

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061920\
 Data File : VL035097.D
 Acq On : 19 Jun 2020 16:34
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 2:08:55 PM

Quant Time: Jun 20 01:40:08 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	1387078	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3214989	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3153304	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2549183	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	368795	1.849 ppbv	95
3) Chlorodifluoromethane	2.94	51	331952	2.091 ppbv	97
4) Chloromethane	3.09	50	180565	1.987 ppbv	92
5) Vinyl Chloride	3.21	62	174967	1.977 ppbv	95
6) Bromomethane	3.43	94	105363	1.988 ppbv	87
7) Chloroethane	3.51	64	62574	1.970 ppbv	98
8) Dichlorotetrafluoroethane	3.14	85	430457	2.104 ppbv	98
9) Propene	2.96	41	133438	1.961 ppbv	98
10) Heptane	8.12	43	338429	1.984 ppbv	97
11) Trichlorofluoromethane	3.91	101	415644	2.048 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	277179	1.922 ppbv	97
13) Ethanol	3.56	45	52206m	2.373 ppbv	
14) Bromoethene	3.70	108	126637	2.121 ppbv	97
15) Acetone	3.82	43	357026	1.950 ppbv	97
16) 1,3-Butadiene	3.28	39	156227	1.980 ppbv	98
17) tert-Butyl alcohol	4.26	59	293776	1.809 ppbv	98
18) 1,1-Dichloroethene	4.25	96	129936	2.075 ppbv	97
19) Isopropyl Alcohol	3.93	45	212721	1.764 ppbv #	96
20) Methylene Chloride	4.31	84	150258	2.481 ppbv	96
21) Allyl Chloride	4.38	41	204947	1.988 ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	118824	1.936 ppbv	98
23) Vinyl Acetate	5.05	43	454242	1.978 ppbv #	98
24) 1,1-Dichloroethane	4.98	63	359132	2.007 ppbv	100
25) Ethyl Acetate	5.65	43	646569	2.104 ppbv	99
26) Hexane	5.67	57	306811	2.301 ppbv	94
27) Carbon Disulfide	4.52	76	286506	1.842 ppbv	97
28) Methyl tert-Butyl Ether	5.01	73	415041	2.050 ppbv	99
29) Chloroform	5.73	83	440456	2.013 ppbv	94
30) Cyclohexane	7.13	84	210132	2.032 ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	263445	2.017 ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	410462	2.075 ppbv	99
34) 2-Butanone	5.22	43	407347	2.053 ppbv	99
35) Carbon Tetrachloride	7.01	117	409112	2.019 ppbv	96
36) Benzene	6.88	78	542726	2.051 ppbv	96
37) 1,2-Dichloroethane	6.29	62	331470	2.025 ppbv	99
38) Trichloroethene	7.84	130	206472m	2.005 ppbv	
39) 1,2-Dichloropropane	7.61	63	203928	1.924 ppbv	97
40) 1,4-Dioxane	7.84	88	77175m	1.827 ppbv	
41) Tetrahydrofuran	6.03	42	206184m	1.980 ppbv	
42) Bromodichloromethane	7.79	83	444280	2.014 ppbv	98
43) Methyl Methacrylate	8.01	69	225516	2.020 ppbv	95

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Manual Integrations
 APPROVED

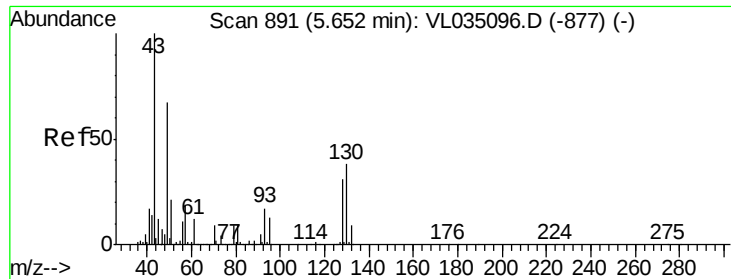
MMDadoda
 6/22/2020 2:08:55 PM

Quant Time: Jun 20 01:40:08 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	7.86	57	955691	2.033	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	214892	1.917	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	270322	1.961	ppbv	93
47) 1,1,2-Trichloroethane	9.48	97	224792	2.002	ppbv	95
48) Dibromochloromethane	10.32	129	343259	1.992	ppbv	99
49) Bromoform	13.07	173	291913	1.976	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	572923	2.025	ppbv	99
51) 2-Hexanone	10.14	43	462471	2.095	ppbv #	97
52) Tetrachloroethene	11.24	164	184652m	1.956	ppbv	
53) Toluene	9.81	91	592290	2.110	ppbv	99
54) 1,2-Dibromoethane	10.63	107	334137	2.030	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.14	131	280604m	1.995	ppbv	
57) Chlorobenzene	12.17	112	493143	1.992	ppbv	96
58) Ethyl Benzene	12.73	91	806240	2.100	ppbv	94
59) m/p-Xylene	13.01	91	1406127m	4.154	ppbv	
60) o-Xylene	13.71	91	682976	2.043	ppbv	99
61) Styrene	13.55	104	439875	2.086	ppbv	100
62) Isopropylbenzene	14.69	105	1039560	2.087	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.70	83	524616	1.985	ppbv	98
64) n-propylbenzene	15.59	120	261682	2.044	ppbv	84
65) tert-Butylbenzene	16.78	119	919865	2.123	ppbv	98
66) Benzyl Chloride	17.02	91	249081	1.734	ppbv	98
67) sec-Butylbenzene	17.33	105	1312621	2.126	ppbv	98
69) p-Isopropyltoluene	17.68	119	1064149m	2.132	ppbv	
70) n-Butylbenzene	18.58	91	1154413	2.176	ppbv	97
71) 2-Chlorotoluene	15.48	91	798426	2.121	ppbv	97
72) 4-Ethyltoluene	15.87	105	776122	2.079	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	750065	2.072	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	842533	2.132	ppbv	94
75) 1,3-Dichlorobenzene	17.02	146	470185	2.018	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	466538	2.110	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	453286	2.077	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	422395	2.260	ppbv	98
79) Naphthalene	22.25	128	751026	2.463	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	275190	3.583	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	412911	2.222	ppbv	99

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



#1

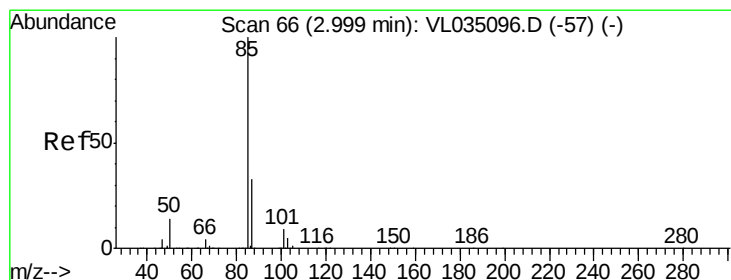
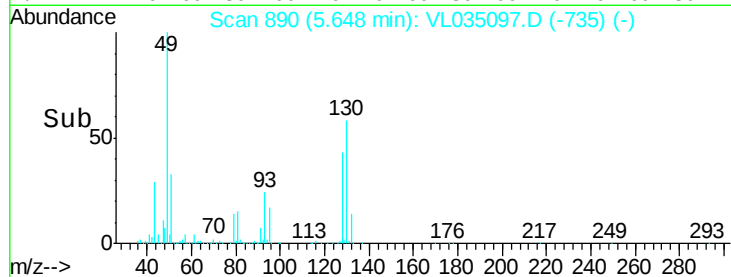
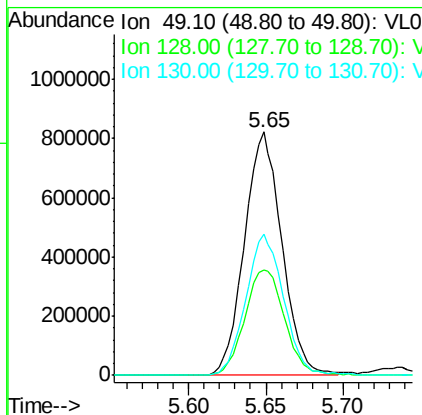
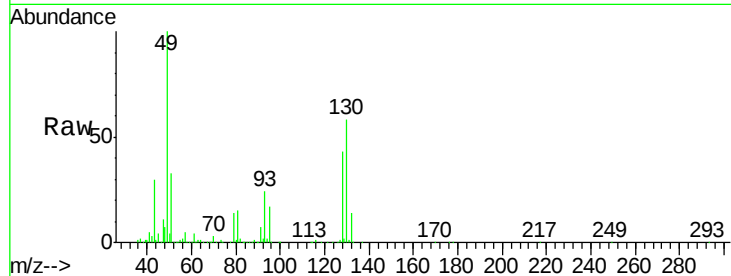
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 49 Resp: 1387078
 Ion Ratio Lower Upper
 49 100
 128 46.4 22.9 68.5
 130 59.1 29.0 87.0

Manual Integrations
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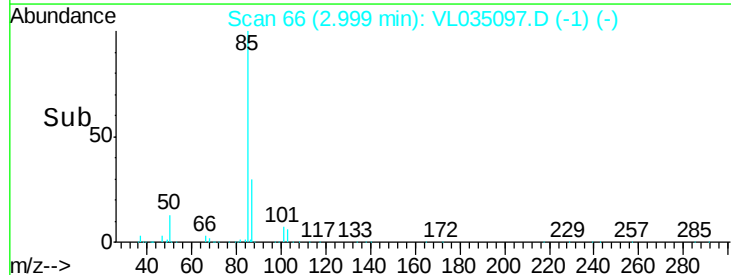
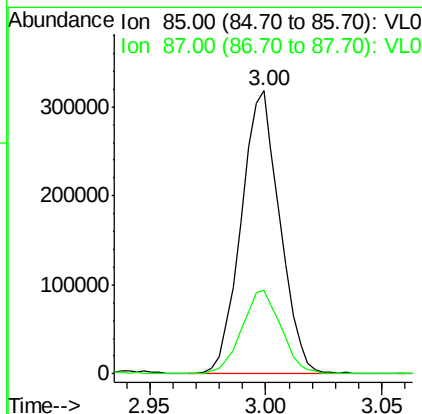
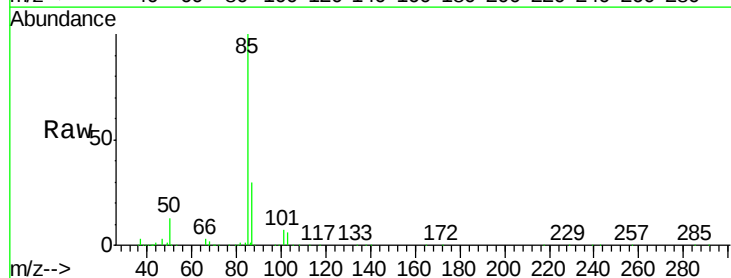
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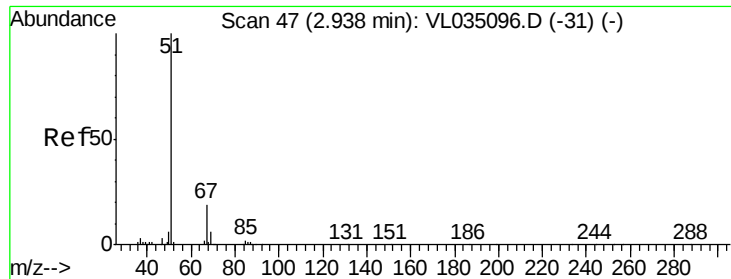


#2

Dichlorodifluoromethane
 Concen: 1.849 ppbv
 RT: 3.00 min Scan# 66
 Delta R.T. 0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Tgt Ion: 85 Resp: 368795
 Ion Ratio Lower Upper
 85 100
 87 29.8 26.1 39.1





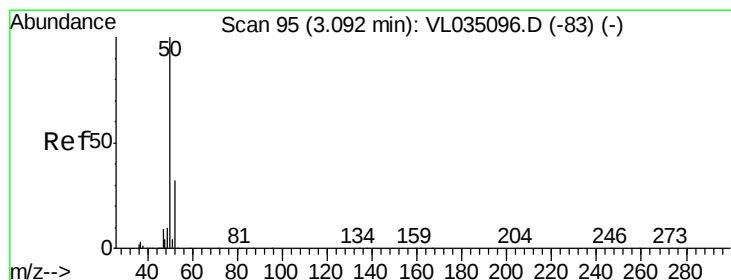
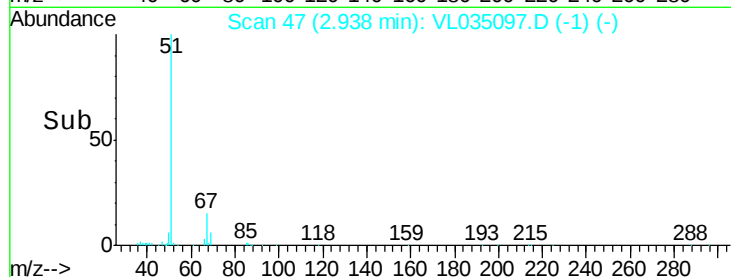
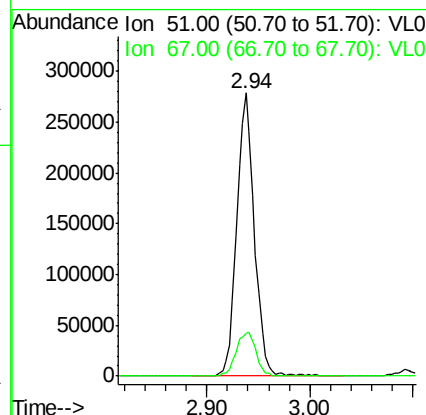
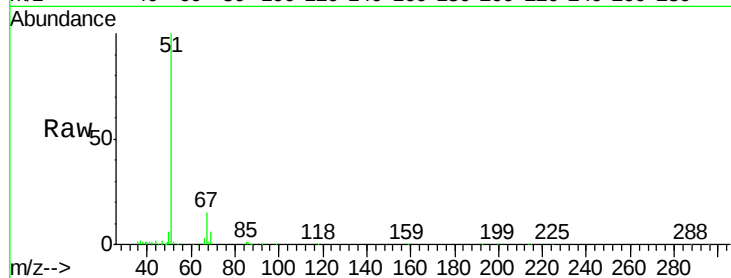
#3
Chlorodifluoromethane
Concen: 2.091 ppbv
RT: 2.94 min Scan# 47
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
51	100		
67	17.7	15.2	22.8

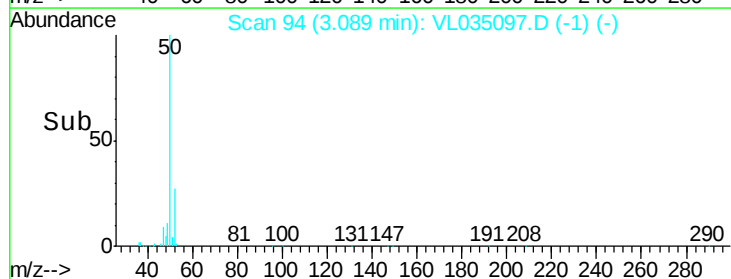
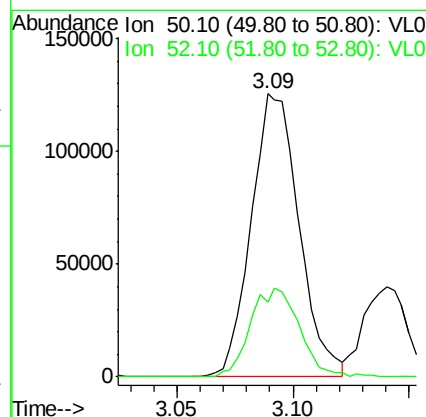
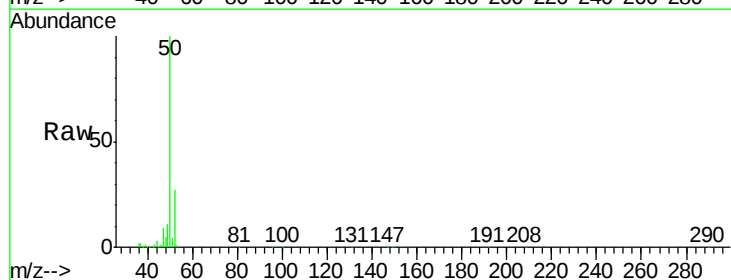
Manual Integrations
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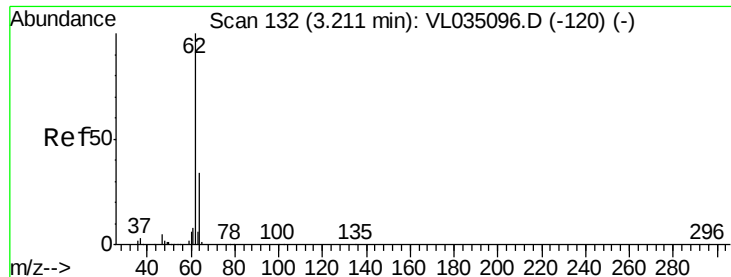
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#4
Chloromethane
Concen: 1.987 ppbv
RT: 3.09 min Scan# 94
Delta R.T. -0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
50	100		
52	27.1	25.4	38.0





#5

Vinyl Chloride

Concen: 1.977 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleID :

VSTDIC002

Tot Ion: 62 Resp: 174967

Ion Ratio Lower Upper

62 100

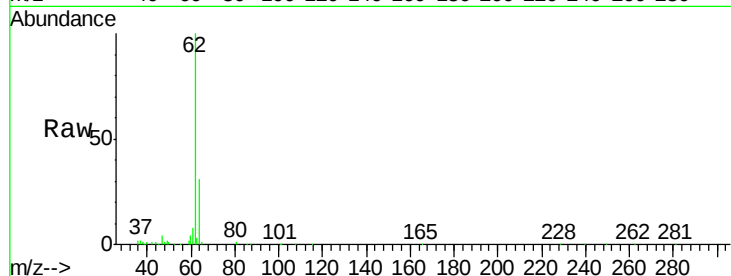
64 30.6 27.0 40.4

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

150000

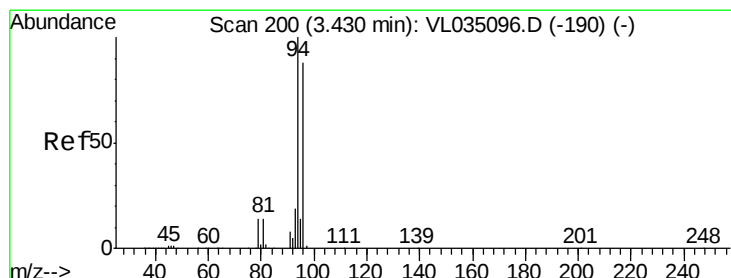
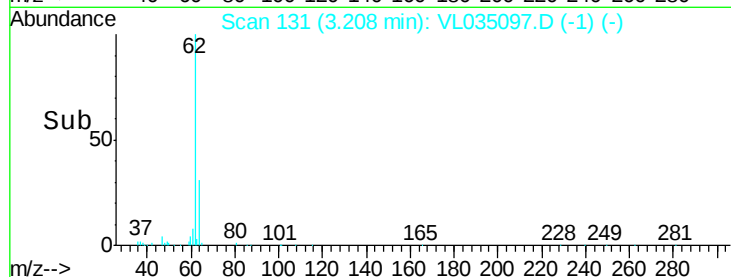
100000

50000

0

3.15 3.20 3.25

Time-->



#6

Bromomethane

Concen: 1.988 ppbv

RT: 3.43 min Scan# 200

Delta R.T. 0.00 min

Lab File: VL035097.D

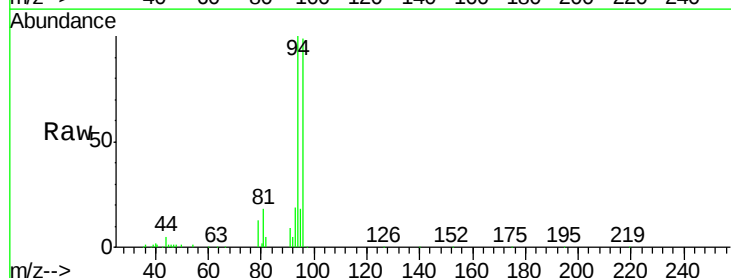
Acq: 19 Jun 2020 16:34

Tgt Ion: 94 Resp: 105363

Ion Ratio Lower Upper

94 100

96 99.6 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

80000

60000

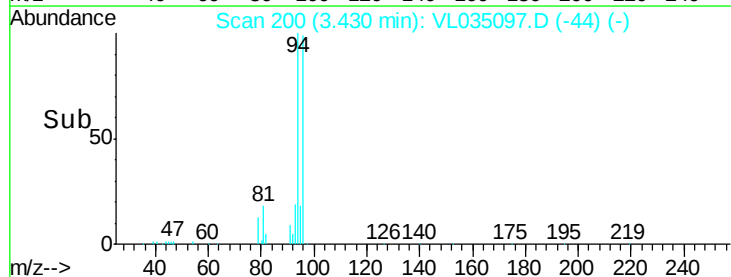
40000

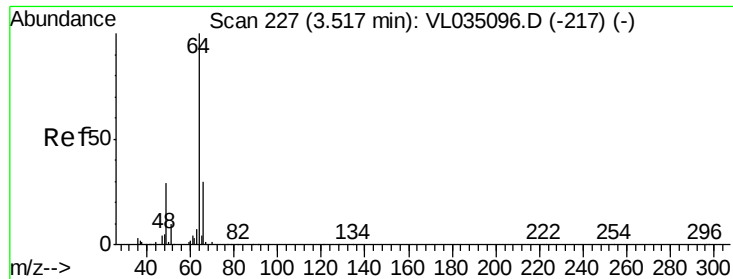
20000

0

3.40 3.45

Time-->





#7

Chloroethane

Concen: 1.970 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 62574

Ion Ratio Lower Upper

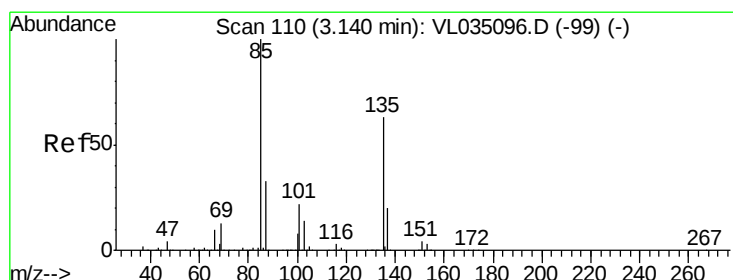
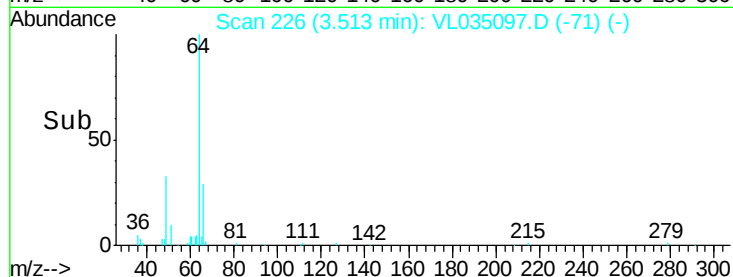
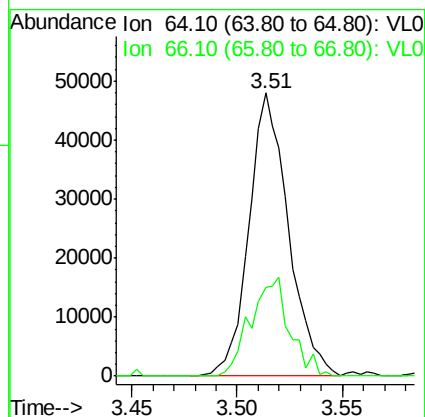
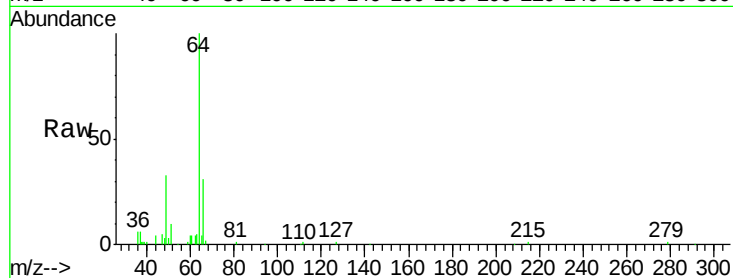
64 100

66 31.3 24.2 36.4

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 2.104 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL035097.D

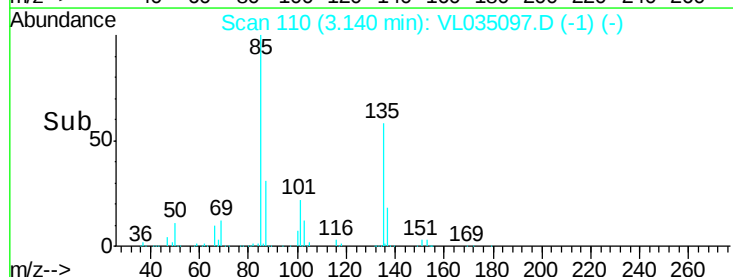
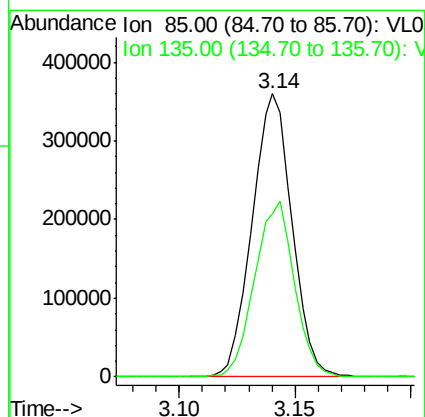
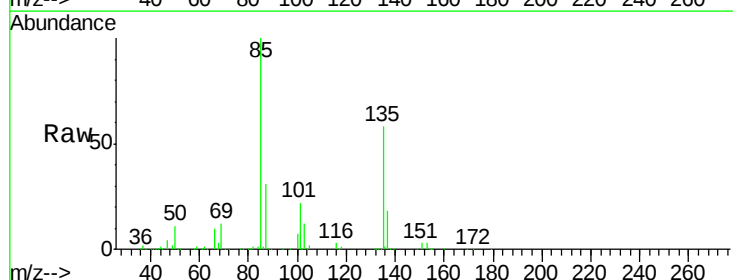
Acq: 19 Jun 2020 16:34

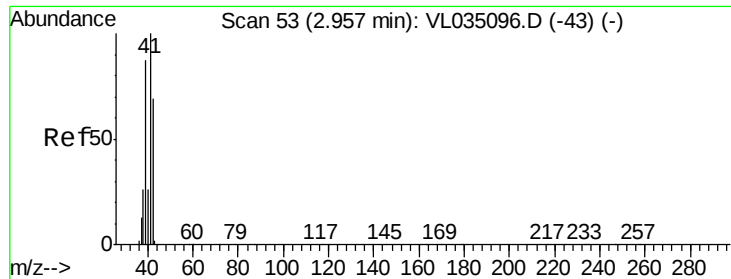
Tgt Ion: 85 Resp: 430457

Ion Ratio Lower Upper

85 100

135 62.0 51.0 76.6





#9

Propene

Concen: 1.961 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 133438

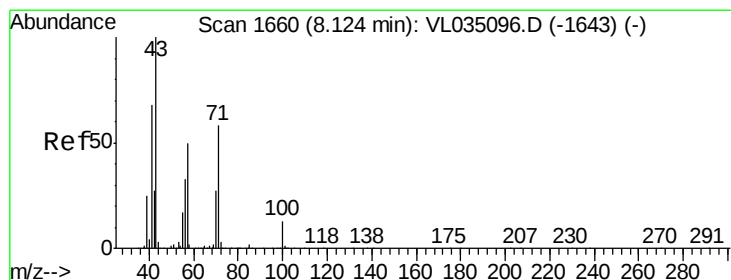
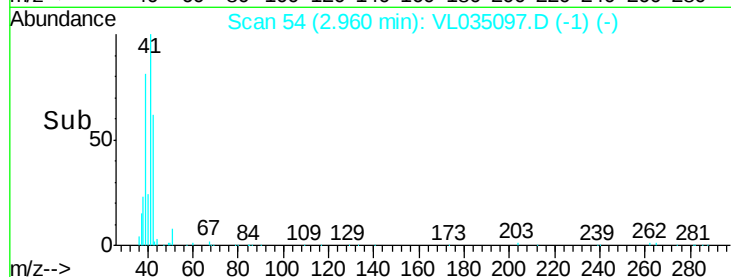
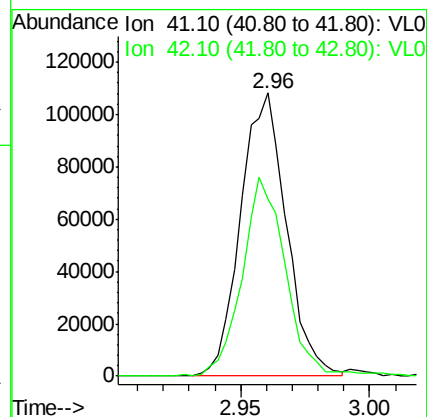
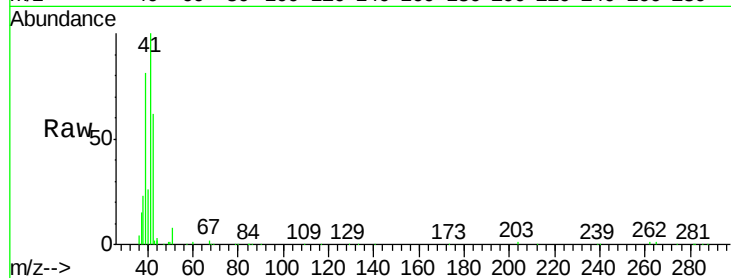
Ion Ratio Lower Upper

41 100

42 67.7 55.8 83.6

Manual Integrations
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#10

Heptane

Concen: 1.984 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VL035097.D

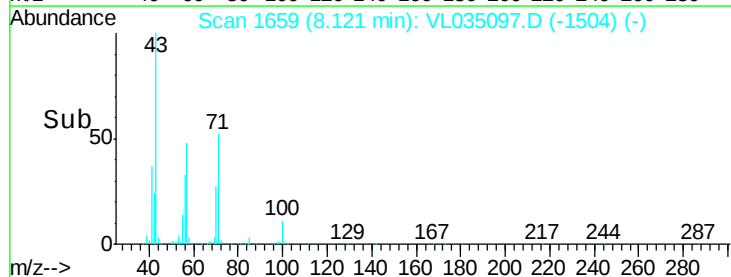
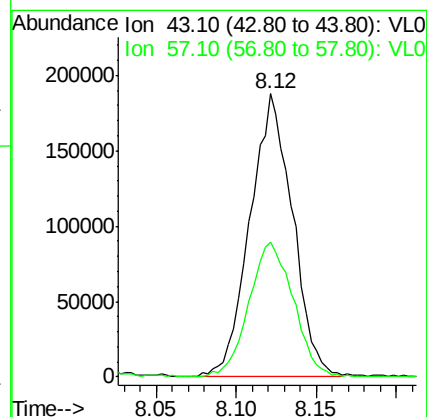
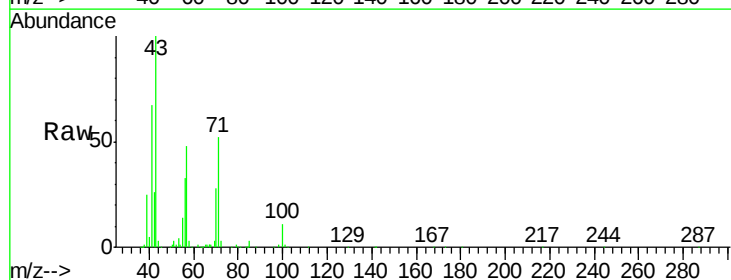
Acq: 19 Jun 2020 16:34

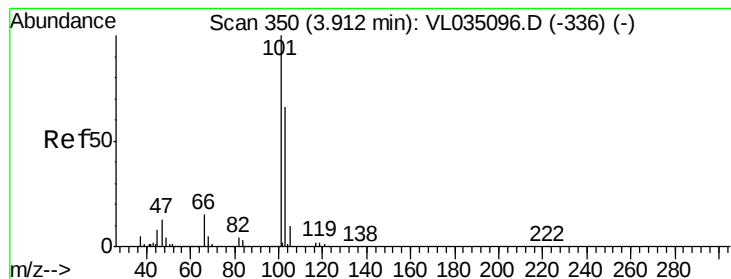
Tgt Ion: 43 Resp: 338429

Ion Ratio Lower Upper

43 100

57 50.4 41.9 62.9





#11

Trichlorofluoromethane

Concen: 2.048 ppbv

RT: 3.91 min Scan# 350

Delta R.T. 0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:101 Resp: 415644

Ion Ratio Lower Upper

101 100

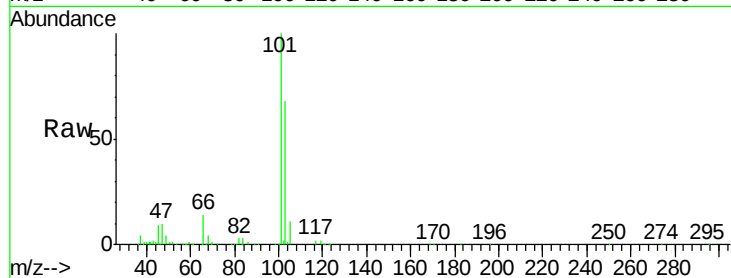
103 67.7 52.6 79.0

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

300000

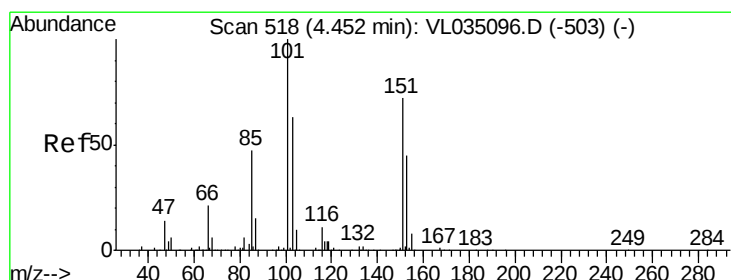
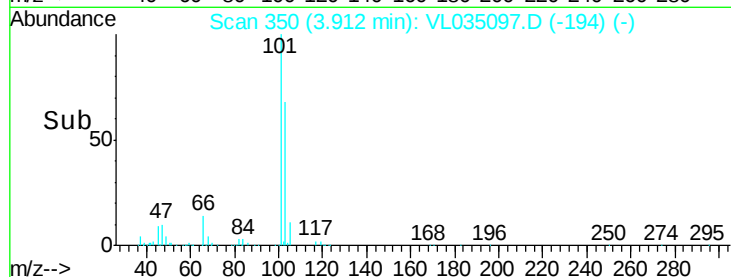
200000

100000

0

3.85 3.90 3.95

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.922 ppbv

RT: 4.46 min Scan# 519

Delta R.T. 0.00 min

Lab File: VL035097.D

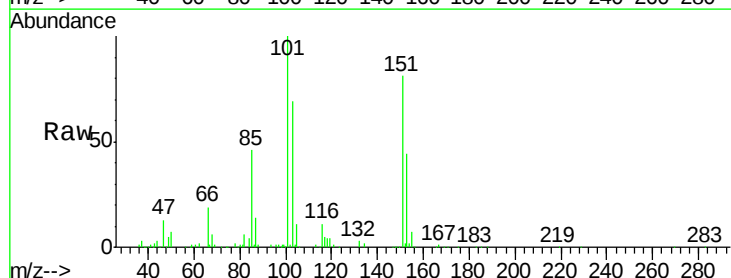
Acq: 19 Jun 2020 16:34

Tgt Ion:101 Resp: 277179

Ion Ratio Lower Upper

101 100

151 73.2 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

150000

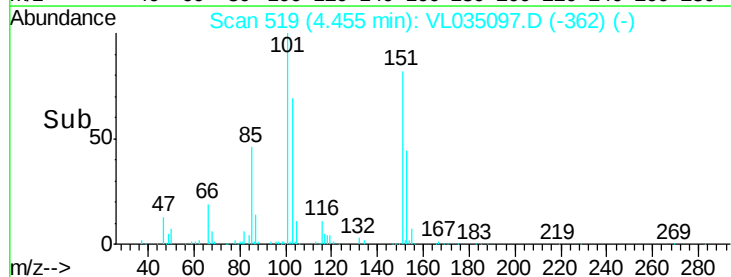
100000

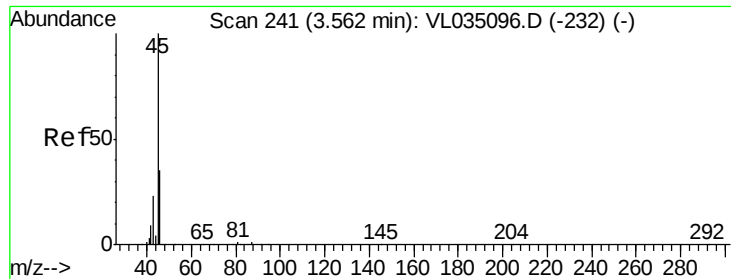
50000

0

4.40 4.45 4.50

Time-->





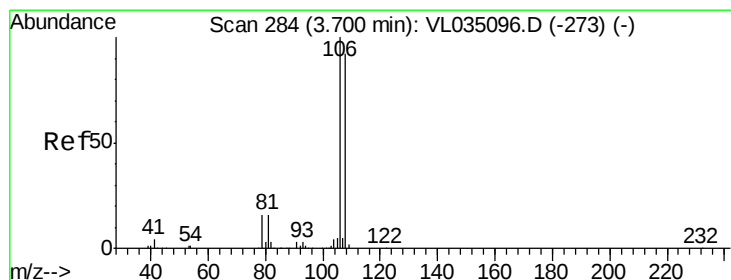
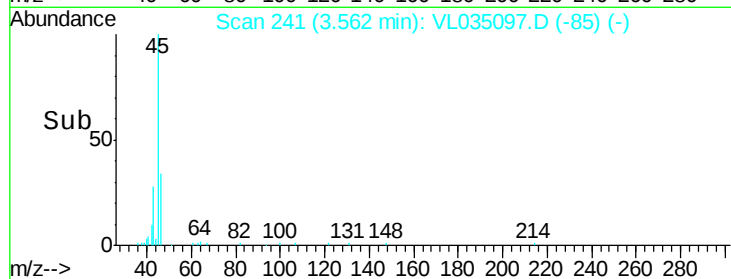
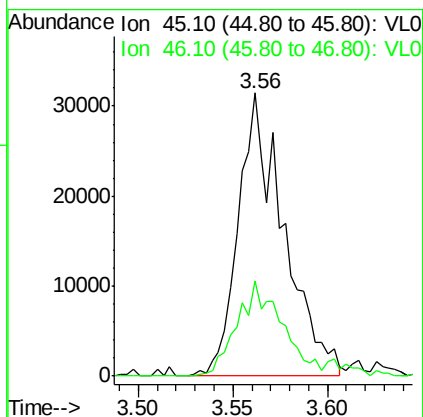
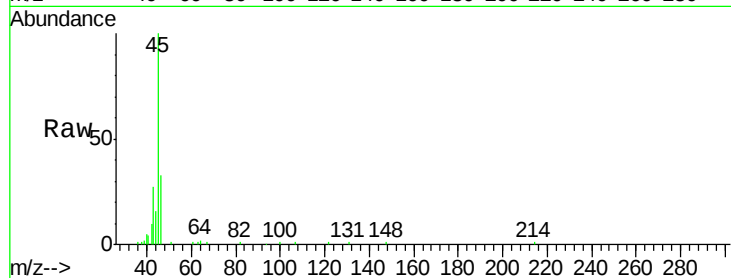
#13
Ethanol
Concen: 2.373 ppbv m
RT: 3.56 min Scan# 241
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	45	Resp	52206
Ion Ratio	100	Lower	Upper
46	37.3	14.2	57.0

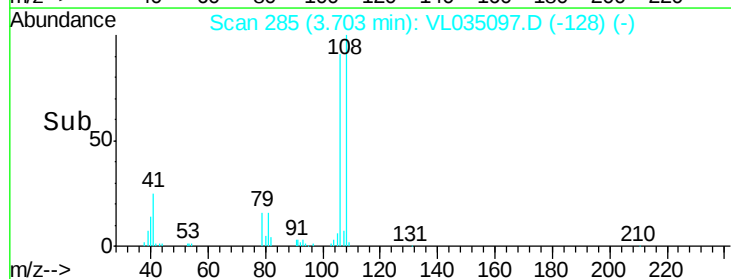
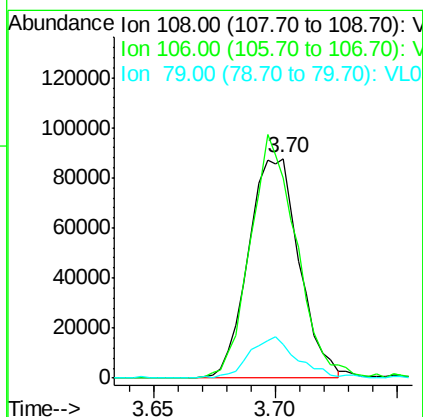
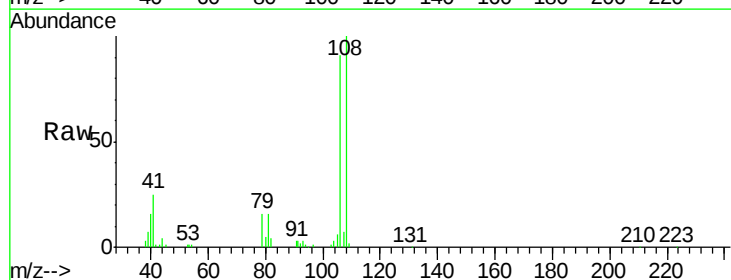
Manual Integrations
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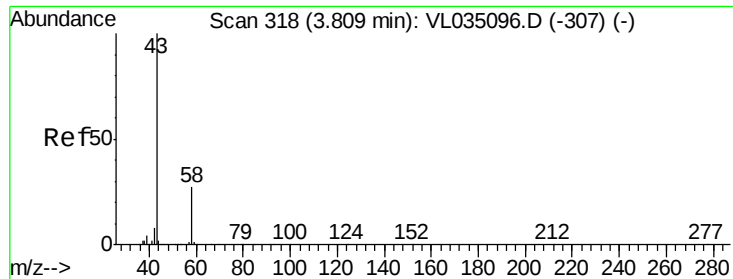
MMDadoda
6/22/2020 2:08:55 PM



#14
Bromoethene
Concen: 2.121 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion	108	Resp	126637
Ion Ratio	100	Lower	Upper
106	102.1	84.4	126.6
79	18.3	14.2	21.2





#15

Acetone

Concen: 1.950 ppbv

RT: 3.82 min Scan# 320

Delta R.T. 0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 357026

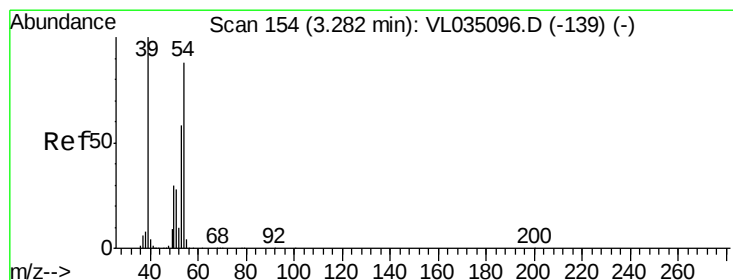
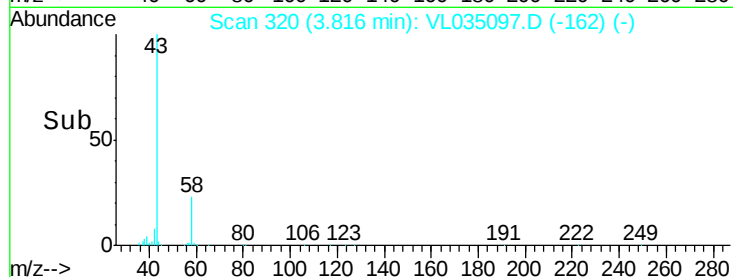
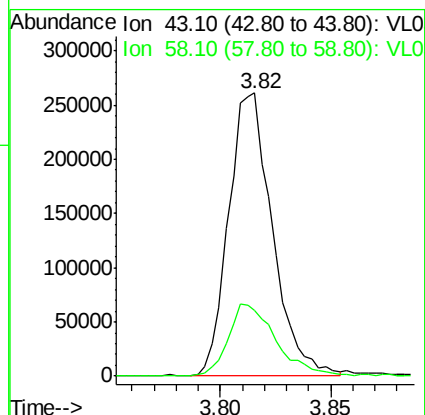
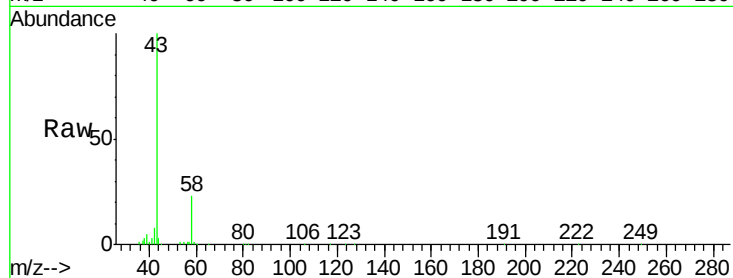
Ion Ratio Lower Upper

43 100

58 28.5 21.8 32.6

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#16

1,3-Butadiene

Concen: 1.980 ppbv

RT: 3.28 min Scan# 154

Delta R.T. 0.00 min

Lab File: VL035097.D

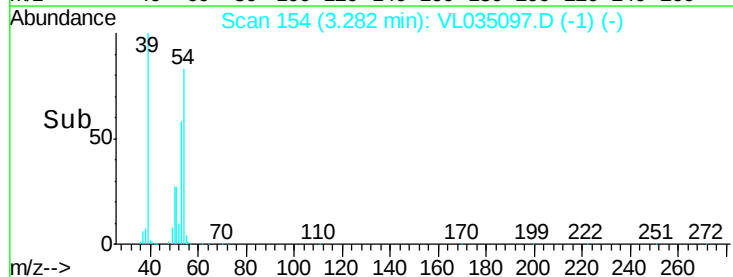
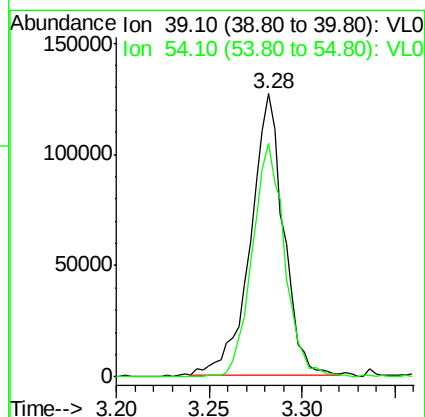
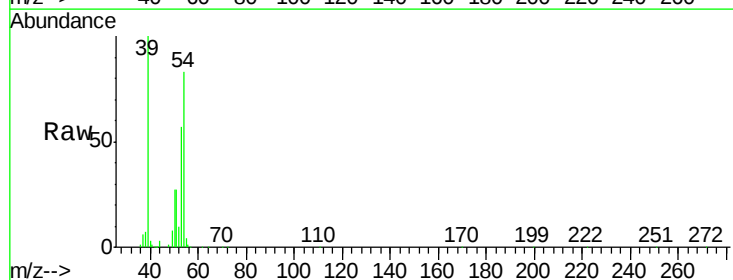
Acq: 19 Jun 2020 16:34

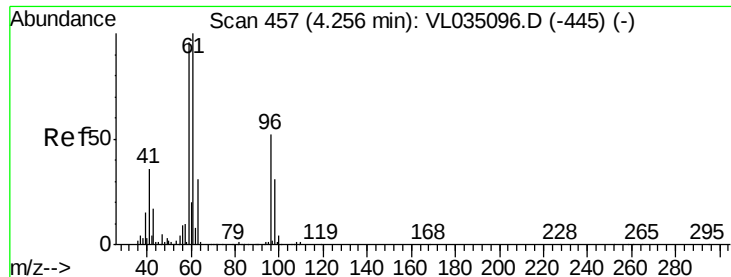
Tgt Ion: 39 Resp: 156227

Ion Ratio Lower Upper

39 100

54 82.3 67.0 100.4





#17

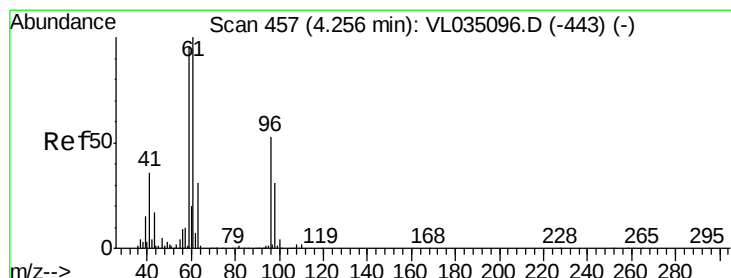
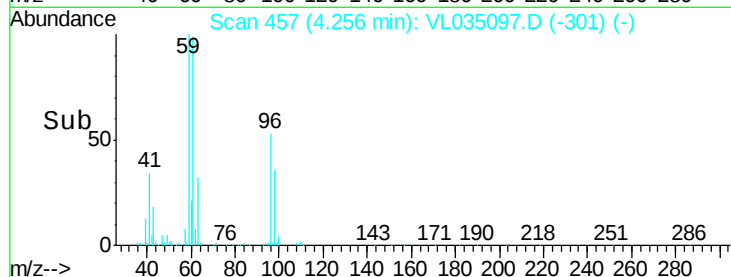
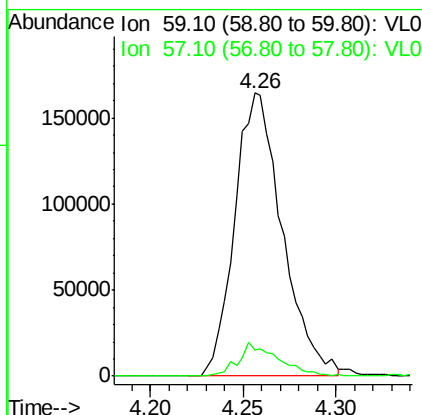
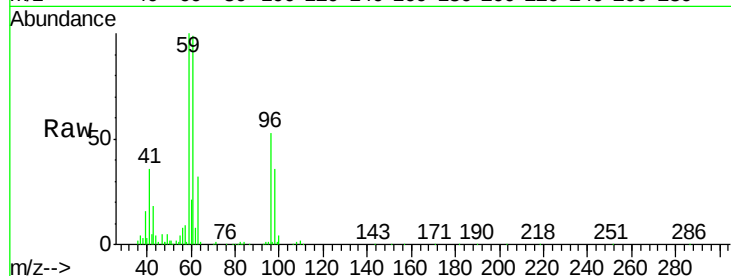
tert-Butyl alcohol
Concen: 1.809 ppbv
RT: 4.26 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	59	Resp	293776
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	12.8

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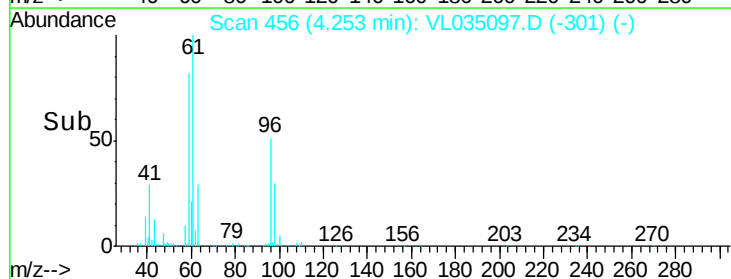
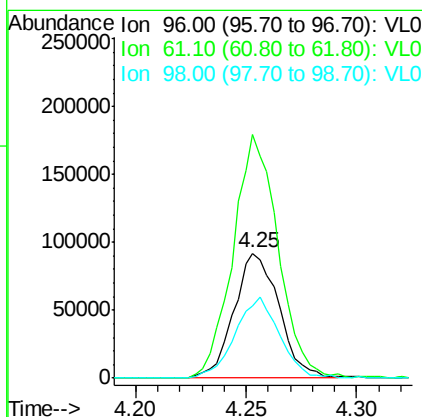
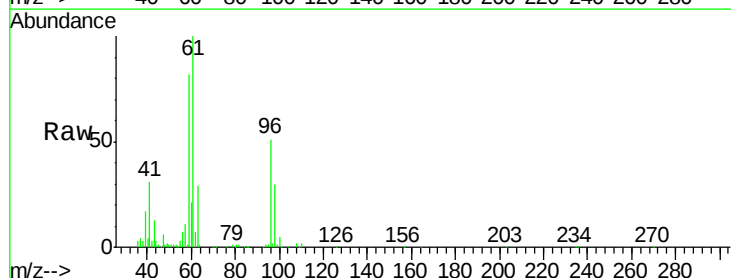
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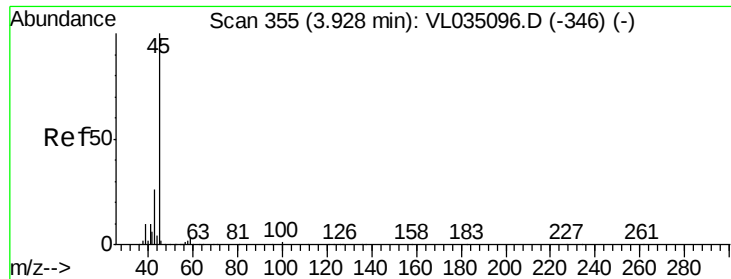


#18

1,1-Dichloroethene
Concen: 2.075 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion	96	Resp	129936
Ion	Ratio	Lower	Upper
96	100		
61	195.6	152.2	228.4
98	58.2	47.7	71.5





#19

Isopropyl Alcohol

Concen: 1.764 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 212721

Ion Ratio Lower Upper

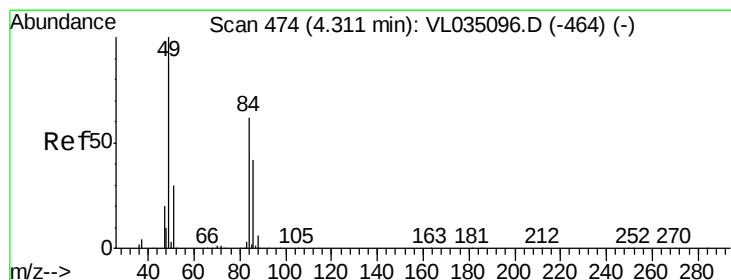
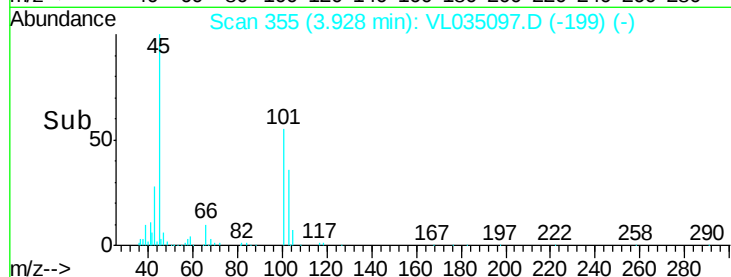
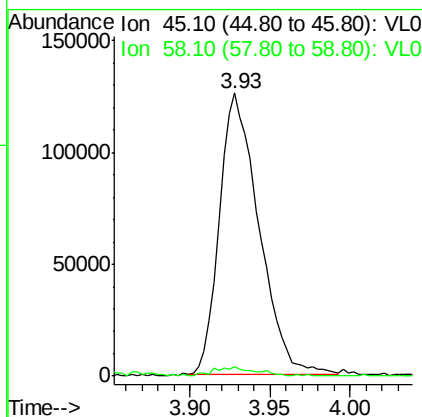
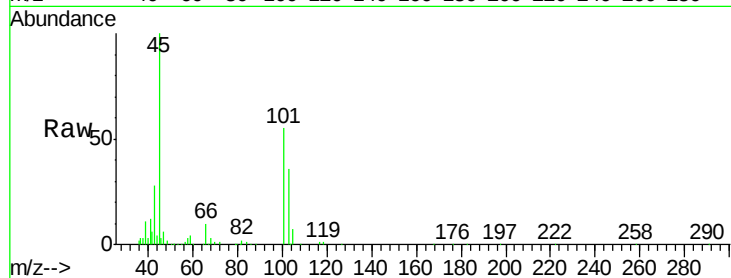
45 100

58 3.7 1.8 2.8#

Manual Integrations
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#20

Methylene Chloride

Concen: 2.481 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Tgt Ion: 84 Resp: 150258

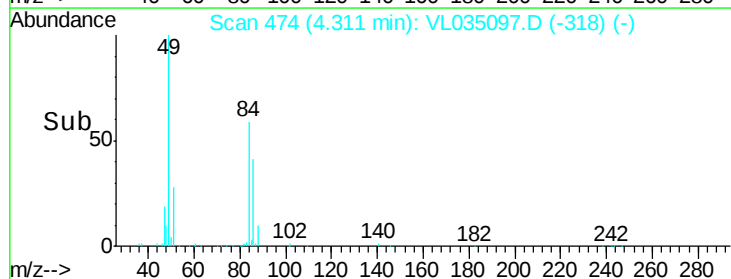
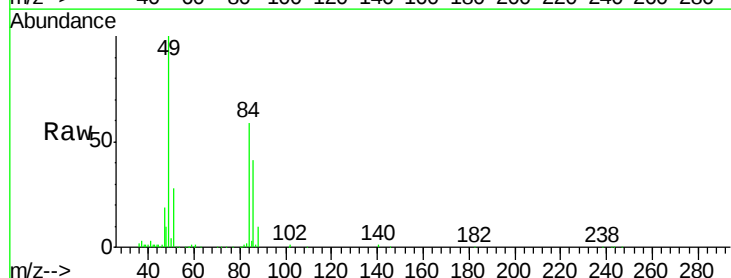
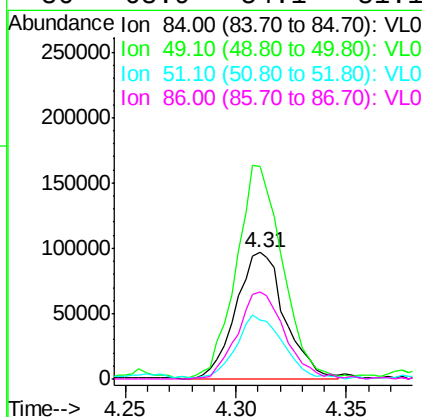
Ion Ratio Lower Upper

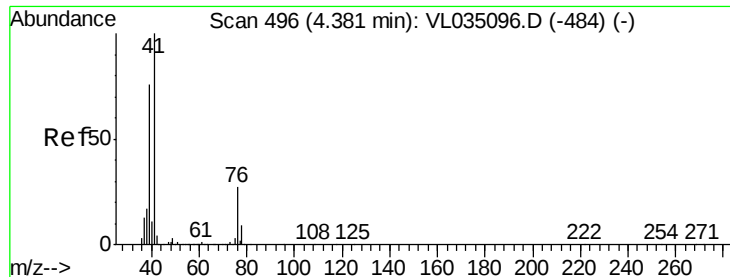
84 100

49 167.7 128.8 193.2

51 45.4 38.7 58.1

86 68.9 54.1 81.1





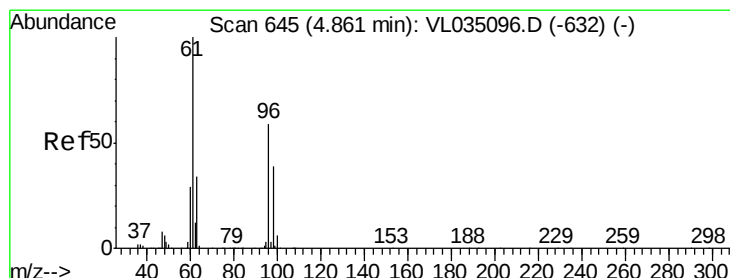
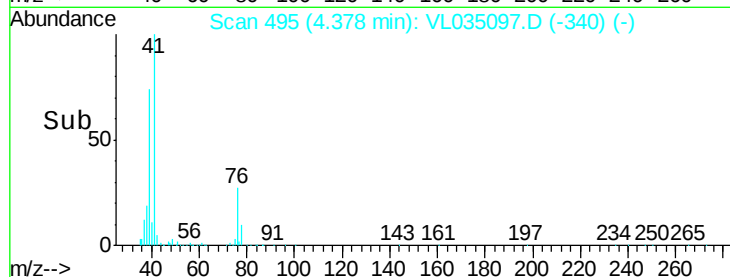
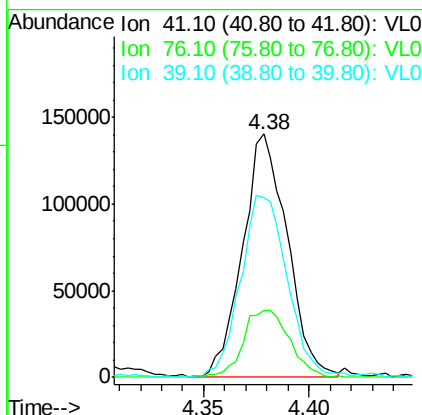
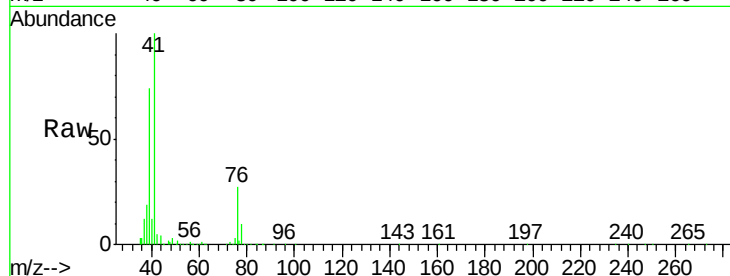
#21
Allvl Chloride
Concen: 1.988 ppbv
RT: 4.38 min Scan# 495
Delta R.T. -0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.1	22.6	34.0
39	78.2	61.6	92.4

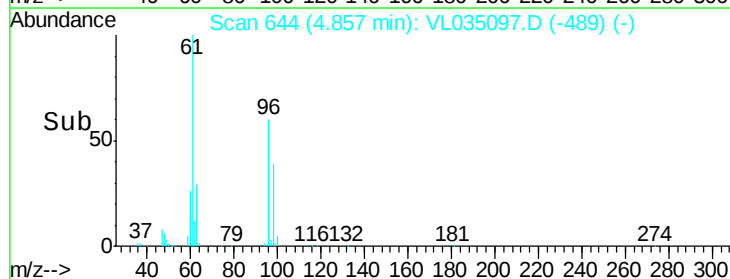
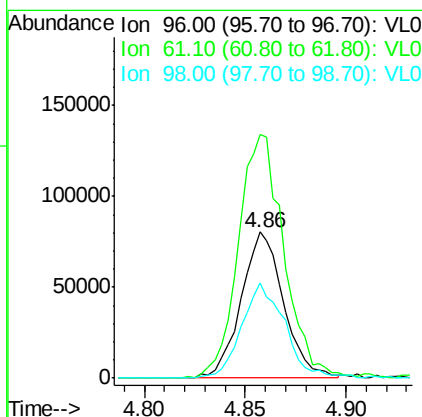
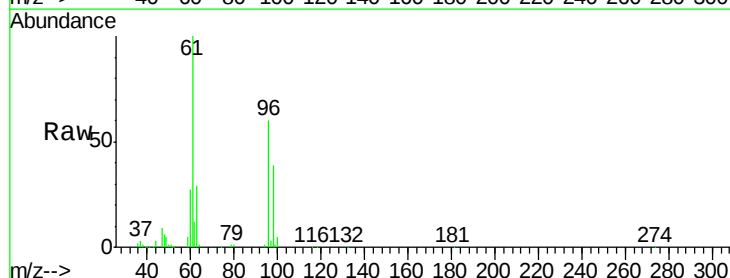
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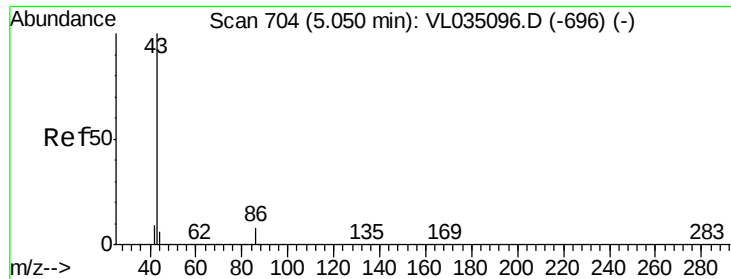
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 1.936 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.9	134.5	201.7
98	64.7	52.6	79.0





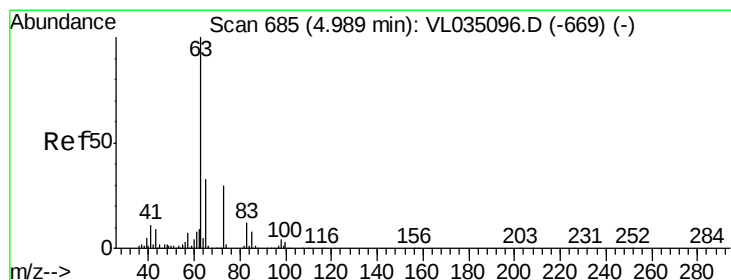
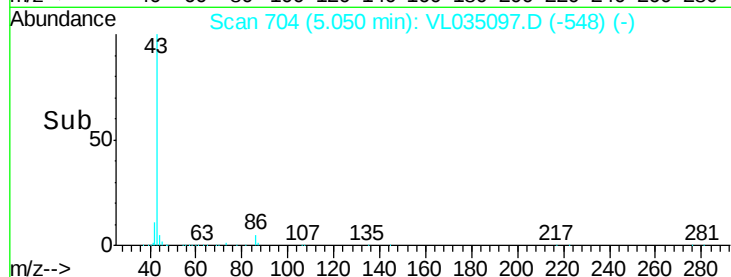
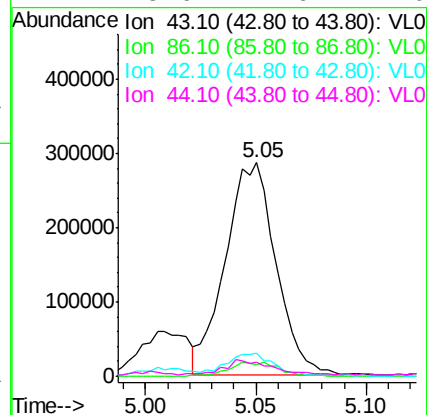
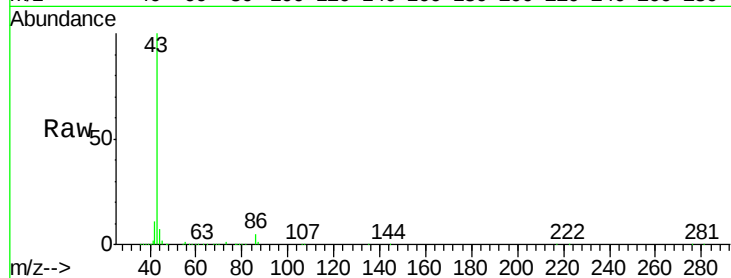
#23
 Vinyl Acetate
 Concen: 1.978 ppbv
 RT: 5.05 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	43	100			
86	86	5.2		6.2	9.2#
42	42	10.1		8.1	12.1
44	44	5.6		4.6	7.0

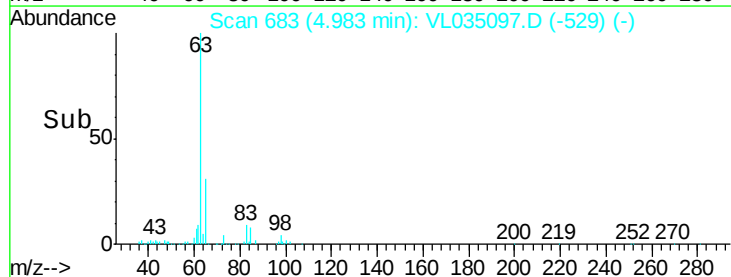
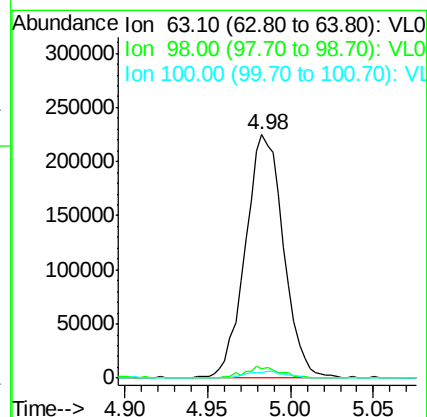
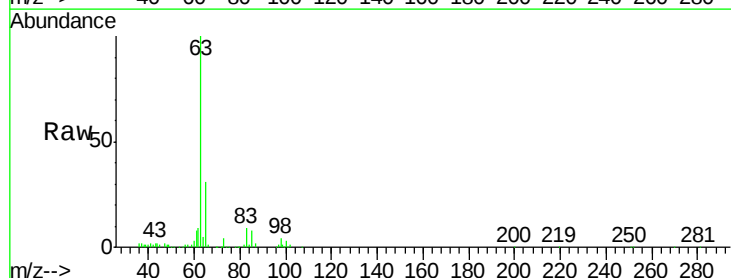
Manual Integrations
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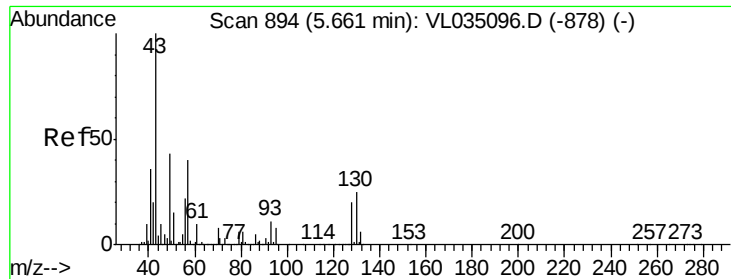
MMDadoda
 6/22/2020 2:08:55 PM



#24
 1,1-Dichloroethane
 Concen: 2.007 ppbv
 RT: 4.98 min Scan# 683
 Delta R.T. -0.01 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	63	100			
98	98	4.5		2.3	6.9
100	100	2.5		1.4	4.0





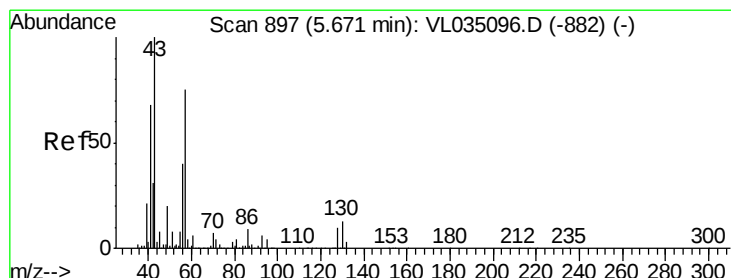
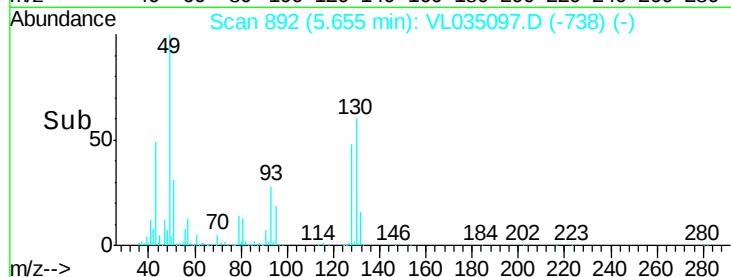
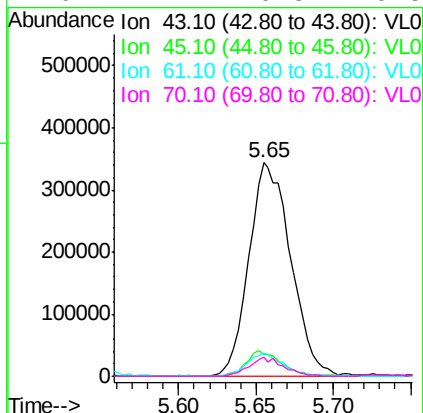
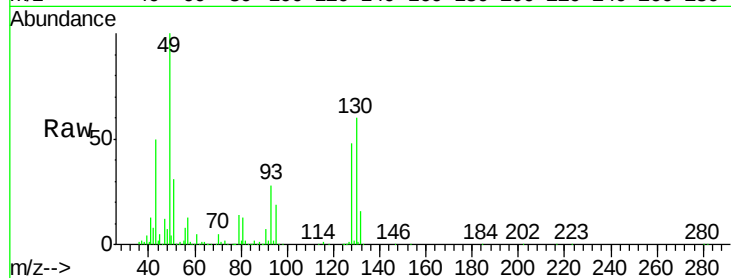
#25
Ethyl Acetate
Concen: 2.104 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.3		8.4	12.6	
61	9.5		8.0	12.0	
70	7.4		6.3	9.5	

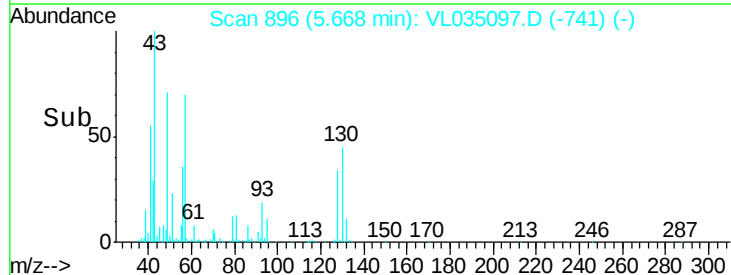
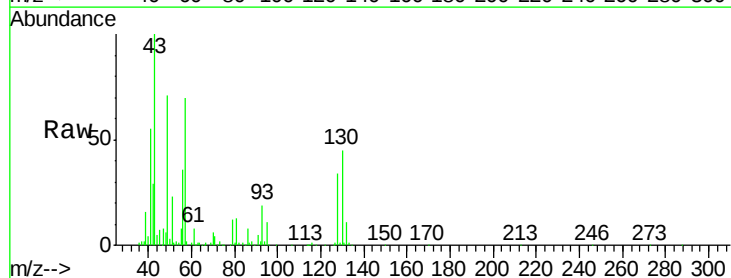
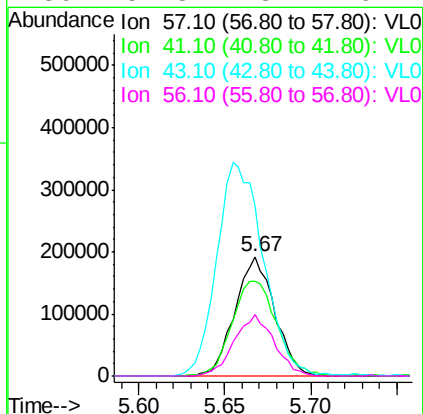
Manual Integrations
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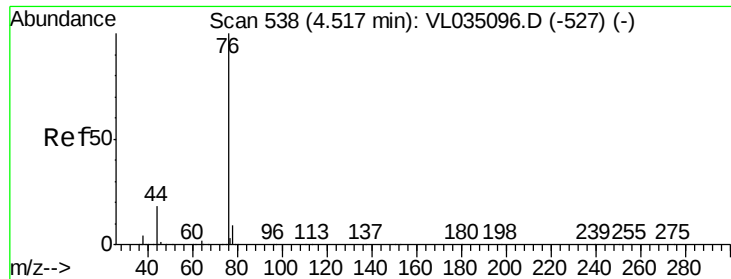
MMDadoda
6/22/2020 2:08:55 PM



#26
Hexane
Concen: 2.301 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	89.9		72.9	109.3	
43	211.9		181.3	271.9	
56	51.8		43.1	64.7	





#27

Carbon Disulfide

Concen: 1.842 ppbv

RT: 4.52 min Scan# 540

Delta R.T. 0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

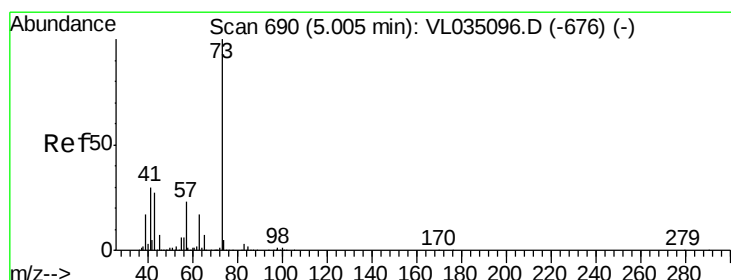
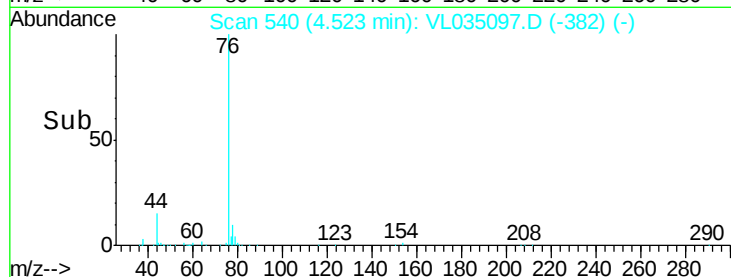
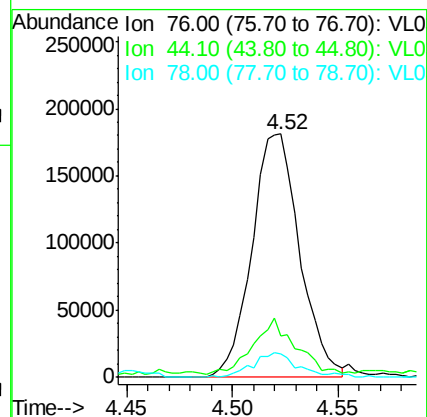
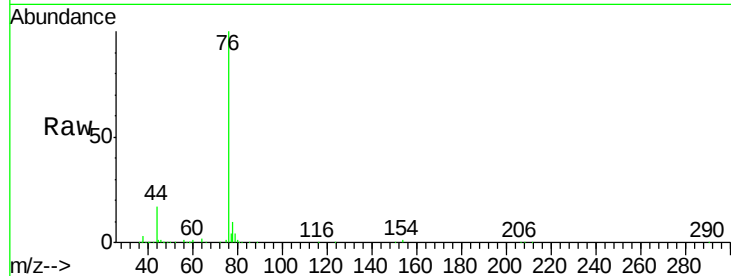
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	286506
Ion Ratio	Lower	Upper	
76	100		
44	21.2	15.8	23.8
78	10.2	7.6	11.4

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 2.050 ppbv

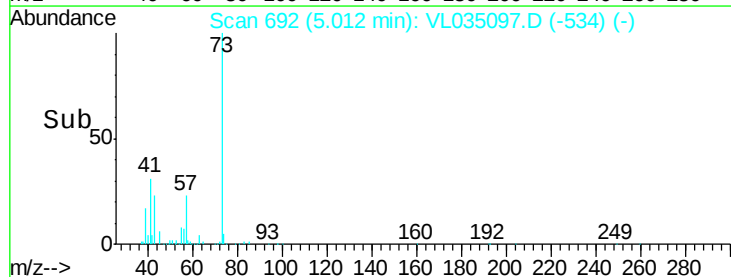
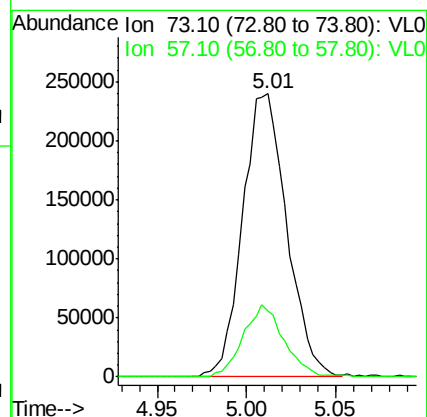
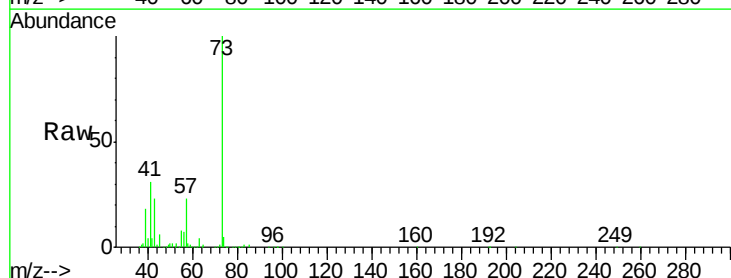
RT: 5.01 min Scan# 692

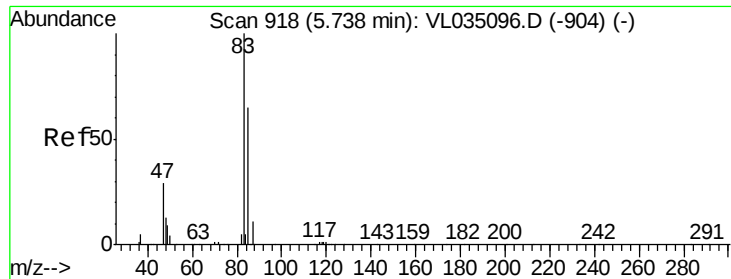
Delta R.T. 0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Tgt Ion:	73	Resp:	415041
Ion Ratio	Lower	Upper	
73	100		
57	23.6	18.5	27.7





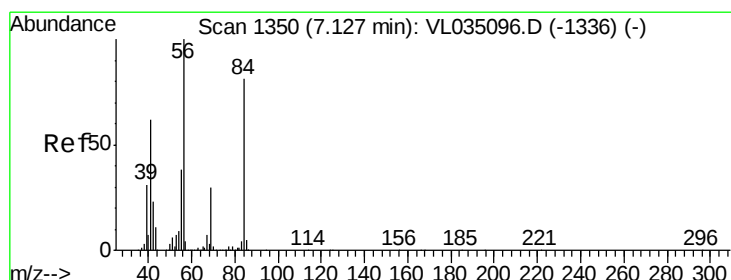
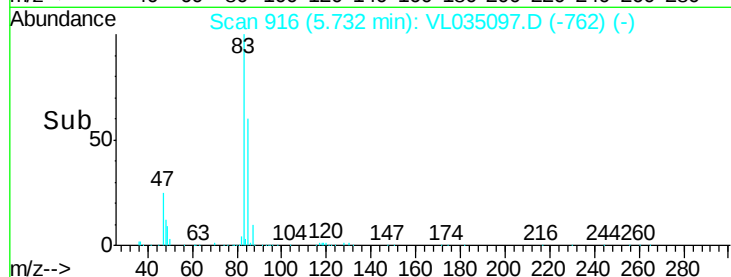
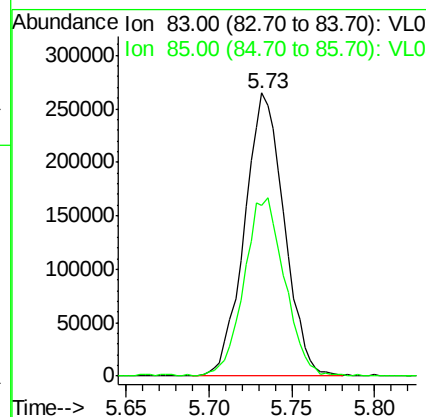
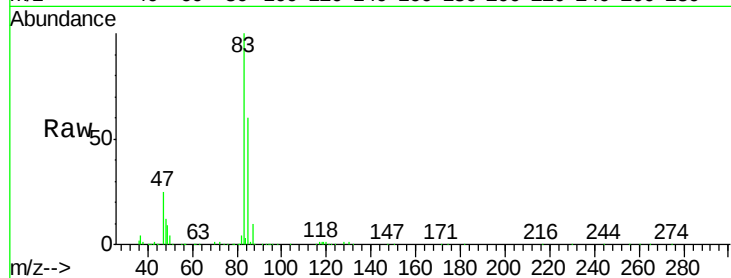
#29
Chloroform
Concen: 2.013 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.01 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	440456
Ion Ratio	Lower	Upper	
83	100		
85	60.0	52.1	78.1

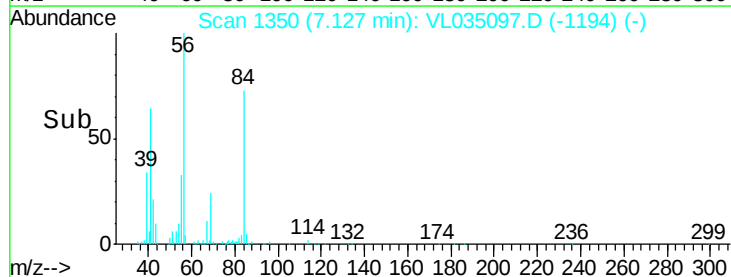
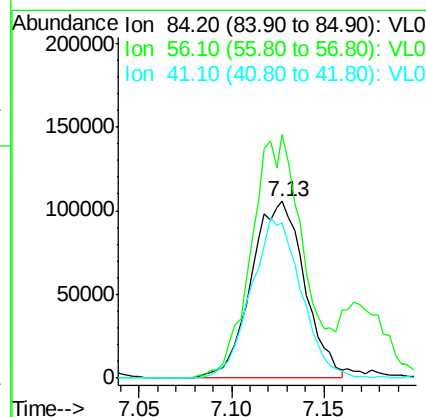
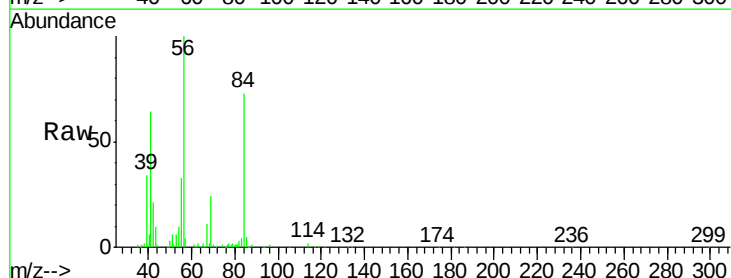
Manual Integrations
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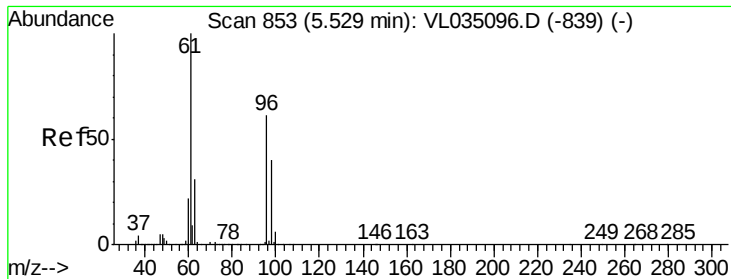
MMDadoda
6/22/2020 2:08:55 PM



#30
Cyclohexane
Concen: 2.032 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion	84	Resp	210132
Ion Ratio	Lower	Upper	
84	100		
56	132.3	108.0	162.0
41	86.0	65.6	98.4





#31

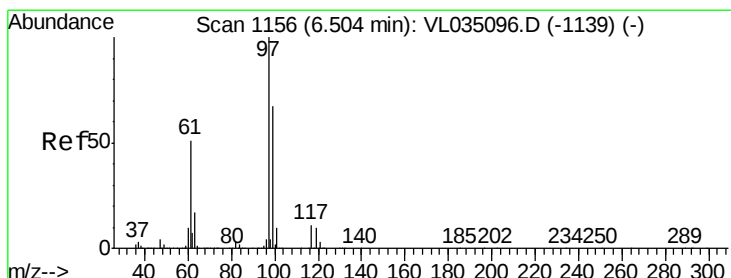
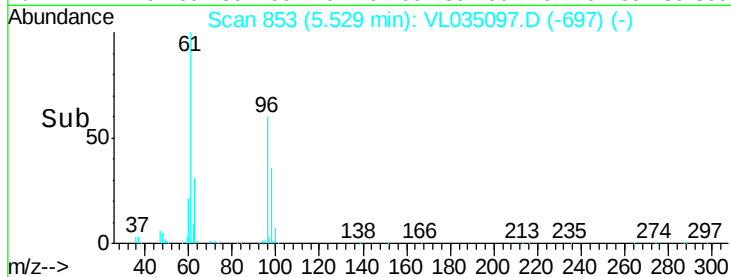
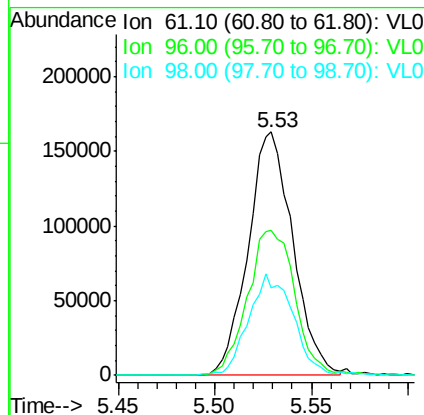
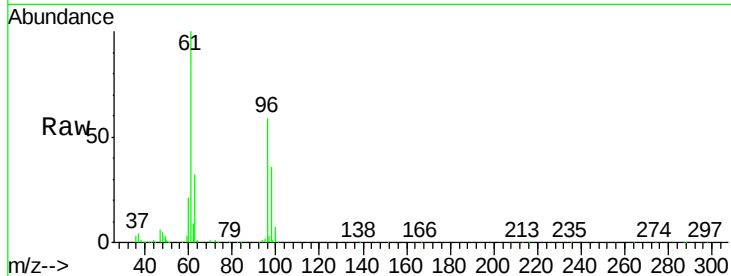
cis-1,2-Dichloroethene
Concen: 2.017 ppbv
RT: 5.53 min Scan# 853
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.4	48.8	73.2
98	35.9	31.9	47.9

Manual Integrations
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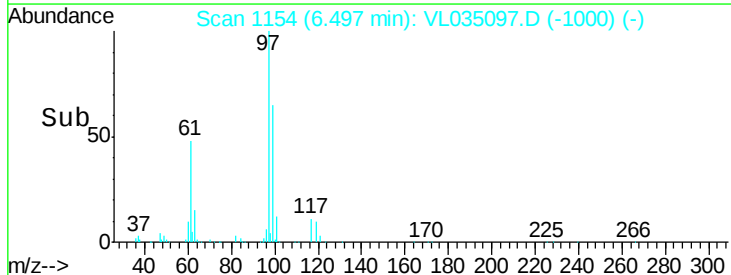
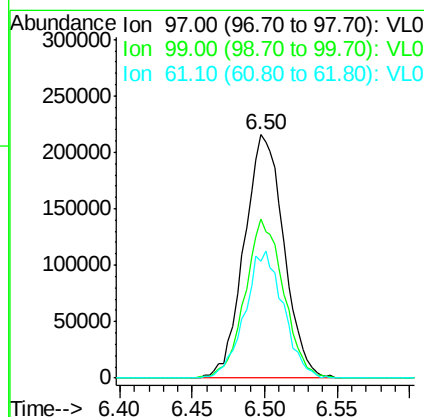
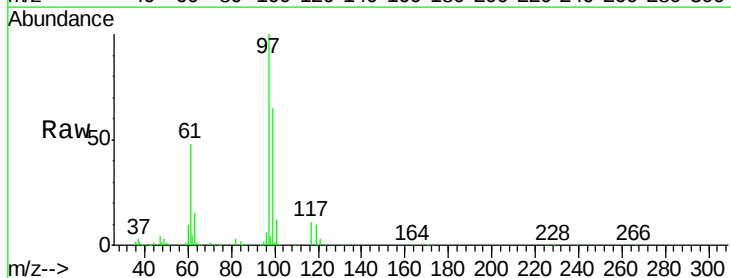
MMDadoda
6/22/2020 2:08:55 PM

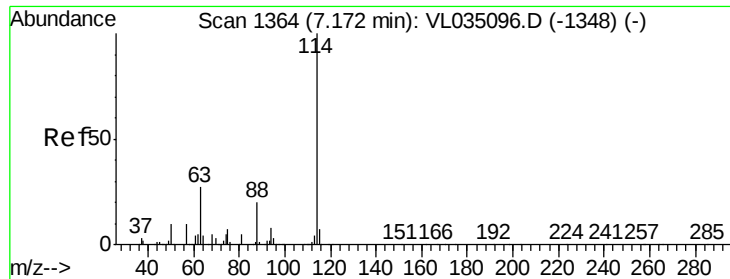


#32

1,1,1-Trichloroethane
Concen: 2.075 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.0	78.0
61	50.9	41.0	61.6





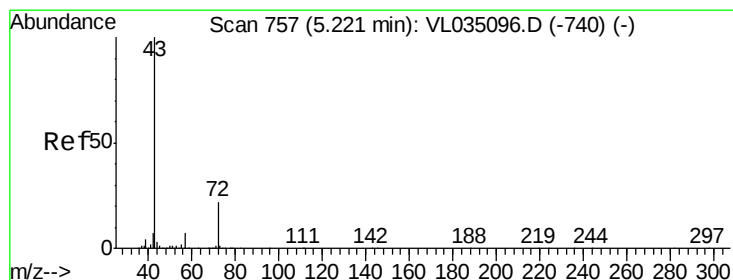
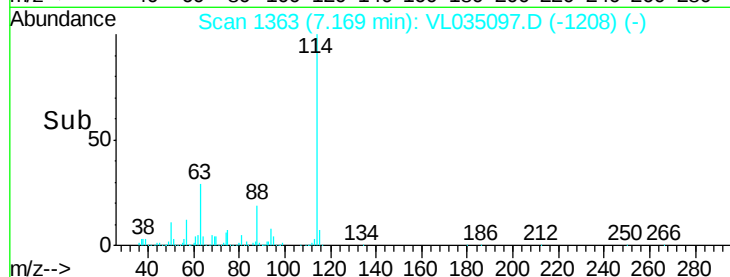
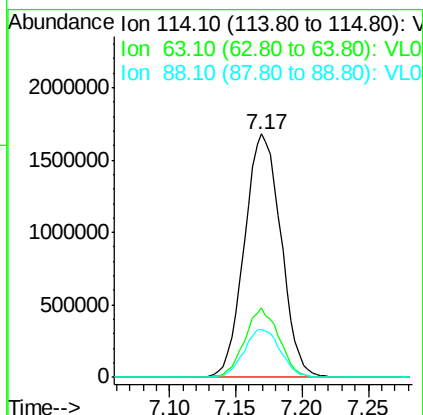
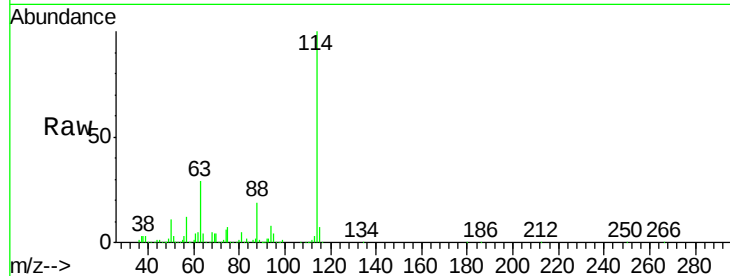
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:114 Resp: 3214989
 Ion Ratio Lower Upper
 114 100
 63 27.0 21.9 32.9
 88 19.7 15.6 23.4

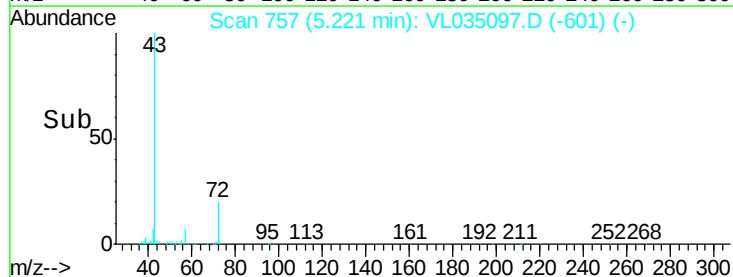
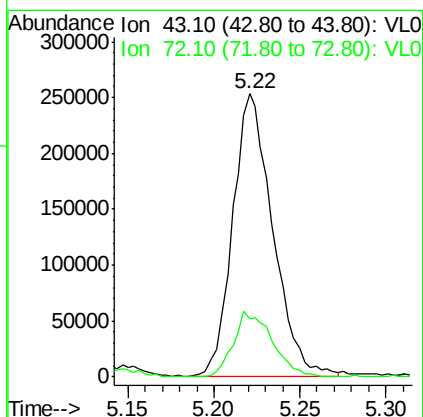
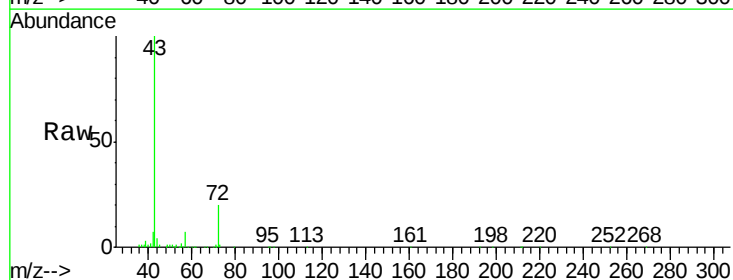
Manual Integrations
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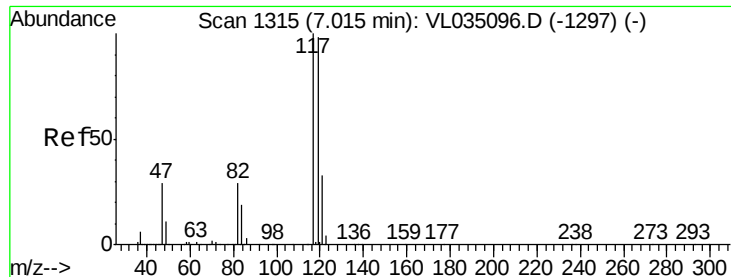
MMDadoda
 6/22/2020 2:08:55 PM



#34
 2-Butanone
 Concen: 2.053 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Tgt Ion: 43 Resp: 407347
 Ion Ratio Lower Upper
 43 100
 72 22.6 18.3 27.5





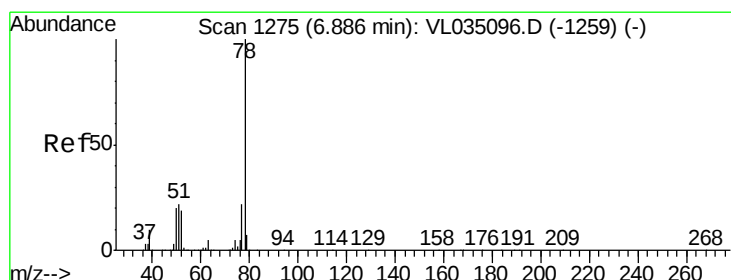
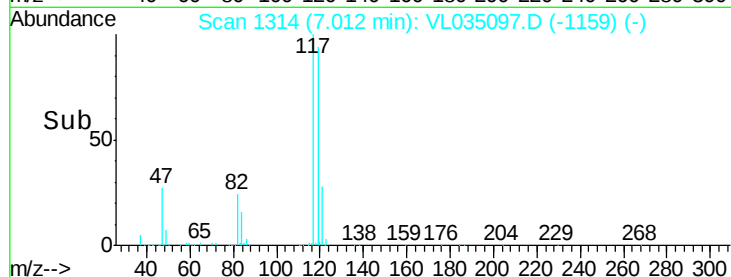
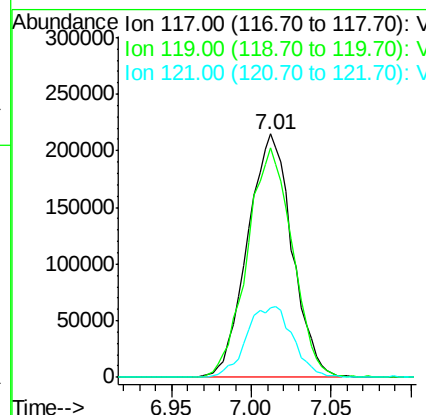
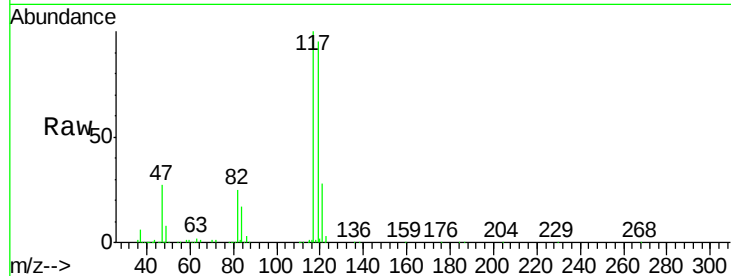
#35
Carbon Tetrachloride
Concen: 2.019 ppbv
RT: 7.01 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.3	117.5
121	28.5	26.0	39.0

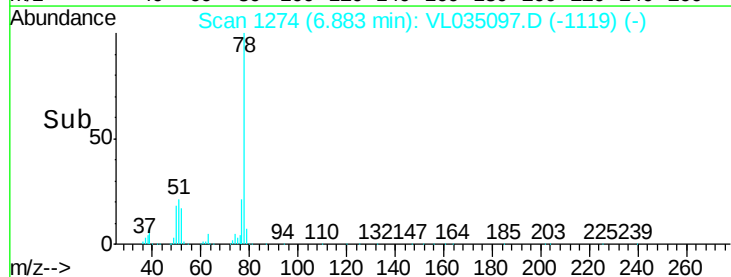
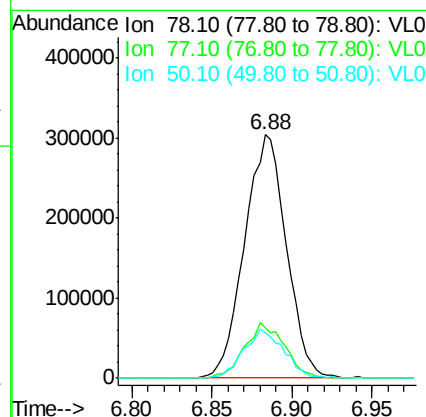
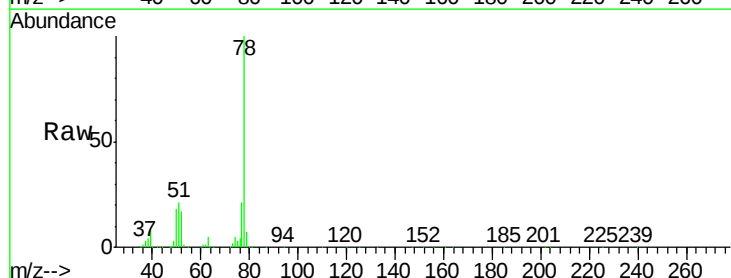
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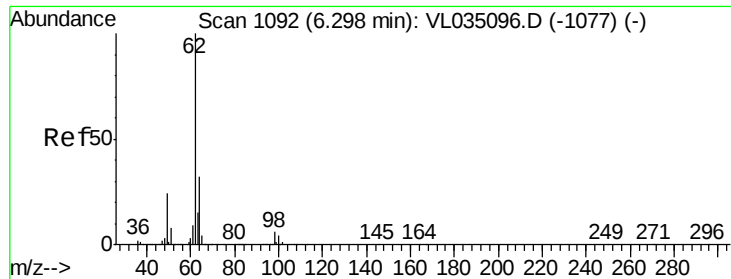
MMDadoda
6/22/2020 2:08:55 PM



#36
Benzene
Concen: 2.051 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.6	17.8	26.6
50	18.3	16.2	24.2





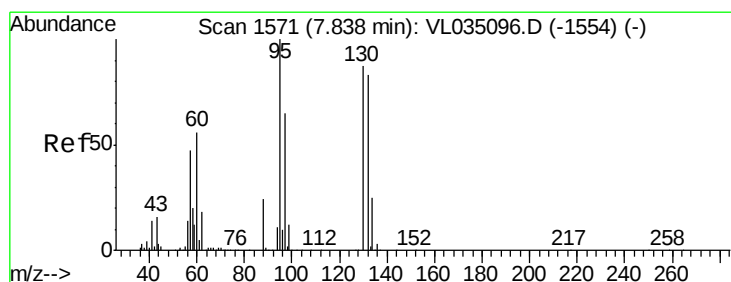
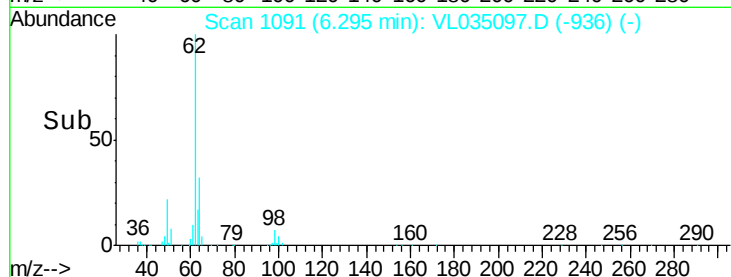
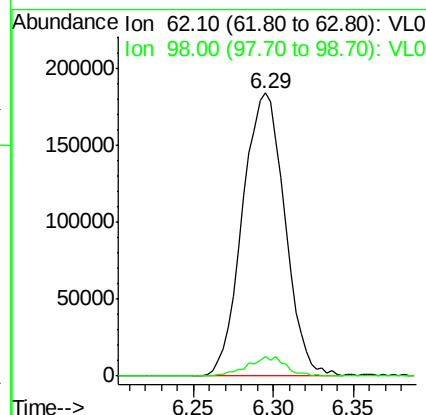
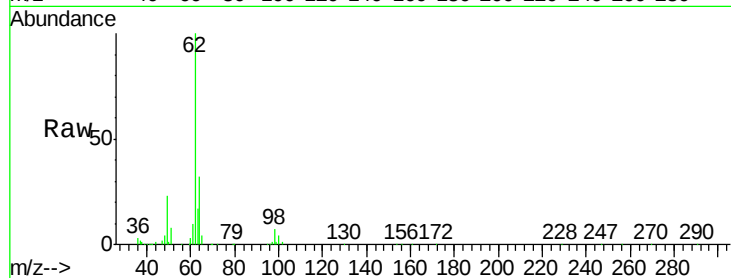
#37
 1,2-Dichloroethane
 Concen: 2.025 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.4	4.8	7.2

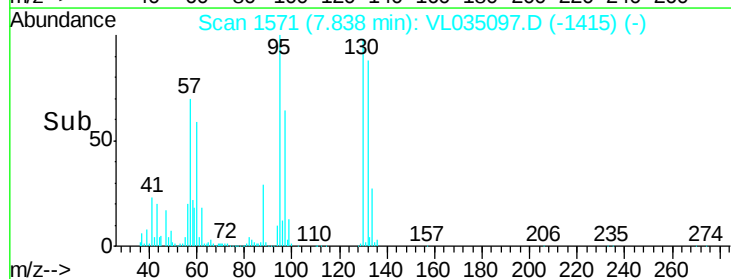
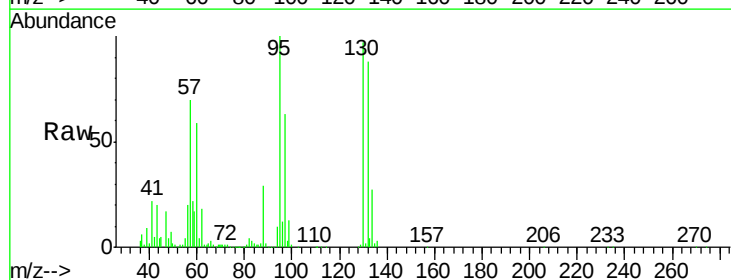
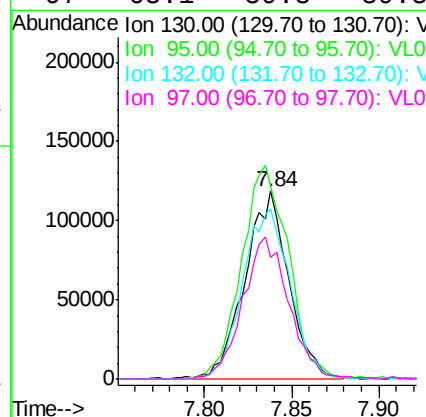
Manual Integrations
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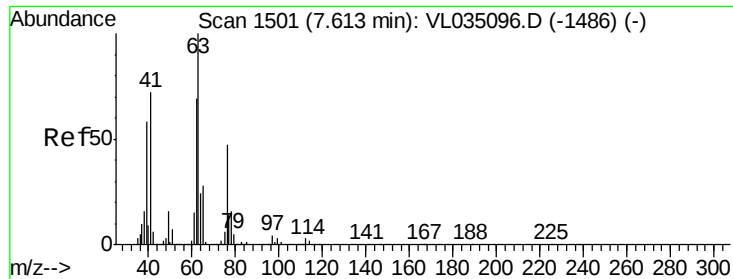
MMDadoda
 6/22/2020 2:08:55 PM



#38
 Trichloroethene
 Concen: 2.005 ppbv m
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	91.4	137.2
132	90.6	75.8	113.6
97	65.1	59.8	89.8





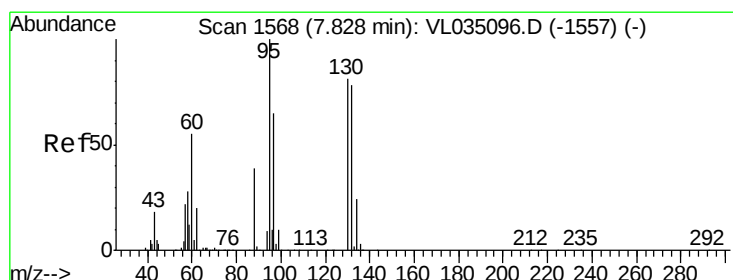
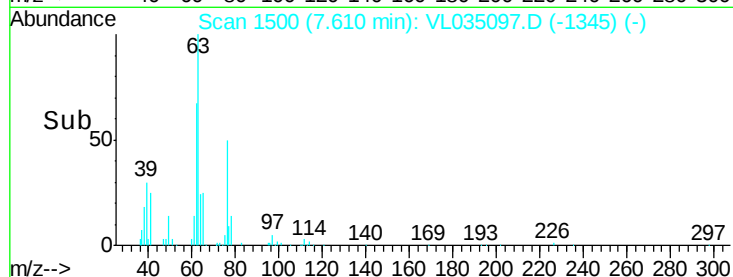
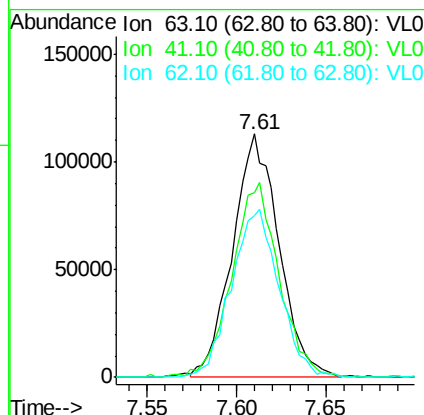
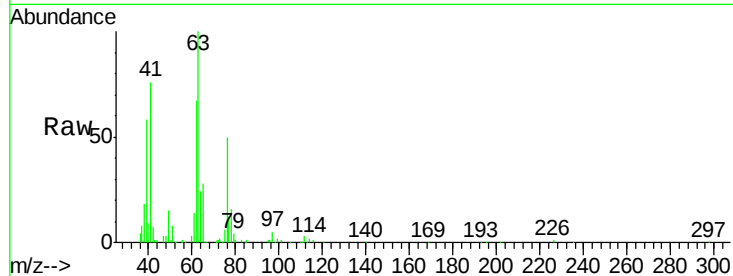
#39
 1,2-Dichloropropane
 Concen: 1.924 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. -0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	63	Resp	203928
Ion	Ratio	Lower	Upper
63	100		
41	74.8	58.0	87.0
62	66.4	55.4	83.0

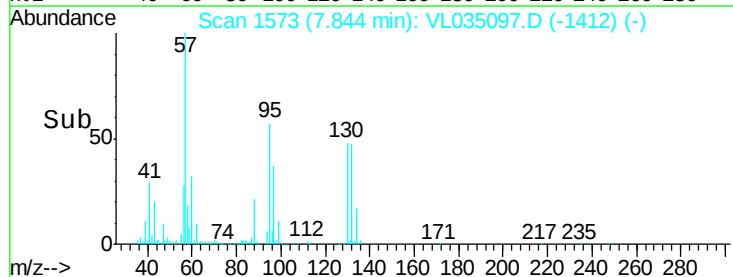
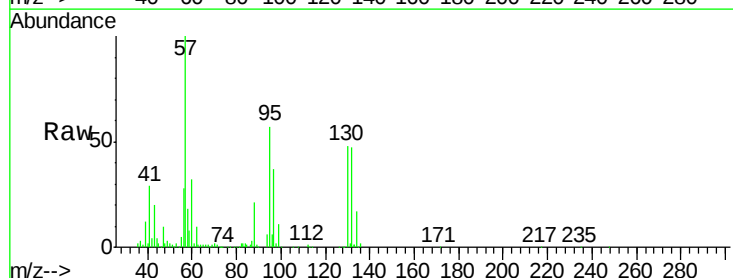
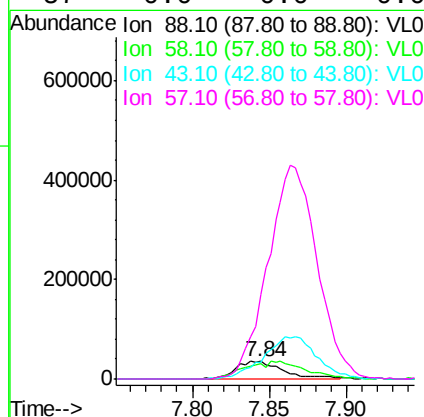
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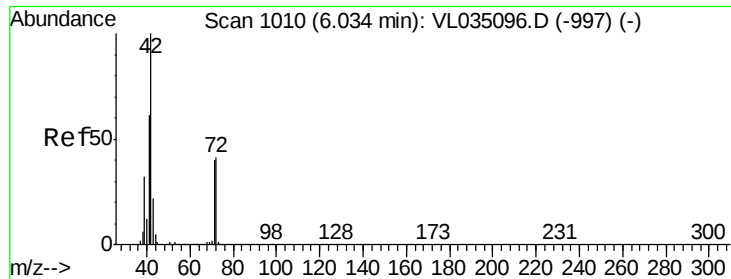
MMDadoda
 6/22/2020 2:08:55 PM



#40
 1,4-Dioxane
 Concen: 1.827 ppbv m
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.02 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Tgt Ion	88	Resp	77175
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





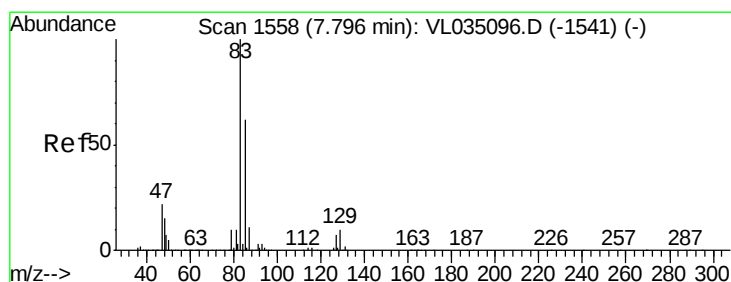
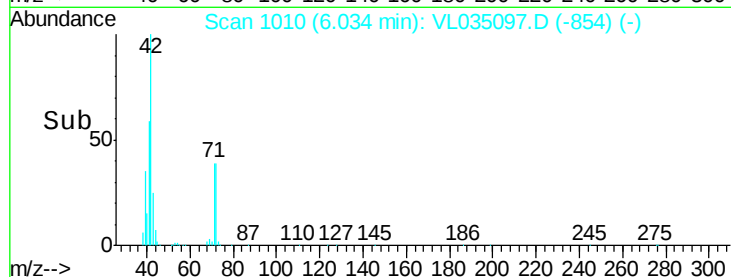
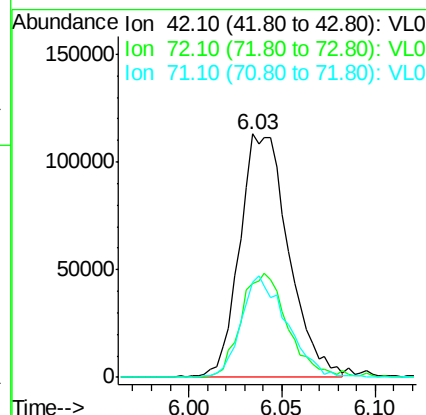
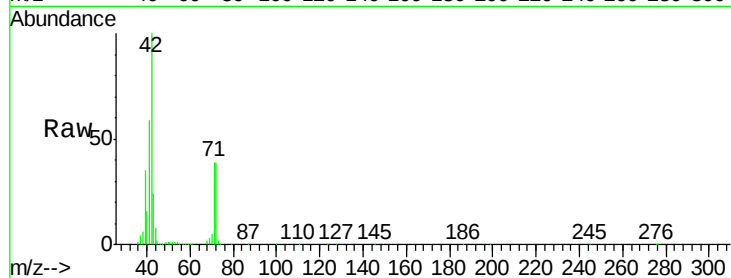
#41
Tetrahydrofuran
Concen: 1.980 ppbv m
RT: 6.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.4	50.2#
71	0.0	31.8	47.6#

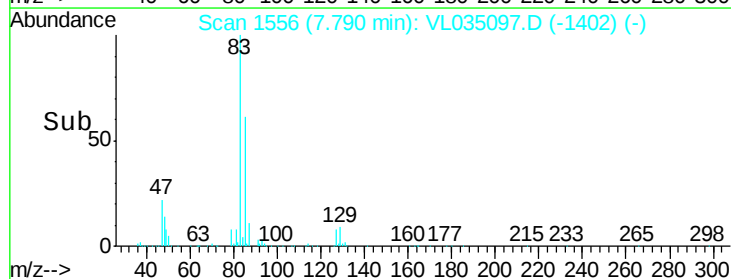
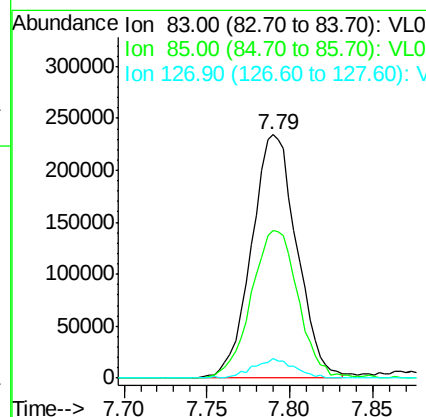
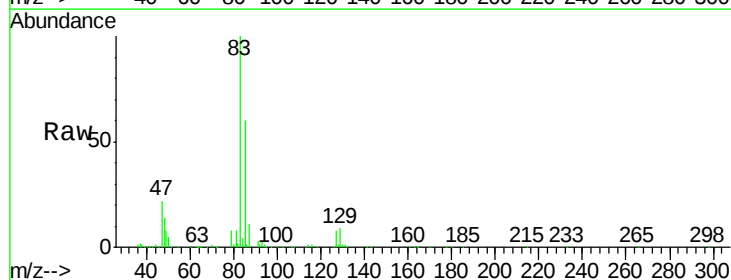
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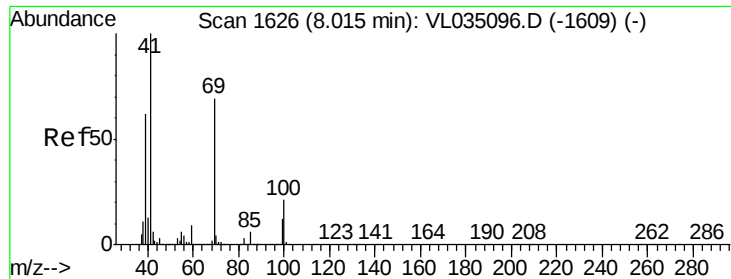
MMDadoda
6/22/2020 2:08:55 PM



#42
Bromodichloromethane
Concen: 2.014 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.5	49.4	74.0
127	7.9	5.9	8.9





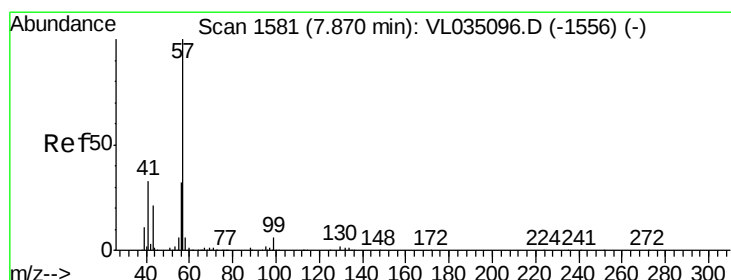
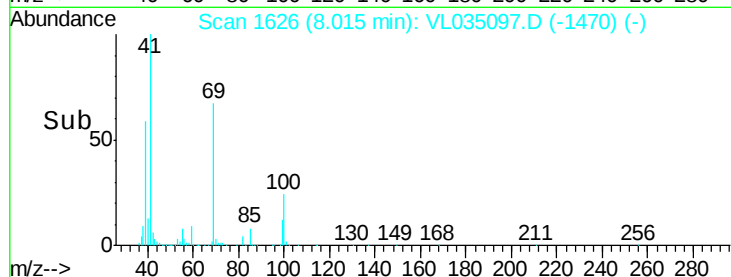
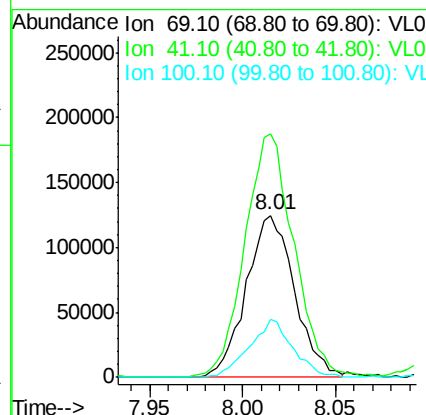
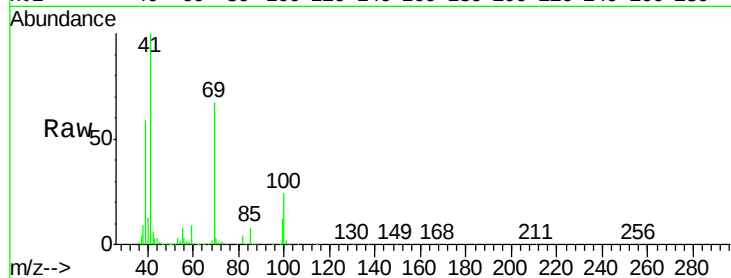
#43
Methvl Methacrylate
Concen: 2.020 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	152.7	116.4	174.6
100	32.2	25.3	37.9

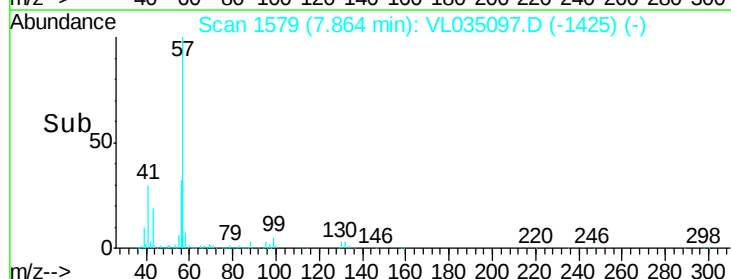
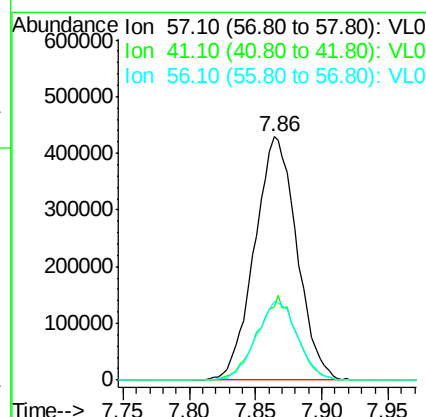
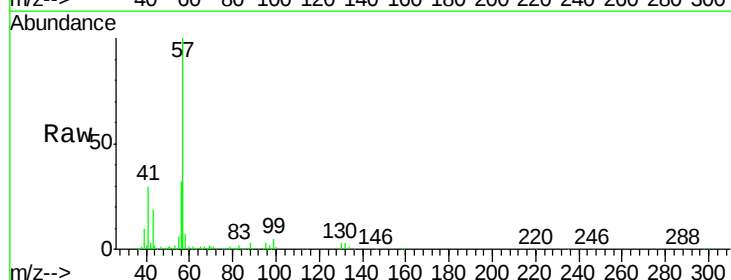
Manual Integrations
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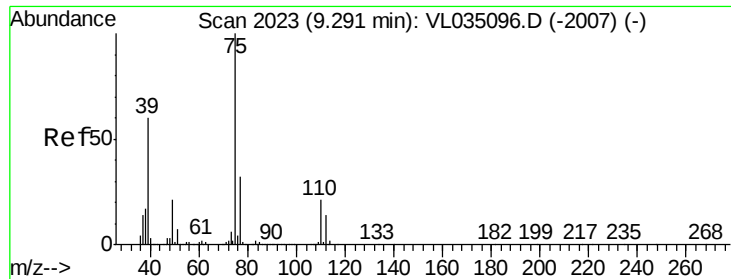
MMDadoda
6/22/2020 2:08:55 PM



#44
2,2,4-Trimethylpentane
Concen: 2.033 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.4	26.2	39.2
56	31.7	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 1.917 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 214892

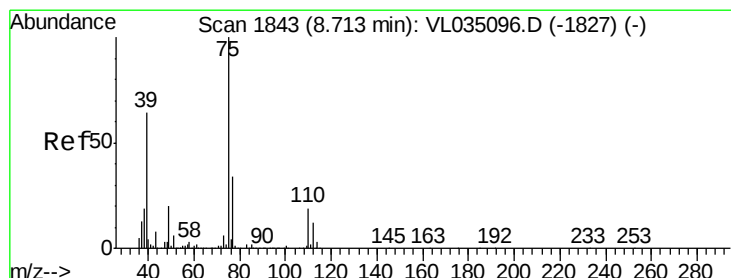
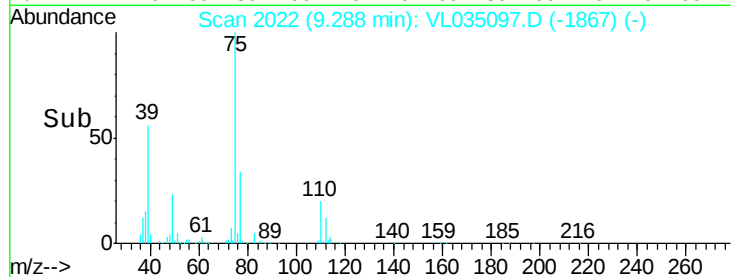
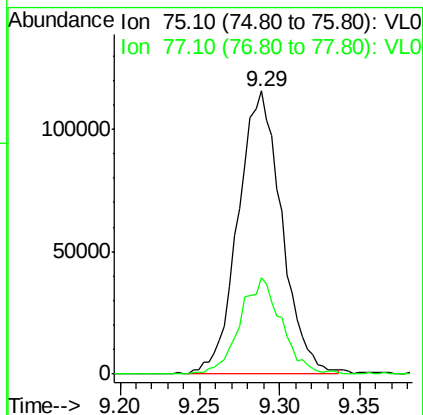
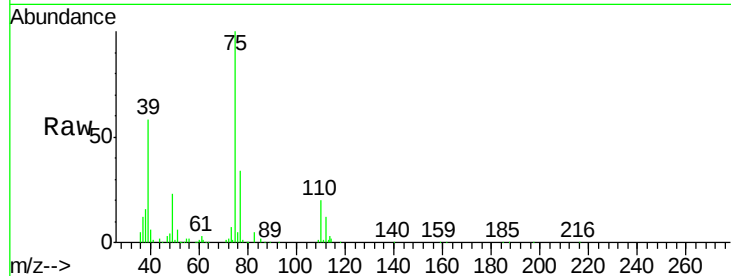
Ion Ratio Lower Upper

75 100

77 34.3 25.5 38.3

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#46

cis-1,3-Dichloropropene

Concen: 1.961 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

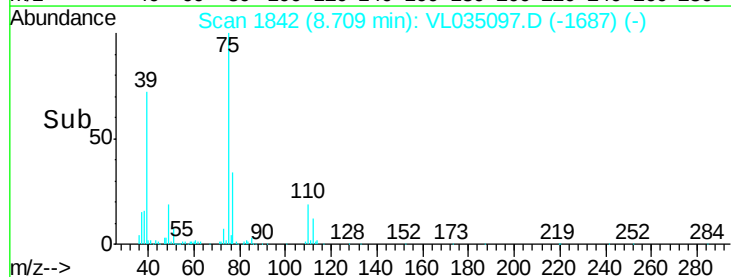
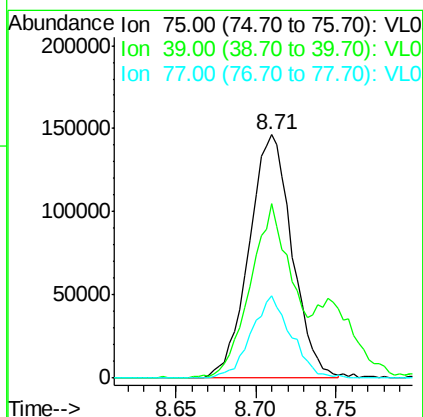
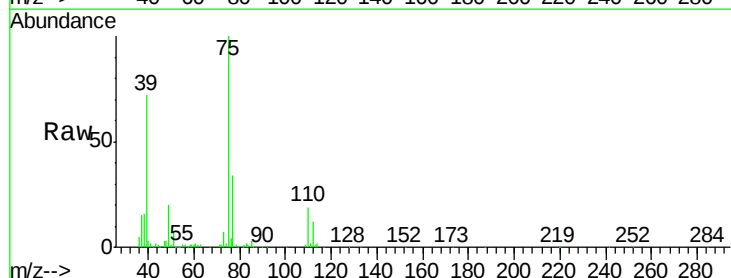
Tgt Ion: 75 Resp: 270322

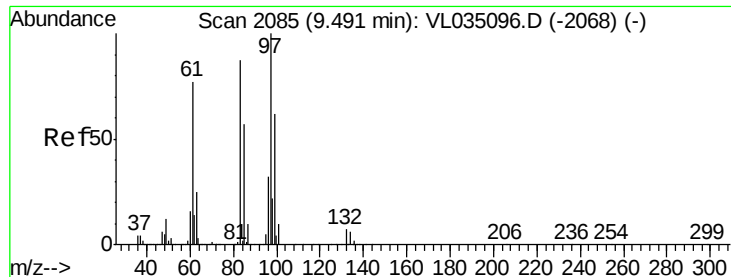
Ion Ratio Lower Upper

75 100

39 71.8 51.1 76.7

77 33.9 26.9 40.3





#47

1,1,2-Trichloroethane

Concen: 2.002 ppbv

RT: 9.48 min Scan# 2083

Delta R.T. -0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 97 Resp: 224792

Ion Ratio Lower Upper

97 100

83 80.3 69.5 104.3

85 54.2 46.0 69.0

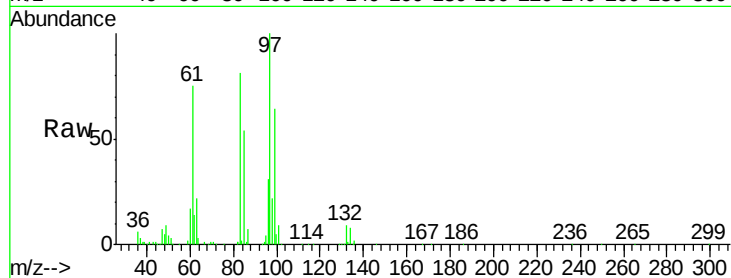
99 63.9 49.6 74.4

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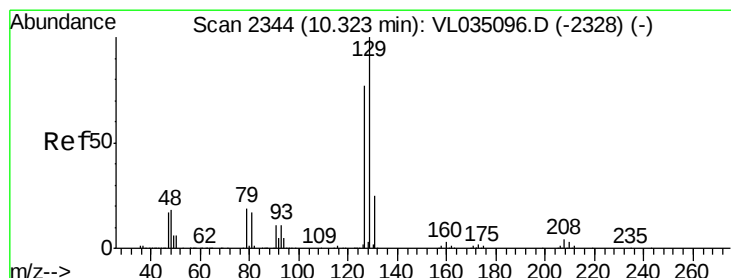
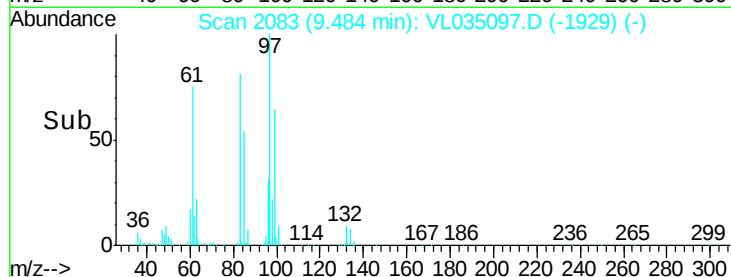
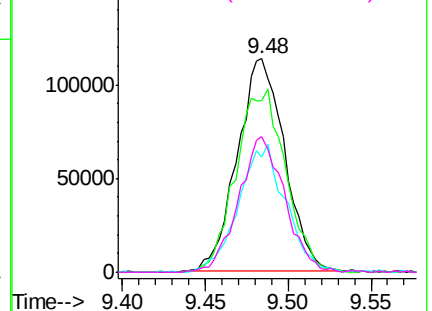


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 1.992 ppbv

RT: 10.32 min Scan# 2342

Delta R.T. -0.01 min

Lab File: VL035097.D

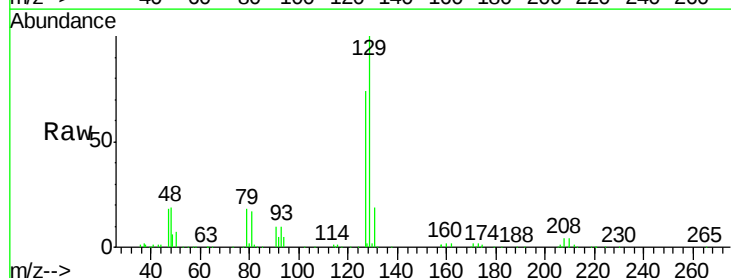
Acq: 19 Jun 2020 16:34

Tgt Ion: 129 Resp: 343259

Ion Ratio Lower Upper

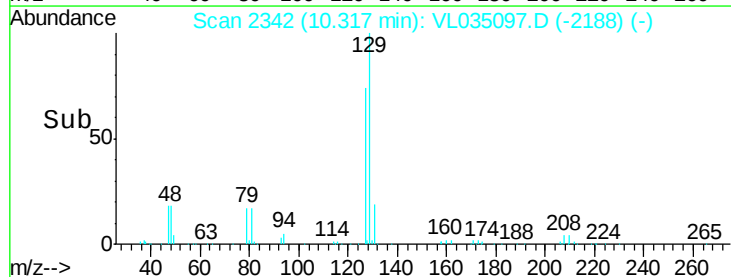
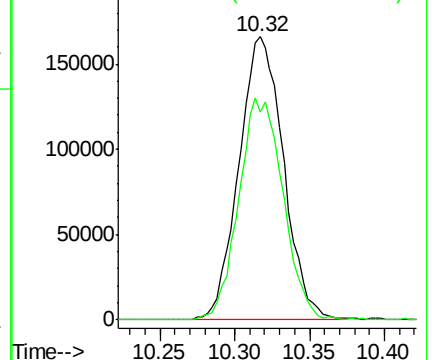
129 100

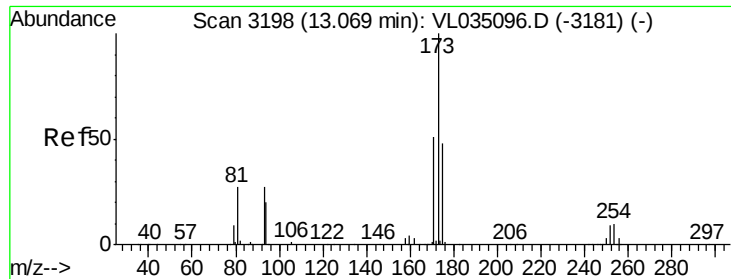
127 78.0 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





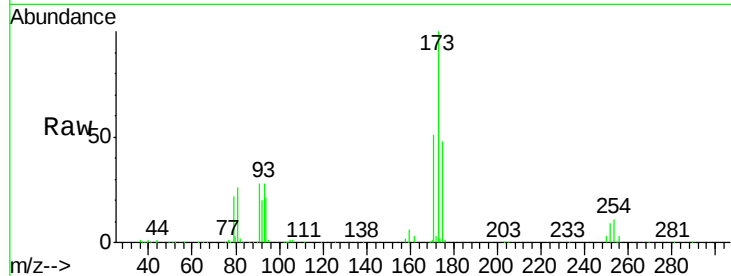
#49
Bromoform
Concen: 1.976 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

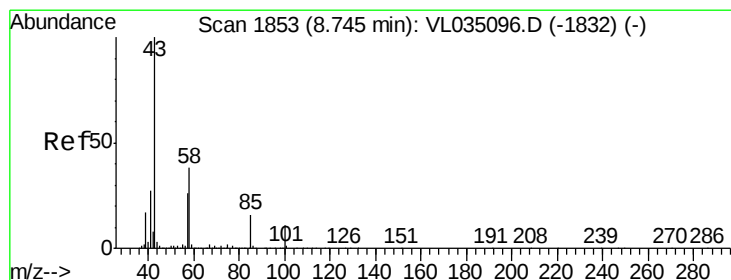
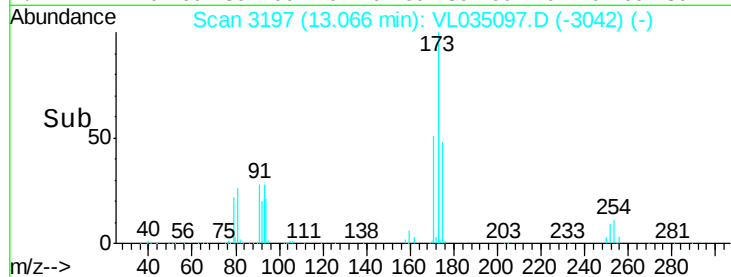
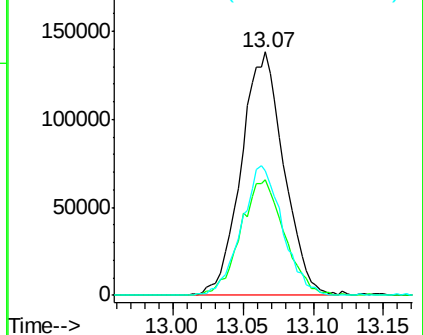
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.1	58.7
171	51.3	41.7	62.5

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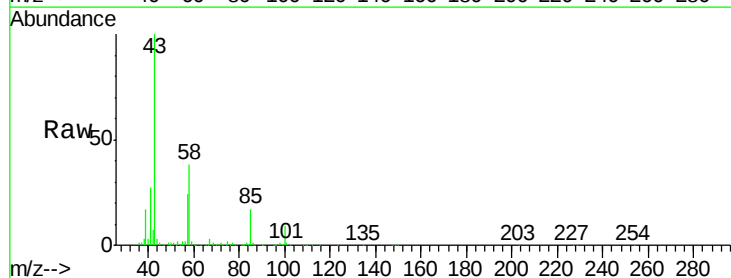


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

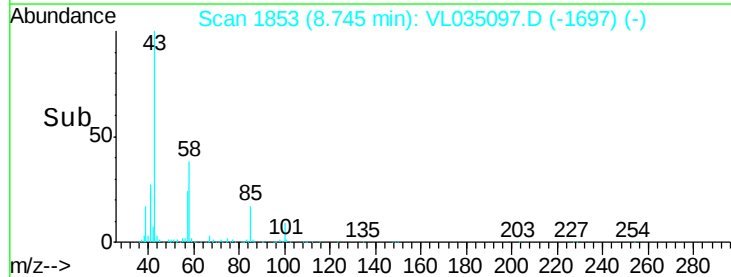
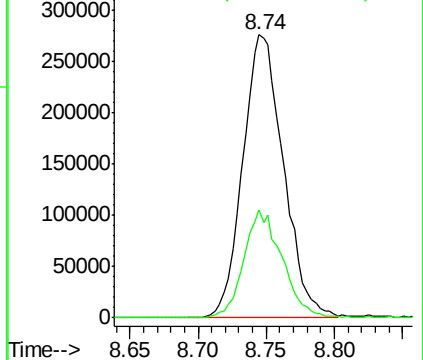


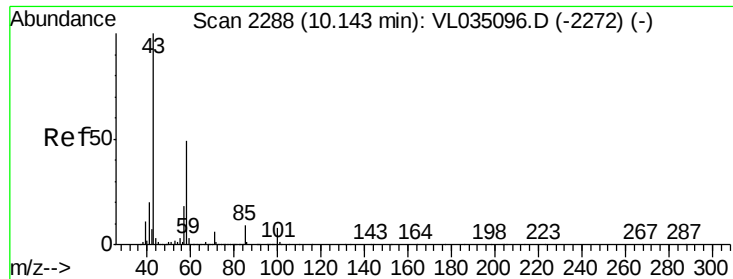
#50
4-Methyl-2-Pentanone
Concen: 2.025 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.9	29.4	44.0



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





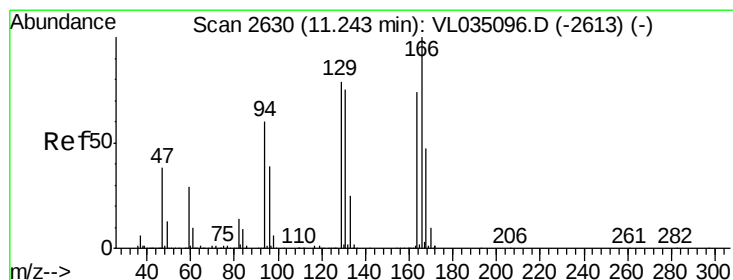
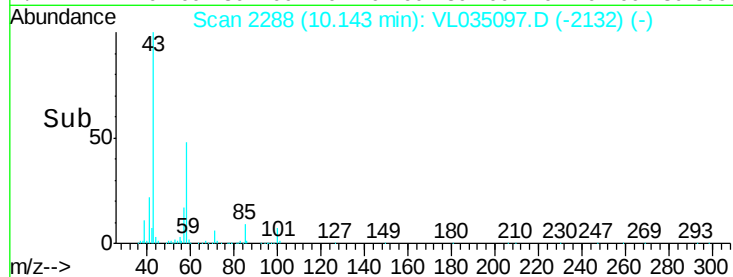
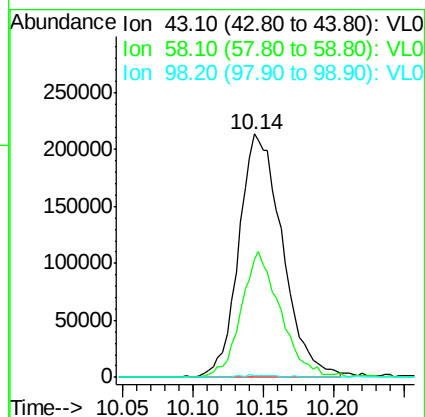
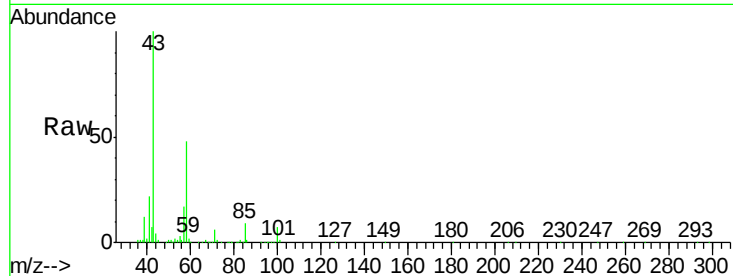
#51
2-Hexanone
Concen: 2.095 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.2	39.2	58.8
98	0.9	0.3	0.5#

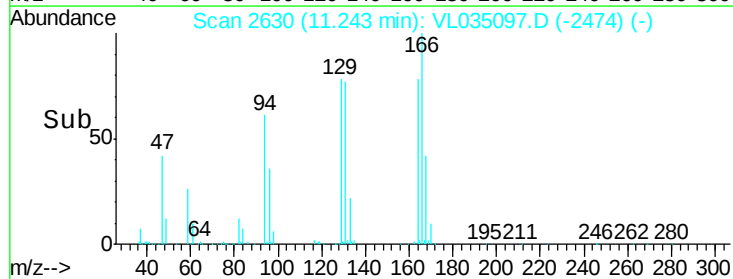
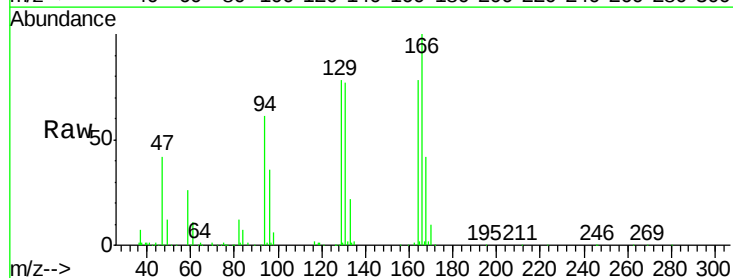
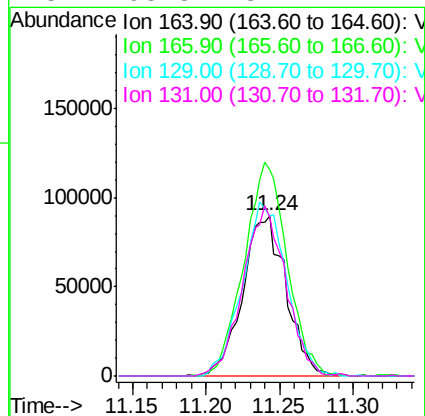
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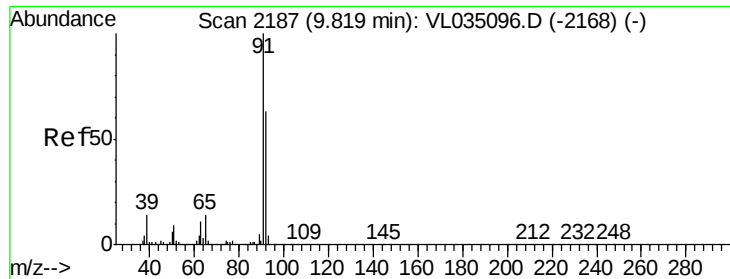
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#52
Tetrachloroethene
Concen: 1.956 ppbv m
RT: 11.24 min Scan# 2630
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	107.5	161.3
129	99.8	84.9	127.3
131	98.8	81.1	121.7





#53

Toluene

Concen: 2.110 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 592290

Ion Ratio Lower Upper

91 100

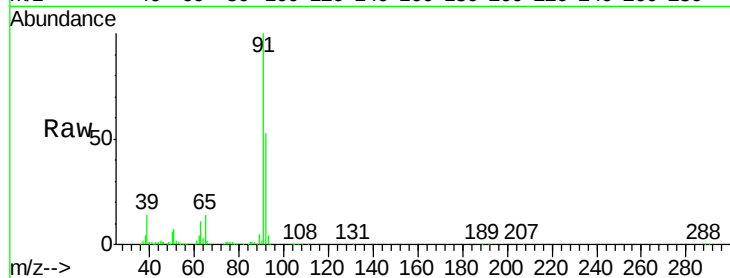
92 60.6 49.0 73.6

Manual Integrations

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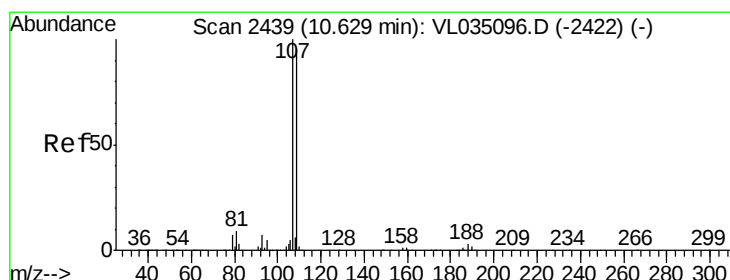
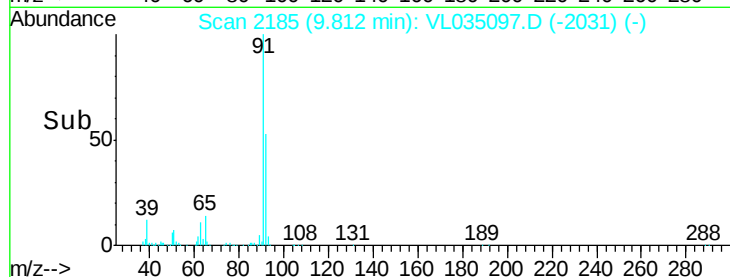
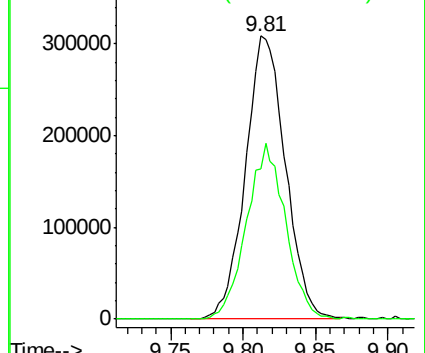
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 2.030 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VL035097.D

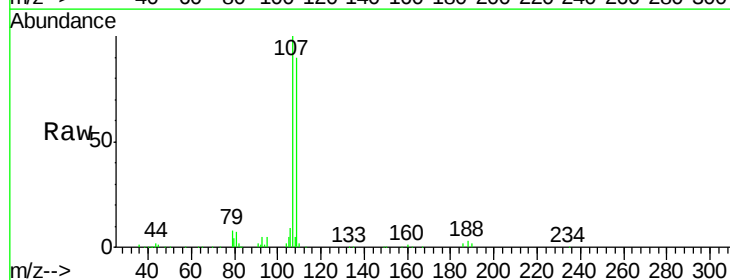
Acq: 19 Jun 2020 16:34

Tgt Ion: 107 Resp: 334137

Ion Ratio Lower Upper

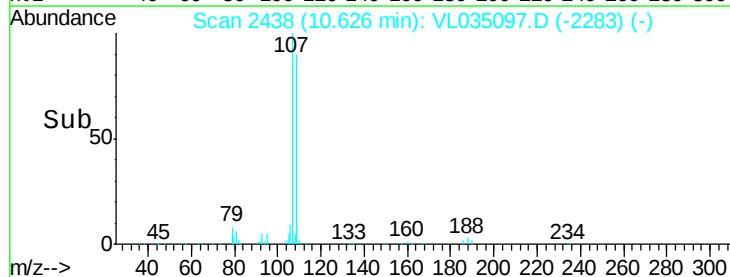
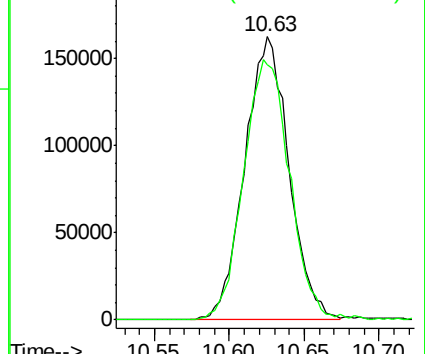
107 100

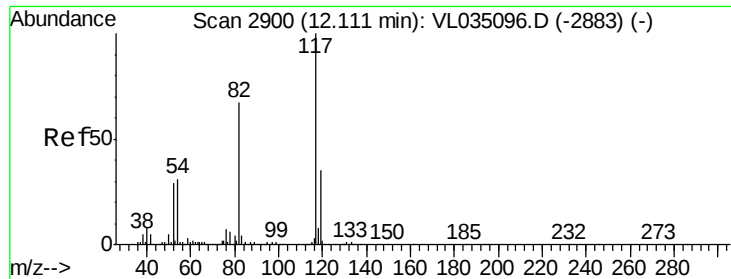
109 90.1 75.9 113.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





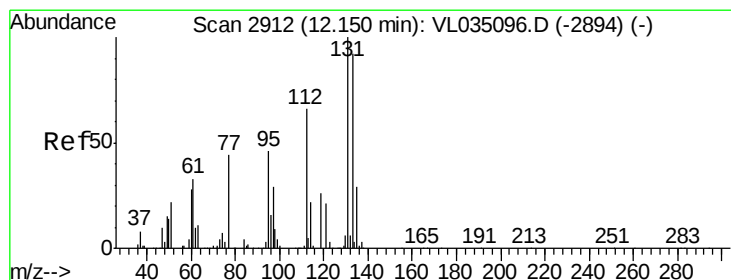
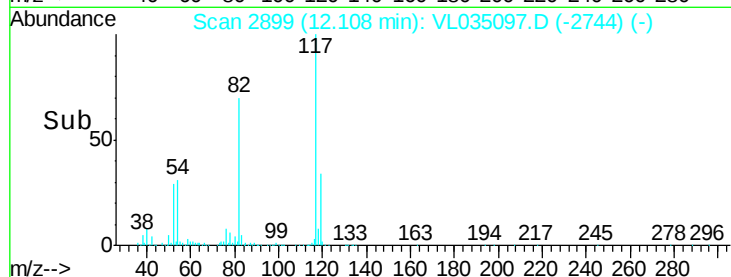
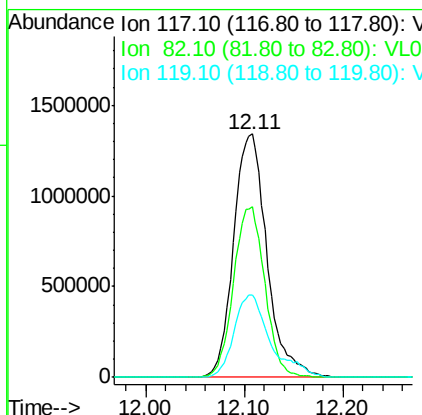
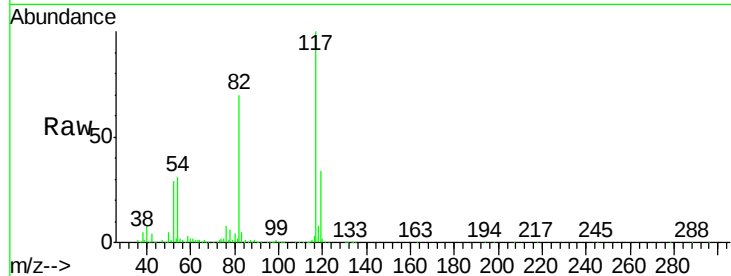
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.8	50.4	75.6
119	37.1	25.4	38.0

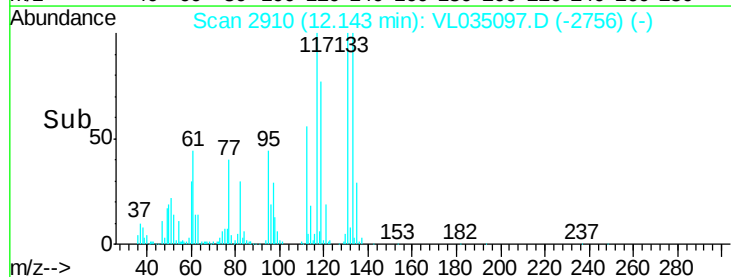
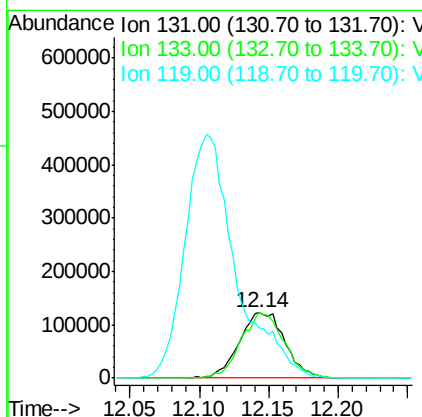
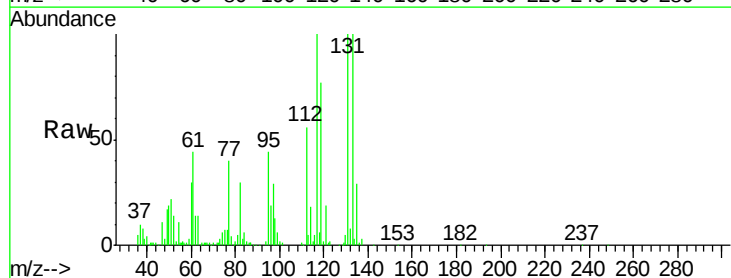
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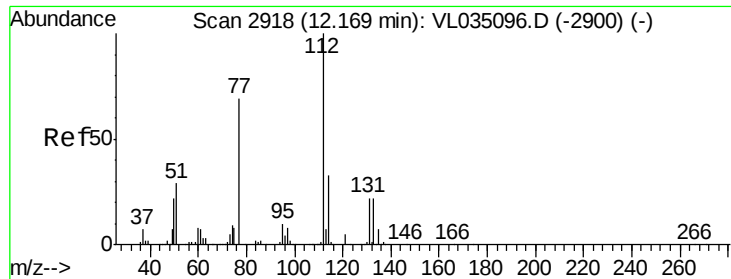
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.995 ppbv m
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

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





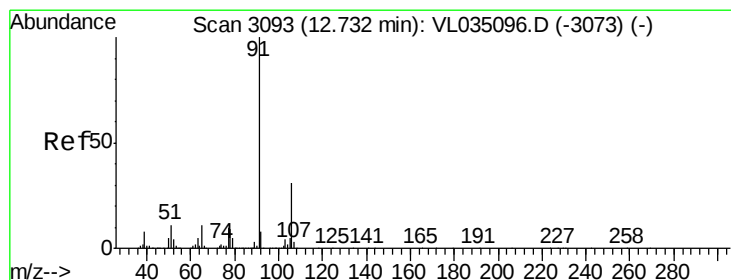
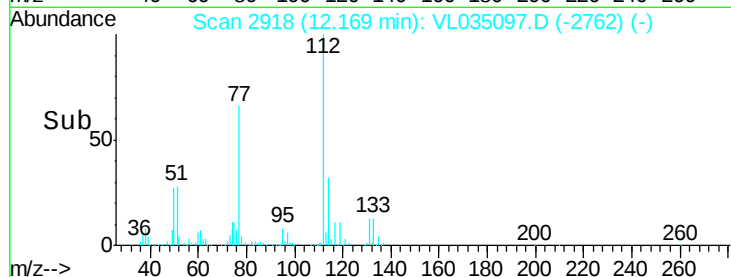
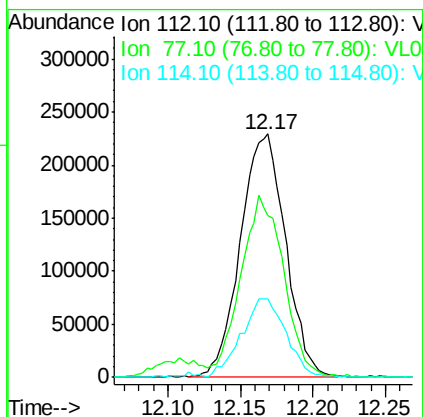
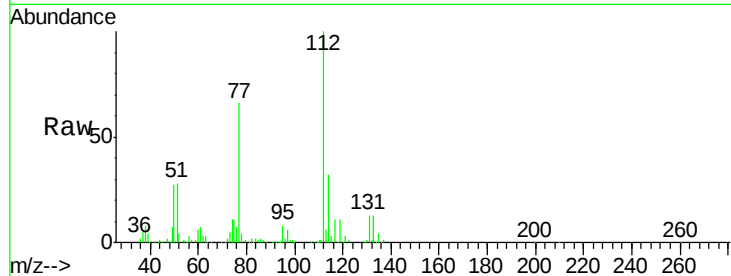
#57
Chlorobenzene
Concen: 1.992 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
112	100		
77	66.1	56.7	85.1
114	32.1	29.3	35.9

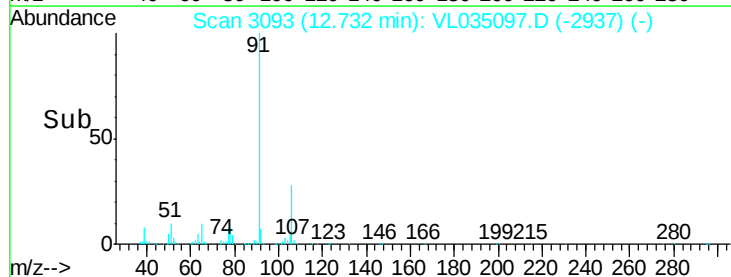
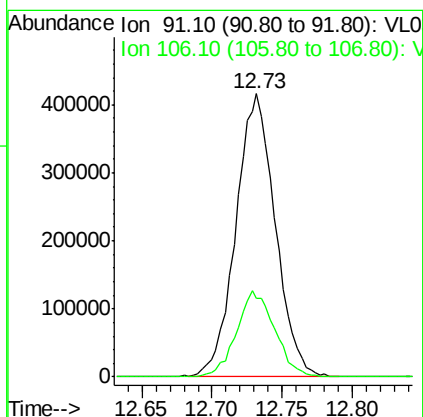
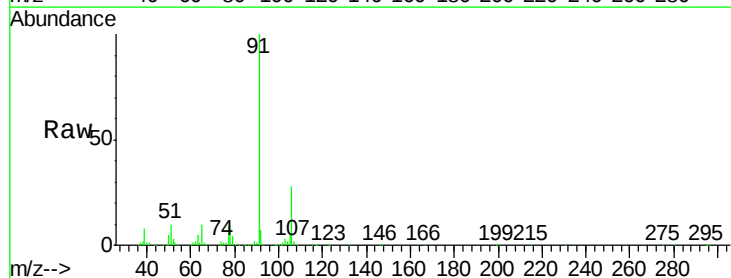
Manual Integrations
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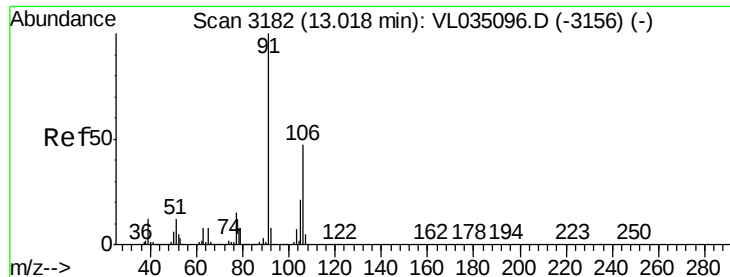
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#58
Ethyl Benzene
Concen: 2.100 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.8	25.0	37.6





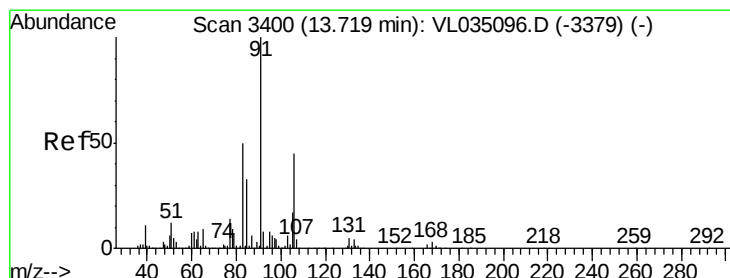
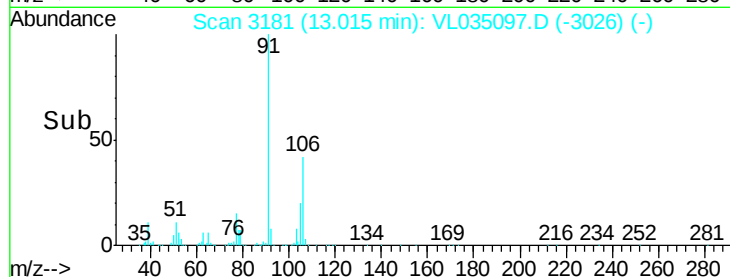
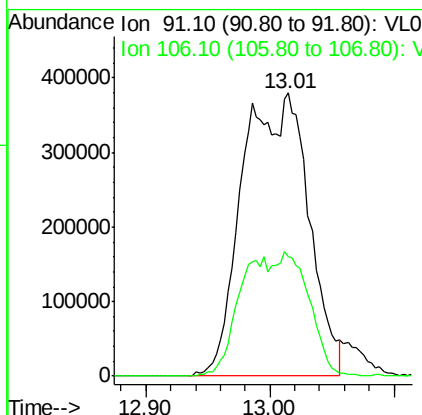
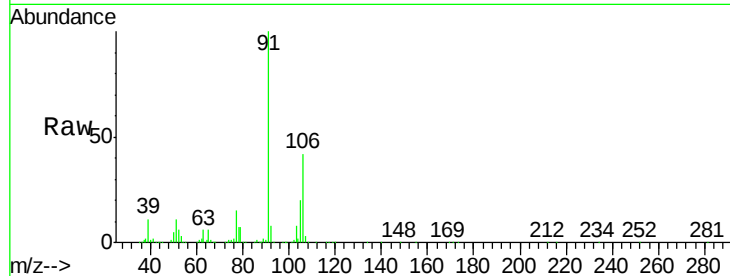
#59
m/p-Xylene
Concen: 4.154 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. -0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1406127
Ion Ratio Lower Upper
91 100
106 44.0 36.5 54.7

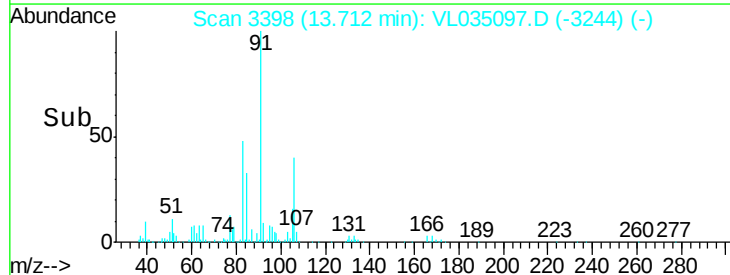
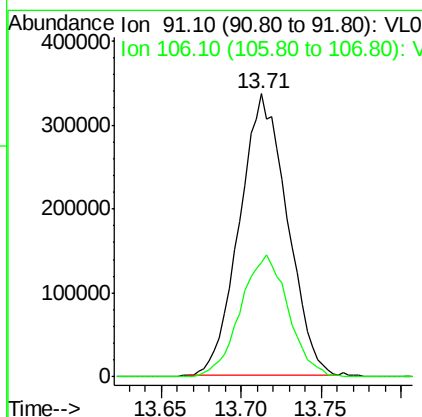
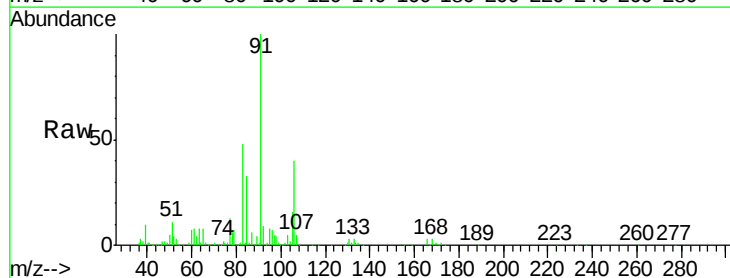
Manual Integrations
APPROVED

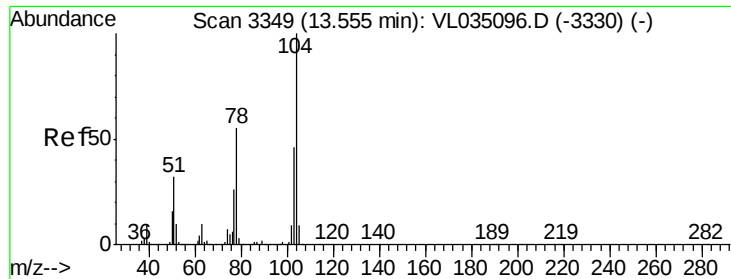
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#60
o-Xylene
Concen: 2.043 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion: 91 Resp: 682976
Ion Ratio Lower Upper
91 100
106 43.8 22.1 66.5





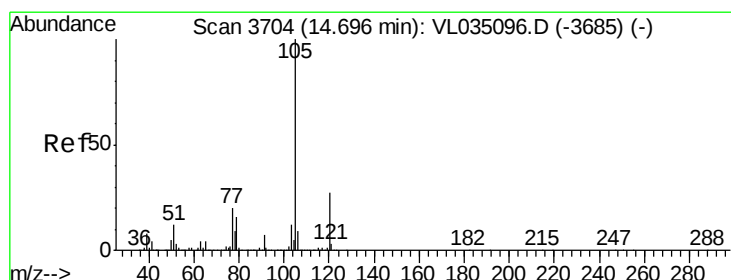
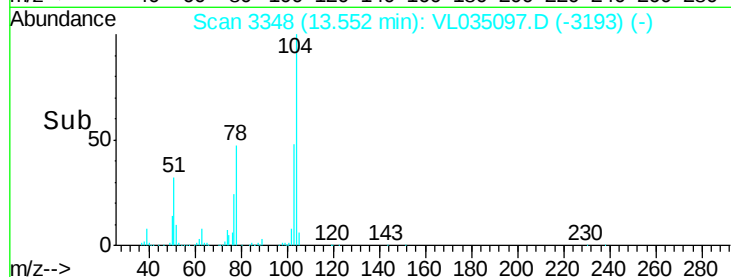
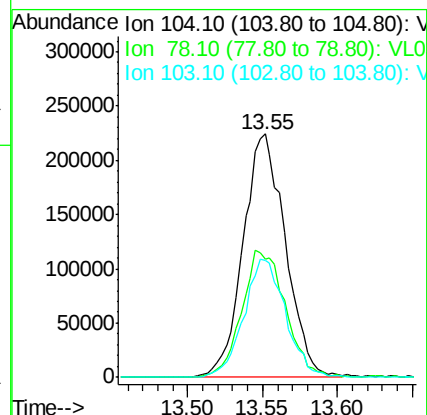
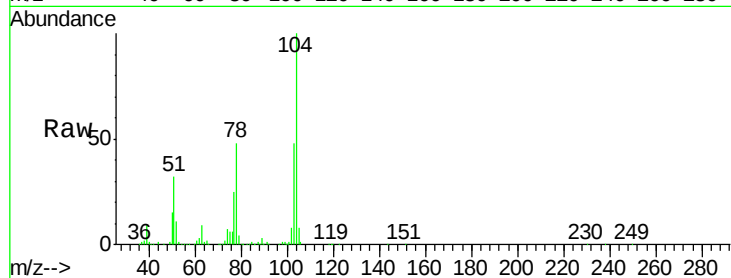
#61
Stvrene
Concen: 2.086 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.4	65.0
103	48.2	38.3	57.5

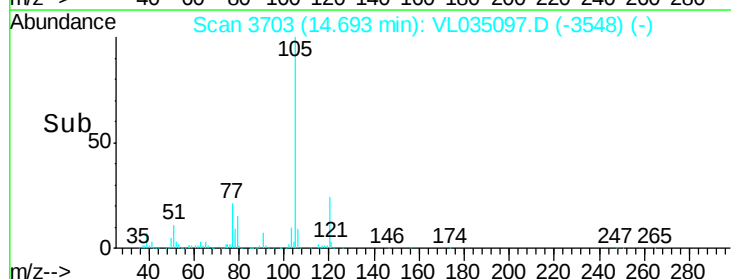
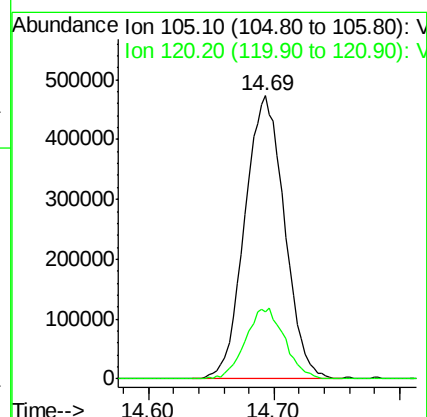
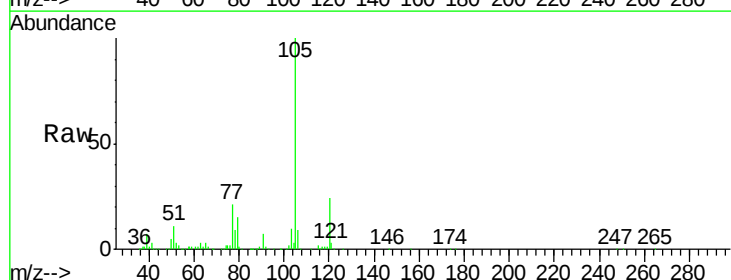
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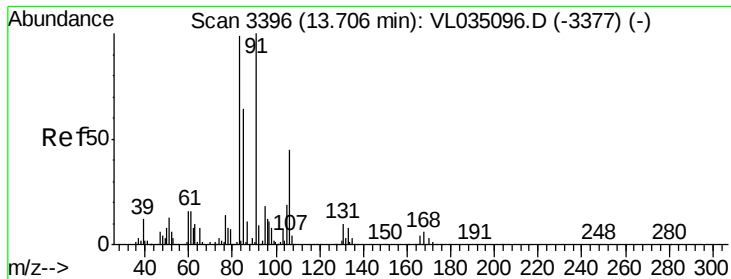
MMDadoda
6/22/2020 2:08:55 PM



#62
Isopropylbenzene
Concen: 2.087 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.7	20.8	31.2





#63

1,1,2,2-Tetrachloroethane

Concen: 1.985 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

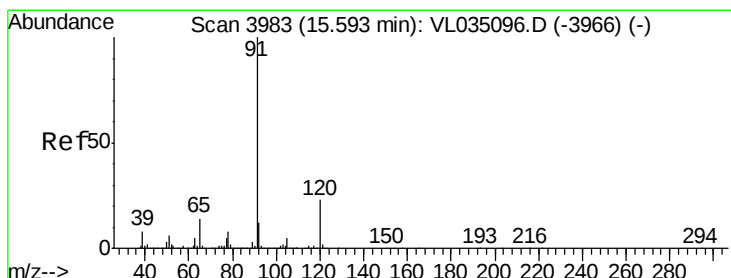
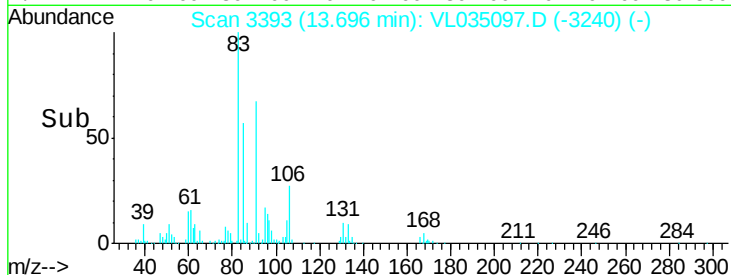
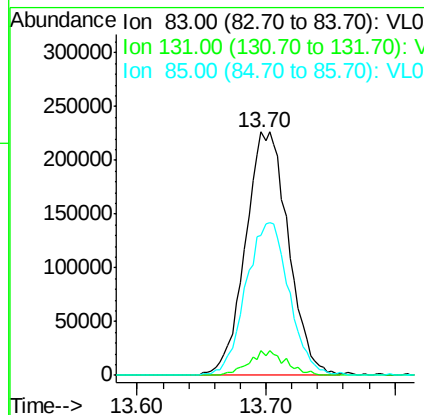
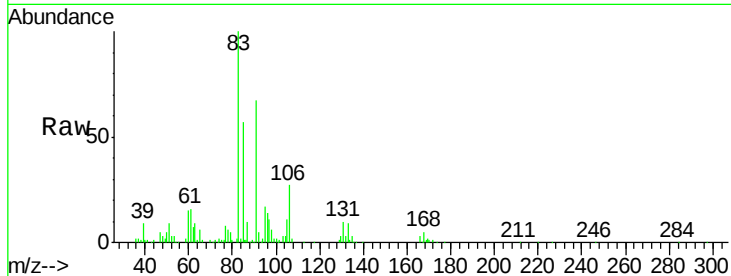
ClientSampleId :

VSTDIC002

Tot Ion:	83	Resp:	524616
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.7	14.0
85	63.5	32.4	97.0

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#64

n-propylbenzene

Concen: 2.044 ppbv

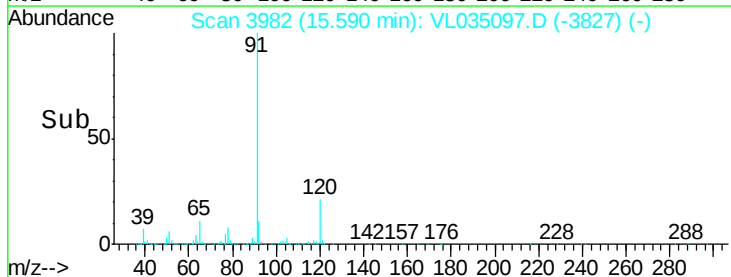
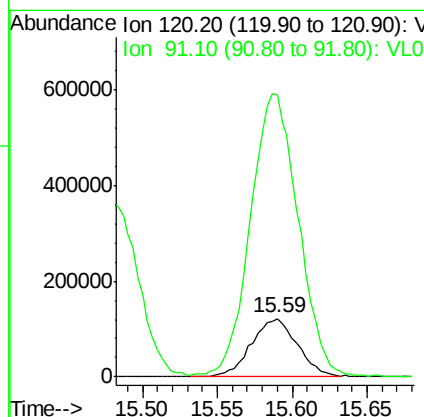
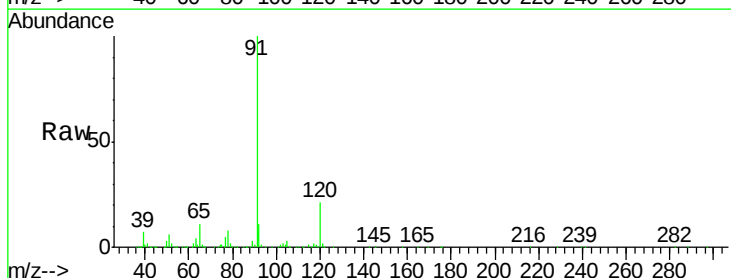
RT: 15.59 min Scan# 3982

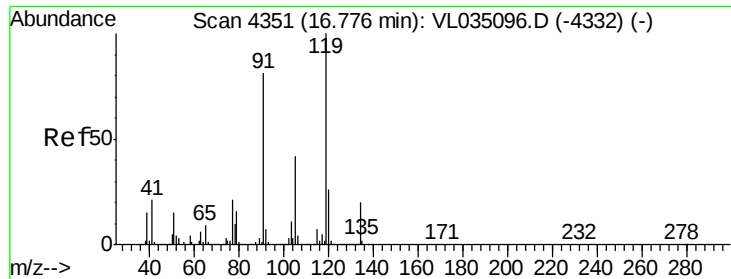
Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Tgt Ion:	120	Resp:	261682
Ion Ratio	Lower	Upper	
120	100		
91	502.7	367.9	551.9





#65

tert-Butylbenzene

Concen: 2.123 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

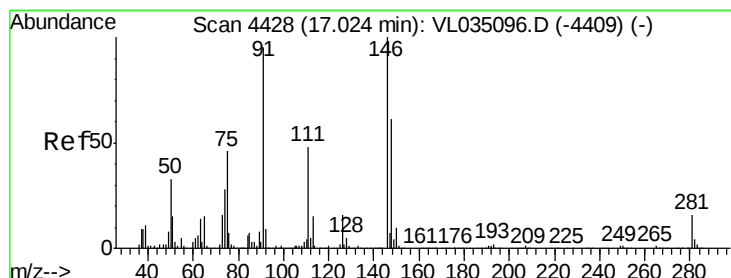
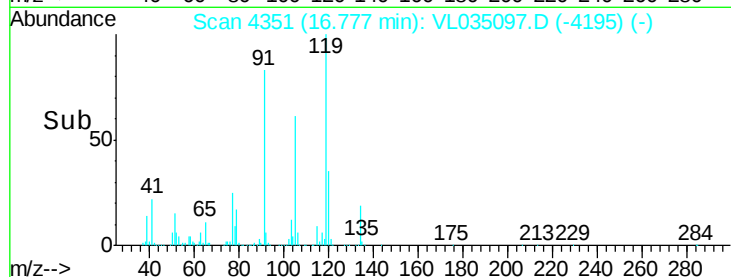
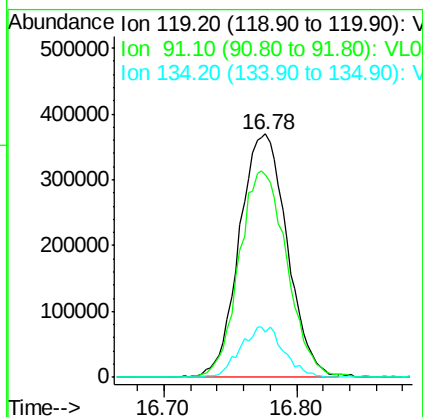
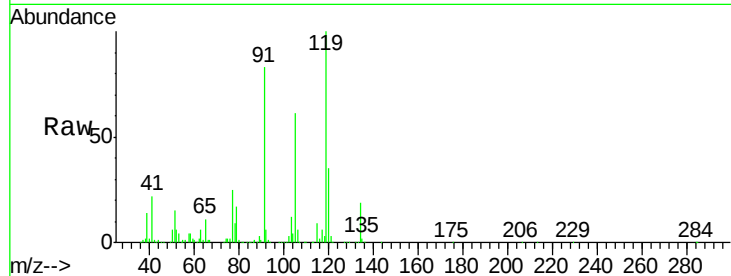
ClientSampleId :

VSTDIC002

Tot Ion:	119	Resp:	919865
Ion Ratio	Lower	Upper	
119	100		
91	86.2	67.6	101.4
134	19.0	15.7	23.5

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#66

Benzyl Chloride

Concen: 1.734 ppbv

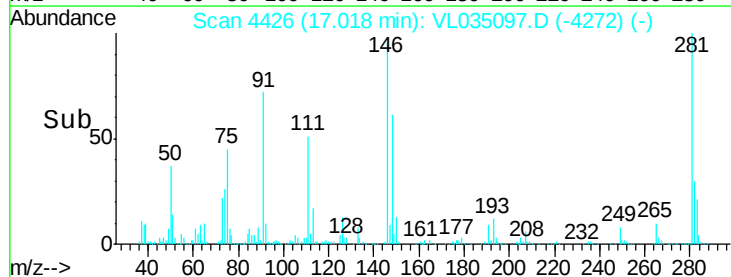
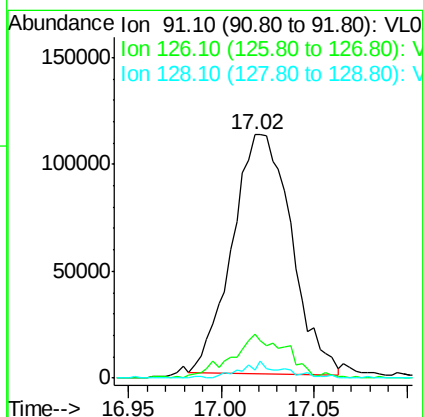
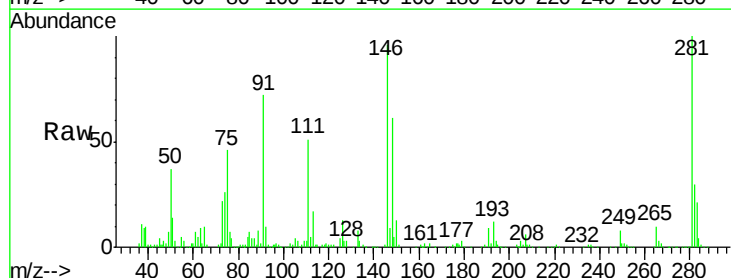
RT: 17.02 min Scan# 4426

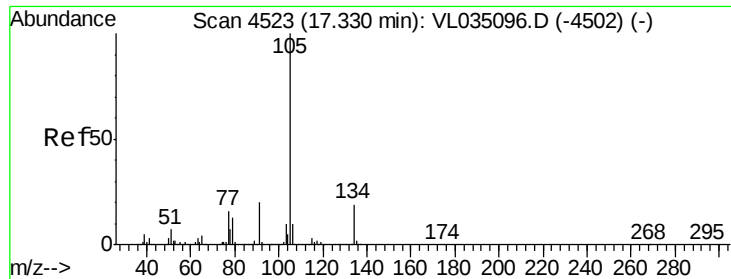
Delta R.T. -0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Tgt Ion:	91	Resp:	249081
Ion Ratio	Lower	Upper	
91	100		
126	17.7	13.5	20.3
128	4.9	4.3	6.5





#67

sec-Butylbenzene

Concen: 2.126 ppbv

RT: 17.33 min Scan# 4522

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 105 Resp: 1312621

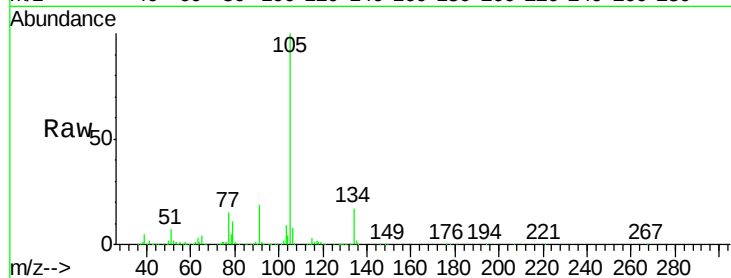
Ion Ratio Lower Upper

105 100

134 17.4 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

17.33

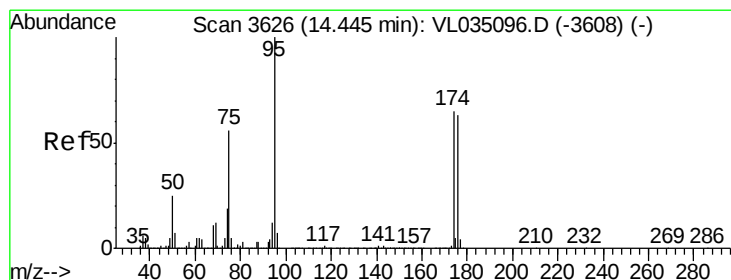
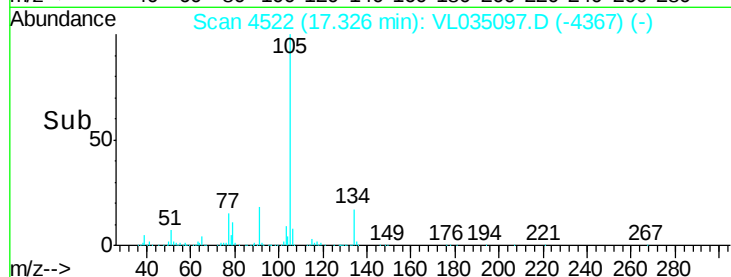
600000

400000

200000

0

Time--> 17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 10.027 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

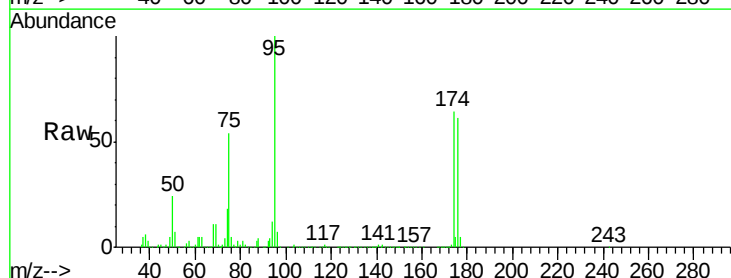
Tgt Ion: 95 Resp: 2549183

Ion Ratio Lower Upper

95 100

174 65.2 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

14.44

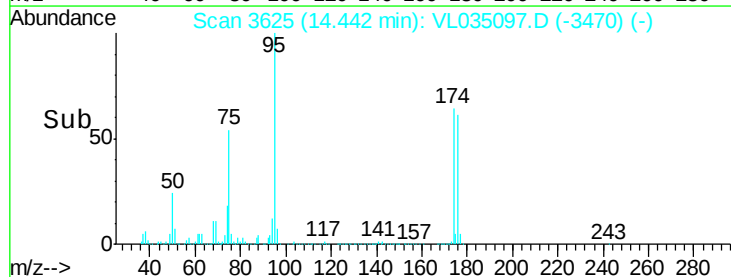
1500000

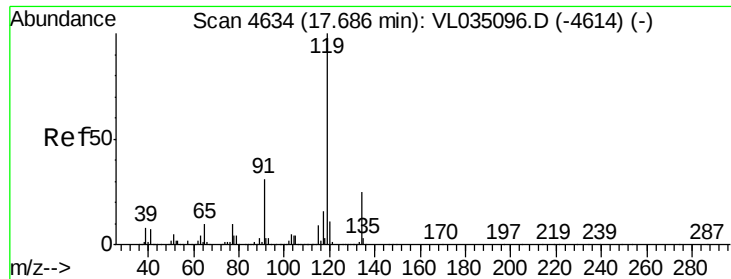
1000000

500000

0

Time--> 14.40 14.50





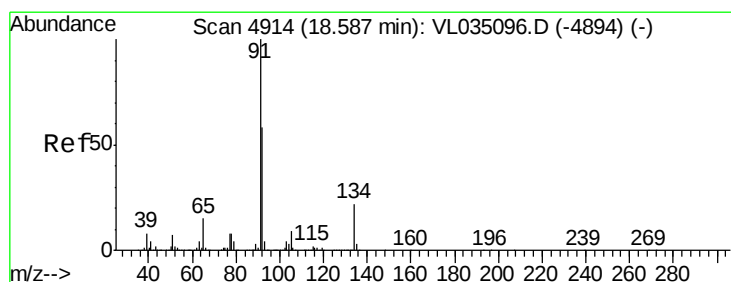
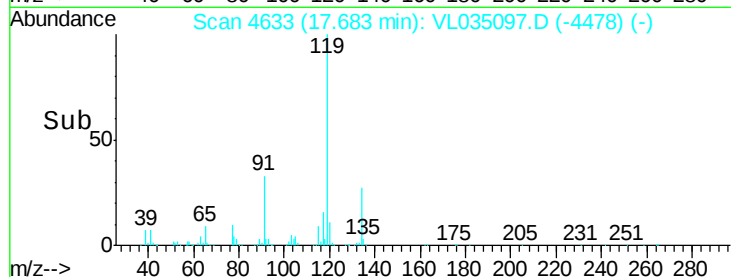
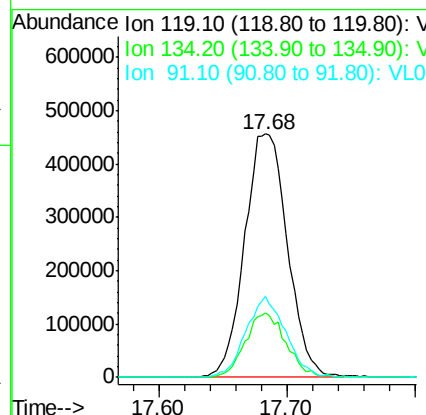
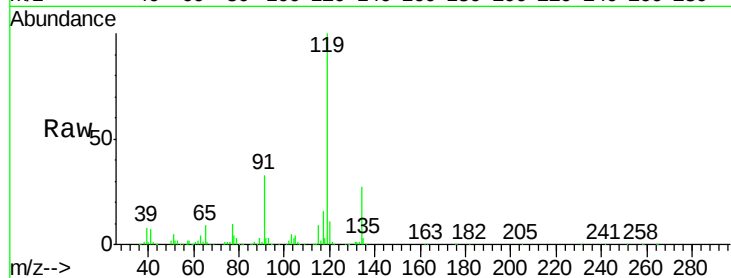
#69
 p-Isopropyltoluene
 Concen: 2.132 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. -0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.4	30.6
91	31.2	24.5	36.7

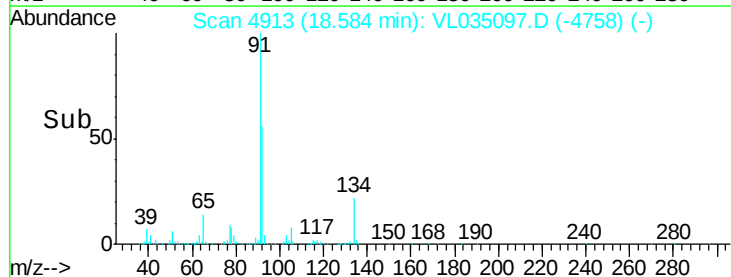
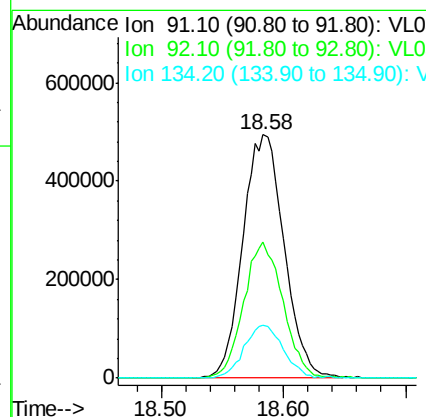
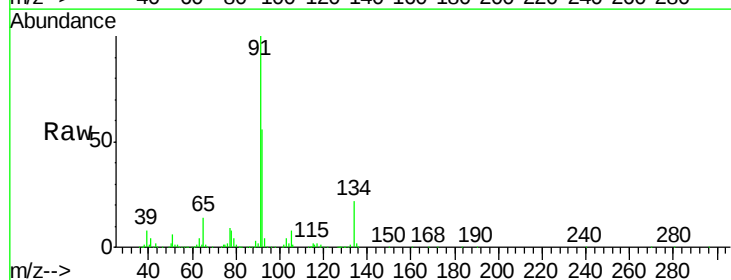
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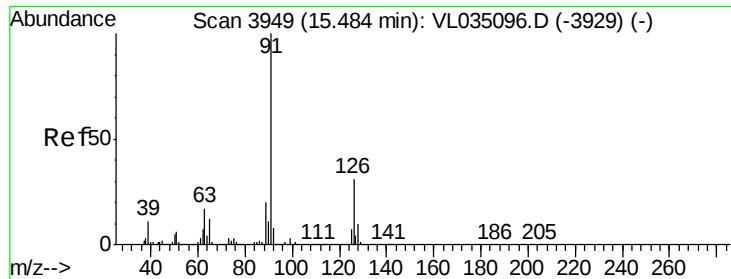
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#70
 n-Butylbenzene
 Concen: 2.176 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. -0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	44.4	66.6
134	20.8	18.0	27.0





#71

2-Chlorotoluene

Concen: 2.121 ppbv

RT: 15.48 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 798426

Ion Ratio Lower Upper

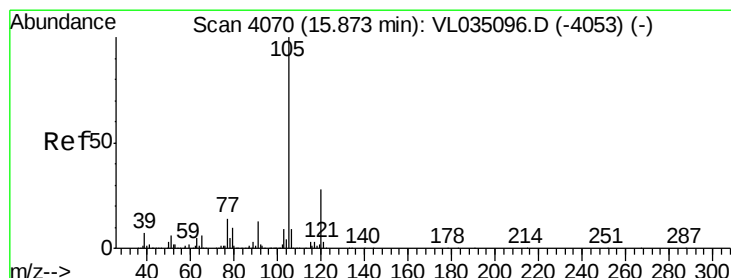
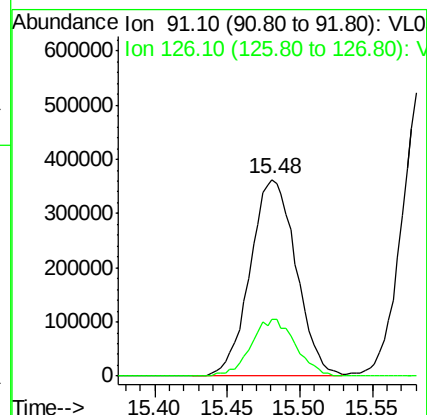
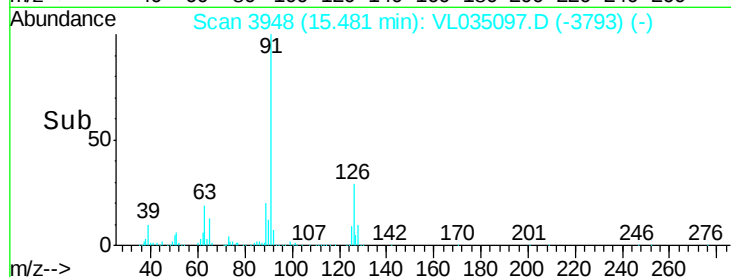
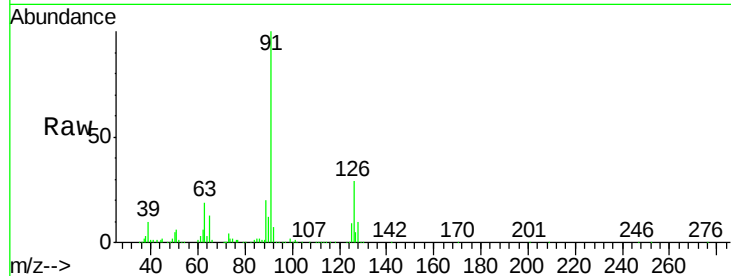
91 100

126 28.2 12.0 48.0

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#72

4-Ethyltoluene

Concen: 2.079 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Tgt Ion: 105 Resp: 776122

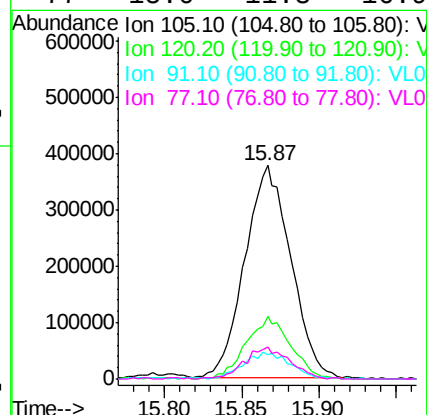
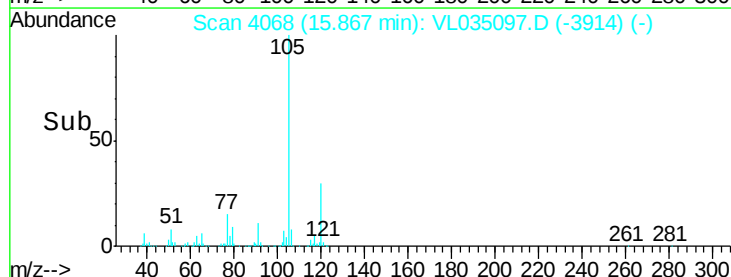
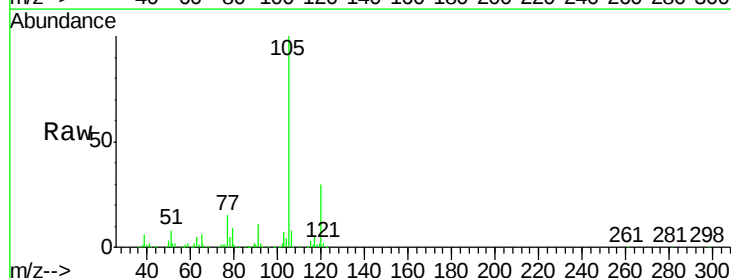
Ion Ratio Lower Upper

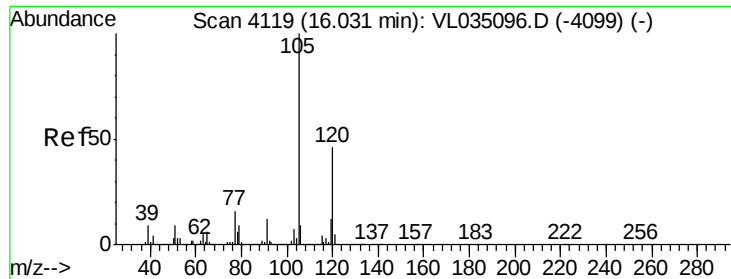
105 100

120 28.5 23.4 35.0

91 13.5 10.6 16.0

77 15.0 11.3 16.9





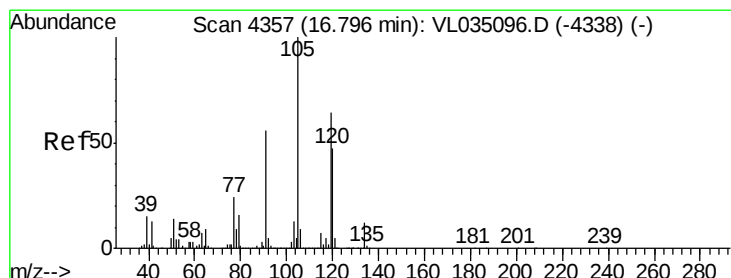
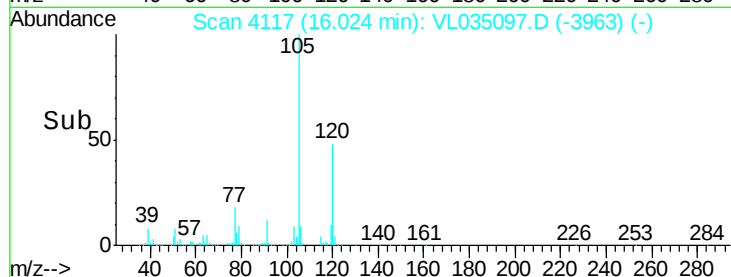
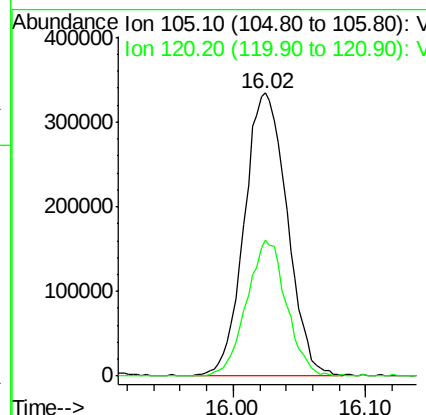
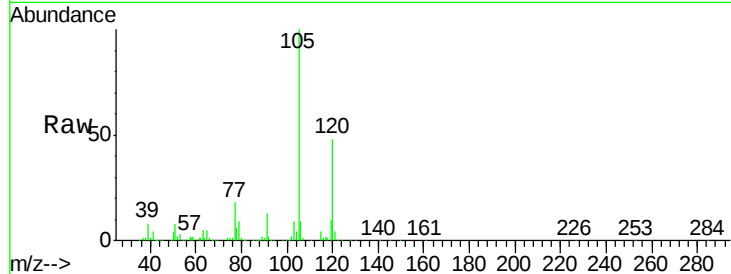
#73
 1,3,5-Trimethylbenzene
 Concen: 2.072 ppbv
 RT: 16.02 min Scan# 4117
 Delta R.T. -0.01 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.2	37.0	55.6

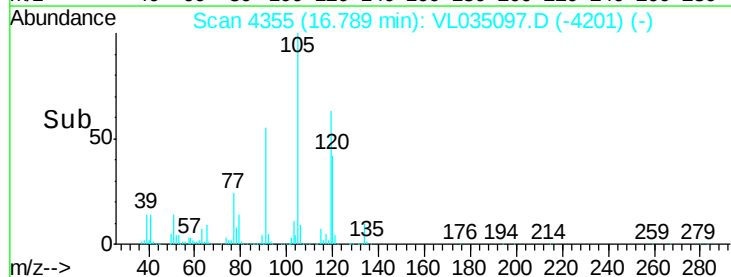
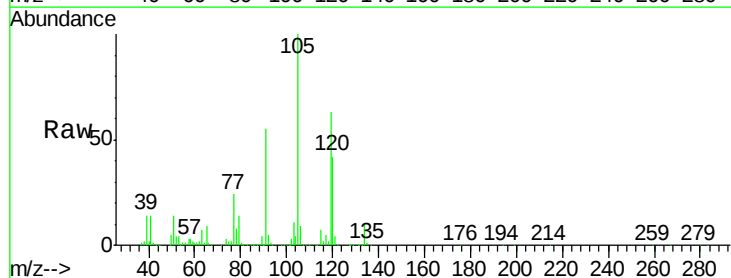
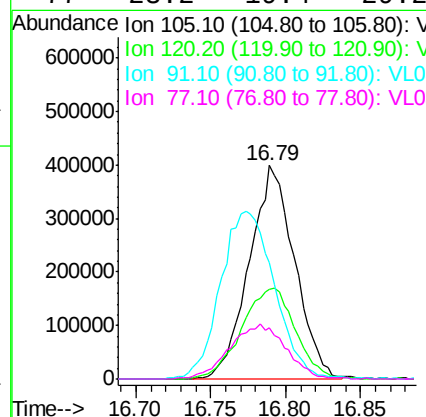
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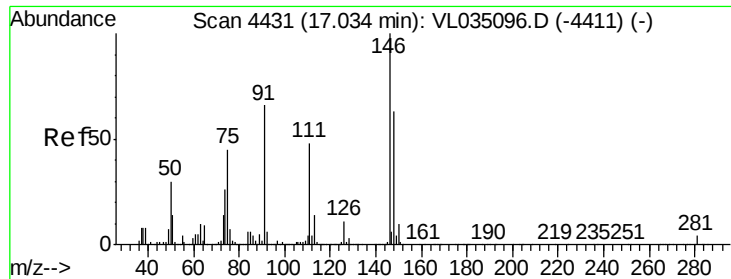
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#74
 1,2,4-Trimethylbenzene
 Concen: 2.132 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. -0.01 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.4	37.9	56.9
91	53.9	46.0	69.0
77	23.2	19.4	29.2





#75

1,3-Dichlorobenzene

Concen: 2.018 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. -0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

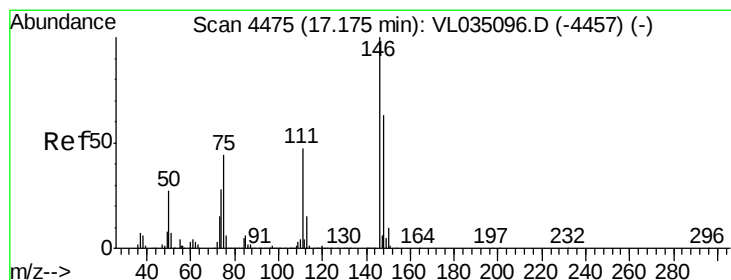
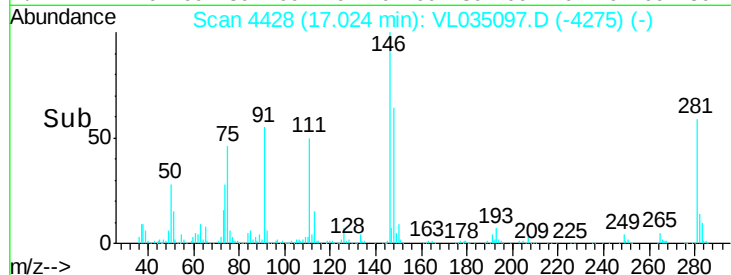
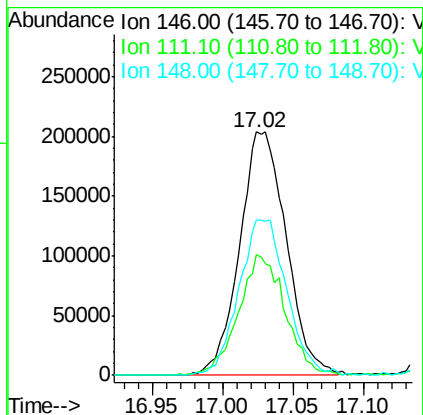
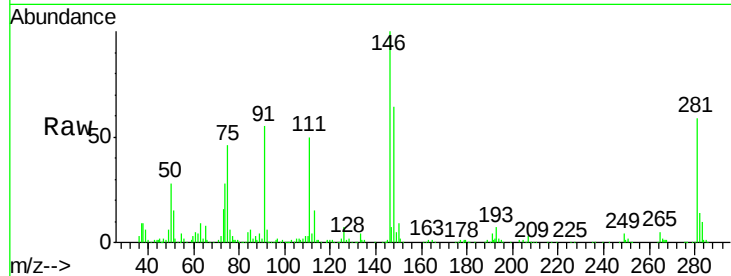
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	470185
Ion Ratio	Lower	Upper	
146	100		
111	49.9	24.1	72.4
148	66.0	32.3	96.8

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#76

1,4-Dichlorobenzene

Concen: 2.110 ppbv

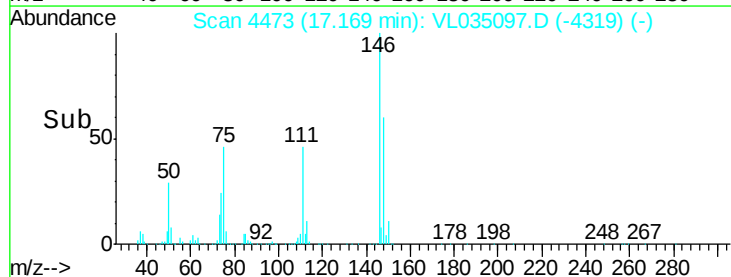
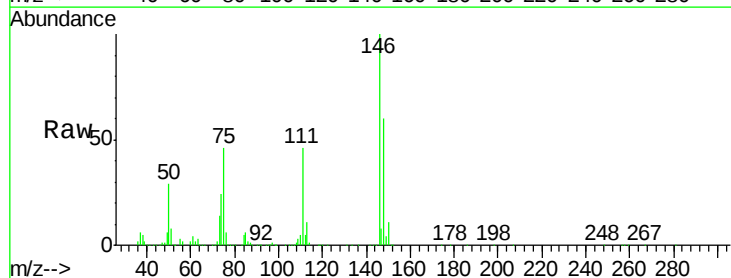
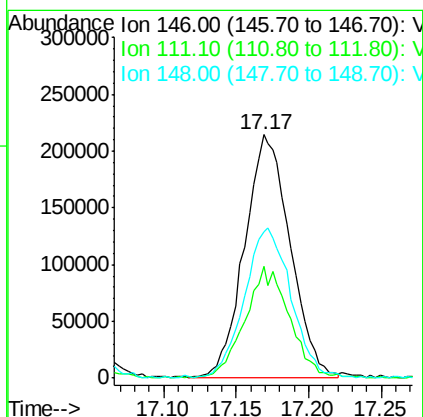
RT: 17.17 min Scan# 4473

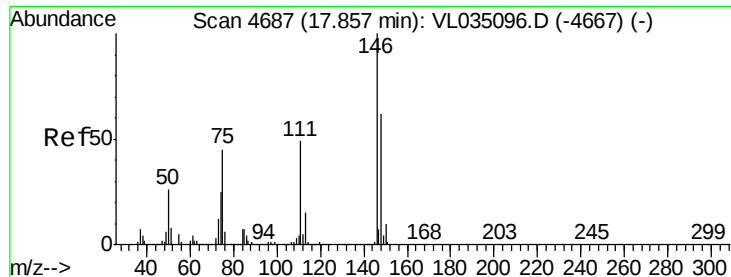
Delta R.T. -0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Tgt Ion:	146	Resp:	466538
Ion Ratio	Lower	Upper	
146	100		
111	45.5	23.5	70.5
148	63.6	32.0	96.2





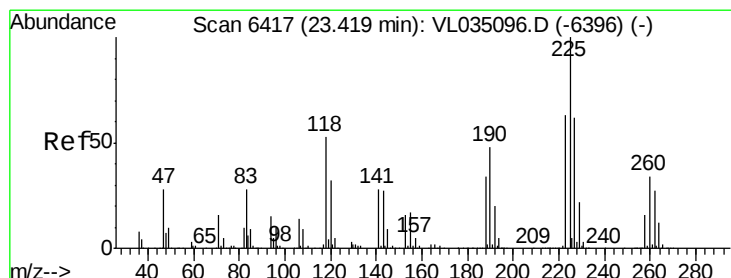
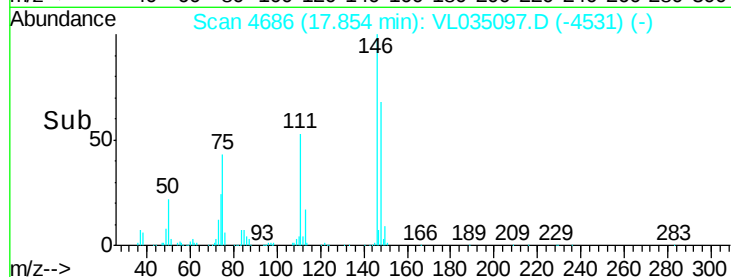
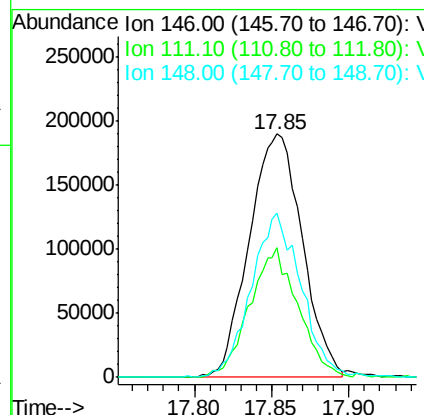
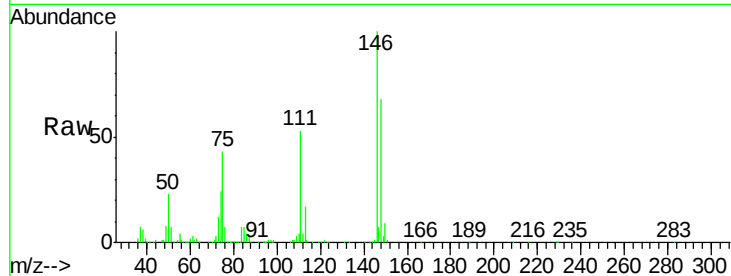
#77
 1,2-Dichlorobenzene
 Concen: 2.077 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	25.0	75.0
148	63.8	32.3	96.8

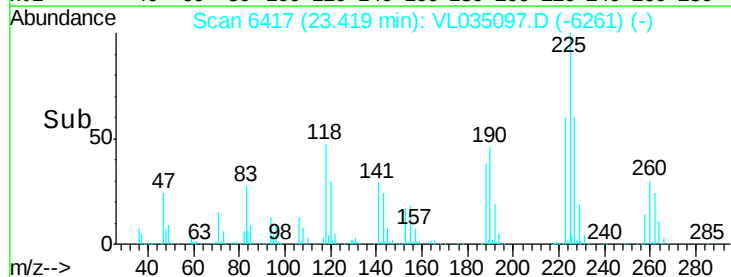
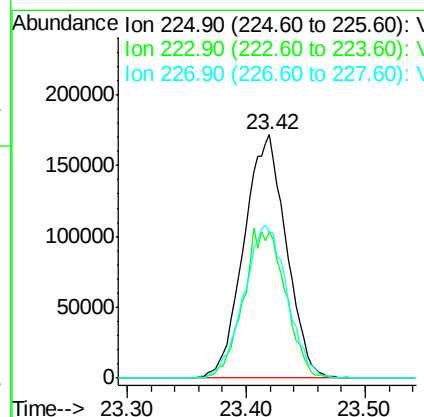
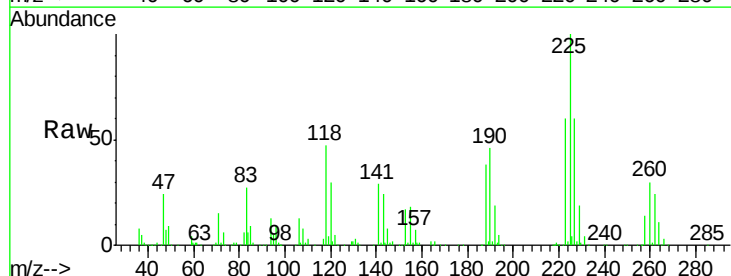
Manual Integrations
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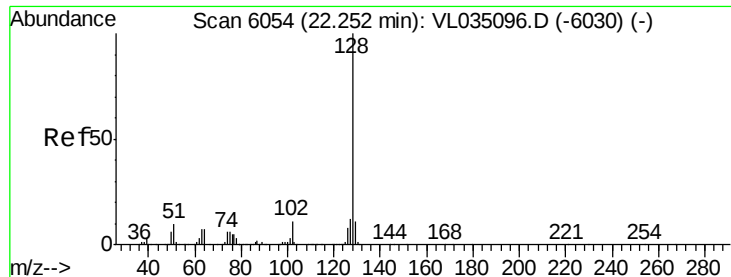
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#78
 Hexachloro-1,3-Butadiene
 Concen: 2.260 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	51.4	77.0
227	64.2	51.8	77.8





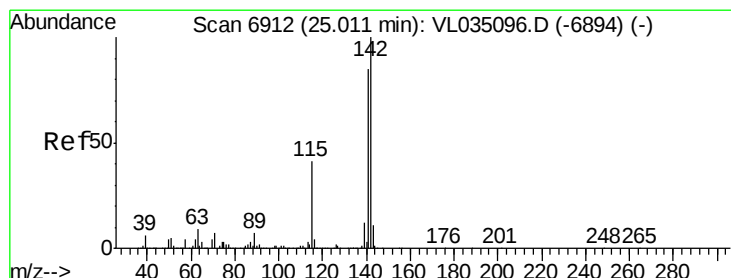
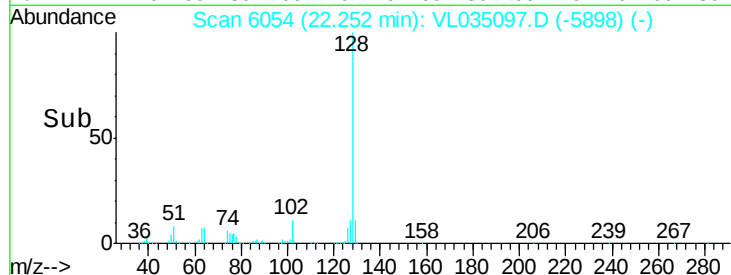
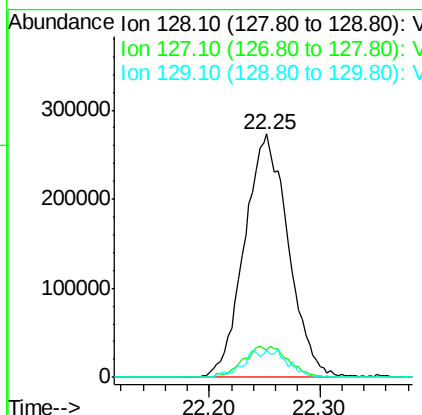
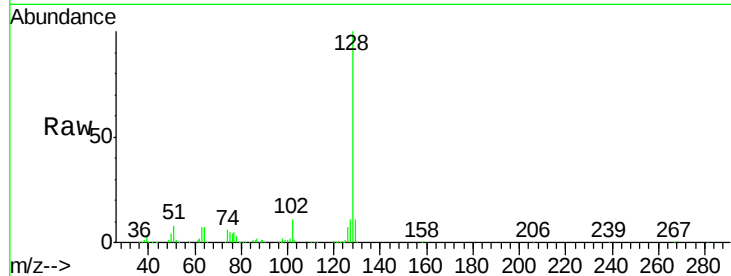
#79
Naphthalene
Concen: 2.463 ppbv
RT: 22.25 min Scan# 6054
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.3	9.9	14.9
129	11.3	9.0	13.4

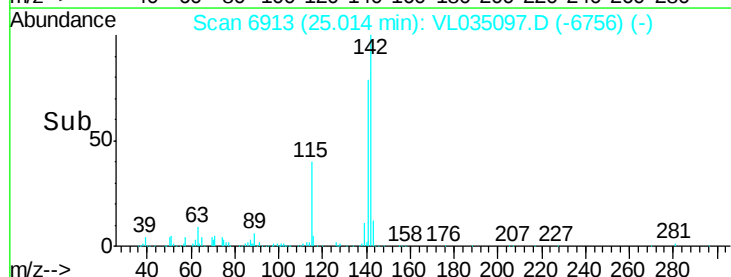
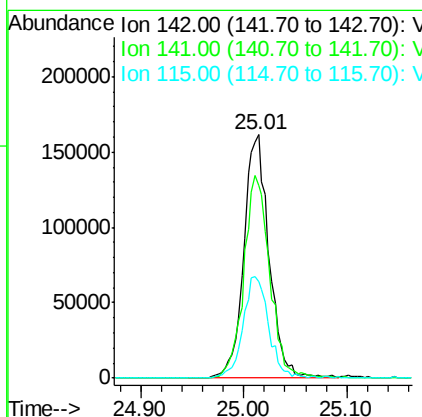
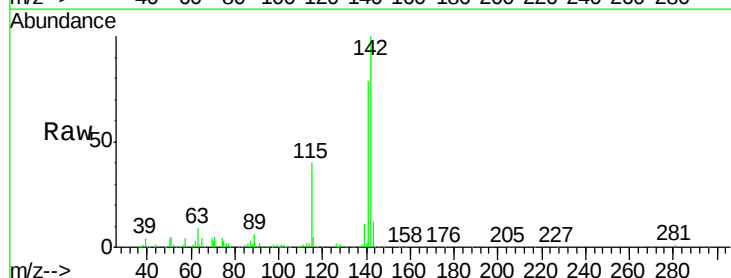
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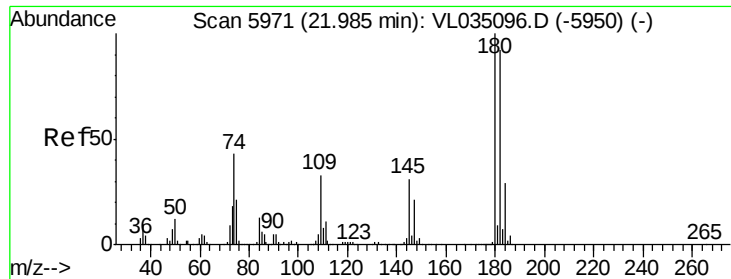
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#80
Naphthalene, 2-methyl-
Concen: 3.583 ppbv
RT: 25.01 min Scan# 6913
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.6	67.5	101.3
115	42.4	33.8	50.8





#81
 1,2,4-Trichlorobenzene
 Concen: 2.222 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	77.9	116.9
184	32.3	24.6	37.0

Manual Integrations
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