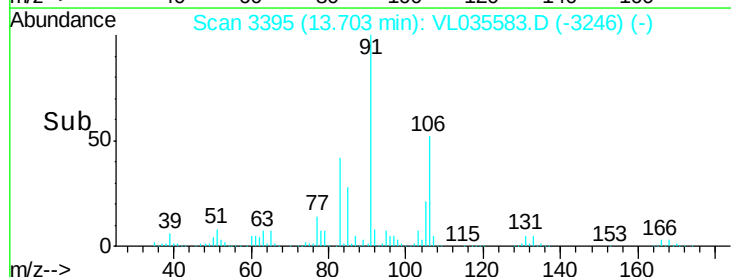
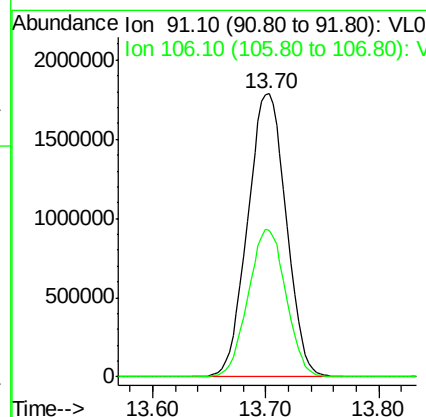
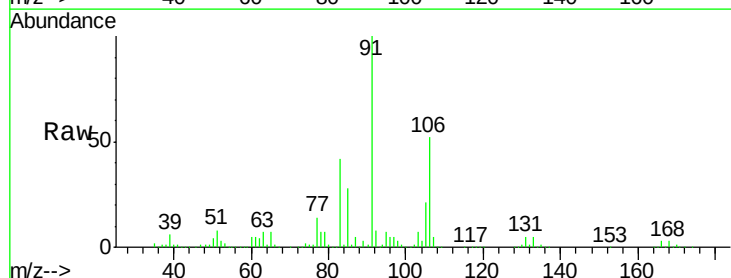
Manual Integrations
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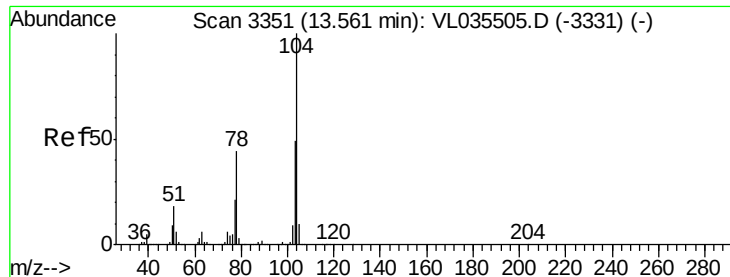
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#60
o-Xylene
Concen: 10.054 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Tgt Ion: 91 Resp: 4222769
Ion Ratio Lower Upper
91 100
106 51.1 25.8 77.4





#61

Stvrene

Concen: 10.770 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion:104 Resp: 3459649

Ion Ratio Lower Upper

104 100

78 44.7 34.8 52.2

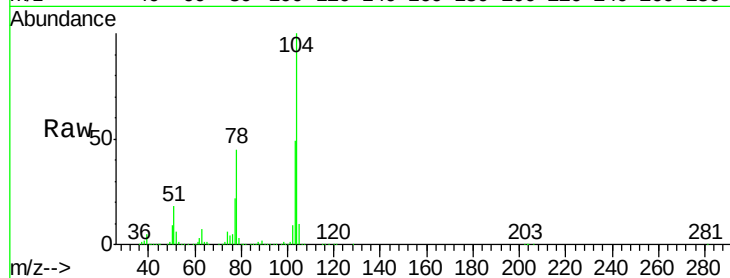
103 48.0 38.2 57.4

Manual Integrations

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MMDadoda

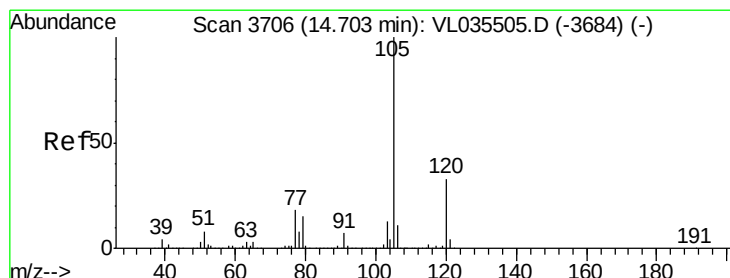
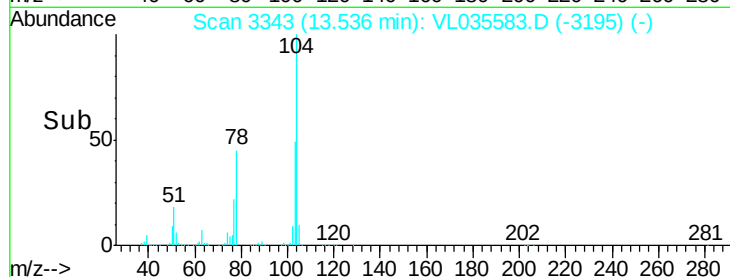
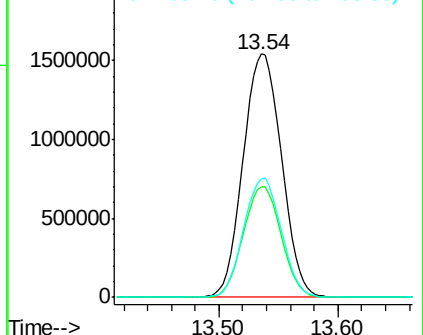
9/11/2020 2:03:12 PM



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: 9.544 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. -0.02 min

Lab File: VL035583.D

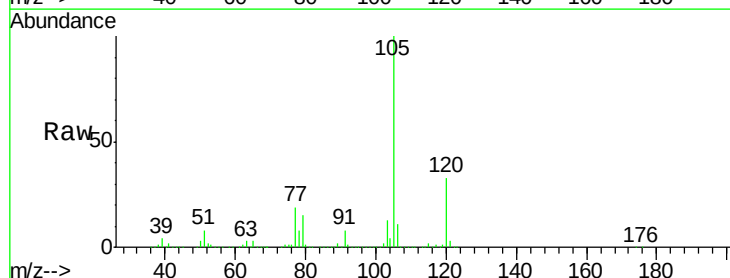
Acq: 10 Sep 2020 14:28

Tgt Ion:105 Resp: 6438931

Ion Ratio Lower Upper

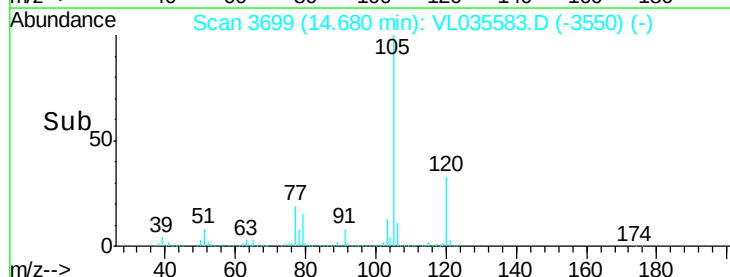
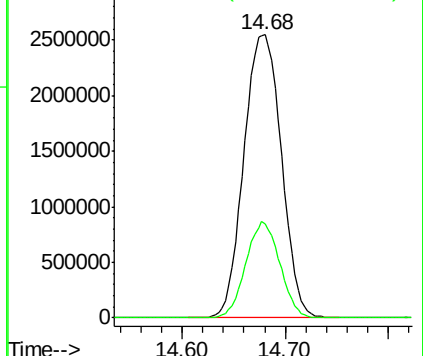
105 100

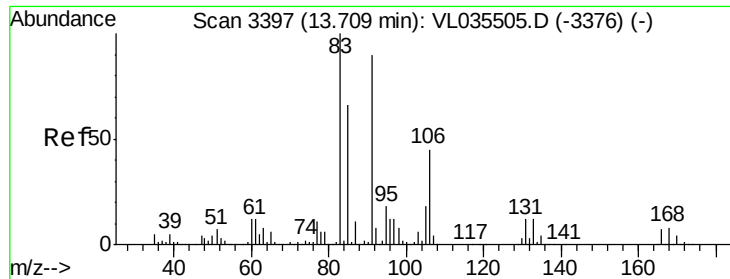
120 30.9 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





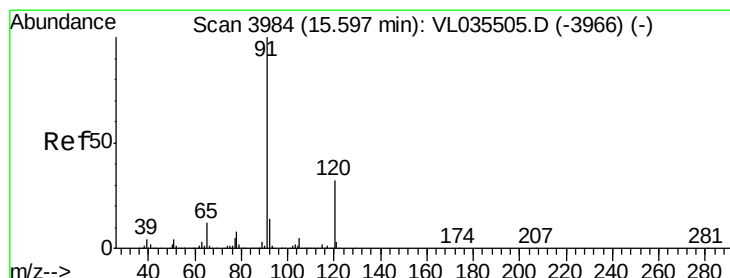
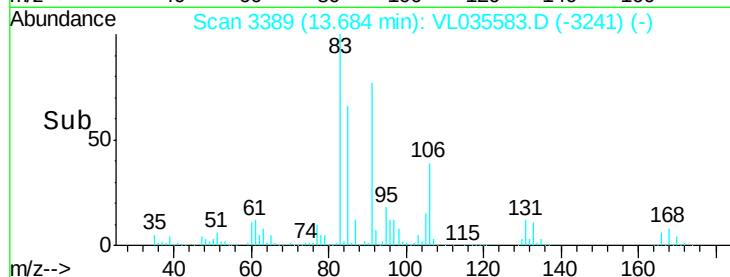
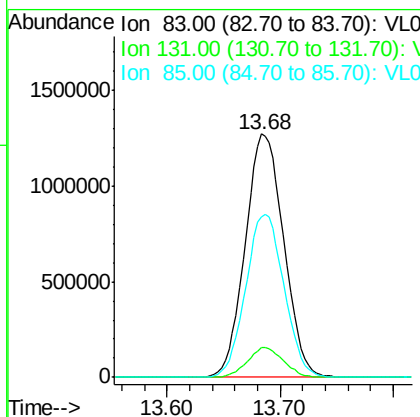
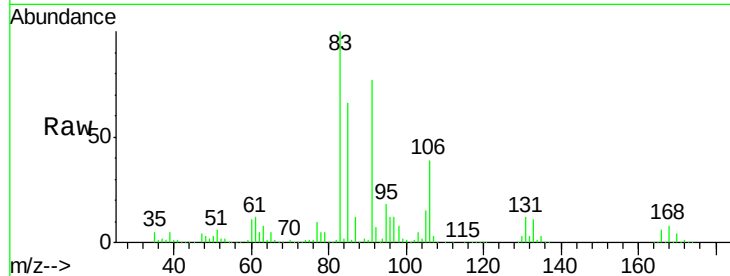
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.253 ppbv
 RT: 13.68 min Scan# 3389
 Delta R.T. -0.03 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion: 83 Resp: 3013093
 Ion Ratio Lower Upper
 83 100
 131 11.4 6.0 18.0
 85 66.9 33.4 100.2

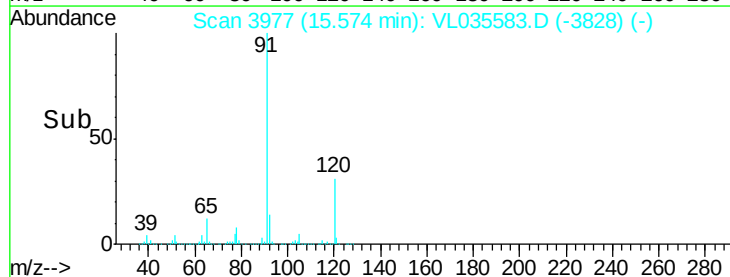
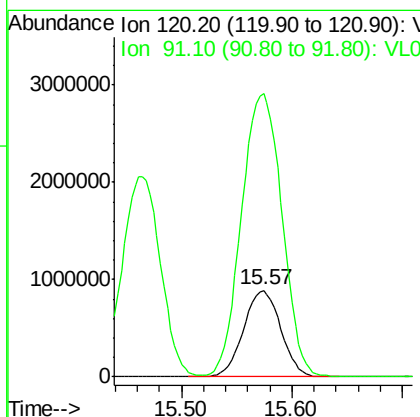
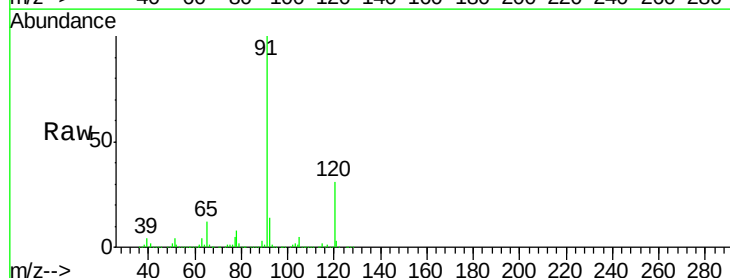
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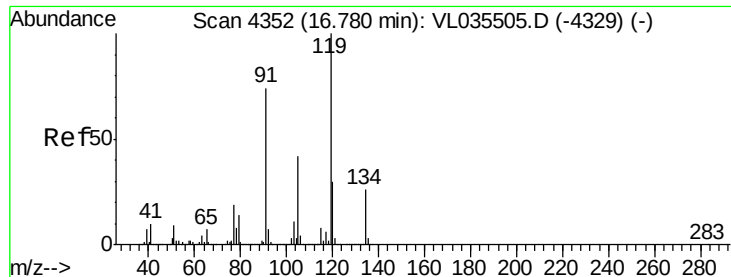
MMDadoda
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#64
 n-propylbenzene
 Concen: 10.074 ppbv
 RT: 15.57 min Scan# 3977
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Tgt Ion:120 Resp: 2074248
 Ion Ratio Lower Upper
 120 100
 91 358.4 279.4 419.0





#65

tert-Butylbenzene

Concen: 9.707 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion:119 Resp: 6088128

Ion Ratio Lower Upper

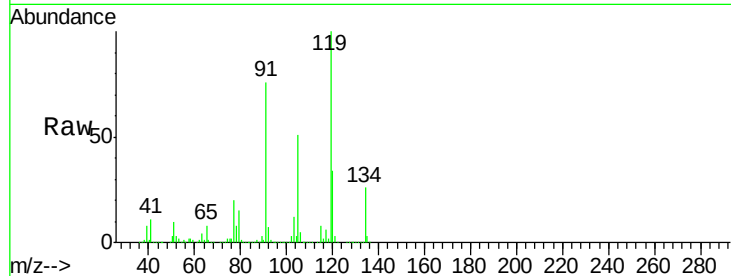
119 100

91 75.2 58.6 87.8

134 23.1 18.9 28.3

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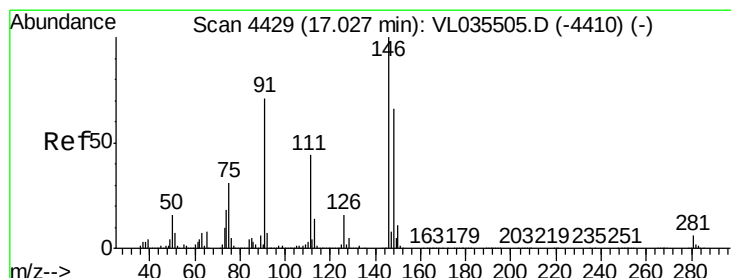
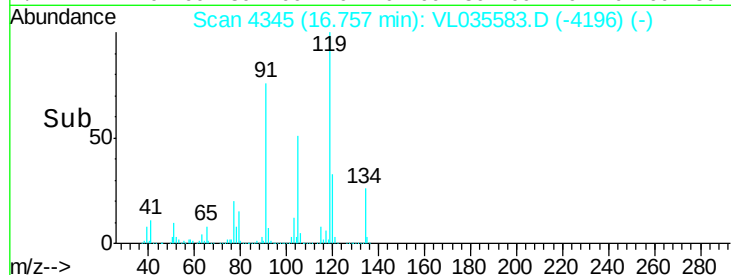
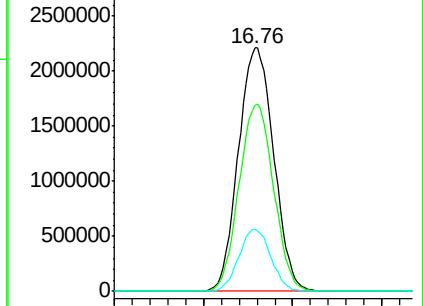
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 14.275 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

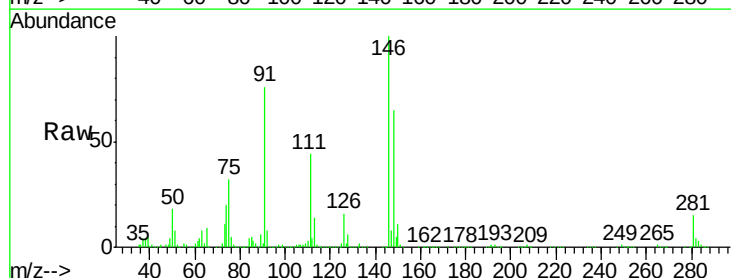
Tgt Ion: 91 Resp: 2225114

Ion Ratio Lower Upper

91 100

126 20.4 17.2 25.8

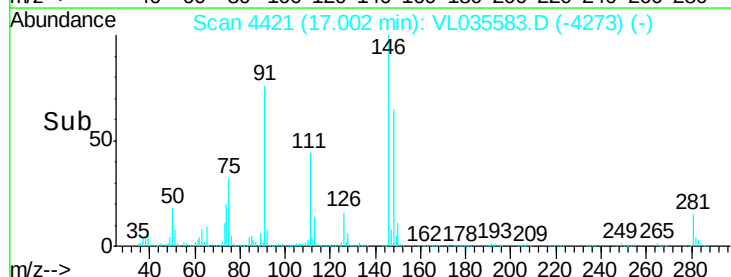
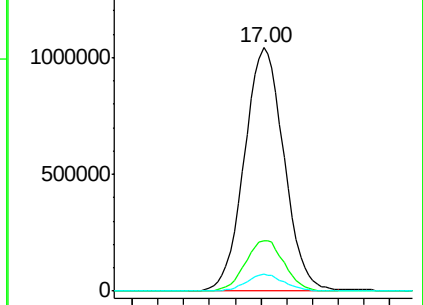
128 6.7 5.5 8.3

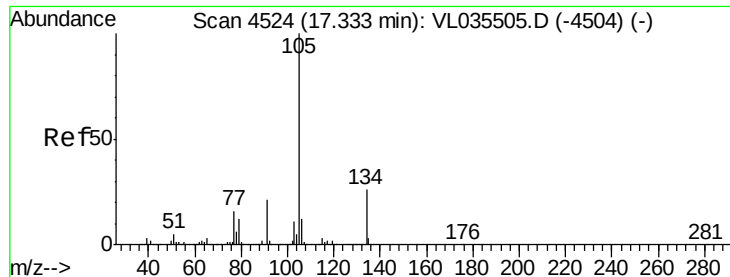


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.562 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 105 Resp: 7990201

Ion Ratio Lower Upper

105 100

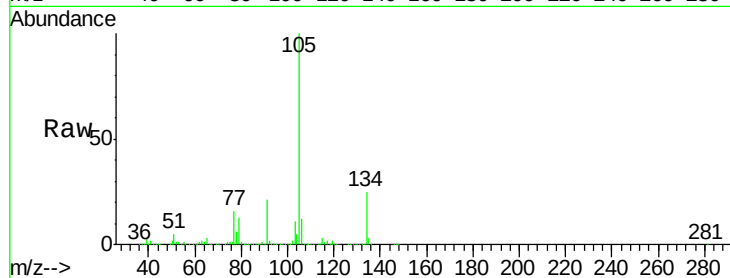
134 23.0 19.1 28.7

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.31

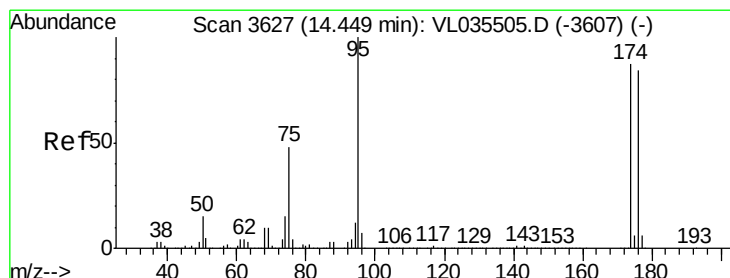
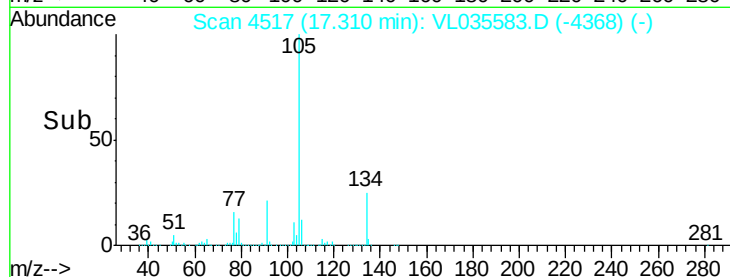
3000000

2000000

1000000

0

Time--> 17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 10.080 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

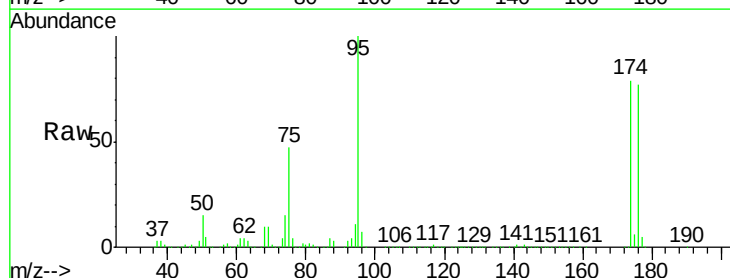
Tgt Ion: 95 Resp: 3464309

Ion Ratio Lower Upper

95 100

174 80.5 69.6 104.4

175 5.8 5.1 7.7



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

2000000

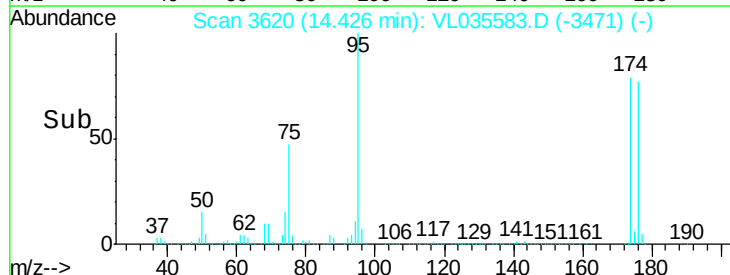
1500000

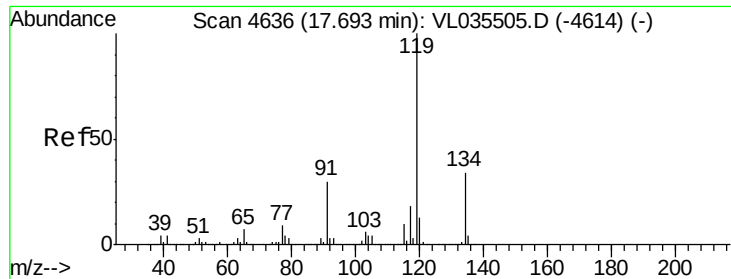
1000000

500000

0

Time--> 14.30 14.40 14.50





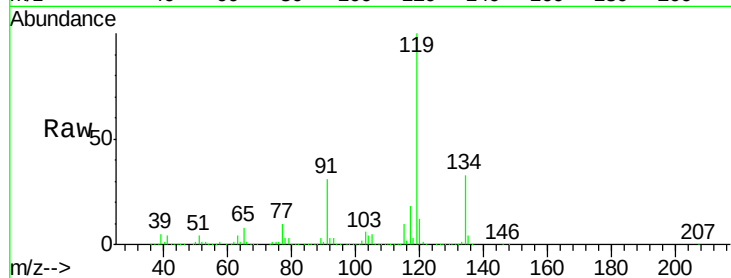
#69
 p-Isopropyltoluene
 Concen: 9.591 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. -0.03 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

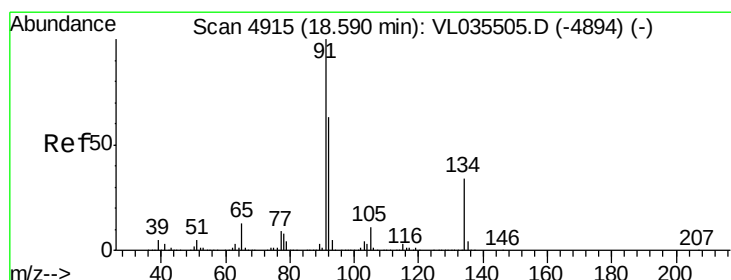
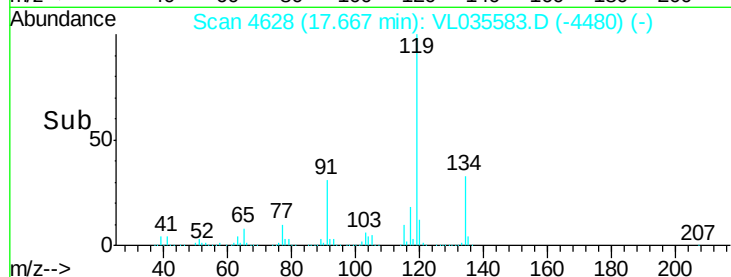
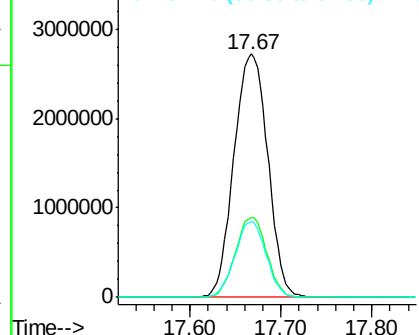
Tot Ion	Ratio	Lower	Upper
119	100		
134	30.6	25.0	37.4
91	28.8	22.3	33.5

Manual Integrations
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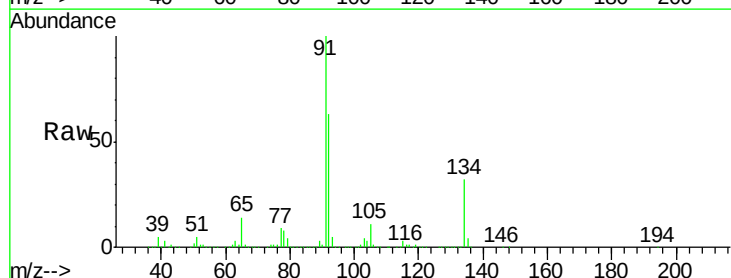


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

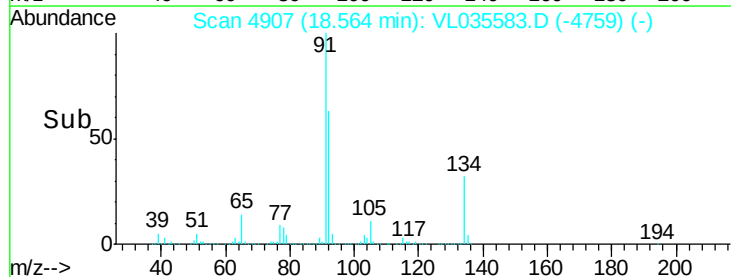
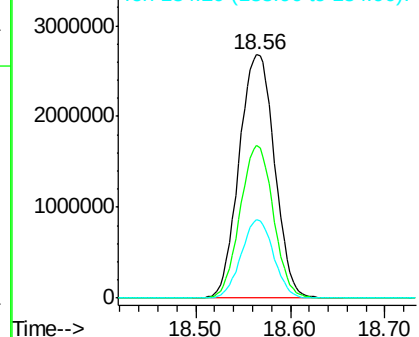


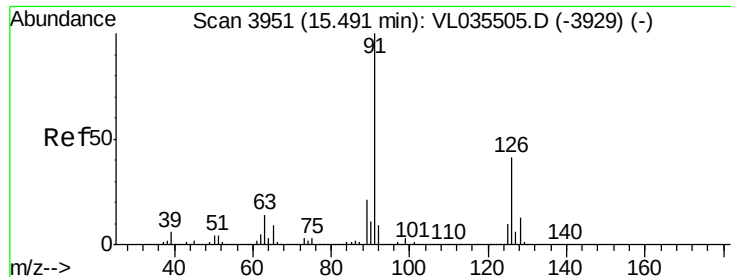
#70
 n-Butylbenzene
 Concen: 9.862 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. -0.03 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.3	70.9
134	29.5	24.6	37.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.115 ppbv

RT: 15.46 min Scan# 3943

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 91 Resp: 4969663

Ion Ratio Lower Upper

91 100

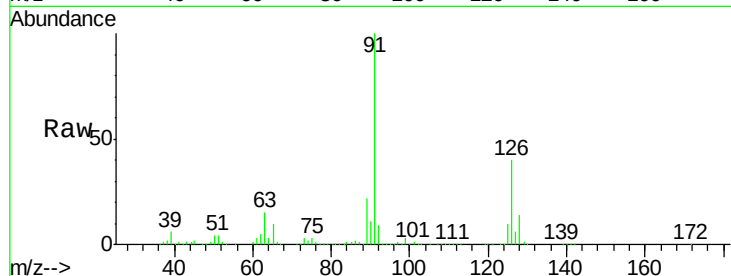
126 38.2 15.6 62.6

Manual Integrations

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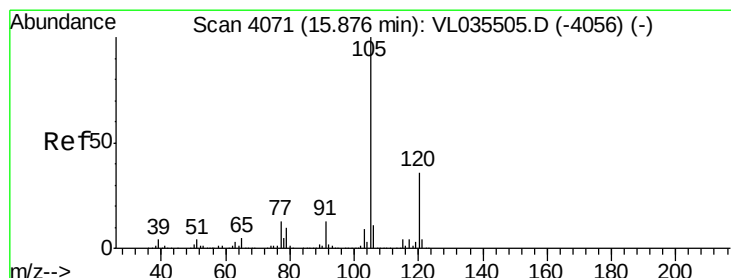
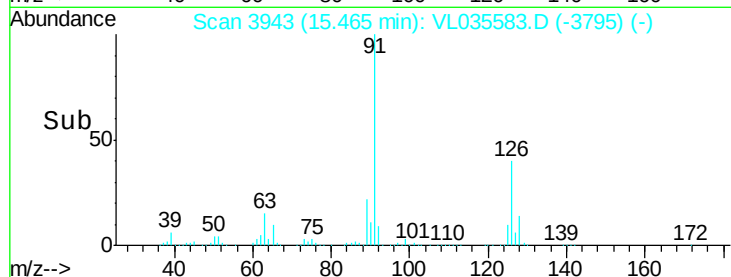
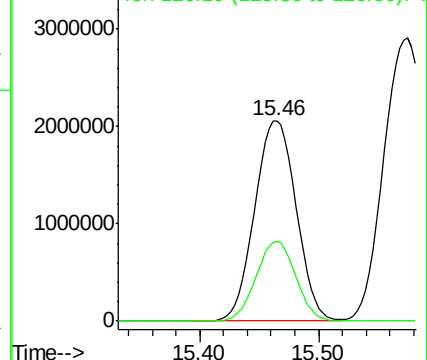
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.135 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Tgt Ion: 105 Resp: 5411729

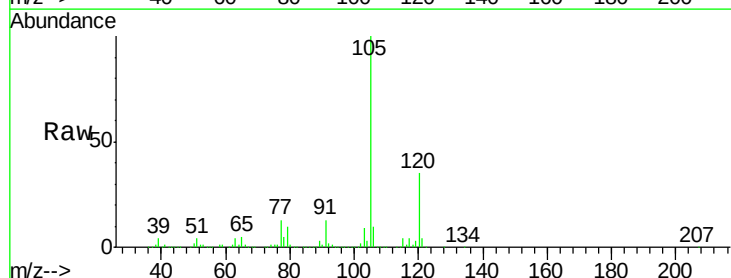
Ion Ratio Lower Upper

105 100

120 34.0 27.4 41.2

91 12.3 9.7 14.5

77 12.3 9.6 14.4

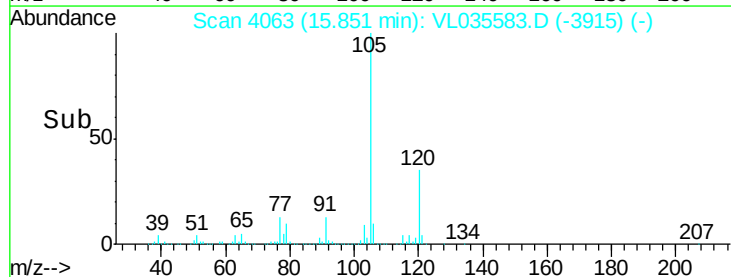
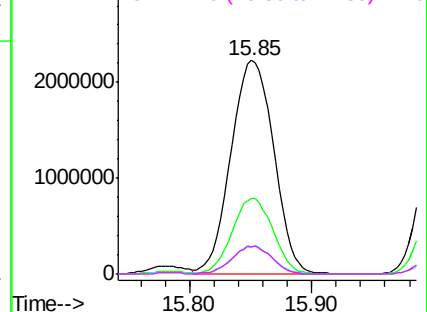


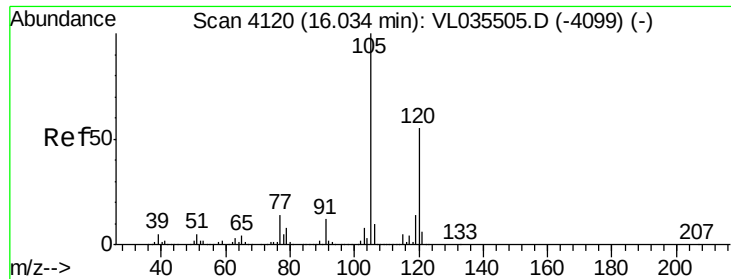
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 10.117 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion:105 Resp: 4996653

Ion Ratio Lower Upper

105 100

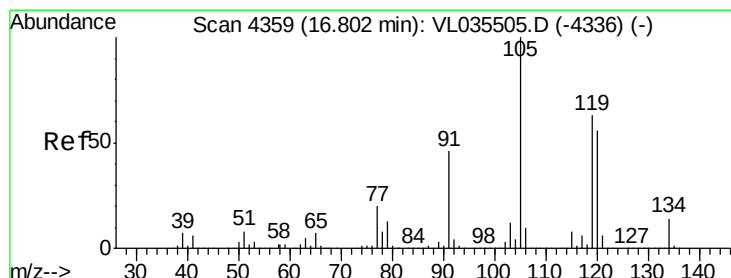
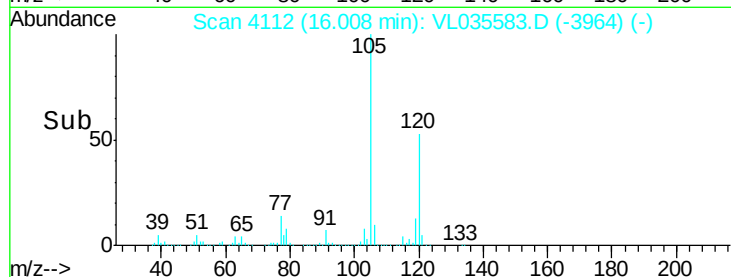
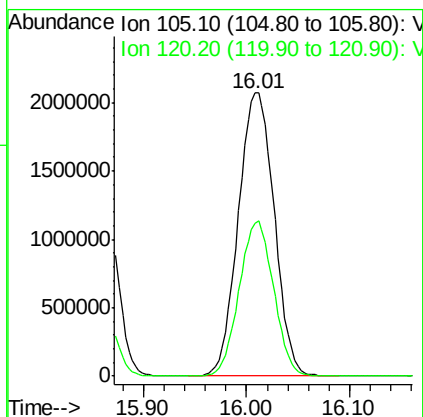
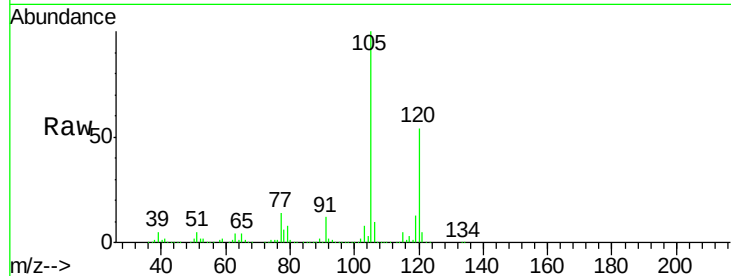
120 54.2 44.2 66.2

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#74

1,2,4-Trimethylbenzene

Concen: 9.670 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Tgt Ion:105 Resp: 5244562

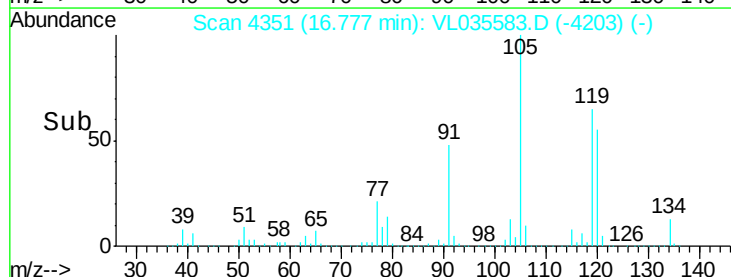
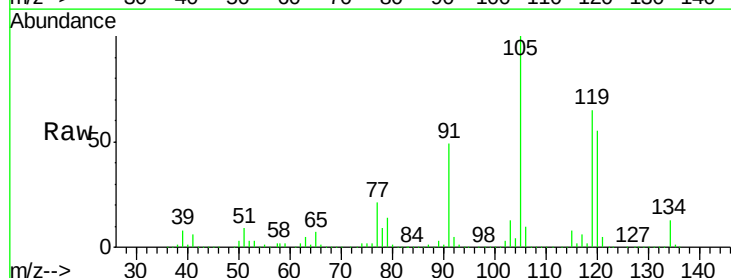
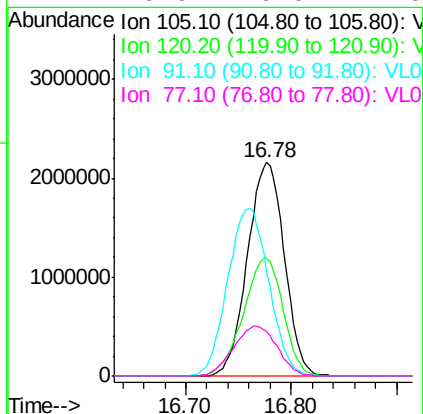
Ion Ratio Lower Upper

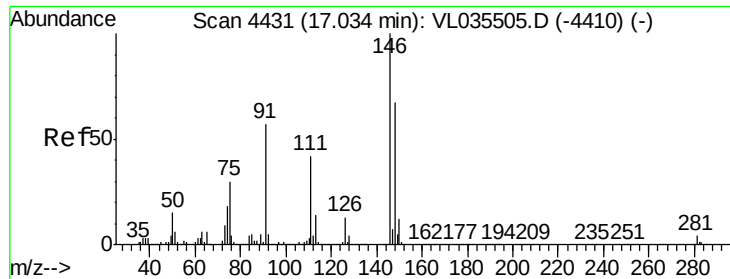
105 100

120 55.1 44.4 66.6

91 48.4 37.1 55.7

77 20.9 16.0 24.0





#75

1,3-Dichlorobenzene

Concen: 9.226 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion:146 Resp: 3706413

Ion Ratio Lower Upper

146 100

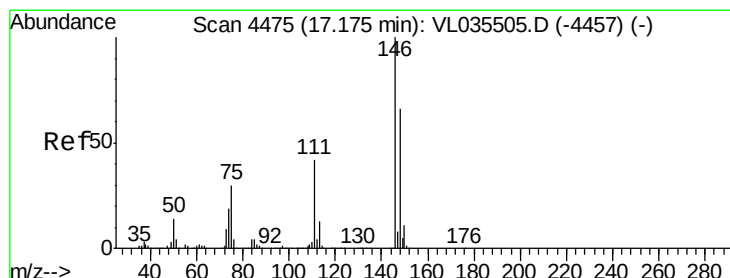
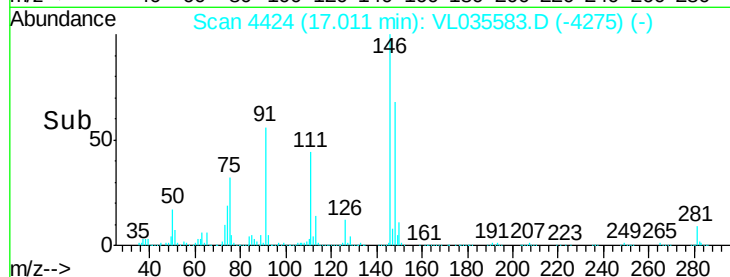
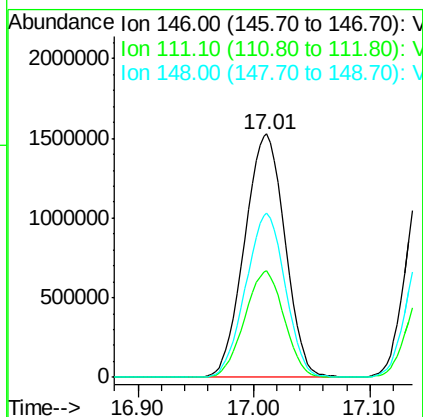
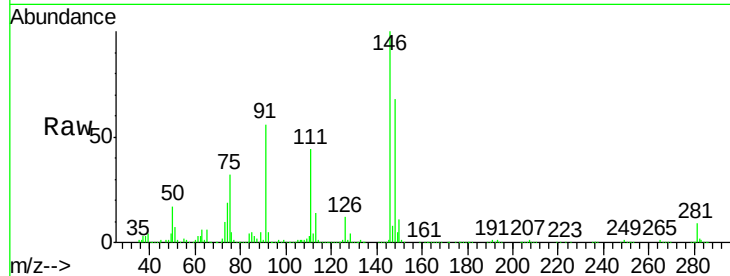
111 42.7 20.7 62.1

148 66.0 33.0 98.9

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#76

1,4-Dichlorobenzene

Concen: 9.539 ppbv

RT: 17.15 min Scan# 4468

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

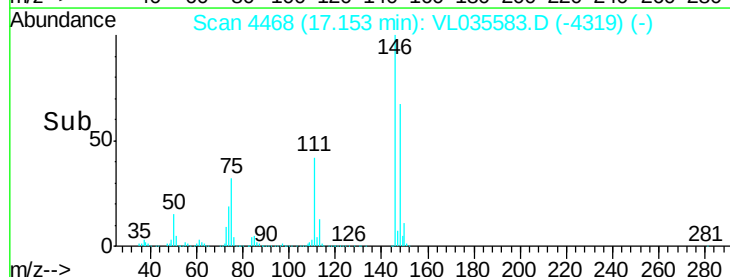
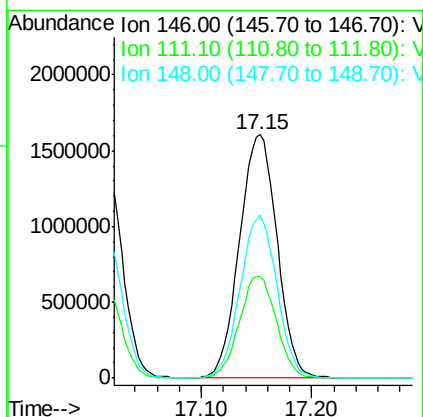
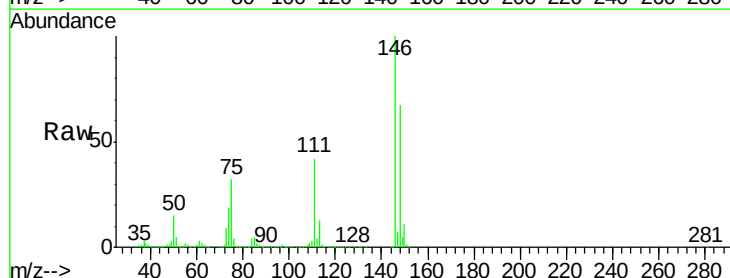
Tgt Ion:146 Resp: 3779249

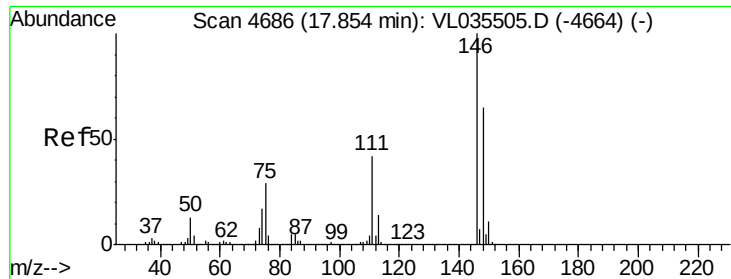
Ion Ratio Lower Upper

146 100

111 41.4 20.0 60.0

148 65.9 33.2 99.6





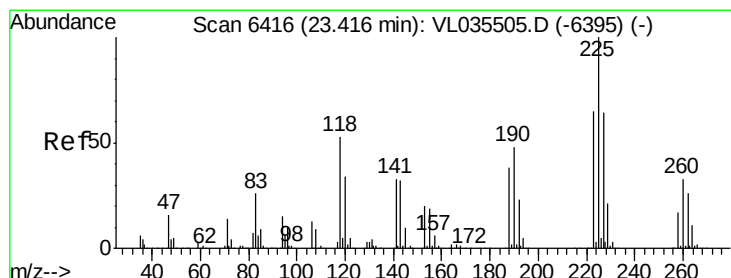
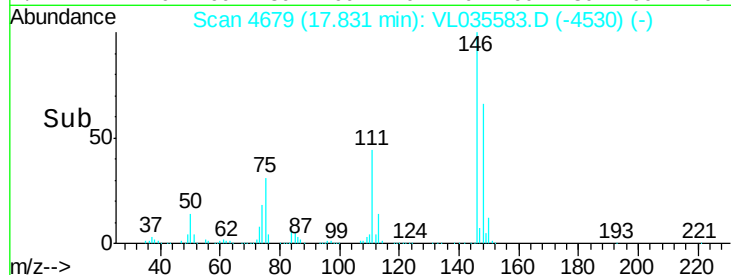
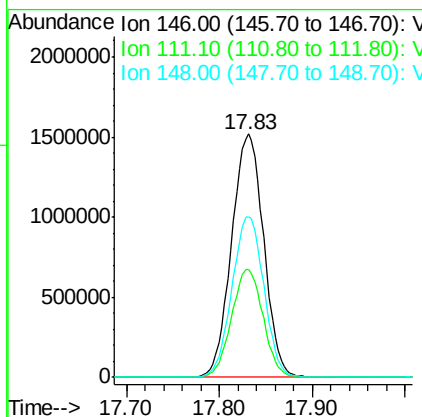
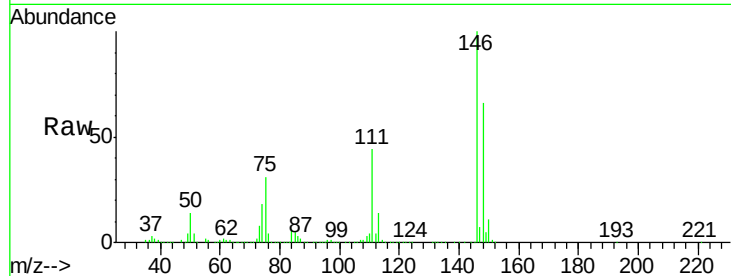
#77
 1,2-Dichlorobenzene
 Concen: 9.365 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.1	63.3
148	65.7	32.9	98.7

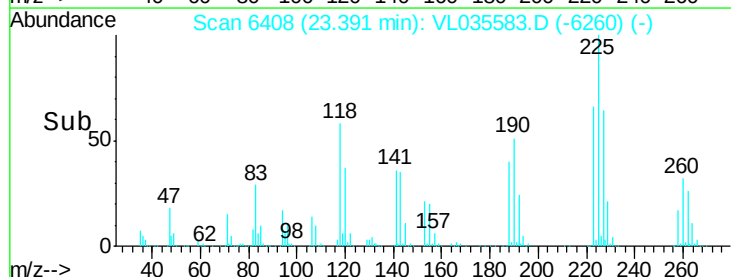
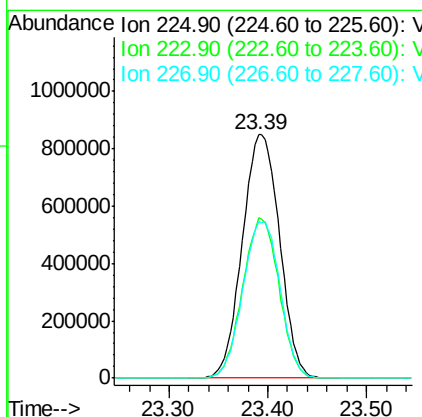
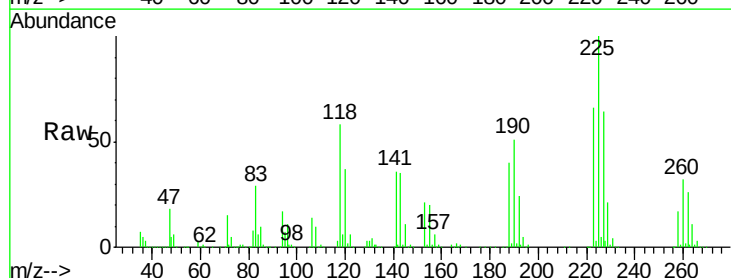
Manual Integrations
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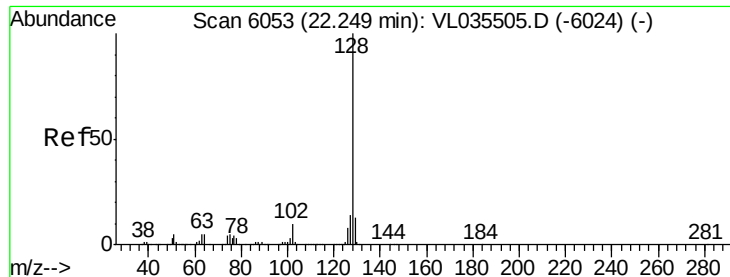
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.914 ppbv
 RT: 23.39 min Scan# 6408
 Delta R.T. -0.03 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	51.7	77.5
227	64.5	51.5	77.3





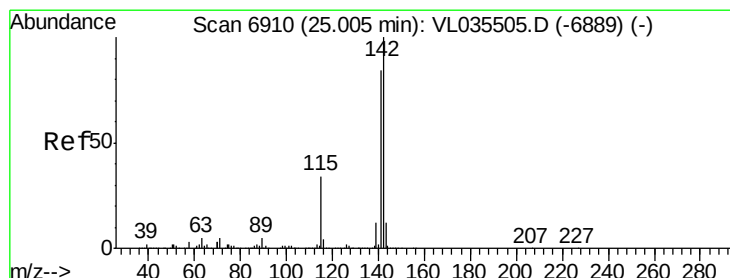
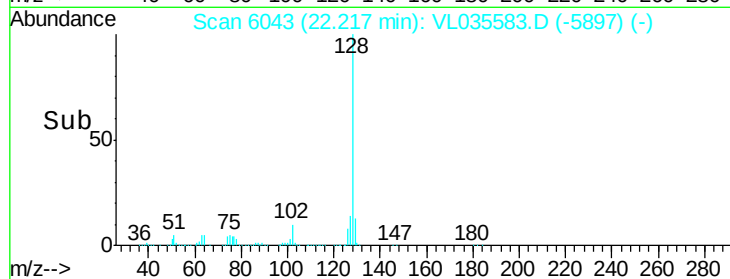
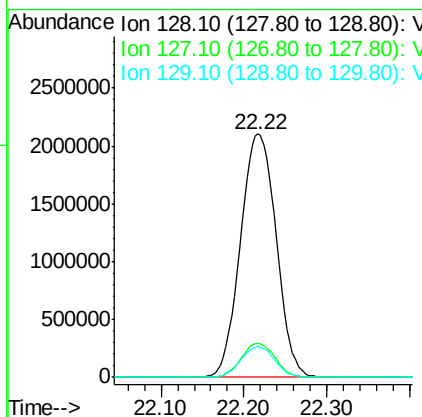
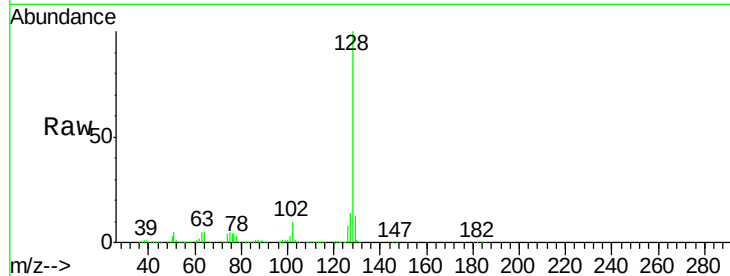
#79
Naphthalene
Concen: 10.468 ppbv
RT: 22.22 min Scan# 6043
Delta R.T. -0.03 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	11.4	17.2
129	13.0	10.5	15.7

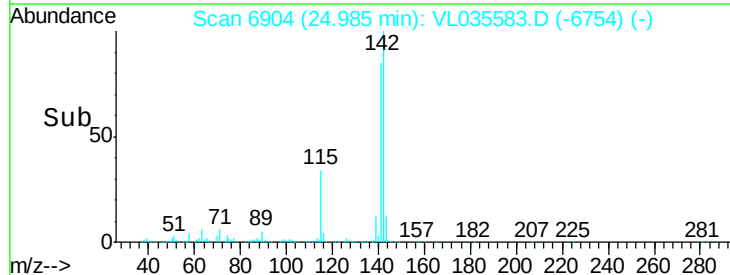
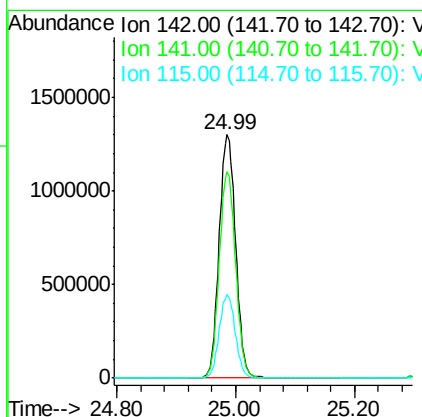
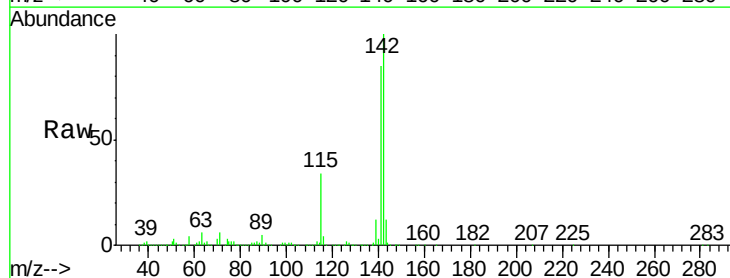
Manual Integrations
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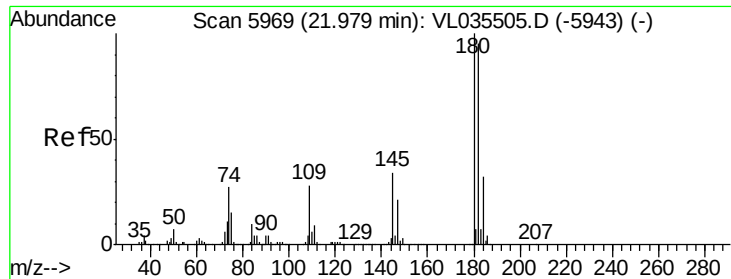
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#80
Naphthalene, 2-methyl-
Concen: 12.157 ppbv
RT: 24.99 min Scan# 6904
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.6	101.4
115	33.6	25.8	38.8





#81
 1,2,4-Trichlorobenzene
 Concen: 9.584 ppbv
 RT: 21.95 min Scan# 5959
 Delta R.T. -0.03 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.3	114.5
184	31.3	25.3	37.9

Manual Integrations
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