

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035342.D
 Acq On : 6 Aug 2020 7:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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 8/7/2020 12:53:26 PM

Quant Time: Aug 07 06:34:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1458396	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3628312	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3594462	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2941732	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1497284	7.719	ppbv	99
3) Chlorodifluoromethane	2.94	51	1487693	8.936	ppbv	99
4) Chloromethane	3.09	50	842767	8.941	ppbv	98
5) Vinyl Chloride	3.21	62	853790	8.806	ppbv	98
6) Bromomethane	3.43	94	533348	8.980	ppbv	97
7) Chloroethane	3.51	64	322274	8.950	ppbv #	89
8) Dichlorotetrafluoroethane	3.14	85	1986618	8.664	ppbv	100
9) Propene	2.96	41	570034	9.609	ppbv	98
10) Heptane	8.12	43	1647809	10.874	ppbv	99
11) Trichlorofluoromethane	3.91	101	2158186	8.587	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1535019	8.545	ppbv	99
13) Ethanol	3.56	45	135446	6.620	ppbv	96
14) Bromoethene	3.70	108	661483	9.183	ppbv	97
15) Acetone	3.81	43	1608846	7.768	ppbv	99
16) 1,3-Butadiene	3.28	39	770973	9.672	ppbv	97
17) tert-Butyl alcohol	4.26	59	1657301	8.719	ppbv	100
18) 1,1-Dichloroethene	4.25	96	701146	9.090	ppbv	92
19) Isopropyl Alcohol	3.93	45	1076973	8.204	ppbv	99
20) Methylene Chloride	4.31	84	645611	7.644	ppbv	94
21) Allyl Chloride	4.38	41	1134598	9.562	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	682566	9.126	ppbv	96
23) Vinyl Acetate	5.05	43	2049581	10.321	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1709249	9.159	ppbv	99
25) Ethyl Acetate	5.65	43	2976804	9.460	ppbv	100
26) Hexane	5.67	57	1335287	9.783	ppbv	100
27) Carbon Disulfide	4.52	76	1869842	9.796	ppbv	100
28) Methyl tert-Butyl Ether	5.00	73	1996915	10.062	ppbv	98
29) Chloroform	5.74	83	2137659	9.084	ppbv	99
30) Cyclohexane	7.12	84	1104204	10.669	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1282446	10.569	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	2112011	8.539	ppbv	100
34) 2-Butanone	5.22	43	1840826	10.304	ppbv	98
35) Carbon Tetrachloride	7.01	117	2269051	9.088	ppbv	99
36) Benzene	6.89	78	2593830	10.587	ppbv	97
37) 1,2-Dichloroethane	6.29	62	1635878	9.557	ppbv	99
38) Trichloroethene	7.84	130	1131236	10.009	ppbv	97
39) 1,2-Dichloropropane	7.61	63	996872	10.051	ppbv	97
40) 1,4-Dioxane	7.83	88	415768	9.788	ppbv #	1
41) Tetrahydrofuran	6.03	42	986810	11.256	ppbv	99
42) Bromodichloromethane	7.79	83	2288900	9.958	ppbv	99
43) Methyl Methacrylate	8.01	69	1171986	11.370	ppbv	100

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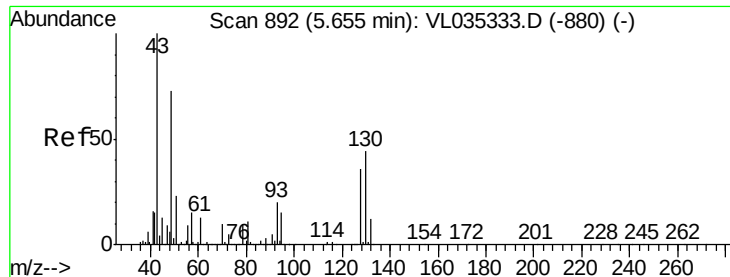
Manual Integrations
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Quant Time: Aug 07 06:34:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4495215	10.327	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1341415	12.545	ppbv	91
46) cis-1,3-Dichloropropene	8.71	75	1564116	12.112	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1168034	9.794	ppbv	98
48) Dibromochloromethane	10.32	129	2031064	10.397	ppbv	100
49) Bromoform	13.07	173	1896006	10.651	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2820091	10.339	ppbv	99
51) 2-Hexanone	10.14	43	2347934	10.980	ppbv #	100
52) Tetrachloroethene	11.24	164	1001418	10.309	ppbv	96
53) Toluene	9.82	91	3108151	11.662	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1782251	10.417	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1591521	9.380	ppbv	97
57) Chlorobenzene	12.17	112	2573183	9.507	ppbv	99
58) Ethyl Benzene	12.73	91	4217093	11.275	ppbv	97
59) m/p-Xylene	13.01	91	7153227m	20.539	ppbv	
60) o-Xylene	13.71	91	3642526	10.539	ppbv	99
61) Styrene	13.55	104	2611885	12.374	ppbv	99
62) Isopropylbenzene	14.69	105	5361517	10.303	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2643241	8.965	ppbv	100
64) n-propylbenzene	15.59	120	1487757	10.638	ppbv	97
65) tert-Butylbenzene	16.77	119	4939919	10.367	ppbv	99
66) Benzyl Chloride	17.02	91	2035555	10.793	ppbv	99
67) sec-Butylbenzene	17.33	105	6822235	10.122	ppbv	100
69) p-Isopropyltoluene	17.68	119	5859998	10.664	ppbv	100
70) n-Butylbenzene	18.58	91	5990304	10.192	ppbv	99
71) 2-Chlorotoluene	15.48	91	4200494	11.019	ppbv	100
72) 4-Ethyltoluene	15.87	105	4347301	11.033	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4117242	10.889	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	4363068	10.096	ppbv	96
75) 1,3-Dichlorobenzene	17.03	146	2623445	9.280	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	2593161	9.905	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	2497453	9.572	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	2047477	9.224	ppbv	98
79) Naphthalene	22.25	128	4189493	12.604	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	1579813	20.894	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	2324717	11.098	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1458396

Ion Ratio Lower Upper

49 100

128 49.9 25.4 76.0

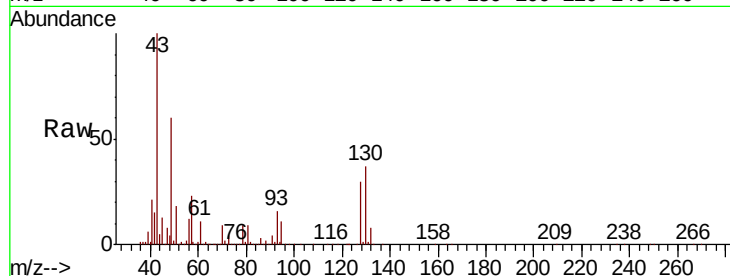
130 63.9 32.1 96.3

Manual Integrations

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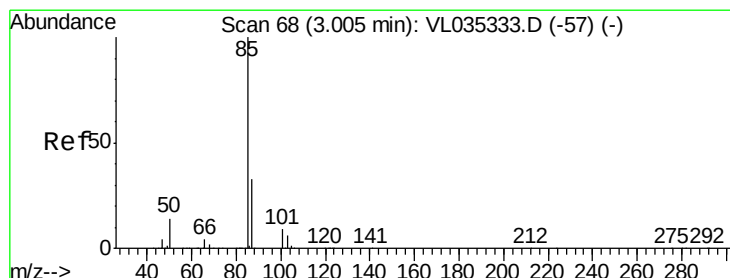
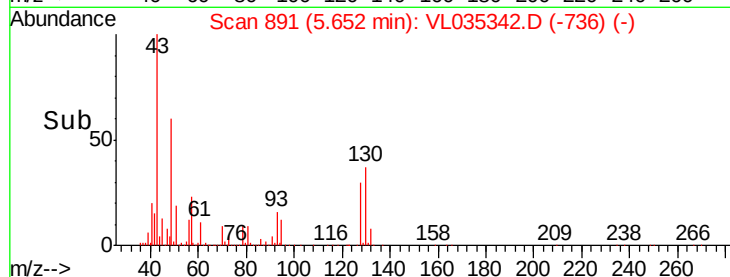
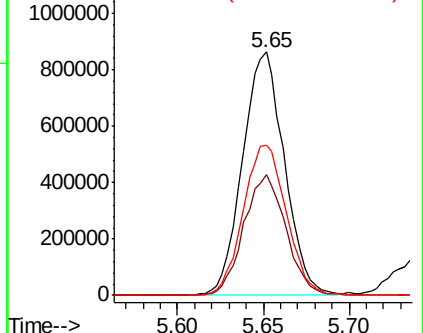
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.719 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035342.D

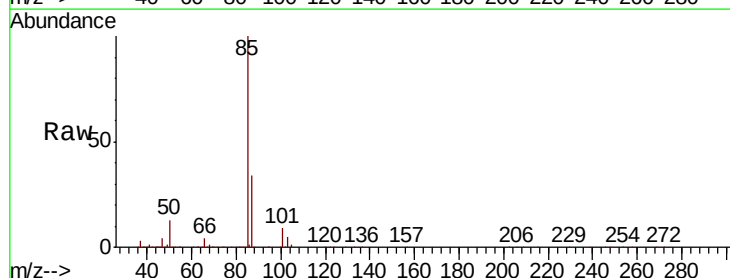
Acq: 6 Aug 2020 7:51

Tgt Ion: 85 Resp: 1497284

Ion Ratio Lower Upper

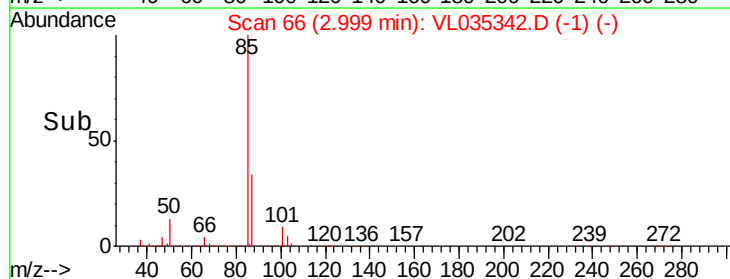
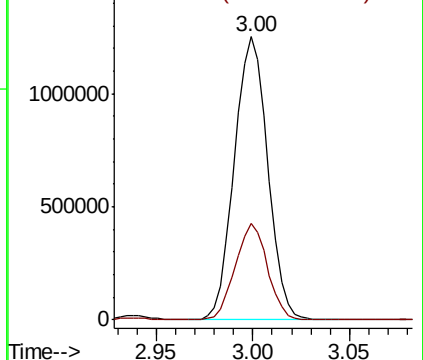
85 100

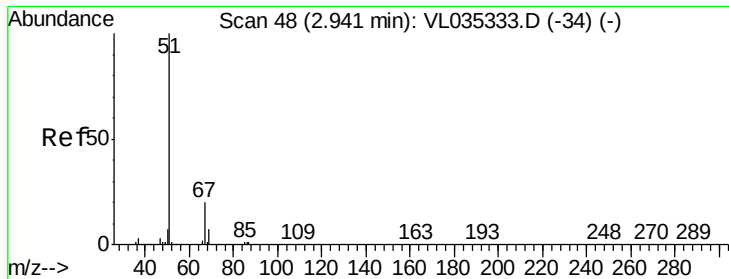
87 34.0 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.936 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.00 min

Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1487693

Ion Ratio Lower Upper

51 100

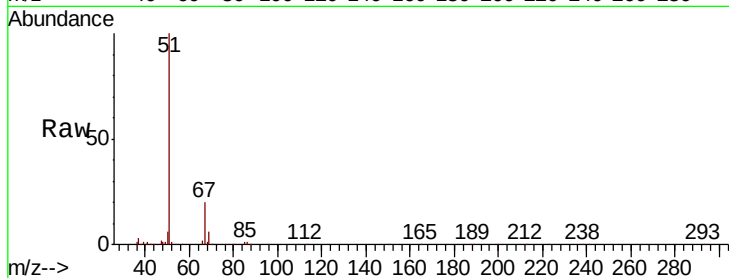
67 20.4 16.6 25.0

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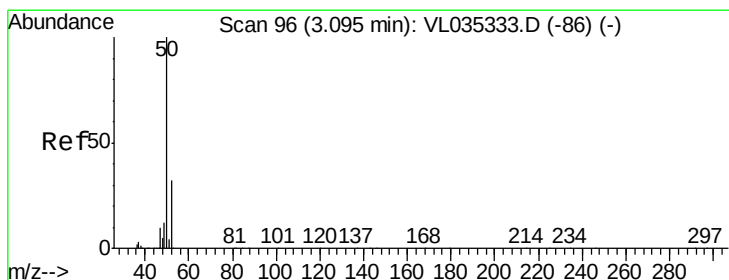
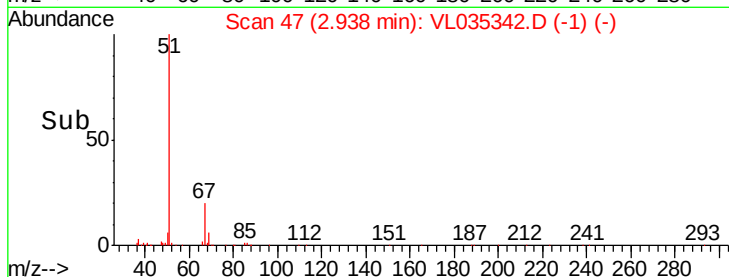
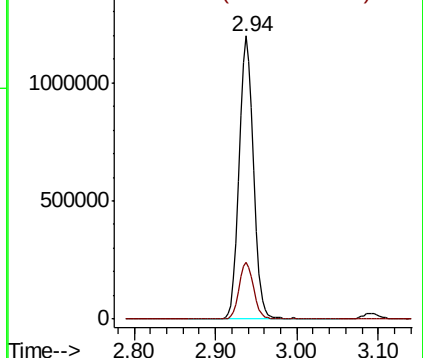
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.941 ppbv

RT: 3.09 min Scan# 95

Delta R.T. -0.00 min

Lab File: VL035342.D

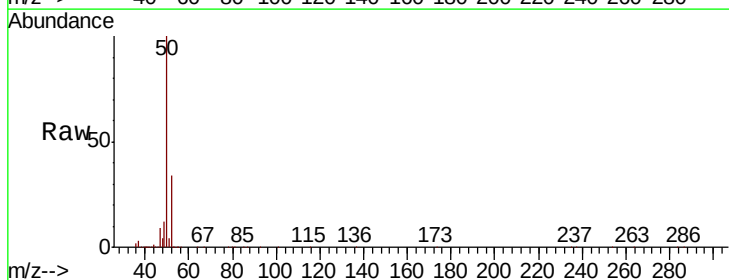
Acq: 6 Aug 2020 7:51

Tgt Ion: 50 Resp: 842767

Ion Ratio Lower Upper

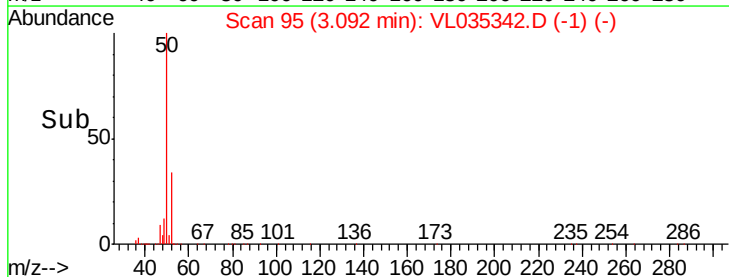
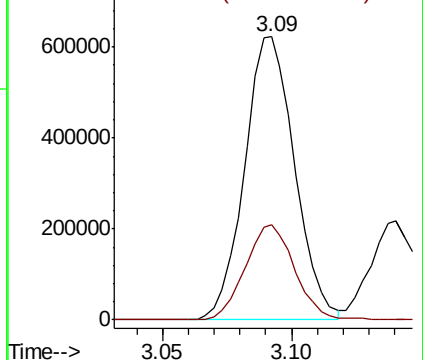
50 100

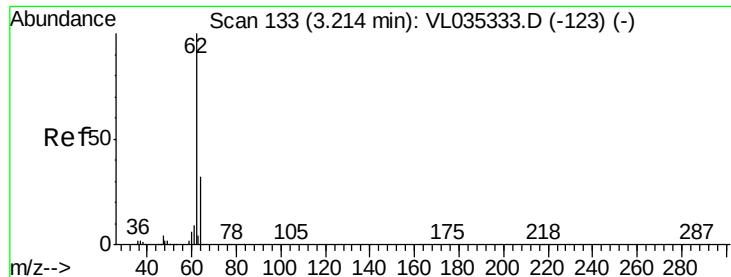
52 33.9 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.806 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.01 min

Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 853790

Ion Ratio Lower Upper

62 100

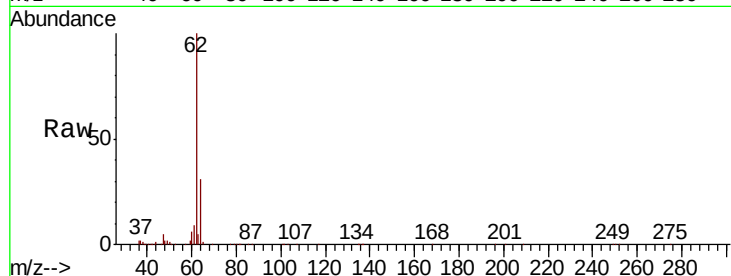
64 31.1 25.8 38.6

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.21

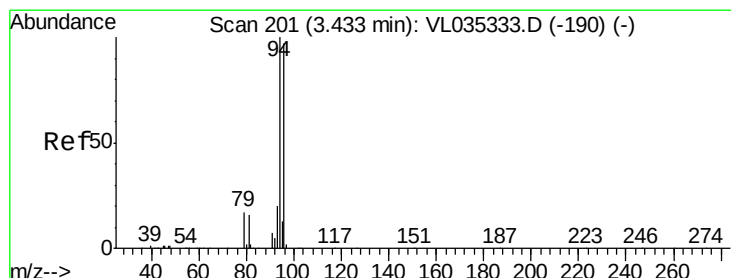
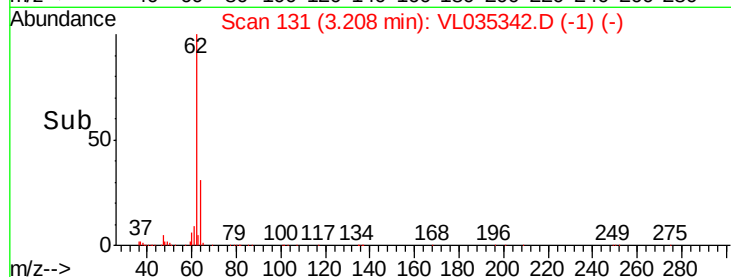
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 8.980 ppbv

RT: 3.43 min Scan# 200

Delta R.T. -0.00 min

Lab File: VL035342.D

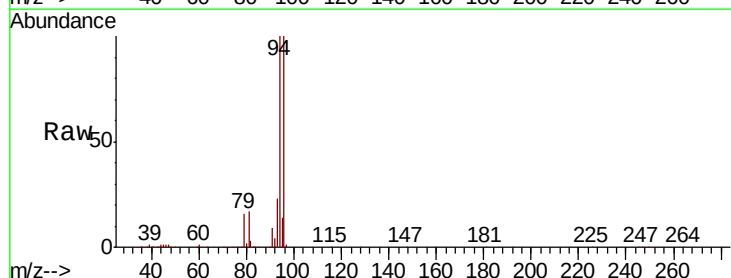
Acq: 6 Aug 2020 7:51

Tgt Ion: 94 Resp: 533348

Ion Ratio Lower Upper

94 100

96 99.6 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.43

400000

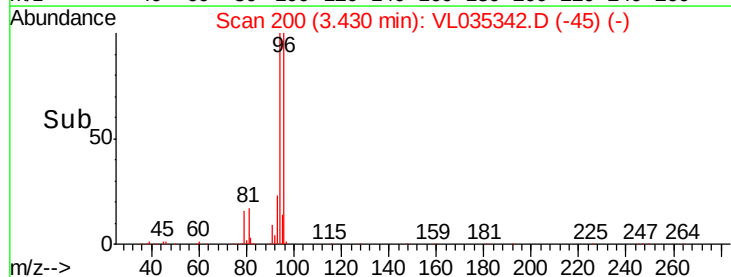
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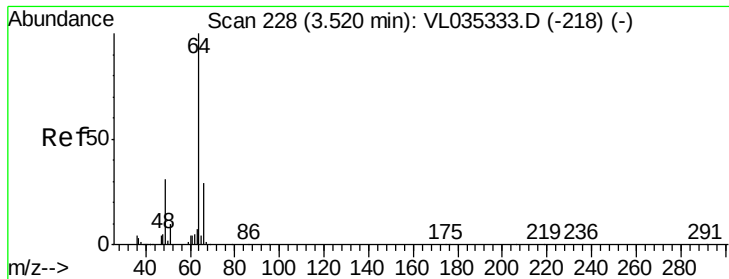
200000

100000

0

Time-->





#7

Chloroethane

Concen: 8.950 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.01 min

Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 322274

Ion Ratio Lower Upper

64 100

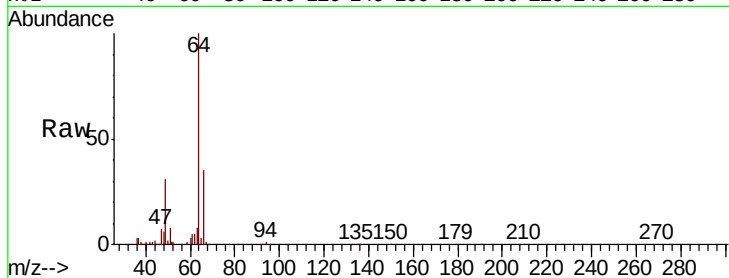
66 34.9 23.0 34.6#

Manual Integrations

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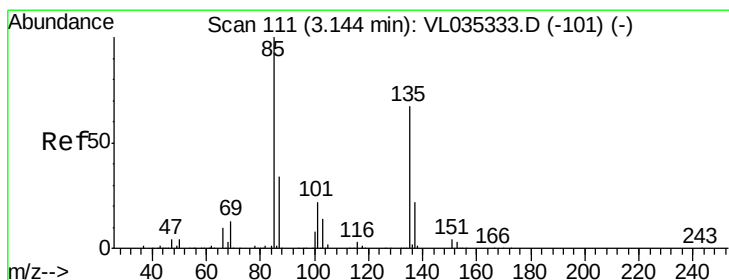
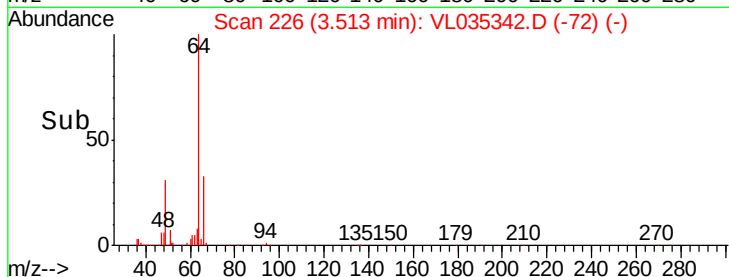
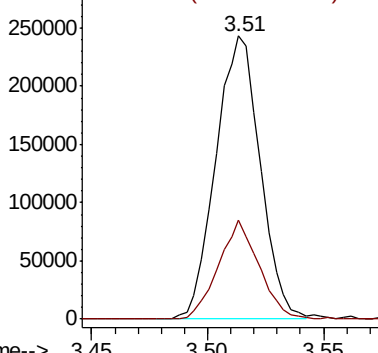
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.664 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035342.D

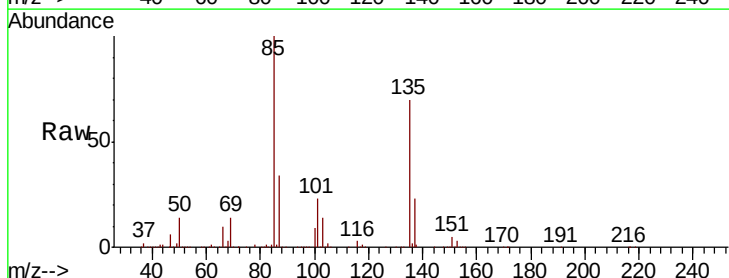
Acq: 6 Aug 2020 7:51

Tgt Ion: 85 Resp: 1986618

Ion Ratio Lower Upper

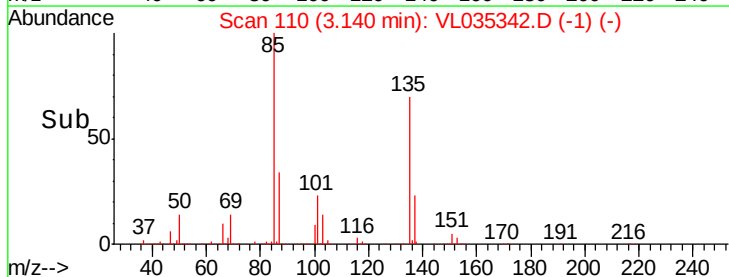
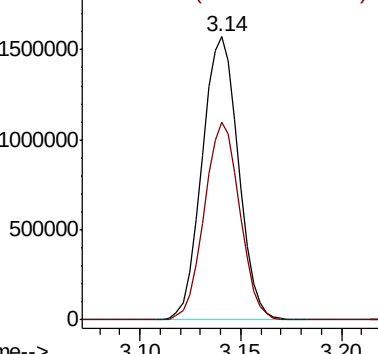
85 100

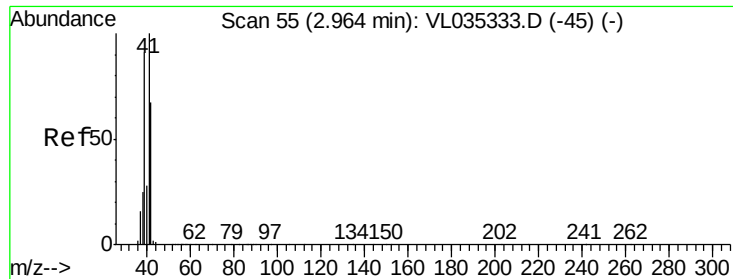
135 68.4 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





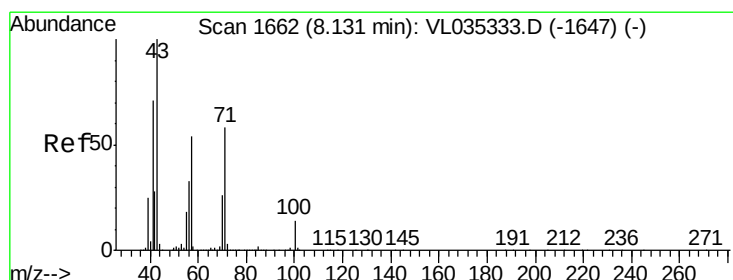
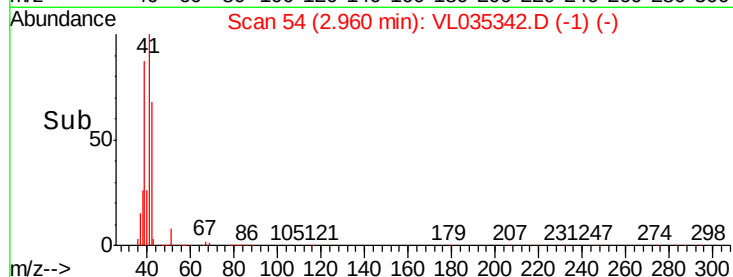
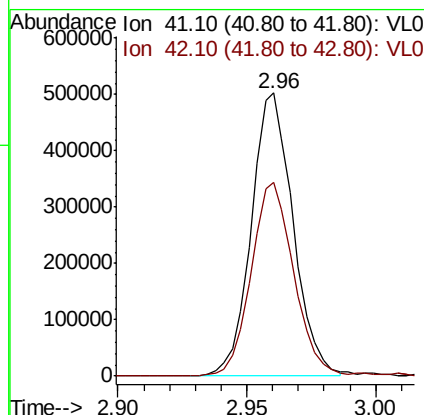
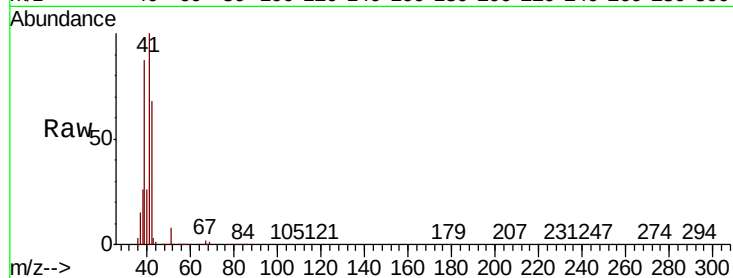
#9
 Propene
 Concen: 9.609 ppbv
 RT: 2.96 min Scan# 54
 Delta R.T. -0.00 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 41 Resp: 570034
 Ion Ratio Lower Upper
 41 100
 42 71.1 55.3 82.9

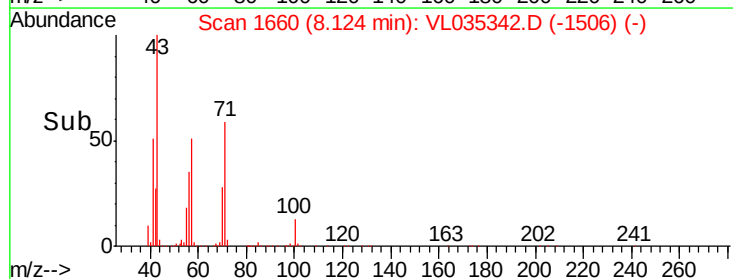
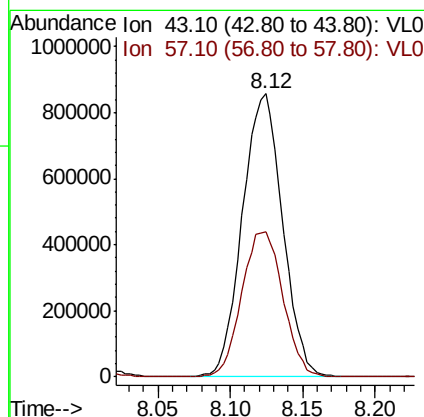
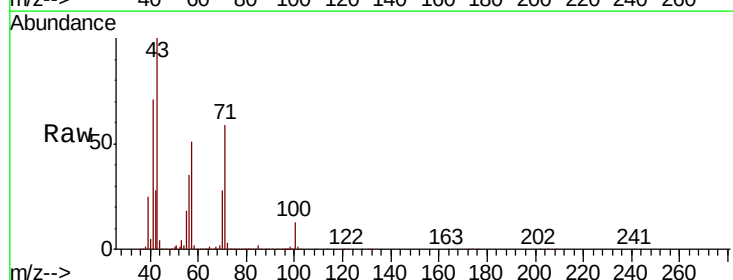
Manual Integrations
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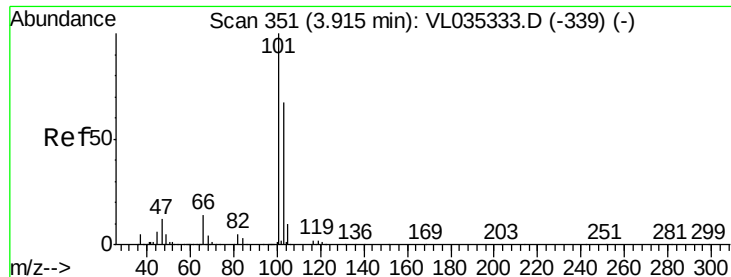
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#10
 Heptane
 Concen: 10.874 ppbv
 RT: 8.12 min Scan# 1660
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Tgt Ion: 43 Resp: 1647809
 Ion Ratio Lower Upper
 43 100
 57 52.9 43.0 64.6





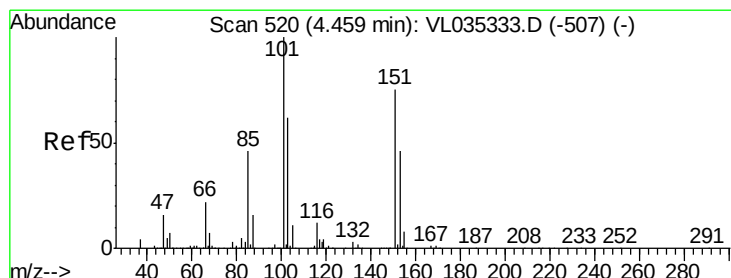
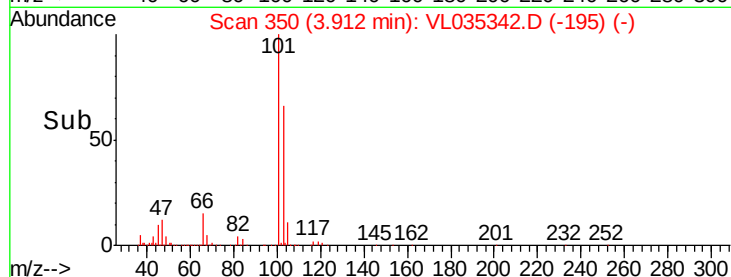
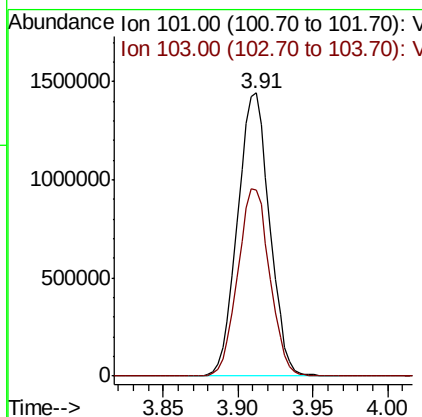
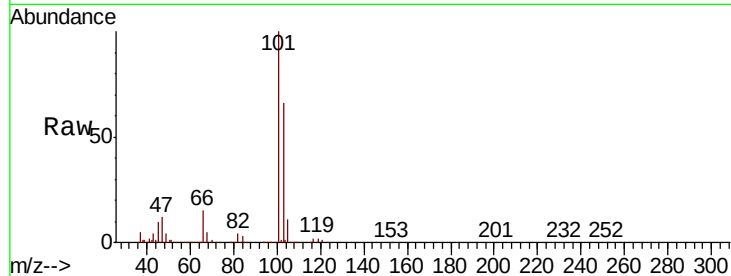
#11
 Trichlorofluoromethane
 Concen: 8.587 ppbv
 RT: 3.91 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	53.8	80.8

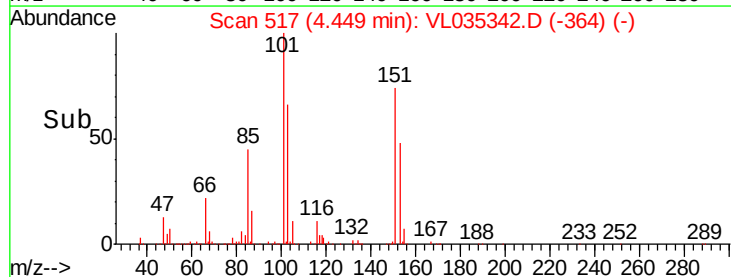
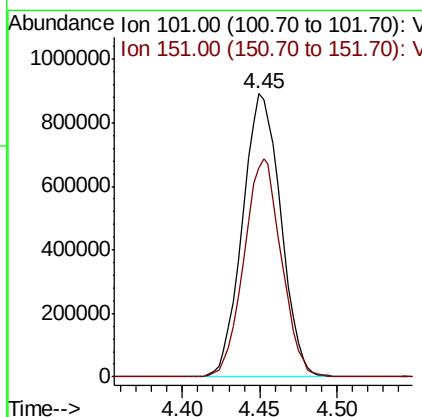
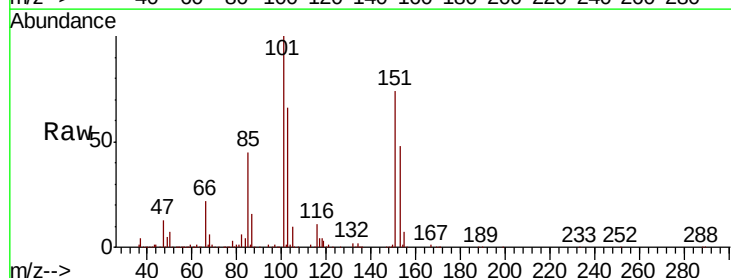
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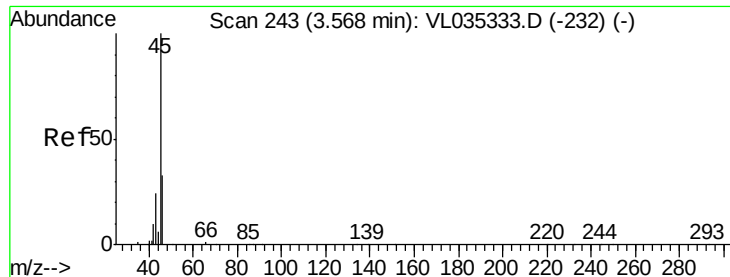
MMDadoda
 8/7/2020 12:53:26 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.545 ppbv
 RT: 4.45 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Tgt Ion	Ratio	Lower	Upper
101	100		
151	75.4	59.5	89.3





#13

Ethanol

Concen: 6.620 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.01 min

Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 135446

Ion Ratio Lower Upper

45 100

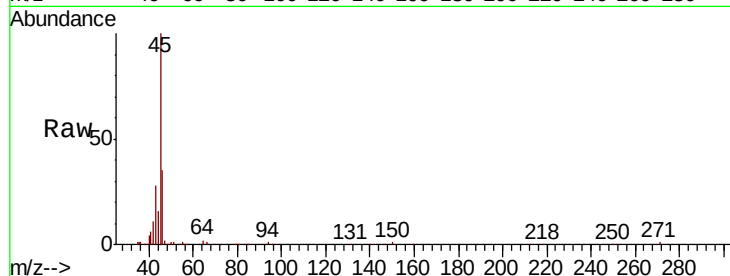
46 40.8 15.2 61.0

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.56

80000

60000

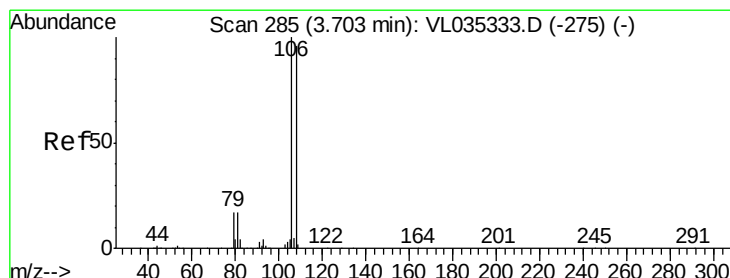
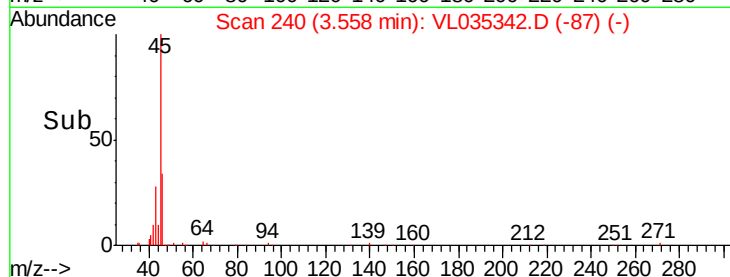
40000

20000

0

3.55 3.60

Time-->



#14

Bromoethene

Concen: 9.183 ppbv

RT: 3.70 min Scan# 283

Delta R.T. -0.01 min

Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

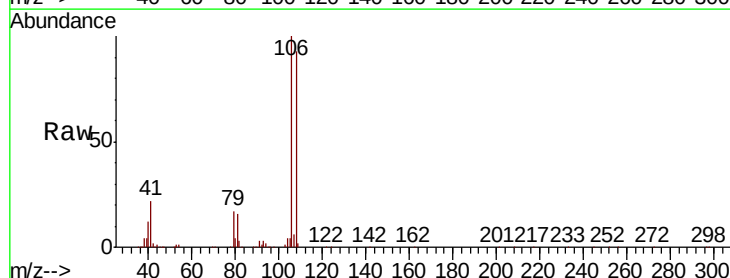
Tgt Ion: 108 Resp: 661483

Ion Ratio Lower Upper

108 100

106 110.1 85.0 127.6

79 18.9 15.0 22.6



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

600000

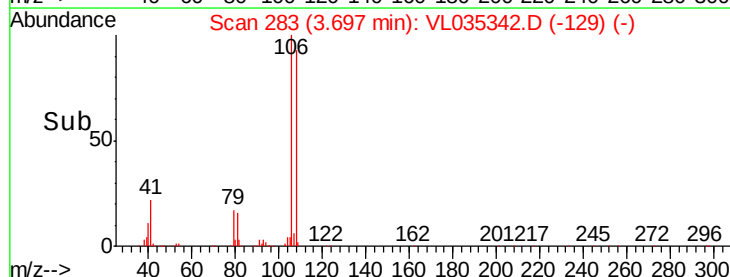
400000

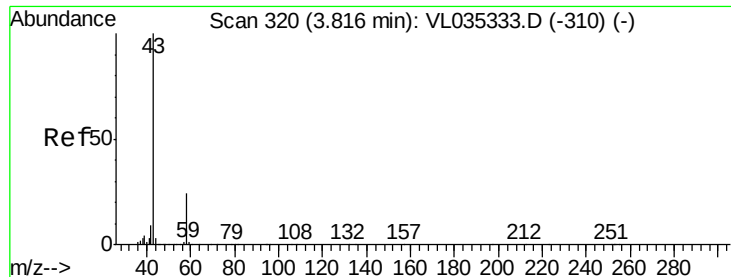
200000

0

3.65 3.70

Time-->





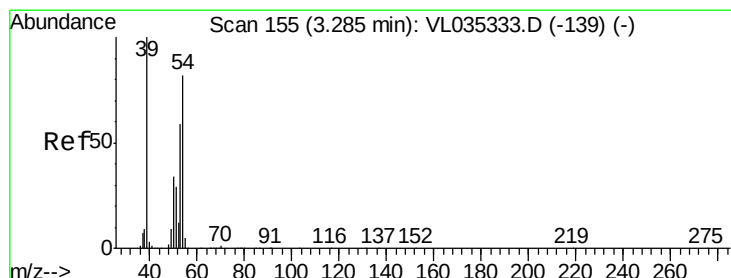
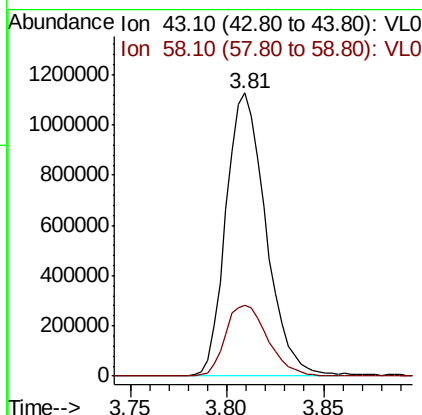
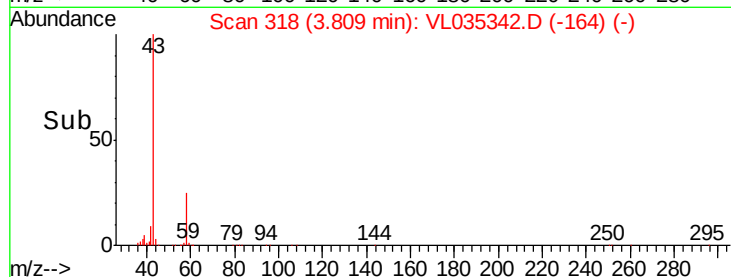
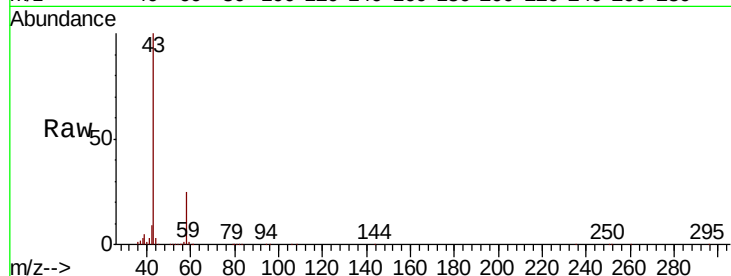
#15
Acetone
Concen: 7.768 ppbv
RT: 3.81 min Scan# 318
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1608846
Ion Ratio Lower Upper
43 100
58 26.9 21.0 31.4

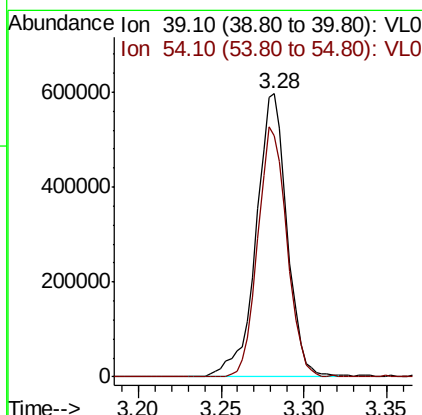
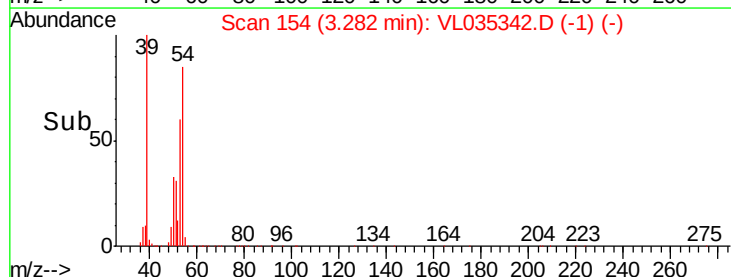
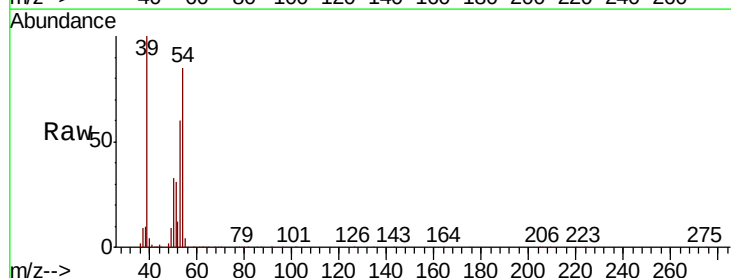
Manual Integrations
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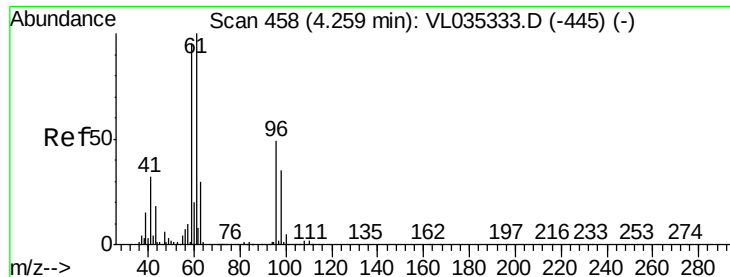
MMDadoda
8/7/2020 12:53:26 PM



#16
1,3-Butadiene
Concen: 9.672 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.00 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 39 Resp: 770973
Ion Ratio Lower Upper
39 100
54 83.6 64.4 96.6





#17

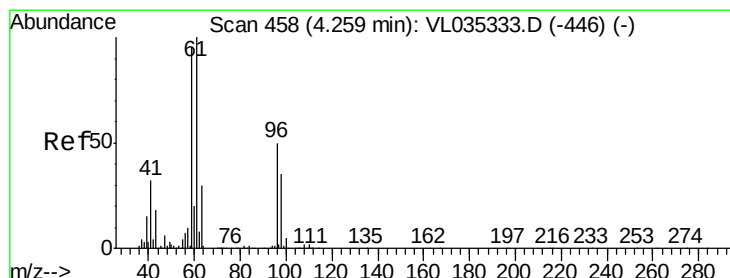
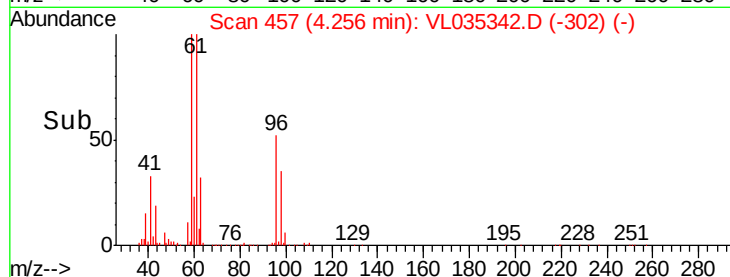
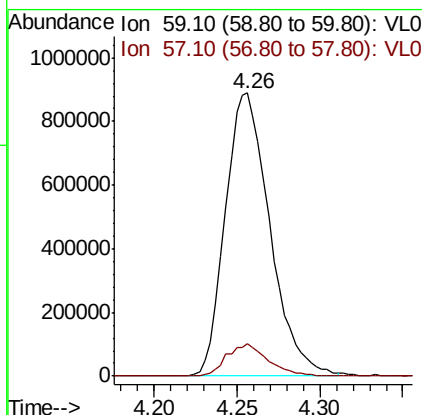
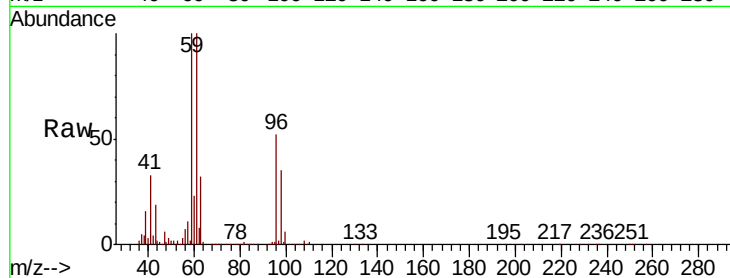
tert-Butyl alcohol
Concen: 8.719 ppbv
RT: 4.26 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1657301
Ion Ratio Lower Upper
59 100
57 10.8 8.8 13.2

Manual Integrations
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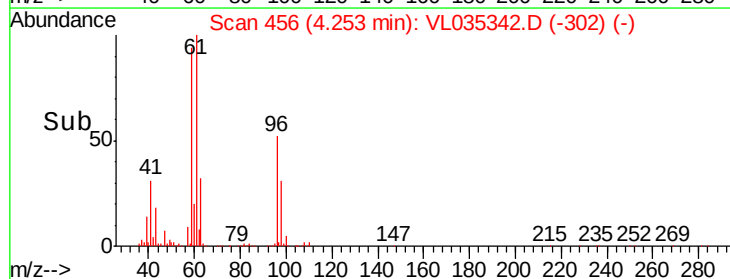
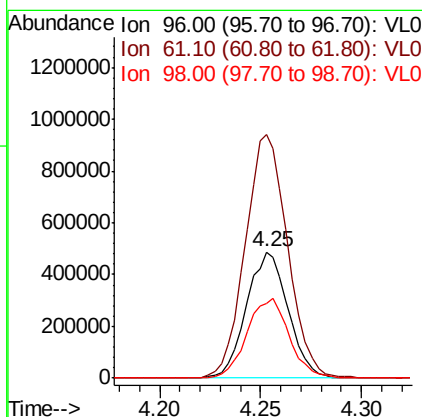
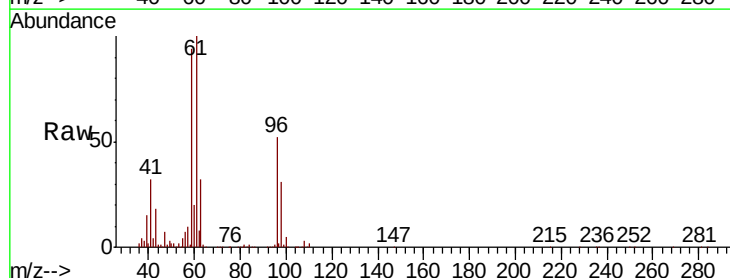
MMDadoda
8/7/2020 12:53:26 PM

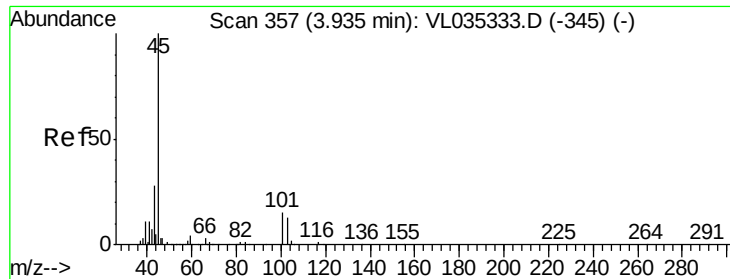


#18

1,1-Dichloroethene
Concen: 9.090 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 96 Resp: 701146
Ion Ratio Lower Upper
96 100
61 193.2 161.4 242.2
98 59.4 56.0 84.0





#19

Isopropyl Alcohol

Concen: 8.204 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.01 min

Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

Tot Ion: 45 Resp: 1076973

Ion Ratio Lower Upper

45 100

58 2.8 1.9 2.9

Instrument :

MSVOA_L

ClientSampleId :

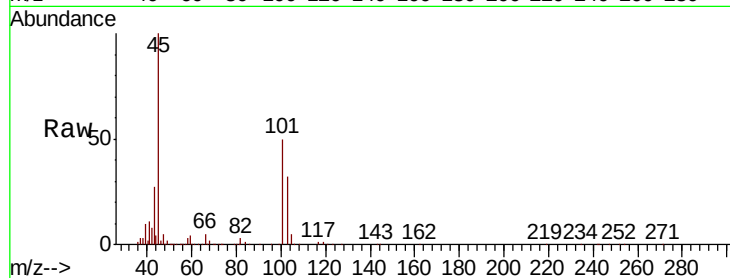
VSTDCCC010

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

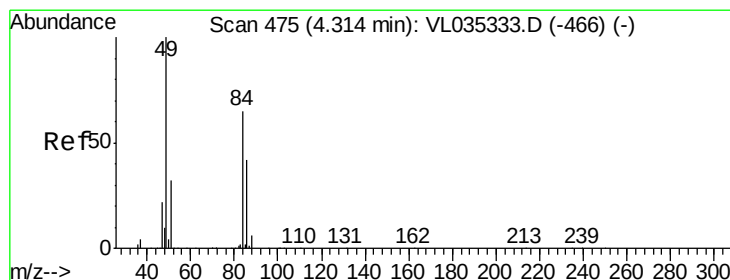
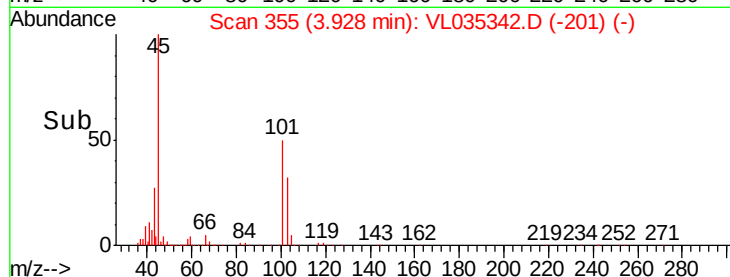
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 7.644 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.01 min

Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

Tgt Ion: 84 Resp: 645611

Ion Ratio Lower Upper

84 100

49 145.6 122.8 184.2

51 45.8 40.1 60.1

86 60.8 51.7 77.5

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

1000000

800000

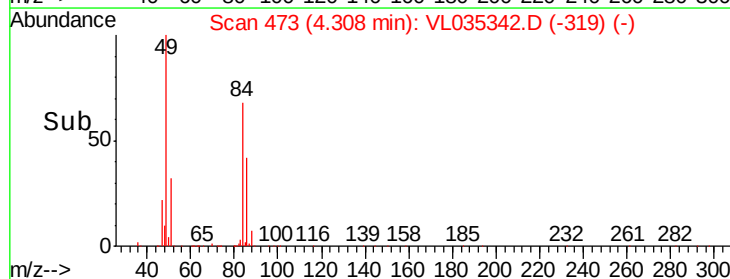
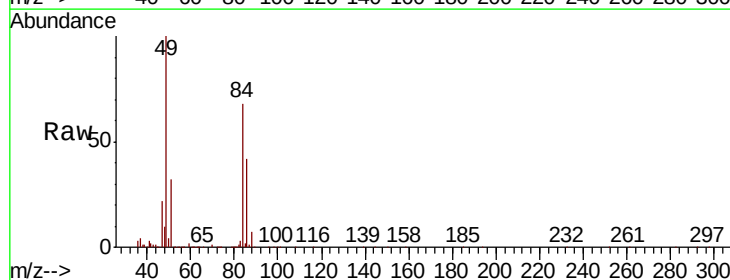
600000

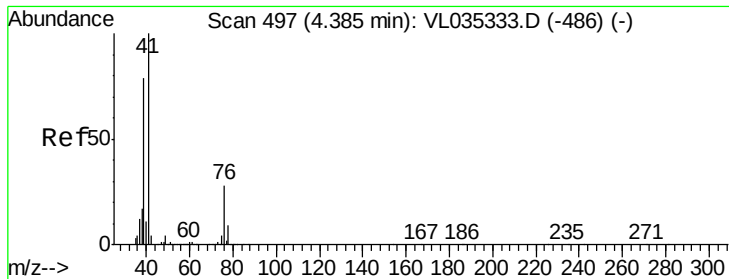
400000

200000

0

Time-->





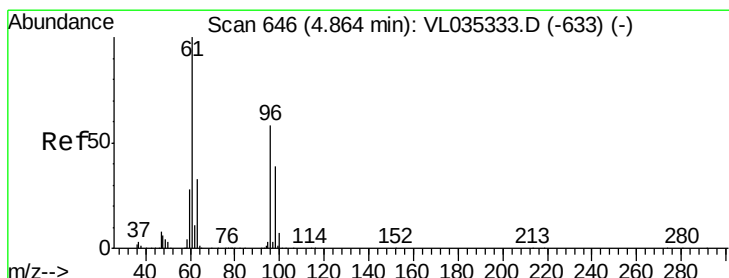
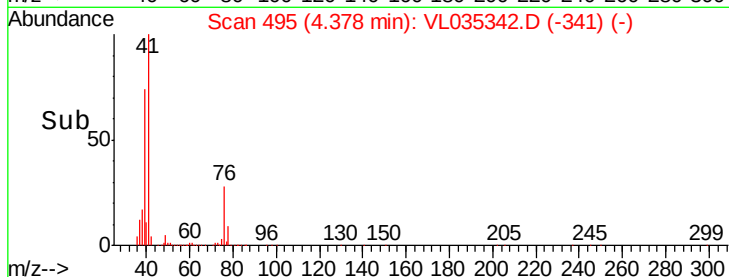
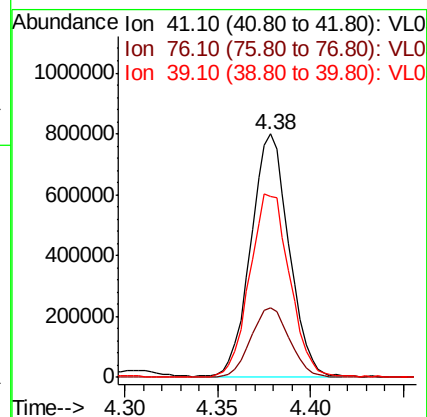
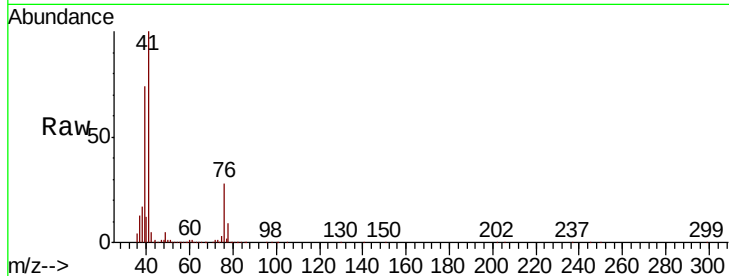
#21
 Allvl Chloride
 Concen: 9.562 ppbv
 RT: 4.38 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.3	23.8	35.6
39	79.5	65.0	97.6

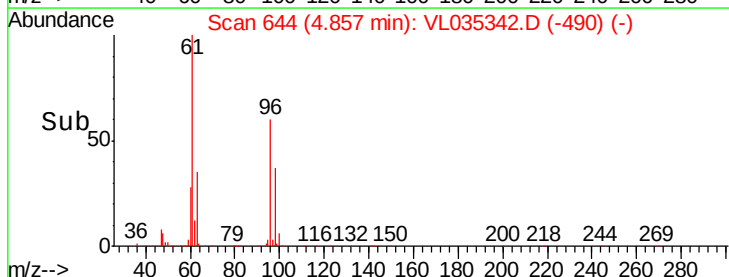
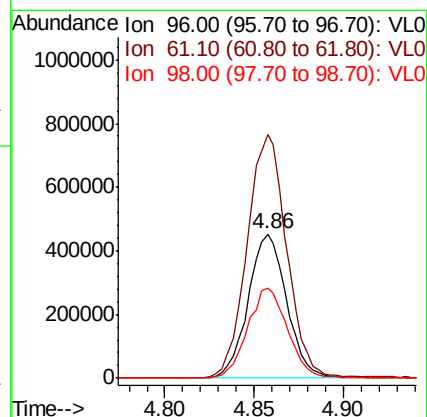
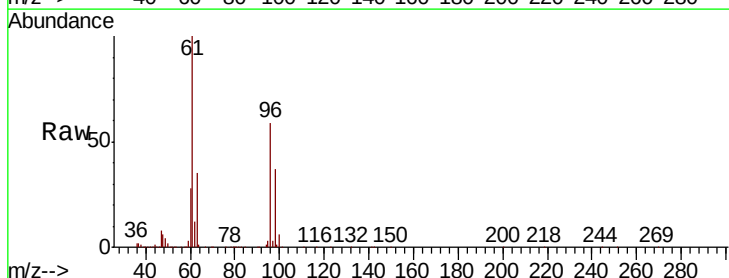
Manual Integrations
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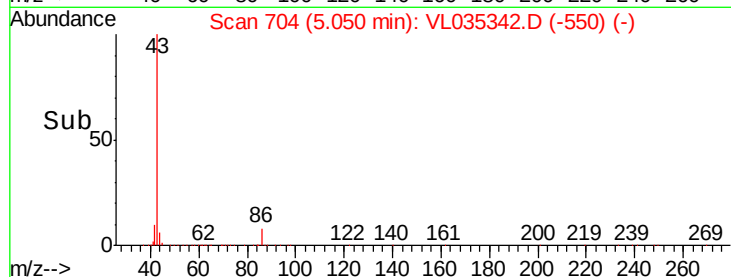
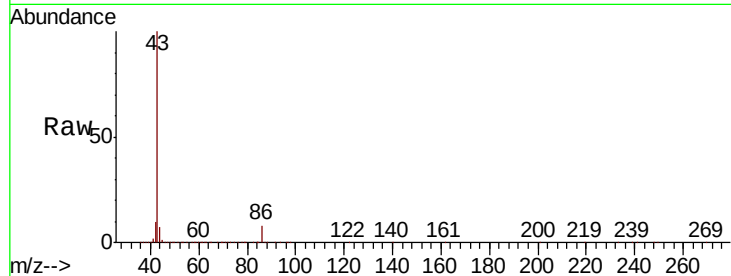
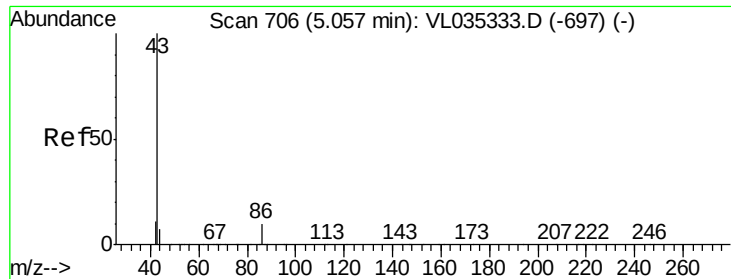
MMDadoda
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#22
 trans-1,2-Dichloroethene
 Concen: 9.126 ppbv
 RT: 4.86 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

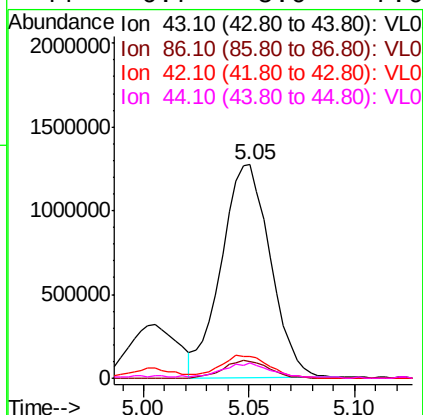
Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.6	138.5	207.7
98	62.3	54.3	81.5





#23
 Vinyl Acetate
 Concen: 10.321 ppbv
 RT: 5.05 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

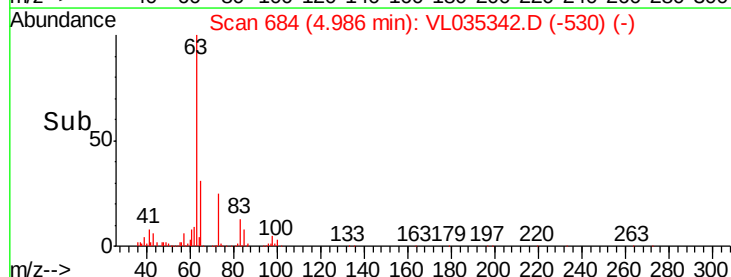
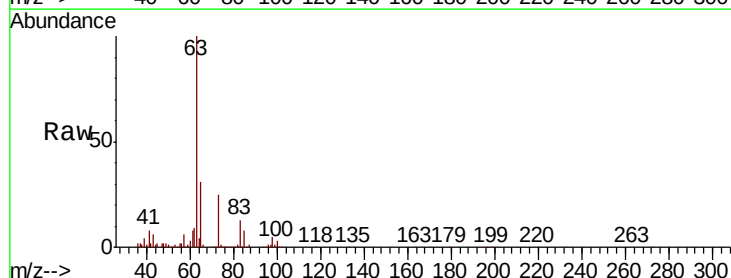
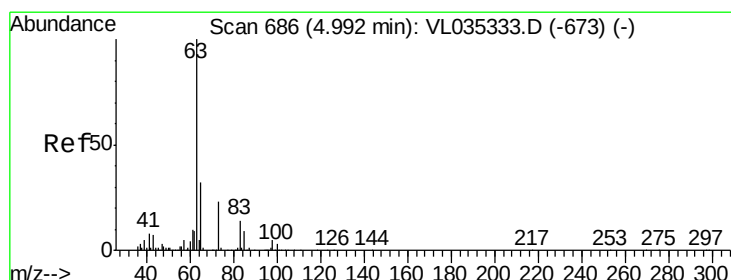
Tot Ion	43	Resp	2049581
Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.9	10.3
42	10.4	8.8	13.2
44	6.7	5.0	7.6



Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

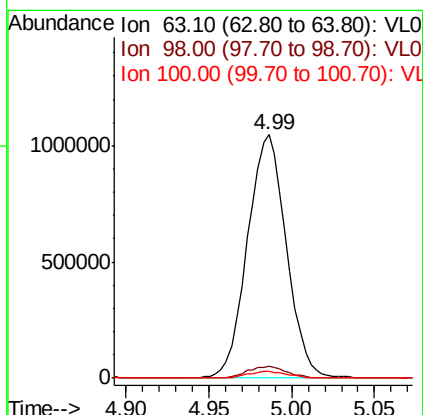
Manual Integrations
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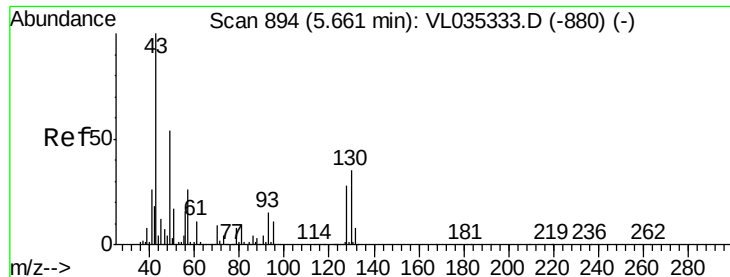
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 9.159 ppbv
 RT: 4.99 min Scan# 684
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Tgt Ion	63	Resp	1709249
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.5	7.5
100	2.9	1.4	4.2





#25

Ethyl Acetate

Concen: 9.460 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2976804

Ion Ratio Lower Upper

43 100

45 10.5 8.5 12.7

61 10.1 8.1 12.1

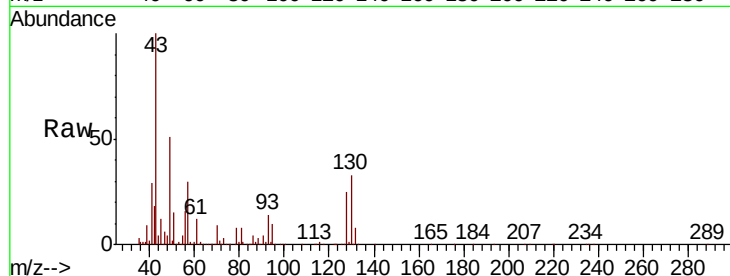
70 7.9 6.5 9.7

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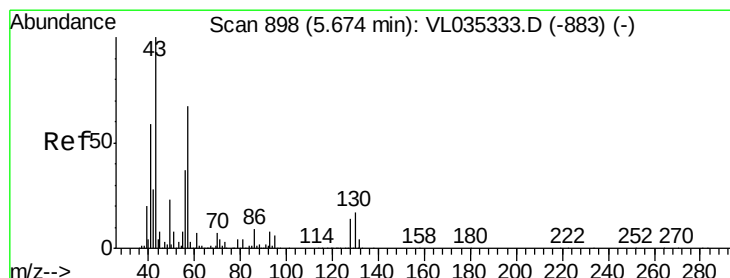
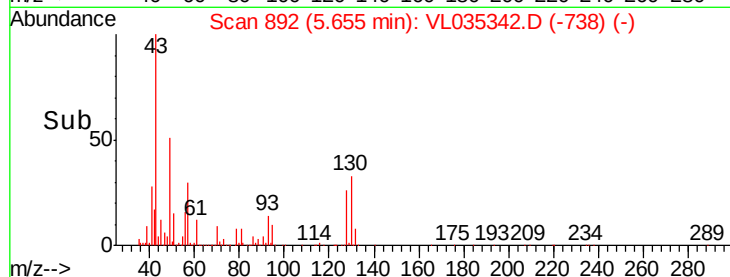
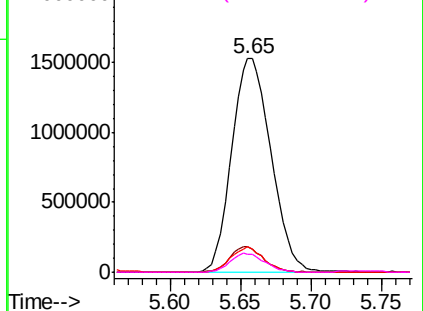


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.783 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

Tgt Ion: 57 Resp: 1335287

Ion Ratio Lower Upper

57 100

41 94.0 75.2 112.8

43 224.9 180.6 270.8

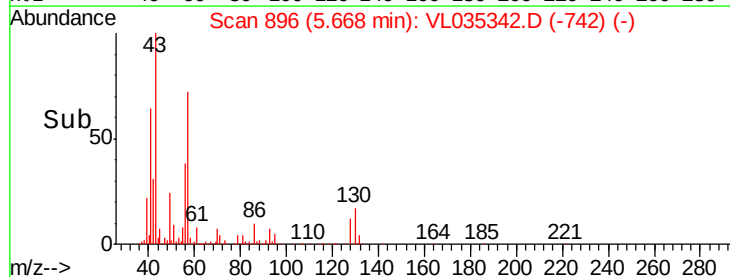
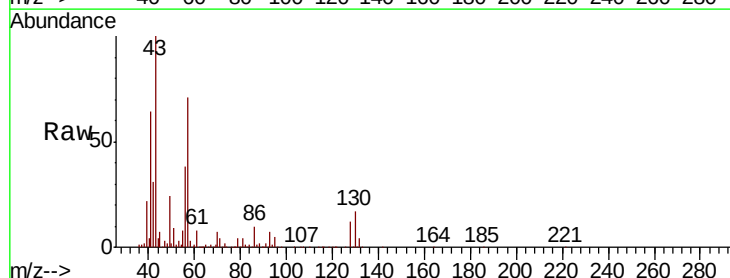
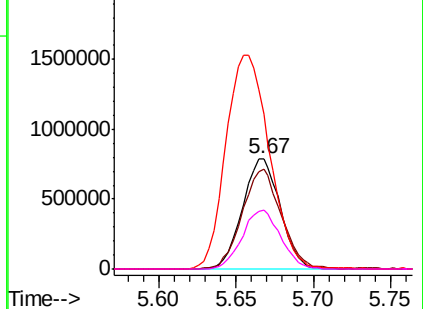
56 54.5 43.0 64.6

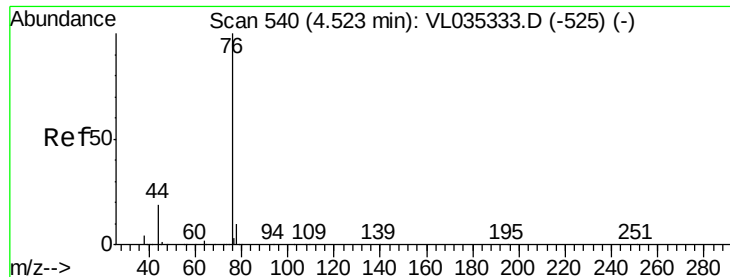
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 9.796 ppbv

RT: 4.52 min Scan# 538

Delta R.T. -0.01 min

Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1869842

Ion Ratio Lower Upper

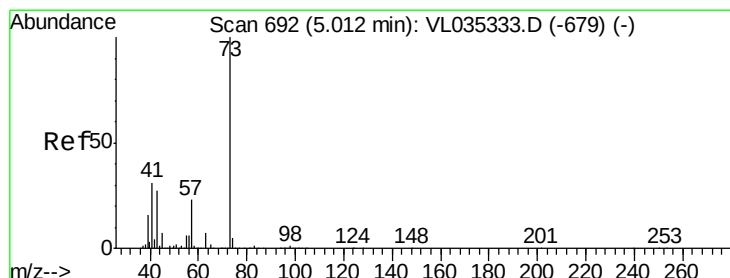
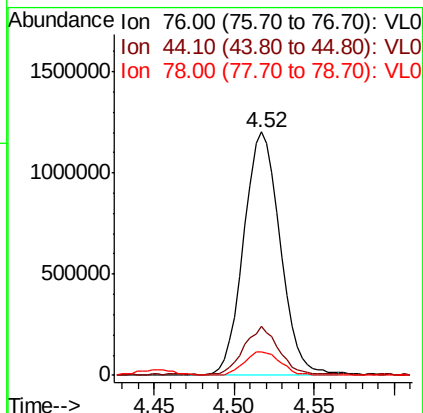
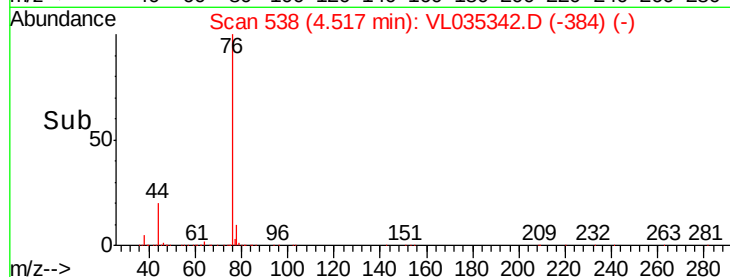
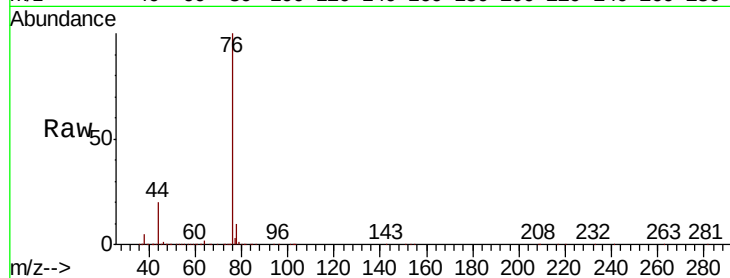
76 100

44 19.2 15.4 23.2

78 9.4 7.7 11.5

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#28

Methyl tert-Butyl Ether

Concen: 10.062 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL035342.D

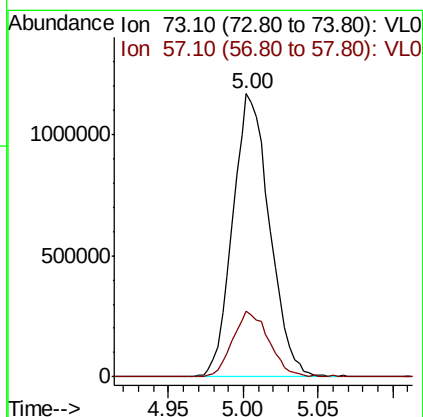
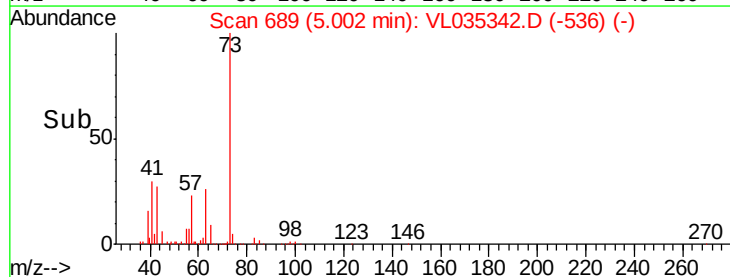
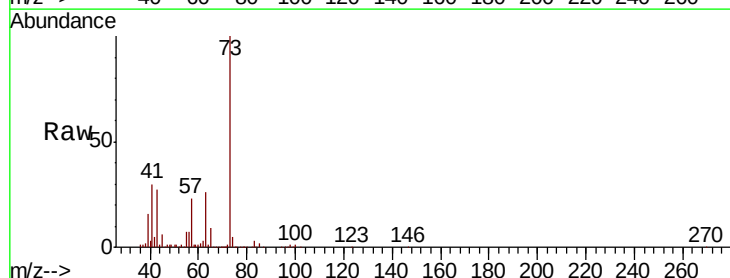
Acq: 6 Aug 2020 7:51

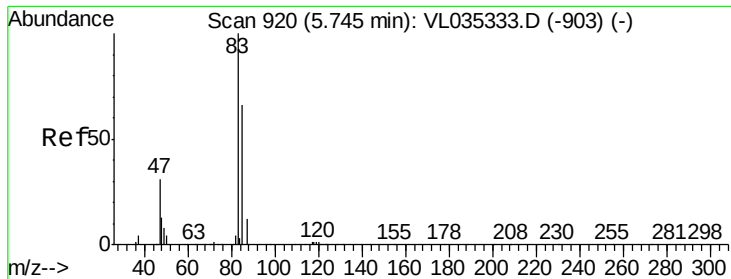
Tgt Ion: 73 Resp: 1996915

Ion Ratio Lower Upper

73 100

57 23.2 17.9 26.9





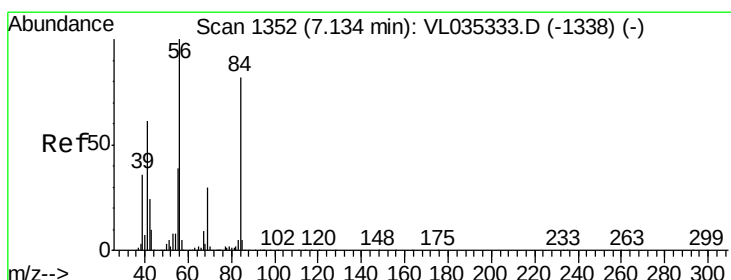
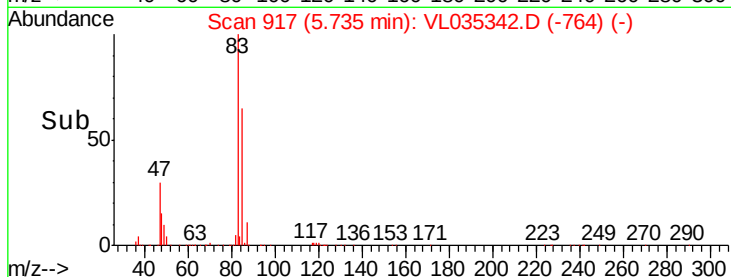
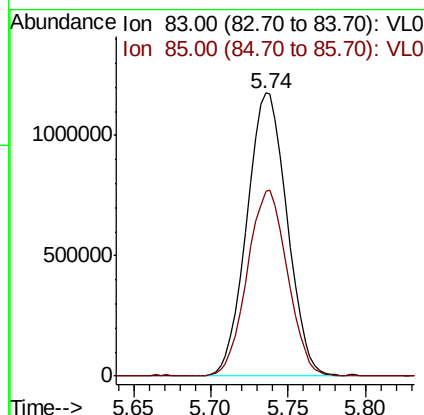
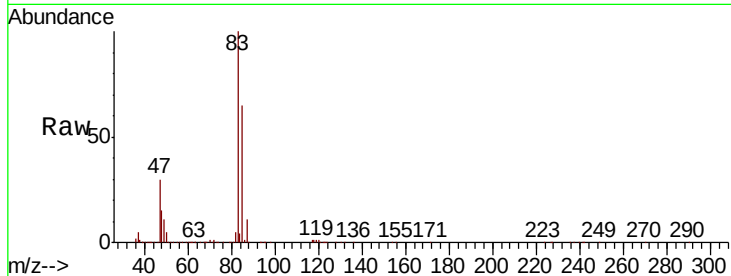
#29
Chloroform
Concen: 9.084 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2137659
Ion Ratio Lower Upper
83 100
85 65.1 52.9 79.3

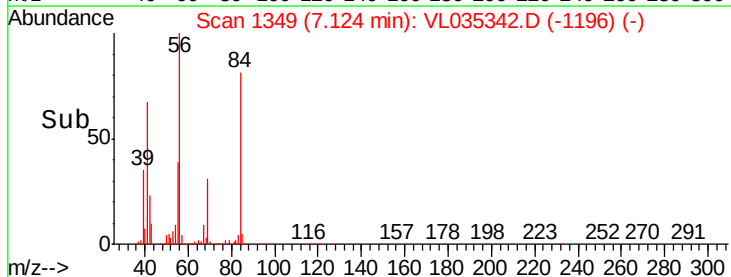
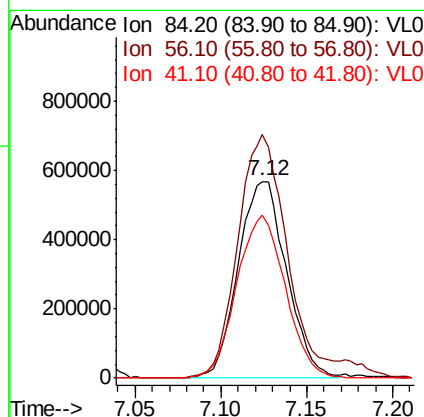
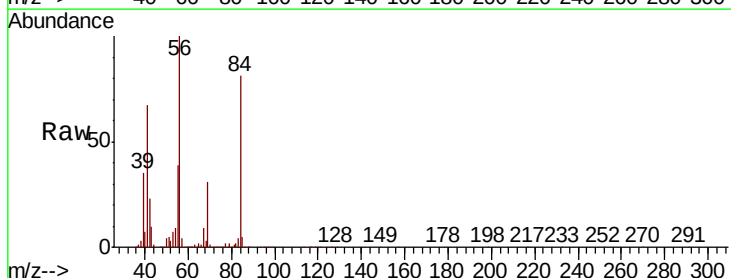
Manual Integrations
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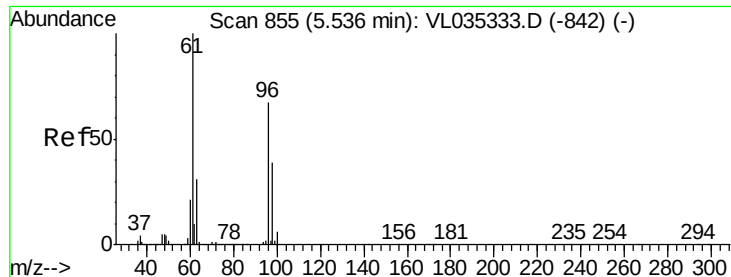
MMDadoda
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#30
Cyclohexane
Concen: 10.669 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 84 Resp: 1104204
Ion Ratio Lower Upper
84 100
56 132.1 104.7 157.1
41 83.8 64.2 96.2





#31

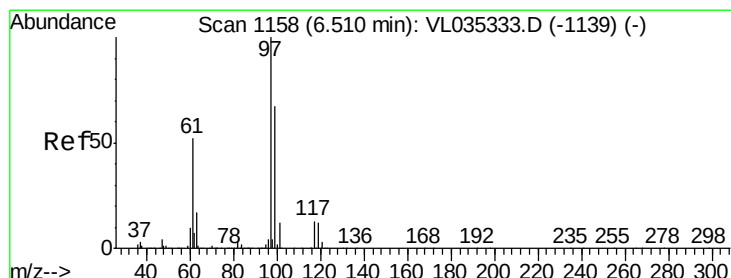
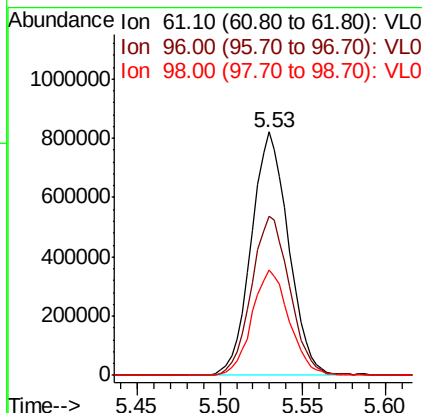
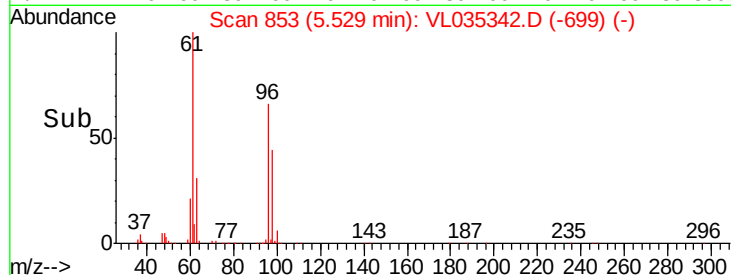
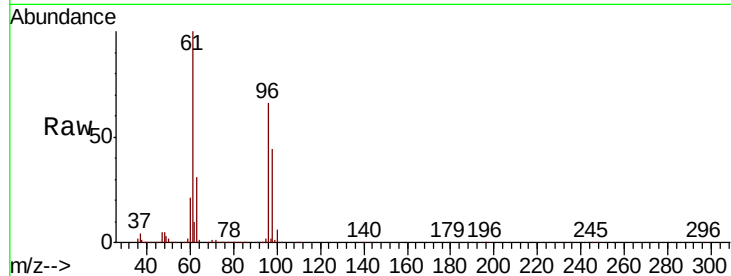
cis-1,2-Dichloroethene
Concen: 10.569 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.6	53.6	80.4
98	43.5	31.0	46.4

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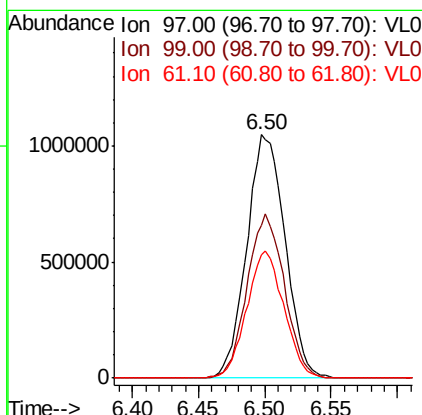
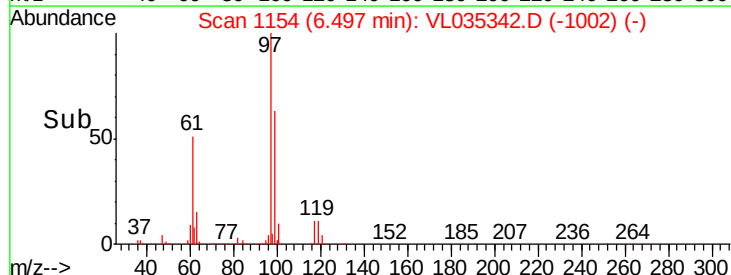
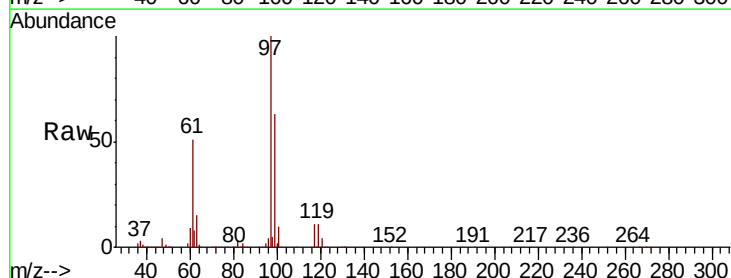
MMDadoda
8/7/2020 12:53:26 PM

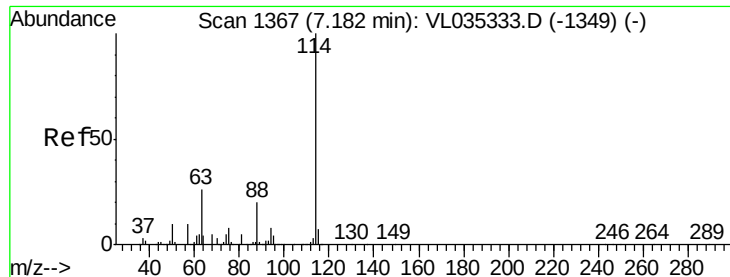


#32

1,1,1-Trichloroethane
Concen: 8.539 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.2	78.4
61	50.5	40.9	61.3





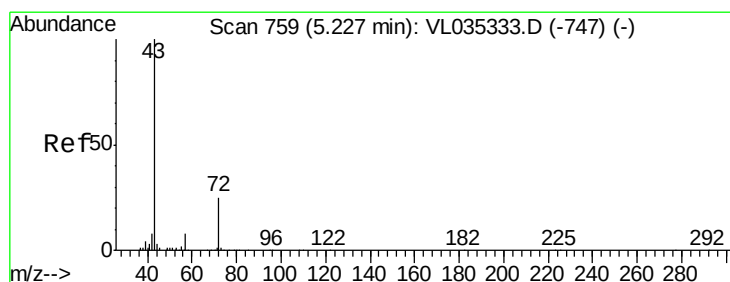
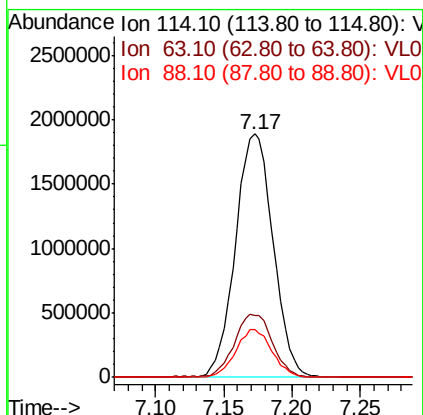
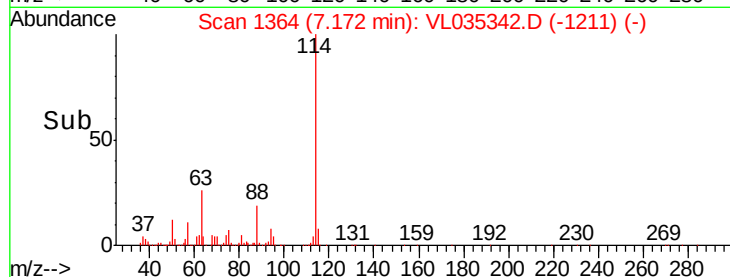
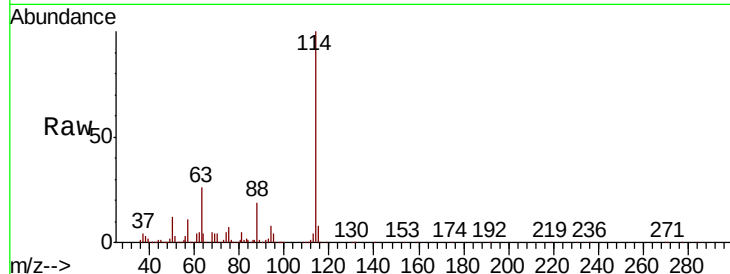
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.3	31.9
88	18.9	15.3	22.9

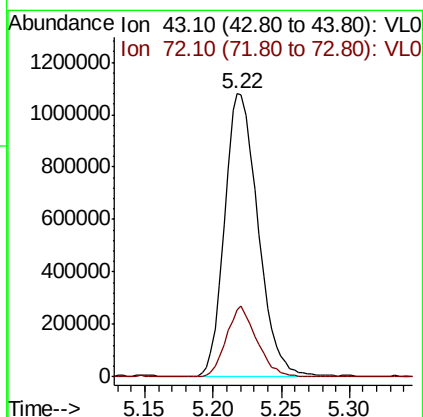
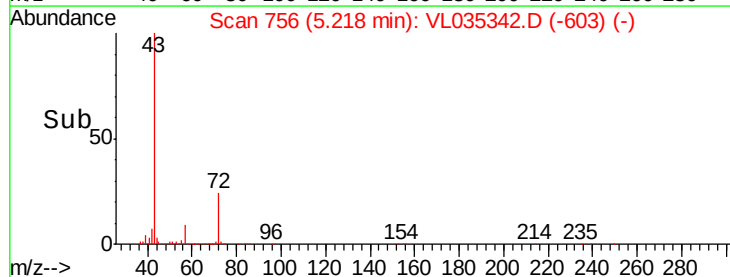
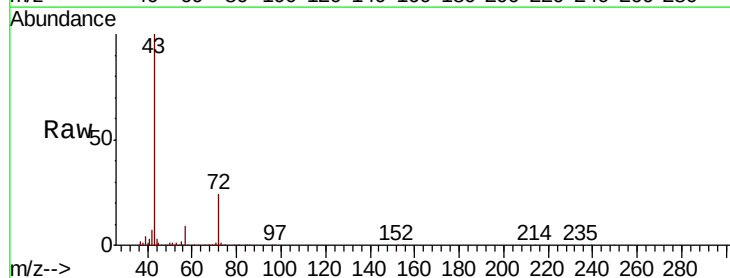
Manual Integrations
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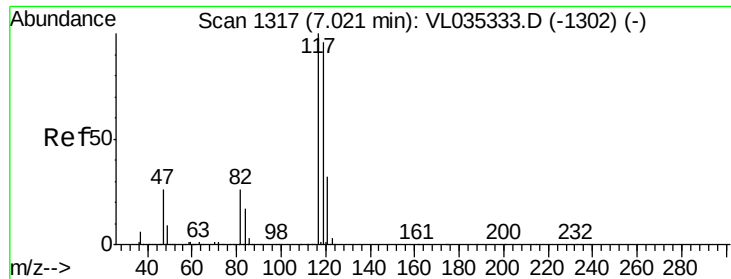
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#34
 2-Butanone
 Concen: 10.304 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.9	28.3





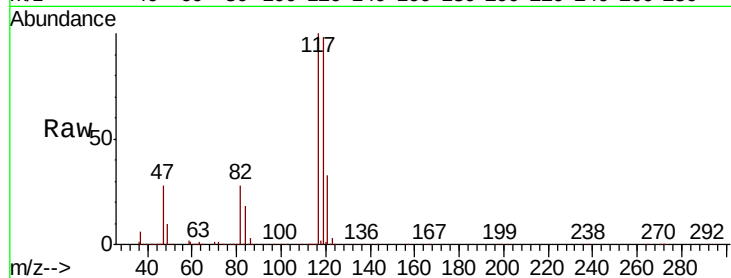
#35
Carbon Tetrachloride
Concen: 9.088 ppbv
RT: 7.01 min Scan# 1314
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.0	115.6
121	33.3	26.0	39.0

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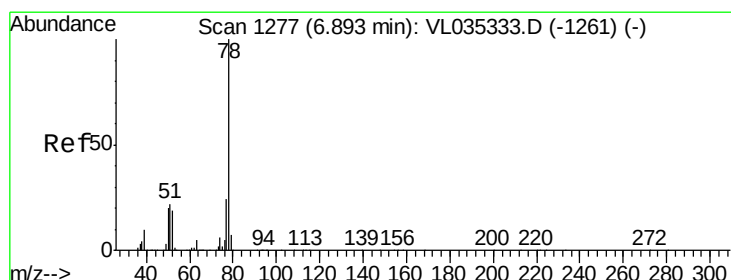
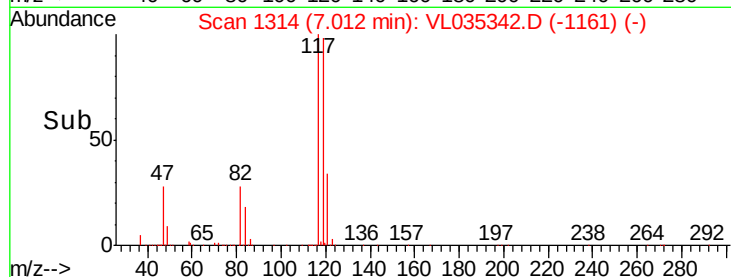
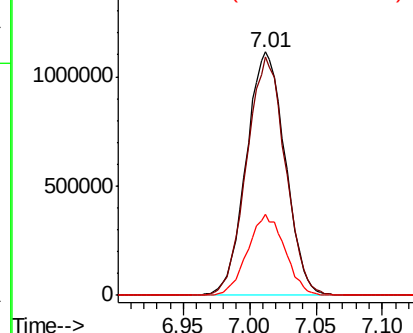


Abundance

Ion 117.00 (116.70 to 117.70): V

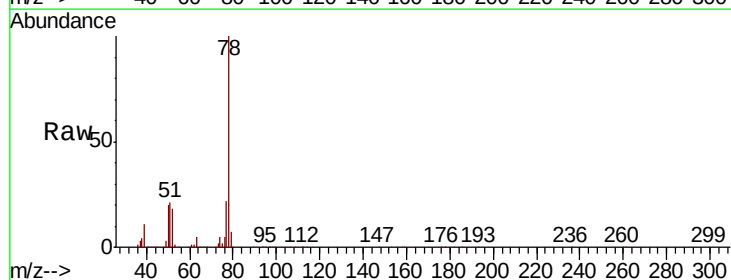
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36
Benzene
Concen: 10.587 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.3	28.9
50	19.5	16.3	24.5

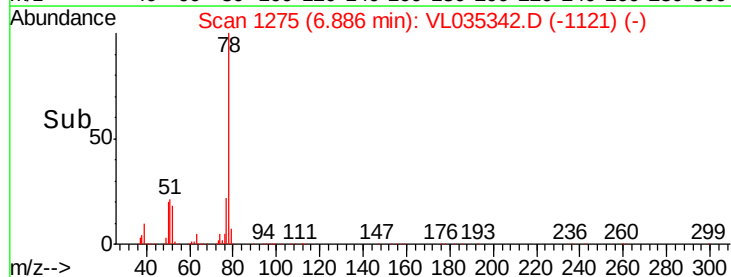
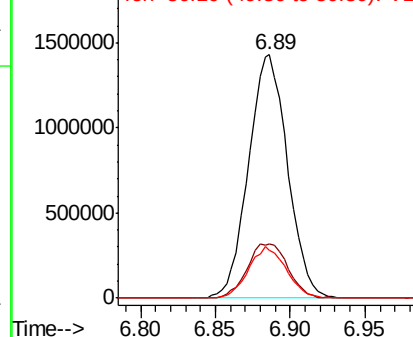


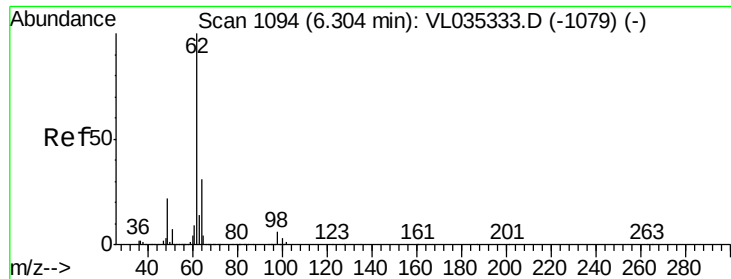
Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





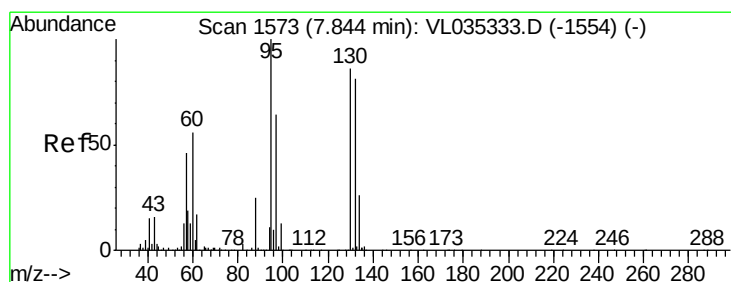
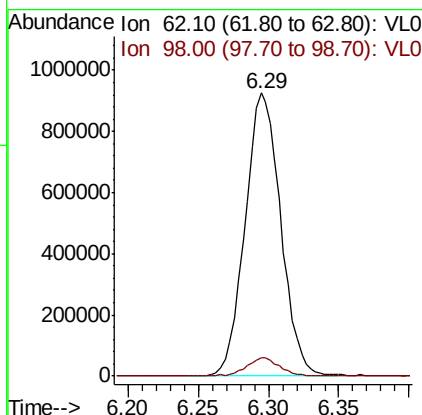
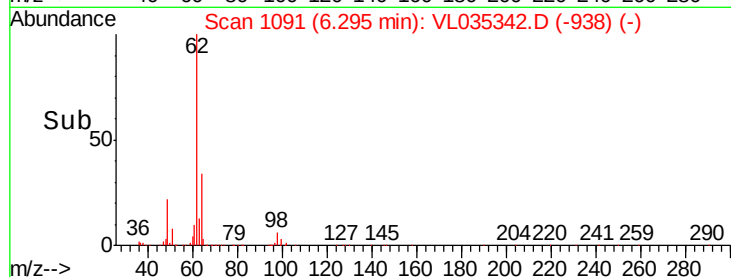
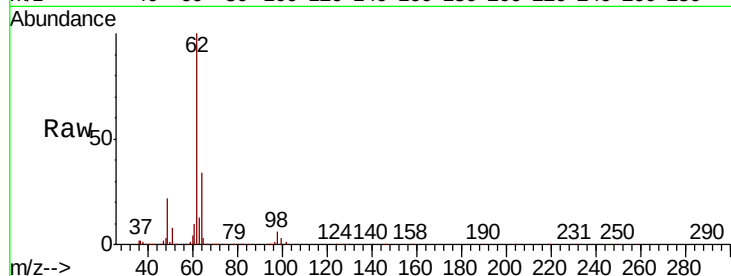
#37
 1,2-Dichloroethane
 Concen: 9.557 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1635878
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.6 7.0

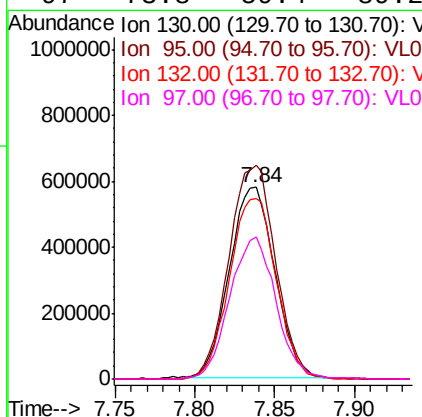
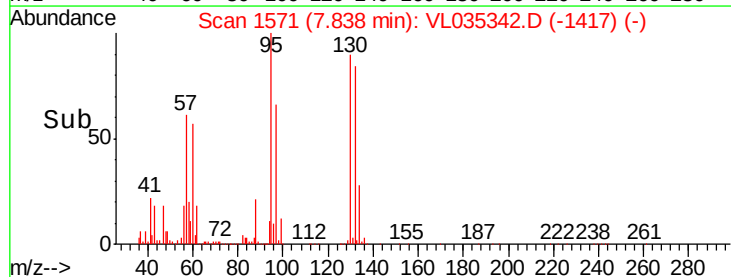
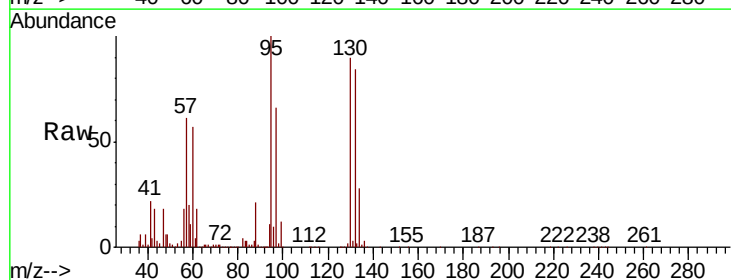
Manual Integrations
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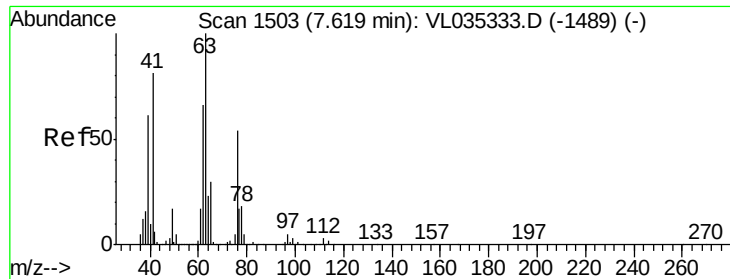
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#38
 Trichloroethene
 Concen: 10.009 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Tgt Ion: 130 Resp: 1131236
 Ion Ratio Lower Upper
 130 100
 95 111.5 93.4 140.2
 132 94.0 76.1 114.1
 97 73.8 59.4 89.2





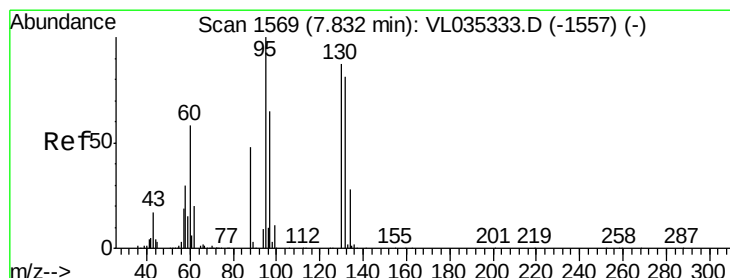
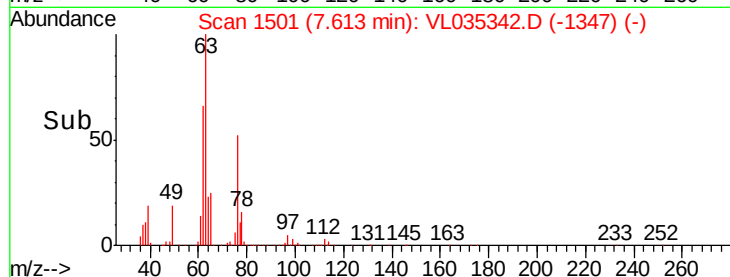
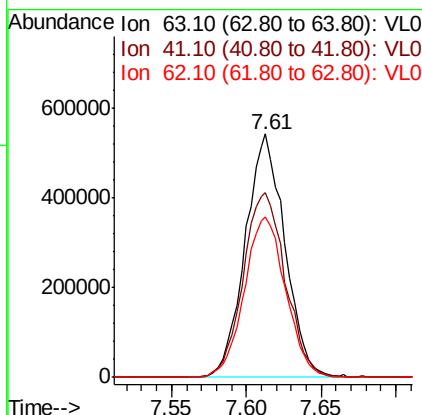
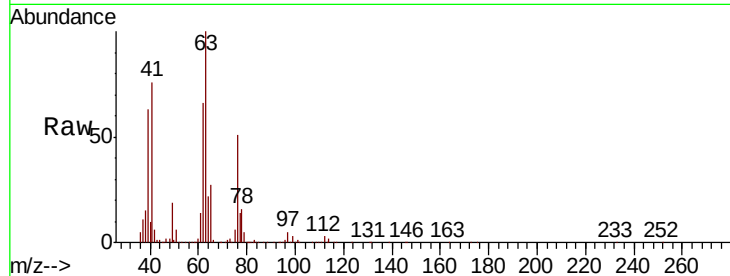
#39
 1,2-Dichloropropane
 Concen: 10.051 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
63	100	996872		
41	76.1		64.4	96.6
62	65.7		52.6	78.8

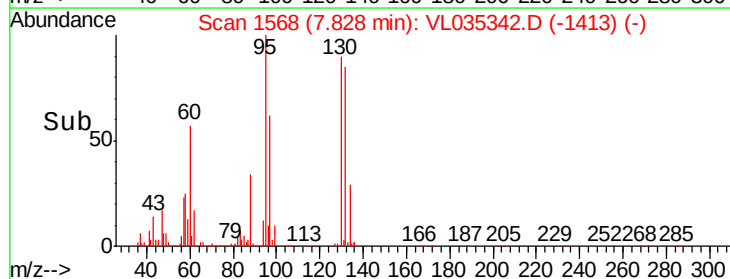
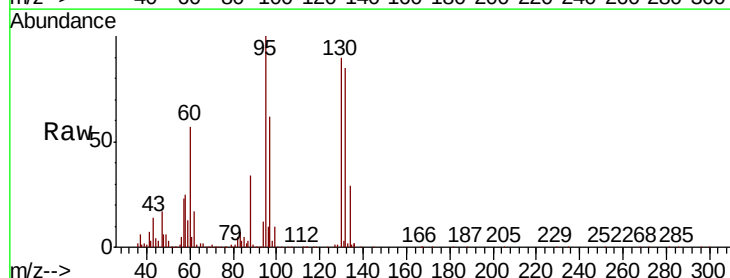
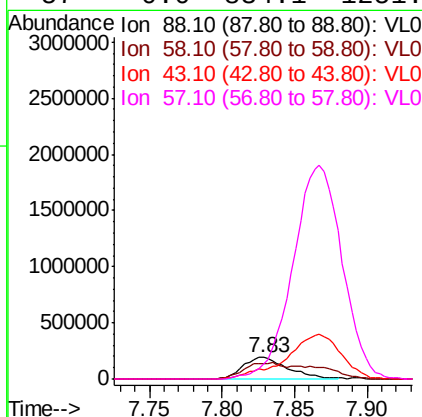
Manual Integrations
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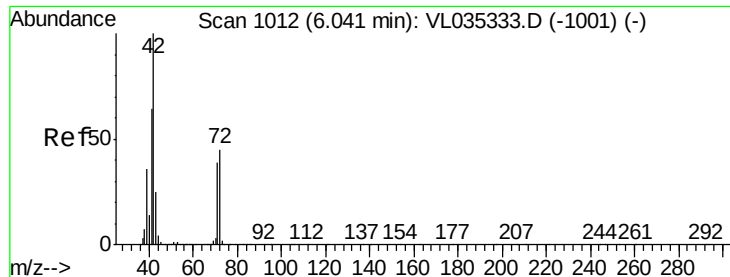
MMDadoda
 8/7/2020 12:53:26 PM



#40
 1,4-Dioxane
 Concen: 9.788 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	415768		
58	127.5		96.7	145.1
43	0.0		190.7	286.1#
57	0.0		834.1	1251.1#





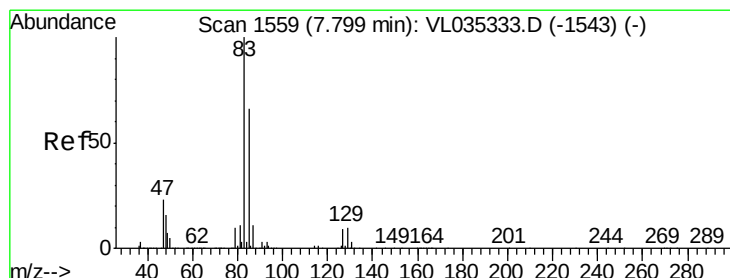
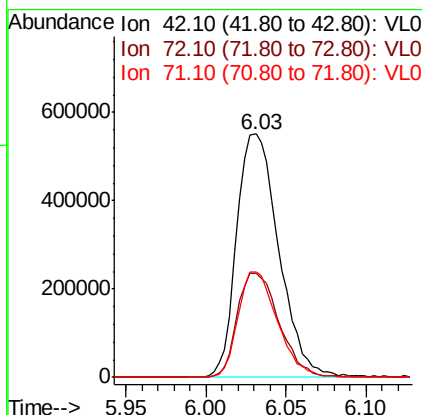
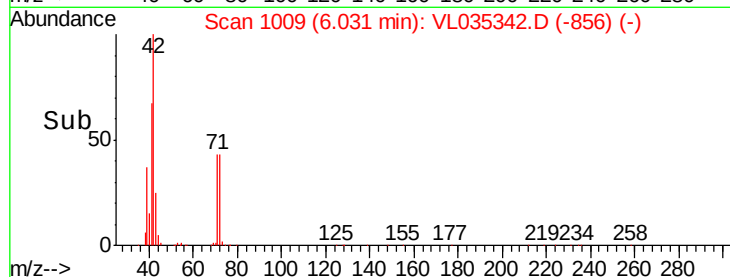
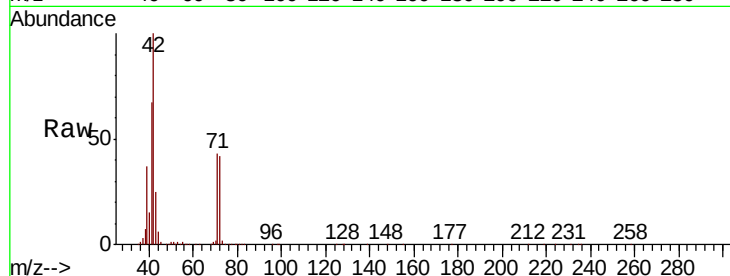
#41
Tetrahydrofuran
Concen: 11.256 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.6	50.4
71	41.0	33.1	49.7

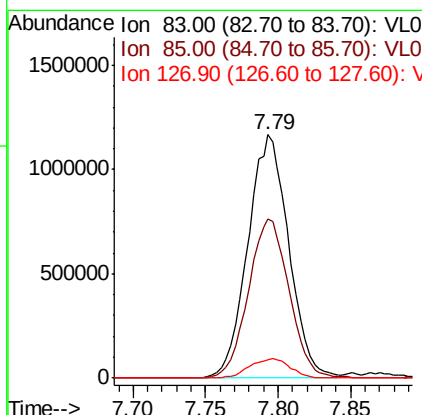
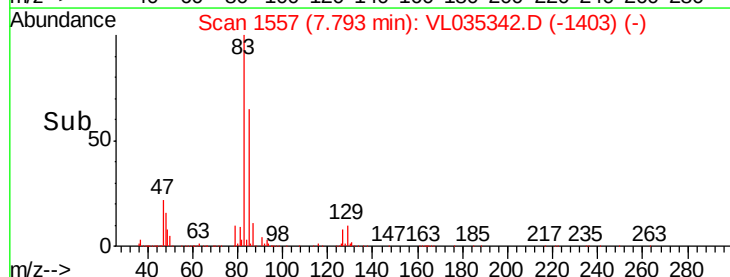
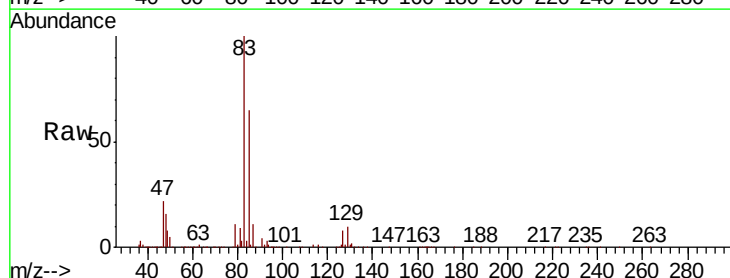
Manual Integrations
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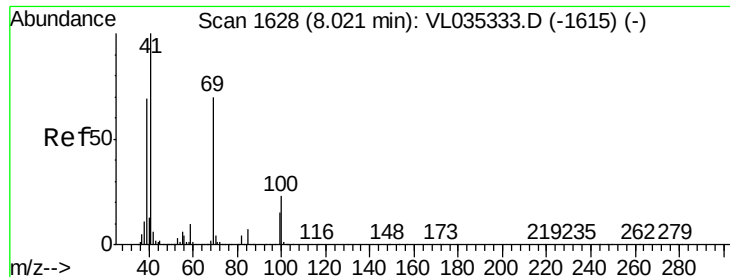
MMDadoda
8/7/2020 12:53:26 PM



#42
Bromodichloromethane
Concen: 9.958 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.1	79.7
127	7.8	6.8	10.2





#43

Methyl Methacrylate

Concen: 11.370 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

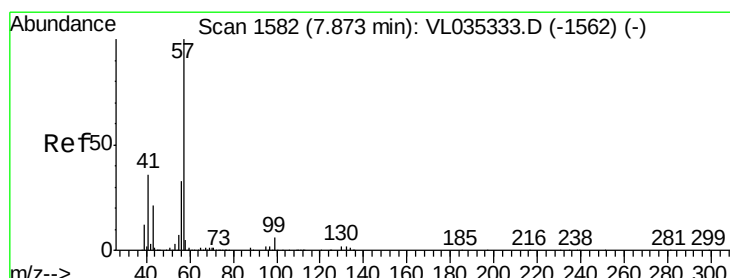
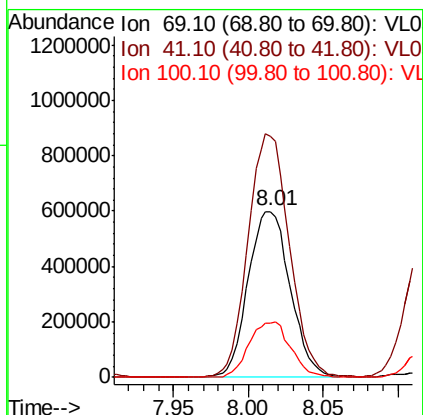
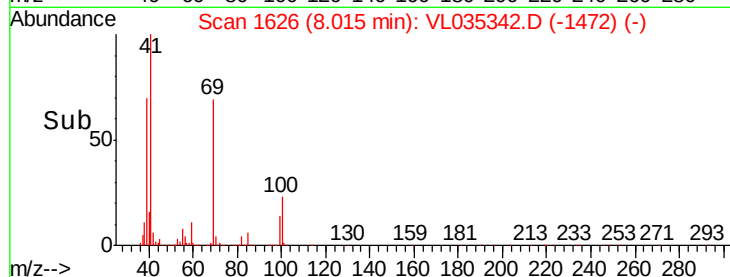
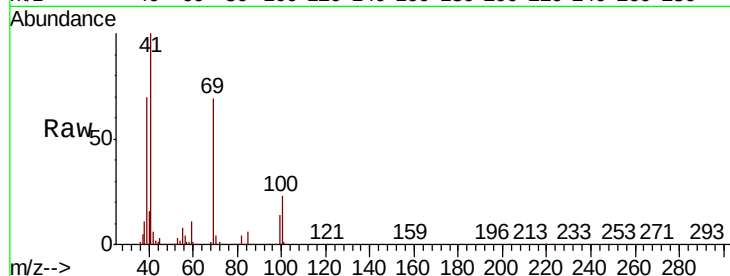
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1171986

Ion	Ratio	Lower	Upper
69	100		
41	144.1	115.8	173.6
100	33.3	26.7	40.1

Manual Integrations
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8/7/2020 12:53:26 PM



#44

2,2,4-Trimethylpentane

Concen: 10.327 ppbv

RT: 7.87 min Scan# 1580

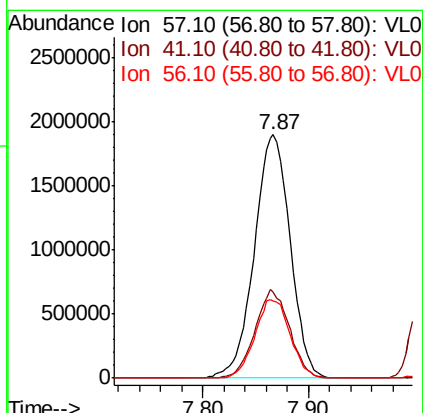
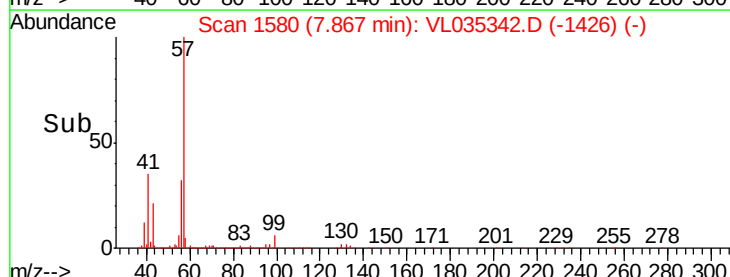
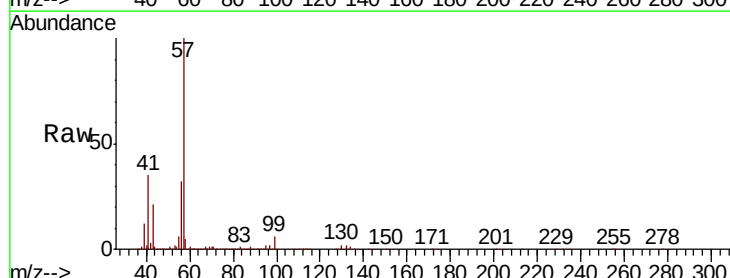
Delta R.T. -0.01 min

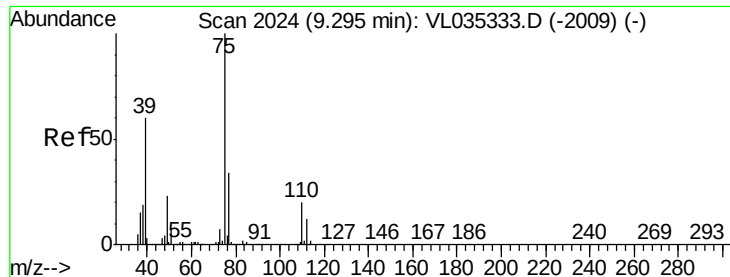
Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

Tgt Ion: 57 Resp: 4495215

Ion	Ratio	Lower	Upper
57	100		
41	35.0	27.9	41.9
56	31.8	25.4	38.0





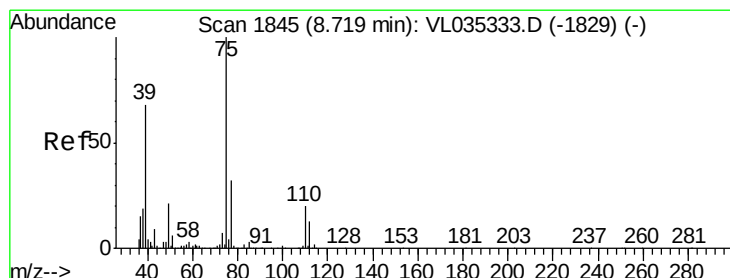
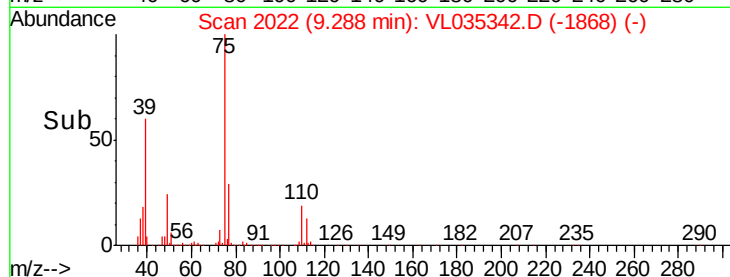
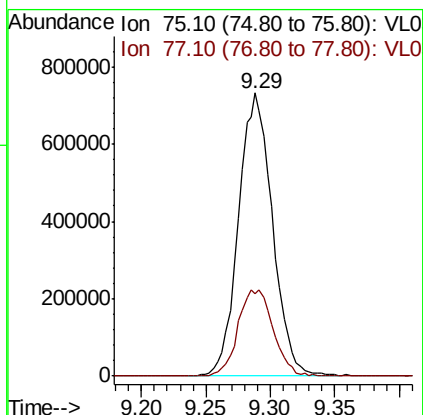
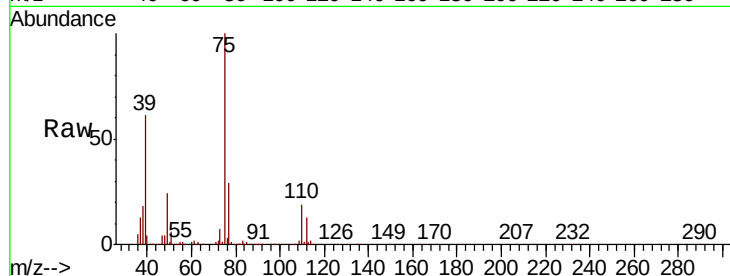
#45
t-1,3-Dichloropropene
Concen: 12.545 ppbv
RT: 9.29 min Scan# 2022
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1341415
Ion Ratio Lower Upper
75 100
77 28.9 27.0 40.6

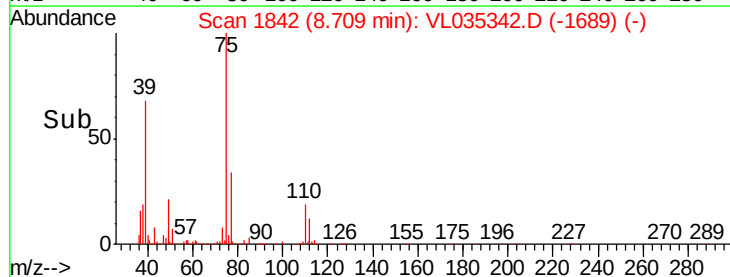
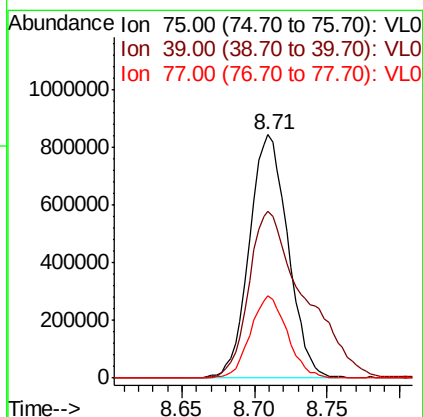
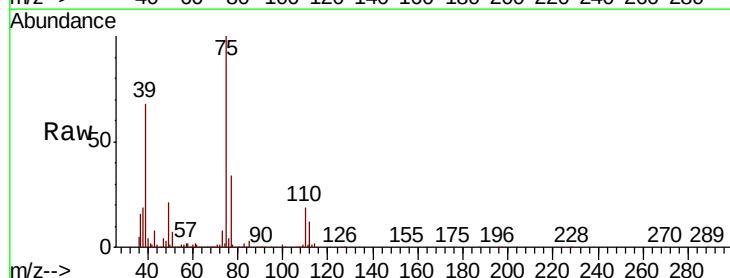
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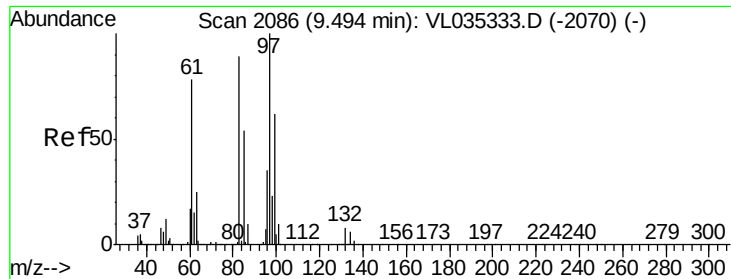
MMDadoda
8/7/2020 12:53:26 PM



#46
cis-1,3-Dichloropropene
Concen: 12.112 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 75 Resp: 1564116
Ion Ratio Lower Upper
75 100
39 68.5 54.2 81.2
77 33.8 25.4 38.2





#47

1,1,2-Trichloroethane

Concen: 9.794 ppbv

RT: 9.48 min Scan# 2083

Delta R.T. -0.01 min

Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 97 Resp: 1168034

Ion Ratio Lower Upper

97 100

83 89.1 71.3 106.9

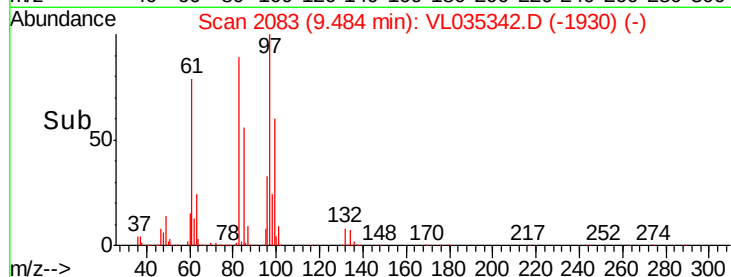
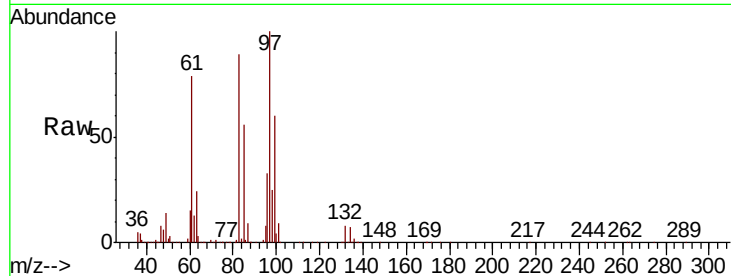
85 56.2 43.3 64.9

99 60.0 49.8 74.8

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MMDadoda

8/7/2020 12:53:26 PM

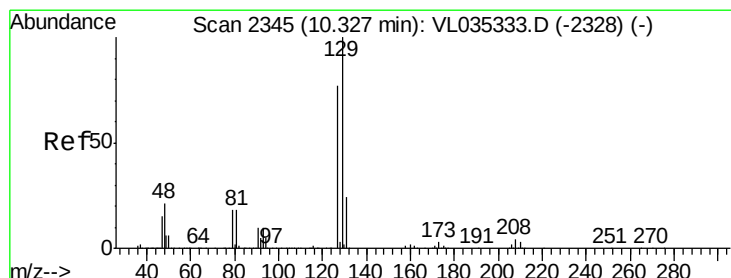
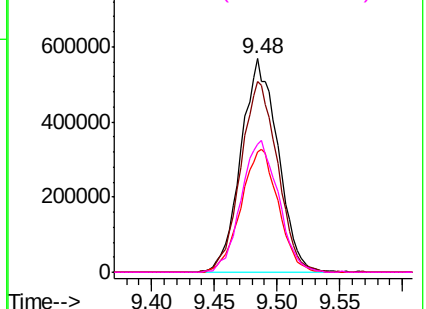


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.397 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. -0.01 min

Lab File: VL035342.D

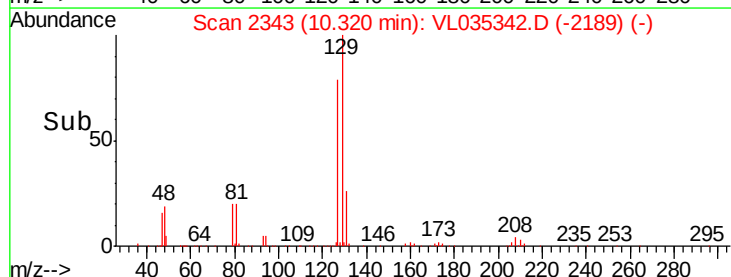
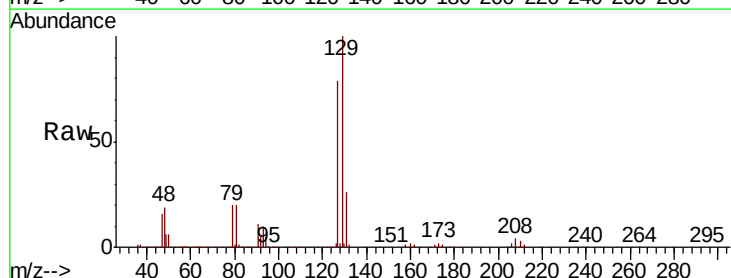
Acq: 6 Aug 2020 7:51

Tgt Ion: 129 Resp: 2031064

Ion Ratio Lower Upper

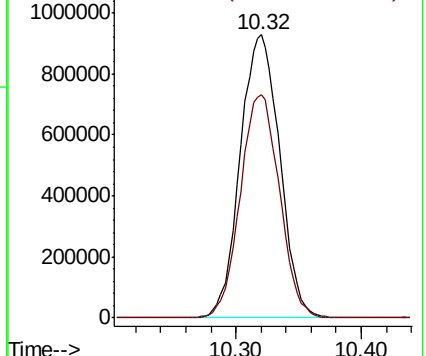
129 100

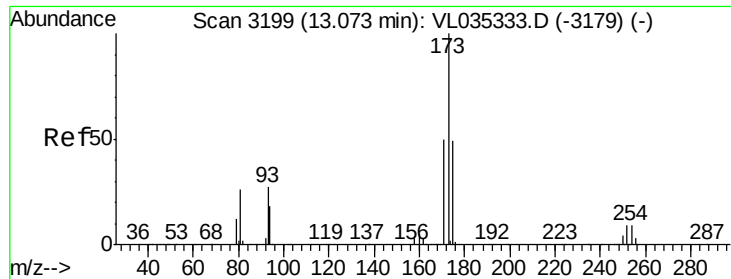
127 78.4 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





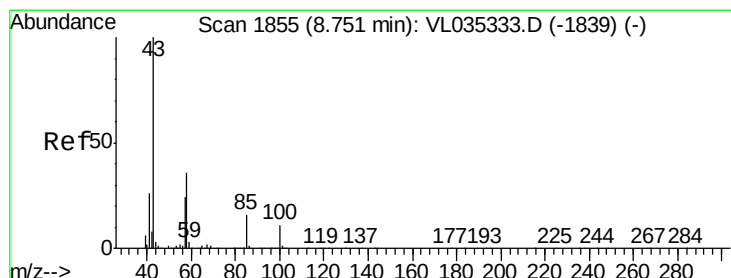
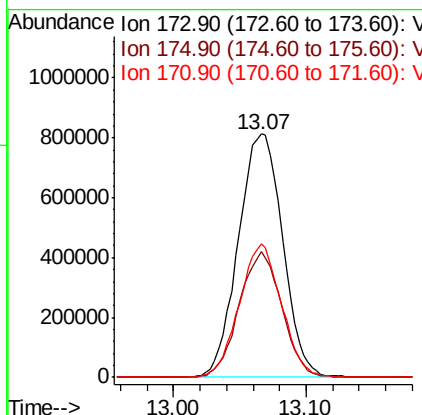
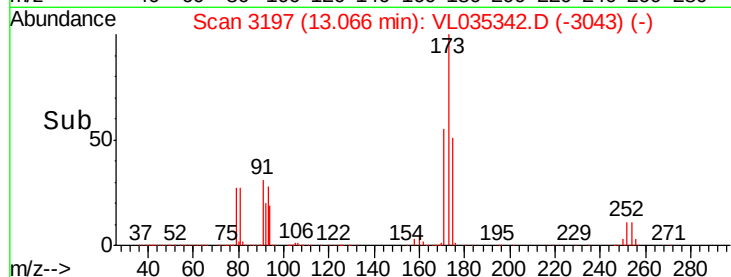
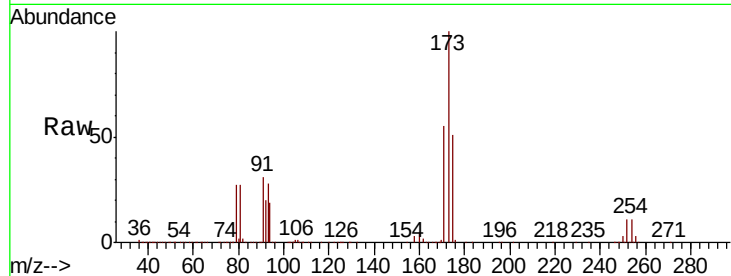
#49
Bromoform
Concen: 10.651 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1896006
Ion Ratio Lower Upper
173 100
175 49.6 39.3 58.9
171 52.1 41.2 61.8

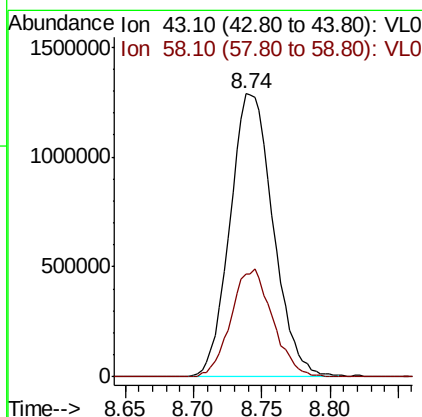
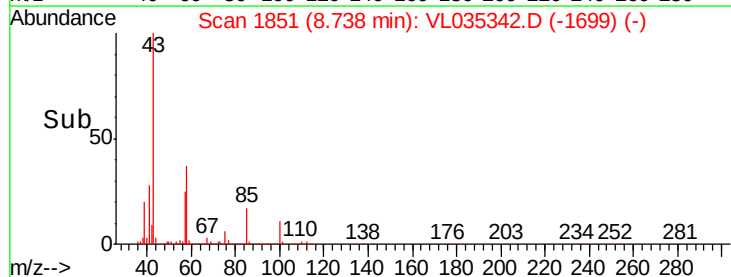
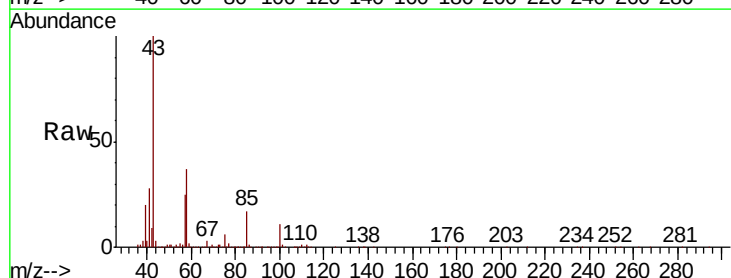
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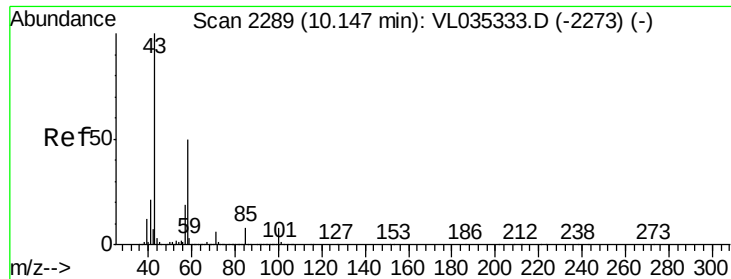
MMDadoda
8/7/2020 12:53:26 PM



#50
4-Methyl-2-Pentanone
Concen: 10.339 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 43 Resp: 2820091
Ion Ratio Lower Upper
43 100
58 37.2 29.2 43.8





#51

2-Hexanone

Concen: 10.980 ppbv

RT: 10.14 min Scan# 2287

Delta R.T. -0.01 min

Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2347934

Ion Ratio Lower Upper

43 100

58 49.3 39.4 59.2

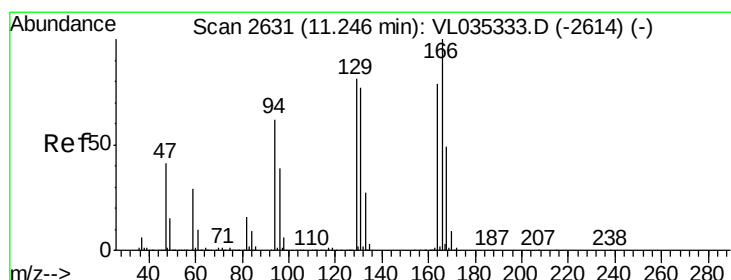
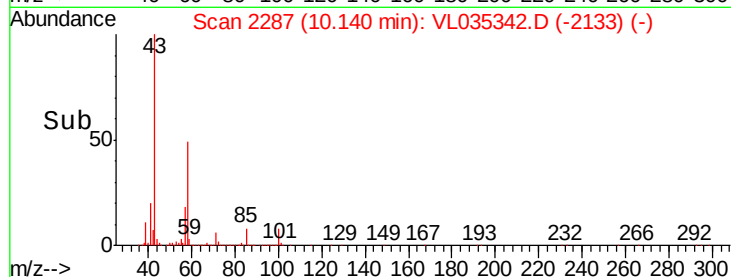
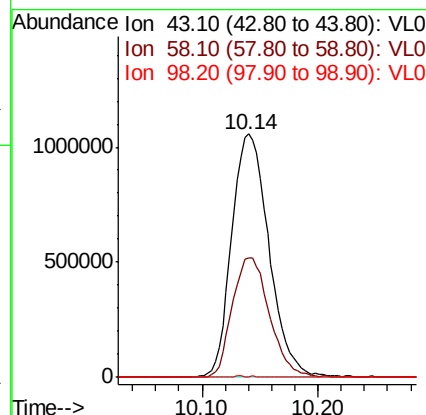
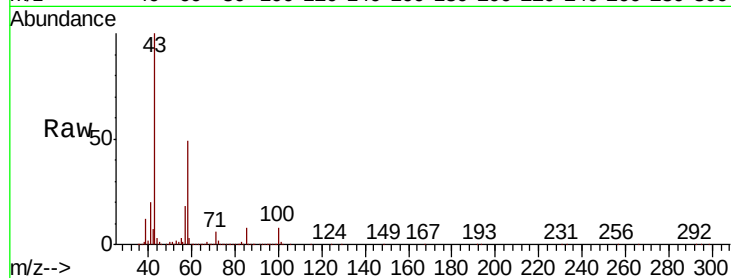
98 0.6 0.2 0.4#

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#52

Tetrachloroethene

Concen: 10.309 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. -0.01 min

Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

Tgt Ion:164 Resp: 1001418

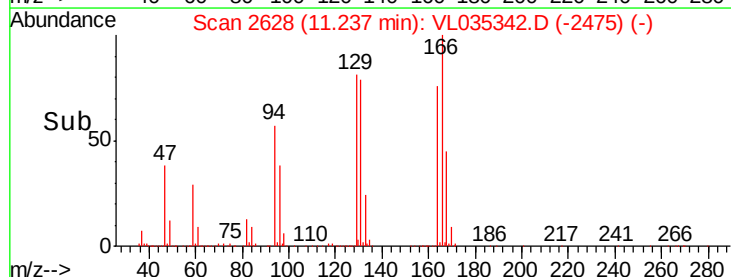
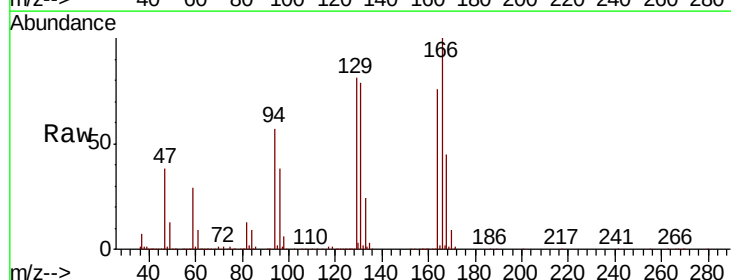
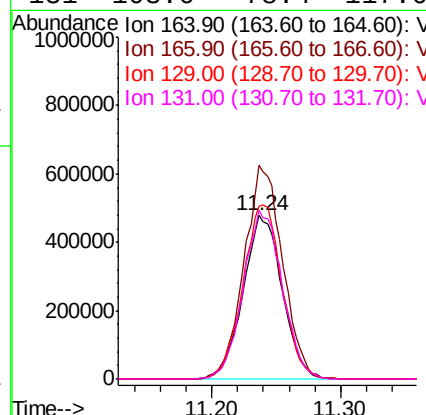
Ion Ratio Lower Upper

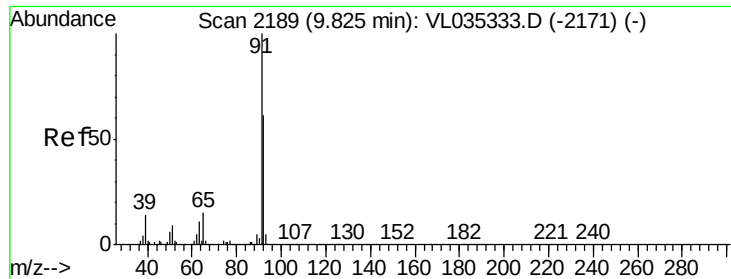
164 100

166 130.7 101.4 152.0

129 105.8 82.1 123.1

131 103.6 78.4 117.6





#53

Toluene

Concen: 11.662 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3108151

Ion Ratio Lower Upper

91 100

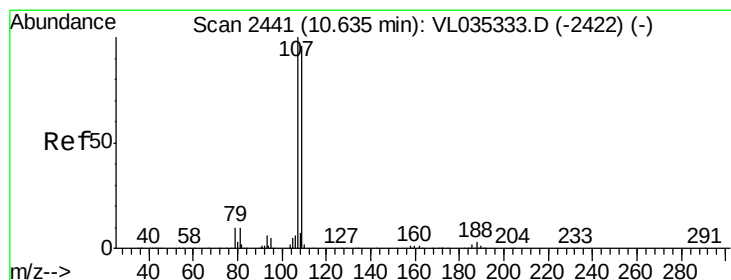
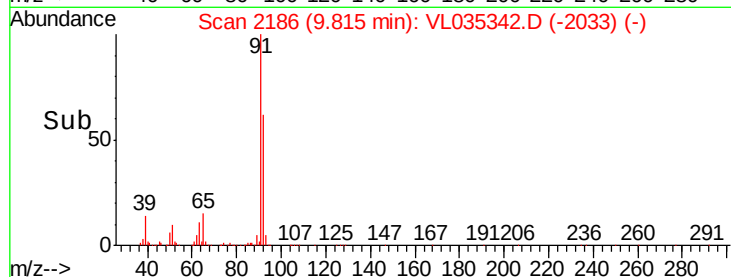
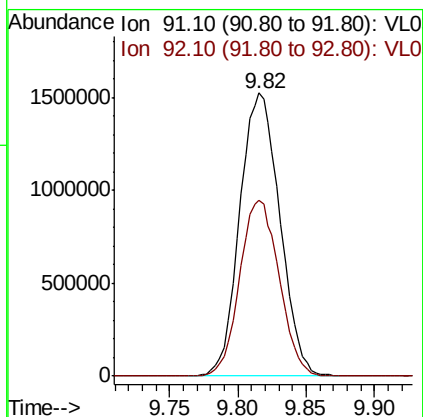
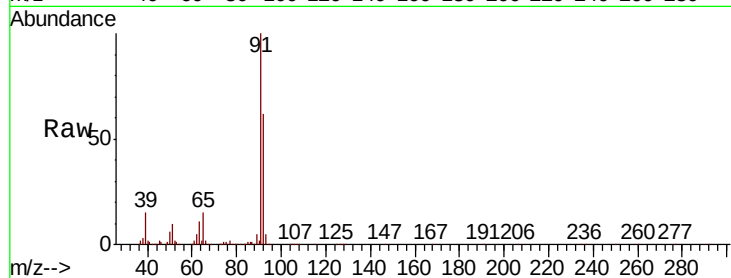
92 61.0 48.5 72.7

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.417 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL035342.D

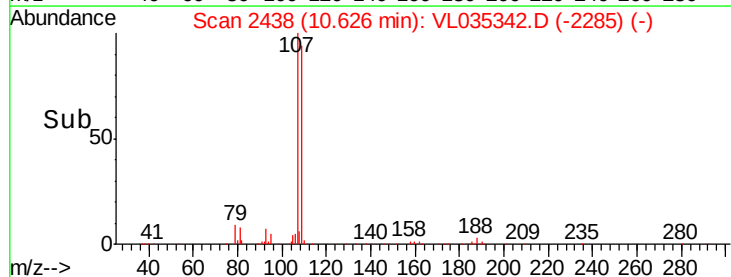
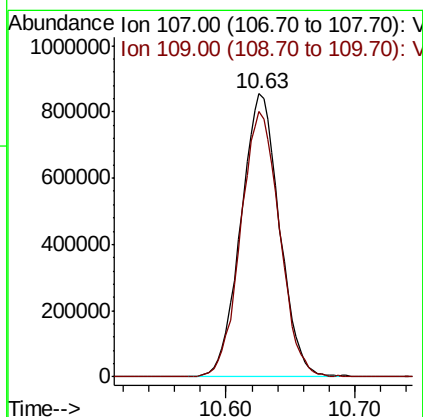
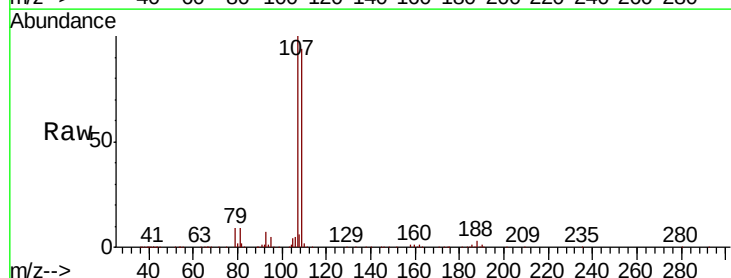
Acq: 6 Aug 2020 7:51

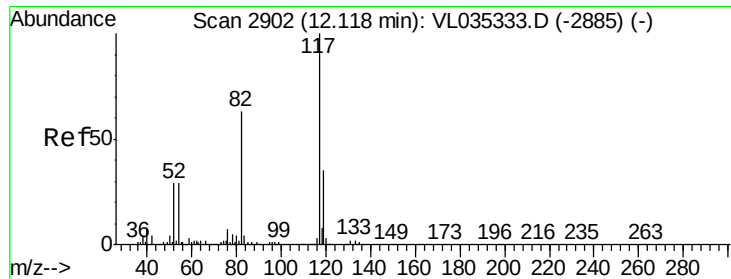
Tgt Ion: 107 Resp: 1782251

Ion Ratio Lower Upper

107 100

109 93.5 76.8 115.2





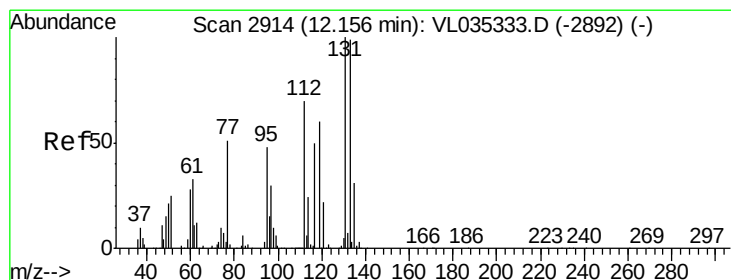
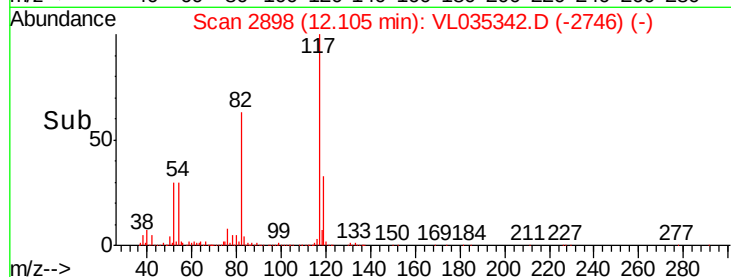
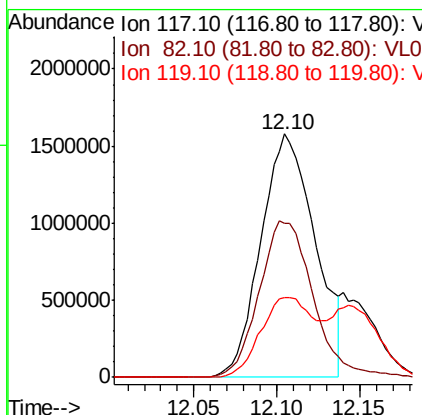
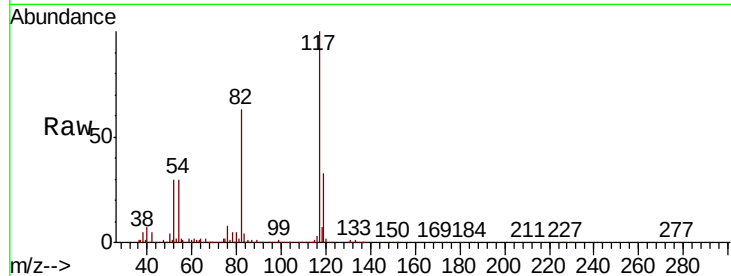
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.3	51.0	76.4
119	30.4	24.7	37.1

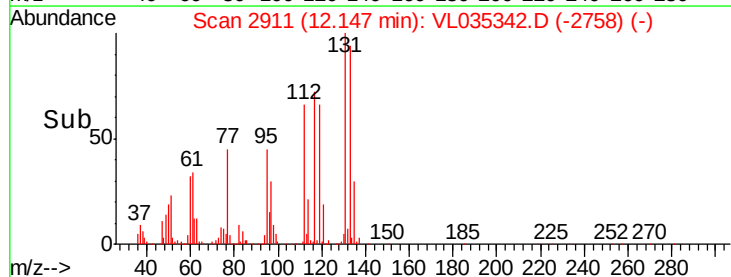
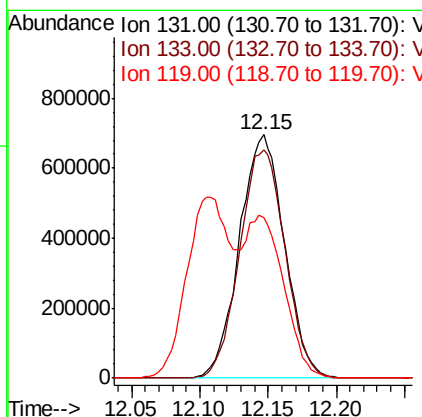
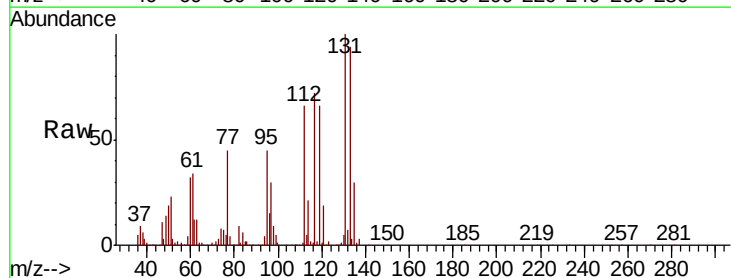
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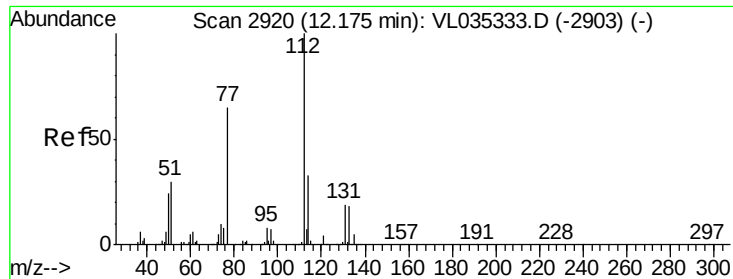
MMDadoda
8/7/2020 12:53:26 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.380 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	75.4	113.2
119	60.0	43.7	65.5





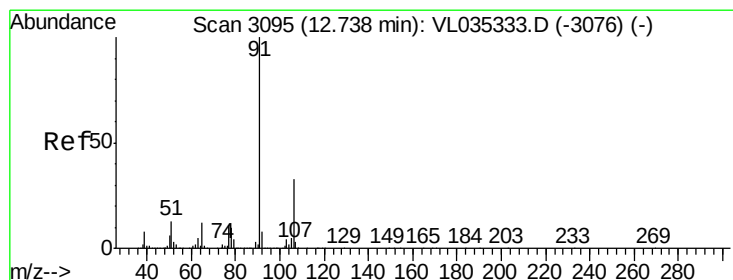
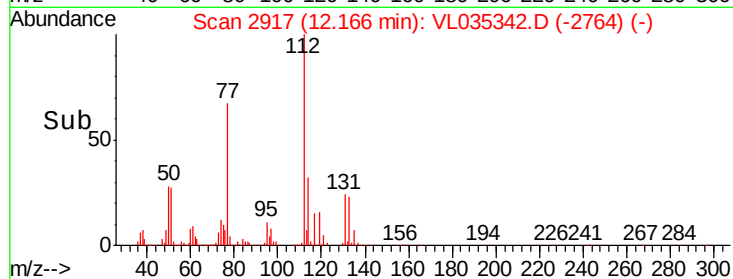
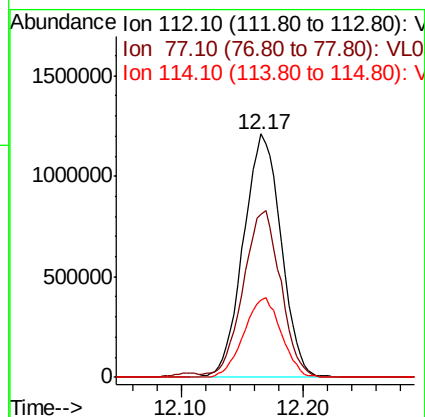
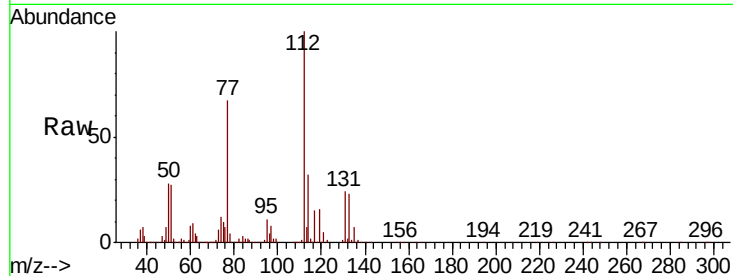
#57
Chlorobenzene
Concen: 9.507 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	66.9	53.3	79.9
114	31.7	29.8	36.4

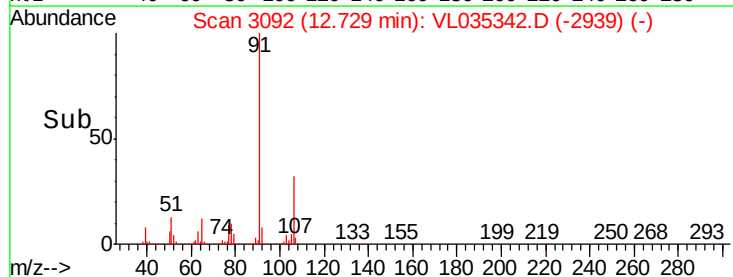
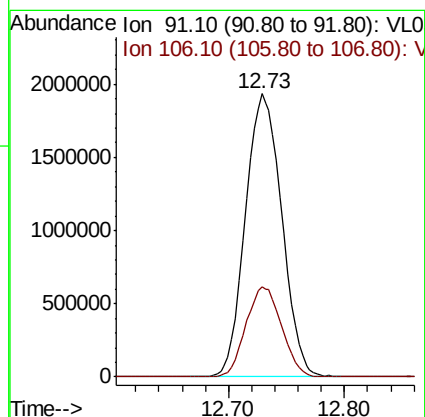
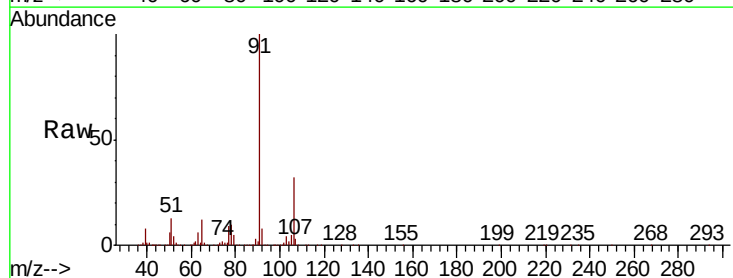
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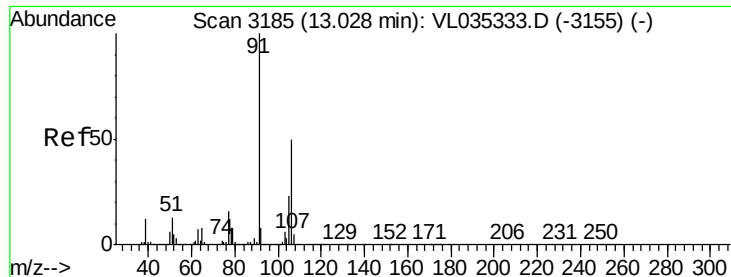
MMDadoda
8/7/2020 12:53:26 PM



#58
Ethyl Benzene
Concen: 11.275 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.8	26.8	40.2





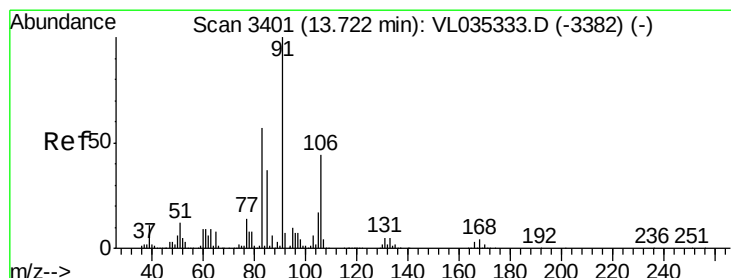
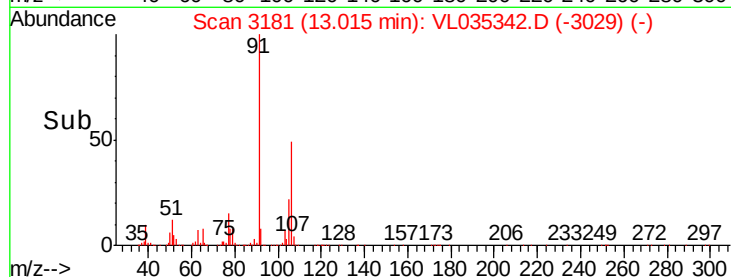
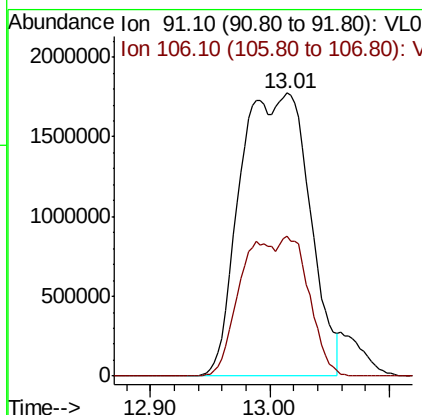
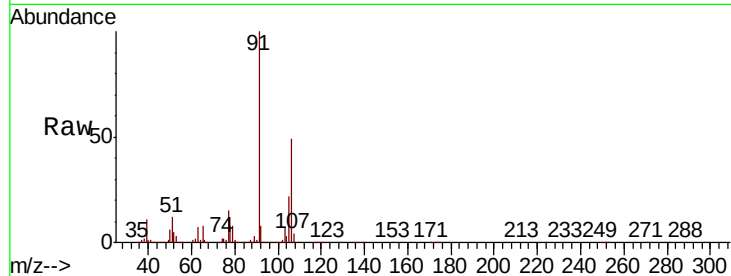
#59
m/p-Xylene
Concen: 20.539 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 7153227
Ion Ratio Lower Upper
91 100
106 47.1 37.8 56.8

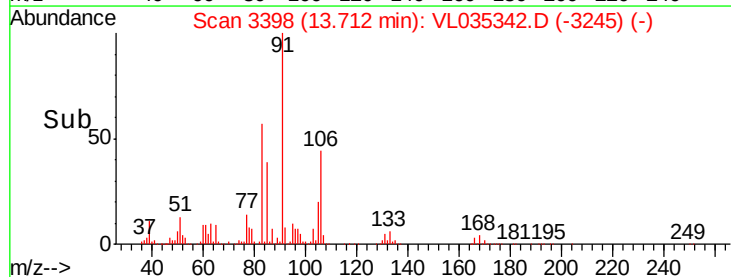
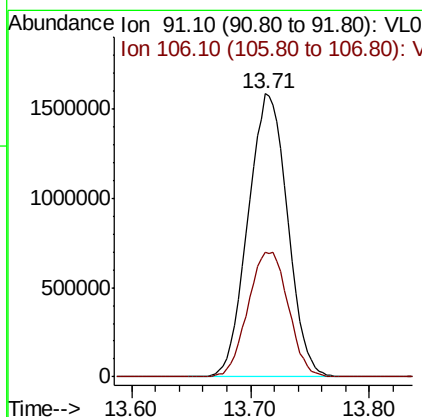
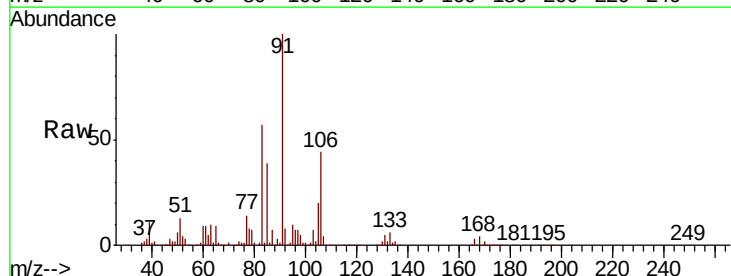
Manual Integrations
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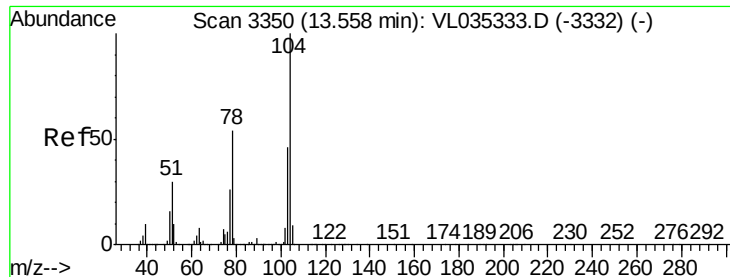
MMDadoda
8/7/2020 12:53:26 PM



#60
o-Xylene
Concen: 10.539 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 91 Resp: 3642526
Ion Ratio Lower Upper
91 100
106 44.9 22.7 68.0





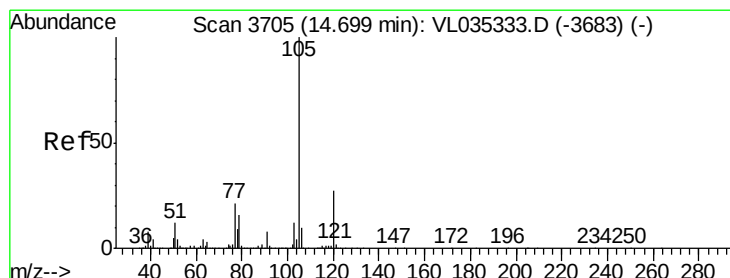
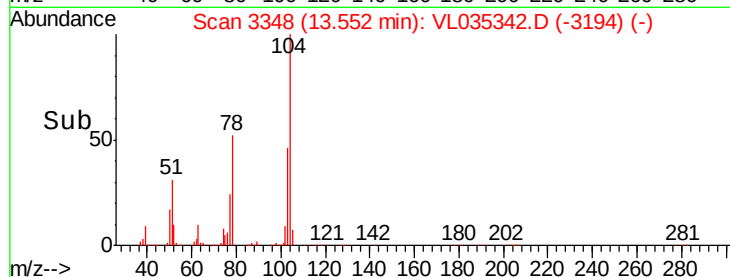
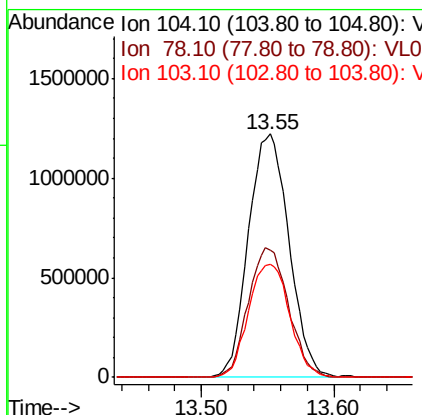
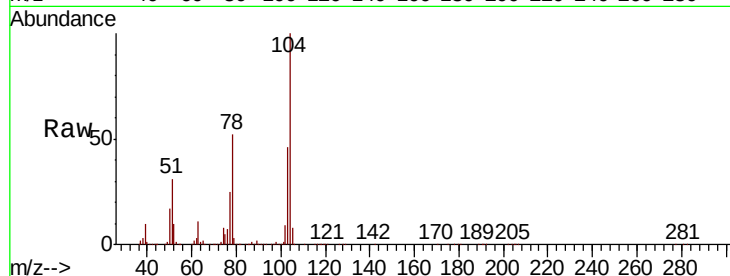
#61
Stvrene
Concen: 12.374 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.6	63.8
103	47.4	38.1	57.1

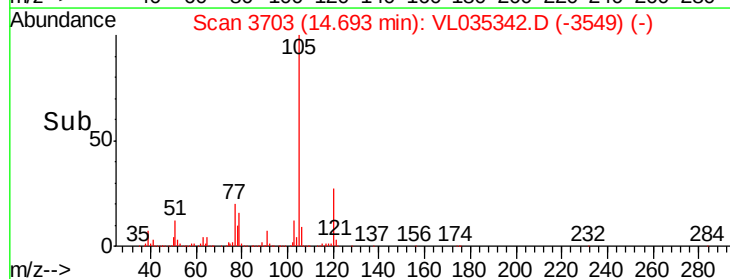
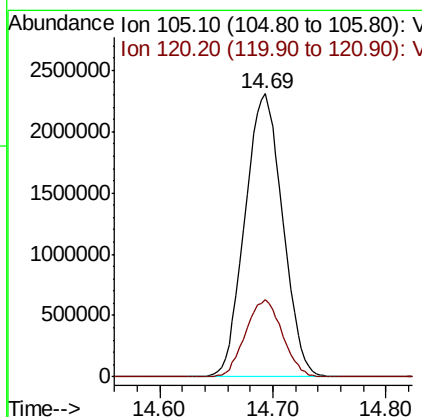
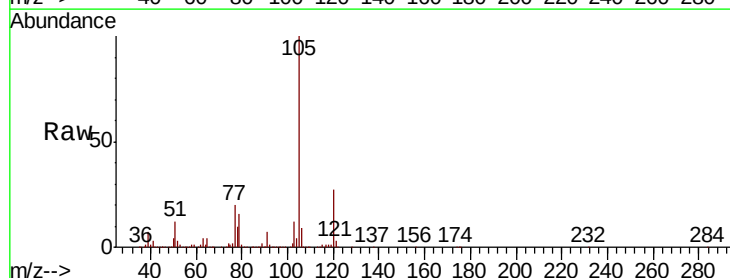
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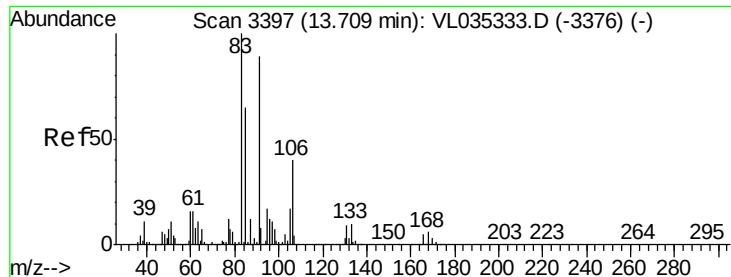
MMDadoda
8/7/2020 12:53:26 PM



#62
Isopropylbenzene
Concen: 10.303 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.1	31.7





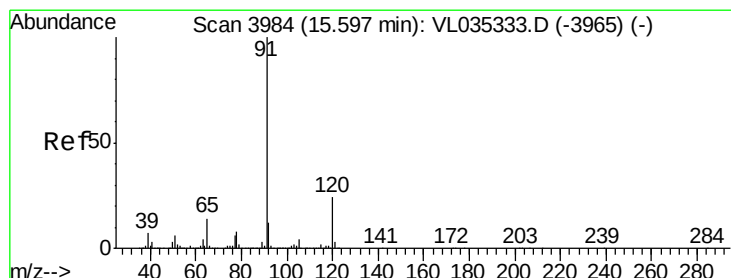
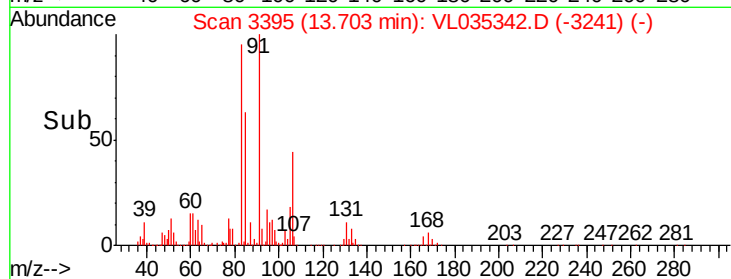
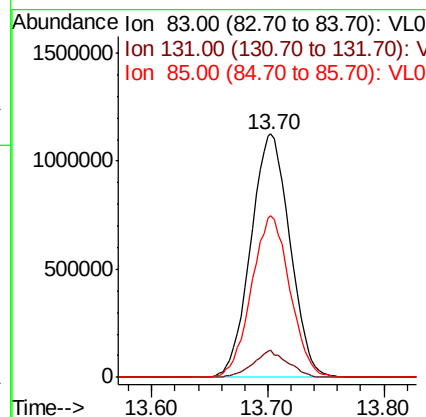
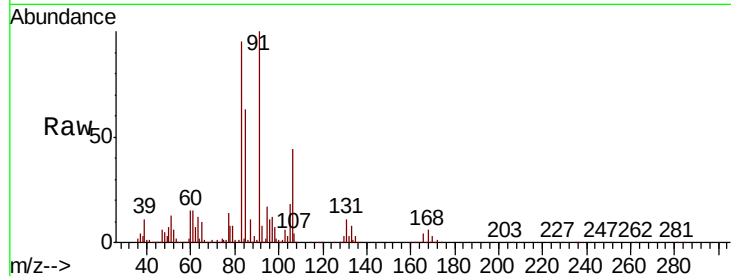
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.965 ppbv
 RT: 13.70 min Scan# 3395
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	2643241
Ion Ratio	100	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	65.2	32.6	98.0

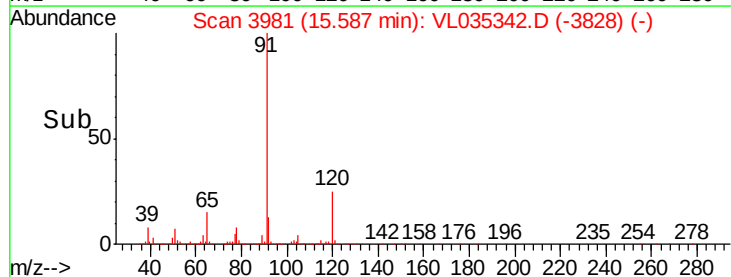
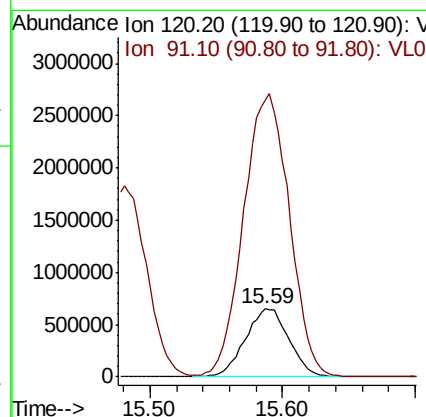
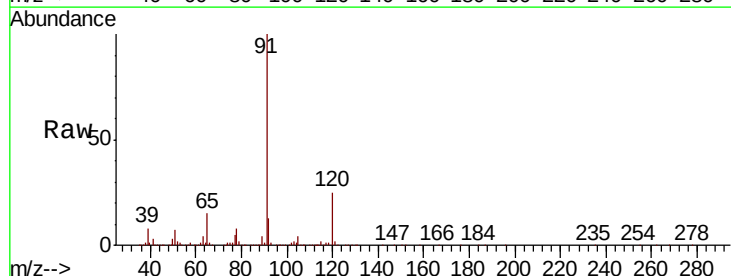
Manual Integrations
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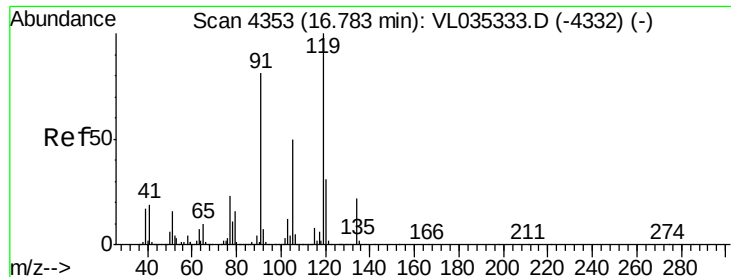
MMDadoda
 8/7/2020 12:53:26 PM



#64
 n-propylbenzene
 Concen: 10.638 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Tgt Ion	120	Resp	1487757
Ion Ratio	100	Lower	Upper
120	100		
91	438.0	357.2	535.8





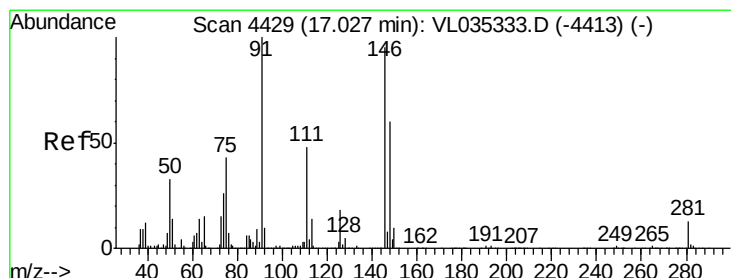
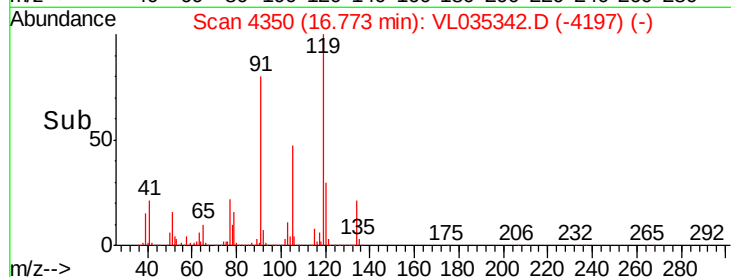
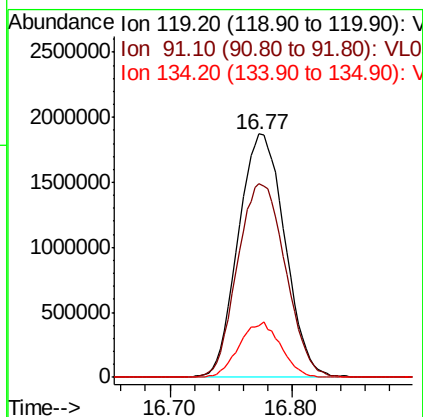
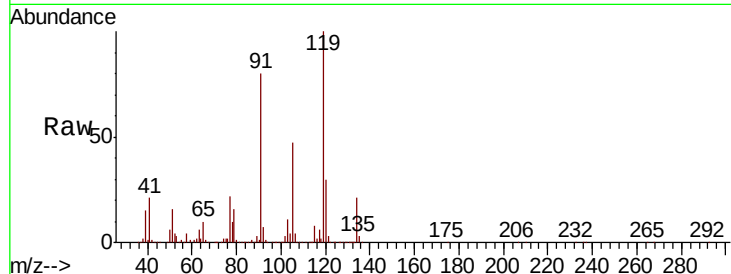
#65
 tert-Butylbenzene
 Concen: 10.367 ppbv
 RT: 16.77 min Scan# 4350
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	82.4	66.3	99.5
134	20.3	16.2	24.2

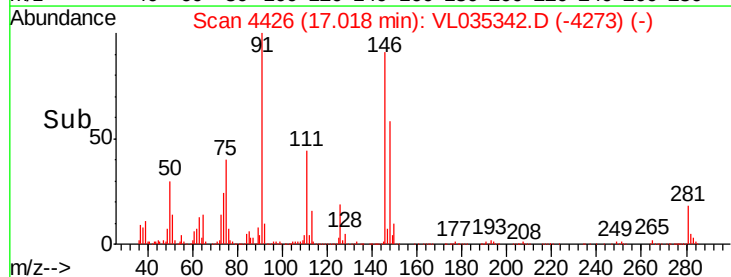
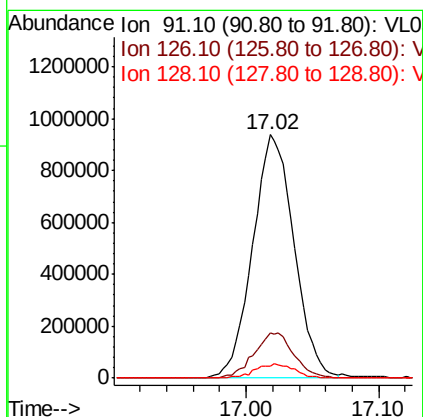
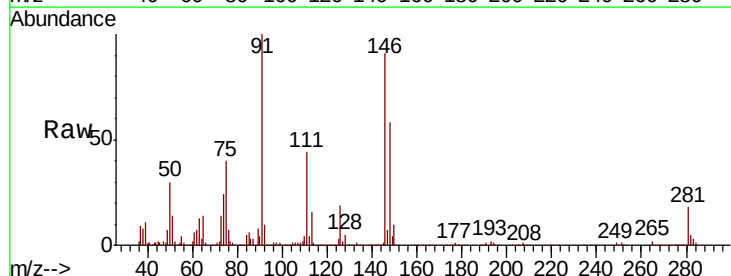
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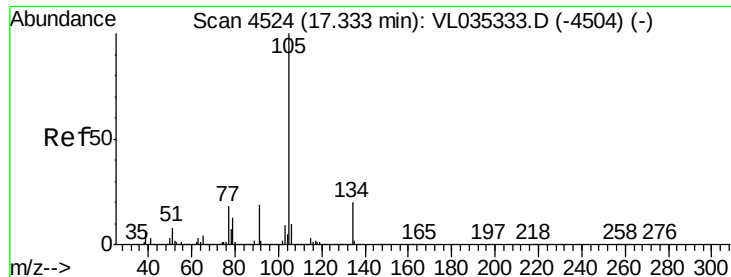
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#66
 Benzyl Chloride
 Concen: 10.793 ppbv
 RT: 17.02 min Scan# 4426
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.1	21.1
128	5.7	4.5	6.7





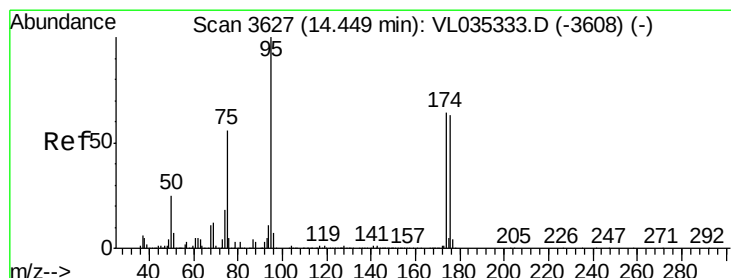
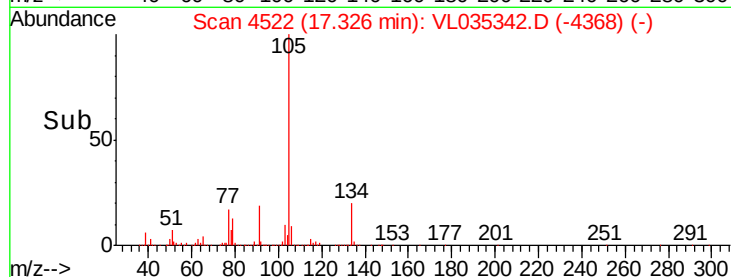
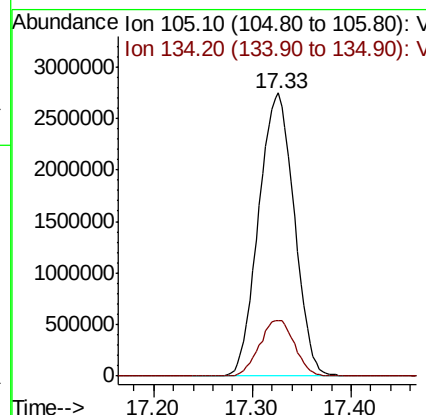
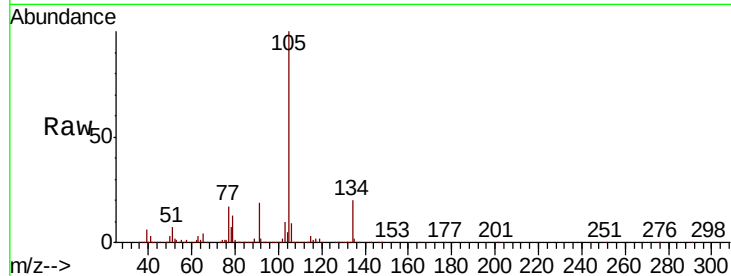
#67
 sec-Butylbenzene
 Concen: 10.122 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 105 Resp: 6822235
 Ion Ratio Lower Upper
 105 100
 134 19.5 15.4 23.2

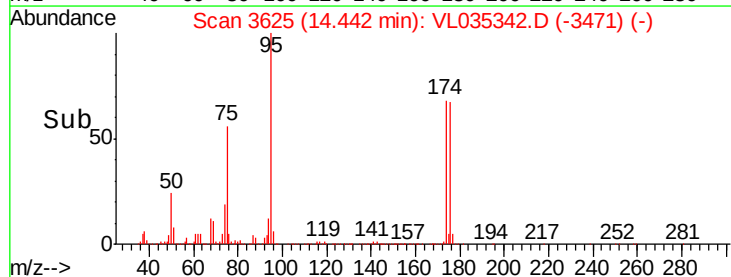
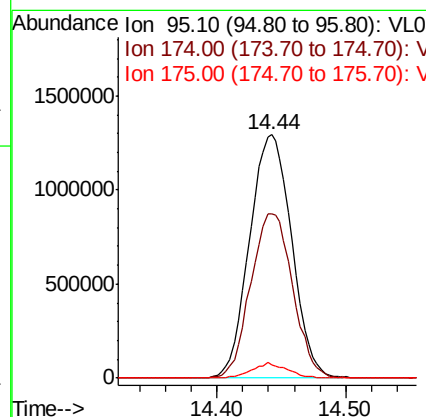
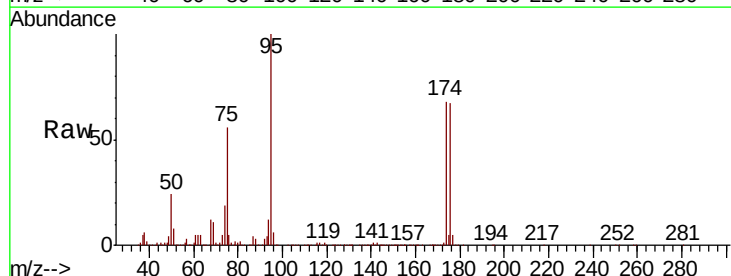
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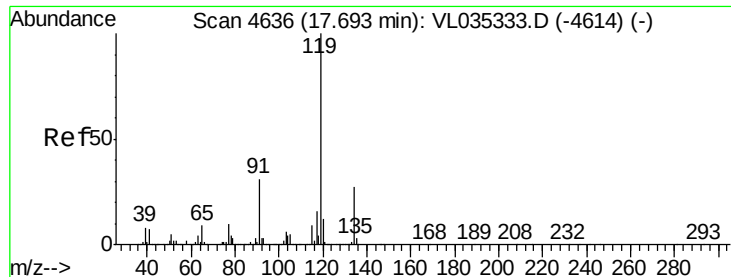
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.814 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Tgt Ion: 95 Resp: 2941732
 Ion Ratio Lower Upper
 95 100
 174 67.6 53.5 80.3
 175 5.3 4.2 6.2





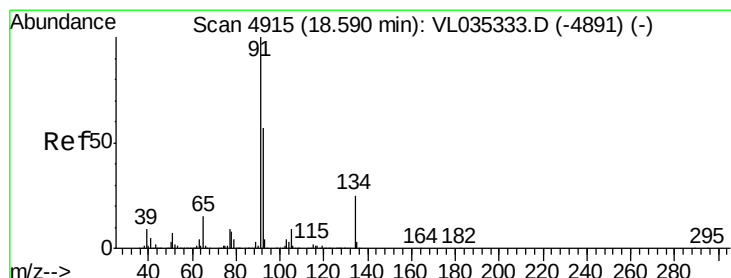
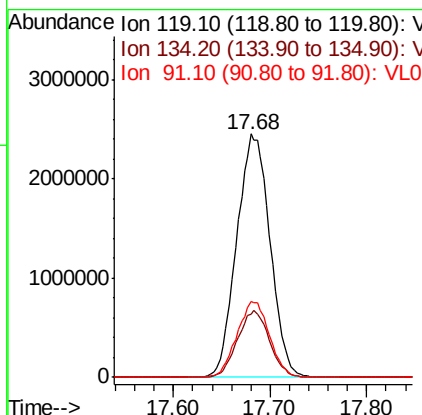
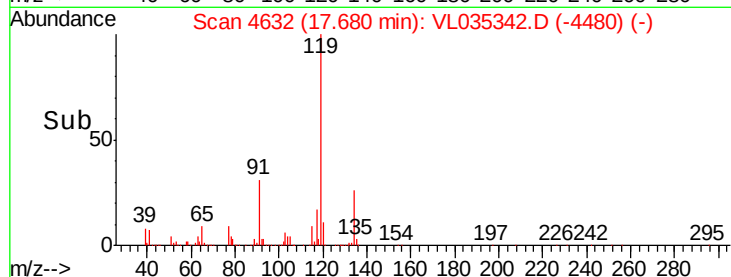
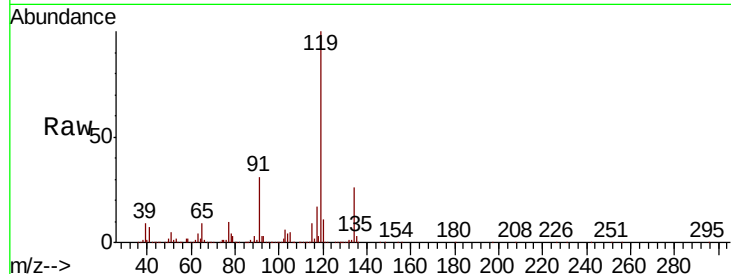
#69
 p-Isopropyltoluene
 Concen: 10.664 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.1	31.7
91	30.5	24.5	36.7

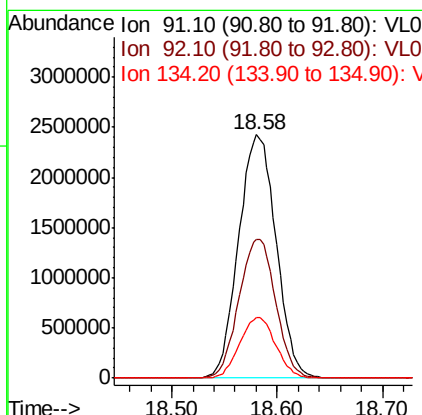
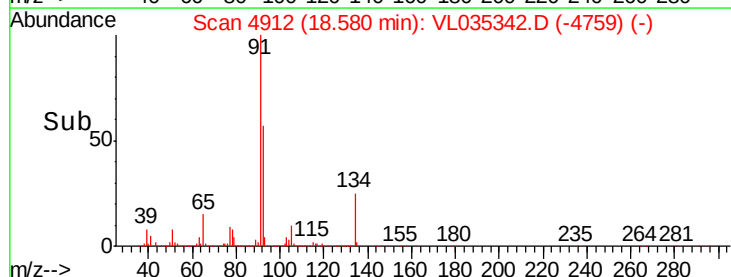
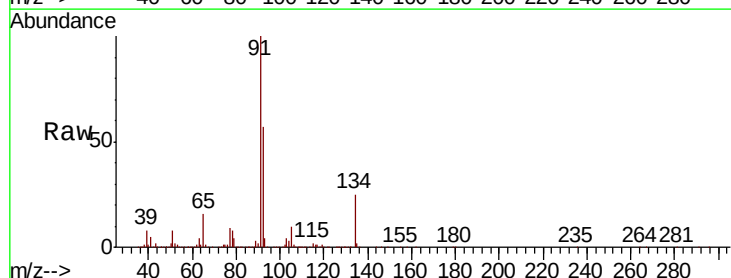
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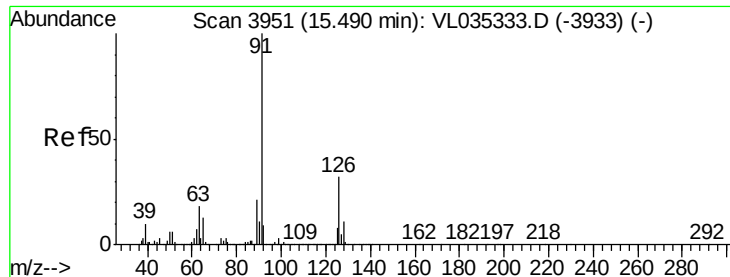
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 8/7/2020 12:53:26 PM



#70
 n-Butylbenzene
 Concen: 10.192 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.0	44.2	66.2
134	24.0	19.0	28.6





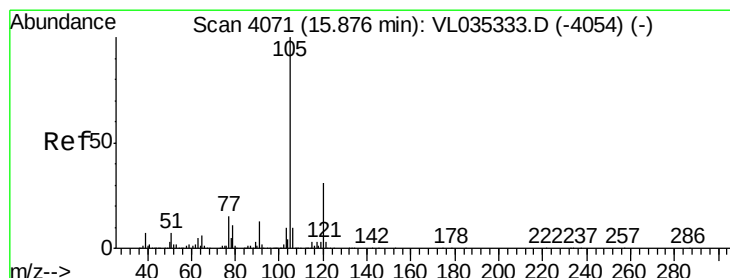
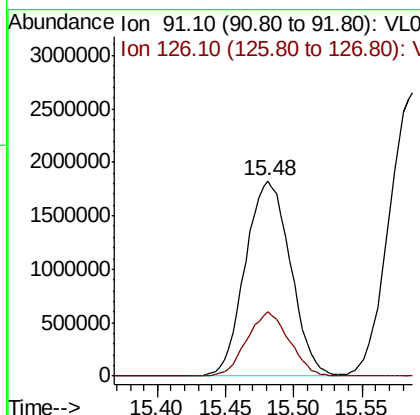
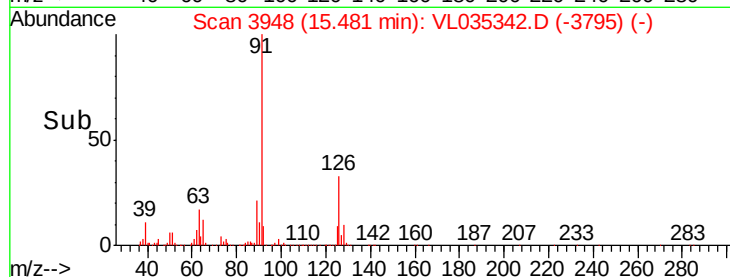
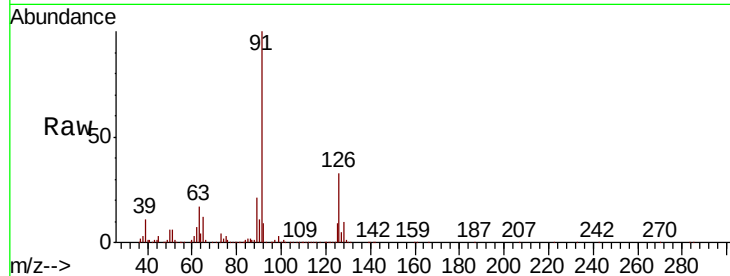
#71
 2-Chlorotoluene
 Concen: 11.019 ppbv
 RT: 15.48 min Scan# 3948
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 4200494
 Ion Ratio Lower Upper
 91 100
 126 31.1 12.5 50.1

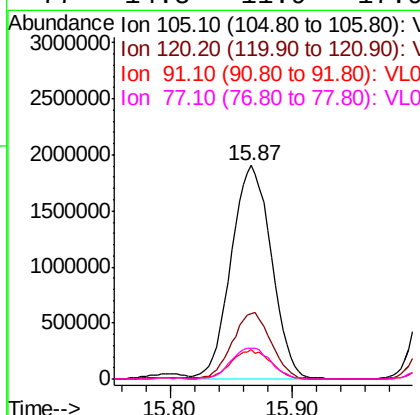
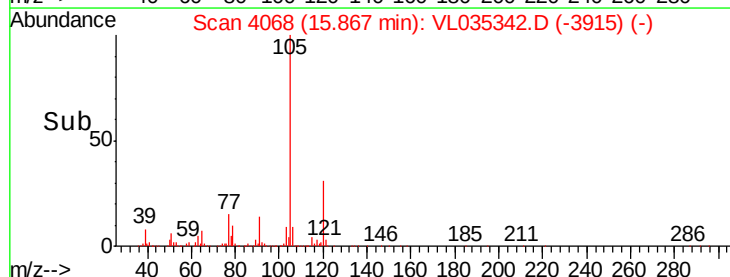
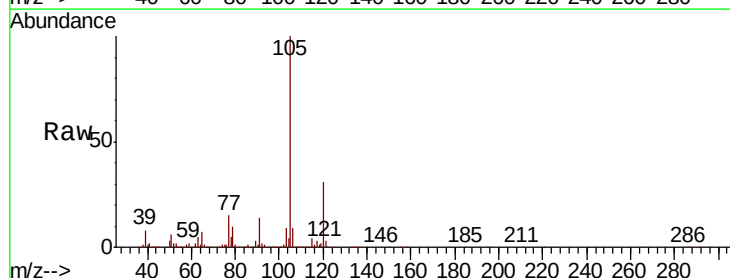
Manual Integrations
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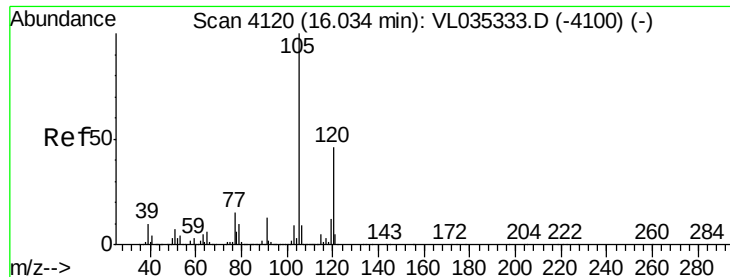
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#72
 4-Ethyltoluene
 Concen: 11.033 ppbv
 RT: 15.87 min Scan# 4068
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Tgt Ion: 105 Resp: 4347301
 Ion Ratio Lower Upper
 105 100
 120 30.7 24.0 36.0
 91 13.6 10.8 16.2
 77 14.5 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 10.889 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.01 min

Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4117242

Ion Ratio Lower Upper

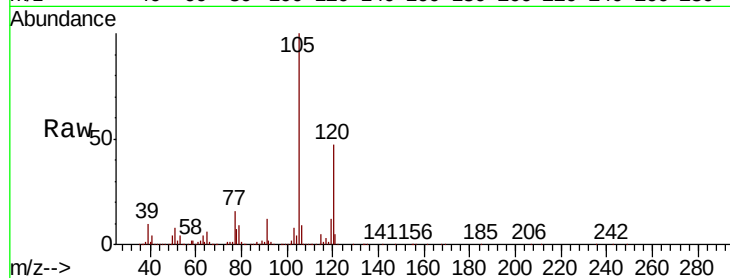
105 100

120 46.7 36.9 55.3

Manual Integrations
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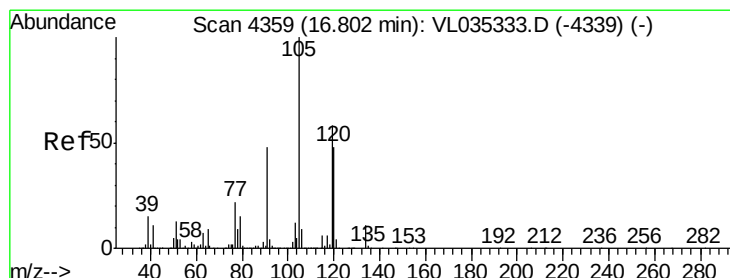
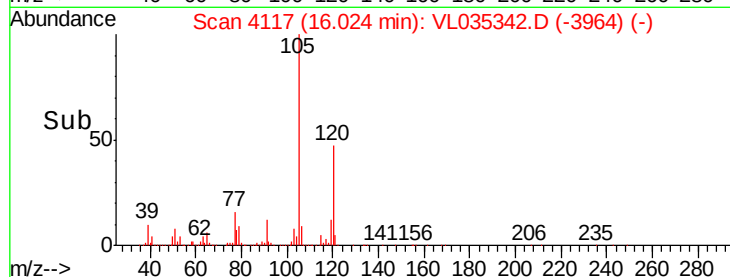
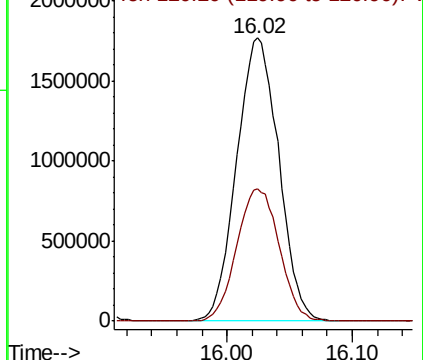
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.096 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. -0.01 min

Lab File: VL035342.D

Acq: 6 Aug 2020 7:51

Tgt Ion:105 Resp: 4363068

Ion Ratio Lower Upper

105 100

120 47.6 38.5 57.7

91 42.8 39.0 58.6

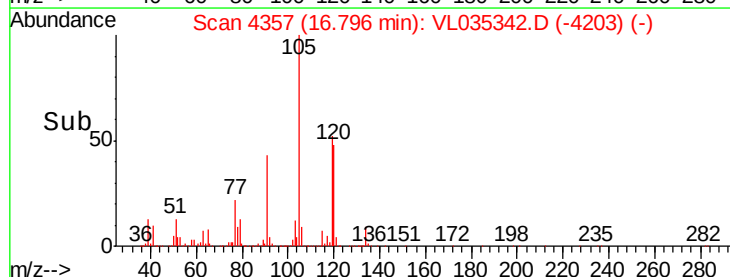
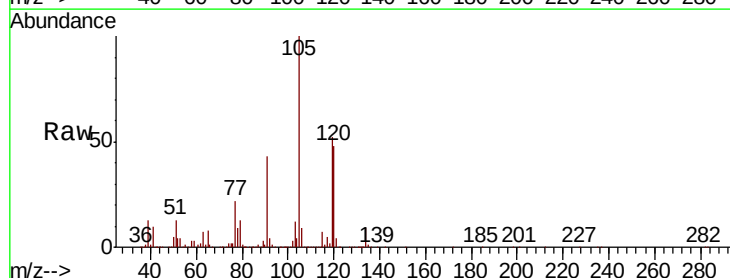
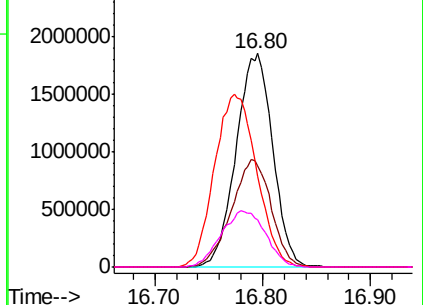
77 22.1 17.8 26.6

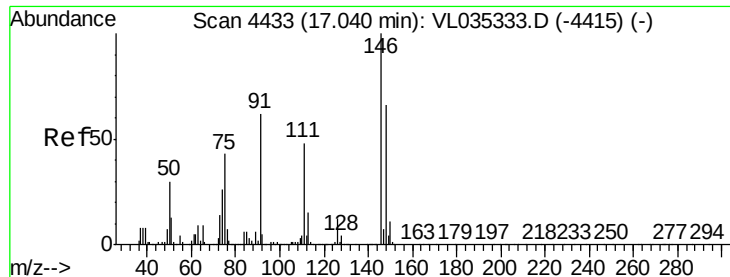
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





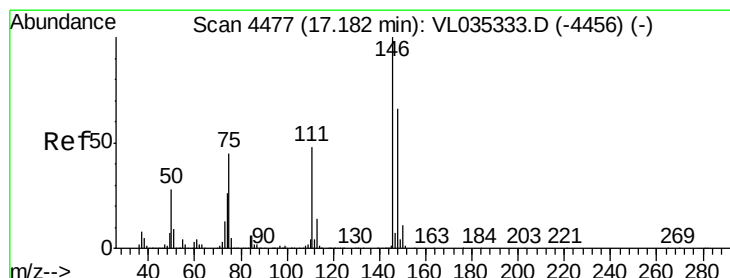
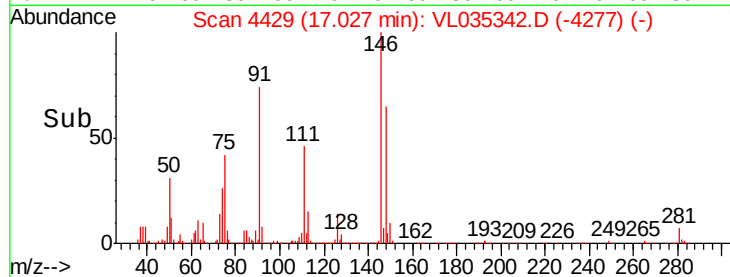
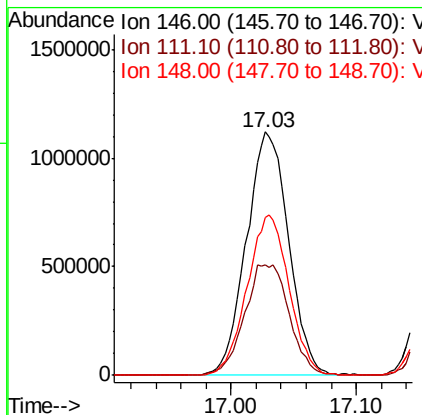
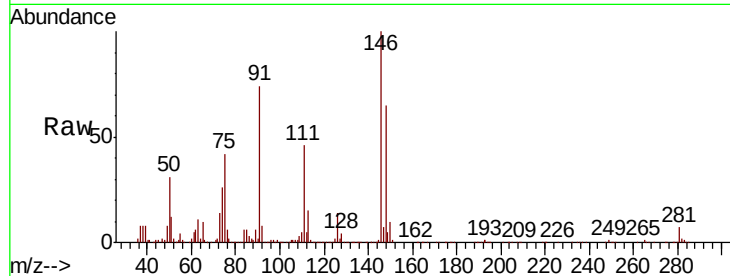
#75
 1,3-Dichlorobenzene
 Concen: 9.280 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	24.2	72.6
148	65.6	32.6	98.0

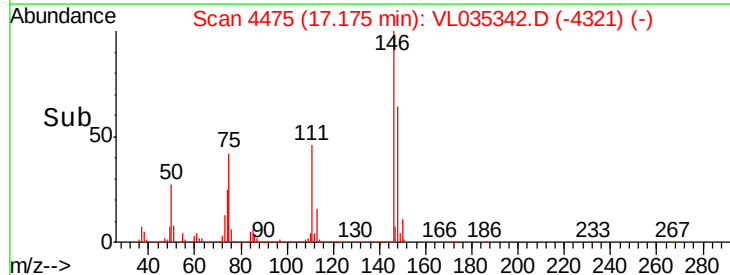
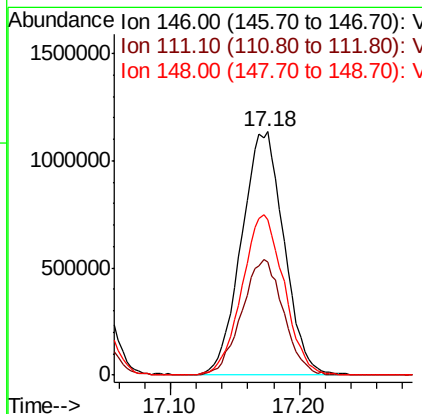
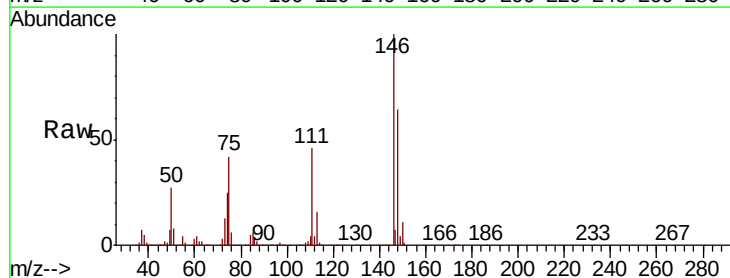
Manual Integrations
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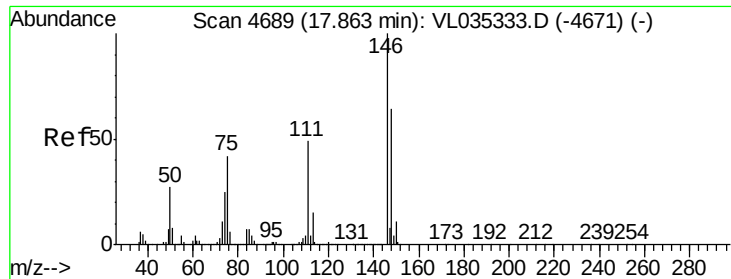
MMDadoda
 8/7/2020 12:53:26 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.905 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.3	69.9
148	65.7	32.1	96.5





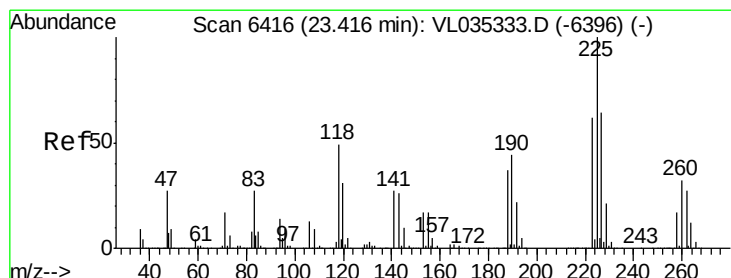
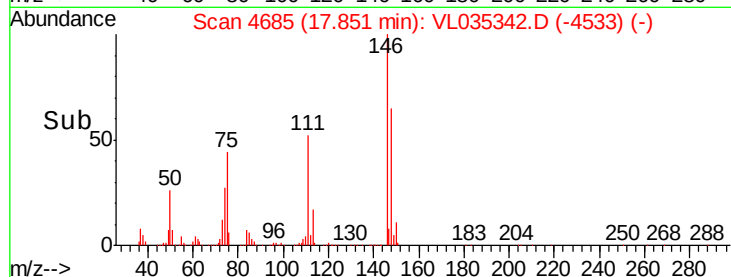
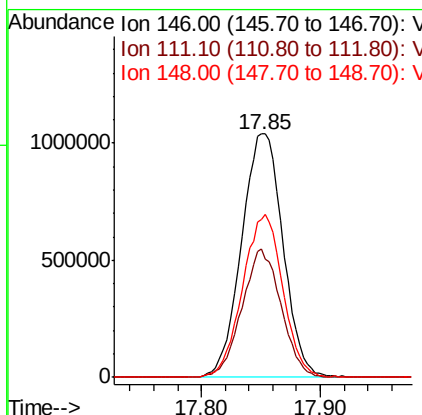
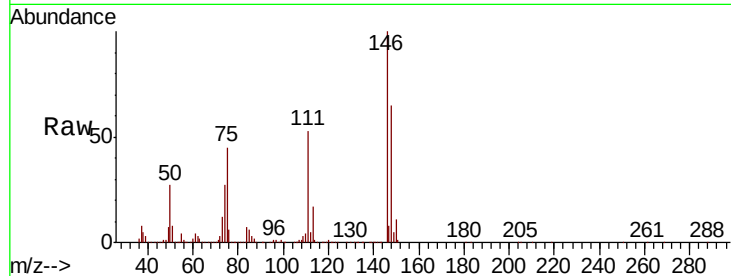
#77
 1,2-Dichlorobenzene
 Concen: 9.572 ppbv
 RT: 17.85 min Scan# 4685
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.9	24.9	74.7
148	65.2	31.9	95.9

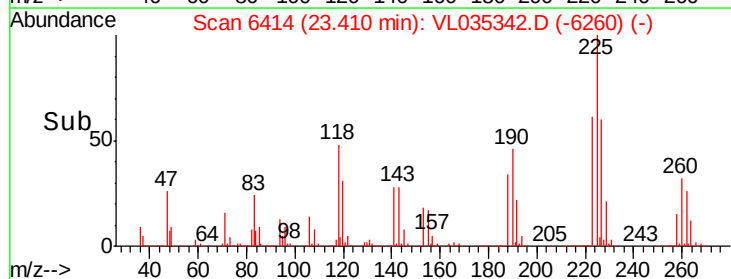
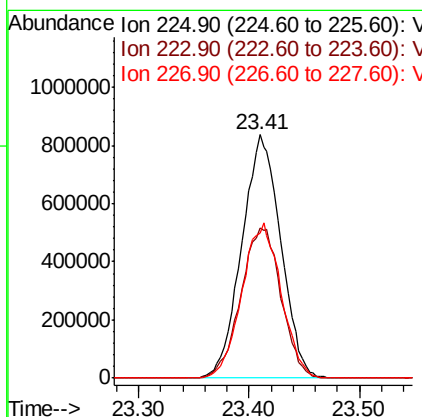
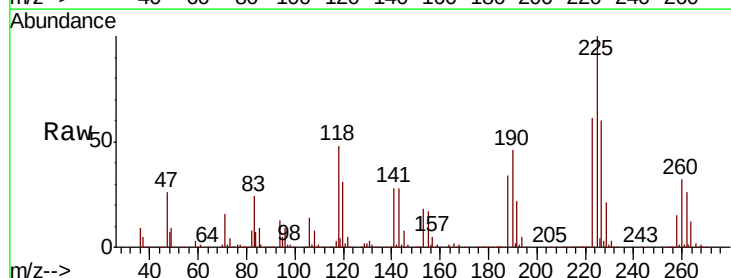
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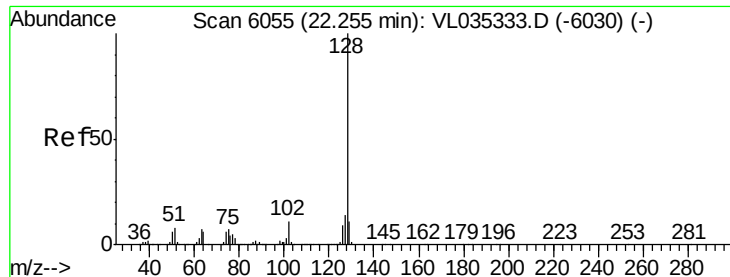
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.224 ppbv
 RT: 23.41 min Scan# 6414
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.3	75.5
227	64.2	52.7	79.1





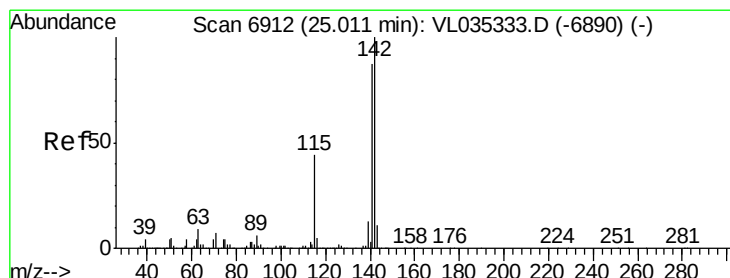
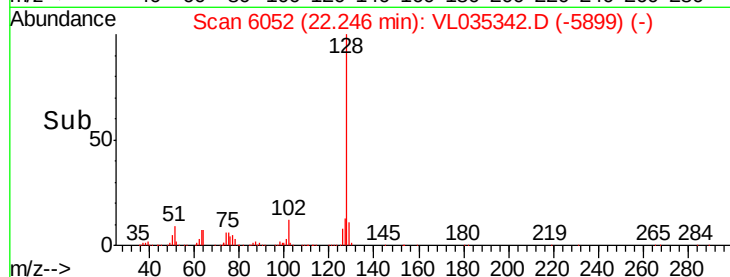
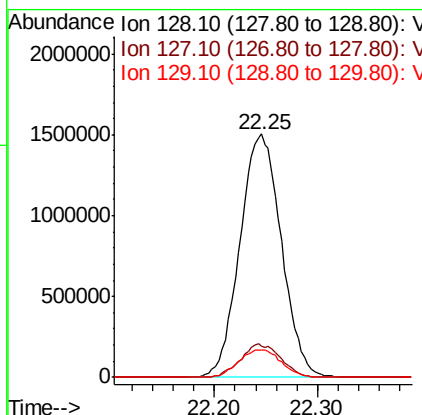
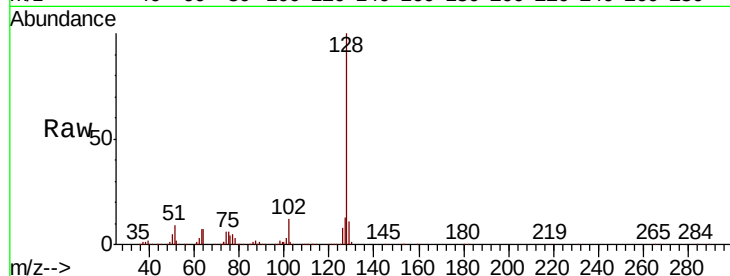
#79
Naphthalene
Concen: 12.604 ppbv
RT: 22.25 min Scan# 6052
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	11.1	16.7
129	11.3	8.7	13.1

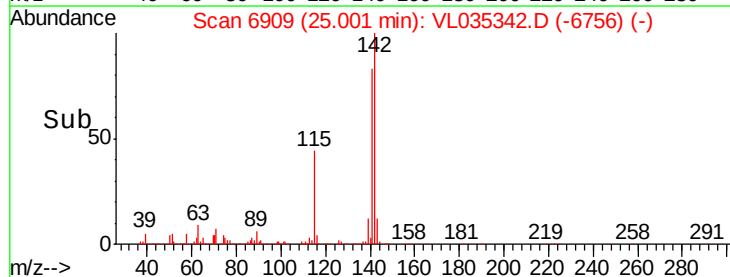
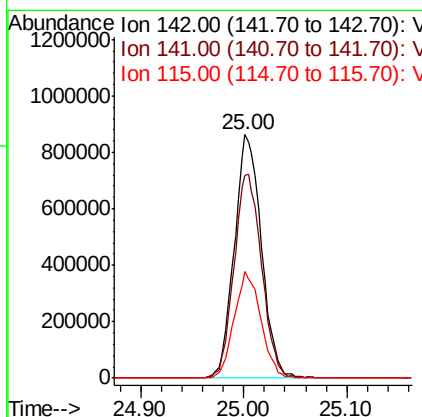
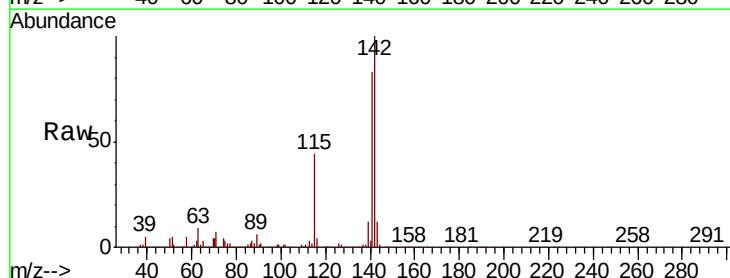
Manual Integrations
APPROVED

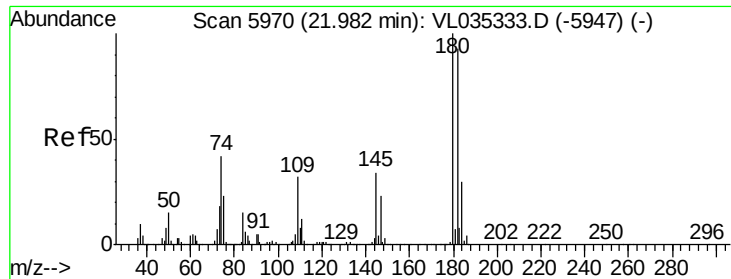
MMDadoda
8/7/2020 12:53:26 PM



#80
Naphthalene, 2-methyl-
Concen: 20.894 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.6	69.0	103.6
115	43.2	35.5	53.3





#81
 1,2,4-Trichlorobenzene
 Concen: 11.098 ppbv
 RT: 21.98 min Scan# 5968
 Delta R.T. -0.01 min
 Lab File: VL035342.D
 Acq: 6 Aug 2020 7:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.2	115.8
184	31.5	25.1	37.7

Manual Integrations
 APPROVED

MMDadoda
 8/7/2020 12:53:26 PM

