

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050720\
 Data File : VL034982.D
 Acq On : 8 May 2020 00:27
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 5:22:58 PM

Quant Time: May 08 09:27:34 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	5.67	49	1077150	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2492952	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2495012	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1981678	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1741174	11.389	ppbv 99
3) Chlorodifluoromethane	2.95	51	1080284	8.784	ppbv 99
4) Chloromethane	3.11	50	636104	9.025	ppbv 95
5) Vinyl Chloride	3.22	62	622562	9.055	ppbv 100
6) Bromomethane	3.44	94	369319	8.996	ppbv 96
7) Chloroethane	3.53	64	228833	9.267	ppbv # 89
8) Dichlorotetrafluoroethane	3.15	85	1414628	8.941	ppbv 100
9) Propene	2.97	41	481717	9.027	ppbv 97
10) Heptane	8.14	43	1358046	10.158	ppbv 99
11) Trichlorofluoromethane	3.92	101	1431512	9.081	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1006599	8.968	ppbv 98
13) Ethanol	3.58	45	98626	5.601	ppbv 99
14) Bromoethene	3.71	108	436935	9.420	ppbv 98
15) Acetone	3.83	43	1126916	7.914	ppbv 98
16) 1,3-Butadiene	3.29	39	677354	11.053	ppbv 85
17) tert-Butyl alcohol	4.28	59	635211	5.013	ppbv 98
18) 1,1-Dichloroethene	4.27	96	470295	9.658	ppbv 93
19) Isopropyl Alcohol	3.94	45	551950	5.812	ppbv 99
20) Methylene Chloride	4.32	84	410026	8.698	ppbv 92
21) Allyl Chloride	4.39	41	769959	9.572	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	444702	9.219	ppbv 94
23) Vinyl Acetate	5.07	43	1677097	9.288	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1272525	9.149	ppbv 100
25) Ethyl Acetate	5.67	43	2200336	9.199	ppbv 100
26) Hexane	5.68	57	1001251	9.655	ppbv 97
27) Carbon Disulfide	4.54	76	1122577	9.184	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1422813	9.009	ppbv 99
29) Chloroform	5.75	83	1548259	9.125	ppbv 99
30) Cyclohexane	7.14	84	836657	10.455	ppbv 98
31) cis-1,2-Dichloroethene	5.55	61	998715	9.871	ppbv 97
32) 1,1,1-Trichloroethane	6.52	97	1480568	9.662	ppbv 99
34) 2-Butanone	5.24	43	1443931	9.319	ppbv 99
35) Carbon Tetrachloride	7.03	117	1542992	9.806	ppbv 98
36) Benzene	6.90	78	1967387	9.572	ppbv 98
37) 1,2-Dichloroethane	6.31	62	1203775	9.495	ppbv 99
38) Trichloroethene	7.85	130	743802	9.341	ppbv 97
39) 1,2-Dichloropropane	7.63	63	800108	9.711	ppbv 96
40) 1,4-Dioxane	7.84	88	234902m	7.014	ppbv
41) Tetrahydrofuran	6.05	42	812162	9.956	ppbv 99
42) Bromodichloromethane	7.81	83	1642989	9.609	ppbv 96
43) Methyl Methacrylate	8.03	69	883849	10.184	ppbv 97

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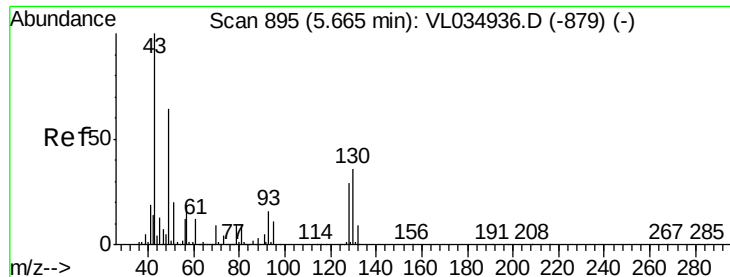
Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 5:22:58 PM

Quant Time: May 08 09:27:34 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)
44) 2,2,4-Trimethylpentane	7.88	57	3478776	9.520	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	924011	10.550	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1154145	10.733	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	824854	9.487	ppbv	98
48) Dibromochloromethane	10.34	129	1377905	10.305	ppbv	98
49) Bromoform	13.09	173	1215068	10.561	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2236747	10.124	ppbv	99
51) 2-Hexanone	10.16	43	1845938	10.682	ppbv	99
52) Tetrachloroethene	11.26	164	720869	9.864	ppbv	98
53) Toluene	9.83	91	2285238	10.488	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1251823	9.804	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.16	131	1010961	8.985	ppbv	99
57) Chlorobenzene	12.19	112	1765303	8.931	ppbv #	96
58) Ethyl Benzene	12.75	91	3133830	10.157	ppbv	100
59) m/p-Xylene	13.03	91	5136625m	18.923	ppbv	
60) o-Xylene	13.74	91	2575673	9.616	ppbv	100
61) Styrene	13.57	104	1801792	10.629	ppbv	99
62) Isopropylbenzene	14.71	105	3625706	9.066	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1883003	8.930	ppbv	100
64) n-propylbenzene	15.61	120	947535	9.237	ppbv	97
65) tert-Butylbenzene	16.79	119	3147387	9.074	ppbv	100
66) Benzyl Chloride	17.04	91	1076889	9.145	ppbv	97
67) sec-Butylbenzene	17.34	105	4531656	9.152	ppbv	99
69) p-Isopropyltoluene	17.71	119	3678994	9.184	ppbv	100
70) n-Butylbenzene	18.60	91	3888148	9.120	ppbv	99
71) 2-Chlorotoluene	15.50	91	2819668	9.340	ppbv	99
72) 4-Ethyltoluene	15.89	105	3016635	10.094	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	2845999	9.786	ppbv	100
74) 1,2,4-Trimethylbenzene	16.82	105	2909082	9.164	ppbv	96
75) 1,3-Dichlorobenzene	17.05	146	1668381	8.950	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1626806	9.185	ppbv	100
77) 1,2-Dichlorobenzene	17.88	146	1592328	9.066	ppbv	98
78) Hexachloro-1,3-Butadiene	23.44	225	1231004	8.222	ppbv	100
79) Naphthalene	22.27	128	2407975	9.740	ppbv	100
80) Naphthalene, 2-methyl-	25.02	142	526184	8.659	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1349078	8.999	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1077150

Ion Ratio Lower Upper

49 100

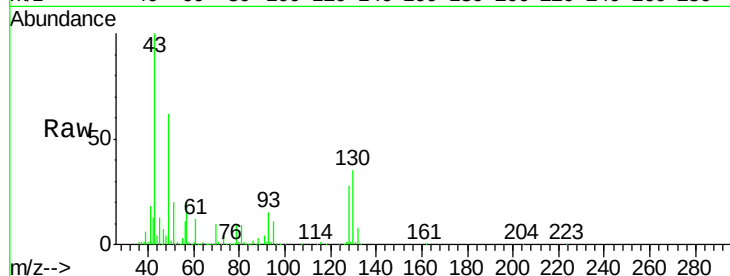
128 44.2 22.1 66.5

130 56.8 29.1 87.3

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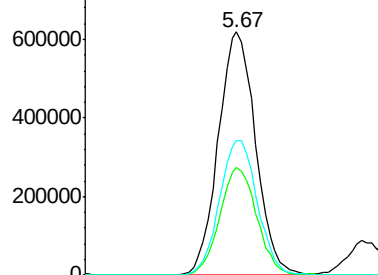
5/8/2020 5:22:58 PM



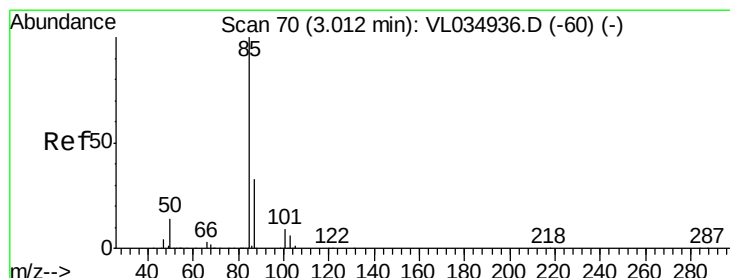
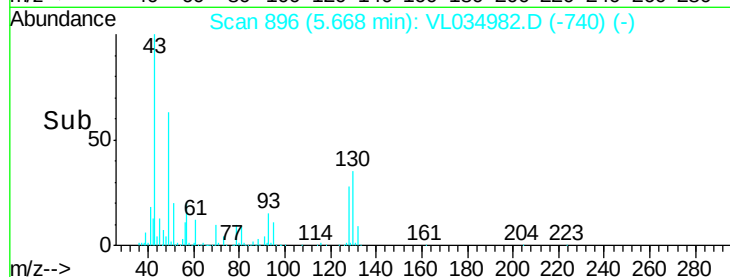
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 11.389 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL034982.D

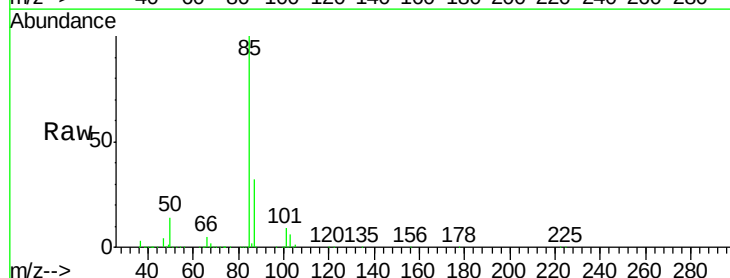
Acq: 8 May 2020 00:27

Tgt Ion: 85 Resp: 1741174

Ion Ratio Lower Upper

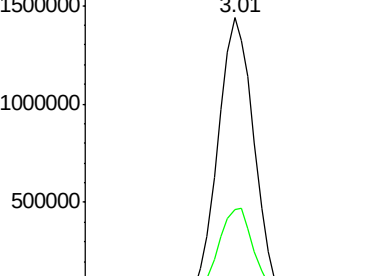
85 100

87 32.4 26.2 39.2

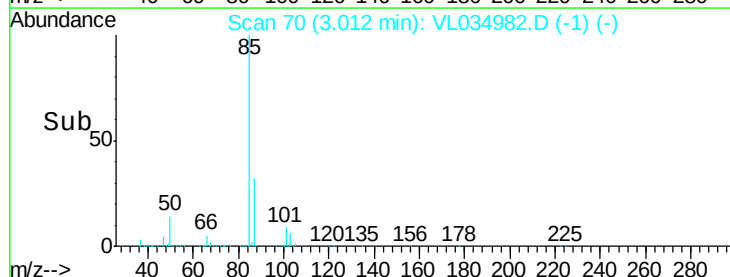


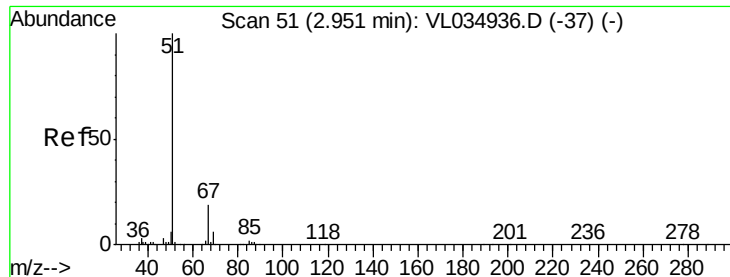
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->





#3

Chlorodifluoromethane

Concen: 8.784 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Tot Ion: 51 Resp: 1080284

Ion Ratio Lower Upper

51 100

67 19.2 15.0 22.6

Instrument :

MSVOA_L

ClientSampleId :

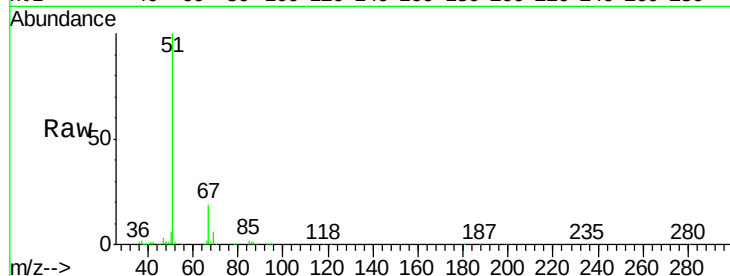
VSTDCCC010EC

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5/8/2020 5:22:58 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1000000

800000

600000

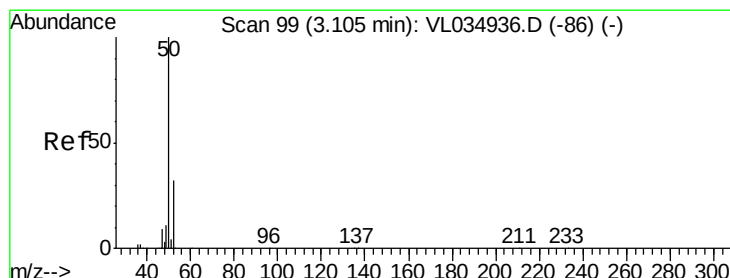
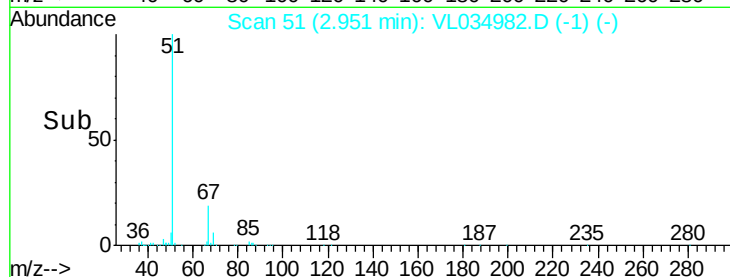
400000

200000

0

2.85 2.90 2.95 3.00

Time-->



#4

Chloromethane

Concen: 9.025 ppbv

RT: 3.11 min Scan# 99

Delta R.T. -0.00 min

Lab File: VL034982.D

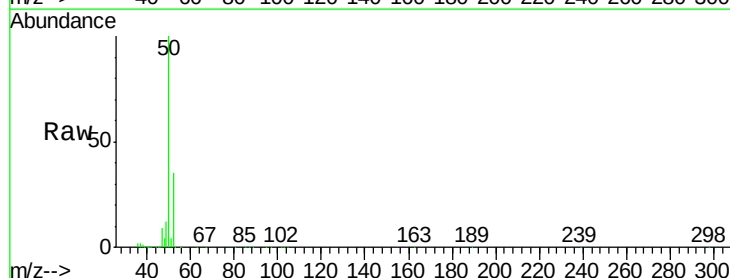
Acq: 8 May 2020 00:27

Tgt Ion: 50 Resp: 636104

Ion Ratio Lower Upper

50 100

52 34.7 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

400000

300000

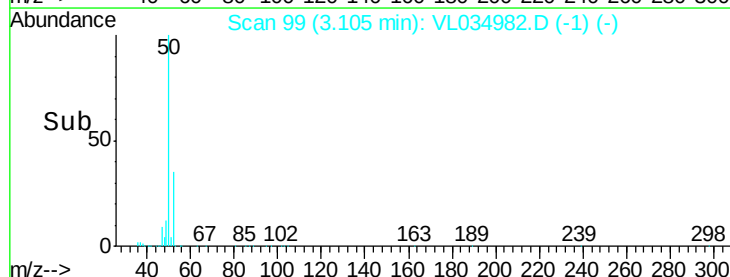
200000

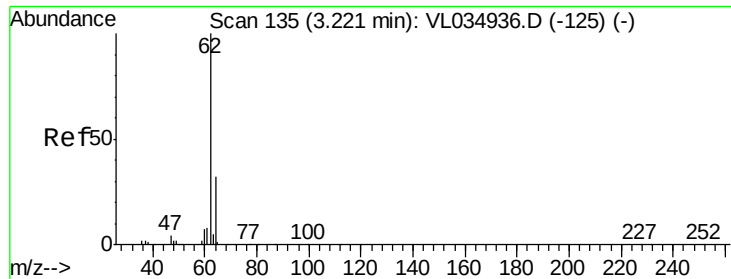
100000

0

3.05 3.10 3.15

Time-->





#5

Vinyl Chloride

Concen: 9.055 ppbv

RT: 3.22 min Scan# 135

Delta R.T. -0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 622562

Ion Ratio Lower Upper

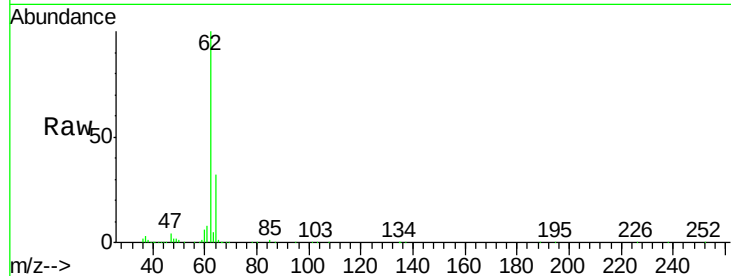
62 100

64 32.0 25.7 38.5

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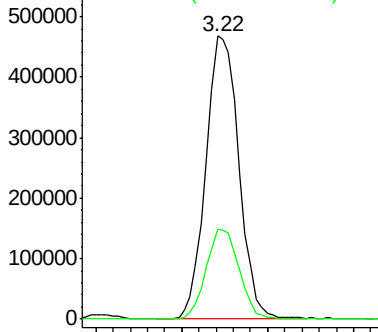
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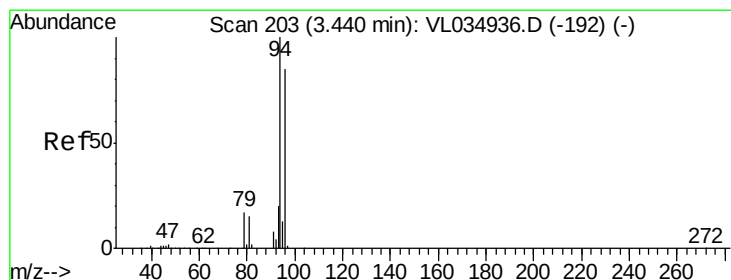
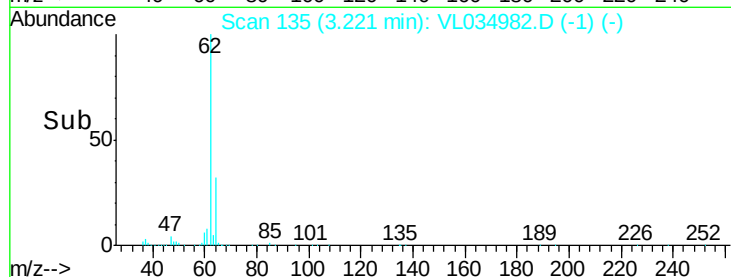


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->



#6

Bromomethane

Concen: 8.996 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.00 min

Lab File: VL034982.D

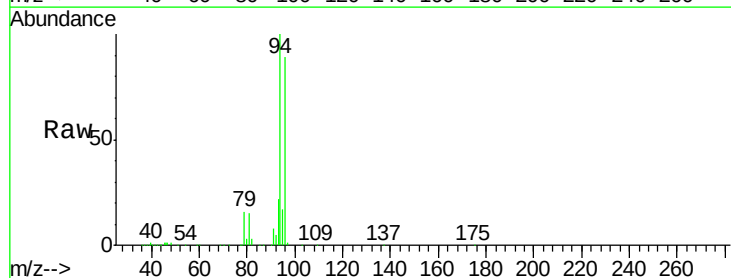
Acq: 8 May 2020 00:27

Tgt Ion: 94 Resp: 369319

Ion Ratio Lower Upper

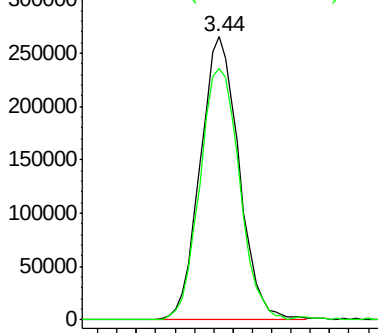
94 100

96 88.9 67.9 101.9

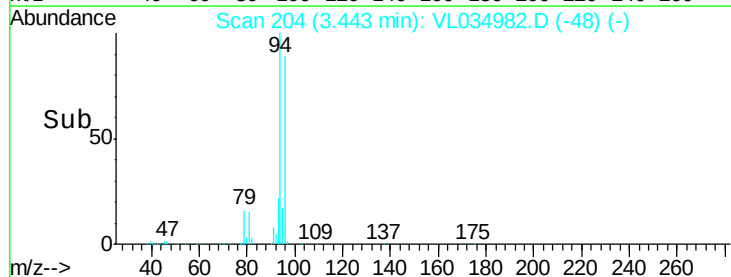


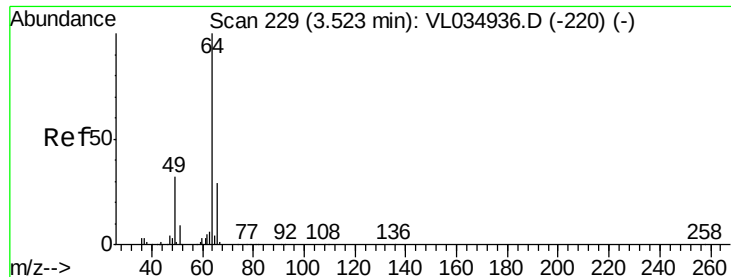
Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



Time-->





#7

Chloroethane

Concen: 9.267 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 228833

Ion Ratio Lower Upper

64 100

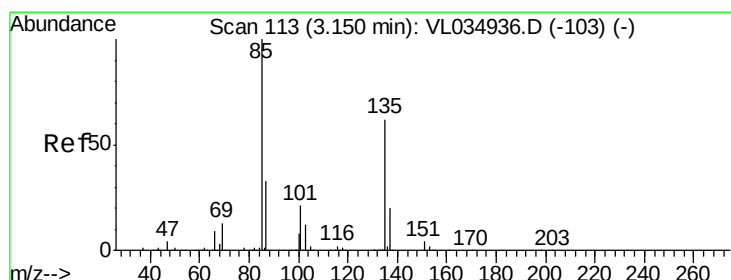
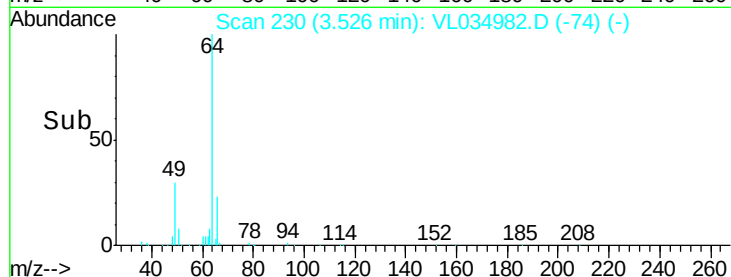
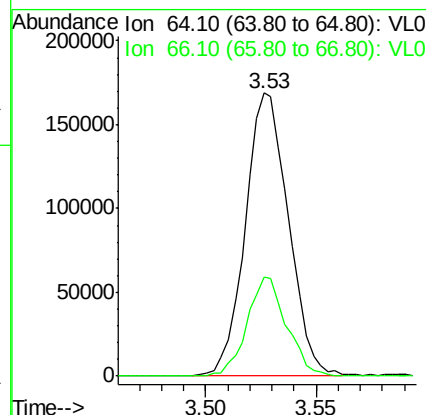
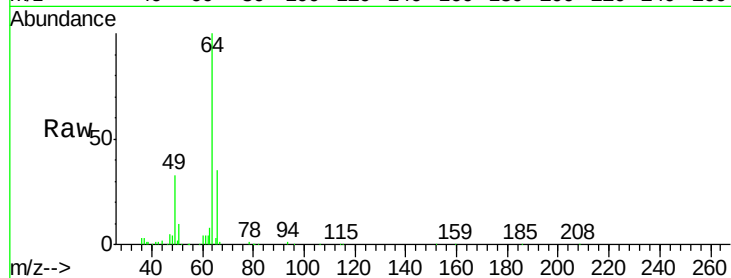
66 35.0 23.2 34.8#

Manual Integrations

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5/8/2020 5:22:58 PM



#8

Dichlorotetrafluoroethane

Concen: 8.941 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL034982.D

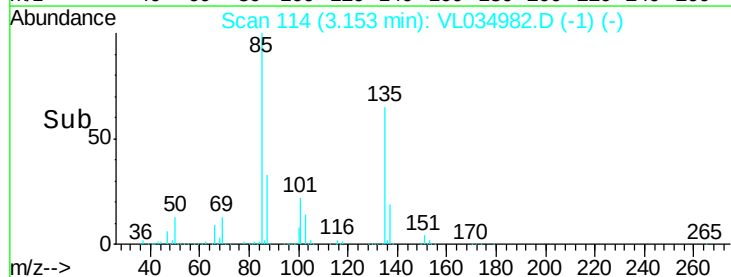
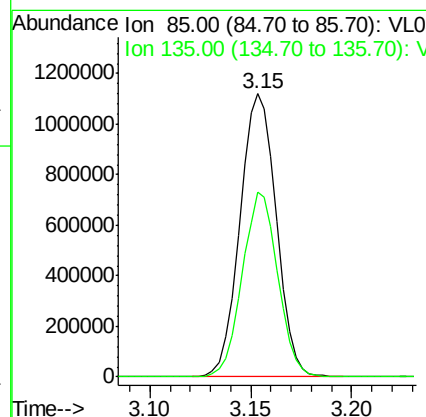
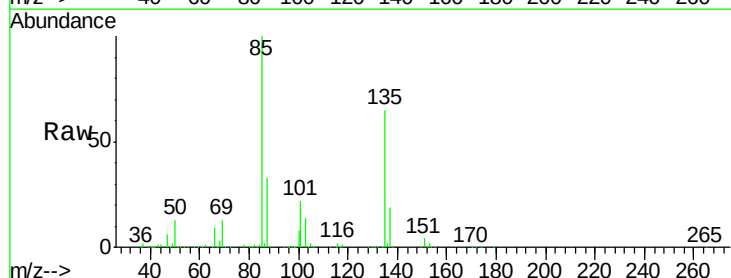
Acq: 8 May 2020 00:27

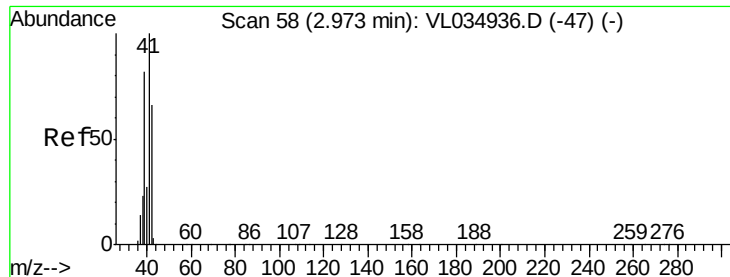
Tgt Ion: 85 Resp: 1414628

Ion Ratio Lower Upper

85 100

135 63.9 50.9 76.3





#9

Propene

Concen: 9.027 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 481717

Ion Ratio Lower Upper

41 100

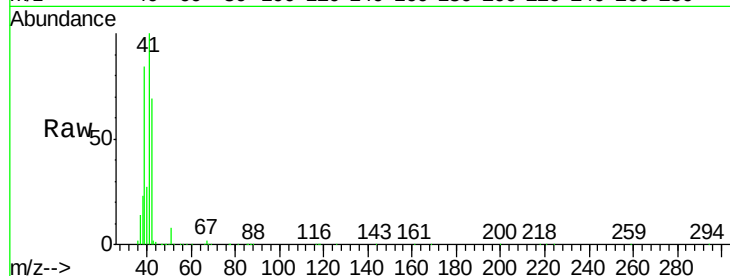
42 70.2 54.5 81.7

Manual Integrations

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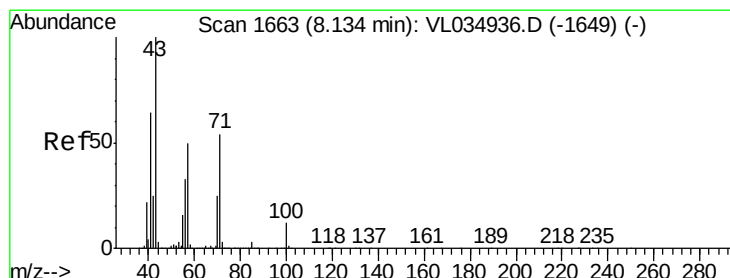
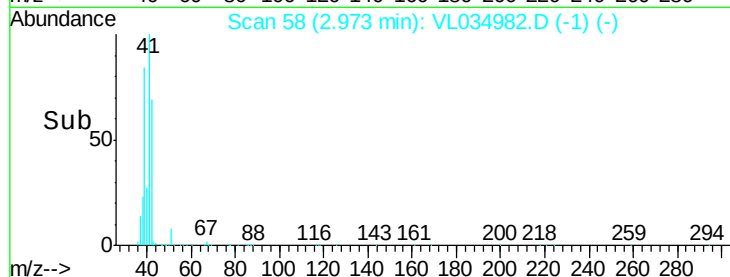
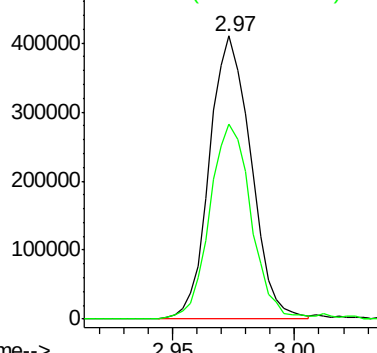
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5/8/2020 5:22:58 PM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.158 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL034982.D

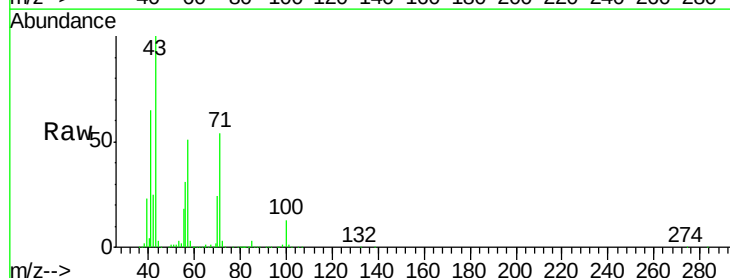
Acq: 8 May 2020 00:27

Tgt Ion: 43 Resp: 1358046

Ion Ratio Lower Upper

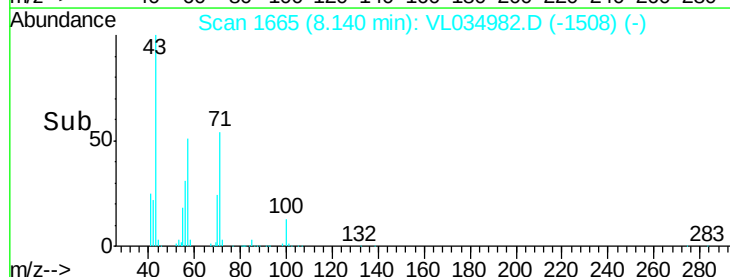
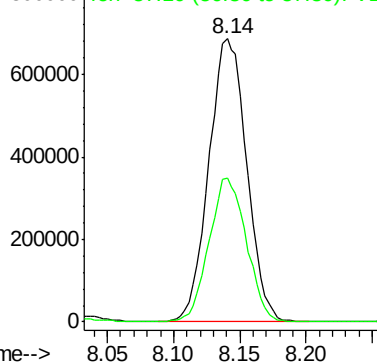
43 100

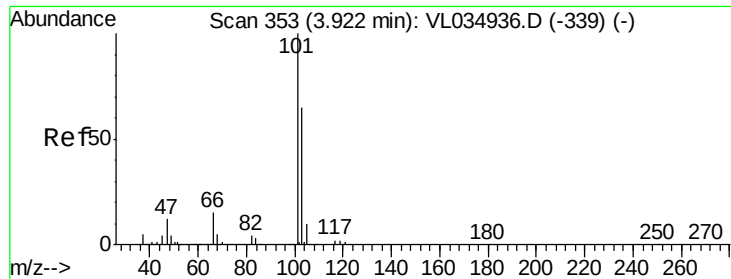
57 50.4 41.1 61.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





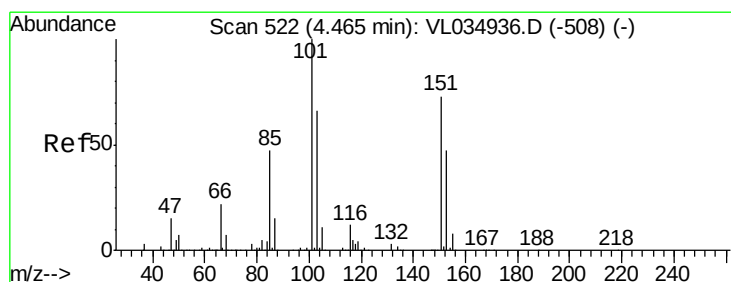
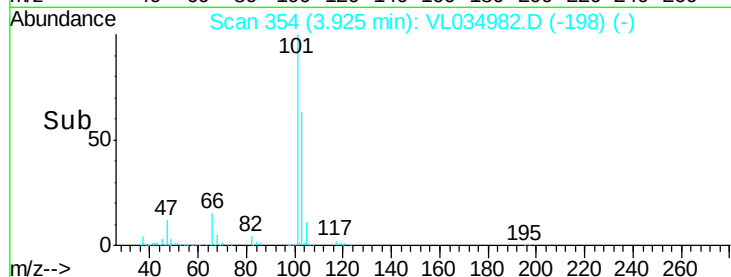
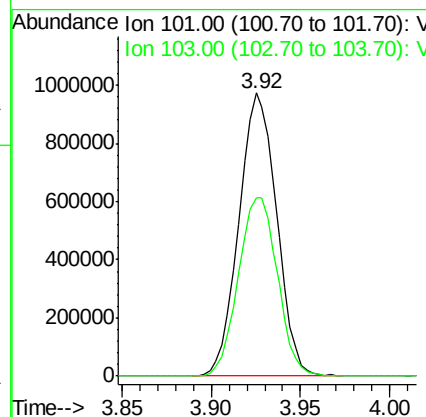
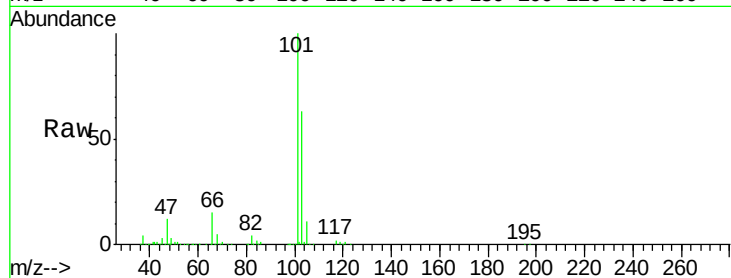
#11
 Trichlorofluoromethane
 Concen: 9.081 ppbv
 RT: 3.92 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1431512
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.9 77.9

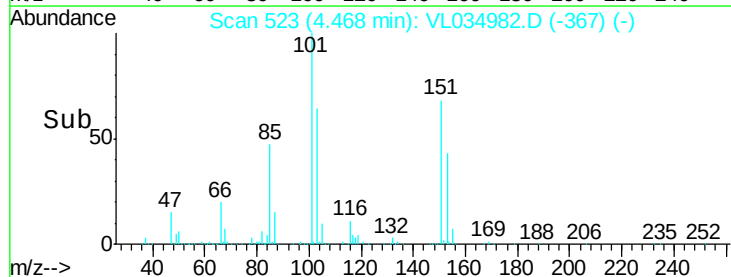
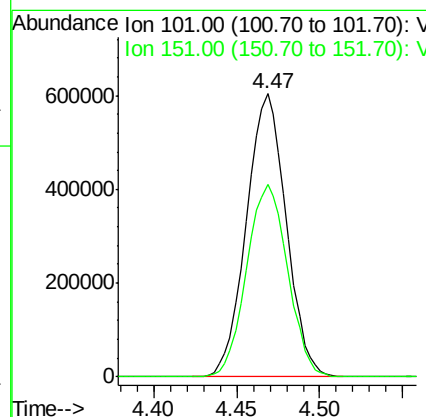
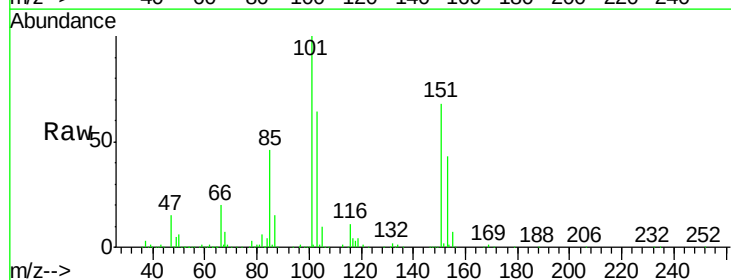
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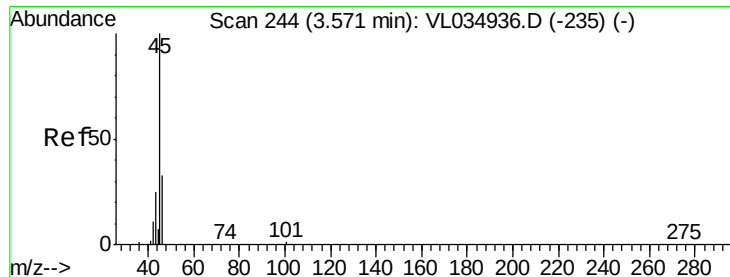
MMDadoda
 5/8/2020 5:22:58 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.968 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Tgt Ion:101 Resp: 1006599
 Ion Ratio Lower Upper
 101 100
 151 70.4 57.6 86.4





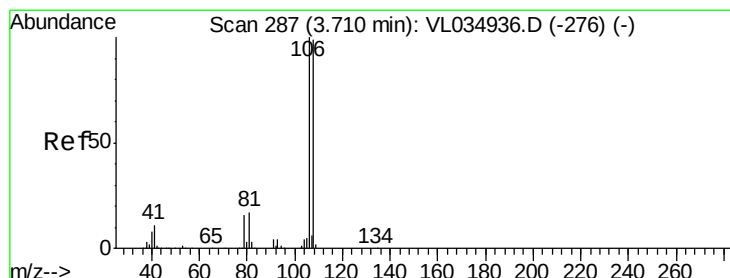
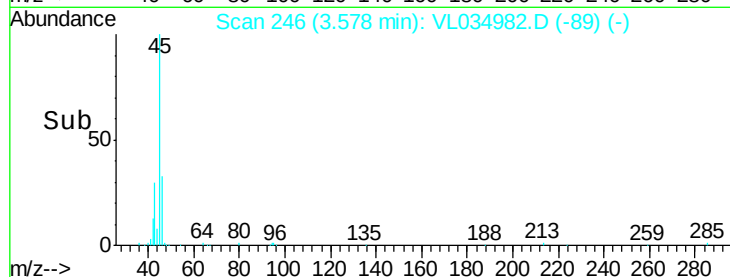
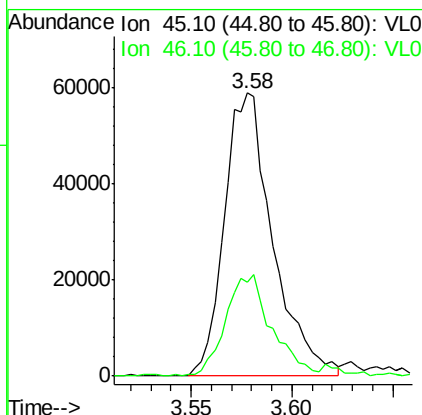
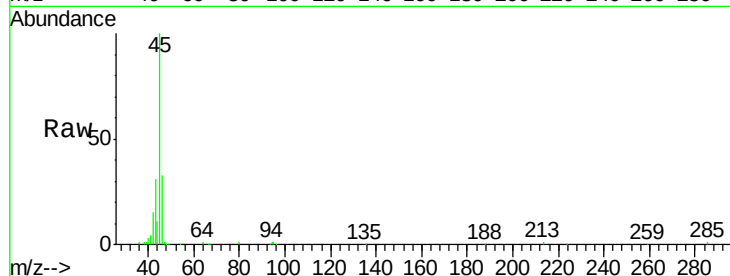
#13
Ethanol
Concen: 5.601 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.01 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	98626
Ion Ratio	100	Lower	Upper
45	100		
46	36.4	14.3	57.3

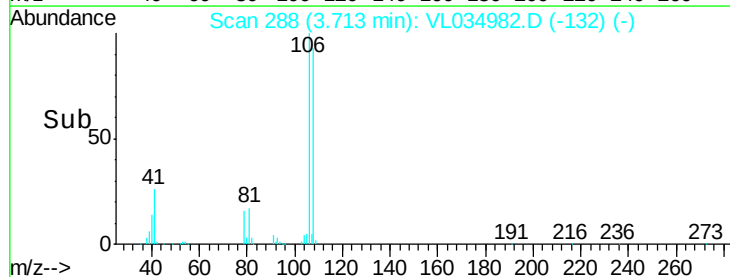
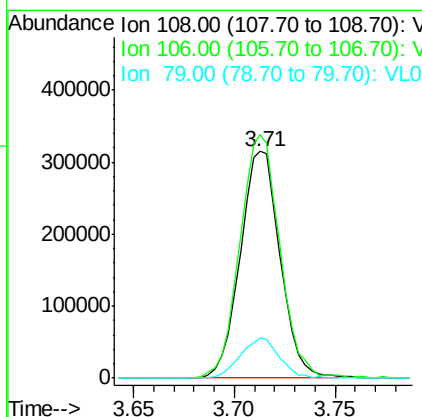
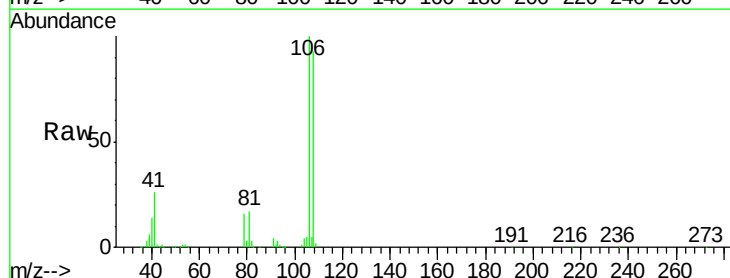
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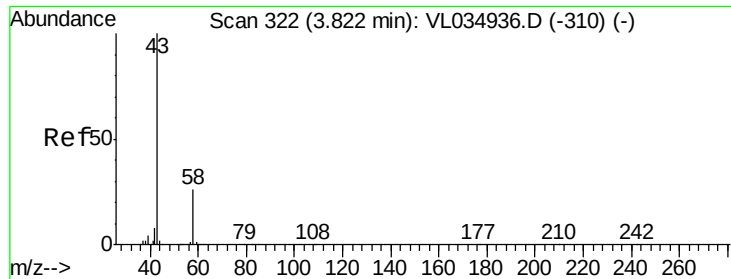
MMDadoda
5/8/2020 5:22:58 PM



#14
Bromoethene
Concen: 9.420 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Tgt Ion	108	Resp	436935
Ion Ratio	100	Lower	Upper
108	100		
106	108.0	84.9	127.3
79	17.7	14.1	21.1





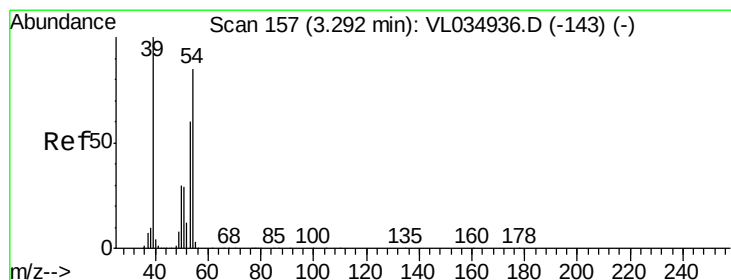
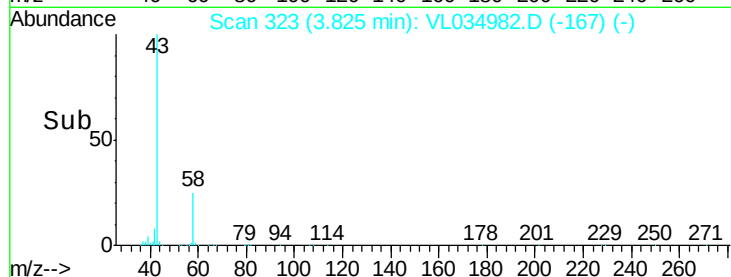
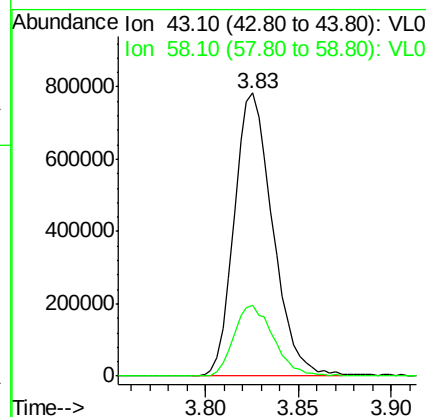
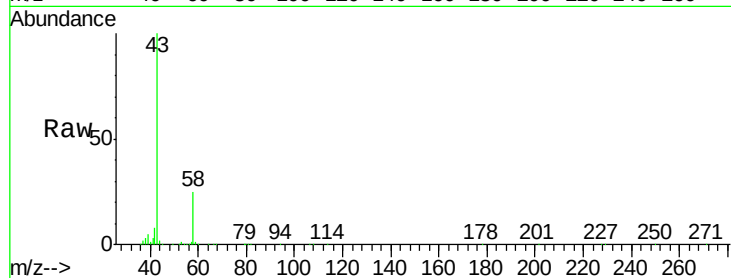
#15
Acetone
Concen: 7.914 ppbv
RT: 3.83 min Scan# 323
Delta R.T. 0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1126916
Ion Ratio Lower Upper
43 100
58 26.0 21.7 32.5

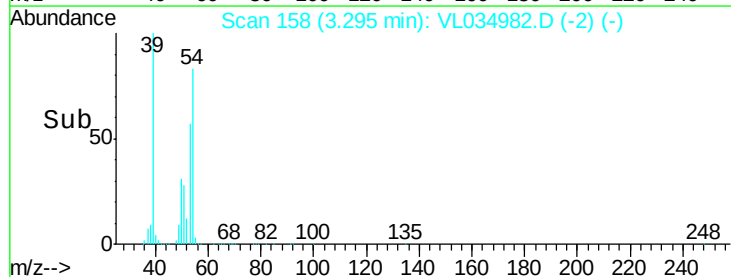
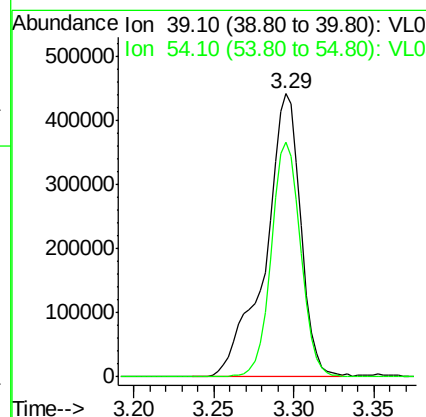
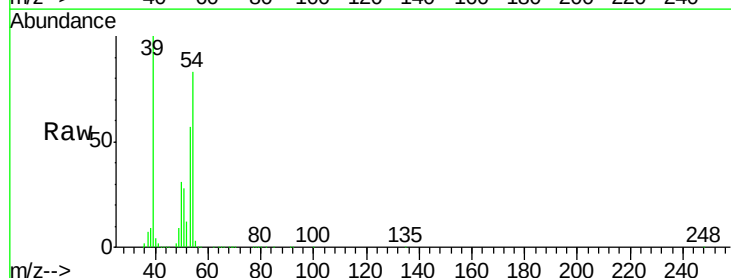
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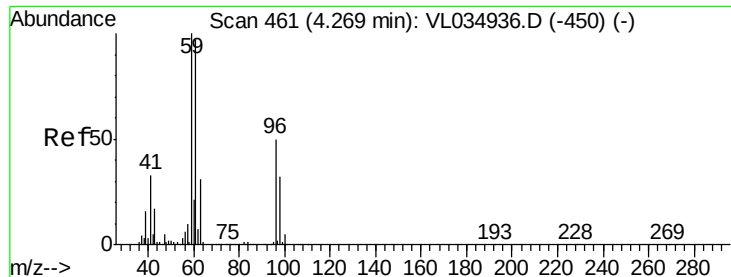
MMDadoda
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#16
1,3-Butadiene
Concen: 11.053 ppbv
RT: 3.29 min Scan# 158
Delta R.T. 0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Tgt Ion: 39 Resp: 677354
Ion Ratio Lower Upper
39 100
54 69.4 66.6 100.0





#17

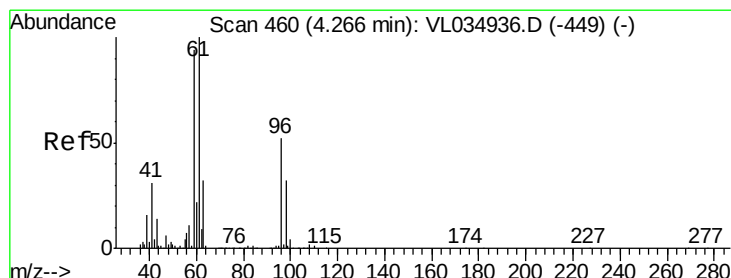
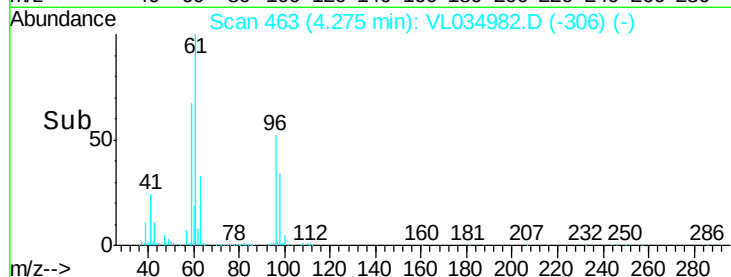
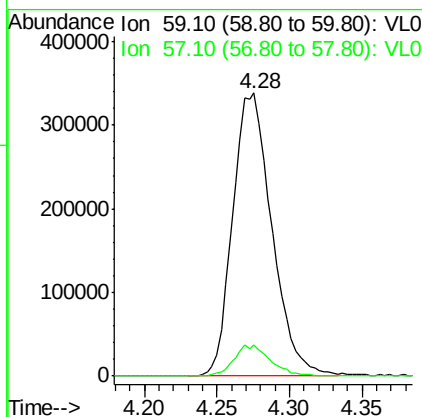
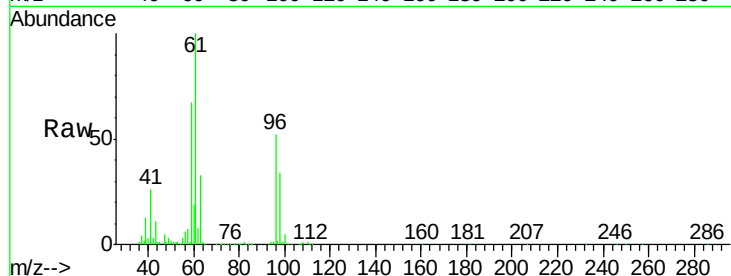
tert-Butyl alcohol
Concen: 5.013 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	59	Resp	635211
Ion Ratio	100	Lower	Upper
57	10.3	8.7	13.1

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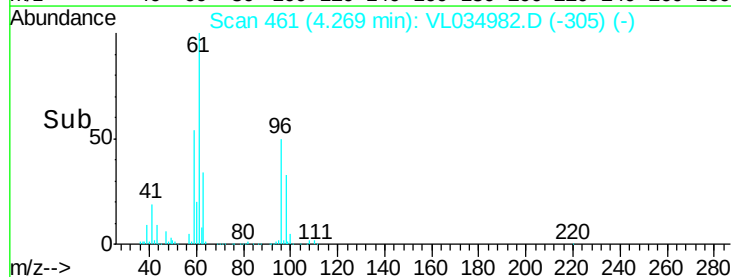
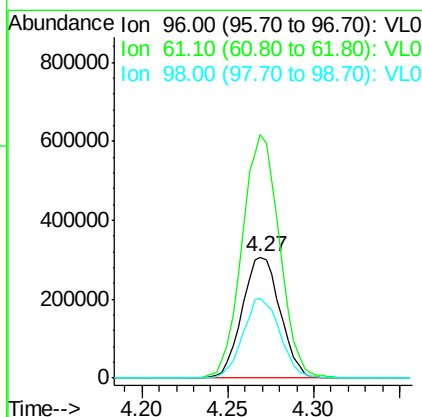
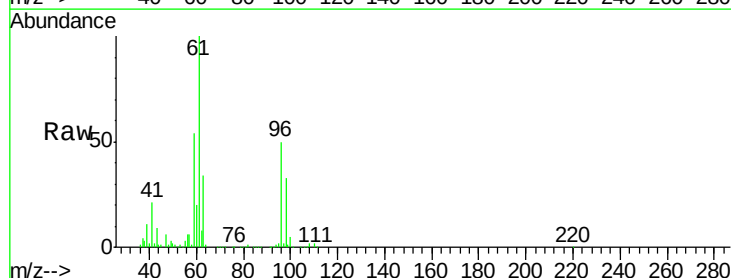
MMDadoda
5/8/2020 5:22:58 PM

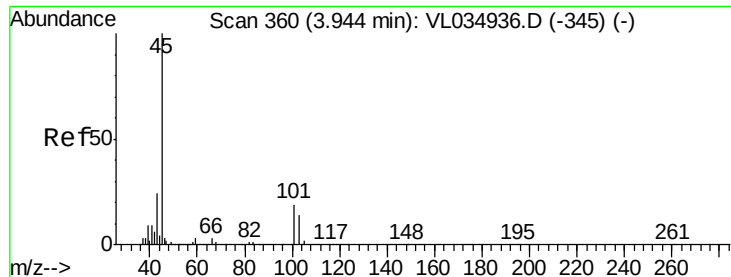


#18

1,1-Dichloroethene
Concen: 9.658 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Tgt Ion	96	Resp	470295
Ion Ratio	100	Lower	Upper
61	200.6	152.4	228.6
98	65.5	48.8	73.2





#19

Isopropyl Alcohol

Concen: 5.812 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Tot Ion: 45 Resp: 551950

Ion Ratio Lower Upper

45 100

58 2.4 1.7 2.5

Instrument :

MSVOA_L

ClientSampleId :

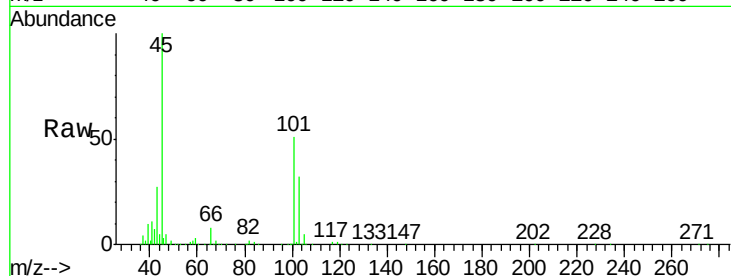
VSTDCCC010EC

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

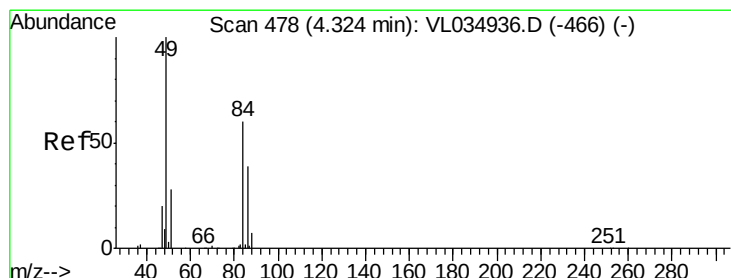
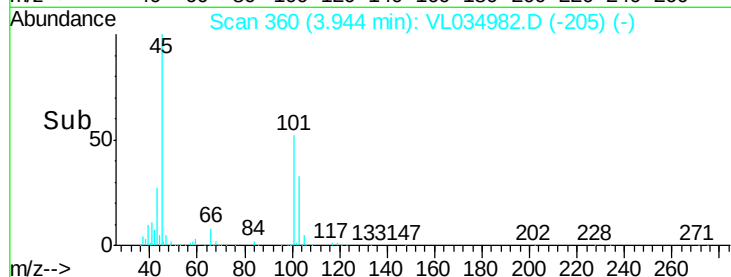
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.698 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Tgt Ion: 84 Resp: 410026

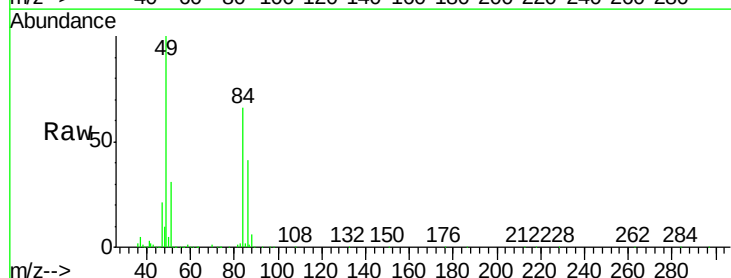
Ion Ratio Lower Upper

84 100

49 150.5 132.5 198.7

51 45.8 38.4 57.6

86 62.5 51.2 76.8



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

600000

500000

400000

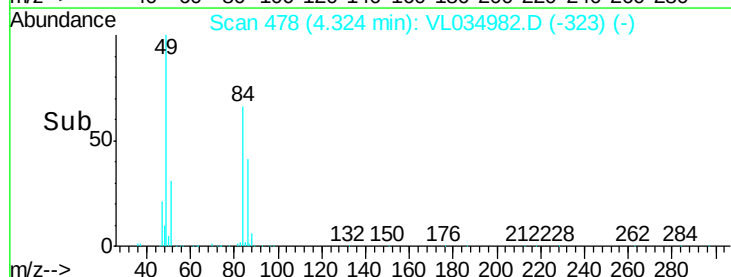
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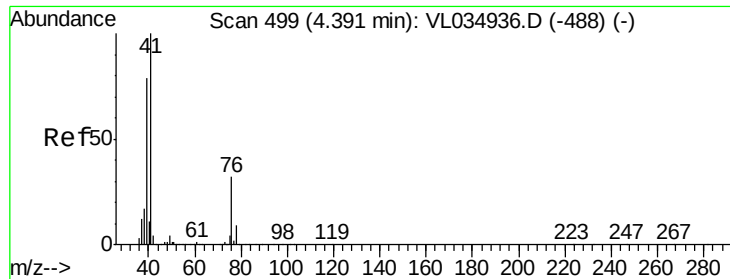
200000

100000

0

Time-->





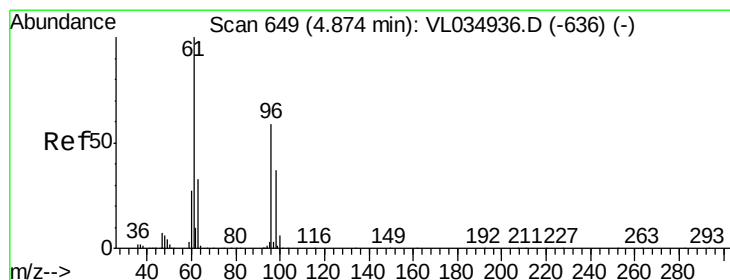
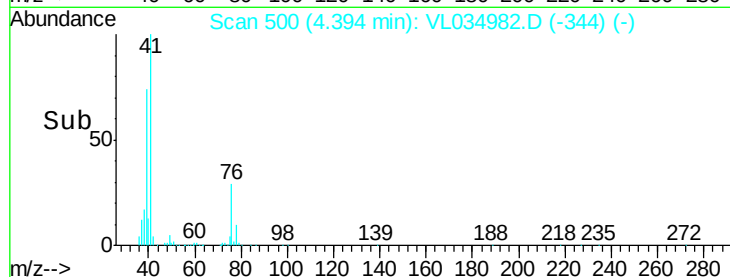
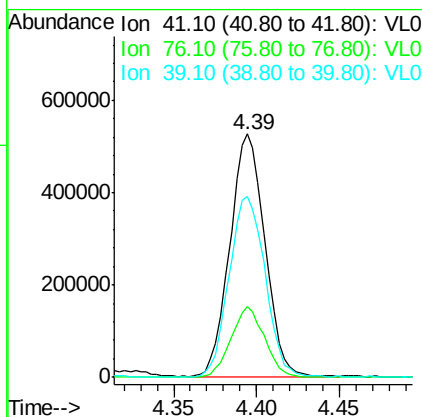
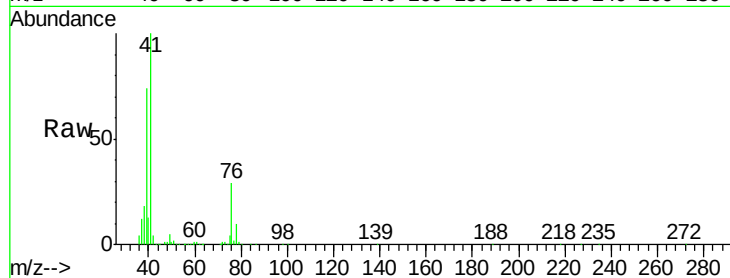
#21
 Allvl Chloride
 Concen: 9.572 ppbv
 RT: 4.39 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.1	23.6	35.4
39	76.8	61.9	92.9

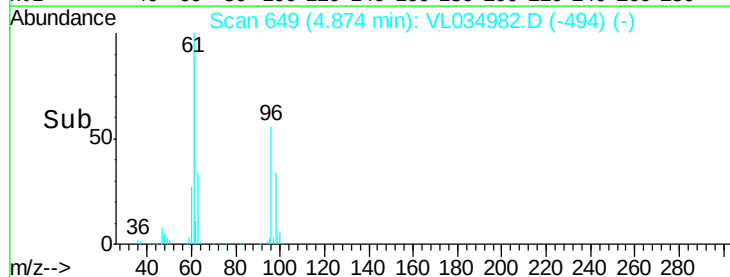
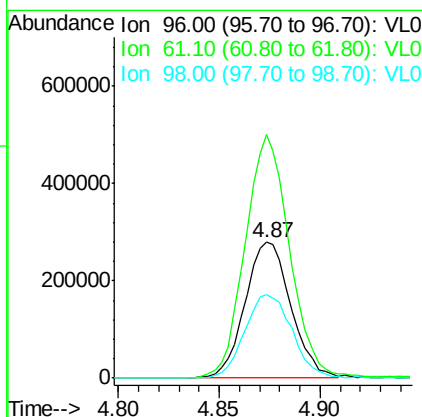
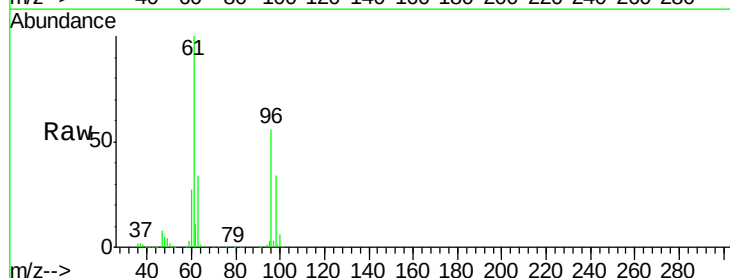
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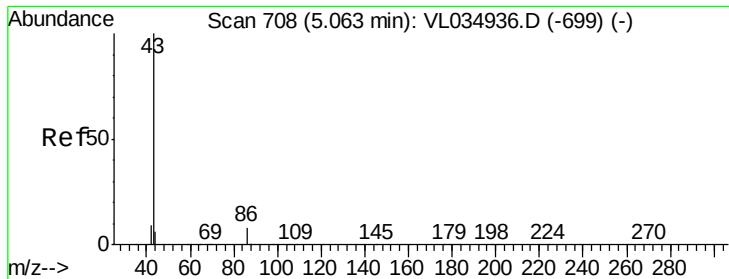
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#22
 trans-1,2-Dichloroethene
 Concen: 9.219 ppbv
 RT: 4.87 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.3	135.3	202.9
98	61.5	50.4	75.6





#23

Vinyl Acetate

Concen: 9.288 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Tot Ion: 43 Resp: 1677097

Ion Ratio Lower Upper

43 100

86 7.7 5.5 8.3

42 9.7 8.0 12.0

44 5.9 4.5 6.7

Instrument :

MSVOA_L

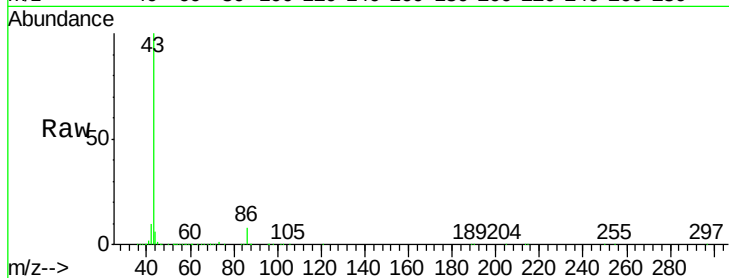
ClientSampleId :

VSTDCCC010EC

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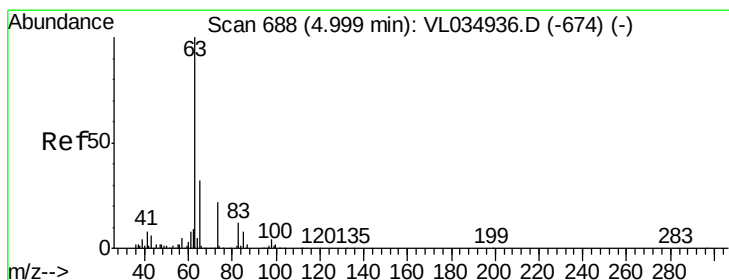
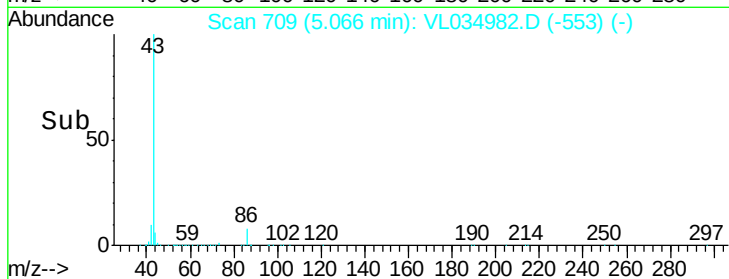
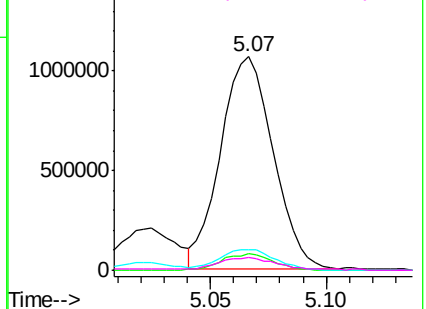


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.149 ppbv

RT: 5.00 min Scan# 689

Delta R.T. 0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

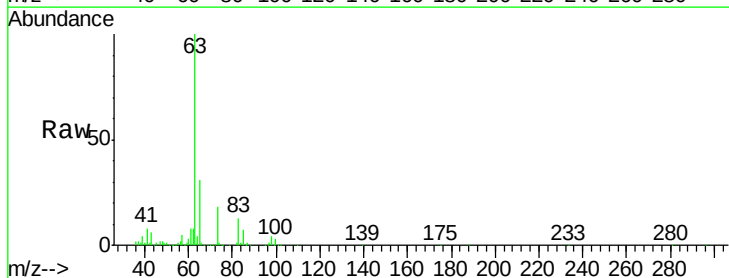
Tgt Ion: 63 Resp: 1272525

Ion Ratio Lower Upper

63 100

98 4.0 2.0 6.0

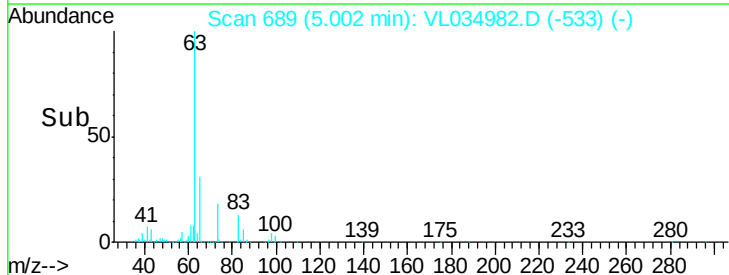
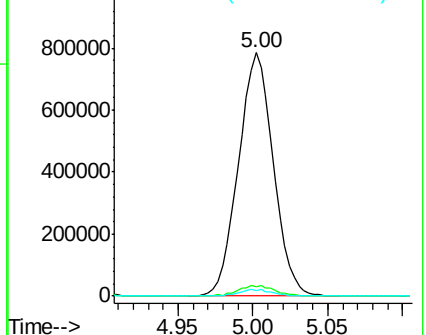
100 2.5 1.1 3.5

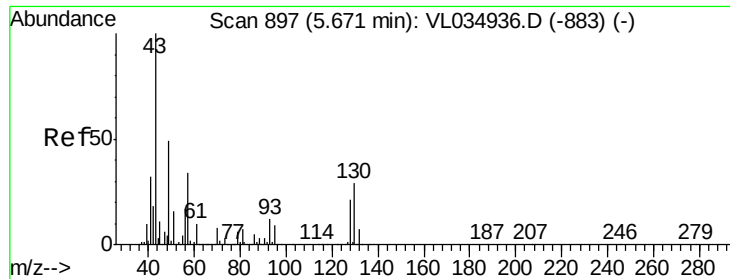


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





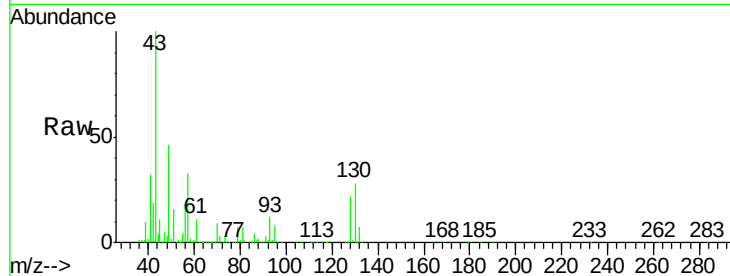
#25
Ethyl Acetate
Concen: 9.199 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

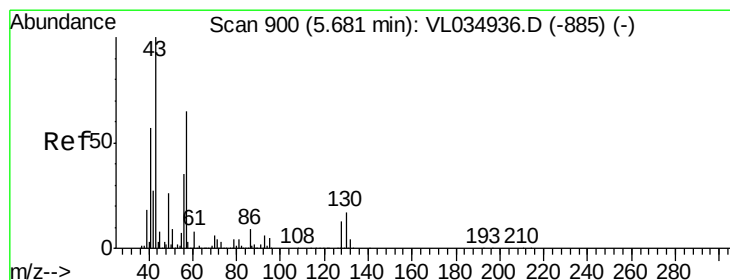
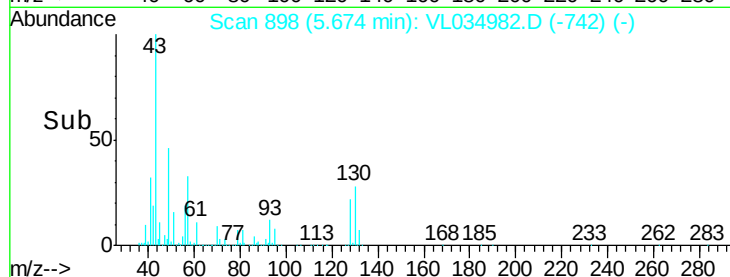
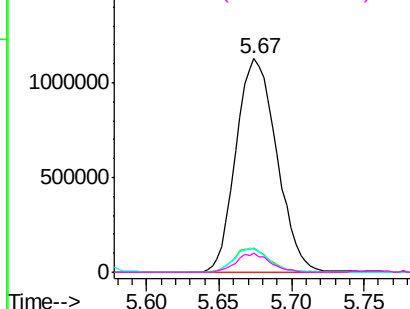
Tot Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	9.7	7.8	11.8
70	7.5	6.0	9.0

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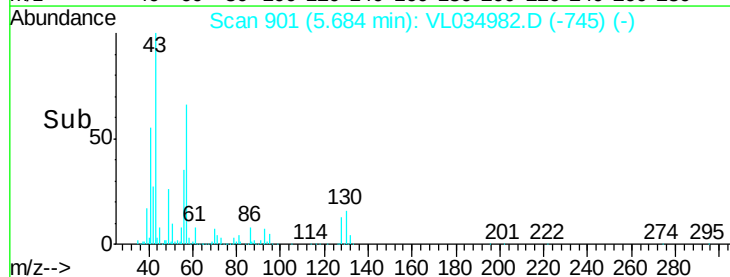
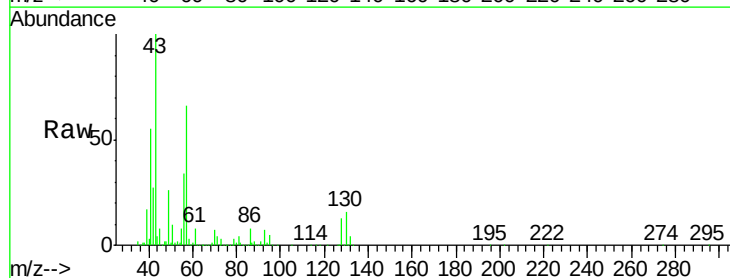
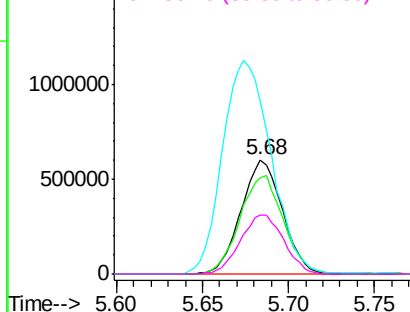
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

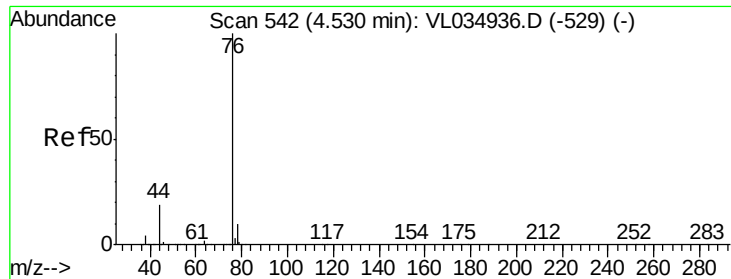


#26
Hexane
Concen: 9.655 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Tgt Ion	Ratio	Lower	Upper
57	100		
41	90.9	72.7	109.1
43	221.1	182.1	273.1
56	54.4	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: 9.184 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1122577

Ion Ratio Lower Upper

76 100

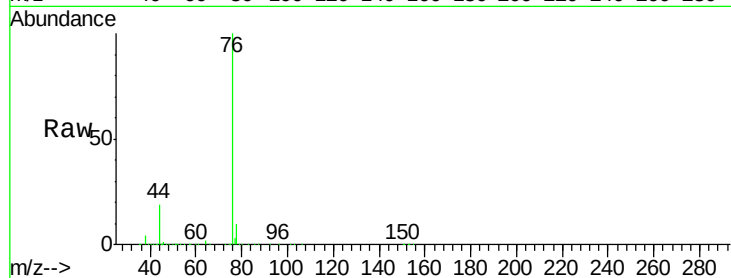
44 19.5 15.2 22.8

78 9.6 7.7 11.5

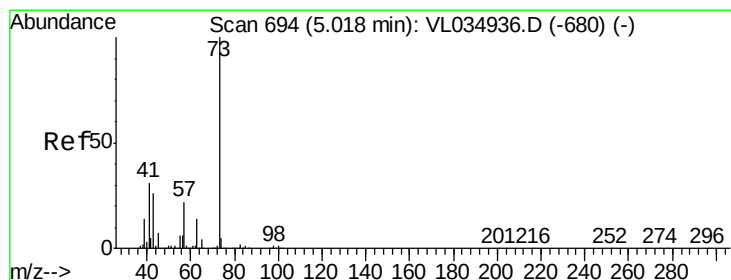
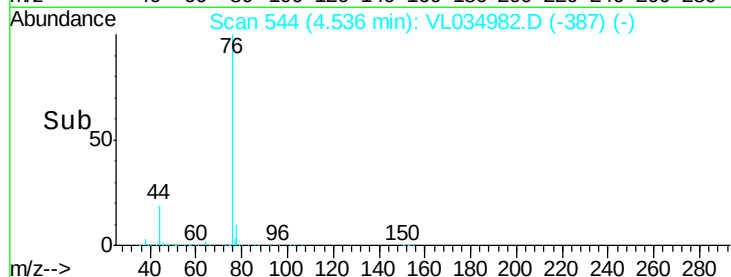
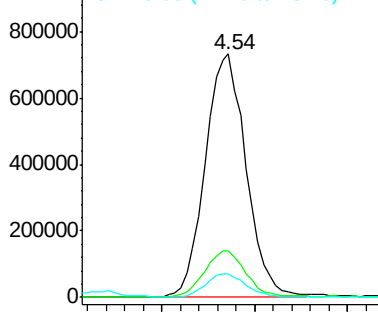
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.009 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL034982.D

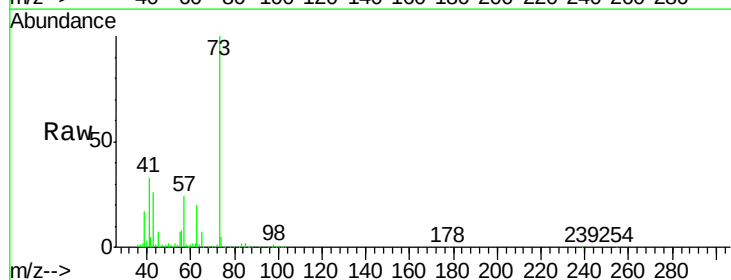
Acq: 8 May 2020 00:27

Tgt Ion: 73 Resp: 1422813

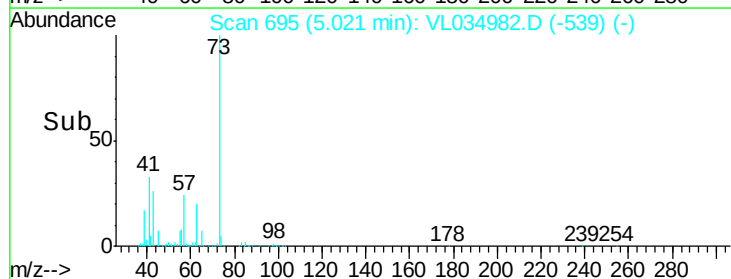
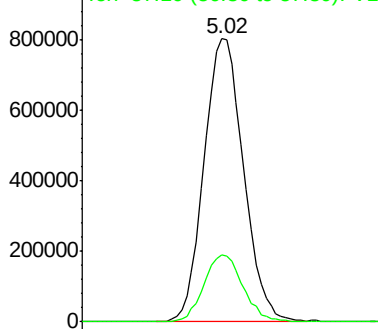
Ion Ratio Lower Upper

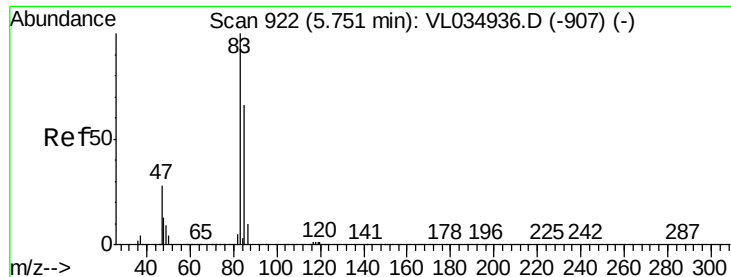
73 100

57 23.6 18.3 27.5



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





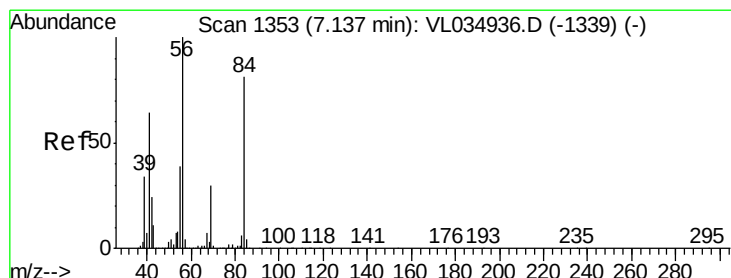
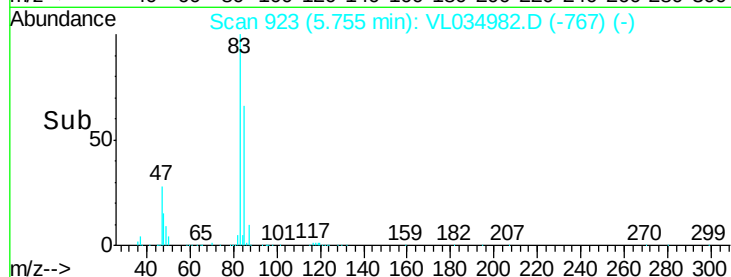
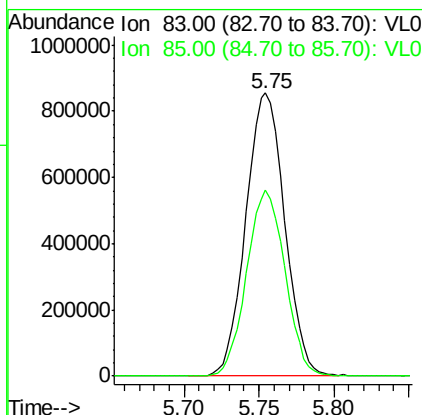
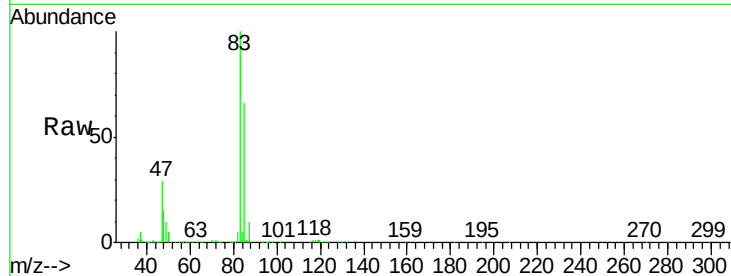
#29
Chloroform
Concen: 9.125 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1548259
Ion Ratio Lower Upper
83 100
85 65.6 53.0 79.6

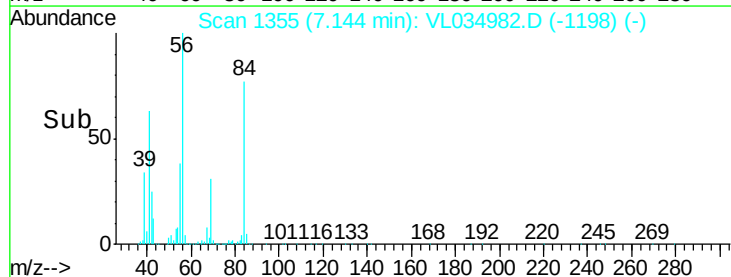
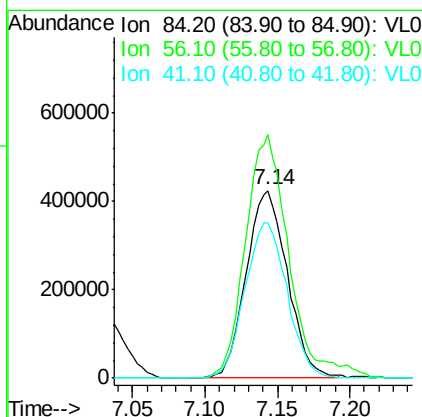
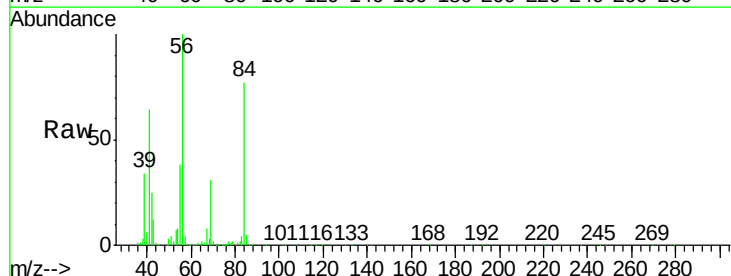
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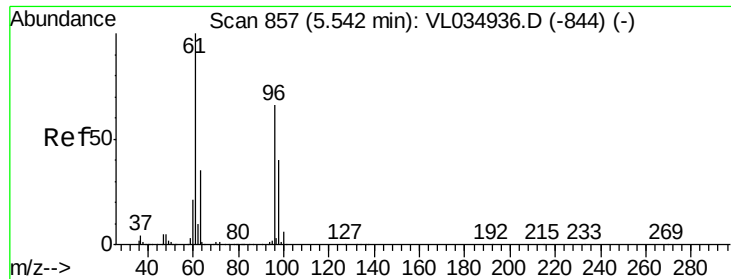
MMDadoda
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#30
Cyclohexane
Concen: 10.455 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Tgt Ion: 84 Resp: 836657
Ion Ratio Lower Upper
84 100
56 138.0 111.4 167.2
41 85.5 66.7 100.1





#31

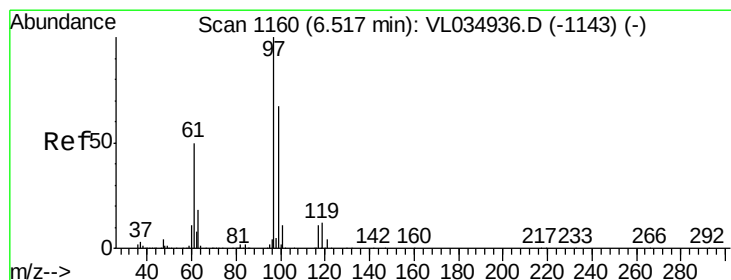
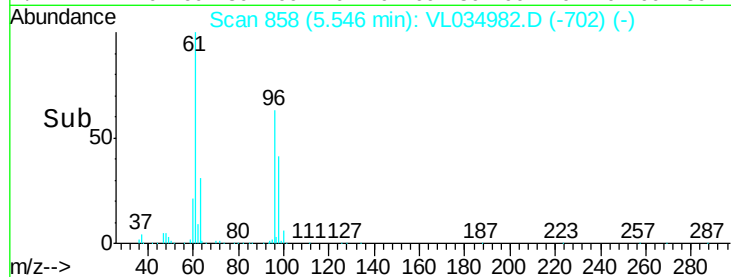
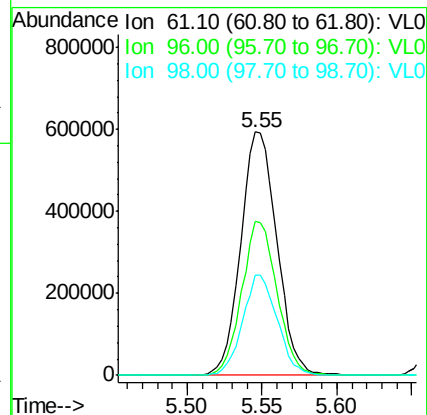
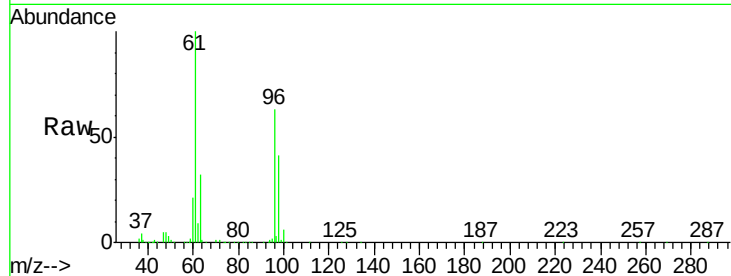
cis-1,2-Dichloroethene
Concen: 9.871 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.0	53.0	79.6
98	41.2	32.2	48.2

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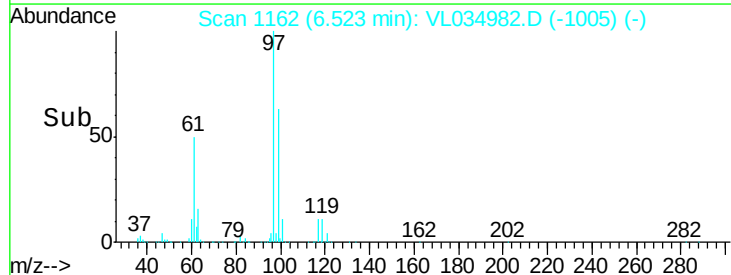
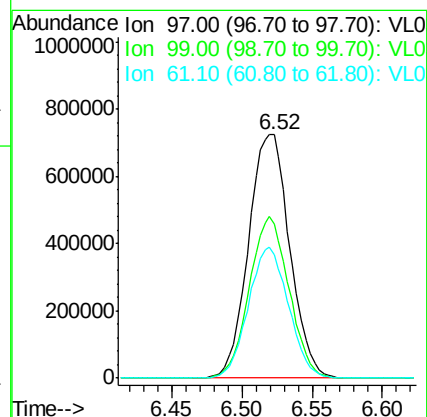
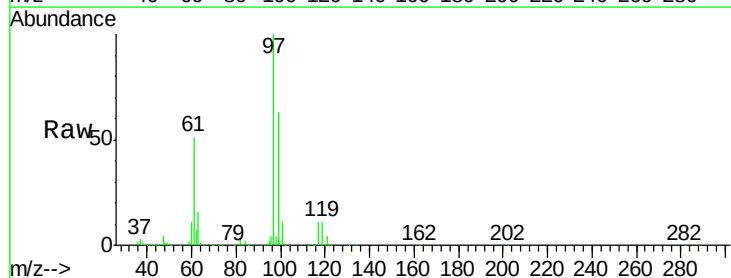
MMDadoda
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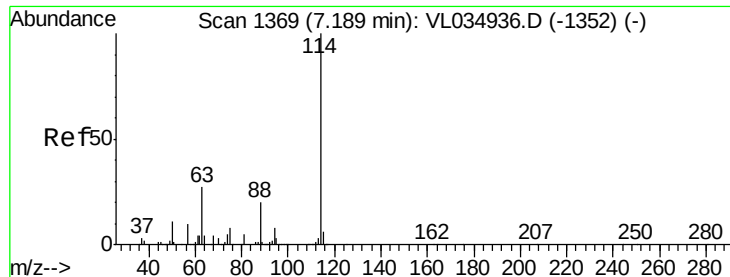


#32

1,1,1-Trichloroethane
Concen: 9.662 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.01 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.1	78.1
61	52.6	41.8	62.8





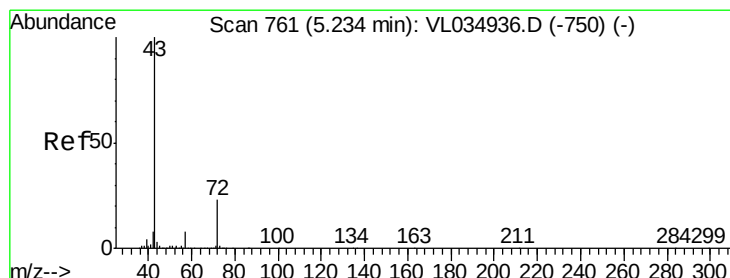
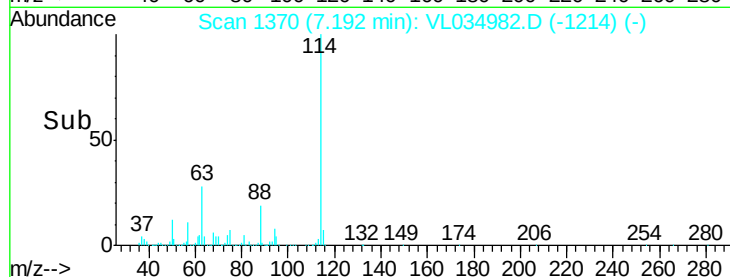
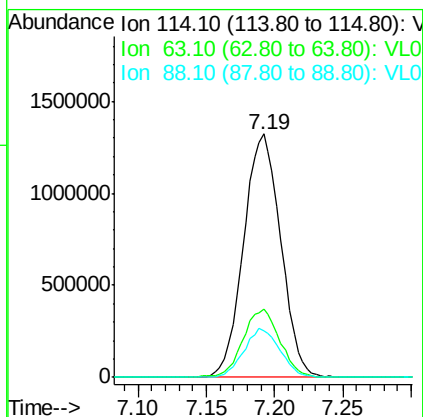
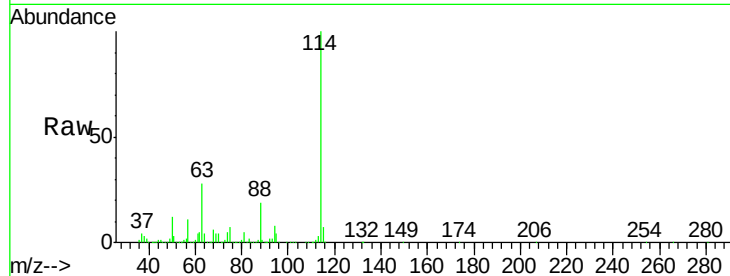
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.2	33.4
88	19.4	15.5	23.3

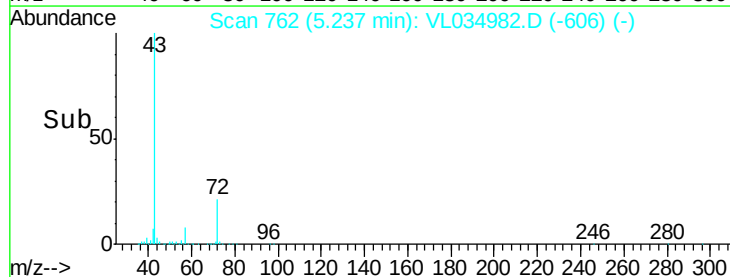
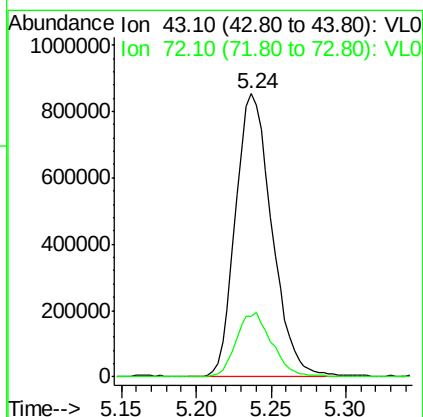
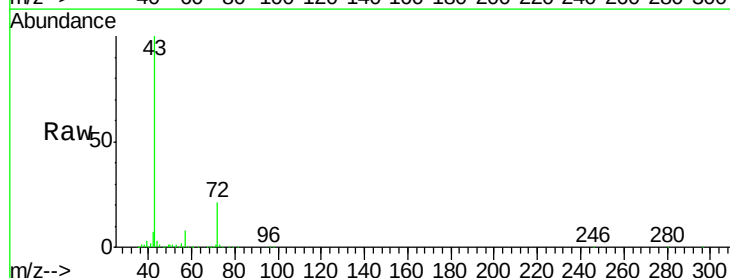
Manual Integrations
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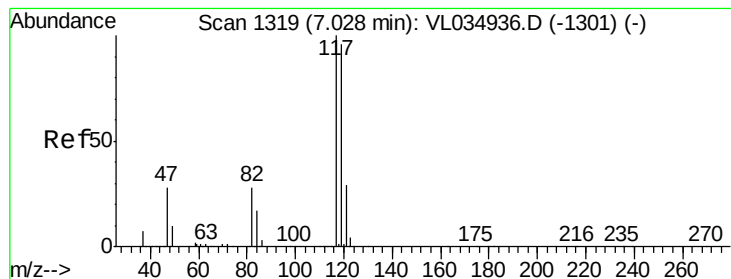
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#34
 2-Butanone
 Concen: 9.319 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.0	27.0





#35

Carbon Tetrachloride

Concen: 9.806 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1542992

Ion Ratio Lower Upper

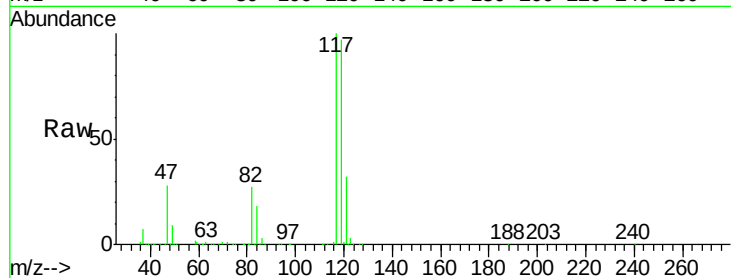
117 100

119 96.5 77.0 115.6

121 32.4 23.0 34.6

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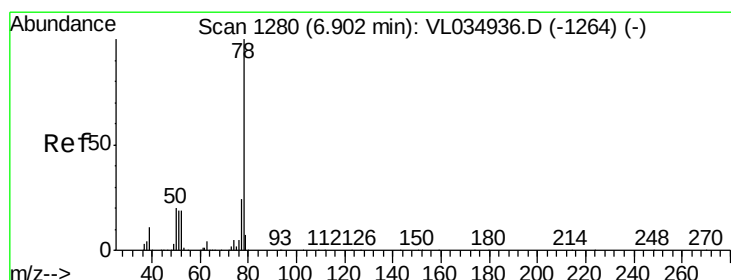
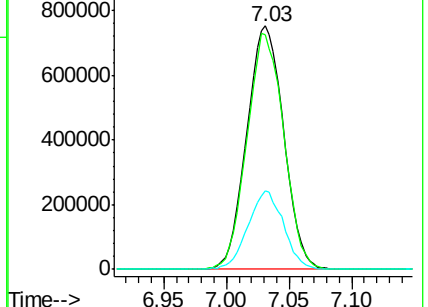
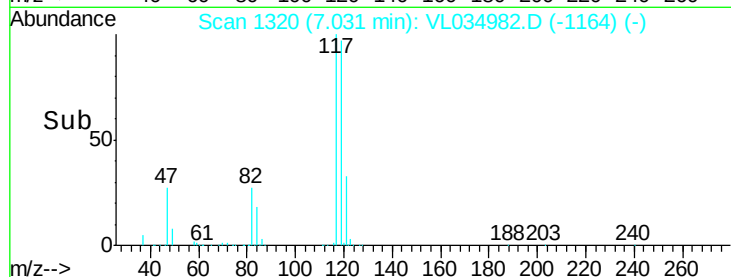
MMDadoda
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.572 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

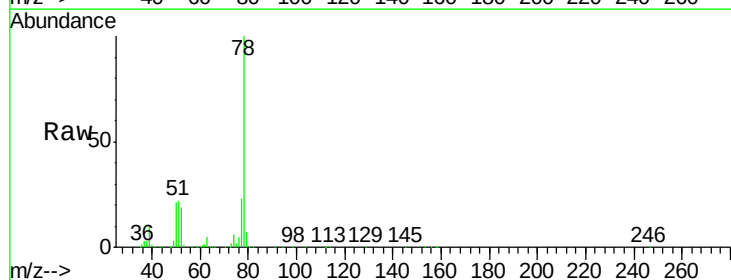
Tgt Ion: 78 Resp: 1967387

Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.6

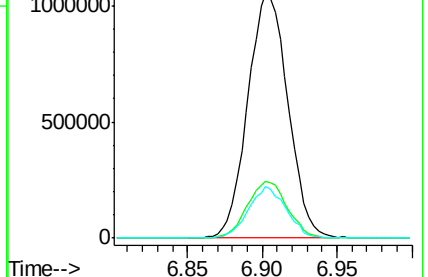
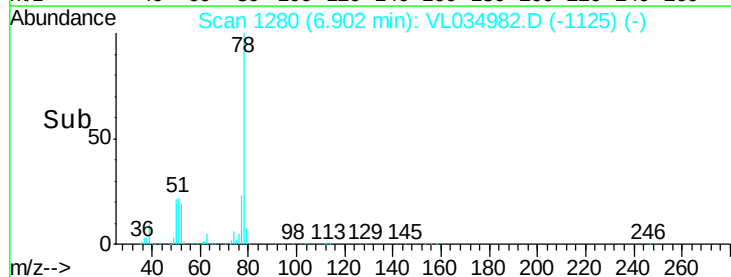
50 21.3 15.8 23.8

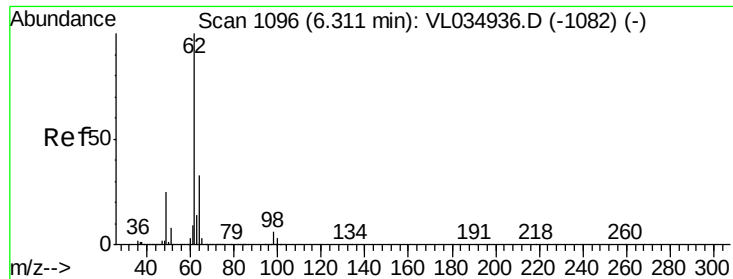


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





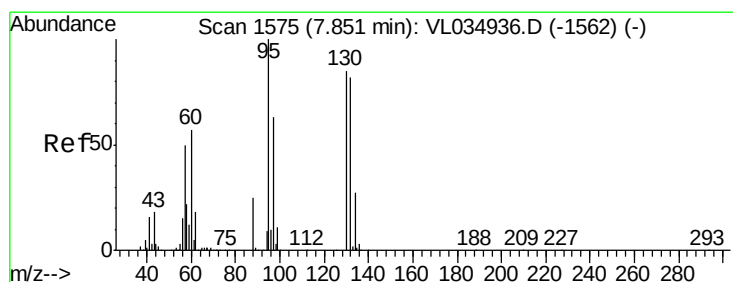
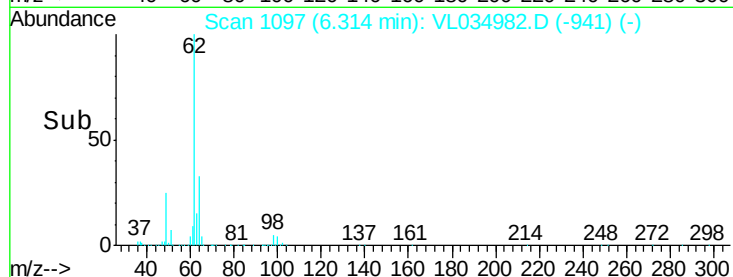
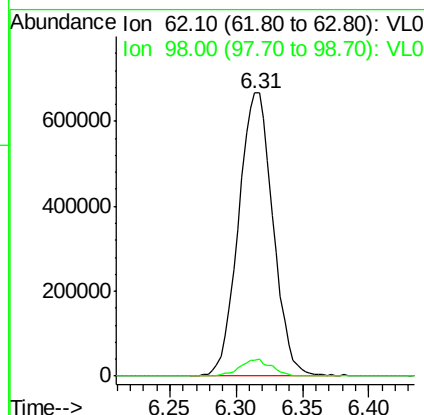
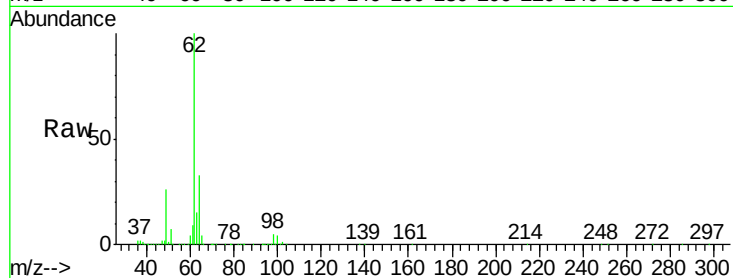
#37
 1,2-Dichloroethane
 Concen: 9.495 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1203775
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.8 7.2

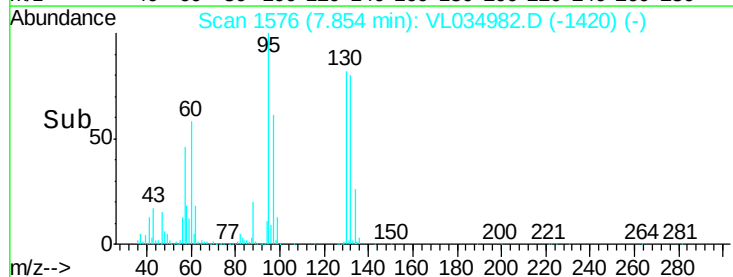
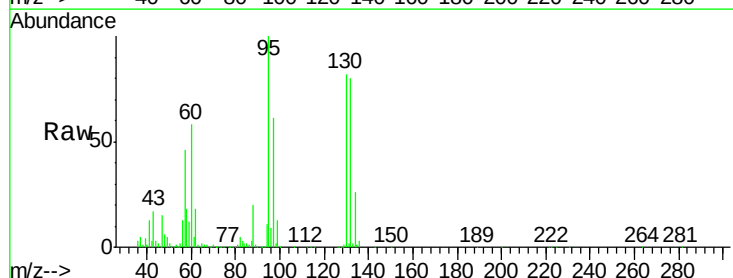
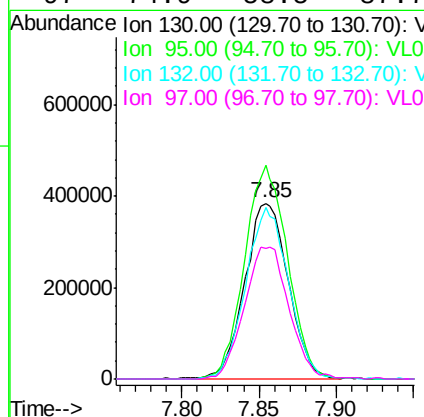
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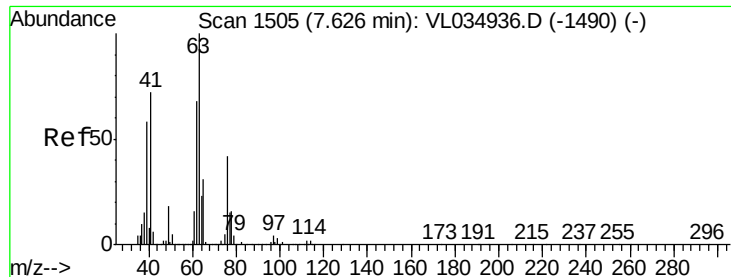
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#38
 Trichloroethene
 Concen: 9.341 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Tgt Ion: 130 Resp: 743802
 Ion Ratio Lower Upper
 130 100
 95 121.7 93.4 140.0
 132 97.9 76.4 114.6
 97 74.9 58.5 87.7





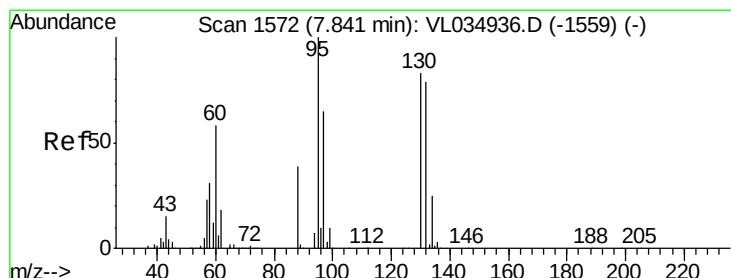
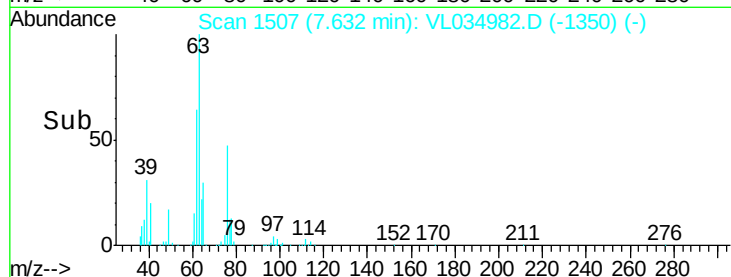
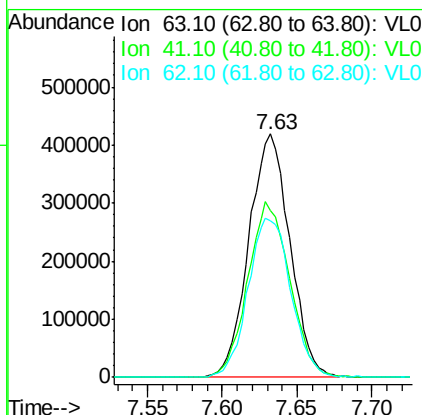
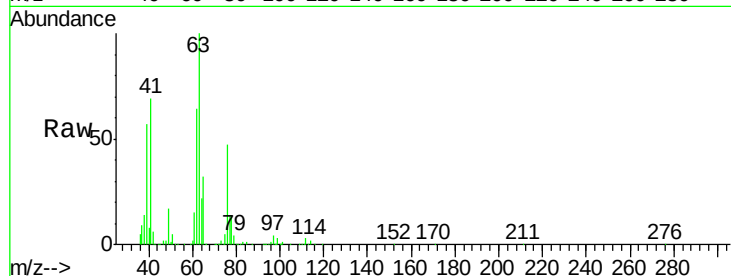
#39
 1,2-Dichloropropane
 Concen: 9.711 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. 0.01 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	68.5	57.8	86.8
62	64.3	54.2	81.2

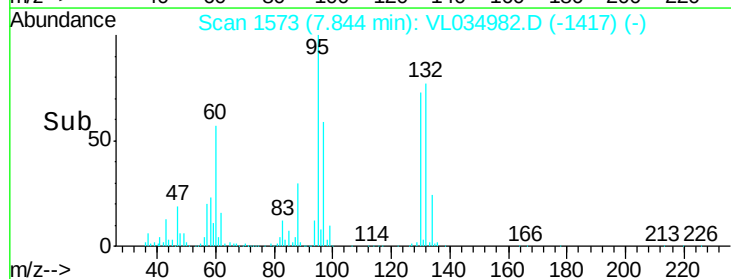
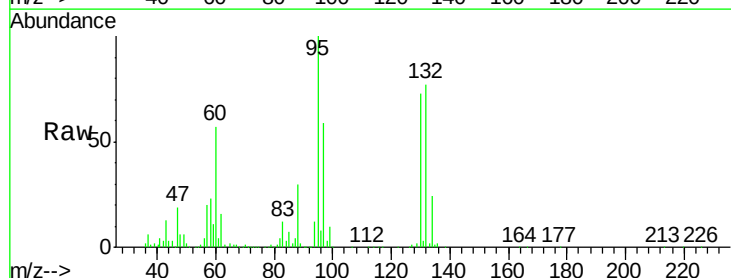
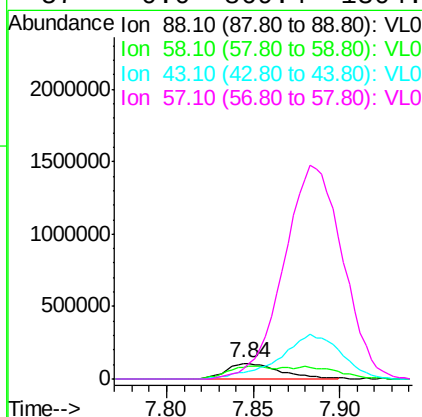
Manual Integrations
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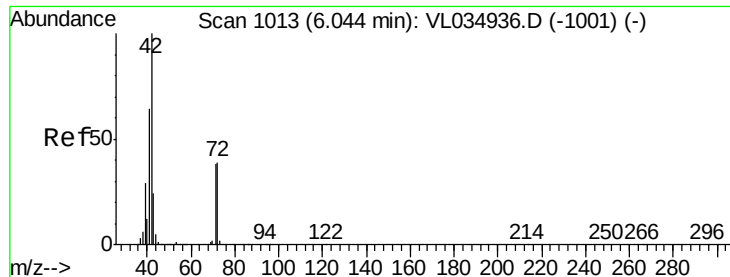
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#40
 1,4-Dioxane
 Concen: 7.014 ppbv m
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Tgt Ion	Ratio	Lower	Upper
88	100		
58	147.8	105.1	157.7
43	0.0	202.6	303.8#
57	0.0	869.4	1304.0#





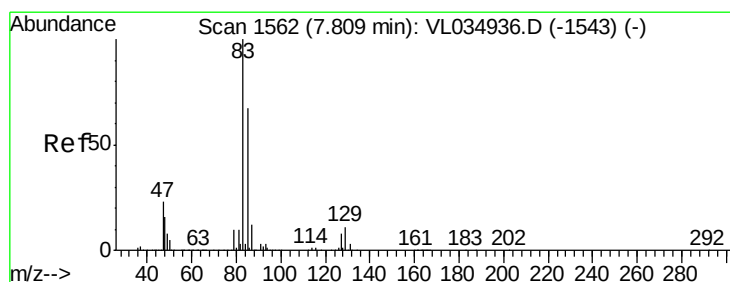
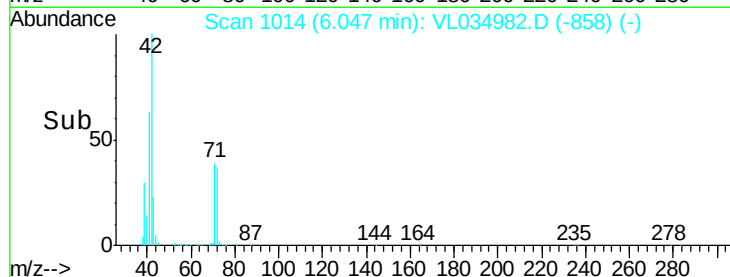
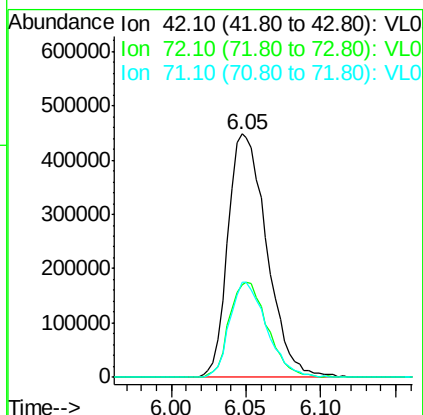
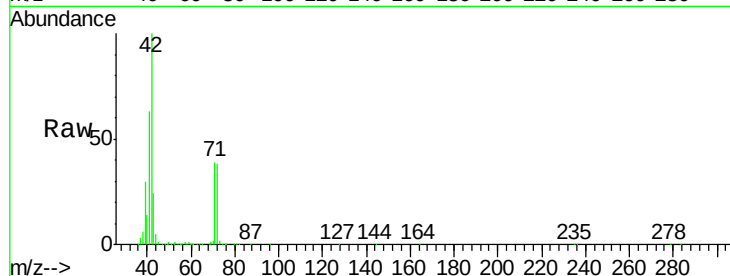
#41
Tetrahydrofuran
Concen: 9.956 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	31.4	47.0
71	37.4	29.8	44.8

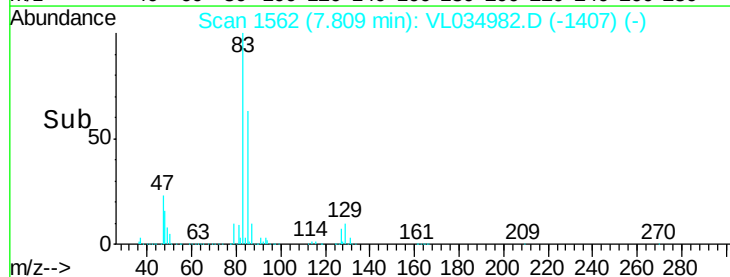
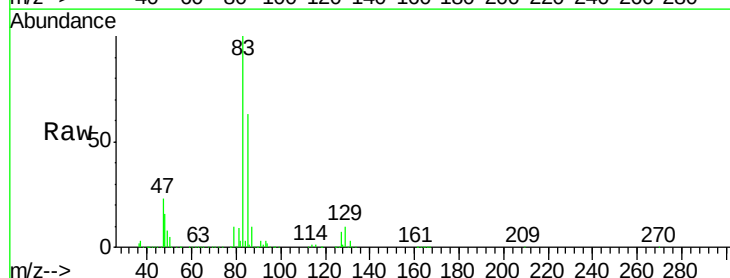
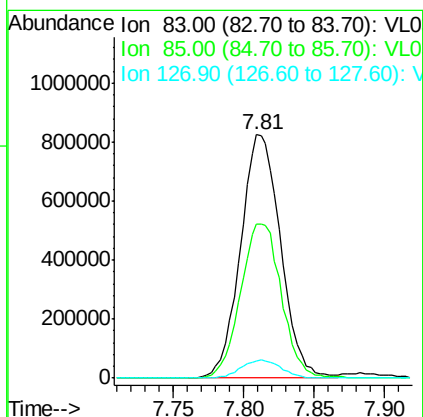
Manual Integrations
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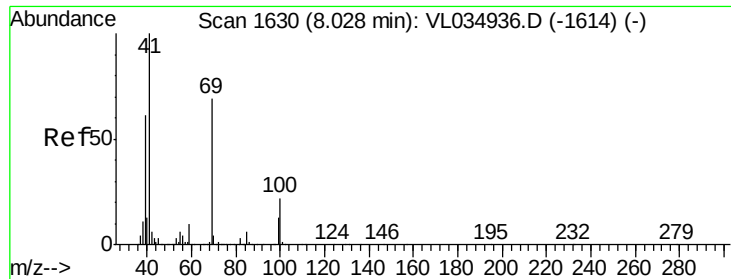
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#42
Bromodichloromethane
Concen: 9.609 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	53.4	80.0
127	7.1	6.1	9.1





#43

Methyl Methacrylate

Concen: 10.184 ppbv

RT: 8.03 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

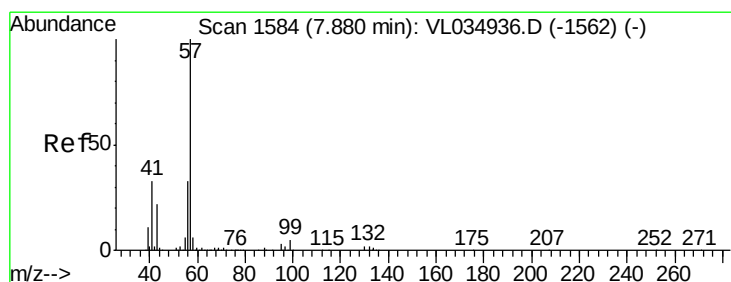
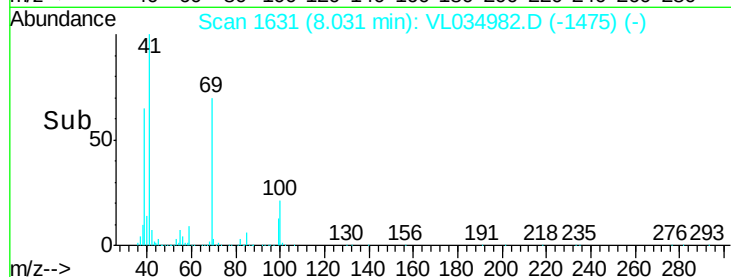
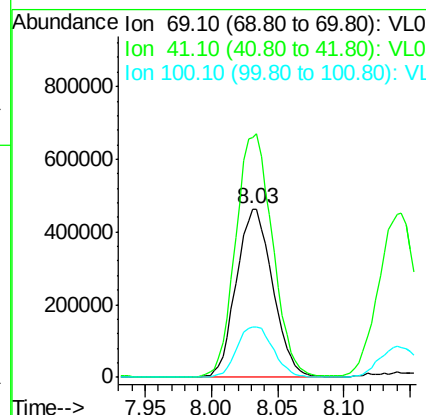
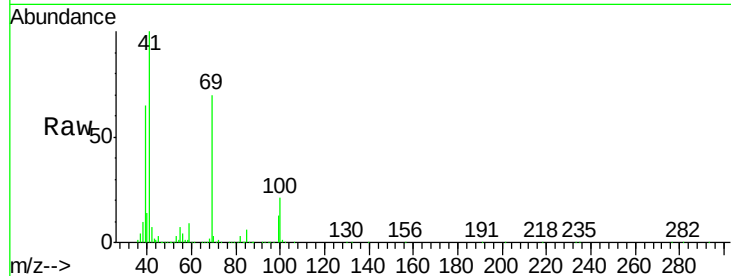
Instrument :
MSVOA_L

ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	146.2	119.8	179.6	
100	30.2	25.0	37.6	

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 9.520 ppbv

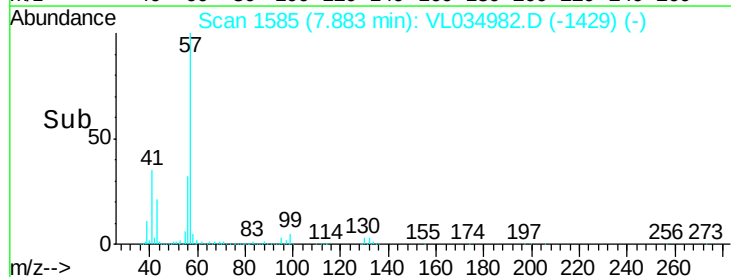
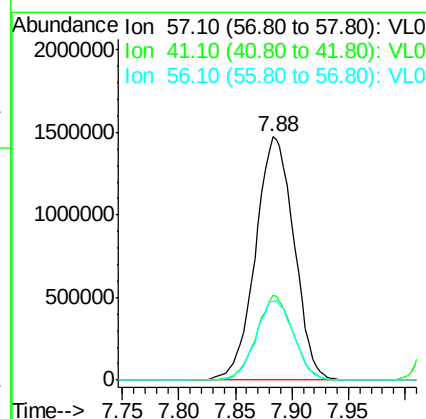
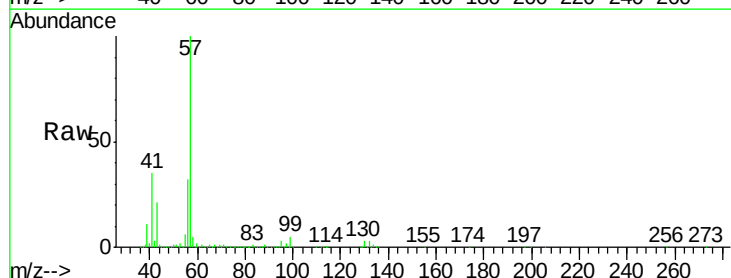
RT: 7.88 min Scan# 1585

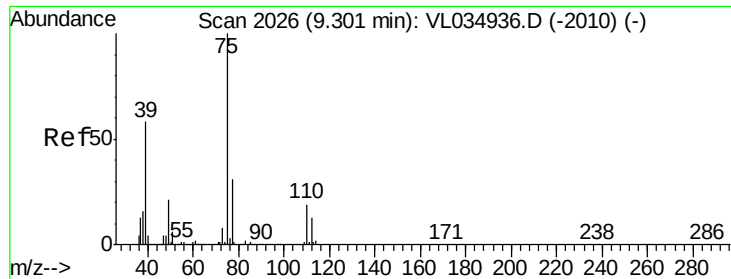
Delta R.T. 0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.2	26.4	39.6	
56	32.1	25.5	38.3	





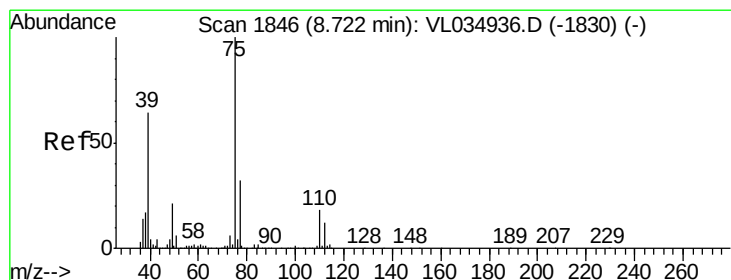
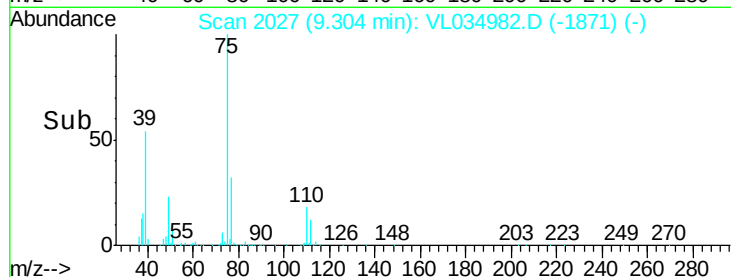
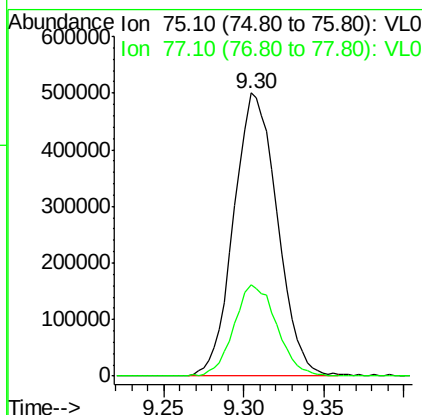
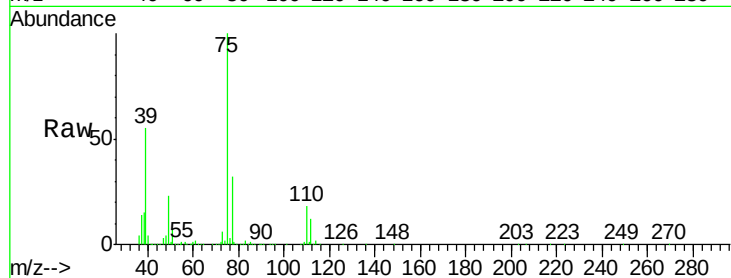
#45
 t-1,3-Dichloropropene
 Concen: 10.550 ppbv
 RT: 9.30 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.9	37.3

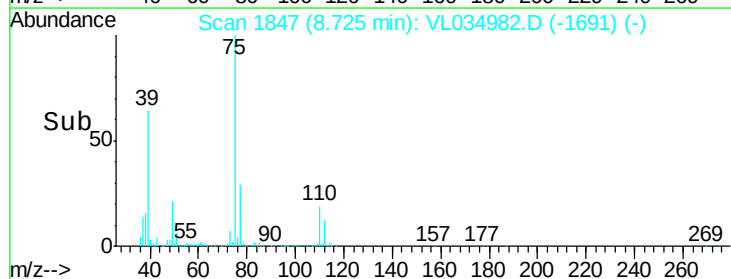
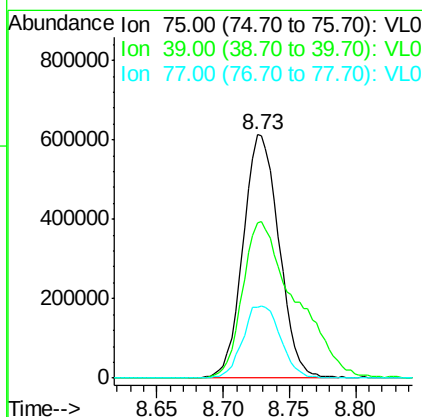
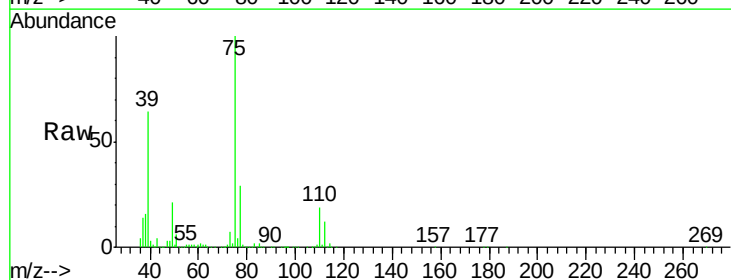
Manual Integrations
 APPROVED

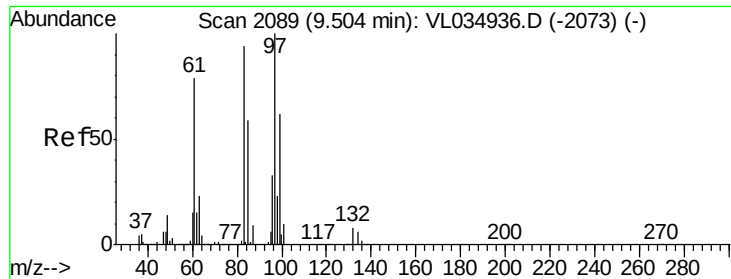
MMDadoda
 5/8/2020 5:22:58 PM



#46
 cis-1,3-Dichloropropene
 Concen: 10.733 ppbv
 RT: 8.73 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Tgt Ion	Ratio	Lower	Upper
75	100		
39	63.9	51.5	77.3
77	29.1	25.5	38.3





#47

1,1,2-Trichloroethane

Concen: 9.487 ppbv

RT: 9.50 min Scan# 2089

Delta R.T. -0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Instrument :

MSVOA_L

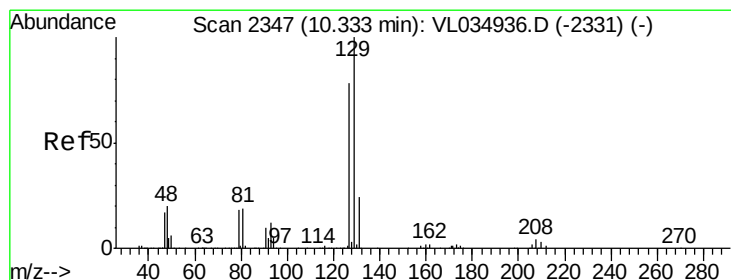
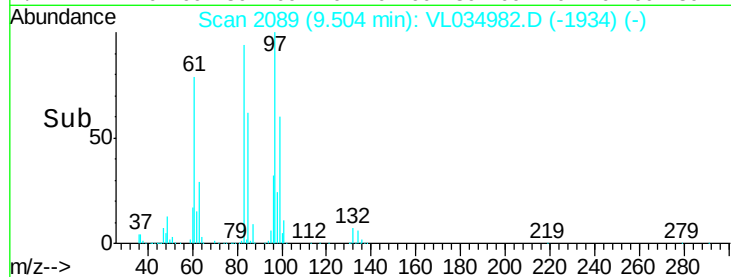
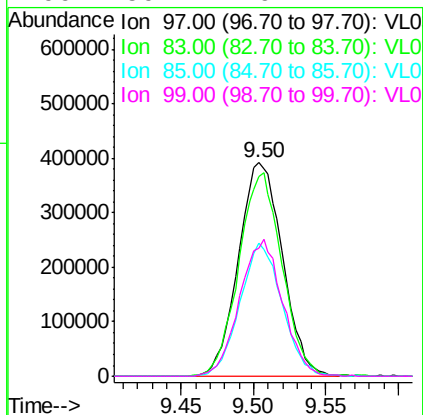
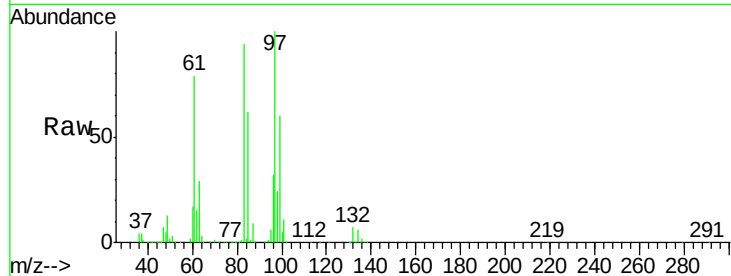
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	93.7	75.6	113.4	
85	62.3	47.0	70.6	
99	59.7	49.4	74.2	

Manual Integrations
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5/8/2020 5:22:58 PM



#48

Dibromochloromethane

Concen: 10.305 ppbv

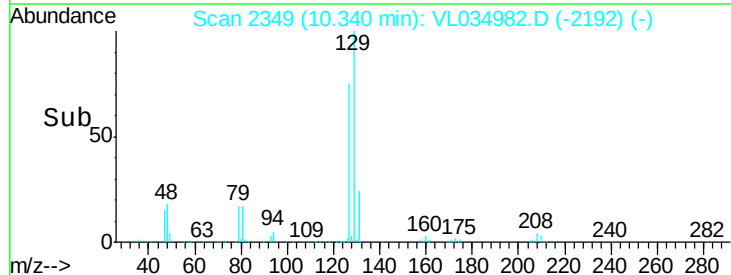
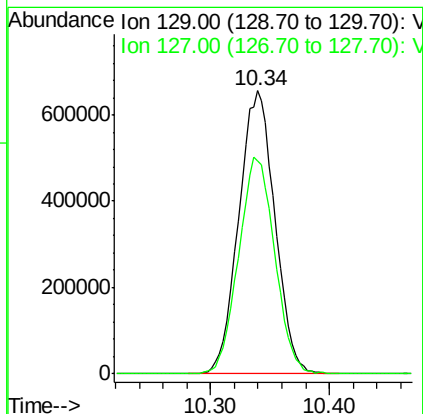
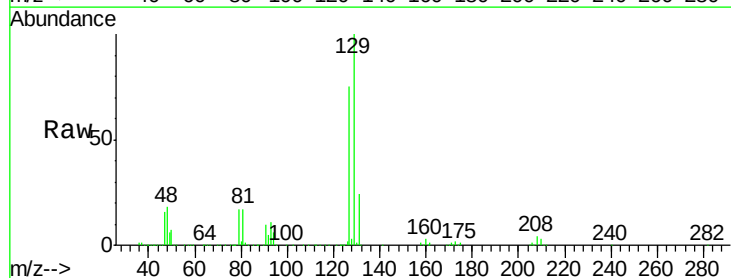
RT: 10.34 min Scan# 2349

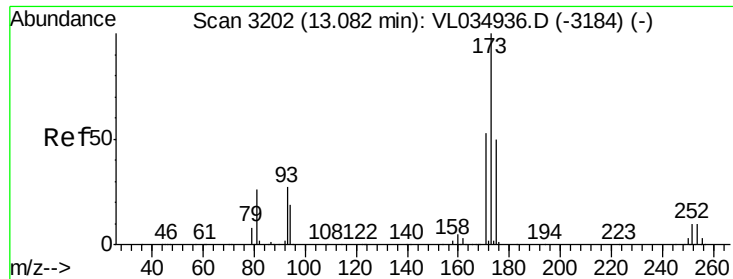
Delta R.T. 0.01 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	76.6	39.1	117.2	





#49

Bromoform

Concen: 10.561 ppbv

RT: 13.09 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1215068

Ion Ratio Lower Upper

173 100

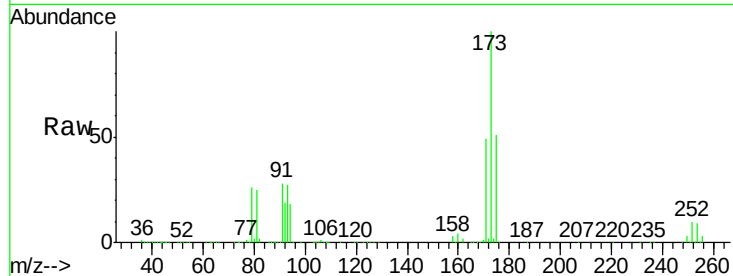
175 49.7 39.0 58.6

171 51.6 41.4 62.2

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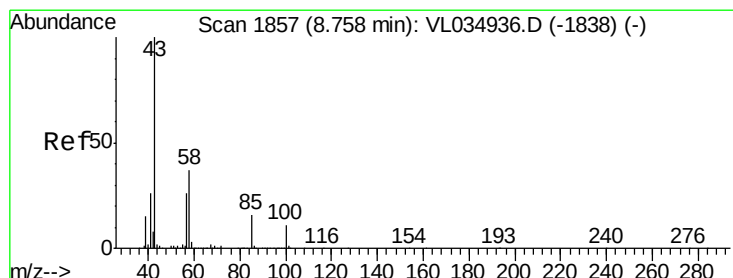
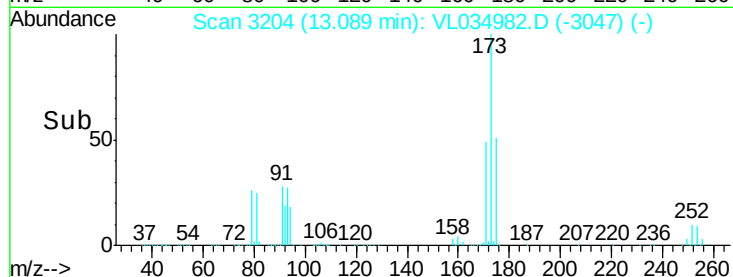
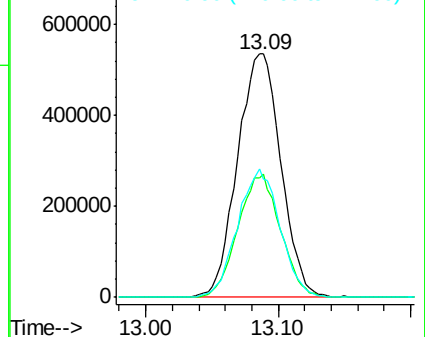
5/8/2020 5:22:58 PM



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.124 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VL034982.D

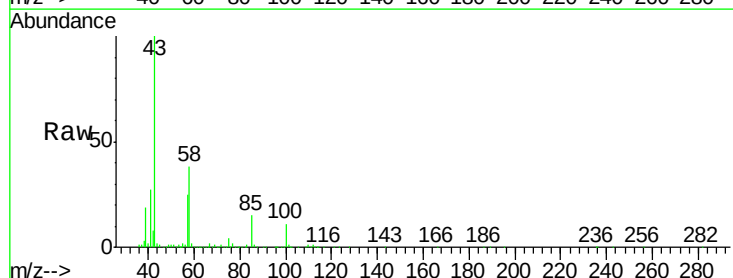
Acq: 8 May 2020 00:27

Tgt Ion: 43 Resp: 2236747

Ion Ratio Lower Upper

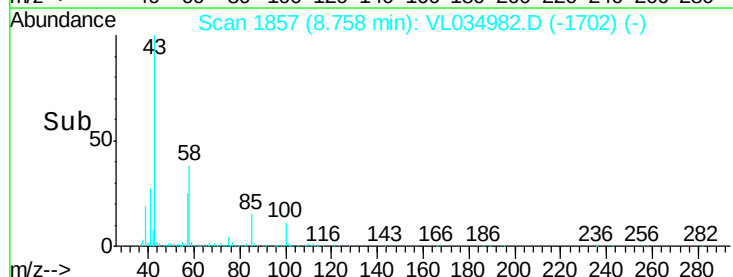
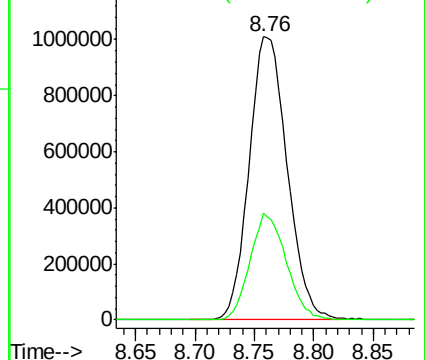
43 100

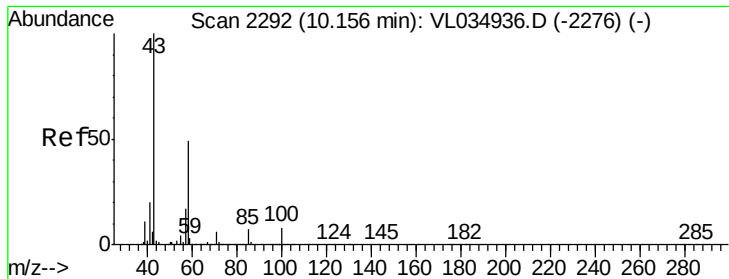
58 36.0 29.1 43.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





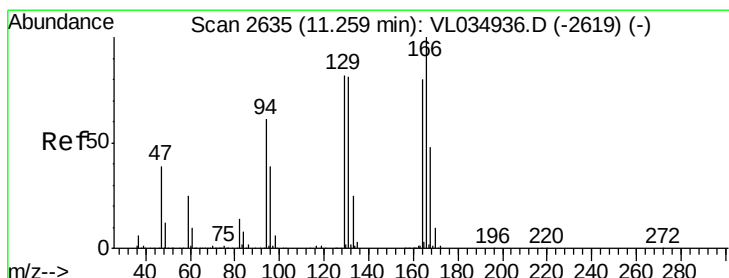
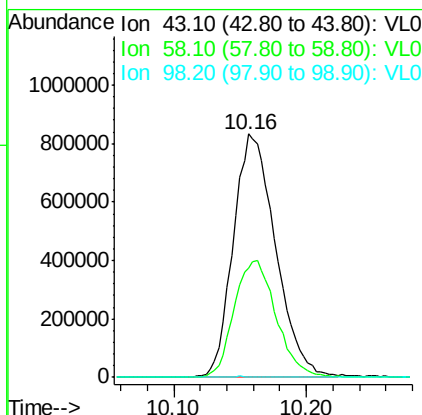
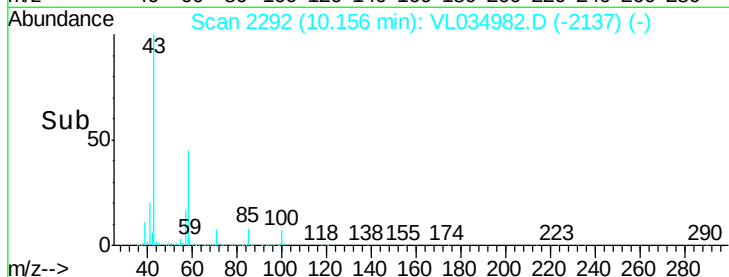
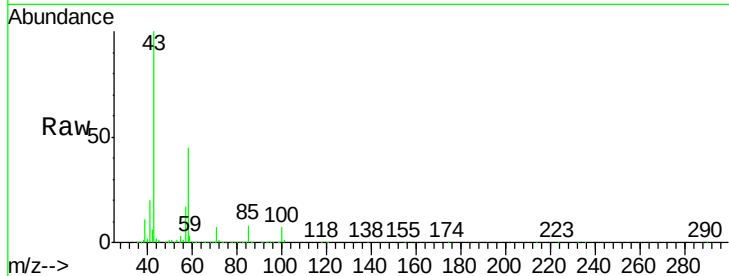
#51
2-Hexanone
Concen: 10.682 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1845938
Ion Ratio Lower Upper
43 100
58 47.9 39.1 58.7
98 0.4 0.3 0.5

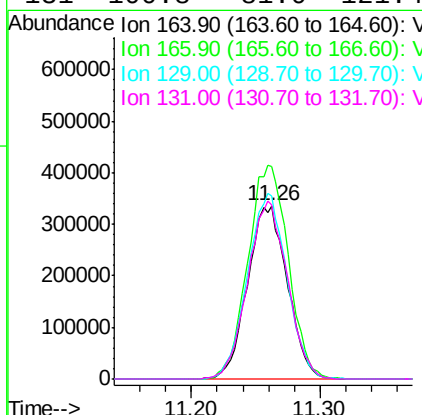
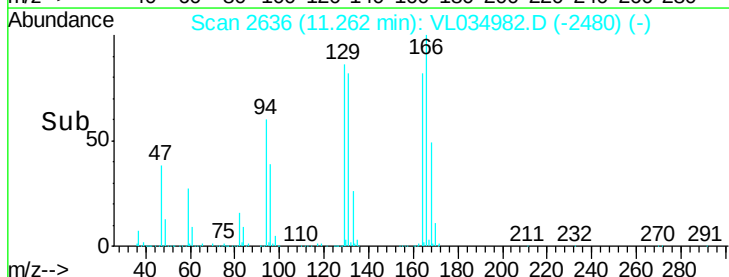
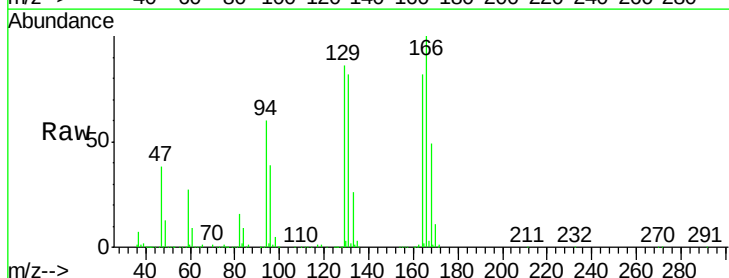
Manual Integrations
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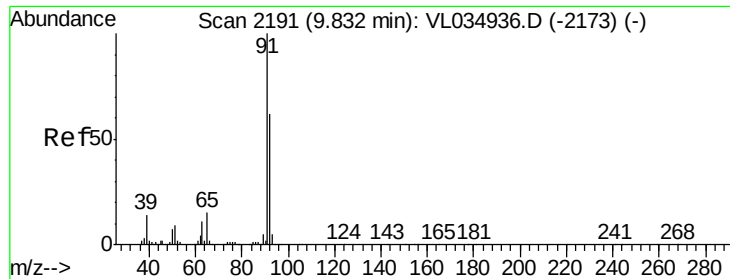
MMDadoda
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#52
Tetrachloroethene
Concen: 9.864 ppbv
RT: 11.26 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Tgt Ion: 164 Resp: 720869
Ion Ratio Lower Upper
164 100
166 122.7 100.7 151.1
129 105.9 83.0 124.4
131 100.8 81.0 121.4





#53

Toluene

Concen: 10.488 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2285238

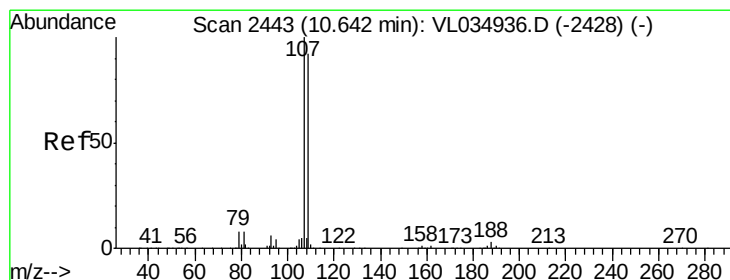
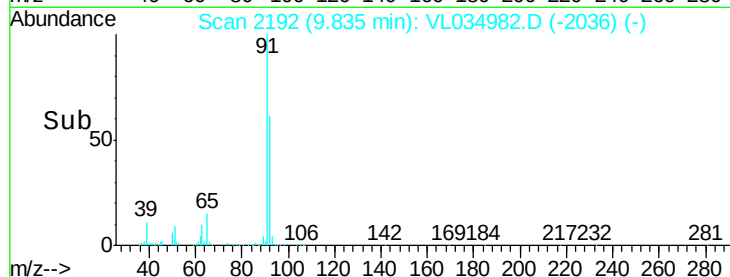
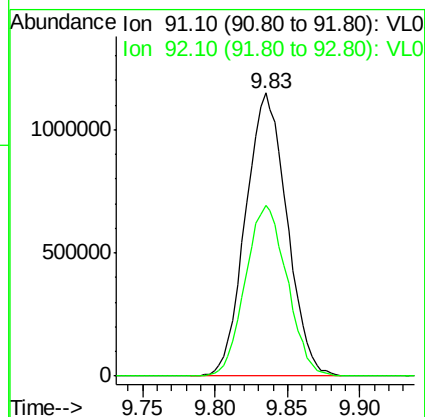
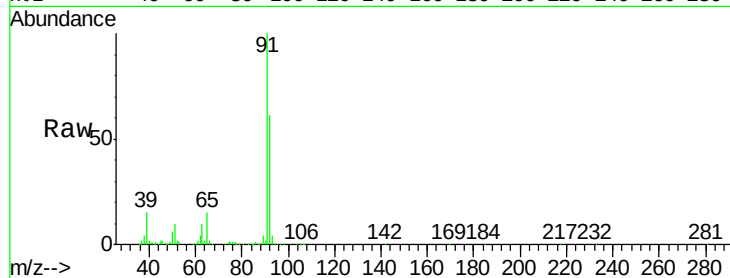
Ion Ratio Lower Upper

91 100

92 60.9 48.6 73.0

Manual Integrations
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5/8/2020 5:22:58 PM



#54

1,2-Dibromoethane

Concen: 9.804 ppbv

RT: 10.64 min Scan# 2444

Delta R.T. 0.00 min

Lab File: VL034982.D

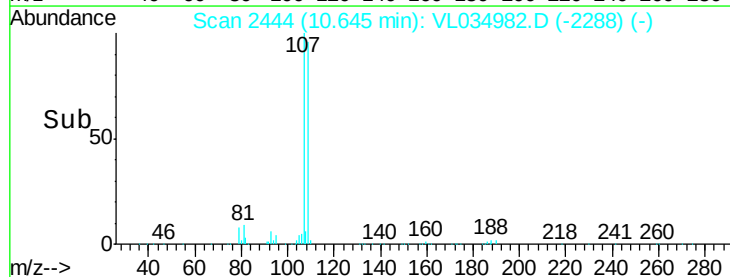
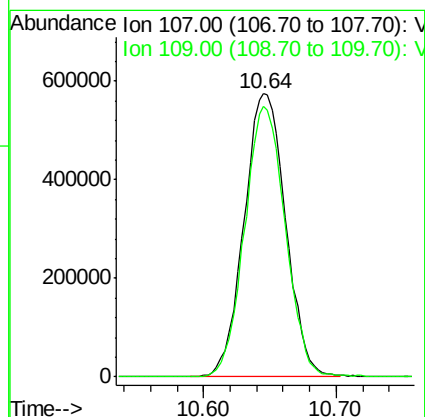
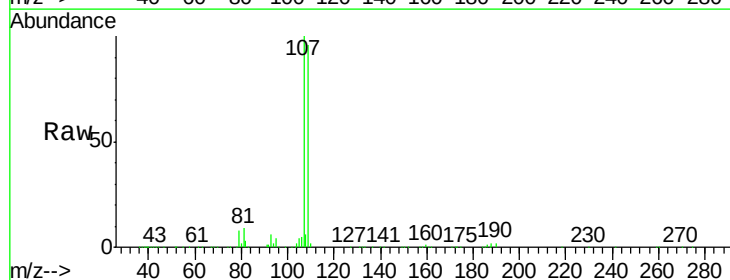
Acq: 8 May 2020 00:27

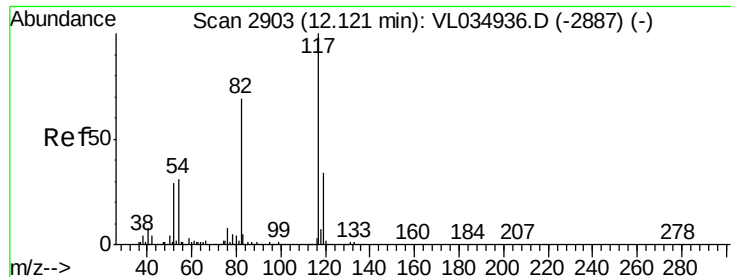
Tgt Ion: 107 Resp: 1251823

Ion Ratio Lower Upper

107 100

109 95.6 73.2 109.8





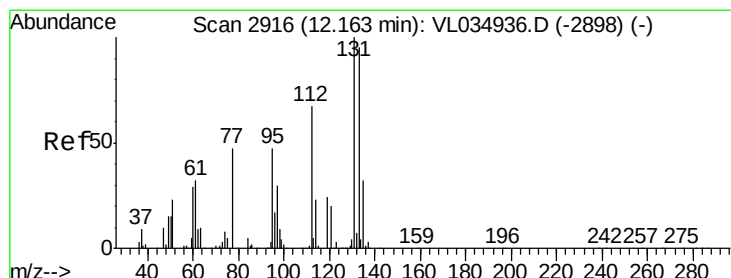
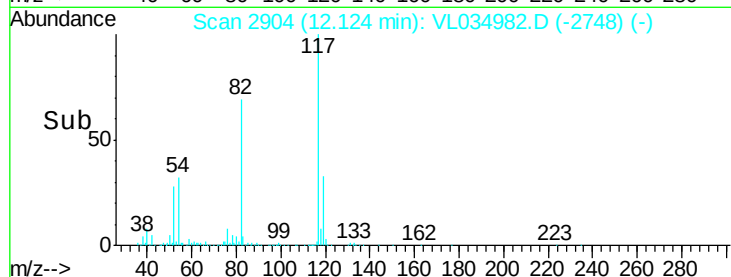
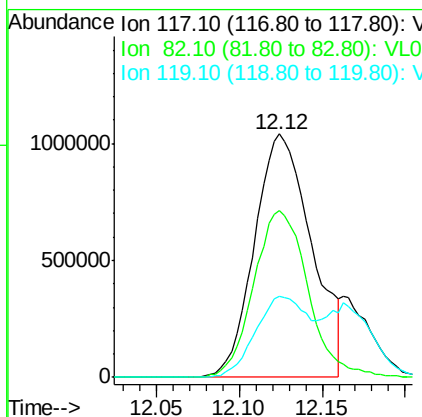
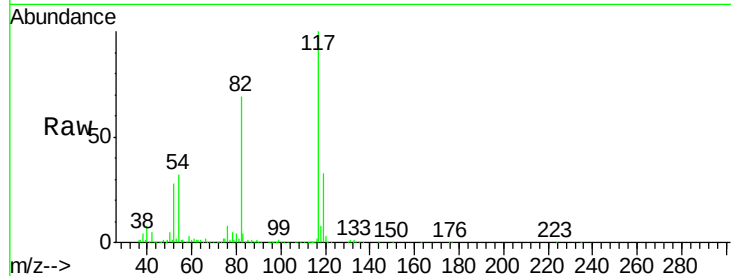
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.4	53.1	79.7
119	31.2	26.7	40.1

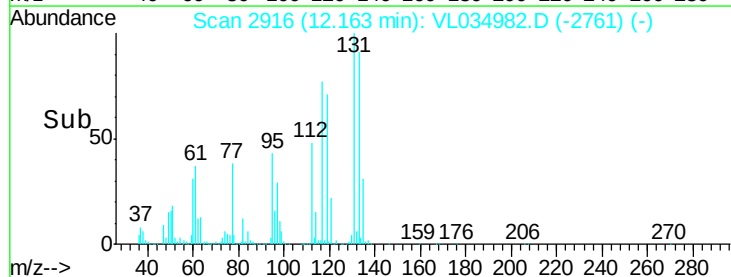
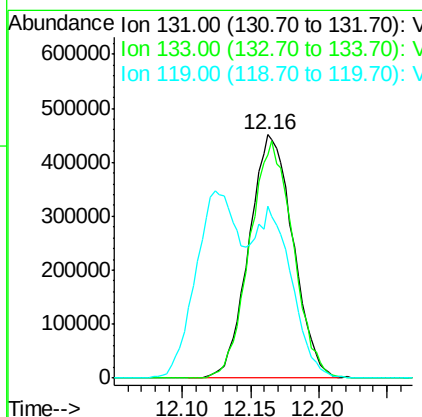
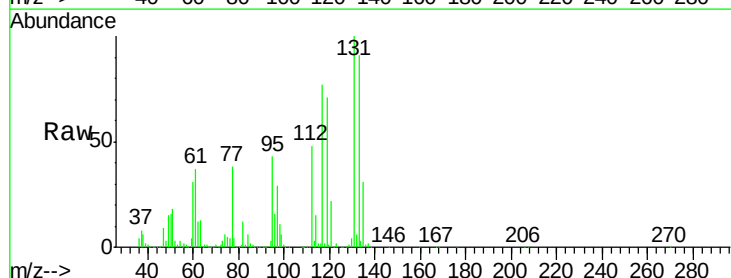
Manual Integrations
APPROVED

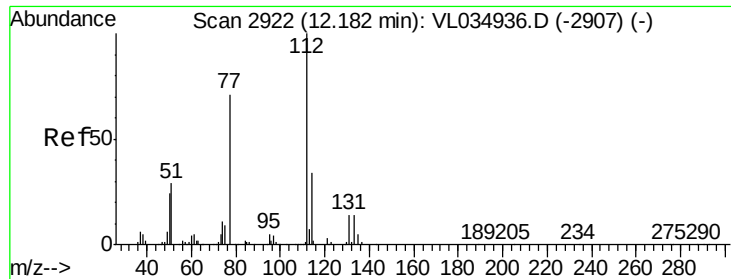
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.985 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	77.7	116.5
119	61.6	49.8	74.6





#57

Chlorobenzene

Concen: 8.931 ppbv

RT: 12.19 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 1765303

Ion Ratio Lower Upper

112 100

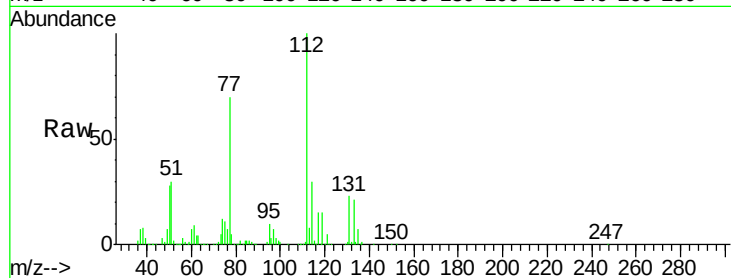
77 69.9 57.0 85.6

114 29.7 30.8 37.6#

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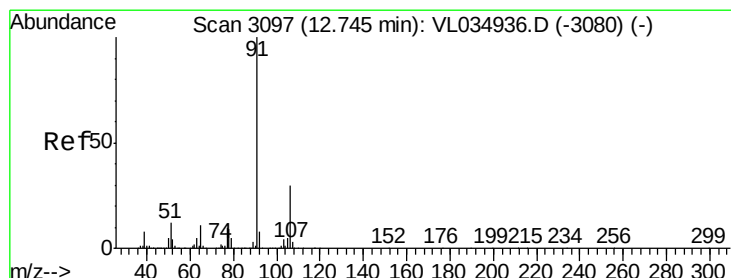
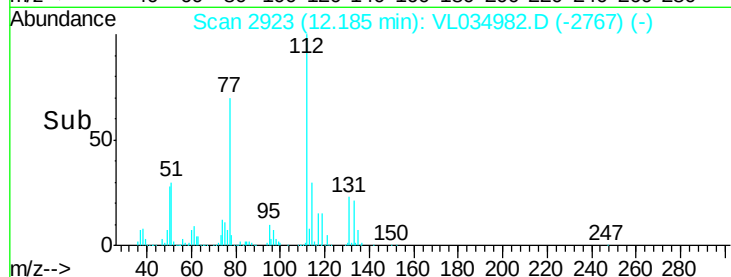
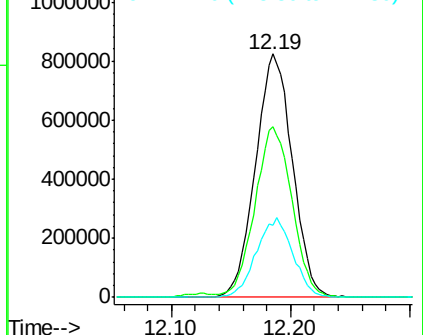
5/8/2020 5:22:58 PM



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: 10.157 ppbv

RT: 12.75 min Scan# 3099

Delta R.T. 0.01 min

Lab File: VL034982.D

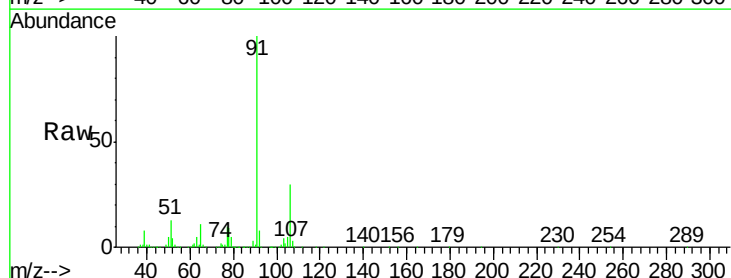
Acq: 8 May 2020 00:27

Tgt Ion: 91 Resp: 3133830

Ion Ratio Lower Upper

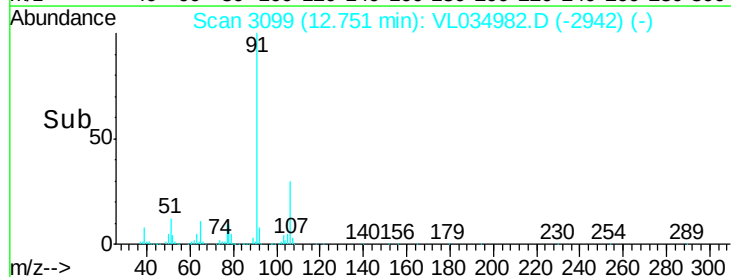
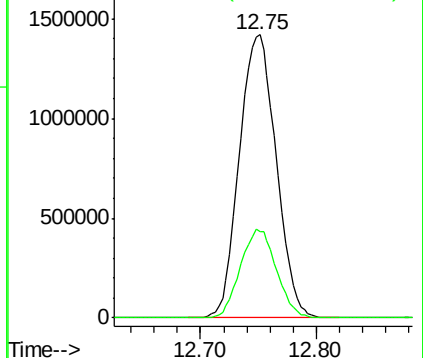
91 100

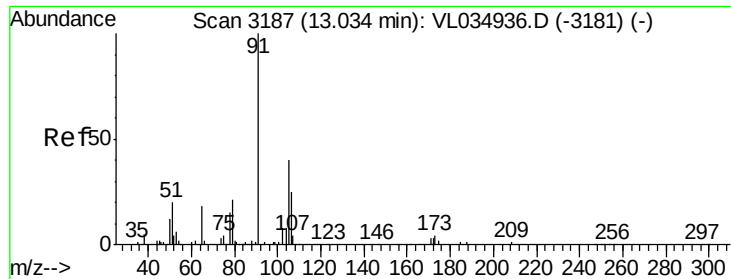
106 30.3 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





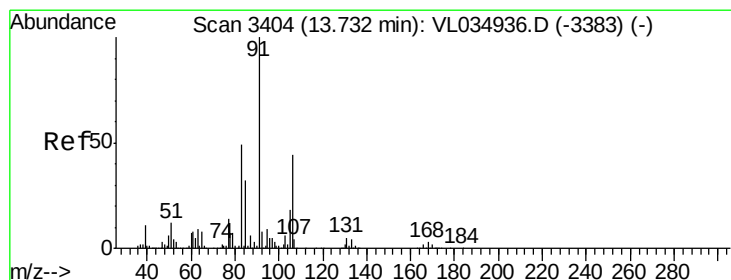
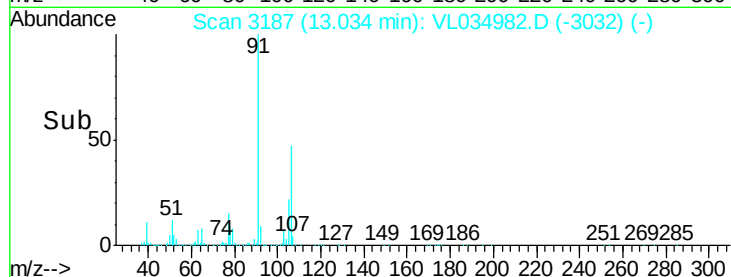
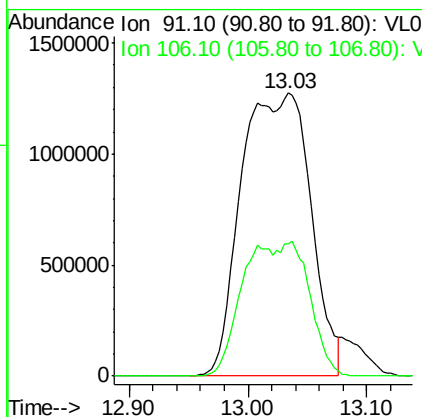
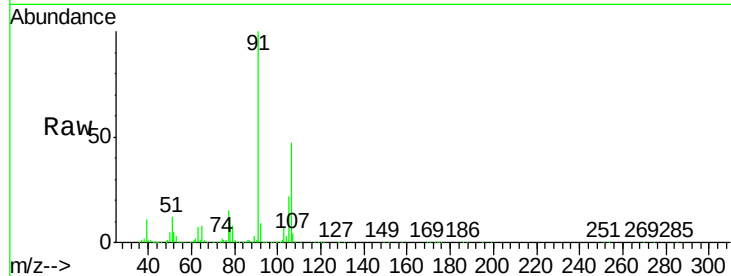
#59
m/p-Xylene
Concen: 18.923 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. -0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 5136625
Ion Ratio Lower Upper
91 100
106 45.5 66.0 99.0#

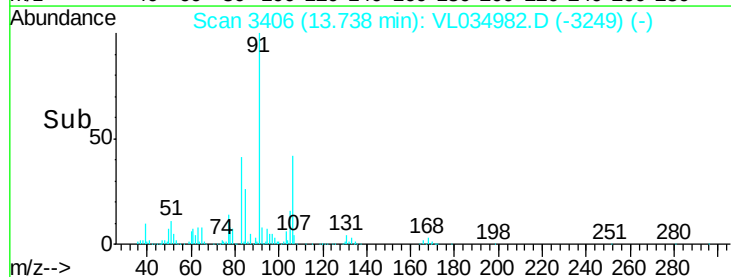
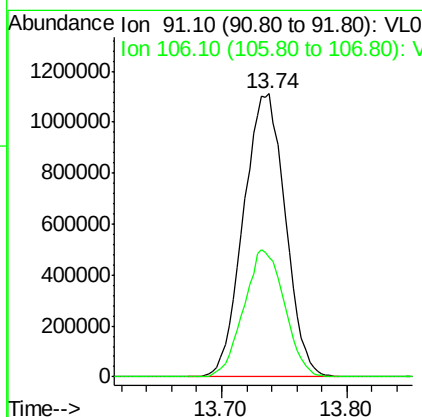
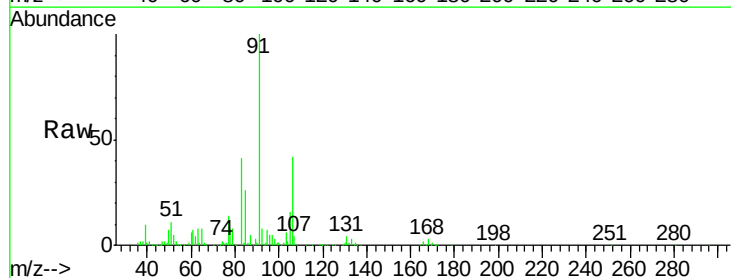
Manual Integrations
APPROVED

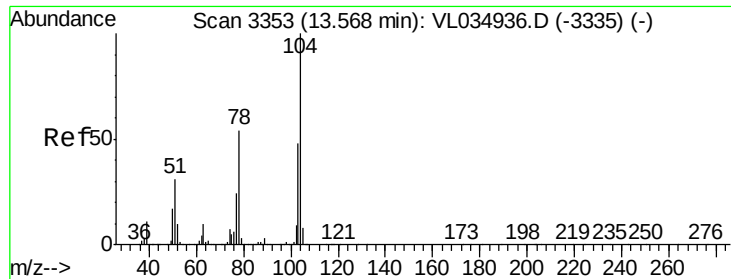
MMDadoda
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#60
o-Xylene
Concen: 9.616 ppbv
RT: 13.74 min Scan# 3406
Delta R.T. 0.01 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Tgt Ion: 91 Resp: 2575673
Ion Ratio Lower Upper
91 100
106 43.9 21.9 65.5





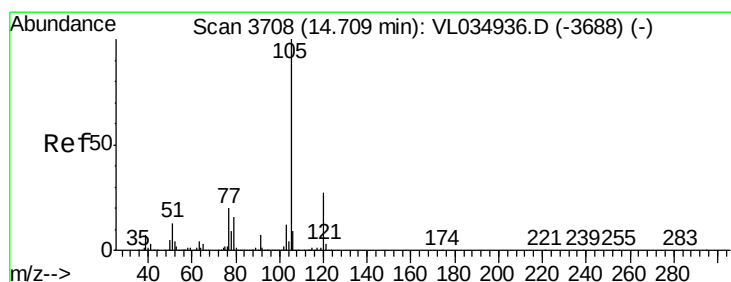
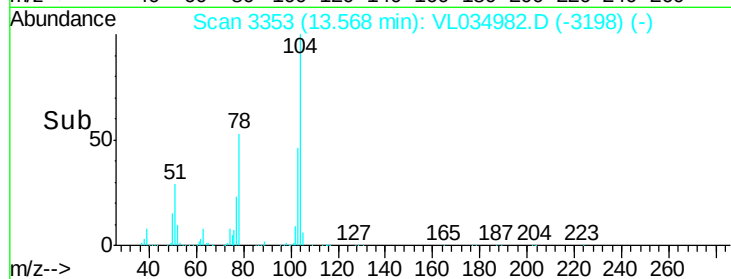
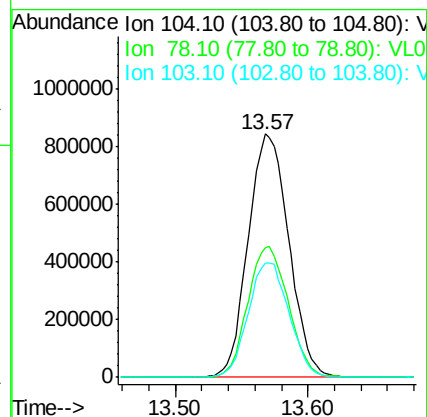
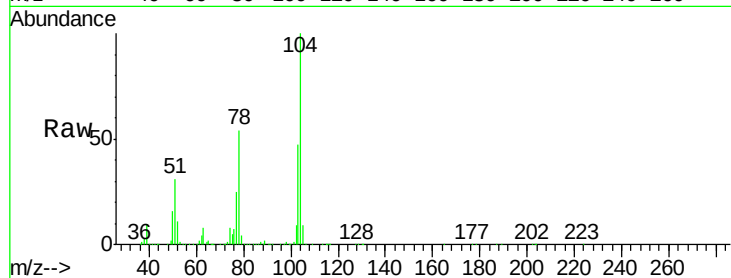
#61
Stvrene
Concen: 10.629 ppbv
RT: 13.57 min Scan# 3353
Delta R.T. -0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:104 Resp: 1801792
Ion Ratio Lower Upper
104 100
78 53.7 43.7 65.5
103 47.4 38.8 58.2

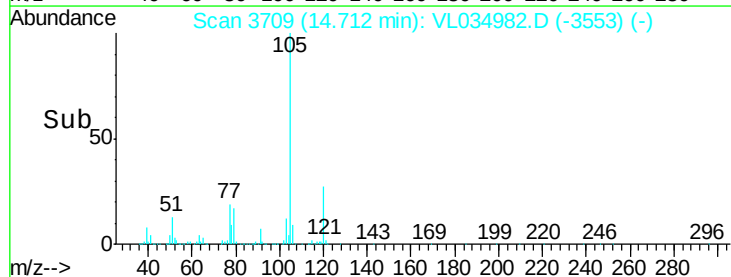
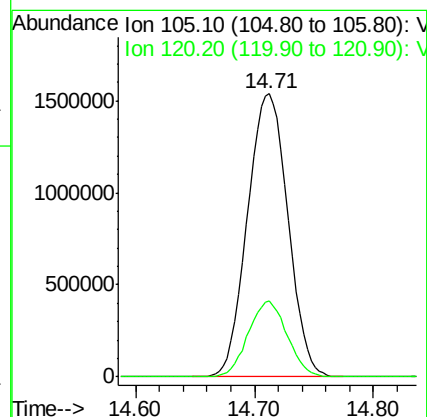
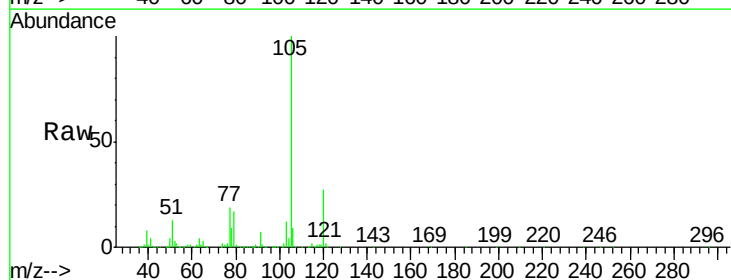
Manual Integrations
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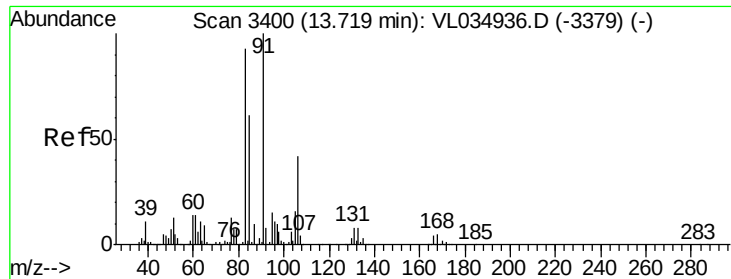
MMDadoda
5/8/2020 5:22:58 PM



#62
Isopropylbenzene
Concen: 9.066 ppbv
RT: 14.71 min Scan# 3709
Delta R.T. 0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Tgt Ion:105 Resp: 3625706
Ion Ratio Lower Upper
105 100
120 25.7 20.6 31.0





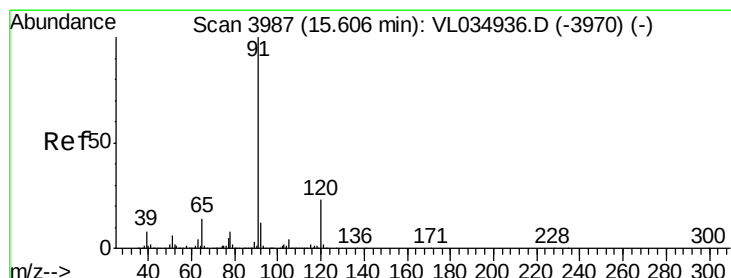
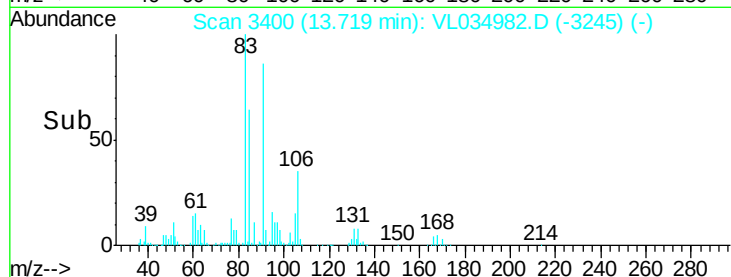
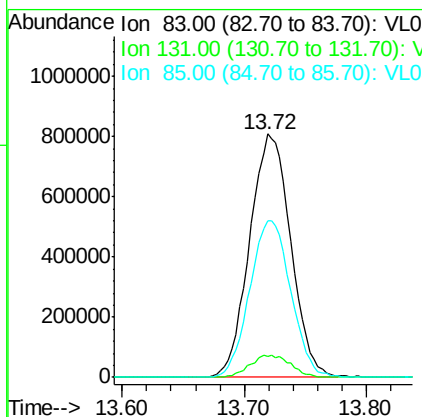
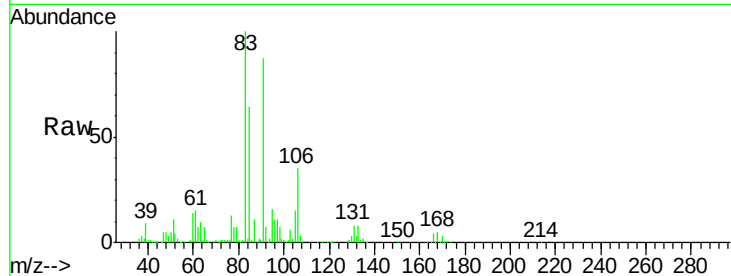
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.930 ppbv
 RT: 13.72 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.0
85	64.9	32.5	97.4

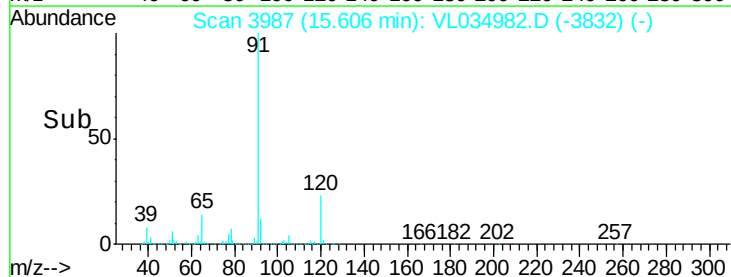
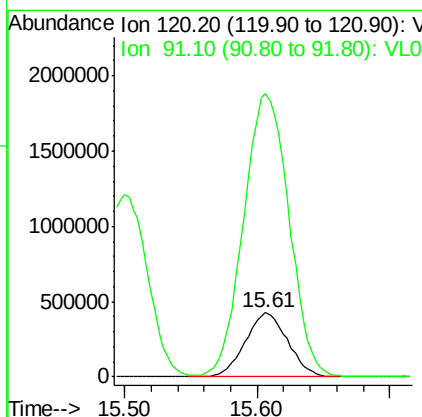
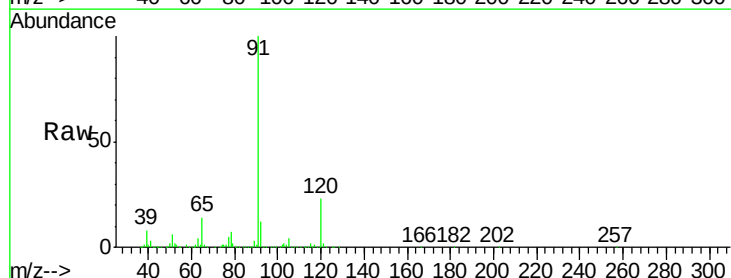
Manual Integrations
 APPROVED

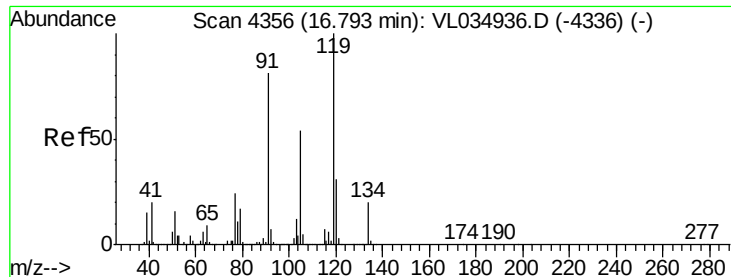
MMDadoda
 5/8/2020 5:22:58 PM



#64
 n-propylbenzene
 Concen: 9.237 ppbv
 RT: 15.61 min Scan# 3987
 Delta R.T. -0.00 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Tgt Ion	Ratio	Lower	Upper
120	100		
91	474.1	373.5	560.3





#65

tert-Butylbenzene

Concen: 9.074 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 3147387

Ion Ratio Lower Upper

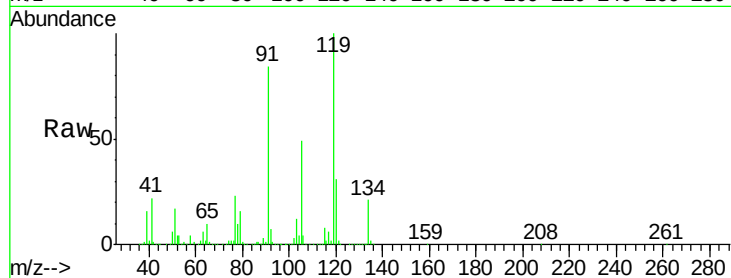
119 100

91 84.1 67.5 101.3

134 19.7 16.1 24.1

Manual Integrations
APPROVED

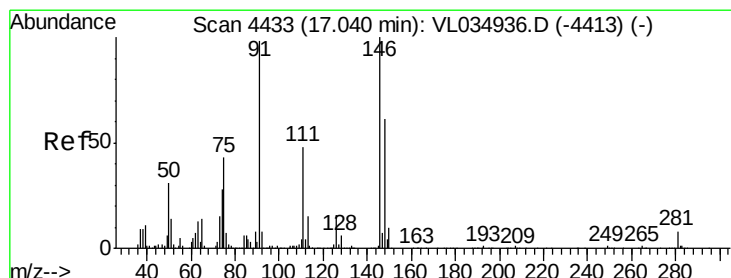
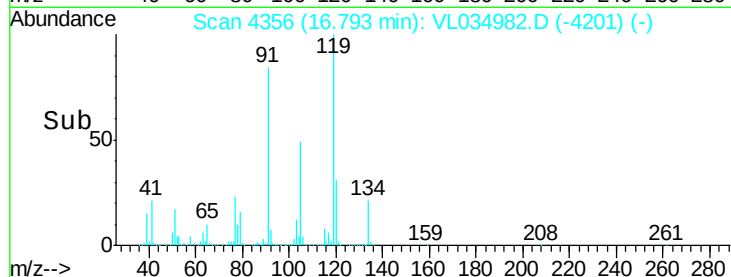
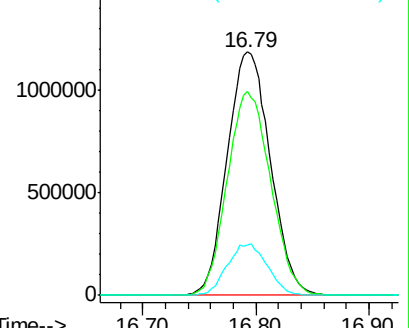
MMDadoda
5/8/2020 5:22:58 PM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.145 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. -0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

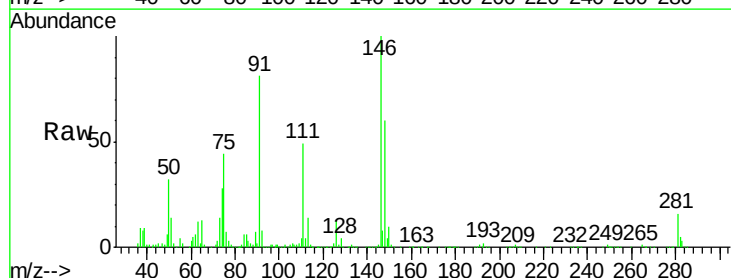
Tgt Ion: 91 Resp: 1076889

Ion Ratio Lower Upper

91 100

126 16.0 13.8 20.6

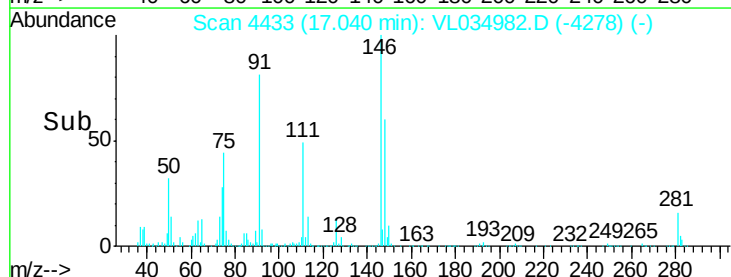
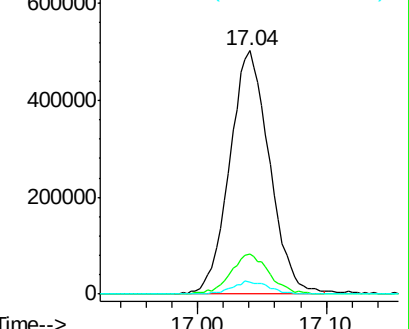
128 4.9 4.3 6.5

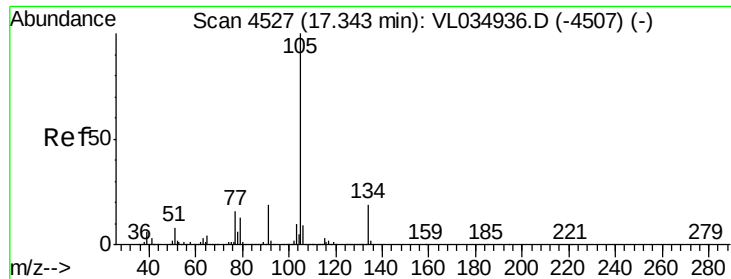


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.152 ppbv

RT: 17.34 min Scan# 4527

Delta R.T. -0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 4531656

Ion Ratio Lower Upper

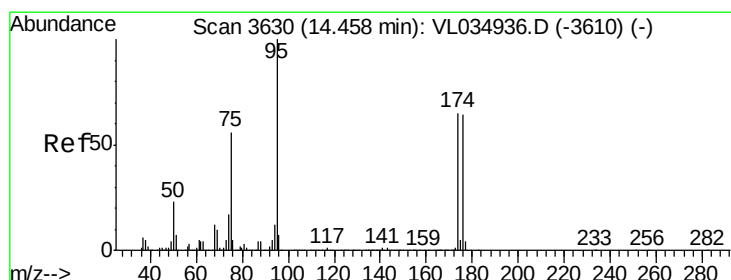
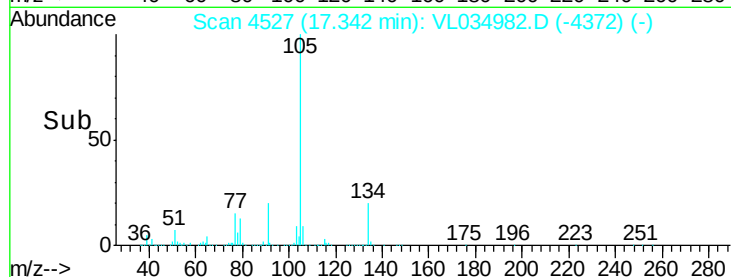
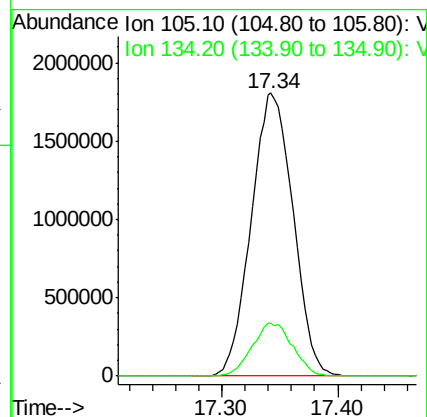
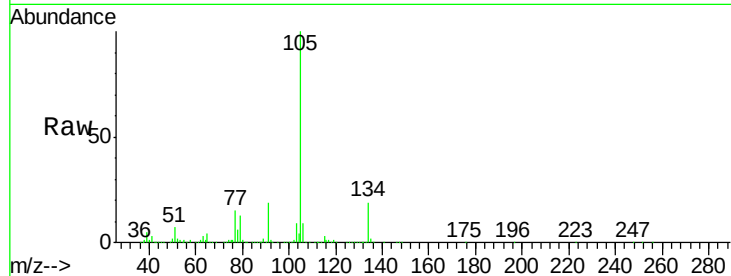
105 100

134 18.2 14.8 22.2

Manual Integrations
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5/8/2020 5:22:58 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.812 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

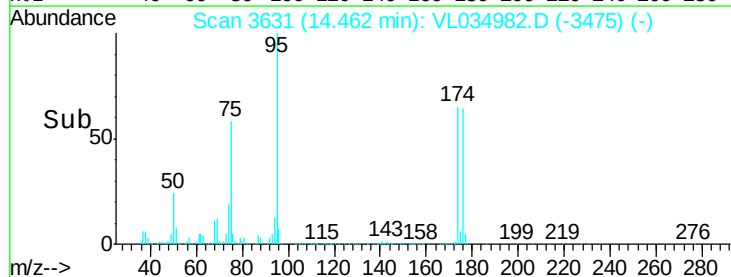
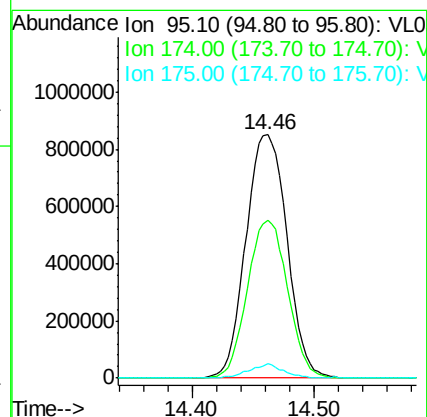
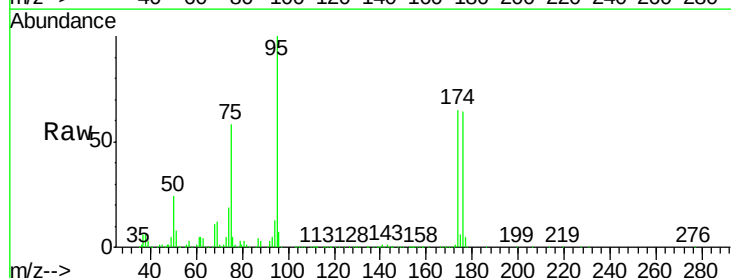
Tgt Ion: 95 Resp: 1981678

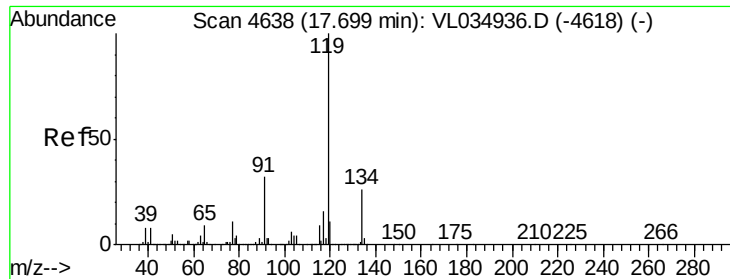
Ion Ratio Lower Upper

95 100

174 63.9 51.5 77.3

175 4.8 3.8 5.8





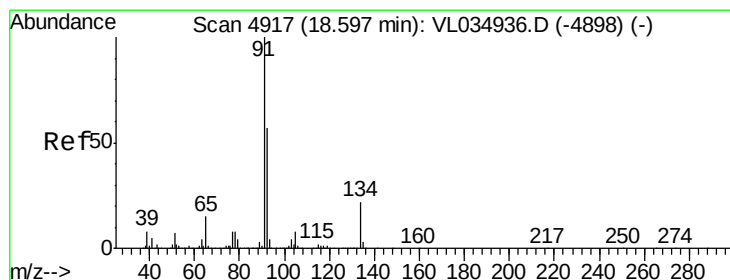
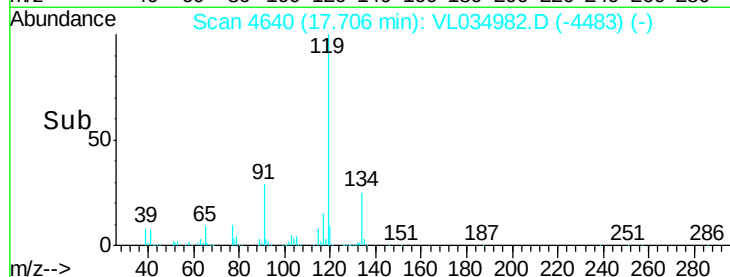
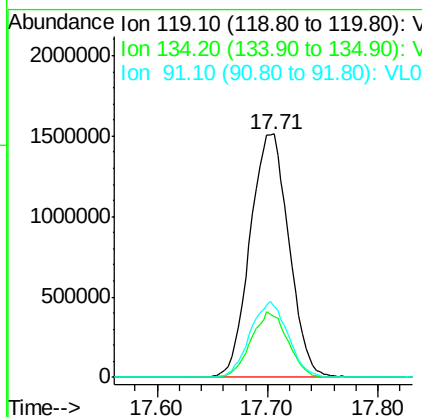
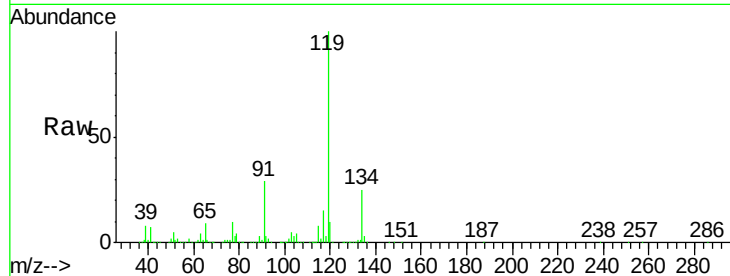
#69
 p-Isopropyltoluene
 Concen: 9.184 ppbv
 RT: 17.71 min Scan# 4640
 Delta R.T. 0.01 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.3	30.5
91	30.6	24.6	36.8

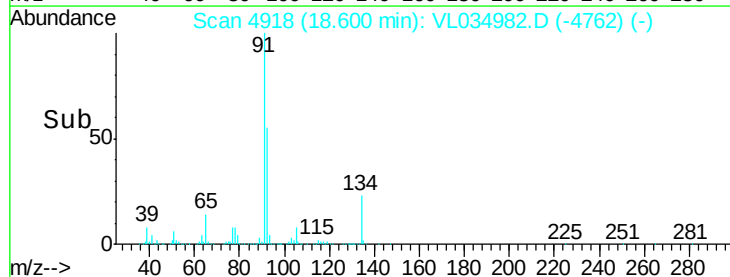
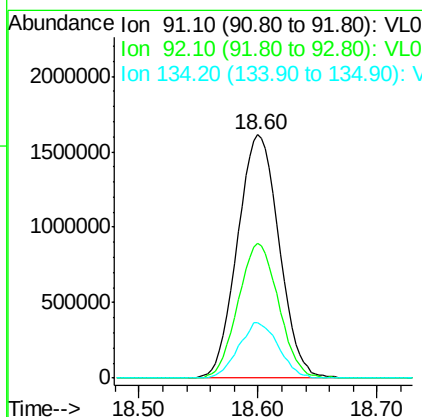
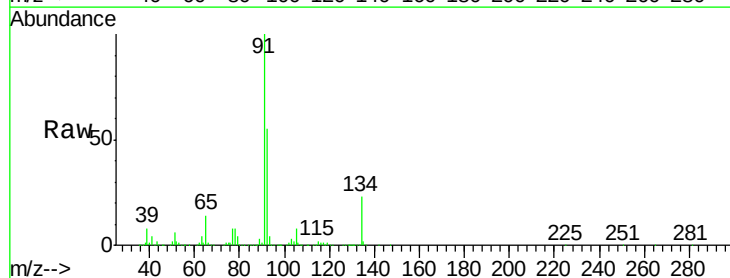
Manual Integrations
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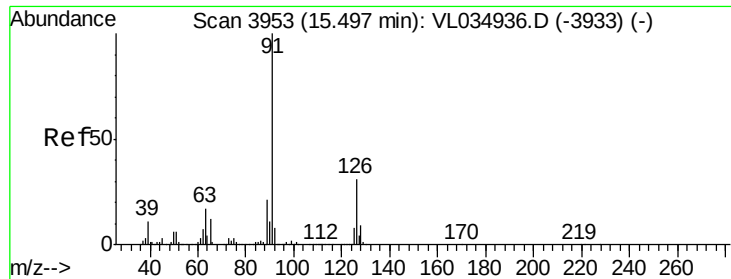
MMDadoda
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#70
 n-Butylbenzene
 Concen: 9.120 ppbv
 RT: 18.60 min Scan# 4918
 Delta R.T. 0.00 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.2	44.4	66.6
134	22.1	18.0	27.0





#71

2-Chlorotoluene

Concen: 9.340 ppbv

RT: 15.50 min Scan# 3954

Delta R.T. 0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2819668

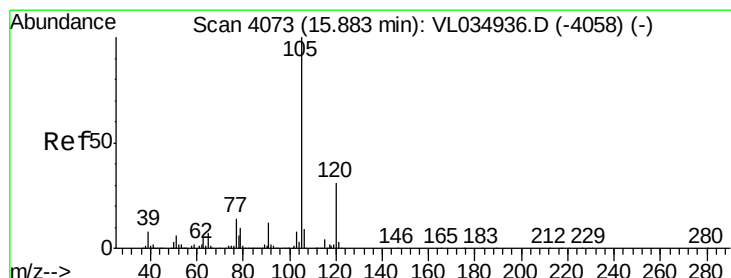
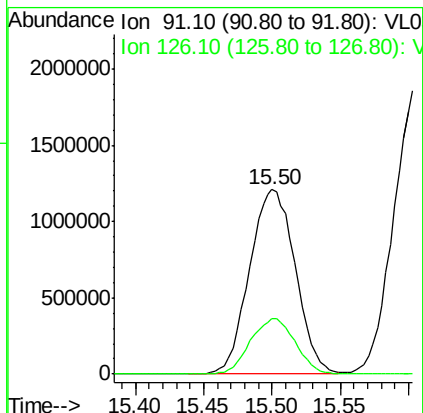
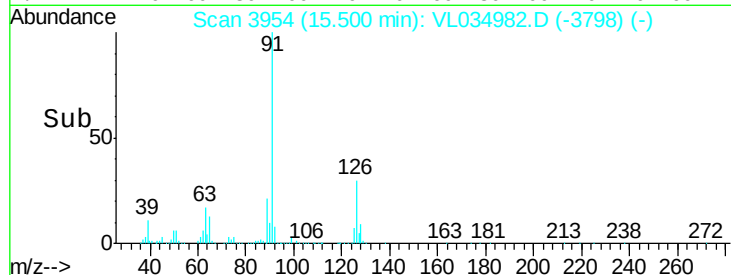
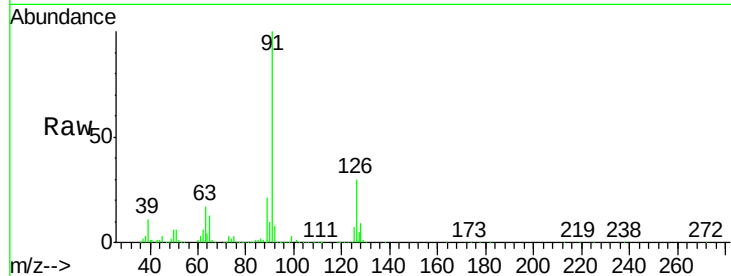
Ion Ratio Lower Upper

91 100

126 29.6 12.0 47.8

Manual Integrations
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5/8/2020 5:22:58 PM



#72

4-Ethyltoluene

Concen: 10.094 ppbv

RT: 15.89 min Scan# 4074

Delta R.T. 0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Tgt Ion: 105 Resp: 3016635

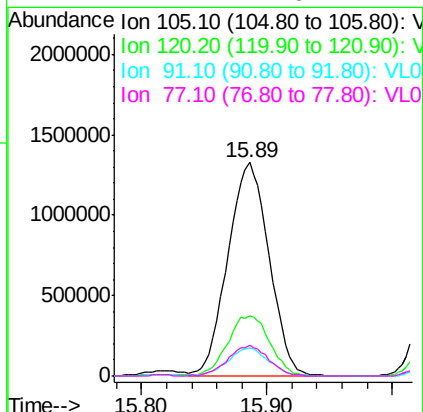
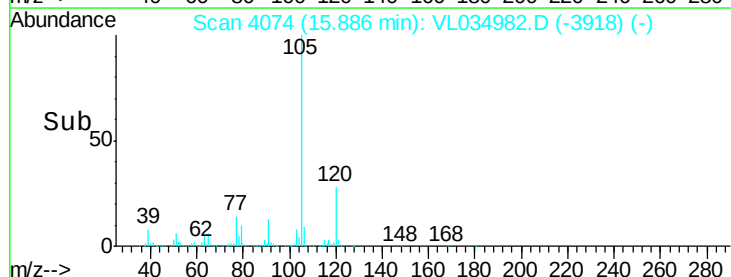
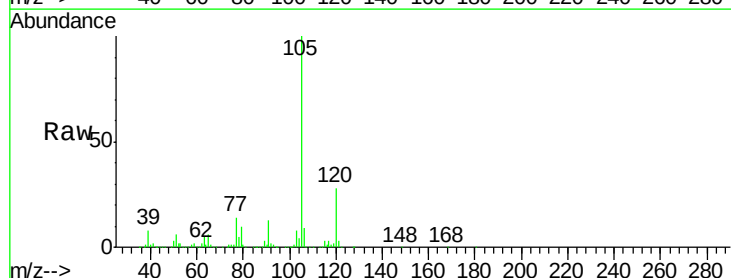
Ion Ratio Lower Upper

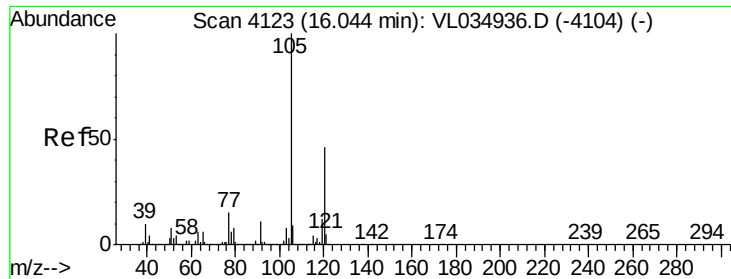
105 100

120 29.0 23.8 35.8

91 13.1 10.6 15.8

77 14.2 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.786 ppbv

RT: 16.04 min Scan# 4122

Delta R.T. -0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 2845999

Ion Ratio Lower Upper

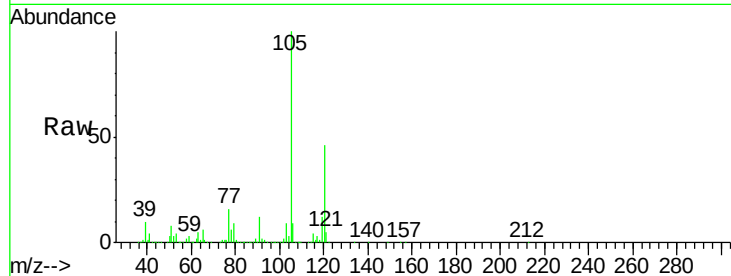
105 100

120 45.6 36.4 54.6

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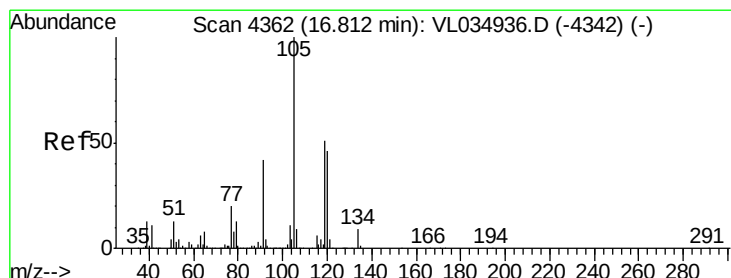
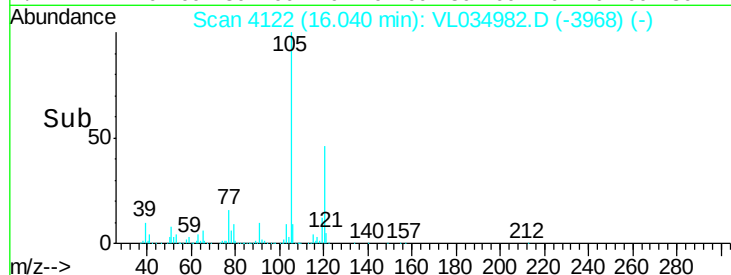
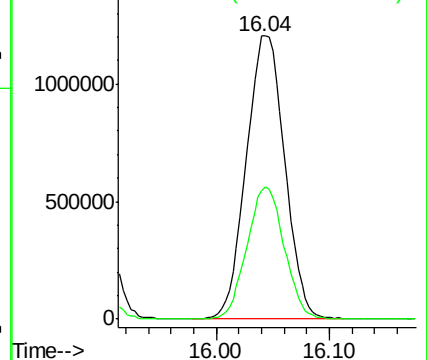
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.164 ppbv

RT: 16.82 min Scan# 4363

Delta R.T. 0.00 min

Lab File: VL034982.D

Acq: 8 May 2020 00:27

Tgt Ion:105 Resp: 2909082

Ion Ratio Lower Upper

105 100

120 47.4 36.8 55.2

91 38.9 35.4 53.0

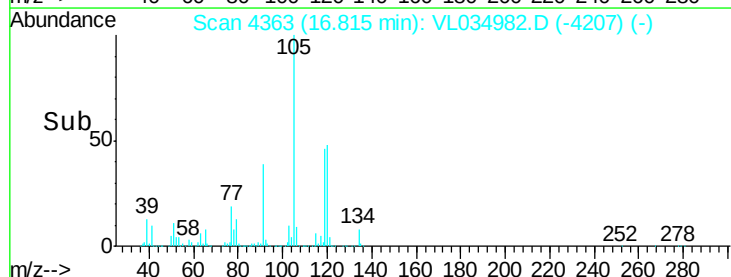
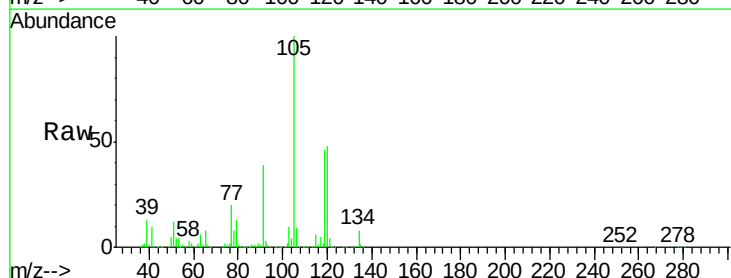
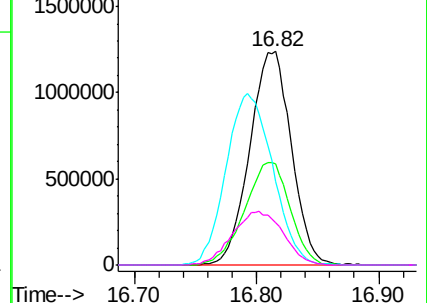
77 19.4 16.2 24.2

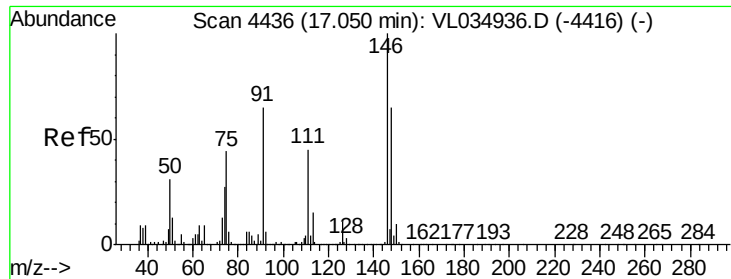
Abundance Ion 105.10 (104.80 to 105.80): V

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





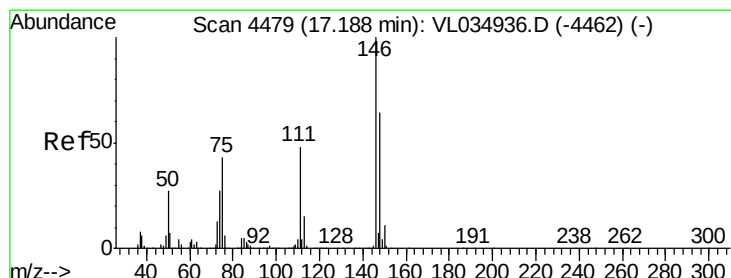
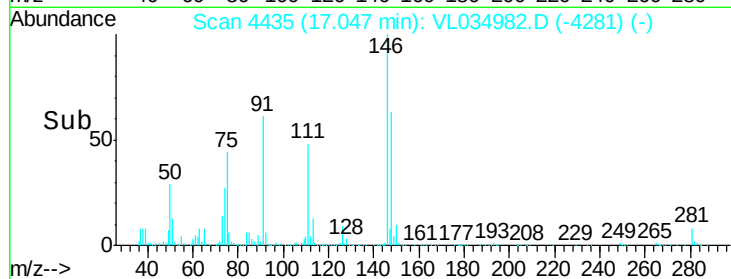
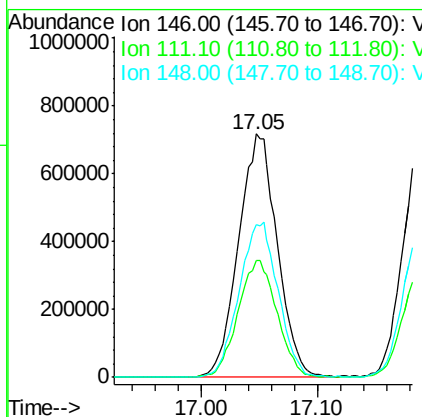
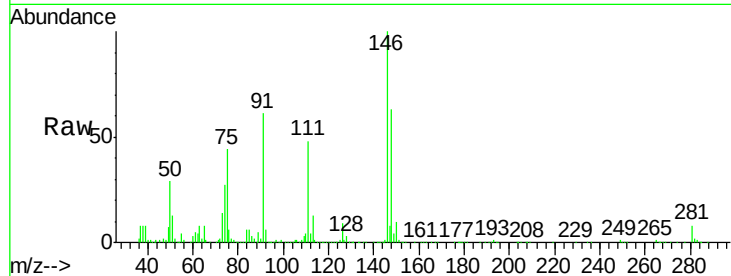
#75
 1,3-Dichlorobenzene
 Concen: 8.950 ppbv
 RT: 17.05 min Scan# 4435
 Delta R.T. -0.00 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.0	72.0
148	64.2	32.6	97.7

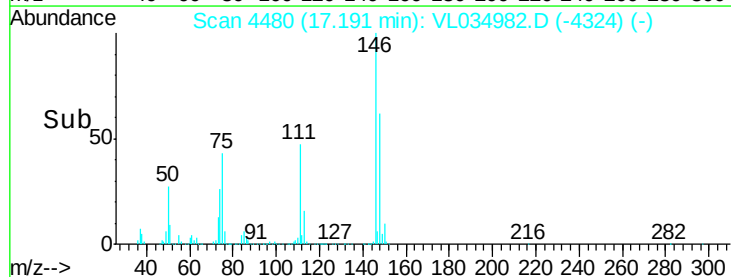
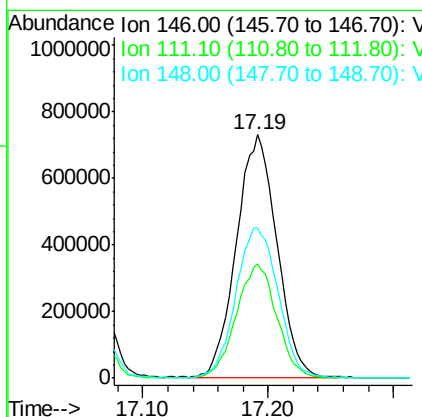
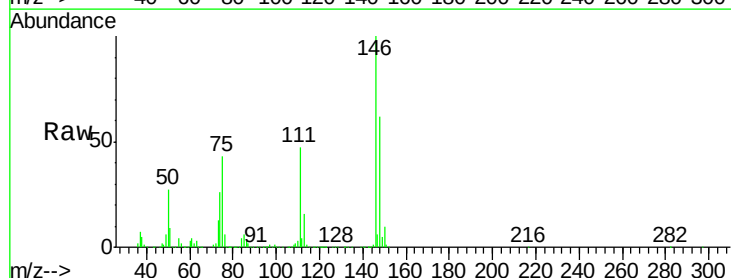
Manual Integrations
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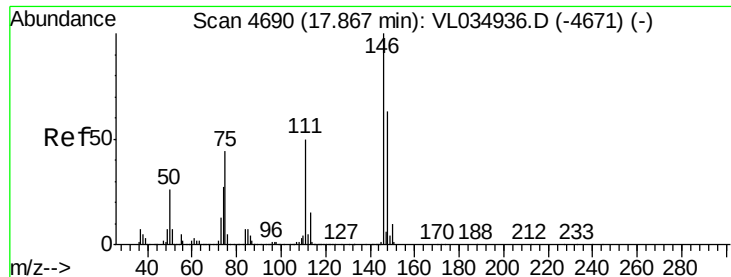
MMDadoda
 5/8/2020 5:22:58 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.185 ppbv
 RT: 17.19 min Scan# 4480
 Delta R.T. 0.00 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.7	71.1
148	65.2	32.6	97.8





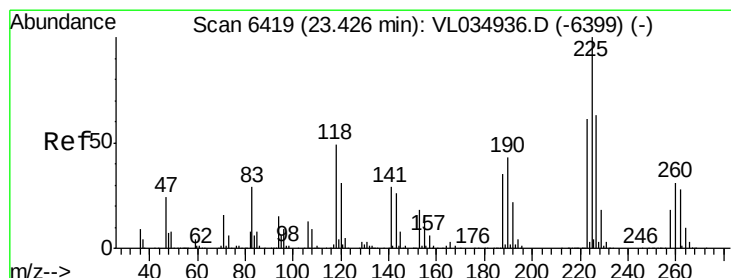
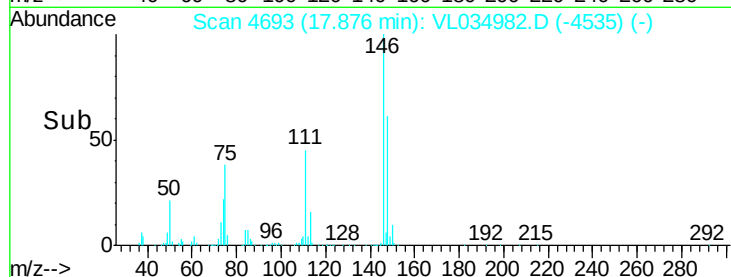
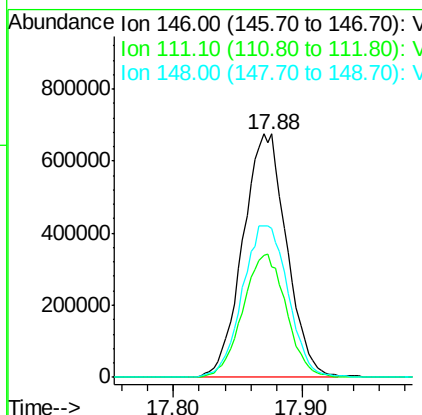
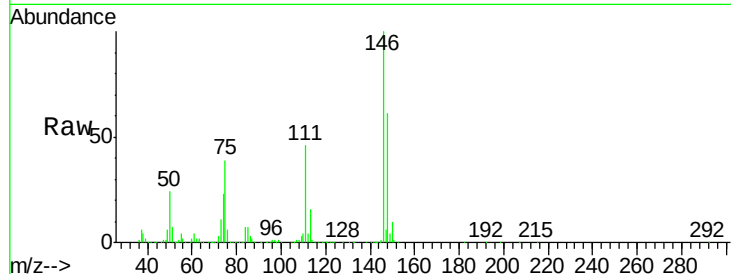
#77
 1,2-Dichlorobenzene
 Concen: 9.066 ppbv
 RT: 17.88 min Scan# 4693
 Delta R.T. 0.01 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1592328
 Ion Ratio Lower Upper
 146 100
 111 50.3 24.5 73.5
 148 65.2 31.7 95.1

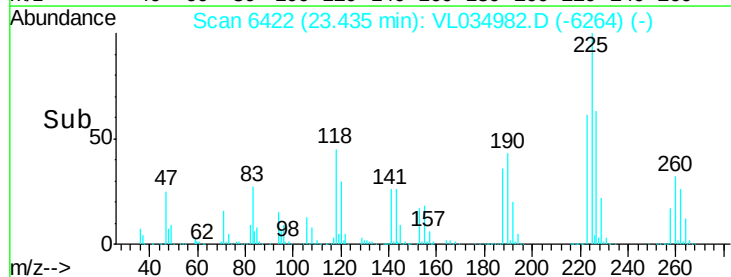
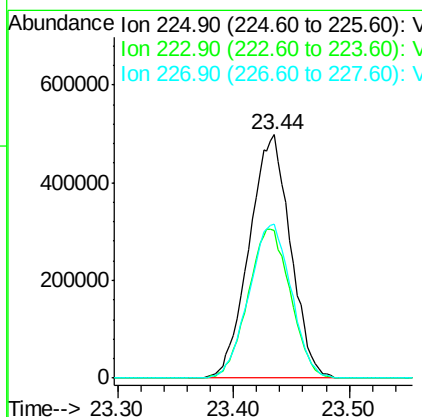
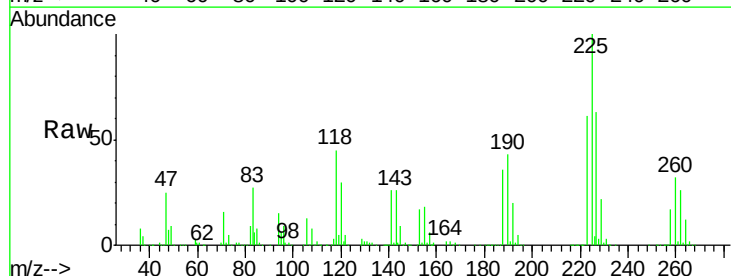
Manual Integrations
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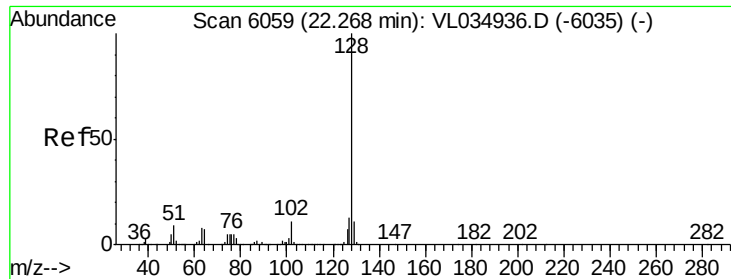
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.222 ppbv
 RT: 23.44 min Scan# 6422
 Delta R.T. 0.01 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Tgt Ion:225 Resp: 1231004
 Ion Ratio Lower Upper
 225 100
 223 63.0 49.8 74.8
 227 64.7 51.8 77.6





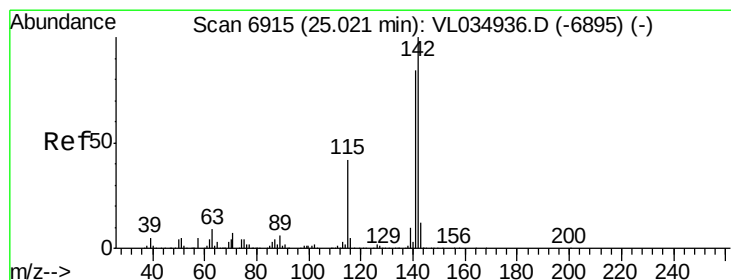
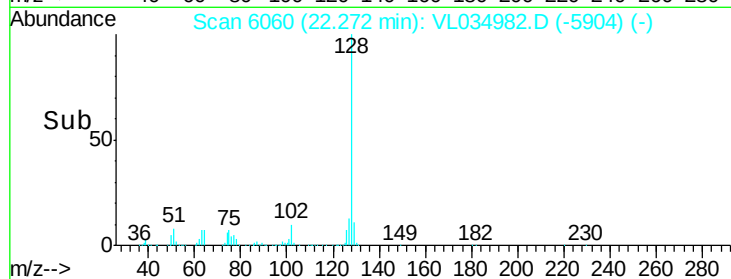
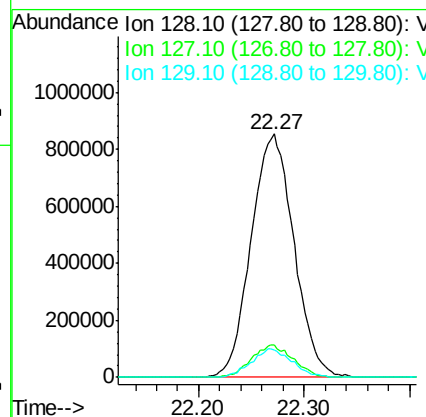
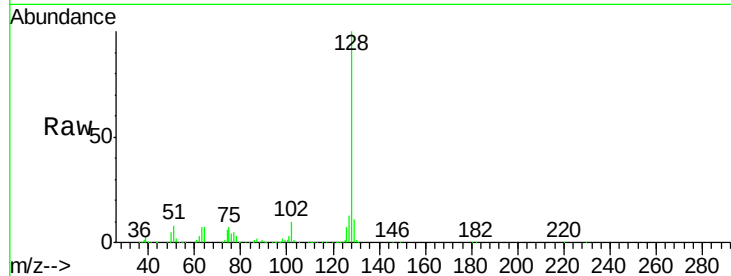
#79
Naphthalene
Concen: 9.740 ppbv
RT: 22.27 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:128 Resp: 2407975
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 11.0 9.0 13.4

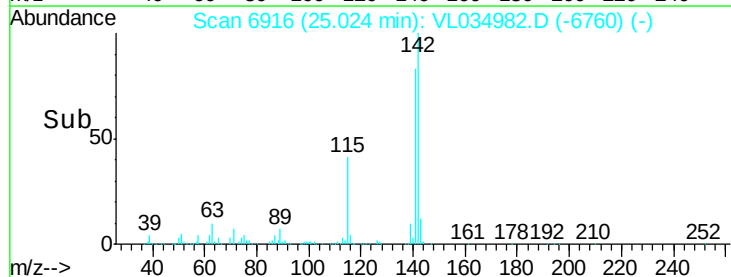
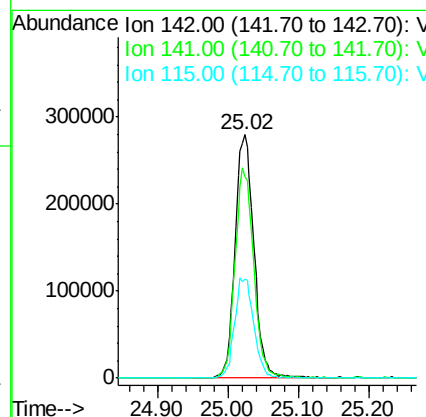
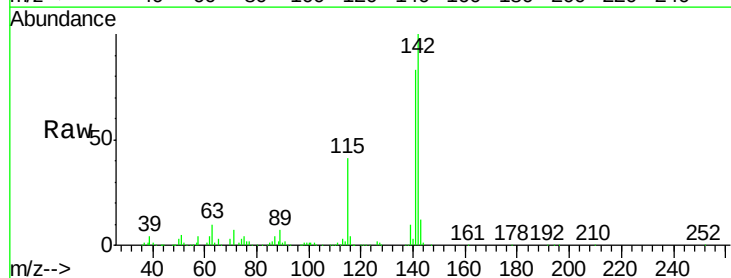
Manual Integrations
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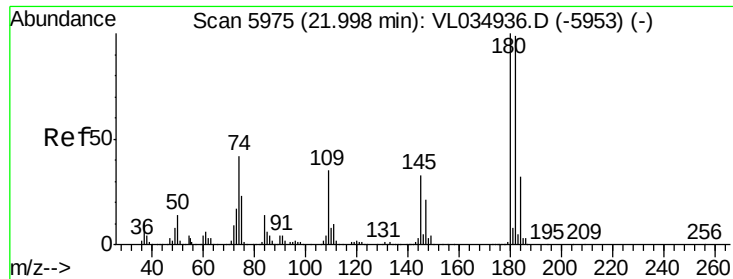
MMDadoda
5/8/2020 5:22:58 PM



#80
Naphthalene, 2-methyl-
Concen: 8.659 ppbv
RT: 25.02 min Scan# 6916
Delta R.T. 0.00 min
Lab File: VL034982.D
Acq: 8 May 2020 00:27

Tgt Ion:142 Resp: 526184
Ion Ratio Lower Upper
142 100
141 85.3 68.6 102.8
115 41.9 33.9 50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 8.999 ppbv
 RT: 22.00 min Scan# 5975
 Delta R.T. -0.00 min
 Lab File: VL034982.D
 Acq: 8 May 2020 00:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.5	116.3
184	31.2	24.8	37.2

Manual Integrations
 APPROVED

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 5/8/2020 5:22:58 PM

