

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL035016.D
 Acq On : 13 May 2020 10:34
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 2:08:52 PM

Quant Time: May 14 01:16:11 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	5.65	49	772651	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	1909996	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	1916254	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1408951	9.08	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.00	85	981376	8.949 ppbv	97
3) Chlorodifluoromethane	2.93	51	881116	9.988 ppbv	95
4) Chloromethane	3.09	50	509360	10.075 ppbv	100
5) Vinyl Chloride	3.21	62	483540	9.805 ppbv	97
6) Bromomethane	3.43	94	286782	9.739 ppbv	98
7) Chloroethane	3.51	64	178818	10.096 ppbv	95
8) Dichlorotetrafluoroethane	3.14	85	1061400	9.353 ppbv	94
9) Propene	2.96	41	446073	11.653 ppbv	99
10) Heptane	8.12	43	1111964	11.595 ppbv	95
11) Trichlorofluoromethane	3.91	101	1064238	9.412 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	763030	9.477 ppbv	96
13) Ethanol	3.56	45	98293	7.782 ppbv	99
14) Bromoethene	3.69	108	349465	10.503 ppbv	100
15) Acetone	3.81	43	891801	8.730 ppbv	99
16) 1,3-Butadiene	3.28	39	472664	10.753 ppbv	95
17) tert-Butyl alcohol	4.25	59	878198	9.663 ppbv	100
18) 1,1-Dichloroethene	4.25	96	357507	10.235 ppbv	91
19) Isopropyl Alcohol	3.93	45	595839	8.747 ppbv	99
20) Methylene Chloride	4.30	84	307287	9.088 ppbv	99
21) Allyl Chloride	4.38	41	618885	10.726 ppbv	98
22) trans-1,2-Dichloroethene	4.85	96	351870	10.170 ppbv	98
23) Vinyl Acetate	5.04	43	1447328	11.174 ppbv	99
24) 1,1-Dichloroethane	4.98	63	970823	9.731 ppbv	98
25) Ethyl Acetate	5.65	43	1848709	10.775 ppbv	99
26) Hexane	5.66	57	802798	10.792 ppbv	98
27) Carbon Disulfide	4.51	76	832087	9.491 ppbv	99
28) Methyl tert-Butyl Ether	5.00	73	1246897	11.006 ppbv	98
29) Chloroform	5.73	83	1128531	9.272 ppbv	99
30) Cyclohexane	7.12	84	673840	11.739 ppbv	97
31) cis-1,2-Dichloroethene	5.52	61	808075	11.134 ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1043924	9.498 ppbv	99
34) 2-Butanone	5.21	43	1256539	10.585 ppbv	98
35) Carbon Tetrachloride	7.01	117	1031723	8.558 ppbv	97
36) Benzene	6.88	78	1633766	10.375 ppbv	98
37) 1,2-Dichloroethane	6.29	62	876244	9.021 ppbv	99
38) Trichloroethene	7.83	130	643270	10.544 ppbv	98
39) 1,2-Dichloropropane	7.61	63	640279	10.143 ppbv	97
40) 1,4-Dioxane	7.82	88	230883	8.998 ppbv	78
41) Tetrahydrofuran	6.02	42	728542	11.657 ppbv	96
42) Bromodichloromethane	7.79	83	1151619	8.791 ppbv	98
43) Methyl Methacrylate	8.01	69	719921	10.827 ppbv	95

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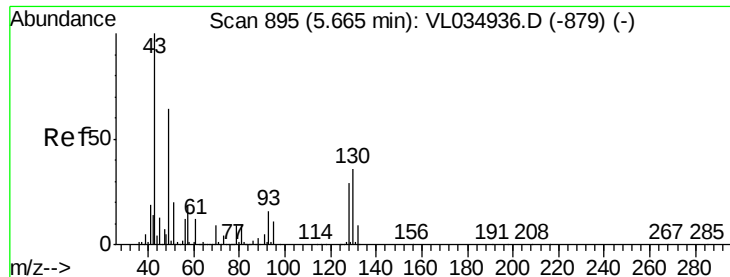
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	2781458	9.935	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	754192	11.239	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	927210	11.255	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	646421	9.704	ppbv	92
48) Dibromochloromethane	10.31	129	961333	9.384	ppbv	100
49) Bromoform	13.07	173	799670	9.072	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1810167	10.694	ppbv	98
51) 2-Hexanone	10.13	43	1498422	11.317	ppbv #	97
52) Tetrachloroethene	11.24	164	663971	11.858	ppbv	98
53) Toluene	9.81	91	1878441	11.253	ppbv	100
54) 1,2-Dibromoethane	10.62	107	974368	9.961	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.14	131	731052	8.460	ppbv	94
57) Chlorobenzene	12.16	112	1360556	8.962	ppbv	95
58) Ethyl Benzene	12.73	91	2469667	10.422	ppbv	99
59) m/p-Xylene	13.01	91	3927787m	18.840	ppbv	
60) o-Xylene	13.71	91	1899299	9.232	ppbv	99
61) Styrene	13.55	104	1453321	11.163	ppbv	97
62) Isopropylbenzene	14.69	105	2905768	9.460	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1272040	7.855	ppbv	99
64) n-propylbenzene	15.58	120	752504m	9.551	ppbv	
65) tert-Butylbenzene	16.77	119	2503387	9.397	ppbv	96
66) Benzyl Chloride	17.01	91	738619	8.167	ppbv	99
67) sec-Butylbenzene	17.32	105	3570568	9.389	ppbv	99
69) p-Isopropyltoluene	17.68	119	3035602	9.867	ppbv	98
70) n-Butylbenzene	18.58	91	3168345	9.676	ppbv	99
71) 2-Chlorotoluene	15.48	91	2207734	9.522	ppbv	98
72) 4-Ethyltoluene	15.86	105	2318322	10.100	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	2149304	9.622	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	2206684	9.051	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	1309323	9.145	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	1319352	9.699	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1305782	9.680	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1182865	10.287	ppbv	99
79) Naphthalene	22.24	128	2732134	14.390	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	831507	17.816	ppbv	98
81) 1,2,4-Trichlorobenzene	21.97	180	1406149	12.213	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.02 min

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MSVOA_L

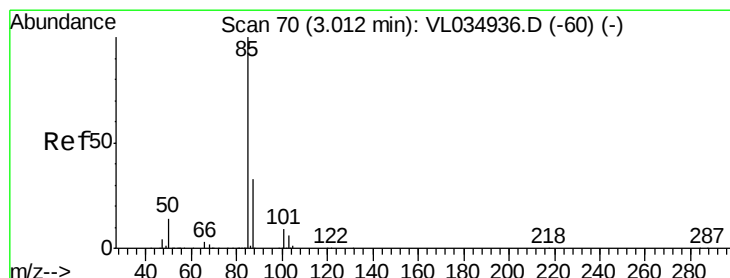
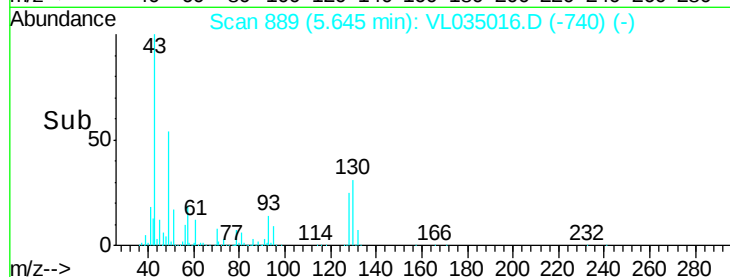
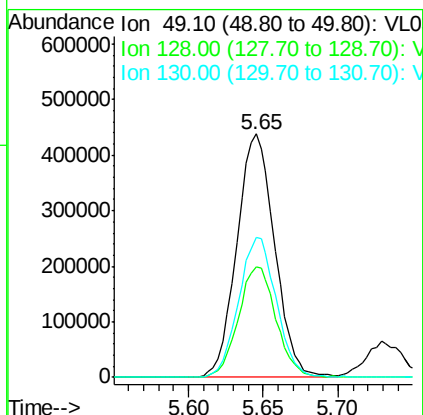
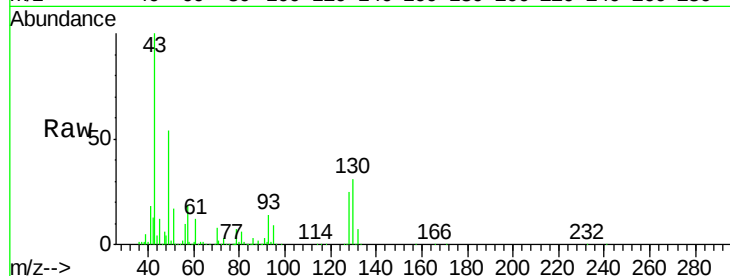
ClientSampleId :

VSTDCCC010EC

Tot Ion:	49	Resp:	772651
Ion Ratio	Lower	Upper	
49	100		
128	45.4	22.1	66.5
130	57.5	29.1	87.3

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#2

Dichlorodifluoromethane

Concen: 8.949 ppbv

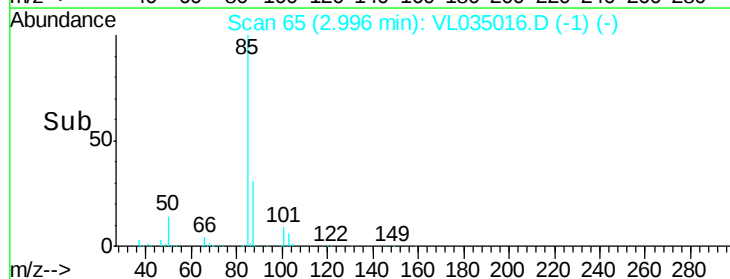
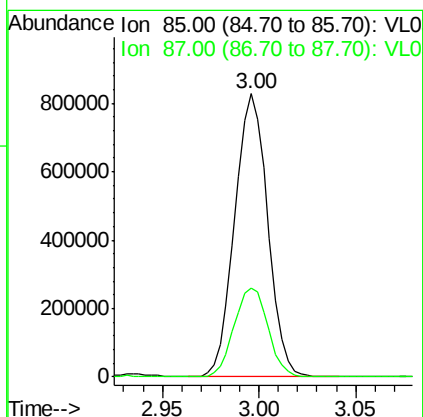
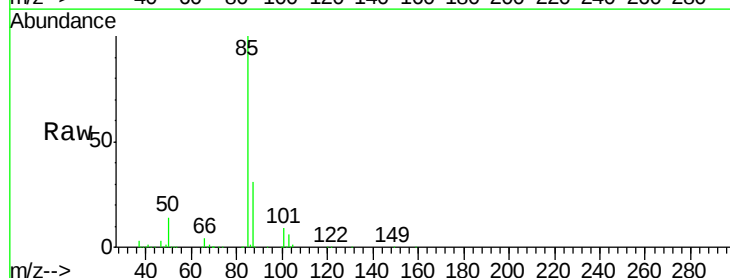
RT: 3.00 min Scan# 65

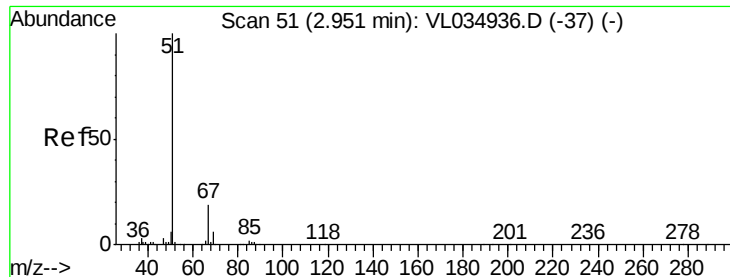
Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Tgt Ion:	85	Resp:	981376
Ion Ratio	Lower	Upper	
85	100		
87	31.2	26.2	39.2





#3

Chlorodifluoromethane

Concen: 9.988 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Tot Ion: 51 Resp: 881116

Ion Ratio Lower Upper

51 100

67 16.8 15.0 22.6

Instrument :

MSVOA_L

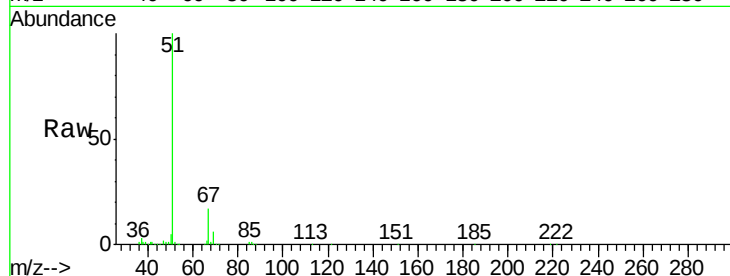
ClientSampleId :

VSTDCCC010EC

Manual Integrations
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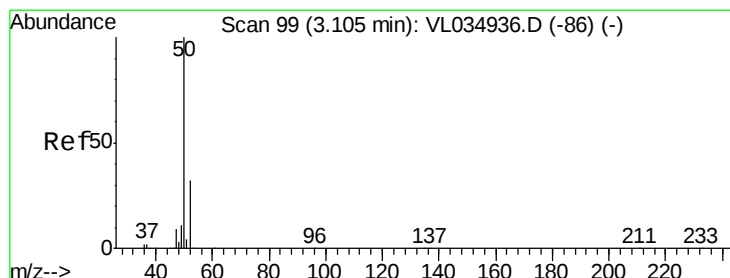
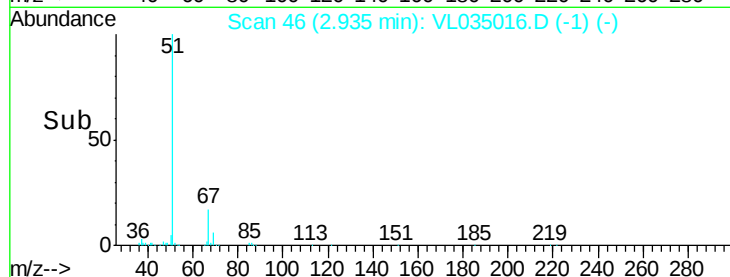
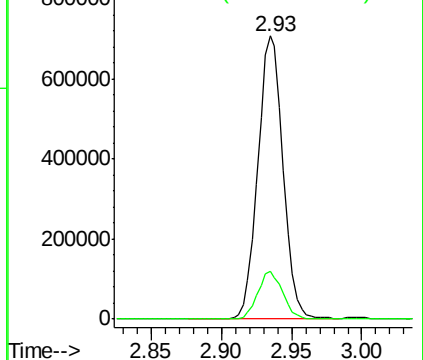
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.075 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.02 min

Lab File: VL035016.D

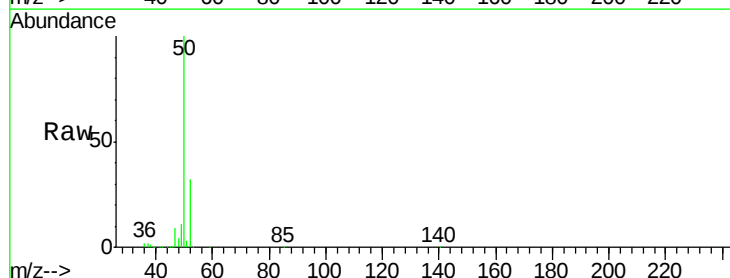
Acq: 13 May 2020 10:34

Tgt Ion: 50 Resp: 509360

Ion Ratio Lower Upper

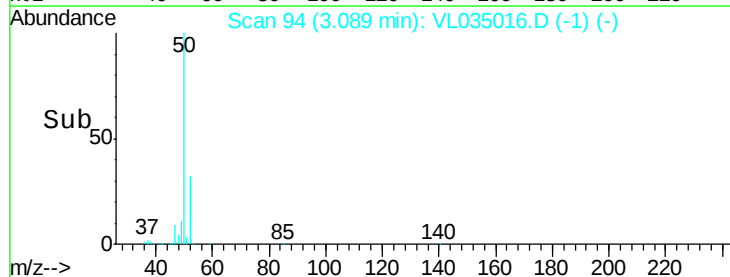
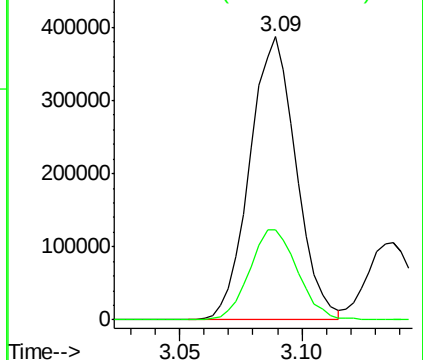
50 100

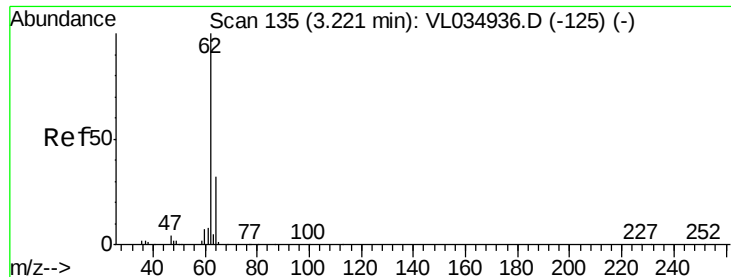
52 32.1 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.805 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.01 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 483540

Ion Ratio Lower Upper

62 100

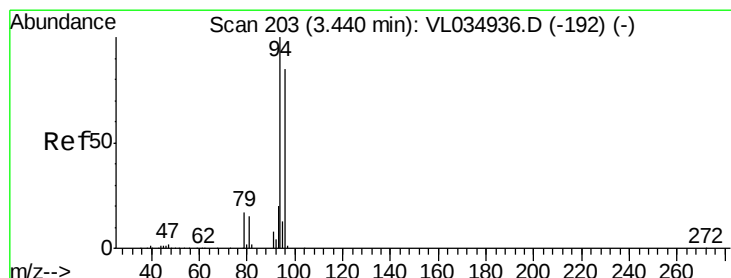
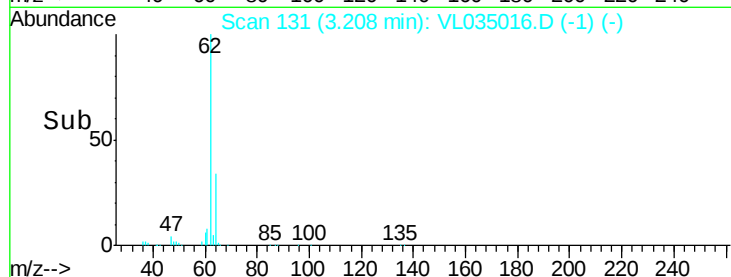
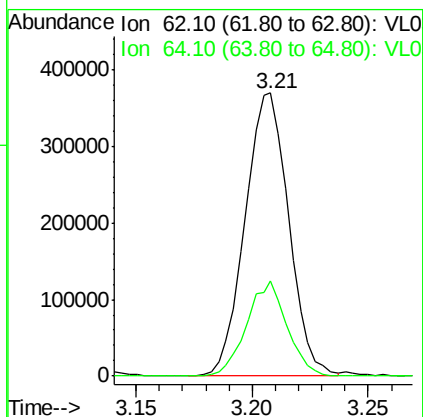
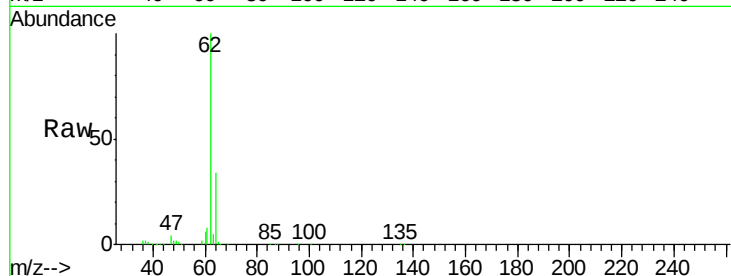
64 33.7 25.7 38.5

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#6

Bromomethane

Concen: 9.739 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL035016.D

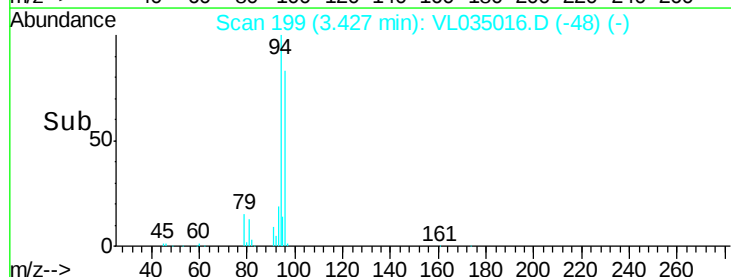
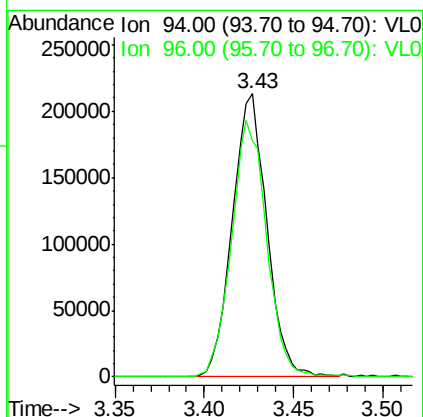
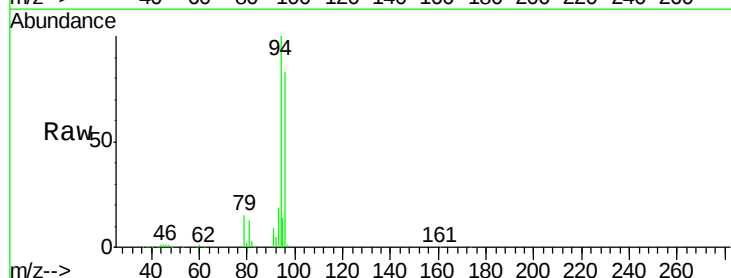
Acq: 13 May 2020 10:34

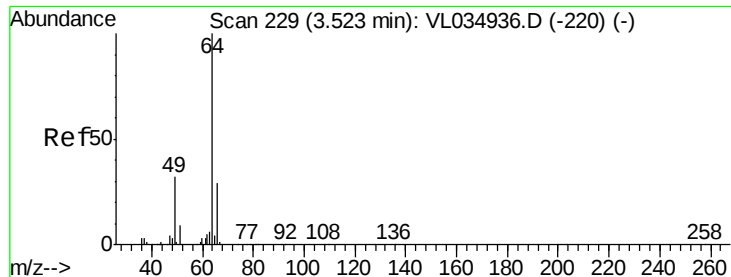
Tgt Ion: 94 Resp: 286782

Ion Ratio Lower Upper

94 100

96 83.0 67.9 101.9





#7

Chloroethane

Concen: 10.096 ppbv

RT: 3.51 min Scan# 225

Delta R.T. -0.01 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 178818

Ion Ratio Lower Upper

64 100

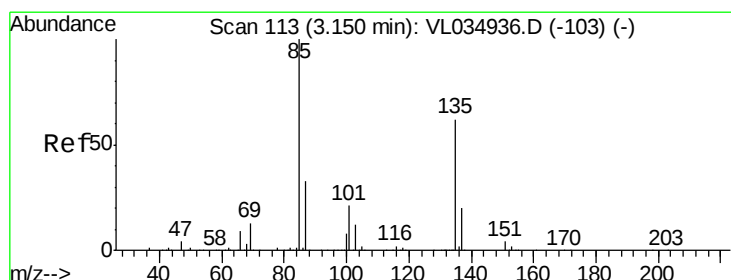
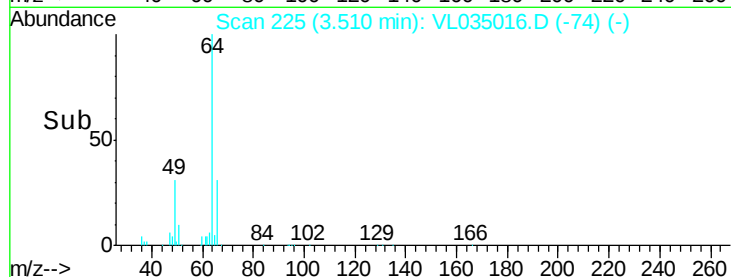
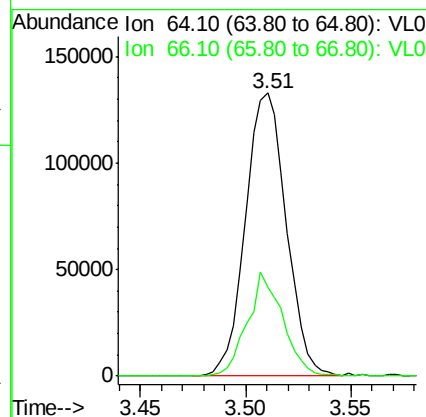
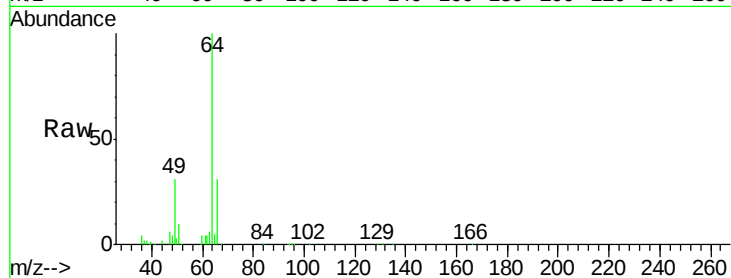
66 31.5 23.2 34.8

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#8

Dichlorotetrafluoroethane

Concen: 9.353 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL035016.D

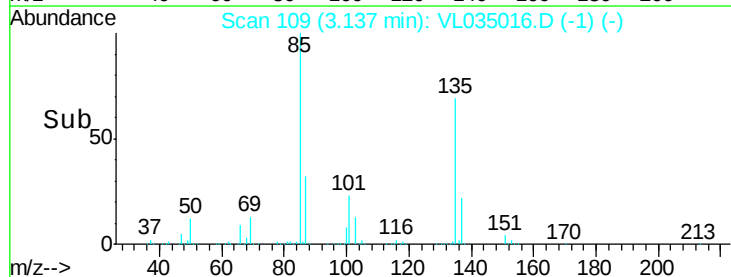
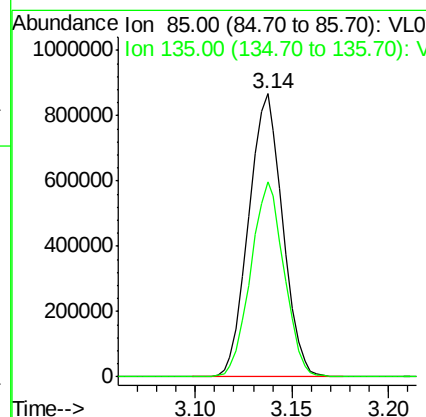
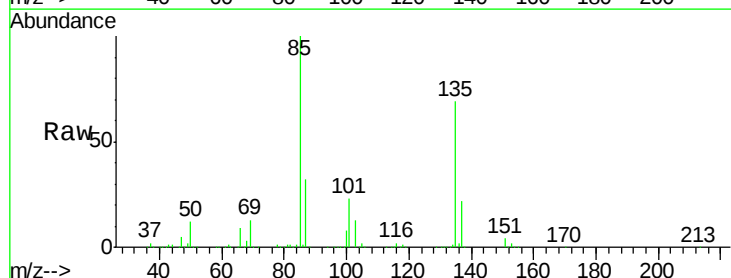
Acq: 13 May 2020 10:34

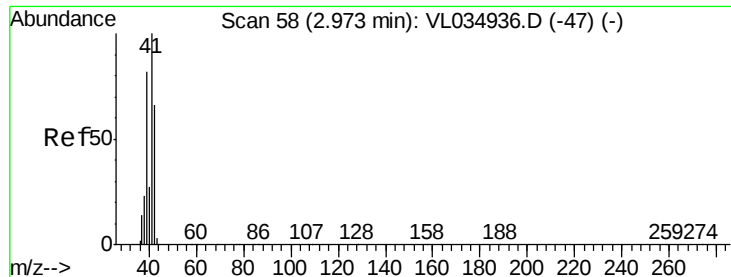
Tgt Ion: 85 Resp: 1061400

Ion Ratio Lower Upper

85 100

135 68.1 50.9 76.3





#9

Propene

Concen: 11.653 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 446073

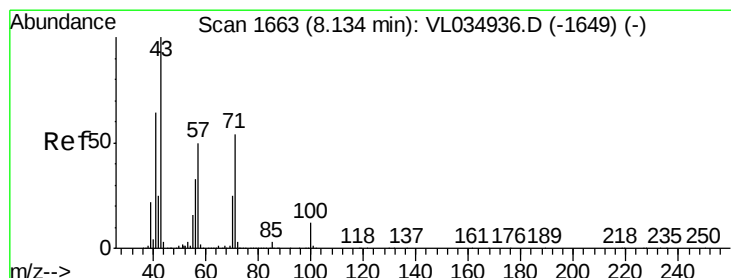
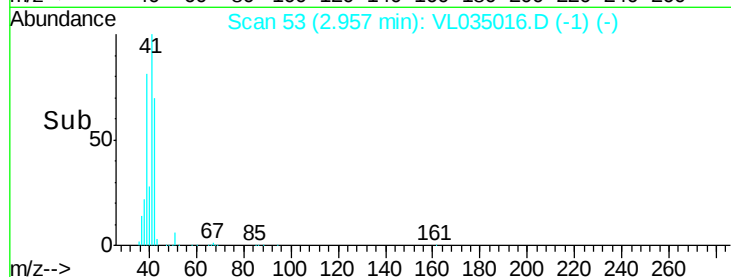
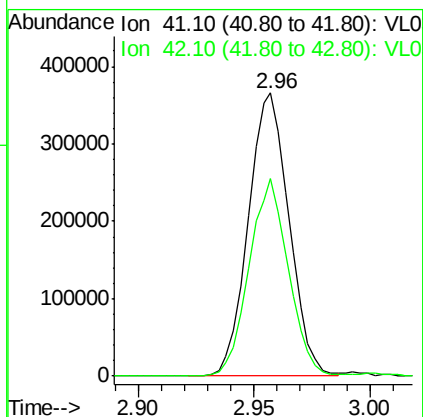
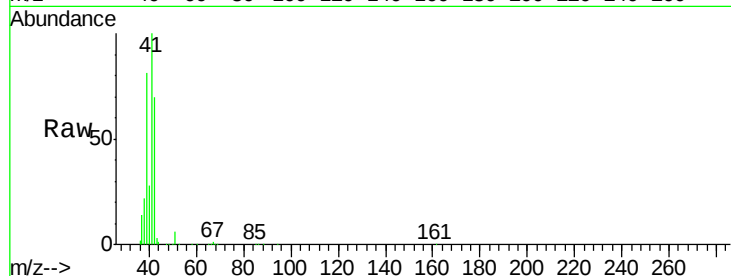
Ion Ratio Lower Upper

41 100

42 68.7 54.5 81.7

Manual Integrations
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#10

Heptane

Concen: 11.595 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.02 min

Lab File: VL035016.D

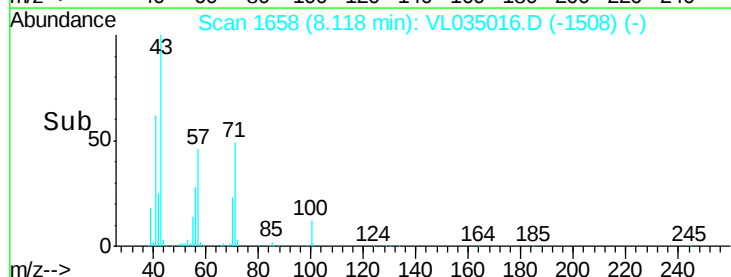
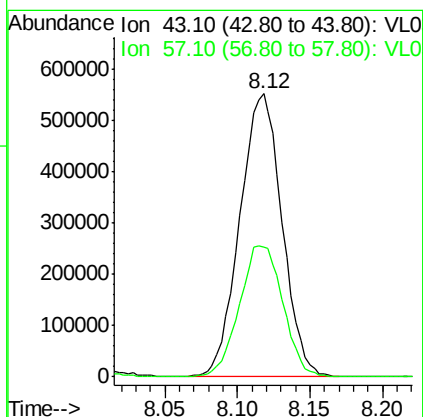
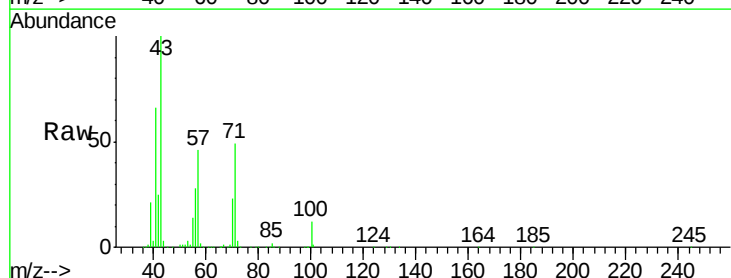
Acq: 13 May 2020 10:34

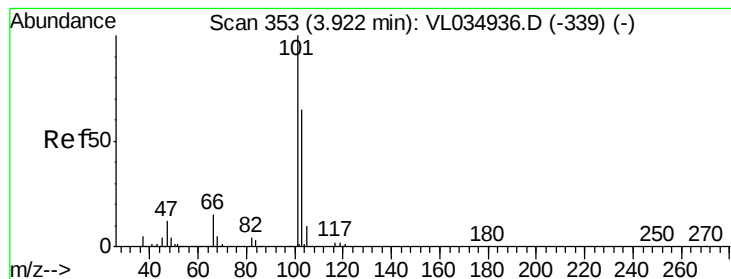
Tgt Ion: 43 Resp: 1111964

Ion Ratio Lower Upper

43 100

57 47.8 41.1 61.7





#11

Trichlorofluoromethane

Concen: 9.412 ppbv

RT: 3.91 min Scan# 348

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 1064238

Ion Ratio Lower Upper

101 100

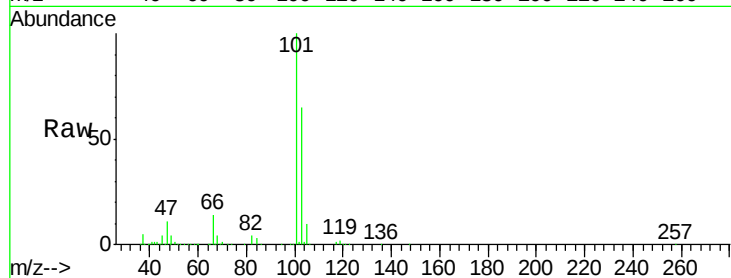
103 65.4 51.9 77.9

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.91

800000

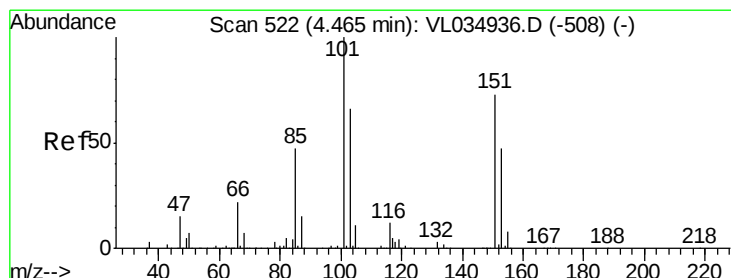
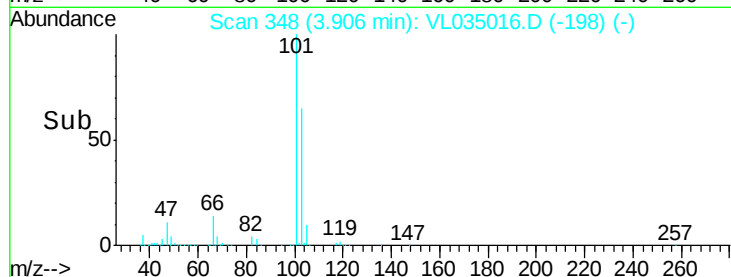
600000

400000

200000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.477 ppbv

RT: 4.45 min Scan# 516

Delta R.T. -0.02 min

Lab File: VL035016.D

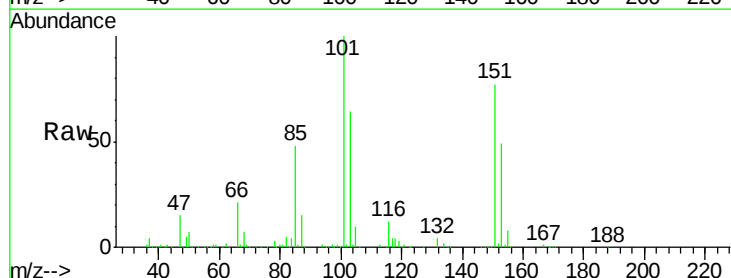
Acq: 13 May 2020 10:34

Tgt Ion:101 Resp: 763030

Ion Ratio Lower Upper

101 100

151 75.1 57.6 86.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.45

500000

400000

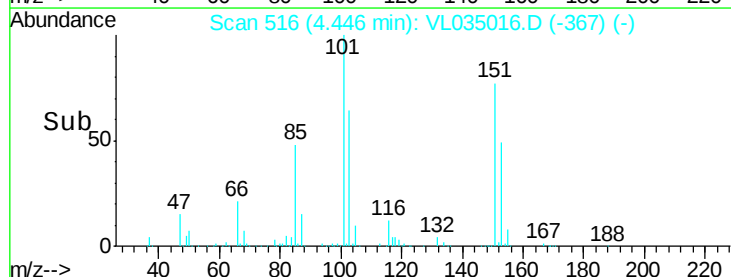
300000

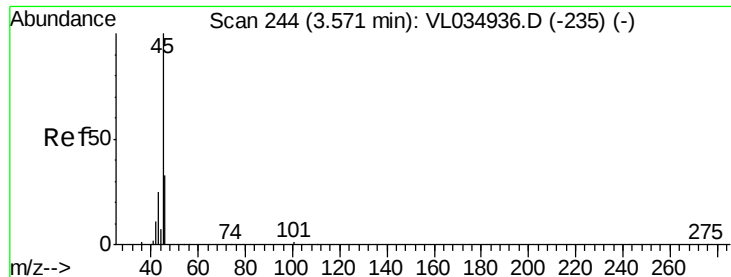
200000

100000

0

Time-->





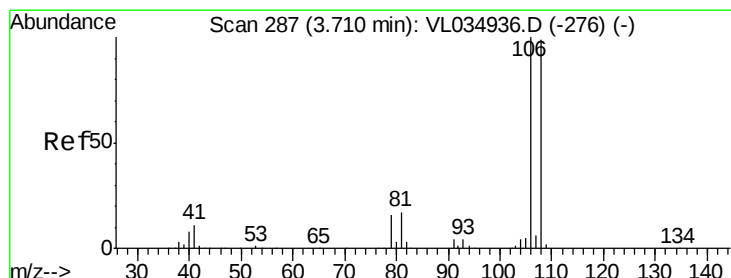
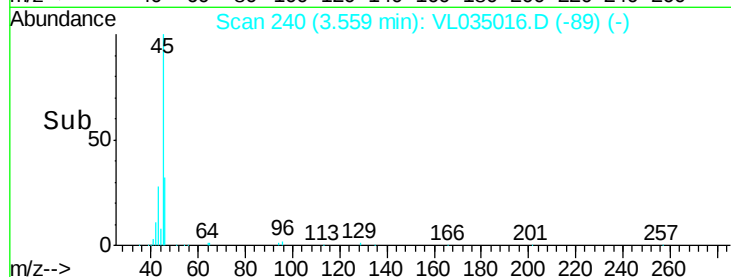
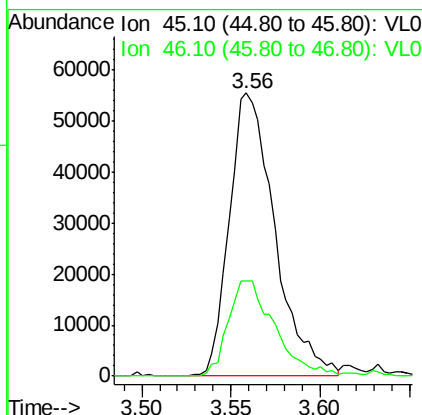
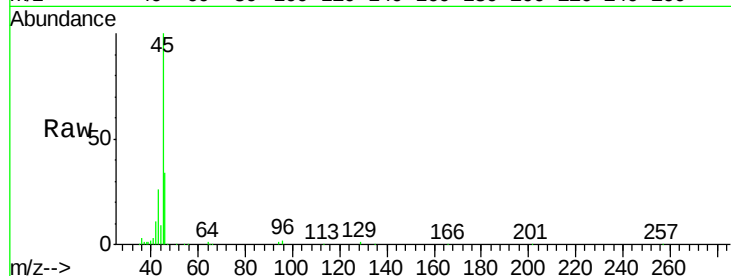
#13
Ethanol
Concen: 7.782 ppbv
RT: 3.56 min Scan# 240
Delta R.T. -0.01 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 98293
Ion Ratio Lower Upper
45 100
46 35.5 14.3 57.3

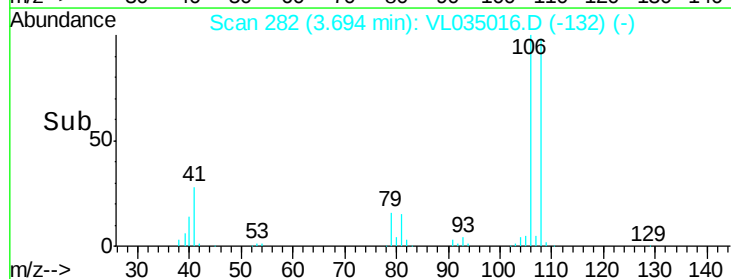
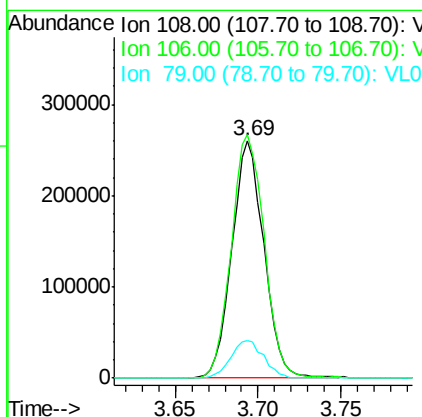
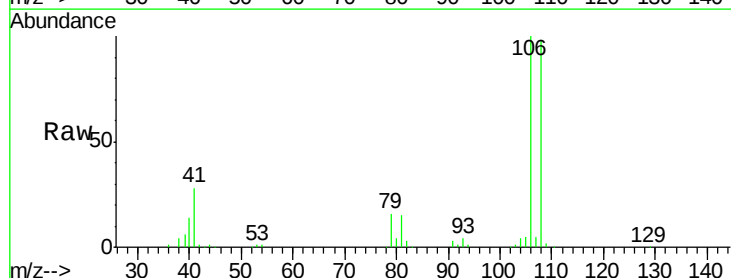
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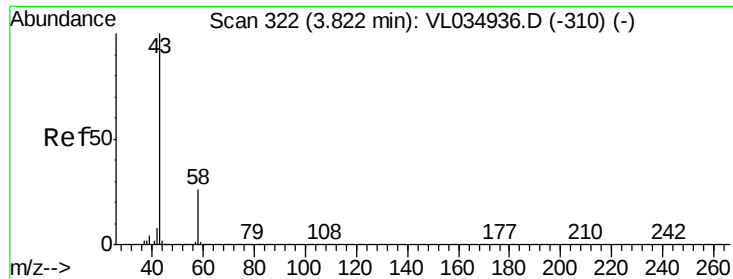
MMDadoda
5/18/2020 2:08:52 PM



#14
Bromoethene
Concen: 10.503 ppbv
RT: 3.69 min Scan# 282
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 108 Resp: 349465
Ion Ratio Lower Upper
108 100
106 106.0 84.9 127.3
79 16.6 14.1 21.1





#15

Acetone

Concen: 8.730 ppbv

RT: 3.81 min Scan# 317

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 891801

Ion Ratio Lower Upper

43 100

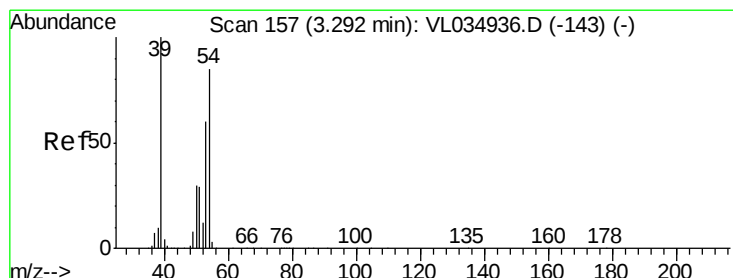
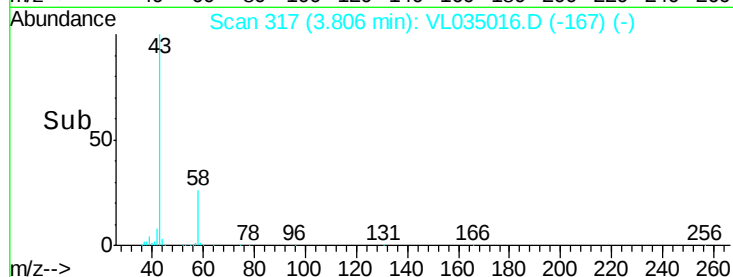
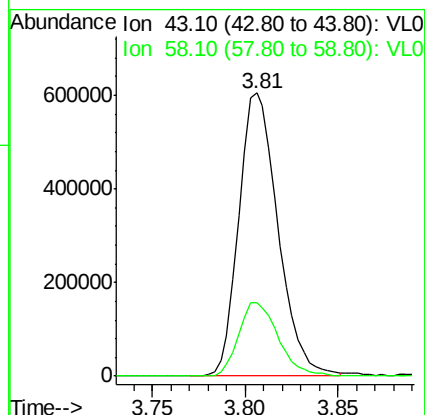
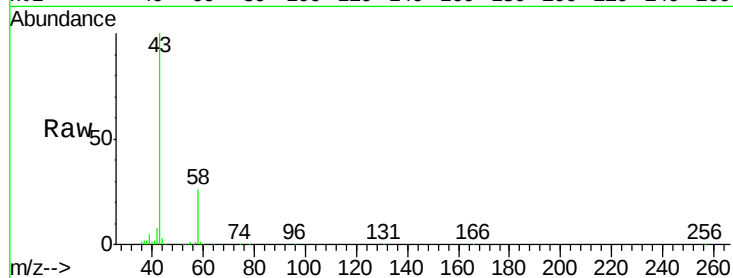
58 26.5 21.7 32.5

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#16

1,3-Butadiene

Concen: 10.753 ppbv

RT: 3.28 min Scan# 152

Delta R.T. -0.02 min

Lab File: VL035016.D

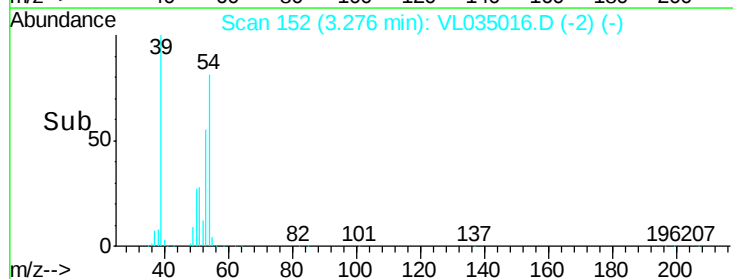
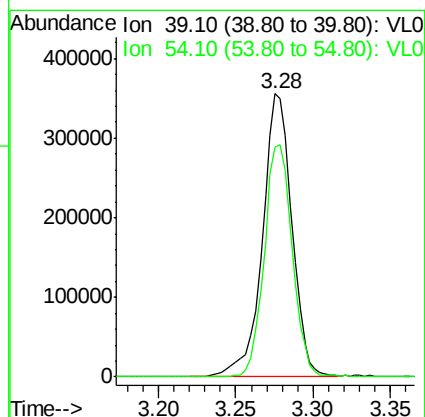
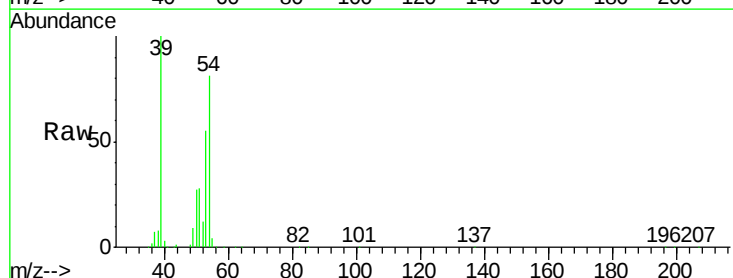
Acq: 13 May 2020 10:34

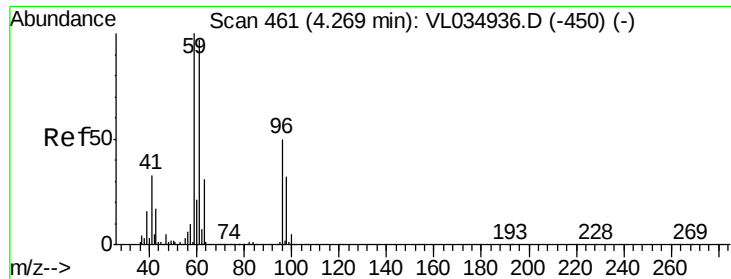
Tgt Ion: 39 Resp: 472664

Ion Ratio Lower Upper

39 100

54 78.5 66.6 100.0





#17

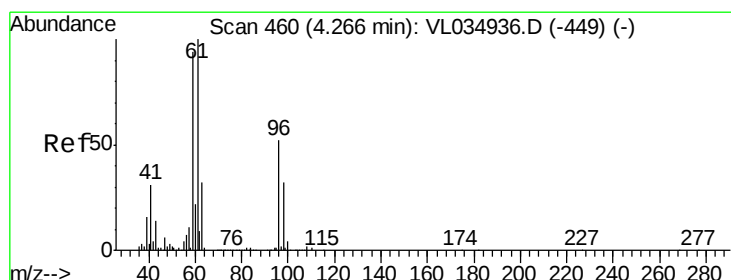
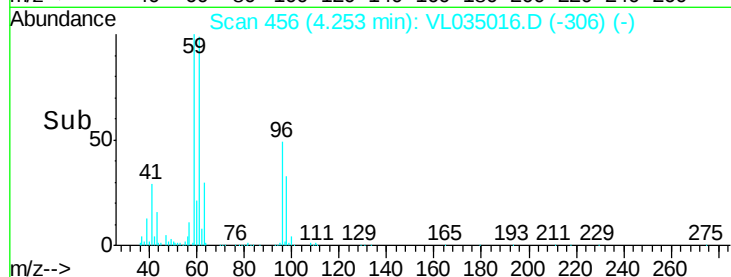
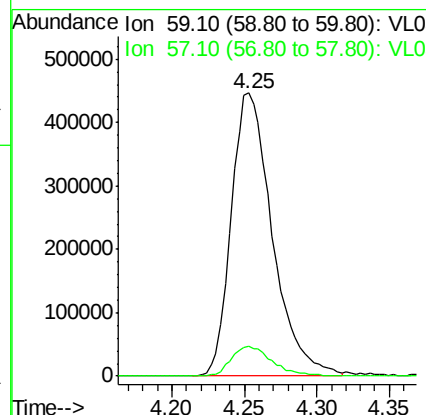
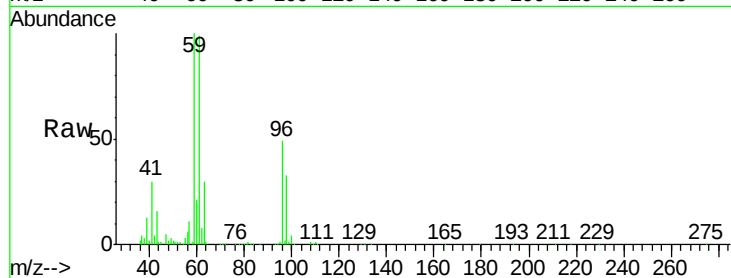
tert-Butyl alcohol
Concen: 9.663 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	59.10	Resp	878198
Ion Ratio	Lower	Upper	
59	100		
57	10.9	8.7	13.1

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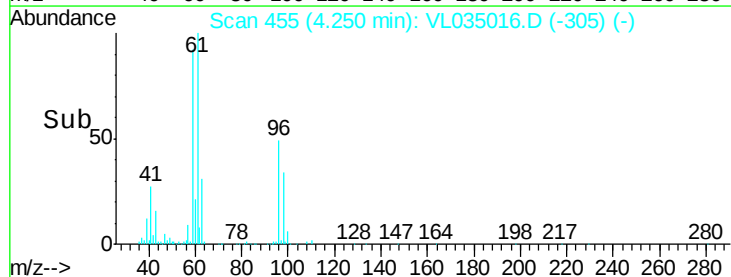
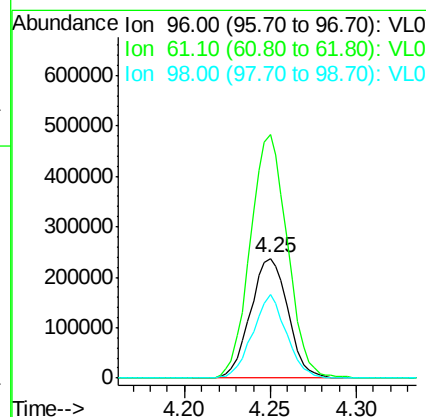
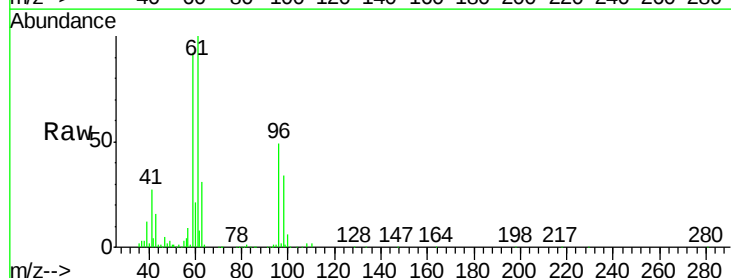
MMDadoda
5/18/2020 2:08:52 PM

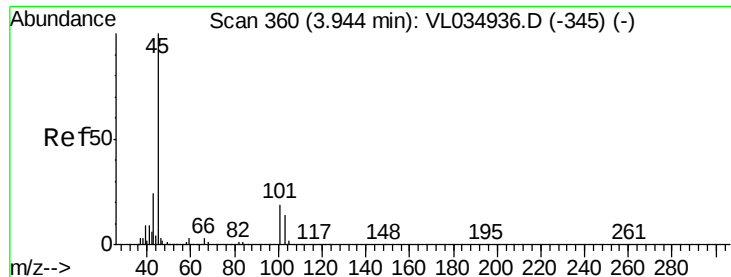


#18

1,1-Dichloroethene
Concen: 10.235 ppbv
RT: 4.25 min Scan# 455
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion	96.00	Resp	357507
Ion Ratio	Lower	Upper	
96	100		
61	202.9	152.4	228.6
98	69.8	48.8	73.2





#19

Isopropyl Alcohol

Concen: 8.747 ppbv

RT: 3.93 min Scan# 354

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 595839

Ion Ratio Lower Upper

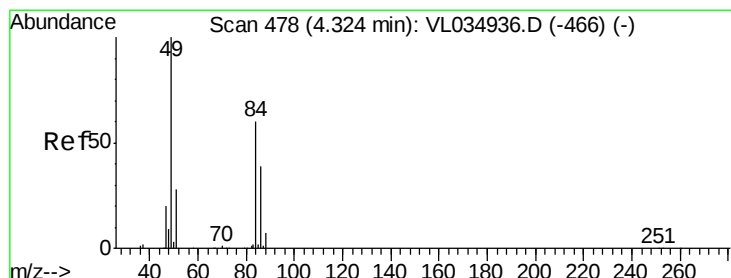
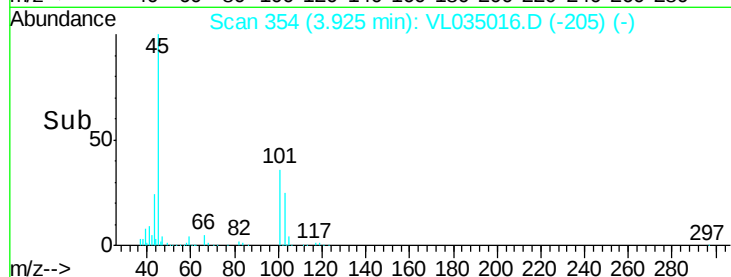
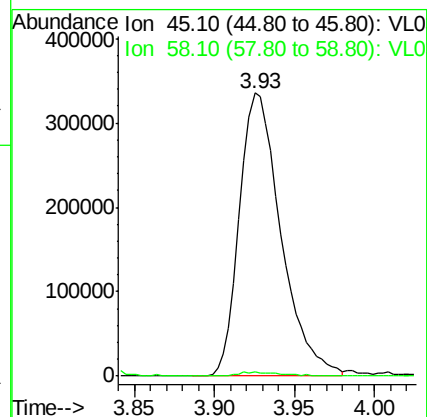
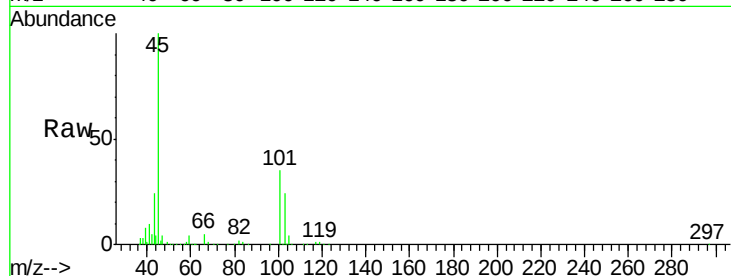
45 100

58 1.7 1.7 2.5

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#20

Methylene Chloride

Concen: 9.088 ppbv

RT: 4.30 min Scan# 472

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Tgt Ion: 84 Resp: 307287

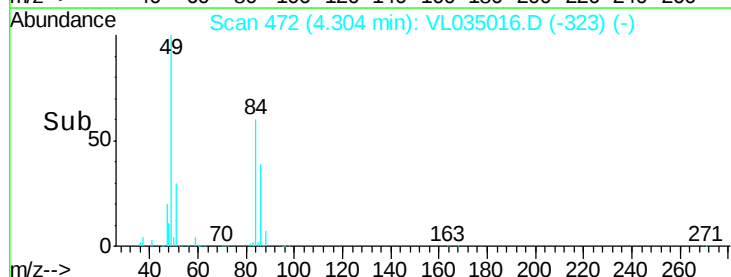
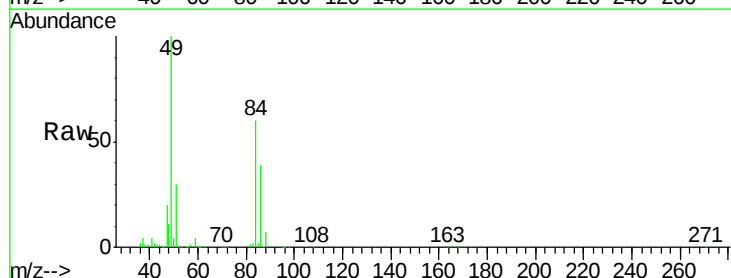
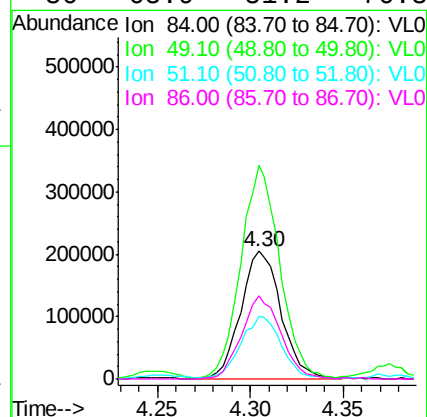
Ion Ratio Lower Upper

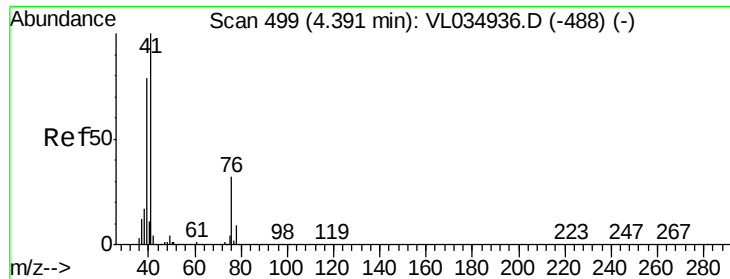
84 100

49 166.7 132.5 198.7

51 49.3 38.4 57.6

86 65.9 51.2 76.8





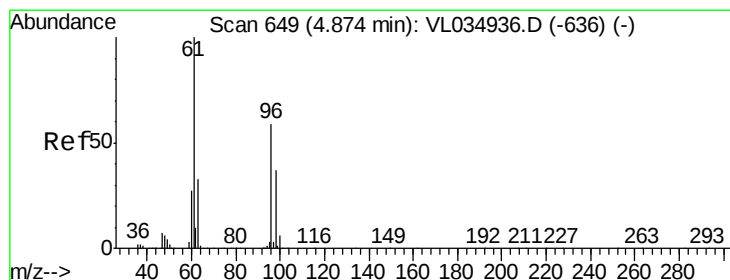
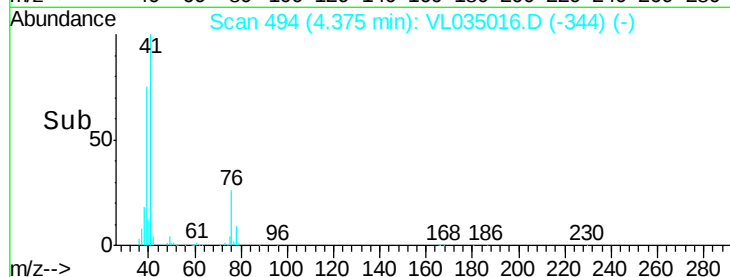
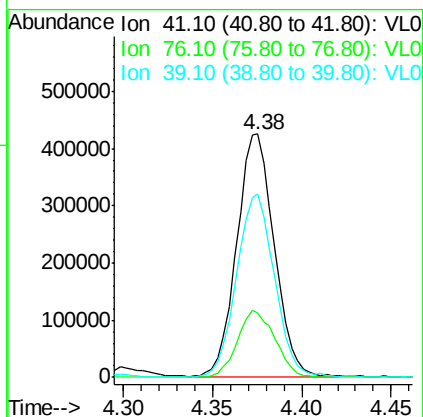
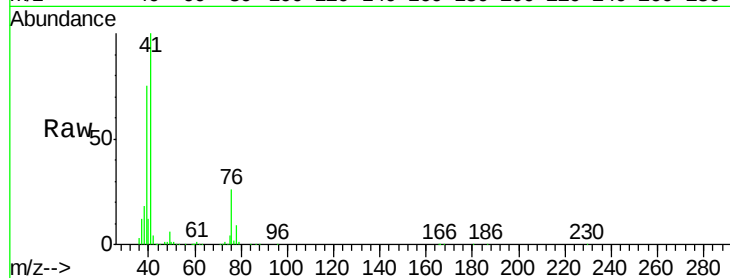
#21
Allvl Chloride
Concen: 10.726 ppbv
RT: 4.38 min Scan# 494
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
41	100	618885		
76	27.8		23.6	35.4
39	76.4		61.9	92.9

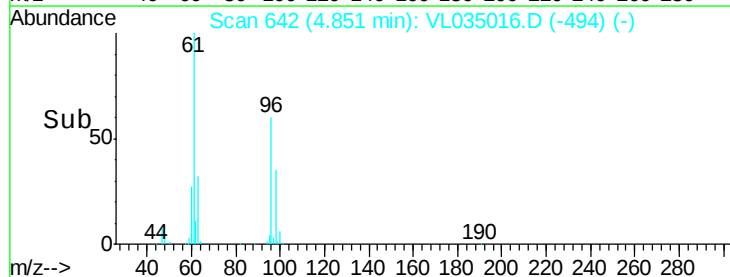
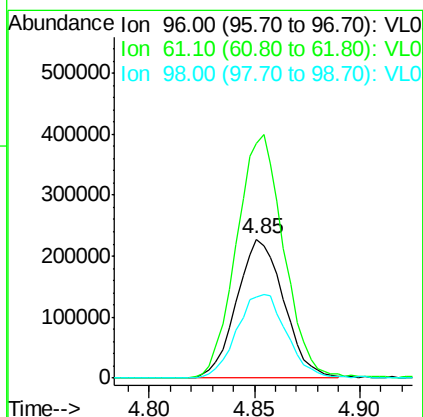
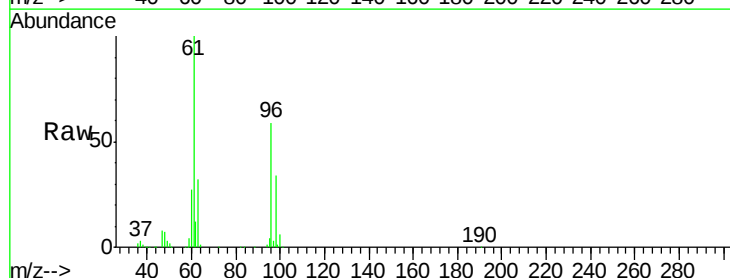
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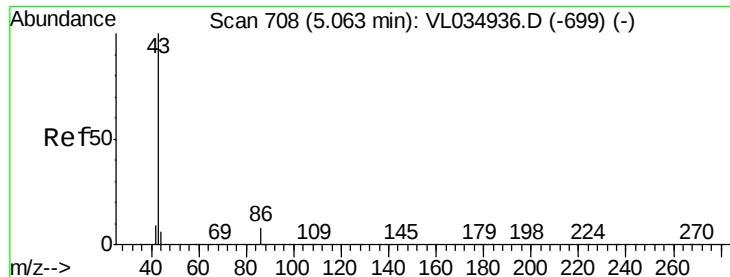
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 10.170 ppbv
RT: 4.85 min Scan# 642
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	351870		
61	168.6		135.3	202.9
98	58.0		50.4	75.6





#23

Vinyl Acetate

Concen: 11.174 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Tot Ion: 43 Resp: 1447328

Ion Ratio Lower Upper

43 100

86 7.4 5.5 8.3

42 9.9 8.0 12.0

44 4.8 4.5 6.7

Instrument :

MSVOA_L

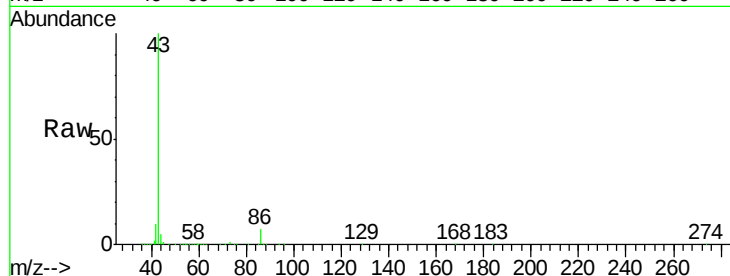
ClientSampleId :

VSTDCCC010EC

Manual Integrations
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5/18/2020 2:08:52 PM

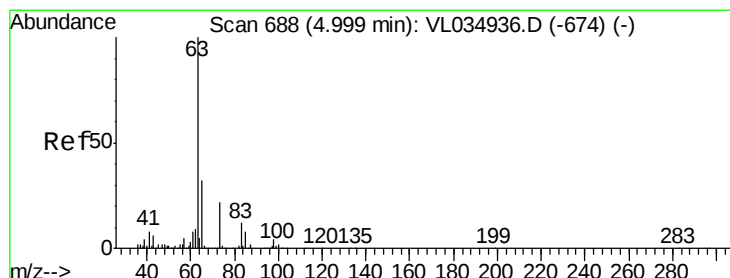
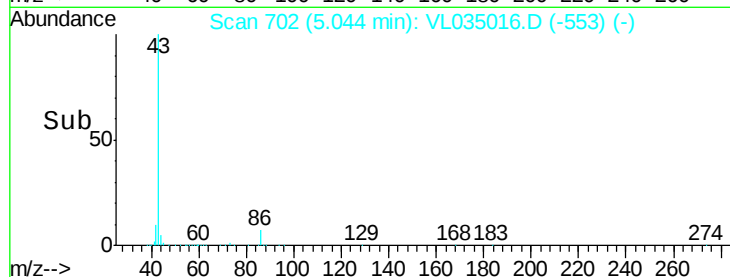
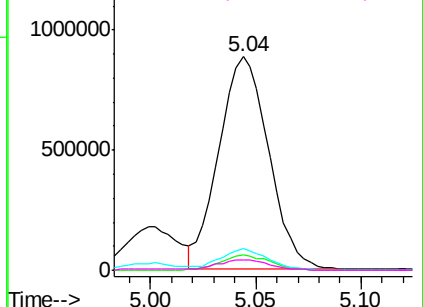


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.731 ppbv

RT: 4.98 min Scan# 682

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

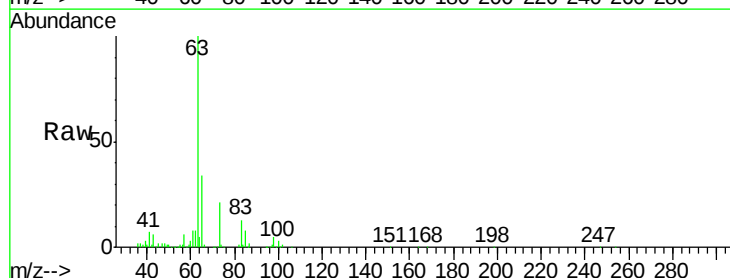
Tgt Ion: 63 Resp: 970823

Ion Ratio Lower Upper

63 100

98 4.6 2.0 6.0

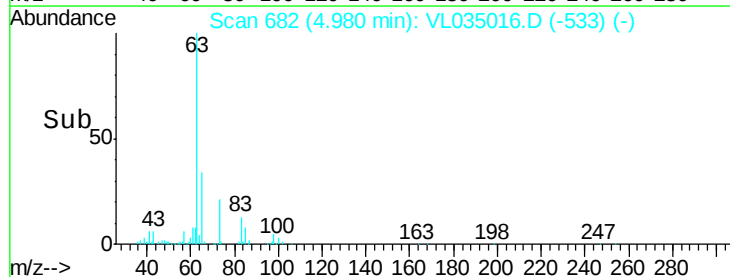
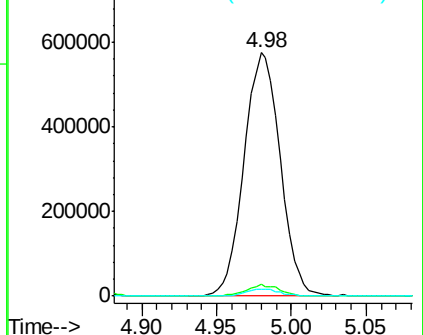
100 2.9 1.1 3.5

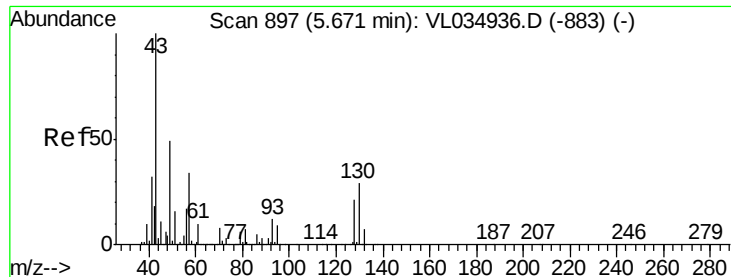


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.775 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1848709

Ion Ratio Lower Upper

43 100

45 10.2 8.1 12.1

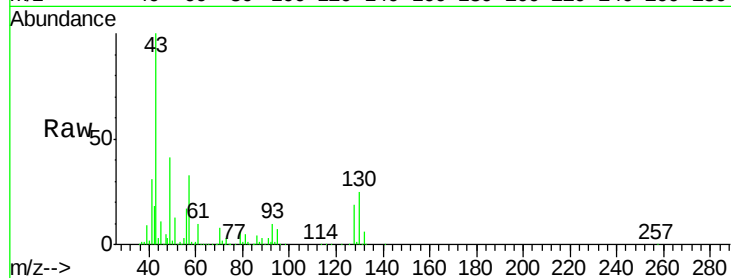
61 9.7 7.8 11.8

70 7.1 6.0 9.0

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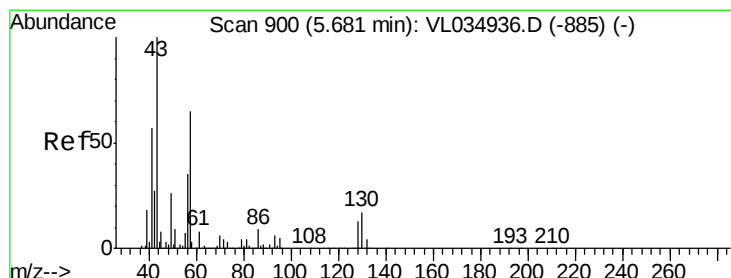
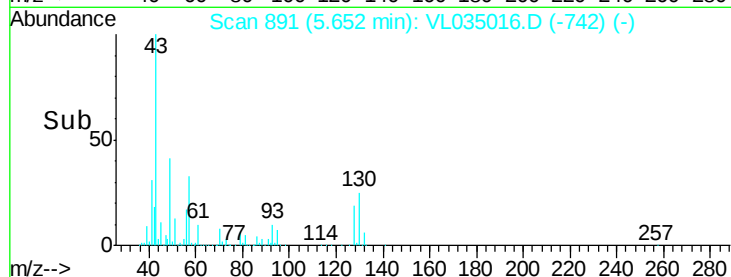
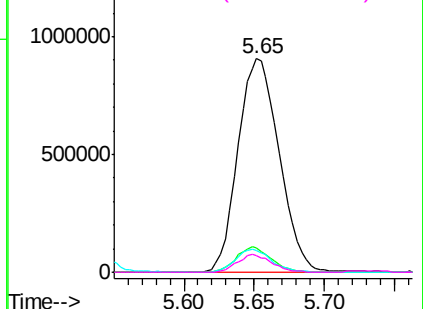


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.792 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Tgt Ion: 57 Resp: 802798

Ion Ratio Lower Upper

57 100

41 91.0 72.7 109.1

43 231.4 182.1 273.1

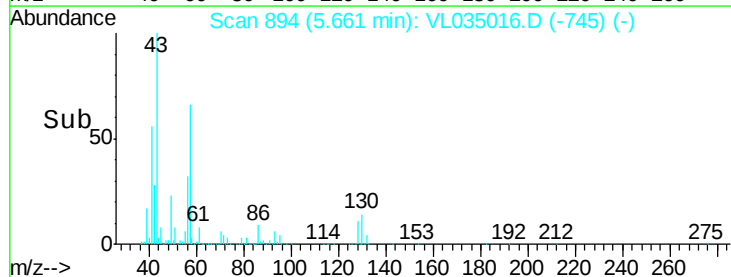
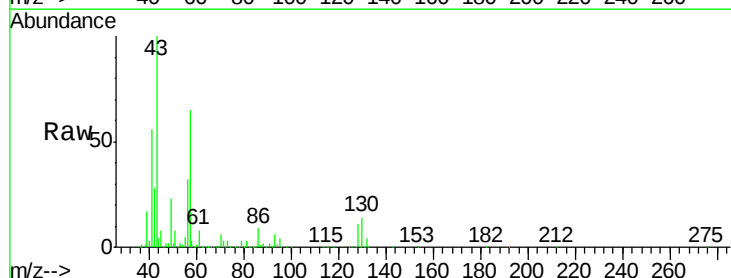
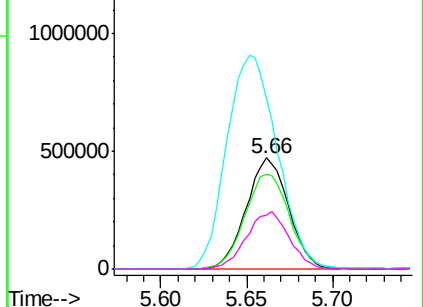
56 52.2 42.2 63.2

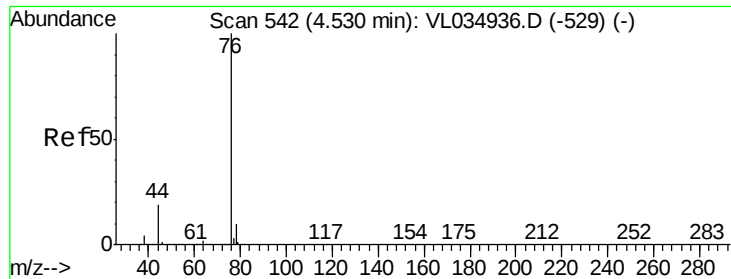
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





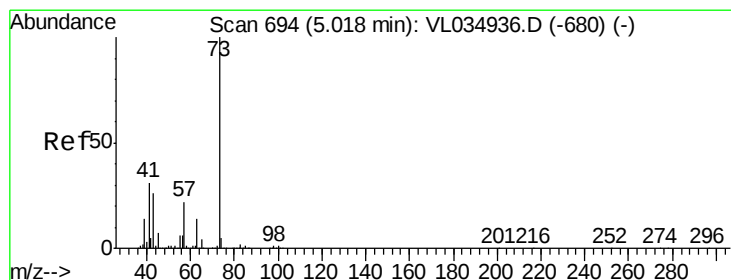
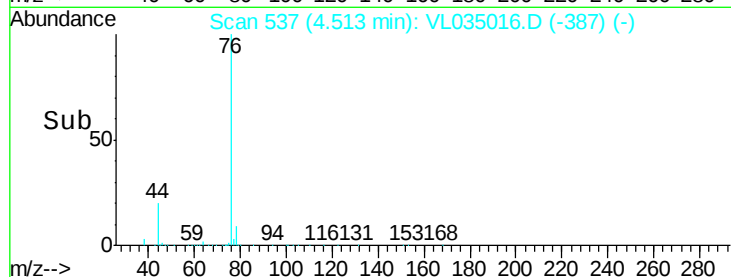
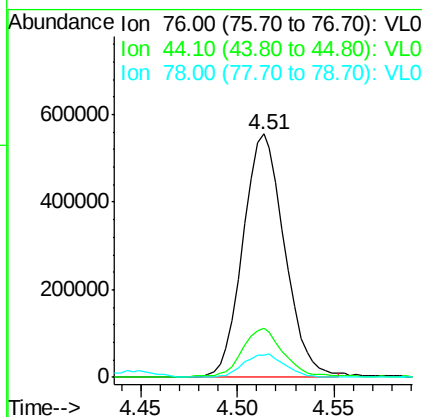
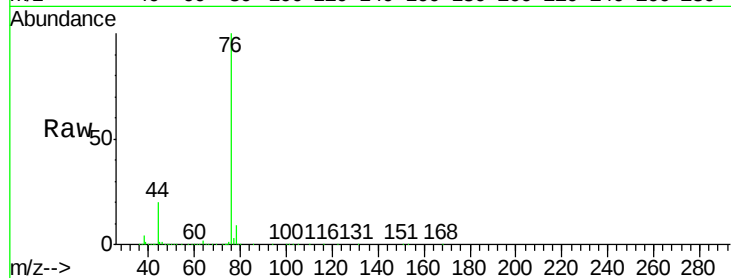
#27
Carbon Disulfide
Concen: 9.491 ppbv
RT: 4.51 min Scan# 537
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
76	100		
44	19.7	15.2	22.8
78	10.0	7.7	11.5

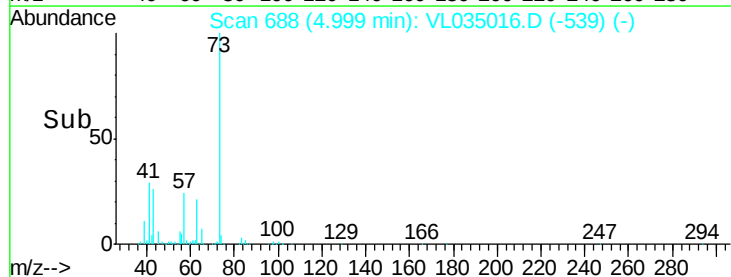
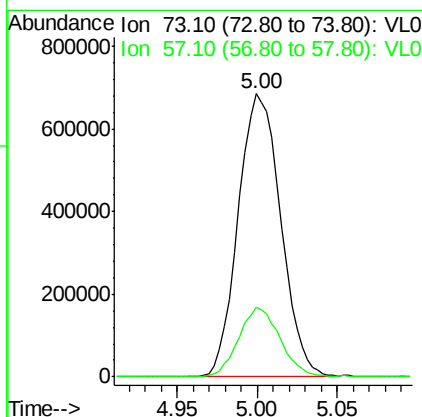
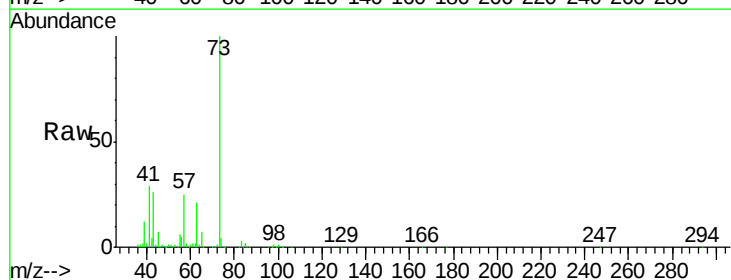
Manual Integrations
APPROVED

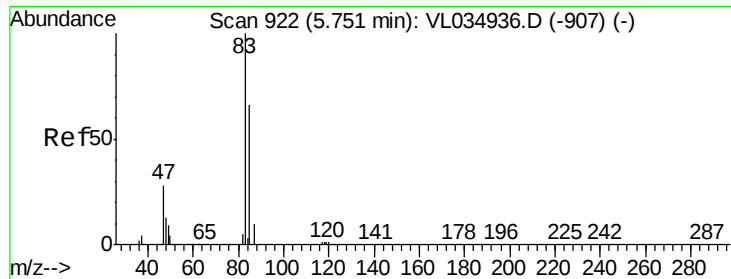
MMDadoda
5/18/2020 2:08:52 PM



#28
Methyl tert-Butyl Ether
Concen: 11.006 ppbv
RT: 5.00 min Scan# 688
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.0	18.3	27.5





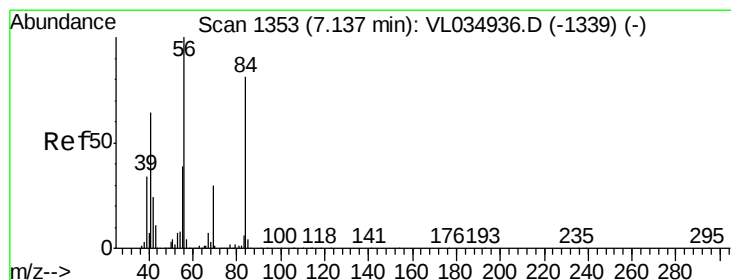
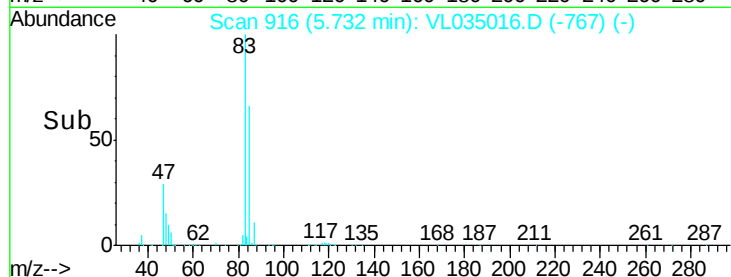
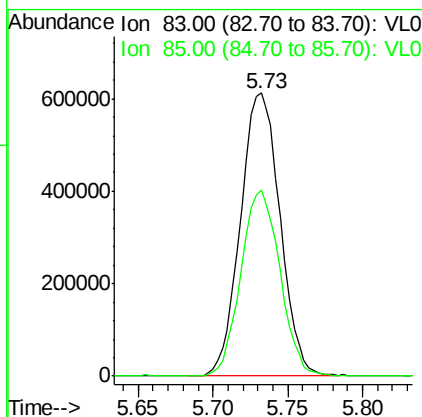
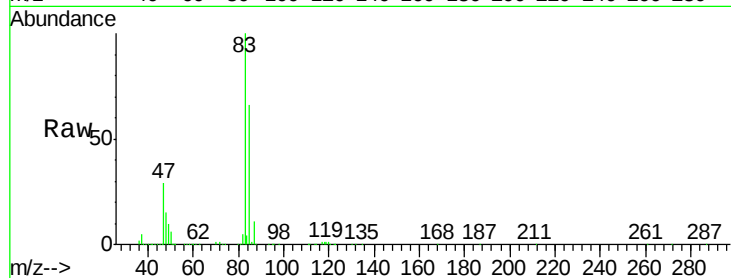
#29
Chloroform
Concen: 9.272 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1128531
Ion Ratio Lower Upper
83 100
85 65.6 53.0 79.6

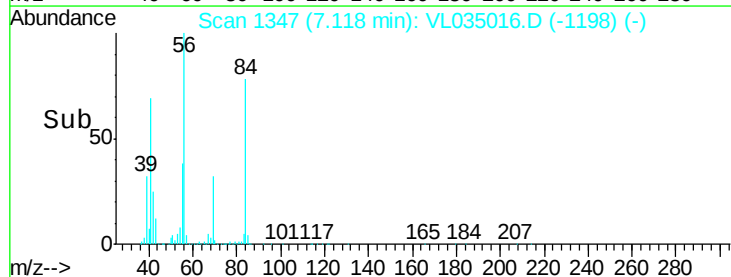
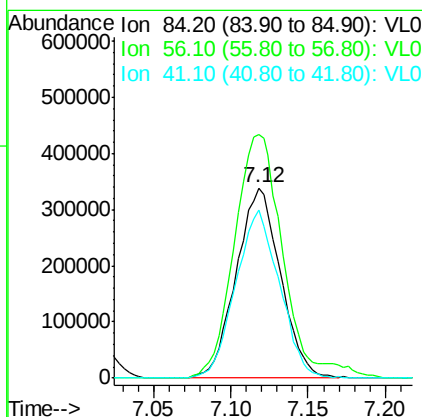
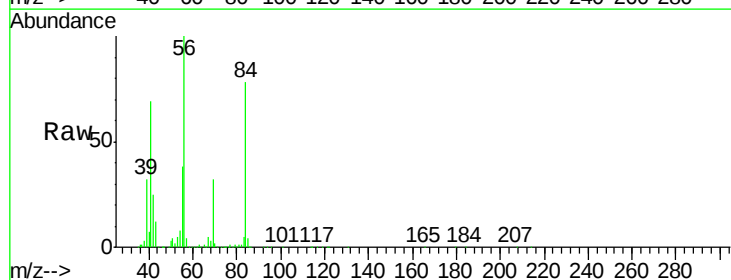
Manual Integrations
APPROVED

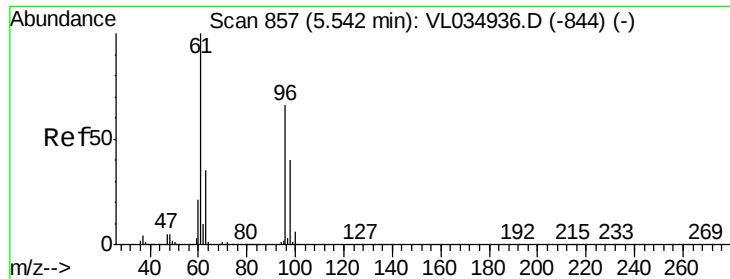
MMDadoda
5/18/2020 2:08:52 PM



#30
Cyclohexane
Concen: 11.739 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 84 Resp: 673840
Ion Ratio Lower Upper
84 100
56 141.3 111.4 167.2
41 87.2 66.7 100.1





#31

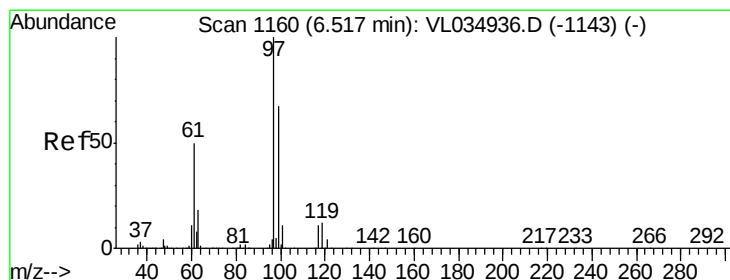
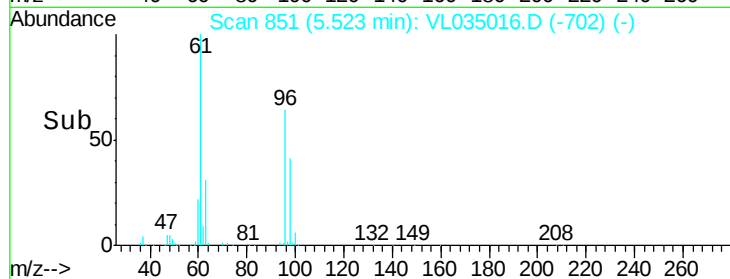
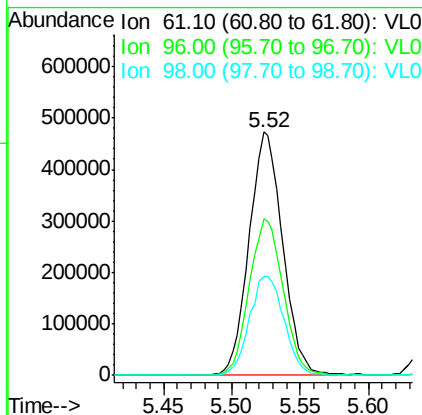
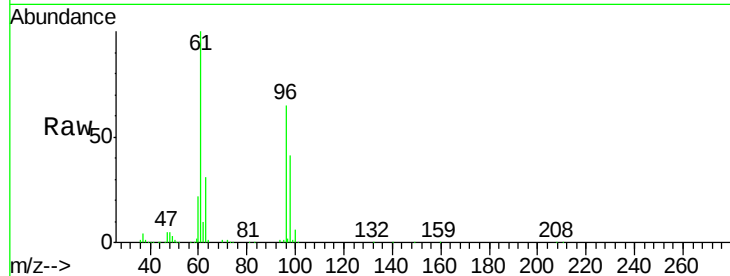
cis-1,2-Dichloroethene
Concen: 11.134 ppbv
RT: 5.52 min Scan# 851
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.5	53.0	79.6
98	40.6	32.2	48.2

Manual Integrations
APPROVED

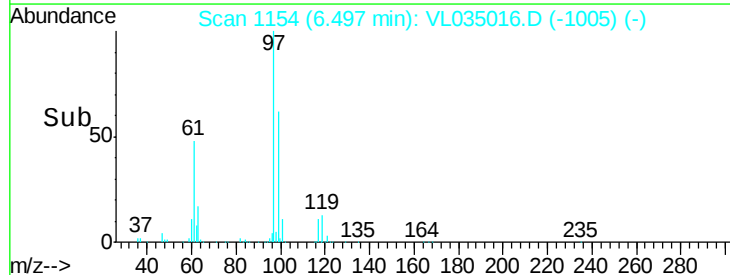
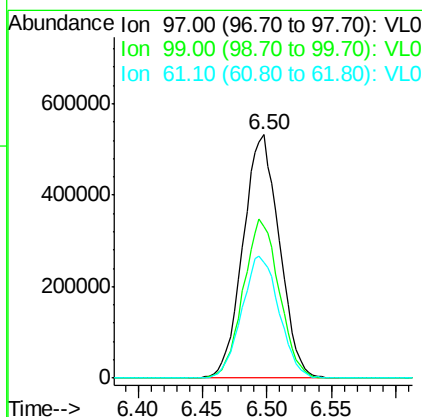
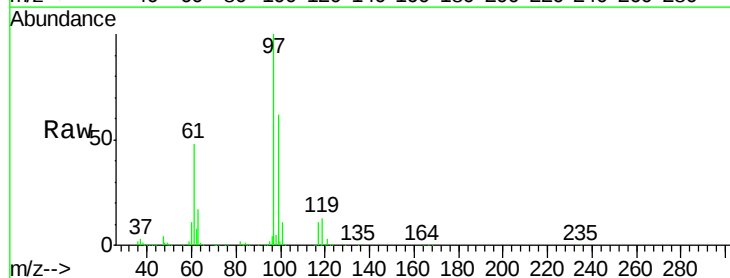
MMDadoda
5/18/2020 2:08:52 PM

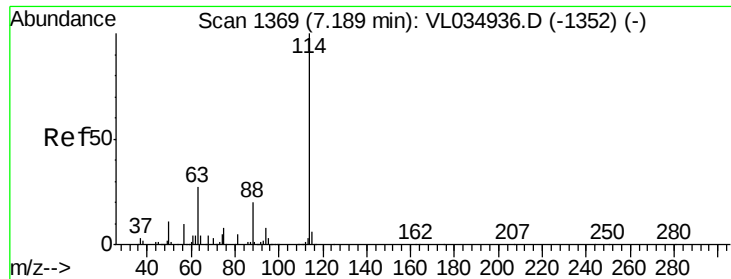


#32

1,1,1-Trichloroethane
Concen: 9.498 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.1	78.1
61	51.4	41.8	62.8





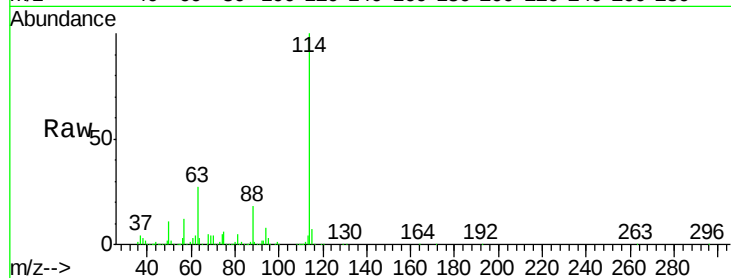
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.02 min
 Lab File: VL035016.D
 Acq: 13 May 2020 10:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.2	22.2	33.4
88	18.8	15.5	23.3

Manual Integrations
 APPROVED

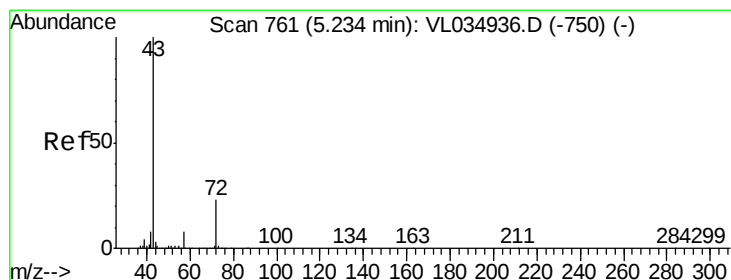
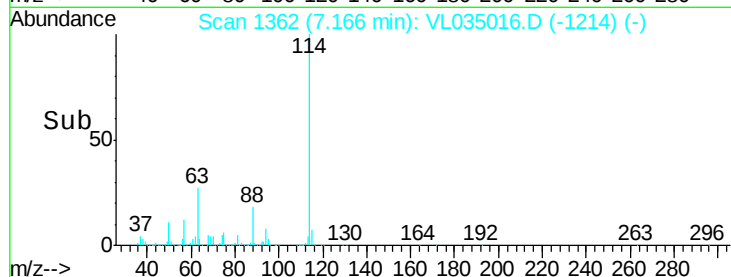
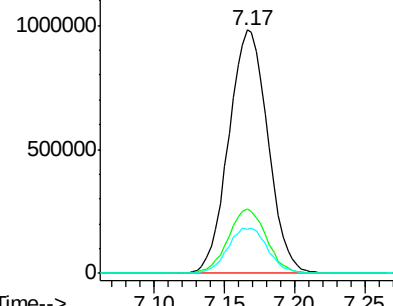
MMDadoda
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Abundance Ion 114.10 (113.80 to 114.80): VL0

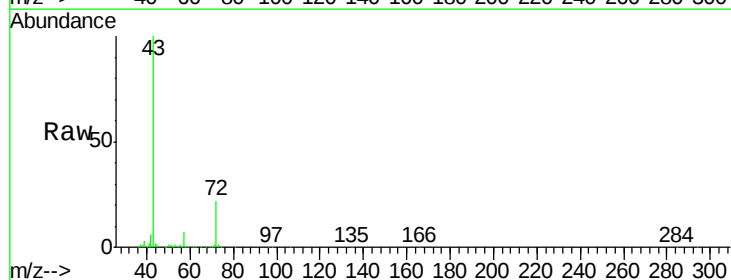
Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



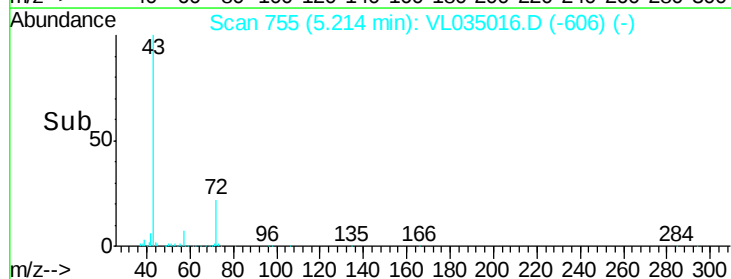
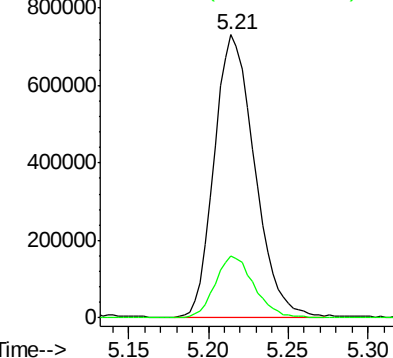
#34
 2-Butanone
 Concen: 10.585 ppbv
 RT: 5.21 min Scan# 755
 Delta R.T. -0.02 min
 Lab File: VL035016.D
 Acq: 13 May 2020 10:34

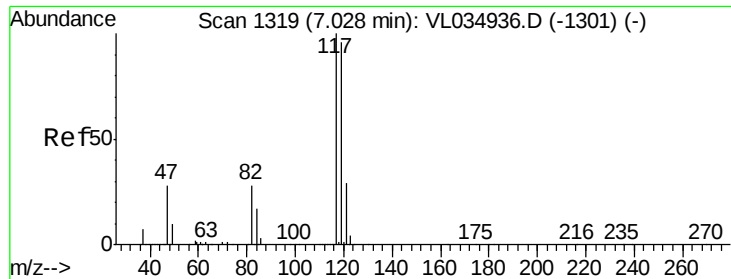
Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.5	18.0	27.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





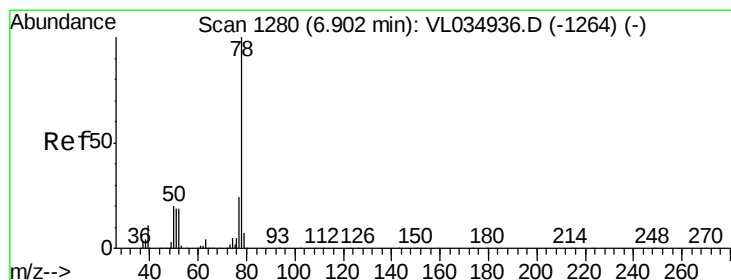
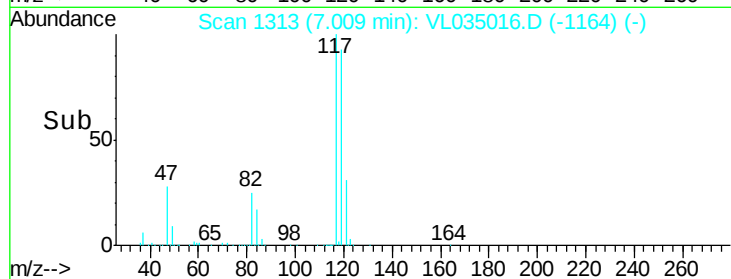
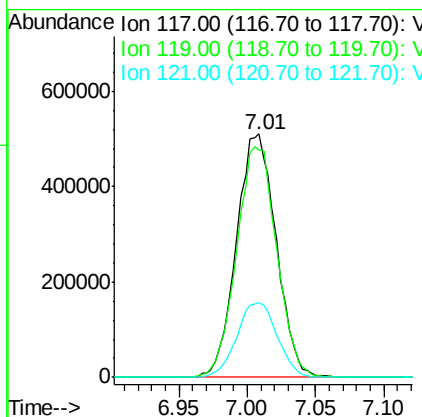
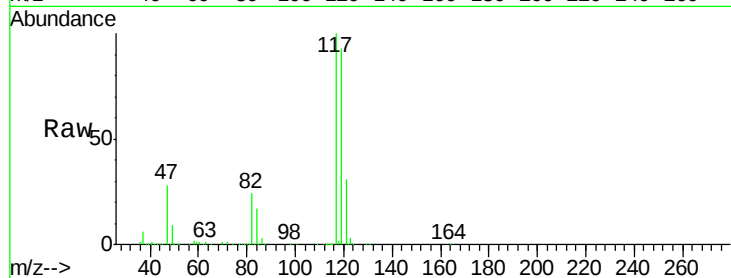
#35
Carbon Tetrachloride
Concen: 8.558 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.0	115.6
121	30.9	23.0	34.6

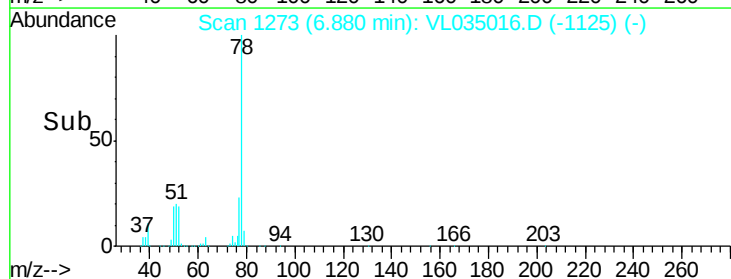
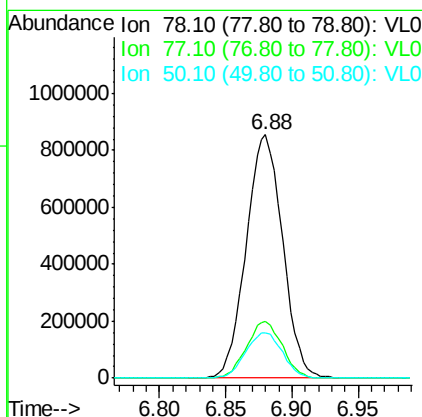
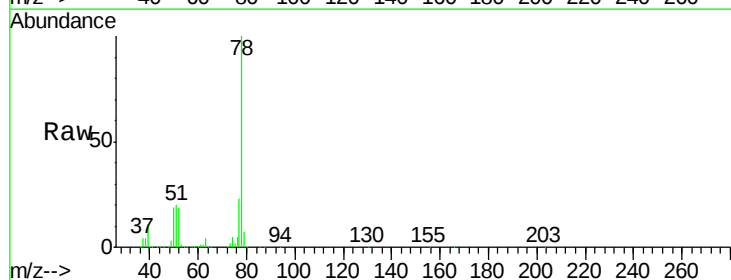
Manual Integrations
APPROVED

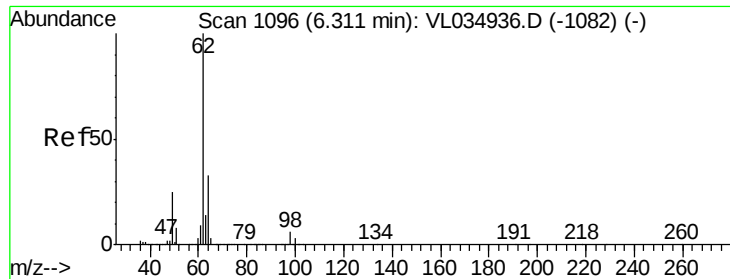
MMDadoda
5/18/2020 2:08:52 PM



#36
Benzene
Concen: 10.375 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6
50	18.6	15.8	23.8





#37

1,2-Dichloroethane

Concen: 9.021 ppbv

RT: 6.29 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 876244

Ion Ratio Lower Upper

62 100

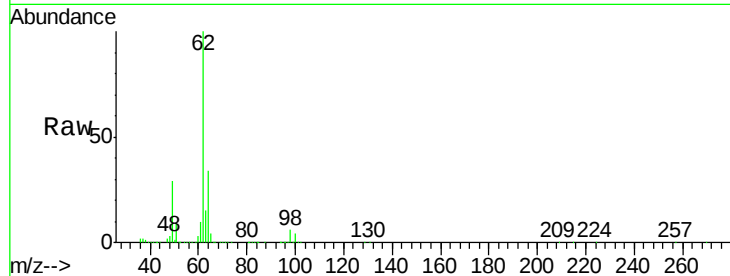
98 6.3 4.8 7.2

Manual Integrations

APPROVED

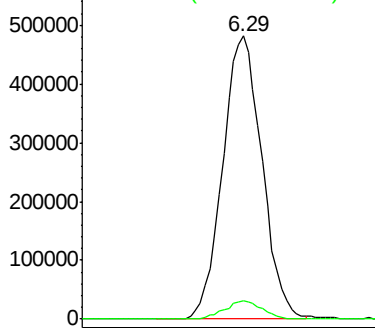
MMDadoda

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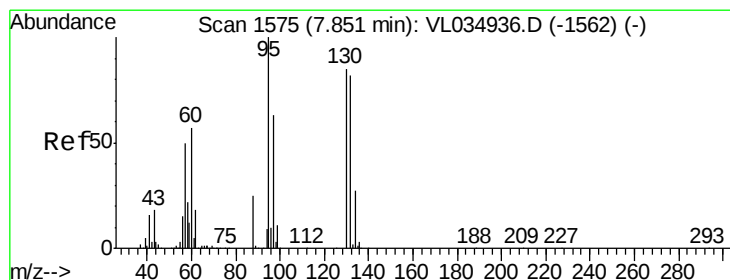
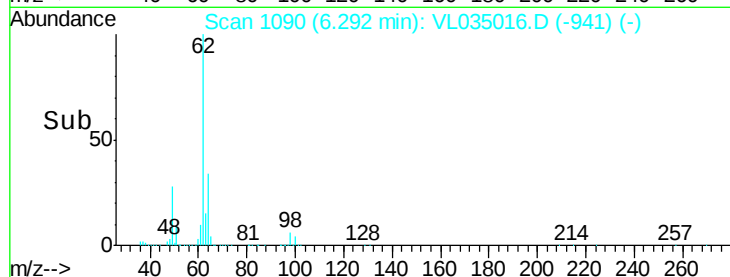


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



Time-->



#38

Trichloroethene

Concen: 10.544 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Tgt Ion: 130 Resp: 643270

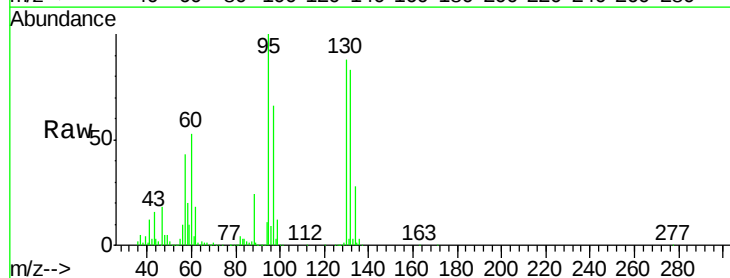
Ion Ratio Lower Upper

130 100

95 113.4 93.4 140.0

132 94.0 76.4 114.6

97 74.7 58.5 87.7

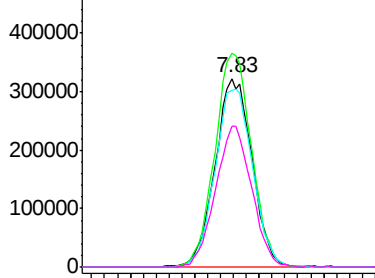


Abundance Ion 130.00 (129.70 to 130.70): V

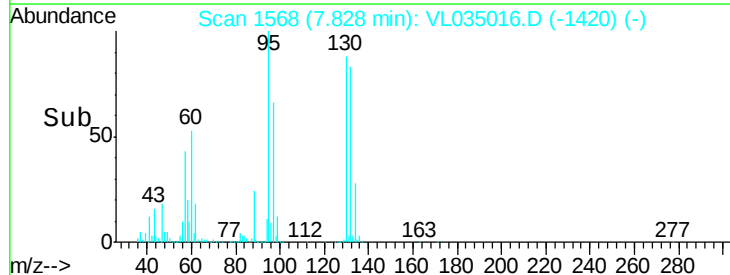
Ion 95.00 (94.70 to 95.70): VL0

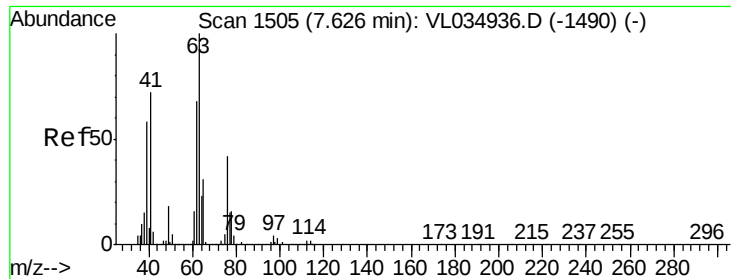
Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



Time-->





#39

1,2-Dichloropropane

Concen: 10.143 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Instrument :

MSVOA_L

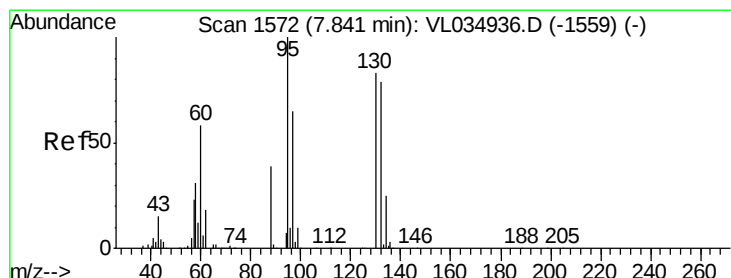
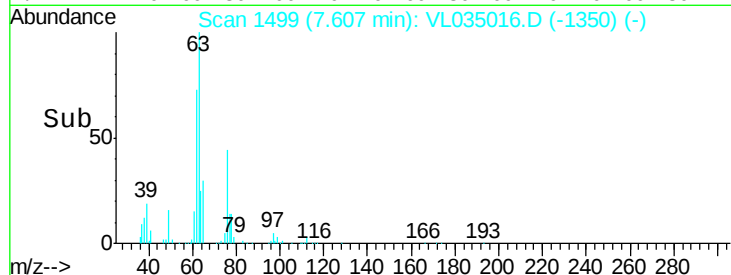
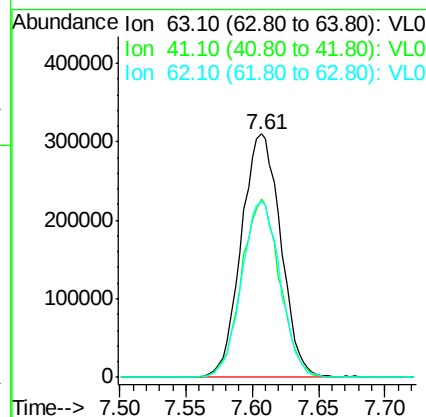
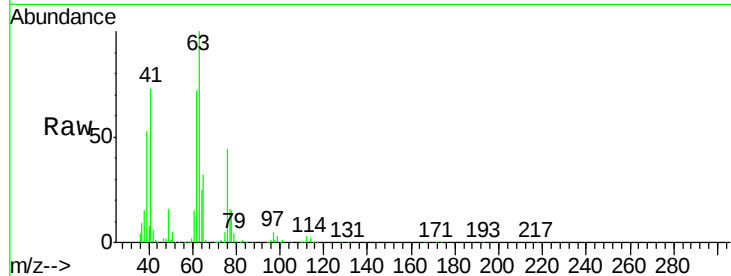
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	640279
Ion	Ratio	Lower	Upper
63	100		
41	72.9	57.8	86.8
62	72.1	54.2	81.2

Manual Integrations
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#40

1,4-Dioxane

Concen: 8.998 ppbv

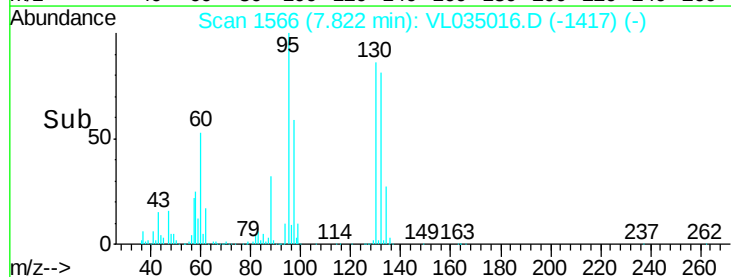
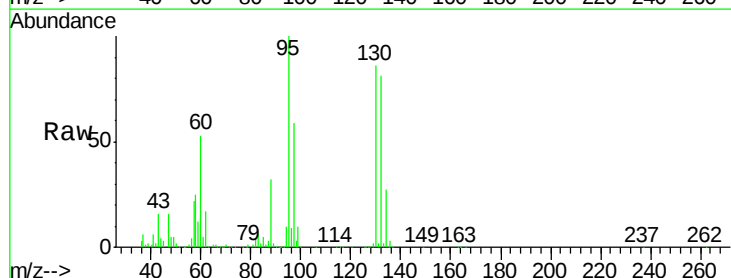
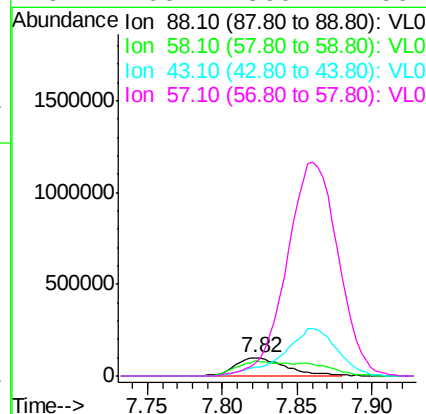
RT: 7.82 min Scan# 1566

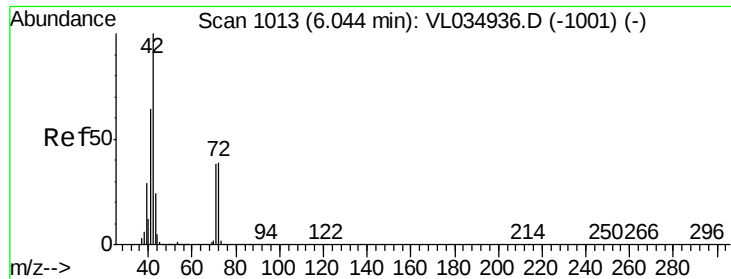
Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Tgt Ion:	88	Resp:	230883
Ion	Ratio	Lower	Upper
88	100		
58	133.1	105.1	157.7
43	285.9	202.6	303.8
57	1205.4	869.4	1304.0





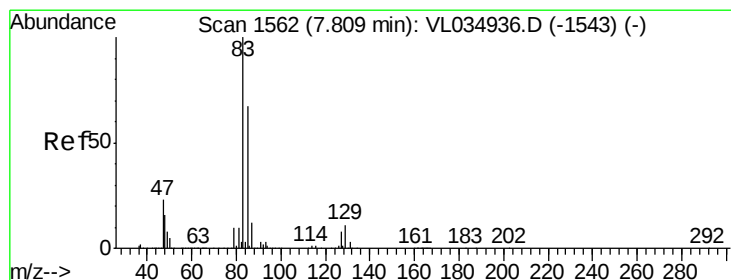
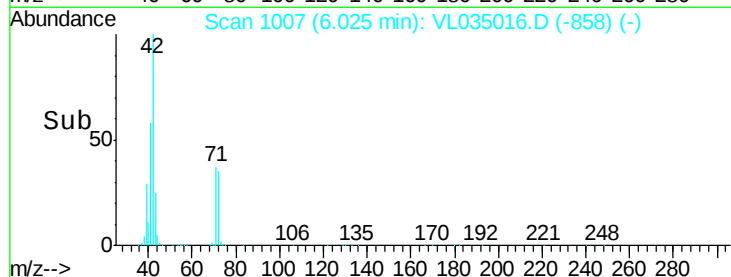
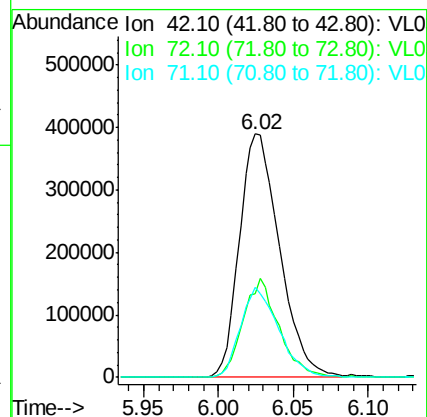
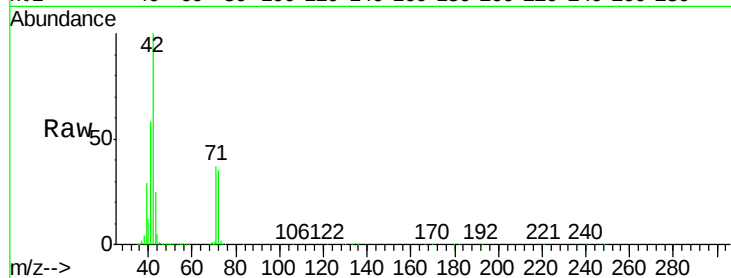
#41
Tetrahydrofuran
Concen: 11.657 ppbv
RT: 6.02 min Scan# 1007
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	31.4	47.0
71	35.7	29.8	44.8

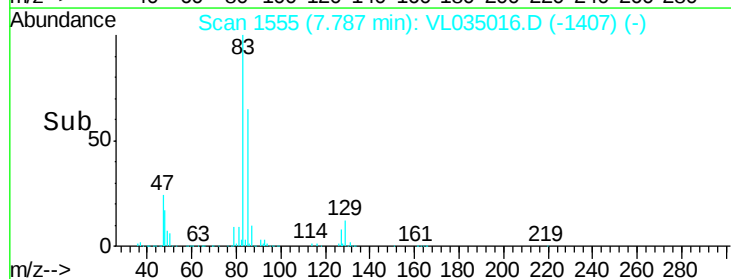
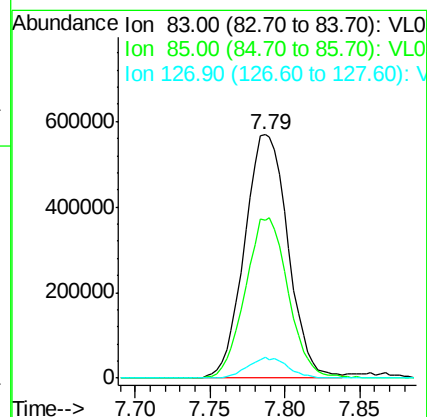
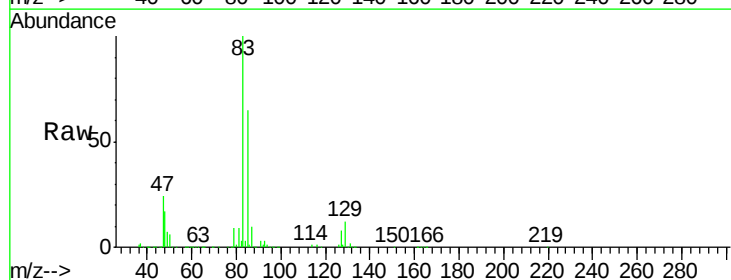
Manual Integrations
APPROVED

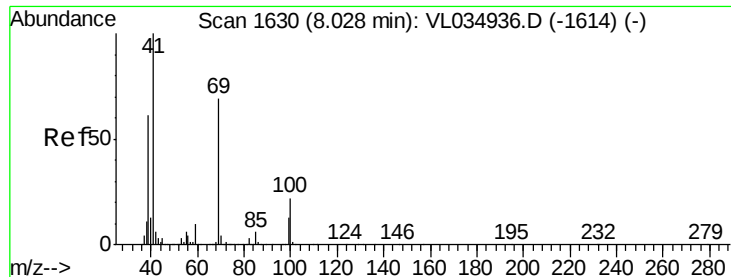
MMDadoda
5/18/2020 2:08:52 PM



#42
Bromodichloromethane
Concen: 8.791 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.4	80.0
127	8.5	6.1	9.1





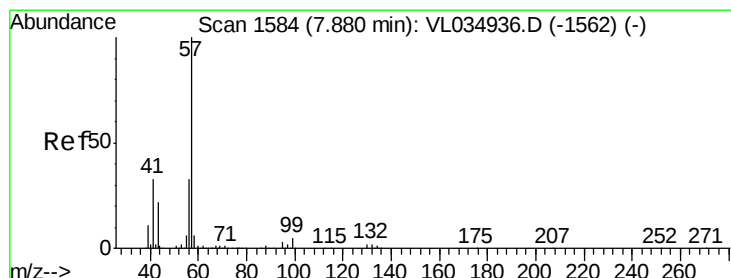
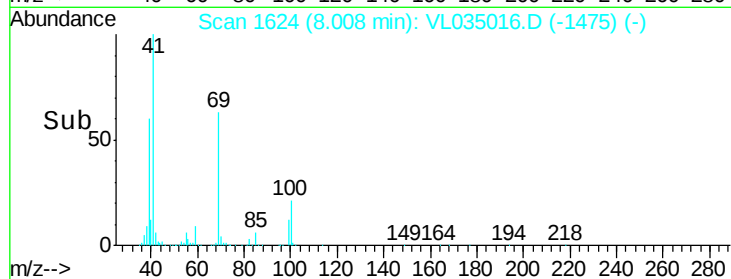
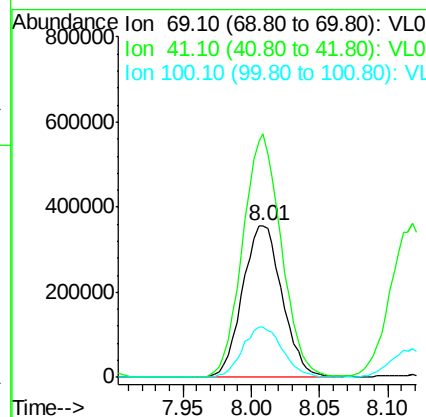
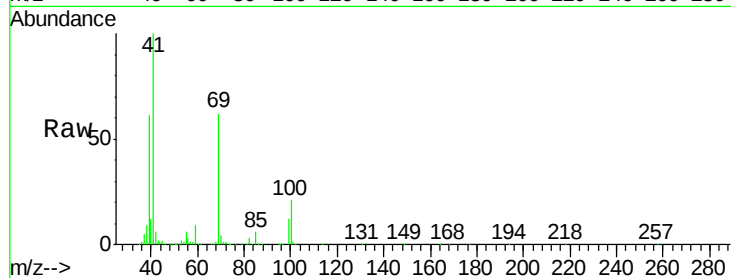
#43
Methvl Methacrilate
Concen: 10.827 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		719921		
41	155.9	119.8	179.6		
100	33.8	25.0	37.6		

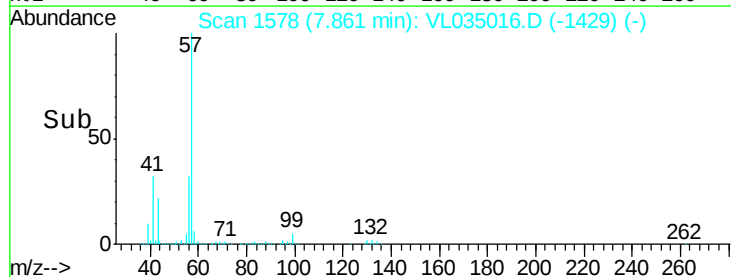
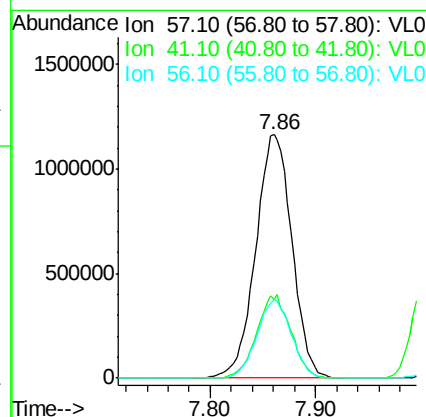
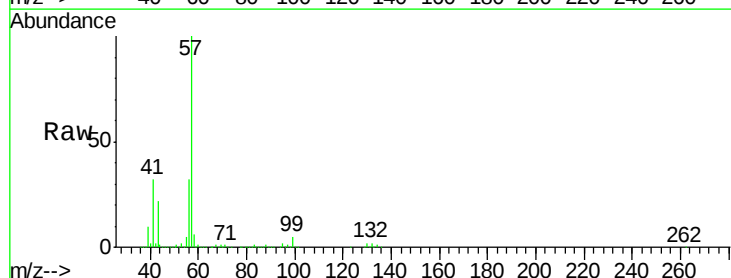
Manual Integrations
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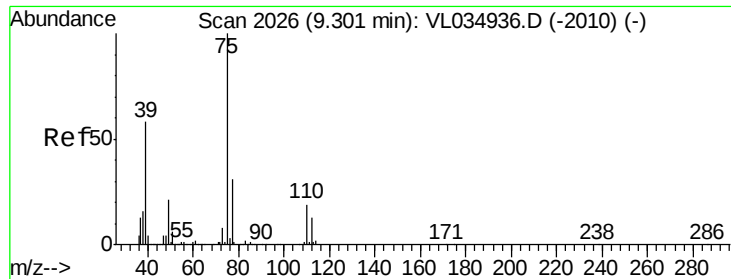
MMDadoda
5/18/2020 2:08:52 PM



#44
2,2,4-Trimethylpentane
Concen: 9.935 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		2781458		
41	32.3	26.4	39.6		
56	30.9	25.5	38.3		





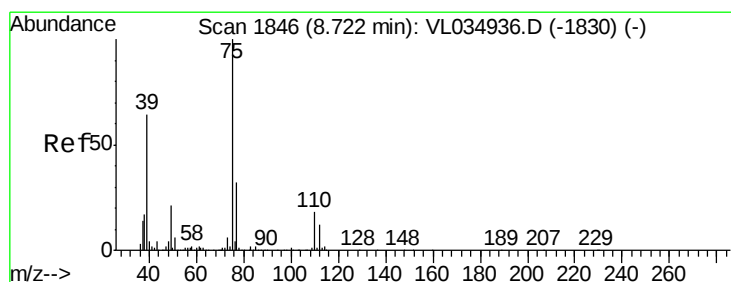
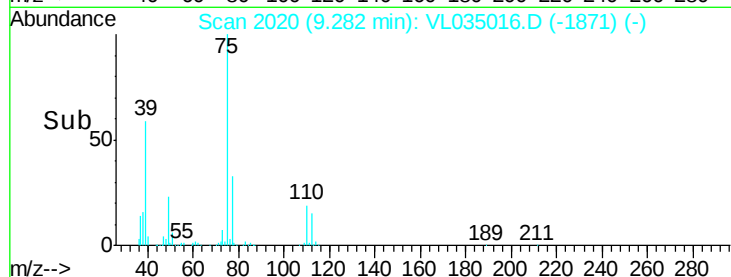
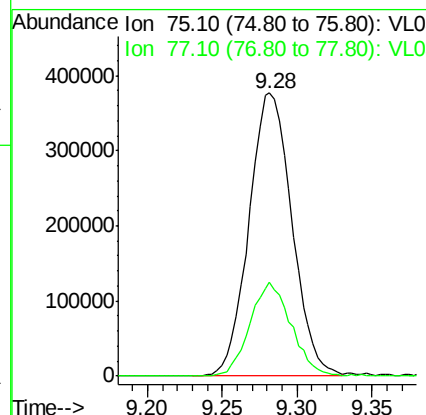
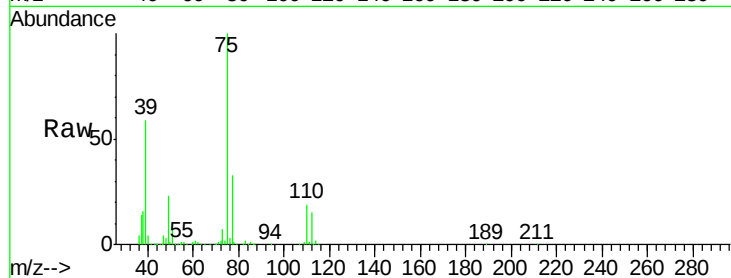
#45
t-1,3-Dichloropropene
Concen: 11.239 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.3	24.9	37.3

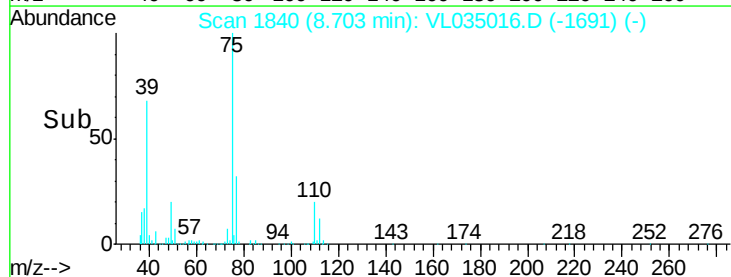
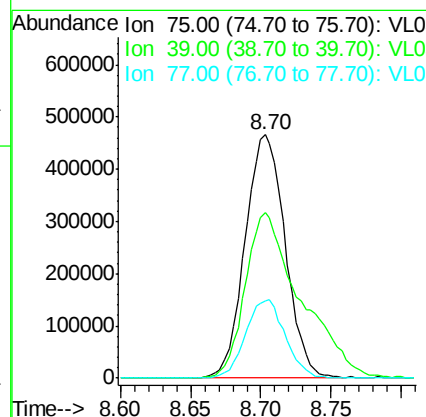
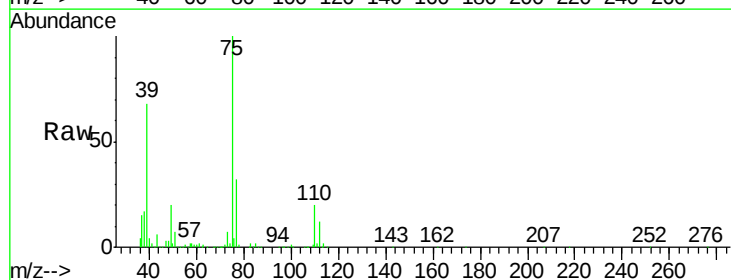
Manual Integrations
APPROVED

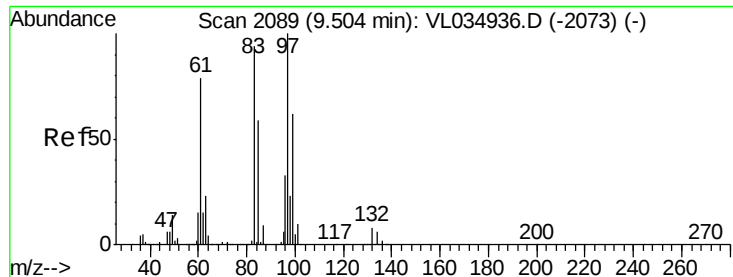
MMDadoda
5/18/2020 2:08:52 PM



#46
cis-1,3-Dichloropropene
Concen: 11.255 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
39	68.1	51.5	77.3
77	31.6	25.5	38.3





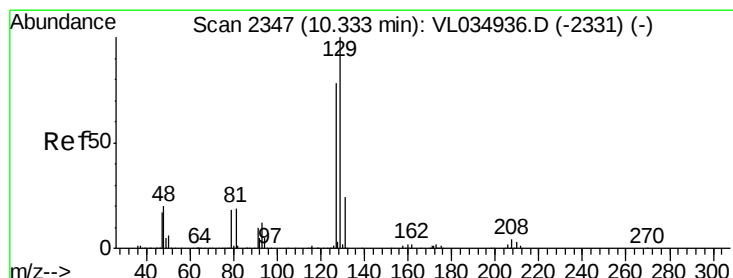
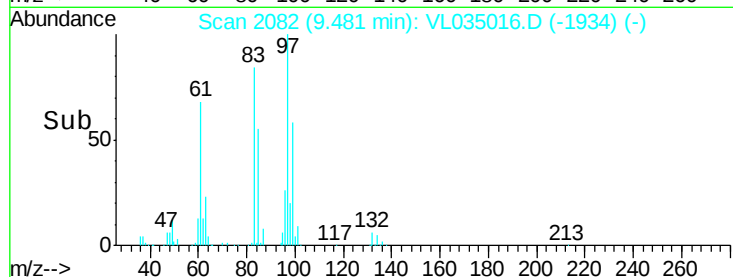
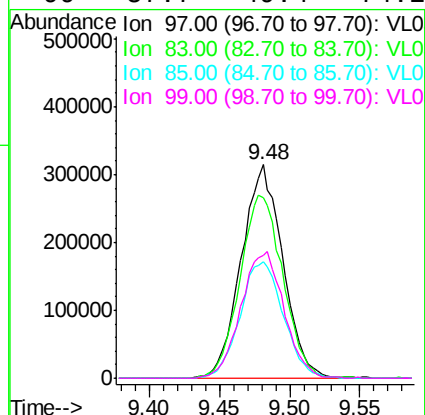
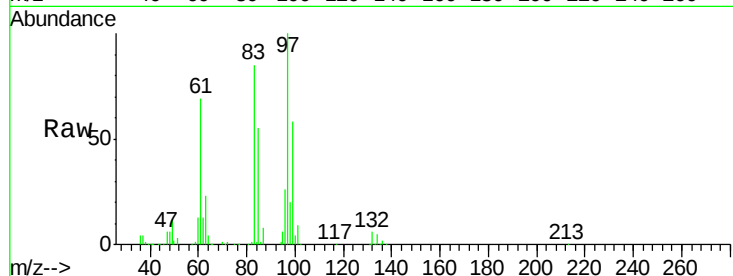
#47
 1,1,2-Trichloroethane
 Concen: 9.704 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.02 min
 Lab File: VL035016.D
 Acq: 13 May 2020 10:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		646421		
83	84.4	75.6	113.4		
85	54.8	47.0	70.6		
99	57.7	49.4	74.2		

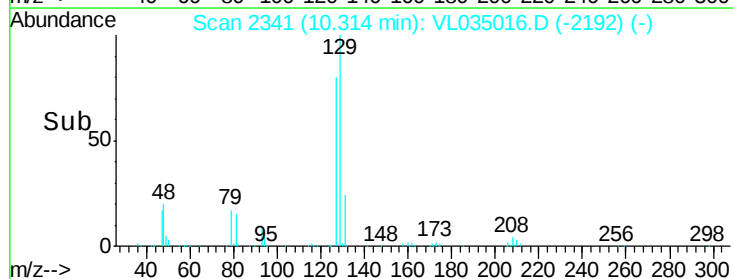
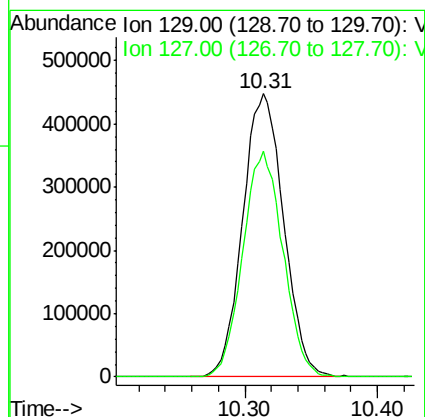
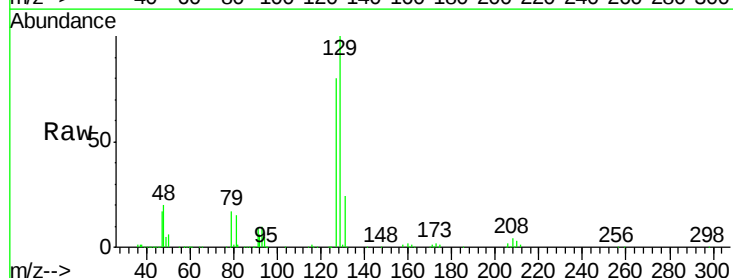
Manual Integrations
 APPROVED

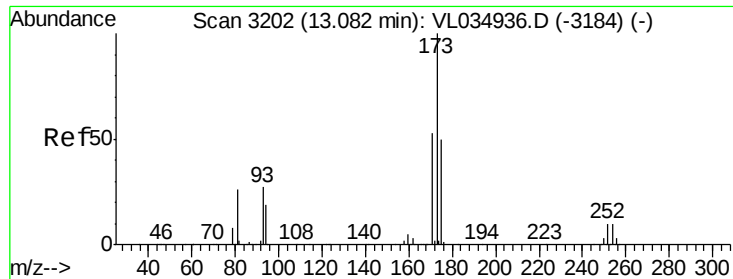
MMDadoda
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#48
 Dibromochloromethane
 Concen: 9.384 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. -0.02 min
 Lab File: VL035016.D
 Acq: 13 May 2020 10:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		961333		
127	78.4	39.1	117.2		





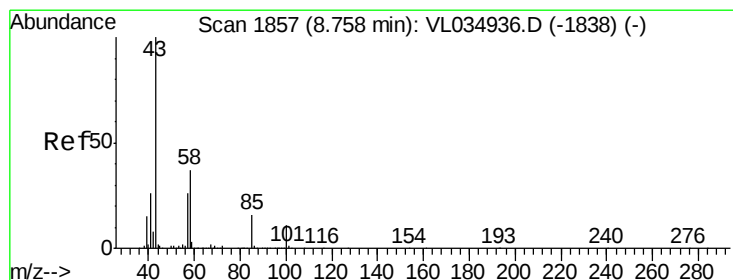
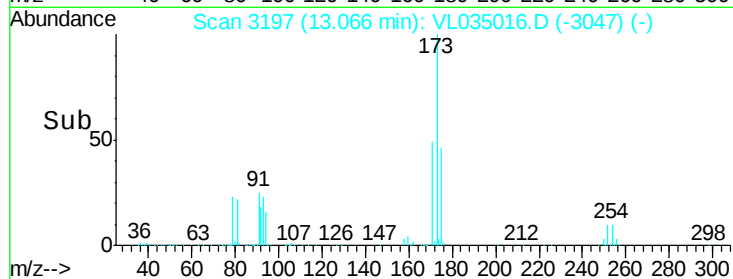
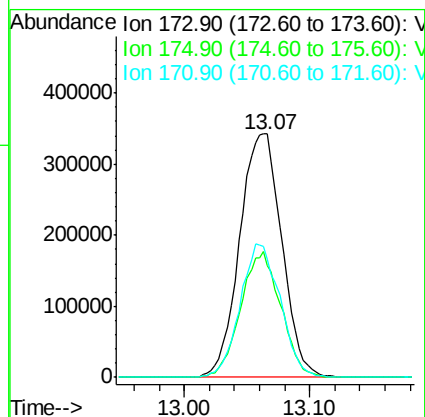
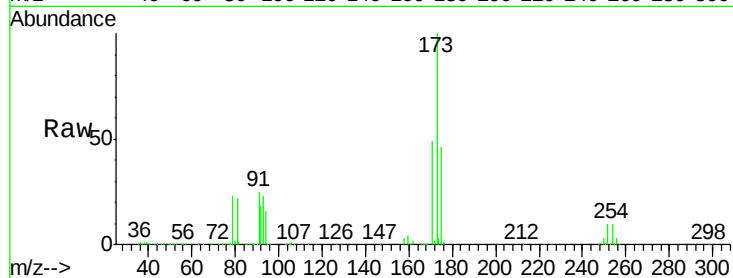
#49
Bromoform
Concen: 9.072 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.0	58.6
171	52.2	41.4	62.2

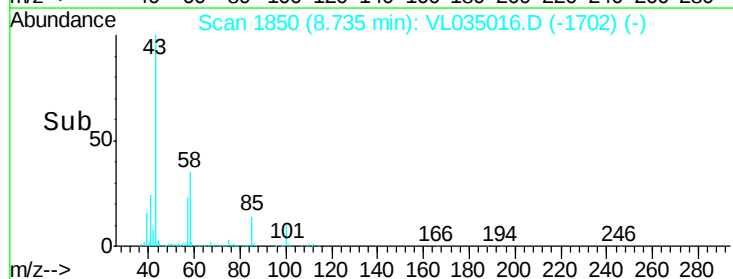
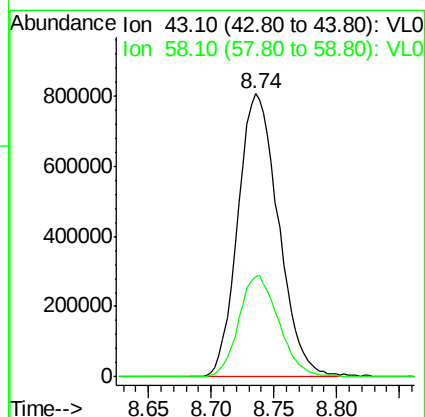
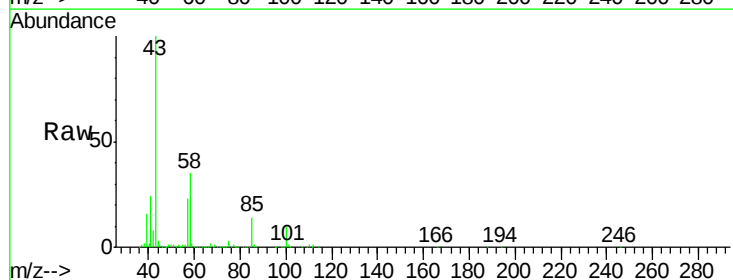
Manual Integrations
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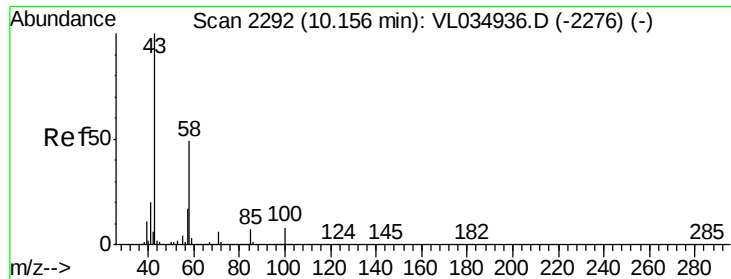
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#50
4-Methyl-2-Pentanone
Concen: 10.694 ppbv
RT: 8.74 min Scan# 1850
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.4	29.1	43.7





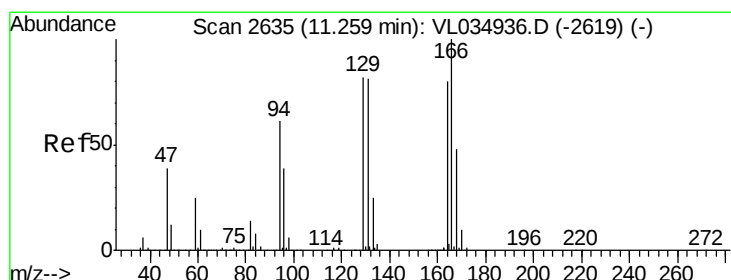
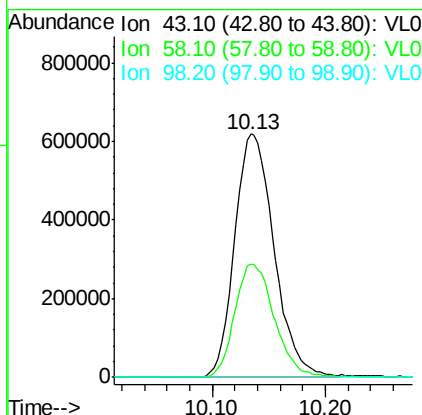
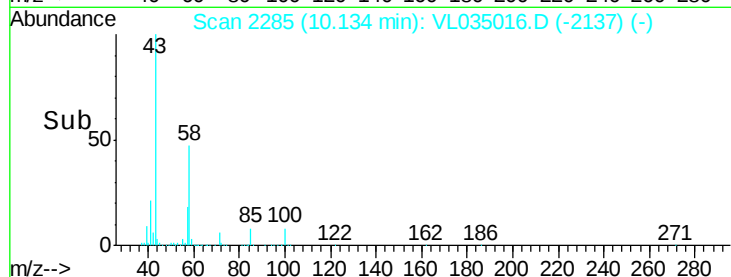
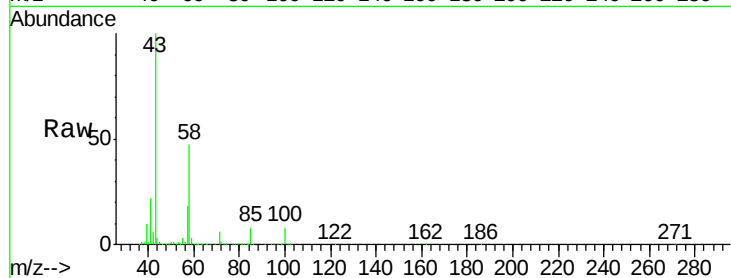
#51
2-Hexanone
Concen: 11.317 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1498422
Ion Ratio Lower Upper
43 100
58 47.0 39.1 58.7
98 0.1 0.3 0.5#

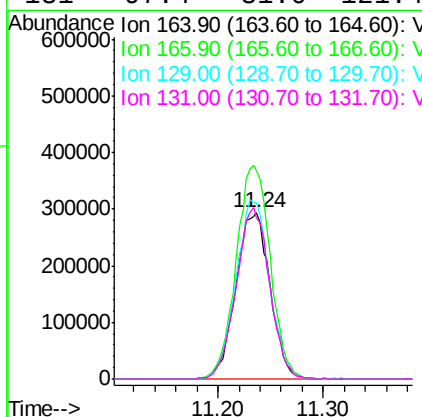
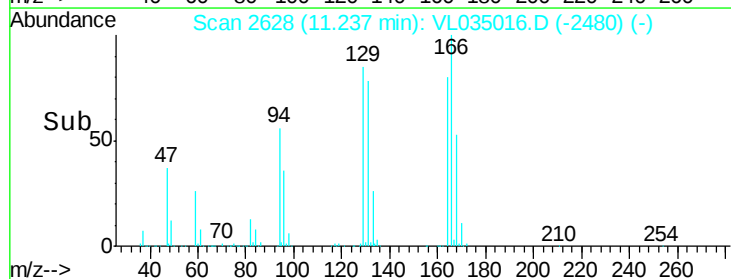
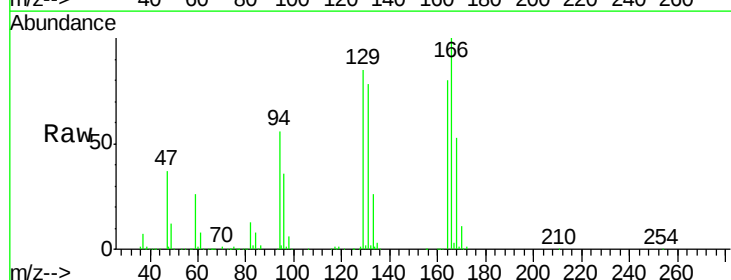
Manual Integrations
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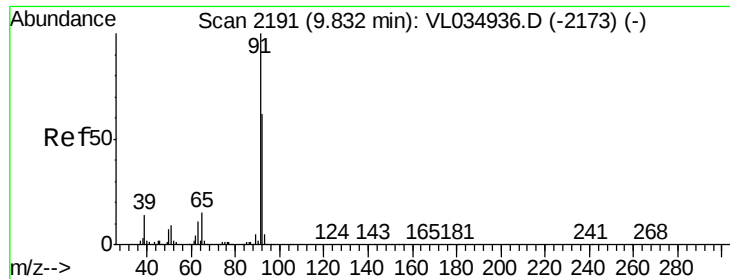
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#52
Tetrachloroethene
Concen: 11.858 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 164 Resp: 663971
Ion Ratio Lower Upper
164 100
166 125.6 100.7 151.1
129 106.2 83.0 124.4
131 97.4 81.0 121.4





#53

Toluene

Concen: 11.253 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 1878441

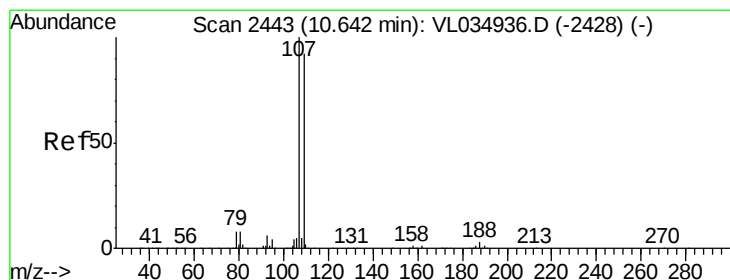
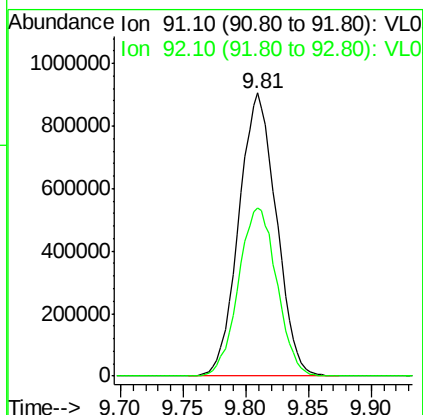
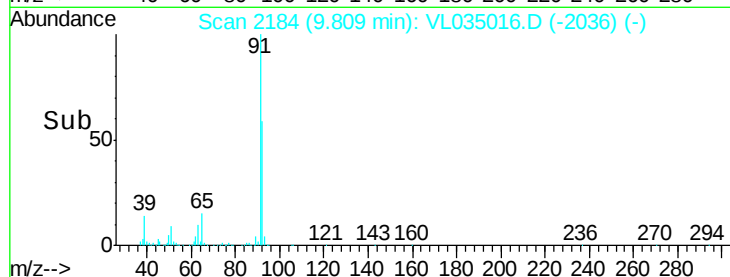
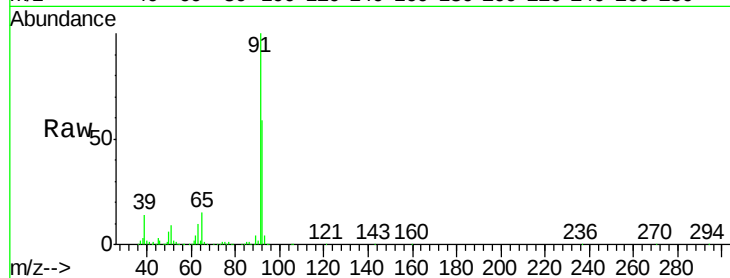
Ion Ratio Lower Upper

91 100

92 61.0 48.6 73.0

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.961 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. -0.02 min

Lab File: VL035016.D

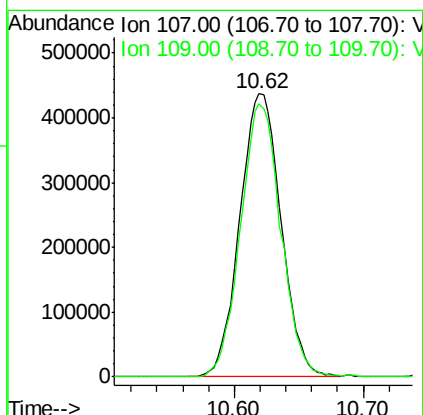
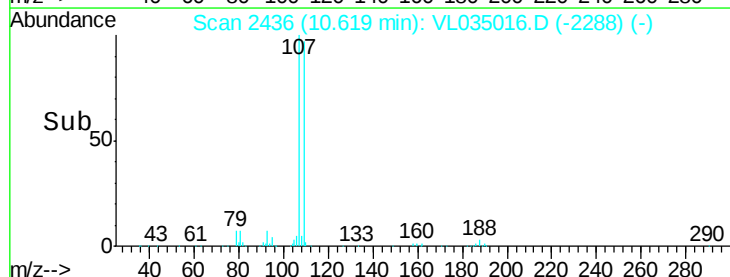
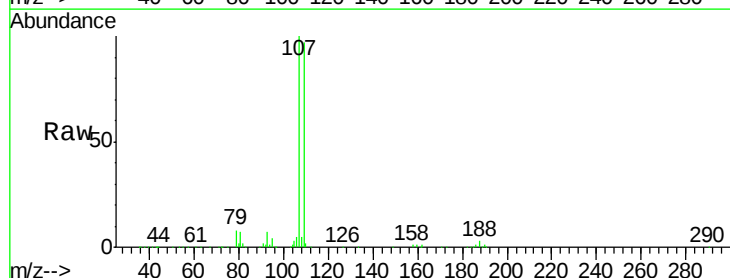
Acq: 13 May 2020 10:34

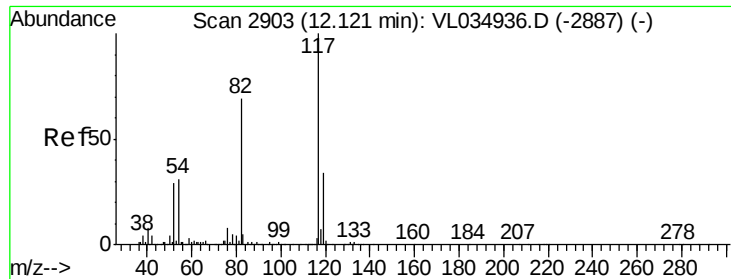
Tgt Ion: 107 Resp: 974368

Ion Ratio Lower Upper

107 100

109 96.4 73.2 109.8





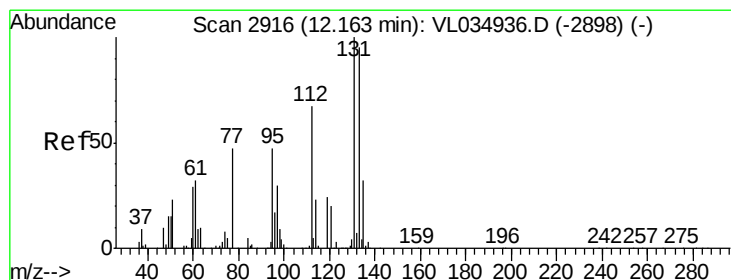
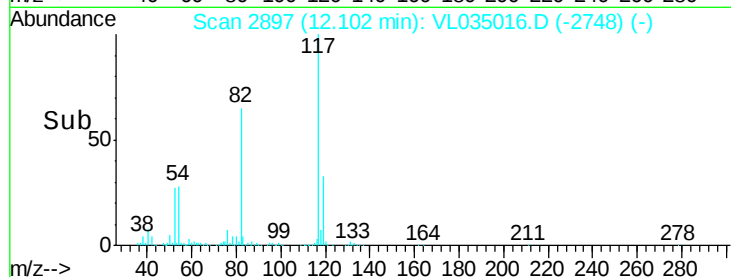
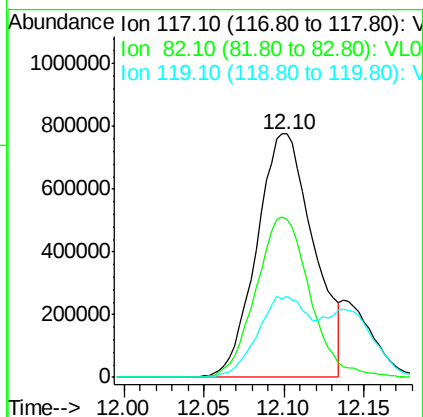
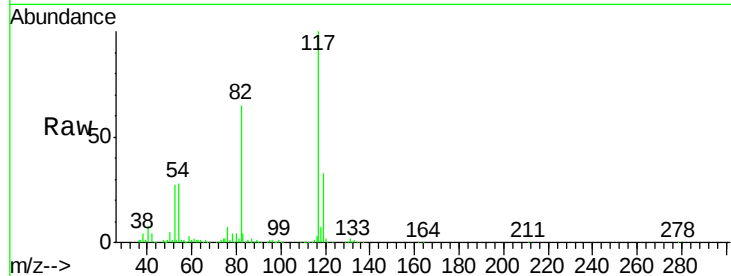
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.7	53.1	79.7
119	54.9	26.7	40.1

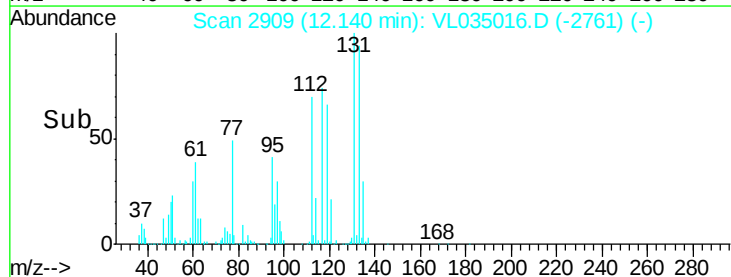
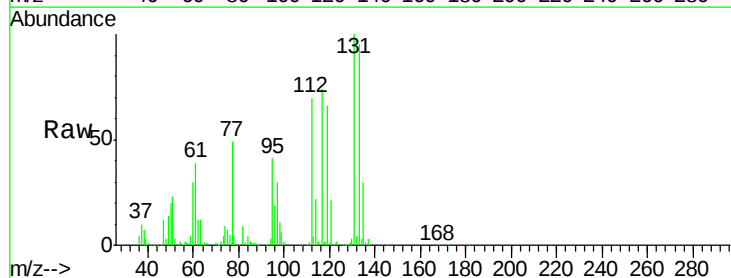
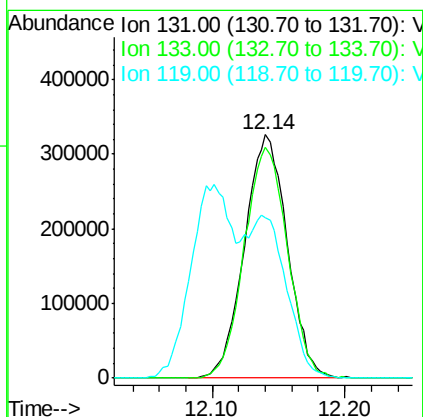
Manual Integrations
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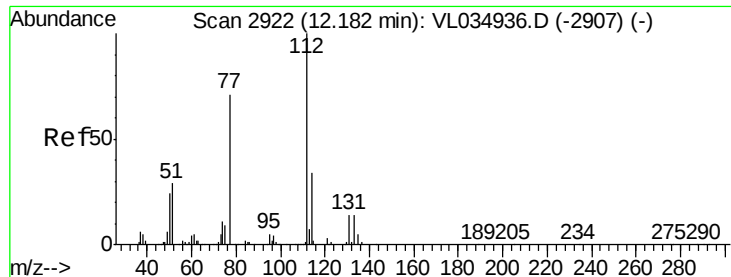
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.460 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	77.7	116.5
119	52.6	49.8	74.6





#57

Chlorobenzene

Concen: 8.962 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 112 Resp: 1360556

Ion Ratio Lower Upper

112 100

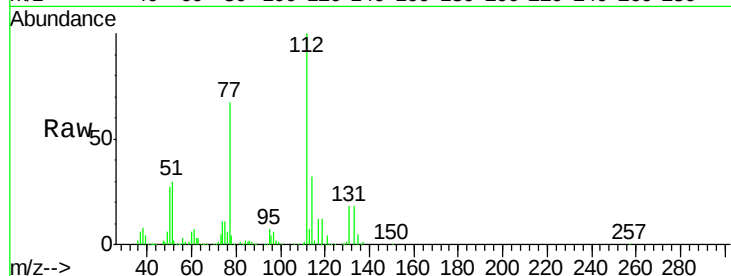
77 66.7 57.0 85.6

114 32.1 30.8 37.6

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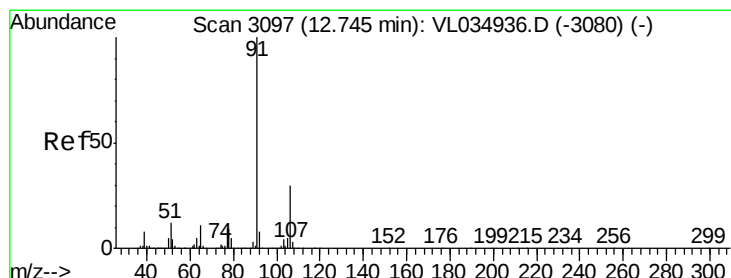
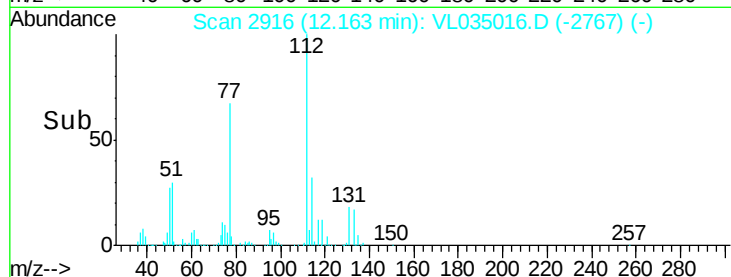
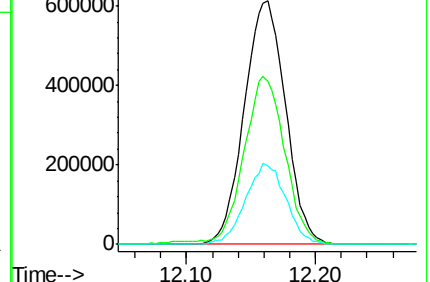
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.422 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. -0.02 min

Lab File: VL035016.D

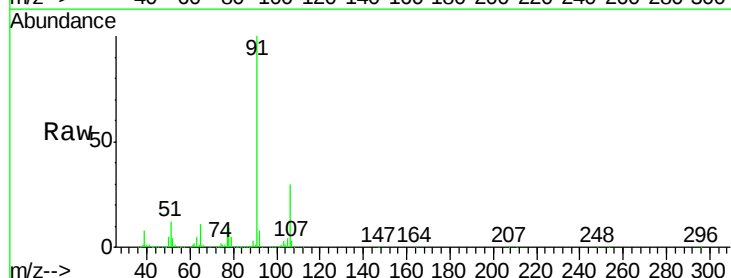
Acq: 13 May 2020 10:34

Tgt Ion: 91 Resp: 2469667

Ion Ratio Lower Upper

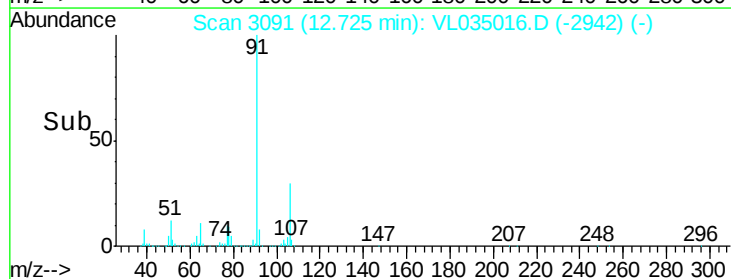
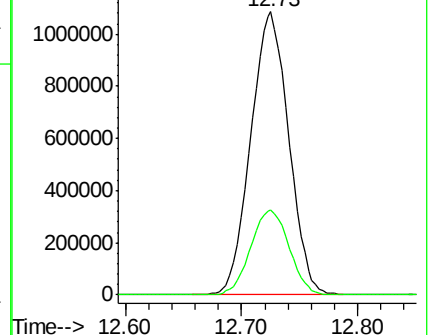
91 100

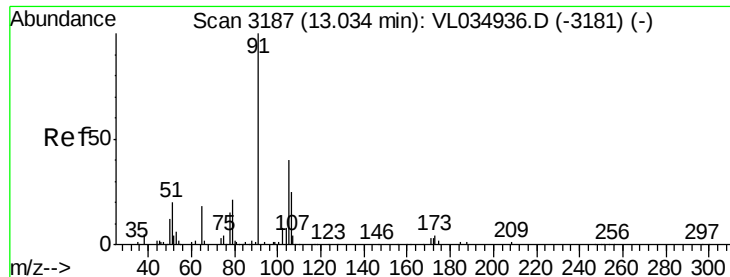
106 29.9 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





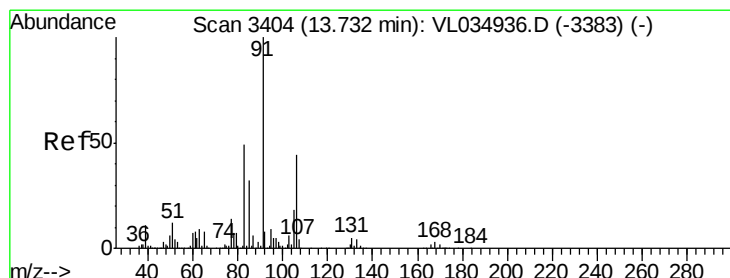
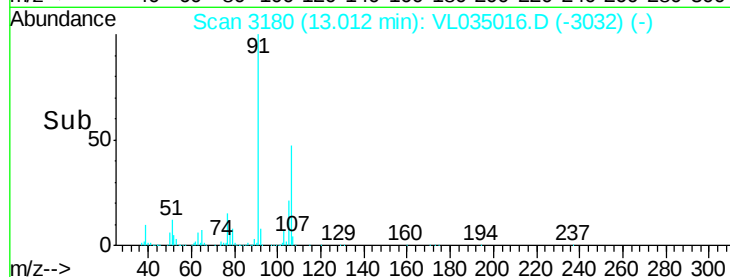
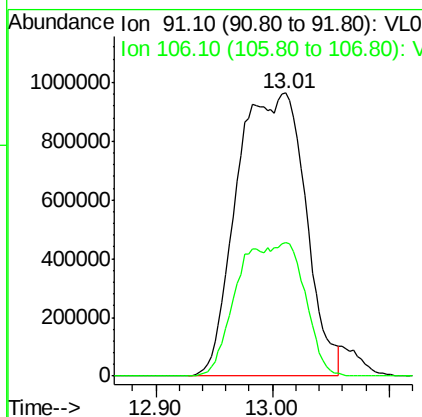
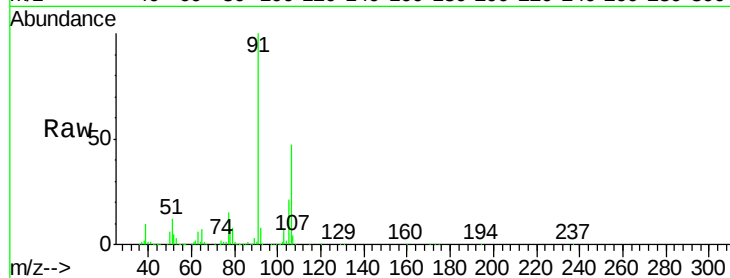
#59
m/p-Xylene
Concen: 18.840 ppbv m
RT: 13.01 min Scan# 3180
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 3927787
Ion Ratio Lower Upper
91 100
106 46.2 66.0 99.0#

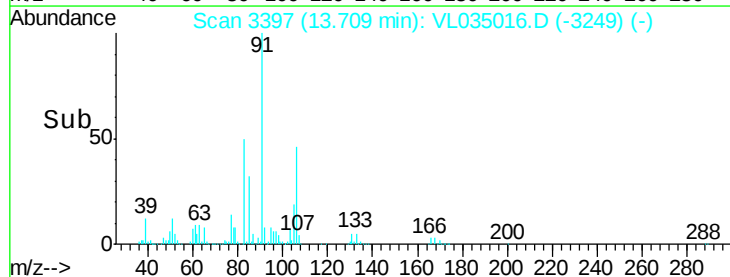
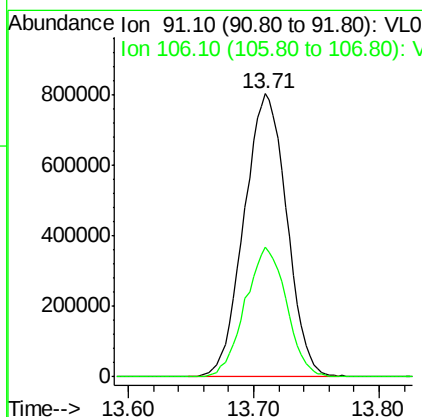
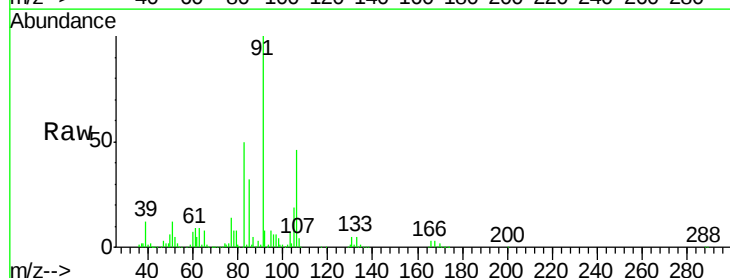
Manual Integrations
APPROVED

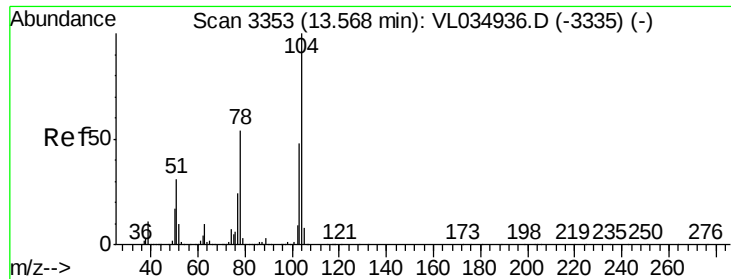
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#60
o-Xylene
Concen: 9.232 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion: 91 Resp: 1899299
Ion Ratio Lower Upper
91 100
106 44.4 21.9 65.5





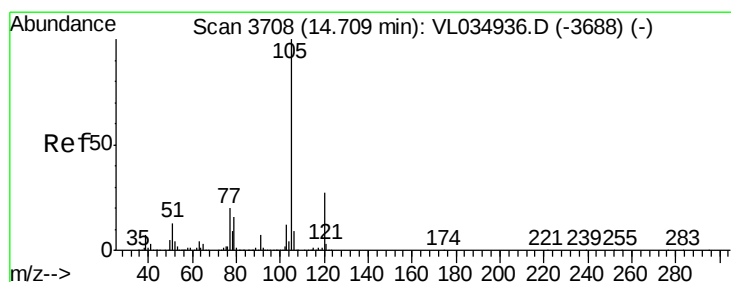
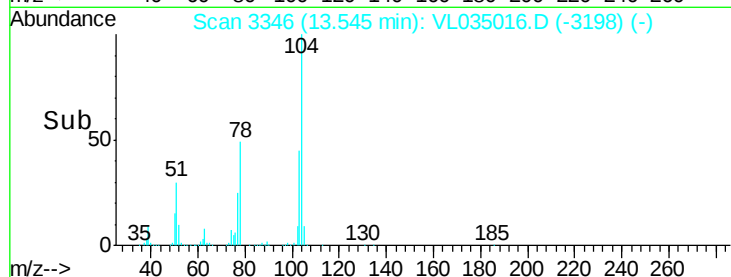
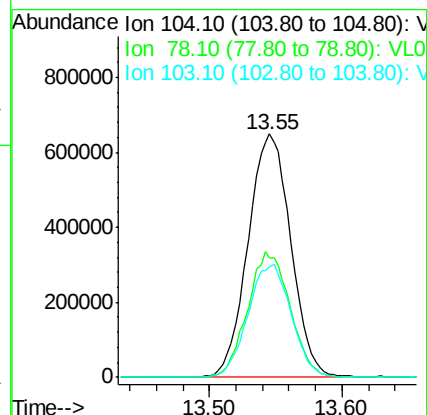
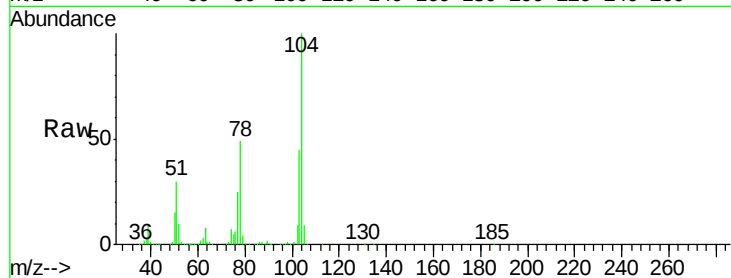
#61
Stvrene
Concen: 11.163 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.4	43.7	65.5
103	46.9	38.8	58.2

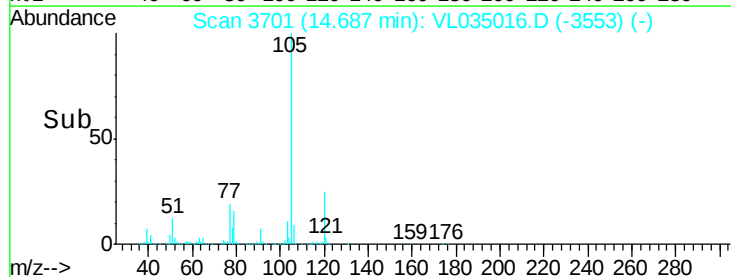
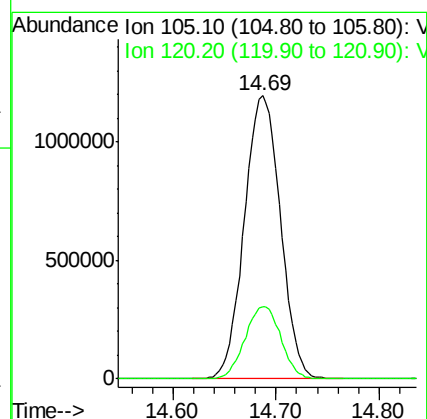
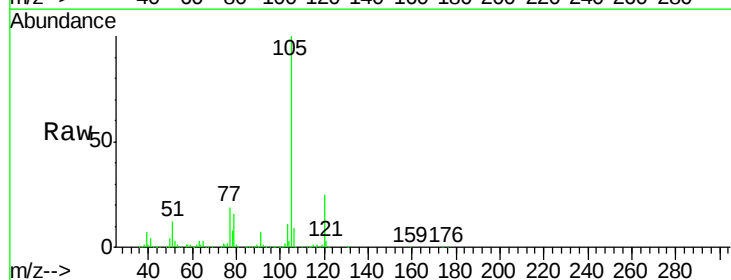
Manual Integrations
APPROVED

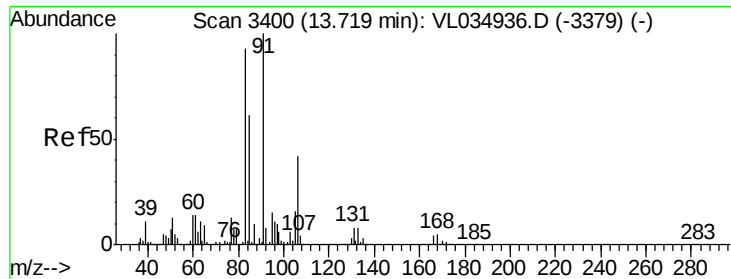
MMDadoda
5/18/2020 2:08:52 PM



#62
Isopropylbenzene
Concen: 9.460 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.6	31.0





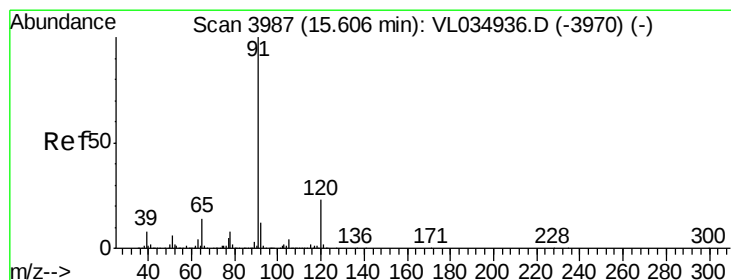
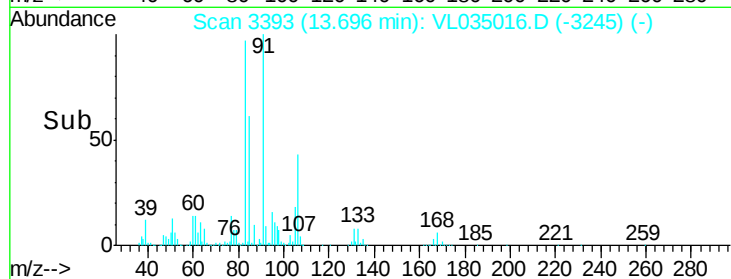
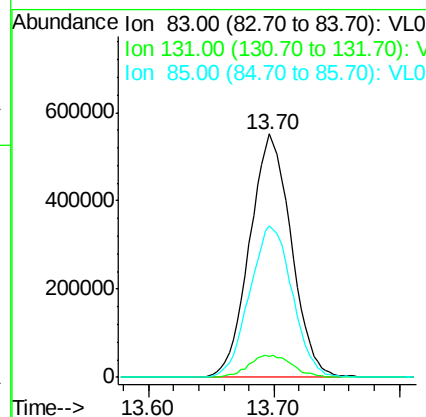
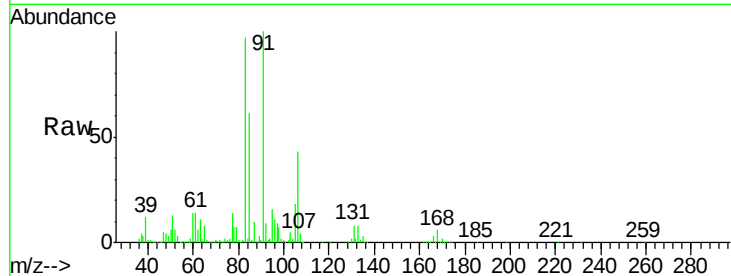
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.855 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. -0.02 min
 Lab File: VL035016.D
 Acq: 13 May 2020 10:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	1272040
Ion Ratio	100	Lower	Upper
83	100		
131	9.6	4.7	14.0
85	64.1	32.5	97.4

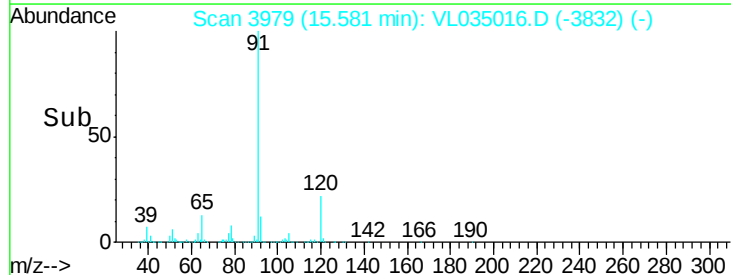
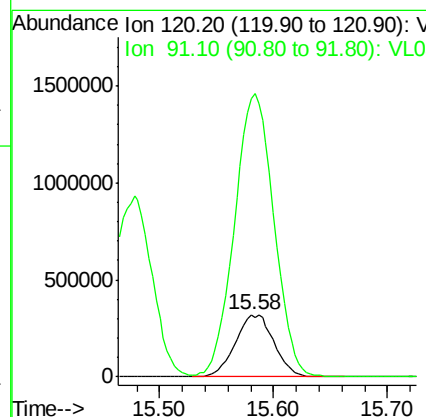
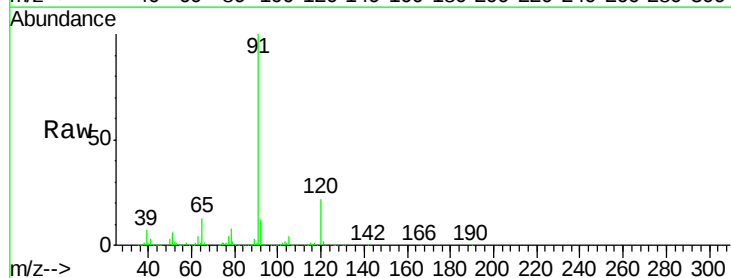
Manual Integrations
 APPROVED

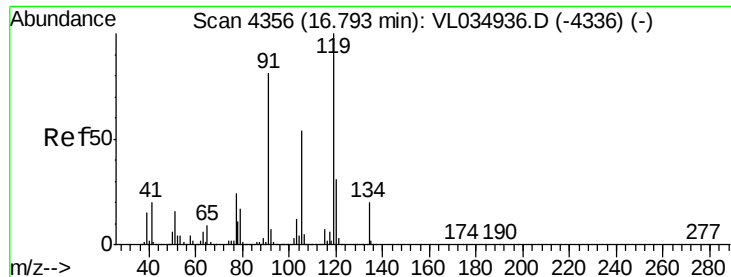
MMDadoda
 5/18/2020 2:08:52 PM



#64
 n-propylbenzene
 Concen: 9.551 ppbv m
 RT: 15.58 min Scan# 3979
 Delta R.T. -0.03 min
 Lab File: VL035016.D
 Acq: 13 May 2020 10:34

Tgt Ion	120	Resp	752504
Ion Ratio	100	Lower	Upper
120	100		
91	293.2	373.5	560.3#





#65

tert-Butylbenzene

Concen: 9.397 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 2503387

Ion Ratio Lower Upper

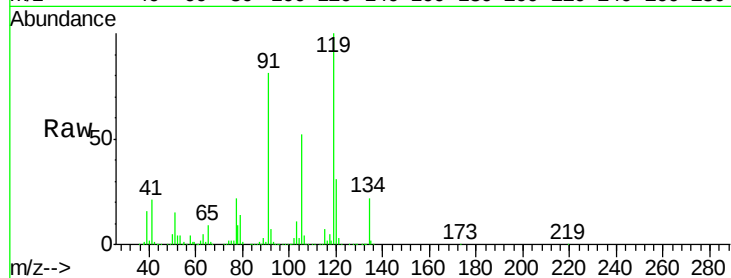
119 100

91 80.7 67.5 101.3

134 19.6 16.1 24.1

Manual Integrations
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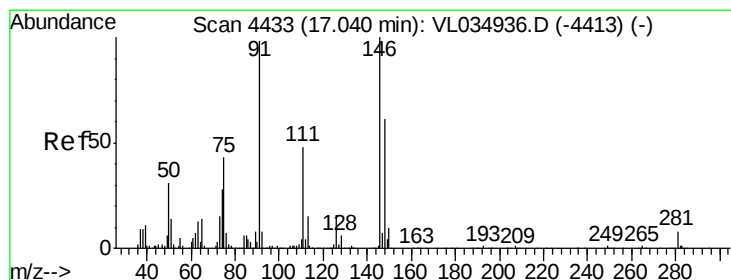
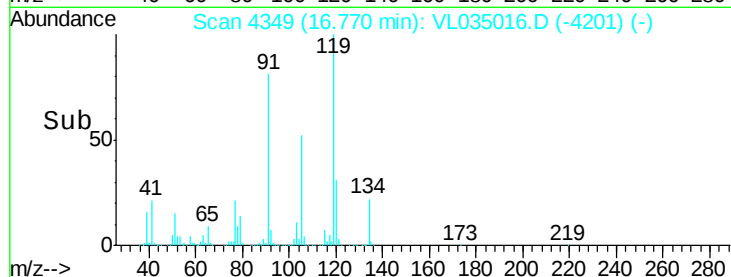
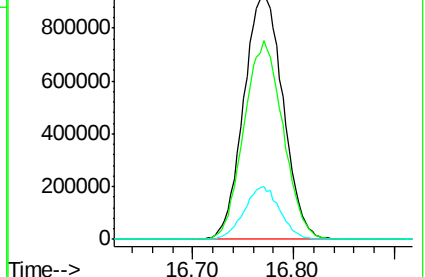
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.167 ppbv

RT: 17.01 min Scan# 4425

Delta R.T. -0.03 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

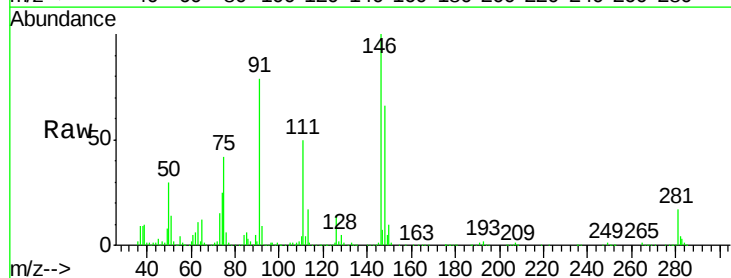
Tgt Ion: 91 Resp: 738619

Ion Ratio Lower Upper

91 100

126 17.5 13.8 20.6

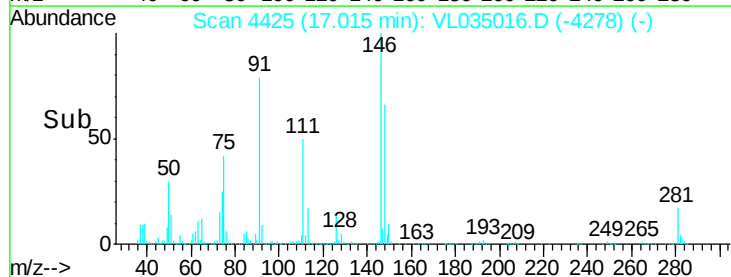
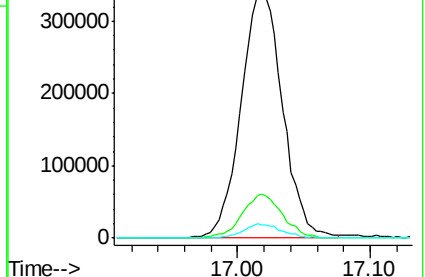
128 5.4 4.3 6.5

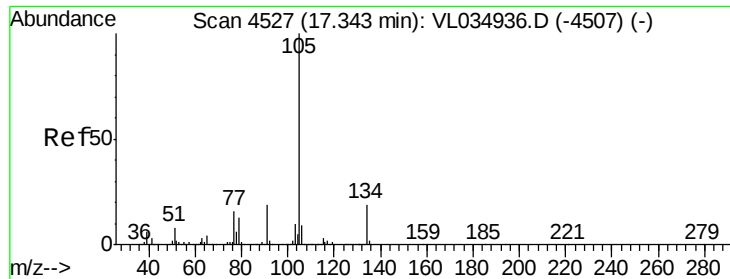


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.389 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3570568

Ion Ratio Lower Upper

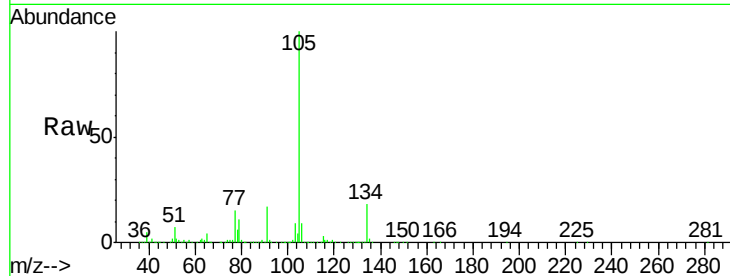
105 100

134 18.2 14.8 22.2

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.32

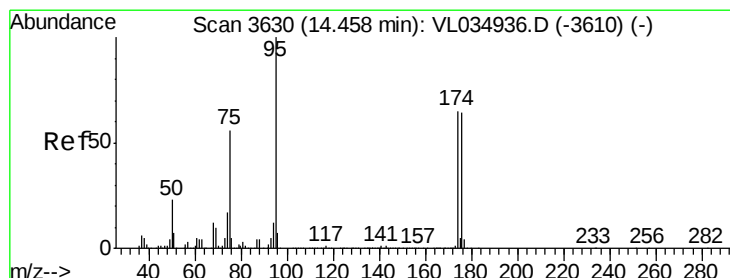
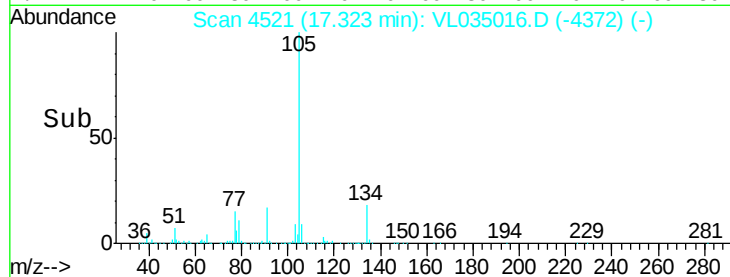
1500000

1000000

500000

0

Time--> 17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 9.084 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

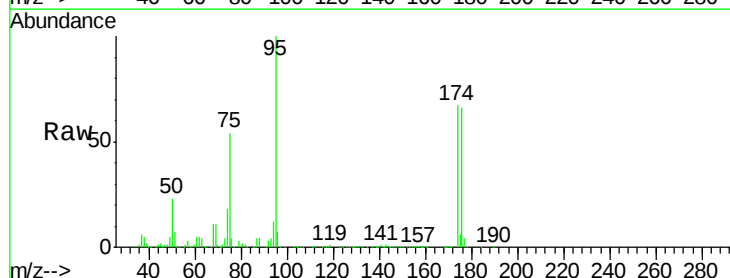
Tgt Ion: 95 Resp: 1408951

Ion Ratio Lower Upper

95 100

174 68.5 51.5 77.3

175 5.3 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

14.44

800000

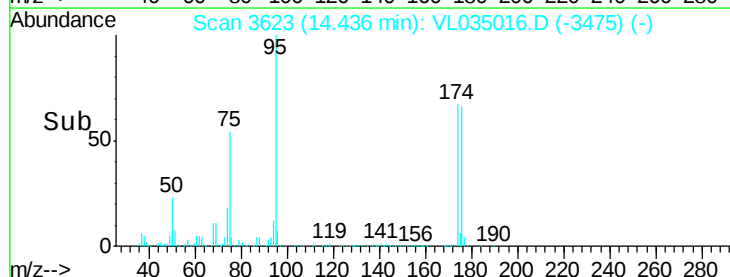
600000

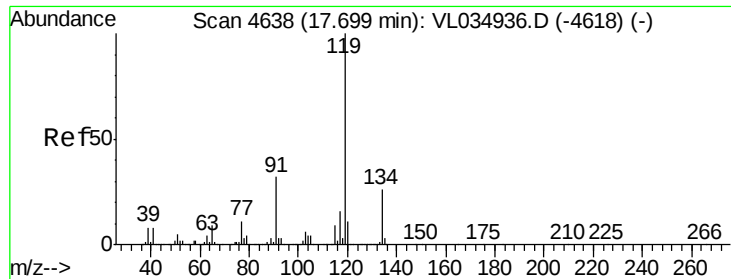
400000

200000

0

Time--> 14.40 14.50





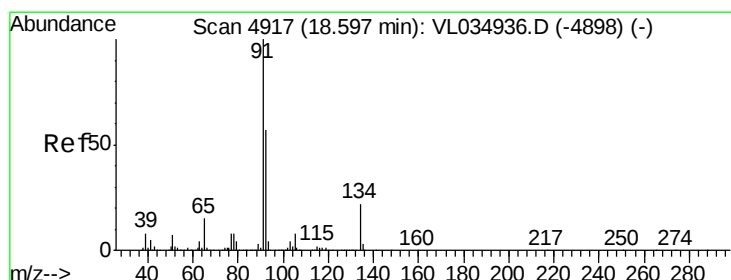
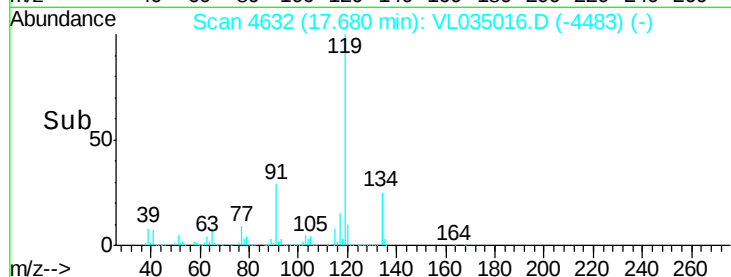
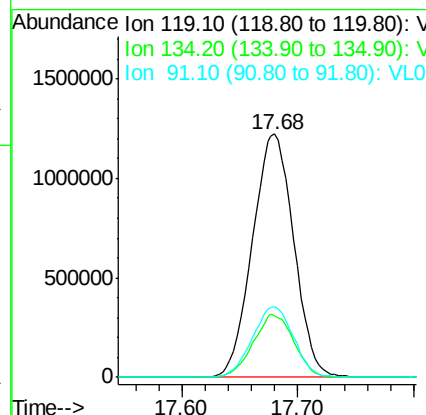
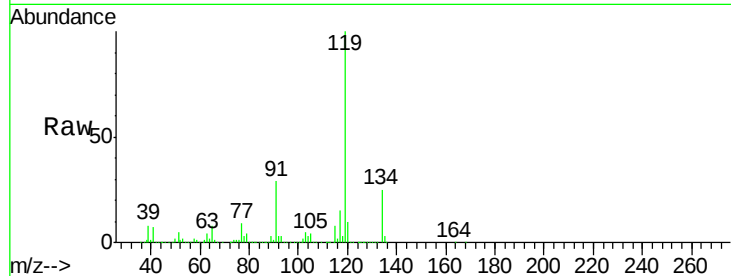
#69
 p-Isopropyltoluene
 Concen: 9.867 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. -0.02 min
 Lab File: VL035016.D
 Acq: 13 May 2020 10:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	28.9	24.6	36.8

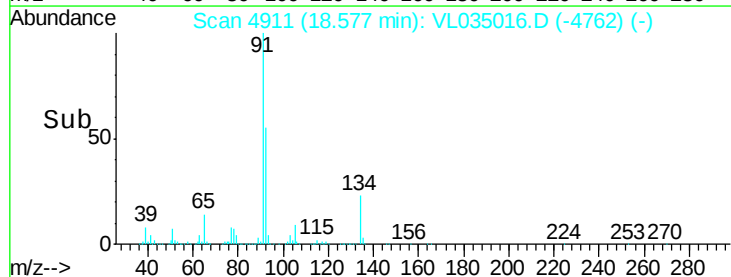
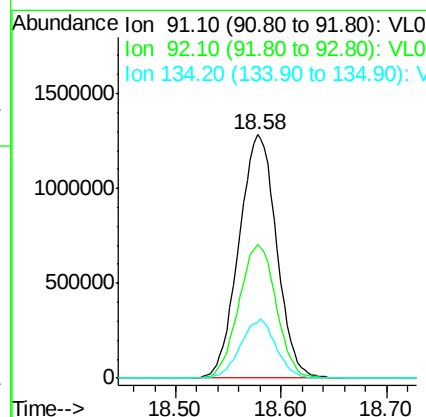
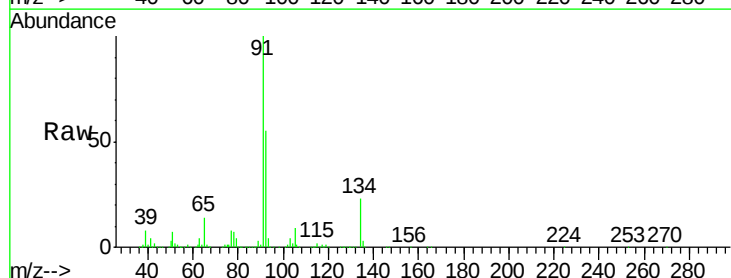
Manual Integrations
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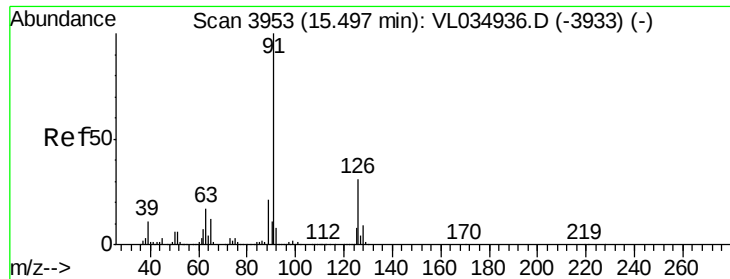
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#70
 n-Butylbenzene
 Concen: 9.676 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. -0.02 min
 Lab File: VL035016.D
 Acq: 13 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.4	66.6
134	22.9	18.0	27.0





#71

2-Chlorotoluene

Concen: 9.522 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2207734

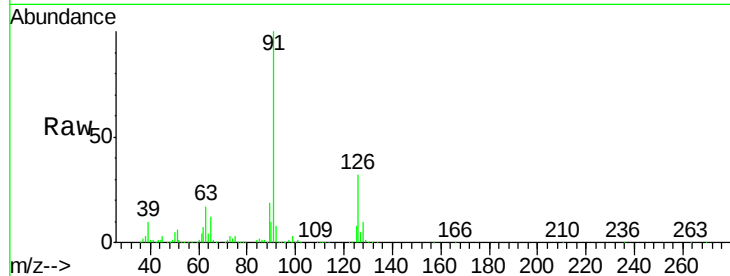
Ion Ratio Lower Upper

91 100

126 30.8 12.0 47.8

Manual Integrations
APPROVED

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

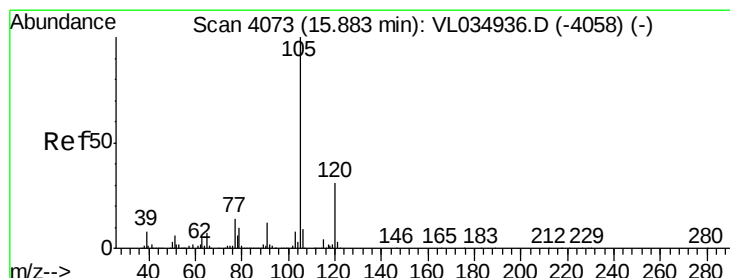
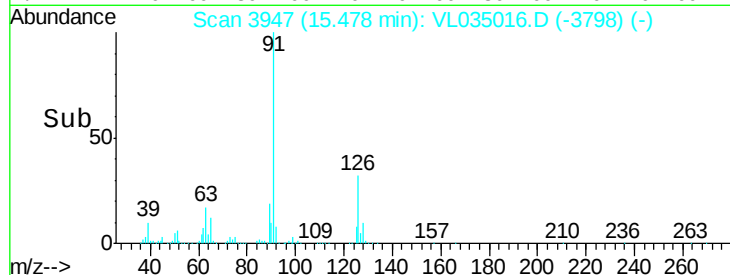
1500000

1000000

500000

0

Time-->



#72

4-Ethyltoluene

Concen: 10.100 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Tgt Ion:105 Resp: 2318322

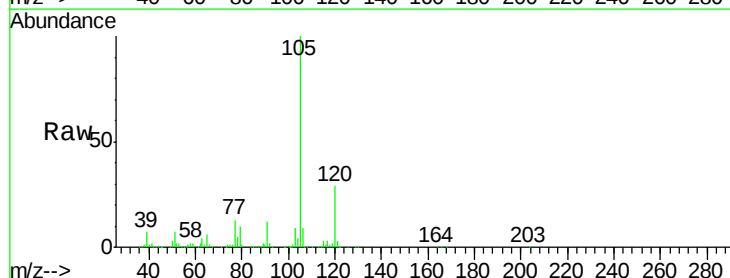
Ion Ratio Lower Upper

105 100

120 28.9 23.8 35.8

91 12.5 10.6 15.8

77 13.3 11.6 17.4



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

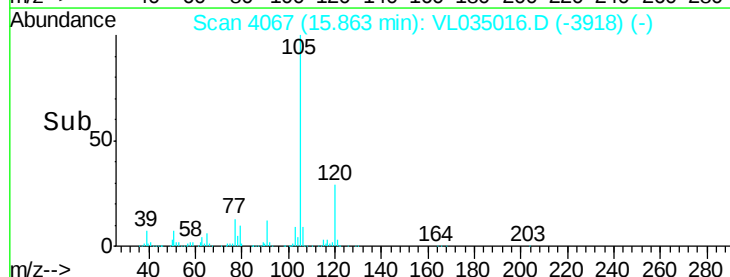
1500000

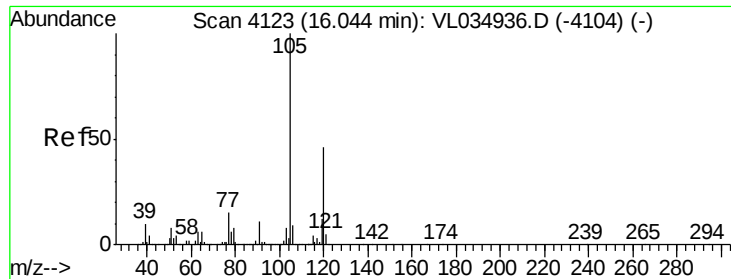
1000000

500000

0

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 9.622 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 2149304

Ion Ratio Lower Upper

105 100

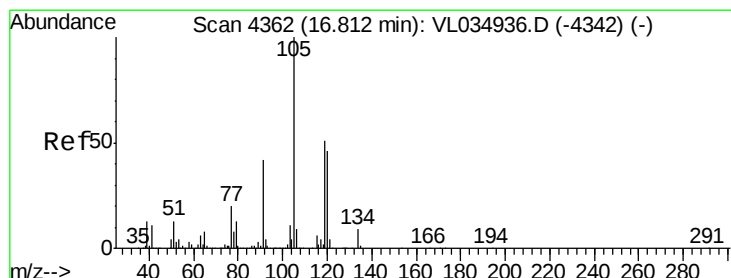
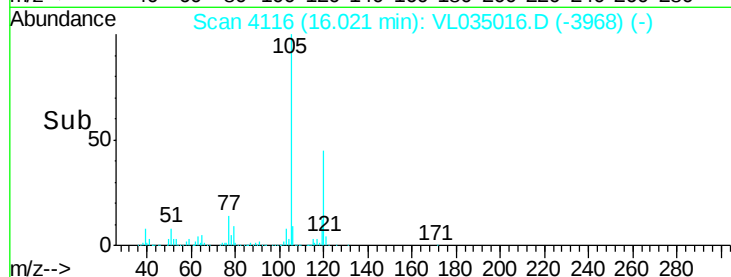
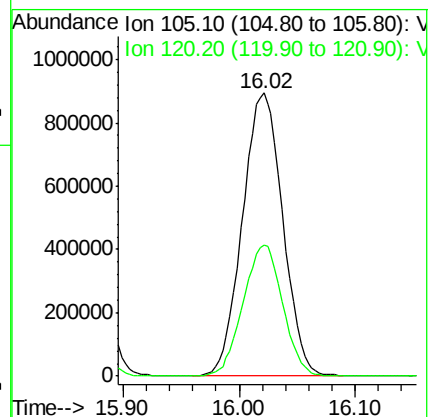
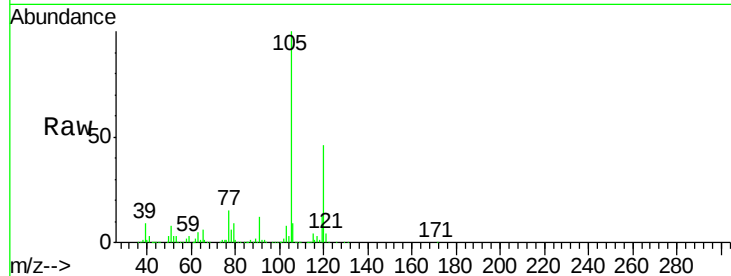
120 46.4 36.4 54.6

Manual Integrations

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#74

1,2,4-Trimethylbenzene

Concen: 9.051 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Tgt Ion:105 Resp: 2206684

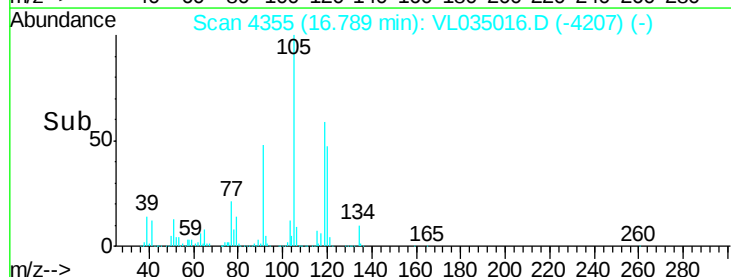
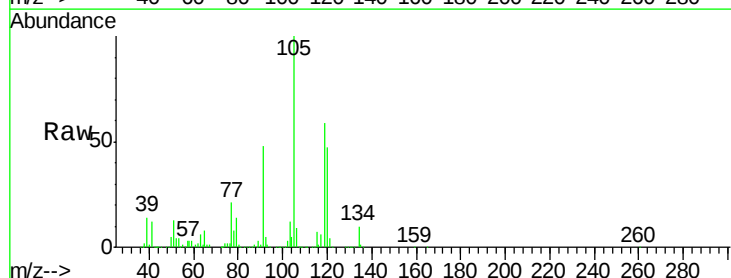
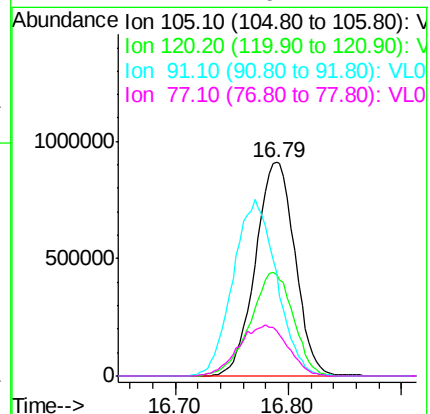
Ion Ratio Lower Upper

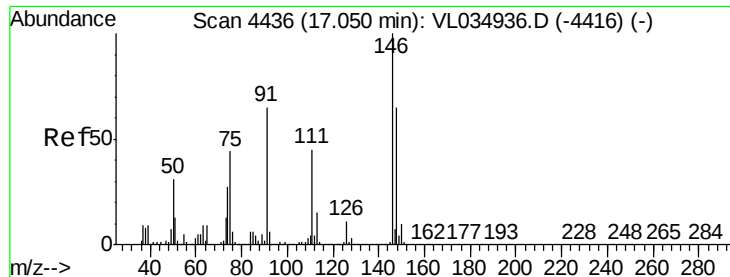
105 100

120 47.3 36.8 55.2

91 47.5 35.4 53.0

77 21.2 16.2 24.2





#75

1,3-Dichlorobenzene

Concen: 9.145 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 1309323

Ion Ratio Lower Upper

146 100

111 47.1 24.0 72.0

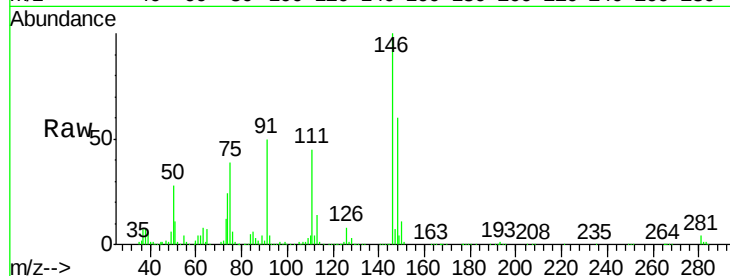
148 63.7 32.6 97.7

Manual Integrations

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MMDadoda

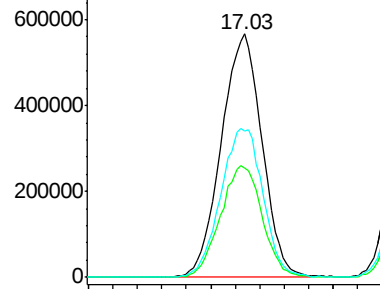
5/18/2020 2:08:52 PM



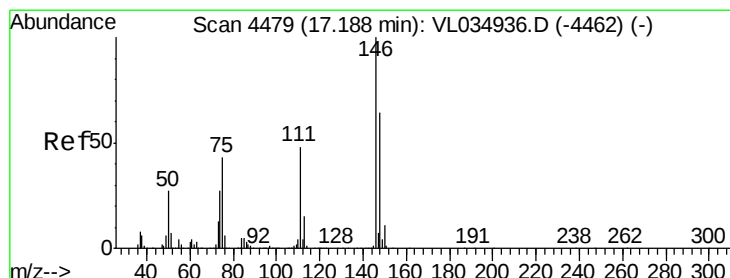
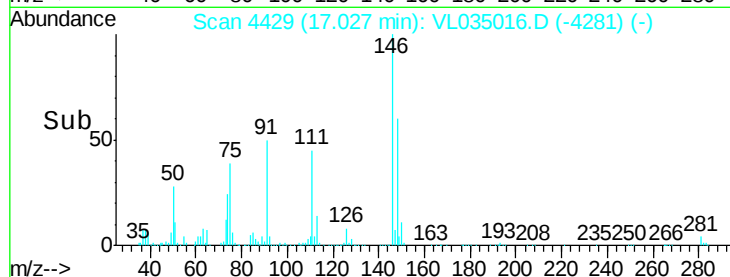
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



Time--> 16.90 17.00 17.10



#76

1,4-Dichlorobenzene

Concen: 9.699 ppbv

RT: 17.17 min Scan# 4473

Delta R.T. -0.02 min

Lab File: VL035016.D

Acq: 13 May 2020 10:34

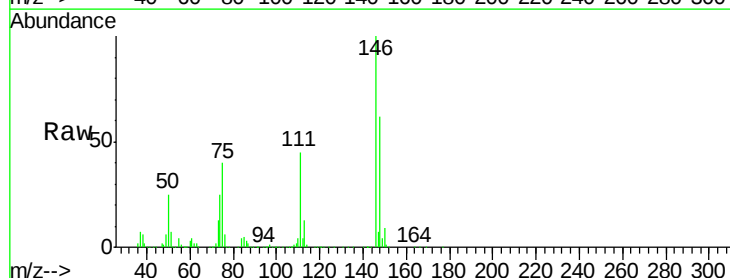
Tgt Ion:146 Resp: 1319352

Ion Ratio Lower Upper

146 100

111 46.0 23.7 71.1

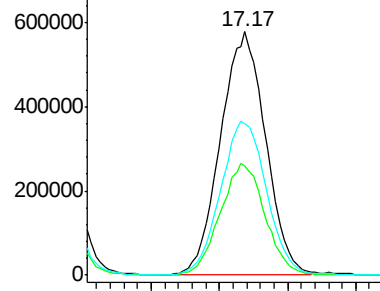
148 64.9 32.6 97.8



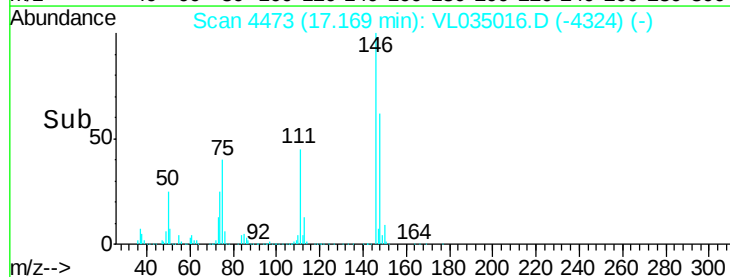
Abundance Ion 146.00 (145.70 to 146.70): V

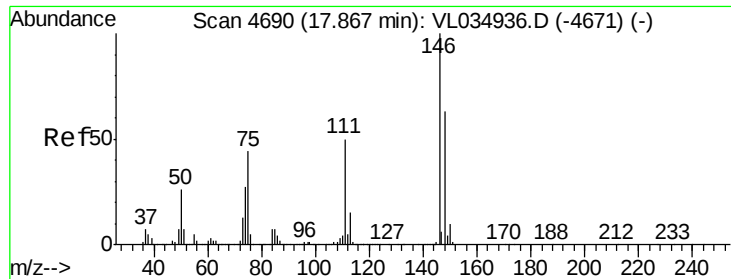
Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



Time--> 17.10 17.15 17.20 17.25





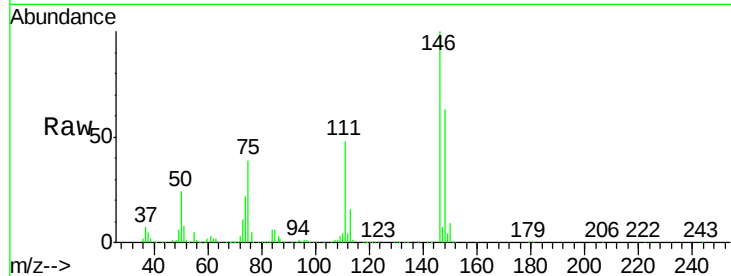
#77
 1,2-Dichlorobenzene
 Concen: 9.680 ppbv
 RT: 17.85 min Scan# 4684
 Delta R.T. -0.02 min
 Lab File: VL035016.D
 Acq: 13 May 2020 10:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

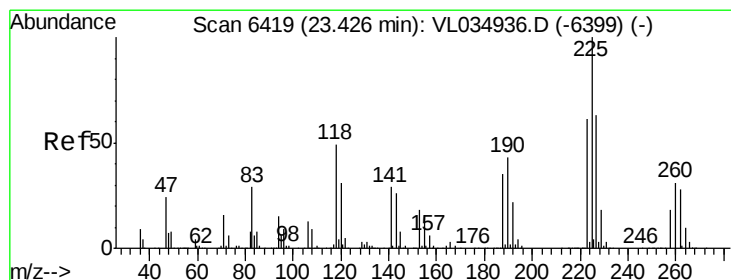
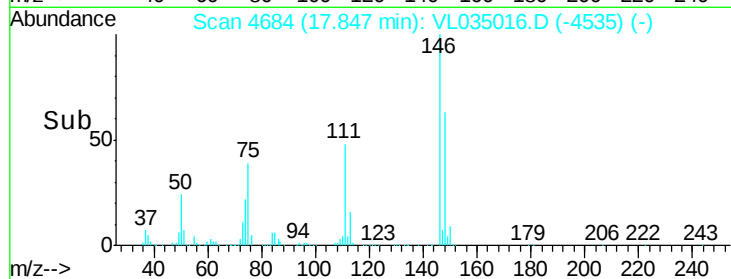
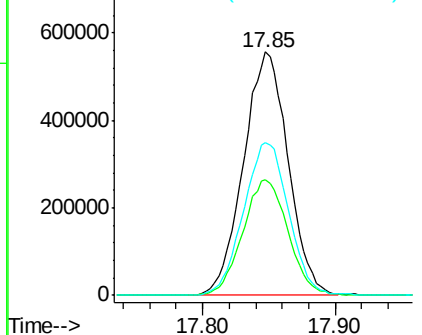
Tot Ion:146 Resp: 1305782
 Ion Ratio Lower Upper
 146 100
 111 48.2 24.5 73.5
 148 63.7 31.7 95.1

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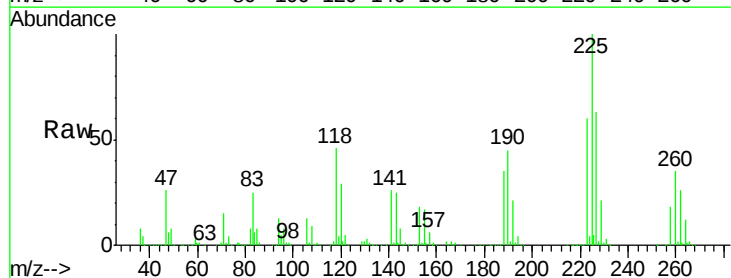


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

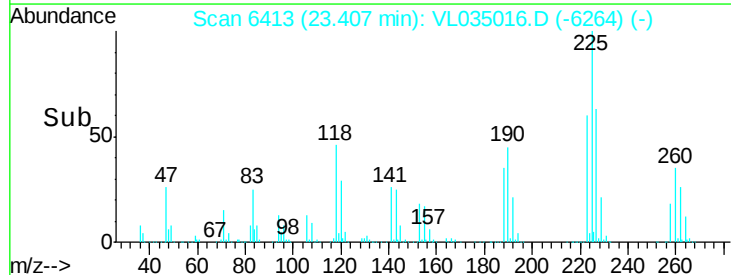
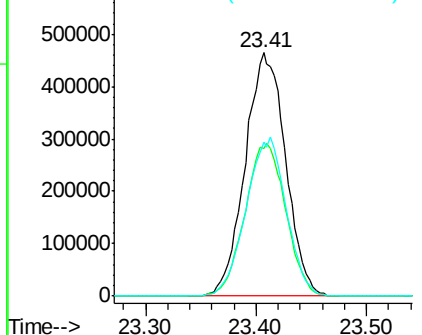


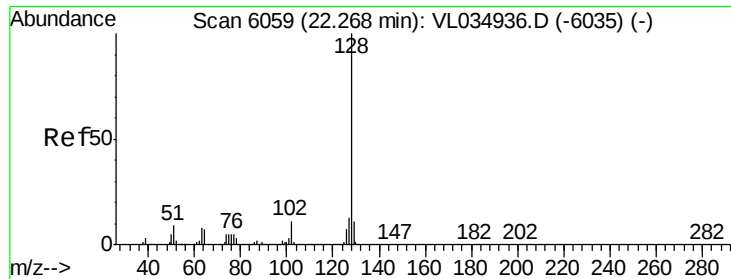
#78
 Hexachloro-1,3-Butadiene
 Concen: 10.287 ppbv
 RT: 23.41 min Scan# 6413
 Delta R.T. -0.02 min
 Lab File: VL035016.D
 Acq: 13 May 2020 10:34

Tgt Ion:225 Resp: 1182865
 Ion Ratio Lower Upper
 225 100
 223 63.1 49.8 74.8
 227 64.6 51.8 77.6



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





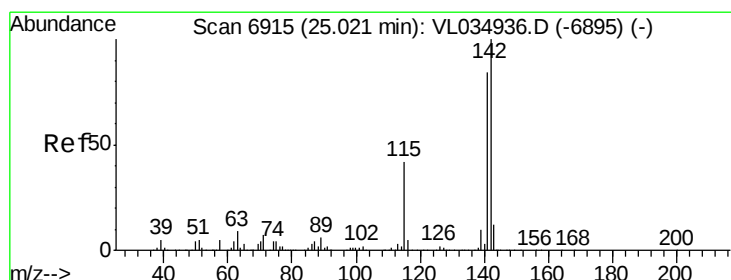
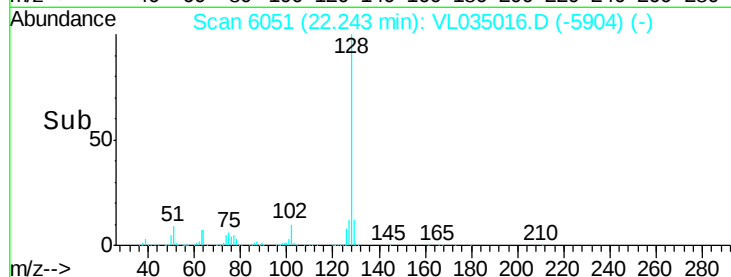
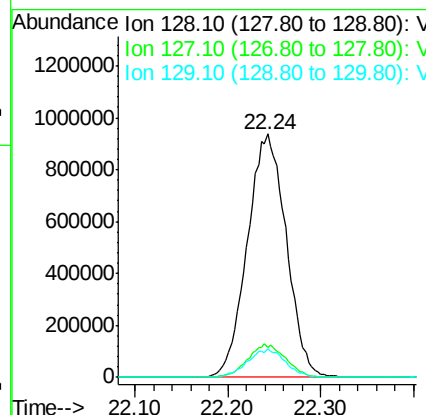
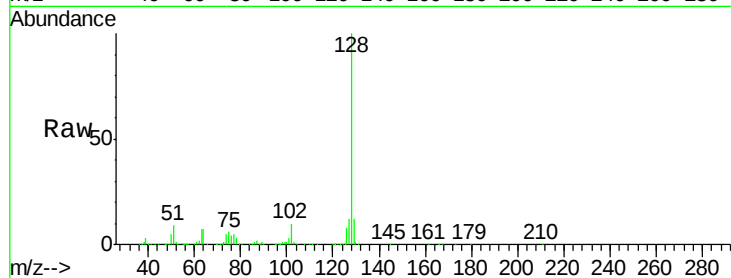
#79
Naphthalene
Concen: 14.390 ppbv
RT: 22.24 min Scan# 6051
Delta R.T. -0.03 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	11.5	9.0	13.4

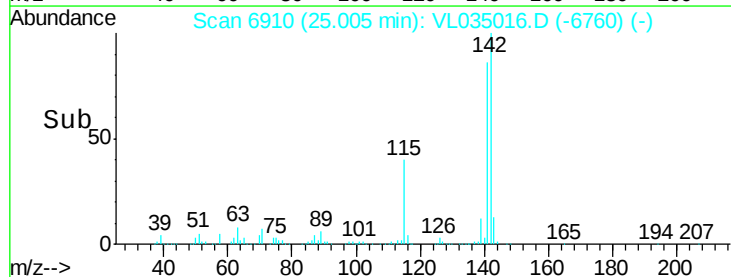
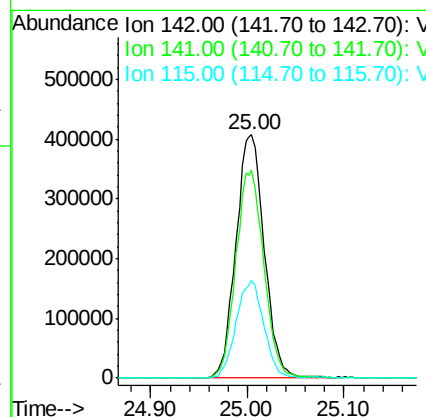
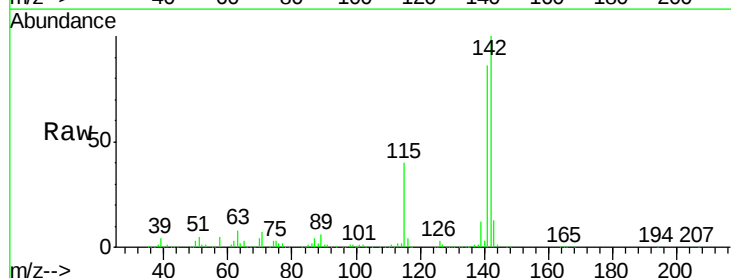
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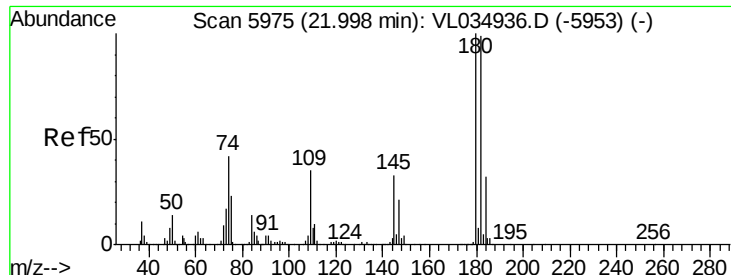
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#80
Naphthalene, 2-methyl-
Concen: 17.816 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. -0.02 min
Lab File: VL035016.D
Acq: 13 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.5	68.6	102.8
115	39.6	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 12.213 ppbv
 RT: 21.97 min Scan# 5967
 Delta R.T. -0.03 min
 Lab File: VL035016.D
 Acq: 13 May 2020 10:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	180	Resp:	1406149
Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.5	116.3
184	31.1	24.8	37.2

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