

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061920\
 Data File : VL035099.D
 Acq On : 19 Jun 2020 17:50
 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

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 6/22/2020 2:09:02 PM

Quant Time: Jun 20 01:56:11 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	1351253	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3140389	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2910150	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2508959	10.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	117524	0.605	ppbv	98
3) Chlorodifluoromethane	2.94	51	81025	0.524	ppbv	97
4) Chloromethane	3.09	50	44405	0.502	ppbv	93
5) Vinyl Chloride	3.21	62	39870	0.462	ppbv	97
6) Bromomethane	3.43	94	26740	0.518	ppbv	98
7) Chloroethane	3.52	64	16699	0.540	ppbv	92
8) Dichlorotetrafluoroethane	3.14	85	112491	0.564	ppbv	95
9) Propene	2.96	41	28645	0.432	ppbv	93
10) Heptane	8.12	43	65022	0.391	ppbv	97
11) Trichlorofluoromethane	3.92	101	107582	0.544	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	77527	0.552	ppbv	96
13) Ethanol	3.58	45	15979m	0.746	ppbv	
14) Bromoethene	3.70	108	29214	0.502	ppbv	94
15) Acetone	3.83	43	95088	0.533	ppbv	91
16) 1,3-Butadiene	3.28	39	35394	0.461	ppbv	98
17) tert-Butyl alcohol	4.27	59	79093	0.500	ppbv	99
18) 1,1-Dichloroethene	4.26	96	30528	0.500	ppbv	93
19) Isopropyl Alcohol	3.94	45	60736	0.517	ppbv #	91
20) Methylene Chloride	4.31	84	39797	0.675	ppbv	87
21) Allyl Chloride	4.38	41	49658	0.494	ppbv	96
22) trans-1,2-Dichloroethene	4.86	96	29210	0.489	ppbv #	94
23) Vinyl Acetate	5.05	43	86534	0.387	ppbv #	97
24) 1,1-Dichloroethane	4.98	63	90484m	0.519	ppbv	
25) Ethyl Acetate	5.66	43	157573	0.526	ppbv	99
26) Hexane	5.67	57	66573	0.513	ppbv	92
27) Carbon Disulfide	4.52	76	62570	0.413	ppbv #	87
28) Methyl tert-Butyl Ether	5.02	73	89927	0.456	ppbv	97
29) Chloroform	5.73	83	117114	0.549	ppbv	91
30) Cyclohexane	7.13	84	40240m	0.399	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	58482	0.460	ppbv #	87
32) 1,1,1-Trichloroethane	6.50	97	96498	0.501	ppbv	98
34) 2-Butanone	5.23	43	87600	0.452	ppbv	97
35) Carbon Tetrachloride	7.02	117	89692m	0.453	ppbv	
36) Benzene	6.88	78	117021	0.453	ppbv #	91
37) 1,2-Dichloroethane	6.29	62	79194	0.495	ppbv	98
38) Trichloroethene	7.83	130	43883	0.436	ppbv #	82
39) 1,2-Dichloropropane	7.61	63	47964	0.463	ppbv #	82
40) 1,4-Dioxane	7.86	88	21539m	0.522	ppbv	
41) Tetrahydrofuran	6.06	42	39272	0.386	ppbv #	91
42) Bromodichloromethane	7.79	83	97502	0.453	ppbv #	92
43) Methyl Methacrylate	8.01	69	43165	0.396	ppbv	95

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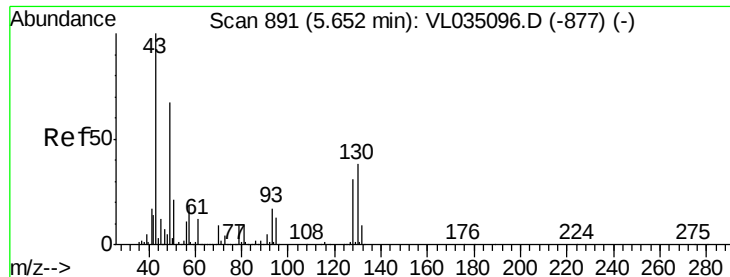
Manual Integrations
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Quant Time: Jun 20 01:56:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 01:15:38 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	206293	0.449	ppbv	95
45) t-1,3-Dichloropropene	9.30	75	33041m	0.302	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	47136	0.350	ppbv	94
47) 1,1,2-Trichloroethane	9.49	97	51558	0.470	ppbv #	92
48) Dibromochloromethane	10.32	129	65135	0.387	ppbv	95
49) Bromoform	13.06	173	53402m	0.370	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	115521	0.418	ppbv	93
51) 2-Hexanone	10.16	43	83200m	0.386	ppbv	
52) Tetrachloroethene	11.24	164	38170	0.414	ppbv	86
53) Toluene	9.82	91	103683	0.378	ppbv	97
54) 1,2-Dibromoethane	10.63	107	73005	0.454	ppbv	82
56) 1,1,1,2-Tetrachloroethane	12.14	131	59639	0.459	ppbv #	29
57) Chlorobenzene	12.17	112	114534m	0.501	ppbv	
58) Ethyl Benzene	12.73	91	133865	0.378	ppbv	91
59) m/p-Xylene	13.01	91	277855m	0.889	ppbv	
60) o-Xylene	13.72	91	142391	0.462	ppbv	94
61) Styrene	13.55	104	69734m	0.358	ppbv	
62) Isopropylbenzene	14.69	105	211129	0.459	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.70	83	120490m	0.494	ppbv	
64) n-propylbenzene	15.59	120	52978m	0.448	ppbv	
65) tert-Butylbenzene	16.78	119	174886m	0.437	ppbv	
66) Benzyl Chloride	17.03	91	48092m	0.363	ppbv	
67) sec-Butylbenzene	17.32	105	257411m	0.452	ppbv	
69) p-Isopropyltoluene	17.69	119	193073m	0.419	ppbv	
70) n-Butylbenzene	18.59	91	216349	0.442	ppbv	94
71) 2-Chlorotoluene	15.48	91	149785m	0.431	ppbv	
72) 4-Ethyltoluene	15.87	105	139481	0.405	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.03	105	137491	0.412	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	173917m	0.477	ppbv	
75) 1,3-Dichlorobenzene	17.03	146	112749m	0.524	ppbv	
76) 1,4-Dichlorobenzene	17.17	146	99079	0.486	ppbv	97
77) 1,2-Dichlorobenzene	17.85	146	93053	0.462	ppbv	93
78) Hexachloro-1,3-Butadiene	23.42	225	93151m	0.540	ppbv	
79) Naphthalene	22.26	128	125561m	0.446	ppbv	
80) Naphthalene, 2-methyl-	25.01	142	31759	0.448	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	87014m	0.507	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: 1351253

Ion Ratio Lower Upper

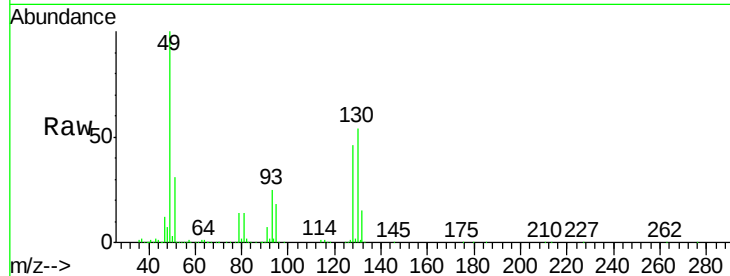
49 100

128 46.1 22.9 68.5

130 60.5 29.0 87.0

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.65

800000

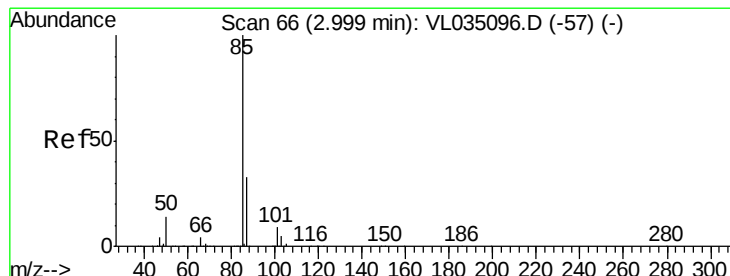
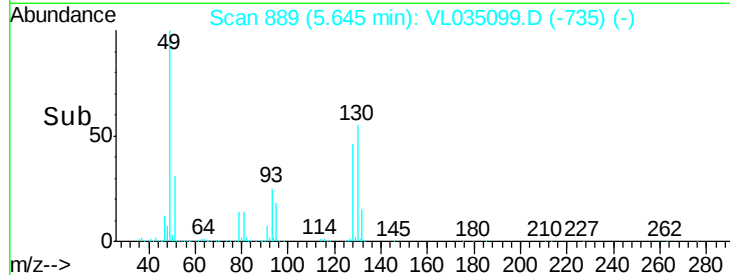
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.605 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL035099.D

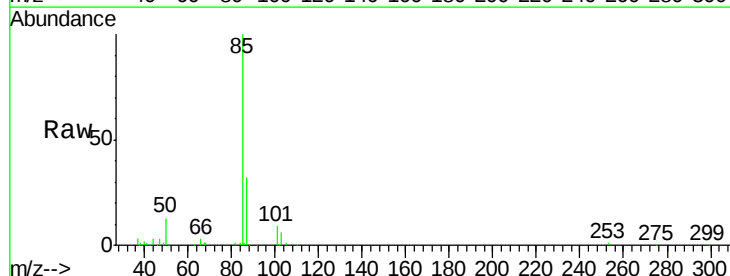
Acq: 19 Jun 2020 17:50

Tgt Ion: 85 Resp: 117524

Ion Ratio Lower Upper

85 100

87 31.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

120000

100000

80000

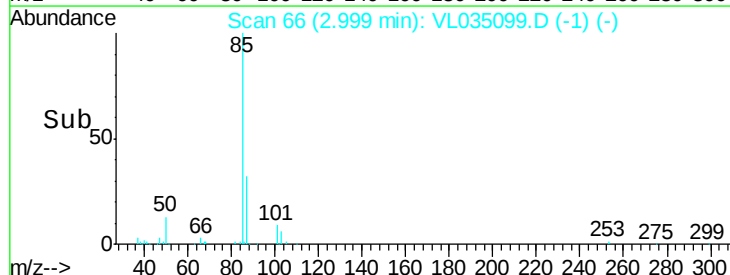
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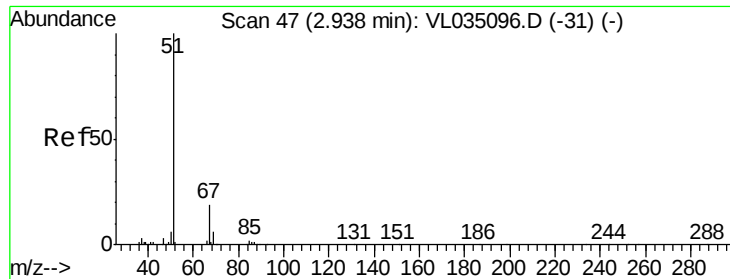
40000

20000

0

Time-->





#3

Chlorodifluoromethane

Concen: 0.524 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 51 Resp: 81025

Ion Ratio Lower Upper

51 100

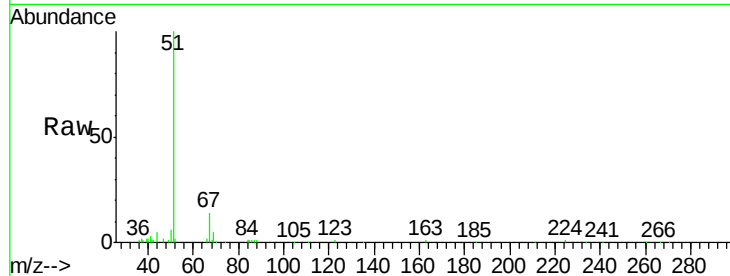
67 17.6 15.2 22.8

Manual Integrations

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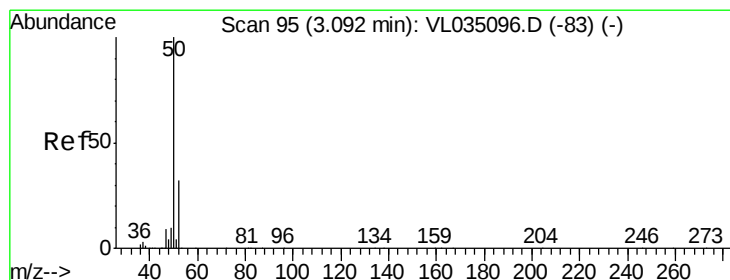
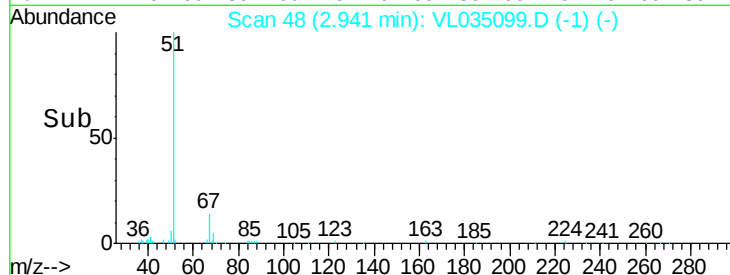
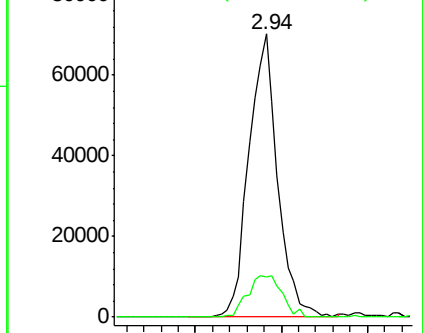
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.502 ppbv

RT: 3.09 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL035099.D

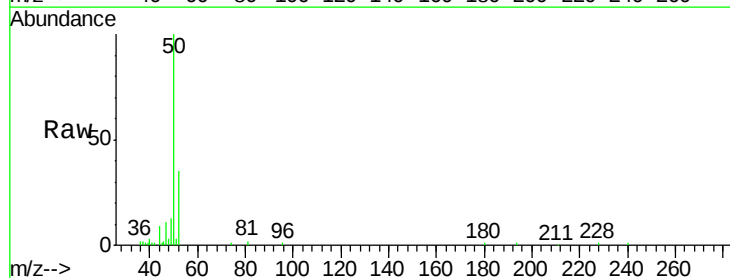
Acq: 19 Jun 2020 17:50

Tgt Ion: 50 Resp: 44405

Ion Ratio Lower Upper

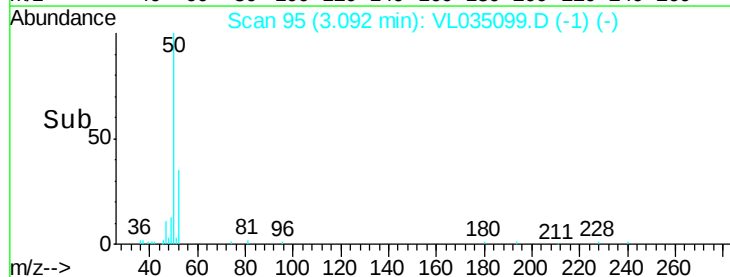
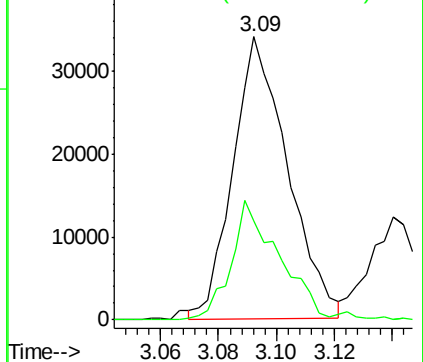
50 100

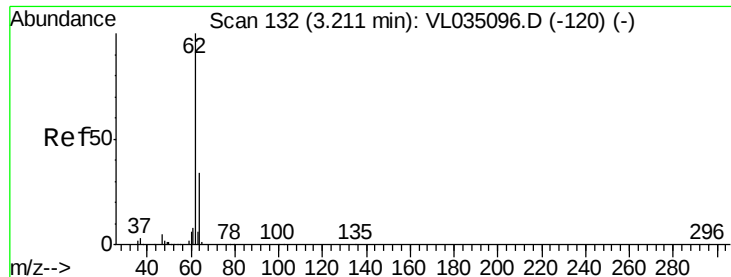
52 35.4 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.462 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 62 Resp: 39870

Ion Ratio Lower Upper

62 100

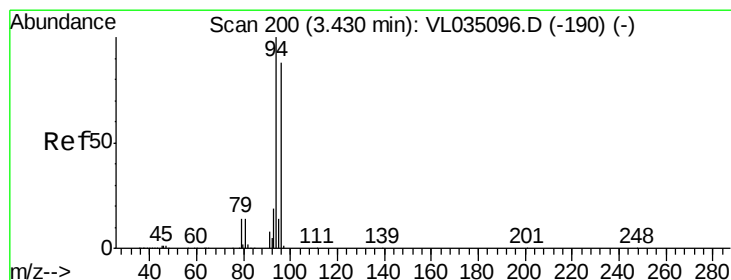
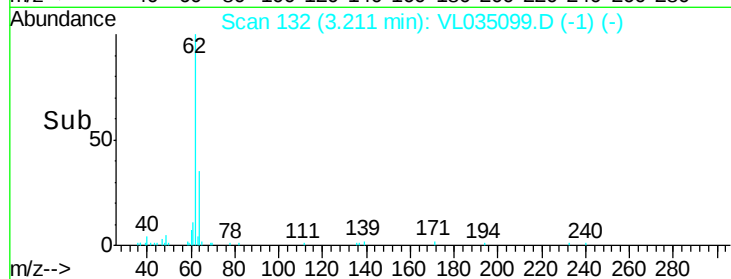
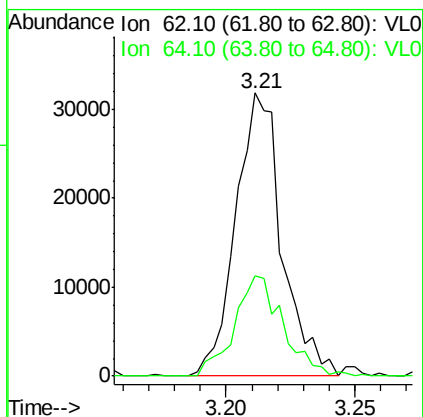
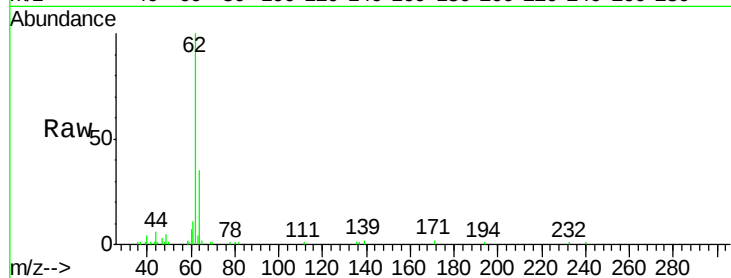
64 35.5 27.0 40.4

Manual Integrations

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#6

Bromomethane

Concen: 0.518 ppbv

RT: 3.43 min Scan# 200

Delta R.T. 0.00 min

Lab File: VL035099.D

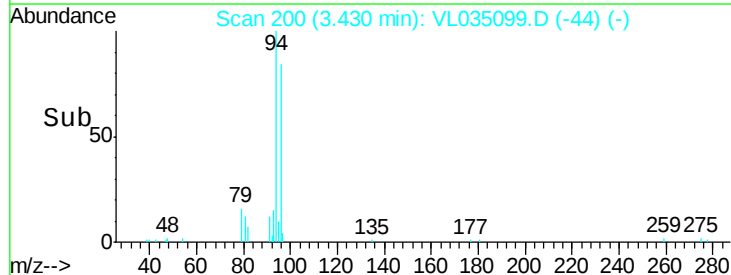
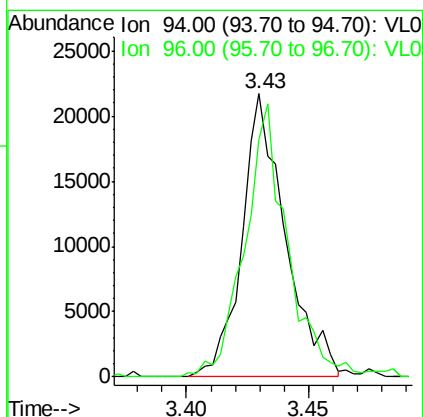
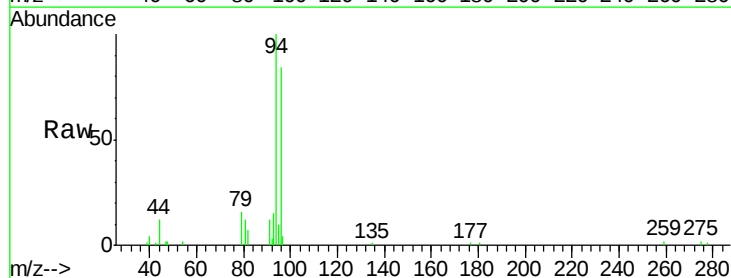
Acq: 19 Jun 2020 17:50

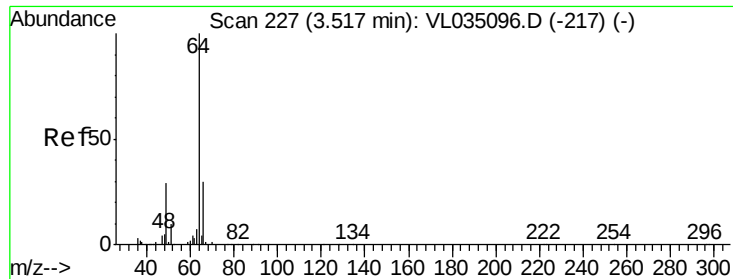
Tgt Ion: 94 Resp: 26740

Ion Ratio Lower Upper

94 100

96 86.1 70.2 105.2





#7

Chloroethane

Concen: 0.540 ppbv

RT: 3.52 min Scan# 227

Delta R.T. 0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 64 Resp: 16699

Ion Ratio Lower Upper

64 100

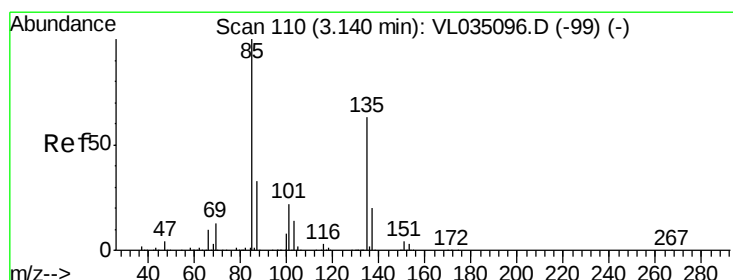
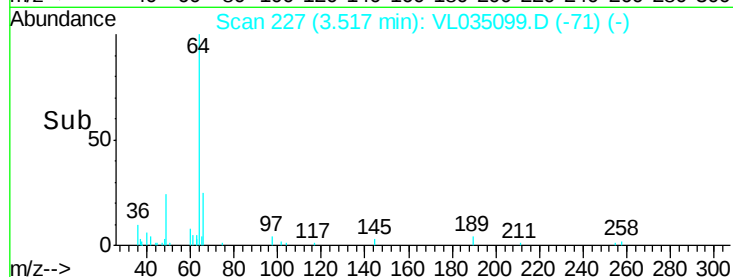
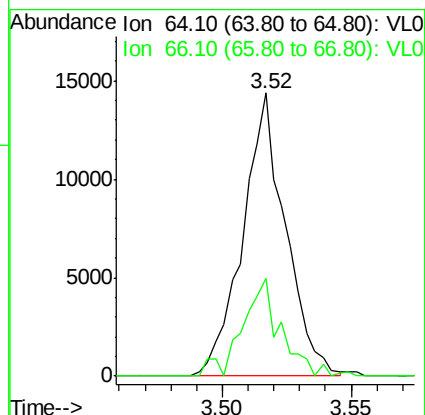
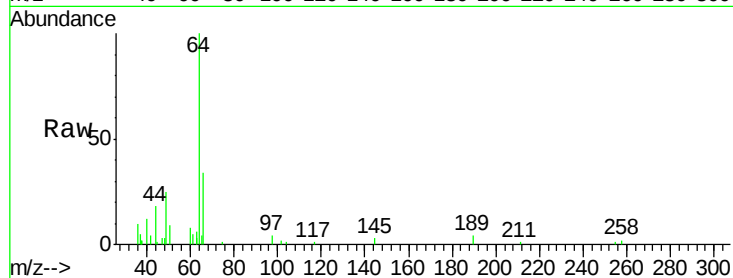
66 34.5 24.2 36.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.564 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL035099.D

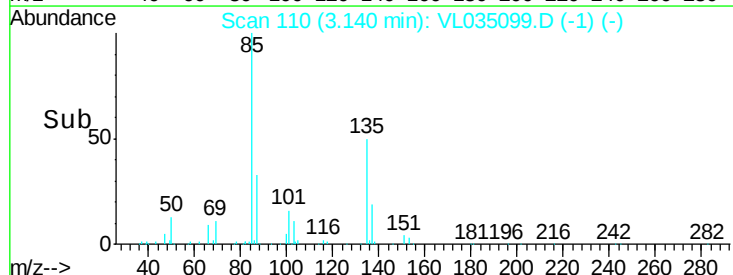
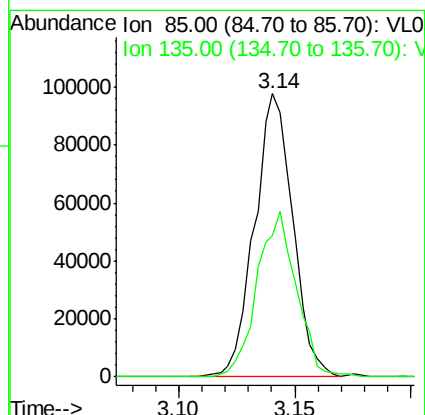
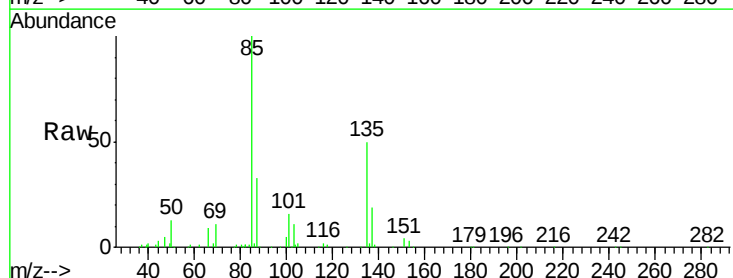
Acq: 19 Jun 2020 17:50

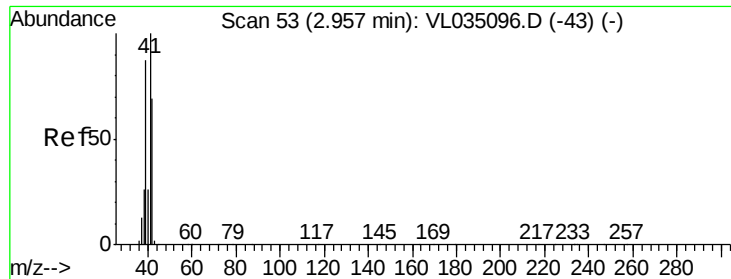
Tgt Ion: 85 Resp: 112491

Ion Ratio Lower Upper

85 100

135 59.9 51.0 76.6





#9

Propene

Concen: 0.432 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 41 Resp: 28645

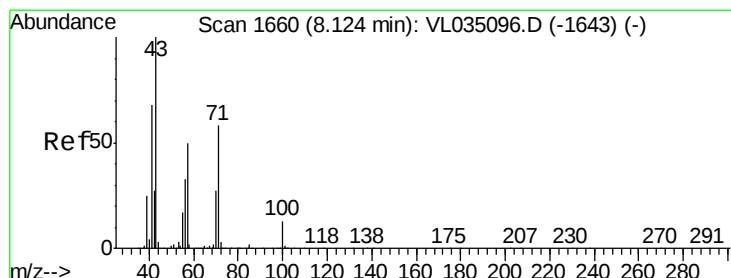
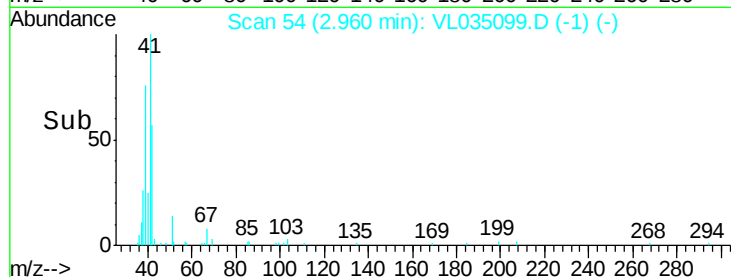
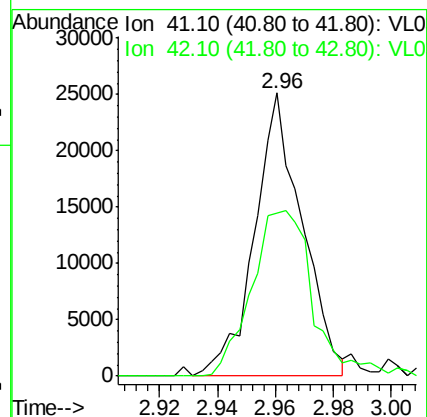
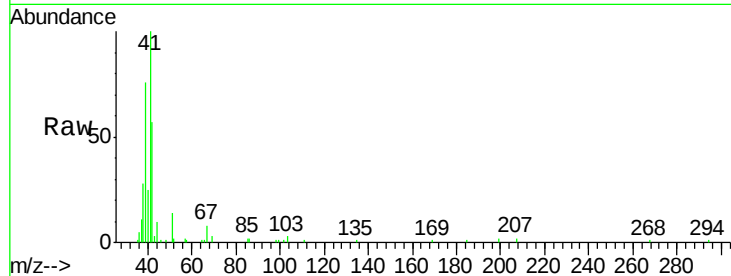
Ion Ratio Lower Upper

41 100

42 75.6 55.8 83.6

Manual Integrations
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#10

Heptane

Concen: 0.391 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL035099.D

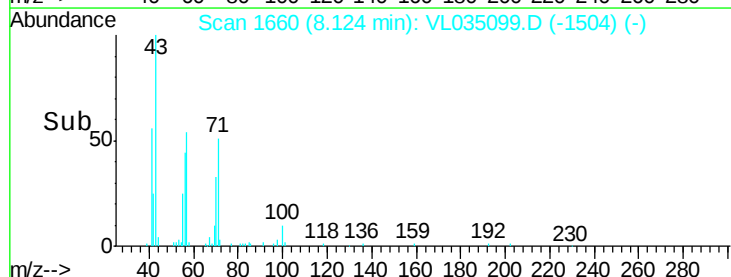
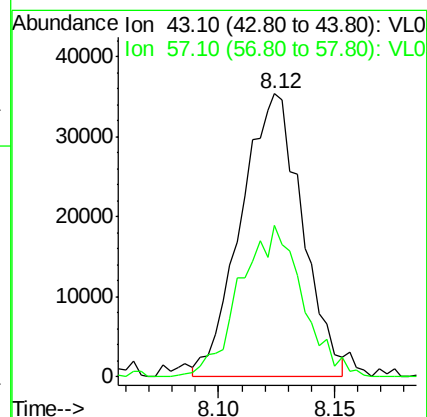
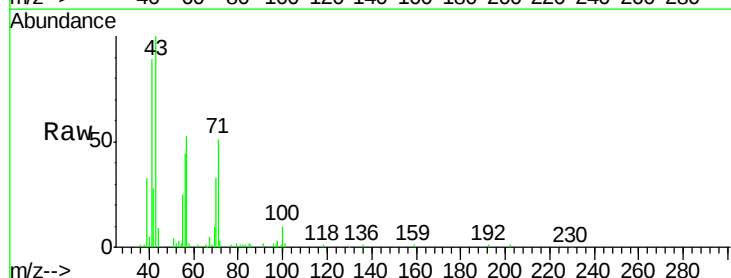
Acq: 19 Jun 2020 17:50

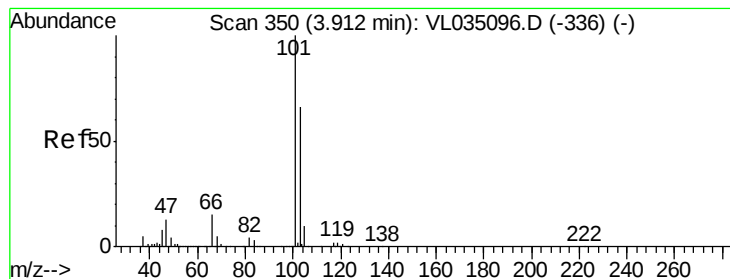
Tgt Ion: 43 Resp: 65022

Ion Ratio Lower Upper

43 100

57 54.2 41.9 62.9





#11

Trichlorofluoromethane

Concen: 0.544 ppbv

RT: 3.92 min Scan# 351

Delta R.T. 0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

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ClientSampleId :

VSTDICCC0.5

Tot Ion:101 Resp: 107582

Ion Ratio Lower Upper

101 100

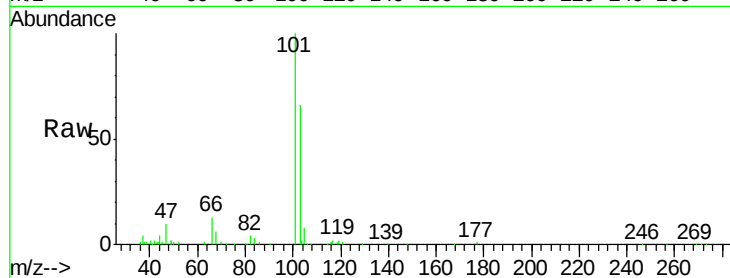
103 66.4 52.6 79.0

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APPROVED

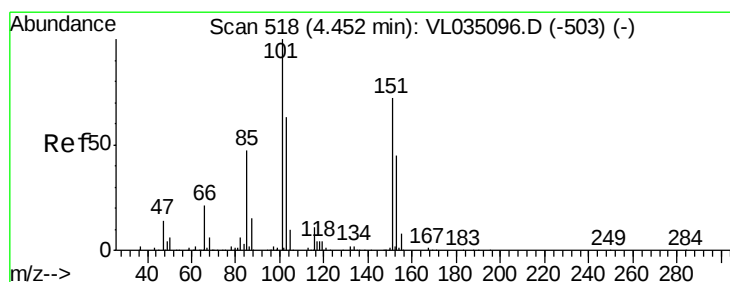
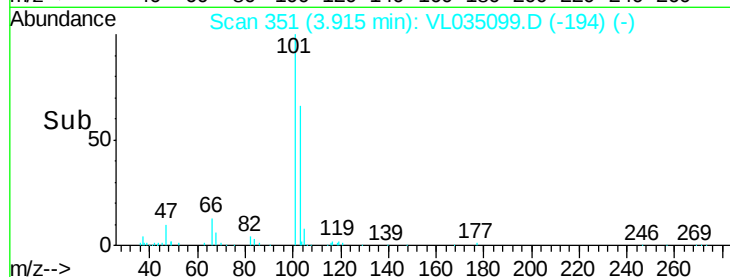
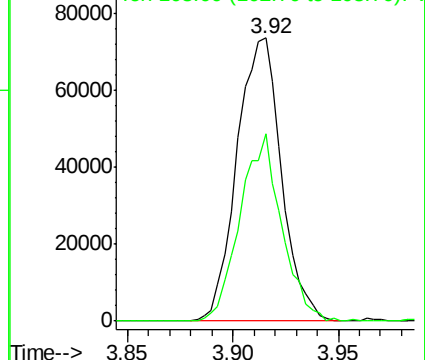
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.552 ppbv

RT: 4.46 min Scan# 519

Delta R.T. 0.00 min

Lab File: VL035099.D

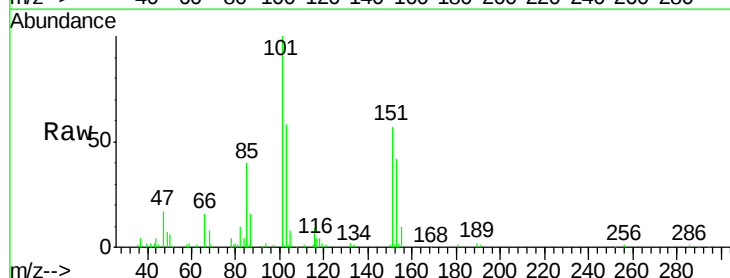
Acq: 19 Jun 2020 17:50

Tgt Ion:101 Resp: 77527

Ion Ratio Lower Upper

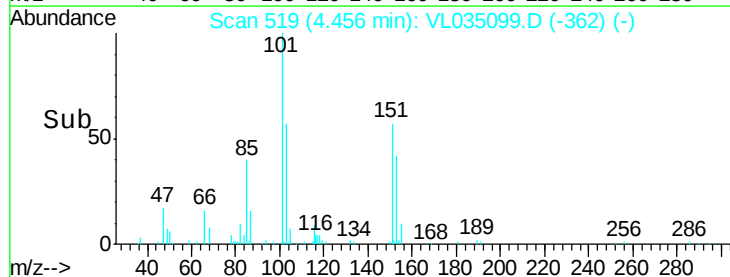
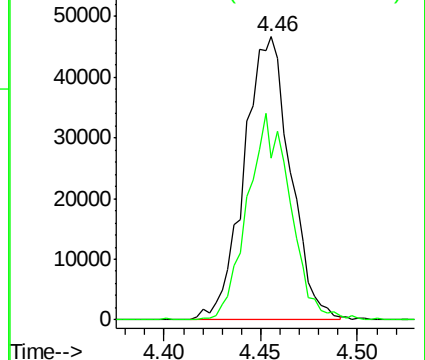
101 100

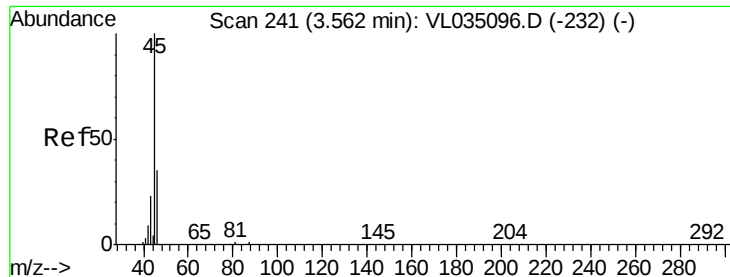
151 67.8 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.746 ppbv m

RT: 3.58 min Scan# 246

Delta R.T. 0.02 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 45 Resp: 15979

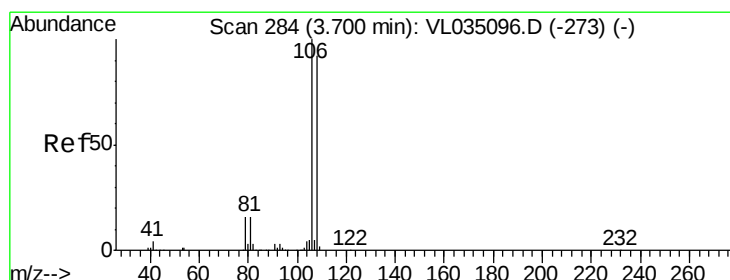
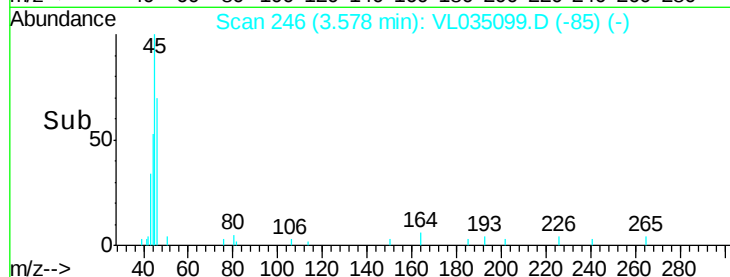
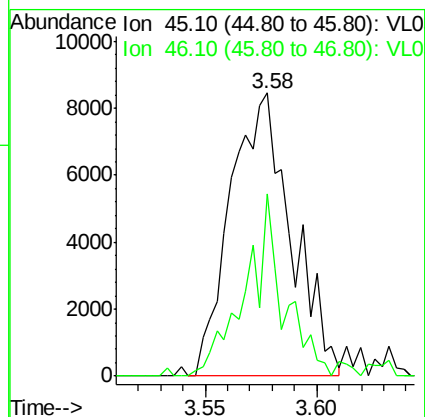
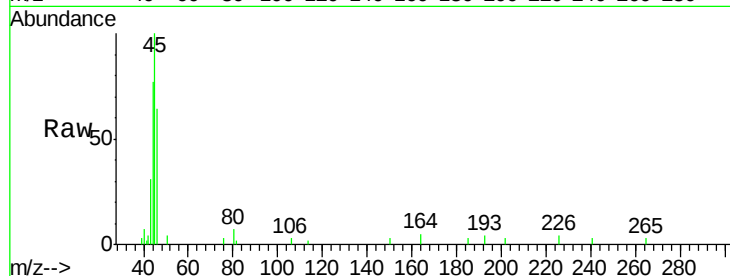
Ion Ratio Lower Upper

45 100

46 0.0 14.2 57.0#

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#14

Bromoethene

Concen: 0.502 ppbv

RT: 3.70 min Scan# 283

Delta R.T. -0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

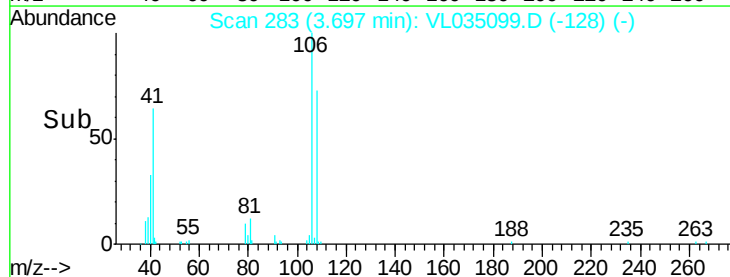
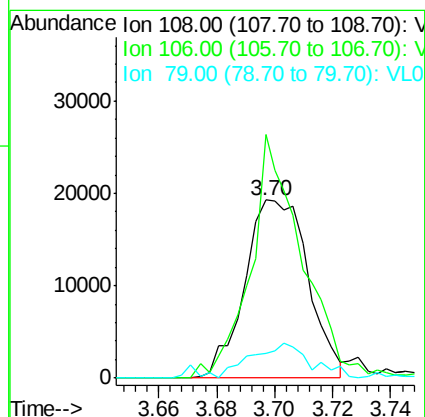
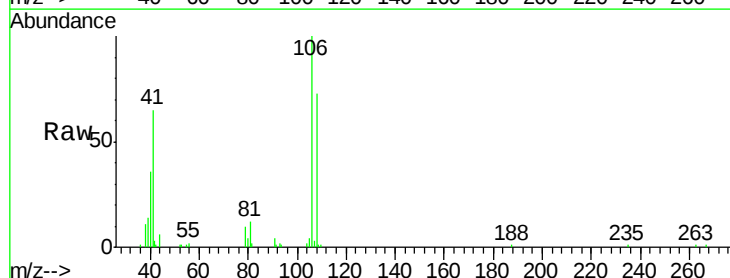
Tgt Ion: 108 Resp: 29214

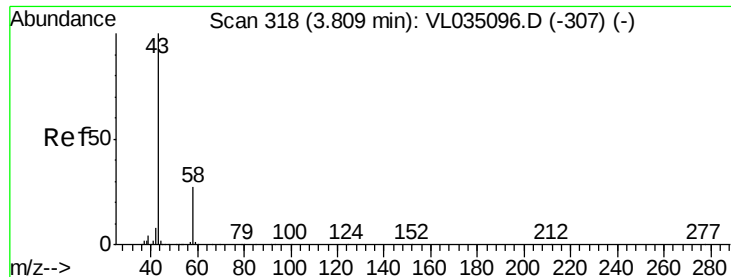
Ion Ratio Lower Upper

108 100

106 111.9 84.4 126.6

79 21.1 14.2 21.2





#15

Acetone

Concen: 0.533 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.02 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 43 Resp: 95088

Ion Ratio Lower Upper

43 100

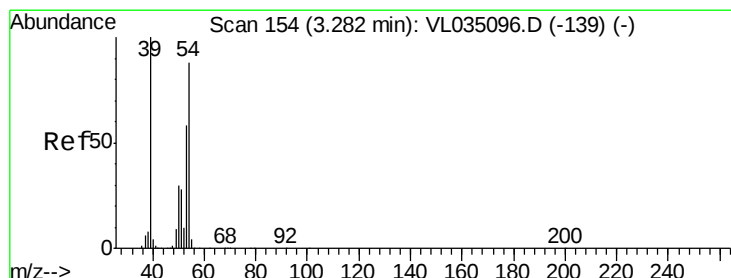
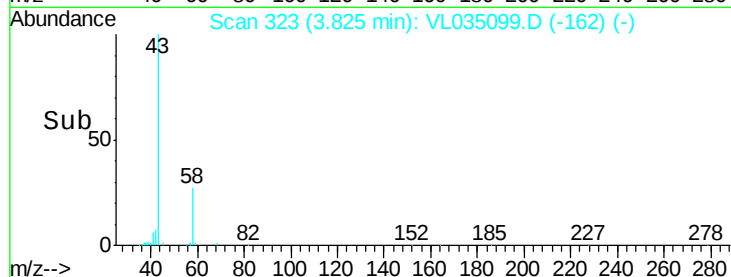
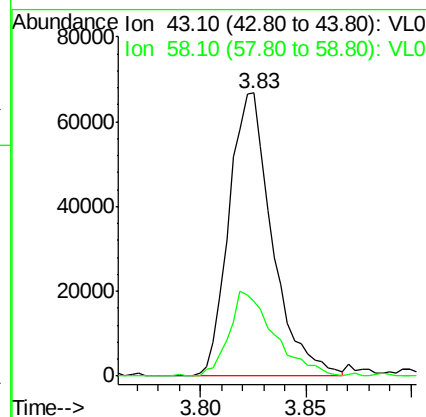
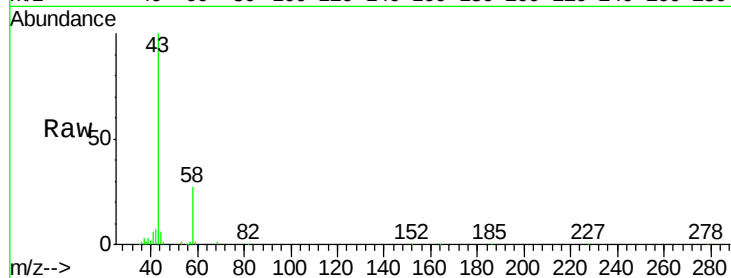
58 31.9 21.8 32.6

Manual Integrations

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#16

1,3-Butadiene

Concen: 0.461 ppbv

RT: 3.28 min Scan# 154

Delta R.T. 0.00 min

Lab File: VL035099.D

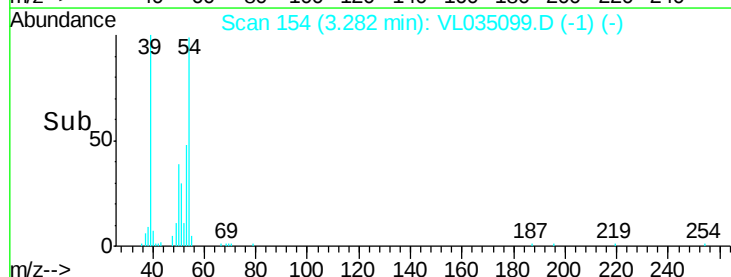
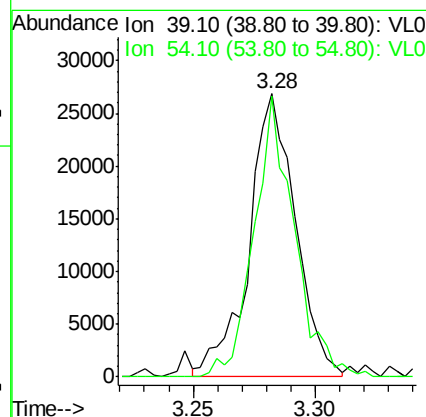
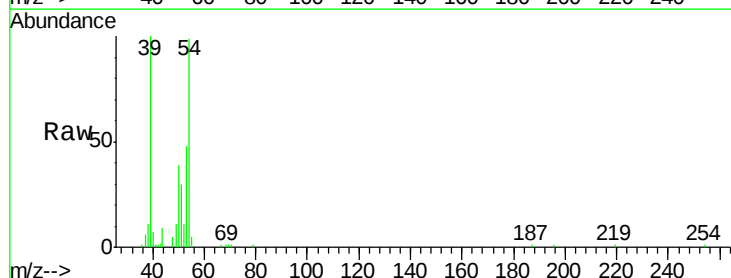
Acq: 19 Jun 2020 17:50

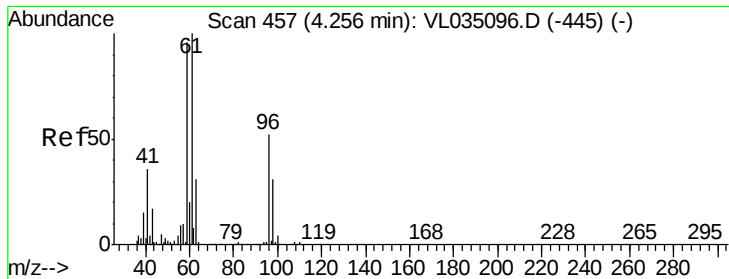
Tgt Ion: 39 Resp: 35394

Ion Ratio Lower Upper

39 100

54 85.9 67.0 100.4





#17

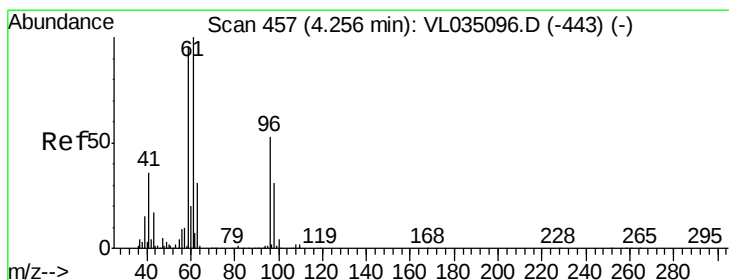
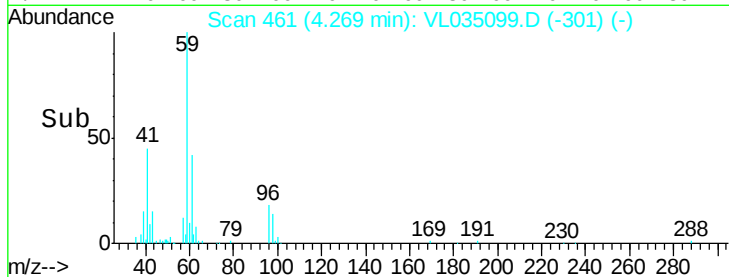
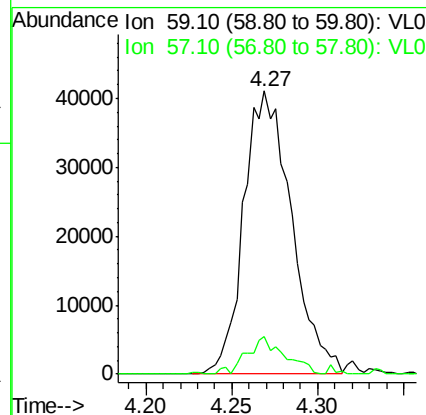
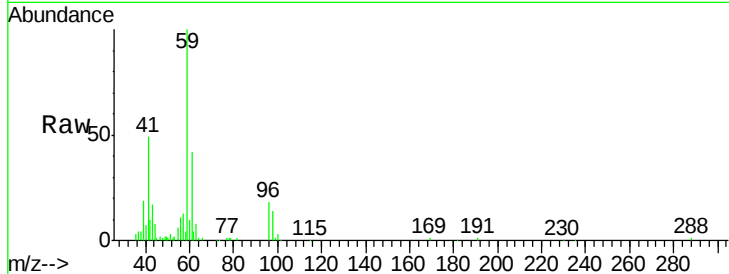
tert-Butyl alcohol
Concen: 0.500 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	59	Resp	79093
Ion Ratio	Lower	Upper	
59	100		
57	11.1	8.6	12.8

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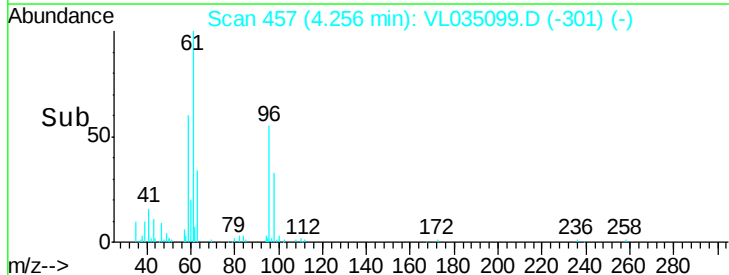
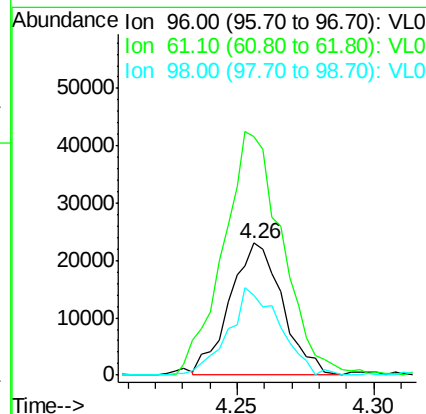
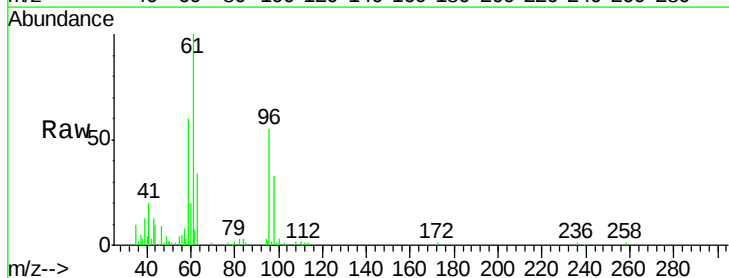
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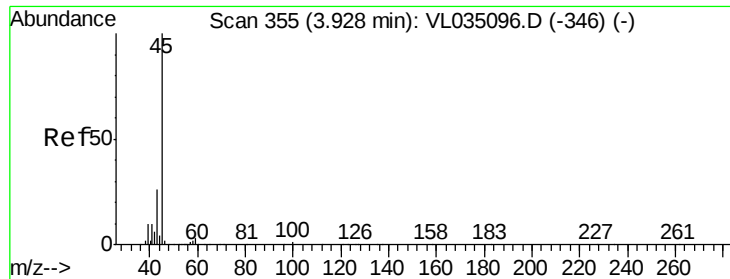


#18

1,1-Dichloroethene
Concen: 0.500 ppbv
RT: 4.26 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion	96	Resp	30528
Ion Ratio	Lower	Upper	
96	100		
61	177.3	152.2	228.4
98	60.8	47.7	71.5





#19

Isopropyl Alcohol

Concen: 0.517 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.01 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 45 Resp: 60736

Ion Ratio Lower Upper

45 100

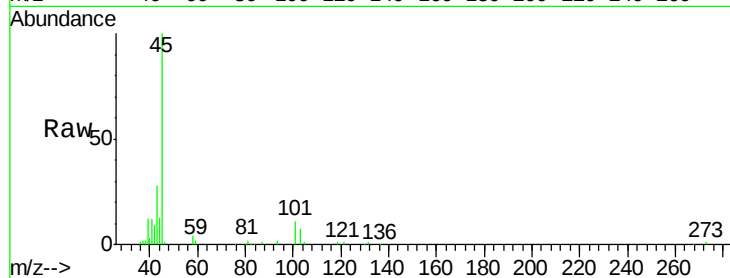
58 5.5 1.8 2.8#

Manual Integrations

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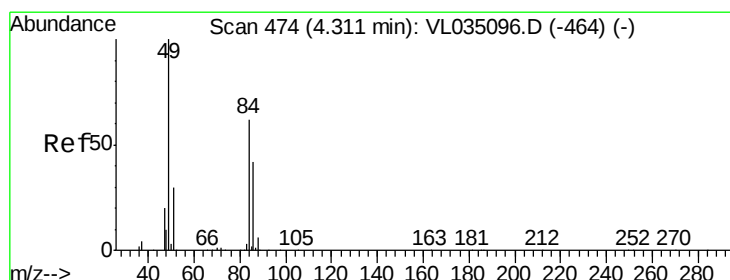
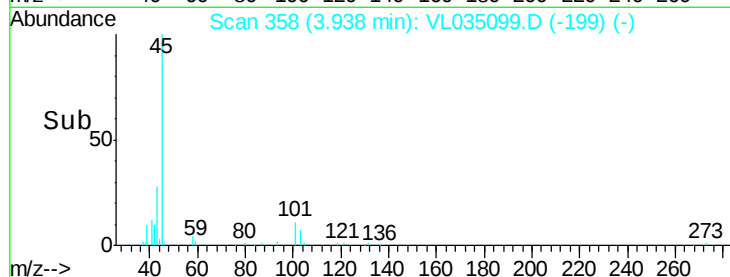
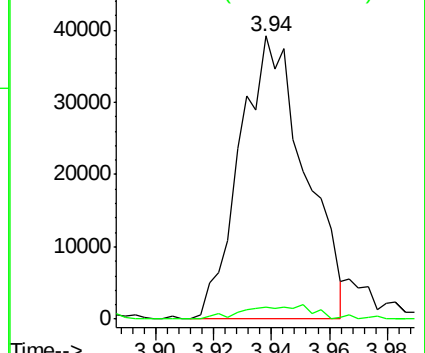
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.675 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Tgt Ion: 84 Resp: 39797

Ion Ratio Lower Upper

84 100

49 136.9 128.8 193.2

51 42.2 38.7 58.1

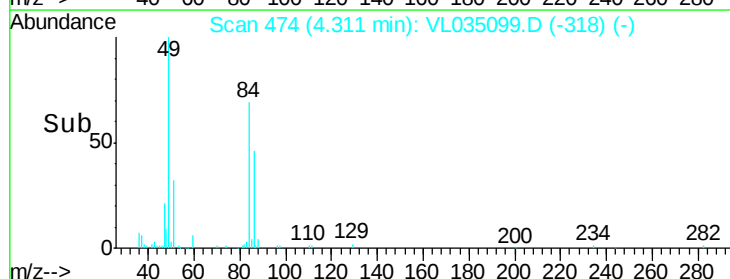
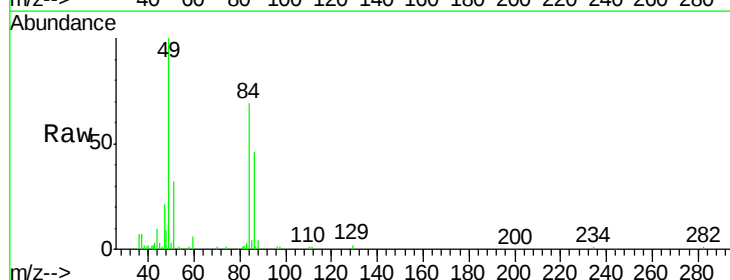
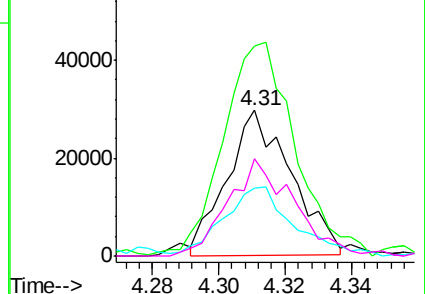
86 64.5 54.1 81.1

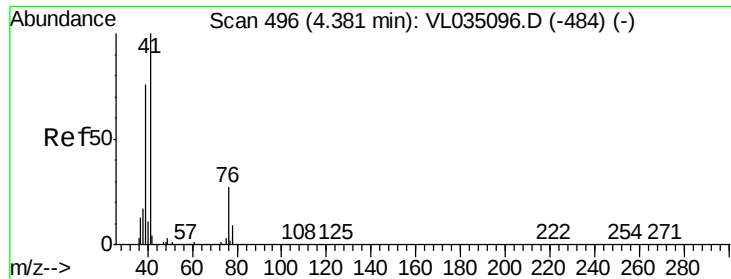
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





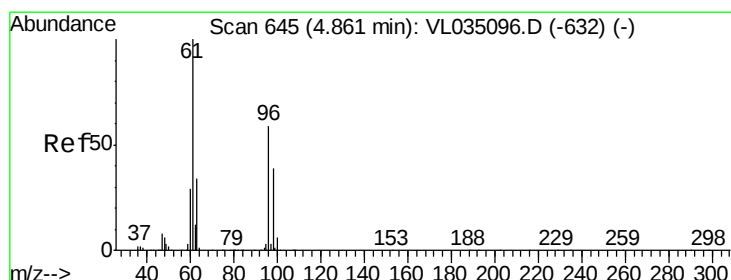
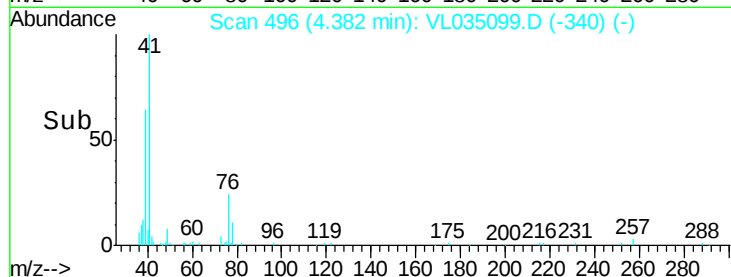
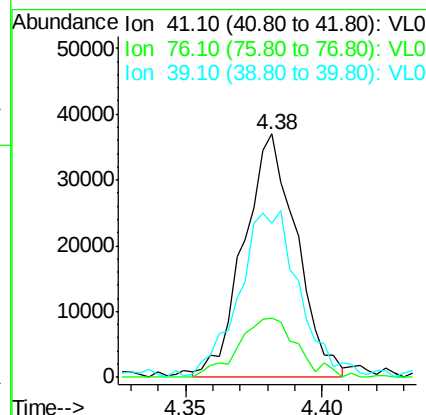
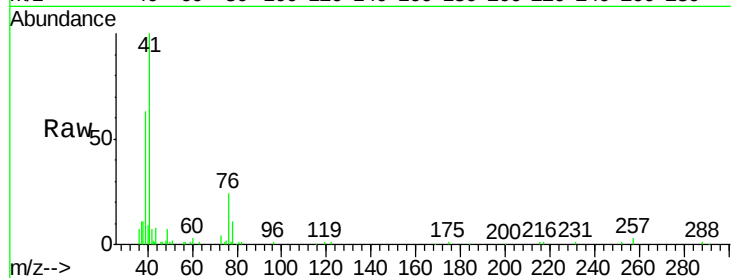
#21
Allvl Chloride
Concen: 0.494 ppbv
RT: 4.38 min Scan# 496
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.4	22.6	34.0
39	81.1	61.6	92.4

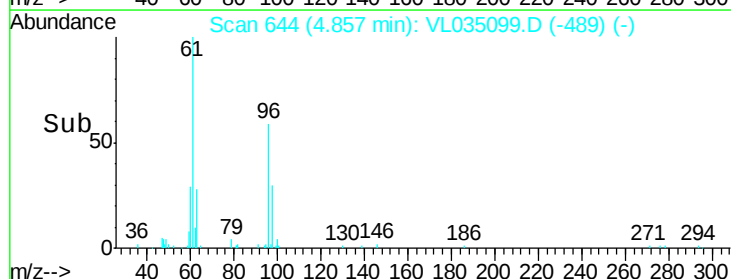
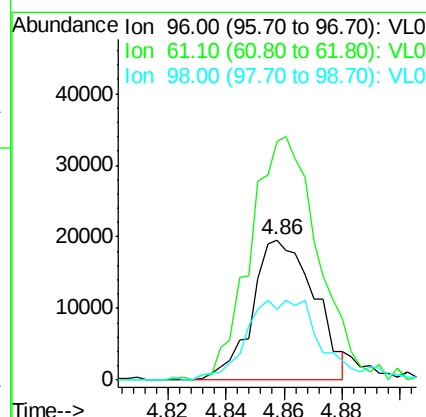
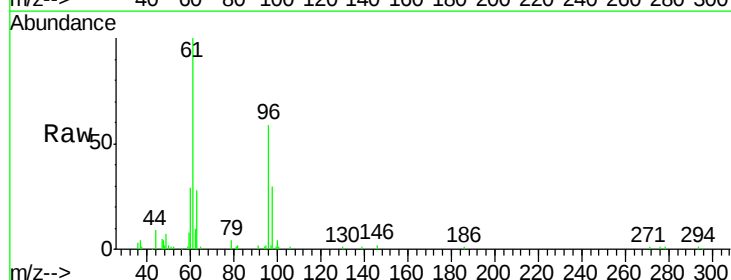
Manual Integrations
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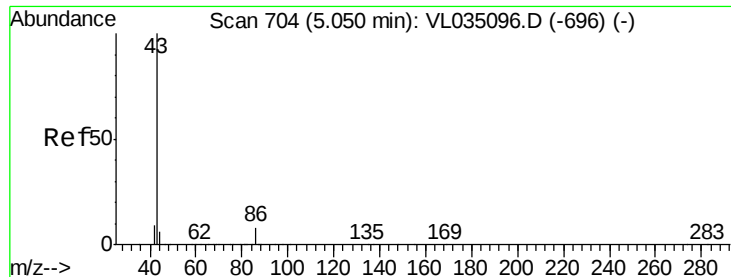
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#22
trans-1,2-Dichloroethene
Concen: 0.489 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.5	134.5	201.7
98	50.8	52.6	79.0#





#23

Vinyl Acetate

Concen: 0.387 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

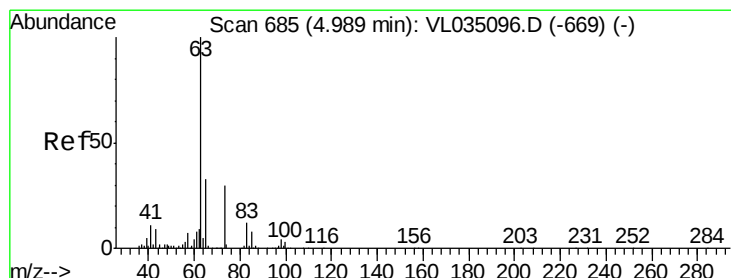
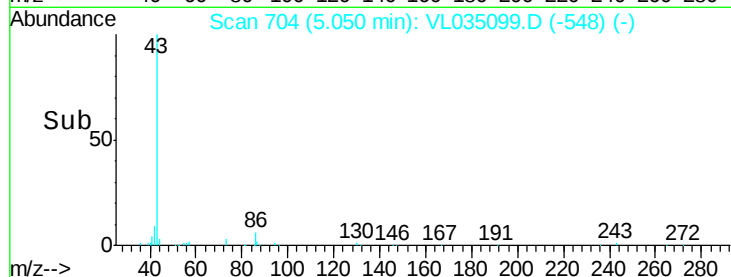
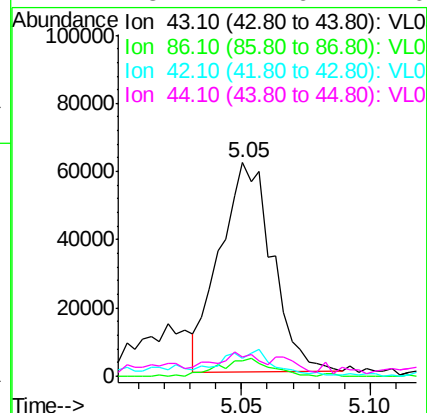
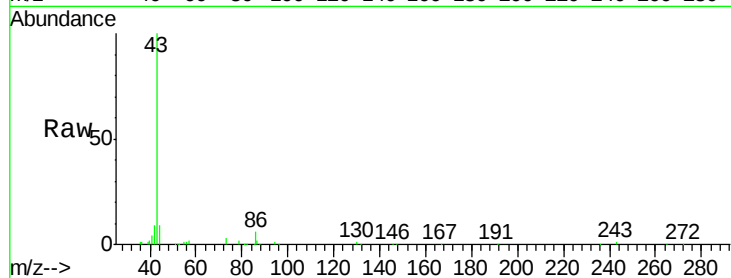
ClientSampleId :

VSTDICCC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		86534		
86	7.0		6.2	9.2	
42	8.0		8.1	12.1	
44	5.2		4.6	7.0	

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#24

1,1-Dichloroethane

Concen: 0.519 ppbv m

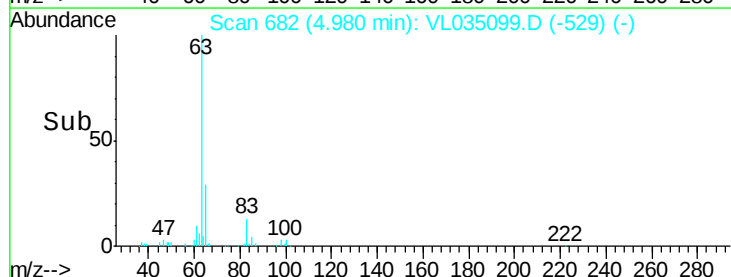
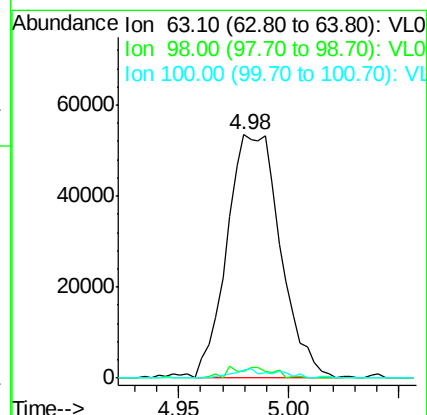
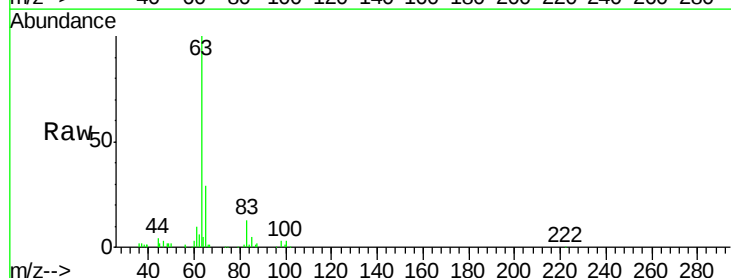
RT: 4.98 min Scan# 682

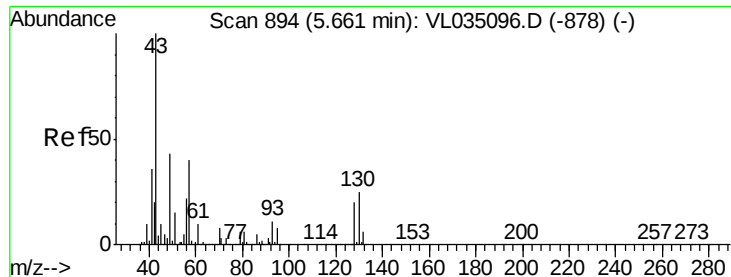
Delta R.T. -0.01 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		90484		
98	3.0		2.3	6.9	
100	3.1		1.4	4.0	





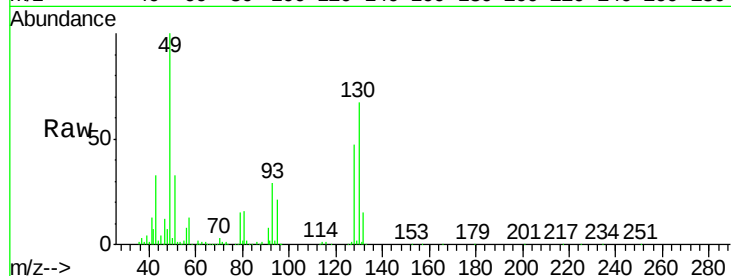
#25
Ethyl Acetate
Concen: 0.526 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

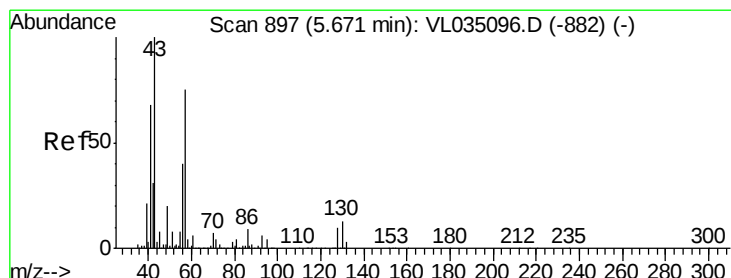
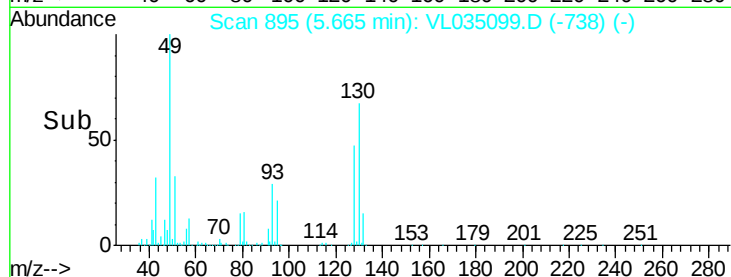
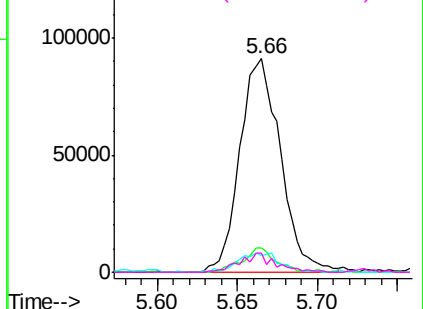
Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	9.8	8.4	12.6		
61	9.7	8.0	12.0		
70	7.7	6.3	9.5		

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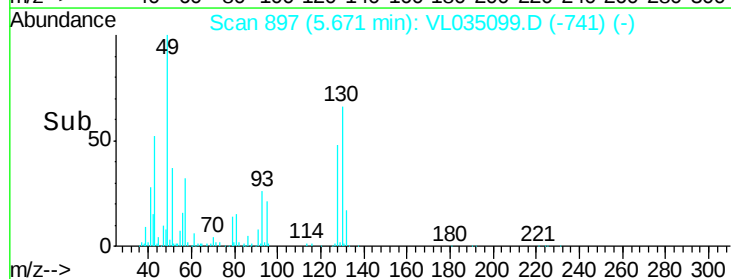
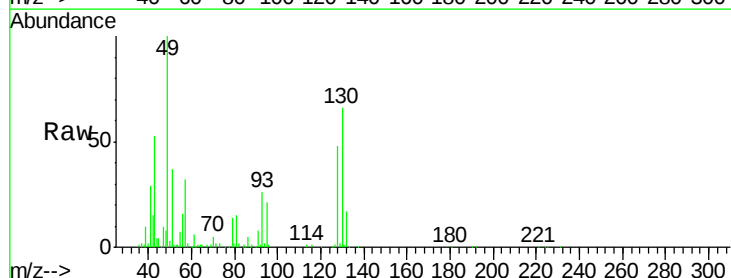
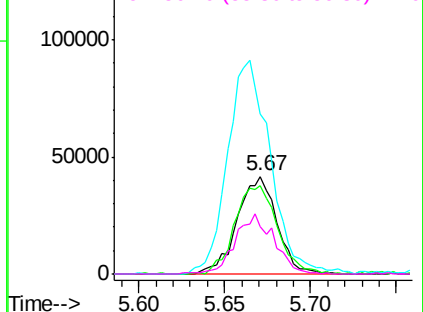
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

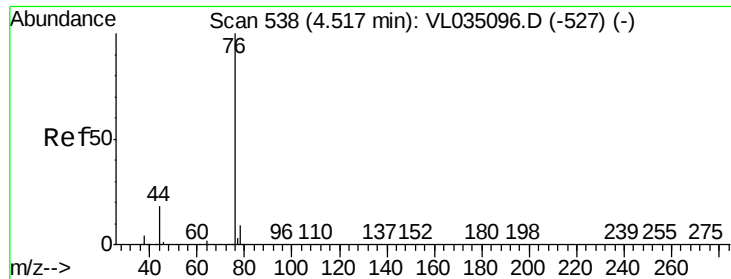


#26
Hexane
Concen: 0.513 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	98.4	72.9	109.3		
43	238.8	181.3	271.9		
56	60.3	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: 0.413 ppbv

RT: 4.52 min Scan# 540

Delta R.T. 0.01 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

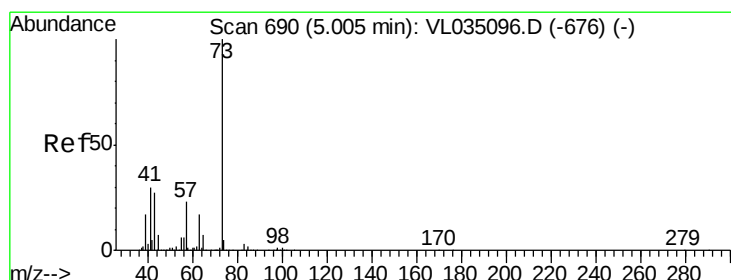
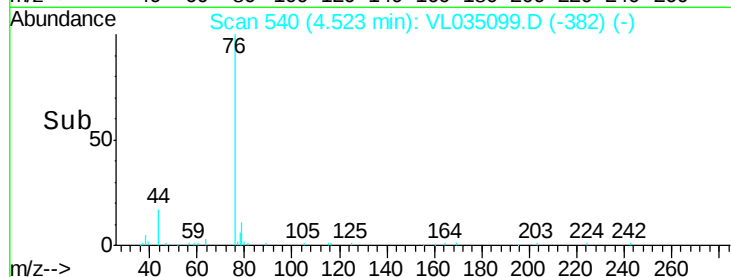
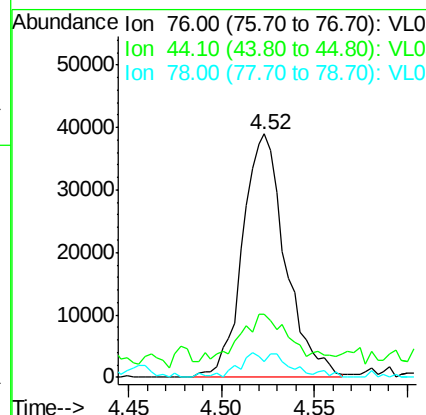
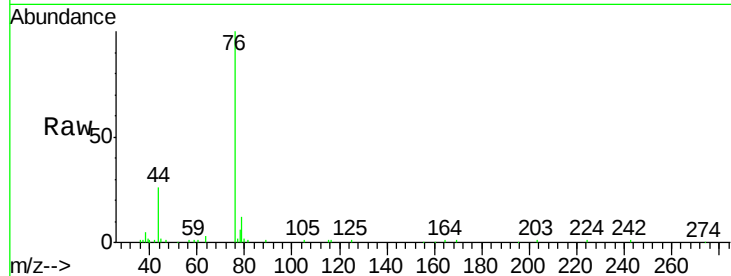
ClientSampleId :

VSTDICCC0.5

Tot Ion:	76	Resp:	62570
Ion	Ratio	Lower	Upper
76	100		
44	26.9	15.8	23.8#
78	12.3	7.6	11.4#

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 0.456 ppbv

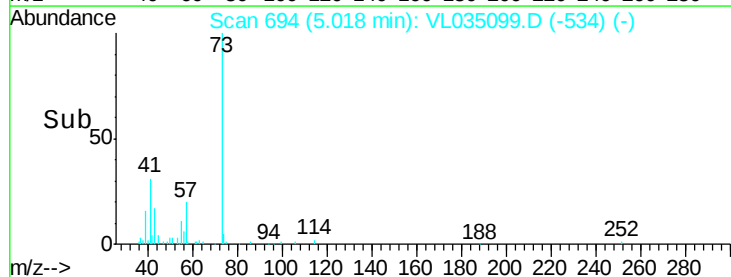
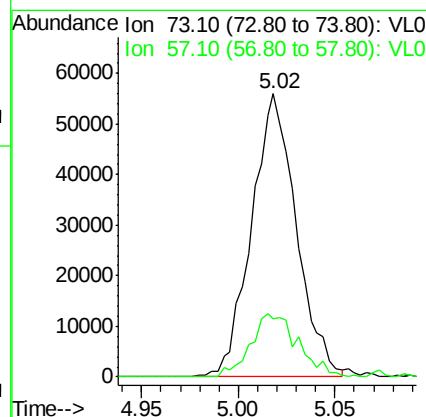
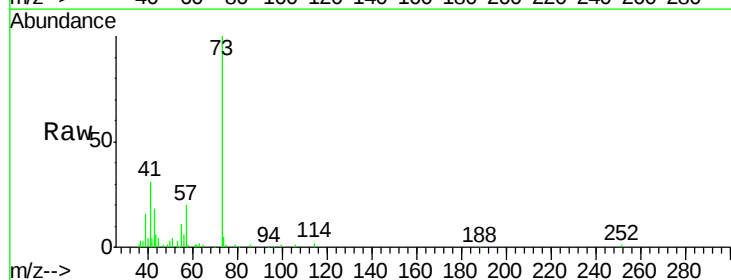
RT: 5.02 min Scan# 694

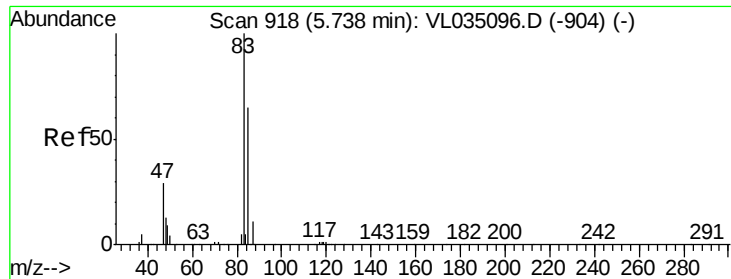
Delta R.T. 0.01 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Tgt Ion:	73	Resp:	89927
Ion	Ratio	Lower	Upper
73	100		
57	24.4	18.5	27.7





#29

Chloroform

Concen: 0.549 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.01 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 83 Resp: 117114

Ion Ratio Lower Upper

83 100

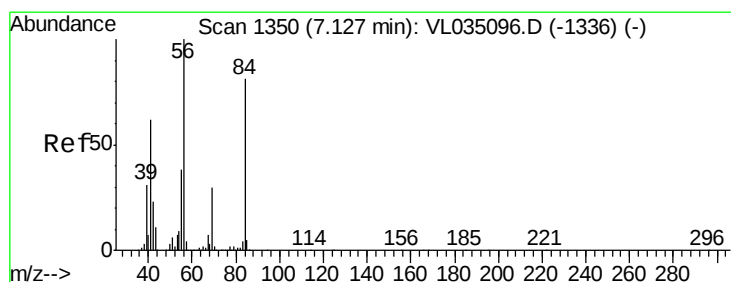
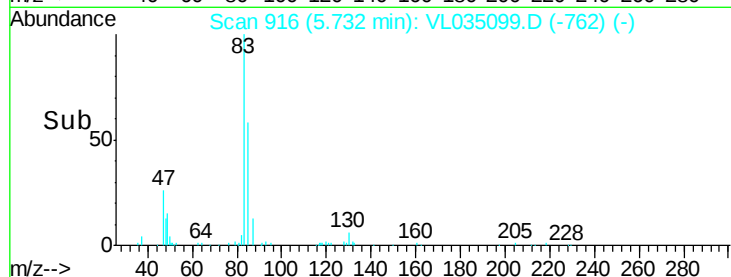
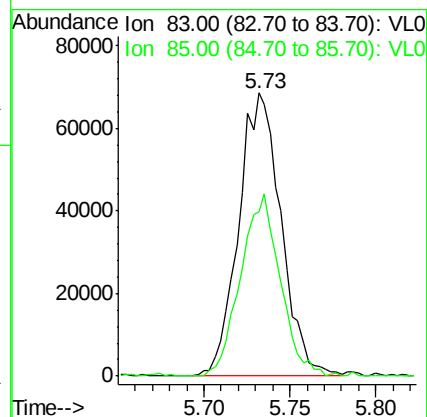
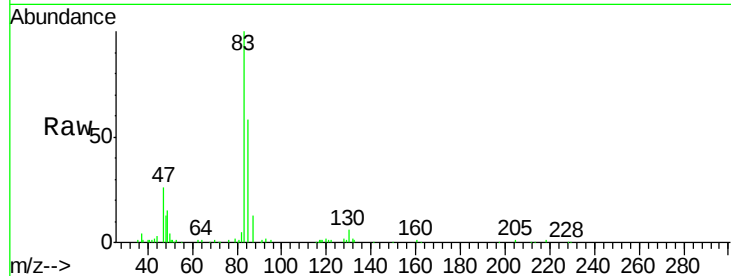
85 58.3 52.1 78.1

Manual Integrations

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#30

Cyclohexane

Concen: 0.399 ppbv m

RT: 7.13 min Scan# 1352

Delta R.T. 0.01 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

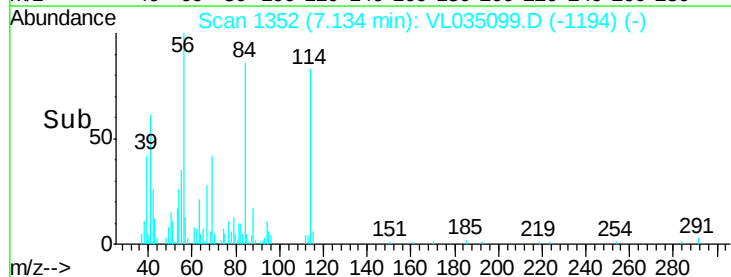
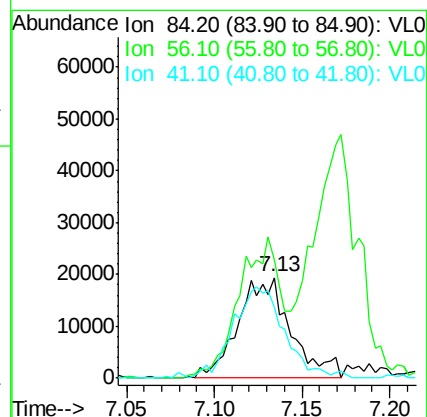
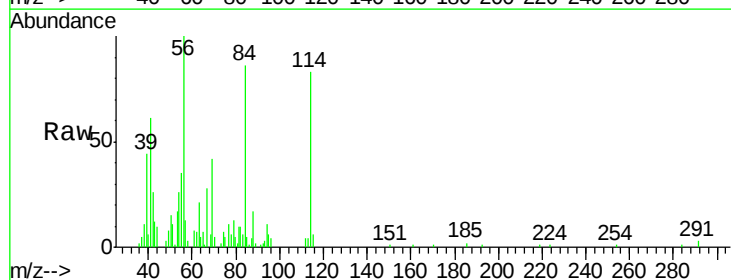
Tgt Ion: 84 Resp: 40240

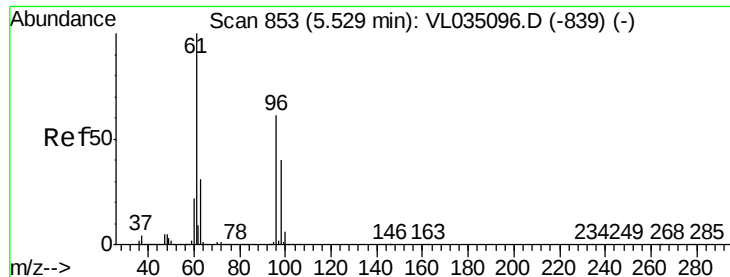
Ion Ratio Lower Upper

84 100

56 0.0 108.0 162.0#

41 90.4 65.6 98.4





#31

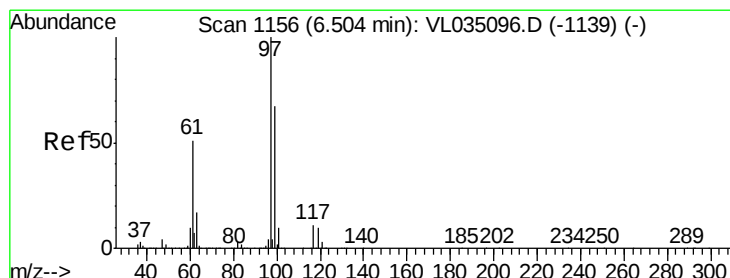
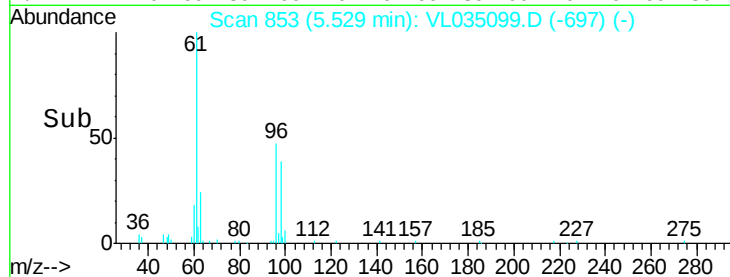
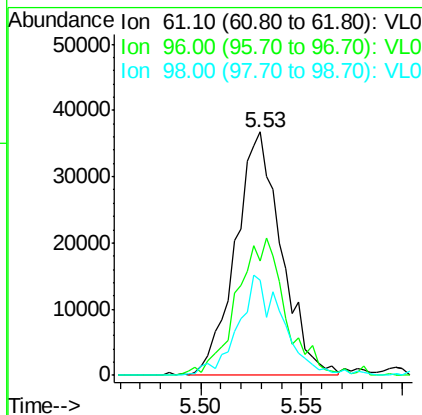
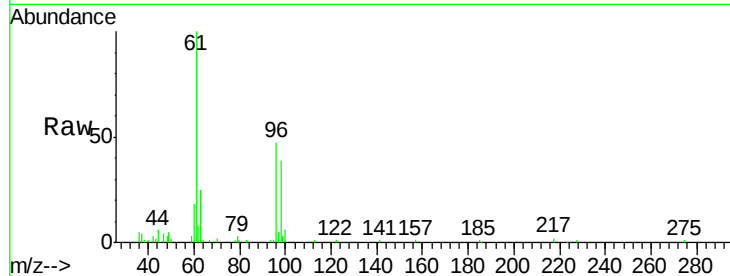
cis-1,2-Dichloroethene
Concen: 0.460 ppbv
RT: 5.53 min Scan# 853
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	Ratio	Resp Lower	Upper
61	100		
96	45.7	48.8	73.2#
98	38.5	31.9	47.9

Manual Integrations
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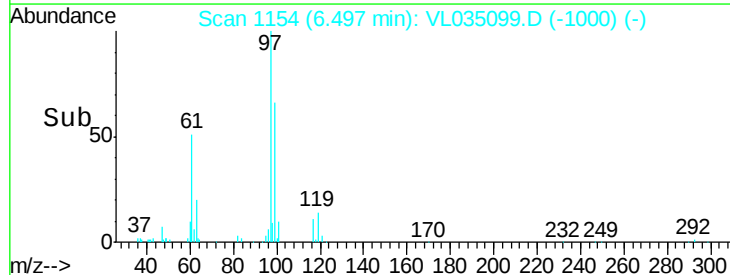
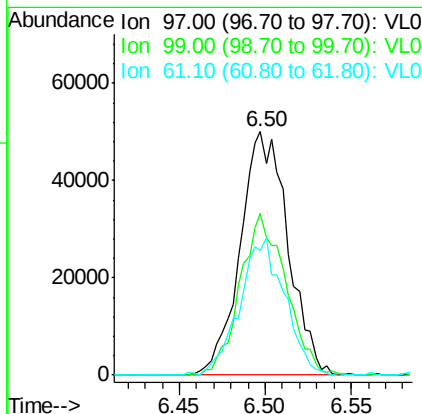
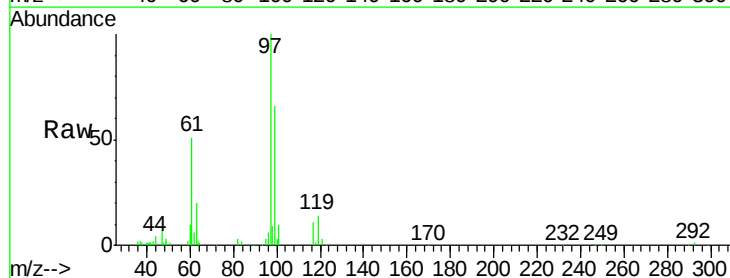
MMDadoda
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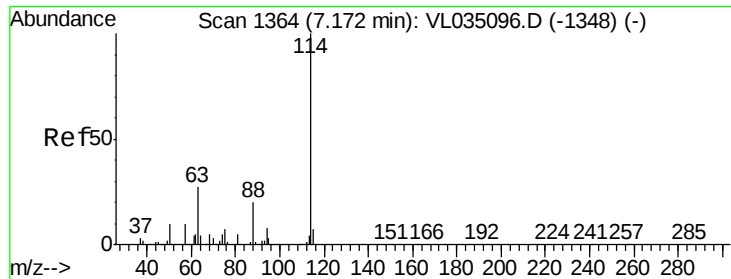


#32

1,1,1-Trichloroethane
Concen: 0.501 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion	Ratio	Resp Lower	Upper
97	100		
99	63.5	52.0	78.0
61	53.1	41.0	61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion:114 Resp: 3140389

Ion Ratio Lower Upper

114 100

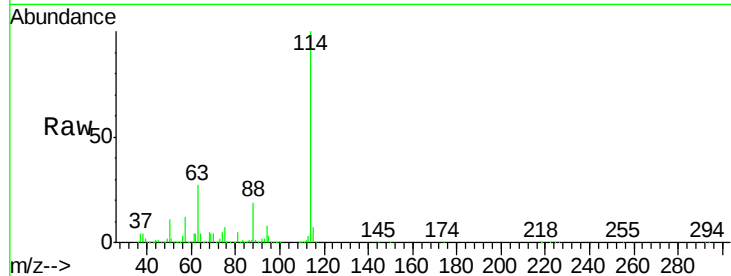
63 27.7 21.9 32.9

88 19.6 15.6 23.4

Manual Integrations
APPROVED

MMDadoda

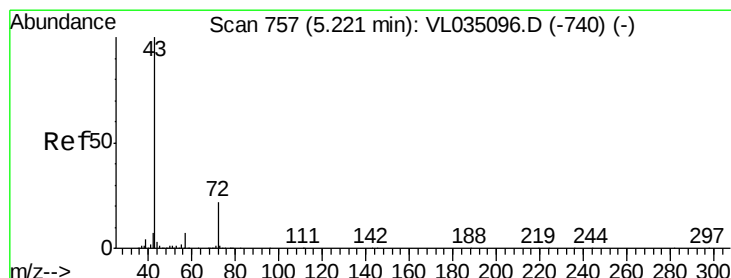
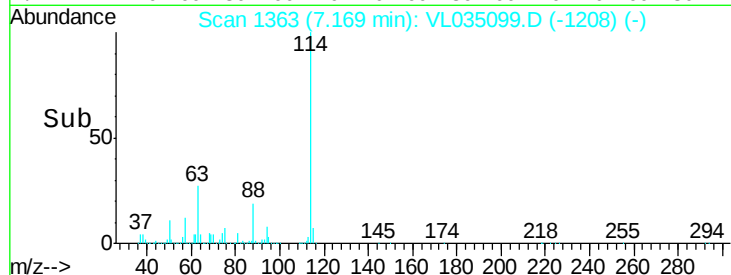
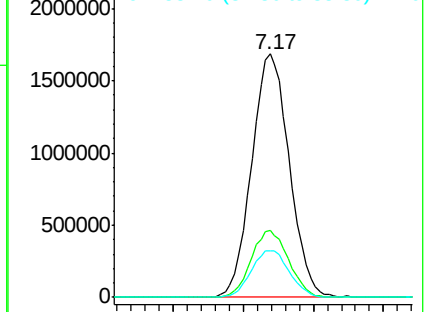
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.452 ppbv

RT: 5.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VL035099.D

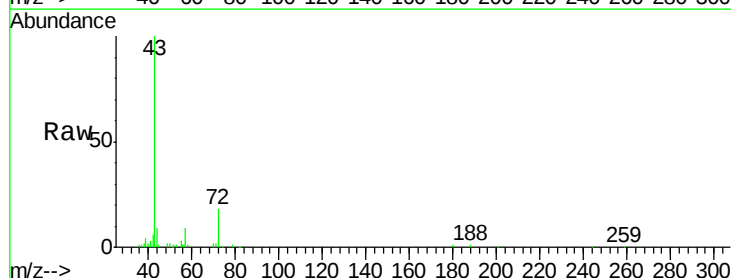
Acq: 19 Jun 2020 17:50

Tgt Ion: 43 Resp: 87600

Ion Ratio Lower Upper

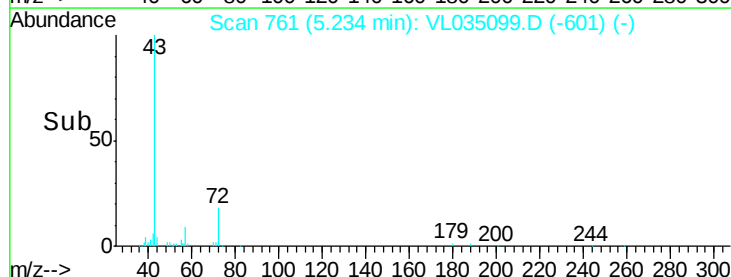
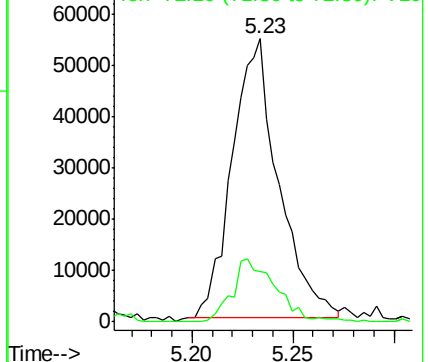
43 100

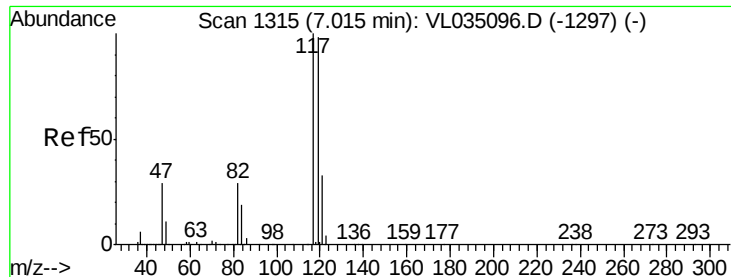
72 21.6 18.3 27.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





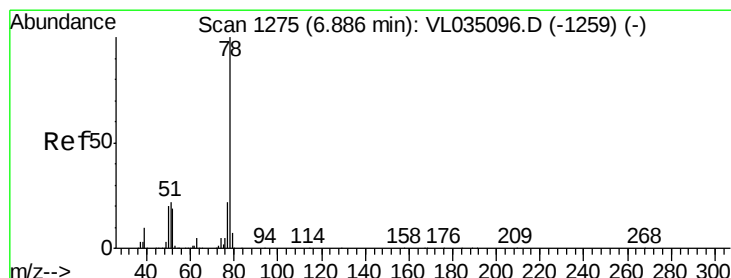
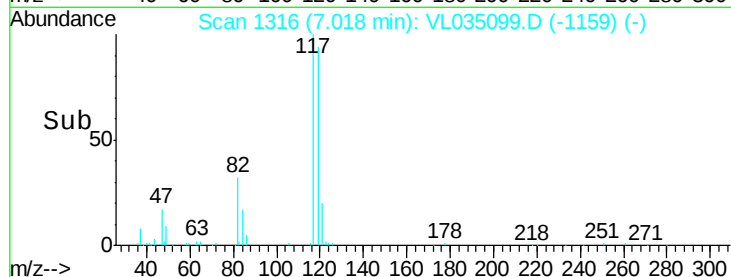
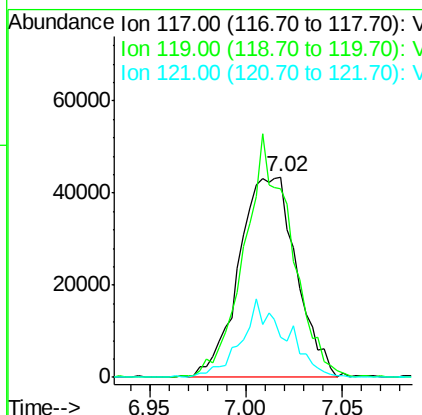
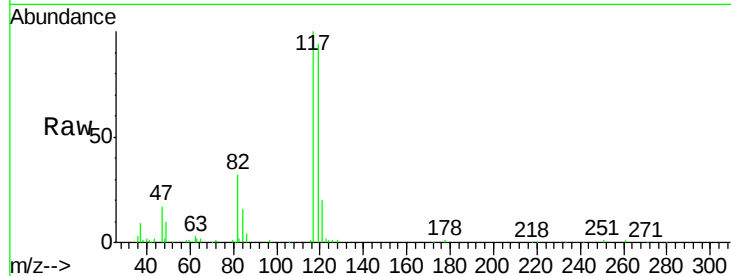
#35
Carbon Tetrachloride
Concen: 0.453 ppbv m
RT: 7.02 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.3	117.5
121	19.8	26.0	39.0#

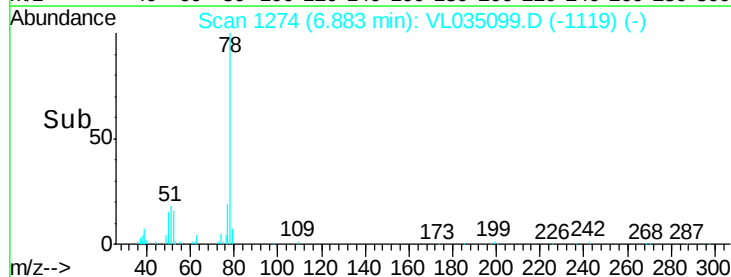
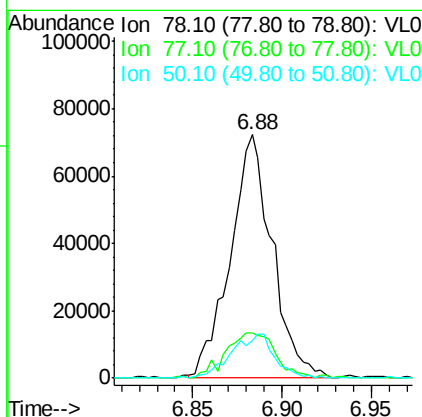
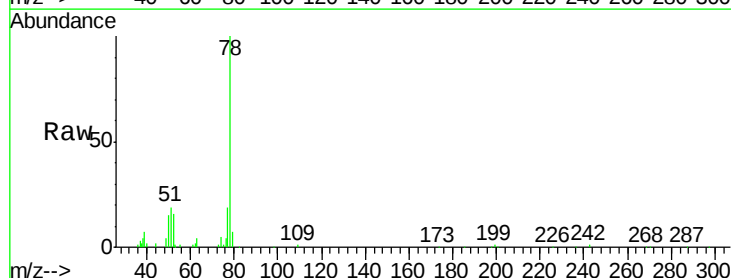
Manual Integrations
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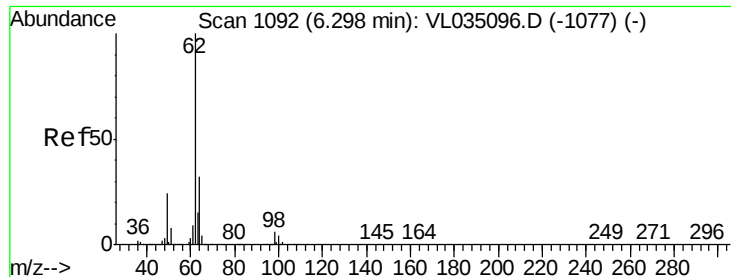
MMDadoda
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#36
Benzene
Concen: 0.453 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	18.7	17.8	26.6
50	15.2	16.2	24.2#





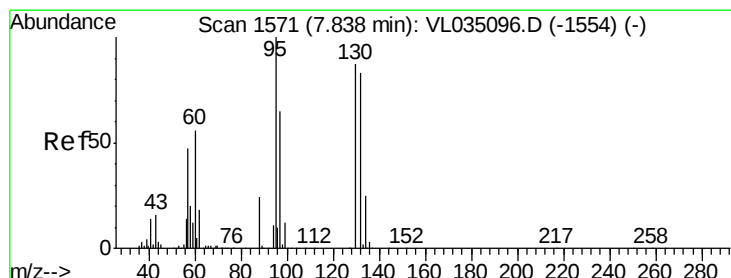
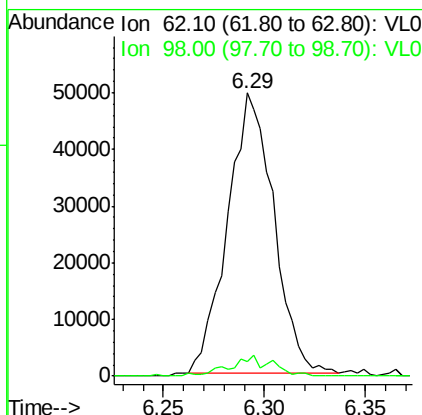
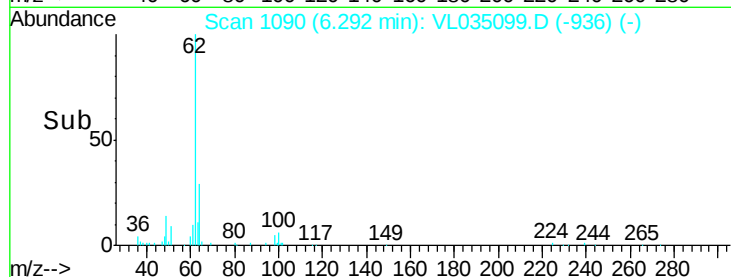
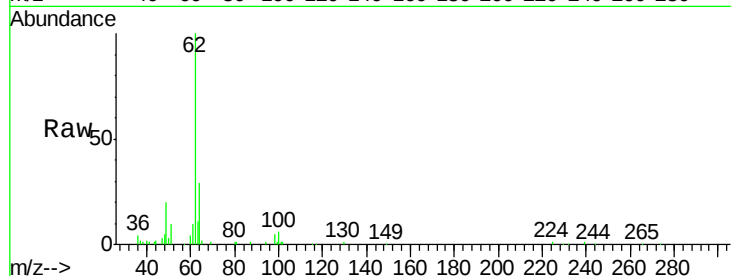
#37
 1,2-Dichloroethane
 Concen: 0.495 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VL035099.D
 Acq: 19 Jun 2020 17:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC0.5

Tot Ion	Ratio	Resp	Lower	Upper
62	100	79194		
98	6.6		4.8	7.2

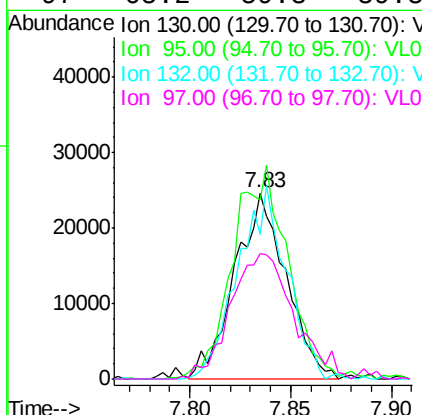
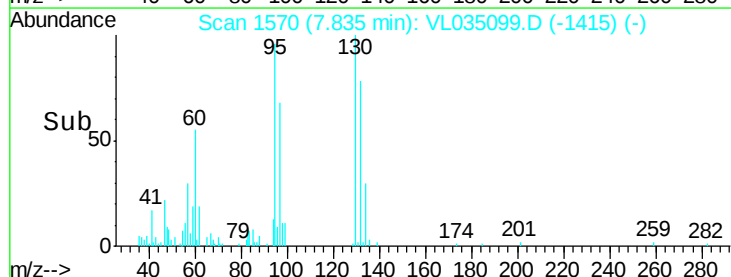
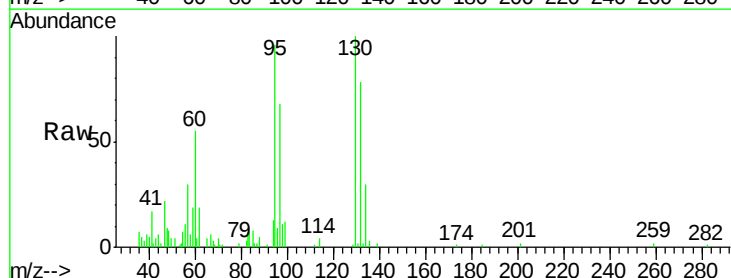
Manual Integrations
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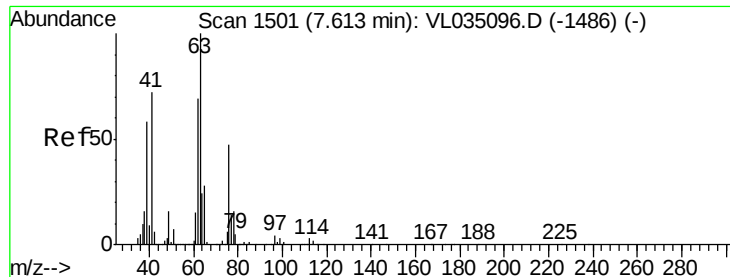
MMDadoda
 6/22/2020 2:09:02 PM



#38
 Trichloroethene
 Concen: 0.436 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VL035099.D
 Acq: 19 Jun 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	43883		
95	93.4		91.4	137.2
132	75.2		75.8	113.6#
97	65.2		59.8	89.8





#39

1,2-Dichloropropane

Concen: 0.463 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

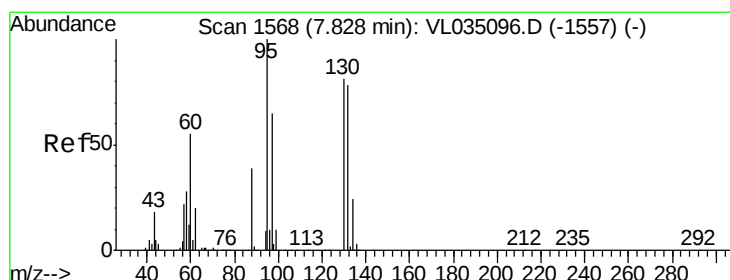
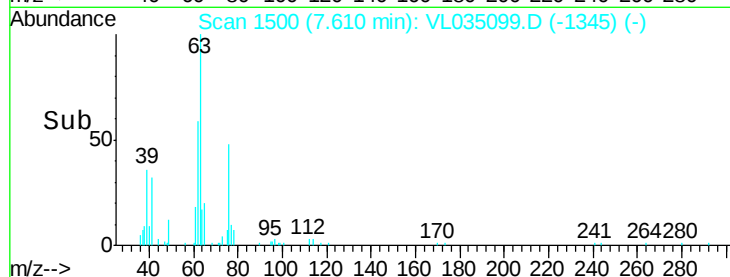
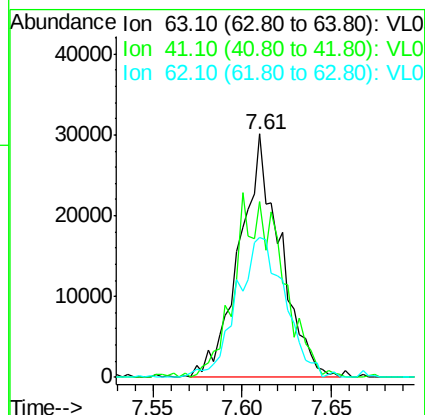
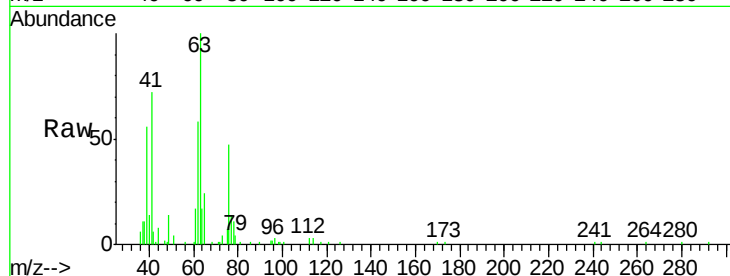
ClientSampleId :

VSTDICCC0.5

Tot Ion:	63	Resp:	47964
Ion Ratio	Lower	Upper	
63	100		
41	62.0	58.0	87.0
62	49.5	55.4	83.0#

Manual Integrations
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#40

1,4-Dioxane

Concen: 0.522 ppbv m

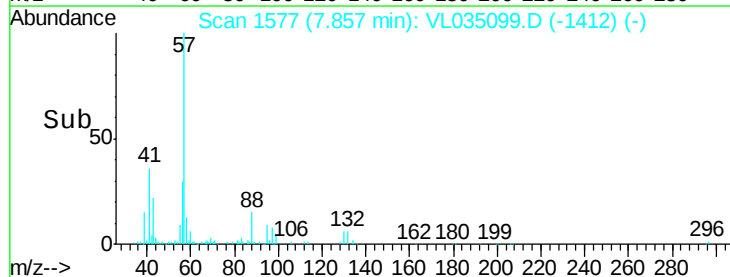
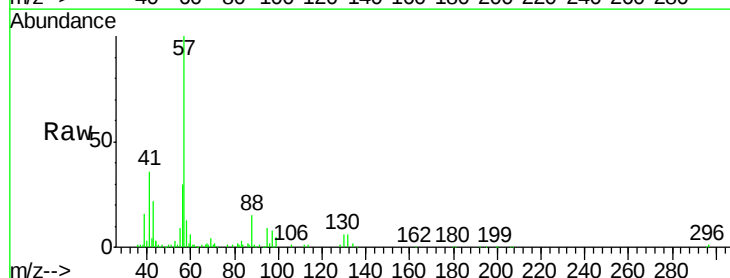
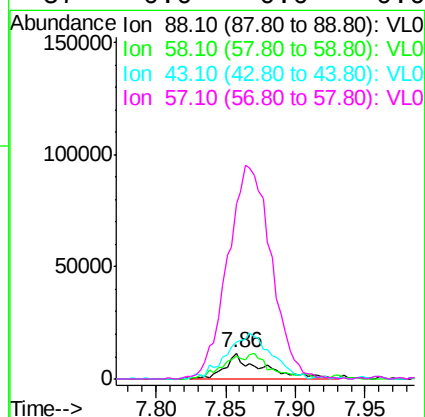
RT: 7.86 min Scan# 1577

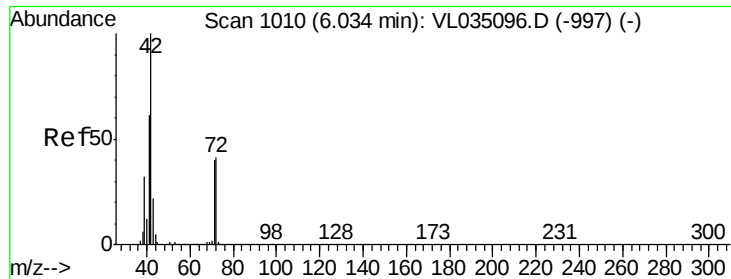
Delta R.T. 0.03 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Tgt Ion:	88	Resp:	21539
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





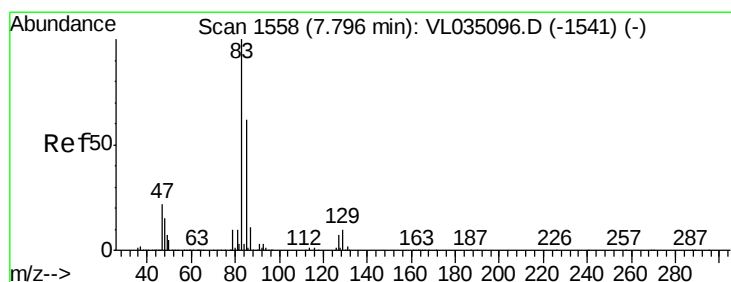
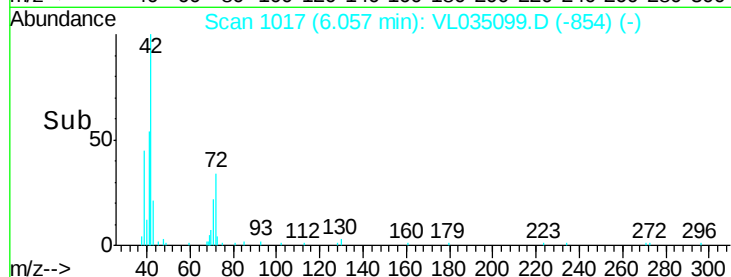
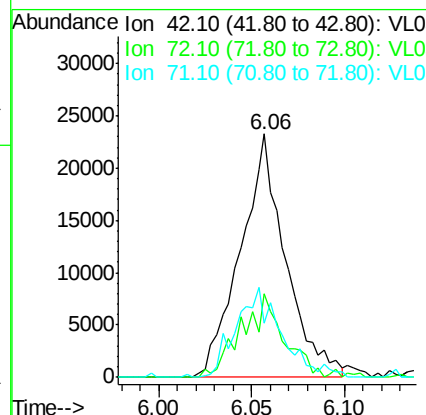
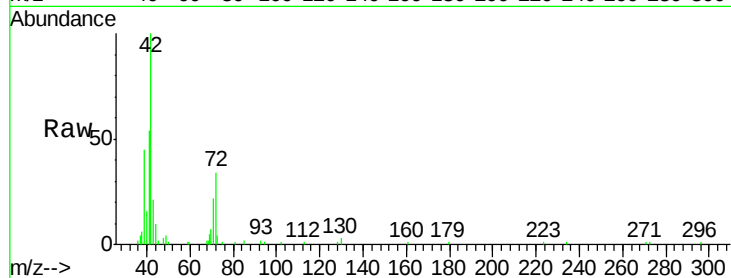
#41
Tetrahydrofuran
Concen: 0.386 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.02 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.4	33.4	50.2#
71	37.2	31.8	47.6

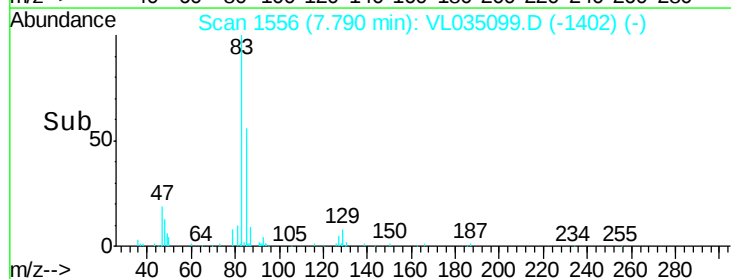
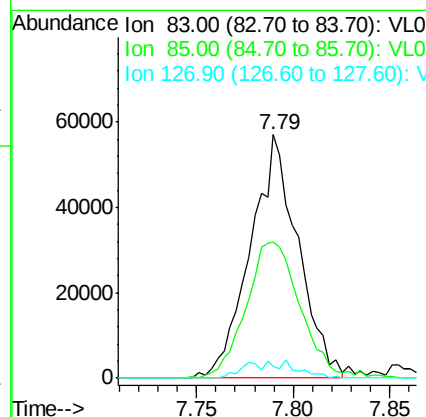
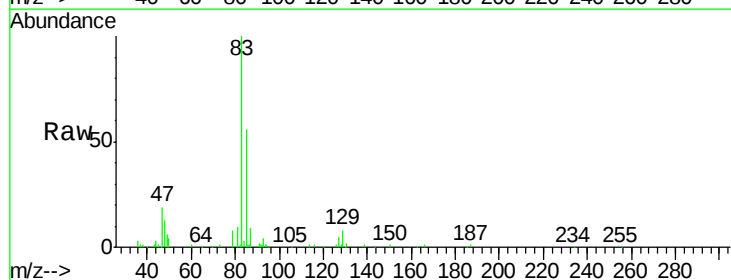
Manual Integrations
APPROVED

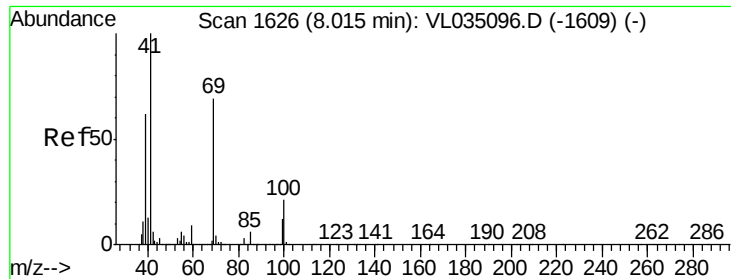
MMDadoda
6/22/2020 2:09:02 PM



#42
Bromodichloromethane
Concen: 0.453 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	55.3	49.4	74.0
127	4.7	5.9	8.9#





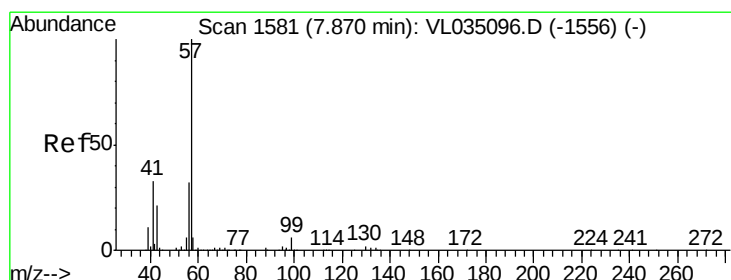
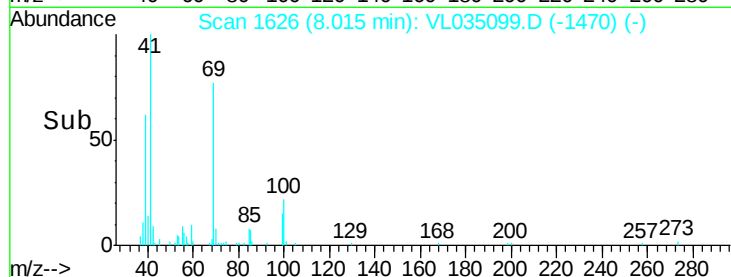
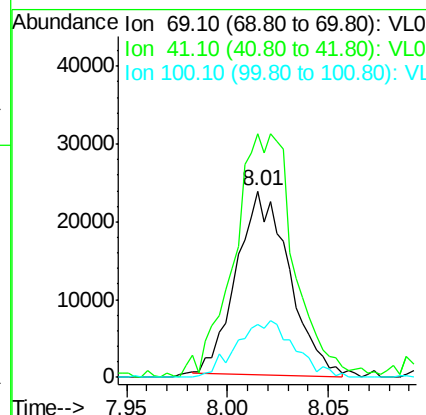
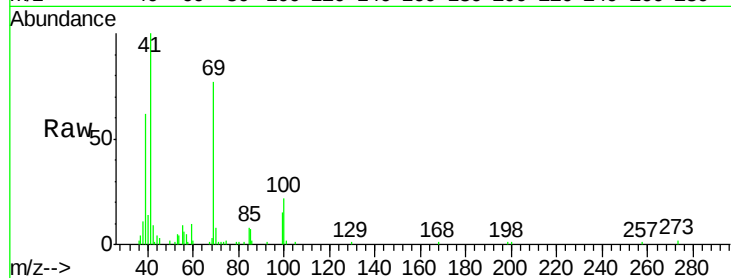
#43
Methvl Methacrylate
Concen: 0.396 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	152.5	116.4	174.6	
100	33.8	25.3	37.9	

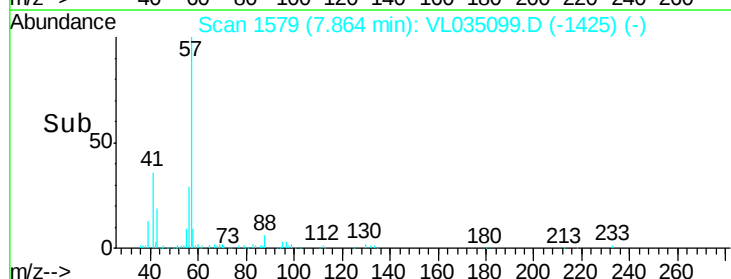
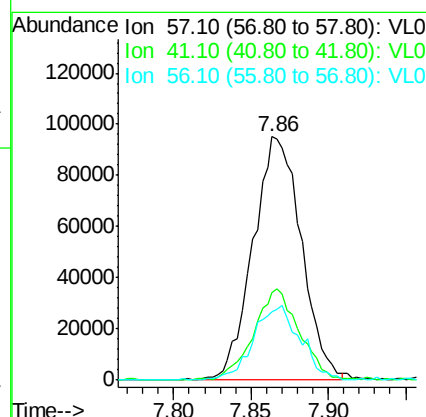
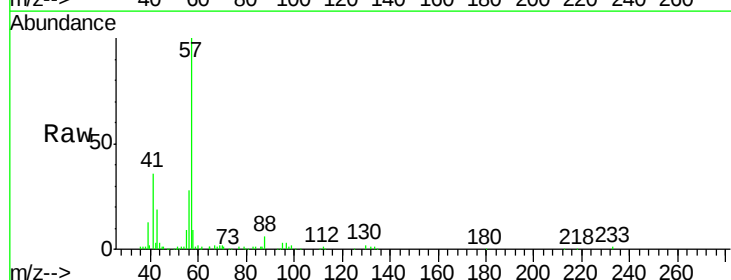
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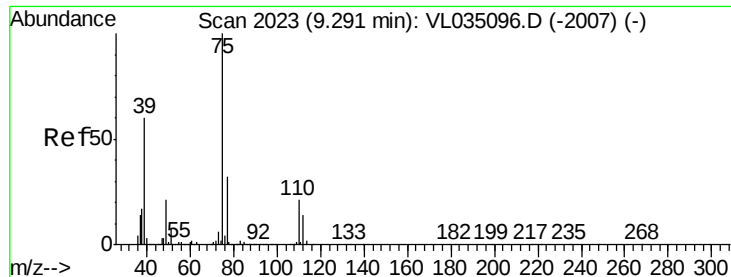
MMDadoda
6/22/2020 2:09:02 PM



#44
2,2,4-Trimethylpentane
Concen: 0.449 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	36.3	26.2	39.2	
56	29.9	25.4	38.2	





#45

t-1,3-Dichloropropene

Concen: 0.302 ppbv m

RT: 9.30 min Scan# 2025

Delta R.T. 0.01 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 75 Resp: 33041

Ion Ratio Lower Upper

75 100

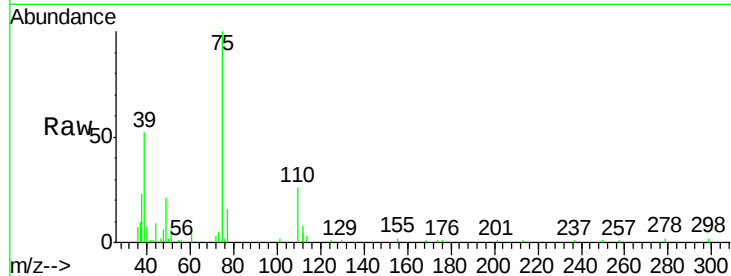
77 16.3 25.5 38.3#

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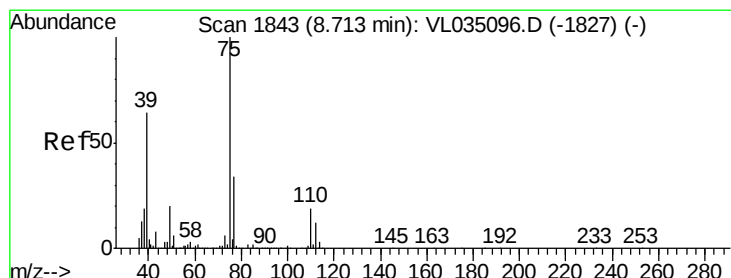
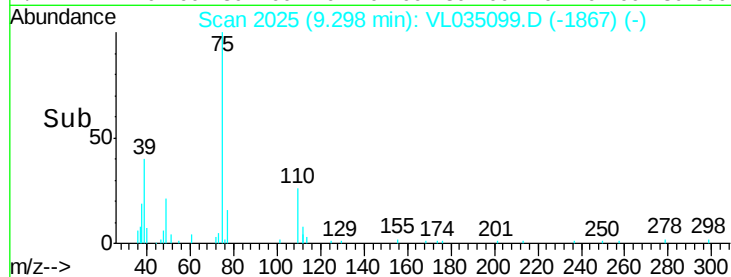
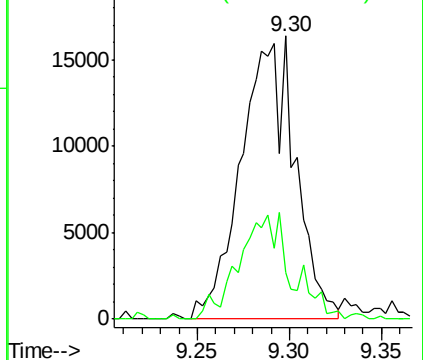
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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.350 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

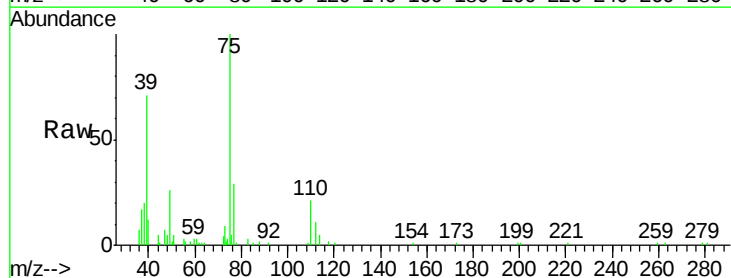
Tgt Ion: 75 Resp: 47136

Ion Ratio Lower Upper

75 100

39 67.9 51.1 76.7

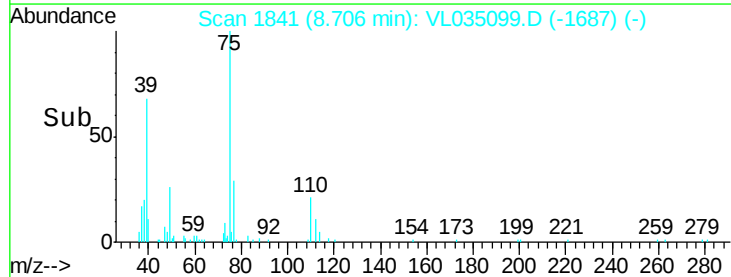
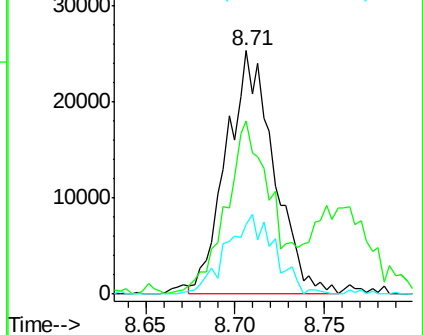
77 28.6 26.9 40.3

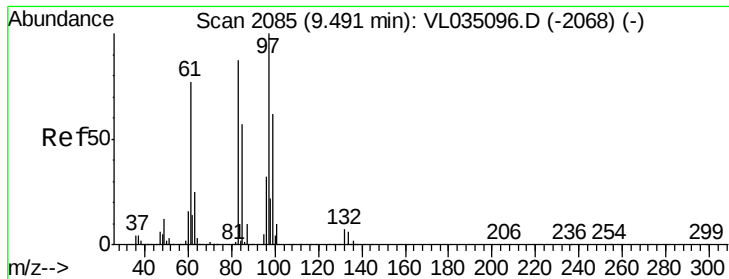


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





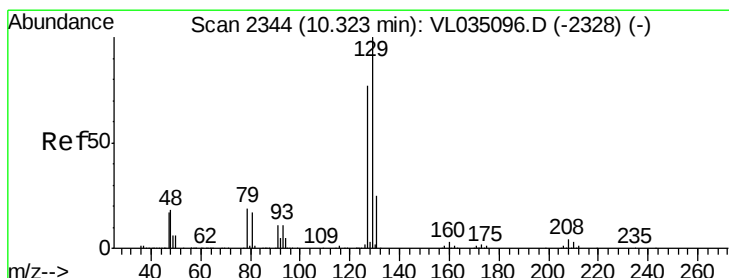
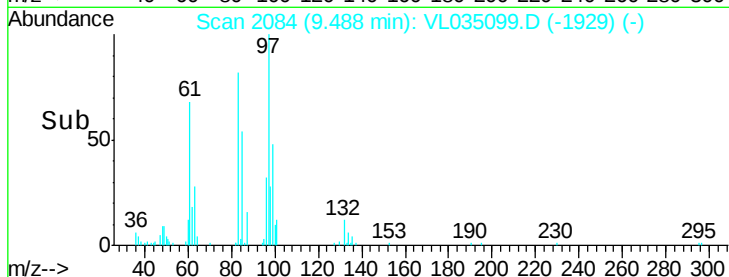
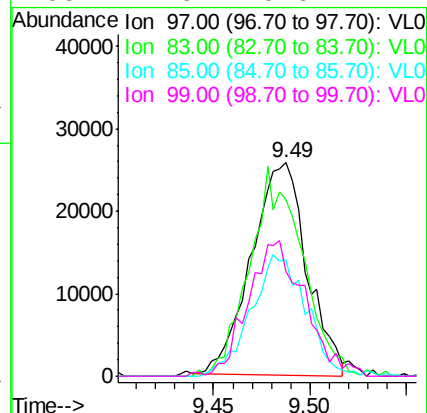
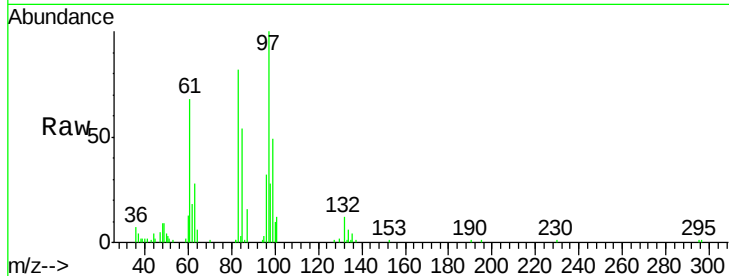
#47
 1,1,2-Trichloroethane
 Concen: 0.470 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.00 min
 Lab File: VL035099.D
 Acq: 19 Jun 2020 17:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		51558		
83	83.4	69.5	104.3		
85	55.1	46.0	69.0		
99	47.6	49.6	74.4		

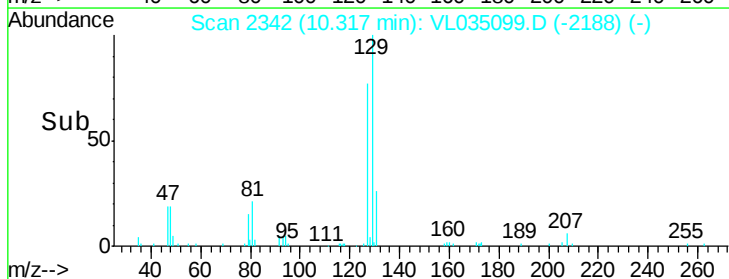
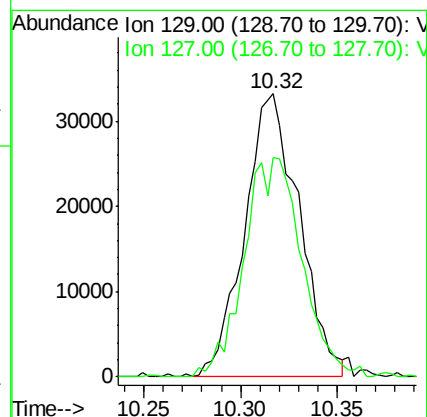
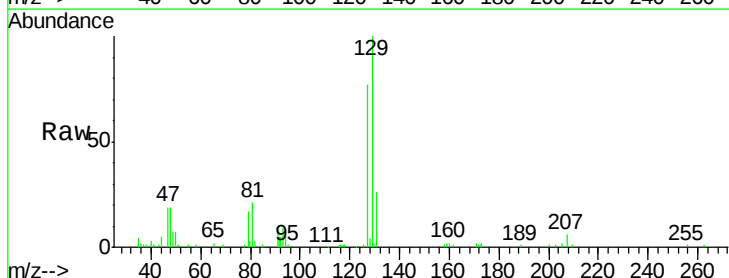
Manual Integrations
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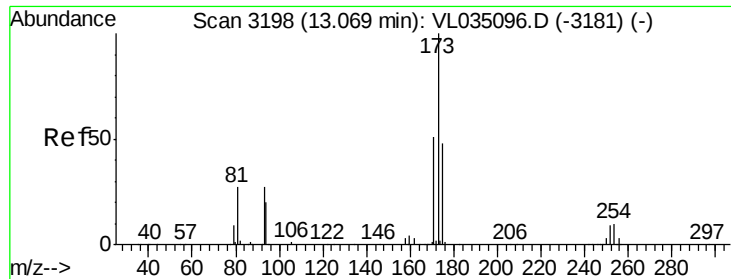
MMDadoda
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#48
 Dibromochloromethane
 Concen: 0.387 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.01 min
 Lab File: VL035099.D
 Acq: 19 Jun 2020 17:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		65135		
127	82.5	39.3	117.8		





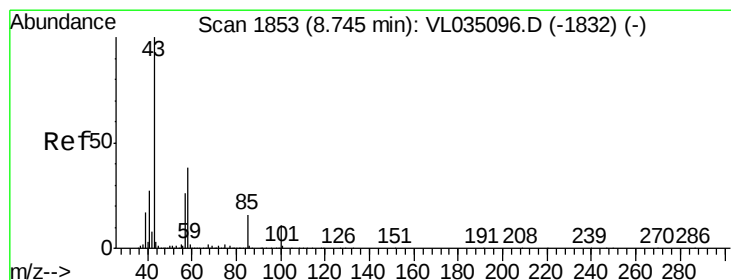
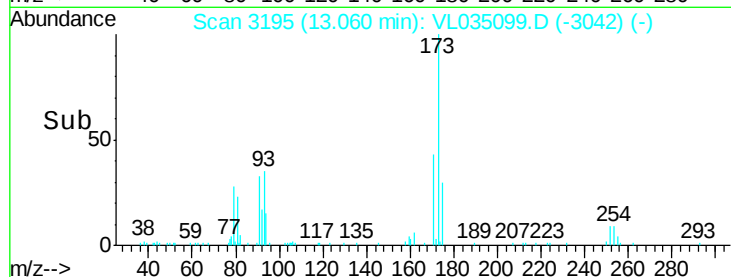
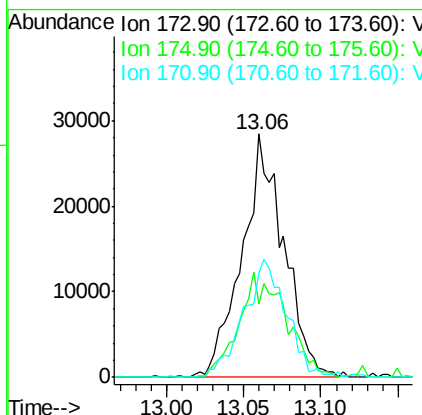
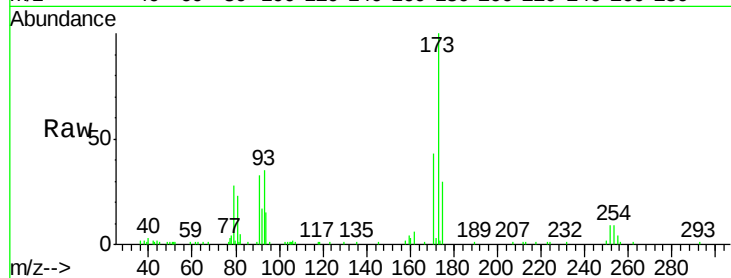
#49
Bromoform
Concen: 0.370 ppbv m
RT: 13.06 min Scan# 3195
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.1	58.7
171	50.0	41.7	62.5

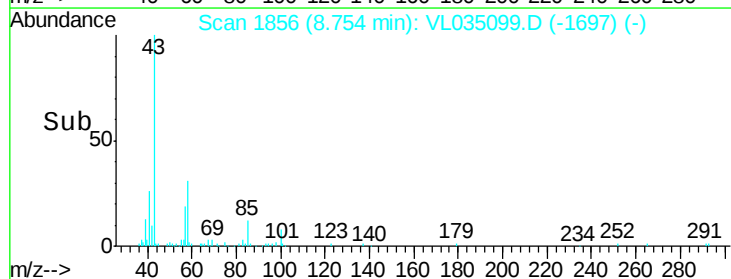
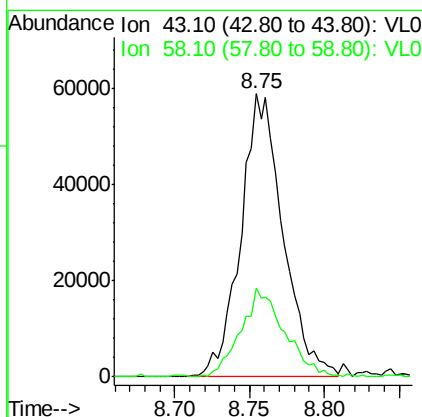
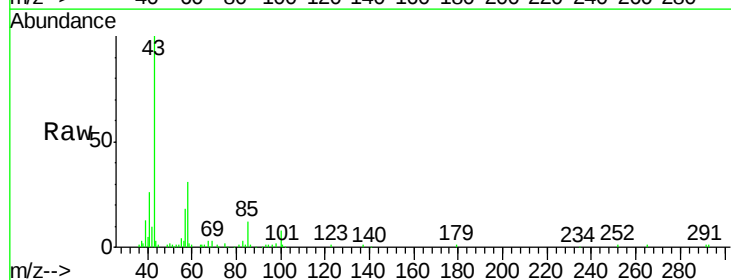
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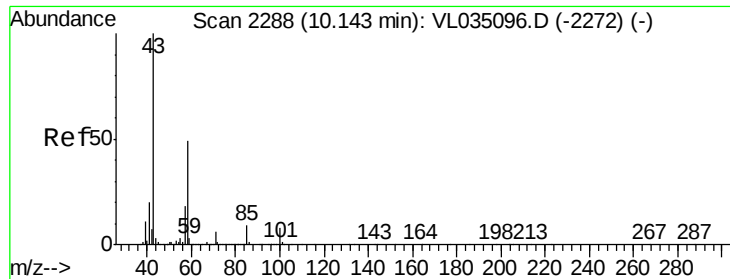
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 0.418 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.5	29.4	44.0





#51

2-Hexanone

Concen: 0.386 ppbv m

RT: 10.16 min Scan# 2293

Delta R.T. 0.02 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

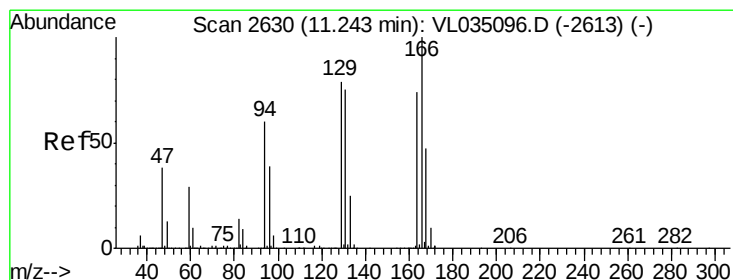
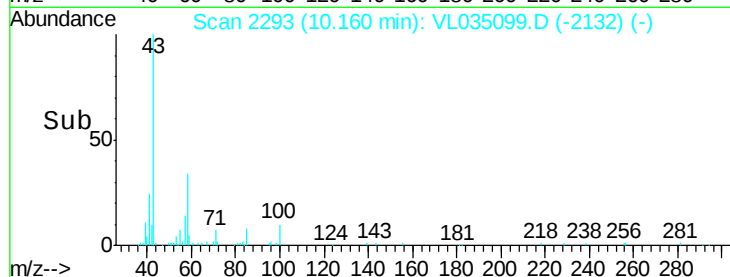
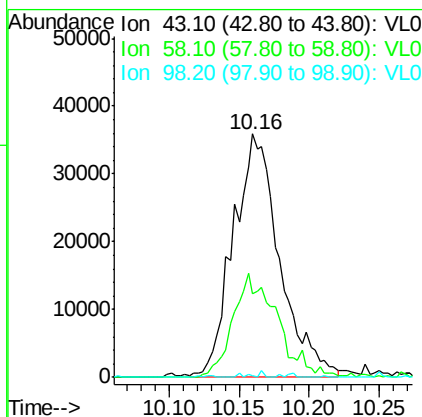
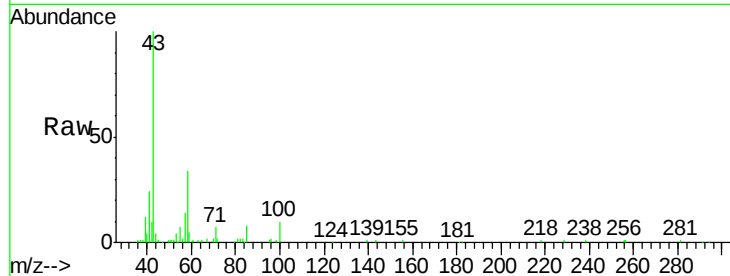
ClientSampleId :

VSTDICCC0.5

Tot Ion:	43	Resp:	83200
Ion	Ratio	Lower	Upper
43	100		
58	40.9	39.2	58.8
98	0.7	0.3	0.5#

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#52

Tetrachloroethene

Concen: 0.414 ppbv

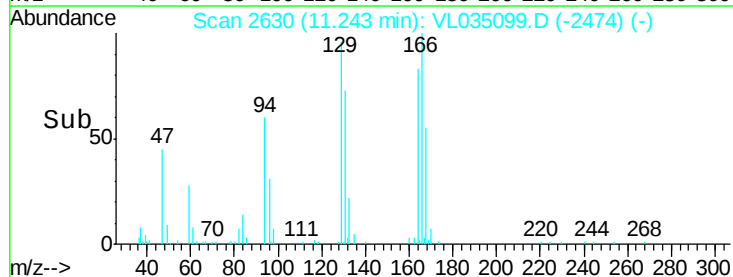
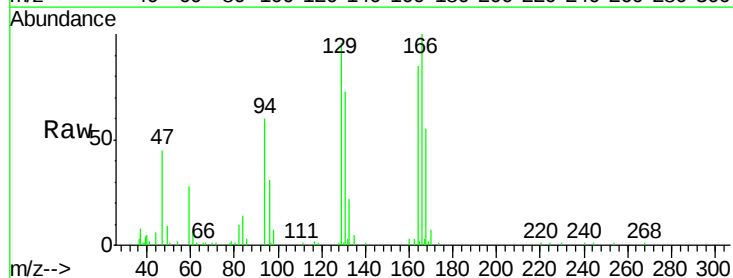
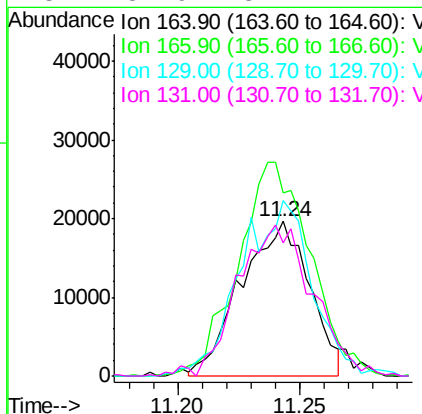
RT: 11.24 min Scan# 2630

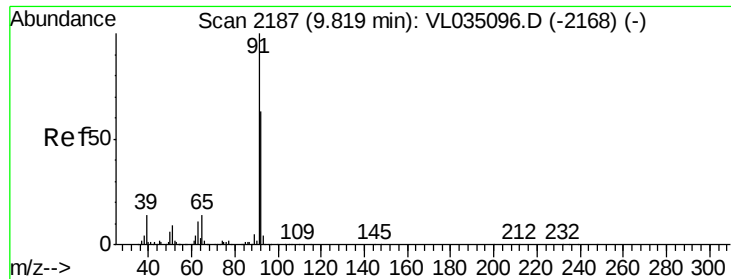
Delta R.T. 0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Tgt Ion:	164	Resp:	38170
Ion	Ratio	Lower	Upper
164	100		
166	114.2	107.5	161.3
129	111.7	84.9	127.3
131	82.9	81.1	121.7





#53

Toluene

Concen: 0.378 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 91 Resp: 103683

Ion Ratio Lower Upper

91 100

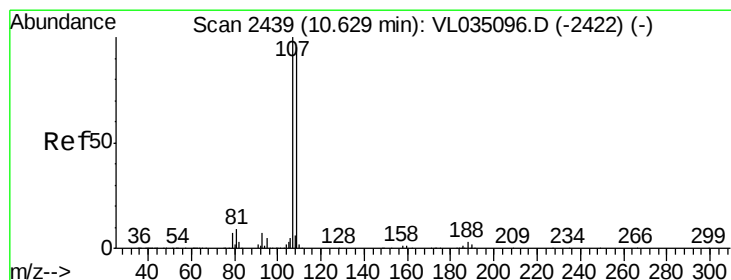
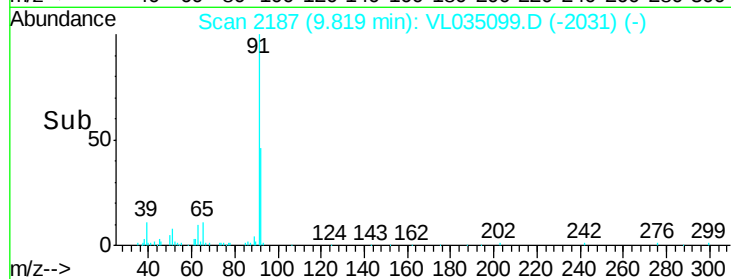
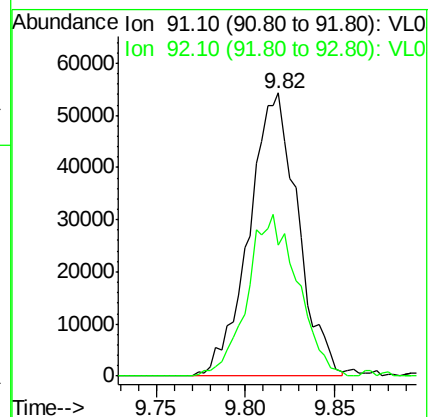
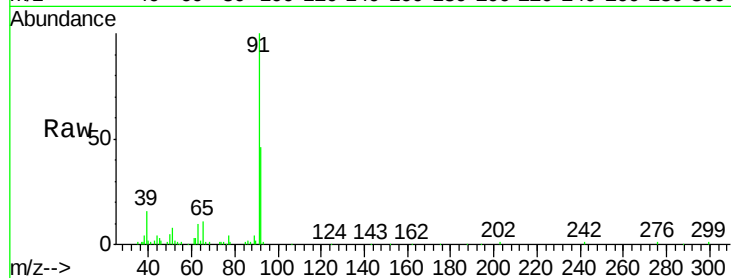
92 59.2 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 0.454 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VL035099.D

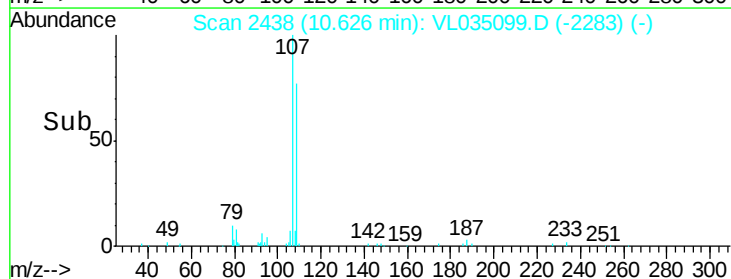
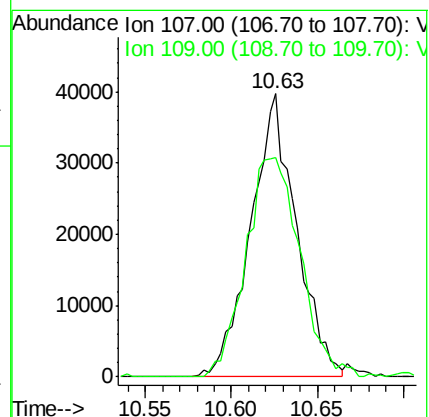
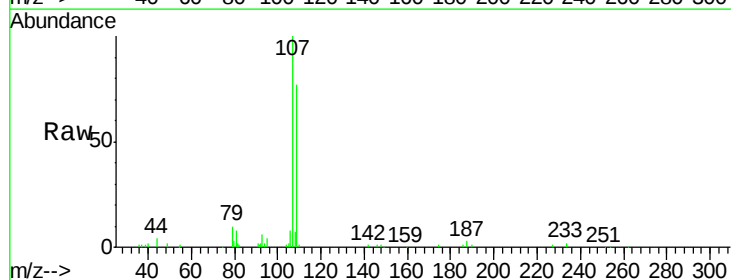
Acq: 19 Jun 2020 17:50

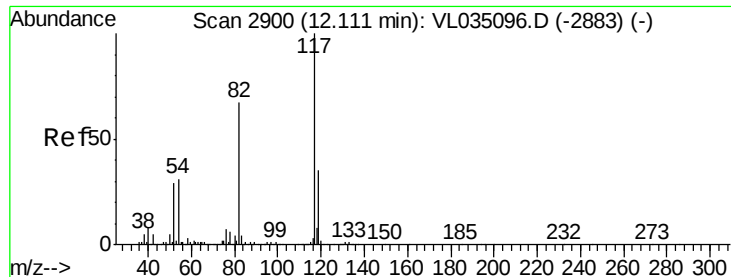
Tgt Ion: 107 Resp: 73005

Ion Ratio Lower Upper

107 100

109 77.4 75.9 113.9





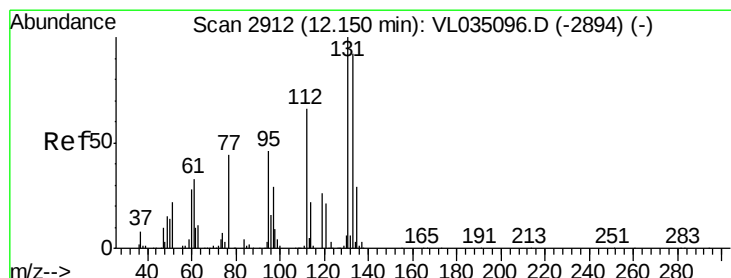
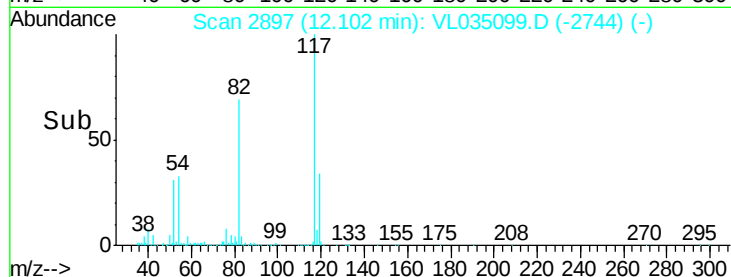
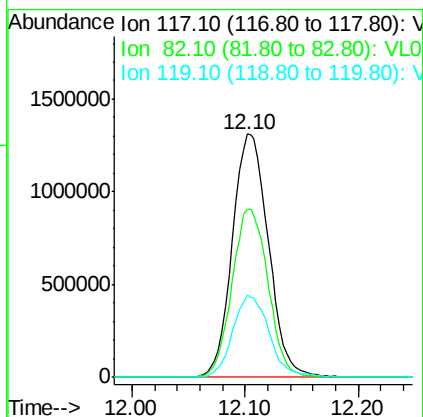
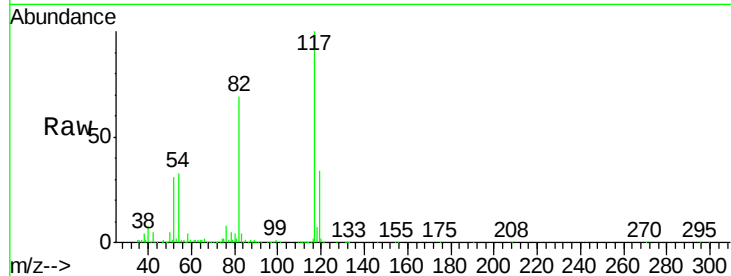
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.5	50.4	75.6
119	34.3	25.4	38.0

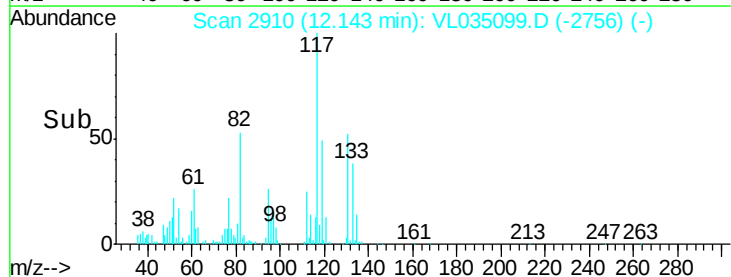
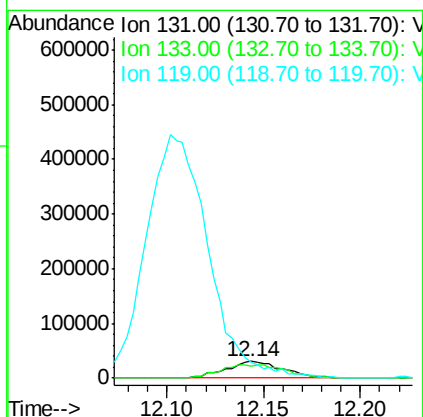
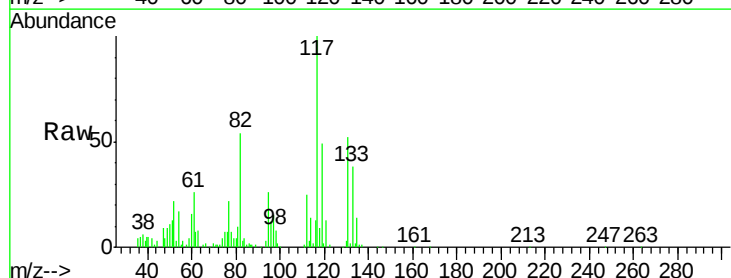
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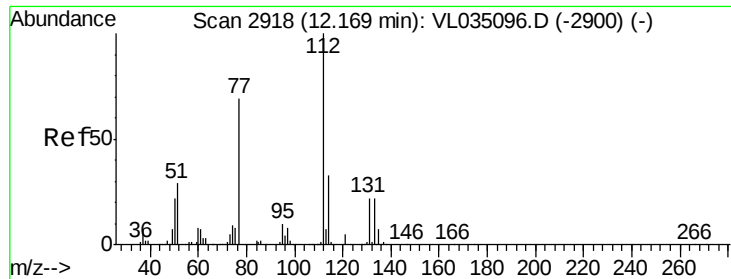
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.459 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	76.2	114.4
119	0.0	114.6	172.0#





#57

Chlorobenzene

Concen: 0.501 ppbv m

RT: 12.17 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

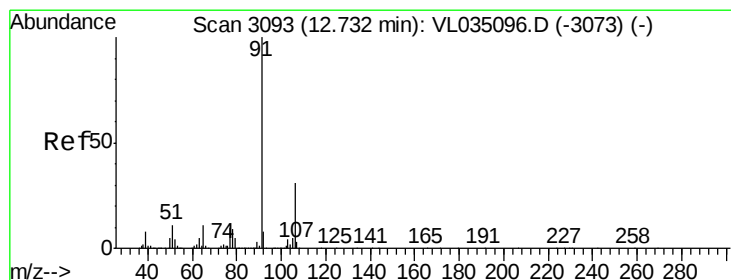
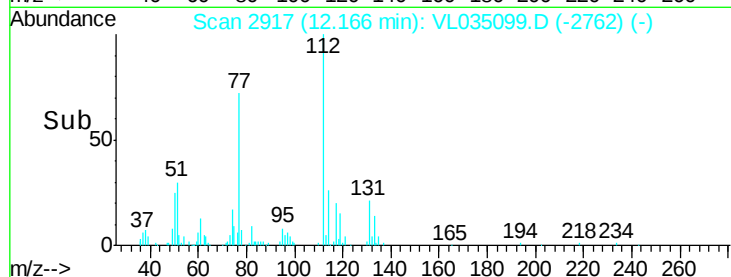
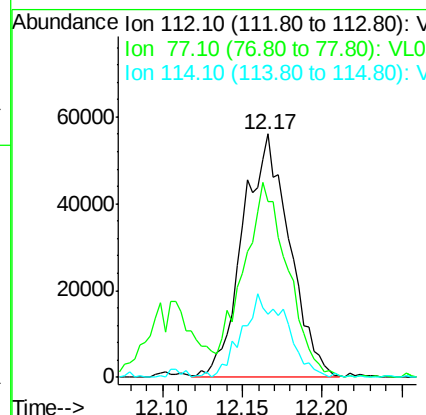
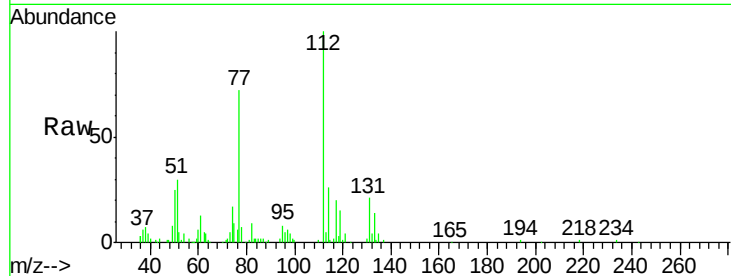
ClientSampleId :

VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	72.4	56.7	85.1
114	25.7	29.3	35.9

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#58

Ethyl Benzene

Concen: 0.378 ppbv

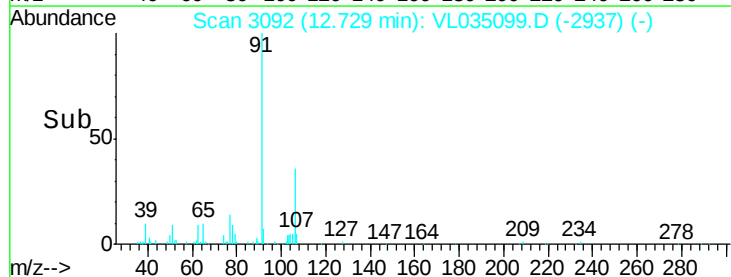
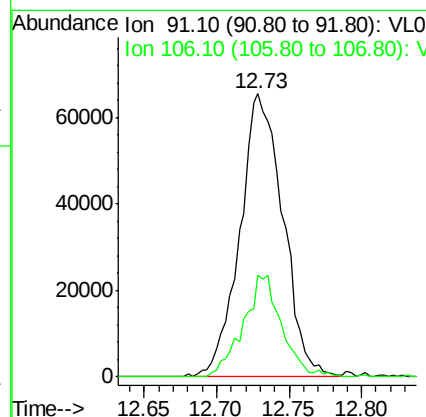
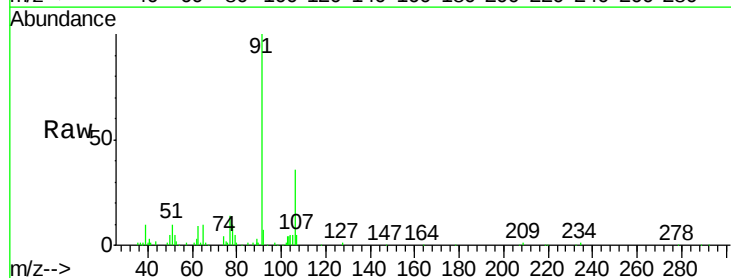
RT: 12.73 min Scan# 3092

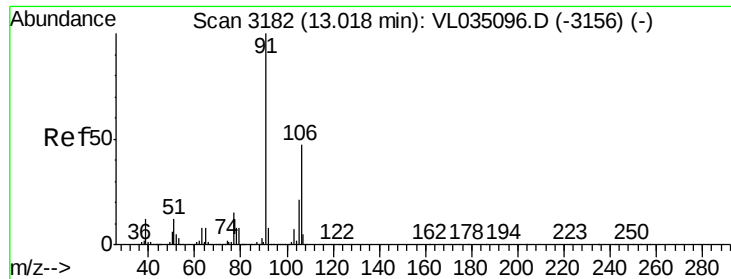
Delta R.T. -0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
91	100		
106	36.2	25.0	37.6





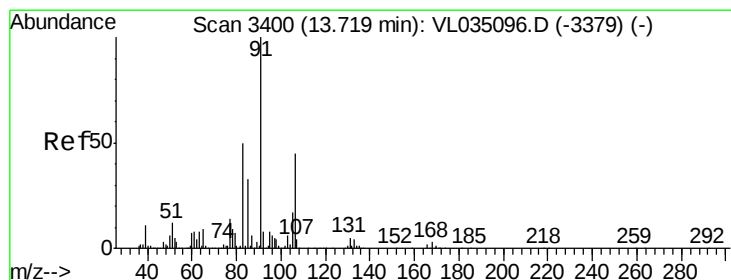
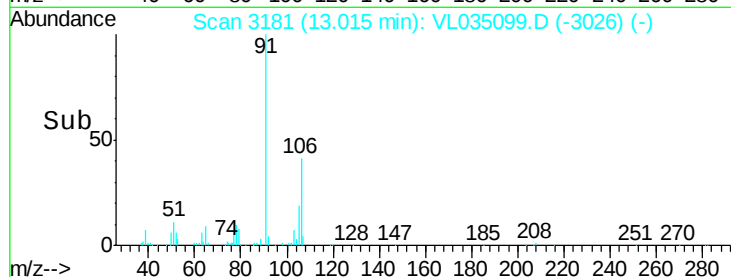
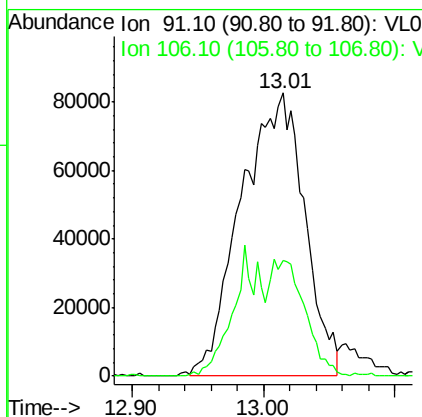
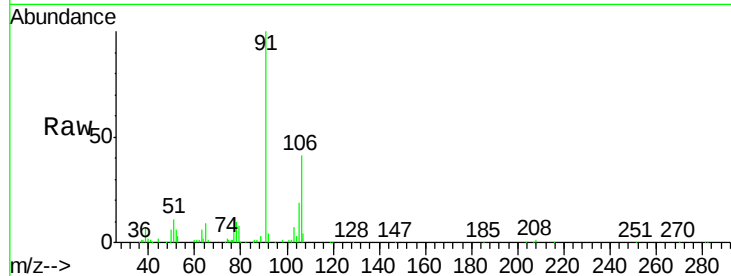
#59
m/p-Xylene
Concen: 0.889 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion: 91 Resp: 277855
Ion Ratio Lower Upper
91 100
106 0.0 36.5 54.7#

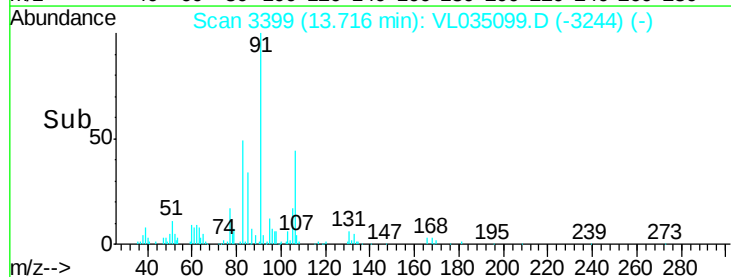
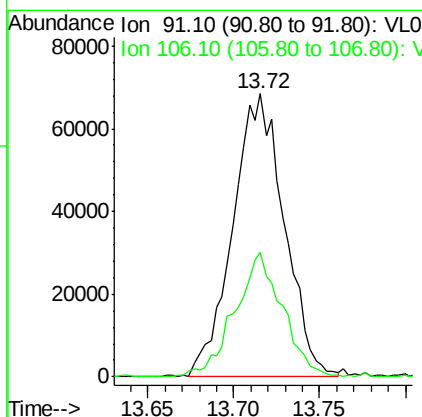
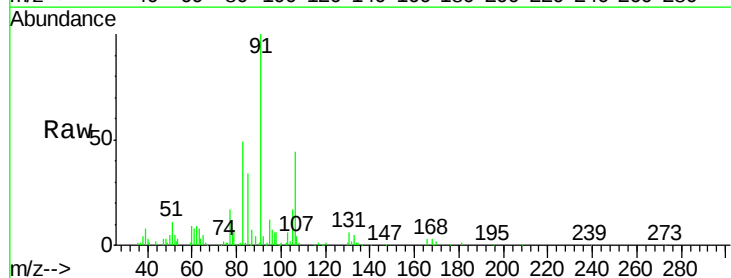
Manual Integrations
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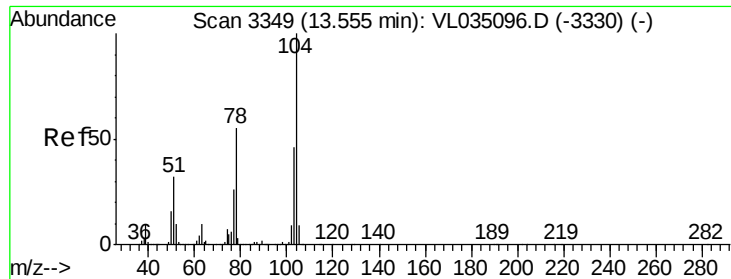
MMDadoda
6/22/2020 2:09:02 PM



#60
o-Xylene
Concen: 0.462 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 91 Resp: 142391
Ion Ratio Lower Upper
91 100
106 40.5 22.1 66.5





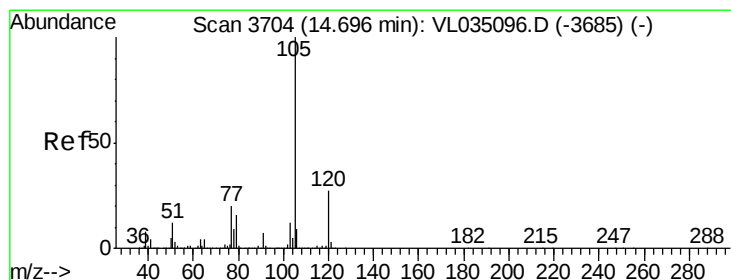
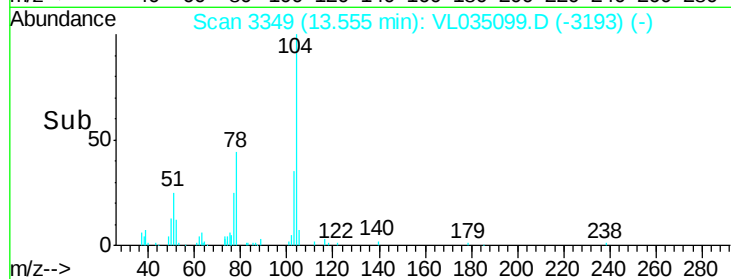
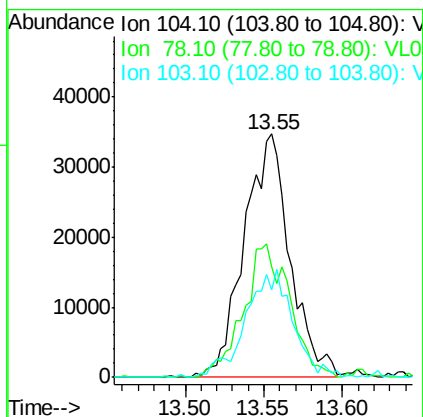
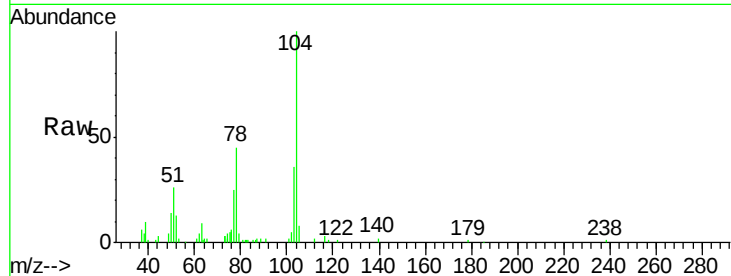
#61
Stvrene
Concen: 0.358 ppbv m
RT: 13.55 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	43.4	65.0#
103	0.0	38.3	57.5#

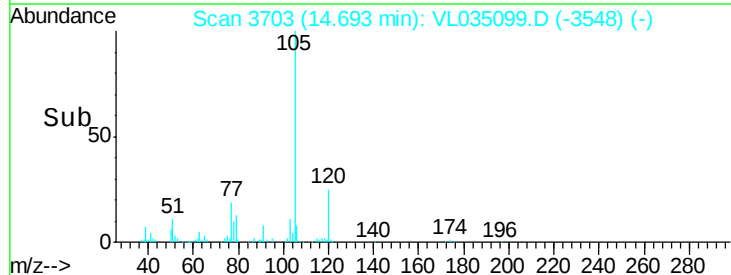
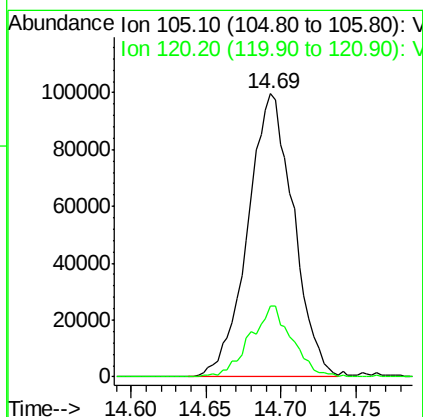
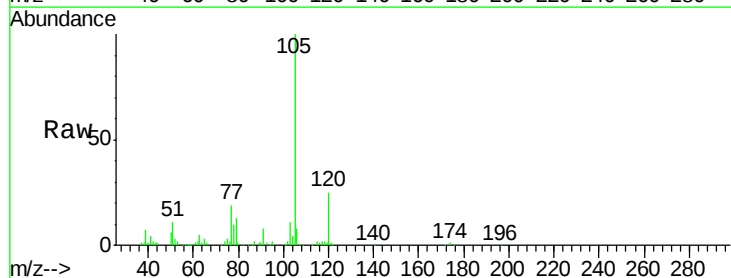
Manual Integrations
APPROVED

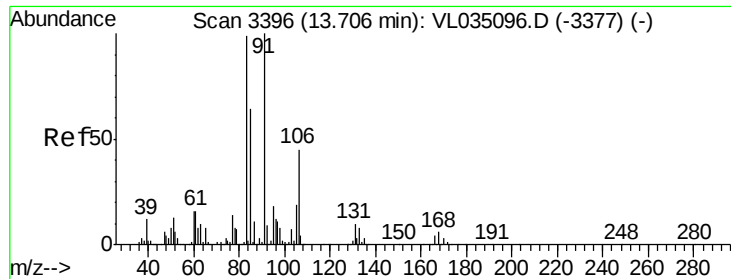
MMDadoda
6/22/2020 2:09:02 PM



#62
Isopropylbenzene
Concen: 0.459 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.1	20.8	31.2





#63

1,1,2,2-Tetrachloroethane

Concen: 0.494 ppbv m

RT: 13.70 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 83 Resp: 120490

Ion Ratio Lower Upper

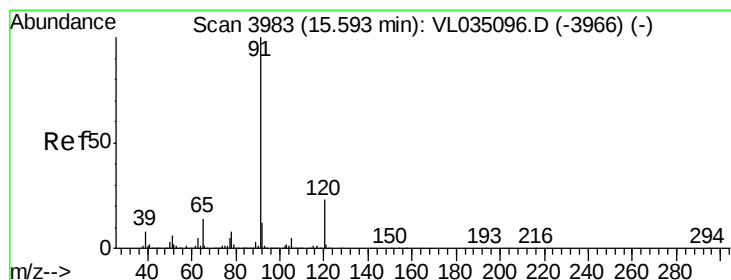
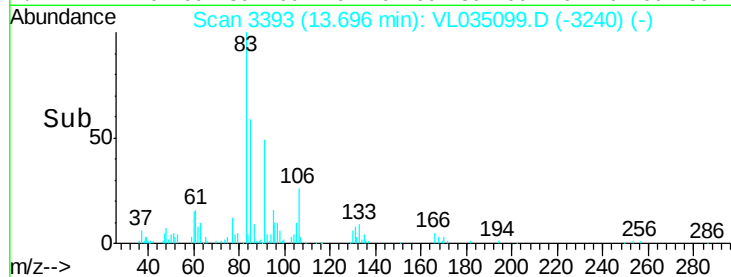
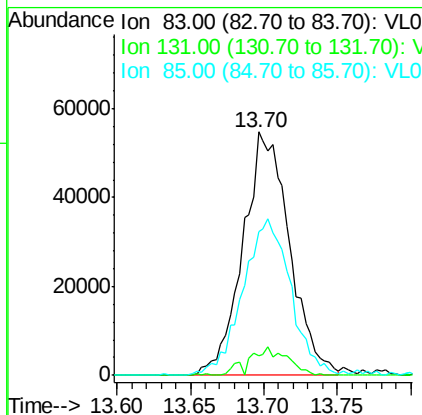
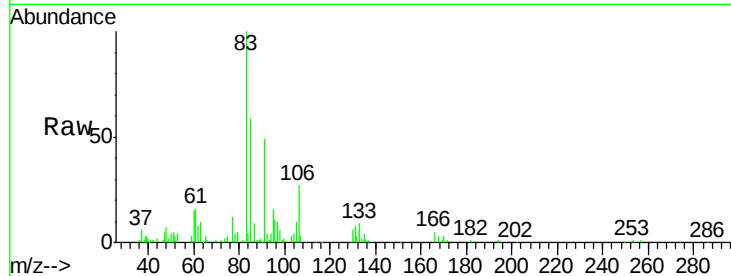
83 100

131 0.0 4.7 14.0#

85 0.0 32.4 97.0#

Manual Integrations
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#64

n-propylbenzene

Concen: 0.448 ppbv m

RT: 15.59 min Scan# 3982

Delta R.T. -0.00 min

Lab File: VL035099.D

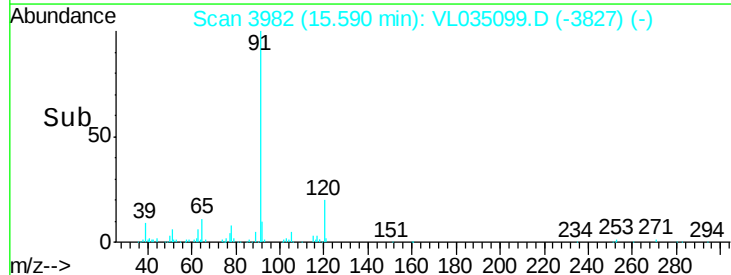
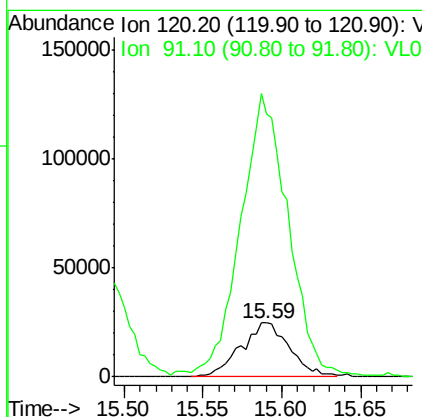
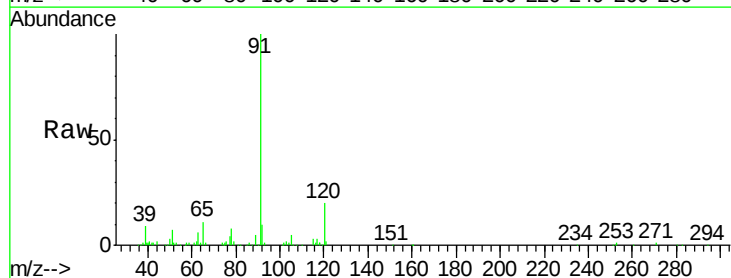
Acq: 19 Jun 2020 17:50

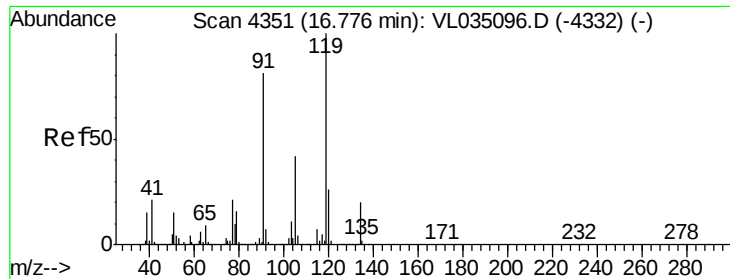
Tgt Ion:120 Resp: 52978

Ion Ratio Lower Upper

120 100

91 513.7 367.9 551.9





#65

tert-Butylbenzene

Concen: 0.437 ppbv m

RT: 16.78 min Scan# 4352

Delta R.T. 0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

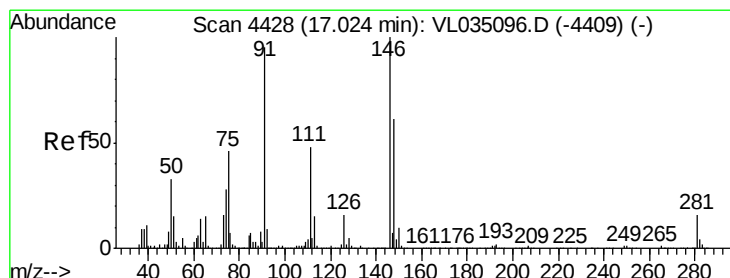
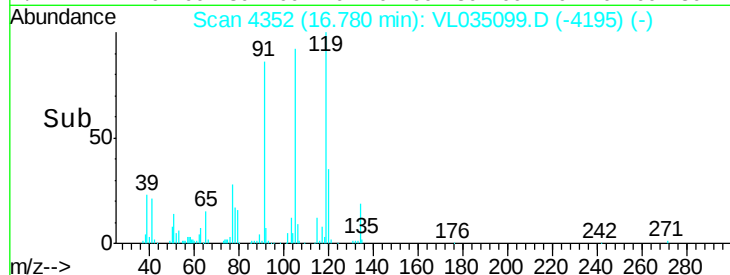
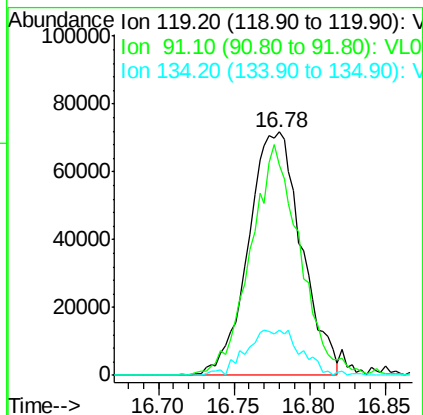
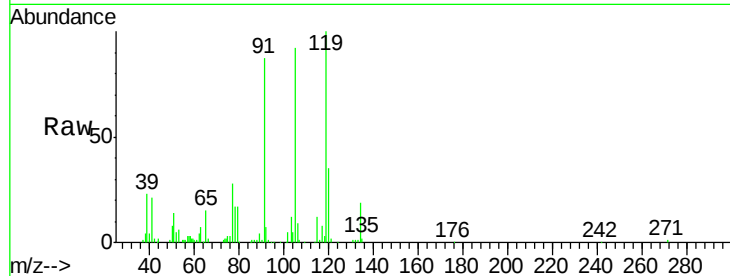
ClientSampleId :

VSTDICCC0.5

Tot Ion:	119	Resp:	174886
Ion Ratio	Lower	Upper	
119	100		
91	89.0	67.6	101.4
134	19.6	15.7	23.5

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.363 ppbv m

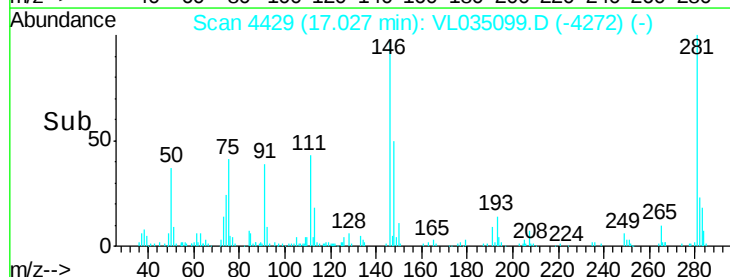
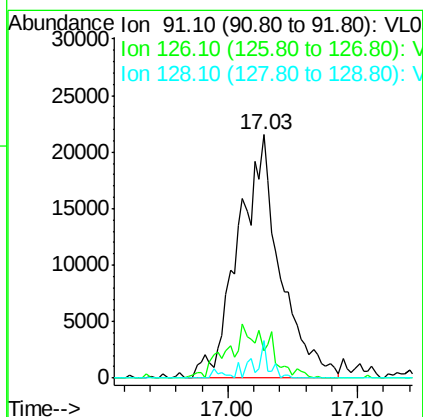
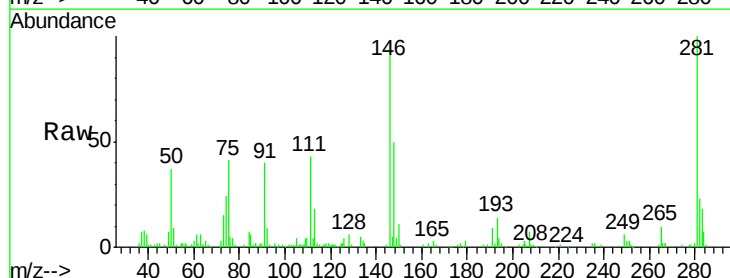
RT: 17.03 min Scan# 4429

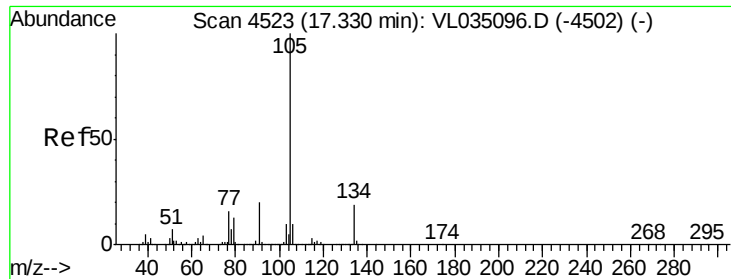
Delta R.T. 0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Tgt Ion:	91	Resp:	48092
Ion Ratio	Lower	Upper	
91	100		
126	0.0	13.5	20.3#
128	5.8	4.3	6.5





#67

sec-Butylbenzene

Concen: 0.452 ppbv m

RT: 17.32 min Scan# 4521

Delta R.T. -0.01 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 105 Resp: 257411

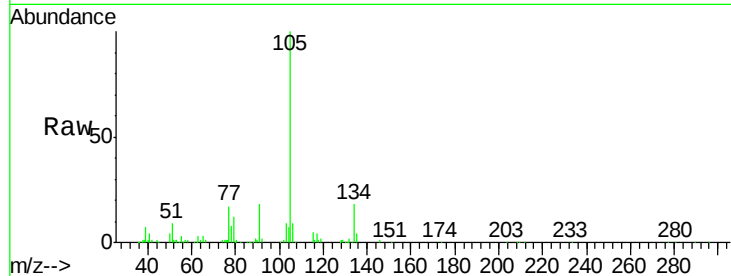
Ion Ratio Lower Upper

105 100

134 16.9 14.7 22.1

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

120000

100000

80000

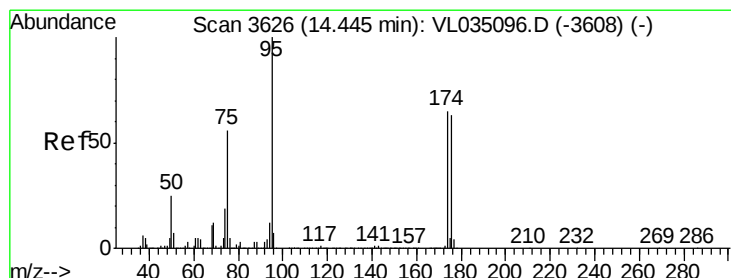
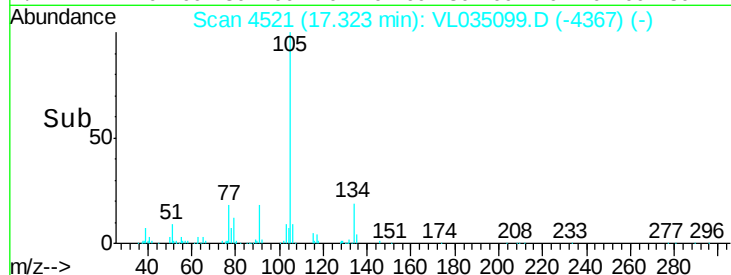
60000

40000

20000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.694 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

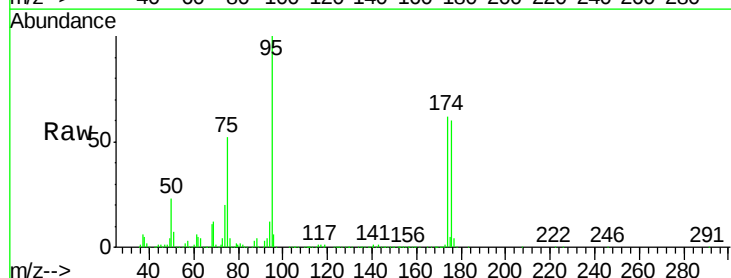
Tgt Ion: 95 Resp: 2508959

Ion Ratio Lower Upper

95 100

174 65.0 52.2 78.2

175 4.9 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

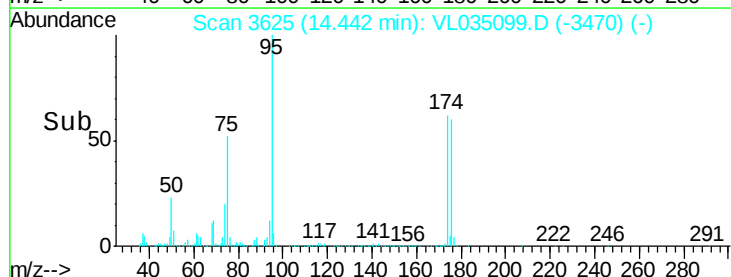
1500000

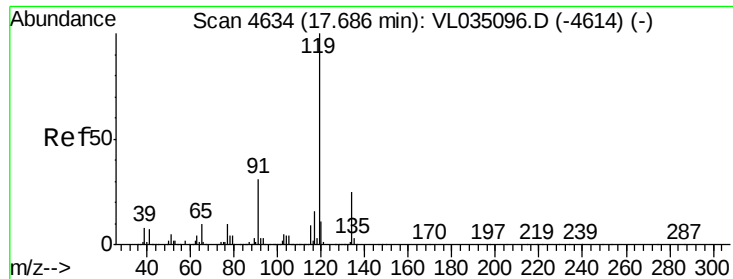
1000000

500000

0

Time-->





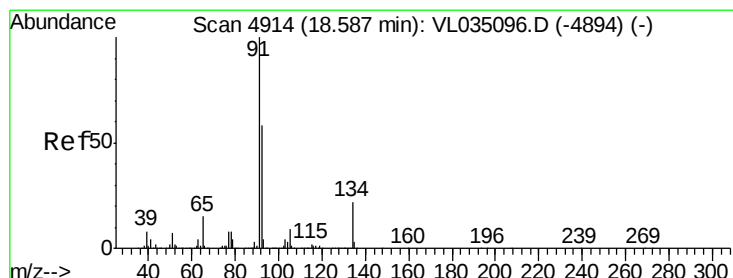
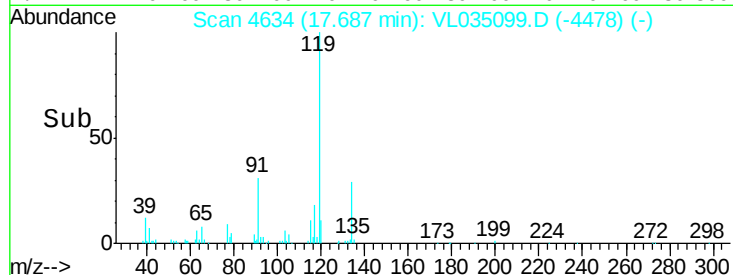
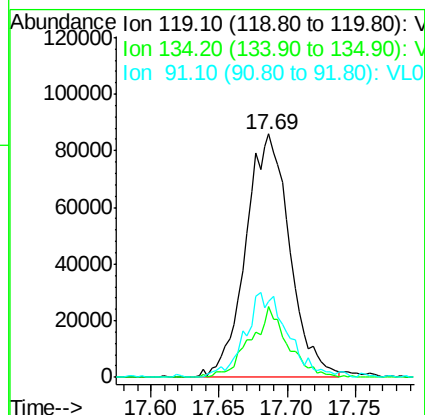
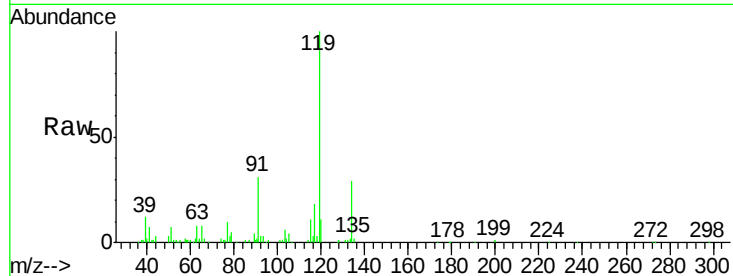
#69
 p-Isopropyltoluene
 Concen: 0.419 ppbv m
 RT: 17.69 min Scan# 4634
 Delta R.T. 0.00 min
 Lab File: VL035099.D
 Acq: 19 Jun 2020 17:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	193073		
134	0.0	20.4	30.6#	
91	34.7	24.5	36.7	

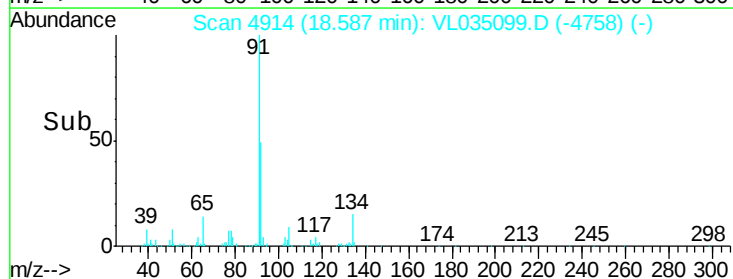
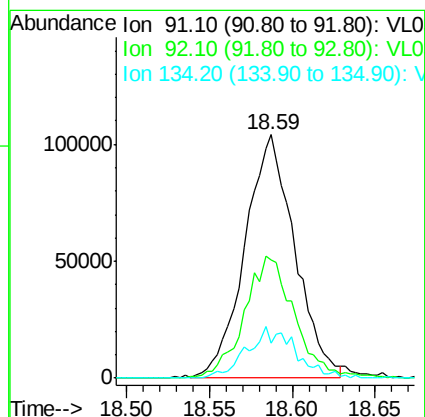
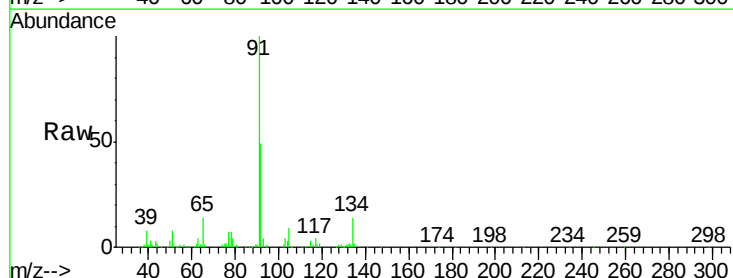
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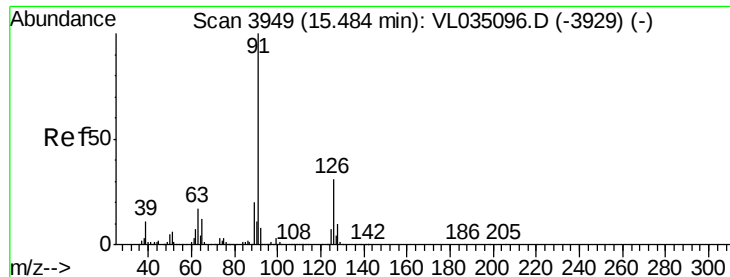
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#70
 n-Butylbenzene
 Concen: 0.442 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. 0.00 min
 Lab File: VL035099.D
 Acq: 19 Jun 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	216349		
92	50.7	44.4	66.6	
134	20.6	18.0	27.0	





#71

2-Chlorotoluene

Concen: 0.431 ppbv m

RT: 15.48 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion: 91 Resp: 149785

Ion Ratio Lower Upper

91 100

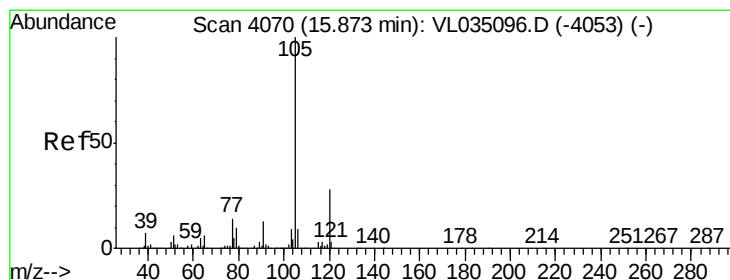
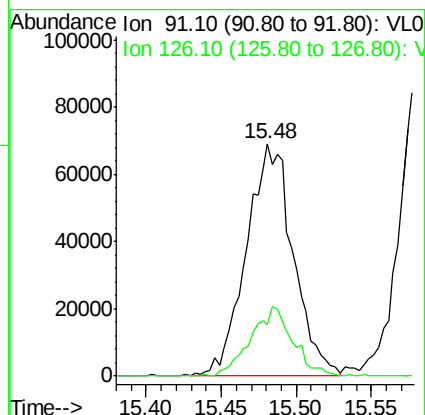
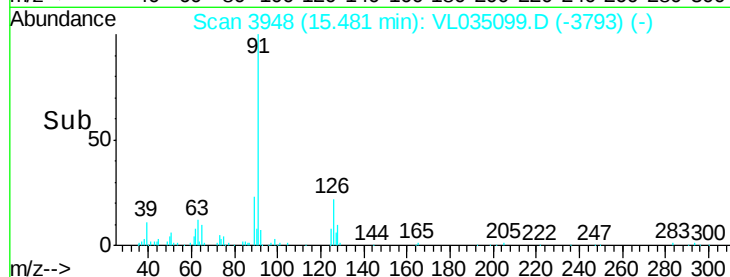
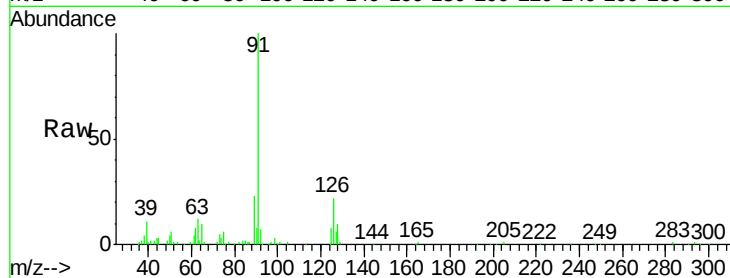
126 0.0 12.0 48.0#

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#72

4-Ethyltoluene

Concen: 0.405 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Tgt Ion: 105 Resp: 139481

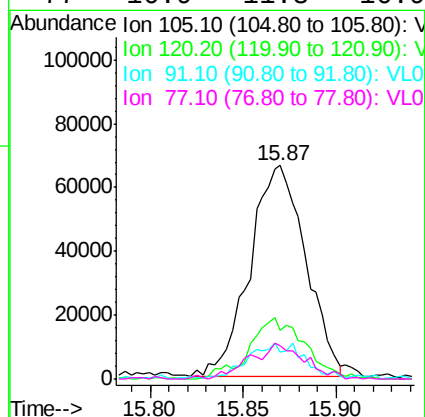
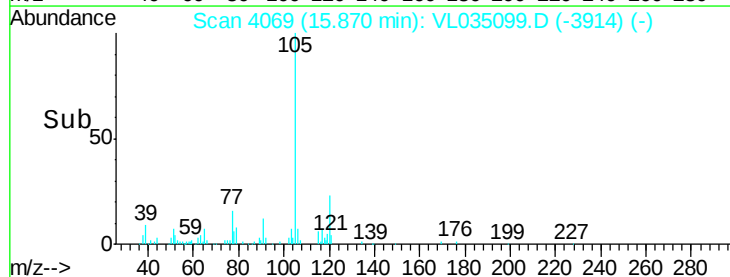
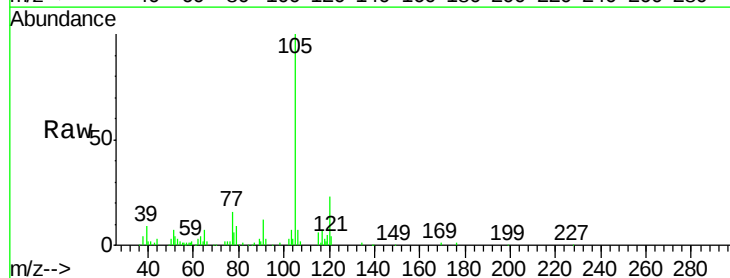
Ion Ratio Lower Upper

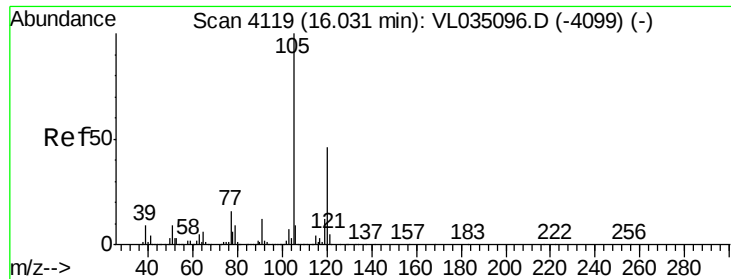
105 100

120 28.5 23.4 35.0

91 18.3 10.6 16.0#

77 16.9 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 0.412 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC0.5

Tot Ion:105 Resp: 137491

Ion Ratio Lower Upper

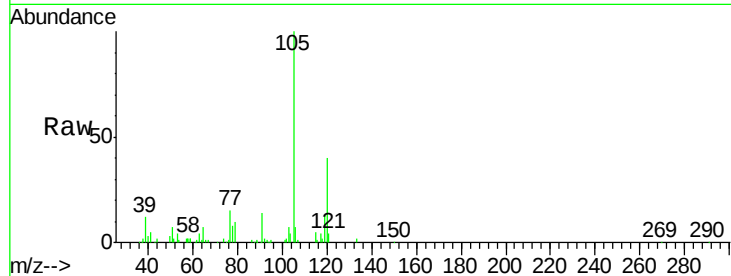
105 100

120 44.6 37.0 55.6

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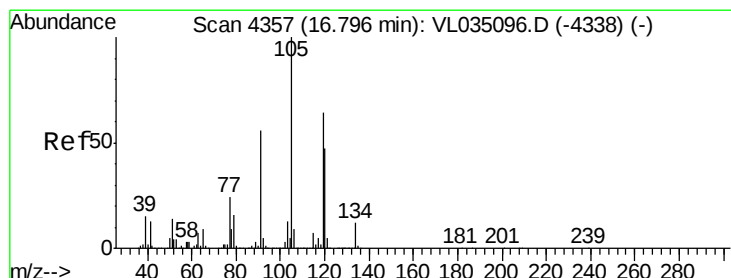
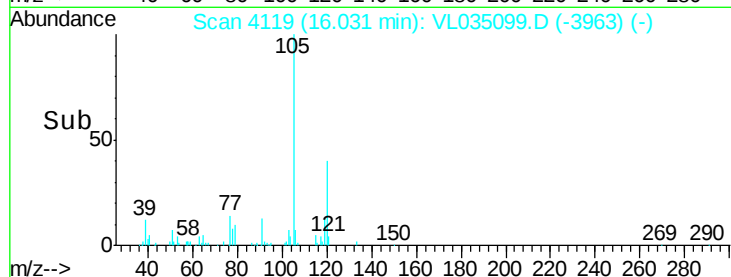
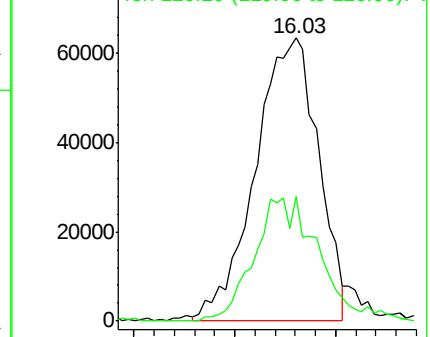
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.477 ppbv m

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Tgt Ion:105 Resp: 173917

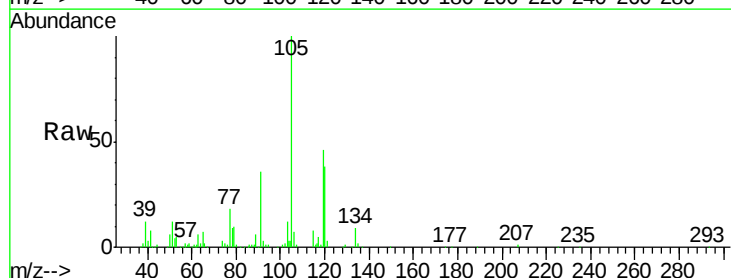
Ion Ratio Lower Upper

105 100

120 37.9 37.9 56.9#

91 35.7 46.0 69.0#

77 18.4 19.4 29.2#

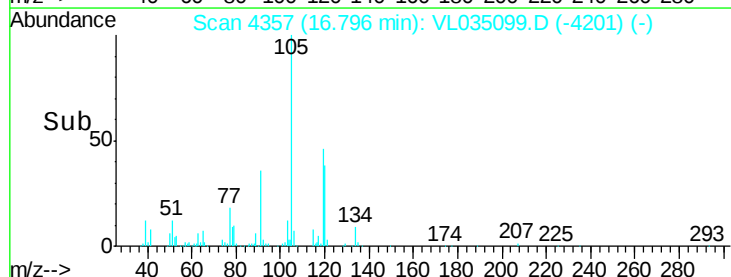
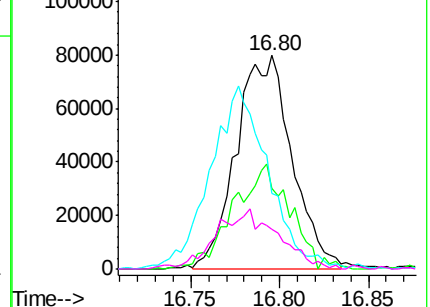


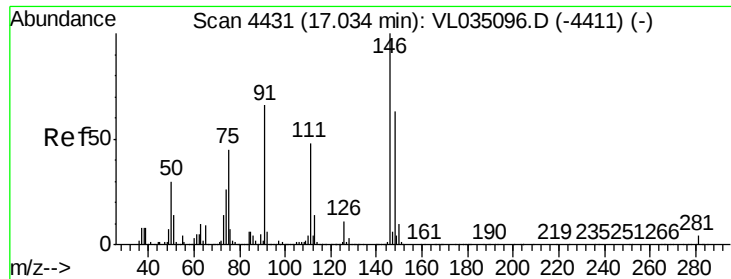
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 0.524 ppbv m

RT: 17.03 min Scan# 4429

Delta R.T. -0.01 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

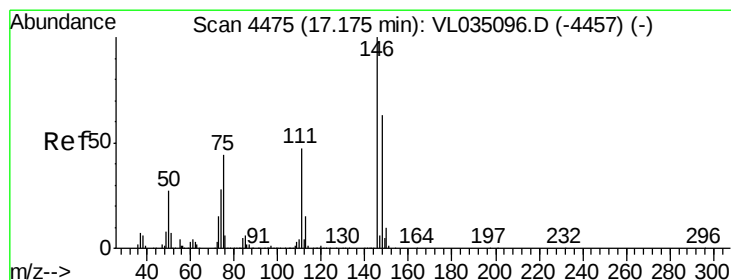
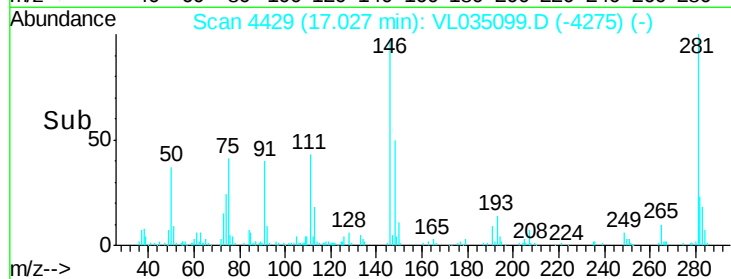
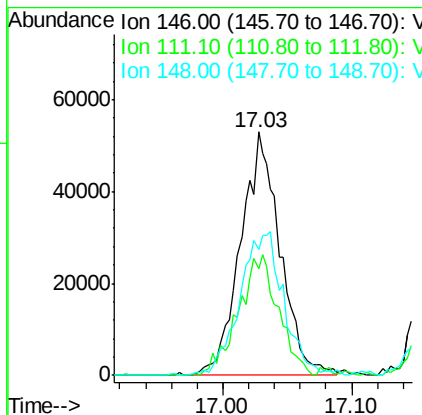
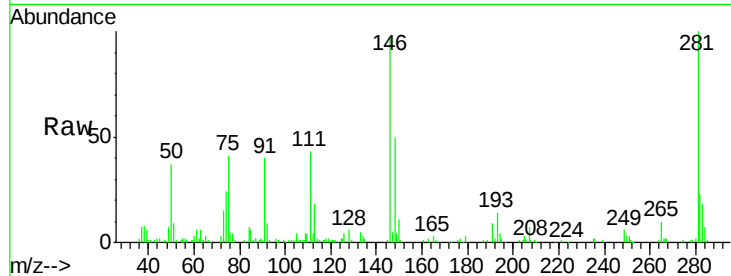
ClientSampleId :

VSTDICCC0.5

Tot Ion:	146	Resp:	112749
Ion Ratio	Lower	Upper	
146	100		
111	0.0	24.1	72.4#
148	0.0	32.3	96.8#

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 0.486 ppbv

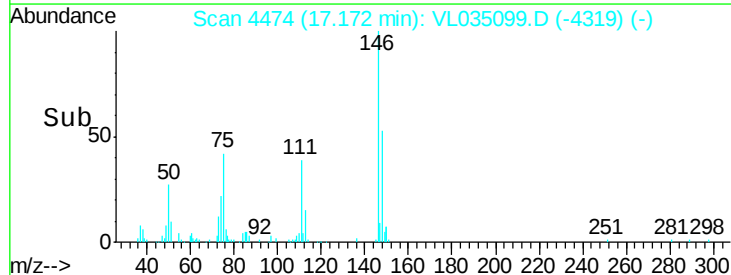
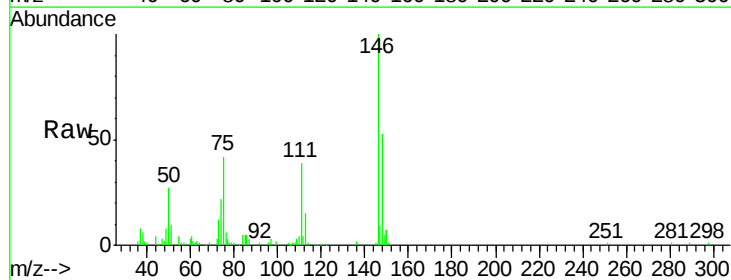
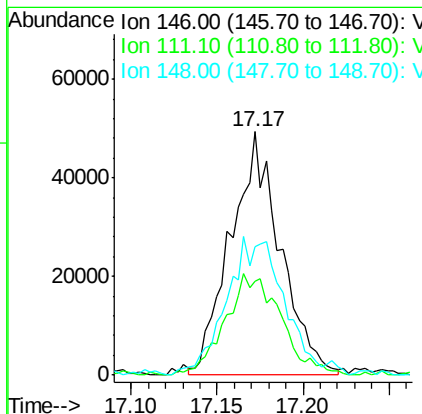
RT: 17.17 min Scan# 4474

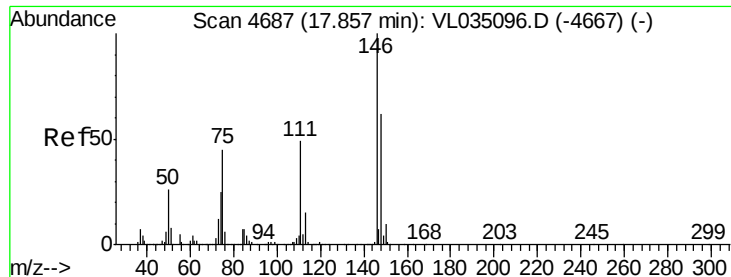
Delta R.T. -0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Tgt Ion:	146	Resp:	99079
Ion Ratio	Lower	Upper	
146	100		
111	46.8	23.5	70.5
148	67.8	32.0	96.2





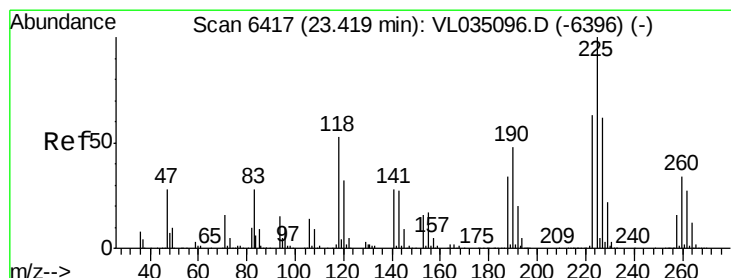
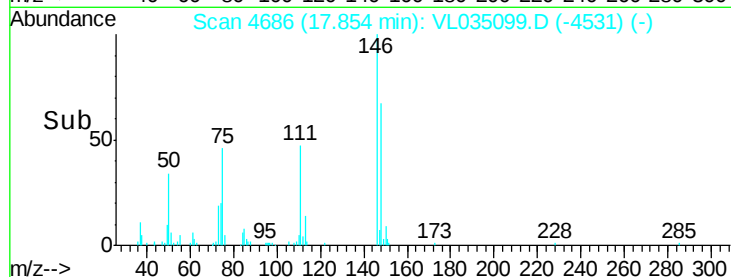
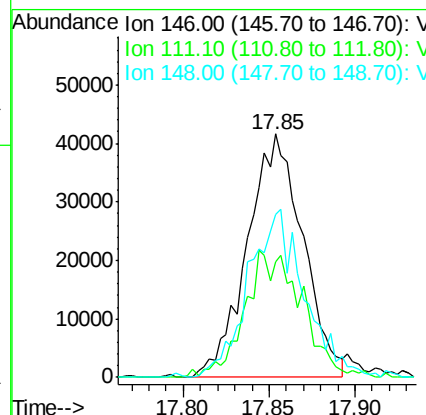
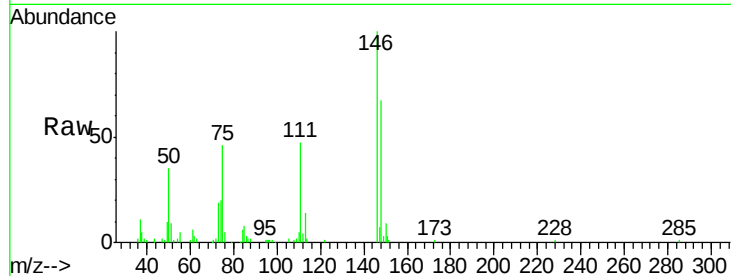
#77
 1,2-Dichlorobenzene
 Concen: 0.462 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.00 min
 Lab File: VL035099.D
 Acq: 19 Jun 2020 17:50

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	54.0	25.0	75.0
148	70.4	32.3	96.8

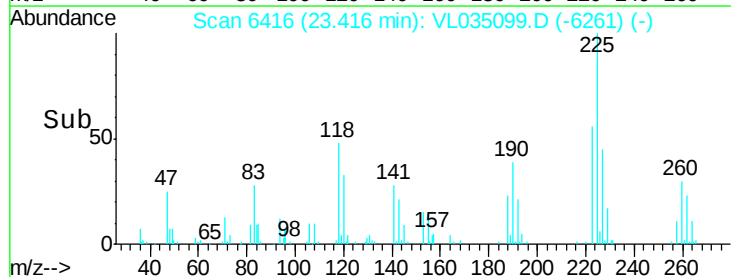
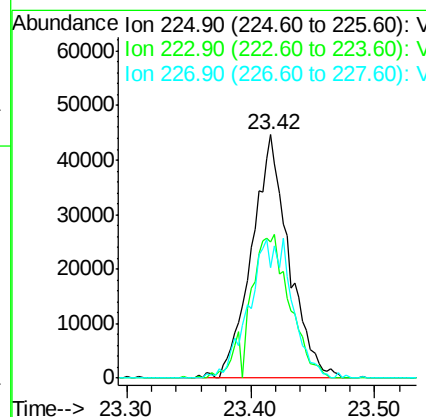
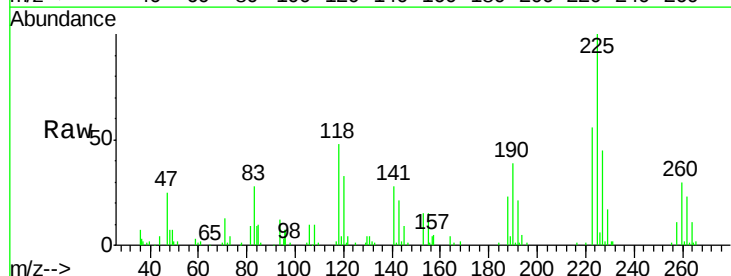
Manual Integrations
 APPROVED

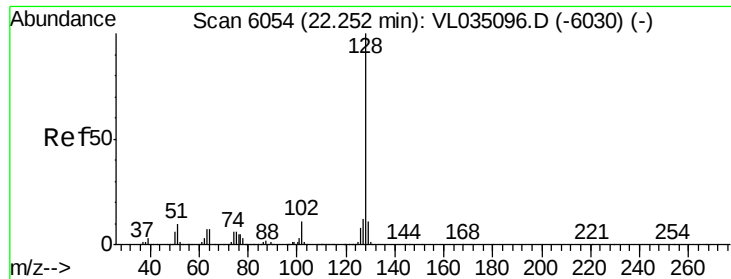
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.540 ppbv m
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL035099.D
 Acq: 19 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	51.4	77.0
227	0.0	51.8	77.8#





#79

Naphthalene

Concen: 0.446 ppbv m

RT: 22.26 min Scan# 6056

Delta R.T. 0.01 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Instrument :

MSVOA_L

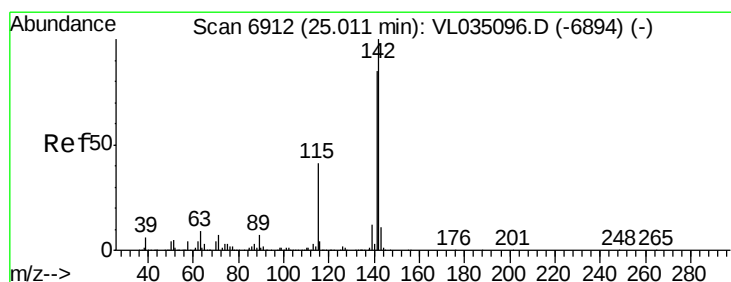
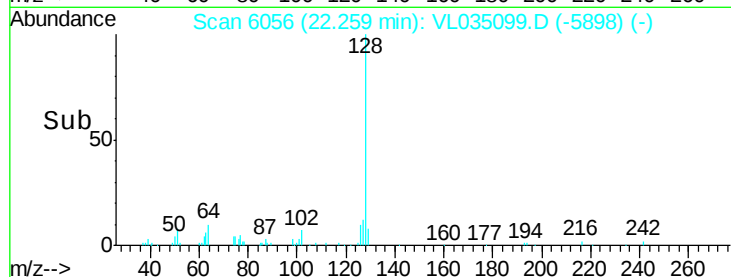
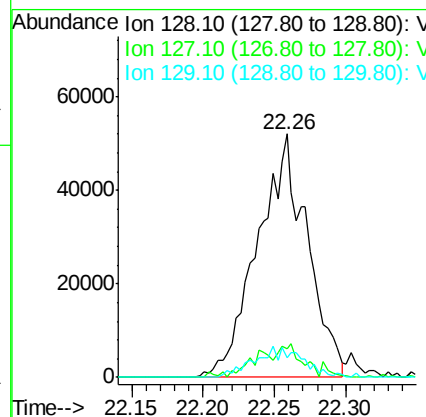
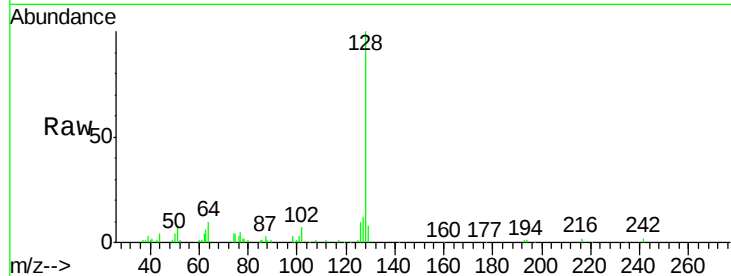
ClientSampleId :

VSTDICCC0.5

Tot Ion:	128	Resp:	125561
Ion Ratio	Lower	Upper	
128	100		
127	11.6	9.9	14.9
129	8.1	9.0	13.4#

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#80

Naphthalene, 2-methyl-

Concen: 0.448 ppbv

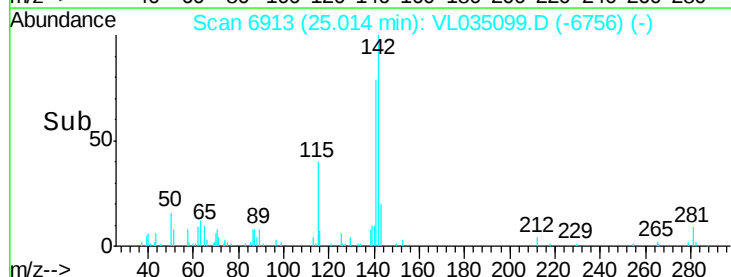
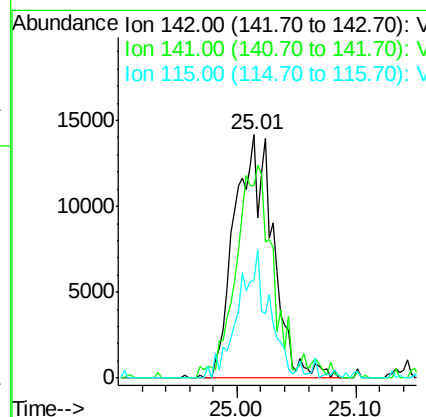
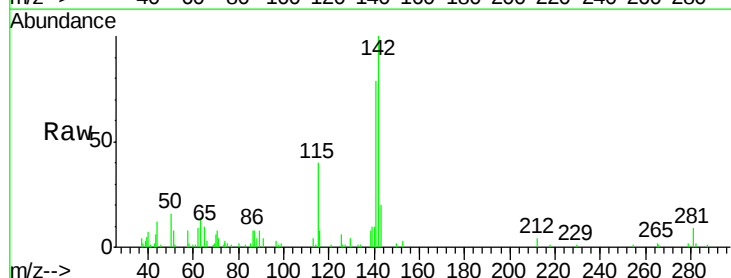
RT: 25.01 min Scan# 6913

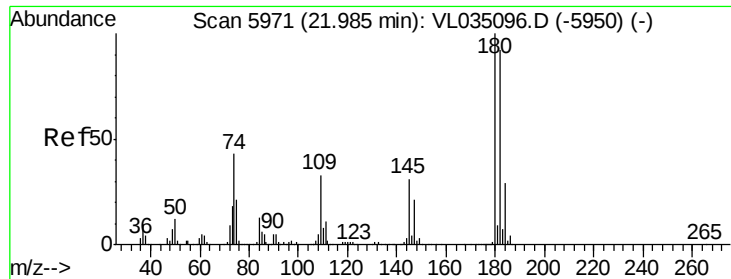
Delta R.T. 0.00 min

Lab File: VL035099.D

Acq: 19 Jun 2020 17:50

Tgt Ion:	142	Resp:	31759
Ion Ratio	Lower	Upper	
142	100		
141	82.6	67.5	101.3
115	43.3	33.8	50.8





#81
 1,2,4-Trichlorobenzene
 Concen: 0.507 ppbv m
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL035099.D
 Acq: 19 Jun 2020 17:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	77.9	116.9
184	26.7	24.6	37.0

Manual Integrations
 APPROVED

MMDadoda
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