

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035830.D
 Acq On : 4 Nov 2020 12:07
 Operator : SY/AP
 Sample : VL1104ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01

Manual Integrations
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 11/5/2020 2:16:28 PM

Quant Time: Nov 05 03:26:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	995883	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4489099	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4517714m	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	3020181	9.41	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1662181	8.865	ppbv	100
3) Chlorodifluoromethane	2.96	51	1143186	9.586	ppbv	98
4) Chloromethane	3.11	50	563159	9.720	ppbv	98
5) Vinyl Chloride	3.23	62	720673	9.758	ppbv	100
6) Bromomethane	3.45	94	615395	10.361	ppbv	98
7) Chloroethane	3.53	64	273313	10.515	ppbv	96
8) Dichlorotetrafluoroethane	3.16	85	2148989	10.015	ppbv	99
9) Propene	2.98	41	422678	9.683	ppbv	97
10) Heptane	8.10	43	1203988	9.986	ppbv	98
11) Trichlorofluoromethane	3.92	101	2405998	10.219	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1813105	10.344	ppbv	98
13) Ethanol	3.58	45	84791	8.954	ppbv	98
14) Bromoethene	3.71	108	843757	10.459	ppbv	100
15) Acetone	3.82	43	966883	9.081	ppbv	100
16) 1,3-Butadiene	3.30	39	447321	9.759	ppbv	99
17) tert-Butyl alcohol	4.27	59	1459575	10.344	ppbv	100
18) 1,1-Dichloroethene	4.26	96	839582	10.432	ppbv	97
19) Isopropyl Alcohol	3.94	45	670790	10.252	ppbv #	97
20) Methylene Chloride	4.32	84	691161	9.222	ppbv	98
21) Allyl Chloride	4.38	41	607039	10.543	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	868408	10.644	ppbv	97
23) Vinyl Acetate	5.04	43	1450239	9.717	ppbv	98
24) 1,1-Dichloroethane	4.98	63	1416608	9.963	ppbv	99
25) Ethyl Acetate	5.65	43	2058303	9.813	ppbv	99
26) Hexane	5.66	57	1143197	9.883	ppbv	97
27) Carbon Disulfide	4.52	76	1809261	10.439	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2117024	10.191	ppbv	98
29) Chloroform	5.73	83	2306568	10.145	ppbv	98
30) Cyclohexane	7.10	84	1294710	10.277	ppbv	95
31) cis-1,2-Dichloroethene	5.52	61	1229650	10.333	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	2354543	9.924	ppbv	99
34) 2-Butanone	5.21	43	1317589	9.044	ppbv	96
35) Carbon Tetrachloride	6.99	117	2342040	9.765	ppbv	98
36) Benzene	6.86	78	3053723	9.150	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1442166	9.539	ppbv	99
38) Trichloroethene	7.81	130	1461745	8.967	ppbv	98
39) 1,2-Dichloropropane	7.58	63	1002531	8.923	ppbv	98
40) 1,4-Dioxane	7.80	88	503180	9.449	ppbv	87
41) Tetrahydrofuran	6.02	42	770336	9.307	ppbv	92
42) Bromodichloromethane	7.76	83	2475603	9.704	ppbv	100
43) Methyl Methacrylate	7.98	69	1230214	9.664	ppbv	96

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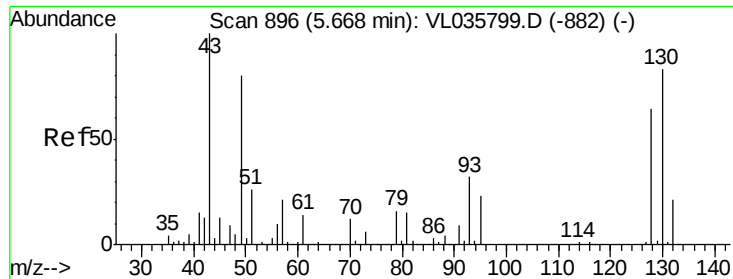
Manual Integrations
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Quant Time: Nov 05 03:26:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3875269	8.775	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1388813	10.292	ppbv	98
46) cis-1,3-Dichloropropene	8.67	75	1688492	9.880	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1418176	9.263	ppbv	99
48) Dibromochloromethane	10.28	129	2353017	10.060	ppbv	100
49) Bromoform	13.01	173	2012999	10.199	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	2017714	9.057	ppbv	97
51) 2-Hexanone	10.11	43	1657560	9.262	ppbv #	96
52) Tetrachloroethene	11.19	164	1413563	8.940	ppbv	99
53) Toluene	9.78	91	3761609	9.341	ppbv	100
54) 1,2-Dibromoethane	10.58	107	2211529	9.498	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	1820294	8.977	ppbv	99
57) Chlorobenzene	12.12	112	3024847	8.421	ppbv	98
58) Ethyl Benzene	12.68	91	4802276	8.728	ppbv	99
59) m/p-Xylene	12.97	91	7963837m	17.107	ppbv	
60) o-Xylene	13.67	91	3848232	8.498	ppbv	99
61) Styrene	13.50	104	3082156	9.289	ppbv	98
62) Isopropylbenzene	14.64	105	5942721	8.349	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	2628248	7.490	ppbv	100
64) n-propylbenzene	15.54	120	1779215	8.648	ppbv	95
65) tert-Butylbenzene	16.72	119	5287513	8.161	ppbv	98
66) Benzyl Chloride	16.96	91	1855158	8.663	ppbv	98
67) sec-Butylbenzene	17.27	105	7043094	8.067	ppbv	99
69) p-Isopropyltoluene	17.63	119	5900757	8.190	ppbv	99
70) n-Butylbenzene	18.53	91	5611499	8.088	ppbv	99
71) 2-Chlorotoluene	15.43	91	4403937	8.459	ppbv	98
72) 4-Ethyltoluene	15.82	105	4692430	8.544	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4301962	8.559	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	4380049	8.133	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2860058	8.340	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2888789	8.733	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2803630	8.387	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1291265	8.279	ppbv	100
79) Naphthalene	22.17	128	3443311	9.171	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	741488	12.119	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	1874047	8.934	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL035830.D

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MSVOA_L

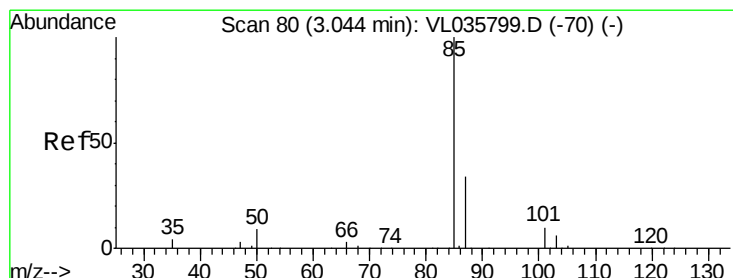
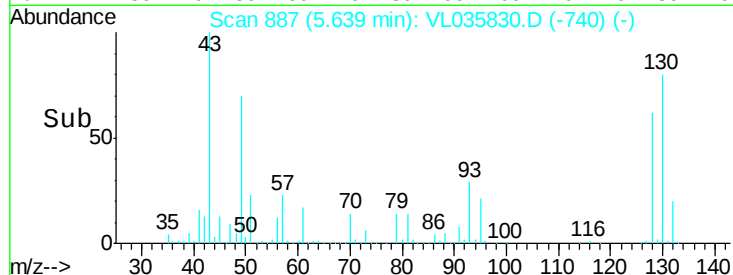
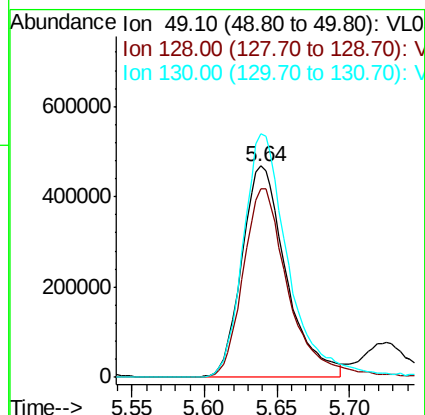
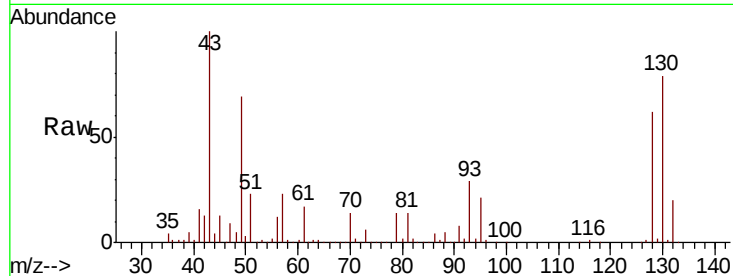
ClientSampleId :

VL1104ABS01

Tot Ion:	49	Resp:	995883
Ion	Ratio	Lower	Upper
49	100		
128	92.6	41.5	124.6
130	119.0	53.7	161.1

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#2

Dichlorodifluoromethane

Concen: 8.865 ppbv

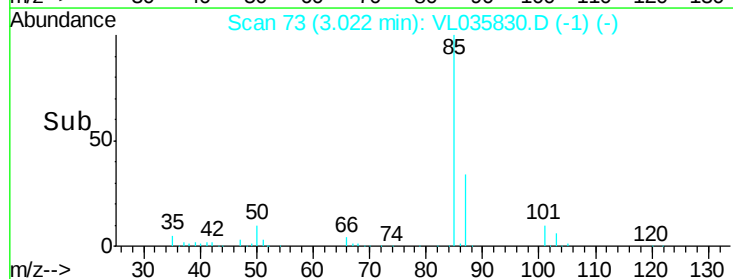
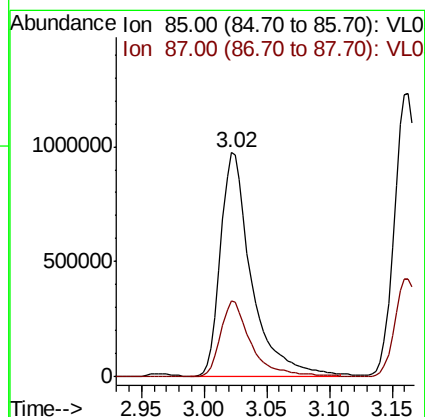
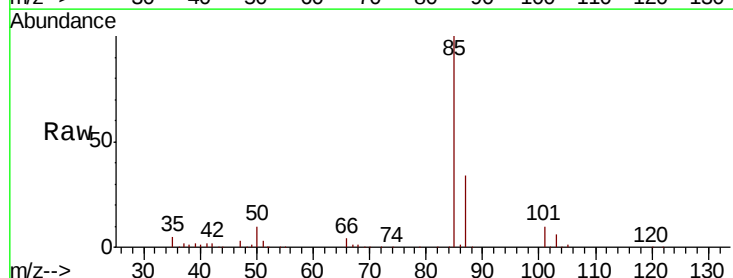
RT: 3.02 min Scan# 73

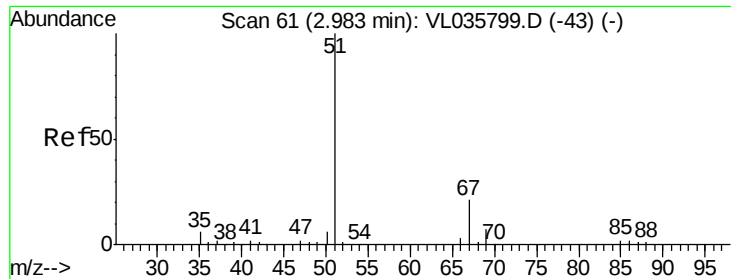
Delta R.T. -0.02 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Tgt Ion:	85	Resp:	1662181
Ion	Ratio	Lower	Upper
85	100		
87	33.7	27.1	40.7





#3

Chlorodifluoromethane

Concen: 9.586 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.02 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Tot Ion: 51 Resp: 1143186

Ion Ratio Lower Upper

51 100

67 22.2 17.0 25.4

Instrument :

MSVOA_L

ClientSampleId :

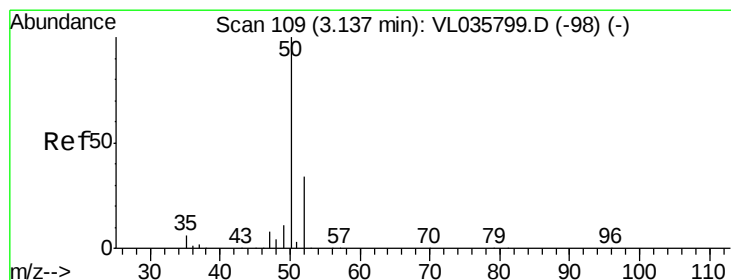
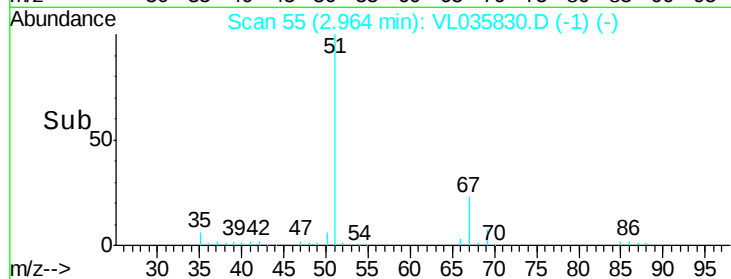
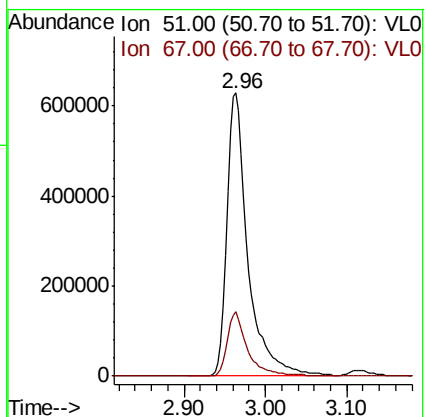
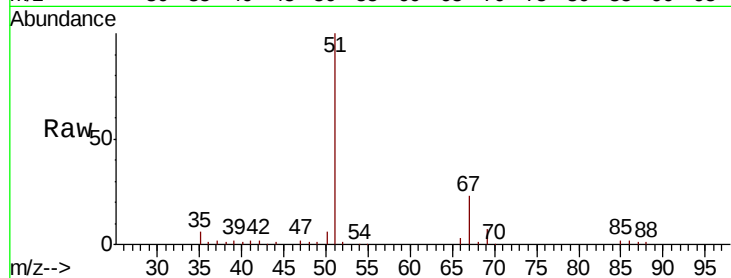
VL1104ABS01

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#4

Chloromethane

Concen: 9.720 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.02 min

Lab File: VL035830.D

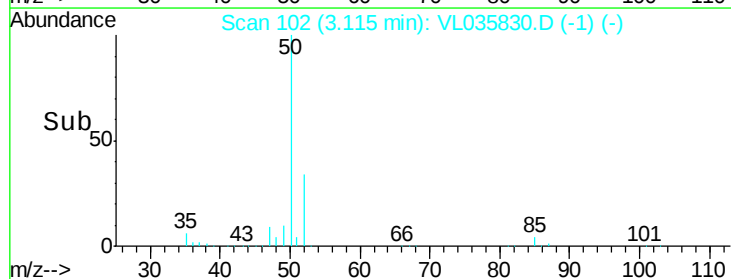
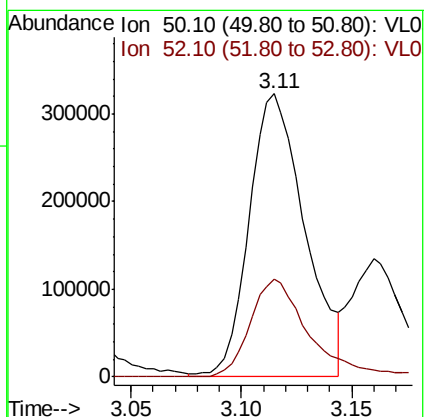
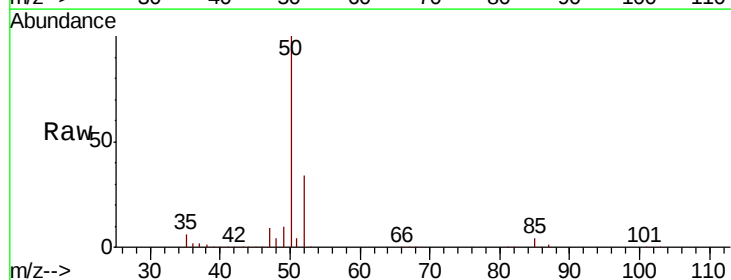
Acq: 4 Nov 2020 12:07

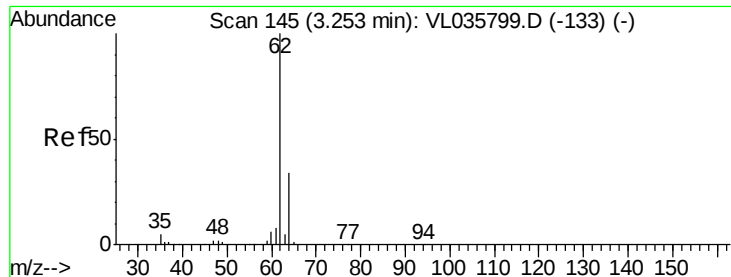
Tgt Ion: 50 Resp: 563159

Ion Ratio Lower Upper

50 100

52 34.9 27.1 40.7





#5

Vinyl Chloride

Concen: 9.758 ppbv

RT: 3.23 min Scan# 138

Delta R.T. -0.02 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tot Ion: 62 Resp: 720673

Ion Ratio Lower Upper

62 100

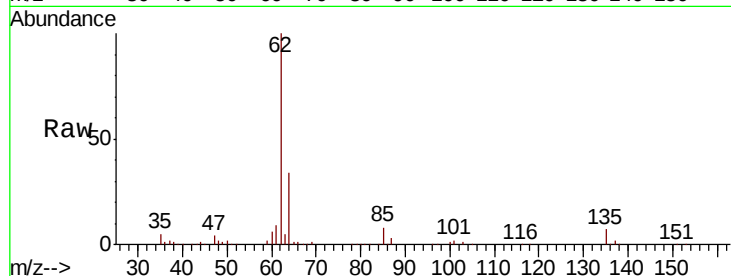
64 33.8 26.9 40.3

Manual Integrations

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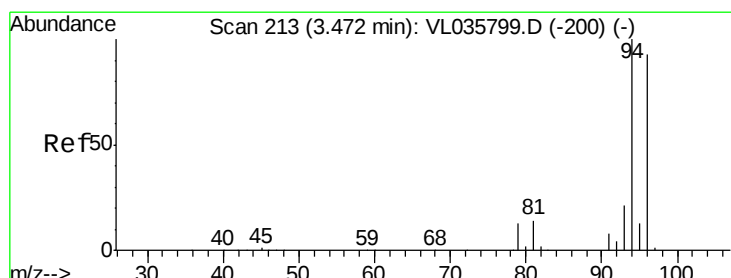
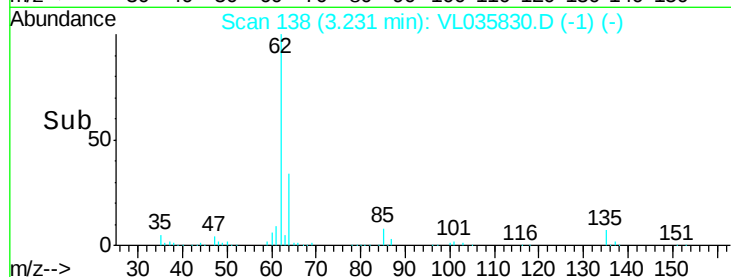
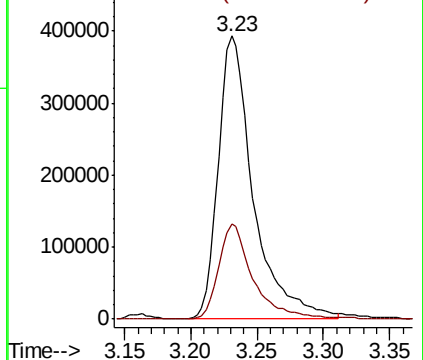
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.361 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.03 min

Lab File: VL035830.D

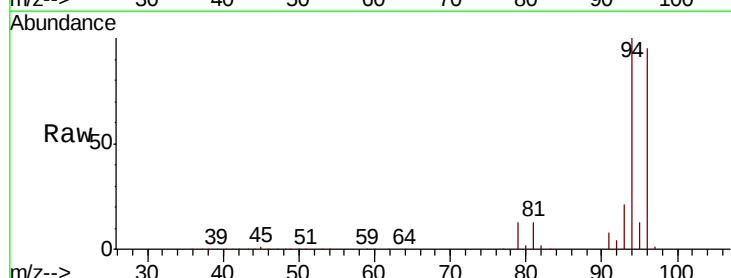
Acq: 4 Nov 2020 12:07

Tgt Ion: 94 Resp: 615395

Ion Ratio Lower Upper

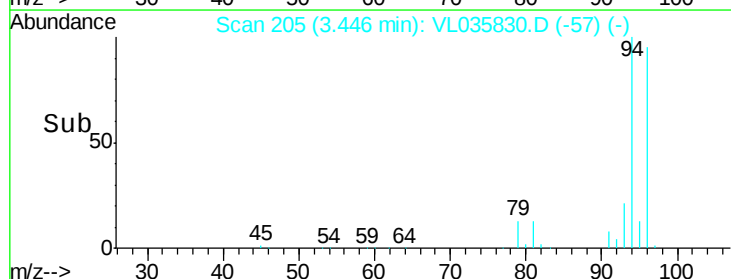
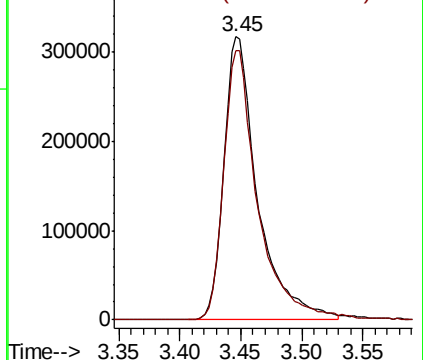
94 100

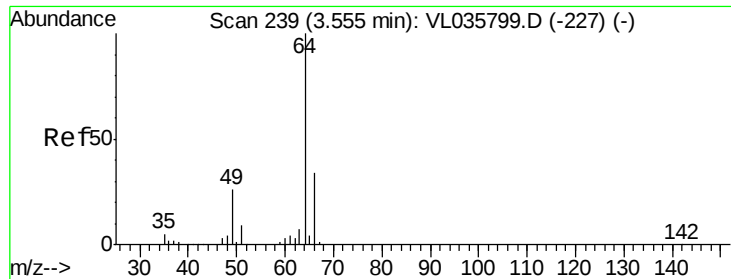
96 94.9 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.515 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tot Ion: 64 Resp: 273313

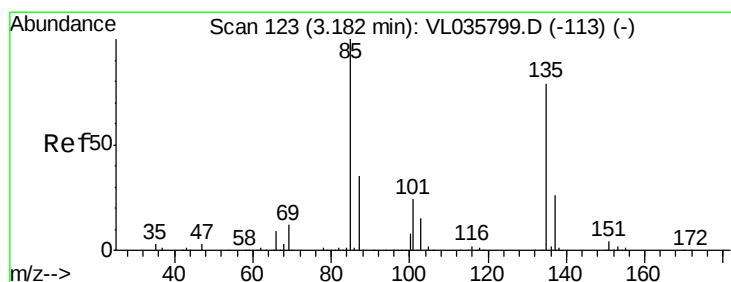
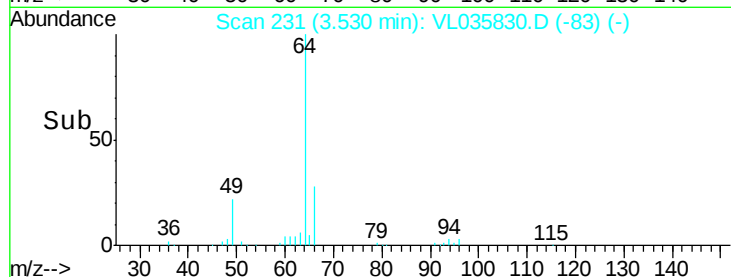
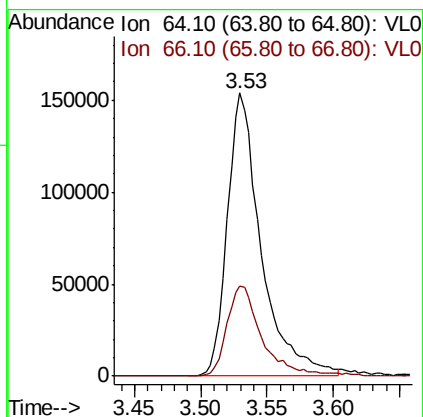
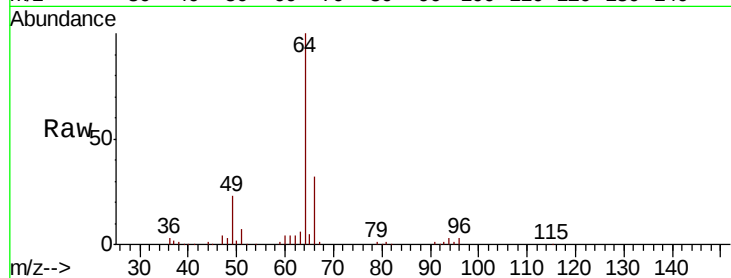
Ion Ratio Lower Upper

64 100

66 31.6 27.0 40.6

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#8

Dichlorotetrafluoroethane

Concen: 10.015 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.02 min

Lab File: VL035830.D

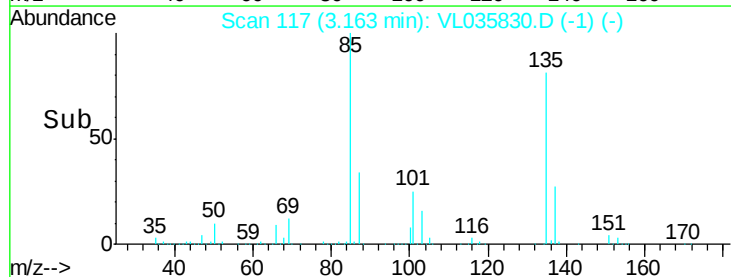
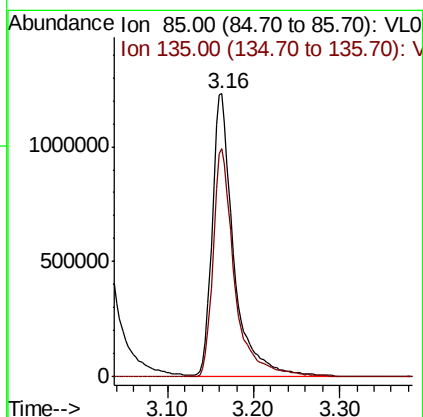
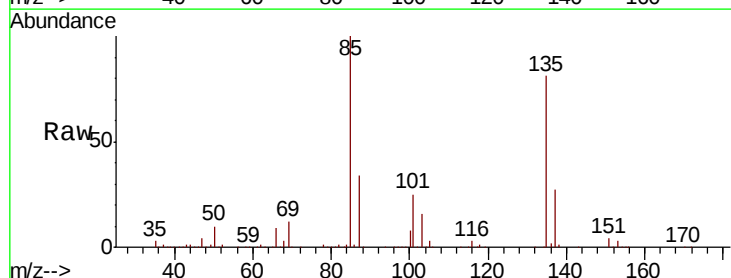
Acq: 4 Nov 2020 12:07

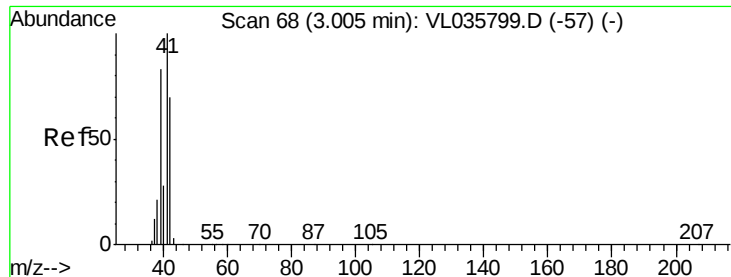
Tgt Ion: 85 Resp: 2148989

Ion Ratio Lower Upper

85 100

135 81.4 64.6 96.8





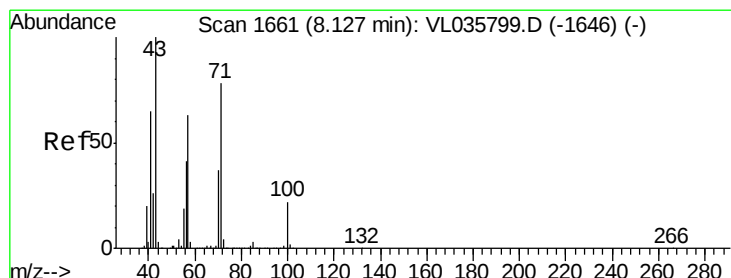
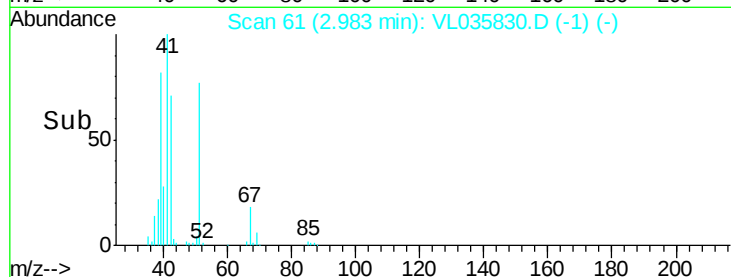
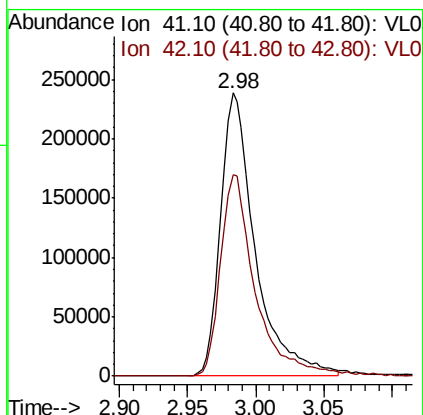
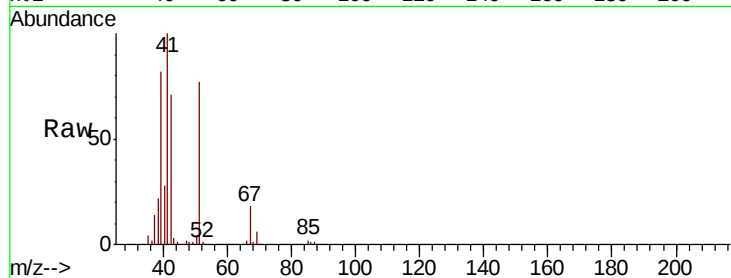
#9
 Propene
 Concen: 9.683 ppbv
 RT: 2.98 min Scan# 61
 Delta R.T. -0.02 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01

Tot Ion: 41 Resp: 422678
 Ion Ratio Lower Upper
 41 100
 42 72.4 56.2 84.4

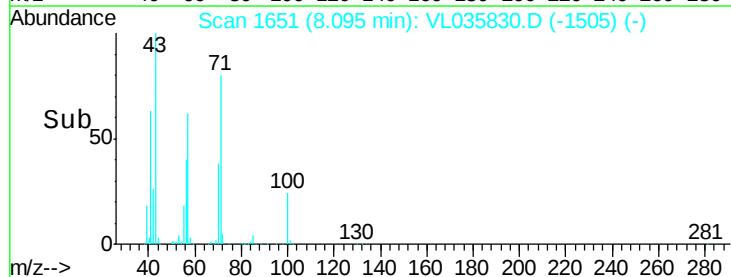
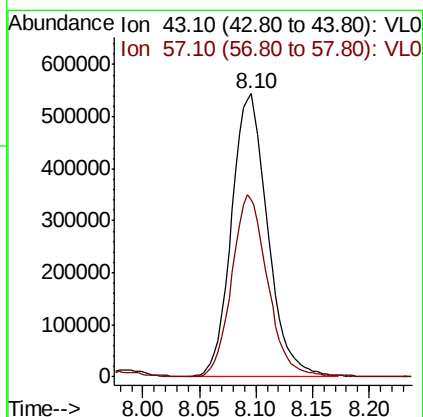
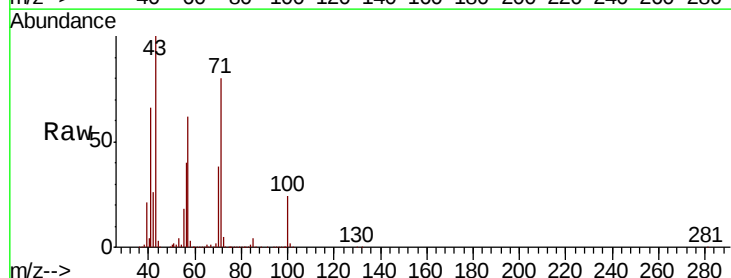
Manual Integrations
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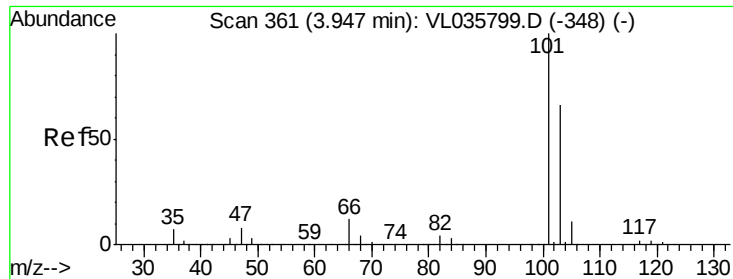
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#10
 Heptane
 Concen: 9.986 ppbv
 RT: 8.10 min Scan# 1651
 Delta R.T. -0.03 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion: 43 Resp: 1203988
 Ion Ratio Lower Upper
 43 100
 57 64.3 50.0 75.0





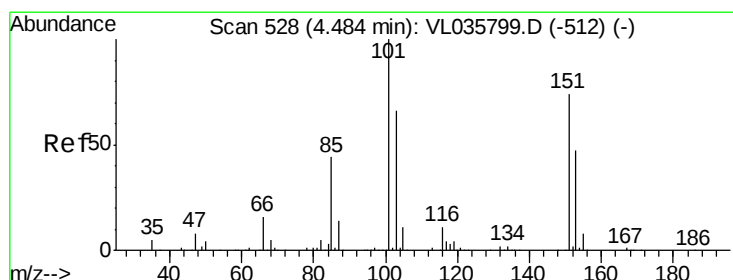
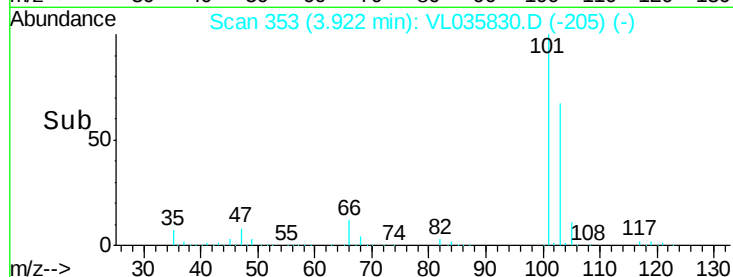
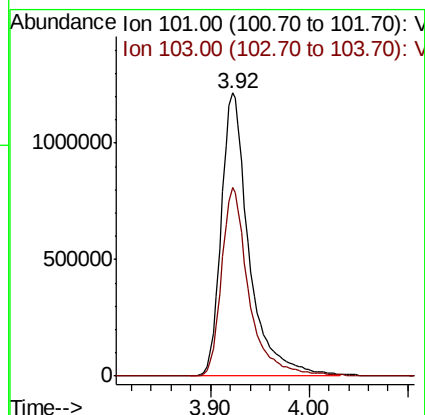
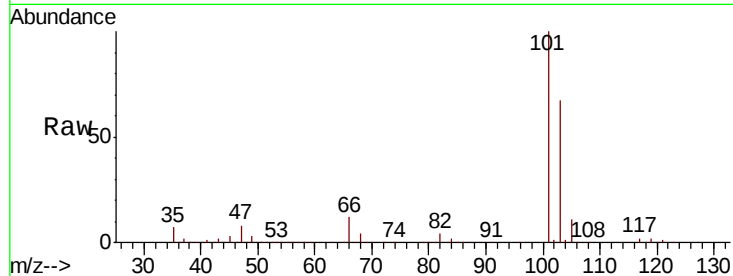
#11
 Trichlorofluoromethane
 Concen: 10.219 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.03 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01

Tot Ion:101 Resp: 2405998
 Ion Ratio Lower Upper
 101 100
 103 66.6 53.0 79.4

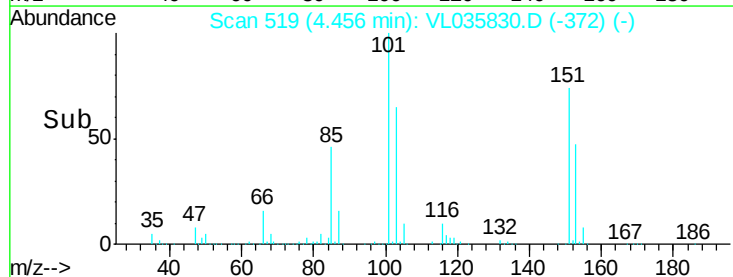
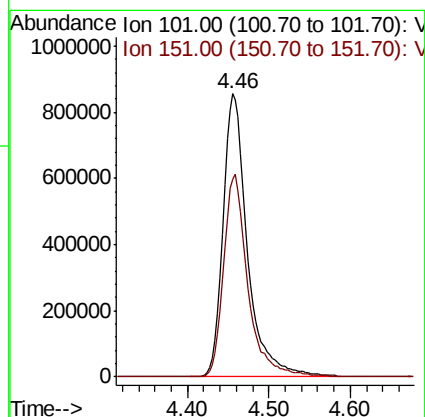
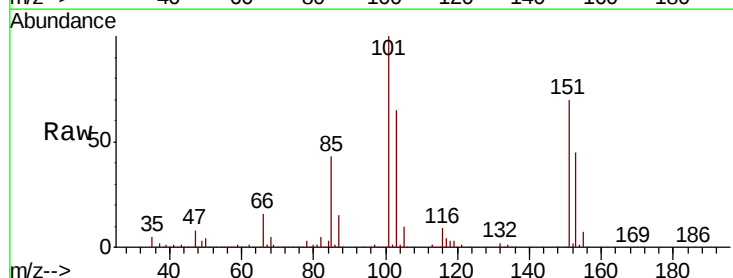
Manual Integrations
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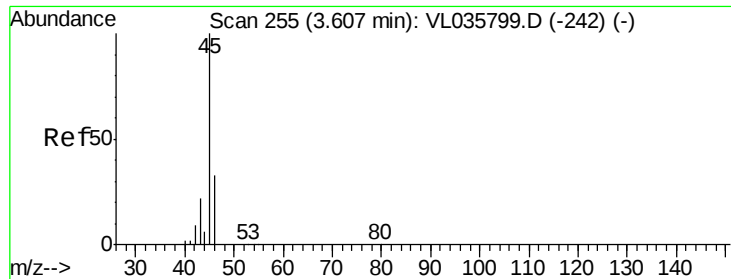
MMDadoda
 11/5/2020 2:16:28 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.344 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.03 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion:101 Resp: 1813105
 Ion Ratio Lower Upper
 101 100
 151 71.6 58.9 88.3





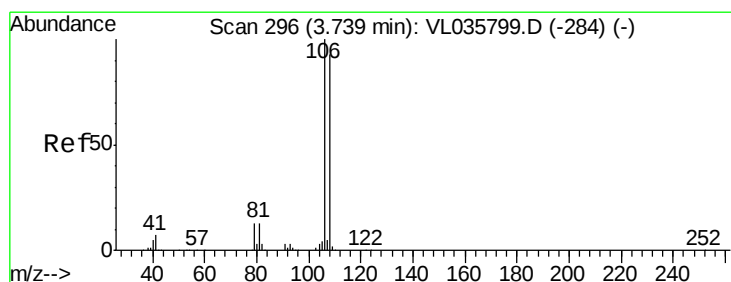
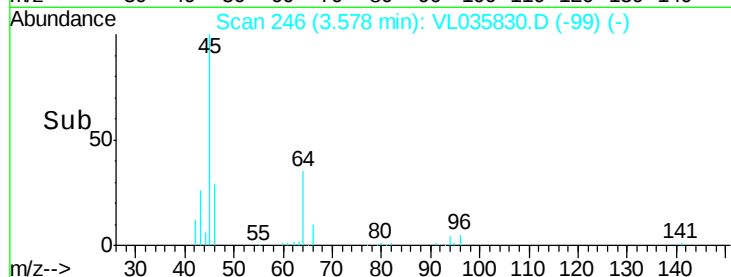
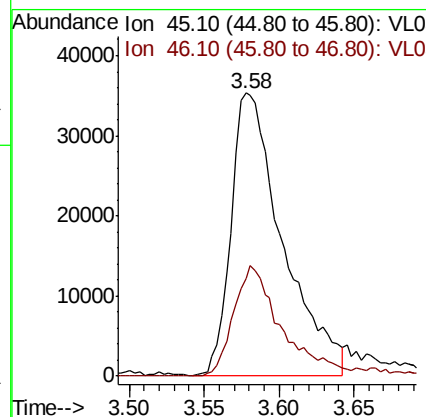
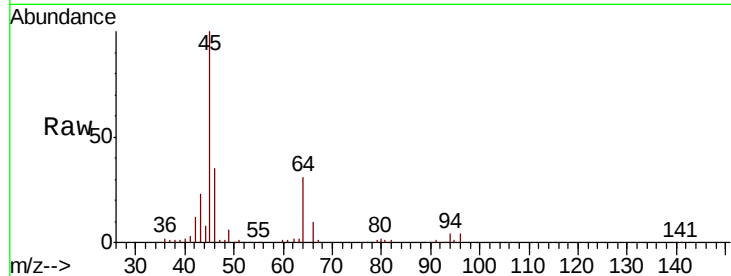
#13
Ethanol
Concen: 8.954 ppbv
RT: 3.58 min Scan# 246
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tot Ion: 45 Resp: 84791
Ion Ratio Lower Upper
45 100
46 39.1 16.1 64.5

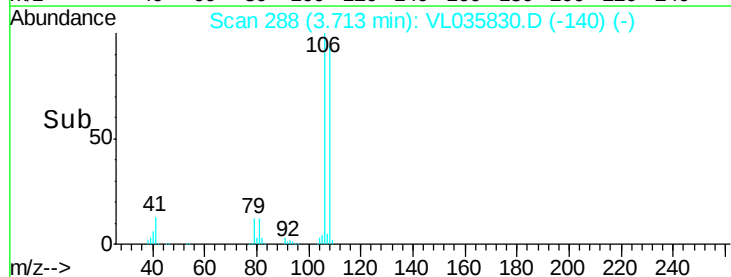
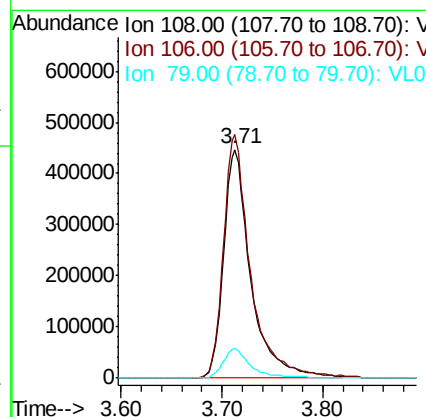
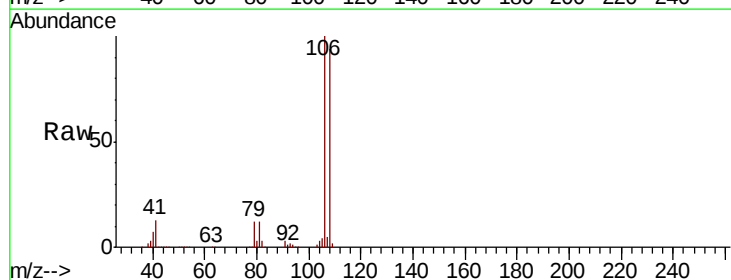
Manual Integrations
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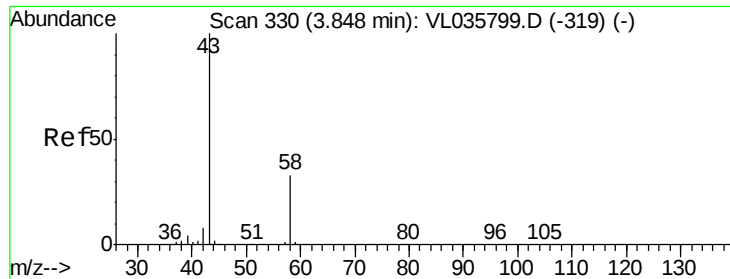
MMDadoda
11/5/2020 2:16:28 PM



#14
Bromoethene
Concen: 10.459 ppbv
RT: 3.71 min Scan# 288
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 108 Resp: 843757
Ion Ratio Lower Upper
108 100
106 106.5 85.3 127.9
79 13.3 11.6 17.4





#15

Acetone

Concen: 9.081 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tot Ion: 43 Resp: 966883

Ion Ratio Lower Upper

43 100

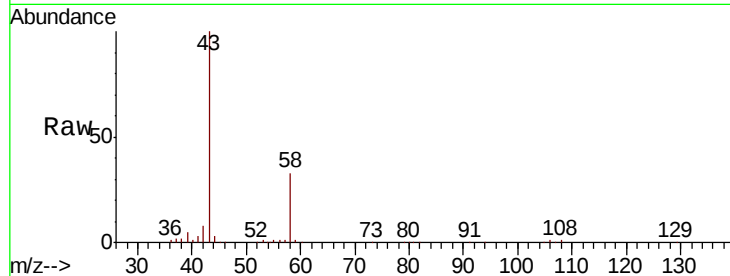
58 34.6 27.5 41.3

Manual Integrations

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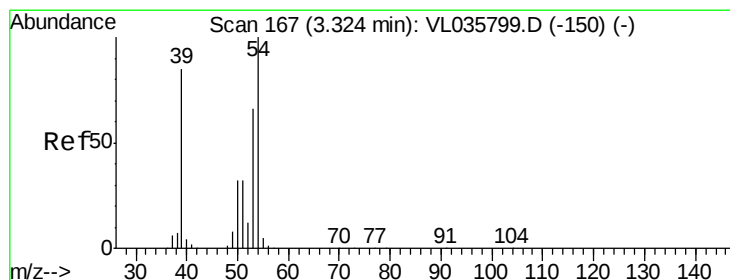
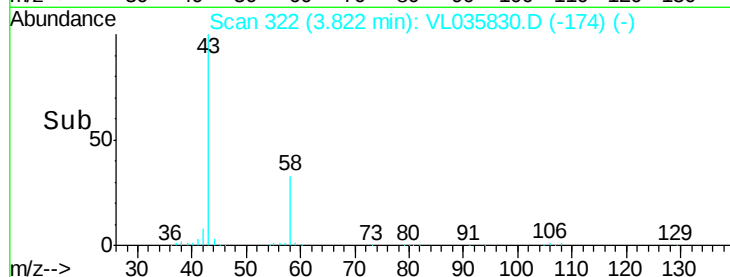
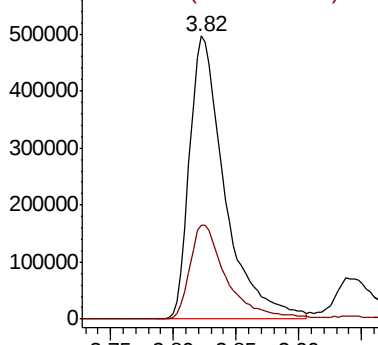
MMDadoda

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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: 9.759 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.02 min

Lab File: VL035830.D

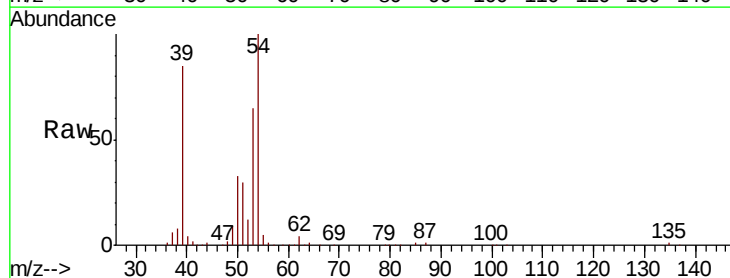
Acq: 4 Nov 2020 12:07

Tgt Ion: 39 Resp: 447321

Ion Ratio Lower Upper

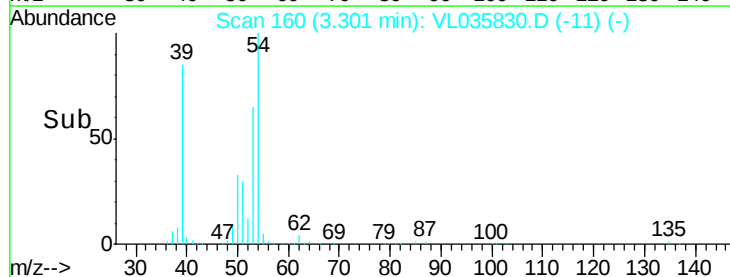
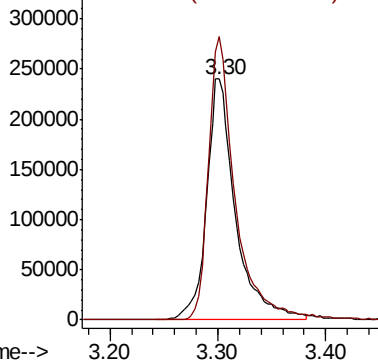
39 100

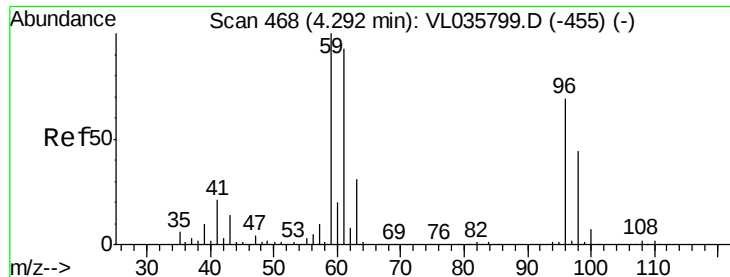
54 110.4 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.344 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Tot Ion: 59 Resp: 1459575

Ion Ratio Lower Upper

59 100

57 10.3 8.2 12.4

Instrument :

MSVOA_L

ClientSampleId :

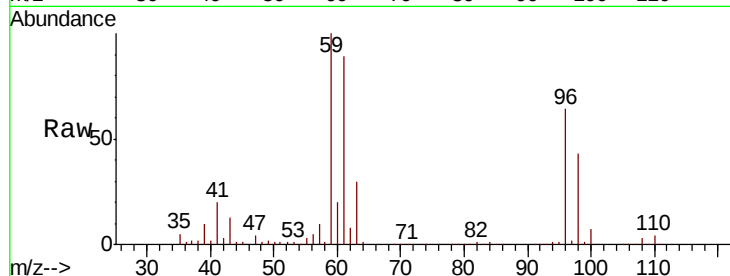
VL1104ABS01

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

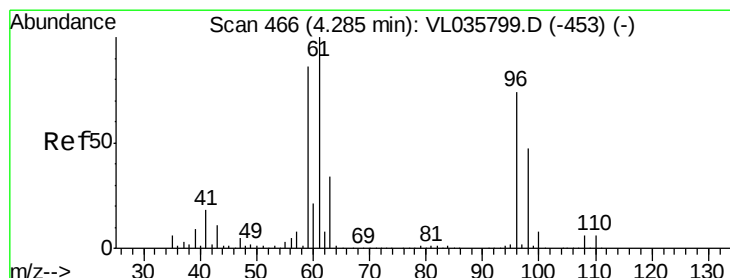
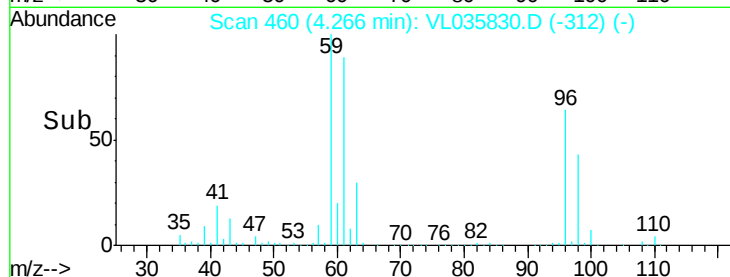
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.432 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

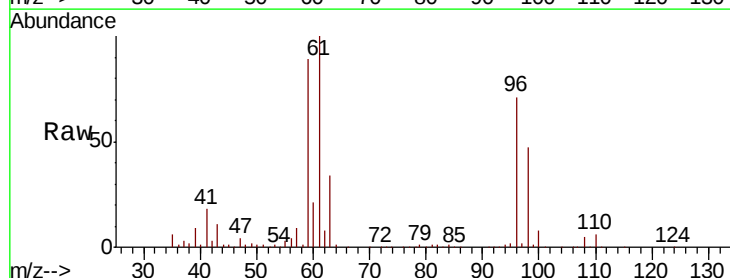
Tgt Ion: 96 Resp: 839582

Ion Ratio Lower Upper

96 100

61 140.1 108.5 162.7

98 65.5 50.7 76.1



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

800000

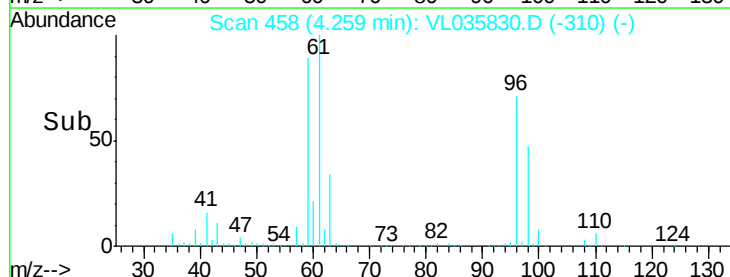
600000

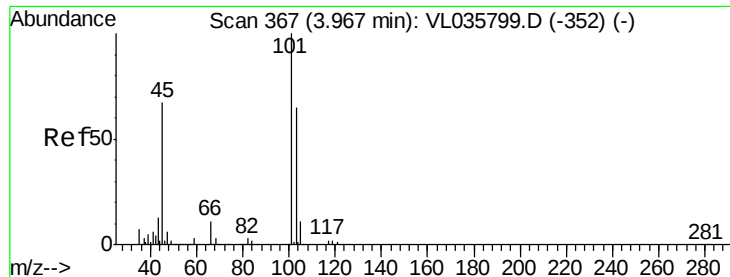
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.252 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.02 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tot Ion: 45 Resp: 670790

Ion Ratio Lower Upper

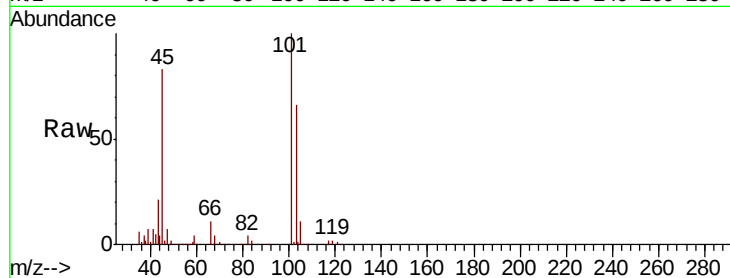
45 100

58 2.1 2.6 3.8#

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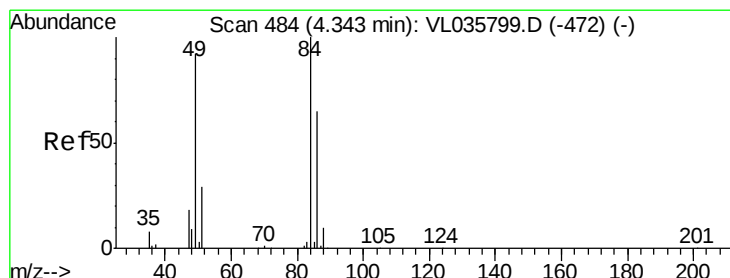
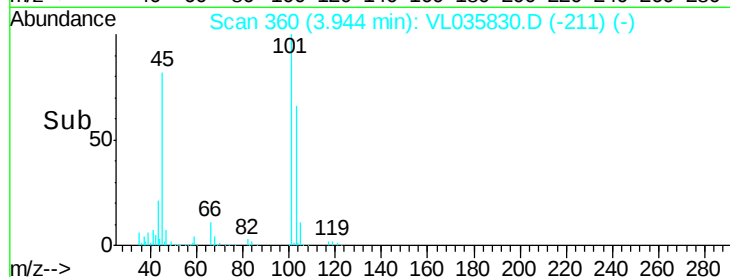
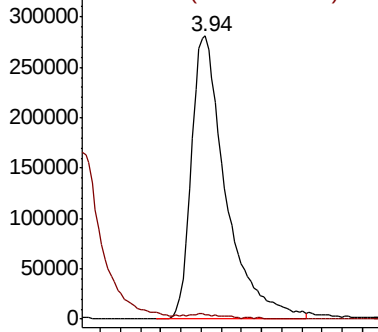
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.222 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Tgt Ion: 84 Resp: 691161

Ion Ratio Lower Upper

84 100

49 89.7 73.8 110.8

51 27.2 23.0 34.4

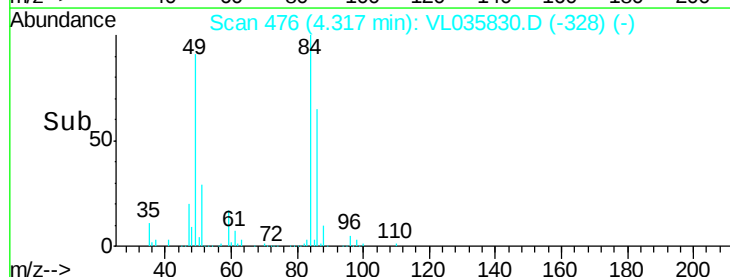
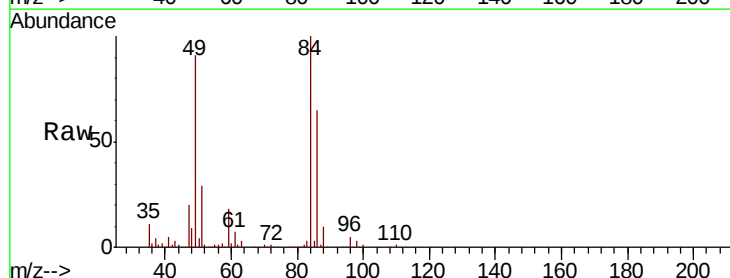
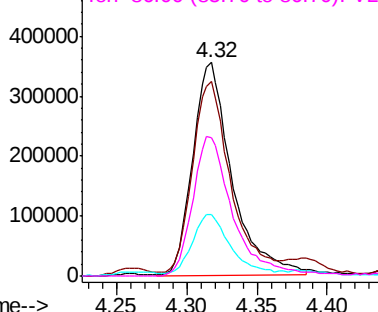
86 65.1 52.1 78.1

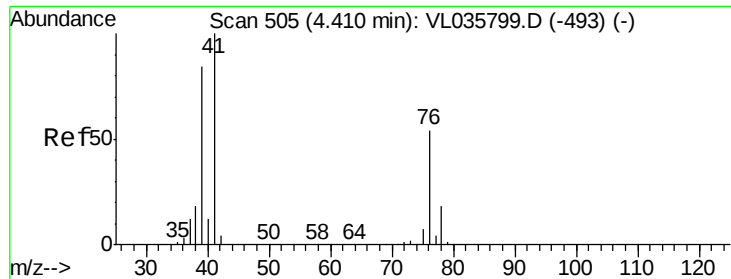
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





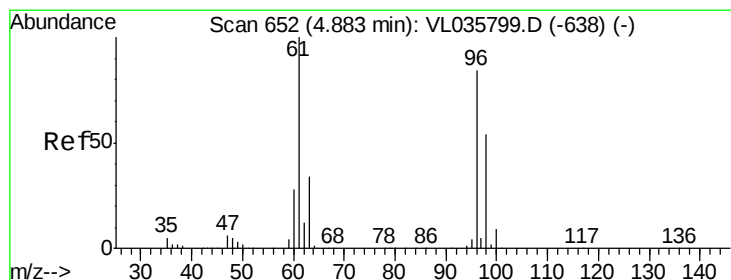
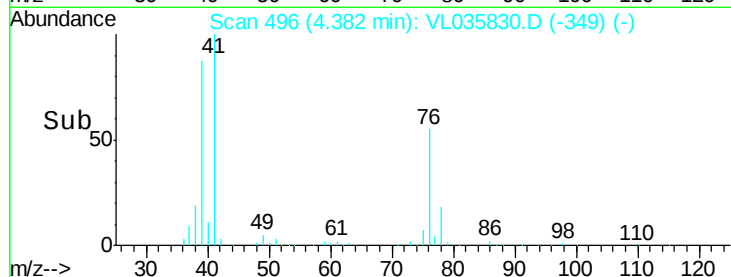
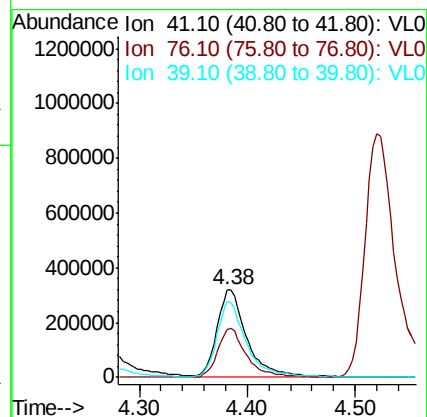
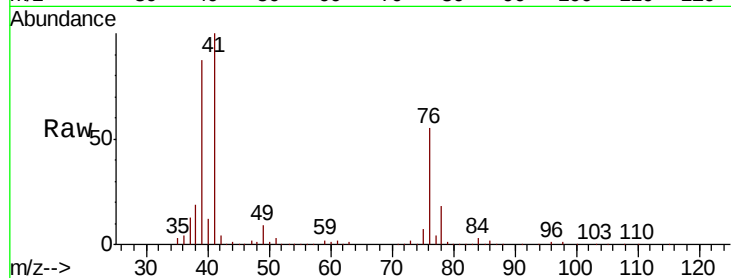
#21
Allvl Chloride
Concen: 10.543 ppbv
RT: 4.38 min Scan# 496
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampled :
VL1104ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	55.3	42.6	63.8
39	85.8	67.0	100.4

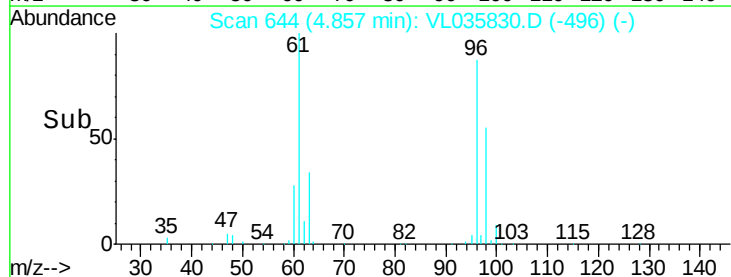
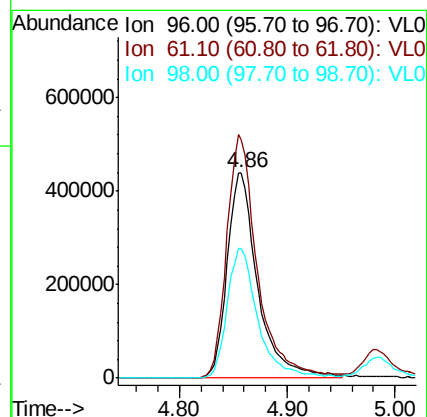
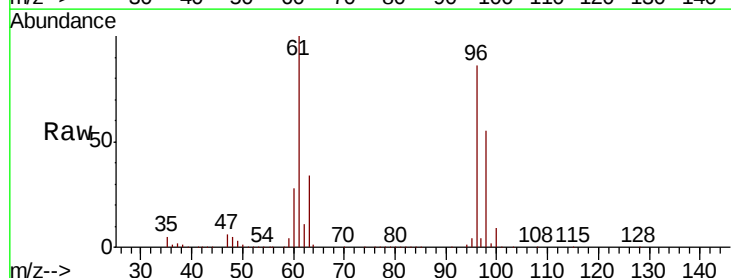
Manual Integrations
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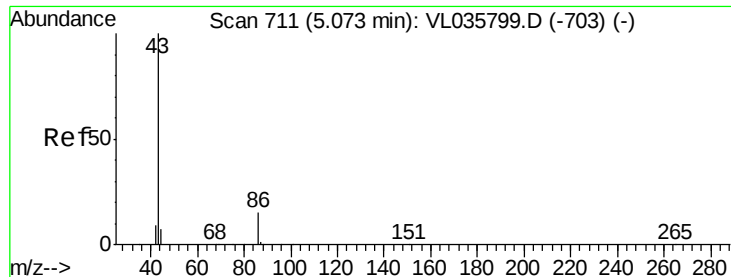
MMDadoda
11/5/2020 2:16:28 PM



#22
trans-1,2-Dichloroethene
Concen: 10.644 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	115.7	95.4	143.0
98	63.3	51.8	77.6





#23

Vinyl Acetate

Concen: 9.717 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

ClientSampleID :

VL1104ABS01

Tot Ion: 43 Resp: 1450239

Ion Ratio Lower Upper

43 100

86 12.7 9.8 14.6

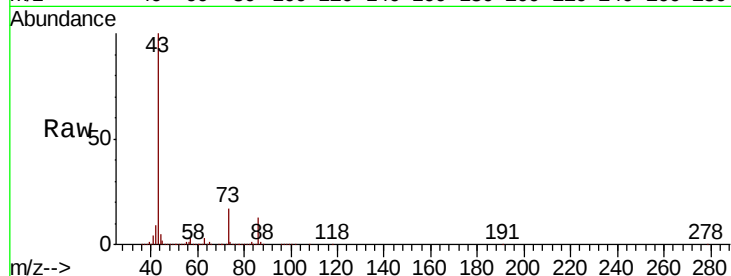
42 9.2 8.1 12.1

44 4.7 4.2 6.4

Manual Integrations
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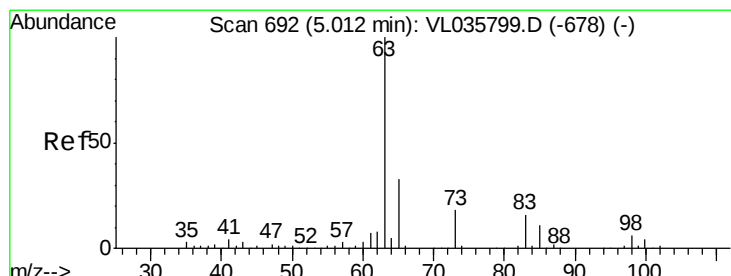
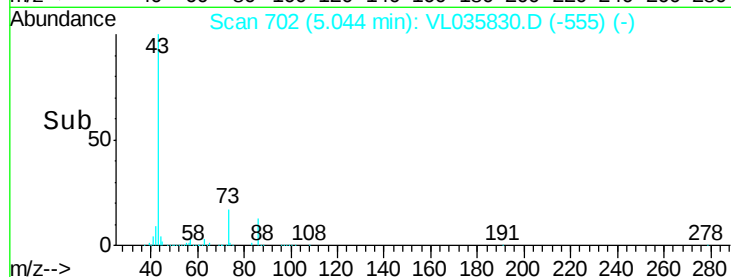
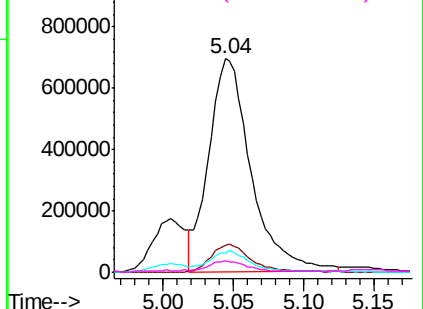


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.963 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

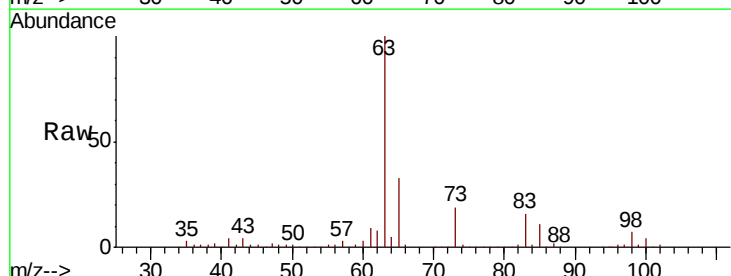
Tgt Ion: 63 Resp: 1416608

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

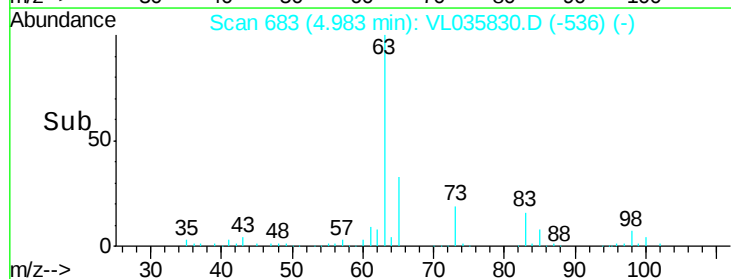
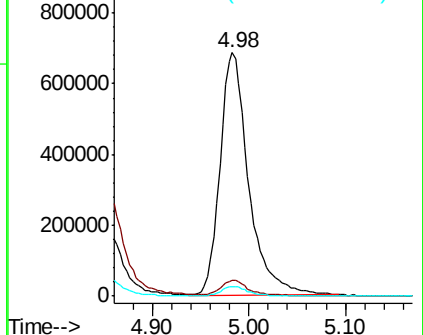
100 4.0 1.8 5.4

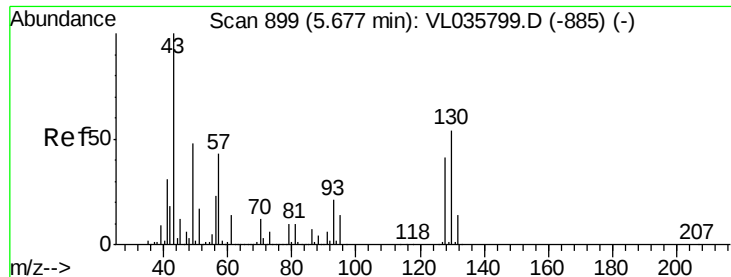


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.813 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tot Ion: 43 Resp: 2058303

Ion Ratio Lower Upper

43 100

45 10.6 8.5 12.7

61 13.9 10.7 16.1

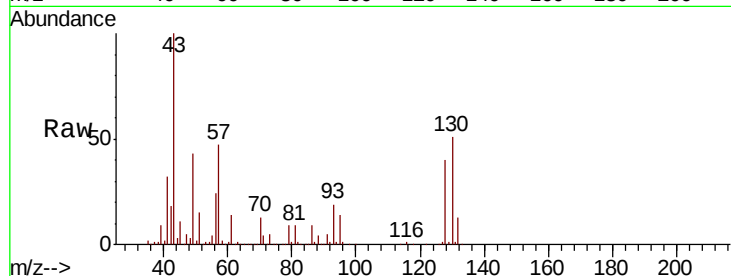
70 11.1 8.6 12.8

Manual Integrations

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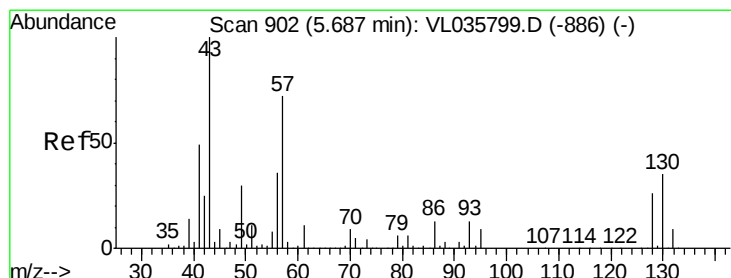
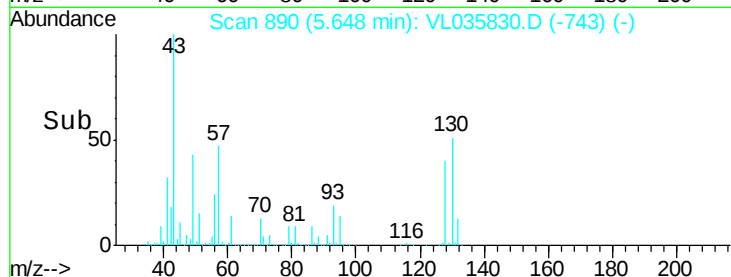
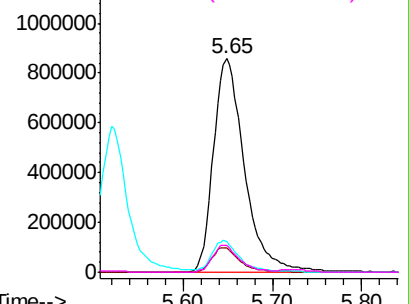


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.883 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Tgt Ion: 57 Resp: 1143197

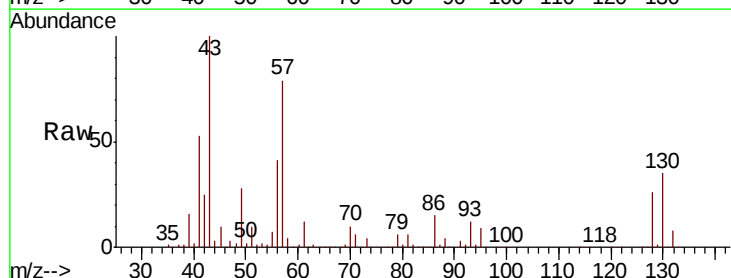
Ion Ratio Lower Upper

57 100

41 70.8 58.9 88.3

43 181.6 150.2 225.2

56 52.4 42.4 63.6

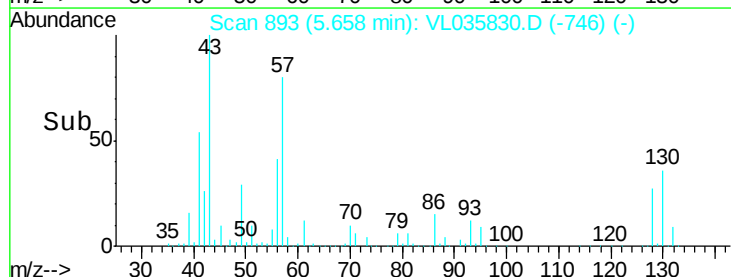
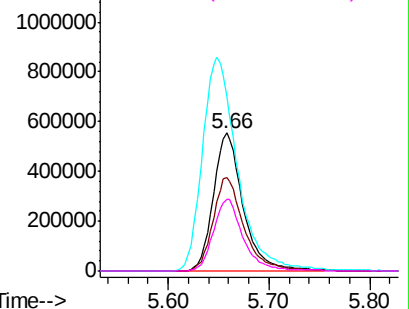


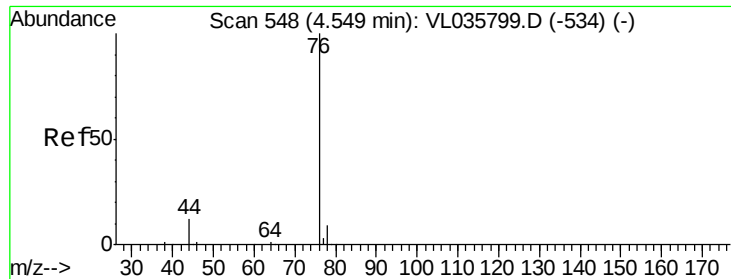
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





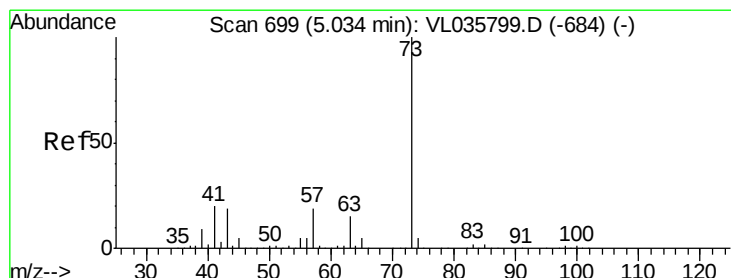
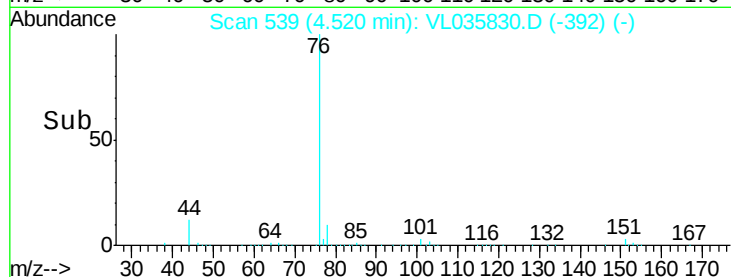
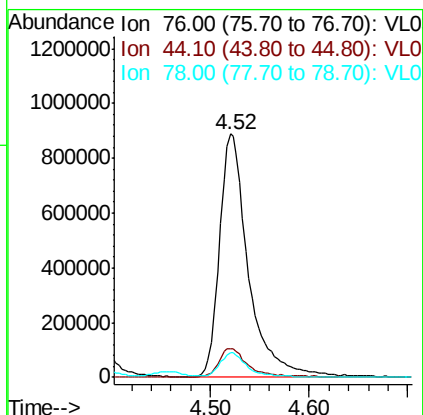
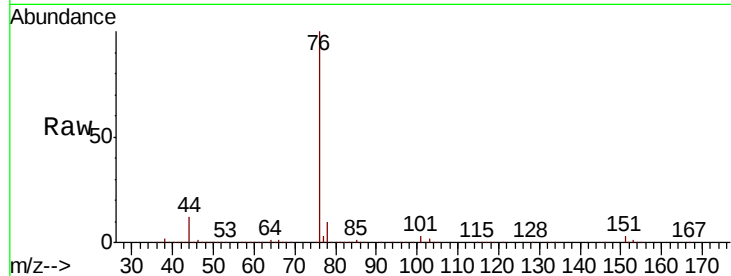
#27
Carbon Disulfide
Concen: 10.439 ppbv
RT: 4.52 min Scan# 539
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	11.8	9.9	14.9
78	10.2	8.1	12.1

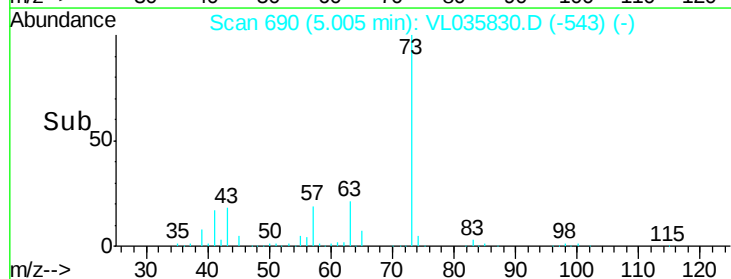
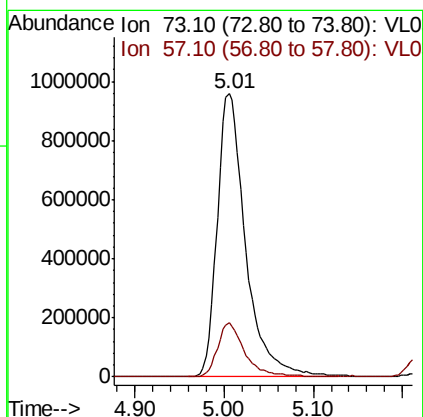
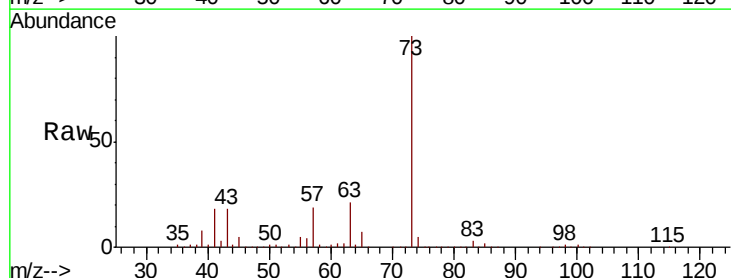
Manual Integrations
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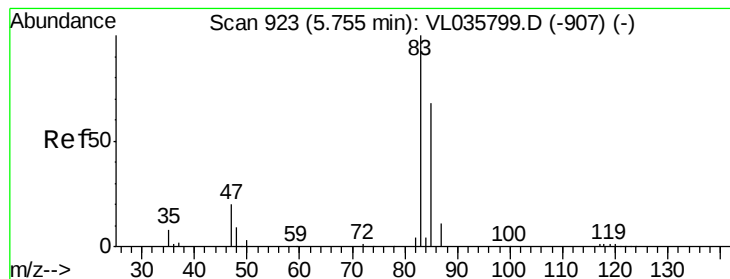
MMDadoda
11/5/2020 2:16:28 PM



#28
Methyl tert-Butyl Ether
Concen: 10.191 ppbv
RT: 5.01 min Scan# 690
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion	Ratio	Lower	Upper
73	100		
57	18.4	15.4	23.2





#29

Chloroform

Concen: 10.145 ppbv

RT: 5.73 min Scan# 914

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tot Ion: 83 Resp: 2306568

Ion Ratio Lower Upper

83 100

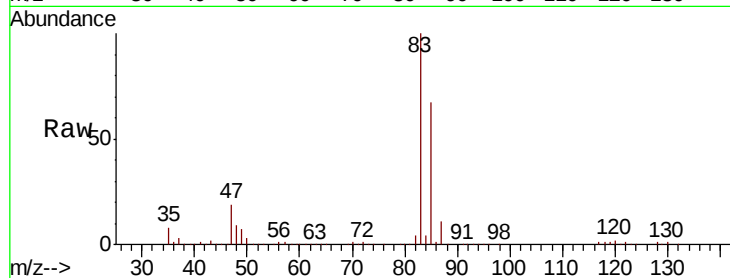
85 66.8 54.6 81.8

Manual Integrations

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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

1200000

1000000

800000

600000

400000

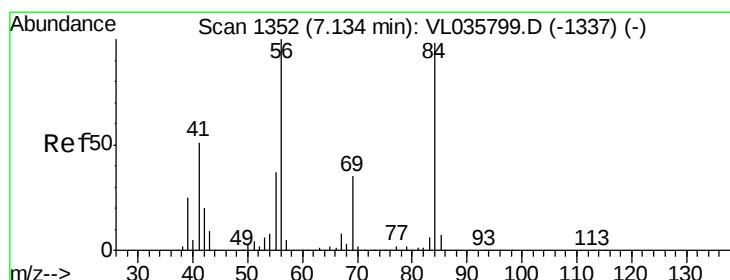
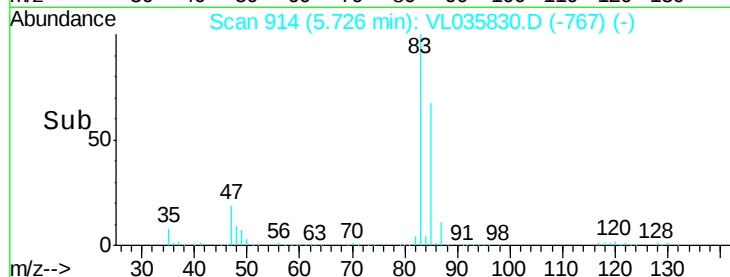
200000

0

5.70

5.80

Time-->



#30

Cyclohexane

Concen: 10.277 ppbv

RT: 7.10 min Scan# 1341

Delta R.T. -0.04 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

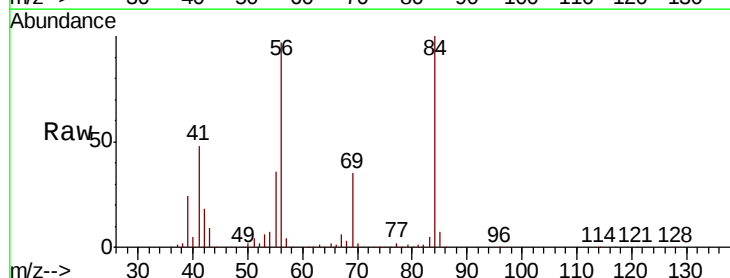
Tgt Ion: 84 Resp: 1294710

Ion Ratio Lower Upper

84 100

56 102.7 86.4 129.6

41 48.5 42.1 63.1



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

600000

400000

200000

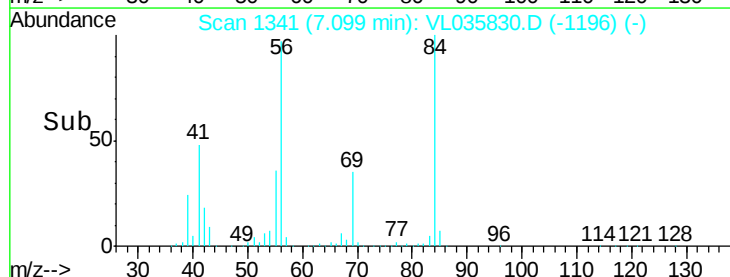
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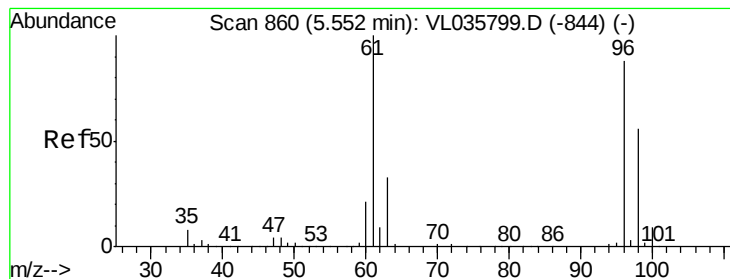
7.00

7.10

7.20

Time-->





#31

cis-1,2-Dichloroethene

Concen: 10.333 ppbv

RT: 5.52 min Scan# 850

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tot Ion: 61 Resp: 1229650

Ion Ratio Lower Upper

61 100

96 91.1 70.3 105.5

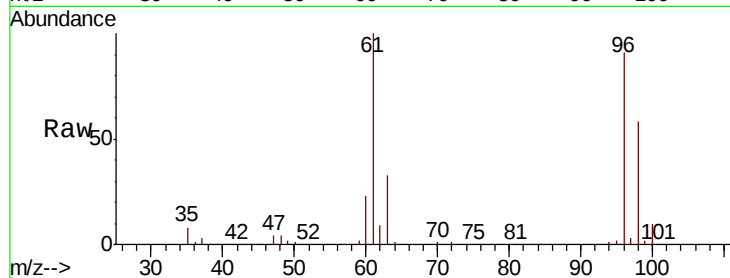
98 58.3 45.0 67.6

Manual Integrations

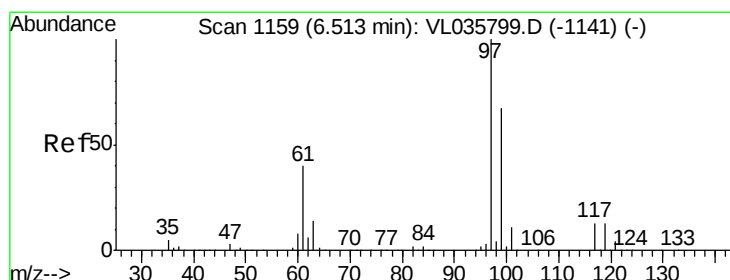
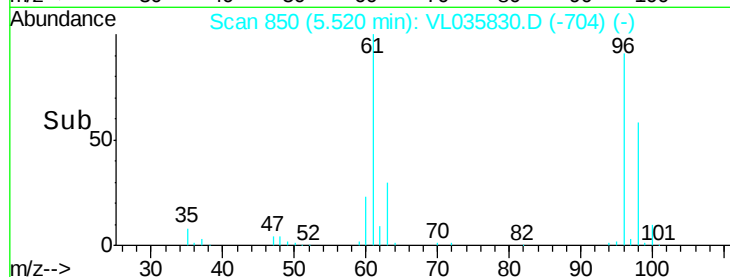
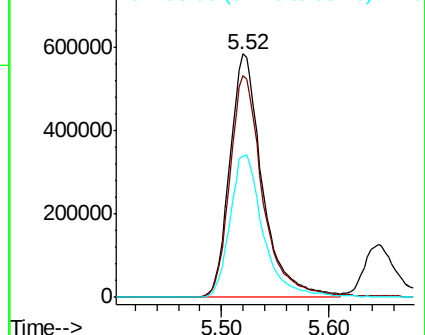
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11/5/2020 2:16:28 PM



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



#32

1,1,1-Trichloroethane

Concen: 9.924 ppbv

RT: 6.48 min Scan# 1150

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

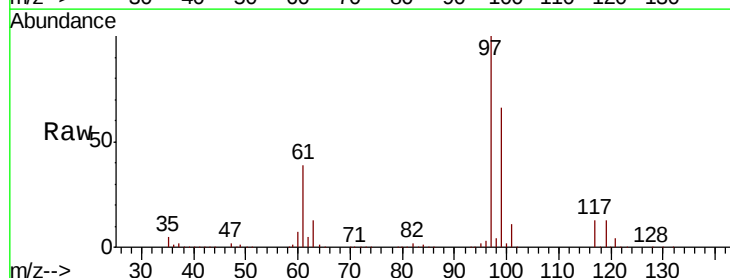
Tgt Ion: 97 Resp: 2354543

Ion Ratio Lower Upper

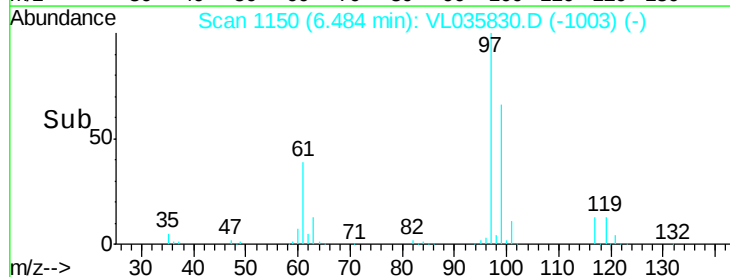
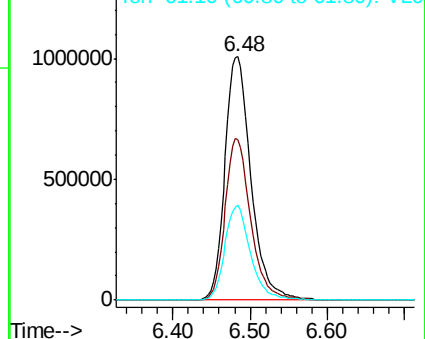
97 100

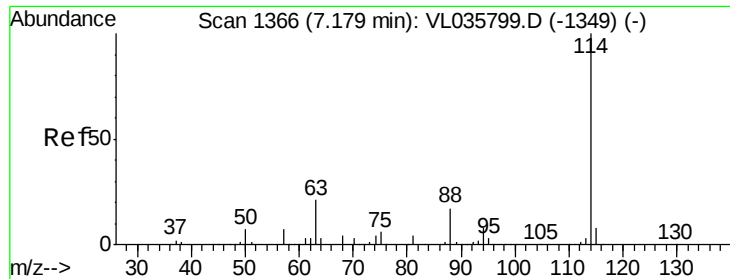
99 65.3 52.3 78.5

61 38.4 32.0 48.0



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





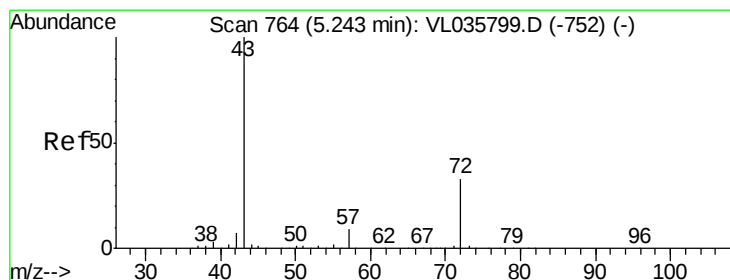
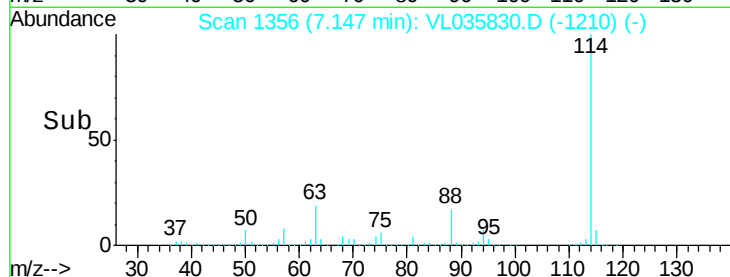
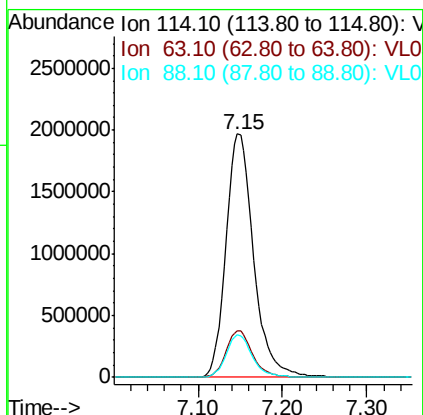
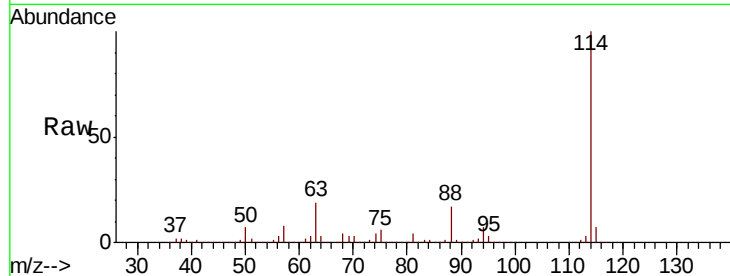
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.03 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01

Tot Ion:114 Resp: 4489099
 Ion Ratio Lower Upper
 114 100
 63 18.6 16.1 24.1
 88 16.6 13.7 20.5

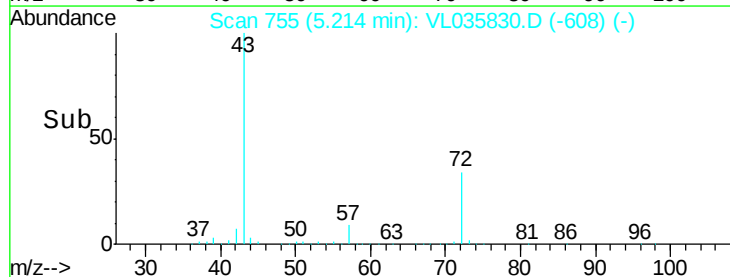
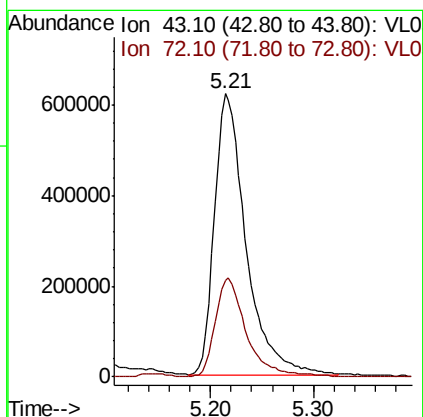
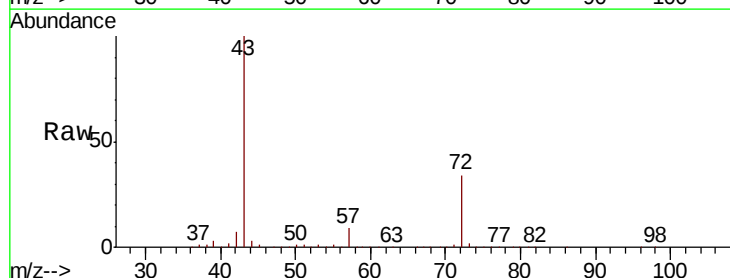
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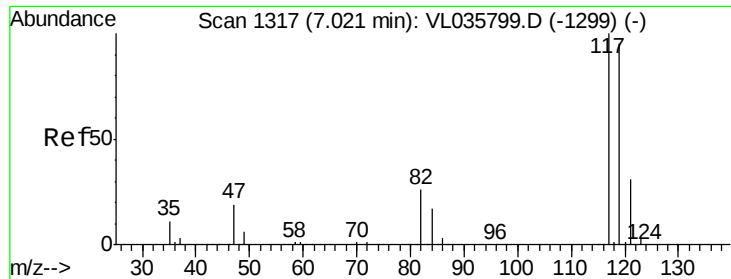
MMDadoda
 11/5/2020 2:16:28 PM



#34
 2-Butanone
 Concen: 9.044 ppbv
 RT: 5.21 min Scan# 755
 Delta R.T. -0.03 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion: 43 Resp: 1317589
 Ion Ratio Lower Upper
 43 100
 72 35.3 26.5 39.7





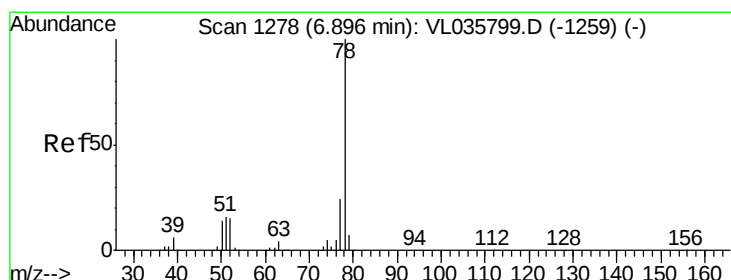
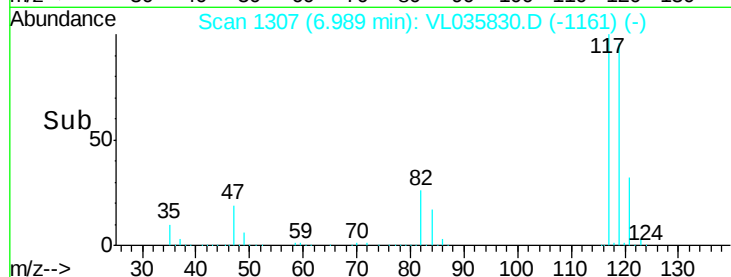
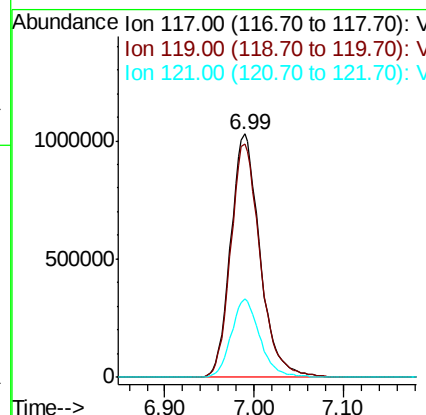
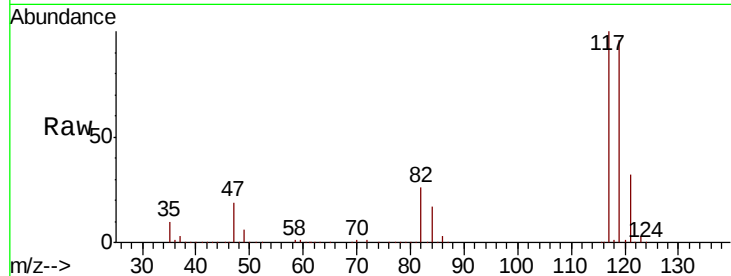
#35
Carbon Tetrachloride
Concen: 9.765 ppbv
RT: 6.99 min Scan# 1307
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tot Ion:117 Resp: 2342040
Ion Ratio Lower Upper
117 100
119 95.9 75.6 113.4
121 32.3 25.1 37.7

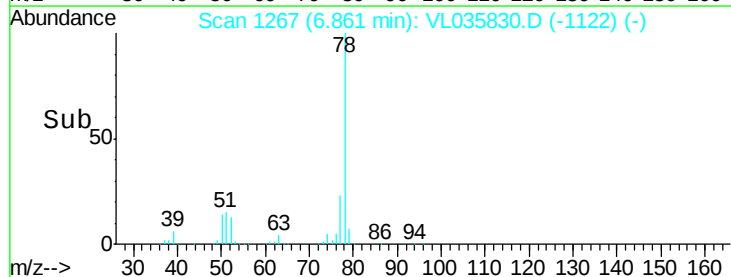
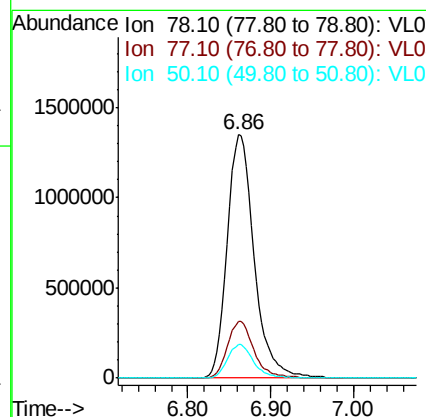
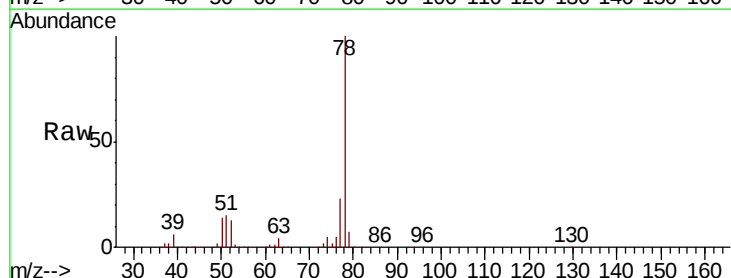
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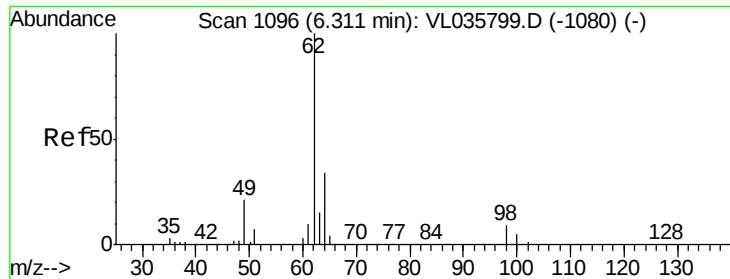
MMDadoda
11/5/2020 2:16:28 PM



#36
Benzene
Concen: 9.150 ppbv
RT: 6.86 min Scan# 1267
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 78 Resp: 3053723
Ion Ratio Lower Upper
78 100
77 23.1 19.3 28.9
50 13.6 11.4 17.2





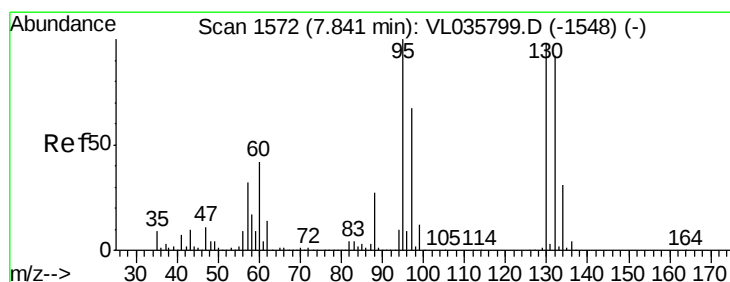
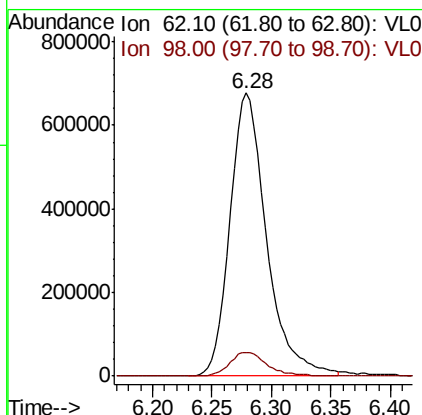
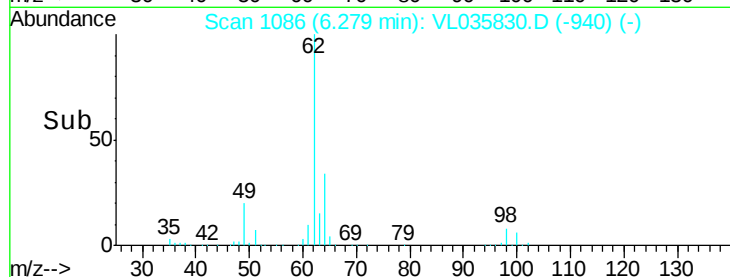
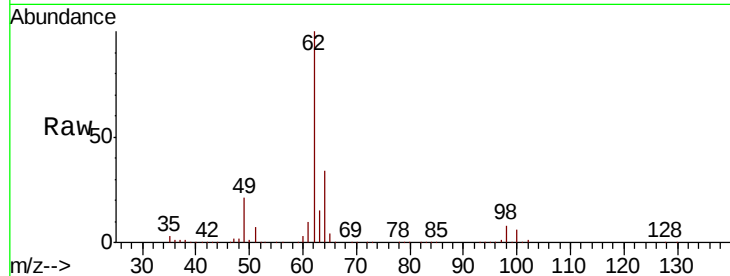
#37
 1,2-Dichloroethane
 Concen: 9.539 ppbv
 RT: 6.28 min Scan# 1086
 Delta R.T. -0.03 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01

Tot Ion: 62 Resp: 1442166
 Ion Ratio Lower Upper
 62 100
 98 8.9 6.9 10.3

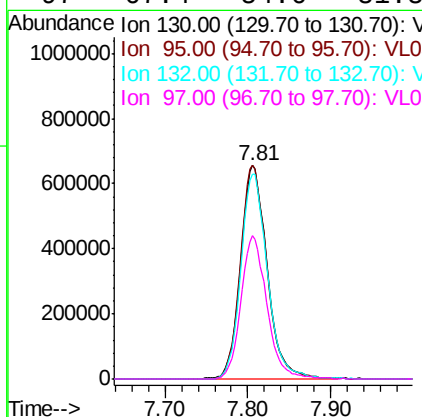
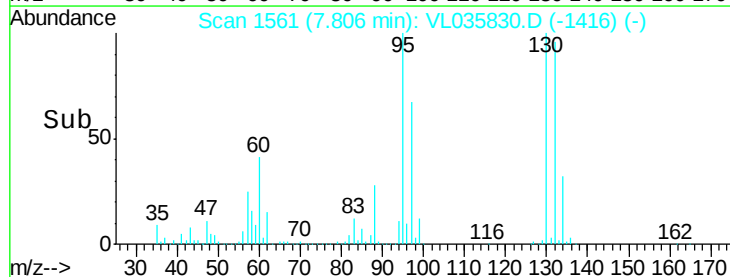
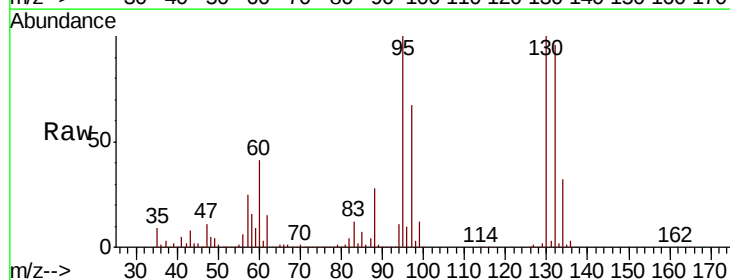
Manual Integrations
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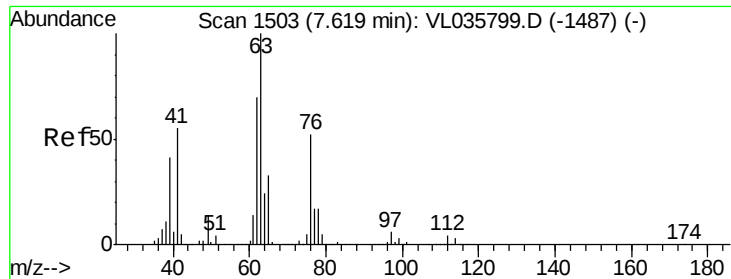
MMDadoda
 11/5/2020 2:16:28 PM



#38
 Trichloroethene
 Concen: 8.967 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion: 130 Resp: 1461745
 Ion Ratio Lower Upper
 130 100
 95 100.0 81.6 122.4
 132 95.9 75.1 112.7
 97 67.4 54.6 81.8





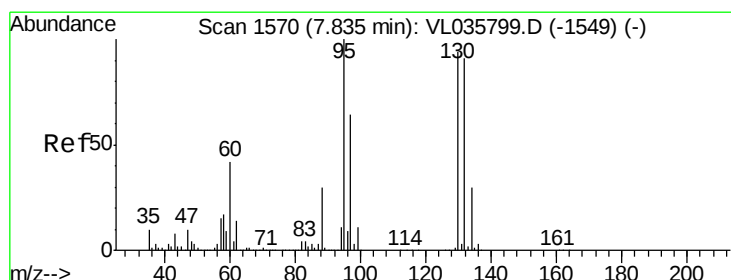
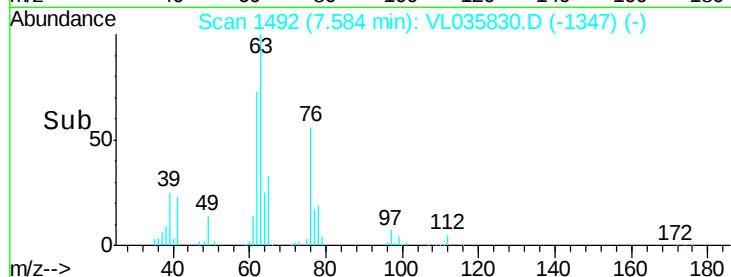
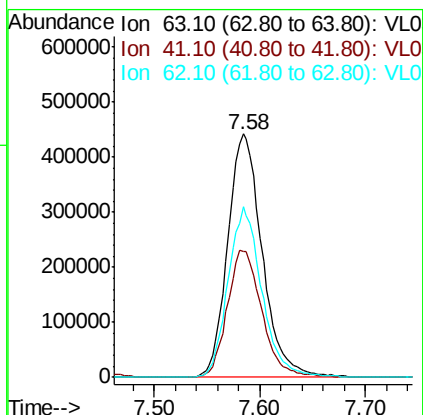
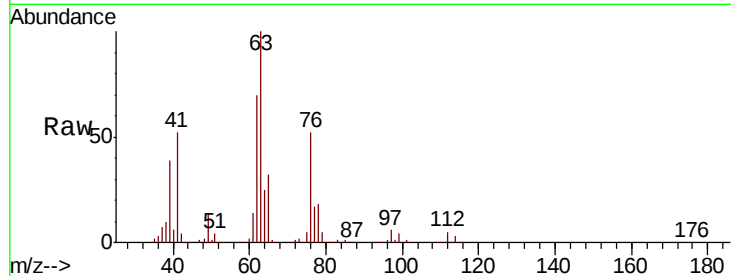
#39
 1,2-Dichloropropane
 Concen: 8.923 ppbv
 RT: 7.58 min Scan# 1492
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	51.5	43.8	65.6
62	70.0	56.2	84.2

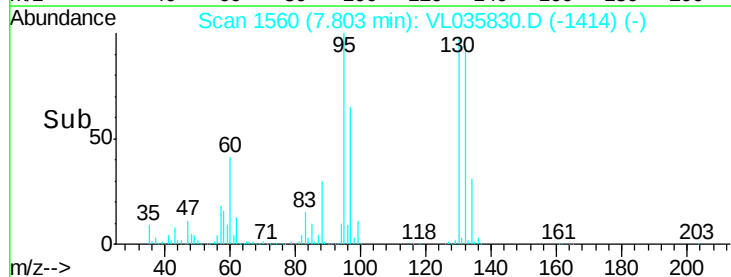
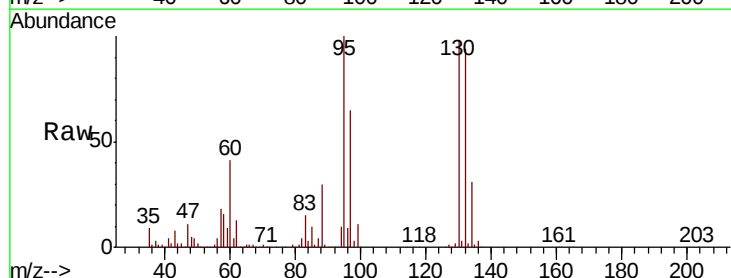
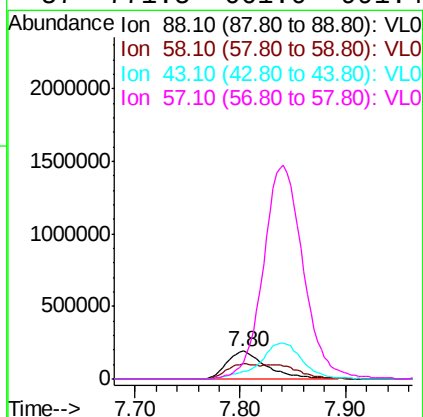
Manual Integrations
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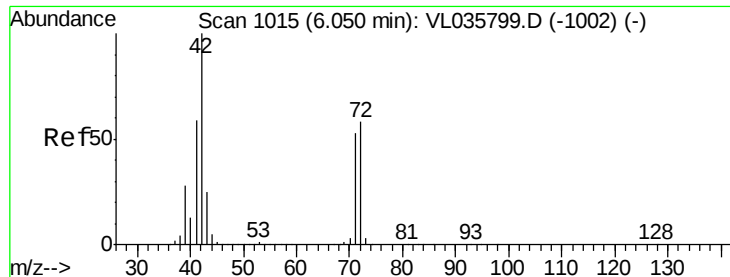
MMDadoda
 11/5/2020 2:16:28 PM



#40
 1,4-Dioxane
 Concen: 9.449 ppbv
 RT: 7.80 min Scan# 1560
 Delta R.T. -0.03 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion	Ratio	Lower	Upper
88	100		
58	89.6	76.2	114.2
43	140.9	123.1	184.7
57	771.5	661.0	991.4





#41

Tetrahydrofuran

Concen: 9.307 ppbv

RT: 6.02 min Scan# 1005

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

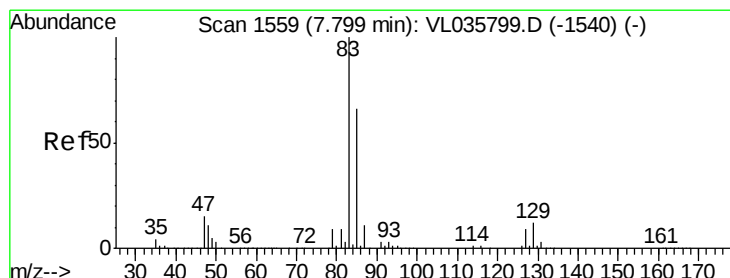
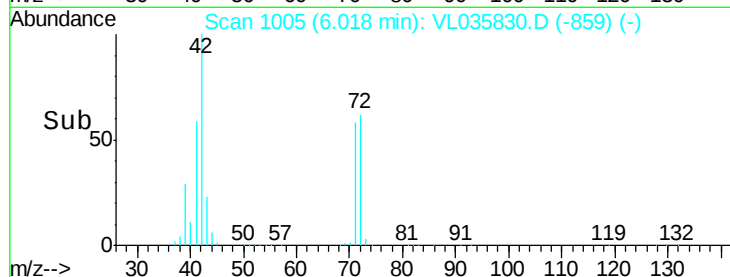
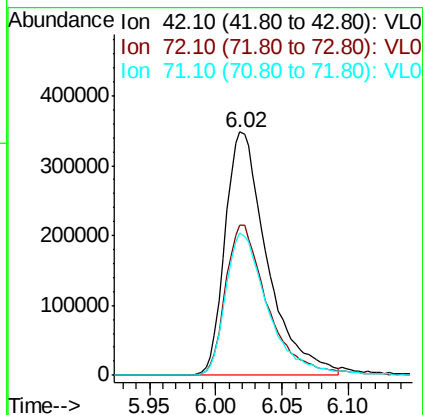
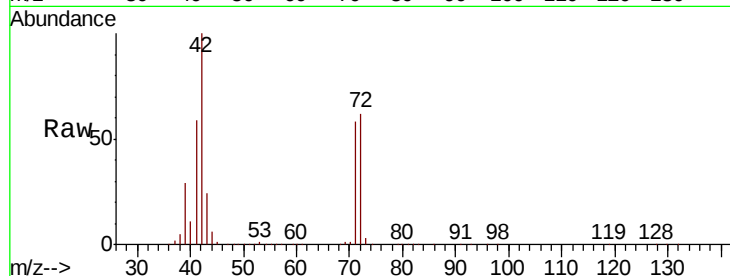
ClientSampleId :

VL1104ABS01

Tot Ion:	42	Resp:	770336
Ion Ratio	Lower	Upper	
42	100		
72	62.5	45.4	68.0
71	59.6	43.4	65.2

Manual Integrations
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11/5/2020 2:16:28 PM



#42

Bromodichloromethane

Concen: 9.704 ppbv

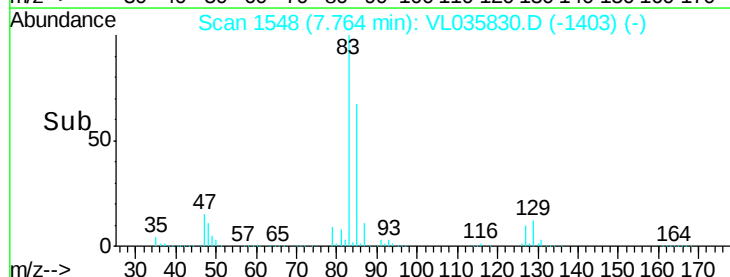
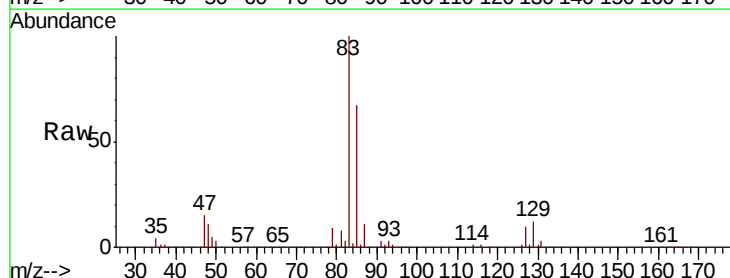
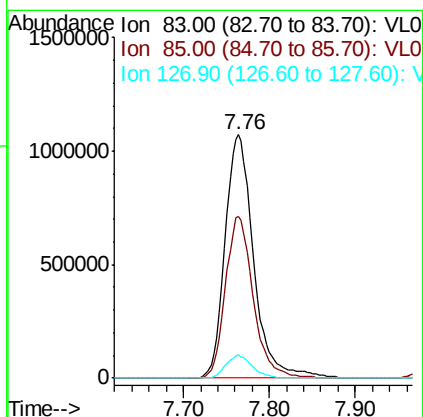
RT: 7.76 min Scan# 1548

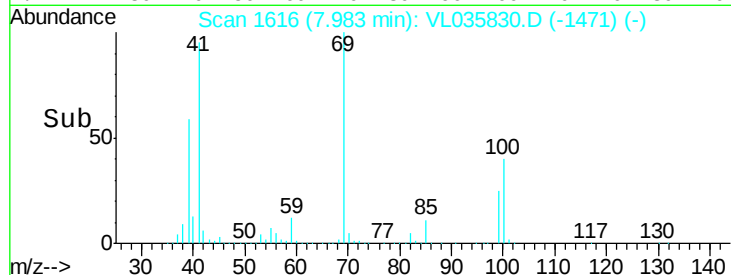
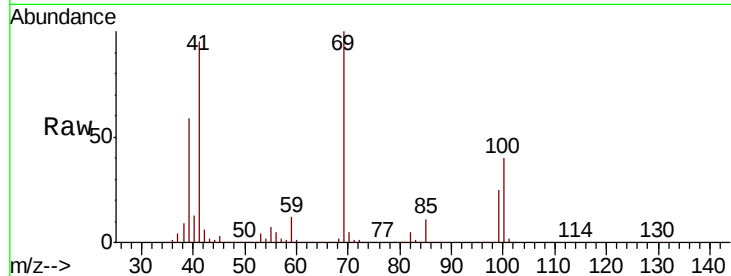
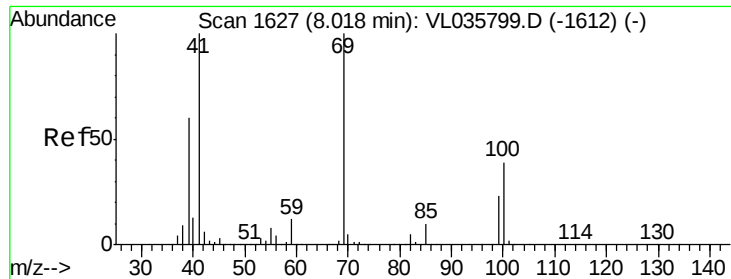
Delta R.T. -0.04 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Tgt Ion:	83	Resp:	2475603
Ion Ratio	Lower	Upper	
83	100		
85	66.5	53.1	79.7
127	9.5	7.3	10.9





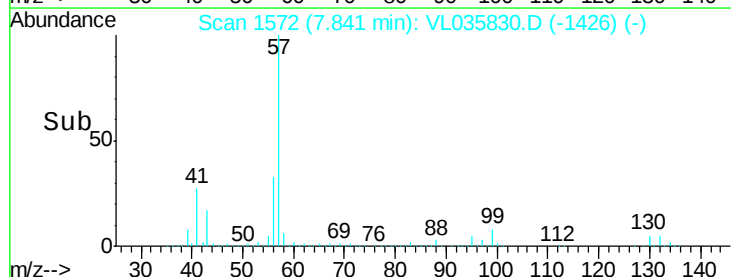
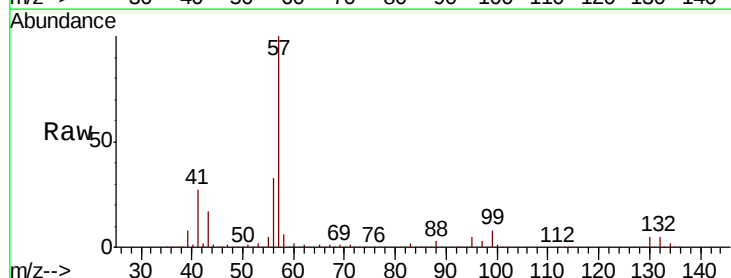
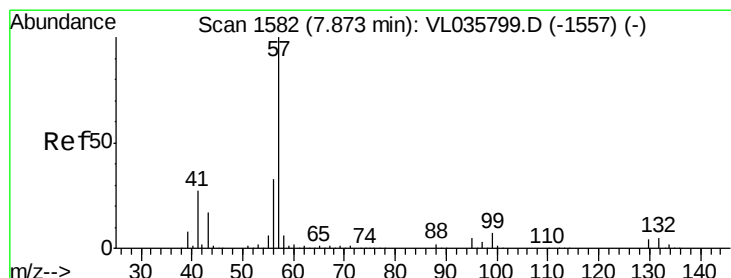
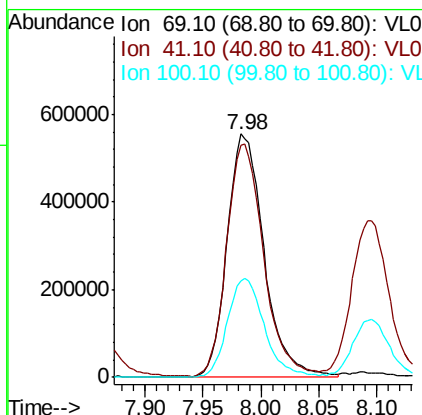
#43
Methvl Methacrilate
Concen: 9.664 ppbv
RT: 7.98 min Scan# 1616
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tot Ion: 69 Resp: 1230214
Ion Ratio Lower Upper
69 100
41 96.5 81.1 121.7
100 40.7 31.0 46.4

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

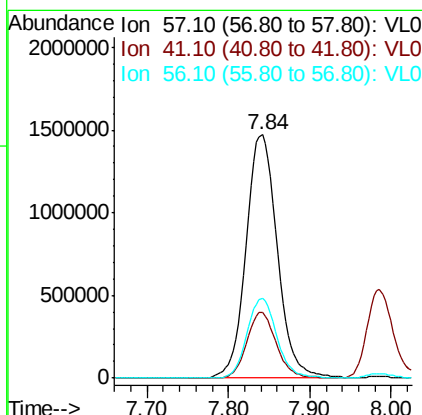
Manual Integrations
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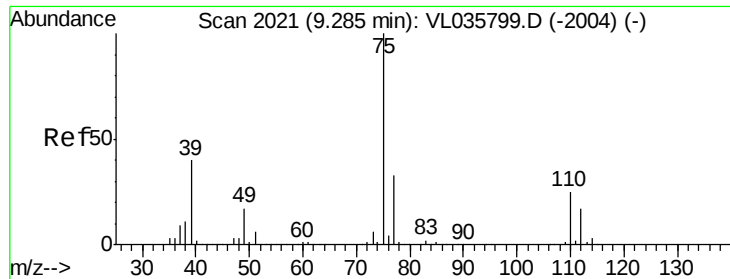
MMDadoda
11/5/2020 2:16:28 PM



#44
2,2,4-Trimethylpentane
Concen: 8.775 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 57 Resp: 3875269
Ion Ratio Lower Upper
57 100
41 25.5 21.0 31.4
56 31.2 25.4 38.0





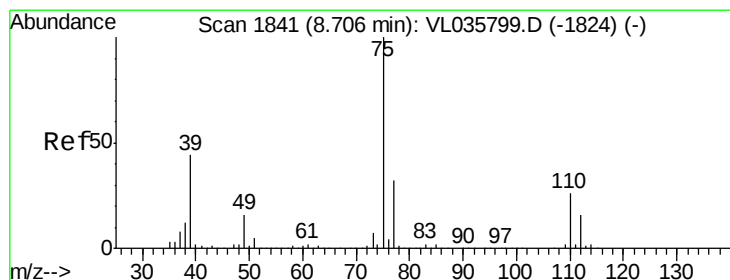
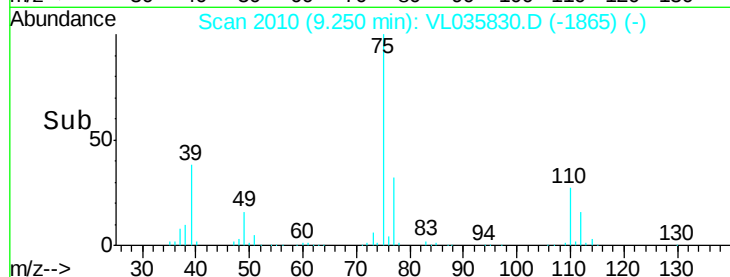
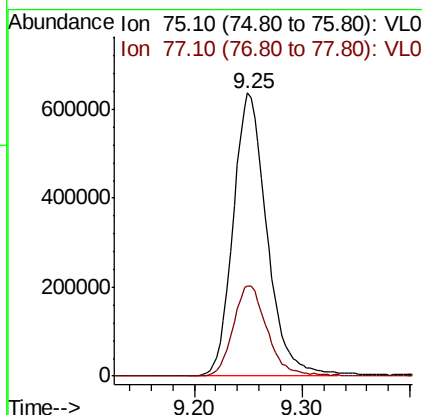
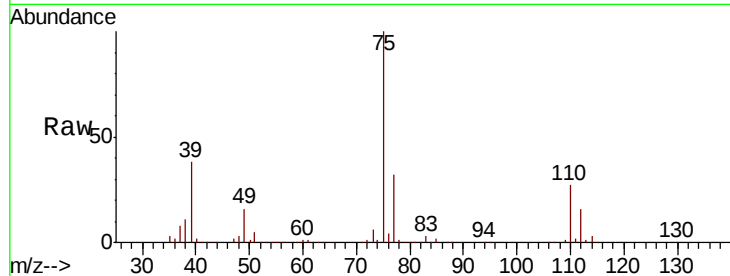
#45
t-1,3-Dichloropropene
Concen: 10.292 ppbv
RT: 9.25 min Scan# 2010
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tot Ion: 75 Resp: 1388813
Ion Ratio Lower Upper
75 100
77 31.7 26.4 39.6

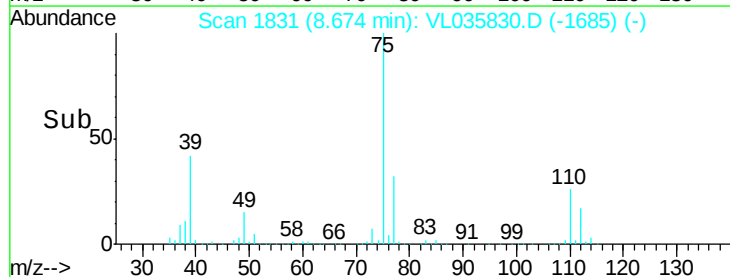
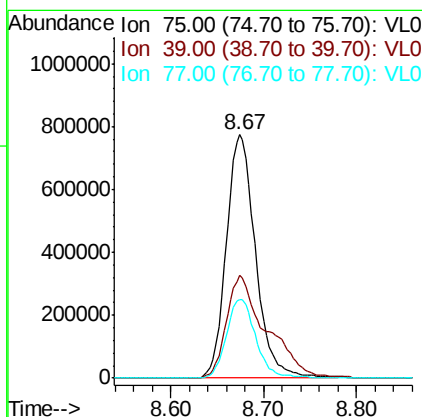
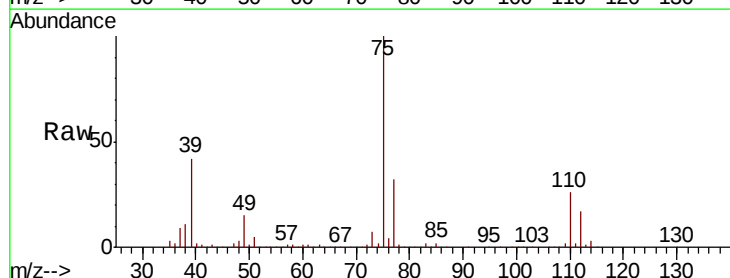
Manual Integrations
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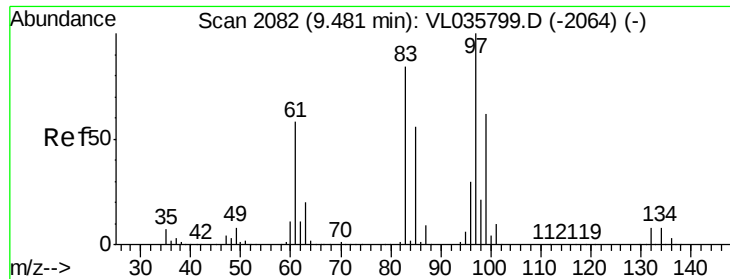
MMDadoda
11/5/2020 2:16:28 PM



#46
cis-1,3-Dichloropropene
Concen: 9.880 ppbv
RT: 8.67 min Scan# 1831
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 75 Resp: 1688492
Ion Ratio Lower Upper
75 100
39 42.3 35.1 52.7
77 32.3 25.7 38.5





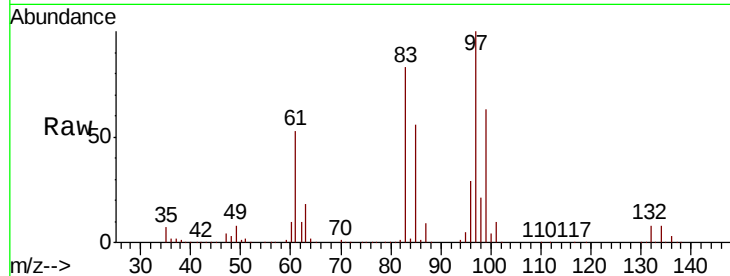
#47
 1,1,2-Trichloroethane
 Concen: 9.263 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.03 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01

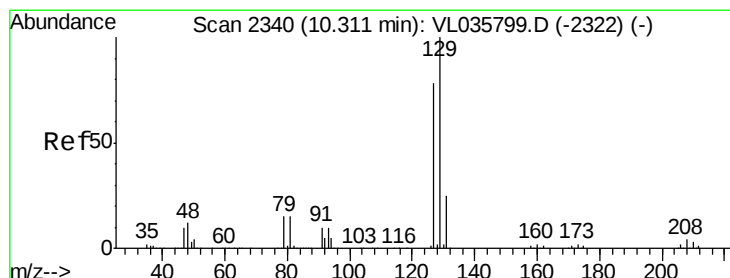
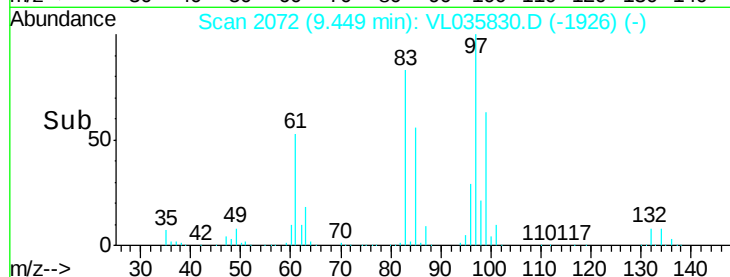
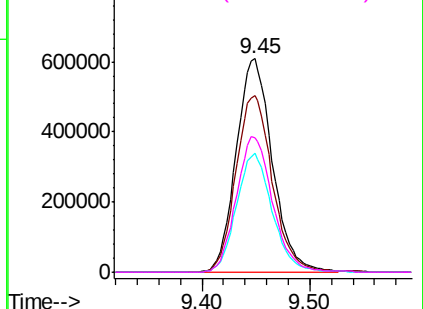
Tot Ion: 97 Resp: 1418176
 Ion Ratio Lower Upper
 97 100
 83 82.9 67.1 100.7
 85 55.7 44.7 67.1
 99 63.1 49.7 74.5

Manual Integrations
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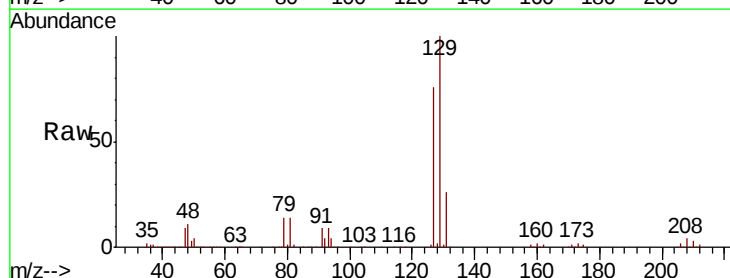


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

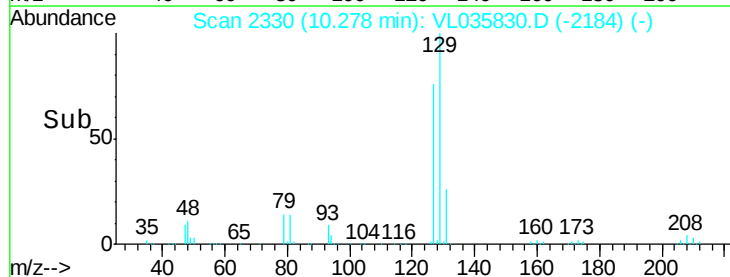
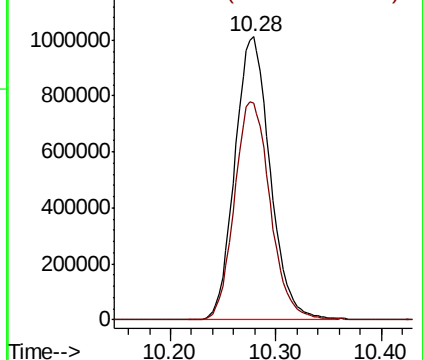


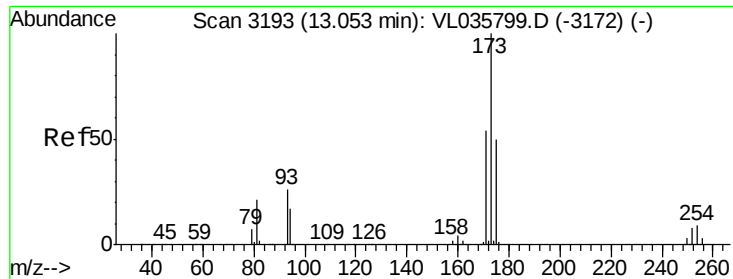
#48
 Dibromochloromethane
 Concen: 10.060 ppbv
 RT: 10.28 min Scan# 2330
 Delta R.T. -0.03 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion: 129 Resp: 2353017
 Ion Ratio Lower Upper
 129 100
 127 78.4 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





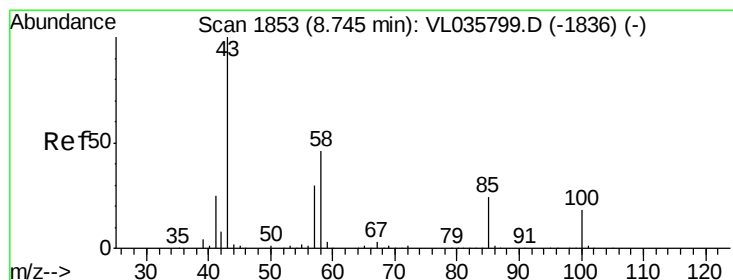
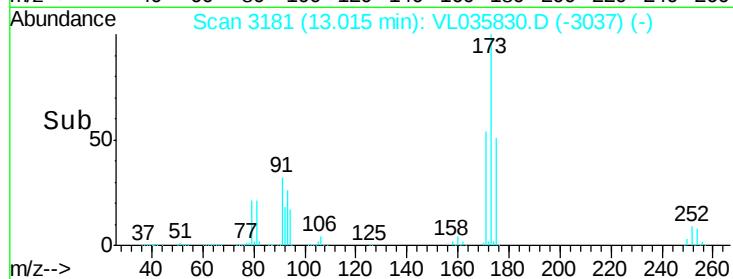
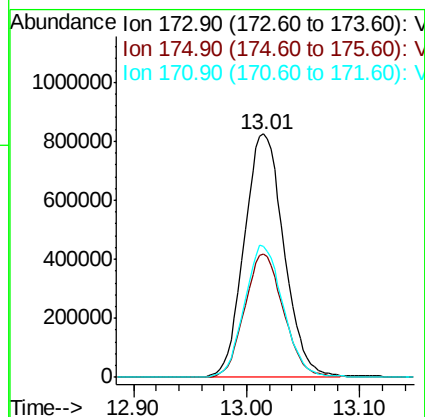
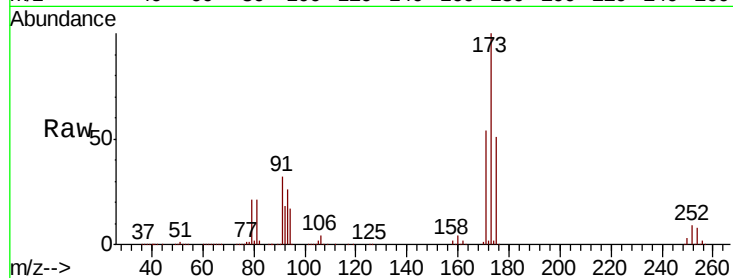
#49
Bromoform
Concen: 10.199 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tot Ion:173 Resp: 2012999
Ion Ratio Lower Upper
173 100
175 50.2 40.1 60.1
171 53.4 42.6 63.8

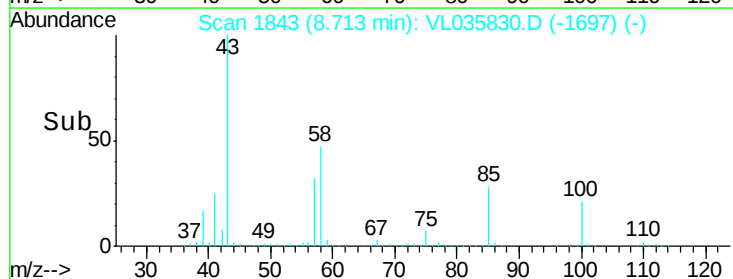
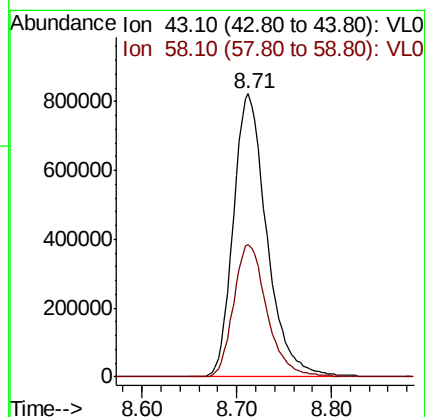
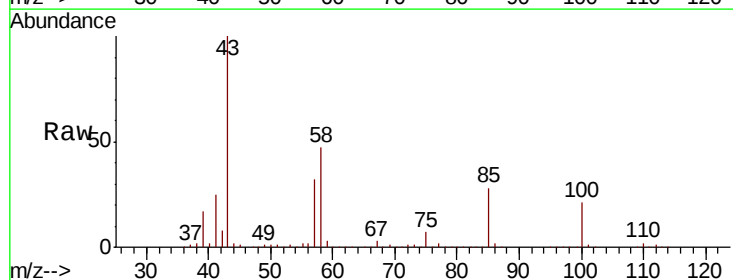
Manual Integrations
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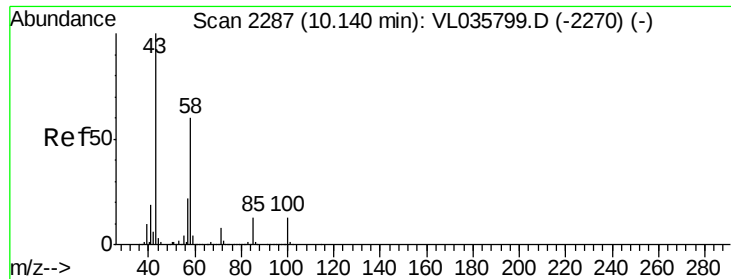
MMDadoda
11/5/2020 2:16:28 PM



#50
4-Methyl-2-Pentanone
Concen: 9.057 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 43 Resp: 2017714
Ion Ratio Lower Upper
43 100
58 47.0 36.0 54.0





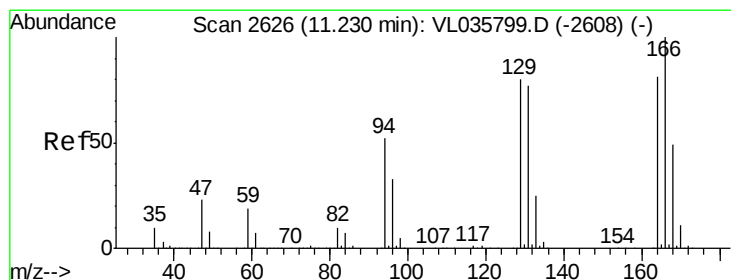
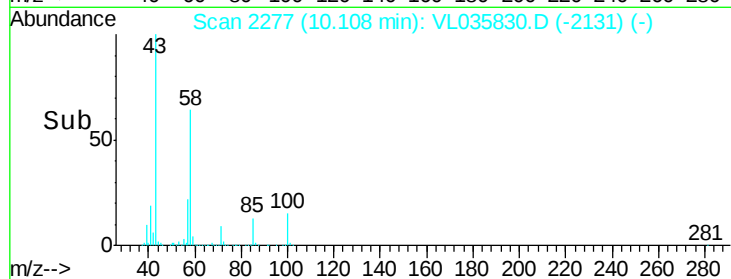
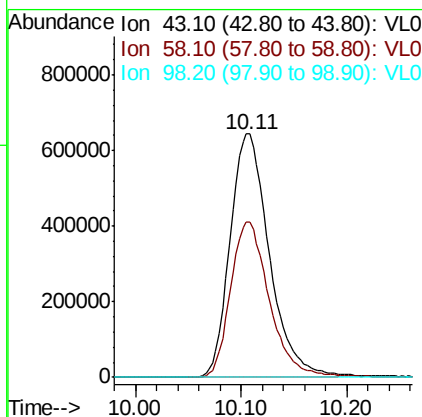
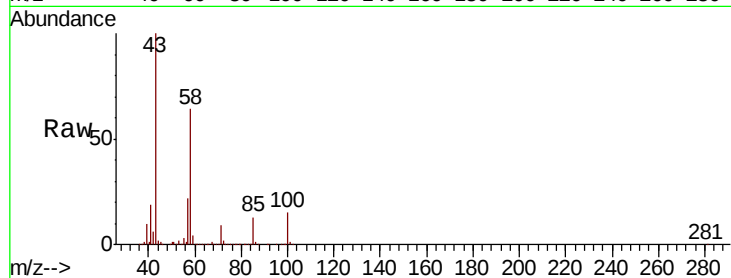
#51
2-Hexanone
Concen: 9.262 ppbv
RT: 10.11 min Scan# 2277
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tot Ion: 43 Resp: 1657560
Ion Ratio Lower Upper
43 100
58 63.8 48.3 72.5
98 0.3 0.6 0.8#

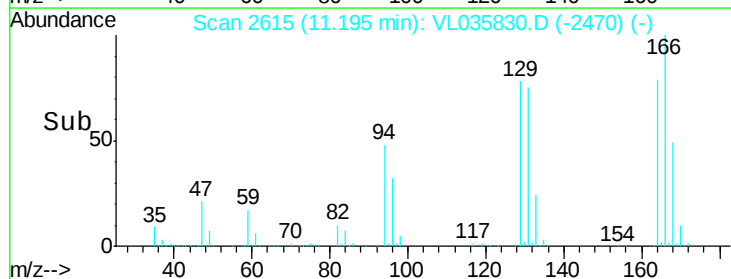
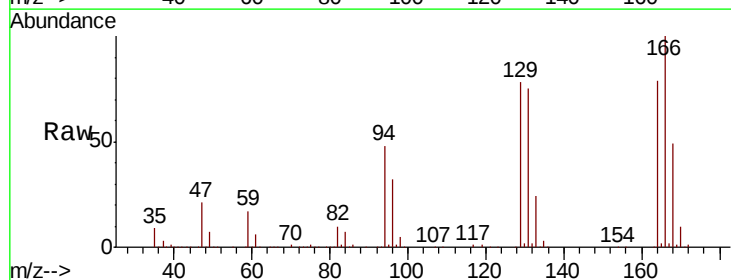
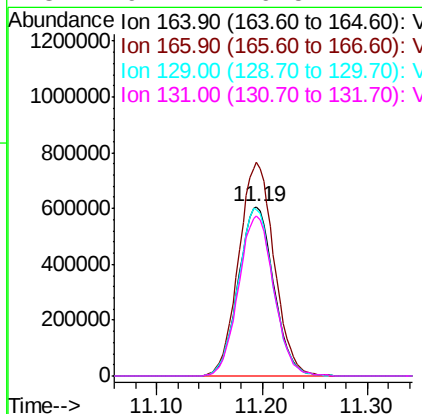
Manual Integrations
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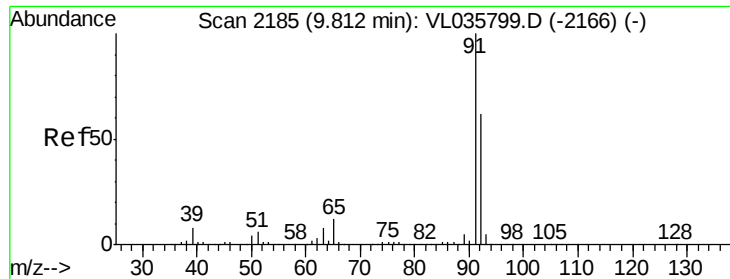
MMDadoda
11/5/2020 2:16:28 PM



#52
Tetrachloroethene
Concen: 8.940 ppbv
RT: 11.19 min Scan# 2615
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion:164 Resp: 1413563
Ion Ratio Lower Upper
164 100
166 126.3 99.3 148.9
129 98.6 79.3 118.9
131 94.7 76.5 114.7





#53

Toluene

Concen: 9.341 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.04 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tot Ion: 91 Resp: 3761609

Ion Ratio Lower Upper

91 100

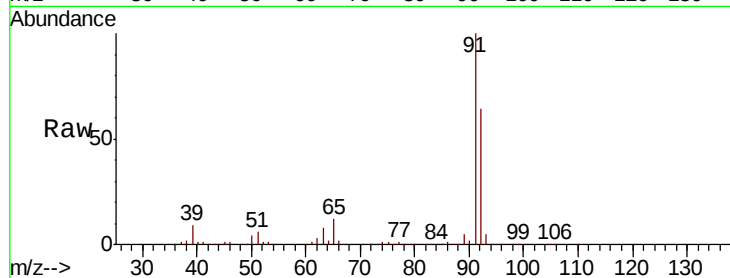
92 62.2 49.8 74.6

Manual Integrations

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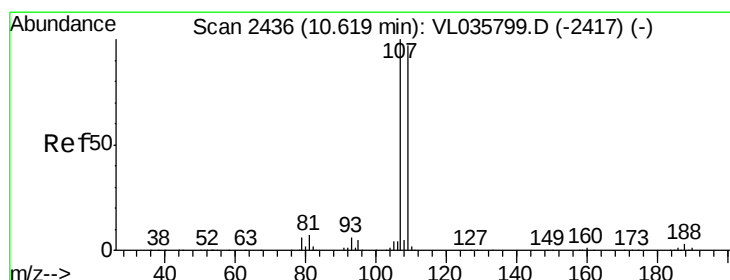
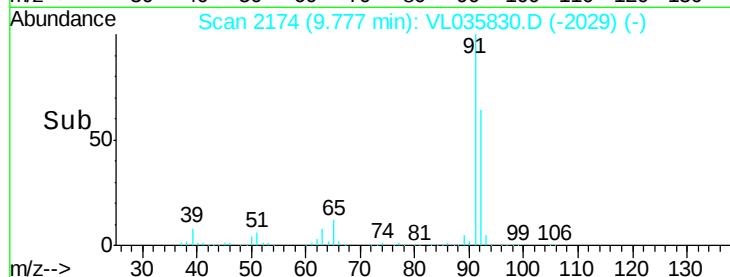
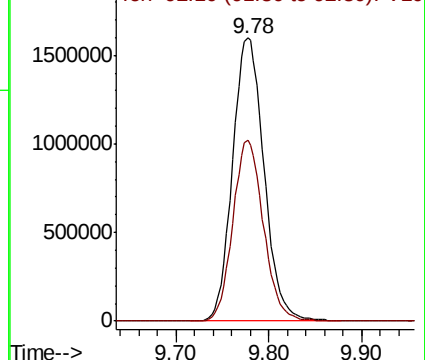
MMDadoda

11/5/2020 2:16:28 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.498 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. -0.04 min

Lab File: VL035830.D

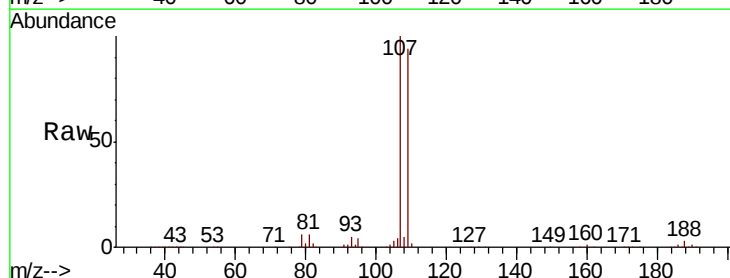
Acq: 4 Nov 2020 12:07

Tgt Ion:107 Resp: 2211529

Ion Ratio Lower Upper

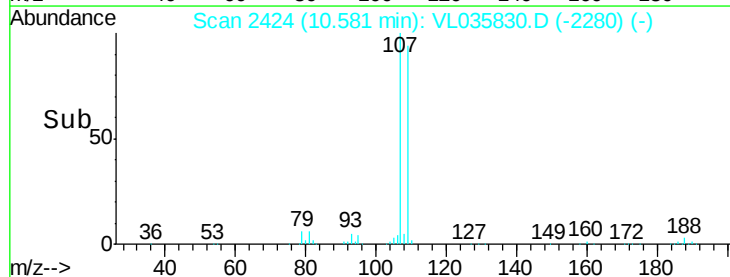
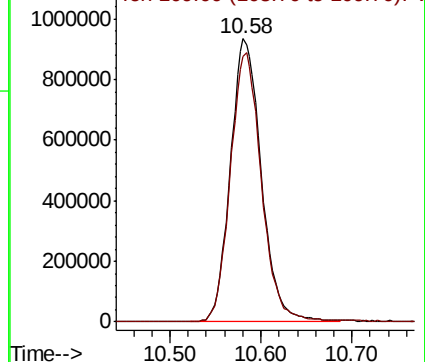
107 100

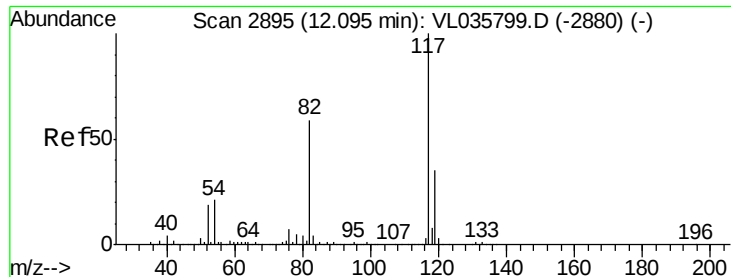
109 94.0 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





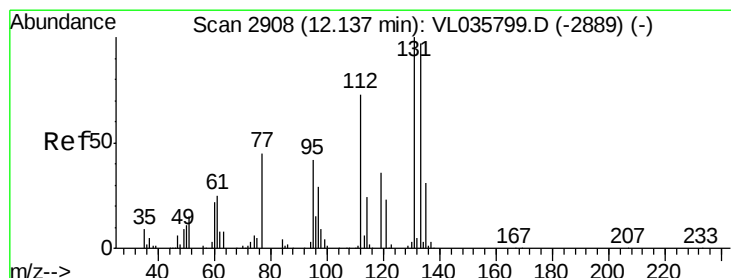
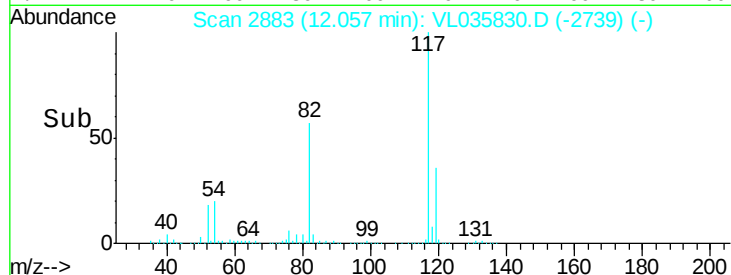
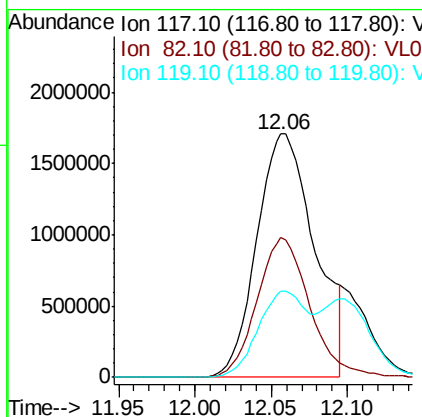
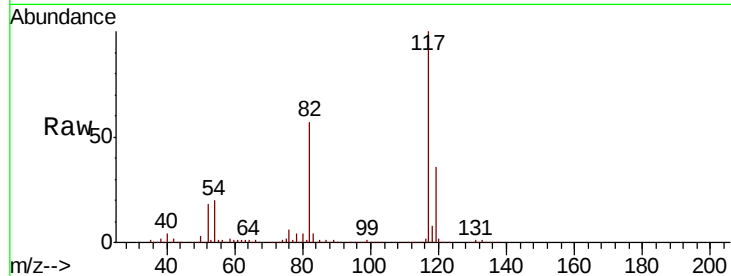
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06 min Scan# 2883
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tot Ion:117 Resp: 4517714
Ion Ratio Lower Upper
117 100
82 52.6 50.6 76.0
119 32.7 52.6 78.8#

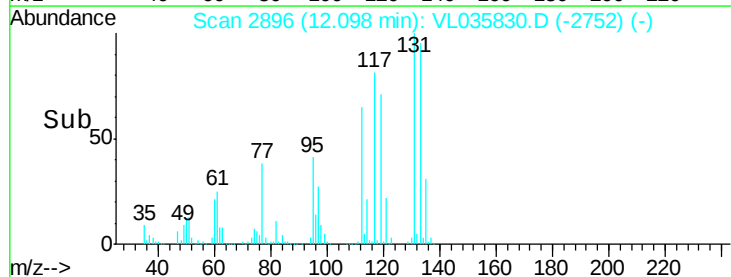
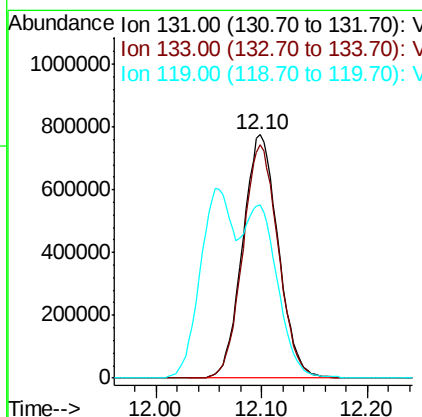
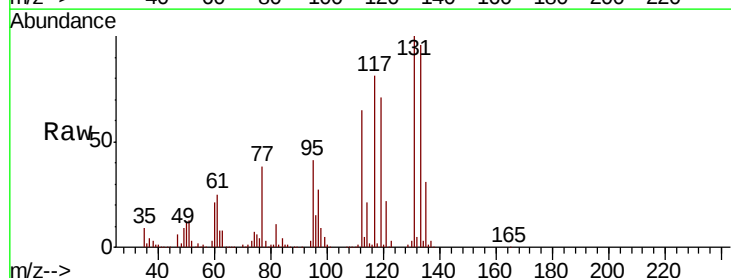
Manual Integrations
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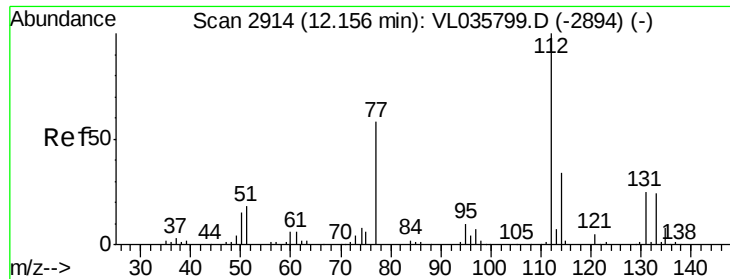
MMDadoda
11/5/2020 2:16:28 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 8.977 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion:131 Resp: 1820294
Ion Ratio Lower Upper
131 100
133 96.0 76.8 115.2
119 61.5 47.4 71.0





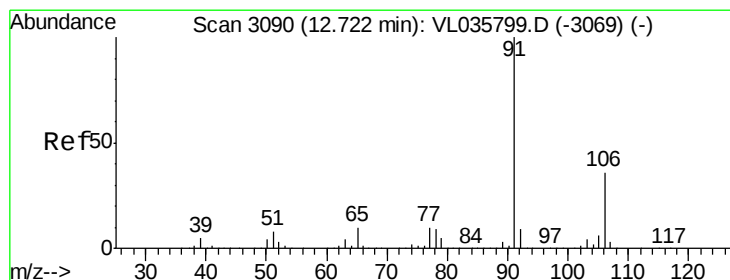
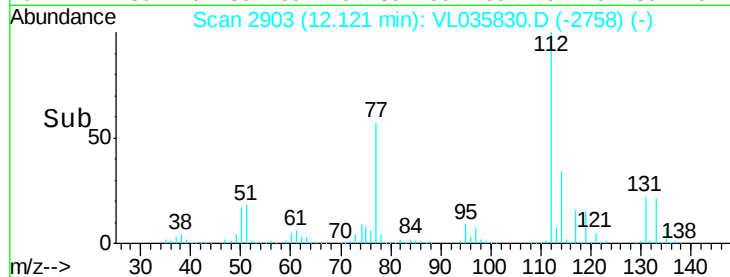
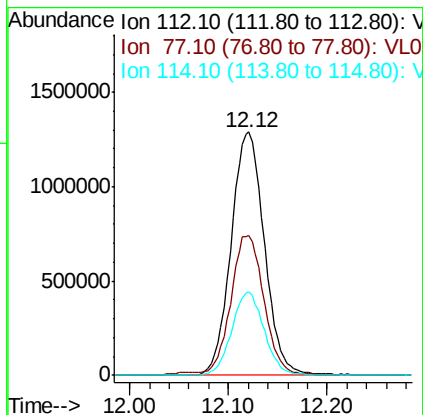
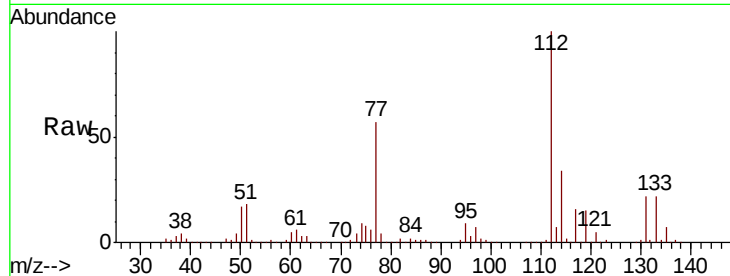
#57
Chlorobenzene
Concen: 8.421 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tot Ion: 112 Resp: 3024847
Ion Ratio Lower Upper
112 100
77 57.2 47.5 71.3
114 34.4 30.3 37.1

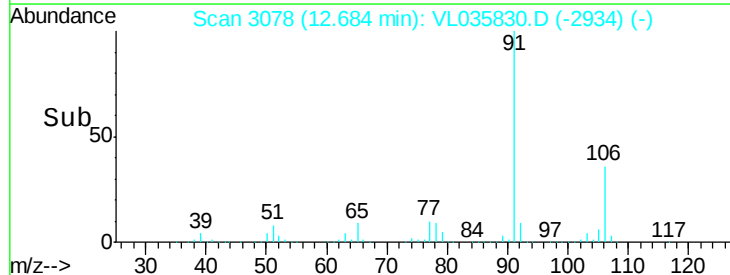
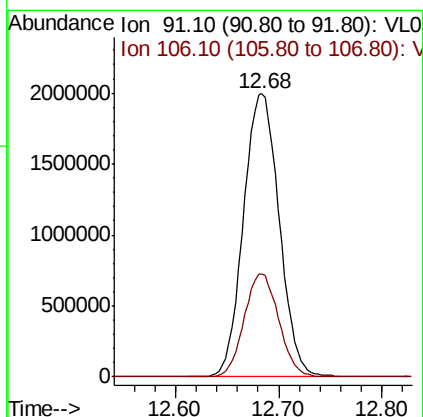
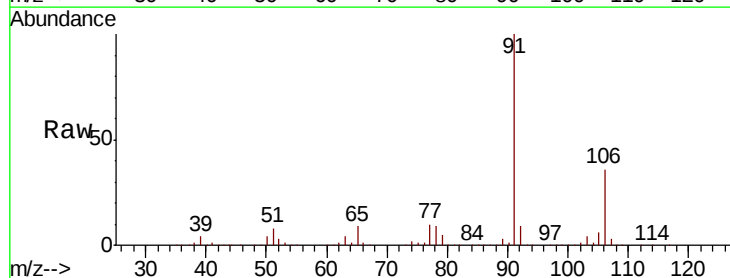
Manual Integrations
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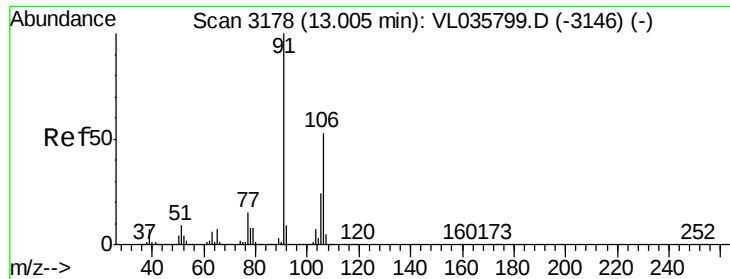
MMDadoda
11/5/2020 2:16:28 PM



#58
Ethyl Benzene
Concen: 8.728 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 91 Resp: 4802276
Ion Ratio Lower Upper
91 100
106 36.3 28.6 43.0





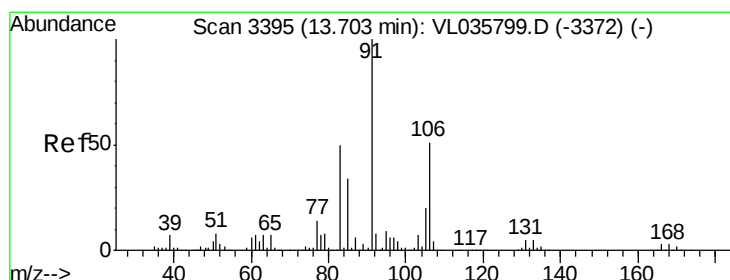
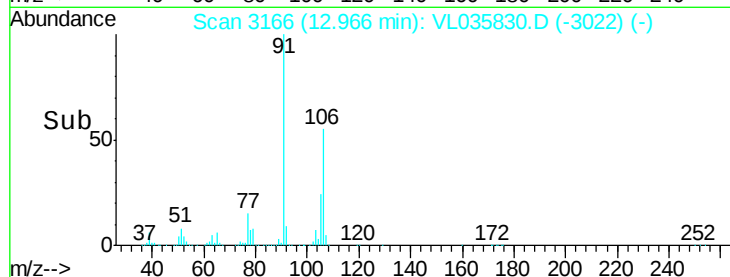
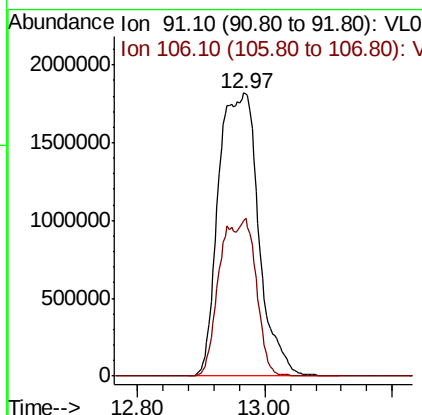
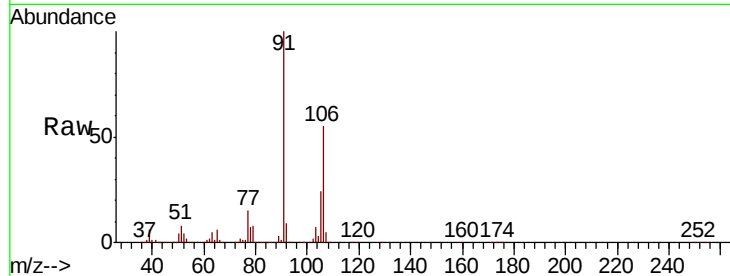
#59
m/p-Xylene
Concen: 17.107 ppbv m
RT: 12.97 min Scan# 3166
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tot Ion: 91 Resp: 7963837
Ion Ratio Lower Upper
91 100
106 50.4 39.5 59.3

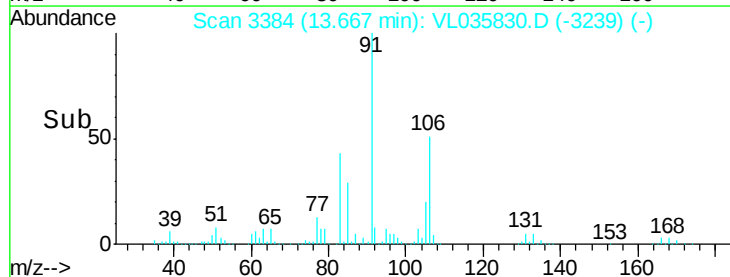
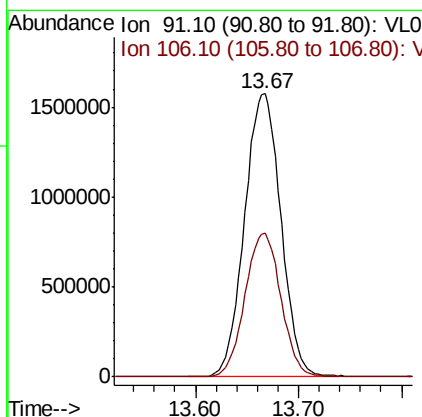
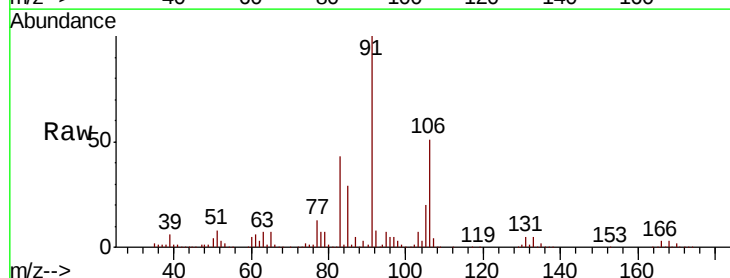
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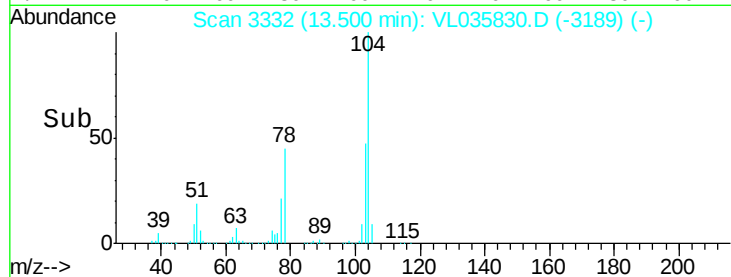
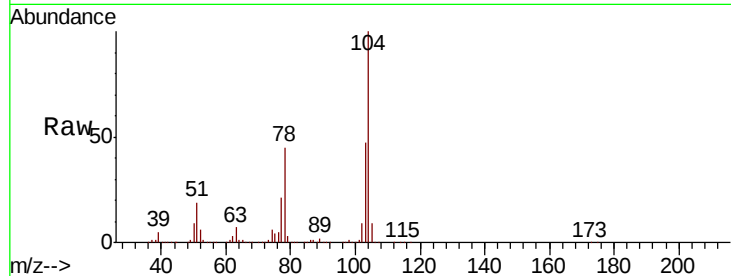
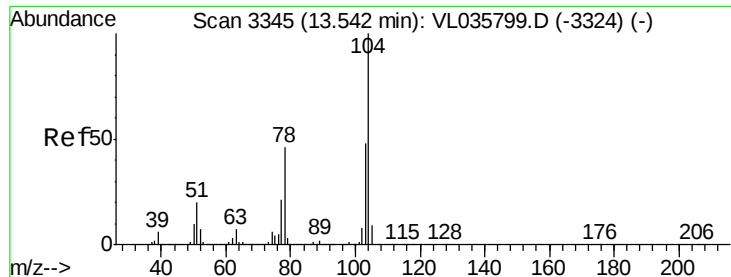
MMDadoda
11/5/2020 2:16:28 PM



#60
o-Xylene
Concen: 8.498 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 91 Resp: 3848232
Ion Ratio Lower Upper
91 100
106 50.2 24.8 74.4





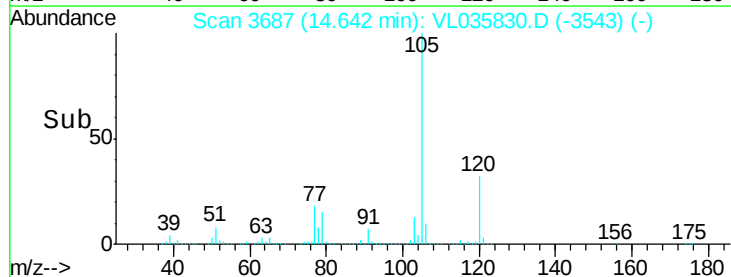
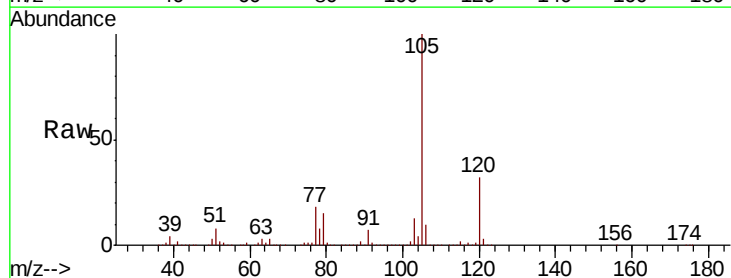
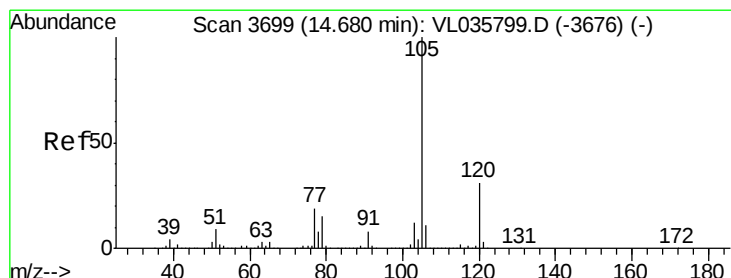
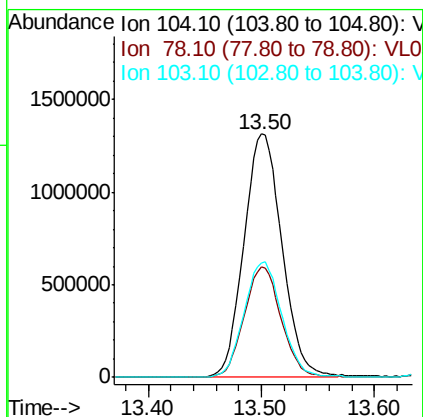
#61
Stvrene
Concen: 9.289 ppbv
RT: 13.50 min Scan# 3332
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	44.3	37.1	55.7
103	47.1	37.9	56.9

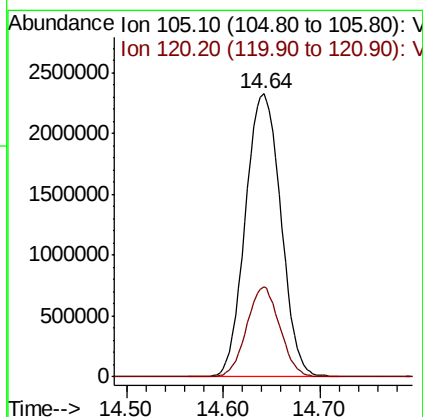
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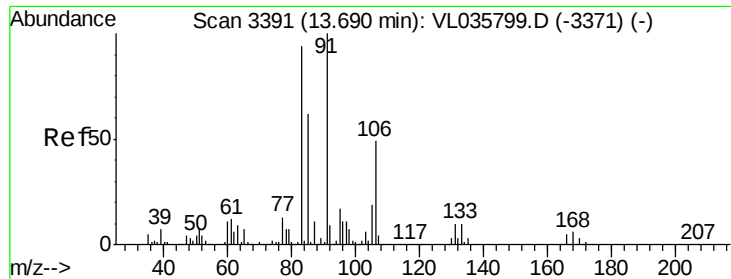
MMDadoda
11/5/2020 2:16:28 PM



#62
Isopropylbenzene
Concen: 8.349 ppbv
RT: 14.64 min Scan# 3687
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.7	23.5	35.3





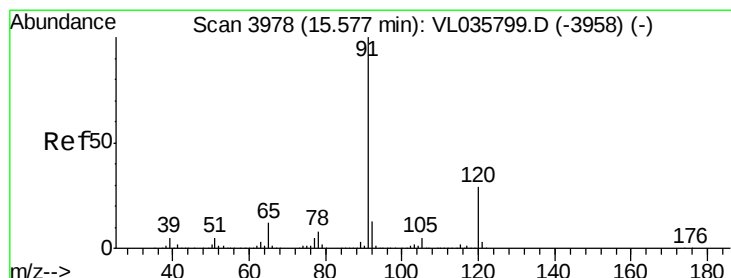
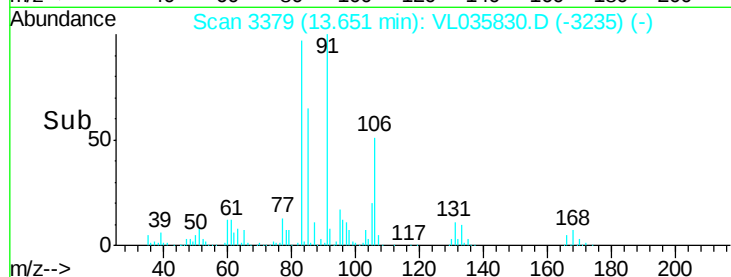
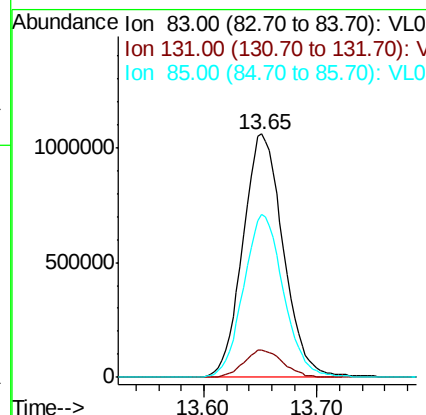
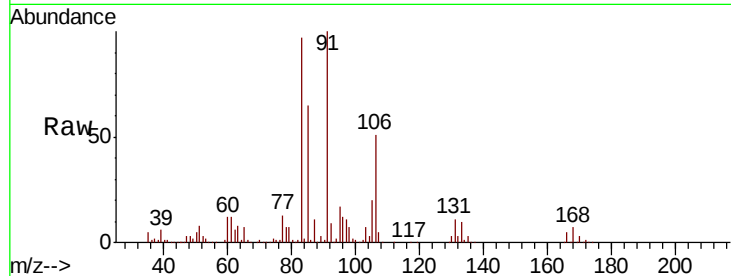
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.490 ppbv
 RT: 13.65 min Scan# 3379
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01

Tot Ion	83	Resp	2628248
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.3	15.8
85	67.0	33.5	100.4

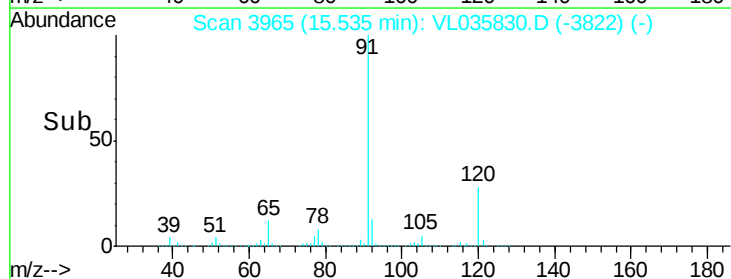
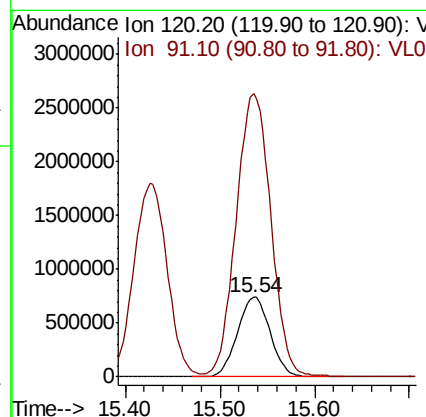
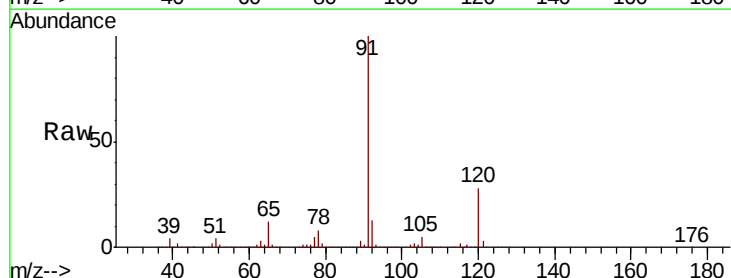
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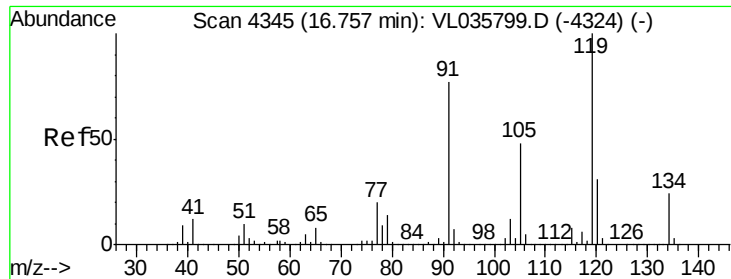
MMDadoda
 11/5/2020 2:16:28 PM



#64
 n-propylbenzene
 Concen: 8.648 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion	120	Resp	1779215
Ion	Ratio	Lower	Upper
120	100		
91	378.1	311.1	466.7





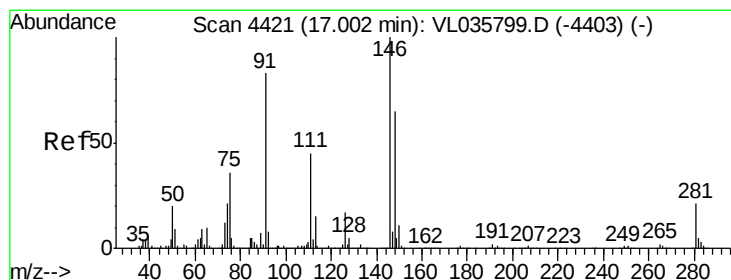
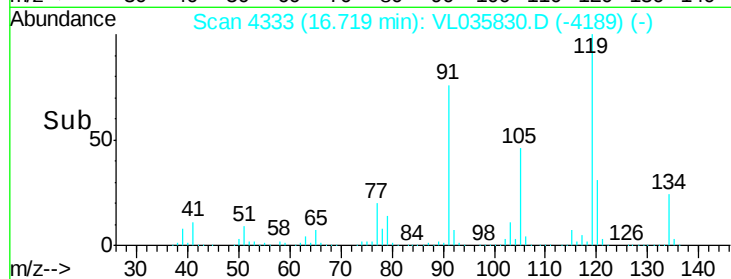
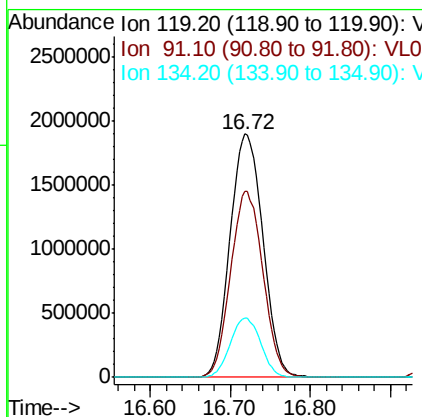
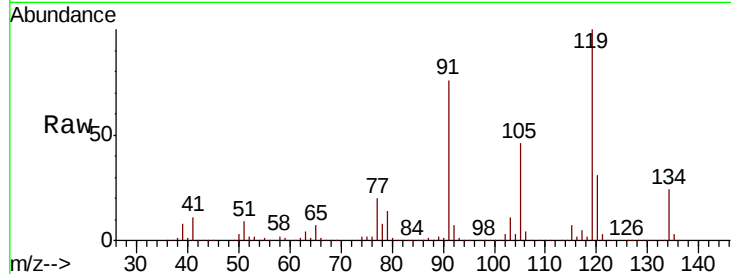
#65
tert-Butylbenzene
Concen: 8.161 ppbv
RT: 16.72 min Scan# 4333
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tot Ion:119 Resp: 5287513
Ion Ratio Lower Upper
119 100
91 75.0 62.0 93.0
134 22.6 17.8 26.8

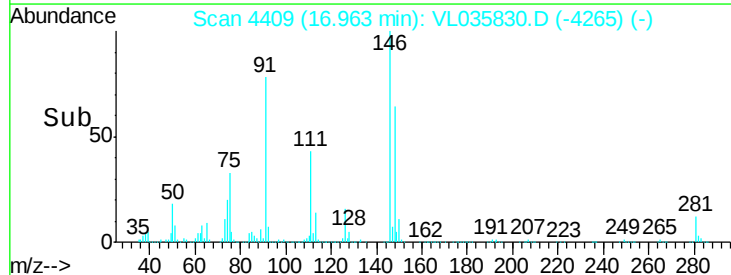
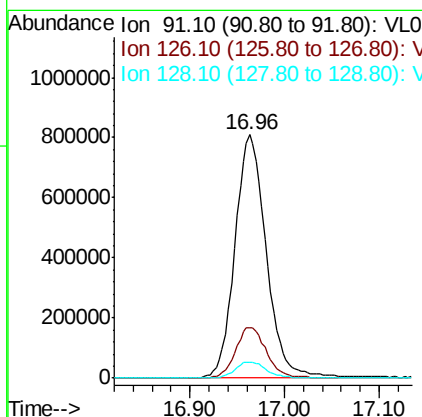
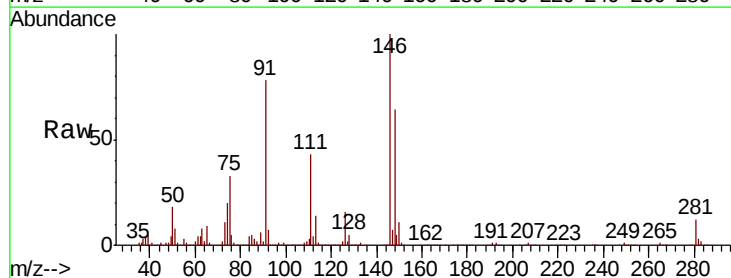
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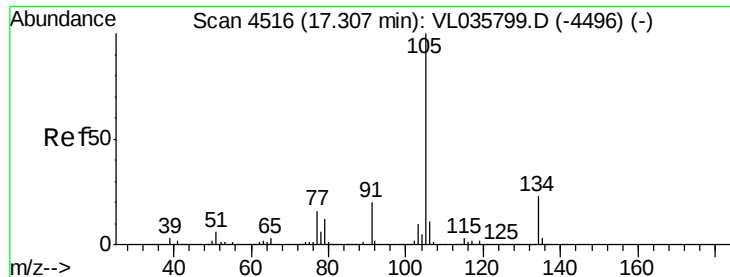
MMDadoda
11/5/2020 2:16:28 PM



#66
Benzyl Chloride
Concen: 8.663 ppbv
RT: 16.96 min Scan# 4409
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 91 Resp: 1855158
Ion Ratio Lower Upper
91 100
126 20.9 16.0 24.0
128 6.8 5.0 7.4





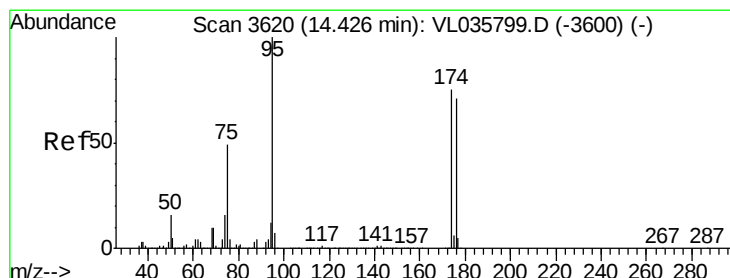
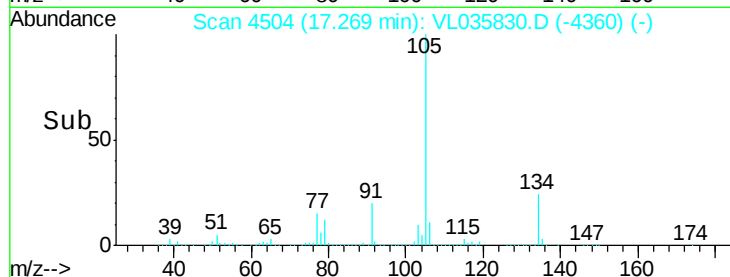
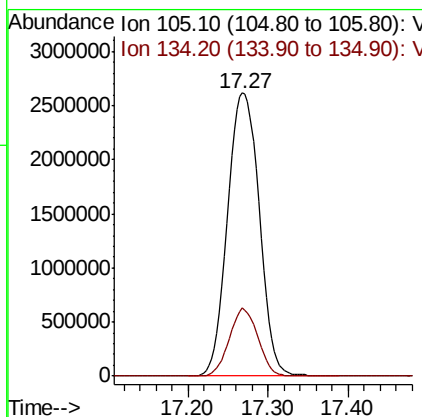
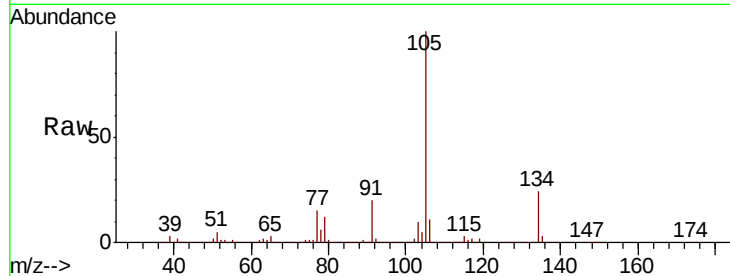
#67
 sec-Butylbenzene
 Concen: 8.067 ppbv
 RT: 17.27 min Scan# 4504
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01

Tot Ion: 105 Resp: 7043094
 Ion Ratio Lower Upper
 105 100
 134 21.7 17.0 25.6

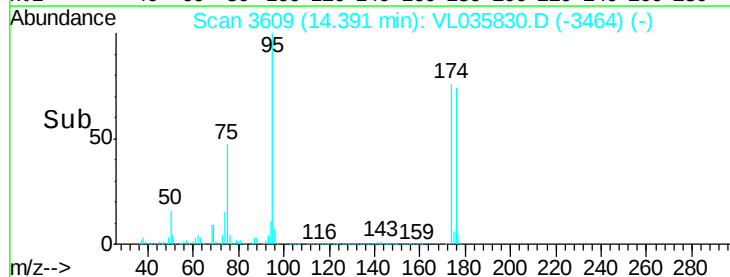
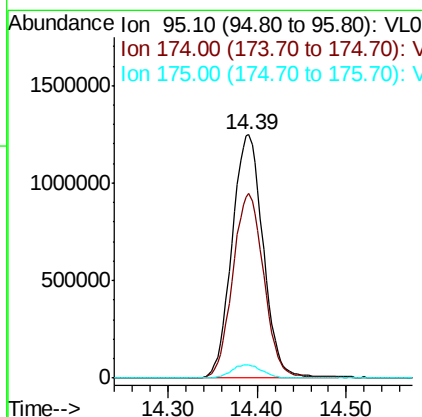
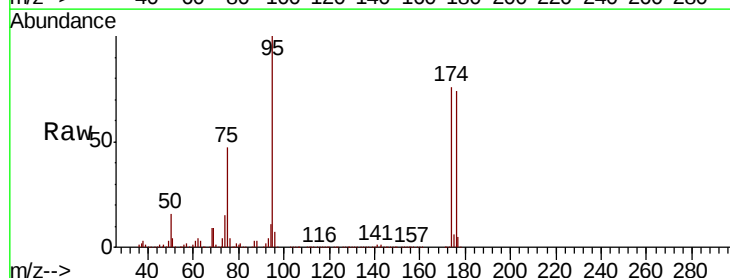
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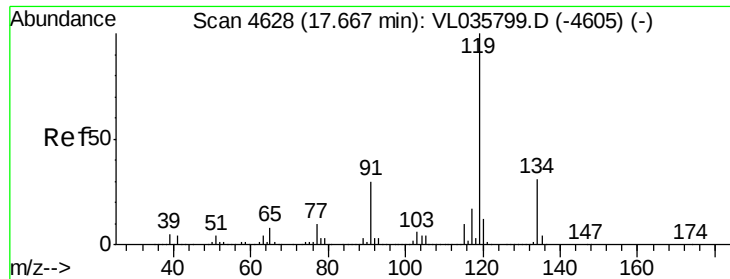
MMDadoda
 11/5/2020 2:16:28 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.409 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion: 95 Resp: 3020181
 Ion Ratio Lower Upper
 95 100
 174 76.5 59.8 89.6
 175 5.5 4.3 6.5





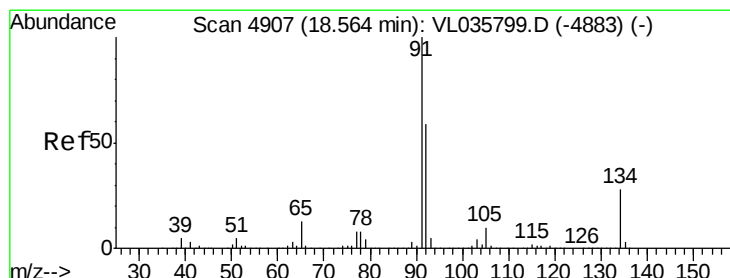
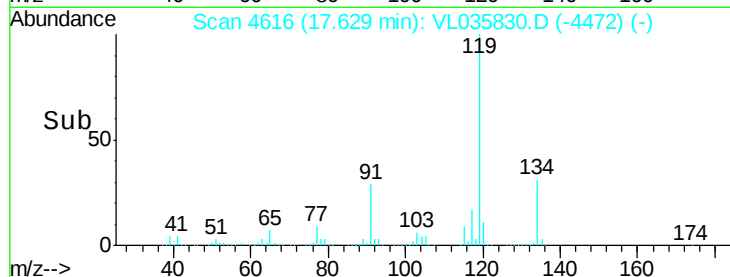
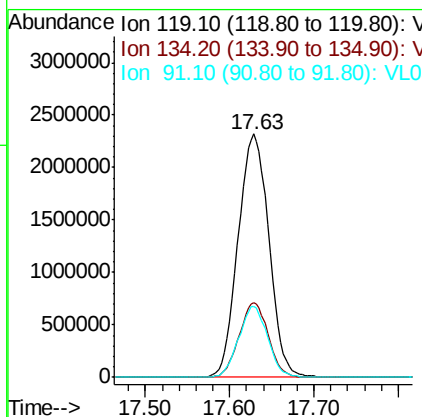
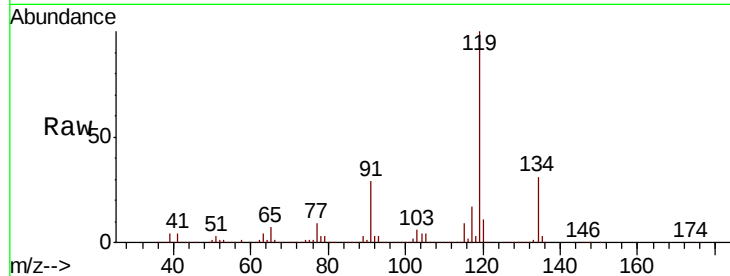
#69
p-Isopropyltoluene
Concen: 8.190 ppbv
RT: 17.63 min Scan# 4616
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tot Ion: 119 Resp: 5900757
Ion Ratio Lower Upper
119 100
134 29.3 23.0 34.6
91 27.5 22.8 34.2

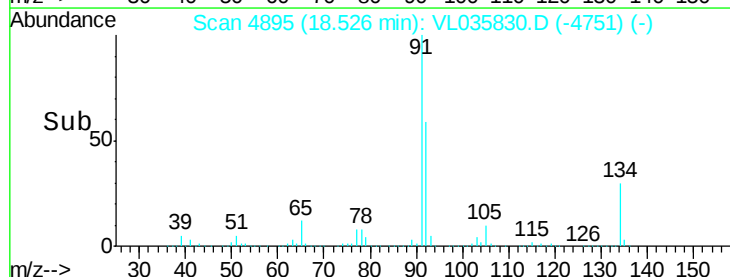
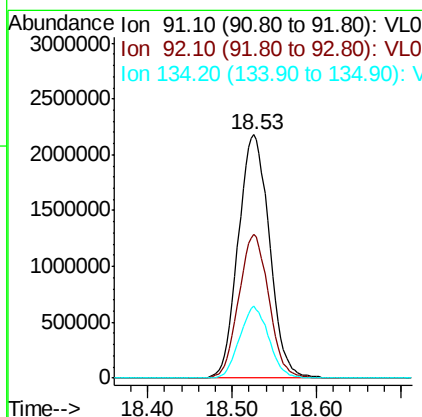
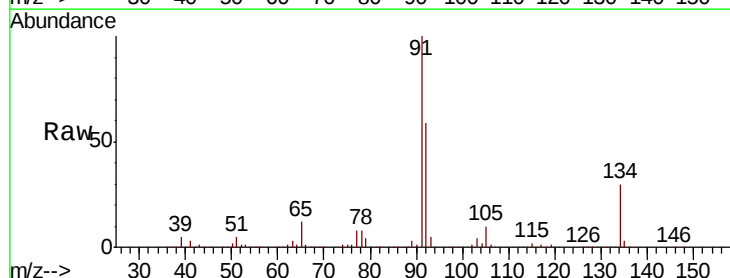
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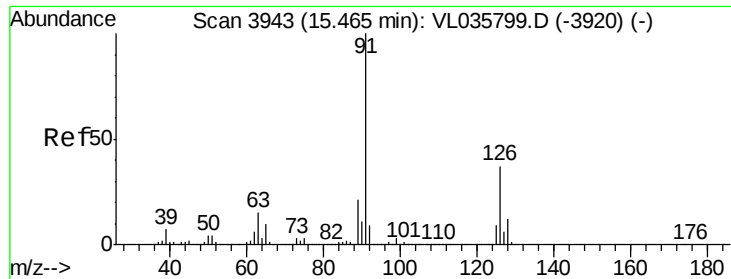
MMDadoda
11/5/2020 2:16:28 PM



#70
n-Butylbenzene
Concen: 8.088 ppbv
RT: 18.53 min Scan# 4895
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 91 Resp: 5611499
Ion Ratio Lower Upper
91 100
92 57.1 45.7 68.5
134 27.8 21.0 31.4





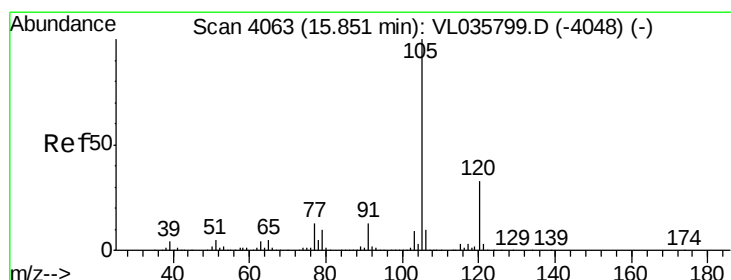
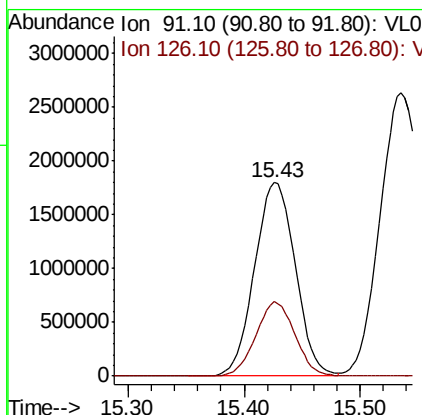
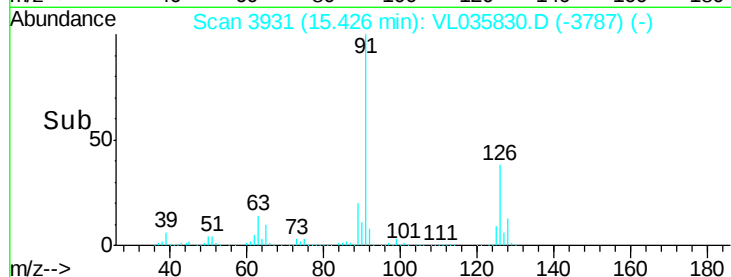
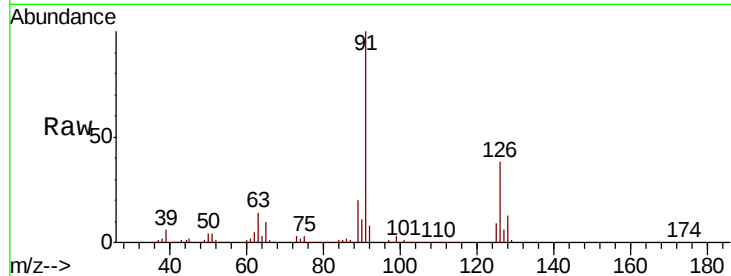
#71
2-Chlorotoluene
Concen: 8.459 ppbv
RT: 15.43 min Scan# 3931
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tot Ion: 91 Resp: 4403937
Ion Ratio Lower Upper
91 100
126 37.0 14.3 57.1

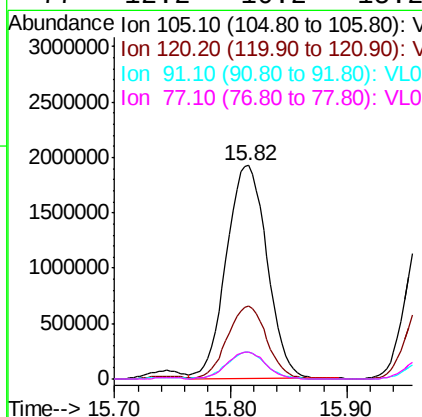
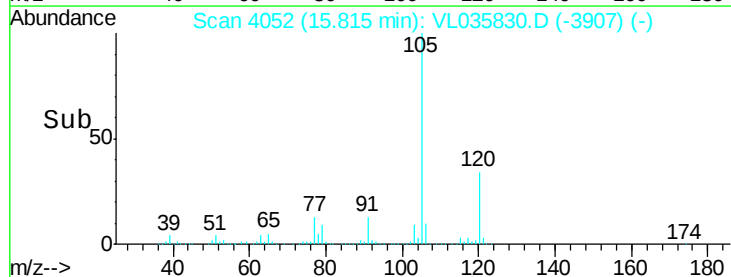
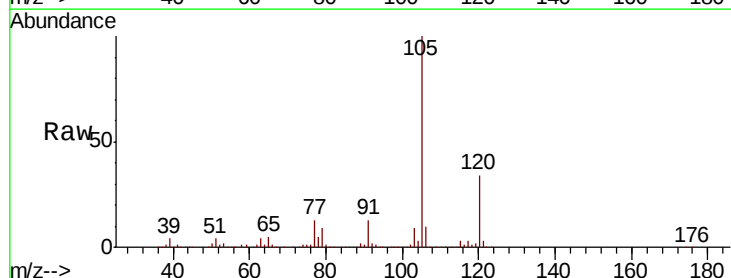
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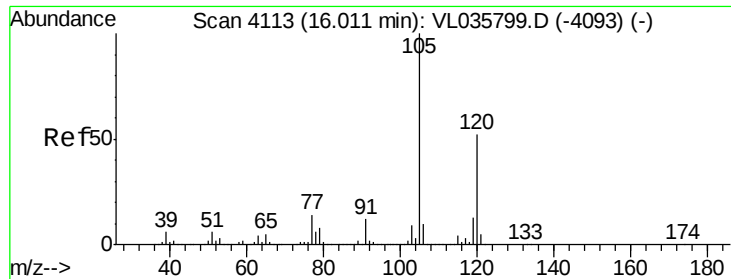
MMDadoda
11/5/2020 2:16:28 PM



#72
4-Ethyltoluene
Concen: 8.544 ppbv
RT: 15.82 min Scan# 4052
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 105 Resp: 4692430
Ion Ratio Lower Upper
105 100
120 33.2 25.9 38.9
91 11.9 9.9 14.9
77 12.2 10.2 15.2





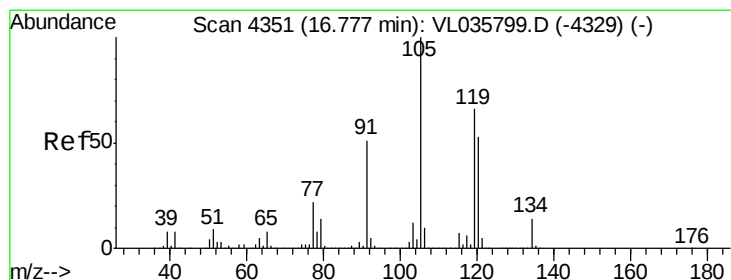
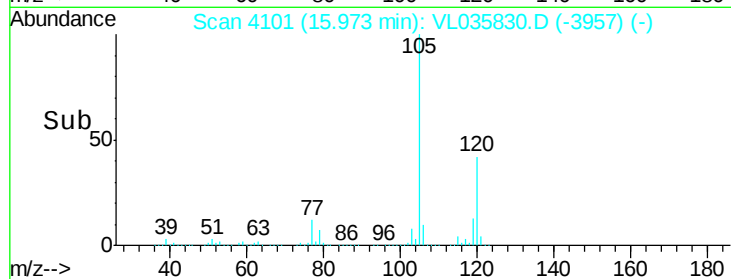
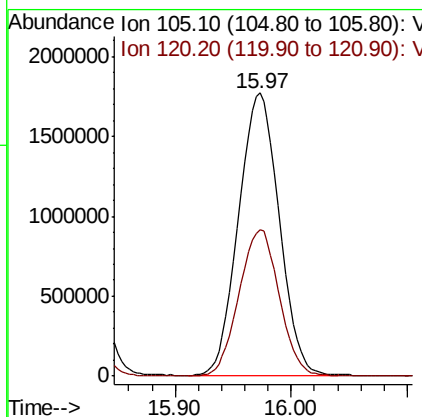
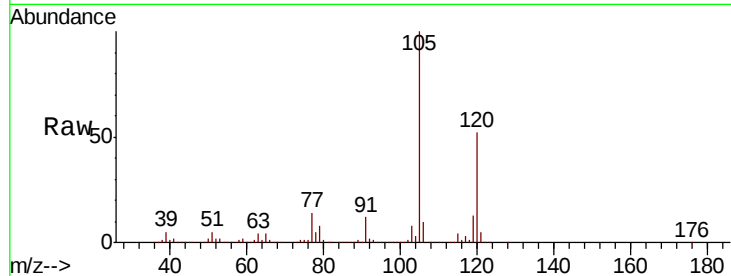
#73
 1,3,5-Trimethylbenzene
 Concen: 8.559 ppbv
 RT: 15.97 min Scan# 4101
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01

Tot Ion:105 Resp: 4301962
 Ion Ratio Lower Upper
 105 100
 120 51.8 41.4 62.2

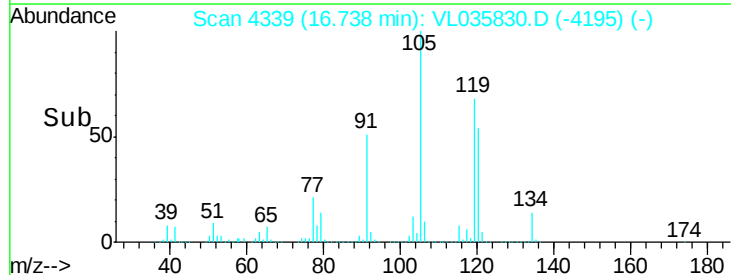
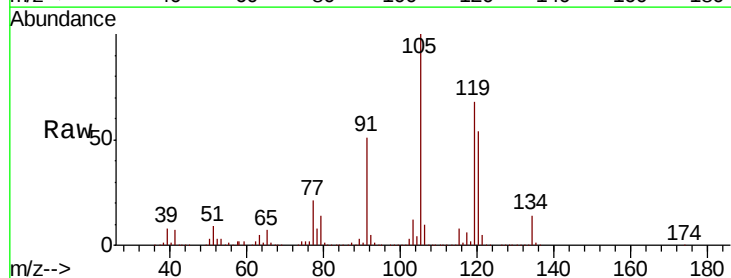
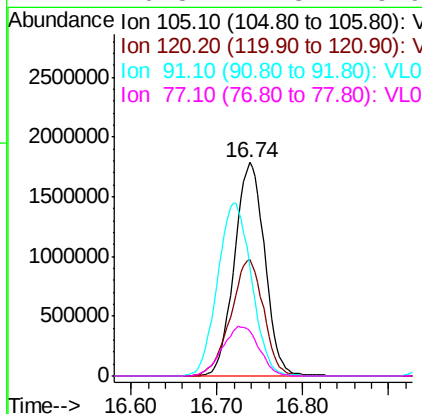
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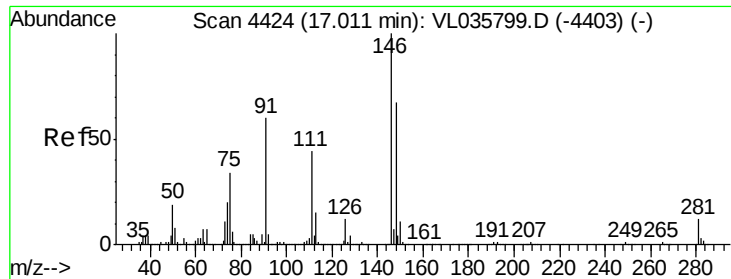
MMDadoda
 11/5/2020 2:16:28 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 8.133 ppbv
 RT: 16.74 min Scan# 4339
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion:105 Resp: 4380049
 Ion Ratio Lower Upper
 105 100
 120 54.3 42.0 63.0
 91 51.1 41.0 61.6
 77 20.8 17.3 25.9





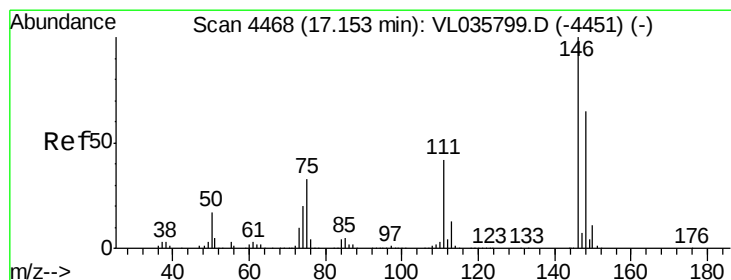
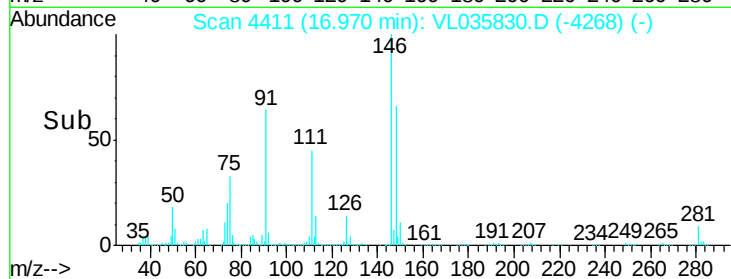
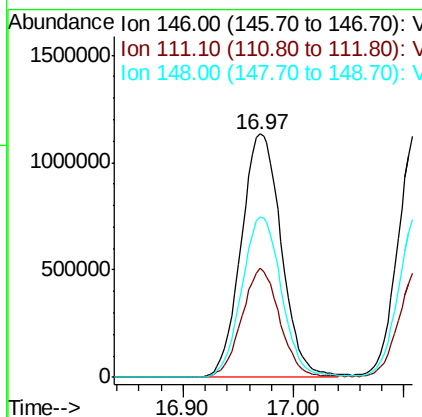
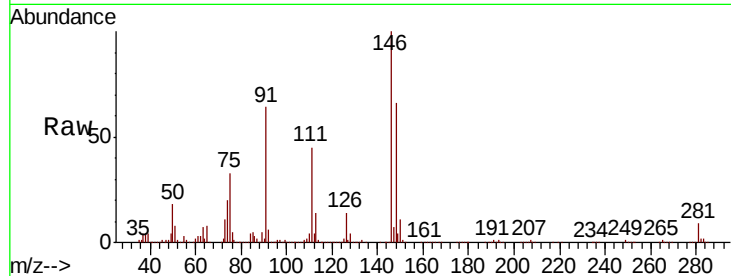
#75
 1,3-Dichlorobenzene
 Concen: 8.340 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.8	65.4
148	65.1	32.5	97.5

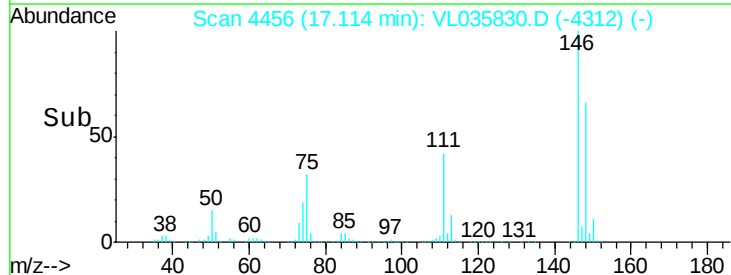
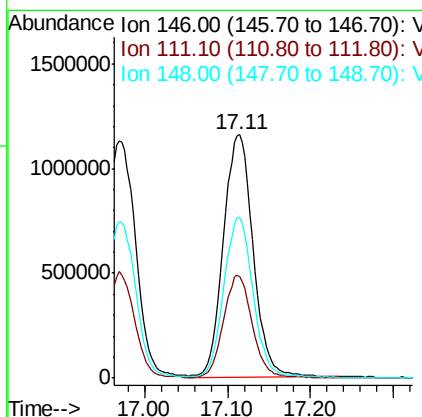
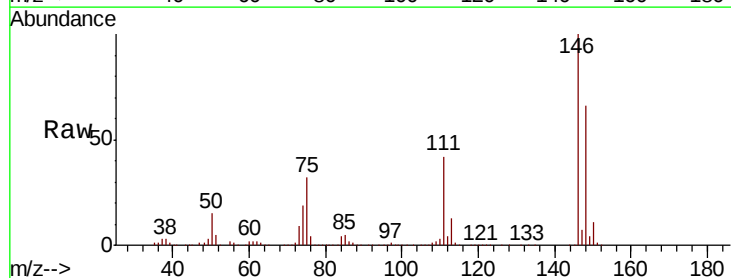
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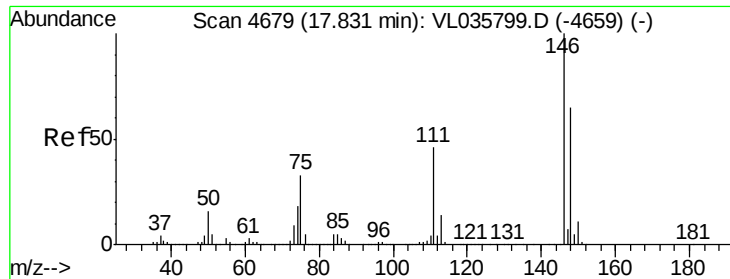
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#76
 1,4-Dichlorobenzene
 Concen: 8.733 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.3	63.7
148	65.8	33.0	99.0





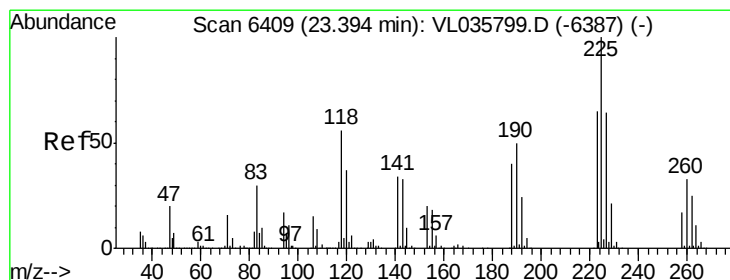
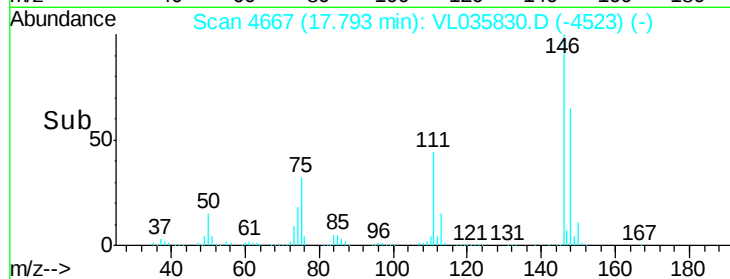
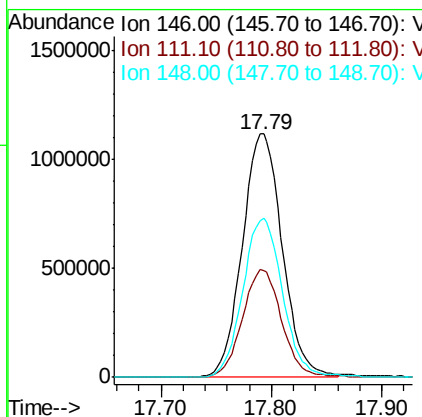
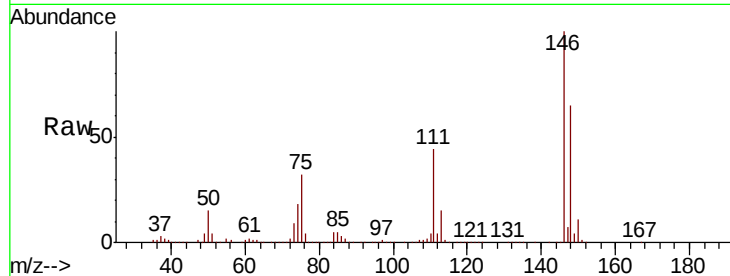
#77
 1,2-Dichlorobenzene
 Concen: 8.387 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampled :
 VL1104ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.4	67.0
148	65.3	32.5	97.5

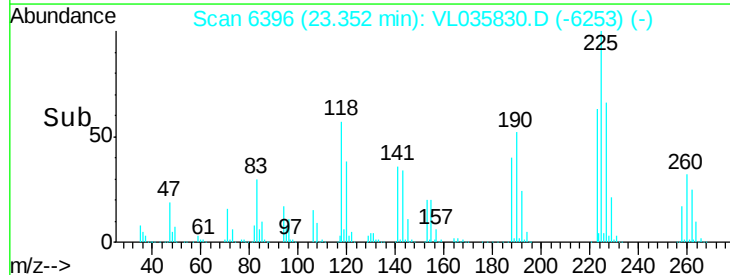
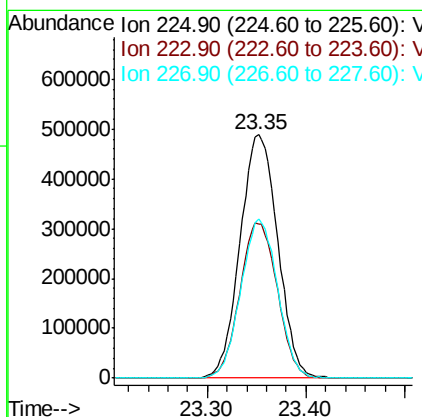
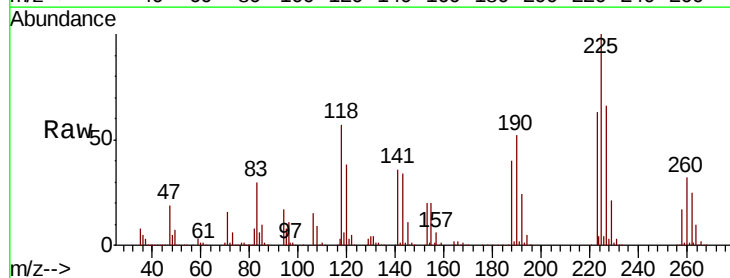
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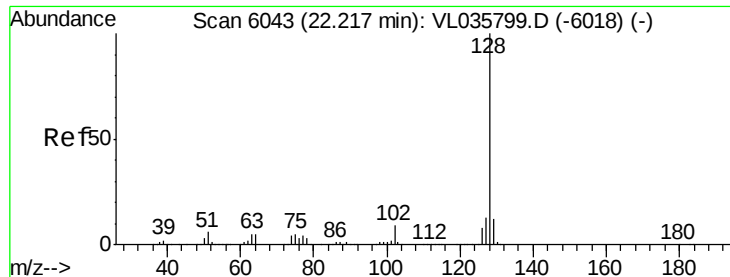
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.279 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.0	76.6
227	64.1	51.2	76.8





#79

Naphthalene

Concen: 9.171 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. -0.05 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tot Ion:128 Resp: 3443311

Ion Ratio Lower Upper

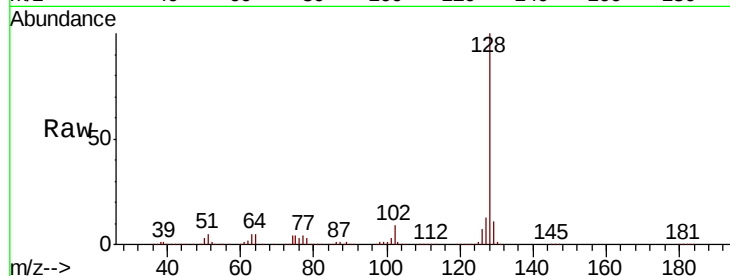
128 100

127 12.7 10.2 15.4

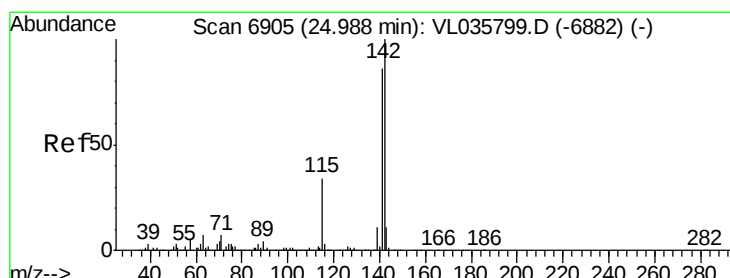
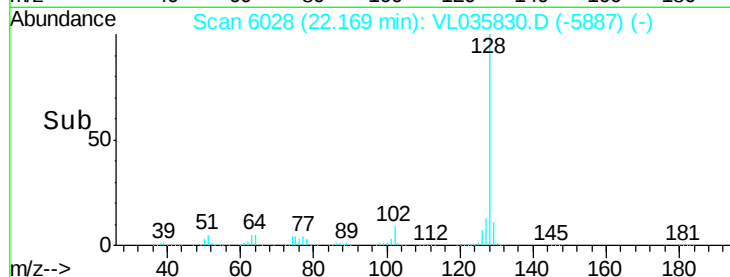
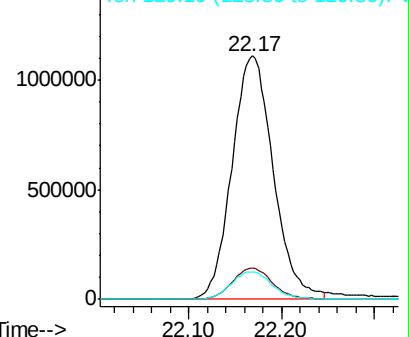
129 11.4 9.2 13.8

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Abundance Ion 128.10 (127.80 to 128.80): V
1500000 Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.119 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

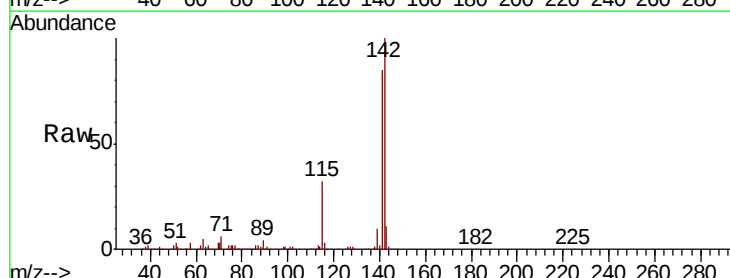
Tgt Ion:142 Resp: 741488

Ion Ratio Lower Upper

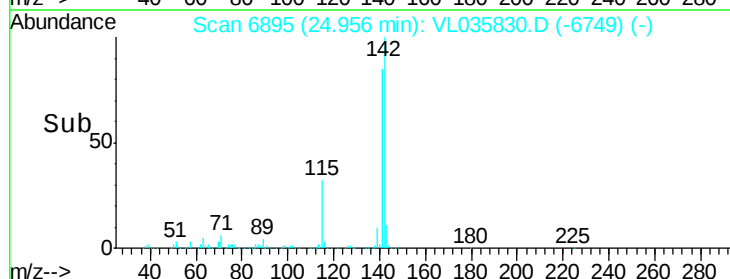
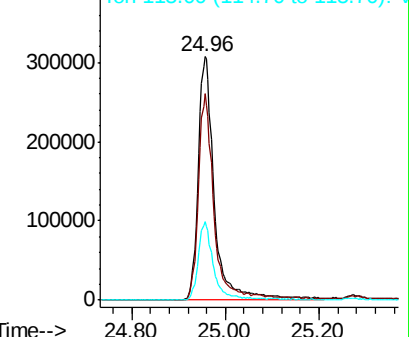
142 100

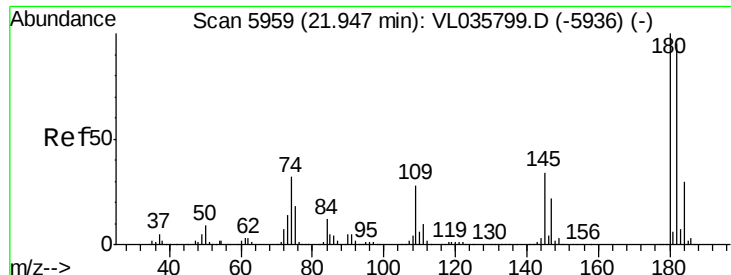
141 81.7 67.8 101.8

115 31.0 28.1 42.1



Abundance Ion 142.00 (141.70 to 142.70): V
400000 Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.934 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. -0.05 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	77.2	115.8
184	31.2	24.7	37.1

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