

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035020.D
 Acq On : 14 May 2020 14:32
 Operator : SY/AP
 Sample : VL0514ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0514ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 1:34:41 PM

Quant Time: May 15 01:57:36 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	1023788	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2388106	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2387188m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1965346	10.17	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1077452	7.415	ppbv	100
3) Chlorodifluoromethane	2.94	51	1050006	8.983	ppbv	99
4) Chloromethane	3.09	50	604887	9.030	ppbv	99
5) Vinyl Chloride	3.21	62	593595	9.084	ppbv	98
6) Bromomethane	3.43	94	358807	9.196	ppbv	96
7) Chloroethane	3.51	64	218564	9.313	ppbv	95
8) Dichlorotetrafluoroethane	3.14	85	1356517	9.021	ppbv	99
9) Propene	2.96	41	449456	8.861	ppbv	99
10) Heptane	8.12	43	1234719	9.717	ppbv	99
11) Trichlorofluoromethane	3.91	101	1404956	9.377	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.45	101	964486	9.041	ppbv	100
13) Ethanol	3.56	45	135162	8.076	ppbv	100
14) Bromoethene	3.70	108	424424	9.627	ppbv	97
15) Acetone	3.81	43	1113982	8.230	ppbv	97
16) 1,3-Butadiene	3.28	39	544288	9.345	ppbv	99
17) tert-Butyl alcohol	4.26	59	1087668	9.032	ppbv	99
18) 1,1-Dichloroethene	4.25	96	457588	9.887	ppbv	97
19) Isopropyl Alcohol	3.93	45	803177	8.898	ppbv	99
20) Methylene Chloride	4.31	84	401565	8.963	ppbv	95
21) Allyl Chloride	4.38	41	770957	10.084	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	449846	9.812	ppbv	95
23) Vinyl Acetate	5.05	43	1669419	9.727	ppbv	98
24) 1,1-Dichloroethane	4.98	63	1213020	9.176	ppbv	99
25) Ethyl Acetate	5.65	43	2144452	9.432	ppbv	99
26) Hexane	5.66	57	937128	9.508	ppbv	99
27) Carbon Disulfide	4.52	76	1148165	9.883	ppbv	99
28) Methyl tert-Butyl Ether	5.00	73	1402162	9.341	ppbv	100
29) Chloroform	5.73	83	1460665	9.057	ppbv	93
30) Cyclohexane	7.12	84	775787	10.200	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	961139	9.994	ppbv	95
32) 1,1,1-Trichloroethane	6.50	97	1390666	9.549	ppbv	100
34) 2-Butanone	5.22	43	1390754	9.370	ppbv	99
35) Carbon Tetrachloride	7.01	117	1421211	9.429	ppbv	97
36) Benzene	6.88	78	1865209	9.473	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1163047	9.576	ppbv	99
38) Trichloroethene	7.83	130	714256	9.364	ppbv	96
39) 1,2-Dichloropropane	7.61	63	737786	9.348	ppbv	98
40) 1,4-Dioxane	7.83	88	278339	8.676	ppbv #	1
41) Tetrahydrofuran	6.03	42	776759	9.940	ppbv	99
42) Bromodichloromethane	7.79	83	1569462	9.582	ppbv	96
43) Methyl Methacrylate	8.01	69	859277	10.335	ppbv	100

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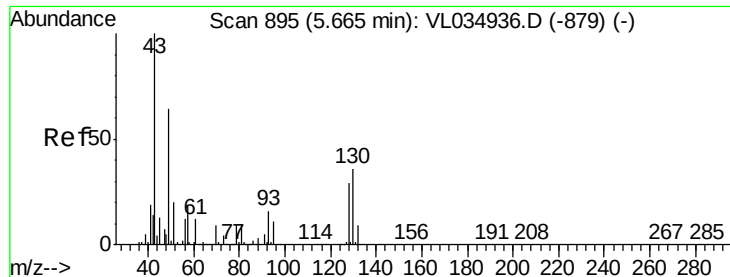
Manual Integrations
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Quant Time: May 15 01:57:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3255538	9.300	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	957842	11.416	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1126842	10.939	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	769176	9.235	ppbv	96
48) Dibromochloromethane	10.32	129	1276352	9.965	ppbv	100
49) Bromoform	13.06	173	1099151	9.973	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2072038	9.790	ppbv	99
51) 2-Hexanone	10.14	43	1705008	10.299	ppbv	99
52) Tetrachloroethene	11.24	164	657859	9.397	ppbv	96
53) Toluene	9.82	91	2183737	10.463	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1182228	9.666	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	944249	8.771	ppbv	95
57) Chlorobenzene	12.16	112	1619426	8.563	ppbv	99
58) Ethyl Benzene	12.73	91	2919742	9.891	ppbv	99
59) m/p-Xylene	13.01	91	4787973m	18.435	ppbv	
60) o-Xylene	13.71	91	2397858	9.356	ppbv	98
61) Styrene	13.55	104	1699534	10.479	ppbv	99
62) Isopropylbenzene	14.69	105	3524589	9.211	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1672310	8.289	ppbv	100
64) n-propylbenzene	15.59	120	899268	9.162	ppbv	93
65) tert-Butylbenzene	16.77	119	3014302	9.083	ppbv	99
66) Benzyl Chloride	17.02	91	1102855	9.789	ppbv	97
67) sec-Butylbenzene	17.32	105	4333941	9.148	ppbv	99
69) p-Isopropyltoluene	17.68	119	3521038	9.187	ppbv	100
70) n-Butylbenzene	18.58	91	3757096	9.210	ppbv	98
71) 2-Chlorotoluene	15.48	91	2724073	9.431	ppbv	99
72) 4-Ethyltoluene	15.87	105	2793491	9.770	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	2570600	9.238	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	2665593	8.776	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	1503645	8.431	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1502973	8.869	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1436588	8.549	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	1199015	8.370	ppbv	99
79) Naphthalene	22.25	128	2674880	11.309	ppbv	99
80) Naphthalene,2-methyl-	25.00	142	1217325	20.938	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1394359m	9.722	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 49 Resp: 1023788

Ion Ratio Lower Upper

49 100

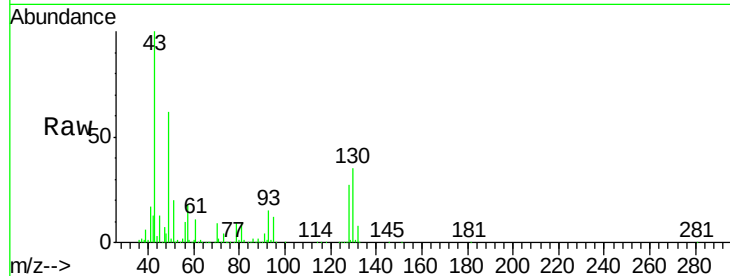
128 44.7 22.1 66.5

130 57.3 29.1 87.3

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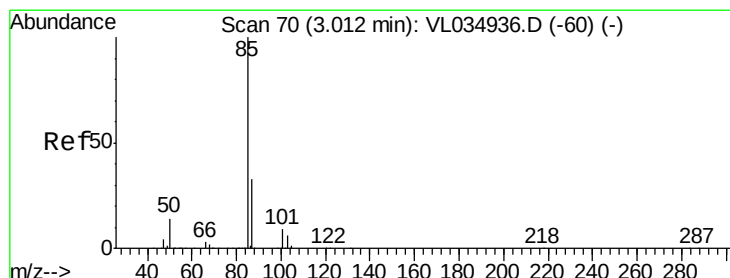
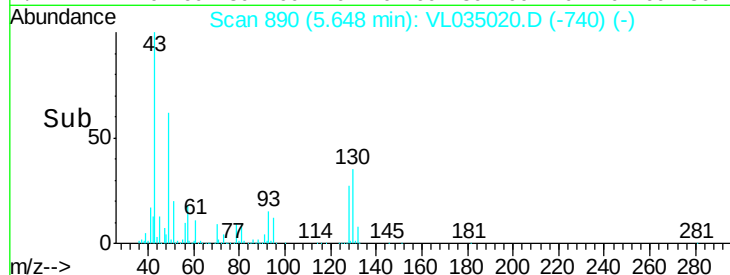
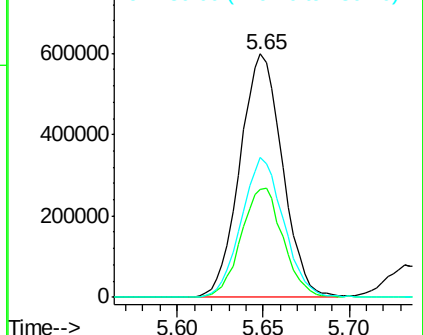
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.415 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035020.D

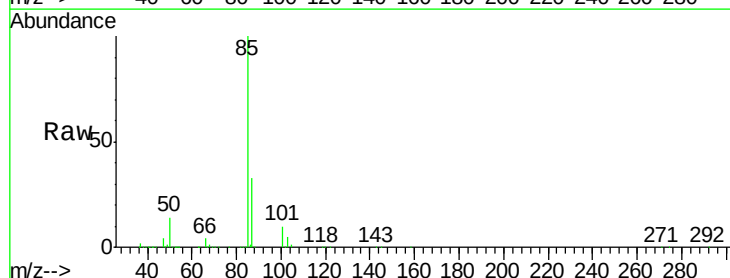
Acq: 14 May 2020 14:32

Tgt Ion: 85 Resp: 1077452

Ion Ratio Lower Upper

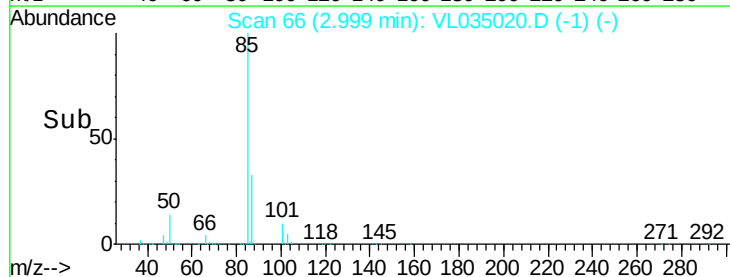
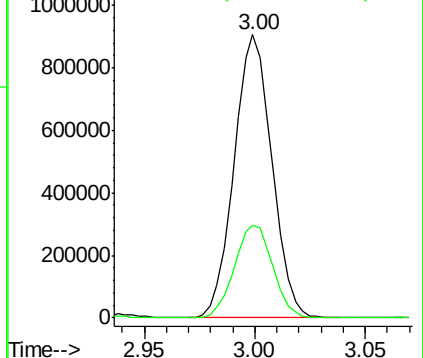
85 100

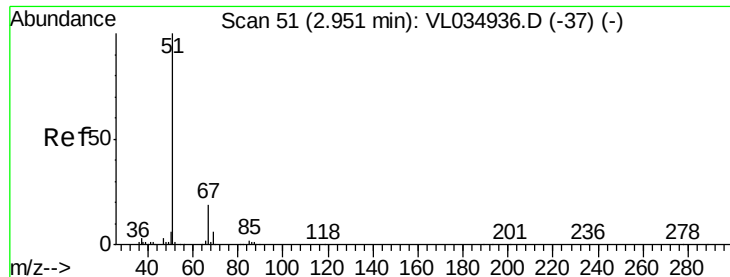
87 32.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.983 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.01 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Tot Ion: 51 Resp: 1050006

Ion Ratio Lower Upper

51 100

67 19.4 15.0 22.6

Instrument :

MSVOA_L

ClientSampleId :

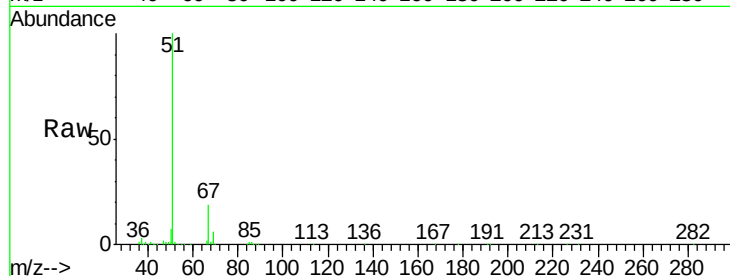
VL0514ABS01

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.94

800000

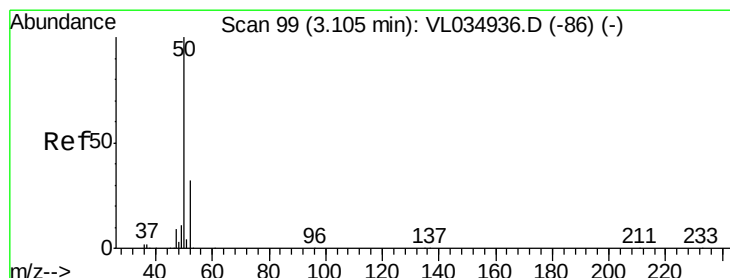
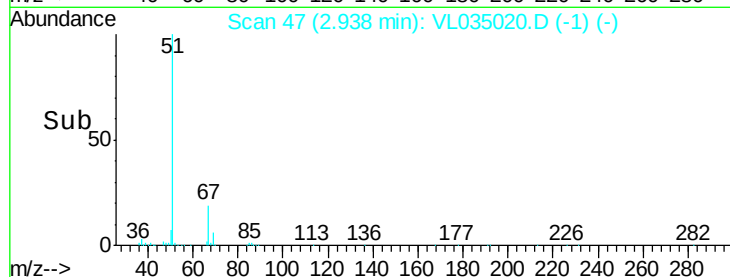
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.030 ppbv

RT: 3.09 min Scan# 95

Delta R.T. -0.01 min

Lab File: VL035020.D

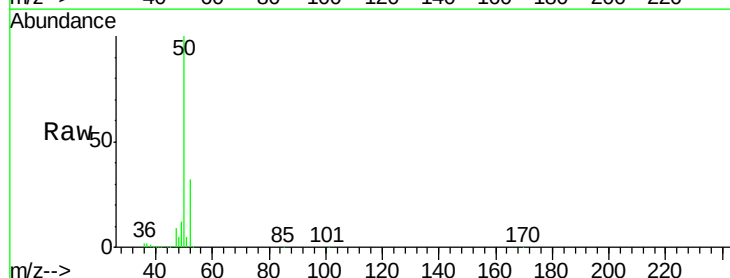
Acq: 14 May 2020 14:32

Tgt Ion: 50 Resp: 604887

Ion Ratio Lower Upper

50 100

52 32.3 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.09

500000

400000

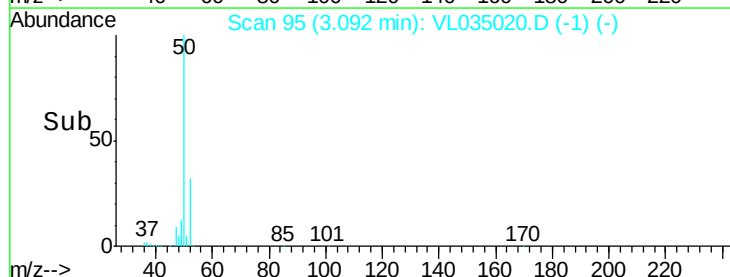
300000

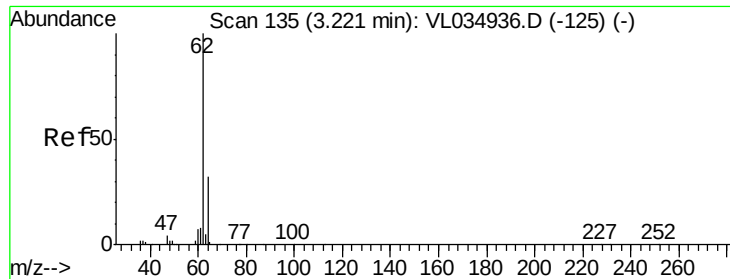
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.084 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.01 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 62 Resp: 593595

Ion Ratio Lower Upper

62 100

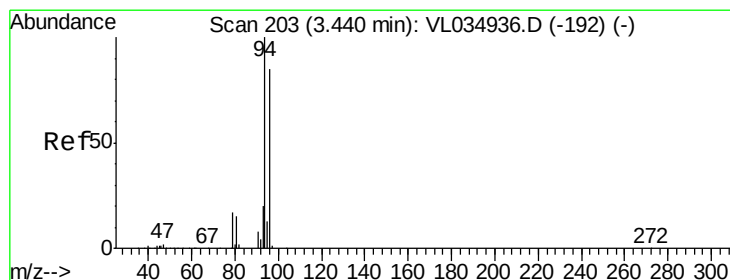
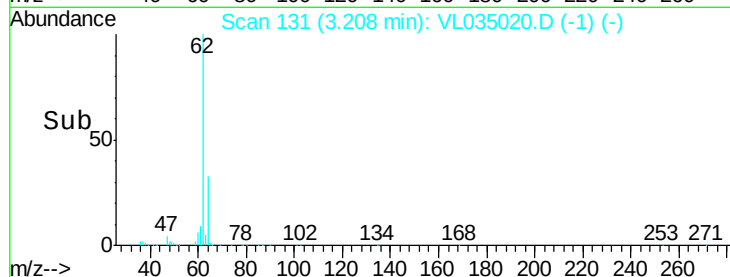
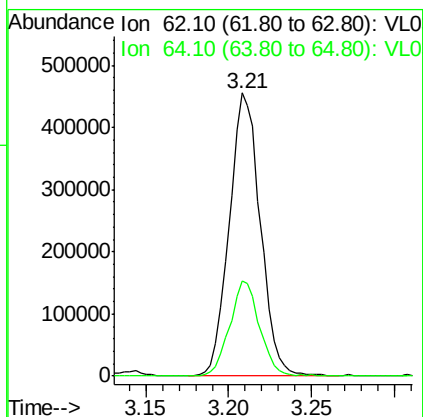
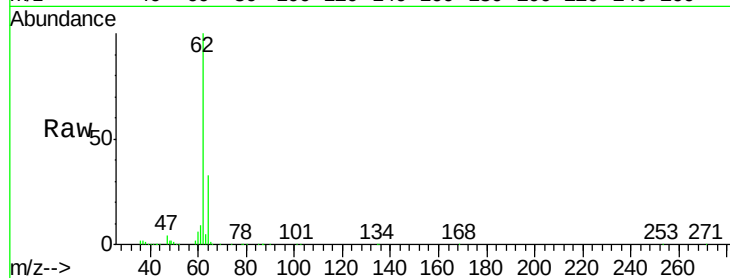
64 33.4 25.7 38.5

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#6

Bromomethane

Concen: 9.196 ppbv

RT: 3.43 min Scan# 200

Delta R.T. -0.01 min

Lab File: VL035020.D

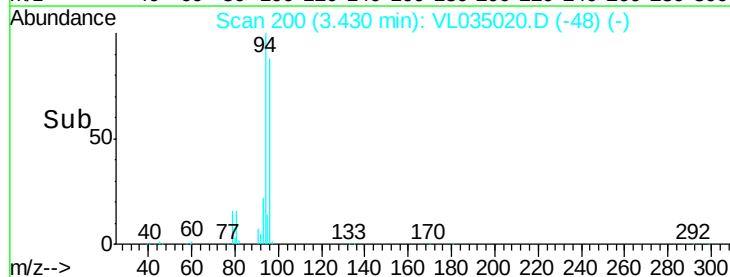
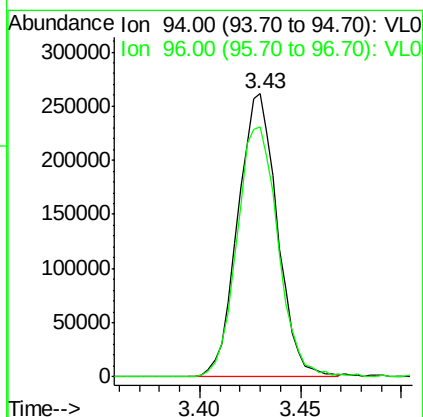
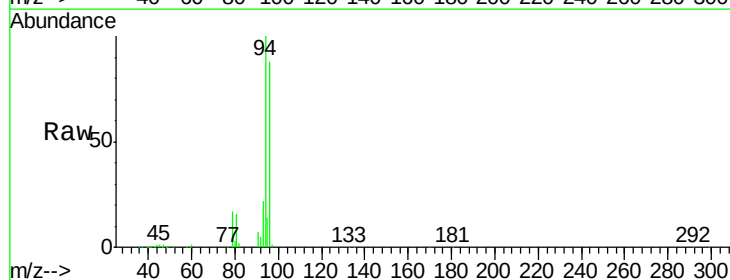
Acq: 14 May 2020 14:32

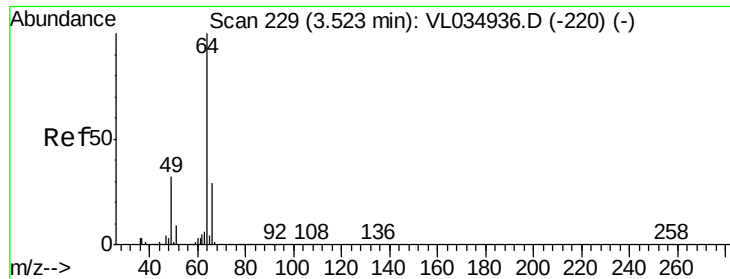
Tgt Ion: 94 Resp: 358807

Ion Ratio Lower Upper

94 100

96 88.2 67.9 101.9





#7

Chloroethane

Concen: 9.313 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.01 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 64 Resp: 218564

Ion Ratio Lower Upper

64 100

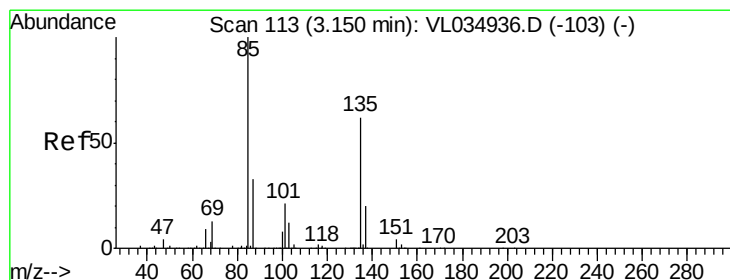
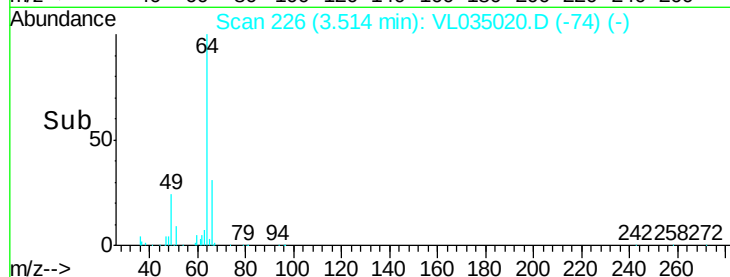
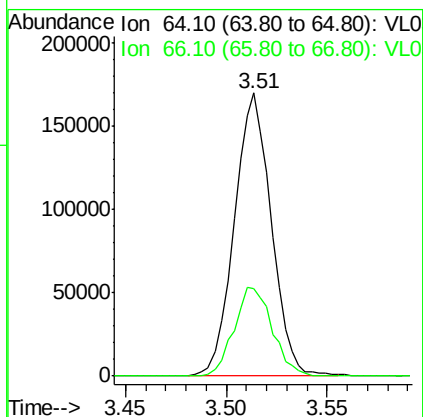
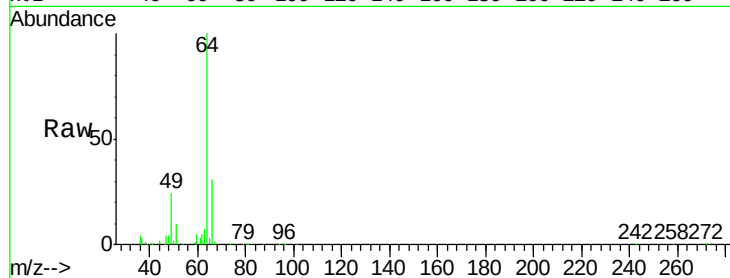
66 31.6 23.2 34.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.021 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.01 min

Lab File: VL035020.D

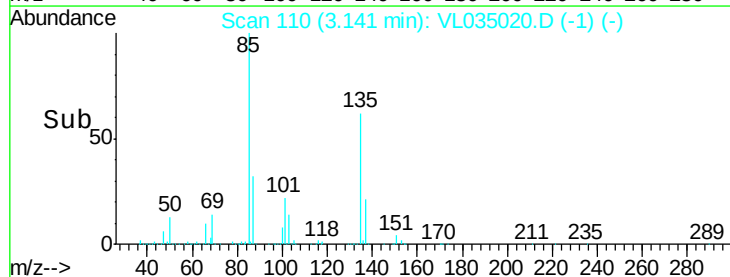
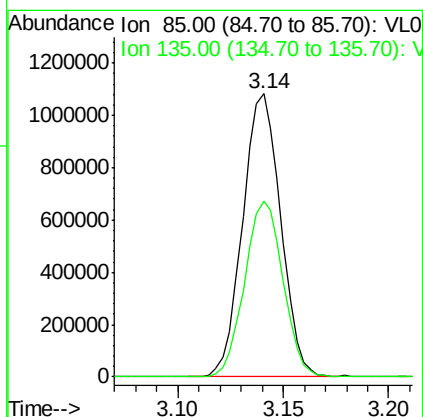
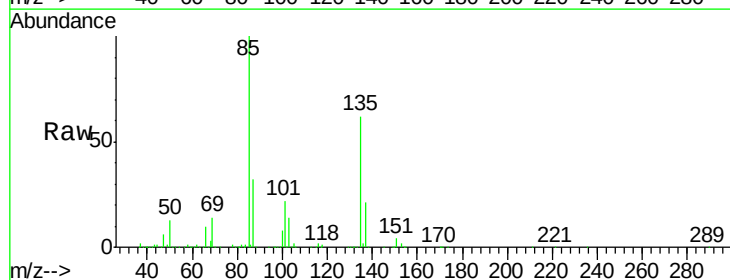
Acq: 14 May 2020 14:32

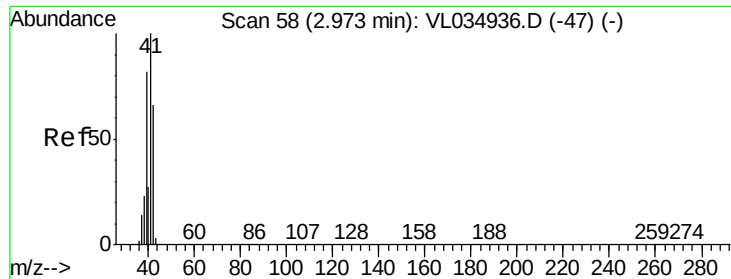
Tgt Ion: 85 Resp: 1356517

Ion Ratio Lower Upper

85 100

135 62.7 50.9 76.3





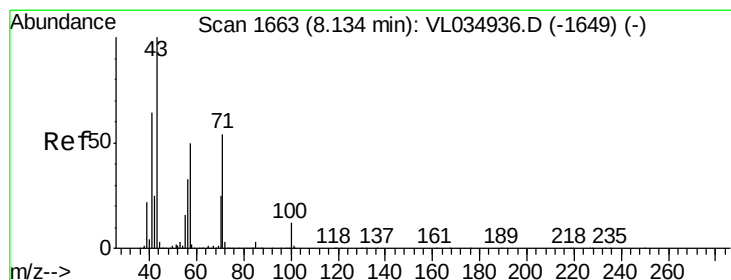
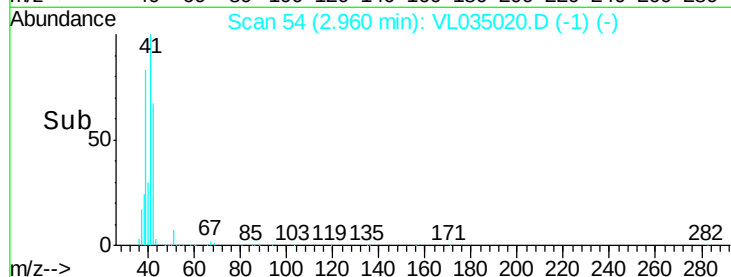
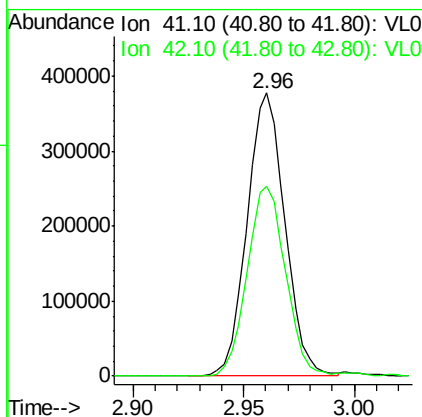
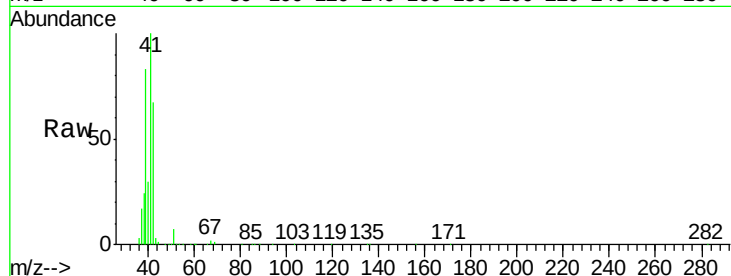
#9
 Propene
 Concen: 8.861 ppbv
 RT: 2.96 min Scan# 54
 Delta R.T. -0.01 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
42	69.0	54.5	81.7

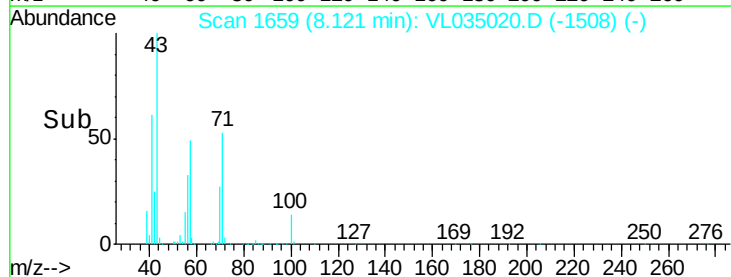
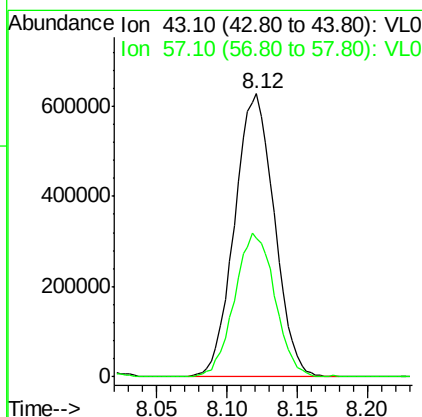
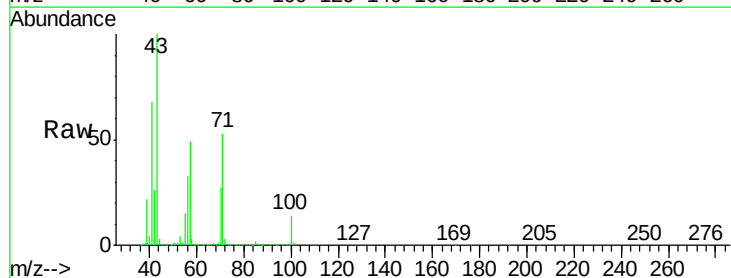
Manual Integrations
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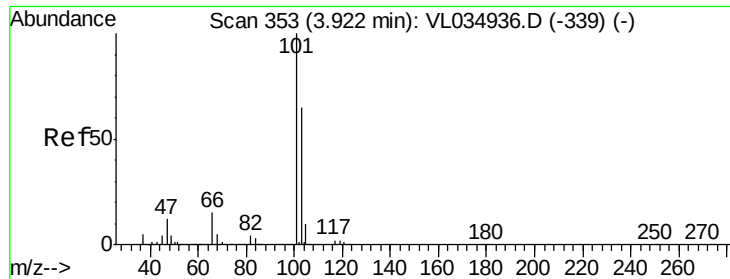
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#10
 Heptane
 Concen: 9.717 ppbv
 RT: 8.12 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion	Ratio	Lower	Upper
43	100		
57	51.9	41.1	61.7





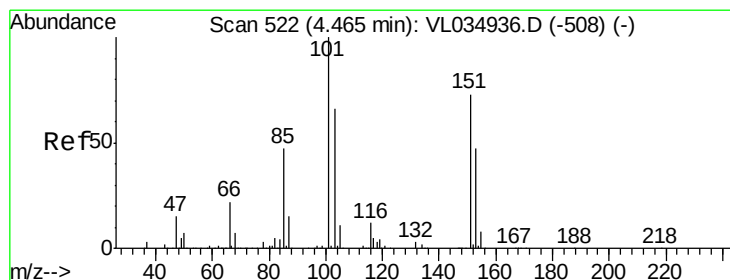
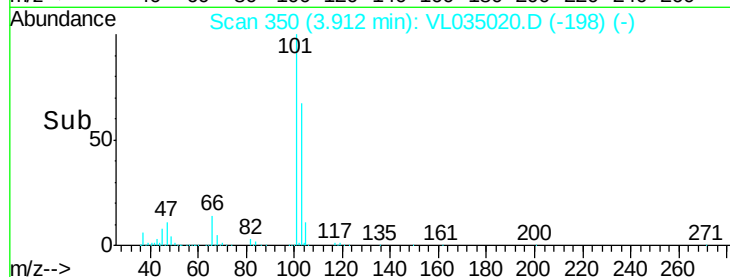
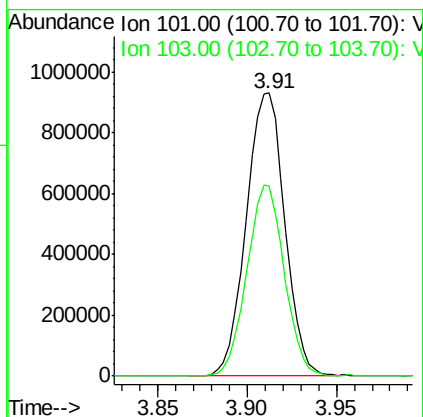
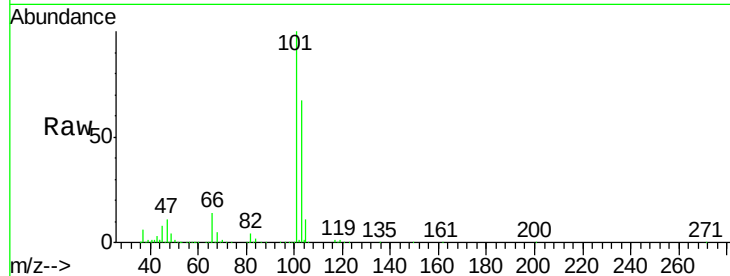
#11
 Trichlorofluoromethane
 Concen: 9.377 ppbv
 RT: 3.91 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Instrument :
 MSVOA_L
 ClientSampled :
 VL0514ABS01

Tot Ion:101 Resp: 1404956
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.9 77.9

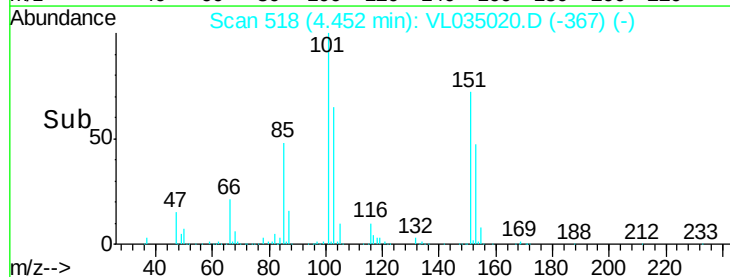
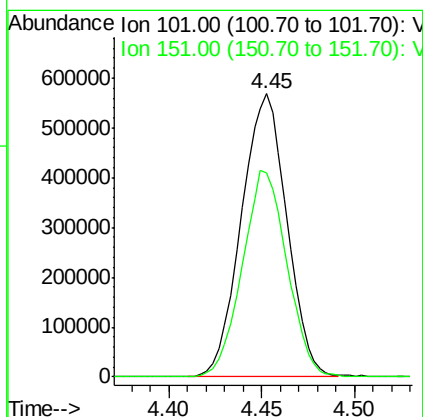
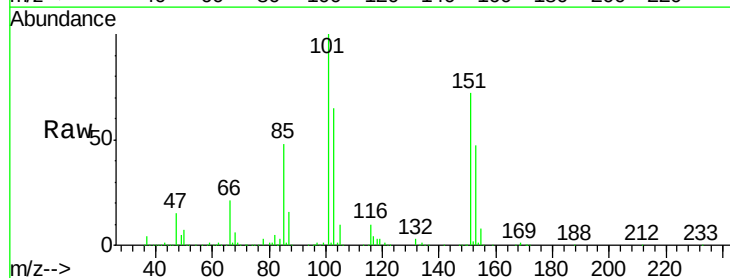
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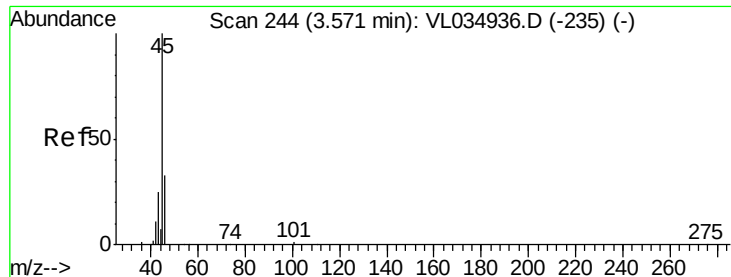
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.041 ppbv
 RT: 4.45 min Scan# 518
 Delta R.T. -0.01 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion:101 Resp: 964486
 Ion Ratio Lower Upper
 101 100
 151 71.8 57.6 86.4





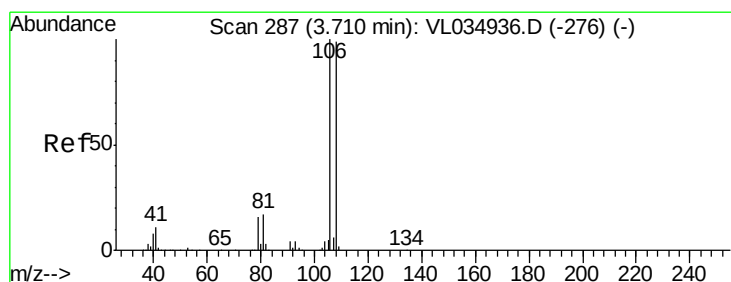
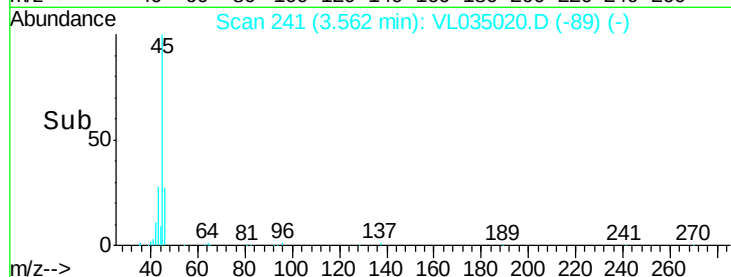
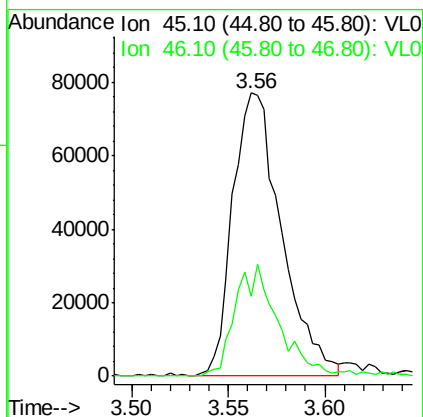
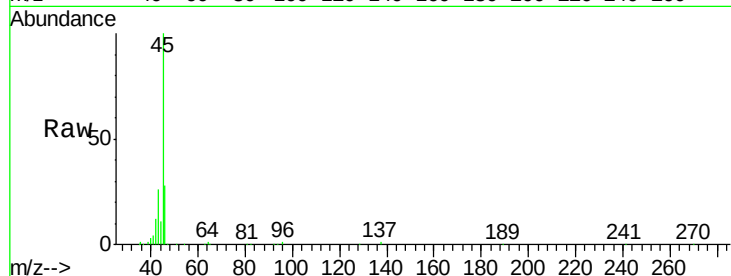
#13
Ethanol
Concen: 8.076 ppbv
RT: 3.56 min Scan# 241
Delta R.T. -0.01 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion	45	Resp	135162
Ion Ratio	100	Lower	Upper
46	35.6	14.3	57.3

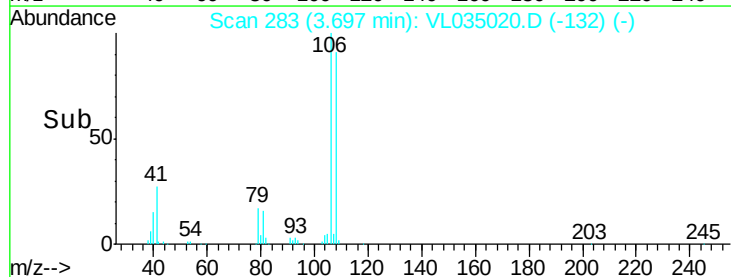
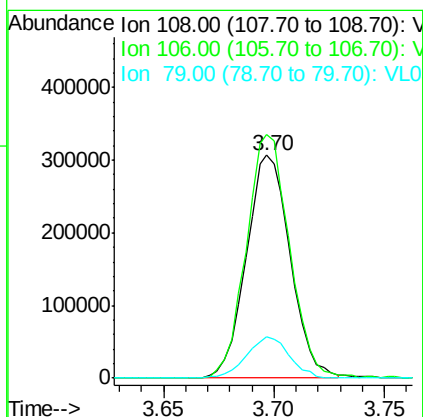
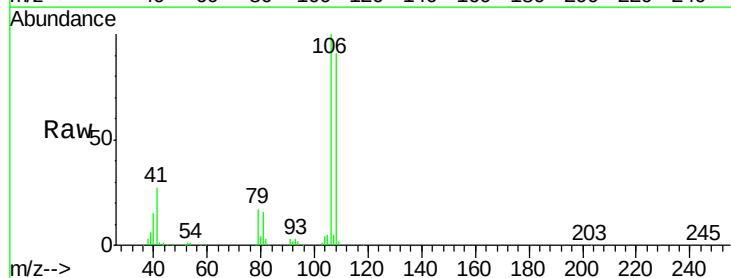
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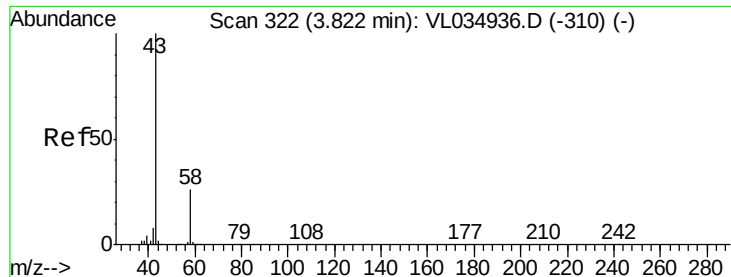
MMDadoda
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#14
Bromoethene
Concen: 9.627 ppbv
RT: 3.70 min Scan# 283
Delta R.T. -0.01 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion	108	Resp	424424
Ion Ratio	100	Lower	Upper
106	108.8	84.9	127.3
79	18.6	14.1	21.1





#15

Acetone

Concen: 8.230 ppbv

RT: 3.81 min Scan# 318

Delta R.T. -0.01 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Tot Ion: 43 Resp: 1113982

Ion Ratio Lower Upper

43 100

58 25.8 21.7 32.5

Instrument :

MSVOA_L

ClientSampleId :

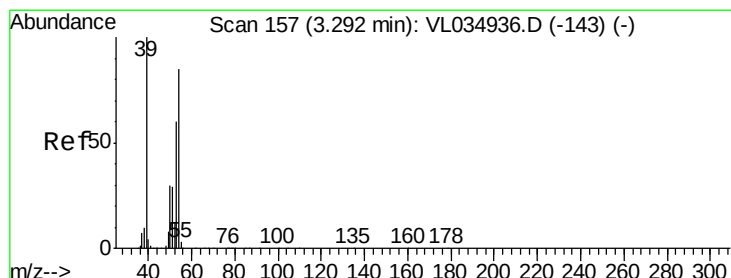
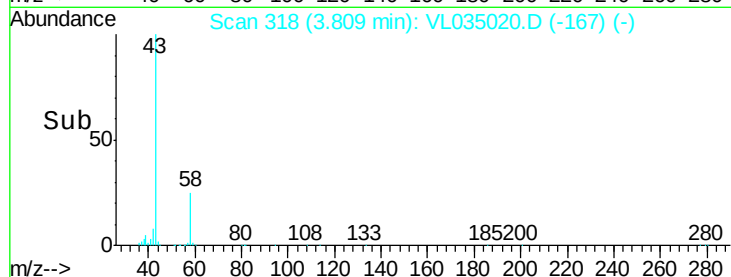
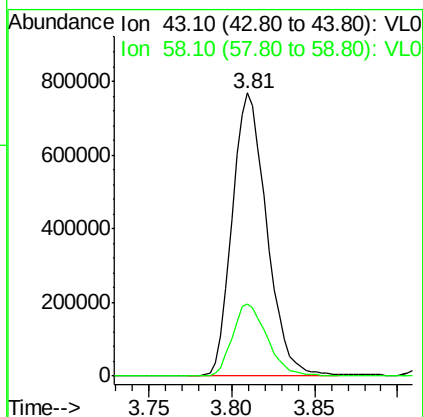
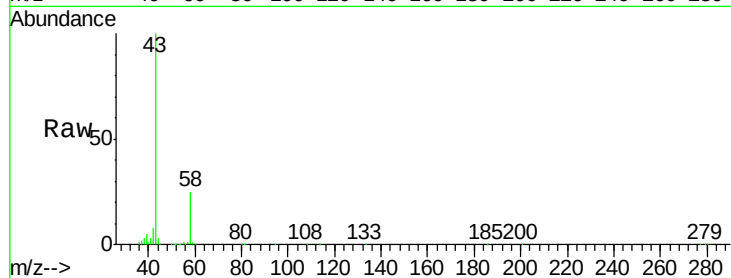
VL0514ABS01

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#16

1,3-Butadiene

Concen: 9.345 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.01 min

Lab File: VL035020.D

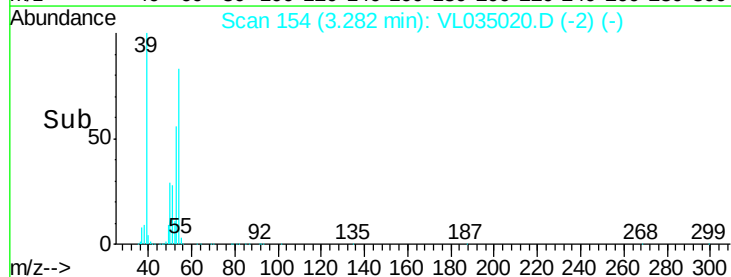
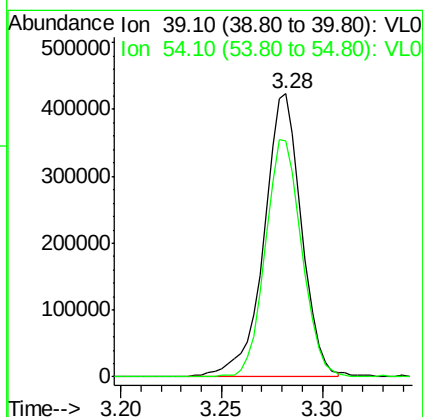
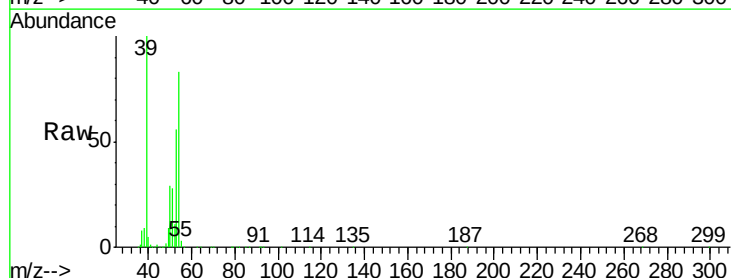
Acq: 14 May 2020 14:32

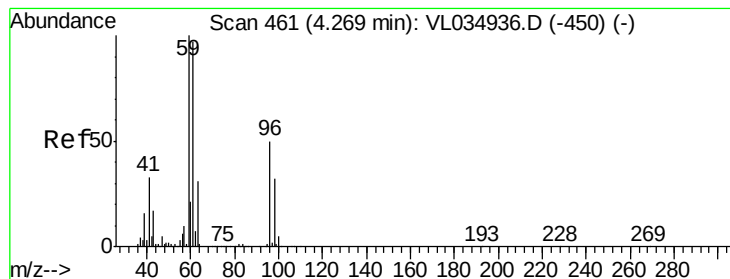
Tgt Ion: 39 Resp: 544288

Ion Ratio Lower Upper

39 100

54 82.4 66.6 100.0





#17

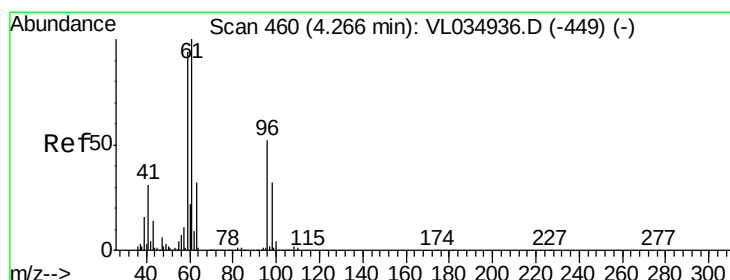
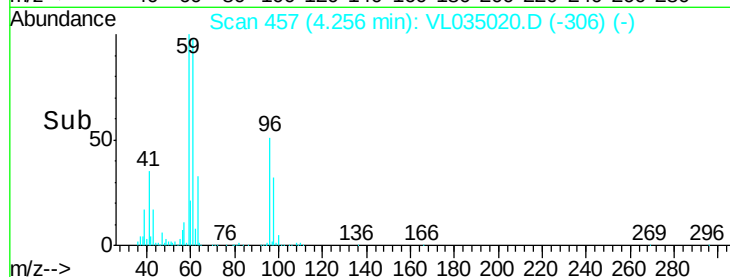
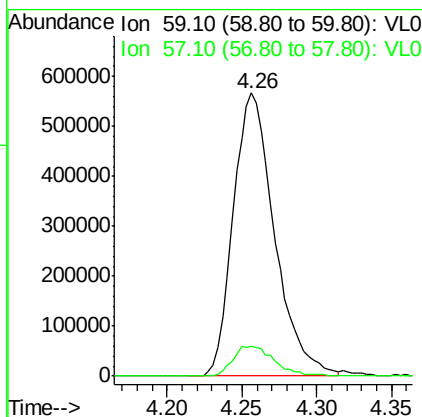
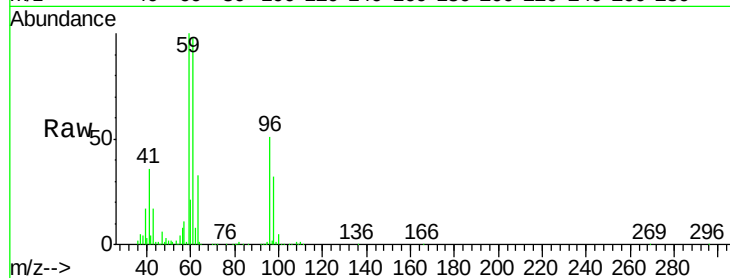
tert-Butyl alcohol
Concen: 9.032 ppbv
RT: 4.26 min Scan# 457
Delta R.T. -0.01 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion: 59 Resp: 1087668
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1

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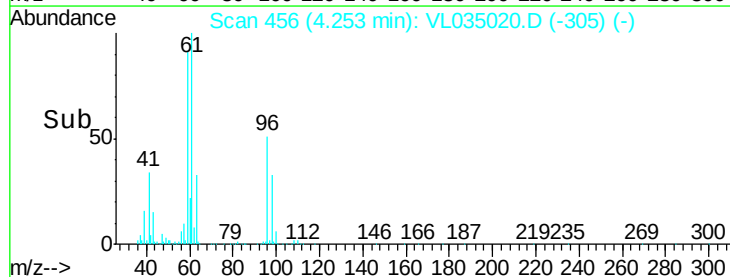
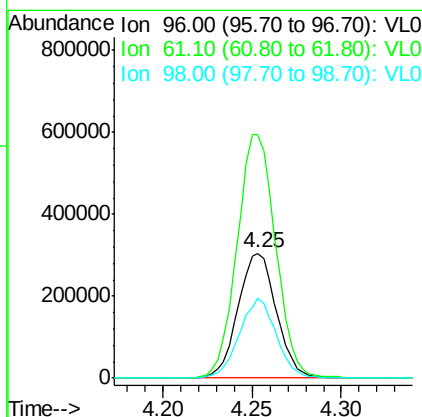
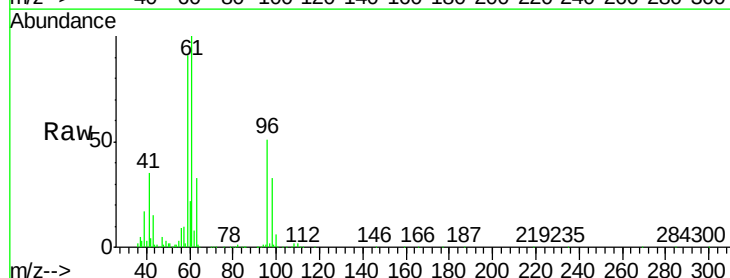
MMDadoda
5/18/2020 1:34:41 PM

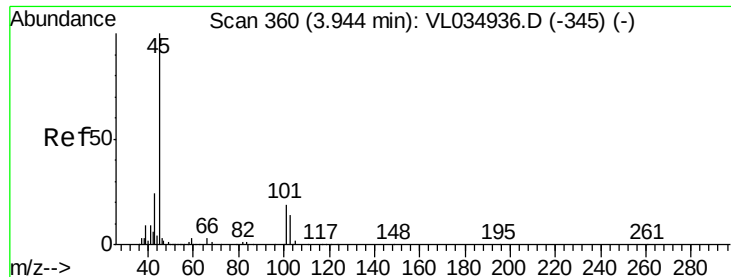


#18

1,1-Dichloroethene
Concen: 9.887 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.01 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion: 96 Resp: 457588
Ion Ratio Lower Upper
96 100
61 194.8 152.4 228.6
98 63.9 48.8 73.2





#19

Isopropyl Alcohol

Concen: 8.898 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.02 min

Lab File: VL035020.D

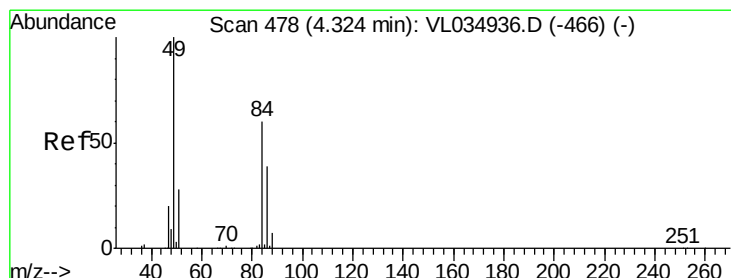
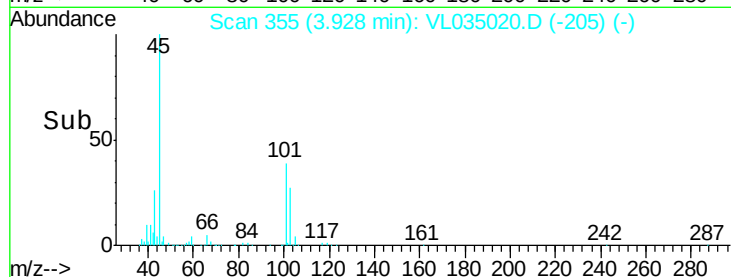
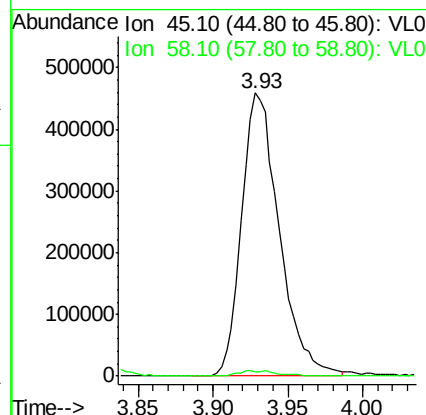
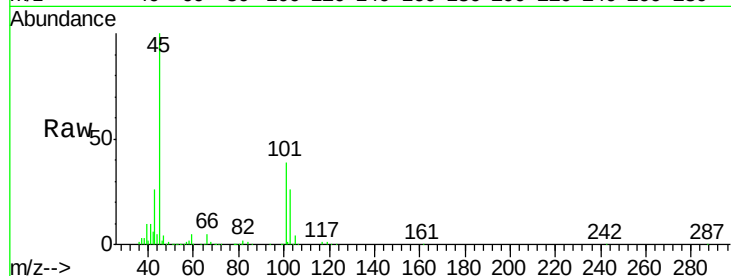
Acq: 14 May 2020 14:32

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.3	1.7	2.5

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

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#20

Methylene Chloride

Concen: 8.963 ppbv

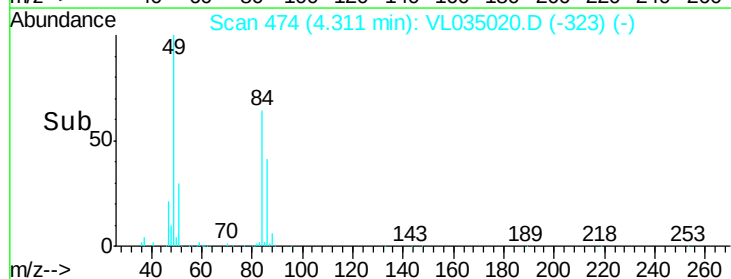
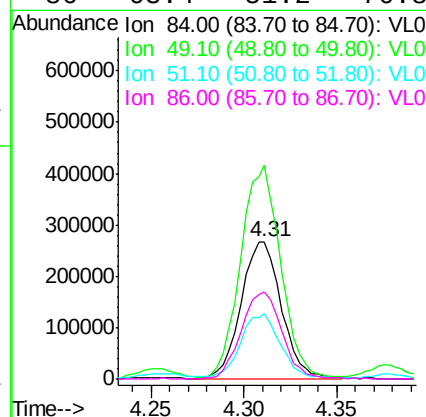
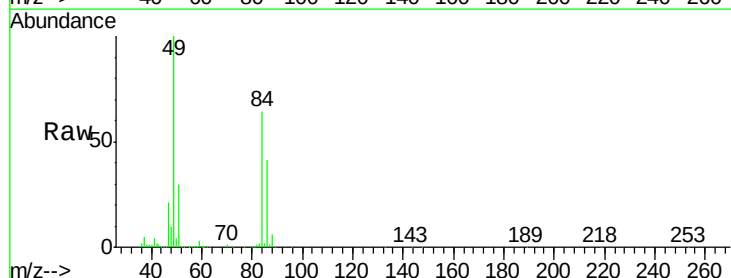
RT: 4.31 min Scan# 474

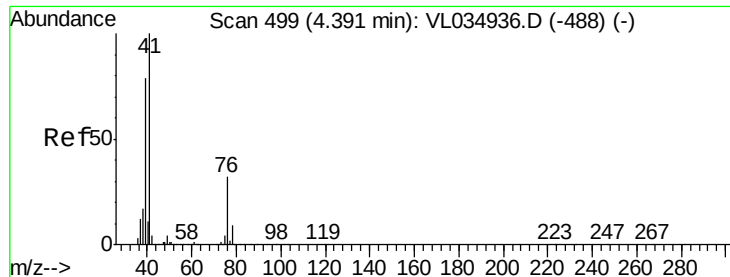
Delta R.T. -0.01 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.8	132.5	198.7
51	46.6	38.4	57.6
86	63.4	51.2	76.8





#21

Allvl Chloride

Concen: 10.084 ppbv

RT: 4.38 min Scan# 495

Delta R.T. -0.01 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

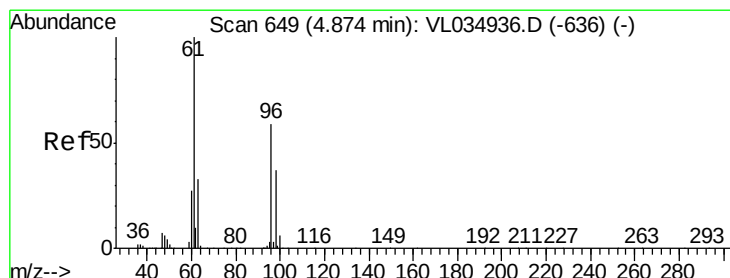
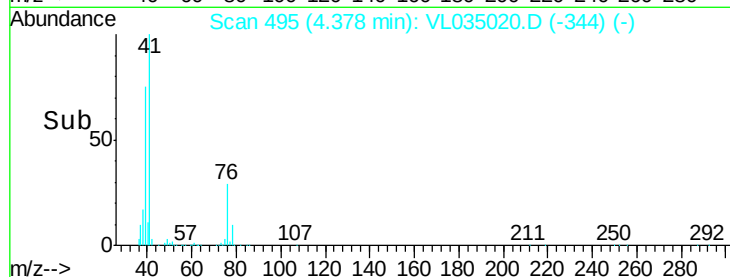
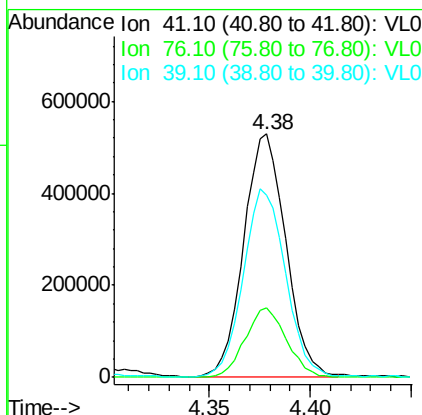
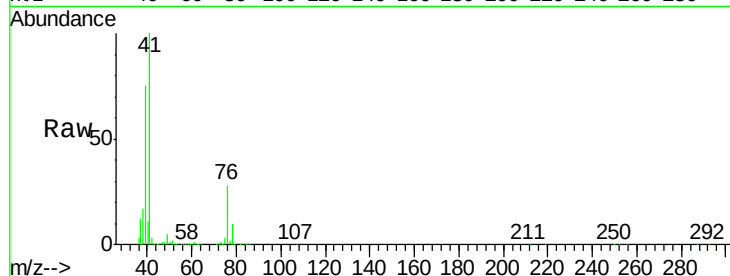
ClientSampleId :

VL0514ABS01

Tot Ion:	41	Resp:	770957
Ion Ratio		Lower	Upper
41	100		
76	28.4	23.6	35.4
39	78.4	61.9	92.9

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#22

trans-1,2-Dichloroethene

Concen: 9.812 ppbv

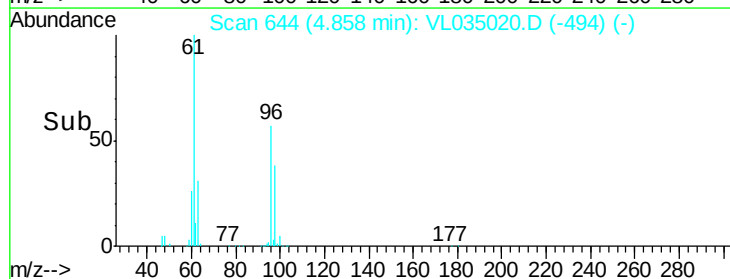
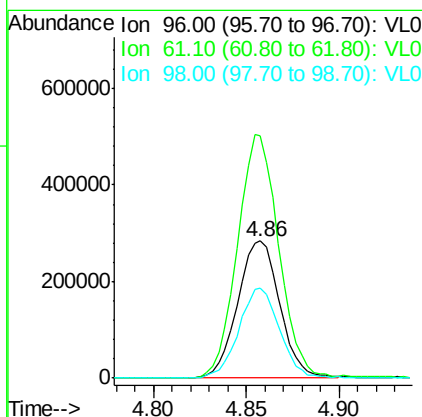
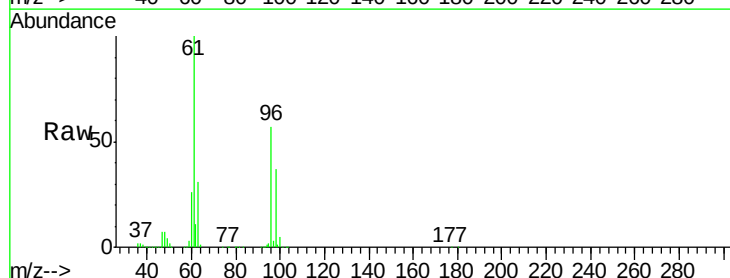
RT: 4.86 min Scan# 644

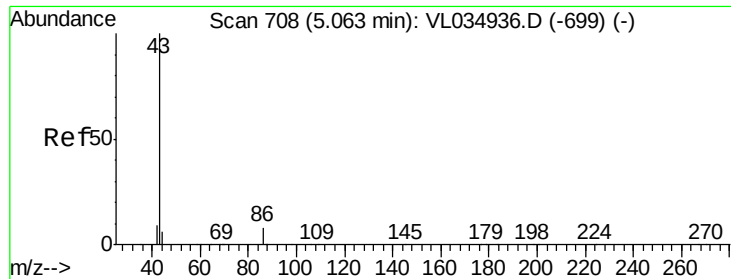
Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Tgt Ion:	96	Resp:	449846
Ion Ratio		Lower	Upper
96	100		
61	176.8	135.3	202.9
98	65.9	50.4	75.6





#23

Vinyl Acetate

Concen: 9.727 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 43 Resp: 1669419

Ion Ratio Lower Upper

43 100

86 7.9 5.5 8.3

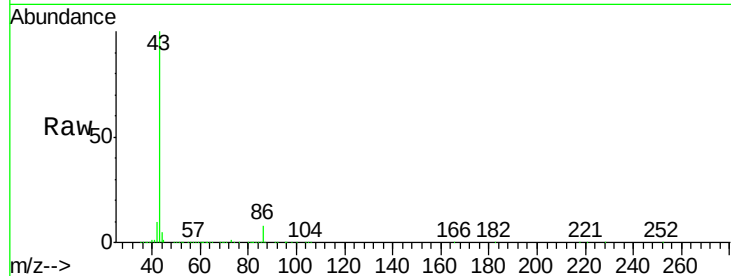
42 10.1 8.0 12.0

44 4.7 4.5 6.7

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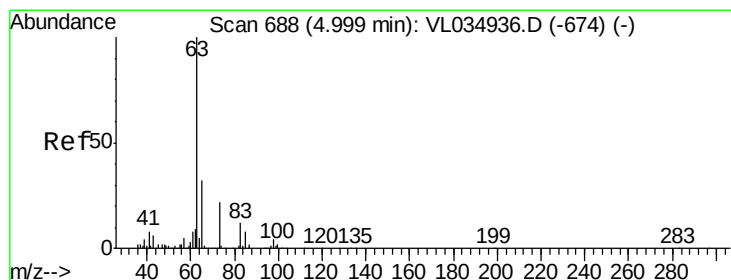
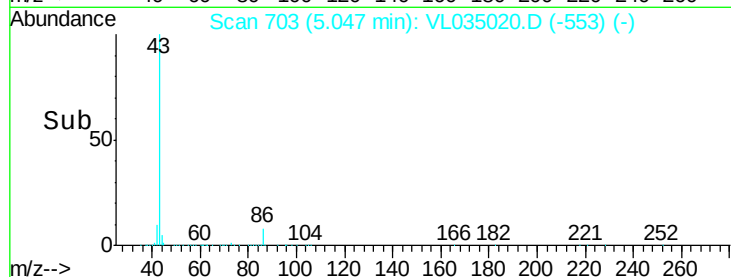
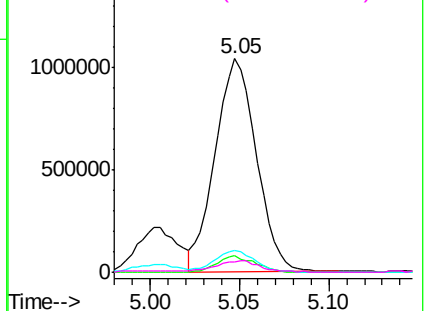


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.176 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

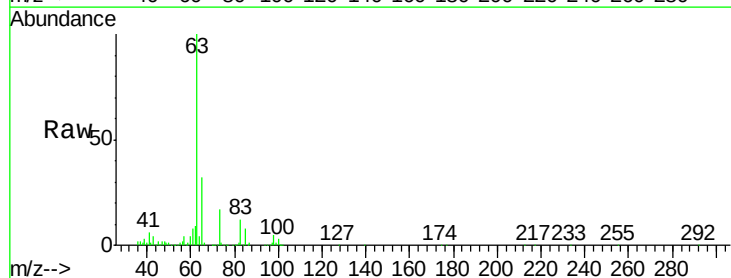
Tgt Ion: 63 Resp: 1213020

Ion Ratio Lower Upper

63 100

98 4.6 2.0 6.0

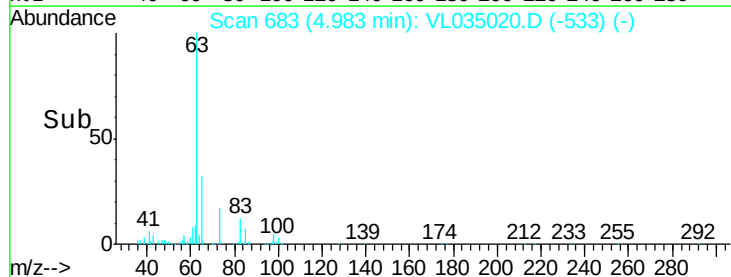
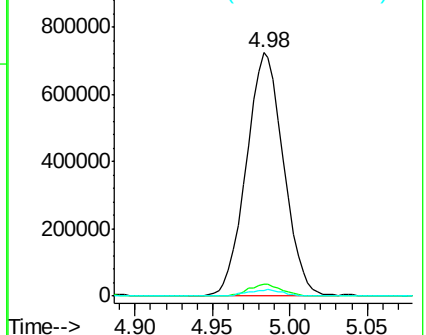
100 2.5 1.1 3.5

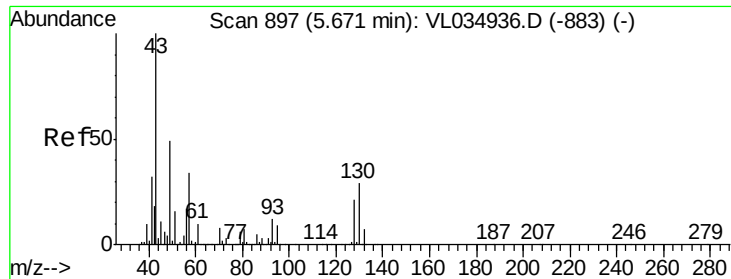


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





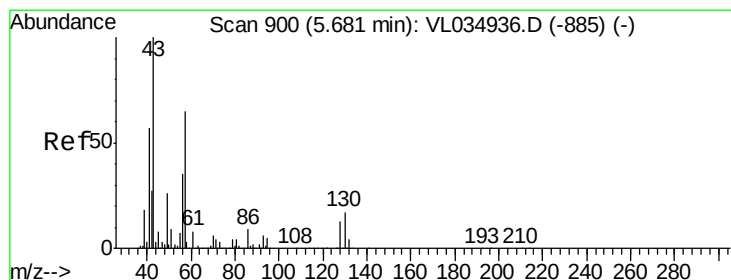
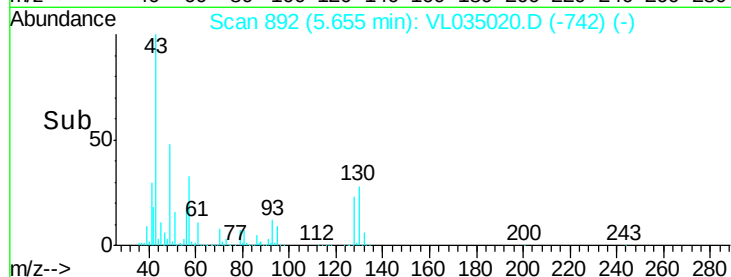
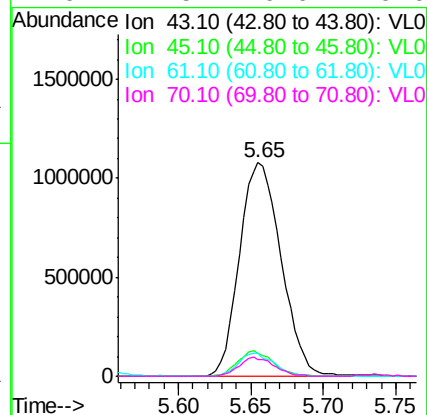
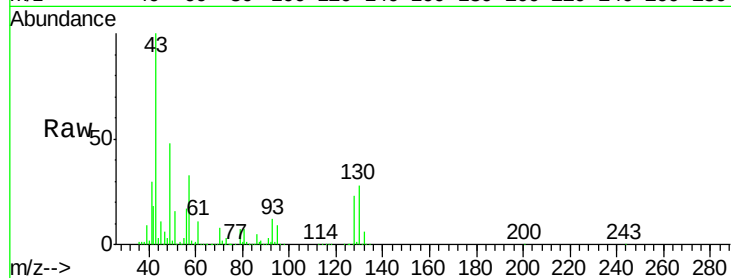
#25
Ethyl Acetate
Concen: 9.432 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.3	8.1	12.1	
61	9.3	7.8	11.8	
70	7.5	6.0	9.0	

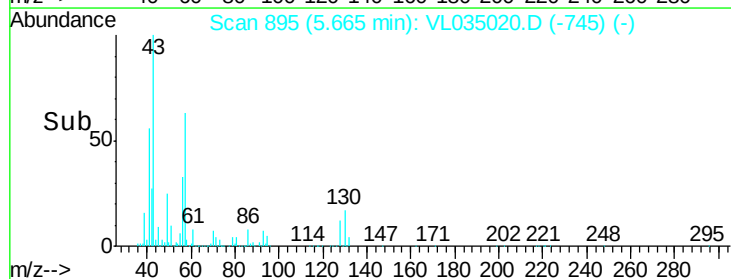
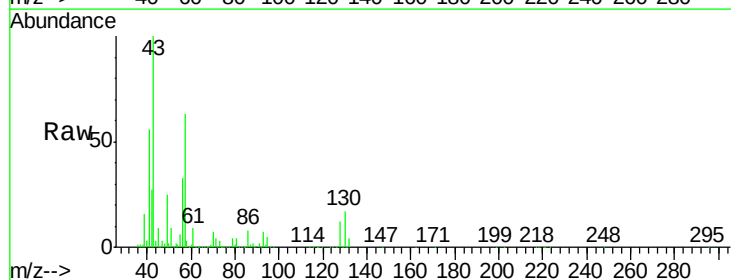
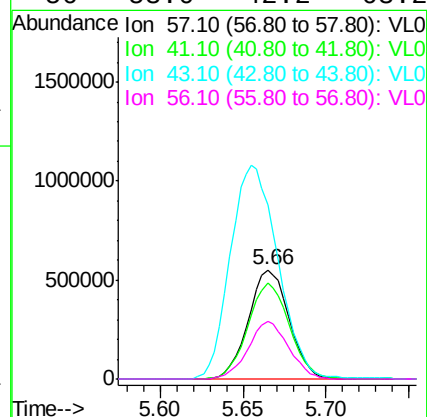
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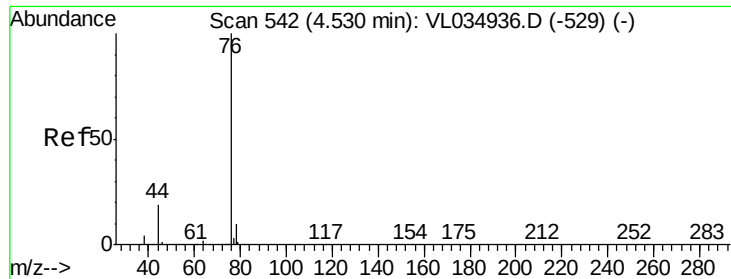
MMDadoda
5/18/2020 1:34:41 PM



#26
Hexane
Concen: 9.508 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	91.2	72.7	109.1	
43	230.2	182.1	273.1	
56	53.0	42.2	63.2	





#27

Carbon Disulfide

Concen: 9.883 ppbv

RT: 4.52 min Scan# 538

Delta R.T. -0.01 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

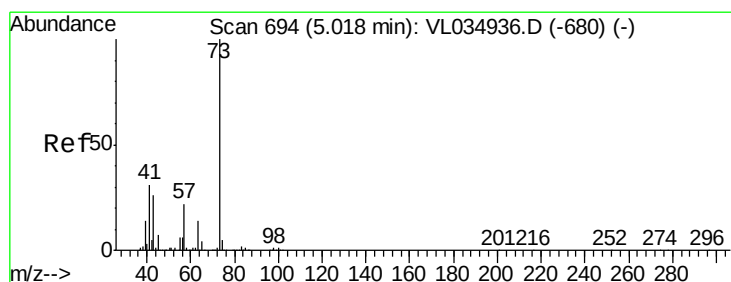
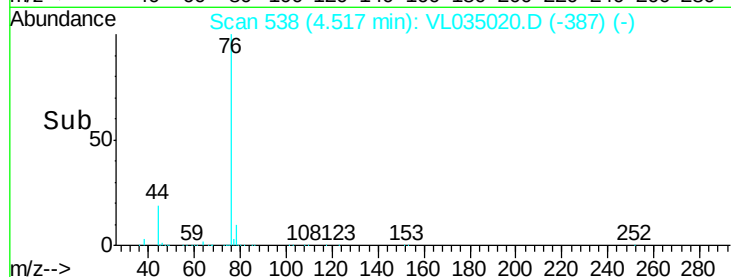
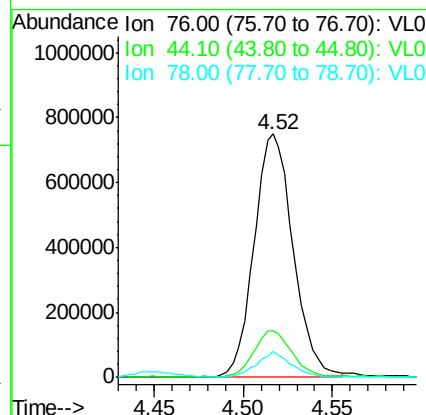
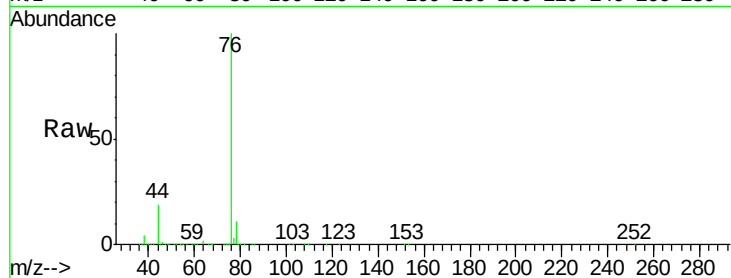
ClientSampleId :

VL0514ABS01

Tot Ion:	76	Resp:	1148165
Ion	Ratio	Lower	Upper
76	100		
44	18.9	15.2	22.8
78	9.3	7.7	11.5

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#28

Methyl tert-Butyl Ether

Concen: 9.341 ppbv

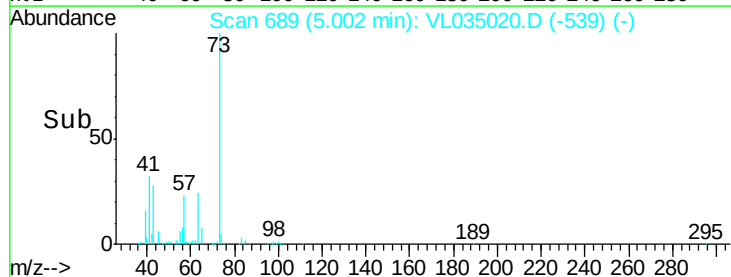
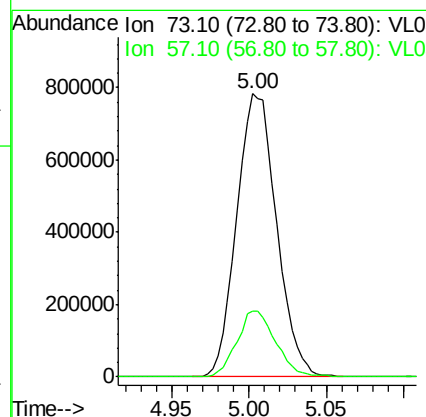
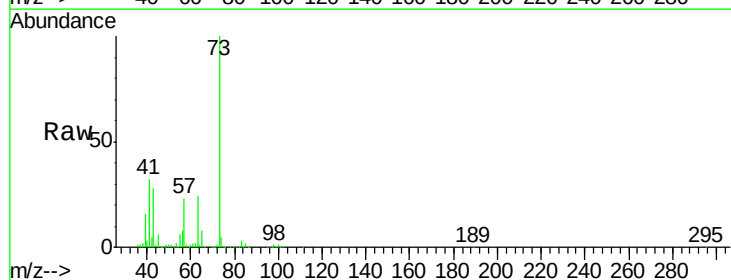
RT: 5.00 min Scan# 689

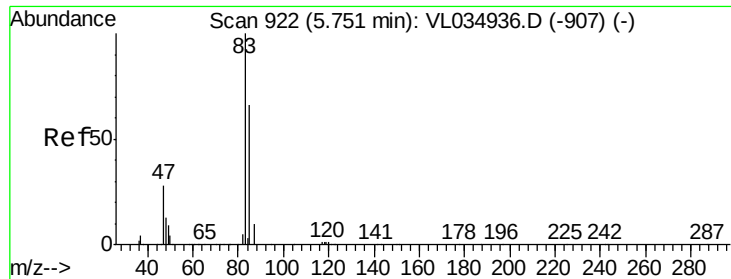
Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Tgt Ion:	73	Resp:	1402162
Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.3	27.5





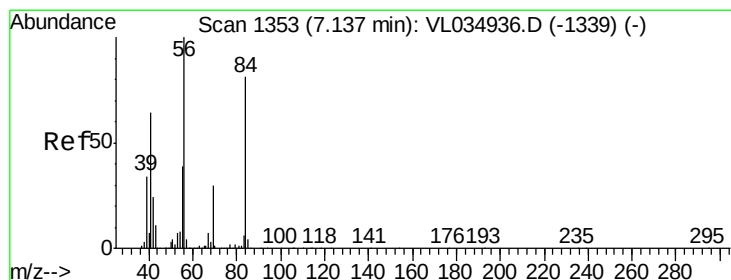
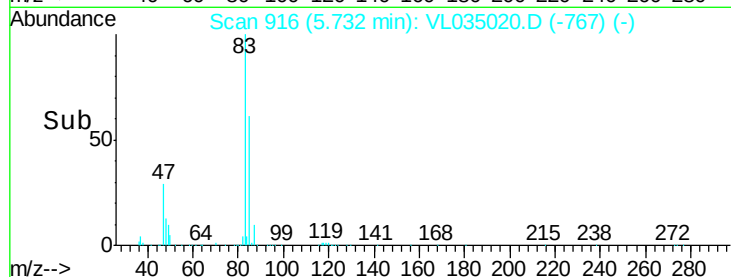
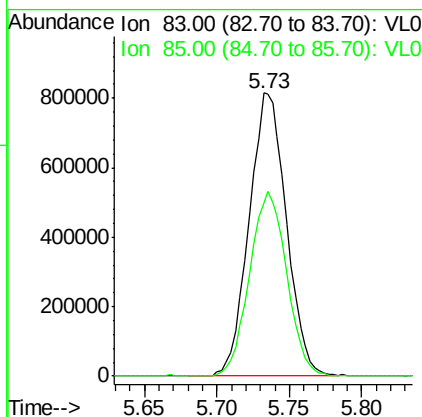
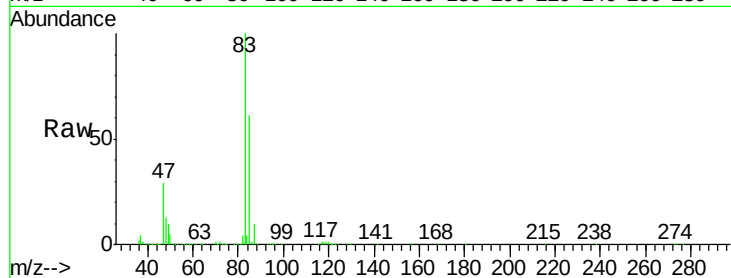
#29
Chloroform
Concen: 9.057 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion: 83 Resp: 1460665
Ion Ratio Lower Upper
83 100
85 61.0 53.0 79.6

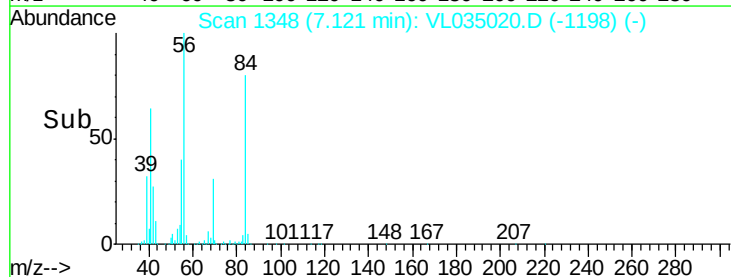
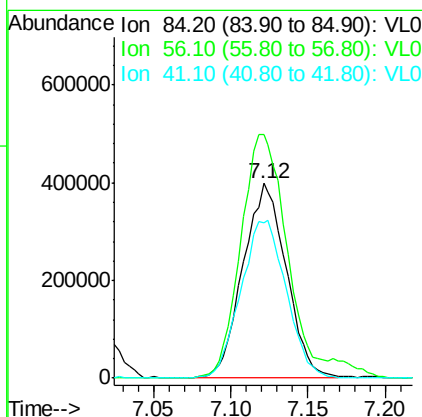
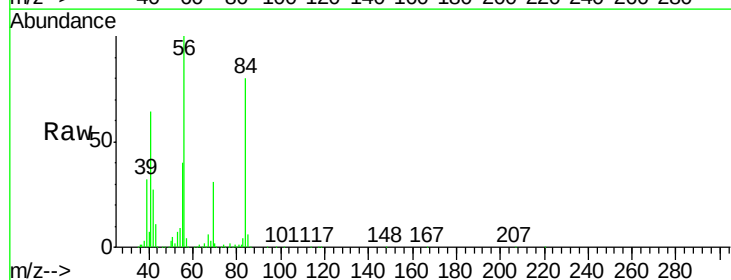
Manual Integrations
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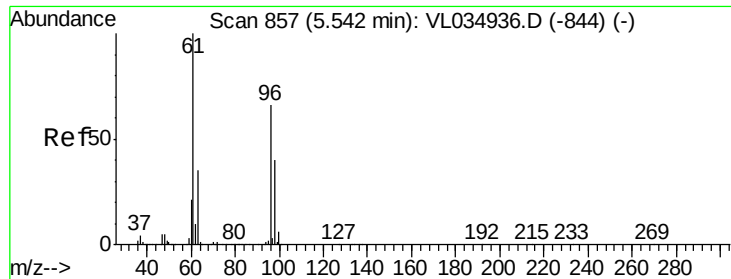
MMDadoda
5/18/2020 1:34:41 PM



#30
Cyclohexane
Concen: 10.200 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion: 84 Resp: 775787
Ion Ratio Lower Upper
84 100
56 138.4 111.4 167.2
41 85.1 66.7 100.1





#31

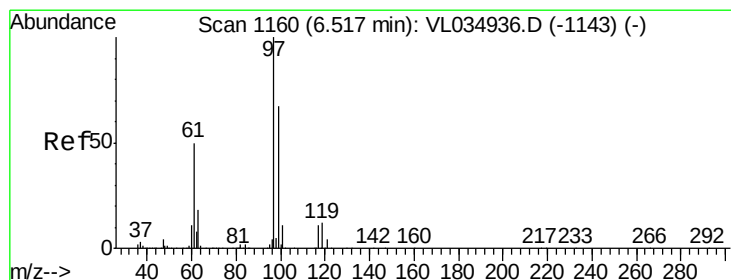
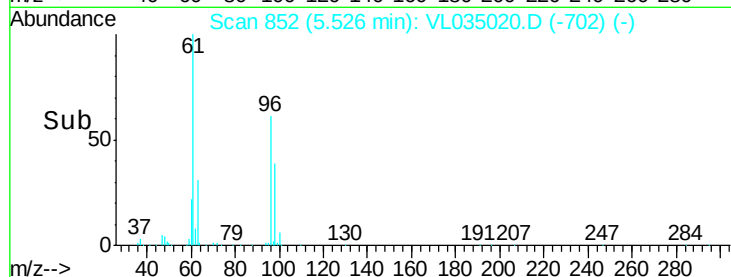
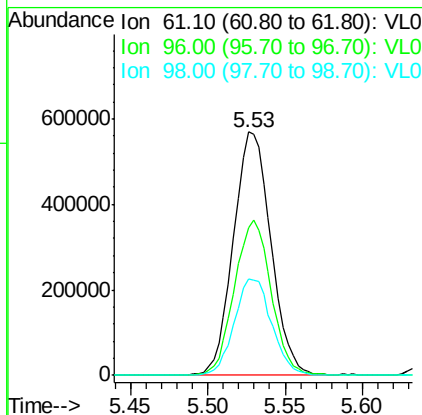
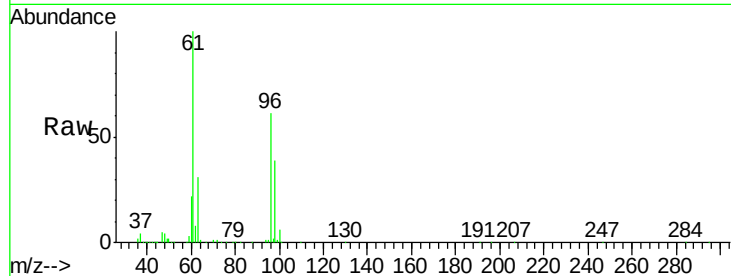
cis-1,2-Dichloroethene
 Concen: 9.994 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	60.9	53.0	79.6
98	39.4	32.2	48.2

Manual Integrations
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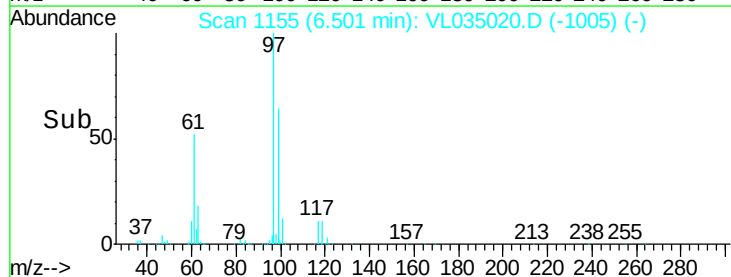
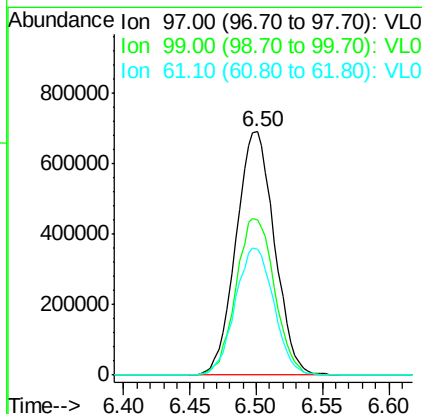
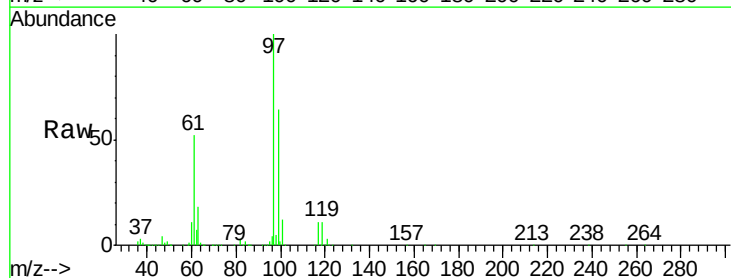
MMDadoda
 5/18/2020 1:34:41 PM

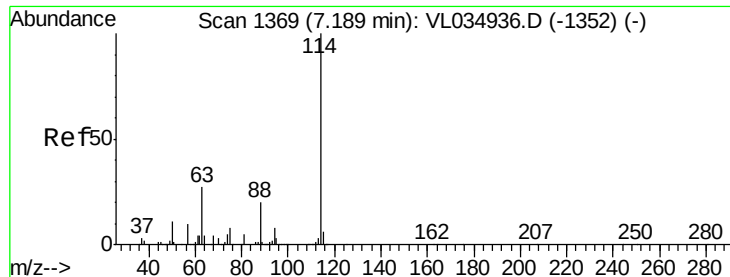


#32

1,1,1-Trichloroethane
 Concen: 9.549 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.1	78.1
61	52.6	41.8	62.8





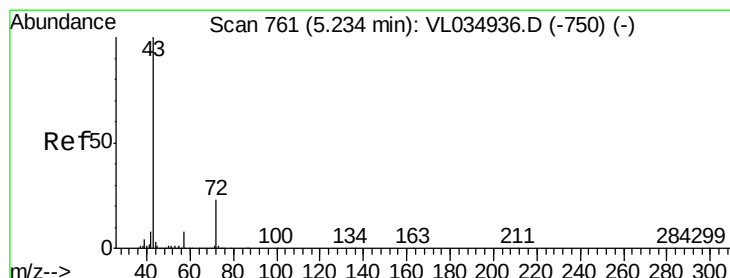
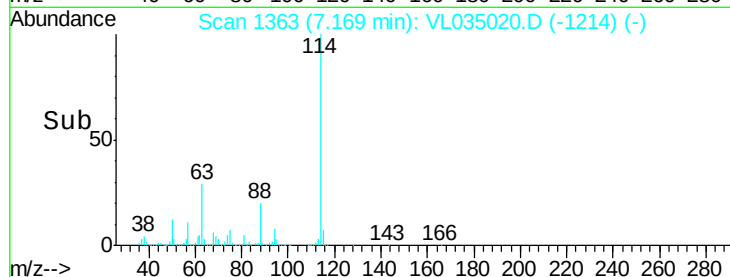
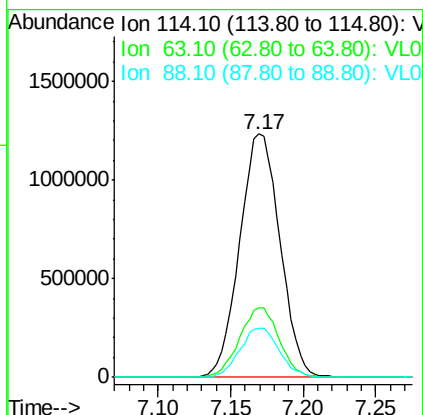
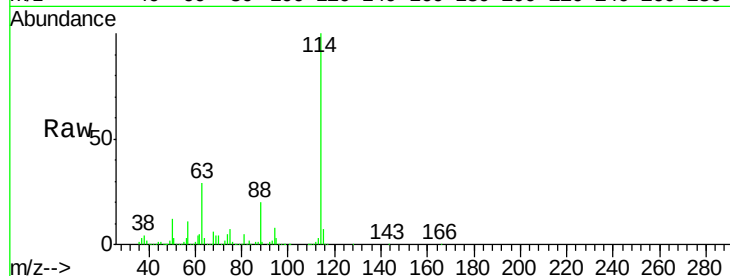
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.5	22.2	33.4
88	19.8	15.5	23.3

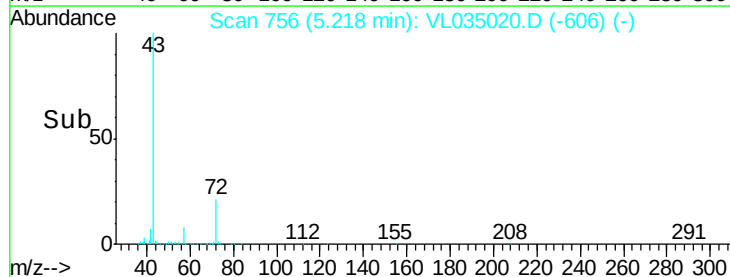
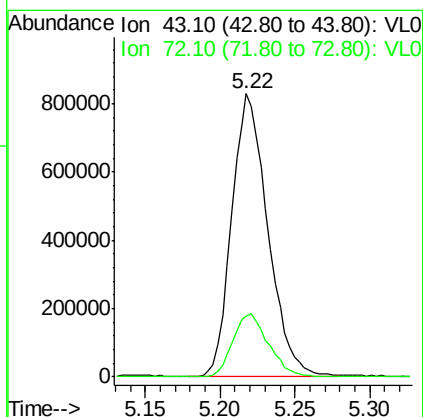
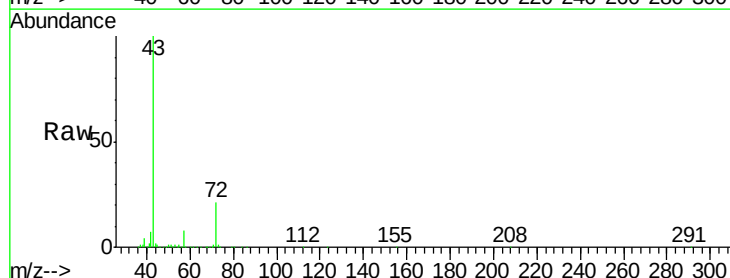
Manual Integrations
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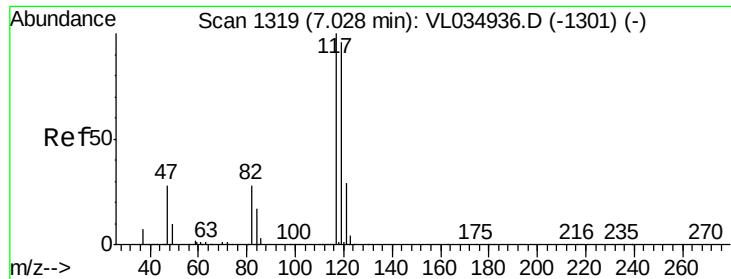
MMDadoda
 5/18/2020 1:34:41 PM



#34
 2-Butanone
 Concen: 9.370 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	18.0	27.0





#35

Carbon Tetrachloride

Concen: 9.429 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

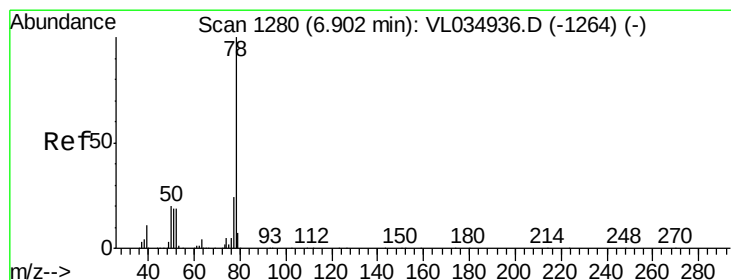
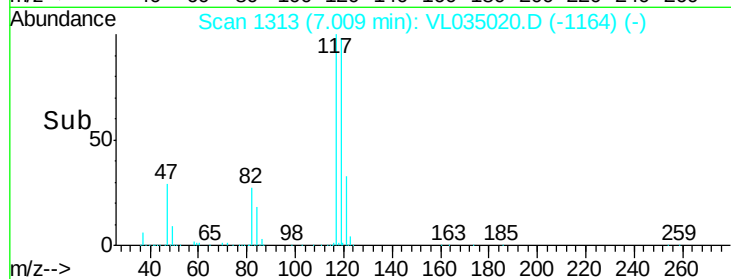
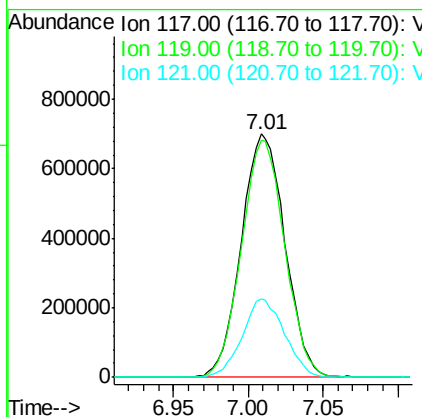
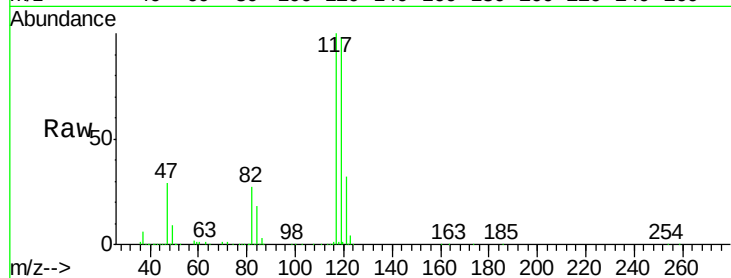
ClientSampleId :

VL0514ABS01

Tot Ion:	117	Resp:	1421211
Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.0	115.6
121	32.5	23.0	34.6

Manual Integrations
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MMDadoda
5/18/2020 1:34:41 PM



#36

Benzene

Concen: 9.473 ppbv

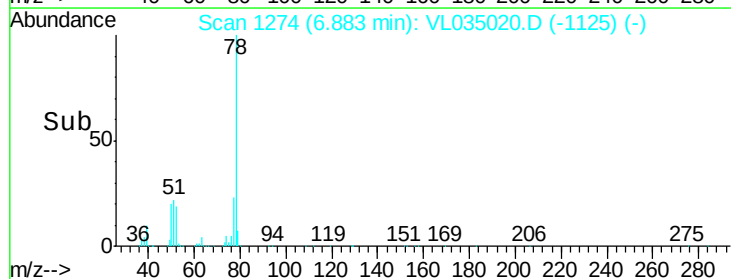
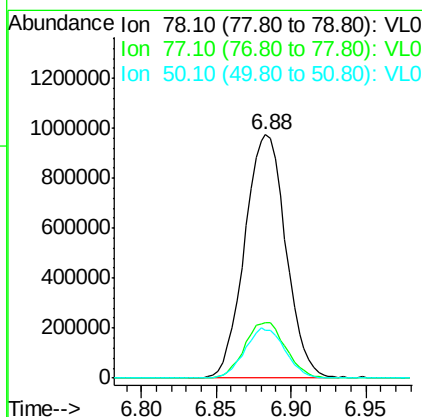
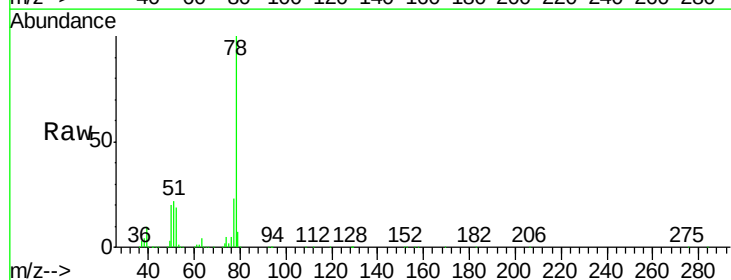
RT: 6.88 min Scan# 1274

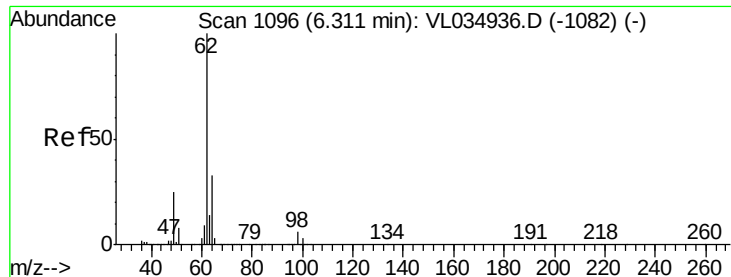
Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Tgt Ion:	78	Resp:	1865209
Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.6
50	19.7	15.8	23.8





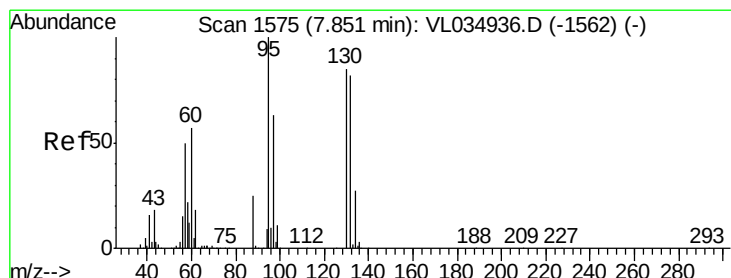
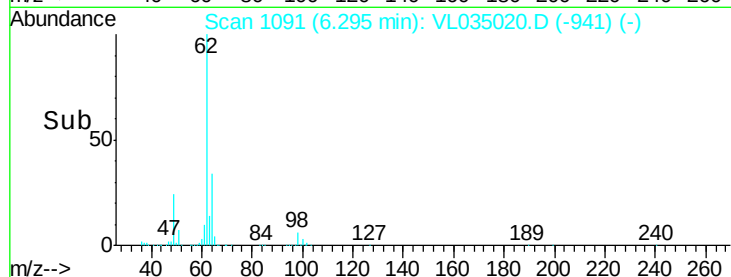
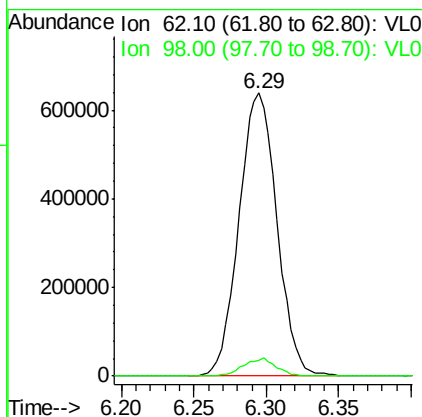
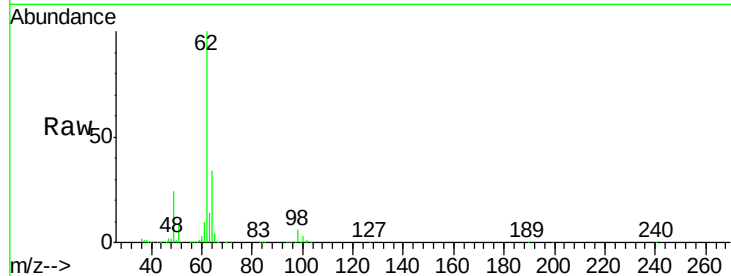
#37
 1,2-Dichloroethane
 Concen: 9.576 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion: 62 Resp: 1163047
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.8 7.2

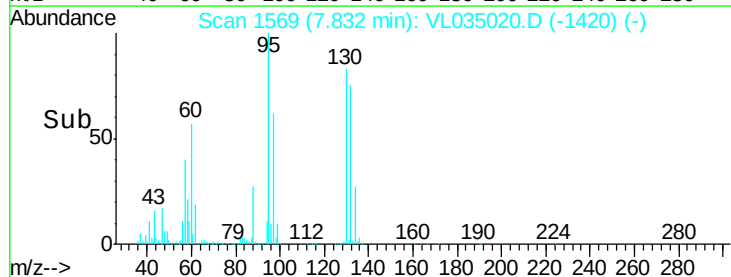
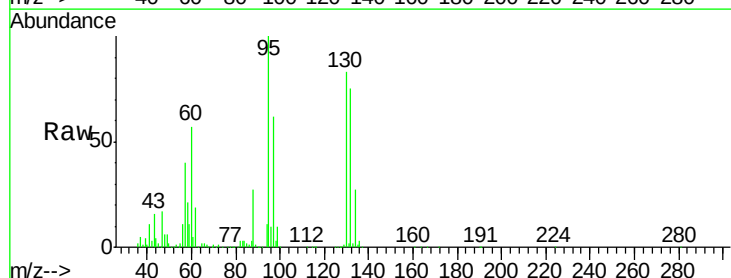
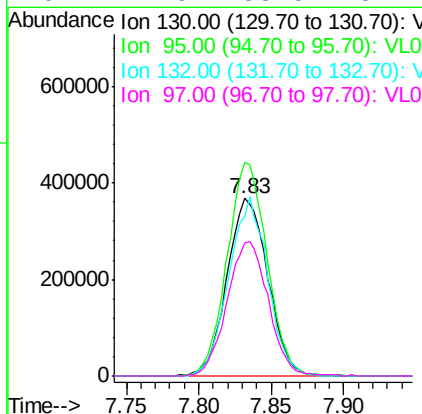
Manual Integrations
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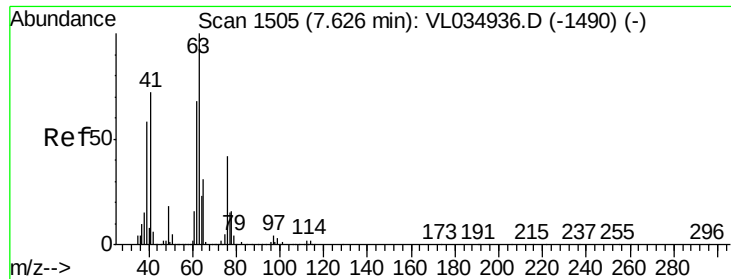
MMDadoda
 5/18/2020 1:34:41 PM



#38
 Trichloroethene
 Concen: 9.364 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion: 130 Resp: 714256
 Ion Ratio Lower Upper
 130 100
 95 120.1 93.4 140.0
 132 90.1 76.4 114.6
 97 74.9 58.5 87.7





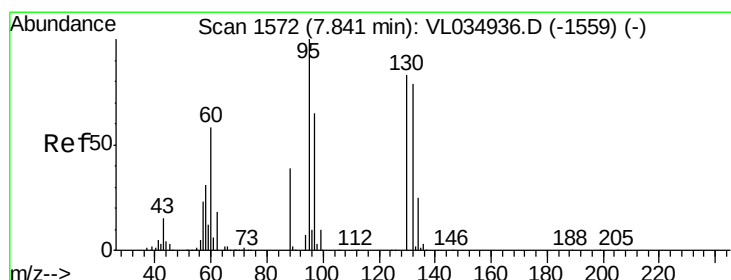
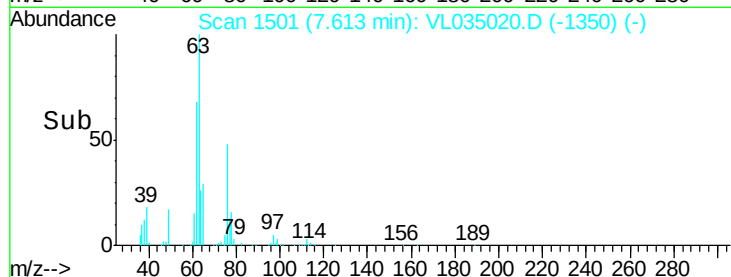
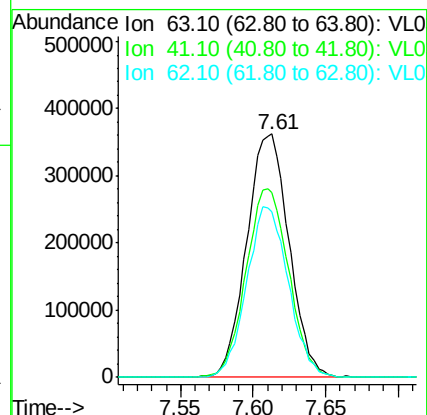
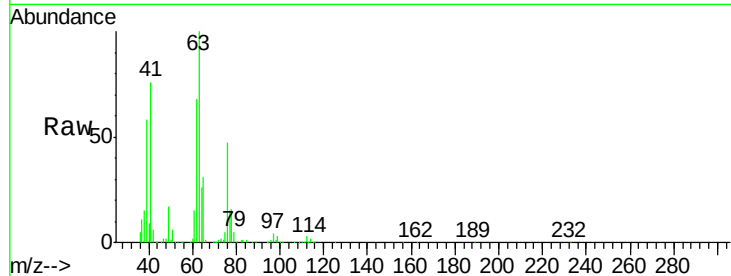
#39
 1,2-Dichloropropane
 Concen: 9.348 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	75.7	57.8	86.8
62	67.6	54.2	81.2

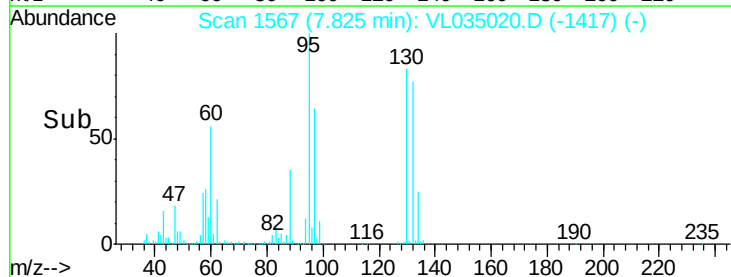
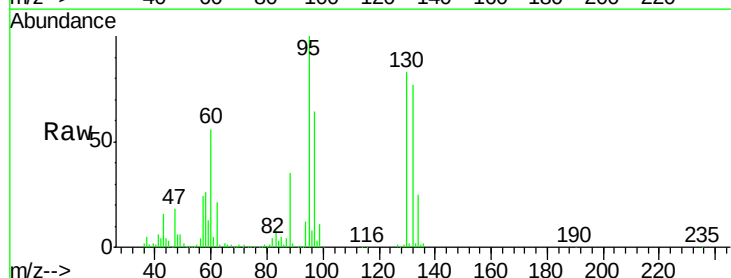
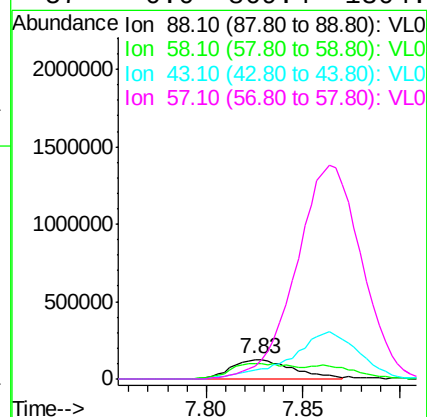
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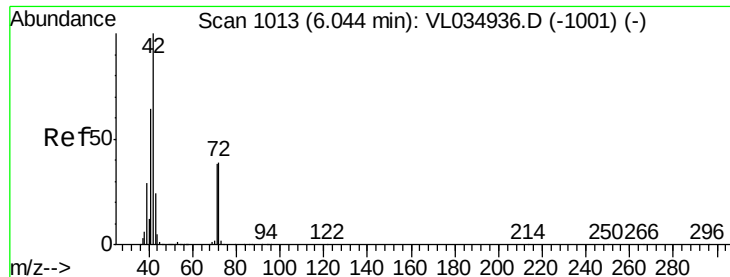
MMDadoda
 5/18/2020 1:34:41 PM



#40
 1,4-Dioxane
 Concen: 8.676 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion	Ratio	Lower	Upper
88	100		
58	137.8	105.1	157.7
43	0.0	202.6	303.8#
57	0.0	869.4	1304.0#





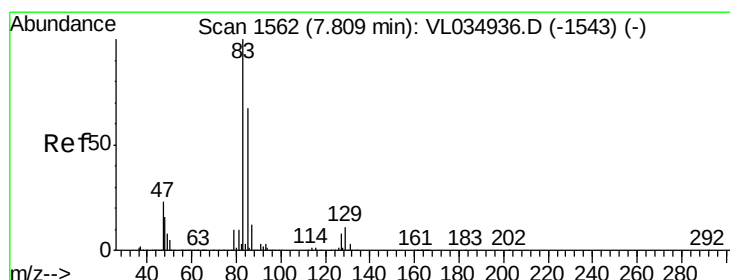
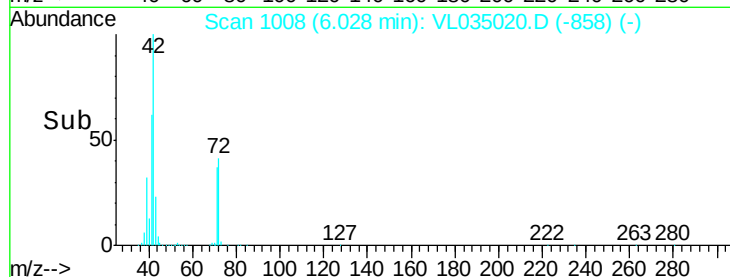
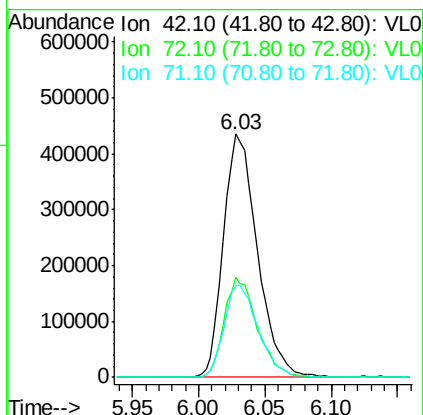
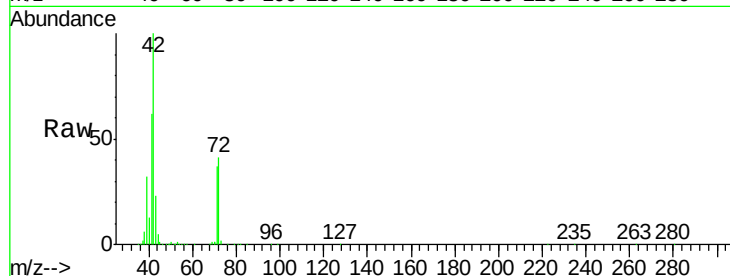
#41
Tetrahydrofuran
Concen: 9.940 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.4	47.0
71	38.3	29.8	44.8

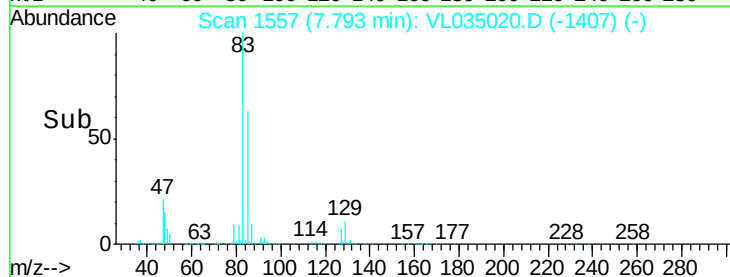
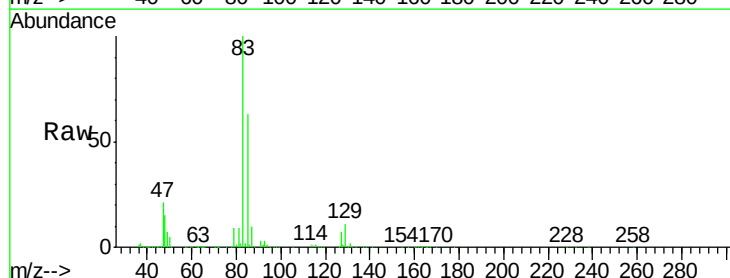
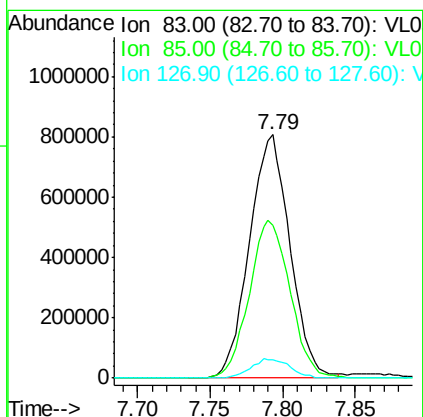
Manual Integrations
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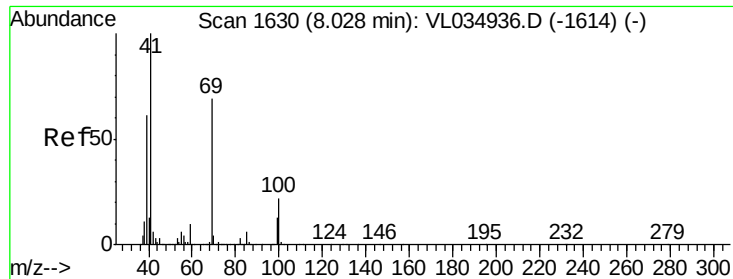
MMDadoda
5/18/2020 1:34:41 PM



#42
Bromodichloromethane
Concen: 9.582 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	53.4	80.0
127	7.3	6.1	9.1





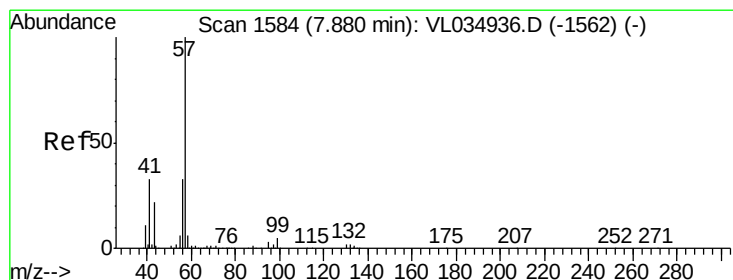
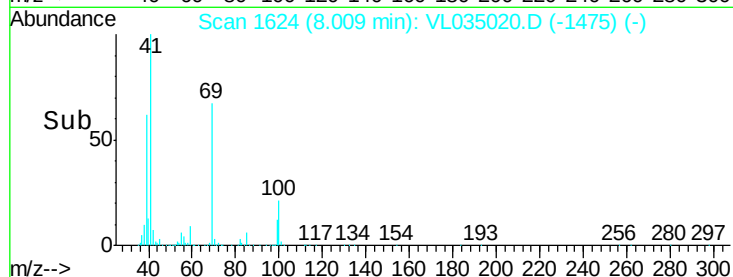
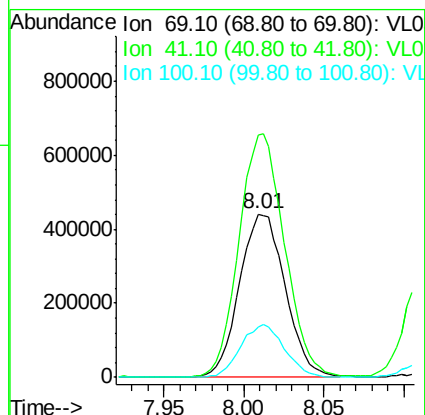
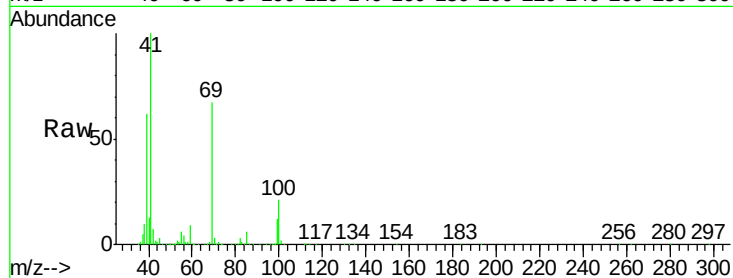
#43
Methyl Methacrylate
Concen: 10.335 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	149.2	119.8	179.6	
100	31.4	25.0	37.6	

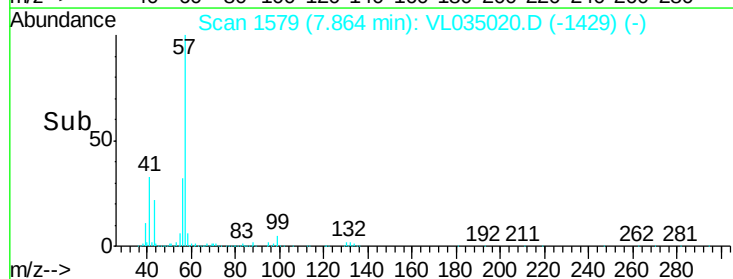
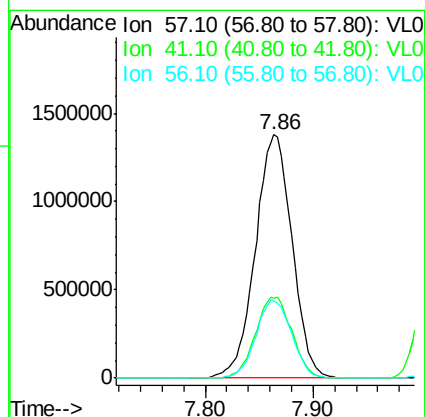
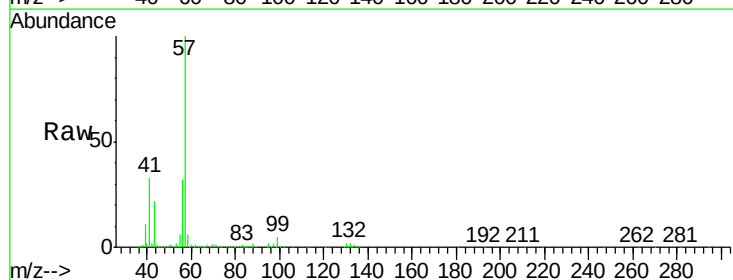
Manual Integrations
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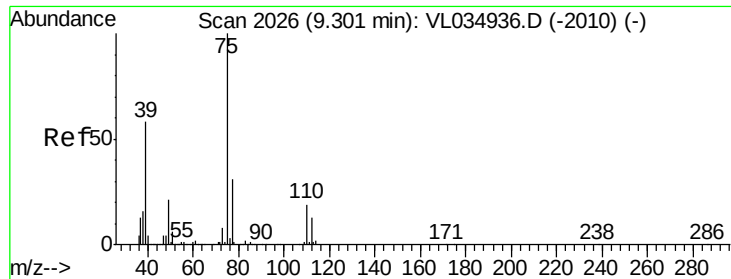
MMDadoda
5/18/2020 1:34:41 PM



#44
2,2,4-Trimethylpentane
Concen: 9.300 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.2	26.4	39.6	
56	31.3	25.5	38.3	





#45

t-1,3-Dichloropropene

Concen: 11.416 ppbv

RT: 9.28 min Scan# 2021

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 75 Resp: 957842

Ion Ratio Lower Upper

75 100

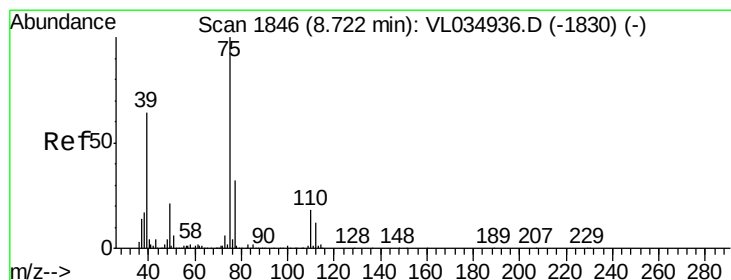
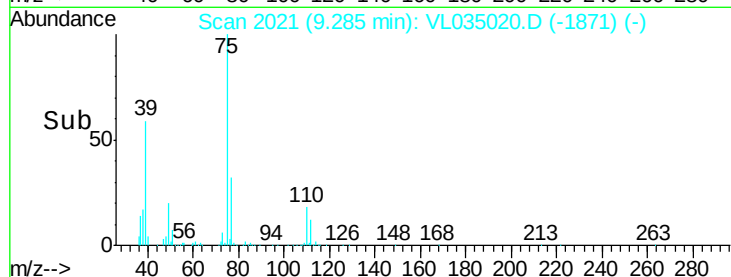
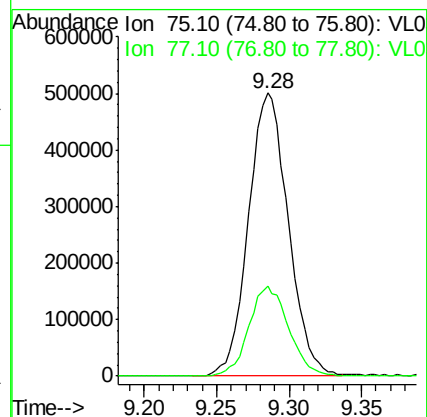
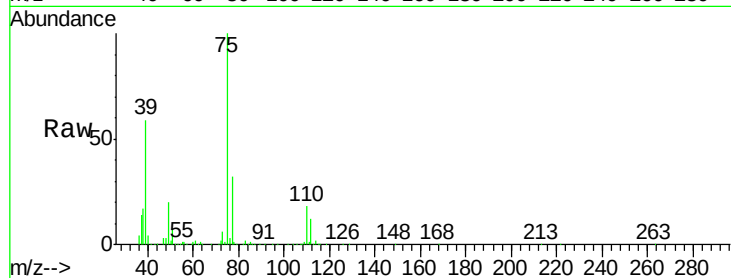
77 32.0 24.9 37.3

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#46

cis-1,3-Dichloropropene

Concen: 10.939 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

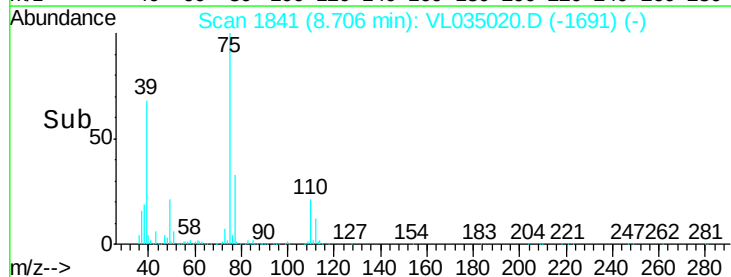
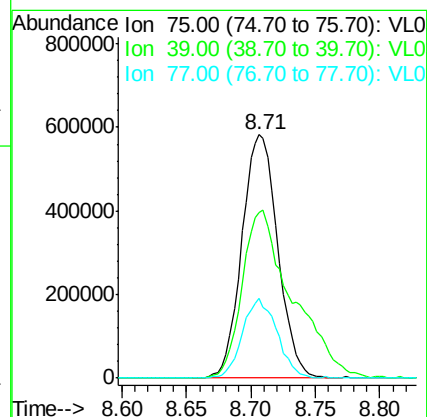
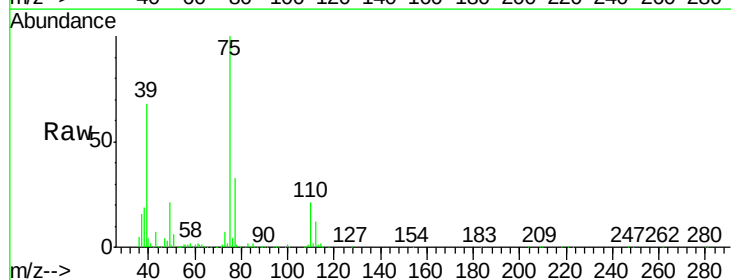
Tgt Ion: 75 Resp: 1126842

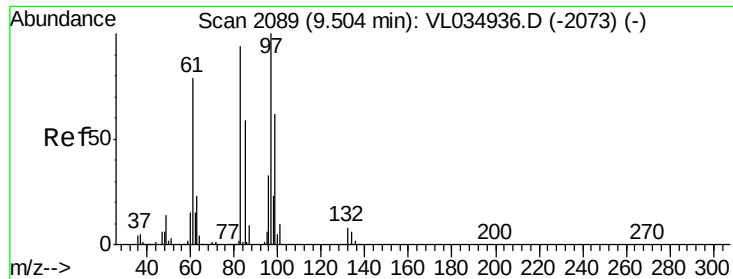
Ion Ratio Lower Upper

75 100

39 67.8 51.5 77.3

77 32.9 25.5 38.3





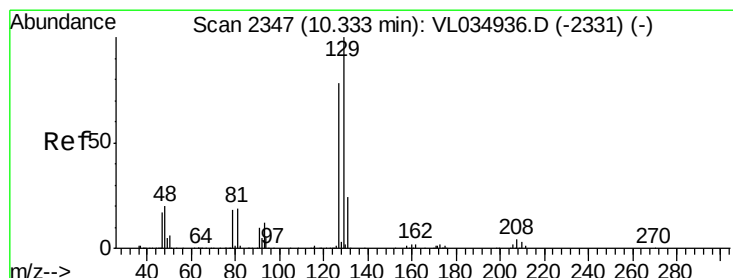
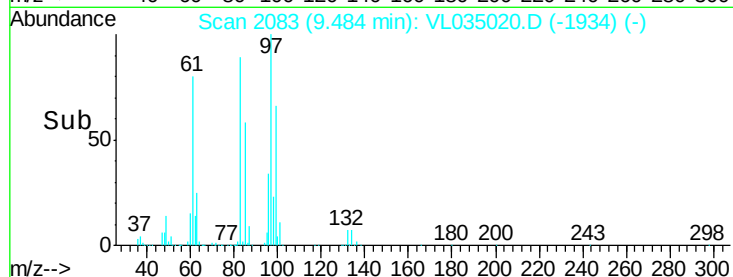
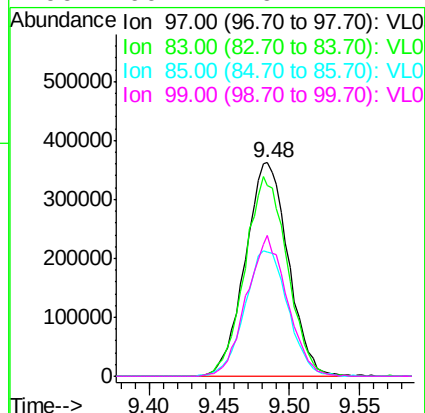
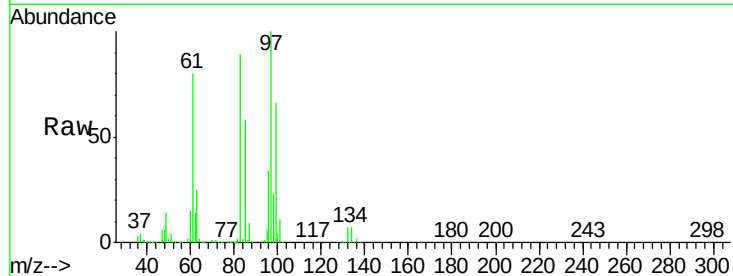
#47
 1,1,2-Trichloroethane
 Concen: 9.235 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		769176		
83	89.1	75.6	113.4		
85	58.5	47.0	70.6		
99	66.2	49.4	74.2		

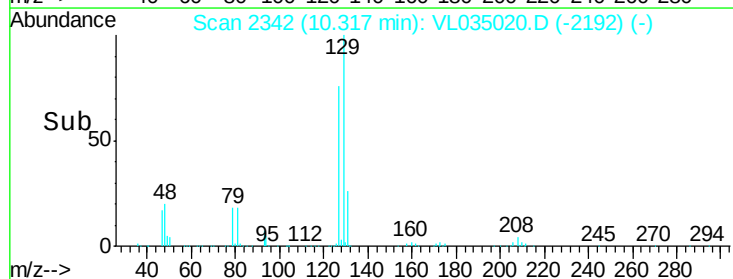
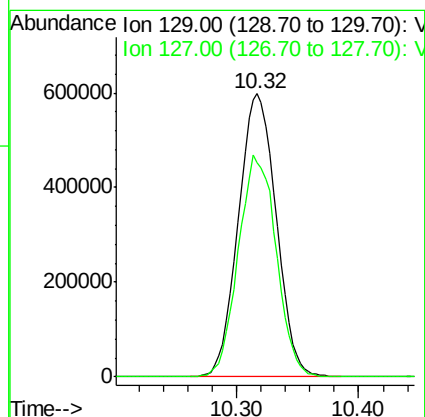
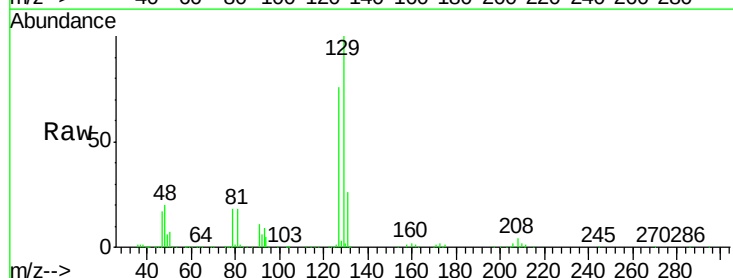
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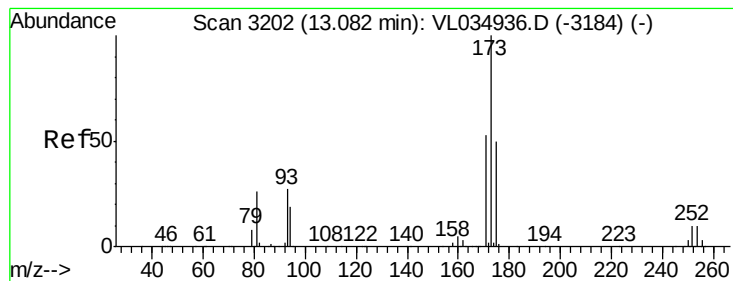
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#48
 Dibromochloromethane
 Concen: 9.965 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1276352		
127	78.5	39.1	117.2		





#49

Bromoform

Concen: 9.973 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion:173 Resp: 1099151

Ion Ratio Lower Upper

173 100

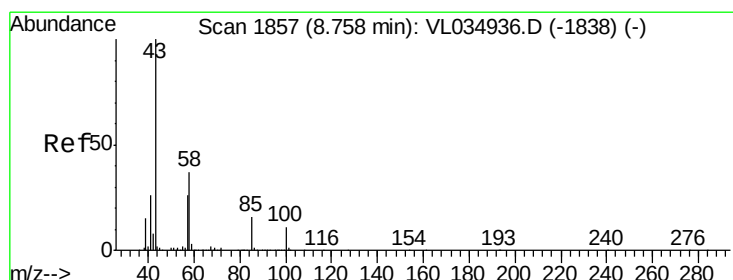
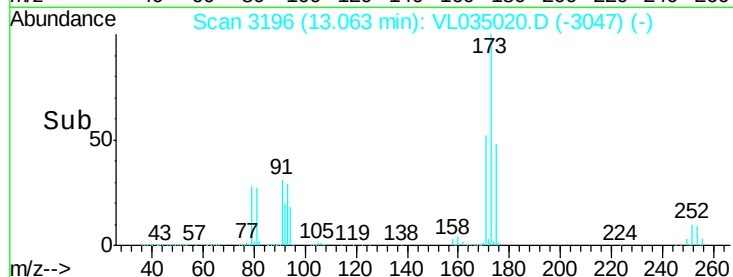
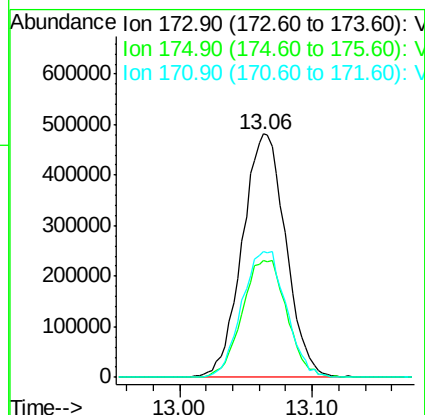
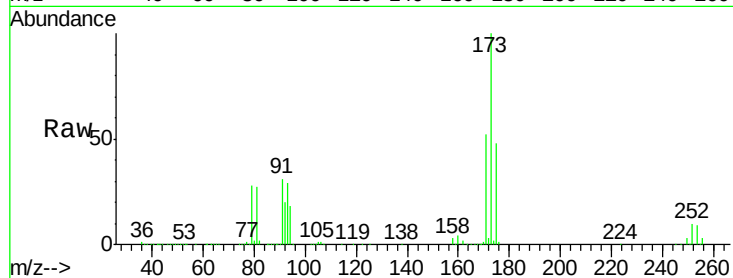
175 49.5 39.0 58.6

171 52.8 41.4 62.2

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 9.790 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.02 min

Lab File: VL035020.D

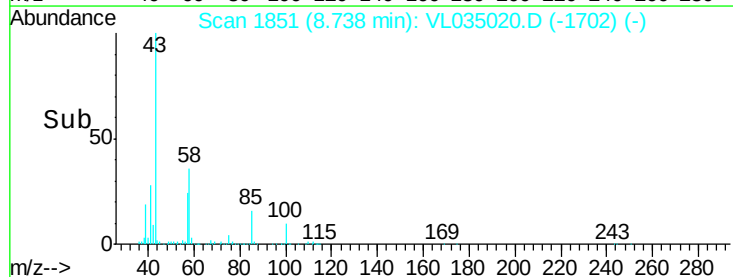
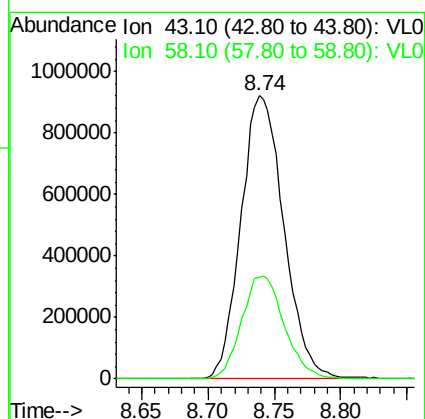
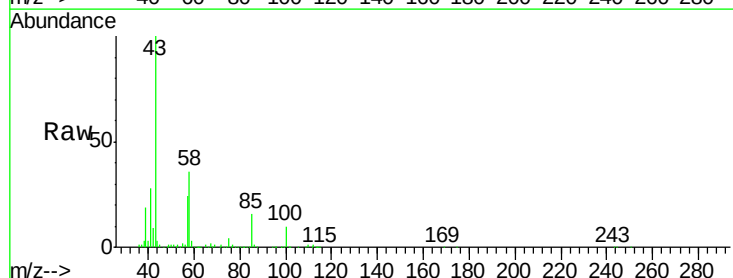
Acq: 14 May 2020 14:32

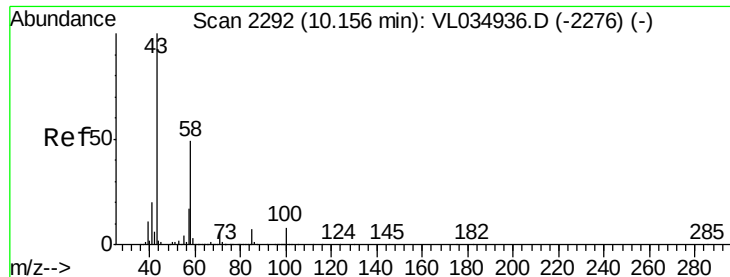
Tgt Ion: 43 Resp: 2072038

Ion Ratio Lower Upper

43 100

58 36.1 29.1 43.7





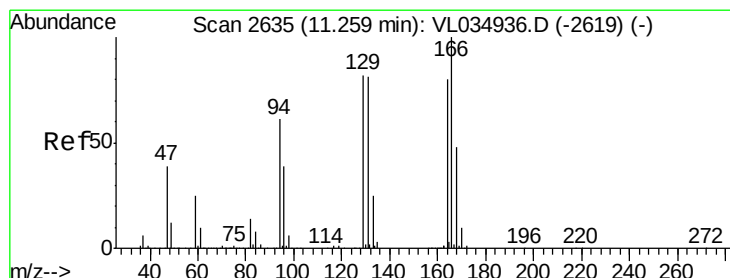
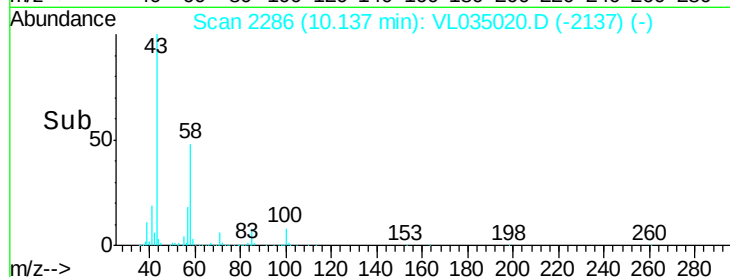
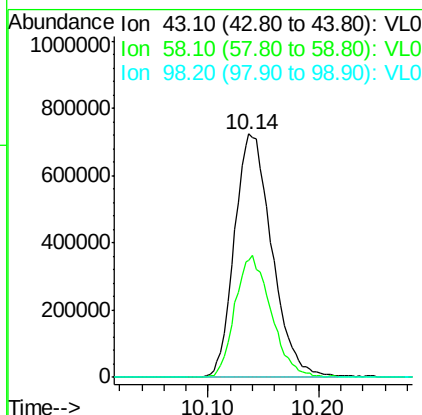
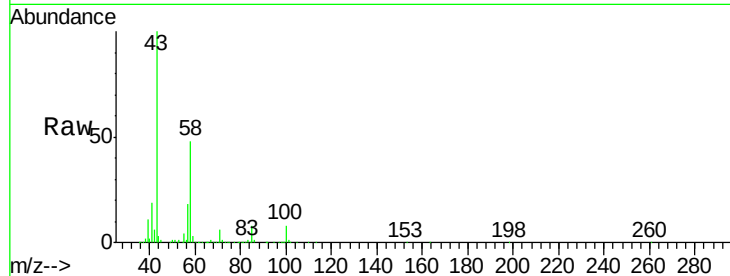
#51
2-Hexanone
Concen: 10.299 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion: 43 Resp: 1705008
Ion Ratio Lower Upper
43 100
58 48.2 39.1 58.7
98 0.4 0.3 0.5

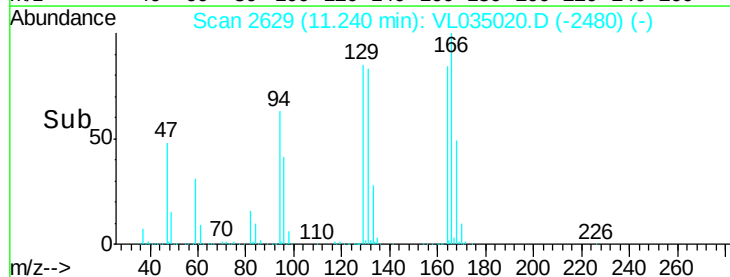
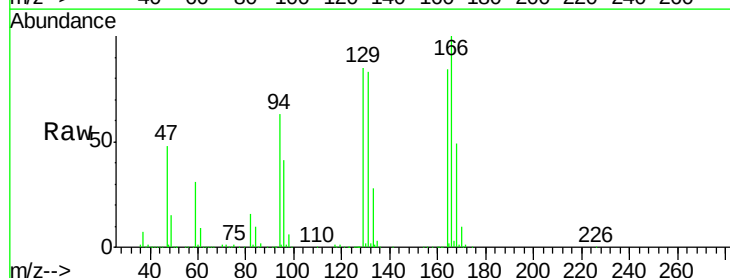
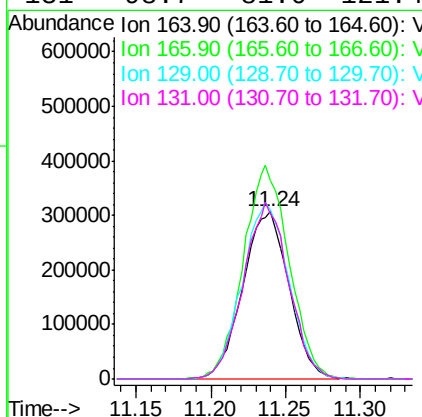
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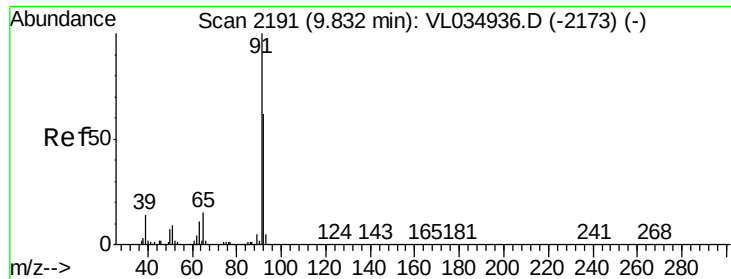
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#52
Tetrachloroethene
Concen: 9.397 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion: 164 Resp: 657859
Ion Ratio Lower Upper
164 100
166 118.2 100.7 151.1
129 101.2 83.0 124.4
131 98.7 81.0 121.4





#53

Toluene

Concen: 10.463 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 91 Resp: 2183737

Ion Ratio Lower Upper

91 100

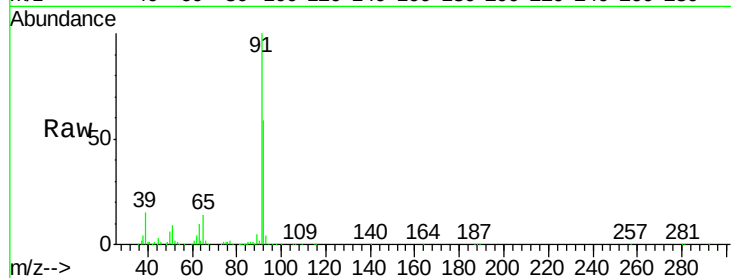
92 59.9 48.6 73.0

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

1200000

1000000

800000

600000

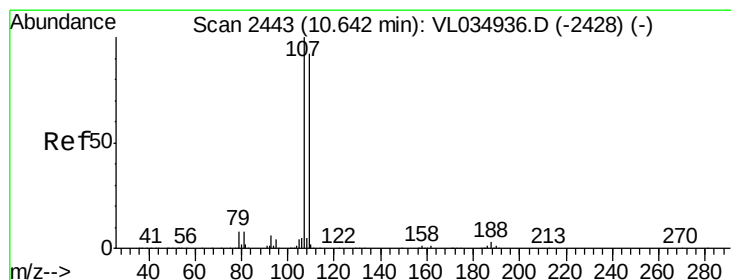
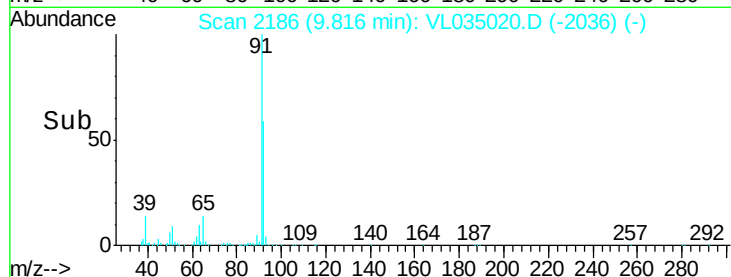
400000

200000

0

9.75 9.80 9.85 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 9.666 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.02 min

Lab File: VL035020.D

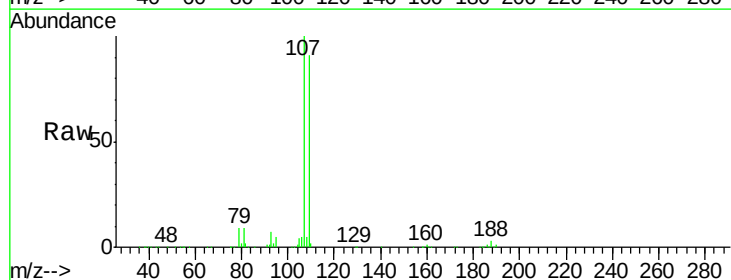
Acq: 14 May 2020 14:32

Tgt Ion:107 Resp: 1182228

Ion Ratio Lower Upper

107 100

109 90.5 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

600000

500000

400000

300000

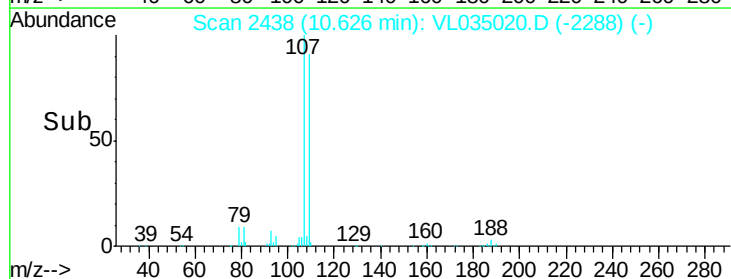
200000

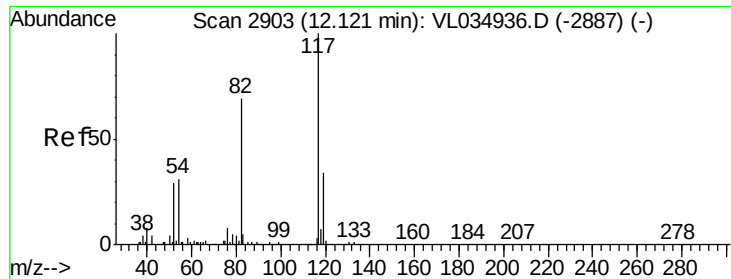
100000

0

10.60 10.63 10.67

Time-->





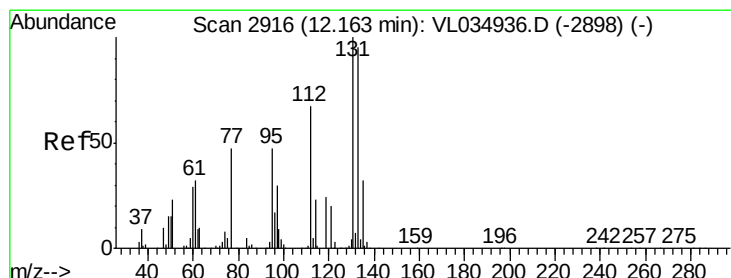
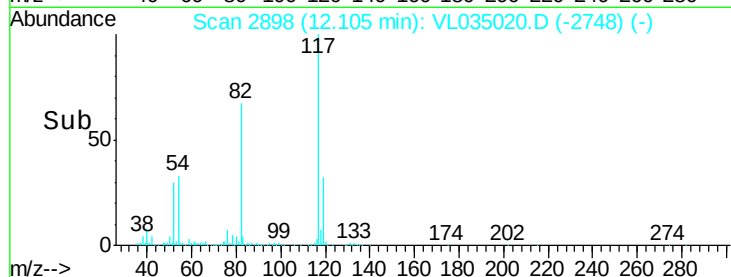
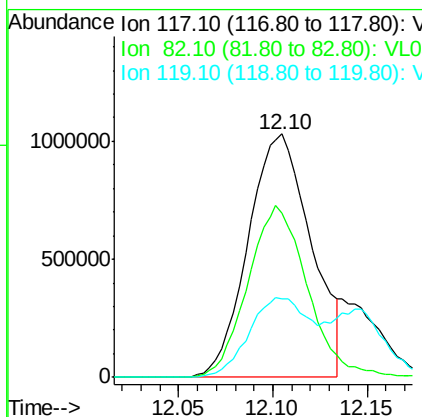
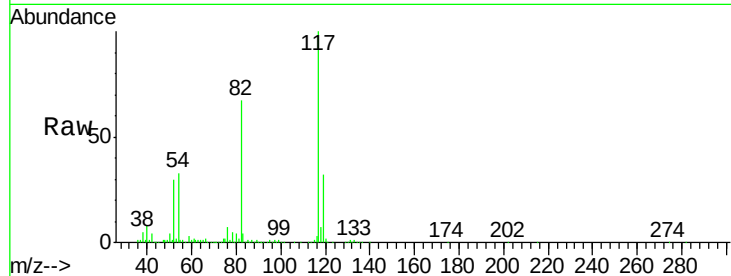
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion:117 Resp: 2387188
Ion Ratio Lower Upper
117 100
82 67.4 53.1 79.7
119 35.1 26.7 40.1

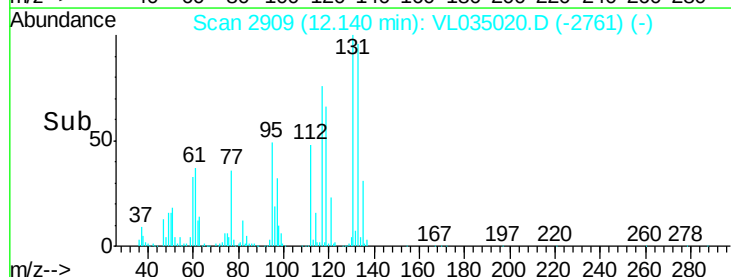
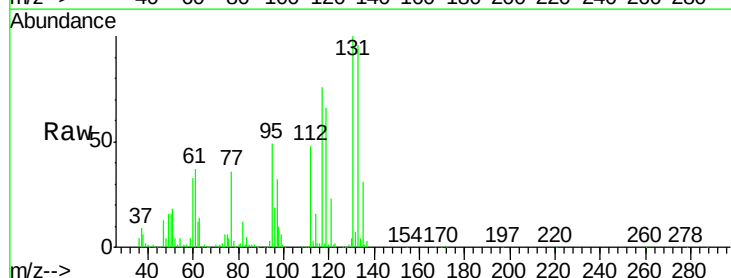
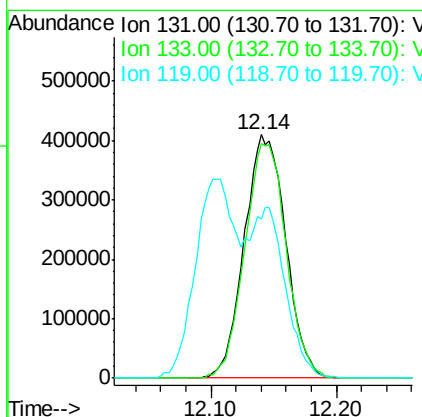
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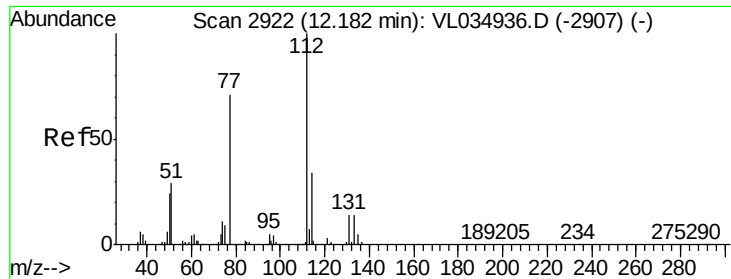
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.771 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion:131 Resp: 944249
Ion Ratio Lower Upper
131 100
133 96.2 77.7 116.5
119 53.1 49.8 74.6





#57

Chlorobenzene

Concen: 8.563 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 112 Resp: 1619426

Ion Ratio Lower Upper

112 100

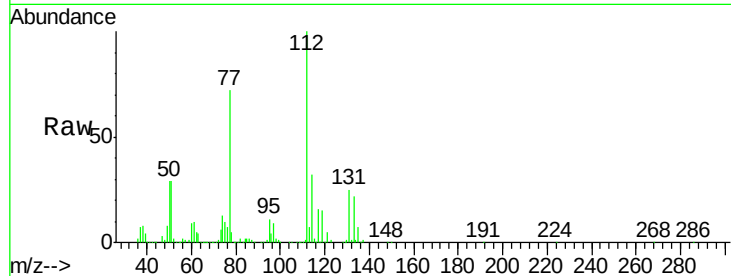
77 71.2 57.0 85.6

114 31.8 30.8 37.6

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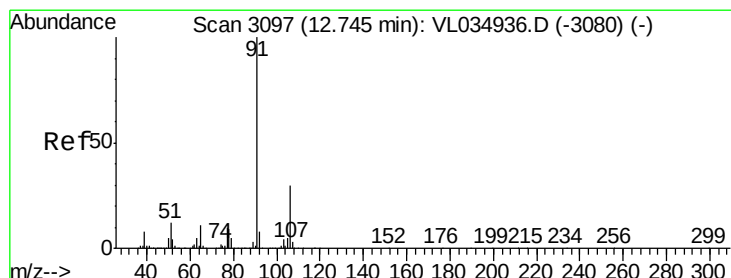
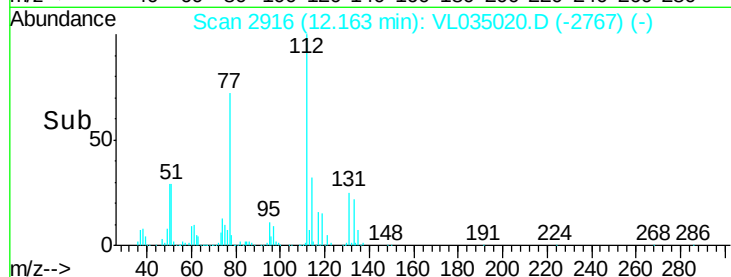
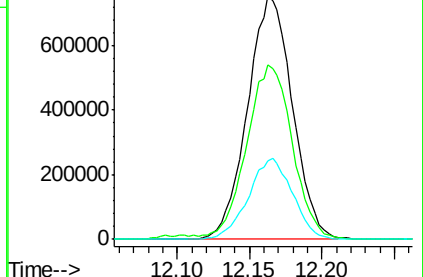
5/18/2020 1:34:41 PM



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: 9.891 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. -0.02 min

Lab File: VL035020.D

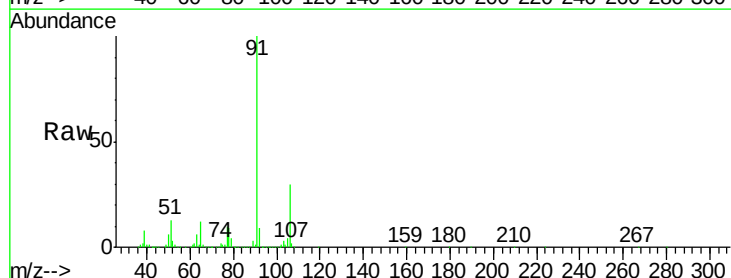
Acq: 14 May 2020 14:32

Tgt Ion: 91 Resp: 2919742

Ion Ratio Lower Upper

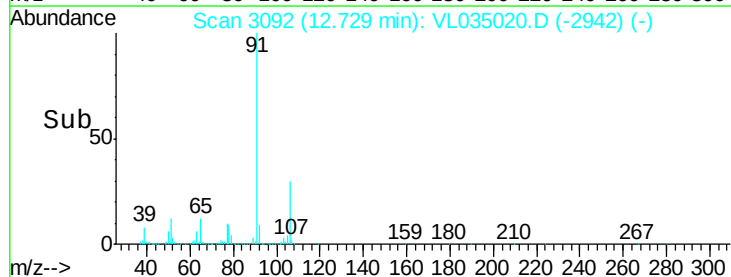
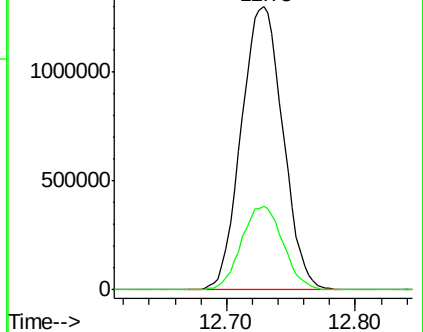
91 100

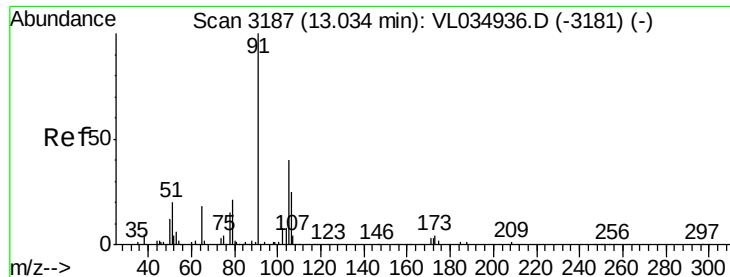
106 29.6 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





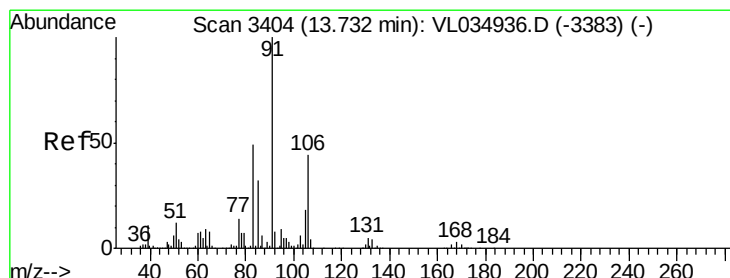
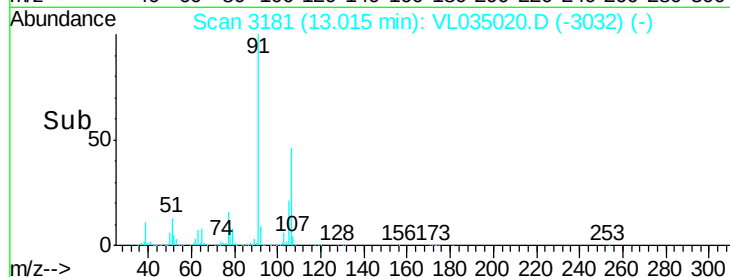
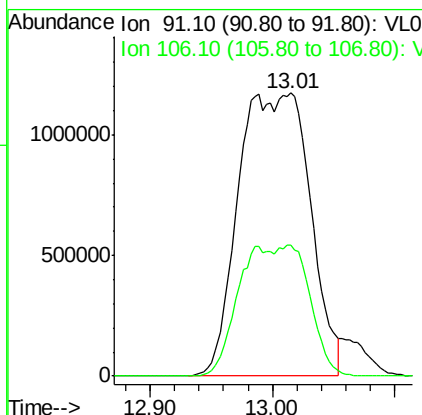
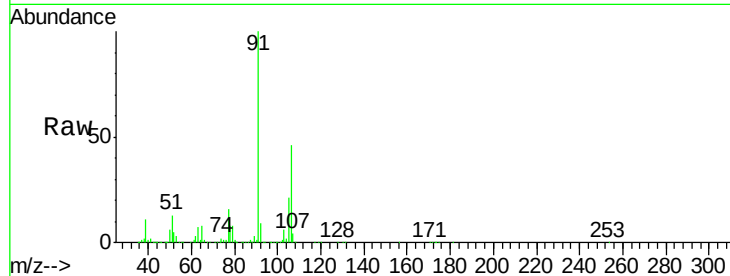
#59
m/p-Xylene
Concen: 18.435 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion: 91 Resp: 4787973
Ion Ratio Lower Upper
91 100
106 45.1 66.0 99.0#

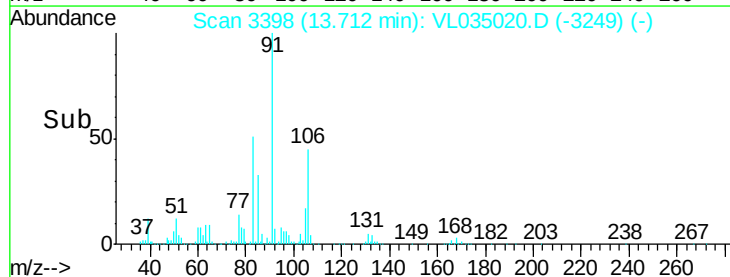
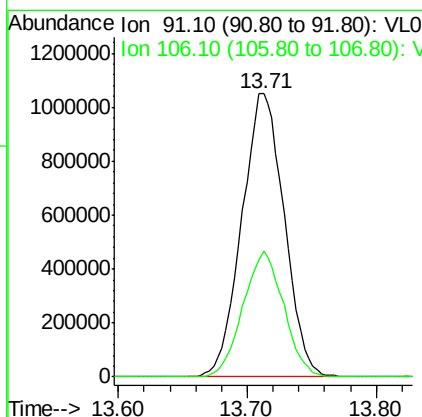
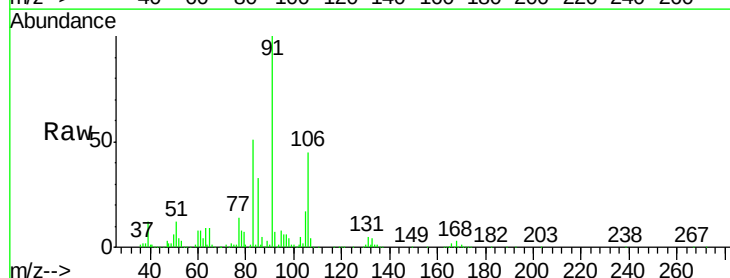
Manual Integrations
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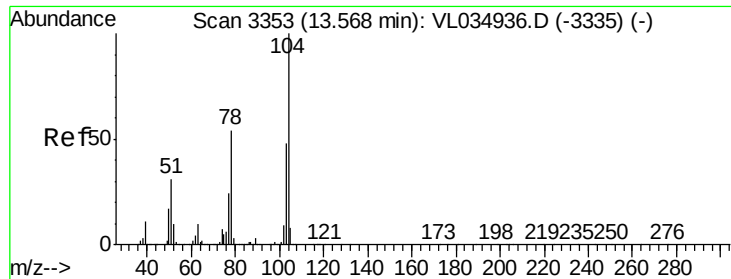
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#60
o-Xylene
Concen: 9.356 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion: 91 Resp: 2397858
Ion Ratio Lower Upper
91 100
106 42.7 21.9 65.5





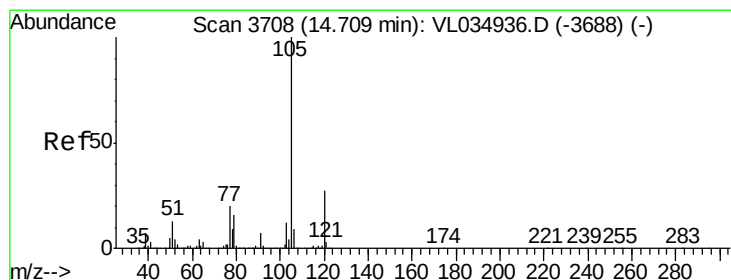
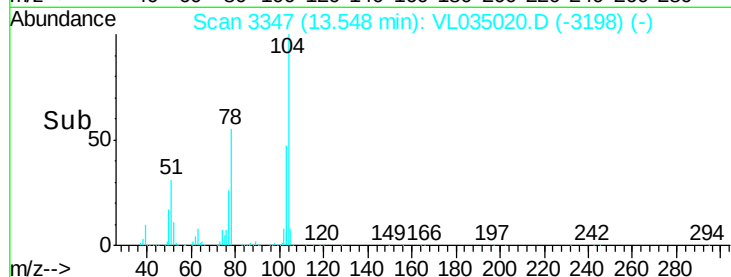
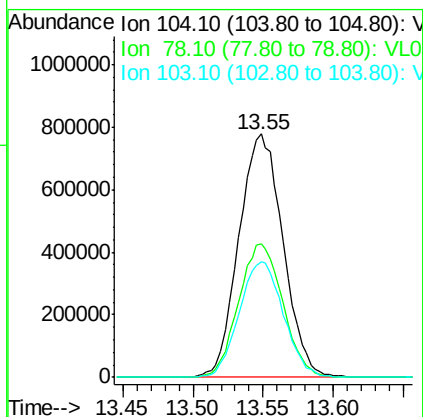
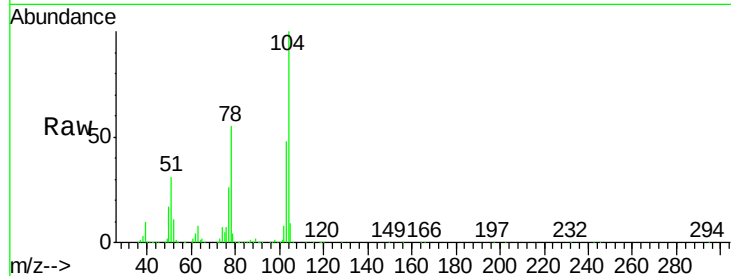
#61
Stvrene
Concen: 10.479 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Instrument :
MSVOA_L
ClientSampled :
VL0514ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.3	43.7	65.5
103	48.0	38.8	58.2

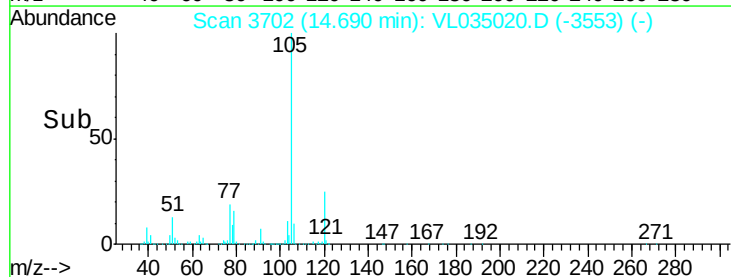
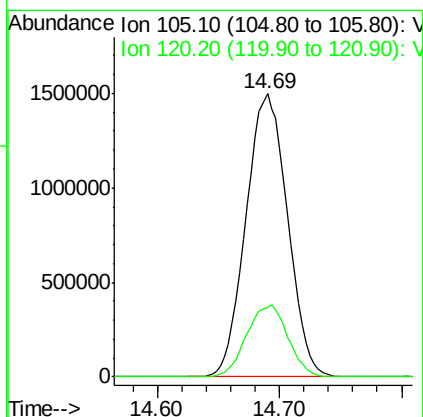
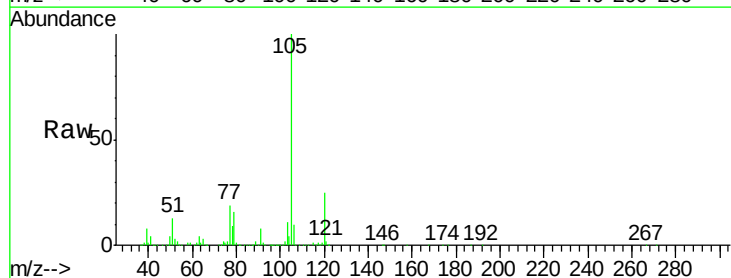
Manual Integrations
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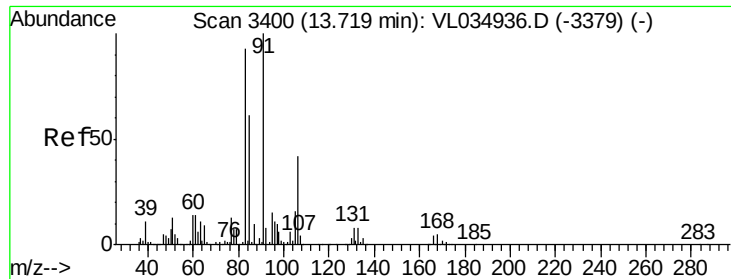
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#62
Isopropylbenzene
Concen: 9.211 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.6	31.0





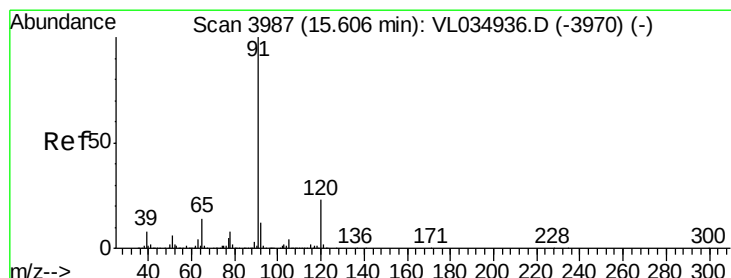
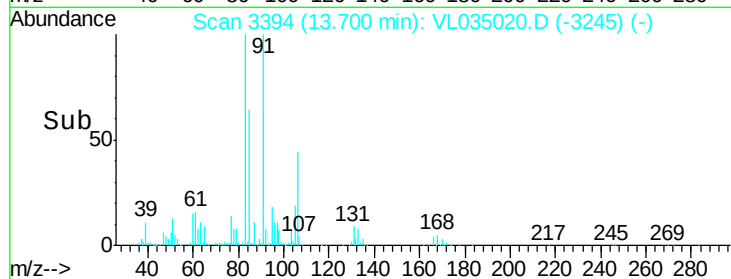
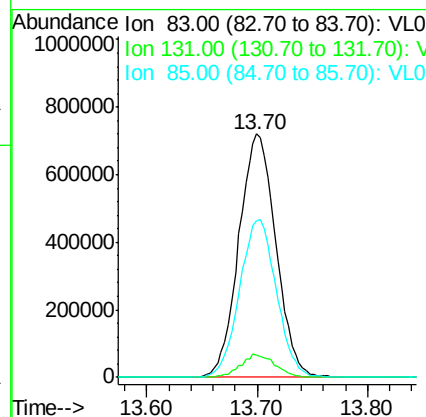
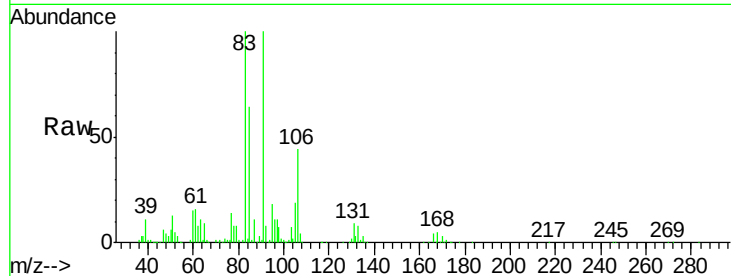
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.289 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.0
85	64.8	32.5	97.4

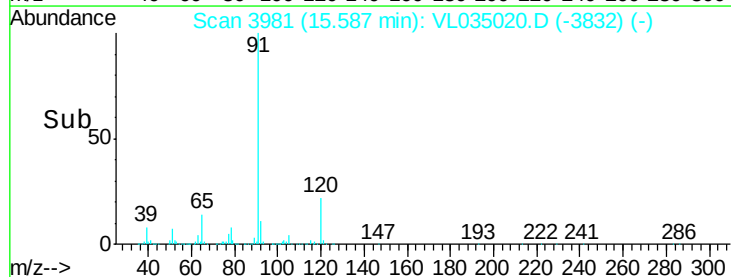
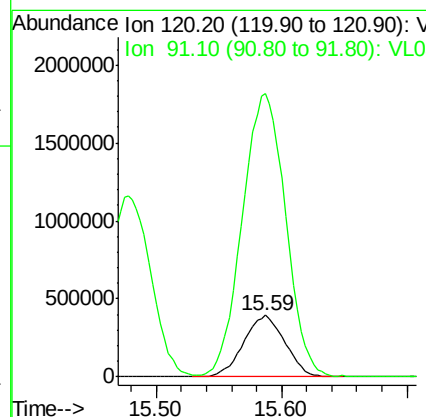
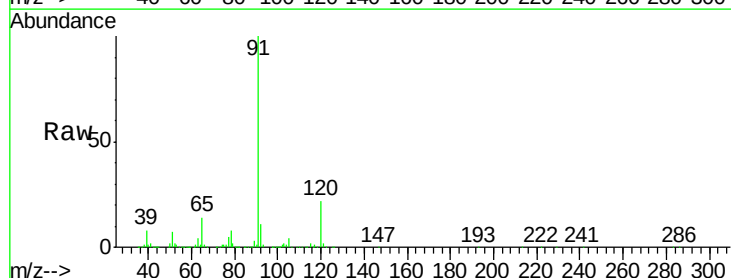
Manual Integrations
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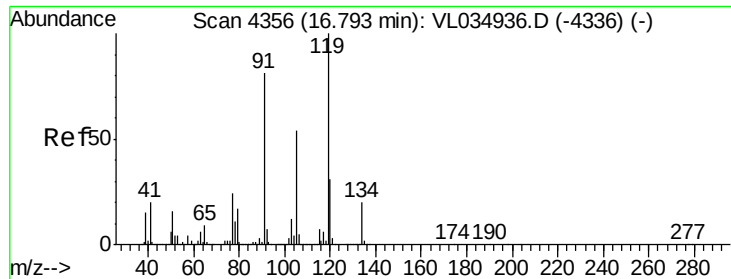
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#64
 n-propylbenzene
 Concen: 9.162 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion	Ratio	Lower	Upper
120	100		
91	484.8	373.5	560.3





#65

tert-Butylbenzene

Concen: 9.083 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion:119 Resp: 3014302

Ion Ratio Lower Upper

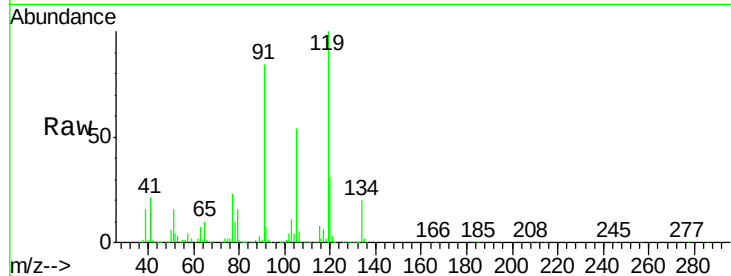
119 100

91 85.4 67.5 101.3

134 19.3 16.1 24.1

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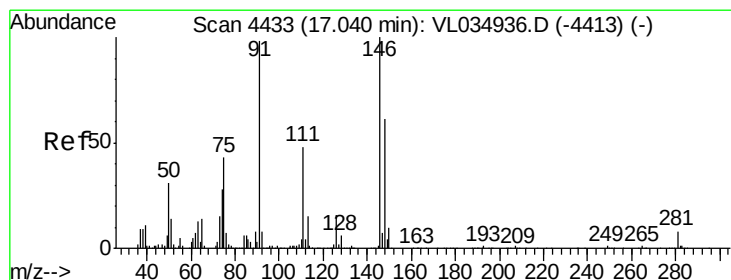
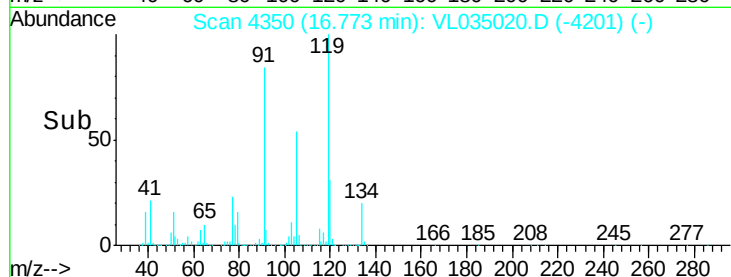
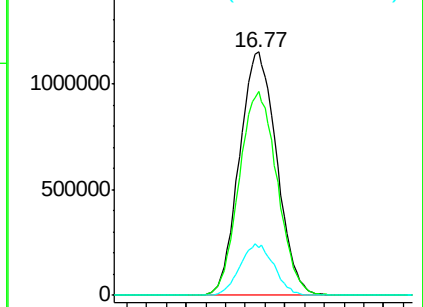
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.789 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

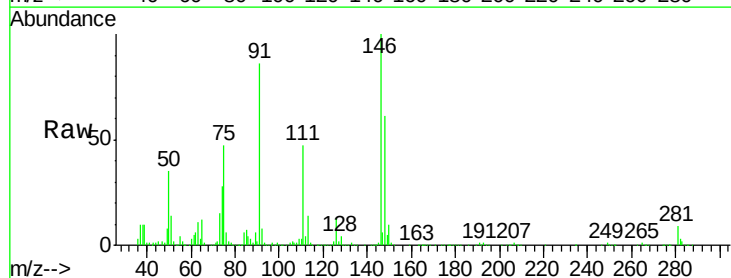
Tgt Ion: 91 Resp: 1102855

Ion Ratio Lower Upper

91 100

126 15.8 13.8 20.6

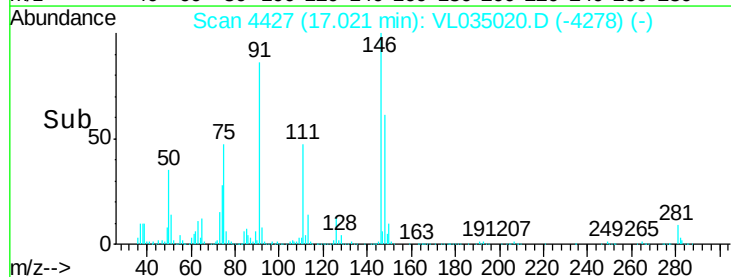
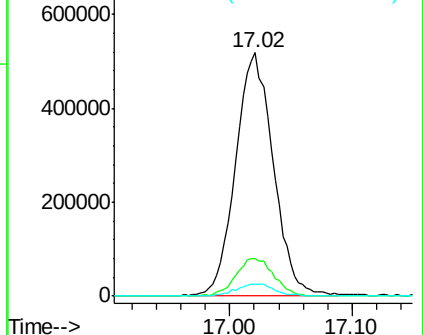
128 5.2 4.3 6.5

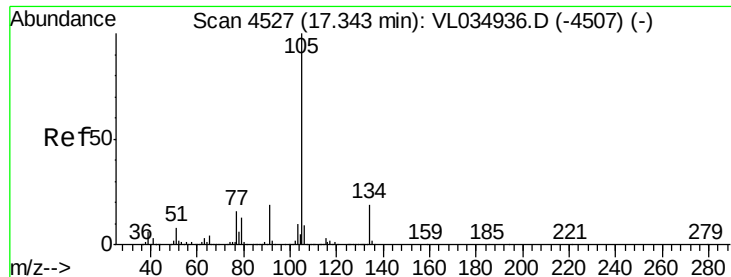


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.148 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 105 Resp: 4333941

Ion Ratio Lower Upper

105 100

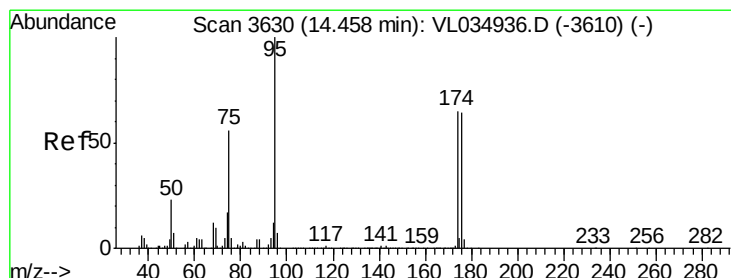
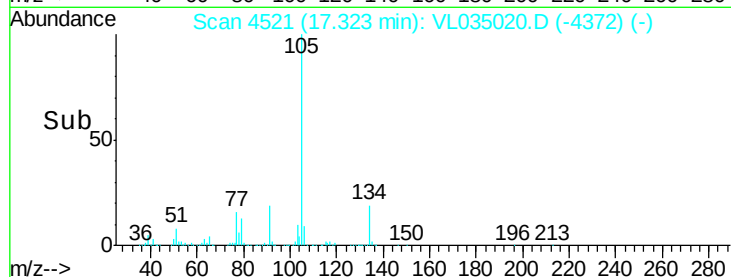
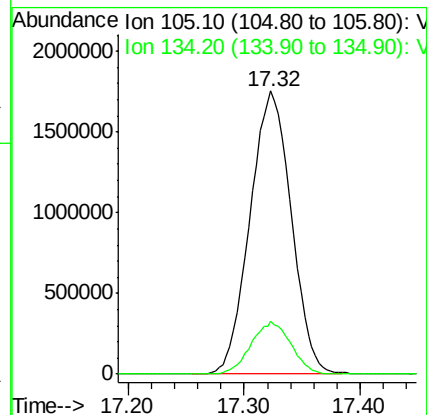
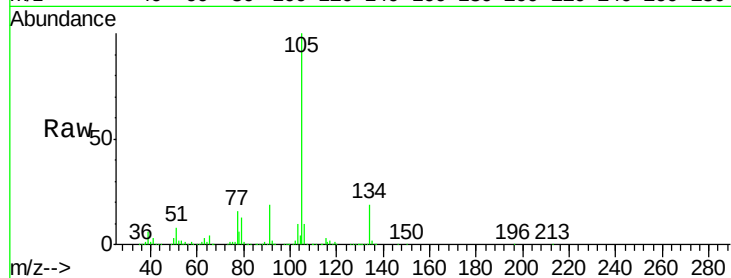
134 18.0 14.8 22.2

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.171 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

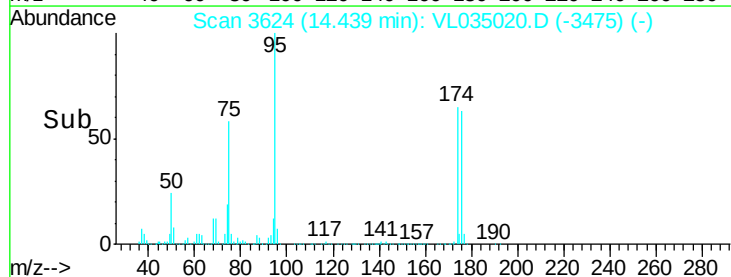
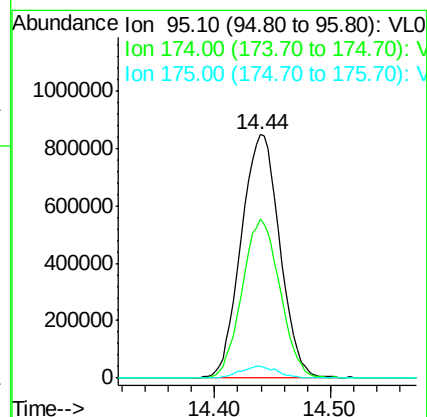
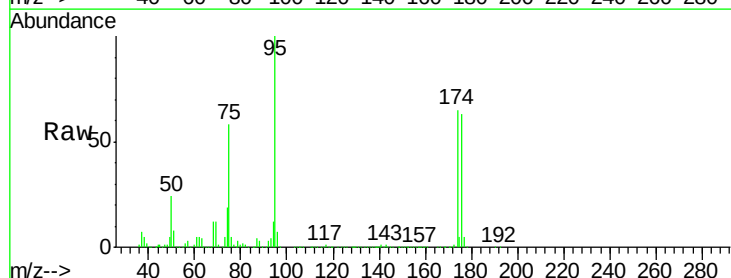
Tgt Ion: 95 Resp: 1965346

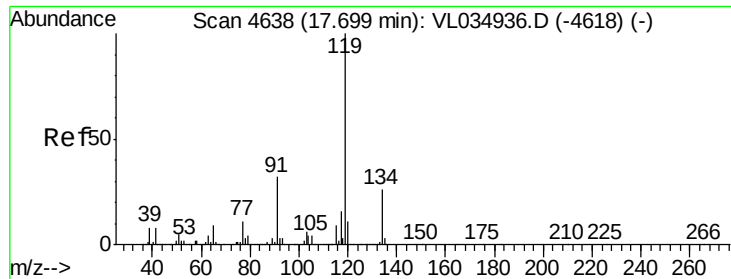
Ion Ratio Lower Upper

95 100

174 64.2 51.5 77.3

175 4.7 3.8 5.8





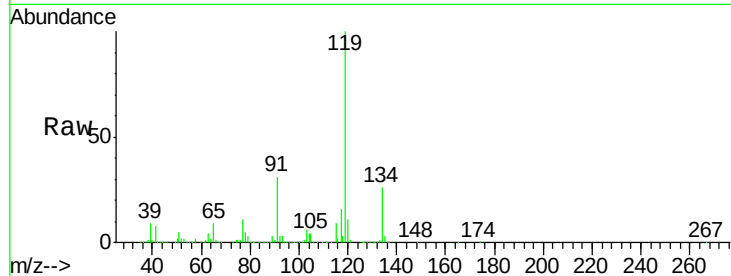
#69
 p-Isopropyltoluene
 Concen: 9.187 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

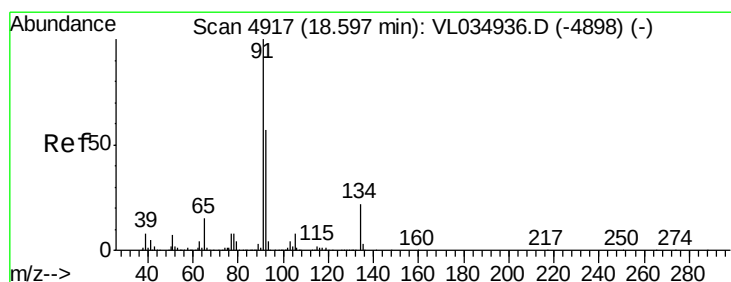
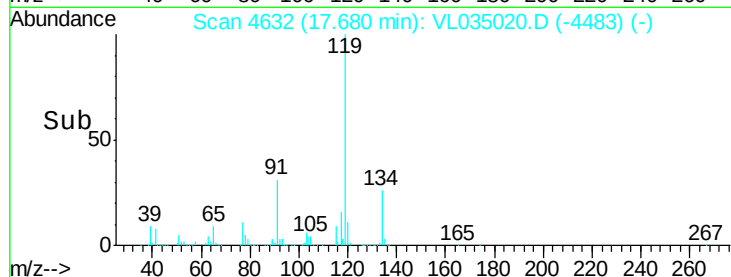
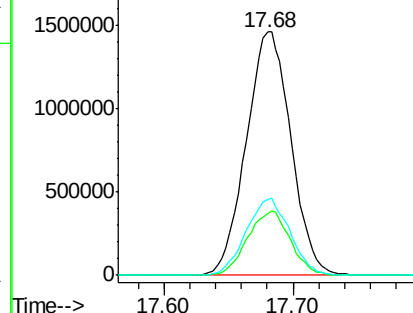
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	31.0	24.6	36.8

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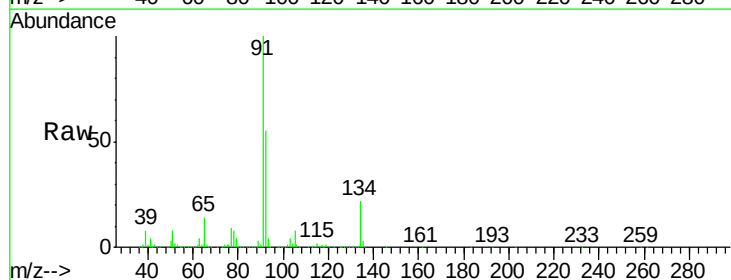


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

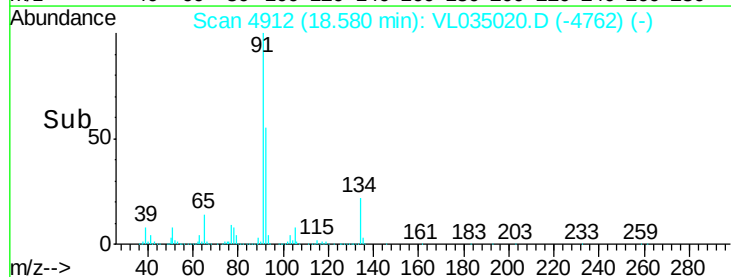
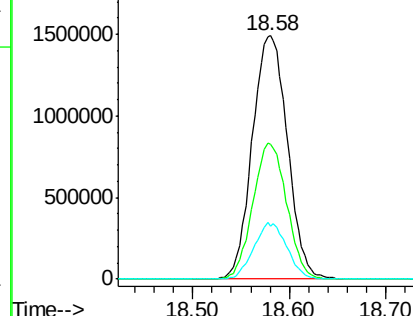


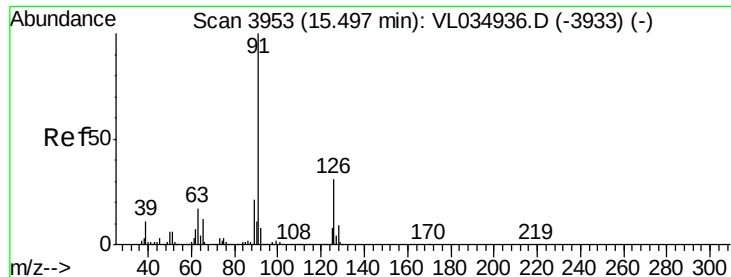
#70
 n-Butylbenzene
 Concen: 9.210 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.9	44.4	66.6
134	21.8	18.0	27.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.431 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 91 Resp: 2724073

Ion Ratio Lower Upper

91 100

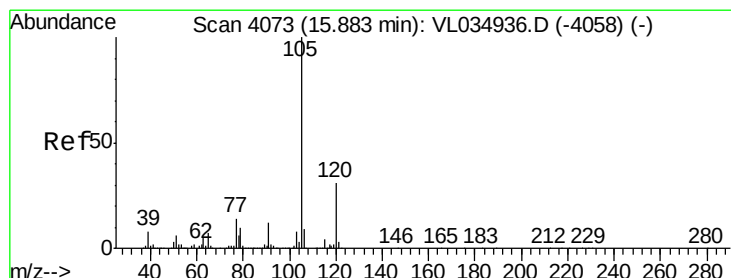
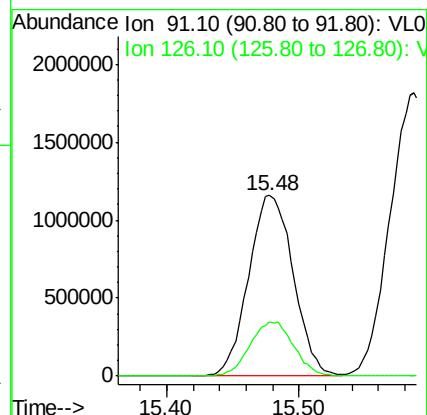
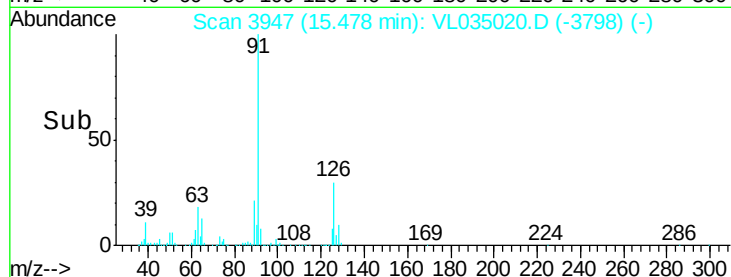
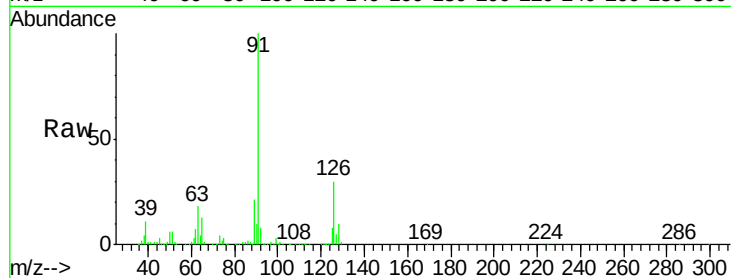
126 29.4 12.0 47.8

Manual Integrations

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#72

4-Ethyltoluene

Concen: 9.770 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Tgt Ion:105 Resp: 2793491

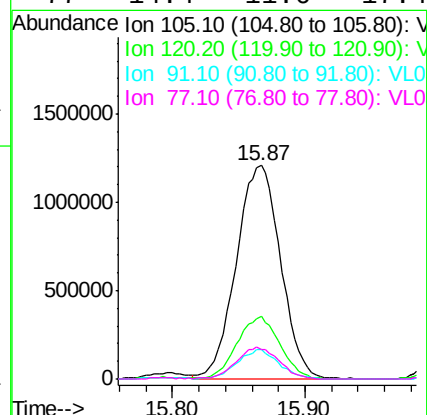
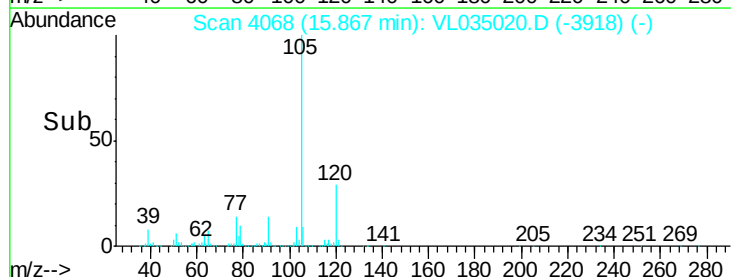
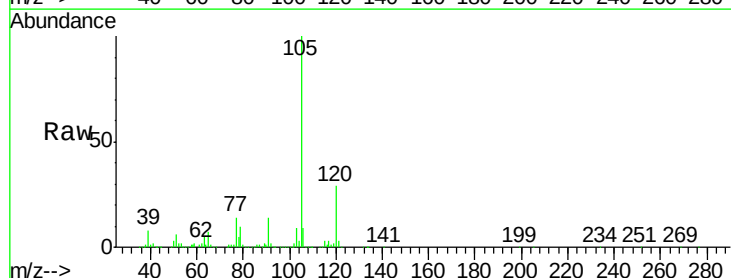
Ion Ratio Lower Upper

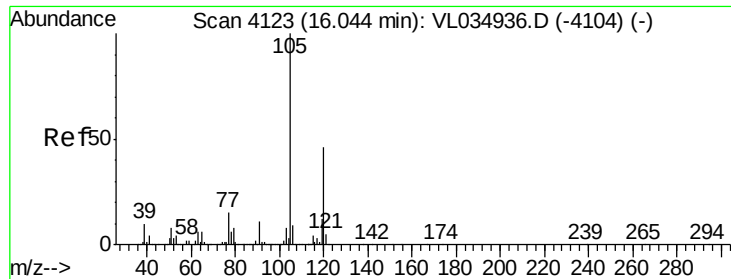
105 100

120 28.5 23.8 35.8

91 12.9 10.6 15.8

77 14.4 11.6 17.4





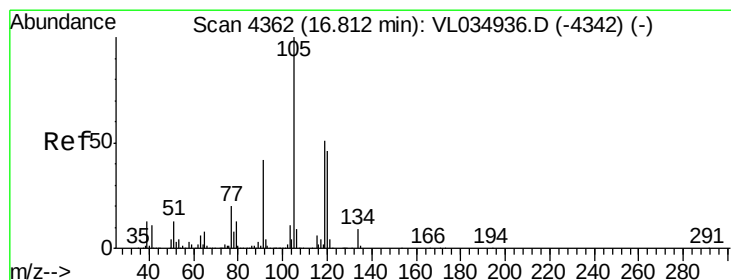
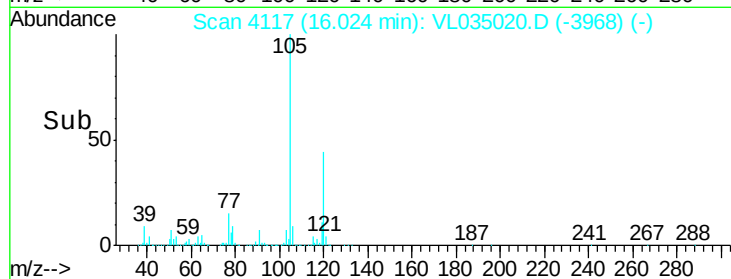
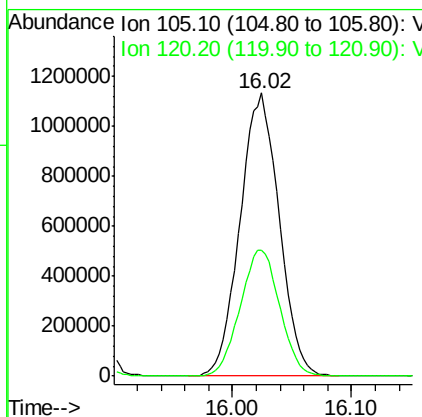
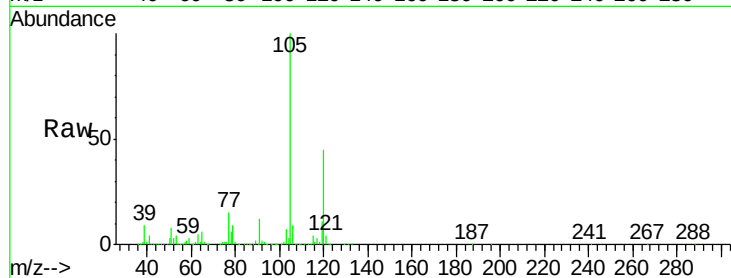
#73
 1,3,5-Trimethylbenzene
 Concen: 9.238 ppbv
 RT: 16.02 min Scan# 4117
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion:105 Resp: 2570600
 Ion Ratio Lower Upper
 105 100
 120 44.6 36.4 54.6

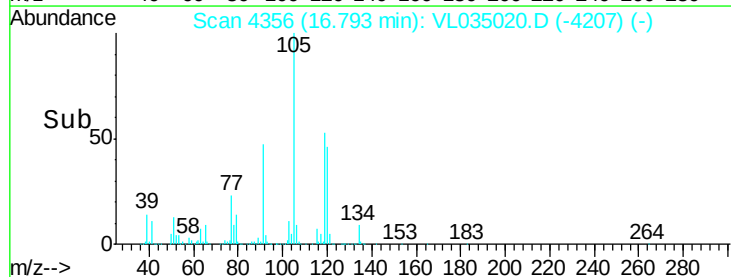
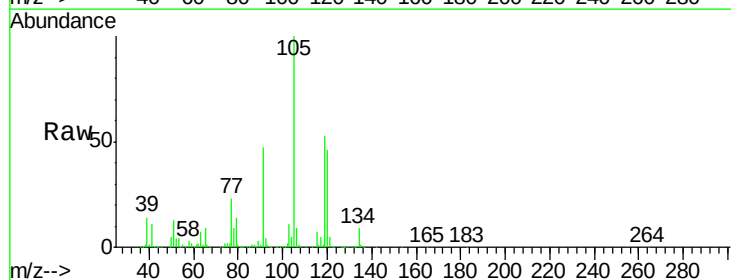
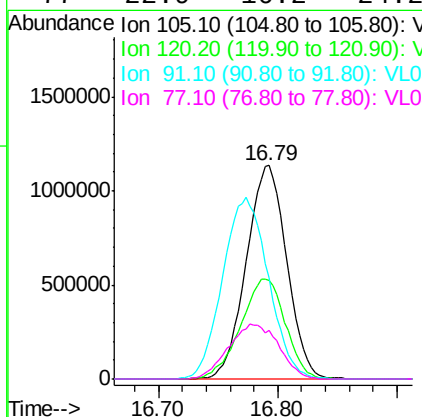
Manual Integrations
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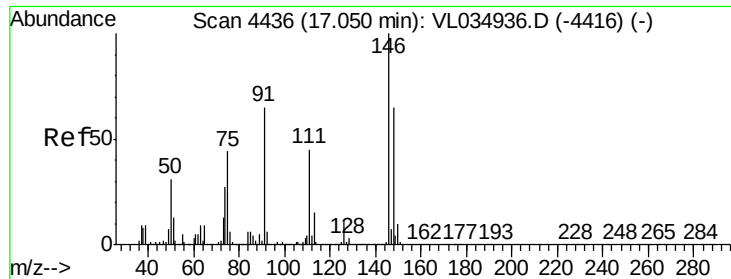
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.776 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion:105 Resp: 2665593
 Ion Ratio Lower Upper
 105 100
 120 45.9 36.8 55.2
 91 47.1 35.4 53.0
 77 22.9 16.2 24.2





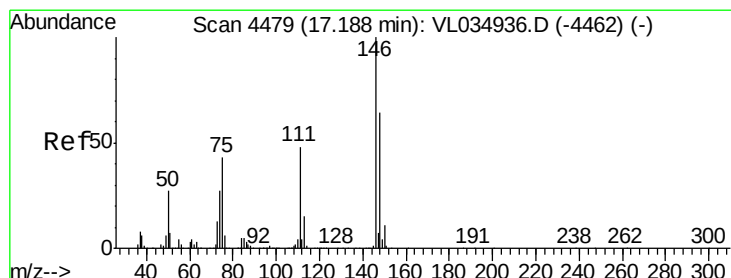
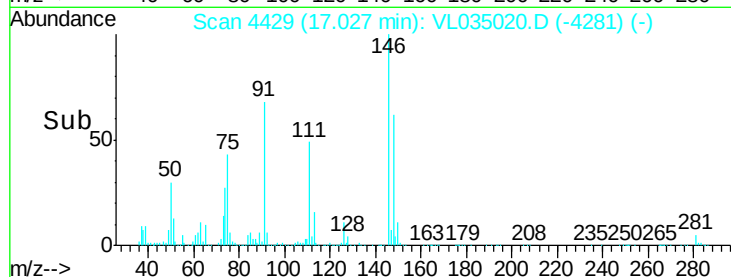
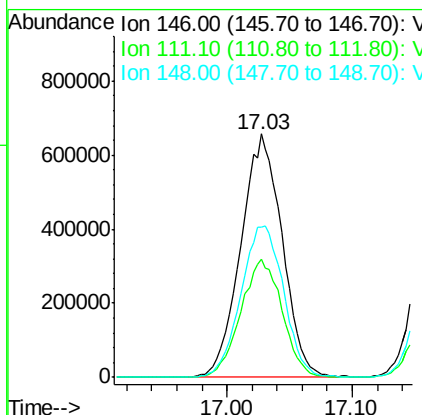
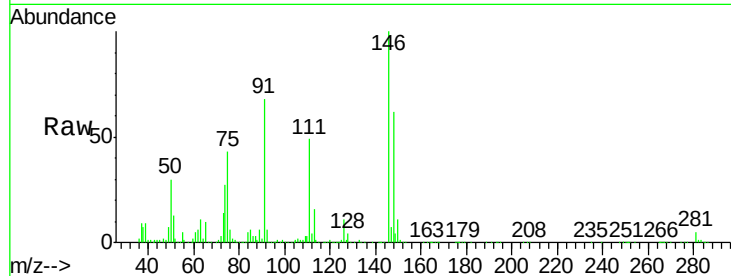
#75
 1,3-Dichlorobenzene
 Concen: 8.431 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.0	72.0
148	64.4	32.6	97.7

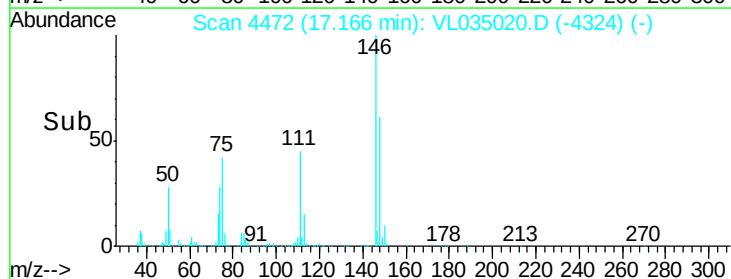
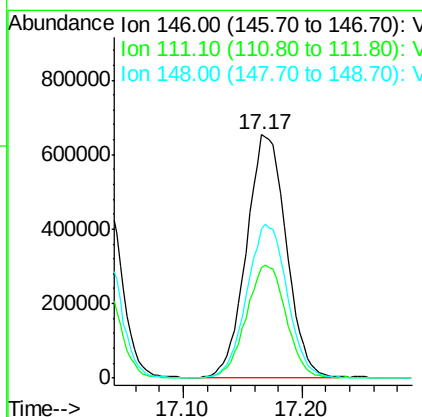
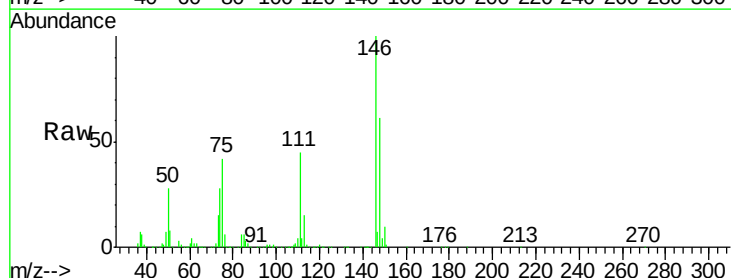
Manual Integrations
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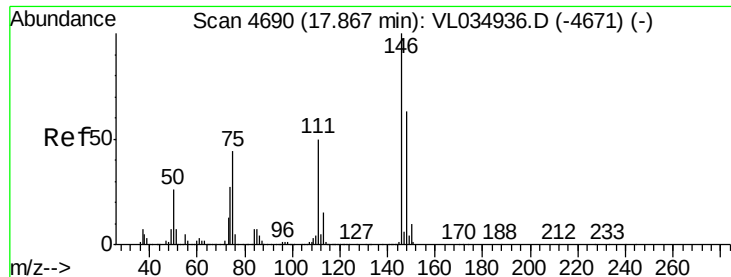
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#76
 1,4-Dichlorobenzene
 Concen: 8.869 ppbv
 RT: 17.17 min Scan# 4472
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.7	71.1
148	64.8	32.6	97.8





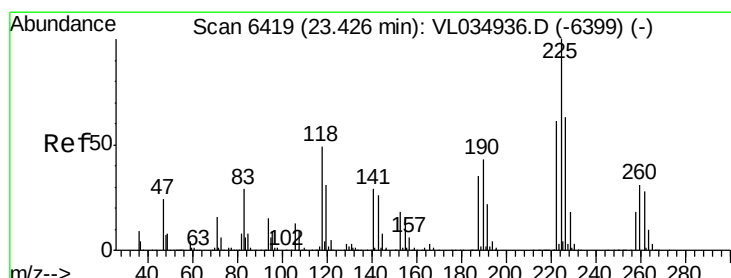
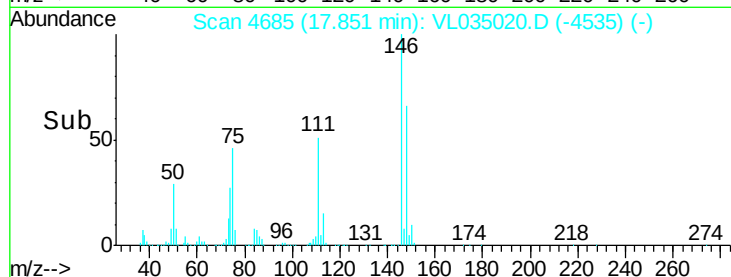
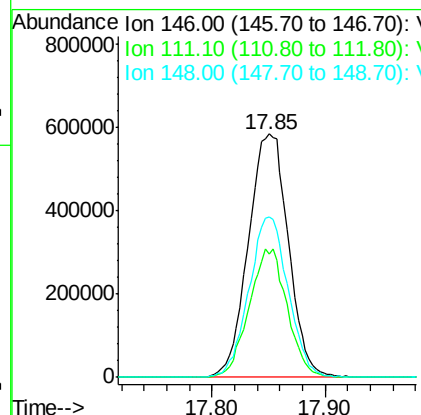
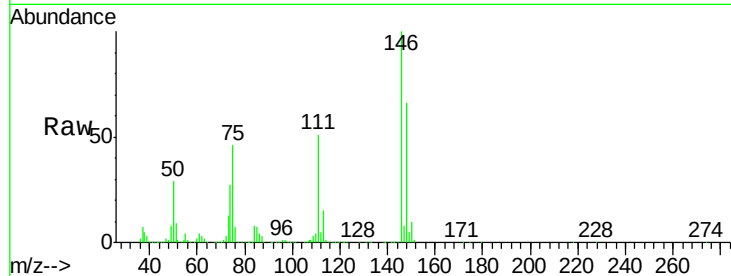
#77
 1,2-Dichlorobenzene
 Concen: 8.549 ppbv
 RT: 17.85 min Scan# 4685
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.2	24.5	73.5
148	64.8	31.7	95.1

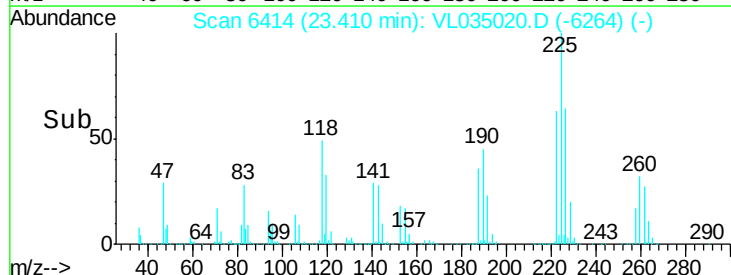
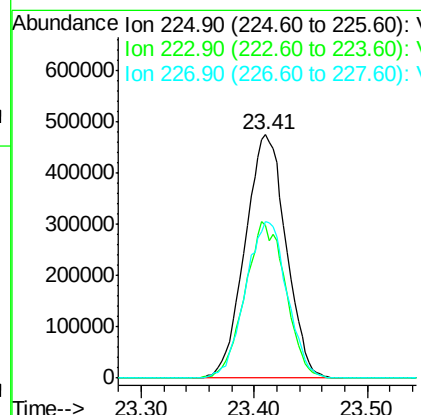
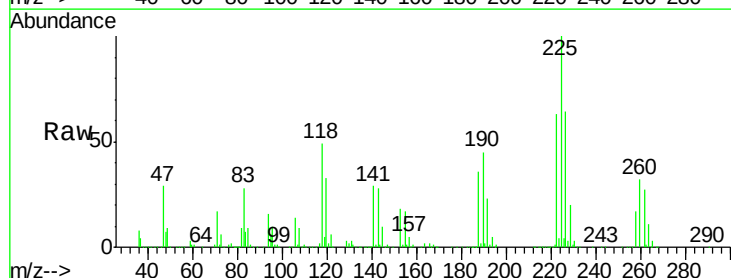
Manual Integrations
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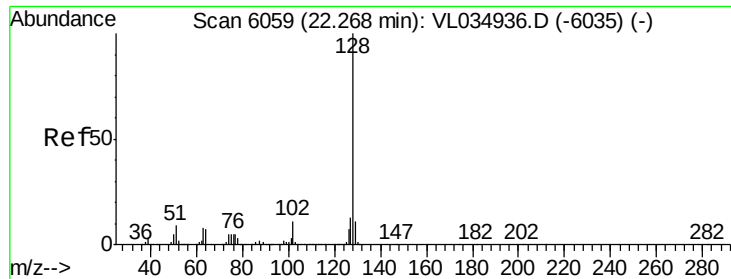
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.370 ppbv
 RT: 23.41 min Scan# 6414
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	49.8	74.8
227	65.2	51.8	77.6





#79

Naphthalene

Concen: 11.309 ppbv

RT: 22.25 min Scan# 6052

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion:128 Resp: 2674880

Ion Ratio Lower Upper

128 100

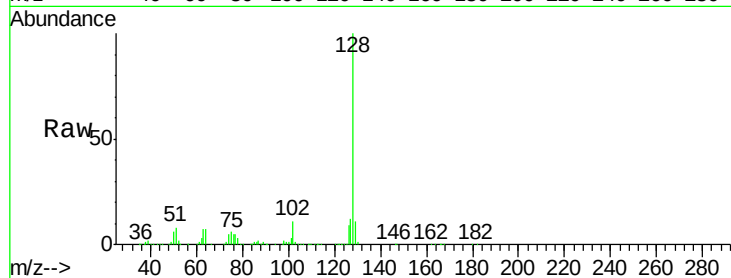
127 12.2 10.5 15.7

129 11.2 9.0 13.4

Manual Integrations
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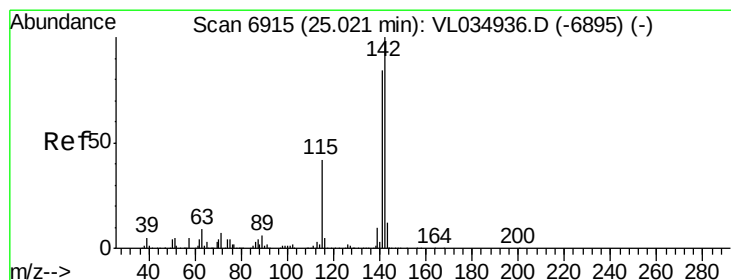
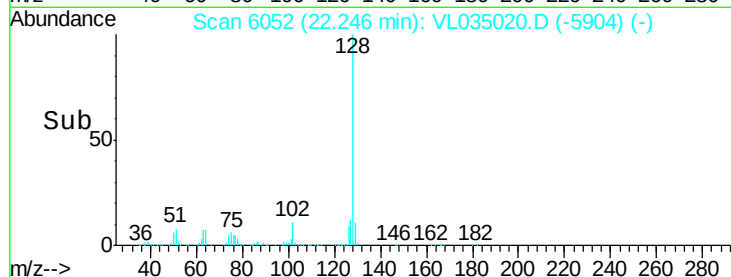
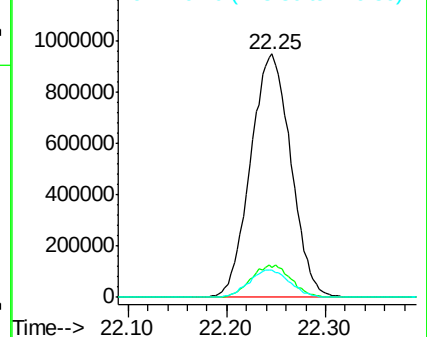
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 20.938 ppbv

RT: 25.00 min Scan# 6910

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

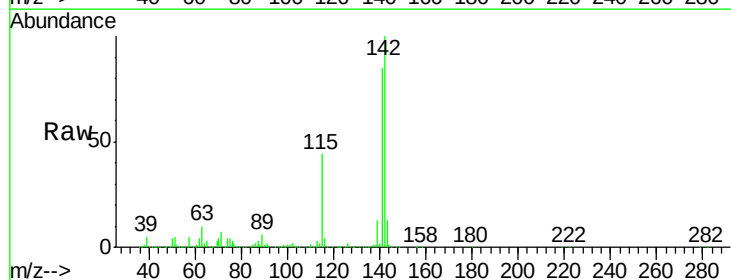
Tgt Ion:142 Resp: 1217325

Ion Ratio Lower Upper

142 100

141 84.3 68.6 102.8

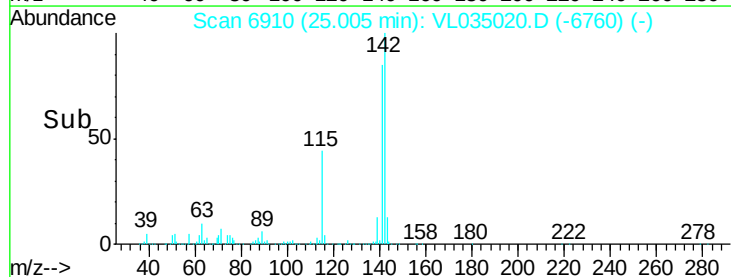
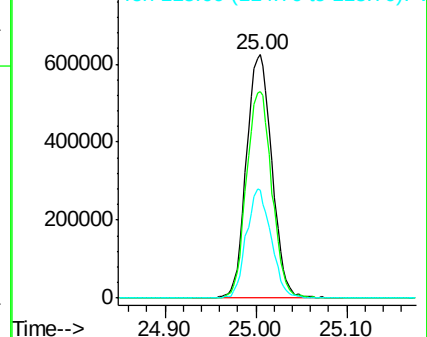
115 43.4 33.9 50.9

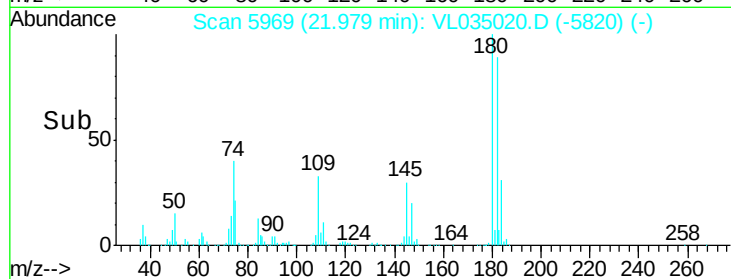
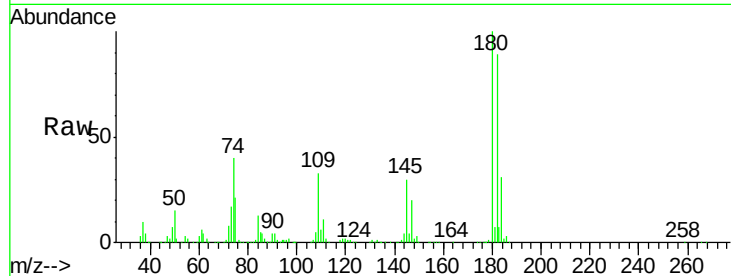
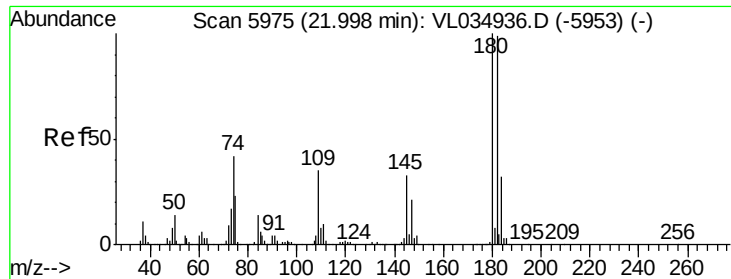


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.722 ppbv m
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.5	116.3#
184	0.0	24.8	37.2#

Manual Integrations
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