

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061920\
 Data File : VL035095.D
 Acq On : 19 Jun 2020 15:12
 Operator : SY/AP
 Sample : VSTDICCC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC0.5

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 2:08:48 PM

Quant Time: Jun 20 01:34:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 01:15:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1263025	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3045326	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2830937	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2444171	10.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	127374	0.701	ppbv	98
3) Chlorodifluoromethane	2.94	51	80458	0.557	ppbv	97
4) Chloromethane	3.09	50	44014	0.532	ppbv	90
5) Vinyl Chloride	3.21	62	43251	0.537	ppbv	92
6) Bromomethane	3.43	94	28068	0.582	ppbv	98
7) Chloroethane	3.51	64	17171	0.594	ppbv	96
8) Dichlorotetrafluoroethane	3.14	85	108367	0.582	ppbv	95
9) Propene	2.96	41	29393	0.474	ppbv	100
10) Heptane	8.12	43	61218	0.394	ppbv	94
11) Trichlorofluoromethane	3.91	101	108820	0.589	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.45	101	76405	0.582	ppbv	99
13) Ethanol	3.58	45	17289	0.863	ppbv	94
14) Bromoethene	3.70	108	29214	0.537	ppbv	91
15) Acetone	3.82	43	94042	0.564	ppbv	97
16) 1,3-Butadiene	3.28	39	33206	0.462	ppbv	97
17) tert-Butyl alcohol	4.27	59	82824	0.560	ppbv	100
18) 1,1-Dichloroethene	4.26	96	29017	0.509	ppbv	97
19) Isopropyl Alcohol	3.94	45	62400	0.568	ppbv #	90
20) Methylene Chloride	4.31	84	44825	0.813	ppbv	82
21) Allyl Chloride	4.38	41	47094	0.502	ppbv	90
22) trans-1,2-Dichloroethene	4.86	96	31540m	0.564	ppbv	
23) Vinyl Acetate	5.05	43	86031	0.411	ppbv #	96
24) 1,1-Dichloroethane	4.98	63	87562	0.537	ppbv	96
25) Ethyl Acetate	5.66	43	144620	0.517	ppbv	99
26) Hexane	5.66	57	61365	0.505	ppbv	89
27) Carbon Disulfide	4.52	76	72324	0.511	ppbv #	87
28) Methyl tert-Butyl Ether	5.02	73	87212	0.473	ppbv	97
29) Chloroform	5.73	83	110173	0.553	ppbv	96
30) Cyclohexane	7.13	84	36357m	0.386	ppbv	
31) cis-1,2-Dichloroethene	5.52	61	51728m	0.435	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	97260	0.540	ppbv	97
34) 2-Butanone	5.23	43	80912	0.430	ppbv	98
35) Carbon Tetrachloride	7.01	117	94922	0.495	ppbv	87
36) Benzene	6.88	78	107357	0.428	ppbv #	86
37) 1,2-Dichloroethane	6.29	62	79528	0.513	ppbv	97
38) Trichloroethene	7.84	130	47630m	0.488	ppbv	
39) 1,2-Dichloropropane	7.61	63	46490m	0.463	ppbv	
40) 1,4-Dioxane	7.86	88	21753m	0.544	ppbv	
41) Tetrahydrofuran	6.05	42	36144m	0.366	ppbv	
42) Bromodichloromethane	7.79	83	106715	0.511	ppbv #	92
43) Methyl Methacrylate	8.02	69	38641	0.365	ppbv	95

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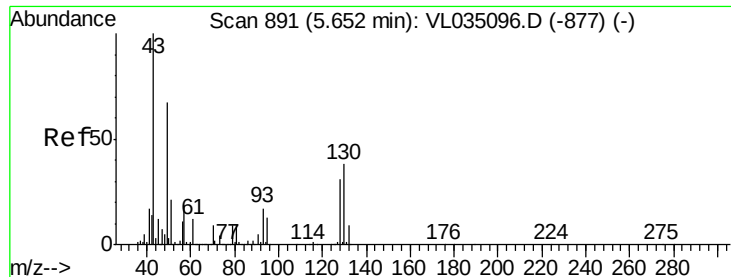
Manual Integrations
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Quant Time: Jun 20 01:34:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	194566	0.437	ppbv	97
45) t-1,3-Dichloropropene	9.29	75	35790	0.337	ppbv	94
46) cis-1,3-Dichloropropene	8.71	75	46877m	0.359	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	53041m	0.499	ppbv	
48) Dibromochloromethane	10.31	129	73722	0.452	ppbv	98
49) Bromoform	13.06	173	61026	0.436	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	106383	0.397	ppbv	94
51) 2-Hexanone	10.16	43	71314	0.341	ppbv #	96
52) Tetrachloroethene	11.24	164	40798m	0.456	ppbv	
53) Toluene	9.82	91	98017	0.369	ppbv	96
54) 1,2-Dibromoethane	10.62	107	71843	0.461	ppbv #	76
56) 1,1,1,2-Tetrachloroethane	12.14	131	67689m	0.536	ppbv	
57) Chlorobenzene	12.16	112	120052	0.540	ppbv	91
58) Ethyl Benzene	12.73	91	131147	0.381	ppbv	99
59) m/p-Xylene	13.02	91	280362m	0.923	ppbv	
60) o-Xylene	13.71	91	123328	0.411	ppbv	99
61) Styrene	13.56	104	63927	0.338	ppbv	98
62) Isopropylbenzene	14.69	105	204670	0.458	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	121378m	0.512	ppbv	
64) n-propylbenzene	15.60	120	49799m	0.433	ppbv	
65) tert-Butylbenzene	16.77	119	169053	0.435	ppbv	91
66) Benzyl Chloride	17.02	91	47130m	0.366	ppbv	
67) sec-Butylbenzene	17.32	105	256013m	0.462	ppbv	
69) p-Isopropyltoluene	17.69	119	189582	0.423	ppbv	98
70) n-Butylbenzene	18.58	91	216868	0.455	ppbv	94
71) 2-Chlorotoluene	15.48	91	144266	0.427	ppbv	95
72) 4-Ethyltoluene	15.87	105	137199	0.409	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.02	105	133901	0.412	ppbv	88
74) 1,2,4-Trimethylbenzene	16.79	105	173608m	0.489	ppbv	
75) 1,3-Dichlorobenzene	17.03	146	118992m	0.569	ppbv	
76) 1,4-Dichlorobenzene	17.18	146	94822m	0.478	ppbv	
77) 1,2-Dichlorobenzene	17.85	146	94840m	0.484	ppbv	
78) Hexachloro-1,3-Butadiene	23.42	225	92650m	0.552	ppbv	
79) Naphthalene	22.26	128	121783	0.445	ppbv #	93
80) Naphthalene, 2-methyl-	25.01	142	30932	0.449	ppbv #	87
81) 1,2,4-Trichlorobenzene	21.98	180	81489m	0.488	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.01 min

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Tot Ion: 49 Resp: 1263025

Ion Ratio Lower Upper

49 100

128 46.9 22.9 68.5

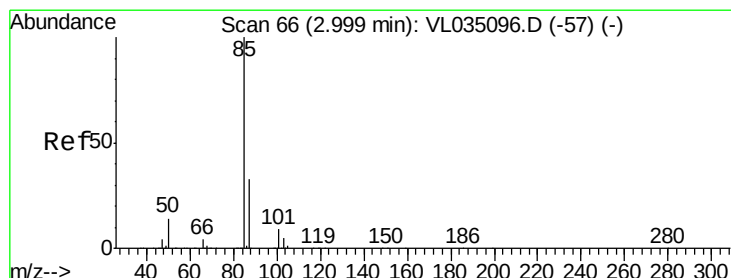
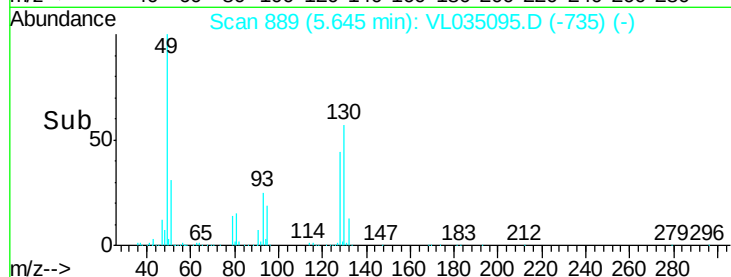
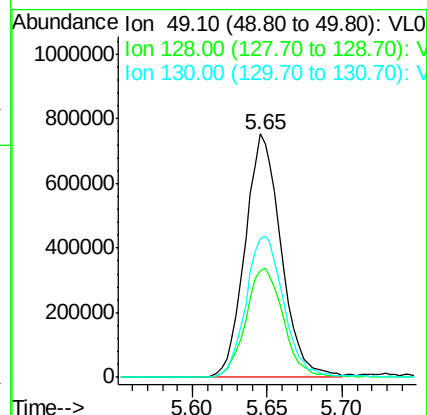
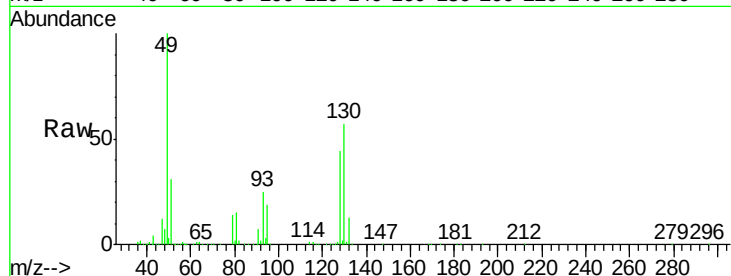
130 61.4 29.0 87.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 0.701 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL035095.D

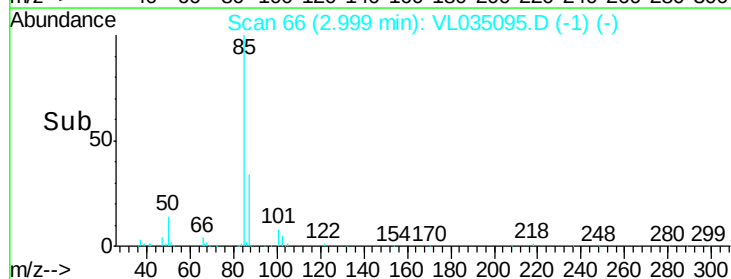
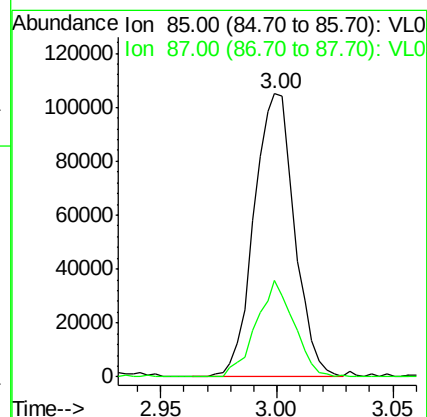
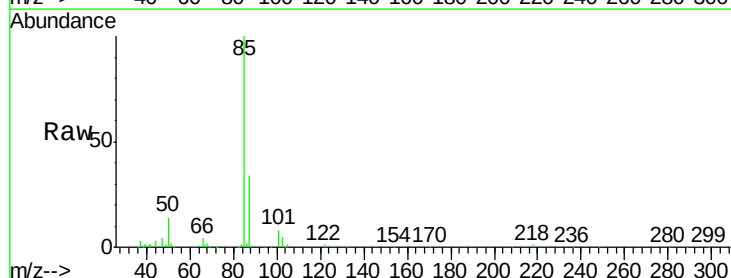
Acq: 19 Jun 2020 15:12

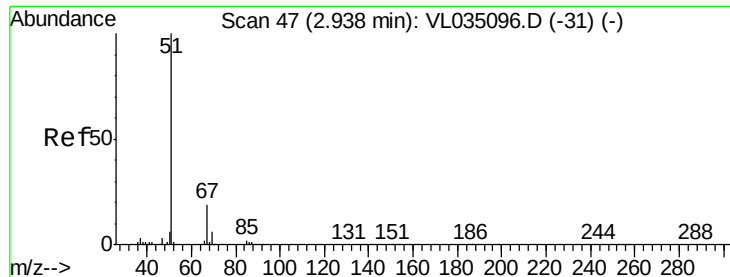
Tgt Ion: 85 Resp: 127374

Ion Ratio Lower Upper

85 100

87 33.8 26.1 39.1





#3

Chlorodifluoromethane

Concen: 0.557 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 51 Resp: 80458

Ion Ratio Lower Upper

51 100

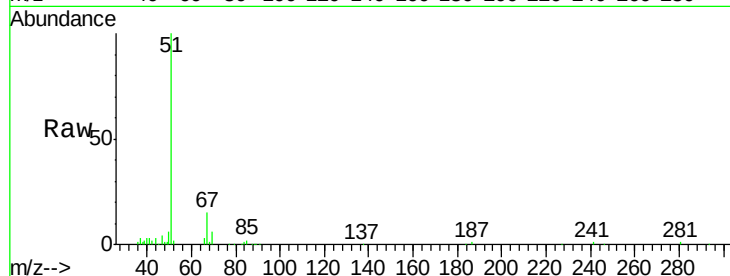
67 20.2 15.2 22.8

Manual Integrations

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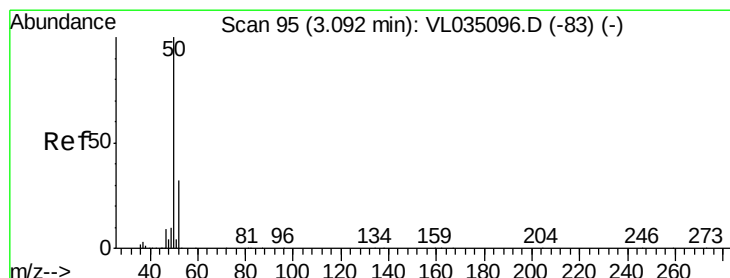
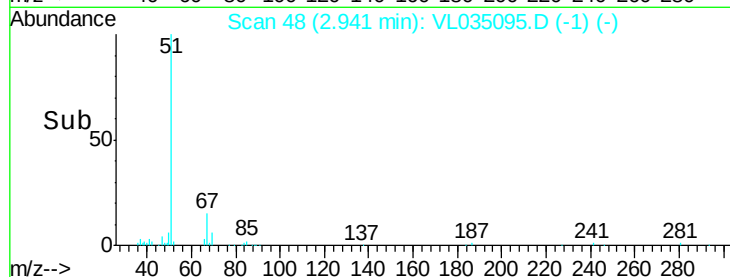
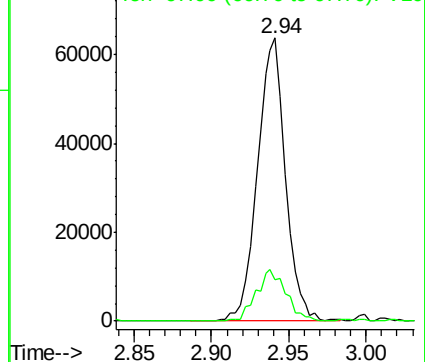
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.532 ppbv

RT: 3.09 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL035095.D

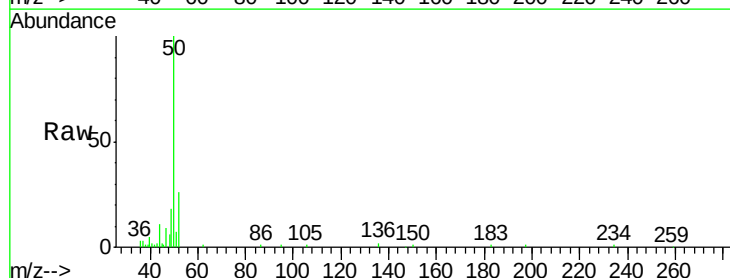
Acq: 19 Jun 2020 15:12

Tgt Ion: 50 Resp: 44014

Ion Ratio Lower Upper

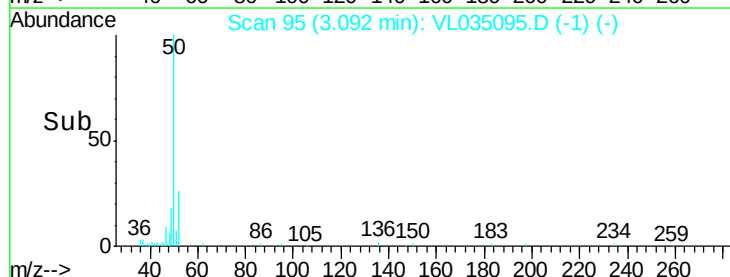
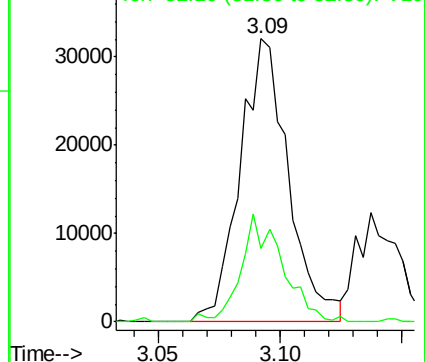
50 100

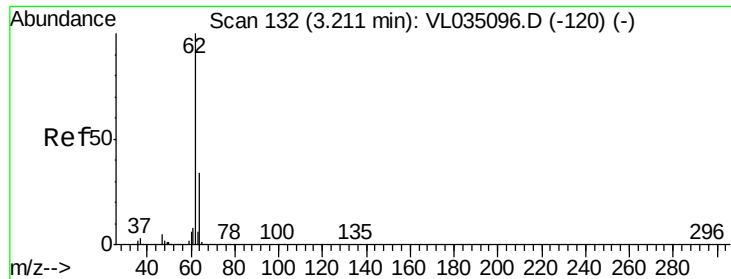
52 25.9 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.537 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 62 Resp: 43251

Ion Ratio Lower Upper

62 100

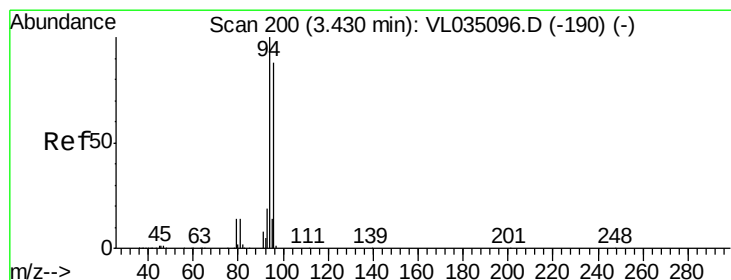
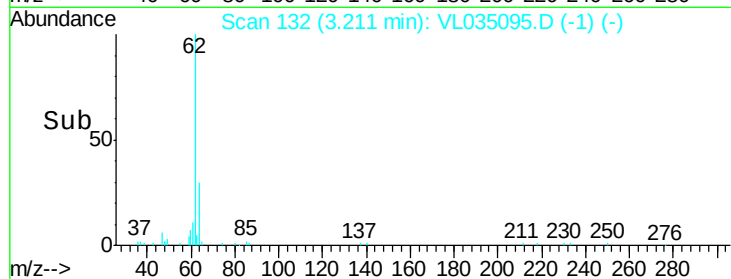
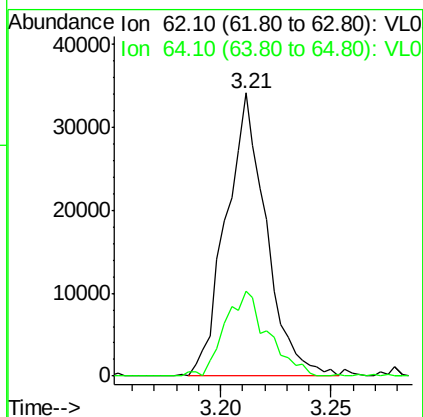
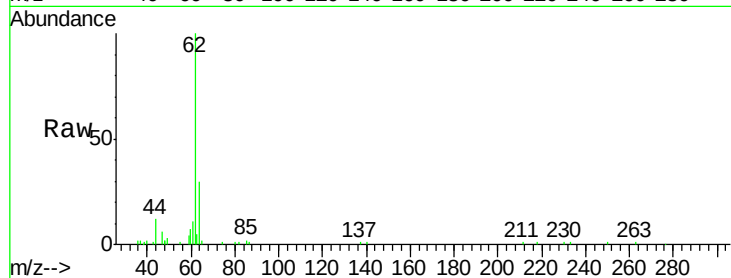
64 29.4 27.0 40.4

Manual Integrations

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#6

Bromomethane

Concen: 0.582 ppbv

RT: 3.43 min Scan# 200

Delta R.T. 0.00 min

Lab File: VL035095.D

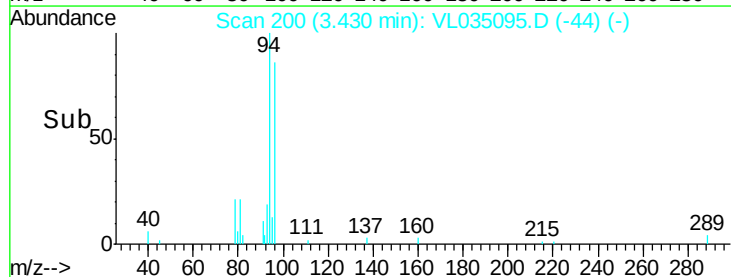
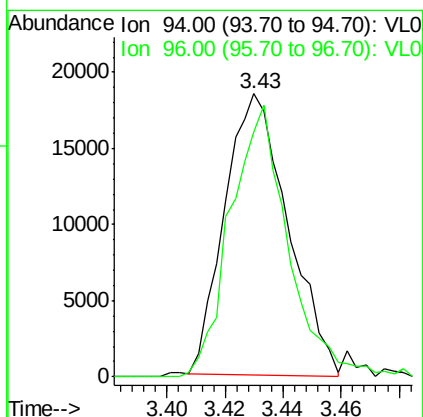
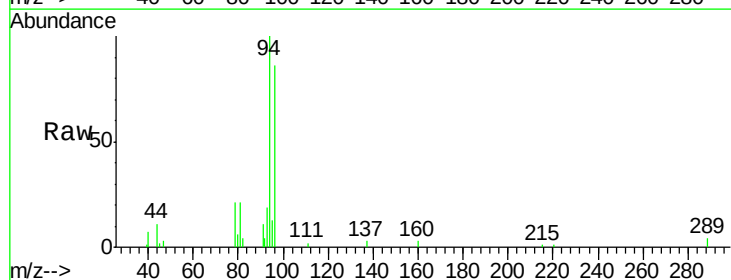
Acq: 19 Jun 2020 15:12

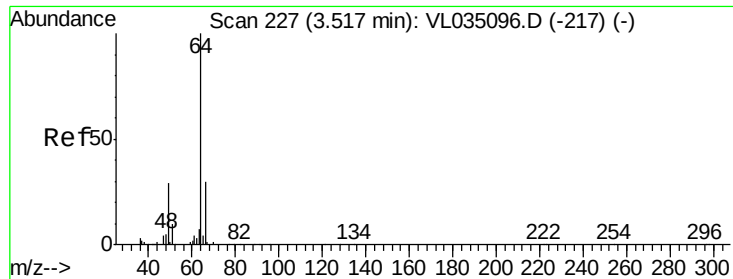
Tgt Ion: 94 Resp: 28068

Ion Ratio Lower Upper

94 100

96 86.0 70.2 105.2





#7

Chloroethane

Concen: 0.594 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.00 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 64 Resp: 17171

Ion Ratio Lower Upper

64 100

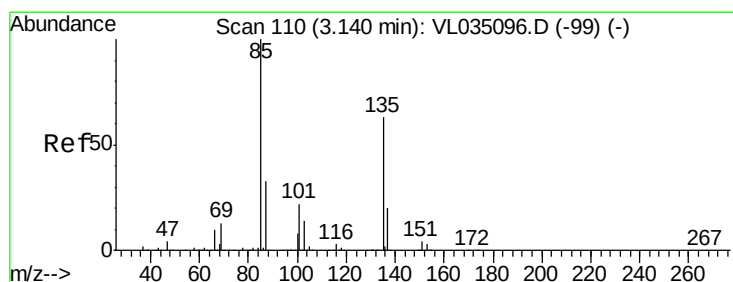
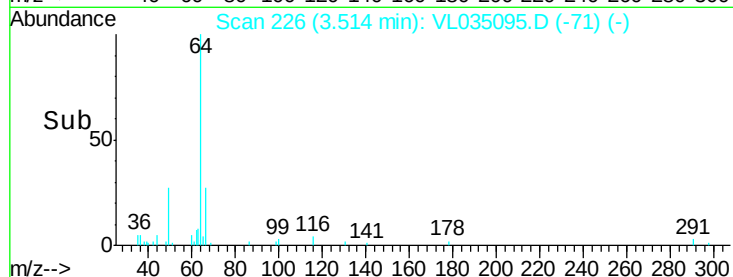
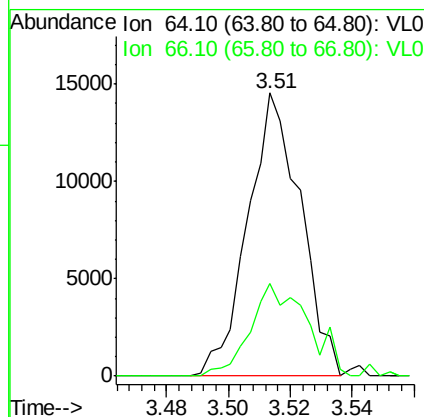
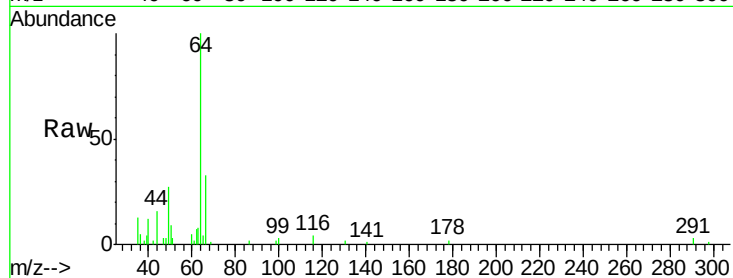
66 32.6 24.2 36.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.582 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL035095.D

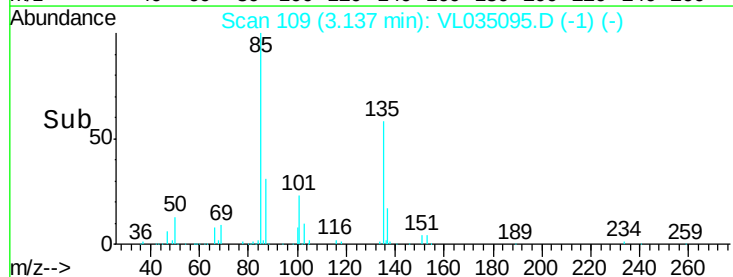
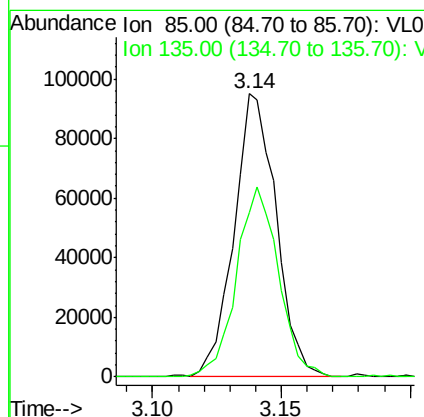
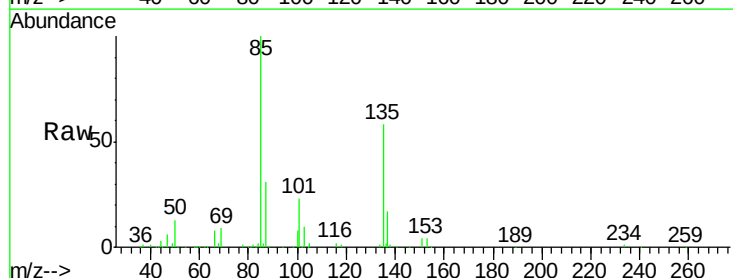
Acq: 19 Jun 2020 15:12

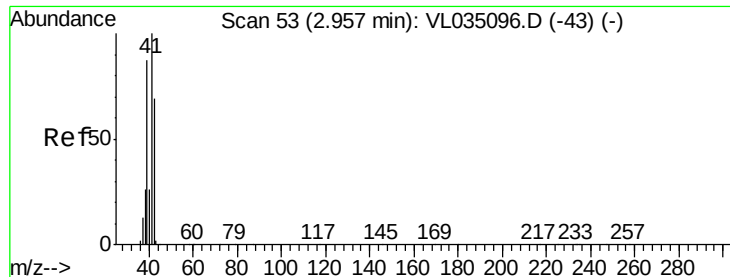
Tgt Ion: 85 Resp: 108367

Ion Ratio Lower Upper

85 100

135 67.3 51.0 76.6





#9

Propene

Concen: 0.474 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.00 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 41 Resp: 29393

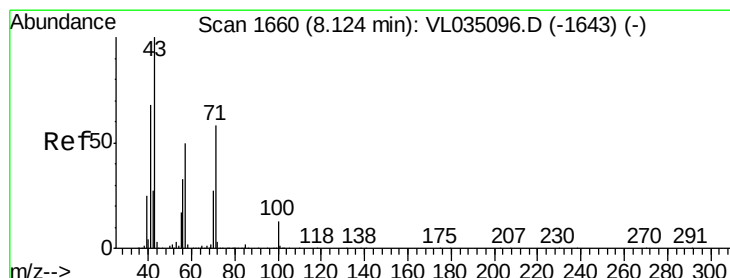
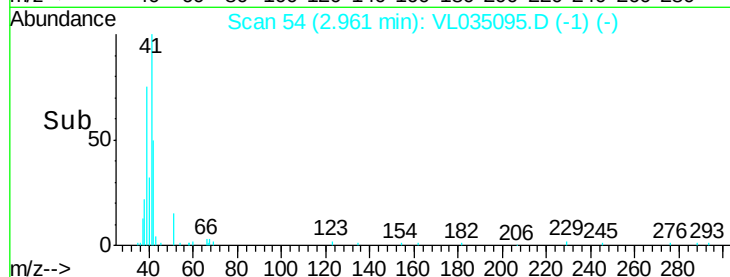
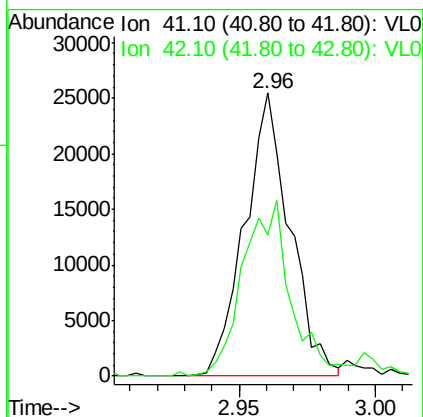
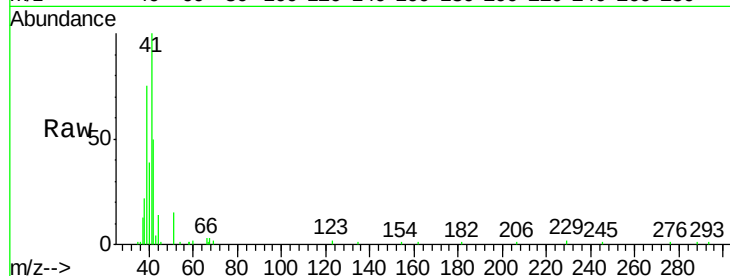
Ion Ratio Lower Upper

41 100

42 69.8 55.8 83.6

Manual Integrations
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#10

Heptane

Concen: 0.394 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL035095.D

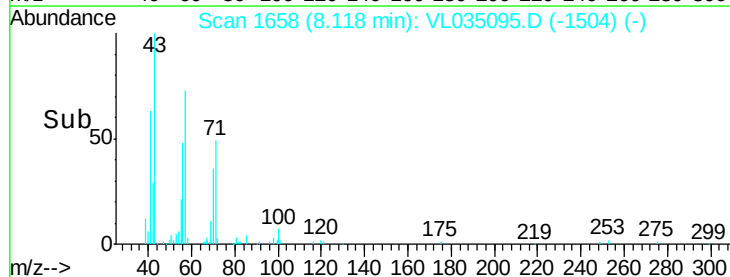
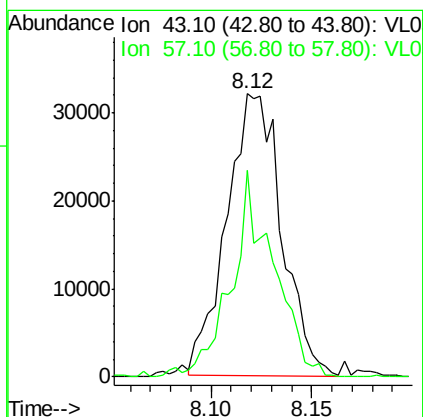
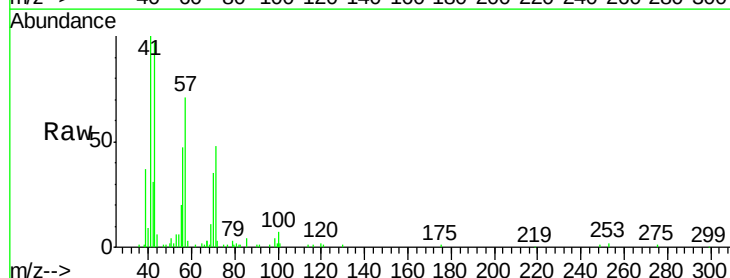
Acq: 19 Jun 2020 15:12

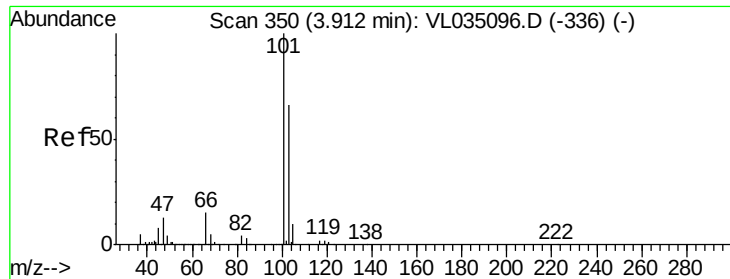
Tgt Ion: 43 Resp: 61218

Ion Ratio Lower Upper

43 100

57 56.8 41.9 62.9





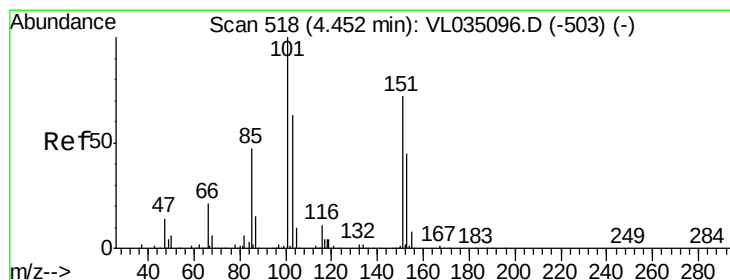
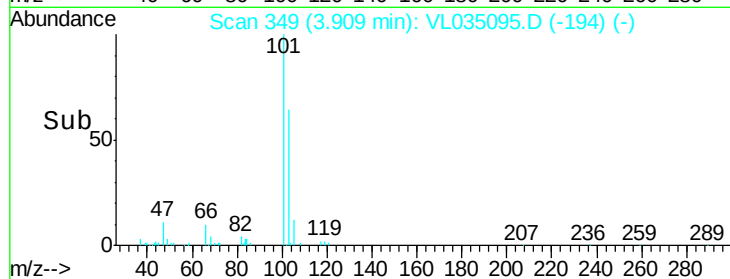
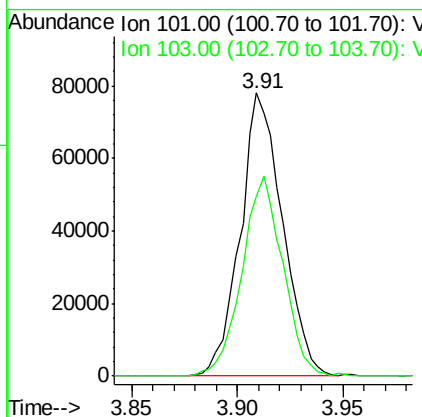
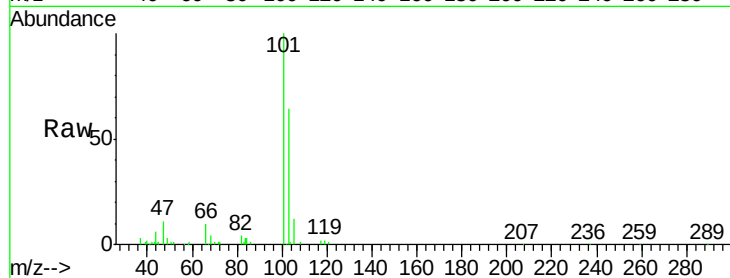
#11
 Trichlorofluoromethane
 Concen: 0.589 ppbv
 RT: 3.91 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VL035095.D
 Acq: 19 Jun 2020 15:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.6	79.0

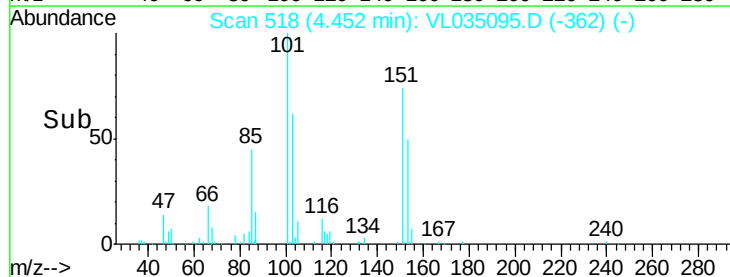
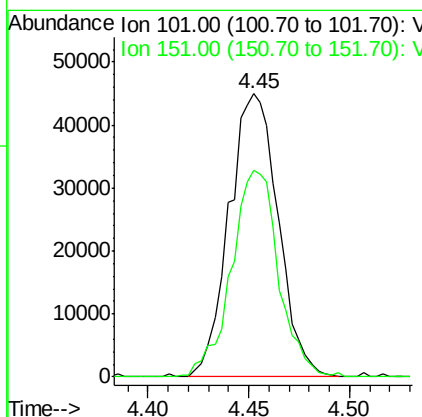
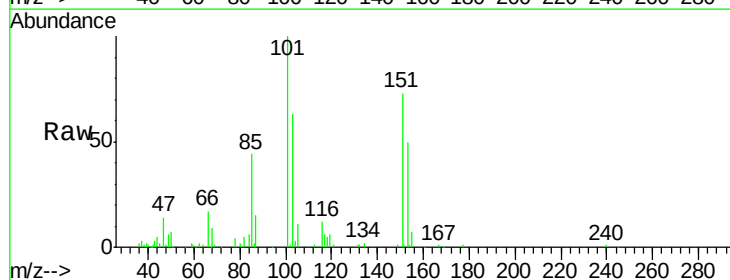
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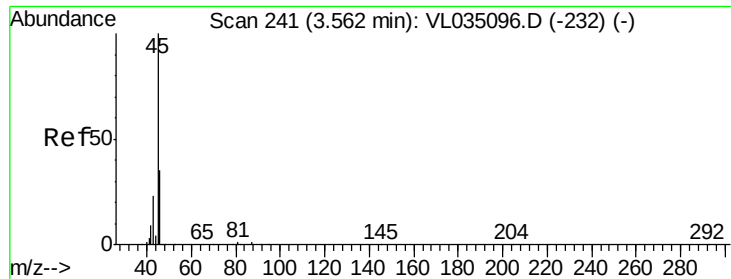
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.582 ppbv
 RT: 4.45 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VL035095.D
 Acq: 19 Jun 2020 15:12

Tgt Ion	Ratio	Lower	Upper
101	100		
151	70.3	56.6	85.0





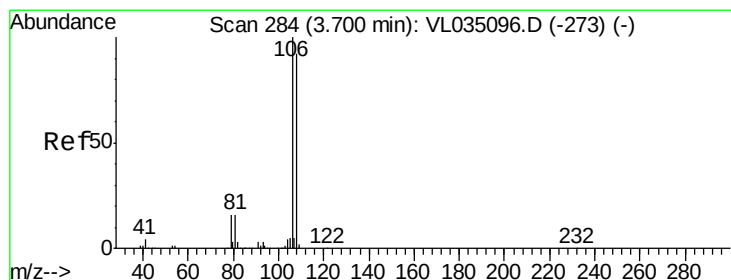
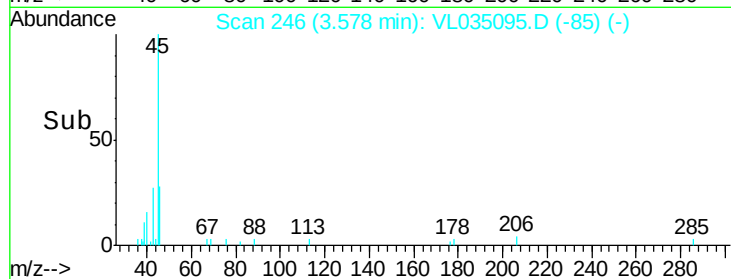
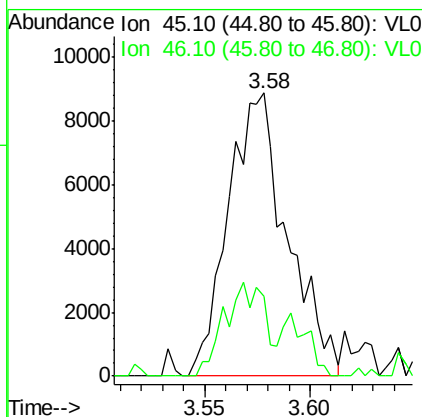
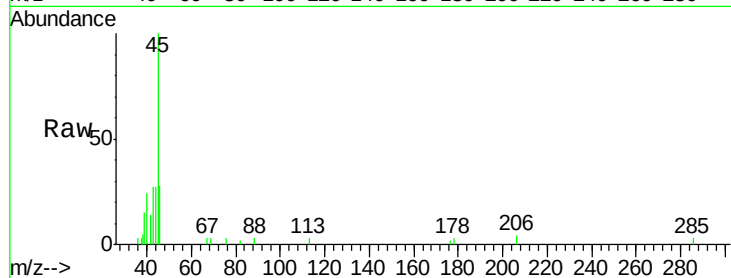
#13
Ethanol
Concen: 0.863 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.02 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
45	100		
46	32.2	14.2	57.0

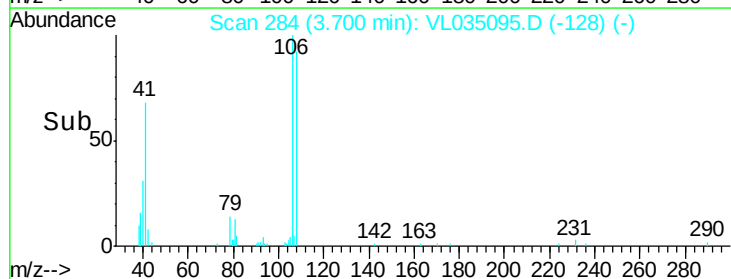
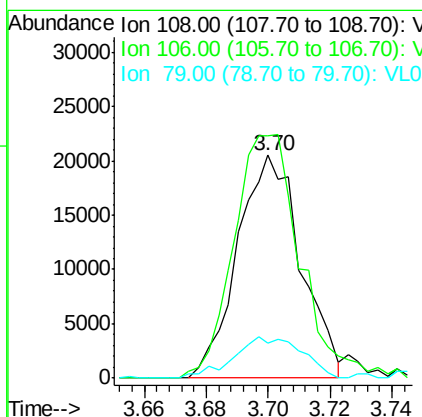
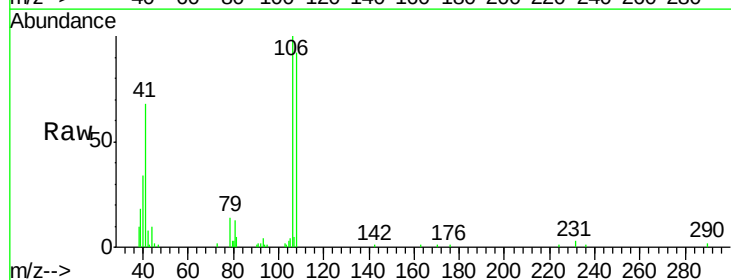
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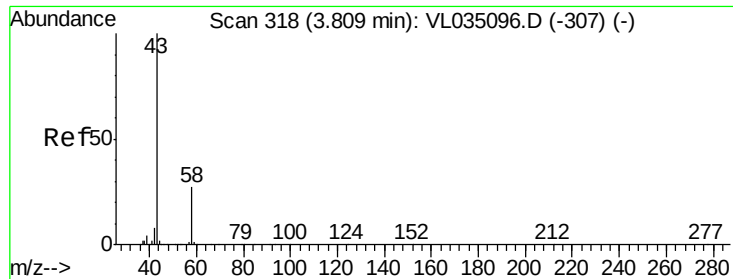
MMDadoda
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#14
Bromoethene
Concen: 0.537 ppbv
RT: 3.70 min Scan# 284
Delta R.T. 0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Tgt Ion	Ratio	Lower	Upper
108	100		
106	114.9	84.4	126.6
79	20.3	14.2	21.2





#15

Acetone

Concen: 0.564 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.01 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 43 Resp: 94042

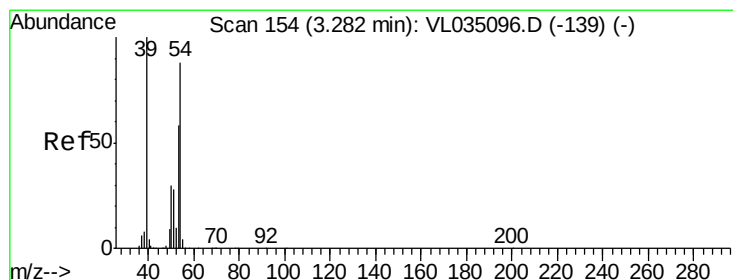
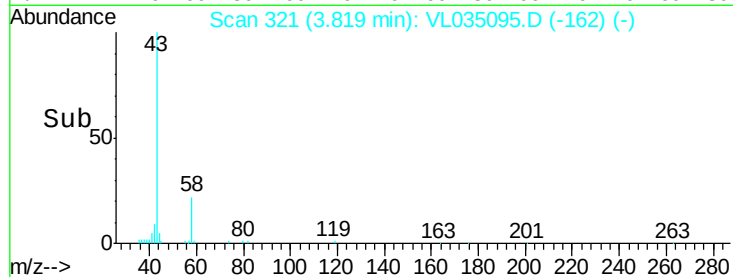
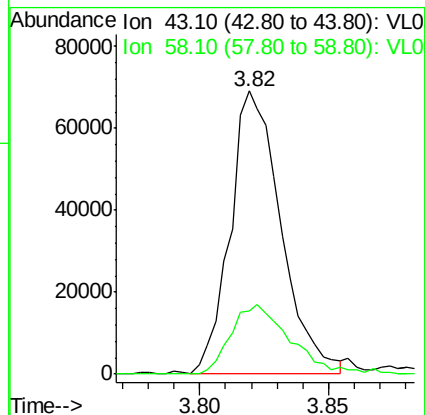
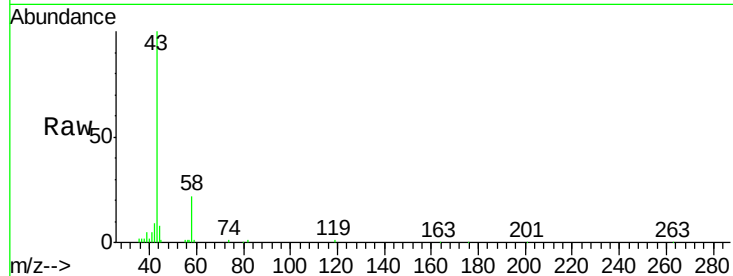
Ion Ratio Lower Upper

43 100

58 29.0 21.8 32.6

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#16

1,3-Butadiene

Concen: 0.462 ppbv

RT: 3.28 min Scan# 153

Delta R.T. -0.00 min

Lab File: VL035095.D

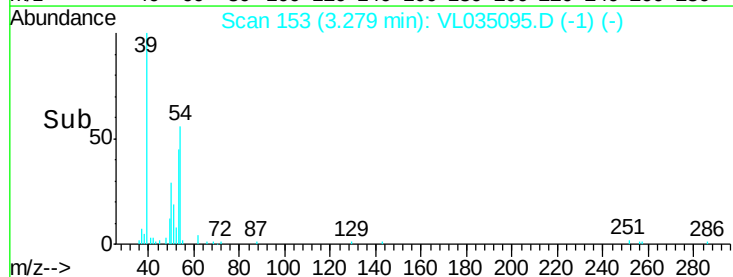
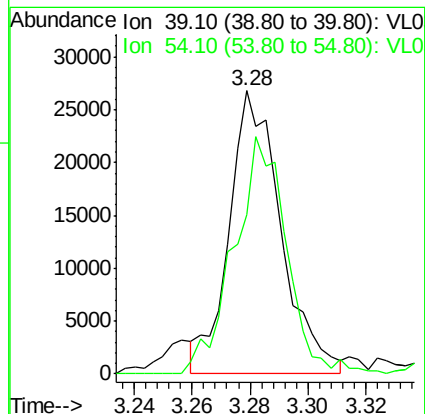
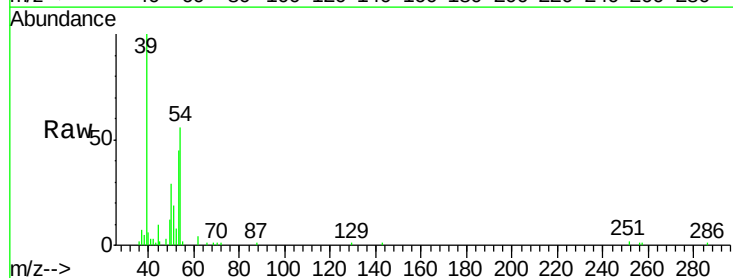
Acq: 19 Jun 2020 15:12

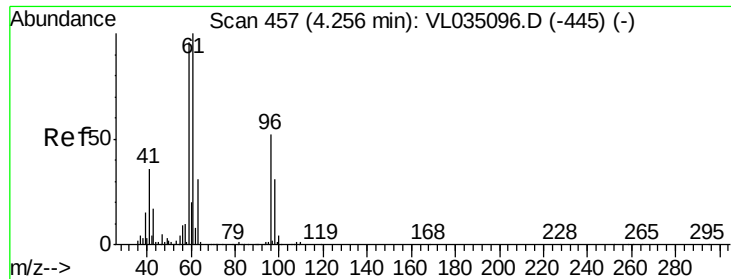
Tgt Ion: 39 Resp: 33206

Ion Ratio Lower Upper

39 100

54 86.0 67.0 100.4





#17

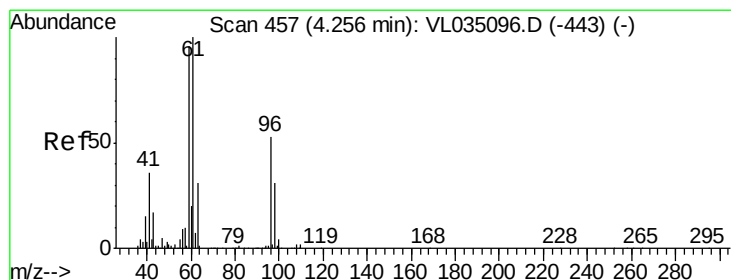
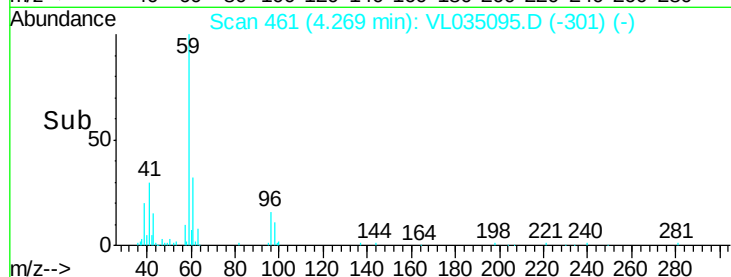
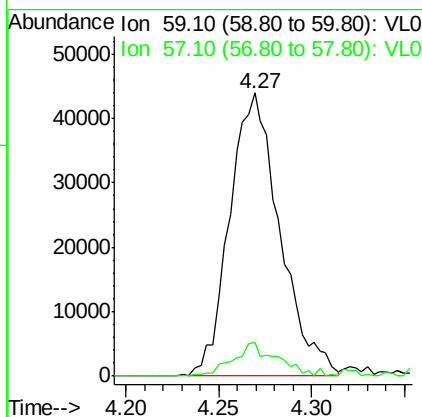
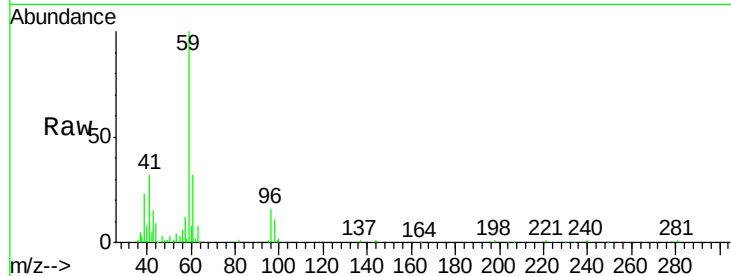
tert-Butyl alcohol
Concen: 0.560 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	59	Resp	82824
Ion Ratio	Lower	Upper	
59	100		
57	10.6	8.6	12.8

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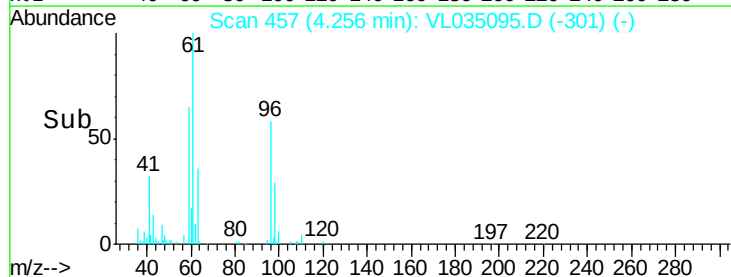
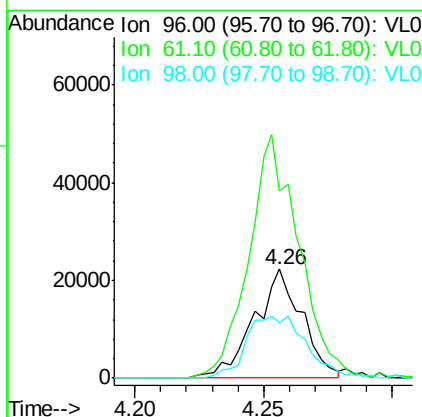
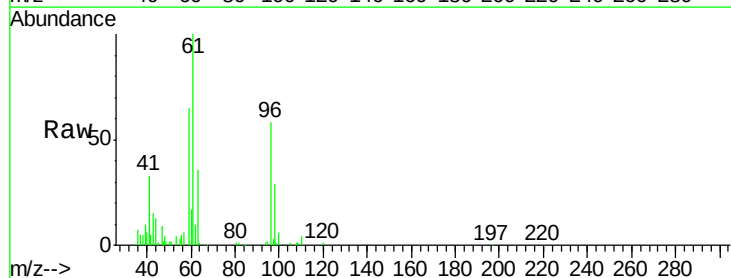
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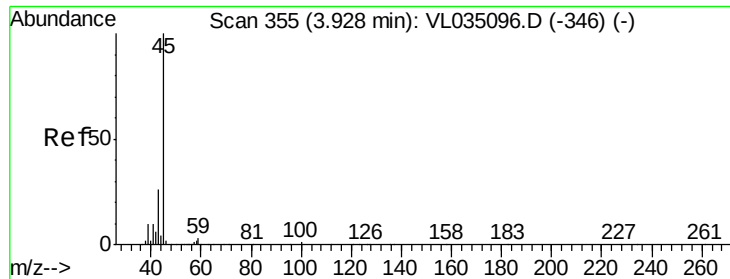


#18

1,1-Dichloroethene
Concen: 0.509 ppbv
RT: 4.26 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Tgt Ion	96	Resp	29017
Ion Ratio	Lower	Upper	
96	100		
61	189.8	152.2	228.4
98	50.7	47.7	71.5





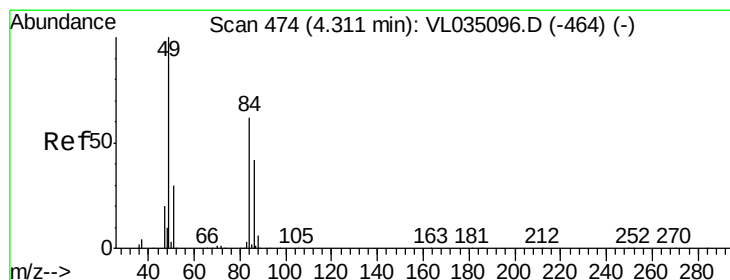
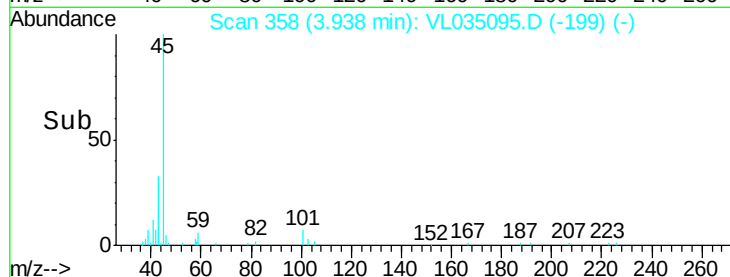
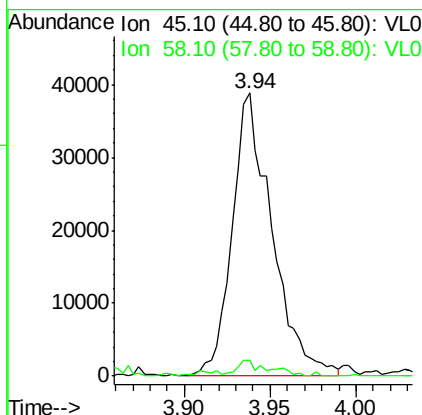
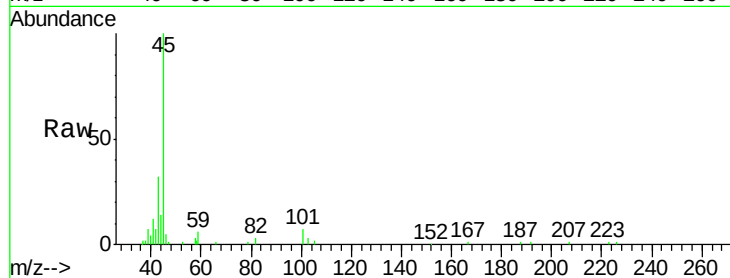
#19
Isopropyl Alcohol
Concen: 0.568 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.01 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion: 45 Resp: 62400
Ion Ratio Lower Upper
45 100
58 5.8 1.8 2.8#

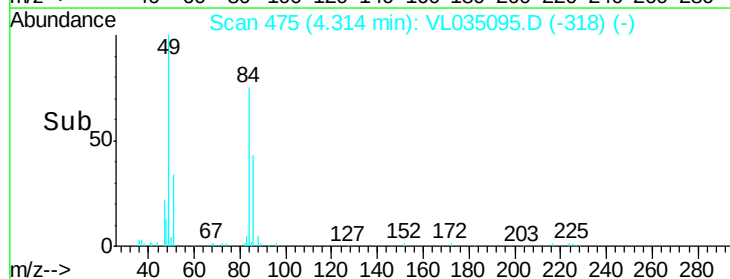
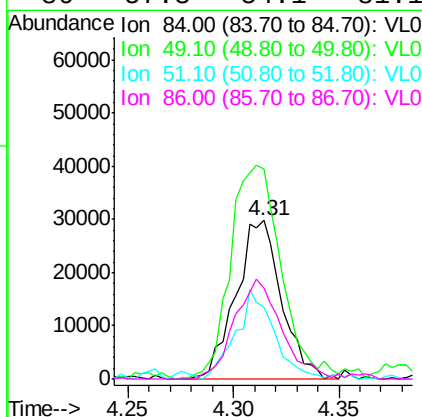
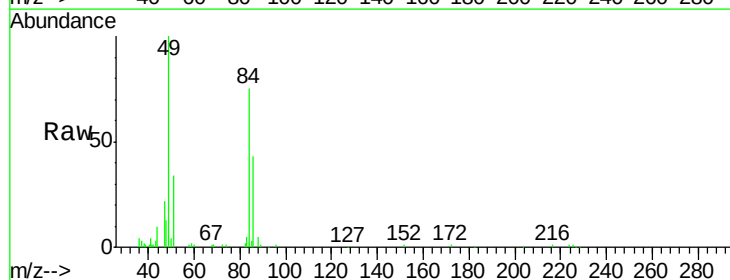
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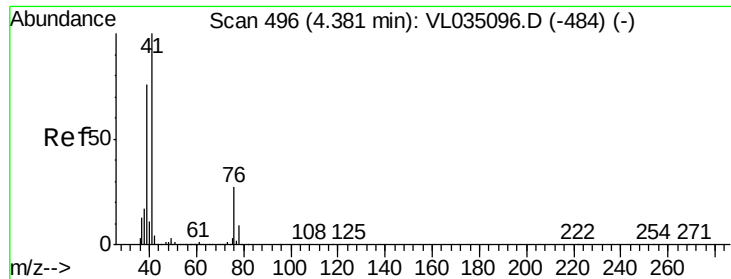
MMDadoda
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#20
Methylene Chloride
Concen: 0.813 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Tgt Ion: 84 Resp: 44825
Ion Ratio Lower Upper
84 100
49 131.6 128.8 193.2
51 42.5 38.7 58.1
86 57.3 54.1 81.1





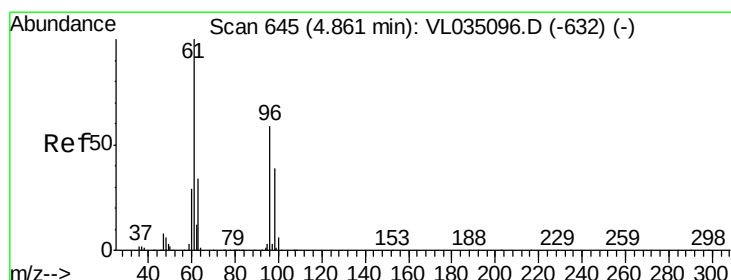
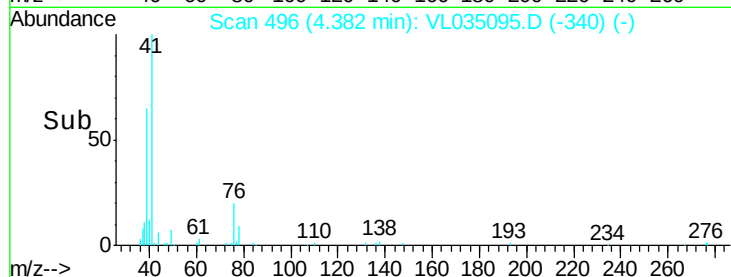
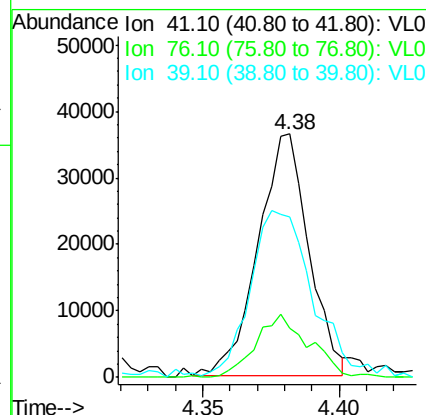
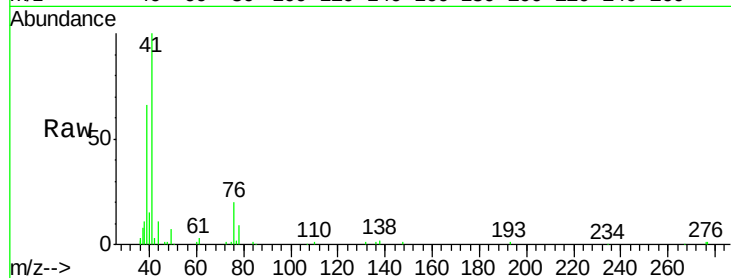
#21
Allvl Chloride
Concen: 0.502 ppbv
RT: 4.38 min Scan# 496
Delta R.T. 0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.5	22.6	34.0
39	88.1	61.6	92.4

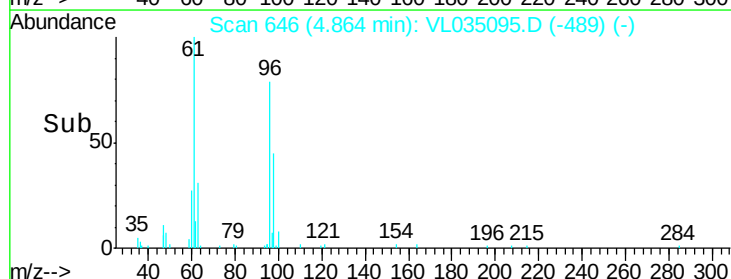
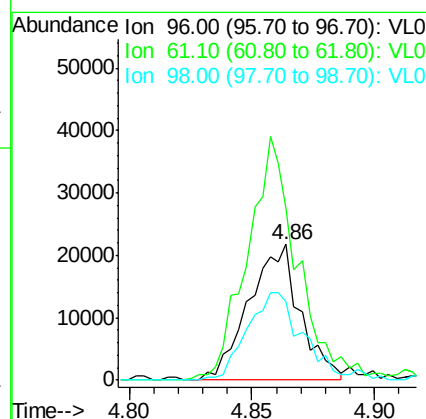
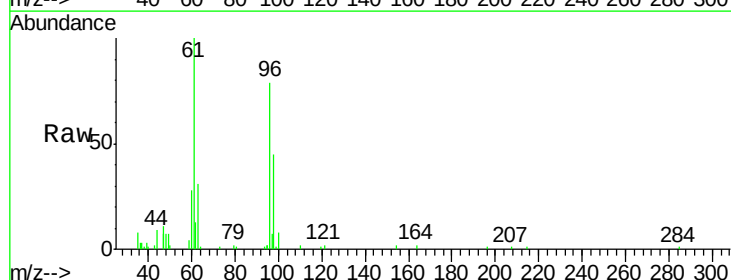
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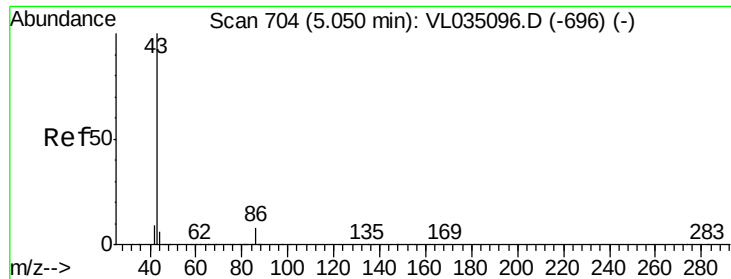
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 0.564 ppbv m
RT: 4.86 min Scan# 646
Delta R.T. 0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.8	134.5	201.7#
98	57.4	52.6	79.0





#23

Vinyl Acetate

Concen: 0.411 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.00 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Instrument :

MSVOA_L

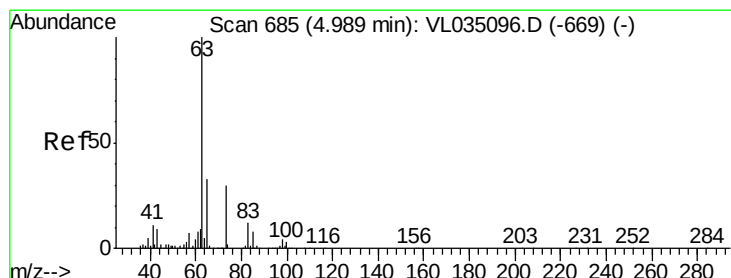
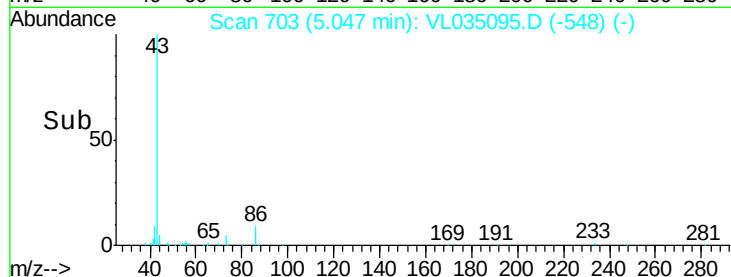
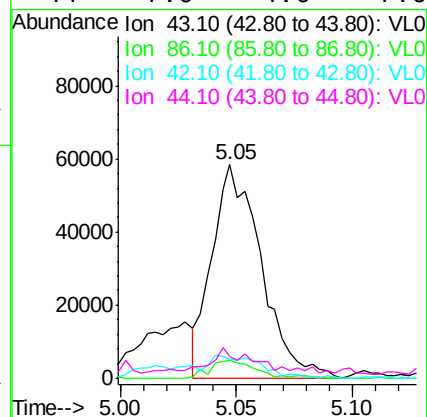
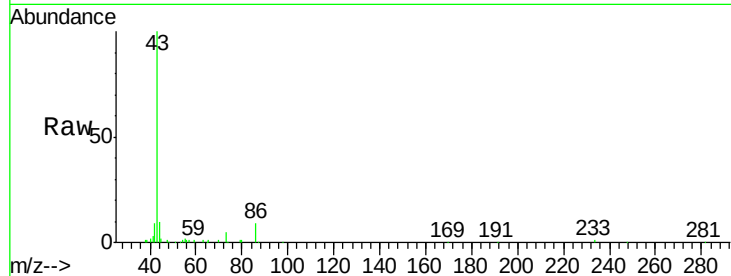
ClientSampleId :

VSTDICCC0.5

Tot Ion	43	Resp:	86031
Ion Ratio	Lower	Upper	
43	100		
86	8.5	6.2	9.2
42	8.7	8.1	12.1
44	7.9	4.6	7.0#

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#24

1,1-Dichloroethane

Concen: 0.537 ppbv

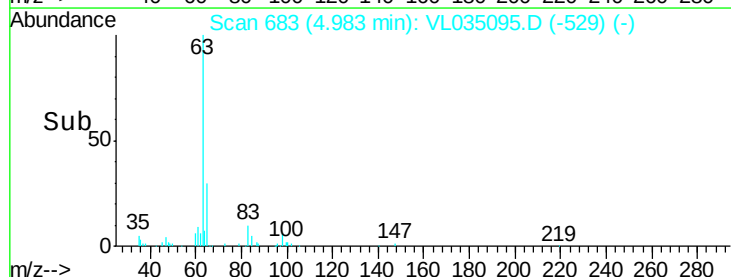
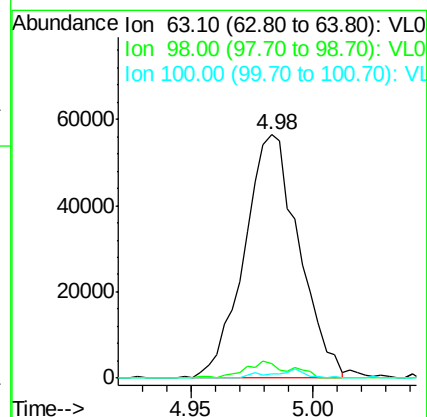
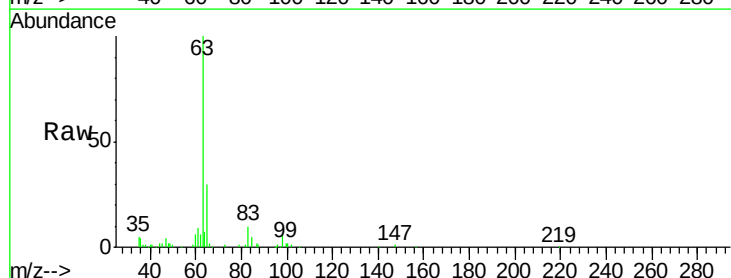
RT: 4.98 min Scan# 683

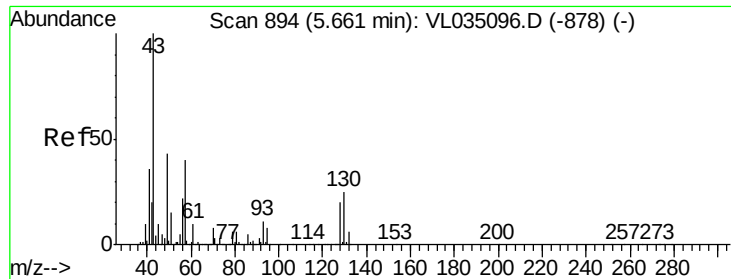
Delta R.T. -0.01 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Tgt Ion	63	Resp:	87562
Ion Ratio	Lower	Upper	
63	100		
98	5.9	2.3	6.9
100	1.6	1.4	4.0





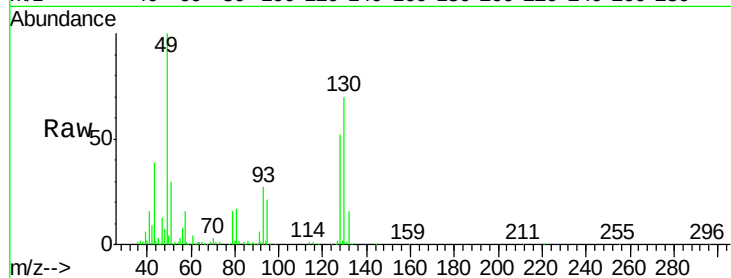
#25
Ethyl Acetate
Concen: 0.517 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

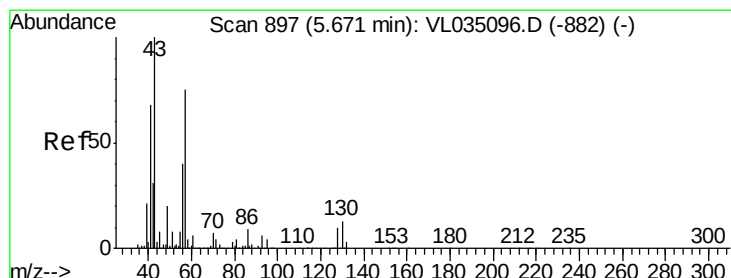
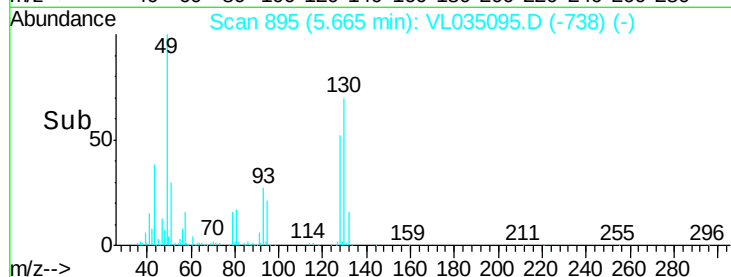
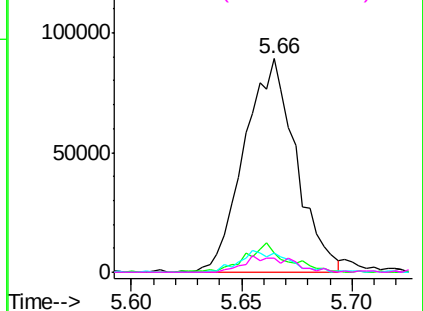
Tot Ion	43	Resp	144620
Ion Ratio	Lower	Upper	
43	100		
45	11.1	8.4	12.6
61	10.1	8.0	12.0
70	7.2	6.3	9.5

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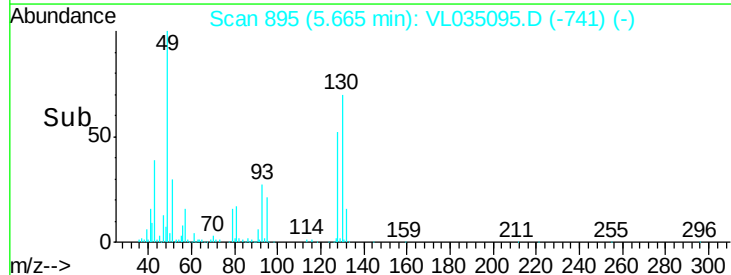
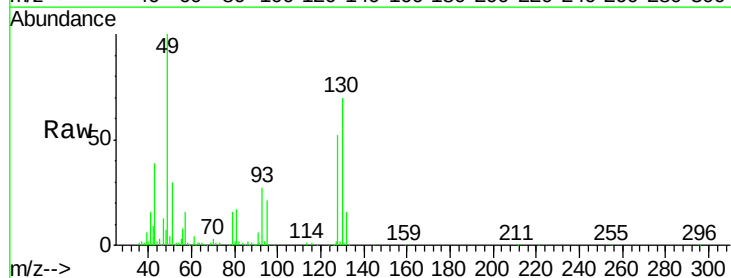
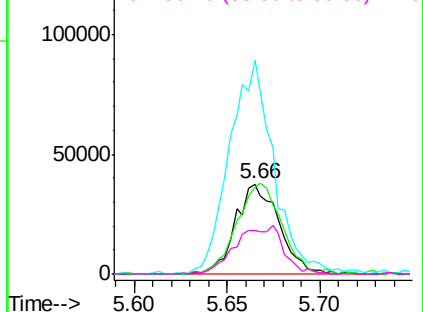
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

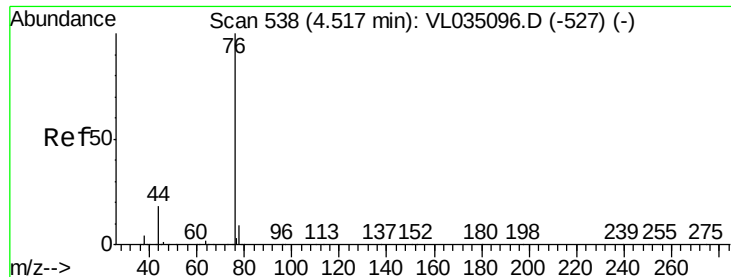


#26
Hexane
Concen: 0.505 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Tgt Ion	57	Resp	61365
Ion Ratio	Lower	Upper	
57	100		
41	106.2	72.9	109.3
43	243.0	181.3	271.9
56	59.0	43.1	64.7

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.511 ppbv

RT: 4.52 min Scan# 539

Delta R.T. 0.00 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Instrument :

MSVOA_L

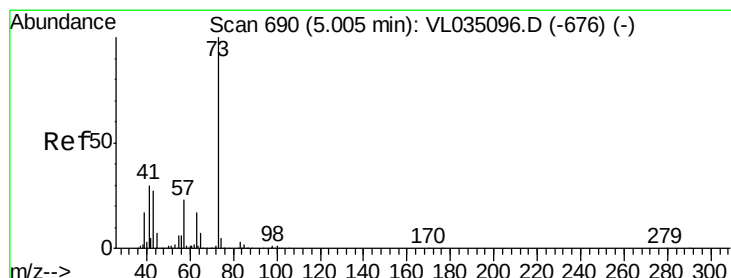
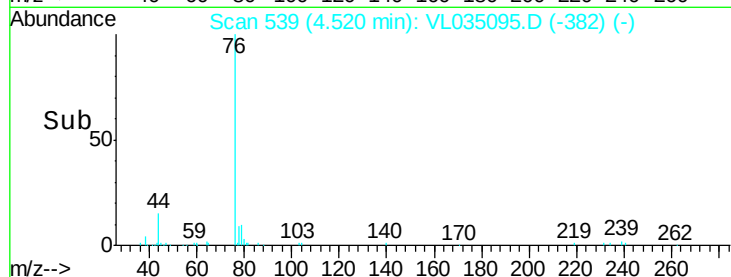
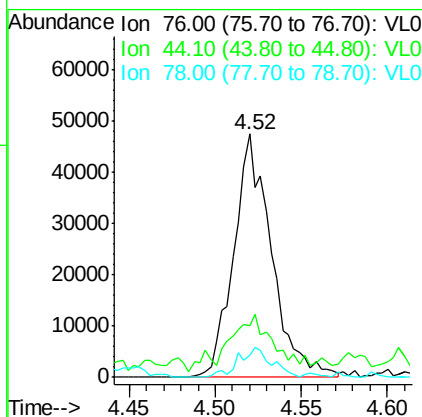
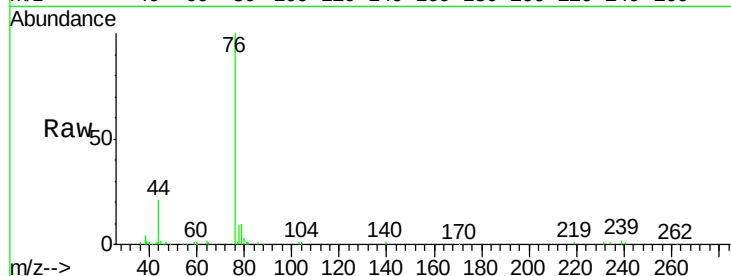
ClientSampleId :

VSTDICCC0.5

Tot Ion:	76	Resp:	72324
Ion	Ratio	Lower	Upper
76	100		
44	27.6	15.8	23.8#
78	11.6	7.6	11.4#

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#28

Methyl tert-Butyl Ether

Concen: 0.473 ppbv

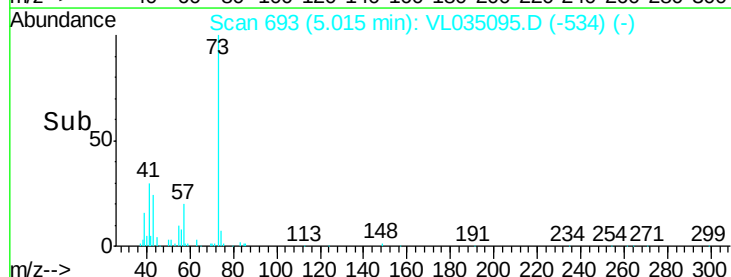
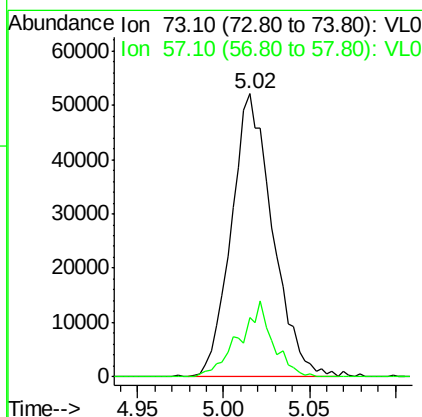
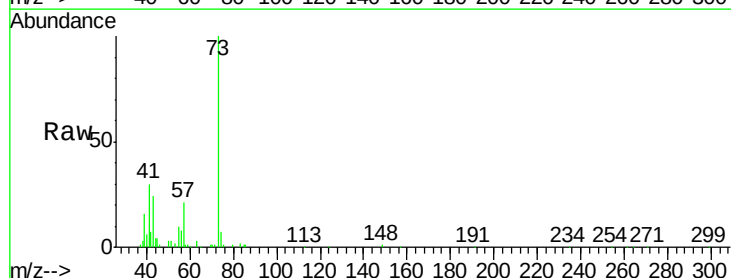
RT: 5.02 min Scan# 693

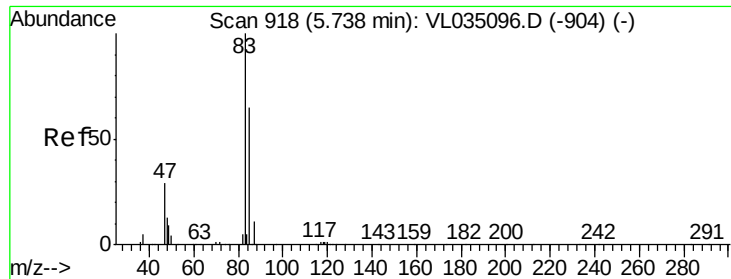
Delta R.T. 0.01 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Tgt Ion:	73	Resp:	87212
Ion	Ratio	Lower	Upper
73	100		
57	21.7	18.5	27.7





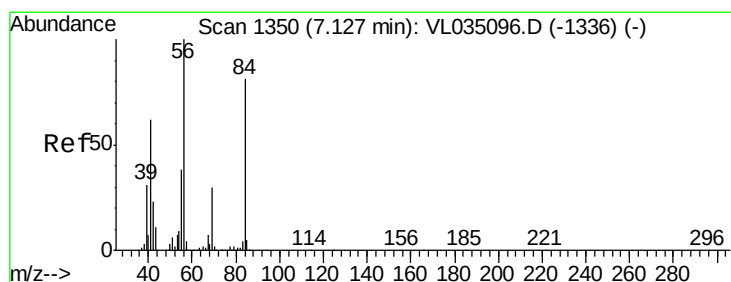
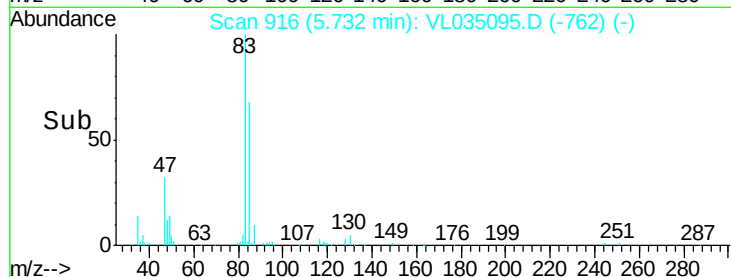
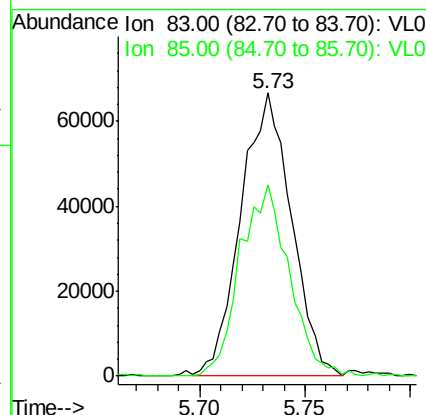
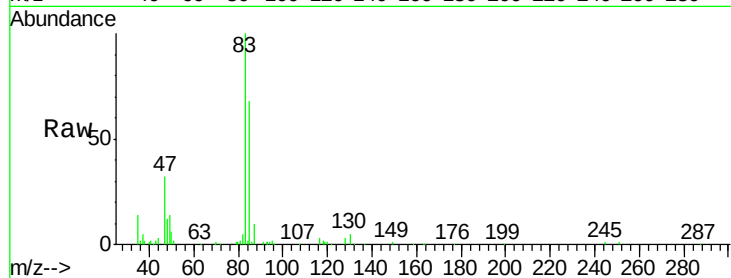
#29
Chloroform
Concen: 0.553 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.01 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	83	Resp	110173
Ion Ratio	Lower	Upper	
83	100		
85	67.9	52.1	78.1

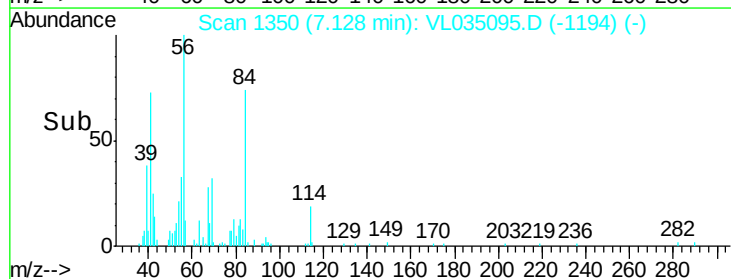
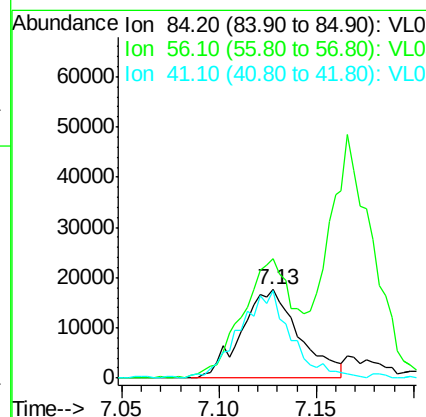
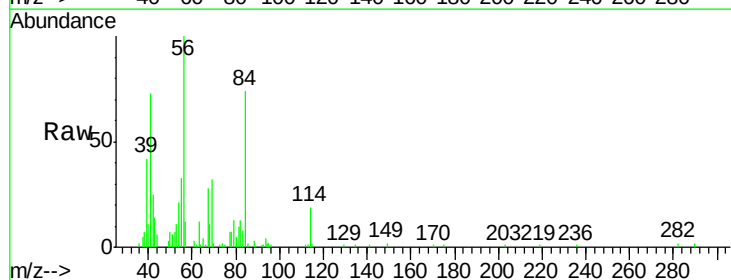
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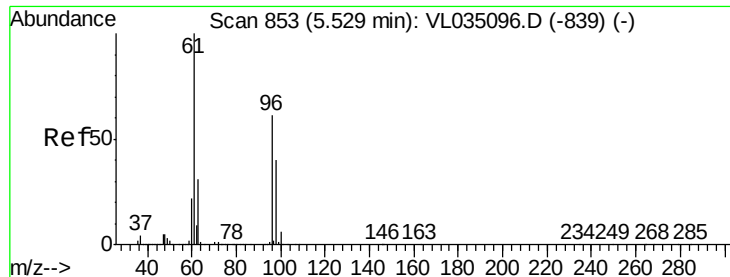
MMDadoda
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#30
Cyclohexane
Concen: 0.386 ppbv m
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Tgt Ion	84	Resp	36357
Ion Ratio	Lower	Upper	
84	100		
56	113.2	108.0	162.0
41	90.1	65.6	98.4





#31

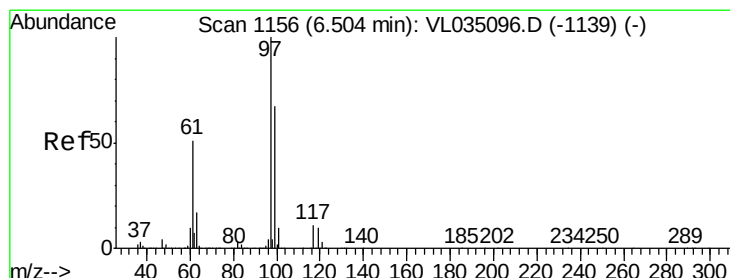
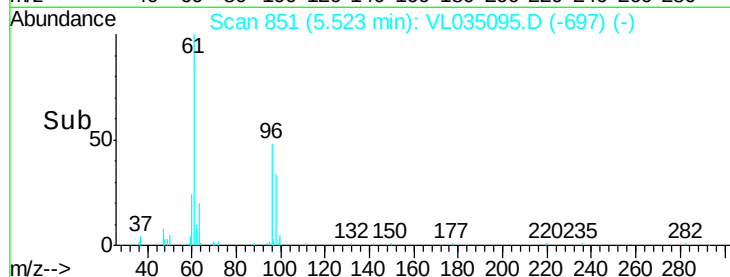
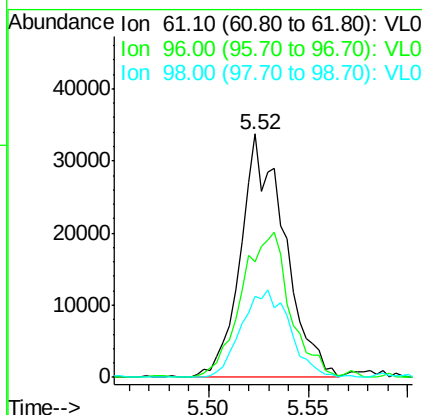
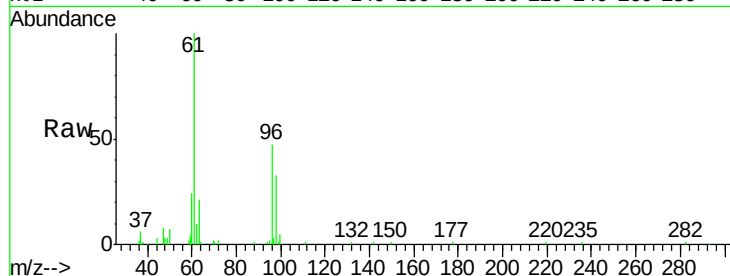
cis-1,2-Dichloroethene
Concen: 0.435 ppbv m
RT: 5.52 min Scan# 851
Delta R.T. -0.01 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	47.3	48.8	73.2#
98	33.4	31.9	47.9

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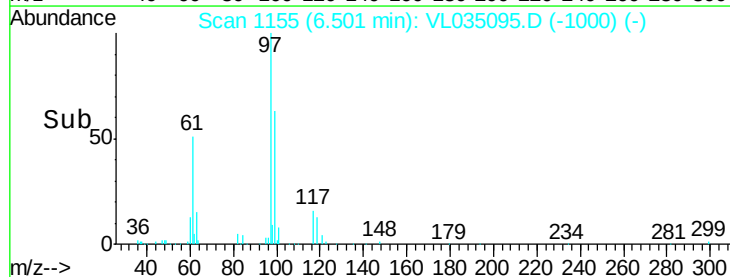
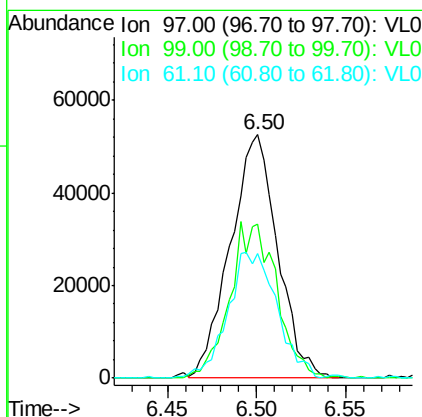
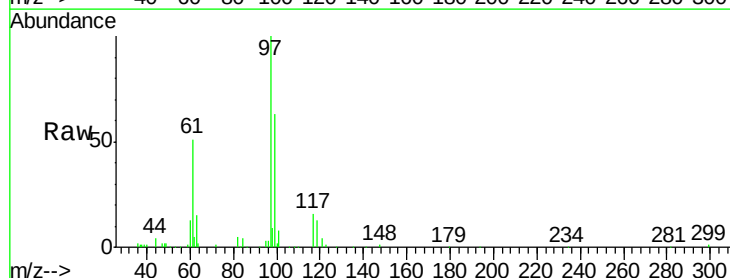
MMDadoda
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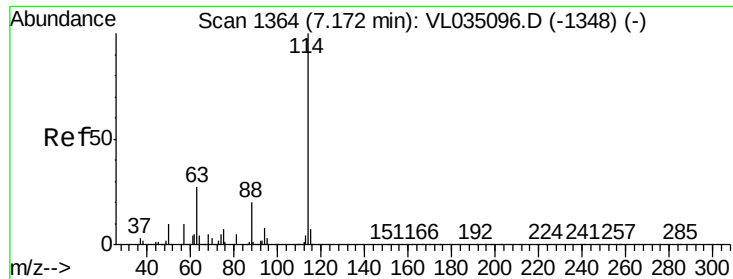


#32

1,1,1-Trichloroethane
Concen: 0.540 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. -0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	52.0	78.0
61	54.3	41.0	61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion:114 Resp: 3045326

Ion Ratio Lower Upper

114 100

63 27.4 21.9 32.9

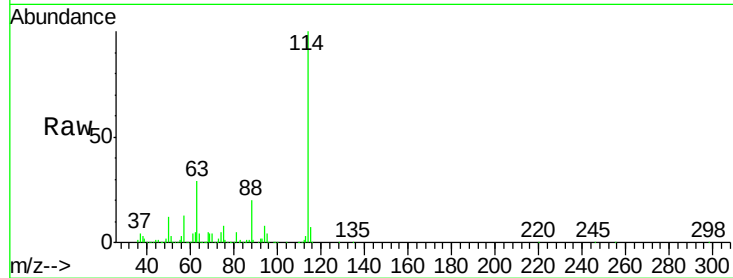
88 19.6 15.6 23.4

Manual Integrations

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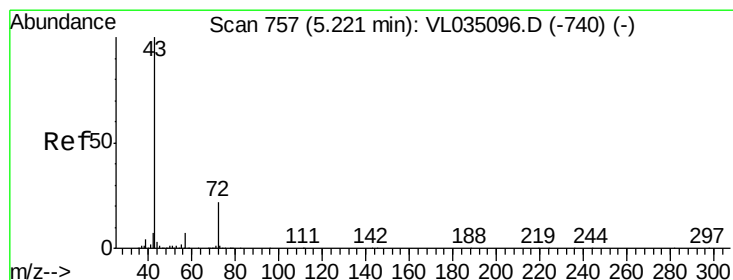
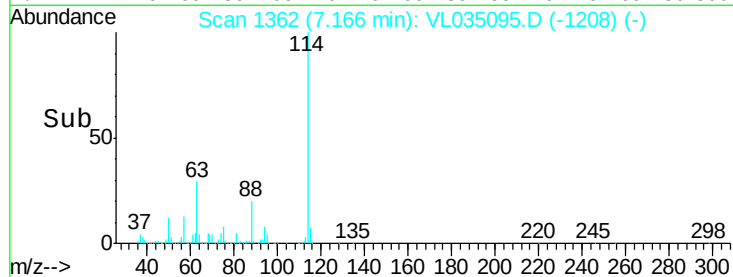
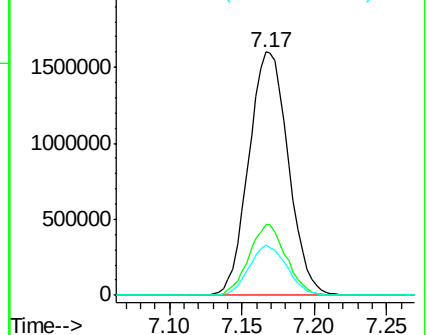
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.430 ppbv

RT: 5.23 min Scan# 759

Delta R.T. 0.01 min

Lab File: VL035095.D

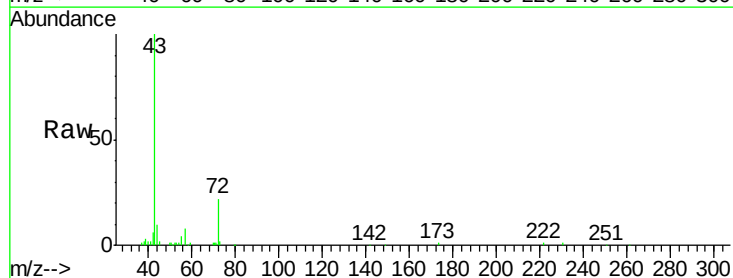
Acq: 19 Jun 2020 15:12

Tgt Ion: 43 Resp: 80912

Ion Ratio Lower Upper

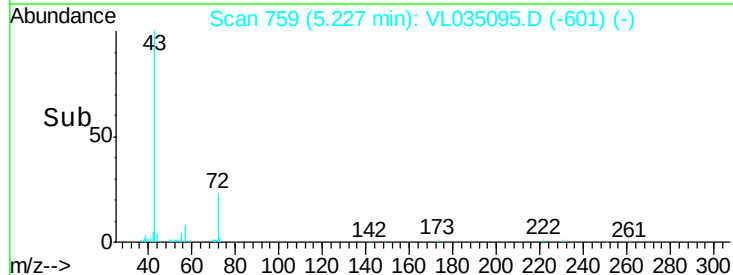
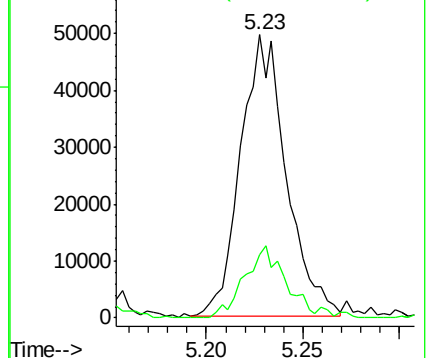
43 100

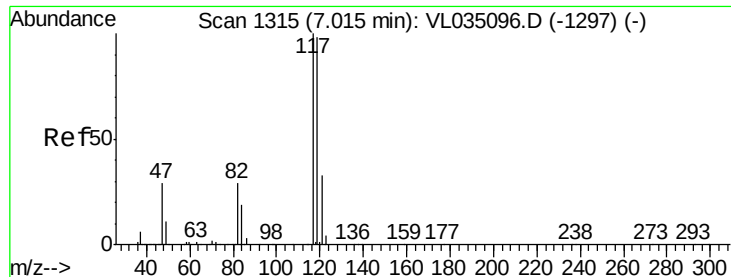
72 24.0 18.3 27.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.495 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Instrument :

MSVOA_L

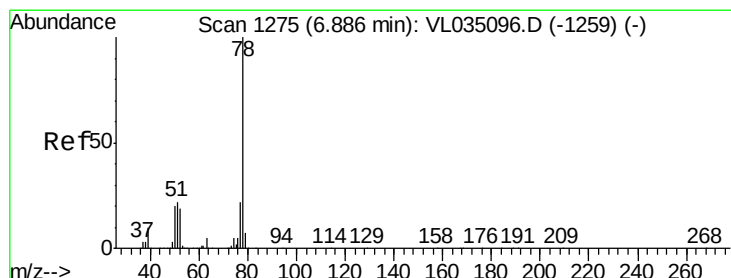
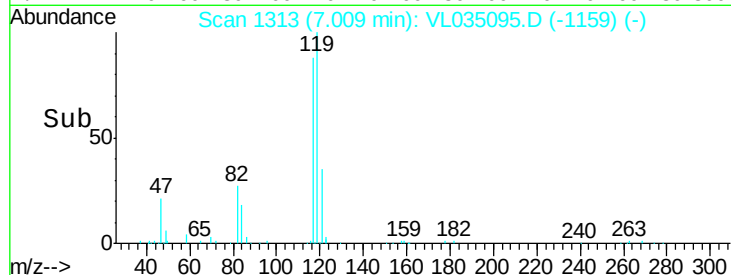
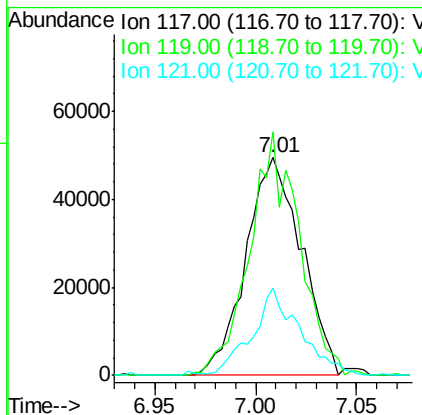
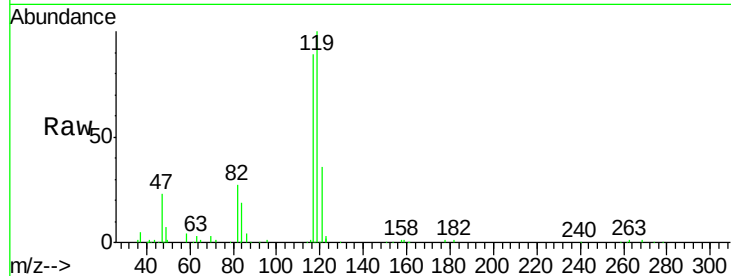
ClientSampleId :

VSTDICCC0.5

Tot Ion:	117	Resp:	94922
Ion	Ratio	Lower	Upper
117	100		
119	111.5	78.3	117.5
121	38.2	26.0	39.0

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#36

Benzene

Concen: 0.428 ppbv

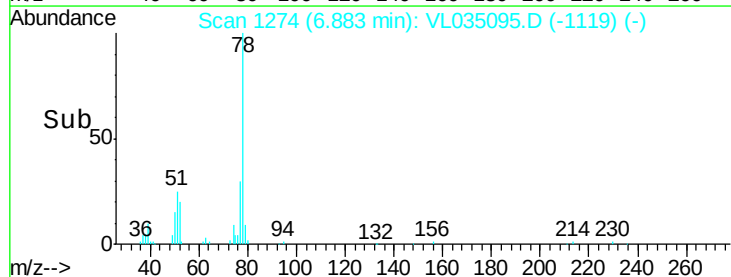
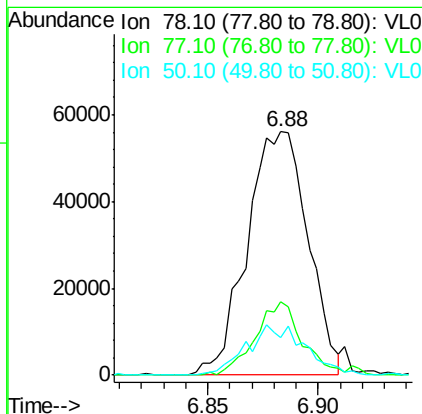
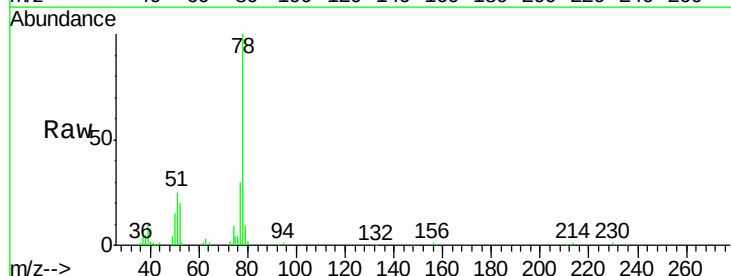
RT: 6.88 min Scan# 1274

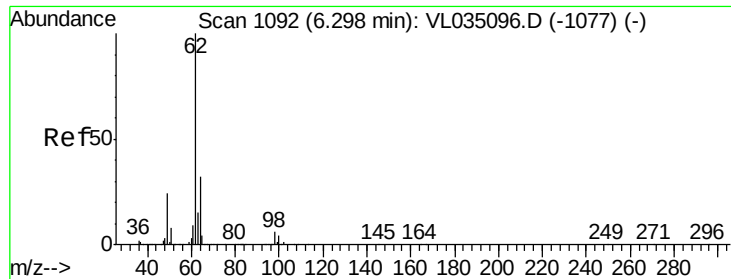
Delta R.T. -0.00 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Tgt Ion:	78	Resp:	107357
Ion	Ratio	Lower	Upper
78	100		
77	30.0	17.8	26.6#
50	14.7	16.2	24.2#





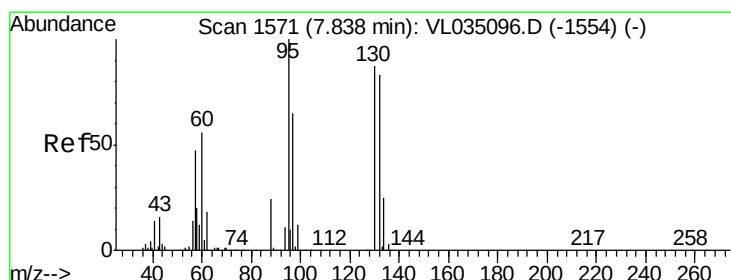
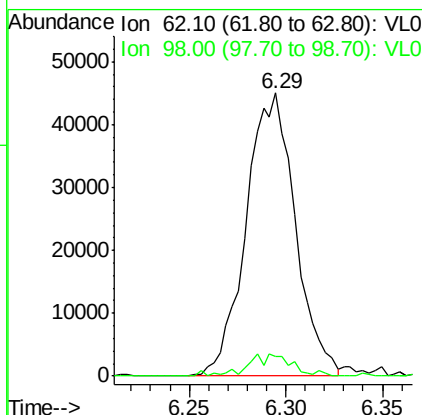
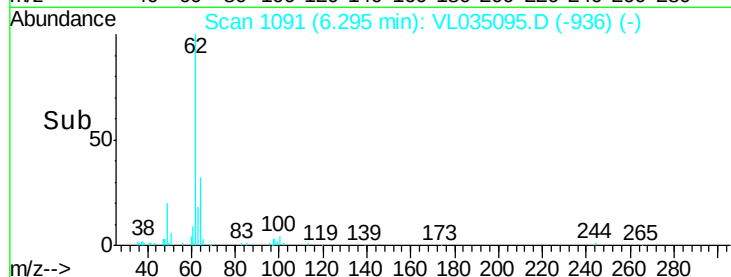
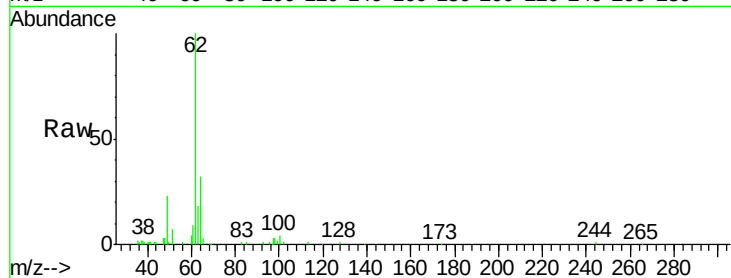
#37
 1,2-Dichloroethane
 Concen: 0.513 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VL035095.D
 Acq: 19 Jun 2020 15:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.9	4.8	7.2

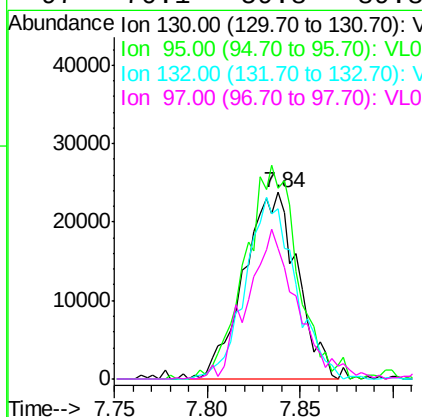
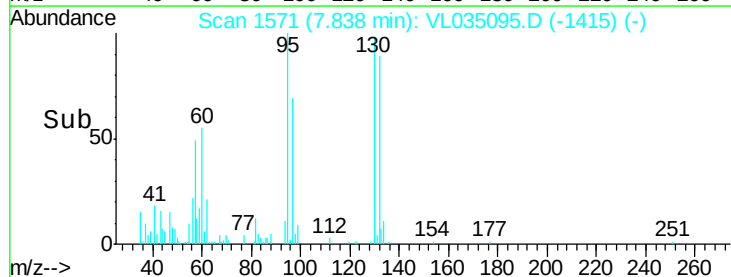
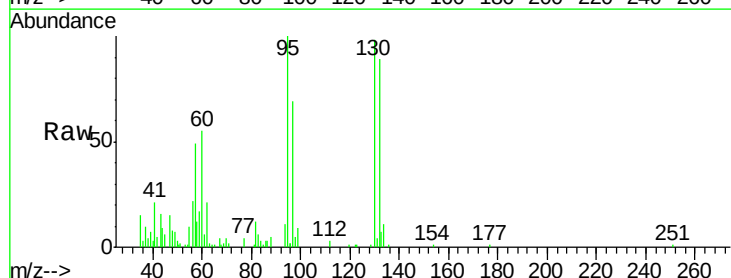
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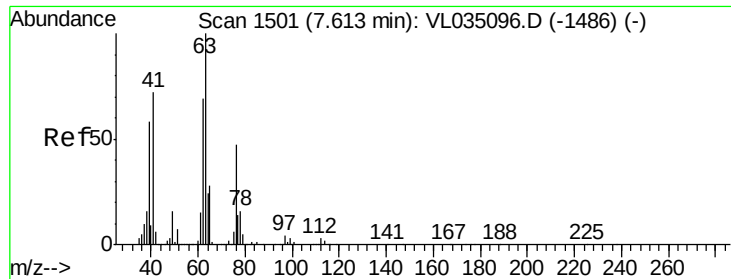
MMDadoda
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#38
 Trichloroethene
 Concen: 0.488 ppbv m
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL035095.D
 Acq: 19 Jun 2020 15:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.3	91.4	137.2
132	91.0	75.8	113.6
97	70.1	59.8	89.8





#39

1,2-Dichloropropane

Concen: 0.463 ppbv m

RT: 7.61 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Instrument :

MSVOA_L

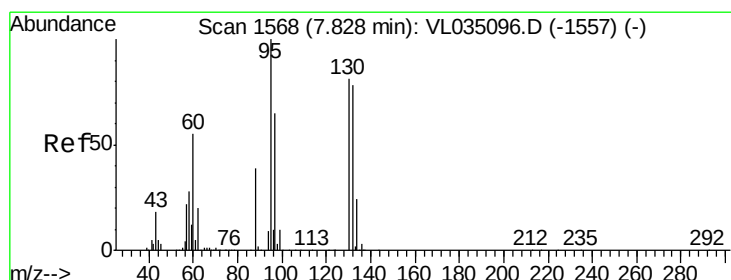
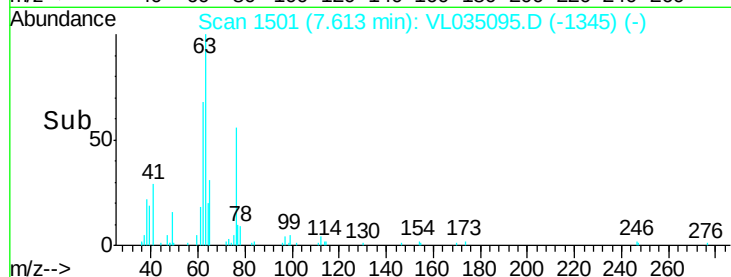
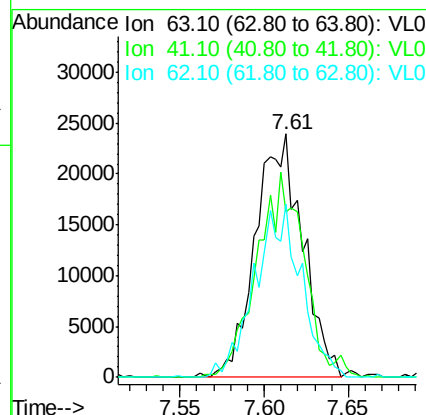
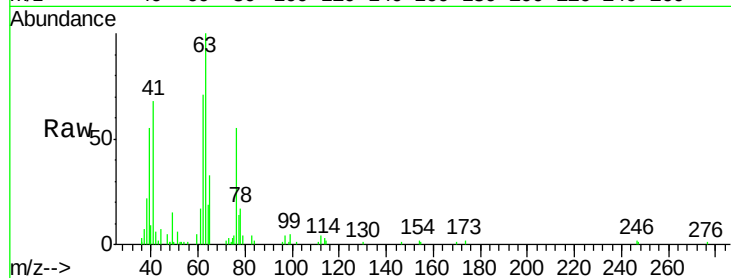
ClientSampleId :

VSTDICCC0.5

Tot Ion:	63	Resp:	46490
Ion	Ratio	Lower	Upper
63	100		
41	67.9	58.0	87.0
62	71.3	55.4	83.0

Manual Integrations
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#40

1,4-Dioxane

Concen: 0.544 ppbv m

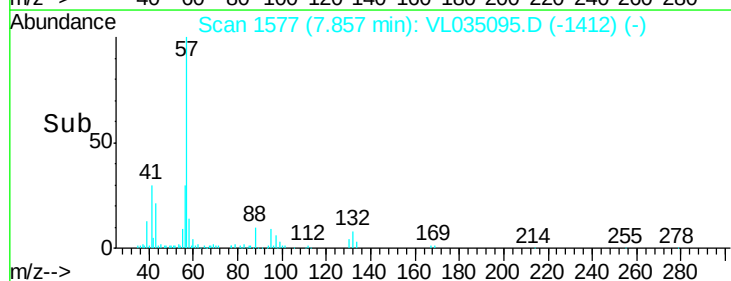
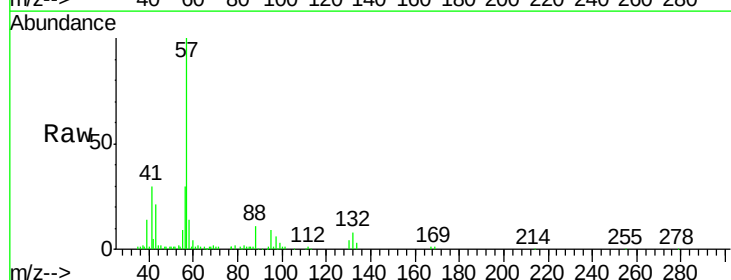
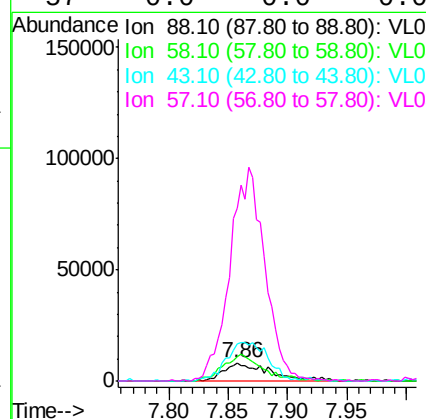
RT: 7.86 min Scan# 1577

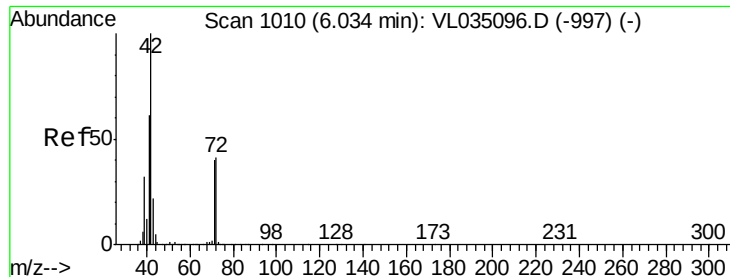
Delta R.T. 0.03 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Tgt Ion:	88	Resp:	21753
Ion	Ratio	Lower	Upper
88	100		
58	0.0	110.2	165.4#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 0.366 ppbv m

RT: 6.05 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Instrument :

MSVOA_L

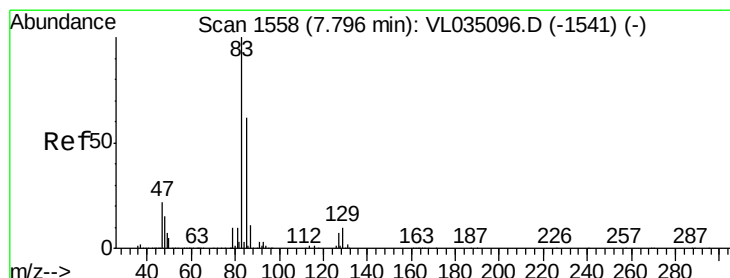
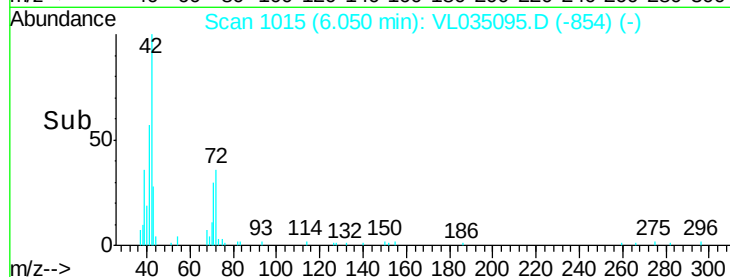
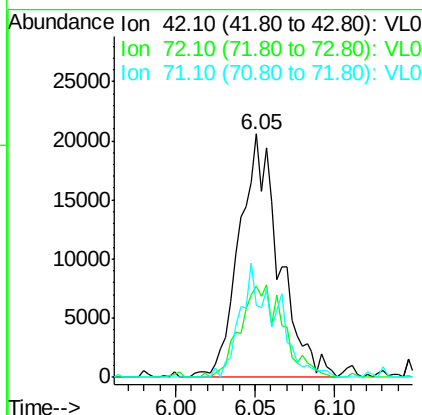
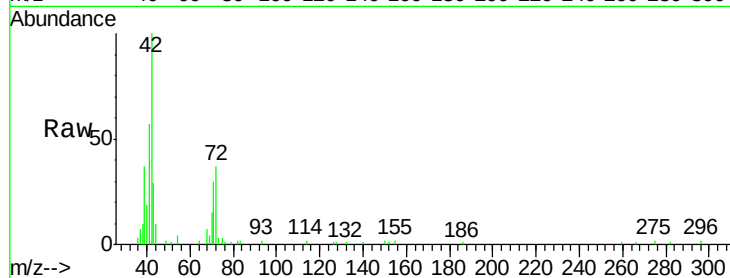
ClientSampleId :

VSTDICCC0.5

Tot Ion:	42	Resp:	36144
Ion Ratio	Lower	Upper	
42	100		
72	0.0	33.4	50.2#
71	41.4	31.8	47.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 0.511 ppbv

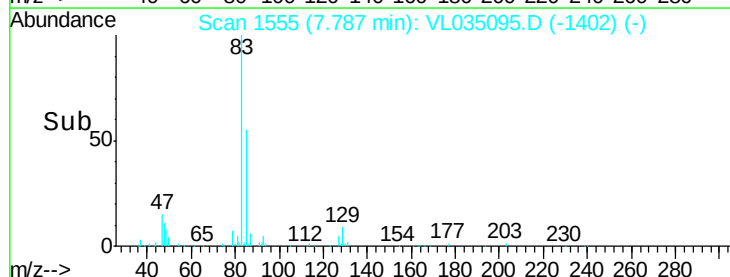
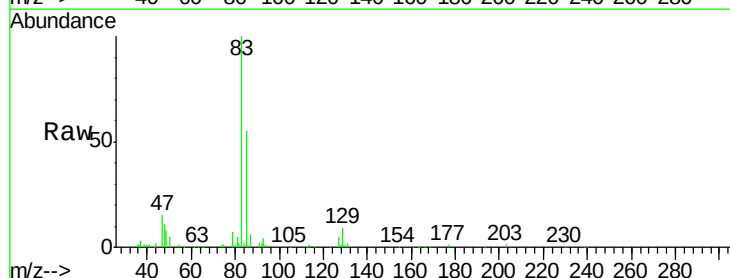
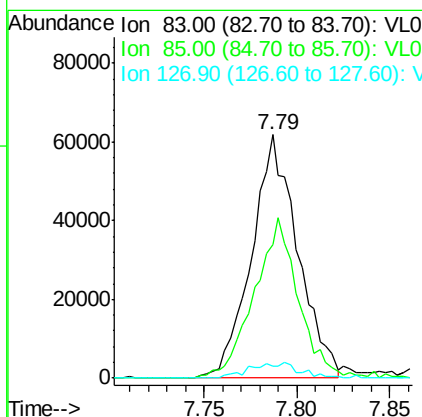
RT: 7.79 min Scan# 1555

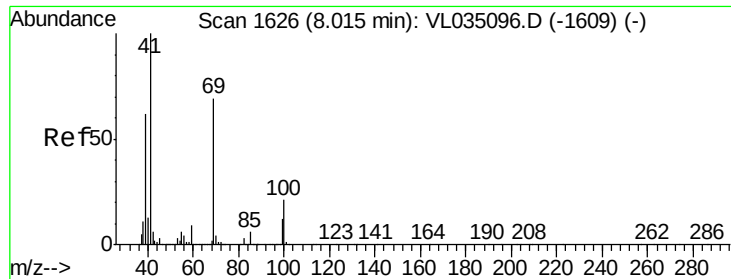
Delta R.T. -0.01 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Tgt Ion:	83	Resp:	106715
Ion Ratio	Lower	Upper	
83	100		
85	55.2	49.4	74.0
127	4.9	5.9	8.9#





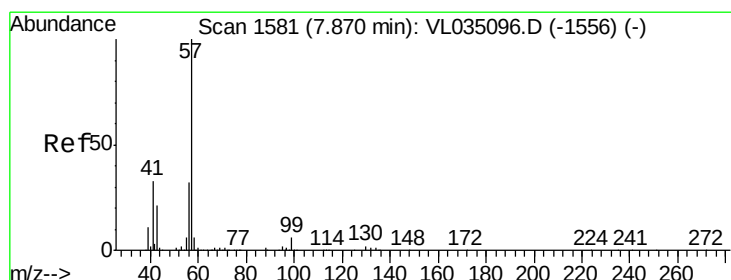
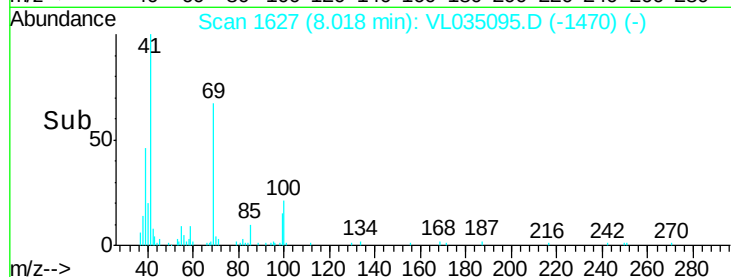
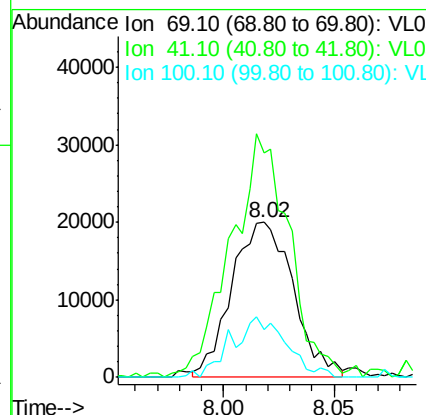
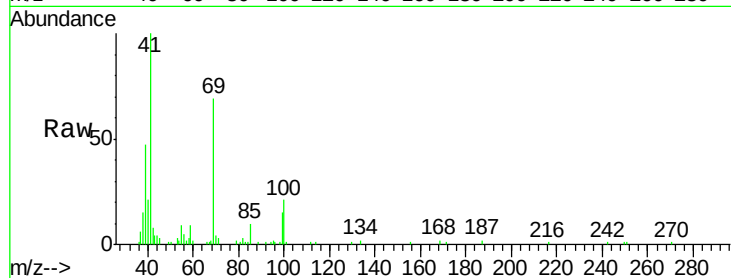
#43
Methyl Methacrylate
Concen: 0.365 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	151.4	116.4	174.6	
100	34.6	25.3	37.9	

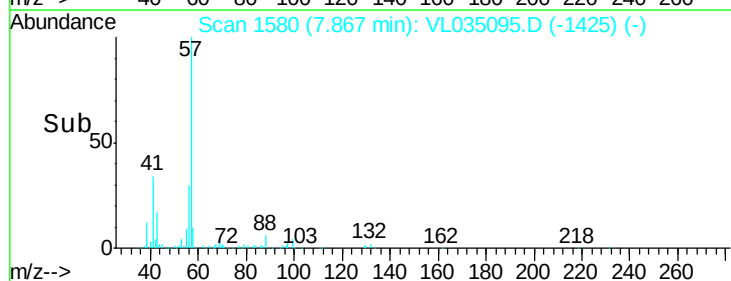
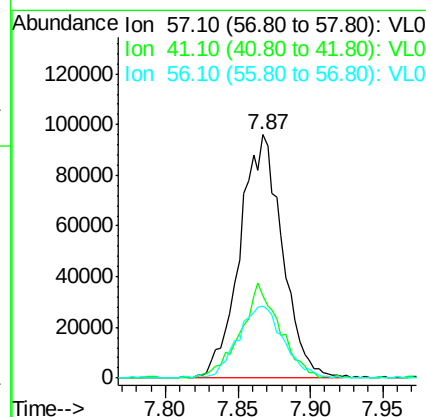
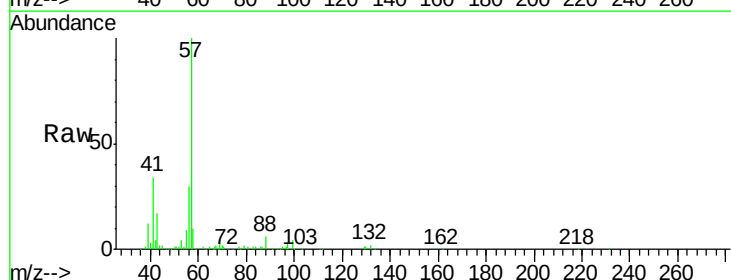
Manual Integrations
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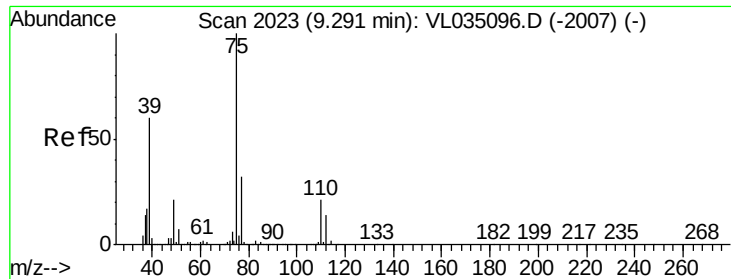
MMDadoda
6/22/2020 2:08:48 PM



#44
2,2,4-Trimethylpentane
Concen: 0.437 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	36.2	26.2	39.2	
56	32.1	25.4	38.2	





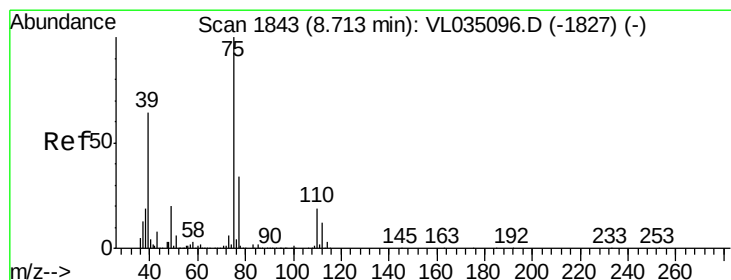
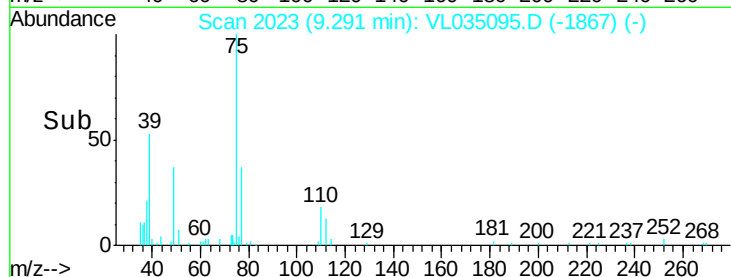
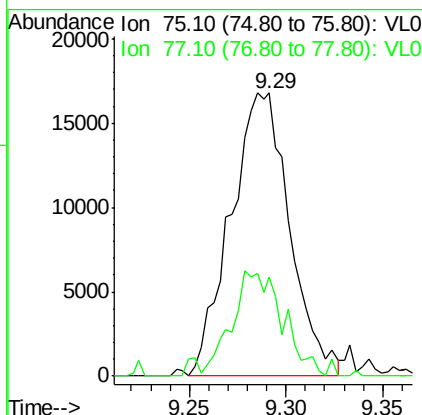
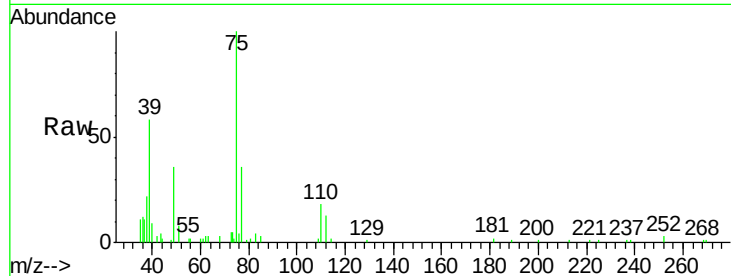
#45
t-1,3-Dichloropropene
Concen: 0.337 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion: 75 Resp: 35790
Ion Ratio Lower Upper
75 100
77 35.0 25.5 38.3

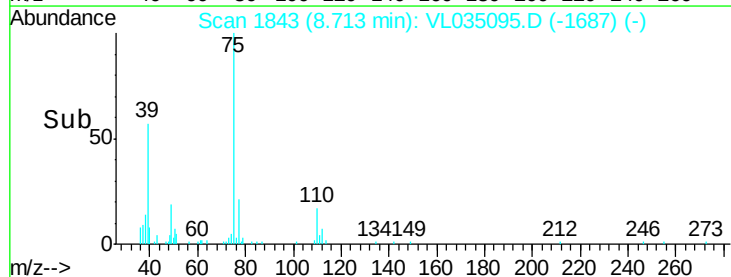
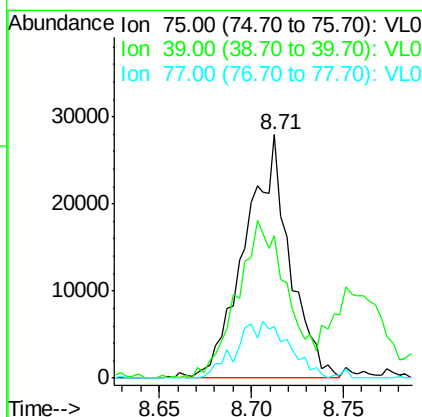
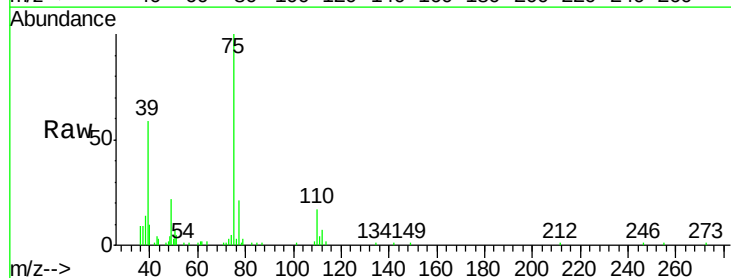
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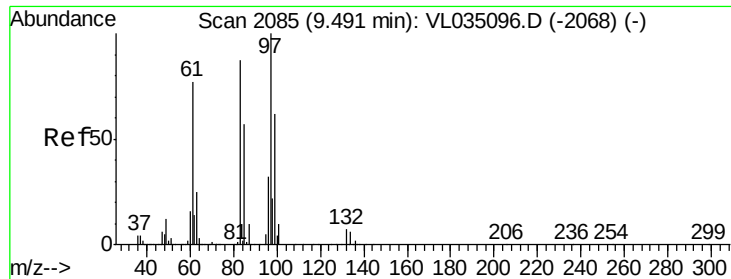
MMDadoda
6/22/2020 2:08:48 PM



#46
cis-1,3-Dichloropropene
Concen: 0.359 ppbv m
RT: 8.71 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Tgt Ion: 75 Resp: 46877
Ion Ratio Lower Upper
75 100
39 58.6 51.1 76.7
77 21.0 26.9 40.3#





#47

1,1,2-Trichloroethane

Concen: 0.499 ppbv m

RT: 9.48 min Scan# 2082

Delta R.T. -0.01 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Instrument :

MSVOA_L

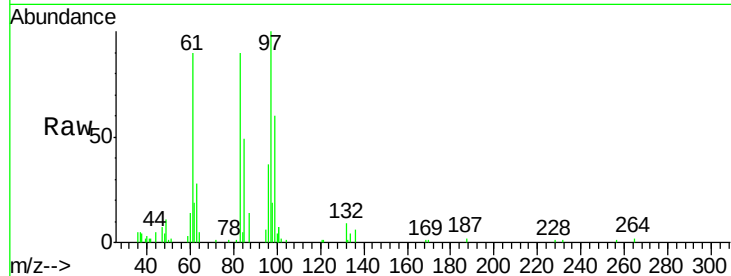
ClientSampleId :

VSTDICCC0.5

Tot Ion:	97	Resp:	53041
Ion	Ratio	Lower	Upper
97	100		
83	90.4	69.5	104.3
85	49.2	46.0	69.0
99	59.6	49.6	74.4

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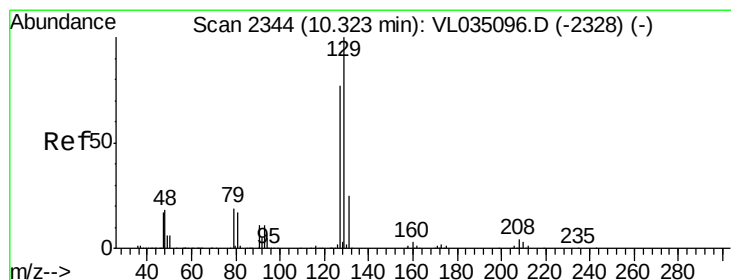
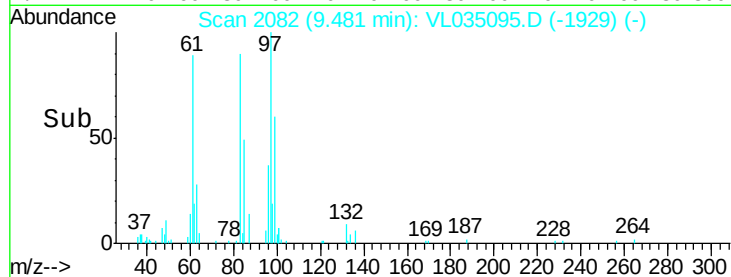
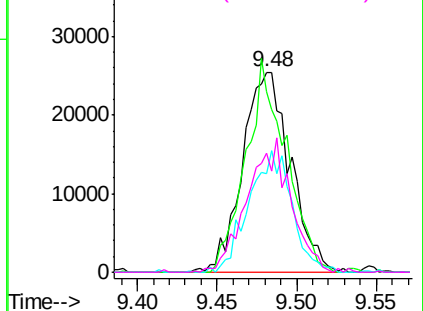


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.452 ppbv

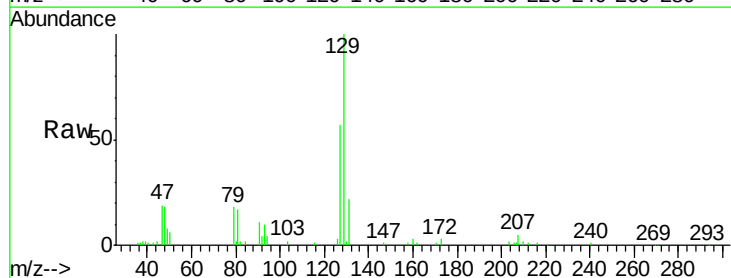
RT: 10.31 min Scan# 2340

Delta R.T. -0.01 min

Lab File: VL035095.D

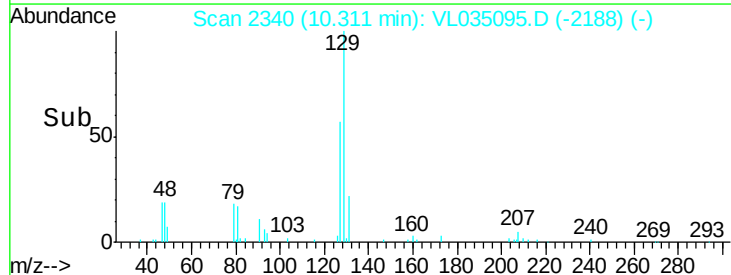
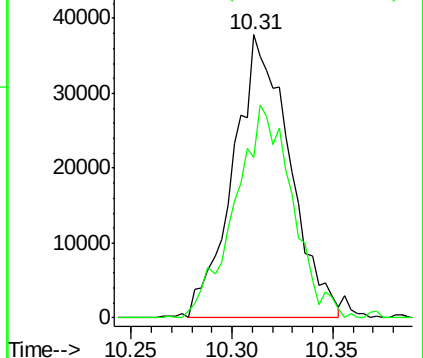
Acq: 19 Jun 2020 15:12

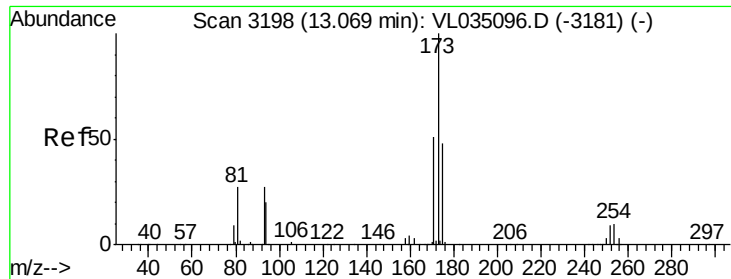
Tgt Ion:	129	Resp:	73722
Ion	Ratio	Lower	Upper
129	100		
127	76.5	39.3	117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





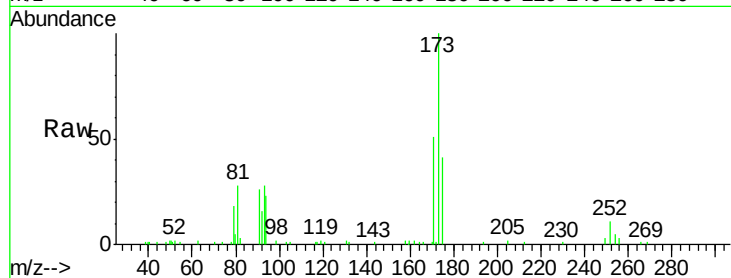
#49
Bromoform
Concen: 0.436 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. -0.01 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

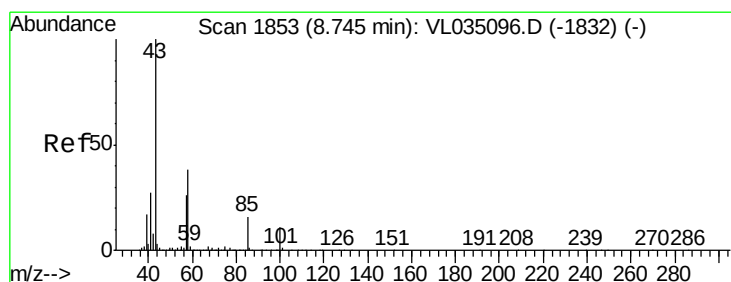
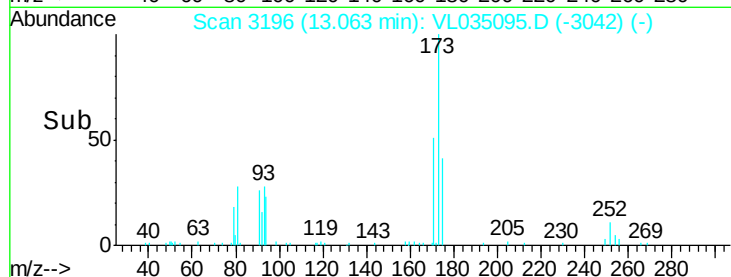
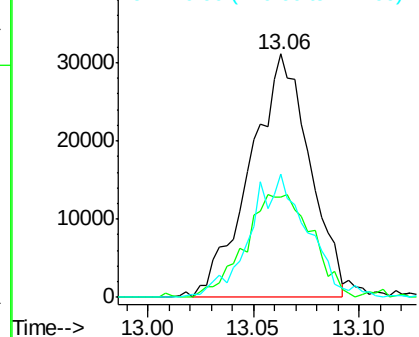
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.1	58.7
171	49.5	41.7	62.5

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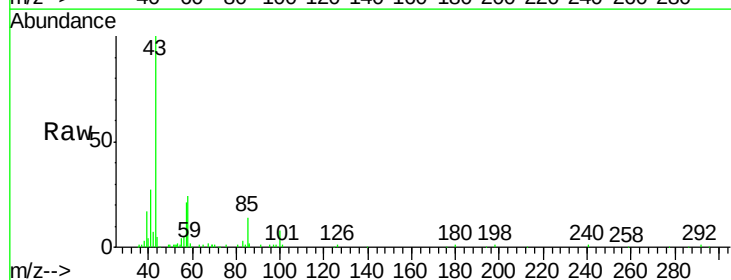


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

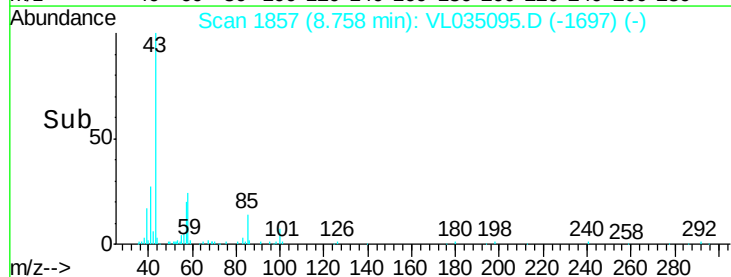
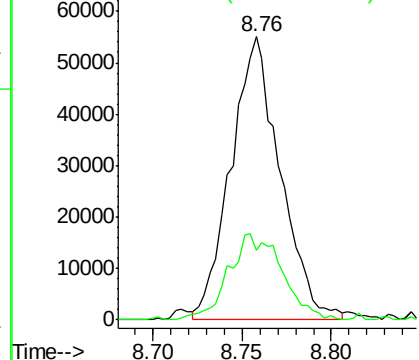


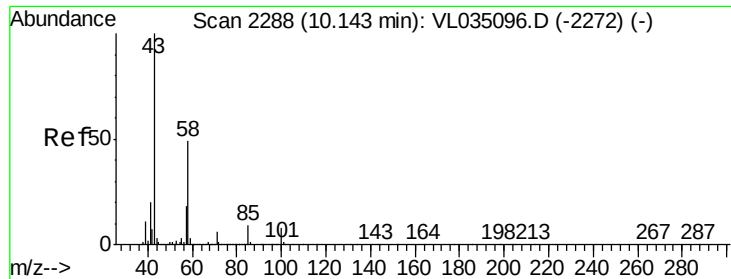
#50
4-Methyl-2-Pentanone
Concen: 0.397 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. 0.01 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.0	29.4	44.0



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





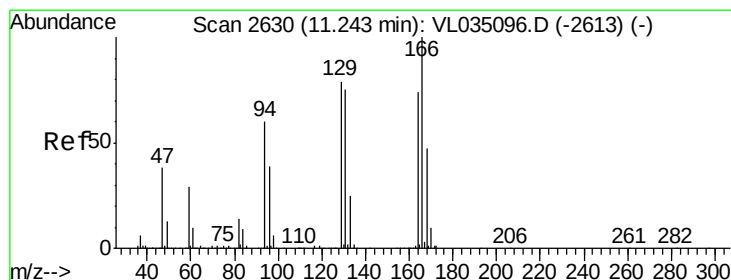
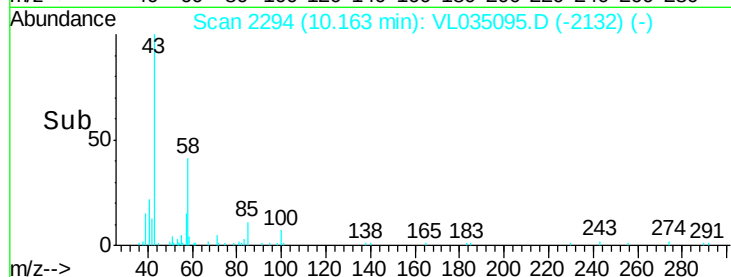
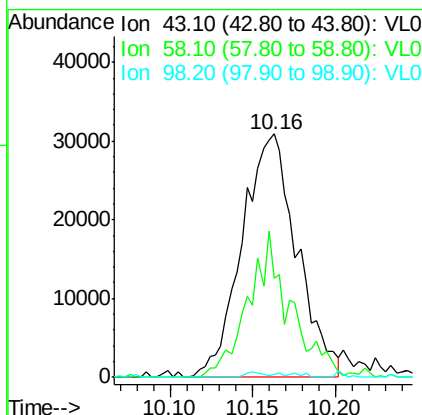
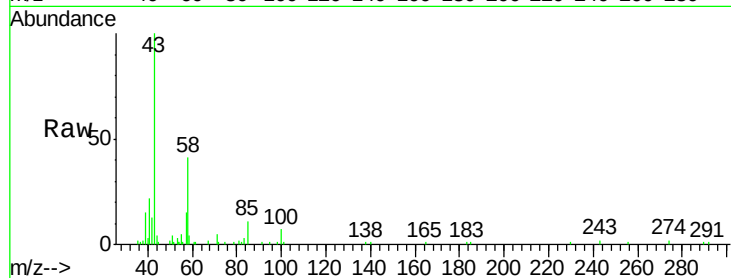
#51
2-Hexanone
Concen: 0.341 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.02 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.2	39.2	58.8
98	1.4	0.3	0.5#

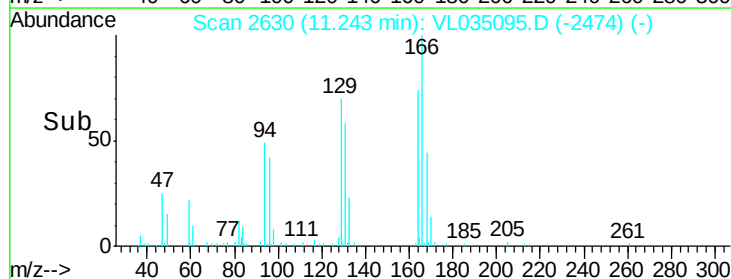
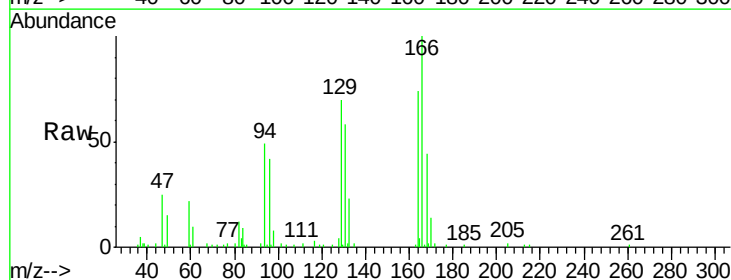
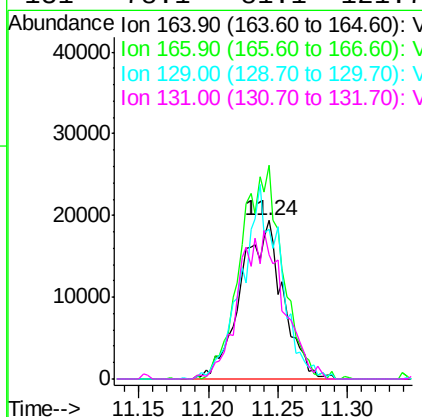
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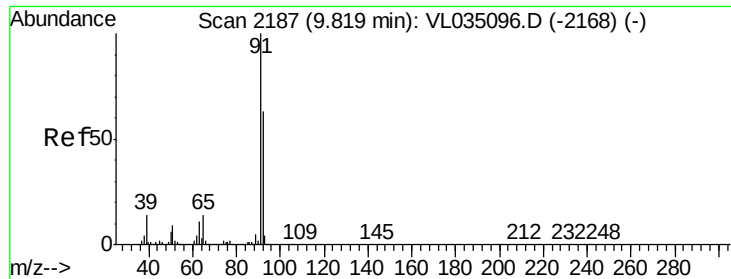
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#52
Tetrachloroethene
Concen: 0.456 ppbv m
RT: 11.24 min Scan# 2630
Delta R.T. 0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.9	107.5	161.3
129	94.4	84.9	127.3
131	78.1	81.1	121.7#





#53

Toluene

Concen: 0.369 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 91 Resp: 98017

Ion Ratio Lower Upper

91 100

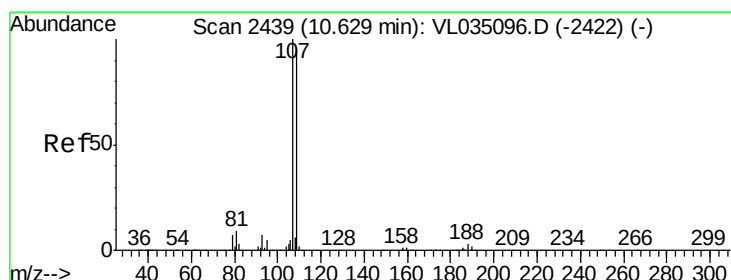
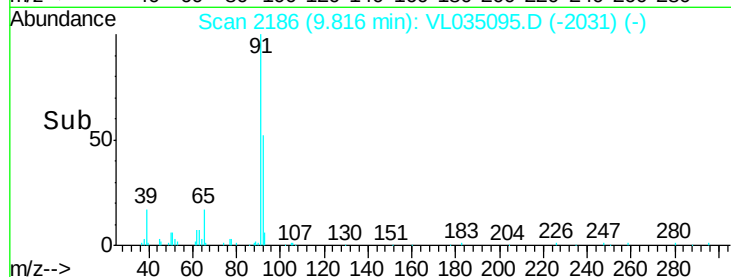
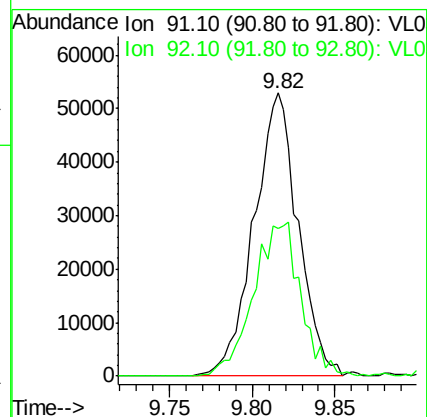
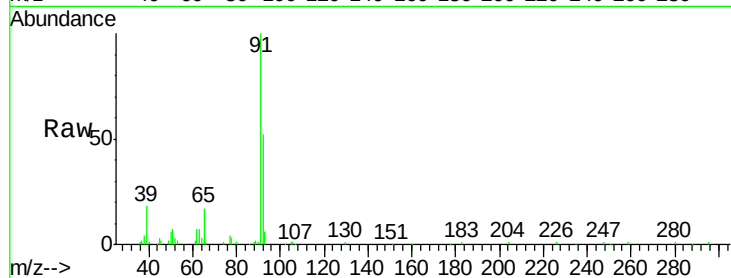
92 58.1 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 0.461 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. -0.01 min

Lab File: VL035095.D

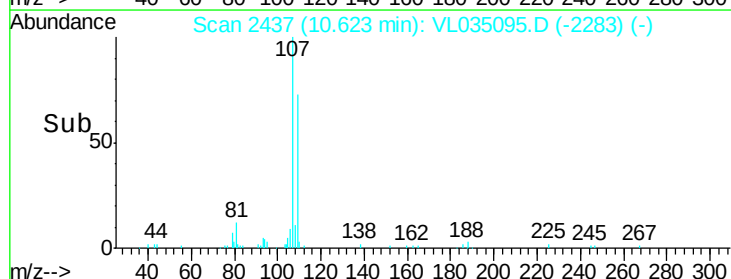
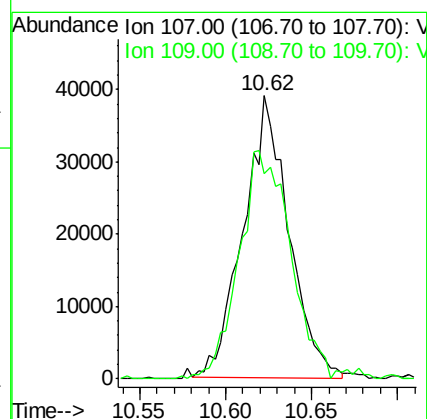
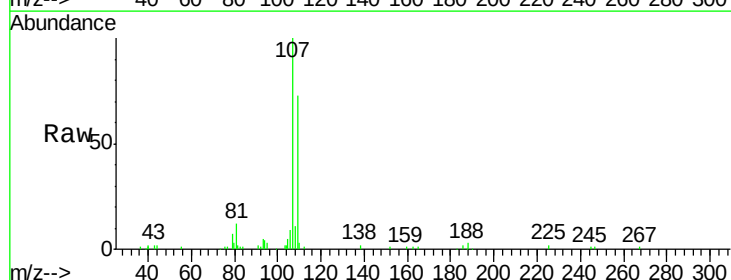
Acq: 19 Jun 2020 15:12

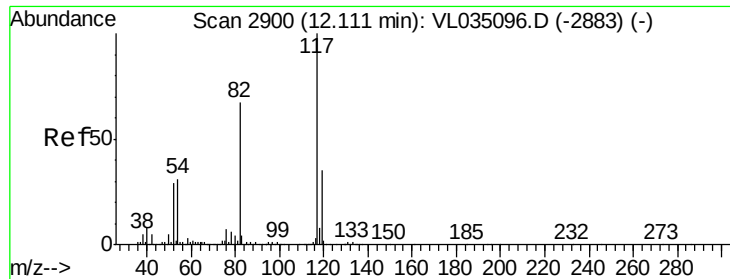
Tgt Ion: 107 Resp: 71843

Ion Ratio Lower Upper

107 100

109 71.4 75.9 113.9#





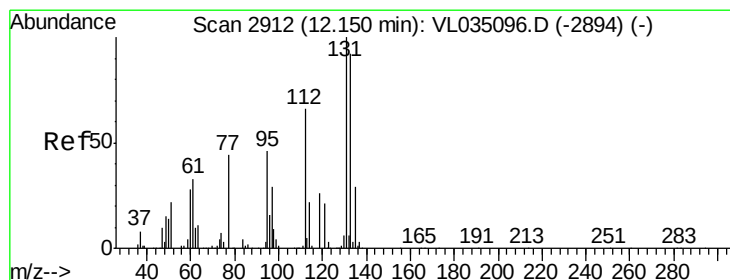
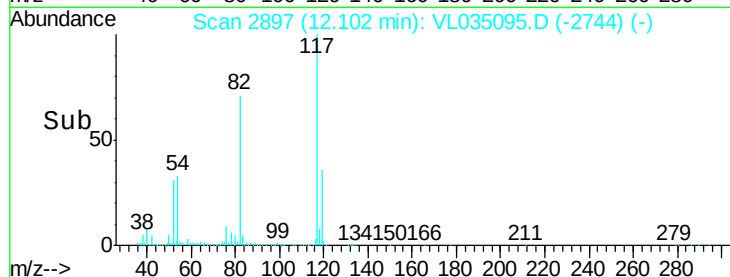
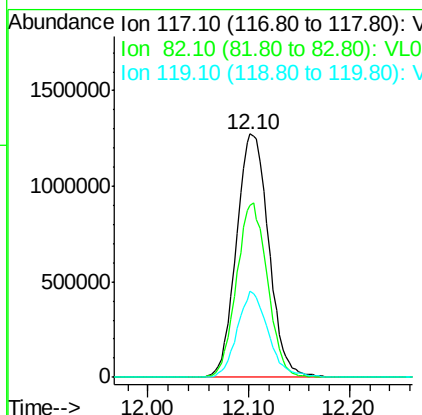
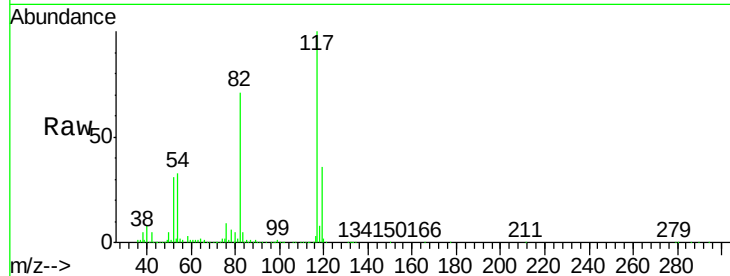
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.8	50.4	75.6
119	34.1	25.4	38.0

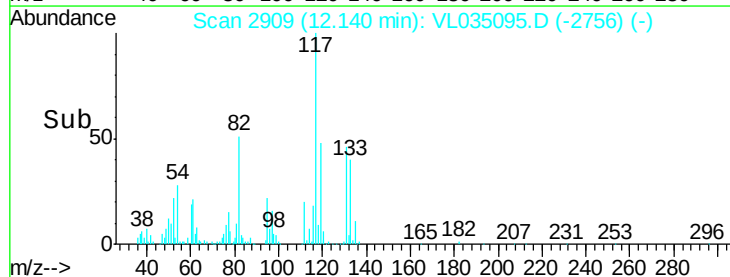
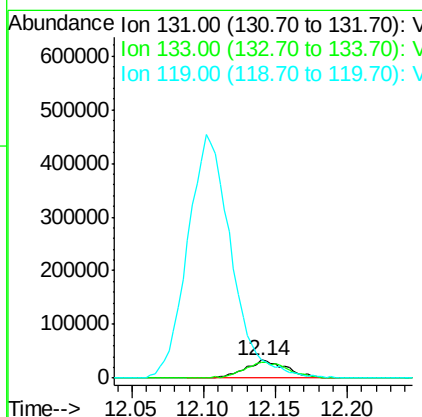
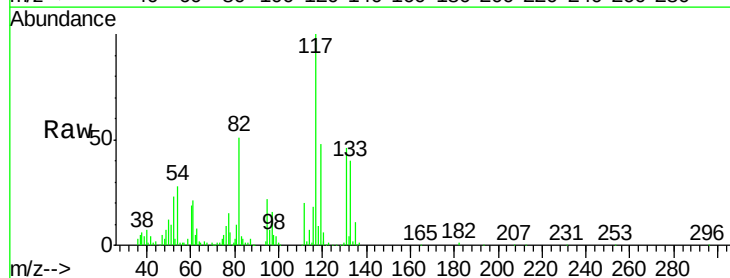
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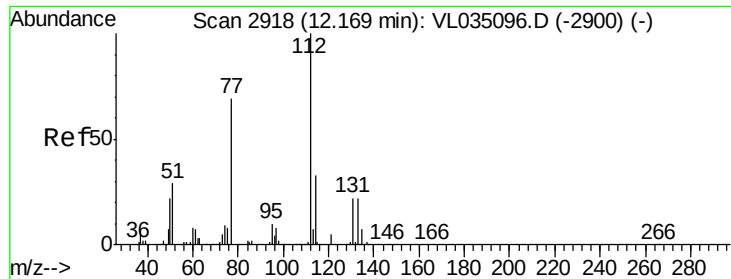
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.536 ppbv m
RT: 12.14 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	76.2	114.4
119	0.0	114.6	172.0#





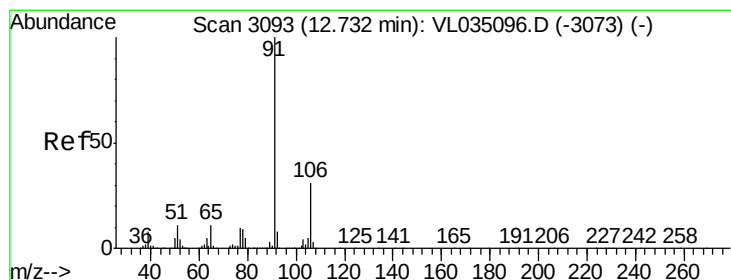
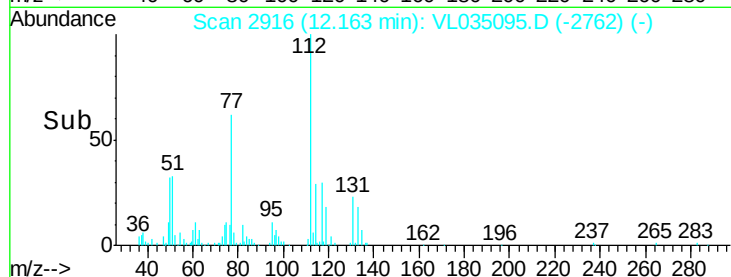
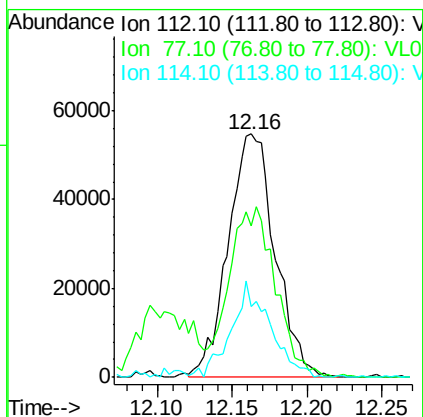
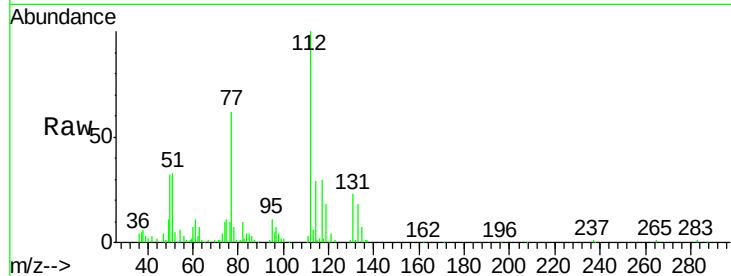
#57
Chlorobenzene
Concen: 0.540 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	Ratio	Resp	Lower	Upper
112	100	120052		
77	61.7		56.7	85.1
114	29.6		29.3	35.9

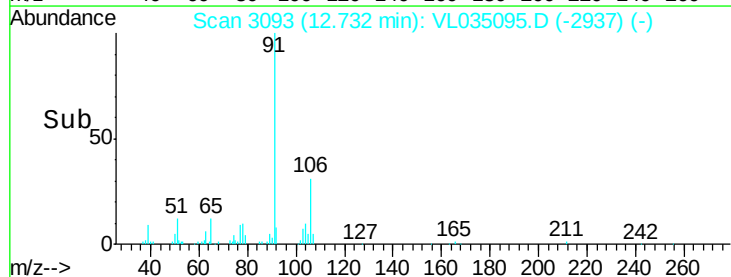
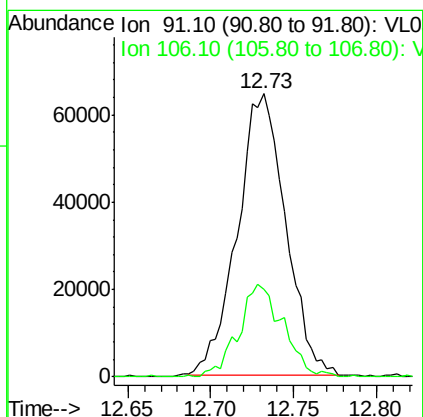
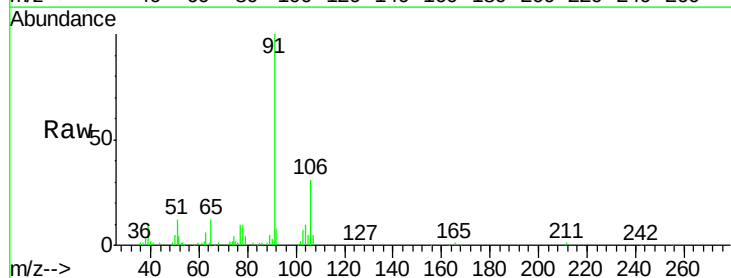
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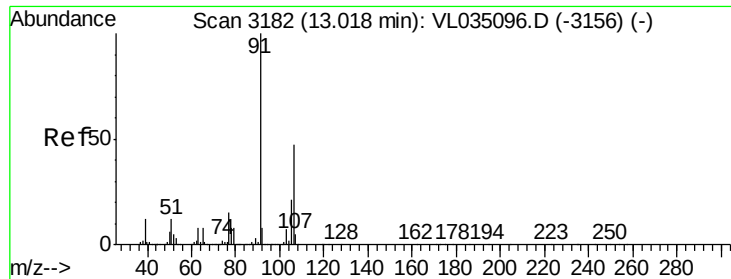
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#58
Ethyl Benzene
Concen: 0.381 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	131147		
106	30.9		25.0	37.6





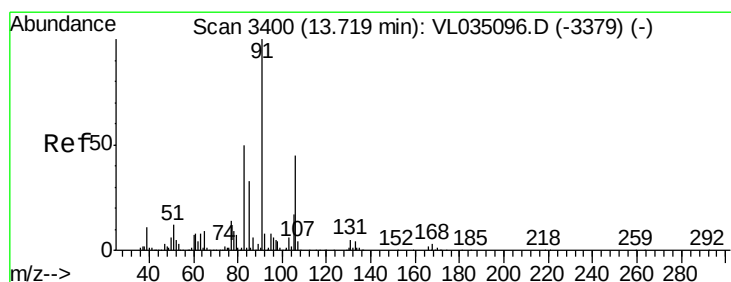
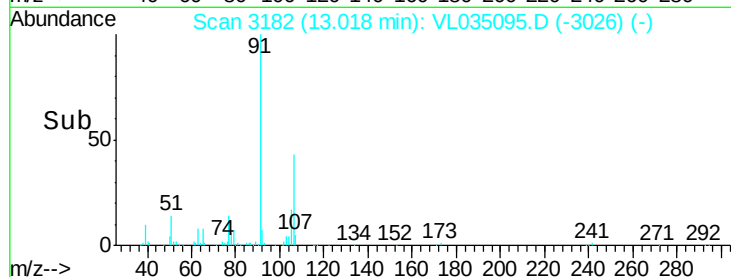
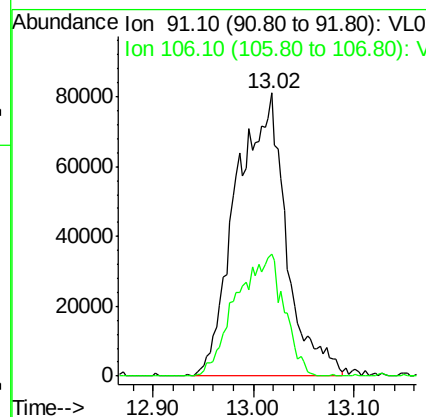
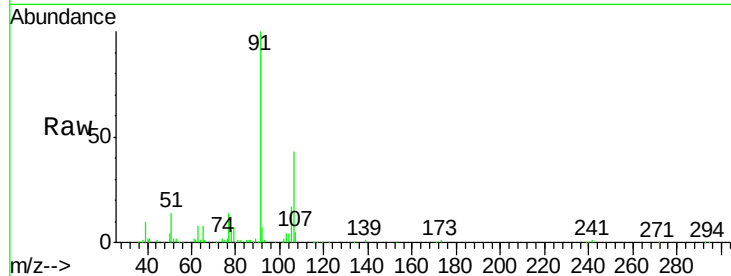
#59
m/p-Xylene
Concen: 0.923 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. 0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion: 91 Resp: 280362
Ion Ratio Lower Upper
91 100
106 41.4 36.5 54.7

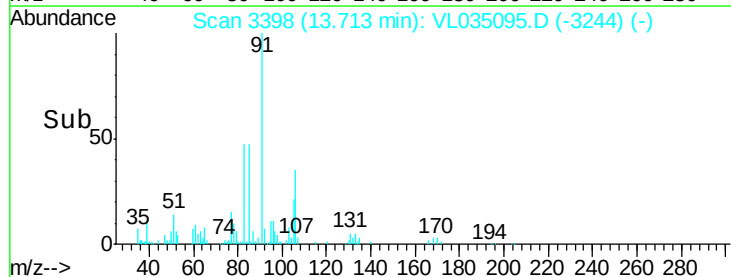
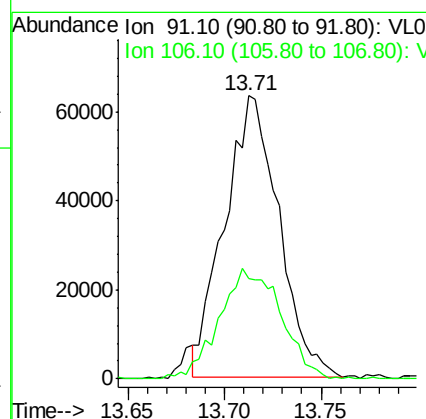
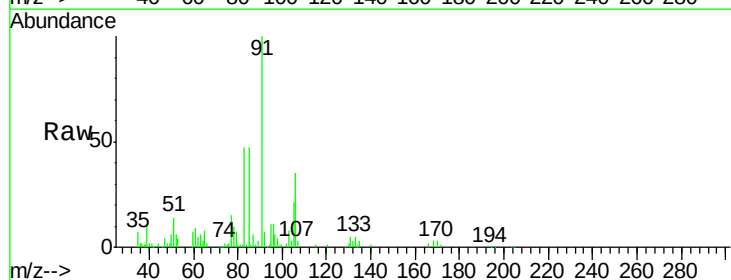
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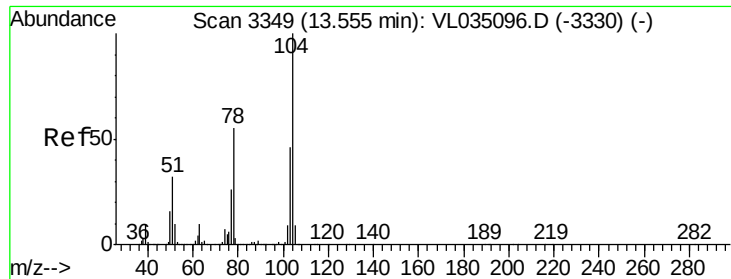
MMDadoda
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#60
o-Xylene
Concen: 0.411 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Tgt Ion: 91 Resp: 123328
Ion Ratio Lower Upper
91 100
106 44.6 22.1 66.5





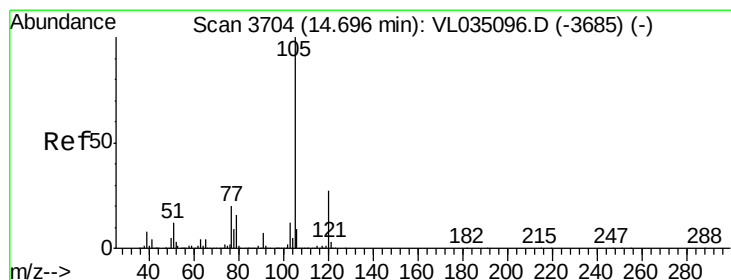
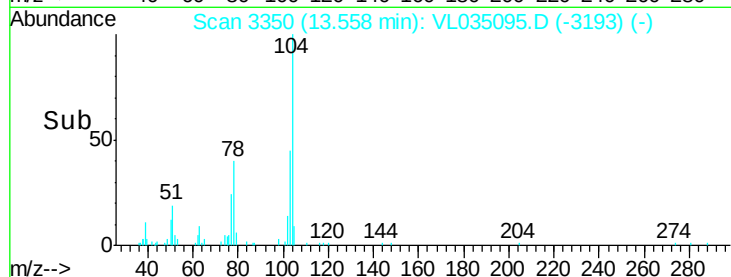
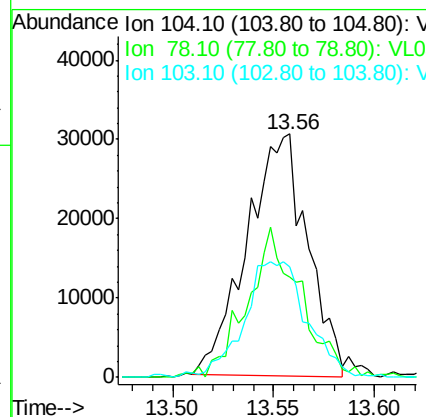
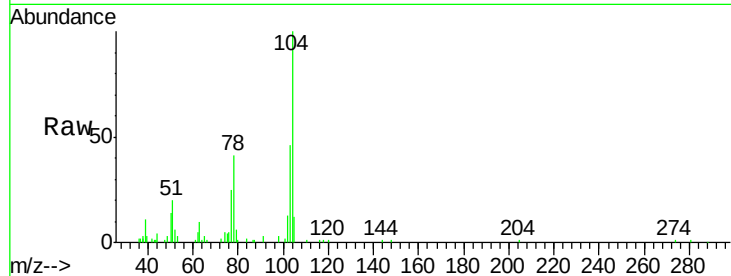
#61
Stvrene
Concen: 0.338 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. 0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.3	43.4	65.0
103	50.2	38.3	57.5

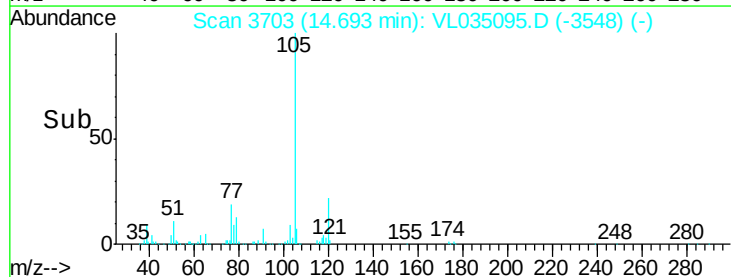
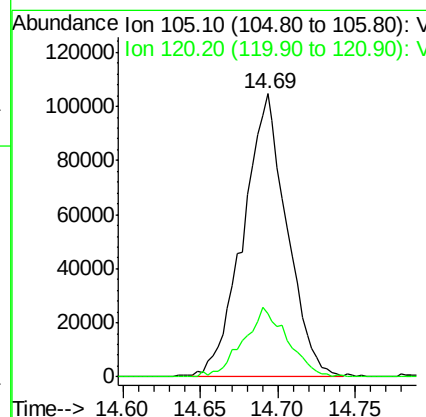
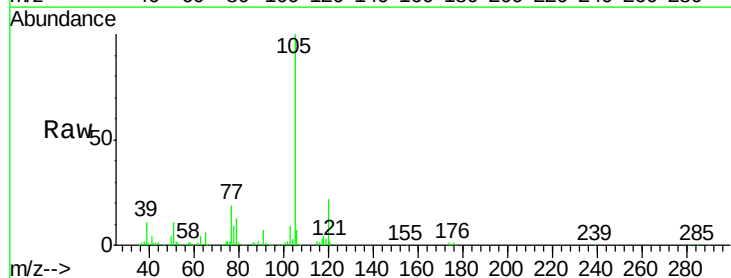
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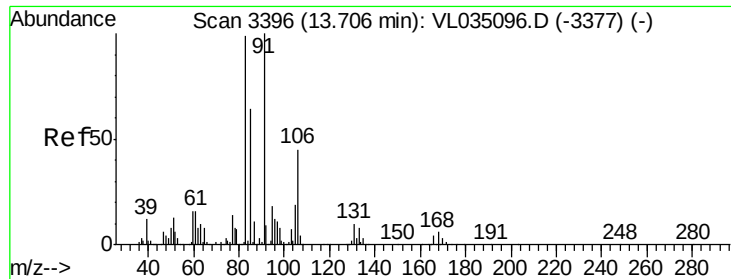
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#62
Isopropylbenzene
Concen: 0.458 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.8	31.2





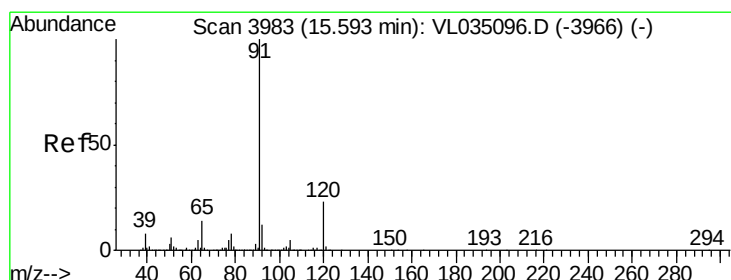
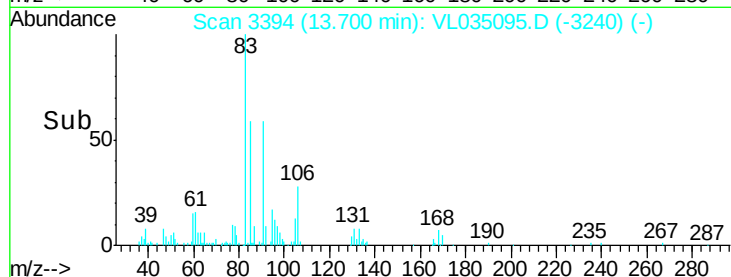
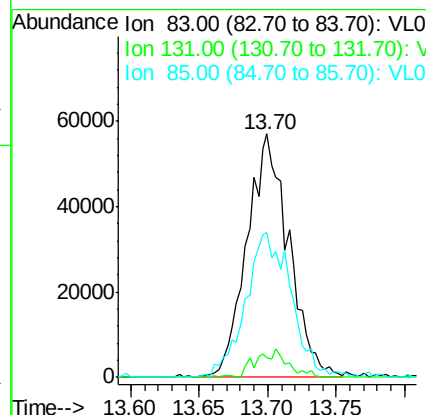
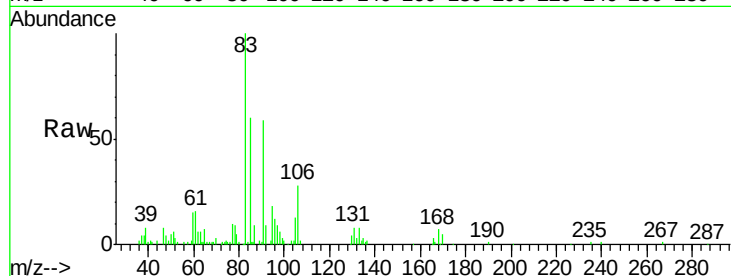
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.512 ppbv m
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL035095.D
 Acq: 19 Jun 2020 15:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC0.5

Tot Ion	83	Resp	121378
Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.7	14.0
85	65.5	32.4	97.0

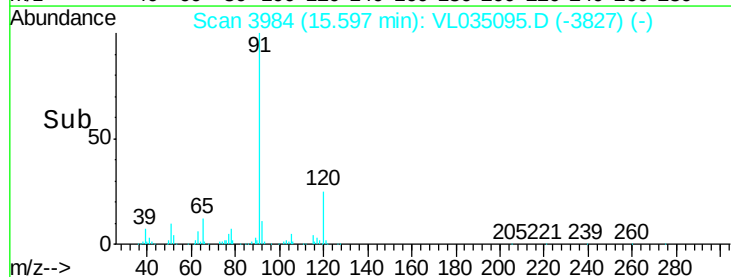
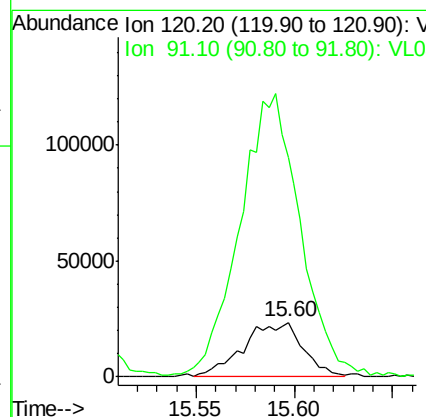
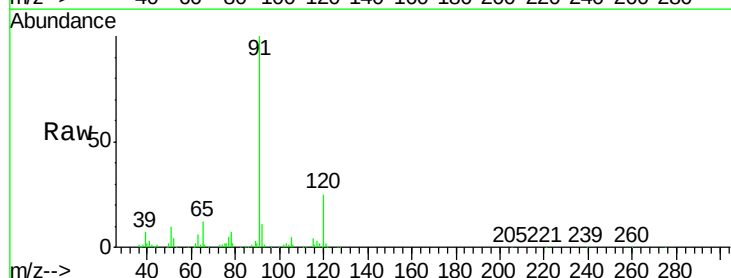
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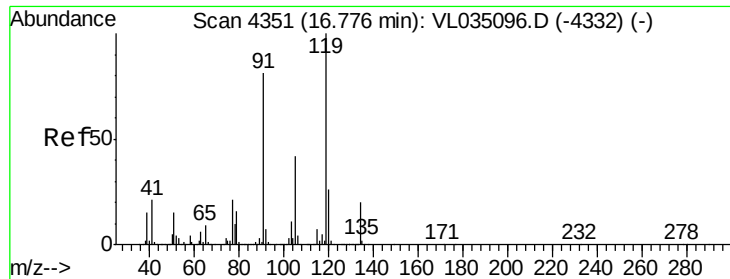
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#64
 n-propylbenzene
 Concen: 0.433 ppbv m
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL035095.D
 Acq: 19 Jun 2020 15:12

Tgt Ion	120	Resp	49799
Ion	Ratio	Lower	Upper
120	100		
91	0.0	367.9	551.9#





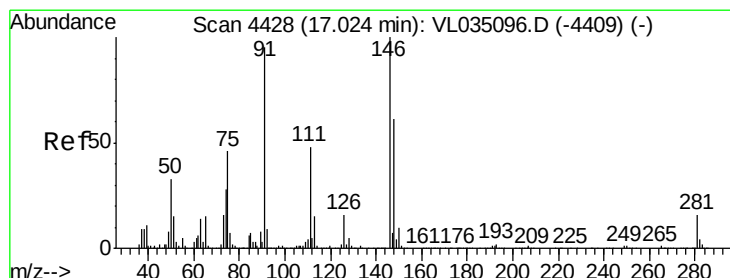
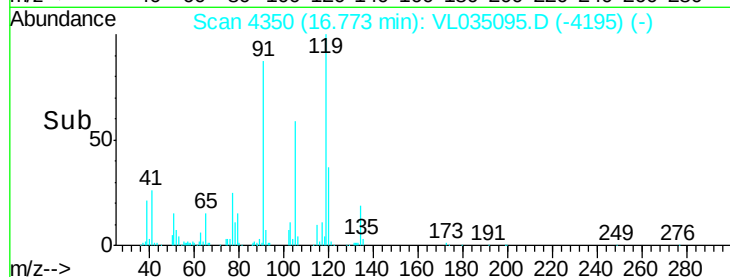
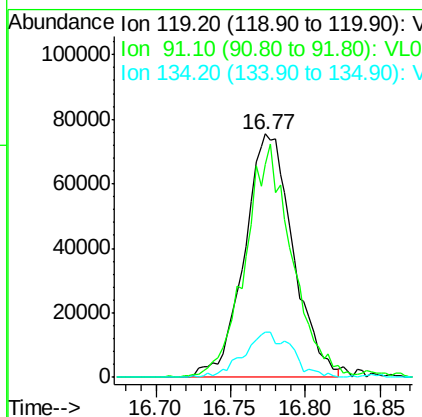
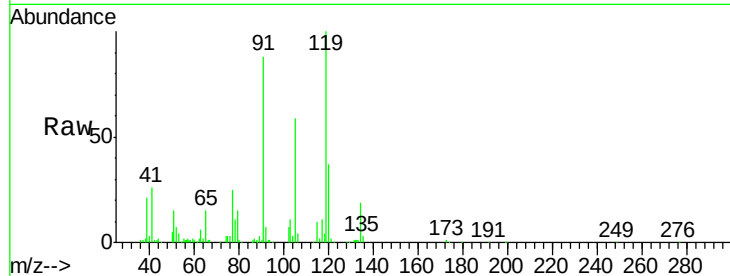
#65
 tert-Butylbenzene
 Concen: 0.435 ppbv
 RT: 16.77 min Scan# 4350
 Delta R.T. -0.00 min
 Lab File: VL035095.D
 Acq: 19 Jun 2020 15:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	169053		
91	94.5	67.6	101.4	
134	18.7	15.7	23.5	

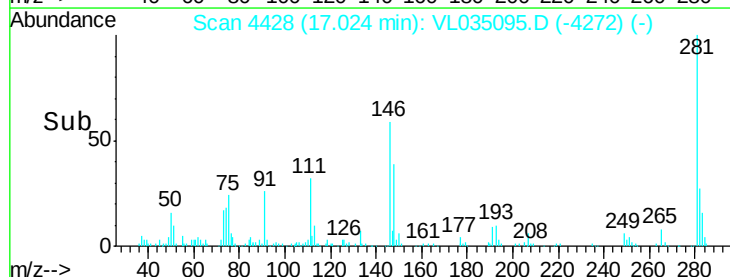
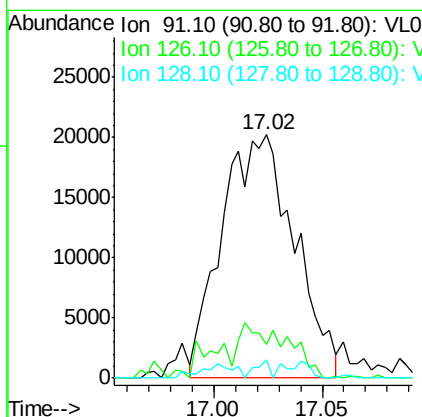
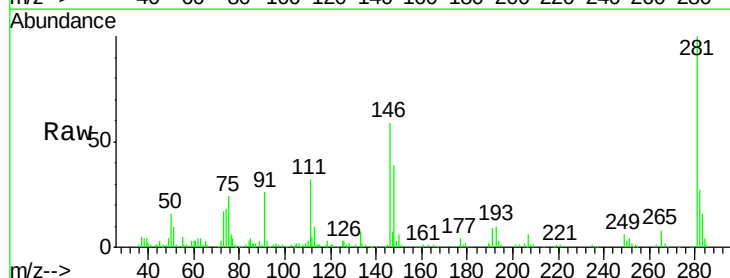
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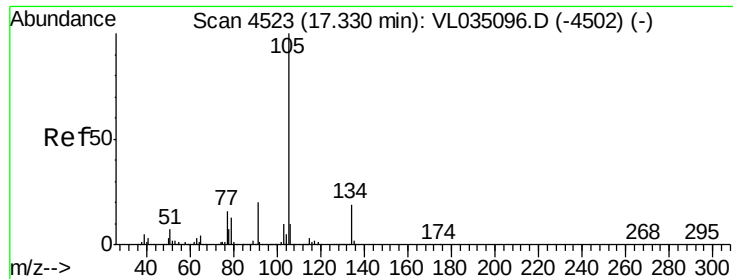
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#66
 Benzyl Chloride
 Concen: 0.366 ppbv m
 RT: 17.02 min Scan# 4428
 Delta R.T. 0.00 min
 Lab File: VL035095.D
 Acq: 19 Jun 2020 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	47130		
126	21.8	13.5	20.3#	
128	0.0	4.3	6.5#	





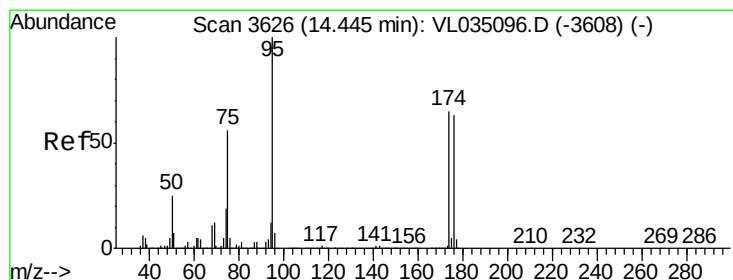
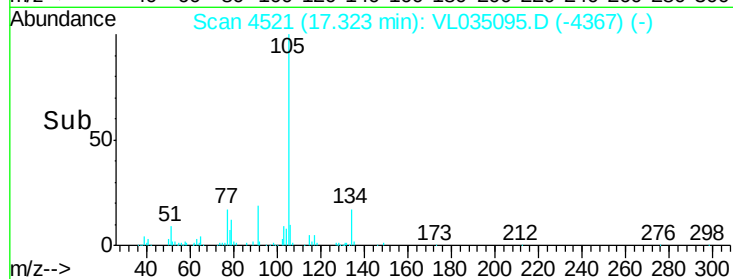
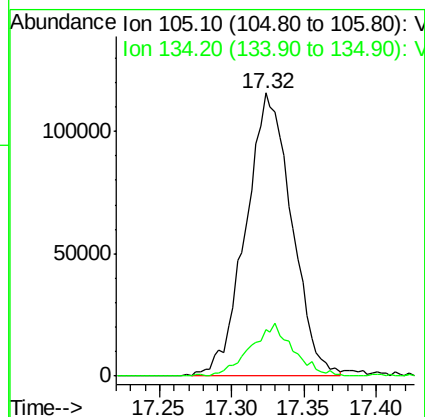
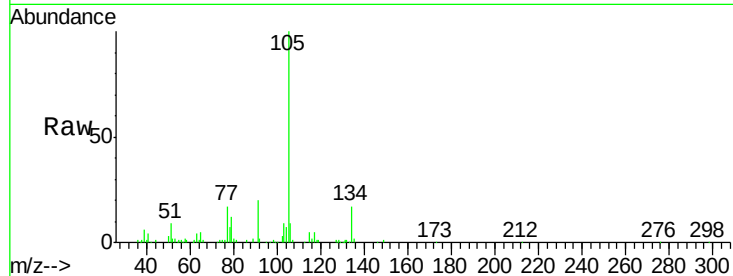
#67
 sec-Butylbenzene
 Concen: 0.462 ppbv m
 RT: 17.32 min Scan# 4521
 Delta R.T. -0.01 min
 Lab File: VL035095.D
 Acq: 19 Jun 2020 15:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.3	14.7	22.1

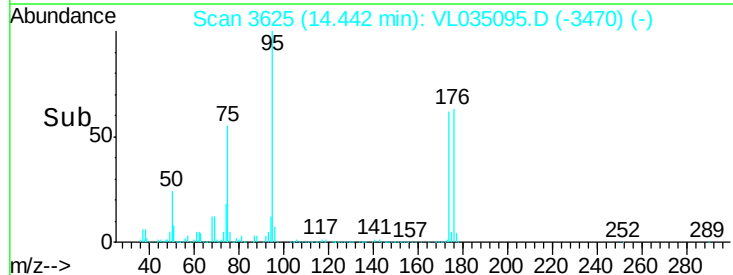
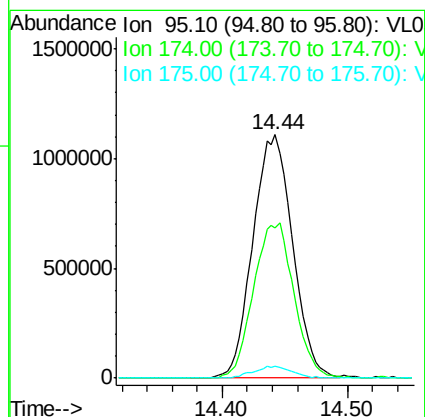
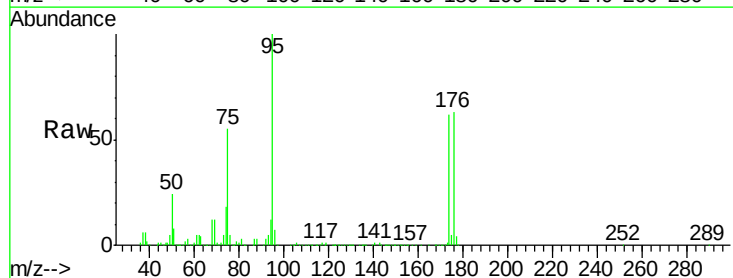
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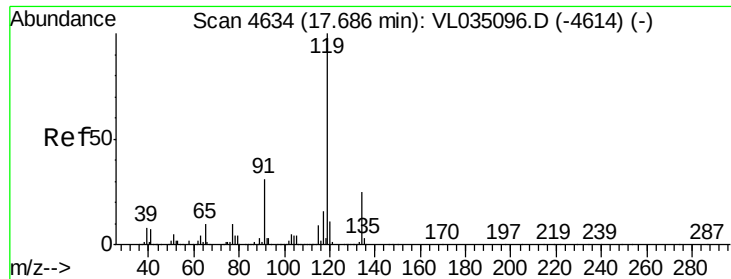
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.709 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL035095.D
 Acq: 19 Jun 2020 15:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.0	52.2	78.2
175	4.7	4.0	6.0





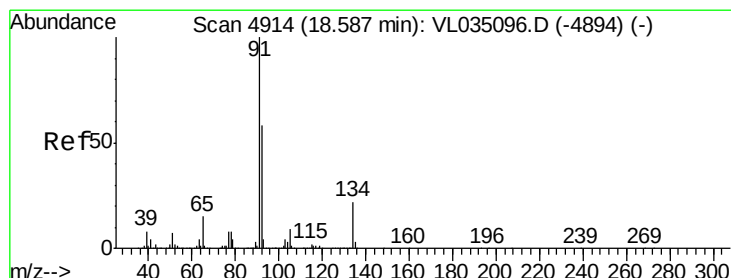
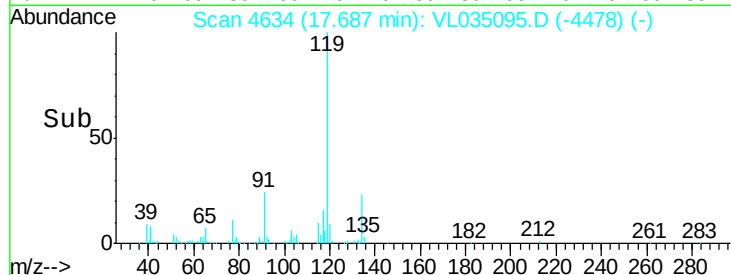
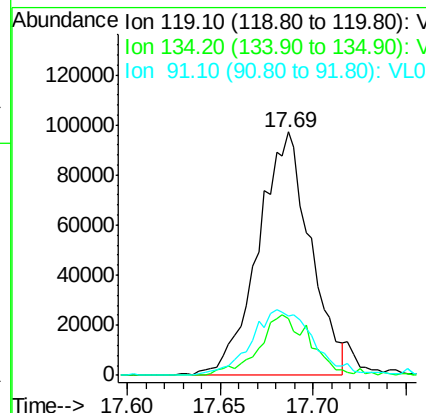
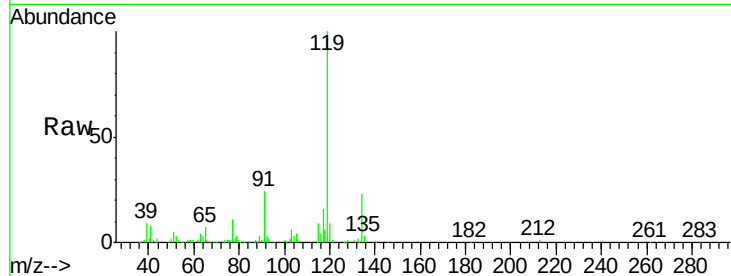
#69
 p-Isopropyltoluene
 Concen: 0.423 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. 0.00 min
 Lab File: VL035095.D
 Acq: 19 Jun 2020 15:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC0.5

Tot Ion:	119	Resp:	189582
Ion Ratio	Lower	Upper	
119	100		
134	25.1	20.4	30.6
91	32.4	24.5	36.7

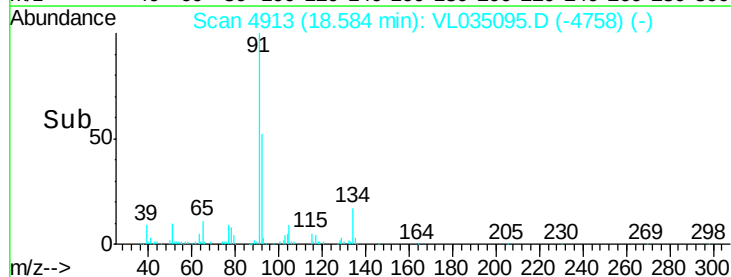
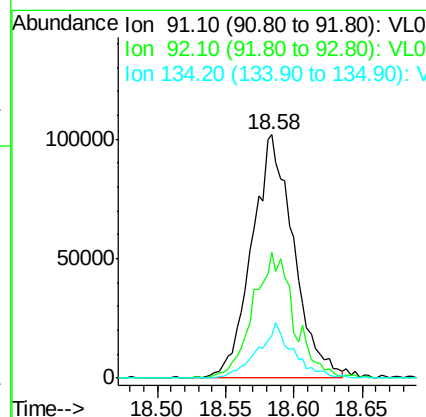
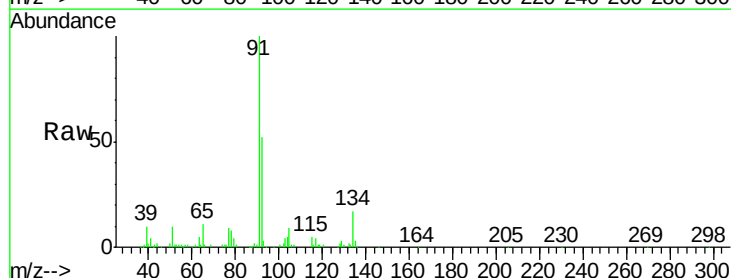
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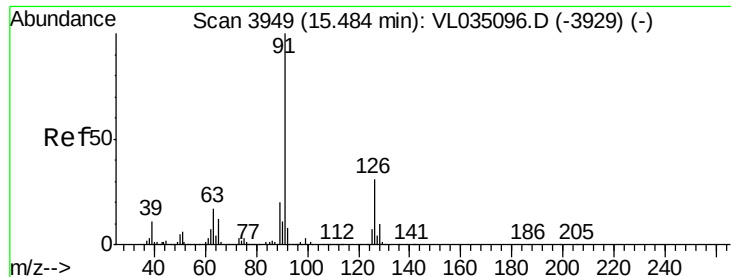
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#70
 n-Butylbenzene
 Concen: 0.455 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. -0.00 min
 Lab File: VL035095.D
 Acq: 19 Jun 2020 15:12

Tgt Ion:	91	Resp:	216868
Ion Ratio	Lower	Upper	
91	100		
92	51.2	44.4	66.6
134	19.2	18.0	27.0





#71

2-Chlorotoluene

Concen: 0.427 ppbv

RT: 15.48 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 91 Resp: 144266

Ion Ratio Lower Upper

91 100

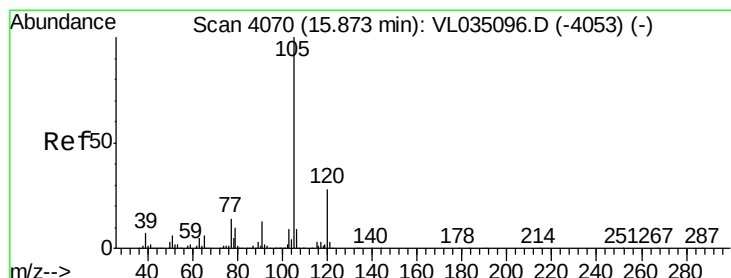
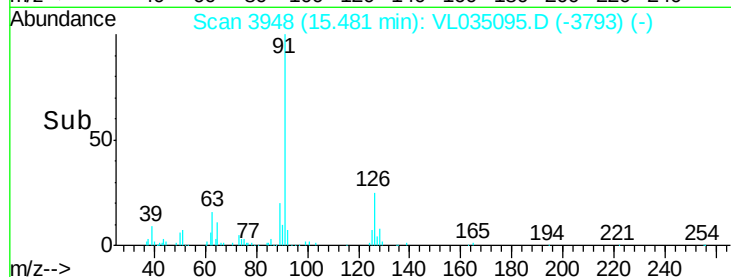
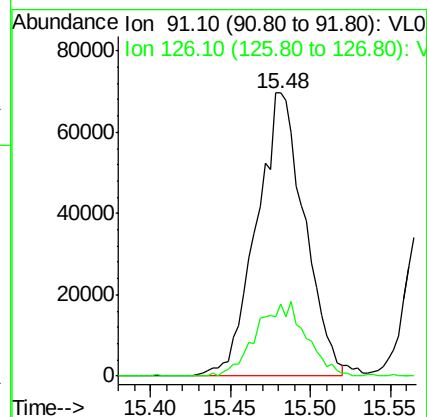
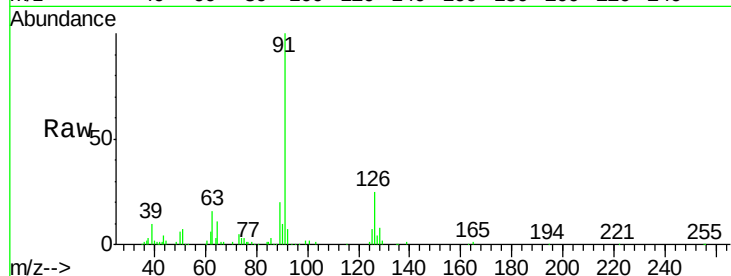
126 27.2 12.0 48.0

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#72

4-Ethyltoluene

Concen: 0.409 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Tgt Ion: 105 Resp: 137199

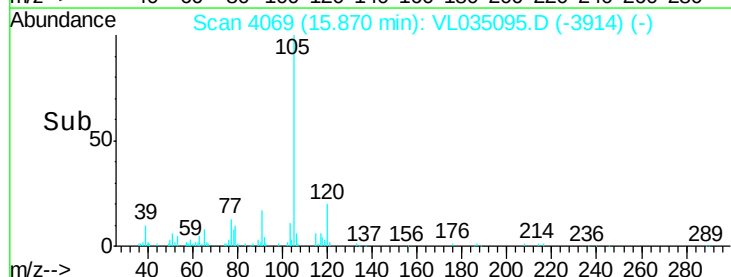
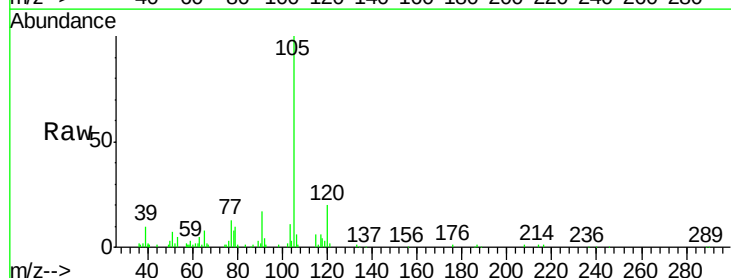
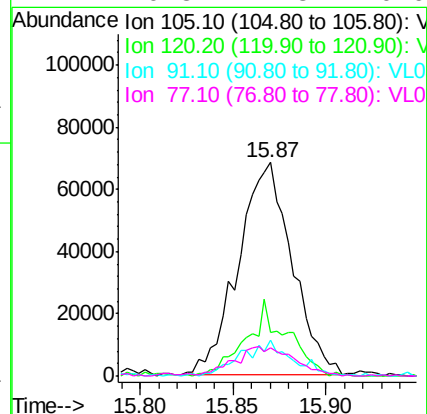
Ion Ratio Lower Upper

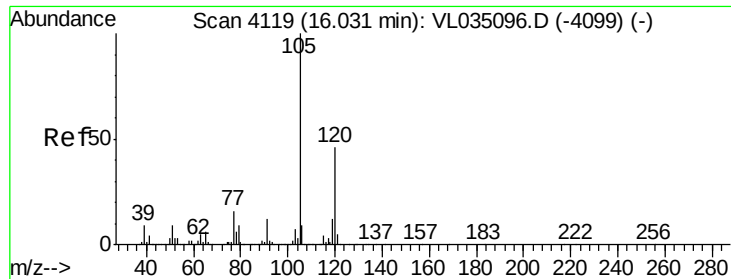
105 100

120 27.7 23.4 35.0

91 16.6 10.6 16.0#

77 16.3 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 0.412 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.01 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion:105 Resp: 133901

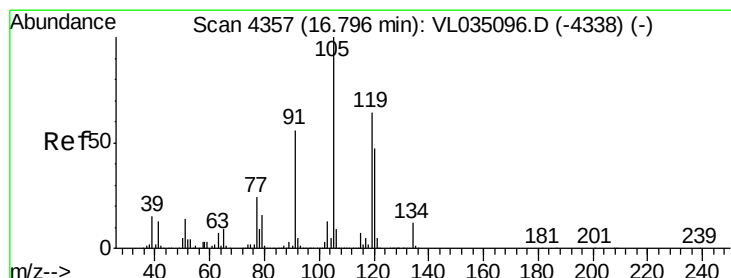
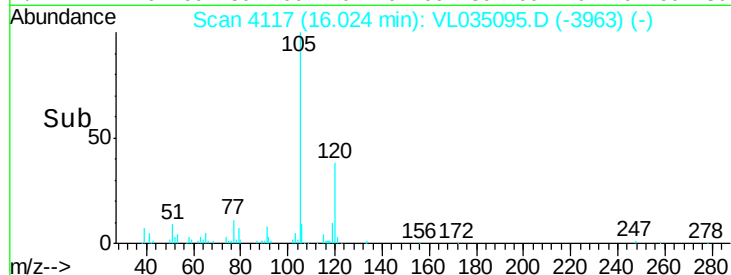
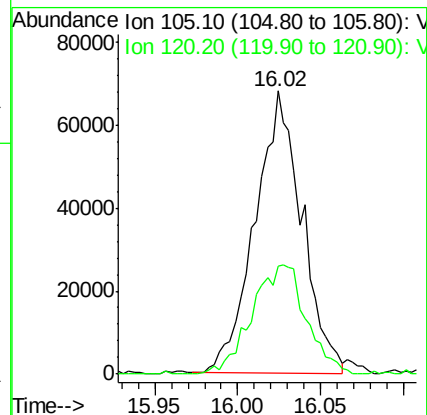
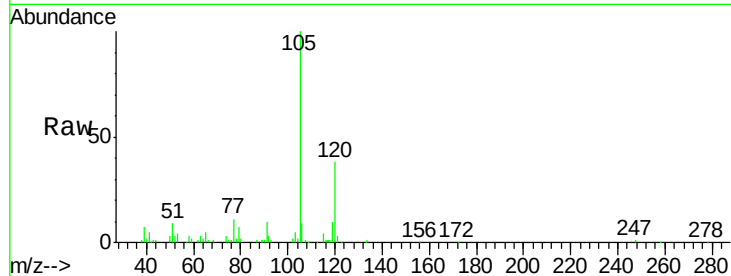
Ion Ratio Lower Upper

105 100

120 38.1 37.0 55.6

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#74

1,2,4-Trimethylbenzene

Concen: 0.489 ppbv m

RT: 16.79 min Scan# 4354

Delta R.T. -0.01 min

Lab File: VL035095.D

Acq: 19 Jun 2020 15:12

Tgt Ion:105 Resp: 173608

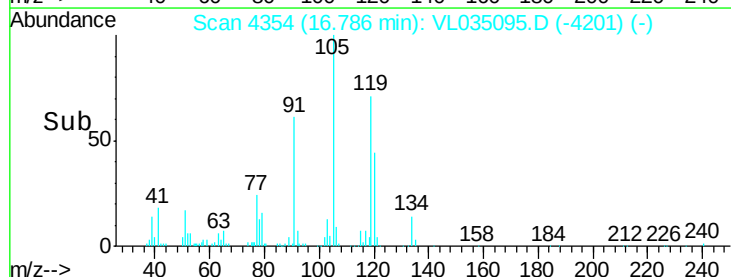
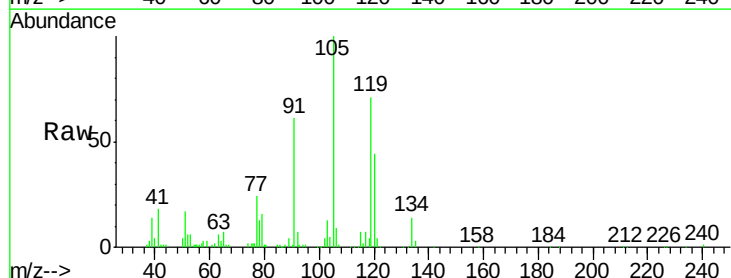
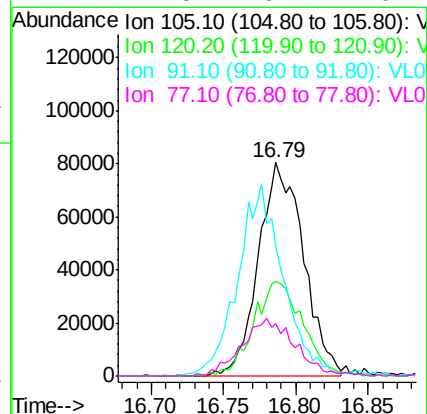
Ion Ratio Lower Upper

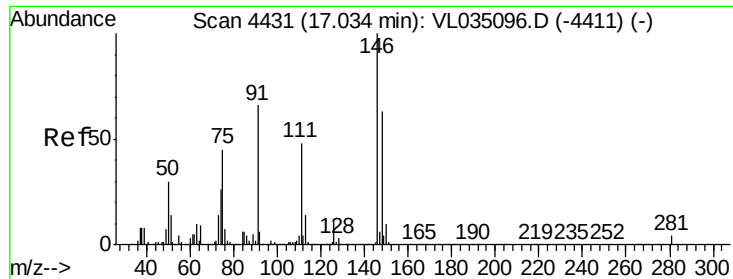
105 100

120 44.1 37.9 56.9

91 60.9 46.0 69.0

77 24.5 19.4 29.2





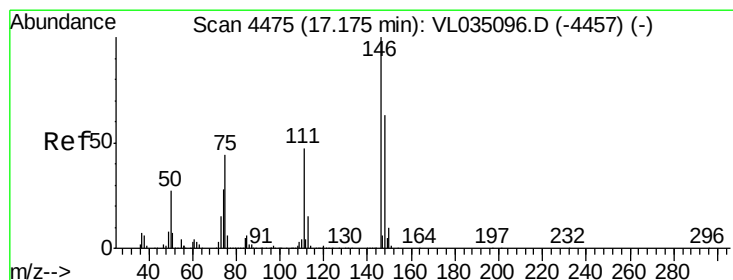
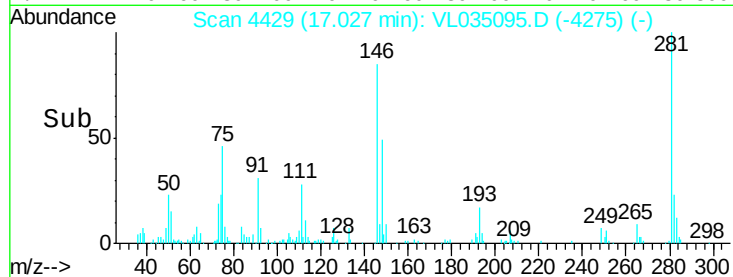
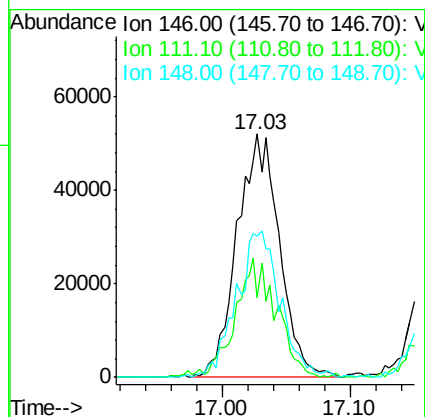
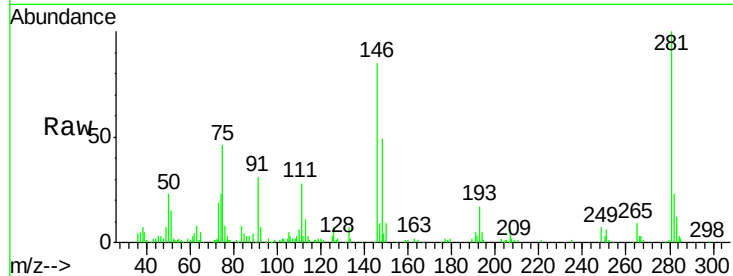
#75
 1,3-Dichlorobenzene
 Concen: 0.569 ppbv m
 RT: 17.03 min Scan# 4429
 Delta R.T. -0.01 min
 Lab File: VL035095.D
 Acq: 19 Jun 2020 15:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.0	24.1	72.4
148	0.0	32.3	96.8

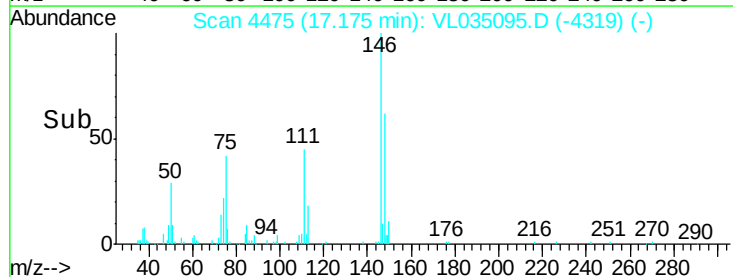
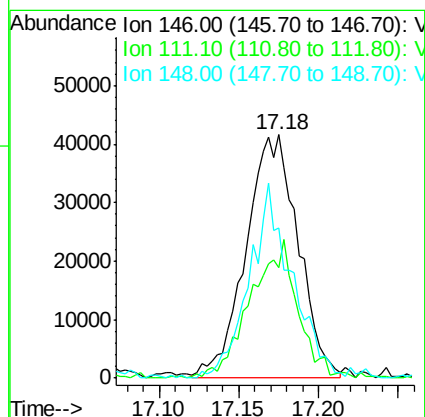
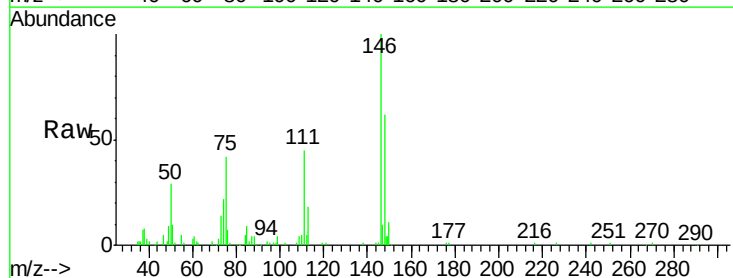
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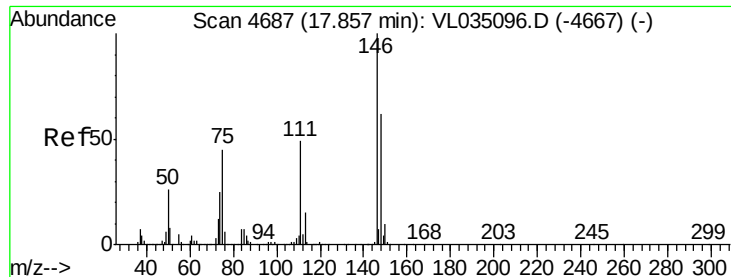
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#76
 1,4-Dichlorobenzene
 Concen: 0.478 ppbv m
 RT: 17.18 min Scan# 4475
 Delta R.T. 0.00 min
 Lab File: VL035095.D
 Acq: 19 Jun 2020 15:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.5	70.5
148	65.2	32.0	96.2





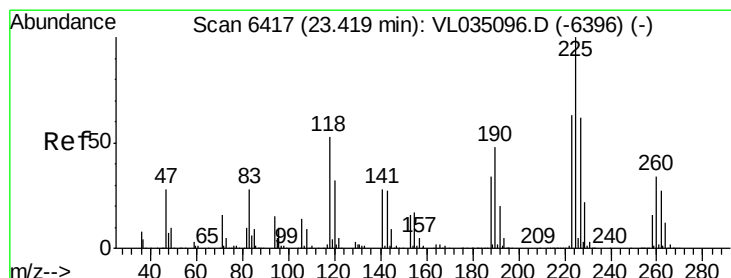
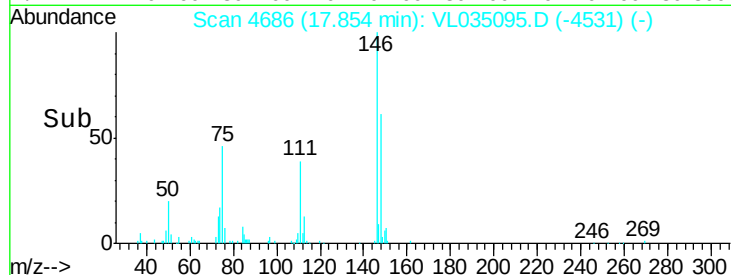
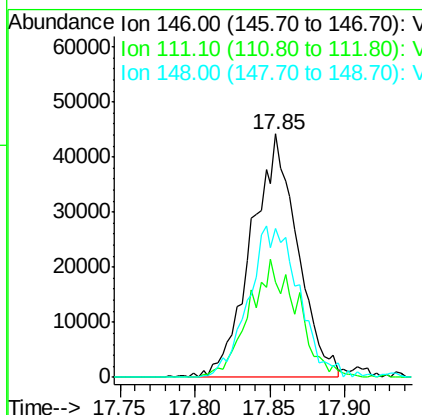
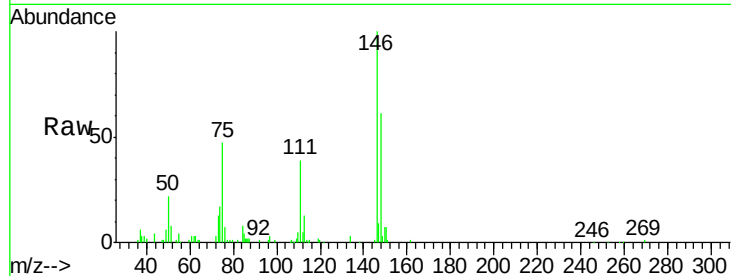
#77
 1,2-Dichlorobenzene
 Concen: 0.484 ppbv m
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.00 min
 Lab File: VL035095.D
 Acq: 19 Jun 2020 15:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.6	25.0	75.0
148	67.6	32.3	96.8

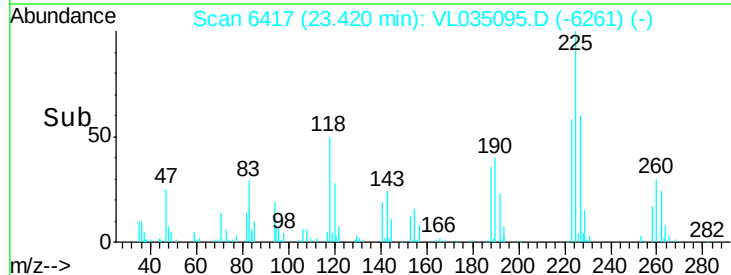
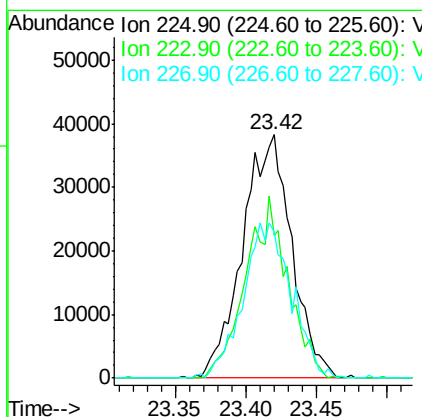
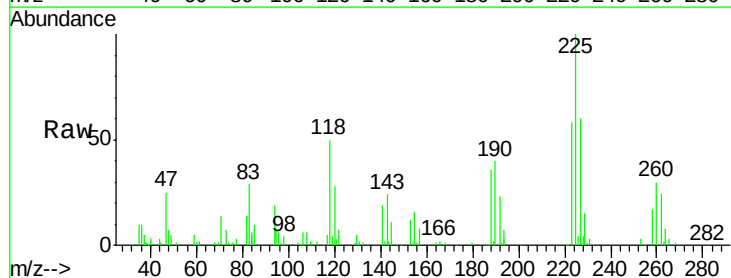
Manual Integrations
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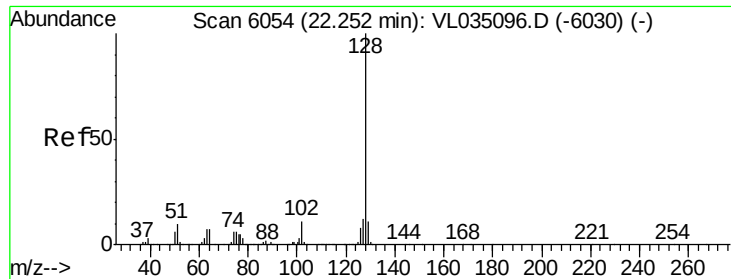
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.552 ppbv m
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL035095.D
 Acq: 19 Jun 2020 15:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.4	77.0#
227	62.6	51.8	77.8





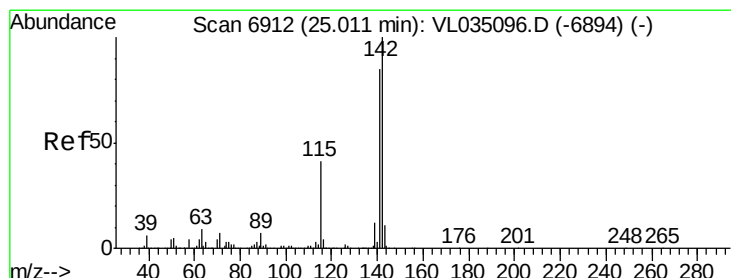
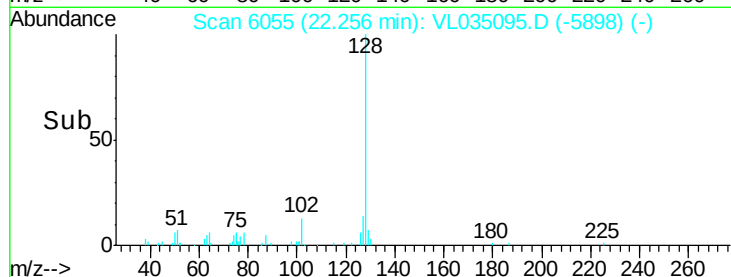
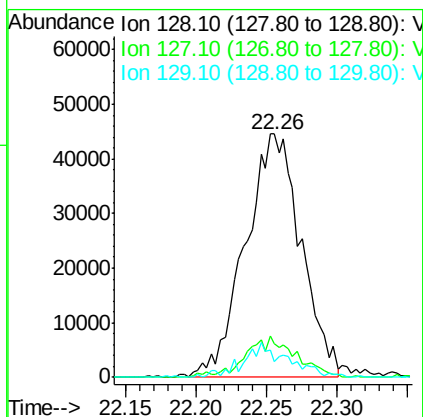
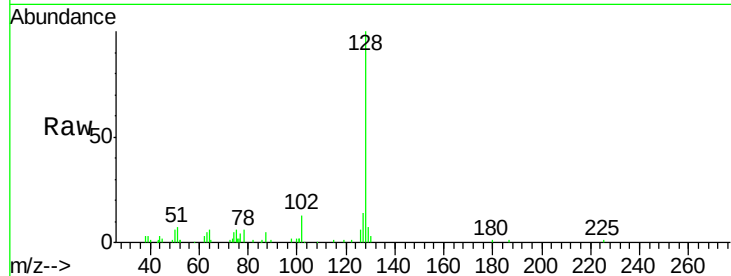
#79
Naphthalene
Concen: 0.445 ppbv
RT: 22.26 min Scan# 6055
Delta R.T. 0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.9	14.9
129	6.7	9.0	13.4

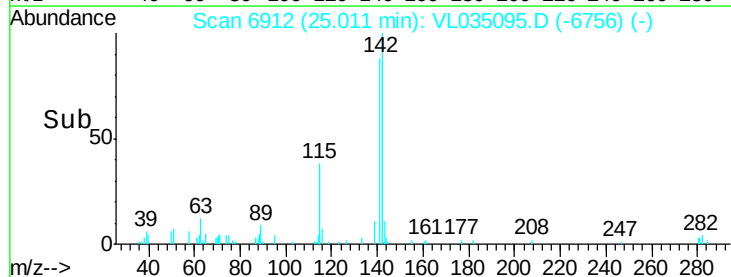
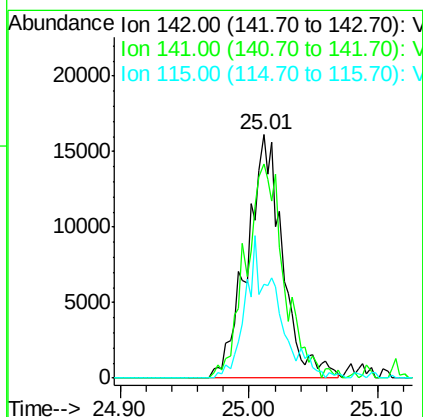
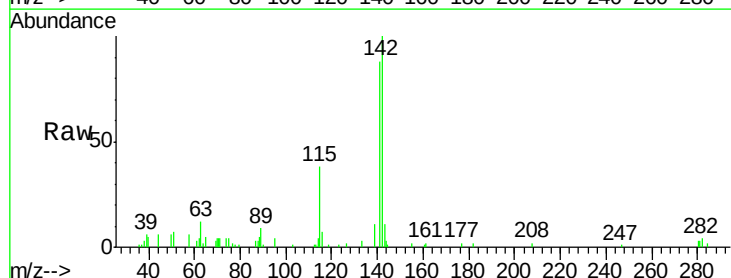
Manual Integrations
APPROVED

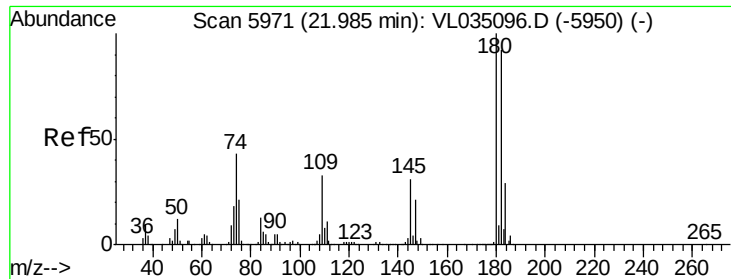
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6/22/2020 2:08:48 PM



#80
Naphthalene, 2-methyl-
Concen: 0.449 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. 0.00 min
Lab File: VL035095.D
Acq: 19 Jun 2020 15:12

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.0	67.5	101.3
115	50.9	33.8	50.8





#81
 1,2,4-Trichlorobenzene
 Concen: 0.488 ppbv m
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL035095.D
 Acq: 19 Jun 2020 15:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.9	116.9#
184	0.0	24.6	37.0#

Manual Integrations
 APPROVED

MMDadoda
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