

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
 Data File : VL035168.D
 Acq On : 8 Jul 2020 2:37
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:02:26 PM

Quant Time: Jul 08 06:30:26 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 06:17:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1356810	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3236115	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3199898	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2505568	9.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1604363	8.731	ppbv 100
3) Chlorodifluoromethane	2.94	51	1278115	8.601	ppbv 100
4) Chloromethane	3.10	50	720478	8.680	ppbv 100
5) Vinyl Chloride	3.21	62	736802	9.251	ppbv 100
6) Bromomethane	3.43	94	468031	9.402	ppbv 100
7) Chloroethane	3.52	64	283974	9.389	ppbv 100
8) Dichlorotetrafluoroethane	3.14	85	1743305	8.866	ppbv 100
9) Propene	2.96	41	522564	8.934	ppbv 100
10) Heptane	8.13	43	1460915	9.597	ppbv 100
11) Trichlorofluoromethane	3.92	101	1854820	9.367	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1309879	9.553	ppbv 100
13) Ethanol	3.57	45	110950	5.119	ppbv 99
14) Bromoethene	3.70	108	568651	9.685	ppbv 100
15) Acetone	3.81	43	1389071	8.421	ppbv 100
16) 1,3-Butadiene	3.29	39	664672	9.298	ppbv 100
17) tert-Butyl alcohol	4.26	59	1457999	9.936	ppbv 100
18) 1,1-Dichloroethene	4.26	96	607914	9.844	ppbv 100
19) Isopropyl Alcohol	3.93	45	941988	8.882	ppbv 100
20) Methylene Chloride	4.31	84	534480	7.962	ppbv 100
21) Allyl Chloride	4.38	41	967229	9.898	ppbv 100
22) trans-1,2-Dichloroethene	4.86	96	603284	10.355	ppbv 100
23) Vinyl Acetate	5.05	43	1895849	9.607	ppbv 100
24) 1,1-Dichloroethane	4.99	63	1513547	9.039	ppbv 100
25) Ethyl Acetate	5.66	43	2592157	8.804	ppbv 100
26) Hexane	5.67	57	1159379	8.717	ppbv 100
27) Carbon Disulfide	4.52	76	1635975	11.525	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1800985	9.621	ppbv 100
29) Chloroform	5.74	83	1849324	8.870	ppbv 100
30) Cyclohexane	7.13	84	981333	10.317	ppbv 100
31) cis-1,2-Dichloroethene	5.54	61	1154383	9.489	ppbv 100
32) 1,1,1-Trichloroethane	6.51	97	1840175	9.477	ppbv 100
34) 2-Butanone	5.22	43	1602094	8.750	ppbv 100
35) Carbon Tetrachloride	7.01	117	1908111	9.801	ppbv 100
36) Benzene	6.89	78	2278622	9.199	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1434755	9.101	ppbv 100
38) Trichloroethene	7.84	130	928027	9.561	ppbv 100
39) 1,2-Dichloropropane	7.62	63	880712	9.114	ppbv 100
40) 1,4-Dioxane	7.83	88	363652	9.297	ppbv 100
41) Tetrahydrofuran	6.04	42	889262	9.538	ppbv 100
42) Bromodichloromethane	7.80	83	2008711	9.806	ppbv 100
43) Methyl Methacrylate	8.02	69	1049537	10.006	ppbv 100

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 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	3938271	9.098	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1185343	11.575	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1383283	10.895	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	977916	9.207	ppbv	100
48) Dibromochloromethane	10.33	129	1683112	10.546	ppbv	100
49) Bromoform	13.07	173	1488640	10.943	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2511993	9.578	ppbv	100
51) 2-Hexanone	10.15	43	2018401	9.865	ppbv	100
52) Tetrachloroethene	11.25	164	826619	9.408	ppbv	100
53) Toluene	9.82	91	2689952	10.148	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1493604	9.473	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1279252	9.656	ppbv	98
57) Chlorobenzene	12.17	112	2082079	8.815	ppbv	100
58) Ethyl Benzene	12.73	91	3657436	10.118	ppbv	100
59) m/p-Xylene	13.02	91	6101529m	19.045	ppbv	
60) o-Xylene	13.72	91	3070009	9.600	ppbv	100
61) Styrene	13.56	104	2178560	10.824	ppbv	100
62) Isopropylbenzene	14.70	105	4482304	9.393	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2182433	8.441	ppbv	100
64) n-propylbenzene	15.60	120	1198793	9.833	ppbv	100
65) tert-Butylbenzene	16.78	119	4013610	9.753	ppbv	100
66) Benzyl Chloride	17.03	91	1625662	12.518	ppbv	100
67) sec-Butylbenzene	17.33	105	5763382	9.751	ppbv	100
69) p-Isopropyltoluene	17.69	119	4731560	10.037	ppbv	100
70) n-Butylbenzene	18.59	91	4955124	9.743	ppbv	100
71) 2-Chlorotoluene	15.49	91	3503327	9.706	ppbv	100
72) 4-Ethyltoluene	15.88	105	3618706	10.134	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3412099	10.073	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	3554819	9.383	ppbv	100
75) 1,3-Dichlorobenzene	17.04	146	2035410	9.026	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	2065759	9.541	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1965616	9.464	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1436292	7.858	ppbv	100
79) Naphthalene	22.26	128	2962090	9.180	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	1107359	9.441	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	1641890	8.750	ppbv	100

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

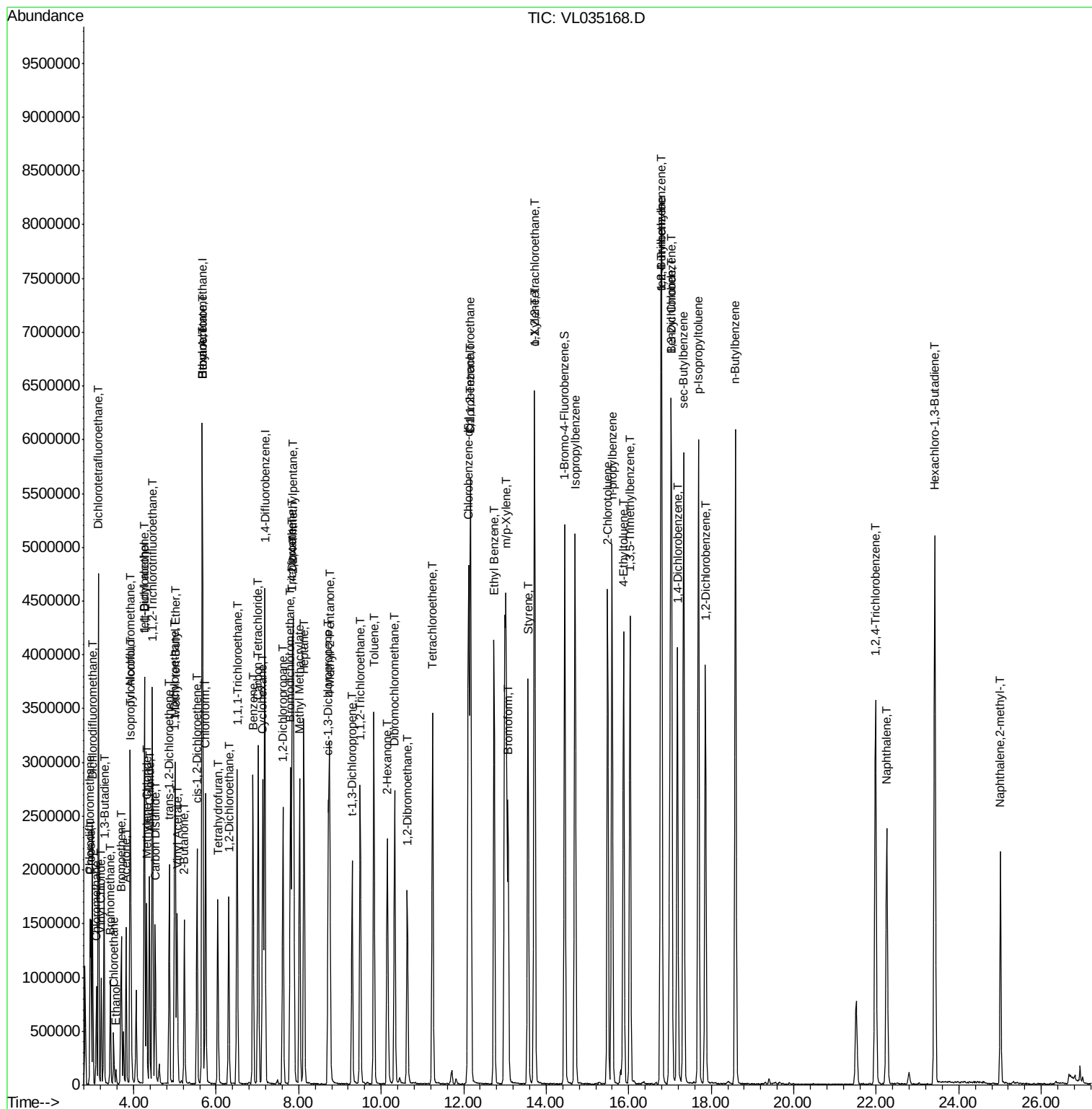
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL070820\
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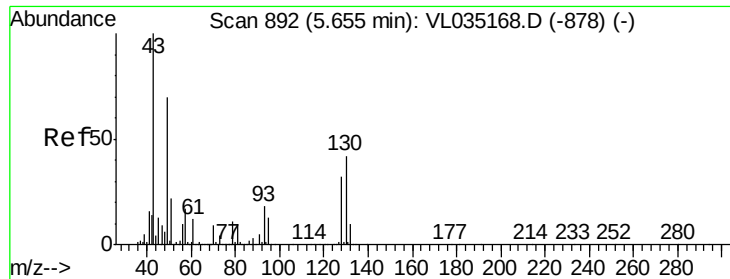
Instrument :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
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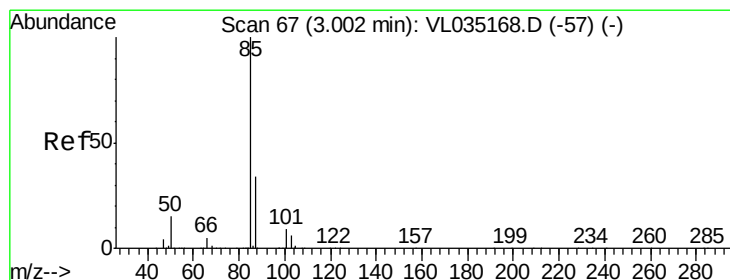
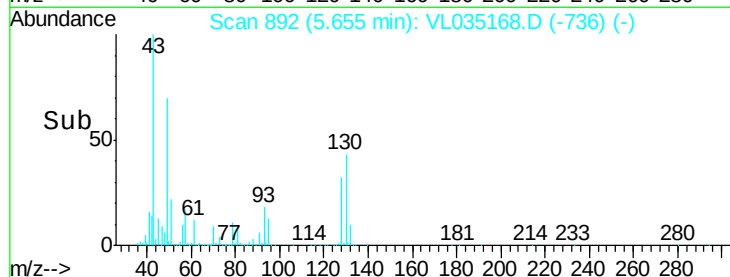
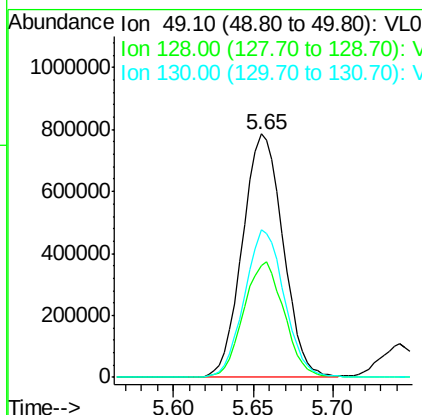
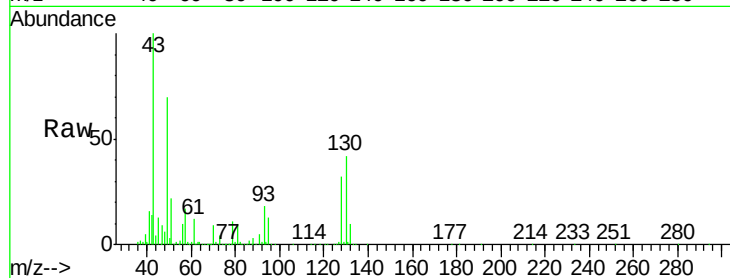
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 49 Resp: 1356810
Ion Ratio Lower Upper
49 100
128 47.4 23.8 71.4
130 59.9 29.9 89.8

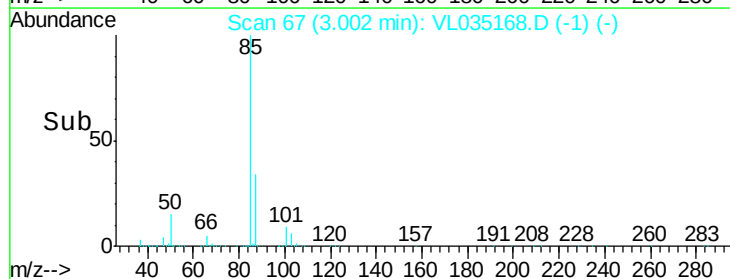
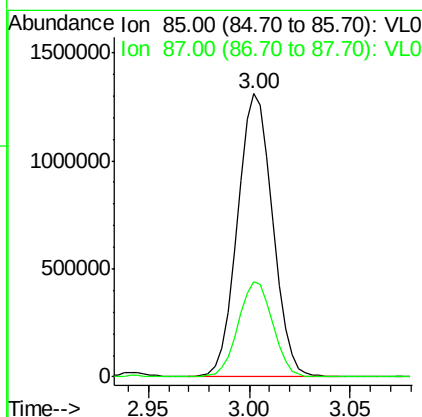
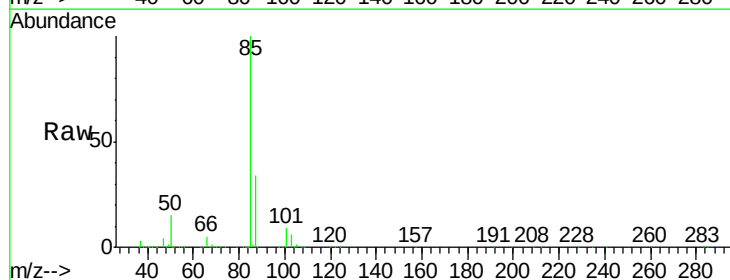
Manual Integrations
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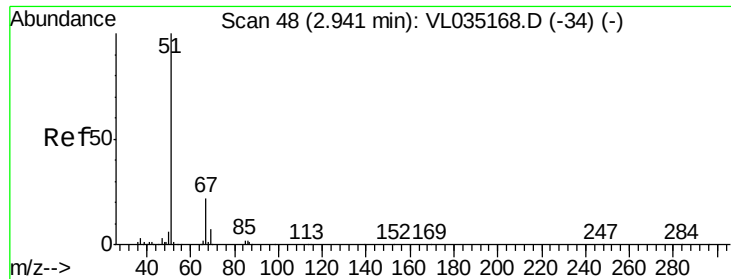
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#2
Dichlorodifluoromethane
Concen: 8.731 ppbv
RT: 3.00 min Scan# 67
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Tgt Ion: 85 Resp: 1604363
Ion Ratio Lower Upper
85 100
87 33.8 27.0 40.6





#3

Chlorodifluoromethane

Concen: 8.601 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

Tot Ion: 51 Resp: 1278115

Ion Ratio Lower Upper

51 100

67 20.7 16.6 24.8

Instrument :

MSVOA_L

ClientSampleId :

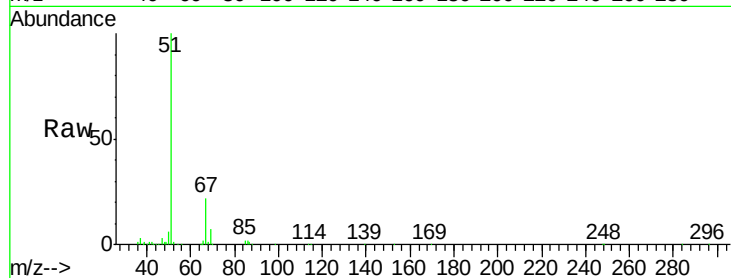
VSTDICCC010

Manual Integrations

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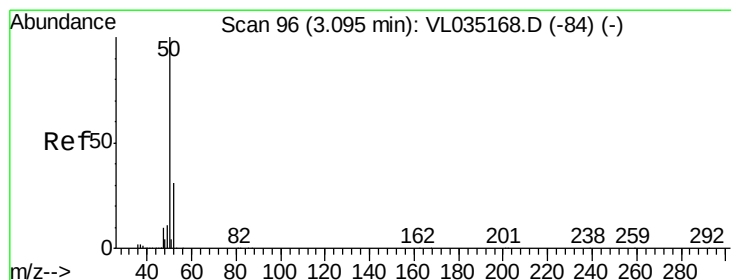
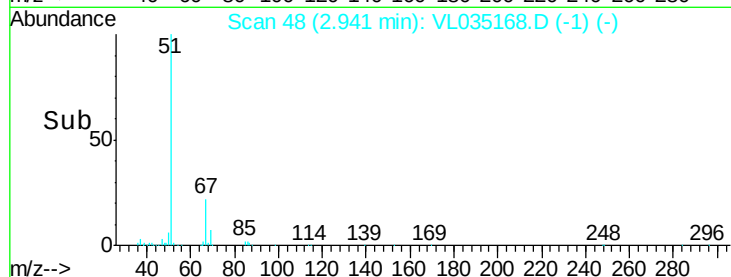
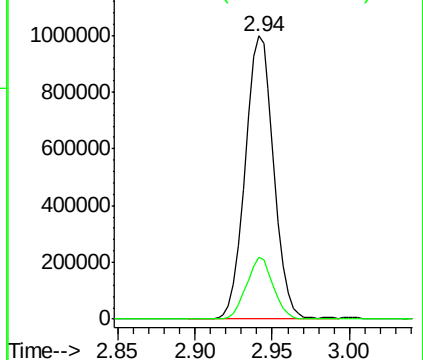
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.680 ppbv

RT: 3.10 min Scan# 96

Delta R.T. 0.00 min

Lab File: VL035168.D

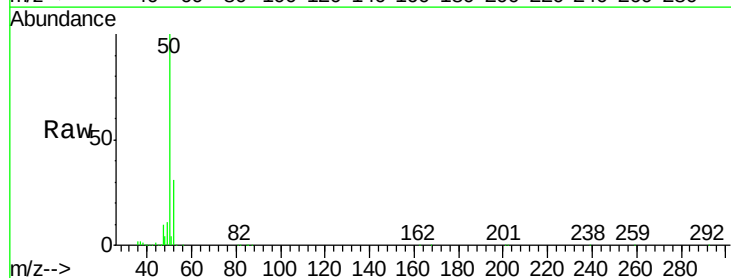
Acq: 8 Jul 2020 2:37

Tgt Ion: 50 Resp: 720478

Ion Ratio Lower Upper

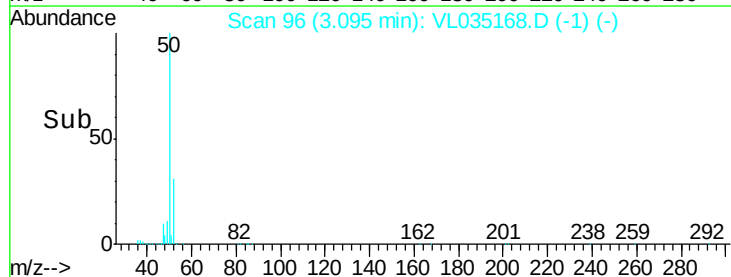
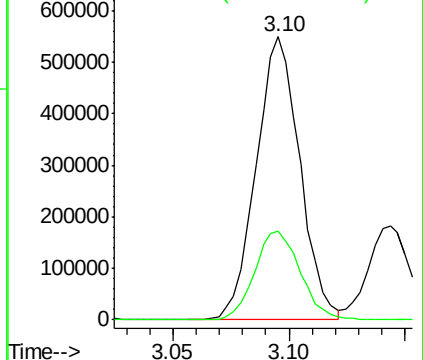
50 100

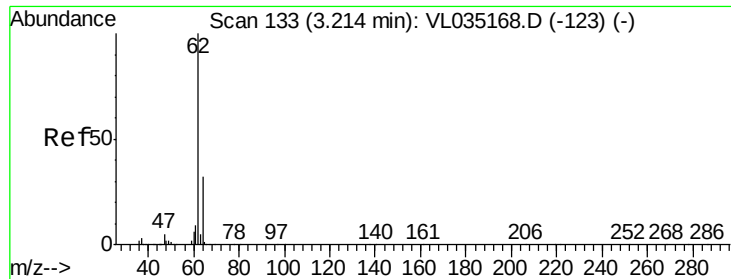
52 31.3 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.251 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 736802

Ion Ratio Lower Upper

62 100

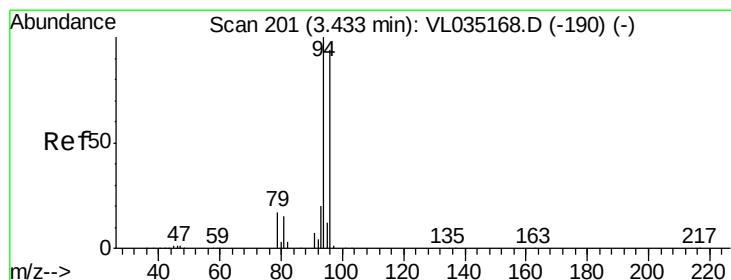
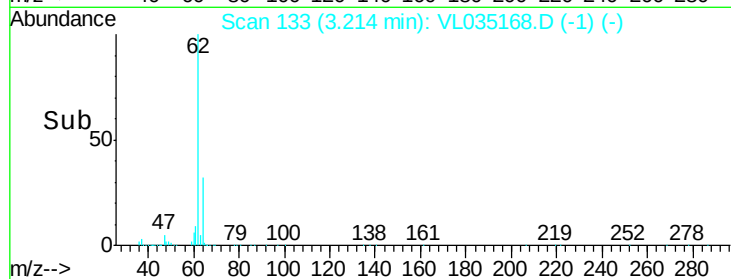
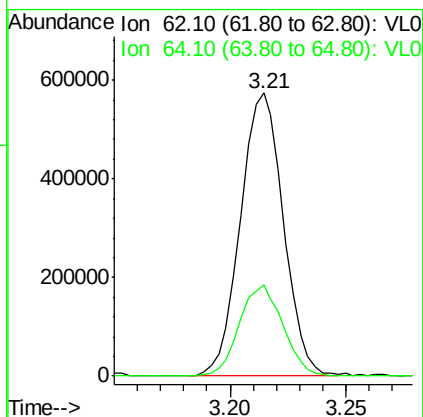
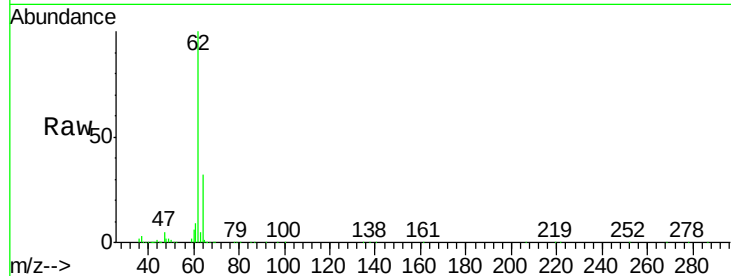
64 32.4 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 9.402 ppbv

RT: 3.43 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL035168.D

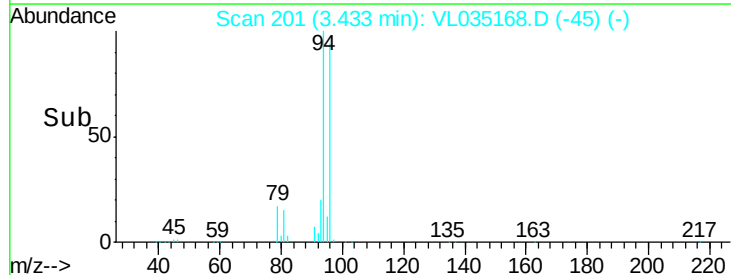
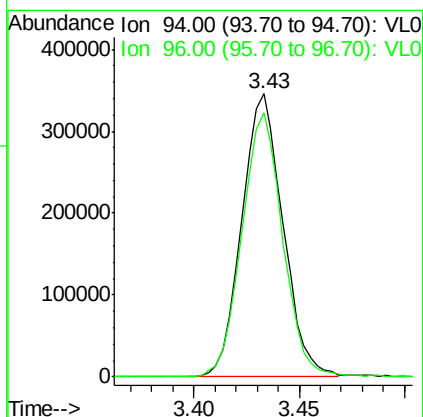
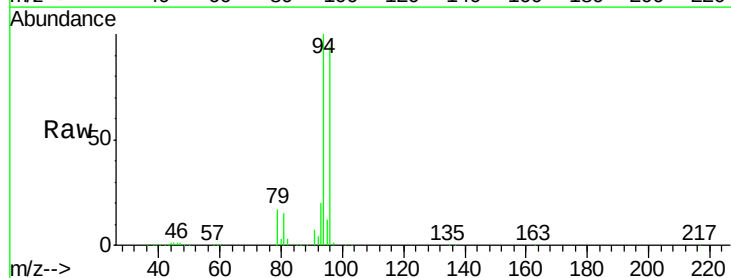
Acq: 8 Jul 2020 2:37

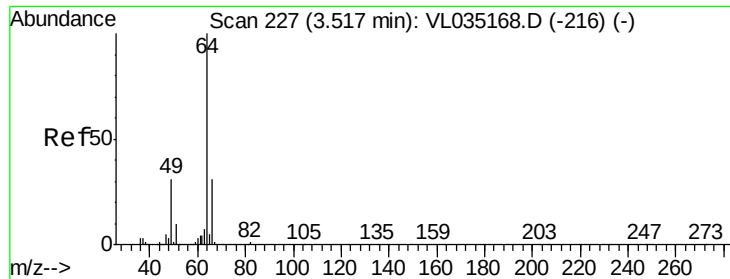
Tgt Ion: 94 Resp: 468031

Ion Ratio Lower Upper

94 100

96 93.5 74.8 112.2





#7

Chloroethane

Concen: 9.389 ppbv

RT: 3.52 min Scan# 227

Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 283974

Ion Ratio Lower Upper

64 100

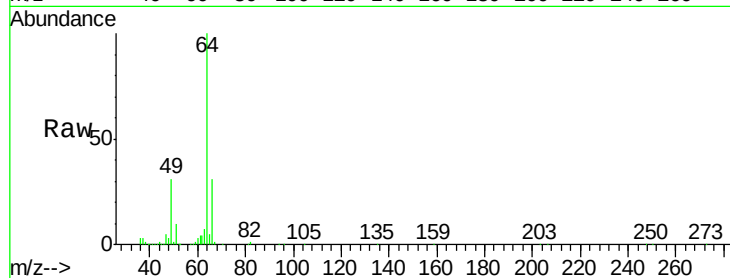
66 30.7 24.6 36.8

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

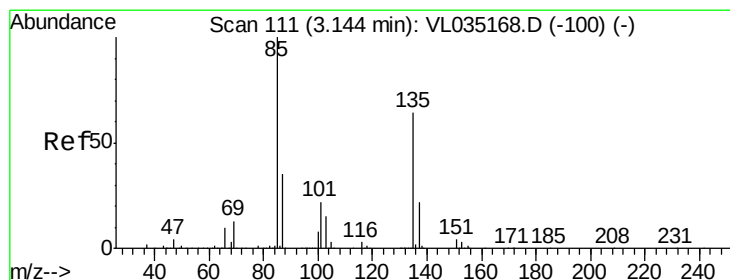
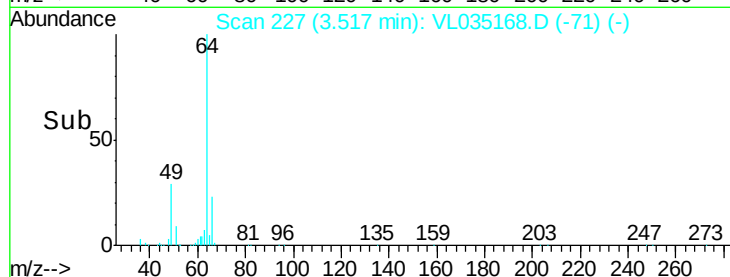
50000

0

3.52

3.45 3.50 3.55

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.866 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035168.D

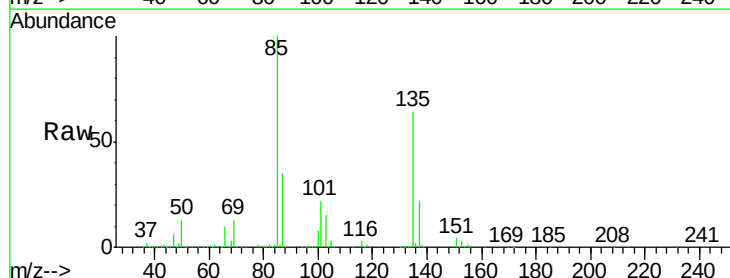
Acq: 8 Jul 2020 2:37

Tgt Ion: 85 Resp: 1743305

Ion Ratio Lower Upper

85 100

135 65.1 52.1 78.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

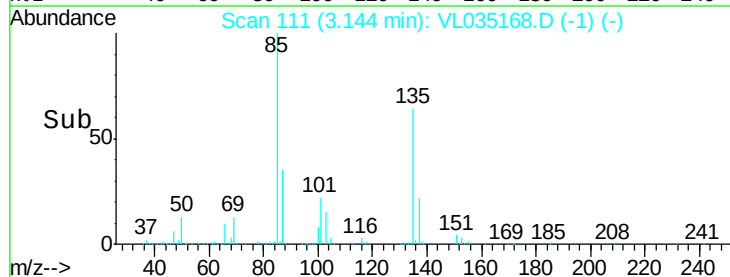
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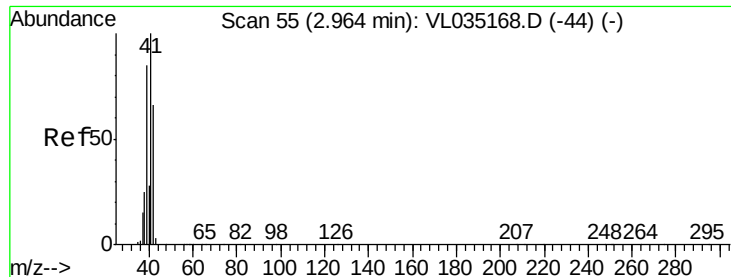
0

3.14

3.10 3.15 3.20

Time-->





#9

Propene

Concen: 8.934 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 522564

Ion Ratio Lower Upper

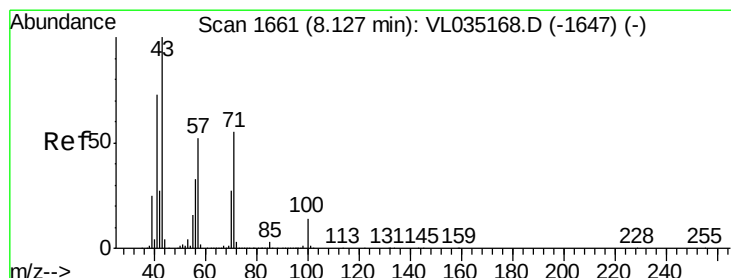
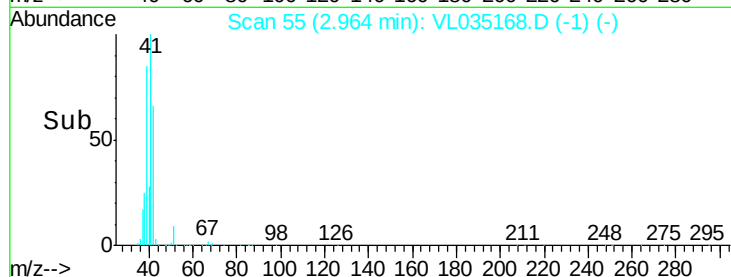
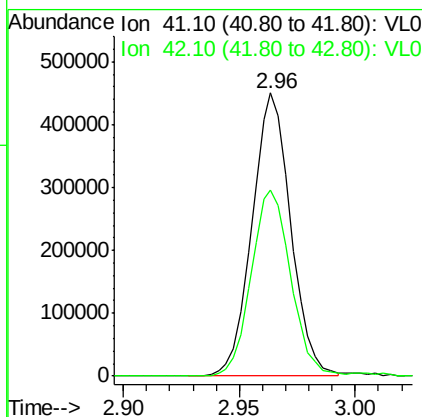
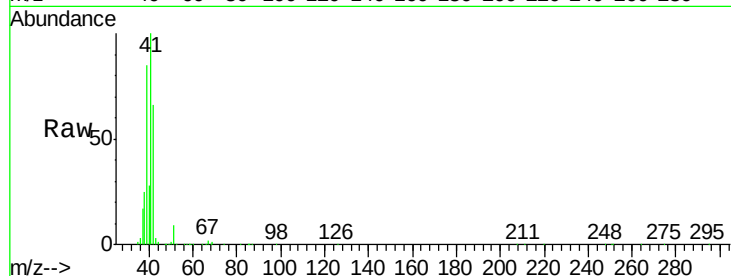
41 100

42 68.2 54.6 81.8

Manual Integrations
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#10

Heptane

Concen: 9.597 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL035168.D

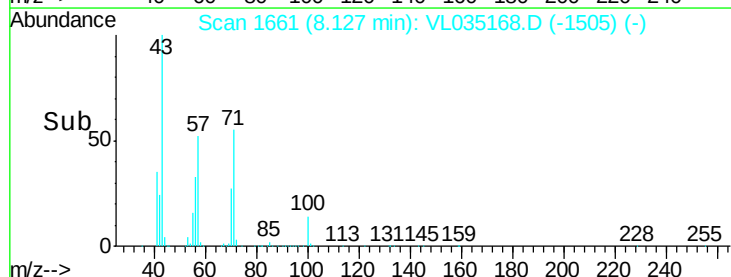
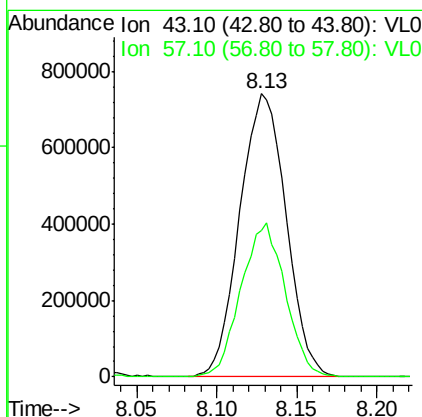
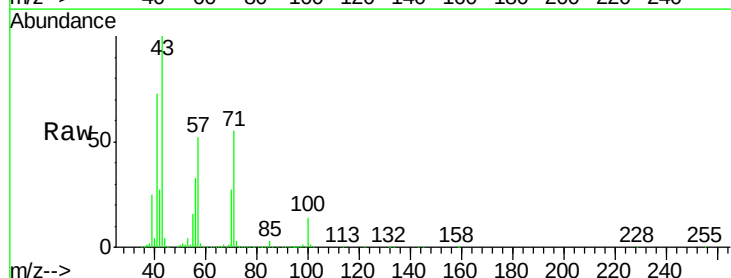
Acq: 8 Jul 2020 2:37

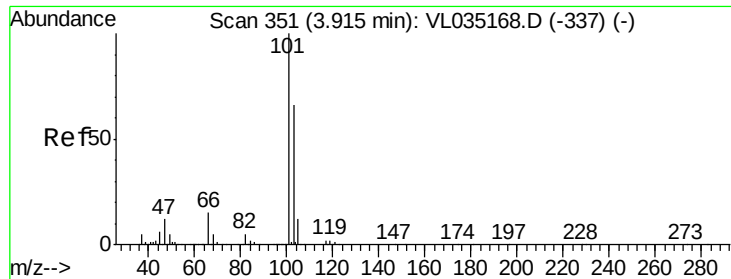
Tgt Ion: 43 Resp: 1460915

Ion Ratio Lower Upper

43 100

57 52.1 41.8 62.6





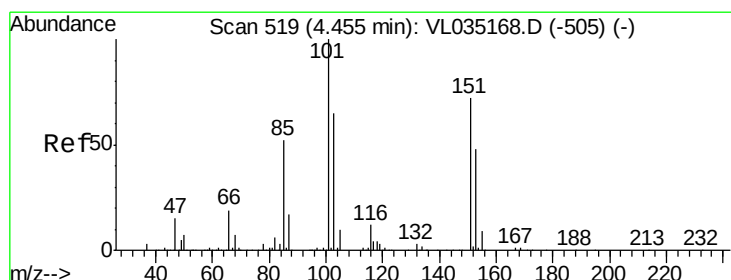
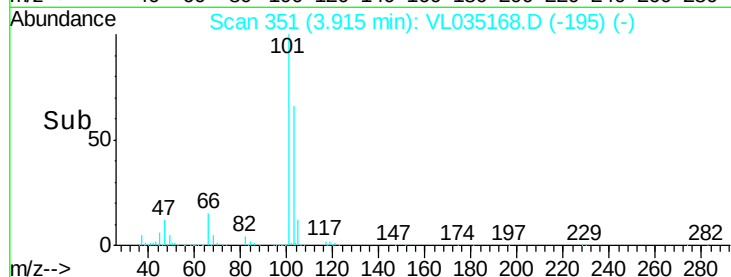
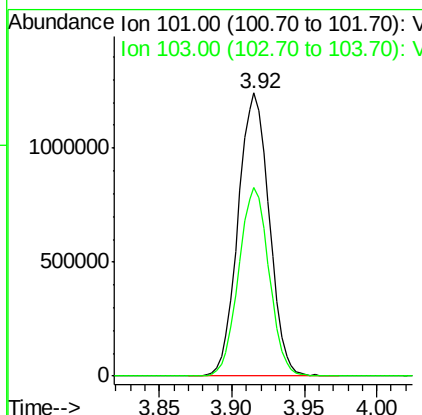
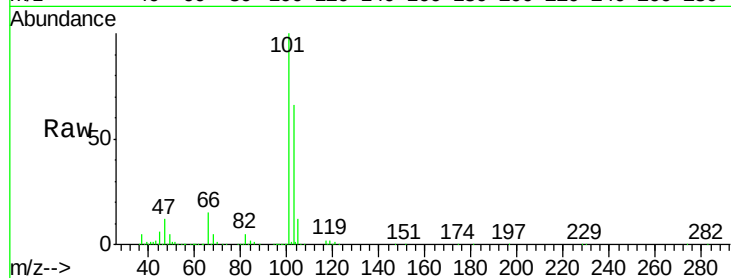
#11
 Trichlorofluoromethane
 Concen: 9.367 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 1854820
 Ion Ratio Lower Upper
 101 100
 103 66.4 53.1 79.7

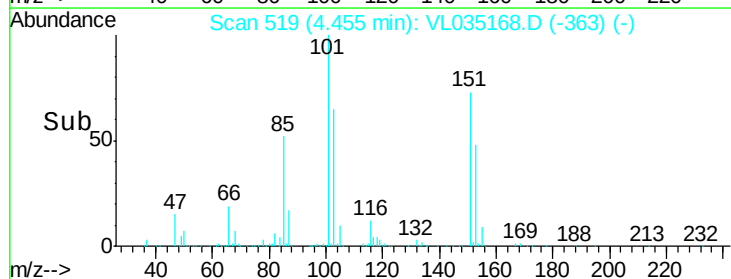
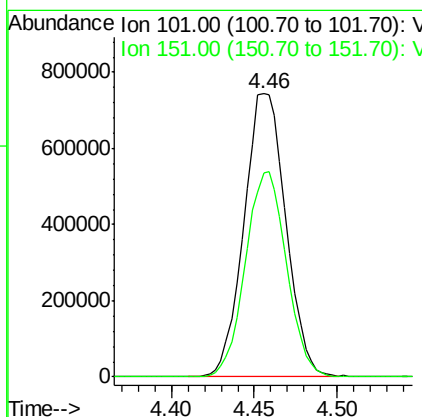
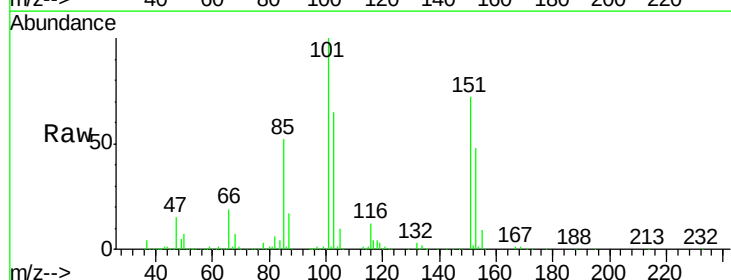
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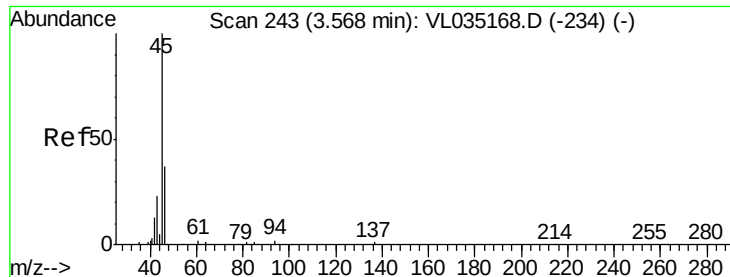
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.553 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Tgt Ion:101 Resp: 1309879
 Ion Ratio Lower Upper
 101 100
 151 71.2 57.0 85.4





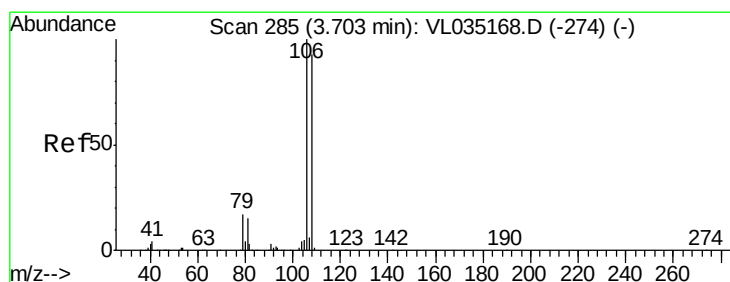
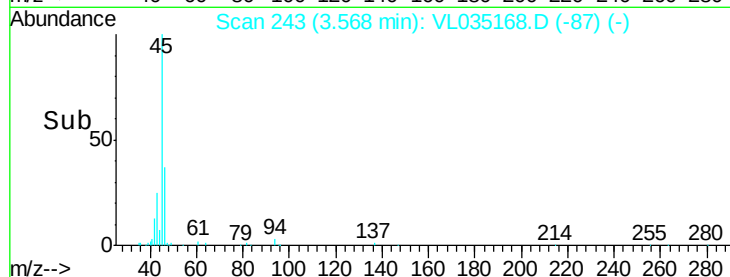
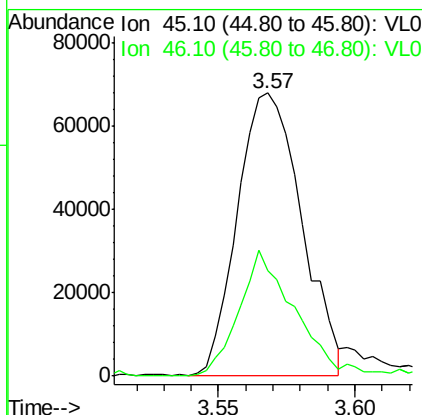
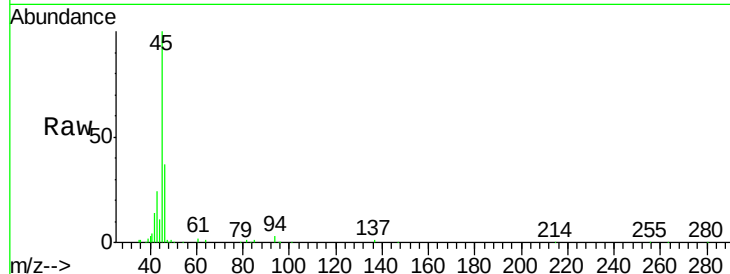
#13
Ethanol
Concen: 5.119 ppbv
RT: 3.57 min Scan# 243
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	40.1	16.2	65.0

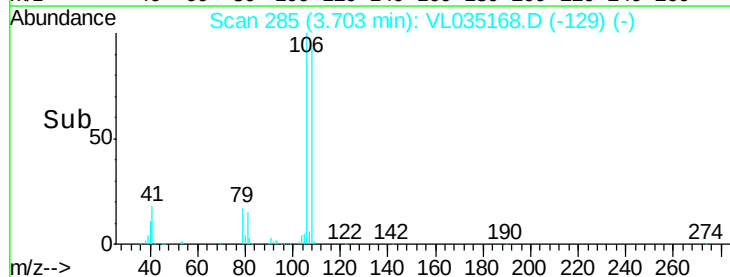
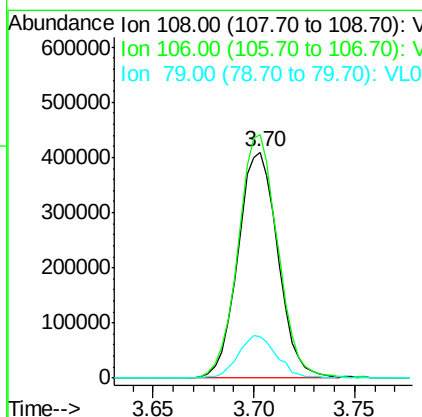
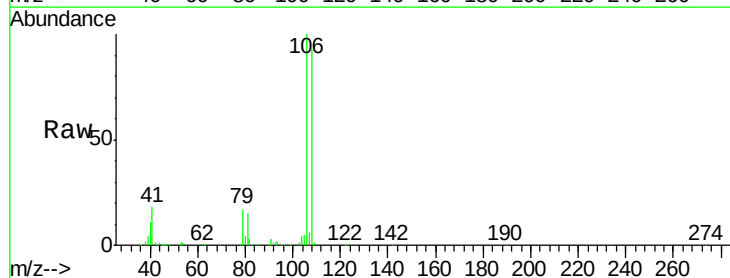
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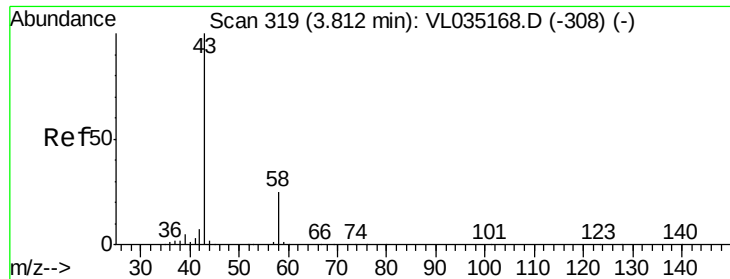
MMDadoda
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#14
Bromoethene
Concen: 9.685 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.7	86.2	129.2
79	18.8	15.0	22.6





#15

Acetone

Concen: 8.421 ppbv

RT: 3.81 min Scan# 319

Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

Tot Ion: 43 Resp: 1389071

Ion Ratio Lower Upper

43 100

58 26.6 21.3 31.9

Instrument :

MSVOA_L

ClientSampleId :

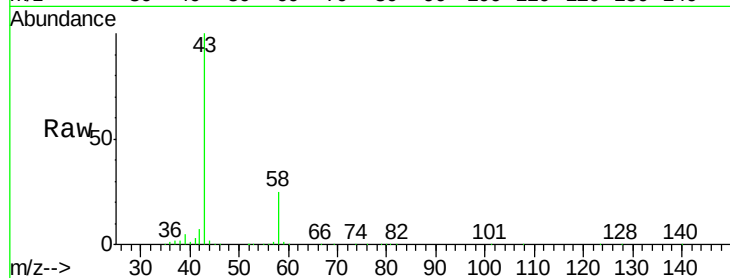
VSTDICCC010

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.81

1000000

800000

600000

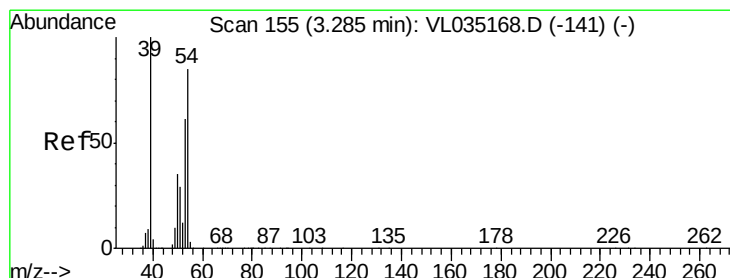
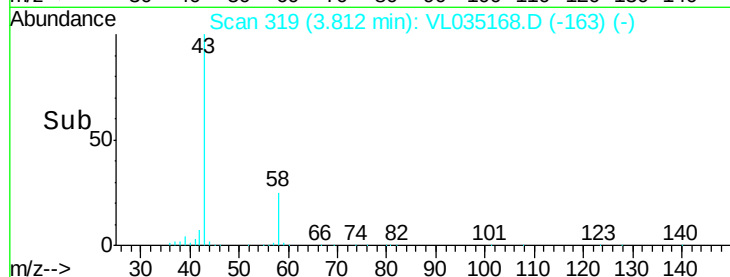
400000

200000

0

Time-->

3.75 3.80 3.85



#16

1,3-Butadiene

Concen: 9.298 ppbv

RT: 3.29 min Scan# 155

Delta R.T. 0.00 min

Lab File: VL035168.D

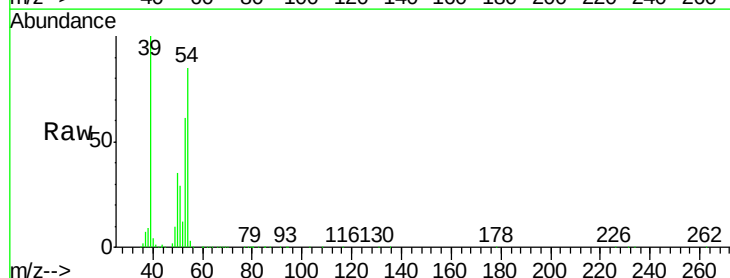
Acq: 8 Jul 2020 2:37

Tgt Ion: 39 Resp: 664672

Ion Ratio Lower Upper

39 100

54 84.0 67.2 100.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.29

600000

500000

400000

300000

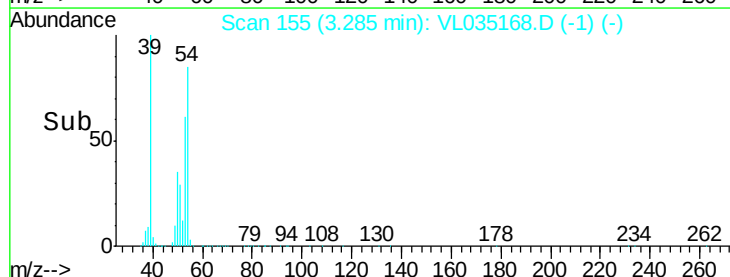
200000

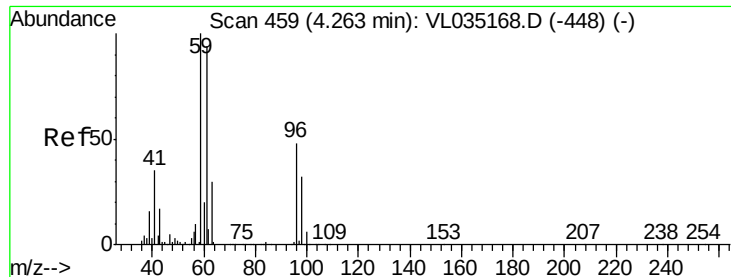
100000

0

Time-->

3.20 3.25 3.30





#17

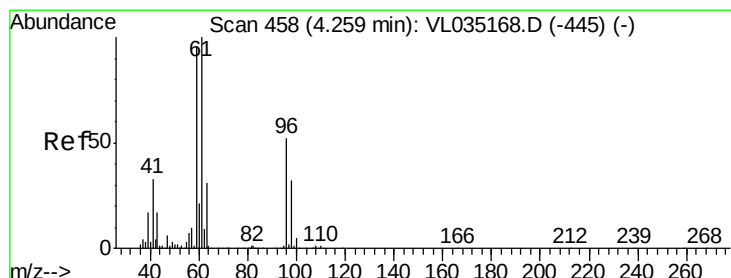
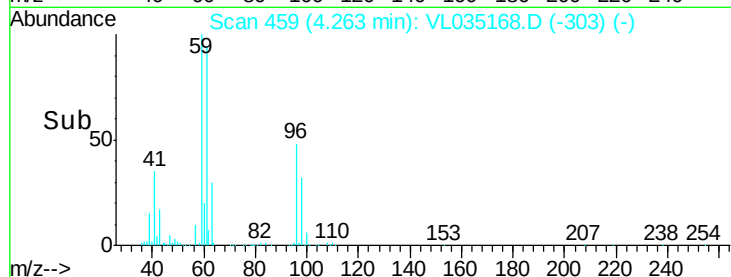
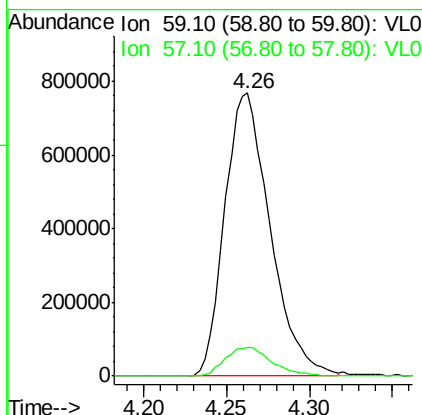
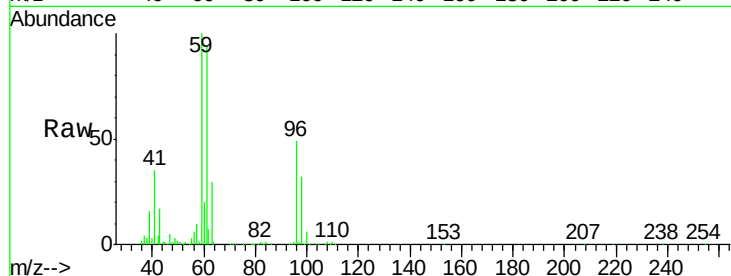
tert-Butyl alcohol
Concen: 9.936 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1457999
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8

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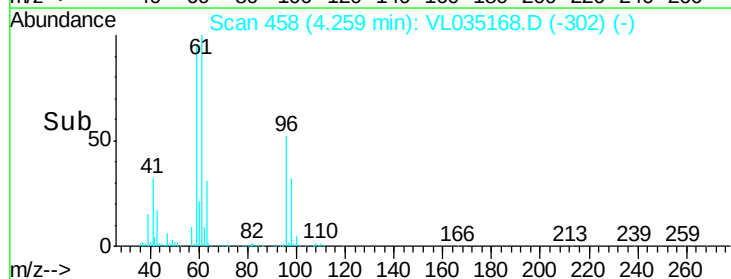
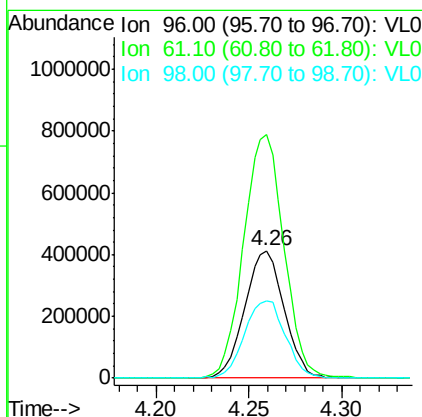
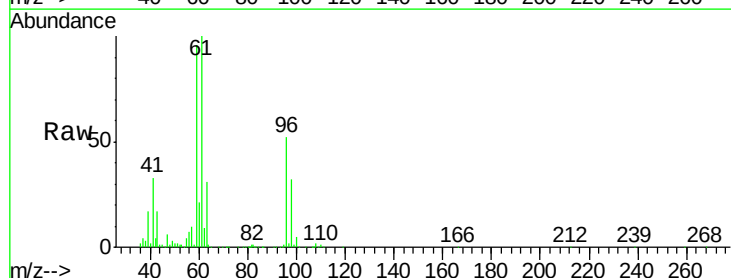
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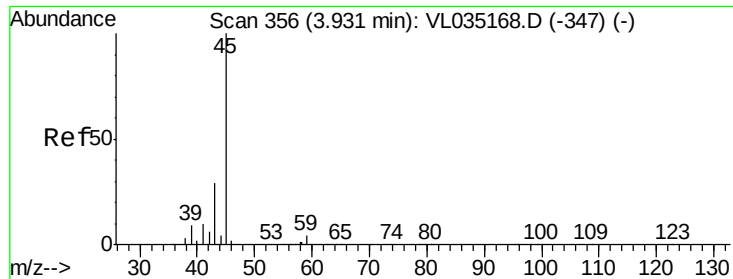


#18

1,1-Dichloroethene
Concen: 9.844 ppbv
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Tgt Ion: 96 Resp: 607914
Ion Ratio Lower Upper
96 100
61 191.1 152.9 229.3
98 60.9 48.7 73.1





#19

Isopropyl Alcohol

Concen: 8.882 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 941988

Ion Ratio Lower Upper

45 100

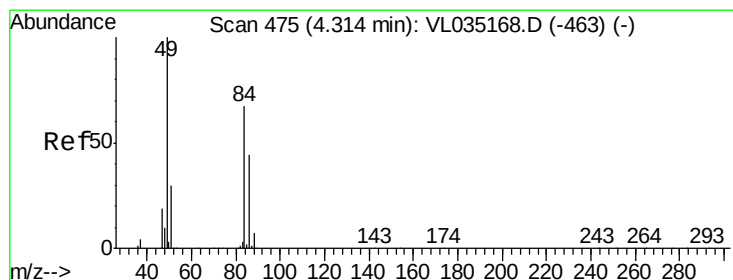
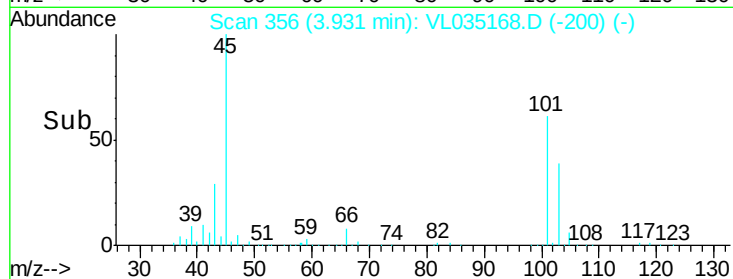
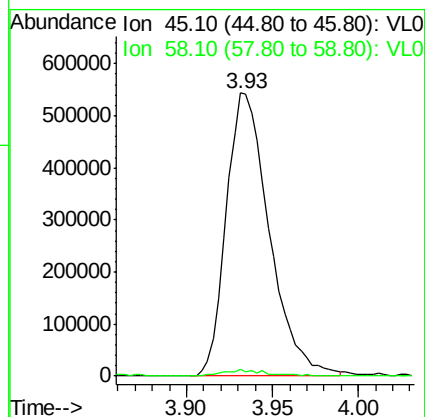
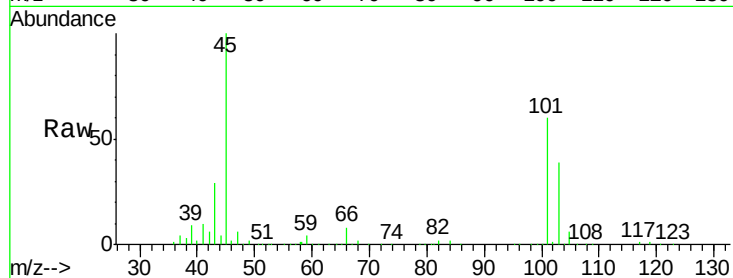
58 2.6 2.1 3.1

Manual Integrations

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#20

Methylene Chloride

Concen: 7.962 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

Tgt Ion: 84 Resp: 534480

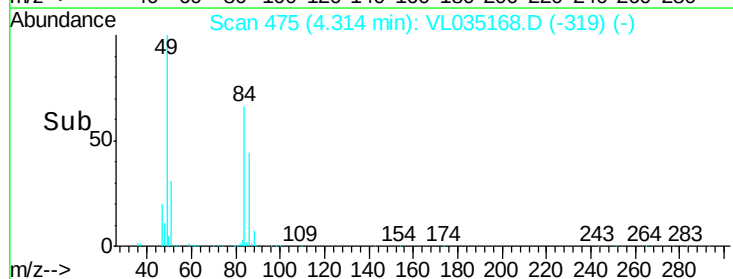
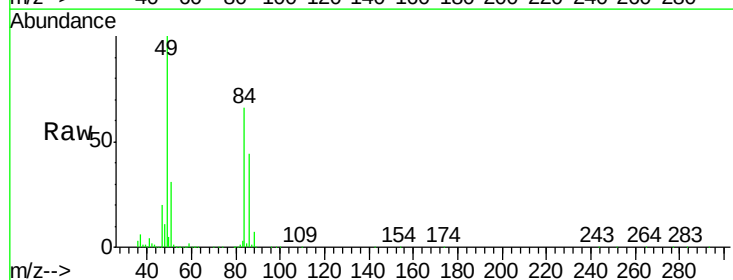
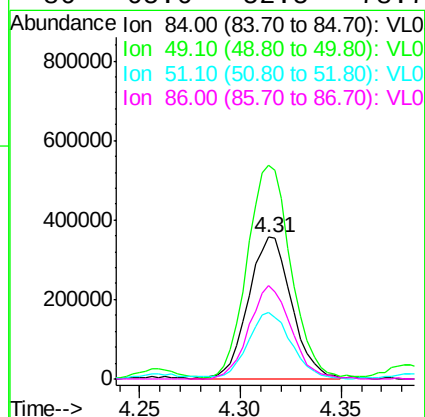
Ion Ratio Lower Upper

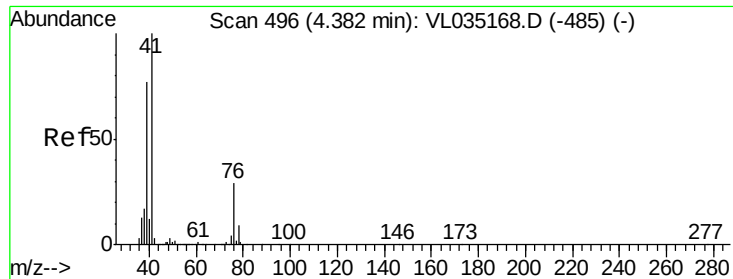
84 100

49 149.2 119.4 179.0

51 45.8 36.6 55.0

86 65.6 52.5 78.7





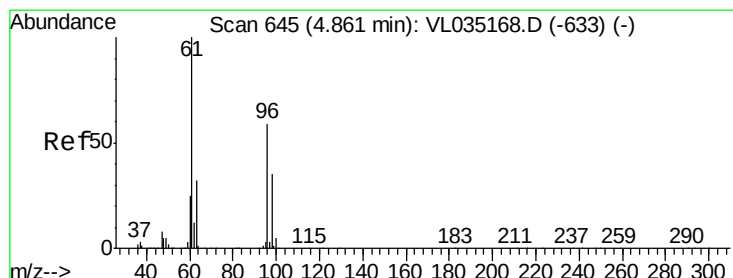
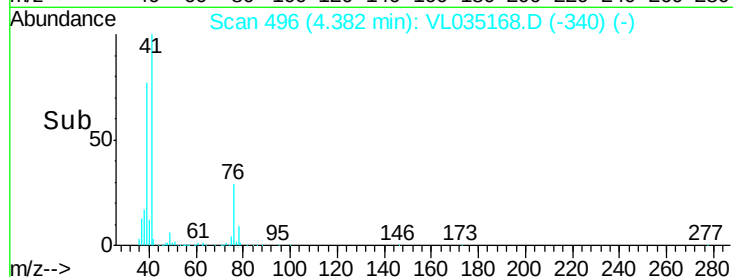
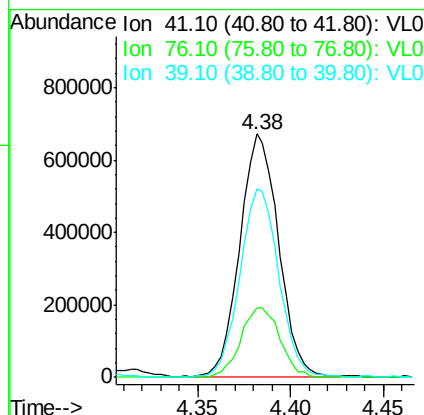
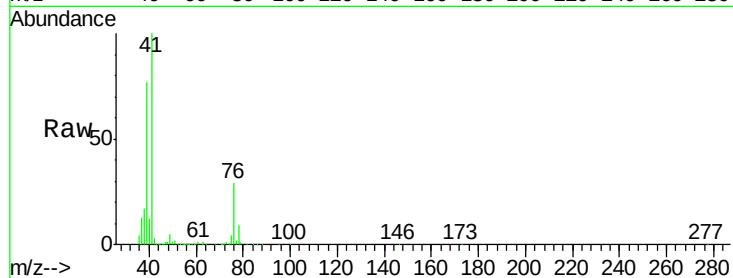
#21
Allvl Chloride
Concen: 9.898 ppbv
RT: 4.38 min Scan# 496
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.4	23.5	35.3
39	78.8	63.4	95.0

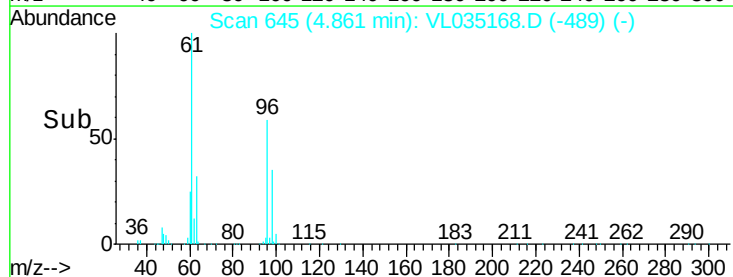
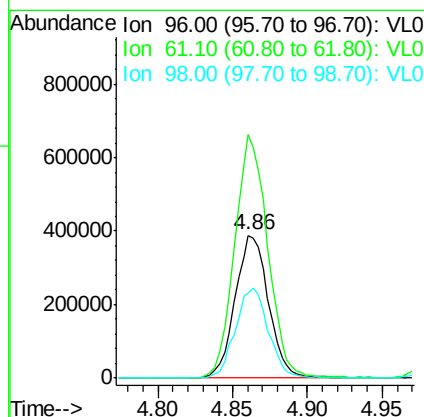
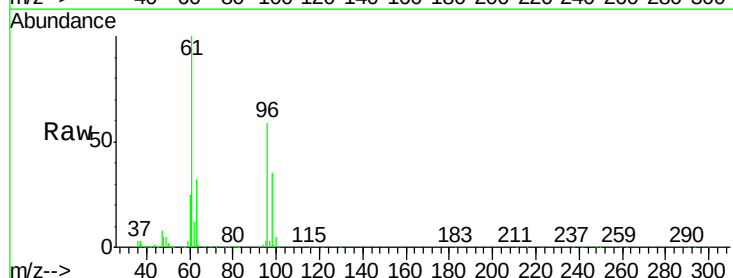
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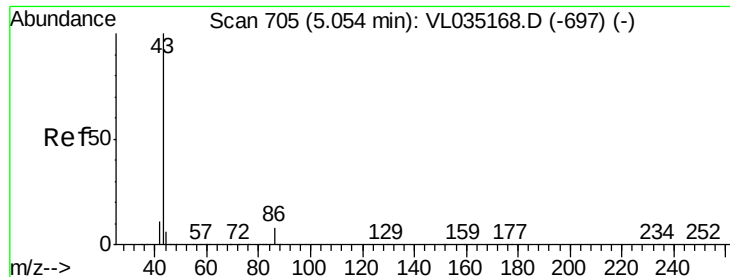
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#22
trans-1,2-Dichloroethene
Concen: 10.355 ppbv
RT: 4.86 min Scan# 645
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.6	136.5	204.7
98	59.4	47.5	71.3





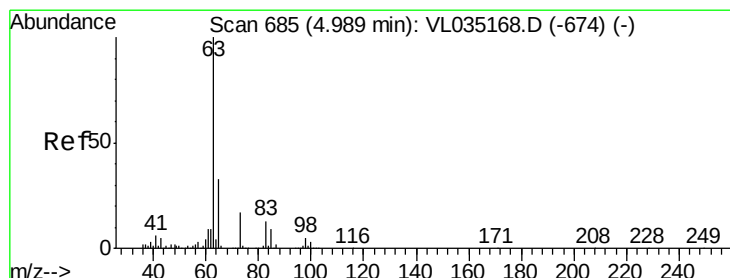
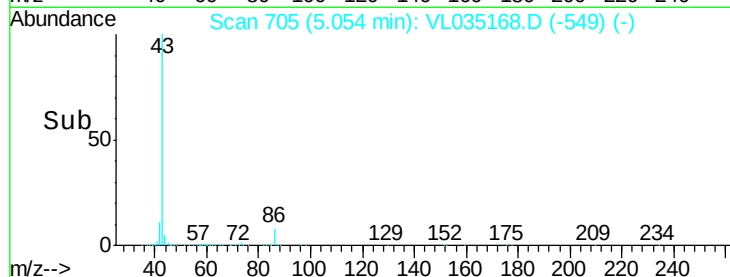
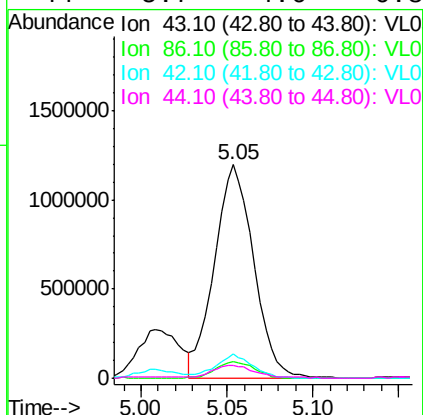
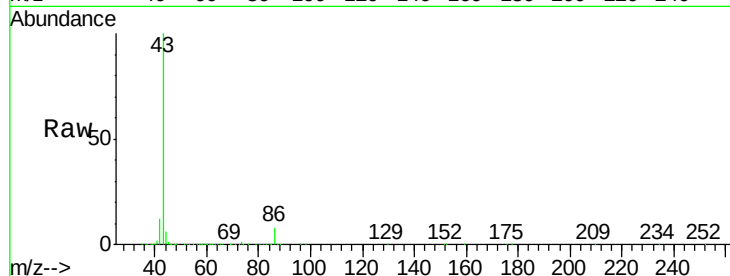
#23
 Vinyl Acetate
 Concen: 9.607 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	43	Resp	1895849
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.2
42	11.4	9.1	13.7
44	5.7	4.6	6.8

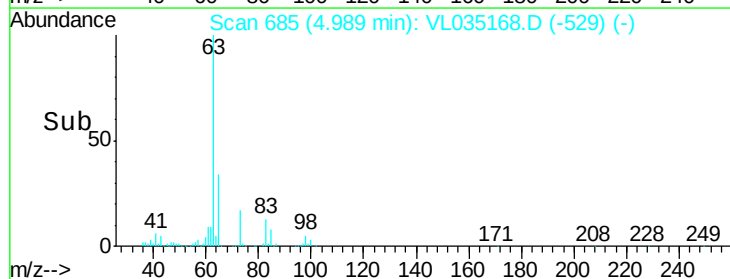
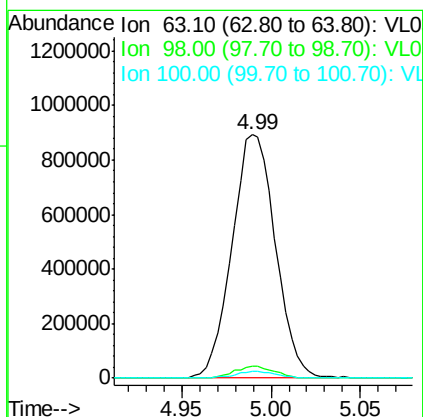
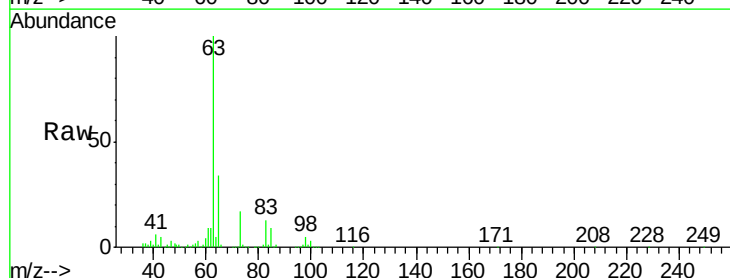
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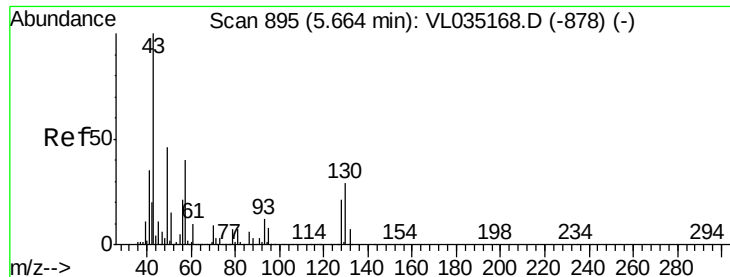
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#24
 1,1-Dichloroethane
 Concen: 9.039 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Tgt Ion	63	Resp	1513547
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.4	7.1
100	2.7	1.4	4.0





#25

Ethyl Acetate

Concen: 8.804 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2592157

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.5	12.7
61	10.1	8.1	12.1
70	7.9	6.3	9.5

43 100

45 10.6 8.5 12.7

61 10.1 8.1 12.1

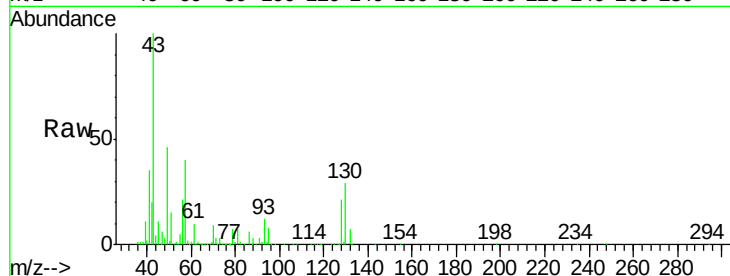
70 7.9 6.3 9.5

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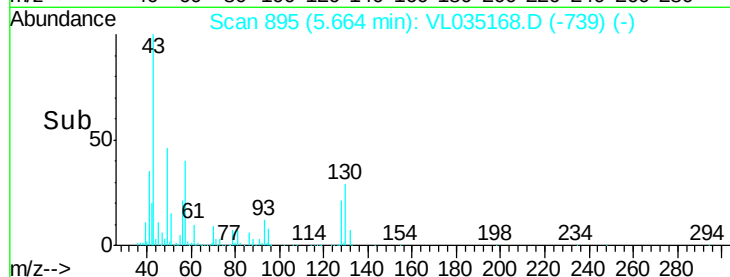
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

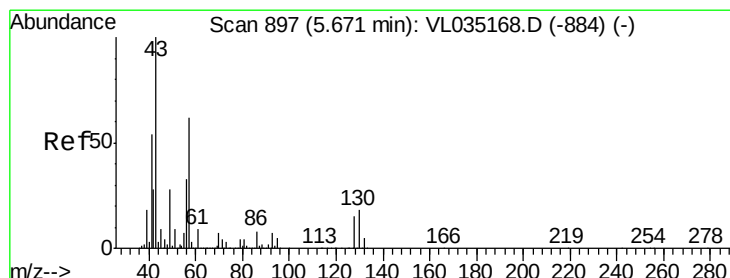
Ion 70.10 (69.80 to 70.80): VL0

Time-->



5.66

Time-->



#26

Hexane

Concen: 8.717 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

Tgt Ion: 57 Resp: 1159379

Ion	Ratio	Lower	Upper
57	100		
41	91.2	72.9	109.3
43	225.3	179.5	269.3
56	53.5	42.9	64.3

57 100

41 91.2 72.9 109.3

43 225.3 179.5 269.3

56 53.5 42.9 64.3

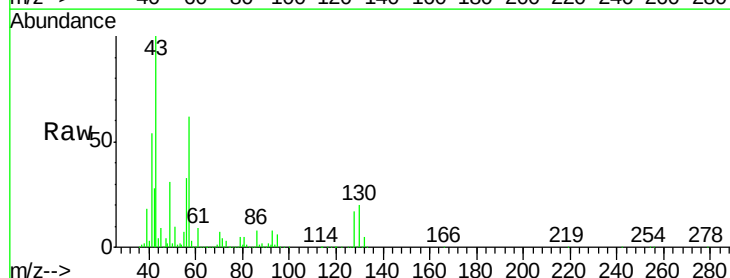
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

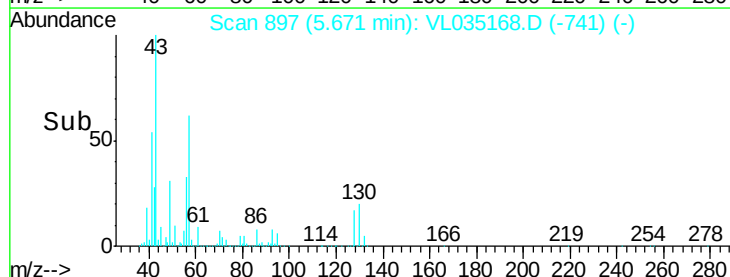
Ion 56.10 (55.80 to 56.80): VL0

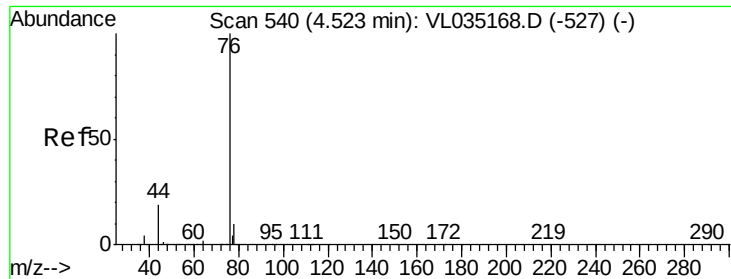
Time-->



5.67

Time-->





#27

Carbon Disulfide

Concen: 11.525 ppbv

RT: 4.52 min Scan# 540

Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 1635975

Ion Ratio Lower Upper

76 100

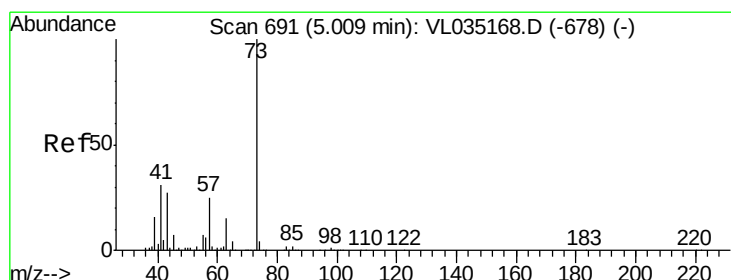
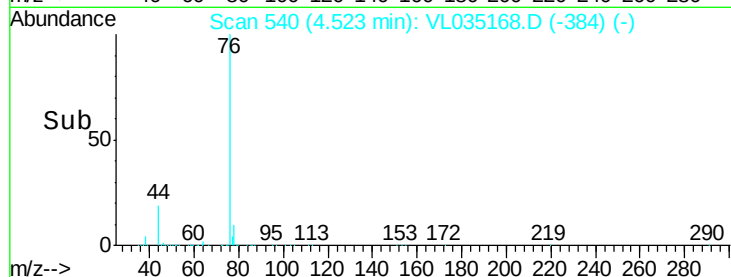
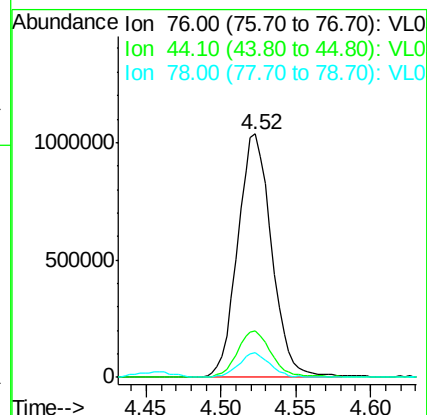
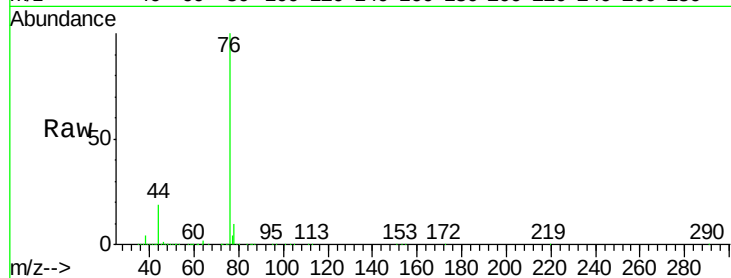
44 18.9 14.9 22.3

78 9.5 7.5 11.3

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#28

Methyl tert-Butyl Ether

Concen: 9.621 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL035168.D

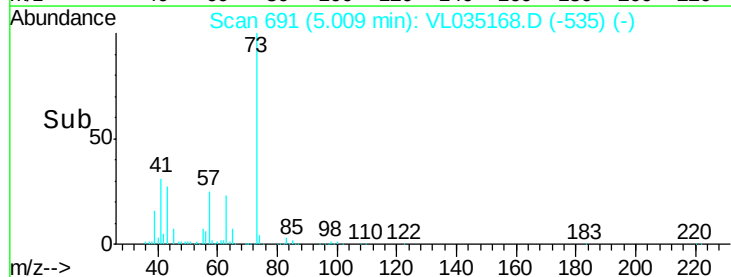
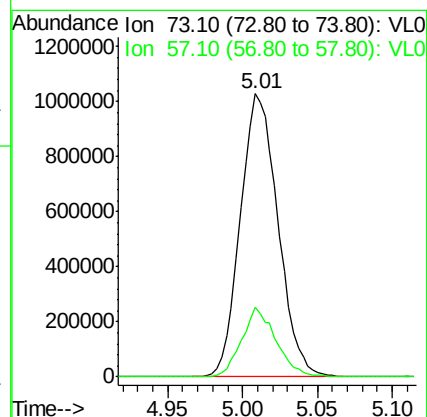
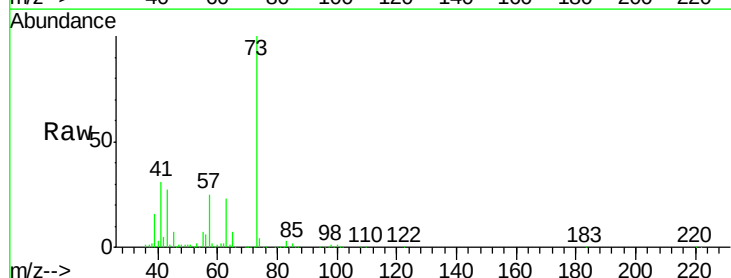
Acq: 8 Jul 2020 2:37

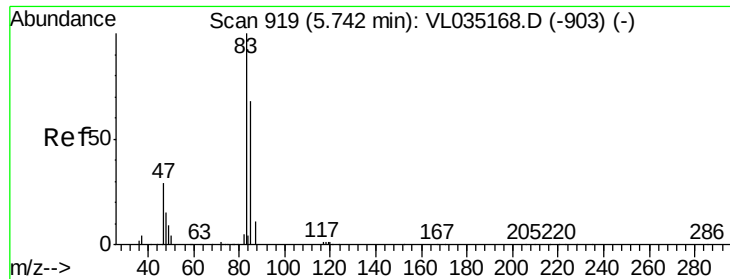
Tgt Ion: 73 Resp: 1800985

Ion Ratio Lower Upper

73 100

57 22.6 18.1 27.1





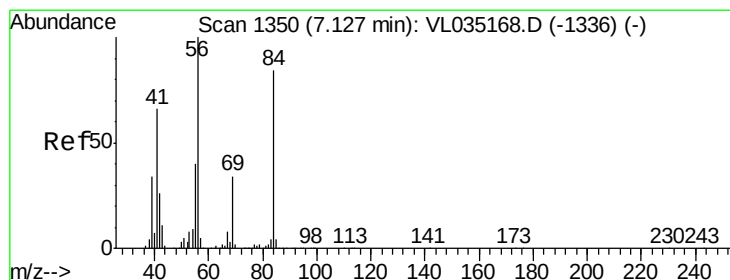
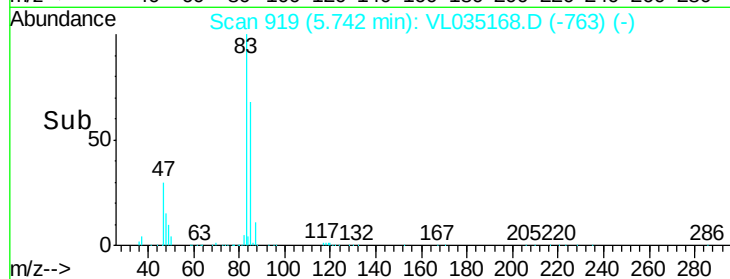
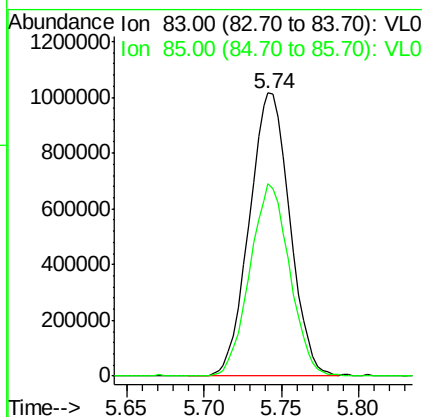
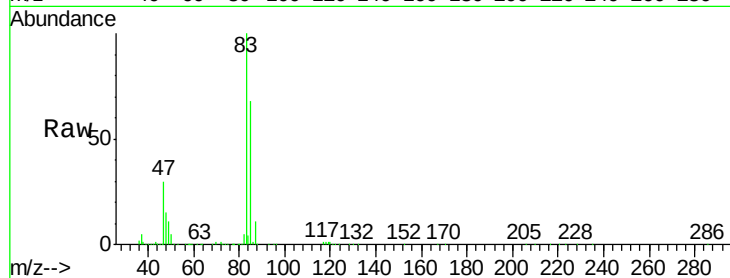
#29
Chloroform
Concen: 8.870 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 1849324
Ion Ratio Lower Upper
83 100
85 67.9 54.3 81.5

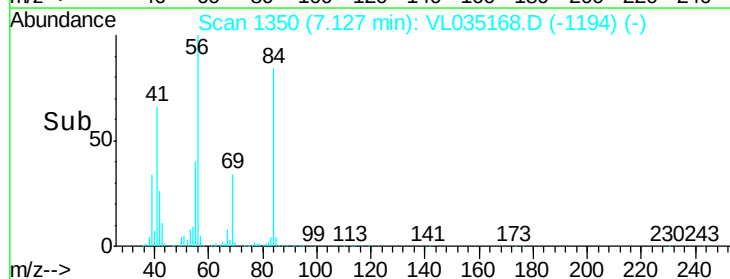
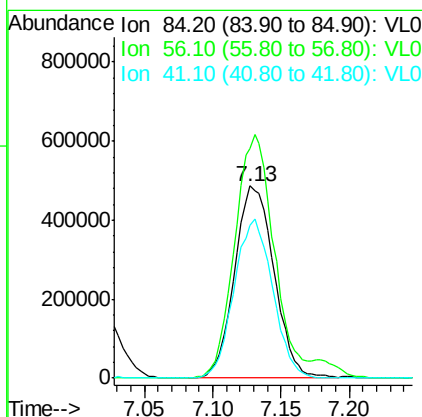
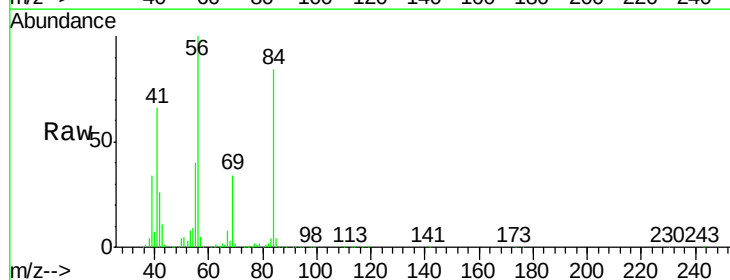
Manual Integrations
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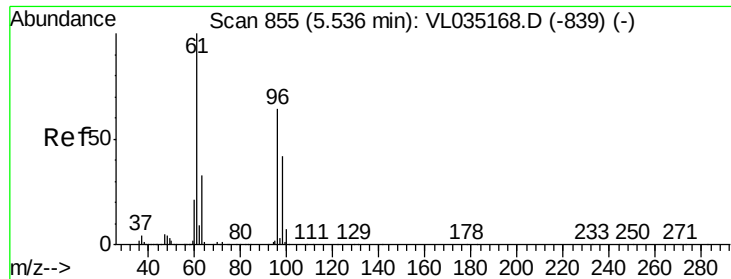
MMDadoda
7/9/2020 12:02:26 PM



#30
Cyclohexane
Concen: 10.317 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Tgt Ion: 84 Resp: 981333
Ion Ratio Lower Upper
84 100
56 132.0 105.6 158.4
41 81.3 64.9 97.3





#31

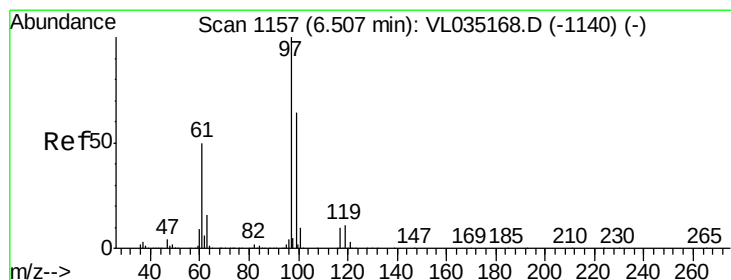
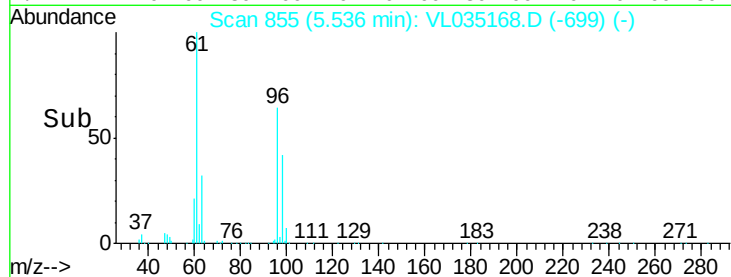
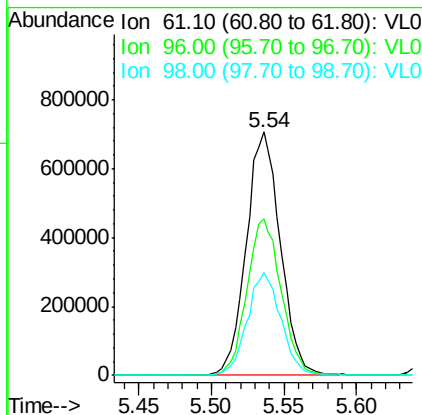
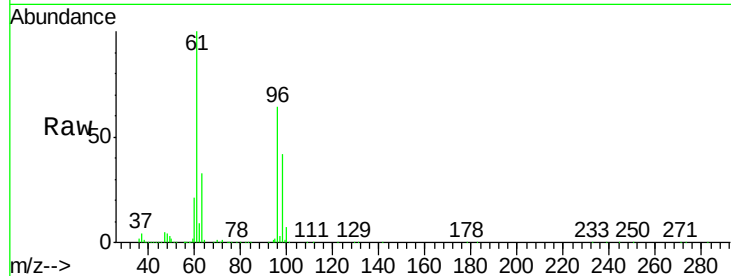
cis-1,2-Dichloroethene
 Concen: 9.489 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.1	51.3	76.9
98	42.3	33.8	50.8

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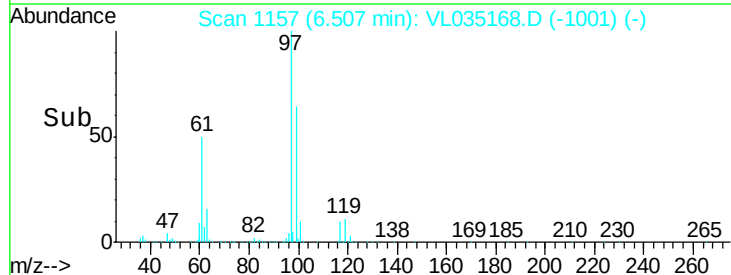
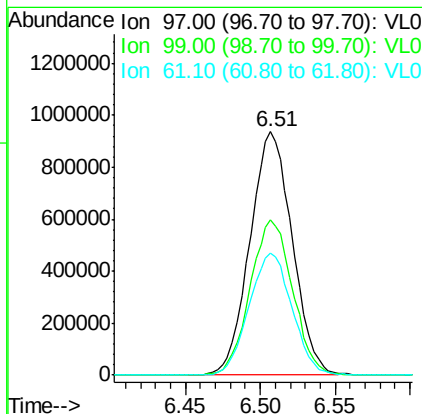
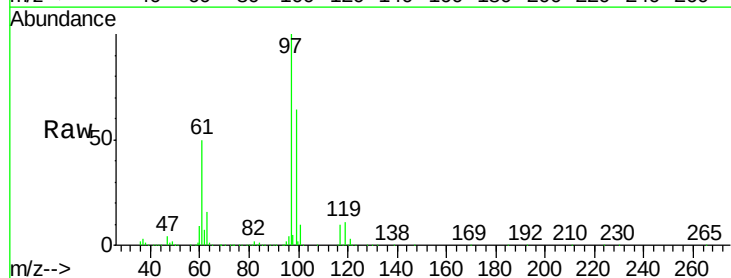
MMDadoda
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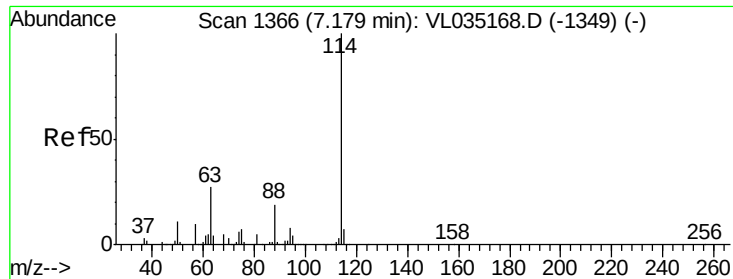


#32

1,1,1-Trichloroethane
 Concen: 9.477 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	51.1	40.9	61.3





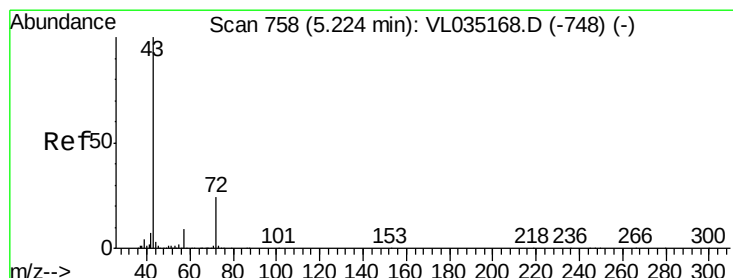
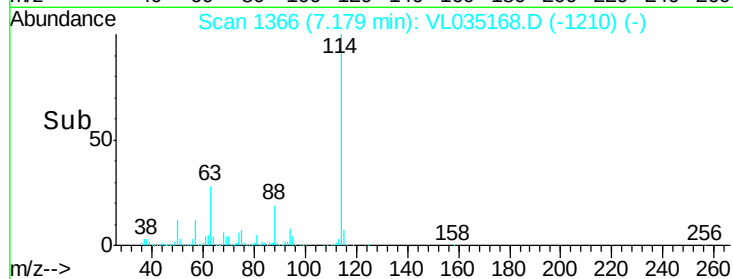
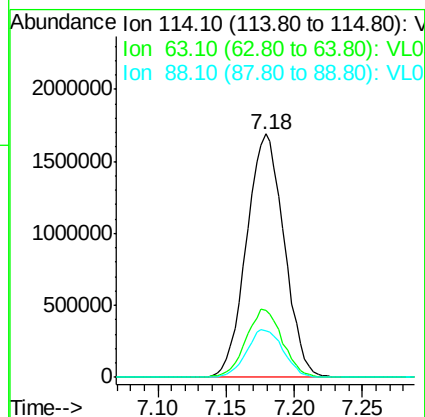
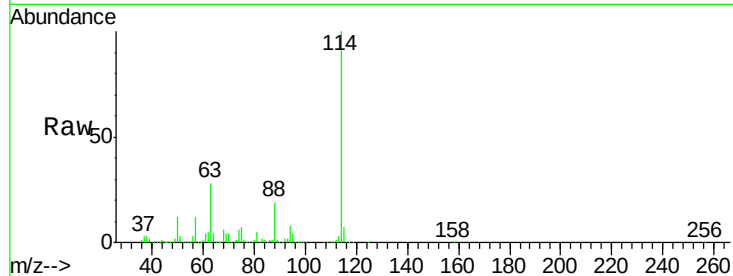
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.0	33.0
88	19.2	15.4	23.0

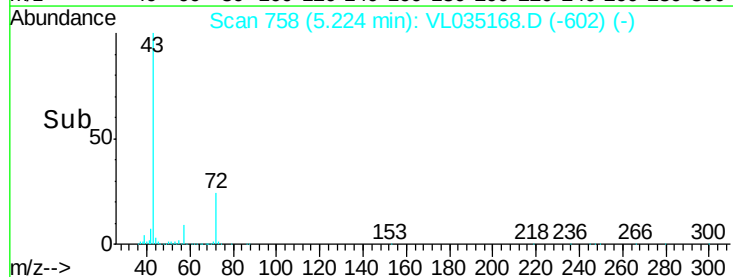
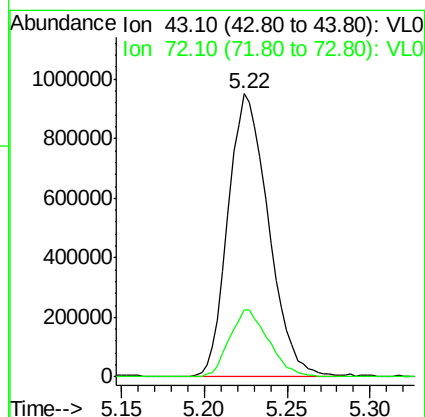
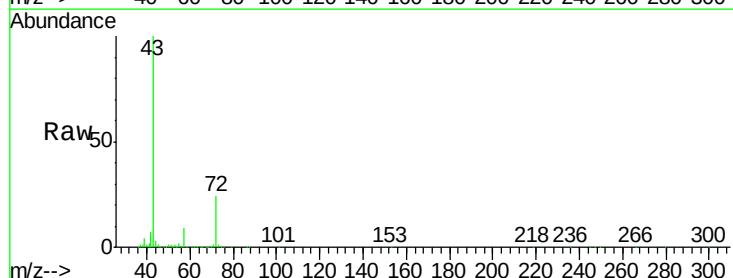
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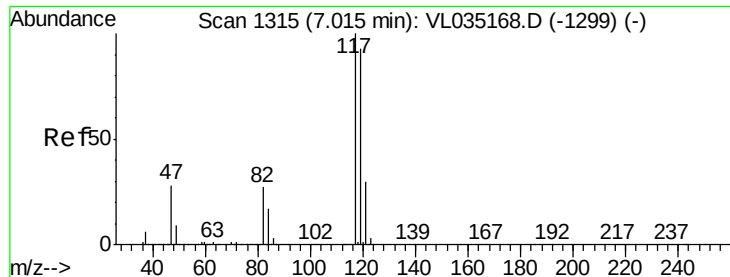
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#34
 2-Butanone
 Concen: 8.750 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.6	28.0





#35

Carbon Tetrachloride

Concen: 9.801 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

Instrument :

MSVOA_L

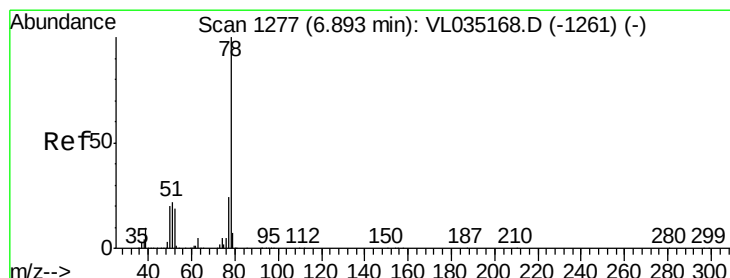
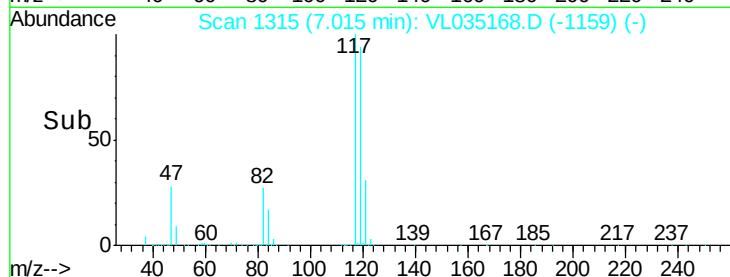
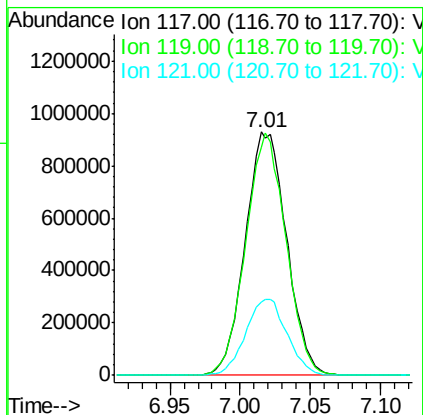
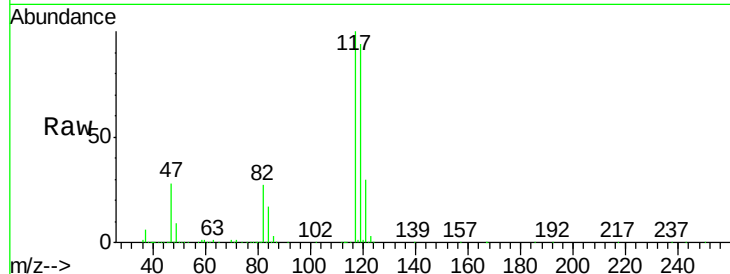
ClientSampleId :

VSTDICCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.5	74.8	112.2
121	30.2	24.2	36.2

Manual Integrations
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#36

Benzene

Concen: 9.199 ppbv

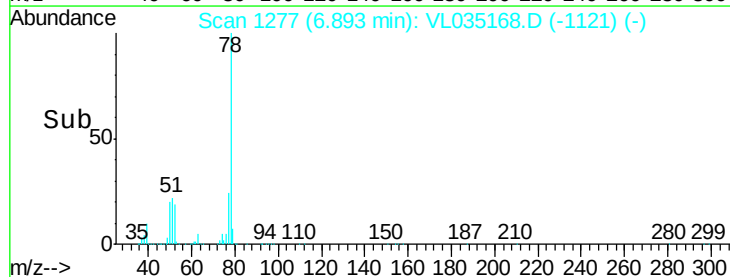
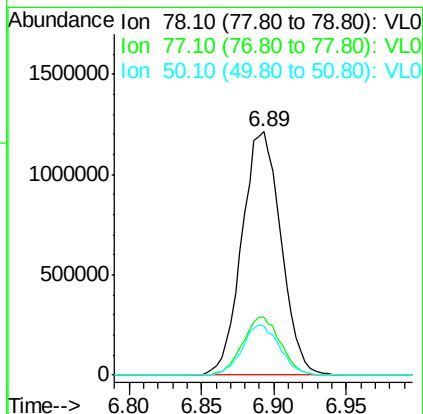
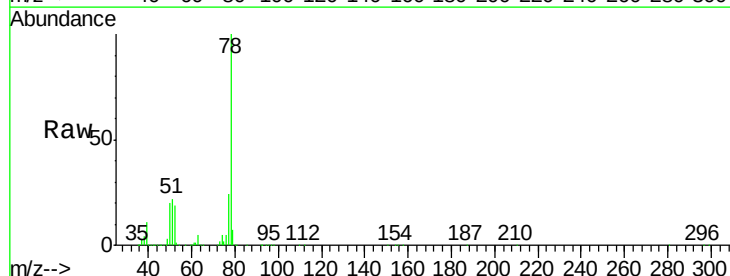
RT: 6.89 min Scan# 1277

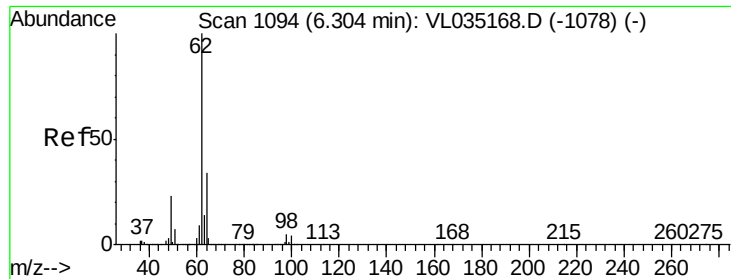
Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9
50	20.0	16.0	24.0





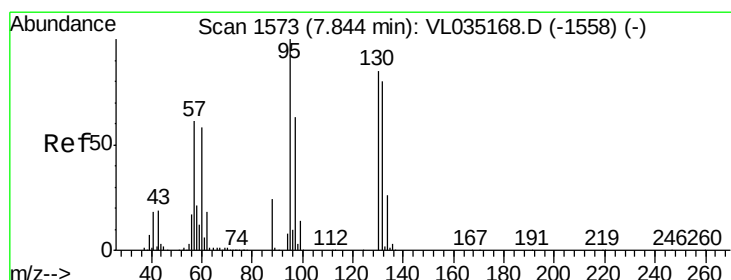
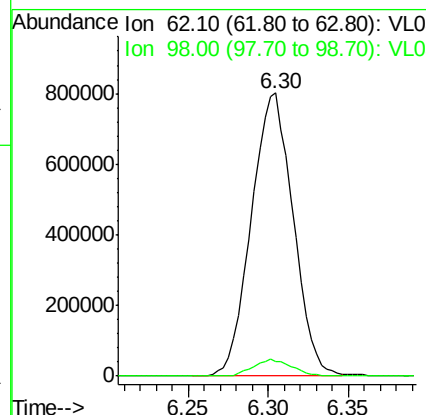
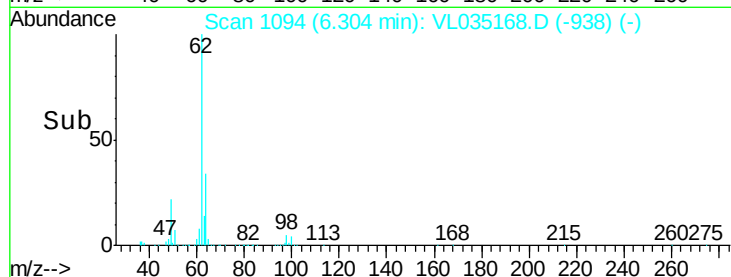
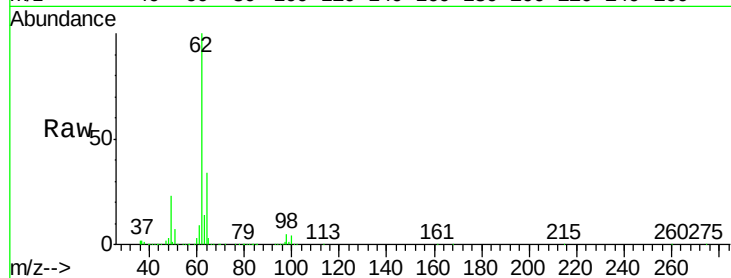
#37
 1,2-Dichloroethane
 Concen: 9.101 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.6	6.8

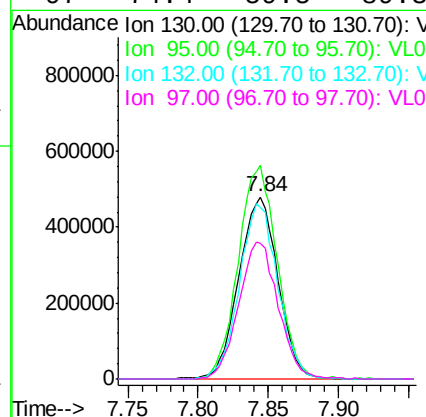
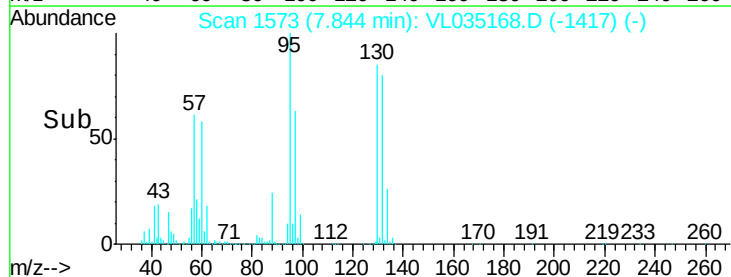
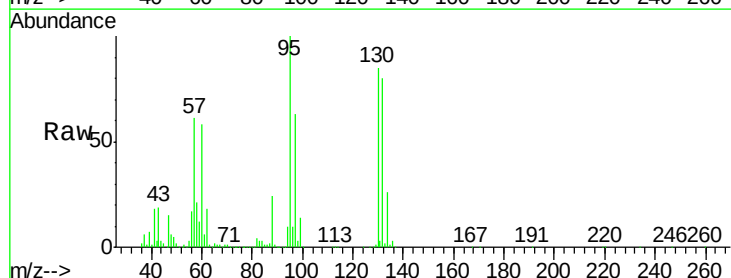
Manual Integrations
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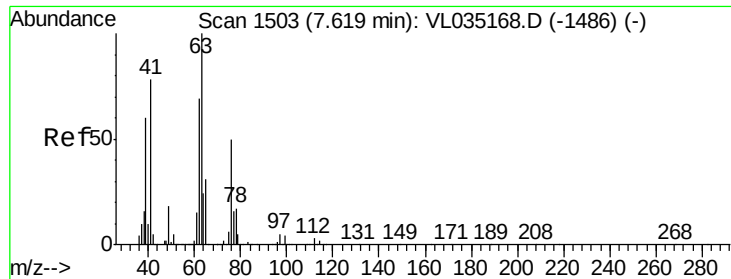
MMDadoda
 7/9/2020 12:02:26 PM



#38
 Trichloroethene
 Concen: 9.561 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	117.3	93.8	140.8
132	93.7	75.0	112.4
97	74.4	59.5	89.3





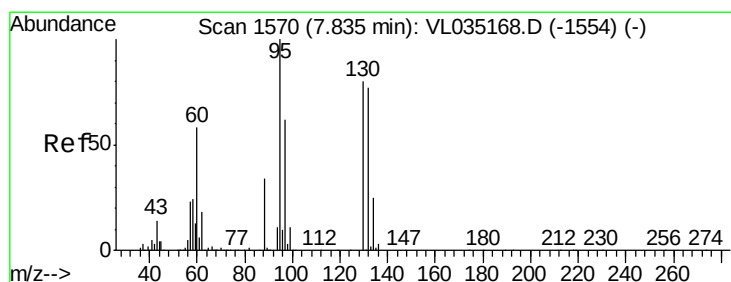
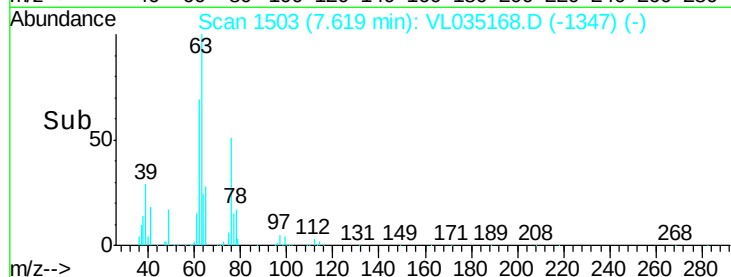
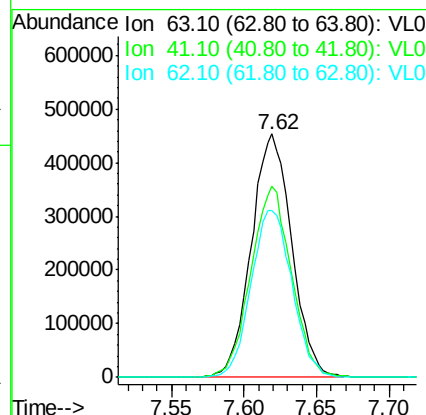
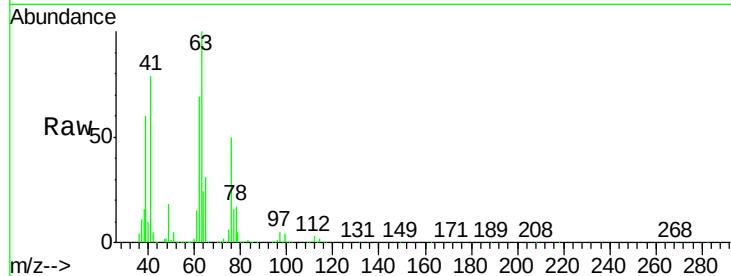
#39
 1,2-Dichloropropane
 Concen: 9.114 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	78.3	62.6	94.0
62	68.8	55.0	82.6

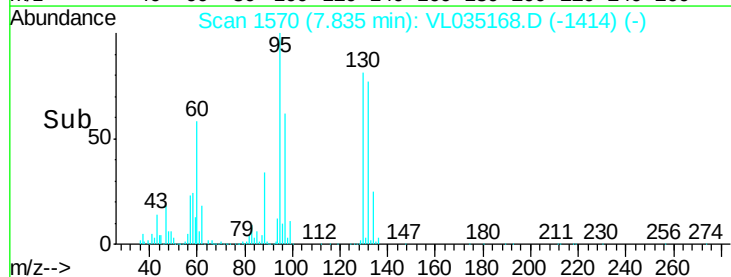
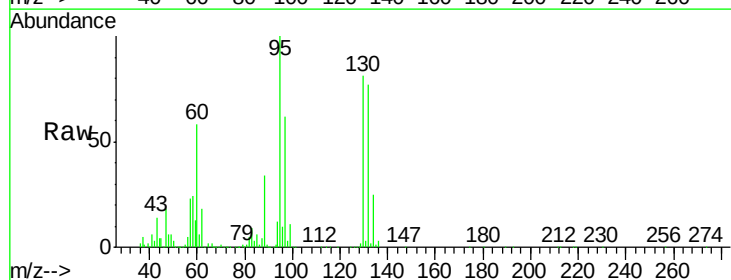
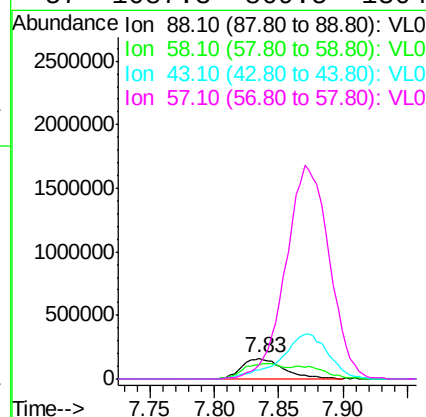
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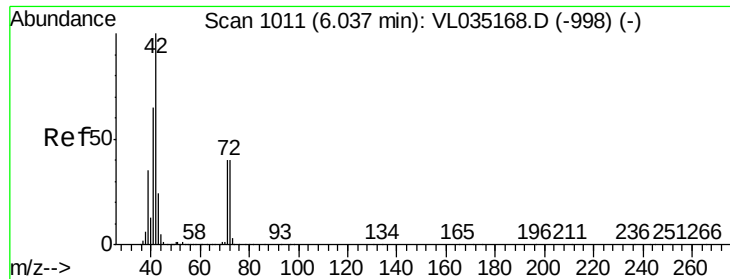
MMDadoda
 7/9/2020 12:02:26 PM



#40
 1,4-Dioxane
 Concen: 9.297 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Tgt Ion	Ratio	Lower	Upper
88	100		
58	125.3	100.2	150.4
43	249.6	199.8	299.8
57	1087.3	869.5	1304.3





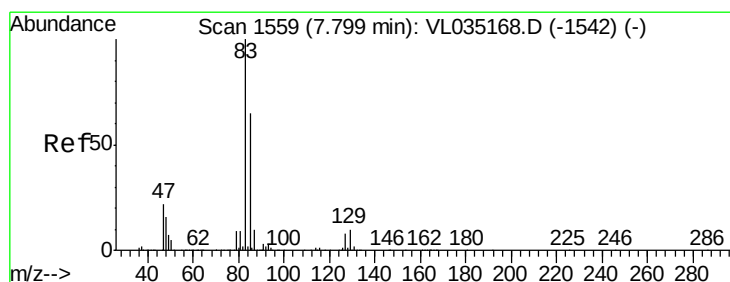
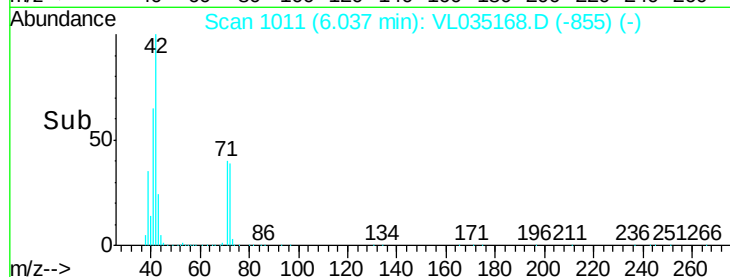
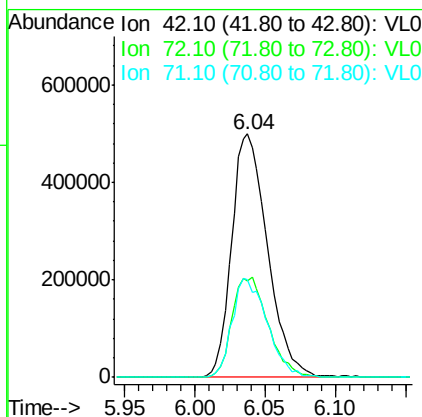
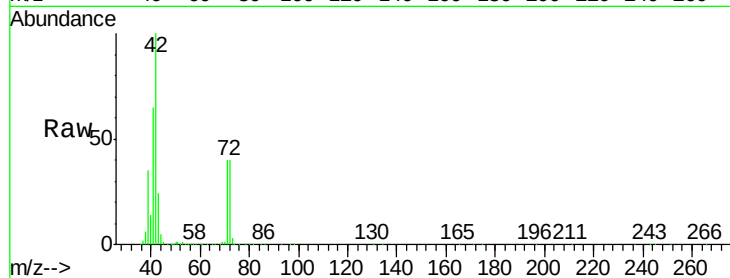
#41
Tetrahydrofuran
Concen: 9.538 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.4	50.2
71	40.1	31.9	47.9

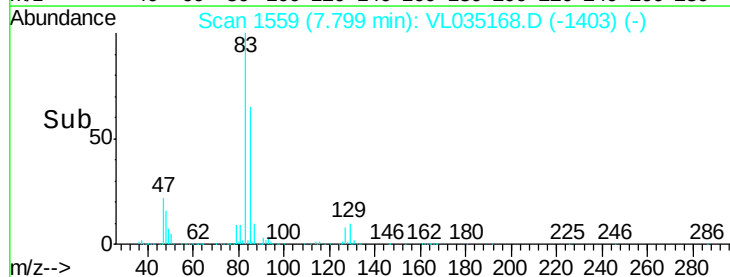
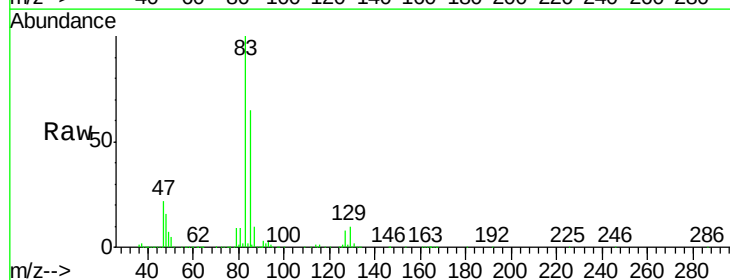
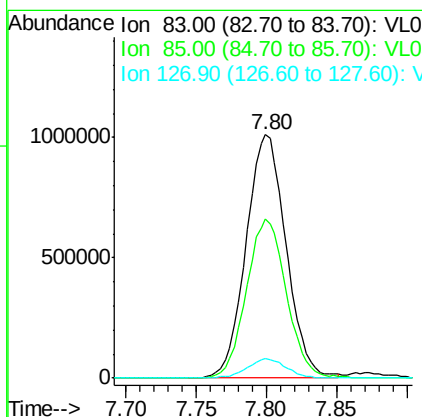
Manual Integrations
APPROVED

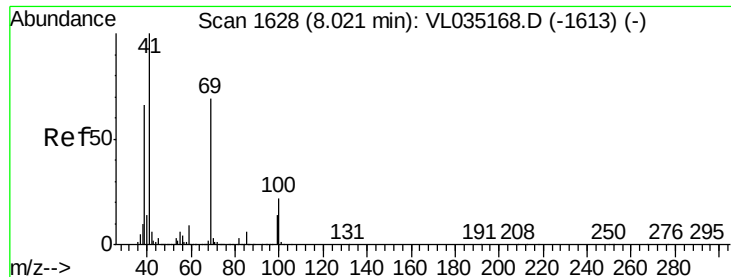
MMDadoda
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#42
Bromodichloromethane
Concen: 9.806 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4
127	7.9	6.3	9.5





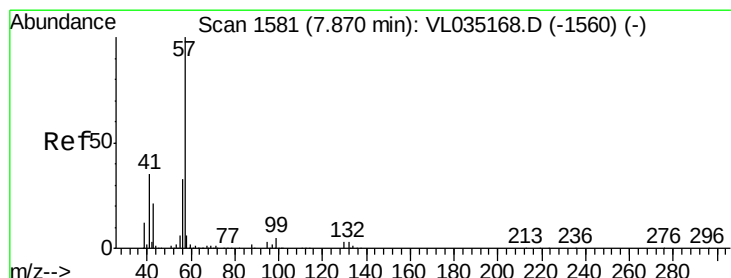
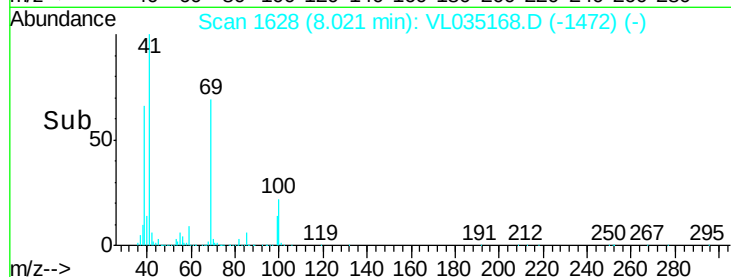
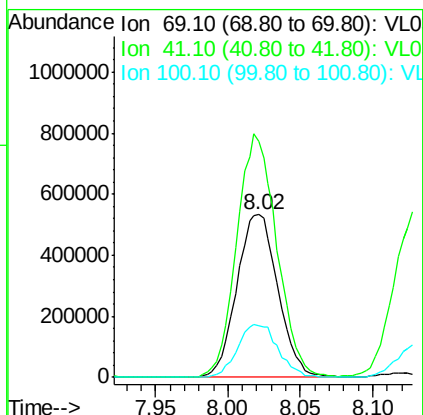
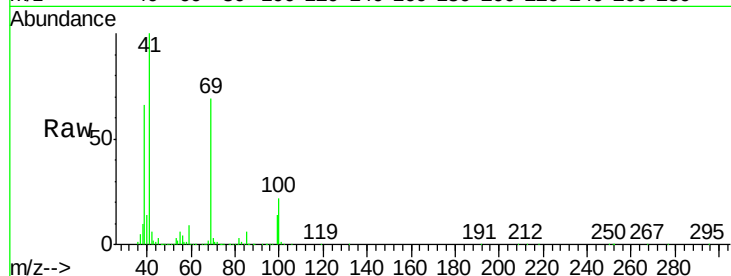
#43
Methyl Methacrylate
Concen: 10.006 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 69 Resp: 1049537
Ion Ratio Lower Upper
69 100
41 145.4 116.3 174.5
100 32.0 25.6 38.4

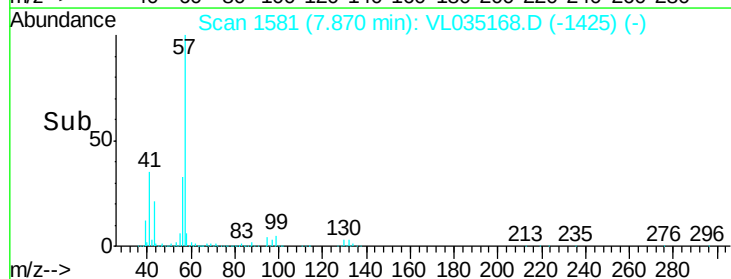
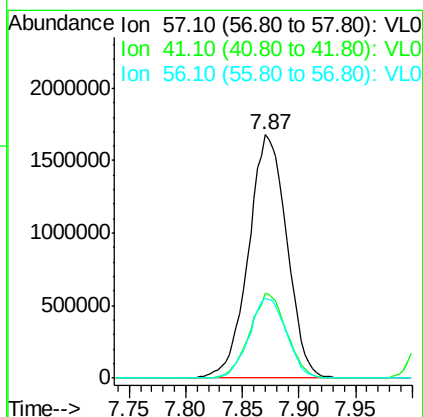
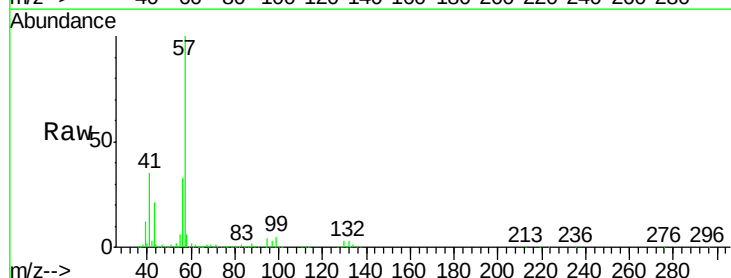
Manual Integrations
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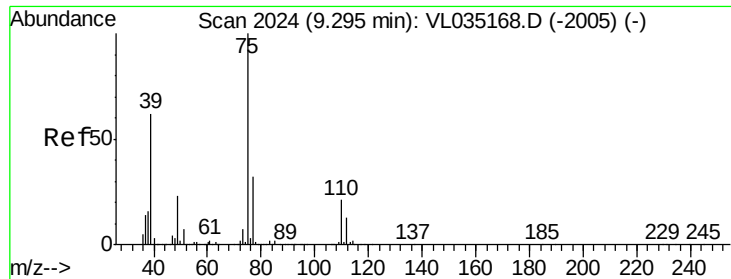
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.098 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Tgt Ion: 57 Resp: 3938271
Ion Ratio Lower Upper
57 100
41 33.8 27.0 40.6
56 31.9 25.5 38.3





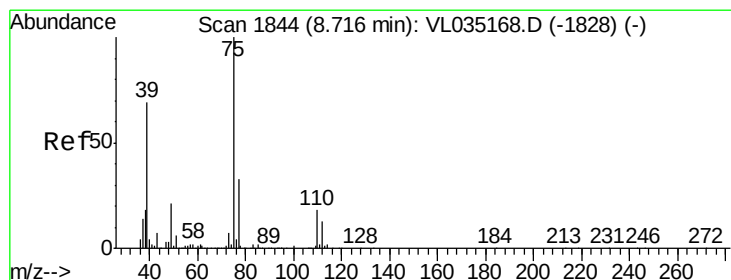
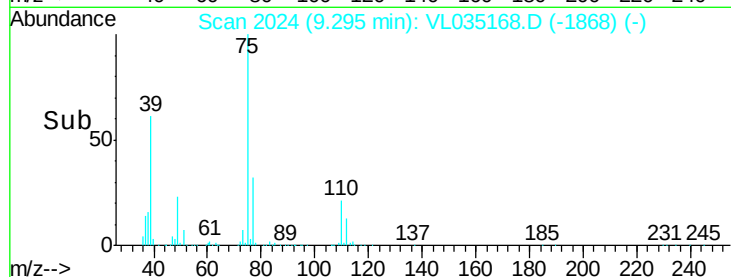
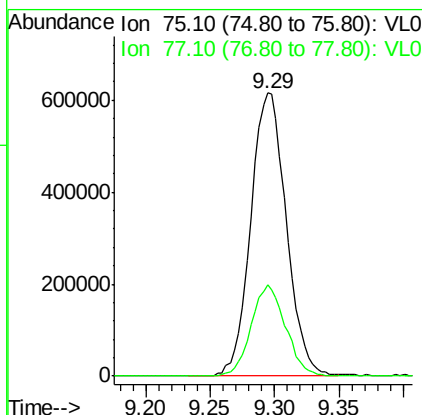
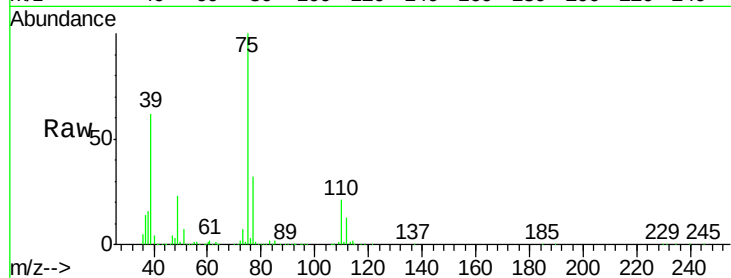
#45
t-1,3-Dichloropropene
Concen: 11.575 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 75 Resp: 1185343
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8

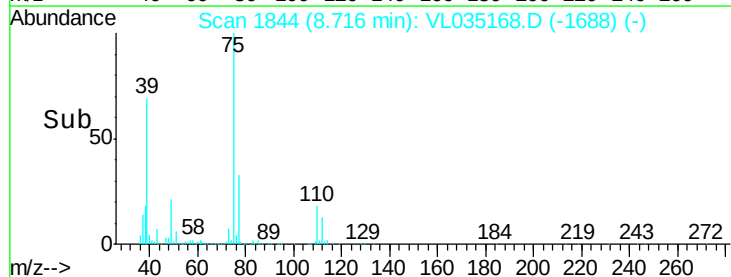
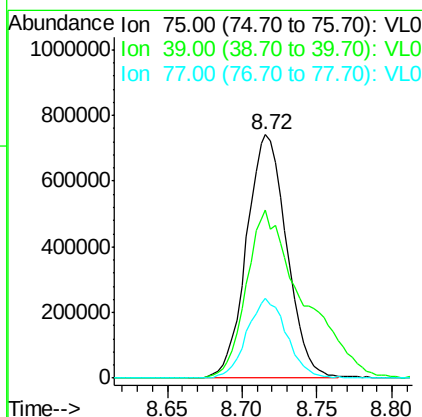
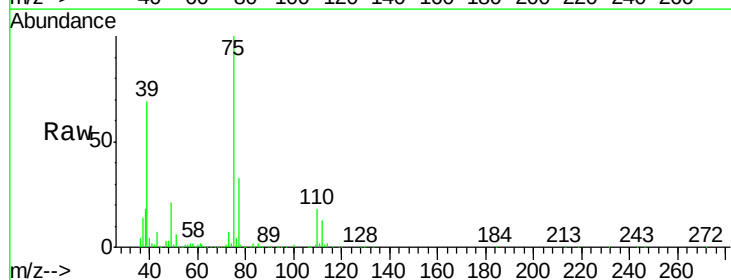
Manual Integrations
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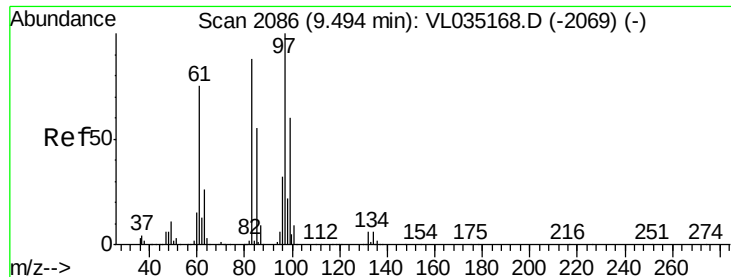
MMDadoda
7/9/2020 12:02:26 PM



#46
cis-1,3-Dichloropropene
Concen: 10.895 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Tgt Ion: 75 Resp: 1383283
Ion Ratio Lower Upper
75 100
39 69.0 55.2 82.8
77 32.5 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 9.207 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

Instrument :

MSVOA_L

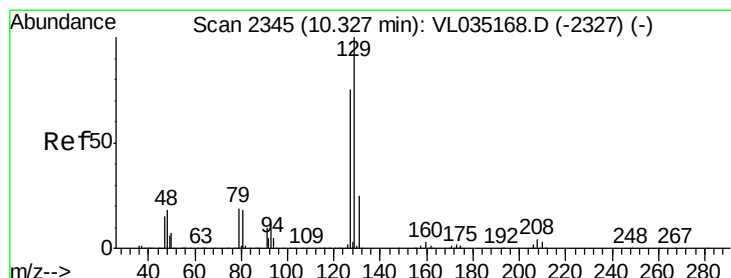
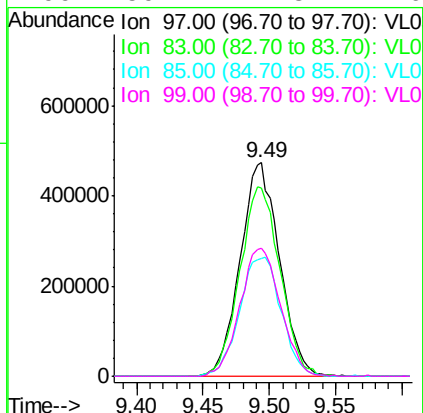
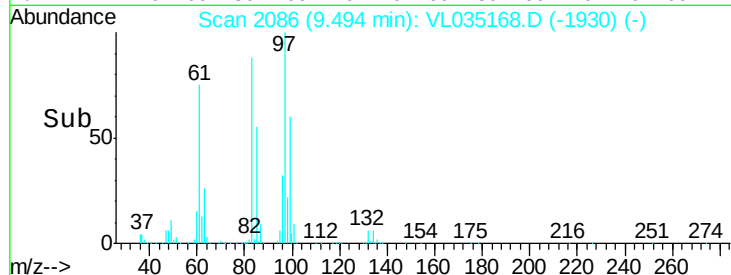
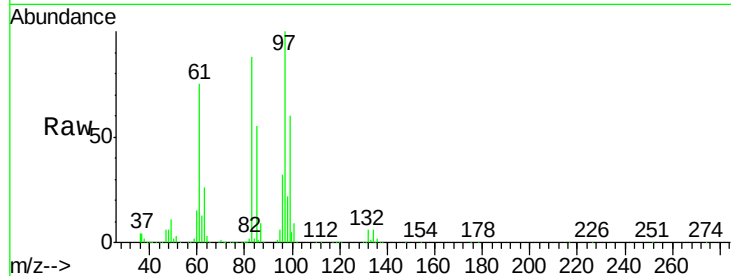
ClientSampleId :

VSTDICCC010

Tot Ion:	97	Resp:	977916
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.3	105.5
85	55.4	44.3	66.5
99	59.7	47.8	71.6

Manual Integrations
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#48

Dibromochloromethane

Concen: 10.546 ppbv

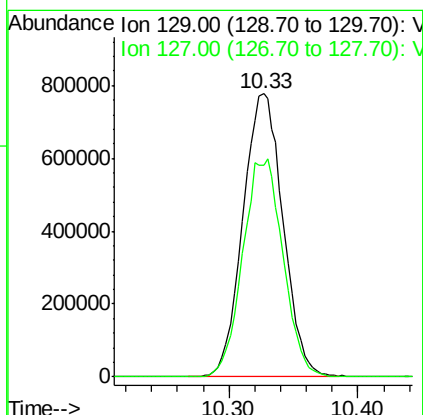
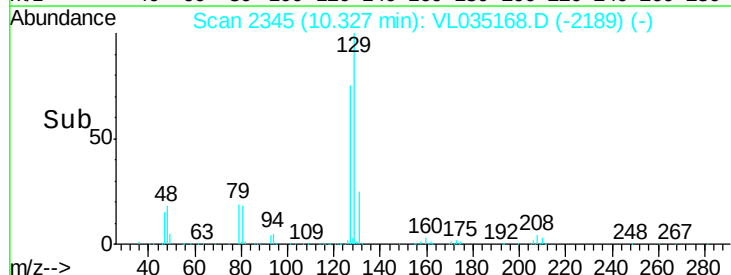
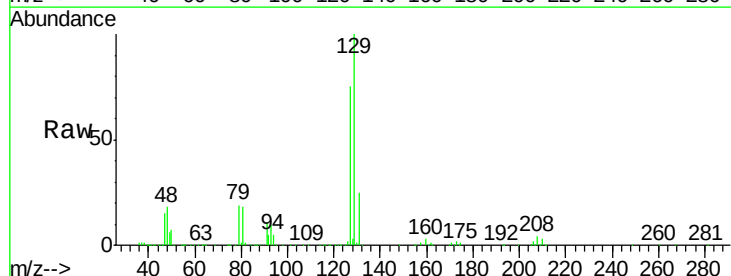
RT: 10.33 min Scan# 2345

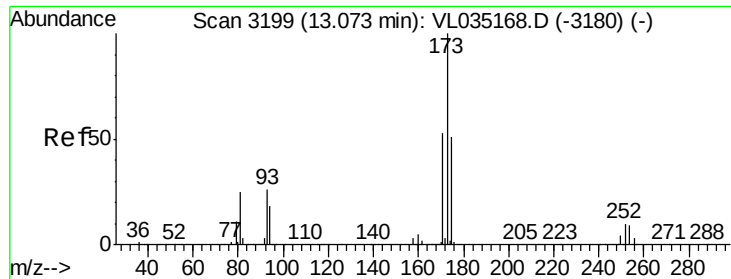
Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

Tgt Ion:	129	Resp:	1683112
Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.8	116.3





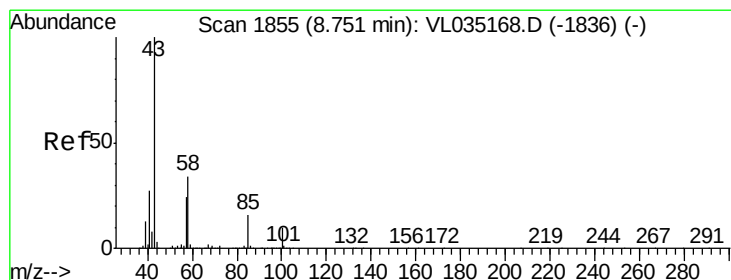
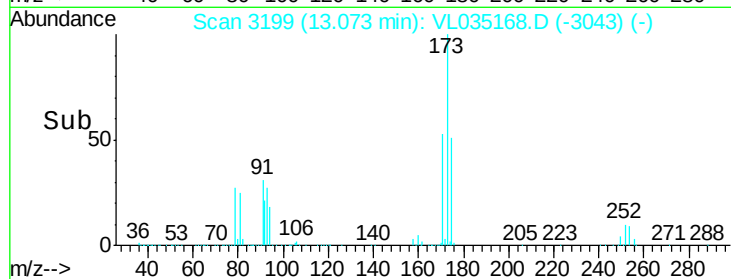
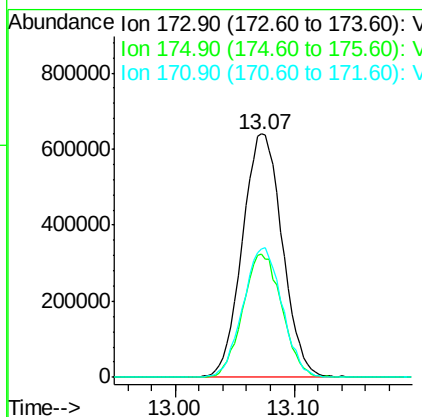
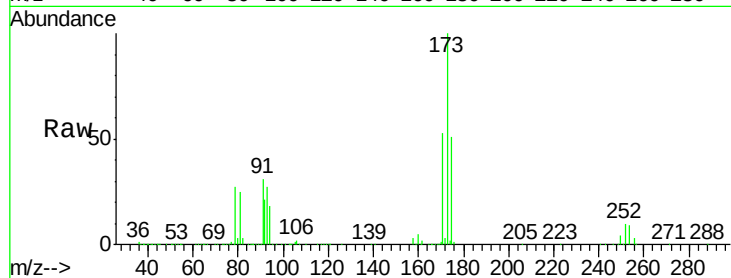
#49
Bromoform
Concen: 10.943 ppbv
RT: 13.07 min Scan# 3199
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:173 Resp: 1488640
Ion Ratio Lower Upper
173 100
175 49.6 39.7 59.5
171 52.0 41.6 62.4

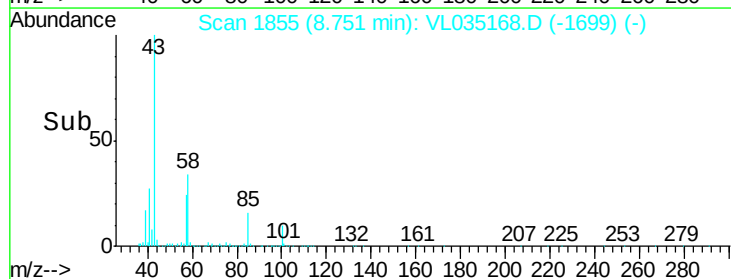
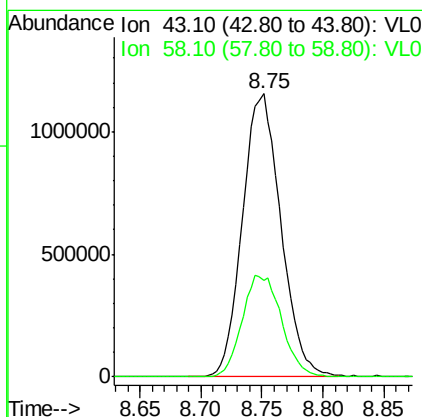
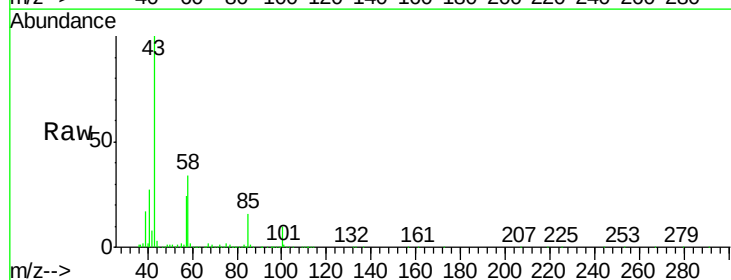
Manual Integrations
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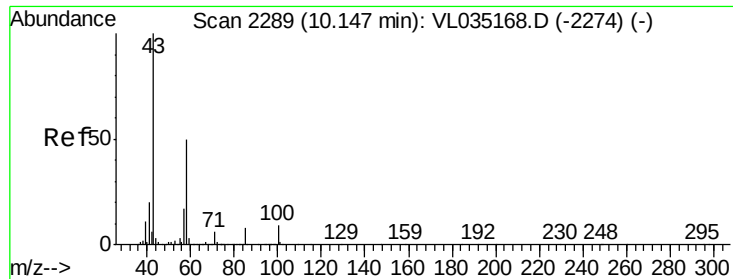
MMDadoda
7/9/2020 12:02:26 PM



#50
4-Methyl-2-Pentanone
Concen: 9.578 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Tgt Ion: 43 Resp: 2511993
Ion Ratio Lower Upper
43 100
58 36.8 29.4 44.2





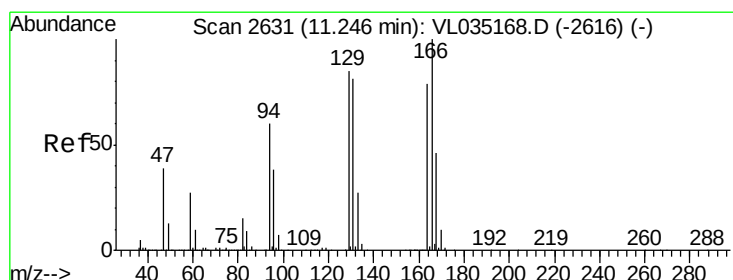
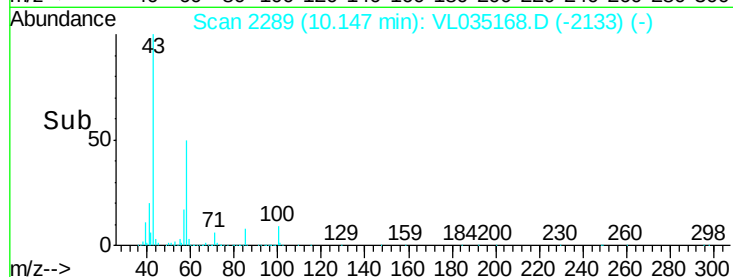
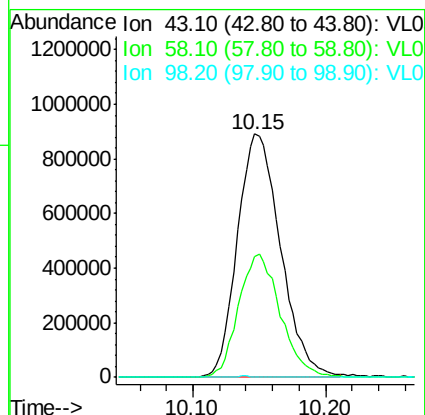
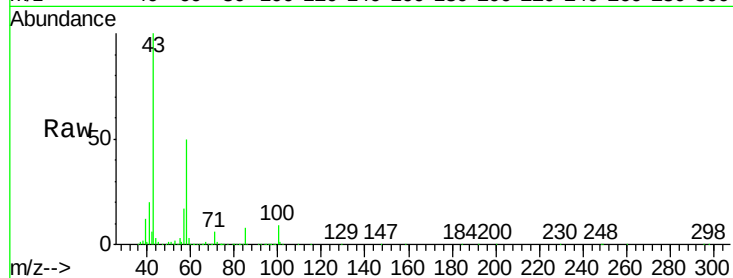
#51
2-Hexanone
Concen: 9.865 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.1	39.4	59.0
98	0.3	0.3	0.5

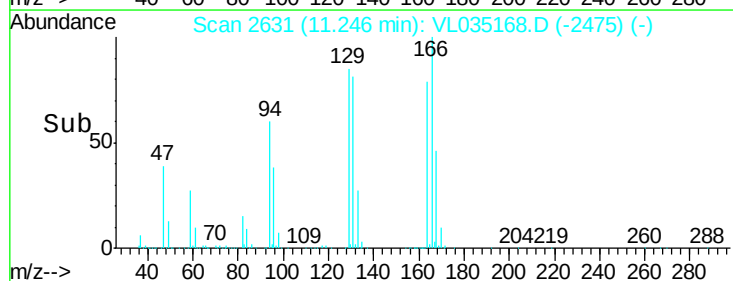
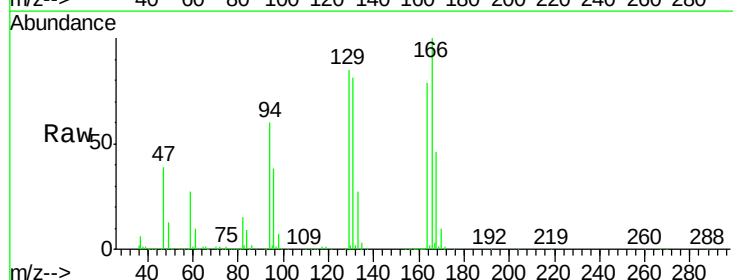
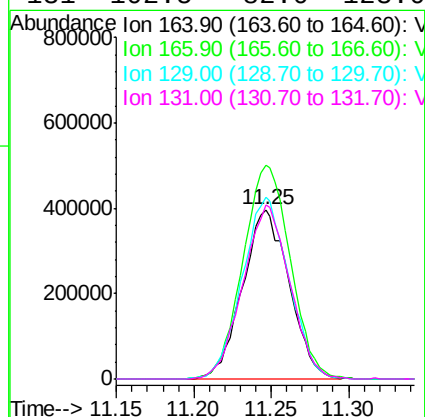
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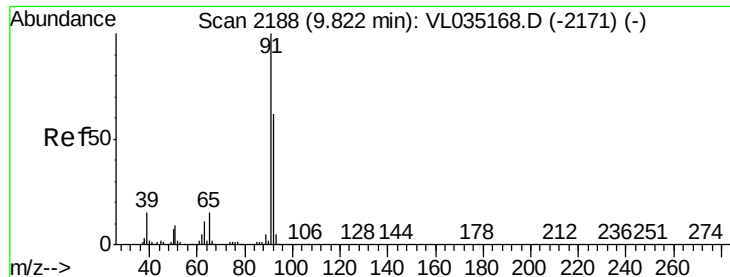
MMDadoda
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#52
Tetrachloroethene
Concen: 9.408 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.7	151.1
129	107.2	85.8	128.6
131	102.5	82.0	123.0





#53

Toluene

Concen: 10.148 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2689952

Ion Ratio Lower Upper

91 100

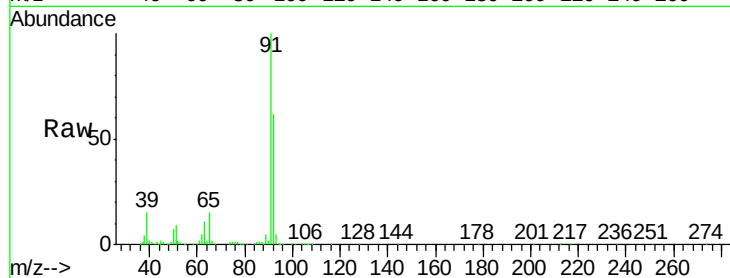
92 60.4 48.4 72.6

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

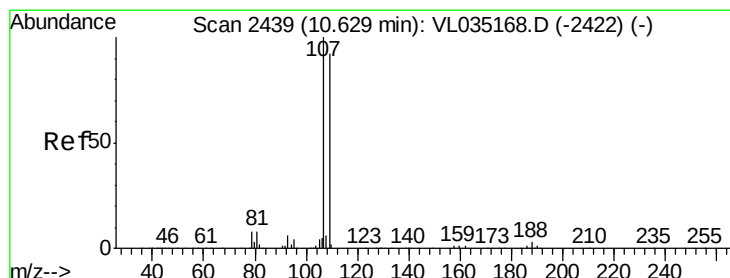
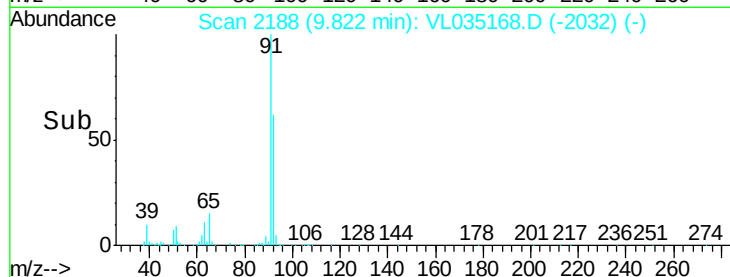
1000000

500000

0

9.75 9.80 9.85 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 9.473 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL035168.D

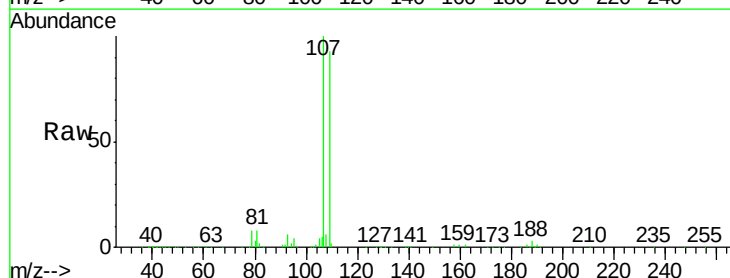
Acq: 8 Jul 2020 2:37

Tgt Ion: 107 Resp: 1493604

Ion Ratio Lower Upper

107 100

109 92.5 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

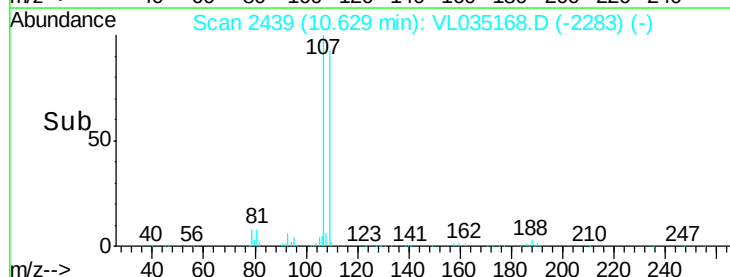
400000

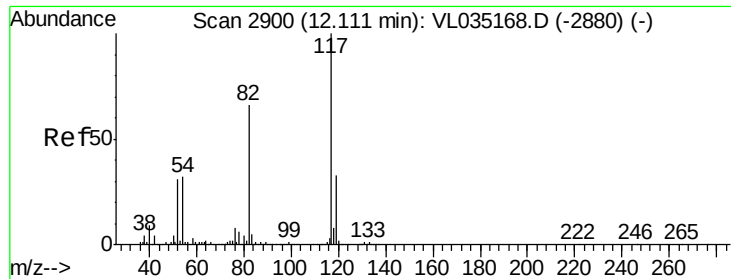
200000

0

10.60 10.63 10.70

Time-->





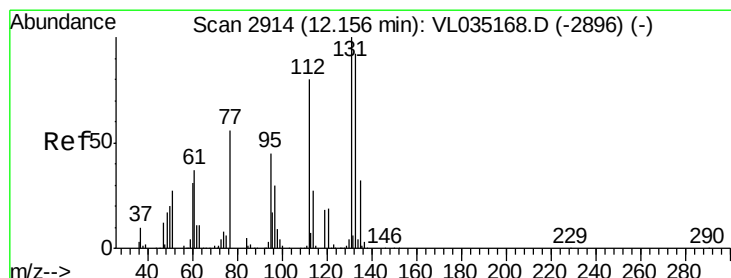
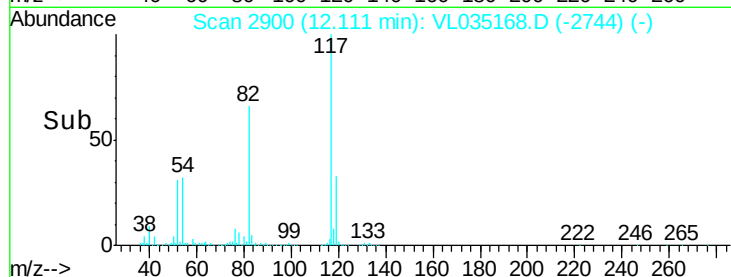
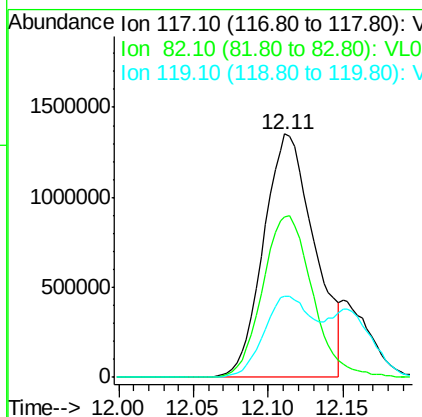
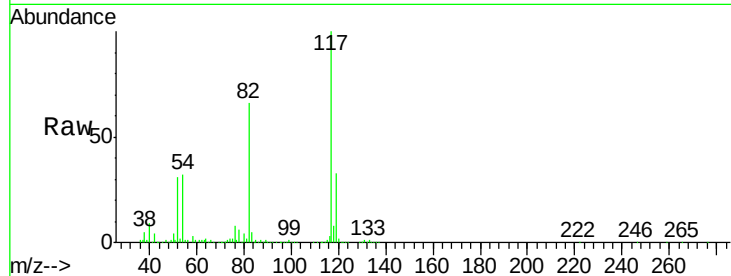
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.3	52.3	78.5
119	34.9	24.9	37.3

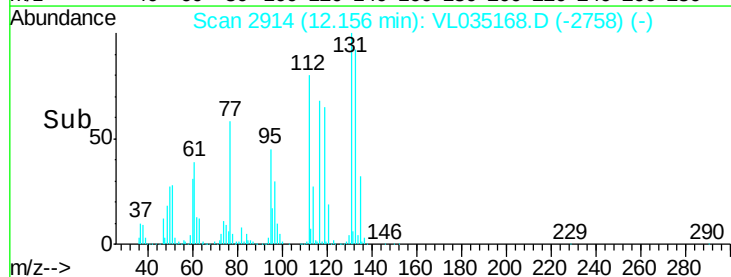
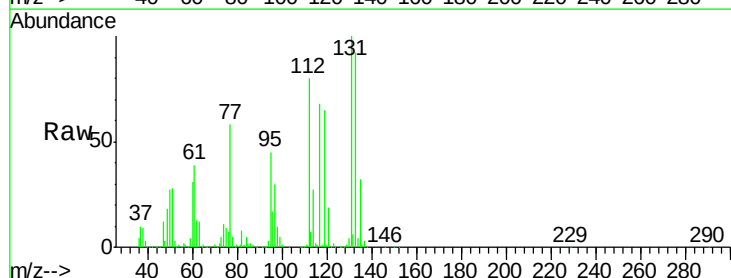
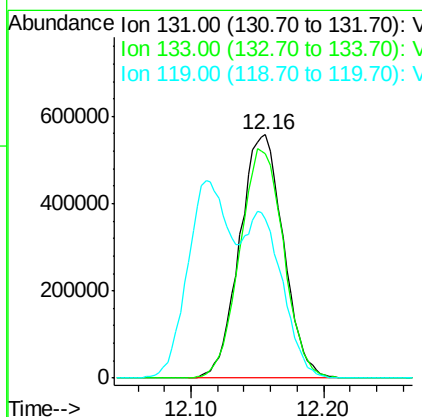
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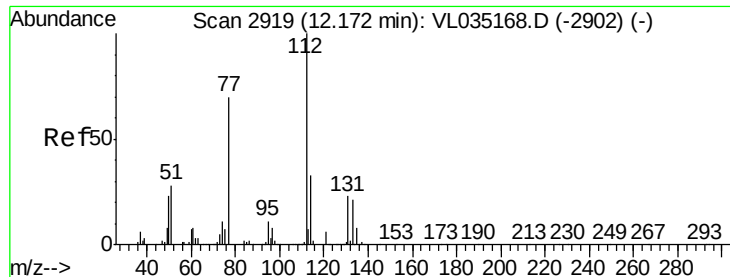
MMDadoda
7/9/2020 12:02:26 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.656 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	75.4	113.2
119	57.8	42.4	63.6





#57

Chlorobenzene

Concen: 8.815 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 112 Resp: 2082079

Ion Ratio Lower Upper

112 100

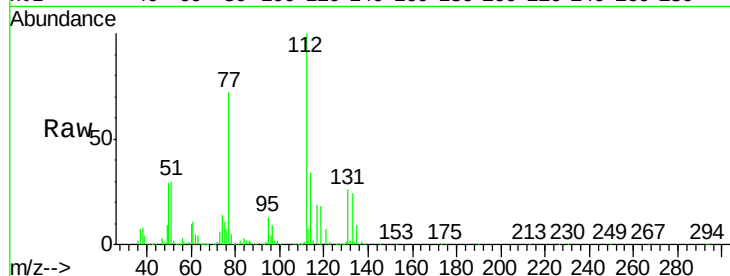
77 71.2 57.0 85.4

114 33.6 30.2 37.0

Manual Integrations
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MMDadoda

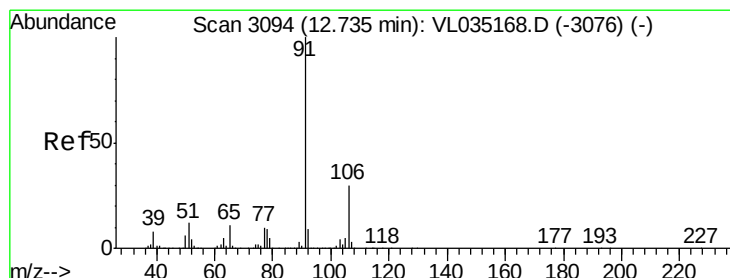
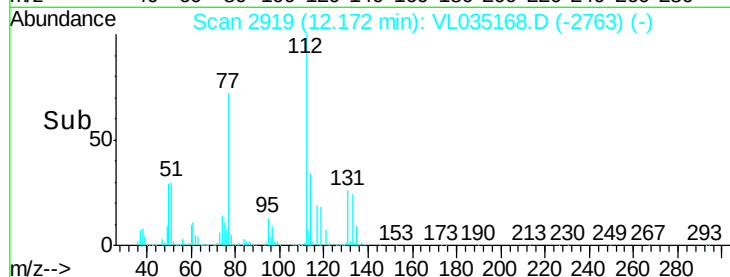
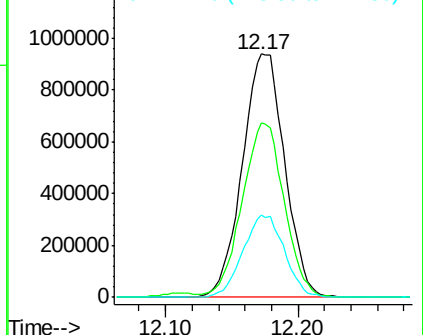
7/9/2020 12:02:26 PM



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: 10.118 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. 0.00 min

Lab File: VL035168.D

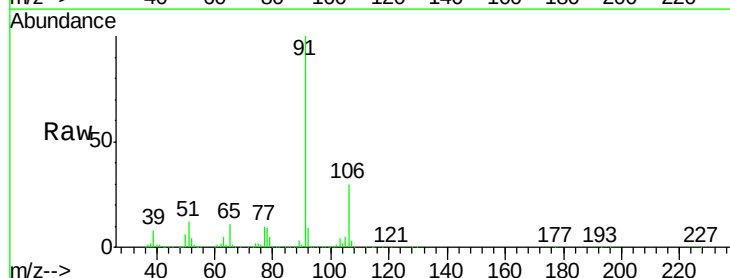
Acq: 8 Jul 2020 2:37

Tgt Ion: 91 Resp: 3657436

Ion Ratio Lower Upper

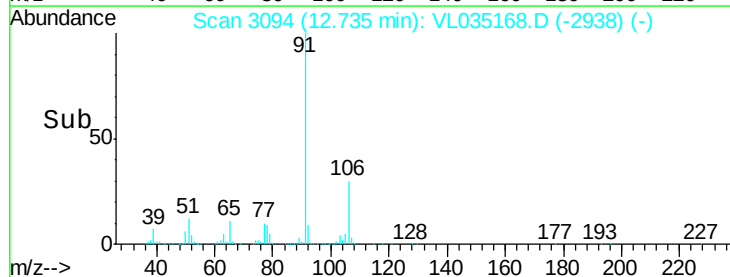
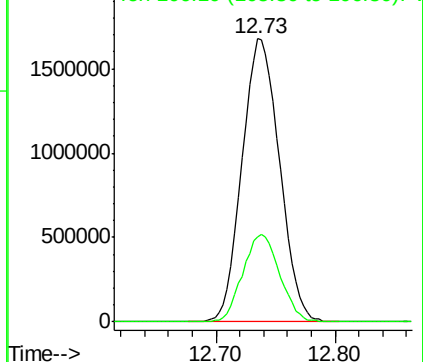
91 100

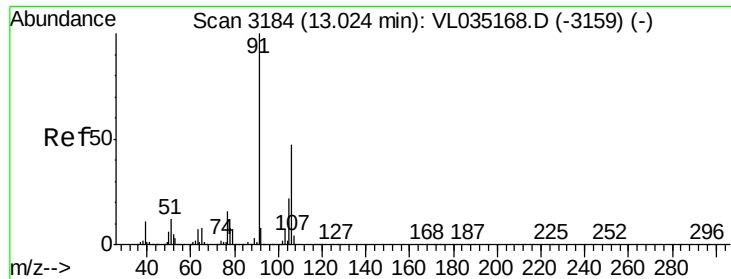
106 30.2 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





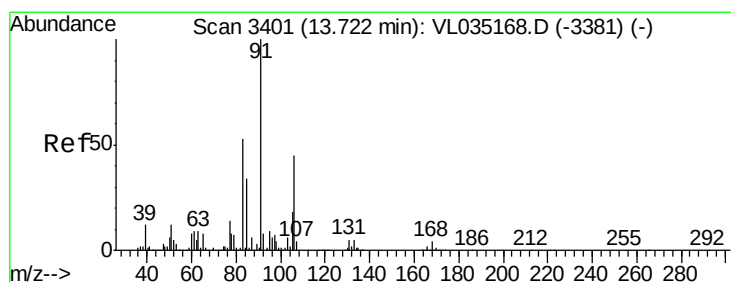
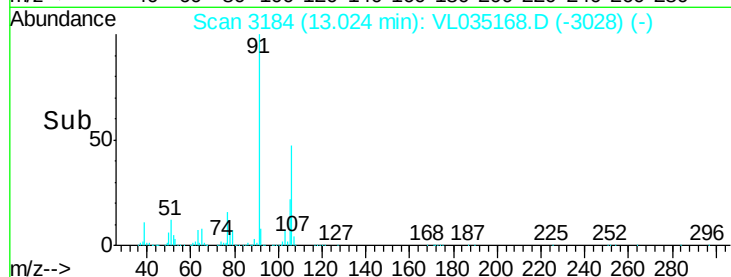
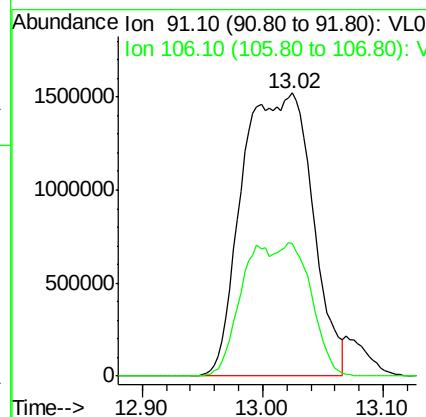
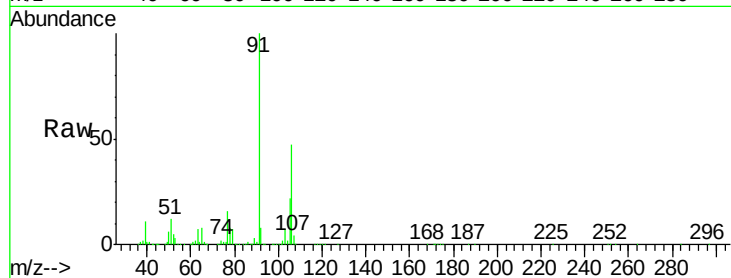
#59
m/p-Xylene
Concen: 19.045 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 6101529
Ion Ratio Lower Upper
91 100
106 45.2 36.2 54.2

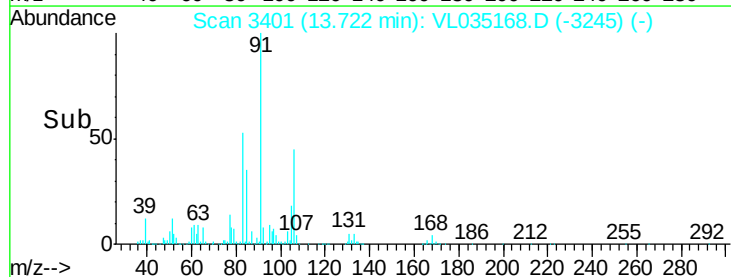
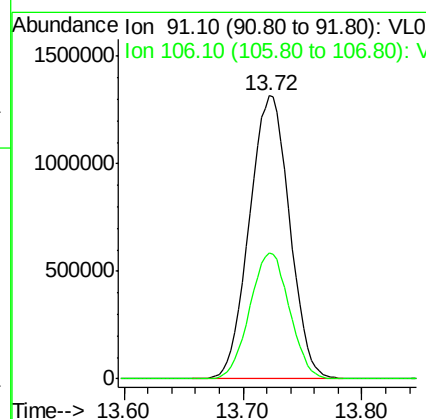
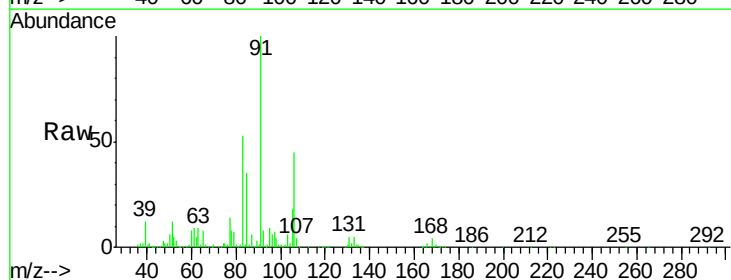
Manual Integrations
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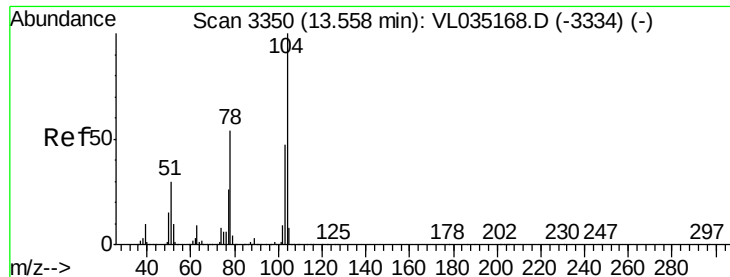
MMDadoda
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#60
o-Xylene
Concen: 9.600 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Tgt Ion: 91 Resp: 3070009
Ion Ratio Lower Upper
91 100
106 44.2 22.1 66.3





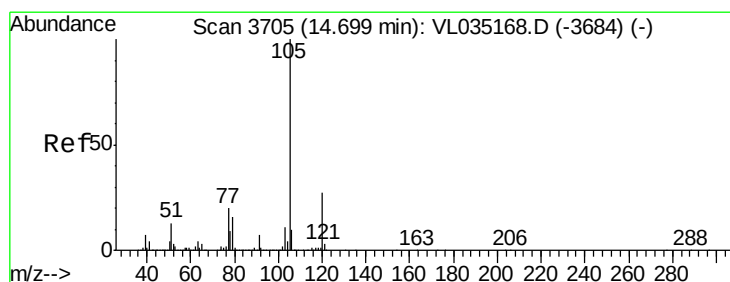
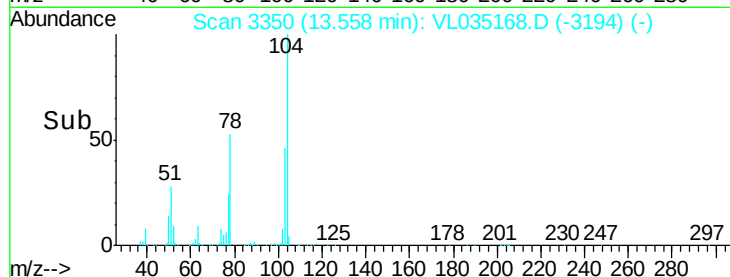
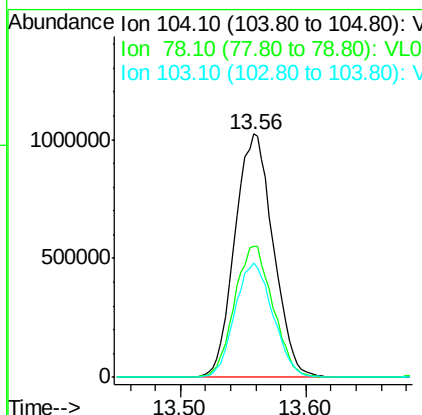
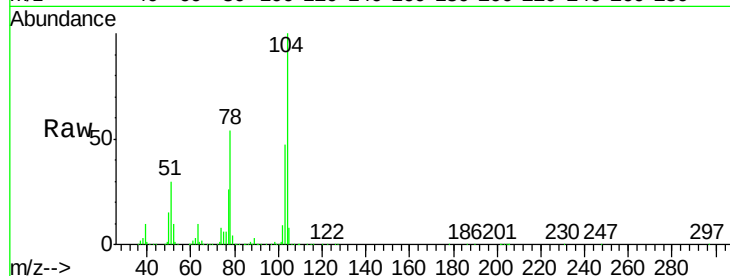
#61
Stvrene
Concen: 10.824 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.2	43.4	65.0
103	46.7	37.4	56.0

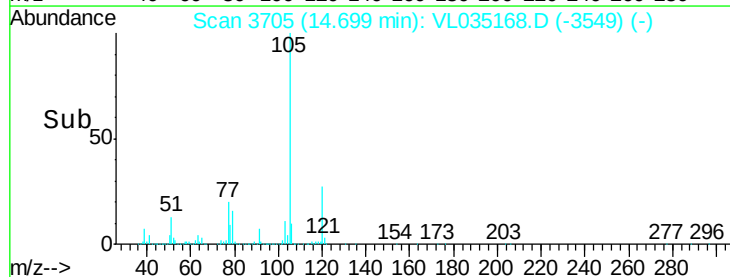
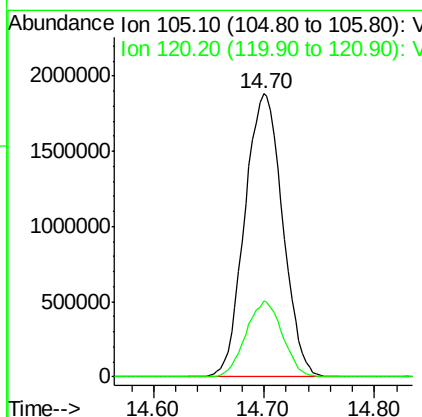
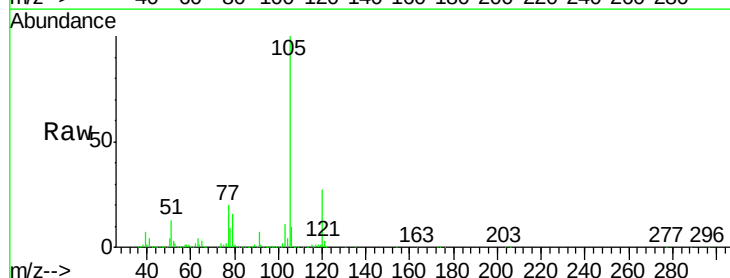
Manual Integrations
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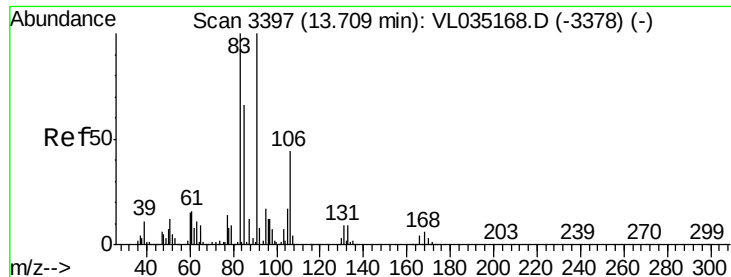
MMDadoda
7/9/2020 12:02:26 PM



#62
Isopropylbenzene
Concen: 9.393 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.7	31.1





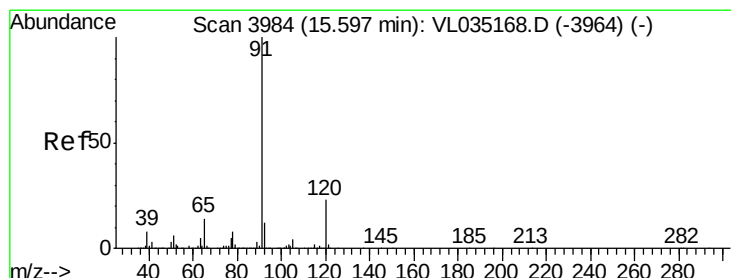
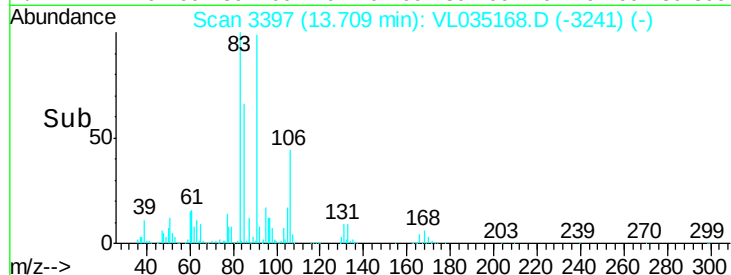
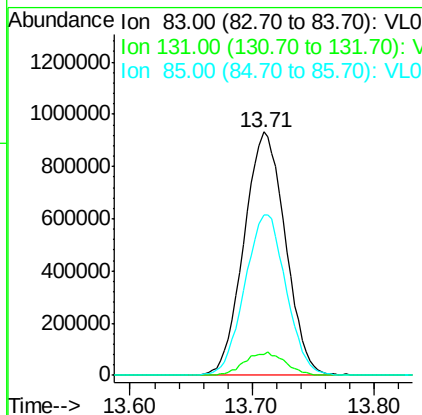
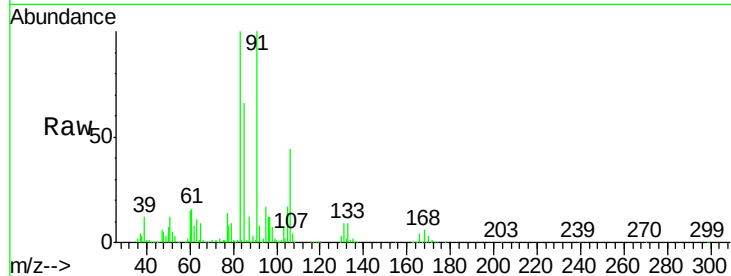
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.441 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.0
85	66.1	33.0	99.0

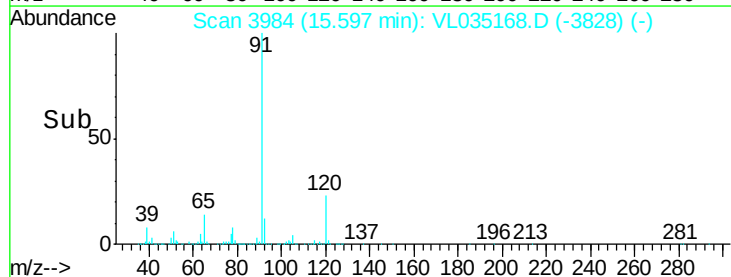
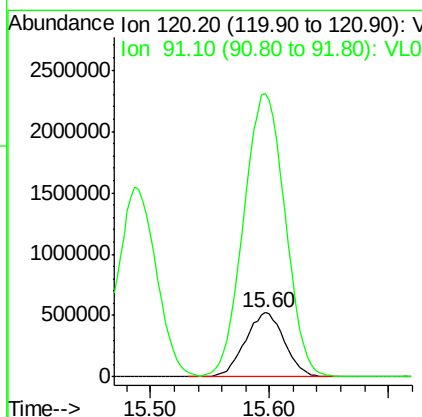
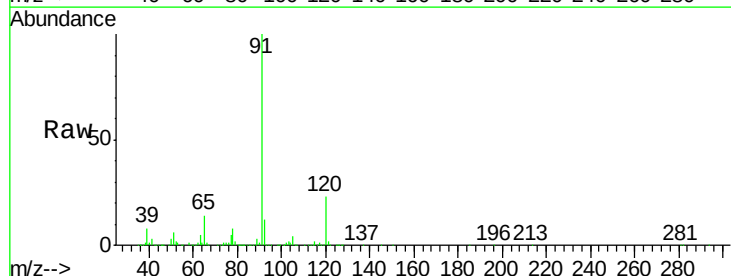
Manual Integrations
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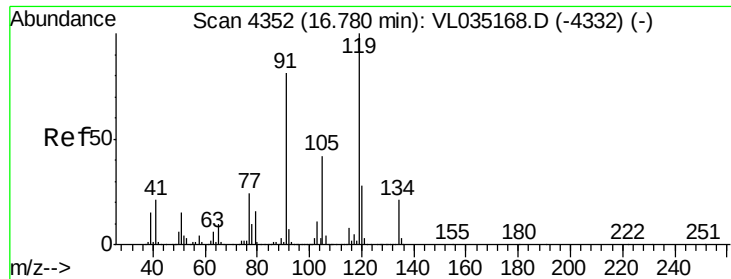
MMDadoda
 7/9/2020 12:02:26 PM



#64
 n-propylbenzene
 Concen: 9.833 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Tgt Ion	Ratio	Lower	Upper
120	100		
91	465.9	372.4	558.6





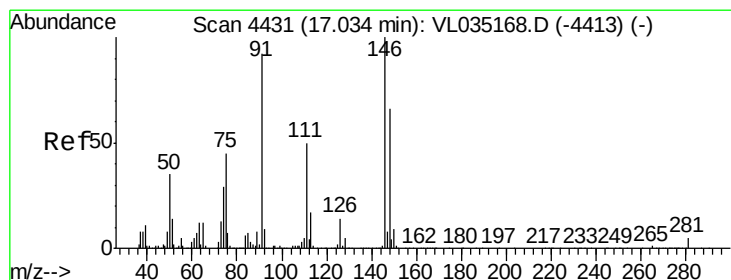
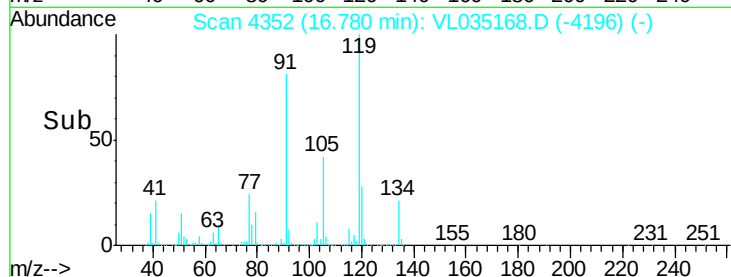
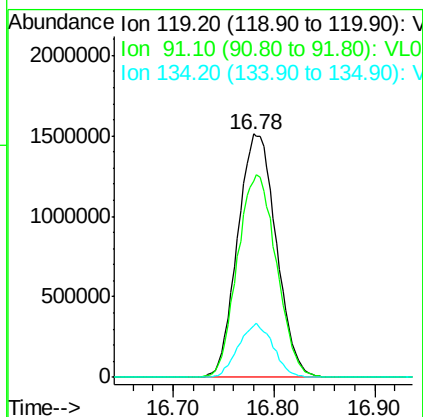
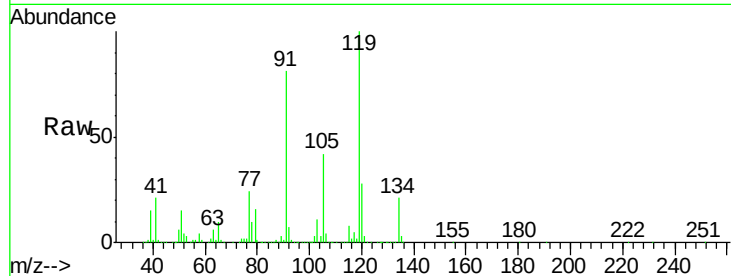
#65
tert-Butylbenzene
Concen: 9.753 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 119 Resp: 4013610
Ion Ratio Lower Upper
119 100
91 84.4 67.5 101.3
134 20.0 16.0 24.0

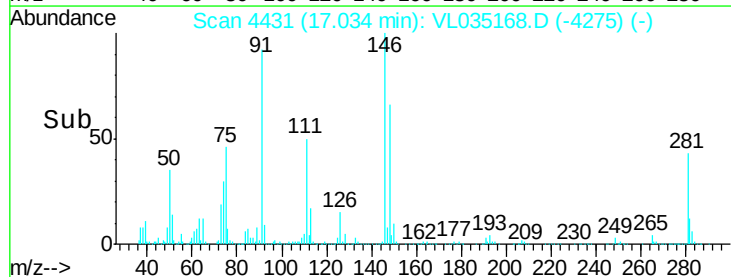
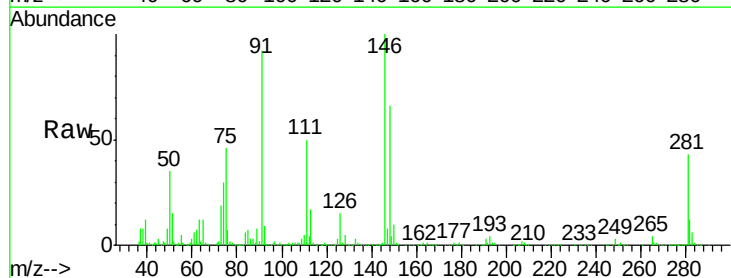
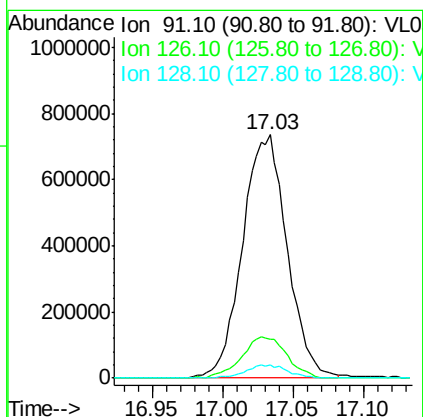
Manual Integrations
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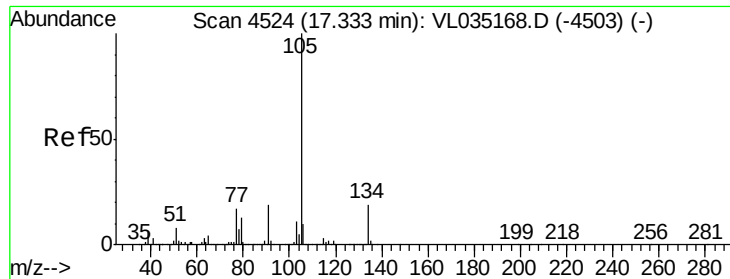
MMDadoda
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#66
Benzyl Chloride
Concen: 12.518 ppbv
RT: 17.03 min Scan# 4431
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Tgt Ion: 91 Resp: 1625662
Ion Ratio Lower Upper
91 100
126 17.4 13.9 20.9
128 5.3 4.2 6.4





#67

sec-Butylbenzene

Concen: 9.751 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 105 Resp: 5763382

Ion Ratio Lower Upper

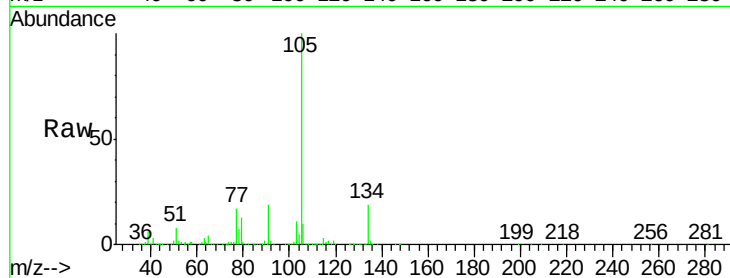
105 100

134 18.2 14.6 21.8

Manual Integrations
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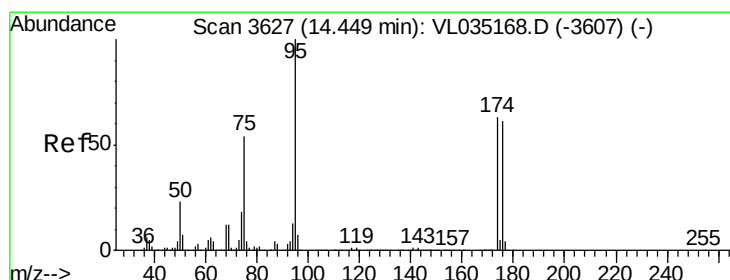
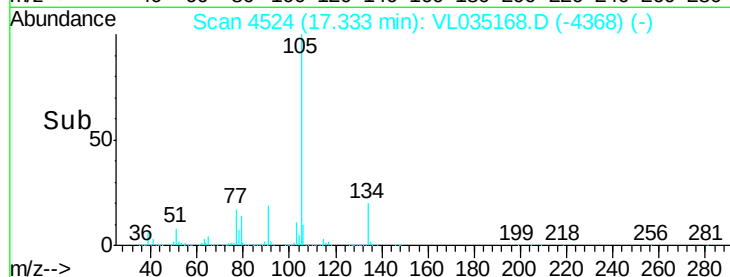
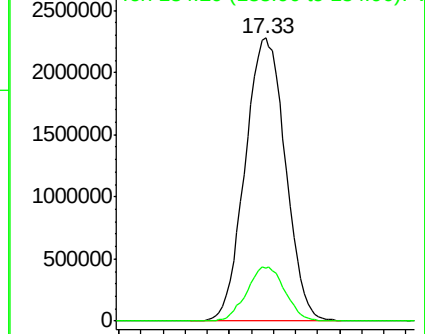
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.422 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.00 min

Lab File: VL035168.D

Acq: 8 Jul 2020 2:37

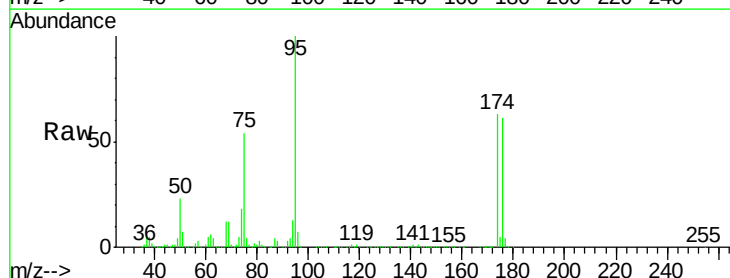
Tgt Ion: 95 Resp: 2505568

Ion Ratio Lower Upper

95 100

174 65.4 52.2 78.2

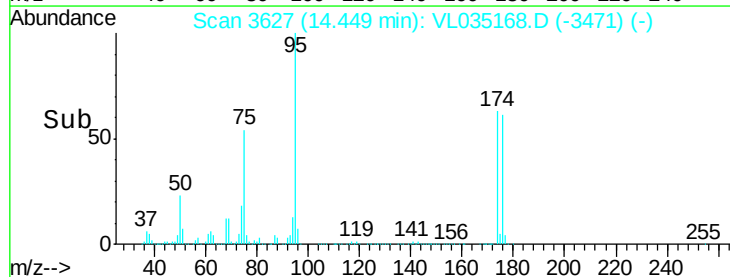
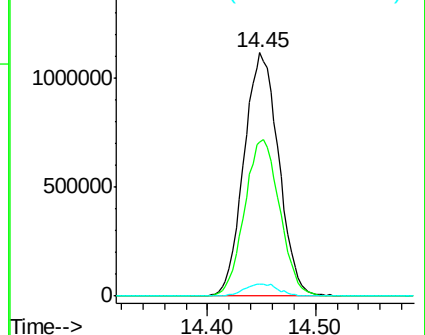
175 5.0 4.0 6.0

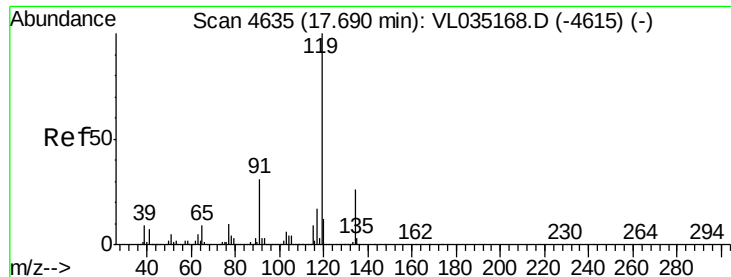


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





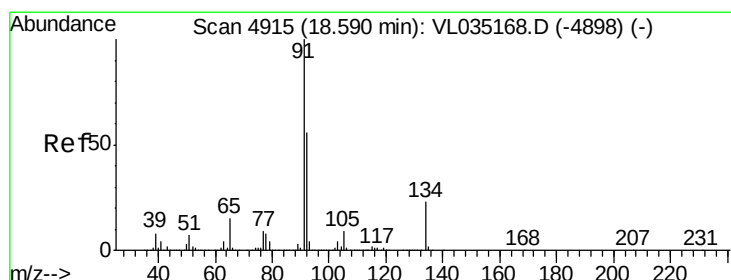
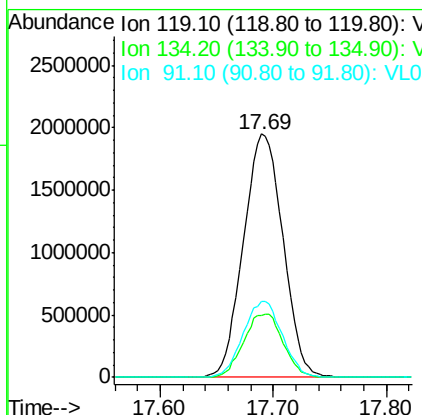
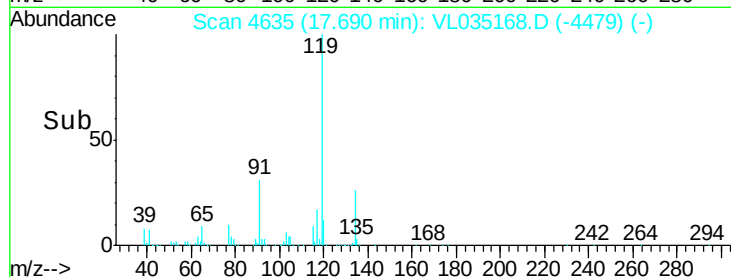
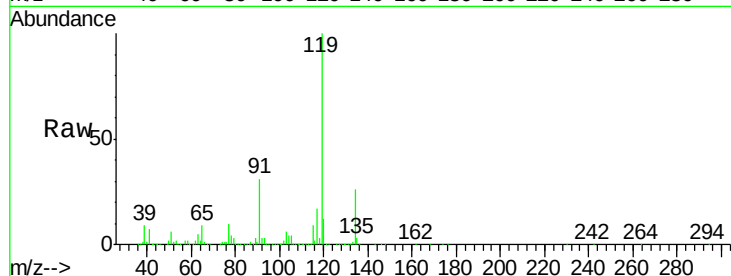
#69
 p-Isopropyltoluene
 Concen: 10.037 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.8	31.2
91	31.1	24.9	37.3

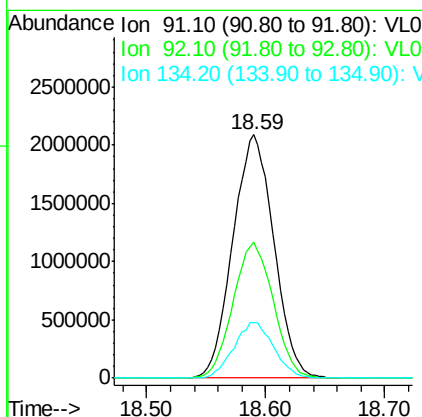
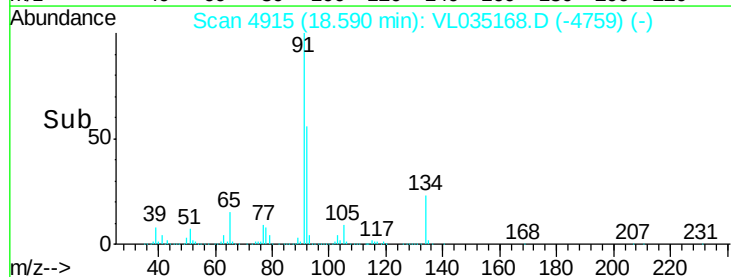
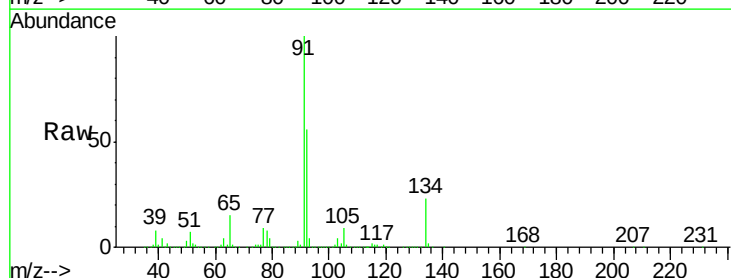
Manual Integrations
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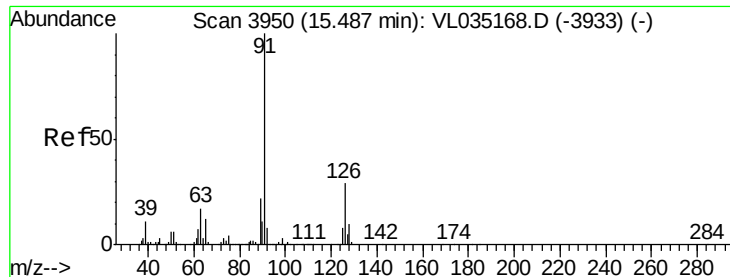
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#70
 n-Butylbenzene
 Concen: 9.743 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.0	66.0
134	22.5	18.0	27.0





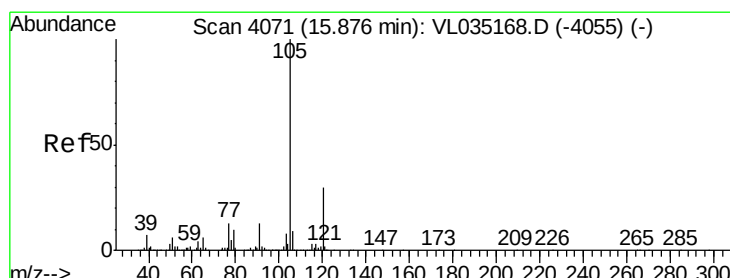
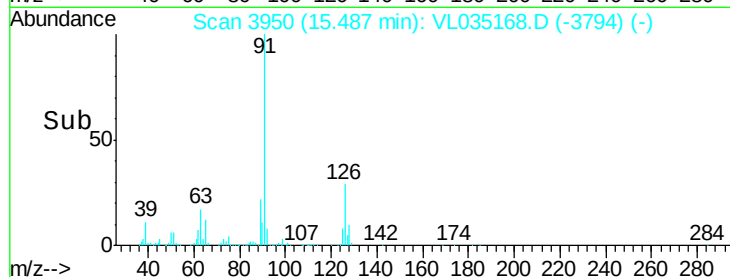
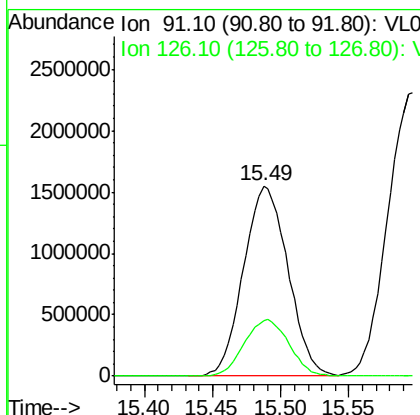
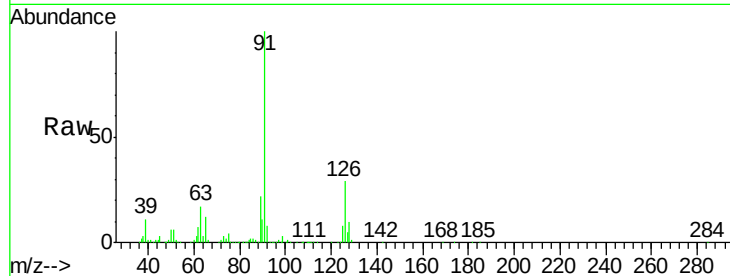
#71
 2-Chlorotoluene
 Concen: 9.706 ppbv
 RT: 15.49 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 91 Resp: 3503327
 Ion Ratio Lower Upper
 91 100
 126 30.0 12.0 48.0

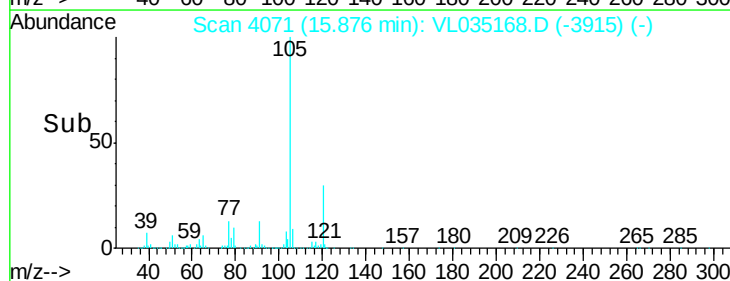
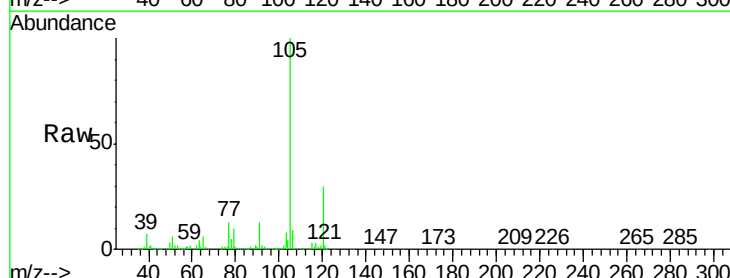
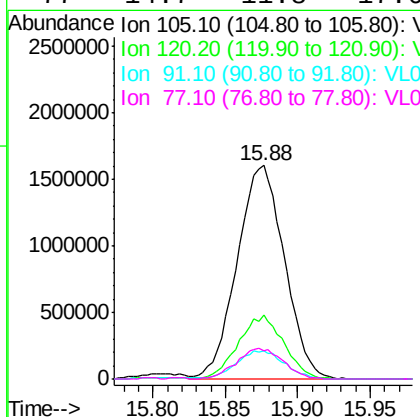
Manual Integrations
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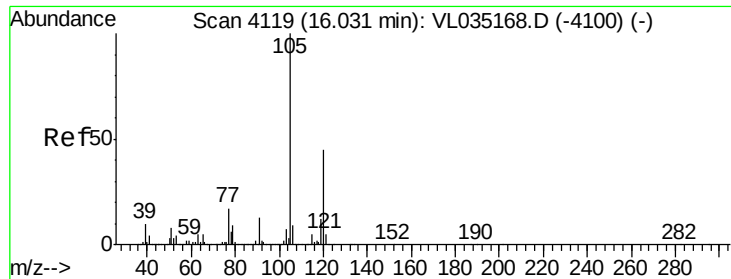
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#72
 4-Ethyltoluene
 Concen: 10.134 ppbv
 RT: 15.88 min Scan# 4071
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Tgt Ion: 105 Resp: 3618706
 Ion Ratio Lower Upper
 105 100
 120 29.7 23.2 34.8
 91 14.0 10.9 16.3
 77 14.7 11.8 17.6





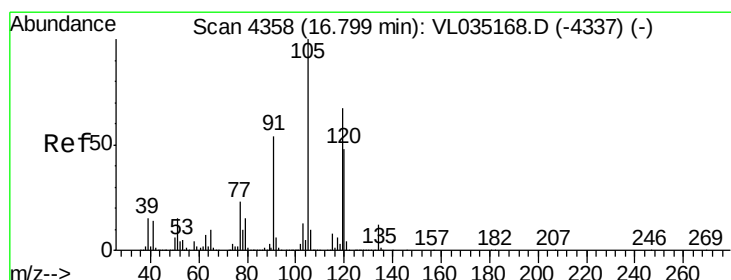
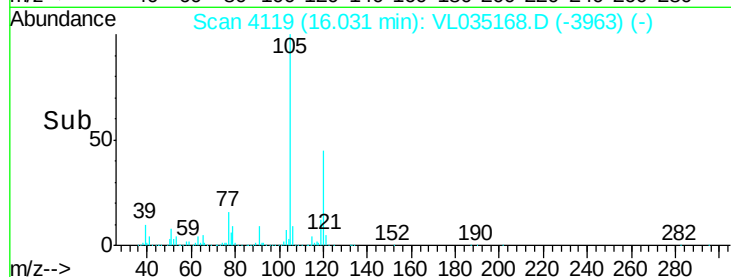
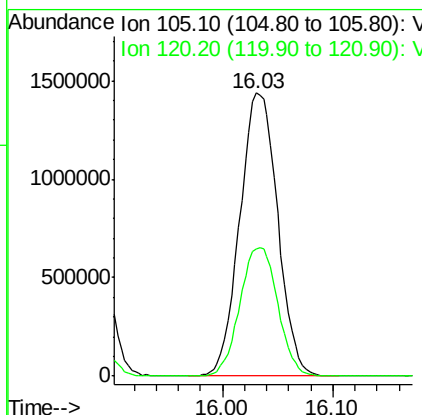
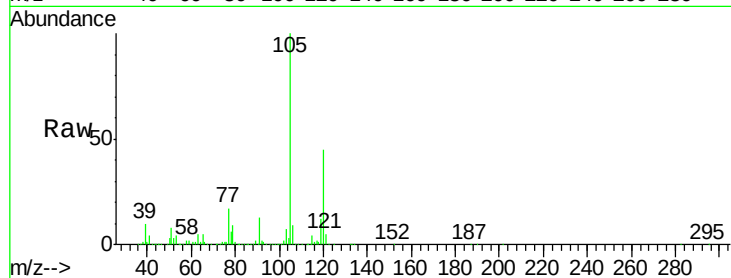
#73
 1,3,5-Trimethylbenzene
 Concen: 10.073 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:105 Resp: 3412099
 Ion Ratio Lower Upper
 105 100
 120 45.2 36.2 54.2

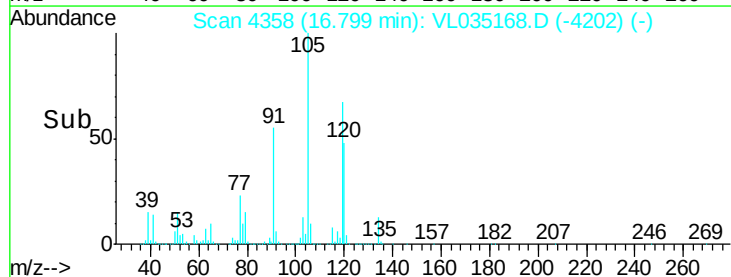
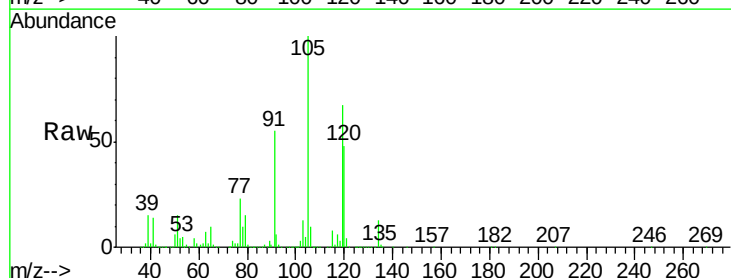
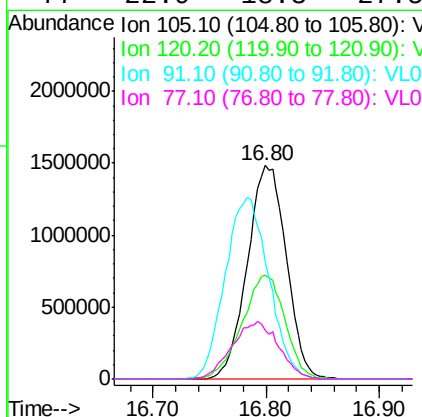
Manual Integrations
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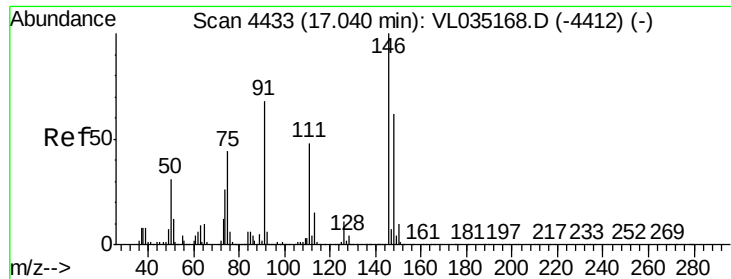
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.383 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Tgt Ion:105 Resp: 3554819
 Ion Ratio Lower Upper
 105 100
 120 48.2 38.6 57.8
 91 54.5 43.6 65.4
 77 22.9 18.3 27.5





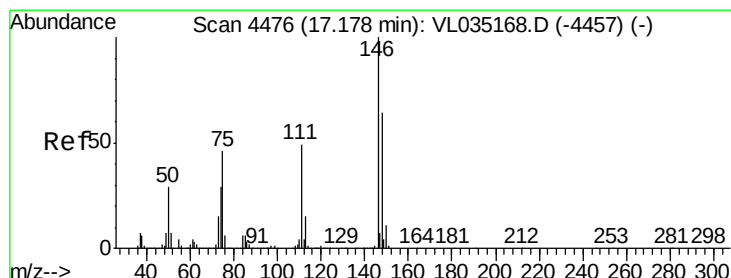
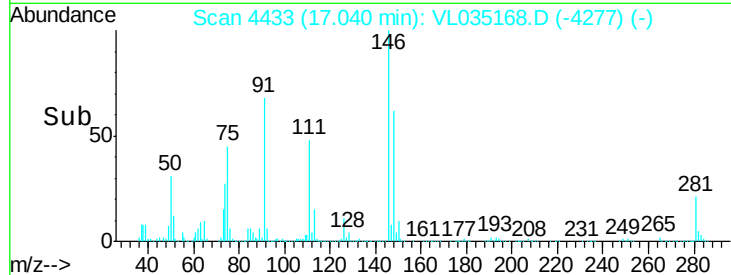
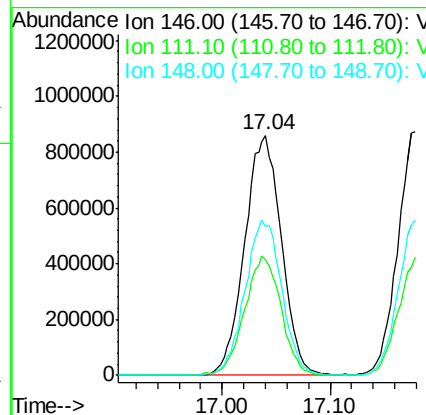
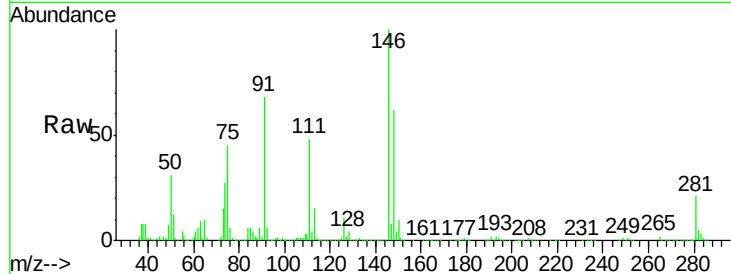
#75
 1,3-Dichlorobenzene
 Concen: 9.026 ppbv
 RT: 17.04 min Scan# 4433
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.4	24.7	74.1
148	64.6	32.4	97.0

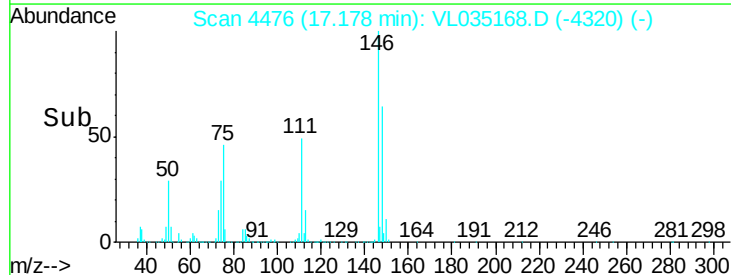
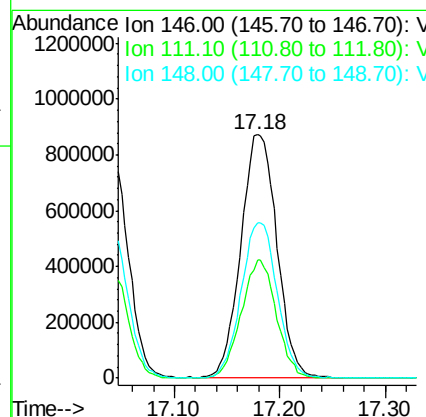
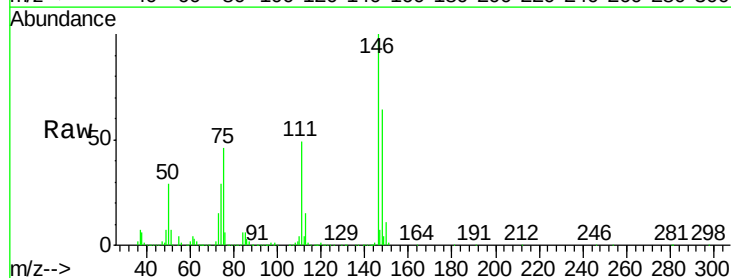
Manual Integrations
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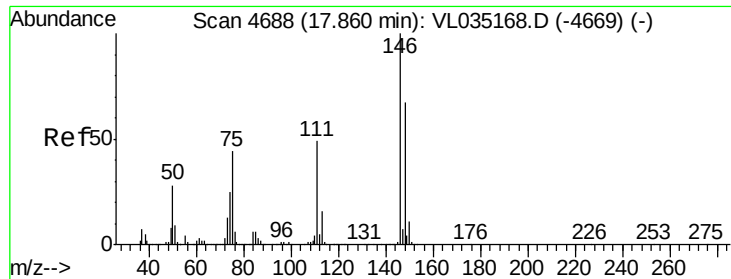
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#76
 1,4-Dichlorobenzene
 Concen: 9.541 ppbv
 RT: 17.18 min Scan# 4476
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.8	71.2
148	64.6	32.3	96.9





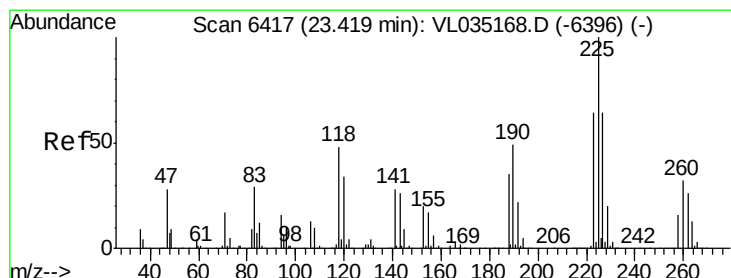
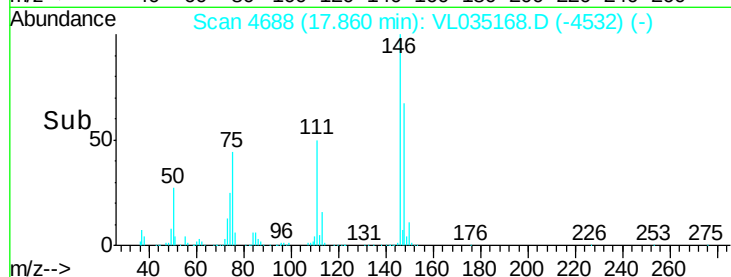
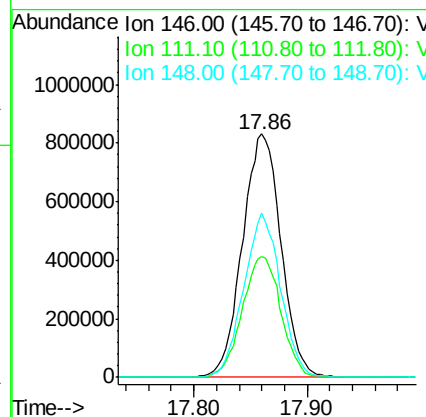
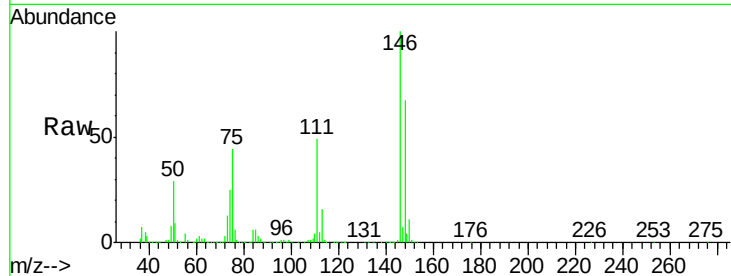
#77
 1,2-Dichlorobenzene
 Concen: 9.464 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 1965616
 Ion Ratio Lower Upper
 146 100
 111 50.1 25.1 75.2
 148 64.7 32.4 97.0

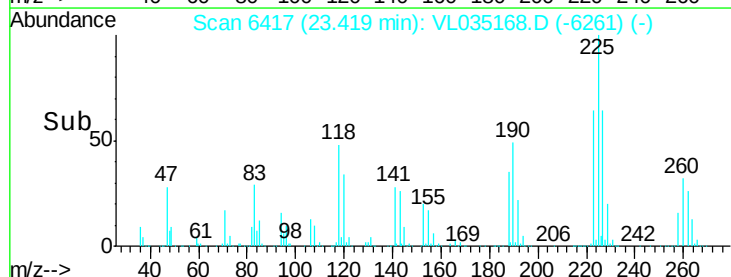
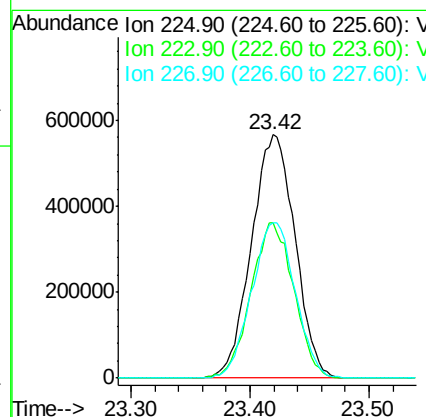
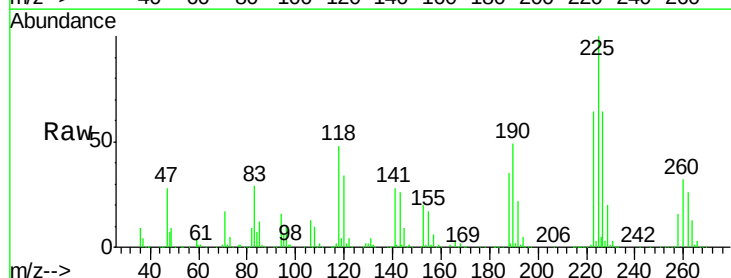
Manual Integrations
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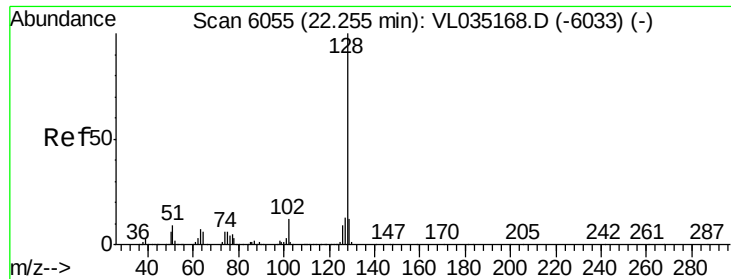
MMDadoda
 7/9/2020 12:02:26 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.858 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Tgt Ion:225 Resp: 1436292
 Ion Ratio Lower Upper
 225 100
 223 62.7 50.2 75.2
 227 64.0 51.2 76.8





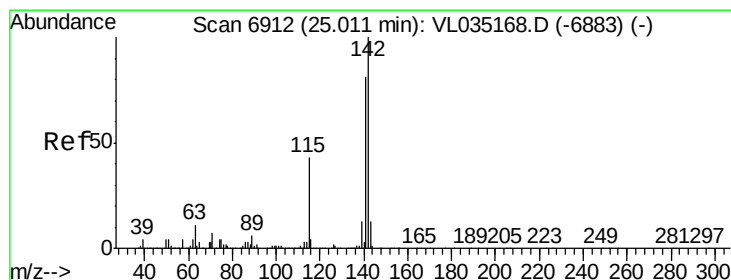
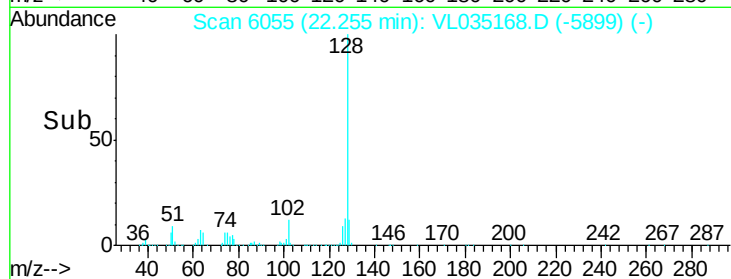
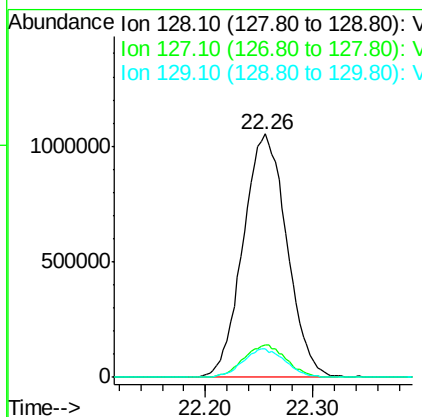
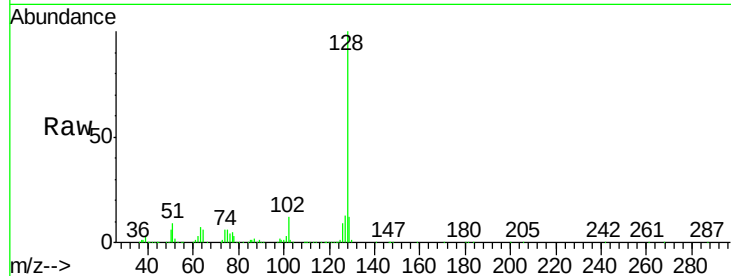
#79
Naphthalene
Concen: 9.180 ppbv
RT: 22.26 min Scan# 6055
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.8	9.4	14.2

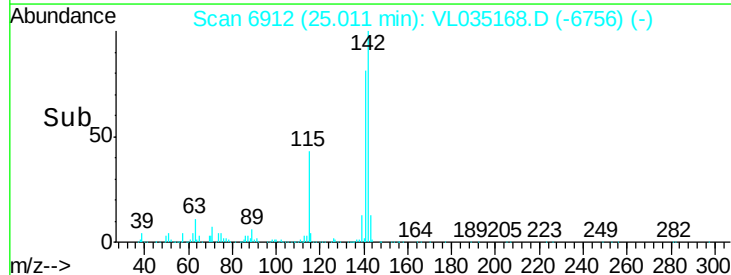
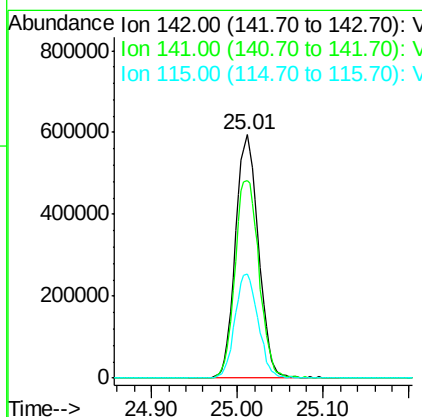
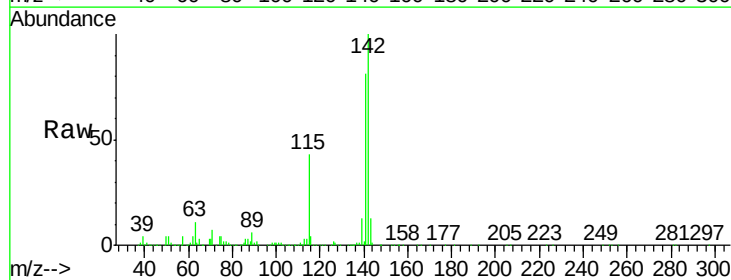
Manual Integrations
APPROVED

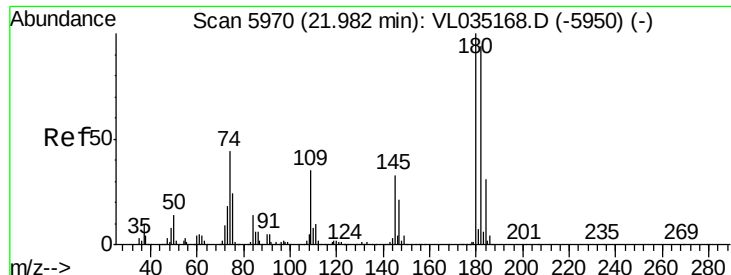
MMDadoda
7/9/2020 12:02:26 PM



#80
Naphthalene, 2-methyl-
Concen: 9.441 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. 0.00 min
Lab File: VL035168.D
Acq: 8 Jul 2020 2:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.1	68.2	102.4
115	43.0	34.4	51.6





#81
 1,2,4-Trichlorobenzene
 Concen: 8.750 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. 0.00 min
 Lab File: VL035168.D
 Acq: 8 Jul 2020 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.7	115.1
184	31.4	25.0	37.6

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:02:26 PM

