

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091720\
 Data File : VL035655.D
 Acq On : 17 Sep 2020 12:16
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:11:13 PM

Quant Time: Sep 18 04:07:42 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)
1) Bromochloromethane	5.67	49	1131388	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4651597	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4970745m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3376664	9.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1771186	9.034	ppbv	99
3) Chlorodifluoromethane	2.98	51	1186900	9.485	ppbv	99
4) Chloromethane	3.13	50	632786	9.439	ppbv	99
5) Vinyl Chloride	3.25	62	766935	9.279	ppbv	99
6) Bromomethane	3.47	94	666955	9.607	ppbv	99
7) Chloroethane	3.55	64	288736	9.881	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2218294	9.342	ppbv	94
9) Propene	3.00	41	454502	9.422	ppbv	100
10) Heptane	8.13	43	1298516	10.022	ppbv	100
11) Trichlorofluoromethane	3.95	101	2605091	9.111	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1983429	9.191	ppbv	94
13) Ethanol	3.60	45	106264	8.885	ppbv	98
14) Bromoethene	3.74	108	894770	9.632	ppbv	100
15) Acetone	3.85	43	1018400	8.161	ppbv	99
16) 1,3-Butadiene	3.32	39	472494	10.172	ppbv	99
17) tert-Butyl alcohol	4.29	59	1489773	9.808	ppbv	100
18) 1,1-Dichloroethene	4.28	96	930787	9.794	ppbv	97
19) Isopropyl Alcohol	3.97	45	732247	9.837	ppbv	99
20) Methylene Chloride	4.34	84	758207	8.158	ppbv	97
21) Allyl Chloride	4.41	41	638069	10.915	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	974161	9.629	ppbv	96
23) Vinyl Acetate	5.08	43	1592339	9.942	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1608456	9.759	ppbv	100
25) Ethyl Acetate	5.68	43	2122408	9.628	ppbv	100
26) Hexane	5.69	57	1209939	9.687	ppbv	99
27) Carbon Disulfide	4.55	76	2005785	11.191	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2173357	9.984	ppbv	99
29) Chloroform	5.76	83	2453161	9.640	ppbv	100
30) Cyclohexane	7.13	84	1364269	10.196	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1304578	10.180	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2403648	9.736	ppbv	98
34) 2-Butanone	5.25	43	1462644	10.595	ppbv	99
35) Carbon Tetrachloride	7.02	117	2475306	10.588	ppbv	99
36) Benzene	6.90	78	3126607	10.384	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1513084	10.540	ppbv	99
38) Trichloroethene	7.84	130	1588383	9.081	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1053152	10.354	ppbv	99
40) 1,4-Dioxane	7.84	88	564259	11.105	ppbv	94
41) Tetrahydrofuran	6.05	42	831777	11.363	ppbv	100
42) Bromodichloromethane	7.80	83	2560568	11.030	ppbv	99
43) Methyl Methacrylate	8.02	69	1301310	11.177	ppbv	98

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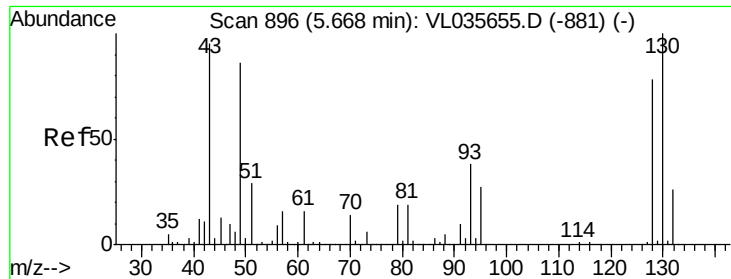
Manual Integrations
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 9/22/2020 2:11:13 PM

Quant Time: Sep 18 04:07:42 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)
44) 2,2,4-Trimethylpentane	7.88	57	4094513	10.335	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1464101	12.413	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1750607	11.954	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1528812	10.186	ppbv	99
48) Dibromochloromethane	10.32	129	2577338	10.911	ppbv	100
49) Bromoform	13.06	173	2330335	10.885	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2143021	10.721	ppbv	100
51) 2-Hexanone	10.14	43	1794464	10.944	ppbv #	99
52) Tetrachloroethene	11.24	164	1534126	8.721	ppbv	98
53) Toluene	9.82	91	3936487	10.396	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2415557	10.185	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	2003466	9.905	ppbv	99
57) Chlorobenzene	12.16	112	3320179	9.076	ppbv	97
58) Ethyl Benzene	12.73	91	5098300	9.946	ppbv	98
59) m/p-Xylene	13.01	91	8376946m	19.558	ppbv	
60) o-Xylene	13.71	91	4233354	9.814	ppbv	99
61) Styrene	13.55	104	3402178	10.312	ppbv	99
62) Isopropylbenzene	14.69	105	6455938	9.317	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	3060145	9.150	ppbv	100
64) n-propylbenzene	15.58	120	2002478	9.469	ppbv	92
65) tert-Butylbenzene	16.77	119	5987592	9.295	ppbv	97
66) Benzyl Chloride	17.01	91	2051591	12.815	ppbv	97
67) sec-Butylbenzene	17.32	105	7932462	9.243	ppbv	97
69) p-Isopropyltoluene	17.67	119	6761964	8.982	ppbv	98
70) n-Butylbenzene	18.57	91	6591527	9.090	ppbv	98
71) 2-Chlorotoluene	15.47	91	4907458	9.725	ppbv	96
72) 4-Ethyltoluene	15.86	105	5253137	9.579	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4880033	9.621	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	5065529	9.094	ppbv	98
75) 1,3-Dichlorobenzene	17.02	146	3438010	8.332	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3472230	8.533	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	3403161	8.513	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	1885526	7.388	ppbv	100
79) Naphthalene	22.23	128	5277560	8.538	ppbv	97
80) Naphthalene, 2-methyl-	24.99	142	1532211	7.263	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	2843130	7.681	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1131388

Ion Ratio Lower Upper

49 100

128 91.5 50.0 150.1

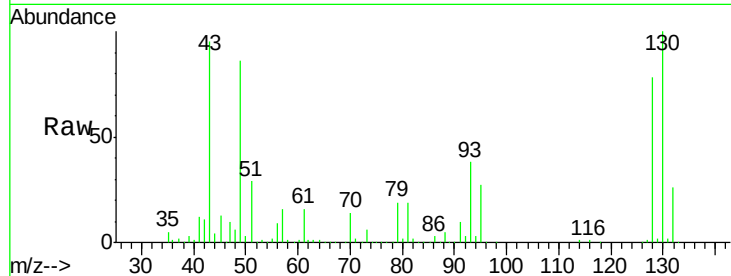
130 116.8 64.4 193.2

Manual Integrations

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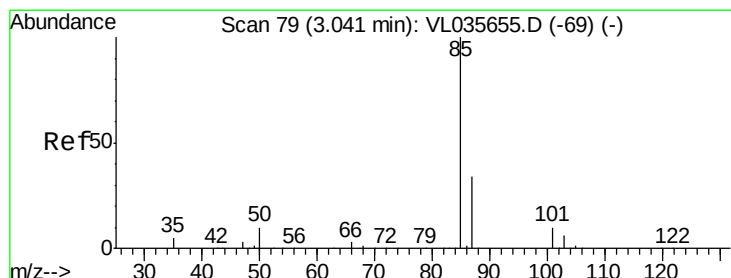
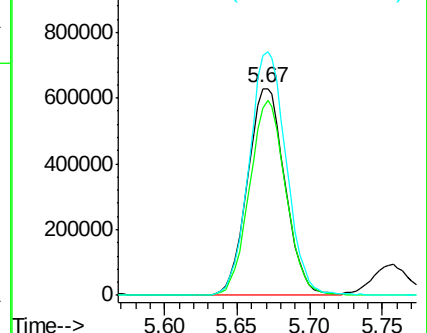
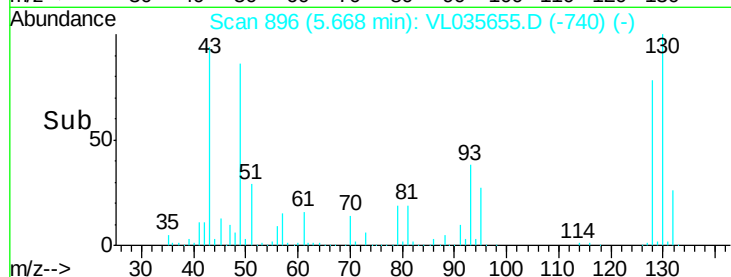
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.034 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.01 min

Lab File: VL035655.D

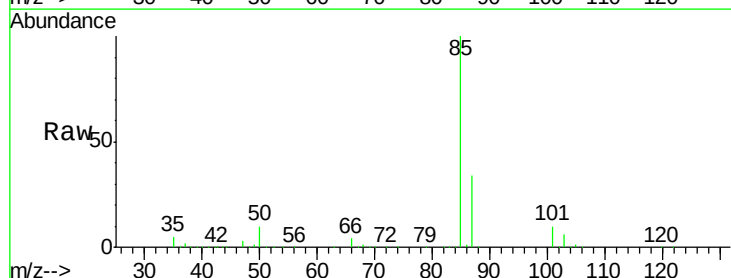
Acq: 17 Sep 2020 12:16

Tgt Ion: 85 Resp: 1771186

Ion Ratio Lower Upper

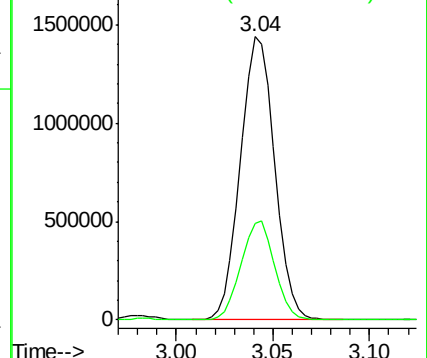
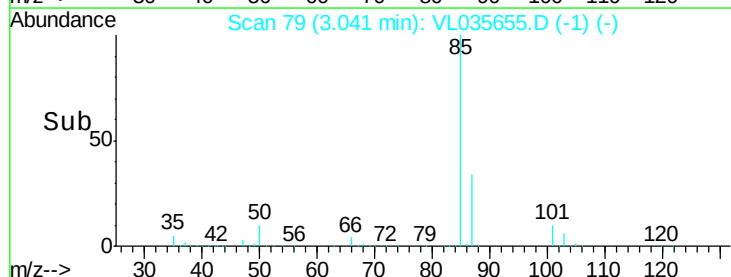
85 100

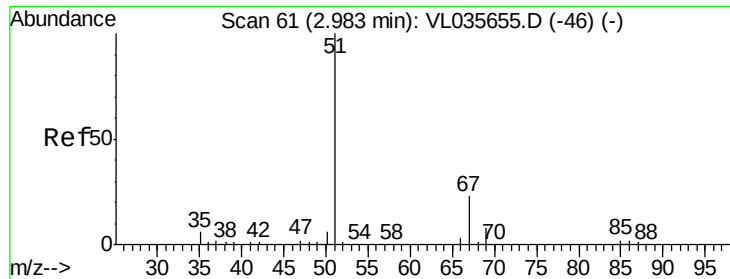
87 34.2 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.485 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

Tot Ion: 51 Resp: 1186900

Ion Ratio Lower Upper

51 100

67 22.7 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

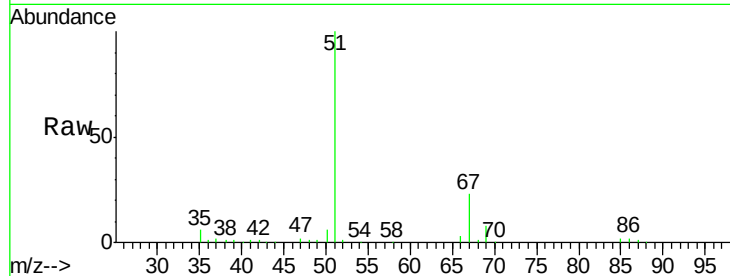
VSTDCCC010

Manual Integrations

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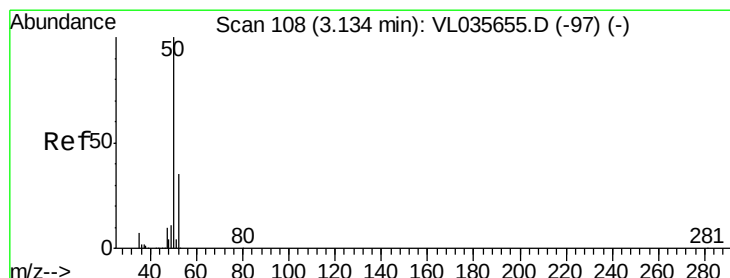
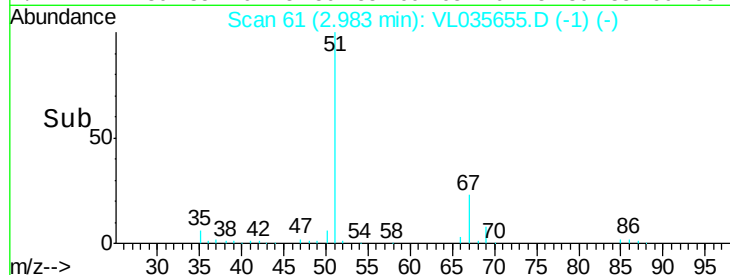
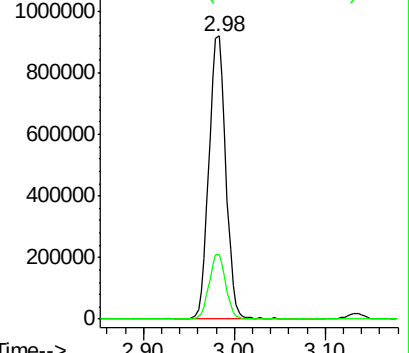
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.439 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL035655.D

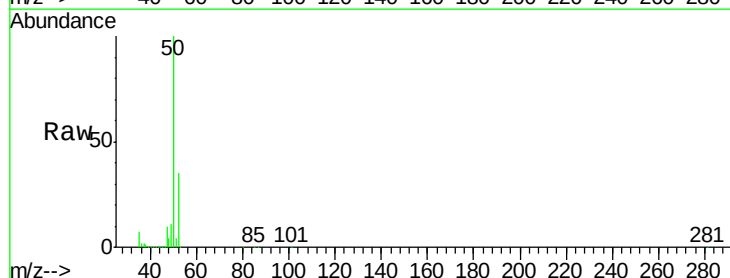
Acq: 17 Sep 2020 12:16

Tgt Ion: 50 Resp: 632786

Ion Ratio Lower Upper

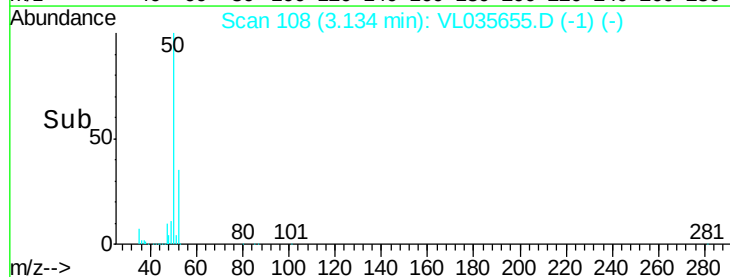
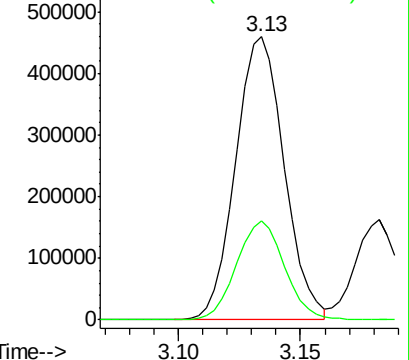
50 100

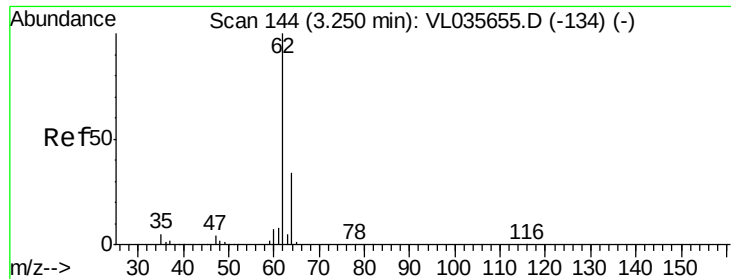
52 35.1 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.279 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 766935

Ion Ratio Lower Upper

62 100

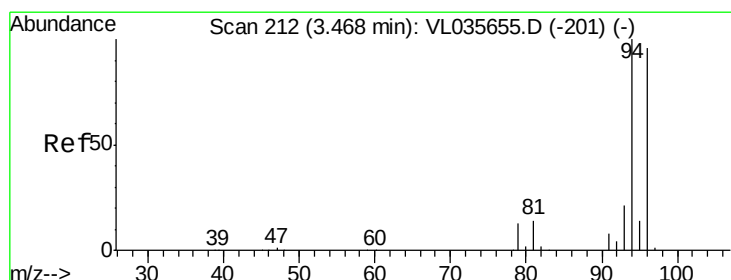
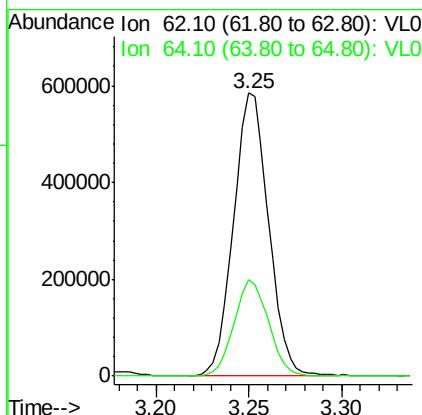
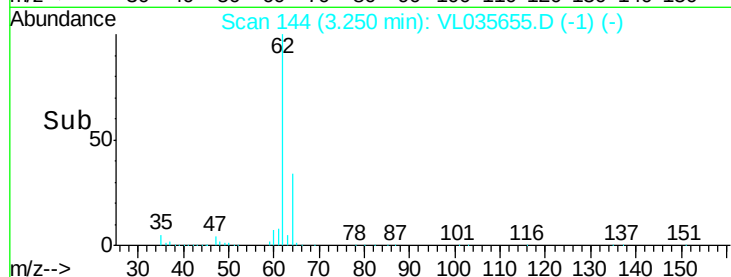
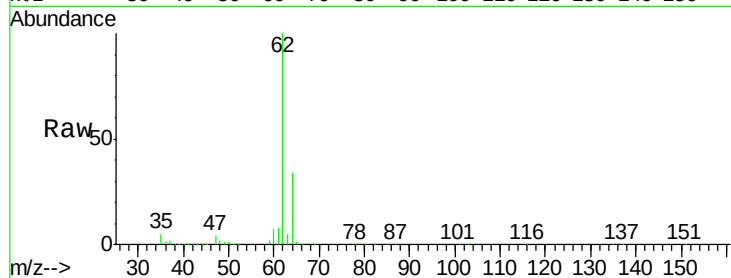
64 34.0 27.4 41.2

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#6

Bromomethane

Concen: 9.607 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.01 min

Lab File: VL035655.D

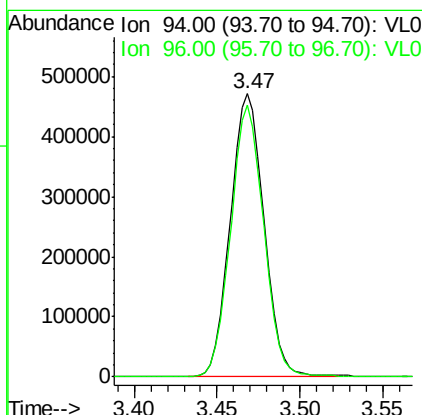
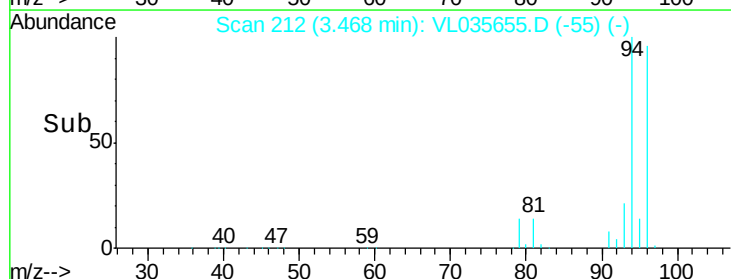
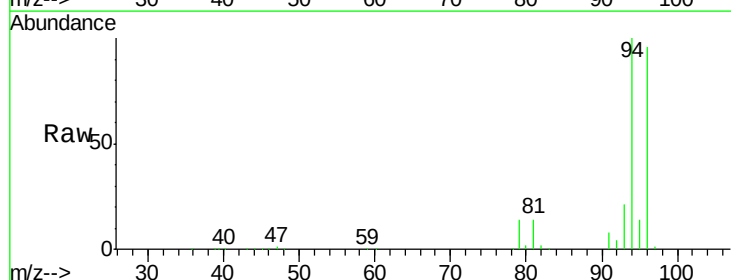
Acq: 17 Sep 2020 12:16

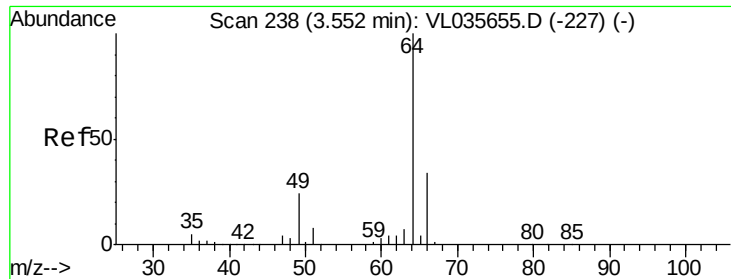
Tgt Ion: 94 Resp: 666955

Ion Ratio Lower Upper

94 100

96 95.8 77.1 115.7





#7

Chloroethane

Concen: 9.881 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 288736

Ion Ratio Lower Upper

64 100

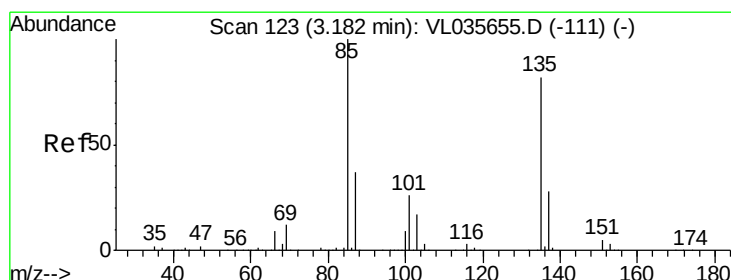
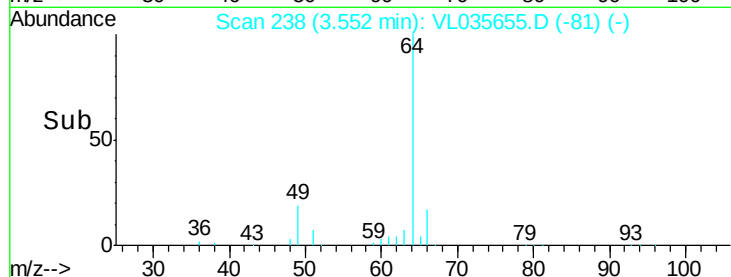
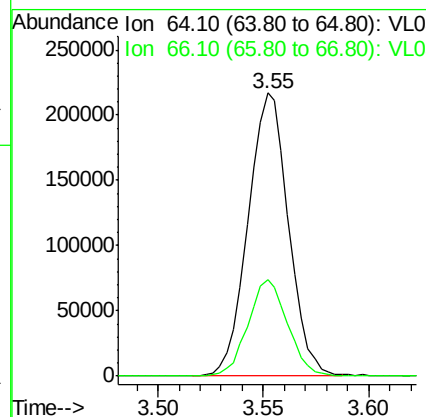
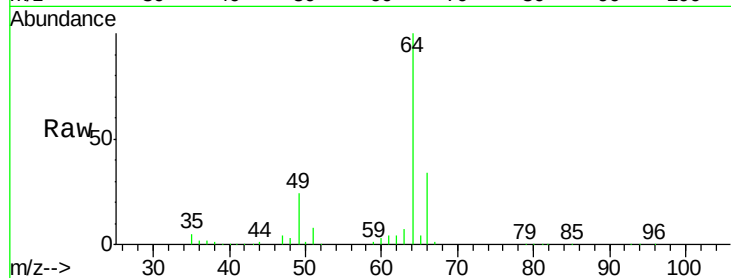
66 34.2 27.7 41.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.342 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL035655.D

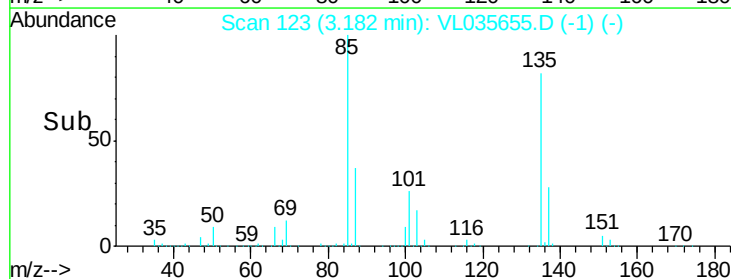
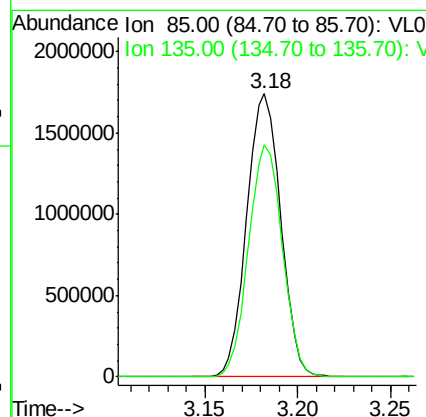
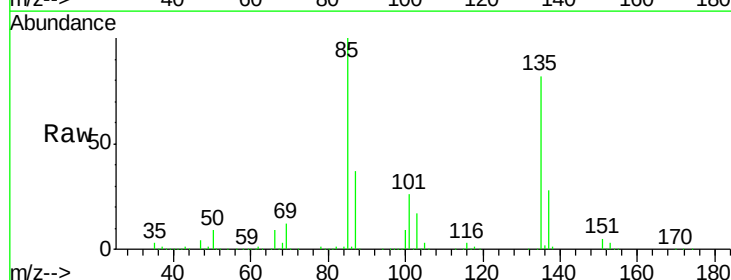
Acq: 17 Sep 2020 12:16

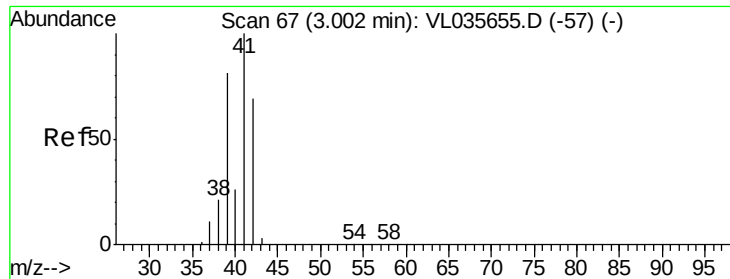
Tgt Ion: 85 Resp: 2218294

Ion Ratio Lower Upper

85 100

135 82.1 70.4 105.6





#9

Propene

Concen: 9.422 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 454502

Ion Ratio Lower Upper

41 100

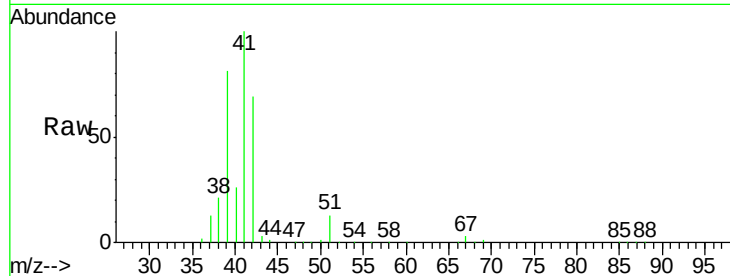
42 70.8 56.3 84.5

Manual Integrations

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.00

400000

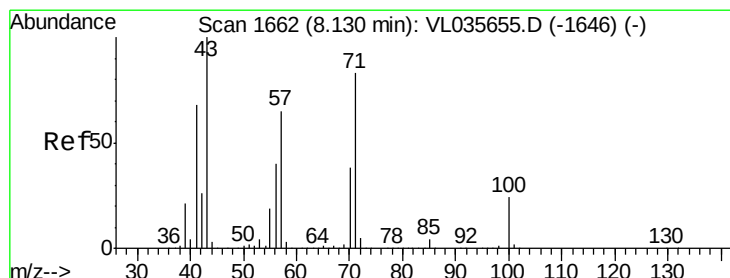
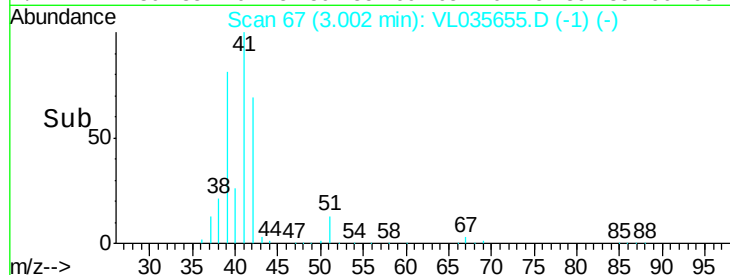
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 10.022 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL035655.D

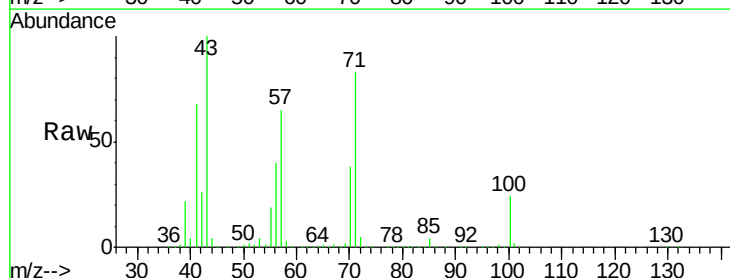
Acq: 17 Sep 2020 12:16

Tgt Ion: 43 Resp: 1298516

Ion Ratio Lower Upper

43 100

57 64.4 51.4 77.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.13

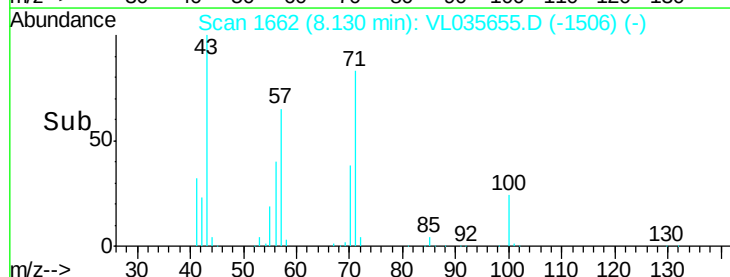
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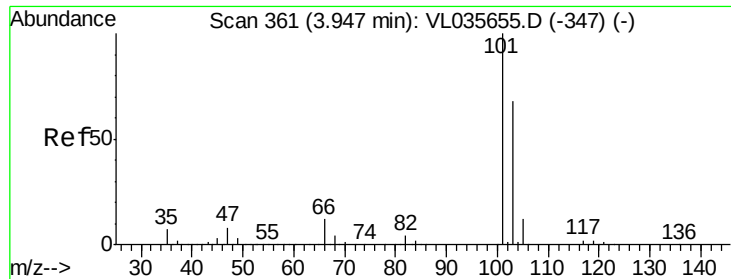
400000

200000

0

Time-->





#11

Trichlorofluoromethane

Concen: 9.111 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:101 Resp: 2605091

Ion Ratio Lower Upper

101 100

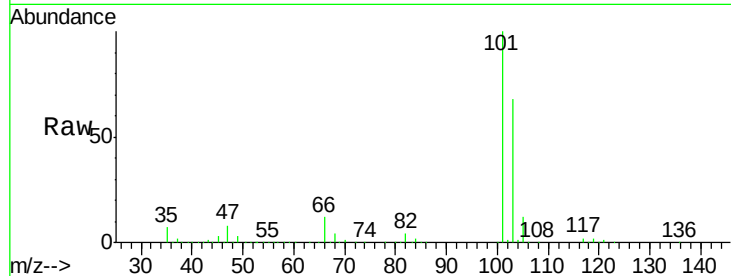
103 67.6 54.5 81.7

Manual Integrations

APPROVED

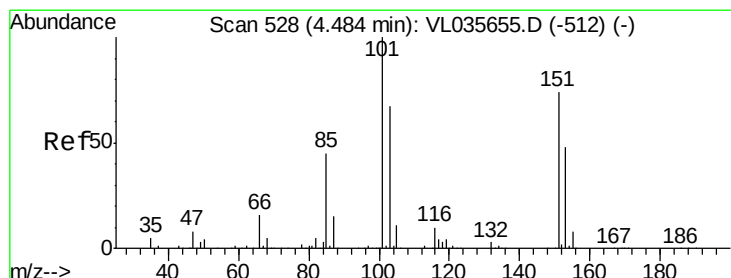
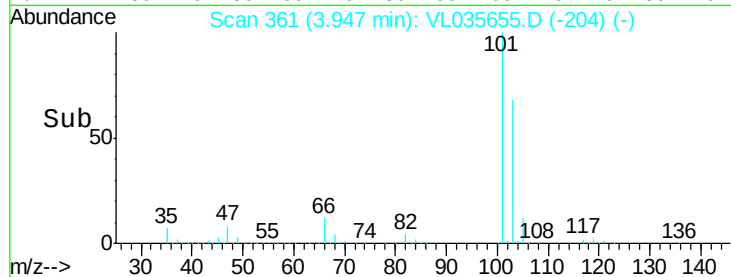
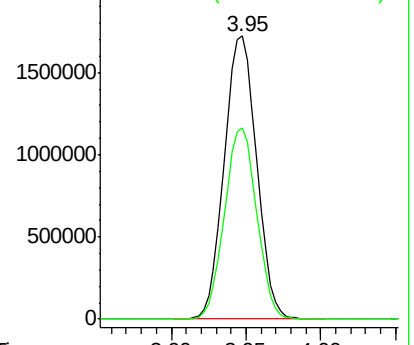
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.191 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.01 min

Lab File: VL035655.D

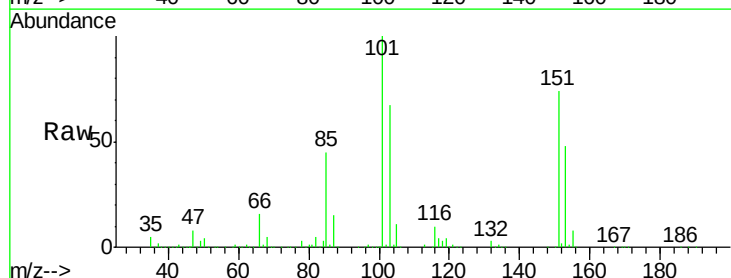
Acq: 17 Sep 2020 12:16

Tgt Ion:101 Resp: 1983429

Ion Ratio Lower Upper

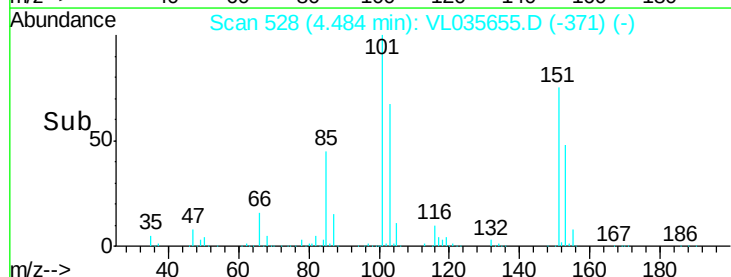
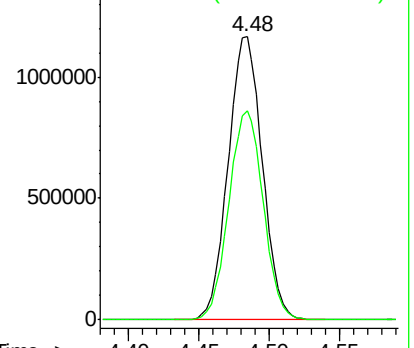
101 100

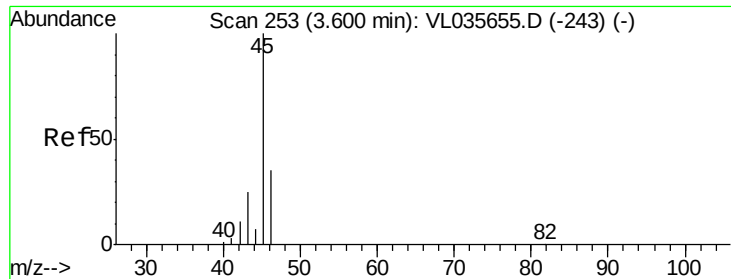
151 74.5 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





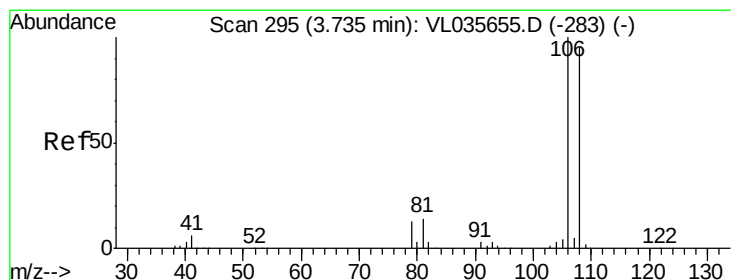
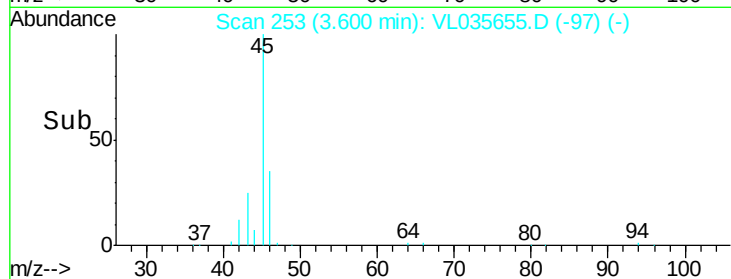
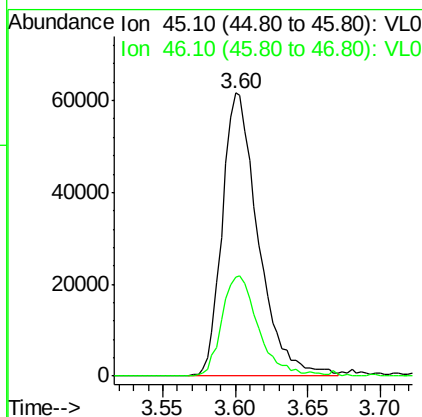
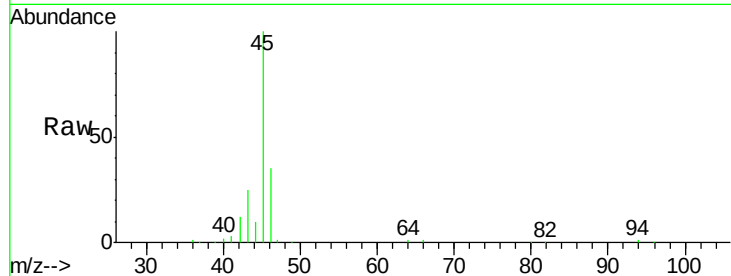
#13
Ethanol
Concen: 8.885 ppbv
RT: 3.60 min Scan# 253
Delta R.T. 0.00 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.4	15.2	60.6

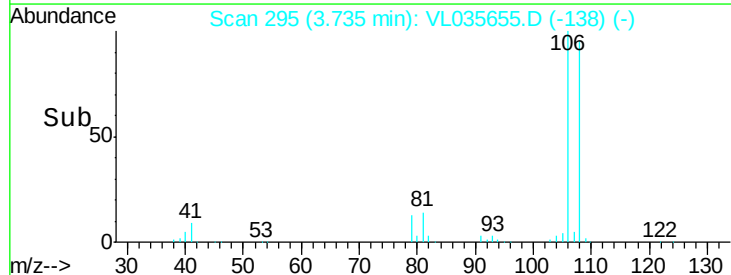
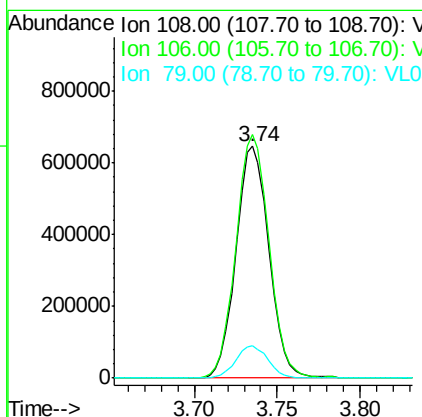
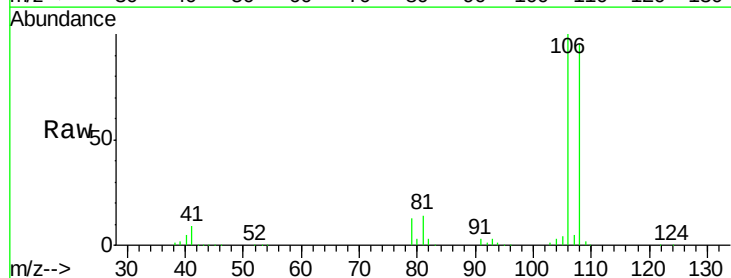
Manual Integrations
APPROVED

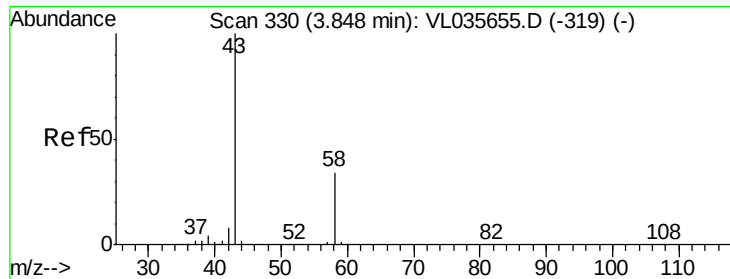
MMDadoda
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#14
Bromoethene
Concen: 9.632 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.01 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
108	100		
106	105.7	84.9	127.3
79	14.0	10.8	16.2





#15

Acetone

Concen: 8.161 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1018400

Ion Ratio Lower Upper

43 100

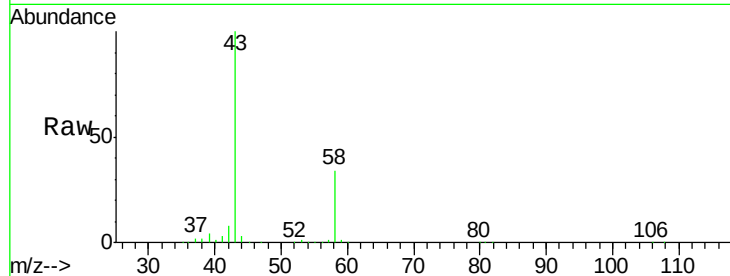
58 35.0 28.4 42.6

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

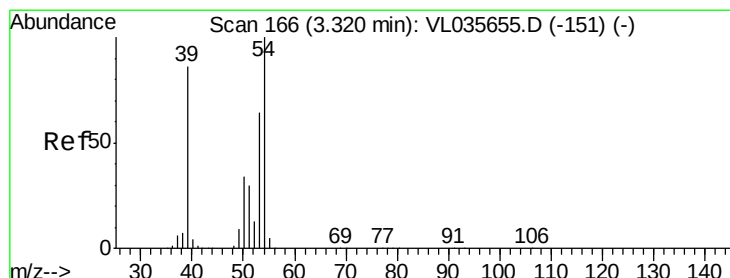
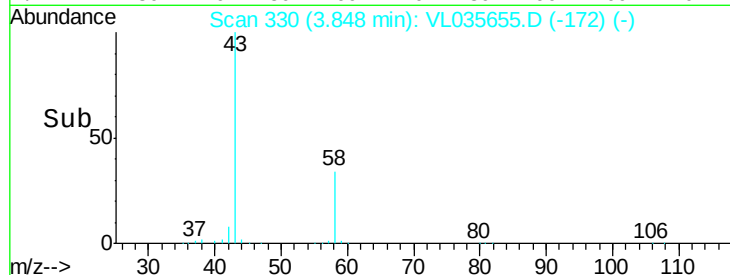
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 10.172 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL035655.D

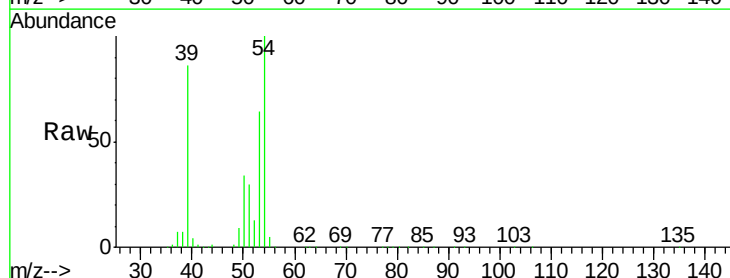
Acq: 17 Sep 2020 12:16

Tgt Ion: 39 Resp: 472494

Ion Ratio Lower Upper

39 100

54 109.4 88.4 132.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

400000

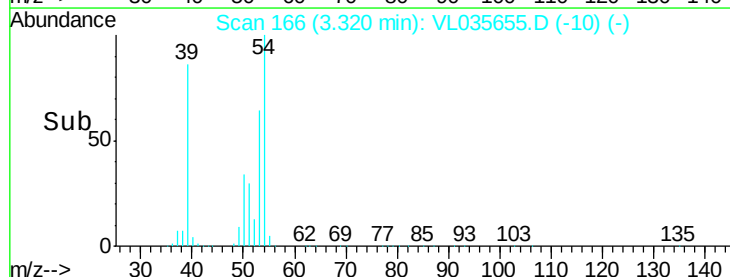
300000

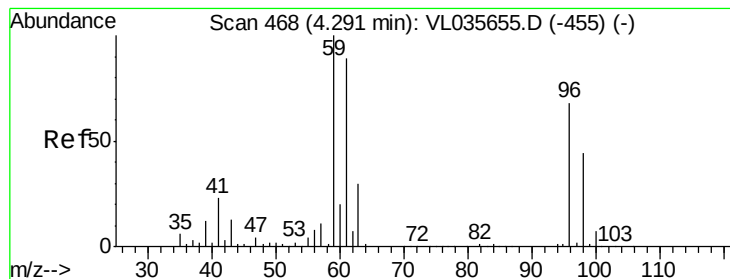
200000

100000

0

Time-->





#17

tert-Butyl alcohol

Concen: 9.808 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

Tot Ion: 59 Resp: 1489773

Ion Ratio Lower Upper

59 100

57 10.6 8.4 12.6

Instrument :

MSVOA_L

ClientSampled :

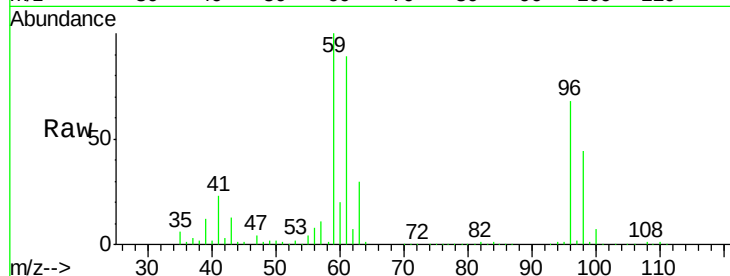
VSTDCCC010

Manual Integrations

APPROVED

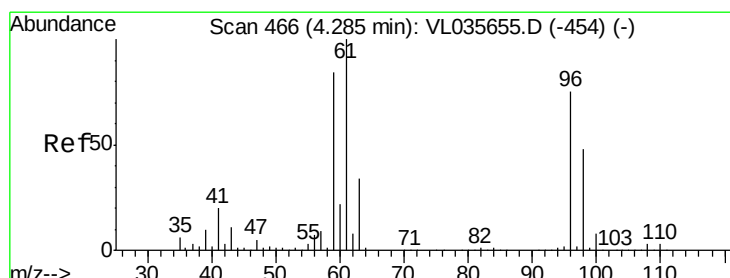
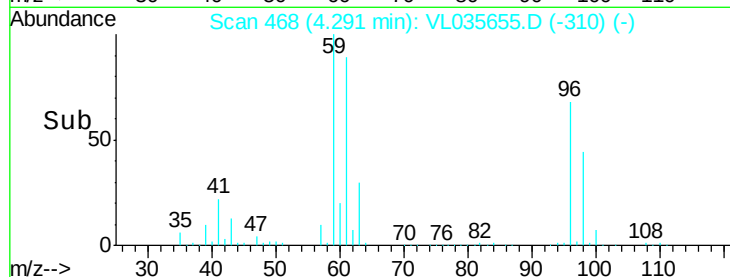
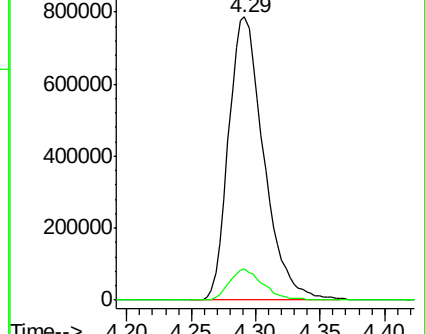
MMDadoda

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.794 ppbv

RT: 4.28 min Scan# 466

Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

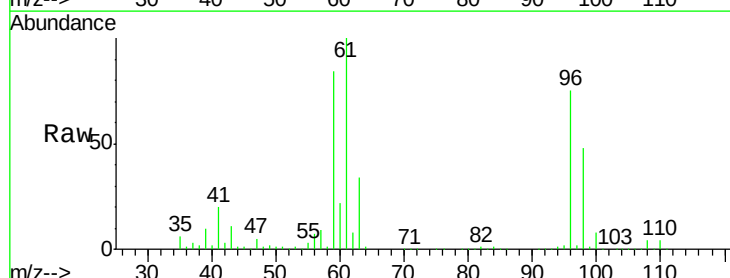
Tgt Ion: 96 Resp: 930787

Ion Ratio Lower Upper

96 100

61 132.7 103.0 154.6

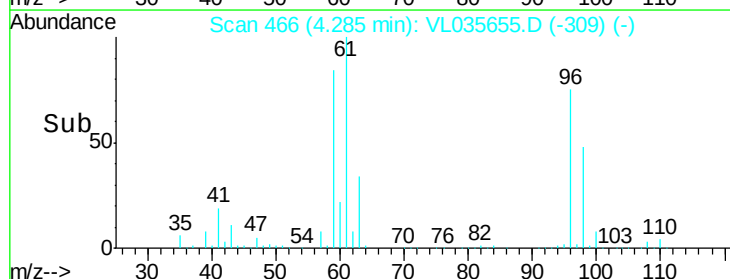
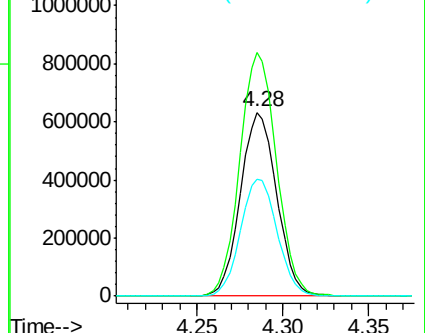
98 63.5 52.8 79.2

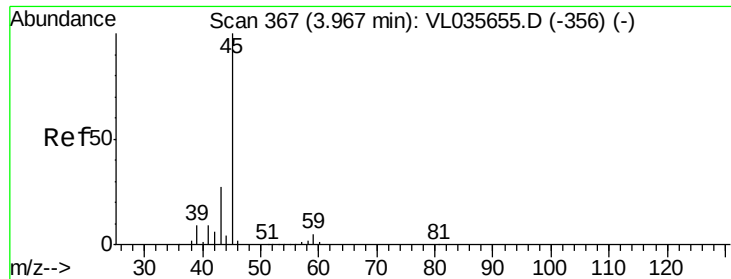


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





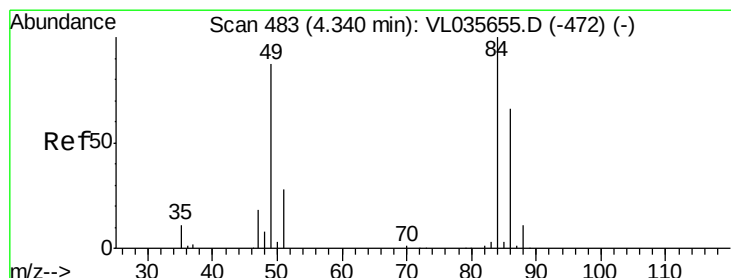
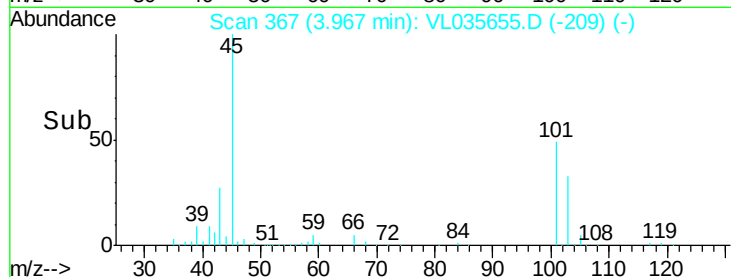
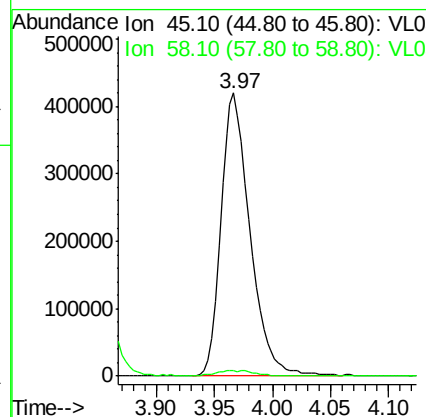
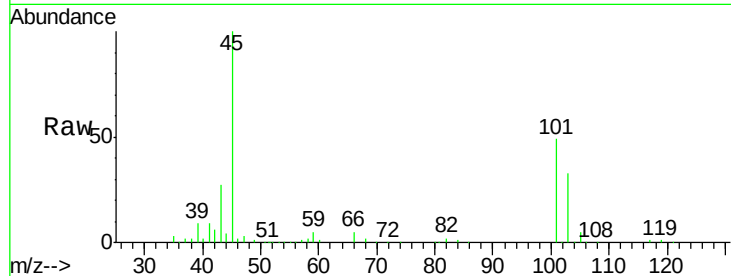
#19
Isopropyl Alcohol
Concen: 9.837 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.01 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.0	2.0	3.0

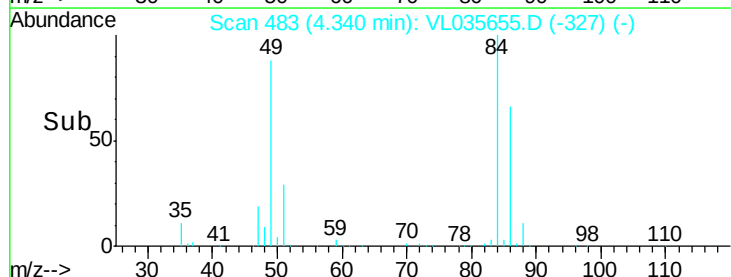
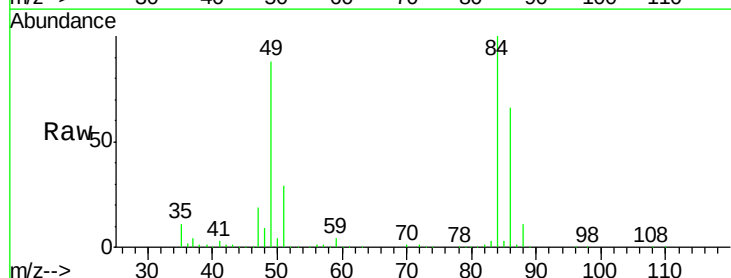
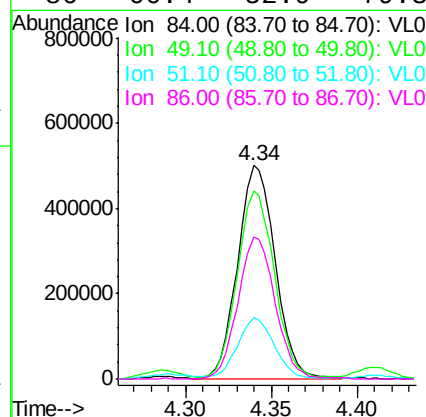
Manual Integrations
APPROVED

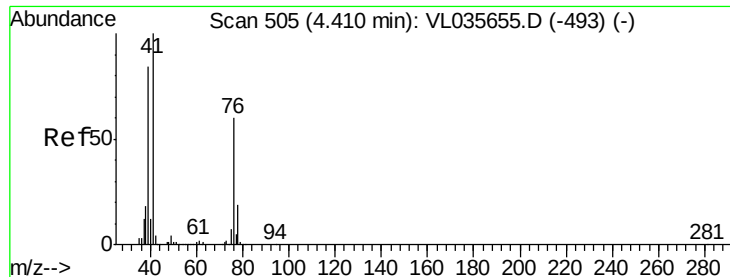
MMDadoda
9/22/2020 2:11:13 PM



#20
Methylene Chloride
Concen: 8.158 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	87.0	65.4	98.0
51	28.7	21.5	32.3
86	66.4	52.9	79.3





#21

Allvl Chloride

Concen: 10.915 ppbv

RT: 4.41 min Scan# 505

Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

Instrument :

MSVOA_L

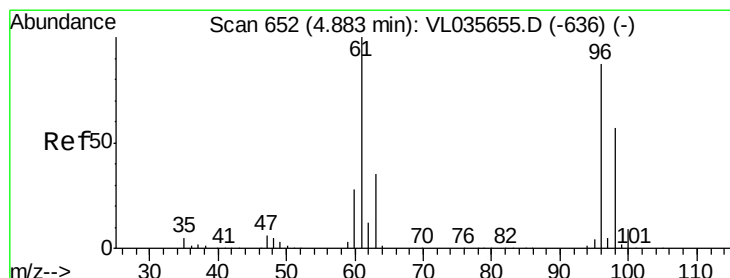
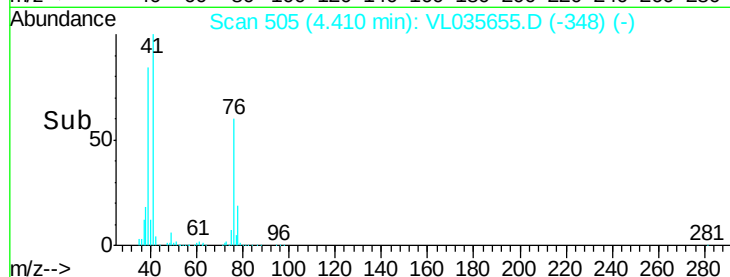
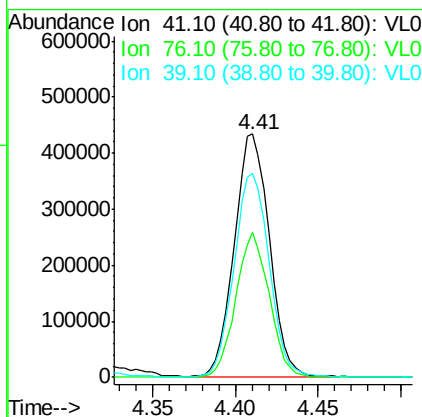
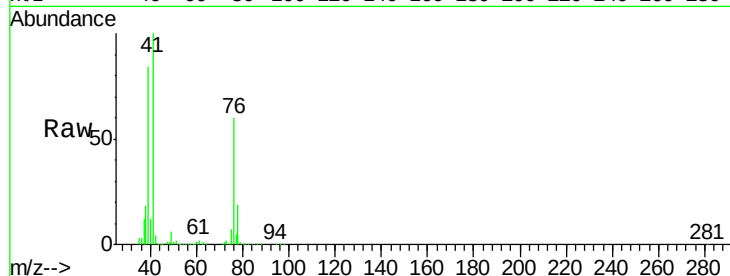
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	638069
Ion	Ratio	Lower	Upper
41	100		
76	56.9	46.2	69.2
39	84.5	67.8	101.6

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.629 ppbv

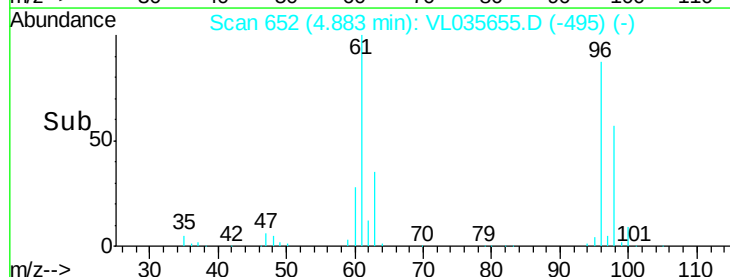
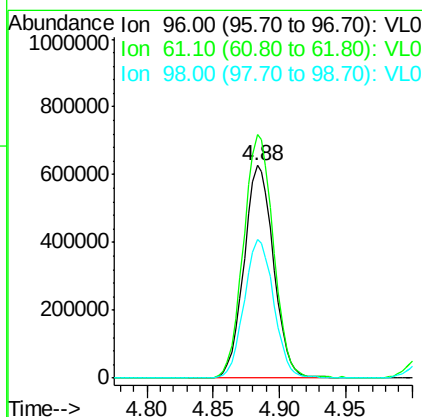
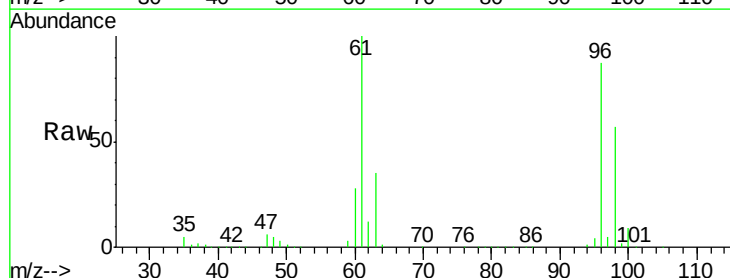
RT: 4.88 min Scan# 652

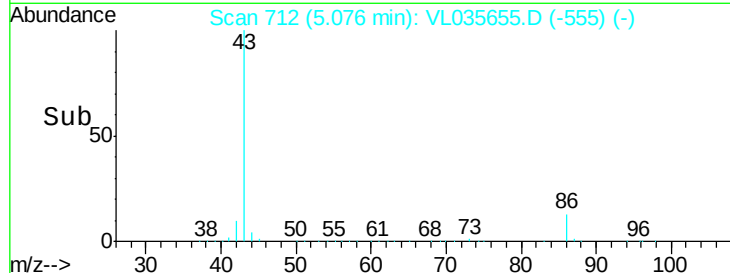
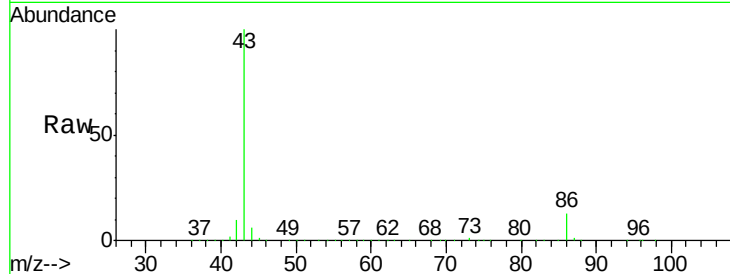
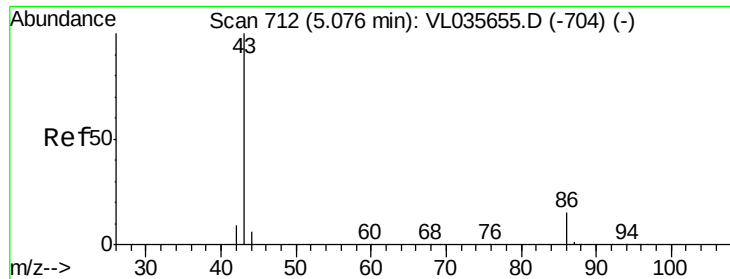
Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

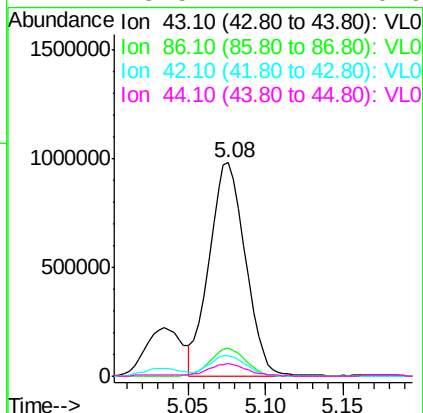
Tgt Ion:	96	Resp:	974161
Ion	Ratio	Lower	Upper
96	100		
61	114.7	86.0	129.0
98	65.3	52.3	78.5





#23
 Vinyl Acetate
 Concen: 9.942 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.01 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

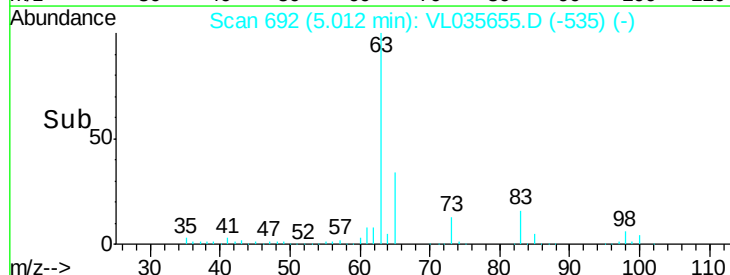
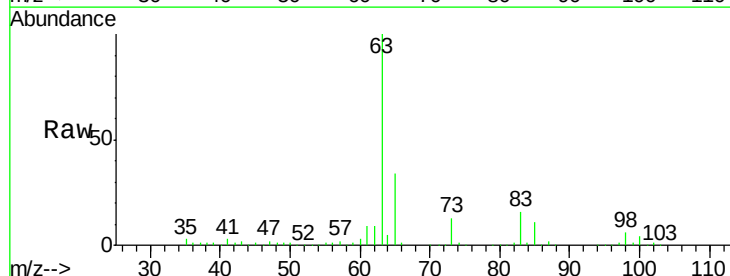
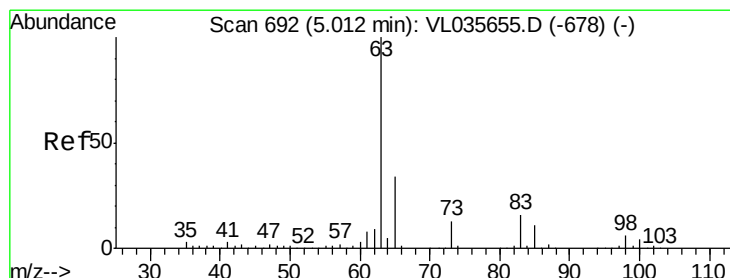
Tot Ion:	43	Resp:	1592339
Ion	Ratio	Lower	Upper
43	100		
86	13.3	10.6	16.0
42	9.5	7.5	11.3
44	5.5	4.4	6.6



Instrument :
 MSVOA_L
 ClientSampled :
 VSTDCCC010

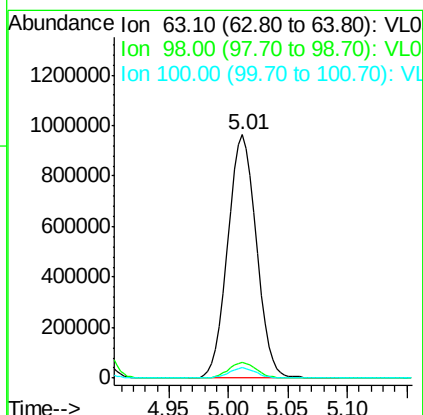
Manual Integrations
 APPROVED

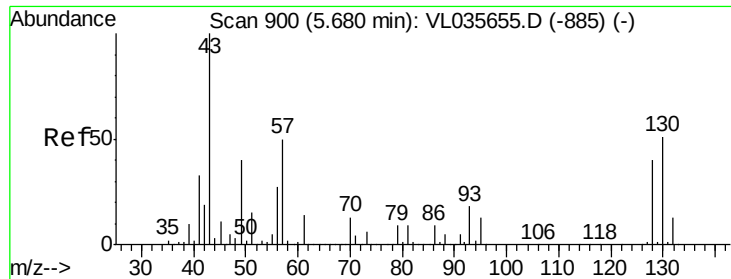
MMDadoda
 9/22/2020 2:11:13 PM



#24
 1,1-Dichloroethane
 Concen: 9.759 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Tgt Ion:	63	Resp:	1608456
Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.1
100	4.3	2.1	6.5





#25
Ethyl Acetate
Concen: 9.628 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

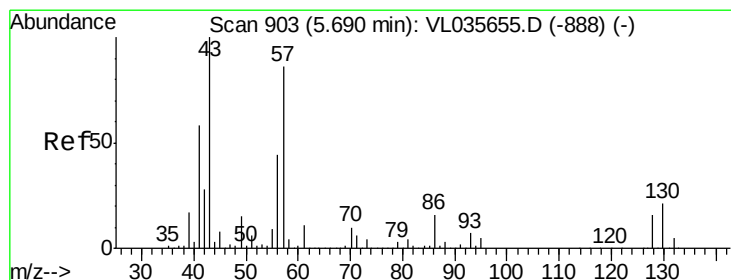
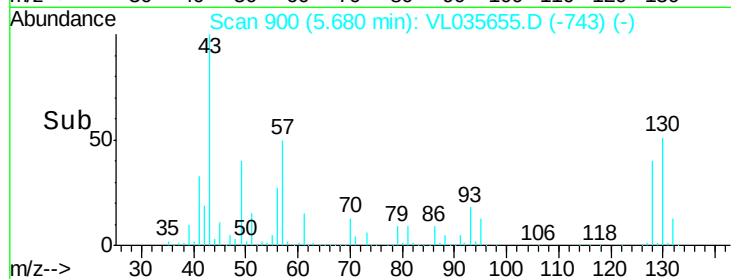
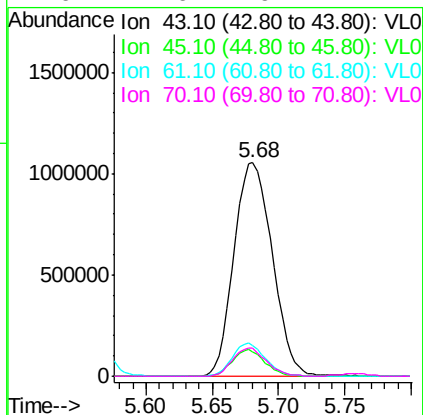
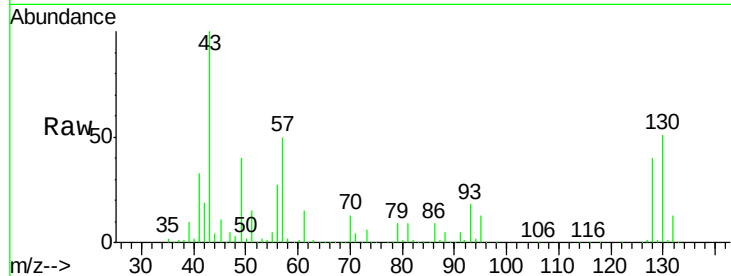
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2122408

Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.4	12.6
61	13.4	10.6	16.0
70	11.6	9.4	14.2

Manual Integrations
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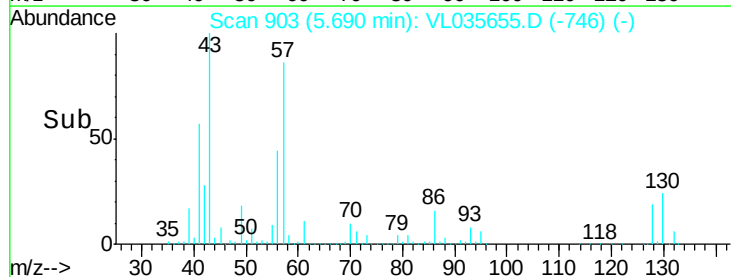
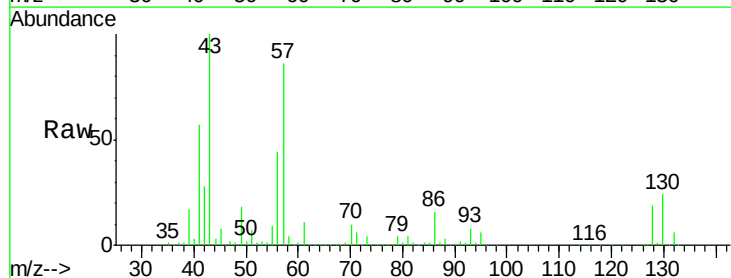
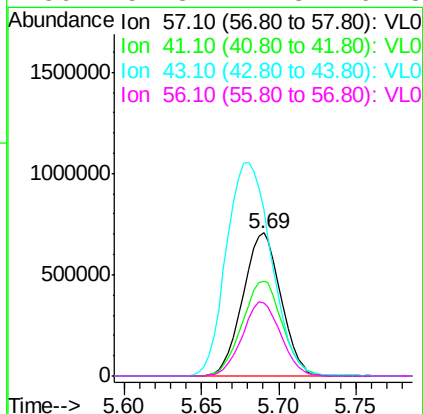
MMDadoda
9/22/2020 2:11:13 PM

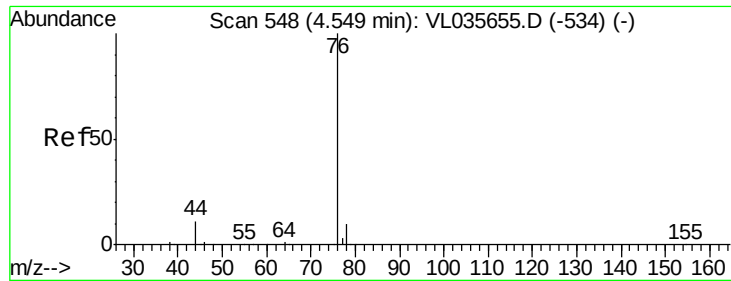


#26
Hexane
Concen: 9.687 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Tgt Ion: 57 Resp: 1209939

Ion	Ratio	Lower	Upper
57	100		
41	70.7	55.9	83.9
43	176.2	141.8	212.8
56	52.3	41.8	62.8





#27

Carbon Disulfide

Concen: 11.191 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 2005785

Ion Ratio Lower Upper

76 100

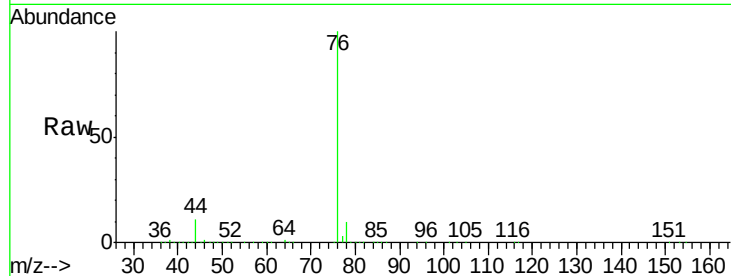
44 11.4 9.3 13.9

78 9.7 7.8 11.6

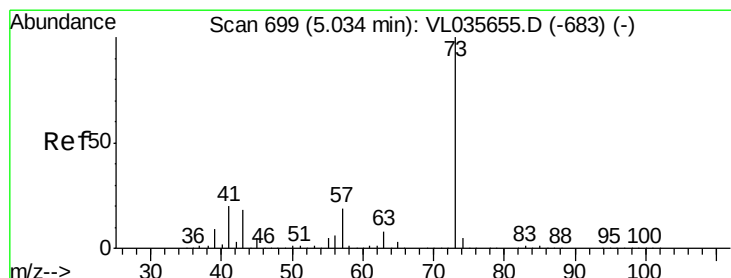
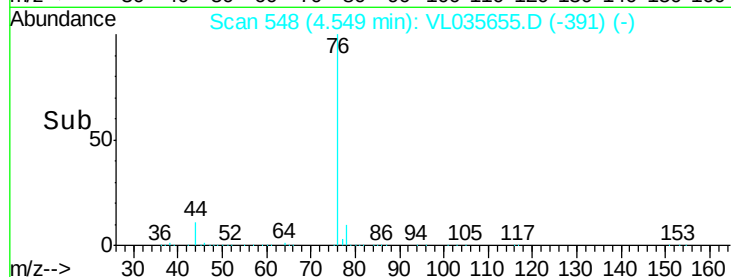
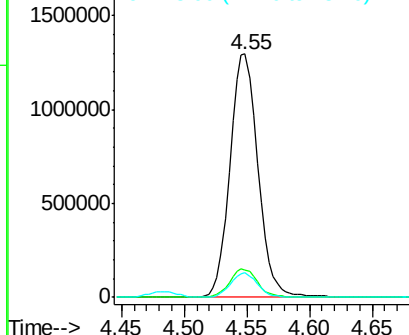
Manual Integrations
APPROVED

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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: 9.984 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.01 min

Lab File: VL035655.D

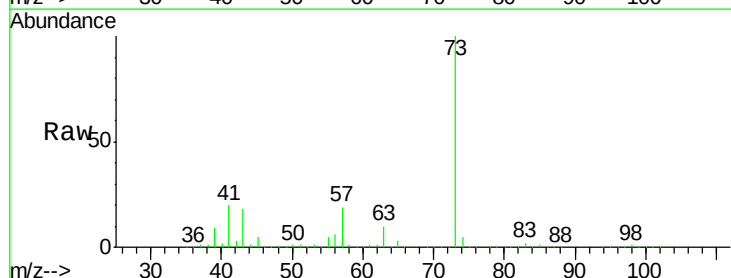
Acq: 17 Sep 2020 12:16

Tgt Ion: 73 Resp: 2173357

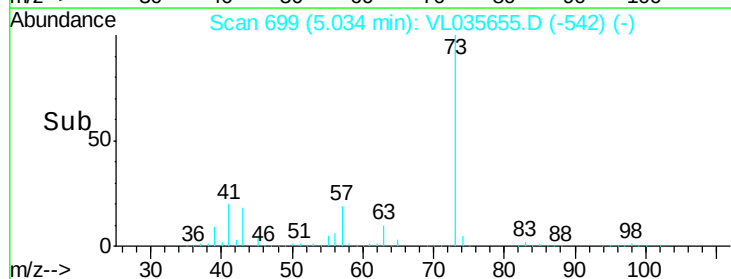
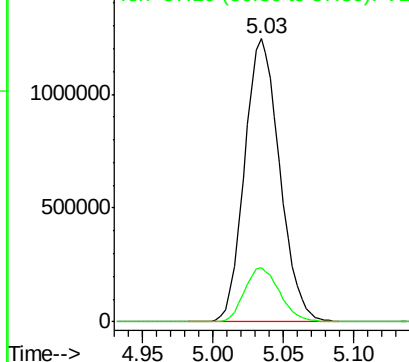
Ion Ratio Lower Upper

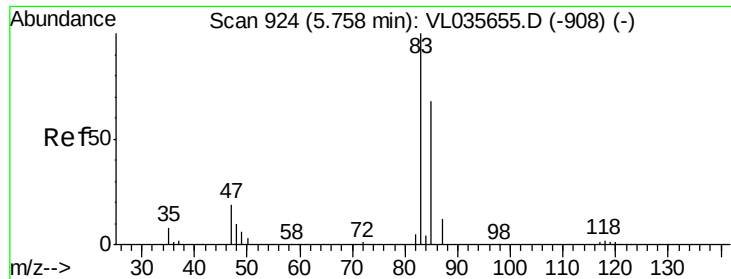
73 100

57 19.2 15.2 22.8



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





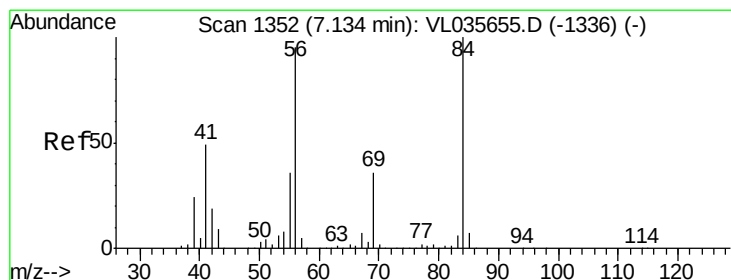
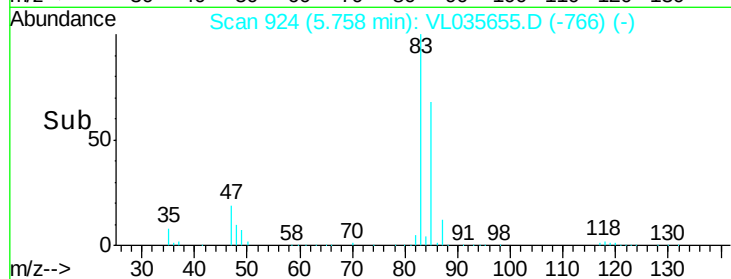
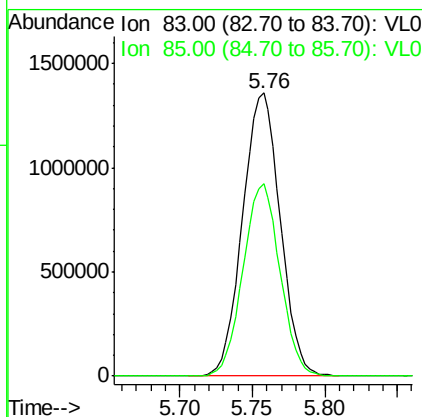
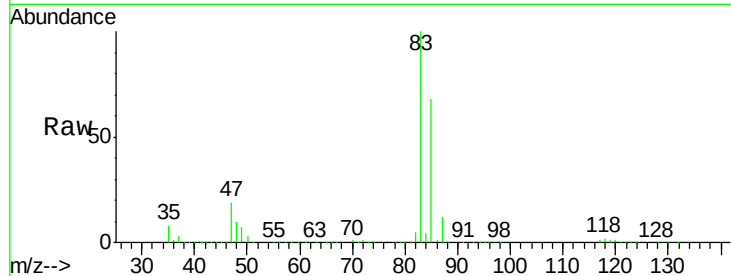
#29
Chloroform
Concen: 9.640 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.01 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2453161
Ion Ratio Lower Upper
83 100
85 67.7 53.9 80.9

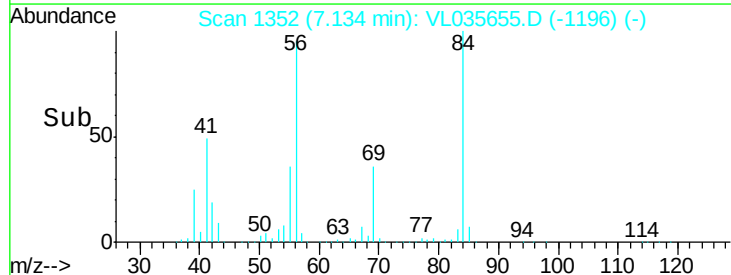
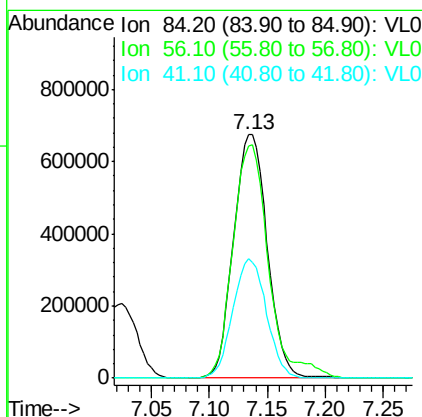
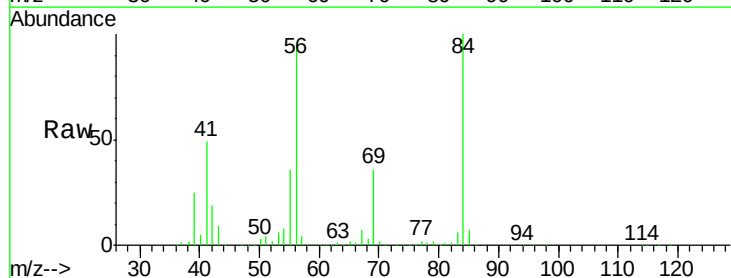
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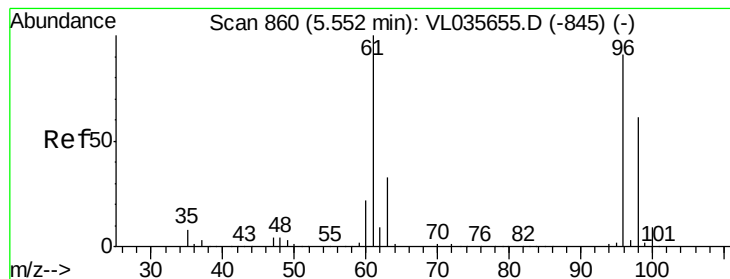
MMDadoda
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#30
Cyclohexane
Concen: 10.196 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.00 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Tgt Ion: 84 Resp: 1364269
Ion Ratio Lower Upper
84 100
56 101.4 80.1 120.1
41 48.8 38.1 57.1





#31

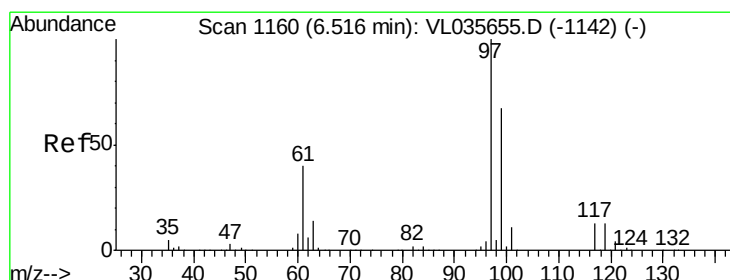
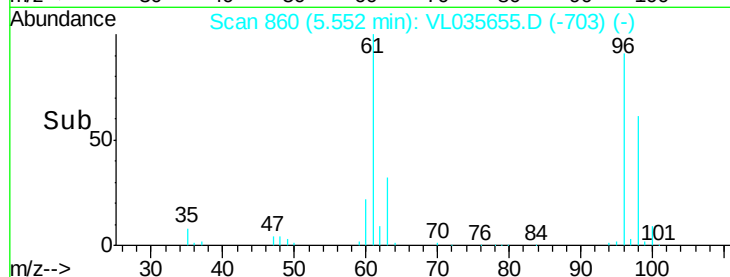
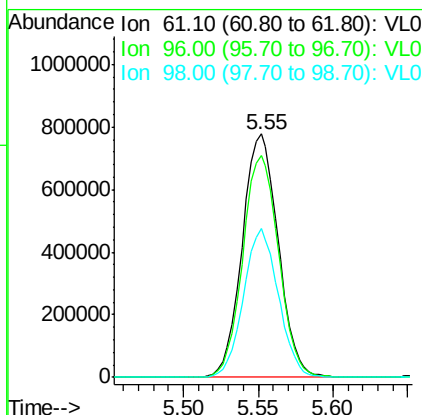
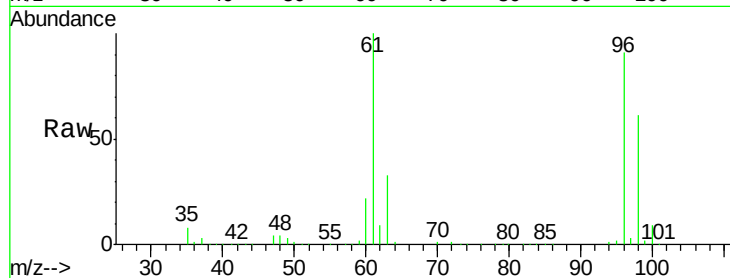
cis-1,2-Dichloroethene
 Concen: 10.180 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 61 Resp: 1304578
 Ion Ratio Lower Upper
 61 100
 96 91.1 74.4 111.6
 98 61.1 49.2 73.8

Manual Integrations
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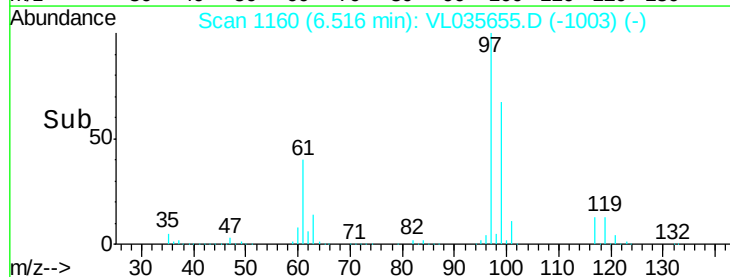
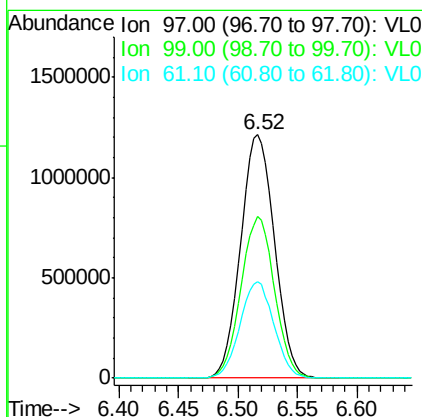
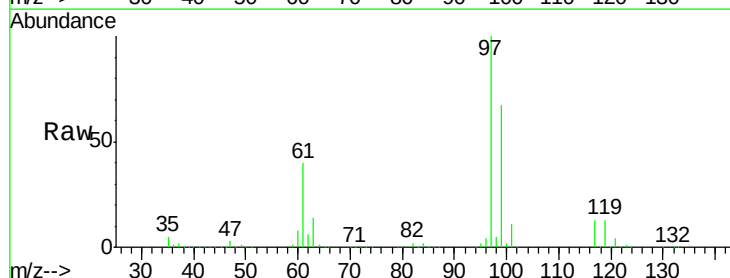
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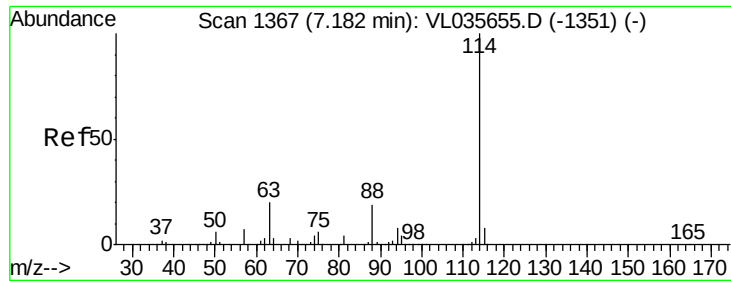


#32

1,1,1-Trichloroethane
 Concen: 9.736 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.01 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Tgt Ion: 97 Resp: 2403648
 Ion Ratio Lower Upper
 97 100
 99 65.7 53.3 79.9
 61 39.6 30.6 46.0





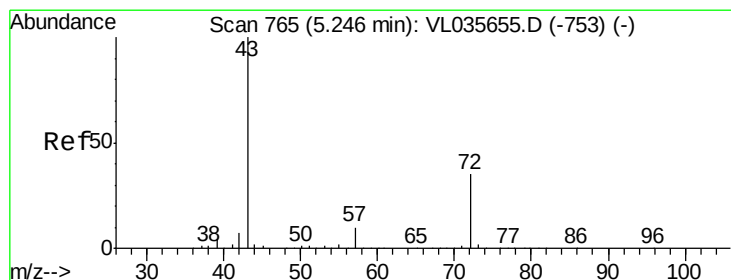
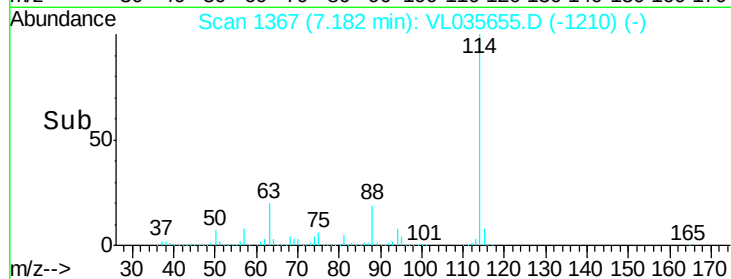
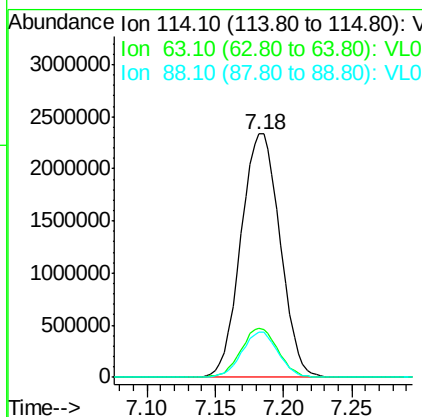
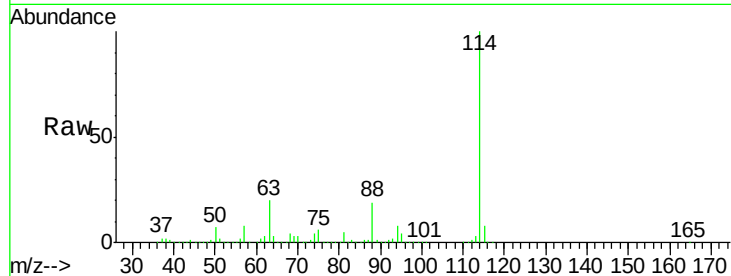
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4651597
 Ion Ratio Lower Upper
 114 100
 63 19.3 14.7 22.1
 88 17.2 13.4 20.2

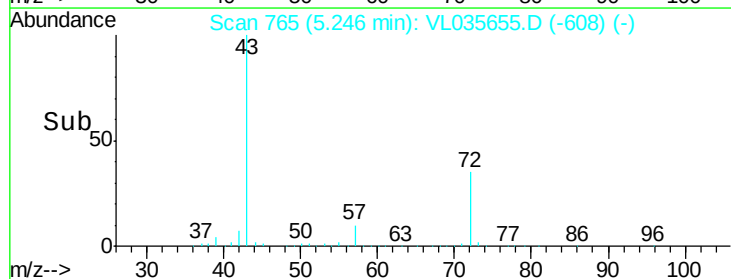
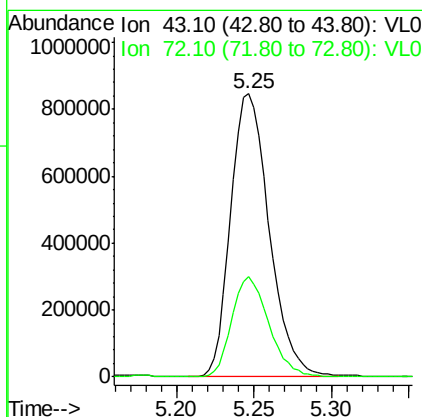
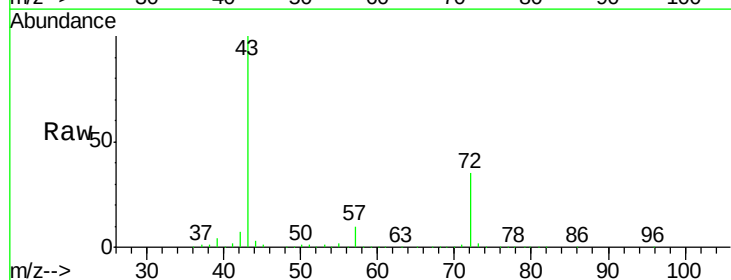
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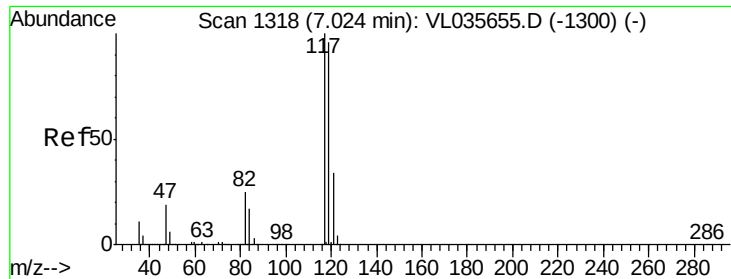
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#34
 2-Butanone
 Concen: 10.595 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Tgt Ion: 43 Resp: 1462644
 Ion Ratio Lower Upper
 43 100
 72 34.3 27.7 41.5





#35

Carbon Tetrachloride

Concen: 10.588 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2475306

Ion Ratio Lower Upper

117 100

119 95.8 77.2 115.8

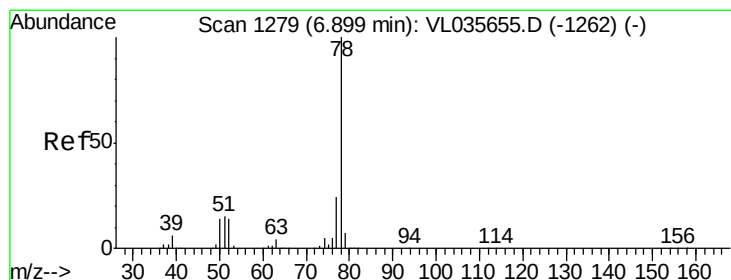
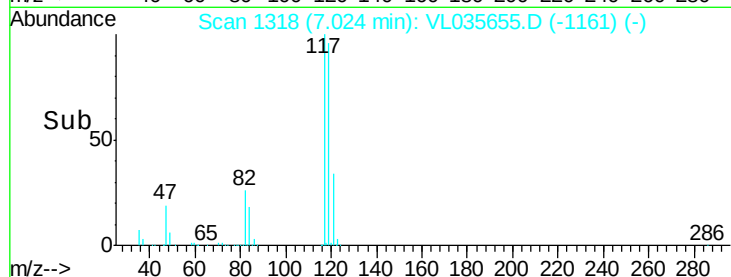
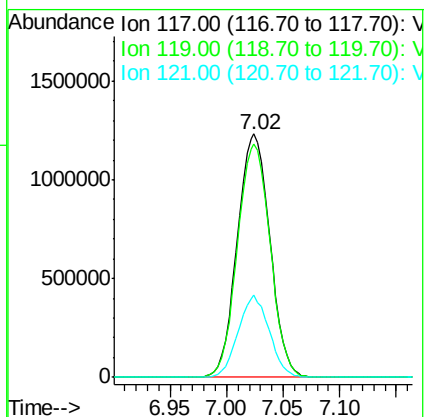
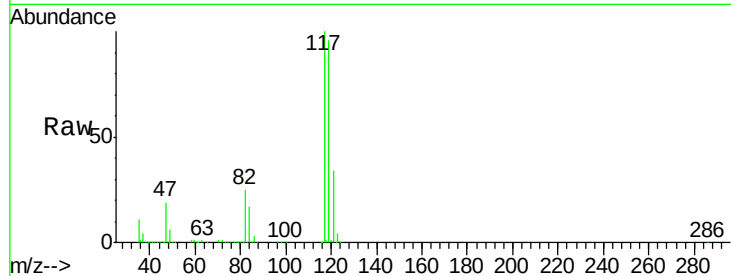
121 33.7 26.1 39.1

Manual Integrations

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#36

Benzene

Concen: 10.384 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

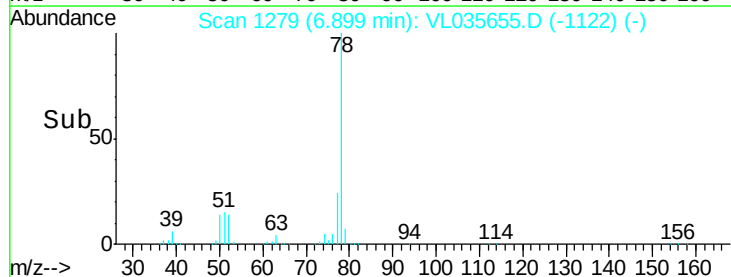
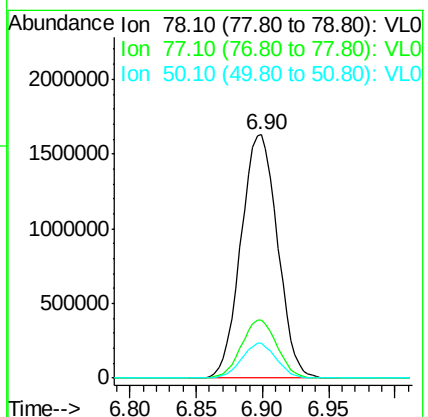
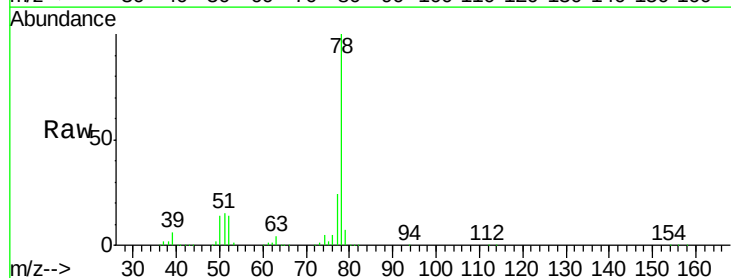
Tgt Ion: 78 Resp: 3126607

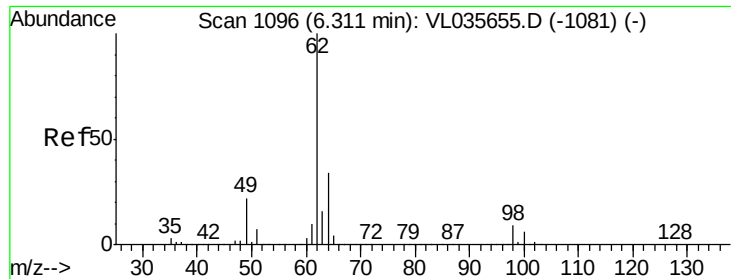
Ion Ratio Lower Upper

78 100

77 23.6 19.3 28.9

50 14.3 11.0 16.6





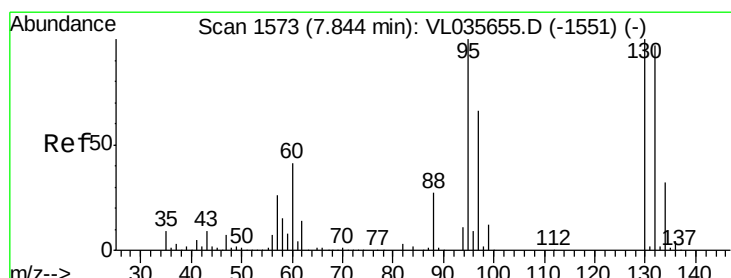
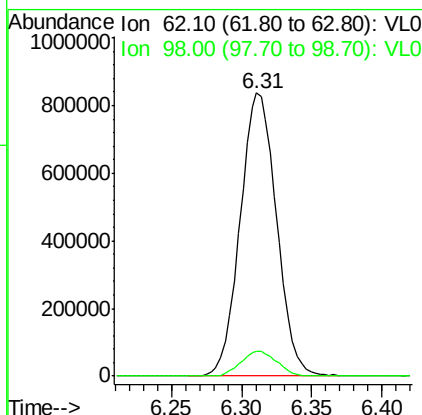
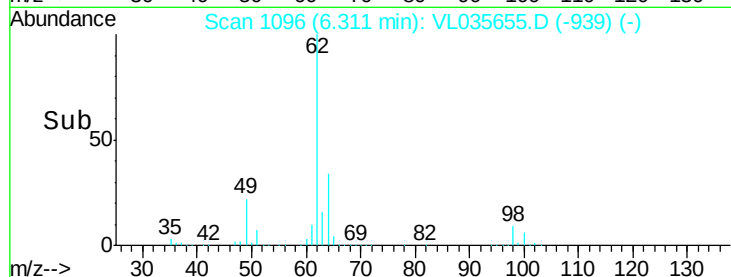
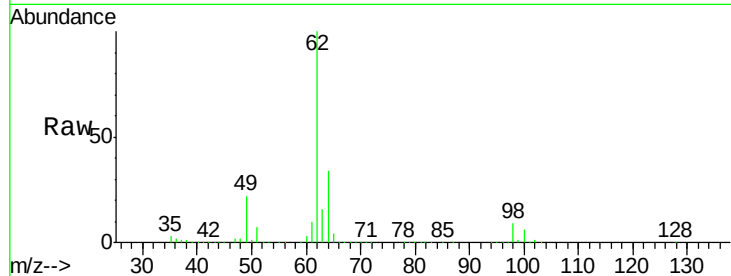
#37
 1,2-Dichloroethane
 Concen: 10.540 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.01 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1513084
 Ion Ratio Lower Upper
 62 100
 98 8.9 7.4 11.0

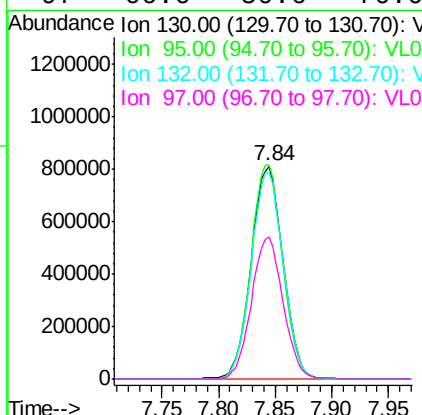
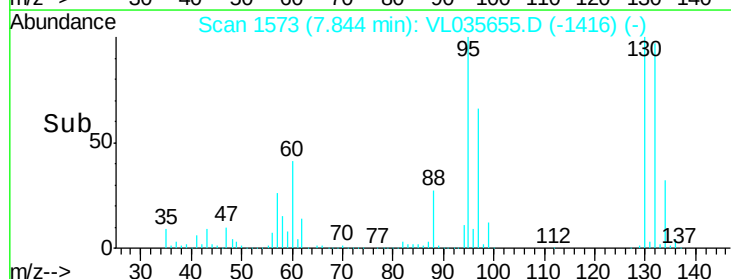
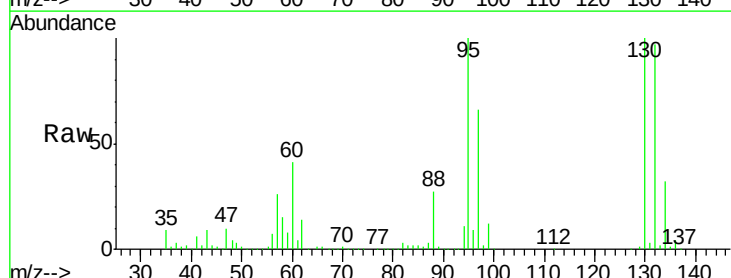
Manual Integrations
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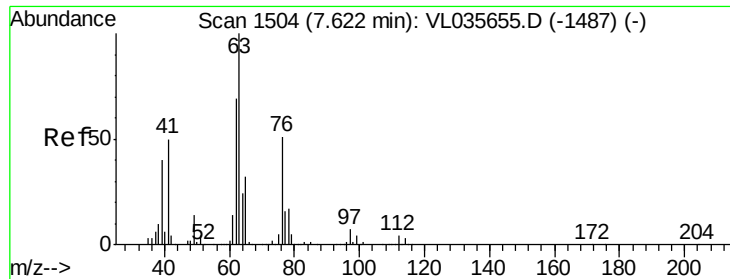
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#38
 Trichloroethene
 Concen: 9.081 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Tgt Ion:130 Resp: 1588383
 Ion Ratio Lower Upper
 130 100
 95 100.4 74.6 112.0
 132 96.9 77.6 116.4
 97 66.6 50.6 76.0





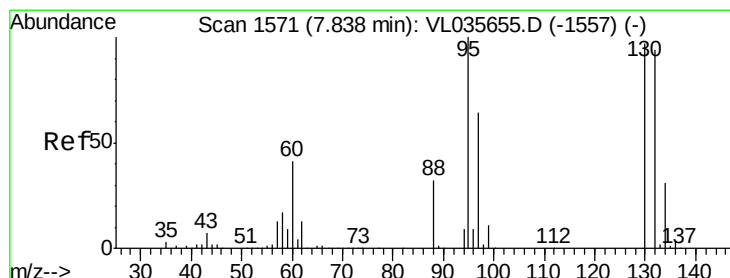
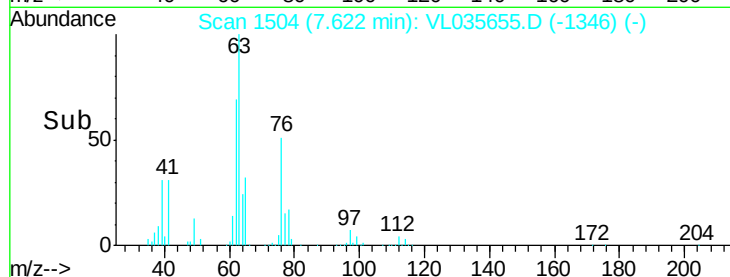
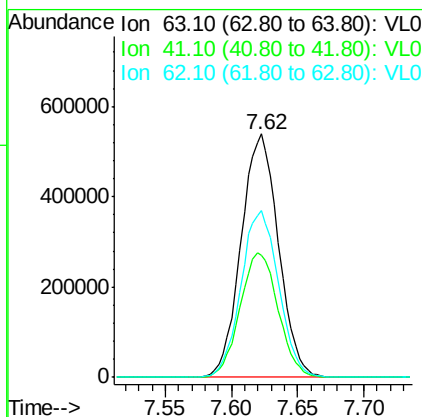
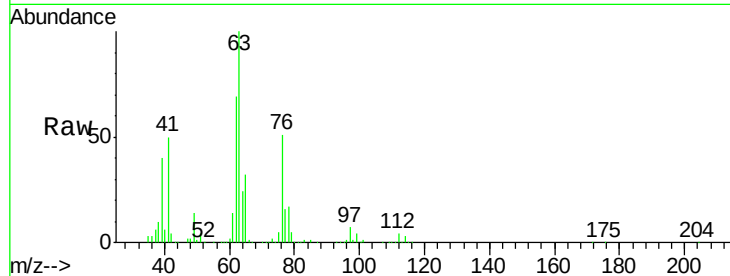
#39
 1,2-Dichloropropane
 Concen: 10.354 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. 0.01 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	49.9	40.0	60.0
62	68.6	55.4	83.0

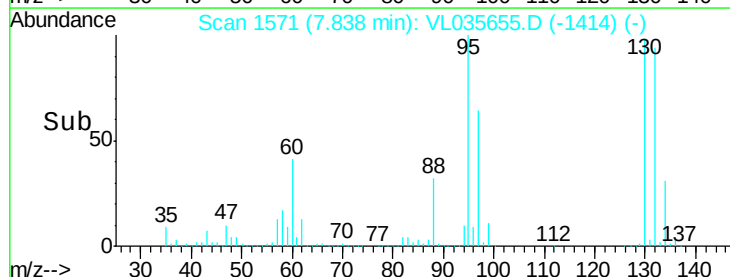
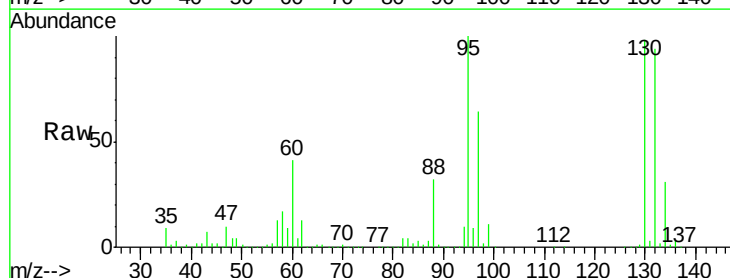
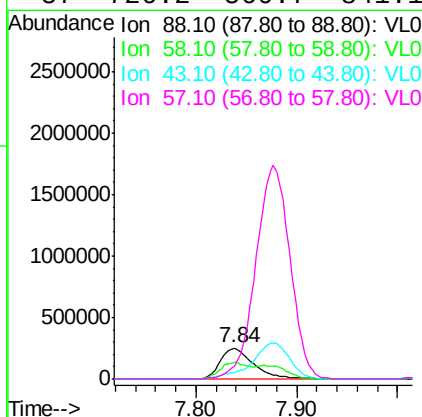
Manual Integrations
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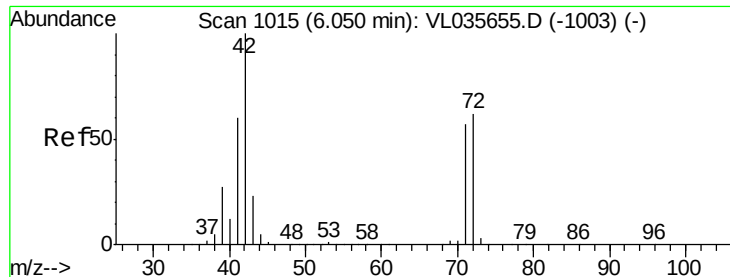
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#40
 1,4-Dioxane
 Concen: 11.105 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	89.0	68.7	103.1
43	135.3	104.3	156.5
57	726.2	560.7	841.1





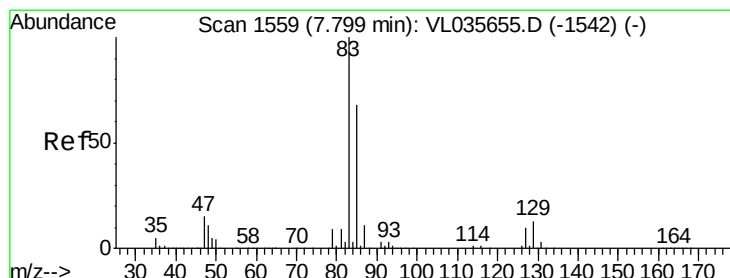
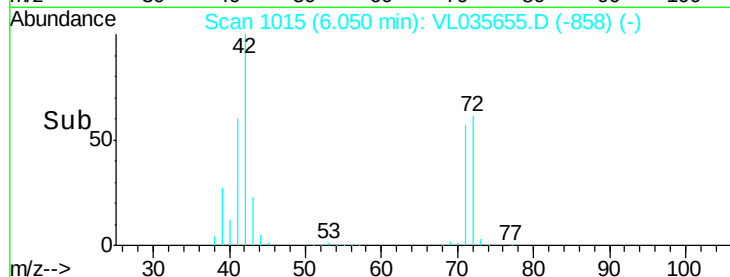
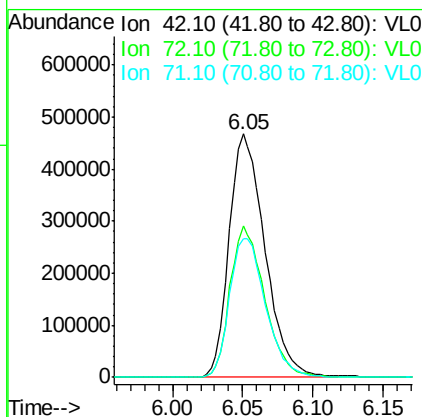
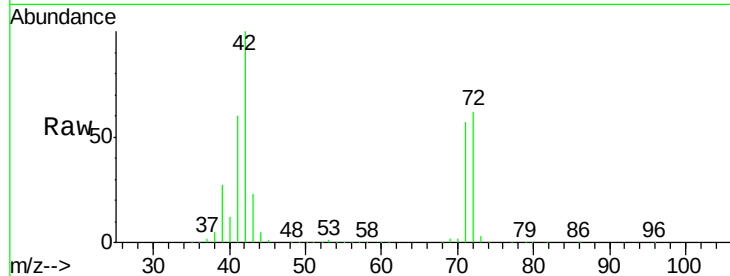
#41
Tetrahydrofuran
Concen: 11.363 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	60.3	48.6	73.0
71	57.8	46.1	69.1

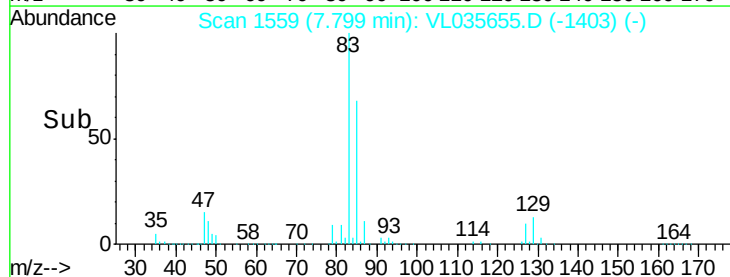
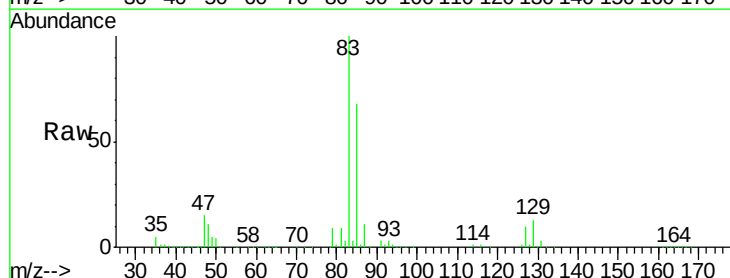
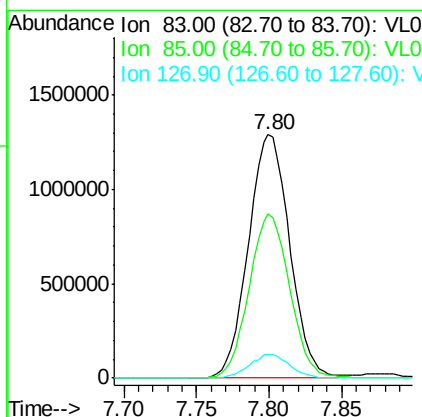
Manual Integrations
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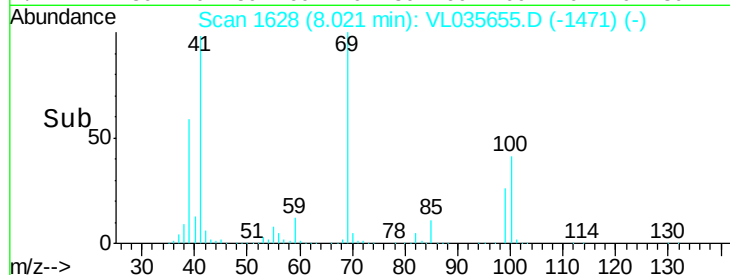
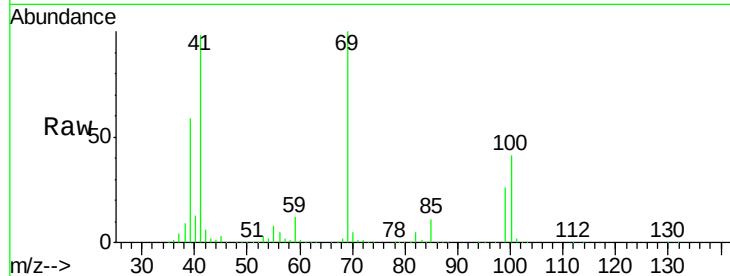
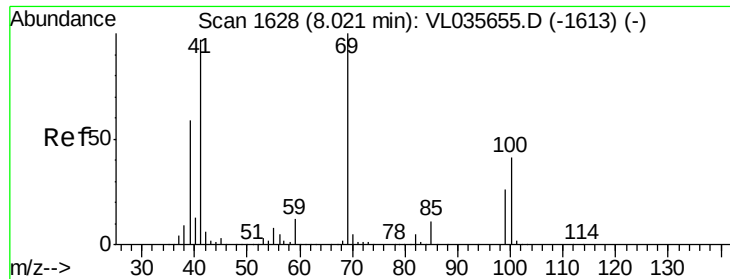
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#42
Bromodichloromethane
Concen: 11.030 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	53.7	80.5
127	9.7	8.1	12.1





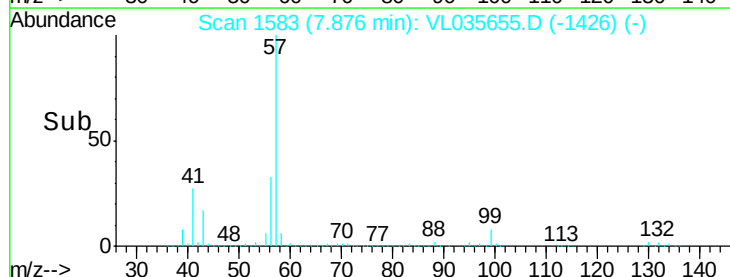
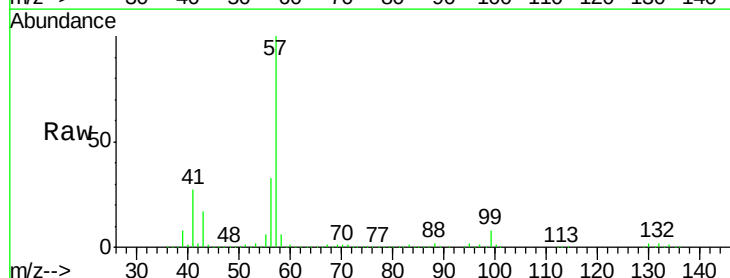
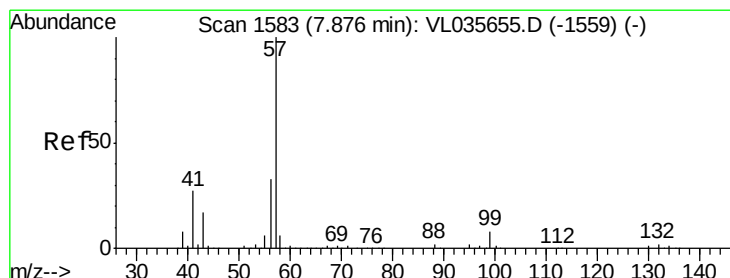
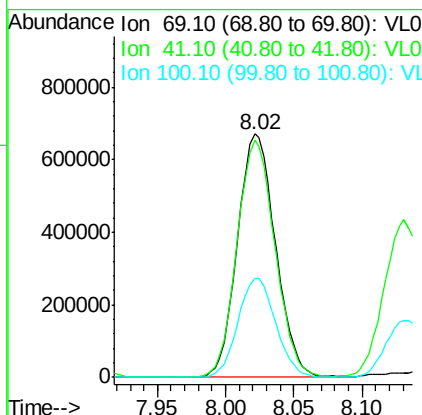
#43
Methyl Methacrylate
Concen: 11.177 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Tot Ion: 69 Resp: 1301310
Ion Ratio Lower Upper
69 100
41 97.1 76.6 114.8
100 40.4 33.8 50.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

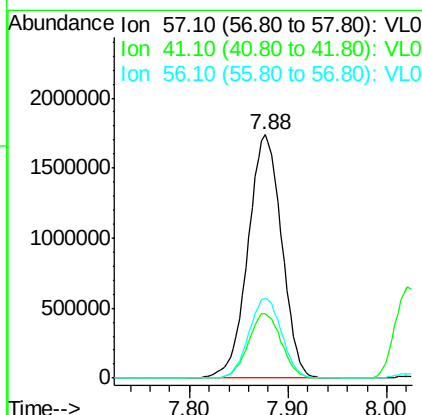
Manual Integrations
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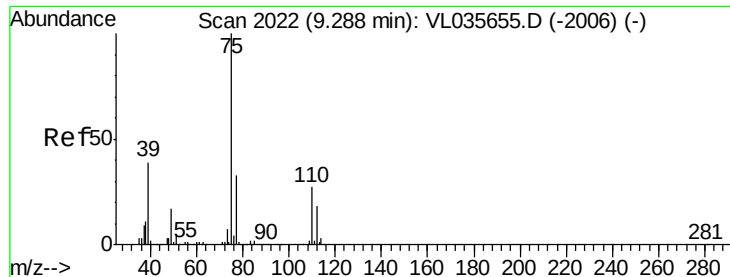
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#44
2,2,4-Trimethylpentane
Concen: 10.335 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.01 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Tgt Ion: 57 Resp: 4094513
Ion Ratio Lower Upper
57 100
41 25.9 20.5 30.7
56 31.9 25.3 37.9





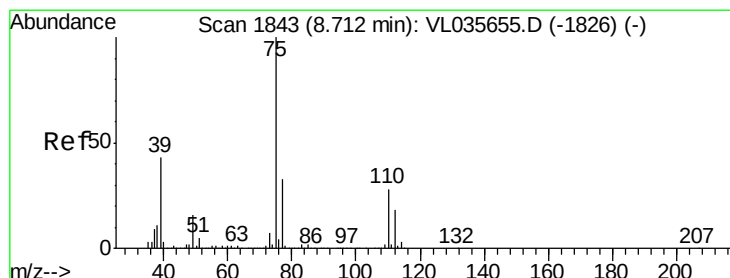
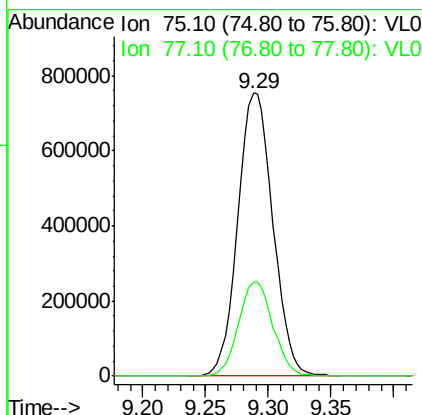
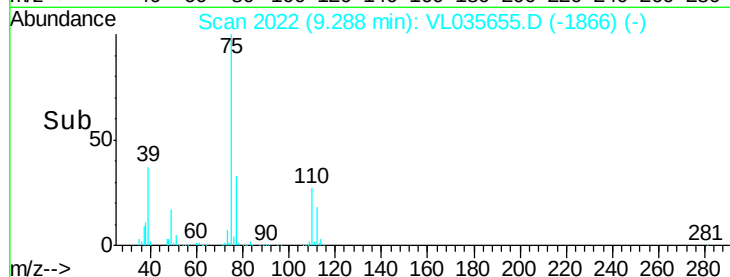
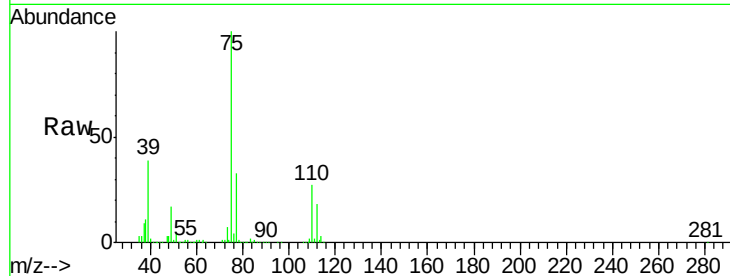
#45
t-1,3-Dichloropropene
Concen: 12.413 ppbv
RT: 9.29 min Scan# 2022
Delta R.T. 0.00 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1464101
Ion Ratio Lower Upper
75 100
77 33.0 26.5 39.7

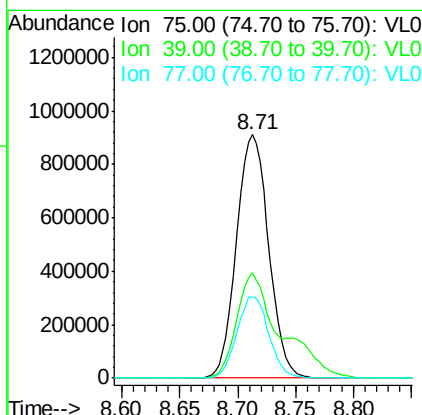
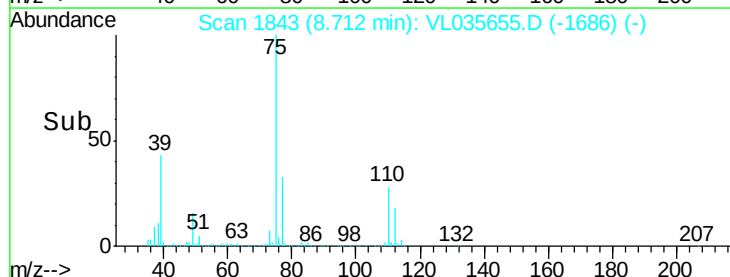
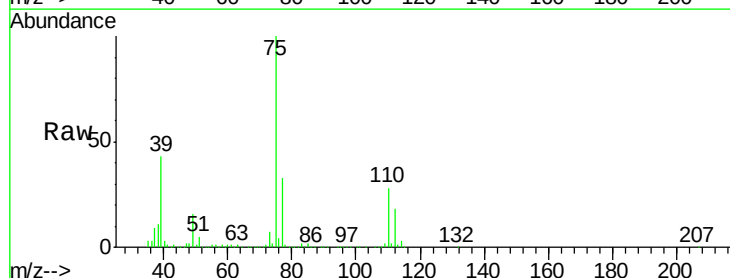
Manual Integrations
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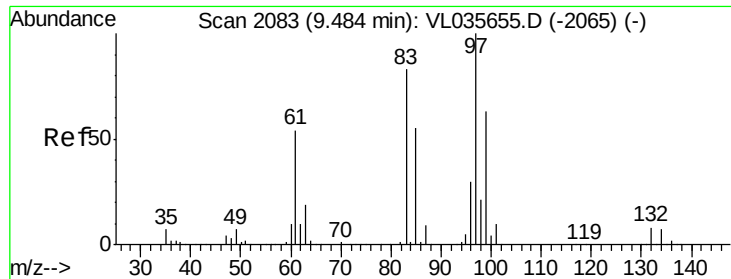
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 11.954 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Tgt Ion: 75 Resp: 1750607
Ion Ratio Lower Upper
75 100
39 43.1 33.7 50.5
77 33.1 27.8 41.6





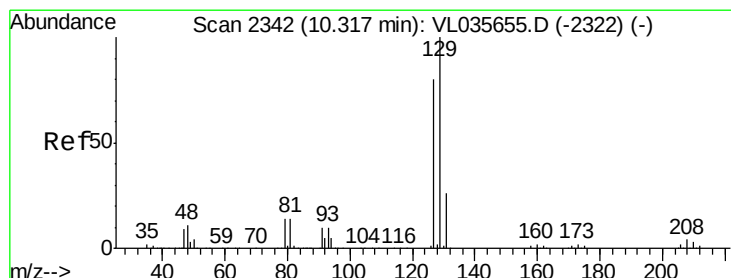
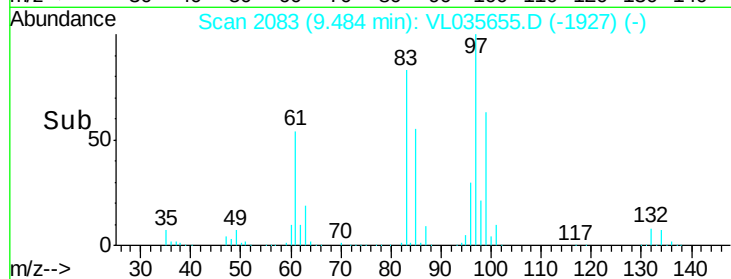
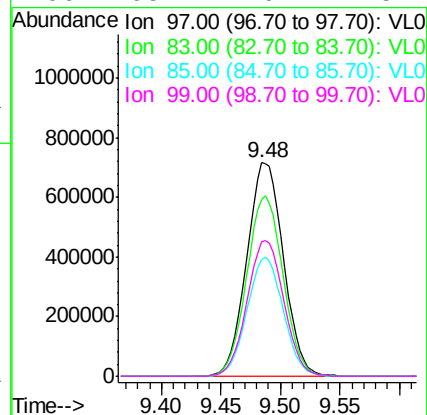
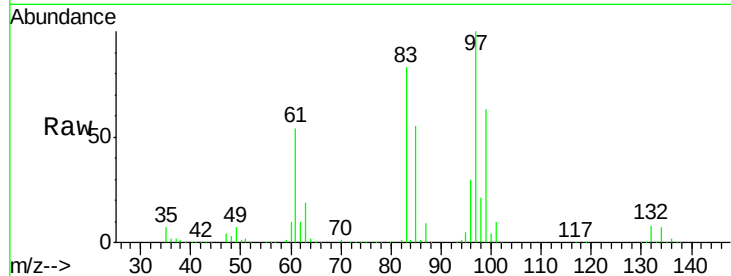
#47
 1,1,2-Trichloroethane
 Concen: 10.186 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	82.8	65.4	98.2	
85	54.7	43.7	65.5	
99	63.1	49.1	73.7	

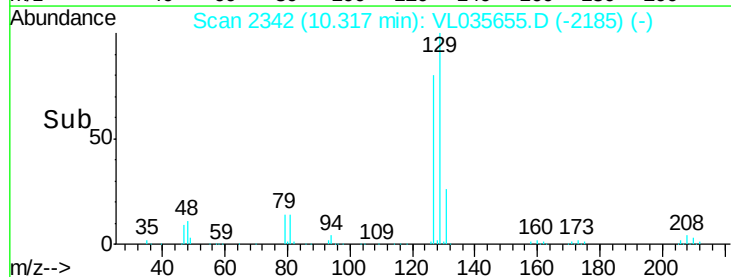
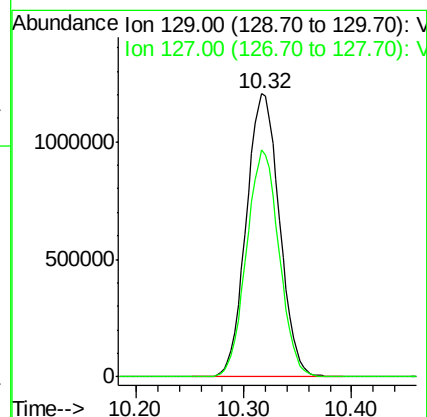
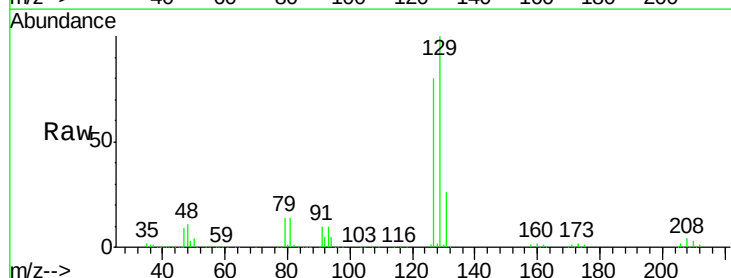
Manual Integrations
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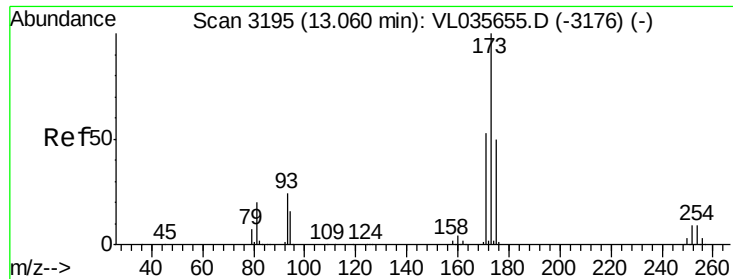
MMDadoda
 9/22/2020 2:11:13 PM



#48
 Dibromochloromethane
 Concen: 10.911 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.01 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.9	39.3	117.8	





#49

Bromoform

Concen: 10.885 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 2330335

Ion Ratio Lower Upper

173 100

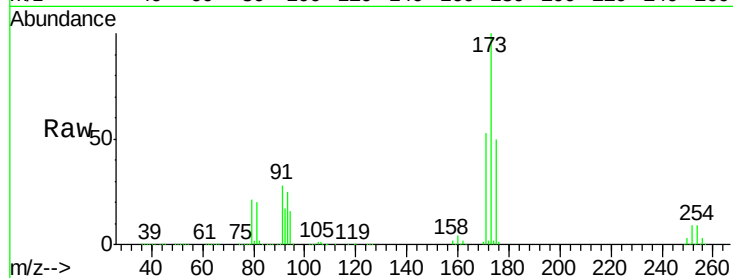
175 49.8 39.8 59.8

171 53.3 42.4 63.6

Manual Integrations
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MMDadoda

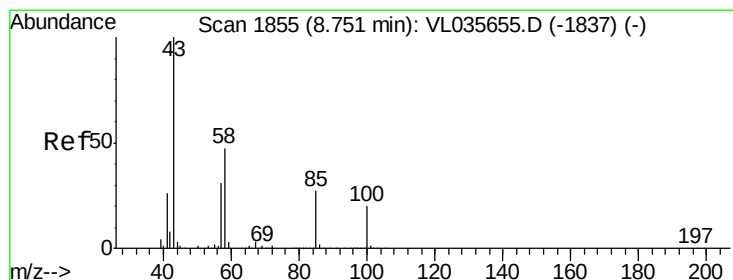
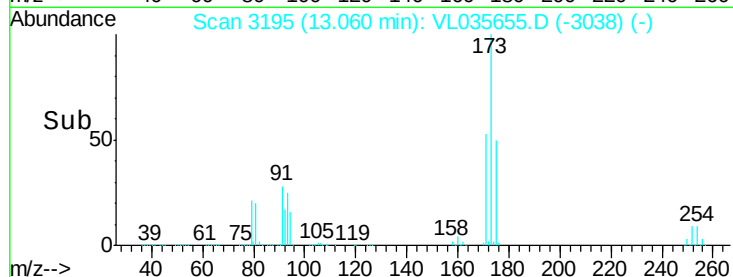
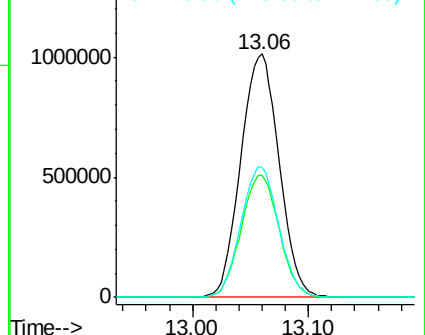
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.721 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL035655.D

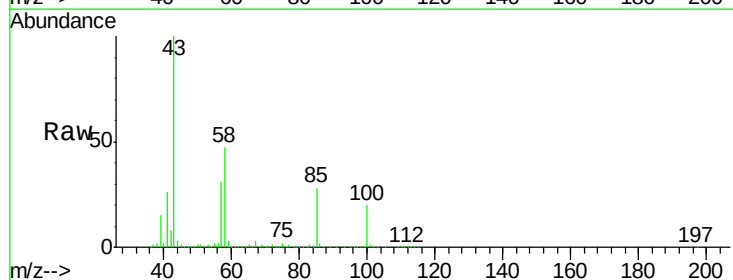
Acq: 17 Sep 2020 12:16

Tgt Ion: 43 Resp: 2143021

Ion Ratio Lower Upper

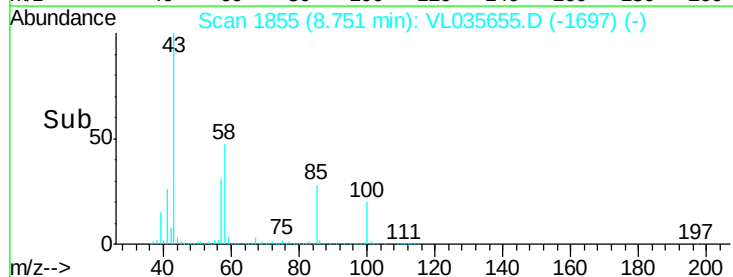
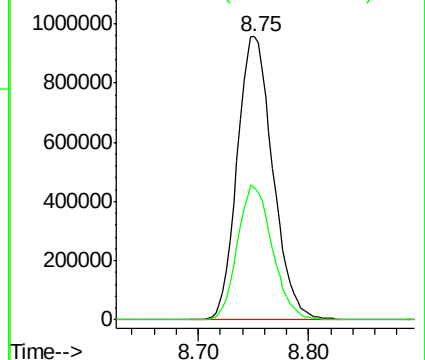
43 100

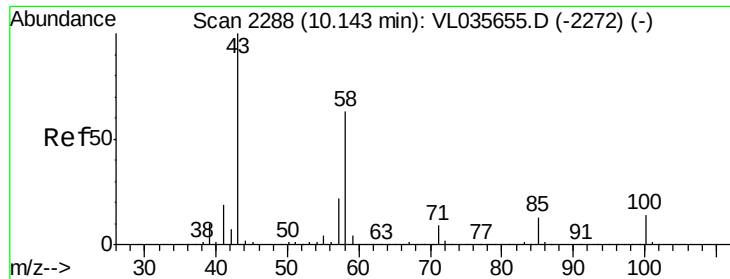
58 46.7 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





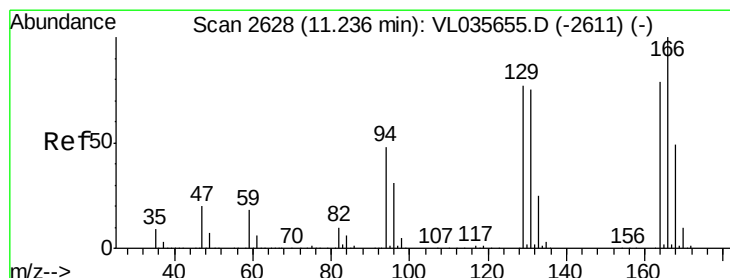
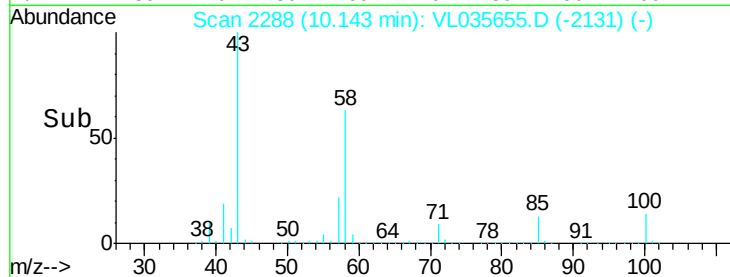
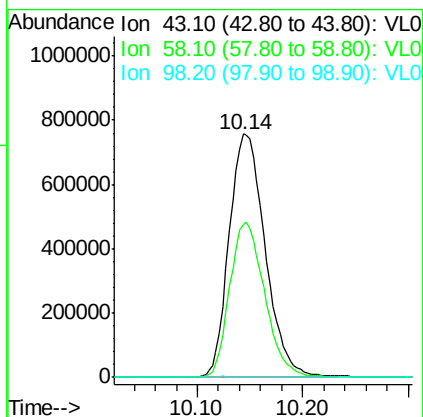
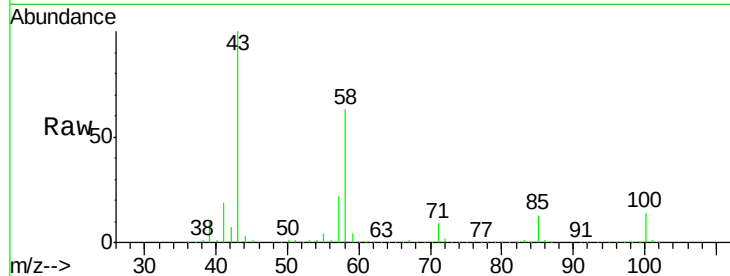
#51
2-Hexanone
Concen: 10.944 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.01 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1794464
Ion Ratio Lower Upper
43 100
58 62.1 50.2 75.4
98 0.6 0.4 0.6#

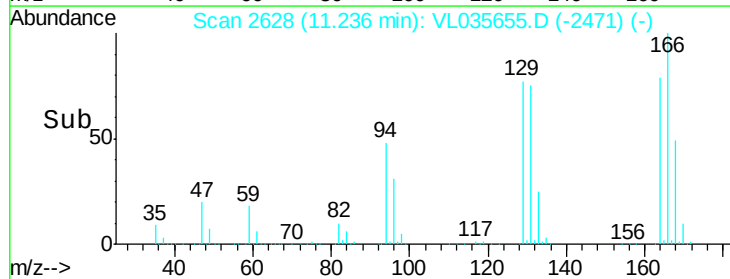
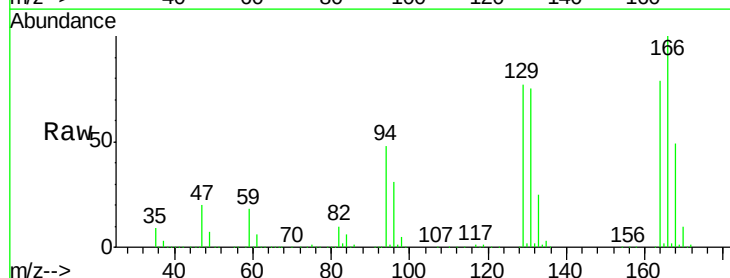
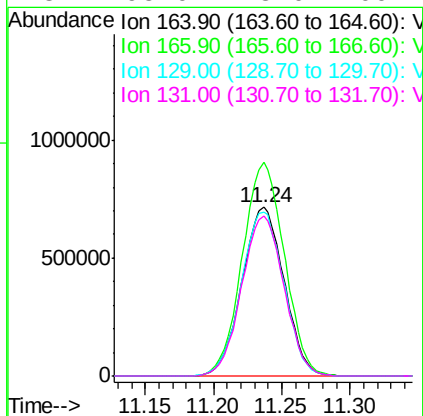
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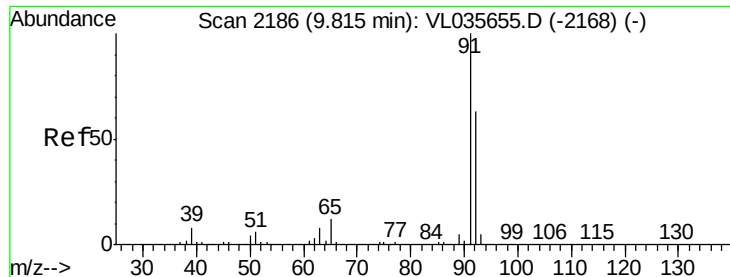
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#52
Tetrachloroethene
Concen: 8.721 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.01 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Tgt Ion: 164 Resp: 1534126
Ion Ratio Lower Upper
164 100
166 126.4 100.9 151.3
129 97.2 75.3 112.9
131 95.0 73.0 109.4





#53

Toluene

Concen: 10.396 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3936487

Ion Ratio Lower Upper

91 100

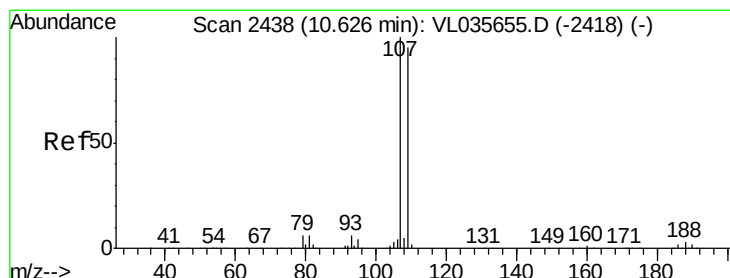
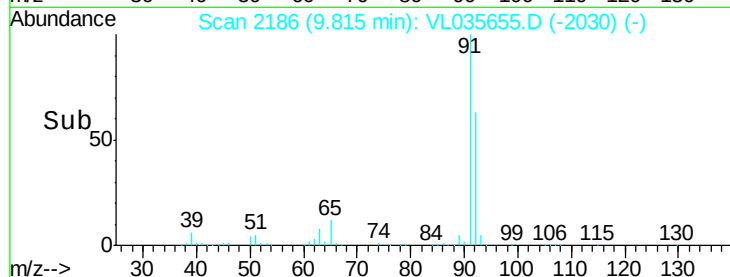
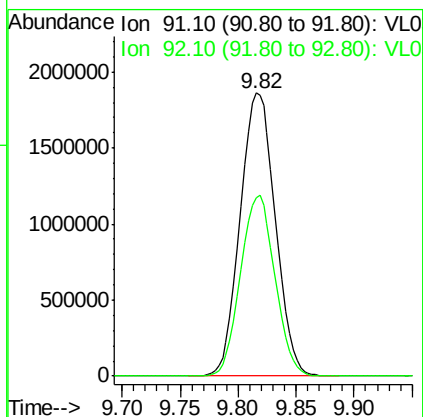
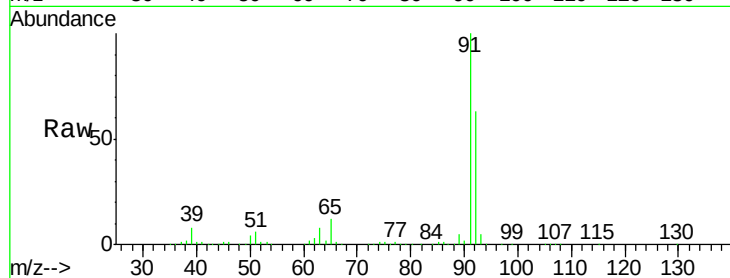
92 62.5 49.8 74.8

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#54

1,2-Dibromoethane

Concen: 10.185 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.01 min

Lab File: VL035655.D

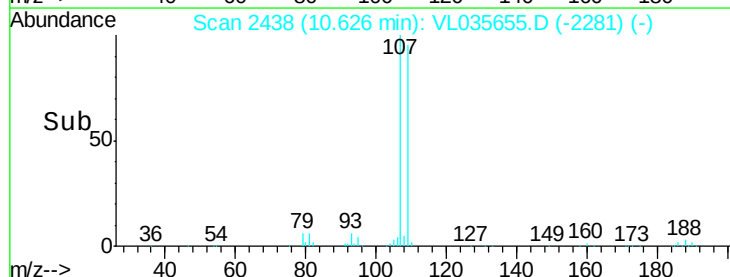
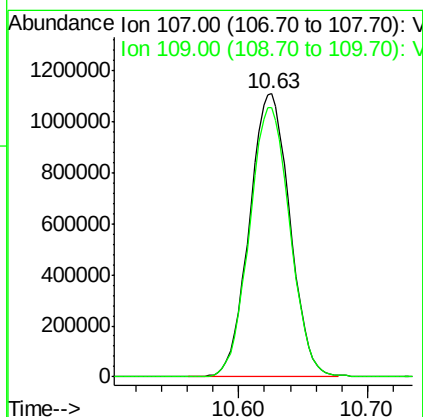
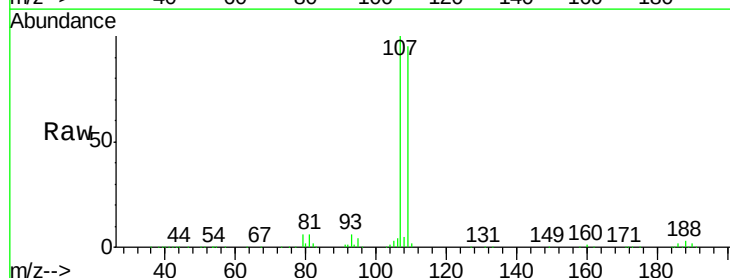
Acq: 17 Sep 2020 12:16

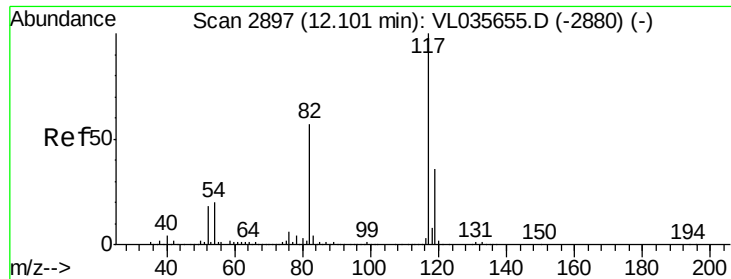
Tgt Ion: 107 Resp: 2415557

Ion Ratio Lower Upper

107 100

109 95.3 77.8 116.8





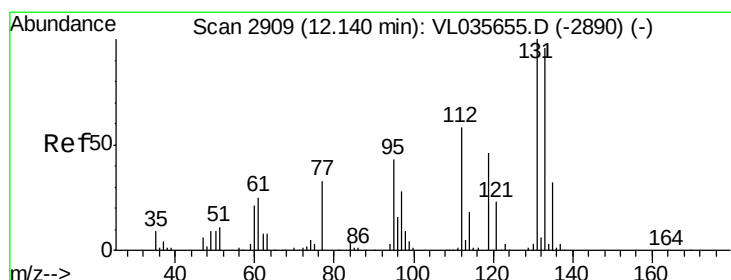
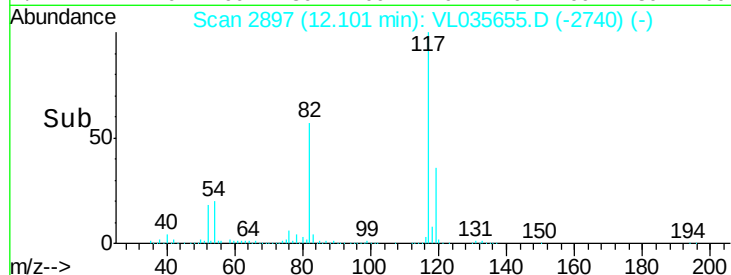
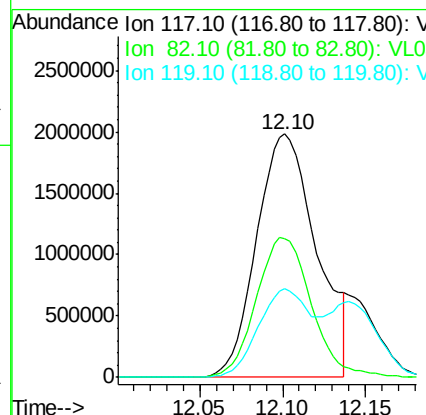
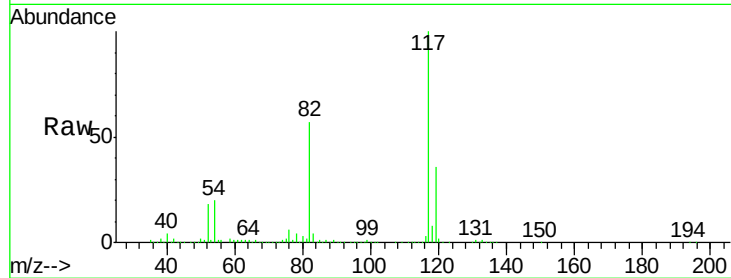
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2897
Delta R.T. 0.01 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 4970745
Ion Ratio Lower Upper
117 100
82 53.0 41.6 62.4
119 35.0 29.3 43.9

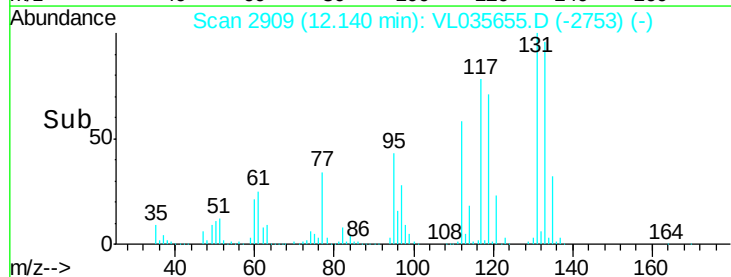
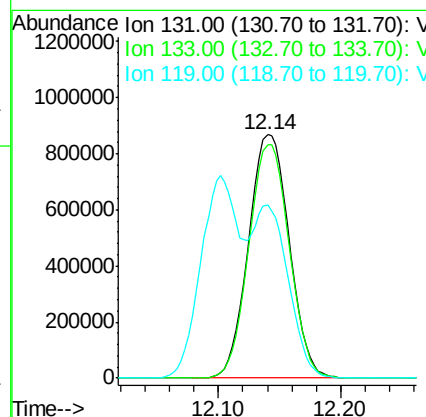
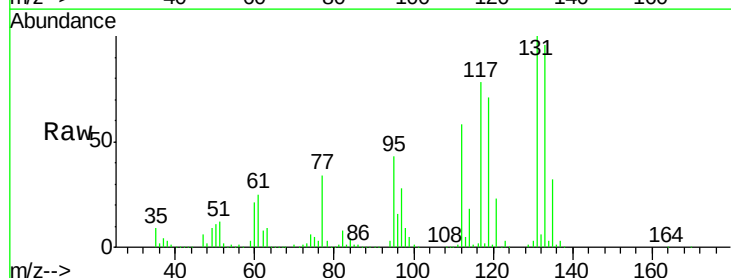
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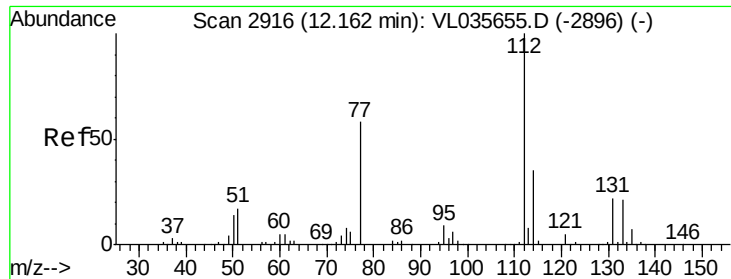
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.905 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Tgt Ion:131 Resp: 2003466
Ion Ratio Lower Upper
131 100
133 95.7 76.6 115.0
119 61.7 51.6 77.4





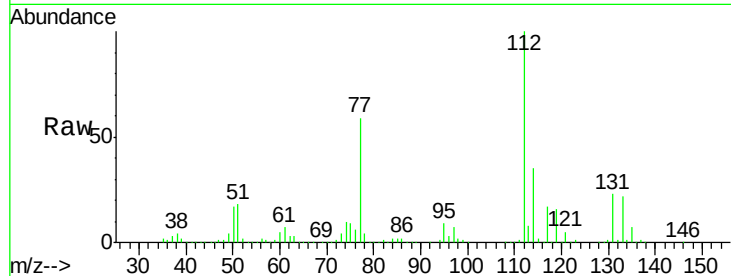
#57
Chlorobenzene
Concen: 9.076 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

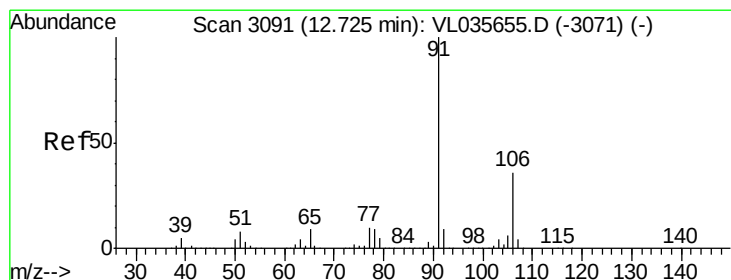
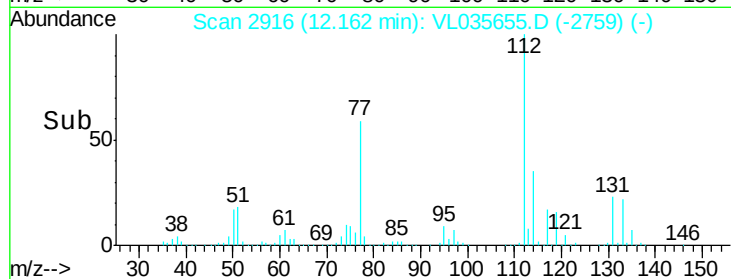
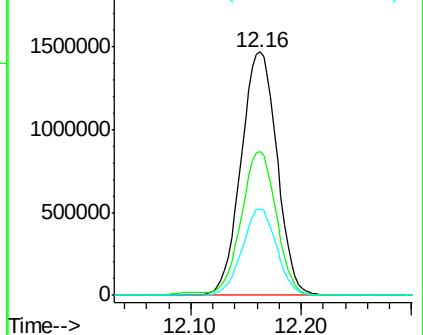
Tot Ion: 112 Resp: 3320179
Ion Ratio Lower Upper
112 100
77 59.1 44.2 66.4
114 35.4 31.6 38.6

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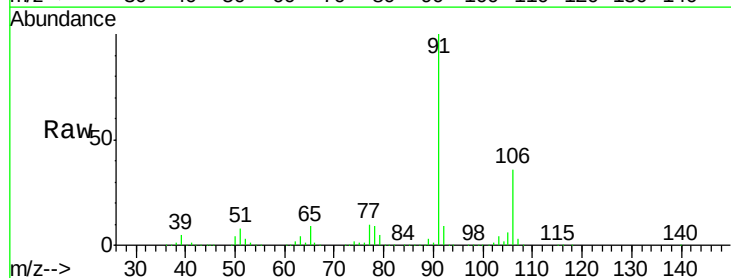


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

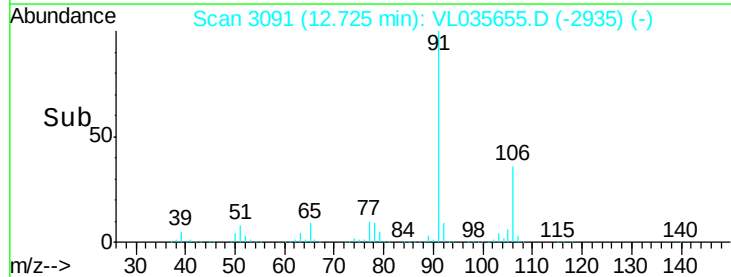
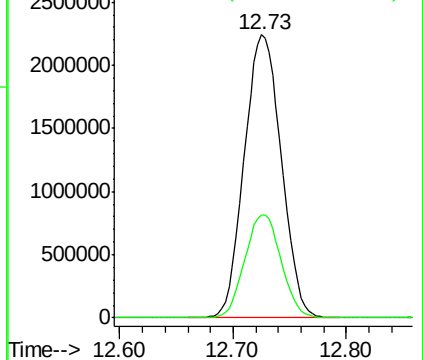


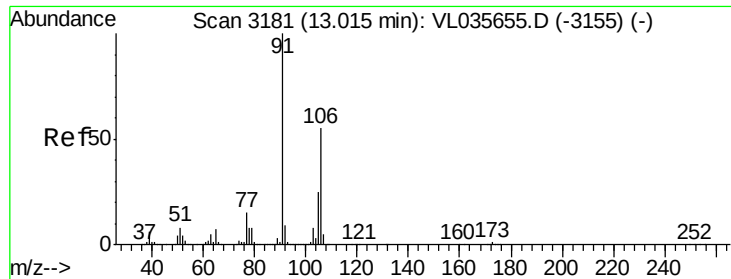
#58
Ethyl Benzene
Concen: 9.946 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. 0.00 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Tgt Ion: 91 Resp: 5098300
Ion Ratio Lower Upper
91 100
106 36.5 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





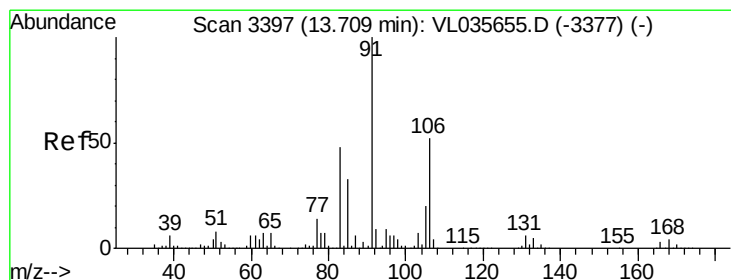
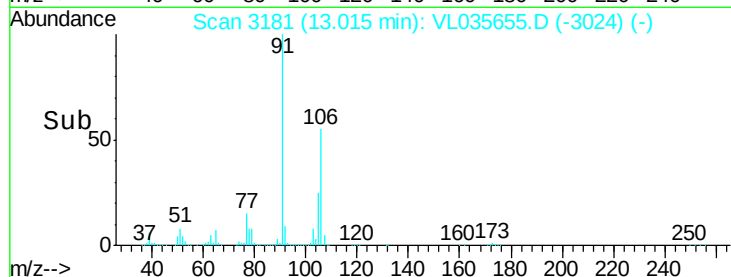
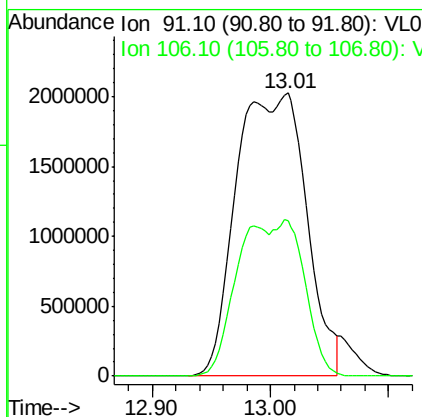
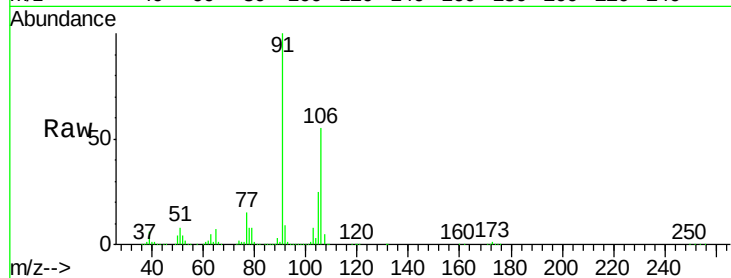
#59
m/p-Xylene
Concen: 19.558 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. 0.01 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8376946
Ion Ratio Lower Upper
91 100
106 52.5 43.4 65.2

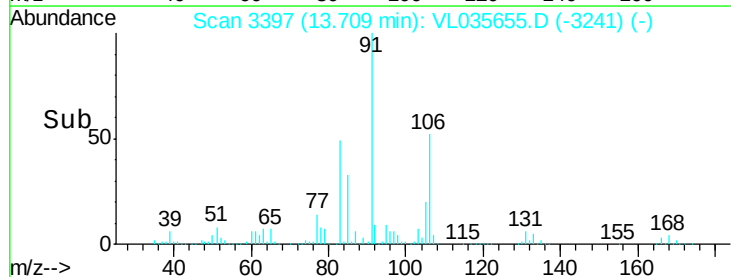
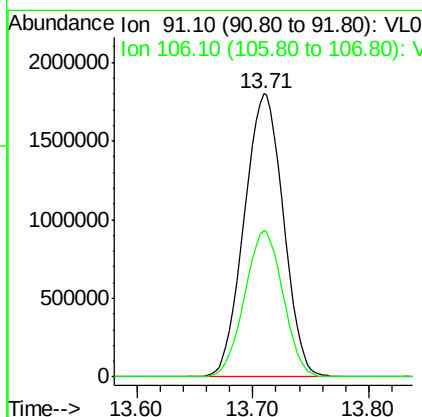
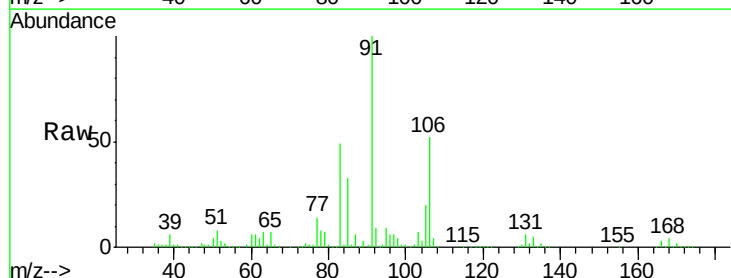
Manual Integrations
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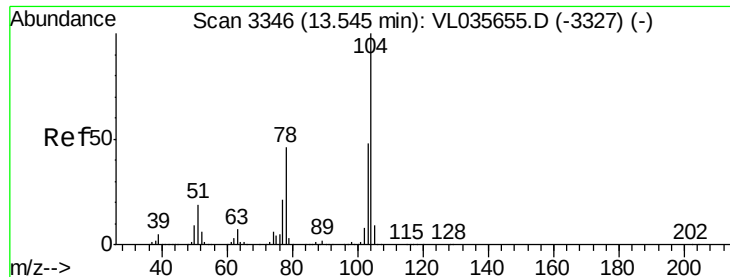
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#60
o-Xylene
Concen: 9.814 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Tgt Ion: 91 Resp: 4233354
Ion Ratio Lower Upper
91 100
106 50.7 25.8 77.4





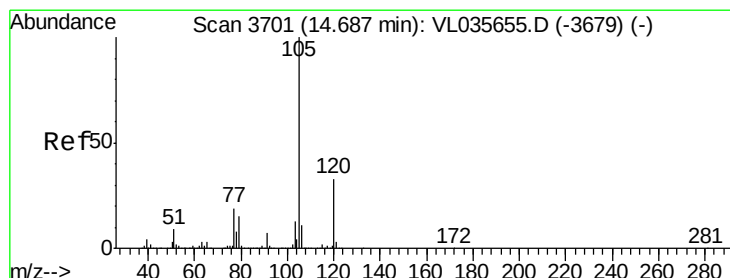
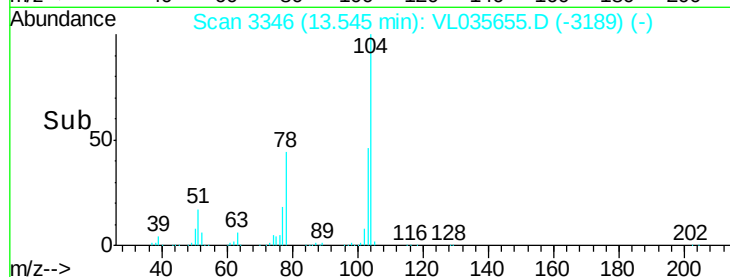
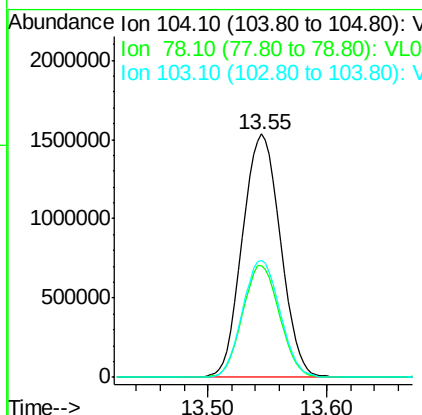
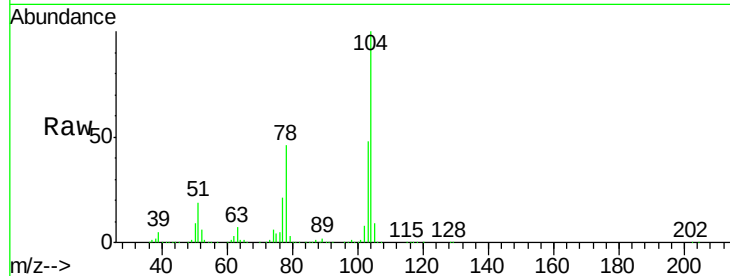
#61
Stvrene
Concen: 10.312 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. 0.01 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	45.0	34.8	52.2
103	47.6	38.2	57.4

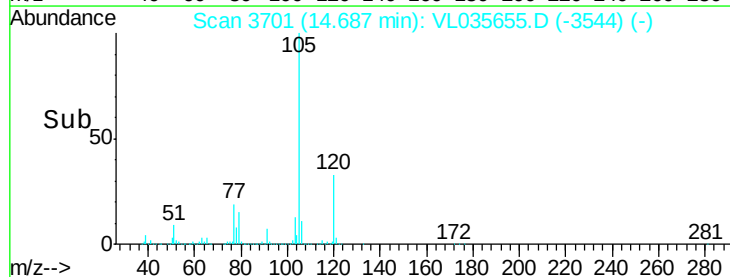
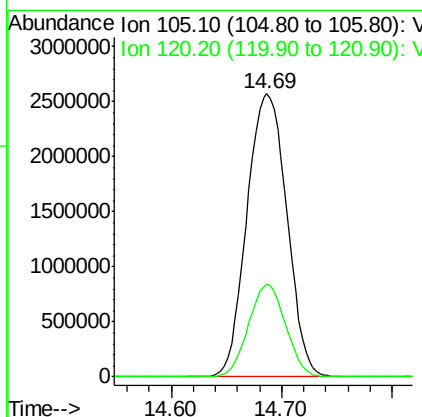
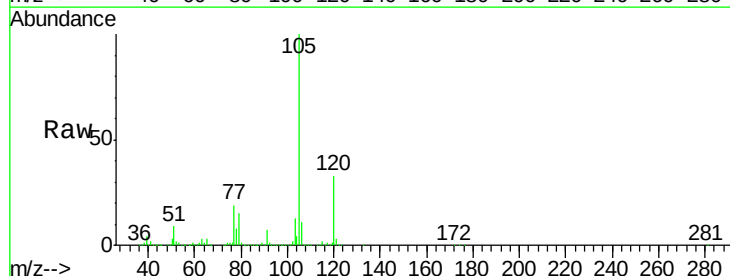
Manual Integrations
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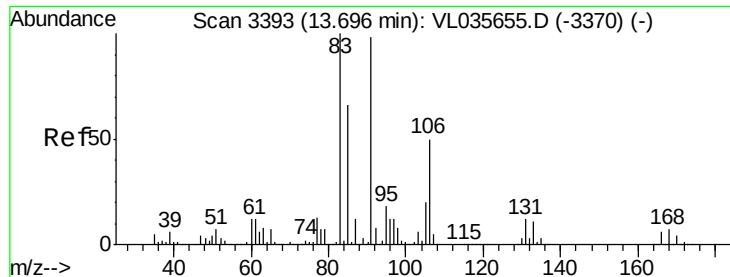
MMDadoda
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#62
Isopropylbenzene
Concen: 9.317 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. 0.01 min
Lab File: VL035655.D
Acq: 17 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.4	25.0	37.4





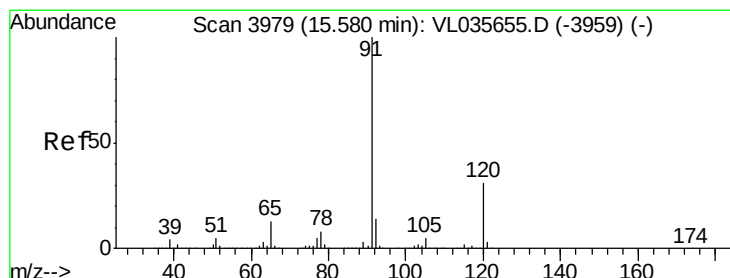
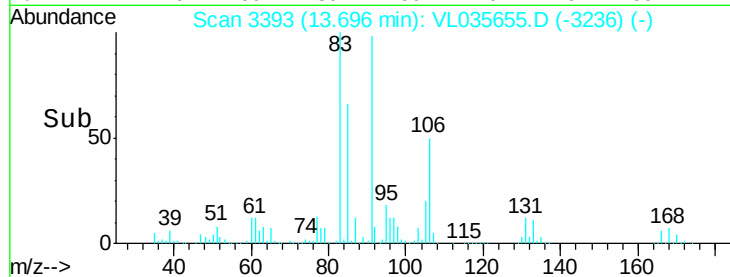
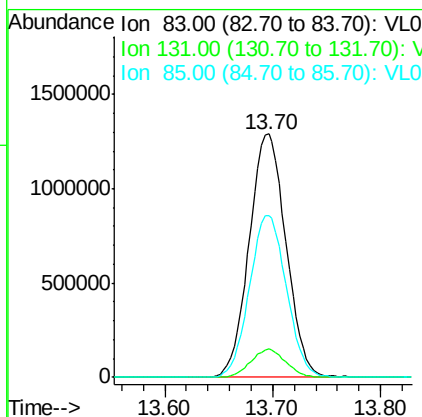
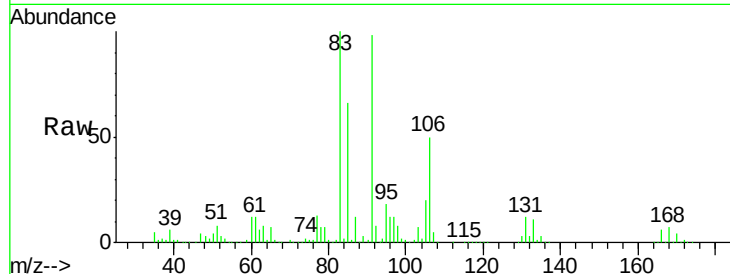
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.150 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. 0.01 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 3060145
 Ion Ratio Lower Upper
 83 100
 131 11.1 6.0 18.0
 85 66.9 33.4 100.2

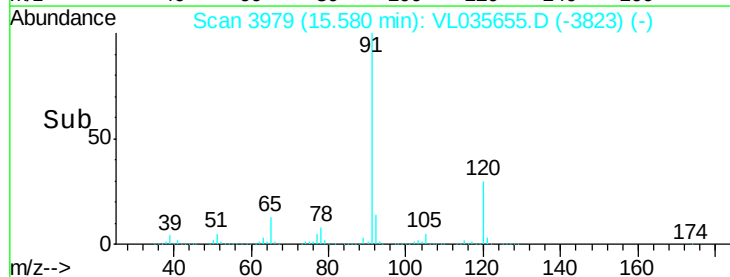
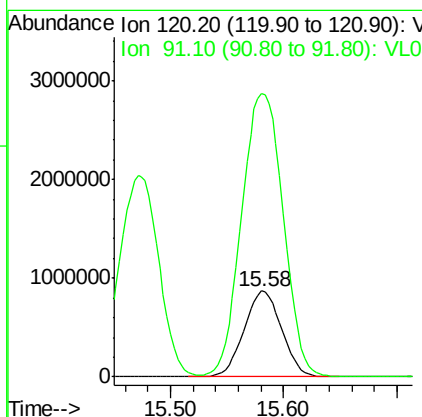
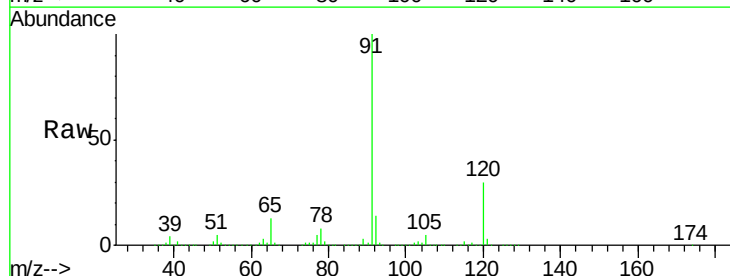
Manual Integrations
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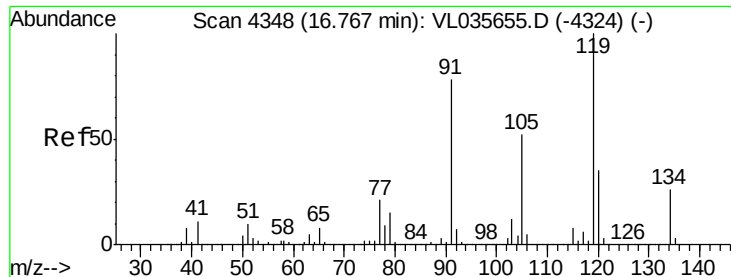
MMDadoda
 9/22/2020 2:11:13 PM



#64
 n-propylbenzene
 Concen: 9.469 ppbv
 RT: 15.58 min Scan# 3979
 Delta R.T. 0.00 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Tgt Ion: 120 Resp: 2002478
 Ion Ratio Lower Upper
 120 100
 91 366.8 279.4 419.0





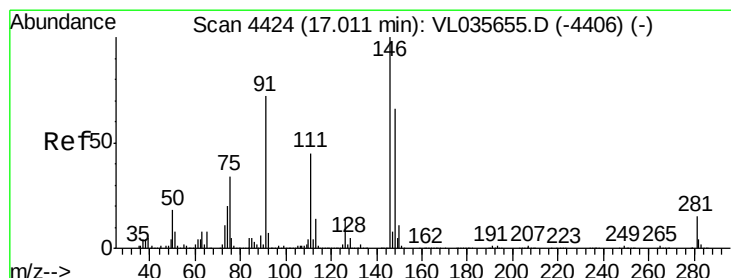
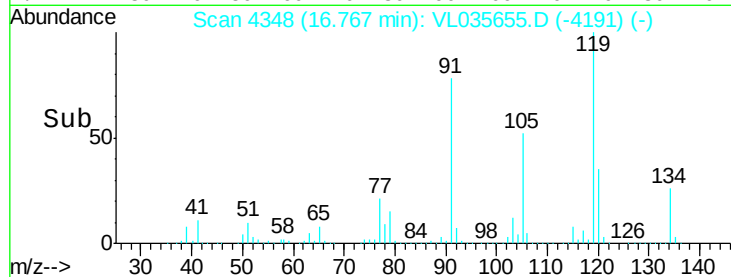
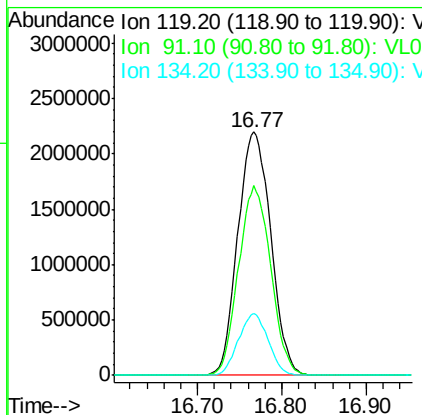
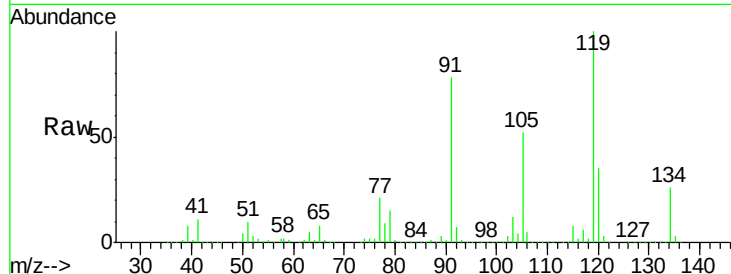
#65
 tert-Butylbenzene
 Concen: 9.295 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. 0.01 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 119 Resp: 5987592
 Ion Ratio Lower Upper
 119 100
 91 76.0 58.6 87.8
 134 23.0 18.9 28.3

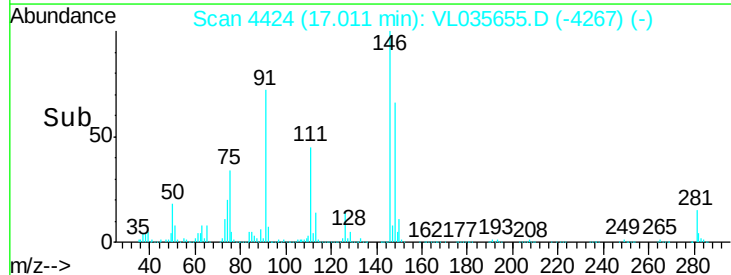
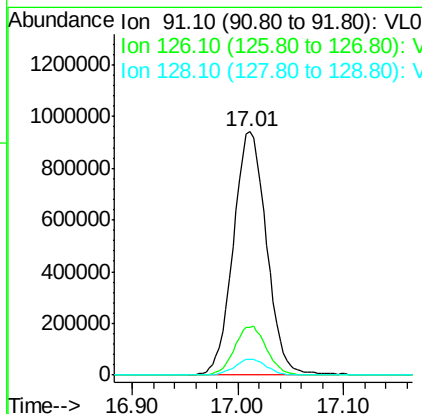
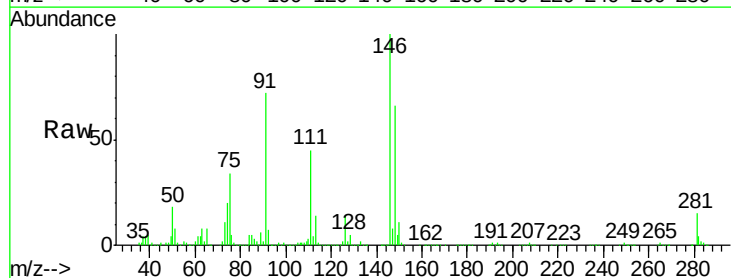
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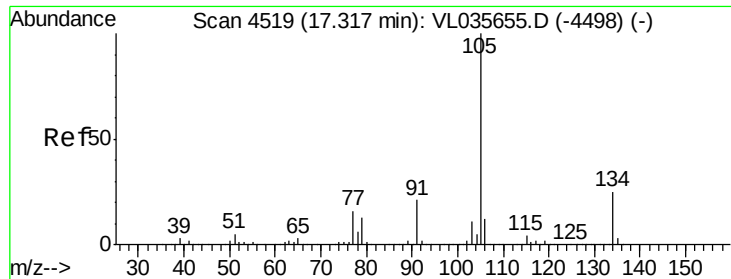
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#66
 Benzyl Chloride
 Concen: 12.815 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. 0.01 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Tgt Ion: 91 Resp: 2051591
 Ion Ratio Lower Upper
 91 100
 126 19.6 17.2 25.8
 128 6.3 5.5 8.3





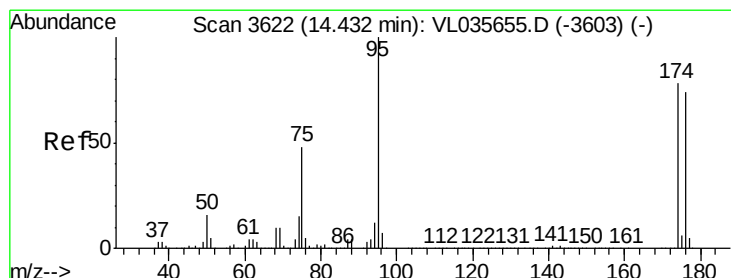
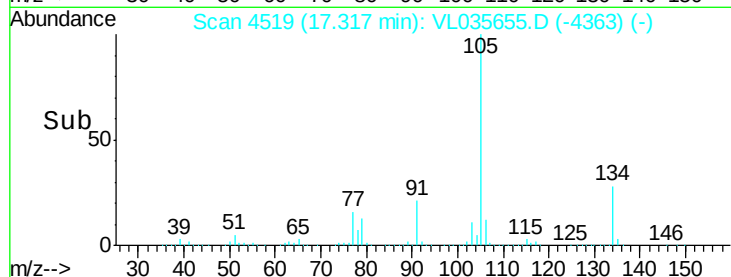
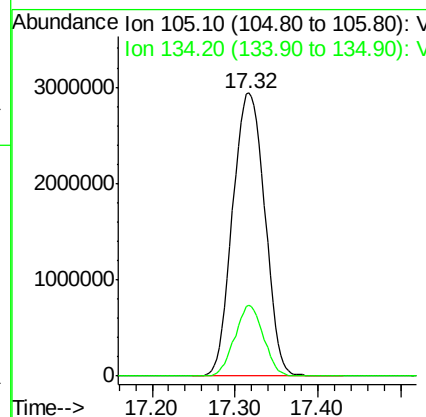
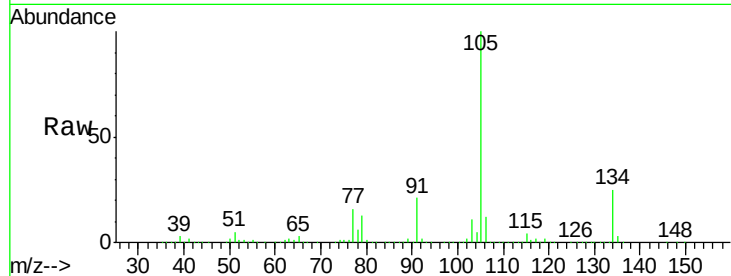
#67
 sec-Butylbenzene
 Concen: 9.243 ppbv
 RT: 17.32 min Scan# 4519
 Delta R.T. 0.00 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 105 Resp: 7932462
 Ion Ratio Lower Upper
 105 100
 134 22.4 19.1 28.7

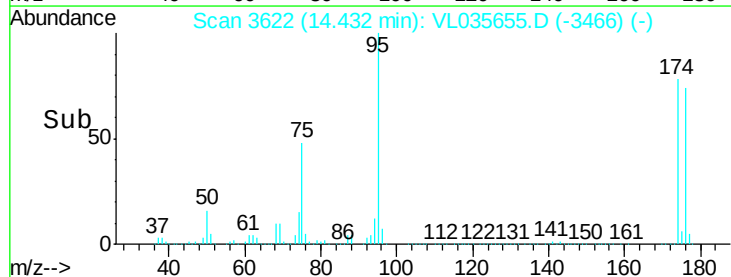
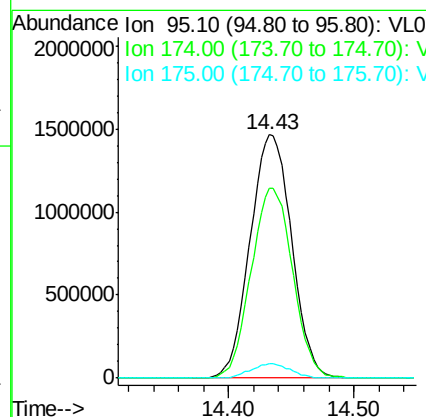
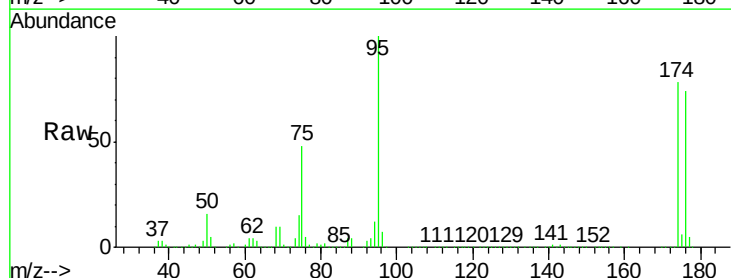
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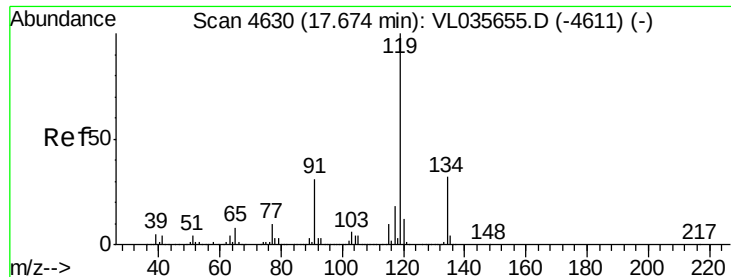
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.566 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Tgt Ion: 95 Resp: 3376664
 Ion Ratio Lower Upper
 95 100
 174 78.3 69.6 104.4
 175 5.7 5.1 7.7





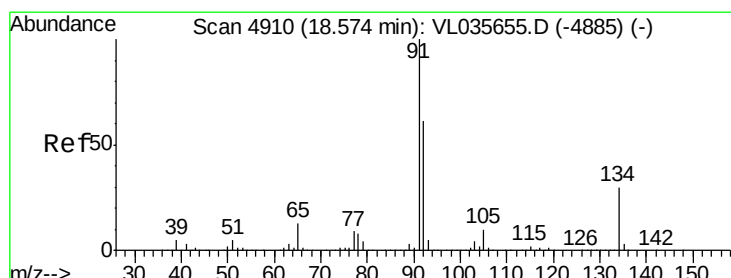
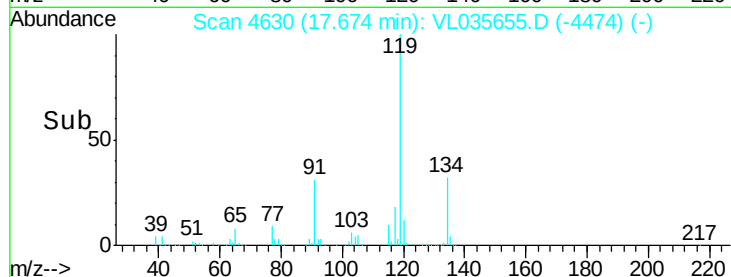
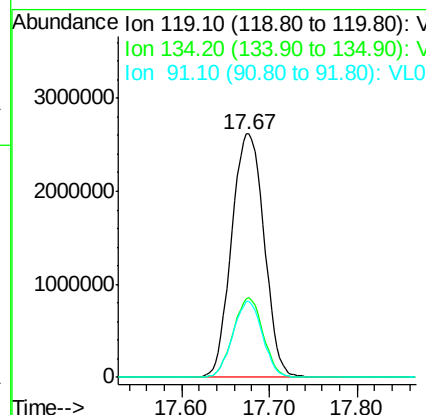
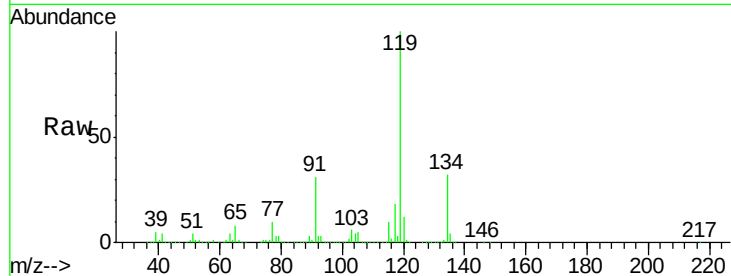
#69
 p-Isopropyltoluene
 Concen: 8.982 ppbv
 RT: 17.67 min Scan# 4630
 Delta R.T. 0.00 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	30.1	25.0	37.4
91	28.6	22.3	33.5

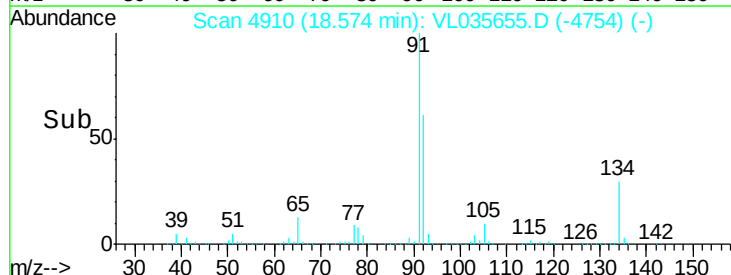
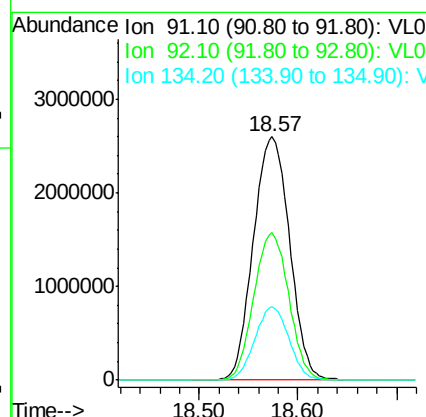
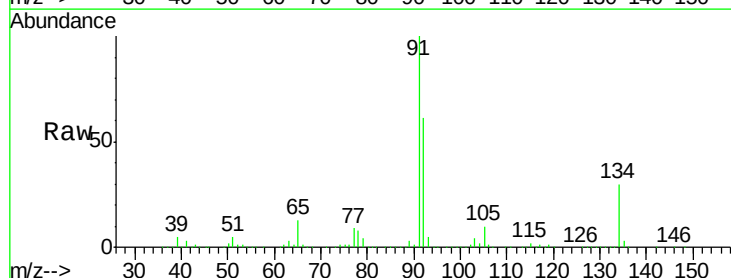
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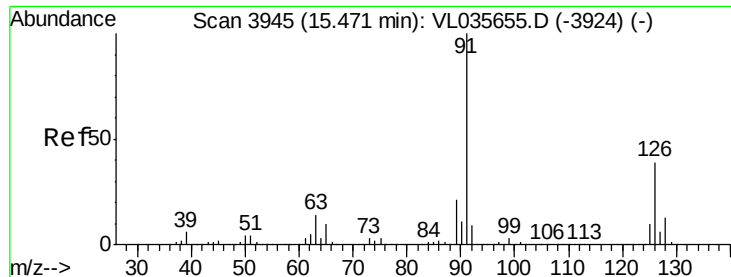
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#70
 n-Butylbenzene
 Concen: 9.090 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. 0.00 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.4	47.3	70.9
134	28.3	24.6	37.0





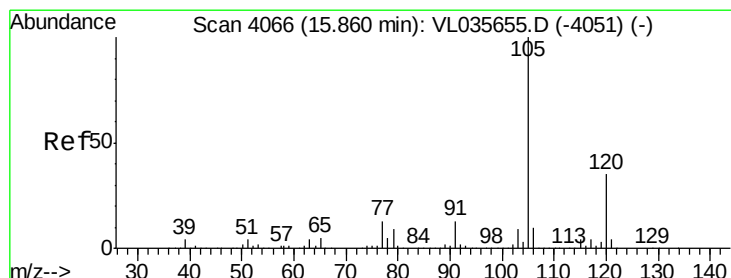
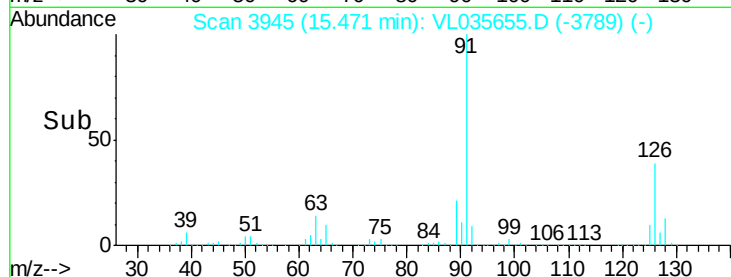
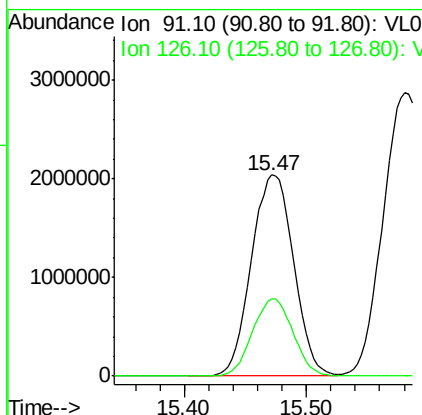
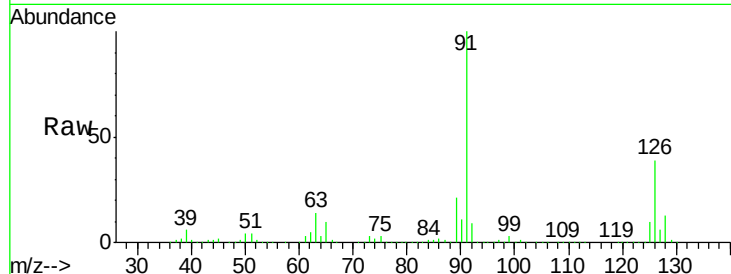
#71
 2-Chlorotoluene
 Concen: 9.725 ppbv
 RT: 15.47 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 4907458
 Ion Ratio Lower Upper
 91 100
 126 36.9 15.6 62.6

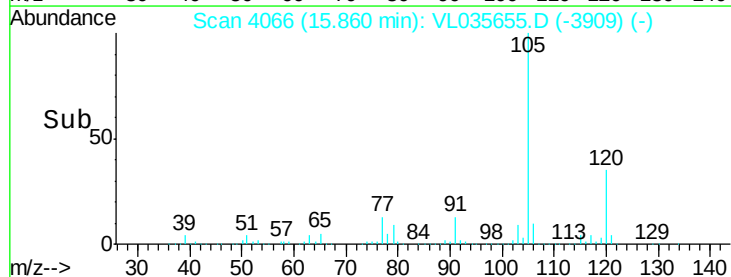
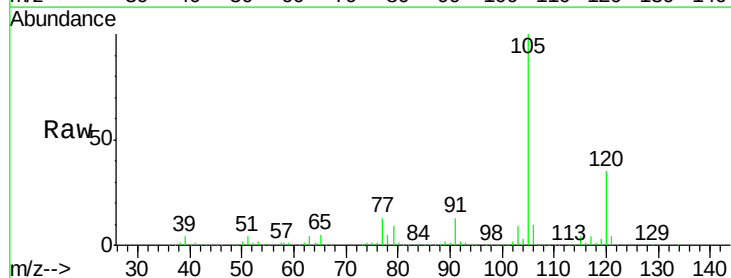
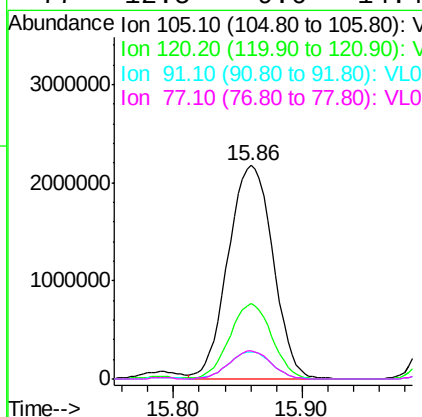
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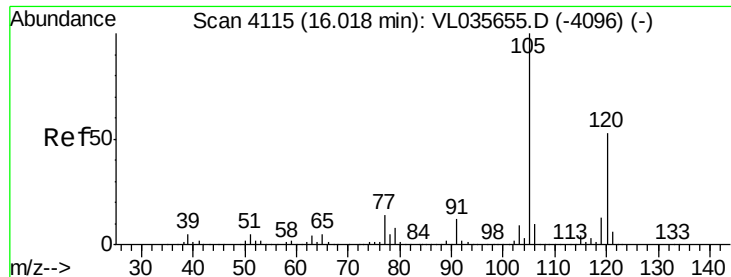
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#72
 4-Ethyltoluene
 Concen: 9.579 ppbv
 RT: 15.86 min Scan# 4066
 Delta R.T. 0.01 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Tgt Ion: 105 Resp: 5253137
 Ion Ratio Lower Upper
 105 100
 120 33.5 27.4 41.2
 91 12.3 9.7 14.5
 77 12.5 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 9.621 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4880033

Ion Ratio Lower Upper

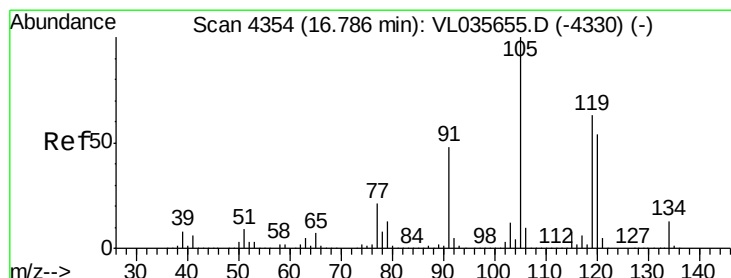
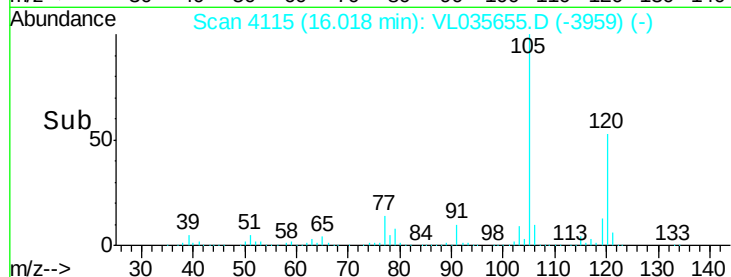
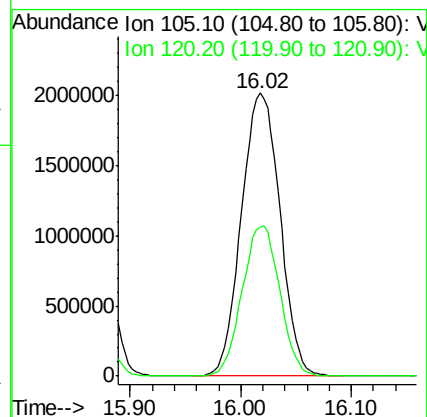
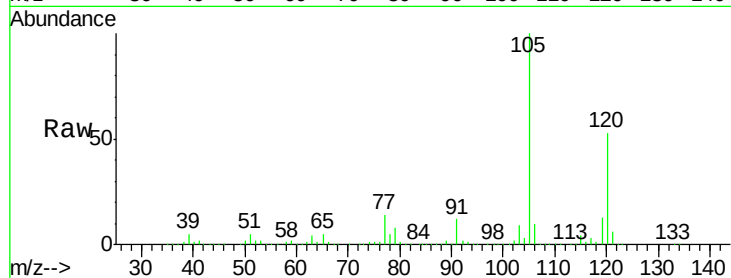
105 100

120 52.6 44.2 66.2

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#74

1,2,4-Trimethylbenzene

Concen: 9.094 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

Tgt Ion:105 Resp: 5065529

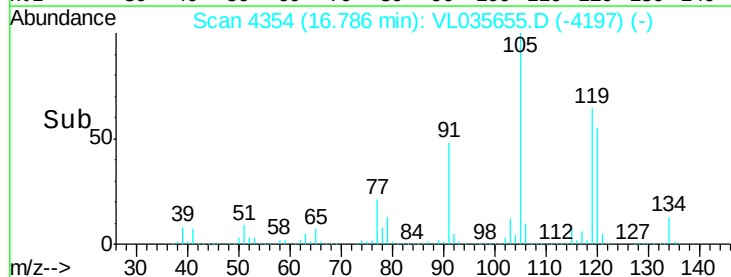
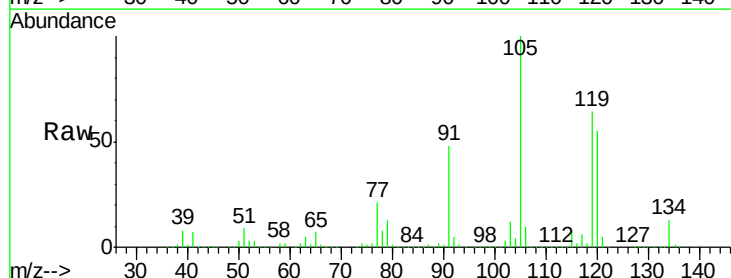
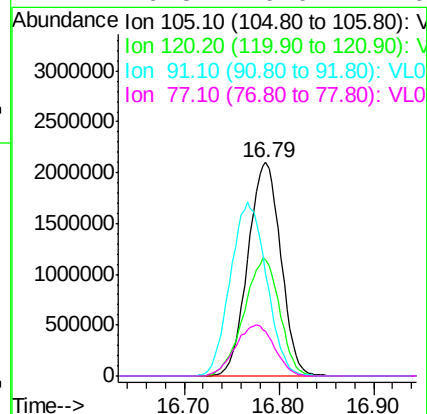
Ion Ratio Lower Upper

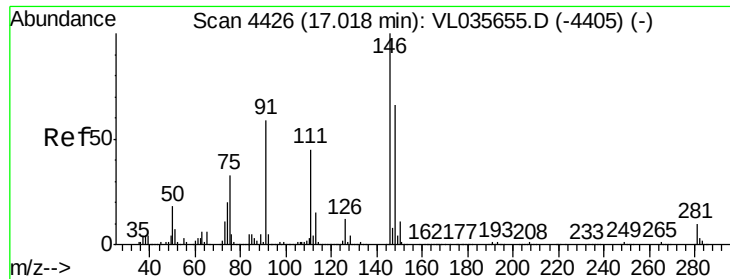
105 100

120 54.5 44.4 66.6

91 47.8 37.1 55.7

77 20.8 16.0 24.0





#75

1,3-Dichlorobenzene

Concen: 8.332 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 3438010

Ion Ratio Lower Upper

146 100

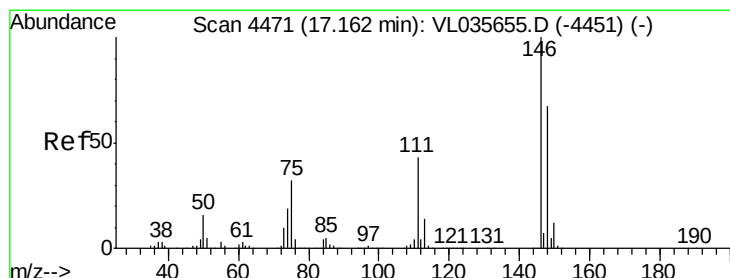
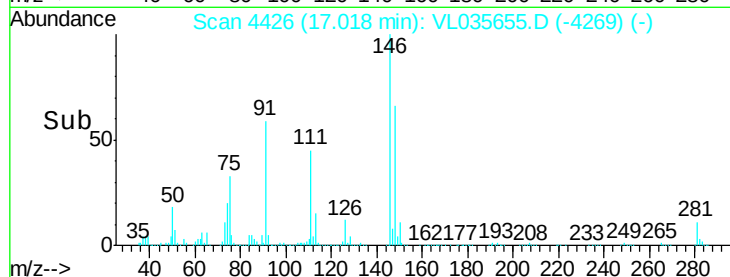
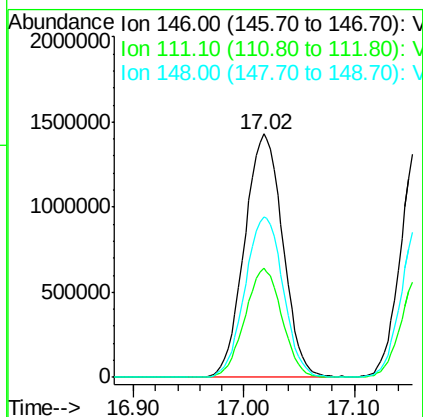
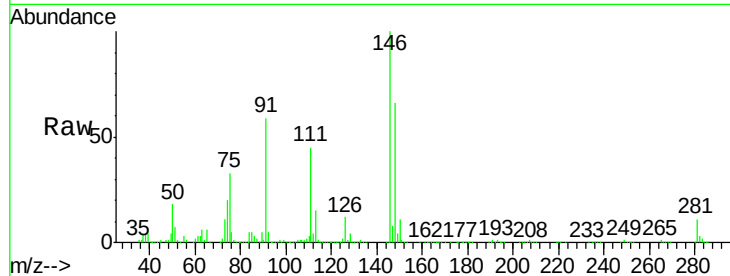
111 43.4 20.7 62.1

148 65.9 33.0 98.9

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#76

1,4-Dichlorobenzene

Concen: 8.533 ppbv

RT: 17.16 min Scan# 4471

Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

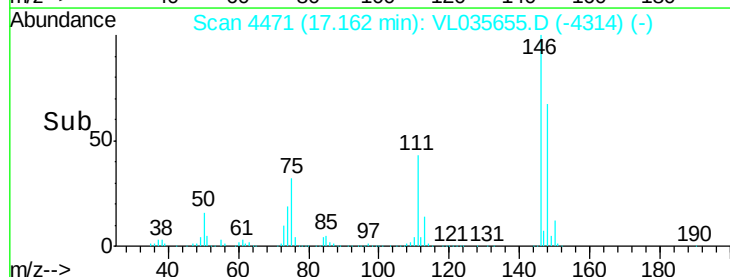
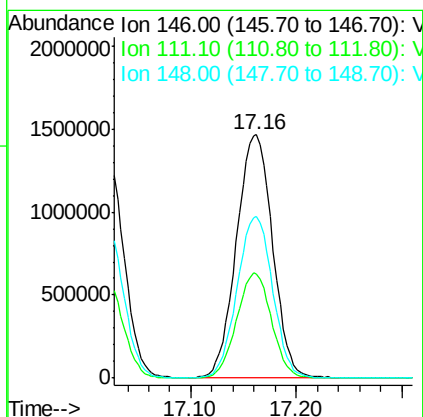
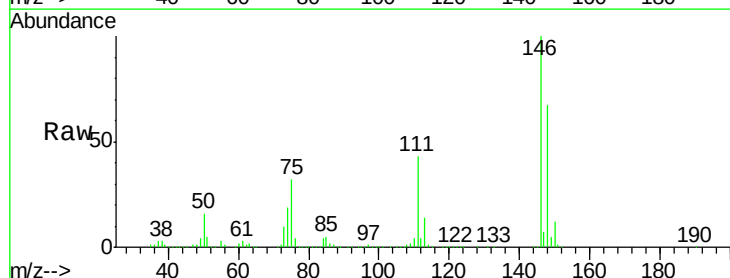
Tgt Ion:146 Resp: 3472230

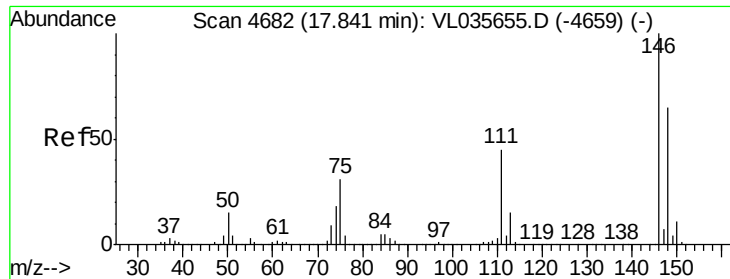
Ion Ratio Lower Upper

146 100

111 41.9 20.0 60.0

148 66.0 33.2 99.6





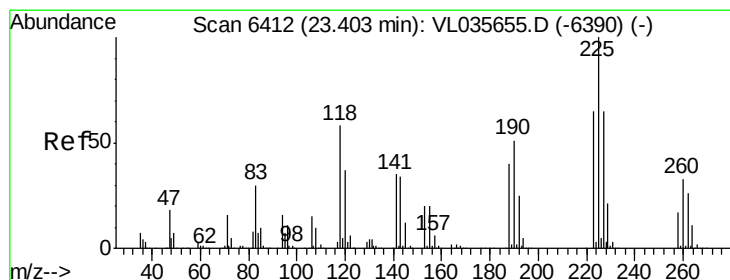
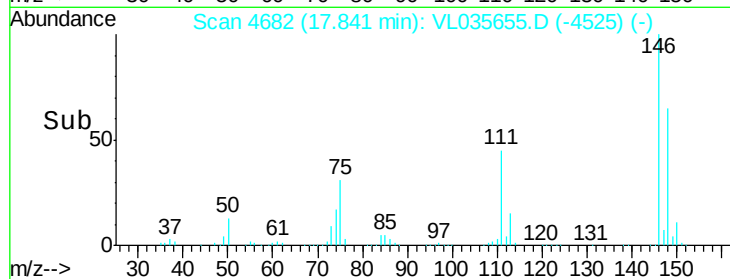
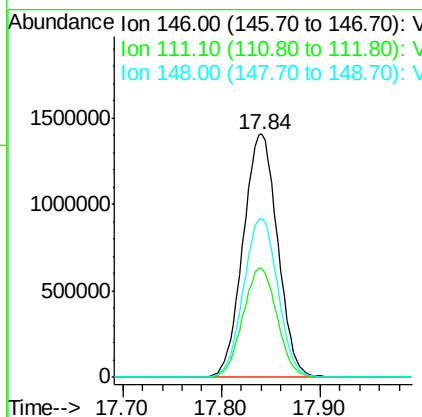
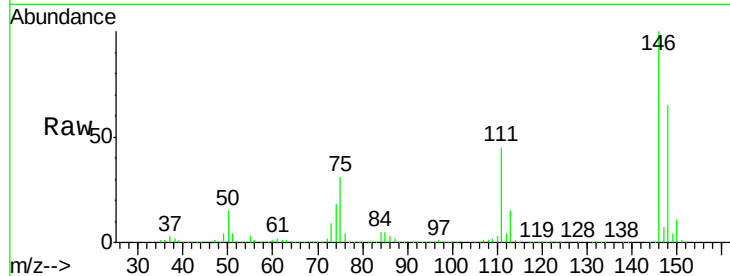
#77
 1,2-Dichlorobenzene
 Concen: 8.513 ppbv
 RT: 17.84 min Scan# 4682
 Delta R.T. 0.01 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.1	63.3
148	65.1	32.9	98.7

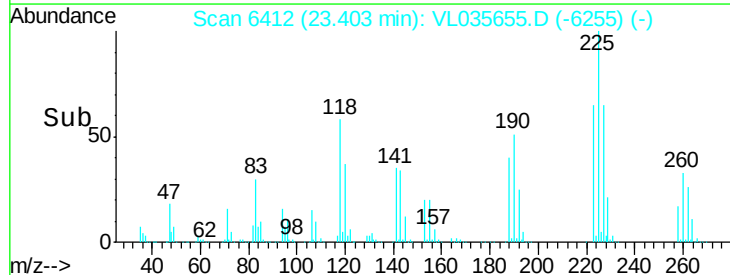
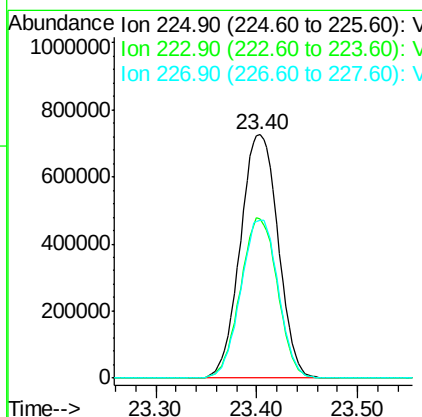
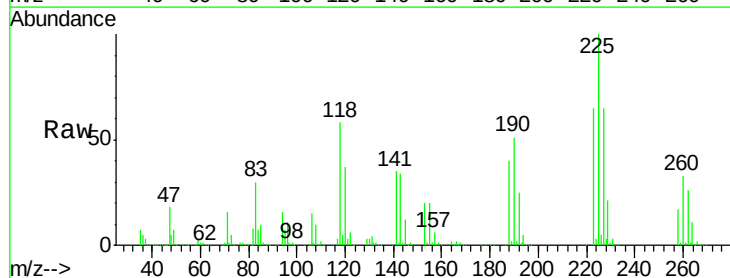
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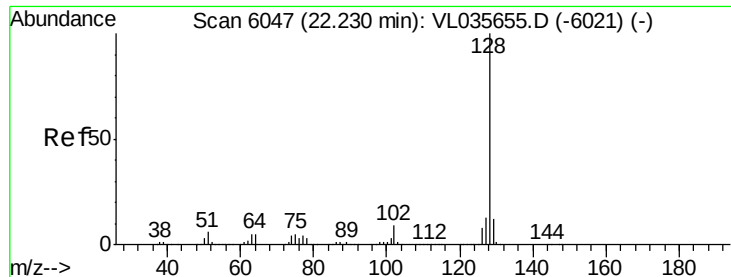
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.388 ppbv
 RT: 23.40 min Scan# 6412
 Delta R.T. 0.01 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.7	77.5
227	64.2	51.5	77.3





#79

Naphthalene

Concen: 8.538 ppbv

RT: 22.23 min Scan# 6047

Delta R.T. 0.01 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 5277560

Ion Ratio Lower Upper

128 100

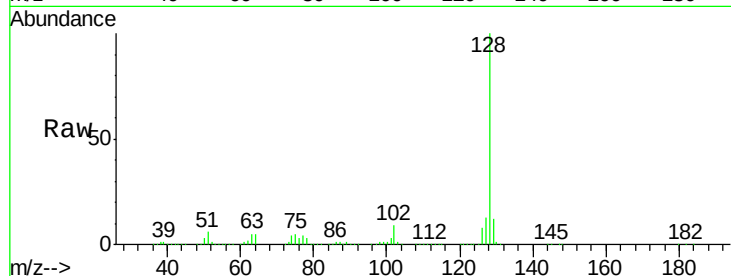
127 13.2 11.4 17.2

129 12.1 10.5 15.7

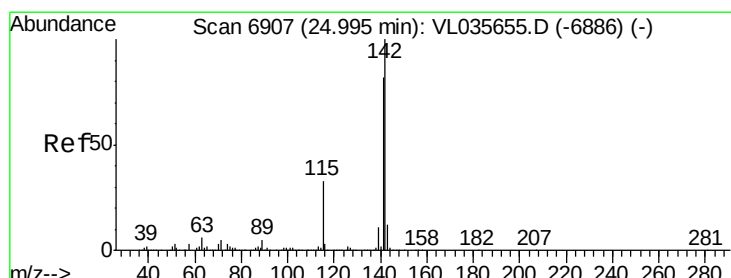
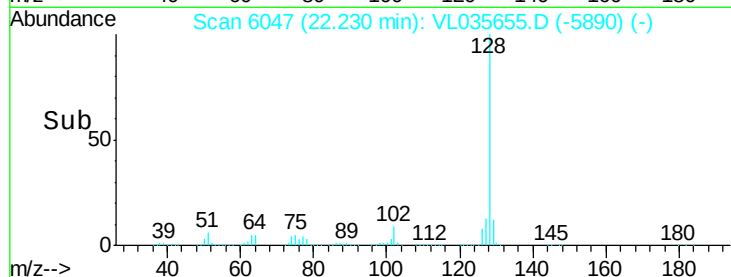
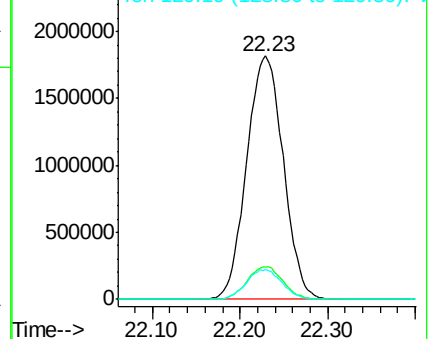
Manual Integrations
APPROVED

MMDadoda

9/22/2020 2:11:13 PM



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 7.263 ppbv

RT: 24.99 min Scan# 6907

Delta R.T. 0.00 min

Lab File: VL035655.D

Acq: 17 Sep 2020 12:16

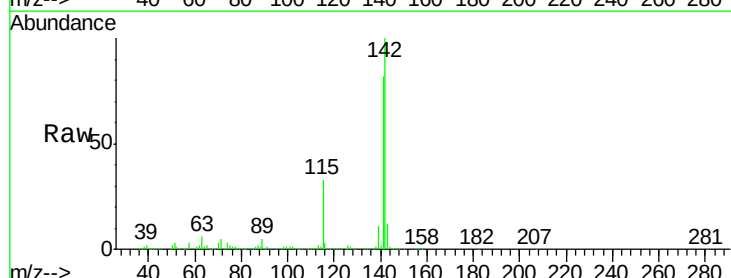
Tgt Ion:142 Resp: 1532211

Ion Ratio Lower Upper

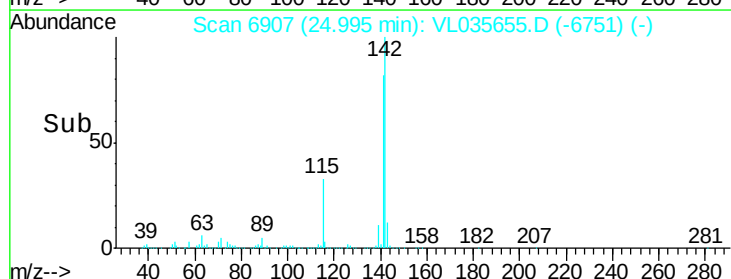
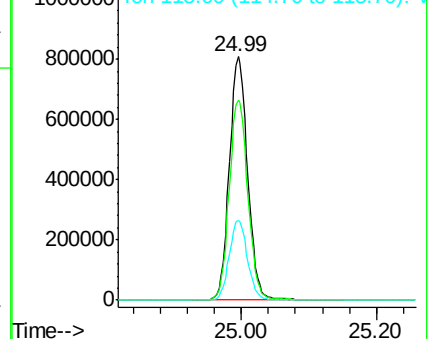
142 100

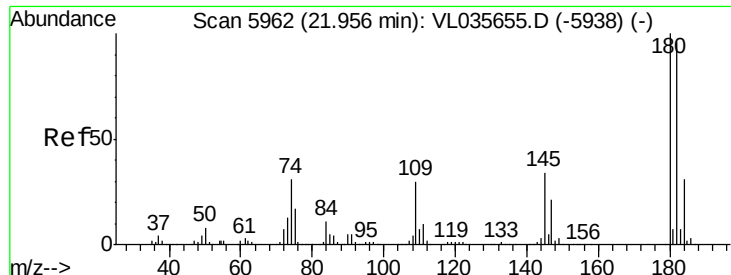
141 84.3 67.6 101.4

115 33.0 25.8 38.8



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.681 ppbv
 RT: 21.96 min Scan# 5962
 Delta R.T. 0.00 min
 Lab File: VL035655.D
 Acq: 17 Sep 2020 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.3	114.5
184	31.1	25.3	37.9

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:11:13 PM

