

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
 Data File : VL035177.D
 Acq On : 8 Jul 2020 9:55
 Operator : SY/AP
 Sample : VL0708ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Manual Integrations
 APPROVED

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 7/9/2020 12:02:44 PM

Quant Time: Jul 08 13:07:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1297340	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3085878	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3029397m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2389545	9.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1623269	8.928	ppbv 99
3) Chlorodifluoromethane	2.94	51	1258427	8.782	ppbv 100
4) Chloromethane	3.10	50	710495	8.797	ppbv 96
5) Vinyl Chloride	3.21	62	733044	8.493	ppbv 98
6) Bromomethane	3.43	94	462908	9.450	ppbv 94
7) Chloroethane	3.52	64	281611	9.230	ppbv 97
8) Dichlorotetrafluoroethane	3.14	85	1709621	8.579	ppbv 99
9) Propene	2.96	41	507728	9.375	ppbv 97
10) Heptane	8.13	43	1426117	10.257	ppbv 98
11) Trichlorofluoromethane	3.91	101	1807888	8.805	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1274791	8.841	ppbv 99
13) Ethanol	3.56	45	126229m	7.321	ppbv
14) Bromoethene	3.70	108	555357	9.358	ppbv 99
15) Acetone	3.81	43	1374796	7.827	ppbv 99
16) 1,3-Butadiene	3.28	39	655985	9.730	ppbv 98
17) tert-Butyl alcohol	4.26	59	1564052	10.064	ppbv 99
18) 1,1-Dichloroethene	4.26	96	584387	9.153	ppbv 96
19) Isopropyl Alcohol	3.93	45	1026641	9.689	ppbv 99
20) Methylene Chloride	4.31	84	563774	7.377	ppbv 97
21) Allyl Chloride	4.38	41	968572	9.474	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	582167	9.134	ppbv 97
23) Vinyl Acetate	5.05	43	1900066	9.994	ppbv 97
24) 1,1-Dichloroethane	4.99	63	1482610	9.081	ppbv 98
25) Ethyl Acetate	5.66	43	2559764	9.391	ppbv 100
26) Hexane	5.67	57	1153057	9.595	ppbv 100
27) Carbon Disulfide	4.52	76	1568714	9.348	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1773000	9.683	ppbv 100
29) Chloroform	5.74	83	1825101	9.058	ppbv 99
30) Cyclohexane	7.13	84	947403	10.654	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1138842	10.018	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	1796794	8.898	ppbv 100
34) 2-Butanone	5.22	43	1571826	9.543	ppbv 99
35) Carbon Tetrachloride	7.01	117	1868573	9.328	ppbv 99
36) Benzene	6.89	78	2232565	9.996	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1417516	9.457	ppbv 99
38) Trichloroethene	7.84	130	909216	9.991	ppbv 96
39) 1,2-Dichloropropane	7.62	63	881024	9.919	ppbv 95
40) 1,4-Dioxane	7.83	88	349894m	9.895	ppbv
41) Tetrahydrofuran	6.03	42	874830	10.615	ppbv 100
42) Bromodichloromethane	7.80	83	1947051	9.728	ppbv 99
43) Methyl Methacrylate	8.02	69	1034897	10.961	ppbv 98

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Manual Integrations
 APPROVED

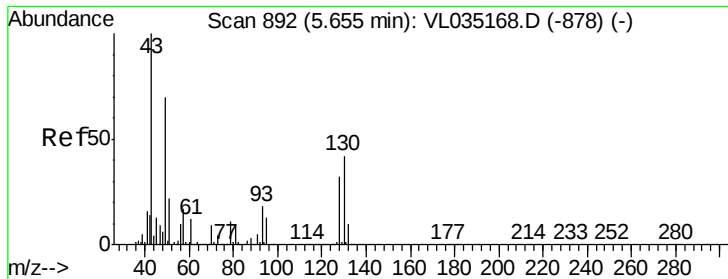
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 7/9/2020 12:02:44 PM

Quant Time: Jul 08 13:07:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	3880860	10.067	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1154252	11.637	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1365312	11.611	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	955872	9.832	ppbv	97
48) Dibromochloromethane	10.32	129	1630215	10.306	ppbv	100
49) Bromoform	13.07	173	1436743	10.383	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2418154	10.230	ppbv	100
51) 2-Hexanone	10.15	43	1955801	10.851	ppbv #	100
52) Tetrachloroethene	11.25	164	799870	9.589	ppbv	95
53) Toluene	9.82	91	2610175	11.074	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1442633	9.999	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.15	131	1243353	9.264	ppbv #	56
57) Chlorobenzene	12.17	112	2033491	9.108	ppbv	98
58) Ethyl Benzene	12.74	91	3539927	10.572	ppbv	98
59) m/p-Xylene	13.02	91	5957095m	19.962	ppbv	
60) o-Xylene	13.72	91	2963411	9.953	ppbv	99
61) Styrene	13.55	104	2102535	11.428	ppbv	99
62) Isopropylbenzene	14.70	105	4343682	9.843	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2113829	8.496	ppbv	99
64) n-propylbenzene	15.60	120	1158477	10.162	ppbv	99
65) tert-Butylbenzene	16.78	119	3909266	9.863	ppbv	99
66) Benzyl Chloride	17.03	91	1511391	10.703	ppbv	100
67) sec-Butylbenzene	17.33	105	5559728	9.622	ppbv	100
69) p-Isopropyltoluene	17.69	119	4587557	10.129	ppbv	99
70) n-Butylbenzene	18.59	91	4733478	9.857	ppbv	100
71) 2-Chlorotoluene	15.49	91	3371757	10.097	ppbv	100
72) 4-Ethyltoluene	15.88	105	3464142	10.326	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3275301	10.124	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	3459594	9.677	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	1952588	8.624	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1950453	9.270	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1843259	9.042	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1382292	8.581	ppbv	99
79) Naphthalene	22.26	128	2889415	12.490	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1058791	19.375	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1586868	10.828	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 49 Resp: 1297340

Ion Ratio Lower Upper

49 100

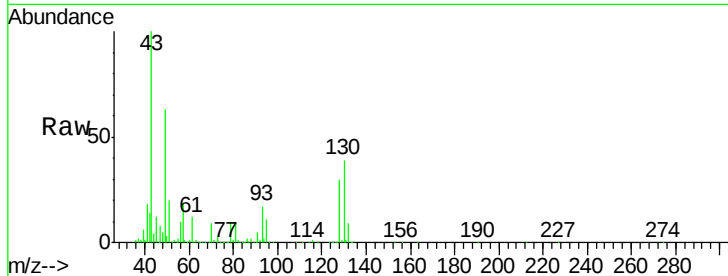
128 46.6 23.8 71.4

130 60.4 29.9 89.8

Manual Integrations
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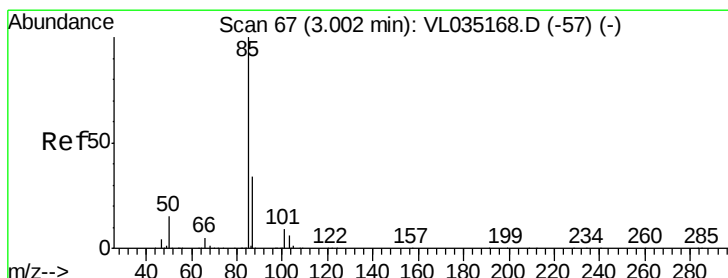
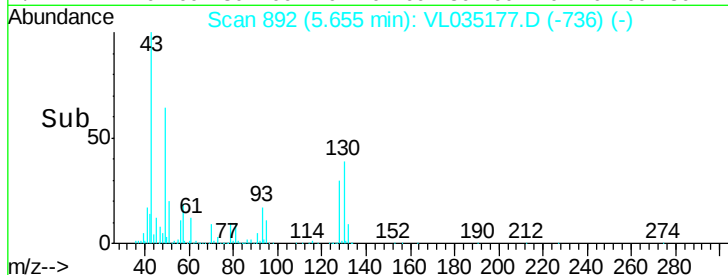
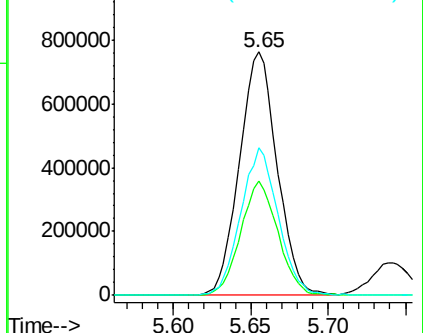
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.928 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL035177.D

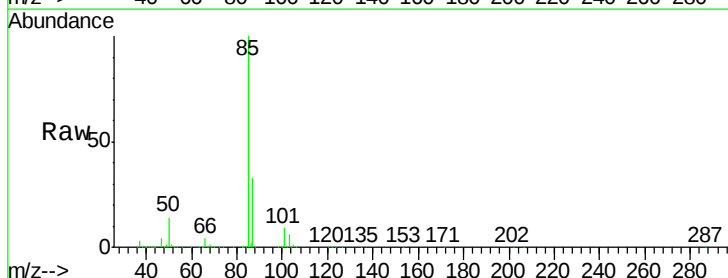
Acq: 8 Jul 2020 9:55

Tgt Ion: 85 Resp: 1623269

Ion Ratio Lower Upper

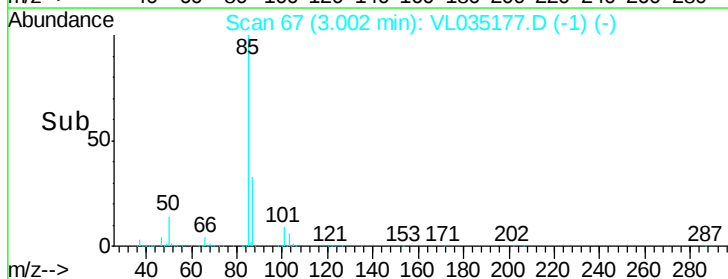
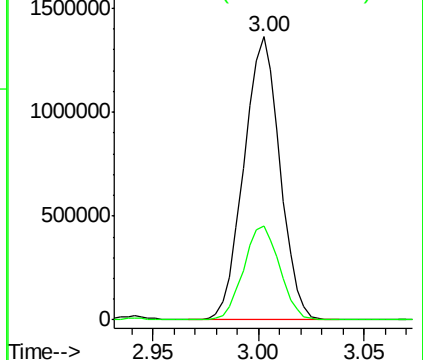
85 100

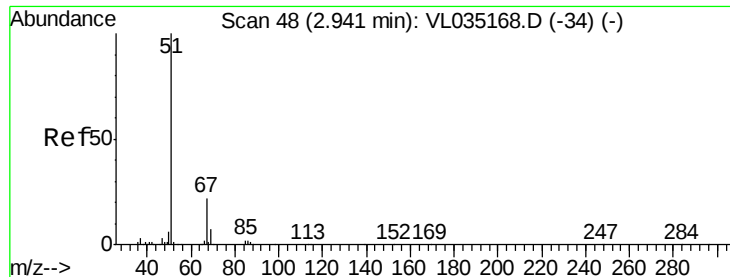
87 33.2 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





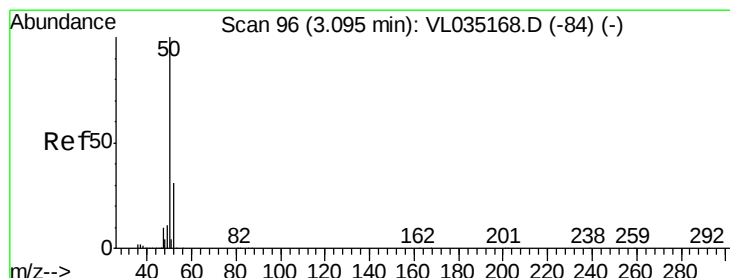
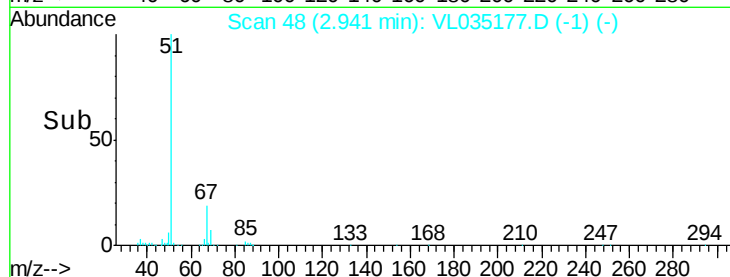
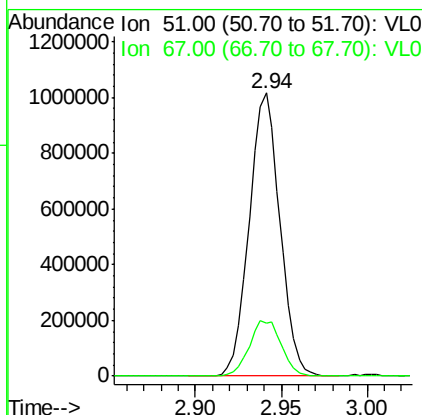
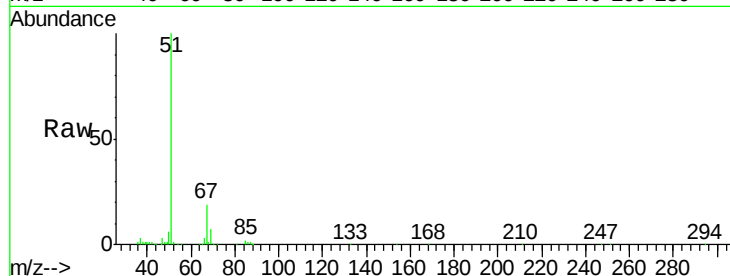
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Chlorodifluoromethane
Concen: 8.782 ppbv
RT: 2.94 min Scan# 48
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion: 51 Resp: 1258427
Ion Ratio Lower Upper
51 100
67 20.6 16.6 24.8

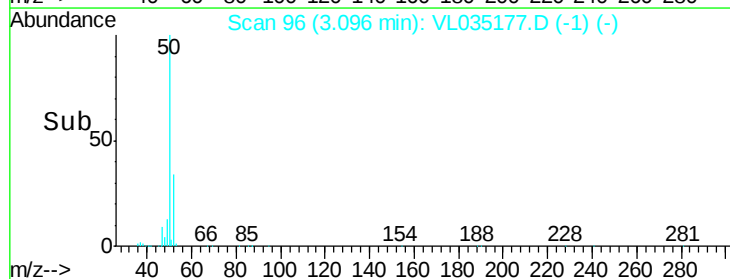
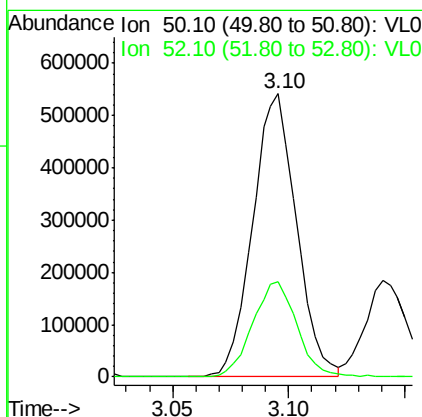
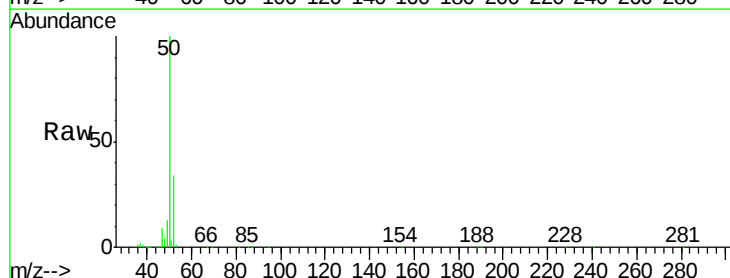
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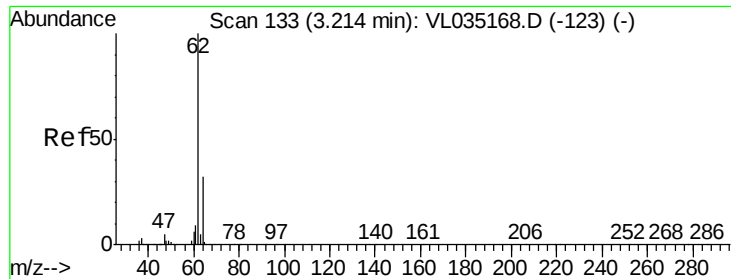
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#4
Chloromethane
Concen: 8.797 ppbv
RT: 3.10 min Scan# 96
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Tgt Ion: 50 Resp: 710495
Ion Ratio Lower Upper
50 100
52 33.7 25.0 37.6





#5

Vinyl Chloride

Concen: 8.493 ppbv

RT: 3.21 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 62 Resp: 733044

Ion Ratio Lower Upper

62 100

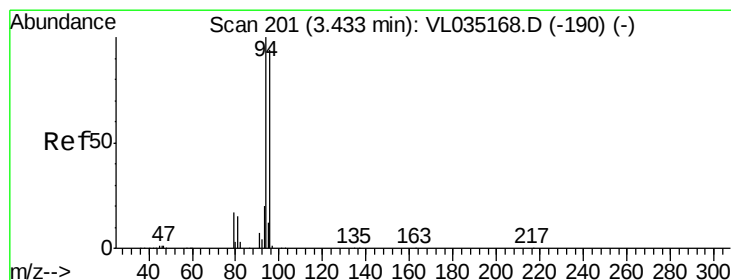
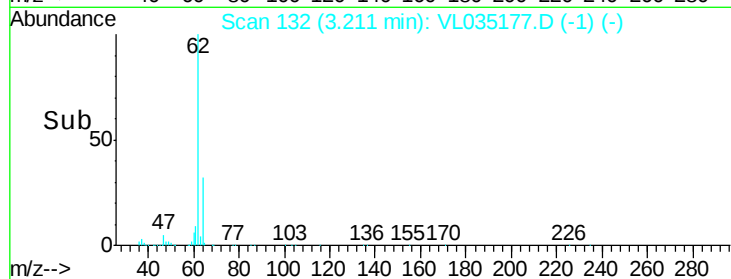
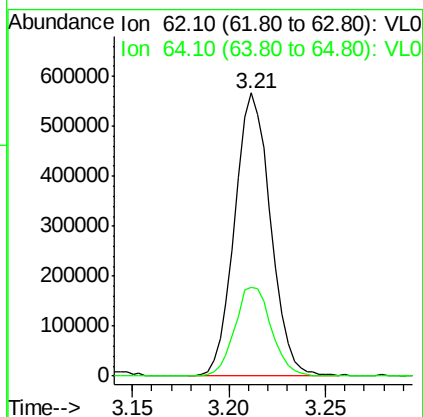
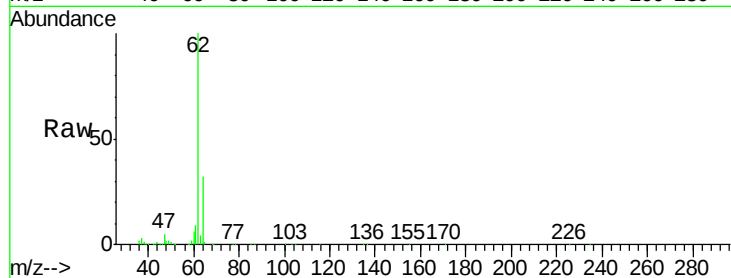
64 31.5 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 9.450 ppbv

RT: 3.43 min Scan# 200

Delta R.T. -0.00 min

Lab File: VL035177.D

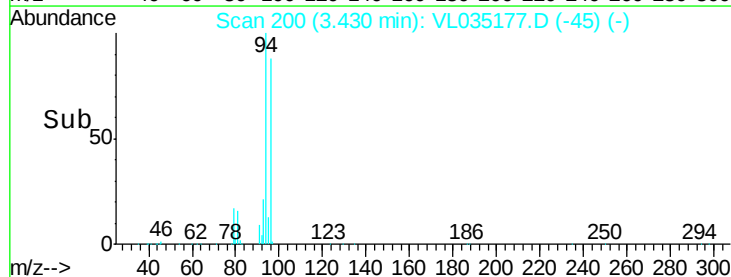
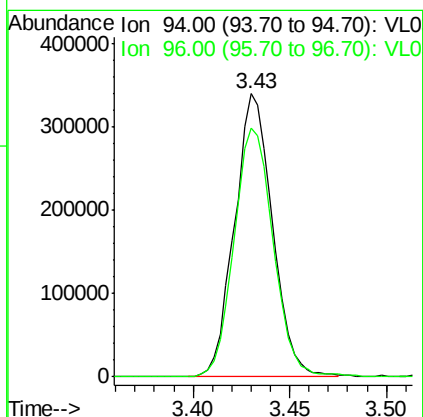
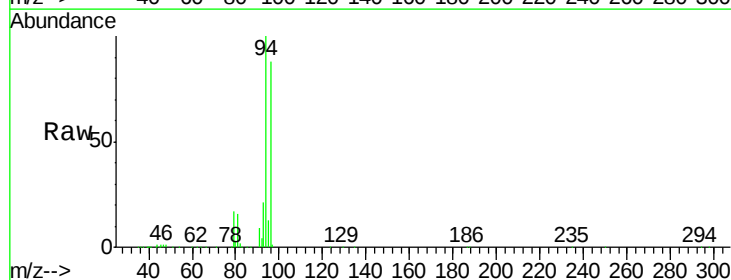
Acq: 8 Jul 2020 9:55

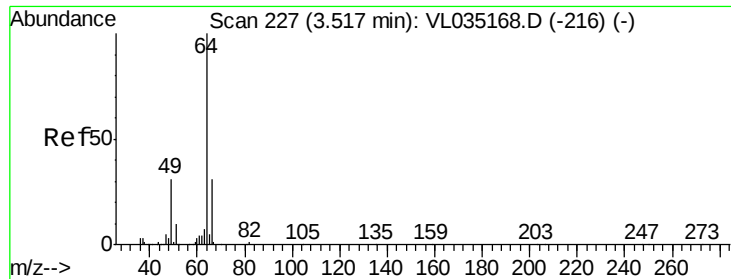
Tgt Ion: 94 Resp: 462908

Ion Ratio Lower Upper

94 100

96 87.6 74.8 112.2





#7

Chloroethane

Concen: 9.230 ppbv

RT: 3.52 min Scan# 227

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 64 Resp: 281611

Ion Ratio Lower Upper

64 100

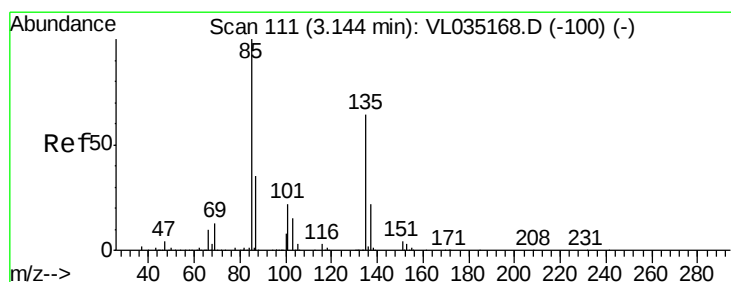
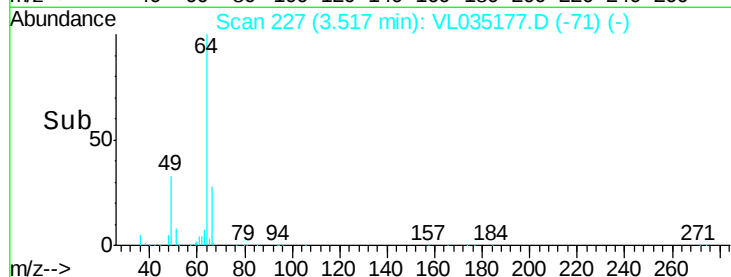
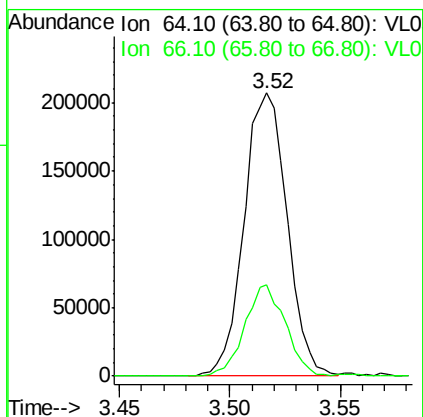
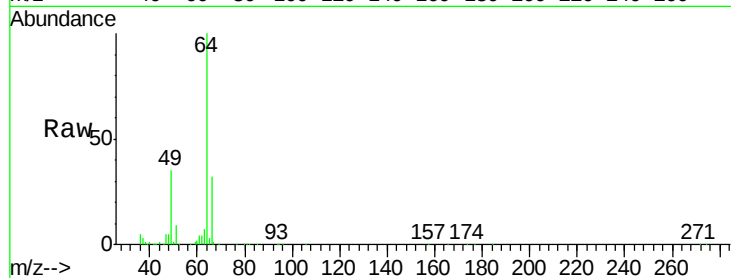
66 32.3 24.6 36.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.579 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035177.D

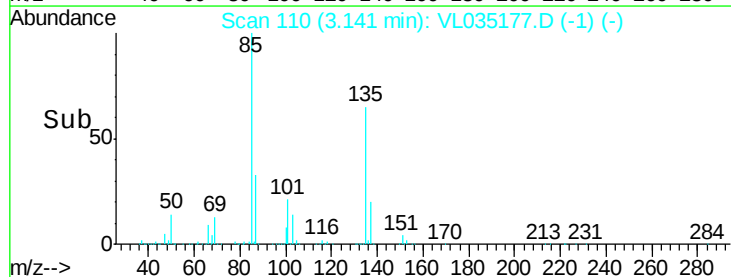
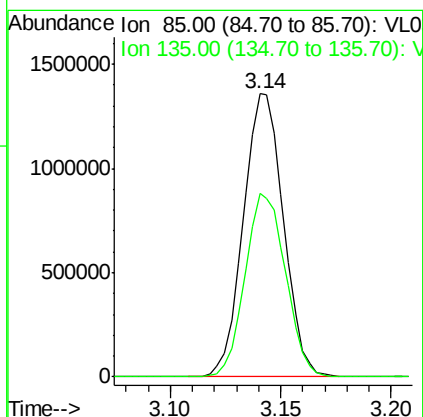
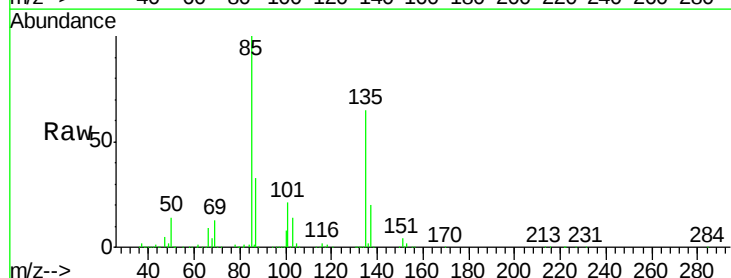
Acq: 8 Jul 2020 9:55

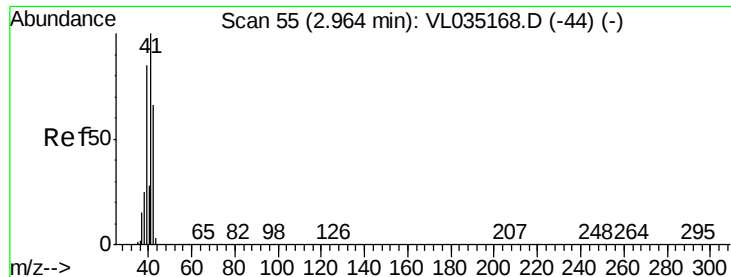
Tgt Ion: 85 Resp: 1709621

Ion Ratio Lower Upper

85 100

135 65.6 52.1 78.1





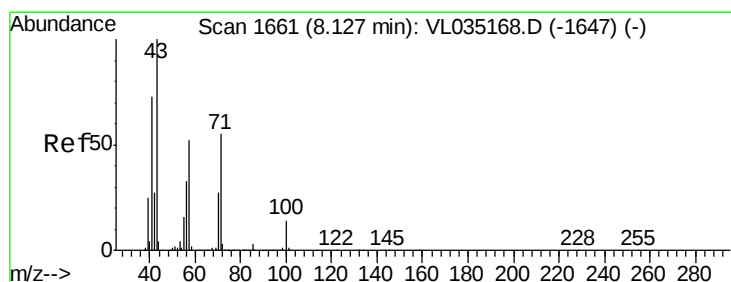
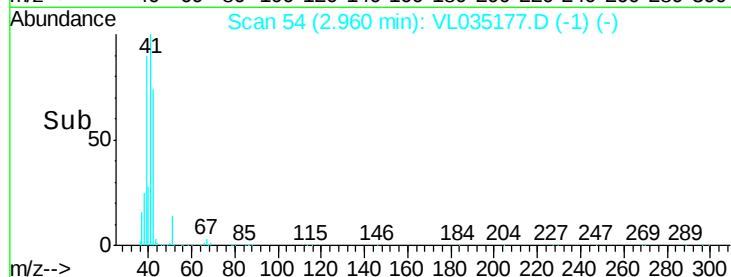
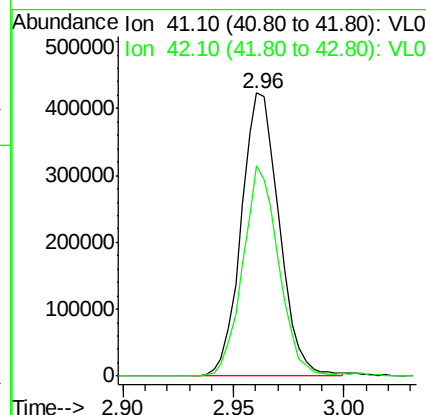
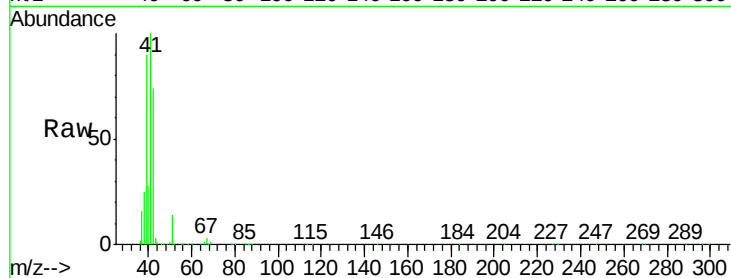
#9
 Propene
 Concen: 9.375 ppbv
 RT: 2.96 min Scan# 54
 Delta R.T. -0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion: 41 Resp: 507728
 Ion Ratio Lower Upper
 41 100
 42 70.9 54.6 81.8

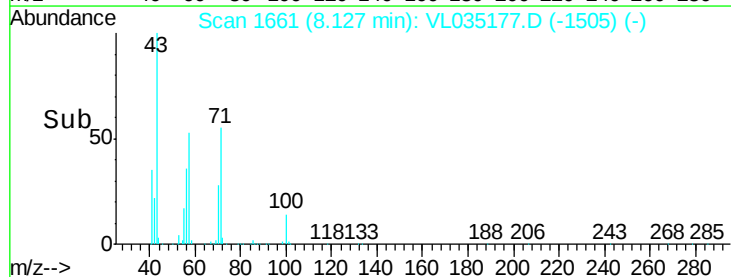
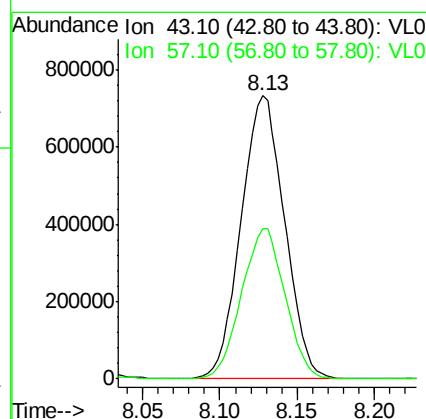
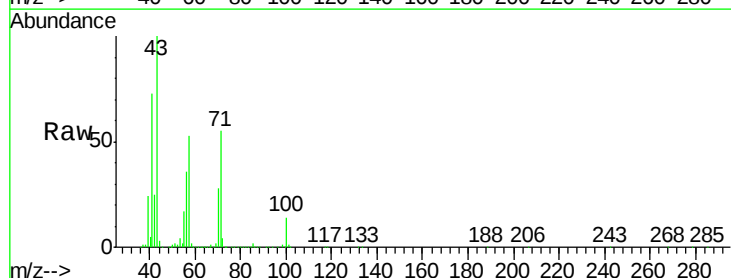
Manual Integrations
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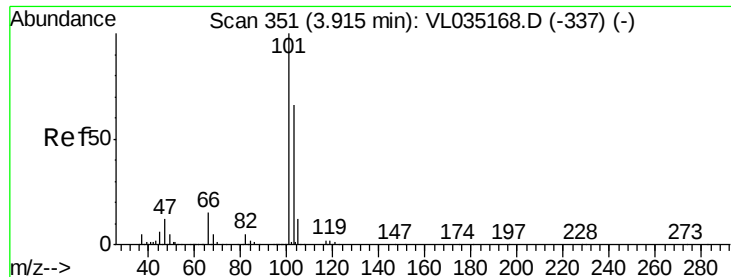
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#10
 Heptane
 Concen: 10.257 ppbv
 RT: 8.13 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Tgt Ion: 43 Resp: 1426117
 Ion Ratio Lower Upper
 43 100
 57 53.5 41.8 62.6





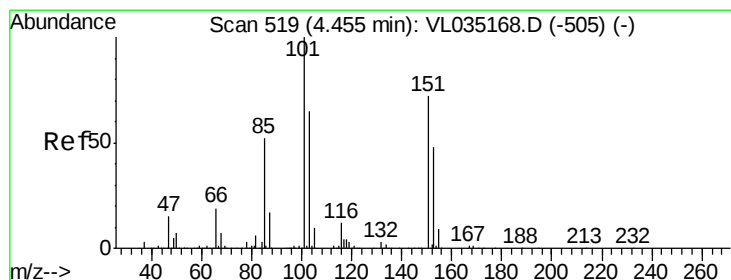
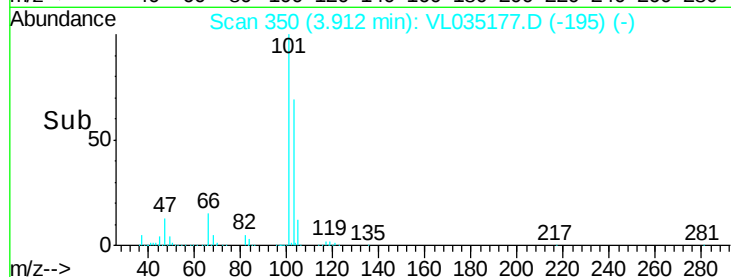
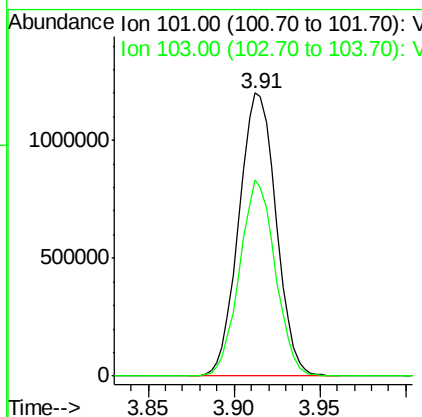
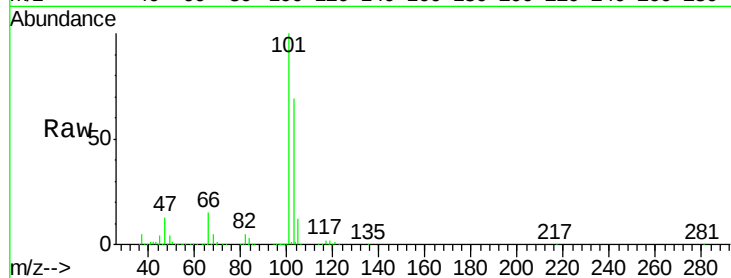
#11
 Trichlorofluoromethane
 Concen: 8.805 ppbv
 RT: 3.91 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion:101 Resp: 1807888
 Ion Ratio Lower Upper
 101 100
 103 69.3 53.1 79.7

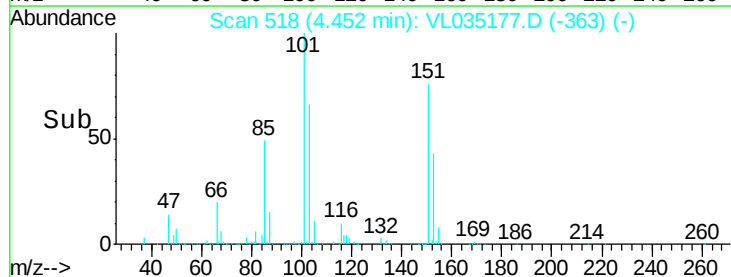
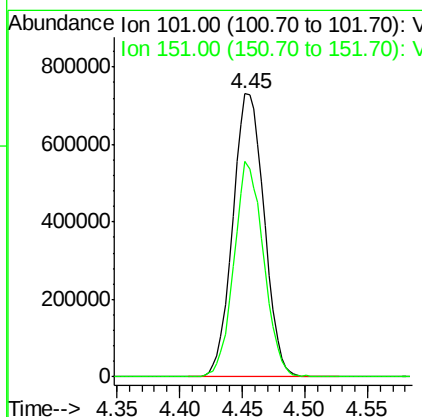
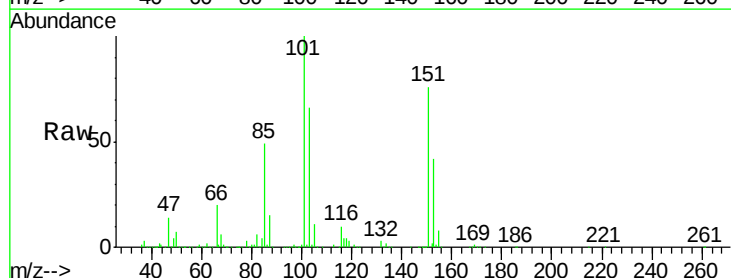
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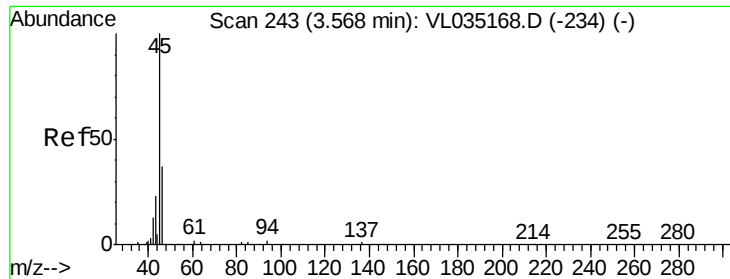
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.841 ppbv
 RT: 4.45 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Tgt Ion:101 Resp: 1274791
 Ion Ratio Lower Upper
 101 100
 151 71.7 57.0 85.4





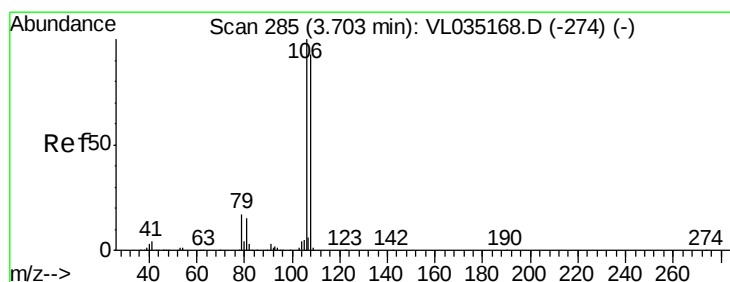
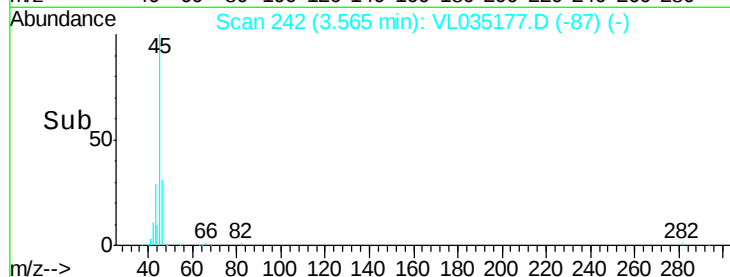
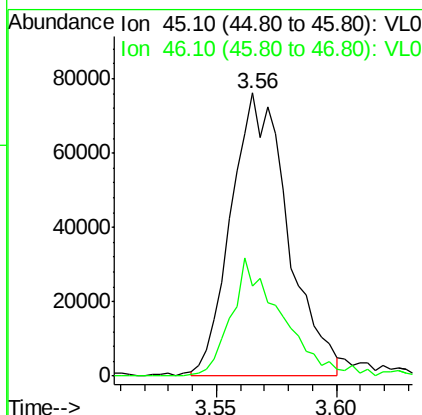
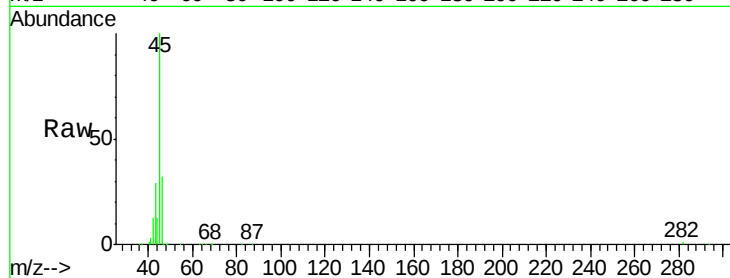
#13
Ethanol
Concen: 7.321 ppbv m
RT: 3.56 min Scan# 242
Delta R.T. -0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.2	65.0#

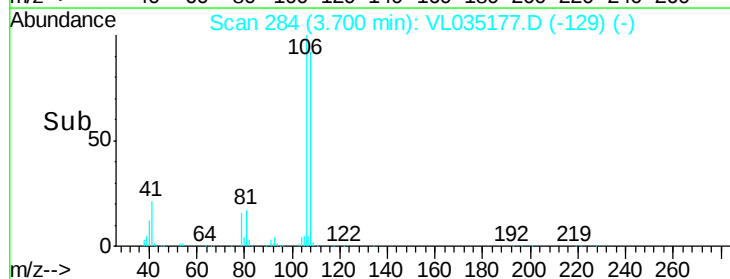
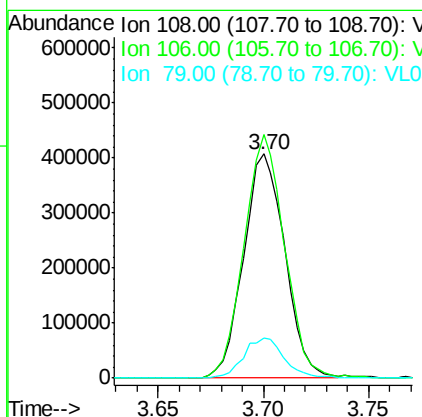
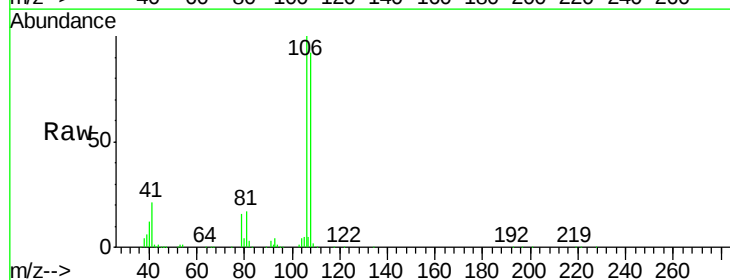
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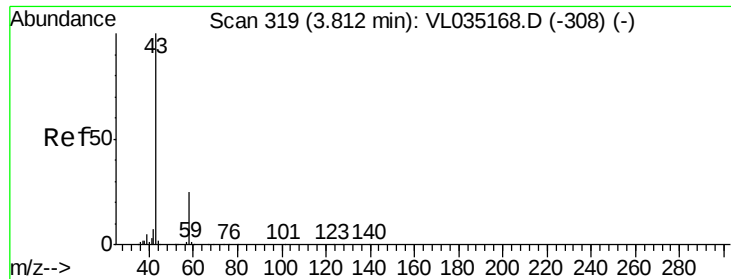
MMDadoda
7/9/2020 12:02:44 PM



#14
Bromoethene
Concen: 9.358 ppbv
RT: 3.70 min Scan# 284
Delta R.T. -0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.1	86.2	129.2
79	18.0	15.0	22.6





#15

Acetone

Concen: 7.827 ppbv

RT: 3.81 min Scan# 319

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Tot Ion: 43 Resp: 1374796

Ion Ratio Lower Upper

43 100

58 27.2 21.3 31.9

Instrument :

MSVOA_L

ClientSampleId :

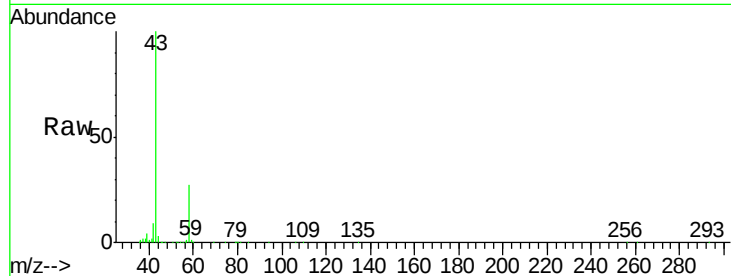
VL0708ABS01

Manual Integrations

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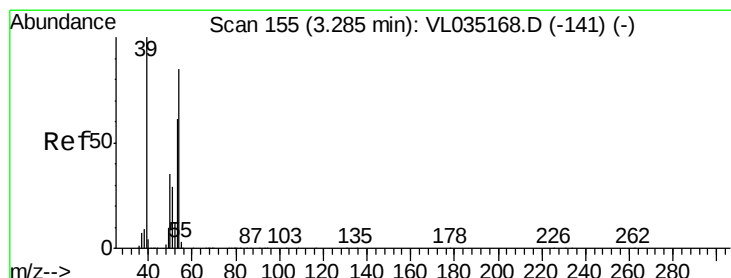
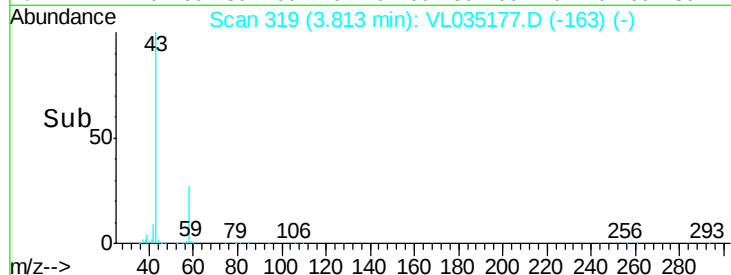
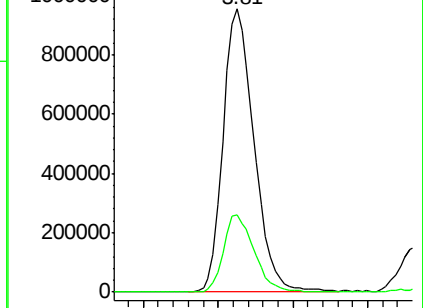
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.730 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.00 min

Lab File: VL035177.D

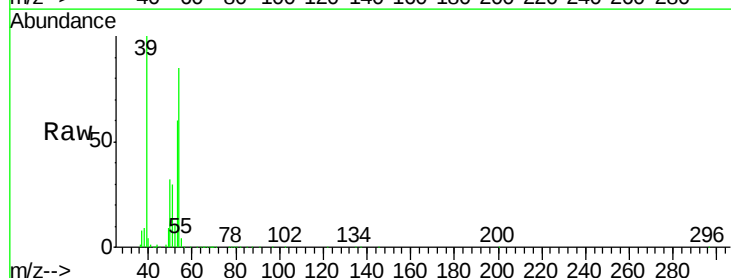
Acq: 8 Jul 2020 9:55

Tgt Ion: 39 Resp: 655985

Ion Ratio Lower Upper

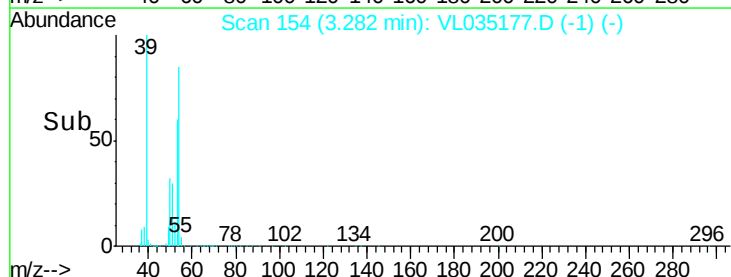
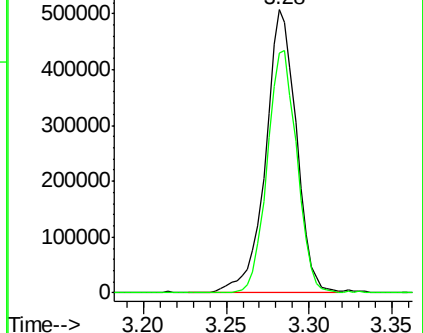
39 100

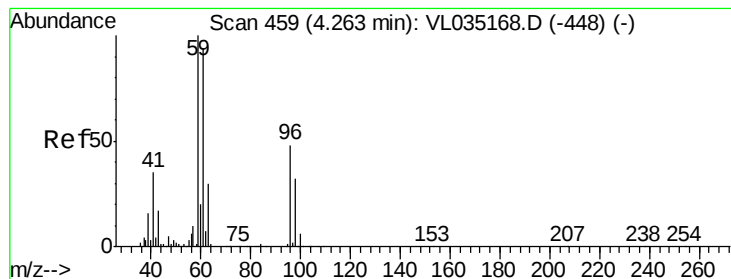
54 82.6 67.2 100.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

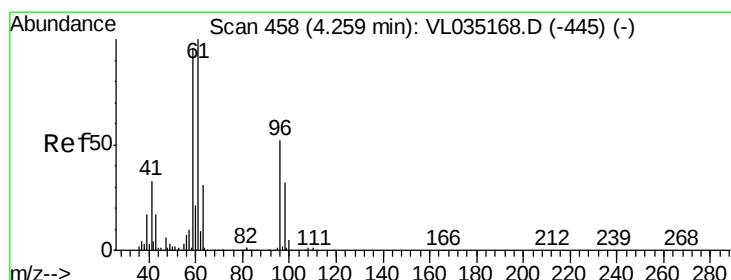
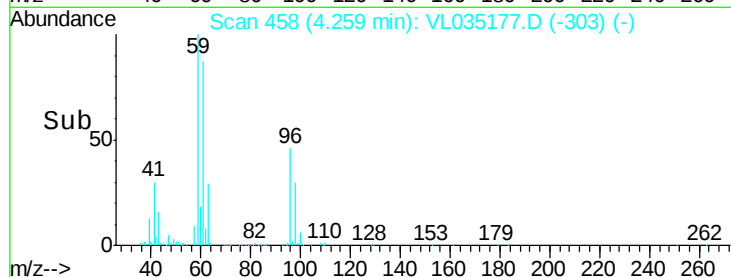
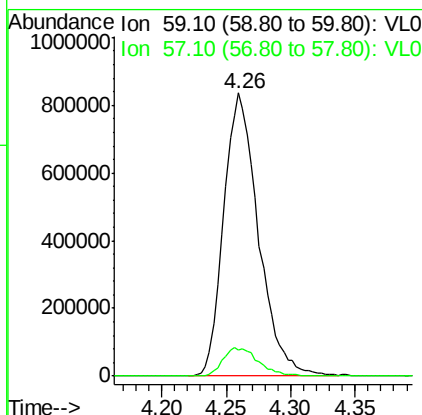
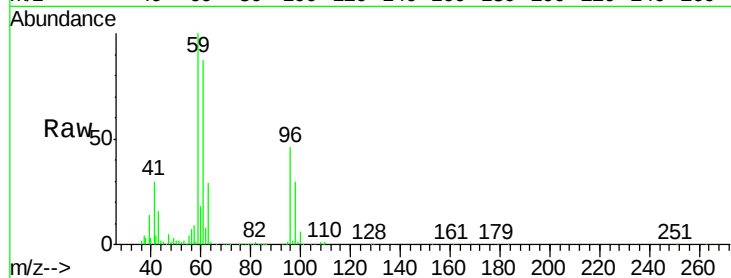
tert-Butyl alcohol
Concen: 10.064 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion: 59 Resp: 1564052
Ion Ratio Lower Upper
59 100
57 10.4 8.6 12.8

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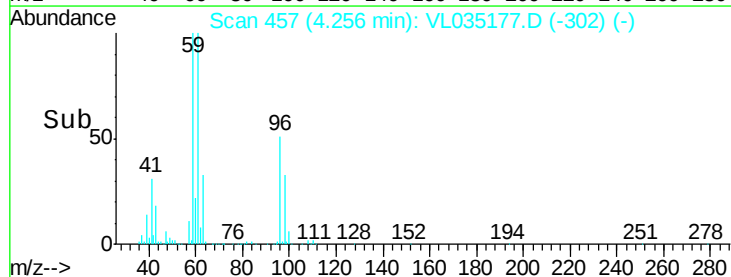
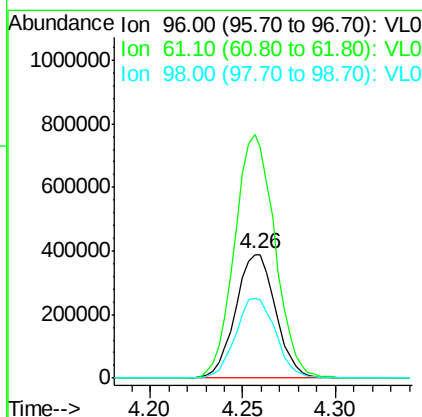
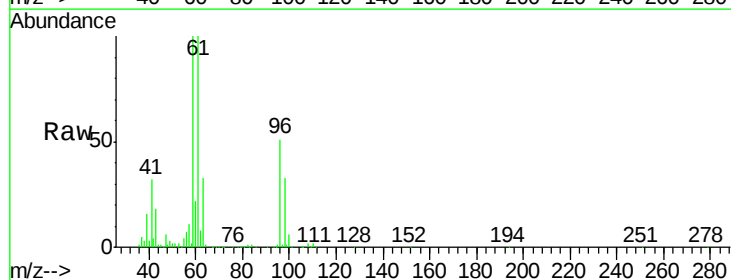
MMDadoda
7/9/2020 12:02:44 PM

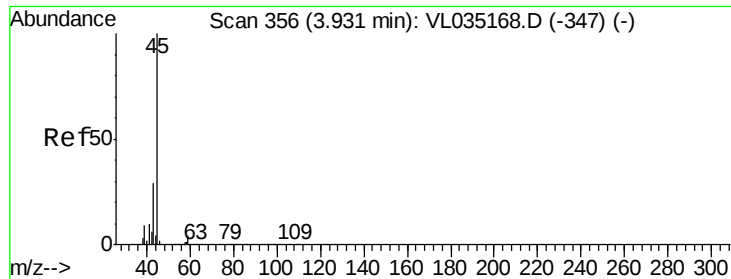


#18

1,1-Dichloroethene
Concen: 9.153 ppbv
RT: 4.26 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Tgt Ion: 96 Resp: 584387
Ion Ratio Lower Upper
96 100
61 196.7 152.9 229.3
98 64.9 48.7 73.1





#19

Isopropyl Alcohol

Concen: 9.689 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 45 Resp: 1026641

Ion Ratio Lower Upper

45 100

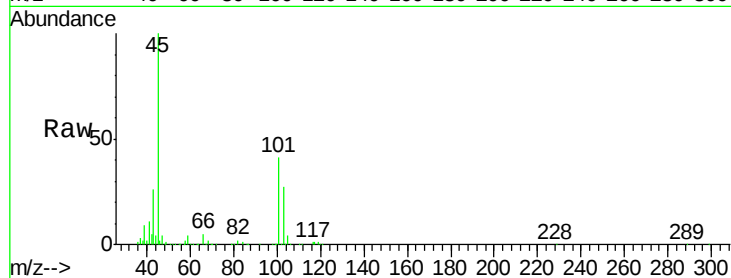
58 2.3 2.1 3.1

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

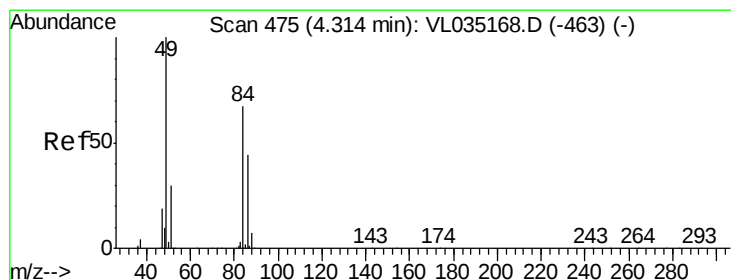
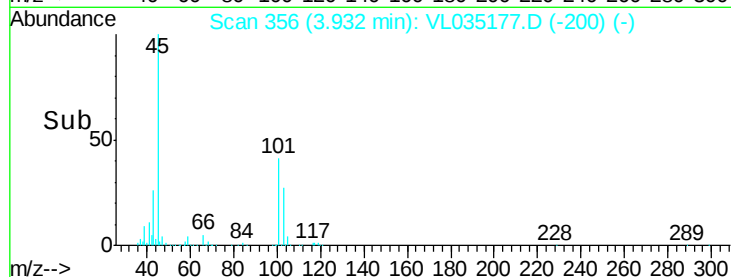
600000

400000

200000

0

Time--> 3.85 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 7.377 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Tgt Ion: 84 Resp: 563774

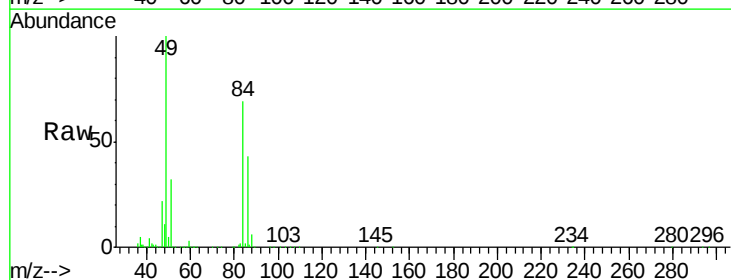
Ion Ratio Lower Upper

84 100

49 144.6 119.4 179.0

51 45.6 36.6 55.0

86 62.2 52.5 78.7



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

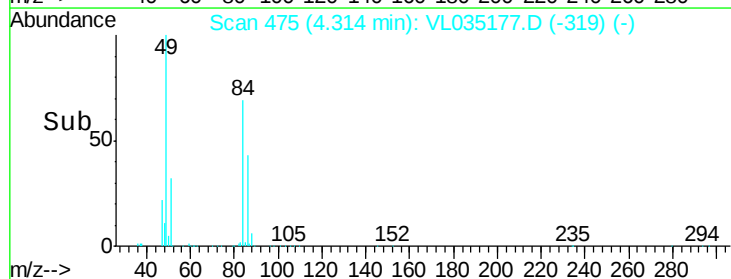
600000

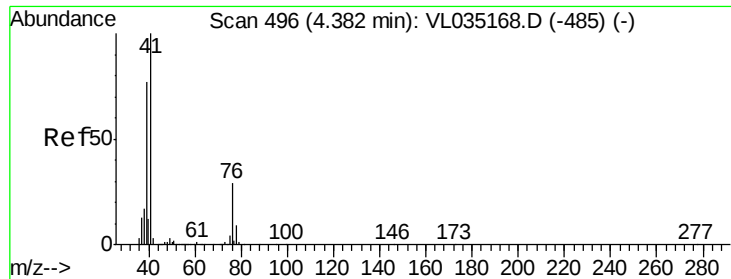
400000

200000

0

Time--> 4.25 4.30 4.35





#21

Allvl Chloride

Concen: 9.474 ppbv

RT: 4.38 min Scan# 496

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

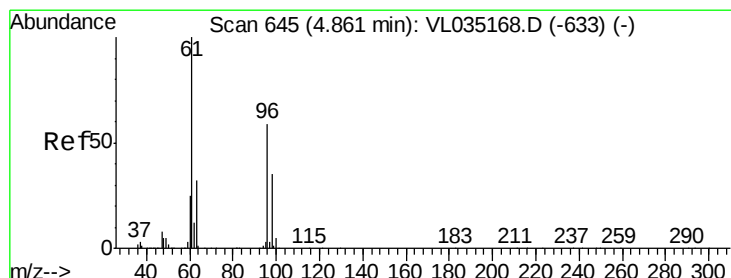
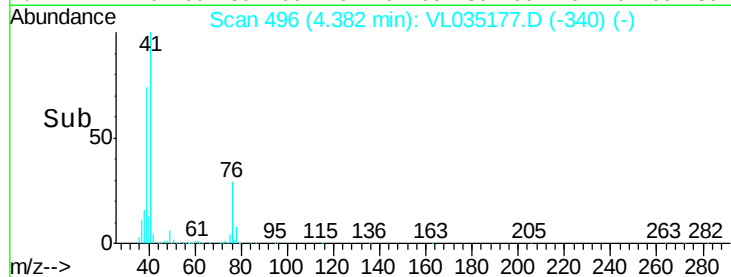
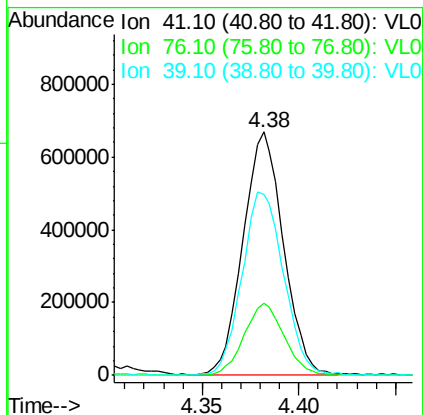
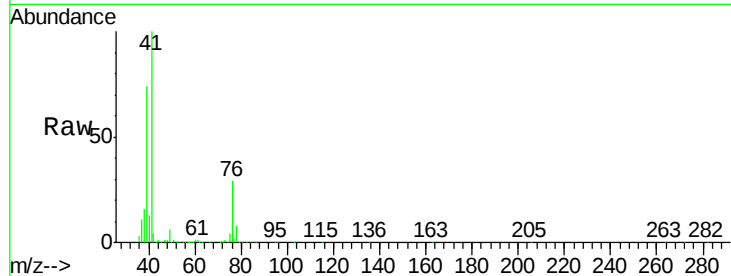
ClientSampleId :

VL0708ABS01

Tot Ion:	41	Resp:	968572
Ion Ratio		Lower	Upper
41	100		
76	29.4	23.5	35.3
39	78.1	63.4	95.0

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#22

trans-1,2-Dichloroethene

Concen: 9.134 ppbv

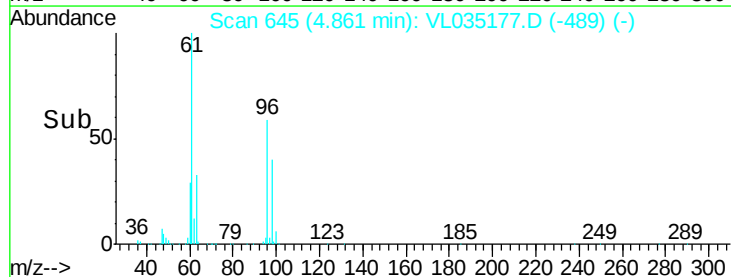
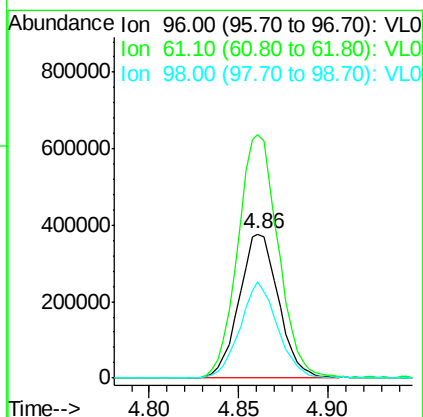
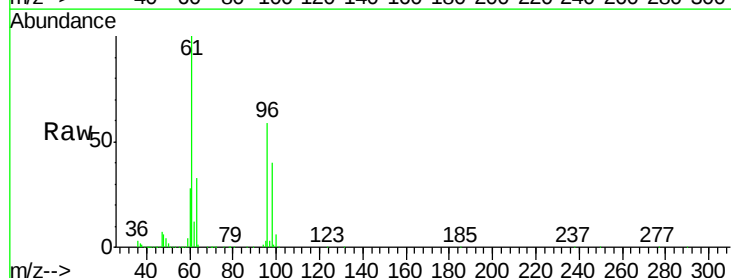
RT: 4.86 min Scan# 645

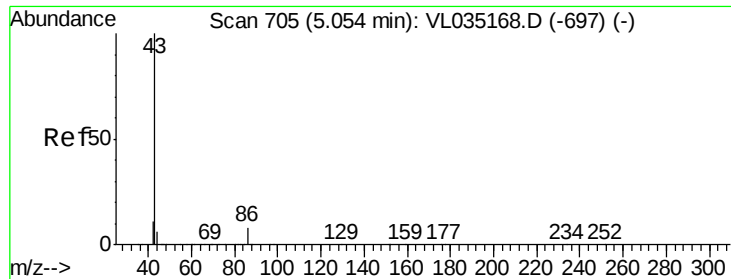
Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Tgt Ion:	96	Resp:	582167
Ion Ratio		Lower	Upper
96	100		
61	169.3	136.5	204.7
98	67.0	47.5	71.3





#23

Vinyl Acetate

Concen: 9.994 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Tot Ion: 43 Resp: 1900066

Ion Ratio Lower Upper

43 100

86 8.5 6.2 9.2

42 9.9 9.1 13.7

44 5.1 4.6 6.8

Instrument :

MSVOA_L

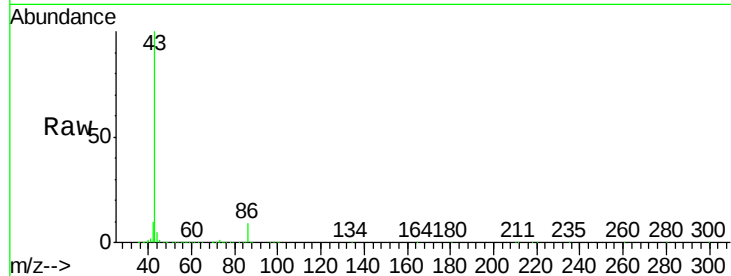
ClientSampleId :

VL0708ABS01

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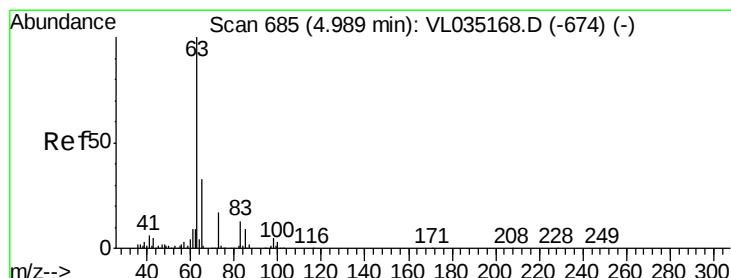
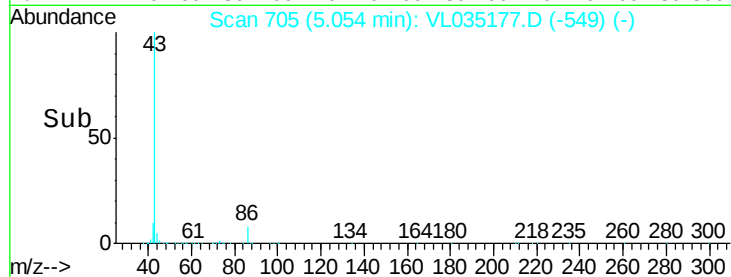
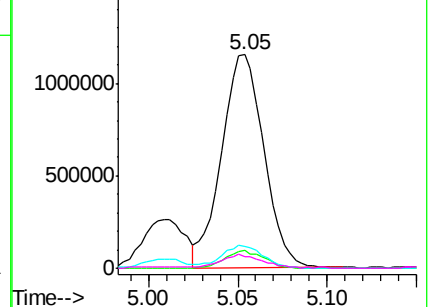


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.081 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

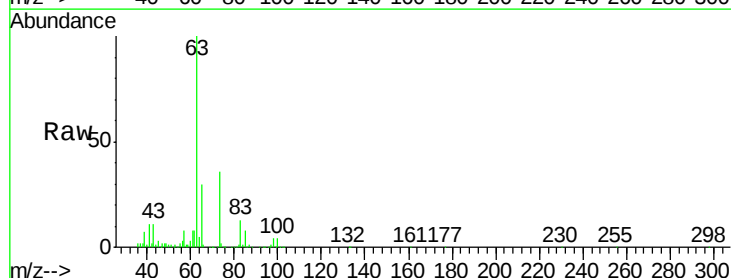
Tgt Ion: 63 Resp: 1482610

Ion Ratio Lower Upper

63 100

98 4.3 2.4 7.1

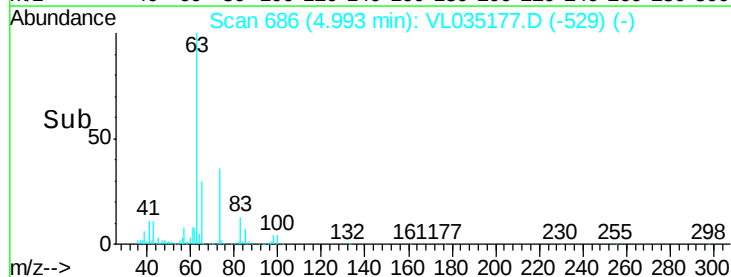
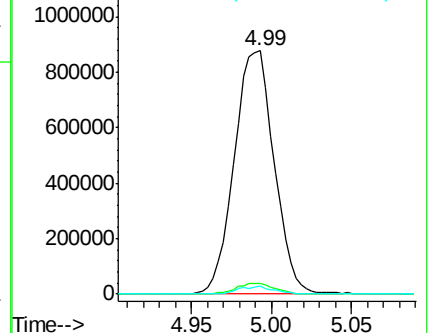
100 3.5 1.4 4.0

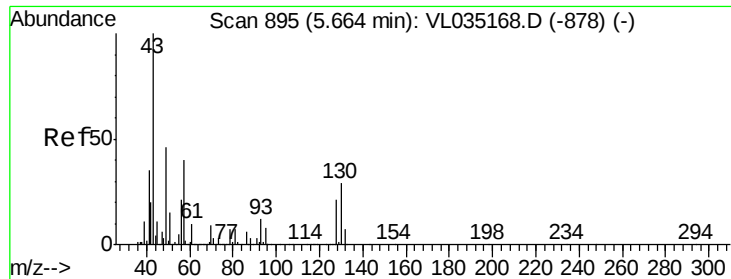


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.391 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 43 Resp: 2559764

Ion Ratio Lower Upper

43 100

45 10.5 8.5 12.7

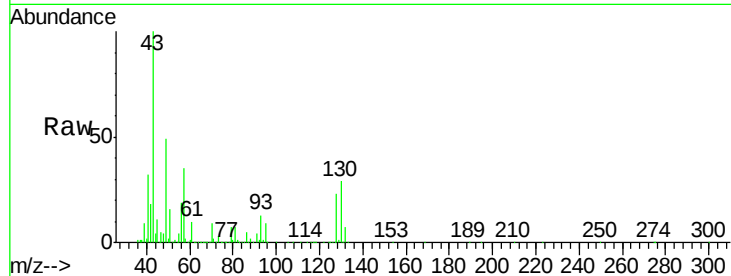
61 10.1 8.1 12.1

70 7.8 6.3 9.5

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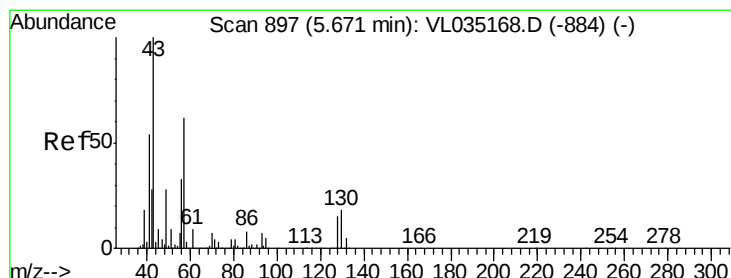
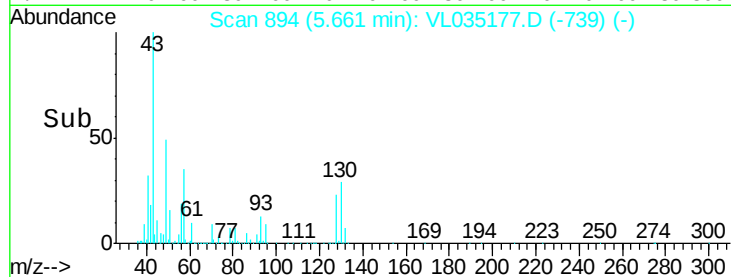
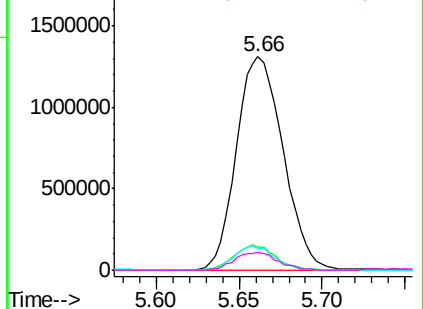


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.595 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Tgt Ion: 57 Resp: 1153057

Ion Ratio Lower Upper

57 100

41 91.1 72.9 109.3

43 223.9 179.5 269.3

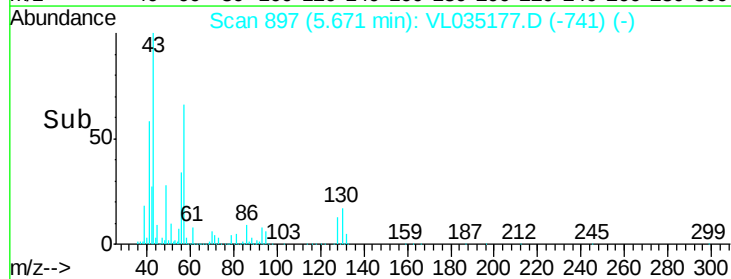
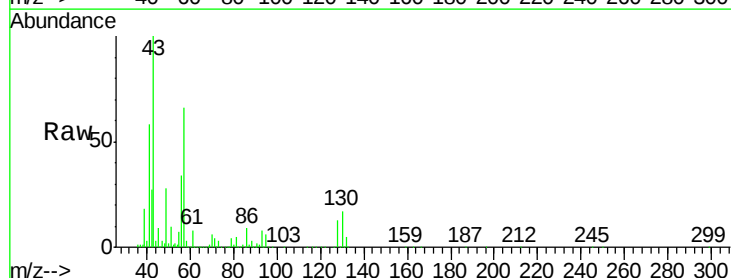
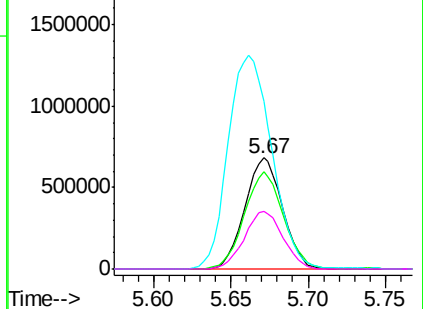
56 53.4 42.9 64.3

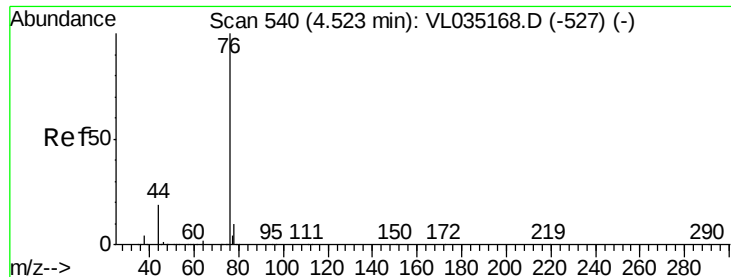
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.348 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 76 Resp: 1568714

Ion Ratio Lower Upper

76 100

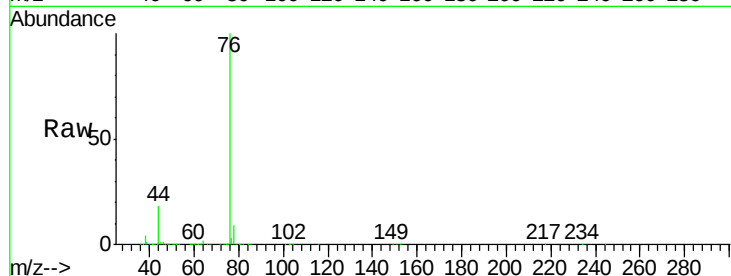
44 19.2 14.9 22.3

78 9.6 7.5 11.3

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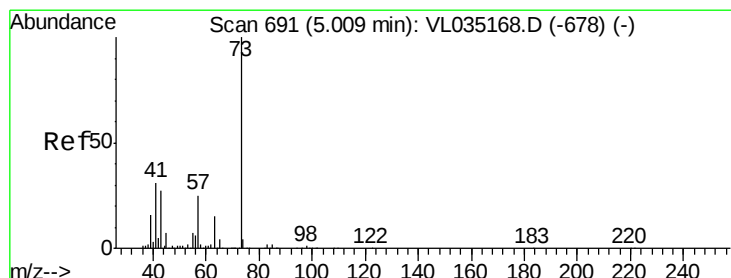
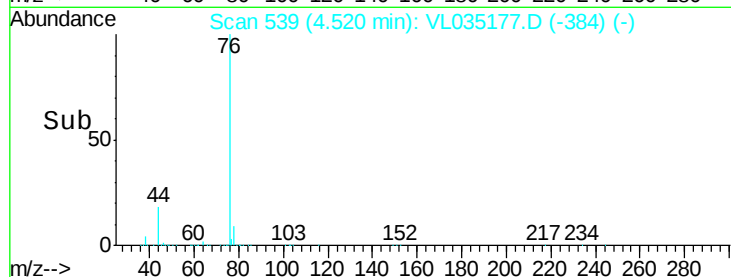
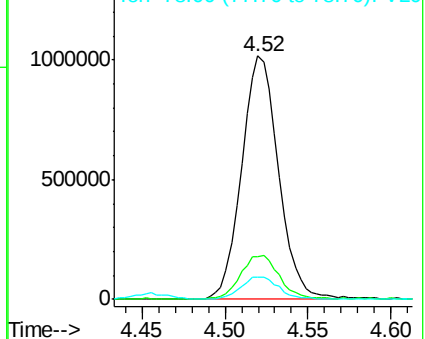
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.683 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL035177.D

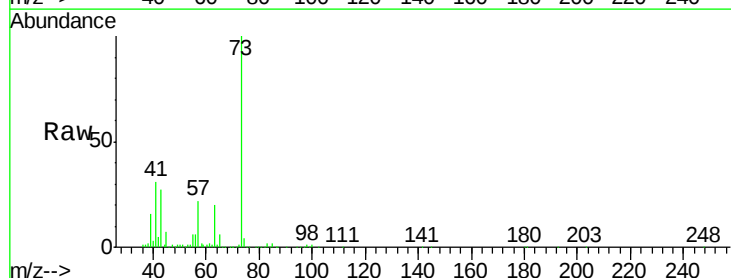
Acq: 8 Jul 2020 9:55

Tgt Ion: 73 Resp: 1773000

Ion Ratio Lower Upper

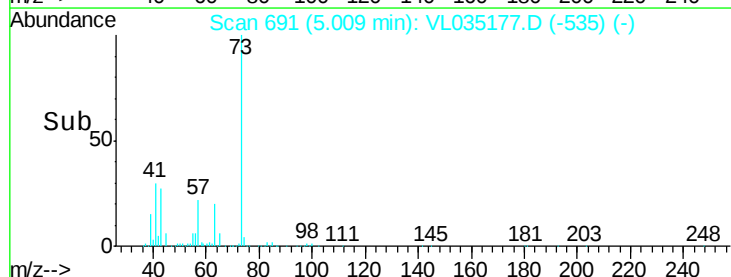
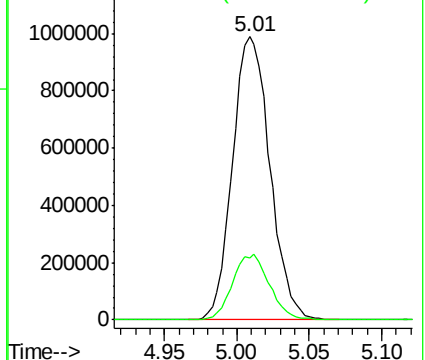
73 100

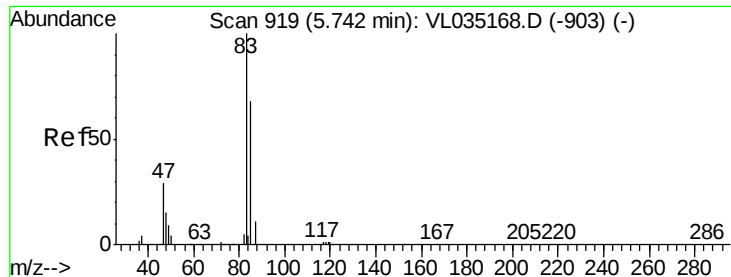
57 22.8 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





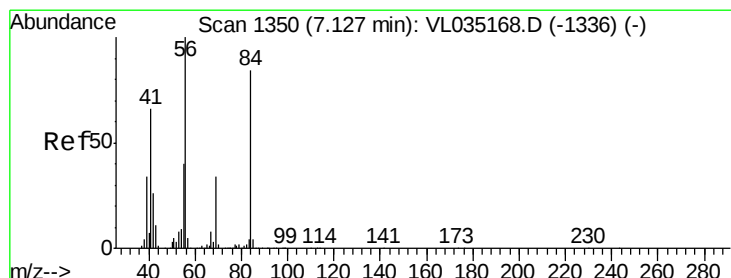
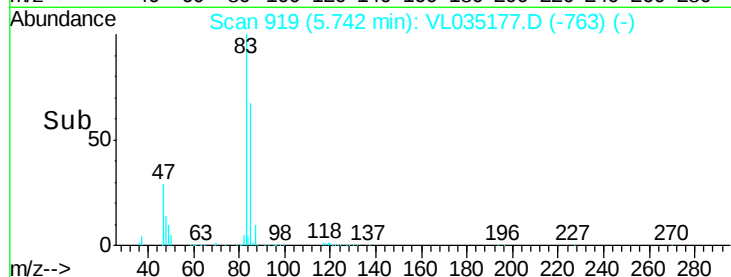
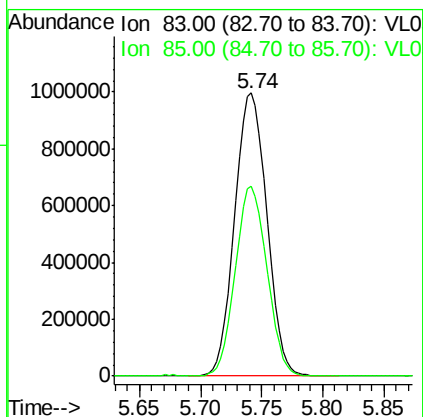
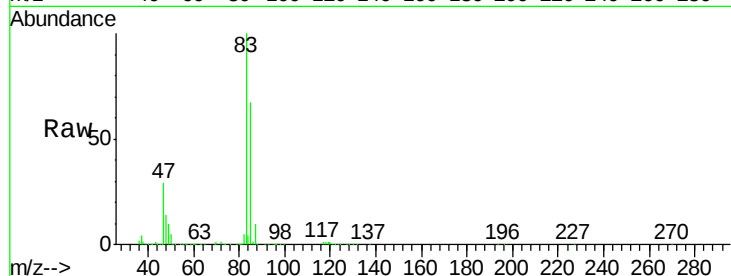
#29
Chloroform
Concen: 9.058 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion: 83 Resp: 1825101
Ion Ratio Lower Upper
83 100
85 66.9 54.3 81.5

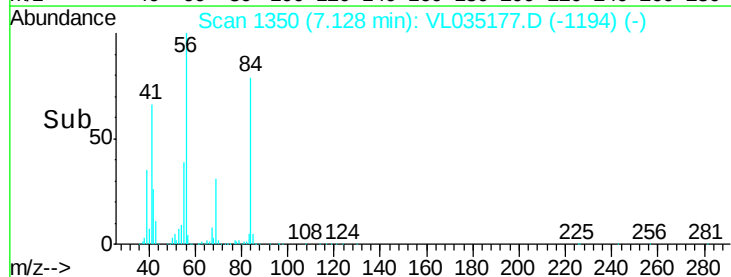
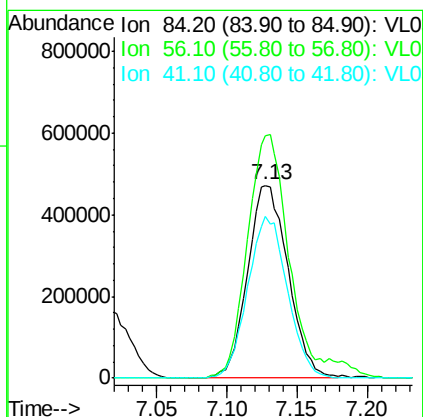
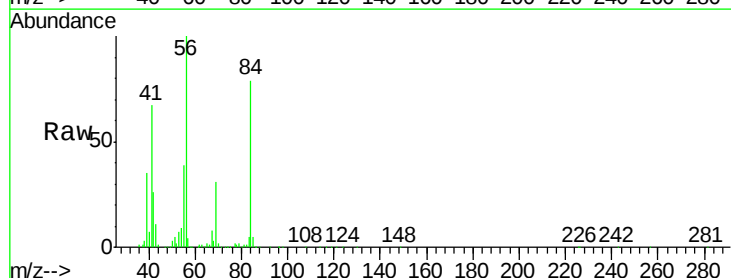
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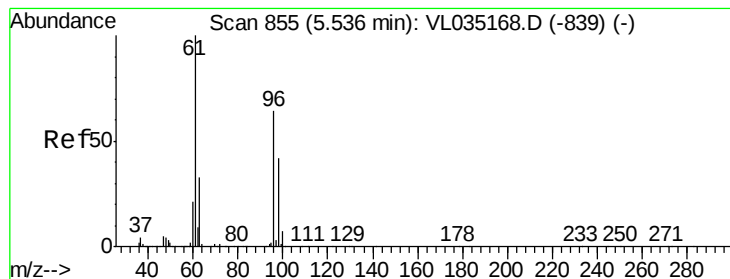
MMDadoda
7/9/2020 12:02:44 PM



#30
Cyclohexane
Concen: 10.654 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Tgt Ion: 84 Resp: 947403
Ion Ratio Lower Upper
84 100
56 133.5 105.6 158.4
41 82.5 64.9 97.3





#31

cis-1,2-Dichloroethene

Concen: 10.018 ppbv

RT: 5.54 min Scan# 855

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 61 Resp: 1138842

Ion Ratio Lower Upper

61 100

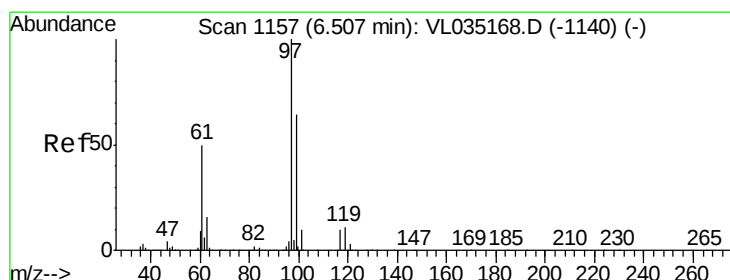
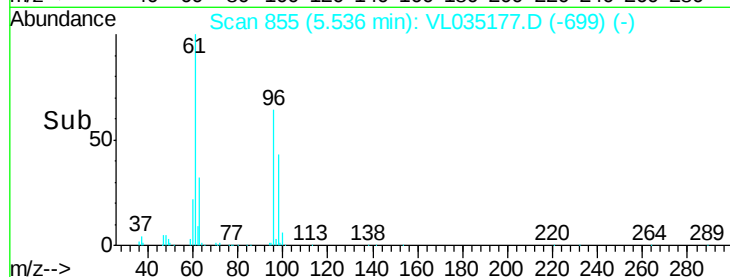
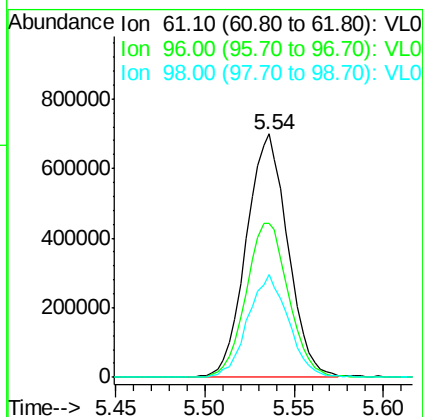
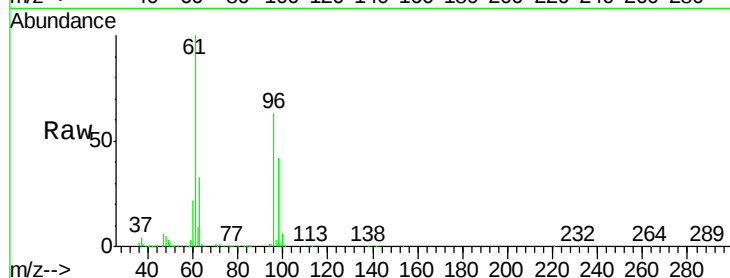
96 63.3 51.3 76.9

98 42.4 33.8 50.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 8.898 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

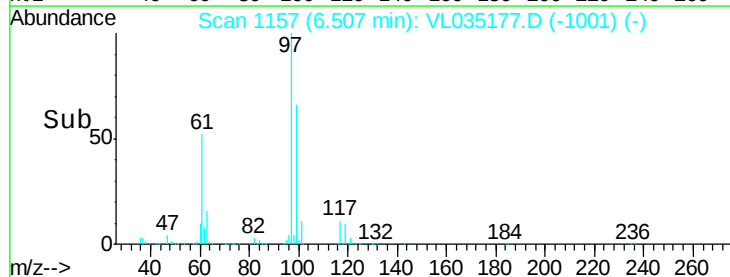
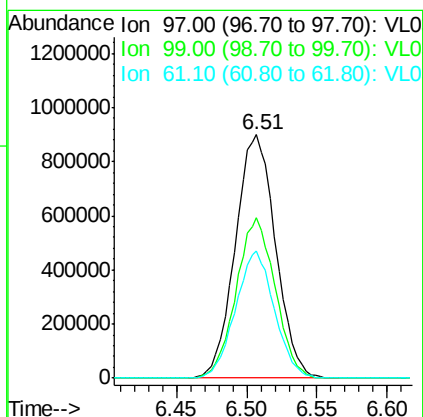
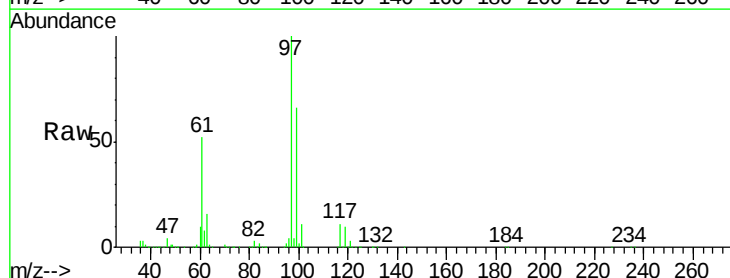
Tgt Ion: 97 Resp: 1796794

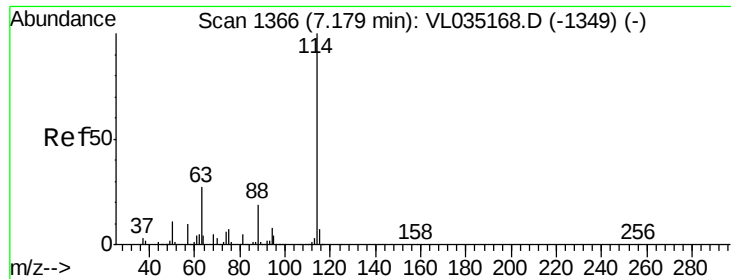
Ion Ratio Lower Upper

97 100

99 64.1 51.2 76.8

61 50.5 40.9 61.3





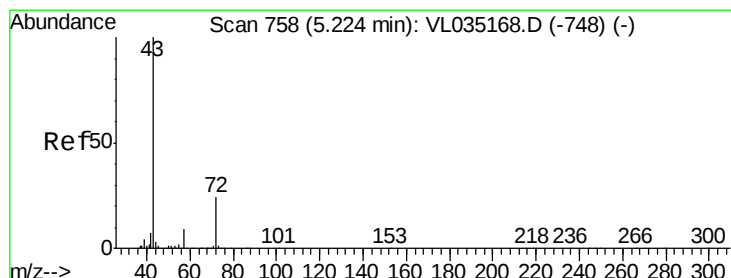
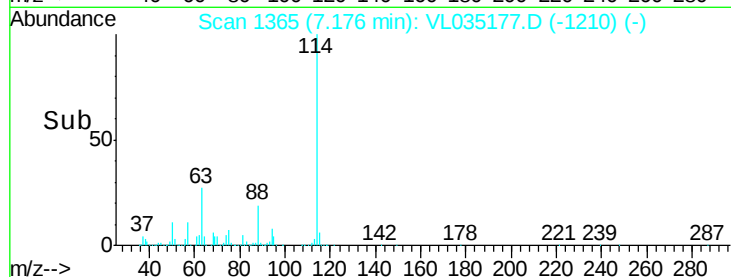
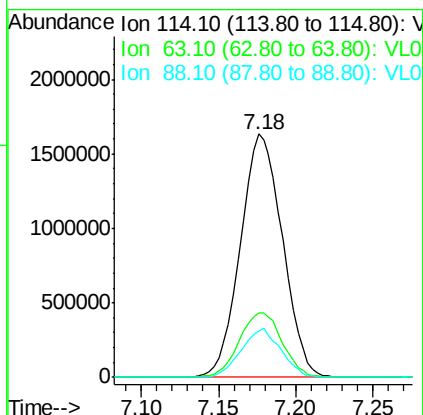
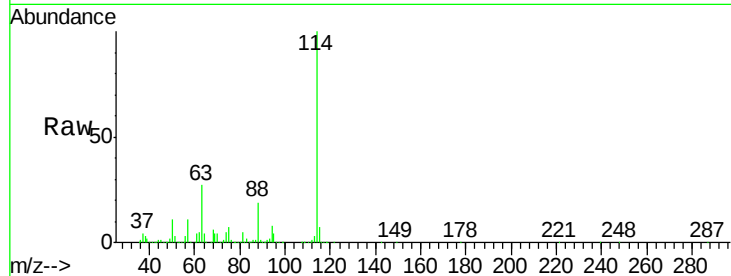
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion:114 Resp: 3085878
 Ion Ratio Lower Upper
 114 100
 63 27.6 22.0 33.0
 88 19.0 15.4 23.0

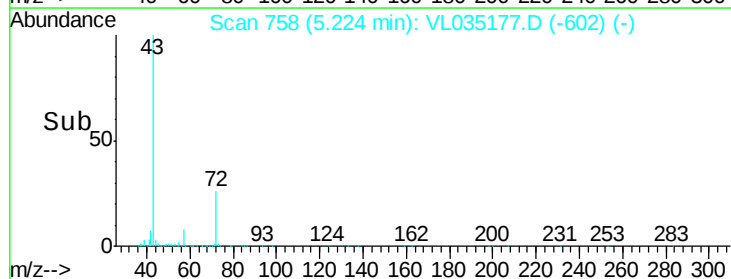
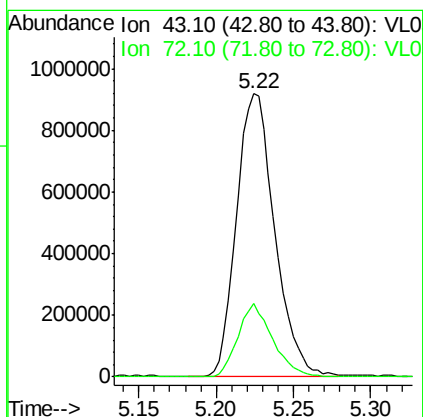
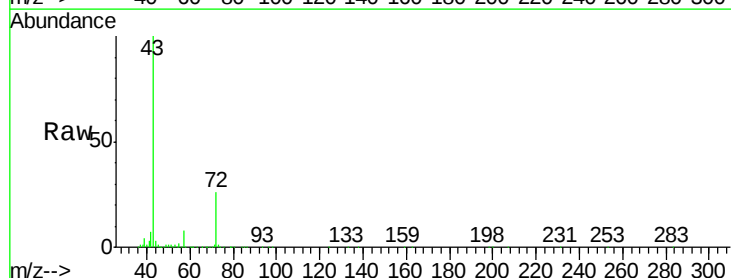
Manual Integrations
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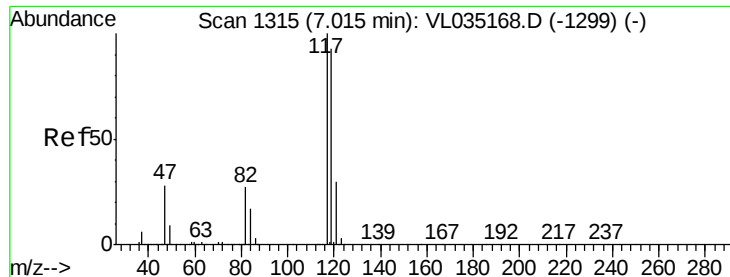
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#34
 2-Butanone
 Concen: 9.543 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Tgt Ion: 43 Resp: 1571826
 Ion Ratio Lower Upper
 43 100
 72 23.6 18.6 28.0





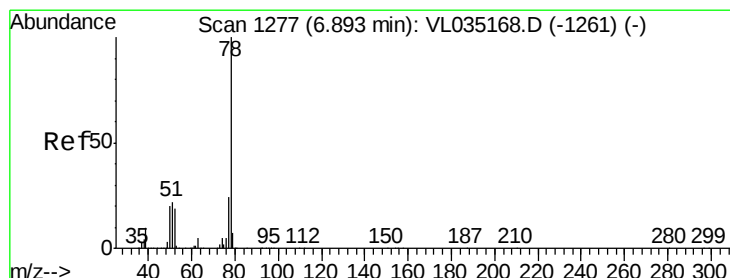
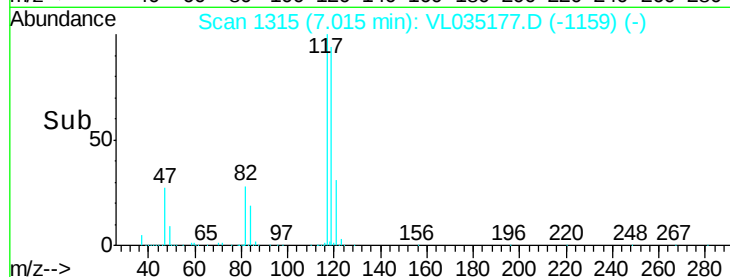
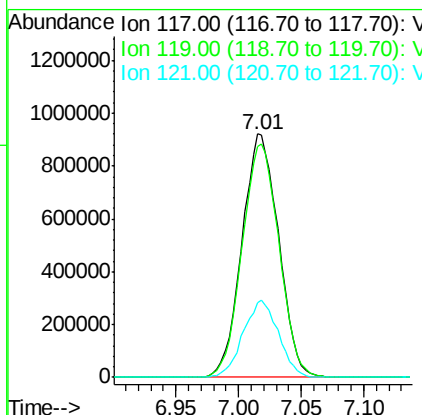
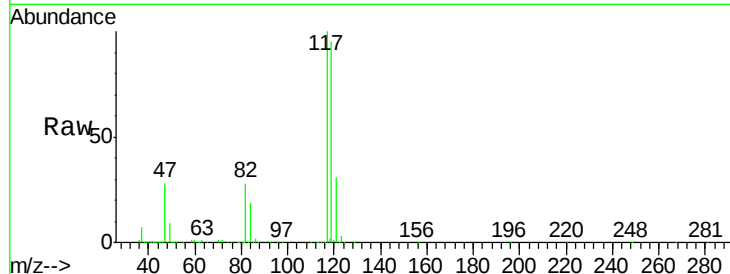
#35
Carbon Tetrachloride
Concen: 9.328 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.0	74.8	112.2
121	30.6	24.2	36.2

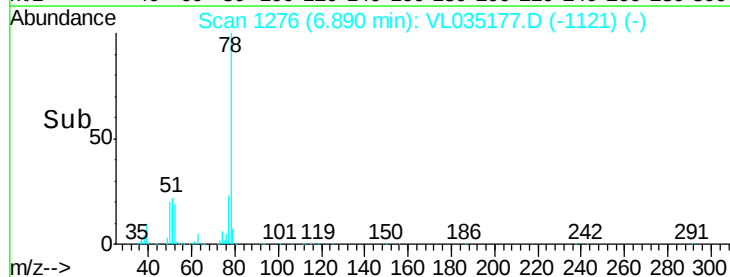
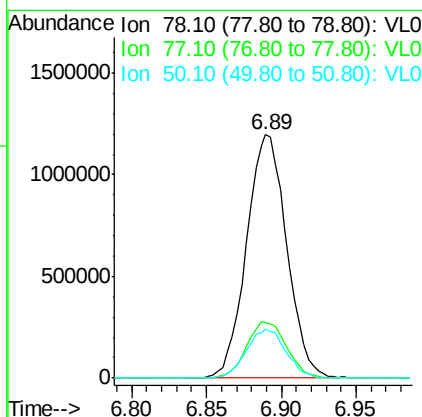
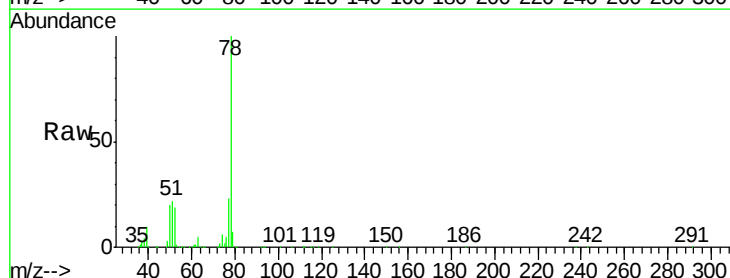
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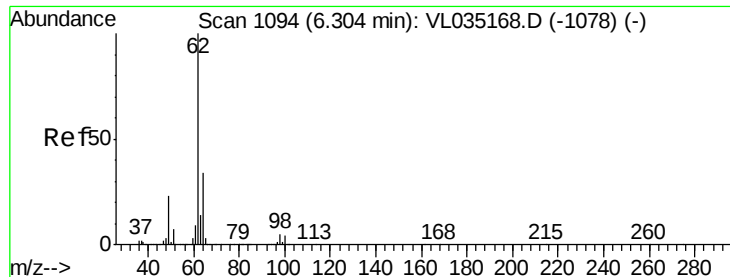
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#36
Benzene
Concen: 9.996 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.3	28.9
50	20.3	16.0	24.0





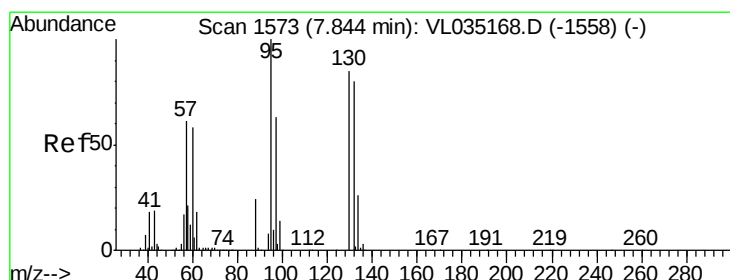
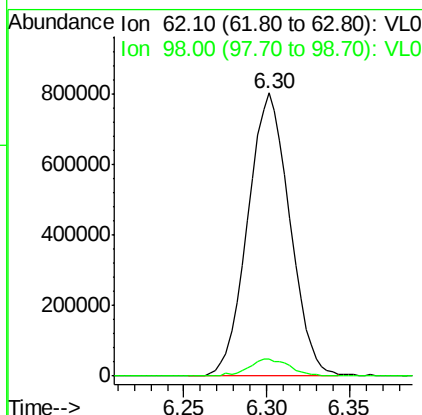
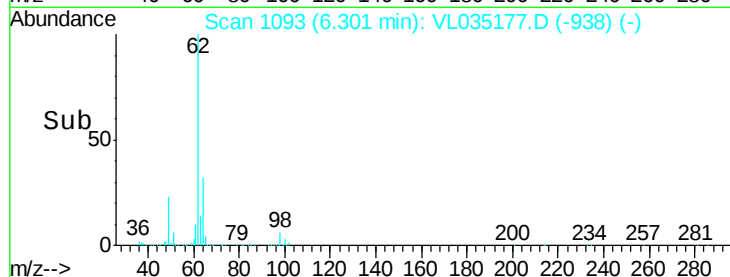
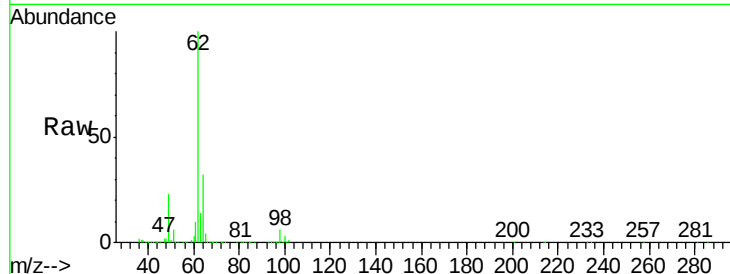
#37
 1,2-Dichloroethane
 Concen: 9.457 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.6	6.8

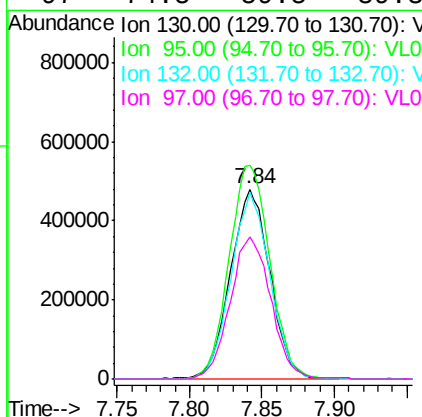
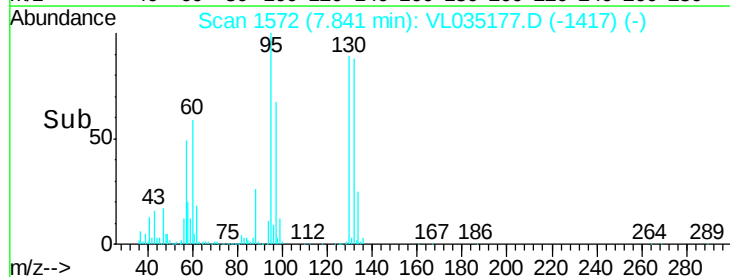
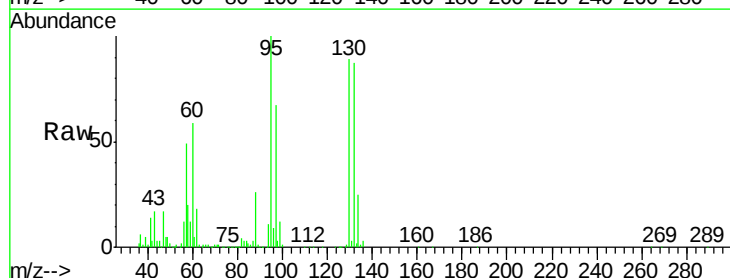
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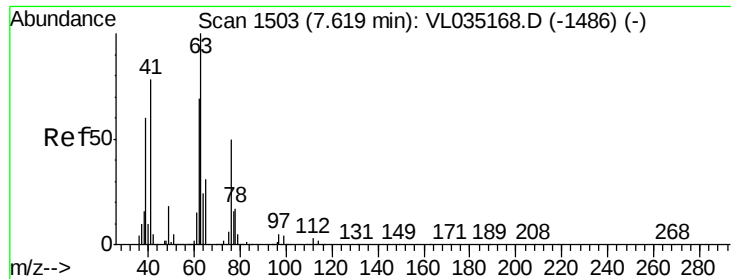
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#38
 Trichloroethene
 Concen: 9.991 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.9	93.8	140.8
132	98.1	75.0	112.4
97	74.5	59.5	89.3





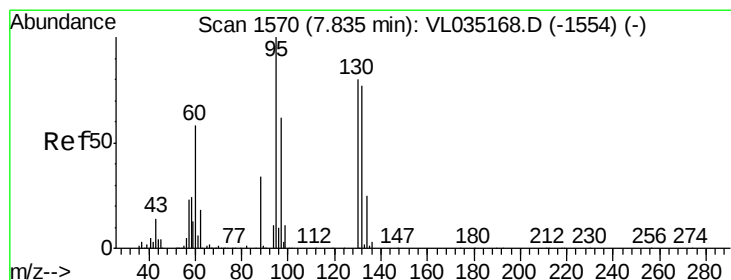
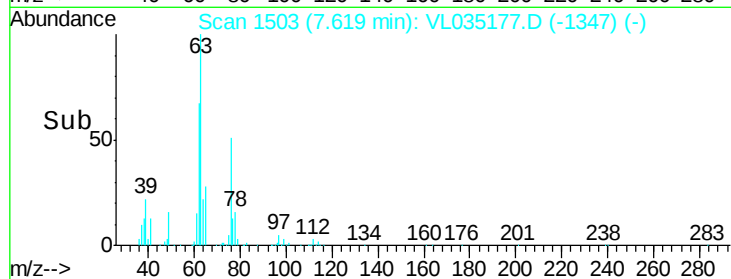
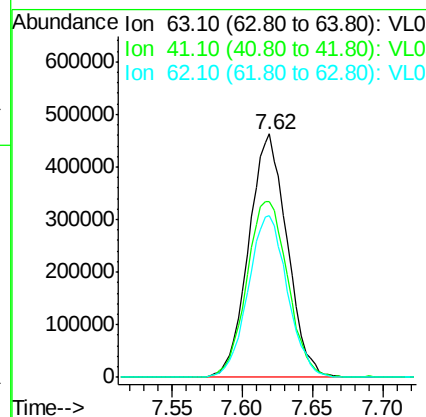
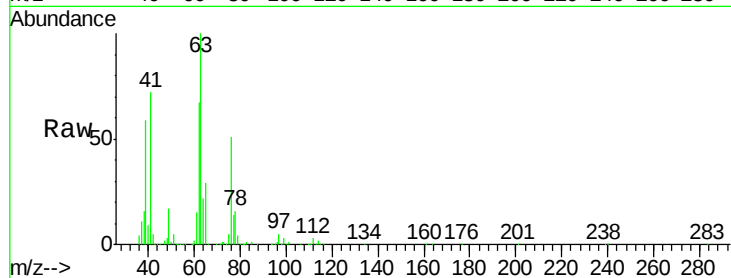
#39
 1,2-Dichloropropane
 Concen: 9.919 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	71.8	62.6	94.0
62	66.5	55.0	82.6

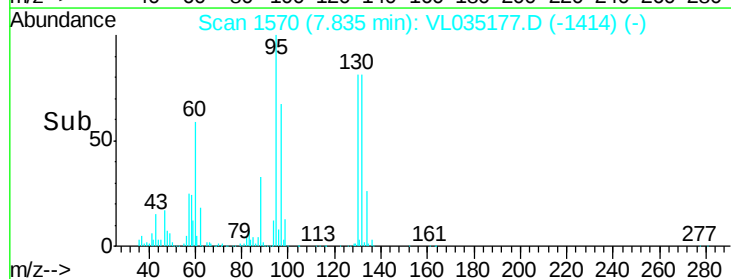
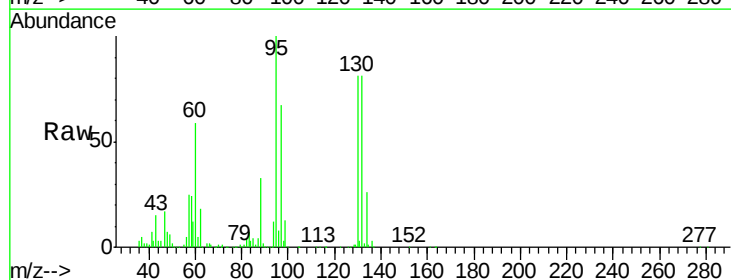
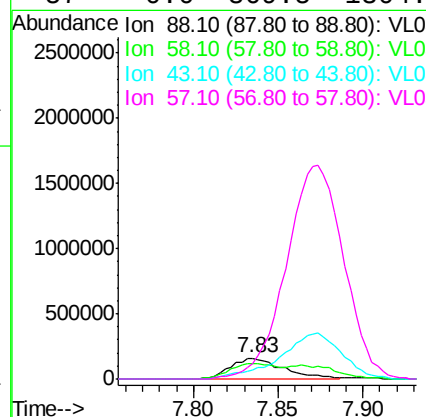
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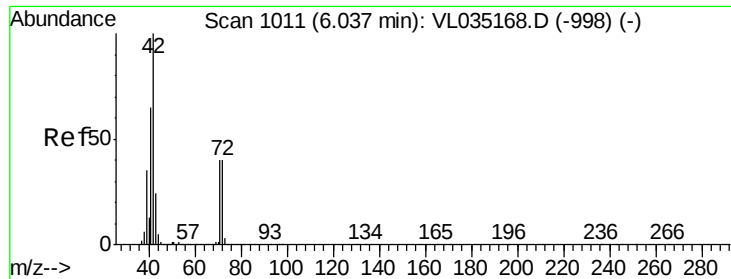
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#40
 1,4-Dioxane
 Concen: 9.895 ppbv m
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Tgt Ion	Ratio	Lower	Upper
88	100		
58	128.1	100.2	150.4
43	0.0	199.8	299.8#
57	0.0	869.5	1304.3#





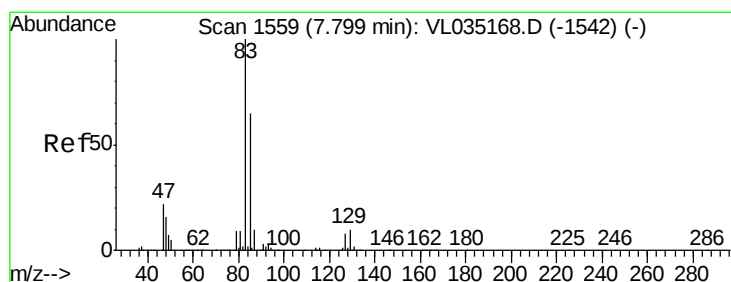
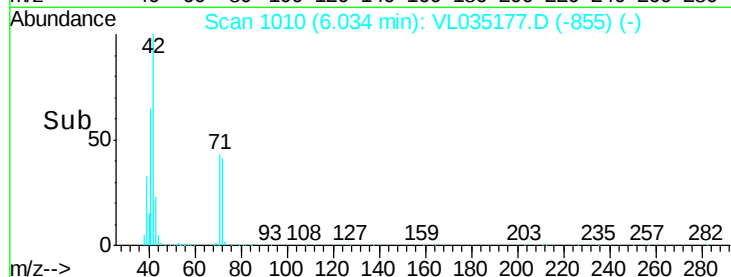
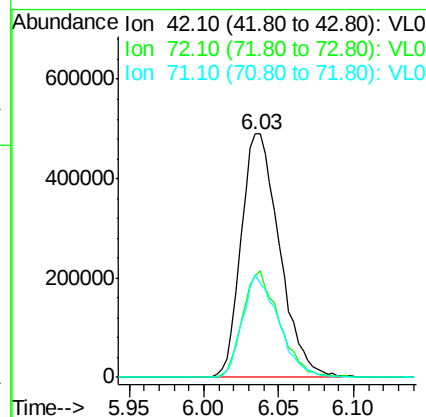
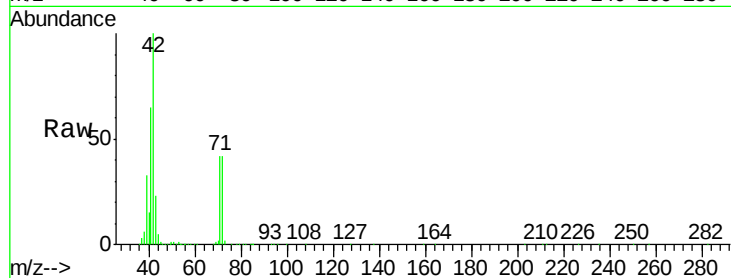
#41
Tetrahydrofuran
Concen: 10.615 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.4	50.2
71	40.0	31.9	47.9

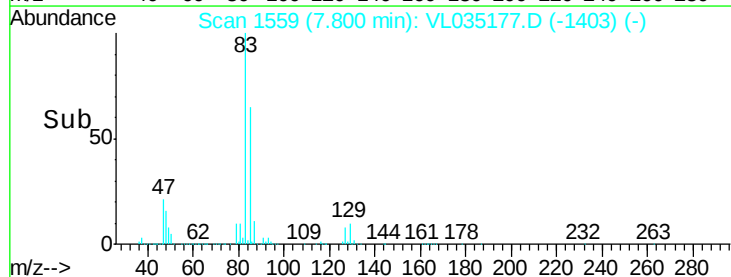
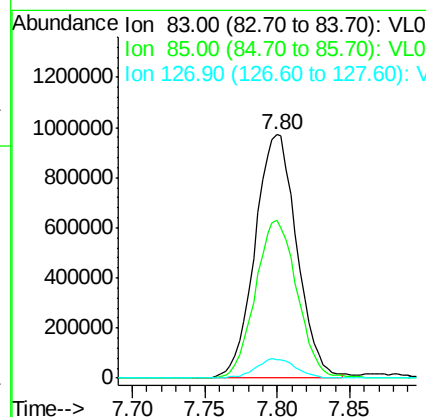
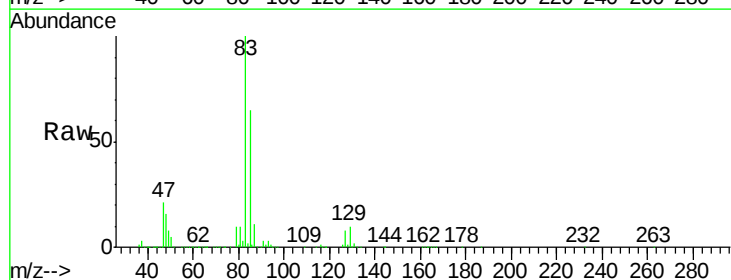
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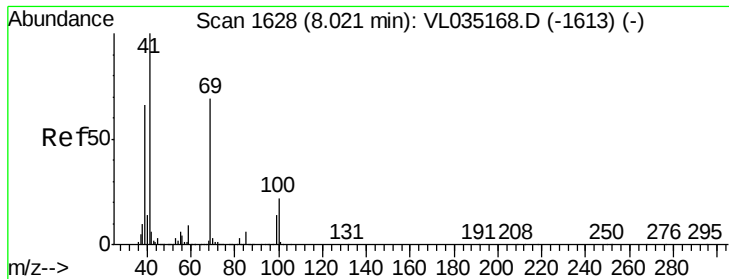
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#42
Bromodichloromethane
Concen: 9.728 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.2	78.4
127	7.6	6.3	9.5





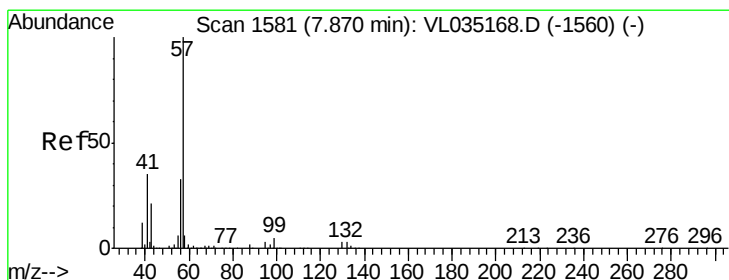
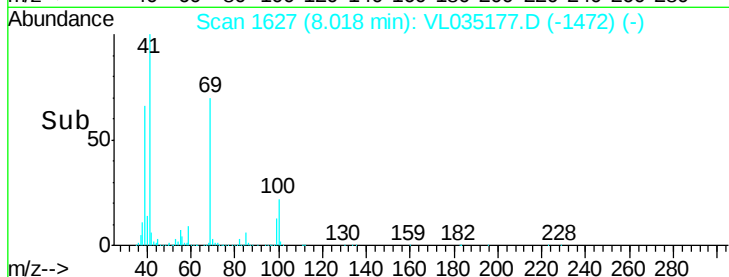
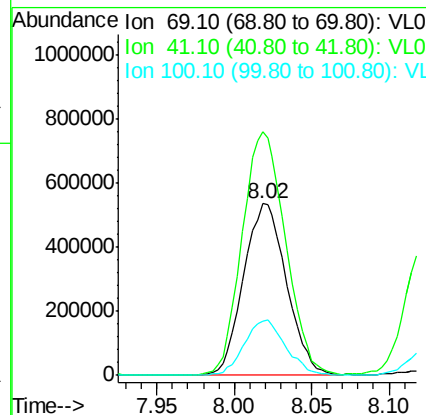
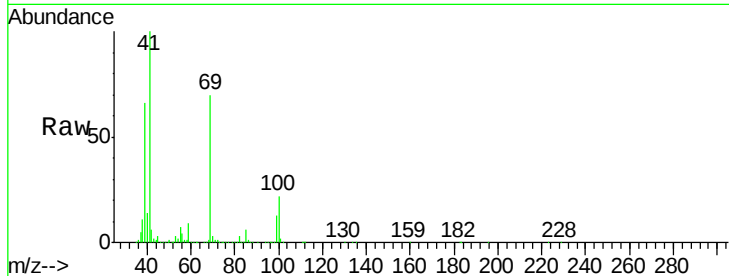
#43
Methvl Methacrilate
Concen: 10.961 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	143.3	116.3	174.5	
100	31.3	25.6	38.4	

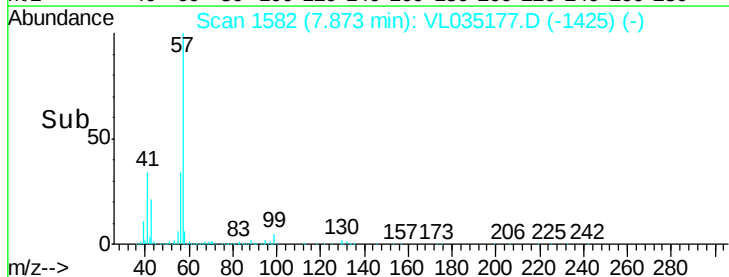
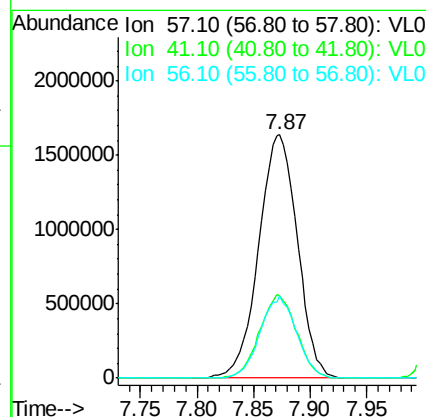
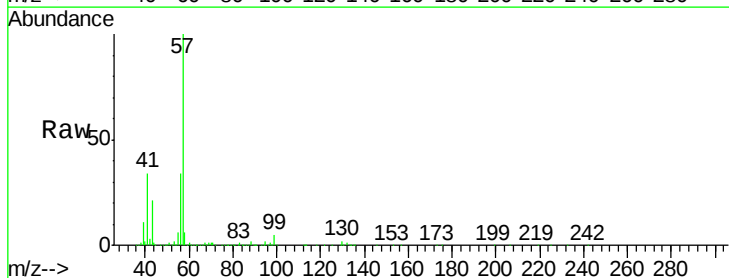
Manual Integrations
APPROVED

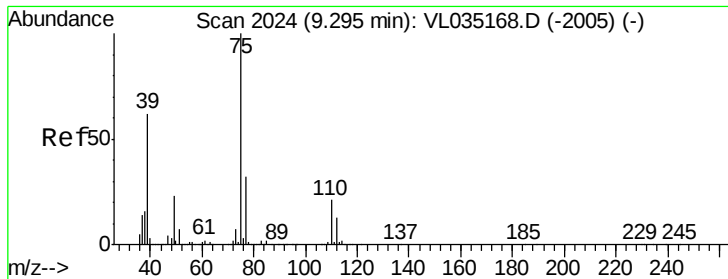
MMDadoda
7/9/2020 12:02:44 PM



#44
2,2,4-Trimethylpentane
Concen: 10.067 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	32.9	27.0	40.6	
56	31.7	25.5	38.3	





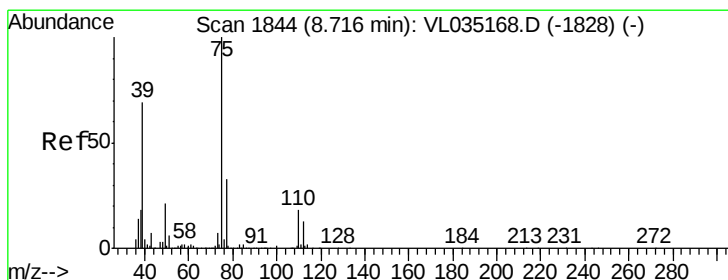
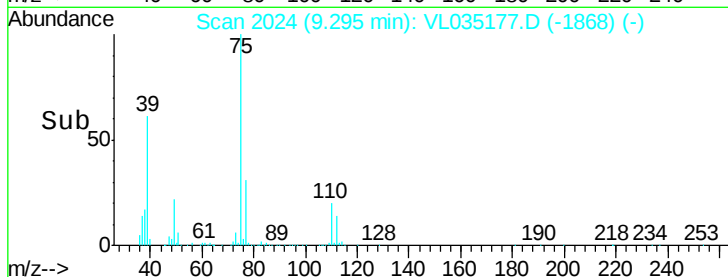
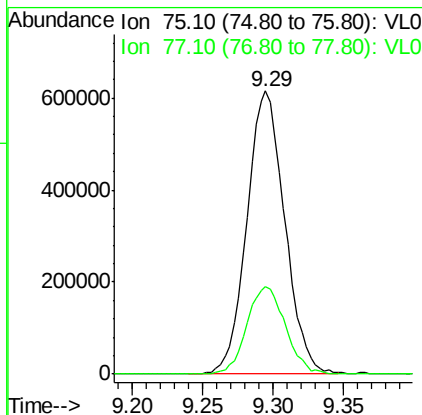
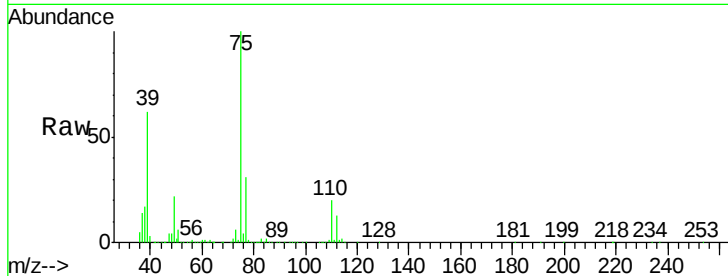
#45
t-1,3-Dichloropropene
Concen: 11.637 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion: 75 Resp: 1154252
Ion Ratio Lower Upper
75 100
77 30.7 25.8 38.8

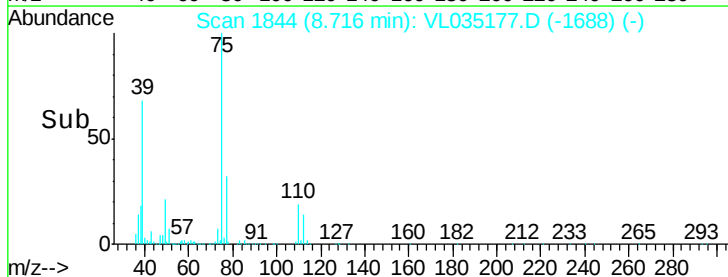
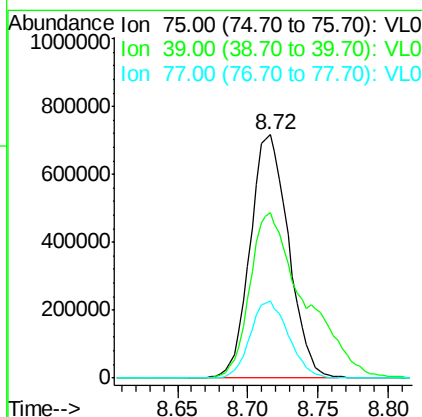
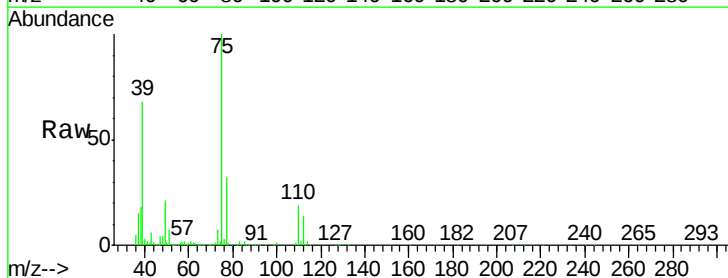
Manual Integrations
APPROVED

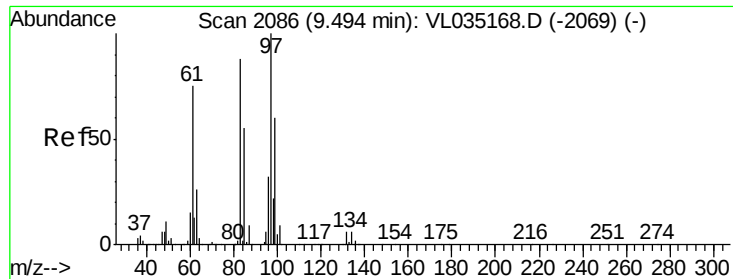
MMDadoda
7/9/2020 12:02:44 PM



#46
cis-1,3-Dichloropropene
Concen: 11.611 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Tgt Ion: 75 Resp: 1365312
Ion Ratio Lower Upper
75 100
39 68.0 55.2 82.8
77 31.6 26.0 39.0





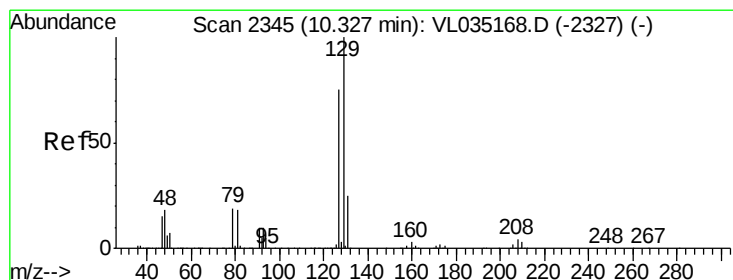
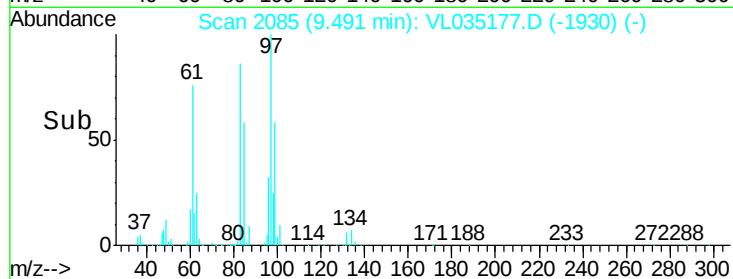
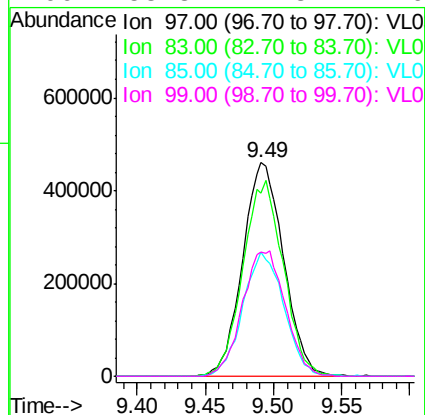
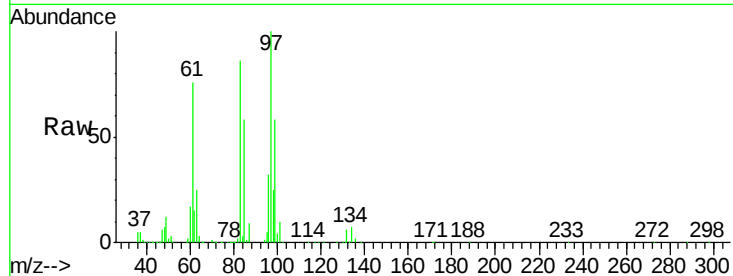
#47
 1,1,2-Trichloroethane
 Concen: 9.832 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.3	105.5
85	58.2	44.3	66.5
99	58.3	47.8	71.6

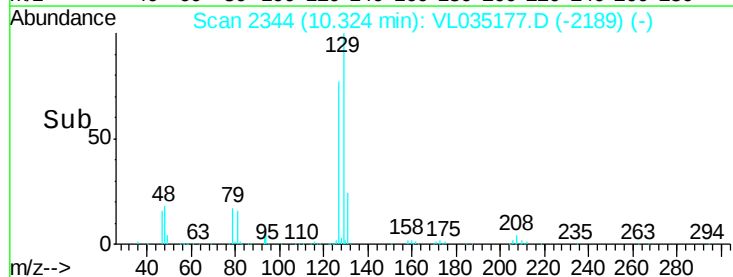
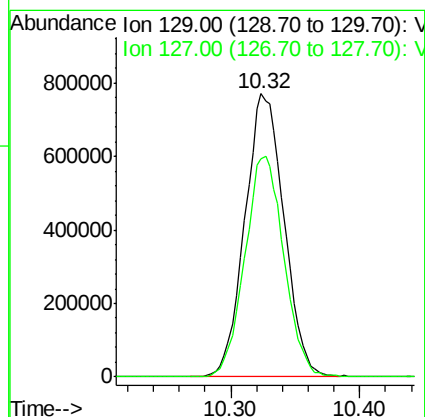
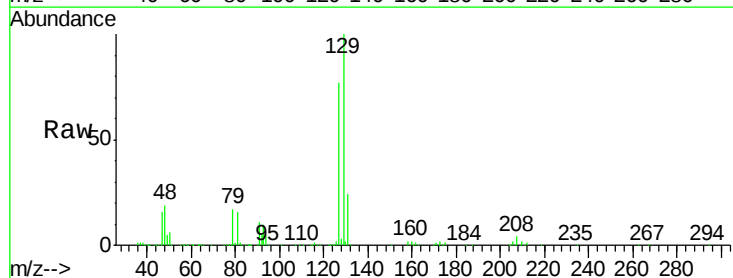
Manual Integrations
 APPROVED

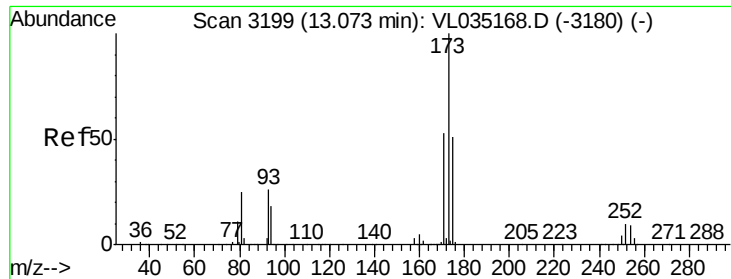
MMDadoda
 7/9/2020 12:02:44 PM



#48
 Dibromochloromethane
 Concen: 10.306 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.8	116.3





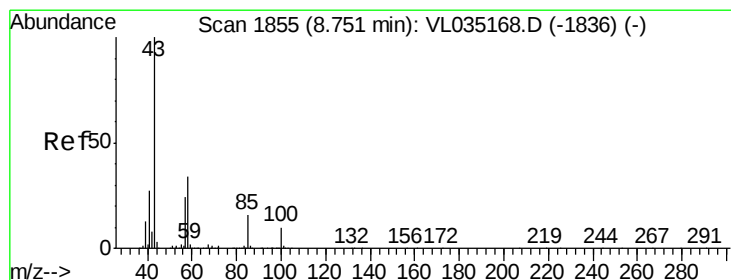
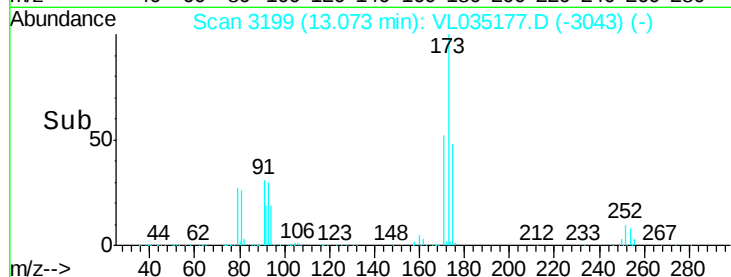
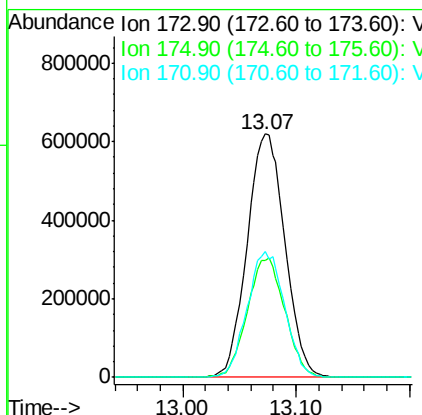
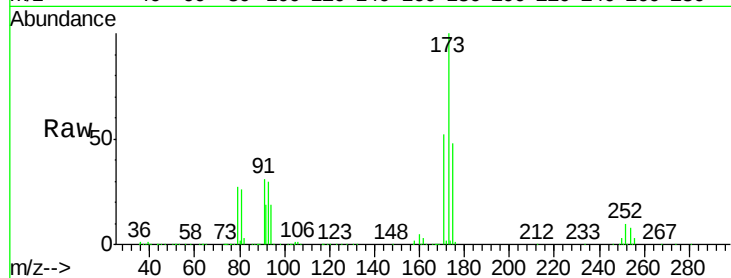
#49
Bromoform
Concen: 10.383 ppbv
RT: 13.07 min Scan# 3199
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.7	59.5
171	51.1	41.6	62.4

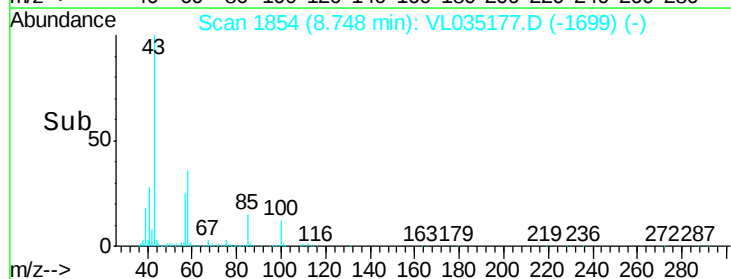
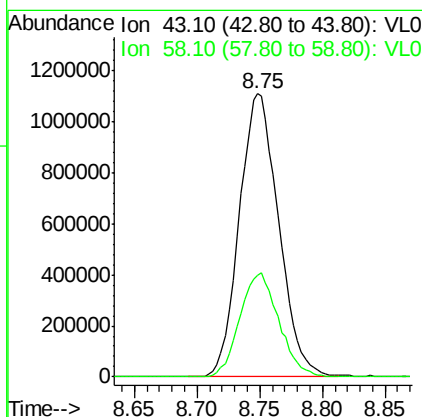
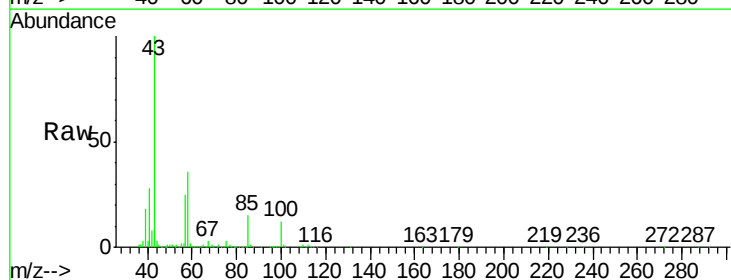
Manual Integrations
APPROVED

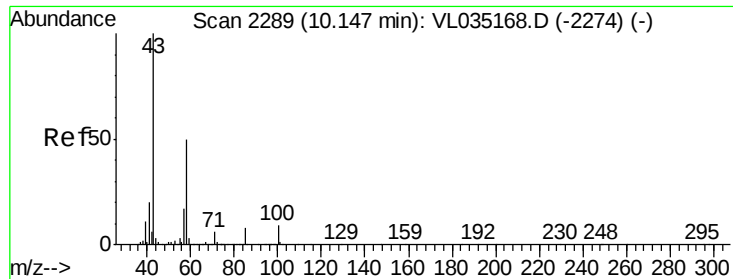
MMDadoda
7/9/2020 12:02:44 PM



#50
4-Methyl-2-Pentanone
Concen: 10.230 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.4	44.2





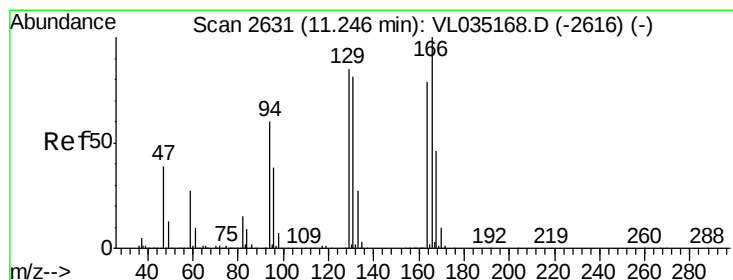
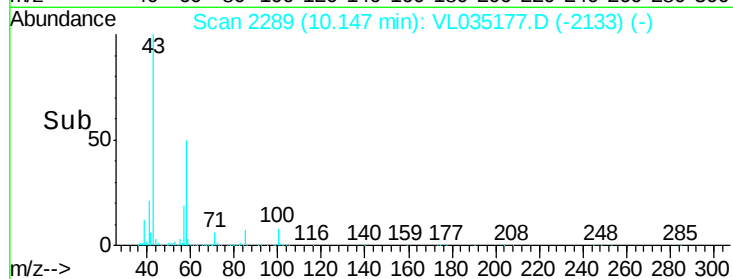
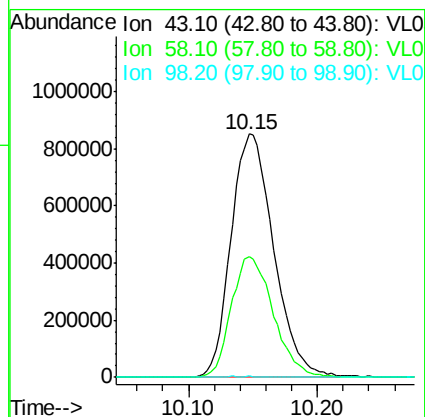
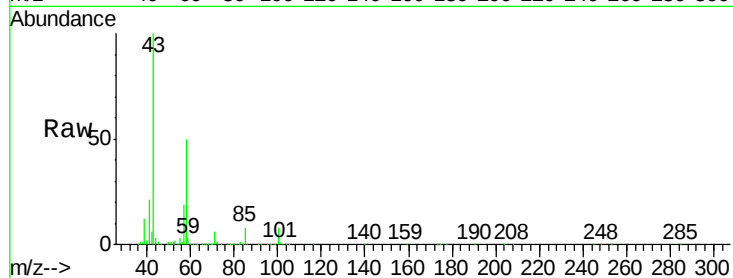
#51
2-Hexanone
Concen: 10.851 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	39.4	59.0
98	0.5	0.3	0.5#

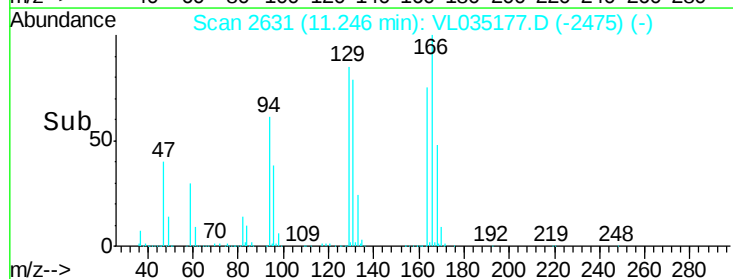
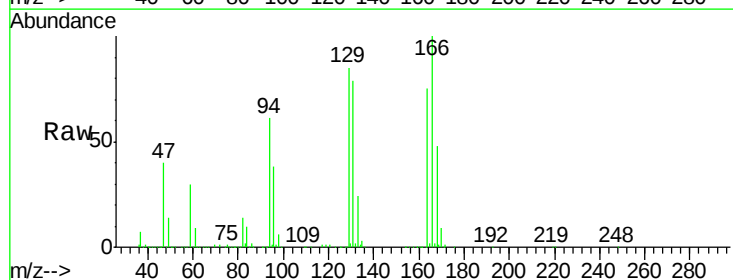
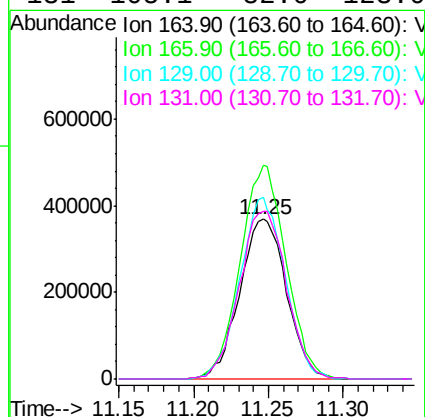
Manual Integrations
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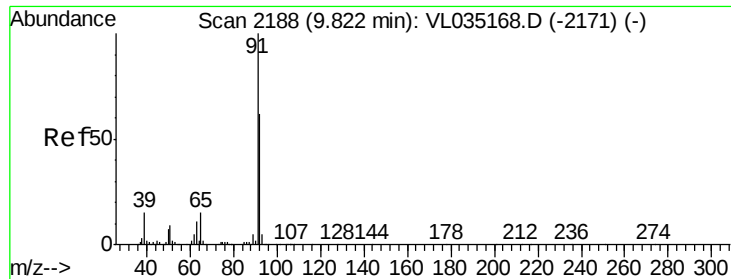
MMDadoda
7/9/2020 12:02:44 PM



#52
Tetrachloroethene
Concen: 9.589 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.7	100.7	151.1
129	113.9	85.8	128.6
131	105.1	82.0	123.0





#53

Toluene

Concen: 11.074 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 91 Resp: 2610175

Ion Ratio Lower Upper

91 100

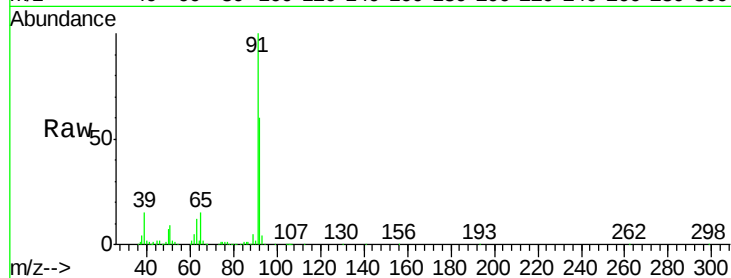
92 60.6 48.4 72.6

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

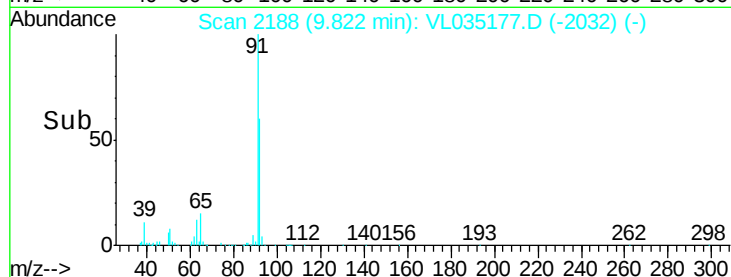
1500000

1000000

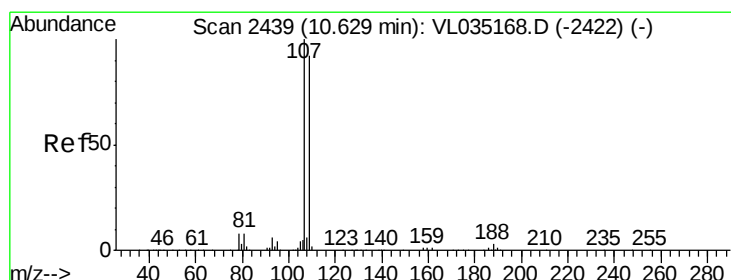
500000

0

9.75 9.80 9.85 9.90



Time-->



#54

1,2-Dibromoethane

Concen: 9.999 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.01 min

Lab File: VL035177.D

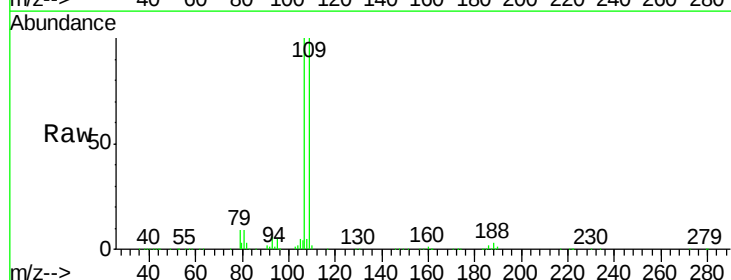
Acq: 8 Jul 2020 9:55

Tgt Ion: 107 Resp: 1442633

Ion Ratio Lower Upper

107 100

109 100.0 74.0 111.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

800000

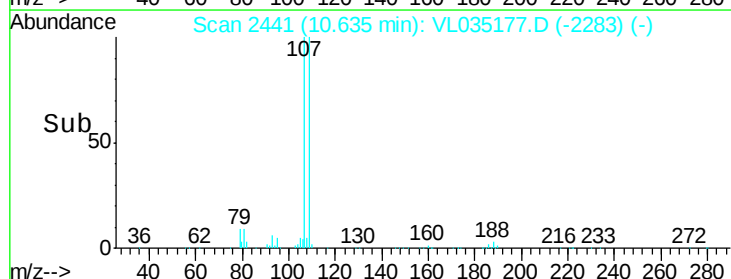
600000

400000

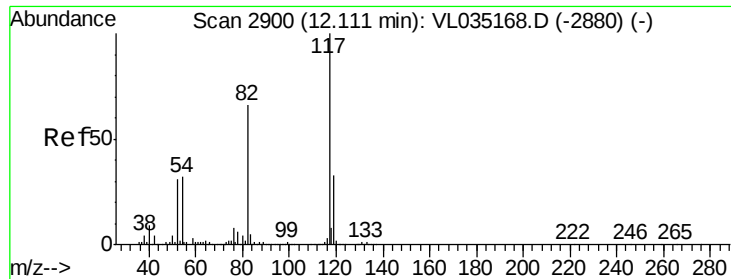
200000

0

10.60 10.70



Time-->



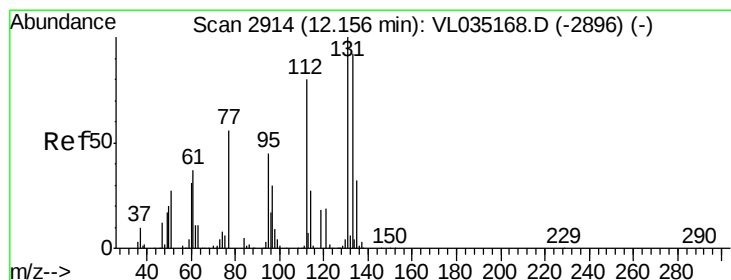
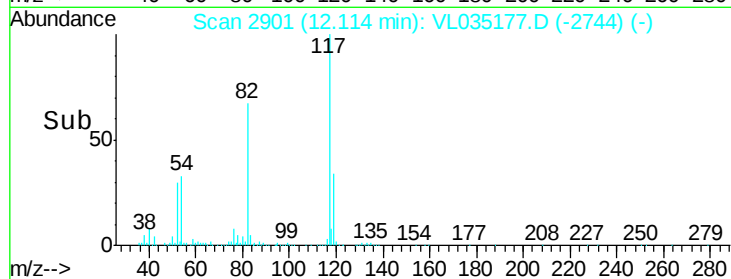
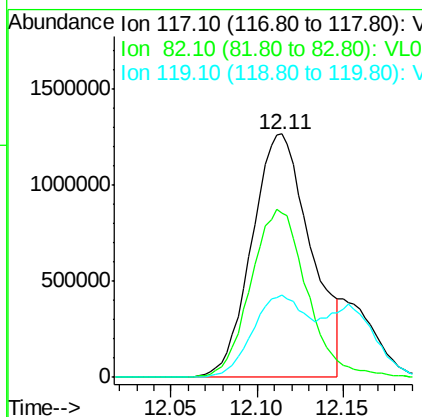
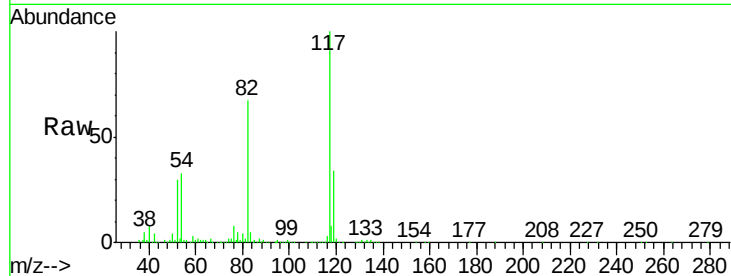
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.0	52.3	78.5
119	33.3	24.9	37.3

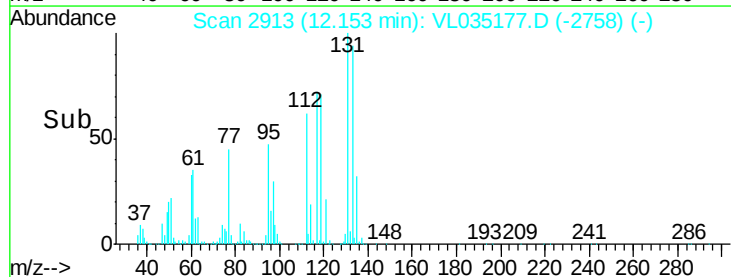
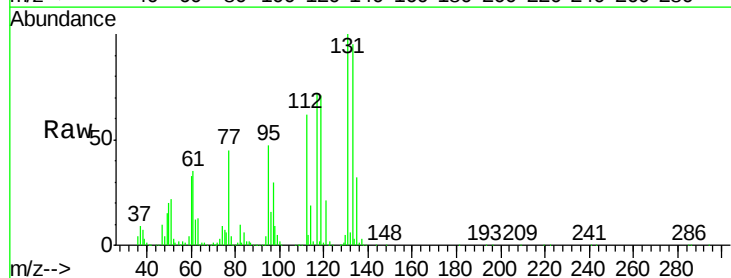
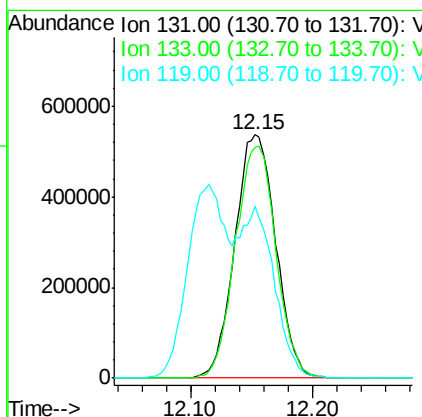
Manual Integrations
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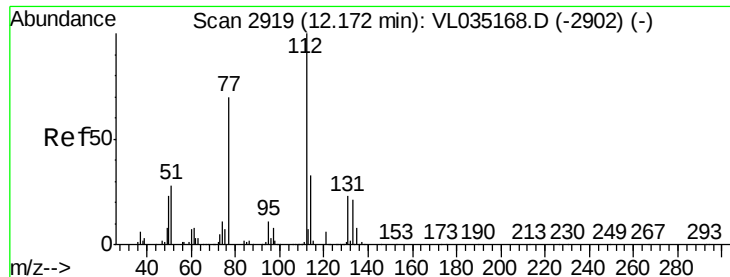
MMDadoda
7/9/2020 12:02:44 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.264 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	75.4	113.2
119	138.0	42.4	63.6#





#57

Chlorobenzene

Concen: 9.108 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 112 Resp: 2033491

Ion Ratio Lower Upper

112 100

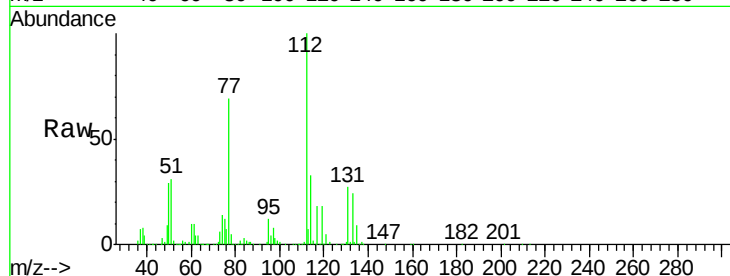
77 69.3 57.0 85.4

114 32.7 30.2 37.0

Manual Integrations
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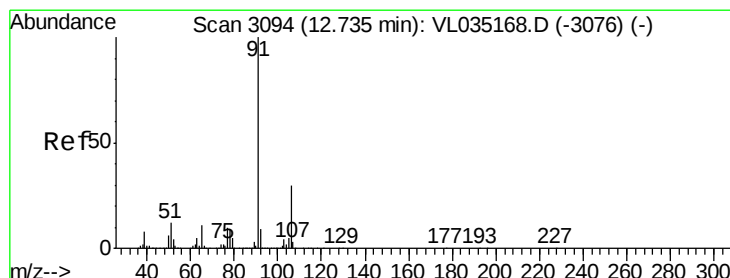
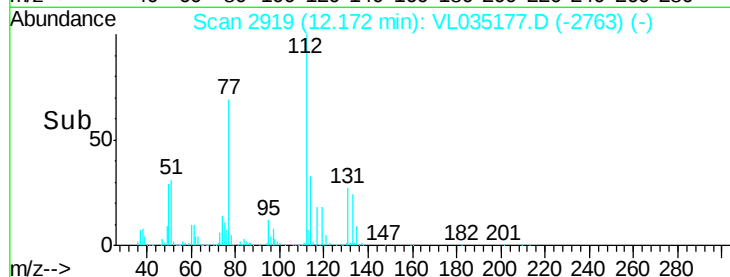
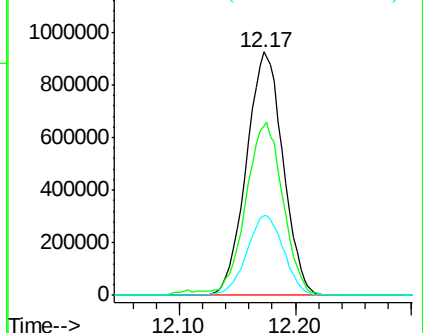
7/9/2020 12:02:44 PM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.572 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. 0.00 min

Lab File: VL035177.D

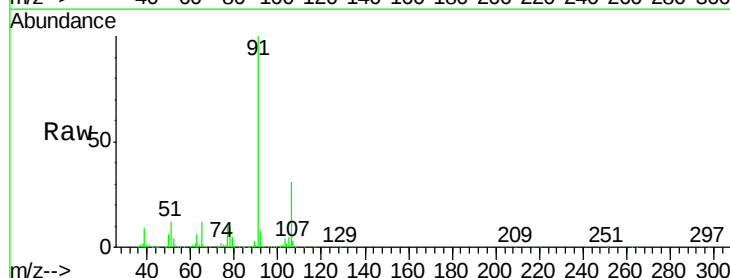
Acq: 8 Jul 2020 9:55

Tgt Ion: 91 Resp: 3539927

Ion Ratio Lower Upper

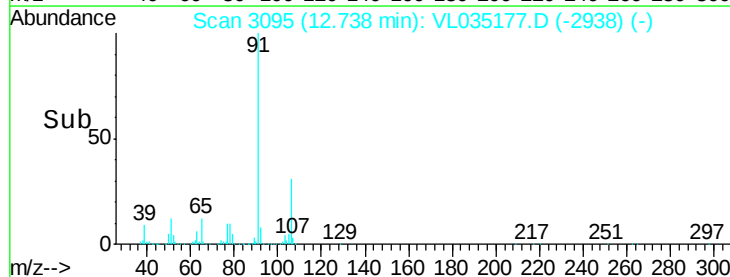
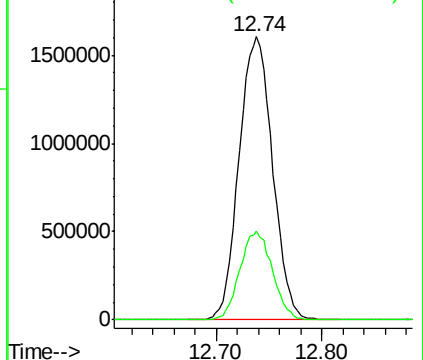
91 100

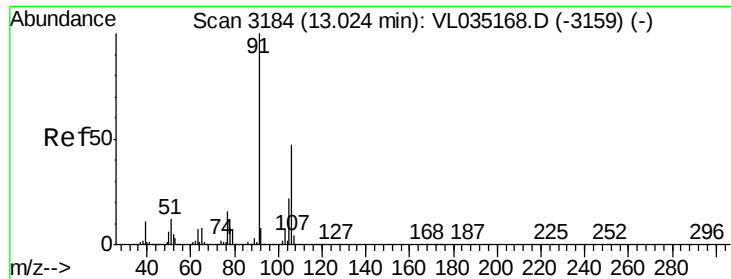
106 31.3 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





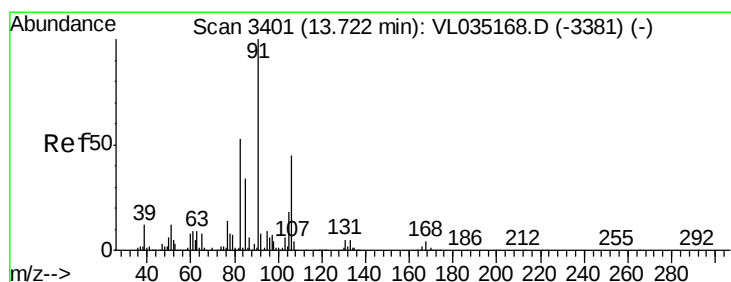
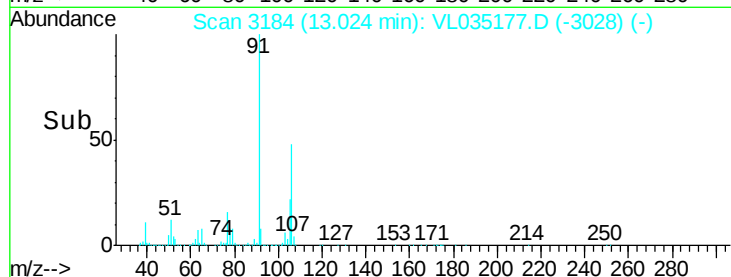
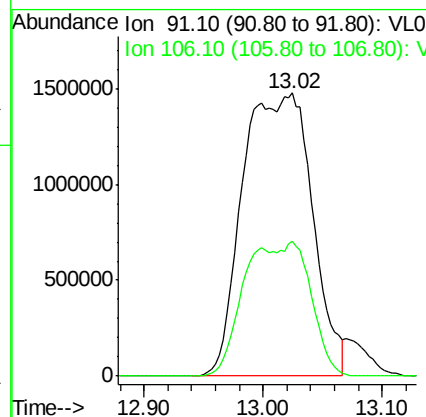
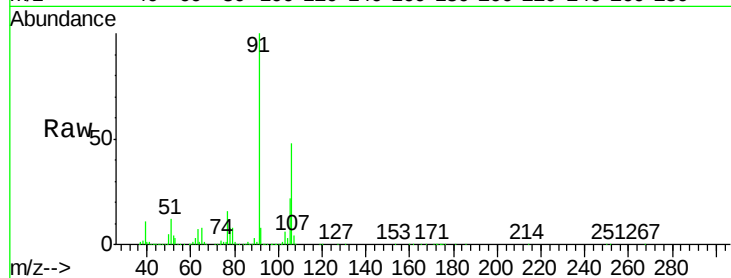
#59
m/p-Xylene
Concen: 19.962 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion: 91 Resp: 5957095
Ion Ratio Lower Upper
91 100
106 45.6 36.2 54.2

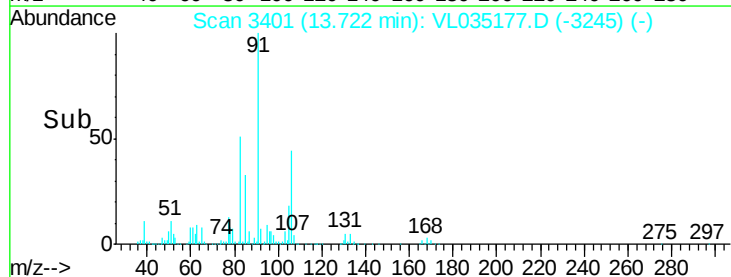
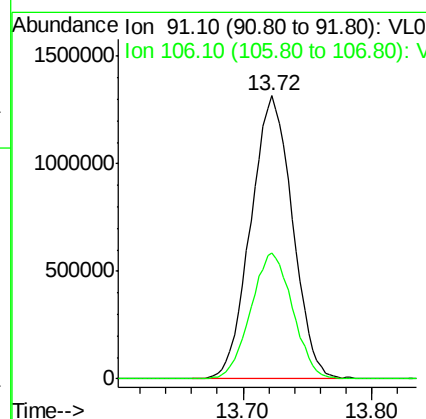
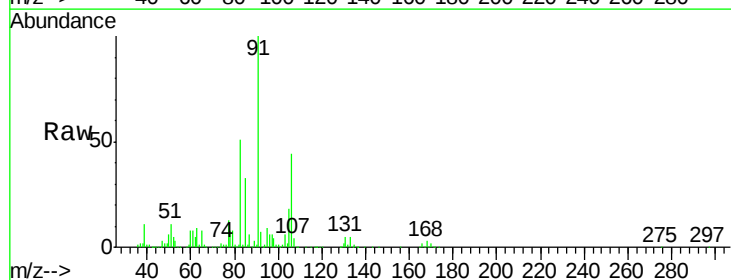
Manual Integrations
APPROVED

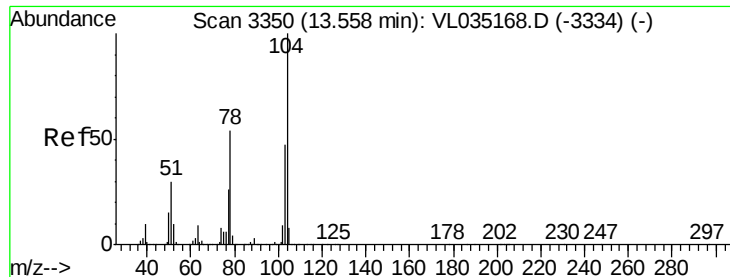
MMDadoda
7/9/2020 12:02:44 PM



#60
o-Xylene
Concen: 9.953 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Tgt Ion: 91 Resp: 2963411
Ion Ratio Lower Upper
91 100
106 44.7 22.1 66.3





#61

Stvrene

Concen: 11.428 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion:104 Resp: 2102535

Ion Ratio Lower Upper

104 100

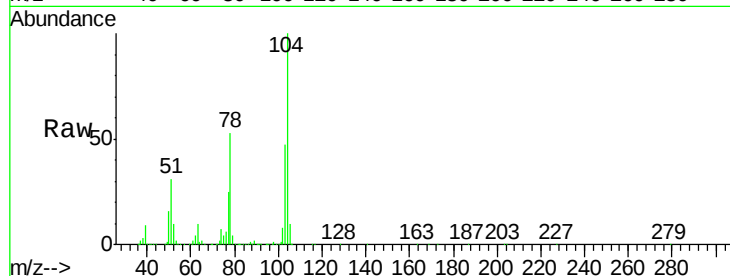
78 54.6 43.4 65.0

103 47.8 37.4 56.0

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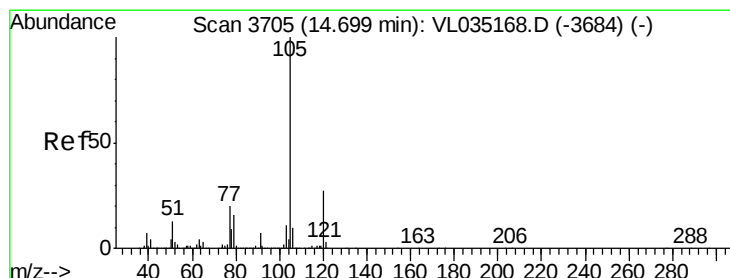
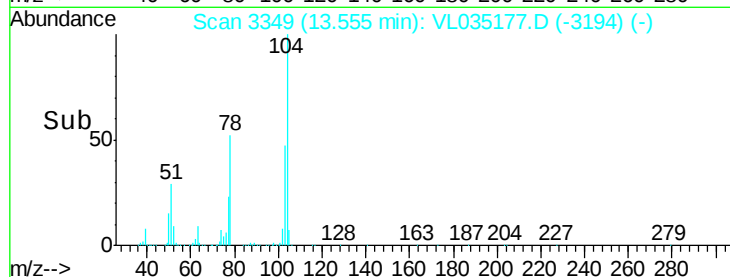
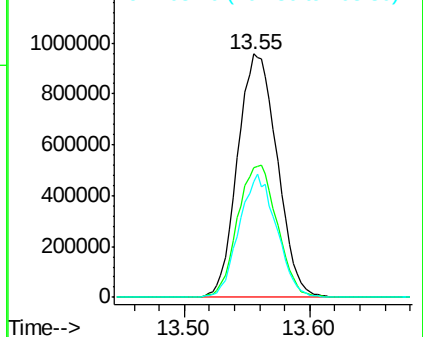
7/9/2020 12:02:44 PM



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: 9.843 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. 0.00 min

Lab File: VL035177.D

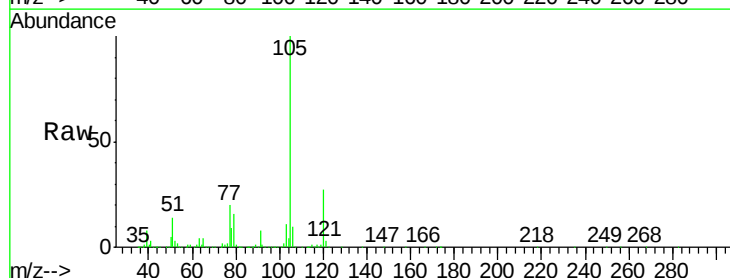
Acq: 8 Jul 2020 9:55

Tgt Ion:105 Resp: 4343682

Ion Ratio Lower Upper

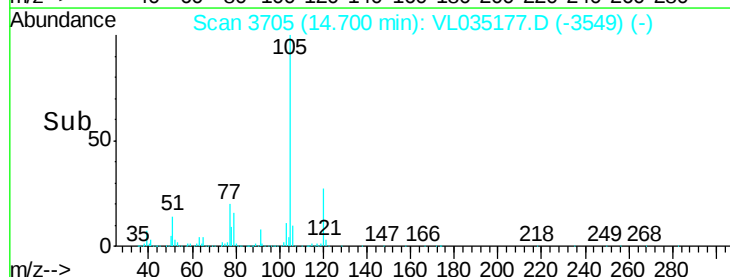
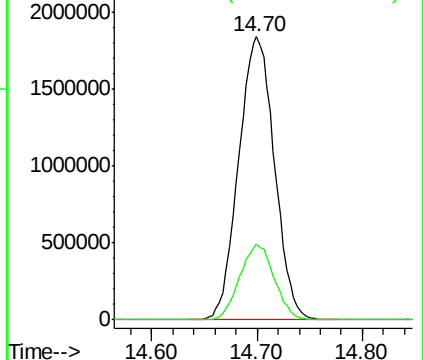
105 100

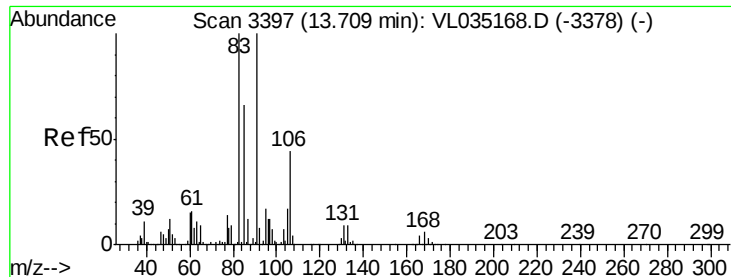
120 25.8 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





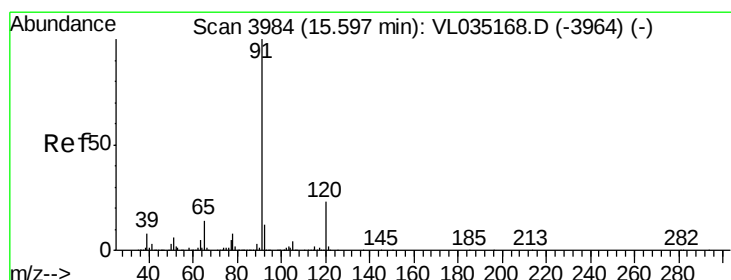
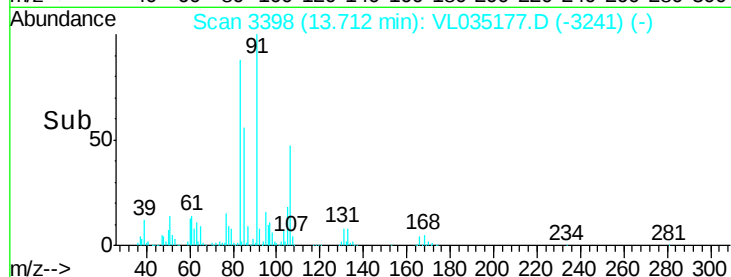
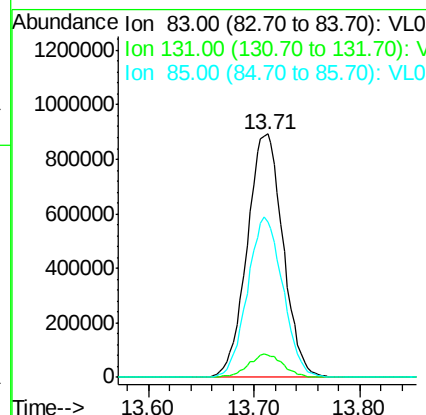
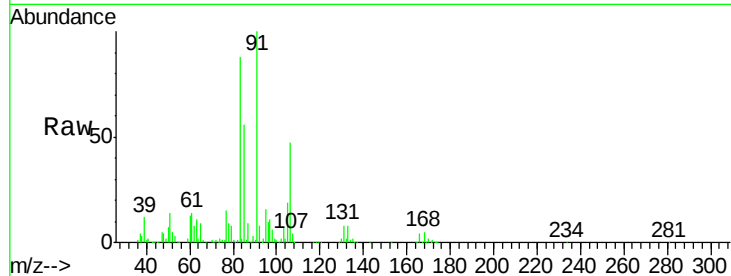
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.496 ppbv
 RT: 13.71 min Scan# 3398
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	65.1	33.0	99.0

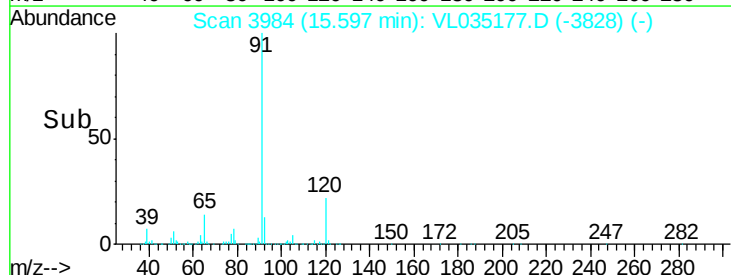
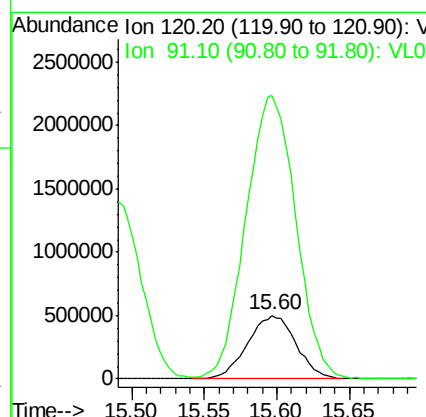
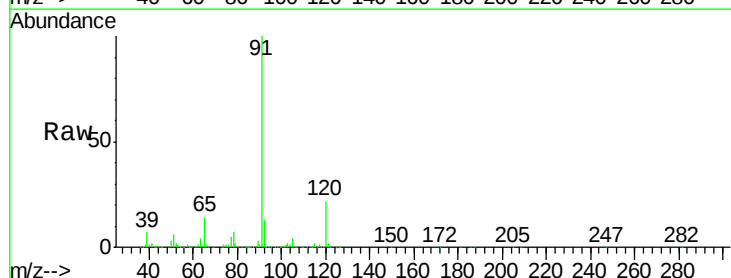
Manual Integrations
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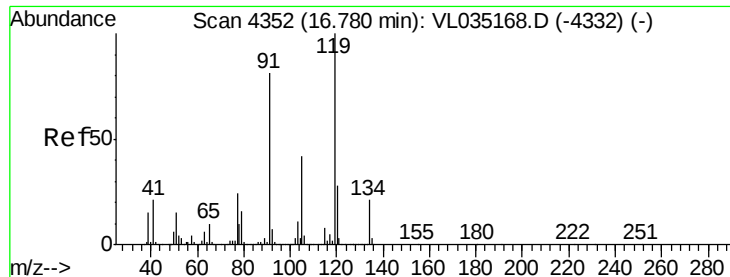
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#64
 n-propylbenzene
 Concen: 10.162 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Tgt Ion	Ratio	Lower	Upper
120	100		
91	462.6	372.4	558.6





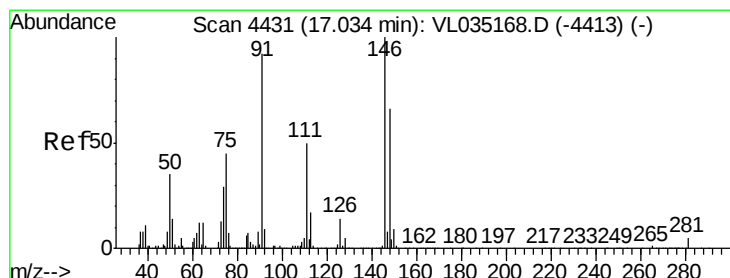
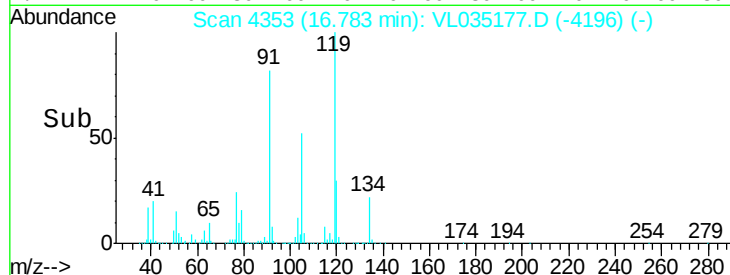
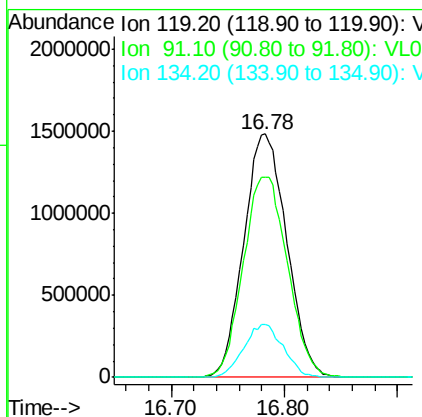
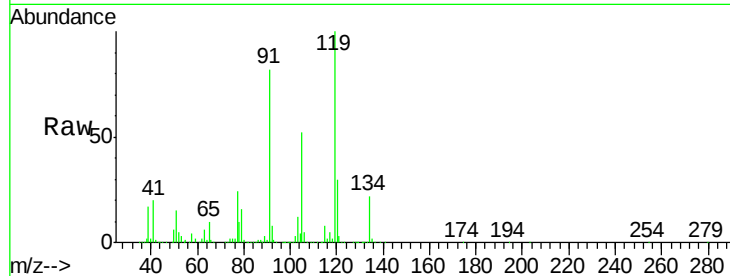
#65
tert-Butylbenzene
Concen: 9.863 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	85.2	67.5	101.3
134	20.1	16.0	24.0

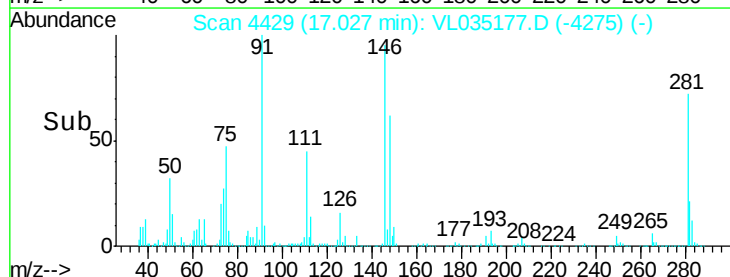
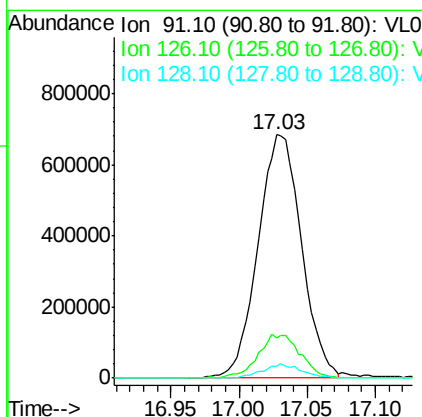
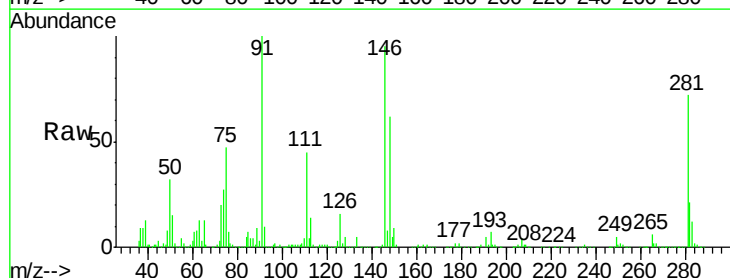
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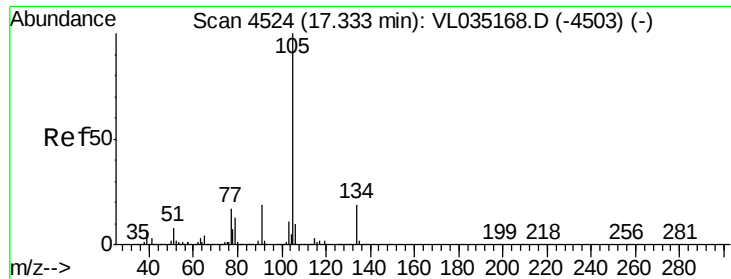
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#66
Benzyl Chloride
Concen: 10.703 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. -0.01 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.5	13.9	20.9
128	5.2	4.2	6.4





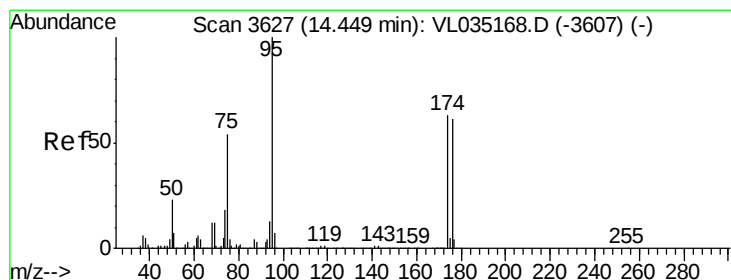
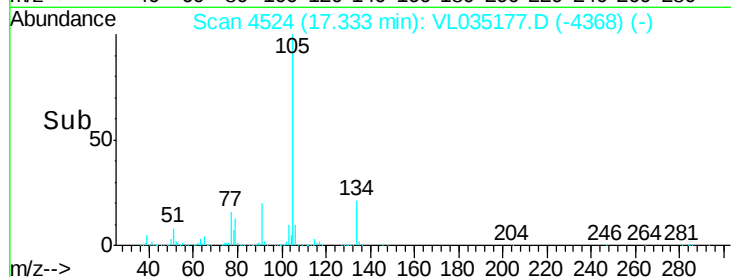
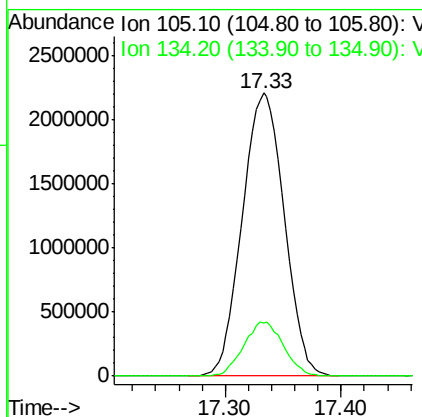
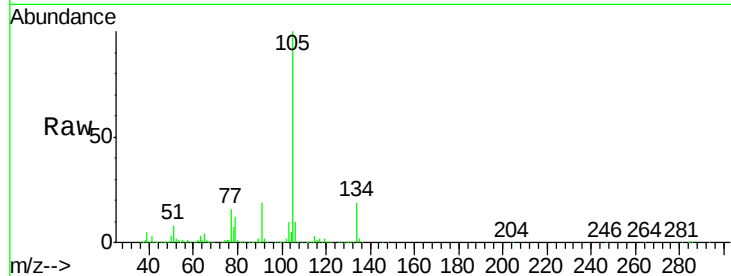
#67
 sec-Butylbenzene
 Concen: 9.622 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion: 105 Resp: 5559728
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.6 21.8

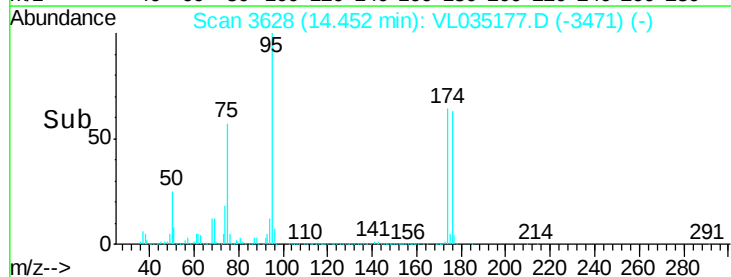
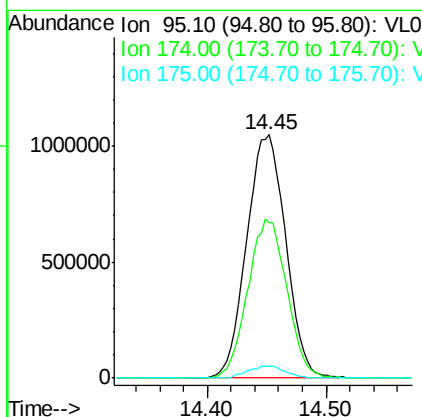
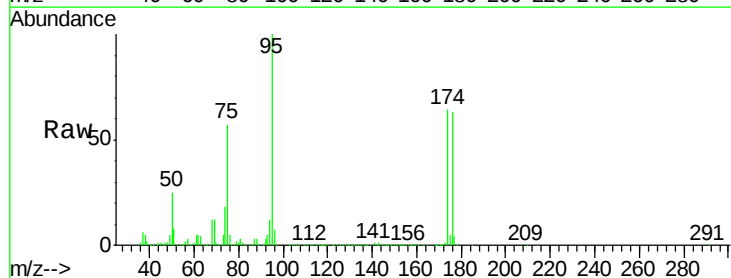
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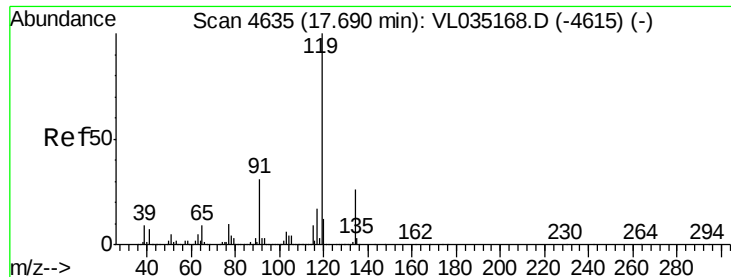
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 7/9/2020 12:02:44 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.710 ppbv
 RT: 14.45 min Scan# 3628
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Tgt Ion: 95 Resp: 2389545
 Ion Ratio Lower Upper
 95 100
 174 65.1 52.2 78.2
 175 4.8 4.0 6.0





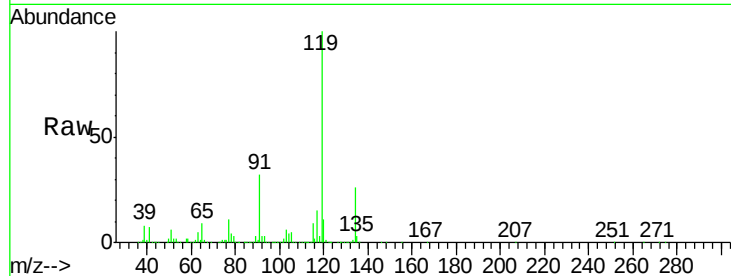
#69
 p-Isopropyltoluene
 Concen: 10.129 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

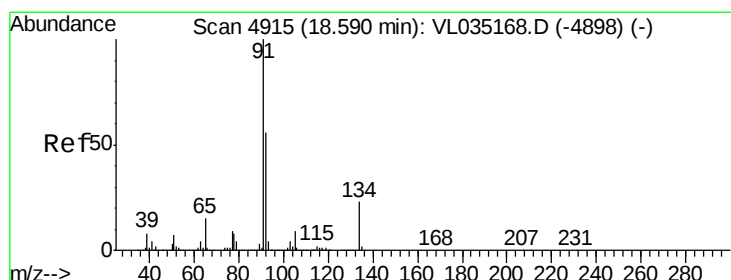
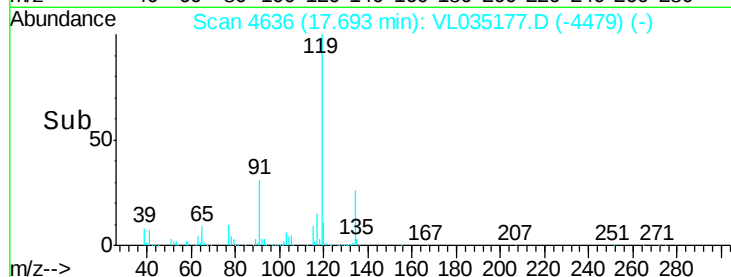
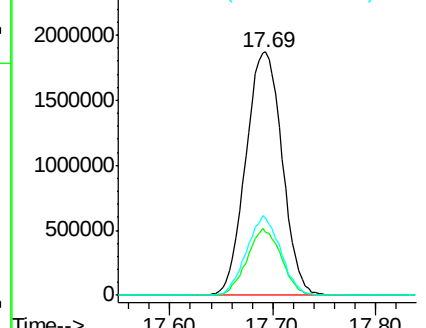
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.8	31.2
91	30.8	24.9	37.3

Manual Integrations
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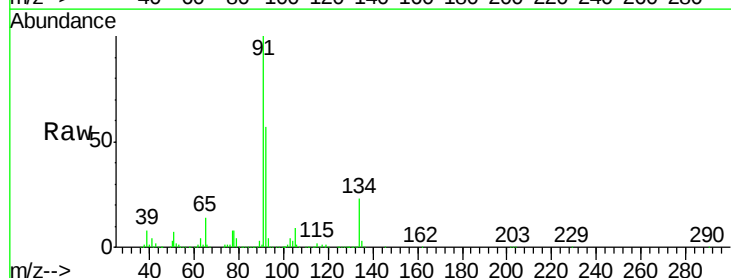


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

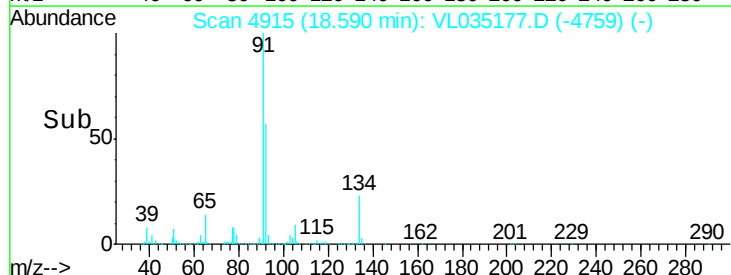
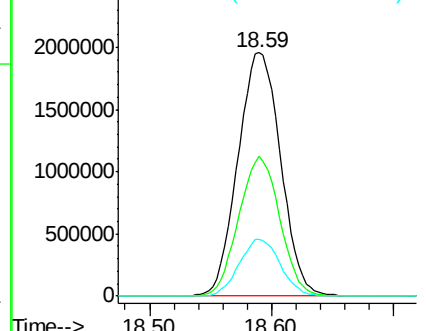


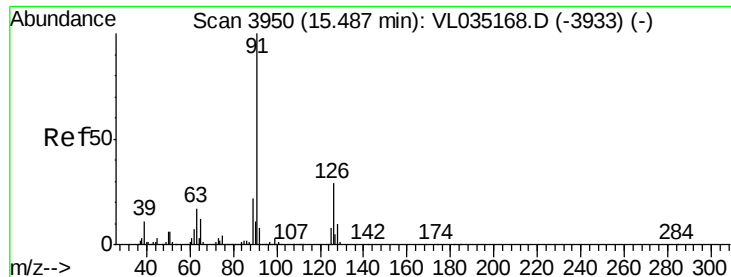
#70
 n-Butylbenzene
 Concen: 9.857 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	44.0	66.0
134	22.5	18.0	27.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.097 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 91 Resp: 3371757

Ion Ratio Lower Upper

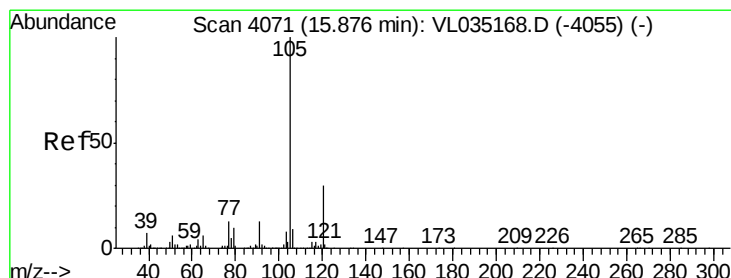
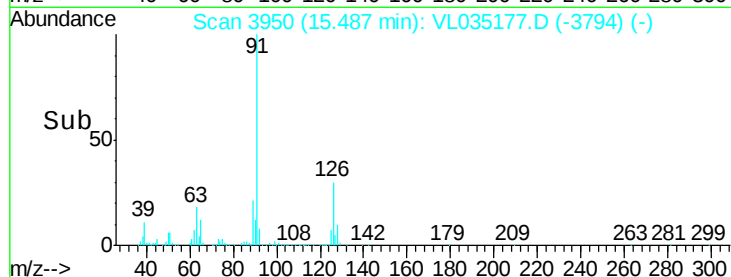
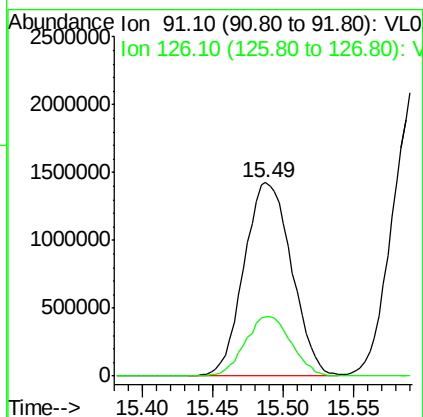
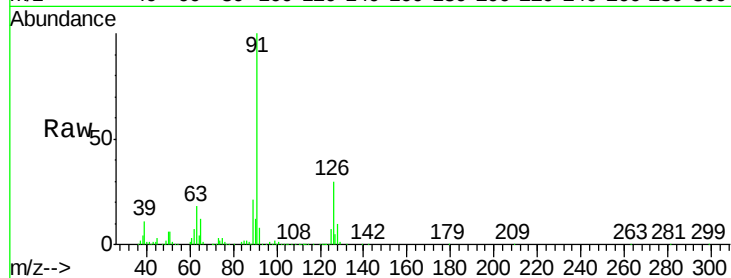
91 100

126 29.9 12.0 48.0

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#72

4-Ethyltoluene

Concen: 10.326 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Tgt Ion:105 Resp: 3464142

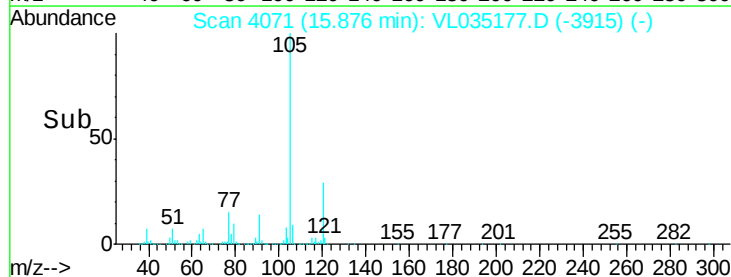
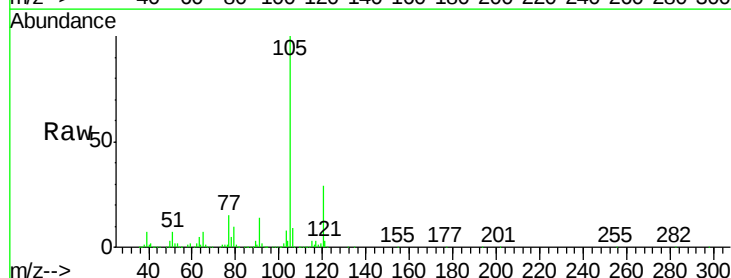
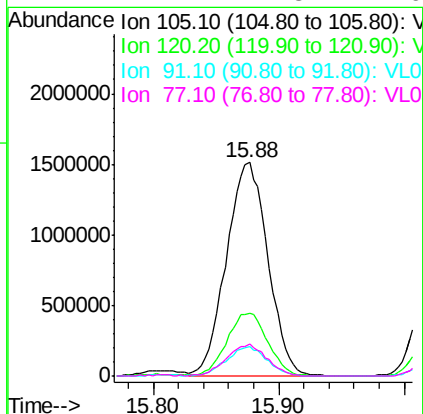
Ion Ratio Lower Upper

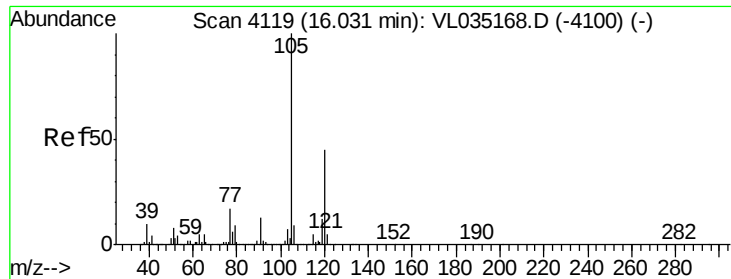
105 100

120 29.0 23.2 34.8

91 13.8 10.9 16.3

77 14.7 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 10.124 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion:105 Resp: 3275301

Ion Ratio Lower Upper

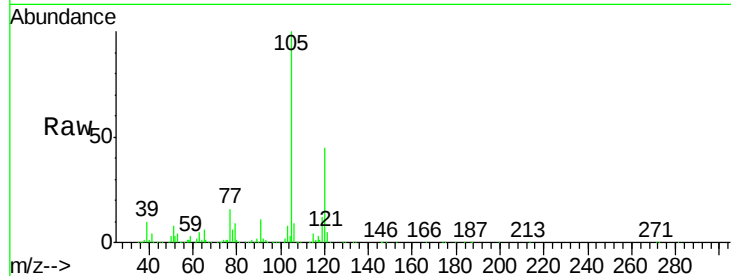
105 100

120 45.3 36.2 54.2

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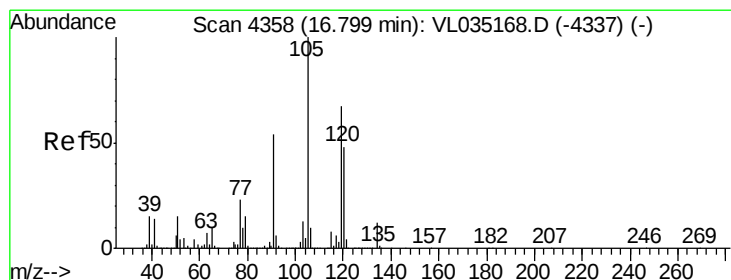
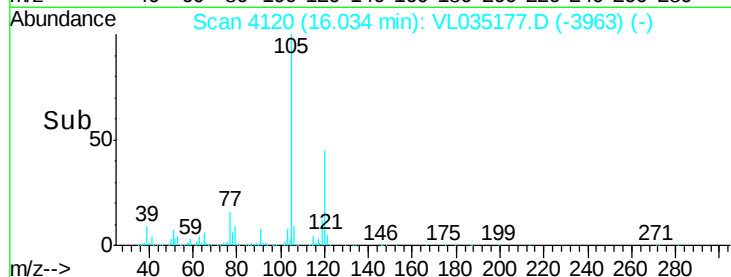
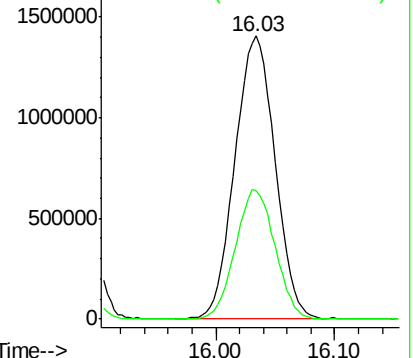
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.677 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Tgt Ion:105 Resp: 3459594

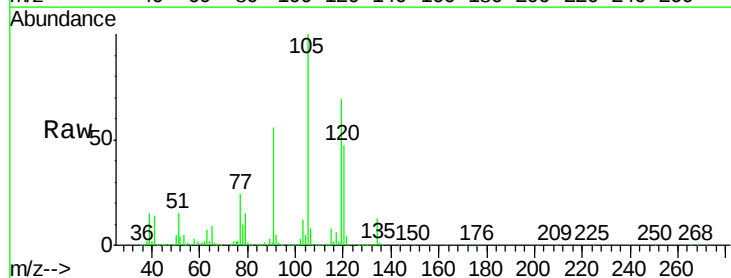
Ion Ratio Lower Upper

105 100

120 46.9 38.6 57.8

91 56.2 43.6 65.4

77 23.6 18.3 27.5

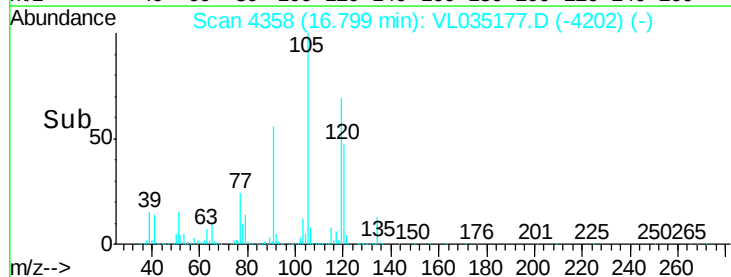
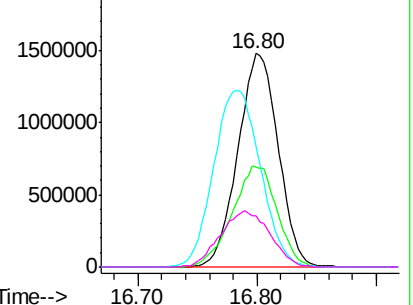


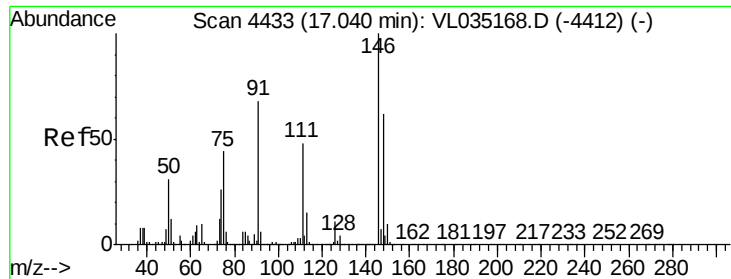
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





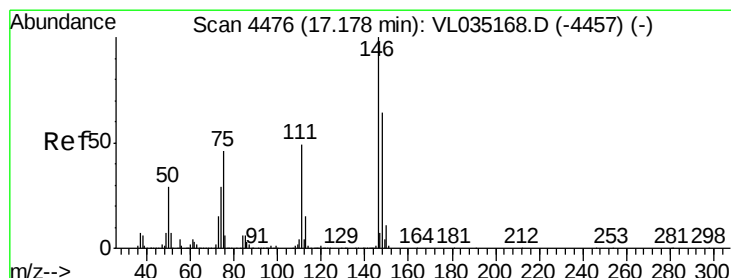
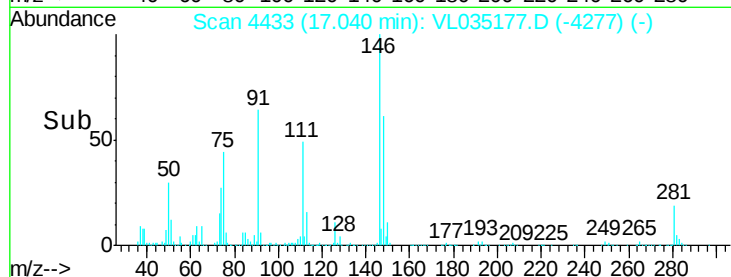
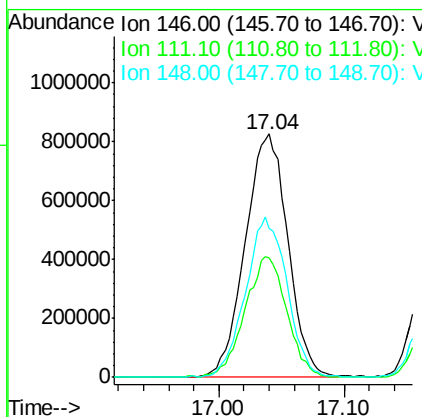
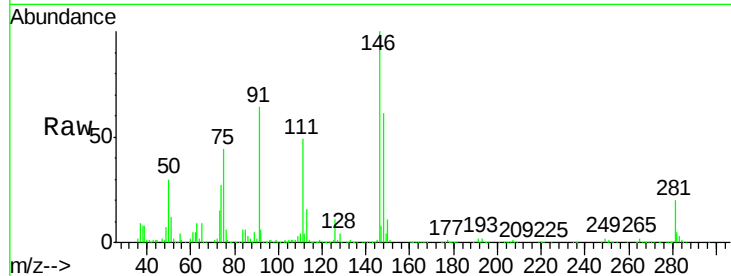
#75
 1,3-Dichlorobenzene
 Concen: 8.624 ppbv
 RT: 17.04 min Scan# 4433
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.7	74.1
148	64.3	32.4	97.0

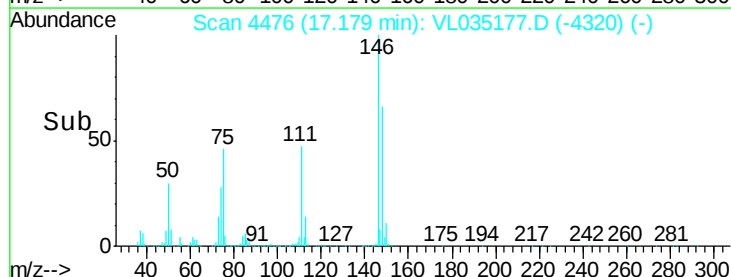
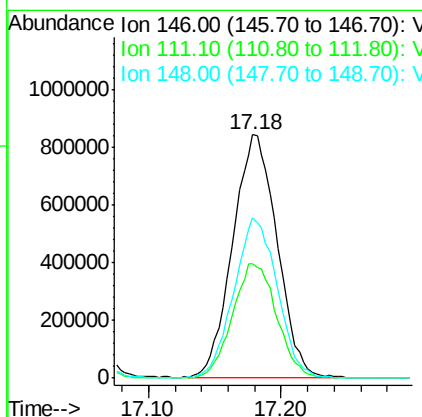
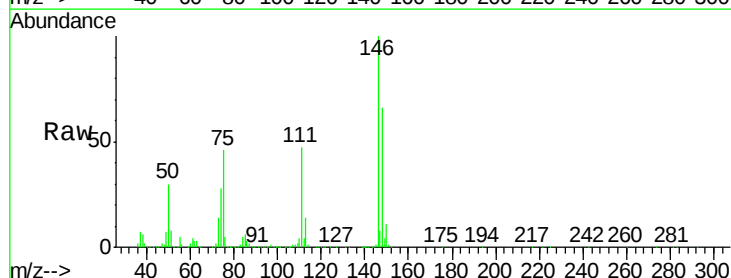
Manual Integrations
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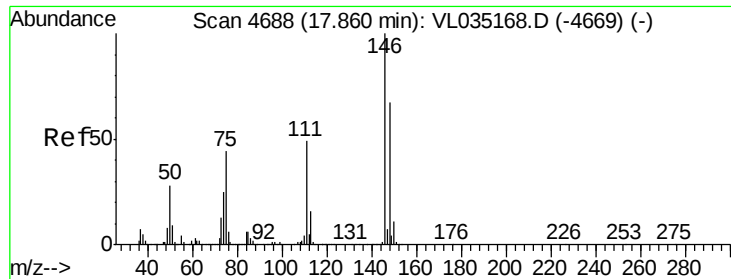
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#76
 1,4-Dichlorobenzene
 Concen: 9.270 ppbv
 RT: 17.18 min Scan# 4476
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.8	71.2
148	65.2	32.3	96.9





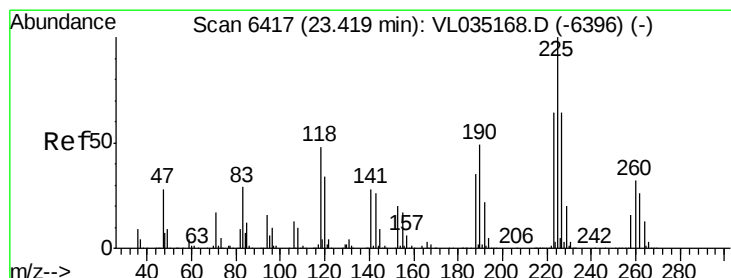
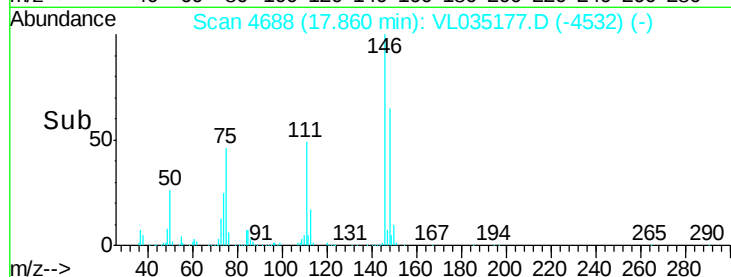
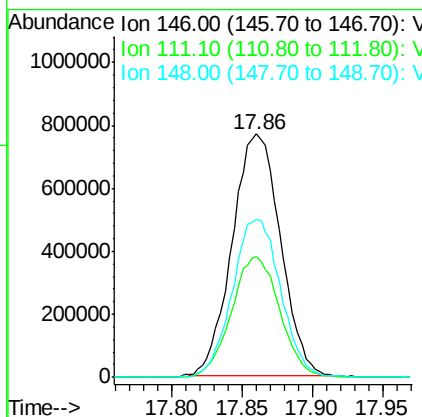
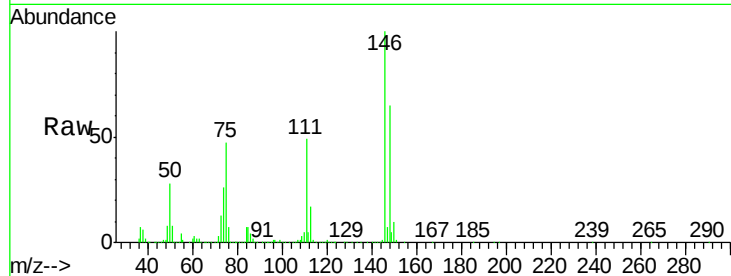
#77
 1,2-Dichlorobenzene
 Concen: 9.042 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.9	25.1	75.2
148	65.6	32.4	97.0

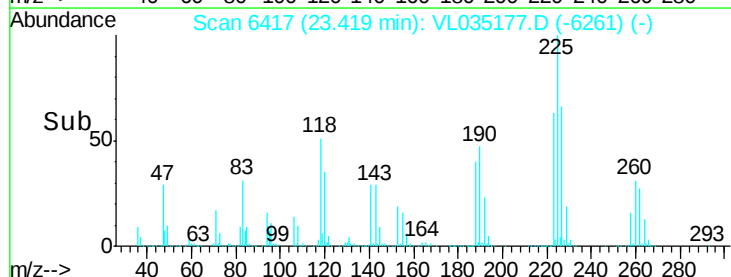
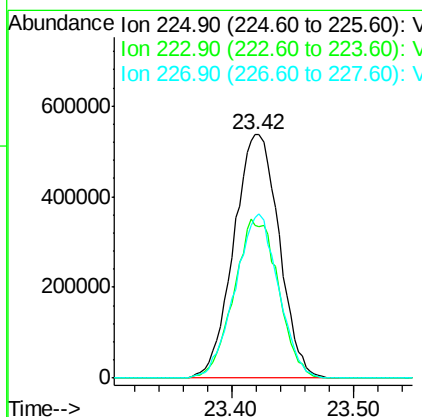
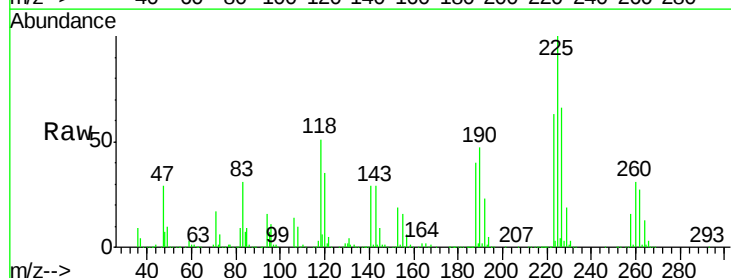
Manual Integrations
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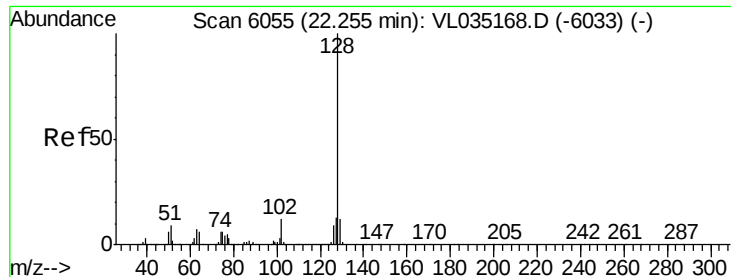
MMDadoda
 7/9/2020 12:02:44 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.581 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.2	75.2
227	64.6	51.2	76.8





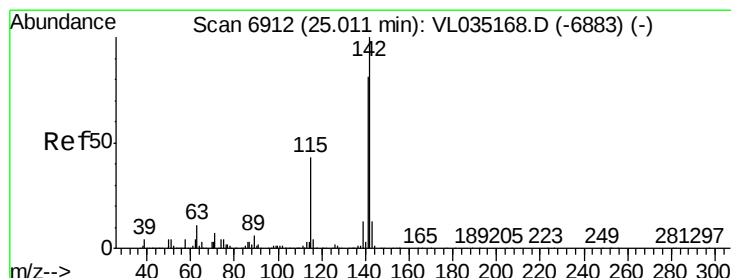
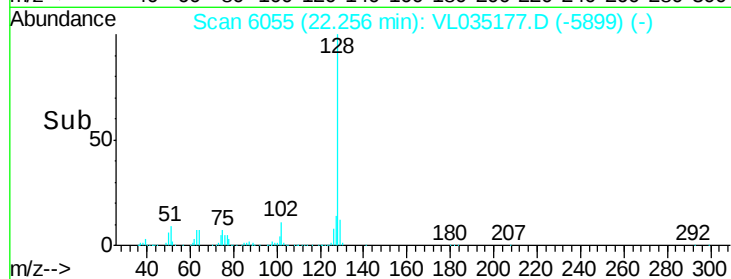
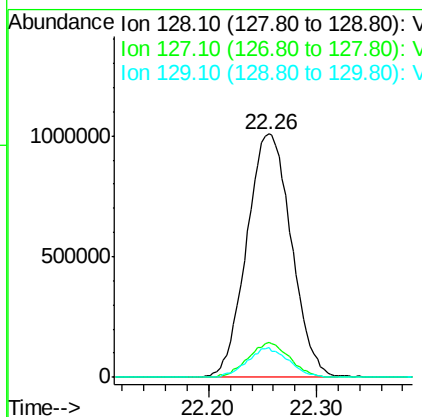
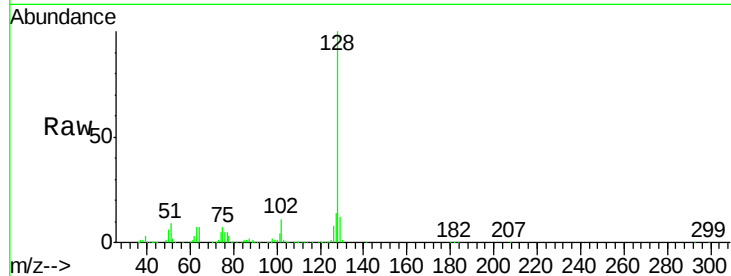
#79
Naphthalene
Concen: 12.490 ppbv
RT: 22.26 min Scan# 6055
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.8	16.2
129	12.2	9.4	14.2

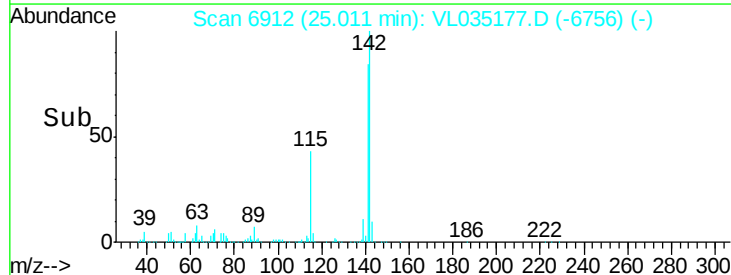
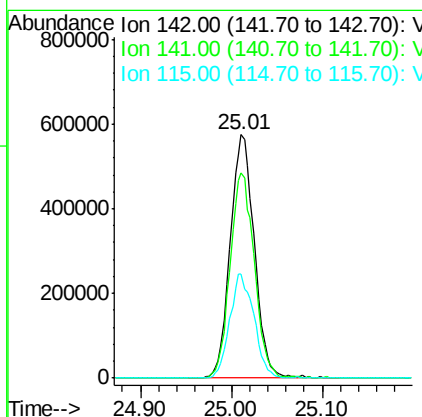
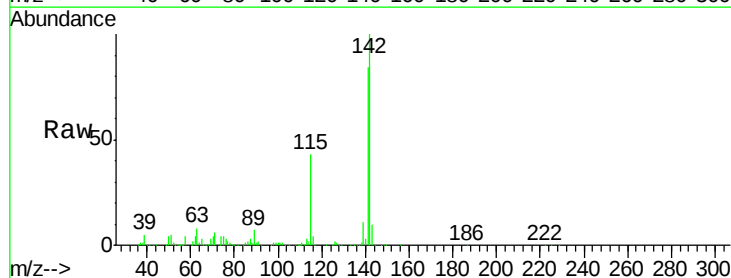
Manual Integrations
APPROVED

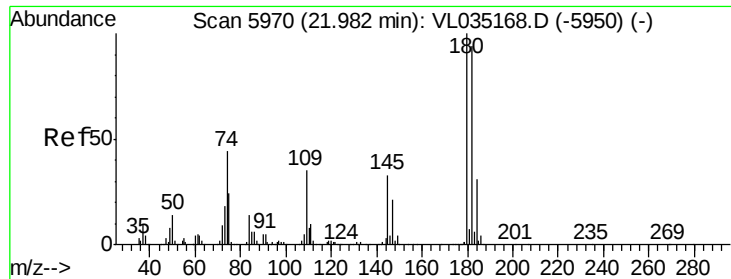
MMDadoda
7/9/2020 12:02:44 PM



#80
Naphthalene, 2-methyl-
Concen: 19.375 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.4	68.2	102.4
115	43.2	34.4	51.6





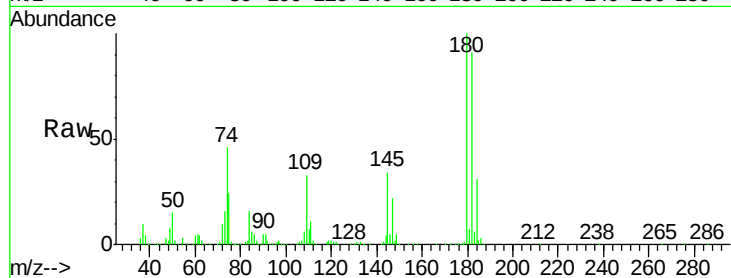
#81
 1,2,4-Trichlorobenzene
 Concen: 10.828 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.7	115.1
184	30.9	25.0	37.6

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:02:44 PM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

