

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035118.D
 Acq On : 22 Jun 2020 19:54
 Operator : SY/AP
 Sample : VL0622ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 10:59:46 AM

Quant Time: Jun 23 01:57:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 23 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1276456	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2985344	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.13	117	3049321m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2449948	9.67	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1449056	8.407	ppbv	98
3) Chlorodifluoromethane	2.95	51	1283961	9.106	ppbv	98
4) Chloromethane	3.10	50	735158	9.301	ppbv	94
5) Vinyl Chloride	3.22	62	751438	9.997	ppbv	98
6) Bromomethane	3.44	94	450114	9.643	ppbv	93
7) Chloroethane	3.53	64	270751	9.552	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1702108	9.210	ppbv	99
9) Propene	2.97	41	528251	9.461	ppbv	99
10) Heptane	8.14	43	1491058	10.304	ppbv	100
11) Trichlorofluoromethane	3.92	101	1801932	9.786	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1276567	10.026	ppbv	100
13) Ethanol	3.58	45	148152	7.024	ppbv	99
14) Bromoethene	3.71	108	547510	9.976	ppbv	96
15) Acetone	3.82	43	1363504	8.835	ppbv	99
16) 1,3-Butadiene	3.29	39	664961	9.824	ppbv	100
17) tert-Butyl alcohol	4.27	59	1477291	10.801	ppbv	99
18) 1,1-Dichloroethene	4.27	96	593868	10.341	ppbv	97
19) Isopropyl Alcohol	3.94	45	1011211	10.091	ppbv	100
20) Methylene Chloride	4.32	84	520864	8.339	ppbv	97
21) Allyl Chloride	4.39	41	968684	10.562	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	583691	10.864	ppbv	96
23) Vinyl Acetate	5.06	43	1953604	10.429	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1499293	9.493	ppbv	100
25) Ethyl Acetate	5.67	43	2603298	9.347	ppbv	99
26) Hexane	5.68	57	1162600	9.259	ppbv	99
27) Carbon Disulfide	4.53	76	1604692	12.349	ppbv	97
28) Methyl tert-Butyl Ether	5.02	73	1772021	10.044	ppbv	100
29) Chloroform	5.75	83	1847558	9.402	ppbv	99
30) Cyclohexane	7.14	84	968568	10.747	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1172493	10.129	ppbv	94
32) 1,1,1-Trichloroethane	6.52	97	1801977	9.887	ppbv	100
34) 2-Butanone	5.23	43	1650242	9.626	ppbv	100
35) Carbon Tetrachloride	7.03	117	1854429	10.357	ppbv	98
36) Benzene	6.90	78	2271707	9.827	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1420484	9.723	ppbv	100
38) Trichloroethene	7.85	130	903156	10.059	ppbv	98
39) 1,2-Dichloropropane	7.63	63	906547	10.027	ppbv	100
40) 1,4-Dioxane	7.84	88	348320m	9.767	ppbv	
41) Tetrahydrofuran	6.04	42	925571	10.570	ppbv	98
42) Bromodichloromethane	7.81	83	1963463	10.377	ppbv	98
43) Methyl Methacrylate	8.03	69	1044216	10.672	ppbv	99

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Manual Integrations
 APPROVED

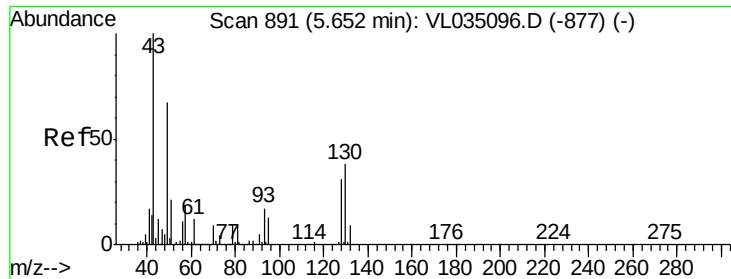
MMDadoda
 6/23/2020 10:59:46 AM

Quant Time: Jun 23 01:57:15 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	7.88	57	3957533	9.809	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1205985	12.664	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1410760	11.925	ppbv	96
47) 1,1,2-Trichloroethane	9.50	97	986397	9.996	ppbv	98
48) Dibromochloromethane	10.34	129	1652763	11.235	ppbv	100
49) Bromoform	13.09	173	1445432	11.566	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2505542	10.286	ppbv	100
51) 2-Hexanone	10.16	43	2039331	10.691	ppbv #	100
52) Tetrachloroethene	11.26	164	824001	10.116	ppbv	96
53) Toluene	9.83	91	2682093	10.877	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1479334	10.125	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.17	131	1235931	9.904	ppbv #	59
57) Chlorobenzene	12.19	112	2044679	9.113	ppbv	99
58) Ethyl Benzene	12.75	91	3614759	10.551	ppbv	98
59) m/p-Xylene	13.03	91	5962378m	19.637	ppbv	
60) o-Xylene	13.73	91	2972953	9.835	ppbv	99
61) Styrene	13.57	104	2097448	11.027	ppbv	99
62) Isopropylbenzene	14.71	105	4368006	9.683	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	2091139	8.541	ppbv	100
64) n-propylbenzene	15.61	120	1150437	9.994	ppbv	97
65) tert-Butylbenzene	16.79	119	3754476	9.720	ppbv	100
66) Benzyl Chloride	17.04	91	1563611	13.104	ppbv	99
67) sec-Butylbenzene	17.35	105	5334619	9.636	ppbv	100
69) p-Isopropyltoluene	17.70	119	4365425	9.886	ppbv	99
70) n-Butylbenzene	18.60	91	4573405	9.615	ppbv	99
71) 2-Chlorotoluene	15.50	91	3369349	9.882	ppbv	100
72) 4-Ethyltoluene	15.89	105	3463397	10.299	ppbv	100
73) 1,3,5-Trimethylbenzene	16.05	105	3233852	10.173	ppbv	96
74) 1,2,4-Trimethylbenzene	16.81	105	3289501	9.272	ppbv	96
75) 1,3-Dichlorobenzene	17.05	146	1918062	9.059	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1874757	9.257	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1778330	9.179	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1445714	8.302	ppbv	99
79) Naphthalene	22.27	128	3238178	10.411	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	1499625	12.610	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1713825	9.552	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.02 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 49 Resp: 1276456

Ion Ratio Lower Upper

49 100

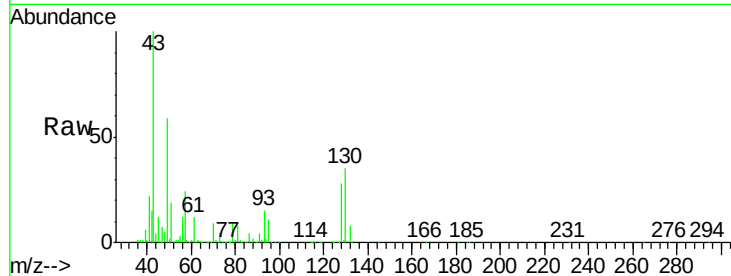
128 46.1 22.9 68.5

130 57.4 29.0 87.0

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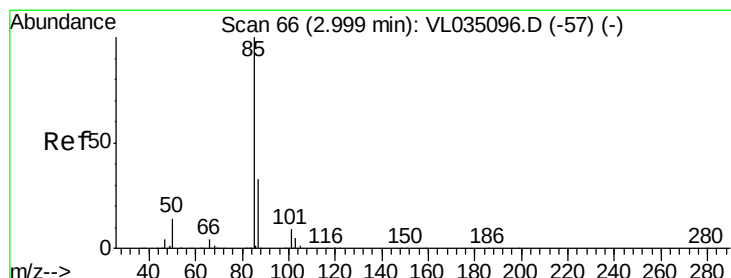
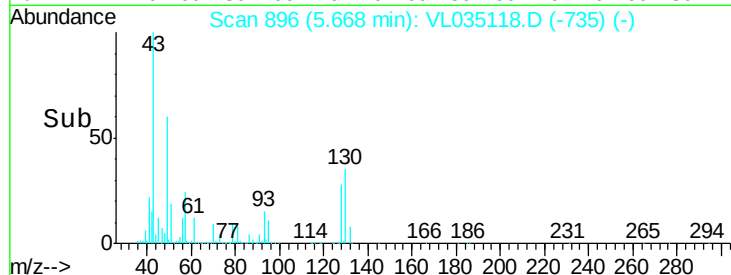
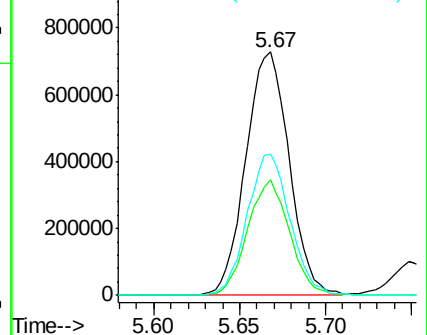
6/23/2020 10:59:46 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.407 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL035118.D

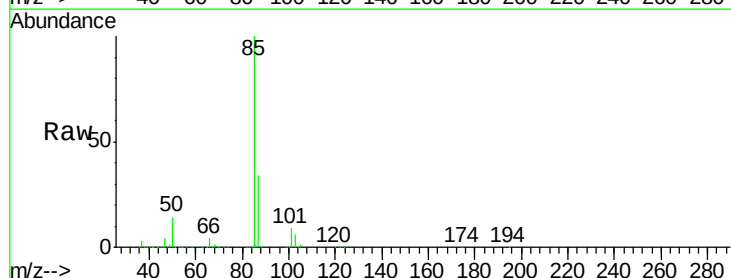
Acq: 22 Jun 2020 19:54

Tgt Ion: 85 Resp: 1449056

Ion Ratio Lower Upper

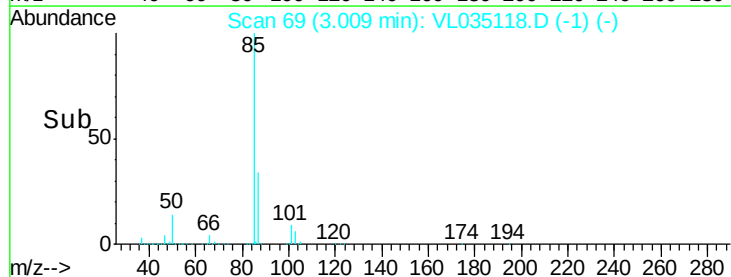
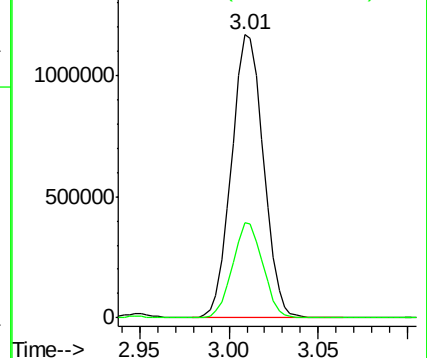
85 100

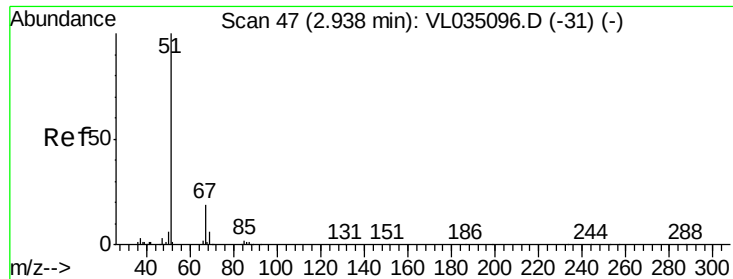
87 33.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





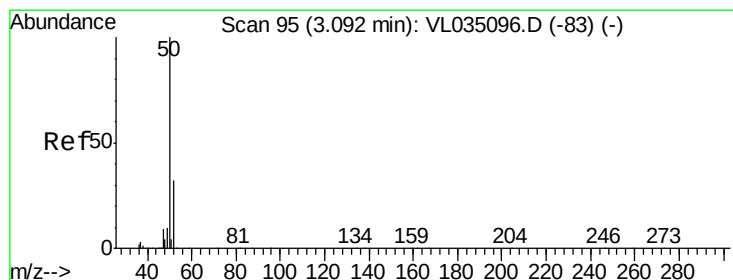
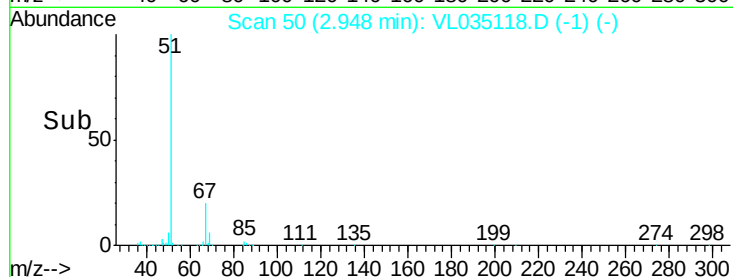
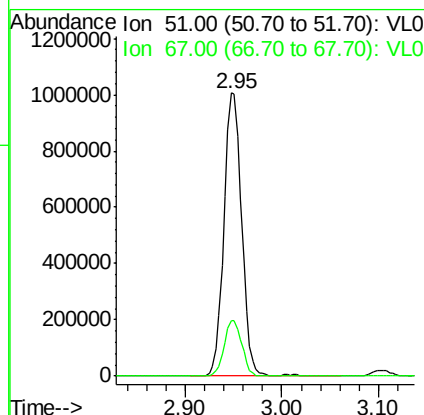
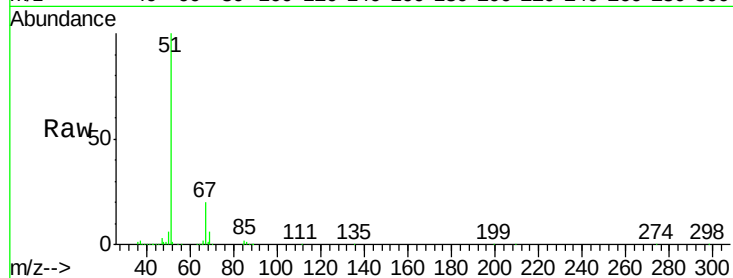
#3
Chlorodifluoromethane
Concen: 9.106 ppbv
RT: 2.95 min Scan# 50
Delta R.T. 0.01 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 51 Resp: 1283961
Ion Ratio Lower Upper
51 100
67 19.8 15.2 22.8

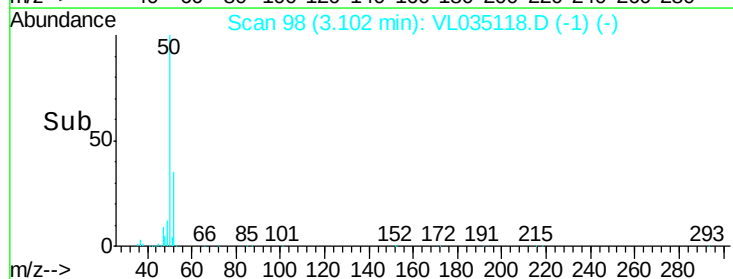
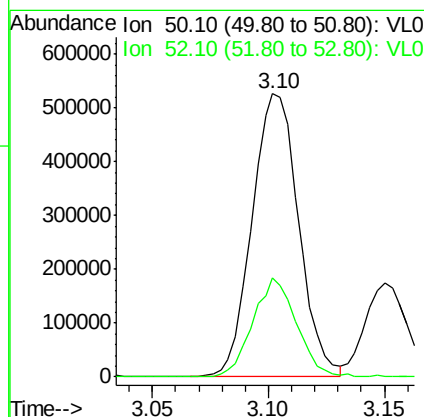
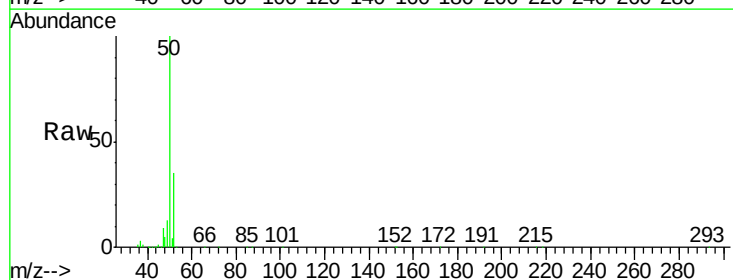
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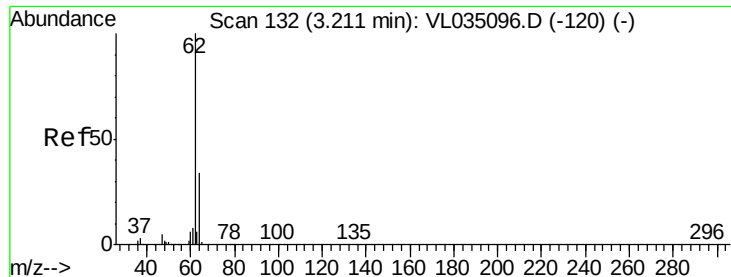
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#4
Chloromethane
Concen: 9.301 ppbv
RT: 3.10 min Scan# 98
Delta R.T. 0.01 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Tgt Ion: 50 Resp: 735158
Ion Ratio Lower Upper
50 100
52 35.1 25.4 38.0





#5

Vinyl Chloride

Concen: 9.997 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.01 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 62 Resp: 751438

Ion Ratio Lower Upper

62 100

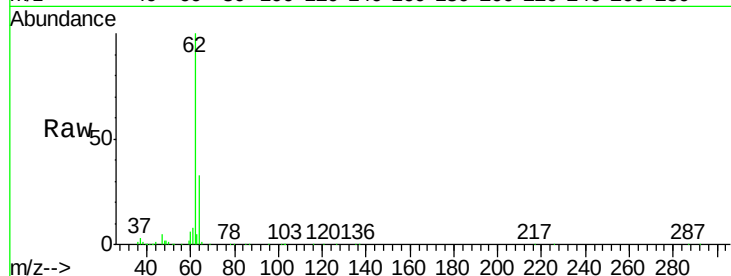
64 32.8 27.0 40.4

Manual Integrations

APPROVED

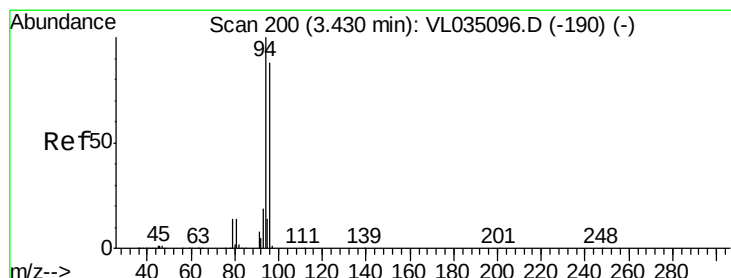
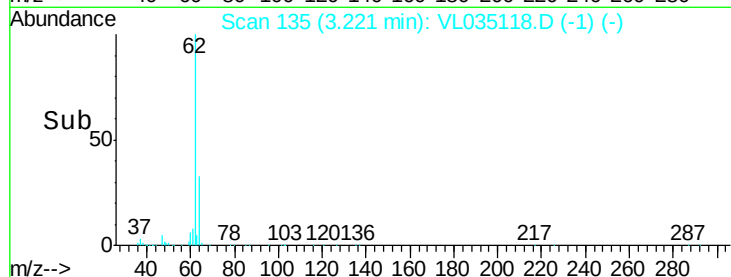
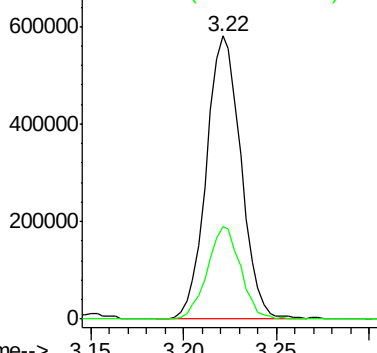
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.643 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.01 min

Lab File: VL035118.D

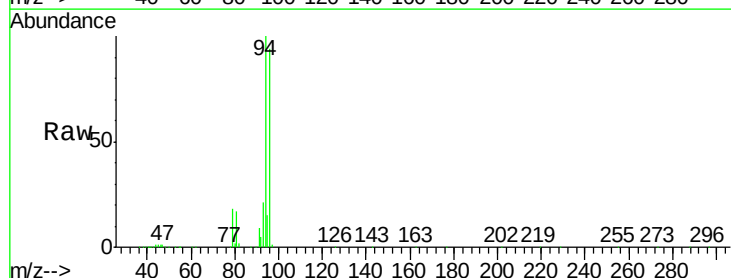
Acq: 22 Jun 2020 19:54

Tgt Ion: 94 Resp: 450114

Ion Ratio Lower Upper

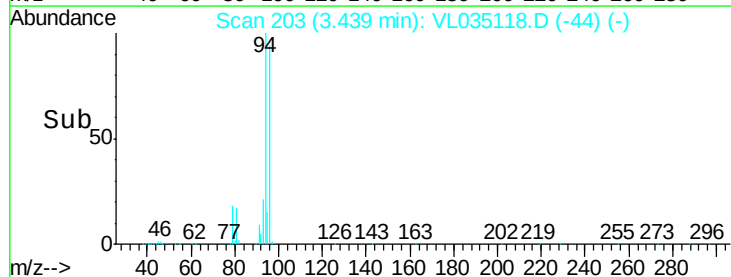
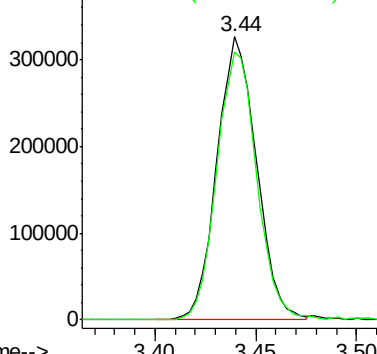
94 100

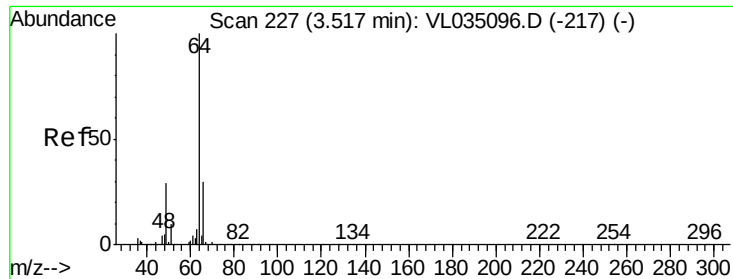
96 94.5 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.552 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 64 Resp: 270751

Ion Ratio Lower Upper

64 100

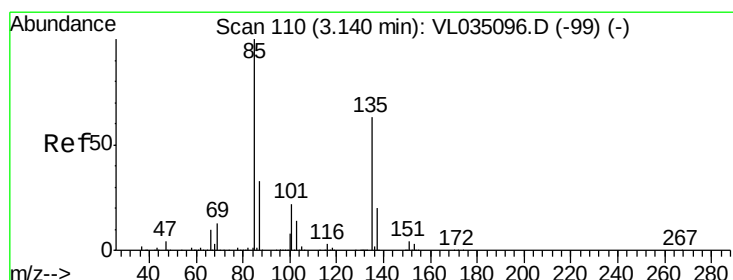
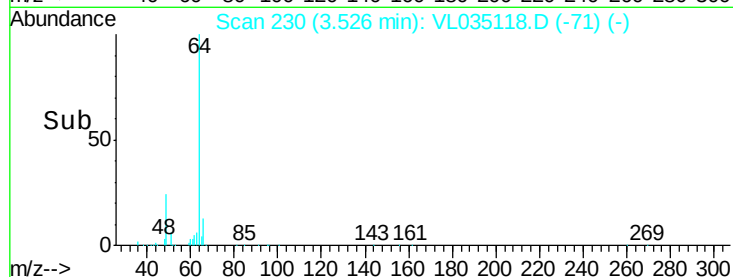
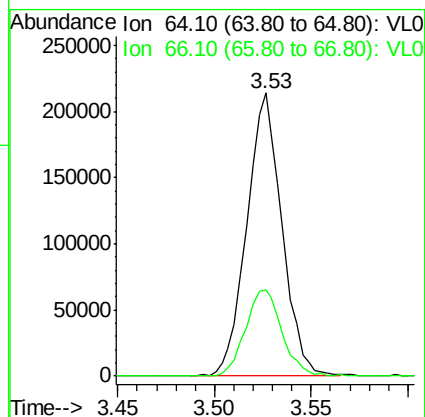
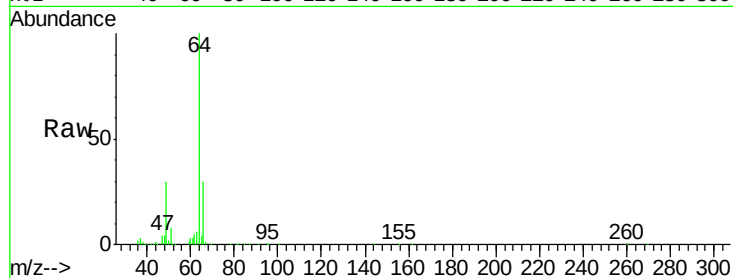
66 30.3 24.2 36.4

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6/23/2020 10:59:46 AM



#8

Dichlorotetrafluoroethane

Concen: 9.210 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL035118.D

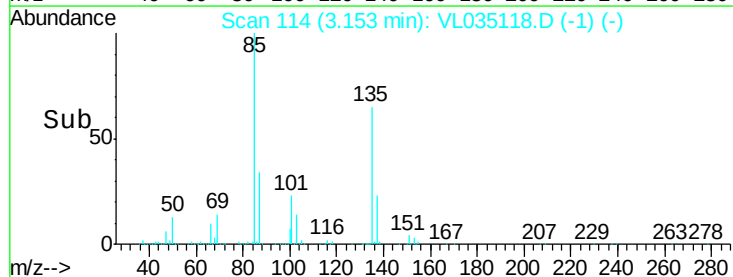
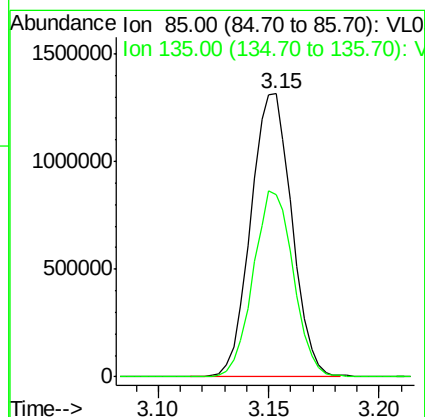
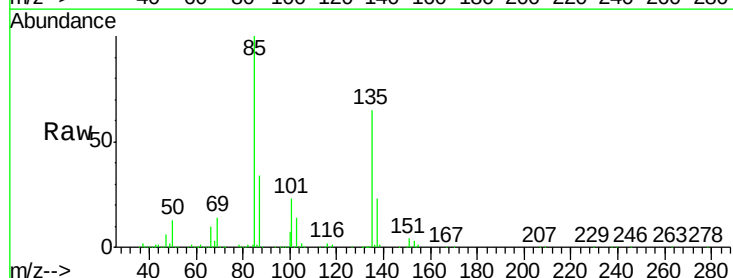
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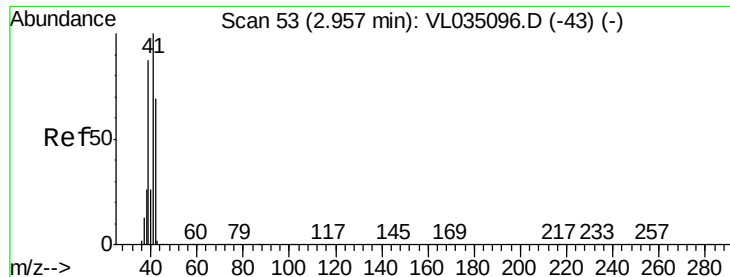
Tgt Ion: 85 Resp: 1702108

Ion Ratio Lower Upper

85 100

135 64.5 51.0 76.6





#9

Propene

Concen: 9.461 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 41 Resp: 528251

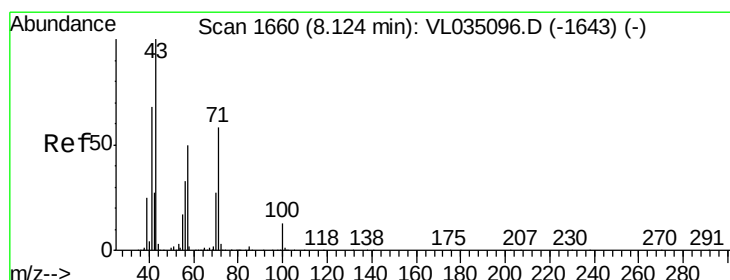
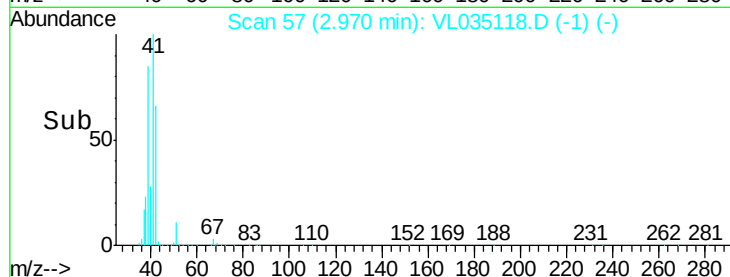
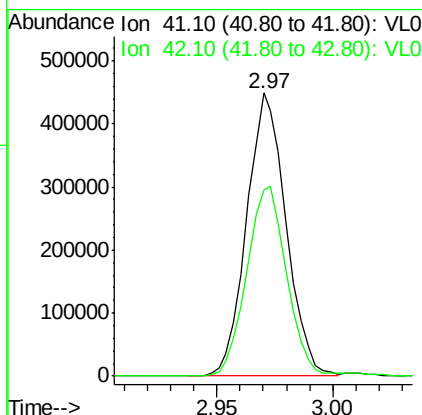
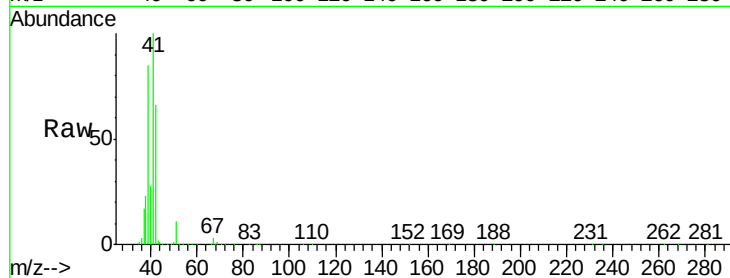
Ion Ratio Lower Upper

41 100

42 69.1 55.8 83.6

Manual Integrations
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6/23/2020 10:59:46 AM



#10

Heptane

Concen: 10.304 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VL035118.D

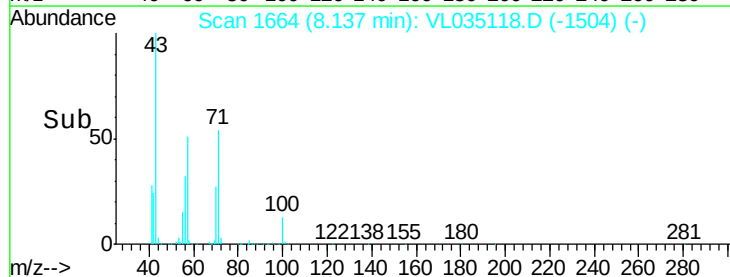
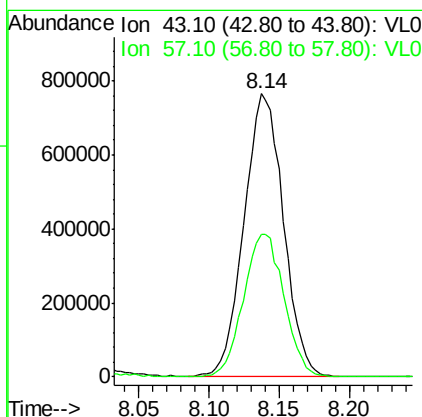
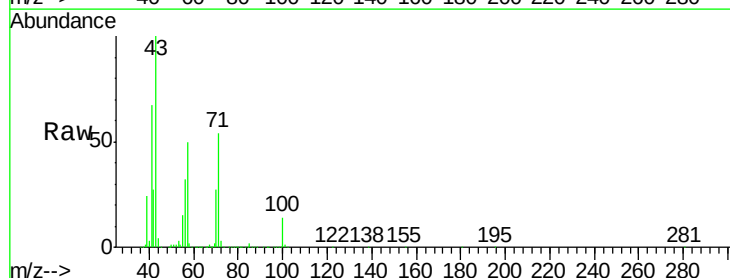
Acq: 22 Jun 2020 19:54

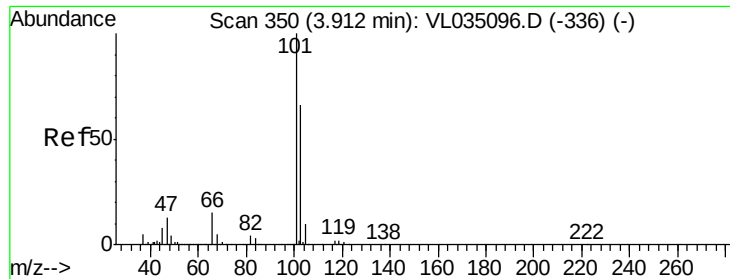
Tgt Ion: 43 Resp: 1491058

Ion Ratio Lower Upper

43 100

57 52.2 41.9 62.9





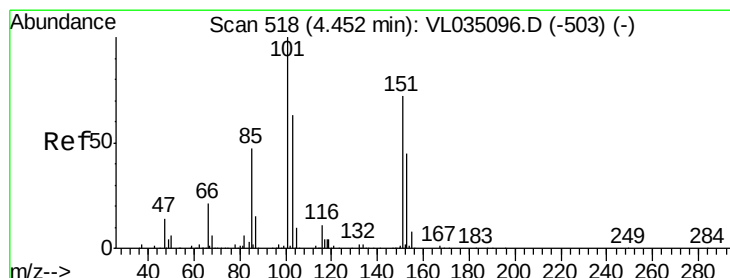
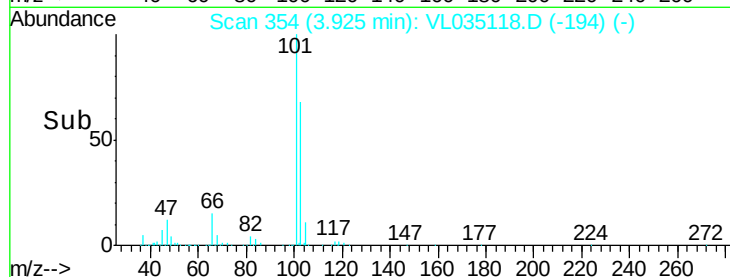
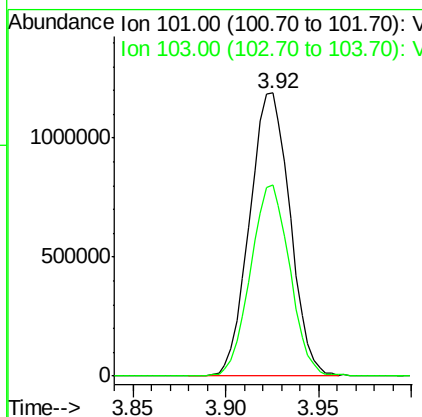
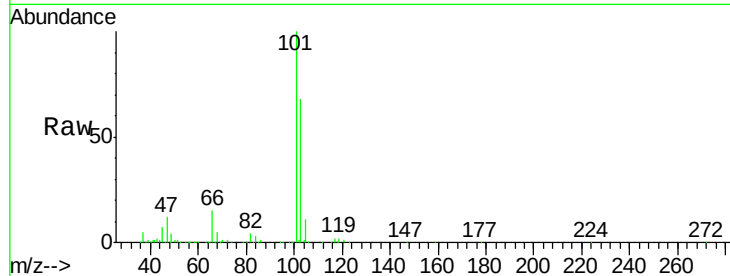
#11
 Trichlorofluoromethane
 Concen: 9.786 ppbv
 RT: 3.92 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion:101 Resp: 1801932
 Ion Ratio Lower Upper
 101 100
 103 67.6 52.6 79.0

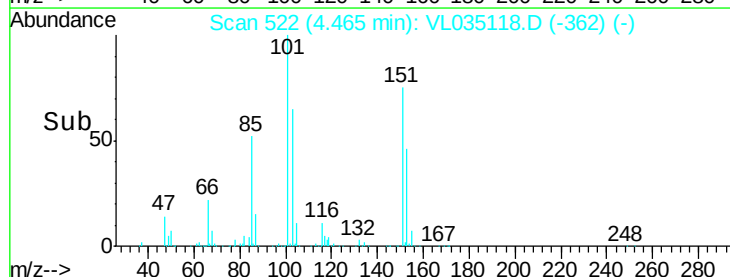
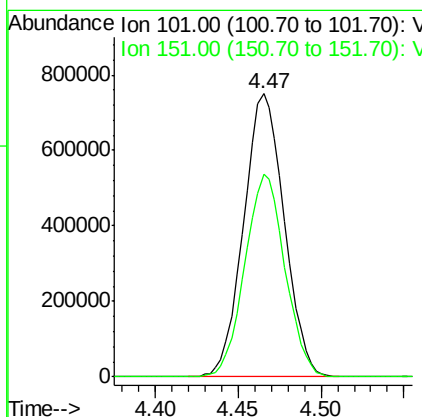
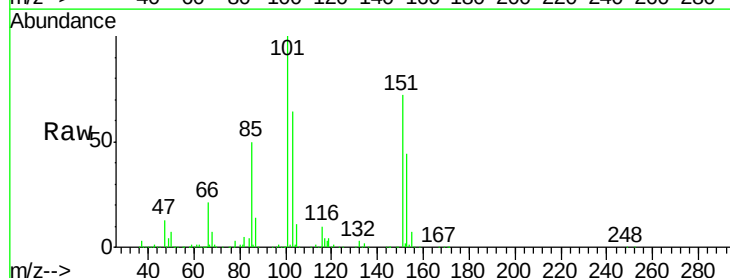
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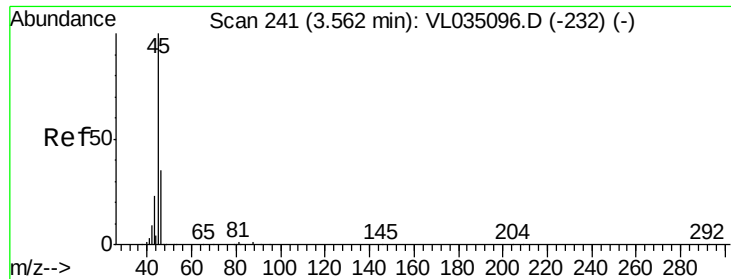
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.026 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. 0.01 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Tgt Ion:101 Resp: 1276567
 Ion Ratio Lower Upper
 101 100
 151 70.8 56.6 85.0





#13

Ethanol

Concen: 7.024 ppbv

RT: 3.58 min Scan# 246

Delta R.T. 0.02 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

ClientSampleID :

VL0622ABS01

Tot Ion: 45 Resp: 148152

Ion Ratio Lower Upper

45 100

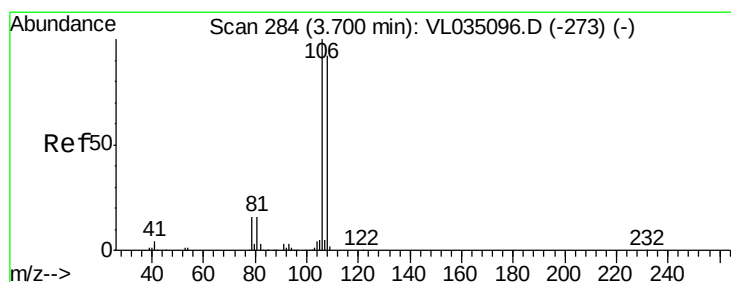
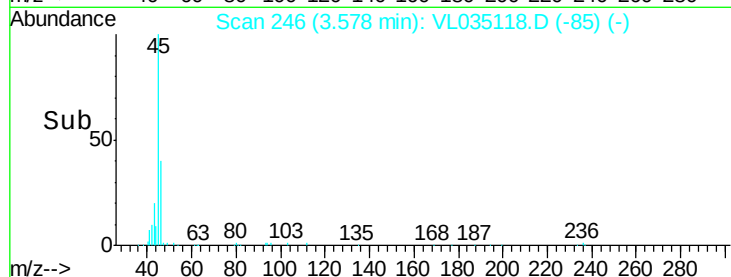
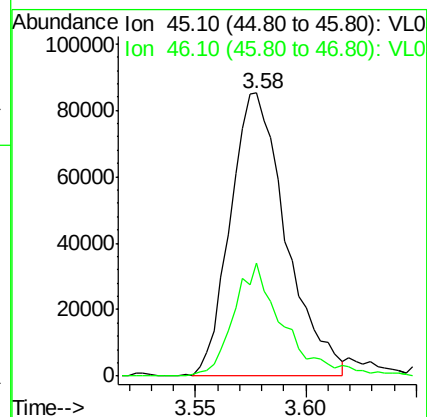
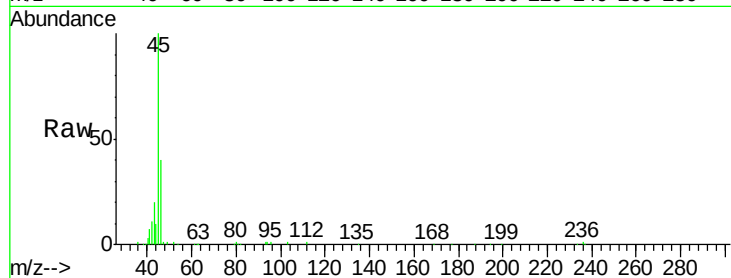
46 36.5 14.2 57.0

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#14

Bromoethene

Concen: 9.976 ppbv

RT: 3.71 min Scan# 287

Delta R.T. 0.01 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

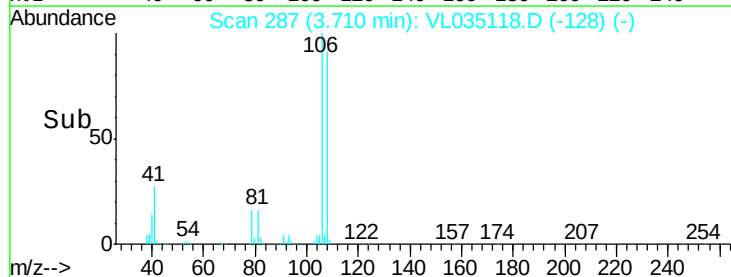
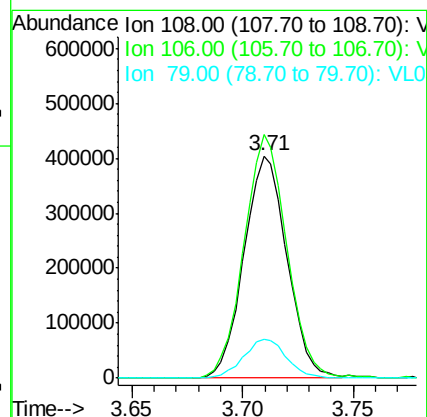
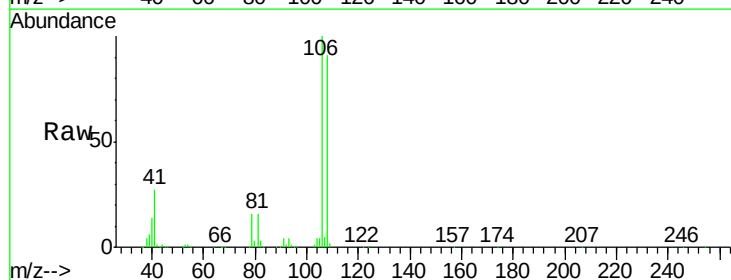
Tgt Ion: 108 Resp: 547510

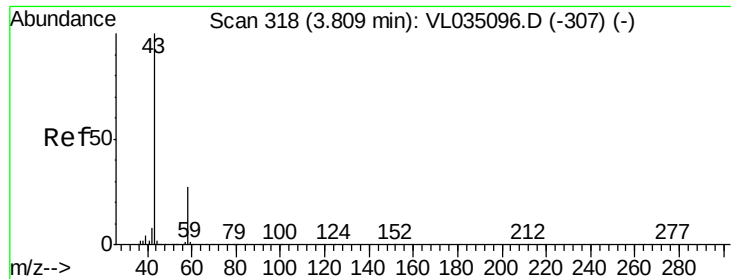
Ion Ratio Lower Upper

108 100

106 109.8 84.4 126.6

79 17.7 14.2 21.2





#15

Acetone

Concen: 8.835 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.01 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 43 Resp: 1363504

Ion Ratio Lower Upper

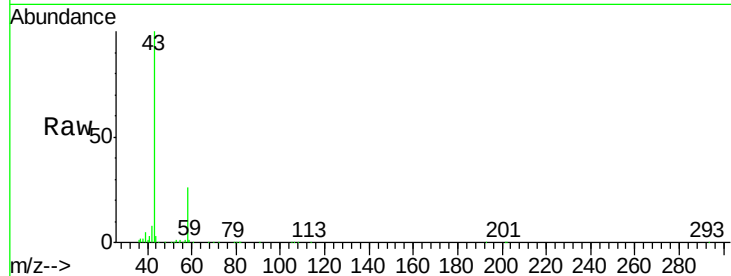
43 100

58 26.6 21.8 32.6

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.82

1000000

800000

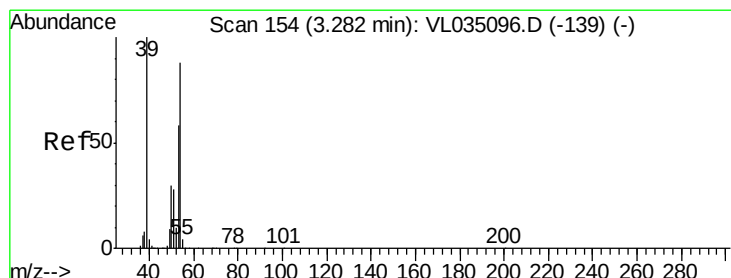
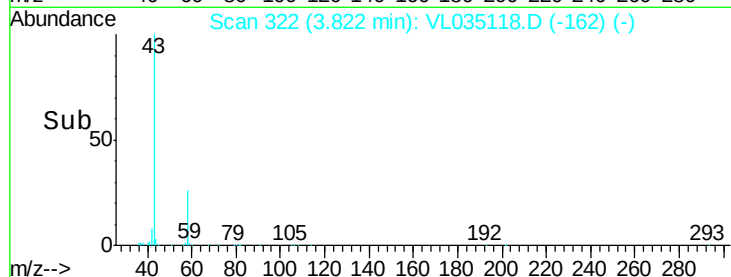
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 9.824 ppbv

RT: 3.29 min Scan# 157

Delta R.T. 0.01 min

Lab File: VL035118.D

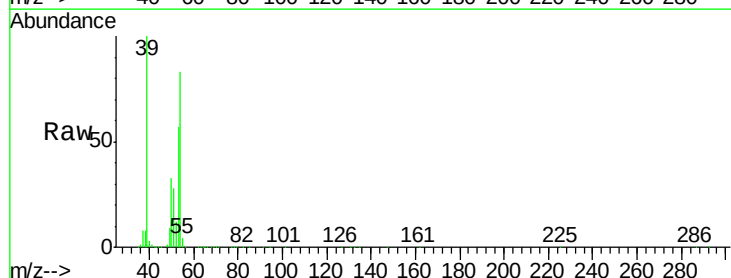
Acq: 22 Jun 2020 19:54

Tgt Ion: 39 Resp: 664961

Ion Ratio Lower Upper

39 100

54 83.5 67.0 100.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.29

600000

500000

400000

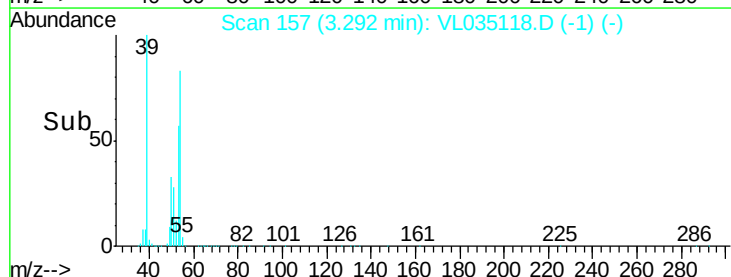
300000

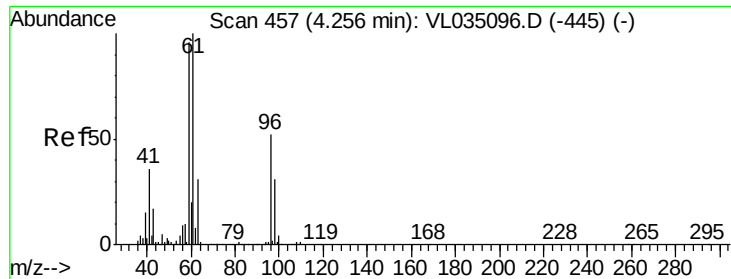
200000

100000

0

Time-->





#17

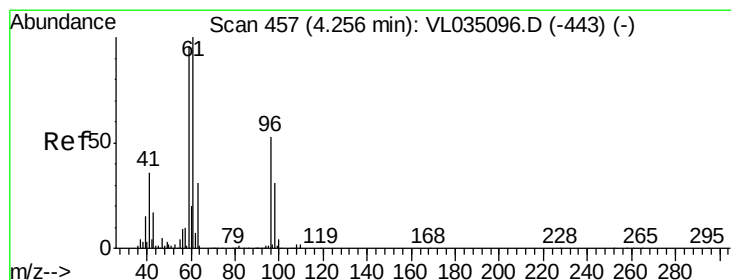
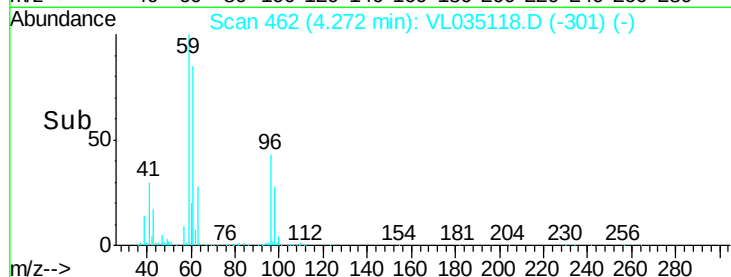
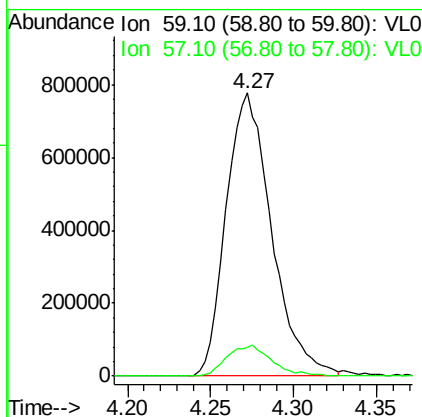
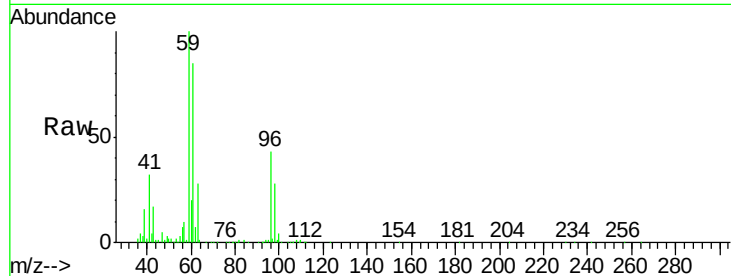
tert-Butyl alcohol
Concen: 10.801 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.02 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 59 Resp: 1477291
Ion Ratio Lower Upper
59 100
57 11.0 8.6 12.8

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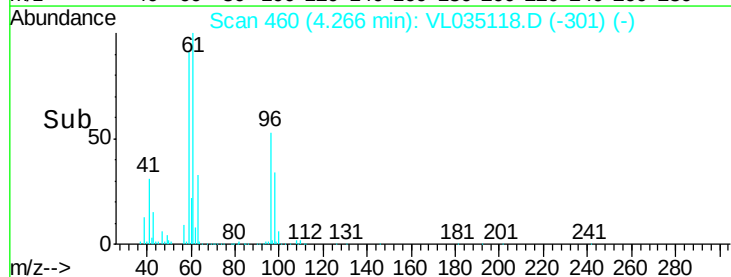
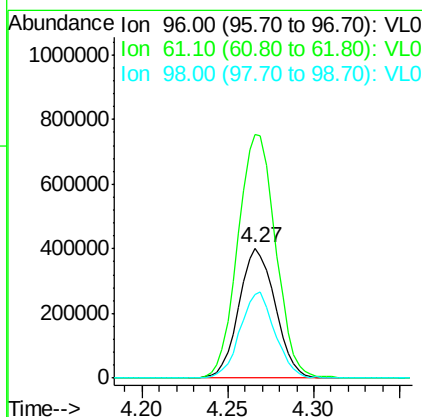
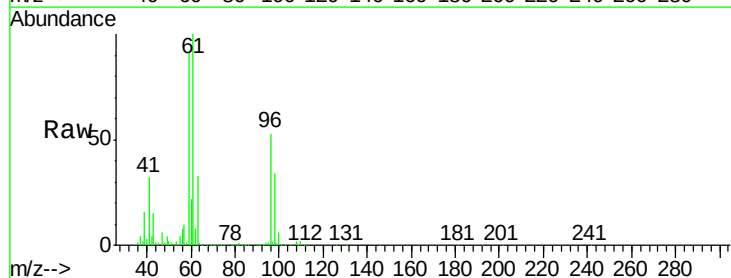
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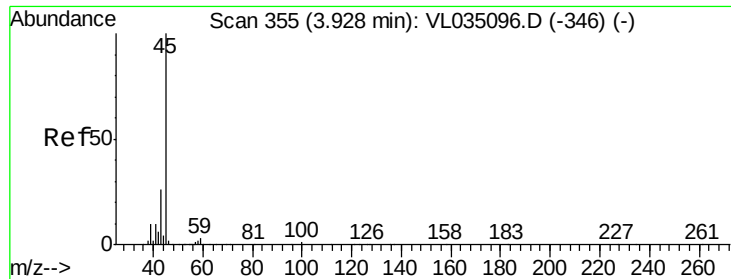


#18

1,1-Dichloroethene
Concen: 10.341 ppbv
RT: 4.27 min Scan# 460
Delta R.T. 0.01 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Tgt Ion: 96 Resp: 593868
Ion Ratio Lower Upper
96 100
61 187.0 152.2 228.4
98 64.3 47.7 71.5





#19

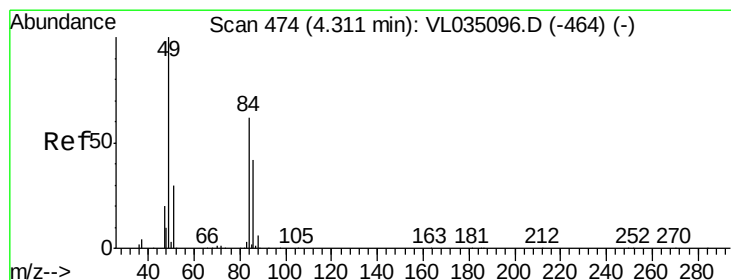
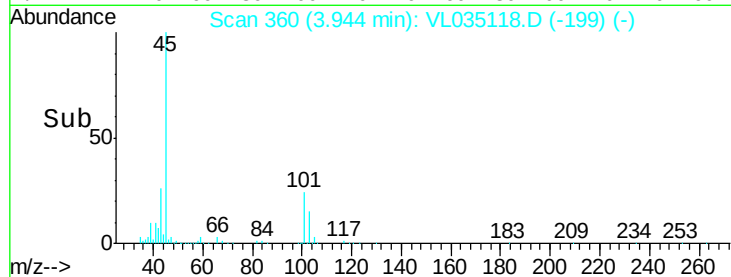
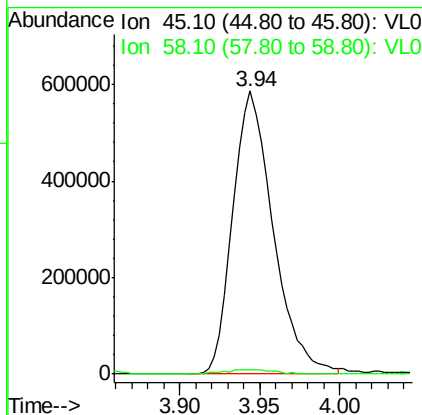
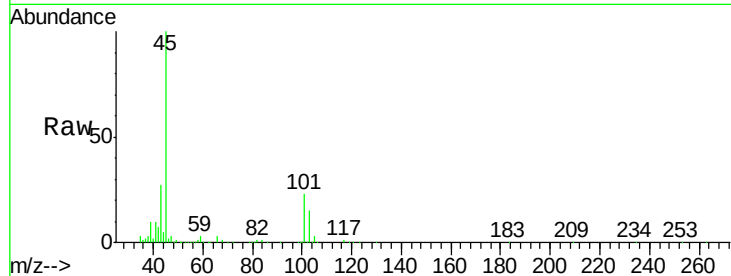
Isopropyl Alcohol
 Concen: 10.091 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.02 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion	45	Resp	1011211
Ion Ratio	100	Lower	Upper
45	100		
58	2.2	1.8	2.8

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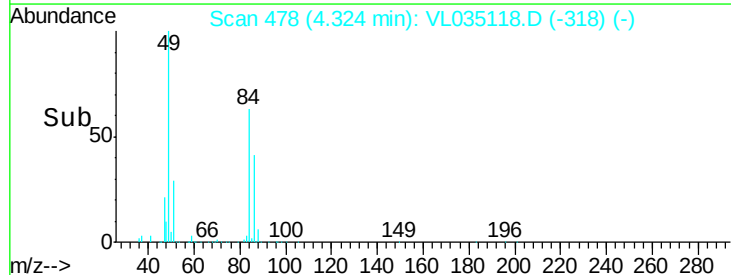
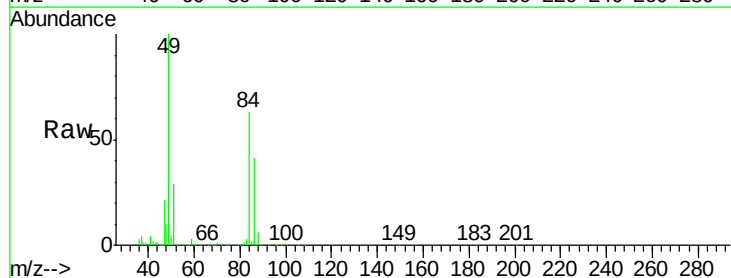
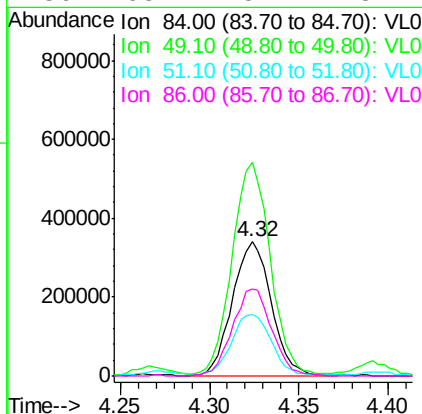
MMDadoda
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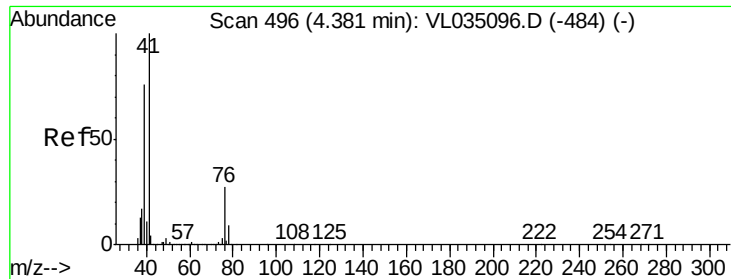


#20

Methylene Chloride
 Concen: 8.339 ppbv
 RT: 4.32 min Scan# 478
 Delta R.T. 0.01 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Tgt Ion	84	Resp	520864
Ion Ratio	100	Lower	Upper
84	100		
49	158.0	128.8	193.2
51	44.6	38.7	58.1
86	65.1	54.1	81.1





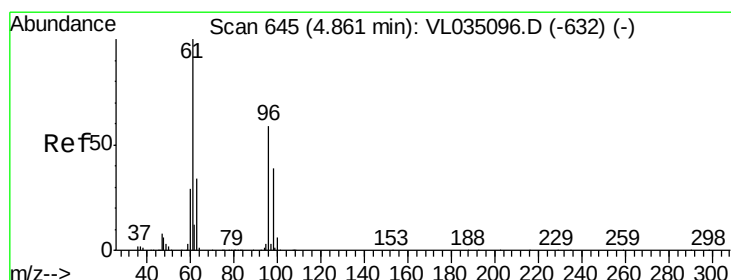
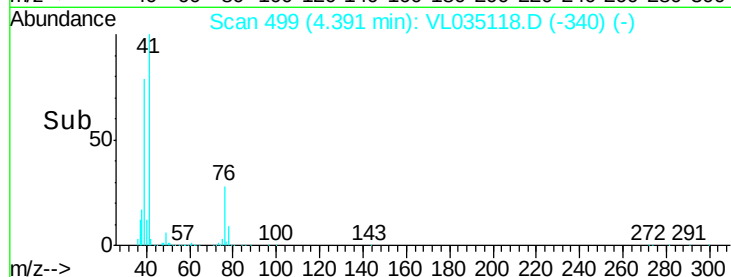
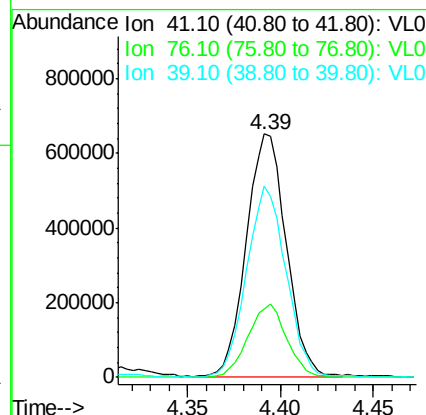
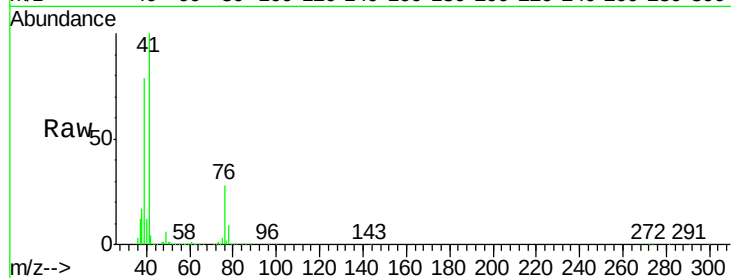
#21
Allvl Chloride
Concen: 10.562 ppbv
RT: 4.39 min Scan# 499
Delta R.T. 0.01 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.4	22.6	34.0
39	77.8	61.6	92.4

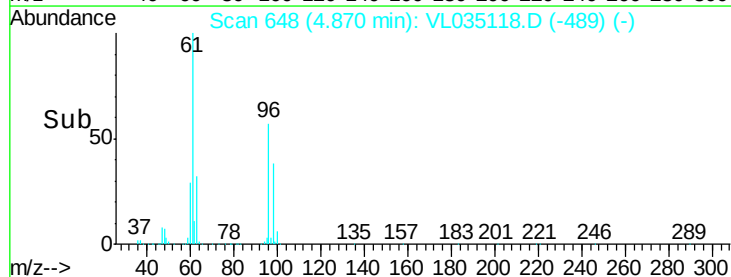
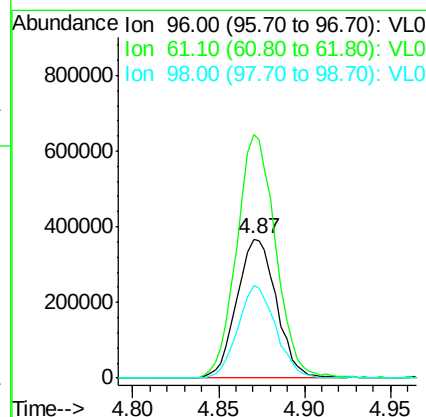
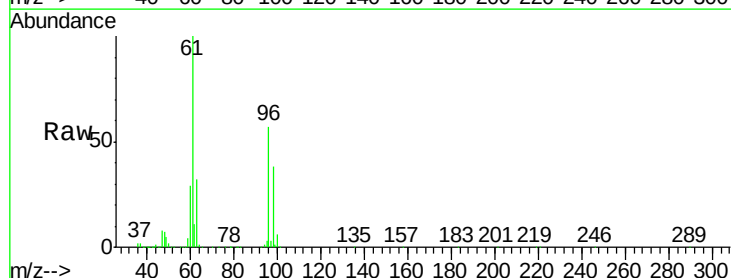
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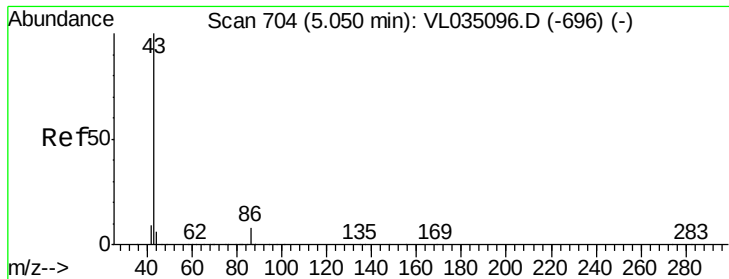
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#22
trans-1,2-Dichloroethene
Concen: 10.864 ppbv
RT: 4.87 min Scan# 648
Delta R.T. 0.01 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.4	134.5	201.7
98	66.5	52.6	79.0





#23

Vinyl Acetate

Concen: 10.429 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 43 Resp: 1953604

Ion Ratio Lower Upper

43 100

86 8.0 6.2 9.2

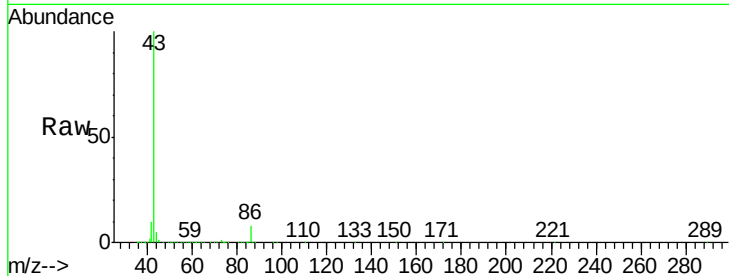
42 10.1 8.1 12.1

44 5.1 4.6 7.0

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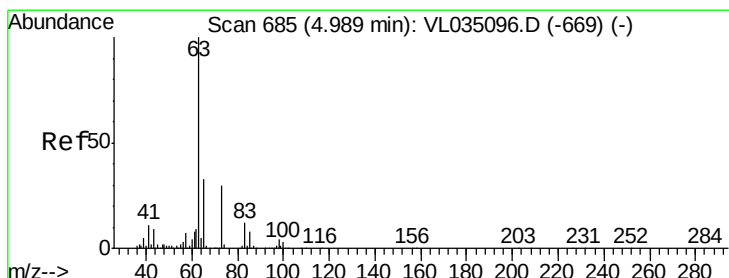
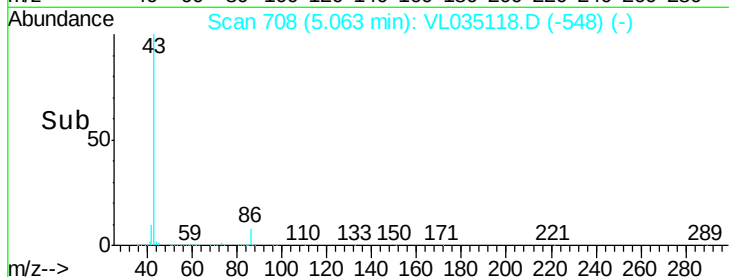
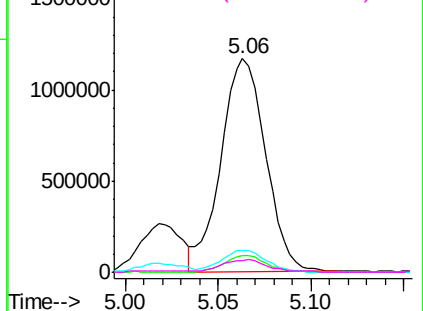


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.493 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.01 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

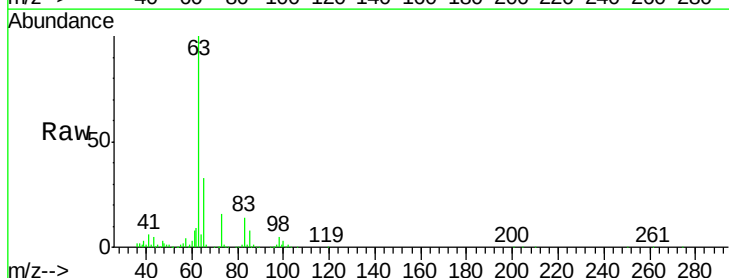
Tgt Ion: 63 Resp: 1499293

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.9

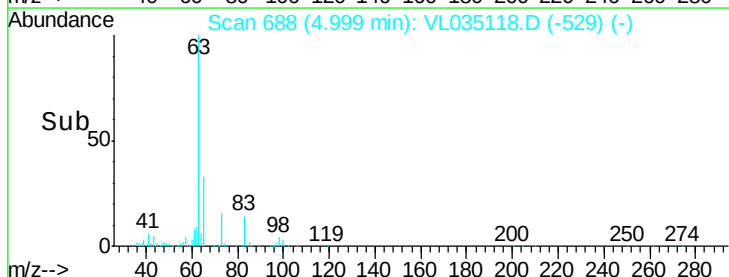
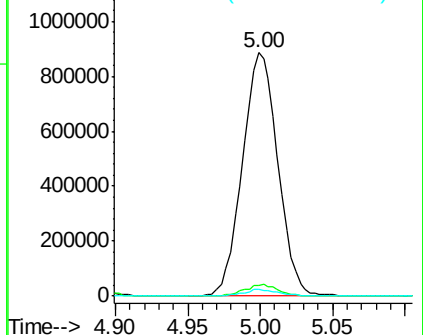
100 2.8 1.4 4.0

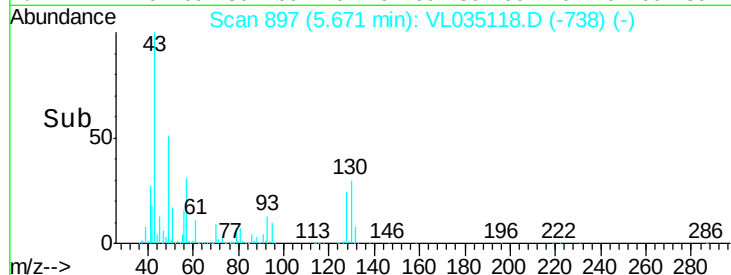
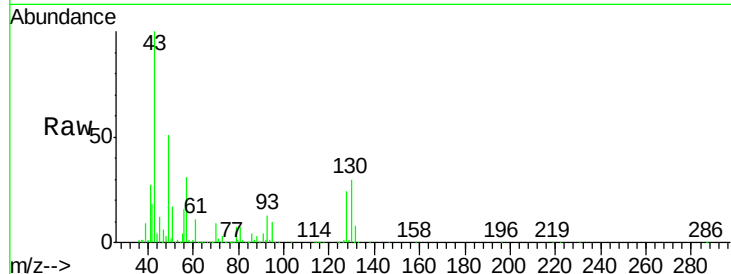
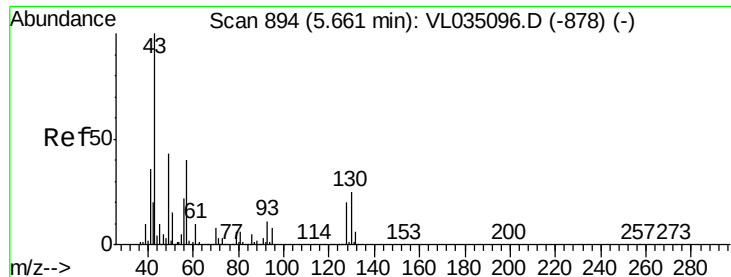


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

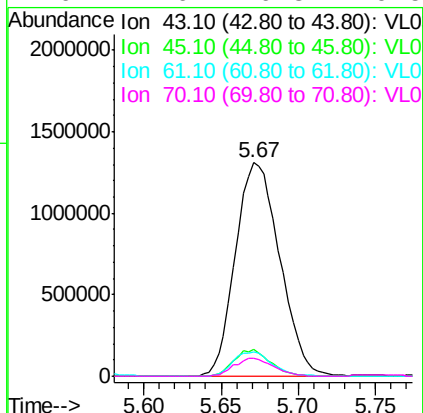
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.347 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

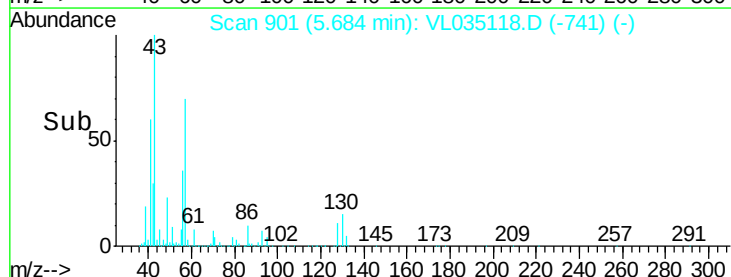
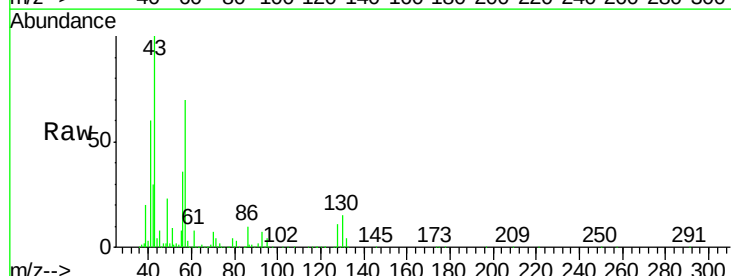
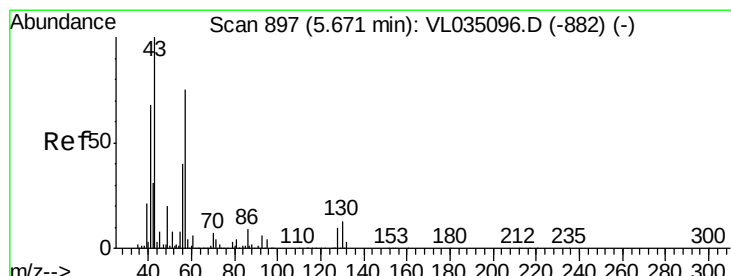
Tot Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.4	12.6
61	10.2	8.0	12.0
70	7.6	6.3	9.5



Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

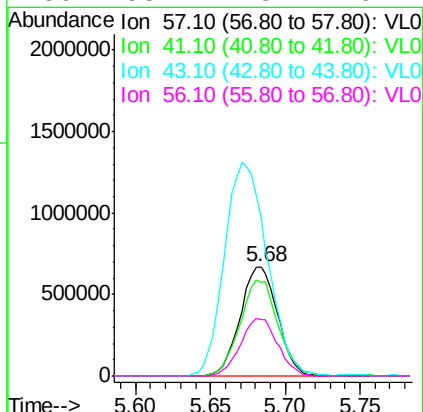
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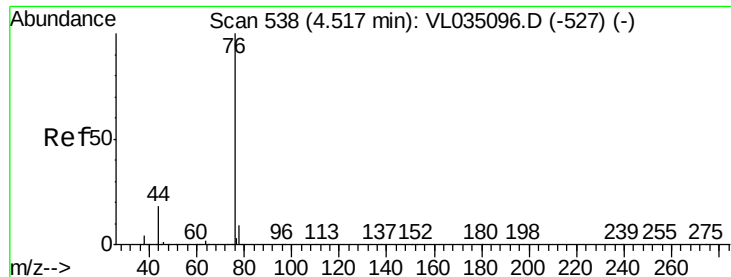
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#26
Hexane
Concen: 9.259 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Tgt Ion	Ratio	Lower	Upper
57	100		
41	91.7	72.9	109.3
43	225.1	181.3	271.9
56	53.1	43.1	64.7





#27

Carbon Disulfide

Concen: 12.349 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.02 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 76 Resp: 1604692

Ion Ratio Lower Upper

76 100

44 18.2 15.8 23.8

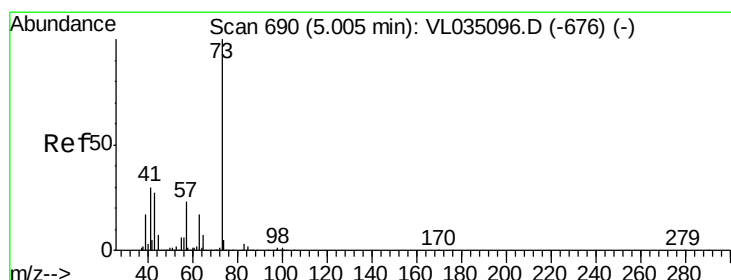
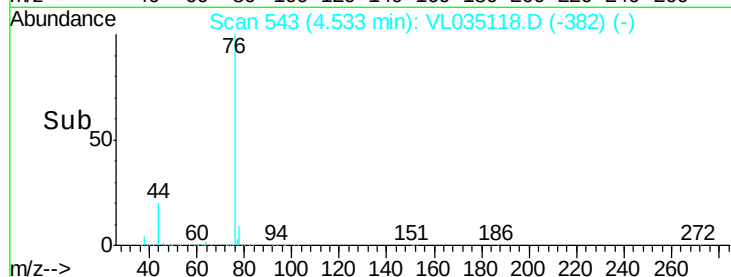
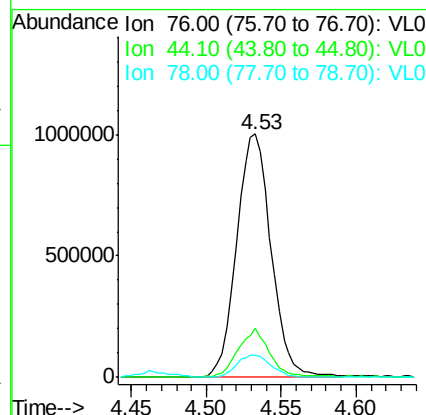
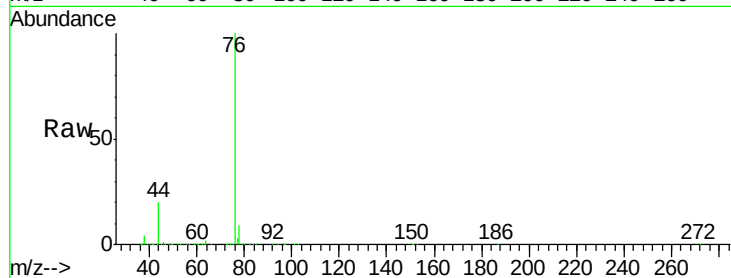
78 9.1 7.6 11.4

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#28

Methyl tert-Butyl Ether

Concen: 10.044 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.02 min

Lab File: VL035118.D

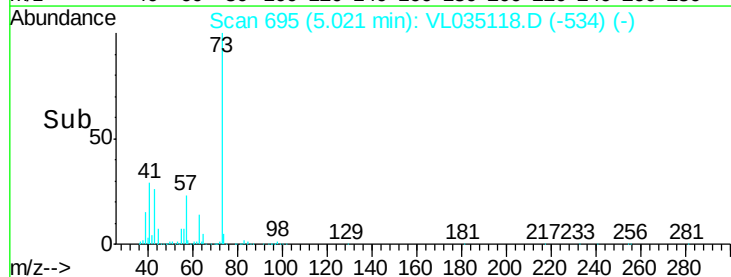
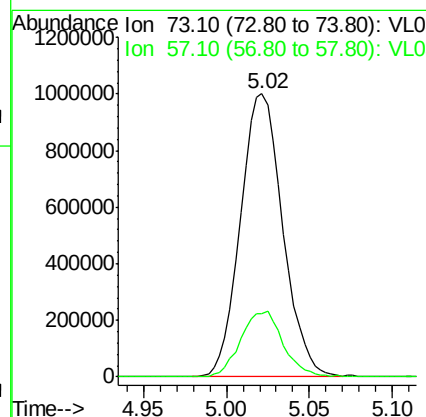
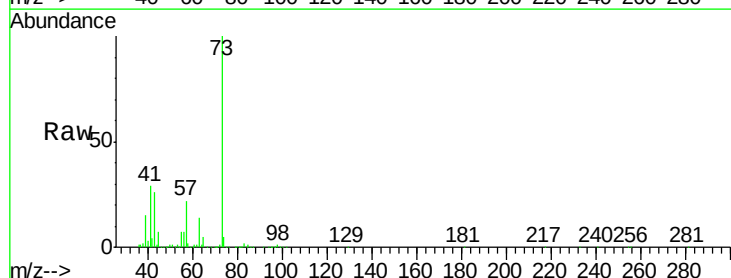
Acq: 22 Jun 2020 19:54

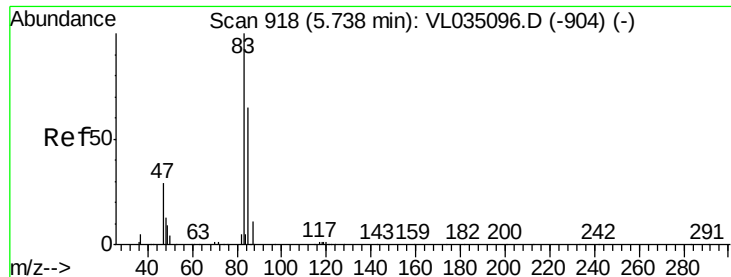
Tgt Ion: 73 Resp: 1772021

Ion Ratio Lower Upper

73 100

57 23.3 18.5 27.7





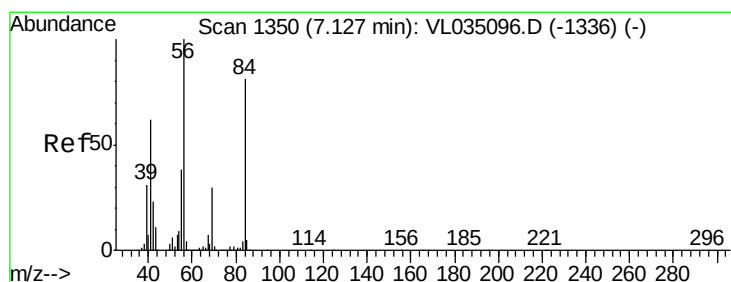
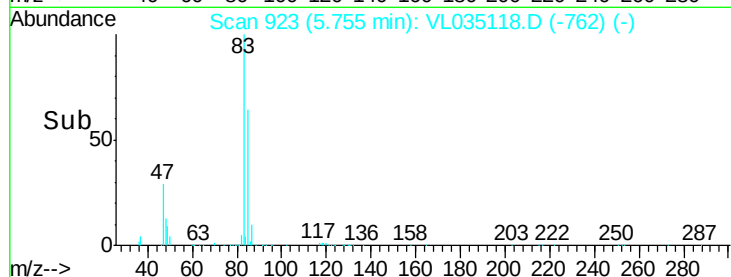
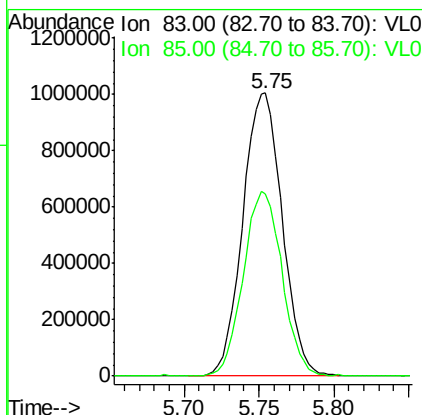
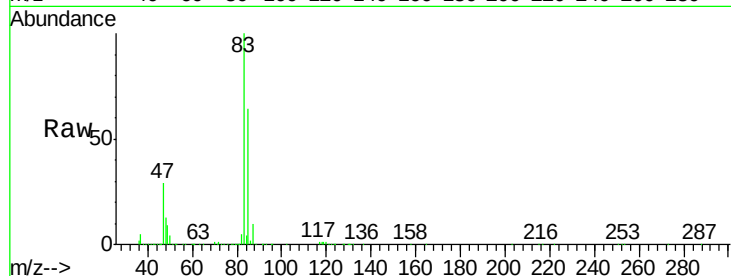
#29
Chloroform
Concen: 9.402 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.02 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 83 Resp: 1847558
Ion Ratio Lower Upper
83 100
85 64.1 52.1 78.1

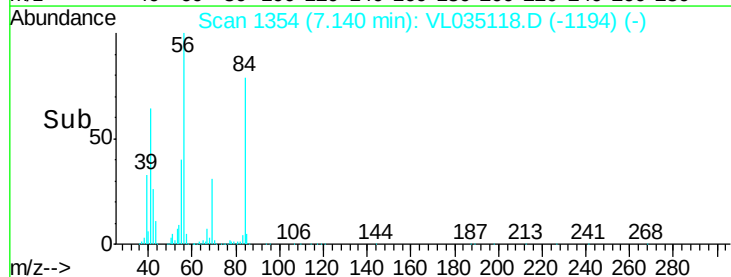
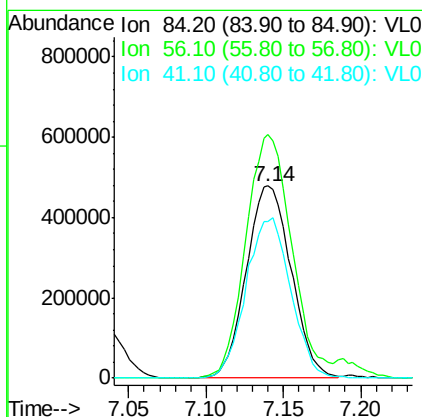
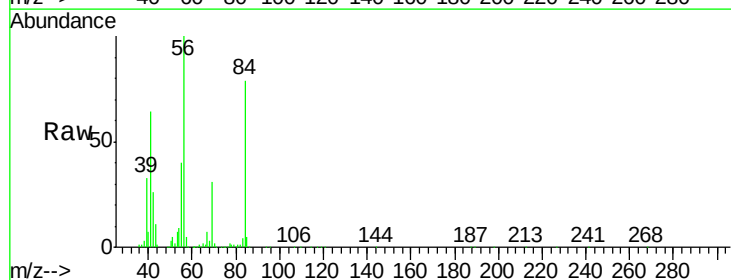
Manual Integrations
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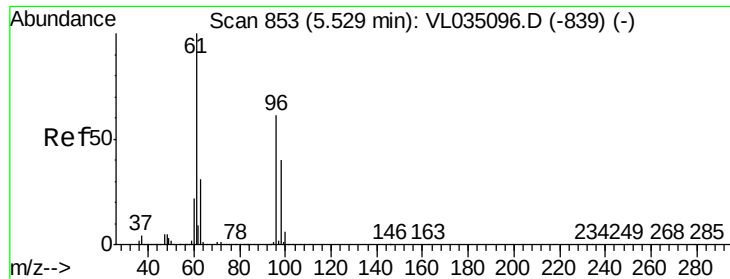
MMDadoda
6/23/2020 10:59:46 AM



#30
Cyclohexane
Concen: 10.747 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Tgt Ion: 84 Resp: 968568
Ion Ratio Lower Upper
84 100
56 135.2 108.0 162.0
41 83.0 65.6 98.4





#31

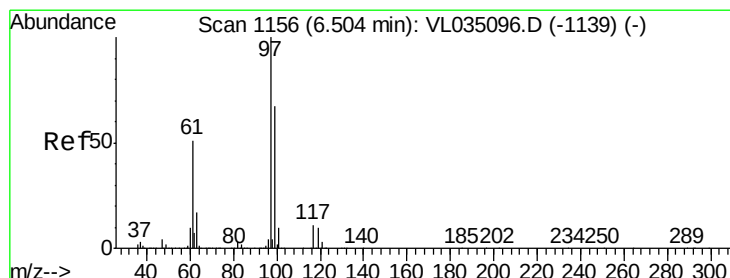
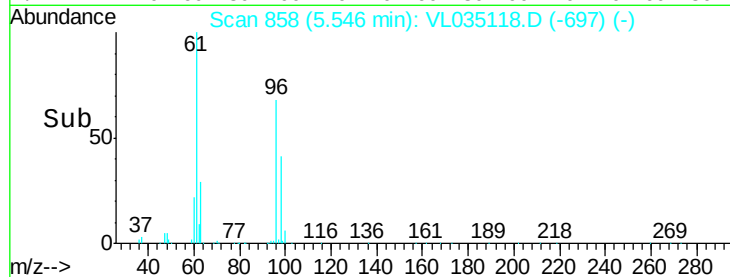
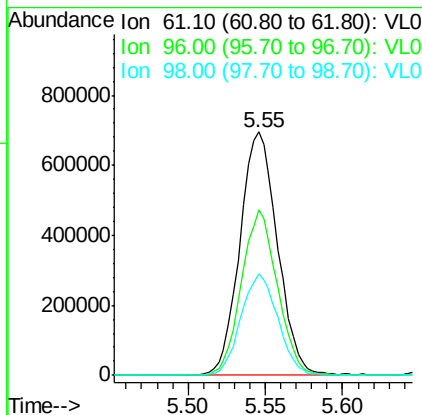
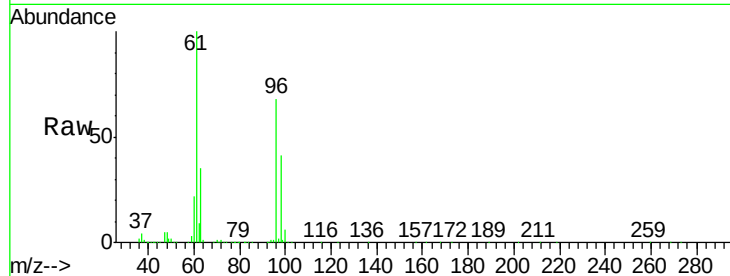
cis-1,2-Dichloroethene
Concen: 10.129 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.02 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.9	48.8	73.2
98	41.5	31.9	47.9

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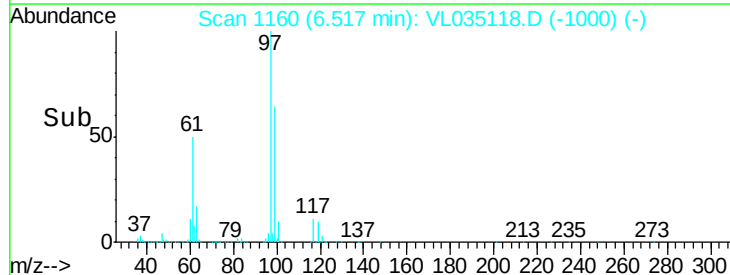
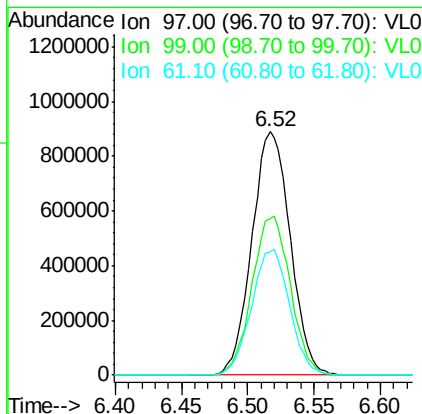
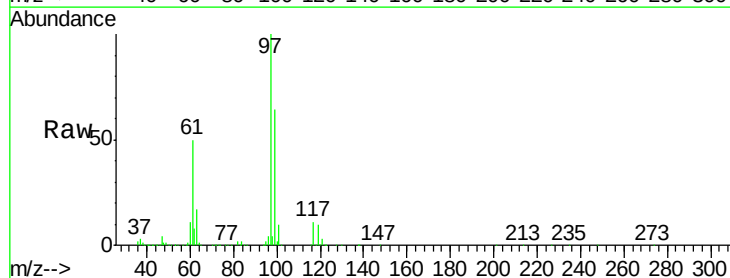
MMDadoda
6/23/2020 10:59:46 AM

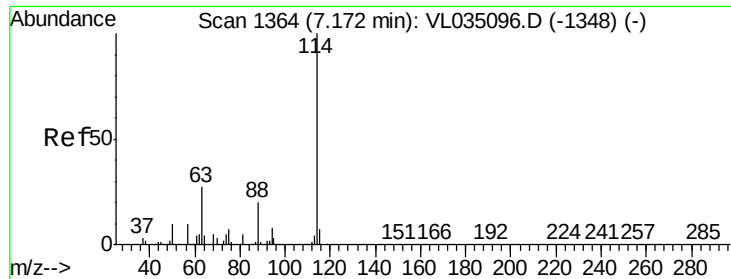


#32

1,1,1-Trichloroethane
Concen: 9.887 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.0	78.0
61	51.4	41.0	61.6





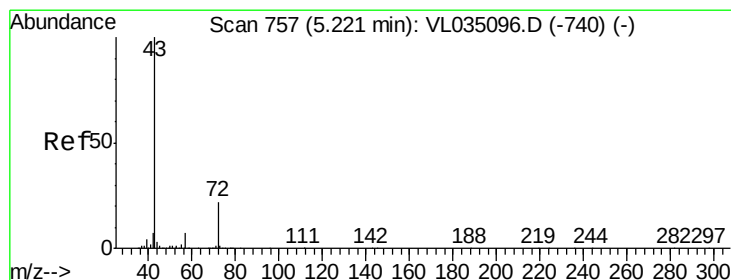
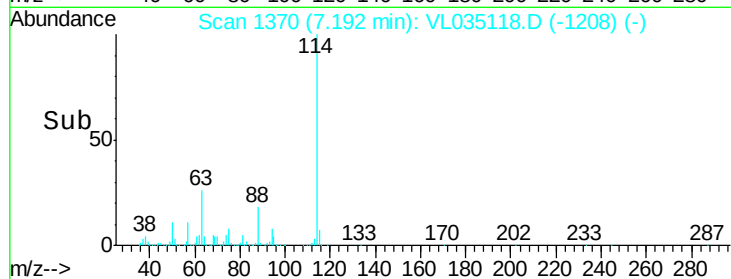
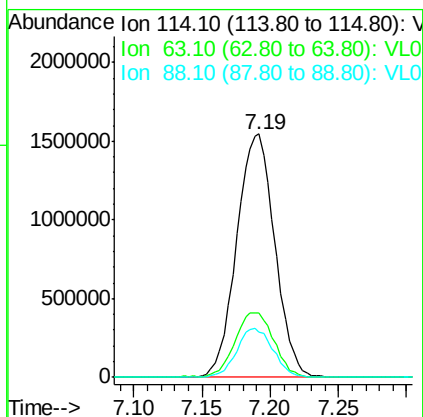
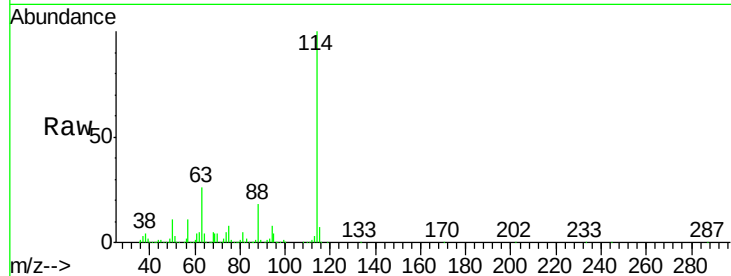
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.02 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.7	21.9	32.9
88	19.4	15.6	23.4

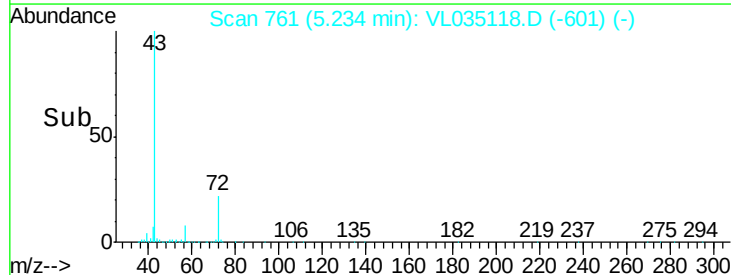
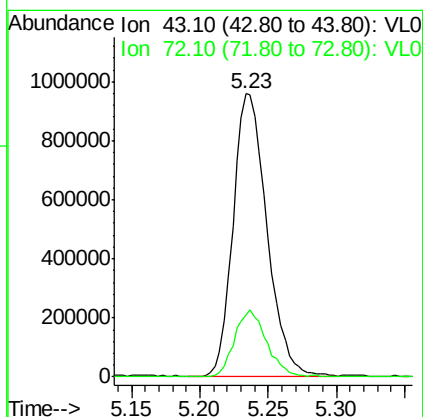
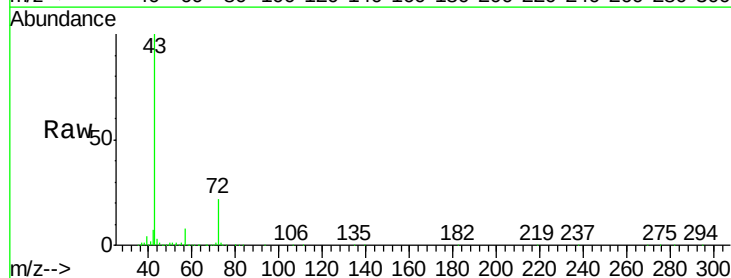
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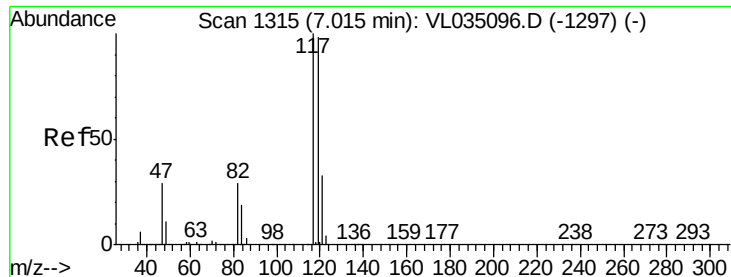
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#34
 2-Butanone
 Concen: 9.626 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.3	27.5





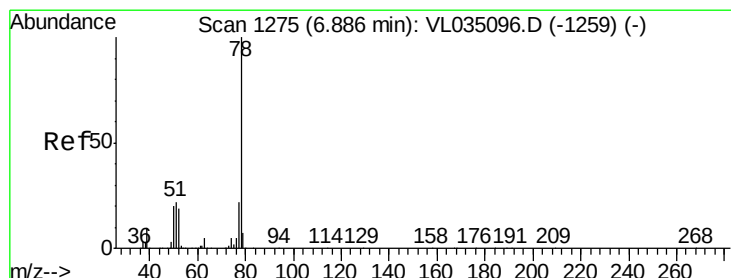
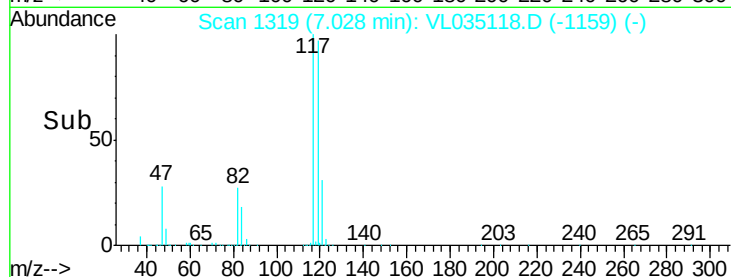
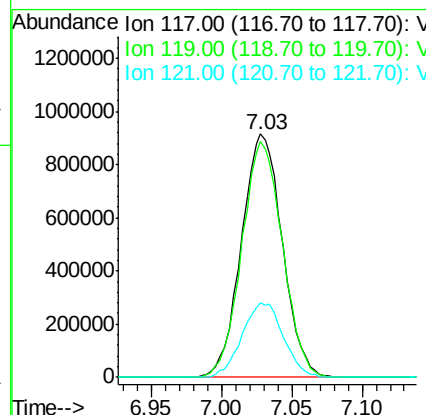
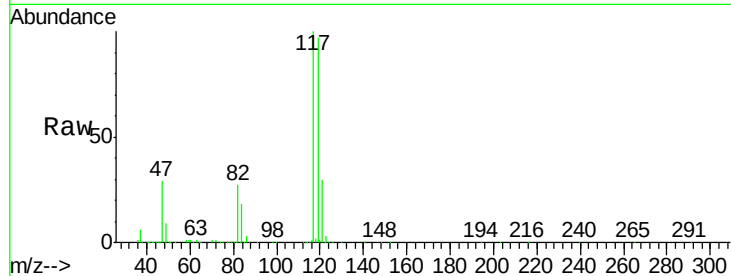
#35
Carbon Tetrachloride
Concen: 10.357 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.3	117.5
121	30.4	26.0	39.0

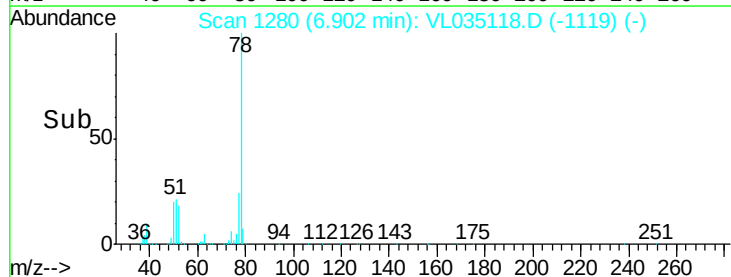
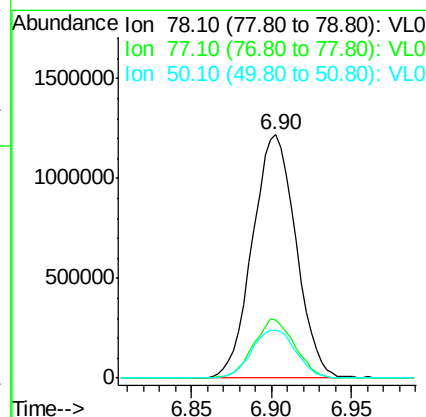
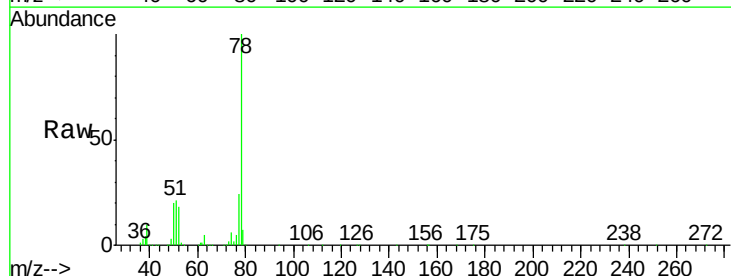
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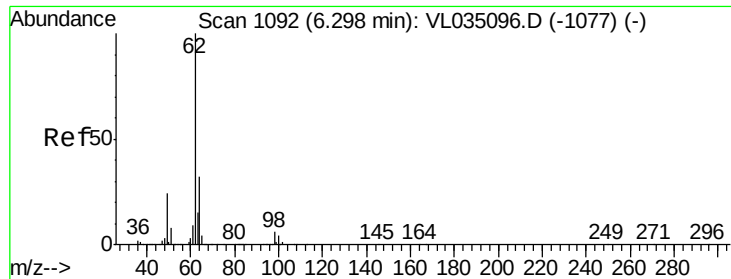
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#36
Benzene
Concen: 9.827 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.02 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	17.8	26.6
50	19.7	16.2	24.2





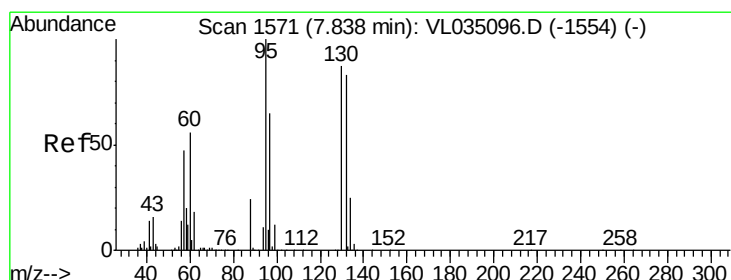
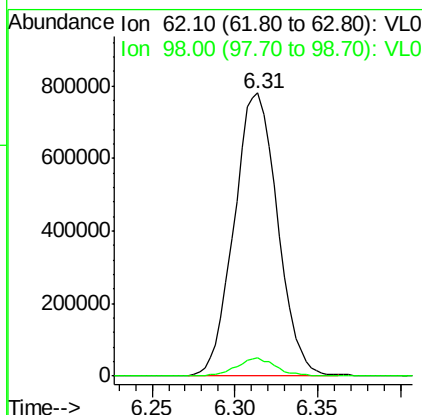
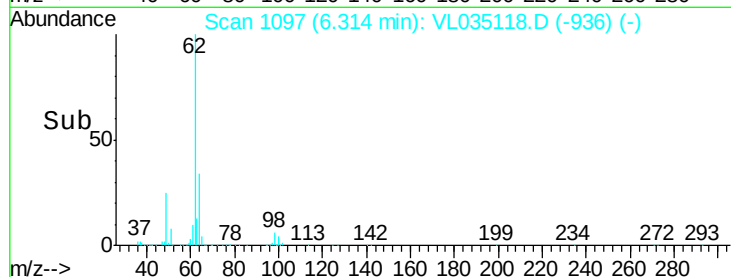
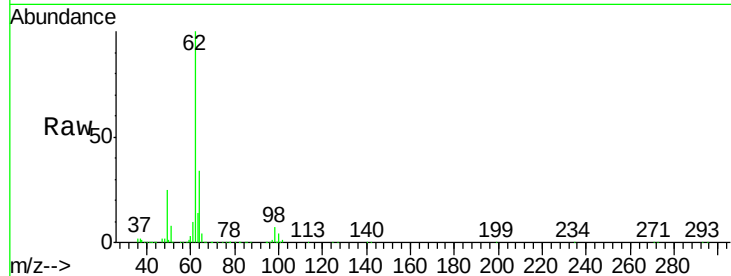
#37
 1,2-Dichloroethane
 Concen: 9.723 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.02 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion: 62 Resp: 1420484
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.8 7.2

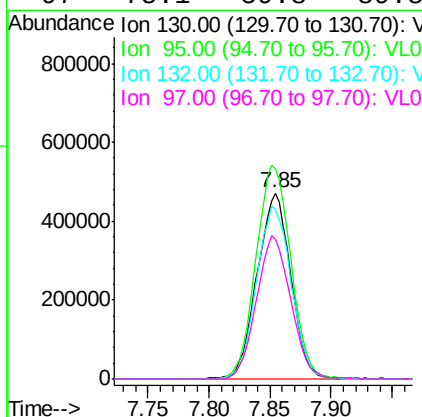
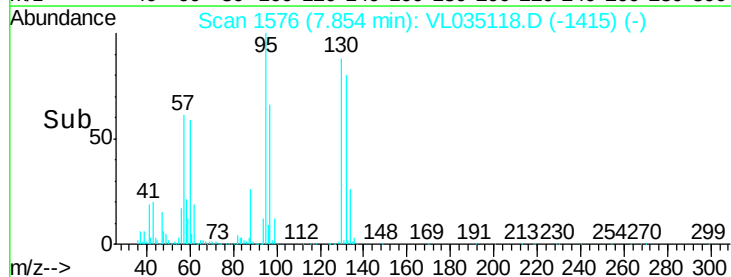
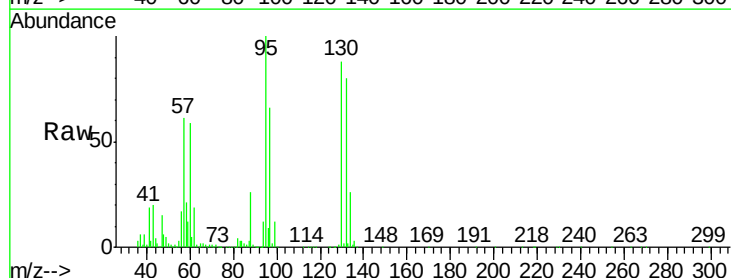
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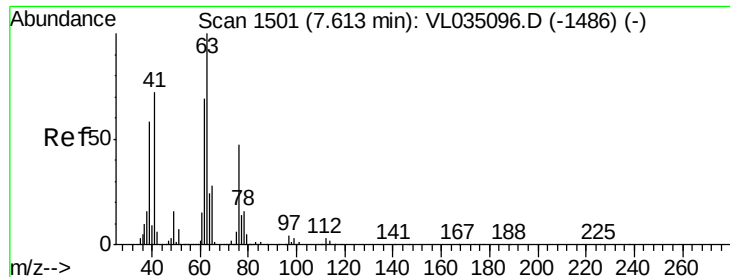
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 6/23/2020 10:59:46 AM



#38
 Trichloroethene
 Concen: 10.059 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.02 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Tgt Ion: 130 Resp: 903156
 Ion Ratio Lower Upper
 130 100
 95 113.3 91.4 137.2
 132 90.8 75.8 113.6
 97 75.1 59.8 89.8





#39

1,2-Dichloropropane

Concen: 10.027 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.02 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

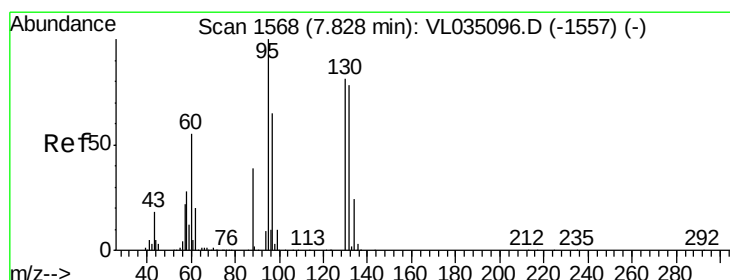
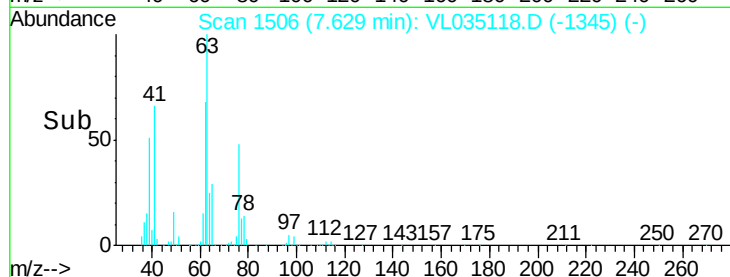
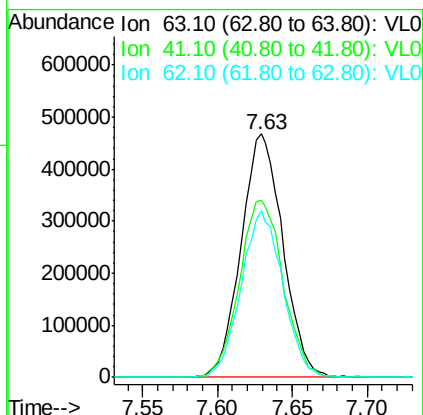
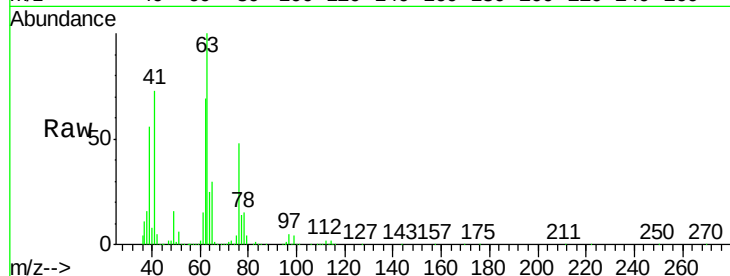
ClientSampleId :

VL0622ABS01

Tot Ion:	63	Resp:	906547
Ion Ratio	Lower	Upper	
63	100		
41	72.5	58.0	87.0
62	68.6	55.4	83.0

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.767 ppbv m

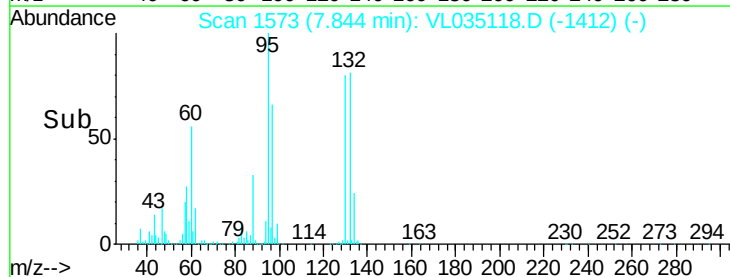
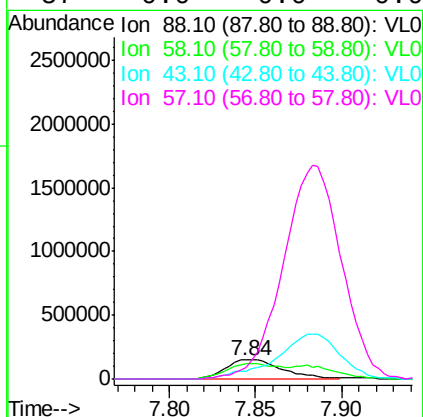
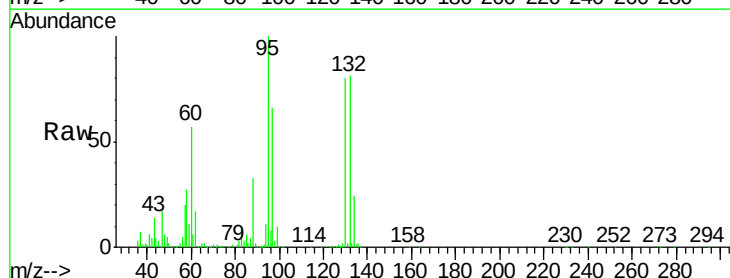
RT: 7.84 min Scan# 1573

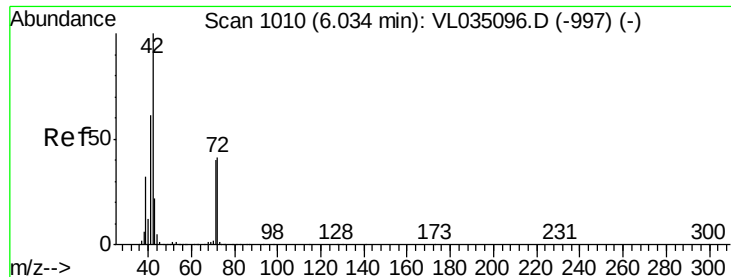
Delta R.T. 0.02 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Tgt Ion:	88	Resp:	348320
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: 10.570 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

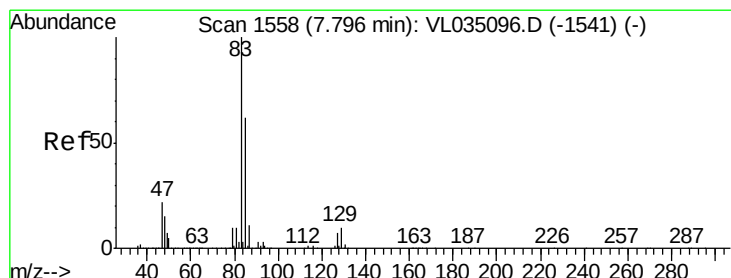
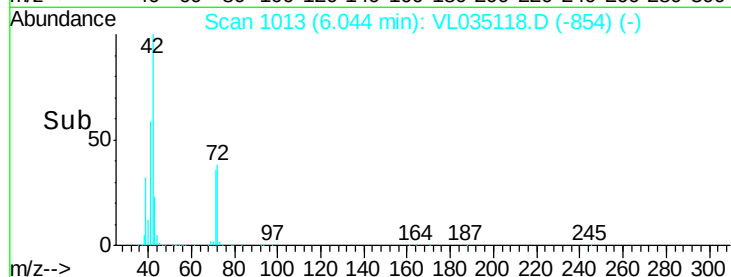
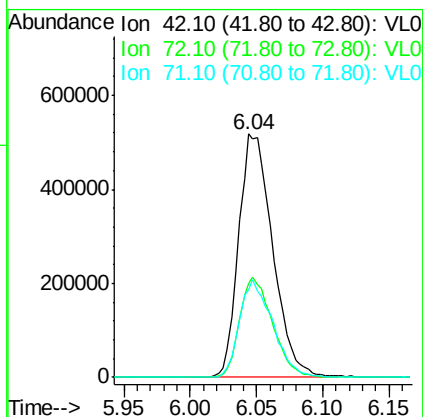
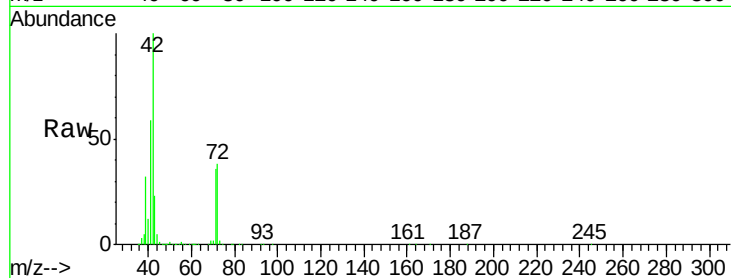
ClientSampleId :

VL0622ABS01

Tot Ion:	42	Resp:	925571
Ion Ratio	Lower	Upper	
42	100		
72	39.9	33.4	50.2
71	39.0	31.8	47.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.377 ppbv

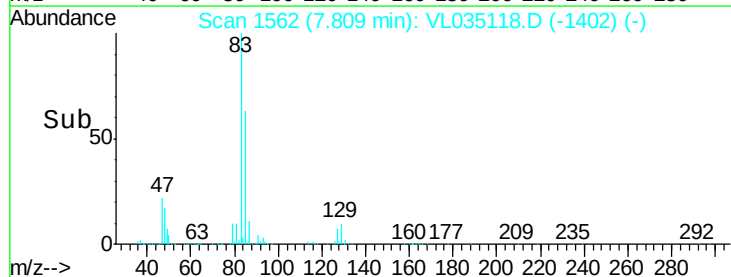
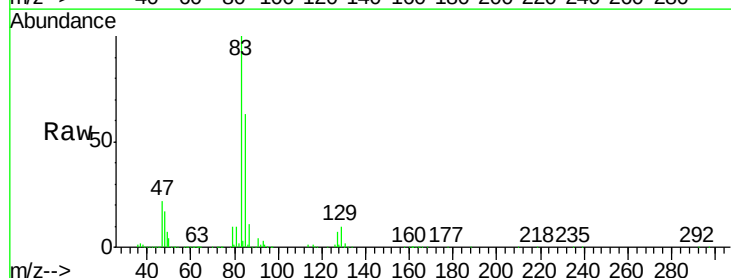
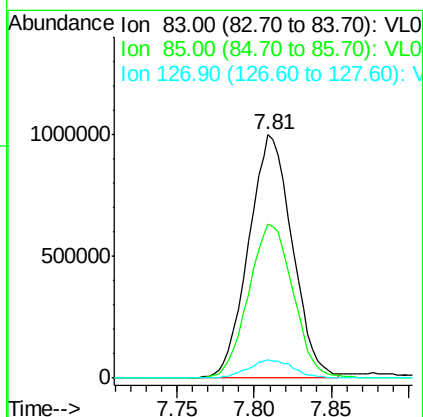
RT: 7.81 min Scan# 1562

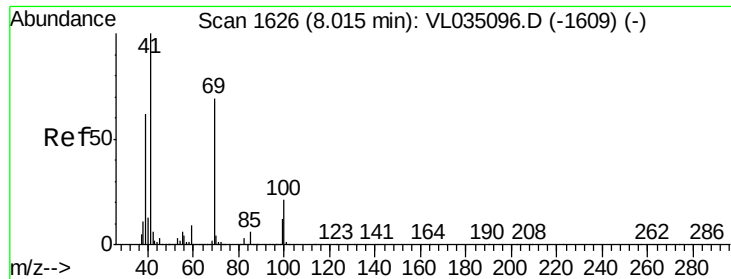
Delta R.T. 0.01 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Tgt Ion:	83	Resp:	1963463
Ion Ratio	Lower	Upper	
83	100		
85	63.4	49.4	74.0
127	7.3	5.9	8.9





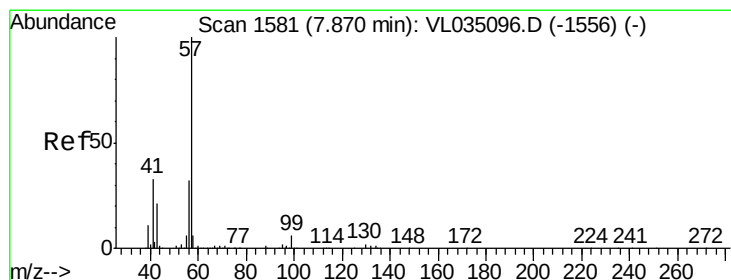
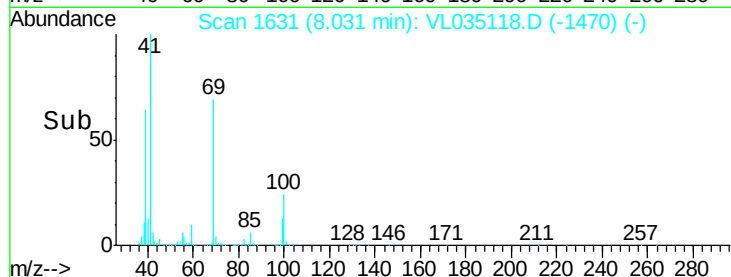
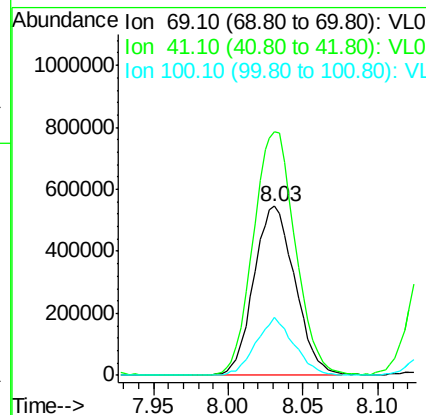
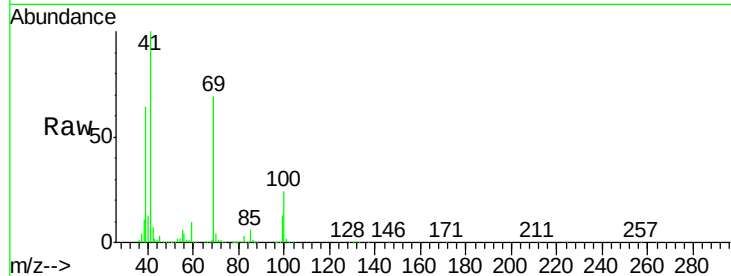
#43
Methyl Methacrylate
Concen: 10.672 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.02 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 69 Resp: 1044216
Ion Ratio Lower Upper
69 100
41 147.2 116.4 174.6
100 31.5 25.3 37.9

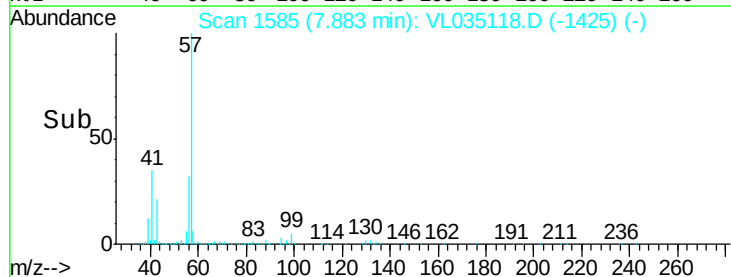
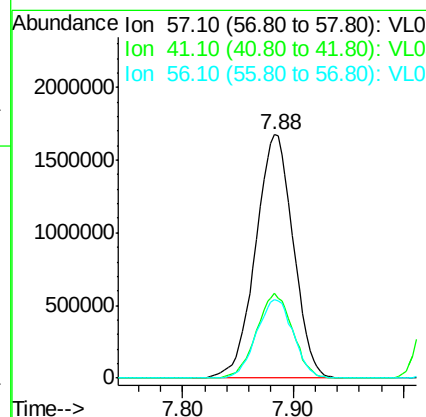
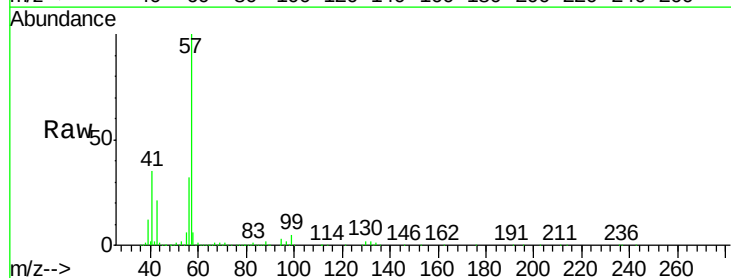
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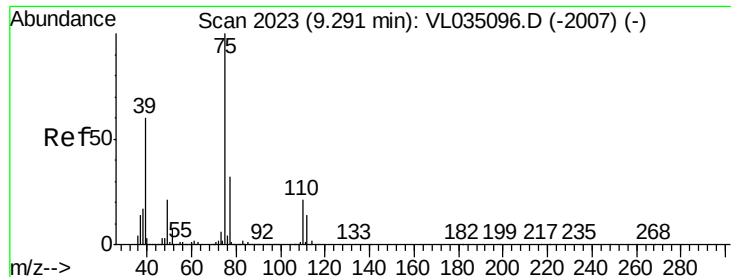
MMDadoda
6/23/2020 10:59:46 AM



#44
2,2,4-Trimethylpentane
Concen: 9.809 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Tgt Ion: 57 Resp: 3957533
Ion Ratio Lower Upper
57 100
41 33.5 26.2 39.2
56 31.7 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 12.664 ppbv

RT: 9.31 min Scan# 2028

Delta R.T. 0.02 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 75 Resp: 1205985

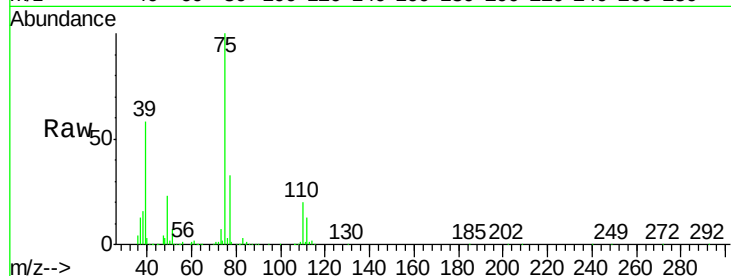
Ion Ratio Lower Upper

75 100

77 32.7 25.5 38.3

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.31

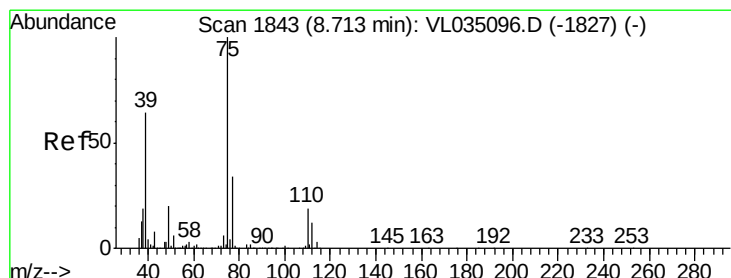
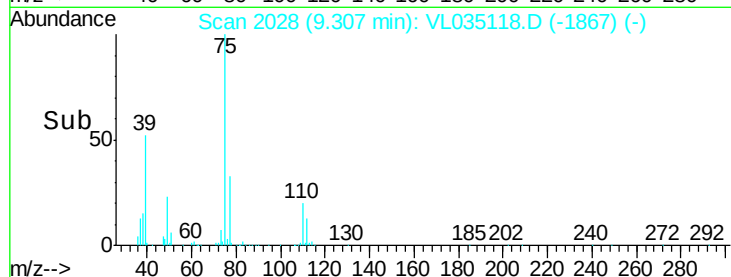
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.925 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

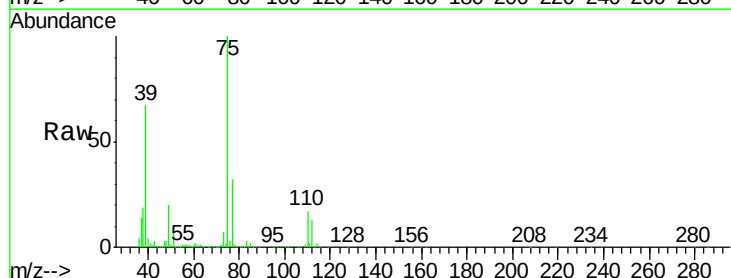
Tgt Ion: 75 Resp: 1410760

Ion Ratio Lower Upper

75 100

39 67.0 51.1 76.7

77 31.7 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

1000000

800000

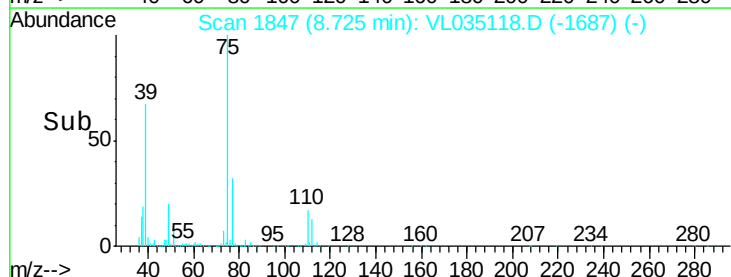
600000

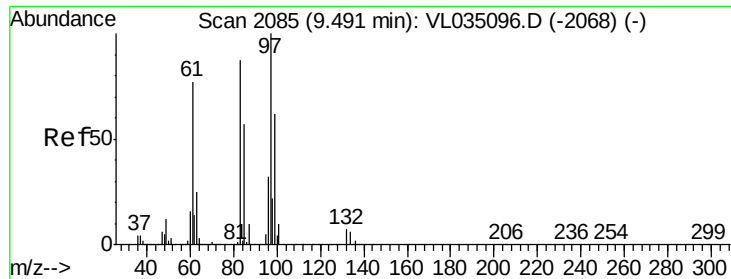
400000

200000

0

Time-->





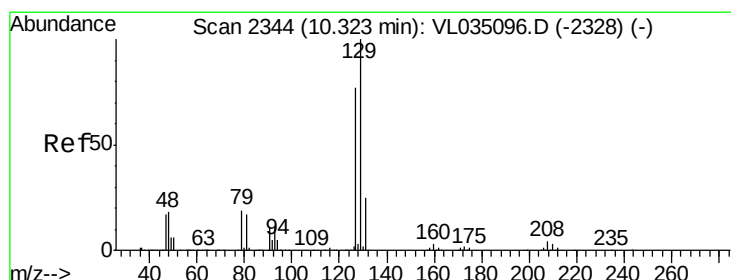
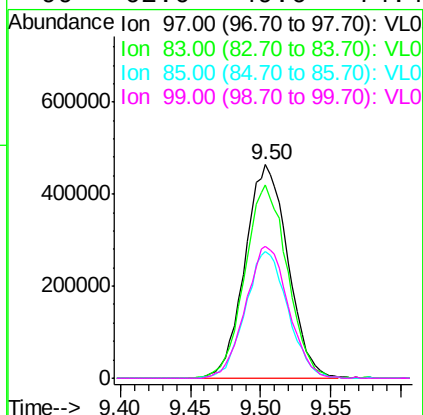
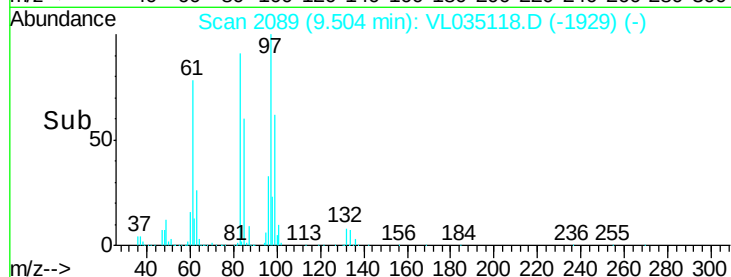
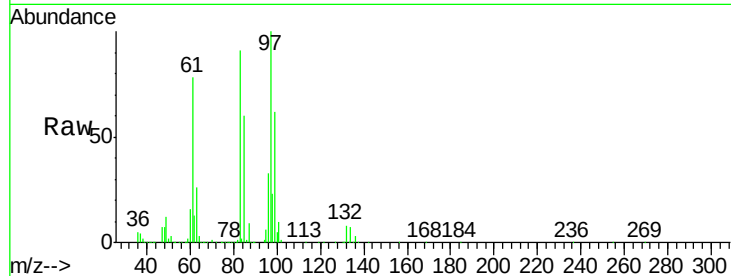
#47
1,1,2-Trichloroethane
Concen: 9.996 ppbv
RT: 9.50 min Scan# 2089
Delta R.T. 0.01 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		986397		
83	90.5	69.5	104.3		
85	59.6	46.0	69.0		
99	62.0	49.6	74.4		

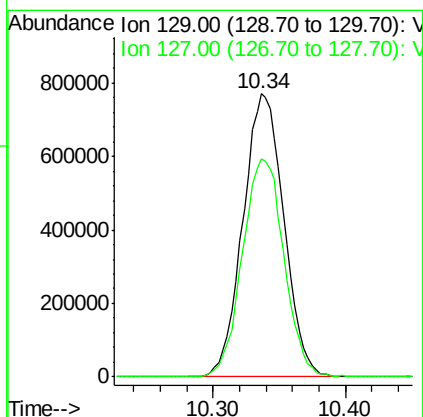
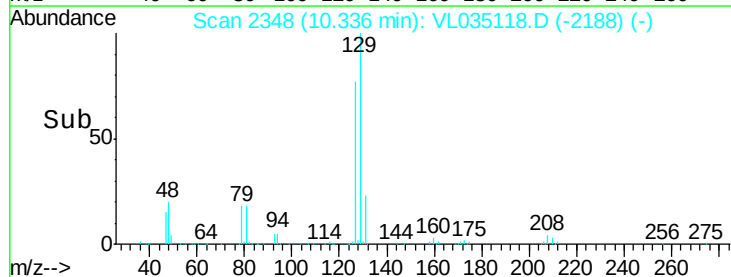
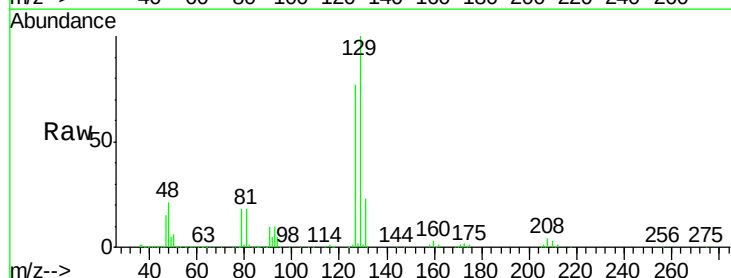
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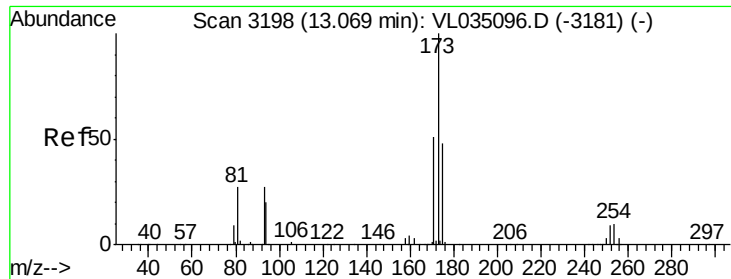
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#48
Dibromochloromethane
Concen: 11.235 ppbv
RT: 10.34 min Scan# 2348
Delta R.T. 0.01 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1652763		
127	78.3	39.3	117.8		





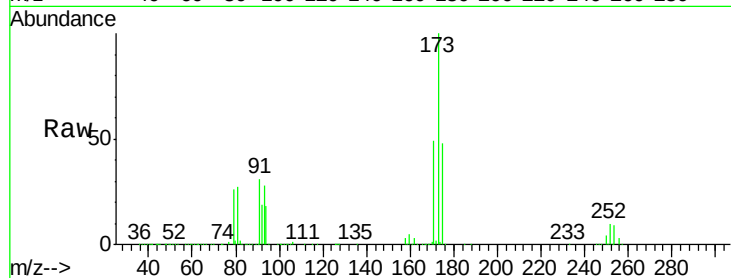
#49
Bromoform
Concen: 11.566 ppbv
RT: 13.09 min Scan# 3203
Delta R.T. 0.02 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

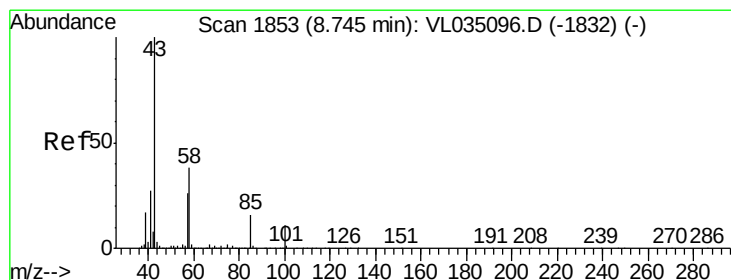
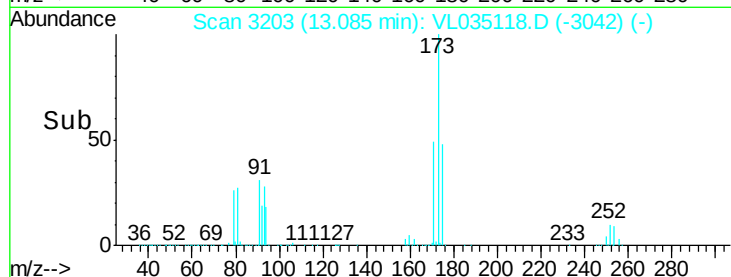
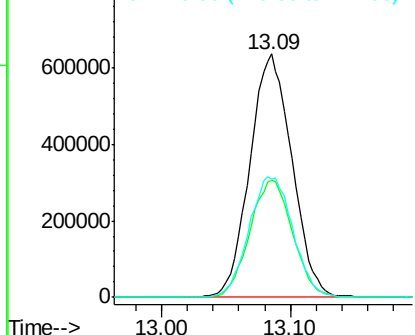
Tot Ion:173 Resp: 1445432
Ion Ratio Lower Upper
173 100
175 49.3 39.1 58.7
171 51.9 41.7 62.5

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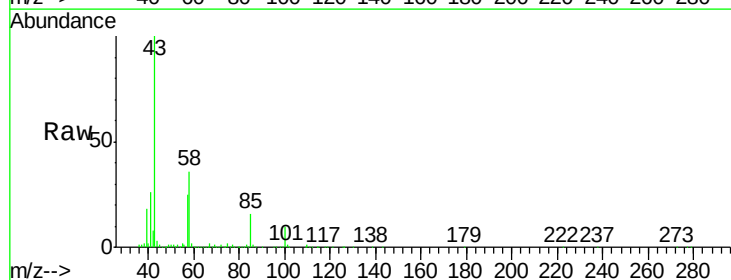


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

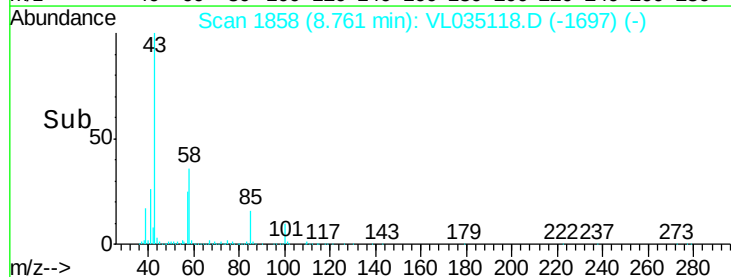
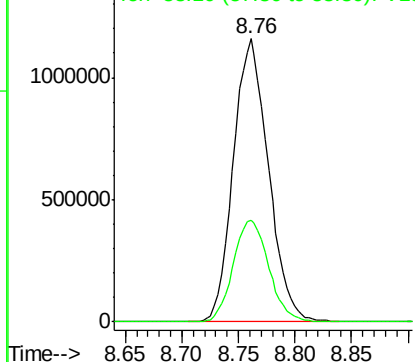


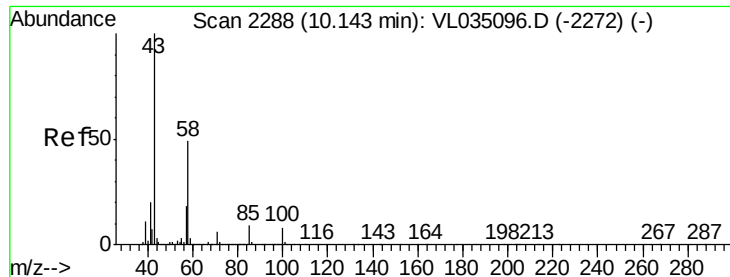
#50
4-Methyl-2-Pentanone
Concen: 10.286 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.02 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Tgt Ion: 43 Resp: 2505542
Ion Ratio Lower Upper
43 100
58 36.6 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: 10.691 ppbv

RT: 10.16 min Scan# 2293

Delta R.T. 0.02 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

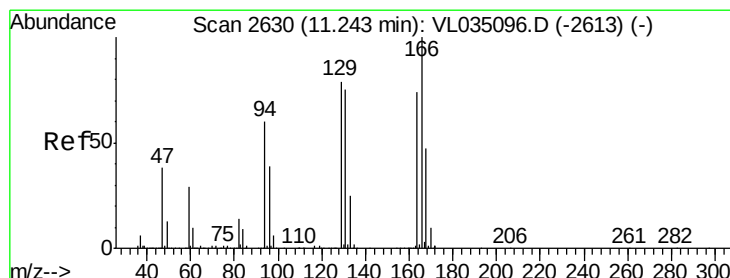
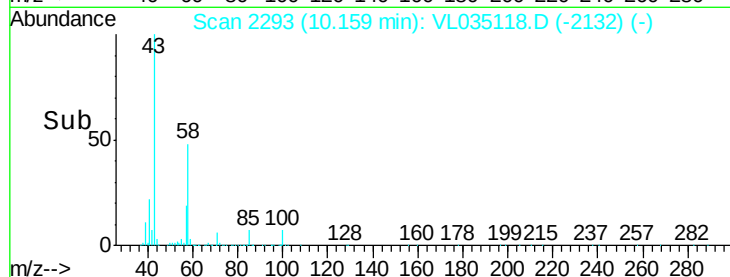
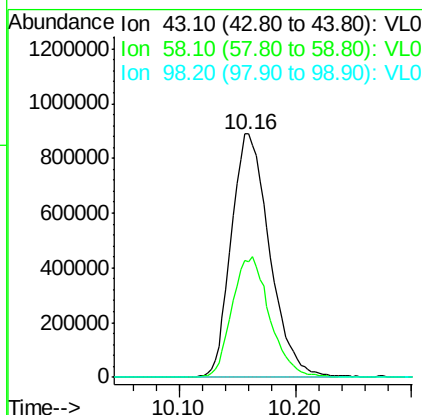
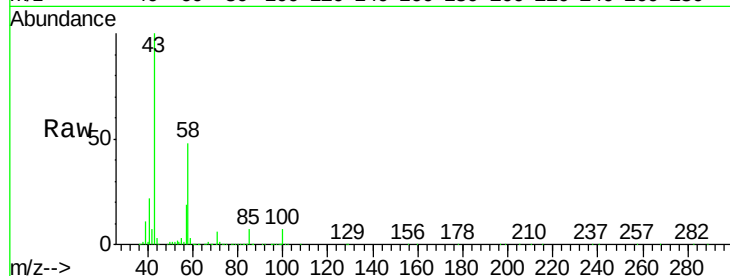
ClientSampleId :

VL0622ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.8	39.2	58.8
98	0.3	0.3	0.5#

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#52

Tetrachloroethene

Concen: 10.116 ppbv

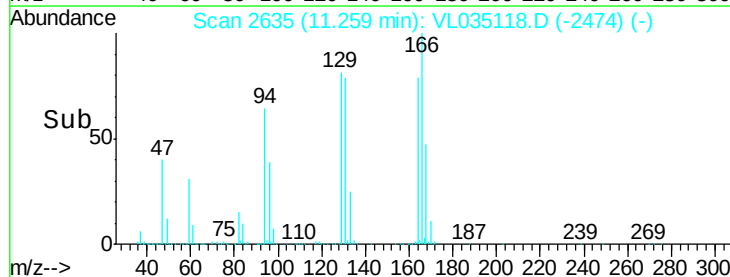
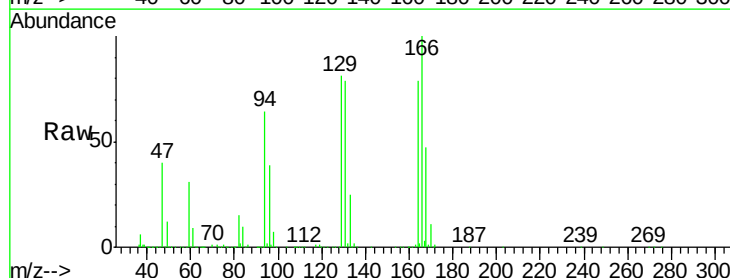
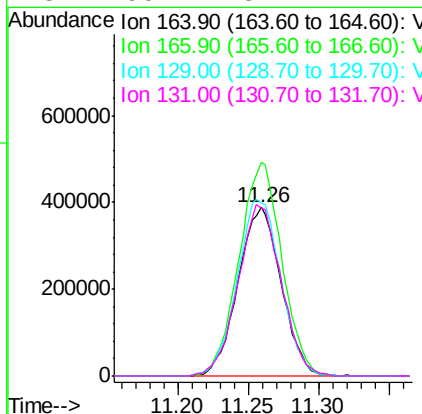
RT: 11.26 min Scan# 2635

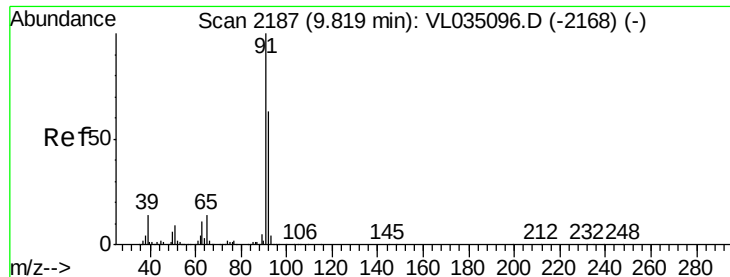
Delta R.T. 0.02 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	107.5	161.3
129	102.4	84.9	127.3
131	99.7	81.1	121.7





#53

Toluene

Concen: 10.877 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.02 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 91 Resp: 2682093

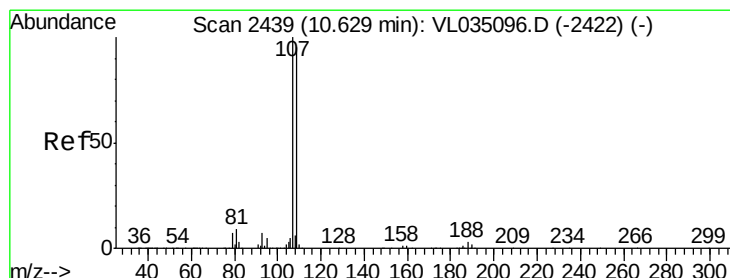
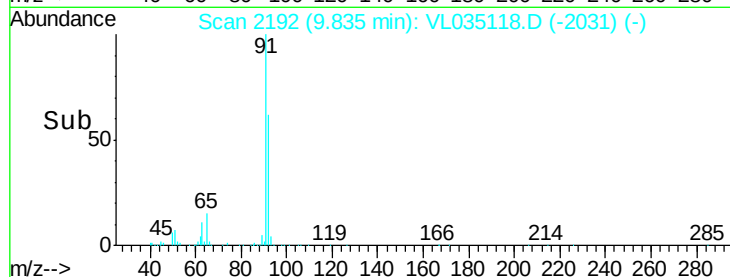
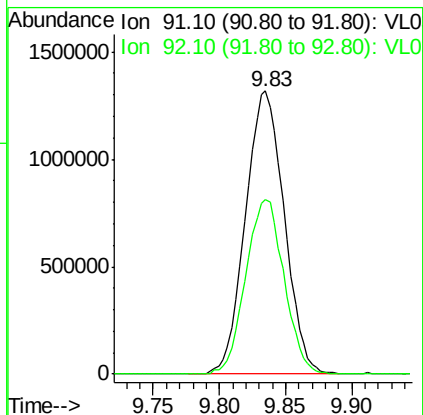
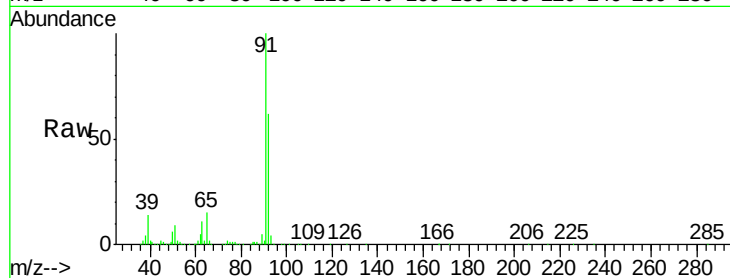
Ion Ratio Lower Upper

91 100

92 61.1 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 10.125 ppbv

RT: 10.64 min Scan# 2444

Delta R.T. 0.02 min

Lab File: VL035118.D

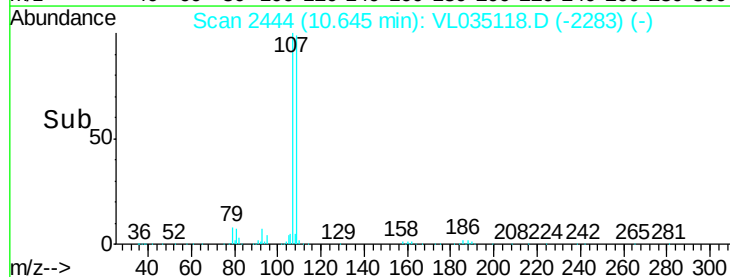
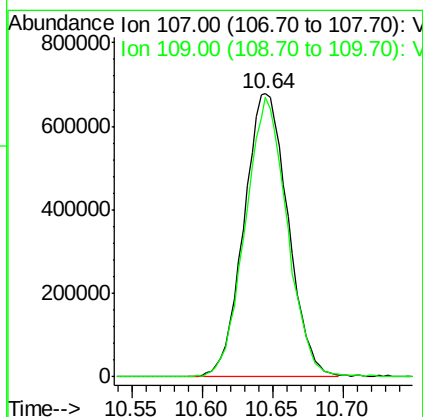
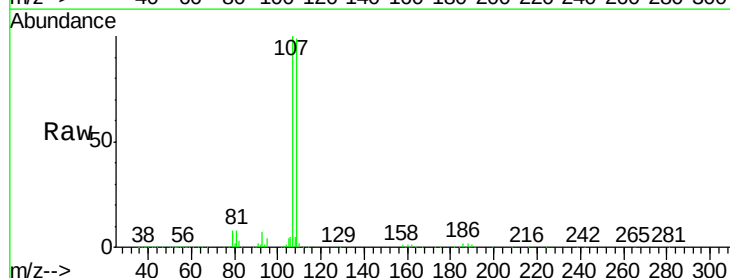
Acq: 22 Jun 2020 19:54

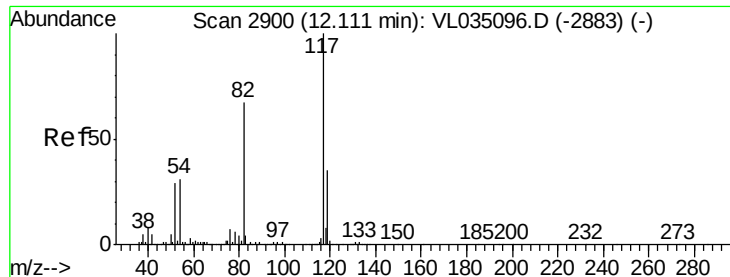
Tgt Ion: 107 Resp: 1479334

Ion Ratio Lower Upper

107 100

109 98.6 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.13 min Scan# 2905

Delta R.T. 0.02 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion:117 Resp: 3049321

Ion Ratio Lower Upper

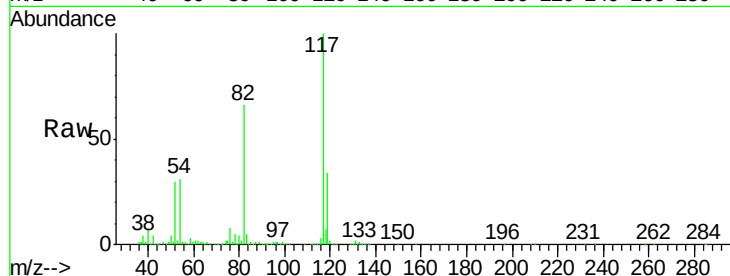
117 100

82 65.1 50.4 75.6

119 29.9 25.4 38.0

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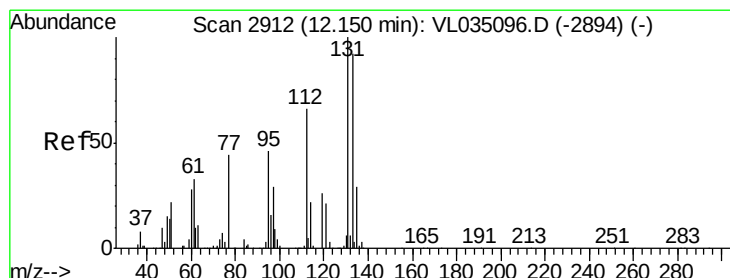
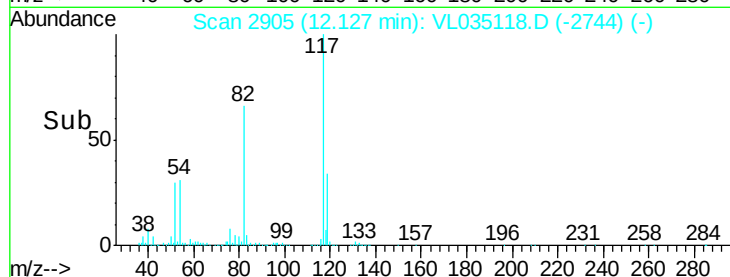
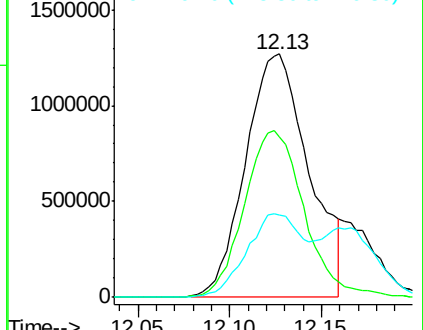
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.904 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. 0.02 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

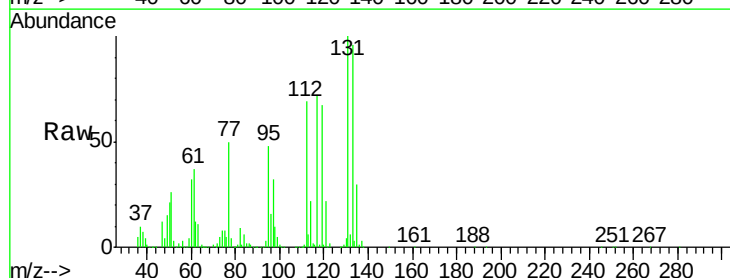
Tgt Ion:131 Resp: 1235931

Ion Ratio Lower Upper

131 100

133 95.0 76.2 114.4

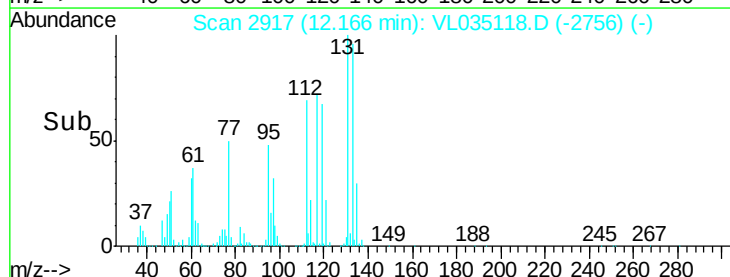
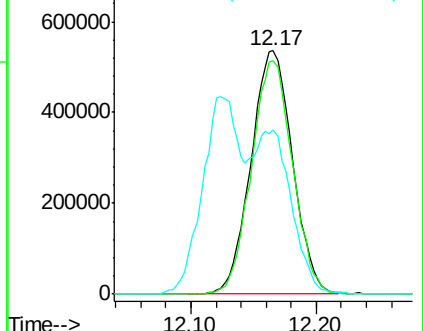
119 59.4 114.6 172.0#

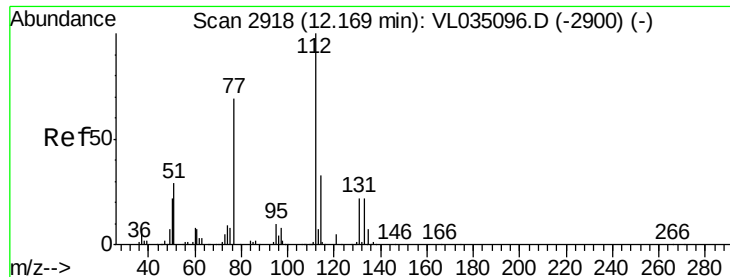


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





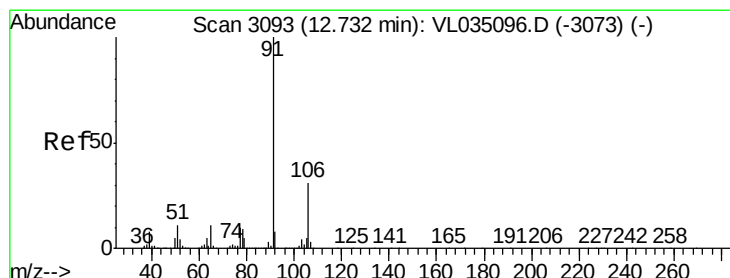
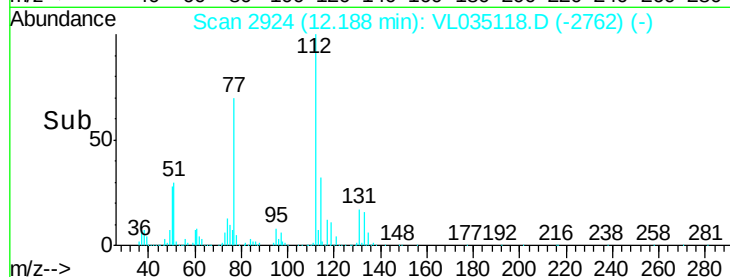
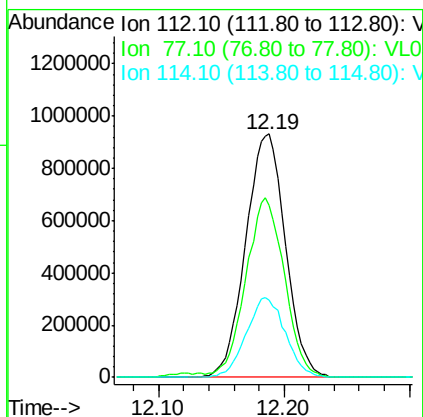
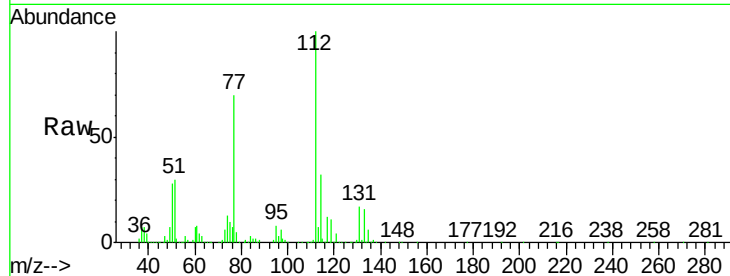
#57
Chlorobenzene
Concen: 9.113 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. 0.02 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion:112 Resp: 2044679
Ion Ratio Lower Upper
112 100
77 70.3 56.7 85.1
114 31.7 29.3 35.9

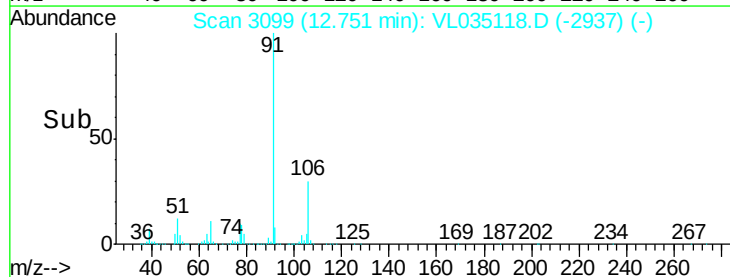
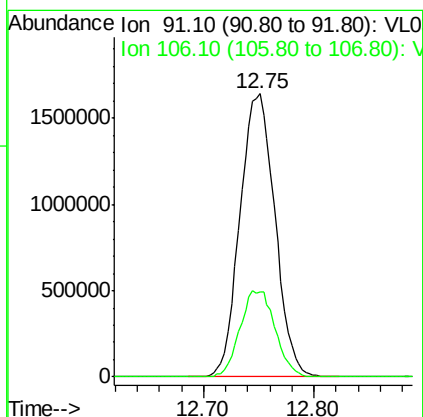
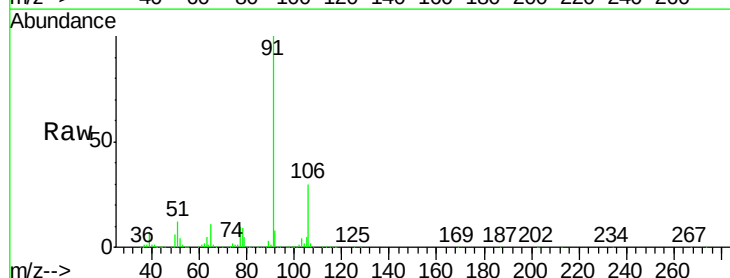
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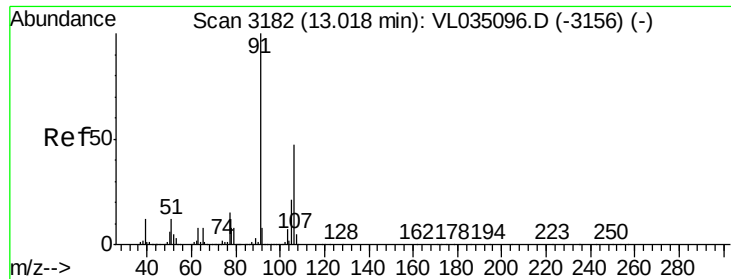
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#58
Ethyl Benzene
Concen: 10.551 ppbv
RT: 12.75 min Scan# 3099
Delta R.T. 0.02 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Tgt Ion: 91 Resp: 3614759
Ion Ratio Lower Upper
91 100
106 30.0 25.0 37.6





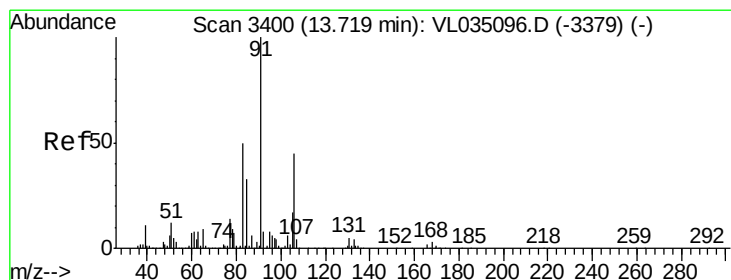
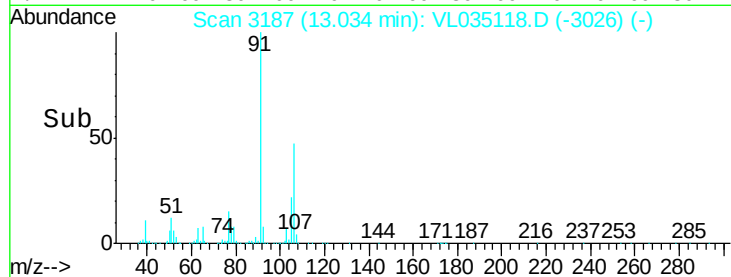
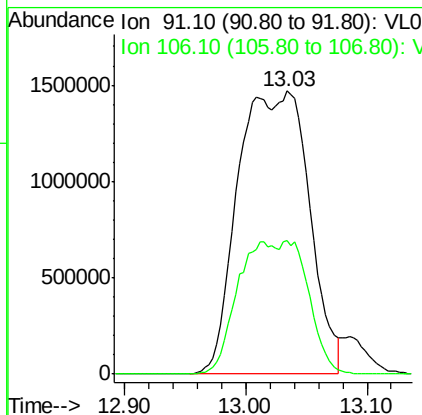
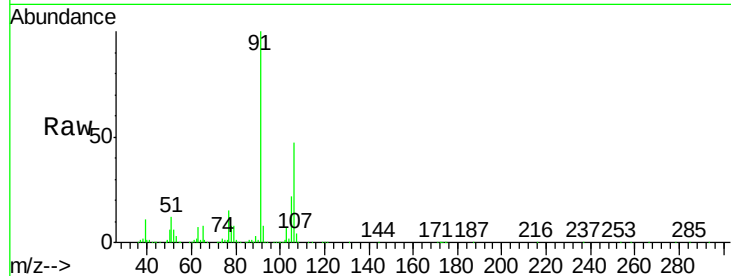
#59
m/p-Xylene
Concen: 19.637 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. 0.02 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 91 Resp: 5962378
Ion Ratio Lower Upper
91 100
106 45.9 36.5 54.7

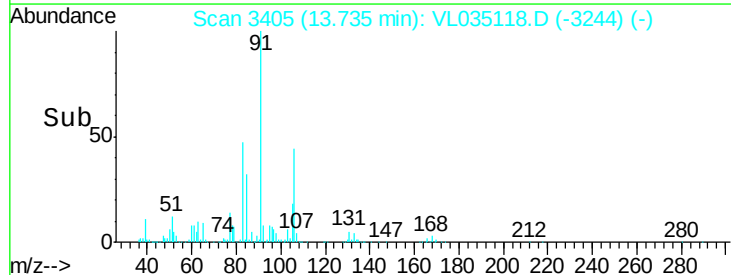
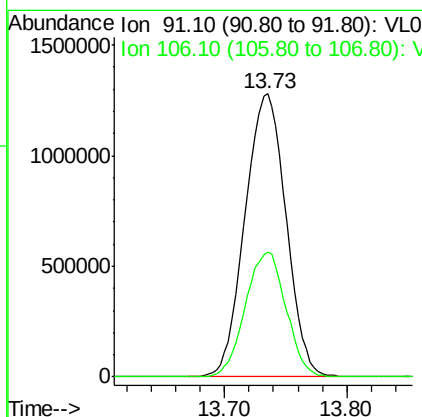
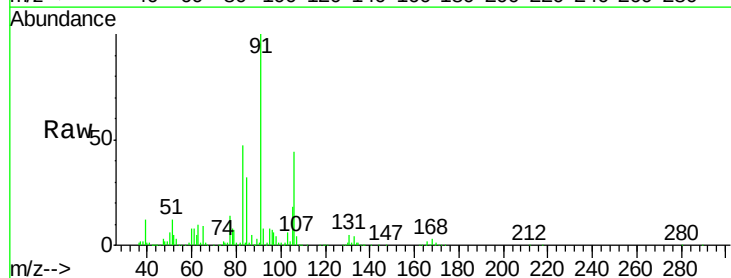
Manual Integrations
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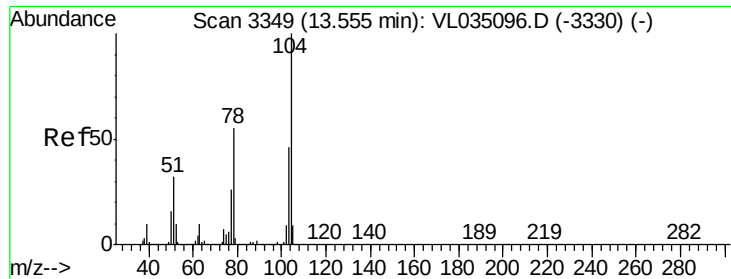
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#60
o-Xylene
Concen: 9.835 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. 0.02 min
Lab File: VL035118.D
Acq: 22 Jun 2020 19:54

Tgt Ion: 91 Resp: 2972953
Ion Ratio Lower Upper
91 100
106 43.7 22.1 66.5





#61

Stvrene

Concen: 11.027 ppbv

RT: 13.57 min Scan# 3353

Delta R.T. 0.01 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion:104 Resp: 2097448

Ion Ratio Lower Upper

104 100

78 55.6 43.4 65.0

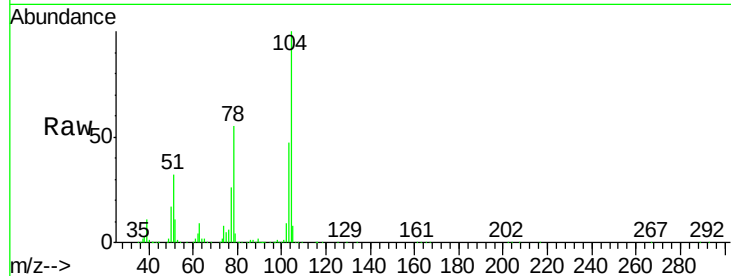
103 48.4 38.3 57.5

Manual Integrations

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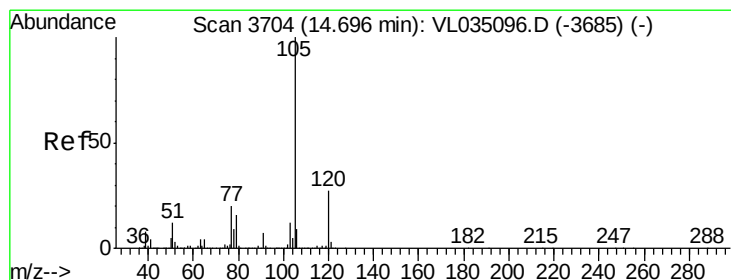
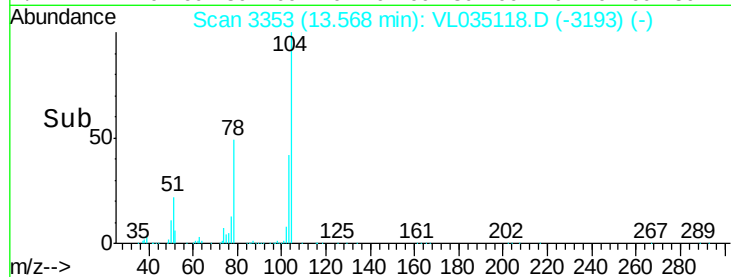
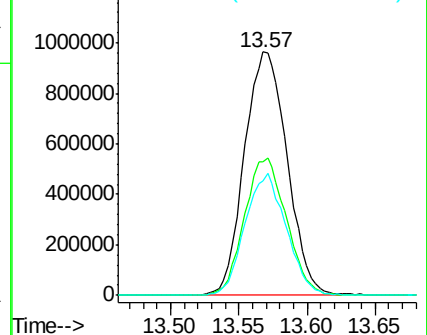
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.683 ppbv

RT: 14.71 min Scan# 3708

Delta R.T. 0.01 min

Lab File: VL035118.D

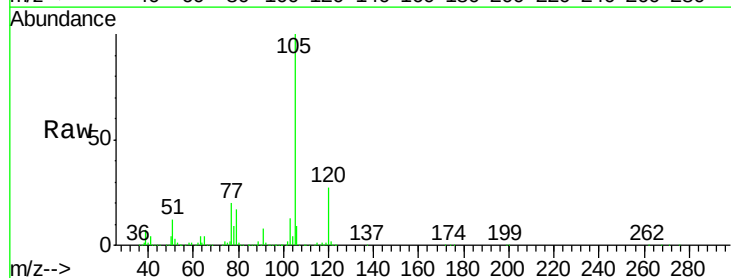
Acq: 22 Jun 2020 19:54

Tgt Ion:105 Resp: 4368006

Ion Ratio Lower Upper

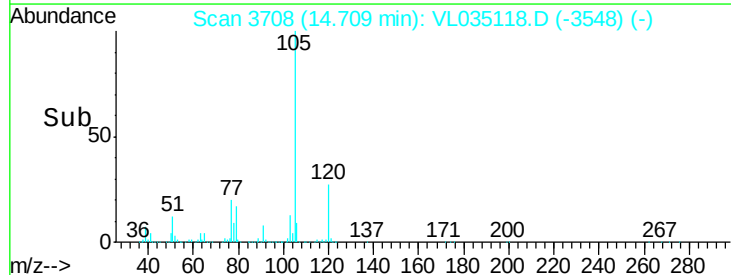
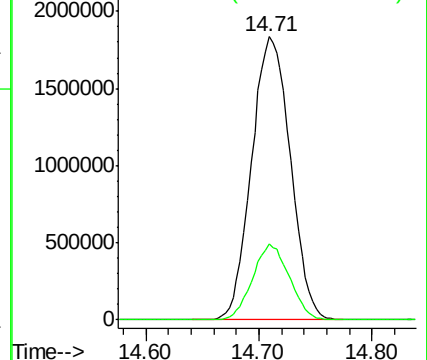
105 100

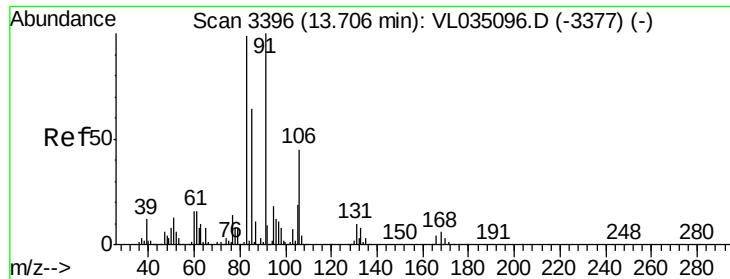
120 25.5 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





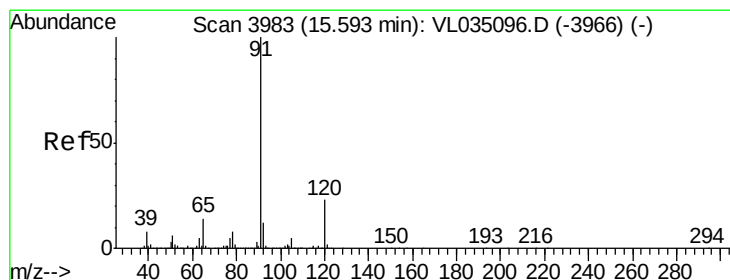
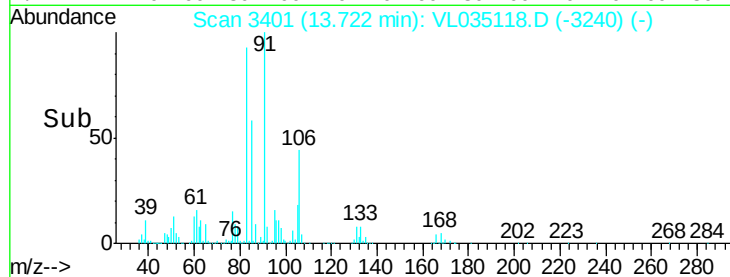
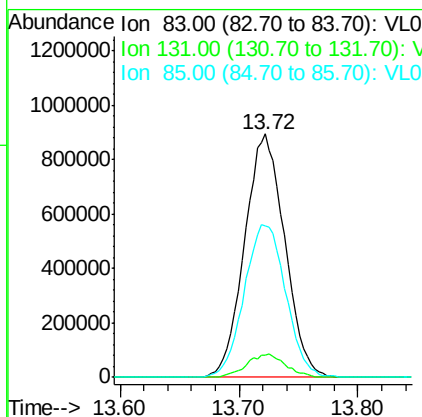
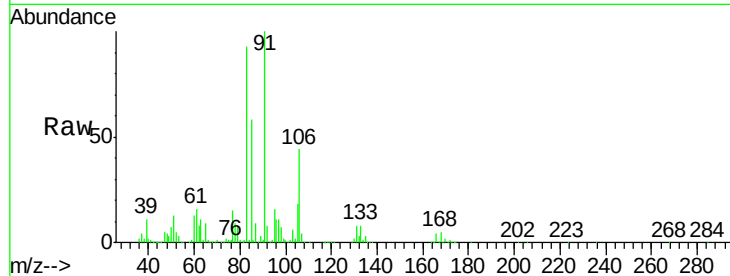
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.541 ppbv
 RT: 13.72 min Scan# 3401
 Delta R.T. 0.02 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion	83	Resp	2091139
Ion Ratio	100	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	64.9	32.4	97.0

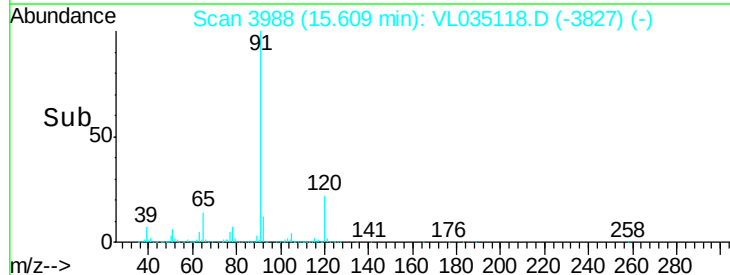
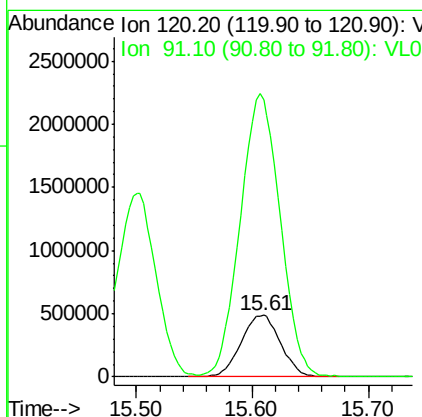
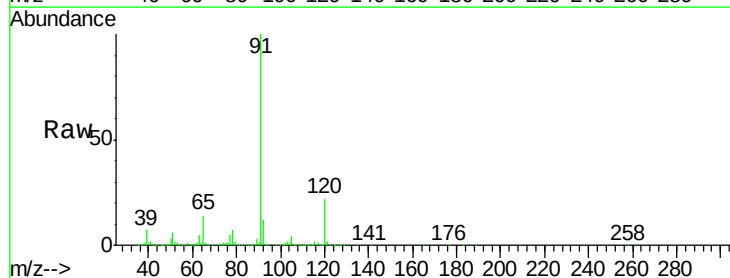
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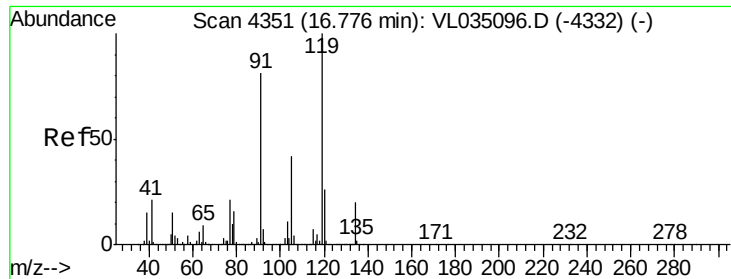
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#64
 n-propylbenzene
 Concen: 9.994 ppbv
 RT: 15.61 min Scan# 3988
 Delta R.T. 0.02 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Tgt Ion	120	Resp	1150437
Ion Ratio	100	Lower	Upper
120	100		
91	466.5	367.9	551.9





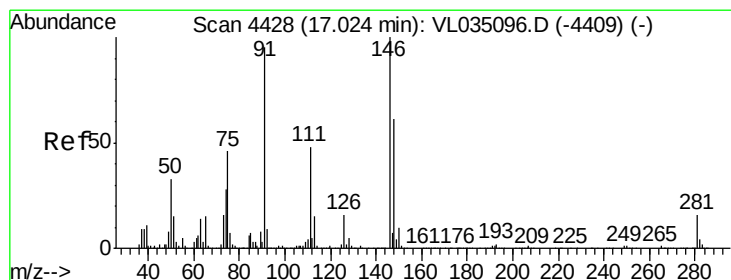
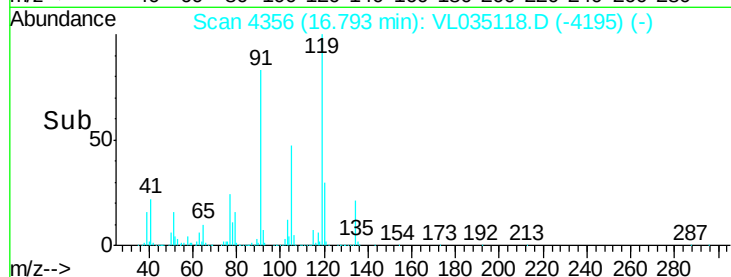
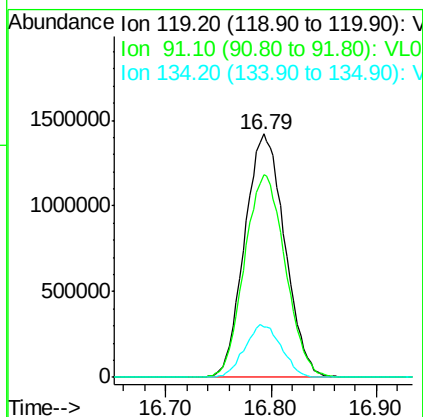
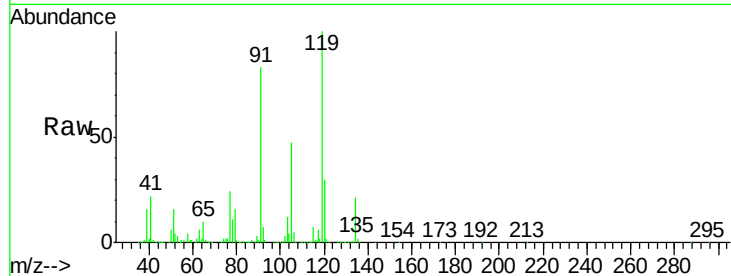
#65
 tert-Butylbenzene
 Concen: 9.720 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. 0.02 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion: 119 Resp: 3754476
 Ion Ratio Lower Upper
 119 100
 91 84.9 67.6 101.4
 134 19.8 15.7 23.5

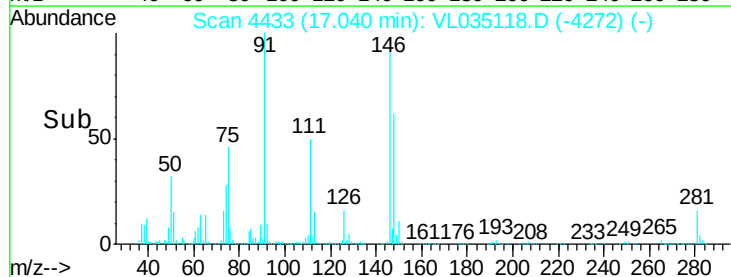
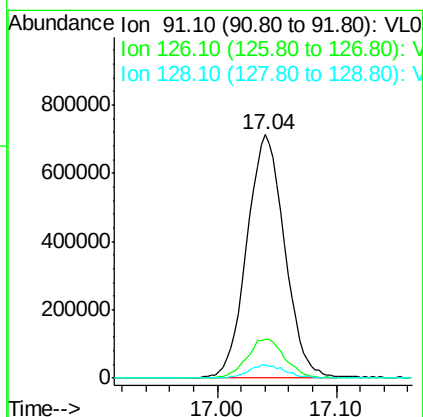
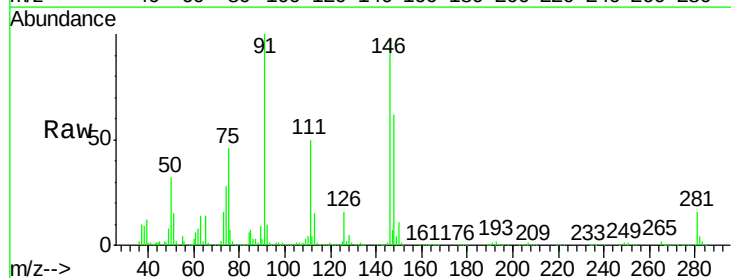
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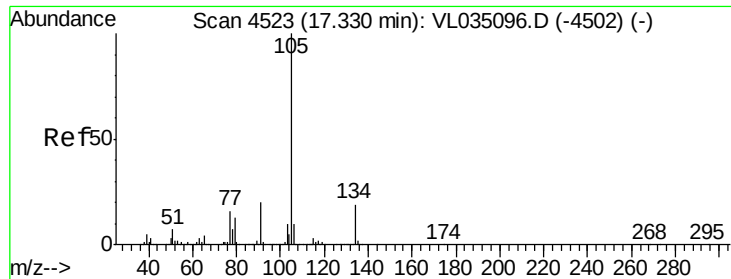
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#66
 Benzyl Chloride
 Concen: 13.104 ppbv
 RT: 17.04 min Scan# 4433
 Delta R.T. 0.02 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Tgt Ion: 91 Resp: 1563611
 Ion Ratio Lower Upper
 91 100
 126 16.3 13.5 20.3
 128 5.3 4.3 6.5





#67

sec-Butylbenzene

Concen: 9.636 ppbv

RT: 17.35 min Scan# 4528

Delta R.T. 0.02 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 105 Resp: 5334619

Ion Ratio Lower Upper

105 100

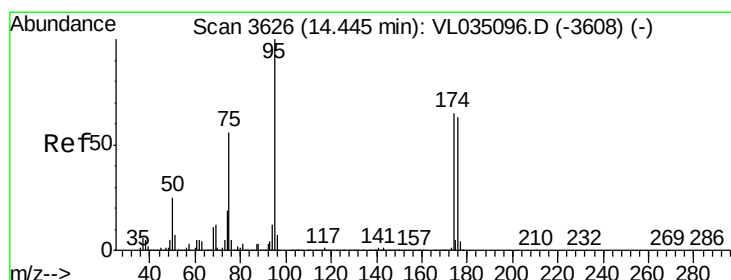
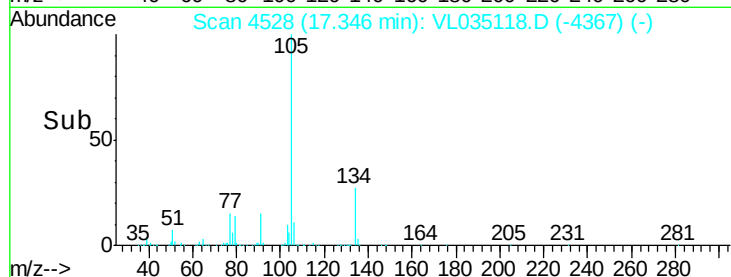
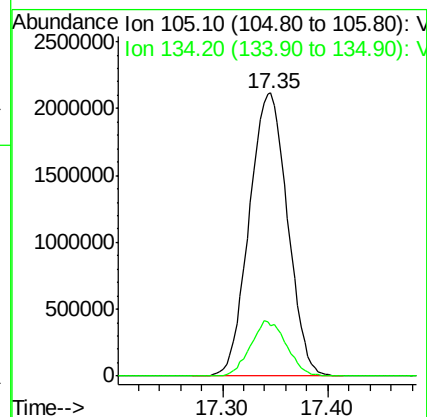
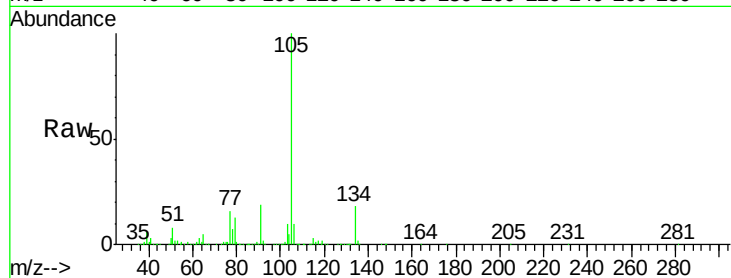
134 18.5 14.7 22.1

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6/23/2020 10:59:46 AM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.672 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.02 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

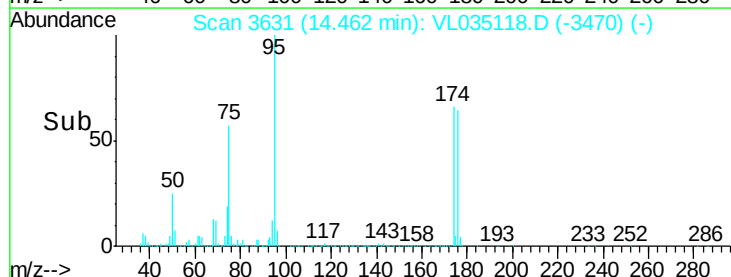
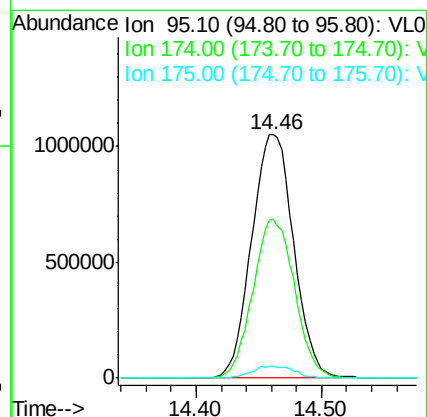
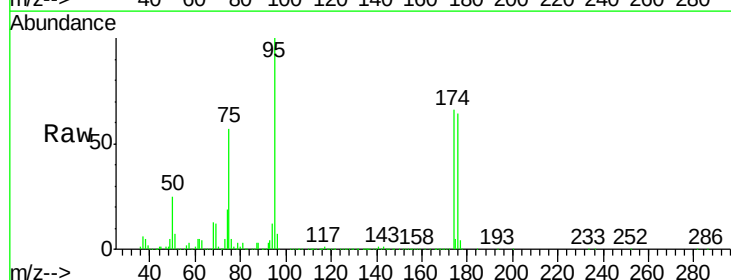
Tgt Ion: 95 Resp: 2449948

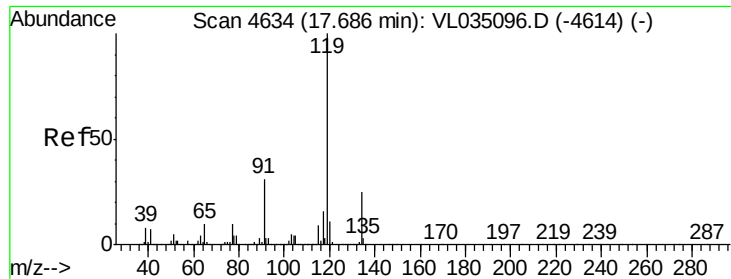
Ion Ratio Lower Upper

95 100

174 64.9 52.2 78.2

175 4.9 4.0 6.0





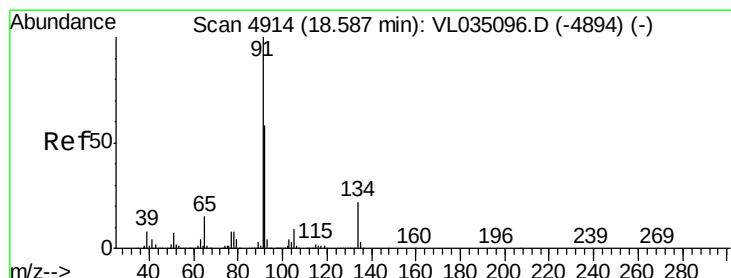
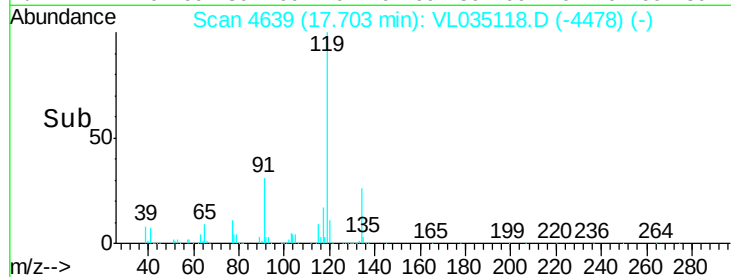
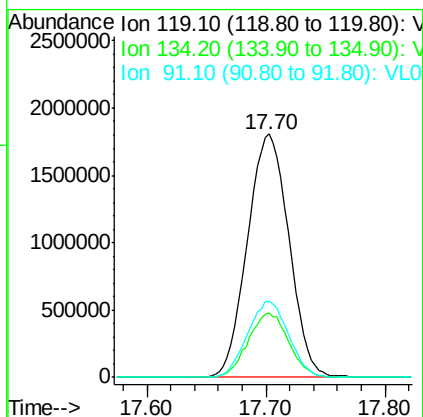
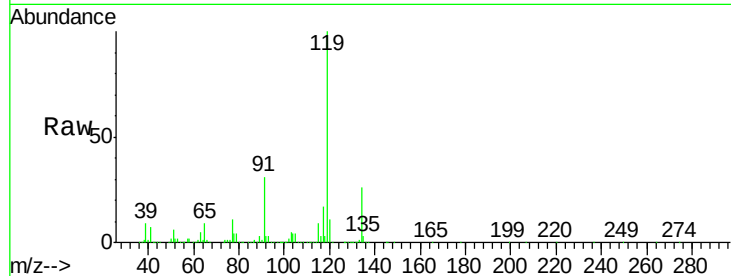
#69
 p-Isopropyltoluene
 Concen: 9.886 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. 0.02 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.4	30.6
91	30.9	24.5	36.7

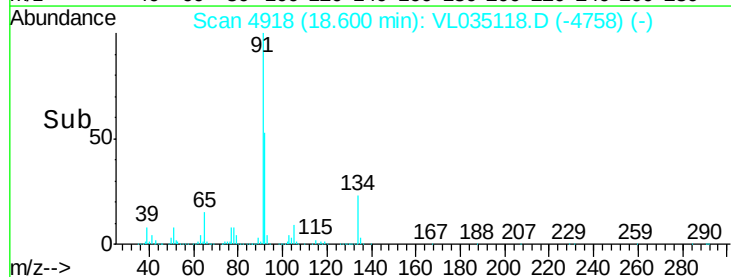
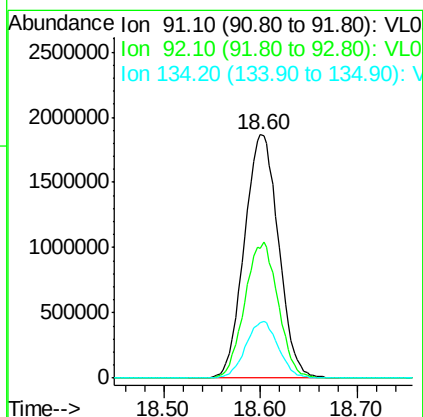
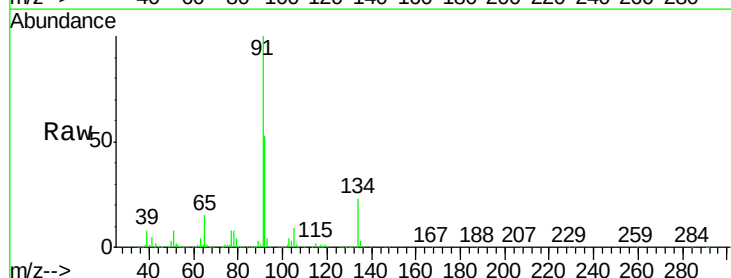
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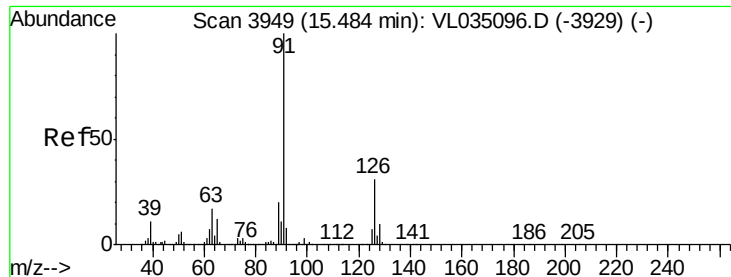
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#70
 n-Butylbenzene
 Concen: 9.615 ppbv
 RT: 18.60 min Scan# 4918
 Delta R.T. 0.01 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.4	66.6
134	22.4	18.0	27.0





#71

2-Chlorotoluene

Concen: 9.882 ppbv

RT: 15.50 min Scan# 3954

Delta R.T. 0.02 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 91 Resp: 3369349

Ion Ratio Lower Upper

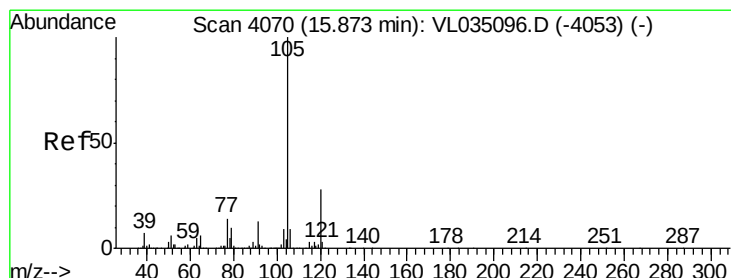
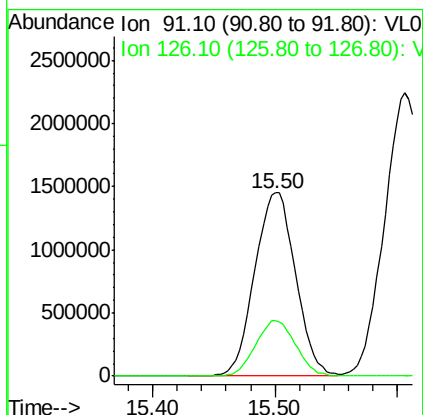
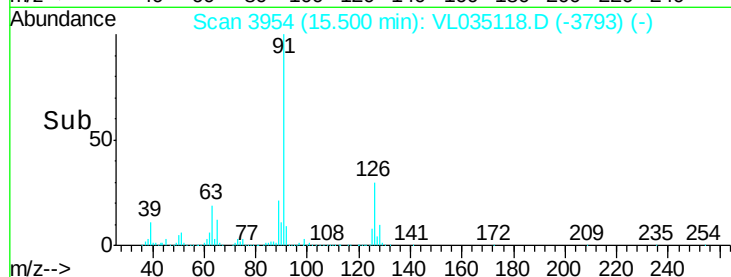
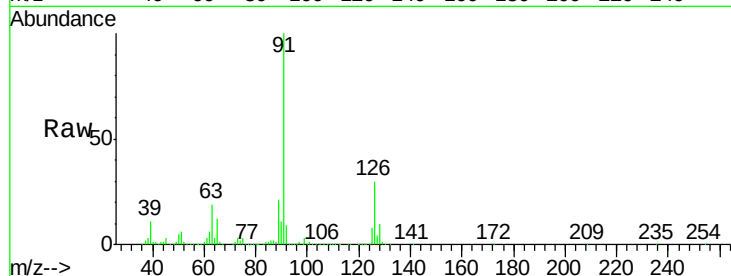
91 100

126 29.9 12.0 48.0

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6/23/2020 10:59:46 AM



#72

4-Ethyltoluene

Concen: 10.299 ppbv

RT: 15.89 min Scan# 4074

Delta R.T. 0.01 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Tgt Ion: 105 Resp: 3463397

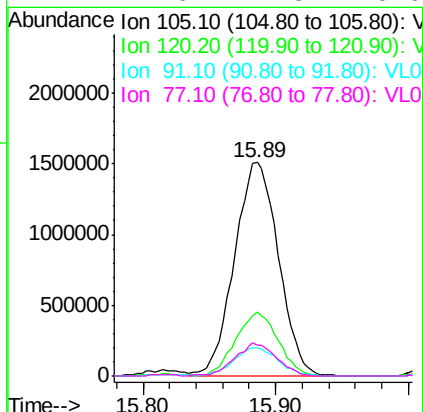
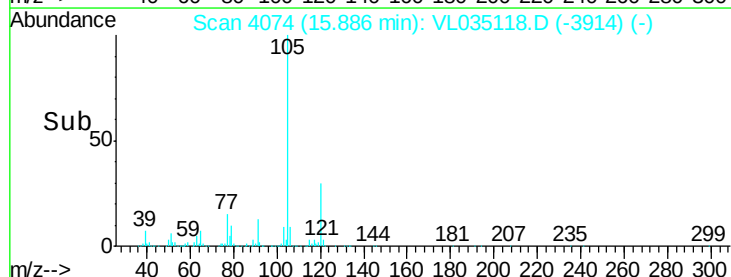
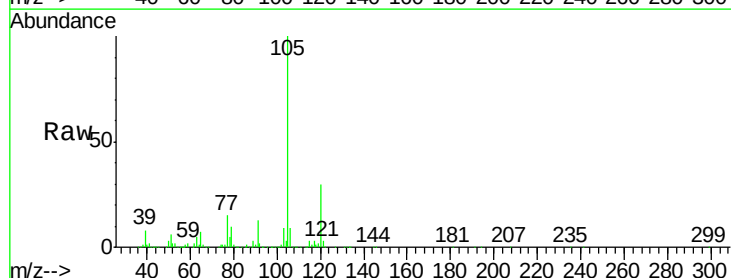
Ion Ratio Lower Upper

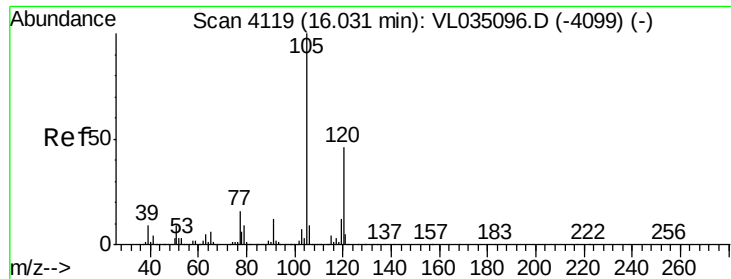
105 100

120 29.1 23.4 35.0

91 13.3 10.6 16.0

77 14.6 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 10.173 ppbv

RT: 16.05 min Scan# 4124

Delta R.T. 0.02 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion:105 Resp: 3233852

Ion Ratio Lower Upper

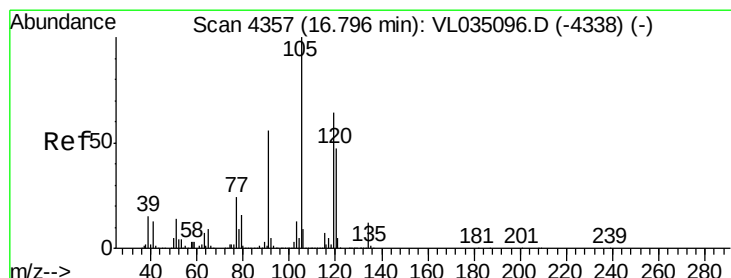
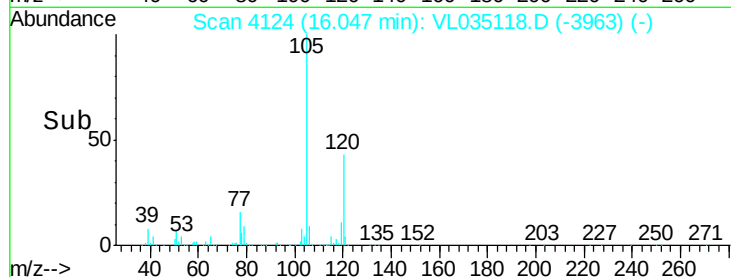
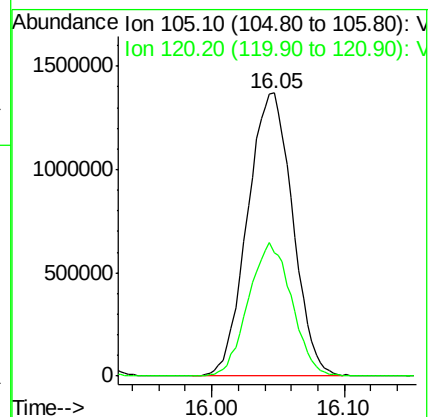
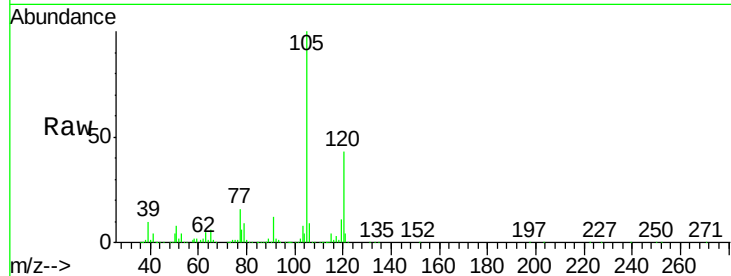
105 100

120 43.5 37.0 55.6

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6/23/2020 10:59:46 AM



#74

1,2,4-Trimethylbenzene

Concen: 9.272 ppbv

RT: 16.81 min Scan# 4362

Delta R.T. 0.02 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Tgt Ion:105 Resp: 3289501

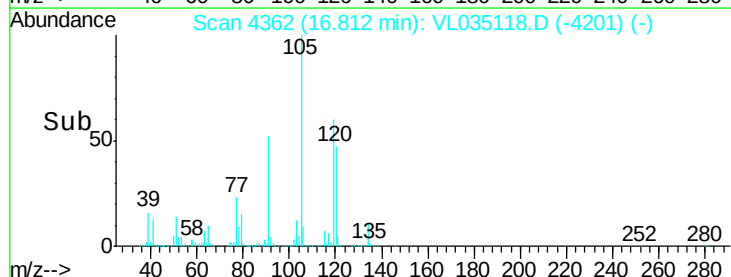
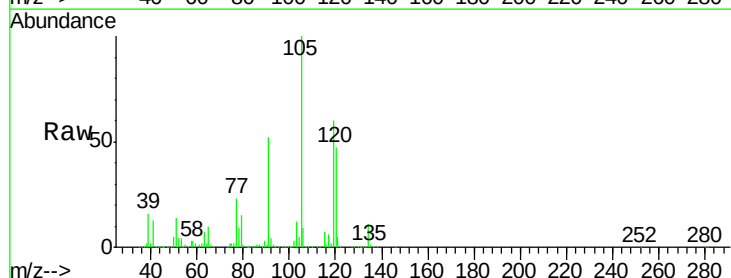
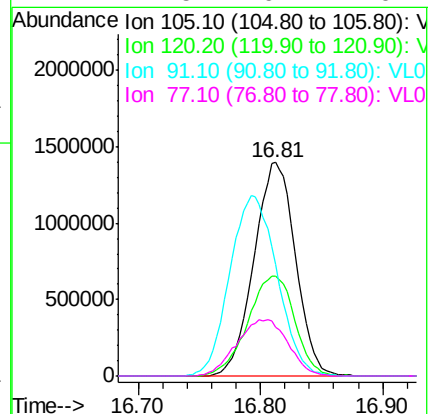
Ion Ratio Lower Upper

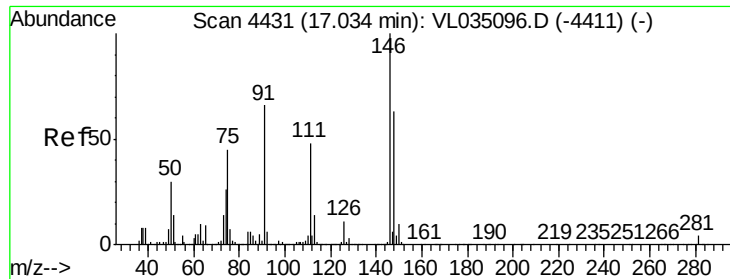
105 100

120 47.0 37.9 56.9

91 52.1 46.0 69.0

77 22.5 19.4 29.2





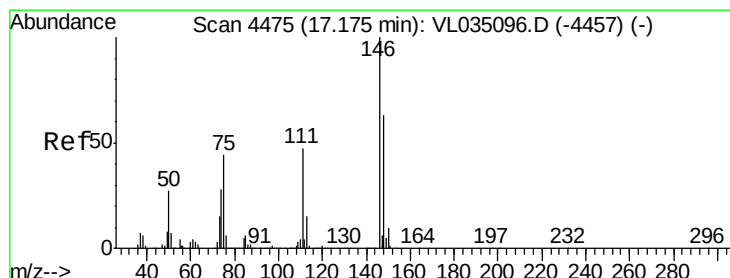
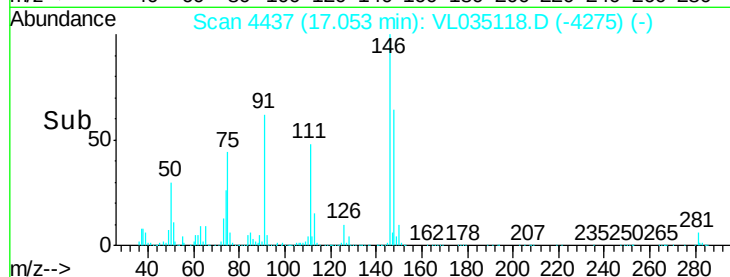
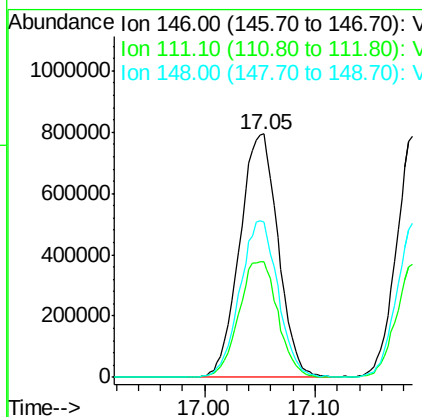
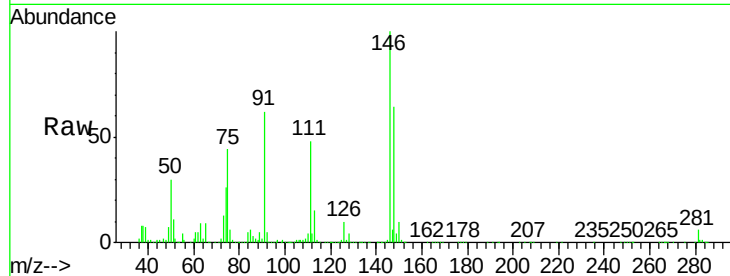
#75
 1,3-Dichlorobenzene
 Concen: 9.059 ppbv
 RT: 17.05 min Scan# 4437
 Delta R.T. 0.02 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.3	24.1	72.4
148	63.6	32.3	96.8

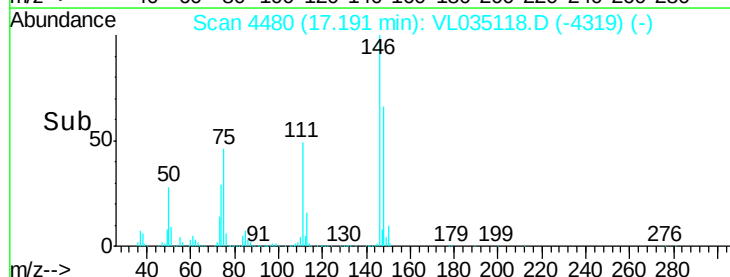
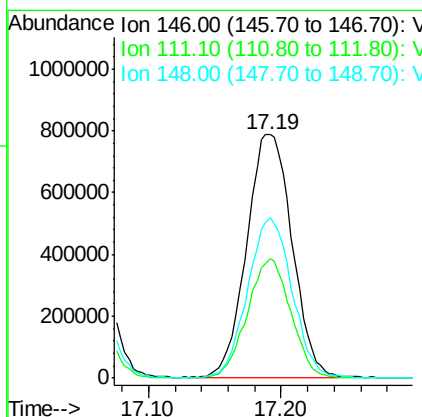
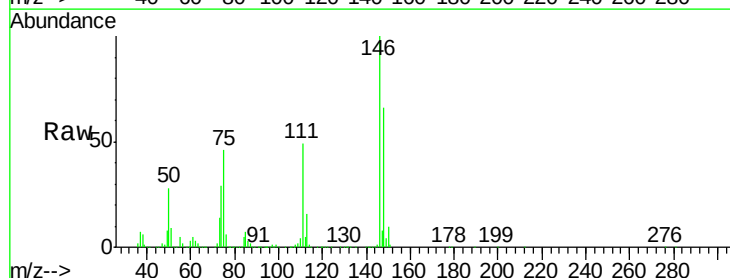
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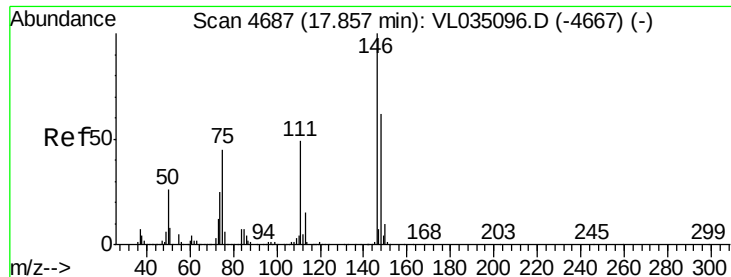
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#76
 1,4-Dichlorobenzene
 Concen: 9.257 ppbv
 RT: 17.19 min Scan# 4480
 Delta R.T. 0.02 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.5	70.5
148	64.7	32.0	96.2





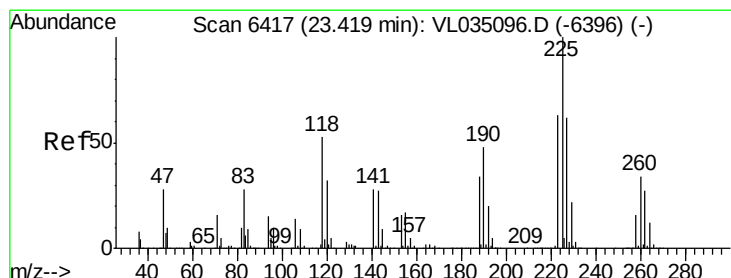
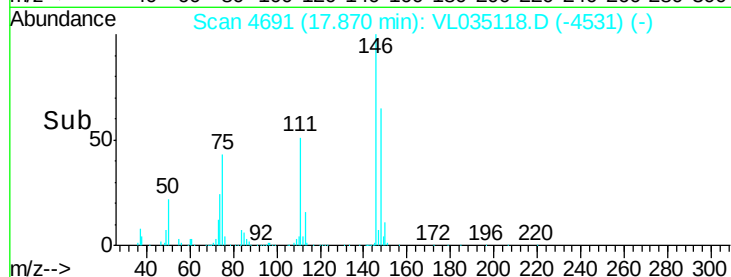
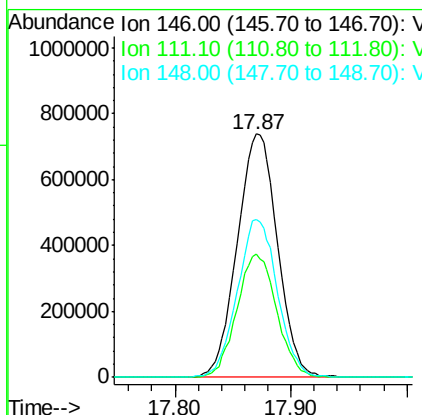
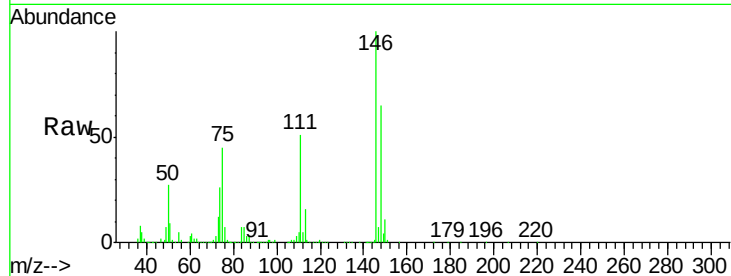
#77
 1,2-Dichlorobenzene
 Concen: 9.179 ppbv
 RT: 17.87 min Scan# 4691
 Delta R.T. 0.01 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion:146 Resp: 1778330
 Ion Ratio Lower Upper
 146 100
 111 50.1 25.0 75.0
 148 64.8 32.3 96.8

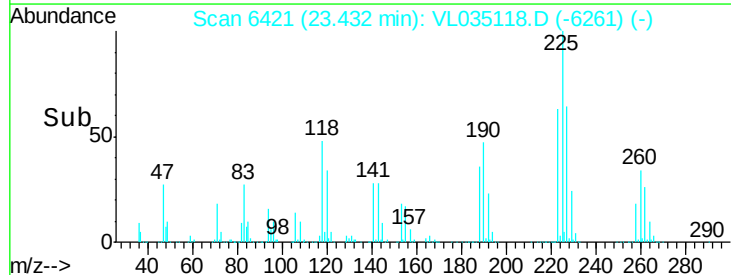
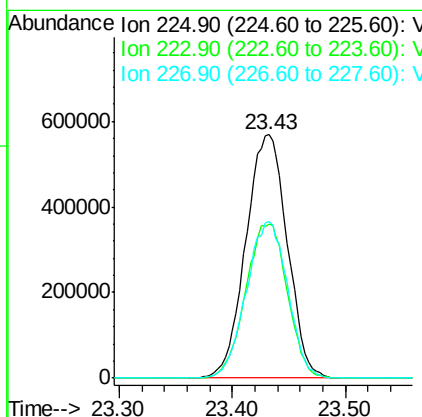
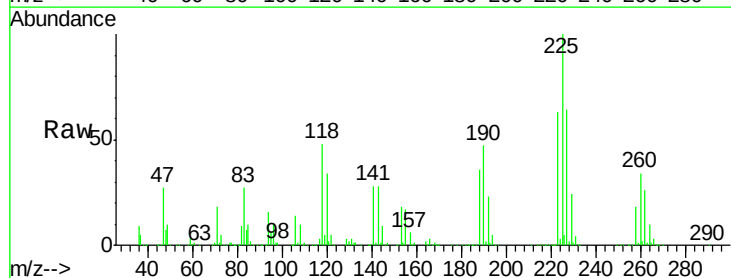
Manual Integrations
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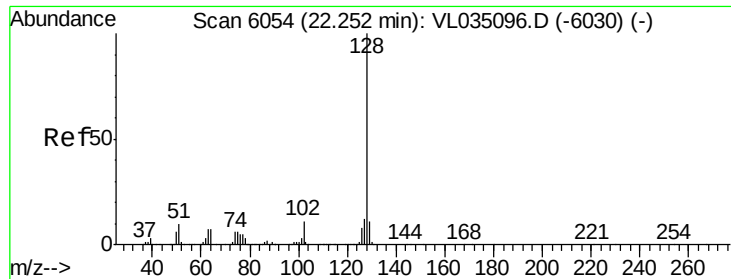
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.302 ppbv
 RT: 23.43 min Scan# 6421
 Delta R.T. 0.01 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Tgt Ion:225 Resp: 1445714
 Ion Ratio Lower Upper
 225 100
 223 63.8 51.4 77.0
 227 64.2 51.8 77.8





#79

Naphthalene

Concen: 10.411 ppbv

RT: 22.27 min Scan# 6060

Delta R.T. 0.02 min

Lab File: VL035118.D

Acq: 22 Jun 2020 19:54

Instrument :

MSVOA_L

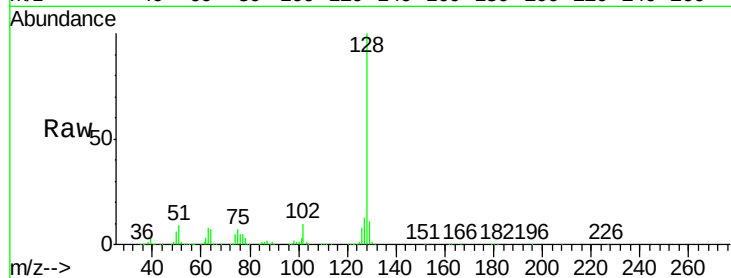
ClientSampleId :

VL0622ABS01

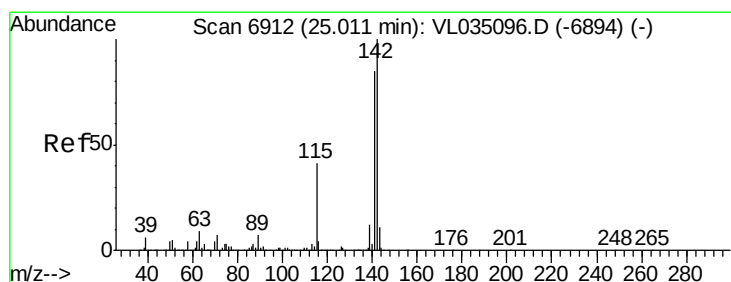
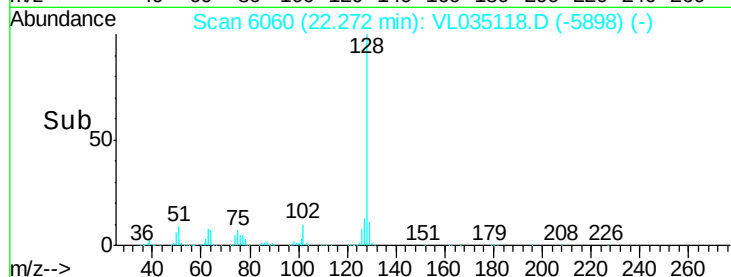
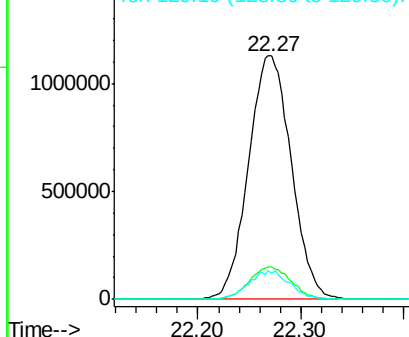
Tot Ion:	128	Resp:	3238178
Ion	Ratio	Lower	Upper
128	100		
127	13.4	9.9	14.9
129	10.7	9.0	13.4

Manual Integrations
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6/23/2020 10:59:46 AM



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.610 ppbv

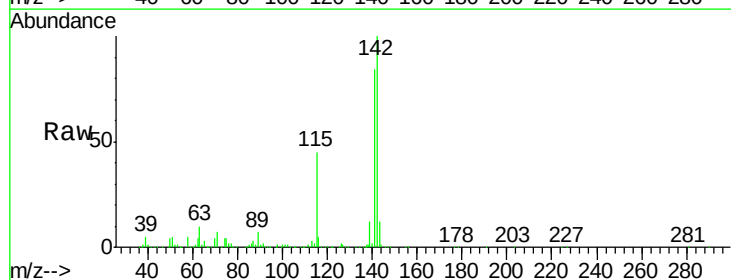
RT: 25.02 min Scan# 6915

Delta R.T. 0.01 min

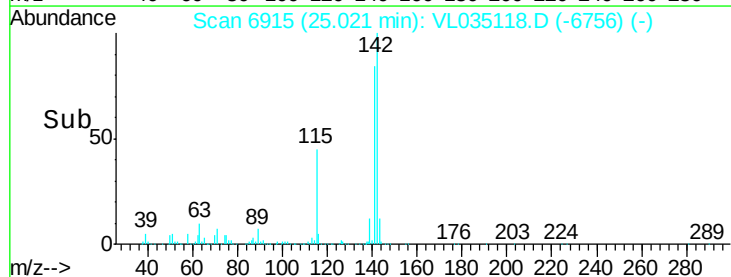
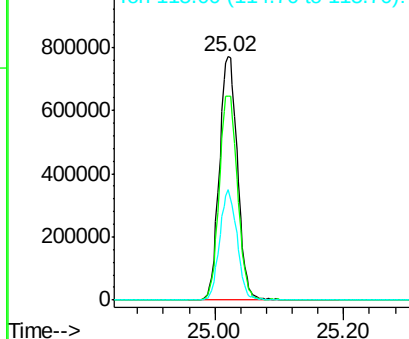
Lab File: VL035118.D

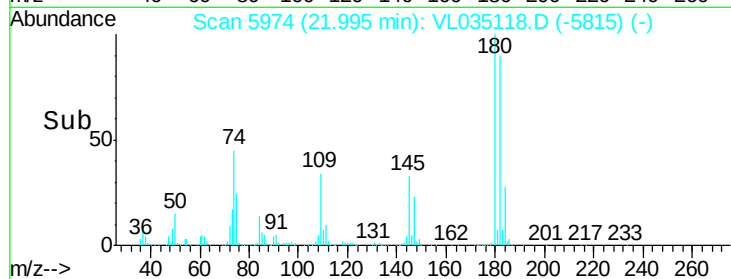
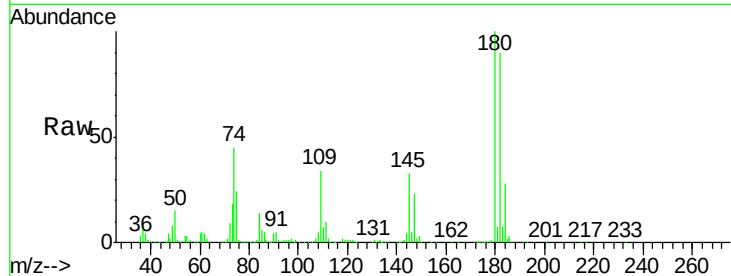
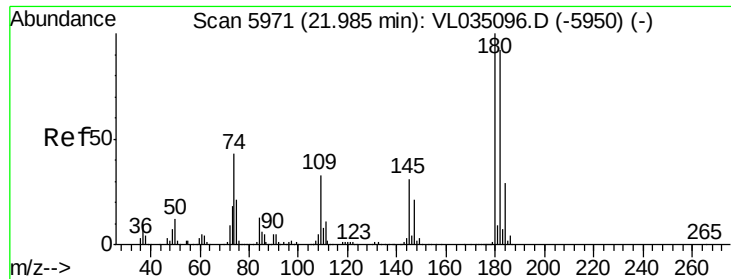
Acq: 22 Jun 2020 19:54

Tgt Ion:	142	Resp:	1499625
Ion	Ratio	Lower	Upper
142	100		
141	84.8	67.5	101.3
115	43.5	33.8	50.8



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.552 ppbv
 RT: 22.00 min Scan# 5974
 Delta R.T. 0.01 min
 Lab File: VL035118.D
 Acq: 22 Jun 2020 19:54

Tot Ion:180 Resp: 1713825
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.9 116.9
 184 31.0 24.6 37.0

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 10:59:46 AM

