

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035653.D
 Acq On : 17 Sep 2020 9:25
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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 9/17/2020 1:53:15 PM

Quant Time: Sep 17 10:28:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1192109	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	5127647	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5166334m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3703058	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1918720	9.288	ppbv	100
3) Chlorodifluoromethane	2.98	51	1286449	9.757	ppbv	99
4) Chloromethane	3.13	50	692073	9.798	ppbv	100
5) Vinyl Chloride	3.25	62	846688	9.722	ppbv	99
6) Bromomethane	3.47	94	729923	9.979	ppbv	99
7) Chloroethane	3.55	64	325380	10.568	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2373667	9.487	ppbv	92
9) Propene	3.00	41	494133	9.722	ppbv	100
10) Heptane	8.13	43	1347141	9.867	ppbv	98
11) Trichlorofluoromethane	3.95	101	2630274	8.730	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2036358	8.955	ppbv	91
13) Ethanol	3.60	45	119885	9.513	ppbv	98
14) Bromoethene	3.74	108	974569	9.957	ppbv	100
15) Acetone	3.85	43	1091696	8.303	ppbv	99
16) 1,3-Butadiene	3.32	39	493230	10.077	ppbv	95
17) tert-Butyl alcohol	4.29	59	1737020	10.854	ppbv	100
18) 1,1-Dichloroethene	4.29	96	987786	9.865	ppbv	97
19) Isopropyl Alcohol	3.96	45	836288	10.662	ppbv	# 98
20) Methylene Chloride	4.34	84	805368	8.224	ppbv	98
21) Allyl Chloride	4.41	41	691428	11.225	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	1015609	9.527	ppbv	92
23) Vinyl Acetate	5.08	43	1732548	10.267	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1720037	9.904	ppbv	99
25) Ethyl Acetate	5.68	43	2228216	9.593	ppbv	99
26) Hexane	5.69	57	1301839	9.892	ppbv	97
27) Carbon Disulfide	4.55	76	2147897	11.373	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2452177	10.691	ppbv	100
29) Chloroform	5.75	83	2619256	9.768	ppbv	100
30) Cyclohexane	7.14	84	1511710	10.722	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1418314	10.504	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2602844	10.006	ppbv	100
34) 2-Butanone	5.25	43	1527902	10.041	ppbv	98
35) Carbon Tetrachloride	7.02	117	2643393	10.257	ppbv	98
36) Benzene	6.90	78	3453738	10.405	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1614172	10.200	ppbv	100
38) Trichloroethene	7.84	130	1729701	8.971	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1146090	10.221	ppbv	98
40) 1,4-Dioxane	7.84	88	625212	11.162	ppbv	99
41) Tetrahydrofuran	6.05	42	886895	10.991	ppbv	97
42) Bromodichloromethane	7.80	83	2768083	10.817	ppbv	99
43) Methyl Methacrylate	8.02	69	1427429	11.122	ppbv	97

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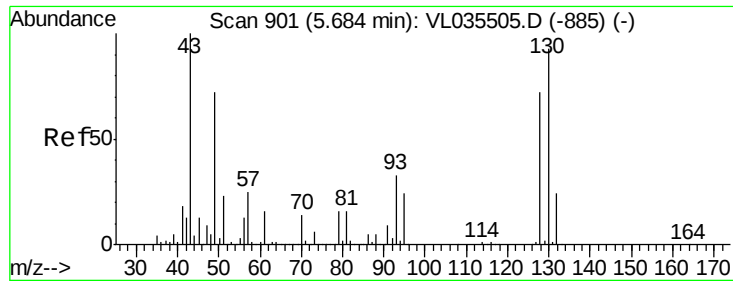
Manual Integrations
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Quant Time: Sep 17 10:28:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4347384	9.954	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1639375	12.609	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1943522	12.039	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	1674971	10.124	ppbv	96
48) Dibromochloromethane	10.32	129	2784942	10.695	ppbv	100
49) Bromoform	13.06	173	2481243	10.514	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2238683	10.160	ppbv	98
51) 2-Hexanone	10.14	43	1875517	10.376	ppbv #	98
52) Tetrachloroethene	11.24	164	1681817	8.673	ppbv	95
53) Toluene	9.82	91	4322901	10.357	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2648271	10.130	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	2170836	10.327	ppbv	99
57) Chlorobenzene	12.16	112	3648693	9.596	ppbv	97
58) Ethyl Benzene	12.73	91	5578349	10.471	ppbv	99
59) m/p-Xylene	13.01	91	9325458m	20.948	ppbv	
60) o-Xylene	13.71	91	4527459	10.098	ppbv	100
61) Styrene	13.55	104	3750103	10.936	ppbv	100
62) Isopropylbenzene	14.69	105	6912682	9.598	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3260551	9.380	ppbv	99
64) n-propylbenzene	15.58	120	2190061	9.964	ppbv	96
65) tert-Butylbenzene	16.77	119	6400572	9.560	ppbv	98
66) Benzyl Chloride	17.01	91	2263441	13.603	ppbv	98
67) sec-Butylbenzene	17.32	105	8391423	9.408	ppbv	98
69) p-Isopropyltoluene	17.67	119	7230098	9.241	ppbv	99
70) n-Butylbenzene	18.57	91	7000959	9.289	ppbv	99
71) 2-Chlorotoluene	15.47	91	5295267	10.096	ppbv	99
72) 4-Ethyltoluene	15.86	105	5666163	9.941	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	5276639	10.009	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	5387274	9.305	ppbv	96
75) 1,3-Dichlorobenzene	17.02	146	3719324	8.673	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3747871	8.861	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	3685636	8.871	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1934850	7.294	ppbv	100
79) Naphthalene	22.23	128	5896537	9.179	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	1756135	8.009	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	3098997	8.055	ppbv	100

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



#1

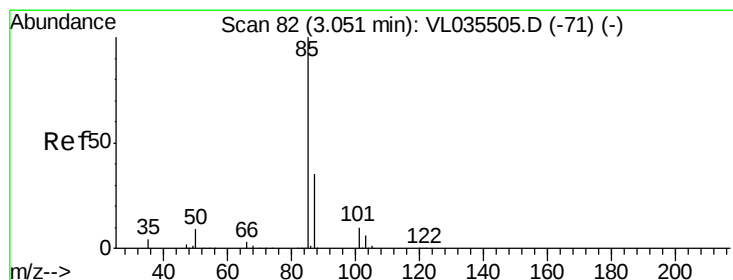
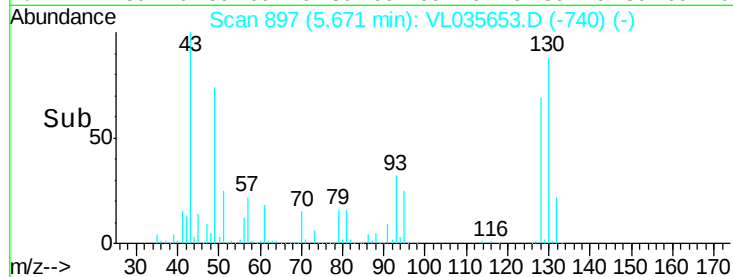
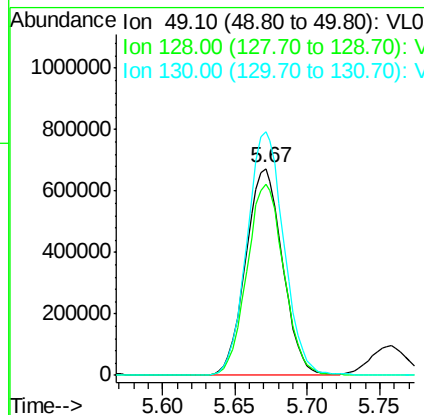
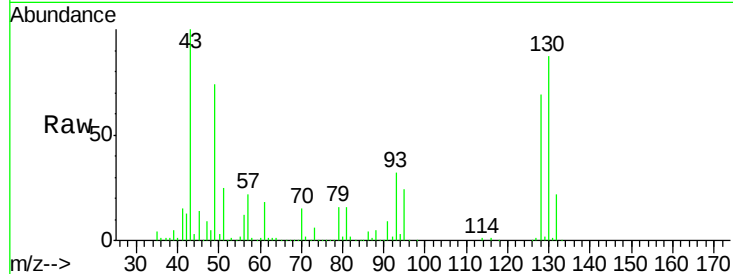
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 49 Resp: 1192109
Ion Ratio Lower Upper
49 100
128 93.0 50.0 150.1
130 118.6 64.4 193.2

Manual Integrations
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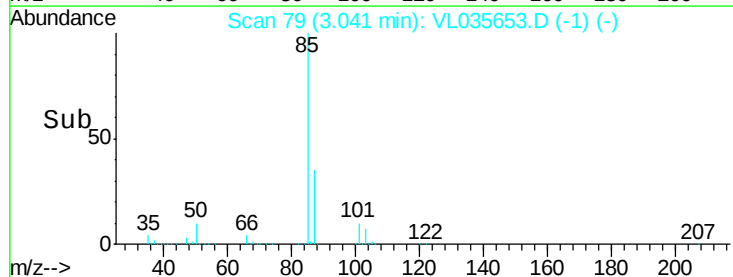
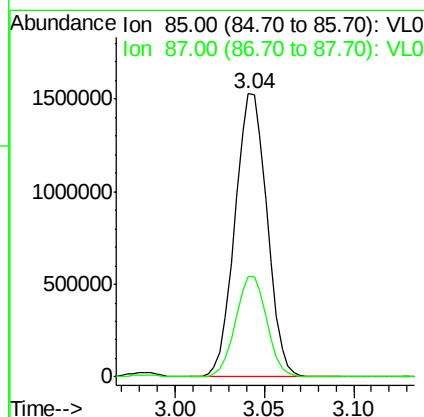
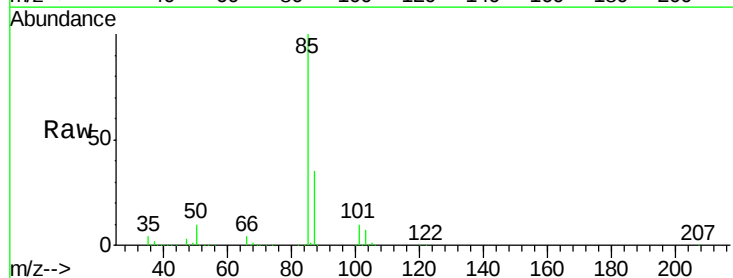
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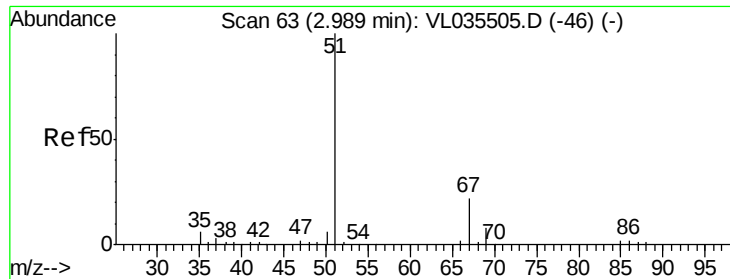


#2

Dichlorodifluoromethane
Concen: 9.288 ppbv
RT: 3.04 min Scan# 79
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion: 85 Resp: 1918720
Ion Ratio Lower Upper
85 100
87 35.3 28.0 42.0





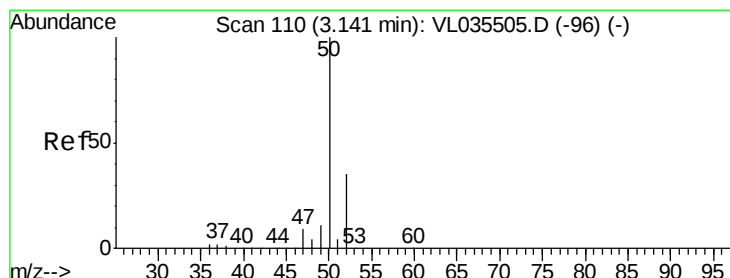
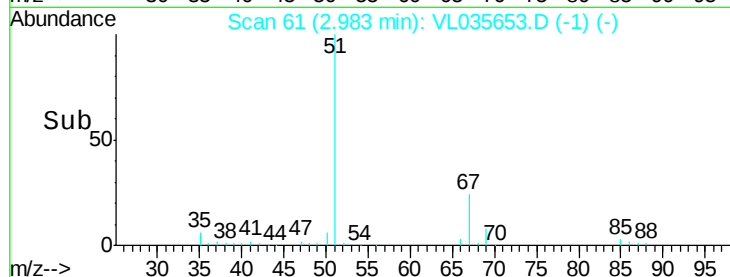
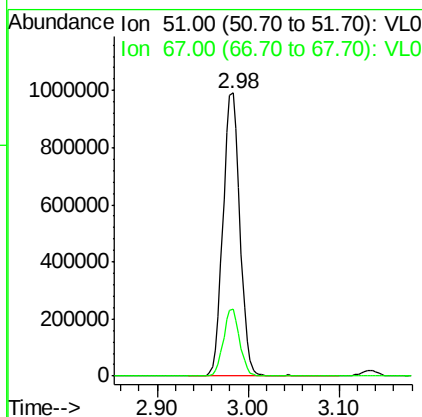
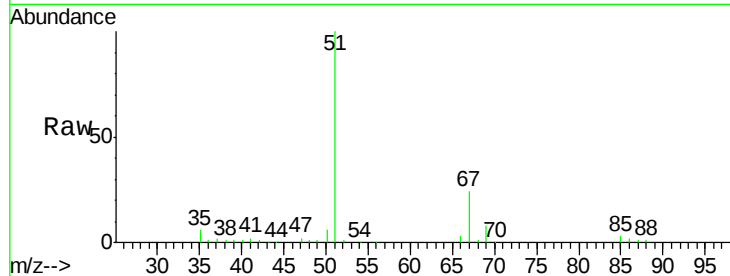
#3
Chlorodifluoromethane
Concen: 9.757 ppbv
RT: 2.98 min Scan# 61
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 1286449
Ion Ratio Lower Upper
51 100
67 22.8 17.8 26.8

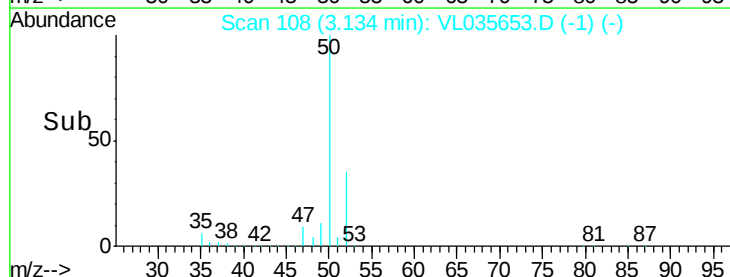
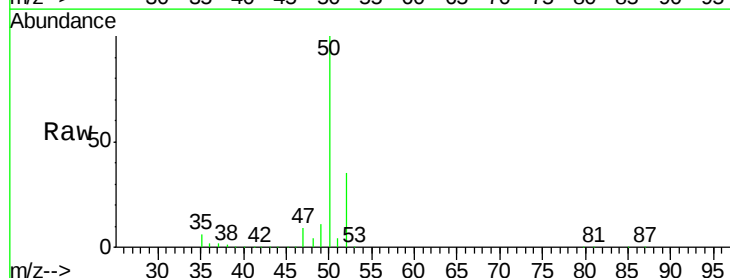
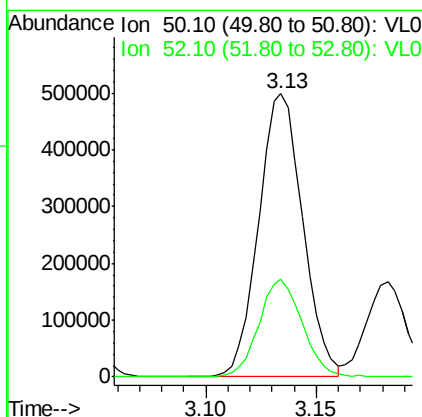
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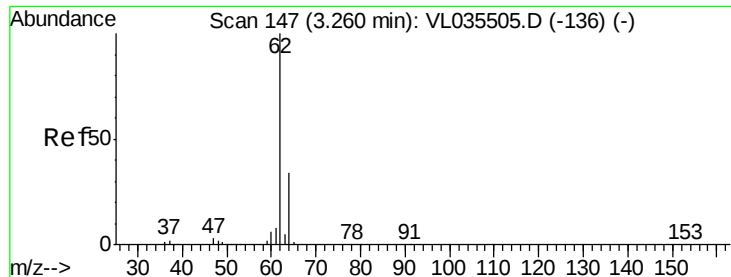
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#4
Chloromethane
Concen: 9.798 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion: 50 Resp: 692073
Ion Ratio Lower Upper
50 100
52 34.7 27.7 41.5





#5

Vinyl Chloride

Concen: 9.722 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 846688

Ion Ratio Lower Upper

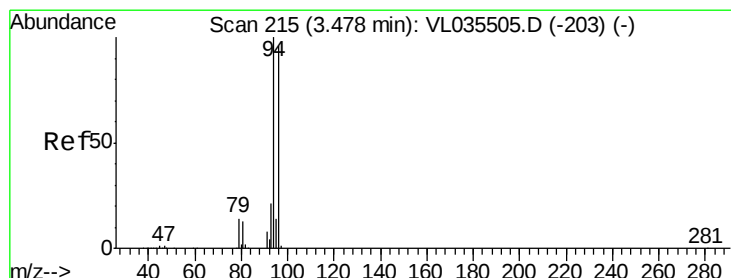
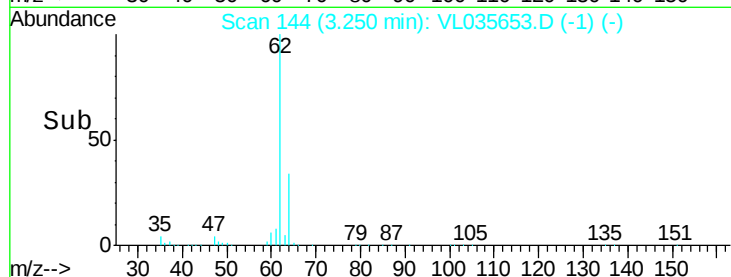
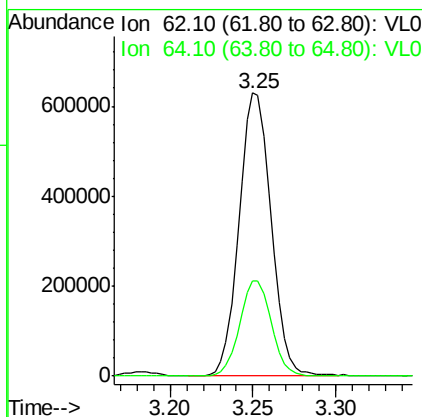
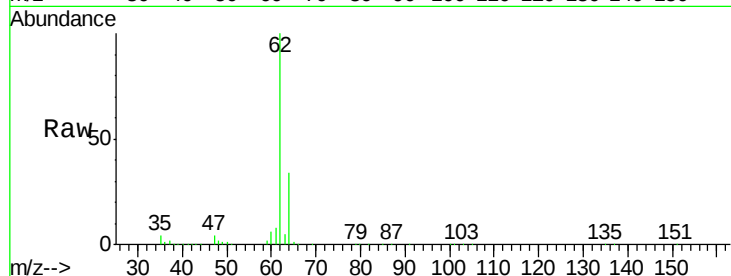
62 100

64 33.7 27.4 41.2

Manual Integrations
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#6

Bromomethane

Concen: 9.979 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.01 min

Lab File: VL035653.D

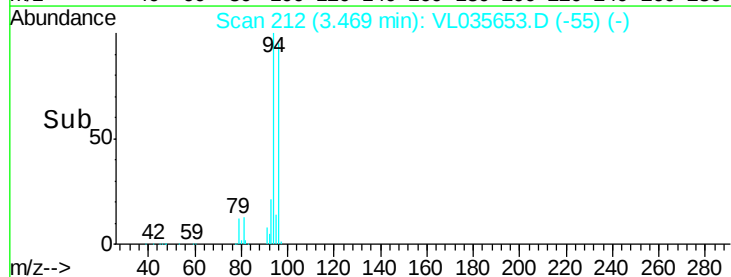
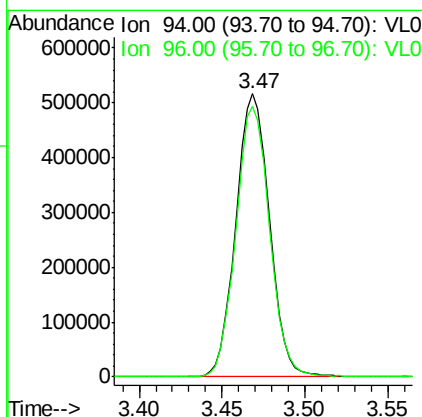
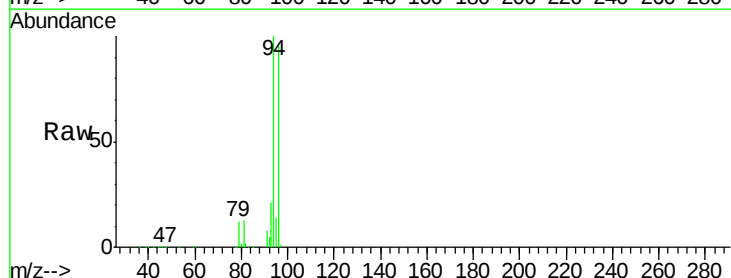
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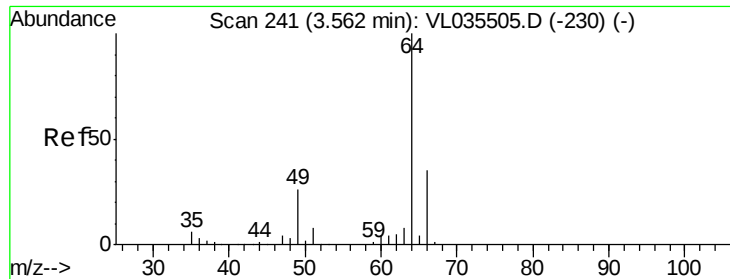
Tgt Ion: 94 Resp: 729923

Ion Ratio Lower Upper

94 100

96 95.4 77.1 115.7





#7

Chloroethane

Concen: 10.568 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 325380

Ion Ratio Lower Upper

64 100

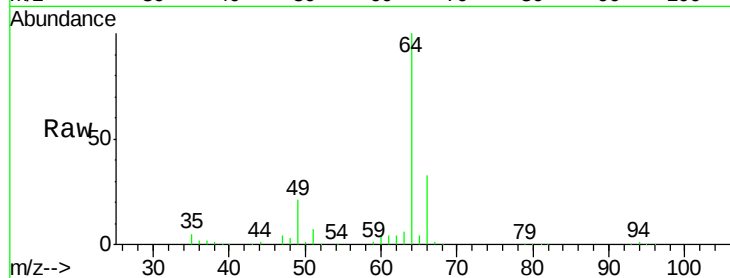
66 33.0 27.7 41.5

Manual Integrations

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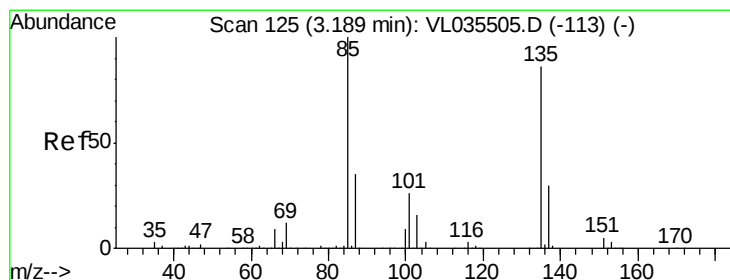
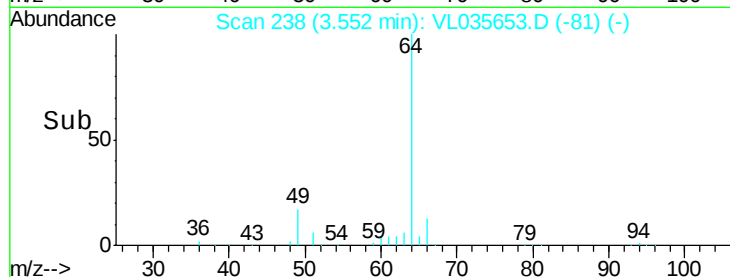
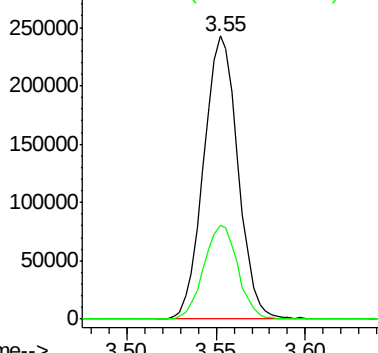
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.487 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL035653.D

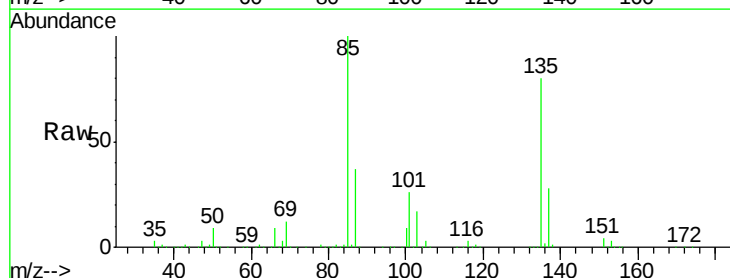
Acq: 17 Sep 2020 9:25

Tgt Ion: 85 Resp: 2373667

Ion Ratio Lower Upper

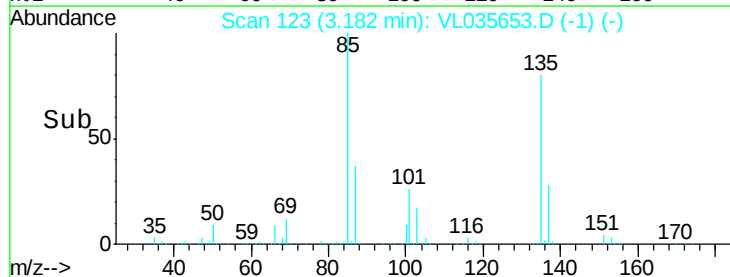
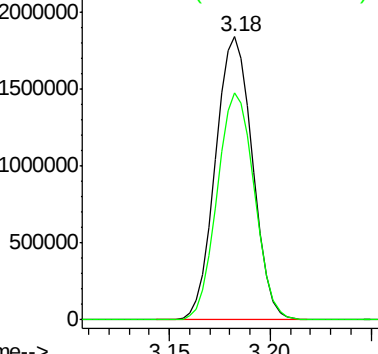
85 100

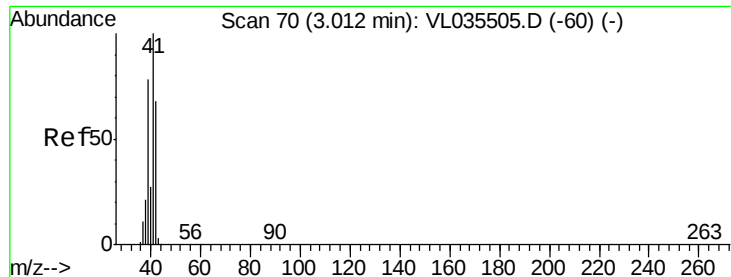
135 80.9 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.722 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 494133

Ion Ratio Lower Upper

41 100

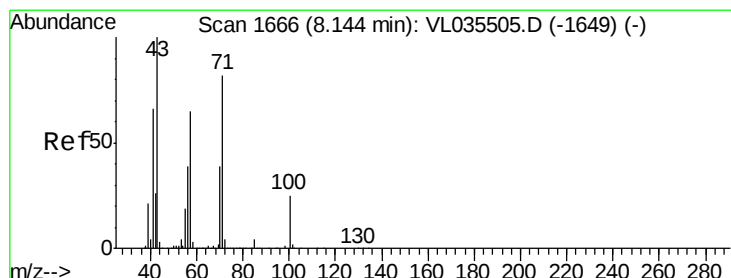
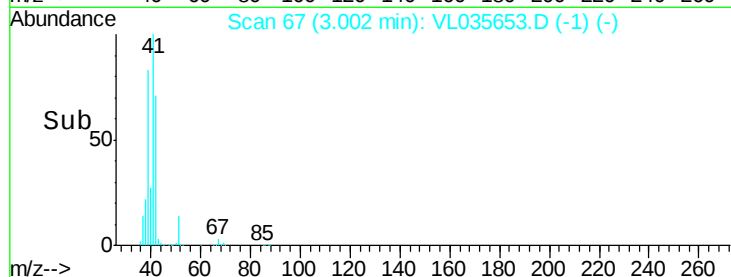
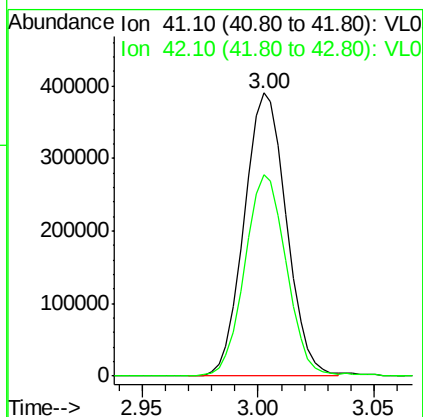
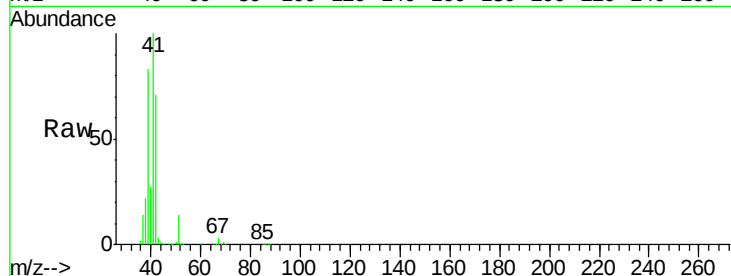
42 70.7 56.3 84.5

Manual Integrations

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#10

Heptane

Concen: 9.867 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL035653.D

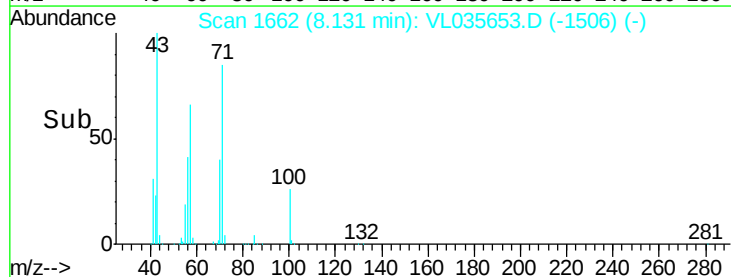
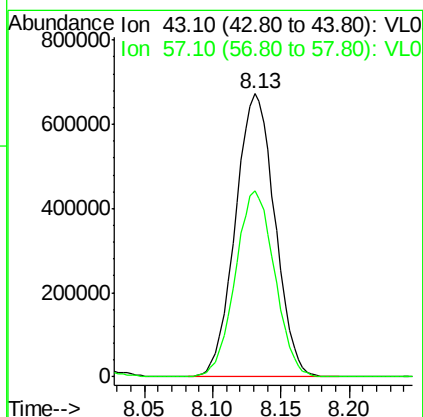
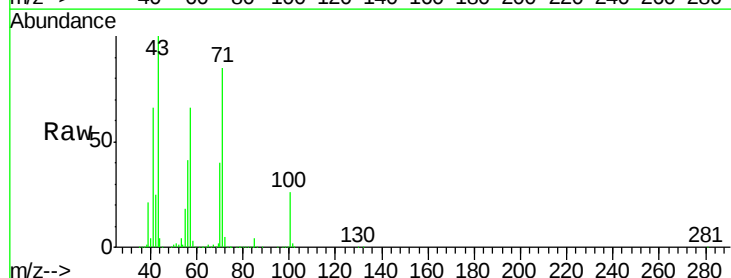
Acq: 17 Sep 2020 9:25

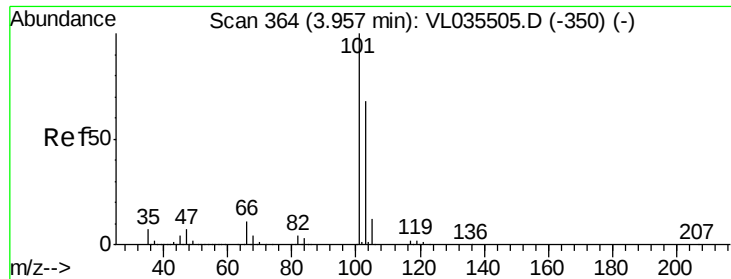
Tgt Ion: 43 Resp: 1347141

Ion Ratio Lower Upper

43 100

57 65.7 51.4 77.0





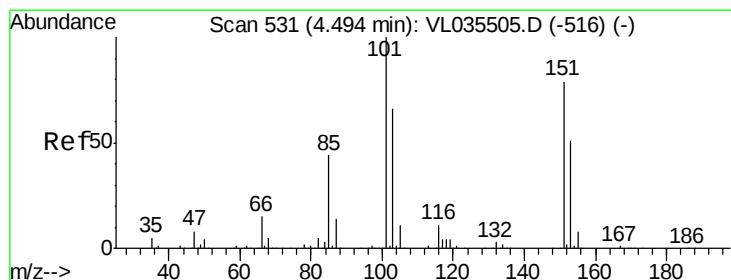
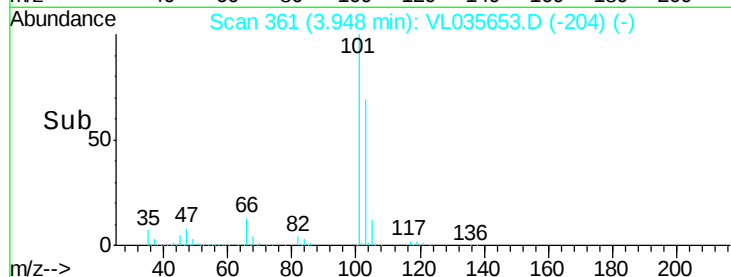
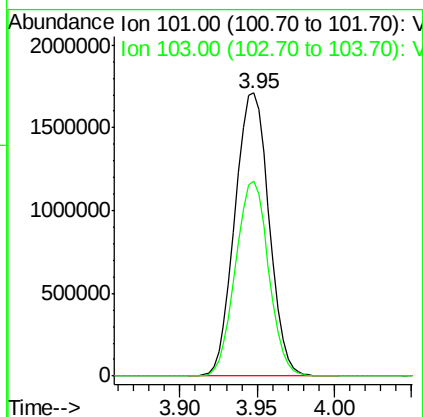
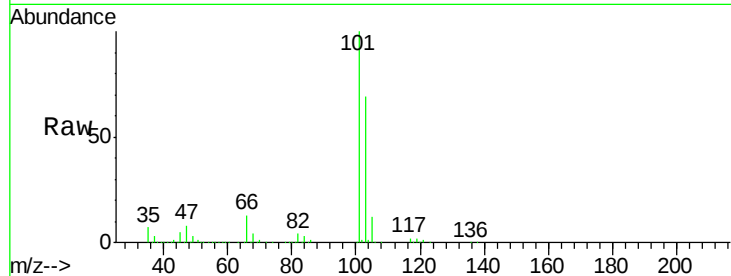
#11
 Trichlorofluoromethane
 Concen: 8.730 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2630274
 Ion Ratio Lower Upper
 101 100
 103 68.9 54.5 81.7

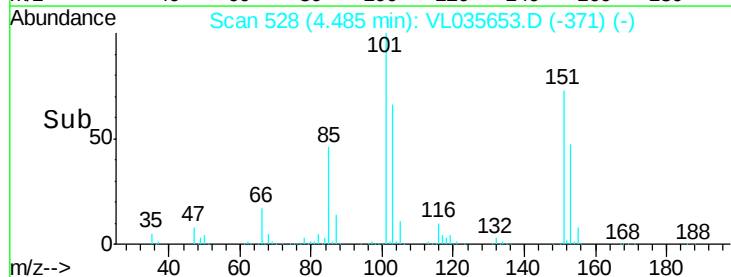
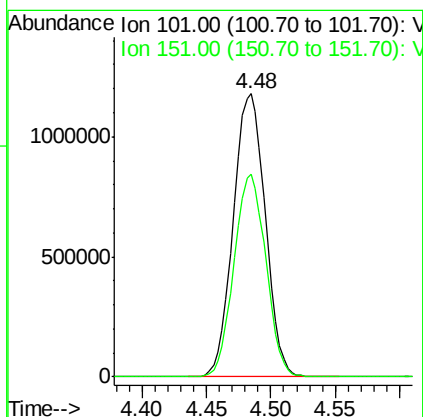
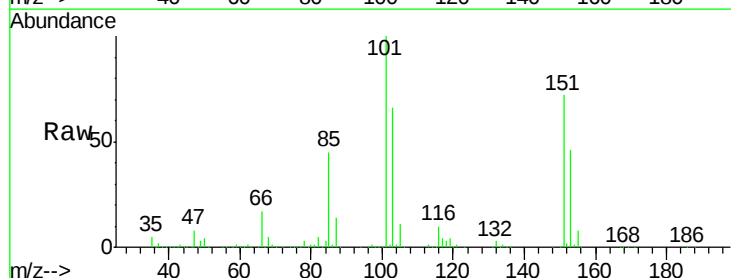
Manual Integrations
 APPROVED

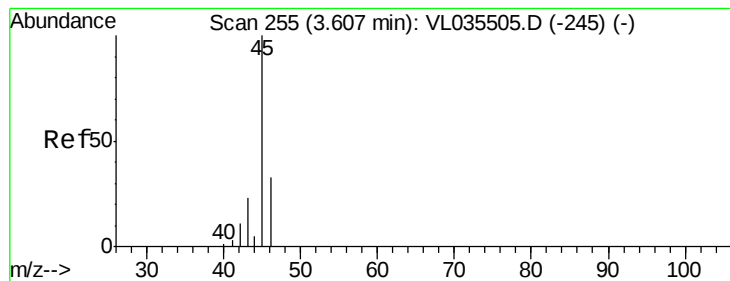
MMDadoda
 9/17/2020 1:53:15 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.955 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Tgt Ion:101 Resp: 2036358
 Ion Ratio Lower Upper
 101 100
 151 71.4 63.5 95.3





#13

Ethanol

Concen: 9.513 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 119885

Ion Ratio Lower Upper

45 100

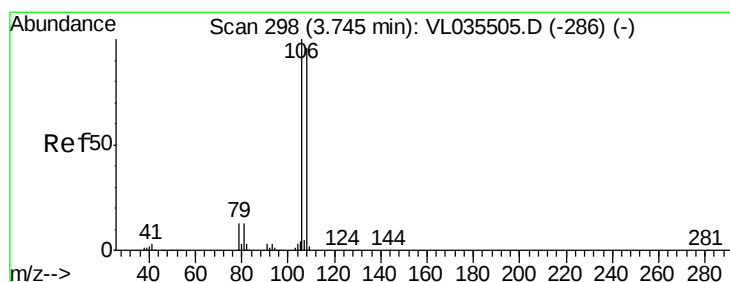
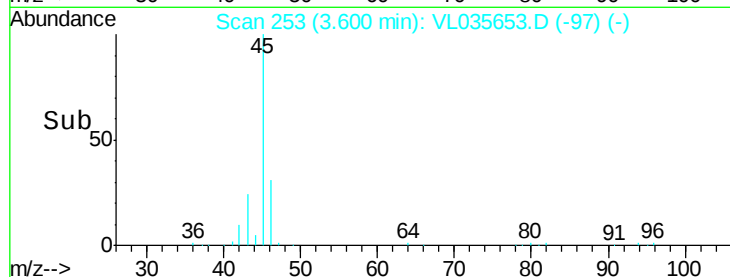
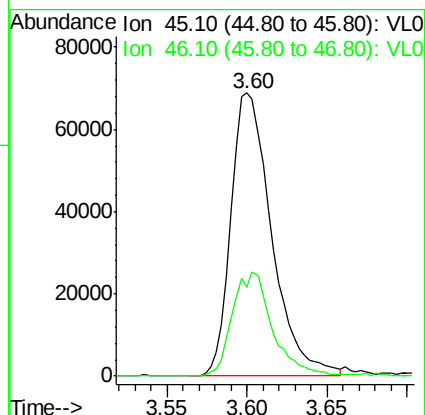
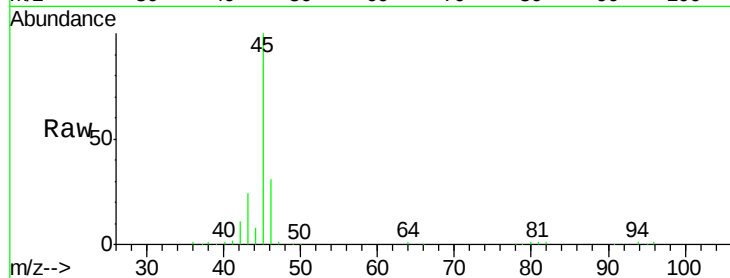
46 36.6 15.2 60.6

Manual Integrations

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9/17/2020 1:53:15 PM



#14

Bromoethene

Concen: 9.957 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

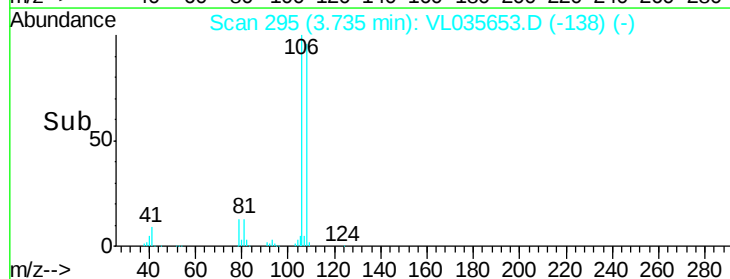
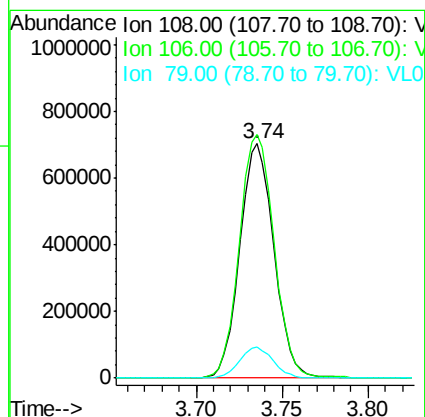
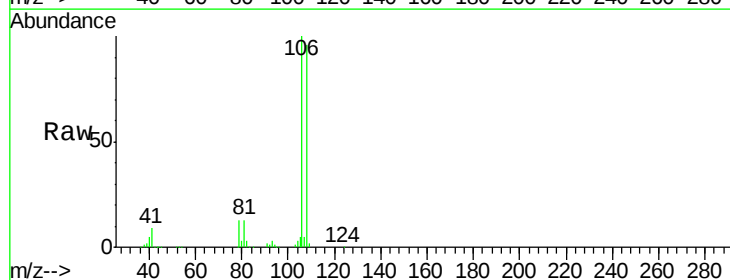
Tgt Ion: 108 Resp: 974569

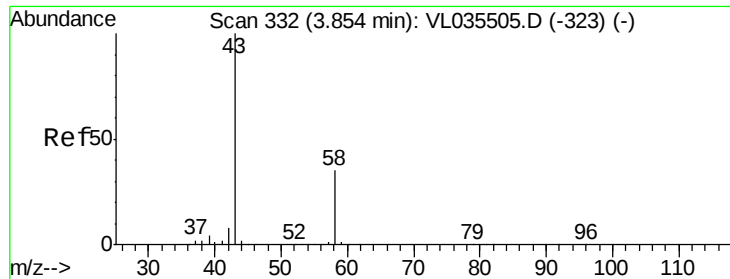
Ion Ratio Lower Upper

108 100

106 106.1 84.9 127.3

79 13.0 10.8 16.2





#15

Acetone

Concen: 8.303 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1091696

Ion Ratio Lower Upper

43 100

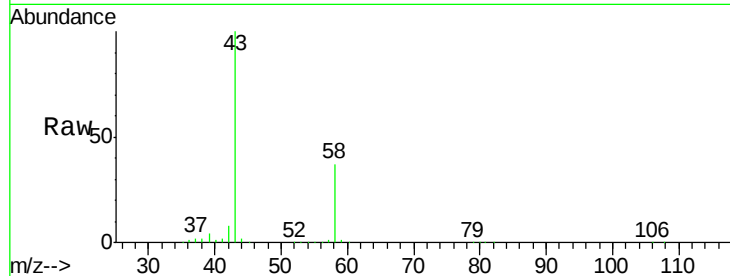
58 35.9 28.4 42.6

Manual Integrations

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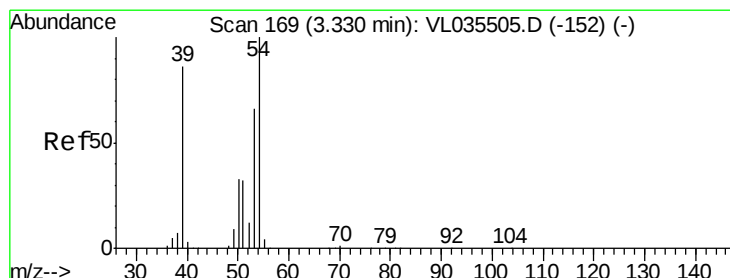
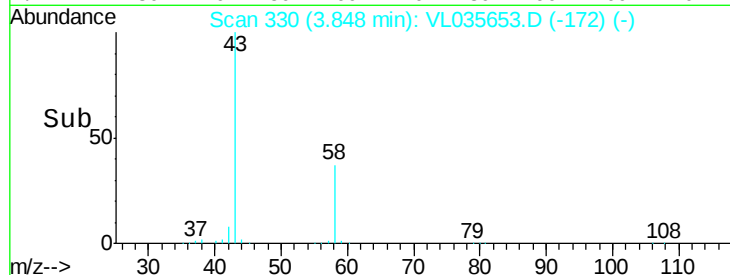
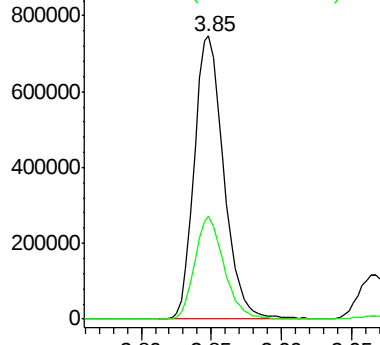
MMDadoda

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.077 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL035653.D

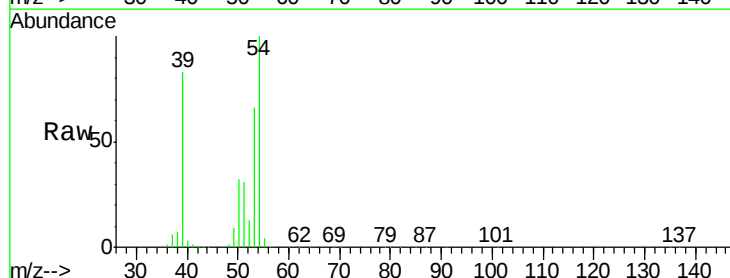
Acq: 17 Sep 2020 9:25

Tgt Ion: 39 Resp: 493230

Ion Ratio Lower Upper

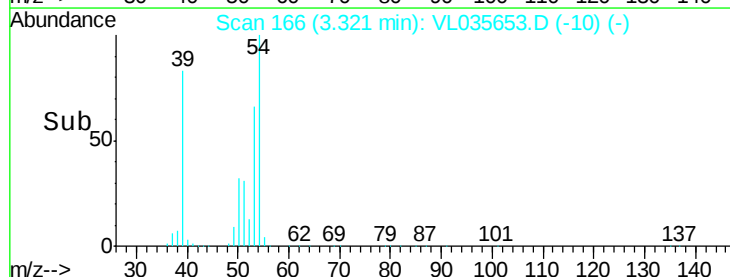
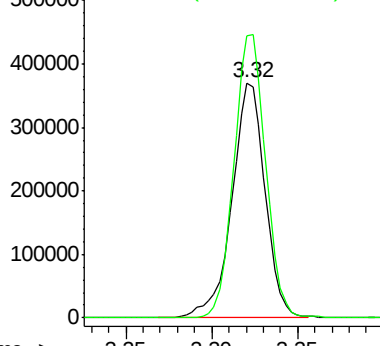
39 100

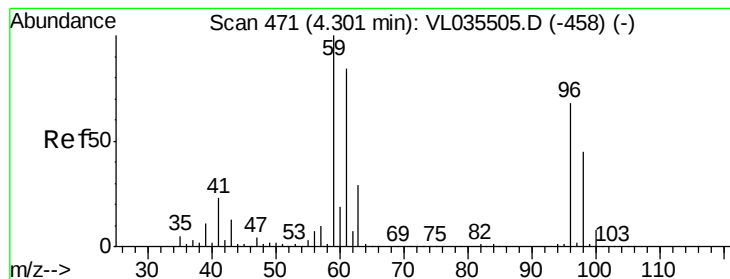
54 115.9 88.4 132.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.854 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Tot Ion: 59 Resp: 1737020

Ion Ratio Lower Upper

59 100

57 10.3 8.4 12.6

Instrument :

MSVOA_L

ClientSampleId :

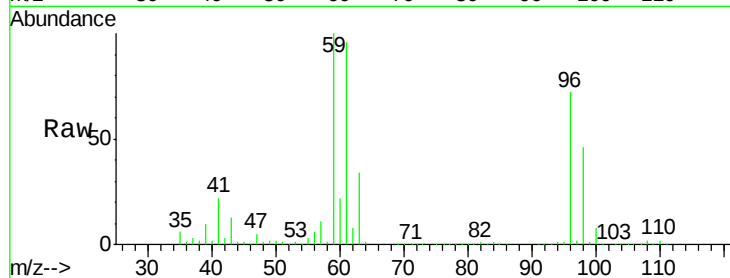
VSTDCCC010EC

Manual Integrations

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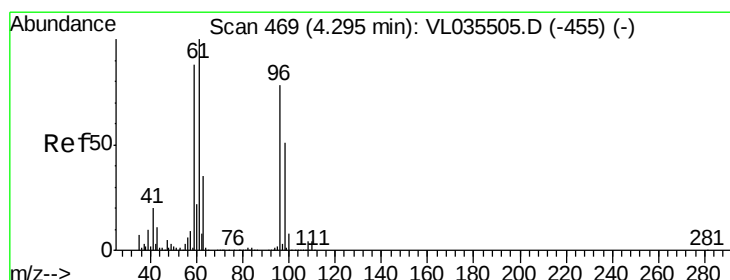
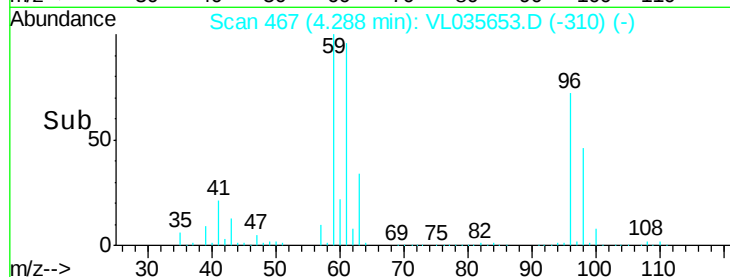
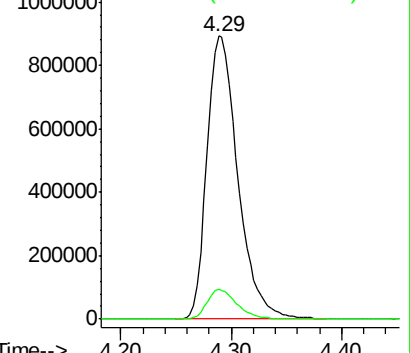
MMDadoda

9/17/2020 1:53:15 PM



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.865 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

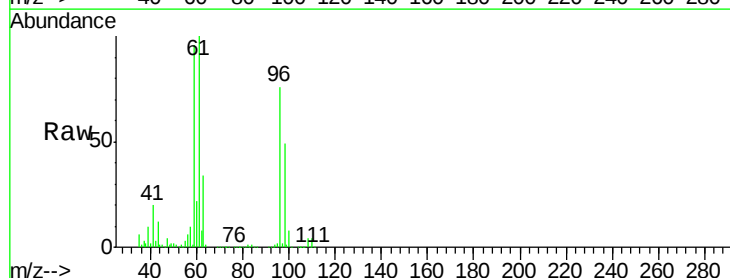
Tgt Ion: 96 Resp: 987786

Ion Ratio Lower Upper

96 100

61 132.1 103.0 154.6

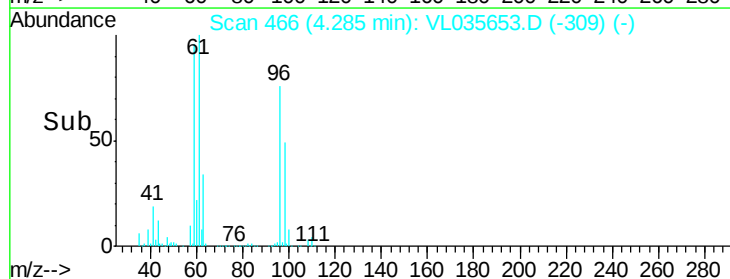
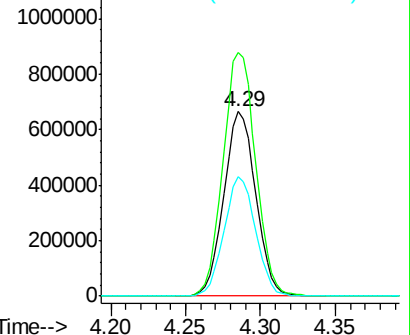
98 64.5 52.8 79.2

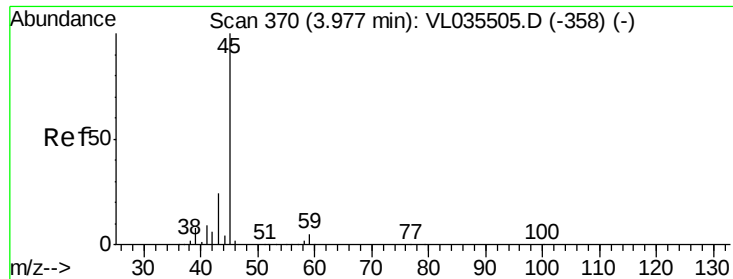


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





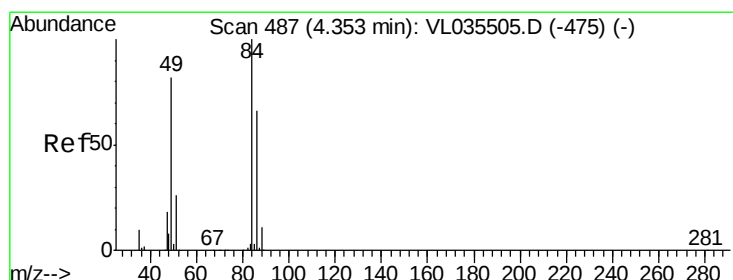
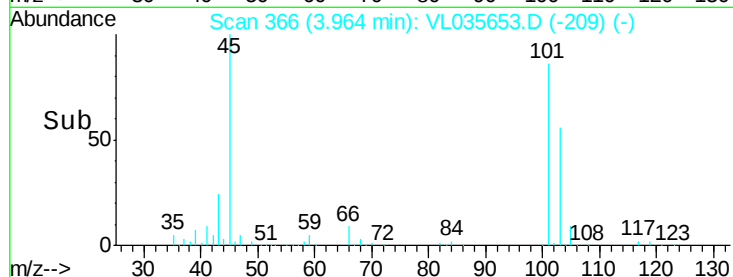
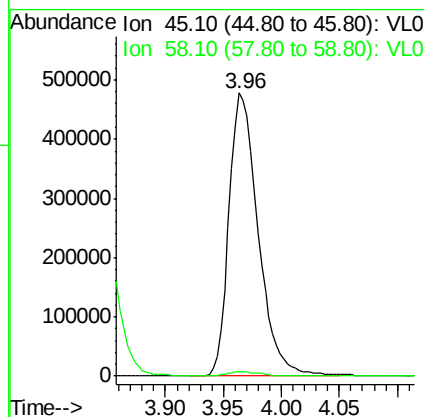
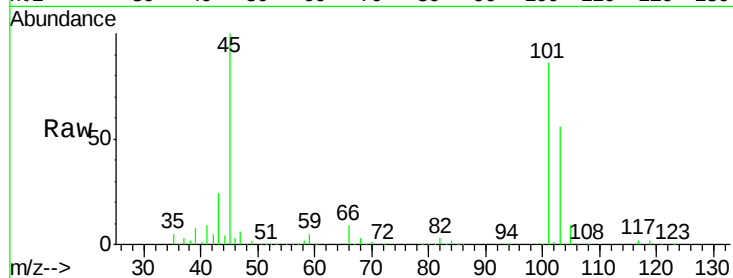
#19
Isopropyl Alcohol
Concen: 10.662 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 836288
Ion Ratio Lower Upper
45 100
58 1.9 2.0 3.0#

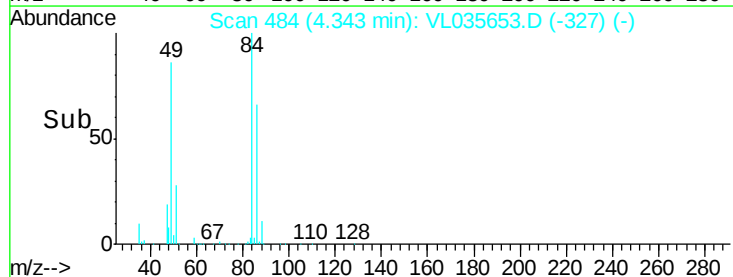
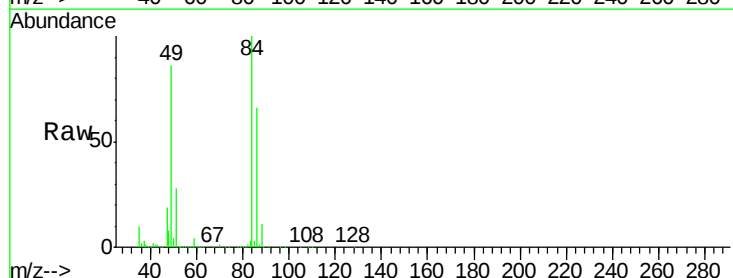
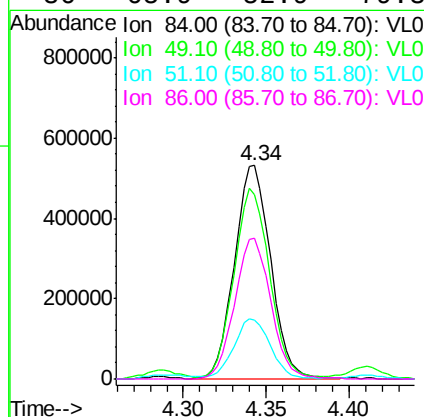
Manual Integrations
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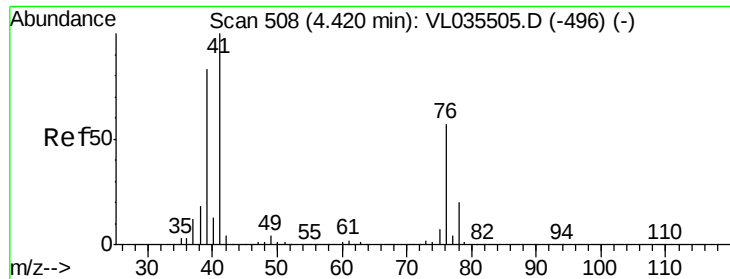
MMDadoda
9/17/2020 1:53:15 PM



#20
Methylene Chloride
Concen: 8.224 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion: 84 Resp: 805368
Ion Ratio Lower Upper
84 100
49 85.4 65.4 98.0
51 27.1 21.5 32.3
86 65.9 52.9 79.3





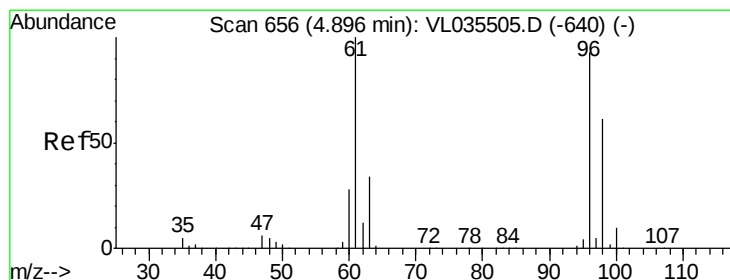
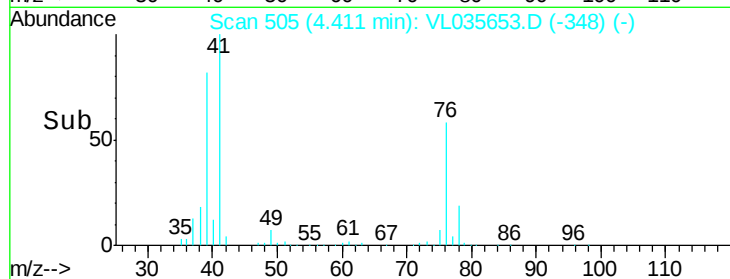
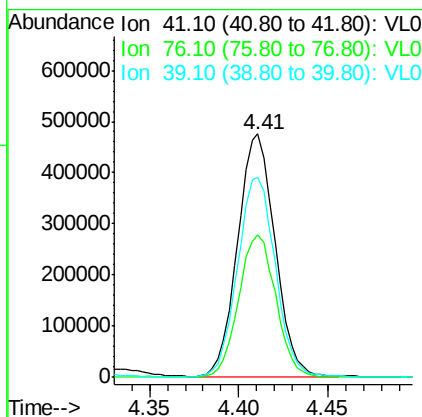
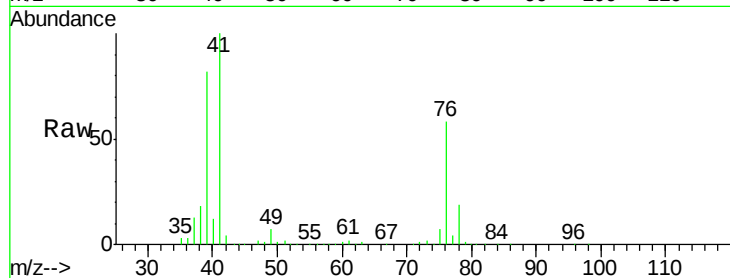
#21
Allvl Chloride
Concen: 11.225 ppbv
RT: 4.41 min Scan# 505
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	58.7	46.2	69.2
39	84.0	67.8	101.6

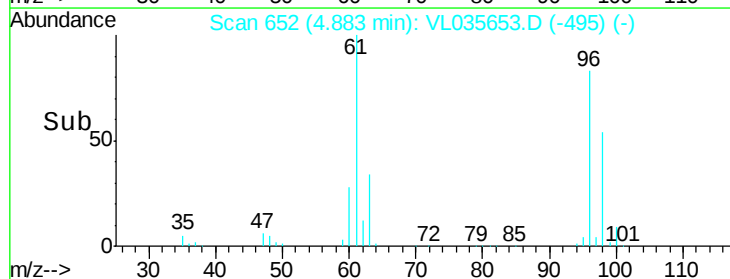
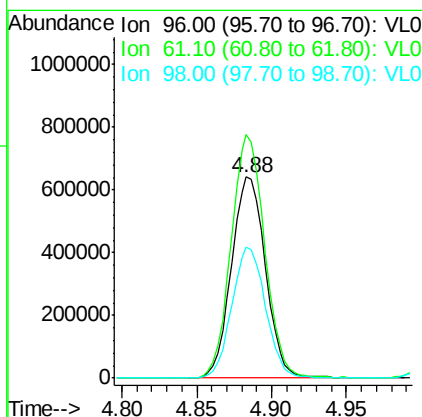
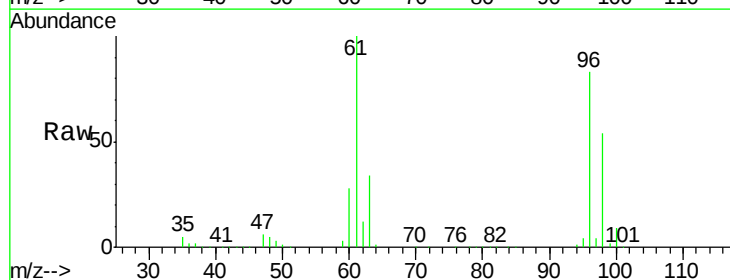
Manual Integrations
APPROVED

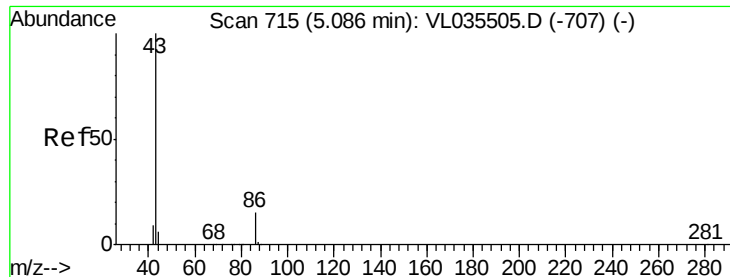
MMDadoda
9/17/2020 1:53:15 PM



#22
trans-1,2-Dichloroethene
Concen: 9.527 ppbv
RT: 4.88 min Scan# 652
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	121.1	86.0	129.0
98	65.4	52.3	78.5





#23

Vinyl Acetate

Concen: 10.267 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Tot Ion: 43 Resp: 1732548

Ion Ratio Lower Upper

43 100

86 13.6 10.6 16.0

42 9.5 7.5 11.3

44 5.2 4.4 6.6

Instrument :

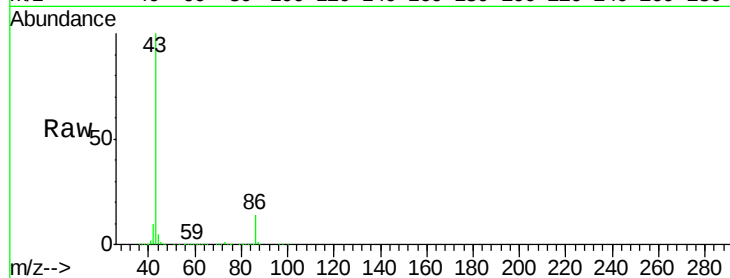
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Manual Integrations
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MMDadoda
9/17/2020 1:53:15 PM

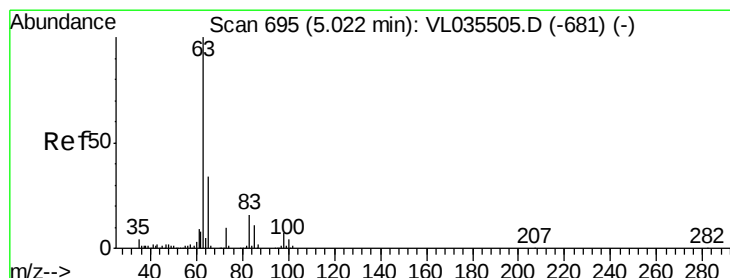
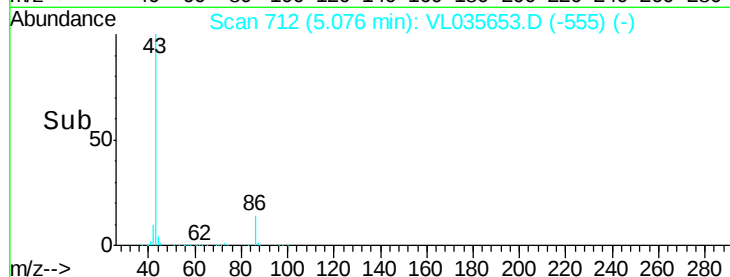
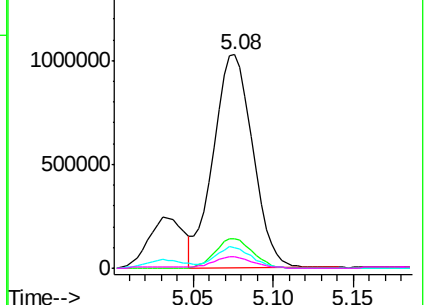


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.904 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

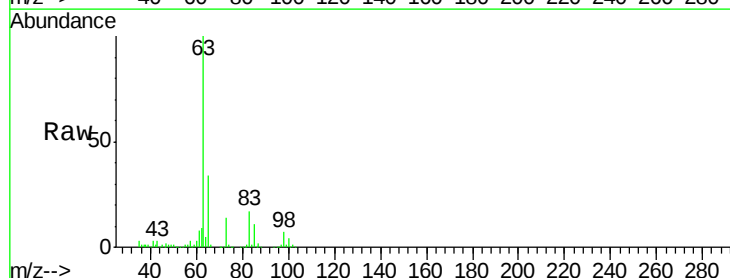
Tgt Ion: 63 Resp: 1720037

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

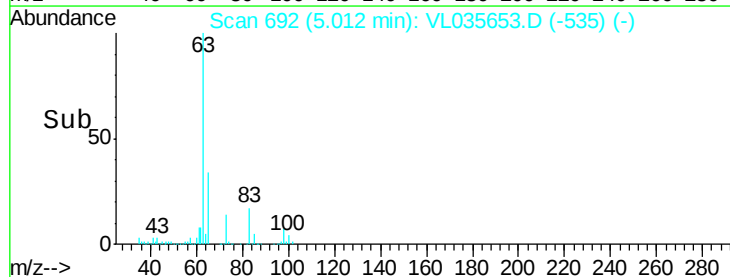
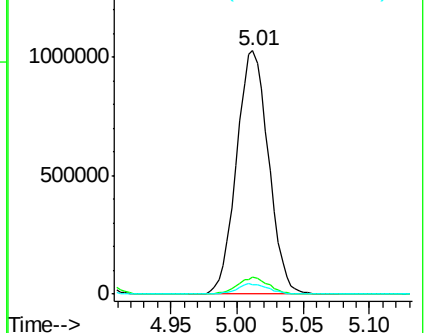
100 3.9 2.1 6.5

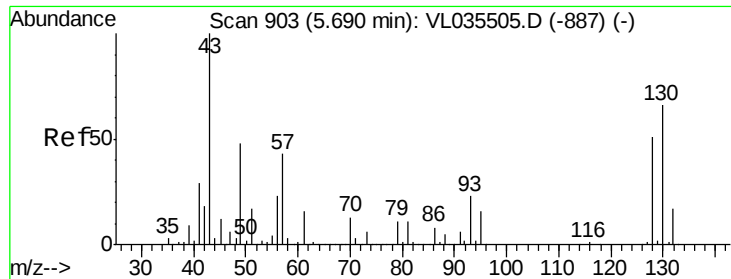


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





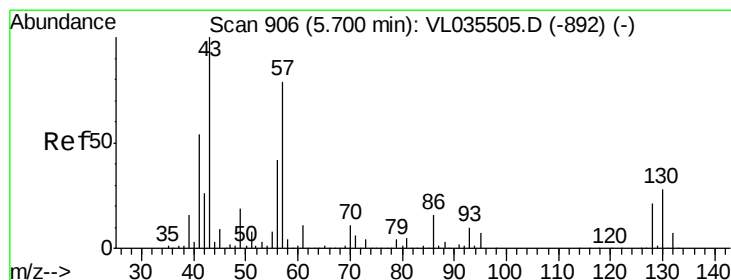
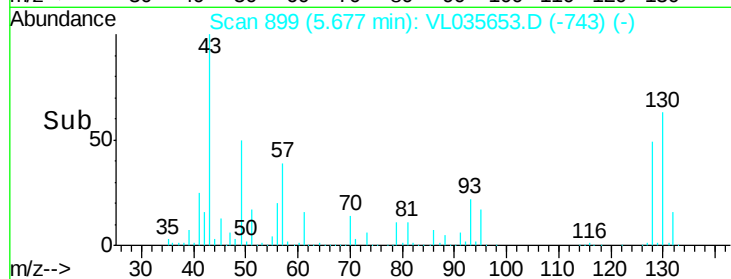
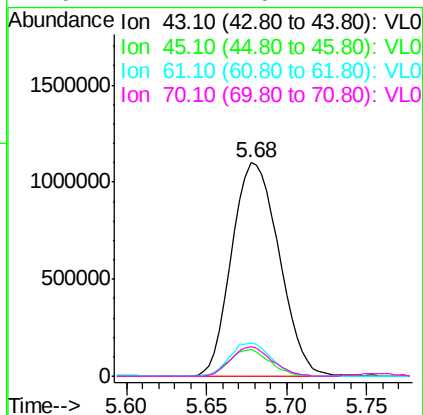
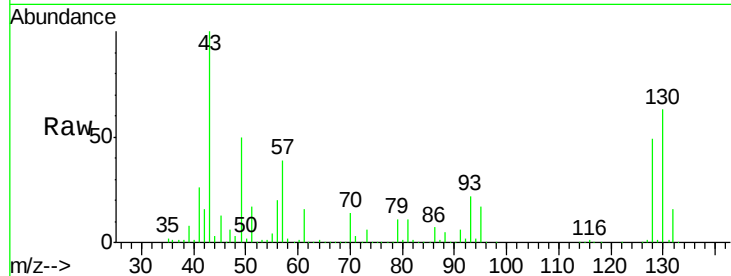
#25
Ethyl Acetate
Concen: 9.593 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:	43	Resp:	2228216
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.4	12.6
61	13.7	10.6	16.0
70	12.1	9.4	14.2

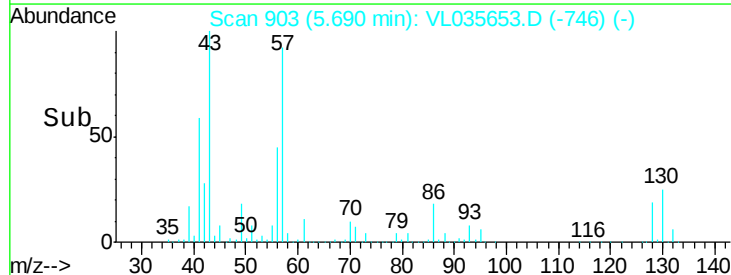
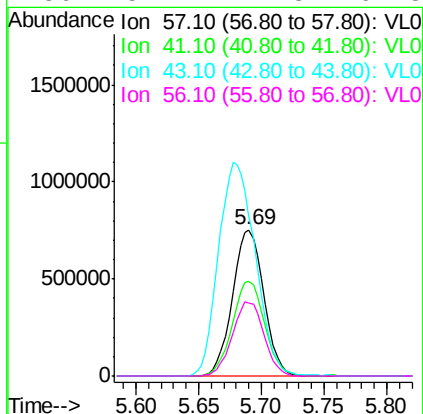
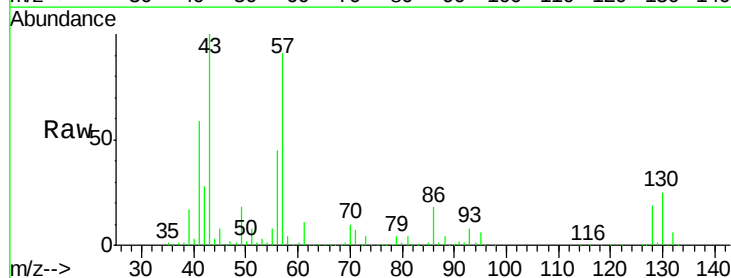
Manual Integrations
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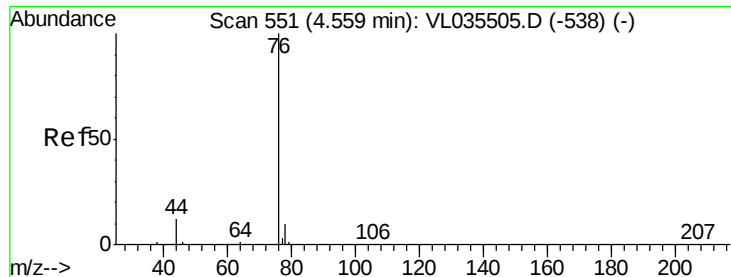
MMDadoda
9/17/2020 1:53:15 PM



#26
Hexane
Concen: 9.892 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion:	57	Resp:	1301839
Ion	Ratio	Lower	Upper
57	100		
41	68.0	55.9	83.9
43	172.4	141.8	212.8
56	51.4	41.8	62.8





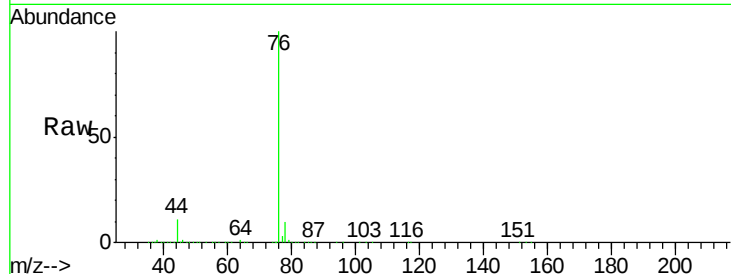
#27
Carbon Disulfide
Concen: 11.373 ppbv
RT: 4.55 min Scan# 548
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

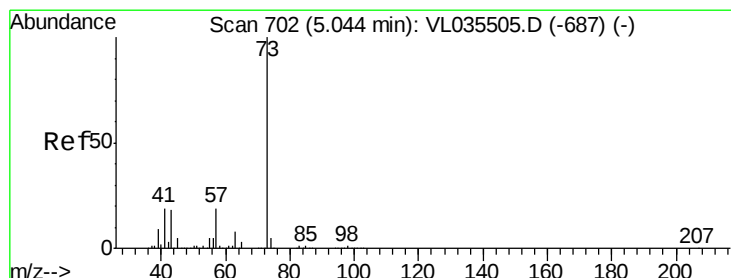
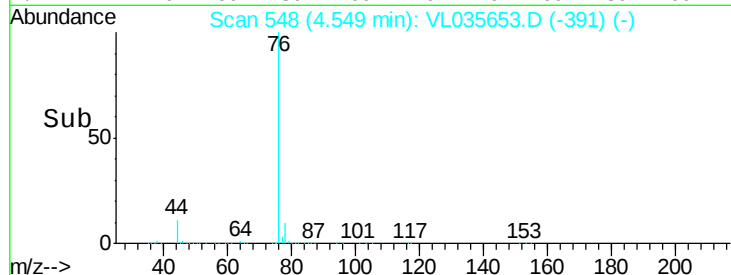
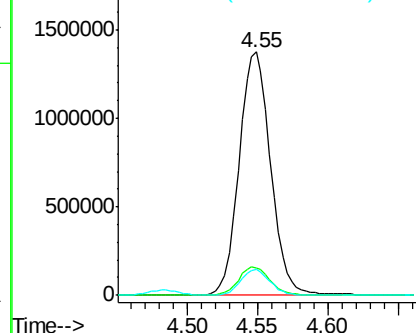
Tot Ion	Ratio	Lower	Upper
76	100		
44	11.4	9.3	13.9
78	9.9	7.8	11.6

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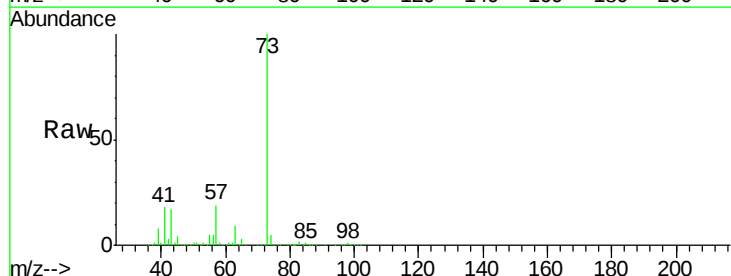


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

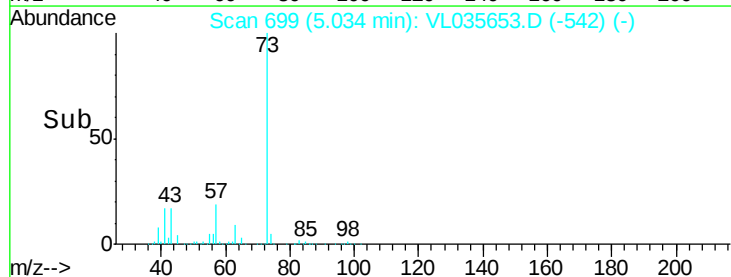
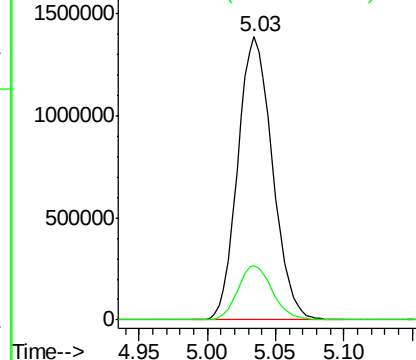


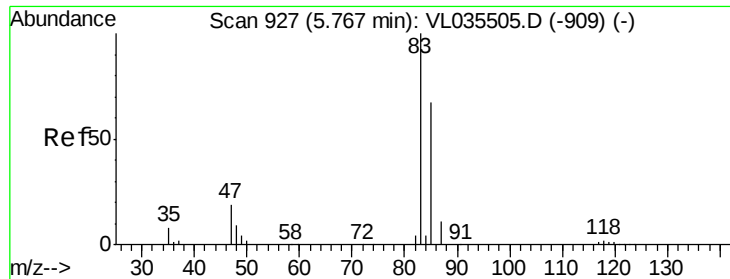
#28
Methyl tert-Butyl Ether
Concen: 10.691 ppbv
RT: 5.03 min Scan# 699
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.1	15.2	22.8



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





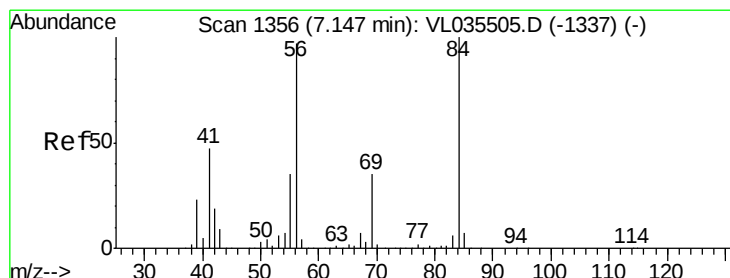
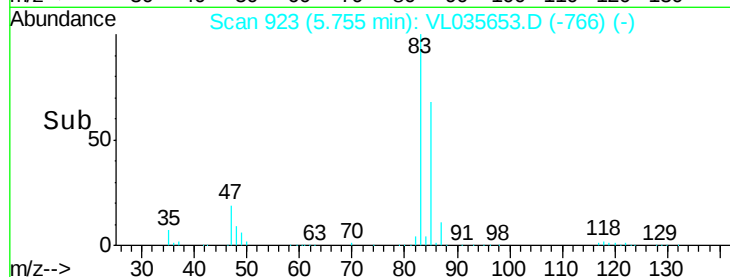
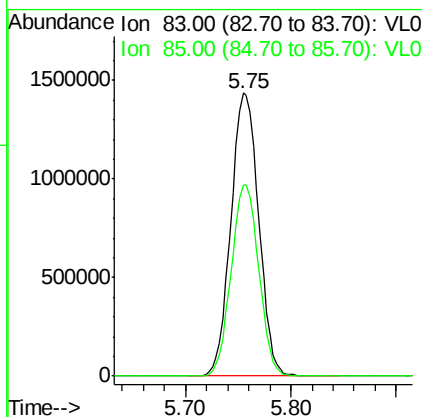
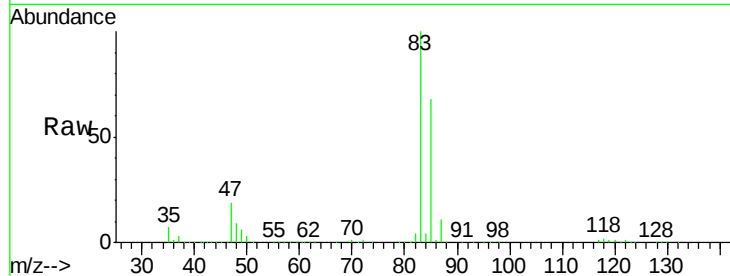
#29
Chloroform
Concen: 9.768 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2619256
Ion Ratio Lower Upper
83 100
85 67.6 53.9 80.9

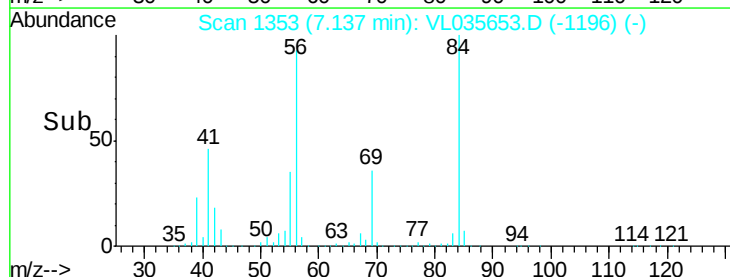
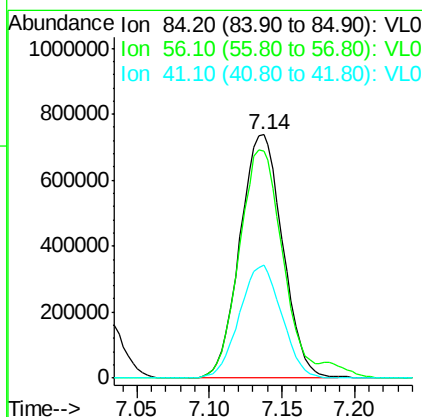
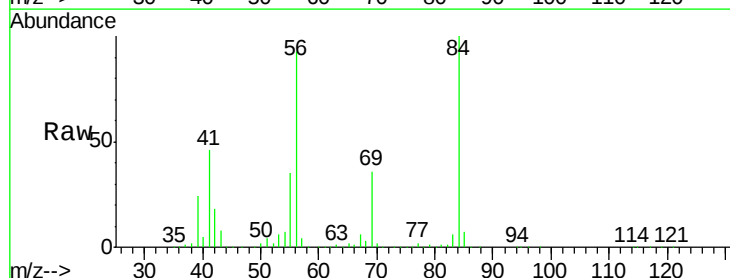
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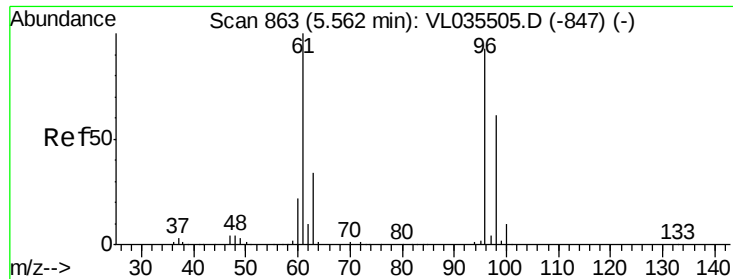
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#30
Cyclohexane
Concen: 10.722 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion: 84 Resp: 1511710
Ion Ratio Lower Upper
84 100
56 99.0 80.1 120.1
41 46.1 38.1 57.1





#31

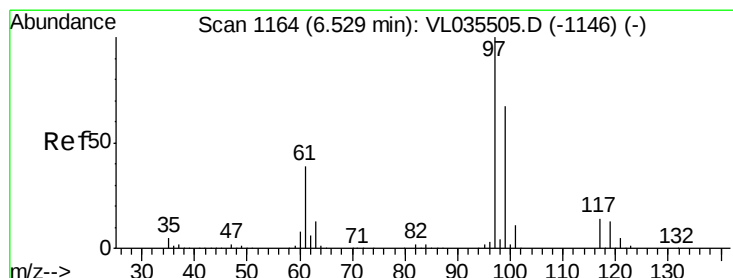
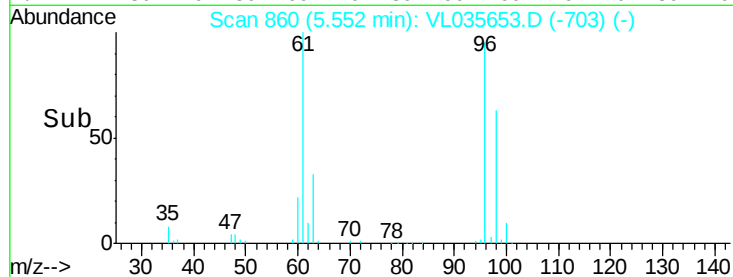
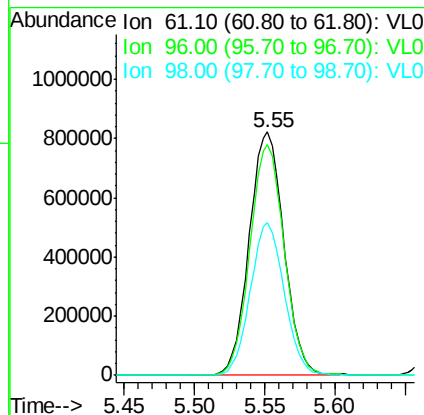
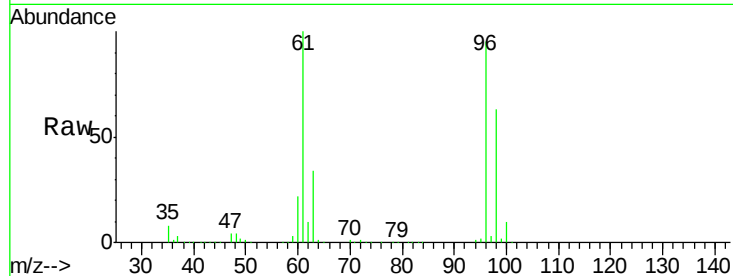
cis-1,2-Dichloroethene
 Concen: 10.504 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 61 Resp: 1418314
 Ion Ratio Lower Upper
 61 100
 96 94.7 74.4 111.6
 98 62.8 49.2 73.8

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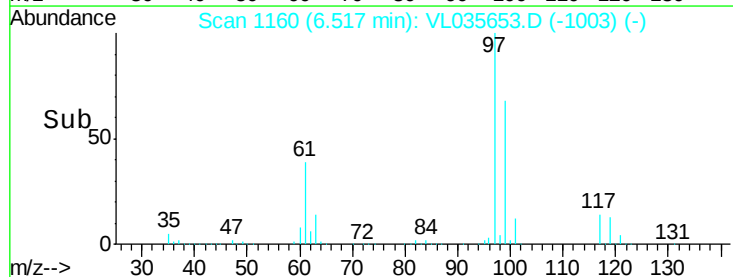
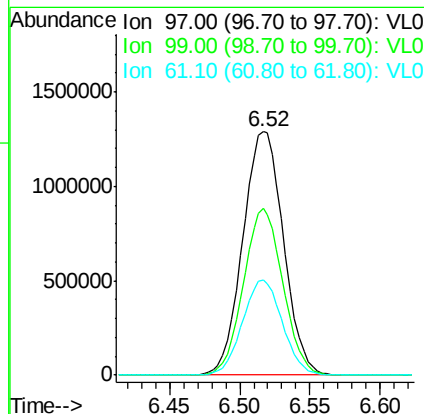
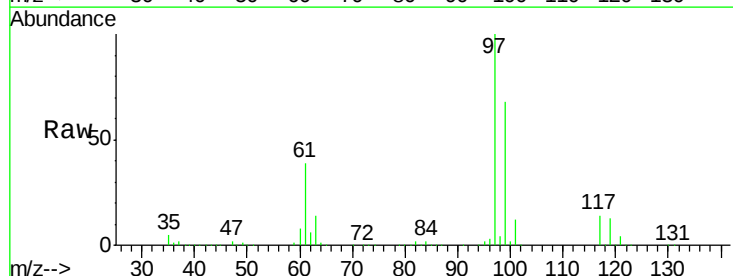
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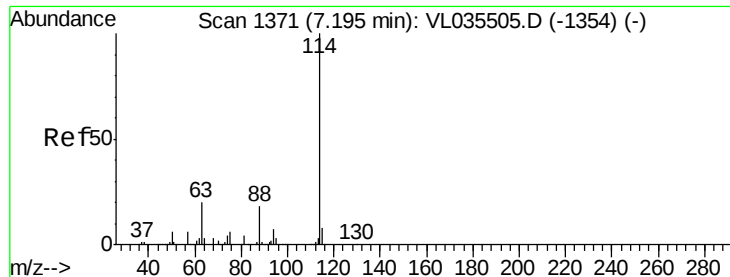


#32

1,1,1-Trichloroethane
 Concen: 10.006 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Tgt Ion: 97 Resp: 2602844
 Ion Ratio Lower Upper
 97 100
 99 66.3 53.3 79.9
 61 38.4 30.6 46.0





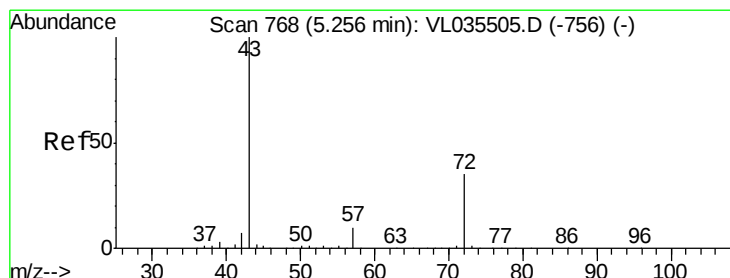
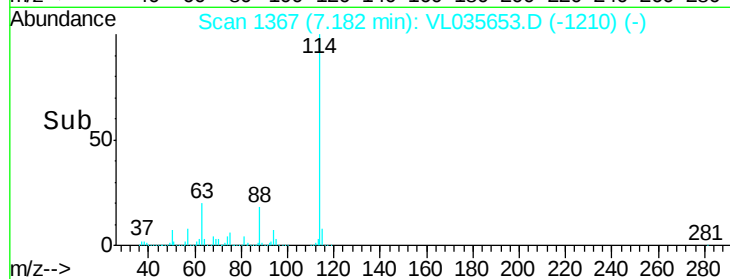
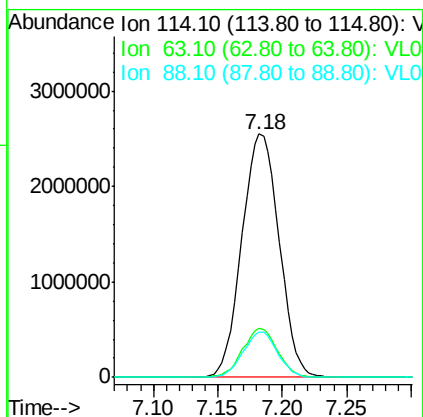
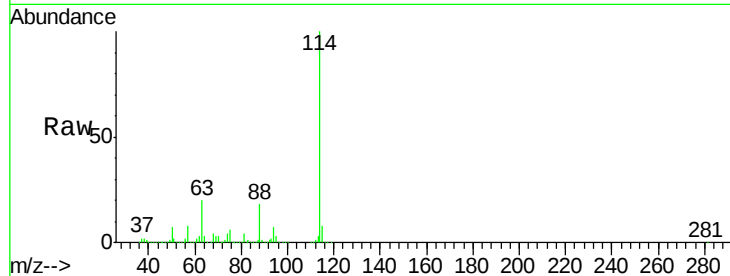
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 5127647
 Ion Ratio Lower Upper
 114 100
 63 19.0 14.7 22.1
 88 17.3 13.4 20.2

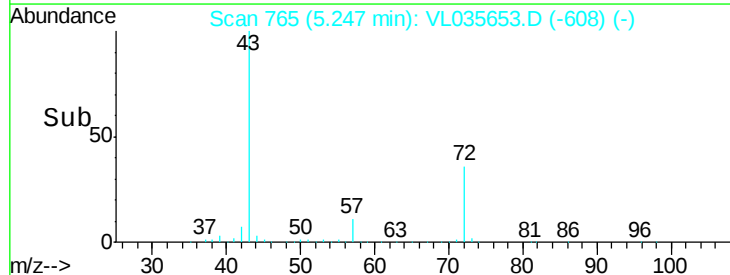
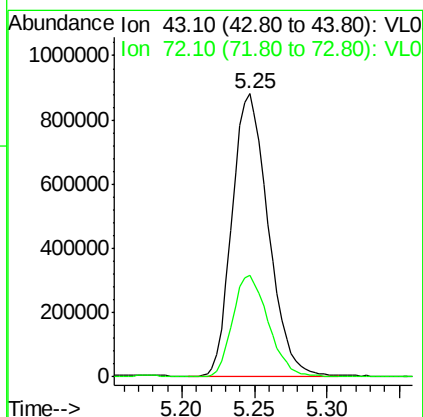
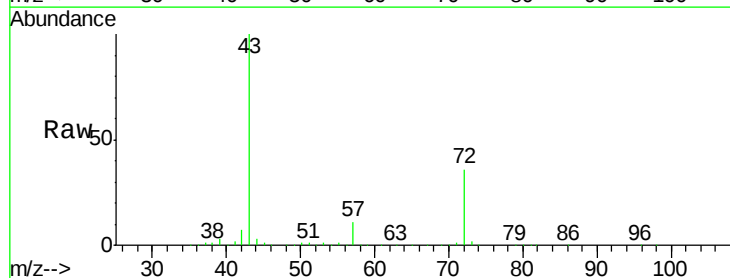
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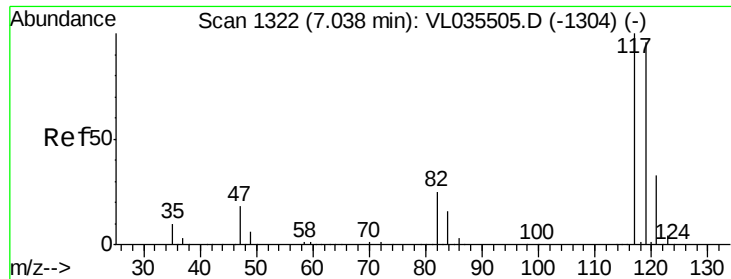
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#34
 2-Butanone
 Concen: 10.041 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Tgt Ion: 43 Resp: 1527902
 Ion Ratio Lower Upper
 43 100
 72 35.7 27.7 41.5





#35

Carbon Tetrachloride

Concen: 10.257 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2643393

Ion Ratio Lower Upper

117 100

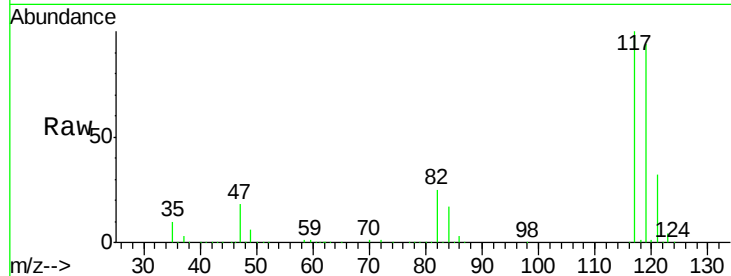
119 94.2 77.2 115.8

121 32.2 26.1 39.1

Manual Integrations
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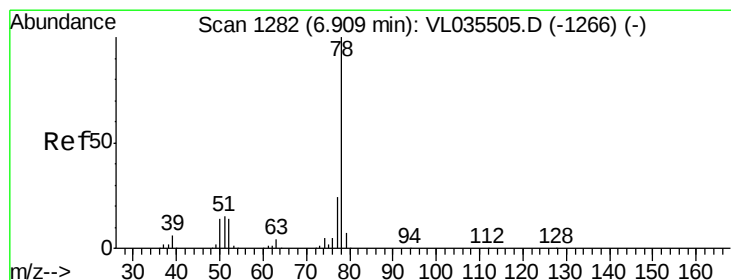
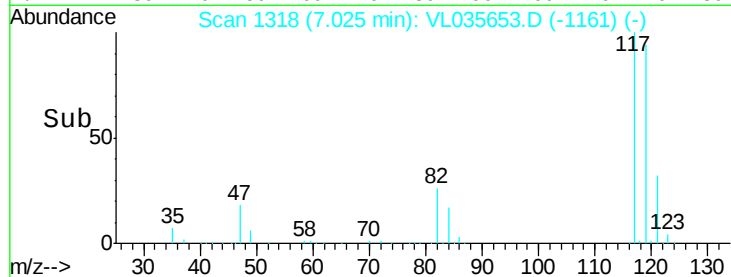
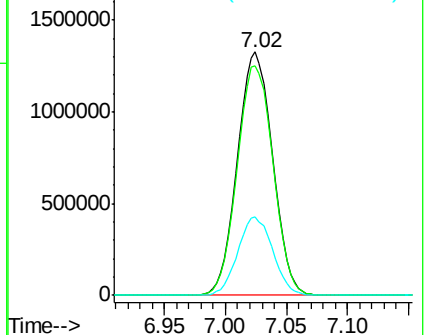
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.405 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

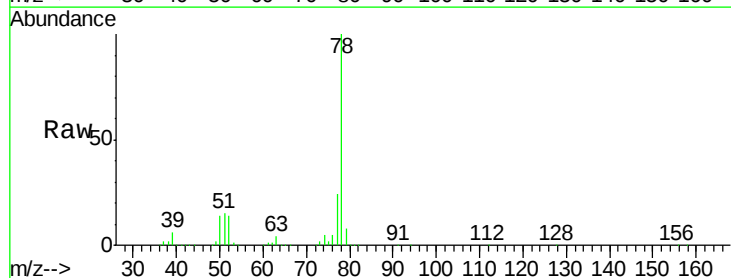
Tgt Ion: 78 Resp: 3453738

Ion Ratio Lower Upper

78 100

77 23.8 19.3 28.9

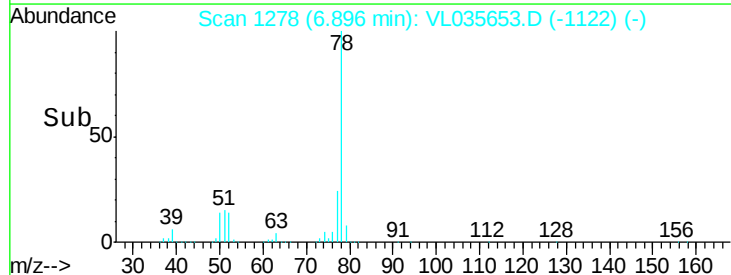
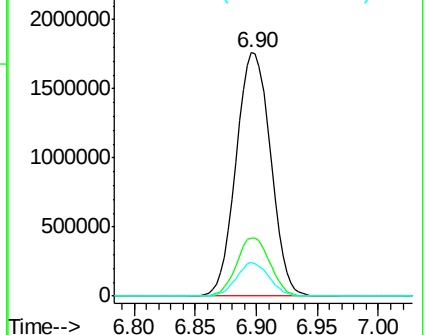
50 13.9 11.0 16.6

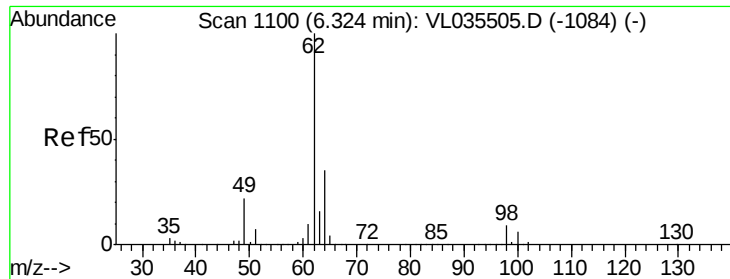


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





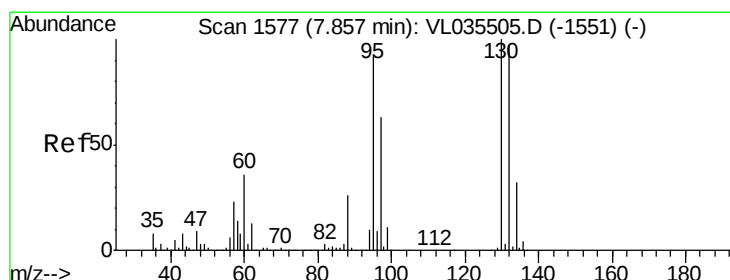
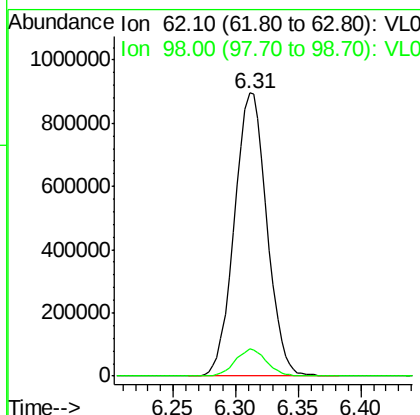
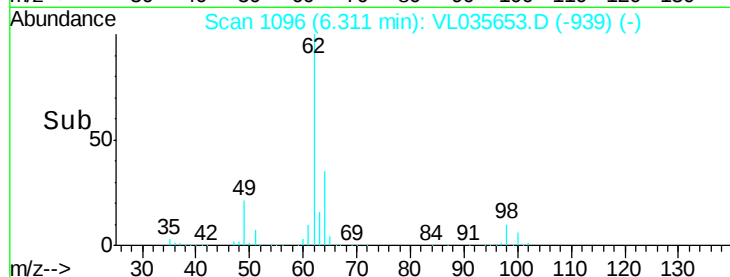
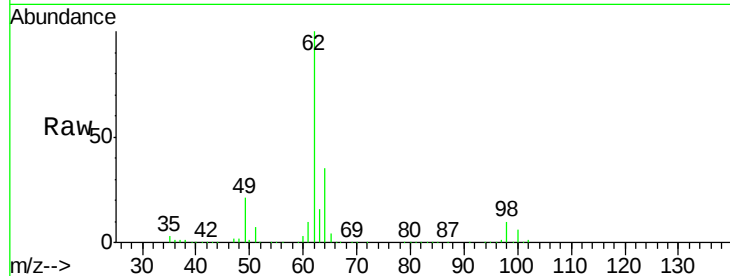
#37
 1,2-Dichloroethane
 Concen: 10.200 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1614172
 Ion Ratio Lower Upper
 62 100
 98 9.4 7.4 11.0

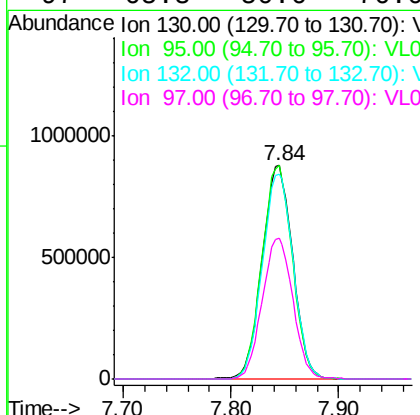
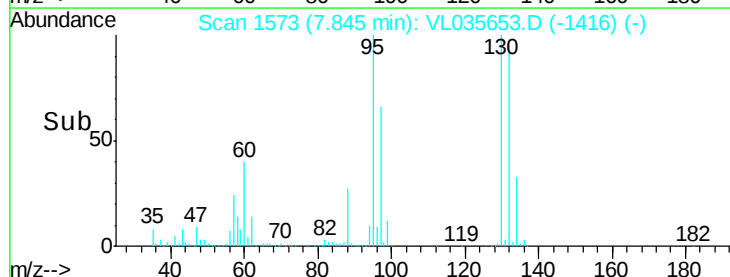
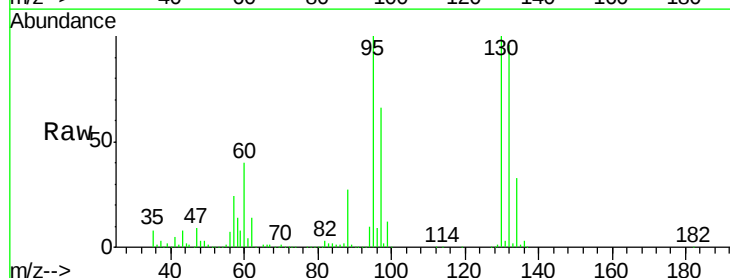
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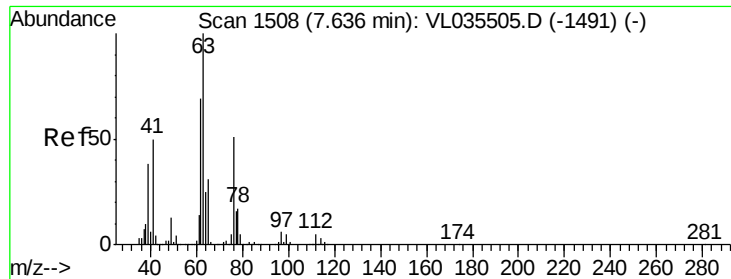
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#38
 Trichloroethene
 Concen: 8.971 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Tgt Ion:130 Resp: 1729701
 Ion Ratio Lower Upper
 130 100
 95 100.1 74.6 112.0
 132 96.1 77.6 116.4
 97 65.8 50.6 76.0





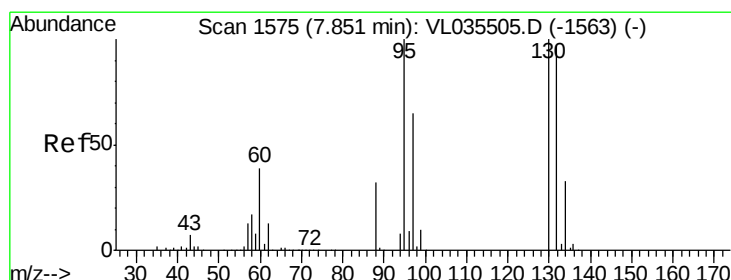
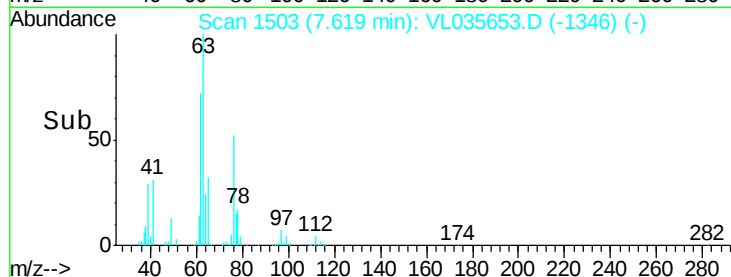
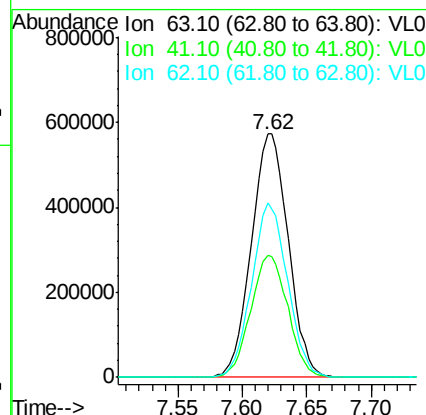
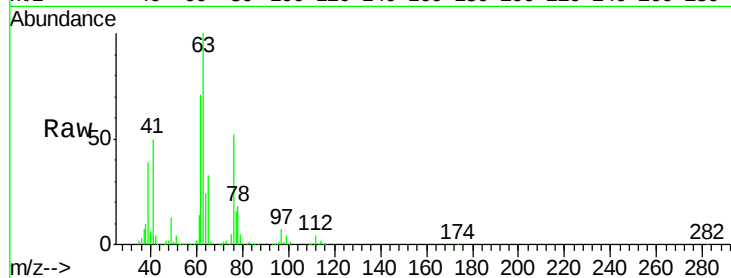
#39
 1,2-Dichloropropane
 Concen: 10.221 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	50.0	40.0	60.0
62	71.4	55.4	83.0

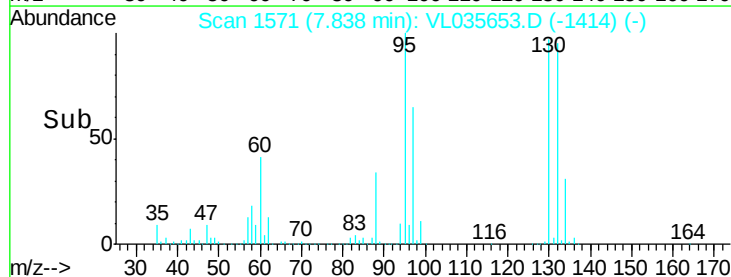
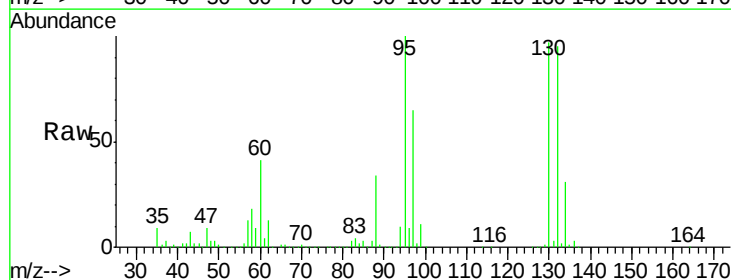
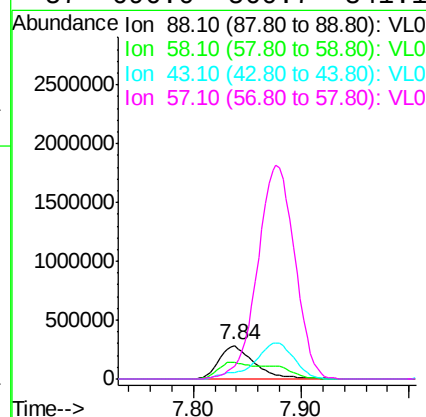
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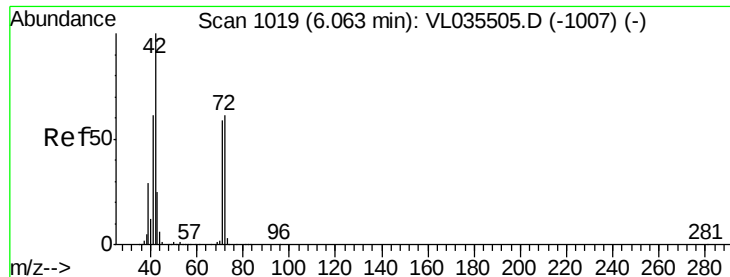
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#40
 1,4-Dioxane
 Concen: 11.162 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	86.3	68.7	103.1
43	127.7	104.3	156.5
57	696.0	560.7	841.1





#41

Tetrahydrofuran

Concen: 10.991 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

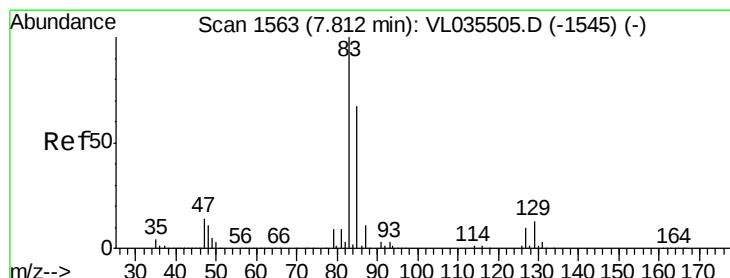
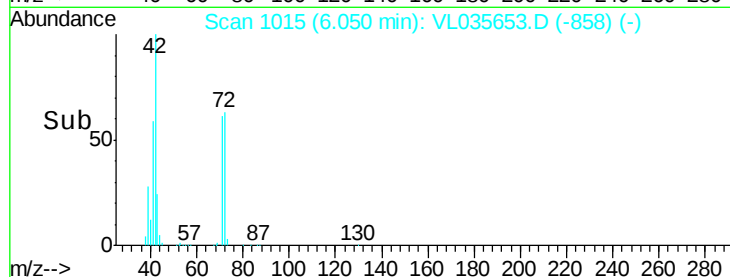
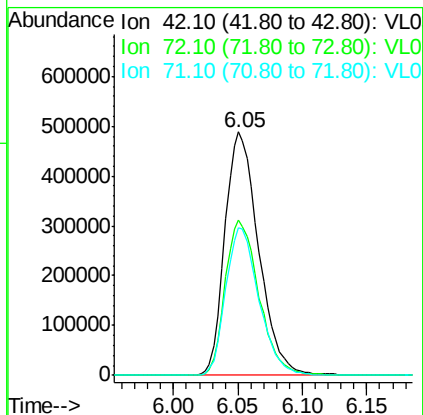
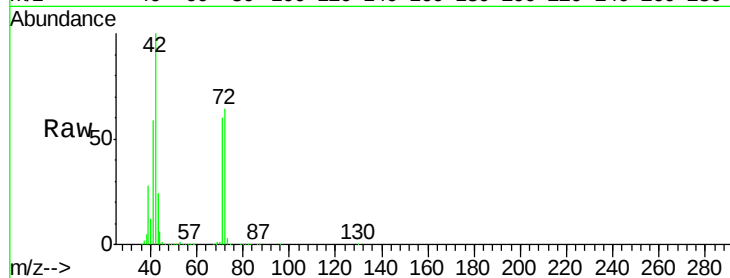
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	886895
Ion Ratio	Lower	Upper	
42	100		
72	63.9	48.6	73.0
71	59.7	46.1	69.1

Manual Integrations
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MMDadoda
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#42

Bromodichloromethane

Concen: 10.817 ppbv

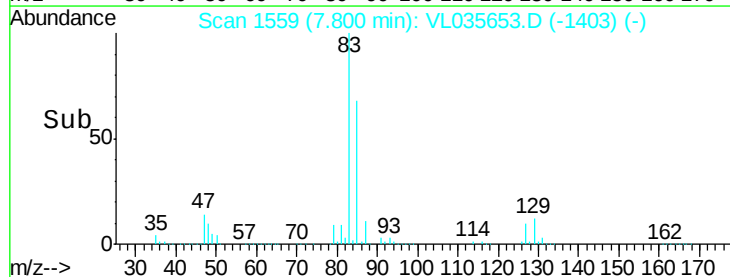
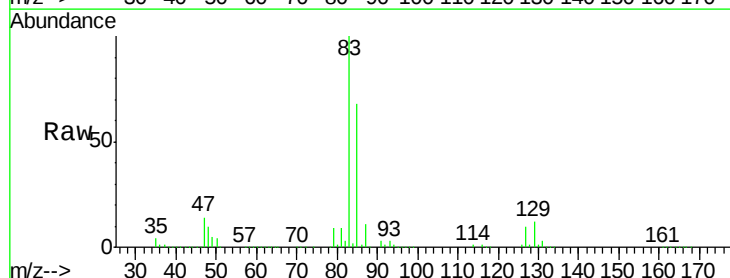
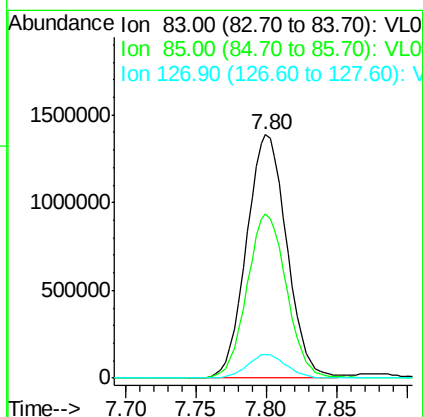
RT: 7.80 min Scan# 1559

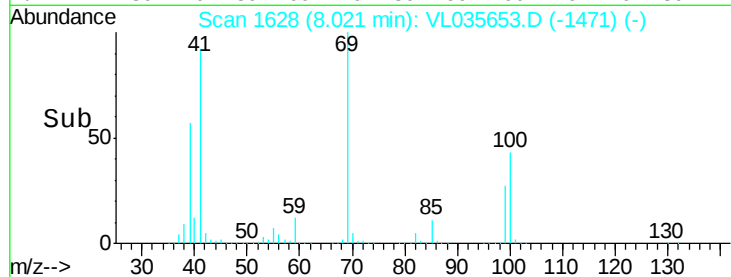
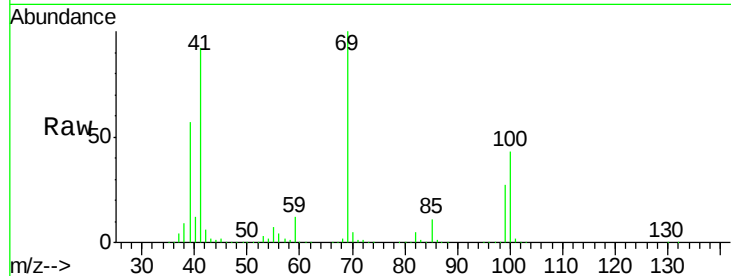
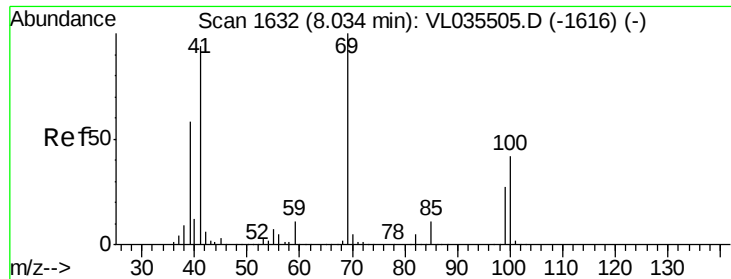
Delta R.T. 0.00 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Tgt Ion:	83	Resp:	2768083
Ion Ratio	Lower	Upper	
83	100		
85	67.6	53.7	80.5
127	9.6	8.1	12.1





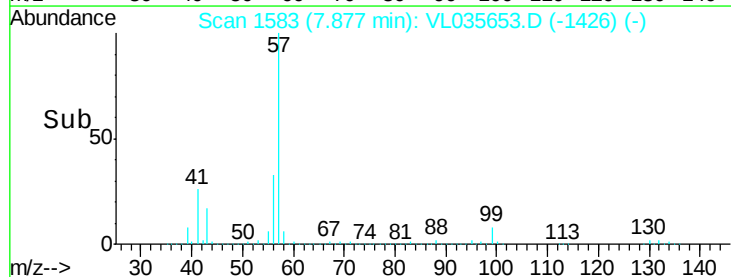
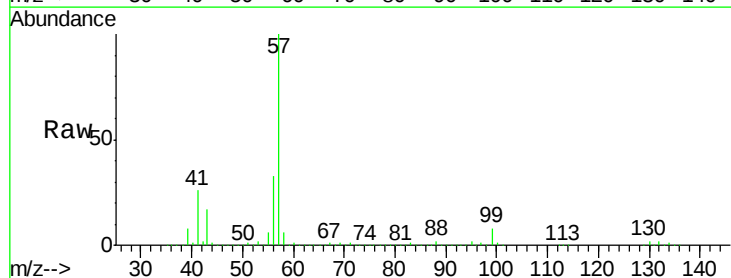
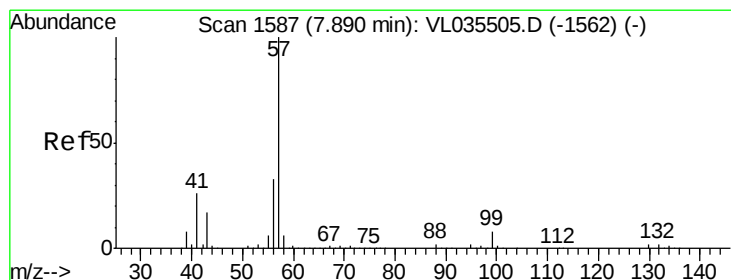
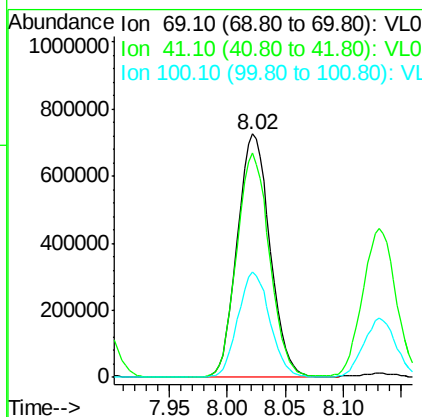
#43
Methvl Methacrylate
Concen: 11.122 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tot Ion: 69 Resp: 1427429
Ion Ratio Lower Upper
69 100
41 92.1 76.6 114.8
100 42.3 33.8 50.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

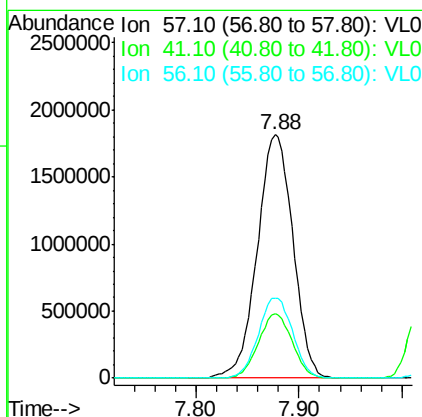
Manual Integrations
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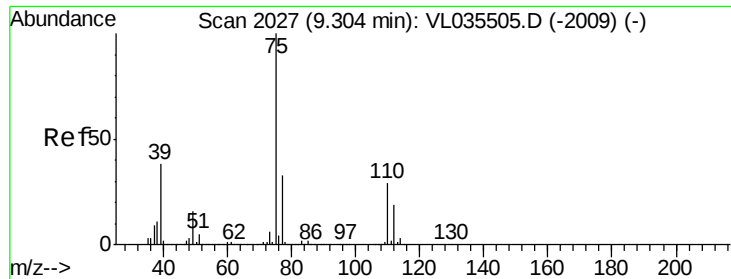
MMDadoda
9/17/2020 1:53:15 PM



#44
2,2,4-Trimethylpentane
Concen: 9.954 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion: 57 Resp: 4347384
Ion Ratio Lower Upper
57 100
41 25.0 20.5 30.7
56 31.7 25.3 37.9





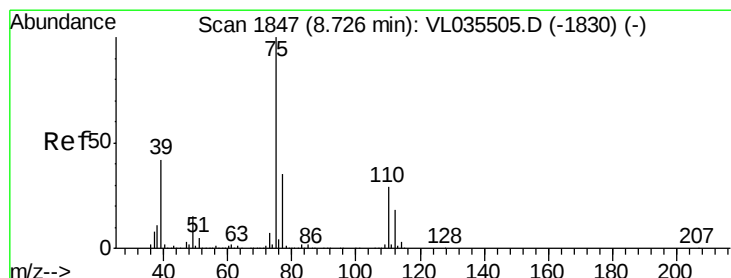
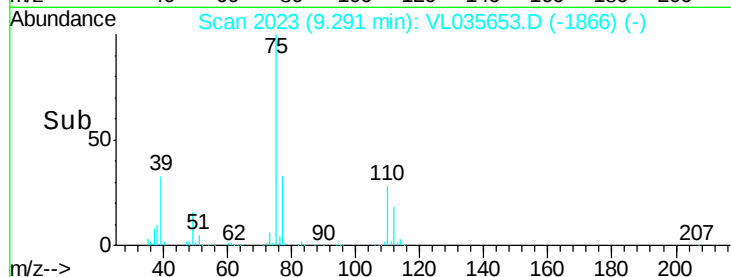
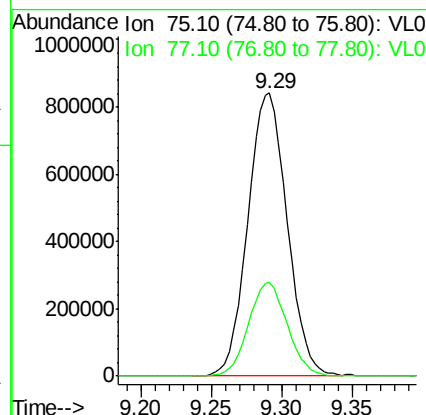
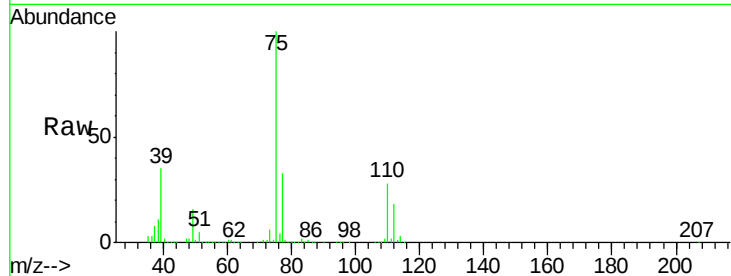
#45
t-1,3-Dichloropropene
Concen: 12.609 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1639375
Ion Ratio Lower Upper
75 100
77 33.2 26.5 39.7

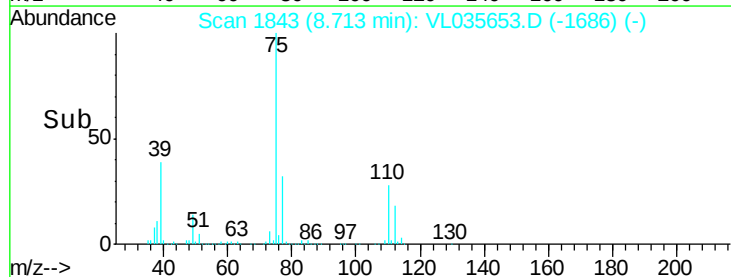
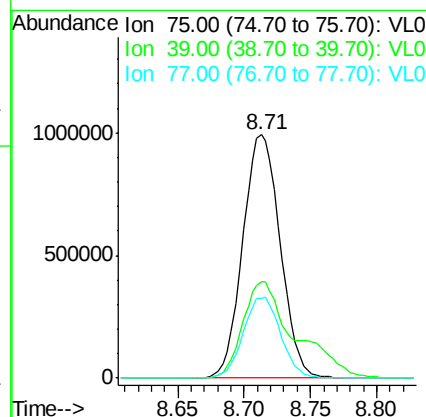
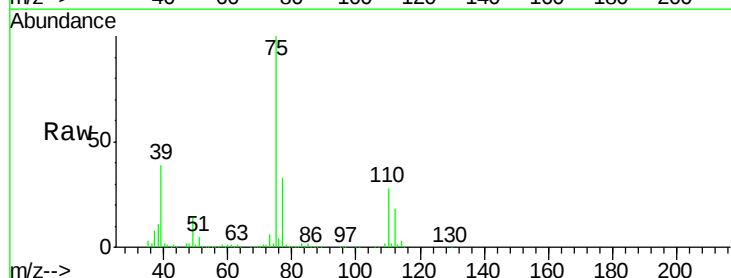
Manual Integrations
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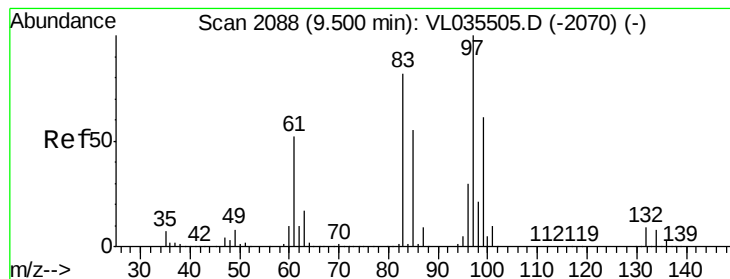
MMDadoda
9/17/2020 1:53:15 PM



#46
cis-1,3-Dichloropropene
Concen: 12.039 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion: 75 Resp: 1943522
Ion Ratio Lower Upper
75 100
39 39.4 33.7 50.5
77 32.5 27.8 41.6





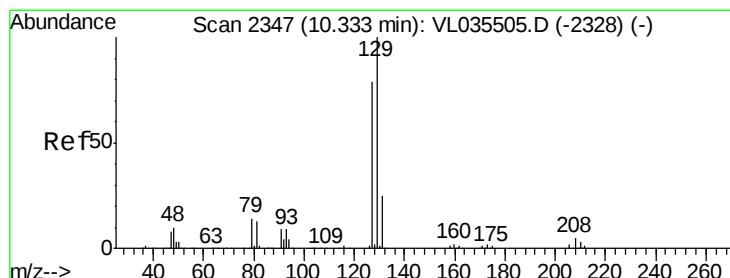
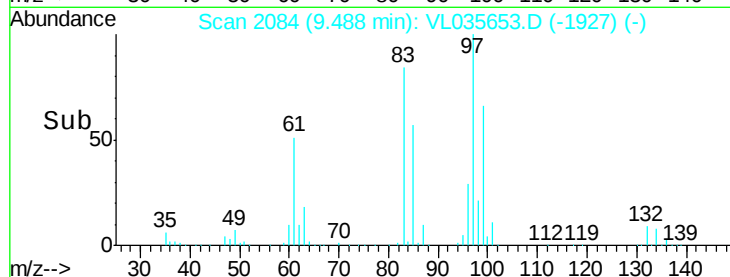
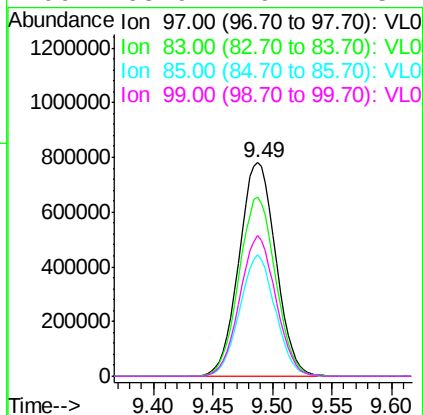
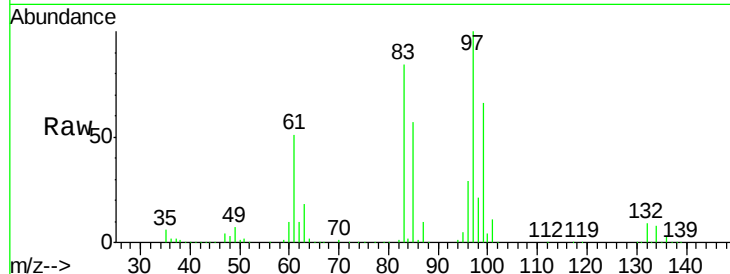
#47
 1,1,2-Trichloroethane
 Concen: 10.124 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	97	Resp	1674971
Ion	Ratio	Lower	Upper
97	100		
83	84.1	65.4	98.2
85	56.8	43.7	65.5
99	65.9	49.1	73.7

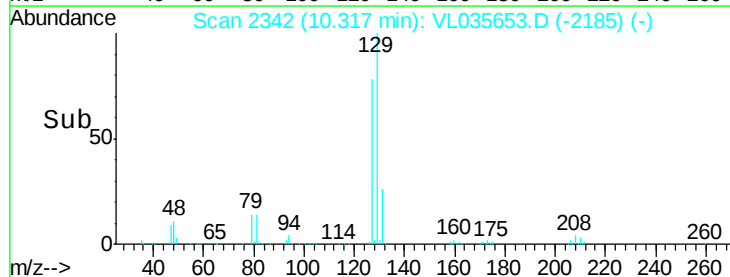
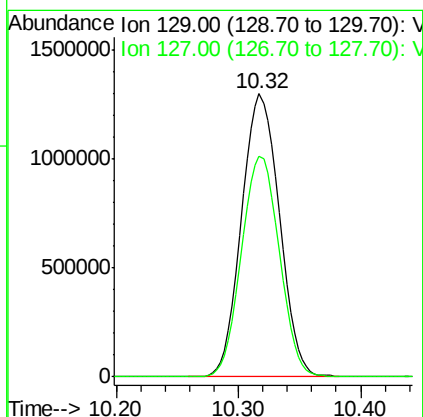
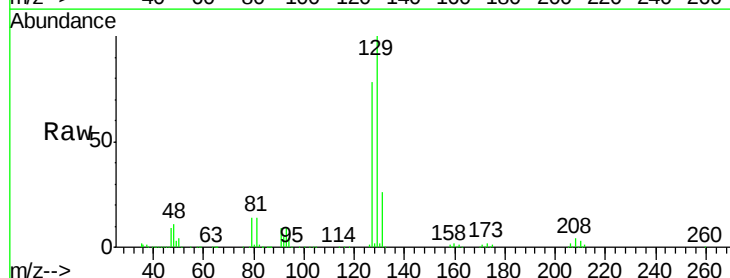
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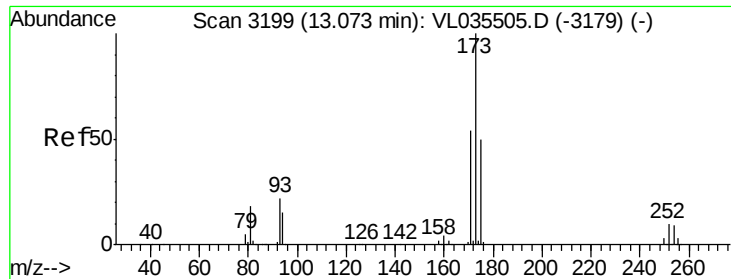
MMDadoda
 9/17/2020 1:53:15 PM



#48
 Dibromochloromethane
 Concen: 10.695 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Tgt Ion	129	Resp	2784942
Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.3	117.8





#49

Bromoform

Concen: 10.514 ppbv

RT: 13.06 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 2481243

Ion Ratio Lower Upper

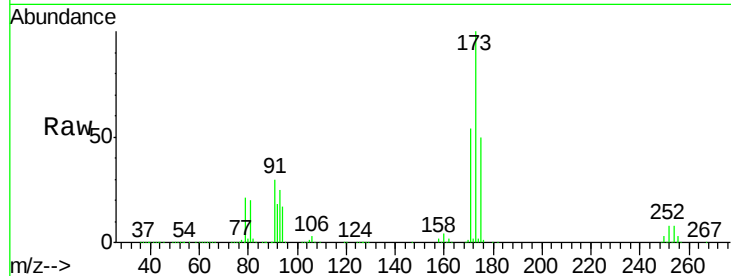
173 100

175 50.0 39.8 59.8

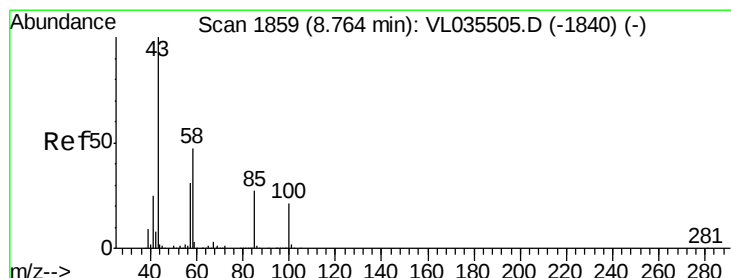
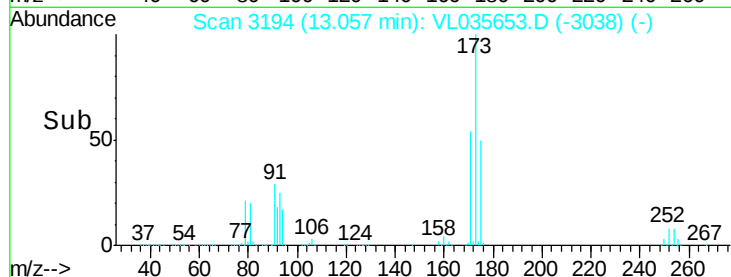
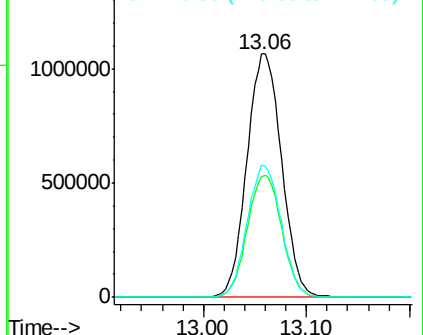
171 53.6 42.4 63.6

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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: 10.160 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL035653.D

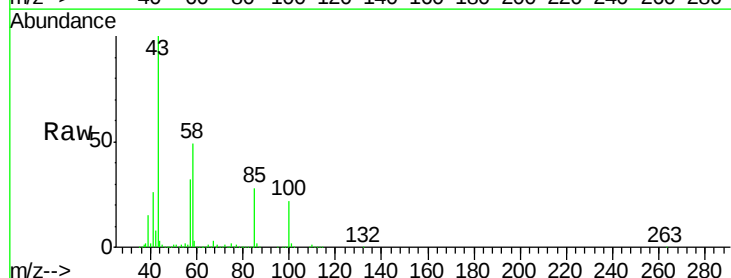
Acq: 17 Sep 2020 9:25

Tgt Ion: 43 Resp: 2238683

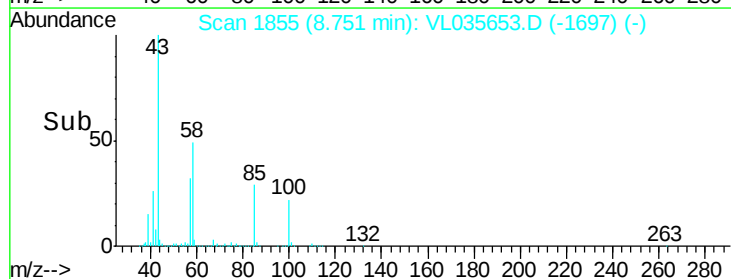
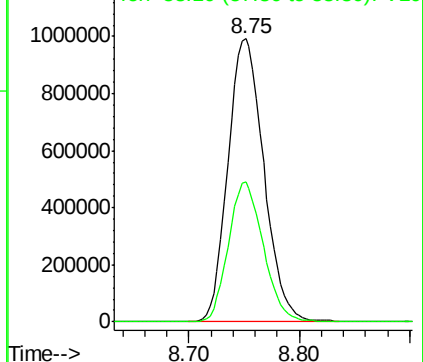
Ion Ratio Lower Upper

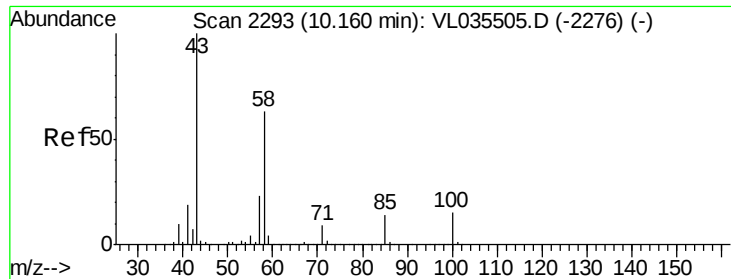
43 100

58 48.2 37.4 56.0



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





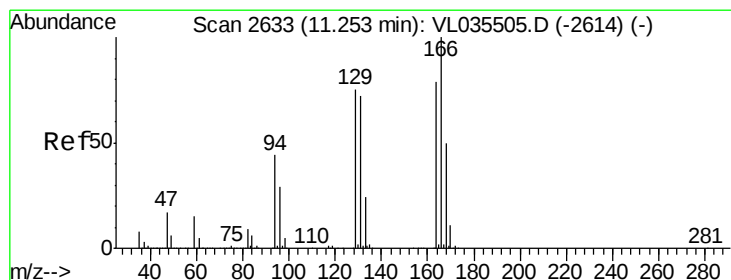
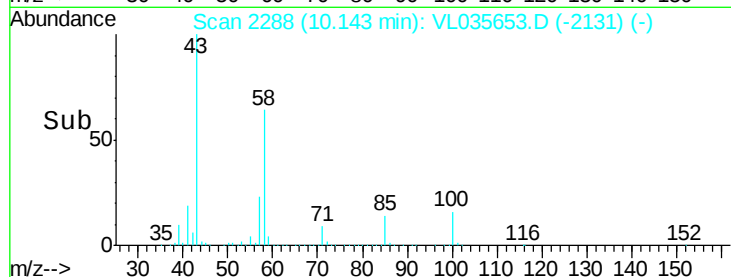
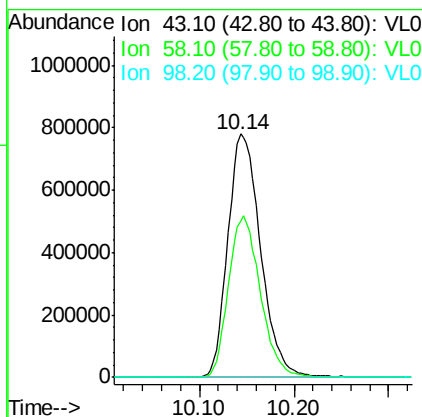
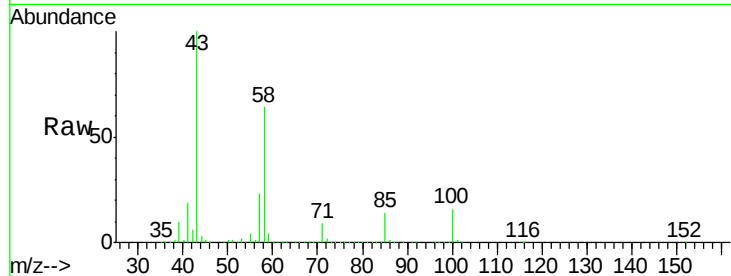
#51
2-Hexanone
Concen: 10.376 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1875517
Ion Ratio Lower Upper
43 100
58 64.7 50.2 75.4
98 0.4 0.4 0.6#

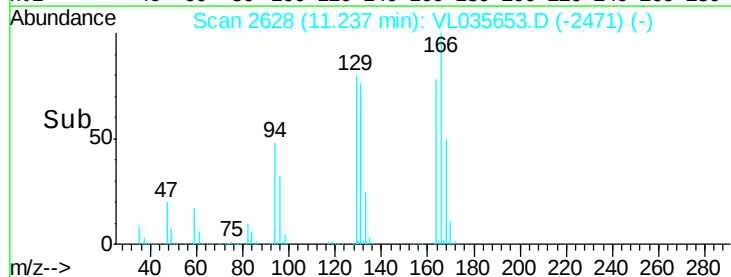
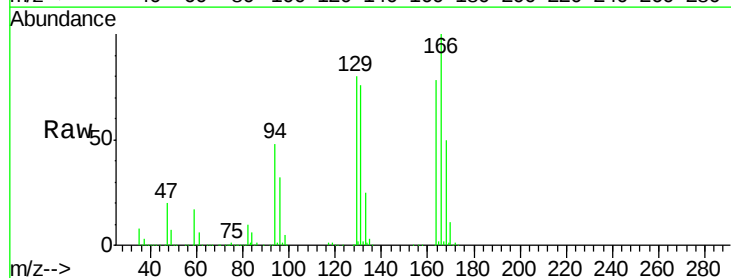
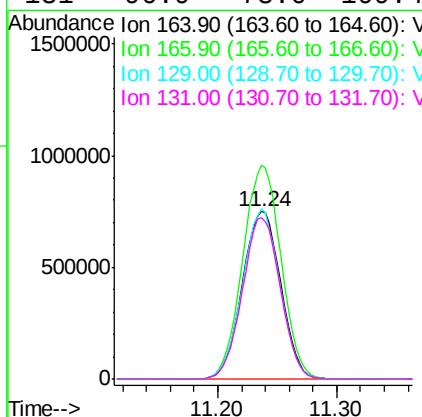
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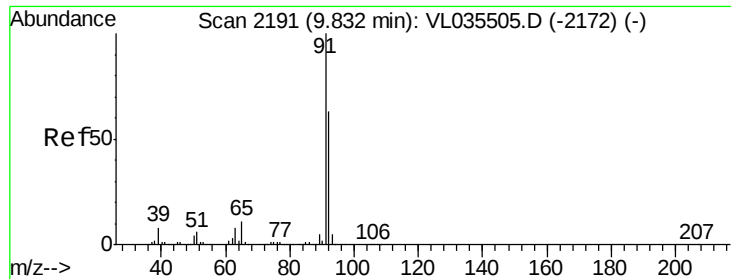
MMDadoda
9/17/2020 1:53:15 PM



#52
Tetrachloroethene
Concen: 8.673 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion: 164 Resp: 1681817
Ion Ratio Lower Upper
164 100
166 127.8 100.9 151.3
129 102.0 75.3 112.9
131 96.9 73.0 109.4





#53

Toluene

Concen: 10.357 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4322901

Ion Ratio Lower Upper

91 100

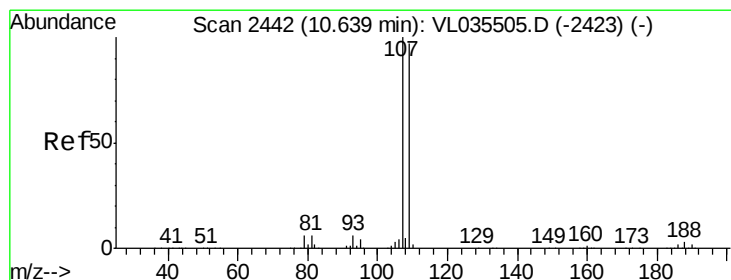
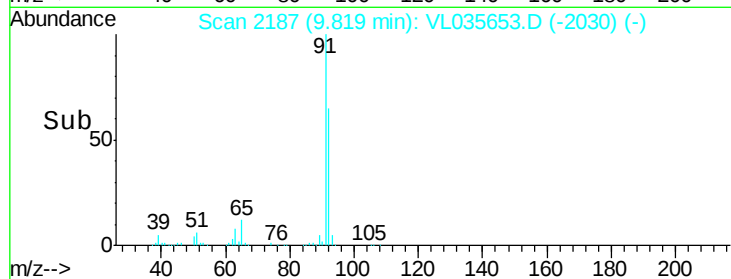
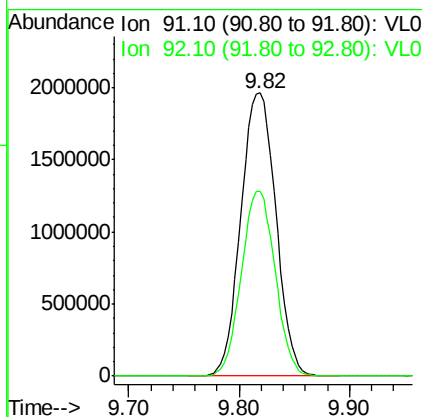
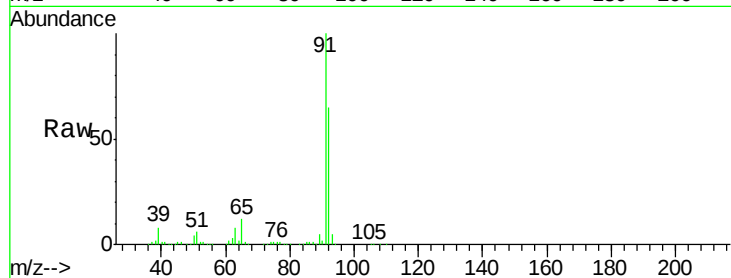
92 63.2 49.8 74.8

Manual Integrations

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9/17/2020 1:53:15 PM



#54

1,2-Dibromoethane

Concen: 10.130 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL035653.D

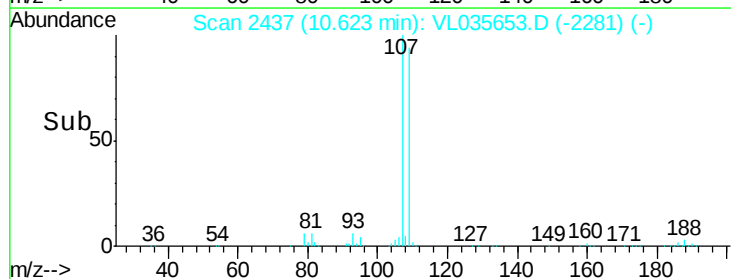
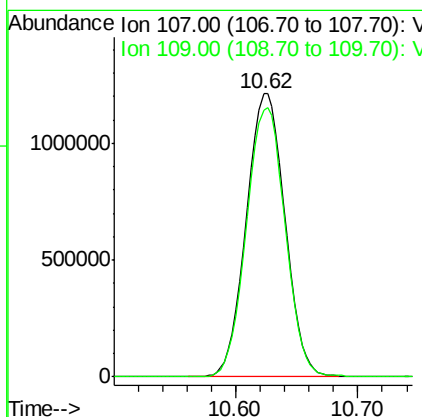
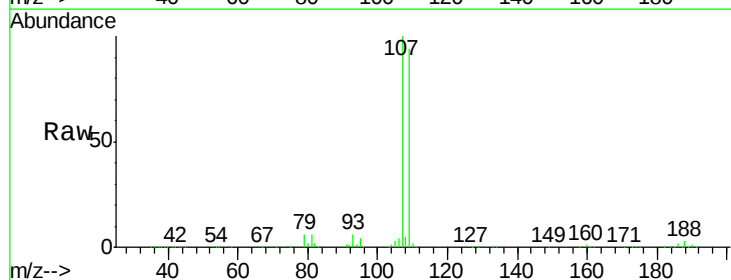
Acq: 17 Sep 2020 9:25

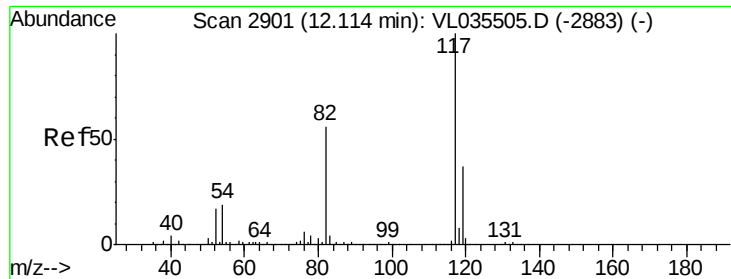
Tgt Ion: 107 Resp: 2648271

Ion Ratio Lower Upper

107 100

109 94.4 77.8 116.8





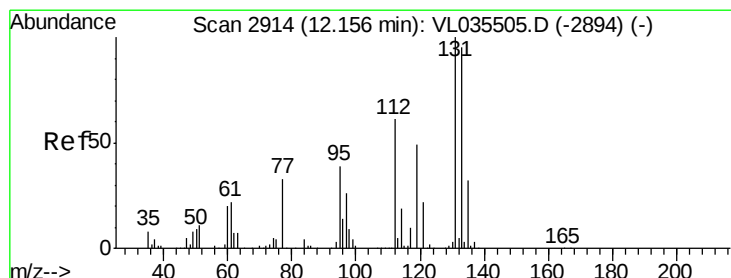
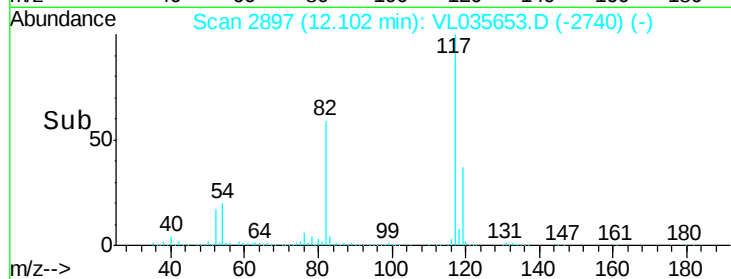
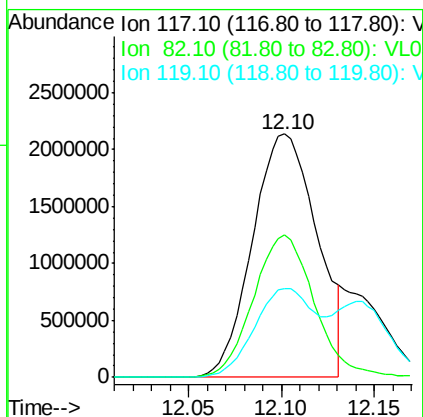
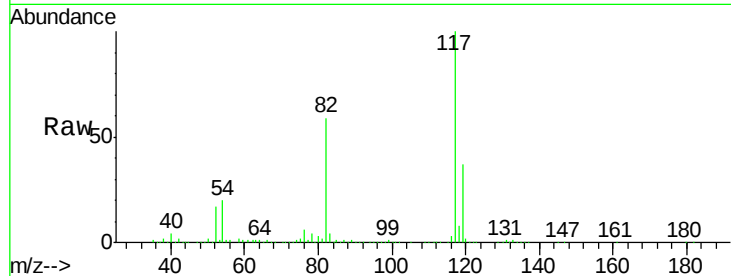
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2897
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 5166334
Ion Ratio Lower Upper
117 100
82 55.5 41.6 62.4
119 37.1 29.3 43.9

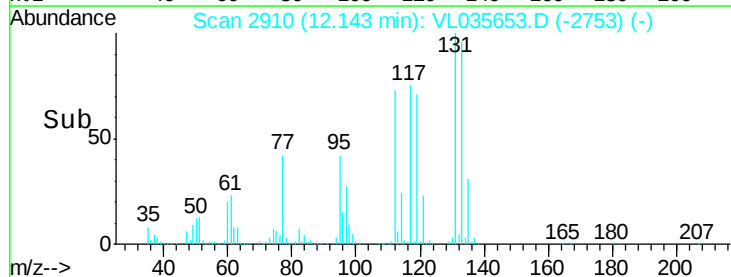
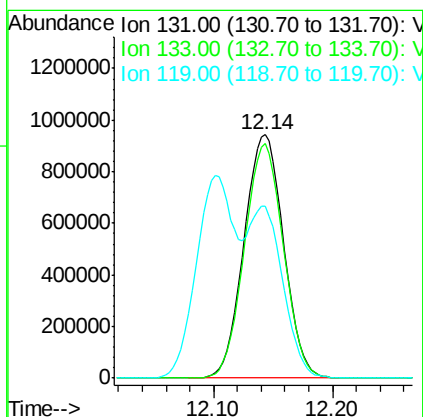
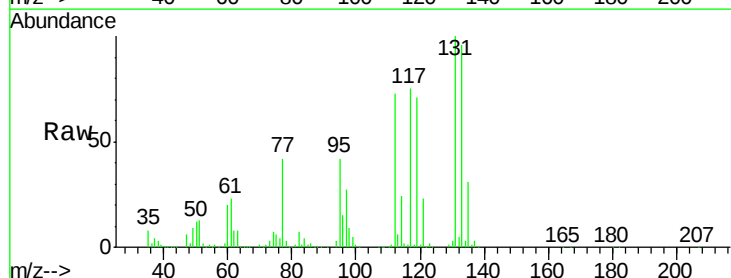
Manual Integrations
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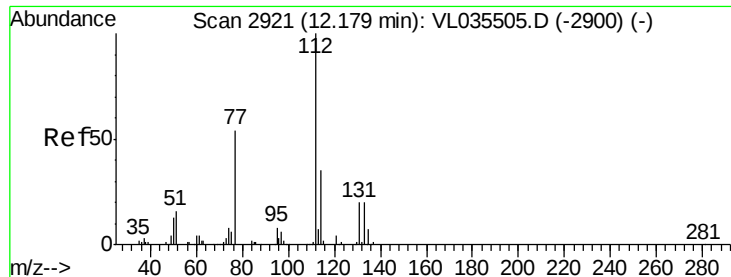
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.327 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion:131 Resp: 2170836
Ion Ratio Lower Upper
131 100
133 95.2 76.6 115.0
119 62.7 51.6 77.4





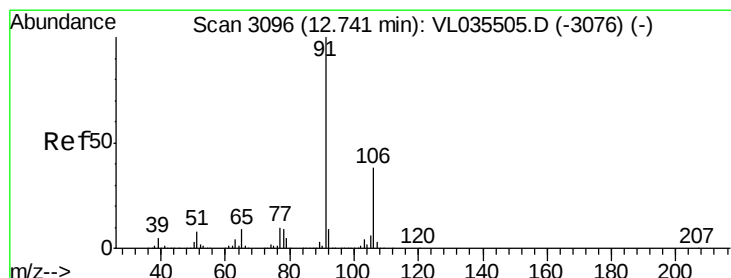
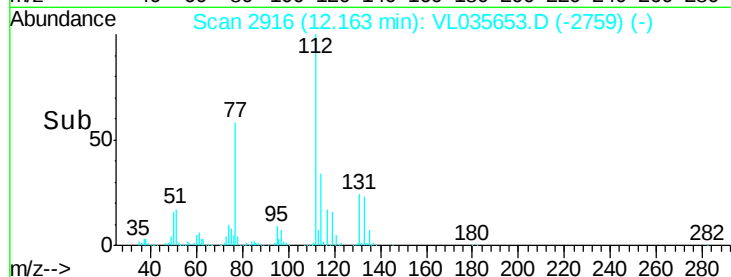
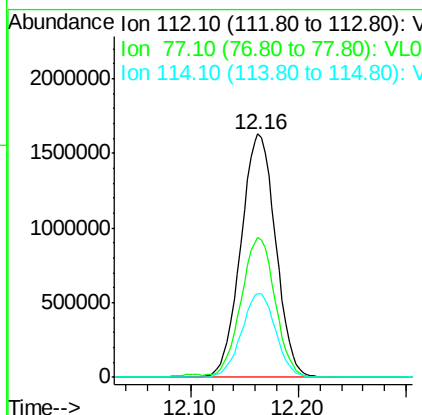
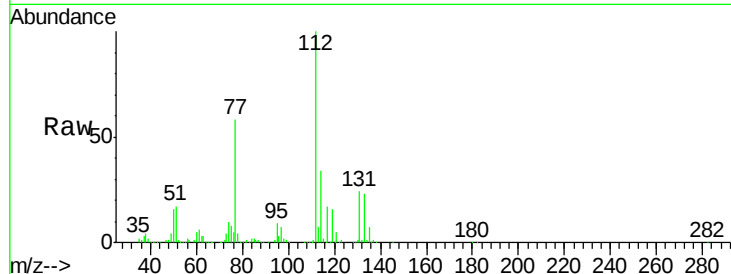
#57
Chlorobenzene
Concen: 9.596 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	57.6	44.2	66.4
114	34.2	31.6	38.6

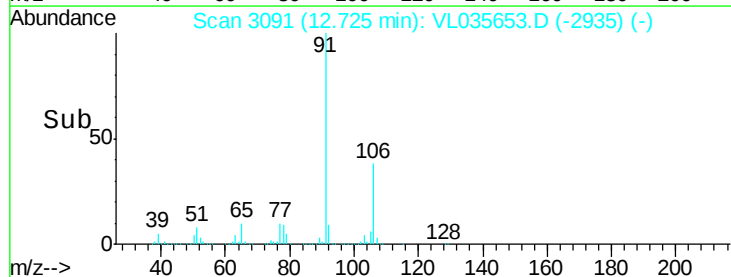
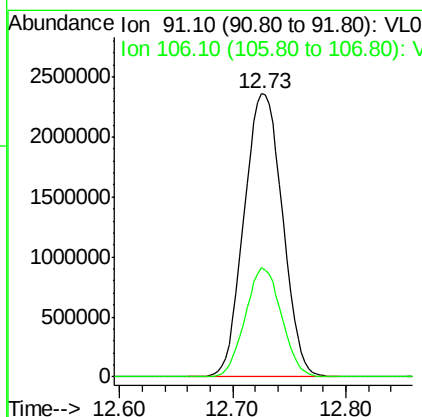
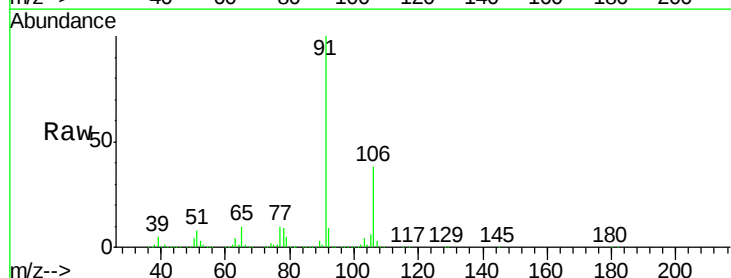
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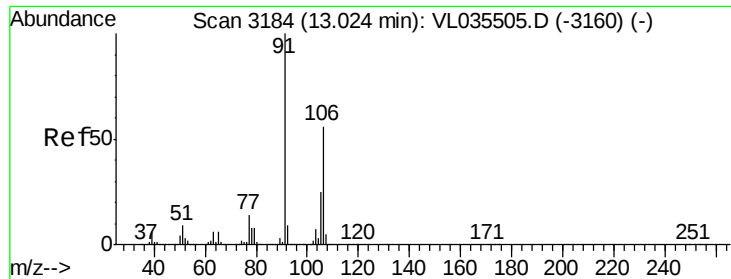
MMDadoda
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#58
Ethyl Benzene
Concen: 10.471 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. 0.00 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	38.4	30.3	45.5





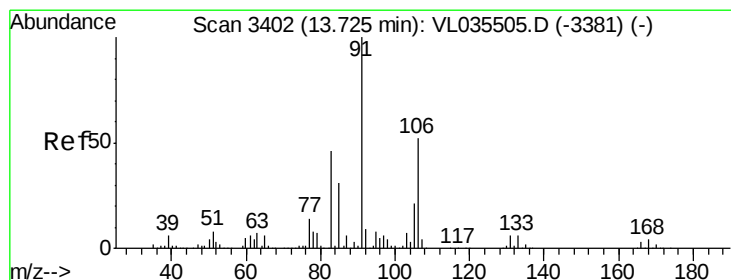
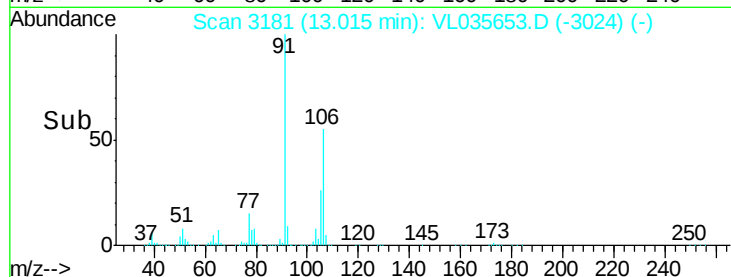
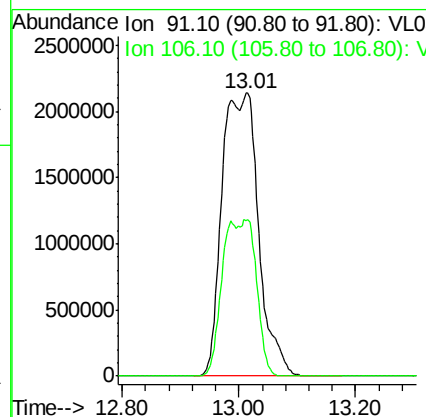
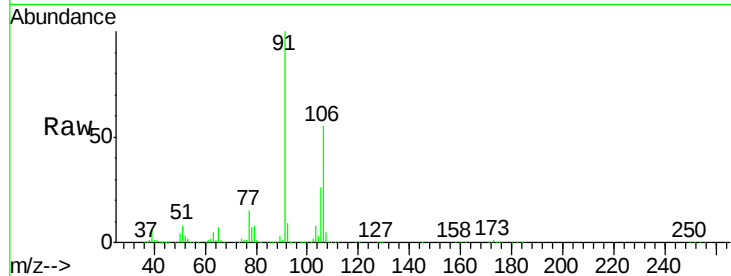
#59
m/p-Xylene
Concen: 20.948 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 9325458
Ion Ratio Lower Upper
91 100
106 51.4 43.4 65.2

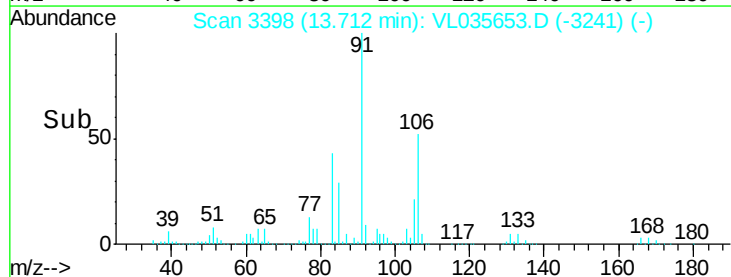
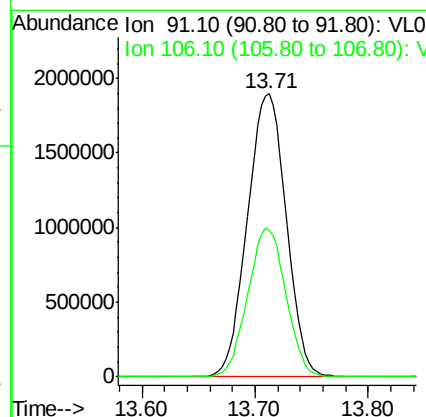
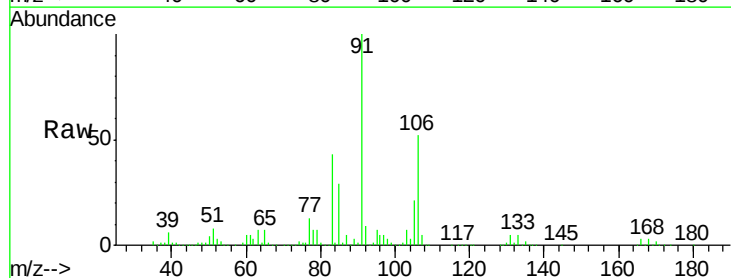
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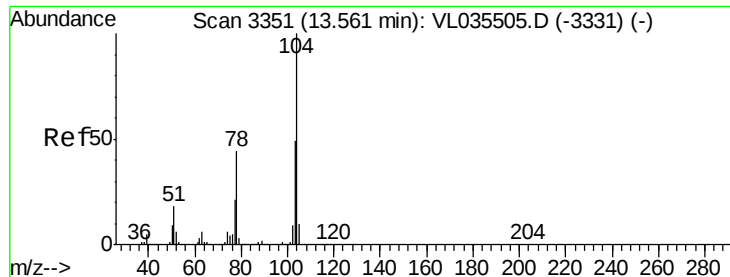
MMDadoda
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#60
o-Xylene
Concen: 10.098 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion: 91 Resp: 4527459
Ion Ratio Lower Upper
91 100
106 51.6 25.8 77.4





#61

Stvrene

Concen: 10.936 ppbv

RT: 13.55 min Scan# 3346

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 3750103

Ion Ratio Lower Upper

104 100

78 44.1 34.8 52.2

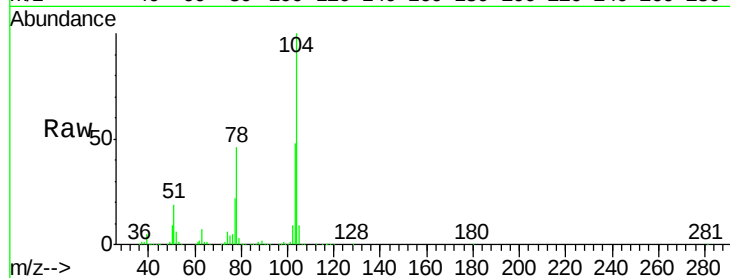
103 47.9 38.2 57.4

Manual Integrations

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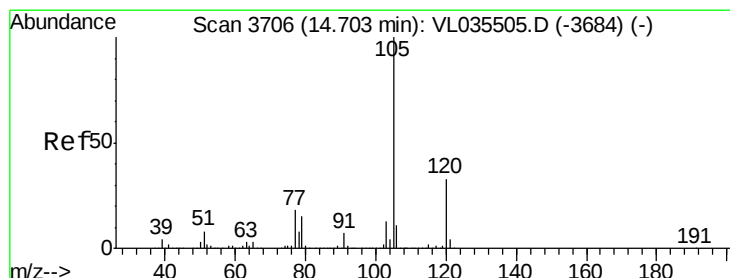
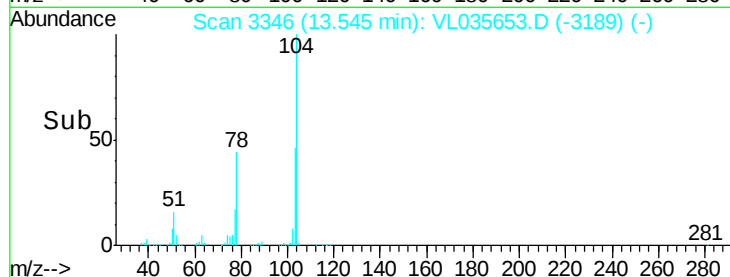
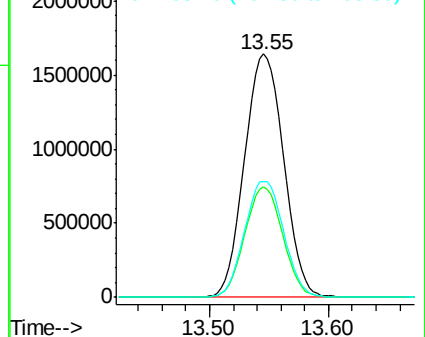
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.598 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.01 min

Lab File: VL035653.D

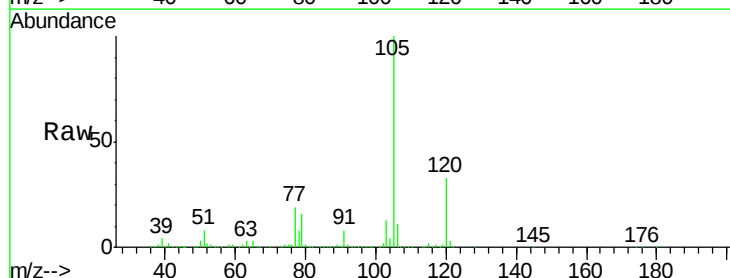
Acq: 17 Sep 2020 9:25

Tgt Ion:105 Resp: 6912682

Ion Ratio Lower Upper

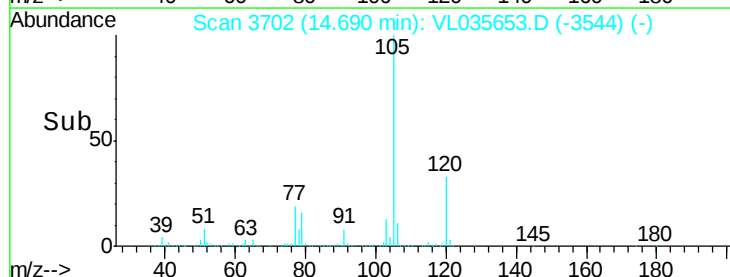
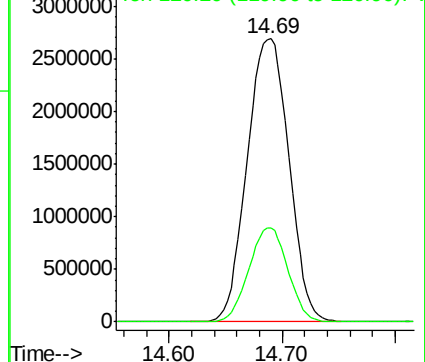
105 100

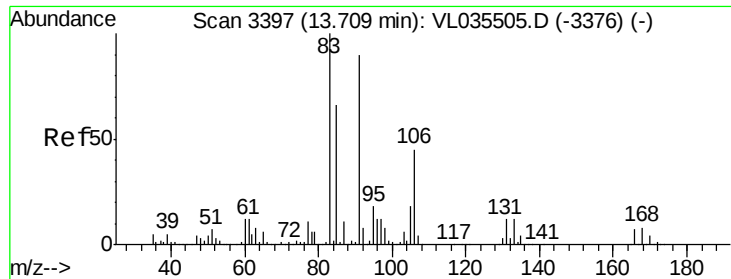
120 31.0 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





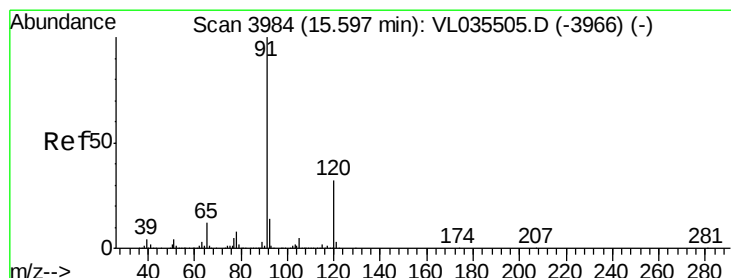
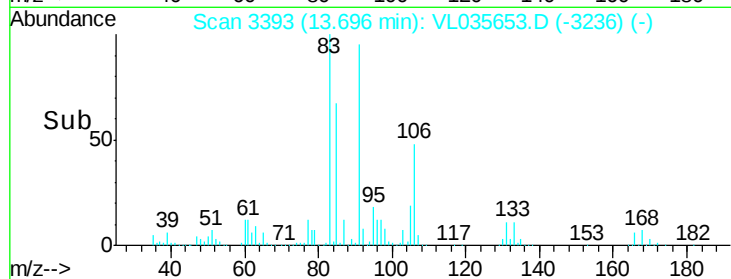
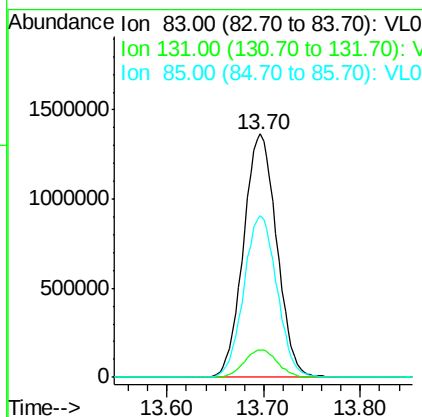
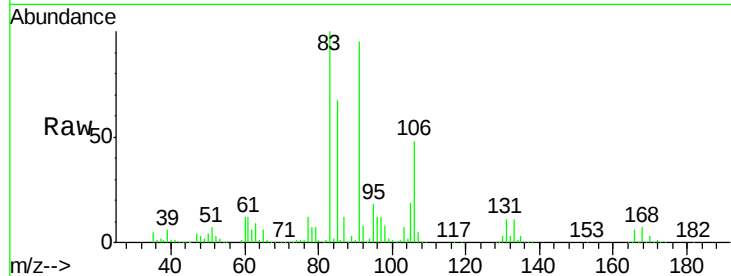
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.380 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 3260551
 Ion Ratio Lower Upper
 83 100
 131 11.2 6.0 18.0
 85 66.3 33.4 100.2

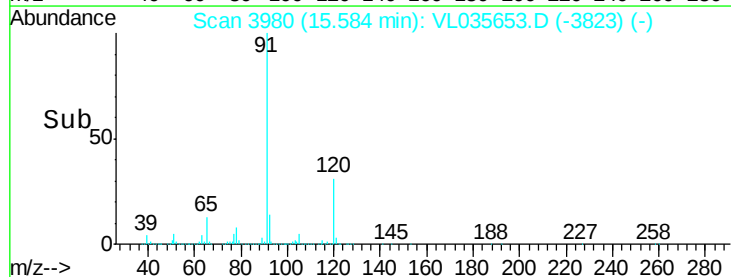
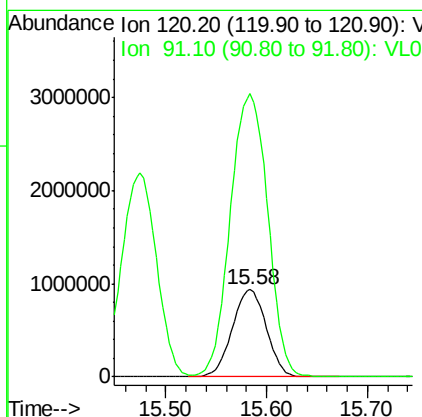
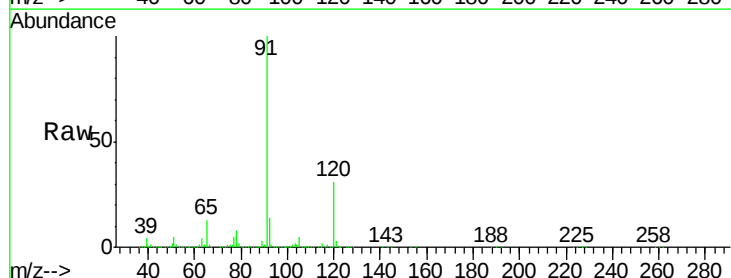
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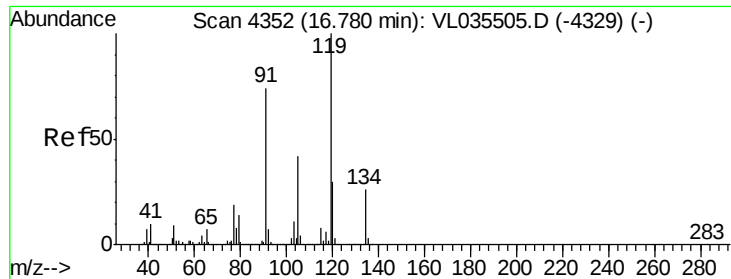
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 9/17/2020 1:53:15 PM



#64
 n-propylbenzene
 Concen: 9.964 ppbv
 RT: 15.58 min Scan# 3980
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Tgt Ion: 120 Resp: 2190061
 Ion Ratio Lower Upper
 120 100
 91 357.2 279.4 419.0





#65

tert-Butylbenzene

Concen: 9.560 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 6400572

Ion Ratio Lower Upper

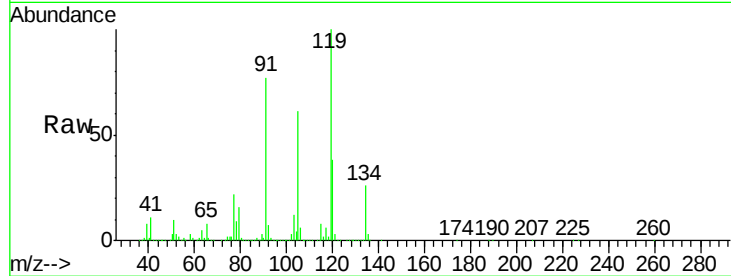
119 100

91 75.1 58.6 87.8

134 23.3 18.9 28.3

Manual Integrations
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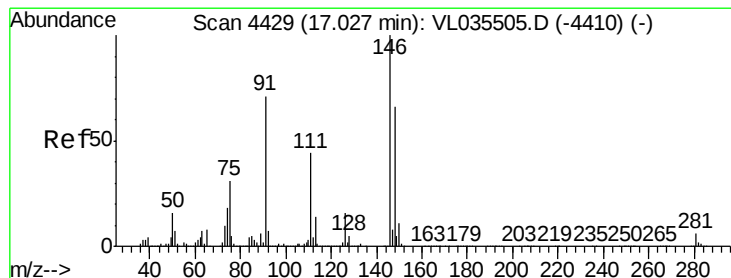
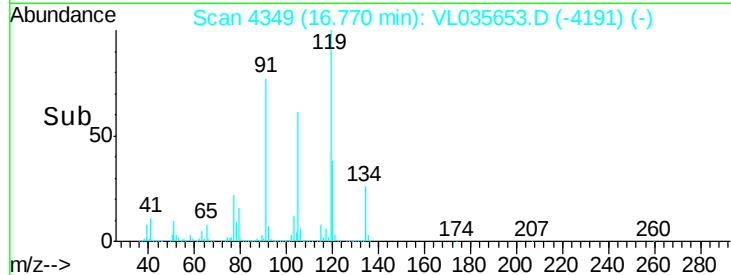
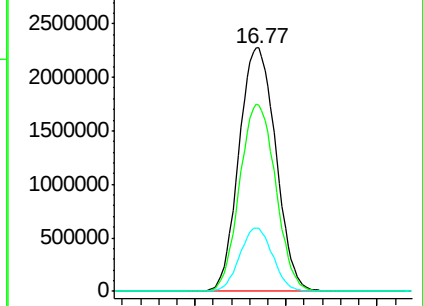
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 13.603 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

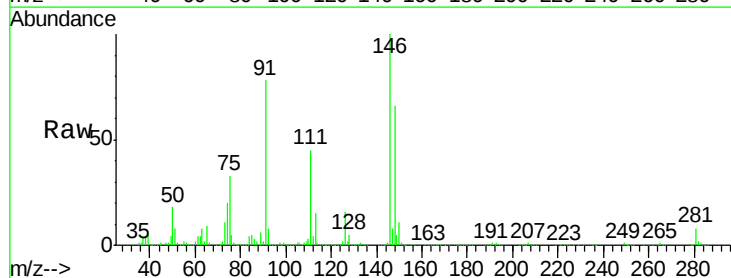
Tgt Ion: 91 Resp: 2263441

Ion Ratio Lower Upper

91 100

126 20.5 17.2 25.8

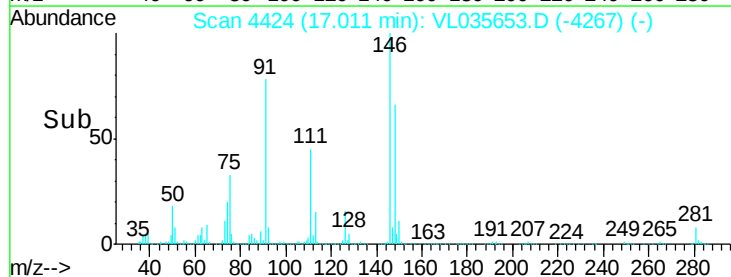
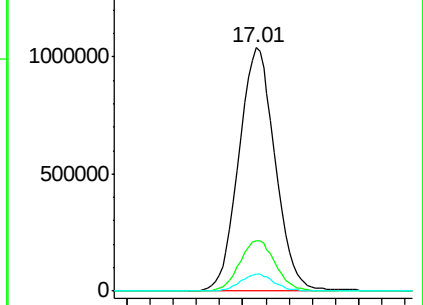
128 6.7 5.5 8.3

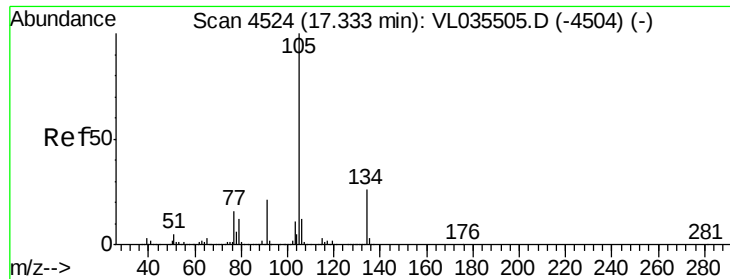


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.408 ppbv

RT: 17.32 min Scan# 4519

Delta R.T. 0.00 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 8391423

Ion Ratio Lower Upper

105 100

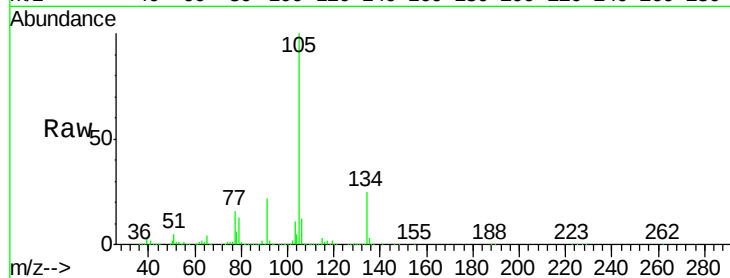
134 23.1 19.1 28.7

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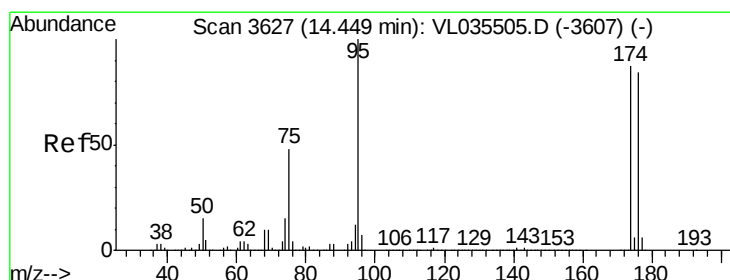
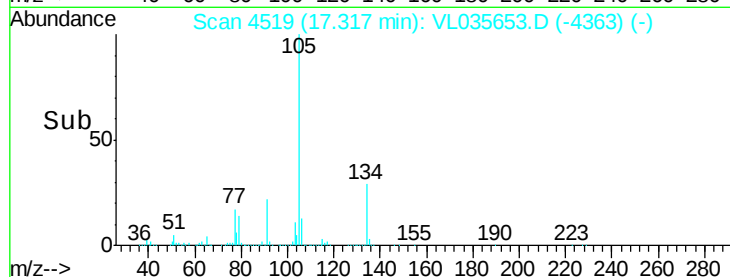
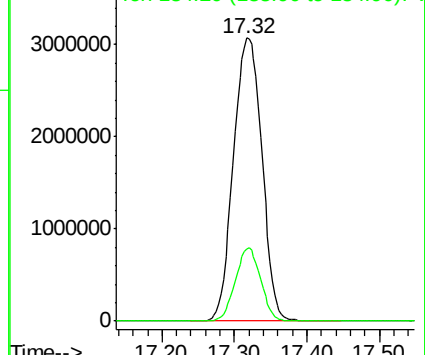
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9/17/2020 1:53:15 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.093 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

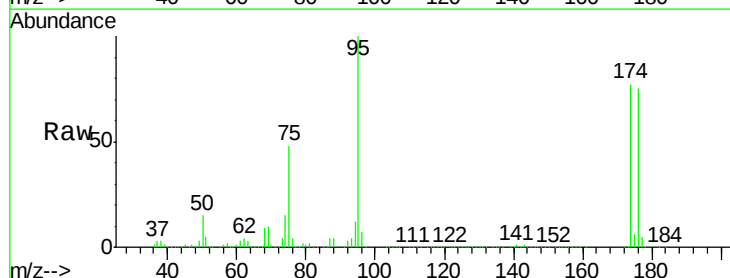
Tgt Ion: 95 Resp: 3703058

Ion Ratio Lower Upper

95 100

174 77.7 69.6 104.4

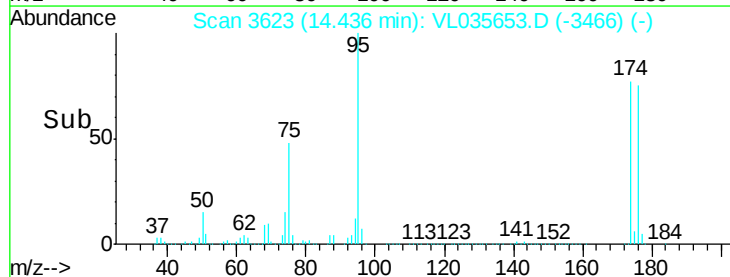
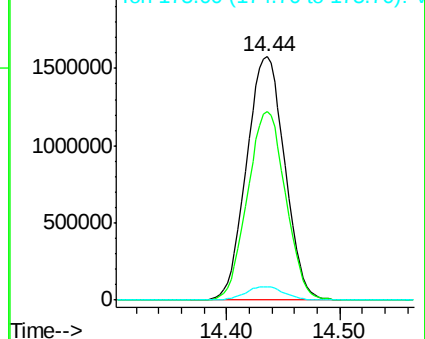
175 5.6 5.1 7.7

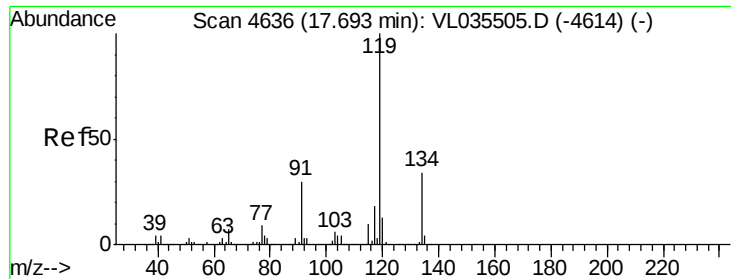


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





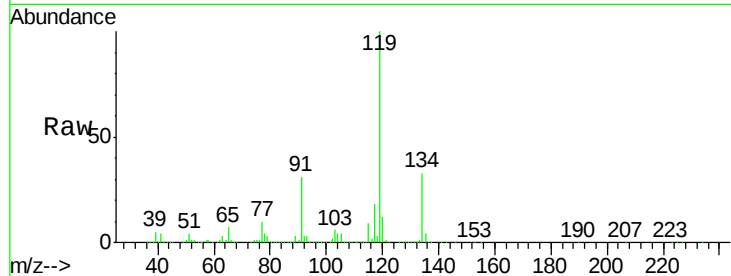
#69
p-Isopropyltoluene
Concen: 9.241 ppbv
RT: 17.67 min Scan# 4630
Delta R.T. 0.00 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

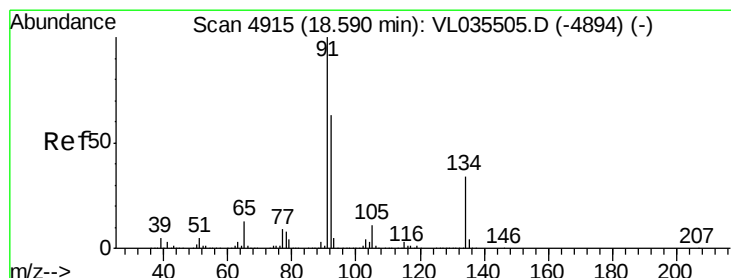
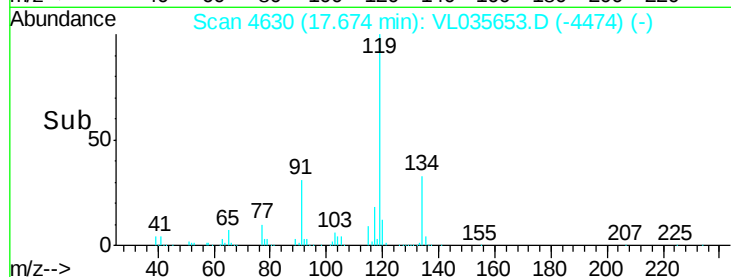
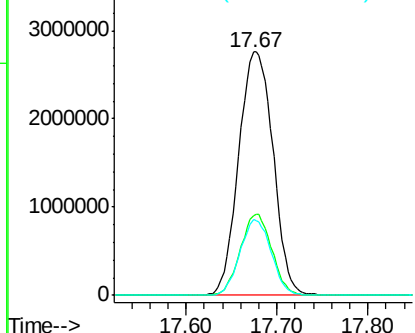
Tot Ion	Ratio	Lower	Upper
119	100		
134	30.5	25.0	37.4
91	28.3	22.3	33.5

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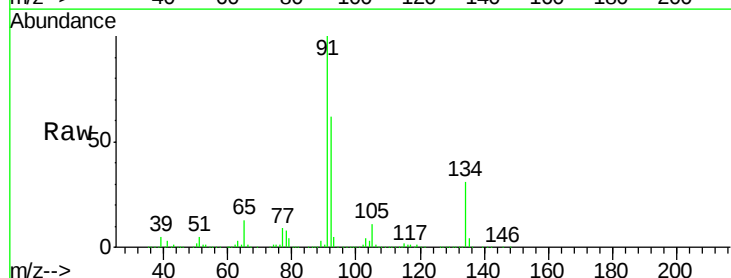


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

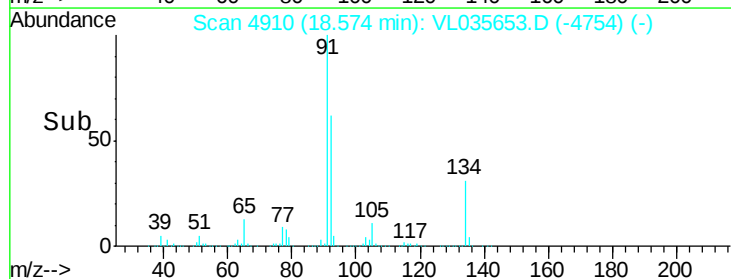
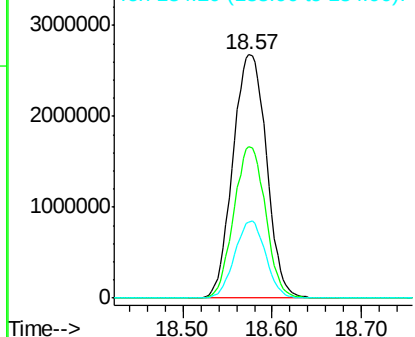


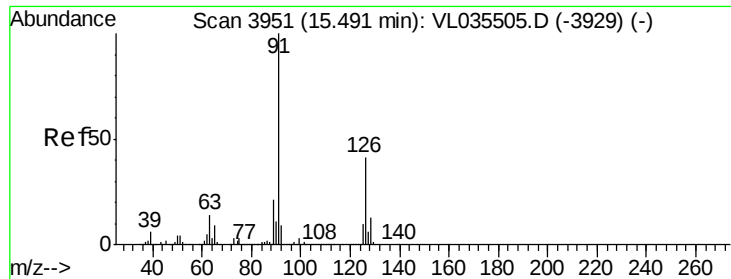
#70
n-Butylbenzene
Concen: 9.289 ppbv
RT: 18.57 min Scan# 4910
Delta R.T. 0.00 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.3	70.9
134	29.3	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





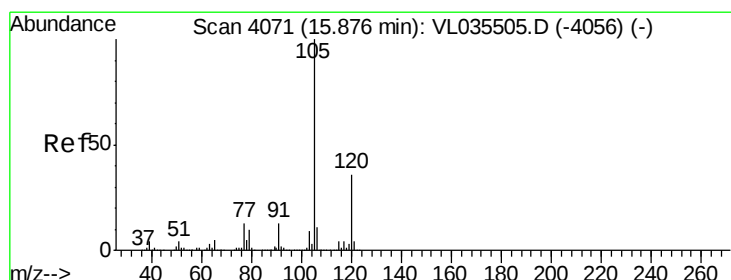
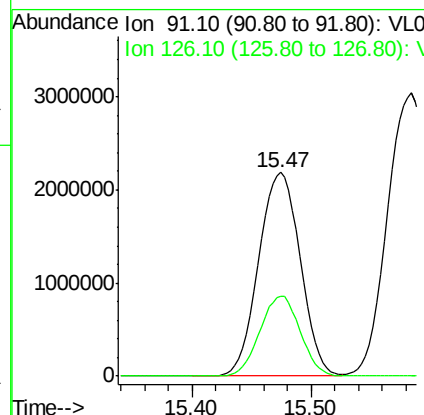
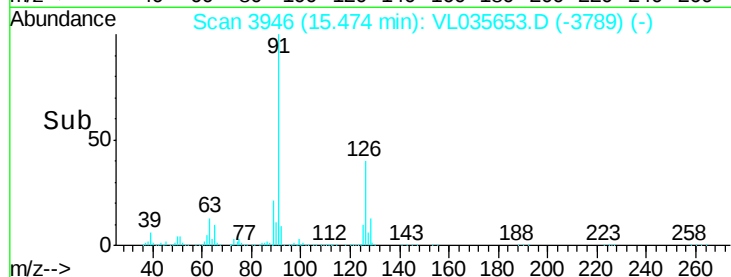
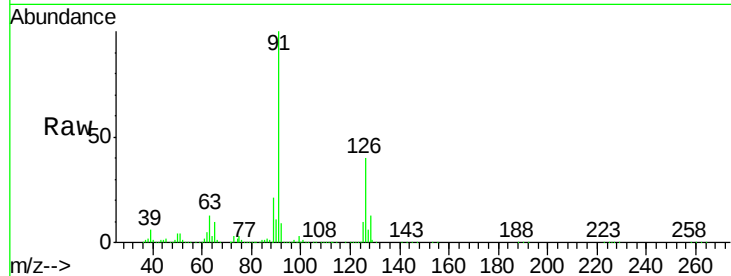
#71
 2-Chlorotoluene
 Concen: 10.096 ppbv
 RT: 15.47 min Scan# 3946
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 5295267
 Ion Ratio Lower Upper
 91 100
 126 38.2 15.6 62.6

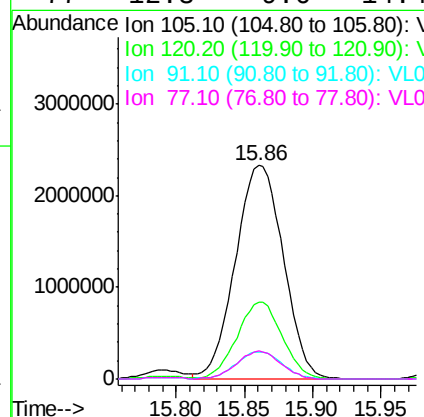
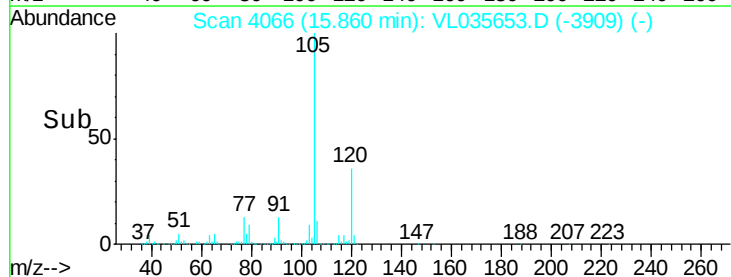
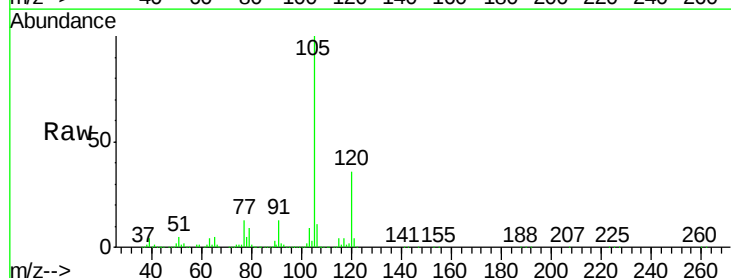
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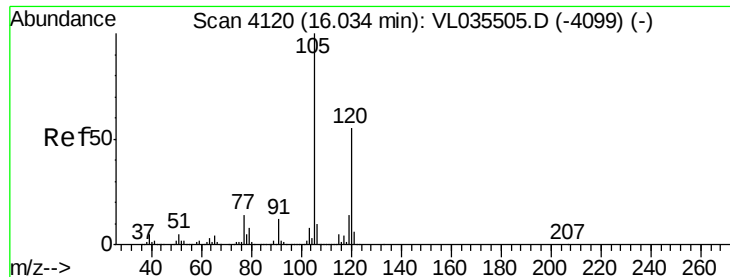
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#72
 4-Ethyltoluene
 Concen: 9.941 ppbv
 RT: 15.86 min Scan# 4066
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Tgt Ion: 105 Resp: 5666163
 Ion Ratio Lower Upper
 105 100
 120 34.0 27.4 41.2
 91 12.2 9.7 14.5
 77 12.3 9.6 14.4





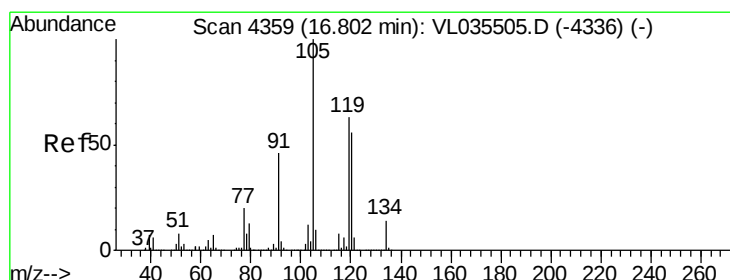
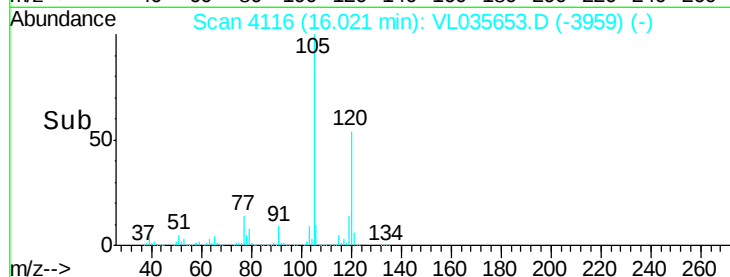
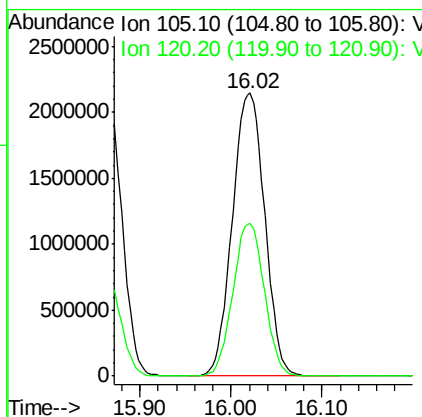
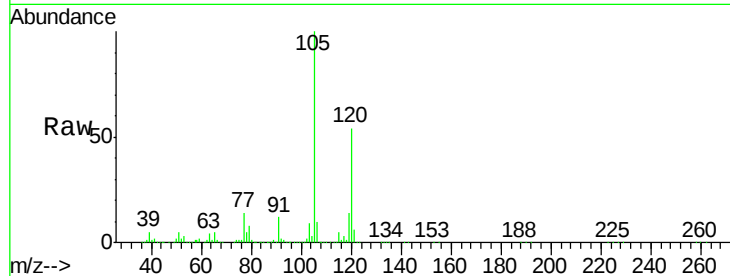
#73
 1,3,5-Trimethylbenzene
 Concen: 10.009 ppbv
 RT: 16.02 min Scan# 4116
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 5276639
 Ion Ratio Lower Upper
 105 100
 120 53.7 44.2 66.2

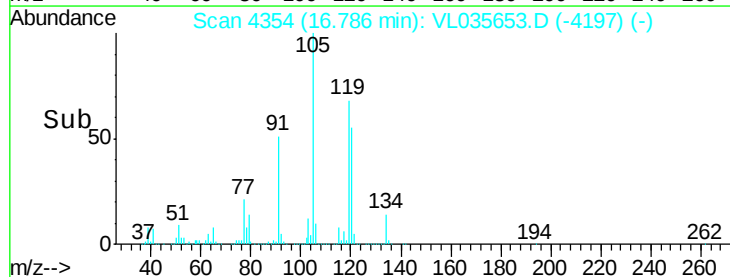
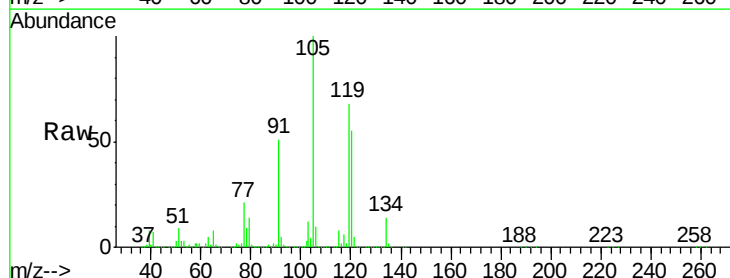
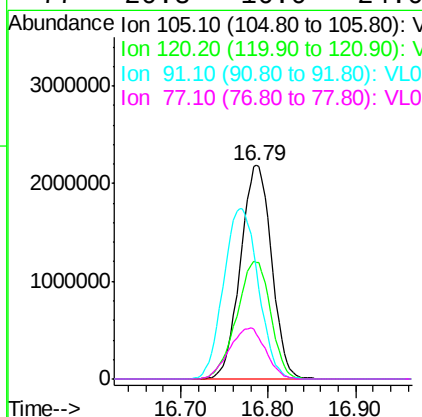
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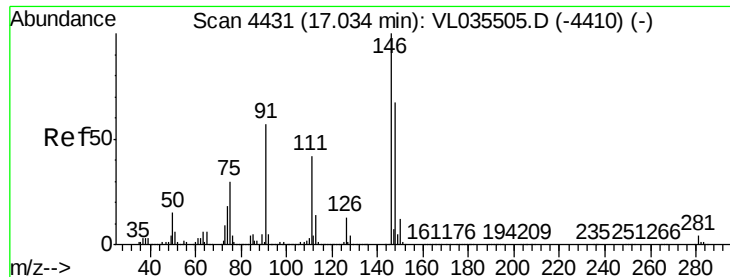
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.305 ppbv
 RT: 16.79 min Scan# 4354
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Tgt Ion:105 Resp: 5387274
 Ion Ratio Lower Upper
 105 100
 120 54.7 44.4 66.6
 91 51.4 37.1 55.7
 77 20.8 16.0 24.0





#75

1,3-Dichlorobenzene

Concen: 8.673 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 3719324

Ion Ratio Lower Upper

146 100

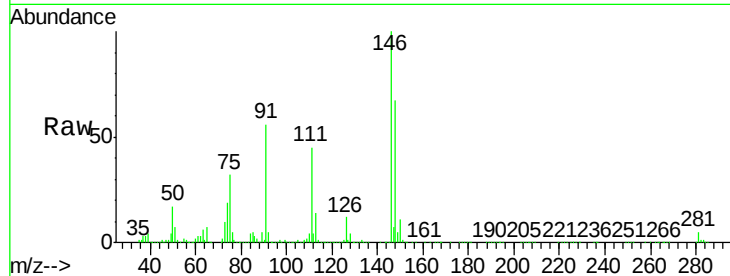
111 43.1 20.7 62.1

148 65.9 33.0 98.9

Manual Integrations
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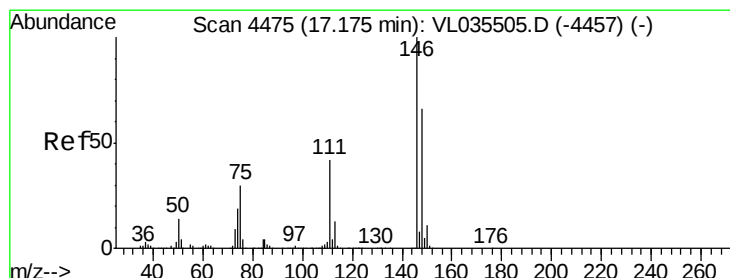
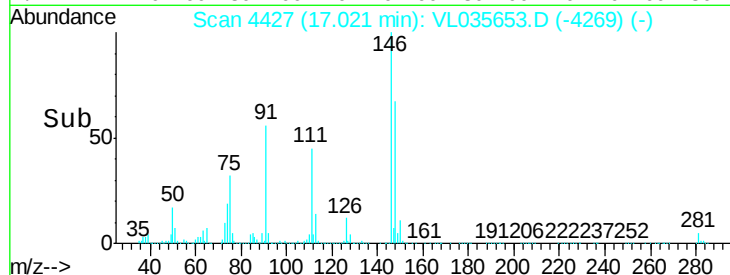
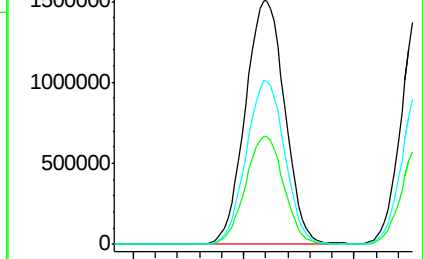
9/17/2020 1:53:15 PM



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



#76

1,4-Dichlorobenzene

Concen: 8.861 ppbv

RT: 17.16 min Scan# 4471

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

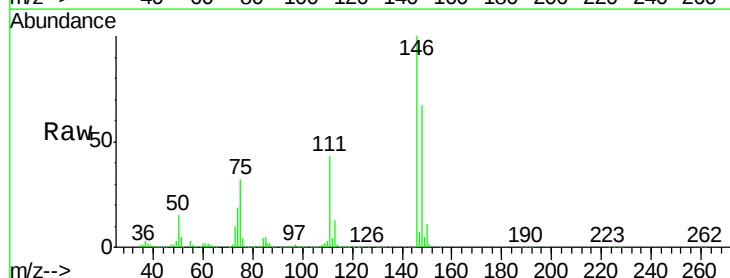
Tgt Ion:146 Resp: 3747871

Ion Ratio Lower Upper

146 100

111 41.6 20.0 60.0

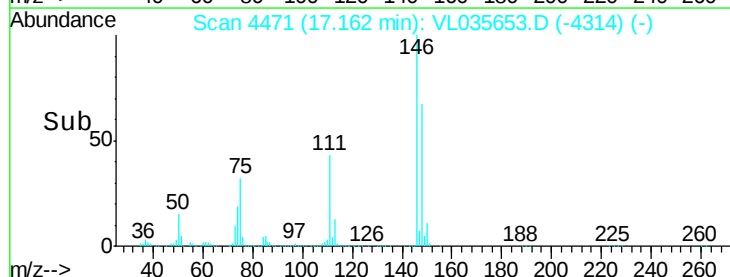
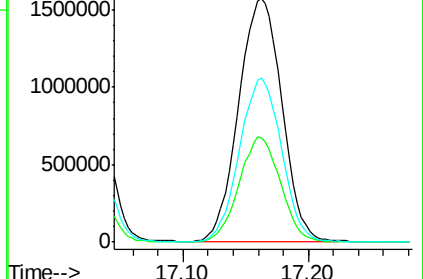
148 66.3 33.2 99.6

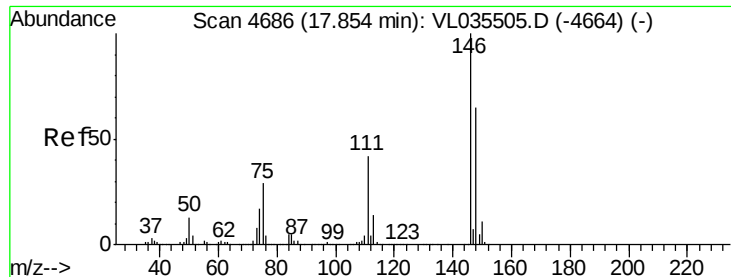


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.871 ppbv

RT: 17.84 min Scan# 4682

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 3685636

Ion Ratio Lower Upper

146 100

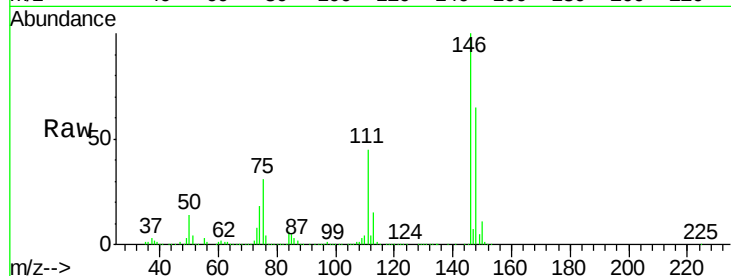
111 44.2 21.1 63.3

148 65.5 32.9 98.7

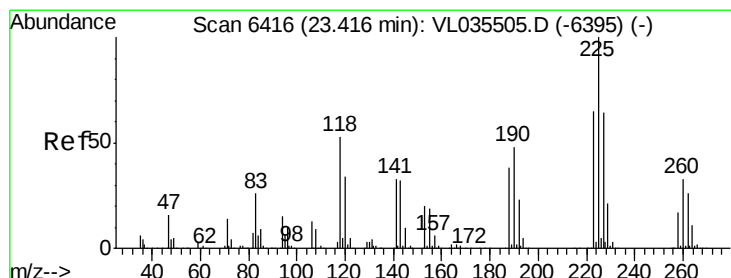
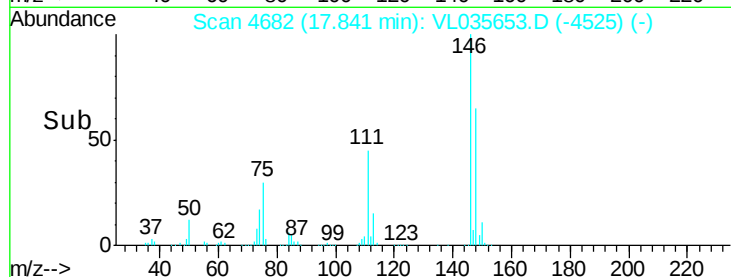
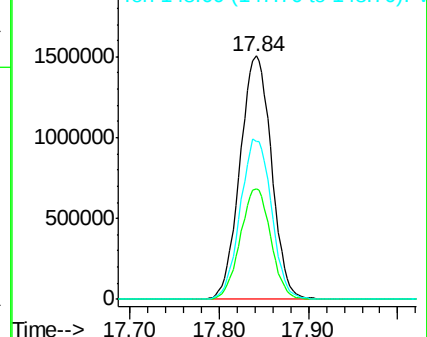
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.294 ppbv

RT: 23.40 min Scan# 6412

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

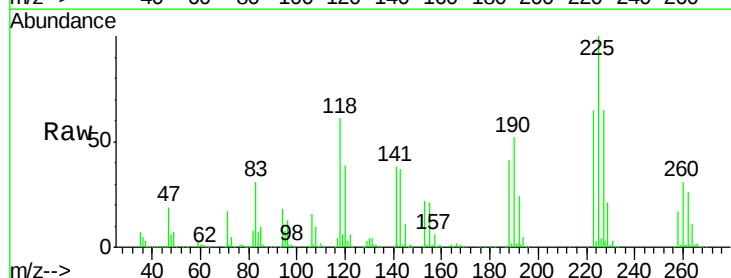
Tgt Ion:225 Resp: 1934850

Ion Ratio Lower Upper

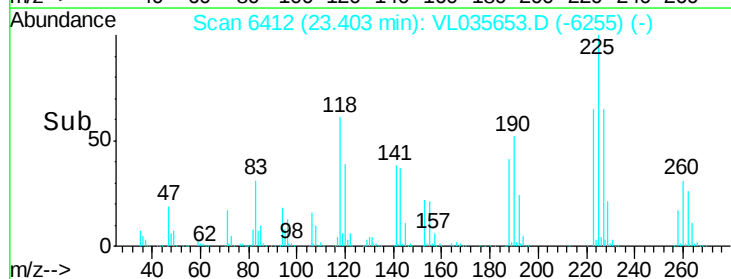
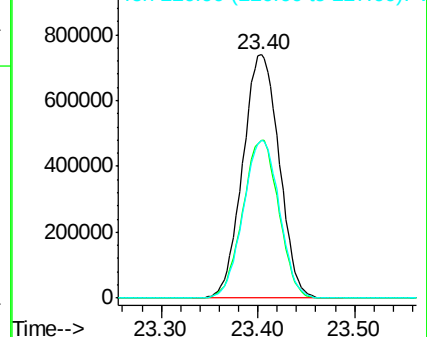
225 100

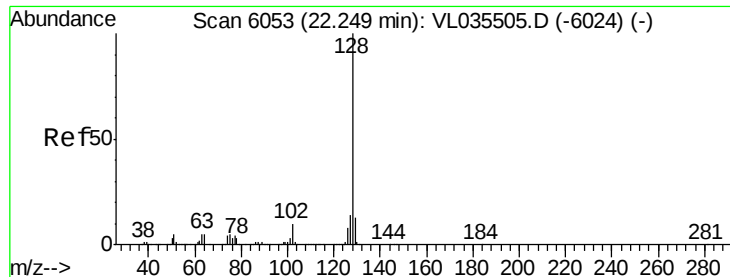
223 64.2 51.7 77.5

227 64.3 51.5 77.3



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





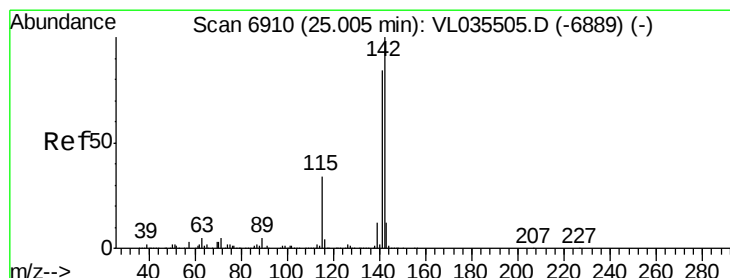
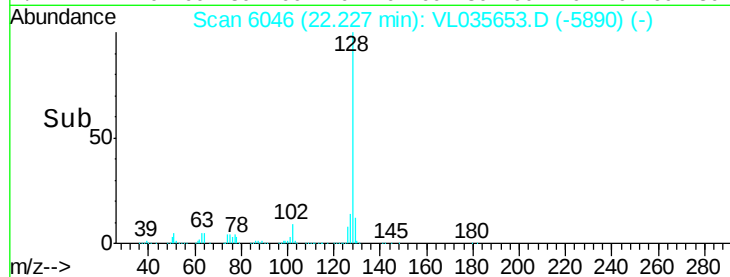
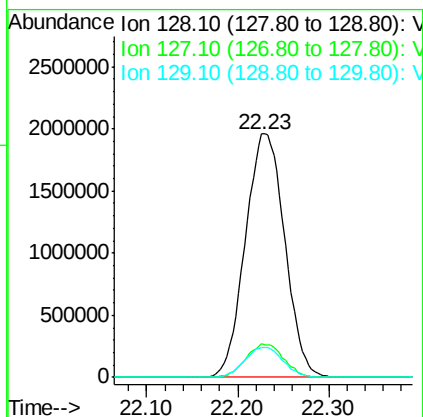
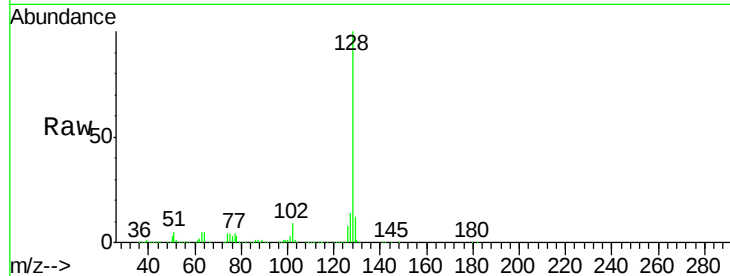
#79
Naphthalene
Concen: 9.179 ppbv
RT: 22.23 min Scan# 6046
Delta R.T. 0.00 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.4	17.2
129	12.3	10.5	15.7

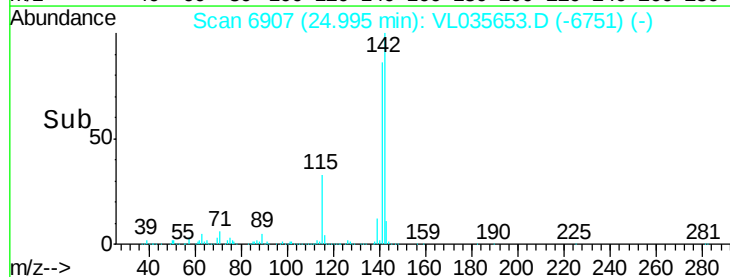
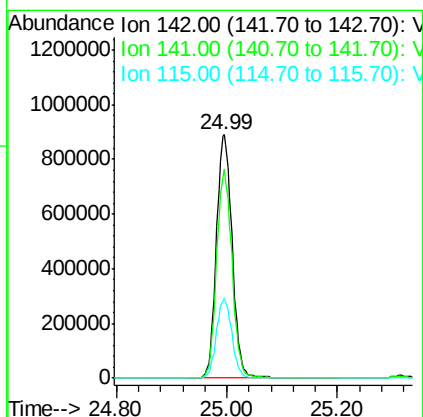
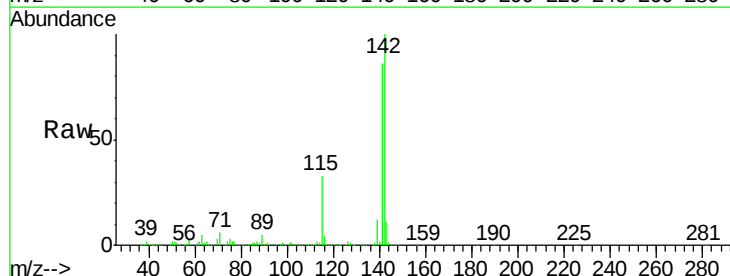
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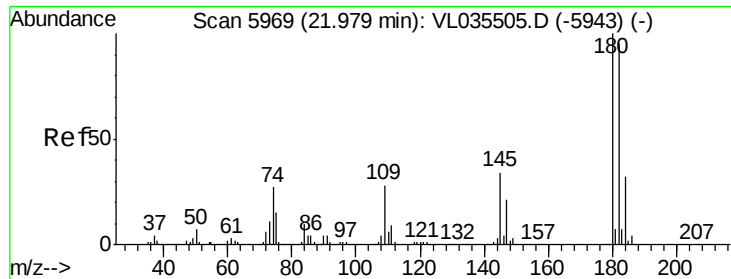
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#80
Naphthalene, 2-methyl-
Concen: 8.009 ppbv
RT: 24.99 min Scan# 6907
Delta R.T. 0.00 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.6	67.6	101.4
115	32.2	25.8	38.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.055 ppbv
 RT: 21.96 min Scan# 5963
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.3	114.5
184	31.1	25.3	37.9

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