

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034943.D
 Acq On : 6 May 2020 14:42
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050620

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 2:30:15 PM

Quant Time: May 06 15:12:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1227614	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2839277	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2751617m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2174674	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1397357	8.020	ppbv	98
3) Chlorodifluoromethane	2.95	51	1228574	8.766	ppbv	98
4) Chloromethane	3.10	50	719391	8.956	ppbv	98
5) Vinyl Chloride	3.22	62	683718	8.726	ppbv	99
6) Bromomethane	3.44	94	392967	8.399	ppbv	93
7) Chloroethane	3.53	64	244412	8.685	ppbv	95
8) Dichlorotetrafluoroethane	3.15	85	1490296	8.265	ppbv	99
9) Propene	2.97	41	584861	9.616	ppbv	100
10) Heptane	8.14	43	1502837	9.863	ppbv	98
11) Trichlorofluoromethane	3.93	101	1451159	8.078	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1025812	8.019	ppbv	99
13) Ethanol	3.57	45	159300	7.938	ppbv	98
14) Bromoethene	3.71	108	471875	8.926	ppbv	97
15) Acetone	3.82	43	1212199	7.469	ppbv	100
16) 1,3-Butadiene	3.29	39	640578	9.172	ppbv	98
17) tert-Butyl alcohol	4.27	59	1252482	8.674	ppbv	99
18) 1,1-Dichloroethene	4.27	96	484683	8.733	ppbv	97
19) Isopropyl Alcohol	3.94	45	933536	8.625	ppbv	99
20) Methylene Chloride	4.32	84	425009	7.911	ppbv	94
21) Allyl Chloride	4.39	41	850438	9.277	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	472246	8.590	ppbv	97
23) Vinyl Acetate	5.06	43	2007122	9.753	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1386713	8.748	ppbv	99
25) Ethyl Acetate	5.67	43	2504688	9.188	ppbv	100
26) Hexane	5.68	57	1118275	9.462	ppbv	99
27) Carbon Disulfide	4.53	76	1225483	8.797	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1672342	9.291	ppbv	99
29) Chloroform	5.75	83	1661975	8.595	ppbv	95
30) Cyclohexane	7.14	84	922410	10.114	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1138132	9.870	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	1596899	9.144	ppbv	99
34) 2-Butanone	5.23	43	1682519	9.534	ppbv	100
35) Carbon Tetrachloride	7.03	117	1608973	8.978	ppbv	98
36) Benzene	6.90	78	2214970	9.462	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1274370	8.825	ppbv	99
38) Trichloroethene	7.85	130	820932	9.052	ppbv	98
39) 1,2-Dichloropropane	7.63	63	867839	9.248	ppbv	97
40) 1,4-Dioxane	7.85	88	363049m	9.518	ppbv	
41) Tetrahydrofuran	6.05	42	959551	10.328	ppbv	100
42) Bromodichloromethane	7.81	83	1763940	9.058	ppbv	97
43) Methyl Methacrylate	8.03	69	1010969	10.228	ppbv	100

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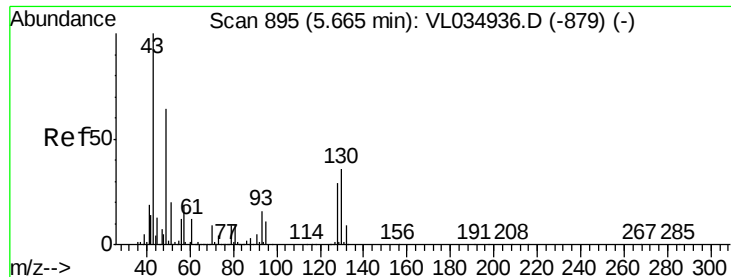
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3796819	9.123	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1109608	11.124	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1315105	10.738	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	888900	8.976	ppbv	97
48) Dibromochloromethane	10.34	129	1423487	9.348	ppbv	100
49) Bromoform	13.09	173	1200575	9.163	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2430749	9.660	ppbv	99
51) 2-Hexanone	10.16	43	1994100	10.132	ppbv	99
52) Tetrachloroethene	11.26	164	754005	9.059	ppbv	98
53) Toluene	9.83	91	2529146	10.192	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1308416	8.998	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1066242	8.593	ppbv	99
57) Chlorobenzene	12.19	112	1828050	8.386	ppbv	98
58) Ethyl Benzene	12.75	91	3269129	9.608	ppbv	99
59) m/p-Xylene	13.04	91	5473138m	18.282	ppbv	
60) o-Xylene	13.73	91	2622629	8.878	ppbv	100
61) Styrene	13.57	104	1916877	10.253	ppbv	99
62) Isopropylbenzene	14.71	105	3889824	8.819	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	1839442	7.910	ppbv	100
64) n-propylbenzene	15.61	120	1015597	8.977	ppbv	99
65) tert-Butylbenzene	16.79	119	3338486	8.727	ppbv	100
66) Benzyl Chloride	17.04	91	1289067	9.926	ppbv	99
67) sec-Butylbenzene	17.35	105	4796774	8.784	ppbv	99
69) p-Isopropyltoluene	17.70	119	4013763	9.086	ppbv	100
70) n-Butylbenzene	18.60	91	4317701	9.183	ppbv	100
71) 2-Chlorotoluene	15.50	91	3029859	9.100	ppbv	99
72) 4-Ethyltoluene	15.88	105	3098153	9.400	ppbv	100
73) 1,3,5-Trimethylbenzene	16.05	105	2908159	9.067	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	3005364	8.584	ppbv	94
75) 1,3-Dichlorobenzene	17.05	146	1760904	8.566	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1763239	9.027	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1742298	8.995	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1584998	9.600	ppbv	99
79) Naphthalene	22.27	128	3438923	12.614	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	1036245	15.463	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1806663	10.928	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

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ClientSampleId :

ICVVL050620

Tot Ion: 49 Resp: 1227614

Ion Ratio Lower Upper

49 100

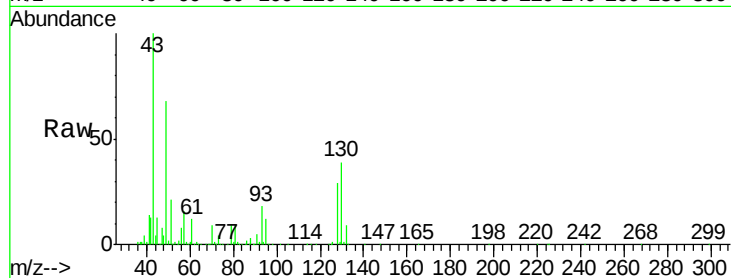
128 43.6 22.1 66.5

130 56.3 29.1 87.3

Manual Integrations
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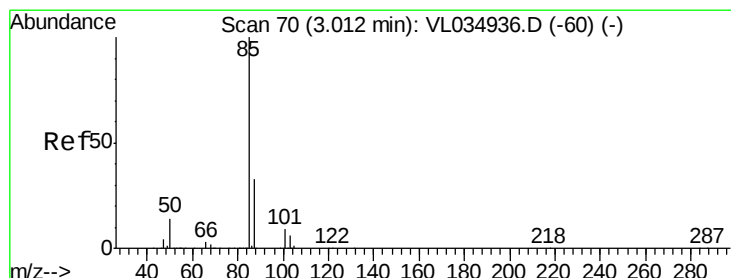
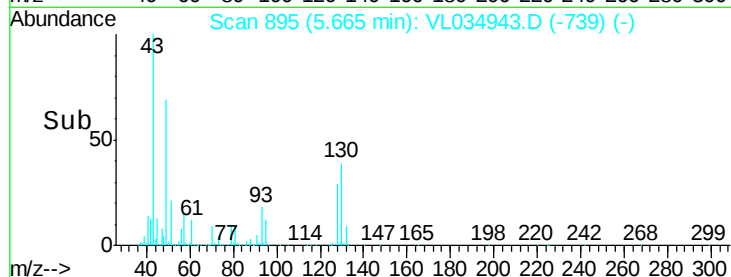
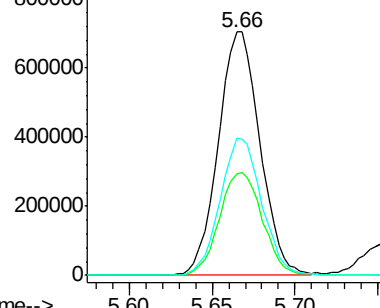
5/7/2020 2:30:15 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.020 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL034943.D

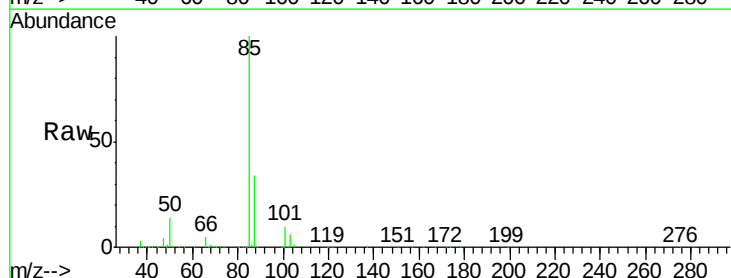
Acq: 6 May 2020 14:42

Tgt Ion: 85 Resp: 1397357

Ion Ratio Lower Upper

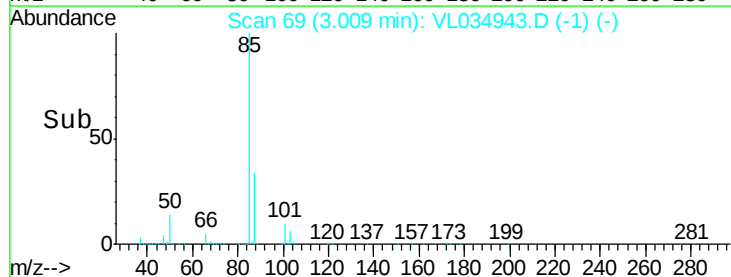
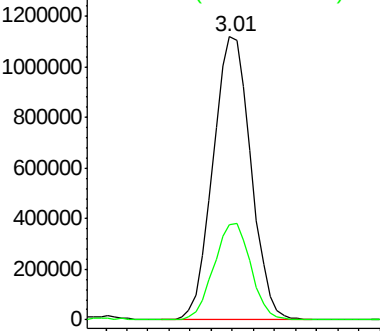
85 100

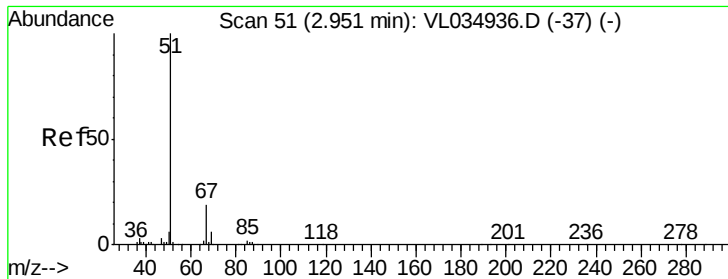
87 33.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

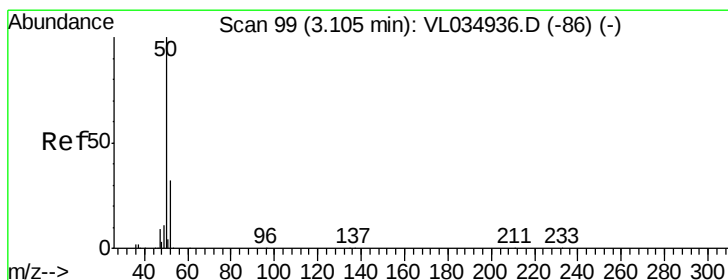
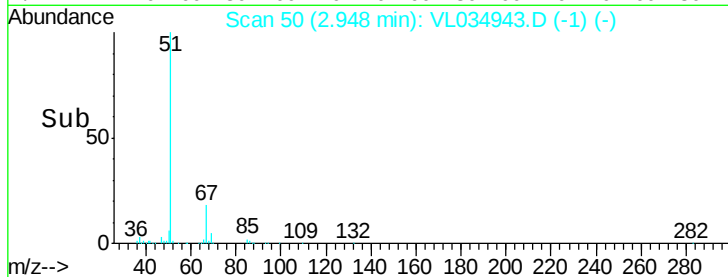
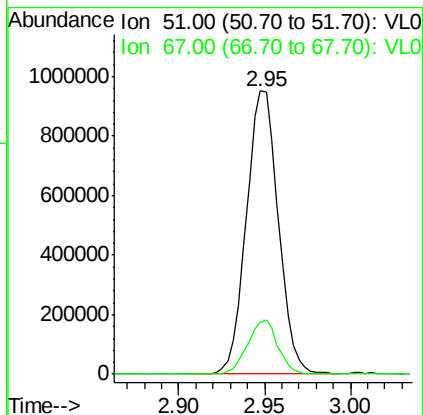
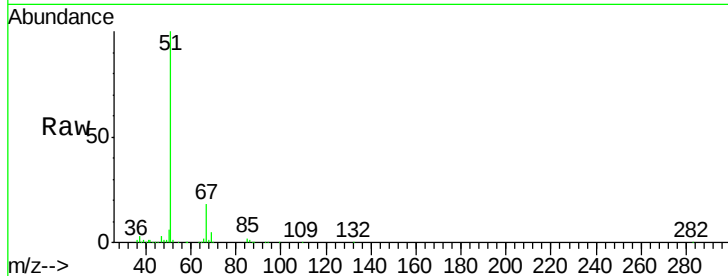
Chlorodifluoromethane
 Concen: 8.766 ppbv
 RT: 2.95 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Instrument :
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 ClientSampleId :
 ICVVL050620

Tot Ion: 51 Resp: 1228574
 Ion Ratio Lower Upper
 51 100
 67 18.0 15.0 22.6

Manual Integrations
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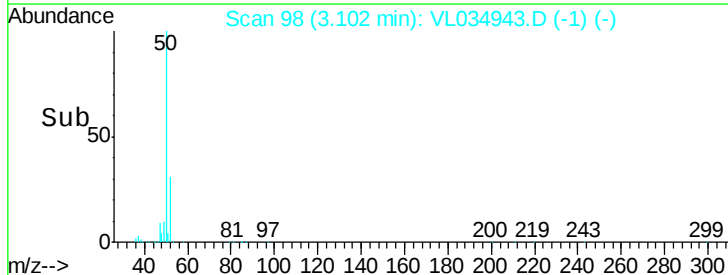
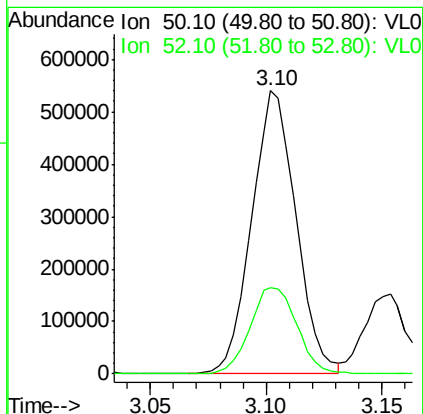
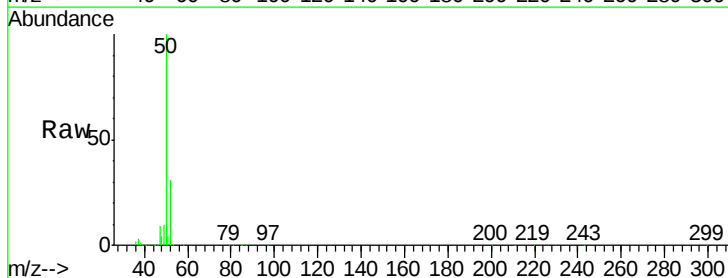
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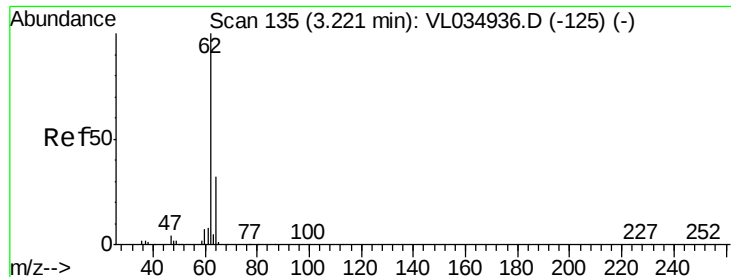


#4

Chloromethane
 Concen: 8.956 ppbv
 RT: 3.10 min Scan# 98
 Delta R.T. -0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Tgt Ion: 50 Resp: 719391
 Ion Ratio Lower Upper
 50 100
 52 30.5 25.4 38.2





#5

Vinyl Chloride

Concen: 8.726 ppbv

RT: 3.22 min Scan# 135

Delta R.T. -0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050620

Tot Ion: 62 Resp: 683718

Ion Ratio Lower Upper

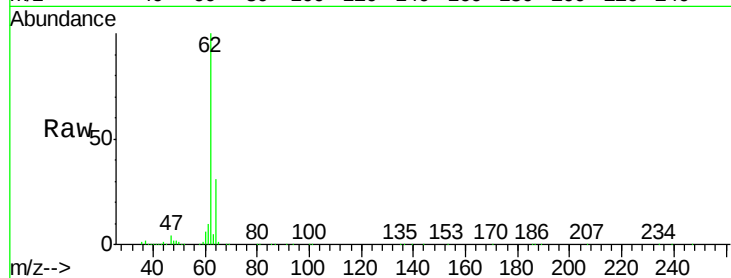
62 100

64 31.4 25.7 38.5

Manual Integrations
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

500000

400000

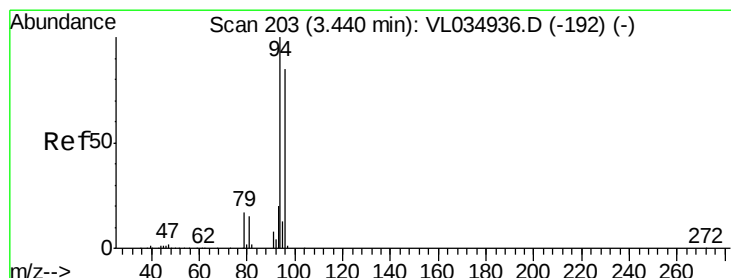
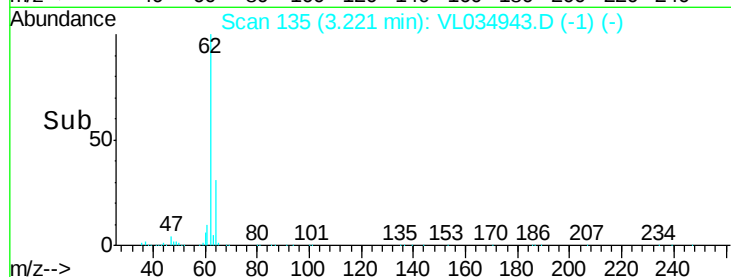
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 8.399 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.00 min

Lab File: VL034943.D

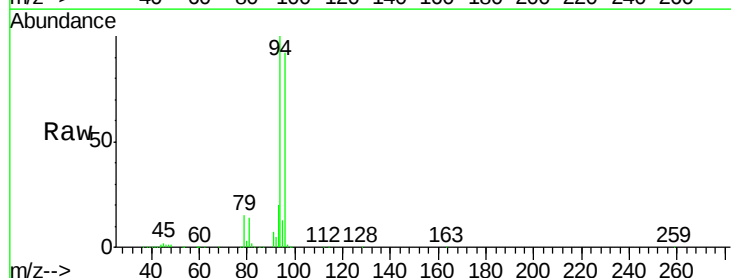
Acq: 6 May 2020 14:42

Tgt Ion: 94 Resp: 392967

Ion Ratio Lower Upper

94 100

96 91.6 67.9 101.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

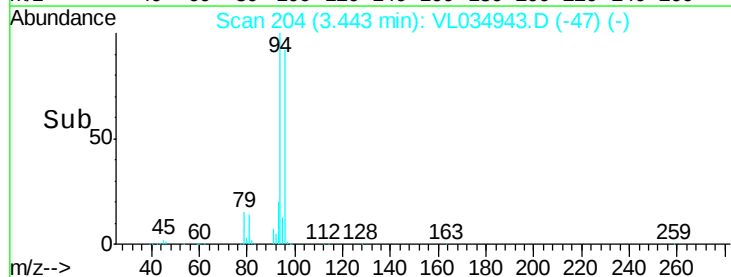
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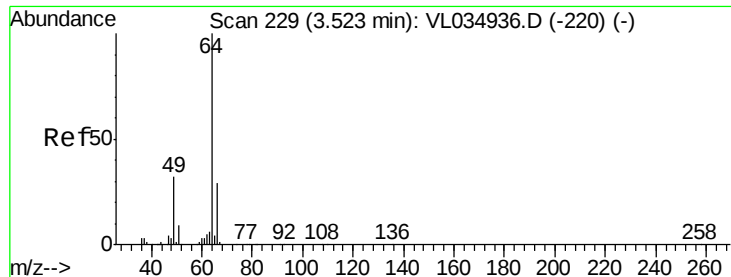
200000

100000

0

Time-->





#7

Chloroethane

Concen: 8.685 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050620

Tot Ion: 64 Resp: 244412

Ion Ratio Lower Upper

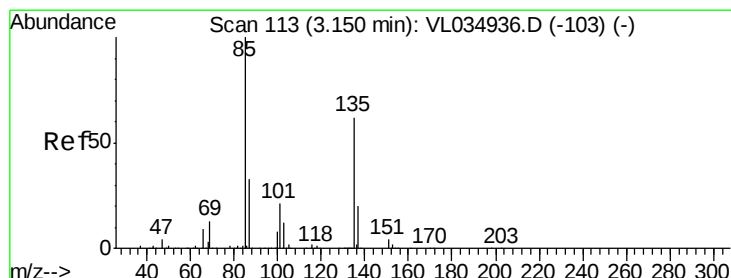
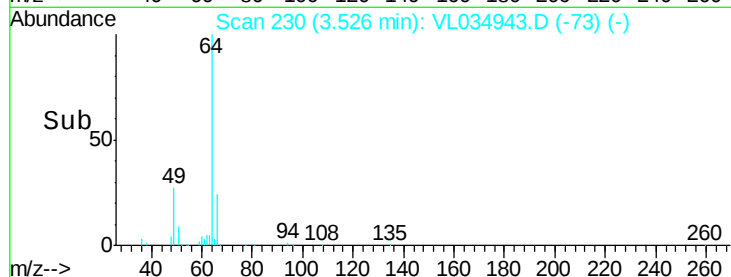
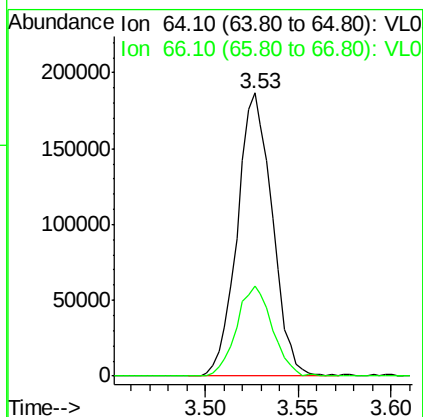
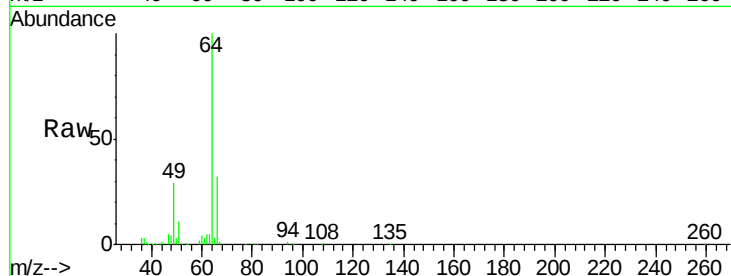
64 100

66 31.9 23.2 34.8

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#8

Dichlorotetrafluoroethane

Concen: 8.265 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL034943.D

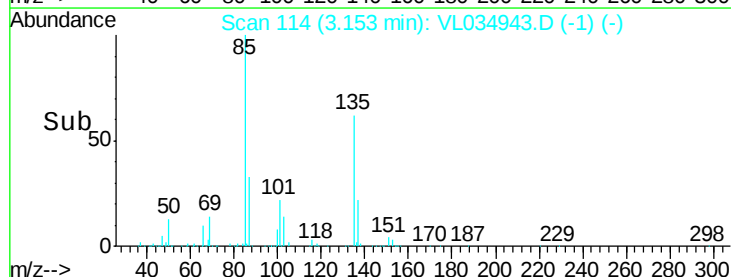
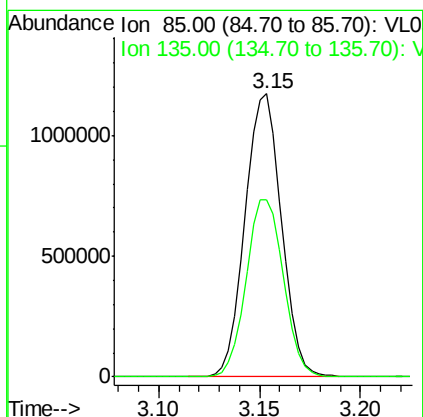
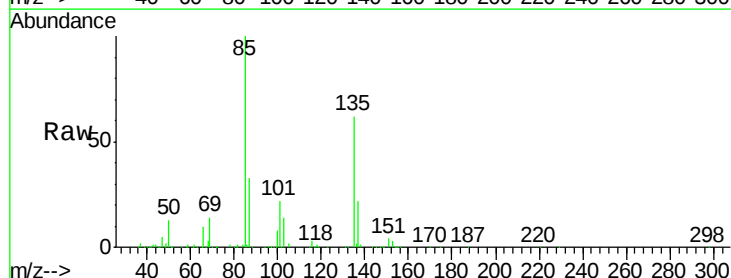
Acq: 6 May 2020 14:42

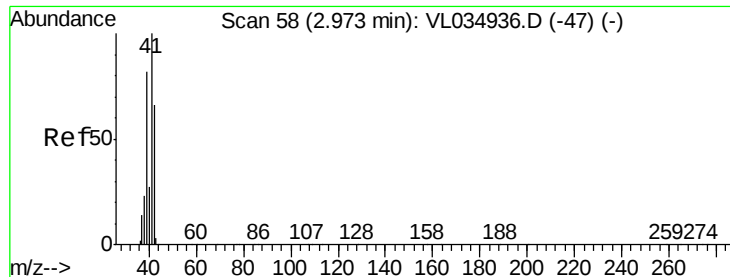
Tgt Ion: 85 Resp: 1490296

Ion Ratio Lower Upper

85 100

135 64.2 50.9 76.3





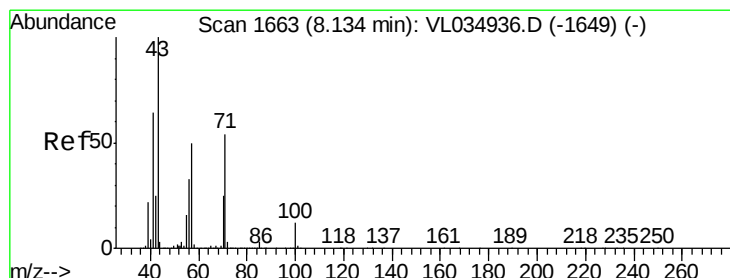
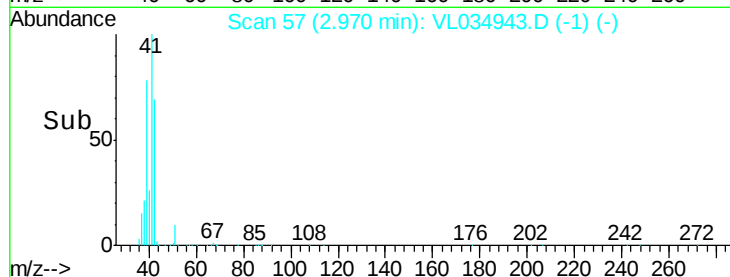
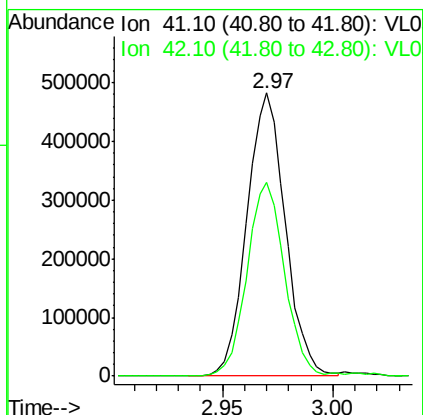
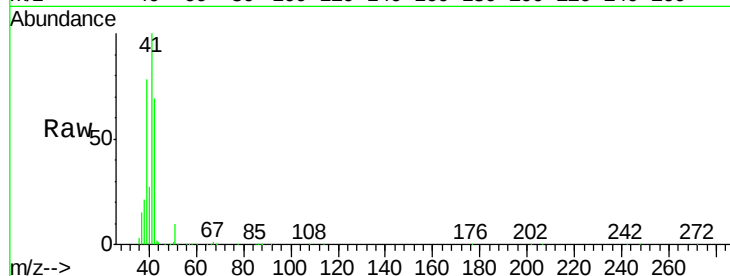
#9
 Propene
 Concen: 9.616 ppbv
 RT: 2.97 min Scan# 57
 Delta R.T. -0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050620

Tot Ion	Ratio	Lower	Upper
41	100		
42	68.1	54.5	81.7

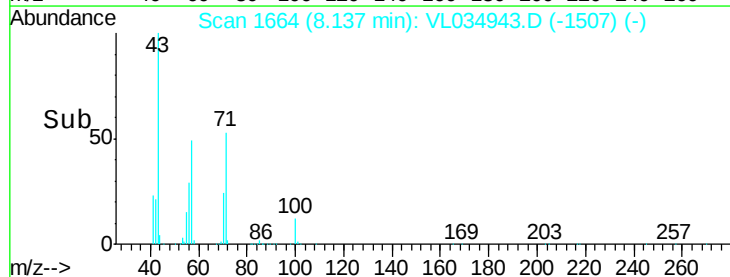
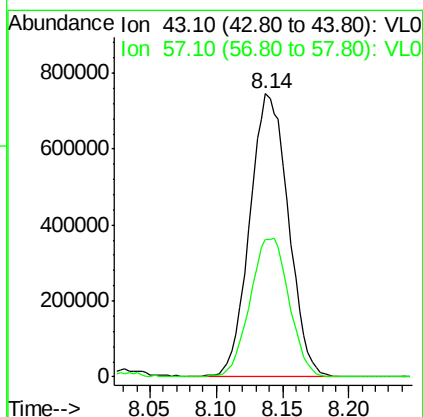
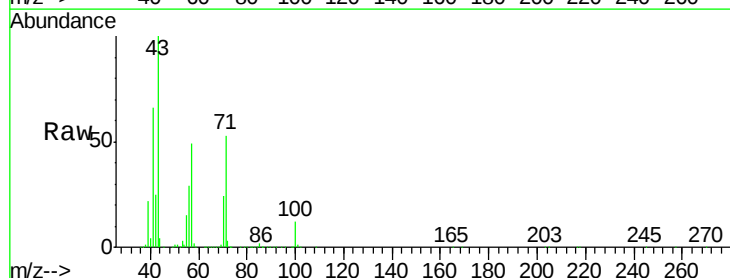
Manual Integrations
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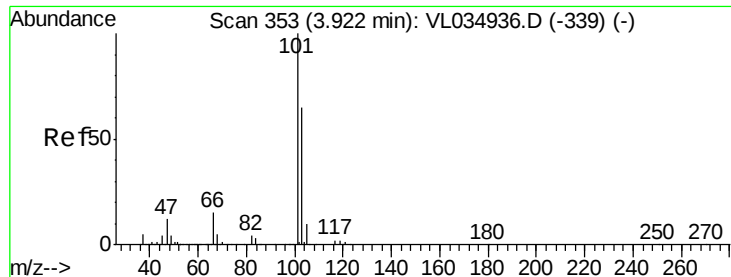
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#10
 Heptane
 Concen: 9.863 ppbv
 RT: 8.14 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
57	50.1	41.1	61.7





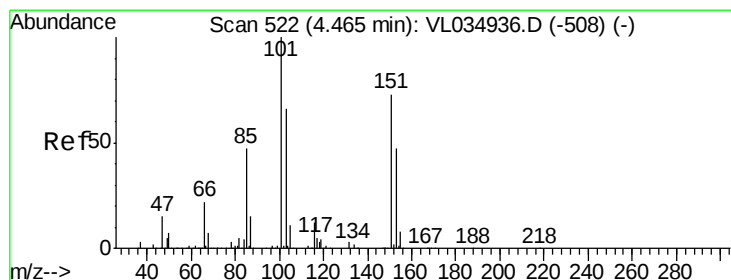
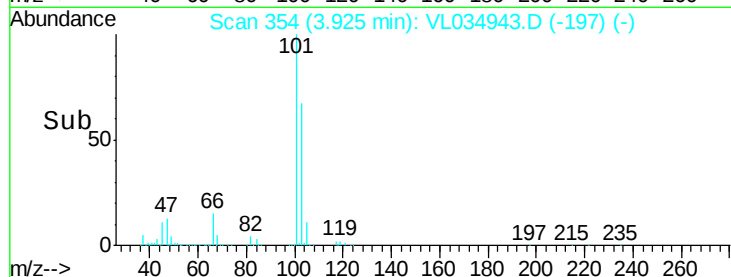
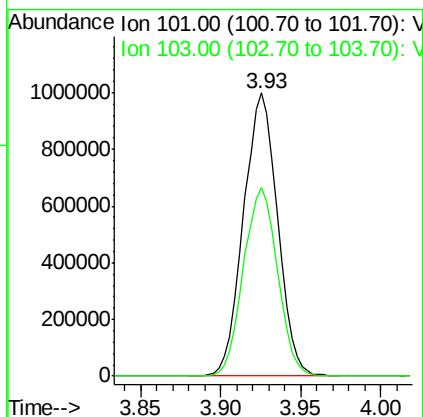
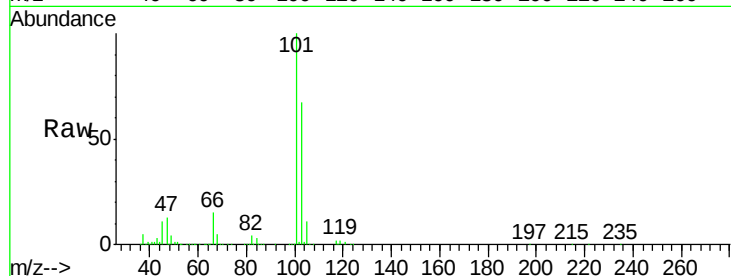
#11
 Trichlorofluoromethane
 Concen: 8.078 ppbv
 RT: 3.93 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050620

Tot Ion:101 Resp: 1451159
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.9 77.9

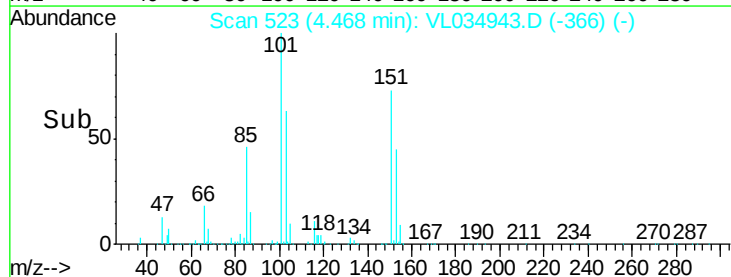
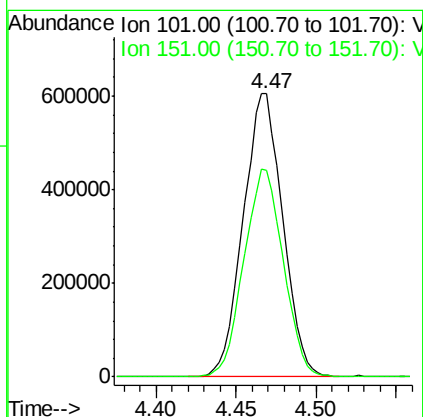
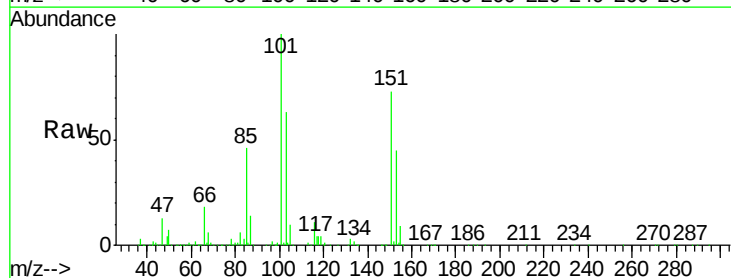
Manual Integrations
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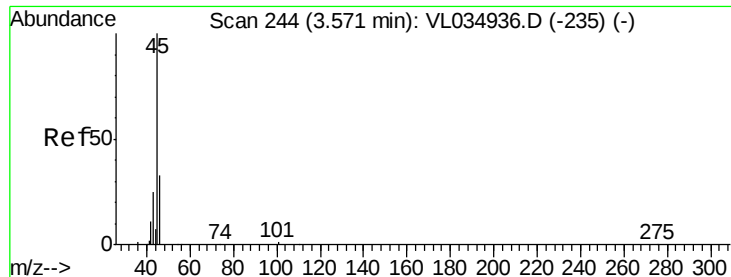
MMDadoda
 5/7/2020 2:30:15 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.019 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Tgt Ion:101 Resp: 1025812
 Ion Ratio Lower Upper
 101 100
 151 73.2 57.6 86.4





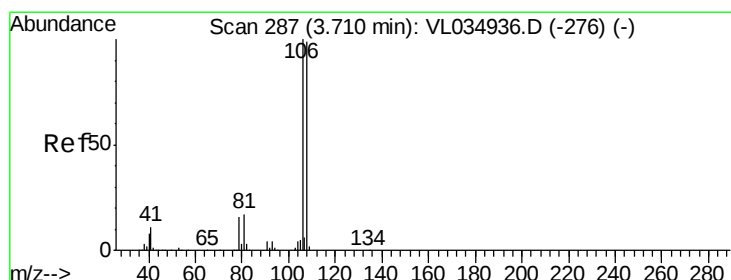
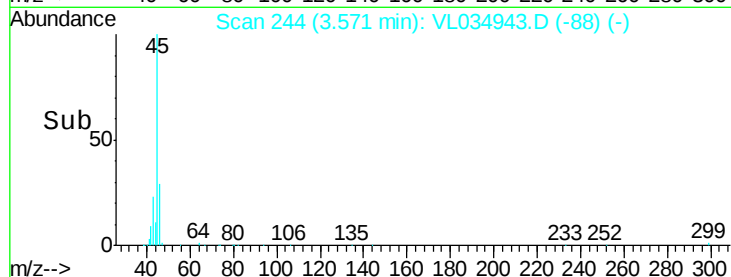
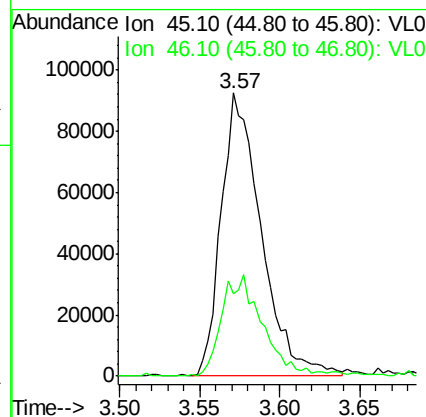
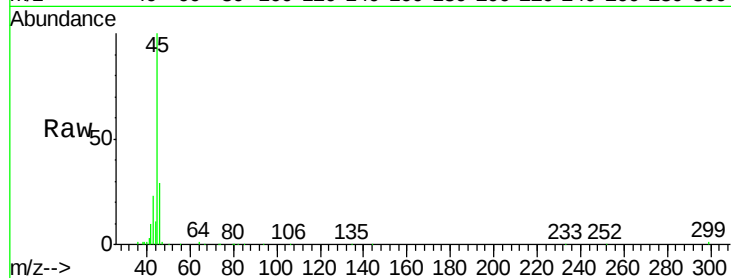
#13
Ethanol
Concen: 7.938 ppbv
RT: 3.57 min Scan# 244
Delta R.T. -0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050620

Tot Ion	45	Resp	159300
Ion Ratio	100	Lower	Upper
45	100		
46	37.2	14.3	57.3

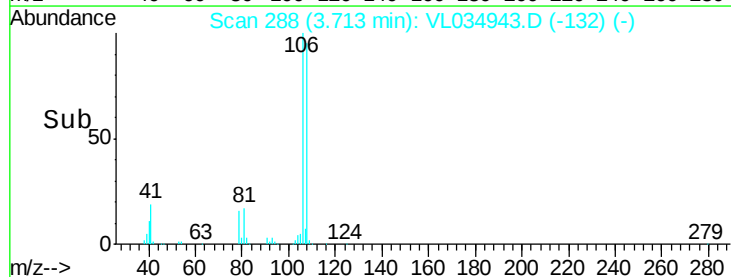
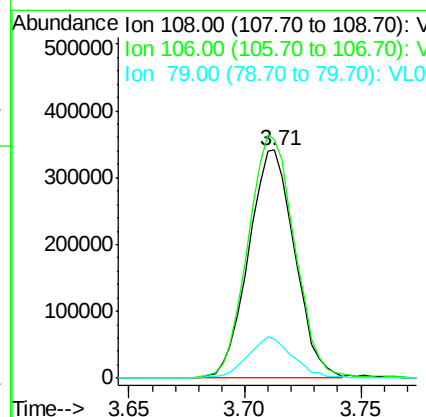
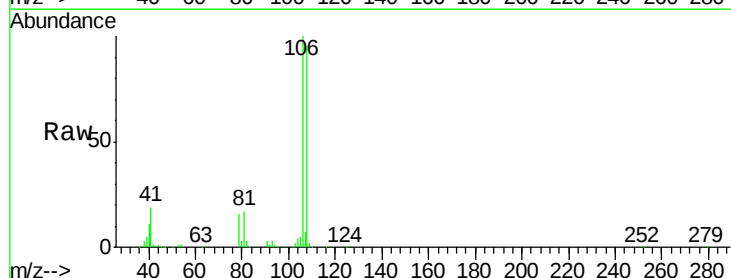
Manual Integrations
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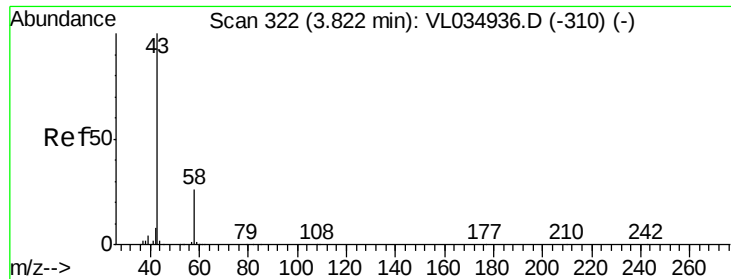
MMDadoda
5/7/2020 2:30:15 PM



#14
Bromoethene
Concen: 8.926 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Tgt Ion	108	Resp	471875
Ion Ratio	100	Lower	Upper
108	100		
106	109.2	84.9	127.3
79	17.8	14.1	21.1





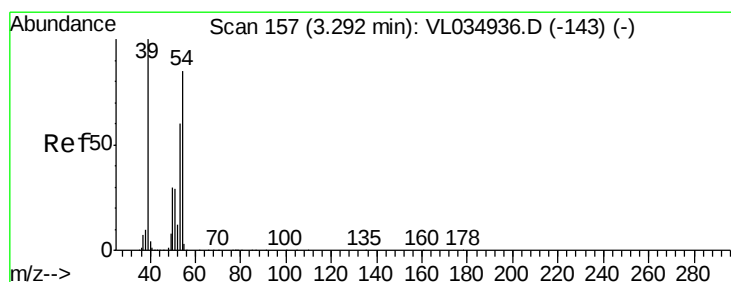
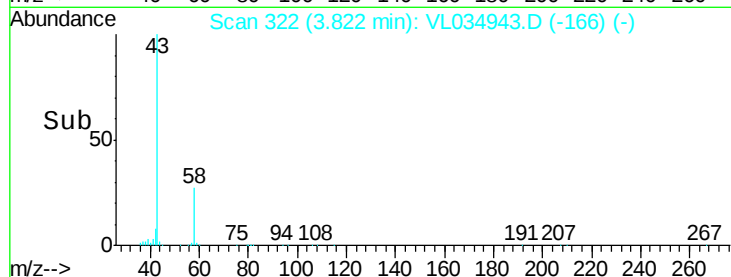
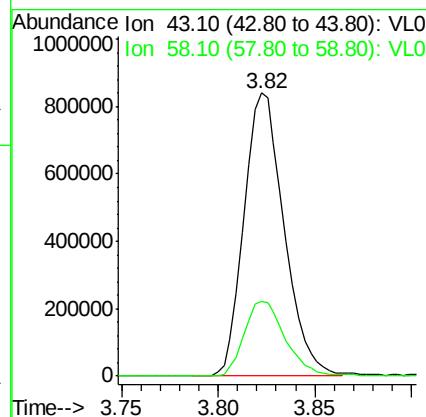
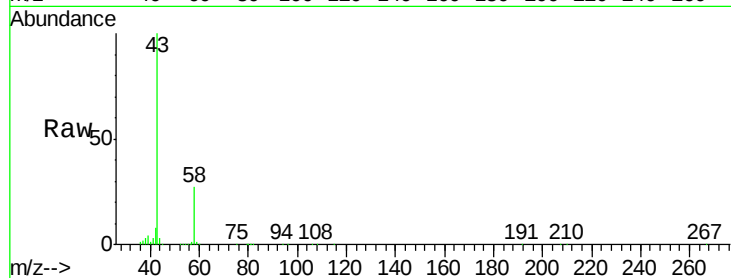
#15
Acetone
Concen: 7.469 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050620

Tot Ion: 43 Resp: 1212199
Ion Ratio Lower Upper
43 100
58 27.2 21.7 32.5

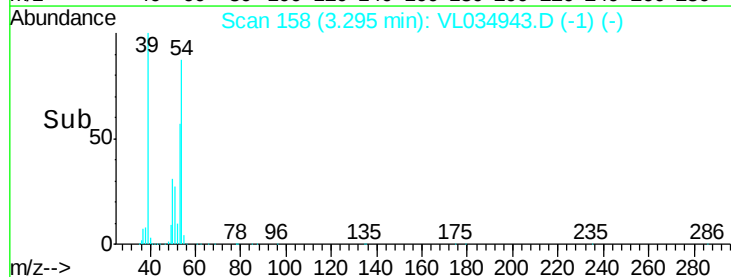
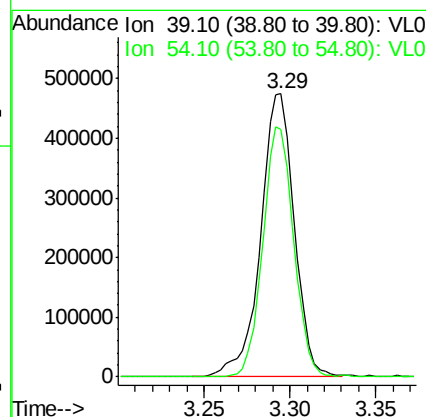
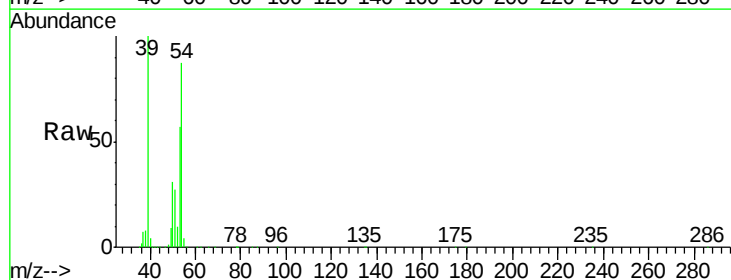
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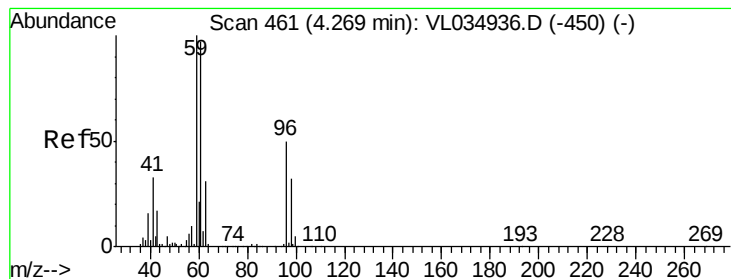
MMDadoda
5/7/2020 2:30:15 PM



#16
1,3-Butadiene
Concen: 9.172 ppbv
RT: 3.29 min Scan# 158
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Tgt Ion: 39 Resp: 640578
Ion Ratio Lower Upper
39 100
54 81.6 66.6 100.0





#17

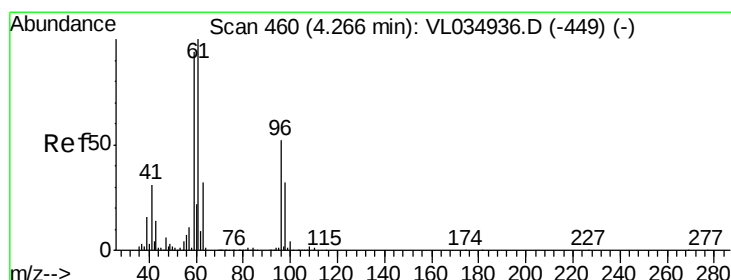
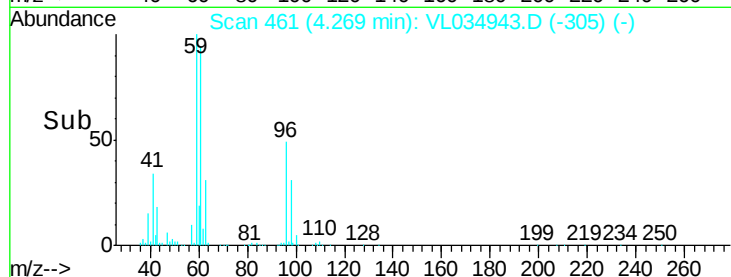
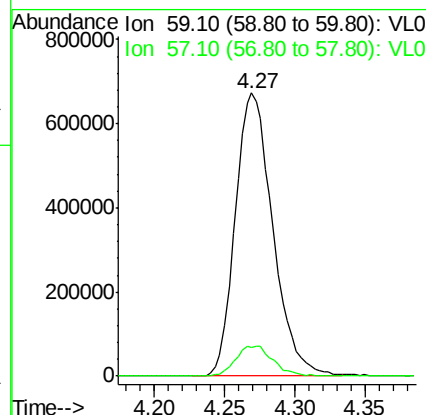
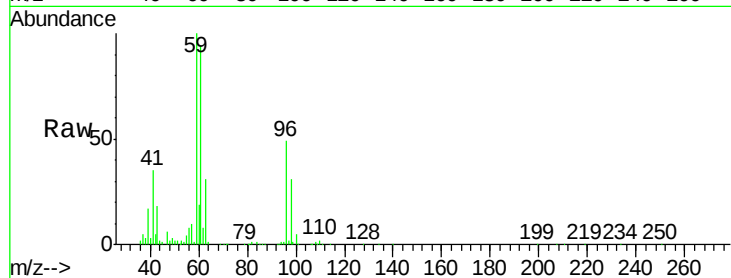
tert-Butyl alcohol
Concen: 8.674 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050620

Tot Ion: 59 Resp: 1252482
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1

Manual Integrations
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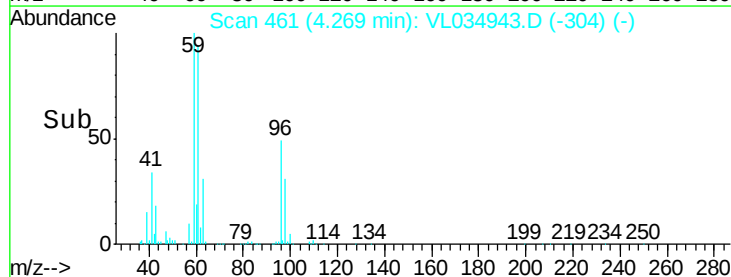
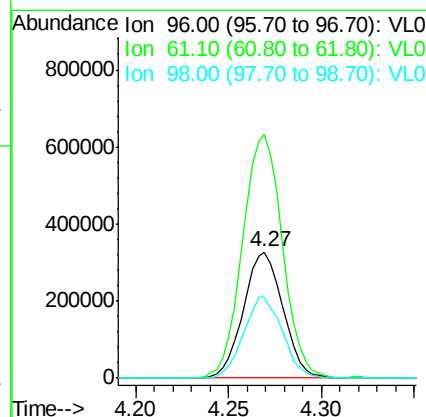
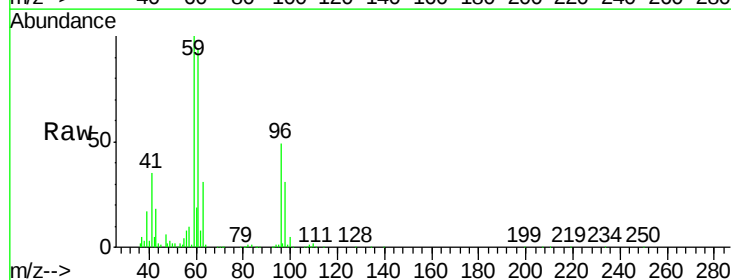
MMDadoda
5/7/2020 2:30:15 PM

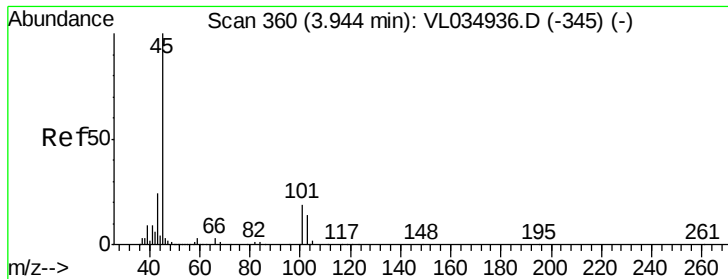


#18

1,1-Dichloroethene
Concen: 8.733 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Tgt Ion: 96 Resp: 484683
Ion Ratio Lower Upper
96 100
61 193.3 152.4 228.6
98 64.8 48.8 73.2





#19

Isopropyl Alcohol

Concen: 8.625 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

Tot Ion	45	58	Ratio	100	1.9	Resp	933536	Lower	1.7	Upper	2.5
Ion	45	58	Ratio	100	1.9	Resp	933536	Lower	1.7	Upper	2.5

Instrument :

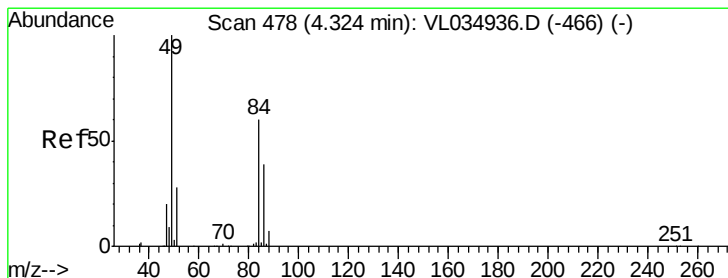
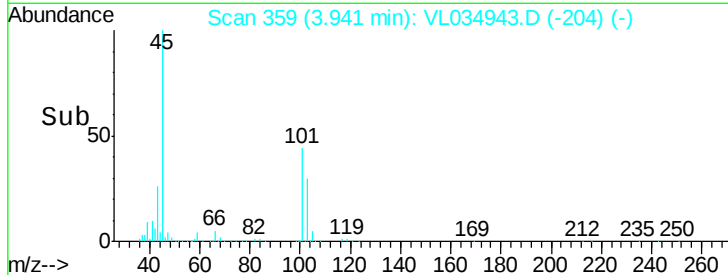
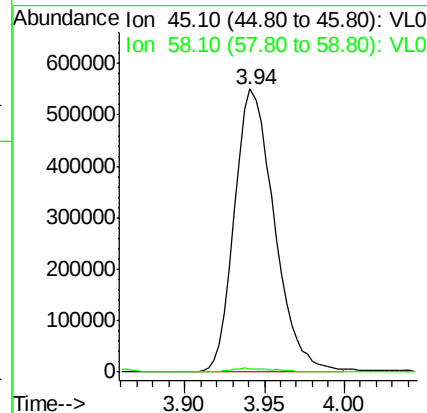
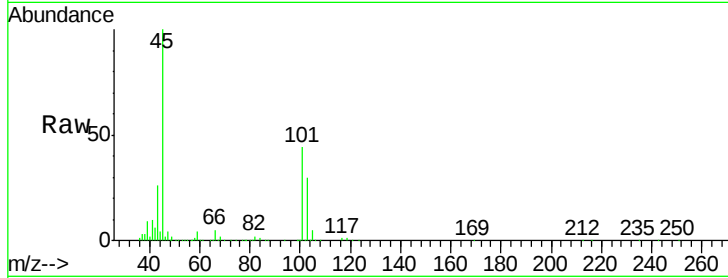
MSVOA_L

ClientSampleId :

ICVVL050620

Manual Integrations
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#20

Methylene Chloride

Concen: 7.911 ppbv

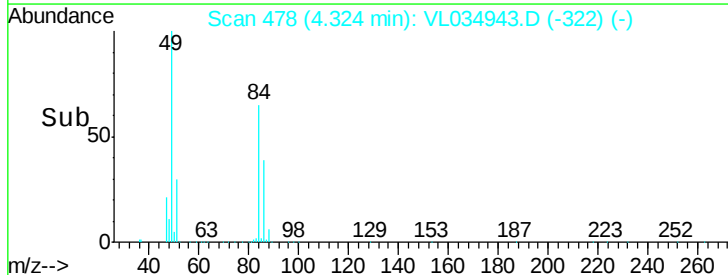
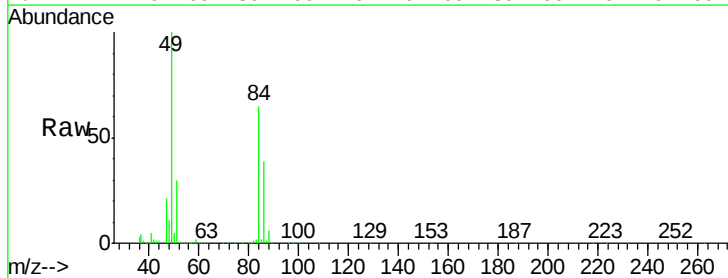
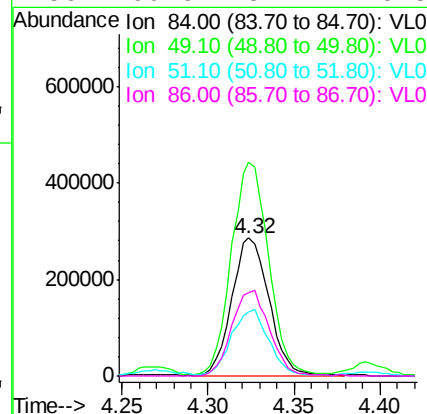
RT: 4.32 min Scan# 478

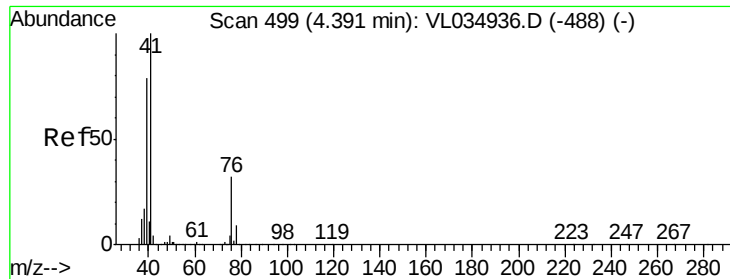
Delta R.T. -0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

Tgt Ion	84	49	51	86	Ratio	100	154.3	46.2	60.6	Resp	425009	Lower	132.5	38.4	51.2	Upper	198.7	57.6	76.8
Ion	84	49	51	86	Ratio	100	154.3	46.2	60.6	Resp	425009	Lower	132.5	38.4	51.2	Upper	198.7	57.6	76.8





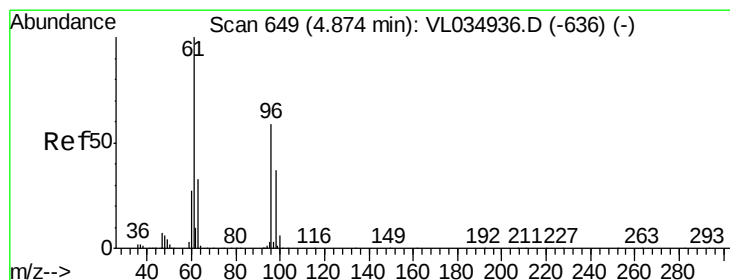
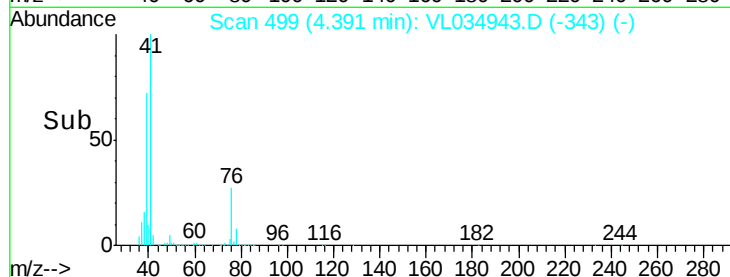
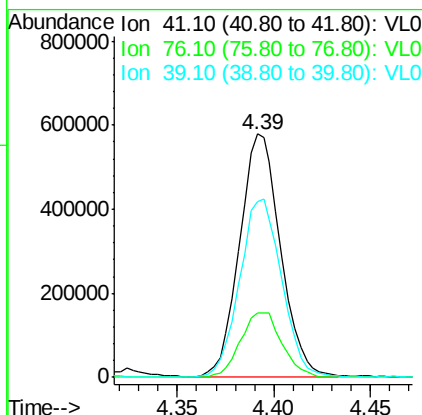
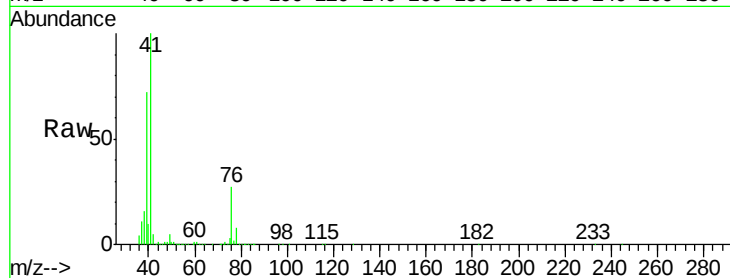
#21
Allvl Chloride
Concen: 9.277 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050620

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.3	23.6	35.4
39	75.5	61.9	92.9

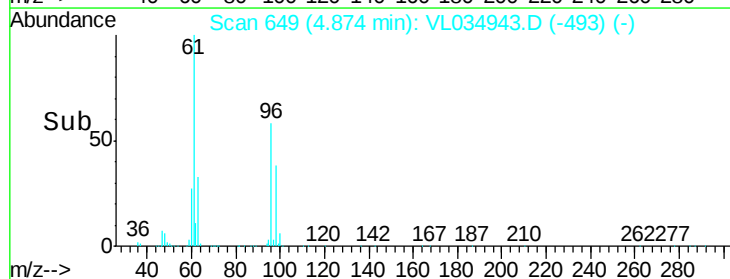
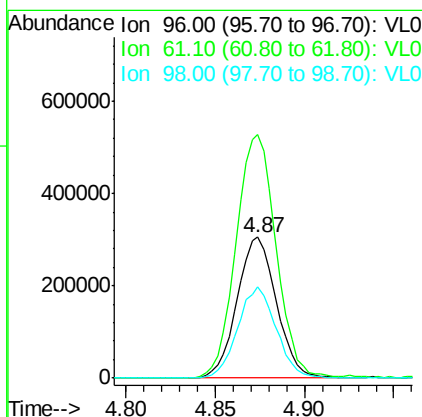
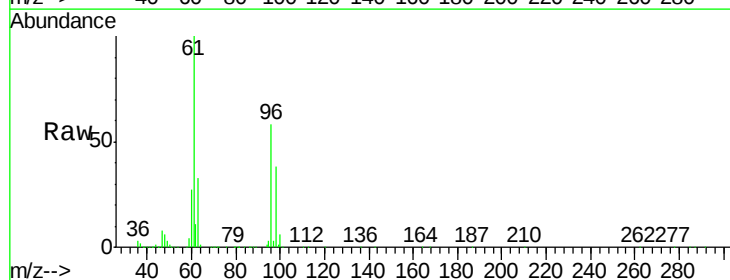
Manual Integrations
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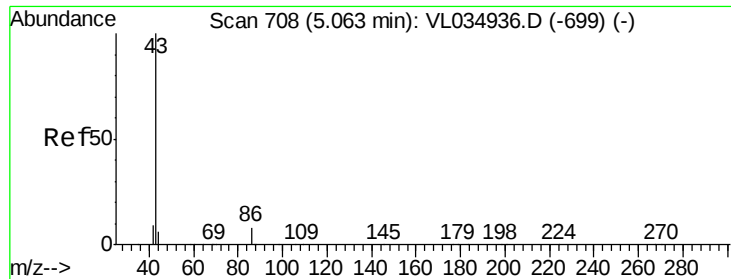
MMDadoda
5/7/2020 2:30:15 PM



#22
trans-1,2-Dichloroethene
Concen: 8.590 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.6	135.3	202.9
98	65.1	50.4	75.6





#23

Vinyl Acetate

Concen: 9.753 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

Tot Ion: 43 Resp: 2007122

Ion Ratio Lower Upper

43 100

86 8.0 5.5 8.3

42 9.7 8.0 12.0

44 5.2 4.5 6.7

Instrument :

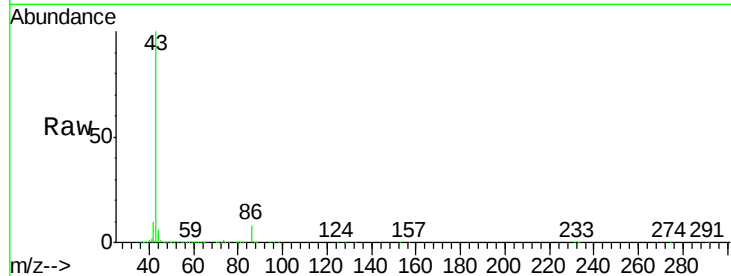
MSVOA_L

ClientSampleId :

ICVVL050620

Manual Integrations
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MMDadoda
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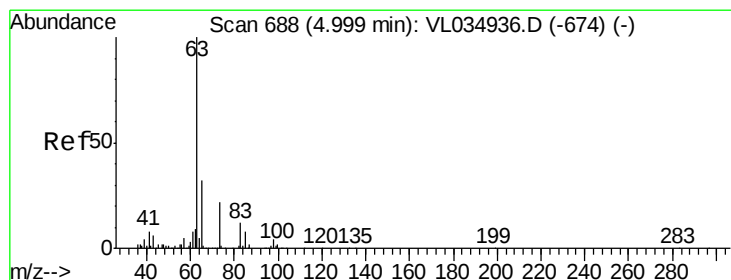
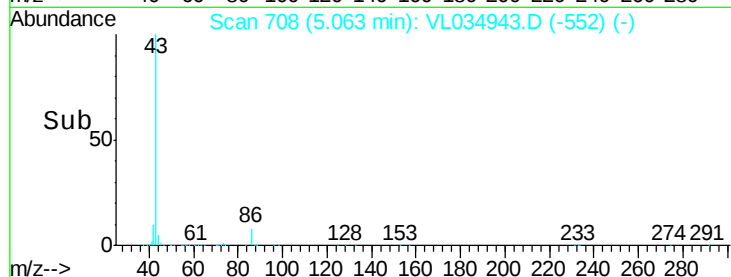
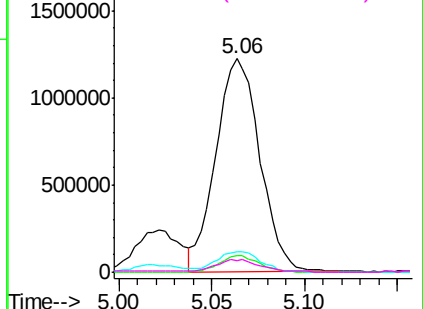


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.748 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

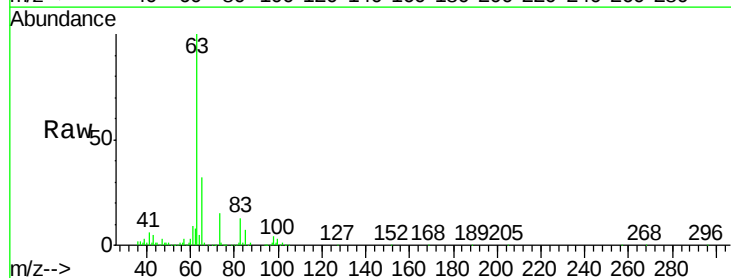
Tgt Ion: 63 Resp: 1386713

Ion Ratio Lower Upper

63 100

98 3.6 2.0 6.0

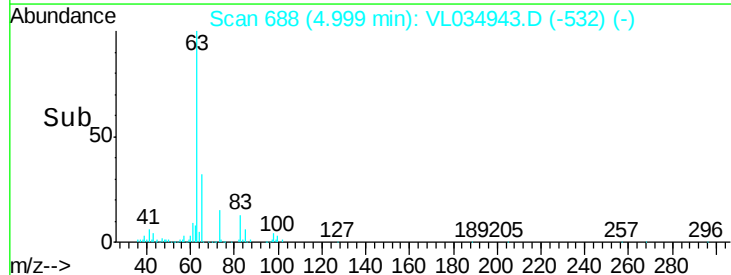
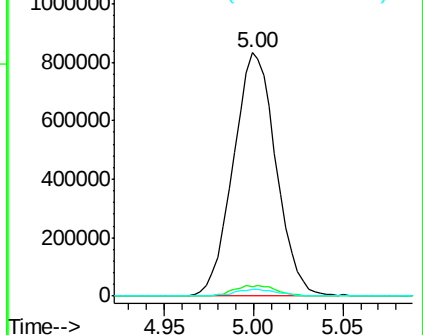
100 2.5 1.1 3.5

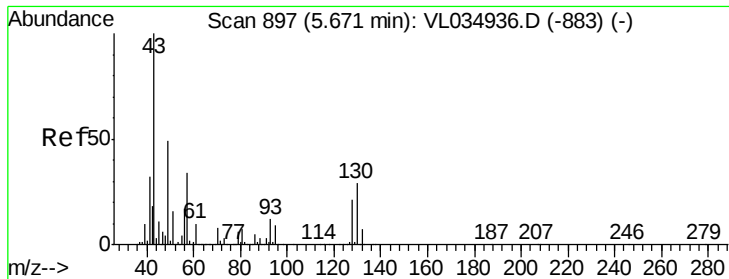


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.188 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

Tot Ion: 43 Resp: 2504688

Ion Ratio Lower Upper

43 100

45 10.3 8.1 12.1

61 9.9 7.8 11.8

70 7.3 6.0 9.0

Instrument :

MSVOA_L

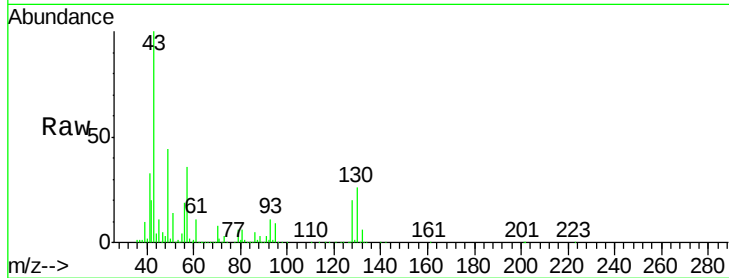
ClientSampleId :

ICVVL050620

Manual Integrations
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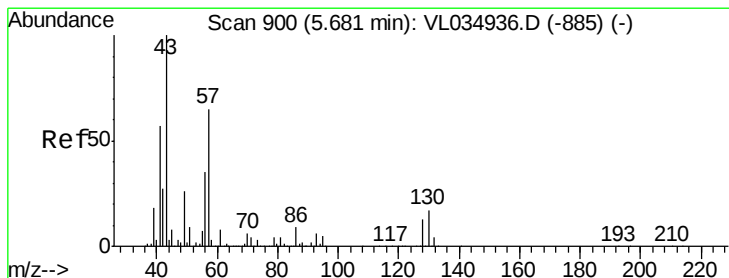
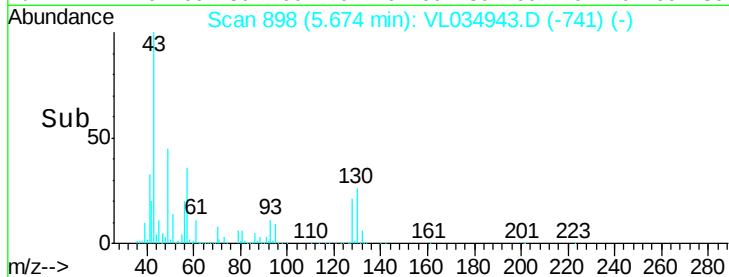
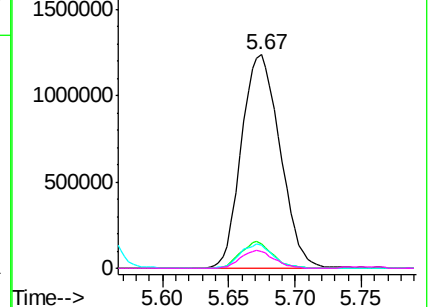


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.462 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

Tgt Ion: 57 Resp: 1118275

Ion Ratio Lower Upper

57 100

41 89.5 72.7 109.1

43 225.5 182.1 273.1

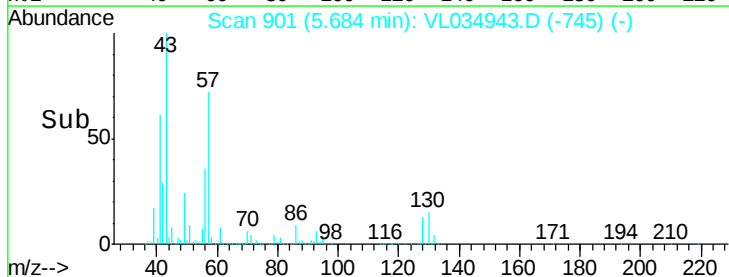
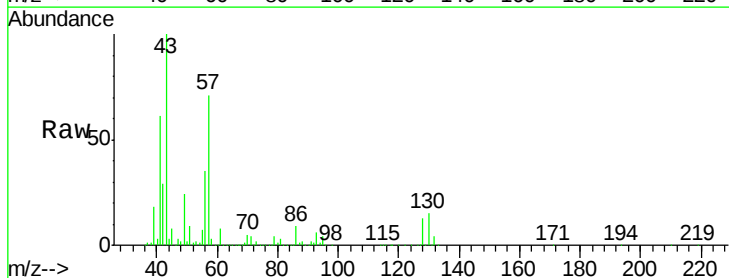
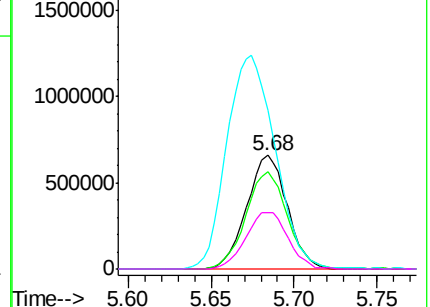
56 52.4 42.2 63.2

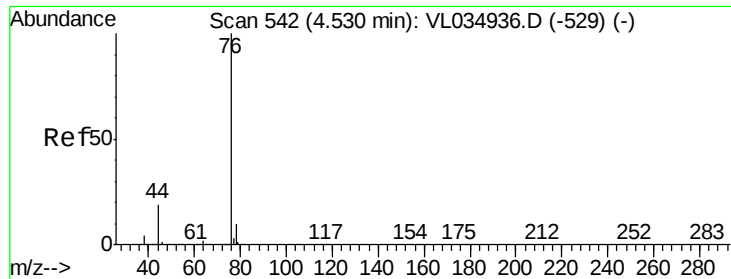
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





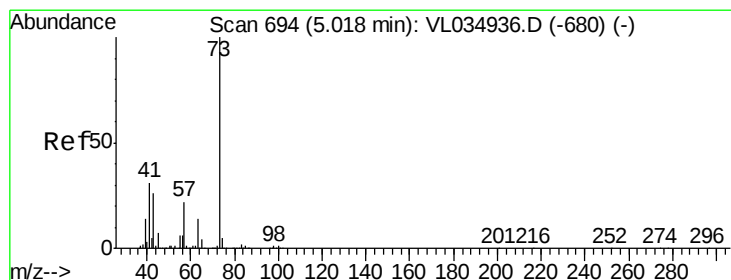
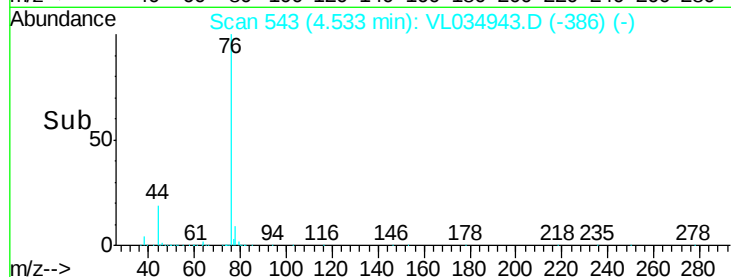
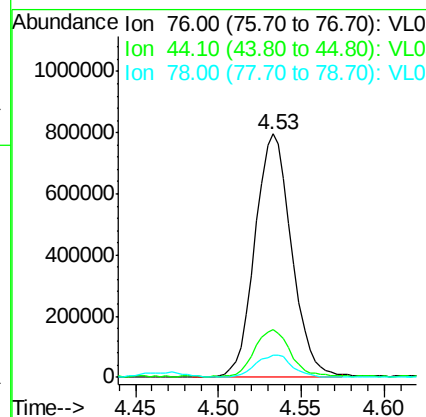
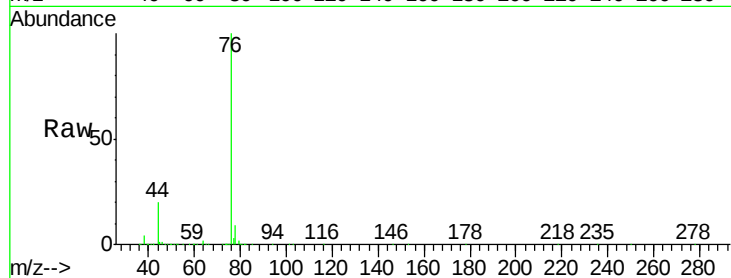
#27
Carbon Disulfide
Concen: 8.797 ppbv
RT: 4.53 min Scan# 543
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050620

Tot Ion	Ratio	Lower	Upper
76	100		
44	19.1	15.2	22.8
78	9.4	7.7	11.5

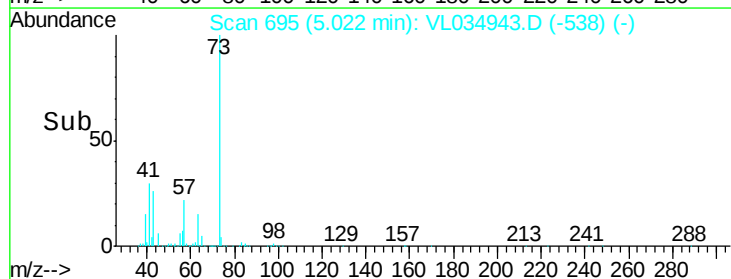
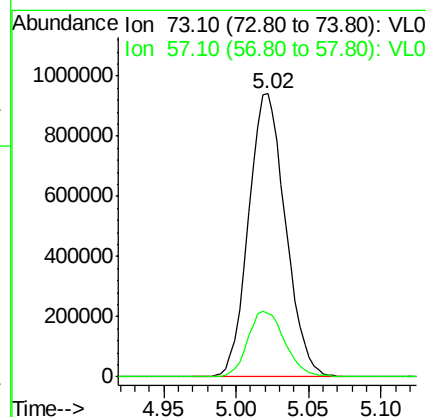
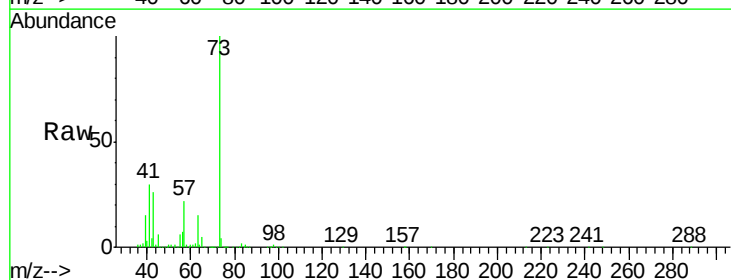
Manual Integrations
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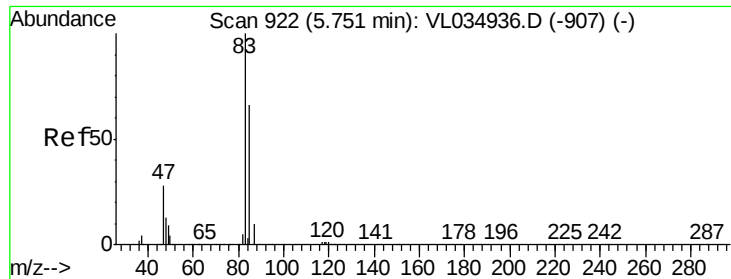
MMDadoda
5/7/2020 2:30:15 PM



#28
Methyl tert-Butyl Ether
Concen: 9.291 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.3	27.5





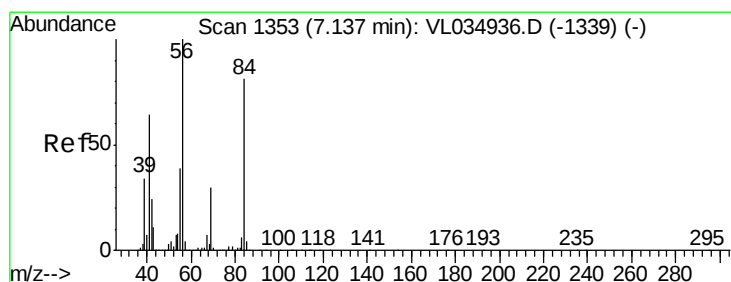
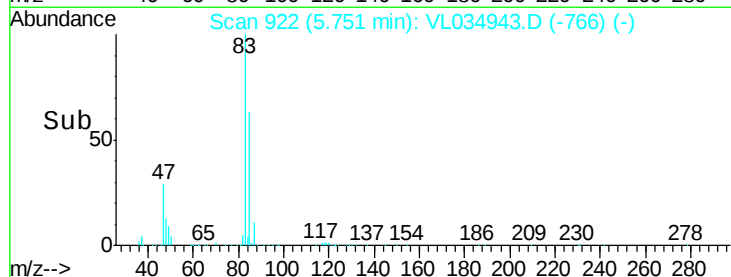
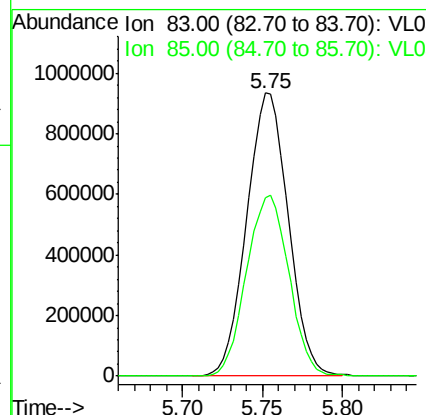
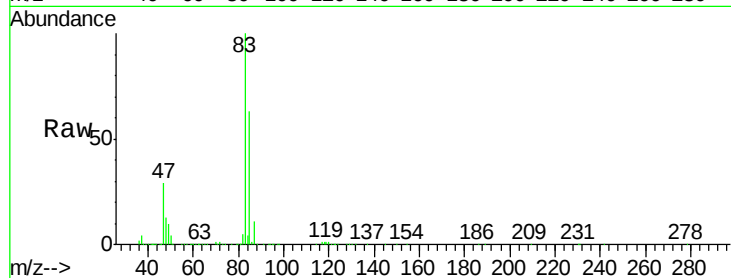
#29
Chloroform
Concen: 8.595 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050620

Tot Ion: 83 Resp: 1661975
Ion Ratio Lower Upper
83 100
85 62.6 53.0 79.6

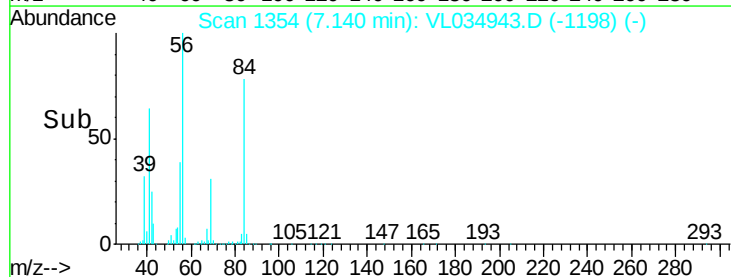
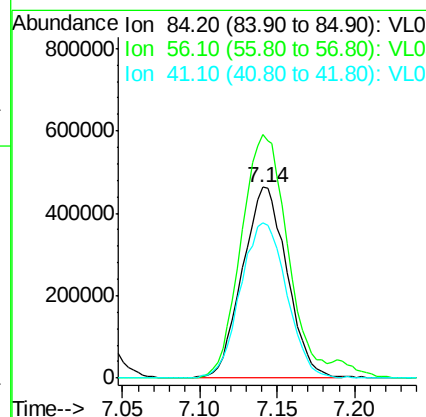
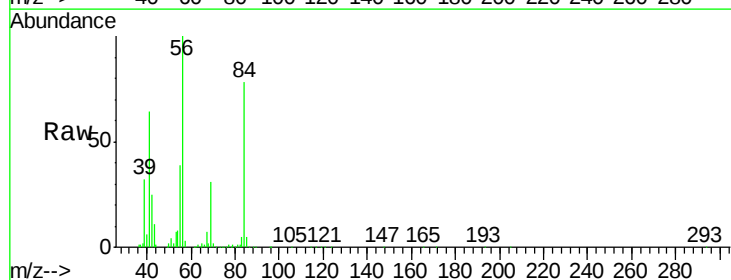
Manual Integrations
APPROVED

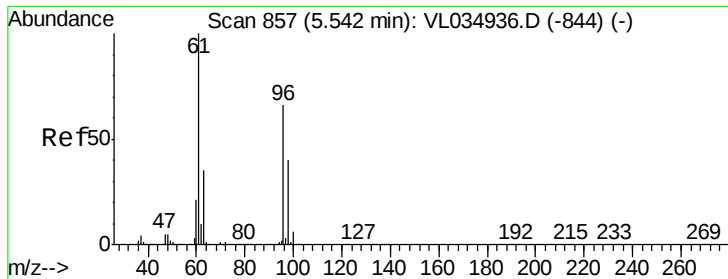
MMDadoda
5/7/2020 2:30:15 PM



#30
Cyclohexane
Concen: 10.114 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Tgt Ion: 84 Resp: 922410
Ion Ratio Lower Upper
84 100
56 139.2 111.4 167.2
41 84.7 66.7 100.1





#31

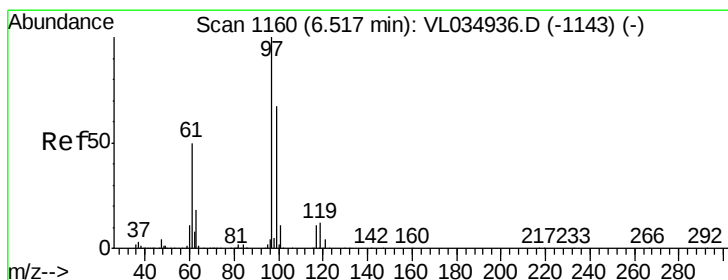
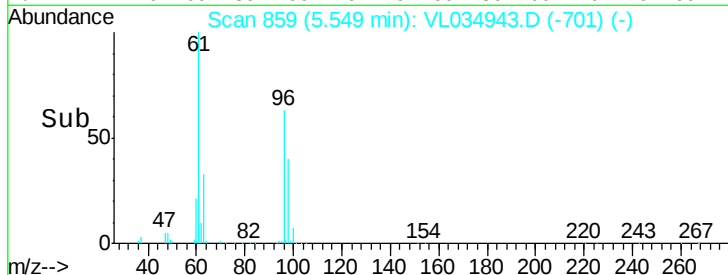
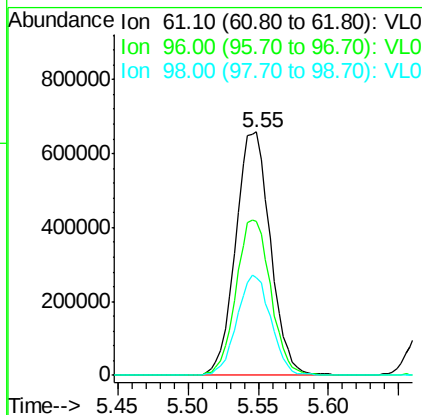
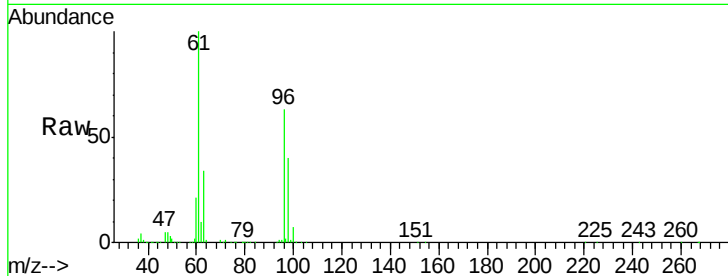
cis-1,2-Dichloroethene
 Concen: 9.870 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. 0.01 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050620

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.4	53.0	79.6
98	40.1	32.2	48.2

Manual Integrations
 APPROVED

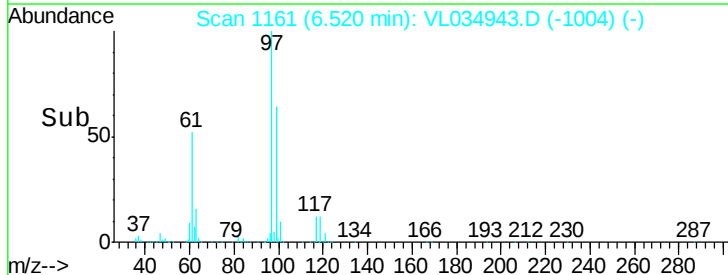
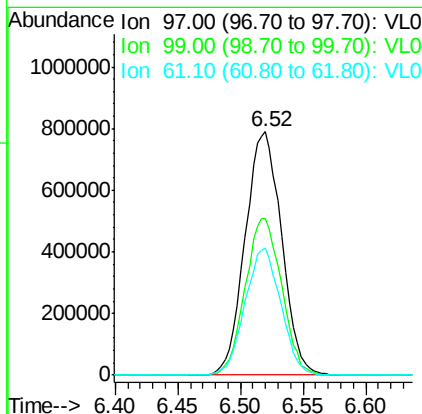
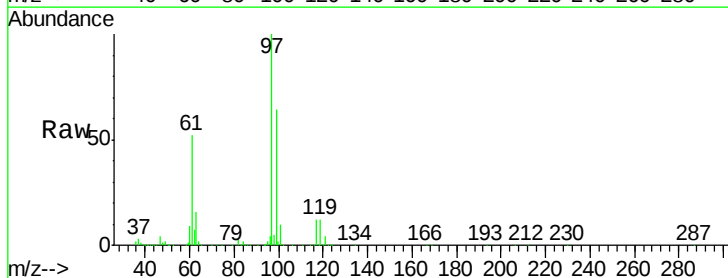
MMDadoda
 5/7/2020 2:30:15 PM

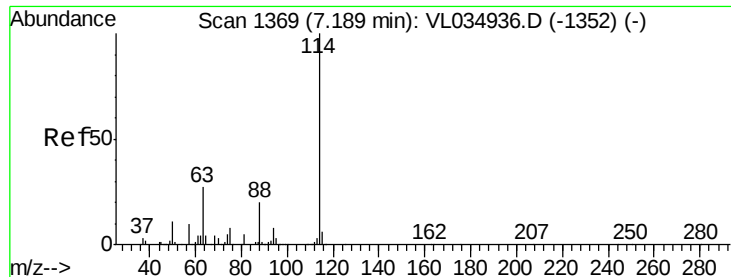


#32

1,1,1-Trichloroethane
 Concen: 9.144 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.1	78.1
61	51.4	41.8	62.8





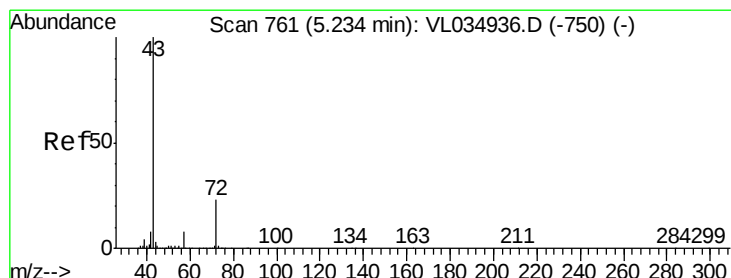
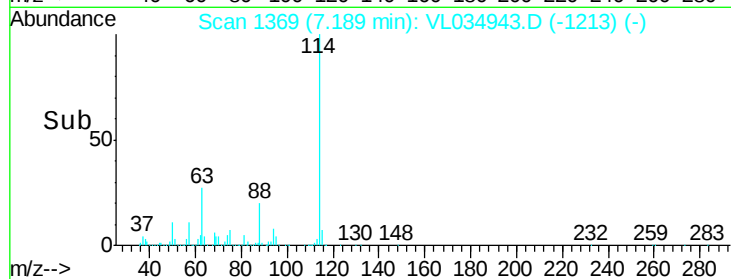
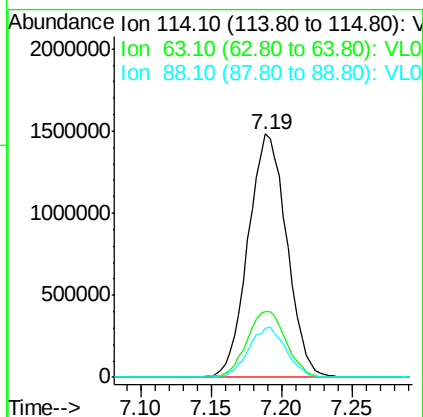
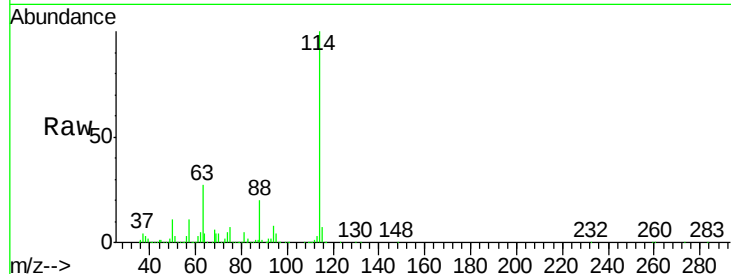
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050620

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.2	33.4
88	20.1	15.5	23.3

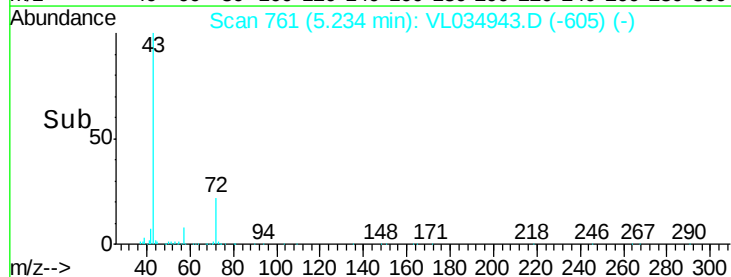
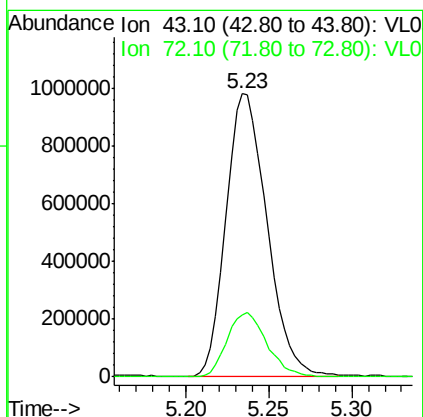
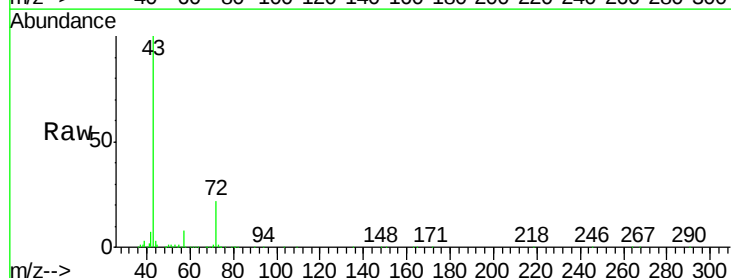
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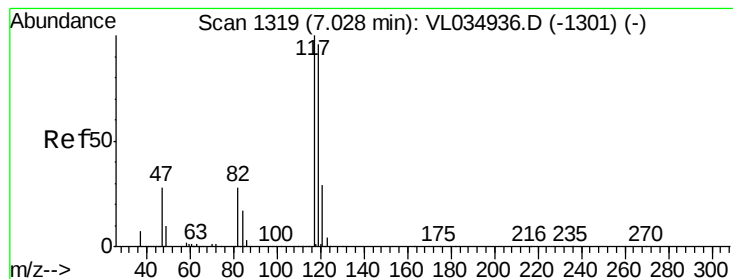
MMDadoda
 5/7/2020 2:30:15 PM



#34
 2-Butanone
 Concen: 9.534 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.0	27.0





#35

Carbon Tetrachloride

Concen: 8.978 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050620

Tot Ion:117 Resp: 1608973

Ion Ratio Lower Upper

117 100

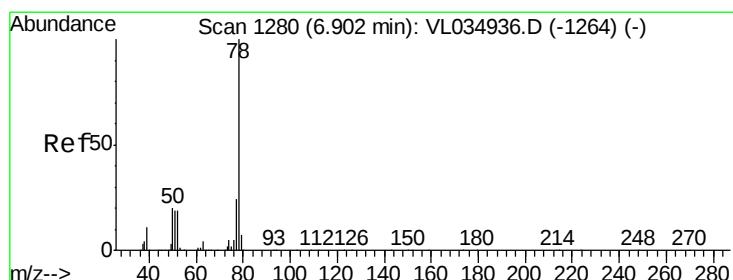
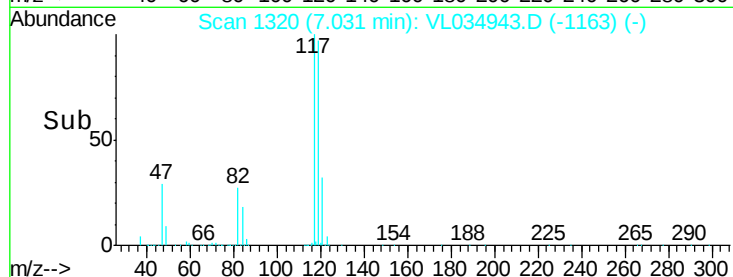
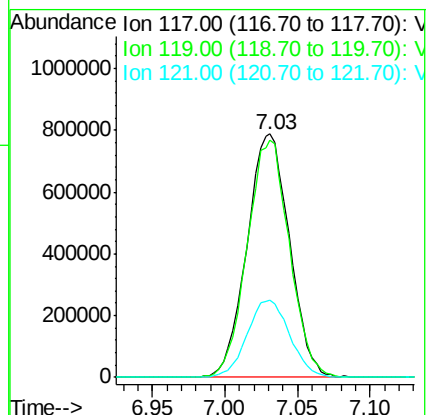
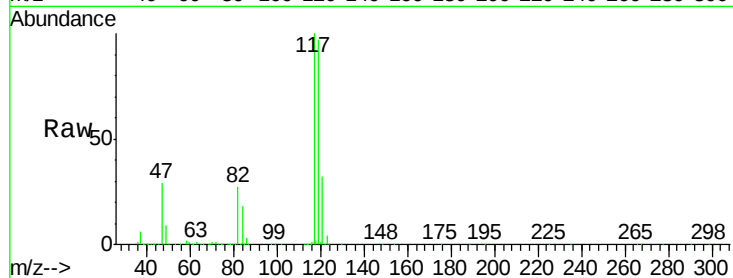
119 97.2 77.0 115.6

121 31.7 23.0 34.6

Manual Integrations
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MMDadoda

5/7/2020 2:30:15 PM



#36

Benzene

Concen: 9.462 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

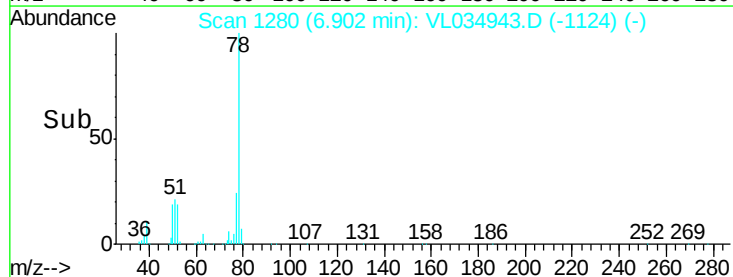
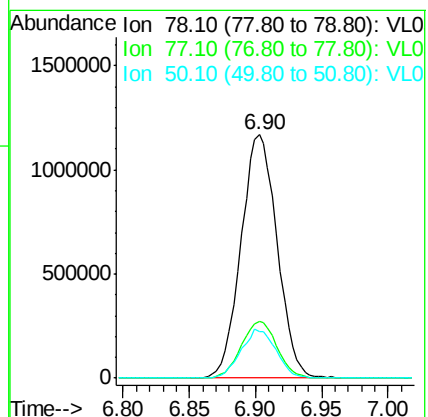
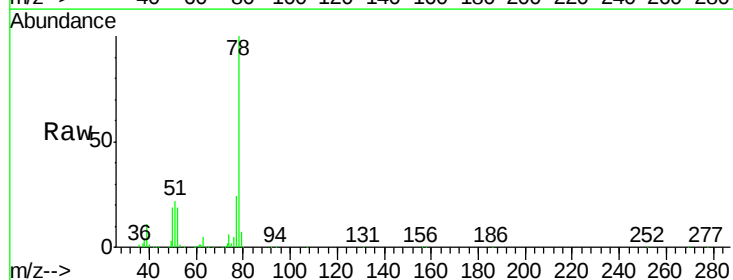
Tgt Ion: 78 Resp: 2214970

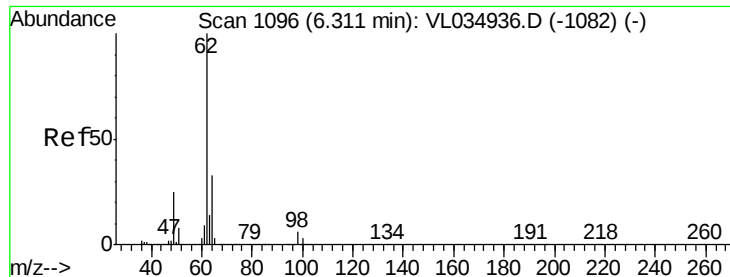
Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6

50 19.1 15.8 23.8





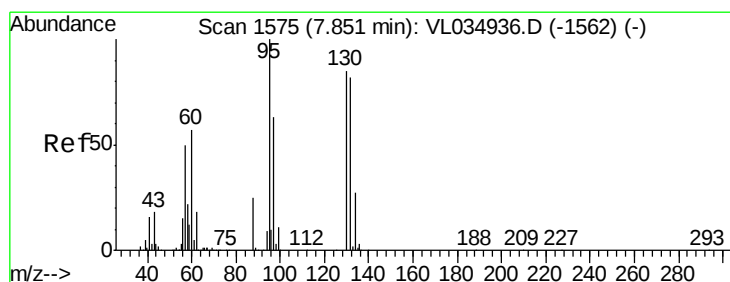
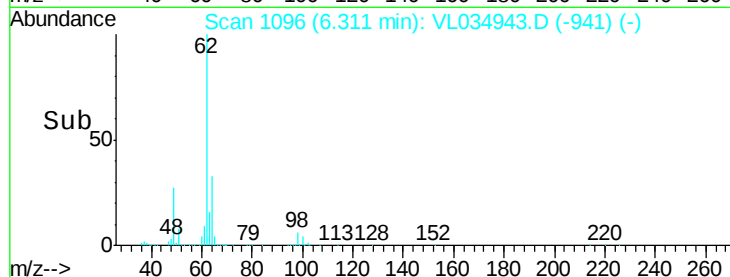
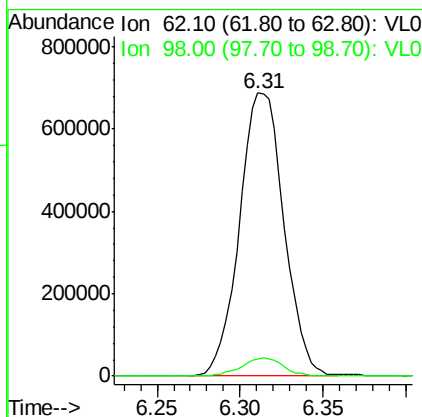
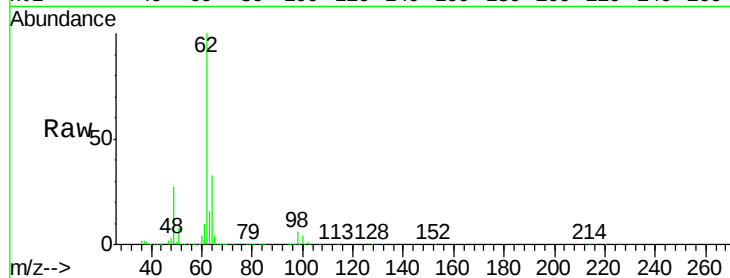
#37
 1,2-Dichloroethane
 Concen: 8.825 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050620

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.3	4.8	7.2

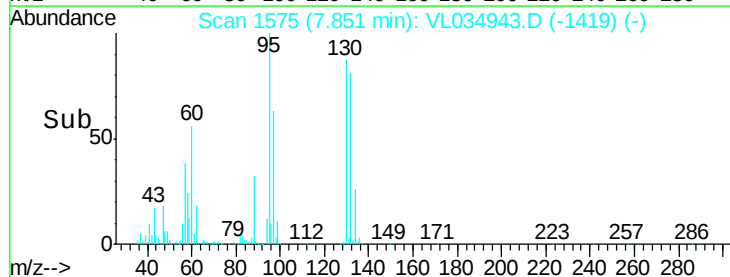
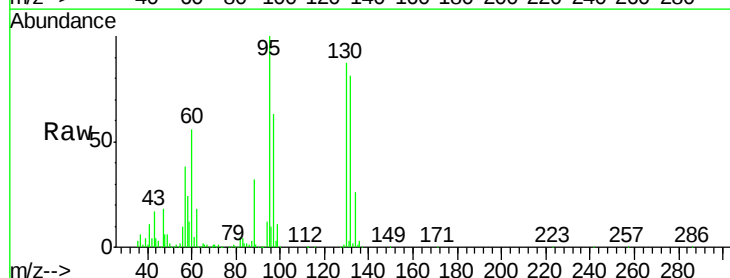
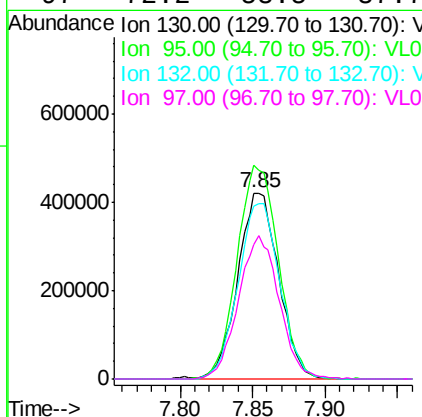
Manual Integrations
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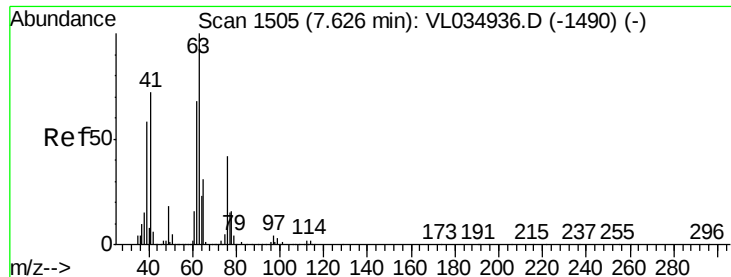
MMDadoda
 5/7/2020 2:30:15 PM



#38
 Trichloroethene
 Concen: 9.052 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.1	93.4	140.0
132	93.0	76.4	114.6
97	72.2	58.5	87.7





#39

1,2-Dichloropropane

Concen: 9.248 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. 0.01 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

Instrument :

MSVOA_L

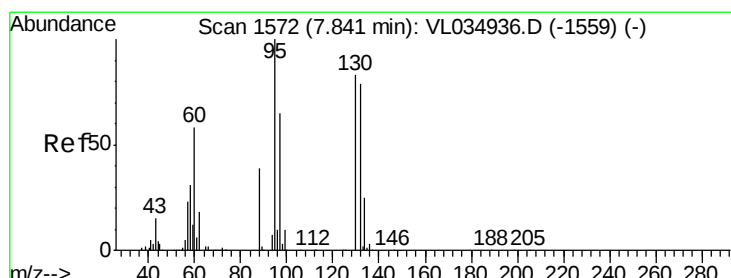
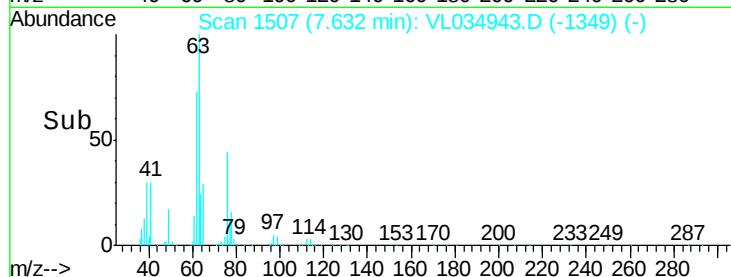
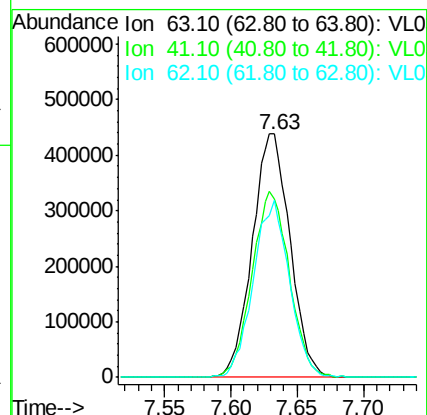
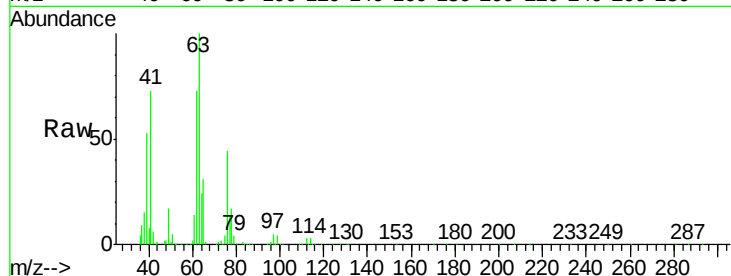
ClientSampleId :

ICVVL050620

Tot Ion:	63	Resp:	867839
Ion	Ratio	Lower	Upper
63	100		
41	73.0	57.8	86.8
62	72.6	54.2	81.2

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.518 ppbv m

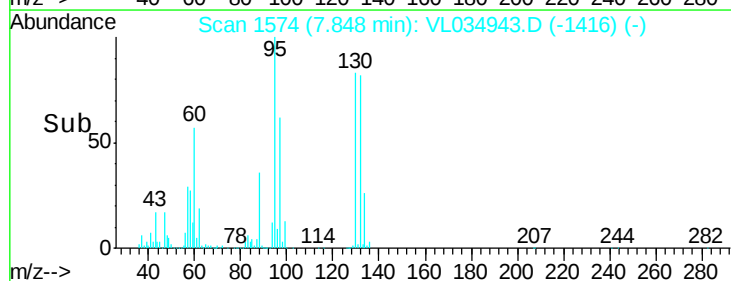
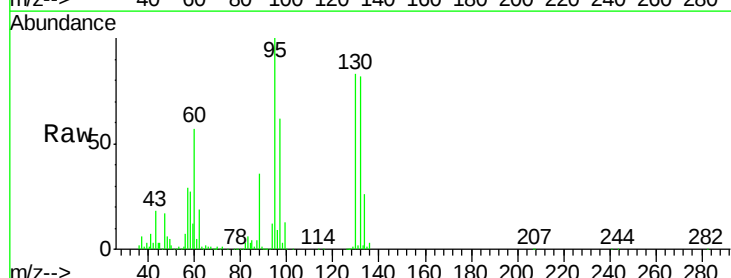
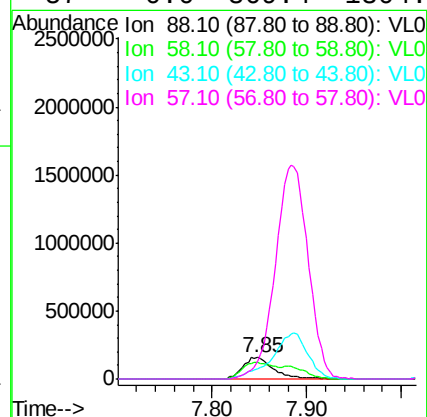
RT: 7.85 min Scan# 1574

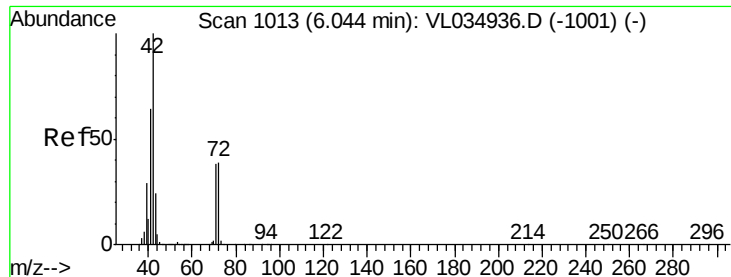
Delta R.T. 0.01 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

Tgt Ion:	88	Resp:	363049
Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.1	157.7#
43	0.0	202.6	303.8#
57	0.0	869.4	1304.0#





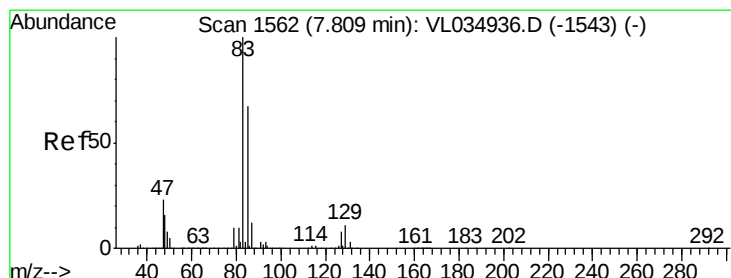
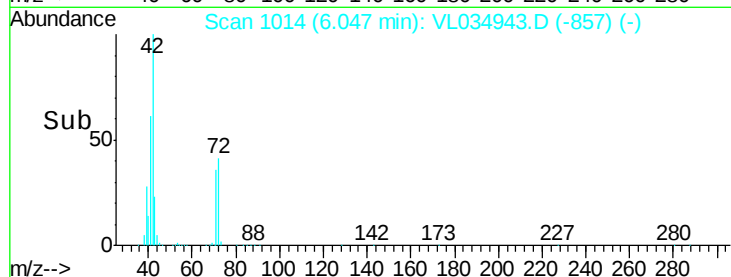
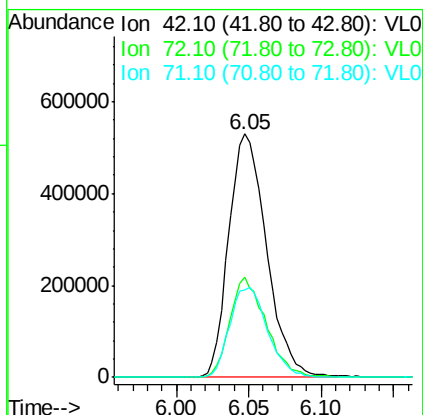
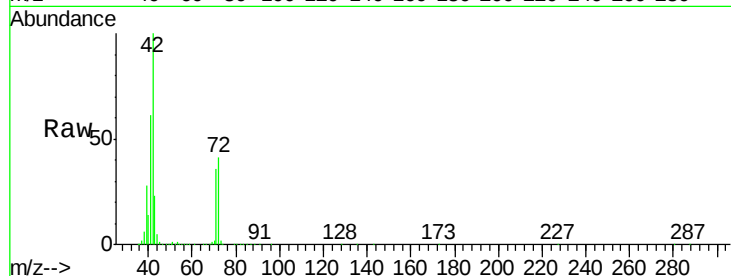
#41
Tetrahydrofuran
Concen: 10.328 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050620

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.4	47.0
71	37.2	29.8	44.8

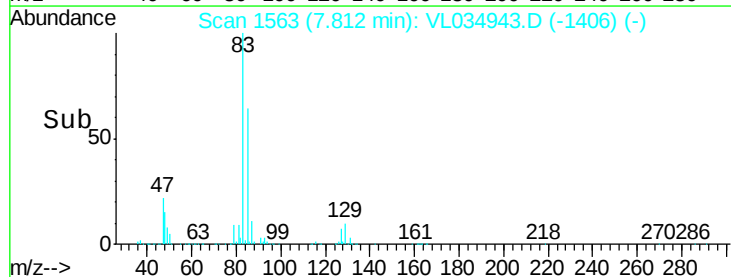
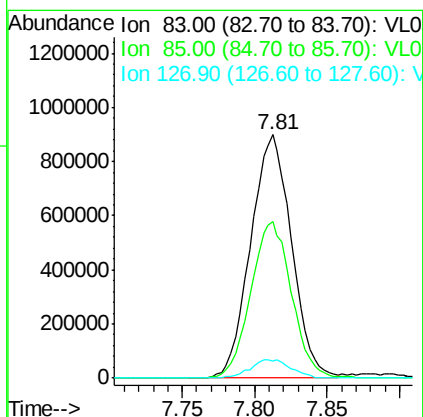
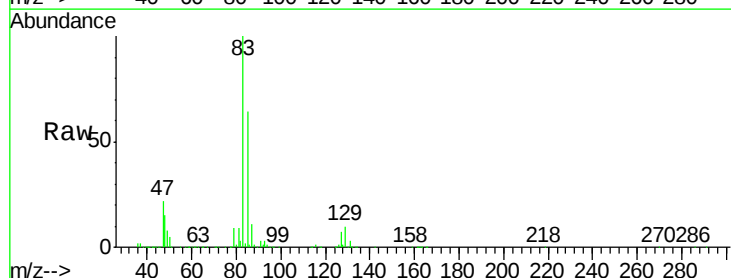
Manual Integrations
APPROVED

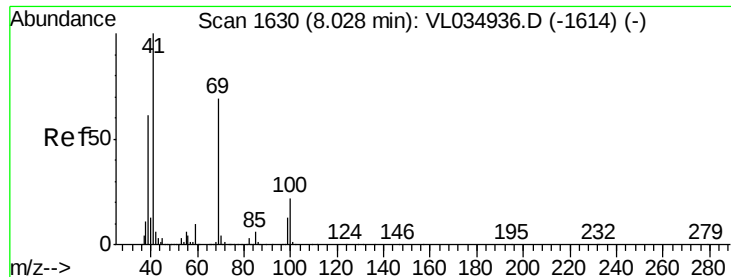
MMDadoda
5/7/2020 2:30:15 PM



#42
Bromodichloromethane
Concen: 9.058 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.4	80.0
127	7.0	6.1	9.1





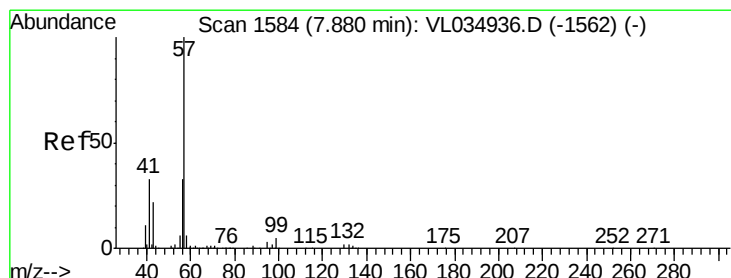
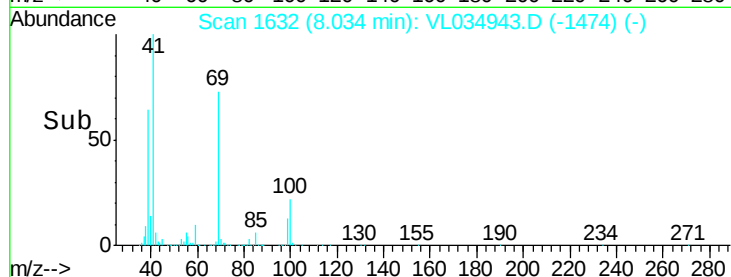
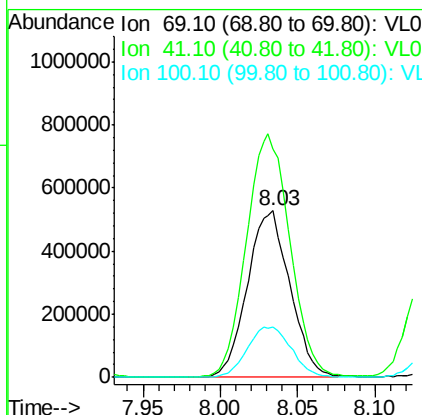
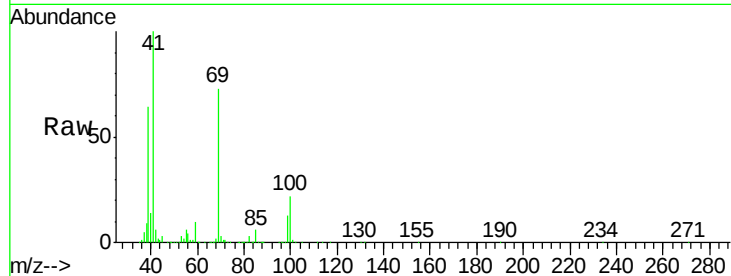
#43
Methvl Methacrilate
Concen: 10.228 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050620

Tot Ion: 69 Resp: 1010969
Ion Ratio Lower Upper
69 100
41 149.6 119.8 179.6
100 31.4 25.0 37.6

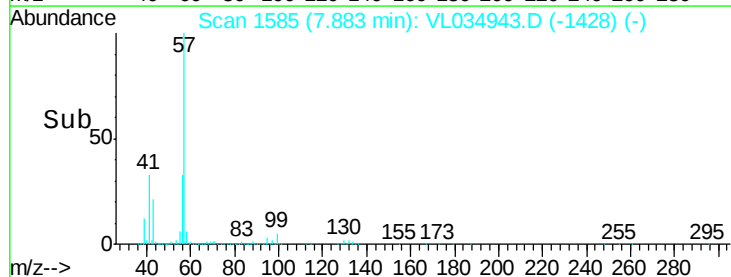
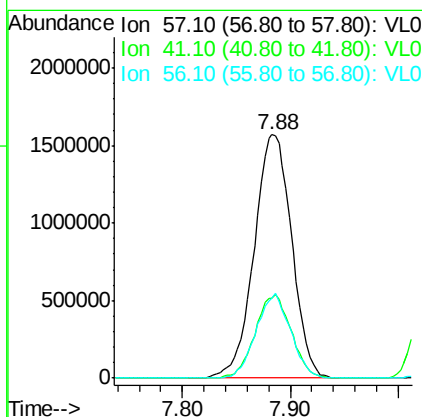
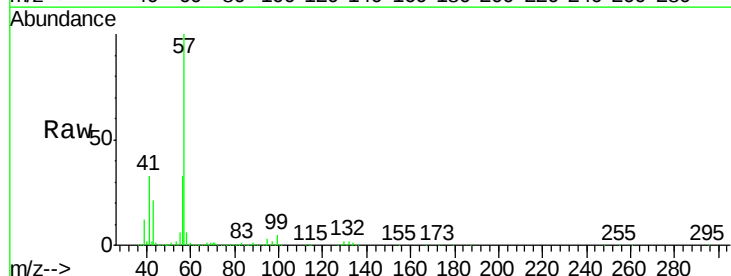
Manual Integrations
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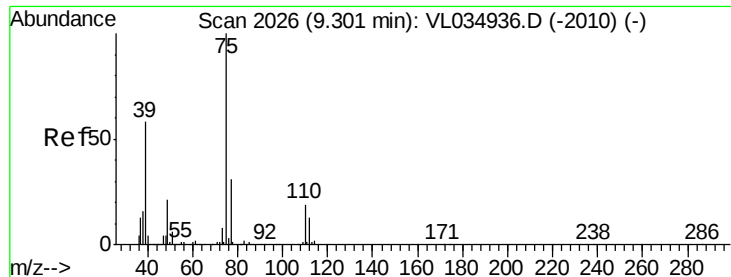
MMDadoda
5/7/2020 2:30:15 PM



#44
2,2,4-Trimethylpentane
Concen: 9.123 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Tgt Ion: 57 Resp: 3796819
Ion Ratio Lower Upper
57 100
41 32.6 26.4 39.6
56 32.0 25.5 38.3





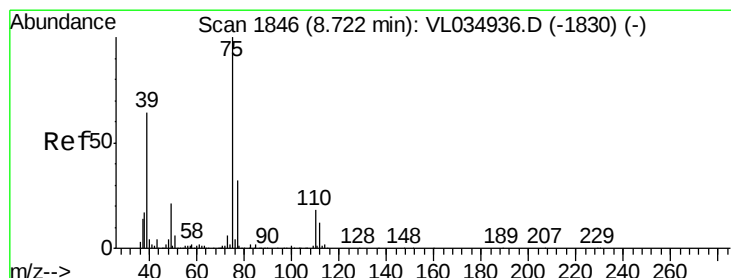
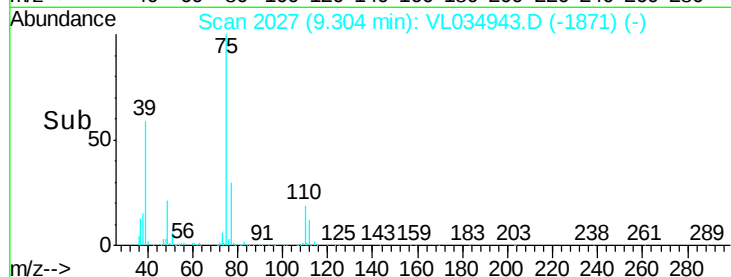
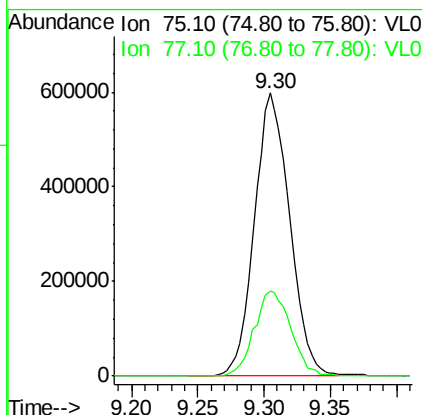
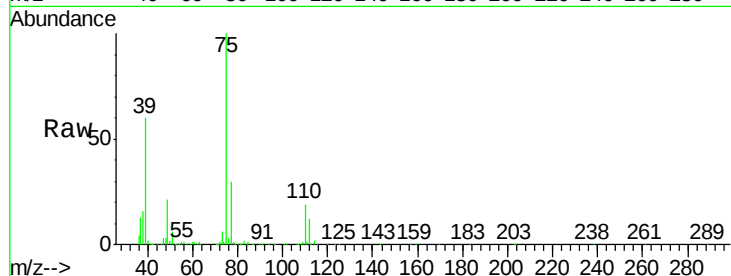
#45
t-1,3-Dichloropropene
Concen: 11.124 ppbv
RT: 9.30 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050620

Tot Ion: 75 Resp: 1109608
Ion Ratio Lower Upper
75 100
77 29.9 24.9 37.3

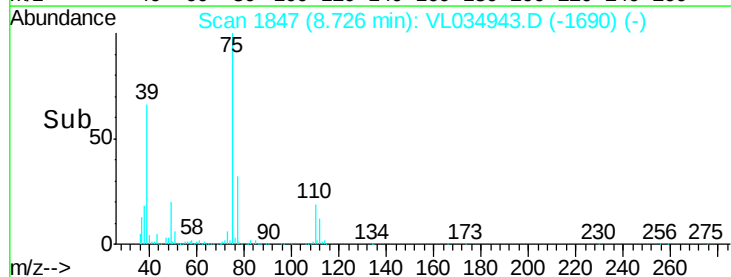
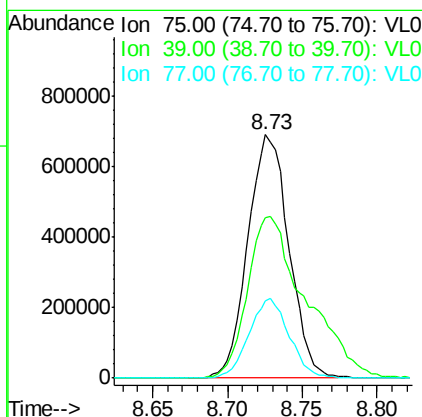
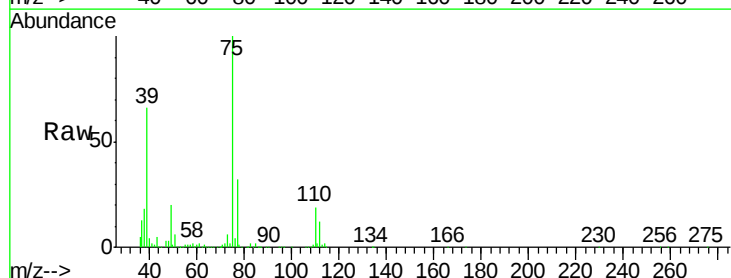
Manual Integrations
APPROVED

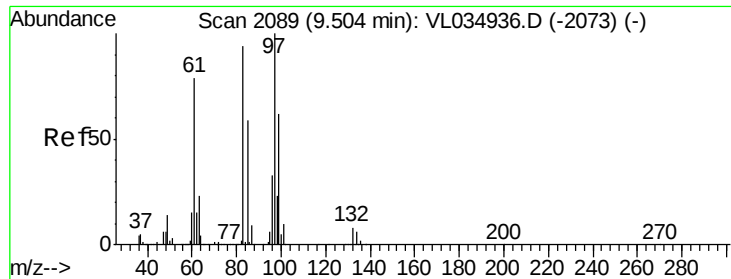
MMDadoda
5/7/2020 2:30:15 PM



#46
cis-1,3-Dichloropropene
Concen: 10.738 ppbv
RT: 8.73 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Tgt Ion: 75 Resp: 1315105
Ion Ratio Lower Upper
75 100
39 66.0 51.5 77.3
77 31.9 25.5 38.3





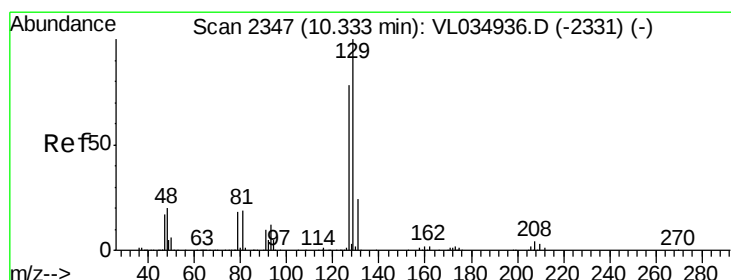
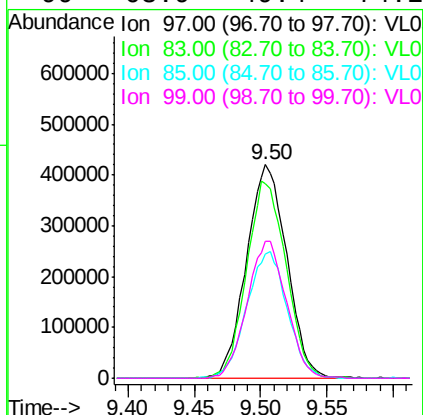
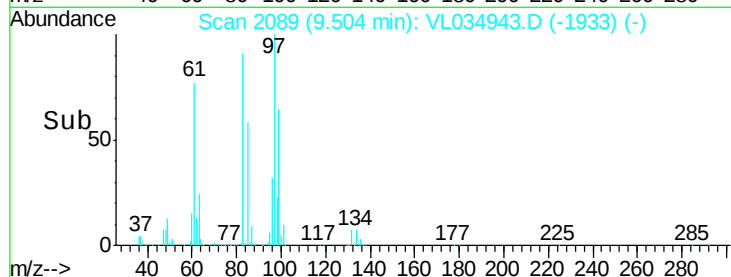
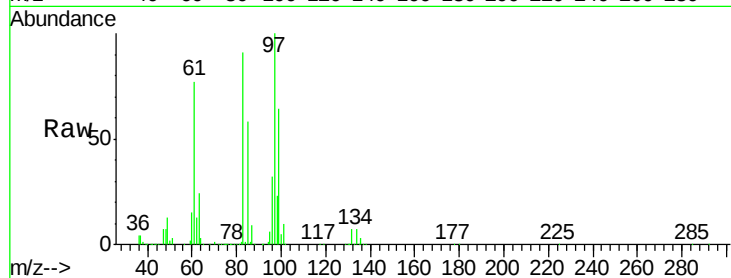
#47
 1,1,2-Trichloroethane
 Concen: 8.976 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050620

Tot Ion:	97	Resp:	888900
Ion	Ratio	Lower	Upper
97	100		
83	91.0	75.6	113.4
85	58.0	47.0	70.6
99	63.9	49.4	74.2

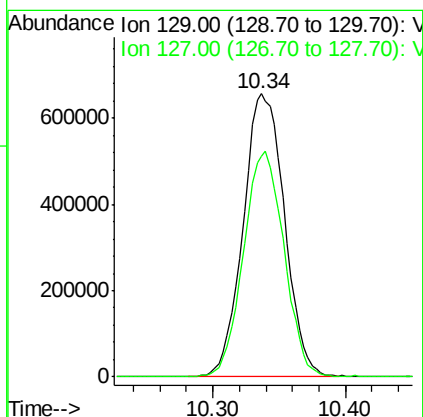
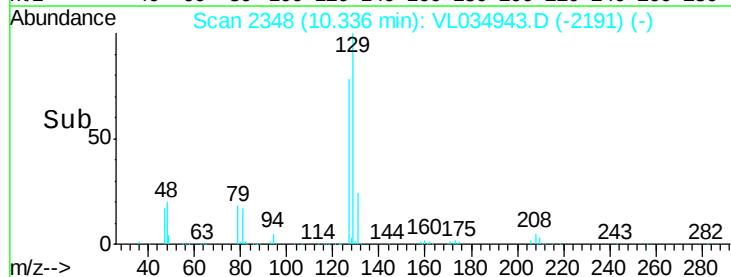
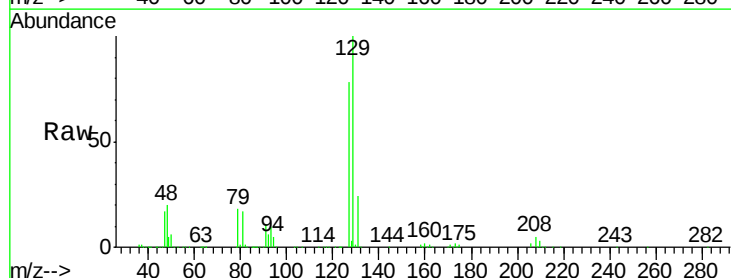
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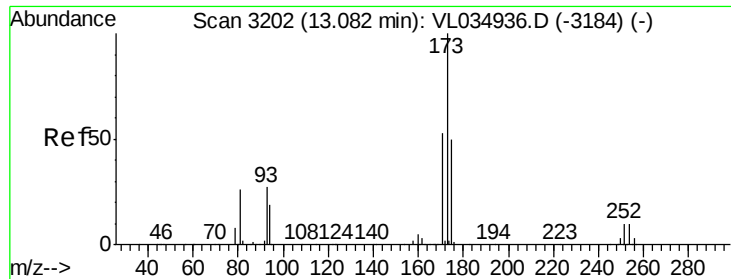
MMDadoda
 5/7/2020 2:30:15 PM



#48
 Dibromochloromethane
 Concen: 9.348 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Tgt Ion:	129	Resp:	1423487
Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.2





#49

Bromoform

Concen: 9.163 ppbv

RT: 13.09 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050620

Tot Ion:173 Resp: 1200575

Ion Ratio Lower Upper

173 100

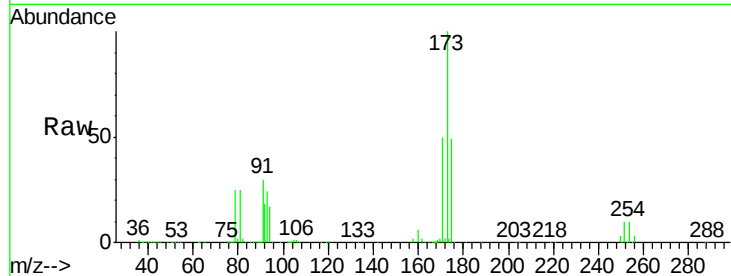
175 50.6 39.0 58.6

171 52.0 41.4 62.2

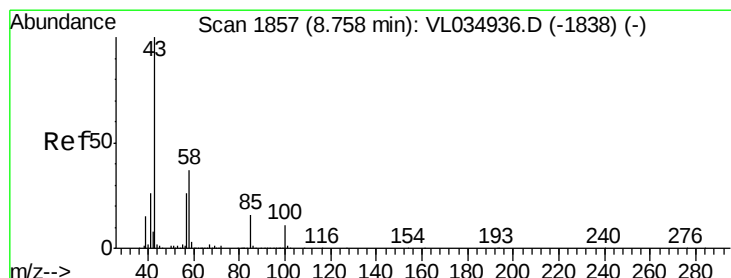
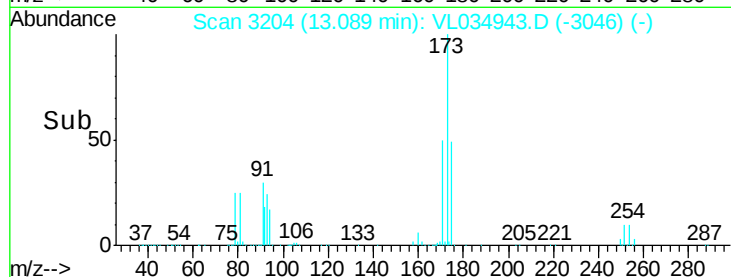
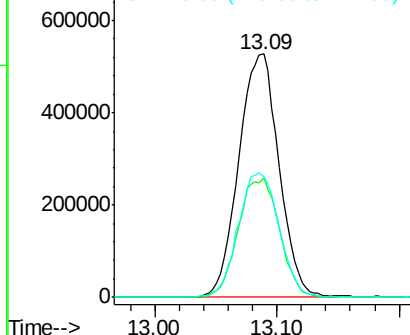
Manual Integrations
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.660 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VL034943.D

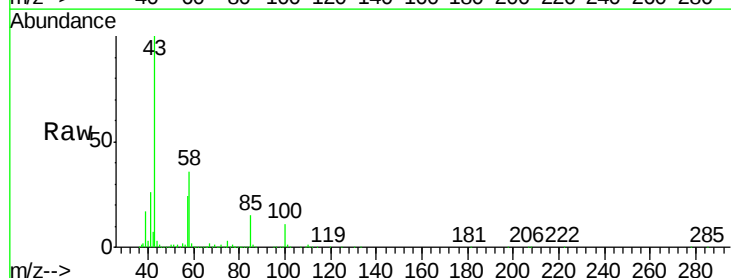
Acq: 6 May 2020 14:42

Tgt Ion: 43 Resp: 2430749

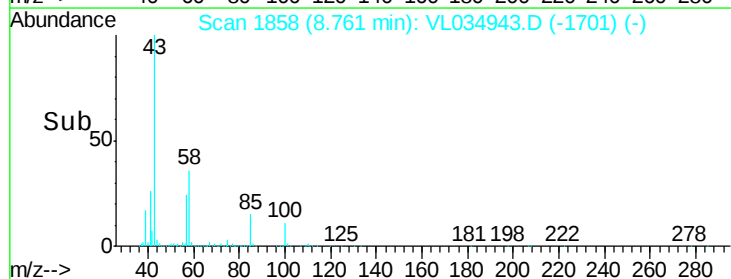
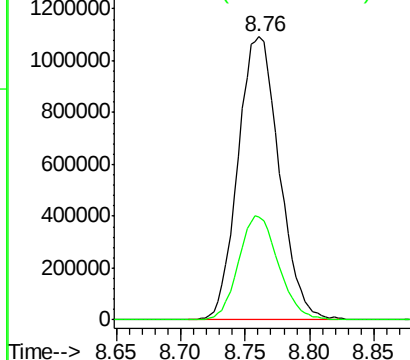
Ion Ratio Lower Upper

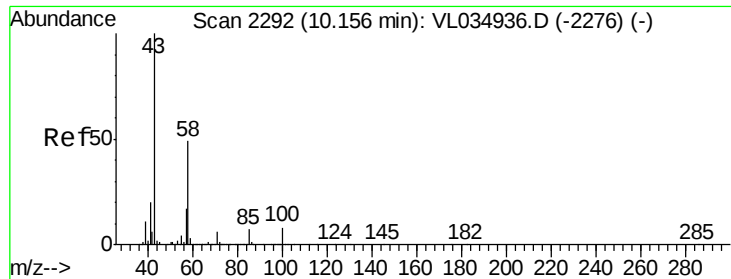
43 100

58 35.7 29.1 43.7



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





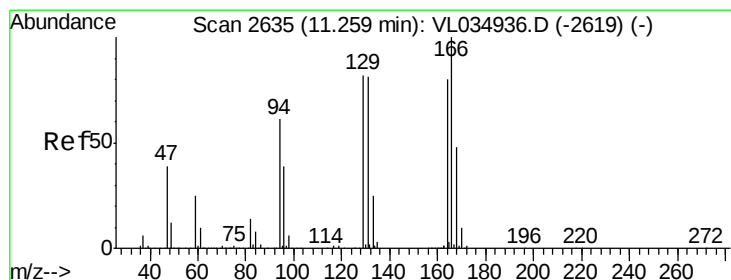
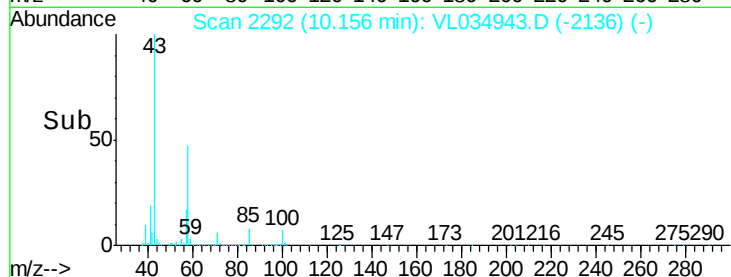
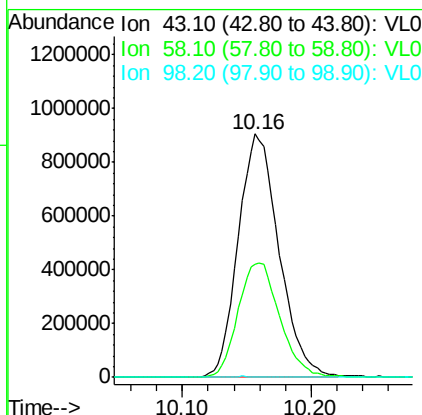
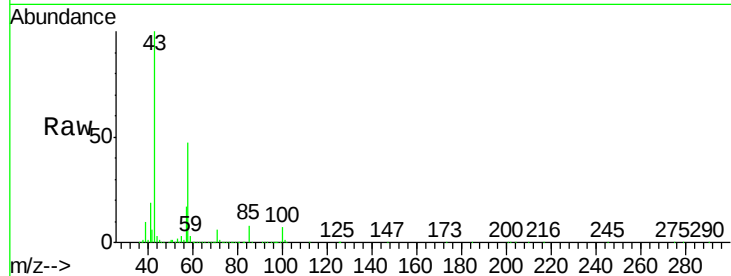
#51
2-Hexanone
Concen: 10.132 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050620

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.3	39.1	58.7
98	0.3	0.3	0.5

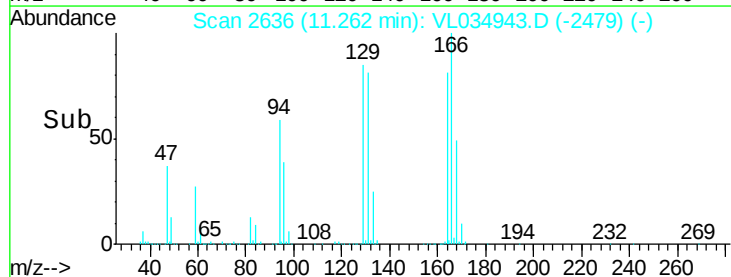
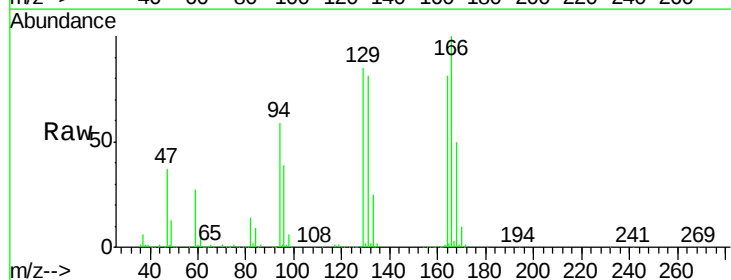
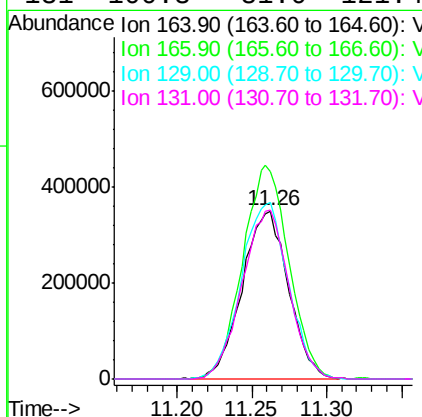
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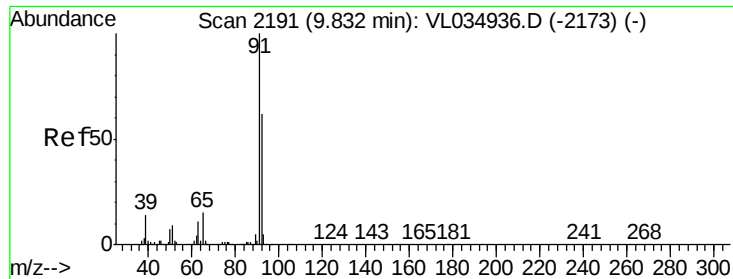
MMDadoda
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#52
Tetrachloroethene
Concen: 9.059 ppbv
RT: 11.26 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.4	100.7	151.1
129	105.2	83.0	124.4
131	100.3	81.0	121.4





#53

Toluene

Concen: 10.192 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050620

Tot Ion: 91 Resp: 2529146

Ion Ratio Lower Upper

91 100

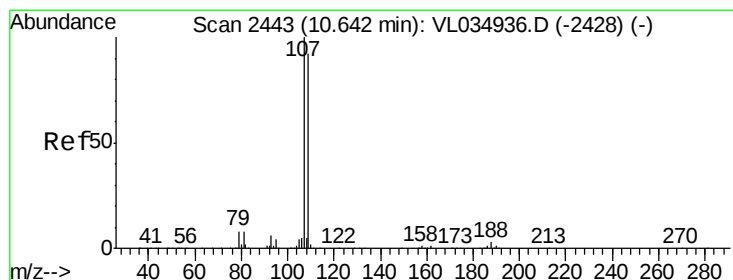
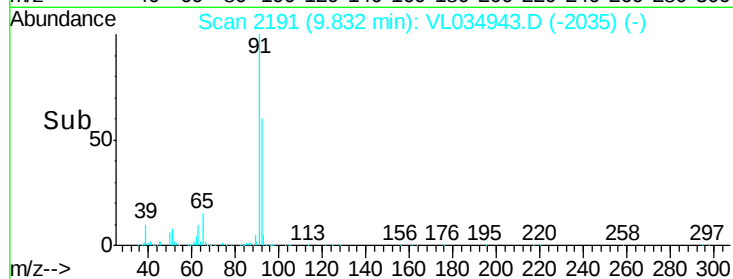
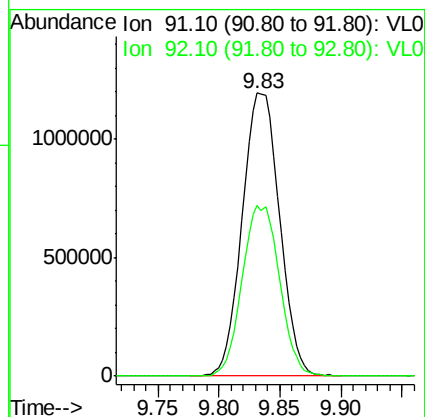
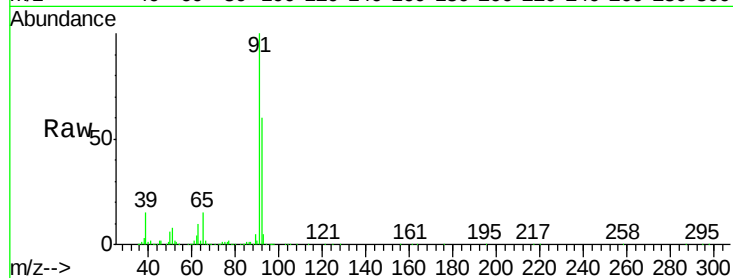
92 60.2 48.6 73.0

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 8.998 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. 0.00 min

Lab File: VL034943.D

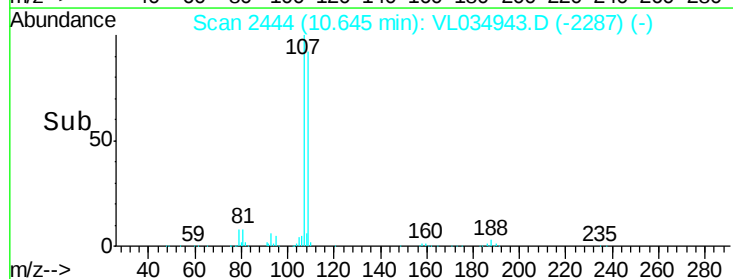
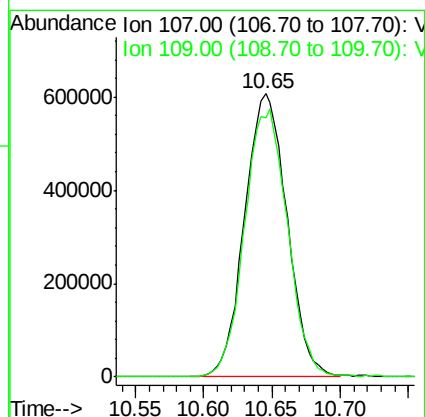
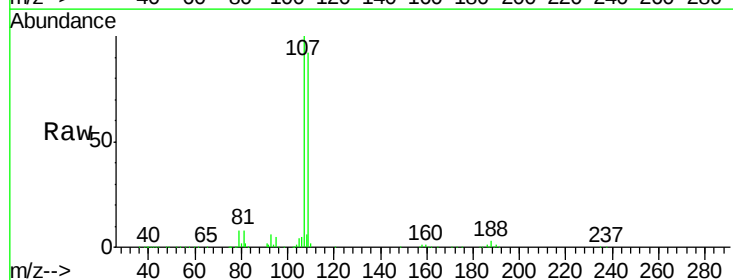
Acq: 6 May 2020 14:42

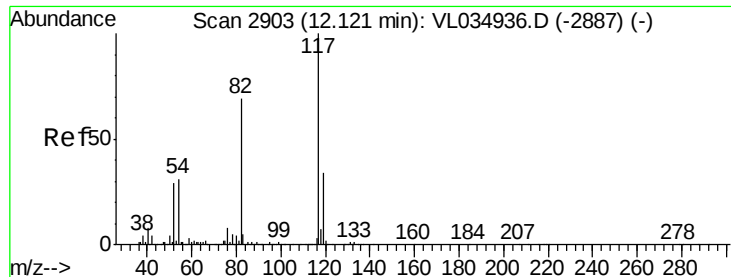
Tgt Ion:107 Resp: 1308416

Ion Ratio Lower Upper

107 100

109 91.6 73.2 109.8





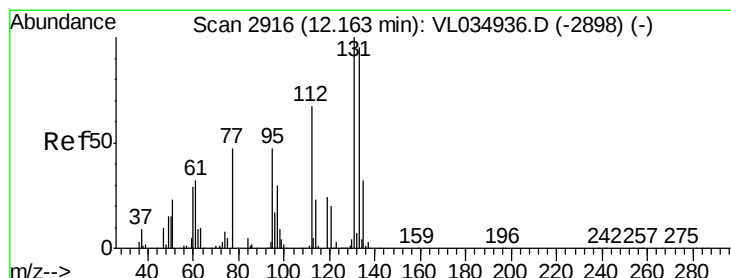
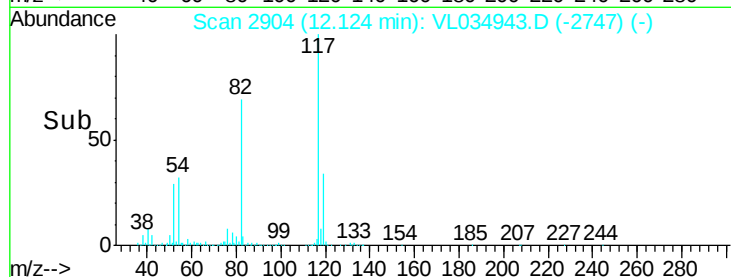
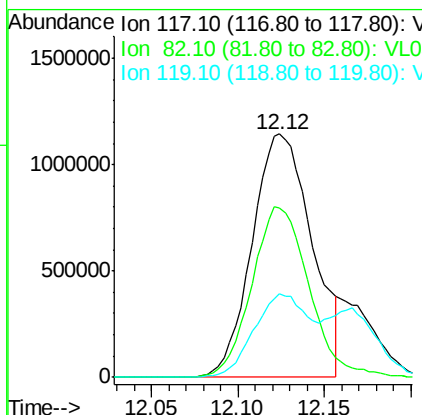
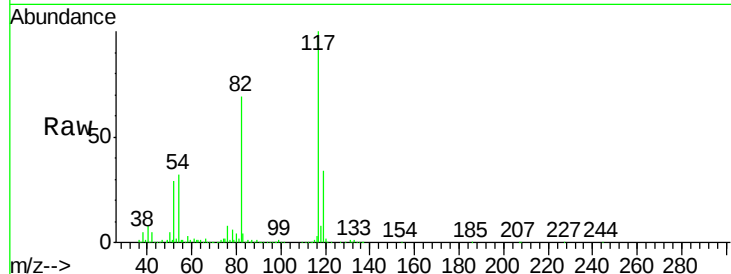
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050620

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.5	53.1	79.7
119	33.7	26.7	40.1

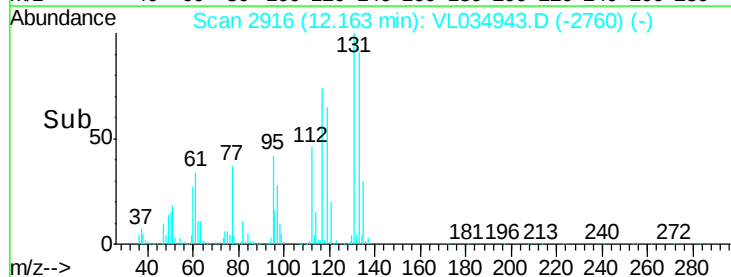
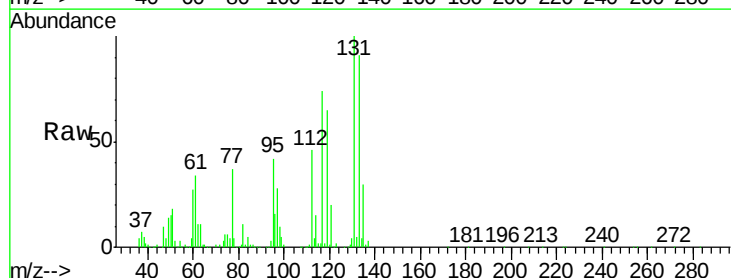
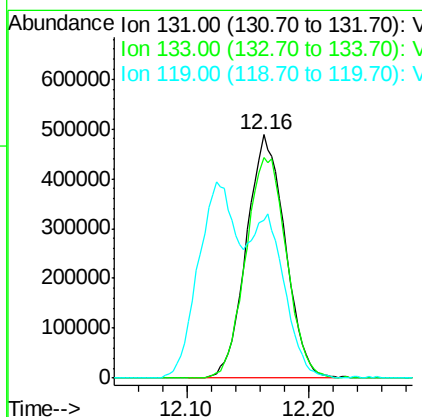
Manual Integrations
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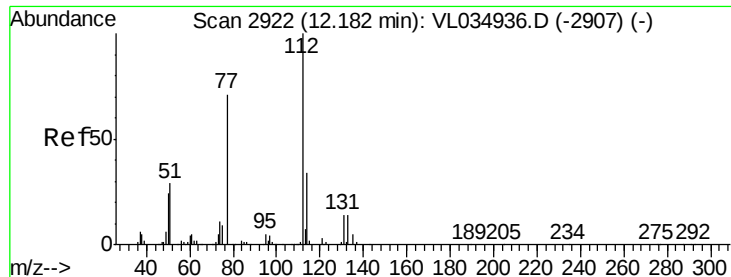
MMDadoda
5/7/2020 2:30:15 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 8.593 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	77.7	116.5
119	60.7	49.8	74.6





#57

Chlorobenzene

Concen: 8.386 ppbv

RT: 12.19 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050620

Tot Ion: 112 Resp: 1828050

Ion Ratio Lower Upper

112 100

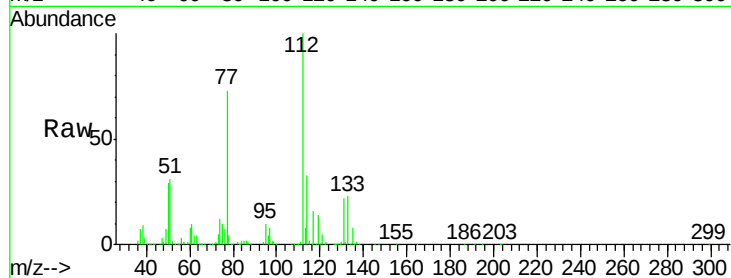
77 72.5 57.0 85.6

114 32.7 30.8 37.6

Manual Integrations
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MMDadoda

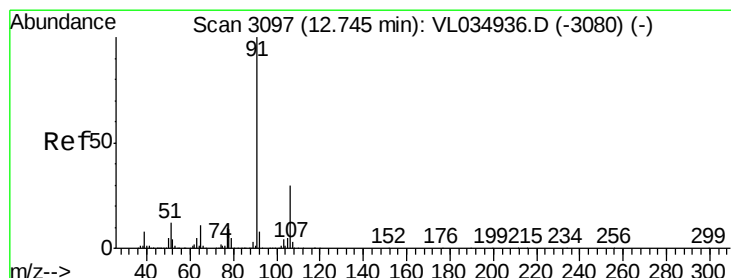
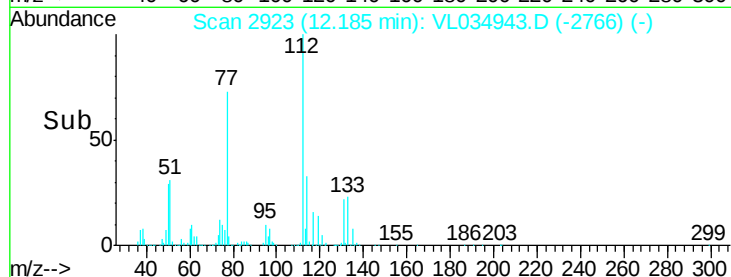
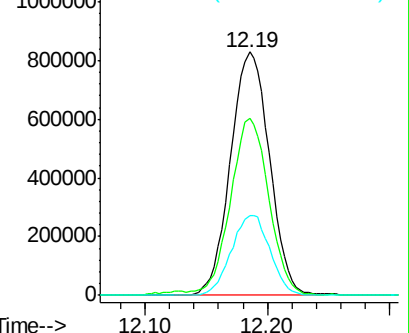
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.608 ppbv

RT: 12.75 min Scan# 3099

Delta R.T. 0.01 min

Lab File: VL034943.D

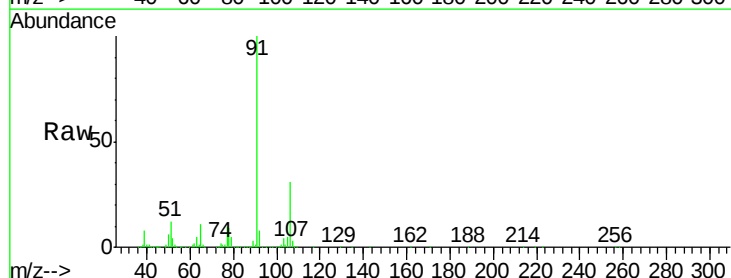
Acq: 6 May 2020 14:42

Tgt Ion: 91 Resp: 3269129

Ion Ratio Lower Upper

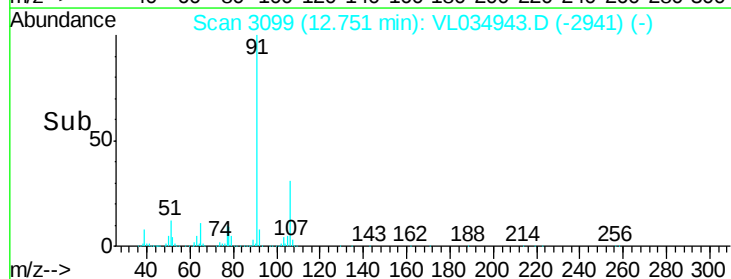
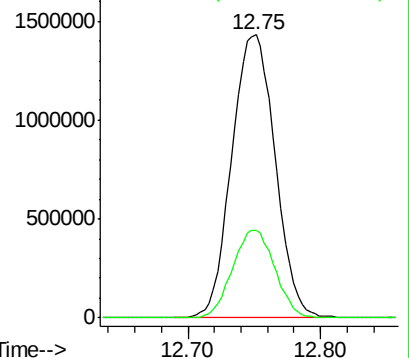
91 100

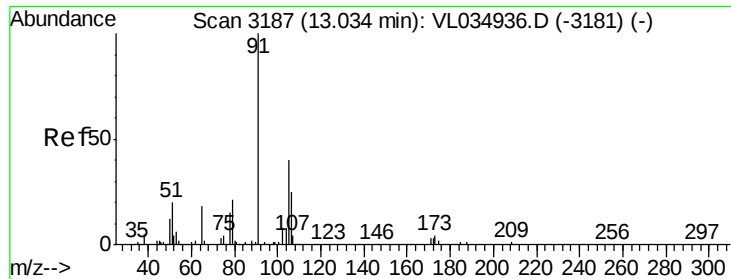
106 30.8 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





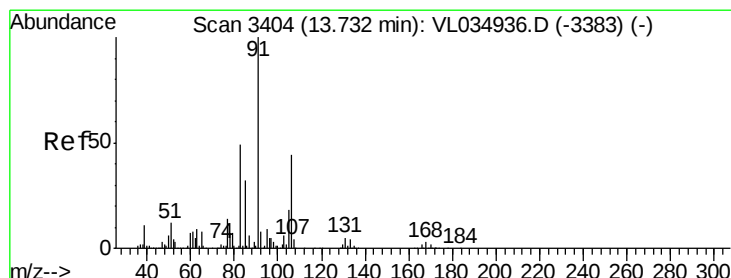
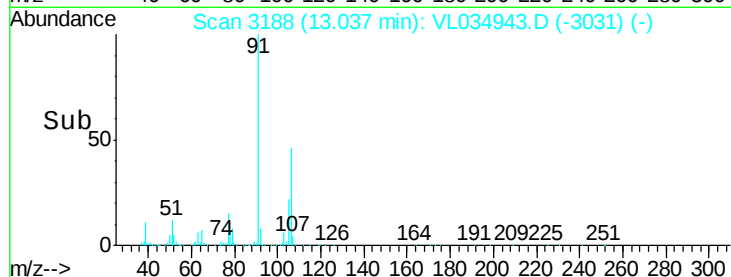
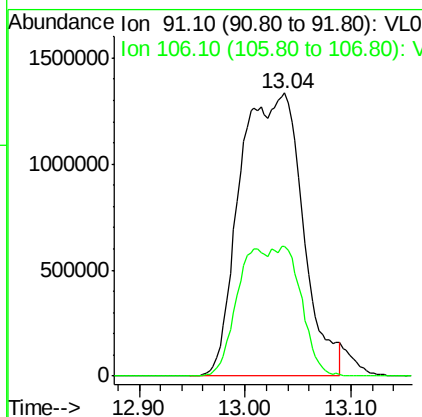
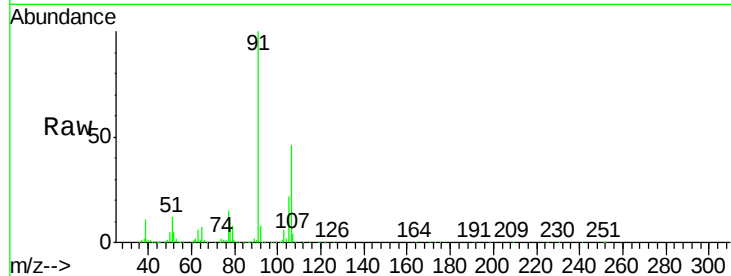
#59
m/p-Xylene
Concen: 18.282 ppbv m
RT: 13.04 min Scan# 3188
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050620

Tot Ion: 91 Resp: 5473138
Ion Ratio Lower Upper
91 100
106 44.6 66.0 99.0#

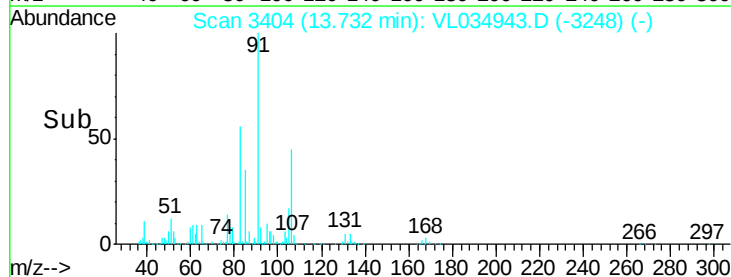
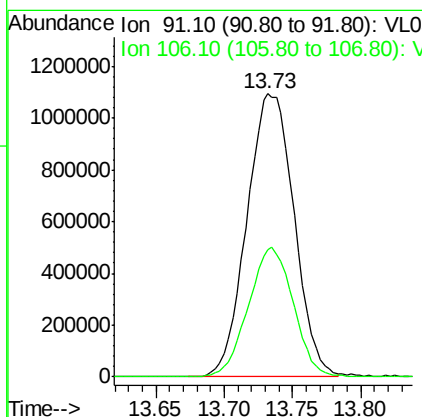
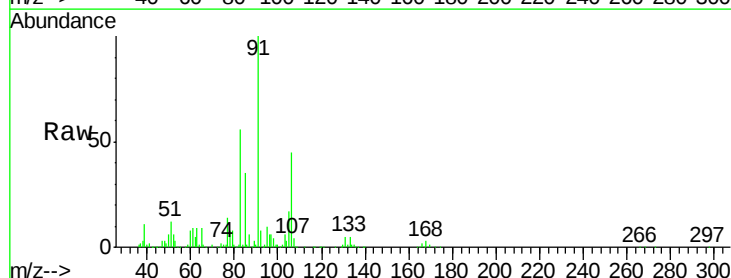
Manual Integrations
APPROVED

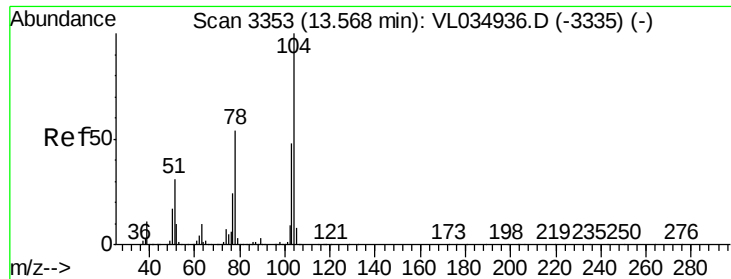
MMDadoda
5/7/2020 2:30:15 PM



#60
o-Xylene
Concen: 8.878 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. -0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Tgt Ion: 91 Resp: 2622629
Ion Ratio Lower Upper
91 100
106 43.8 21.9 65.5





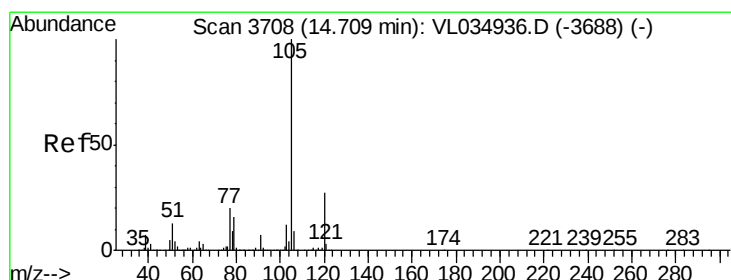
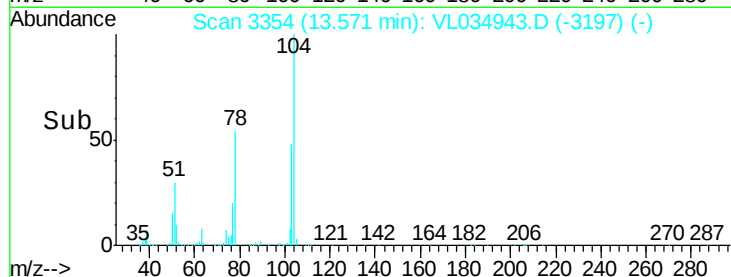
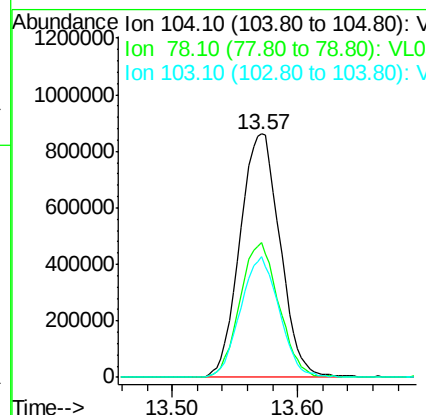
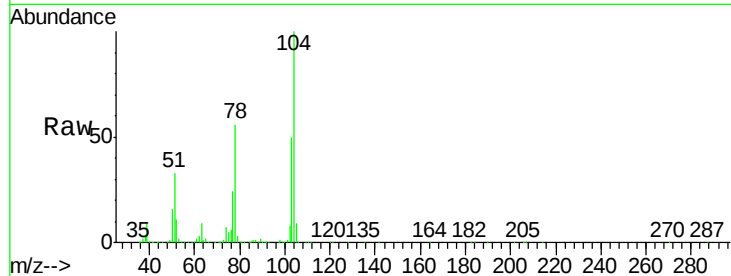
#61
Stvrene
Concen: 10.253 ppbv
RT: 13.57 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050620

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.1	43.7	65.5
103	48.0	38.8	58.2

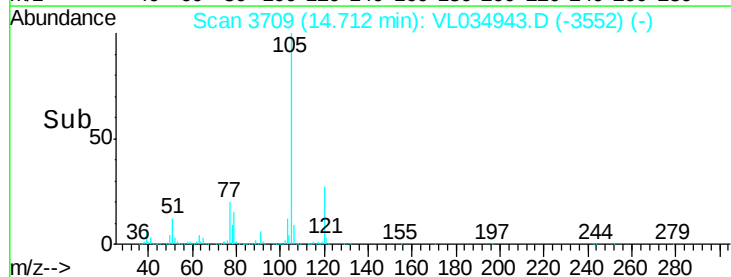
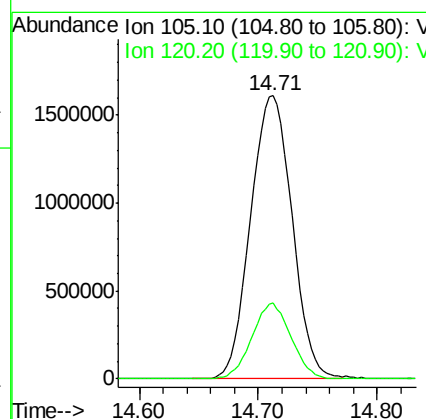
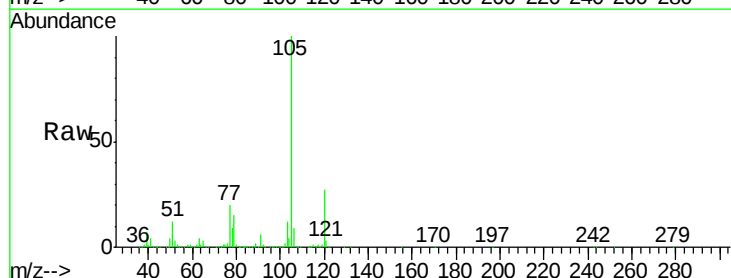
Manual Integrations
APPROVED

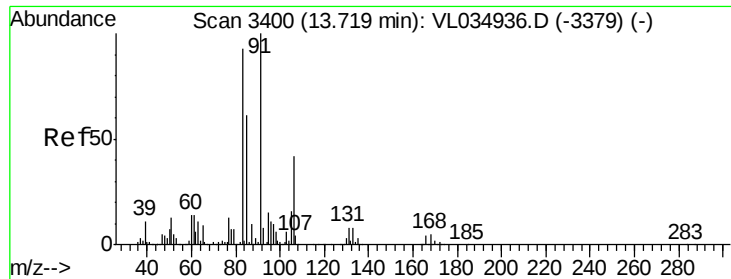
MMDadoda
5/7/2020 2:30:15 PM



#62
Isopropylbenzene
Concen: 8.819 ppbv
RT: 14.71 min Scan# 3709
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.6	31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 7.910 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050620

Tot Ion: 83 Resp: 1839442

Ion Ratio Lower Upper

83 100

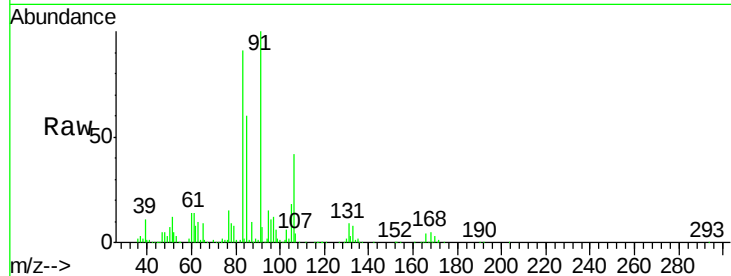
131 8.8 4.7 14.0

85 64.6 32.5 97.4

Manual Integrations
APPROVED

MMDadoda

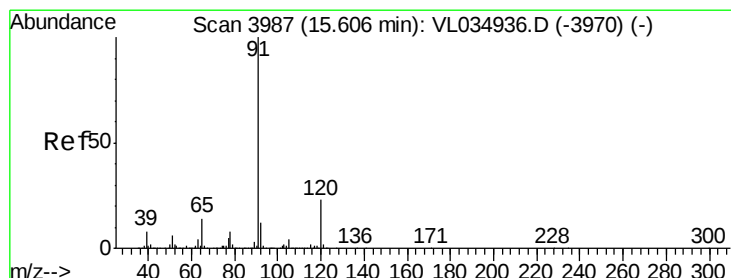
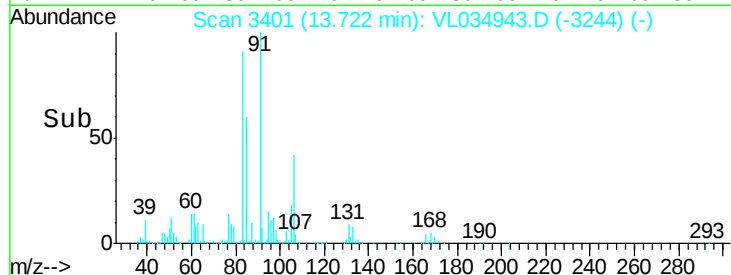
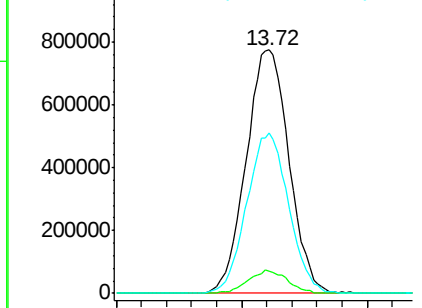
5/7/2020 2:30:15 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.977 ppbv

RT: 15.61 min Scan# 3987

Delta R.T. 0.00 min

Lab File: VL034943.D

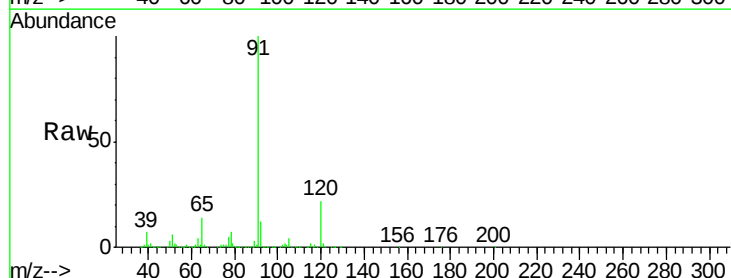
Acq: 6 May 2020 14:42

Tgt Ion: 120 Resp: 1015597

Ion Ratio Lower Upper

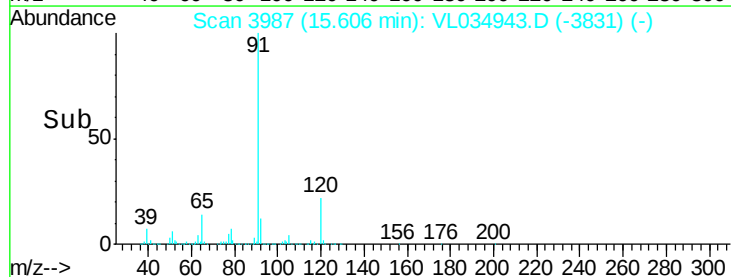
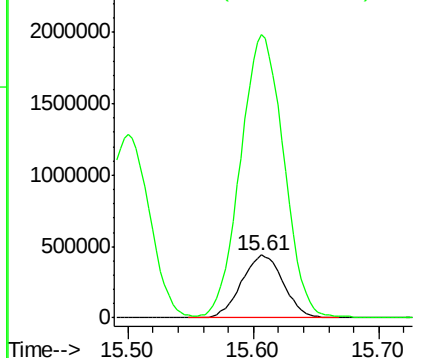
120 100

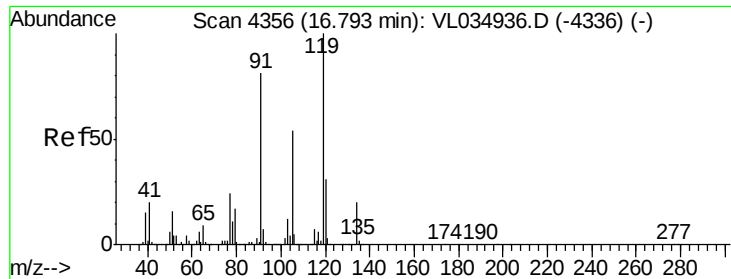
91 468.5 373.5 560.3



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





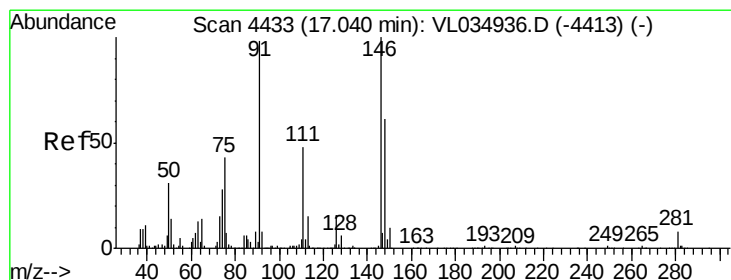
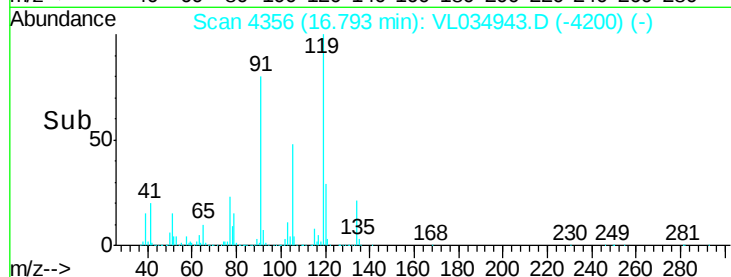
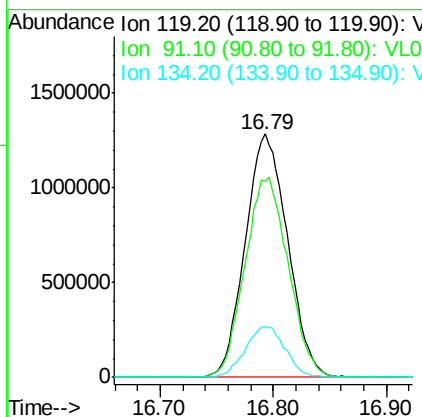
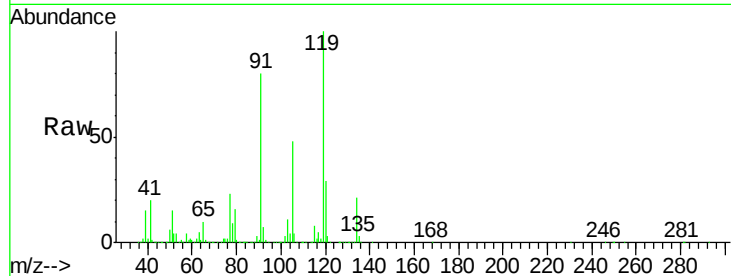
#65
tert-Butylbenzene
Concen: 8.727 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. -0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050620

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.3	67.5	101.3
134	19.8	16.1	24.1

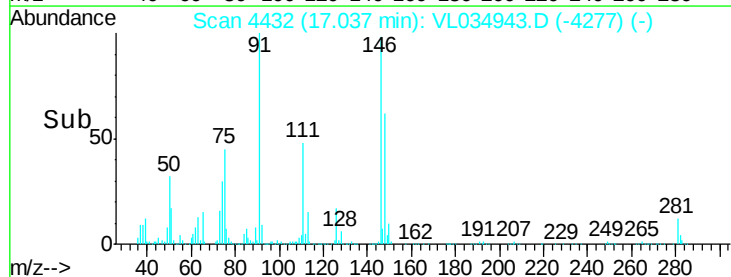
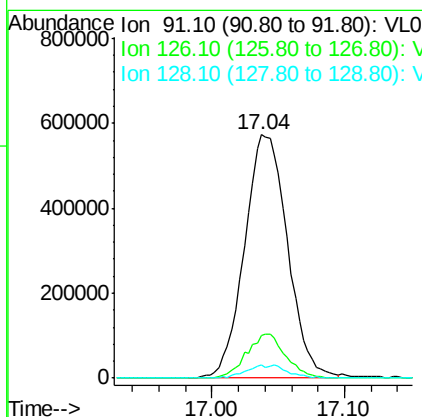
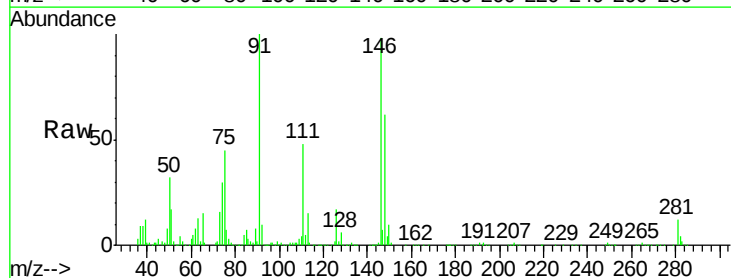
Manual Integrations
APPROVED

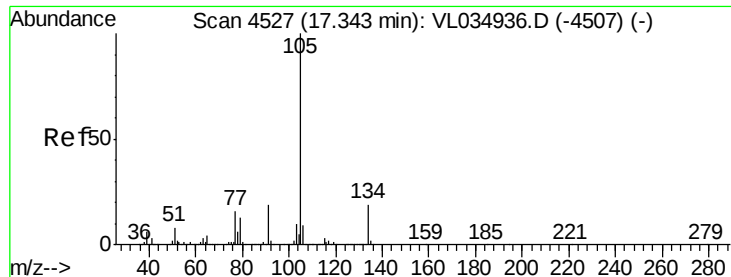
MMDadoda
5/7/2020 2:30:15 PM



#66
Benzyl Chloride
Concen: 9.926 ppbv
RT: 17.04 min Scan# 4432
Delta R.T. -0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.5	13.8	20.6
128	5.2	4.3	6.5





#67

sec-Butylbenzene

Concen: 8.784 ppbv

RT: 17.35 min Scan# 4528

Delta R.T. 0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050620

Tot Ion:105 Resp: 4796774

Ion Ratio Lower Upper

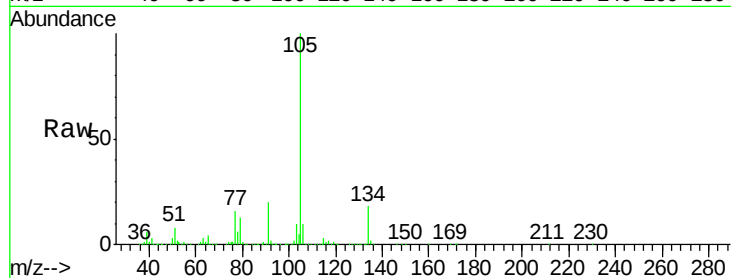
105 100

134 18.3 14.8 22.2

Manual Integrations
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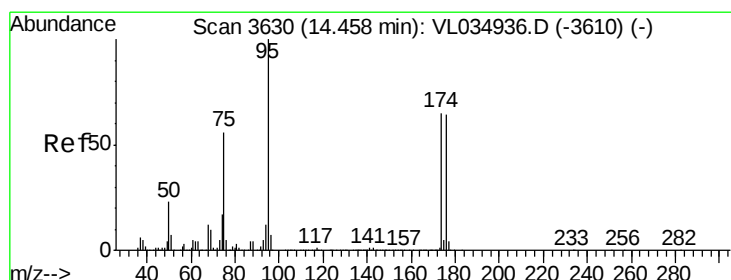
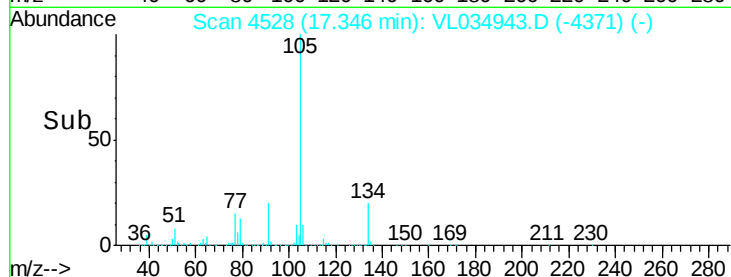
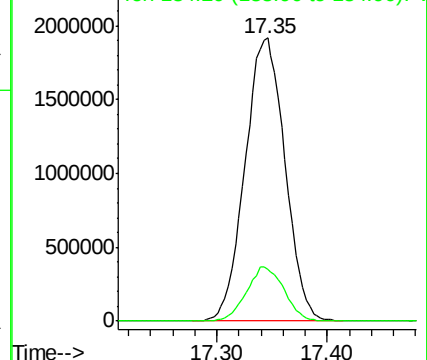
MMDadoda

5/7/2020 2:30:15 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.764 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

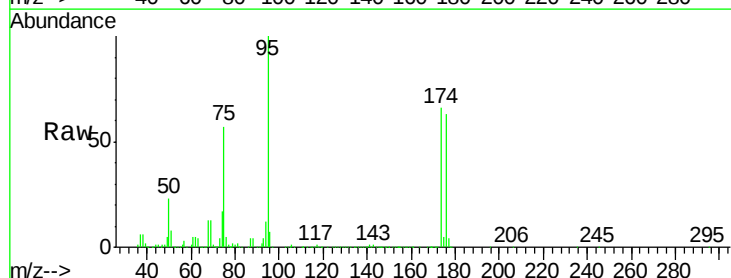
Tgt Ion: 95 Resp: 2174674

Ion Ratio Lower Upper

95 100

174 65.7 51.5 77.3

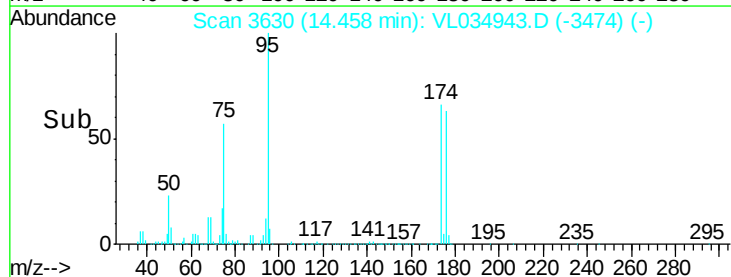
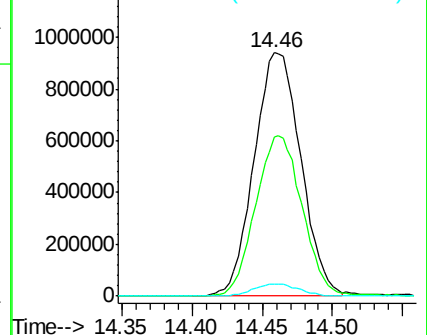
175 4.9 3.8 5.8

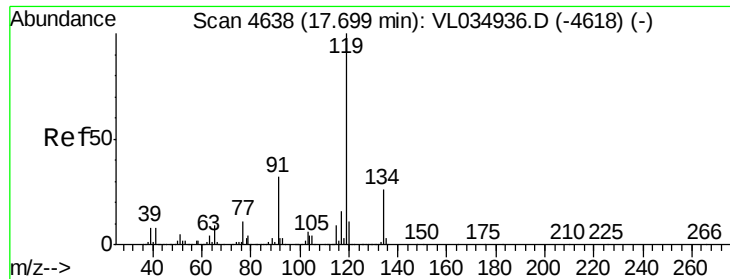


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





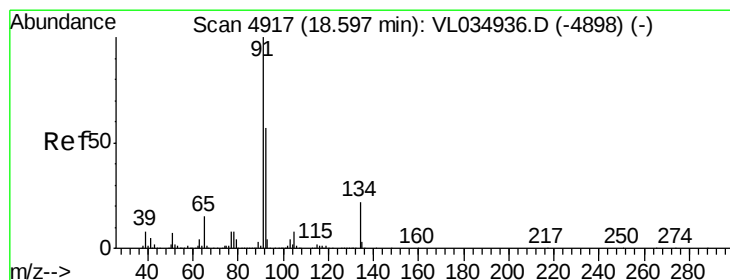
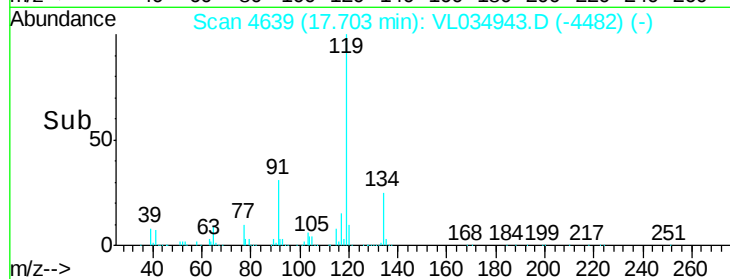
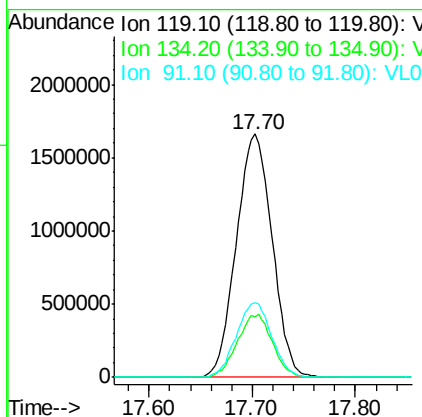
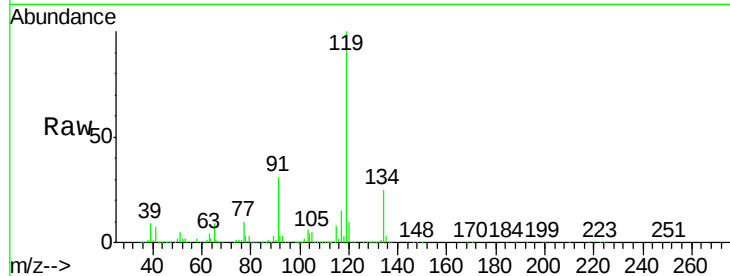
#69
 p-Isopropyltoluene
 Concen: 9.086 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. 0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050620

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.3	30.5
91	30.5	24.6	36.8

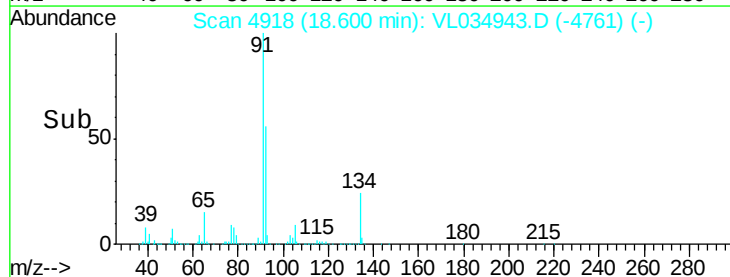
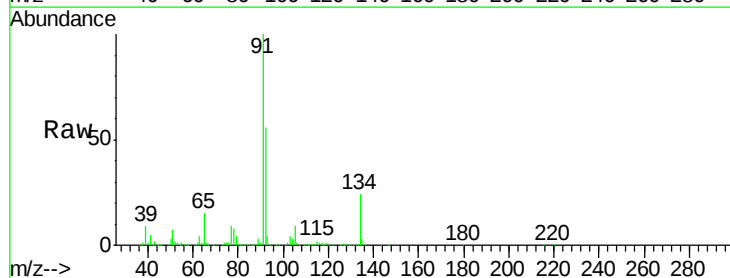
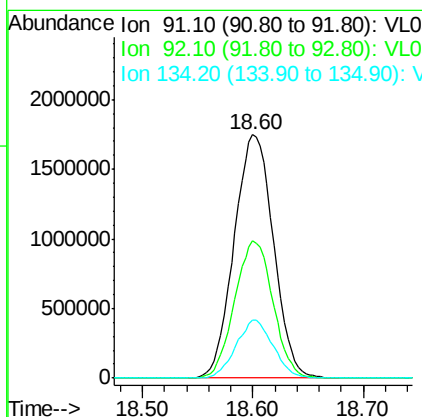
Manual Integrations
 APPROVED

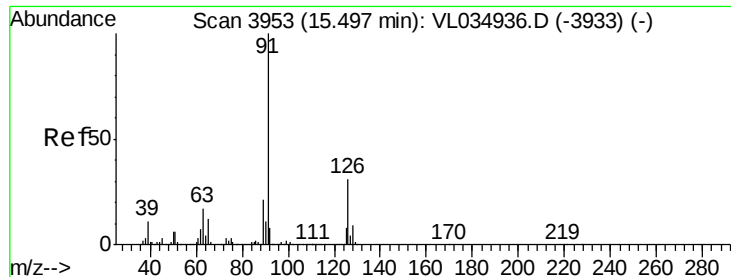
MMDadoda
 5/7/2020 2:30:15 PM



#70
 n-Butylbenzene
 Concen: 9.183 ppbv
 RT: 18.60 min Scan# 4918
 Delta R.T. 0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.4	66.6
134	22.5	18.0	27.0





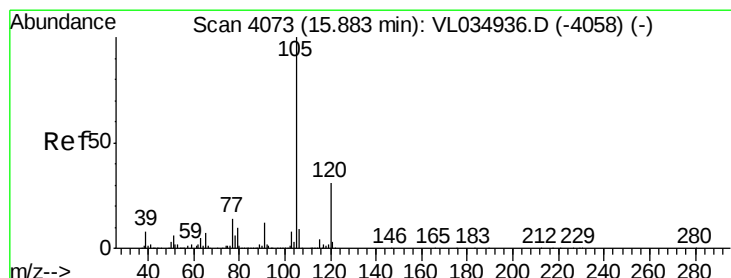
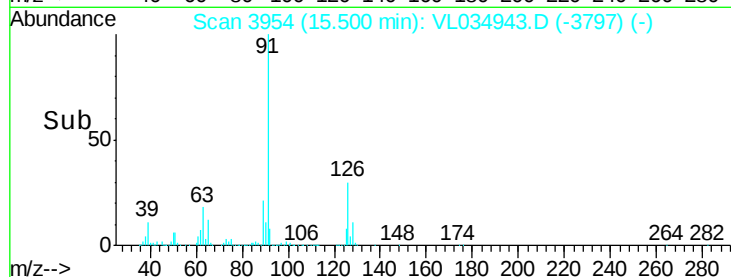
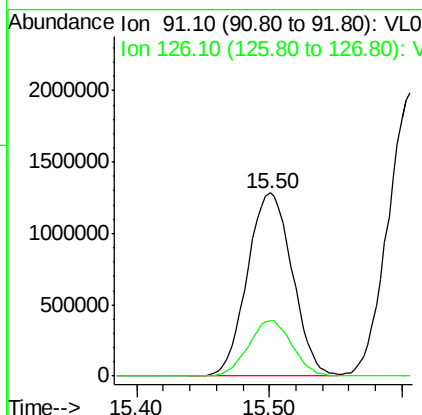
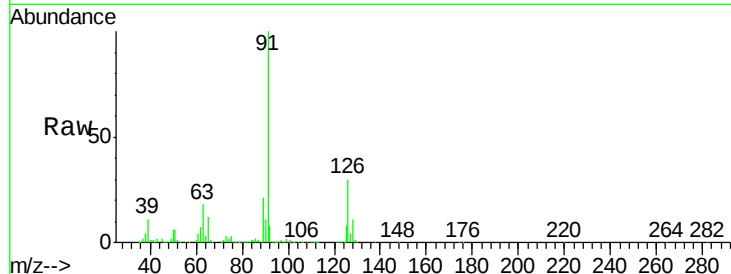
#71
2-Chlorotoluene
Concen: 9.100 ppbv
RT: 15.50 min Scan# 3954
Delta R.T. 0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050620

Tot Ion: 91 Resp: 3029859
Ion Ratio Lower Upper
91 100
126 29.6 12.0 47.8

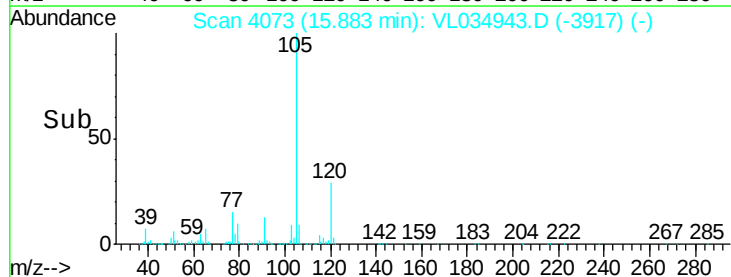
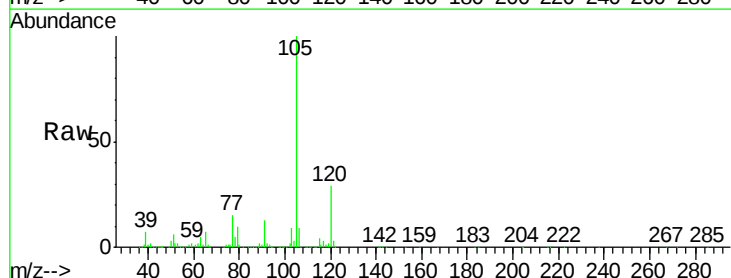
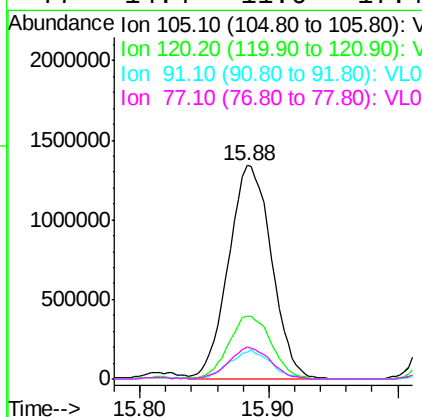
Manual Integrations
APPROVED

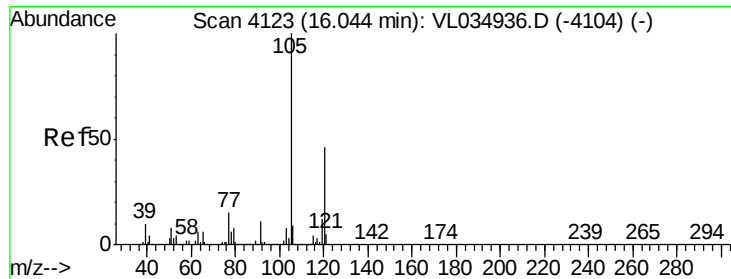
MMDadoda
5/7/2020 2:30:15 PM



#72
4-Ethyltoluene
Concen: 9.400 ppbv
RT: 15.88 min Scan# 4073
Delta R.T. -0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Tgt Ion:105 Resp: 3098153
Ion Ratio Lower Upper
105 100
120 29.7 23.8 35.8
91 13.0 10.6 15.8
77 14.4 11.6 17.4





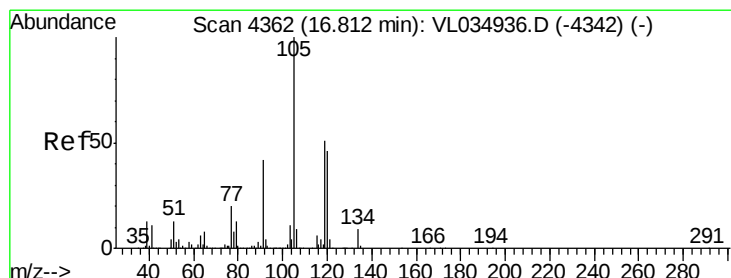
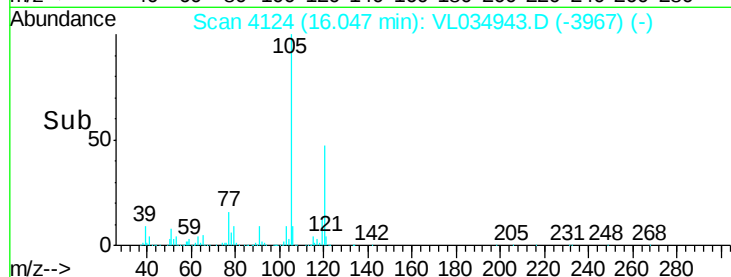
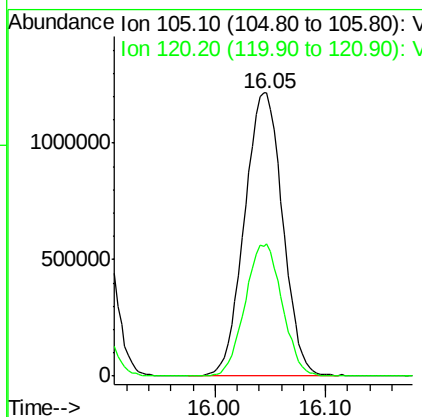
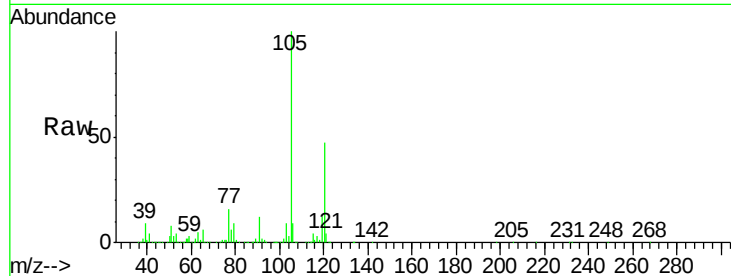
#73
 1,3,5-Trimethylbenzene
 Concen: 9.067 ppbv
 RT: 16.05 min Scan# 4124
 Delta R.T. 0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050620

Tot Ion:105 Resp: 2908159
 Ion Ratio Lower Upper
 105 100
 120 46.6 36.4 54.6

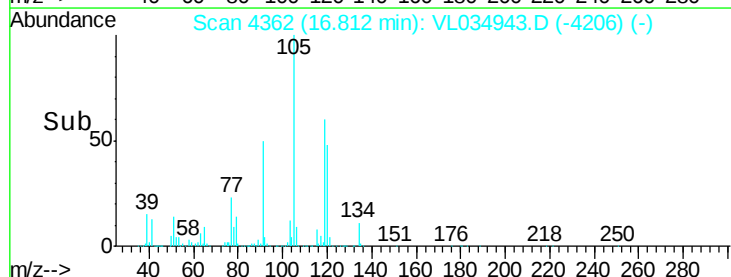
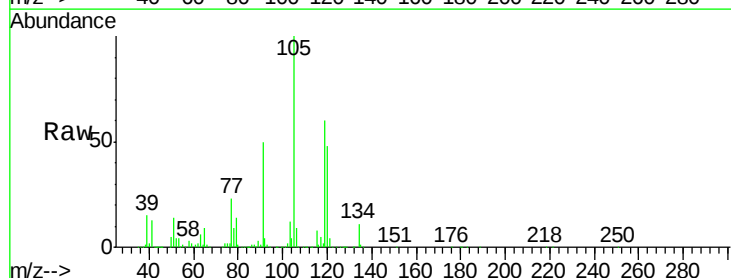
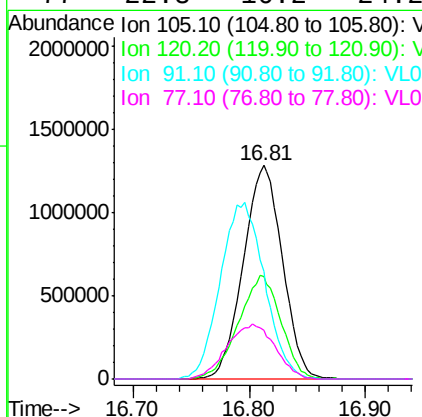
Manual Integrations
 APPROVED

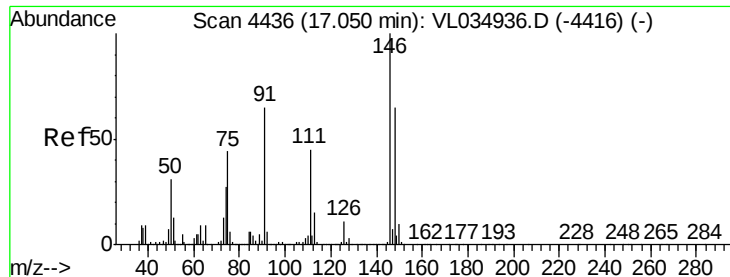
MMDadoda
 5/7/2020 2:30:15 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 8.584 ppbv
 RT: 16.81 min Scan# 4362
 Delta R.T. -0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Tgt Ion:105 Resp: 3005364
 Ion Ratio Lower Upper
 105 100
 120 48.0 36.8 55.2
 91 50.1 35.4 53.0
 77 22.8 16.2 24.2





#75

1,3-Dichlorobenzene

Concen: 8.566 ppbv

RT: 17.05 min Scan# 4436

Delta R.T. -0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

Instrument :

MSVOA_L

ClientSampleId :

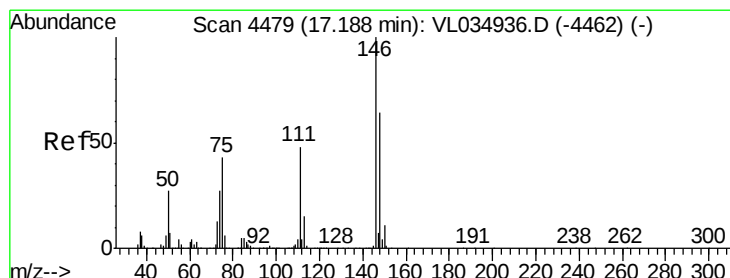
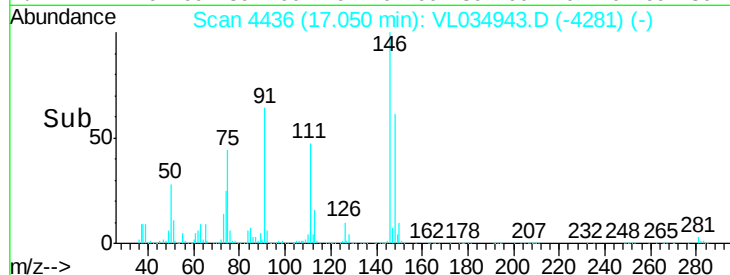
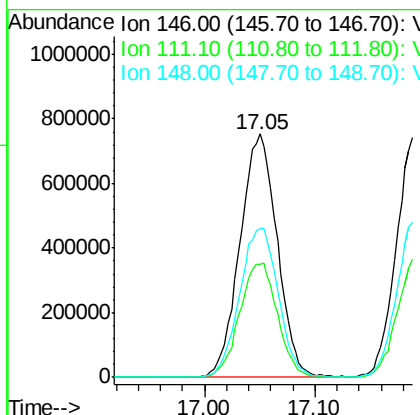
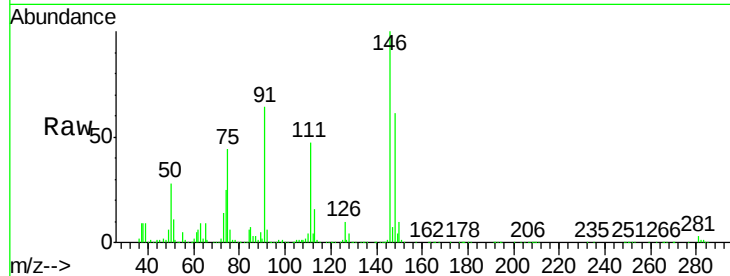
ICVVL050620

Tot Ion:146 Resp: 1760904

Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.0	72.0
148	63.8	32.6	97.7

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#76

1,4-Dichlorobenzene

Concen: 9.027 ppbv

RT: 17.19 min Scan# 4480

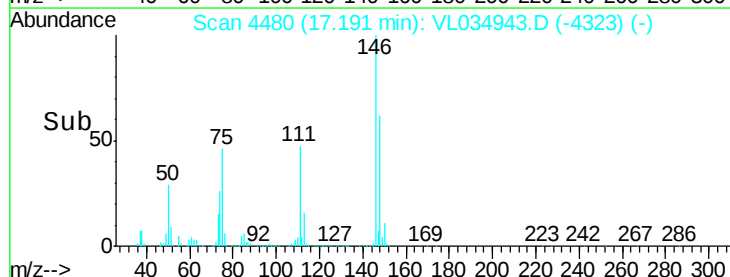
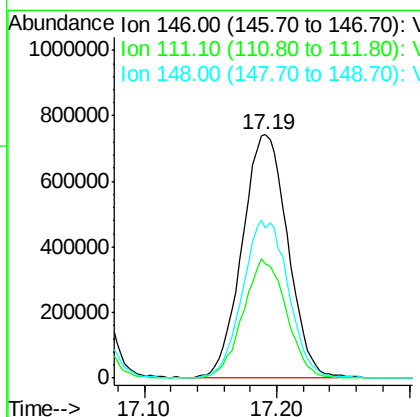
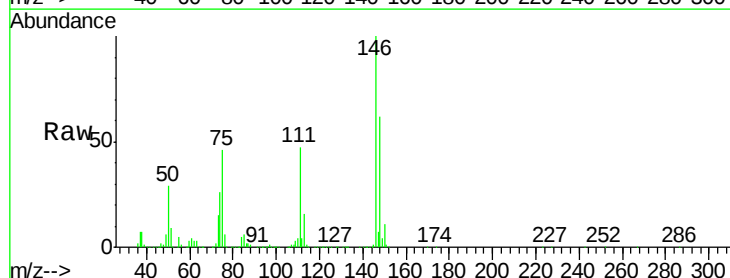
Delta R.T. 0.00 min

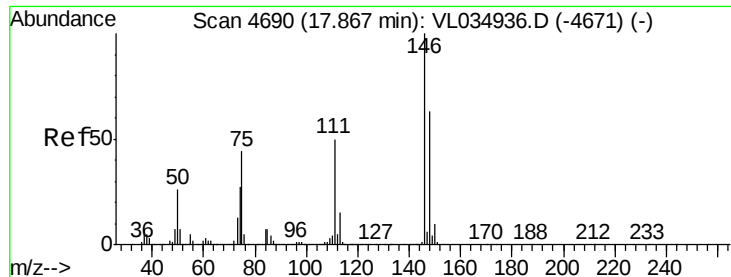
Lab File: VL034943.D

Acq: 6 May 2020 14:42

Tgt Ion:146 Resp: 1763239

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.7	71.1
148	65.7	32.6	97.8





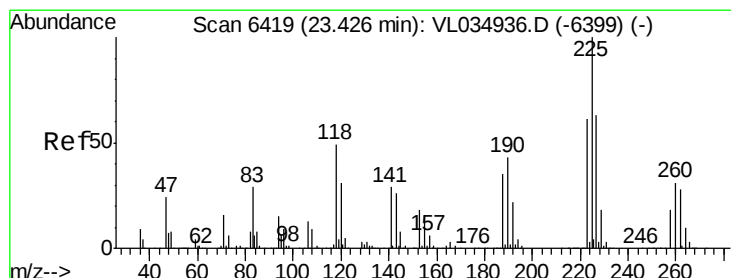
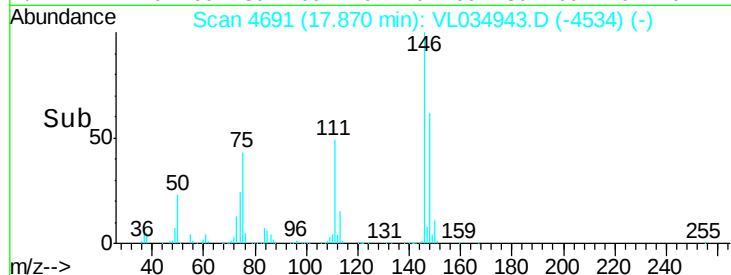
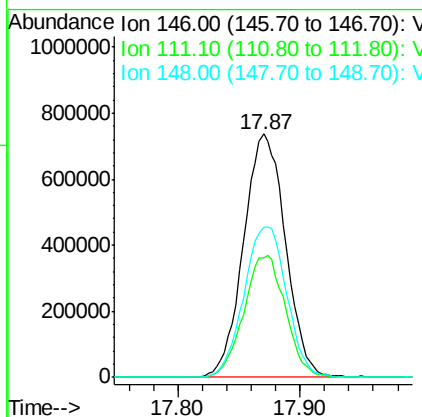
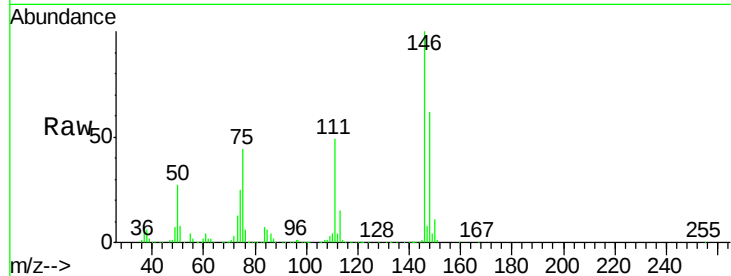
#77
 1,2-Dichlorobenzene
 Concen: 8.995 ppbv
 RT: 17.87 min Scan# 4691
 Delta R.T. 0.00 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050620

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.9	24.5	73.5
148	63.7	31.7	95.1

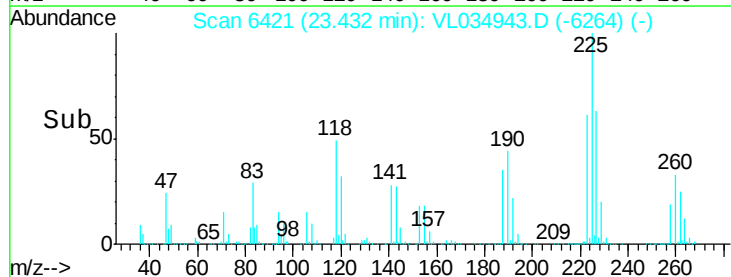
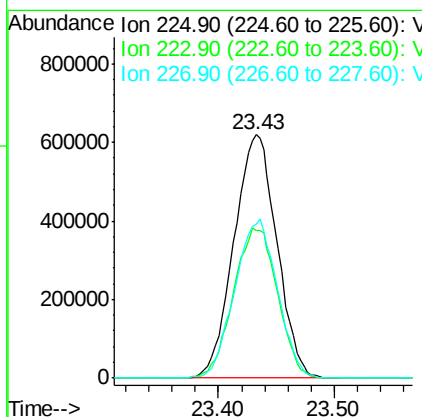
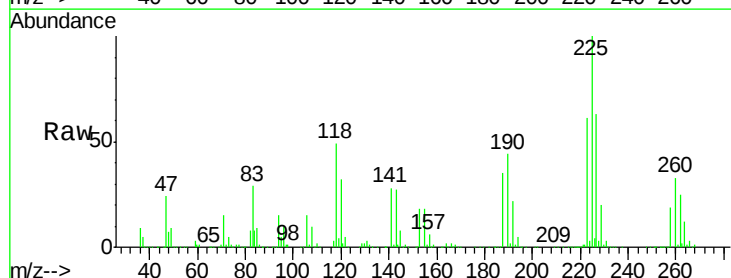
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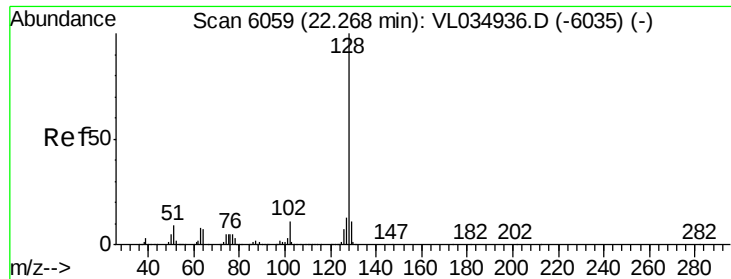
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.600 ppbv
 RT: 23.43 min Scan# 6421
 Delta R.T. 0.01 min
 Lab File: VL034943.D
 Acq: 6 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.8	74.8
227	64.8	51.8	77.6





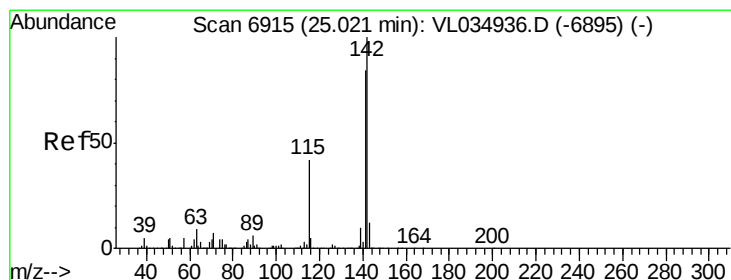
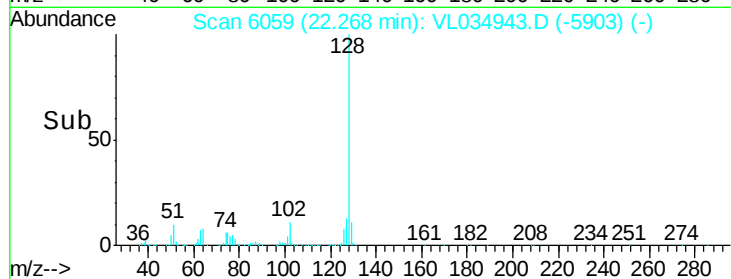
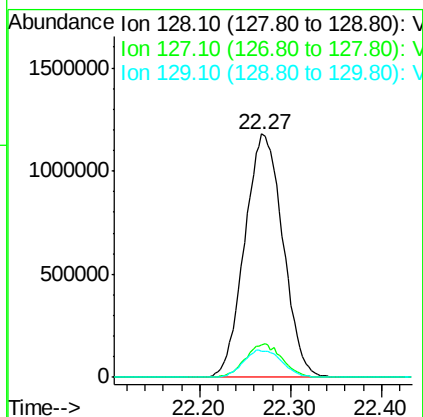
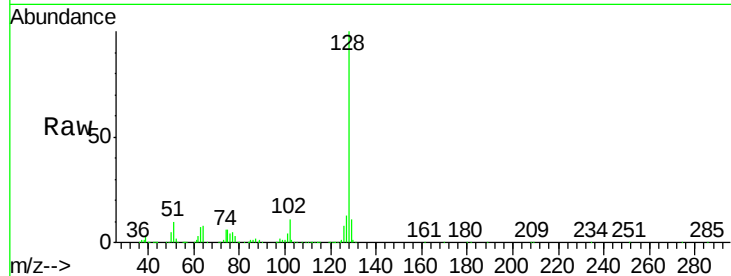
#79
Naphthalene
Concen: 12.614 ppbv
RT: 22.27 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050620

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	10.7	9.0	13.4

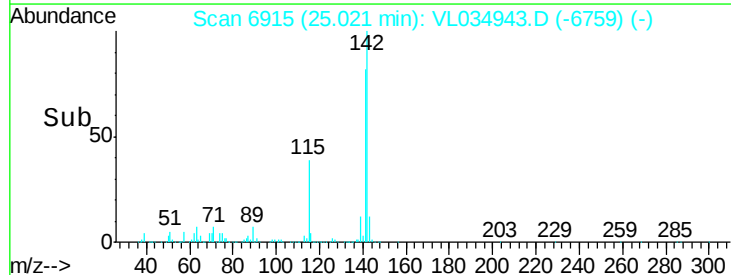
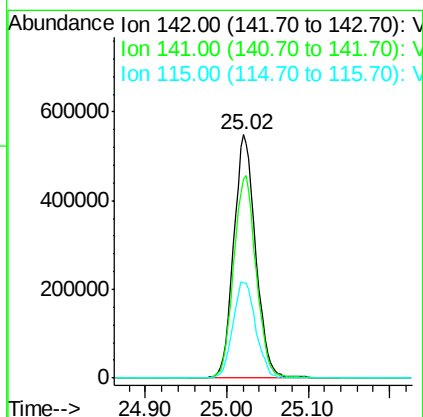
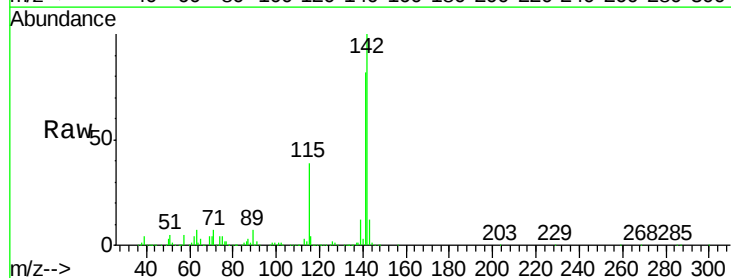
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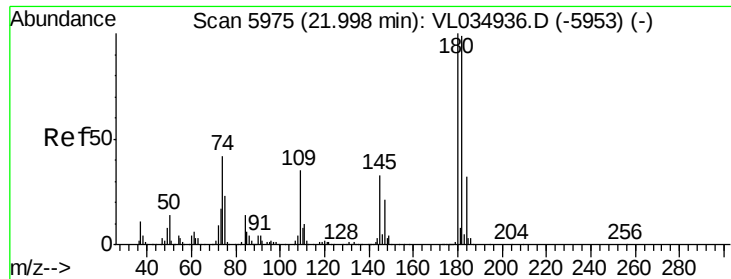
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#80
Naphthalene, 2-methyl-
Concen: 15.463 ppbv
RT: 25.02 min Scan# 6915
Delta R.T. -0.00 min
Lab File: VL034943.D
Acq: 6 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.0	68.6	102.8
115	41.2	33.9	50.9





#81

1,2,4-Trichlorobenzene

Concen: 10.928 ppbv

RT: 22.00 min Scan# 5975

Delta R.T. -0.00 min

Lab File: VL034943.D

Acq: 6 May 2020 14:42

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050620

Tot Ion:180 Resp: 1806663

Ion Ratio Lower Upper

180 100

182 96.2 77.5 116.3

184 31.3 24.8 37.2

Manual Integrations
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