

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
 Data File : VL035175.D
 Acq On : 8 Jul 2020 7:45
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL070820

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:02:41 PM

Quant Time: Jul 08 08:55:07 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	1353465	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3217417	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3075963	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2441712	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1626638	8.576	ppbv 99
3) Chlorodifluoromethane	2.94	51	1344270	8.992	ppbv 96
4) Chloromethane	3.10	50	766225	9.094	ppbv 99
5) Vinyl Chloride	3.21	62	754985	8.385	ppbv 99
6) Bromomethane	3.43	94	471371	9.224	ppbv 96
7) Chloroethane	3.52	64	285890	8.981	ppbv 94
8) Dichlorotetrafluoroethane	3.14	85	1752469	8.430	ppbv 100
9) Propene	2.96	41	579177	10.251	ppbv 100
10) Heptane	8.13	43	1510786	10.416	ppbv 99
11) Trichlorofluoromethane	3.91	101	1820605	8.499	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1296477	8.618	ppbv 99
13) Ethanol	3.56	45	138728m	7.712	ppbv
14) Bromoethene	3.70	108	572885	9.253	ppbv 99
15) Acetone	3.81	43	1405609	7.671	ppbv 99
16) 1,3-Butadiene	3.28	39	693561	9.861	ppbv 100
17) tert-Butyl alcohol	4.26	59	1626018	10.029	ppbv 99
18) 1,1-Dichloroethene	4.26	96	601779	9.035	ppbv 97
19) Isopropyl Alcohol	3.93	45	1109693	10.038	ppbv # 97
20) Methylene Chloride	4.31	84	582740	7.309	ppbv 97
21) Allyl Chloride	4.38	41	1012332	9.492	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	601498	9.045	ppbv 97
23) Vinyl Acetate	5.05	43	2062589	10.399	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1574712	9.245	ppbv 98
25) Ethyl Acetate	5.66	43	2686954	9.449	ppbv 100
26) Hexane	5.67	57	1201239	9.581	ppbv 99
27) Carbon Disulfide	4.52	76	1594050	9.105	ppbv 100
28) Methyl tert-Butyl Ether	5.01	73	1907783	9.987	ppbv 99
29) Chloroform	5.74	83	1849591	8.799	ppbv 96
30) Cyclohexane	7.13	84	993834	10.713	ppbv 98
31) cis-1,2-Dichloroethene	5.53	61	1227548	10.351	ppbv 98
32) 1,1,1-Trichloroethane	6.51	97	1847767	8.771	ppbv 99
34) 2-Butanone	5.22	43	1715293	9.988	ppbv 99
35) Carbon Tetrachloride	7.02	117	1895306	9.075	ppbv 96
36) Benzene	6.89	78	2374635	10.198	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1448614	9.270	ppbv 99
38) Trichloroethene	7.84	130	911251	9.604	ppbv 97
39) 1,2-Dichloropropane	7.62	63	928387	10.025	ppbv 93
40) 1,4-Dioxane	7.83	88	372503	10.104	ppbv # 1
41) Tetrahydrofuran	6.04	42	951220	11.070	ppbv 99
42) Bromodichloromethane	7.80	83	2001962	9.593	ppbv 99
43) Methyl Methacrylate	8.02	69	1072959	10.900	ppbv 99

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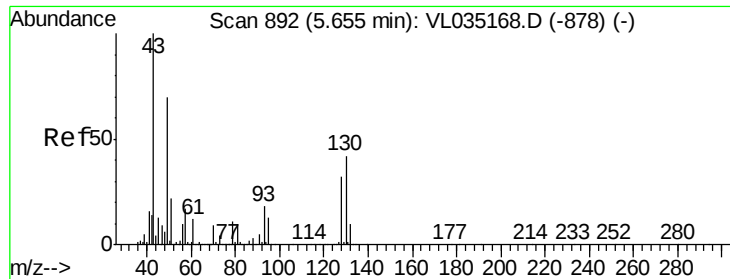
Manual Integrations
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Quant Time: Jul 08 08:55:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4040828	10.053	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	1202054	11.623	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1430942	11.671	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	981764	9.685	ppbv	98
48) Dibromochloromethane	10.32	129	1669219	10.121	ppbv	100
49) Bromoform	13.07	173	1431824m	9.924	ppbv	
50) 4-Methyl-2-Pentanone	8.74	43	2478880	10.058	ppbv	99
51) 2-Hexanone	10.14	43	2037813	10.843	ppbv #	99
52) Tetrachloroethene	11.24	164	848873	9.760	ppbv	96
53) Toluene	9.82	91	2734450	11.127	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1486342	9.881	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1249838	9.171	ppbv	98
57) Chlorobenzene	12.17	112	2064269	9.105	ppbv	99
58) Ethyl Benzene	12.74	91	3644542	10.720	ppbv	99
59) m/p-Xylene	13.02	91	6050623m	19.968	ppbv	
60) o-Xylene	13.72	91	2984350	9.872	ppbv	100
61) Styrene	13.55	104	2141634	11.464	ppbv	99
62) Isopropylbenzene	14.70	105	4419835	9.863	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2120063	8.392	ppbv	99
64) n-propylbenzene	15.60	120	1172069	10.125	ppbv	97
65) tert-Butylbenzene	16.78	119	3914236	9.726	ppbv	100
66) Benzyl Chloride	17.03	91	1508153	10.518	ppbv	99
67) sec-Butylbenzene	17.33	105	5554366	9.467	ppbv	99
69) p-Isopropyltoluene	17.69	119	4580128	9.960	ppbv	100
70) n-Butylbenzene	18.59	91	4761170	9.765	ppbv	99
71) 2-Chlorotoluene	15.48	91	3400847	10.030	ppbv	100
72) 4-Ethyltoluene	15.87	105	3505734	10.292	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3297551	10.039	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	3443987	9.487	ppbv	97
75) 1,3-Dichlorobenzene	17.04	146	1944353	8.458	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1946763	9.112	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1882693	9.096	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1377007	8.419	ppbv	99
79) Naphthalene	22.26	128	2942180	12.525	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	1117361	20.138	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	1606728	10.797	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

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

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ClientSampleId :

ICVVL070820

Tot Ion: 49 Resp: 1353465

Ion Ratio Lower Upper

49 100

128 46.4 23.8 71.4

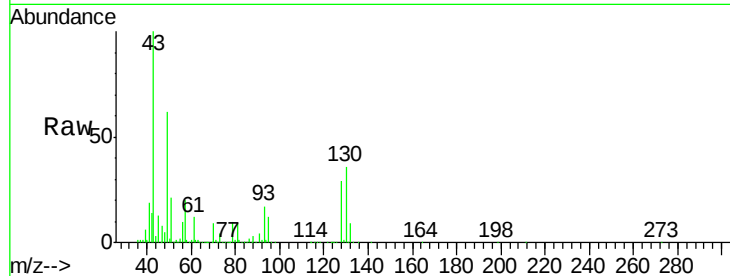
130 59.4 29.9 89.8

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.65

800000

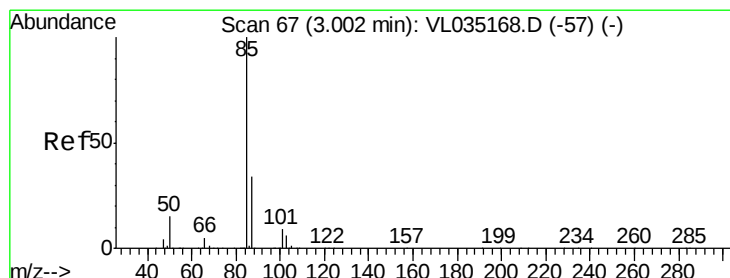
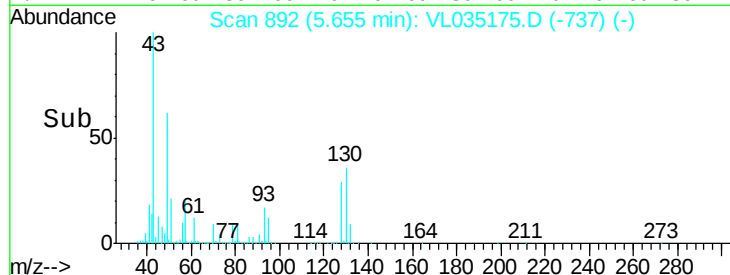
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 8.576 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035175.D

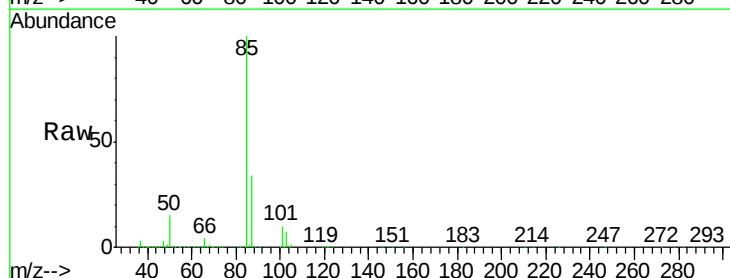
Acq: 8 Jul 2020 7:45

Tgt Ion: 85 Resp: 1626638

Ion Ratio Lower Upper

85 100

87 34.1 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

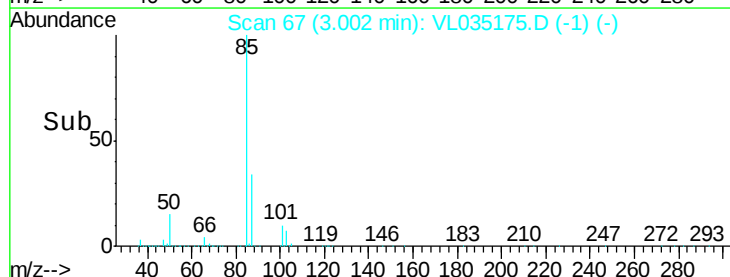
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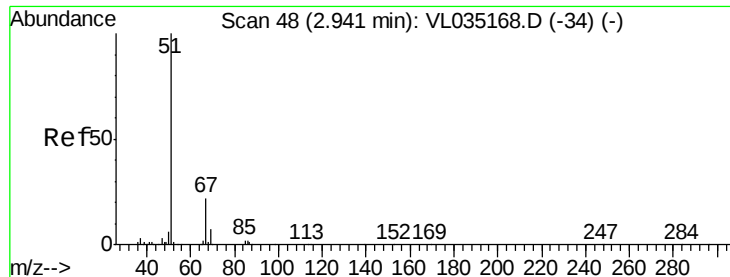
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500000

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Time-->





#3

Chlorodifluoromethane

Concen: 8.992 ppbv

RT: 2.94 min Scan# 48

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Tot Ion: 51 Resp: 1344270

Ion Ratio Lower Upper

51 100

67 18.9 16.6 24.8

Instrument :

MSVOA_L

ClientSampleId :

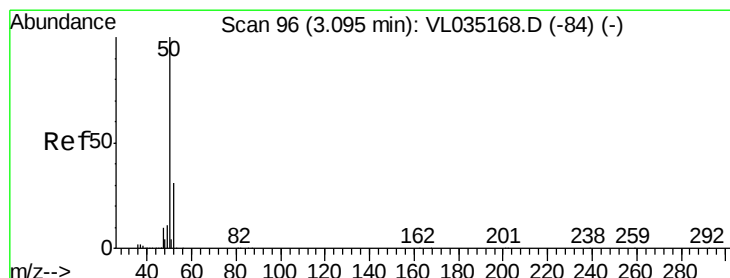
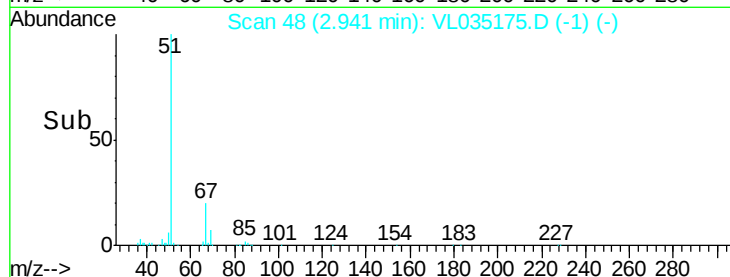
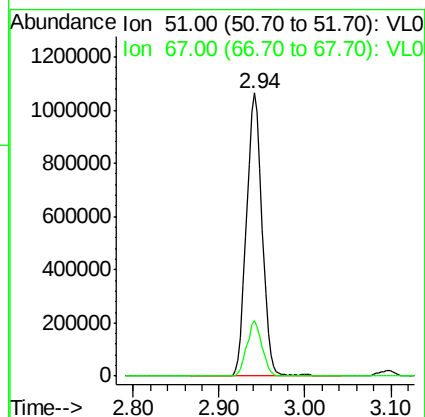
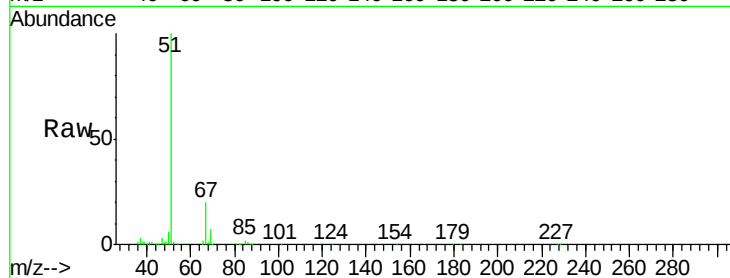
ICVVL070820

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#4

Chloromethane

Concen: 9.094 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.00 min

Lab File: VL035175.D

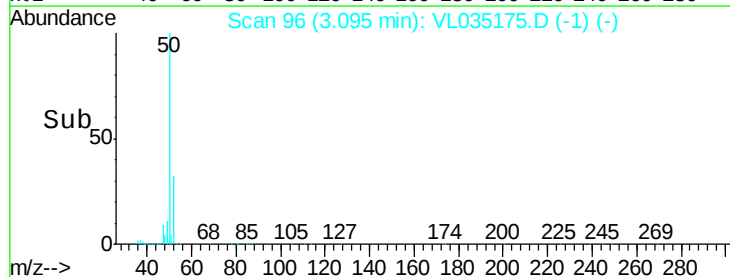
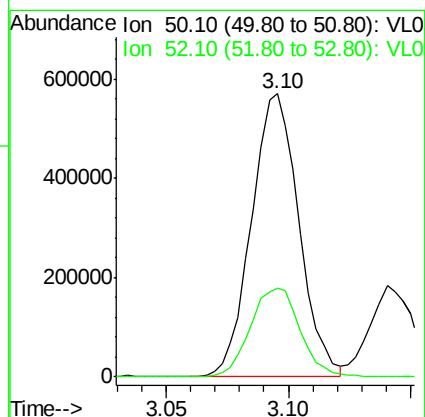
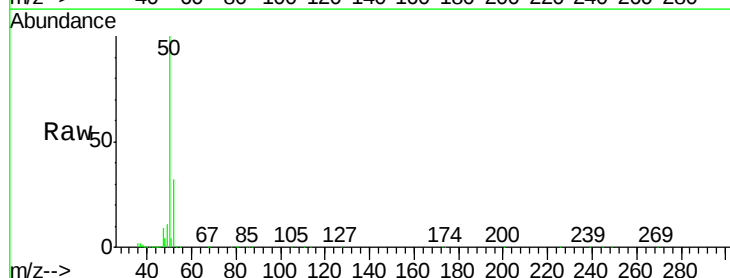
Acq: 8 Jul 2020 7:45

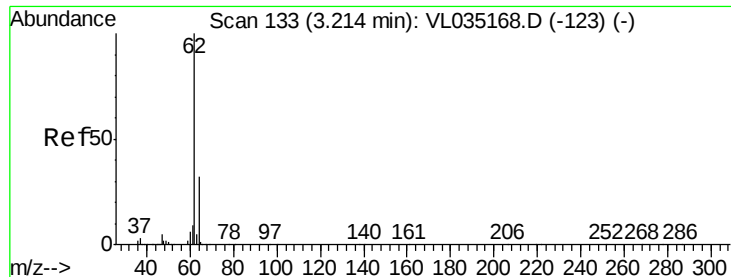
Tgt Ion: 50 Resp: 766225

Ion Ratio Lower Upper

50 100

52 31.6 25.0 37.6





#5

Vinyl Chloride

Concen: 8.385 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion: 62 Resp: 754985

Ion Ratio Lower Upper

62 100

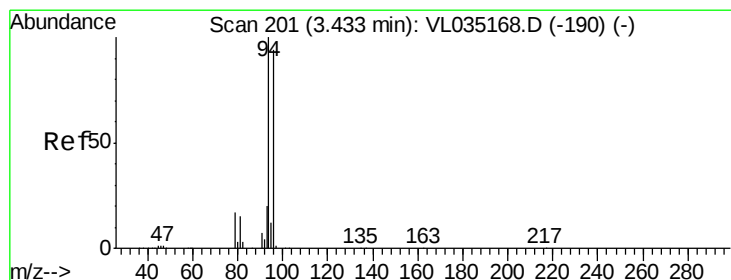
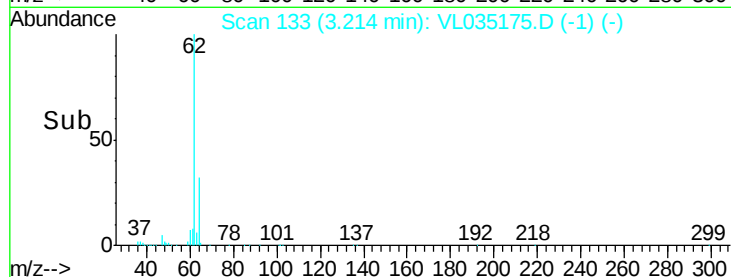
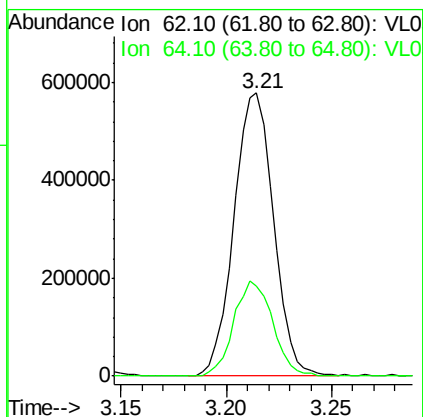
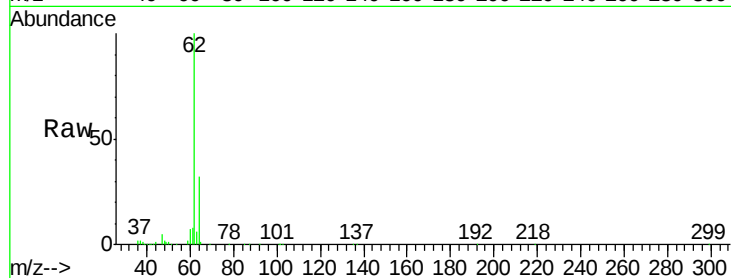
64 31.9 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 9.224 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.00 min

Lab File: VL035175.D

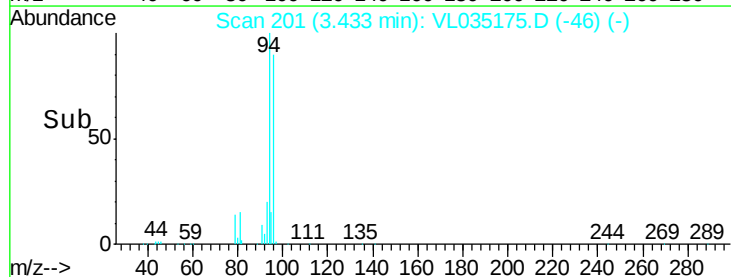
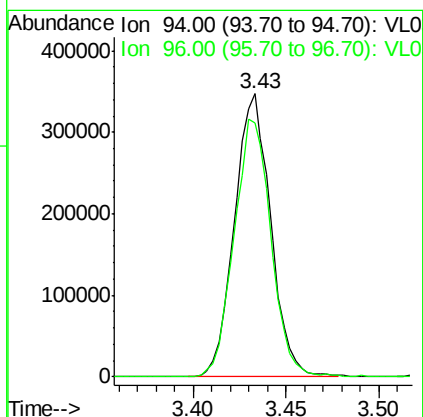
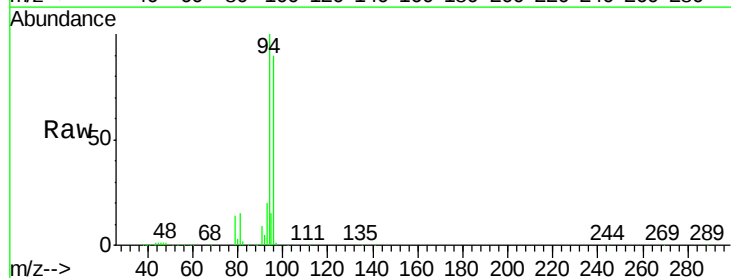
Acq: 8 Jul 2020 7:45

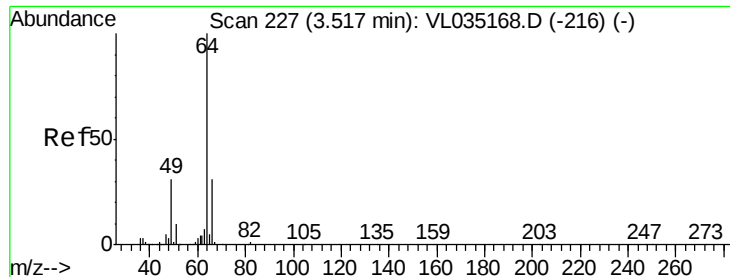
Tgt Ion: 94 Resp: 471371

Ion Ratio Lower Upper

94 100

96 89.6 74.8 112.2





#7

Chloroethane

Concen: 8.981 ppbv

RT: 3.52 min Scan# 227

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion: 64 Resp: 285890

Ion Ratio Lower Upper

64 100

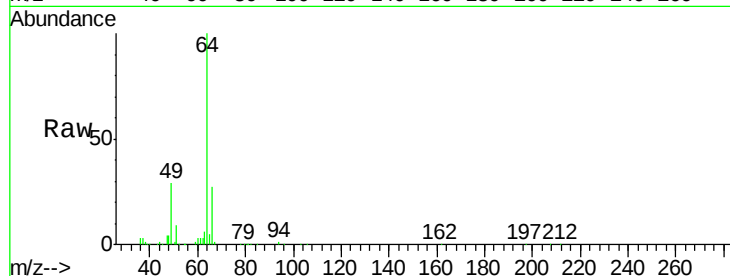
66 27.4 24.6 36.8

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.52

250000

200000

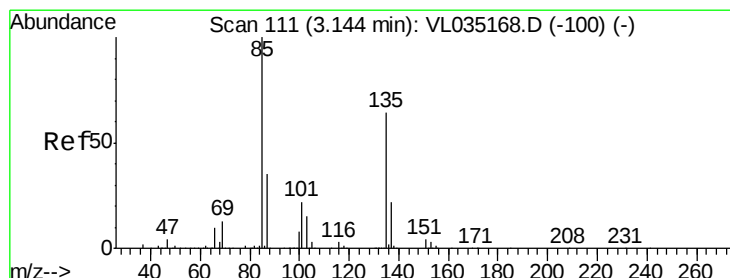
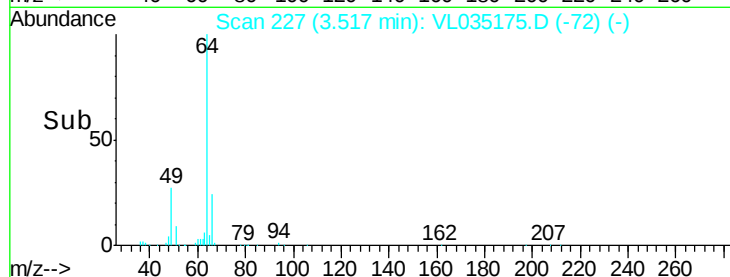
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50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.430 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL035175.D

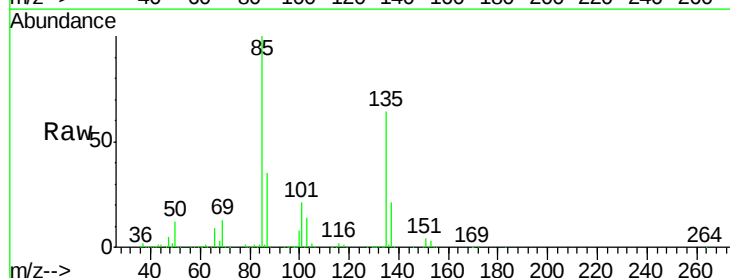
Acq: 8 Jul 2020 7:45

Tgt Ion: 85 Resp: 1752469

Ion Ratio Lower Upper

85 100

135 65.2 52.1 78.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.14

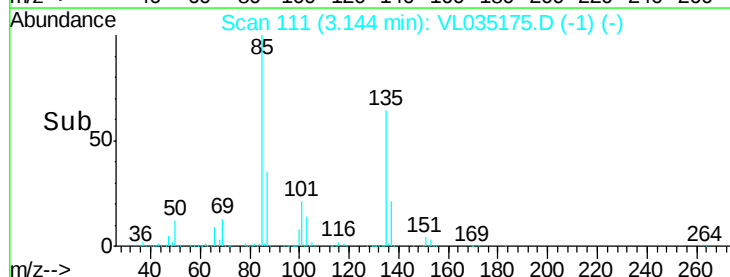
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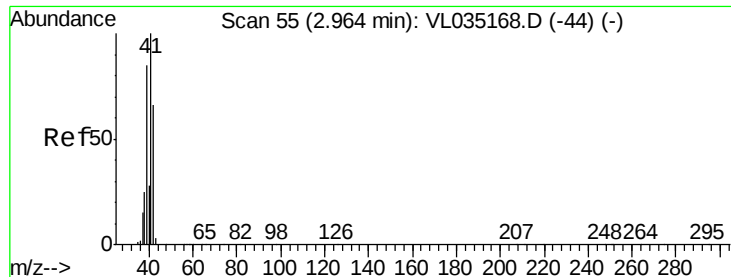
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Time-->





#9

Propene

Concen: 10.251 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Tot Ion: 41 Resp: 579177

Ion Ratio Lower Upper

41 100

42 67.9 54.6 81.8

Instrument :

MSVOA_L

ClientSampleId :

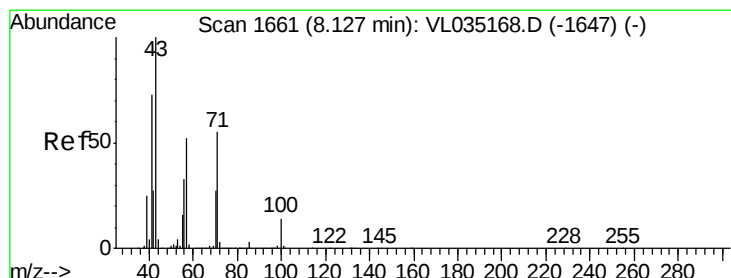
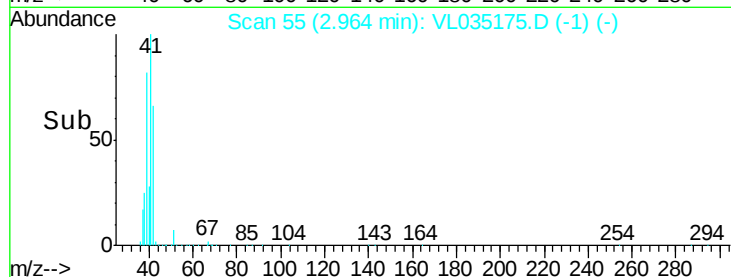
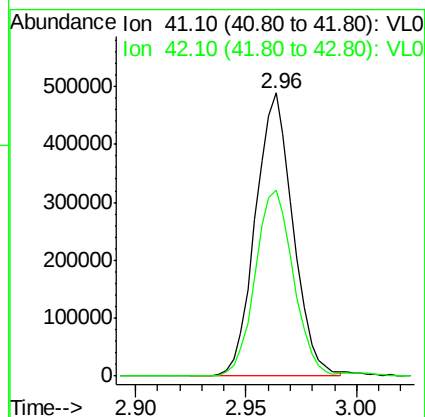
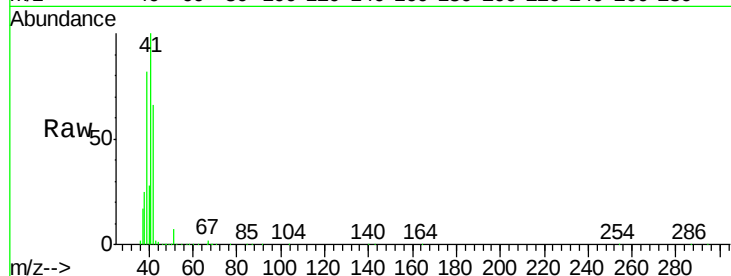
ICVVL070820

Manual Integrations

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#10

Heptane

Concen: 10.416 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL035175.D

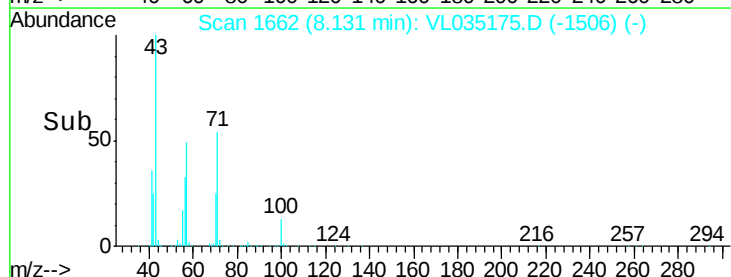
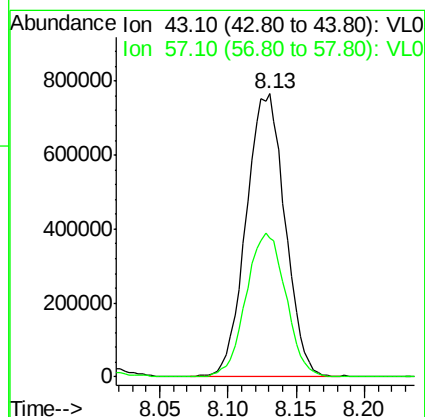
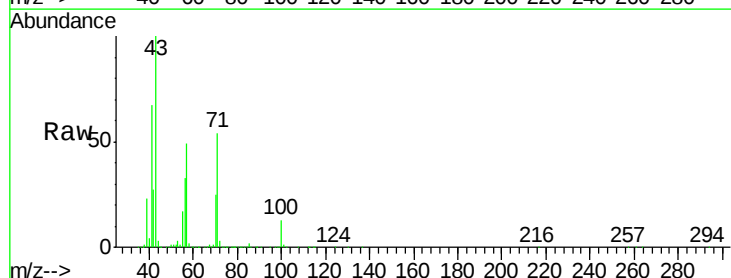
Acq: 8 Jul 2020 7:45

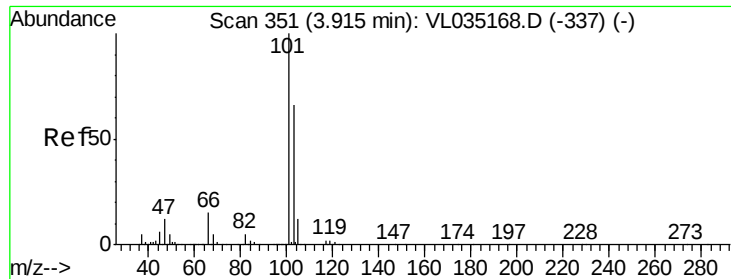
Tgt Ion: 43 Resp: 1510786

Ion Ratio Lower Upper

43 100

57 51.7 41.8 62.6





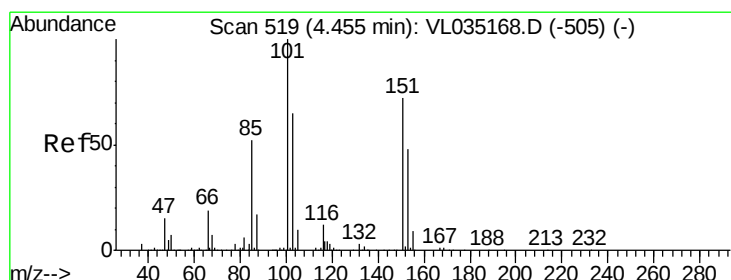
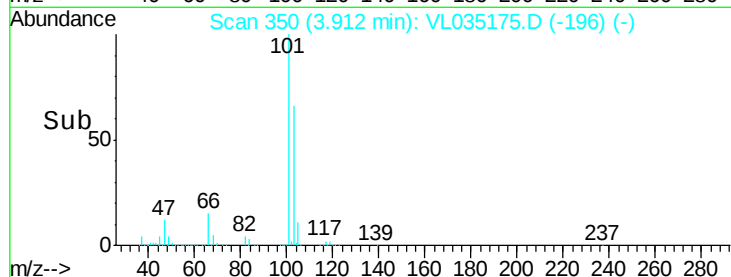
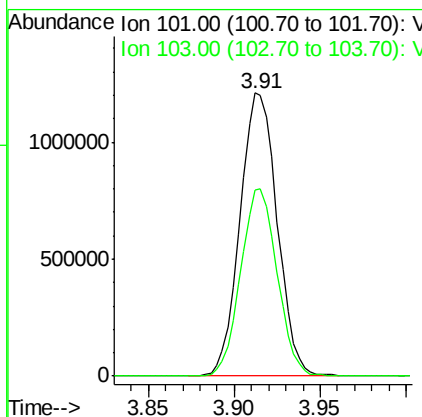
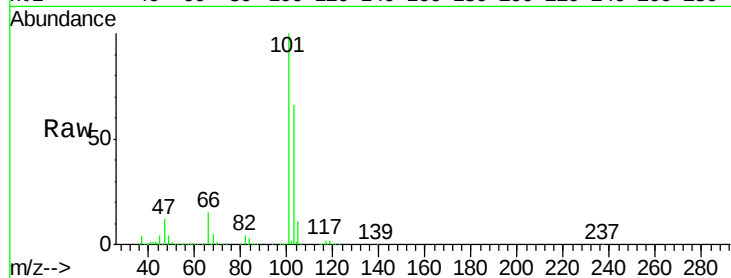
#11
 Trichlorofluoromethane
 Concen: 8.499 ppbv
 RT: 3.91 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070820

Tot Ion:101 Resp: 1820605
 Ion Ratio Lower Upper
 101 100
 103 65.8 53.1 79.7

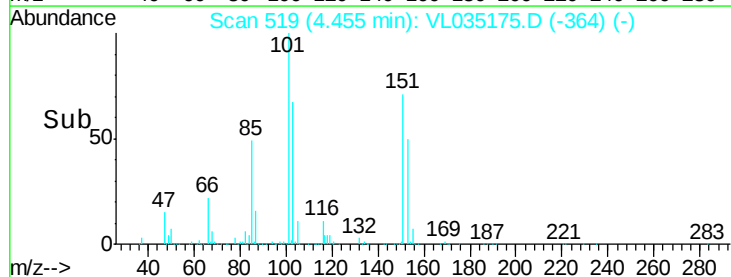
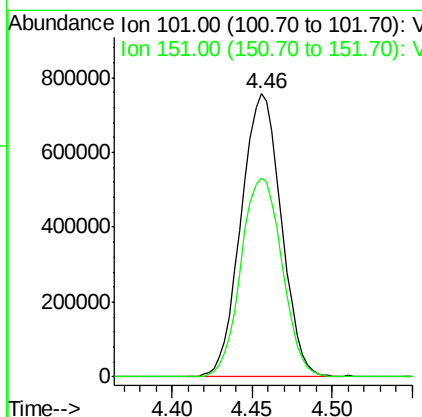
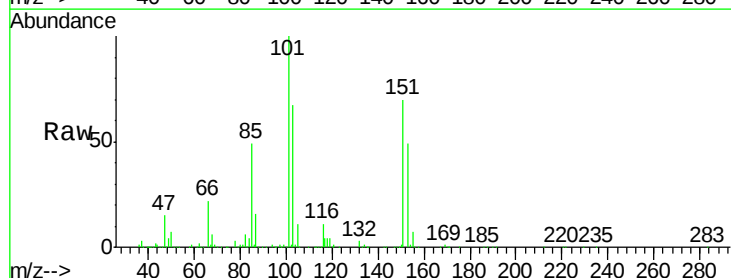
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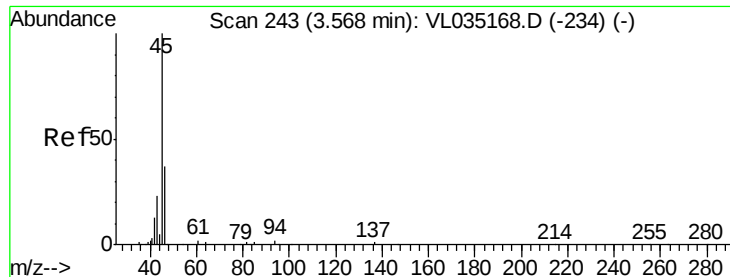
MMDadoda
 7/9/2020 12:02:41 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.618 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Tgt Ion:101 Resp: 1296477
 Ion Ratio Lower Upper
 101 100
 151 72.2 57.0 85.4





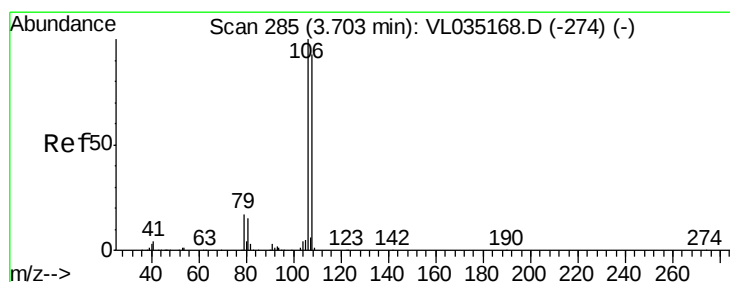
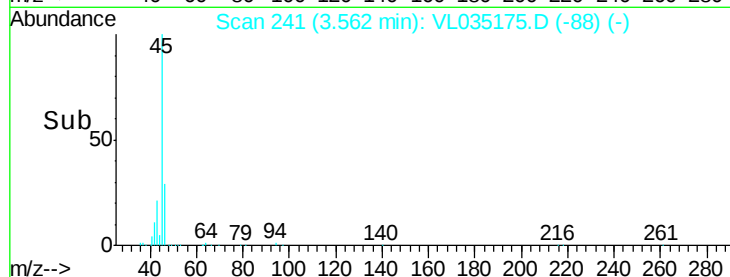
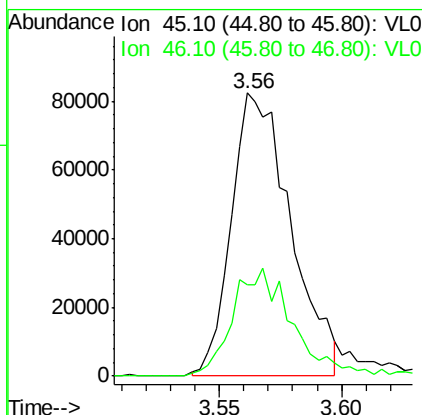
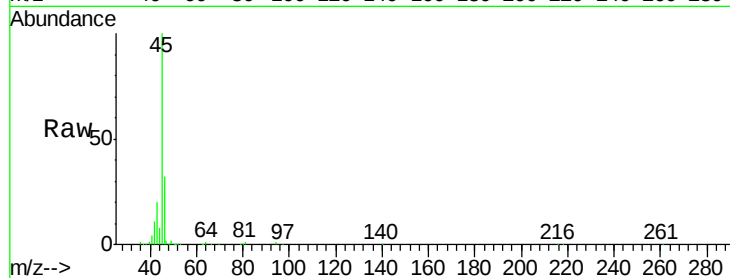
#13
Ethanol
Concen: 7.712 ppbv m
RT: 3.56 min Scan# 241
Delta R.T. -0.01 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

Tot Ion	45	Resp	138728
Ion Ratio	100	Lower	Upper
46	39.2	16.2	65.0

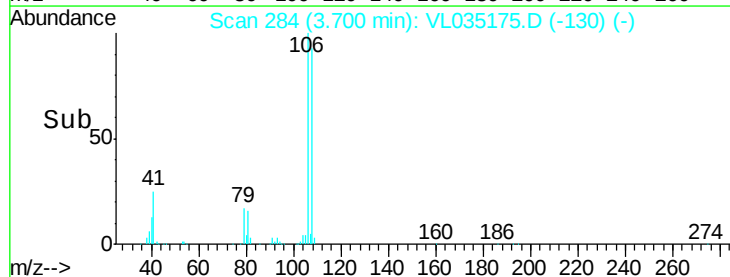
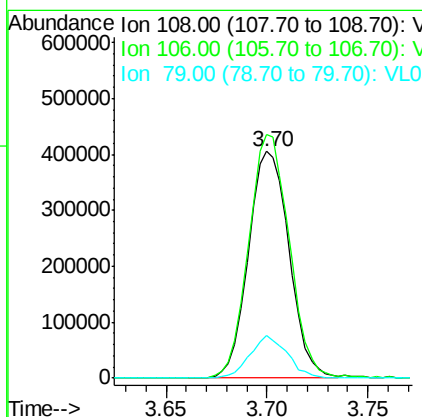
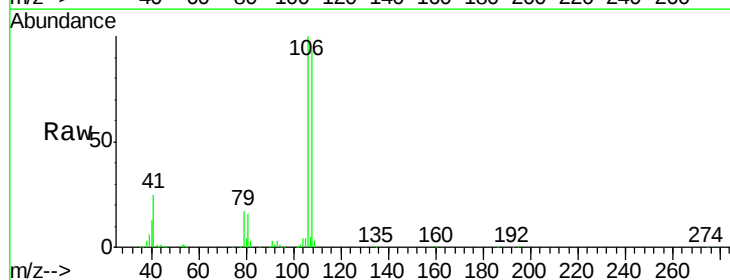
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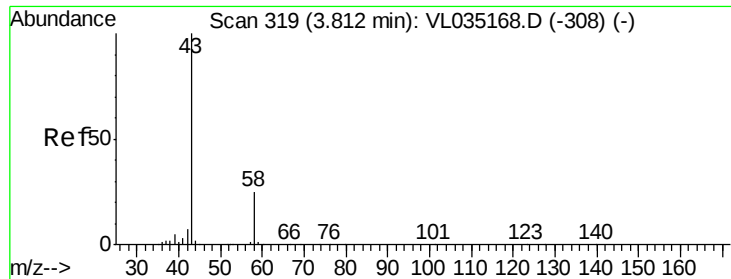
MMDadoda
7/9/2020 12:02:41 PM



#14
Bromoethene
Concen: 9.253 ppbv
RT: 3.70 min Scan# 284
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion	108	Resp	572885
Ion Ratio	100	Lower	Upper
106	108.3	86.2	129.2
79	17.5	15.0	22.6





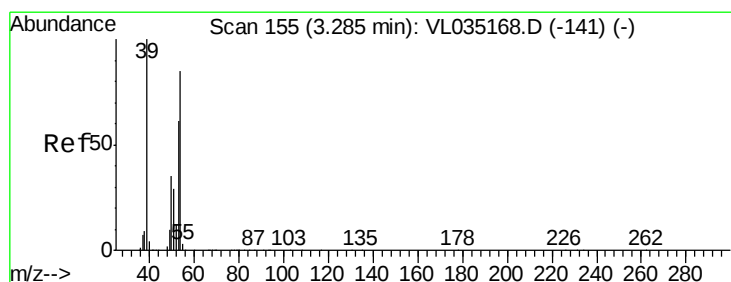
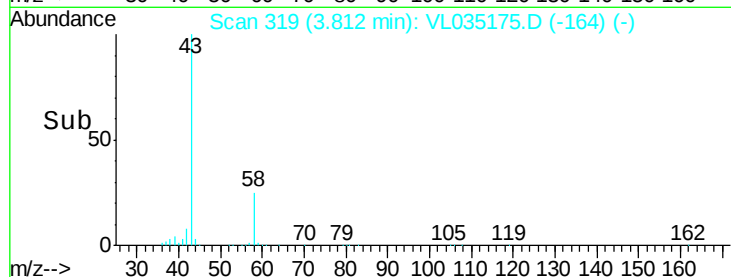
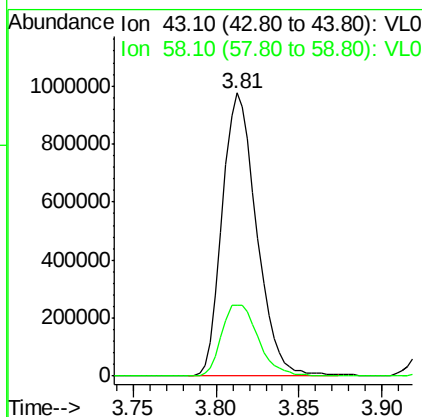
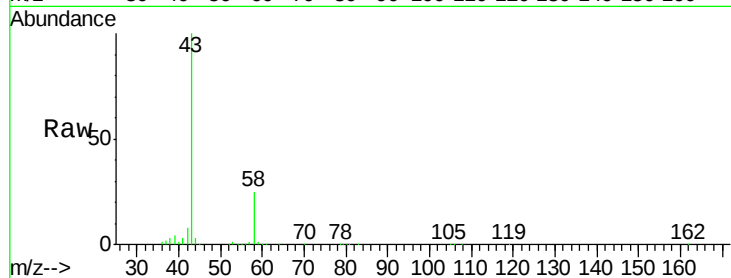
#15
Acetone
Concen: 7.671 ppbv
RT: 3.81 min Scan# 319
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

Tot Ion: 43 Resp: 1405609
Ion Ratio Lower Upper
43 100
58 27.2 21.3 31.9

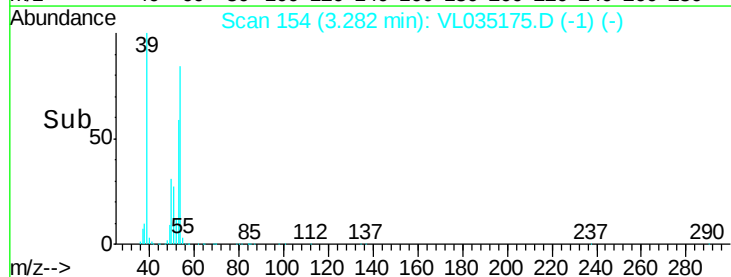
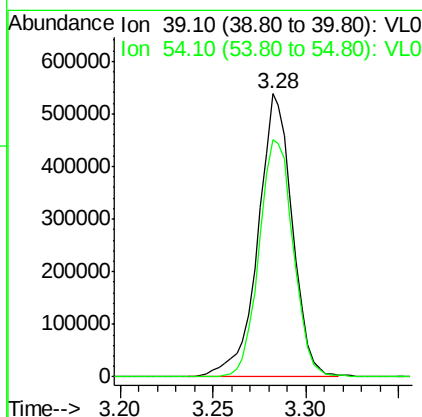
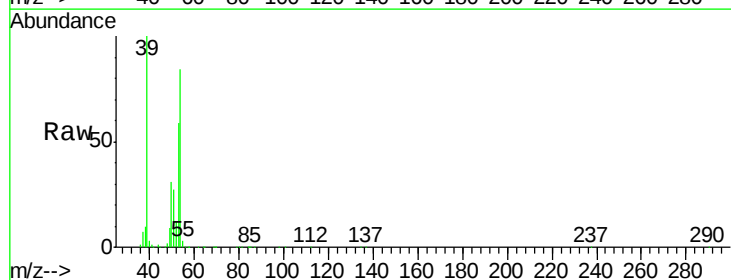
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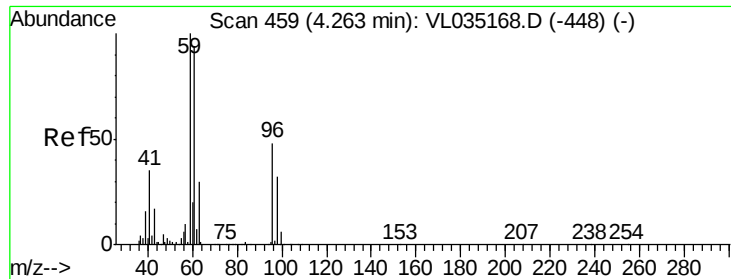
MMDadoda
7/9/2020 12:02:41 PM



#16
1,3-Butadiene
Concen: 9.861 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion: 39 Resp: 693561
Ion Ratio Lower Upper
39 100
54 84.0 67.2 100.8





#17

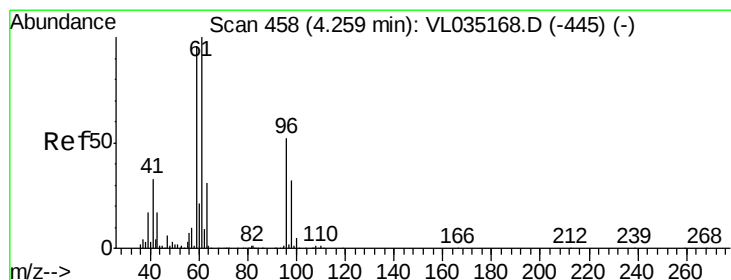
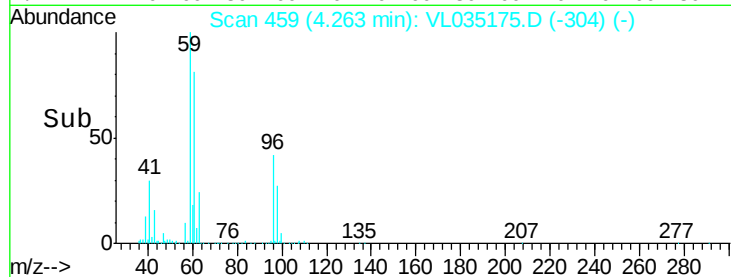
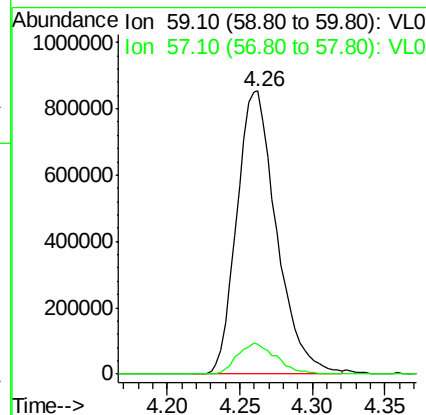
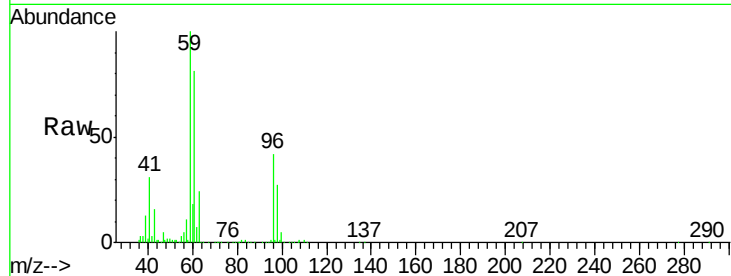
tert-Butyl alcohol
Concen: 10.029 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

Tot Ion: 59 Resp: 1626018
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8

Manual Integrations
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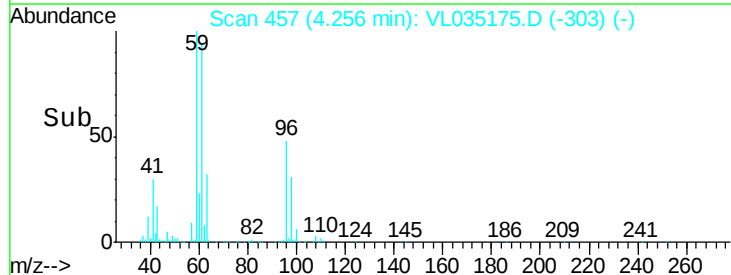
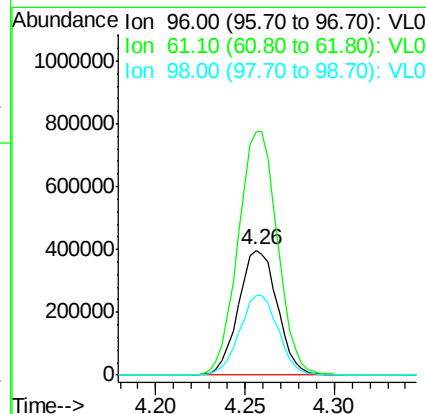
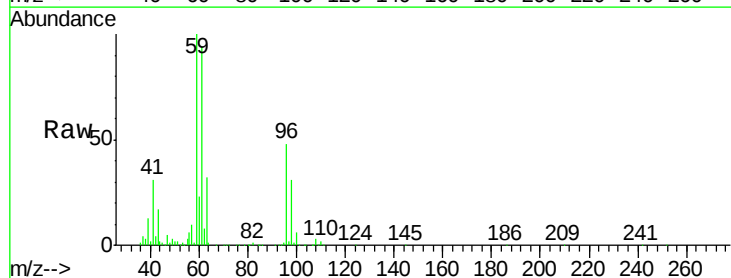
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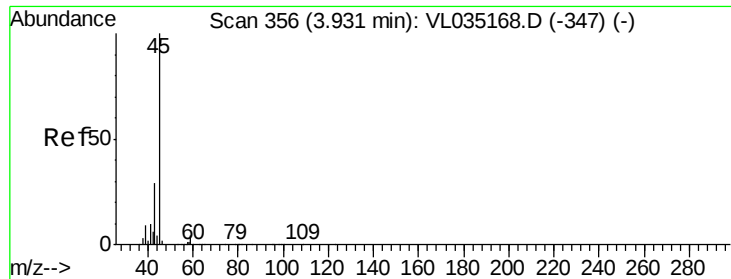


#18

1,1-Dichloroethene
Concen: 9.035 ppbv
RT: 4.26 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion: 96 Resp: 601779
Ion Ratio Lower Upper
96 100
61 194.7 152.9 229.3
98 63.9 48.7 73.1





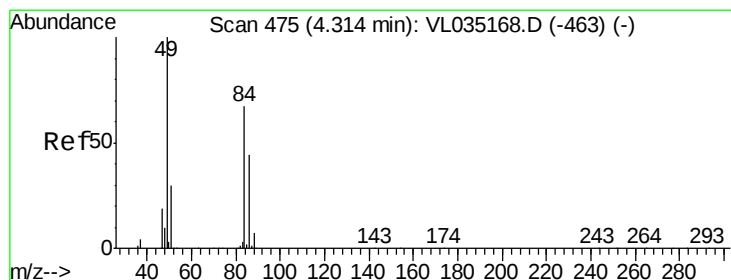
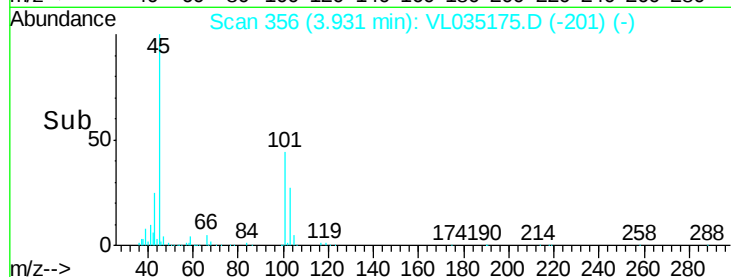
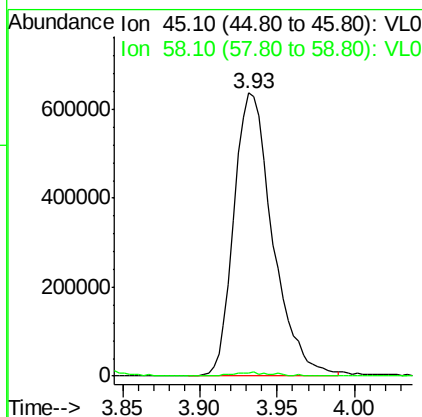
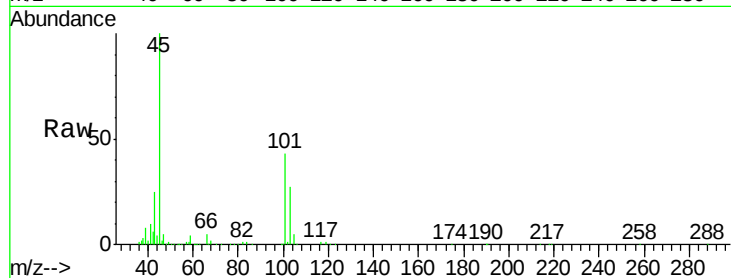
#19
Isopropyl Alcohol
Concen: 10.038 ppbv
RT: 3.93 min Scan# 356
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

Tot Ion: 45 Resp: 1109693
Ion Ratio Lower Upper
45 100
58 1.7 2.1 3.1#

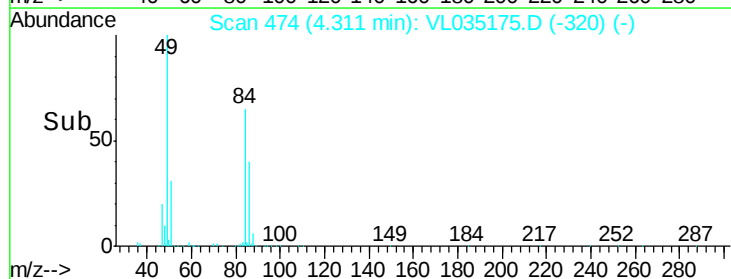
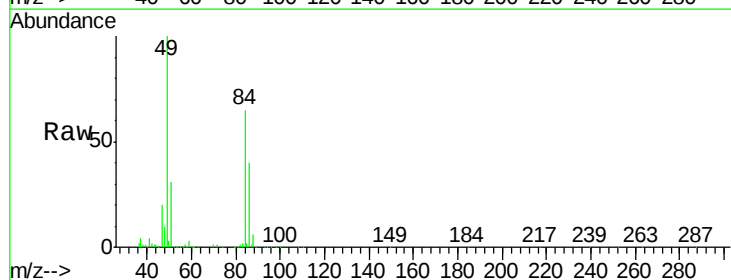
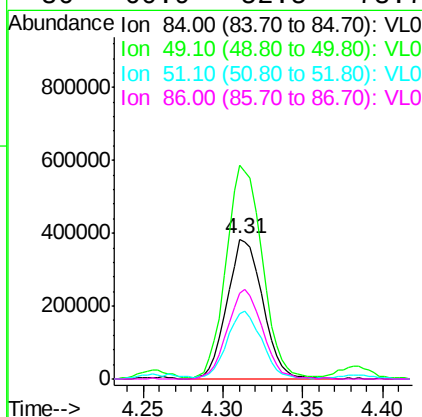
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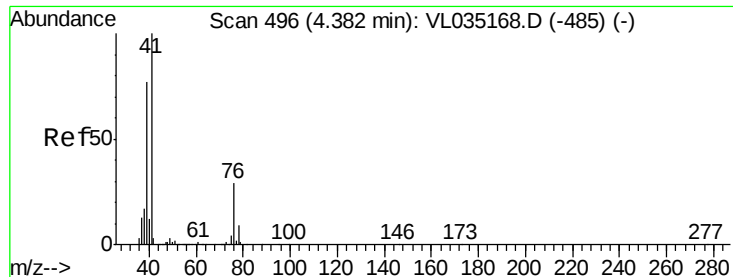
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#20
Methylene Chloride
Concen: 7.309 ppbv
RT: 4.31 min Scan# 474
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion: 84 Resp: 582740
Ion Ratio Lower Upper
84 100
49 152.0 119.4 179.0
51 45.5 36.6 55.0
86 60.9 52.5 78.7





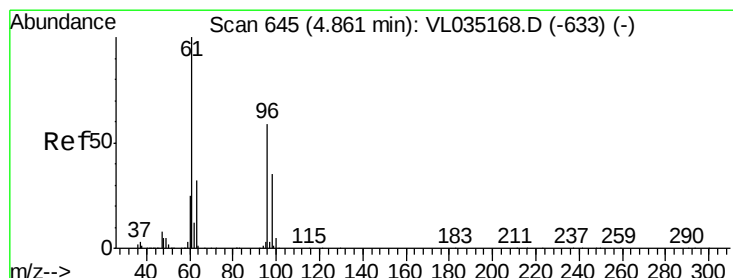
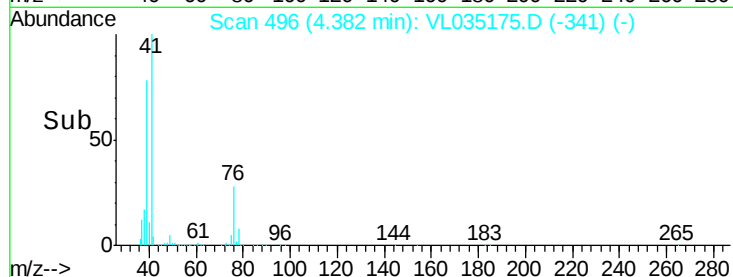
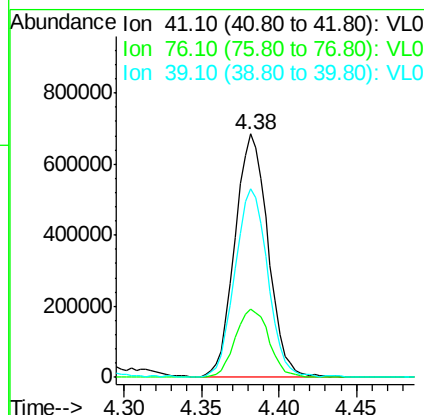
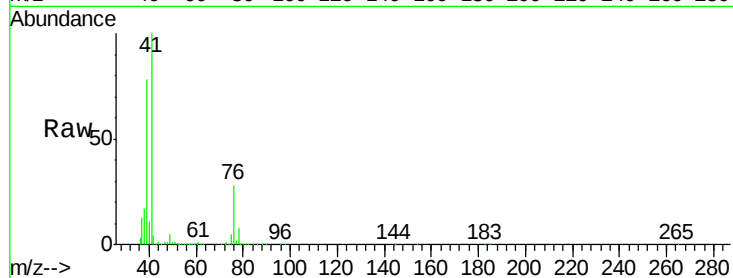
#21
Allvl Chloride
Concen: 9.492 ppbv
RT: 4.38 min Scan# 496
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.8	23.5	35.3
39	77.9	63.4	95.0

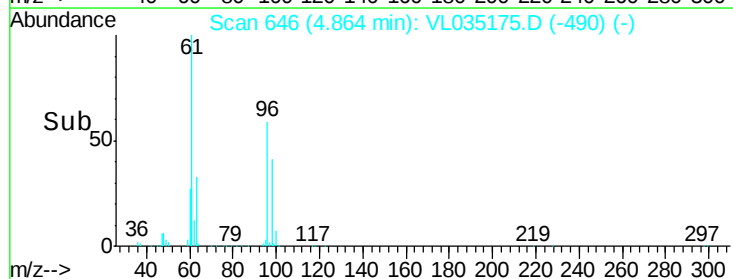
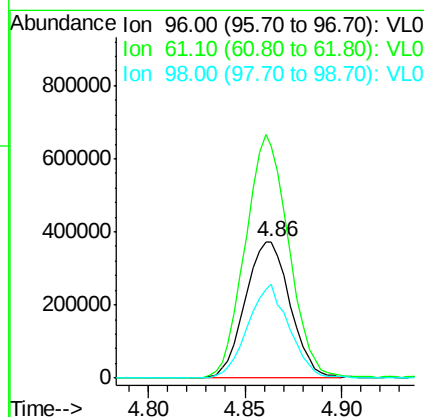
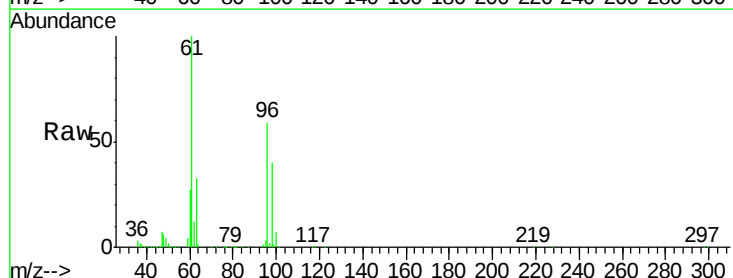
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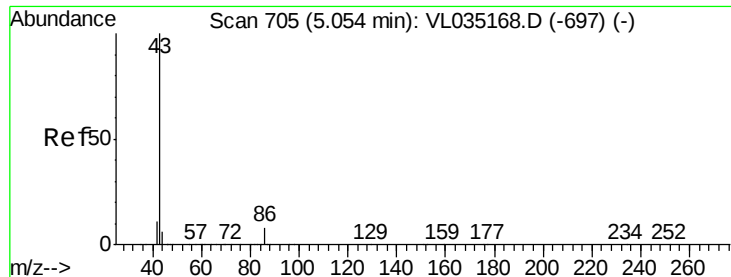
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#22
trans-1,2-Dichloroethene
Concen: 9.045 ppbv
RT: 4.86 min Scan# 646
Delta R.T. 0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.1	136.5	204.7
98	68.6	47.5	71.3





#23

Vinyl Acetate

Concen: 10.399 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.00 min

Lab File: VL035175.D

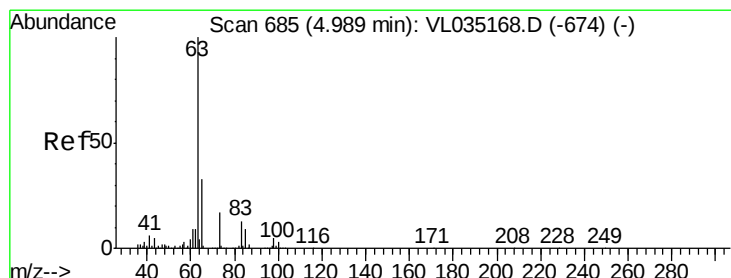
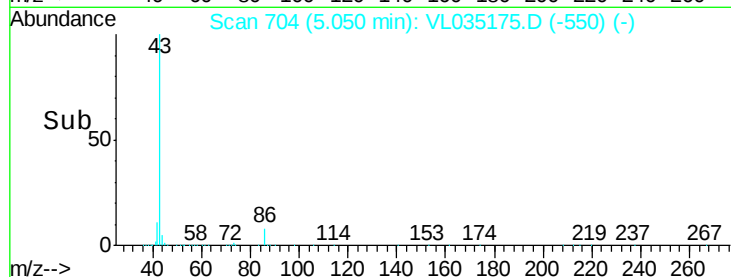
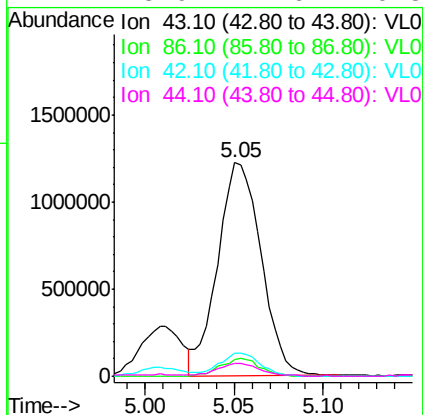
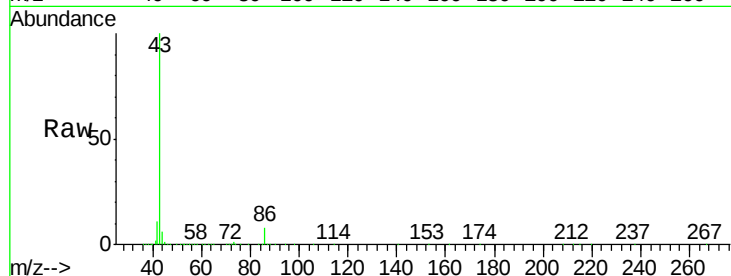
Acq: 8 Jul 2020 7:45

Tot Ion:	43	Resp:	2062589
Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.2	9.2
42	10.5	9.1	13.7
44	5.9	4.6	6.8

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

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#24

1,1-Dichloroethane

Concen: 9.245 ppbv

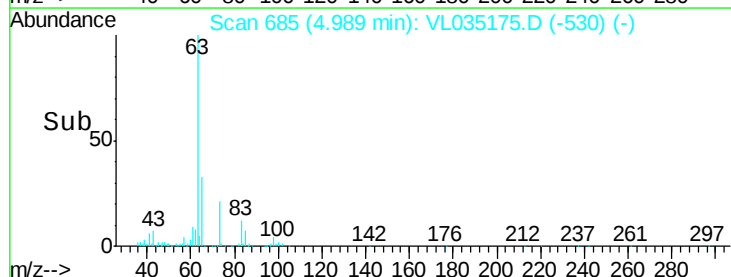
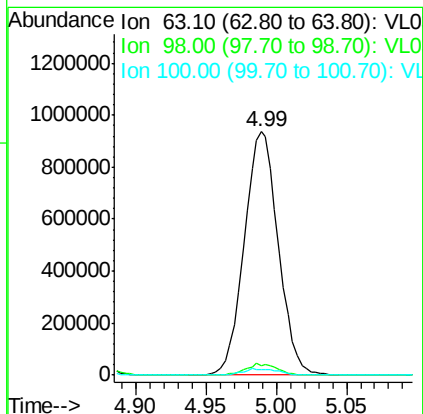
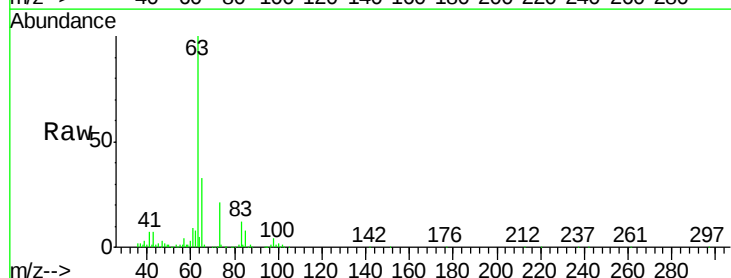
RT: 4.99 min Scan# 685

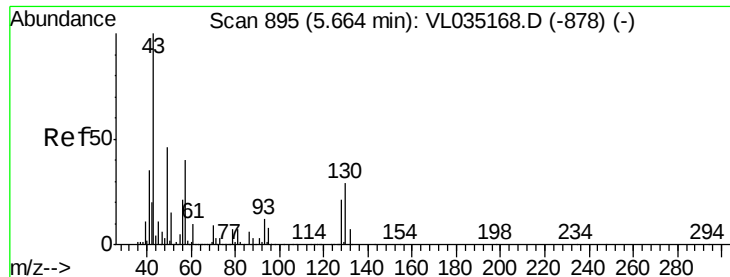
Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Tgt Ion:	63	Resp:	1574712
Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.4	7.1
100	2.5	1.4	4.0





#25

Ethyl Acetate

Concen: 9.449 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion: 43 Resp: 2686954

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.5	12.7
61	9.8	8.1	12.1
70	7.9	6.3	9.5

43 100

45 10.5 8.5 12.7

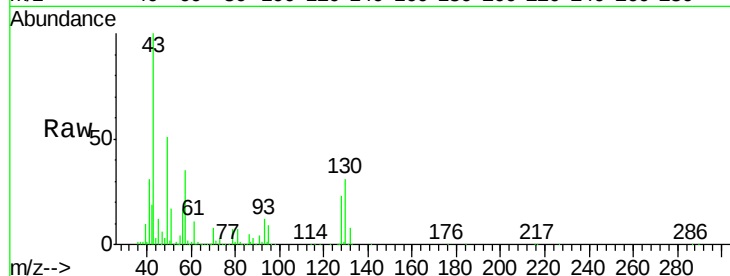
61 9.8 8.1 12.1

70 7.9 6.3 9.5

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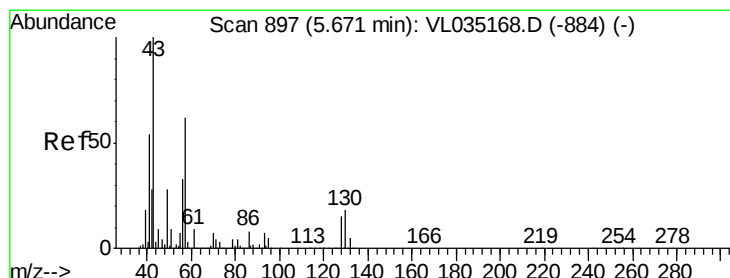
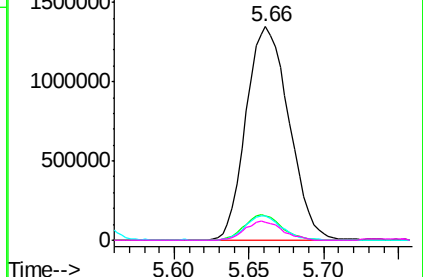
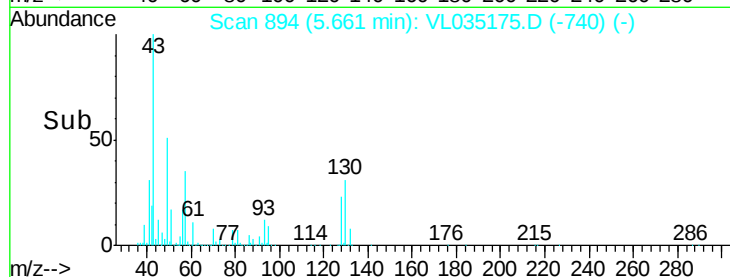
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

Time-->



#26

Hexane

Concen: 9.581 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Tgt Ion: 57 Resp: 1201239

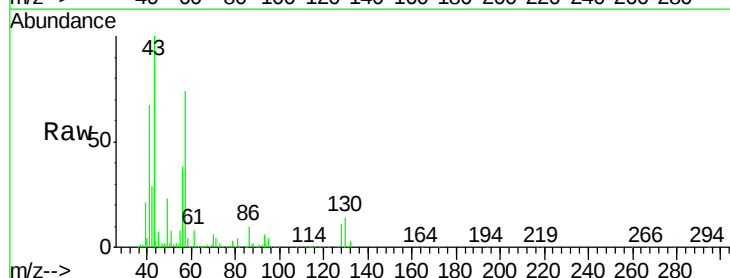
Ion	Ratio	Lower	Upper
57	100		
41	91.5	72.9	109.3
43	225.3	179.5	269.3
56	52.8	42.9	64.3

57 100

41 91.5 72.9 109.3

43 225.3 179.5 269.3

56 52.8 42.9 64.3



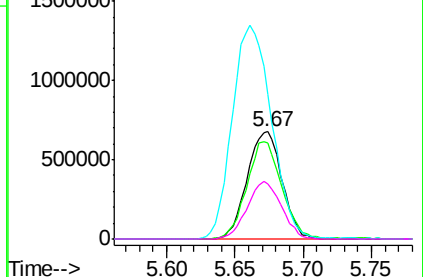
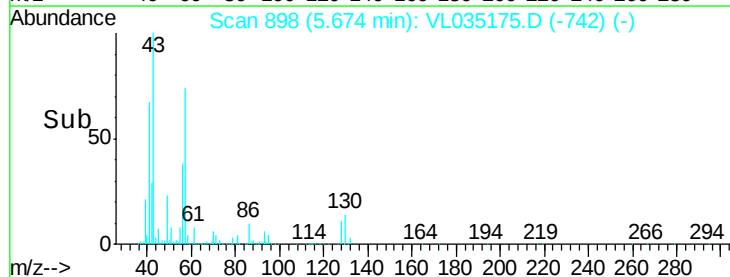
Abundance Ion 57.10 (56.80 to 57.80): VL0

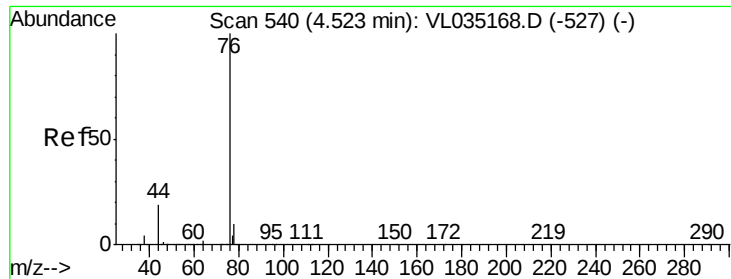
Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

Time-->





#27

Carbon Disulfide

Concen: 9.105 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion: 76 Resp: 1594050

Ion Ratio Lower Upper

76 100

44 18.6 14.9 22.3

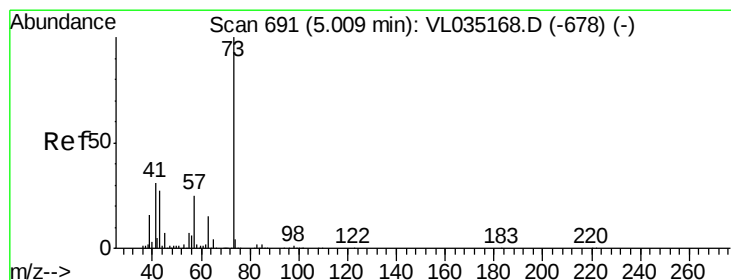
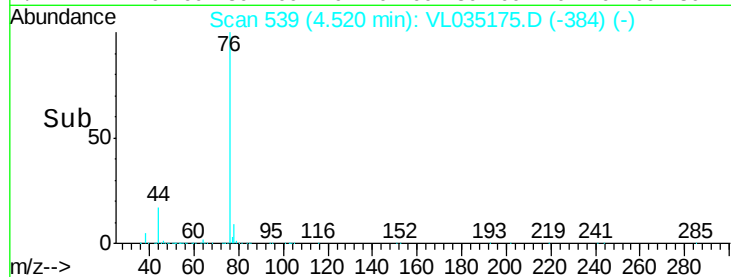
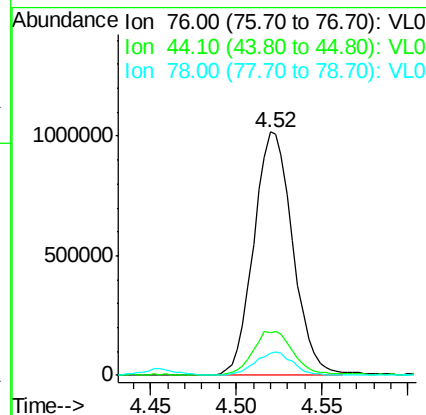
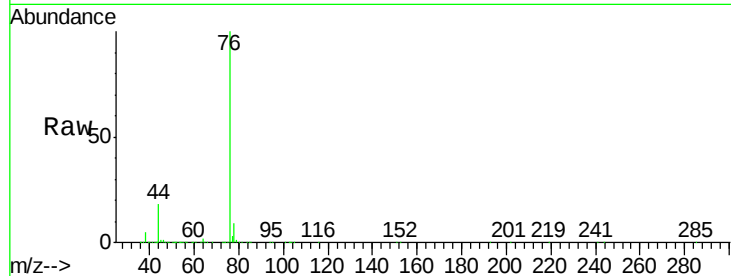
78 9.5 7.5 11.3

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#28

Methyl tert-Butyl Ether

Concen: 9.987 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL035175.D

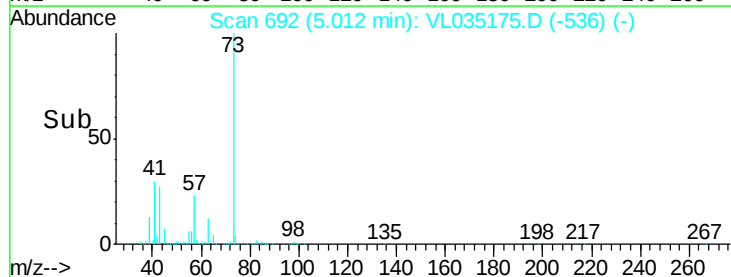
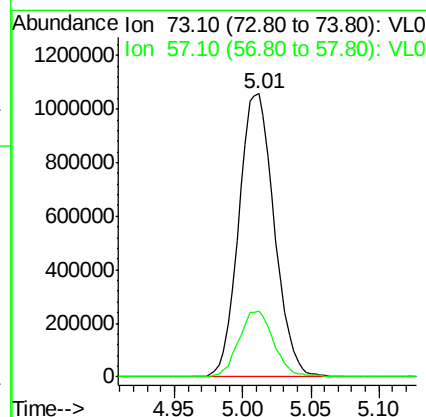
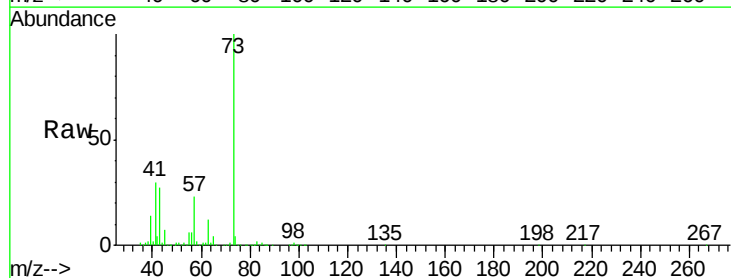
Acq: 8 Jul 2020 7:45

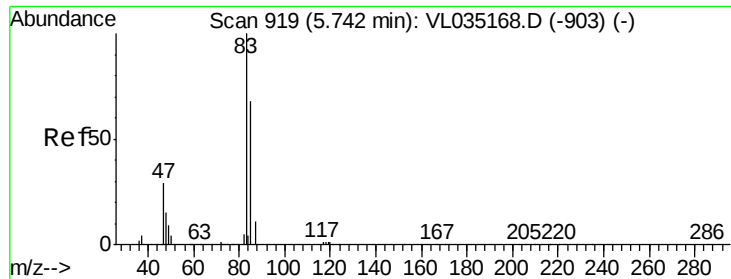
Tgt Ion: 73 Resp: 1907783

Ion Ratio Lower Upper

73 100

57 23.0 18.1 27.1





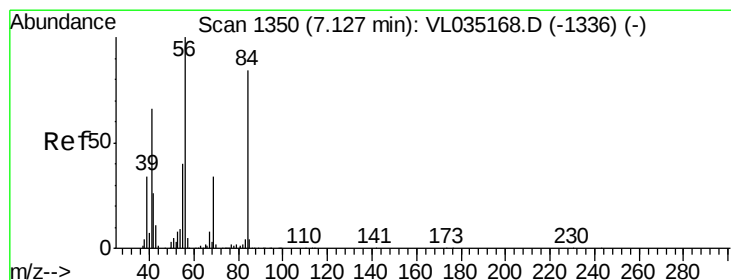
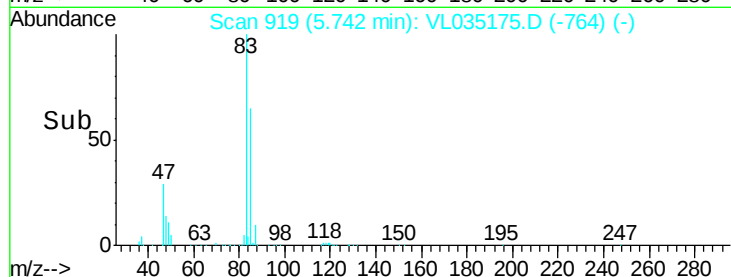
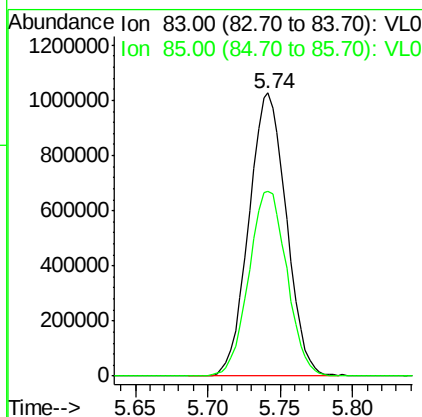
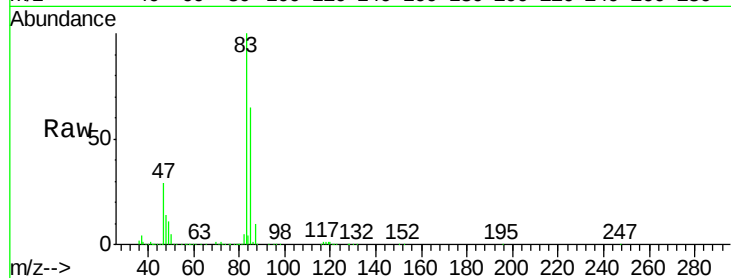
#29
Chloroform
Concen: 8.799 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

Tot Ion	83	Resp	1849591
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	54.3	81.5

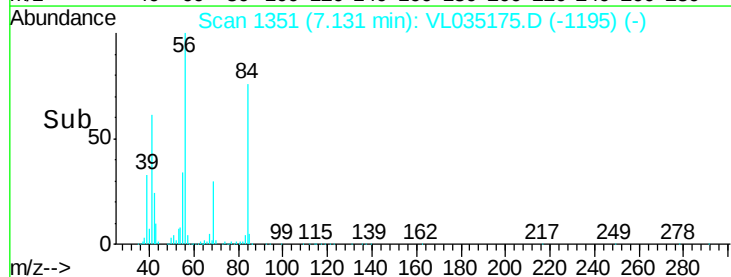
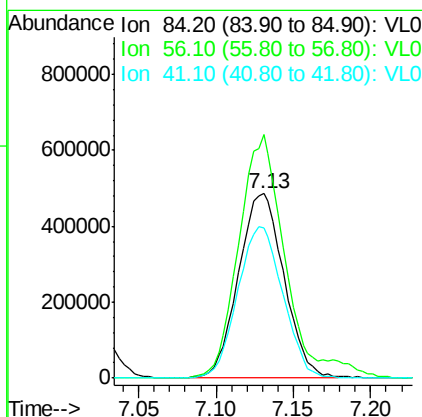
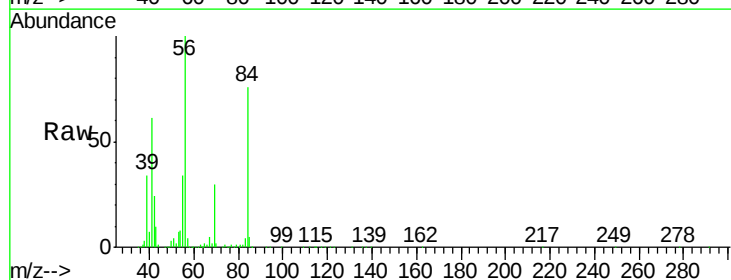
Manual Integrations
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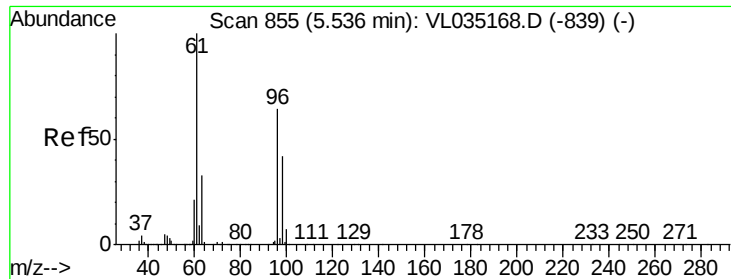
MMDadoda
7/9/2020 12:02:41 PM



#30
Cyclohexane
Concen: 10.713 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion	84	Resp	993834
Ion Ratio	100	Lower	Upper
84	100		
56	135.4	105.6	158.4
41	81.6	64.9	97.3





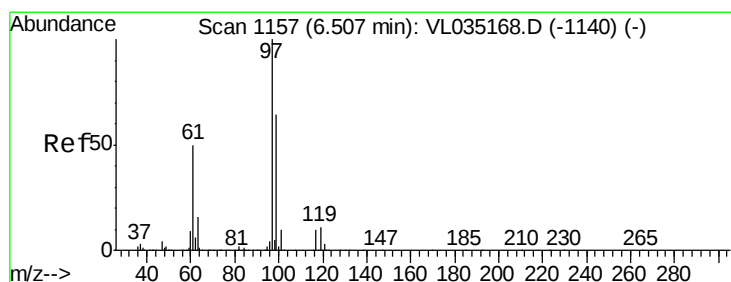
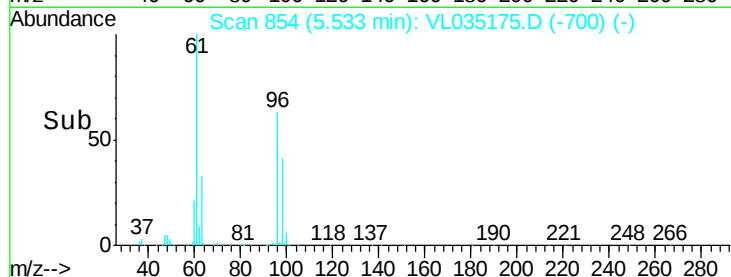
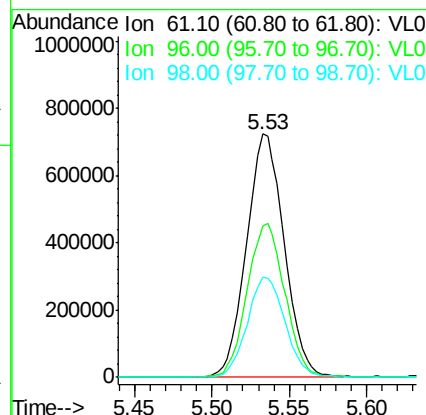
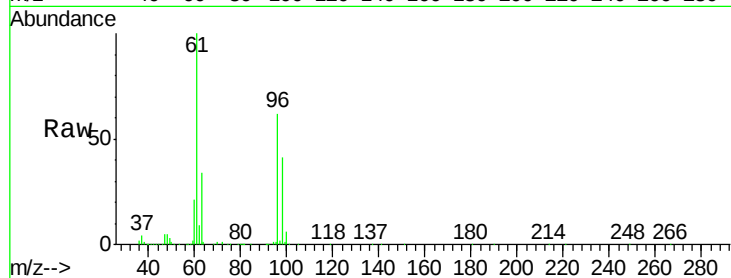
#31
 cis-1,2-Dichloroethene
 Concen: 10.351 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070820

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.4	51.3	76.9
98	41.3	33.8	50.8

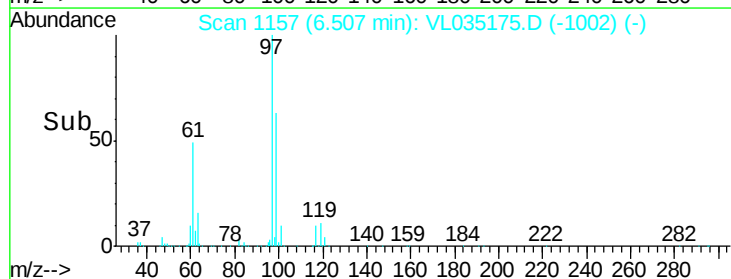
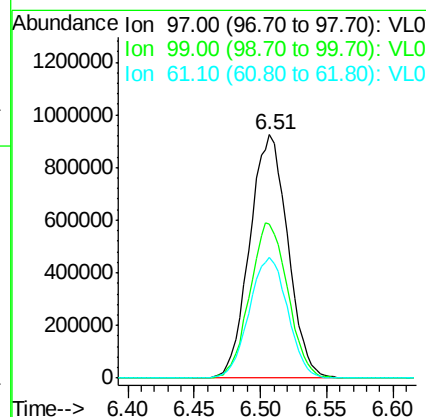
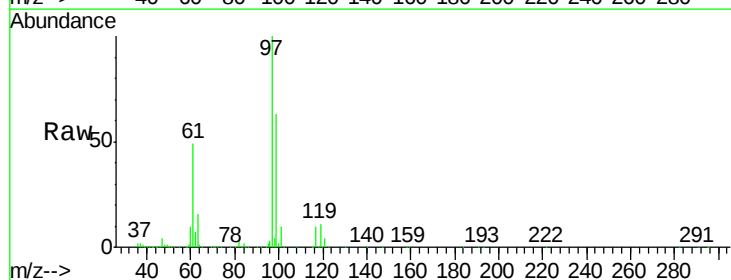
Manual Integrations
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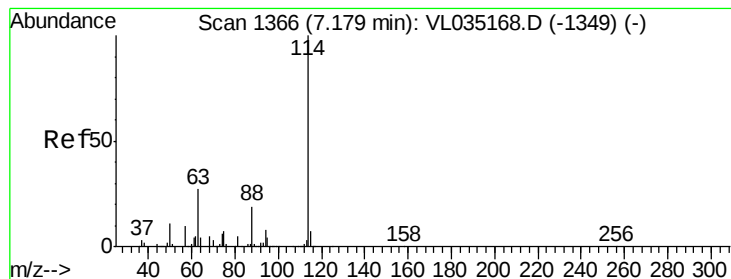
MMDadoda
 7/9/2020 12:02:41 PM



#32
 1,1,1-Trichloroethane
 Concen: 8.771 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.2	76.8
61	50.2	40.9	61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion:114 Resp: 3217417

Ion Ratio Lower Upper

114 100

63 27.1 22.0 33.0

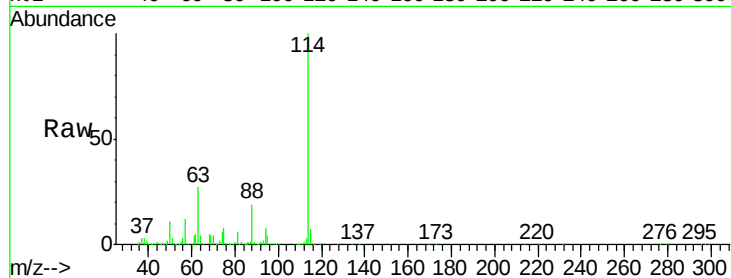
88 19.3 15.4 23.0

Manual Integrations

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MMDadoda

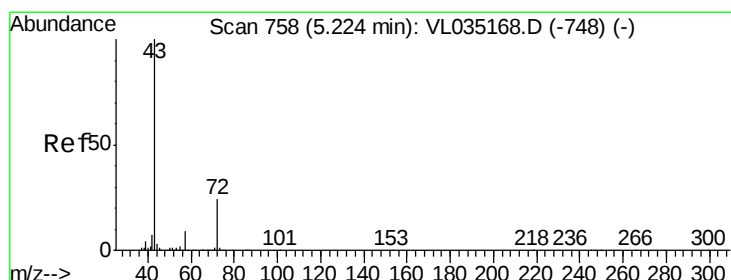
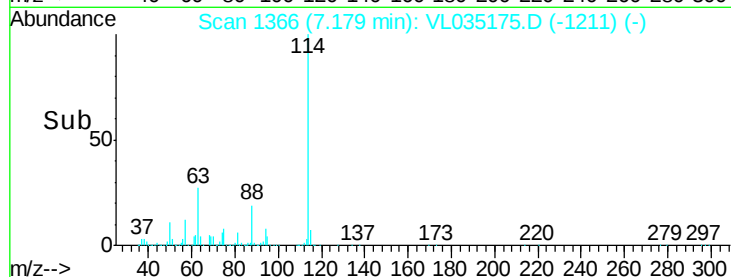
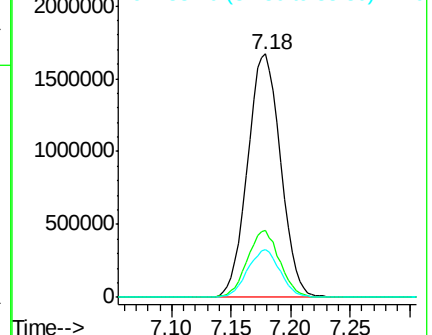
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.988 ppbv

RT: 5.22 min Scan# 758

Delta R.T. -0.00 min

Lab File: VL035175.D

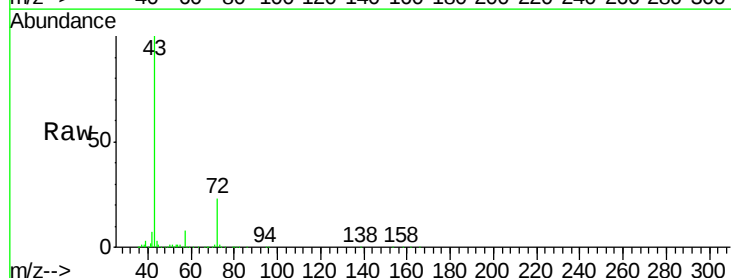
Acq: 8 Jul 2020 7:45

Tgt Ion: 43 Resp: 1715293

Ion Ratio Lower Upper

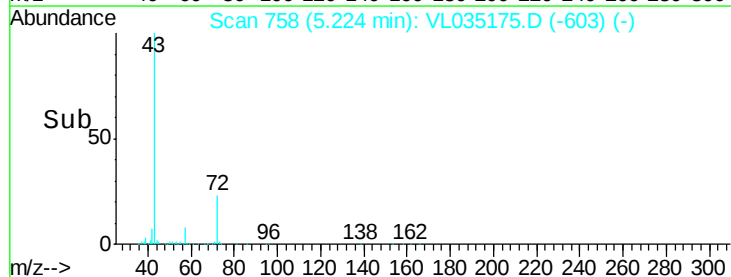
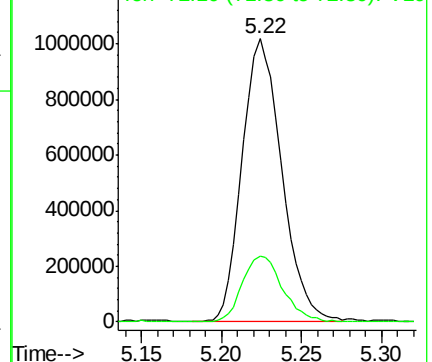
43 100

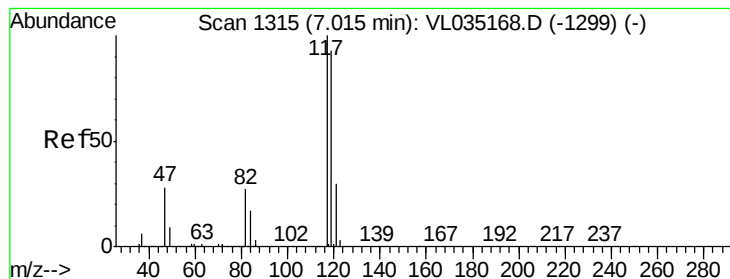
72 23.9 18.6 28.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.075 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion:117 Resp: 1895306

Ion Ratio Lower Upper

117 100

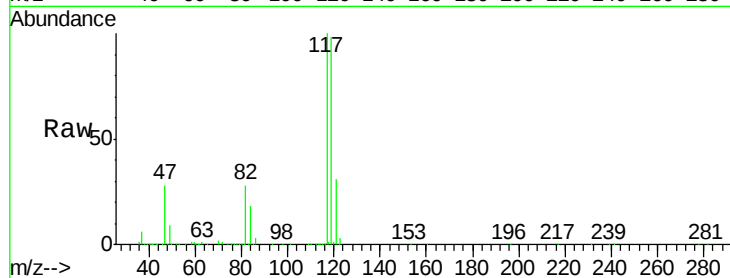
119 97.7 74.8 112.2

121 31.3 24.2 36.2

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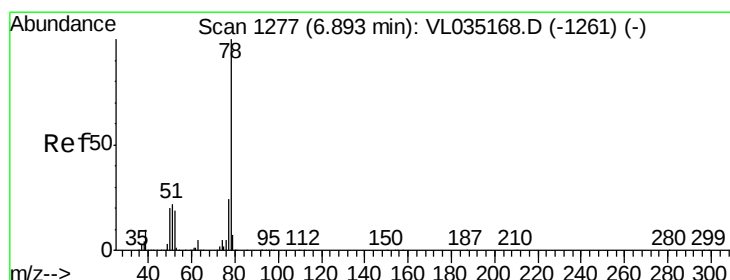
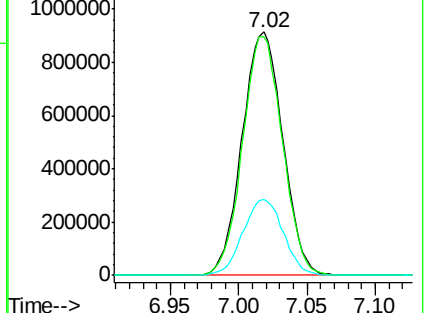
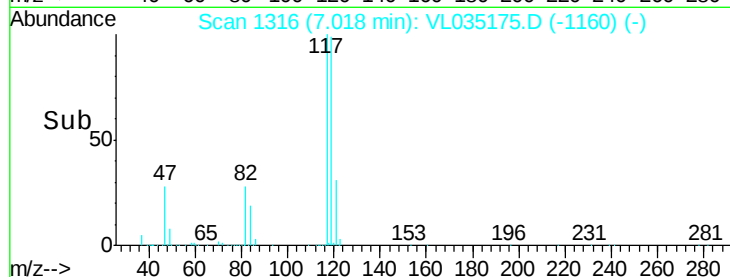
7/9/2020 12:02:41 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.198 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

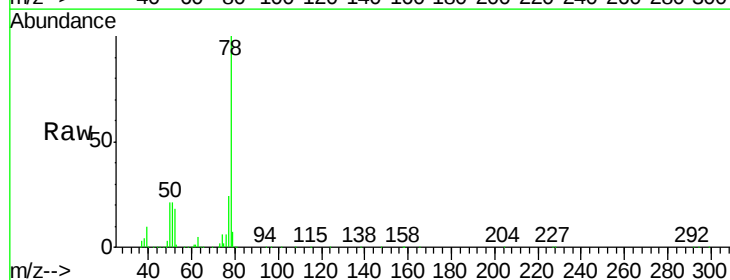
Tgt Ion: 78 Resp: 2374635

Ion Ratio Lower Upper

78 100

77 24.0 19.3 28.9

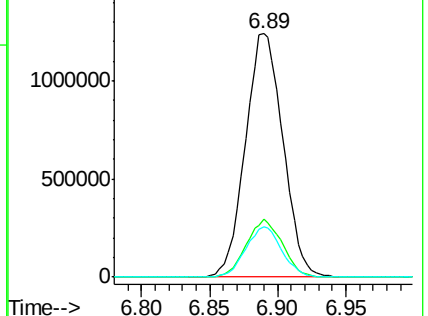
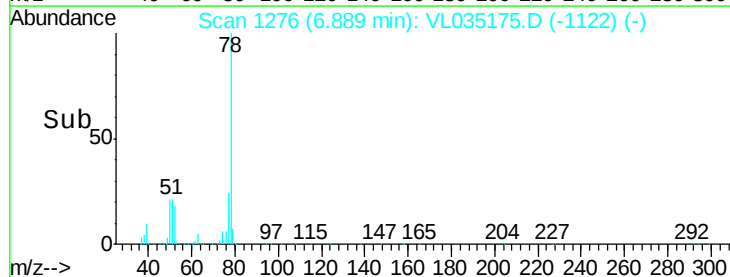
50 20.9 16.0 24.0

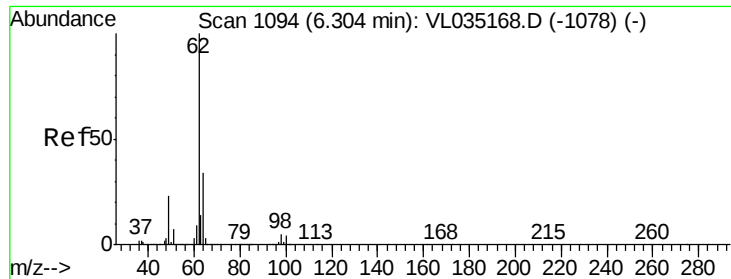


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





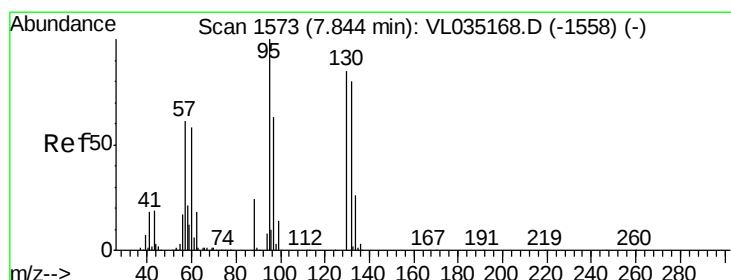
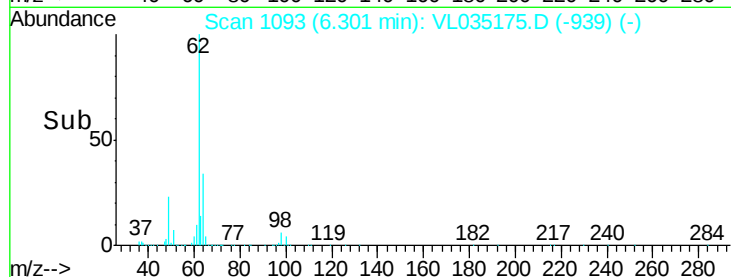
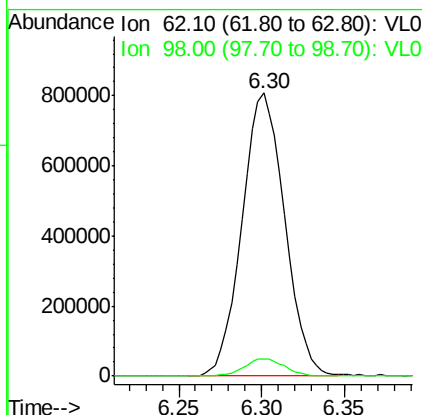
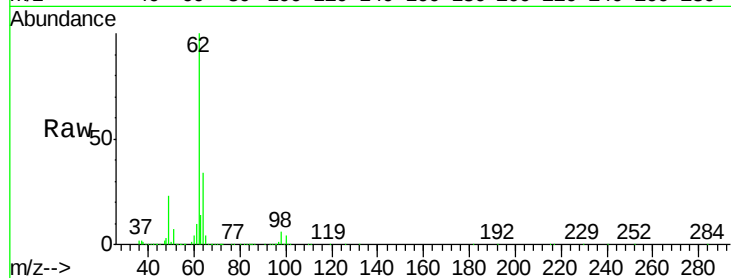
#37
 1,2-Dichloroethane
 Concen: 9.270 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070820

Tot Ion: 62 Resp: 1448614
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.6 6.8

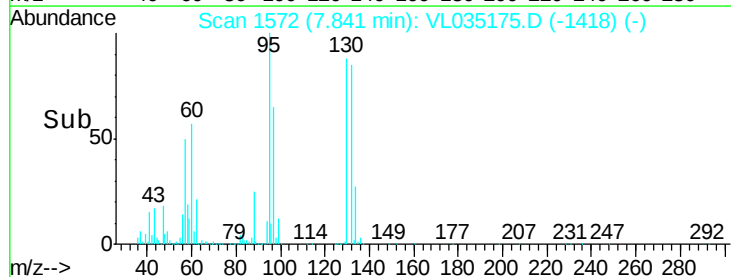
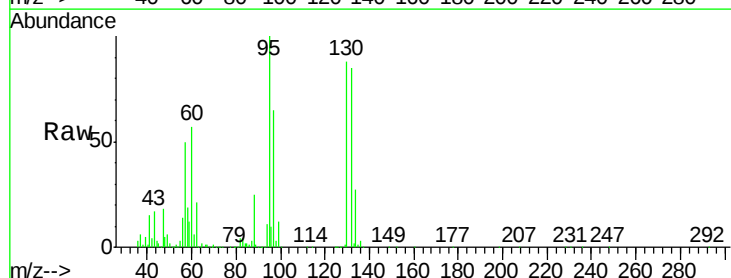
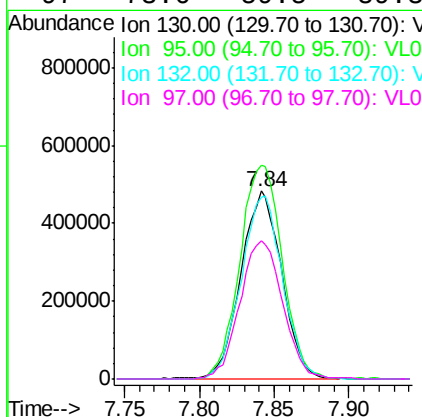
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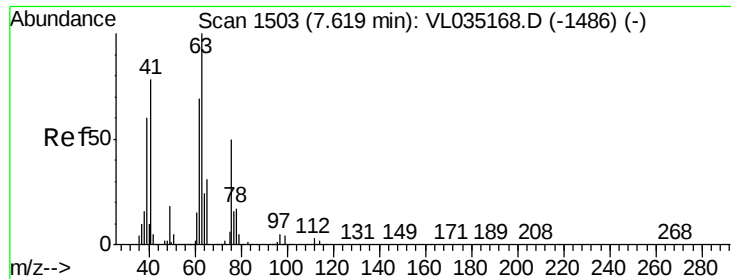
MMDadoda
 7/9/2020 12:02:41 PM



#38
 Trichloroethene
 Concen: 9.604 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Tgt Ion:130 Resp: 911251
 Ion Ratio Lower Upper
 130 100
 95 114.0 93.8 140.8
 132 96.8 75.0 112.4
 97 73.6 59.5 89.3





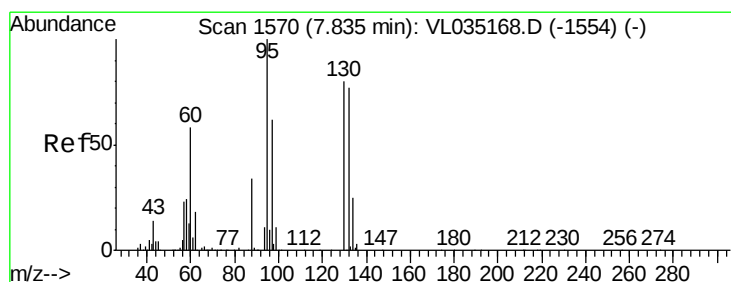
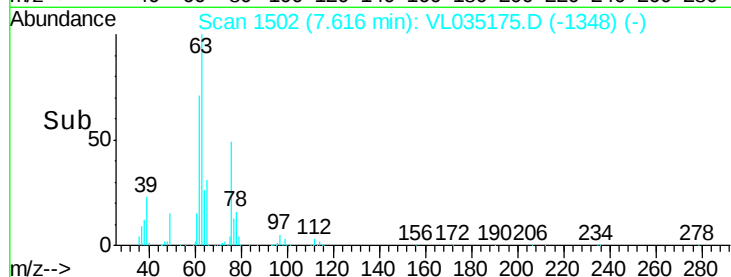
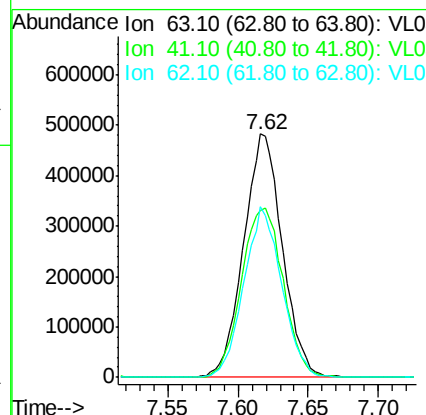
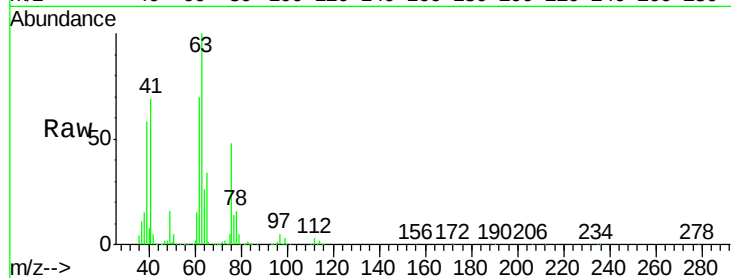
#39
 1,2-Dichloropropane
 Concen: 10.025 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070820

Tot Ion:	63	Resp:	928387
Ion Ratio	Lower	Upper	
63	100		
41	68.4	62.6	94.0
62	70.0	55.0	82.6

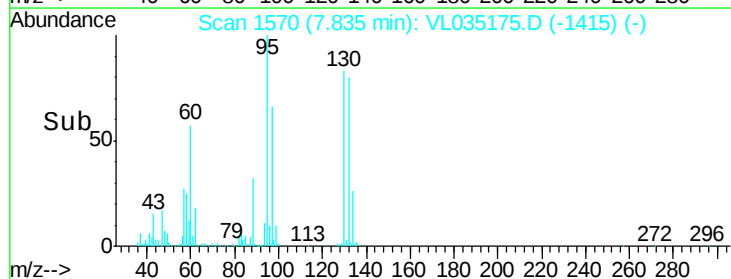
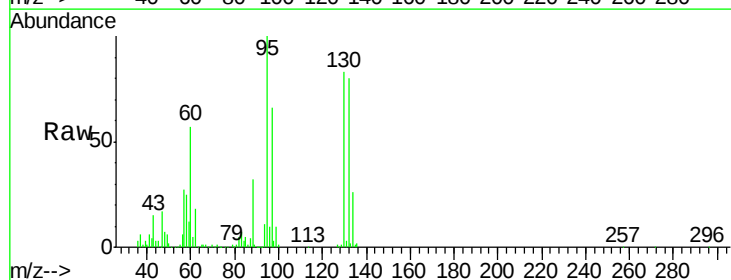
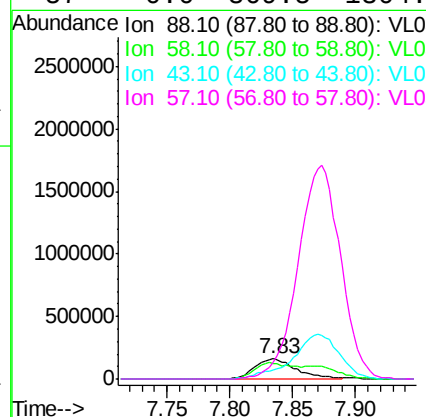
Manual Integrations
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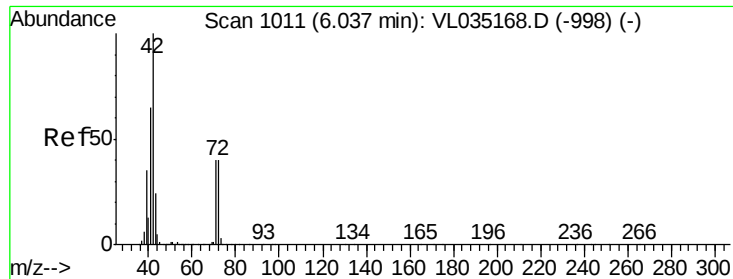
MMDadoda
 7/9/2020 12:02:41 PM



#40
 1,4-Dioxane
 Concen: 10.104 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Tgt Ion:	88	Resp:	372503
Ion Ratio	Lower	Upper	
88	100		
58	129.5	100.2	150.4
43	0.0	199.8	299.8#
57	0.0	869.5	1304.3#





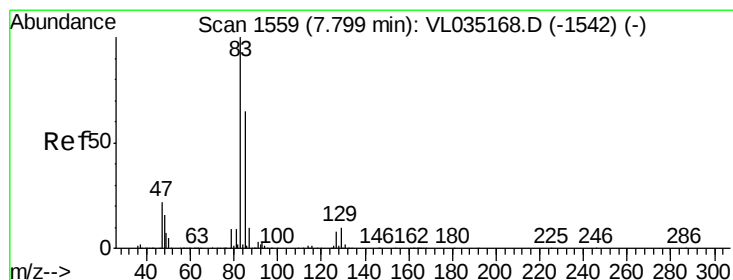
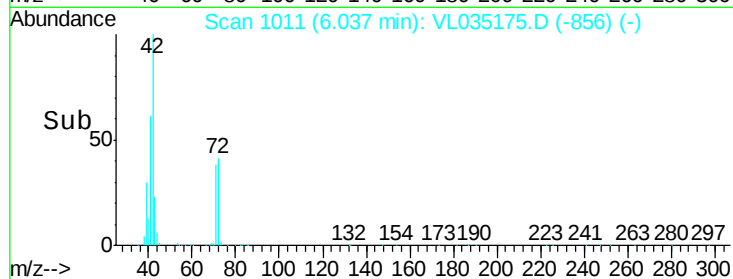
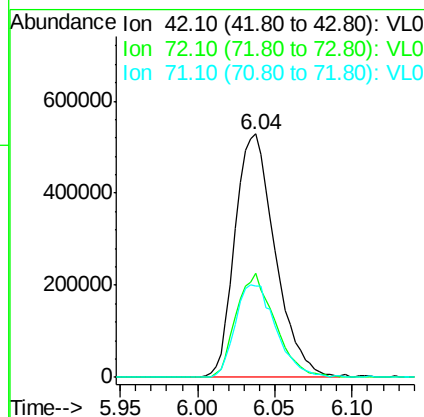
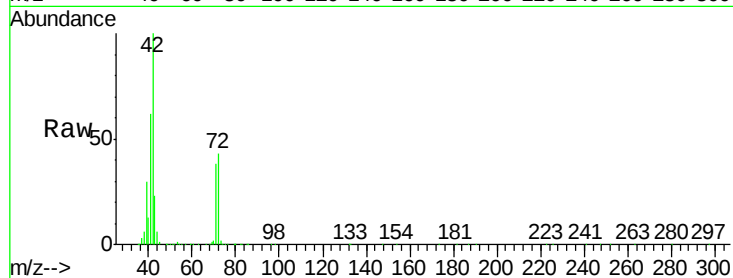
#41
Tetrahydrofuran
Concen: 11.070 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.4	50.2
71	38.9	31.9	47.9

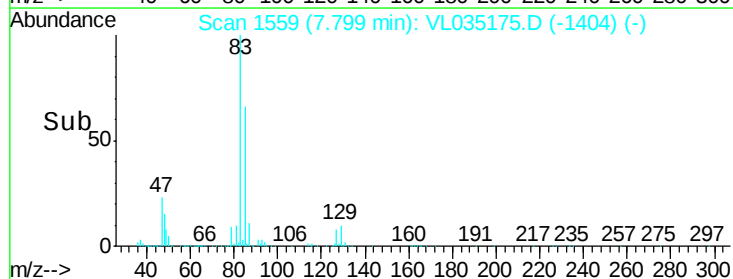
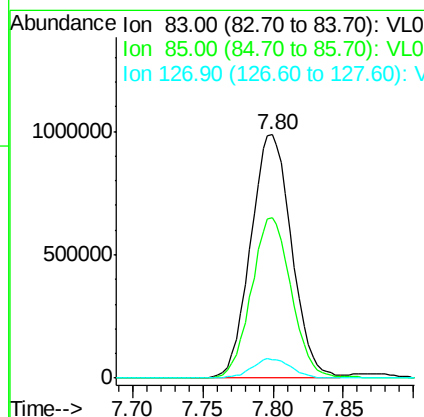
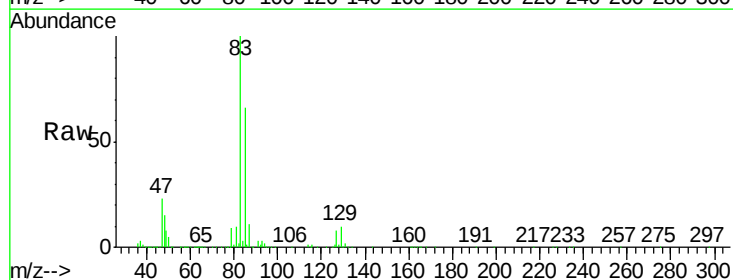
Manual Integrations
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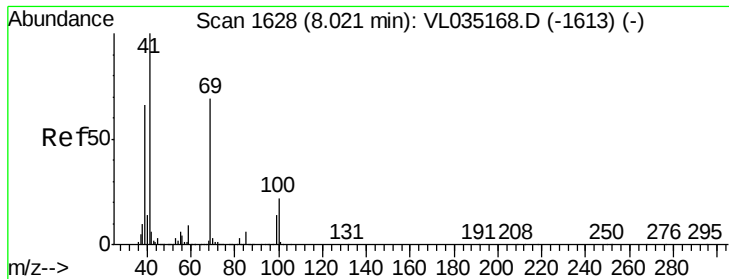
MMDadoda
7/9/2020 12:02:41 PM



#42
Bromodichloromethane
Concen: 9.593 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.2	78.4
127	7.6	6.3	9.5





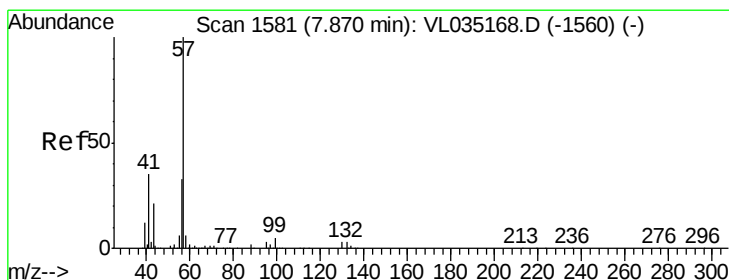
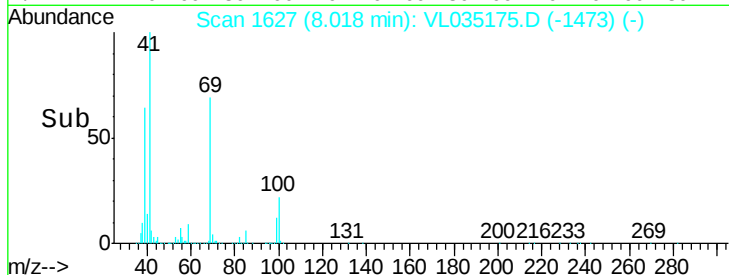
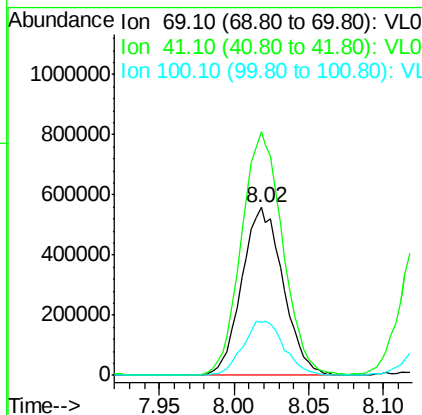
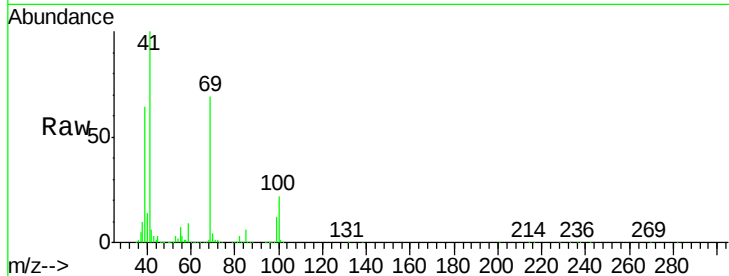
#43
Methvl Methacrilate
Concen: 10.900 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

Tot Ion: 69 Resp: 1072959
Ion Ratio Lower Upper
69 100
41 144.8 116.3 174.5
100 32.3 25.6 38.4

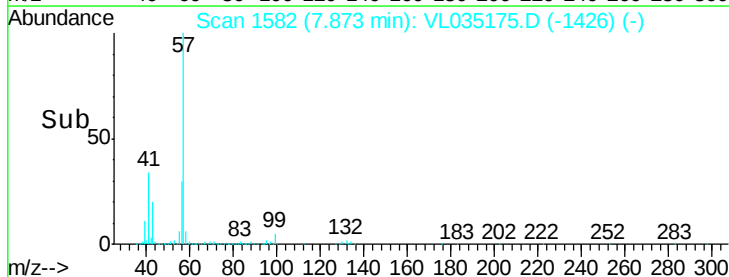
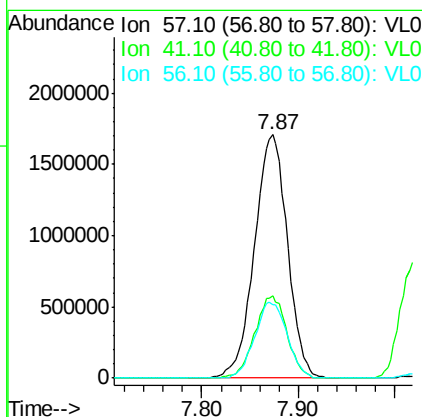
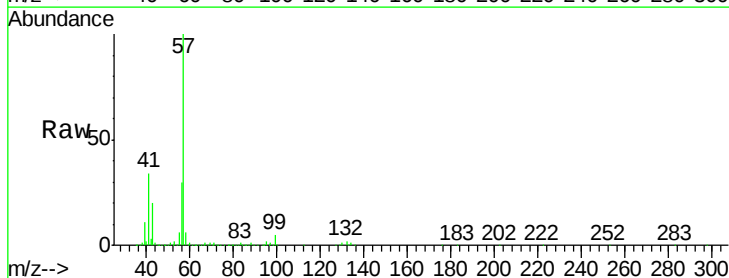
Manual Integrations
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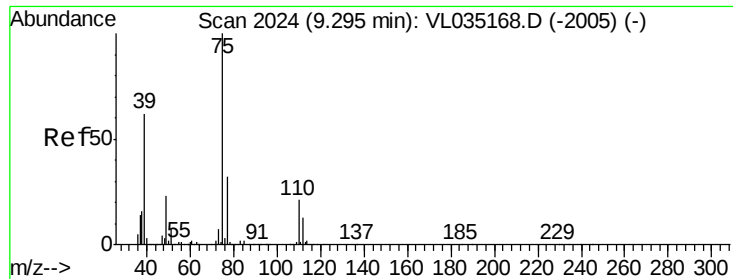
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 10.053 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion: 57 Resp: 4040828
Ion Ratio Lower Upper
57 100
41 32.9 27.0 40.6
56 30.8 25.5 38.3





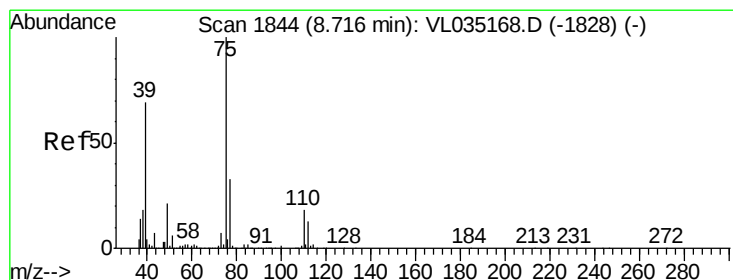
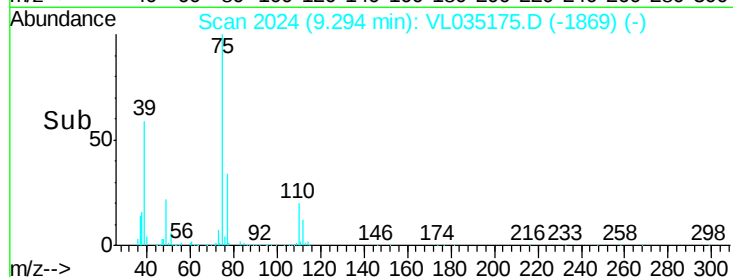
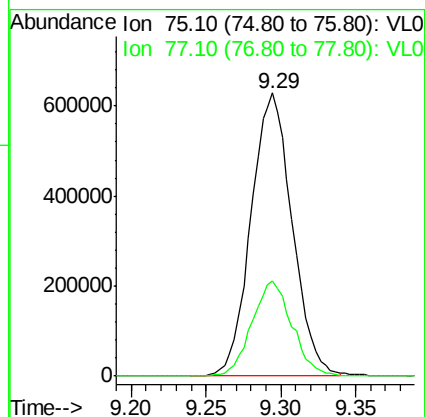
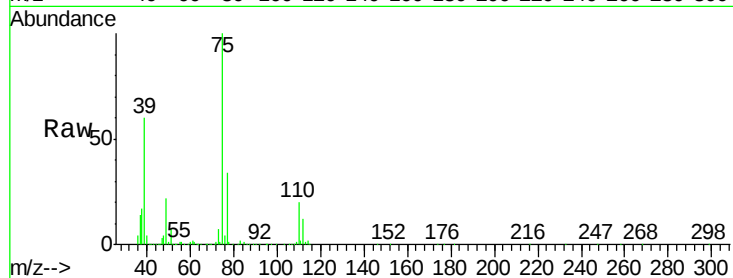
#45
t-1,3-Dichloropropene
Concen: 11.623 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

Tot Ion: 75 Resp: 1202054
Ion Ratio Lower Upper
75 100
77 33.8 25.8 38.8

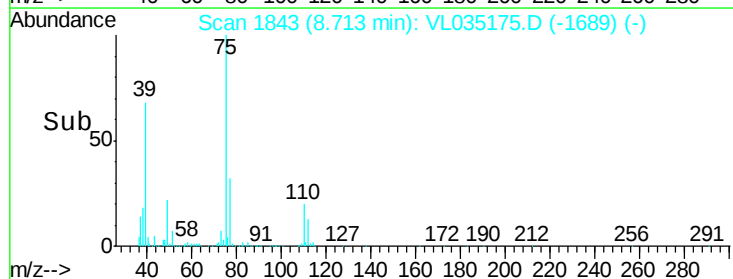
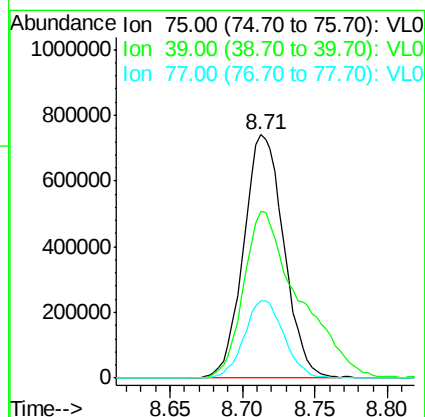
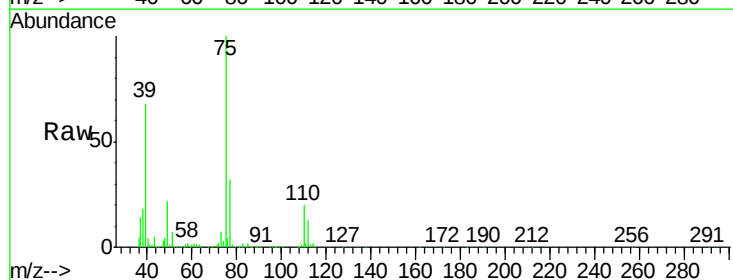
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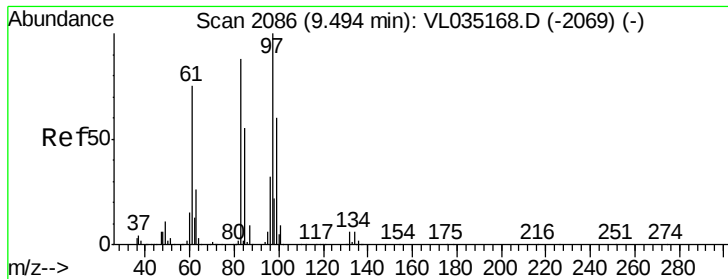
MMDadoda
7/9/2020 12:02:41 PM



#46
cis-1,3-Dichloropropene
Concen: 11.671 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion: 75 Resp: 1430942
Ion Ratio Lower Upper
75 100
39 68.1 55.2 82.8
77 31.9 26.0 39.0





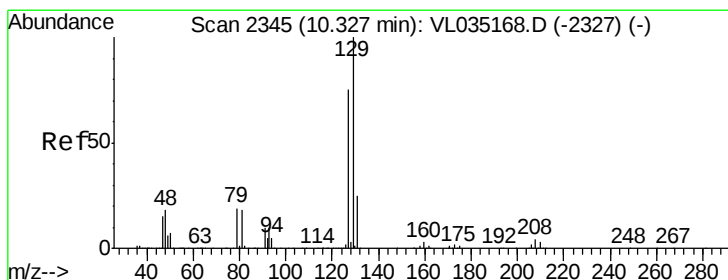
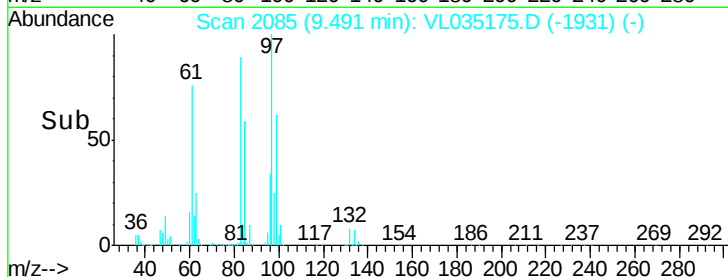
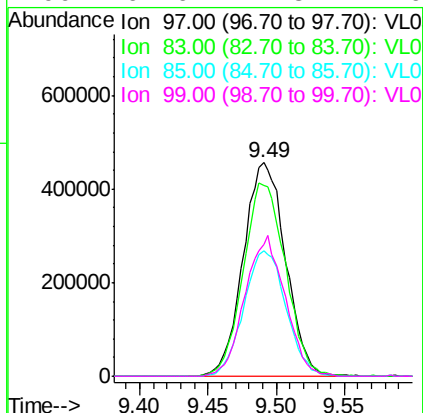
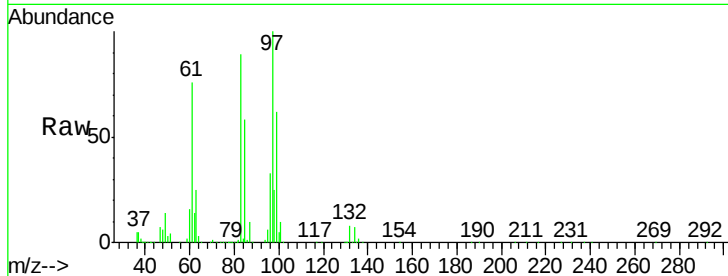
#47
 1,1,2-Trichloroethane
 Concen: 9.685 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070820

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		981764		
83	89.2	70.3	105.5		
85	58.5	44.3	66.5		
99	61.6	47.8	71.6		

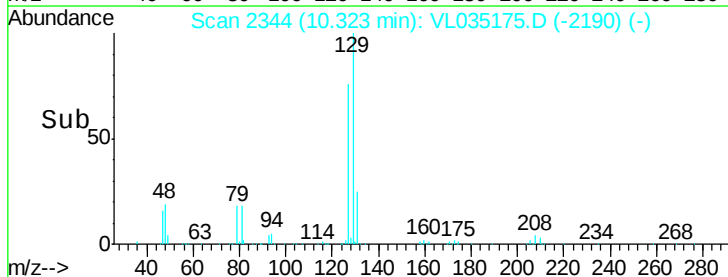
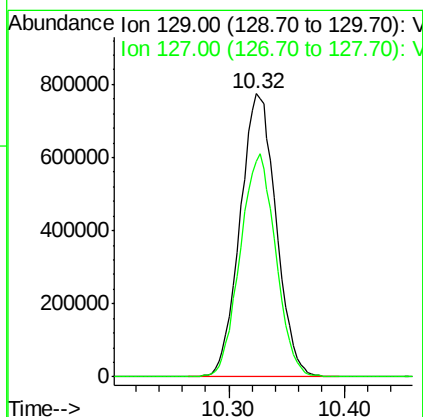
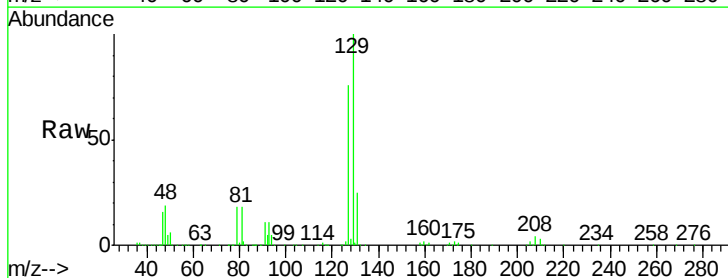
Manual Integrations
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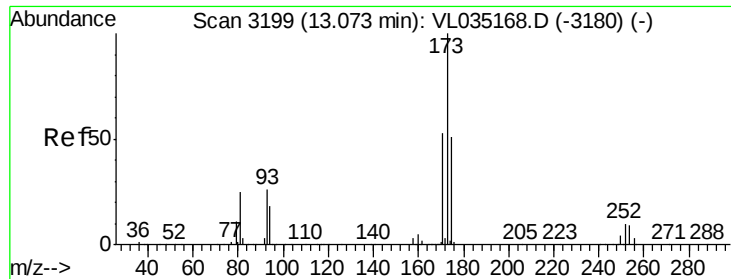
MMDadoda
 7/9/2020 12:02:41 PM



#48
 Dibromochloromethane
 Concen: 10.121 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1669219		
127	77.8	38.8	116.3		





#49

Bromoform

Concen: 9.924 ppbv m

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion:173 Resp: 1431824

Ion Ratio Lower Upper

173 100

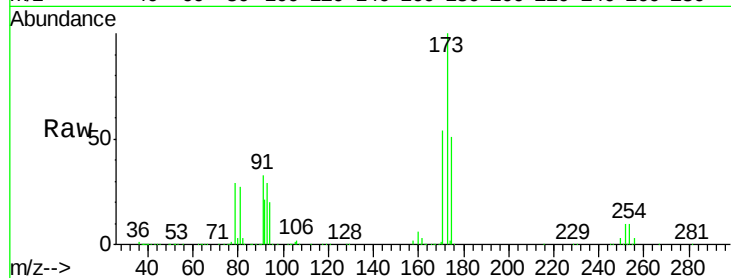
175 49.8 39.7 59.5

171 0.0 41.6 62.4#

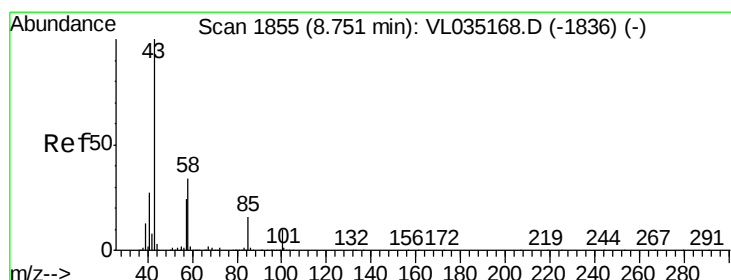
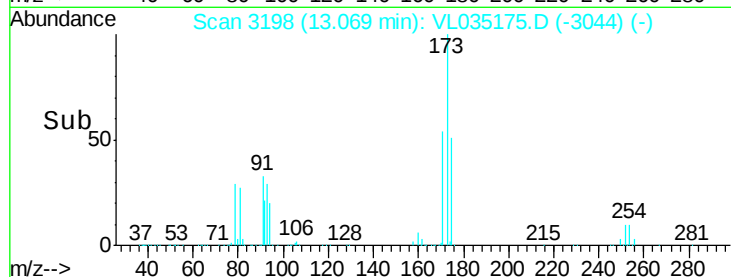
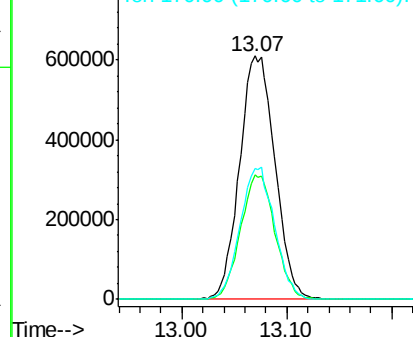
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.058 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL035175.D

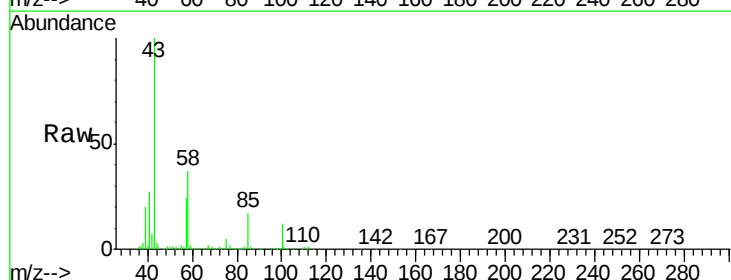
Acq: 8 Jul 2020 7:45

Tgt Ion: 43 Resp: 2478880

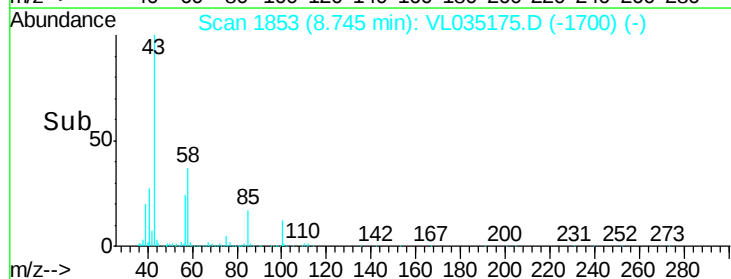
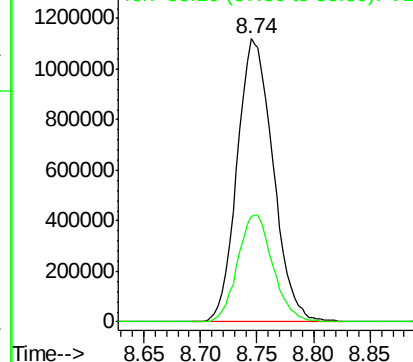
Ion Ratio Lower Upper

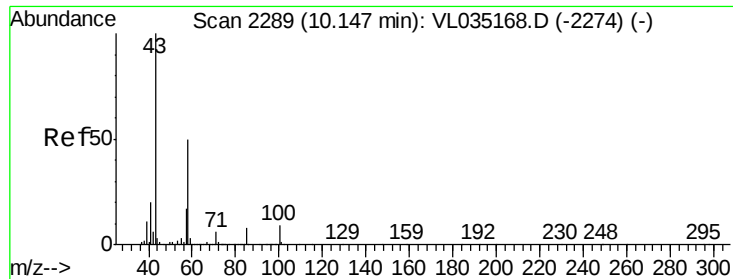
43 100

58 37.1 29.4 44.2



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





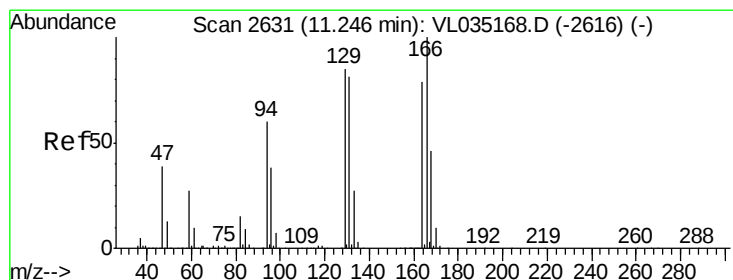
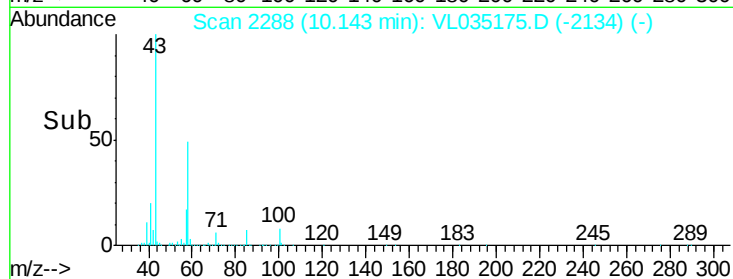
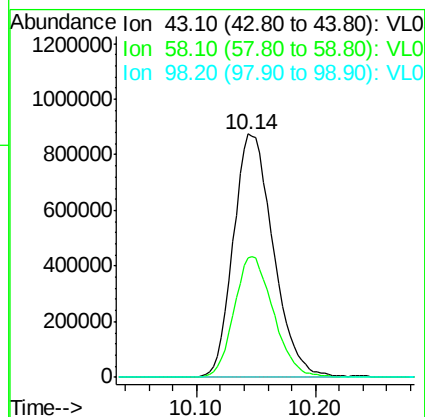
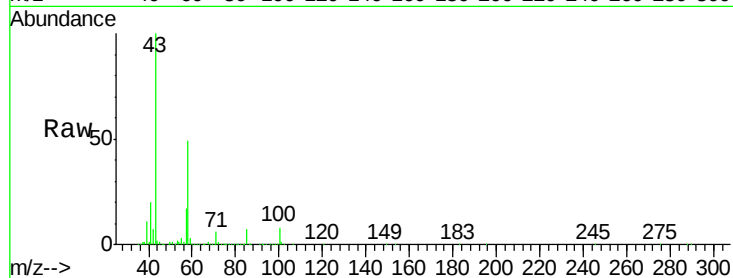
#51
2-Hexanone
Concen: 10.843 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

Tot Ion: 43 Resp: 2037813
Ion Ratio Lower Upper
43 100
58 48.7 39.4 59.0
98 0.2 0.3 0.5#

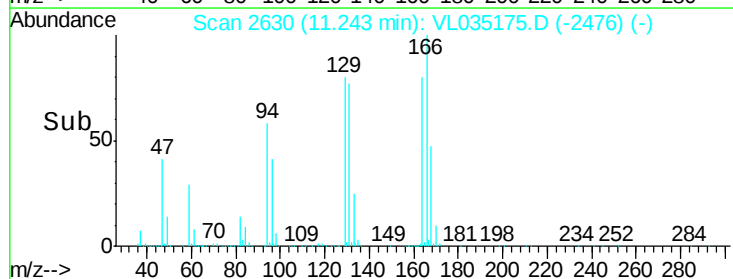
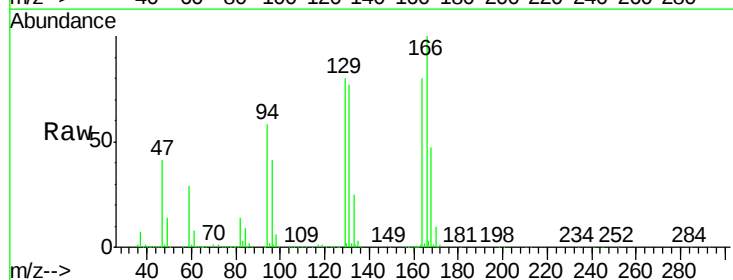
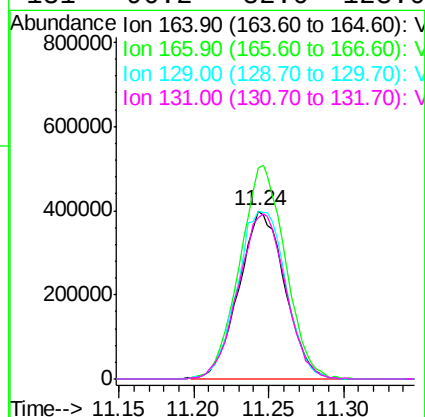
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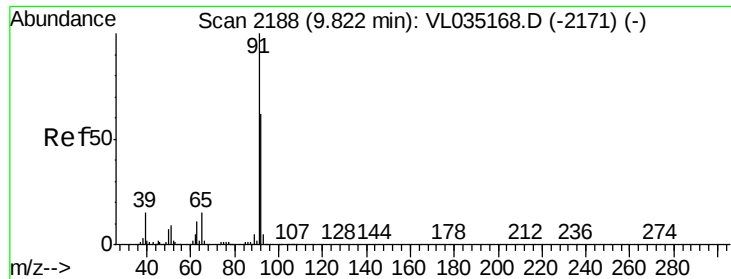
MMDadoda
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#52
Tetrachloroethene
Concen: 9.760 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion: 164 Resp: 848873
Ion Ratio Lower Upper
164 100
166 125.3 100.7 151.1
129 99.7 85.8 128.6
131 96.2 82.0 123.0





#53

Toluene

Concen: 11.127 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion: 91 Resp: 2734450

Ion Ratio Lower Upper

91 100

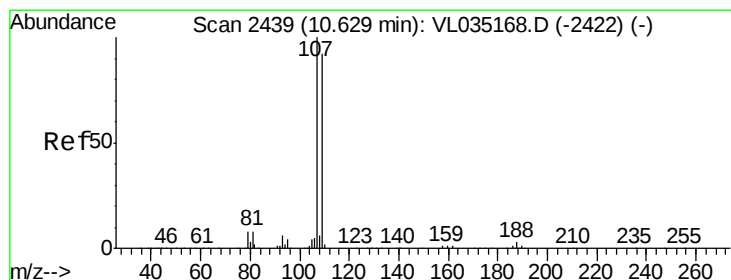
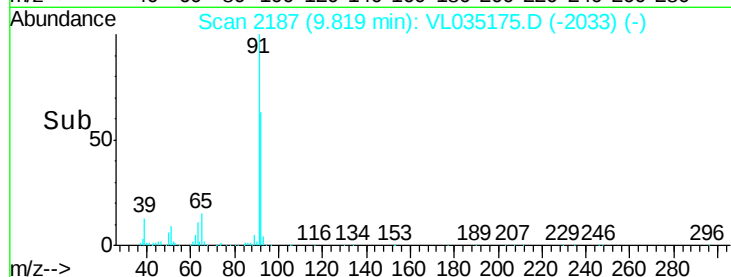
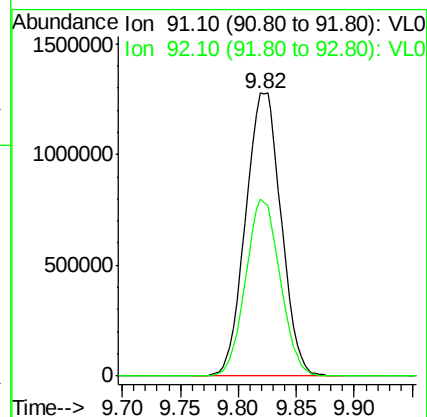
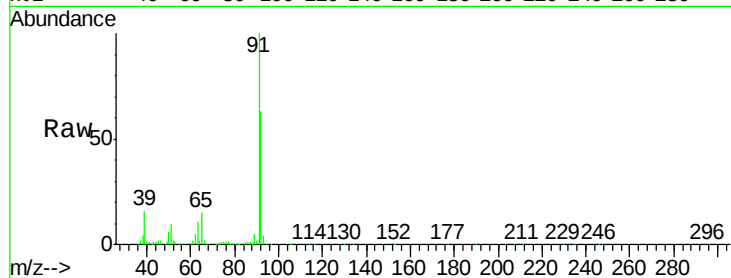
92 60.5 48.4 72.6

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.881 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.00 min

Lab File: VL035175.D

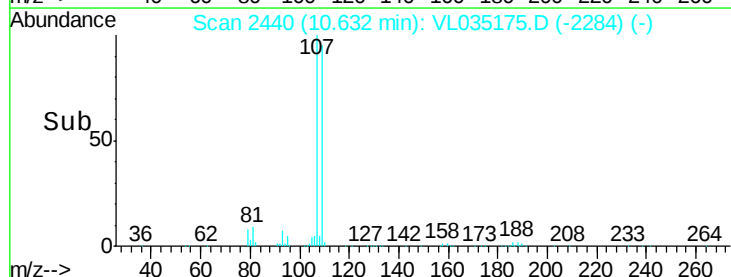
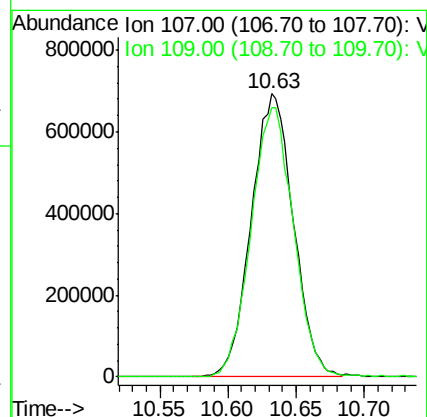
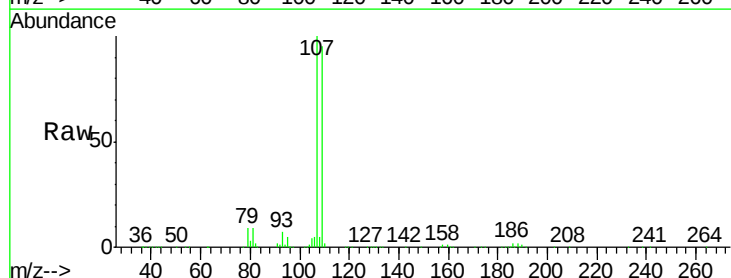
Acq: 8 Jul 2020 7:45

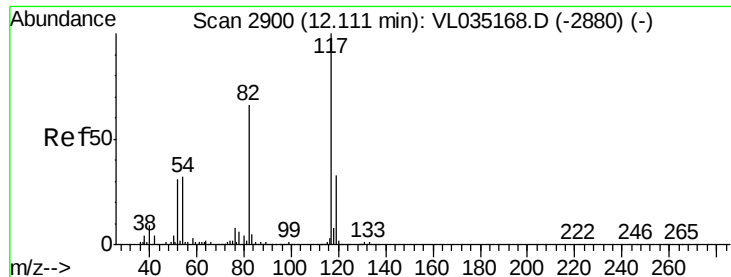
Tgt Ion: 107 Resp: 1486342

Ion Ratio Lower Upper

107 100

109 95.1 74.0 111.0





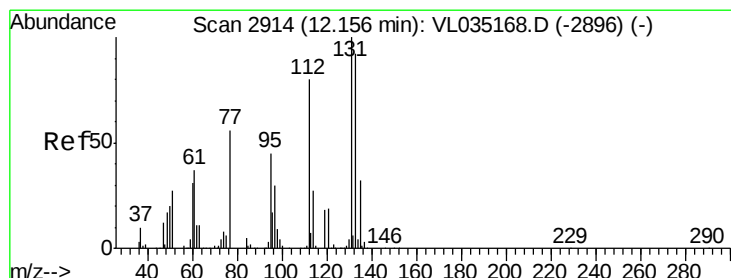
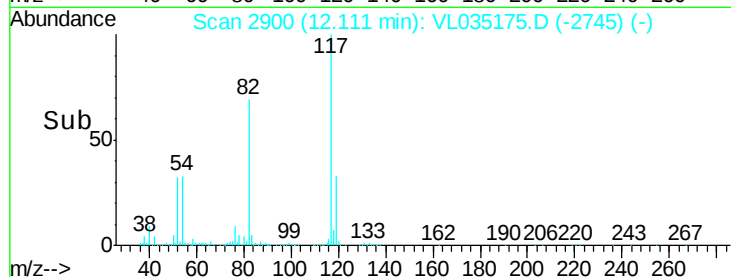
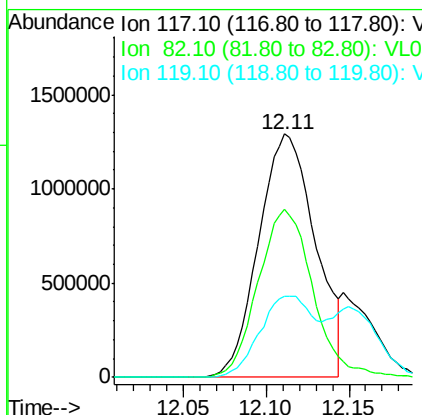
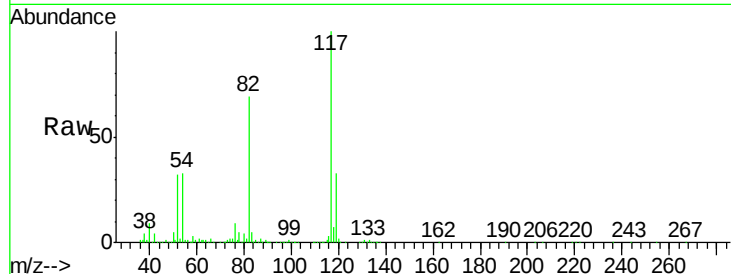
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.1	52.3	78.5
119	56.9	24.9	37.3

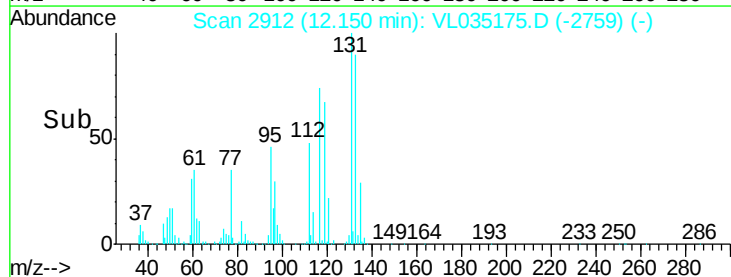
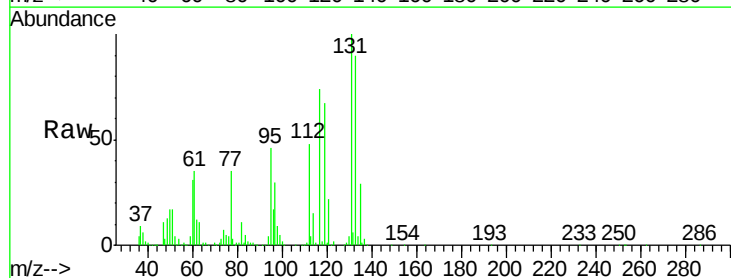
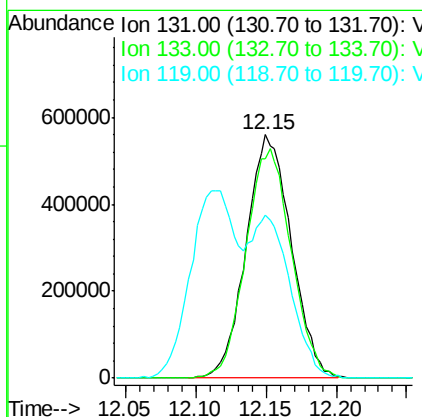
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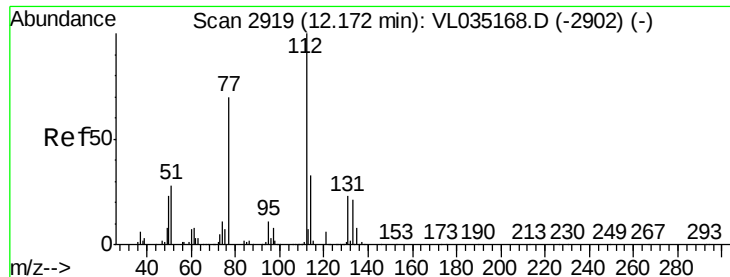
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.171 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	75.4	113.2
119	55.5	42.4	63.6





#57

Chlorobenzene

Concen: 9.105 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion: 112 Resp: 2064269

Ion Ratio Lower Upper

112 100

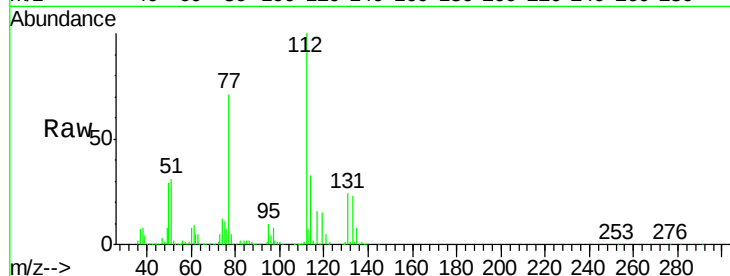
77 70.6 57.0 85.4

114 32.9 30.2 37.0

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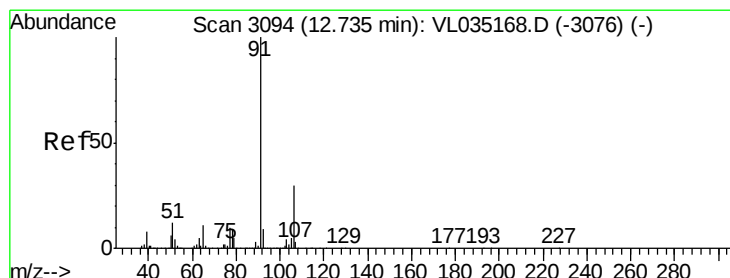
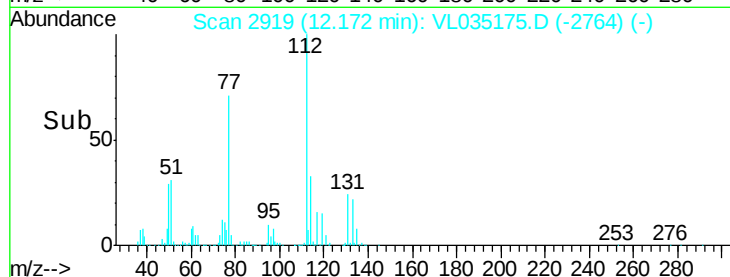
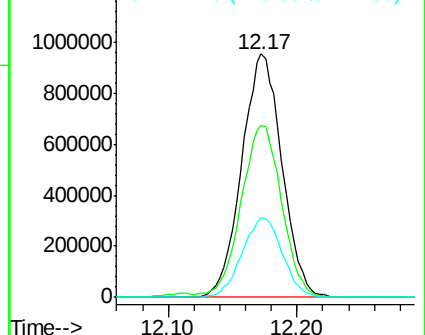
7/9/2020 12:02:41 PM



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: 10.720 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. 0.00 min

Lab File: VL035175.D

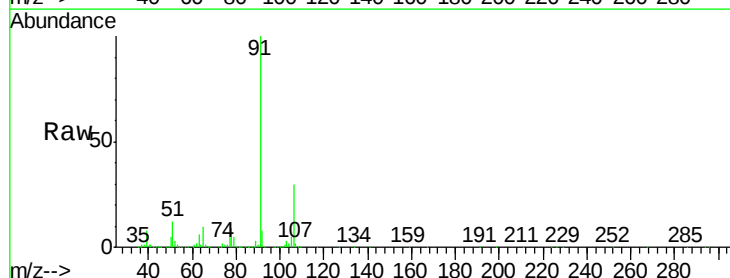
Acq: 8 Jul 2020 7:45

Tgt Ion: 91 Resp: 3644542

Ion Ratio Lower Upper

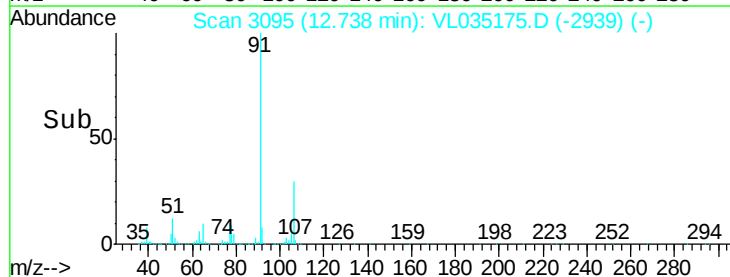
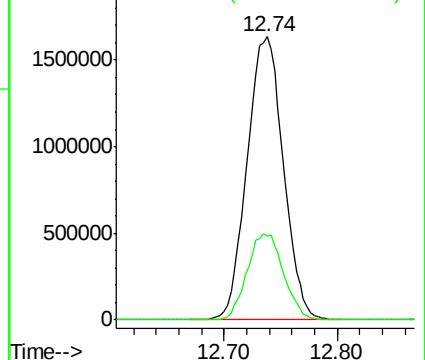
91 100

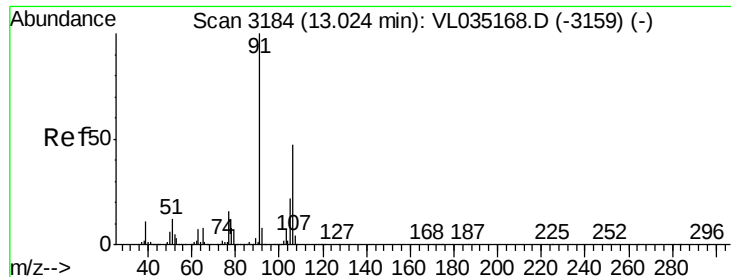
106 29.6 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





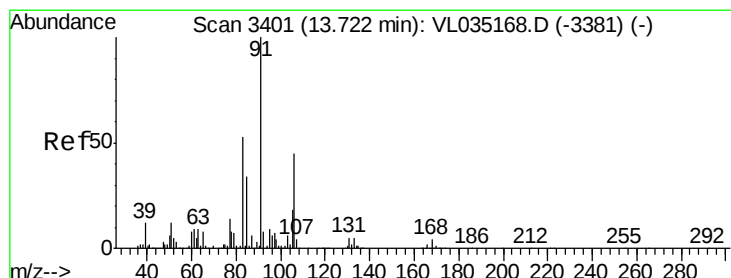
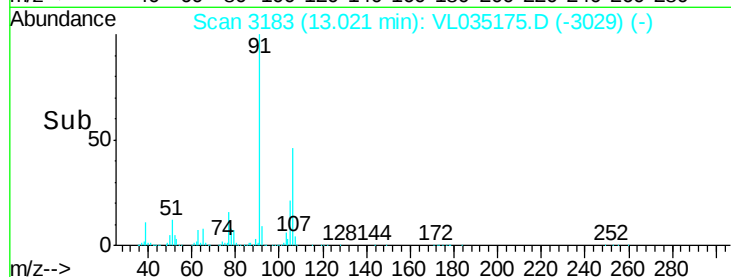
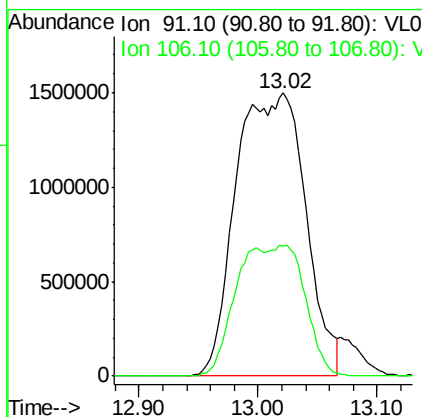
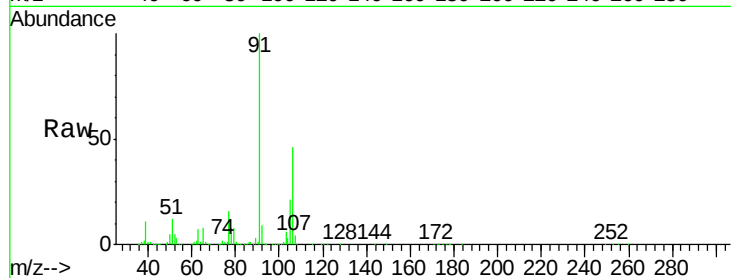
#59
m/p-Xylene
Concen: 19.968 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

Tot Ion: 91 Resp: 6050623
Ion Ratio Lower Upper
91 100
106 45.5 36.2 54.2

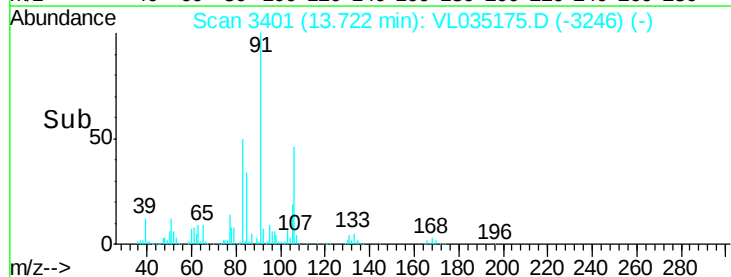
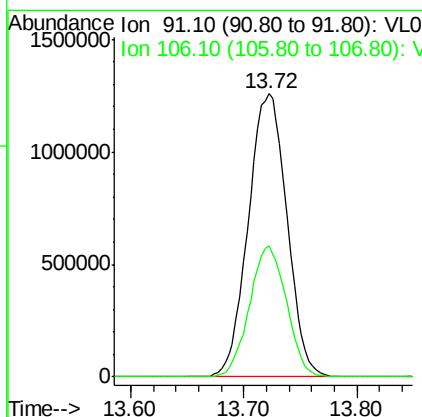
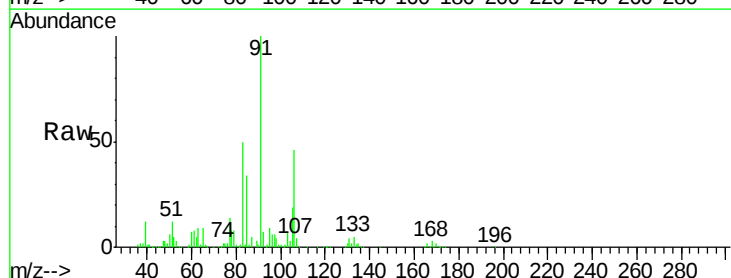
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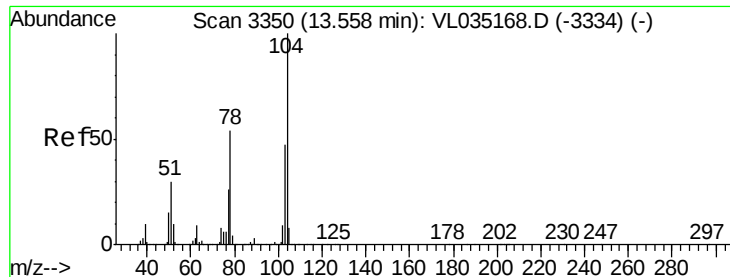
MMDadoda
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#60
o-Xylene
Concen: 9.872 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion: 91 Resp: 2984350
Ion Ratio Lower Upper
91 100
106 44.3 22.1 66.3





#61

Stvrene

Concen: 11.464 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion:104 Resp: 2141634

Ion Ratio Lower Upper

104 100

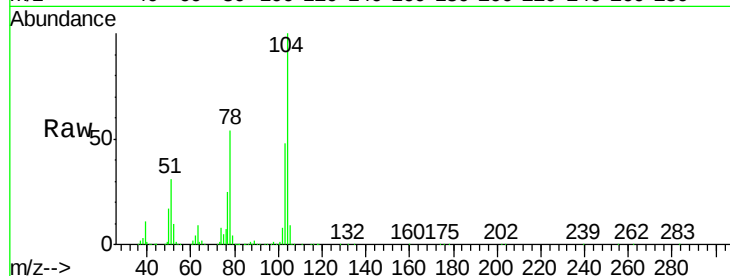
78 54.7 43.4 65.0

103 47.5 37.4 56.0

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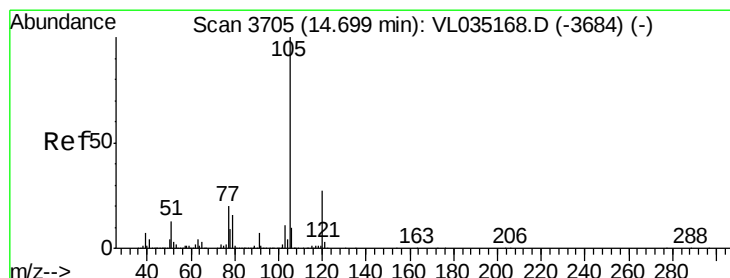
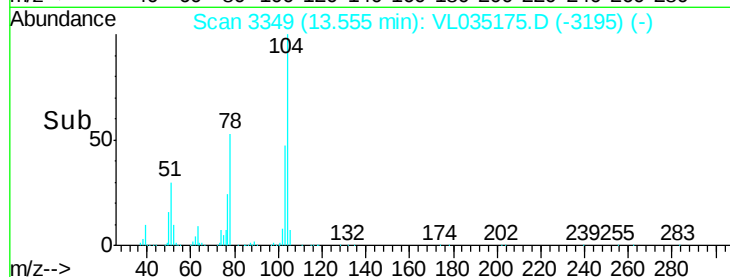
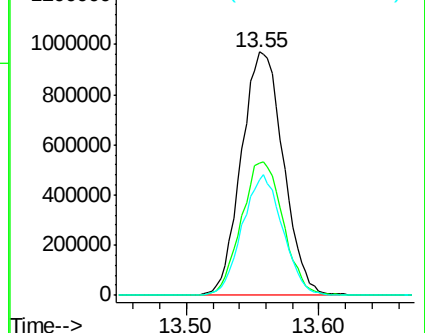
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.863 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. -0.00 min

Lab File: VL035175.D

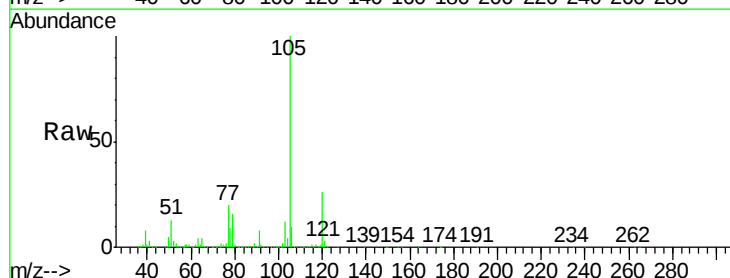
Acq: 8 Jul 2020 7:45

Tgt Ion:105 Resp: 4419835

Ion Ratio Lower Upper

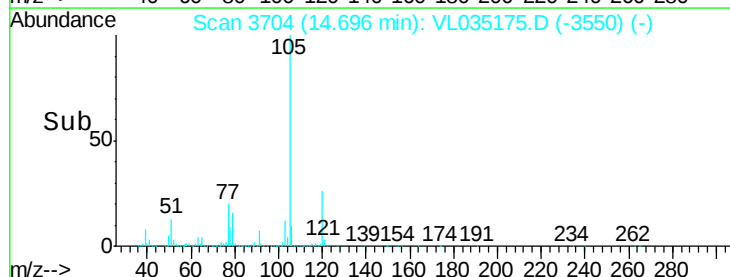
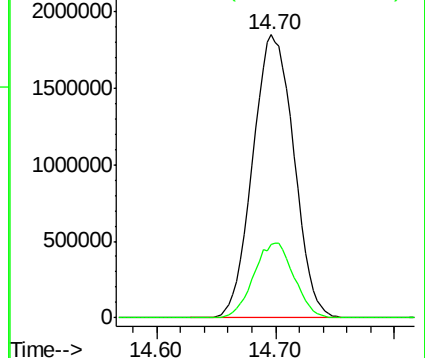
105 100

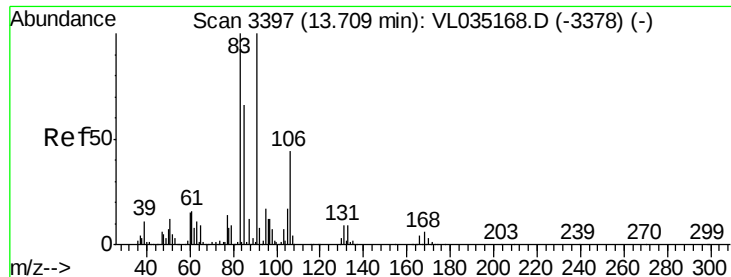
120 25.9 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





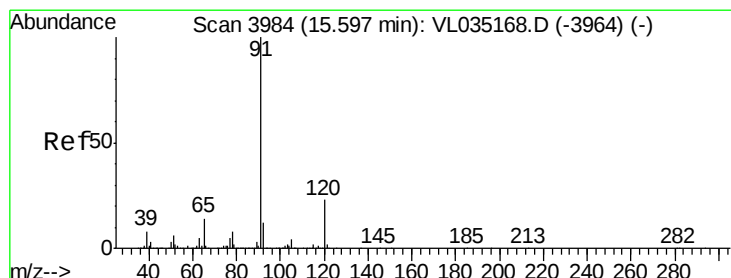
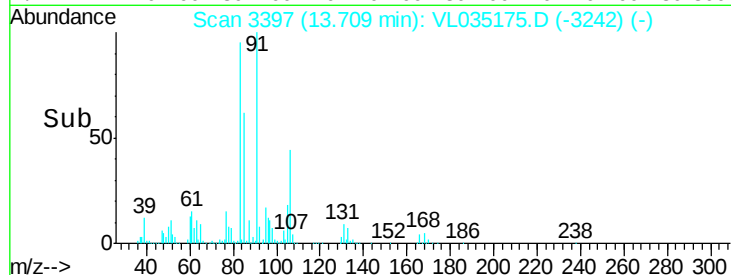
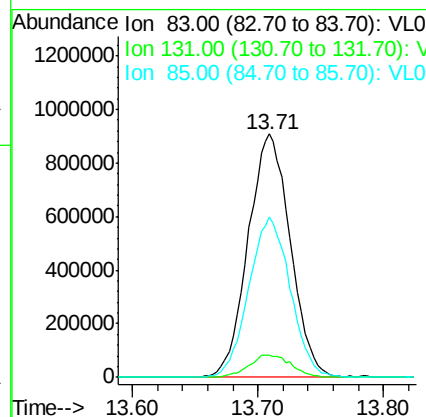
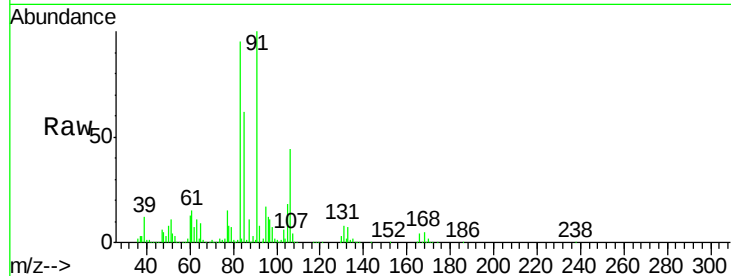
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.392 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070820

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	65.2	33.0	99.0

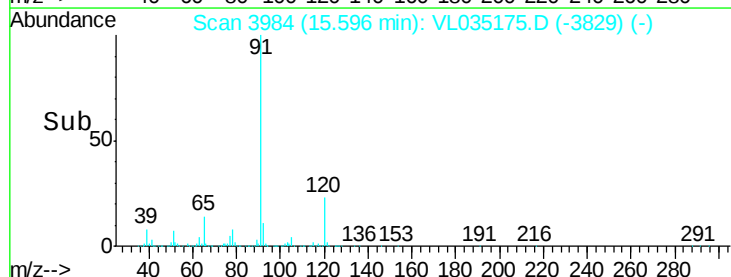
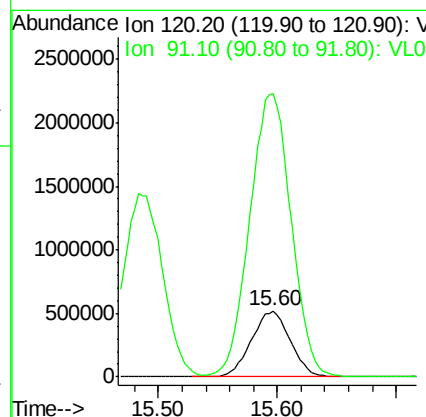
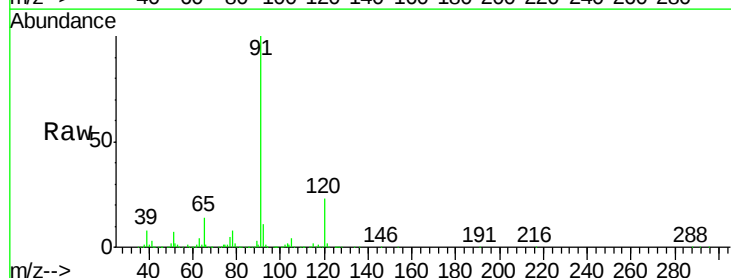
Manual Integrations
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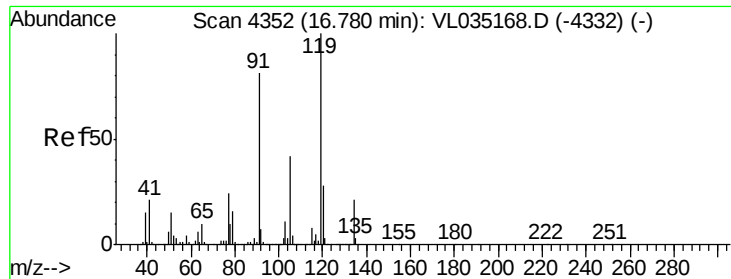
MMDadoda
 7/9/2020 12:02:41 PM



#64
 n-propylbenzene
 Concen: 10.125 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Tgt Ion	Ratio	Lower	Upper
120	100		
91	457.5	372.4	558.6





#65

tert-Butylbenzene

Concen: 9.726 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion:119 Resp: 3914236

Ion Ratio Lower Upper

119 100

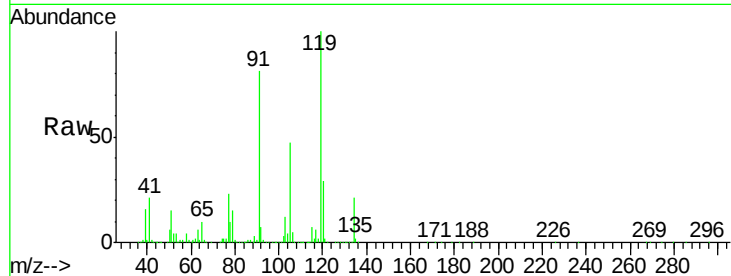
91 84.1 67.5 101.3

134 20.0 16.0 24.0

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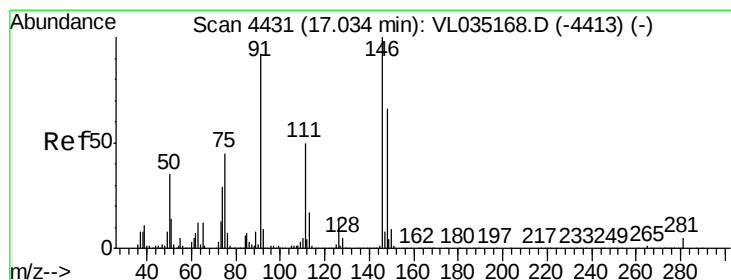
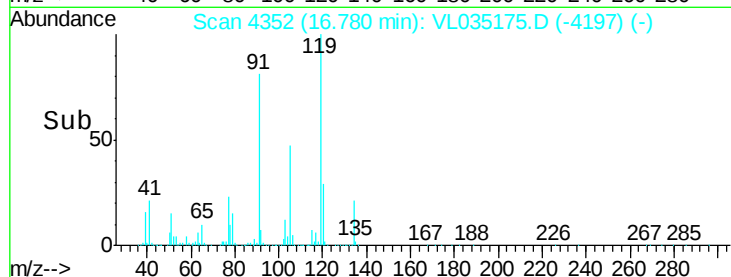
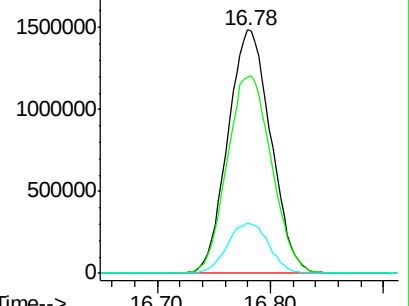
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.518 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.01 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

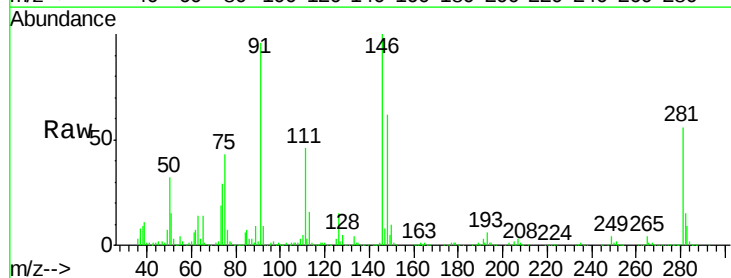
Tgt Ion: 91 Resp: 1508153

Ion Ratio Lower Upper

91 100

126 16.9 13.9 20.9

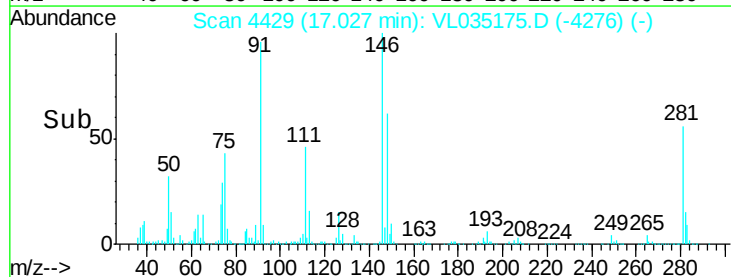
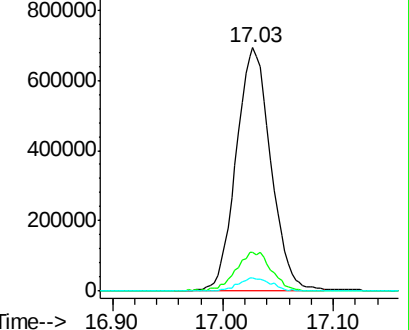
128 5.3 4.2 6.4

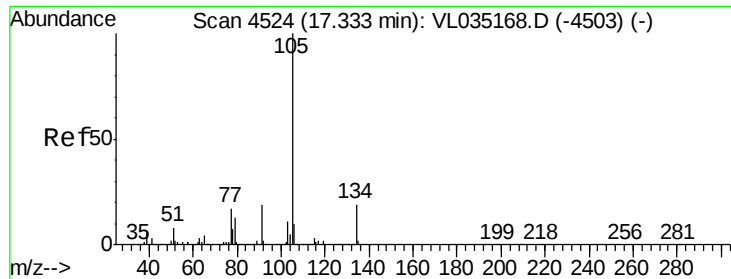


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





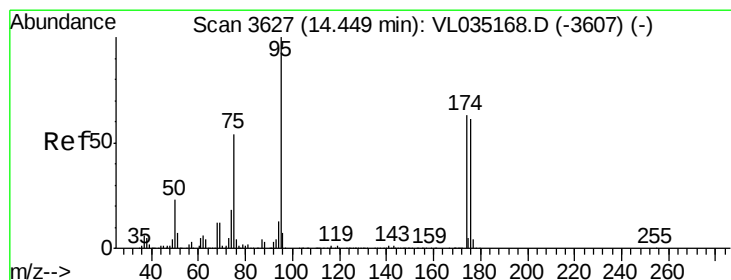
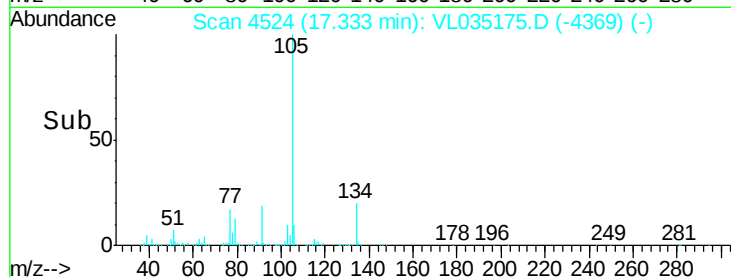
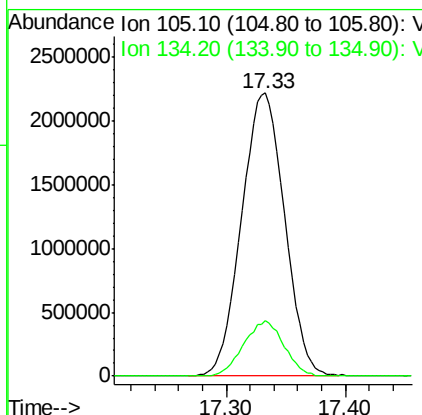
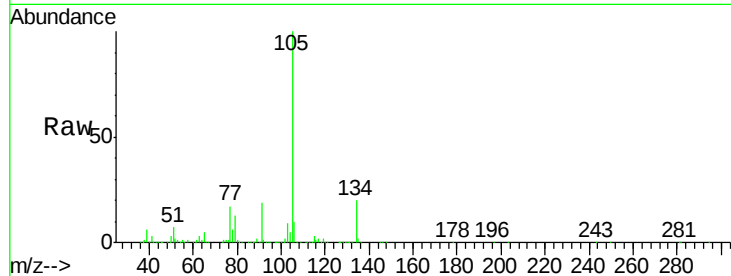
#67
 sec-Butylbenzene
 Concen: 9.467 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070820

Tot Ion: 105 Resp: 5554366
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.6 21.8

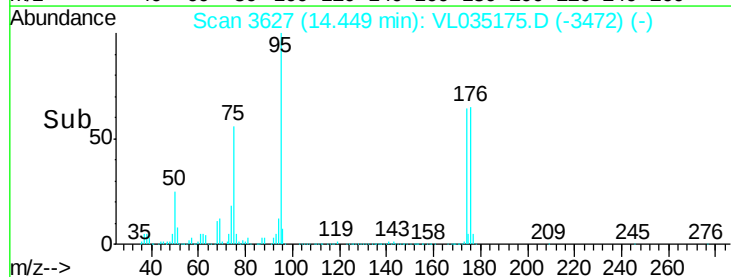
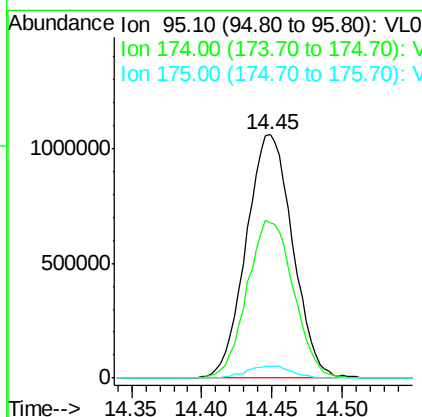
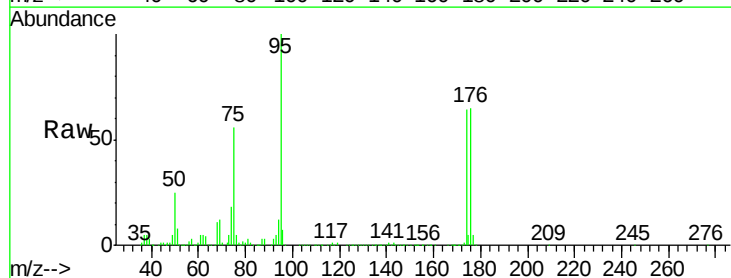
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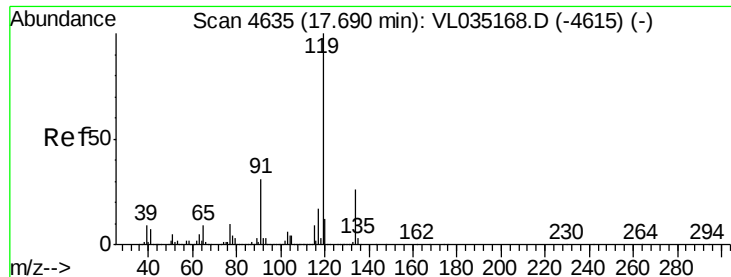
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.772 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Tgt Ion: 95 Resp: 2441712
 Ion Ratio Lower Upper
 95 100
 174 65.1 52.2 78.2
 175 4.9 4.0 6.0





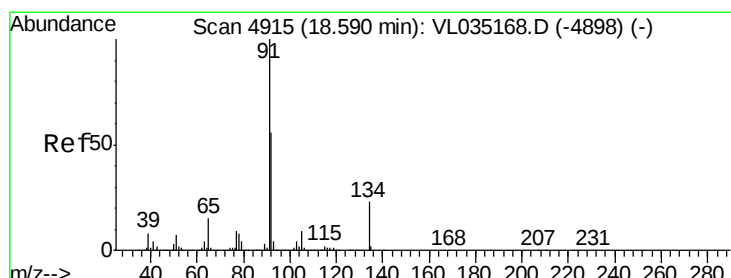
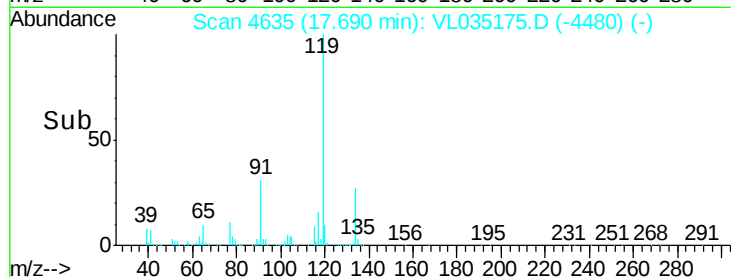
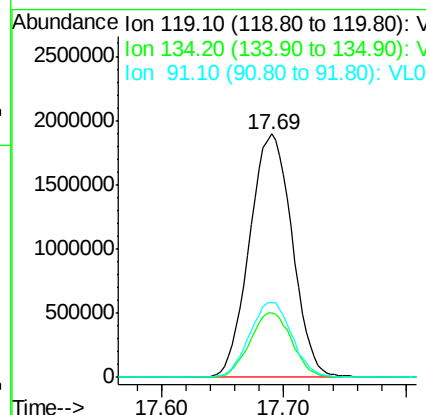
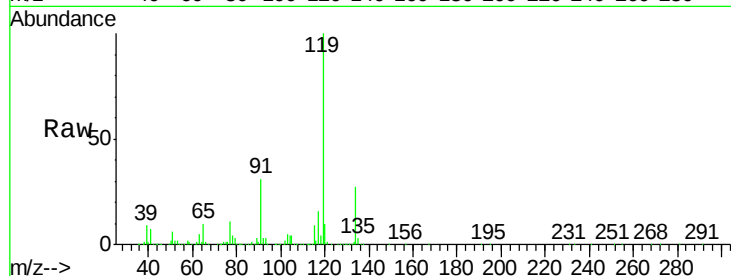
#69
 p-Isopropyltoluene
 Concen: 9.960 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070820

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.8	31.2
91	30.8	24.9	37.3

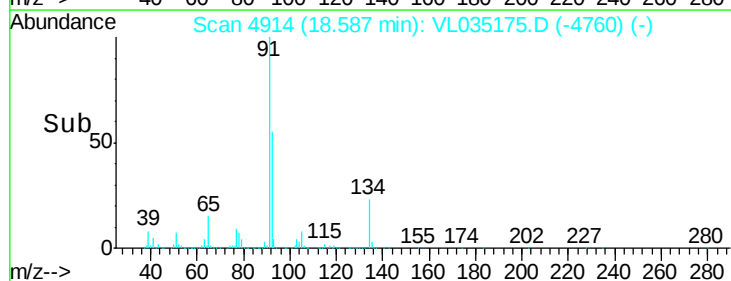
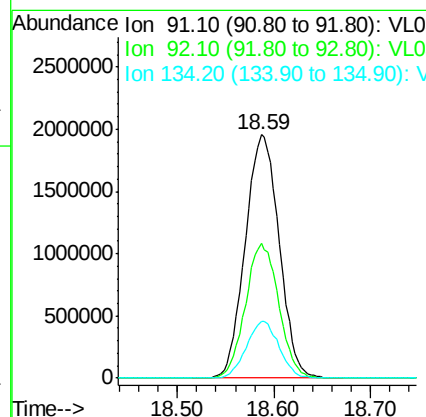
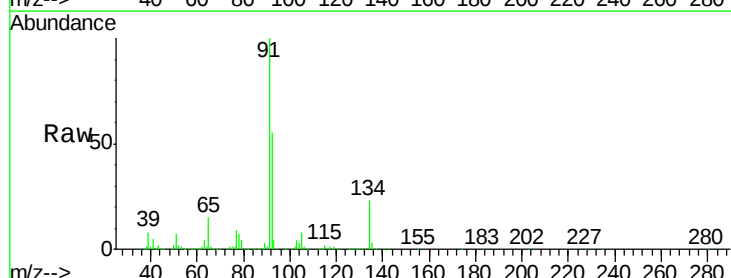
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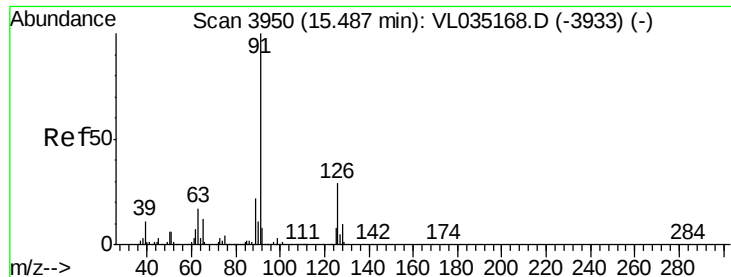
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#70
 n-Butylbenzene
 Concen: 9.765 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	44.0	66.0
134	22.5	18.0	27.0





#71

2-Chlorotoluene

Concen: 10.030 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion: 91 Resp: 3400847

Ion Ratio Lower Upper

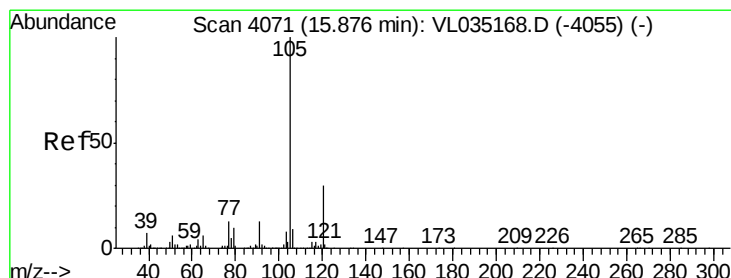
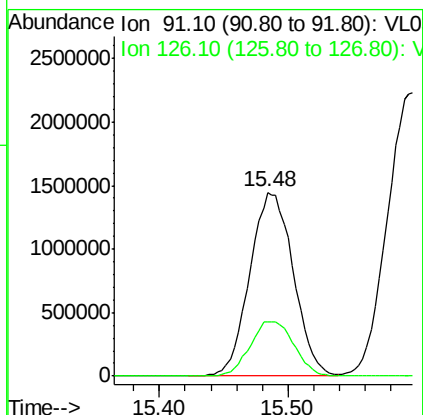
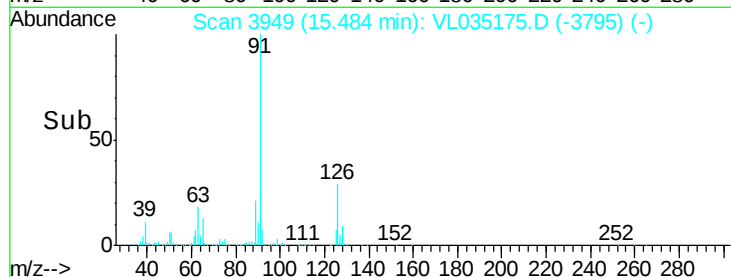
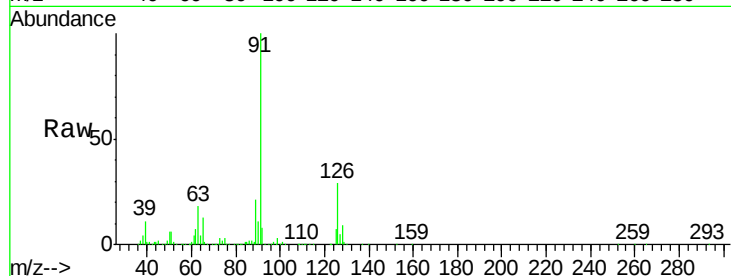
91 100

126 30.1 12.0 48.0

Manual Integrations
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#72

4-Ethyltoluene

Concen: 10.292 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Tgt Ion:105 Resp: 3505734

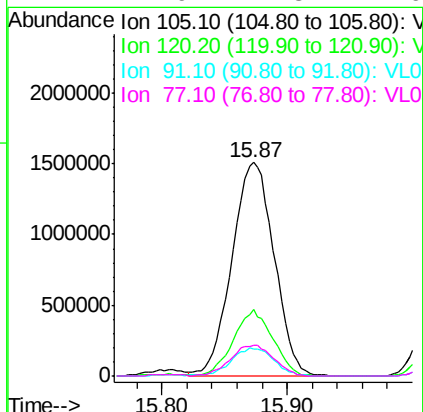
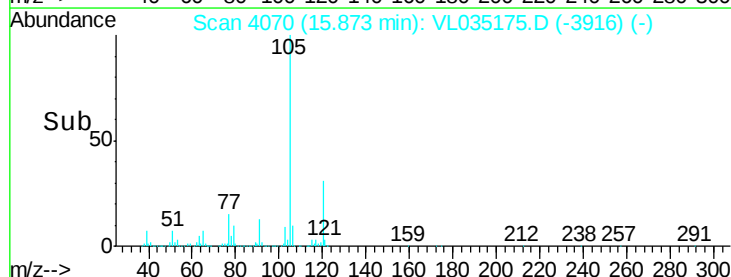
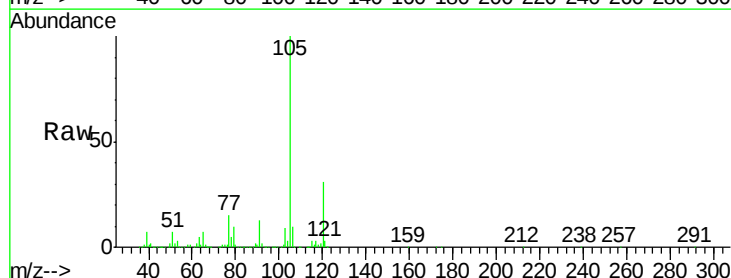
Ion Ratio Lower Upper

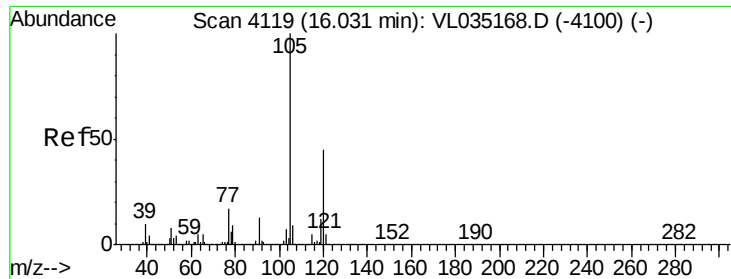
105 100

120 29.1 23.2 34.8

91 13.3 10.9 16.3

77 14.9 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 10.039 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion:105 Resp: 3297551

Ion Ratio Lower Upper

105 100

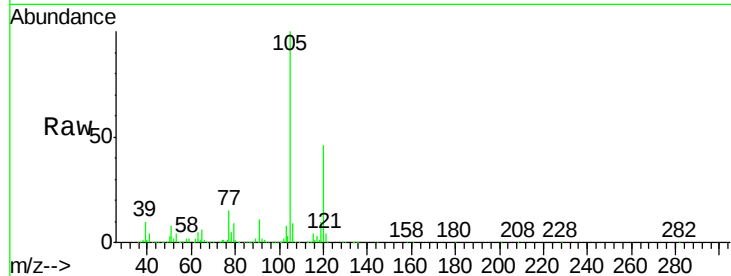
120 45.9 36.2 54.2

Manual Integrations

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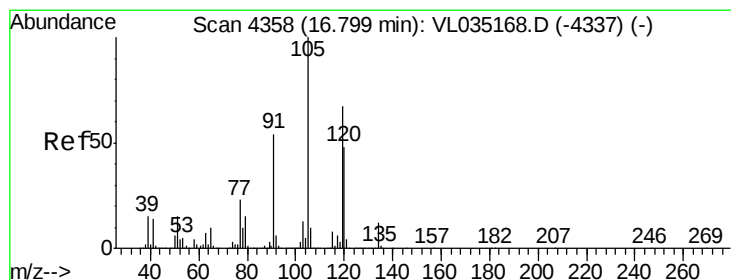
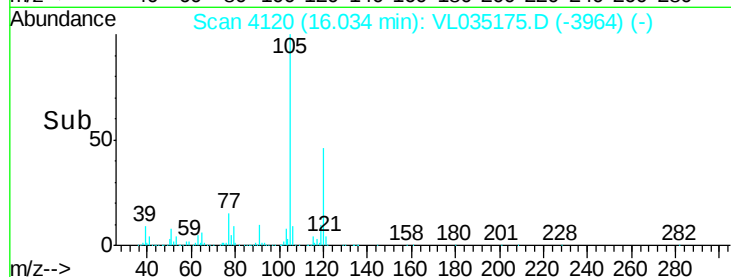
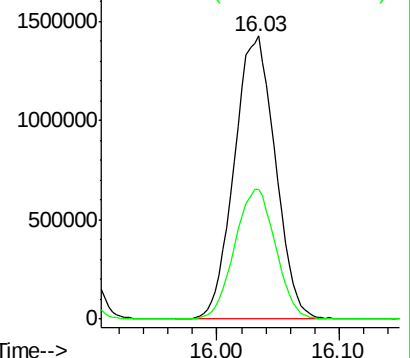
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.487 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Tgt Ion:105 Resp: 3443987

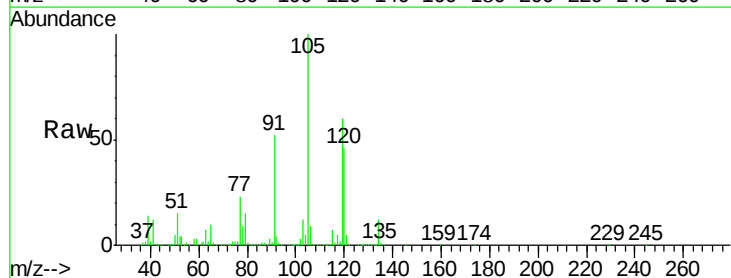
Ion Ratio Lower Upper

105 100

120 45.9 38.6 57.8

91 51.8 43.6 65.4

77 23.2 18.3 27.5

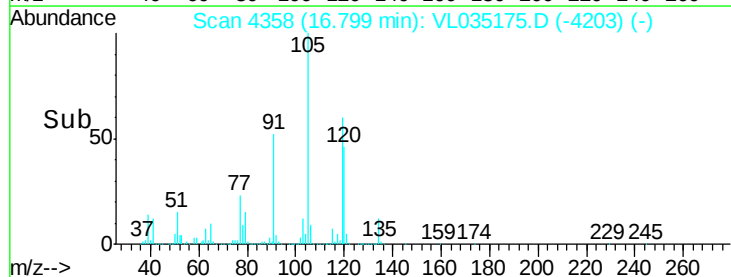
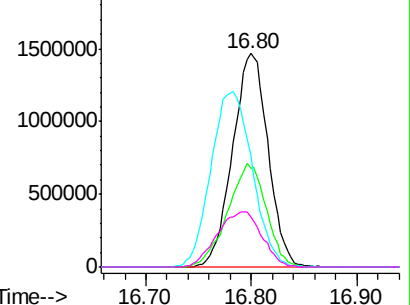


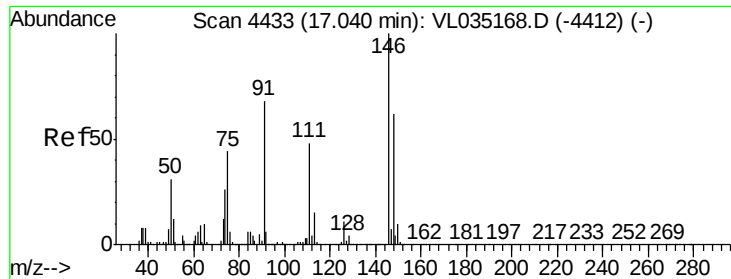
Abundance Ion 105.10 (104.80 to 105.80): V

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





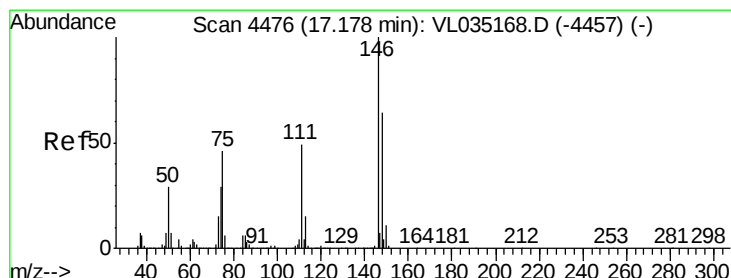
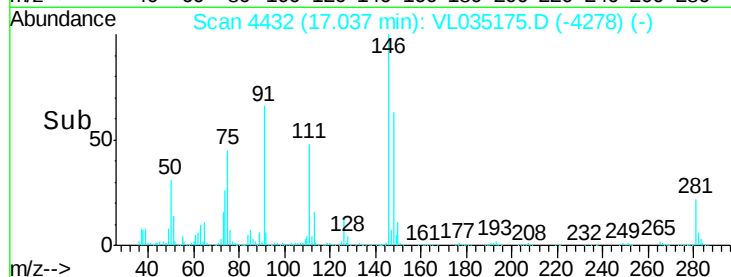
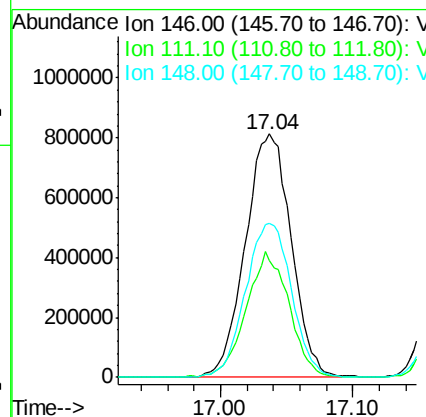
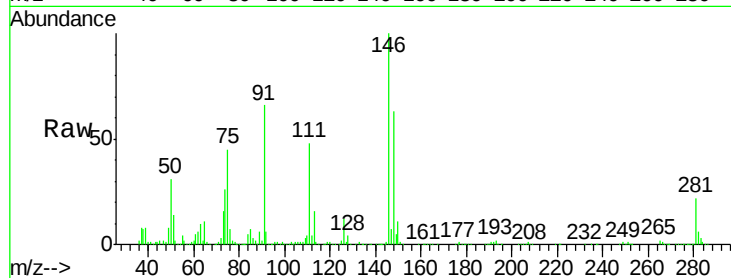
#75
 1,3-Dichlorobenzene
 Concen: 8.458 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Instrument :
 MSVOA_L
 ClientSampled :
 ICVVL070820

Tot Ion:146 Resp: 1944353
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.7 74.1
 148 64.1 32.4 97.0

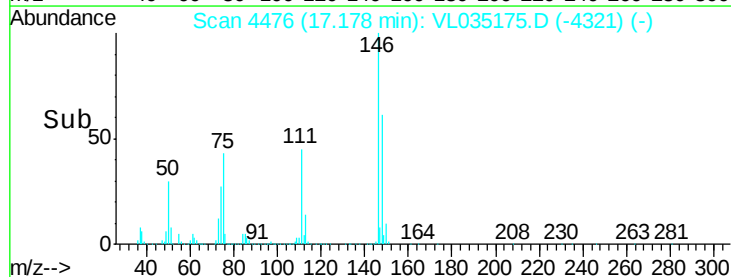
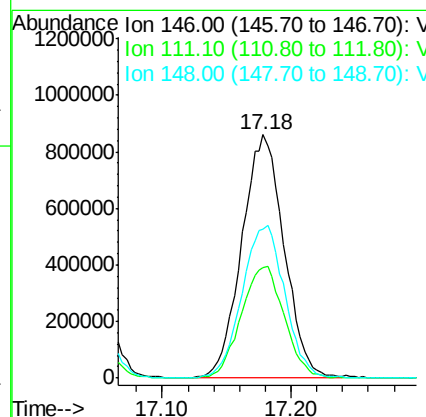
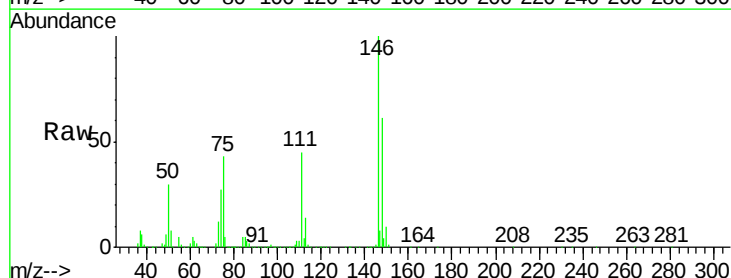
Manual Integrations
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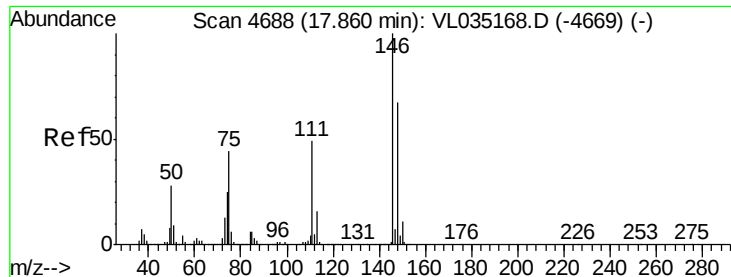
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 7/9/2020 12:02:41 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.112 ppbv
 RT: 17.18 min Scan# 4476
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Tgt Ion:146 Resp: 1946763
 Ion Ratio Lower Upper
 146 100
 111 47.1 23.8 71.2
 148 64.4 32.3 96.9





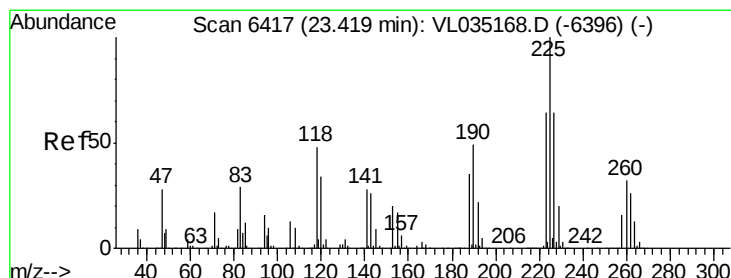
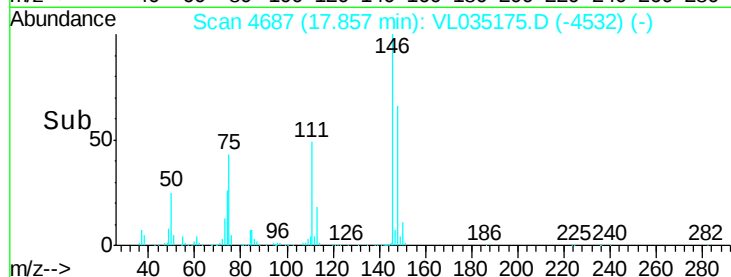
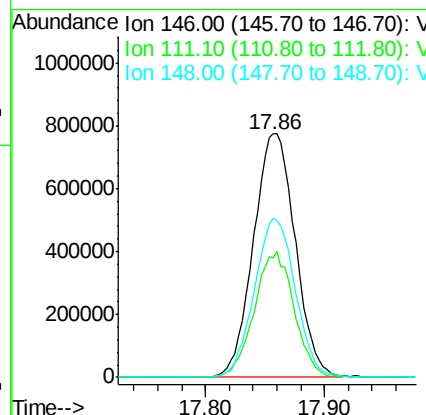
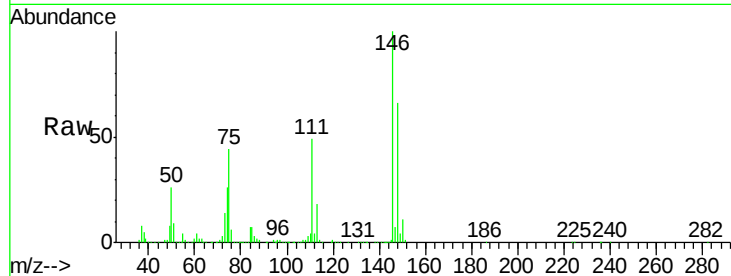
#77
 1,2-Dichlorobenzene
 Concen: 9.096 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070820

Tot Ion:146 Resp: 1882693
 Ion Ratio Lower Upper
 146 100
 111 49.2 25.1 75.2
 148 64.3 32.4 97.0

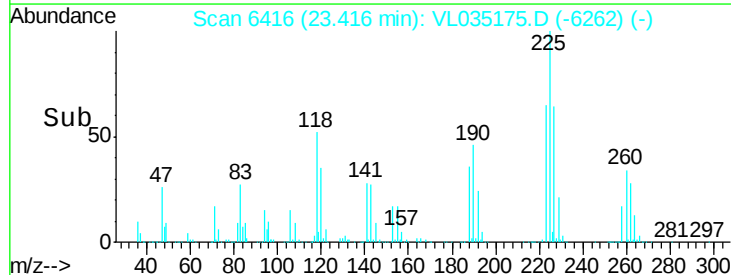
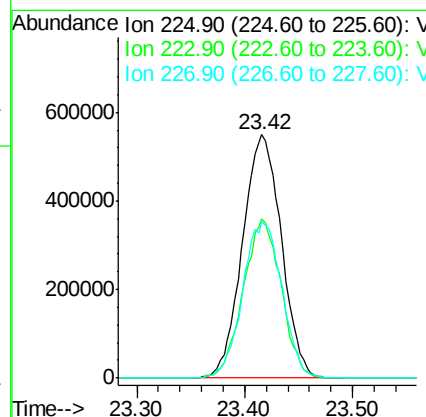
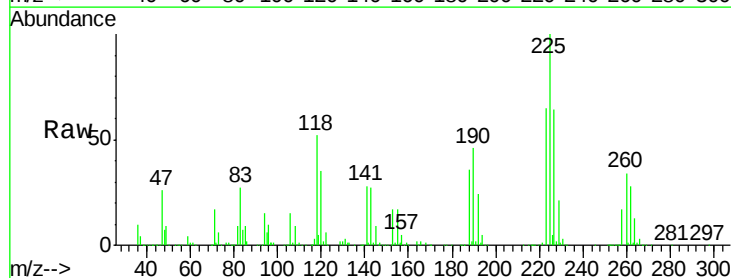
Manual Integrations
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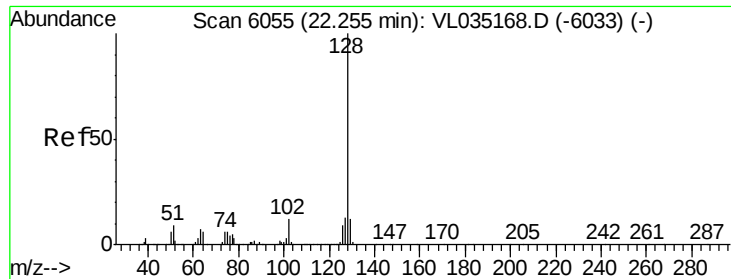
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.419 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Tgt Ion:225 Resp: 1377007
 Ion Ratio Lower Upper
 225 100
 223 63.7 50.2 75.2
 227 64.9 51.2 76.8





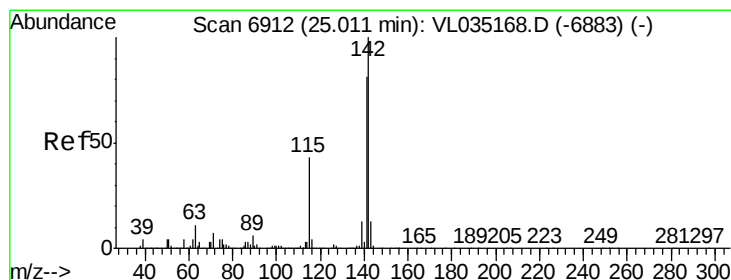
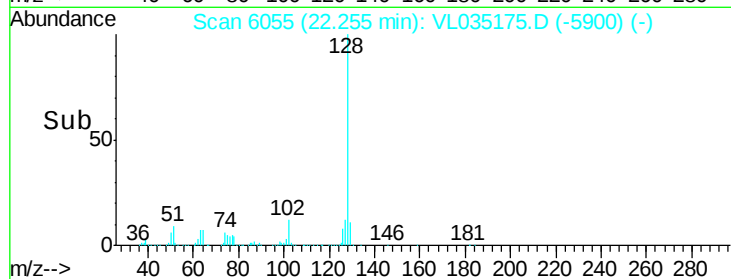
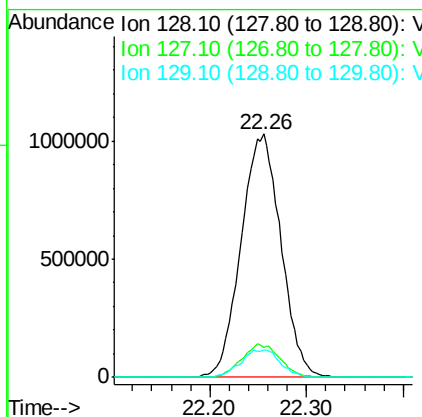
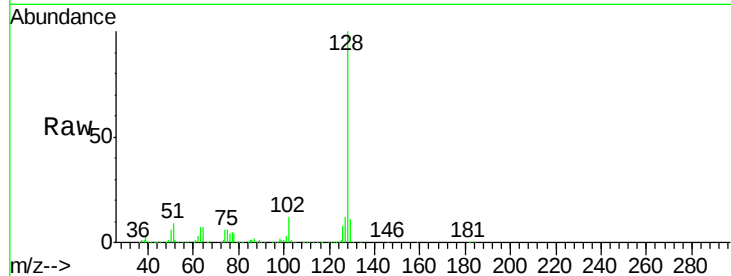
#79
Naphthalene
Concen: 12.525 ppbv
RT: 22.26 min Scan# 6055
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.8	16.2
129	11.0	9.4	14.2

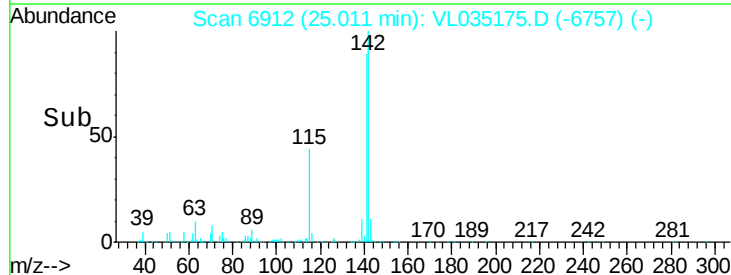
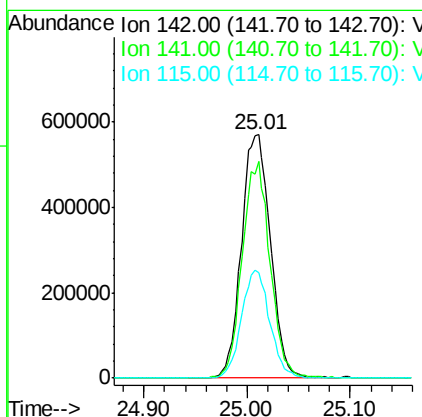
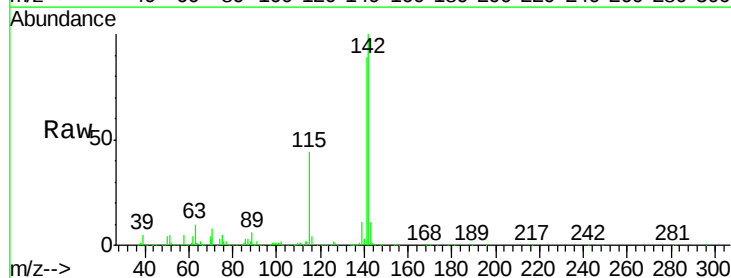
Manual Integrations
APPROVED

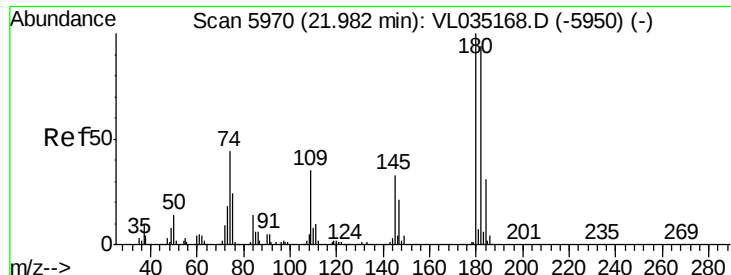
MMDadoda
7/9/2020 12:02:41 PM



#80
Naphthalene, 2-methyl-
Concen: 20.138 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.5	68.2	102.4
115	43.3	34.4	51.6





#81
 1,2,4-Trichlorobenzene
 Concen: 10.797 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070820

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.7	115.1
184	31.4	25.0	37.6

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:02:41 PM

