

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034937.D
 Acq On : 6 May 2020 10:48
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 2:29:29 PM

Quant Time: May 06 12:46:17 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 12:36:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1222148	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2810612	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2718729	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2147129	10.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	331121	1.979 ppbv	97
3) Chlorodifluoromethane	2.95	51	302915	2.219 ppbv	100
4) Chloromethane	3.10	50	173931	2.254 ppbv	96
5) Vinyl Chloride	3.22	62	168080	2.266 ppbv	100
6) Bromomethane	3.45	94	101167	2.343 ppbv	98
7) Chloroethane	3.53	64	60170	2.246 ppbv	94
8) Dichlorotetrafluoroethane	3.15	85	391360	2.252 ppbv	99
9) Propene	2.97	41	131043	2.010 ppbv	98
10) Heptane	8.14	43	334814	2.087 ppbv	100
11) Trichlorofluoromethane	3.92	101	391226	2.197 ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.47	101	281221	2.257 ppbv	100
13) Ethanol	3.58	45	45359	2.289 ppbv	86
14) Bromoethene	3.71	108	112314	2.087 ppbv	95
15) Acetone	3.83	43	366184	2.312 ppbv	99
16) 1,3-Butadiene	3.29	39	156214	2.181 ppbv	96
17) tert-Butyl alcohol	4.27	59	313459	2.054 ppbv	99
18) 1,1-Dichloroethene	4.27	96	120563	2.185 ppbv	90
19) Isopropyl Alcohol	3.94	45	238811	2.387 ppbv #	98
20) Methylene Chloride	4.32	84	115208	2.300 ppbv #	86
21) Allyl Chloride	4.39	41	202529	1.991 ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	127170	2.271 ppbv	90
23) Vinyl Acetate	5.06	43	483795	2.068 ppbv	97
24) 1,1-Dichloroethane	5.00	63	340077	2.168 ppbv	99
25) Ethyl Acetate	5.67	43	597735	2.118 ppbv	99
26) Hexane	5.68	57	256679	2.112 ppbv	96
27) Carbon Disulfide	4.53	76	303517	2.201 ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	398025	1.969 ppbv	100
29) Chloroform	5.75	83	418453	2.257 ppbv	95
30) Cyclohexane	7.13	84	200614	1.979 ppbv #	83
31) cis-1,2-Dichloroethene	5.54	61	251476	2.024 ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	378954	2.098 ppbv	99
34) 2-Butanone	5.23	43	391435	2.096 ppbv	98
35) Carbon Tetrachloride	7.03	117	392173	2.243 ppbv	92
36) Benzene	6.90	78	526286	2.101 ppbv	98
37) 1,2-Dichloroethane	6.31	62	307795	2.179 ppbv	100
38) Trichloroethene	7.85	130	194097	2.040 ppbv	94
39) 1,2-Dichloropropane	7.62	63	200394	2.019 ppbv	98
40) 1,4-Dioxane	7.86	88	83302m	2.222 ppbv	
41) Tetrahydrofuran	6.05	42	207244	2.051 ppbv	98
42) Bromodichloromethane	7.81	83	419882	2.181 ppbv	96
43) Methyl Methacrylate	8.03	69	214897	2.036 ppbv	99

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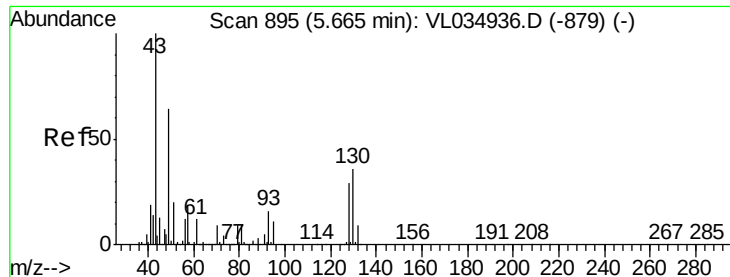
Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 2:29:29 PM

Quant Time: May 06 12:46:17 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 12:36:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	934260	2.207	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	213798	1.724	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	269297	1.828	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	214674	2.107	ppbv	92
48) Dibromochloromethane	10.33	129	334359	2.027	ppbv	99
49) Bromoform	13.08	173	287639	1.956	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	558687	2.078	ppbv	98
51) 2-Hexanone	10.16	43	431172	1.973	ppbv #	100
52) Tetrachloroethene	11.25	164	182697	1.843	ppbv	95
53) Toluene	9.83	91	566277	1.957	ppbv	99
54) 1,2-Dibromoethane	10.64	107	319154m	2.081	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.16	131	267507	2.190	ppbv #	1
57) Chlorobenzene	12.18	112	470623	2.212	ppbv #	96
58) Ethyl Benzene	12.75	91	776540	2.109	ppbv	98
59) m/p-Xylene	13.03	91	1353762m	4.389	ppbv	
60) o-Xylene	13.73	91	679504	2.256	ppbv	97
61) Styrene	13.56	104	434286	2.055	ppbv	99
62) Isopropylbenzene	14.70	105	977723	2.147	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	491927	2.406	ppbv	99
64) n-propylbenzene	15.61	120	256041m	2.160	ppbv	
65) tert-Butylbenzene	16.78	119	903840	2.270	ppbv	99
66) Benzyl Chloride	17.03	91	285850m	1.722	ppbv	
67) sec-Butylbenzene	17.34	105	1278952	2.317	ppbv	97
69) p-Isopropyltoluene	17.69	119	1045084	2.258	ppbv	99
70) n-Butylbenzene	18.60	91	1118091	2.368	ppbv	97
71) 2-Chlorotoluene	15.50	91	758782	2.200	ppbv	99
72) 4-Ethyltoluene	15.88	105	761698	2.142	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	742681	2.231	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	815438	2.377	ppbv	94
75) 1,3-Dichlorobenzene	17.04	146	455259	2.201	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	431333	2.090	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	432241	2.156	ppbv	98
78) Hexachloro-1,3-Butadiene	23.43	225	371440m	2.218	ppbv	
79) Naphthalene	22.27	128	596414	2.230	ppbv	98
80) Naphthalene, 2-methyl-	25.03	142	56363	0.806	ppbv	96
81) 1,2,4-Trichlorobenzene	22.00	180	377501m	2.221	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1222148

Ion Ratio Lower Upper

49 100

128 45.7 22.1 66.5

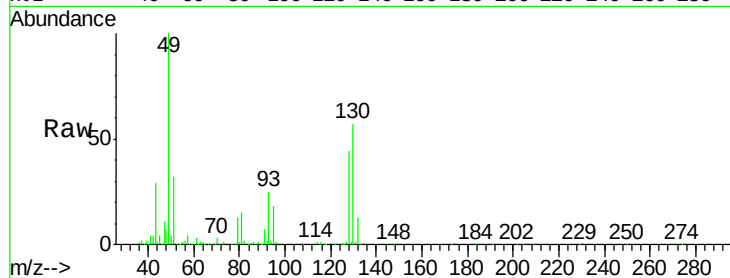
130 57.7 29.1 87.3

Manual Integrations

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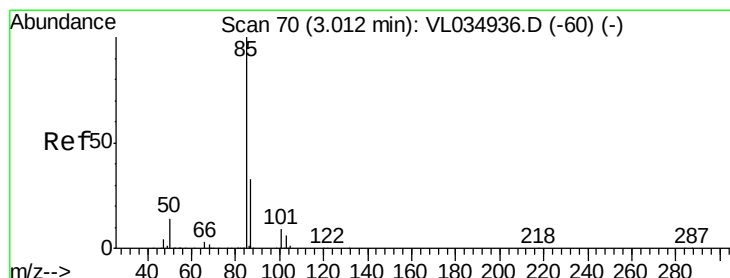
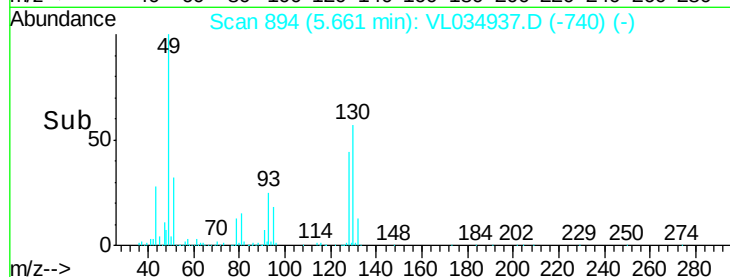
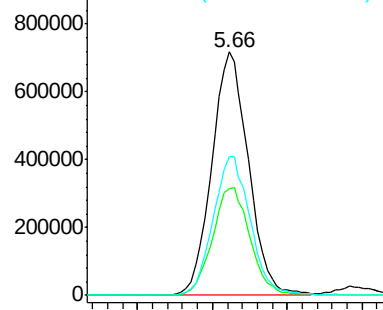
5/7/2020 2:29:29 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.979 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL034937.D

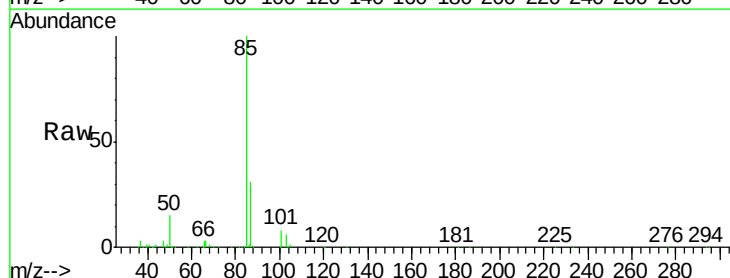
Acq: 6 May 2020 10:48

Tgt Ion: 85 Resp: 331121

Ion Ratio Lower Upper

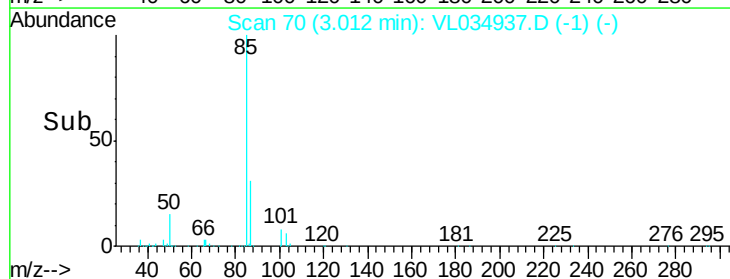
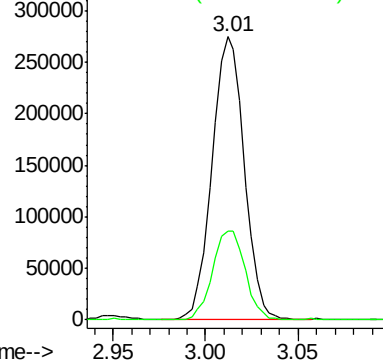
85 100

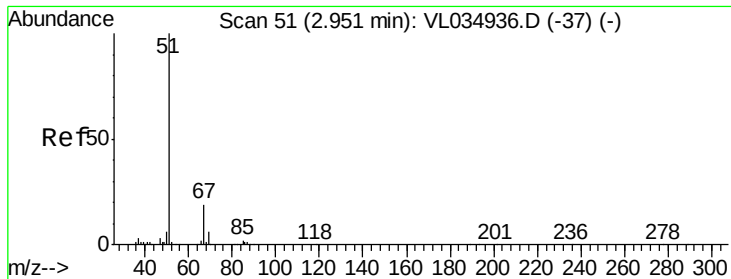
87 31.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

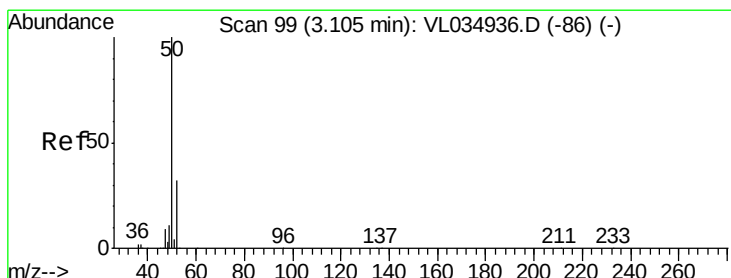
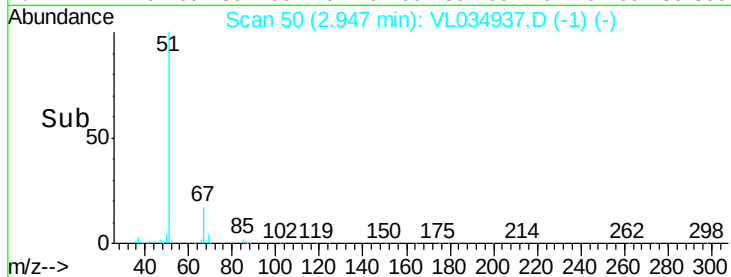
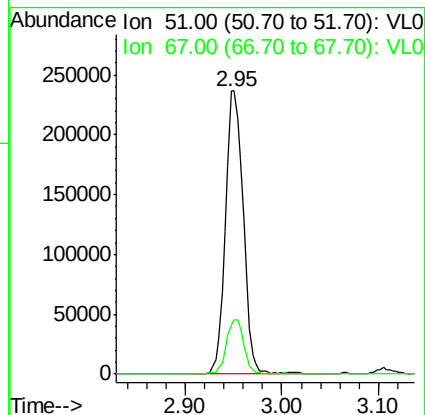
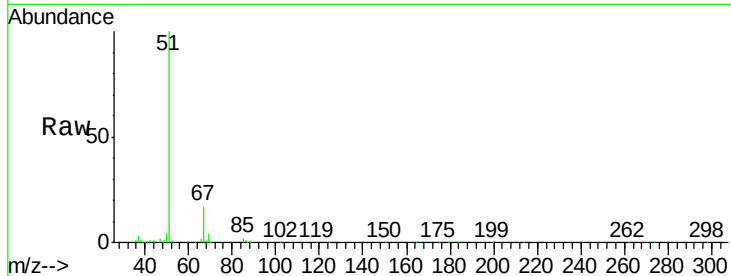
Chlorodifluoromethane
Concen: 2.219 ppbv
RT: 2.95 min Scan# 50
Delta R.T. -0.00 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
51	100		
67	18.7	15.0	22.6

Manual Integrations
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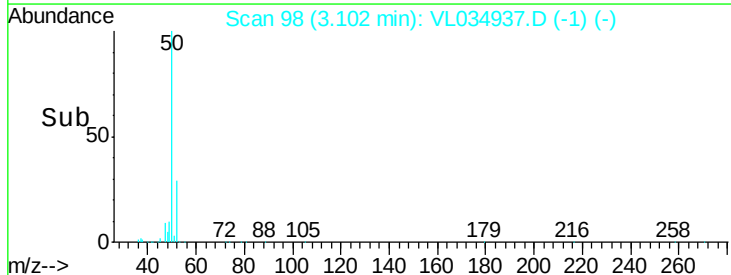
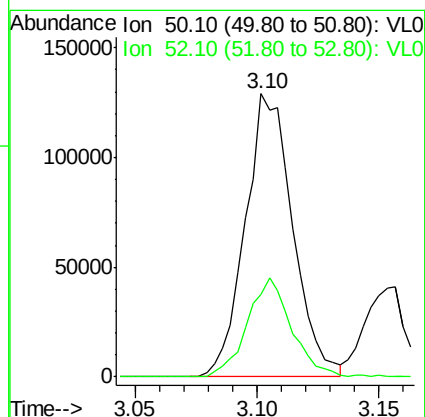
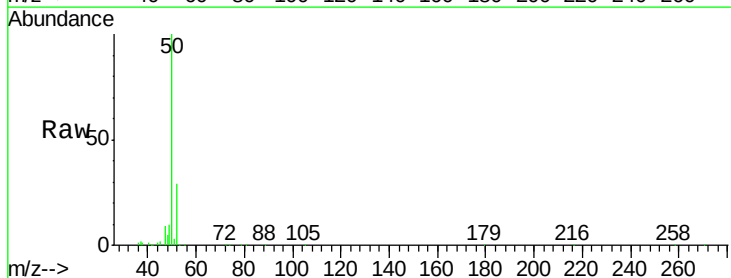
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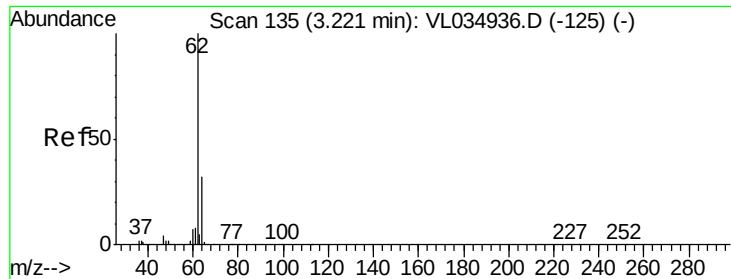


#4

Chloromethane
Concen: 2.254 ppbv
RT: 3.10 min Scan# 98
Delta R.T. -0.00 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
50	100		
52	29.3	25.4	38.2





#5

Vinyl Chloride

Concen: 2.266 ppbv

RT: 3.22 min Scan# 136

Delta R.T. 0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 168080

Ion Ratio Lower Upper

62 100

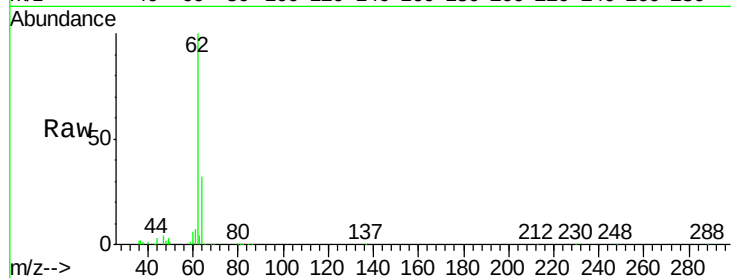
64 32.3 25.7 38.5

Manual Integrations

APPROVED

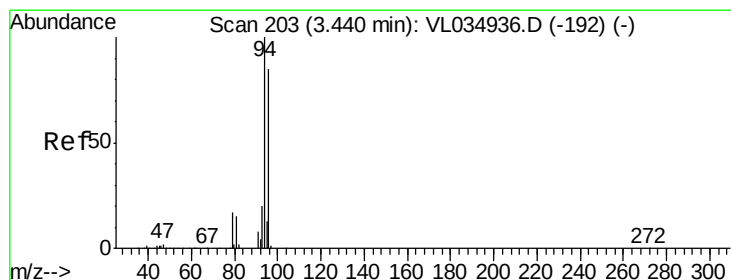
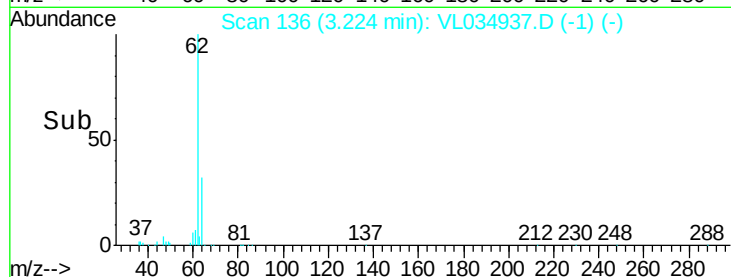
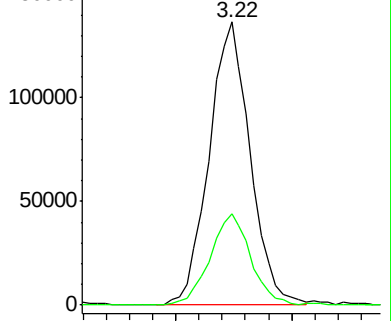
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 2.343 ppbv

RT: 3.45 min Scan# 205

Delta R.T. 0.01 min

Lab File: VL034937.D

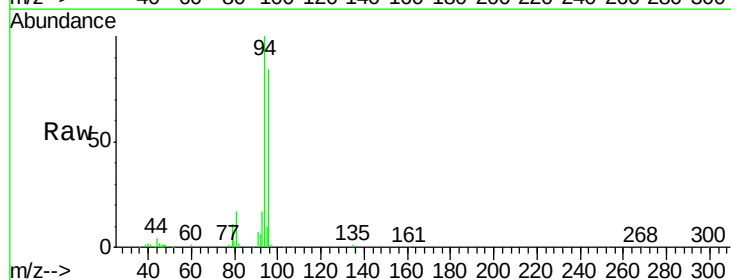
Acq: 6 May 2020 10:48

Tgt Ion: 94 Resp: 101167

Ion Ratio Lower Upper

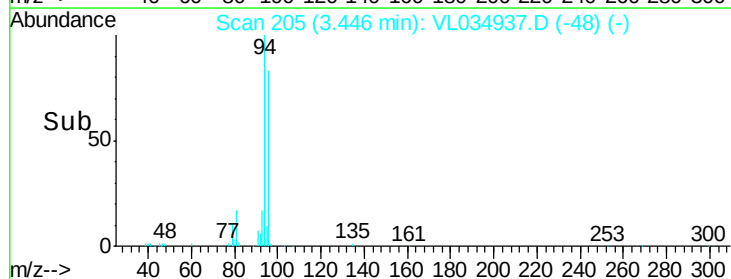
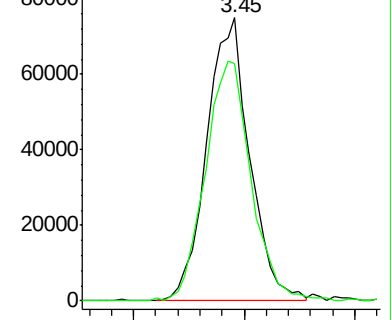
94 100

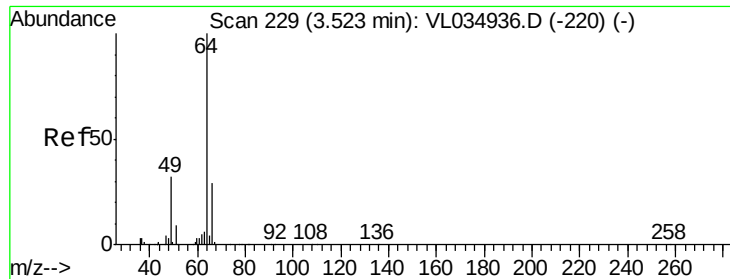
96 82.7 67.9 101.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 2.246 ppbv

RT: 3.53 min Scan# 231

Delta R.T. 0.01 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 60170

Ion Ratio Lower Upper

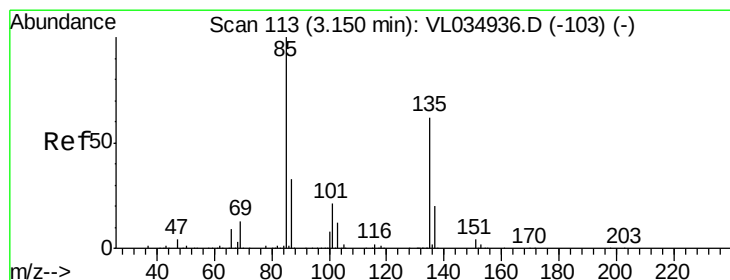
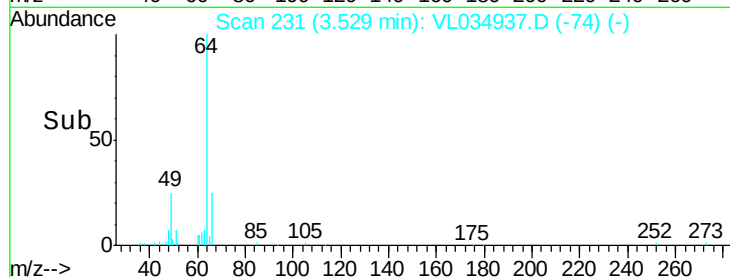
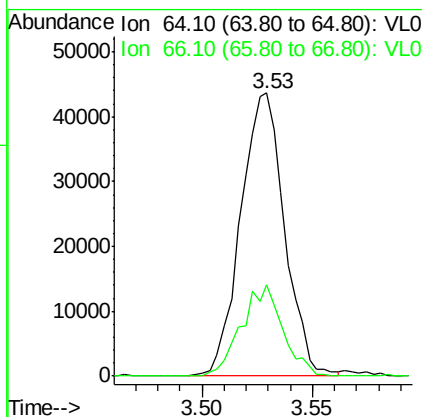
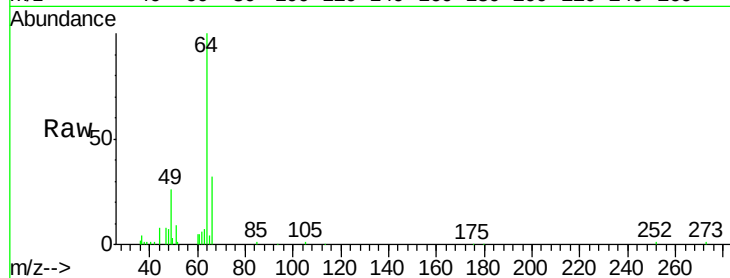
64 100

66 32.2 23.2 34.8

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 2.252 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL034937.D

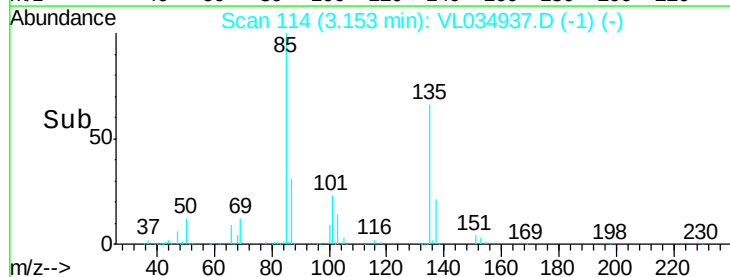
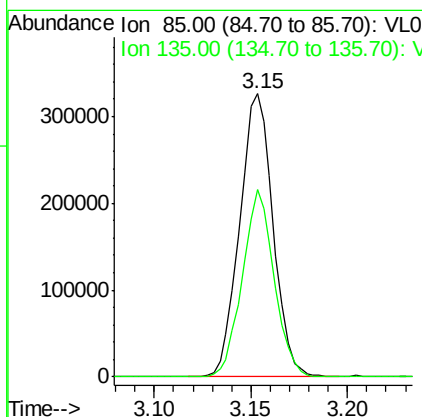
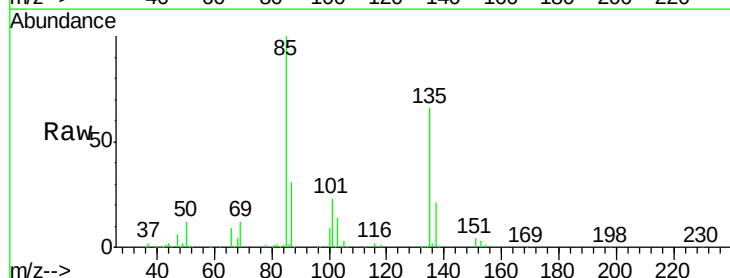
Acq: 6 May 2020 10:48

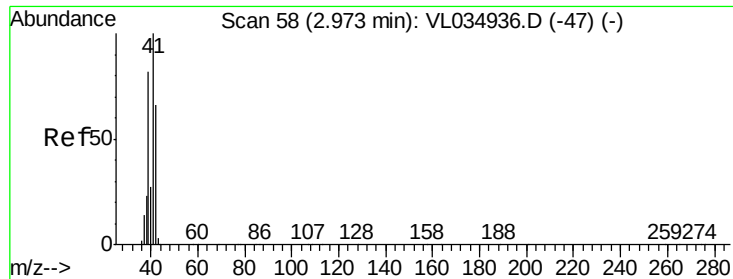
Tgt Ion: 85 Resp: 391360

Ion Ratio Lower Upper

85 100

135 63.0 50.9 76.3





#9

Propene

Concen: 2.010 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 131043

Ion Ratio Lower Upper

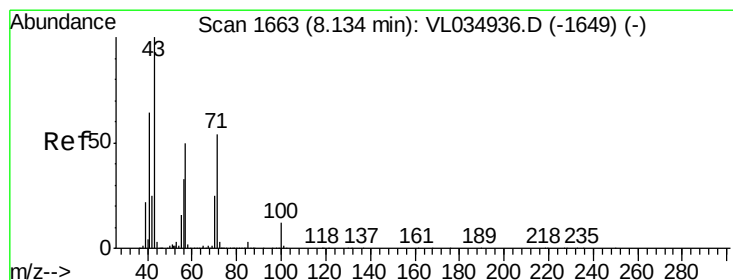
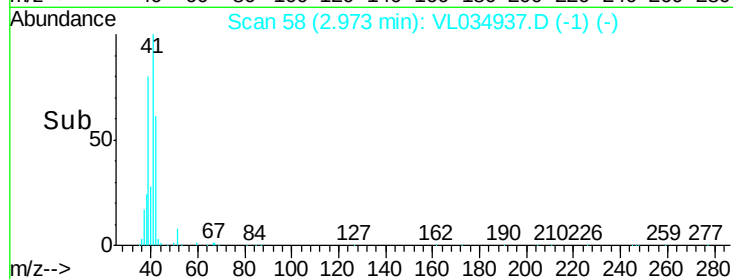
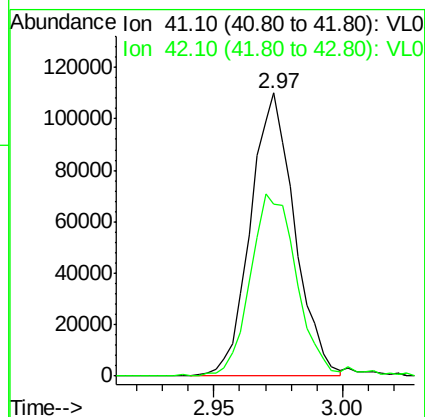
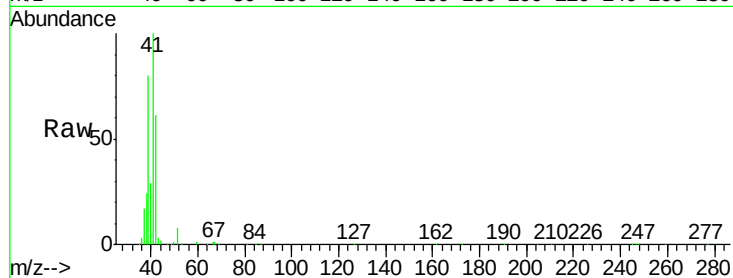
41 100

42 69.5 54.5 81.7

Manual Integrations
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#10

Heptane

Concen: 2.087 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL034937.D

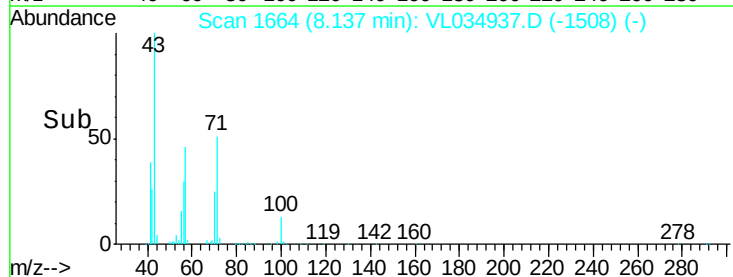
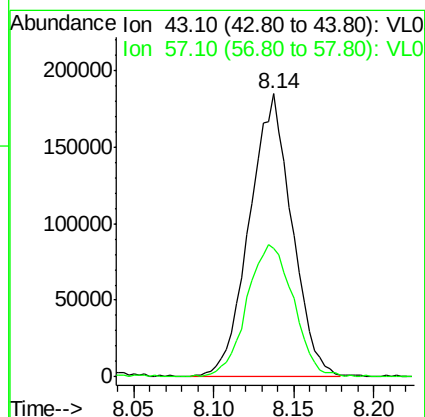
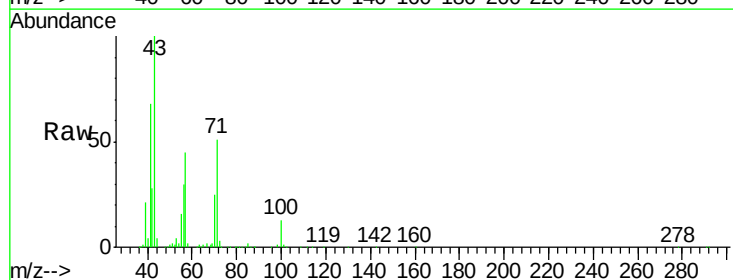
Acq: 6 May 2020 10:48

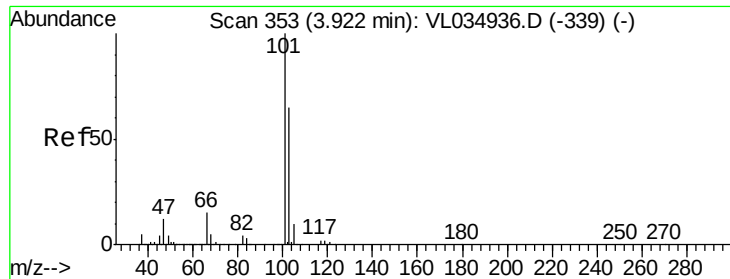
Tgt Ion: 43 Resp: 334814

Ion Ratio Lower Upper

43 100

57 51.5 41.1 61.7





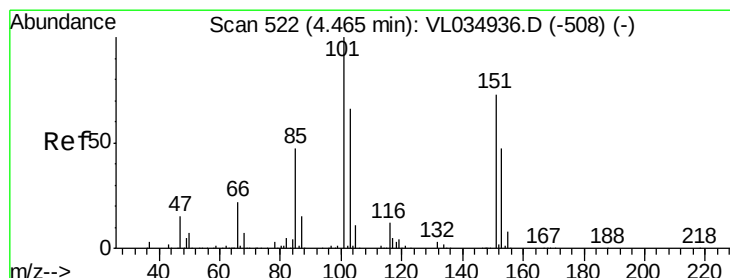
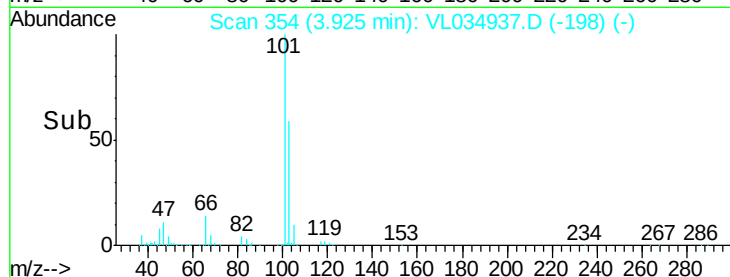
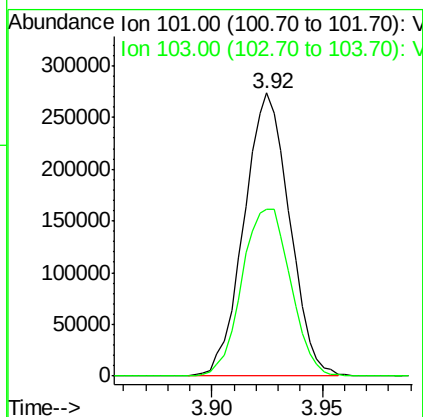
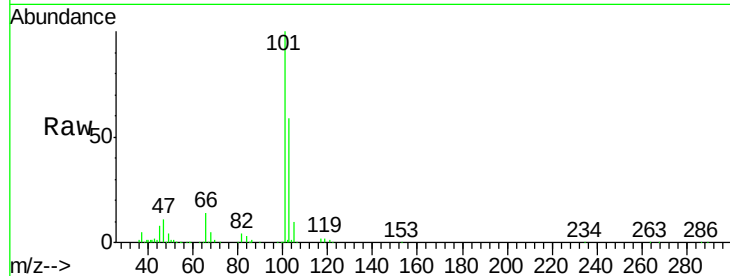
#11
 Trichlorofluoromethane
 Concen: 2.197 ppbv
 RT: 3.92 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.0	51.9	77.9

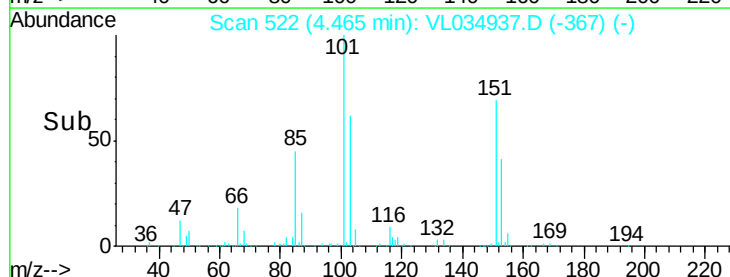
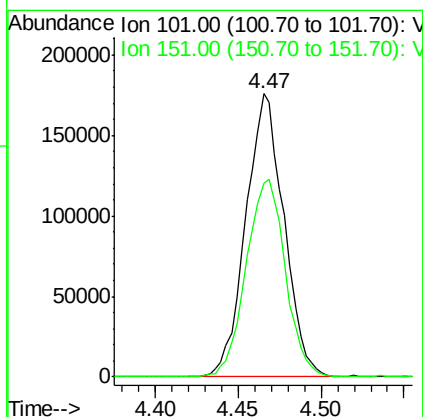
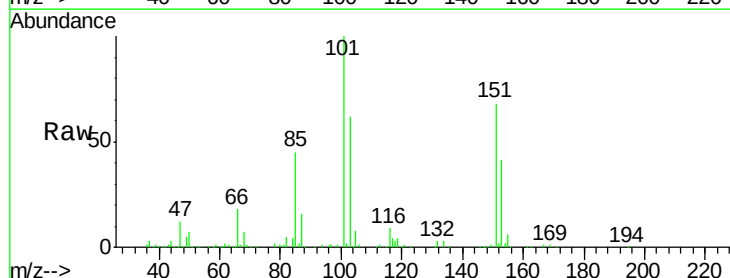
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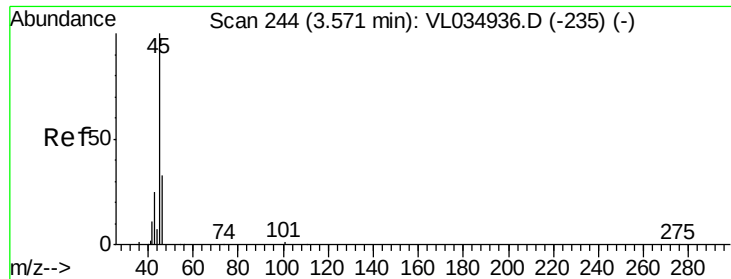
MMDadoda
 5/7/2020 2:29:29 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.257 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
101	100		
151	71.7	57.6	86.4





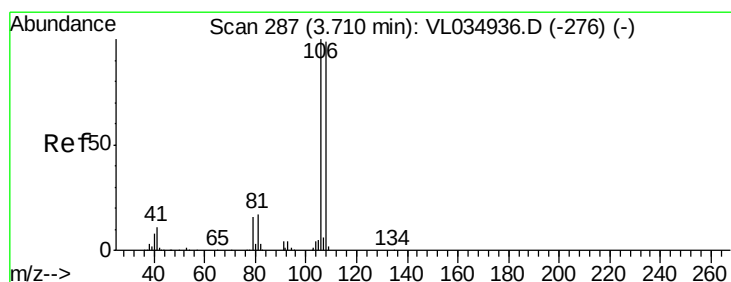
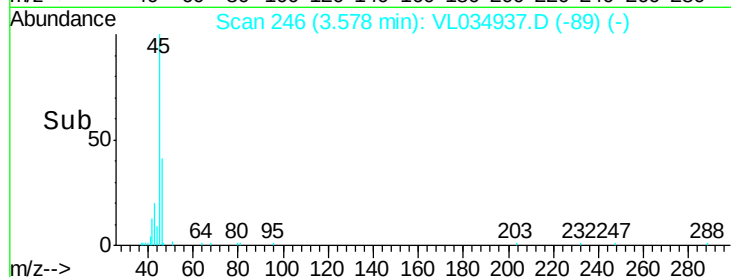
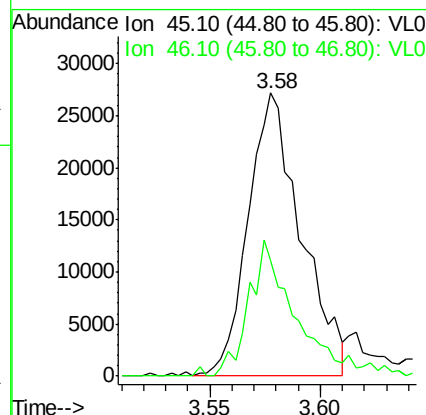
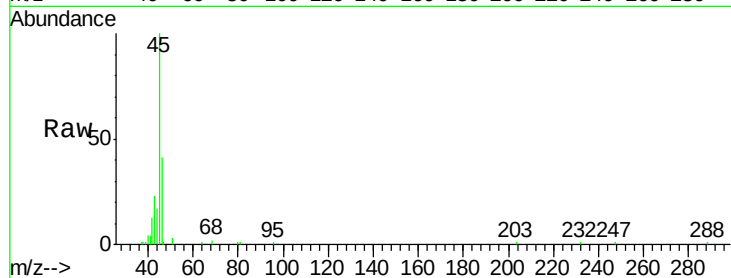
#13
Ethanol
Concen: 2.289 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.01 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	45	Resp	45359
Ion Ratio	100	Lower	Upper
46	44.1	14.3	57.3

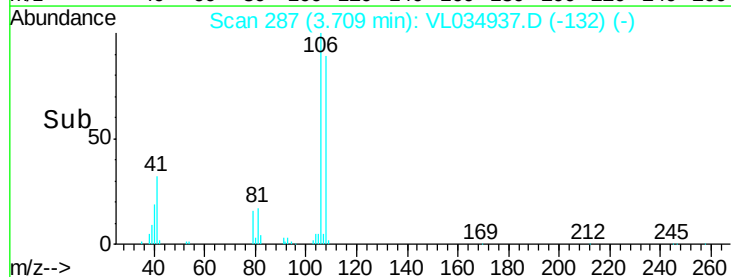
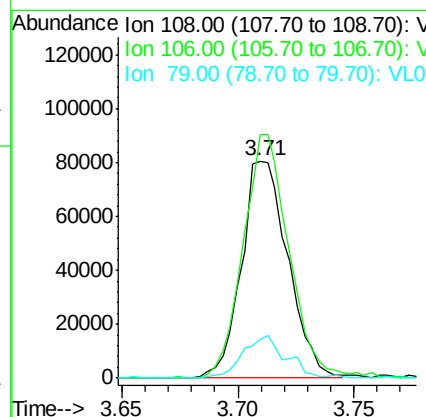
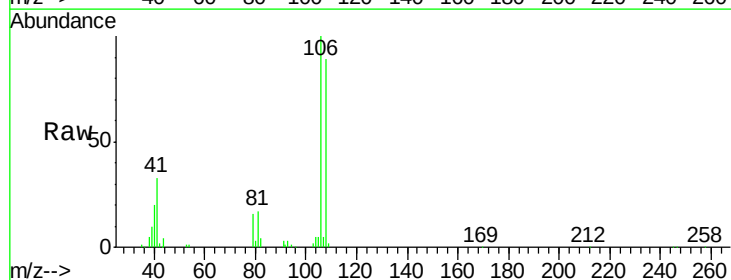
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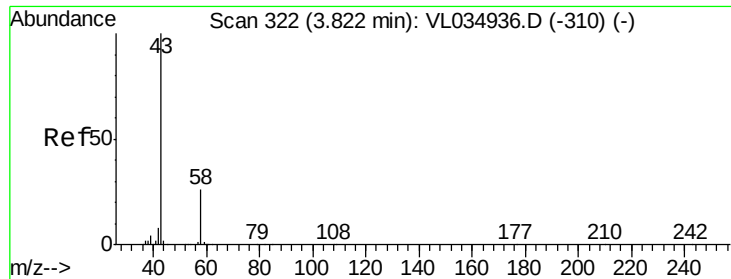
MMDadoda
5/7/2020 2:29:29 PM



#14
Bromoethene
Concen: 2.087 ppbv
RT: 3.71 min Scan# 287
Delta R.T. -0.00 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Tgt Ion	108	Resp	112314
Ion Ratio	100	Lower	Upper
106	111.9	84.9	127.3
79	18.4	14.1	21.1





#15

Acetone

Concen: 2.312 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 366184

Ion Ratio Lower Upper

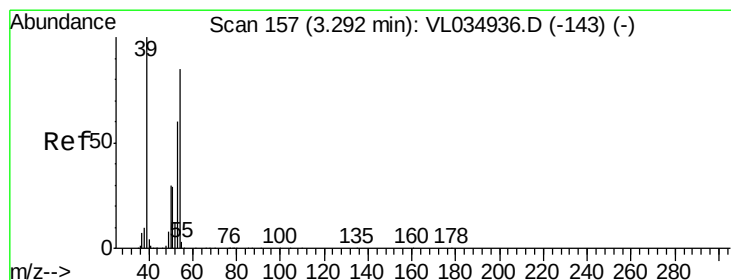
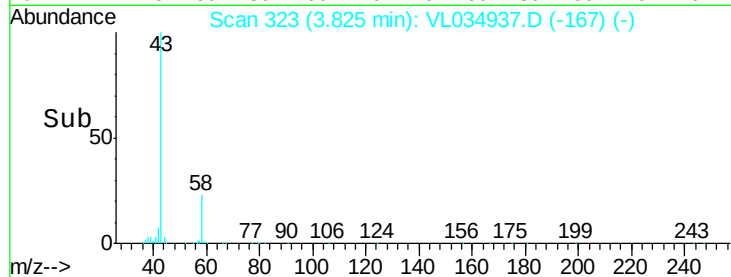
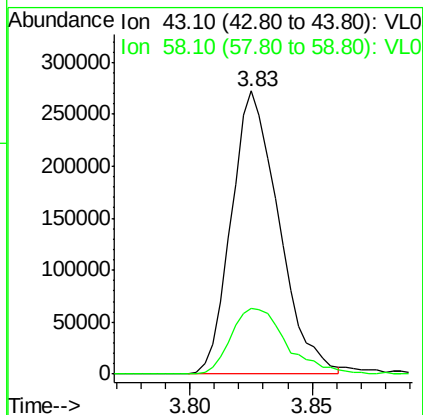
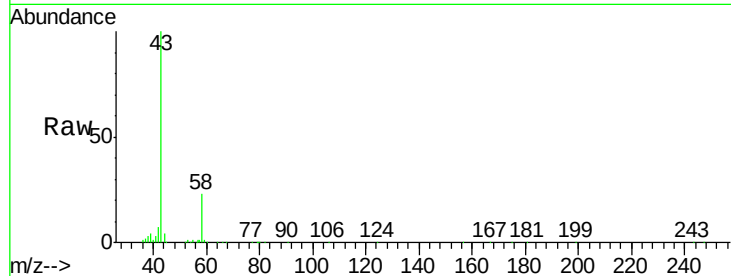
43 100

58 27.8 21.7 32.5

Manual Integrations
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#16

1,3-Butadiene

Concen: 2.181 ppbv

RT: 3.29 min Scan# 158

Delta R.T. 0.00 min

Lab File: VL034937.D

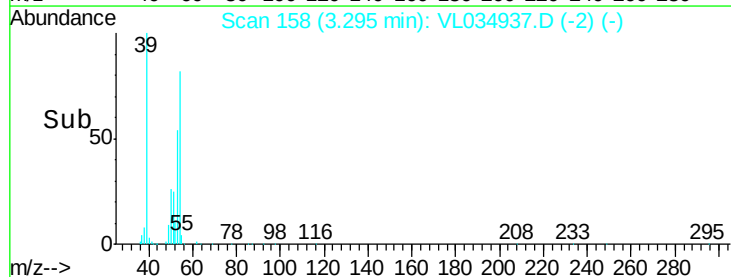
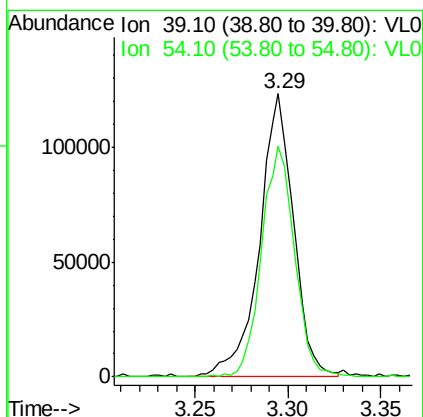
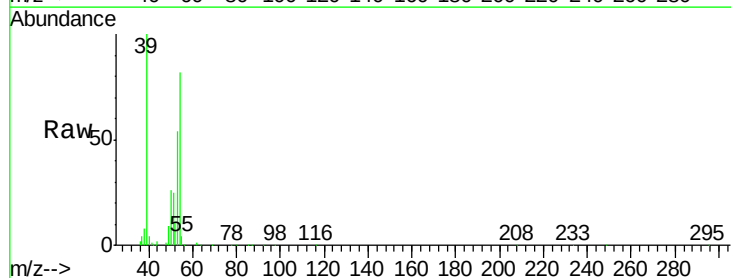
Acq: 6 May 2020 10:48

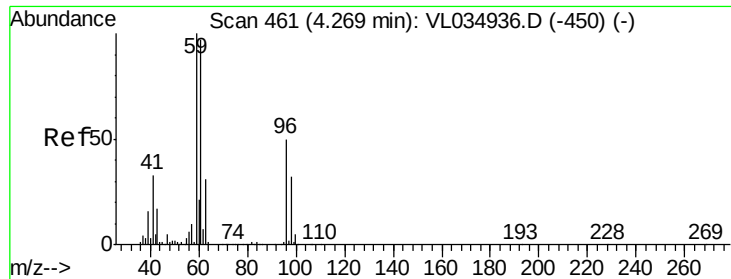
Tgt Ion: 39 Resp: 156214

Ion Ratio Lower Upper

39 100

54 79.8 66.6 100.0





#17

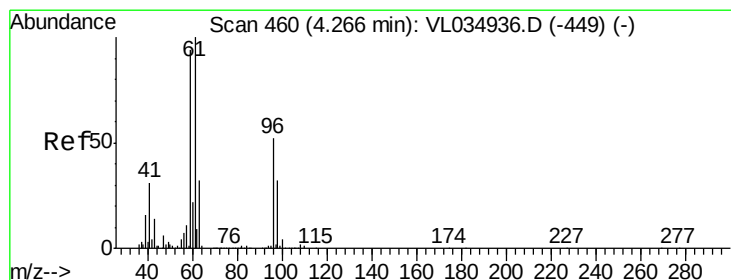
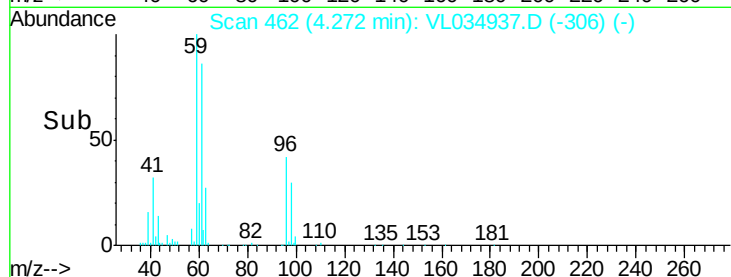
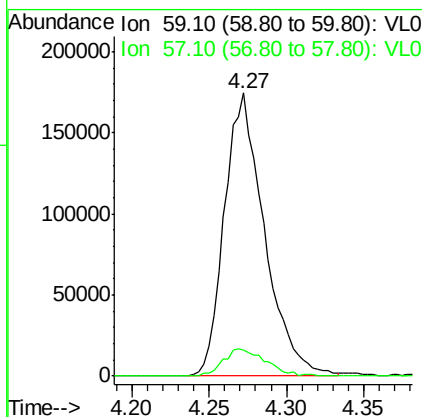
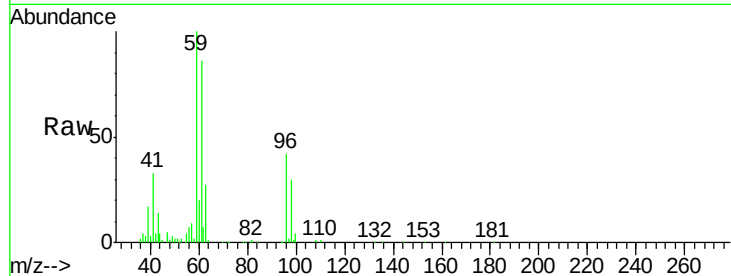
tert-Butyl alcohol
Concen: 2.054 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	59	Resp	313459
Ion Ratio	100	Lower	Upper
57	10.4	8.7	13.1

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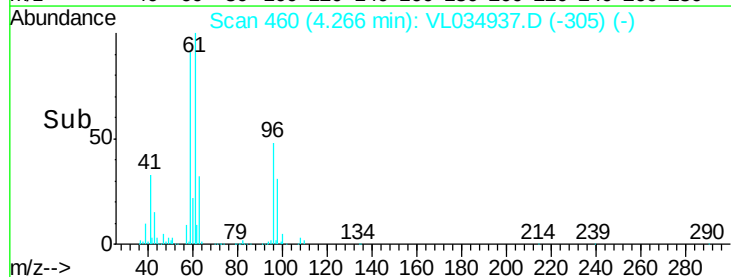
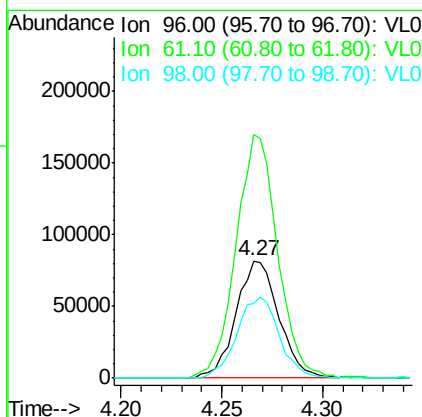
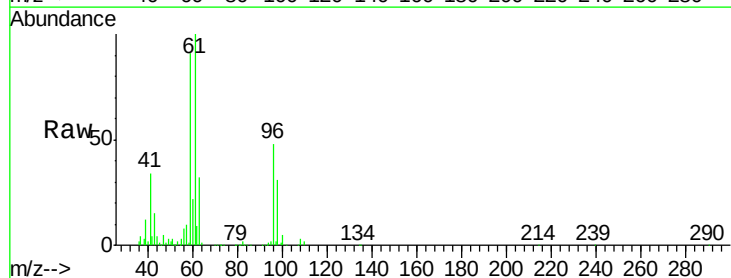
MMDadoda
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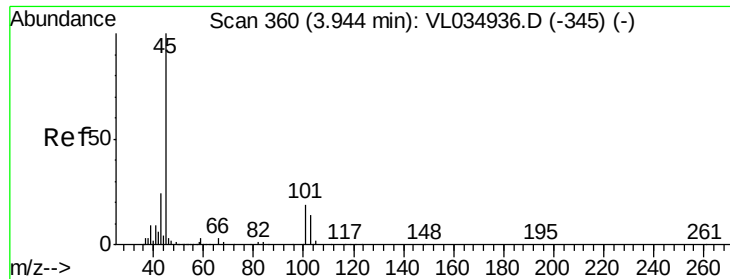


#18

1,1-Dichloroethene
Concen: 2.185 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Tgt Ion	96	Resp	120563
Ion Ratio	100	Lower	Upper
61	208.3	152.4	228.6
98	64.0	48.8	73.2





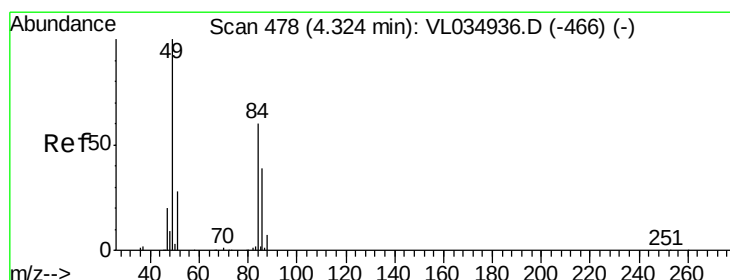
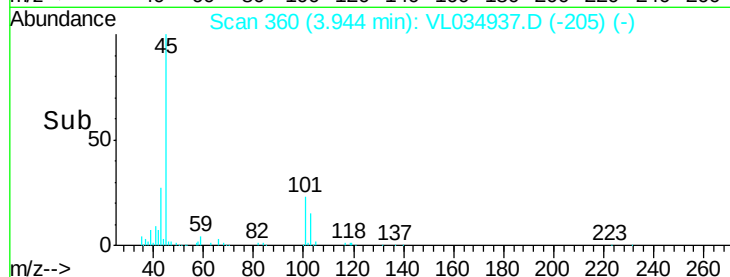
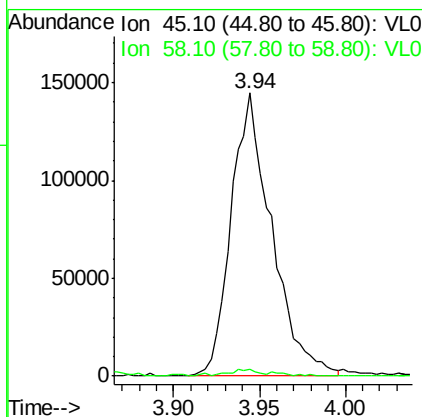
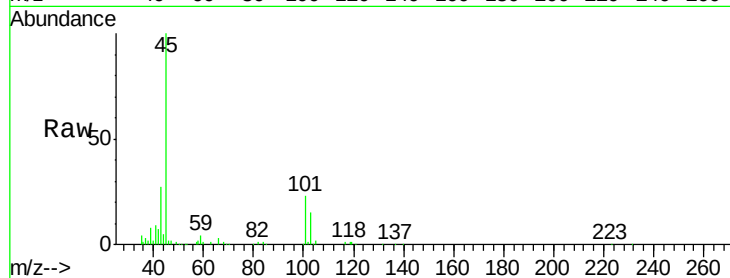
#19
Isopropyl Alcohol
Concen: 2.387 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.00 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 45 Resp: 238811
Ion Ratio Lower Upper
45 100
58 2.9 1.7 2.5#

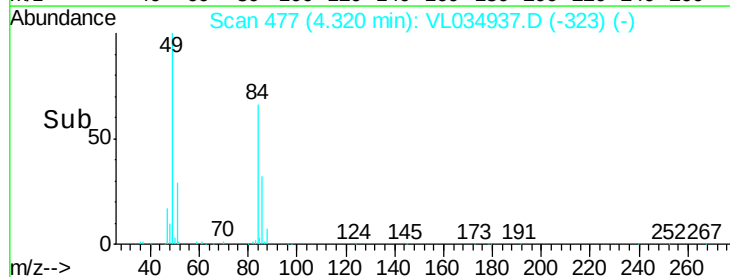
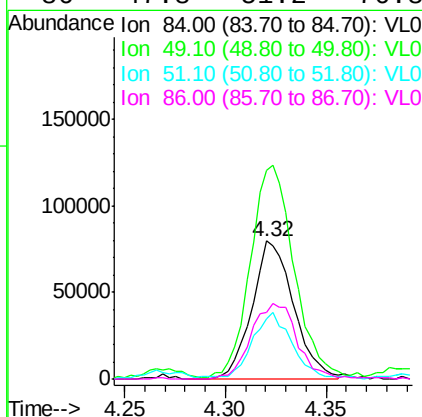
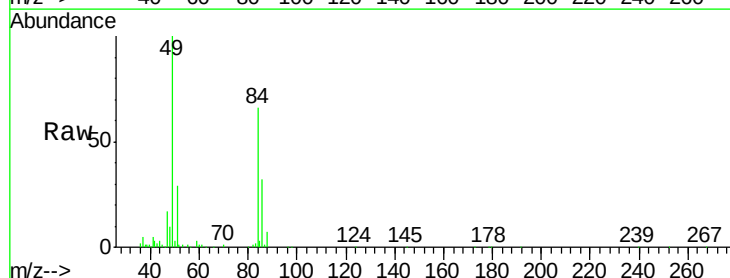
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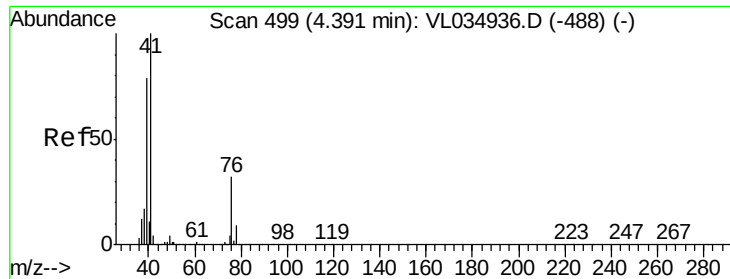
MMDadoda
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#20
Methylene Chloride
Concen: 2.300 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.00 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Tgt Ion: 84 Resp: 115208
Ion Ratio Lower Upper
84 100
49 148.4 132.5 198.7
51 42.4 38.4 57.6
86 47.8 51.2 76.8#





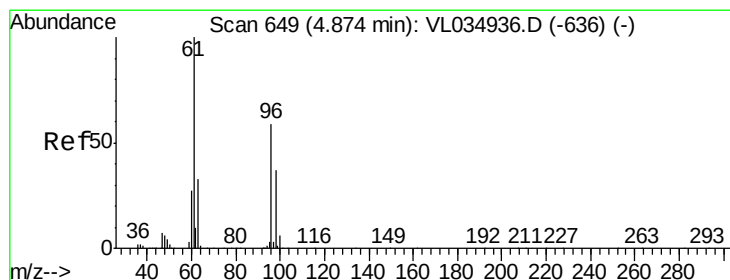
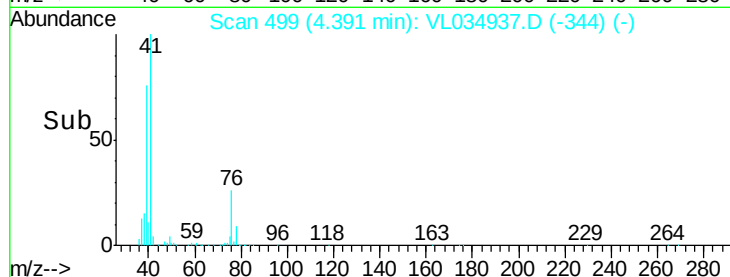
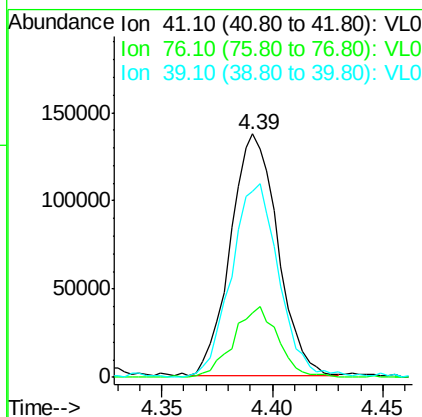
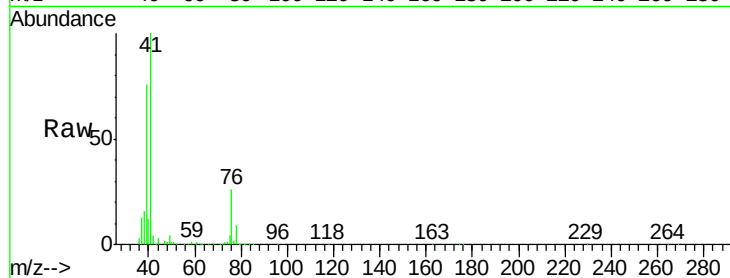
#21
Allvl Chloride
Concen: 1.991 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:	41	Resp:	202529
Ion Ratio		Lower	Upper
41	100		
76	28.0	23.6	35.4
39	81.7	61.9	92.9

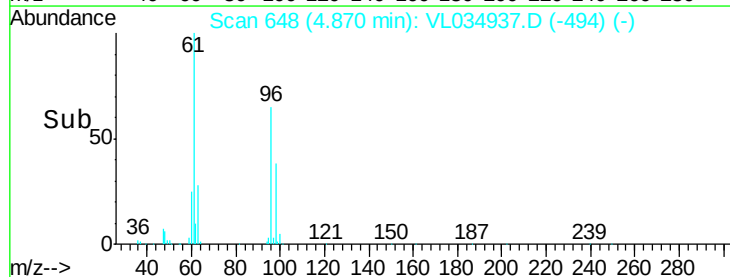
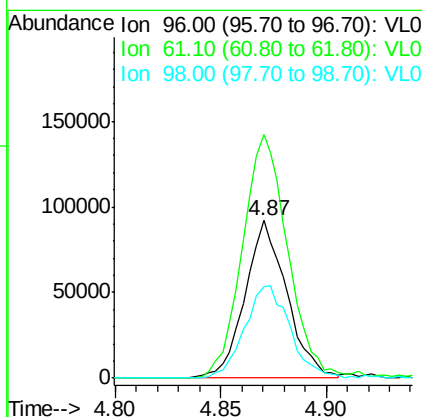
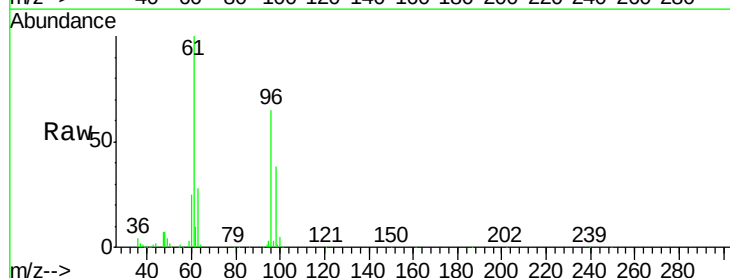
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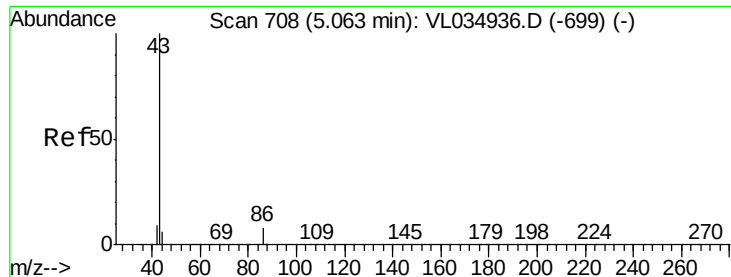
MMDadoda
5/7/2020 2:29:29 PM



#22
trans-1,2-Dichloroethene
Concen: 2.271 ppbv
RT: 4.87 min Scan# 648
Delta R.T. -0.00 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Tgt Ion:	96	Resp:	127170
Ion Ratio		Lower	Upper
96	100		
61	154.5	135.3	202.9
98	58.1	50.4	75.6





#23

Vinyl Acetate

Concen: 2.068 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.00 min

Lab File: VL034937.D

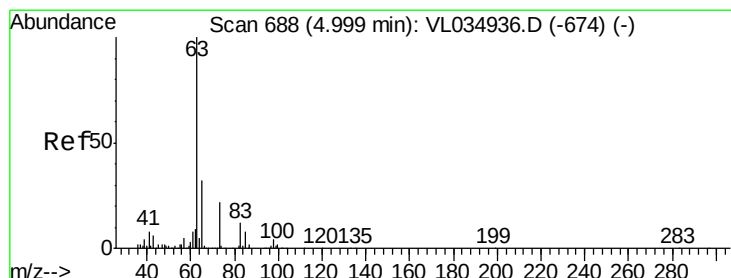
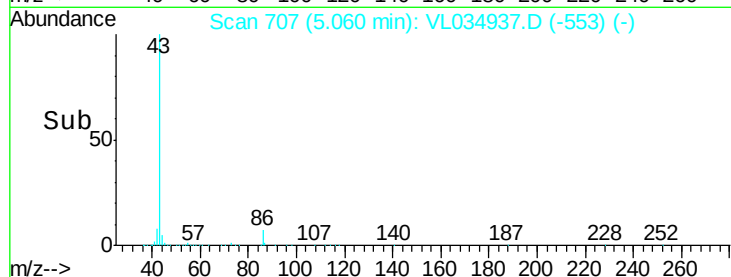
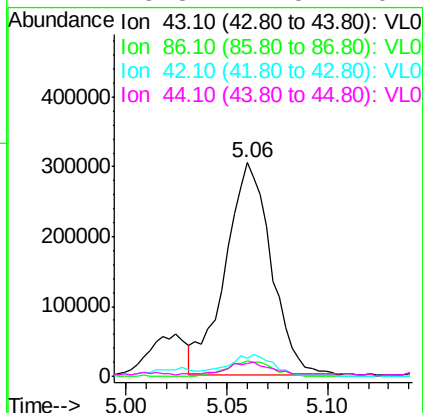
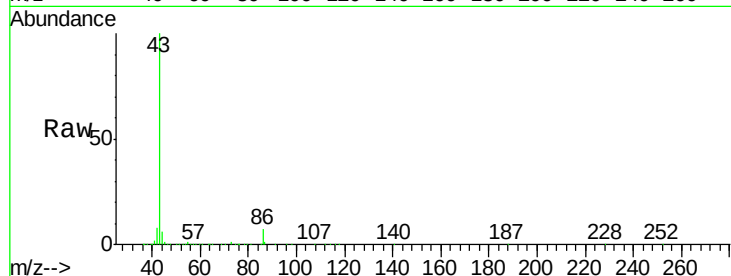
Acq: 6 May 2020 10:48

Tot Ion	43	Resp	483795
Ion Ratio	Lower	Upper	
43	100		
86	7.5	5.5	8.3
42	8.2	8.0	12.0
44	5.3	4.5	6.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 2.168 ppbv

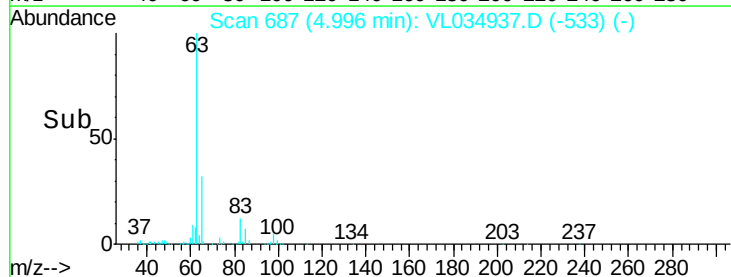
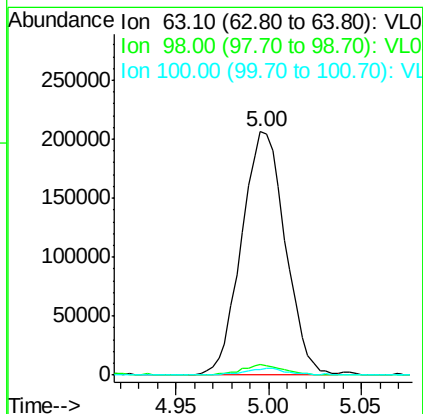
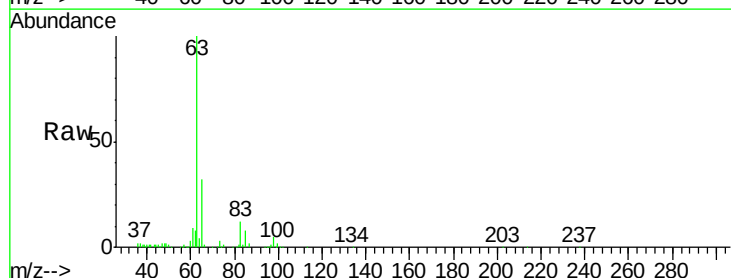
RT: 5.00 min Scan# 687

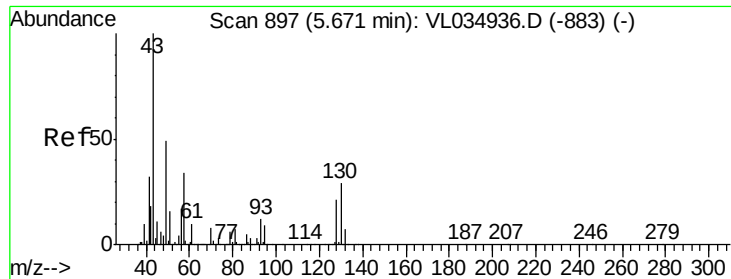
Delta R.T. -0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Tgt Ion	63	Resp	340077
Ion Ratio	Lower	Upper	
63	100		
98	4.5	2.0	6.0
100	2.3	1.1	3.5





#25

Ethyl Acetate

Concen: 2.118 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Instrument :

MSVOA_L

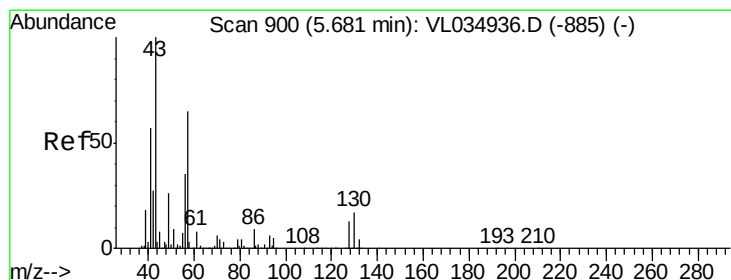
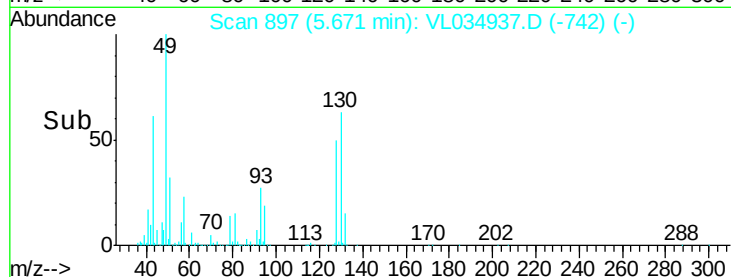
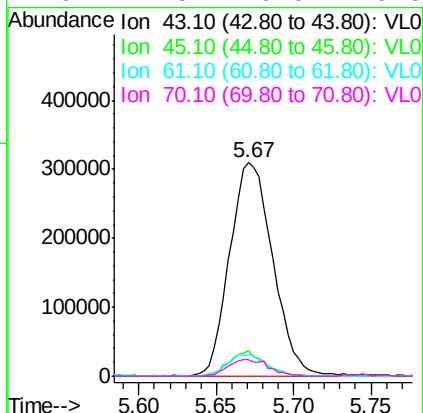
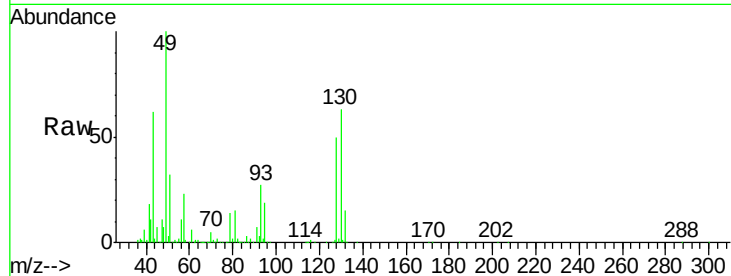
ClientSampleId :

VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		597735		
45	9.8	8.1	12.1		
61	9.2	7.8	11.8		
70	7.5	6.0	9.0		

Manual Integrations
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#26

Hexane

Concen: 2.112 ppbv

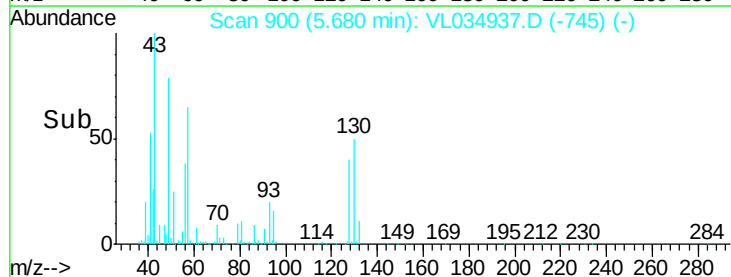
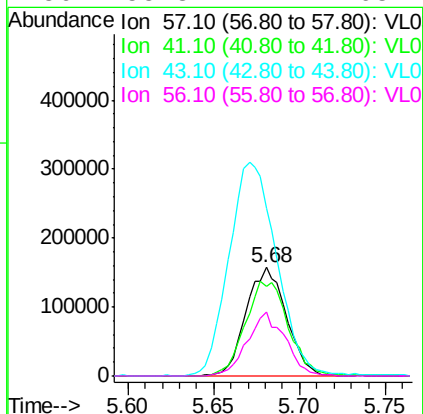
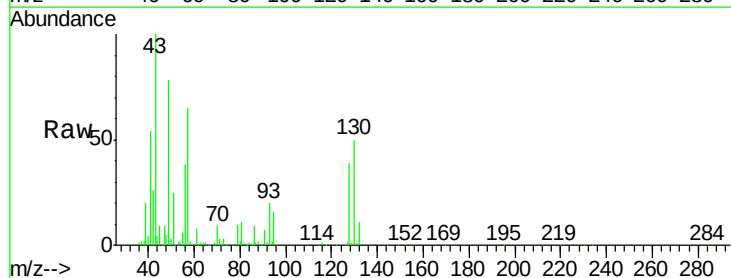
RT: 5.68 min Scan# 900

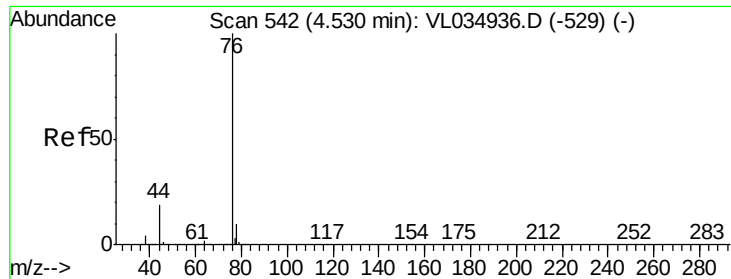
Delta R.T. -0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		256679		
41	94.4	72.7	109.1		
43	235.2	182.1	273.1		
56	55.3	42.2	63.2		





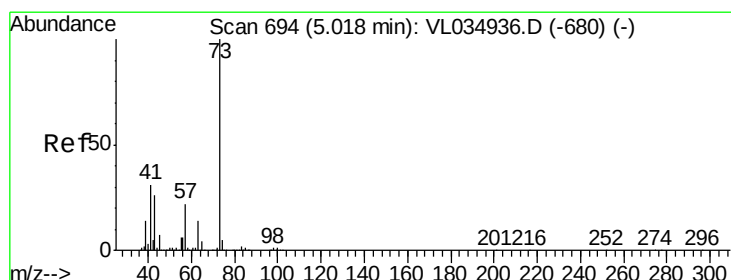
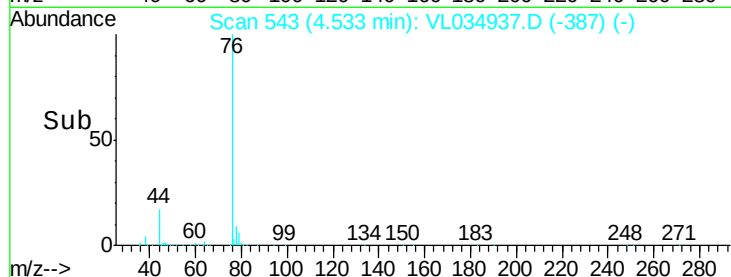
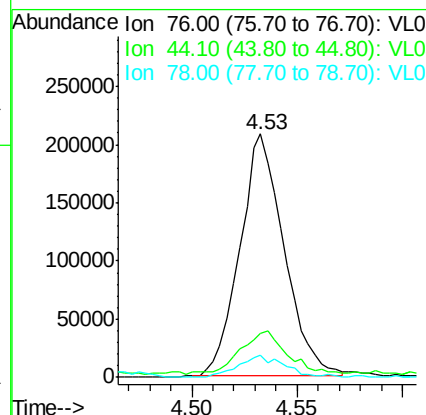
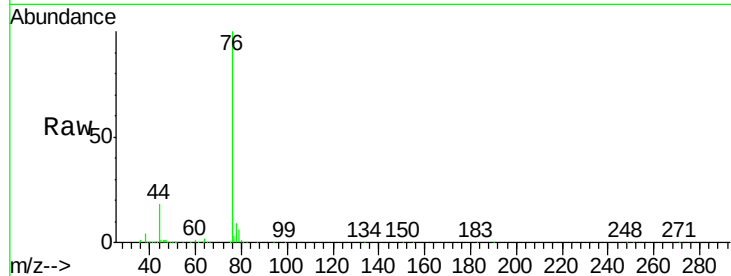
#27
Carbon Disulfide
Concen: 2.201 ppbv
RT: 4.53 min Scan# 543
Delta R.T. 0.00 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
76	100		
44	19.1	15.2	22.8
78	9.8	7.7	11.5

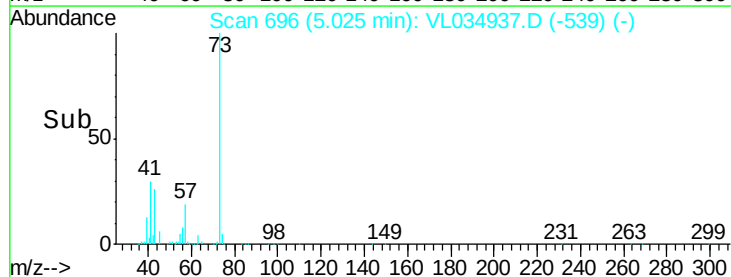
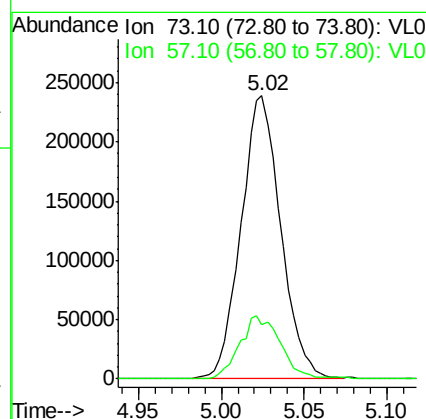
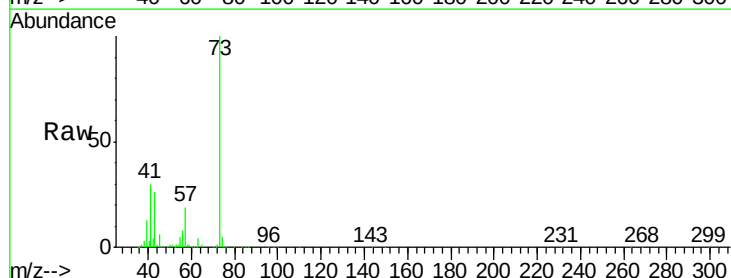
Manual Integrations
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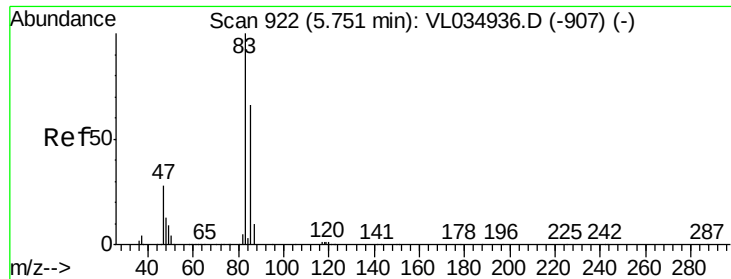
MMDadoda
5/7/2020 2:29:29 PM



#28
Methyl tert-Butyl Ether
Concen: 1.969 ppbv
RT: 5.02 min Scan# 696
Delta R.T. 0.01 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.3	27.5





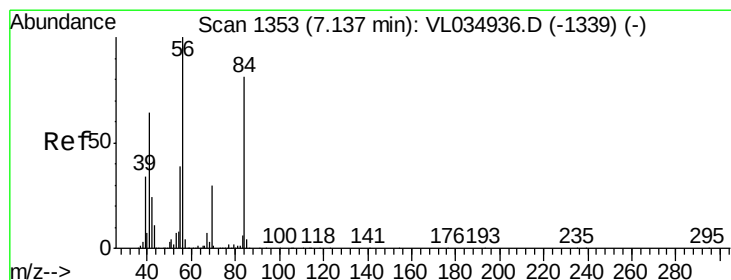
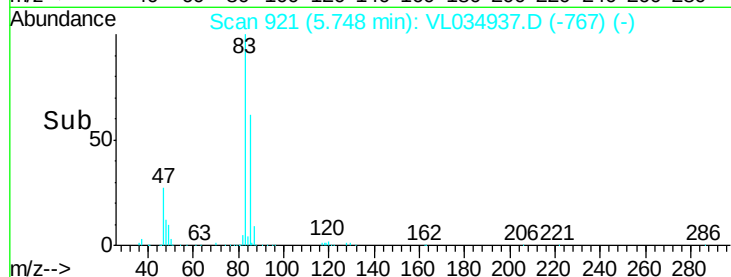
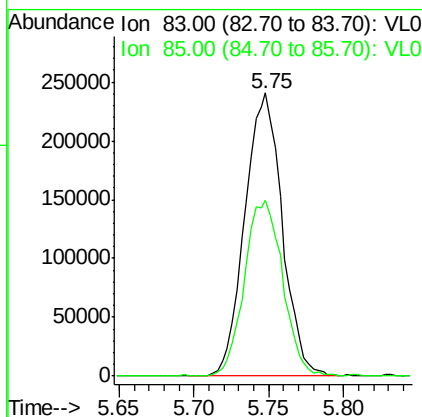
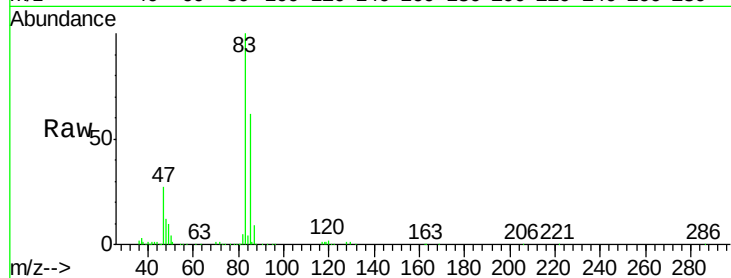
#29
Chloroform
Concen: 2.257 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	418453
Ion Ratio	100	Lower	Upper
83	100		
85	62.1	53.0	79.6

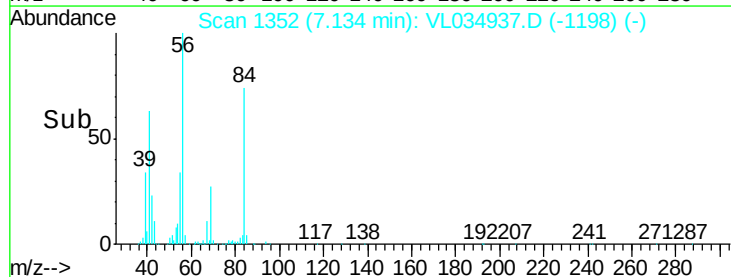
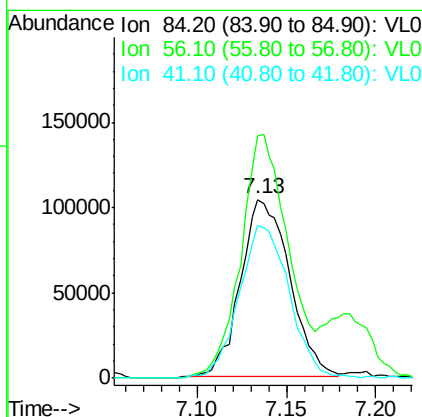
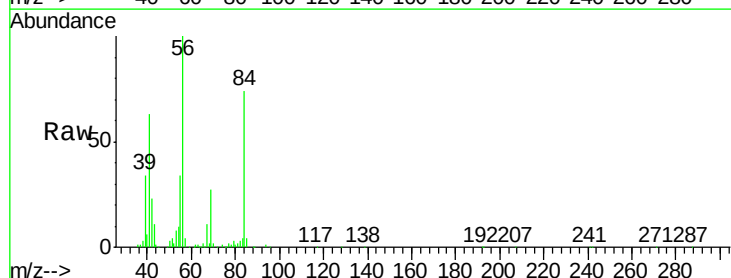
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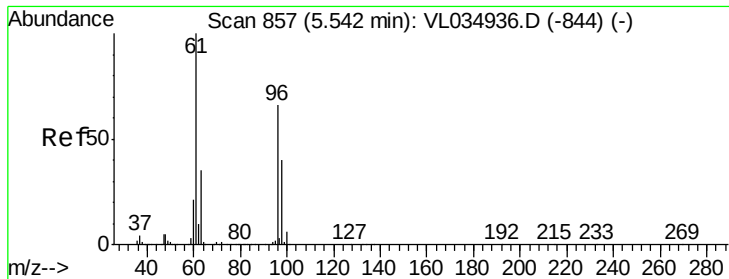
MMDadoda
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#30
Cyclohexane
Concen: 1.979 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Tgt Ion	84	Resp	200614
Ion Ratio	100	Lower	Upper
84	100		
56	167.8	111.4	167.2#
41	88.2	66.7	100.1





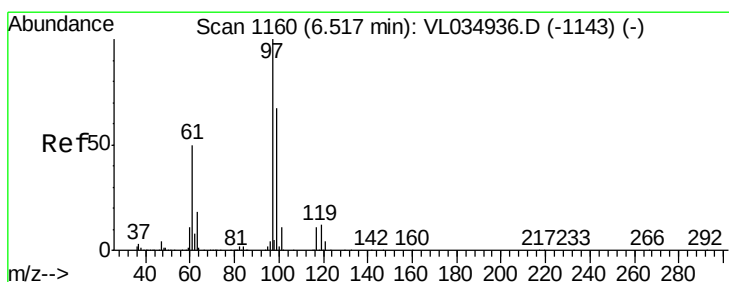
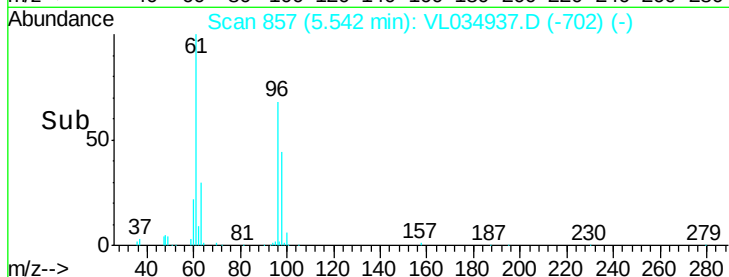
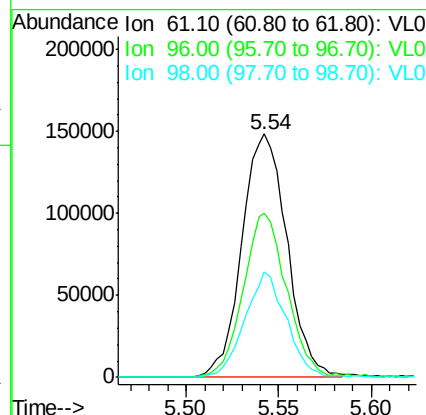
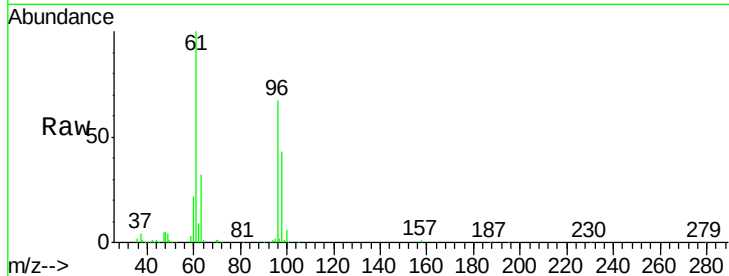
#31
 cis-1,2-Dichloroethene
 Concen: 2.024 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.3	53.0	79.6
98	43.3	32.2	48.2

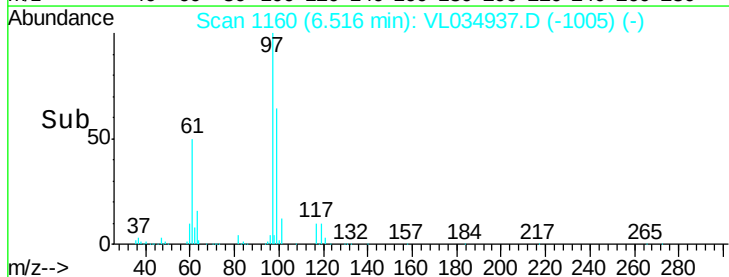
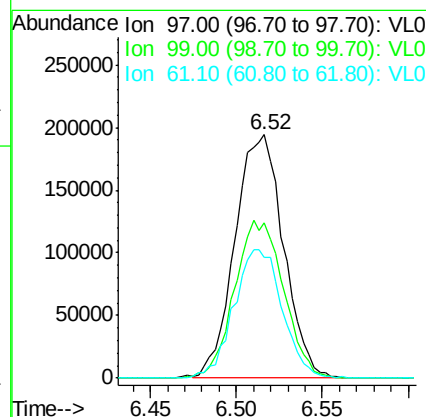
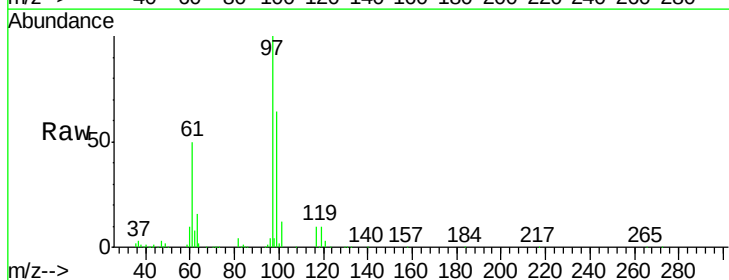
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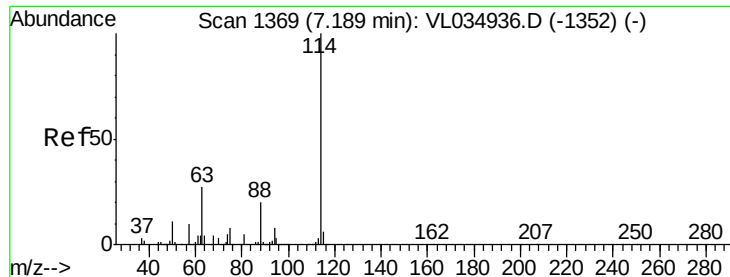
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#32
 1,1,1-Trichloroethane
 Concen: 2.098 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.1	78.1
61	53.1	41.8	62.8





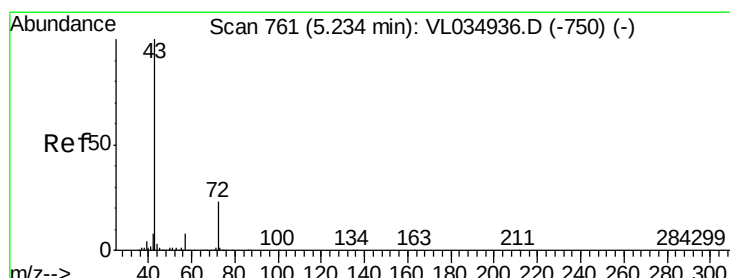
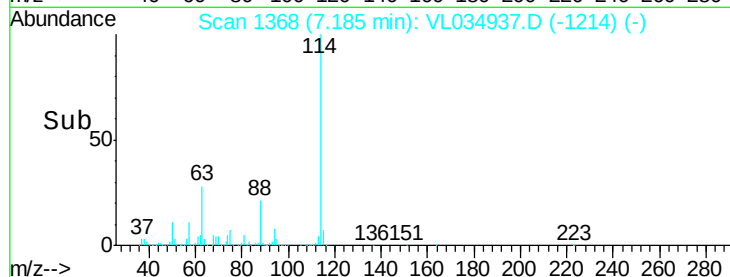
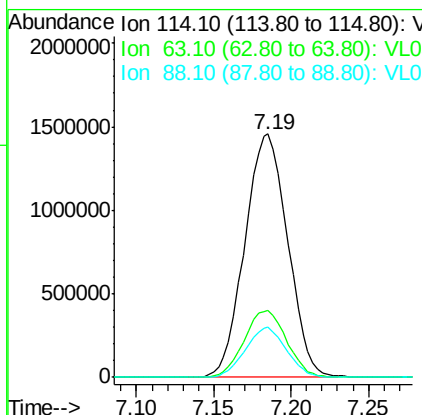
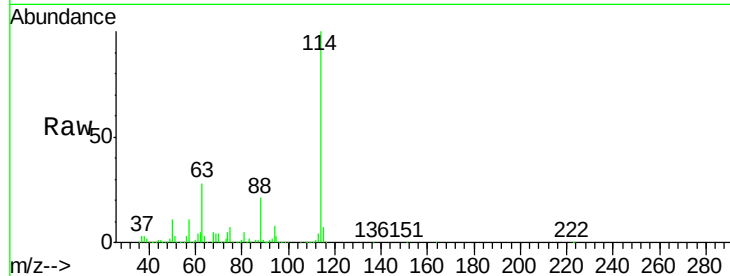
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.2	33.4
88	19.7	15.5	23.3

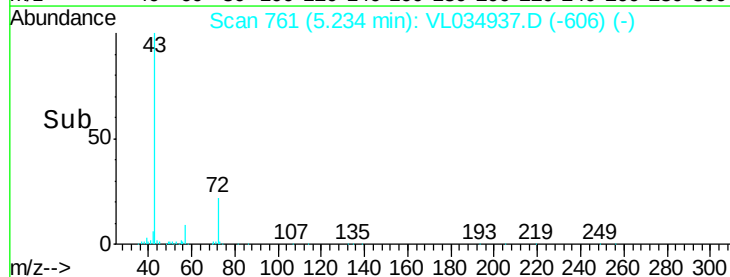
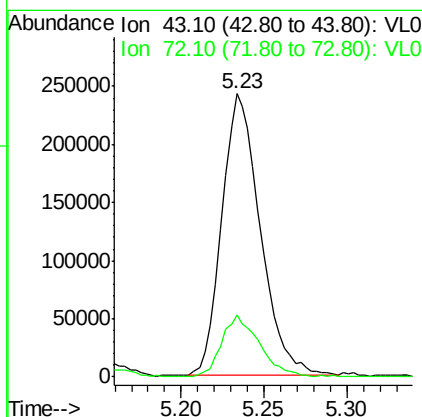
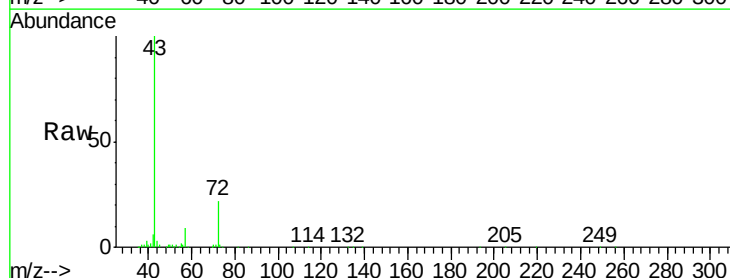
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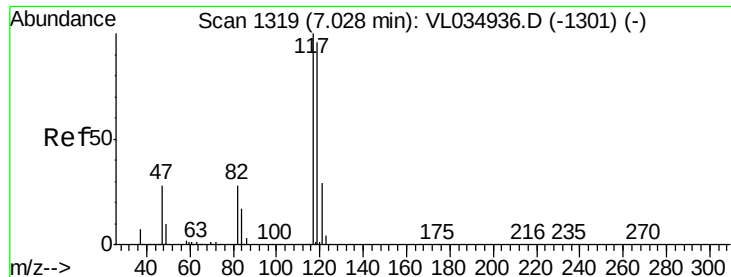
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#34
 2-Butanone
 Concen: 2.096 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.7	18.0	27.0





#35

Carbon Tetrachloride

Concen: 2.243 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Instrument :

MSVOA_L

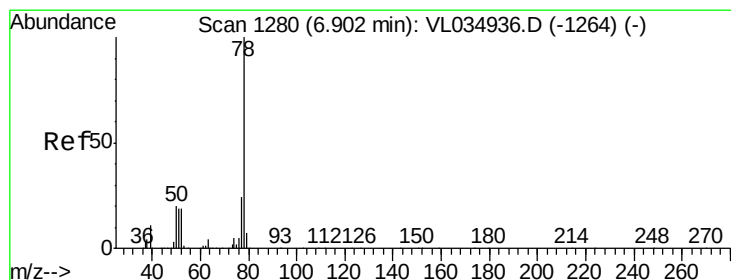
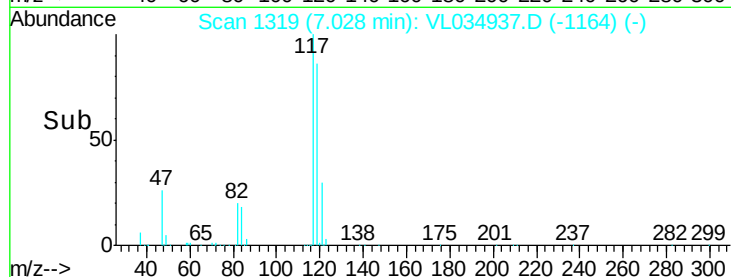
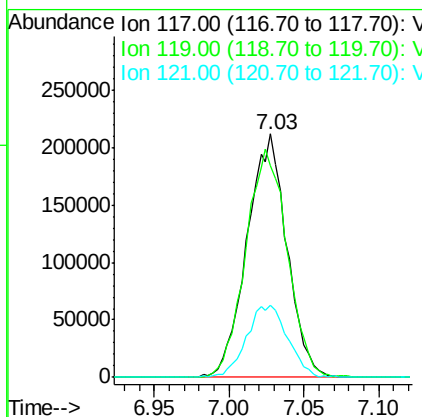
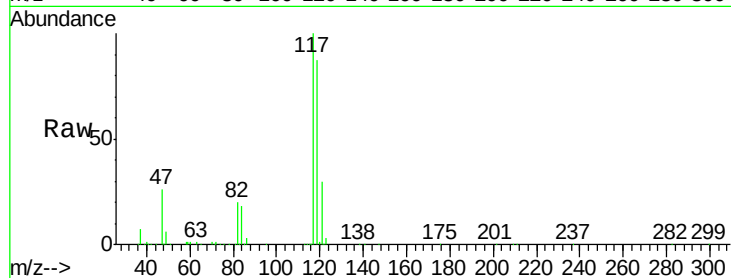
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	392173
Ion Ratio	Lower	Upper	
117	100		
119	86.7	77.0	115.6
121	29.6	23.0	34.6

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#36

Benzene

Concen: 2.101 ppbv

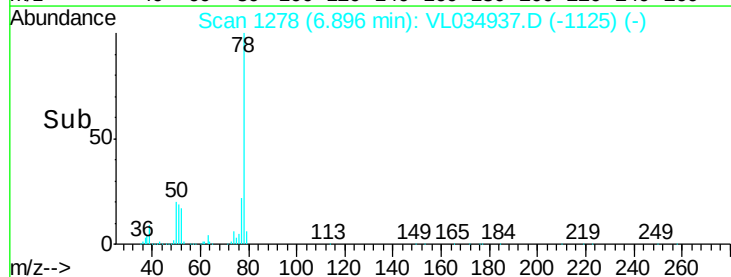
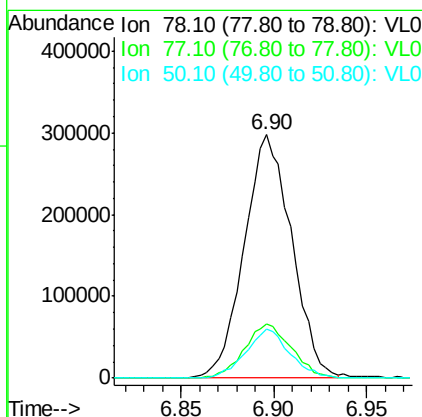
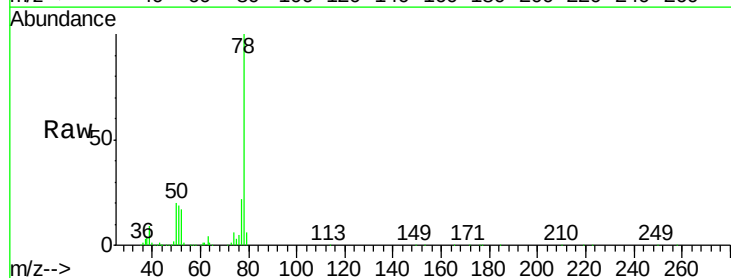
RT: 6.90 min Scan# 1278

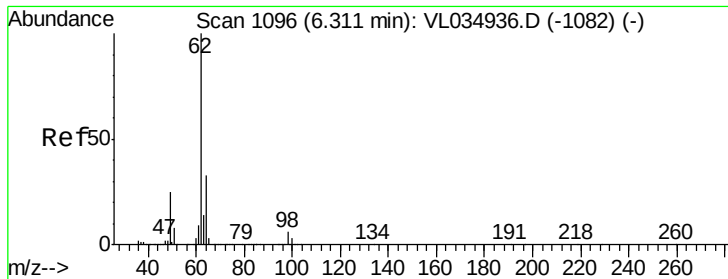
Delta R.T. -0.01 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Tgt Ion:	78	Resp:	526286
Ion Ratio	Lower	Upper	
78	100		
77	22.2	19.0	28.6
50	20.3	15.8	23.8





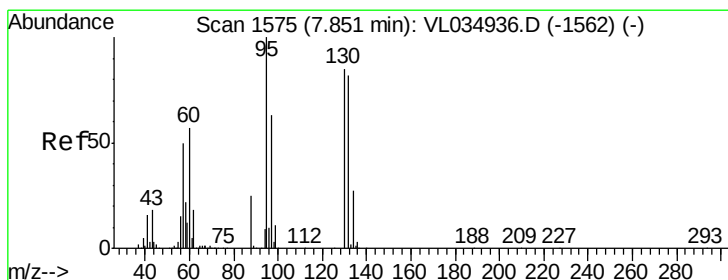
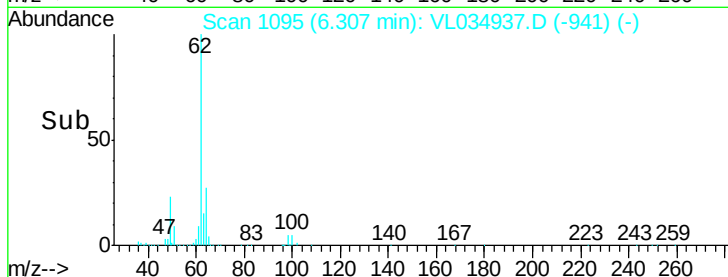
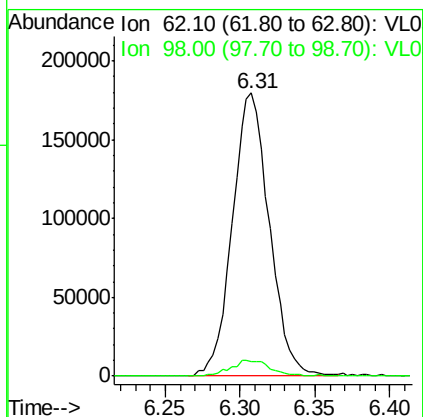
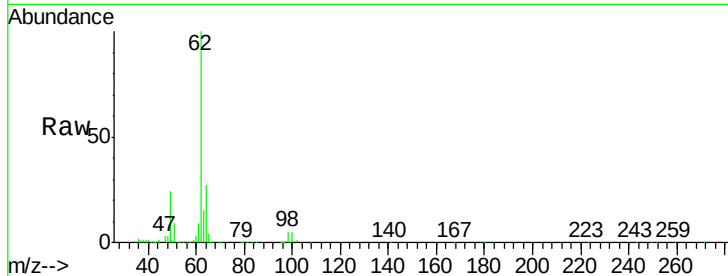
#37
 1,2-Dichloroethane
 Concen: 2.179 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	307795		
98	6.0		4.8	7.2

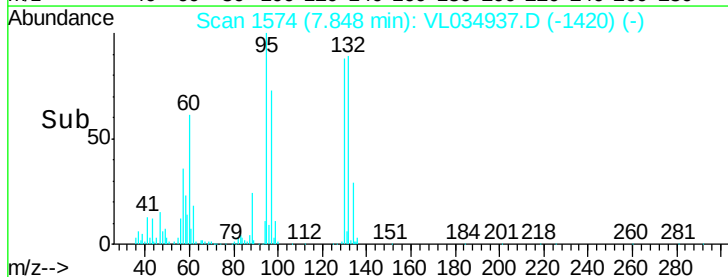
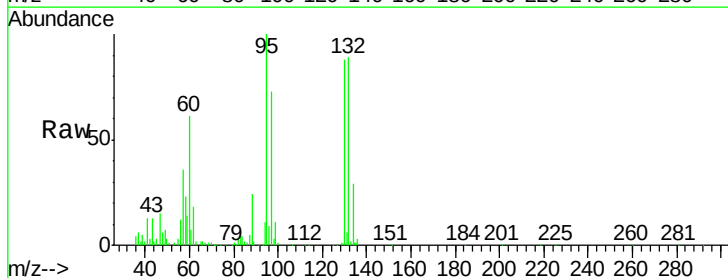
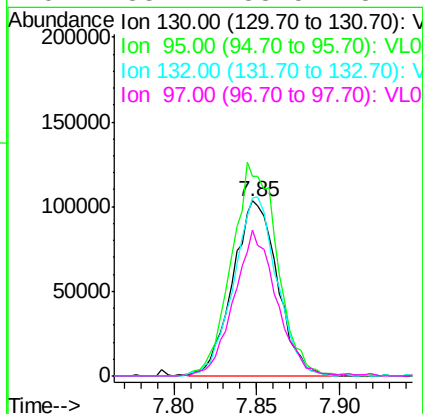
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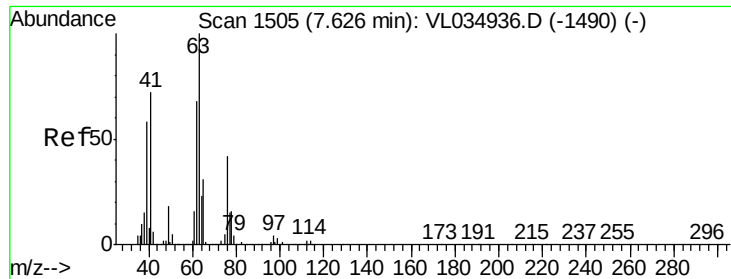
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#38
 Trichloroethene
 Concen: 2.040 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	194097		
95	113.0		93.4	140.0
132	100.9		76.4	114.6
97	83.1		58.5	87.7





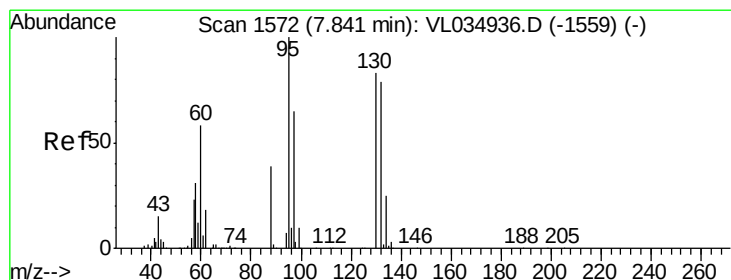
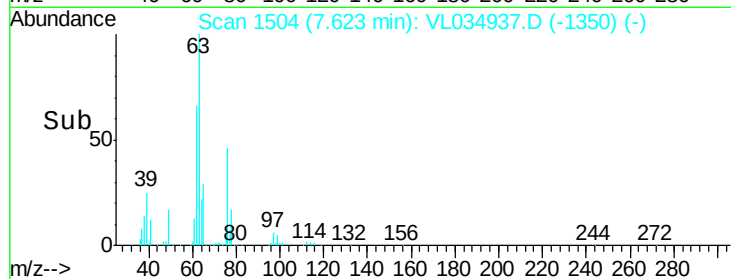
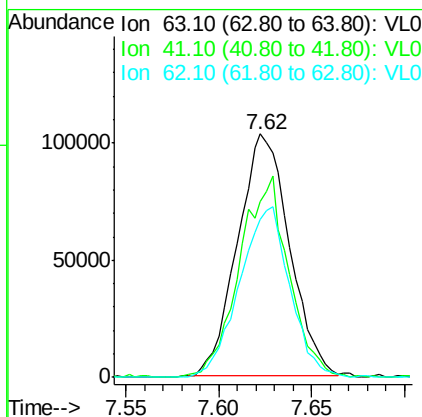
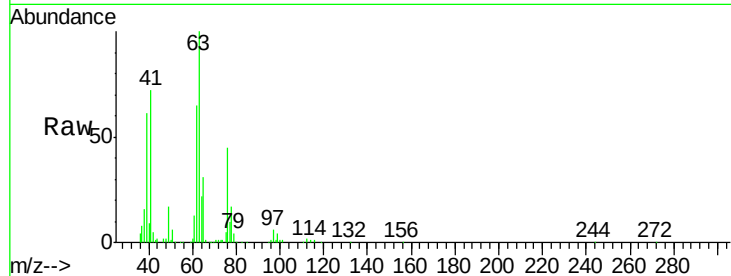
#39
 1,2-Dichloropropane
 Concen: 2.019 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. -0.00 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
63	100	200394		
41	71.8		57.8	86.8
62	64.8		54.2	81.2

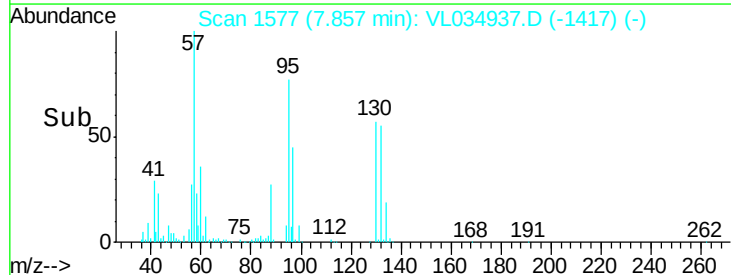
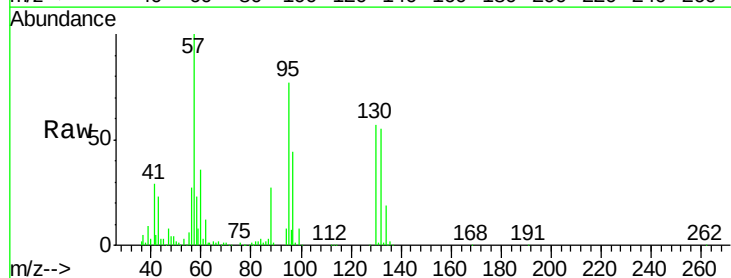
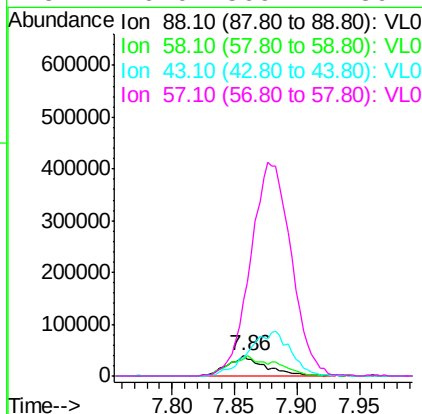
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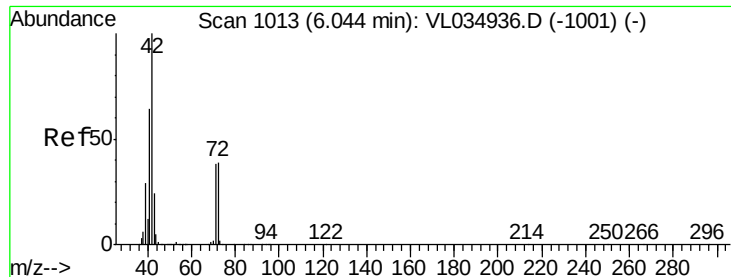
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#40
 1,4-Dioxane
 Concen: 2.222 ppbv m
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.02 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	83302		
58	121.7		105.1	157.7
43	0.0		202.6	303.8#
57	0.0		869.4	1304.0#





#41

Tetrahydrofuran

Concen: 2.051 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Instrument :

MSVOA_L

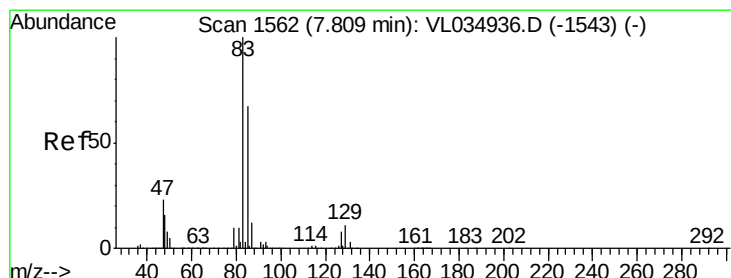
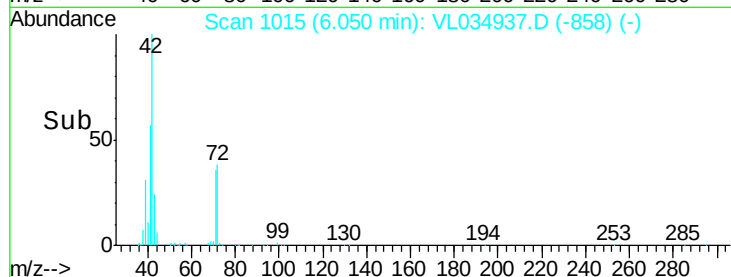
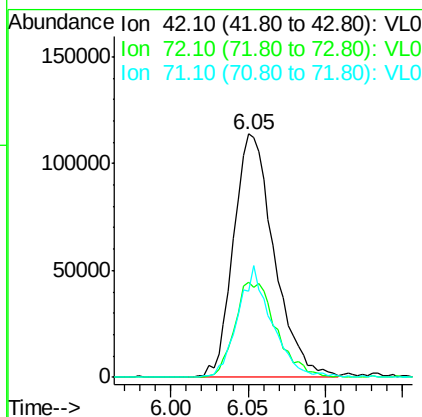
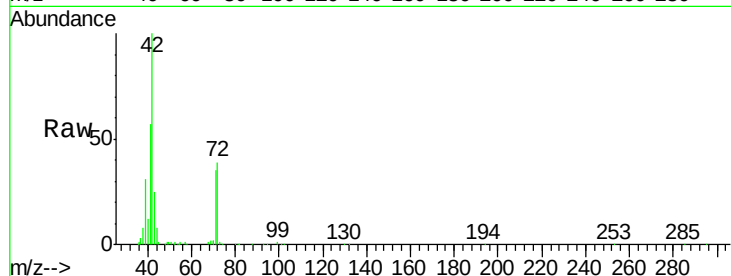
ClientSampleId :

VSTDIC002

Tot Ion:	42	Resp:	207244
Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.4	47.0
71	38.5	29.8	44.8

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#42

Bromodichloromethane

Concen: 2.181 ppbv

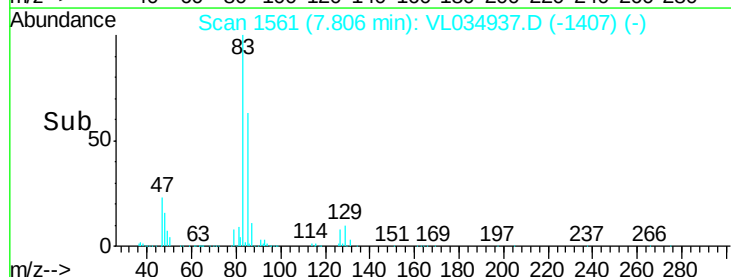
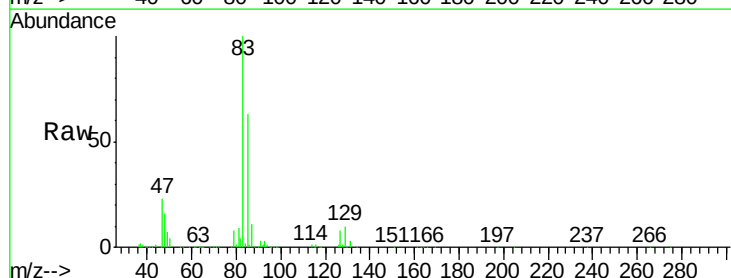
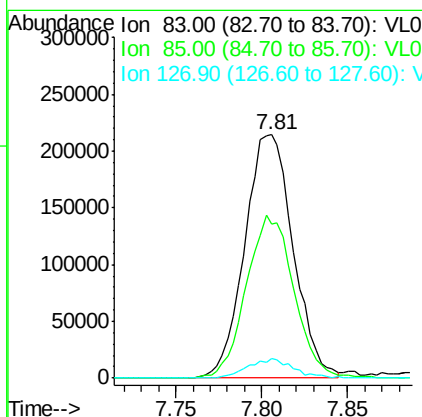
RT: 7.81 min Scan# 1561

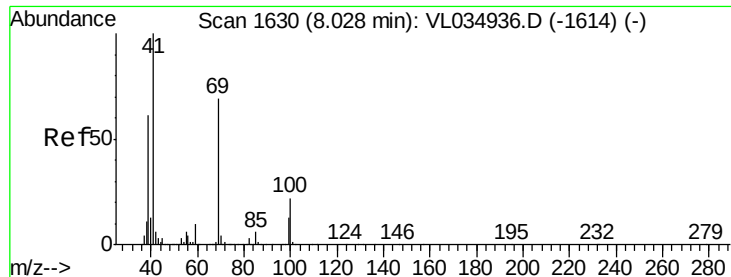
Delta R.T. -0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Tgt Ion:	83	Resp:	419882
Ion	Ratio	Lower	Upper
83	100		
85	63.1	53.4	80.0
127	7.9	6.1	9.1





#43

Methyl Methacrylate

Concen: 2.036 ppbv

RT: 8.03 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VL034937.D

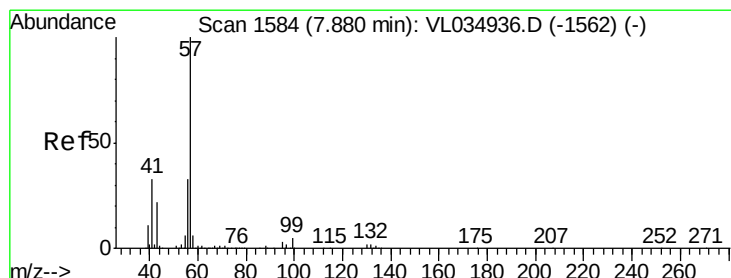
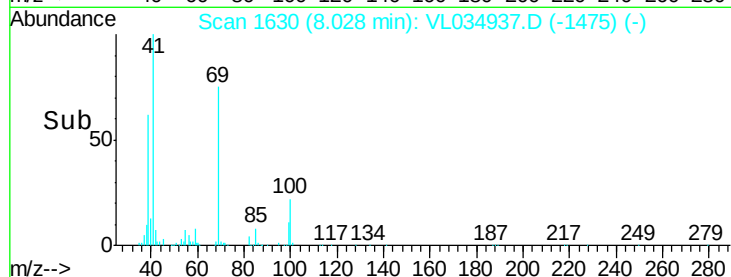
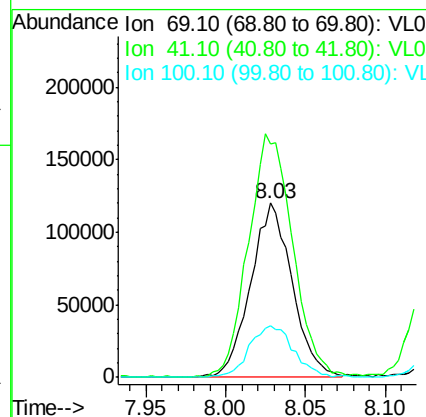
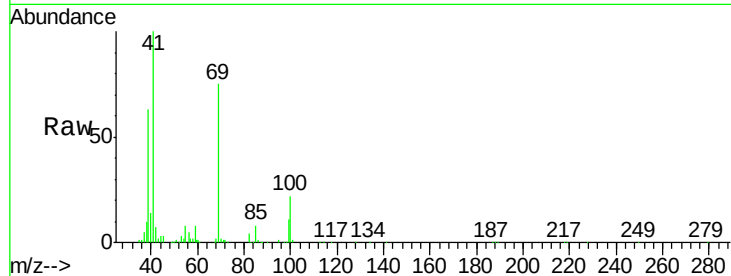
Acq: 6 May 2020 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	148.7	119.8	179.6	
100	31.6	25.0	37.6	

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#44

2,2,4-Trimethylpentane

Concen: 2.207 ppbv

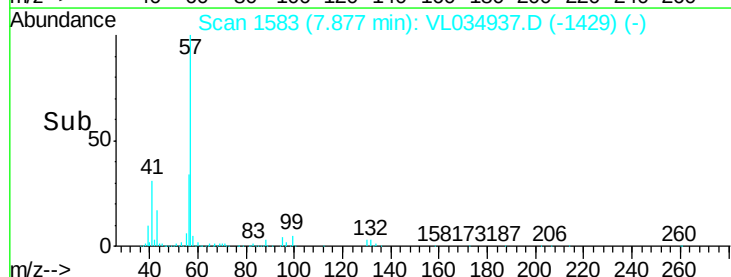
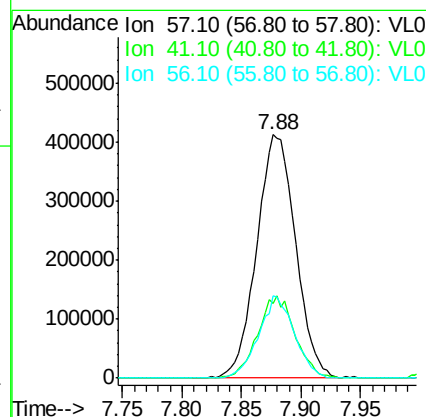
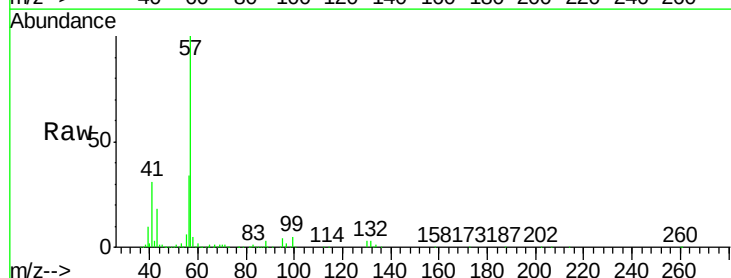
RT: 7.88 min Scan# 1583

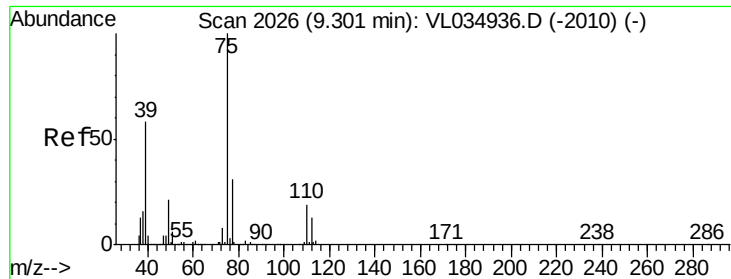
Delta R.T. -0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	32.6	26.4	39.6	
56	31.0	25.5	38.3	





#45

t-1,3-Dichloropropene

Concen: 1.724 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. -0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 213798

Ion Ratio Lower Upper

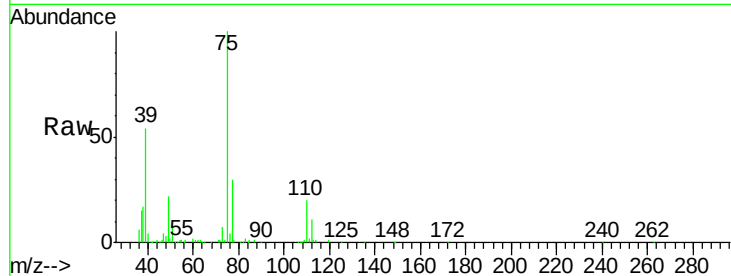
75 100

77 30.4 24.9 37.3

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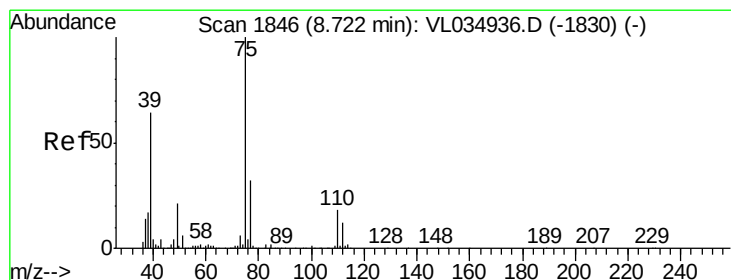
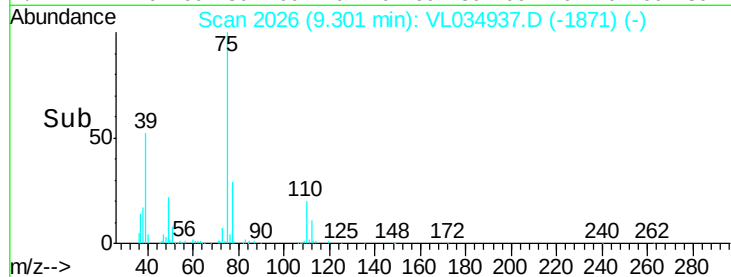
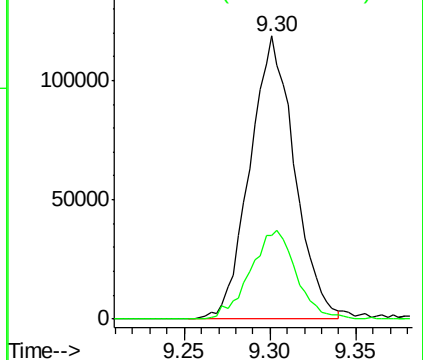
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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 1.828 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

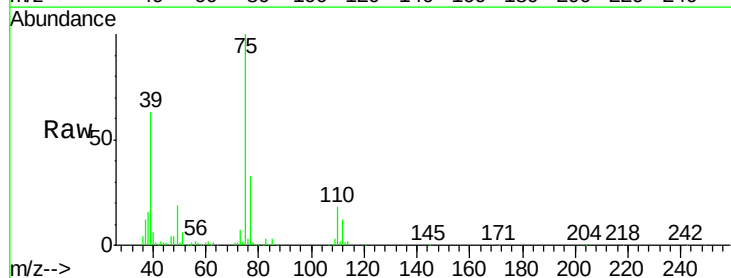
Tgt Ion: 75 Resp: 269297

Ion Ratio Lower Upper

75 100

39 62.1 51.5 77.3

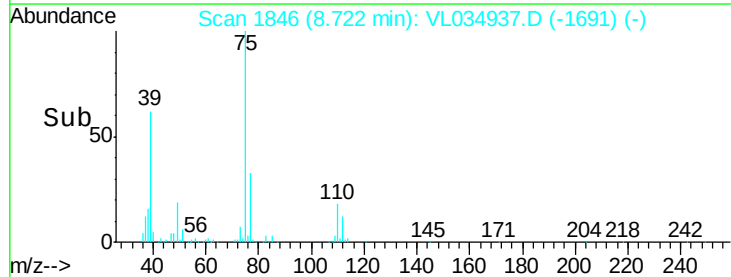
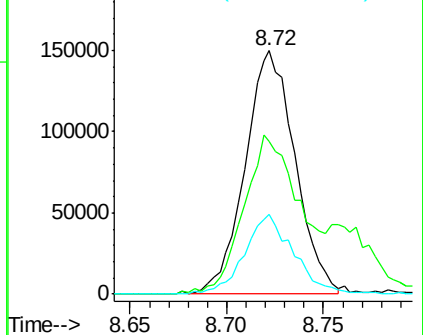
77 32.5 25.5 38.3

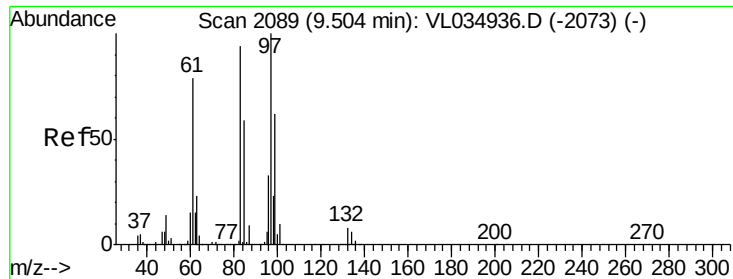


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





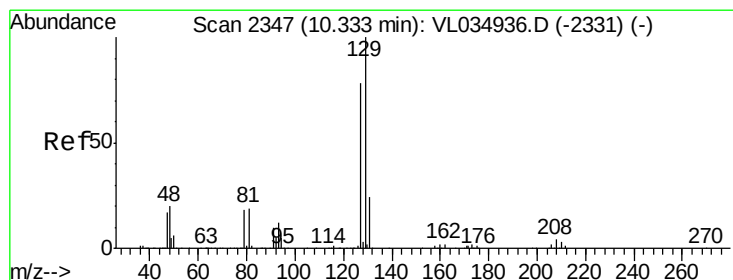
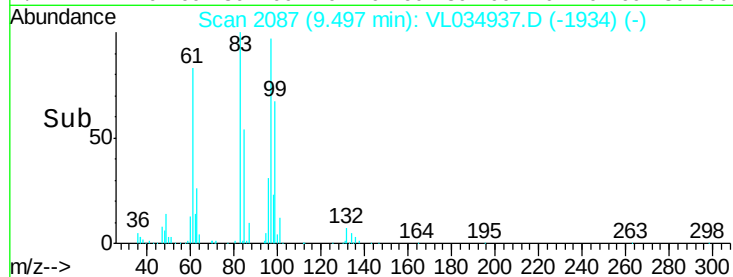
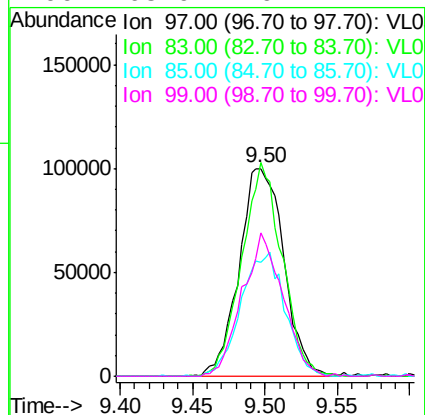
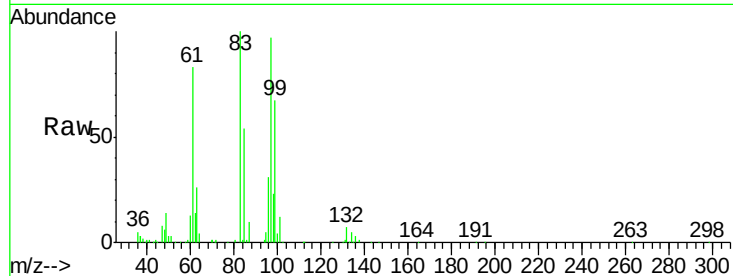
#47
 1,1,2-Trichloroethane
 Concen: 2.107 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:	97	Resp:	214674
Ion	Ratio	Lower	Upper
97	100		
83	102.4	75.6	113.4
85	55.0	47.0	70.6
99	68.9	49.4	74.2

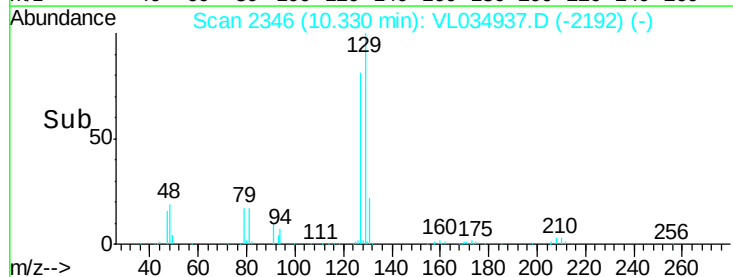
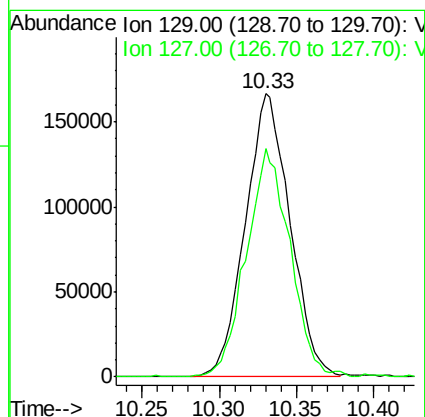
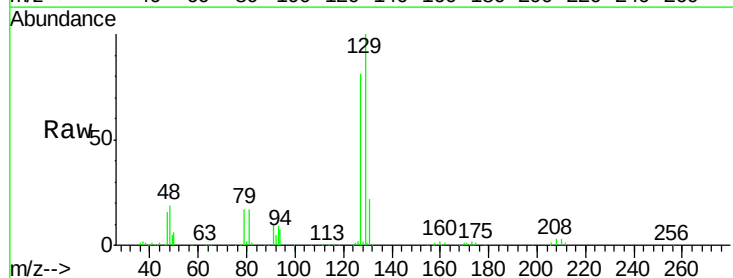
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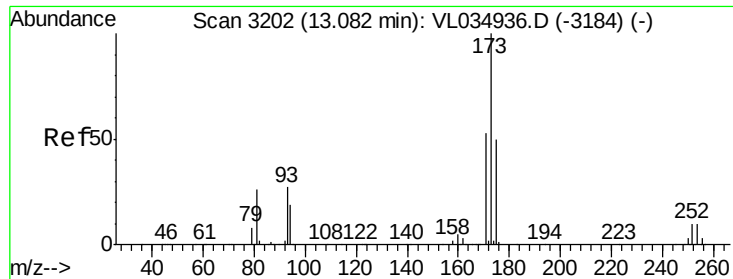
MMDadoda
 5/7/2020 2:29:29 PM



#48
 Dibromochloromethane
 Concen: 2.027 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.00 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Tgt Ion:	129	Resp:	334359
Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.1	117.2





#49

Bromoform

Concen: 1.956 ppbv

RT: 13.08 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:173 Resp: 287639

Ion Ratio Lower Upper

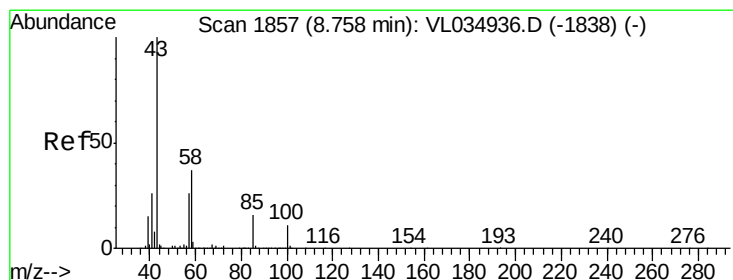
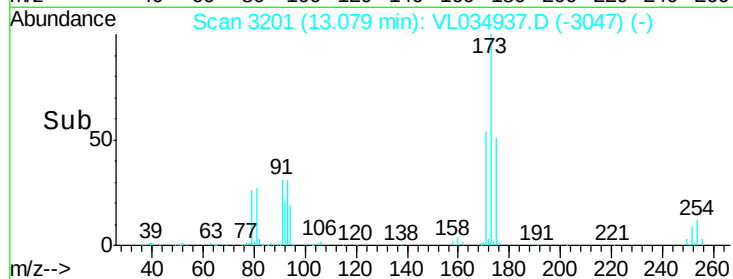
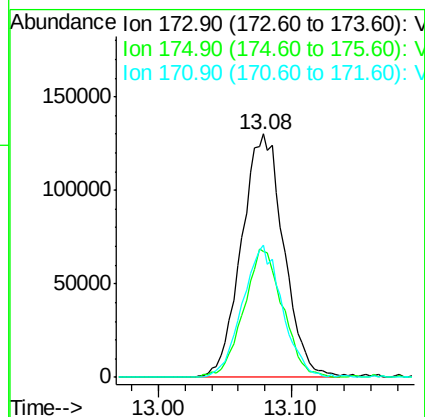
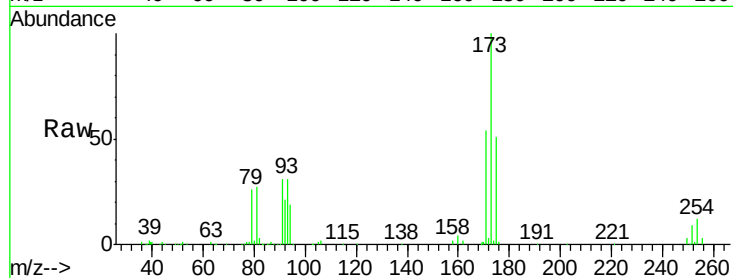
173 100

175 49.5 39.0 58.6

171 51.4 41.4 62.2

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#50

4-Methyl-2-Pentanone

Concen: 2.078 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL034937.D

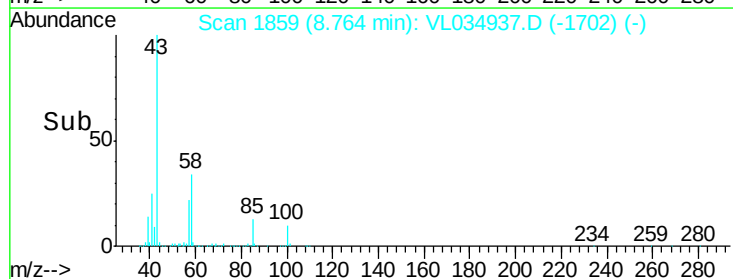
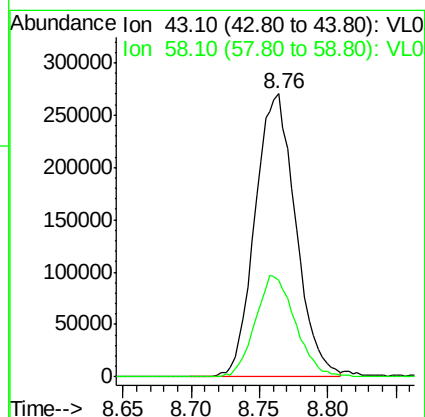
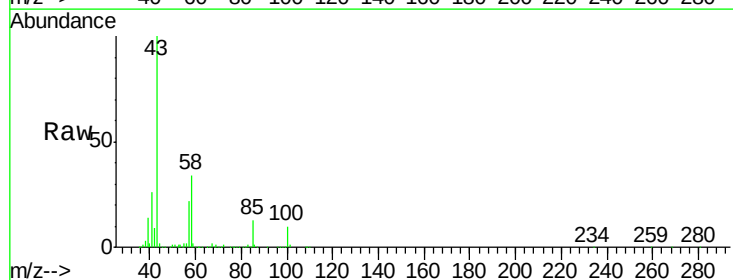
Acq: 6 May 2020 10:48

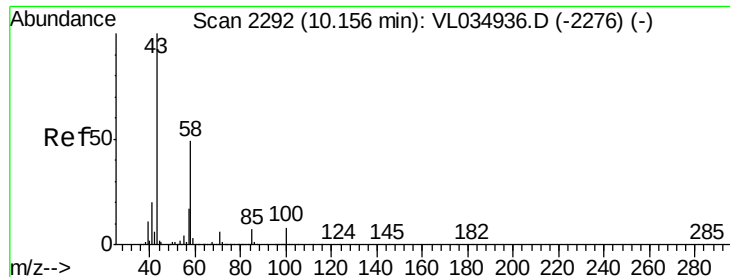
Tgt Ion: 43 Resp: 558687

Ion Ratio Lower Upper

43 100

58 35.5 29.1 43.7





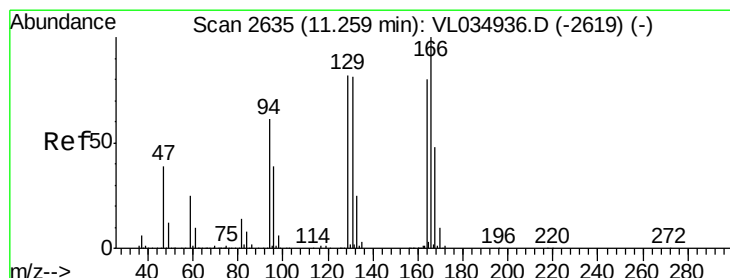
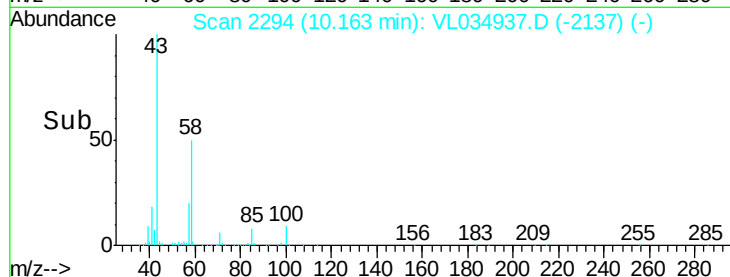
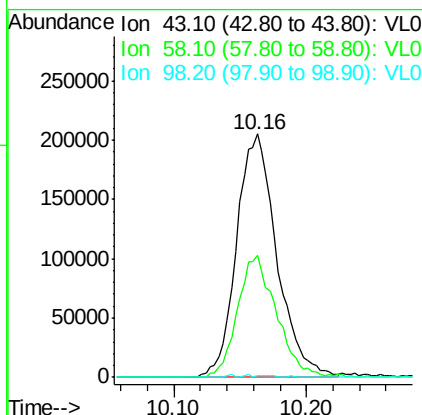
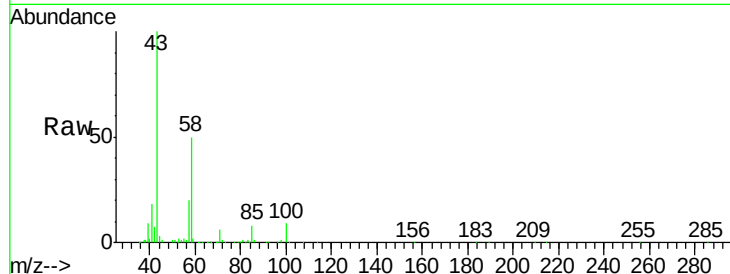
#51
2-Hexanone
Concen: 1.973 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	39.1	58.7
98	1.0	0.3	0.5#

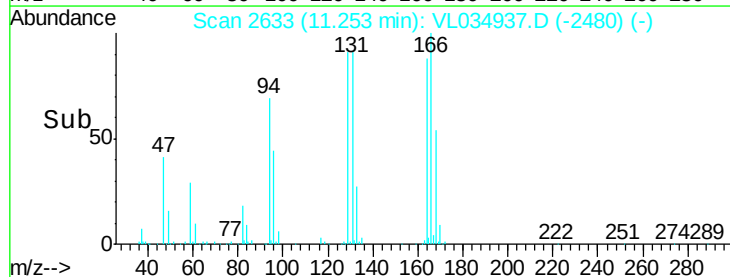
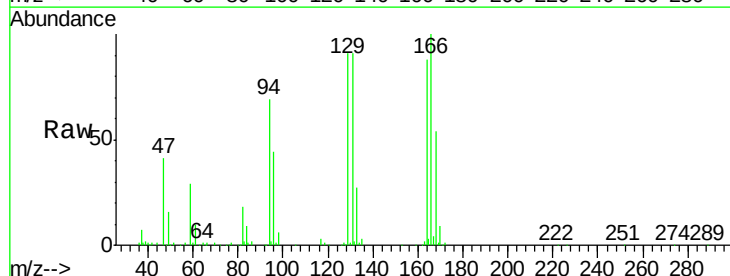
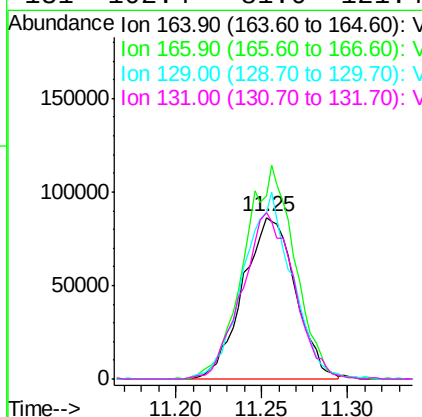
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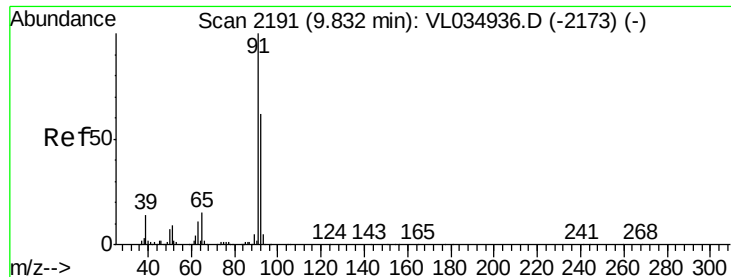
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#52
Tetrachloroethene
Concen: 1.843 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. -0.01 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.2	100.7	151.1
129	104.4	83.0	124.4
131	102.4	81.0	121.4





#53

Toluene

Concen: 1.957 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 566277

Ion Ratio Lower Upper

91 100

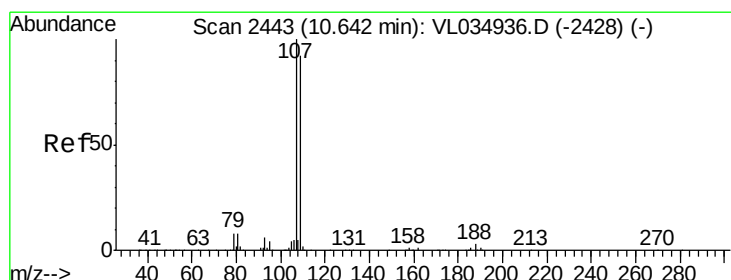
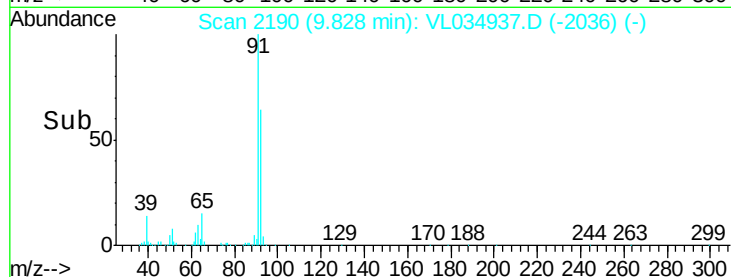
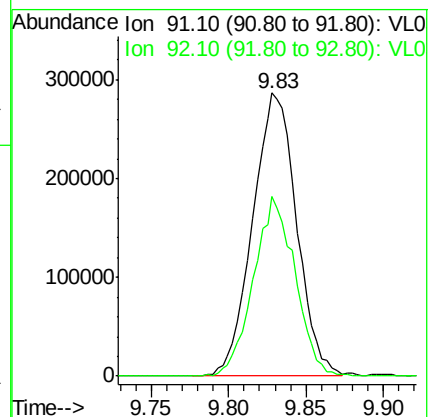
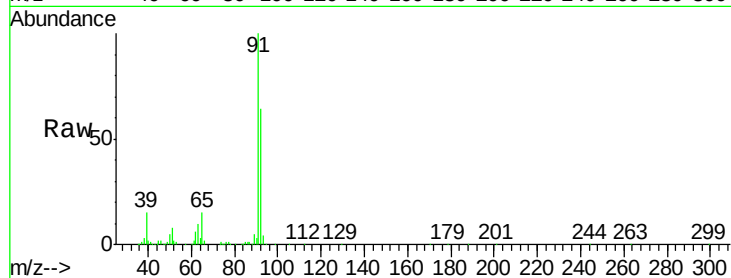
92 59.9 48.6 73.0

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#54

1,2-Dibromoethane

Concen: 2.081 ppbv m

RT: 10.64 min Scan# 2441

Delta R.T. -0.01 min

Lab File: VL034937.D

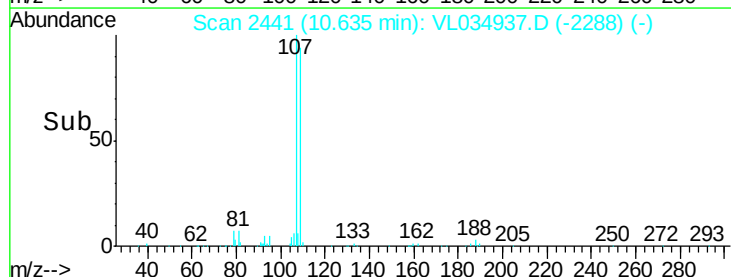
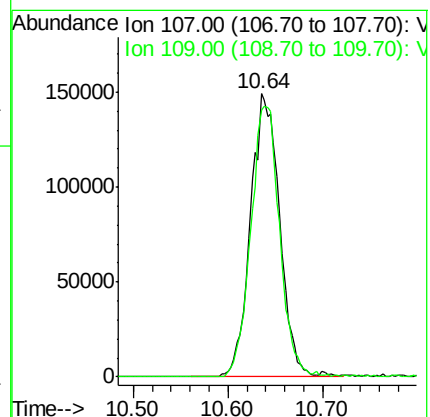
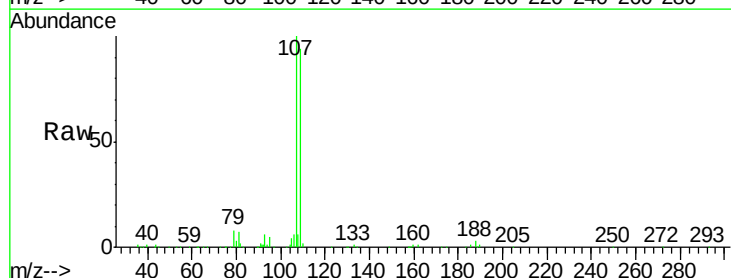
Acq: 6 May 2020 10:48

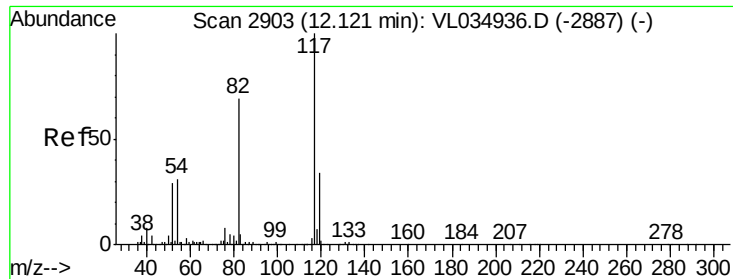
Tgt Ion: 107 Resp: 319154

Ion Ratio Lower Upper

107 100

109 94.4 73.2 109.8





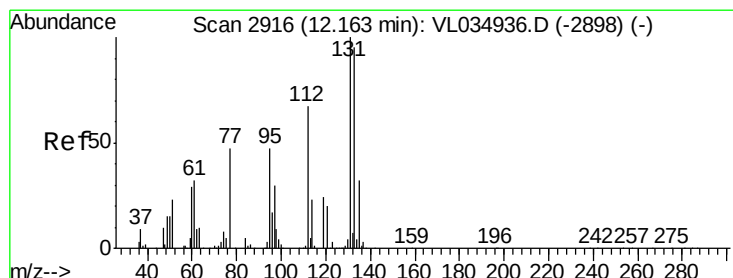
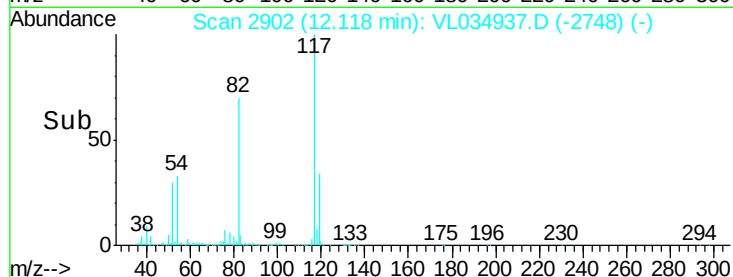
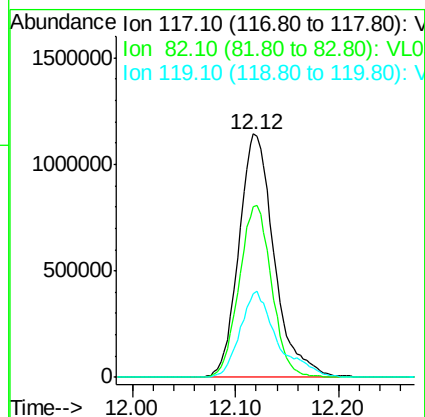
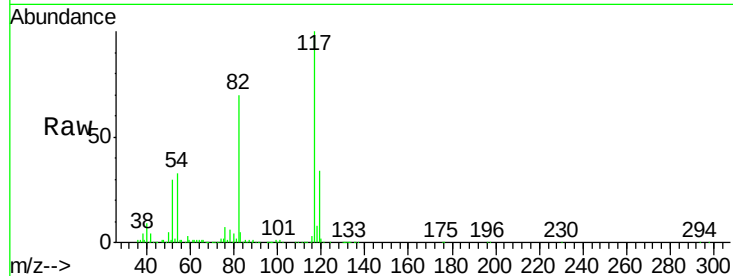
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:117 Resp: 2718729
Ion Ratio Lower Upper
117 100
82 65.8 53.1 79.7
119 37.2 26.7 40.1

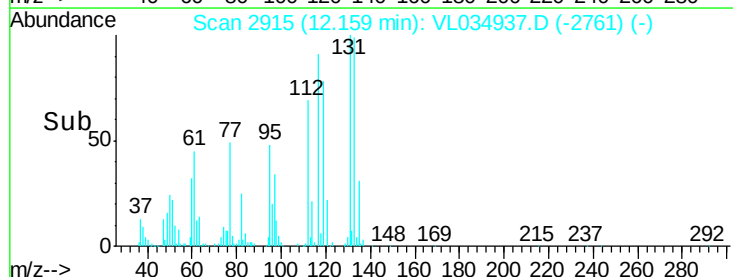
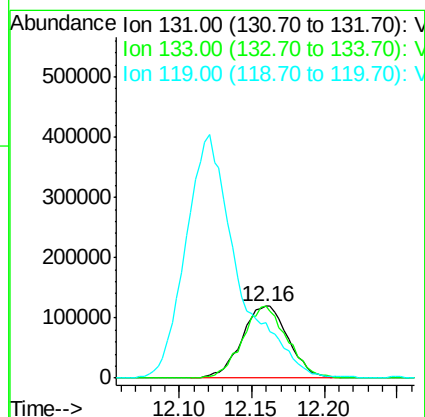
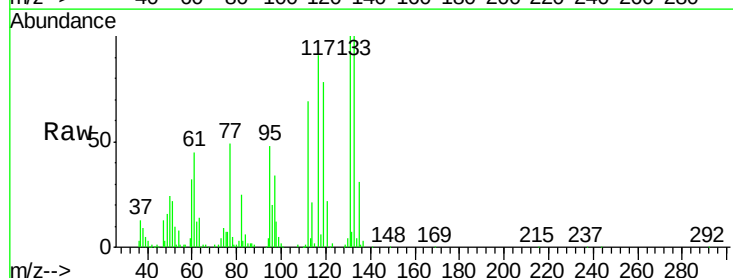
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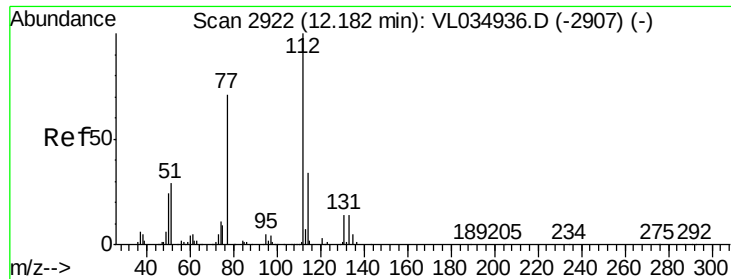
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.190 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Tgt Ion:131 Resp: 267507
Ion Ratio Lower Upper
131 100
133 96.2 77.7 116.5
119 378.2 49.8 74.6#





#57

Chlorobenzene

Concen: 2.212 ppbv

RT: 12.18 min Scan# 2921

Delta R.T. -0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Instrument :

MSVOA_L

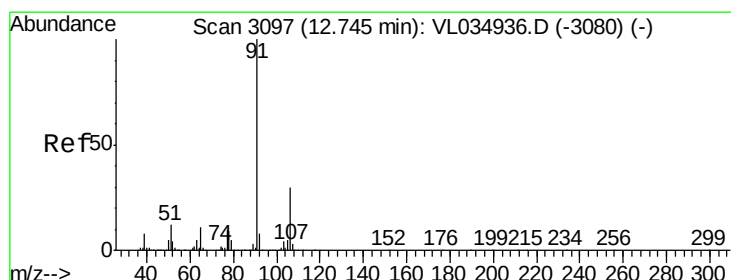
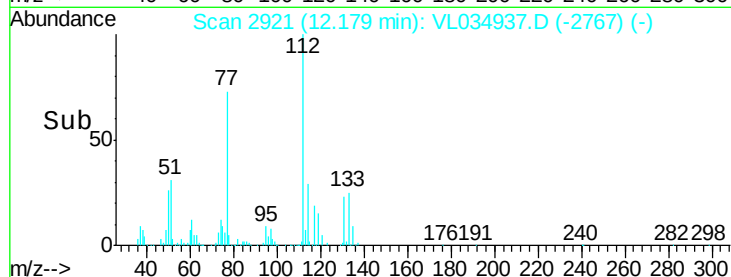
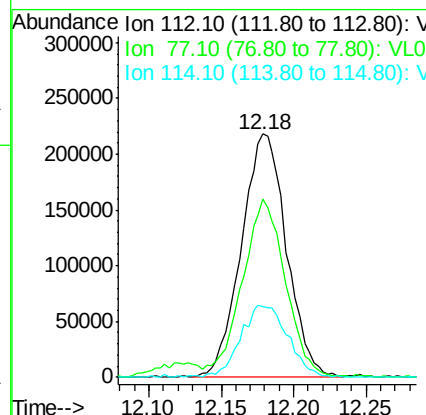
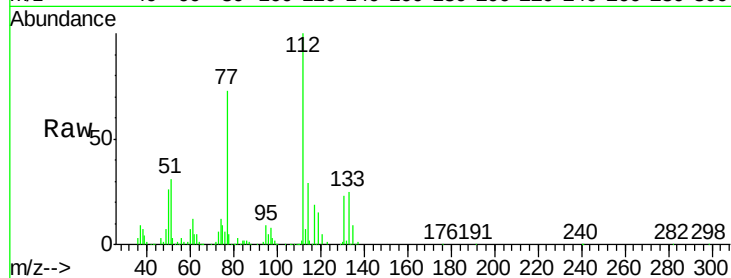
ClientSampleId :

VSTDIC002

Tot Ion:	112	Resp:	470623
Ion Ratio	Lower	Upper	
112	100		
77	72.6	57.0	85.6
114	28.9	30.8	37.6#

Manual Integrations
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#58

Ethyl Benzene

Concen: 2.109 ppbv

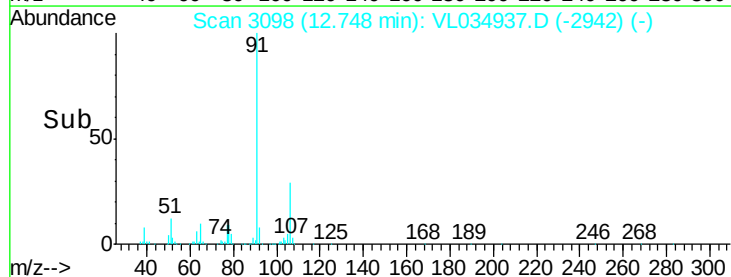
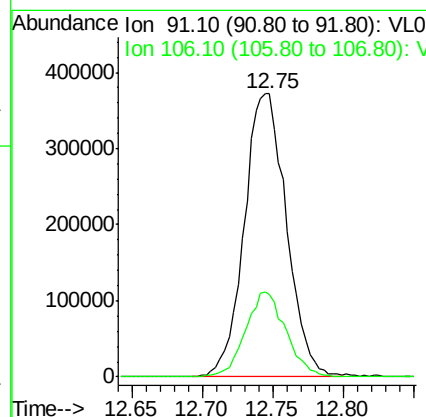
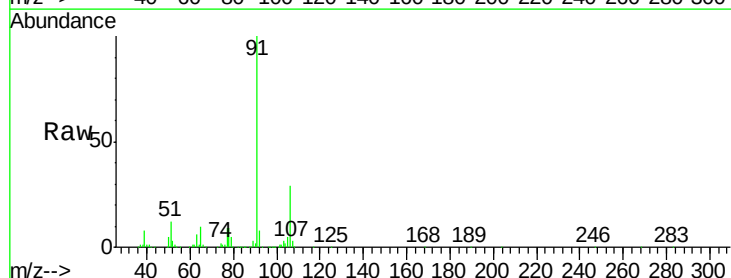
RT: 12.75 min Scan# 3098

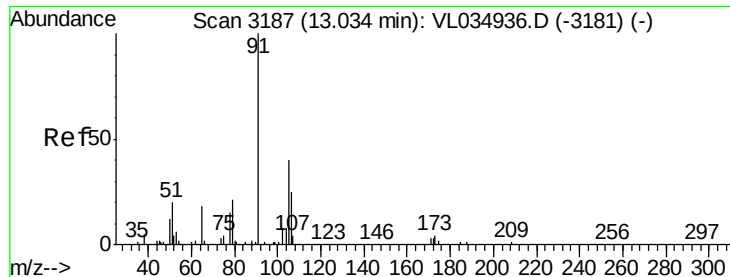
Delta R.T. 0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Tgt Ion:	91	Resp:	776540
Ion Ratio	Lower	Upper	
91	100		
106	29.3	24.2	36.4





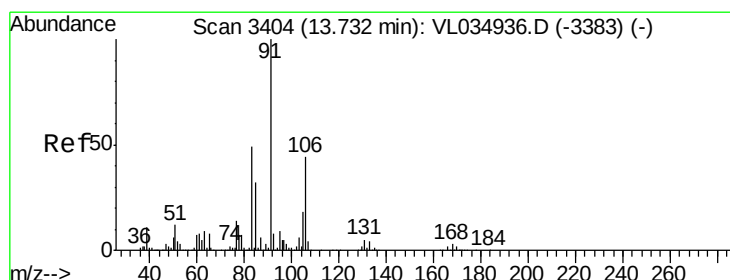
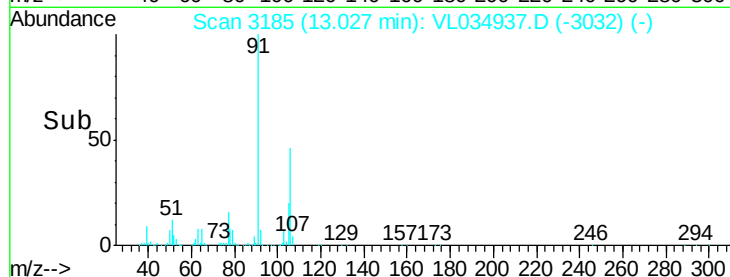
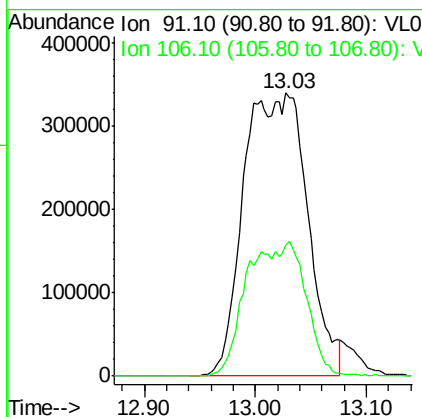
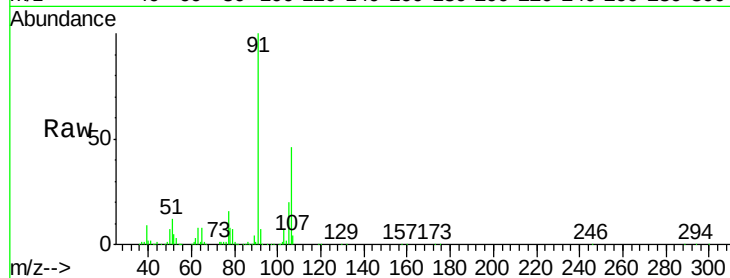
#59
m/p-Xylene
Concen: 4.389 ppbv m
RT: 13.03 min Scan# 3185
Delta R.T. -0.01 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1353762
Ion Ratio Lower Upper
91 100
106 44.4 66.0 99.0#

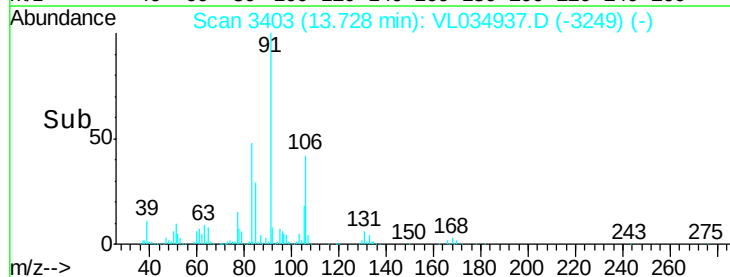
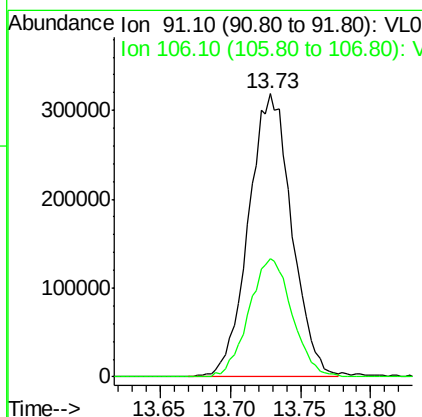
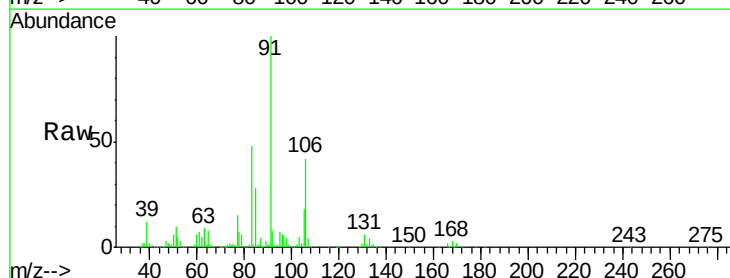
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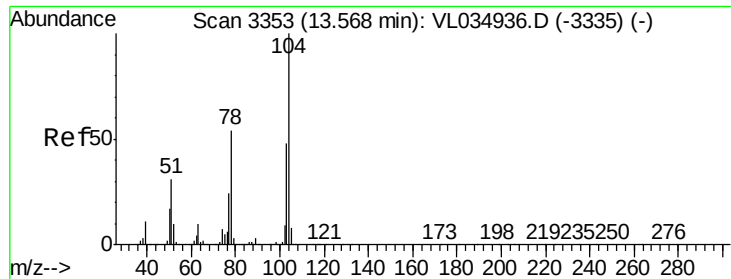
MMDadoda
5/7/2020 2:29:29 PM



#60
o-Xylene
Concen: 2.256 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.00 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Tgt Ion: 91 Resp: 679504
Ion Ratio Lower Upper
91 100
106 41.9 21.9 65.5





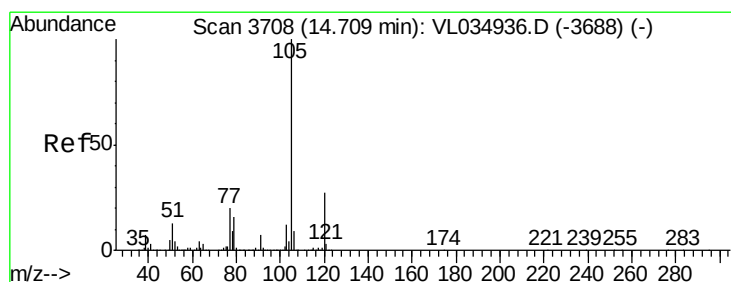
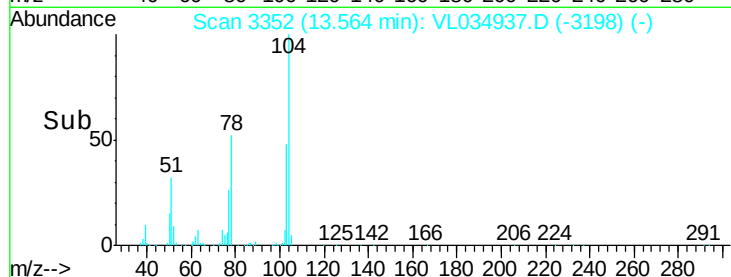
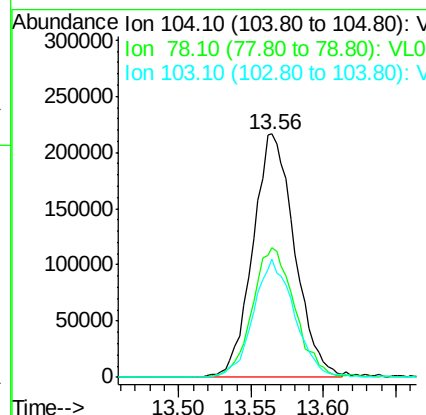
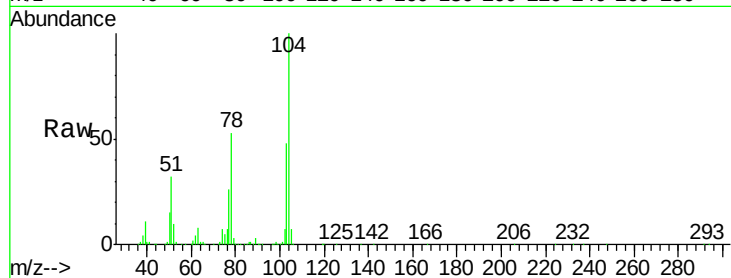
#61
Stvrene
Concen: 2.055 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.5	43.7	65.5
103	47.7	38.8	58.2

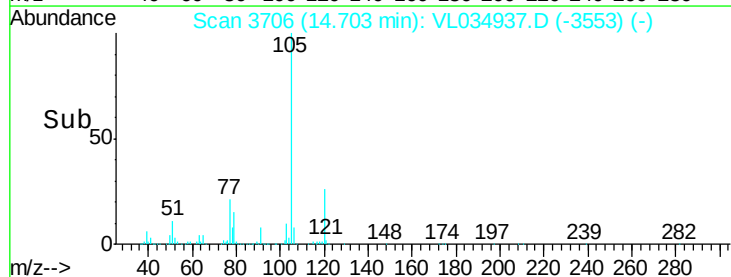
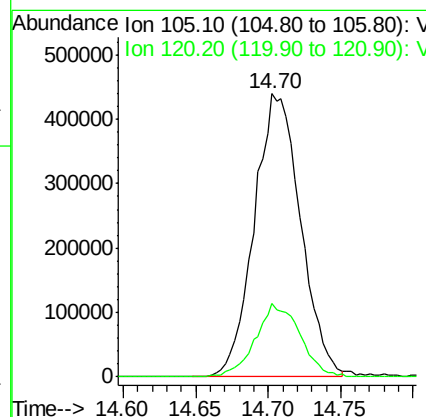
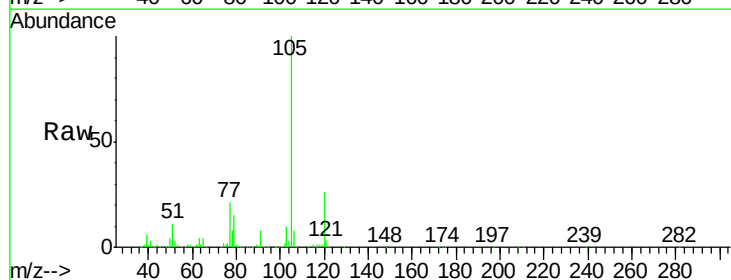
Manual Integrations
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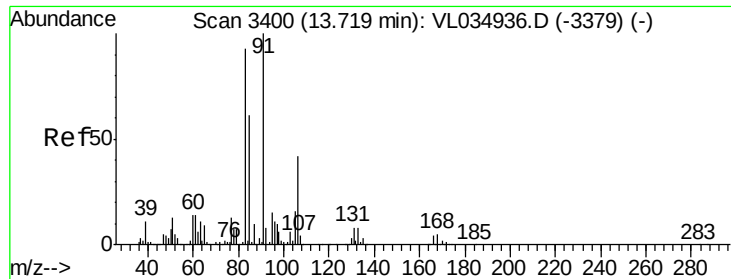
MMDadoda
5/7/2020 2:29:29 PM



#62
Isopropylbenzene
Concen: 2.147 ppbv
RT: 14.70 min Scan# 3706
Delta R.T. -0.01 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.6	31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 2.406 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Instrument :

MSVOA_L

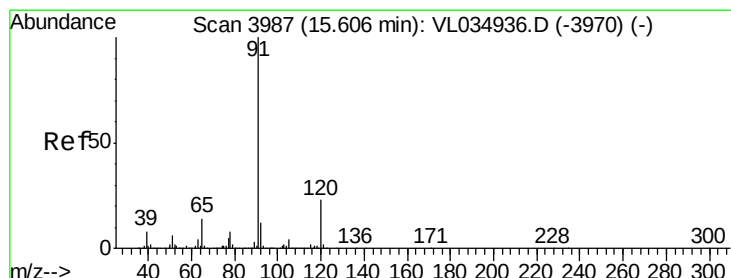
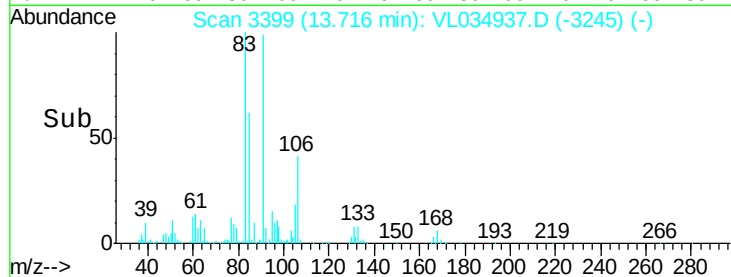
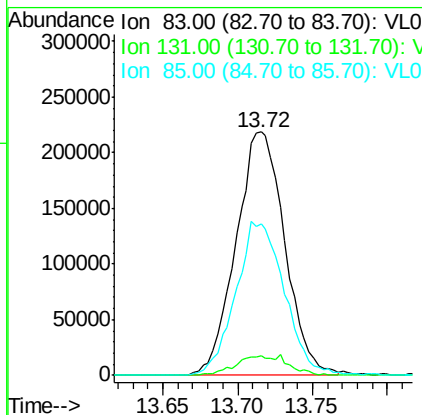
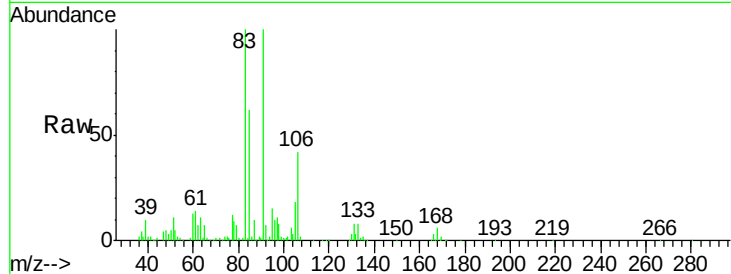
ClientSampleId :

VSTDIC002

Tot Ion:	83	Resp:	491927
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.7	14.0
85	63.8	32.5	97.4

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#64

n-propylbenzene

Concen: 2.160 ppbv m

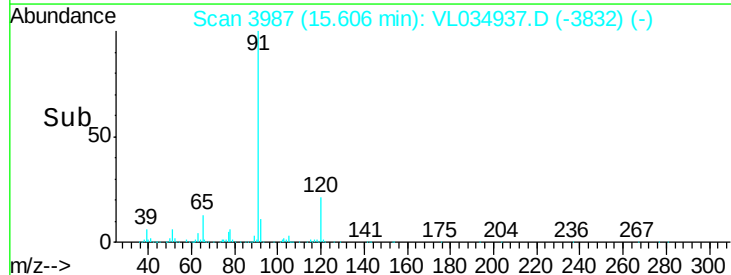
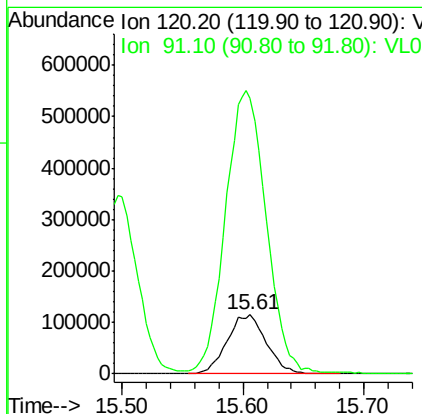
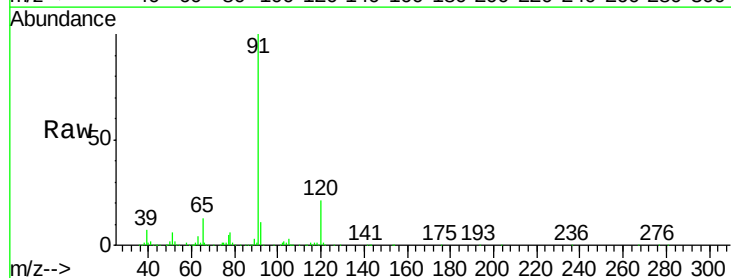
RT: 15.61 min Scan# 3987

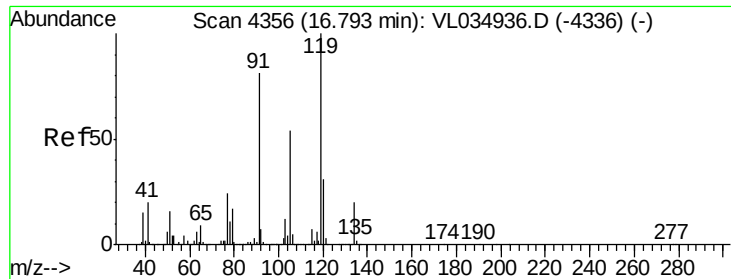
Delta R.T. -0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Tgt Ion:	120	Resp:	256041
Ion Ratio	Lower	Upper	
120	100		
91	499.4	373.5	560.3





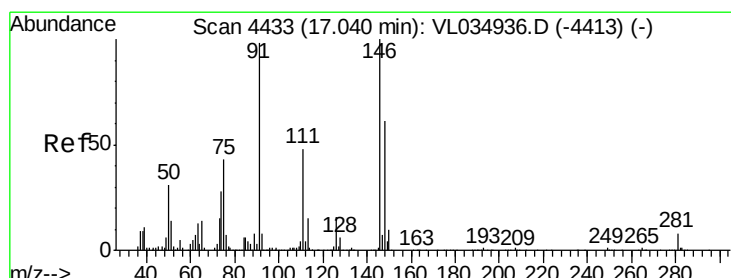
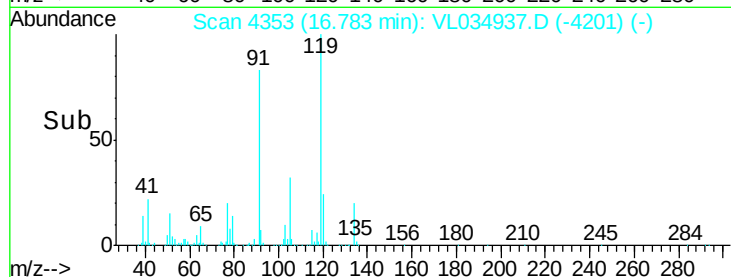
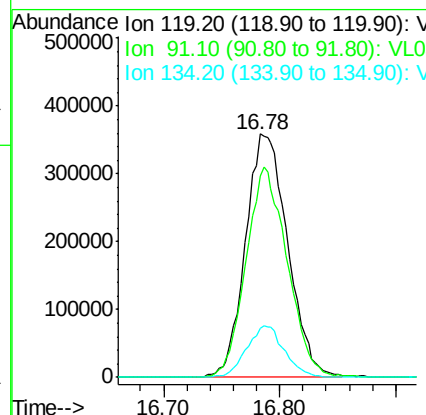
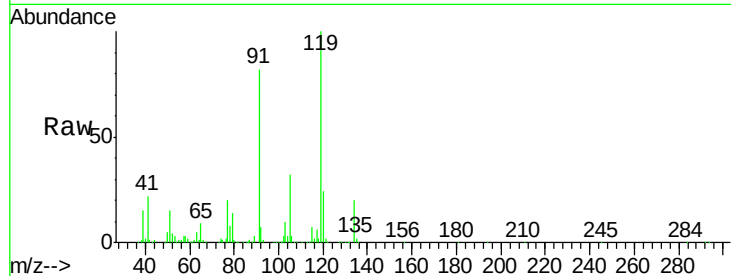
#65
tert-Butylbenzene
Concen: 2.270 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. -0.01 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
91	85.0	67.5	101.3
134	19.1	16.1	24.1

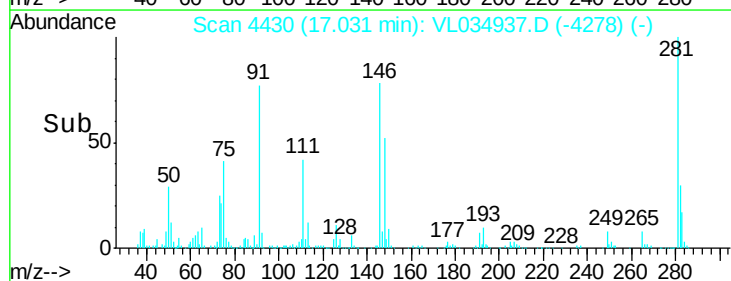
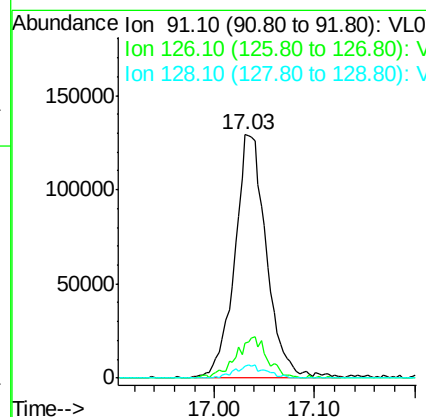
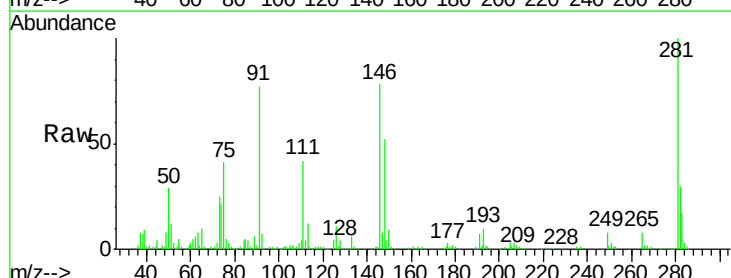
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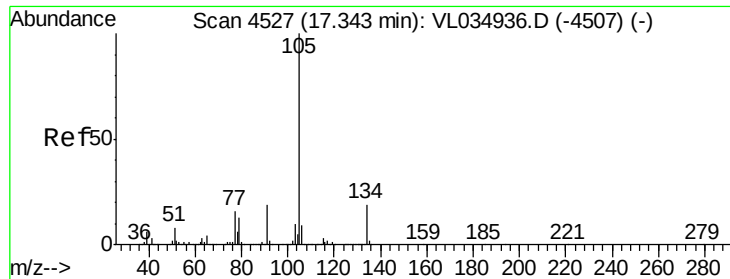
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#66
Benzyl Chloride
Concen: 1.722 ppbv m
RT: 17.03 min Scan# 4430
Delta R.T. -0.01 min
Lab File: VL034937.D
Acq: 6 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.9	13.8	20.6
128	5.2	4.3	6.5





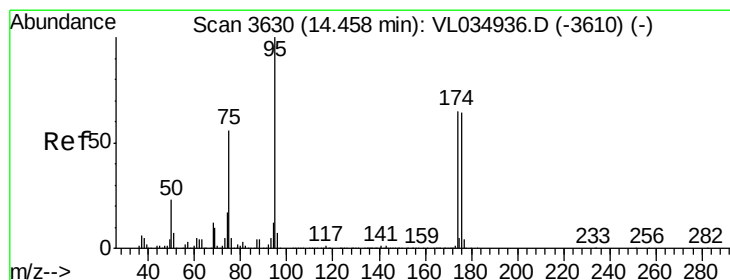
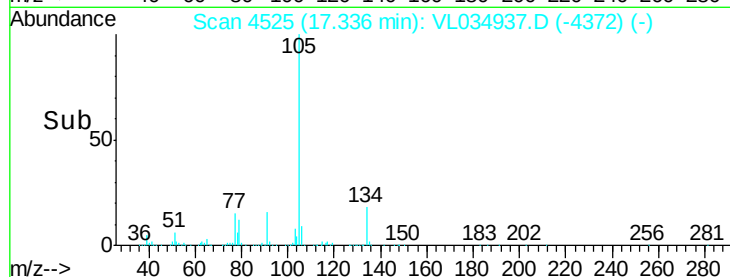
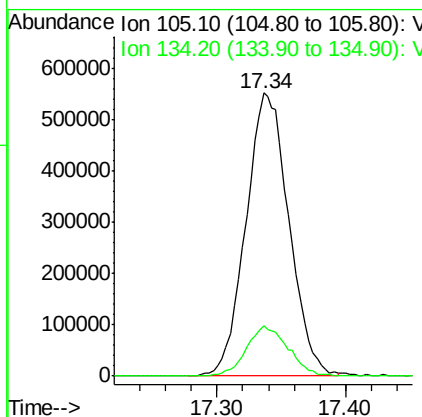
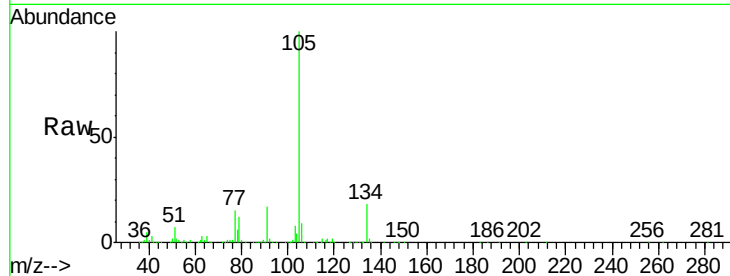
#67
 sec-Butylbenzene
 Concen: 2.317 ppbv
 RT: 17.34 min Scan# 4525
 Delta R.T. -0.01 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 105 Resp: 1278952
 Ion Ratio Lower Upper
 105 100
 134 17.1 14.8 22.2

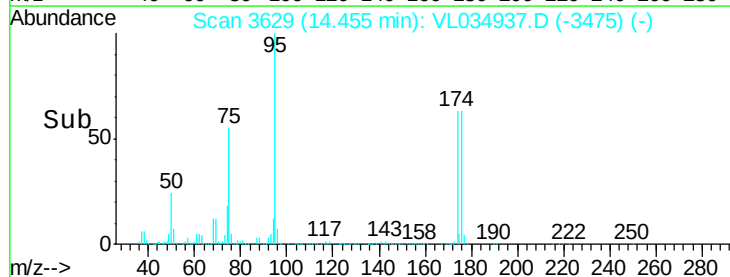
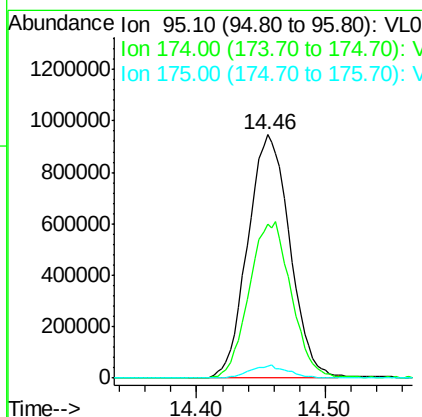
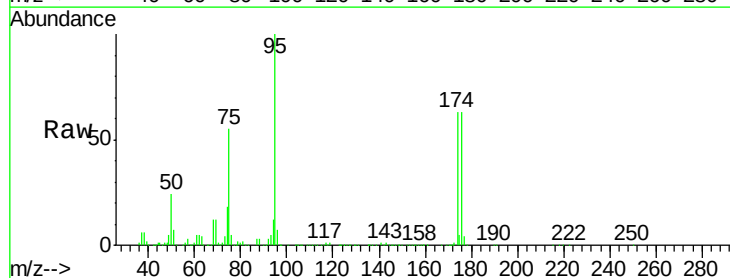
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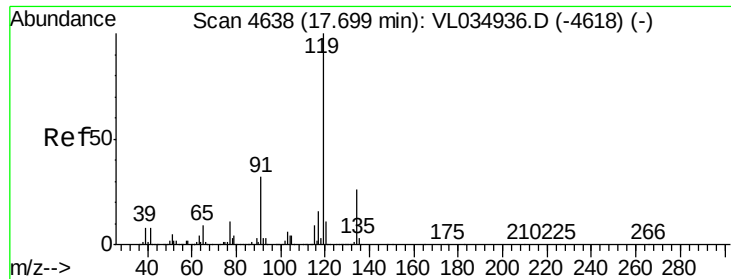
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.127 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. -0.00 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Tgt Ion: 95 Resp: 2147129
 Ion Ratio Lower Upper
 95 100
 174 64.7 51.5 77.3
 175 4.8 3.8 5.8





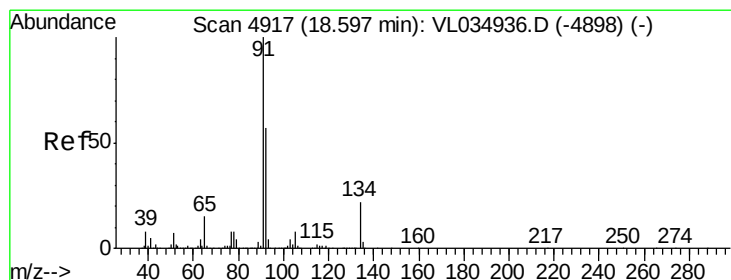
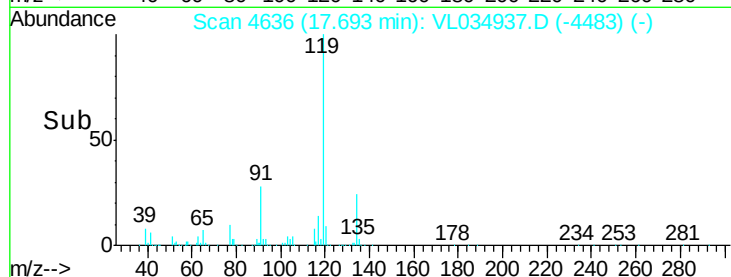
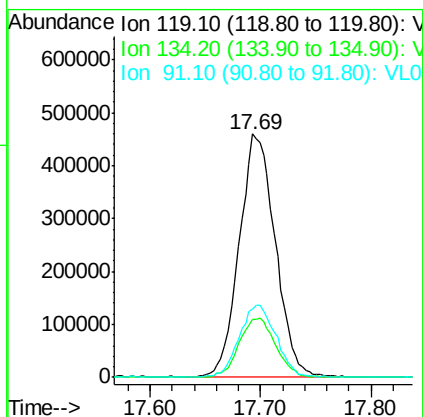
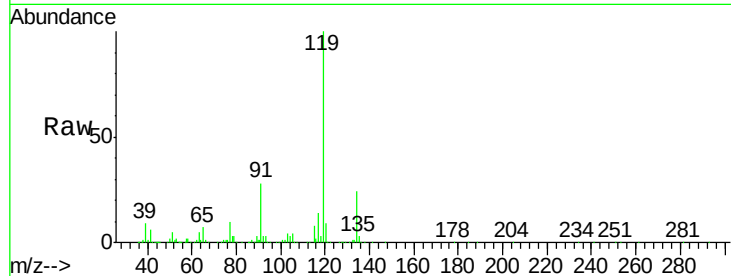
#69
 p-Isopropyltoluene
 Concen: 2.258 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. -0.01 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:	119	Resp:	1045084
Ion	Ratio	Lower	Upper
119	100		
134	24.6	20.3	30.5
91	30.5	24.6	36.8

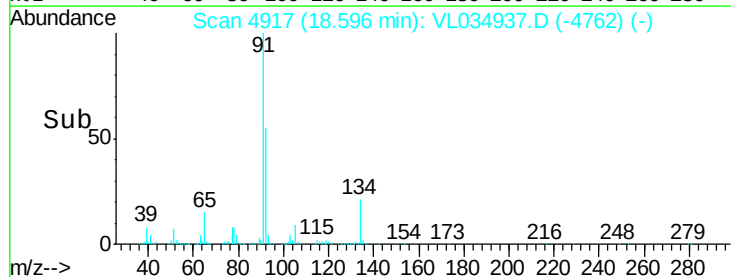
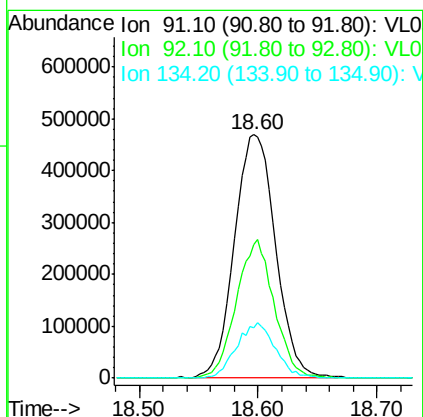
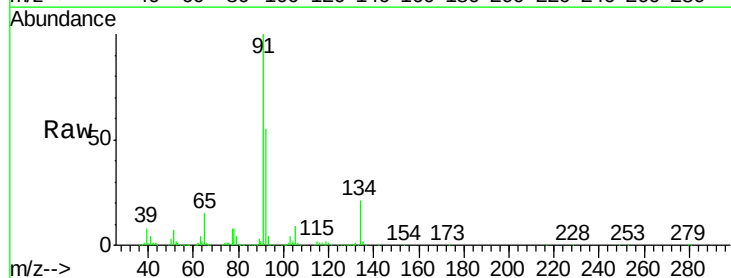
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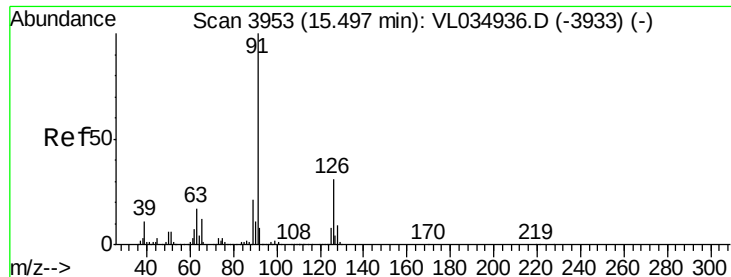
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#70
 n-Butylbenzene
 Concen: 2.368 ppbv
 RT: 18.60 min Scan# 4917
 Delta R.T. -0.00 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Tgt Ion:	91	Resp:	1118091
Ion	Ratio	Lower	Upper
91	100		
92	52.6	44.4	66.6
134	21.6	18.0	27.0





#71

2-Chlorotoluene

Concen: 2.200 ppbv

RT: 15.50 min Scan# 3953

Delta R.T. -0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 758782

Ion Ratio Lower Upper

91 100

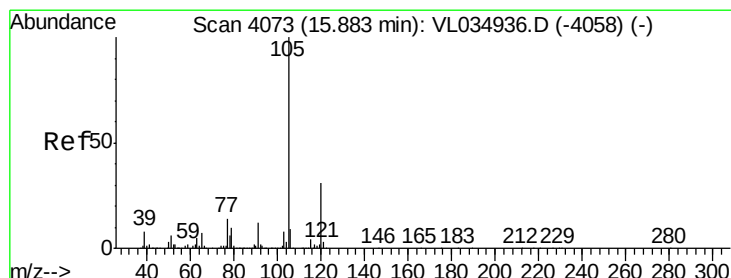
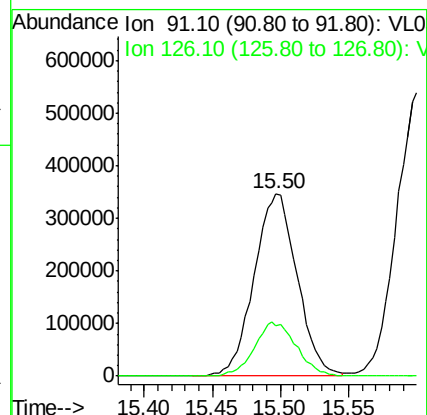
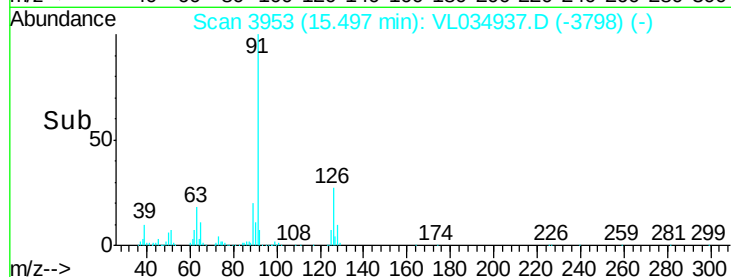
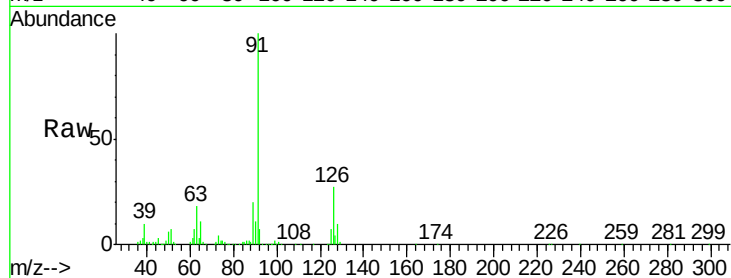
126 29.1 12.0 47.8

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#72

4-Ethyltoluene

Concen: 2.142 ppbv

RT: 15.88 min Scan# 4072

Delta R.T. -0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Tgt Ion: 105 Resp: 761698

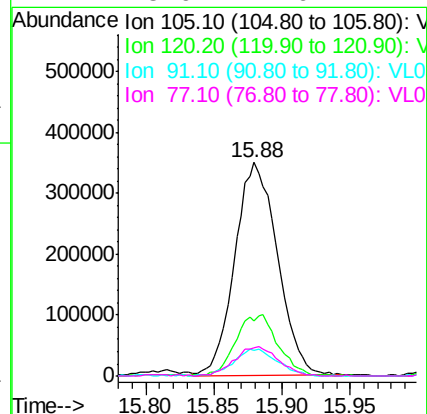
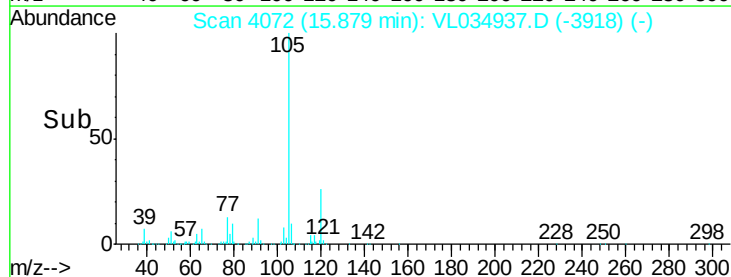
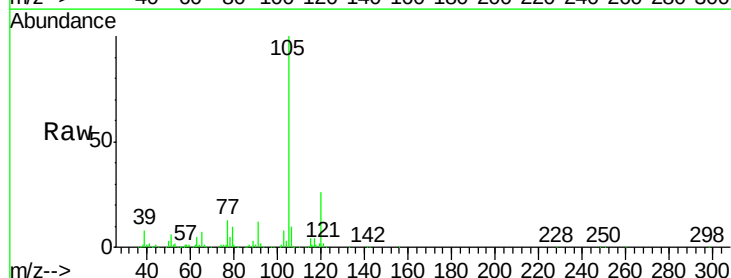
Ion Ratio Lower Upper

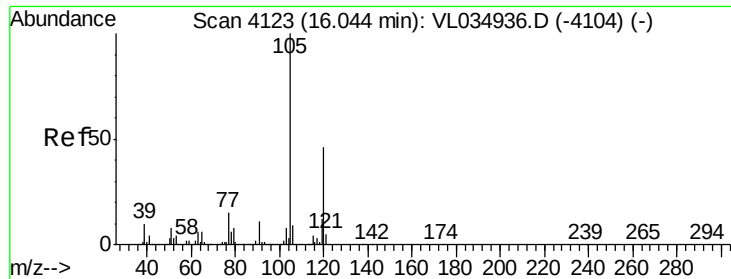
105 100

120 29.4 23.8 35.8

91 12.6 10.6 15.8

77 13.9 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 2.231 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. -0.01 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 742681

Ion Ratio Lower Upper

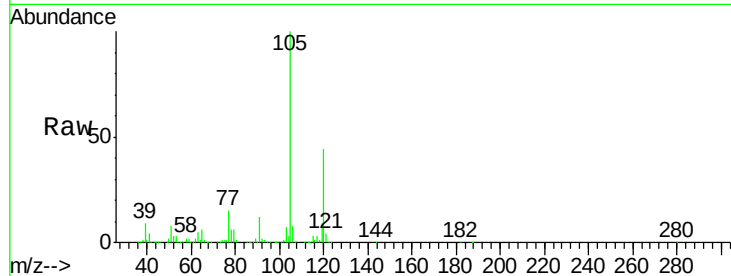
105 100

120 43.9 36.4 54.6

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.04

400000

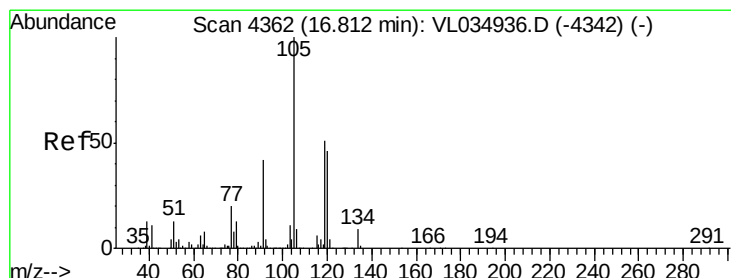
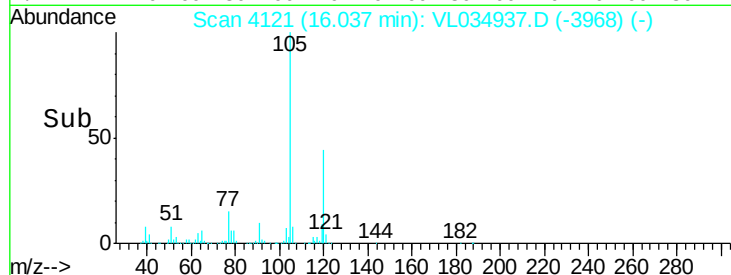
300000

200000

100000

0

Time--> 15.95 16.00 16.05 16.10



#74

1,2,4-Trimethylbenzene

Concen: 2.377 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. -0.01 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Tgt Ion:105 Resp: 815438

Ion Ratio Lower Upper

105 100

120 47.2 36.8 55.2

91 50.1 35.4 53.0

77 23.2 16.2 24.2

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

500000

400000

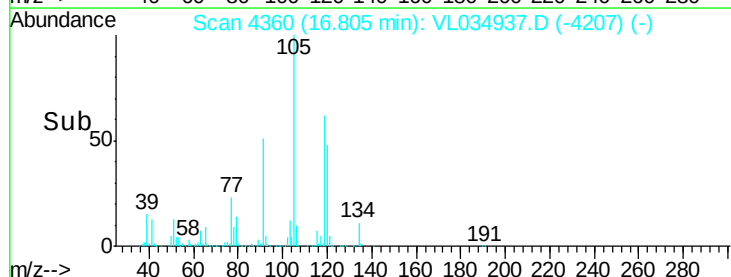
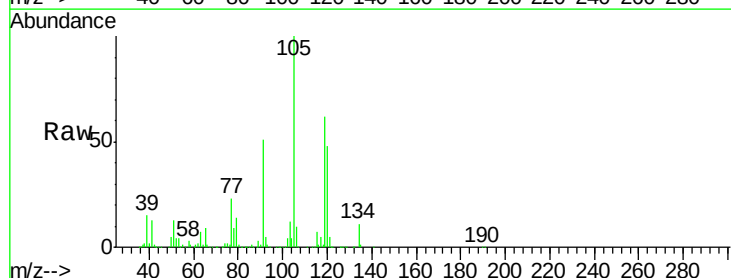
300000

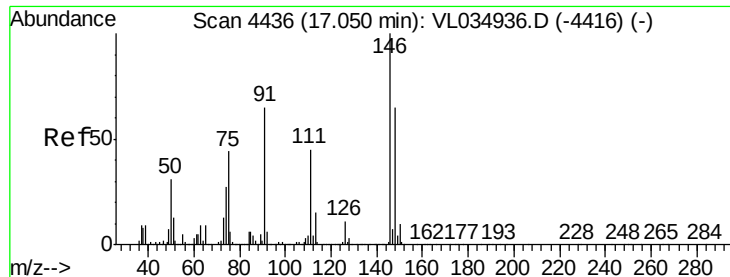
200000

100000

0

Time--> 16.75 16.80 16.85





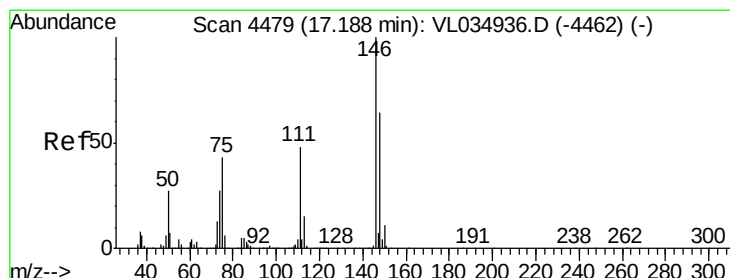
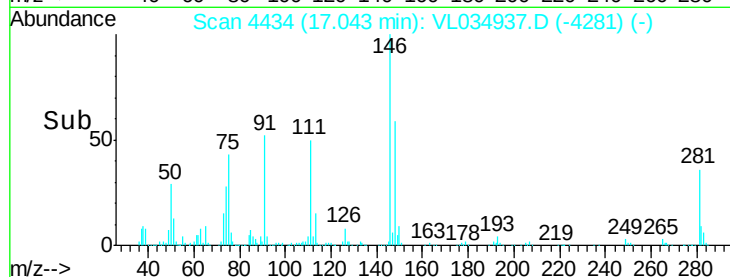
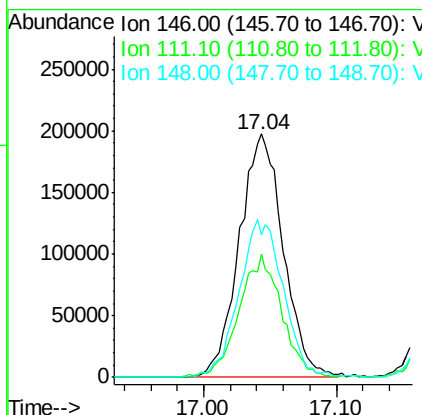
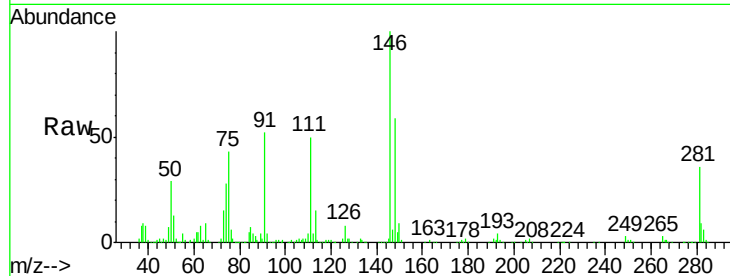
#75
 1,3-Dichlorobenzene
 Concen: 2.201 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. -0.01 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.1	24.0	72.0
148	65.5	32.6	97.7

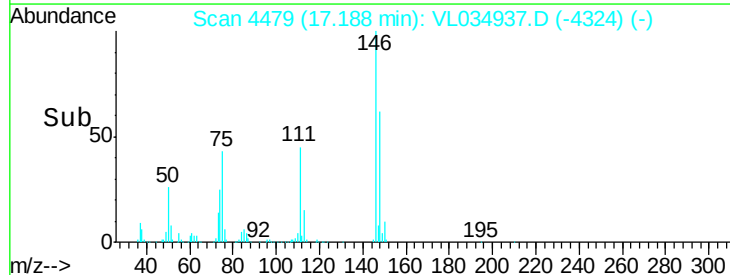
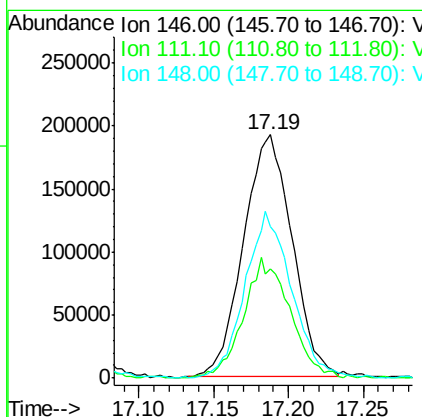
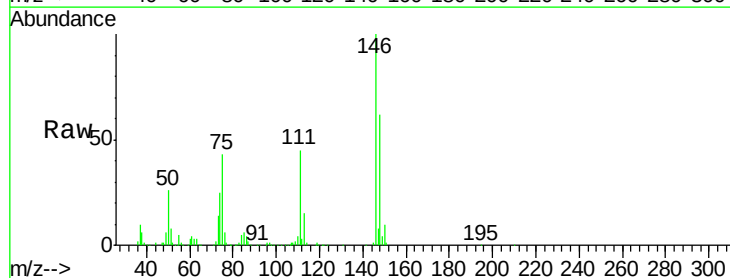
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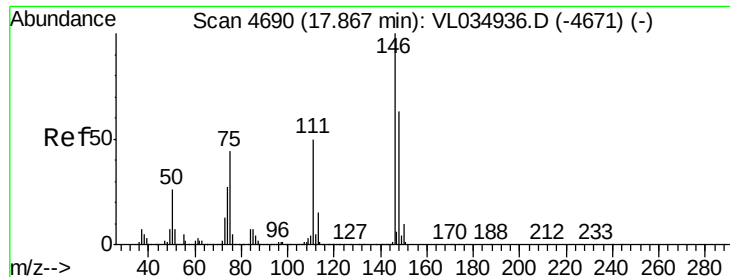
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#76
 1,4-Dichlorobenzene
 Concen: 2.090 ppbv
 RT: 17.19 min Scan# 4479
 Delta R.T. -0.00 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.2	23.7	71.1
148	65.9	32.6	97.8





#77

1,2-Dichlorobenzene

Concen: 2.156 ppbv

RT: 17.87 min Scan# 4690

Delta R.T. -0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Instrument :

MSVOA_L

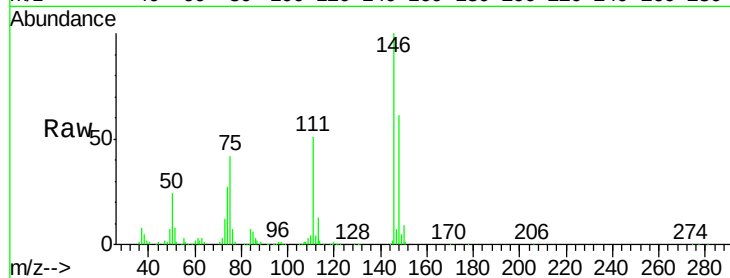
ClientSampleId :

VSTDIC002

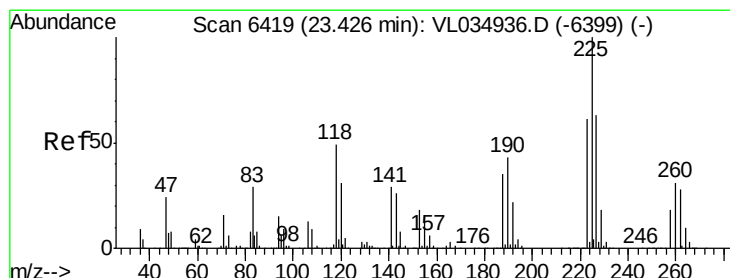
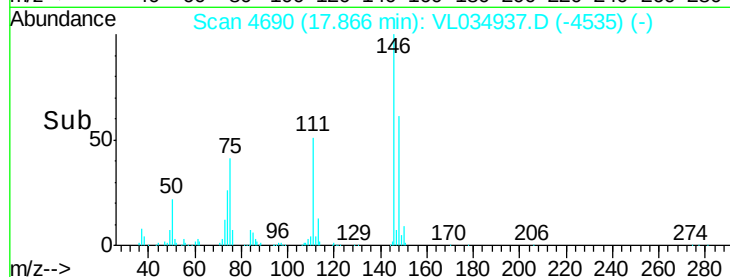
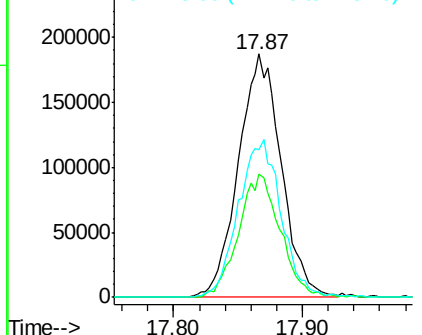
Tot Ion:	146	Resp:	432241
Ion Ratio	Lower	Upper	
146	100		
111	49.6	24.5	73.5
148	65.3	31.7	95.1

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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: 2.218 ppbv m

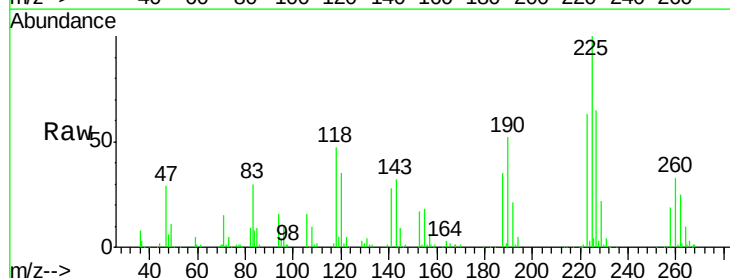
RT: 23.43 min Scan# 6419

Delta R.T. -0.00 min

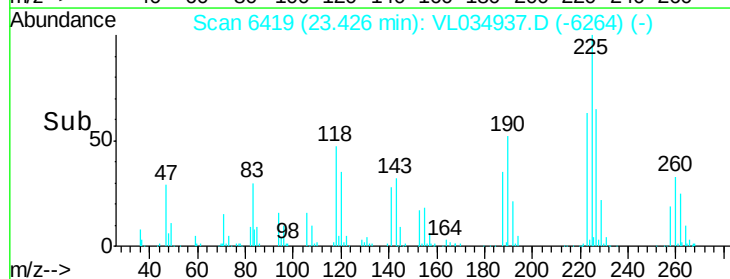
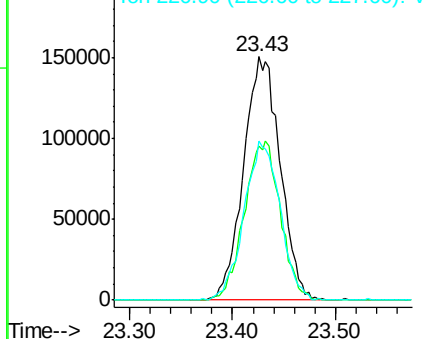
Lab File: VL034937.D

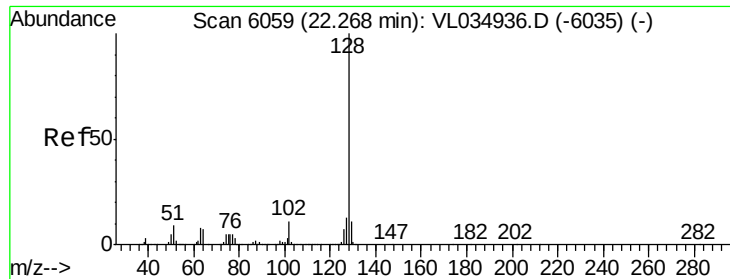
Acq: 6 May 2020 10:48

Tgt Ion:	225	Resp:	371440
Ion Ratio	Lower	Upper	
225	100		
223	0.0	49.8	74.8#
227	64.3	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: 2.230 ppbv

RT: 22.27 min Scan# 6060

Delta R.T. 0.00 min

Lab File: VL034937.D

Acq: 6 May 2020 10:48

Instrument :

MSVOA_L

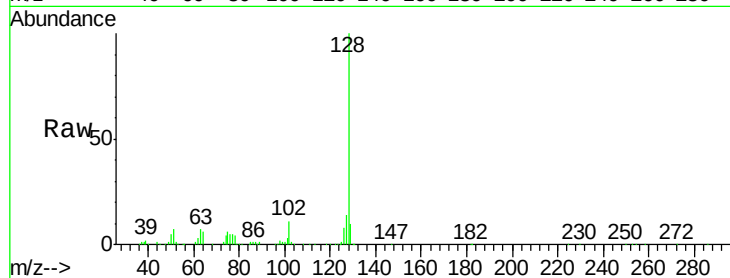
ClientSampleId :

VSTDIC002

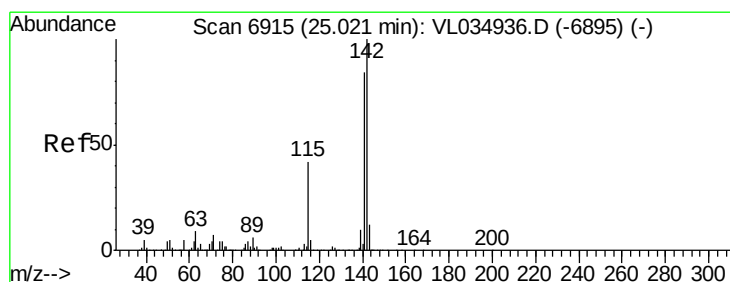
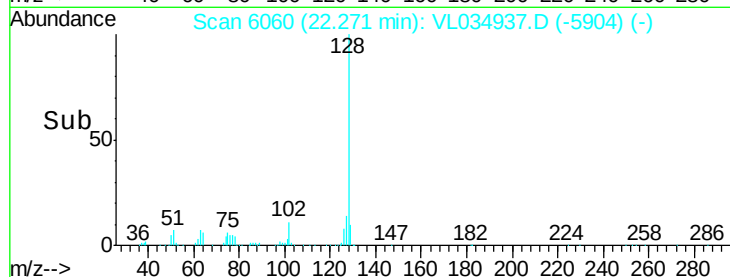
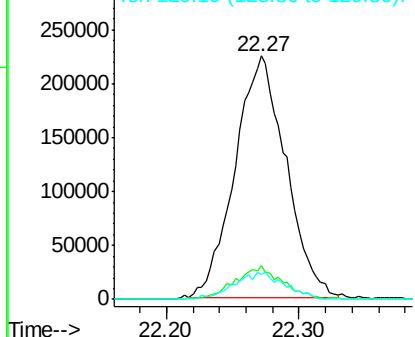
Tot Ion:	128	Resp:	596414
Ion Ratio		Lower	Upper
128	100		
127	13.5	10.5	15.7
129	10.3	9.0	13.4

Manual Integrations
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5/7/2020 2:29:29 PM



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: 0.806 ppbv

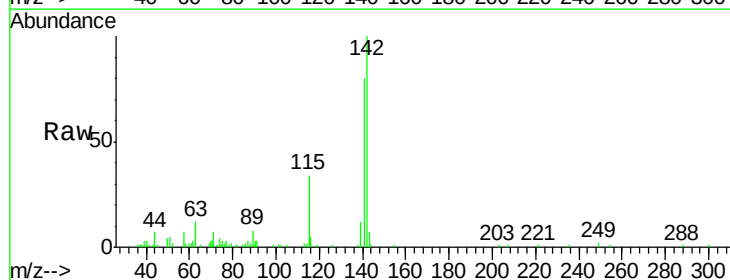
RT: 25.03 min Scan# 6917

Delta R.T. 0.01 min

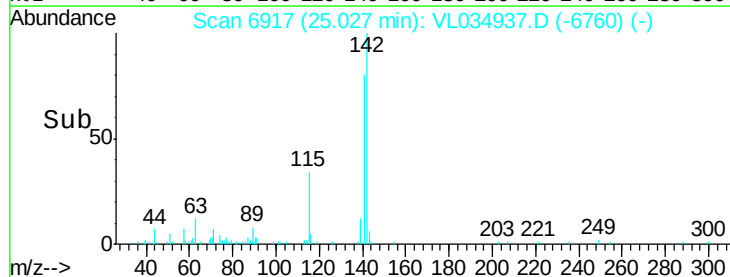
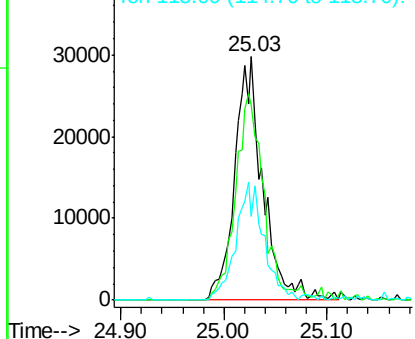
Lab File: VL034937.D

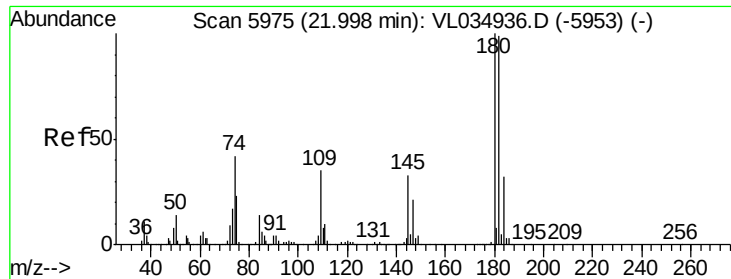
Acq: 6 May 2020 10:48

Tgt Ion:	142	Resp:	56363
Ion Ratio		Lower	Upper
142	100		
141	87.0	68.6	102.8
115	48.7	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: 2.221 ppbv m
 RT: 22.00 min Scan# 5975
 Delta R.T. -0.00 min
 Lab File: VL034937.D
 Acq: 6 May 2020 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
180	100	377501		
182	94.9		77.5	116.3
184	29.6		24.8	37.2

Manual Integrations
 APPROVED

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 5/7/2020 2:29:29 PM

