

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035150.D
 Acq On : 6 Jul 2020 17:52
 Operator : SY/AP
 Sample : VL0706ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 5:42:30 PM

Quant Time: Jul 07 09:03:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 09:03:49 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1100379	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2629255	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2695561m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2137149	9.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1323885	8.910	ppbv	98
3) Chlorodifluoromethane	2.94	51	1150576	9.465	ppbv	99
4) Chloromethane	3.09	50	639951	9.392	ppbv	100
5) Vinyl Chloride	3.21	62	660304	10.190	ppbv	96
6) Bromomethane	3.43	94	404810	10.060	ppbv	91
7) Chloroethane	3.52	64	247128	10.114	ppbv	96
8) Dichlorotetrafluoroethane	3.14	85	1515003	9.510	ppbv	99
9) Propene	2.96	41	464065	9.641	ppbv	99
10) Heptane	8.13	43	1297943	10.405	ppbv	100
11) Trichlorofluoromethane	3.92	101	1602378	10.095	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1132281	10.316	ppbv	100
13) Ethanol	3.57	45	132485	7.286	ppbv	95
14) Bromoethene	3.70	108	497964	10.525	ppbv	99
15) Acetone	3.81	43	1212722	9.116	ppbv	98
16) 1,3-Butadiene	3.29	39	592019	10.146	ppbv	100
17) tert-Butyl alcohol	4.26	59	1420396	12.047	ppbv	100
18) 1,1-Dichloroethene	4.26	96	517864	10.461	ppbv	91
19) Isopropyl Alcohol	3.93	45	929686	10.762	ppbv	99
20) Methylene Chloride	4.31	84	472958	8.784	ppbv	95
21) Allyl Chloride	4.38	41	866124	10.954	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	512924	11.074	ppbv	95
23) Vinyl Acetate	5.05	43	1742481	10.790	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1320748	9.701	ppbv	99
25) Ethyl Acetate	5.66	43	2298865	9.575	ppbv	99
26) Hexane	5.67	57	1022966	9.450	ppbv	99
27) Carbon Disulfide	4.52	76	1529605	13.654	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1615793	10.623	ppbv	100
29) Chloroform	5.74	83	1605913	9.480	ppbv	98
30) Cyclohexane	7.12	84	854722	11.002	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1011005	10.132	ppbv	94
32) 1,1,1-Trichloroethane	6.50	97	1602636	10.200	ppbv	99
34) 2-Butanone	5.22	43	1436380	9.513	ppbv	99
35) Carbon Tetrachloride	7.02	117	1655173	10.496	ppbv	98
36) Benzene	6.89	78	2034278	9.992	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1256048	9.762	ppbv	99
38) Trichloroethene	7.84	130	796658	10.074	ppbv	96
39) 1,2-Dichloropropane	7.62	63	794776	9.981	ppbv	97
40) 1,4-Dioxane	7.83	88	298049	9.489	ppbv #	97
41) Tetrahydrofuran	6.03	42	798940	10.360	ppbv	99
42) Bromodichloromethane	7.80	83	1733965	10.405	ppbv	96
43) Methyl Methacrylate	8.02	69	929486	10.786	ppbv	99

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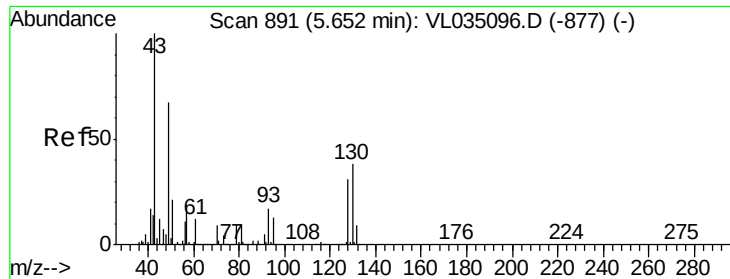
Manual Integrations
 APPROVED

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 7/9/2020 5:42:30 PM

Quant Time: Jul 07 09:03:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 09:03:49 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3481065	9.796	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1039854	12.399	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1235656	11.860	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	848966	9.769	ppbv	98
48) Dibromochloromethane	10.33	129	1437001	11.091	ppbv	100
49) Bromoform	13.07	173	1222638	11.108	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2177975	10.152	ppbv	100
51) 2-Hexanone	10.15	43	1748926	10.410	ppbv #	100
52) Tetrachloroethene	11.25	164	722061	10.065	ppbv	93
53) Toluene	9.82	91	2339745	10.774	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1267610	9.851	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.15	131	1078445	9.776	ppbv	97
57) Chlorobenzene	12.18	112	1773892	8.943	ppbv	99
58) Ethyl Benzene	12.74	91	3133579	10.346	ppbv	97
59) m/p-Xylene	13.02	91	5203093m	19.385	ppbv	
60) o-Xylene	13.72	91	2588183	9.686	ppbv	99
61) Styrene	13.56	104	1815139	10.795	ppbv	99
62) Isopropylbenzene	14.70	105	3756794	9.421	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1760084	8.132	ppbv	99
64) n-propylbenzene	15.59	120	981905	9.649	ppbv	96
65) tert-Butylbenzene	16.78	119	3263125	9.557	ppbv	100
66) Benzyl Chloride	17.03	91	1292156	12.251	ppbv	100
67) sec-Butylbenzene	17.33	105	4636383	9.474	ppbv	100
69) p-Isopropyltoluene	17.69	119	3873737	9.923	ppbv	99
70) n-Butylbenzene	18.59	91	4170166	9.917	ppbv	99
71) 2-Chlorotoluene	15.49	91	2905301	9.639	ppbv	99
72) 4-Ethyltoluene	15.87	105	2970944	9.994	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	2780381	9.895	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	2932478	9.350	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	1689781	9.029	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1706570	9.532	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1642965	9.594	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1563487m	10.157	ppbv	
79) Naphthalene	22.25	128	3520770	12.805	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1308985	12.451	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1869782	11.788	ppbv	98

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



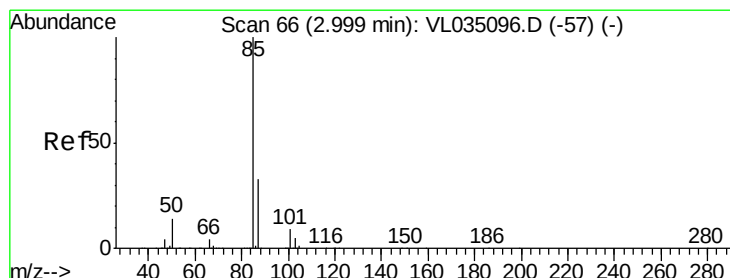
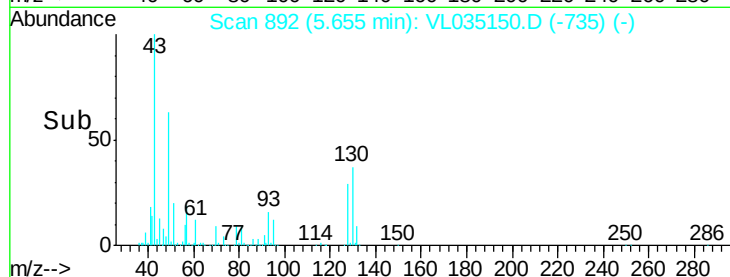
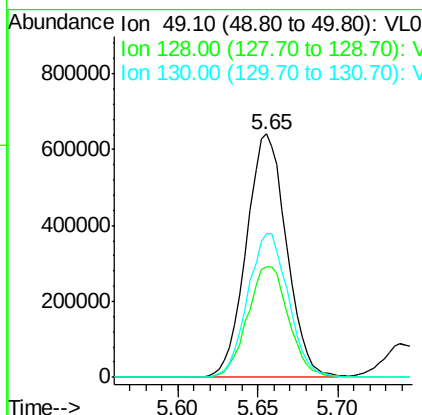
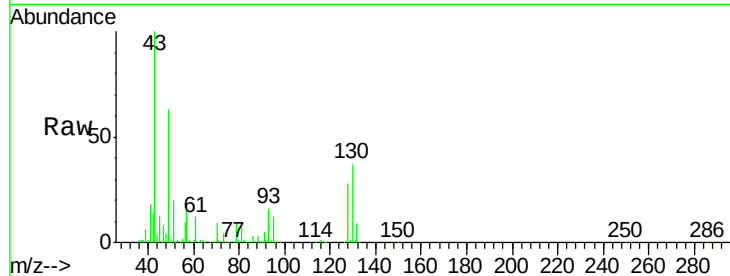
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VL035150.D
 Acq: 6 Jul 2020 17:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion: 49 Resp: 1100379
 Ion Ratio Lower Upper
 49 100
 128 47.0 22.9 68.5
 130 60.0 29.0 87.0

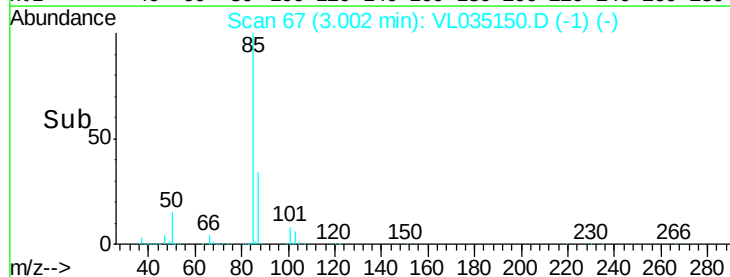
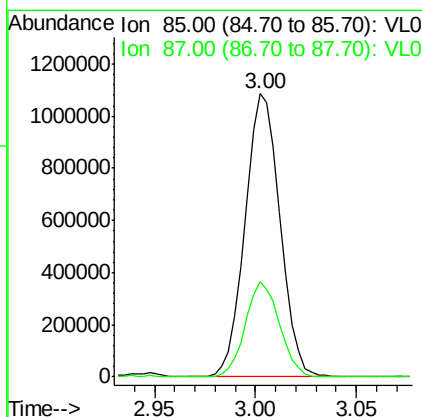
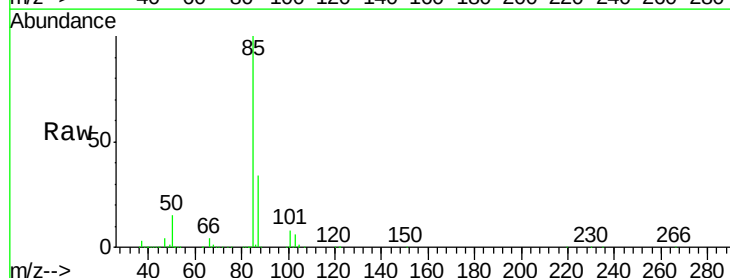
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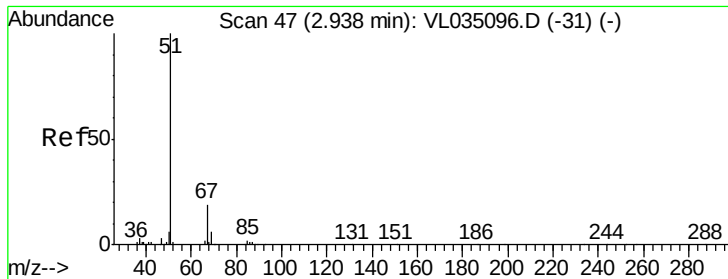
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#2
 Dichlorodifluoromethane
 Concen: 8.910 ppbv
 RT: 3.00 min Scan# 67
 Delta R.T. 0.00 min
 Lab File: VL035150.D
 Acq: 6 Jul 2020 17:52

Tgt Ion: 85 Resp: 1323885
 Ion Ratio Lower Upper
 85 100
 87 33.5 26.1 39.1





#3

Chlorodifluoromethane

Concen: 9.465 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Tot Ion: 51 Resp: 1150576

Ion Ratio Lower Upper

51 100

67 19.7 15.2 22.8

Instrument :

MSVOA_L

ClientSampleId :

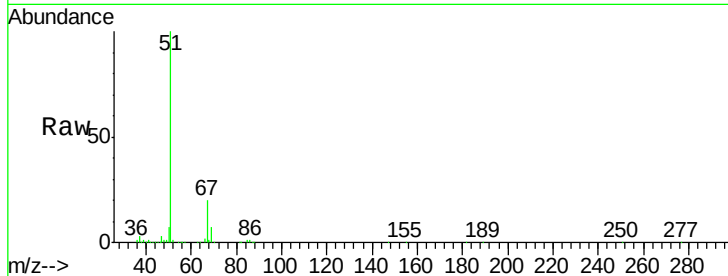
VL0706ABS01

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.94

1000000

800000

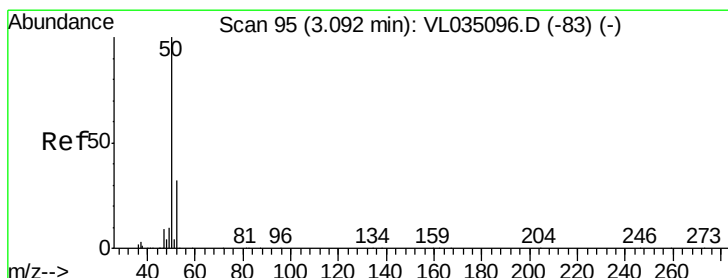
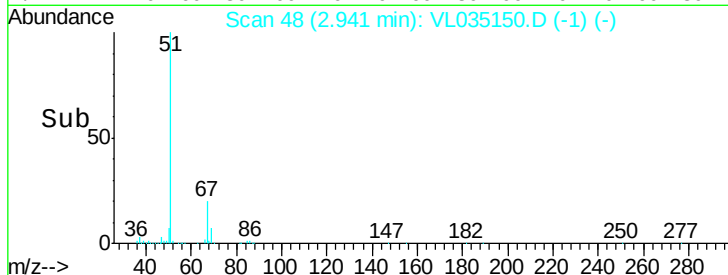
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.392 ppbv

RT: 3.09 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL035150.D

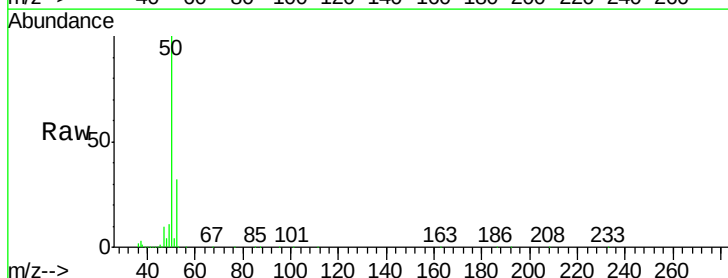
Acq: 6 Jul 2020 17:52

Tgt Ion: 50 Resp: 639951

Ion Ratio Lower Upper

50 100

52 31.8 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.09

500000

400000

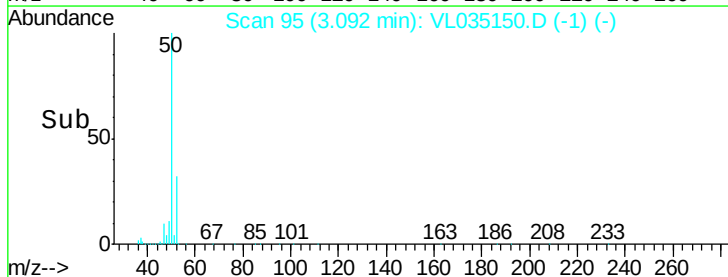
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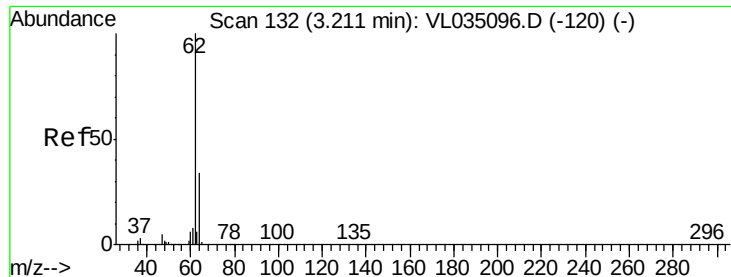
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 10.190 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion: 62 Resp: 660304

Ion Ratio Lower Upper

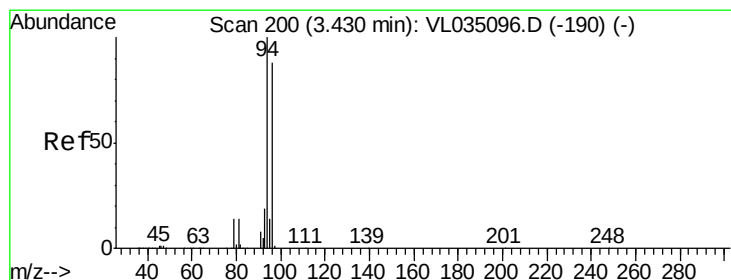
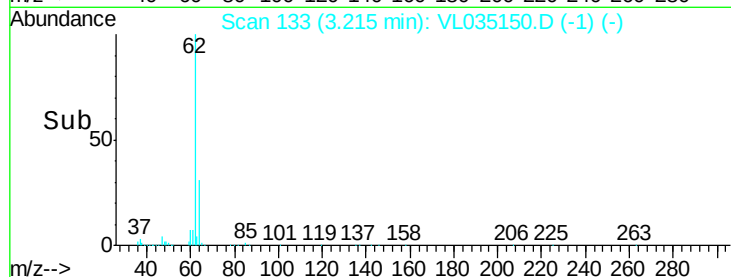
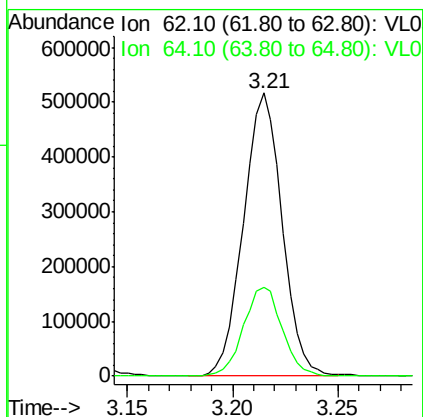
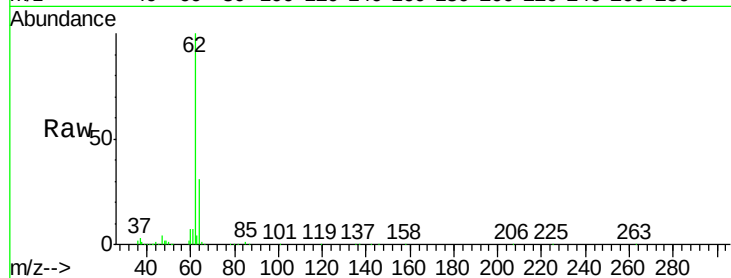
62 100

64 31.5 27.0 40.4

Manual Integrations
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#6

Bromomethane

Concen: 10.060 ppbv

RT: 3.43 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL035150.D

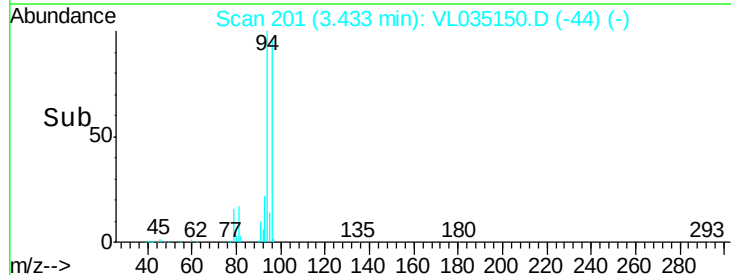
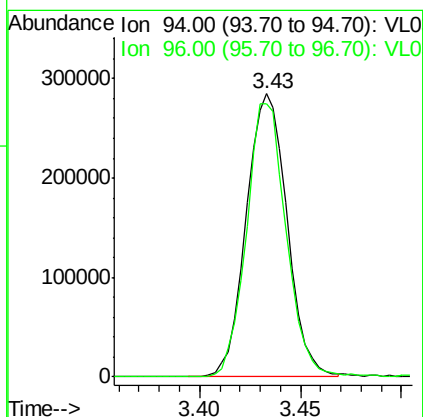
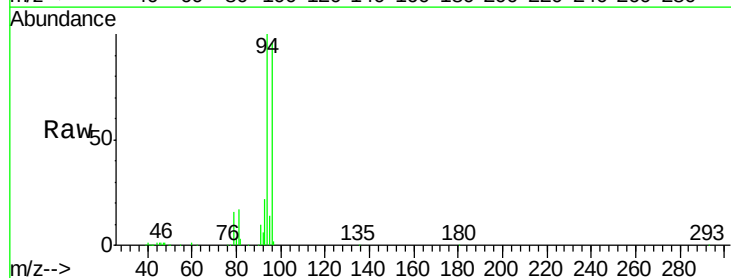
Acq: 6 Jul 2020 17:52

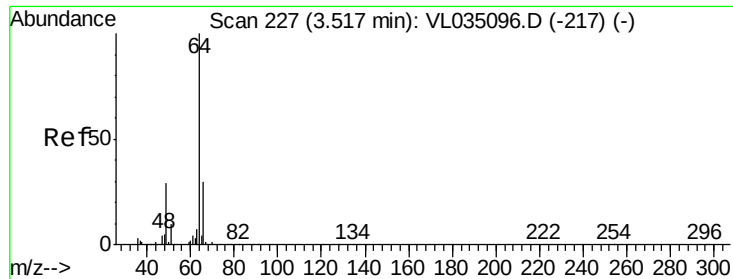
Tgt Ion: 94 Resp: 404810

Ion Ratio Lower Upper

94 100

96 96.3 70.2 105.2





#7

Chloroethane

Concen: 10.114 ppbv

RT: 3.52 min Scan# 227

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion: 64 Resp: 247128

Ion Ratio Lower Upper

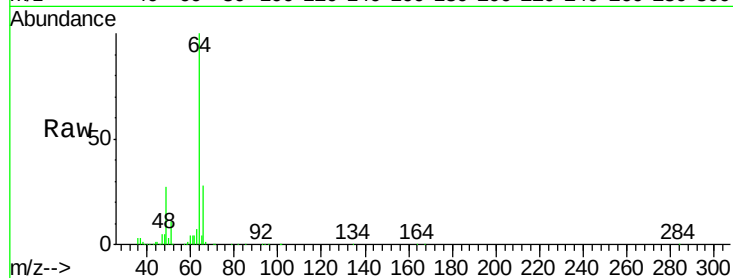
64 100

66 28.1 24.2 36.4

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

3.52

200000

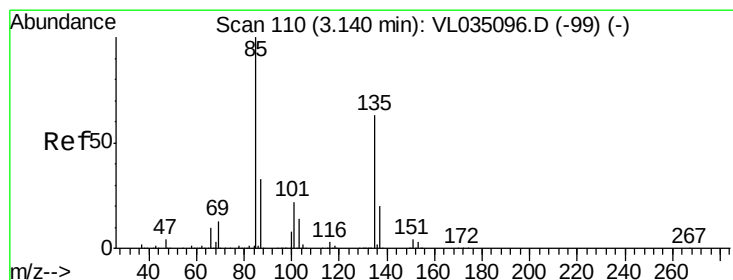
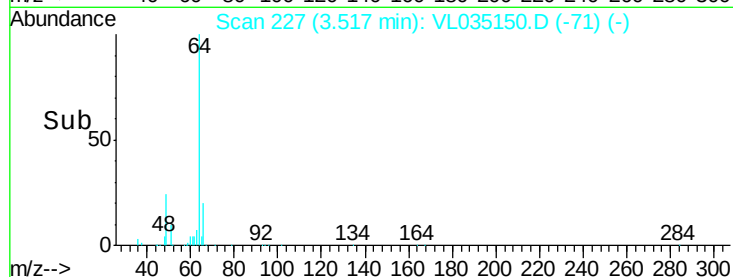
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.510 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035150.D

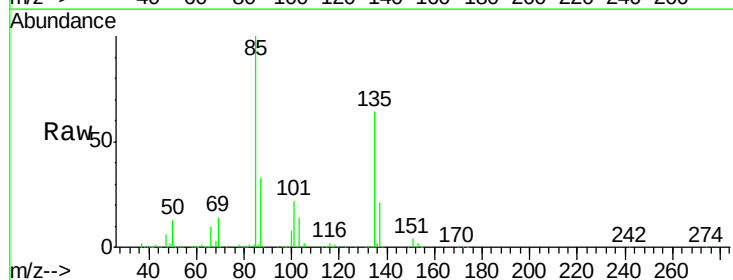
Acq: 6 Jul 2020 17:52

Tgt Ion: 85 Resp: 1515003

Ion Ratio Lower Upper

85 100

135 64.9 51.0 76.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

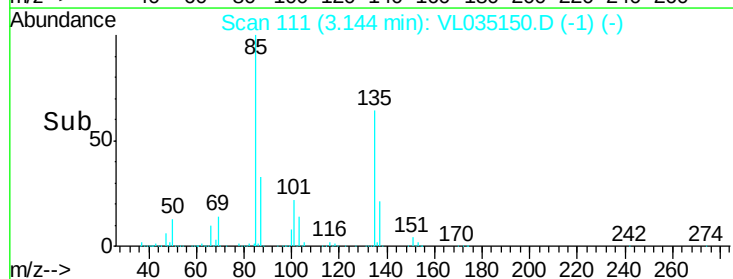
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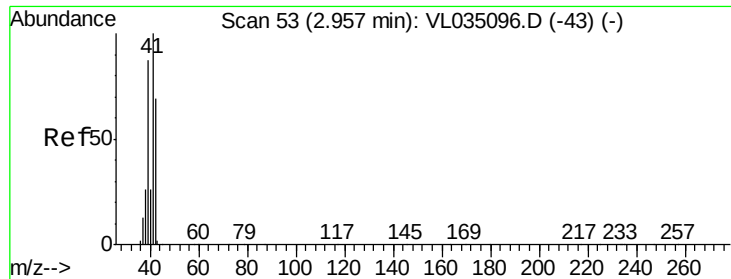
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500000

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Time-->





#9

Propene

Concen: 9.641 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.01 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion: 41 Resp: 464065

Ion Ratio Lower Upper

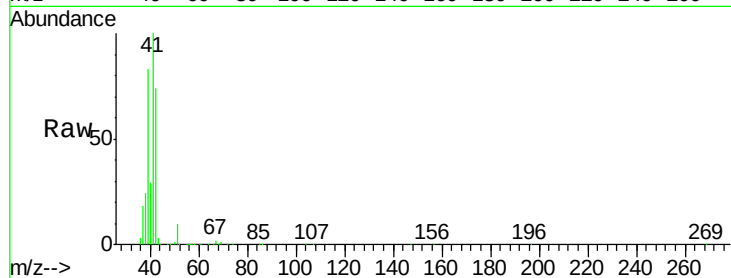
41 100

42 70.8 55.8 83.6

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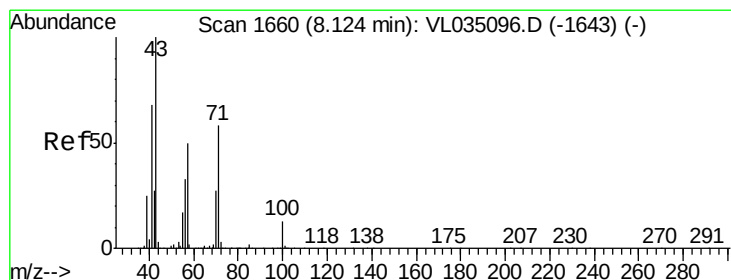
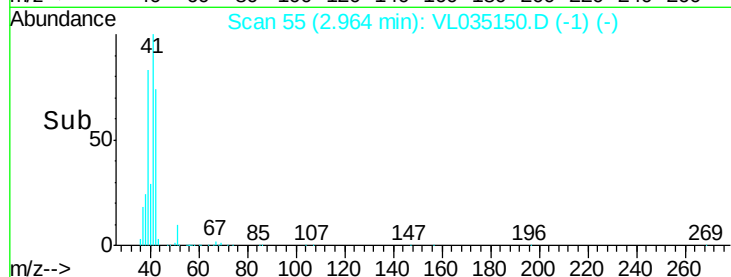
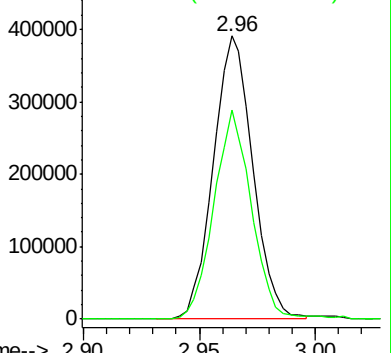
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.405 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL035150.D

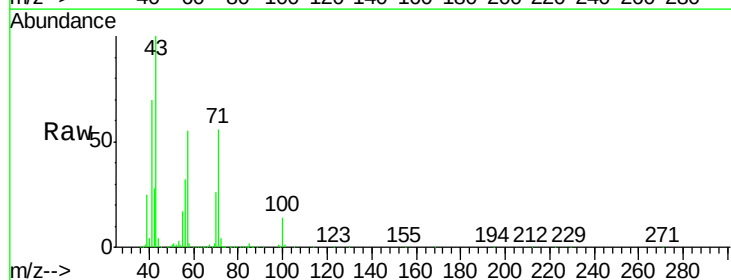
Acq: 6 Jul 2020 17:52

Tgt Ion: 43 Resp: 1297943

Ion Ratio Lower Upper

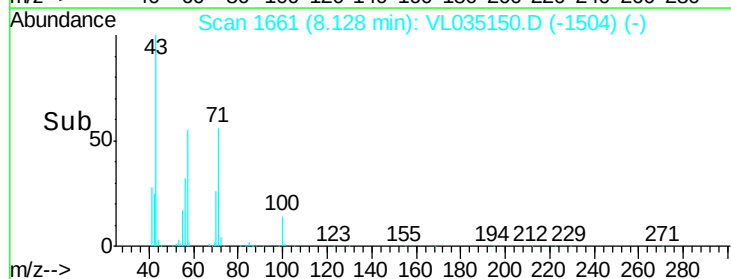
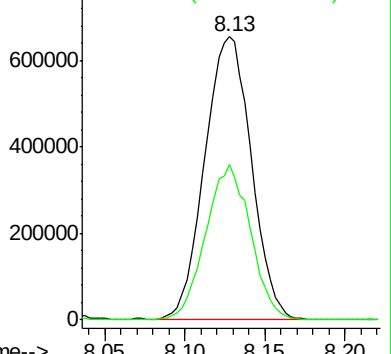
43 100

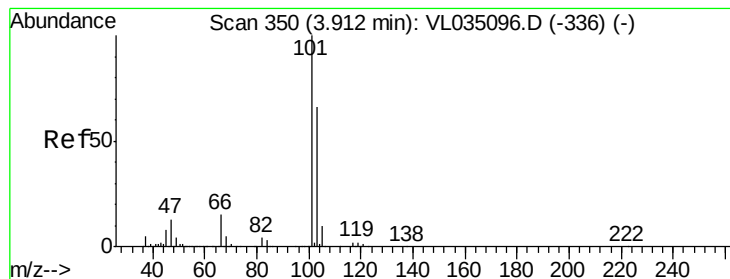
57 52.7 41.9 62.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

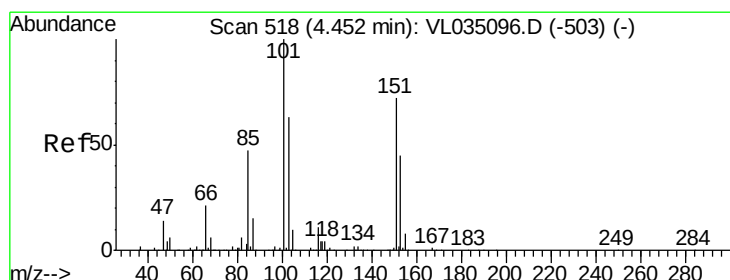
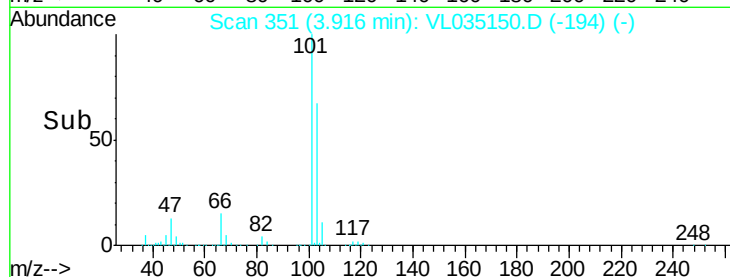
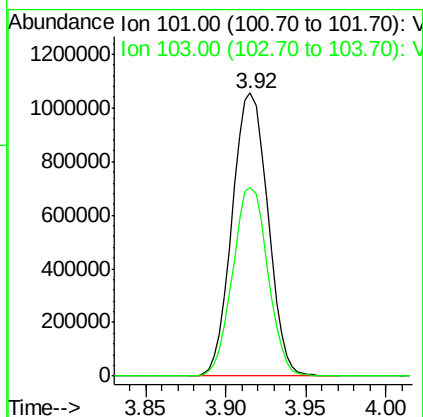
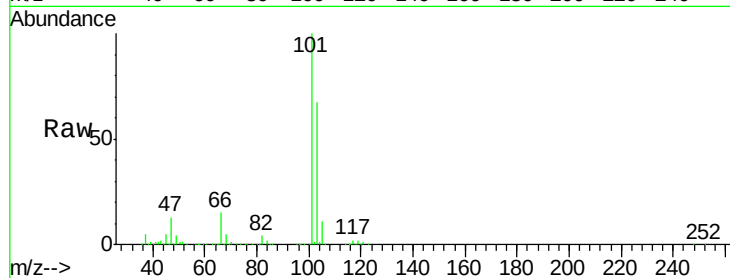
Trichlorofluoromethane
Concen: 10.095 ppbv
RT: 3.92 min Scan# 351
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion:101 Resp: 1602378
Ion Ratio Lower Upper
101 100
103 66.8 52.6 79.0

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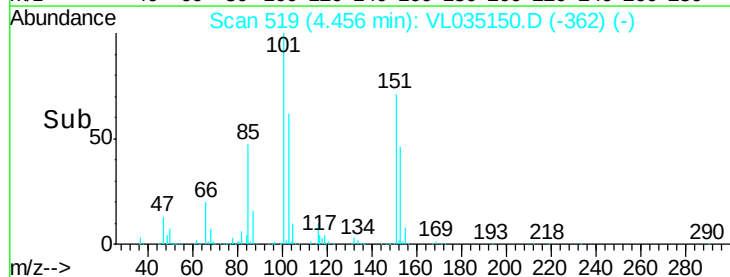
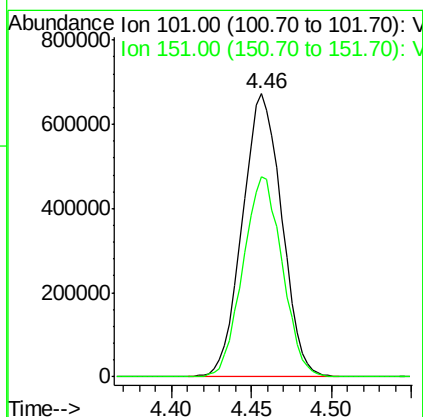
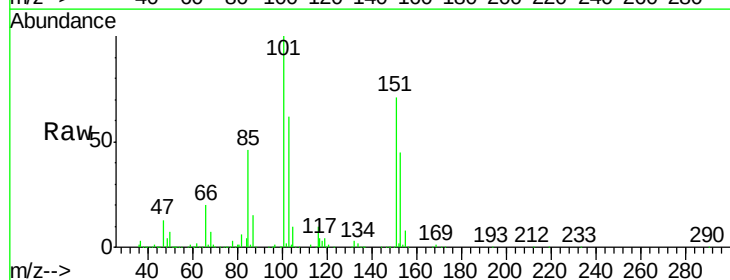
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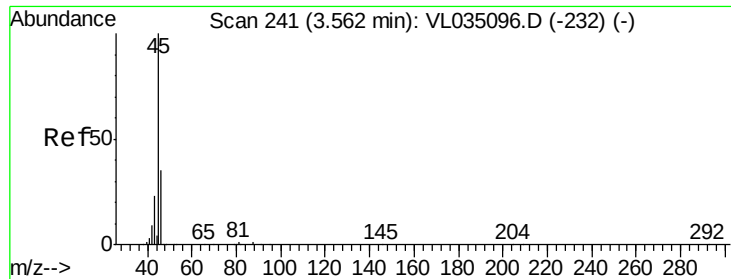


#12

1,1,2-Trichlorotrifluoroethane
Concen: 10.316 ppbv
RT: 4.46 min Scan# 519
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Tgt Ion:101 Resp: 1132281
Ion Ratio Lower Upper
101 100
151 70.8 56.6 85.0





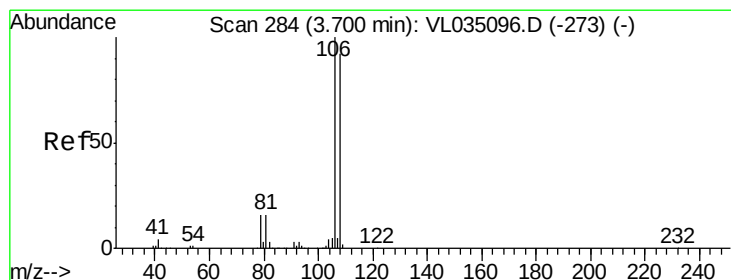
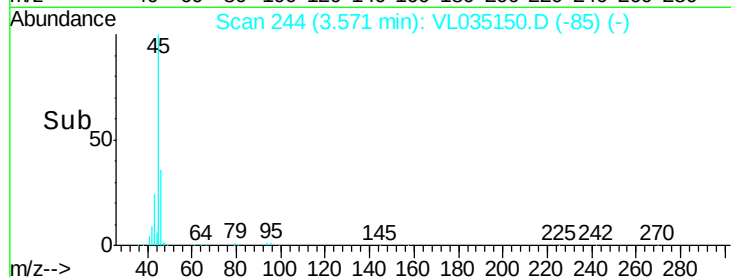
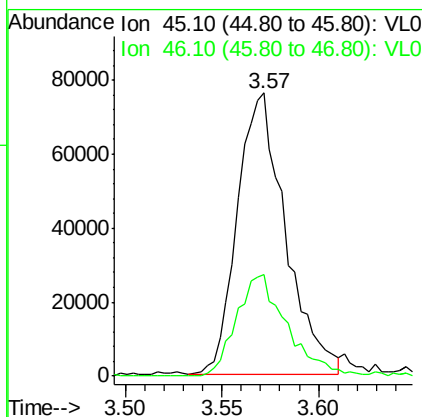
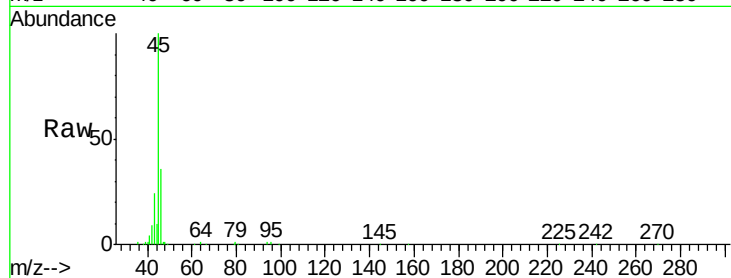
#13
Ethanol
Concen: 7.286 ppbv
RT: 3.57 min Scan# 244
Delta R.T. 0.01 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion	45	46	Ratio	100	38.3	Resp	Lower	Upper
132485							14.2	57.0

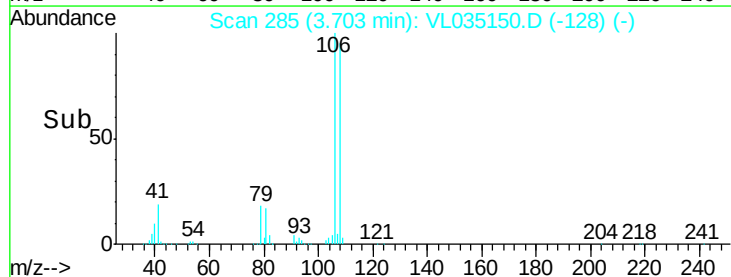
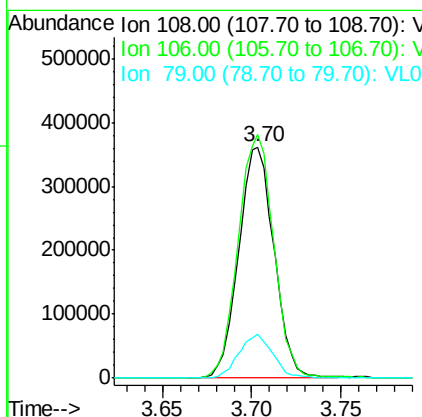
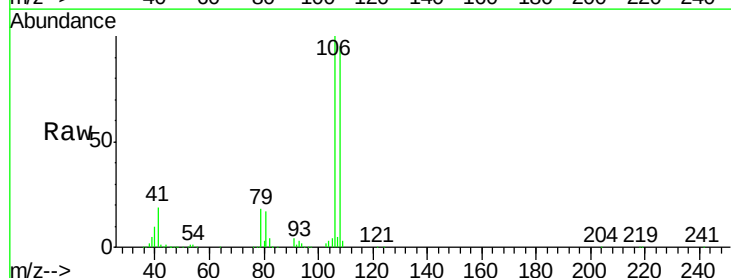
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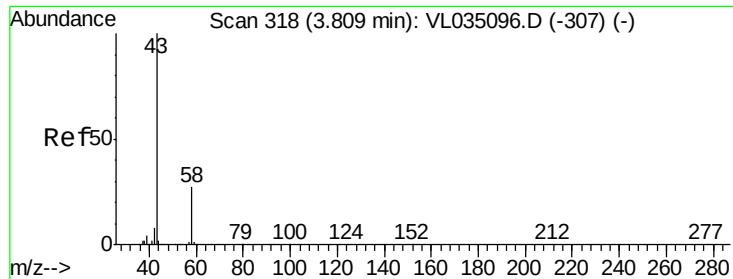
MMDadoda
7/9/2020 5:42:30 PM



#14
Bromoethene
Concen: 10.525 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Tgt Ion	108	106	79	Ratio	100	106.8	18.4	Resp	Lower	Upper
497964									84.4	126.6





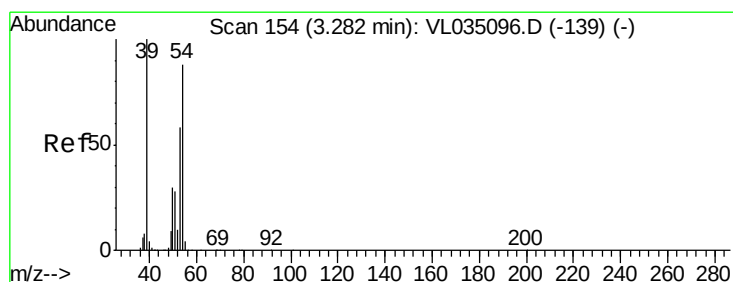
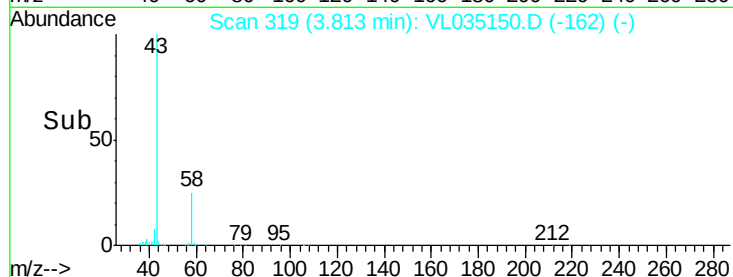
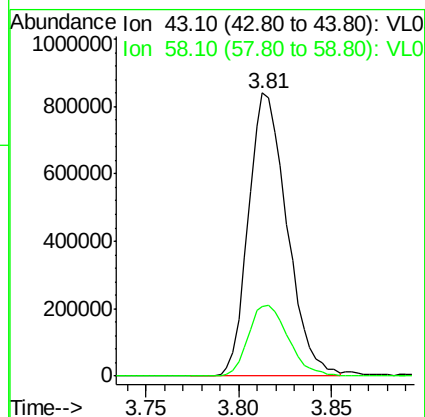
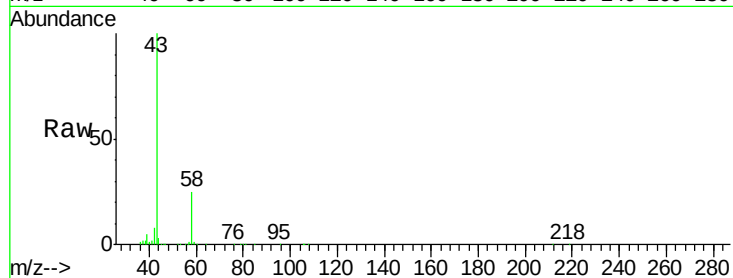
#15
Acetone
Concen: 9.116 ppbv
RT: 3.81 min Scan# 319
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion: 43 Resp: 1212722
Ion Ratio Lower Upper
43 100
58 26.2 21.8 32.6

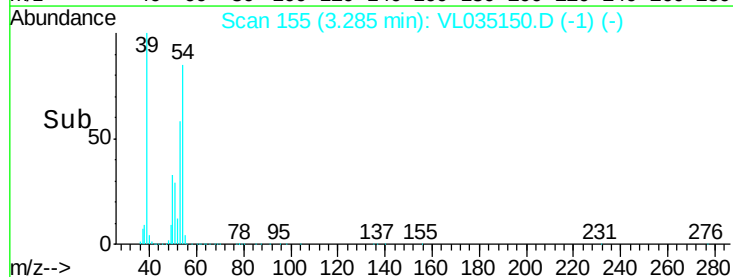
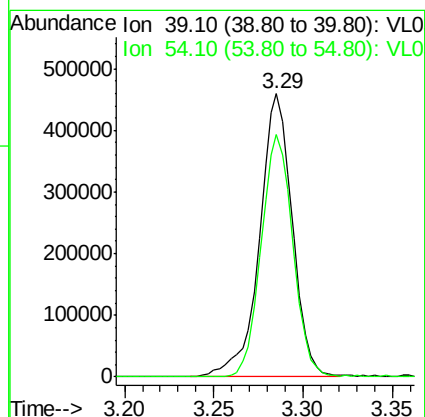
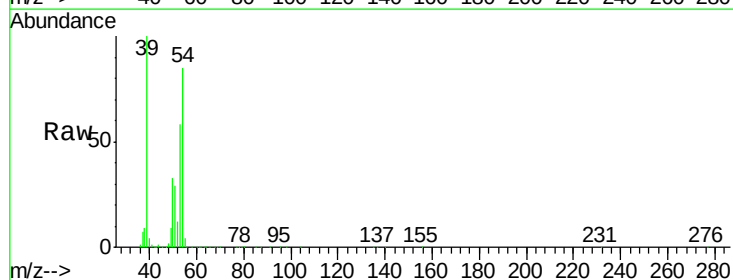
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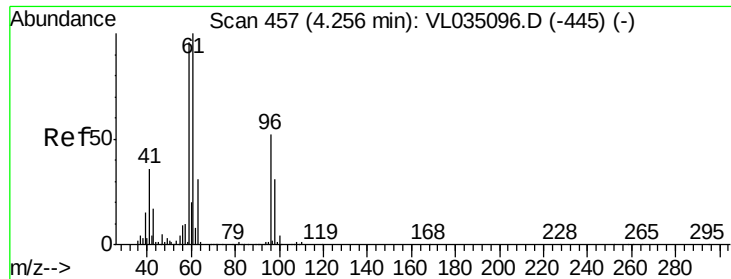
MMDadoda
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#16
1,3-Butadiene
Concen: 10.146 ppbv
RT: 3.29 min Scan# 155
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Tgt Ion: 39 Resp: 592019
Ion Ratio Lower Upper
39 100
54 83.4 67.0 100.4





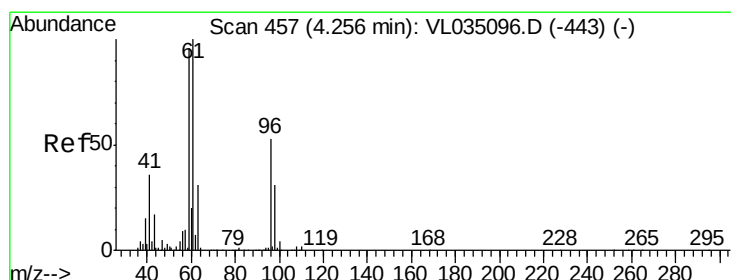
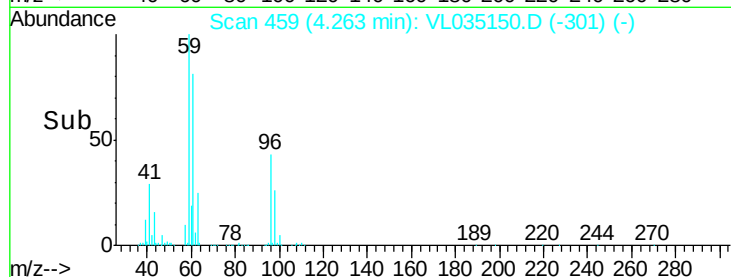
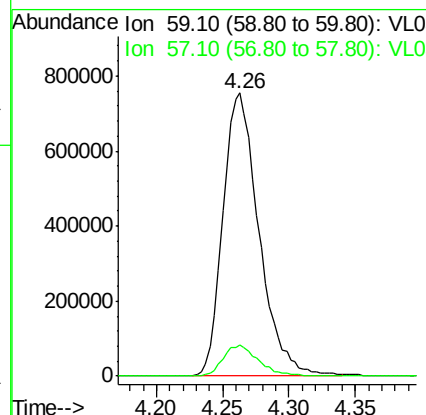
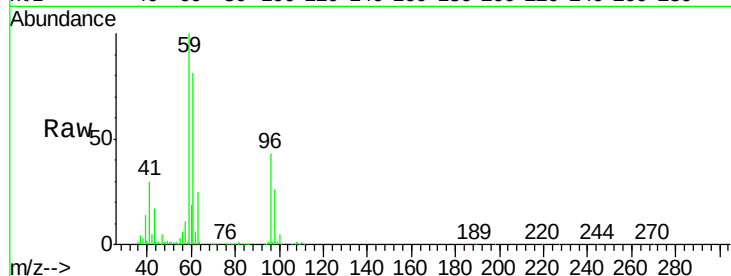
#17
tert-Butyl alcohol
Concen: 12.047 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.01 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion: 59 Resp: 1420396
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

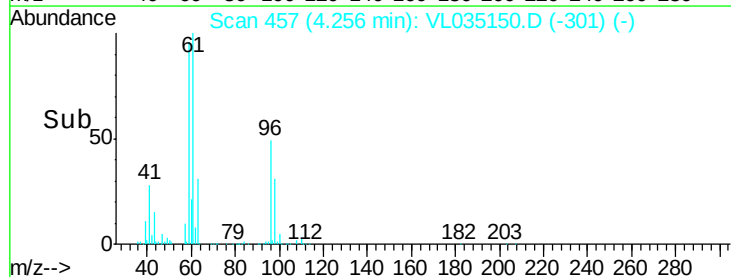
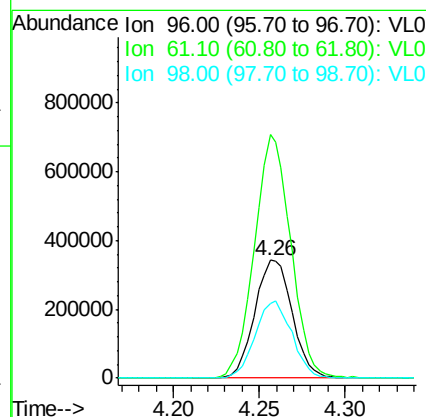
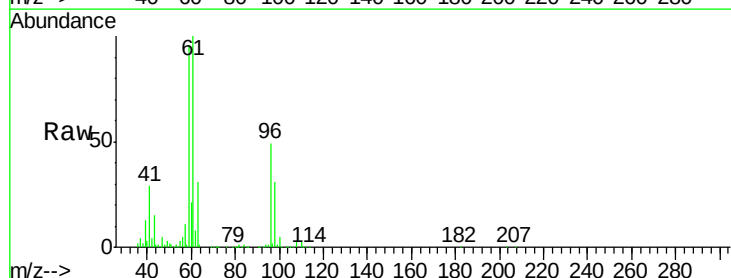
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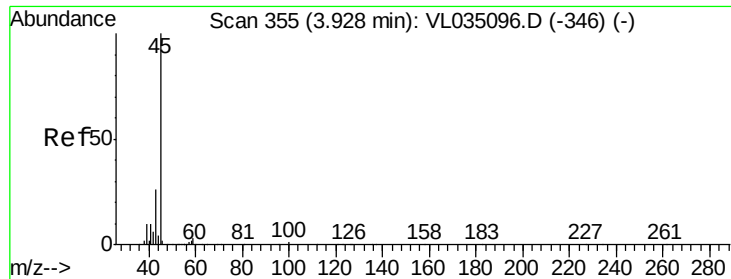
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#18
1,1-Dichloroethene
Concen: 10.461 ppbv
RT: 4.26 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Tgt Ion: 96 Resp: 517864
Ion Ratio Lower Upper
96 100
61 206.2 152.2 228.4
98 63.2 47.7 71.5





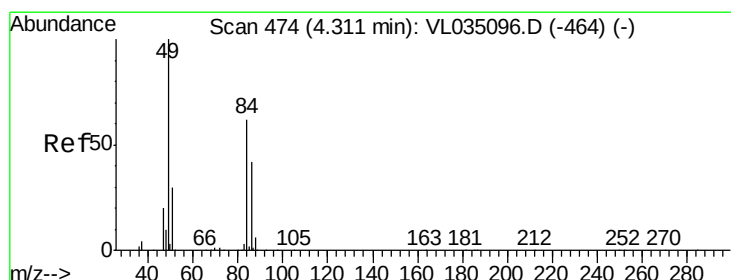
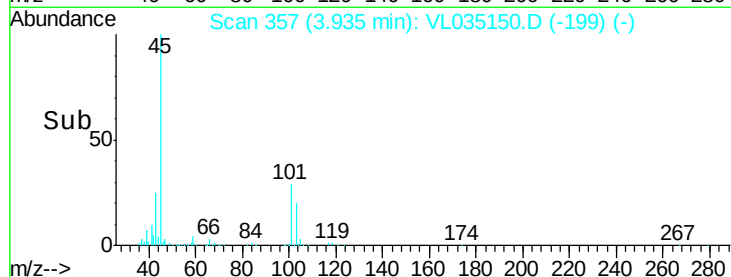
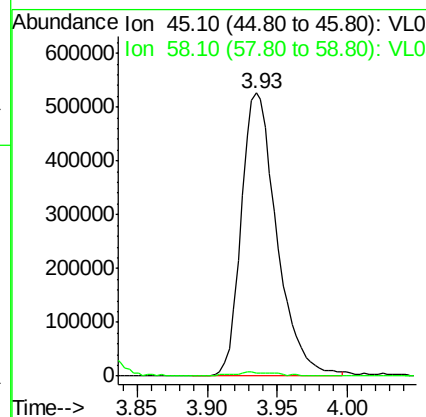
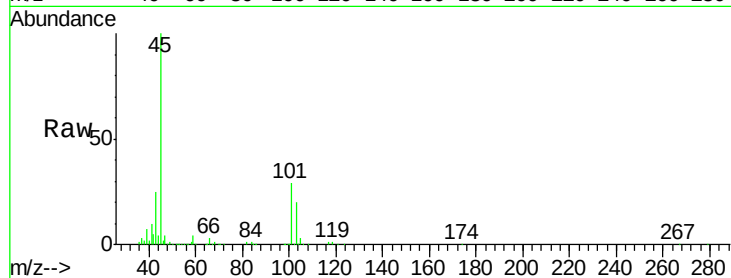
#19
Isopropyl Alcohol
Concen: 10.762 ppbv
RT: 3.93 min Scan# 357
Delta R.T. 0.01 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.8	2.8

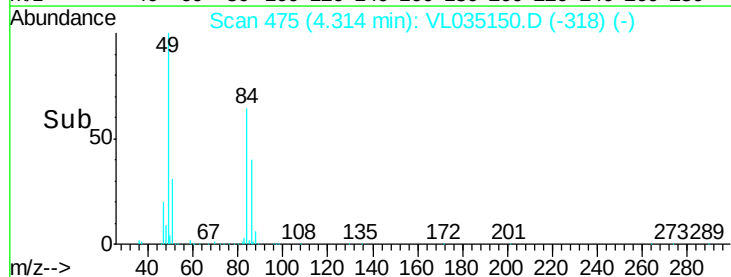
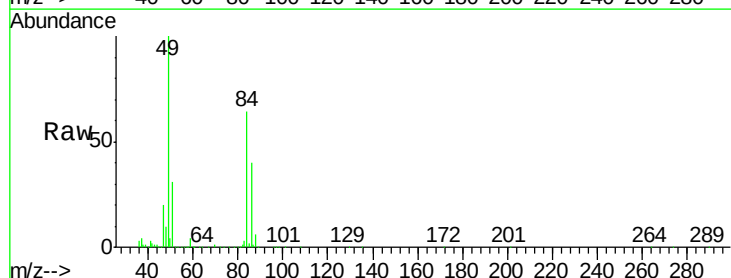
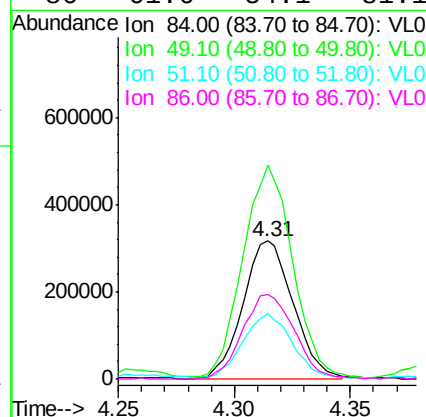
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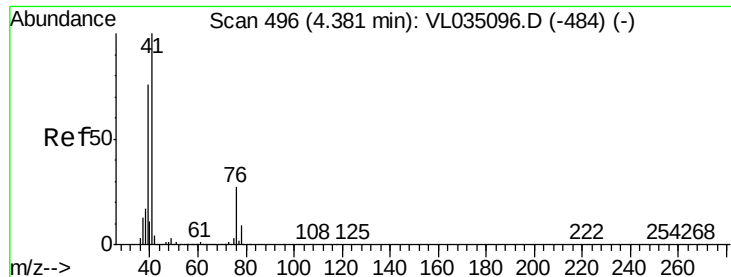
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#20
Methylene Chloride
Concen: 8.784 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.3	128.8	193.2
51	46.7	38.7	58.1
86	61.6	54.1	81.1





#21

Allvl Chloride

Concen: 10.954 ppbv

RT: 4.38 min Scan# 497

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Instrument :

MSVOA_L

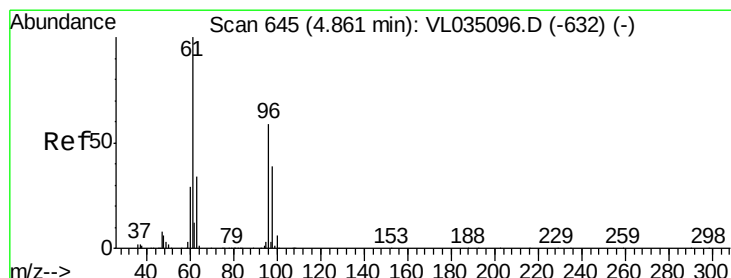
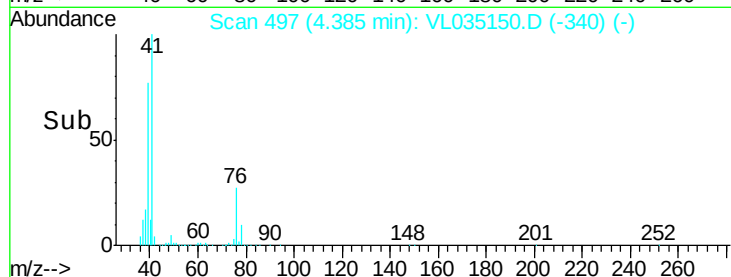
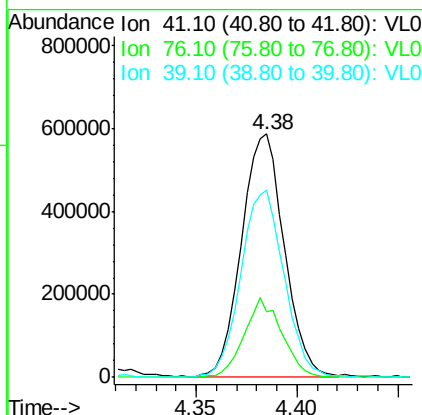
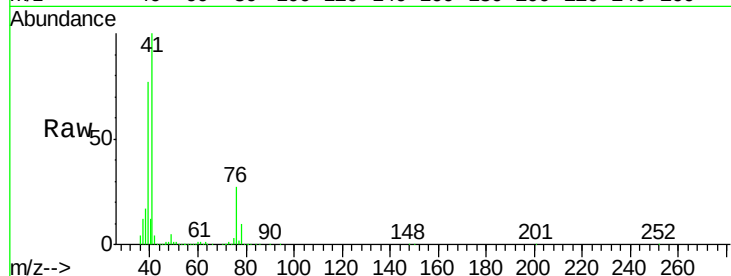
ClientSampleId :

VL0706ABS01

Tot Ion:	41	Resp:	866124
Ion	Ratio	Lower	Upper
41	100		
76	29.4	22.6	34.0
39	78.3	61.6	92.4

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 11.074 ppbv

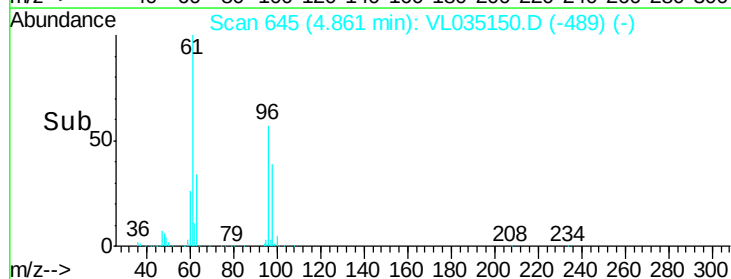
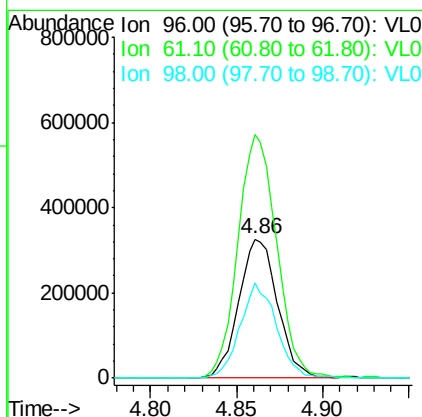
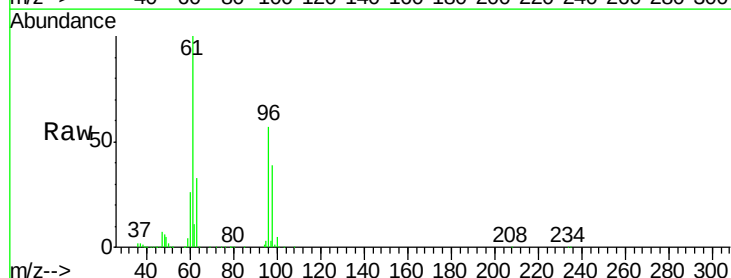
RT: 4.86 min Scan# 645

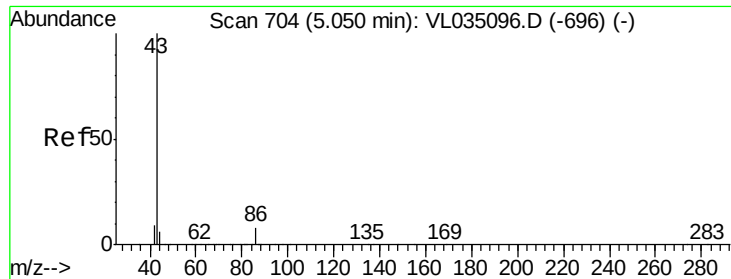
Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Tgt Ion:	96	Resp:	512924
Ion	Ratio	Lower	Upper
96	100		
61	174.8	134.5	201.7
98	68.4	52.6	79.0





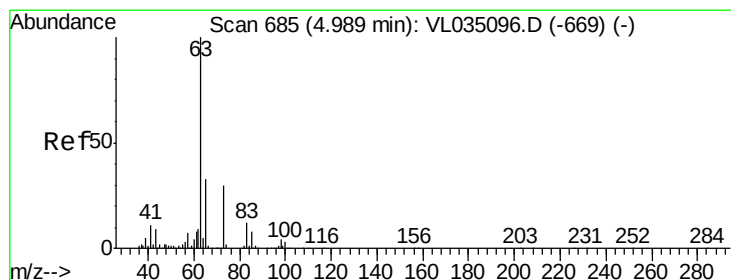
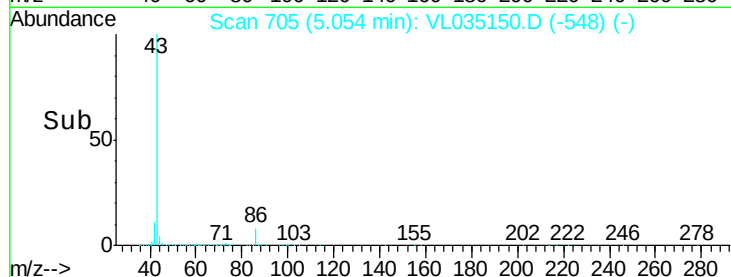
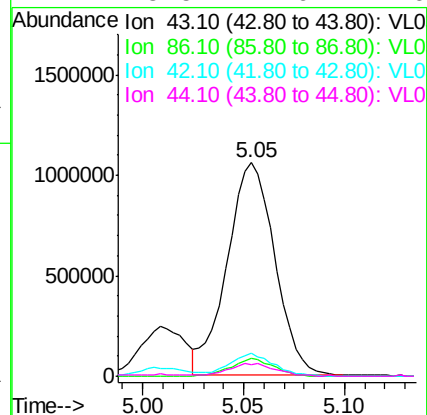
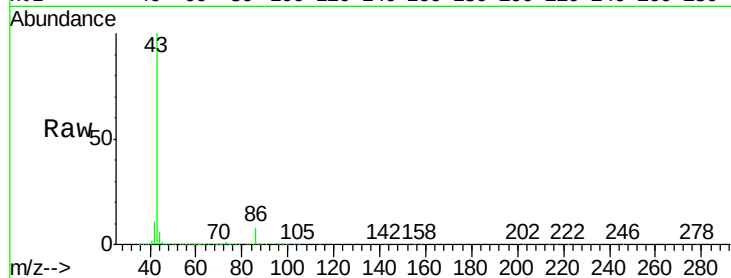
#23
 Vinyl Acetate
 Concen: 10.790 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: VL035150.D
 Acq: 6 Jul 2020 17:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion	43	Resp	1742481
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.2	9.2
42	10.4	8.1	12.1
44	5.5	4.6	7.0

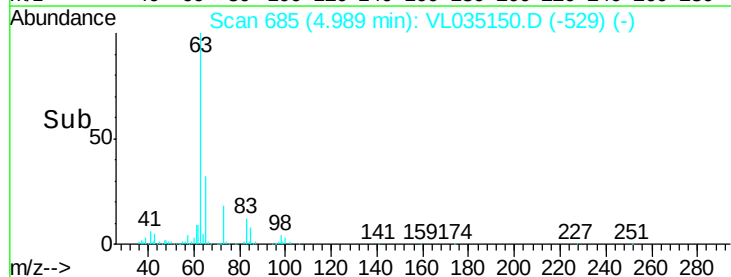
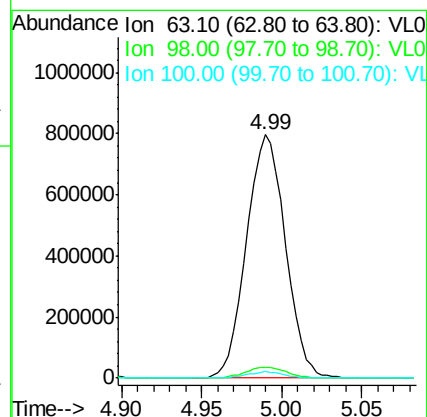
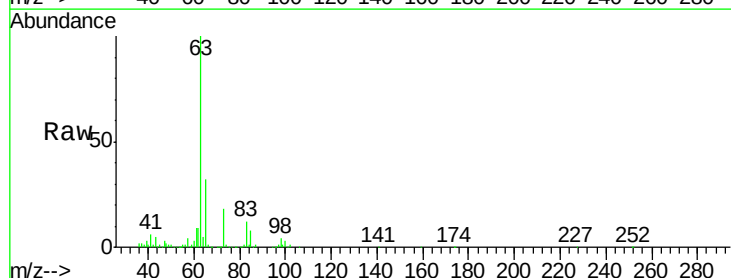
Manual Integrations
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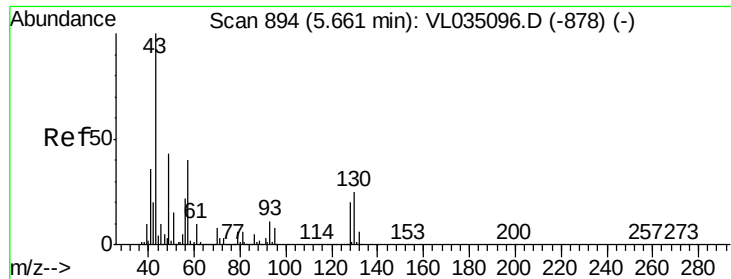
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#24
 1,1-Dichloroethane
 Concen: 9.701 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. 0.00 min
 Lab File: VL035150.D
 Acq: 6 Jul 2020 17:52

Tgt Ion	63	Resp	1320748
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.9
100	3.0	1.4	4.0





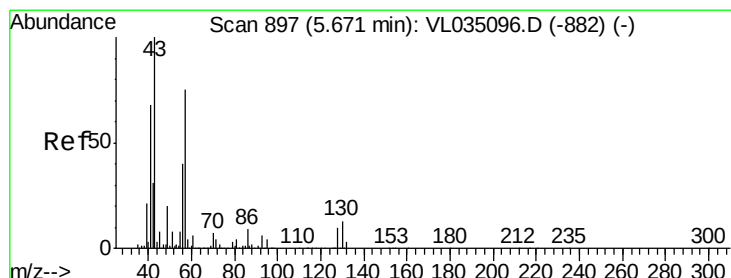
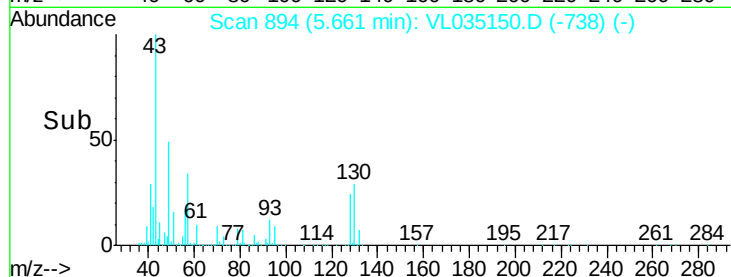
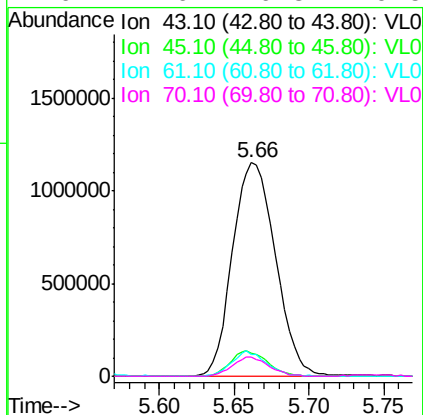
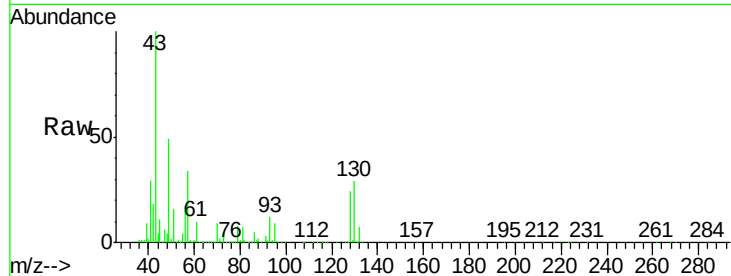
#25
Ethyl Acetate
Concen: 9.575 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.4	8.4	12.6	
61	9.8	8.0	12.0	
70	7.6	6.3	9.5	

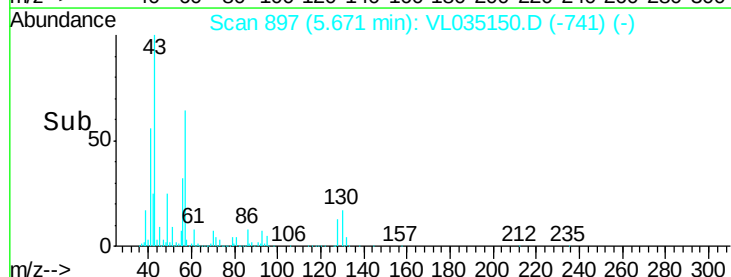
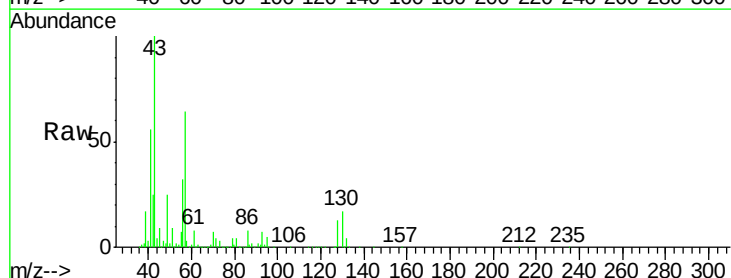
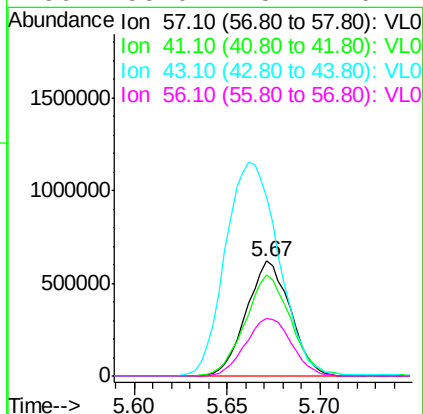
Manual Integrations
APPROVED

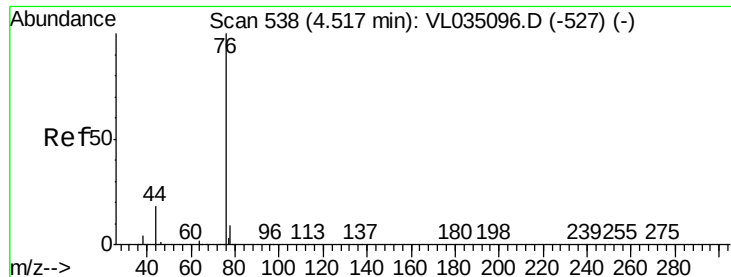
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#26
Hexane
Concen: 9.450 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	91.6	72.9	109.3	
43	225.3	181.3	271.9	
56	53.0	43.1	64.7	





#27

Carbon Disulfide

Concen: 13.654 ppbv

RT: 4.52 min Scan# 540

Delta R.T. 0.01 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion: 76 Resp: 1529605

Ion Ratio Lower Upper

76 100

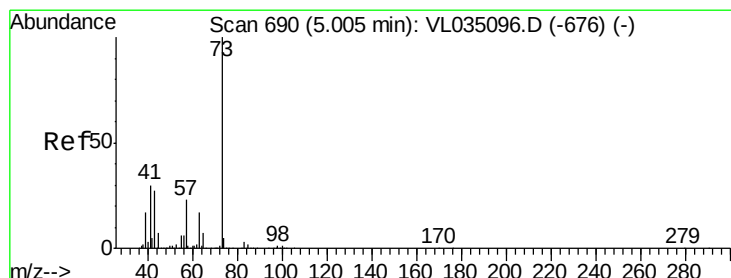
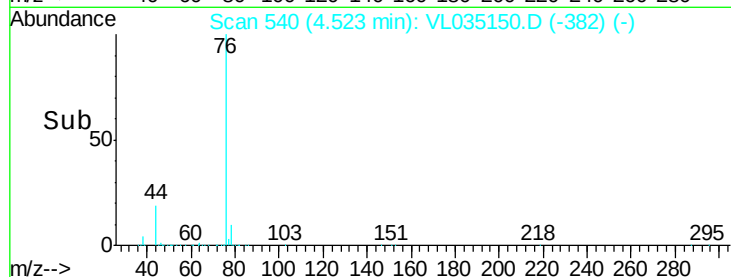
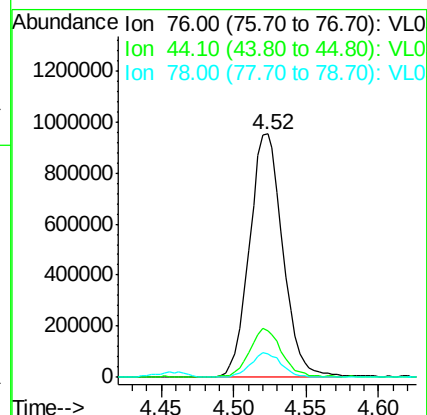
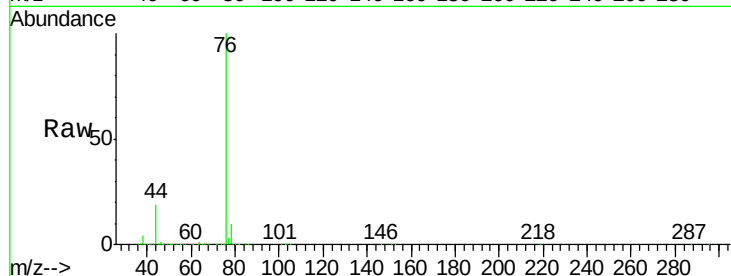
44 19.4 15.8 23.8

78 9.6 7.6 11.4

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 10.623 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL035150.D

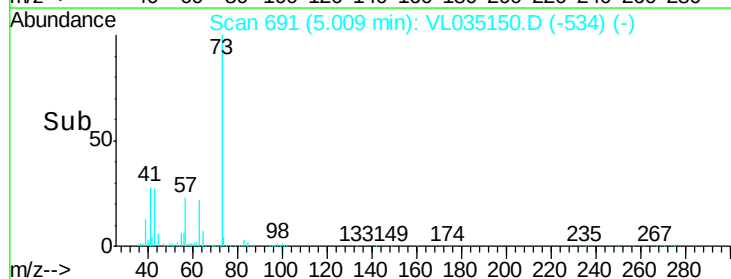
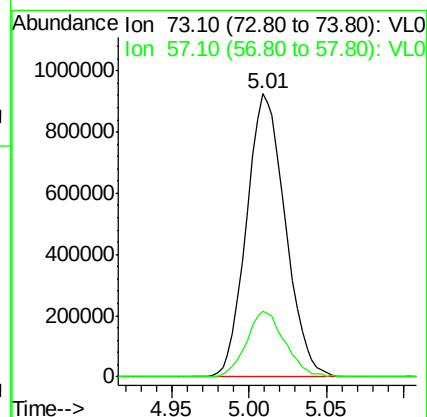
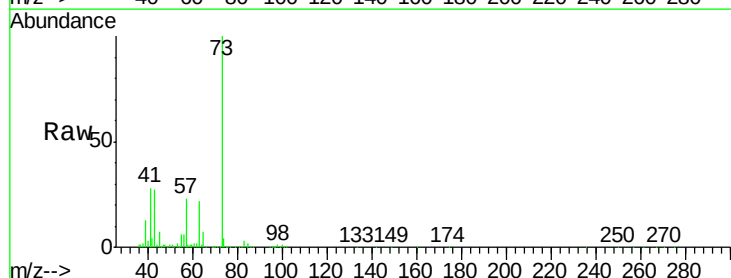
Acq: 6 Jul 2020 17:52

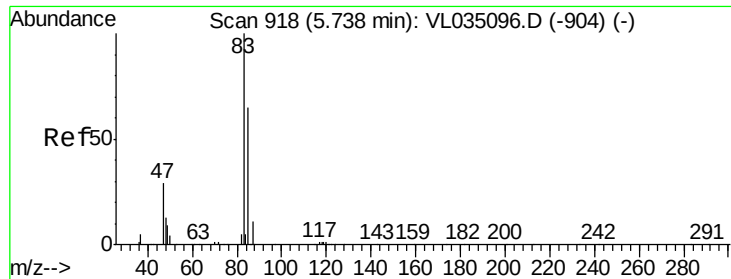
Tgt Ion: 73 Resp: 1615793

Ion Ratio Lower Upper

73 100

57 23.1 18.5 27.7





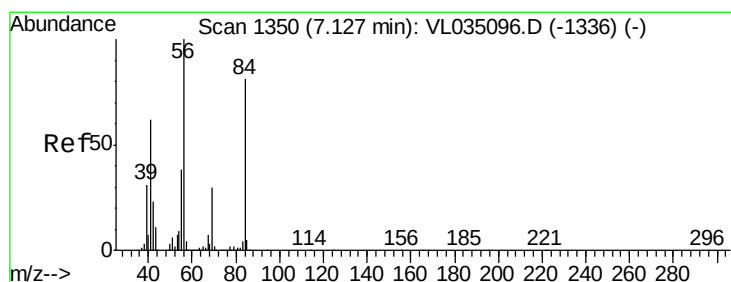
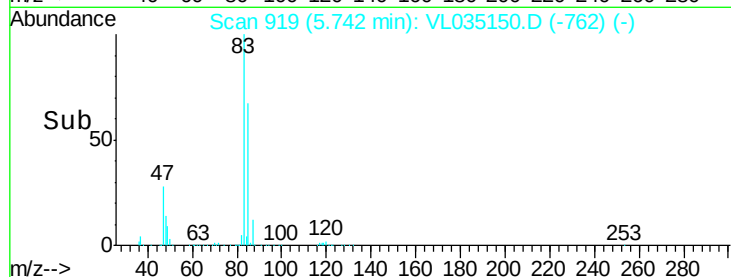
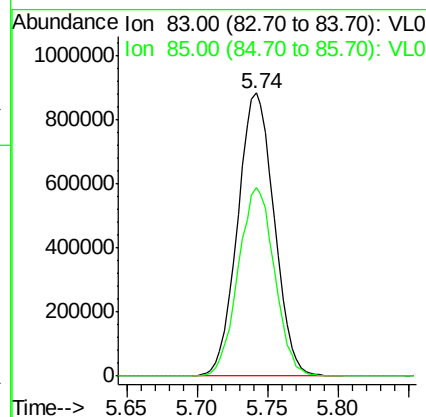
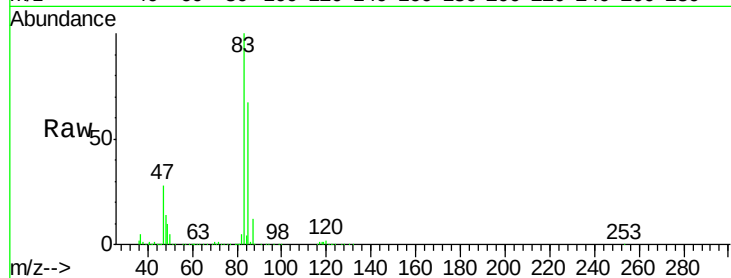
#29
Chloroform
Concen: 9.480 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion: 83 Resp: 1605913
Ion Ratio Lower Upper
83 100
85 66.4 52.1 78.1

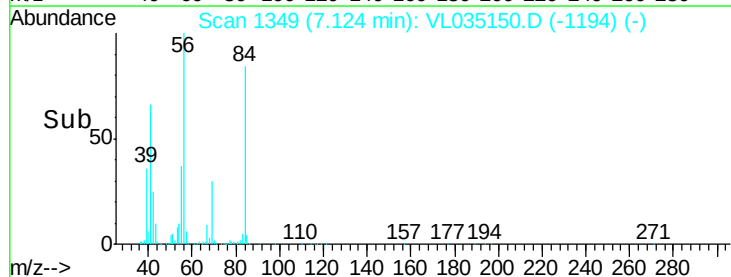
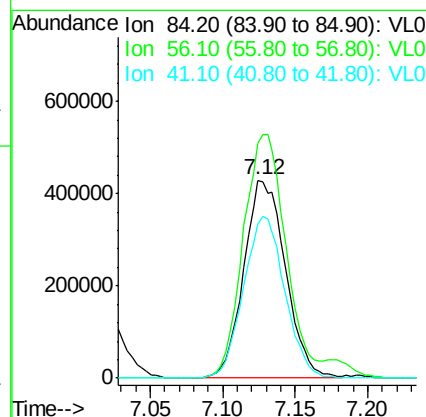
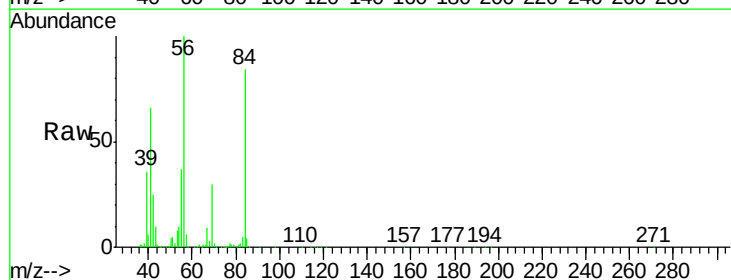
Manual Integrations
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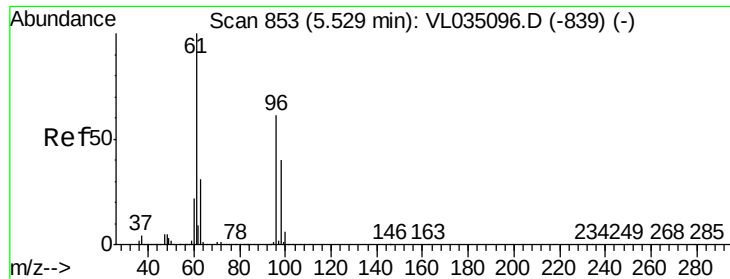
MMDadoda
7/9/2020 5:42:30 PM



#30
Cyclohexane
Concen: 11.002 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Tgt Ion: 84 Resp: 854722
Ion Ratio Lower Upper
84 100
56 132.7 108.0 162.0
41 81.3 65.6 98.4





#31

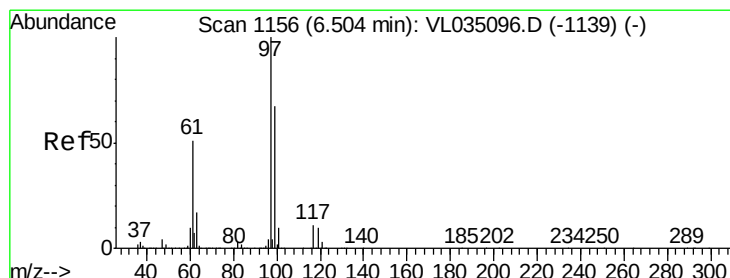
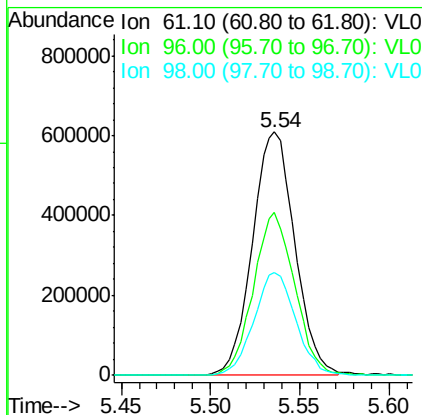
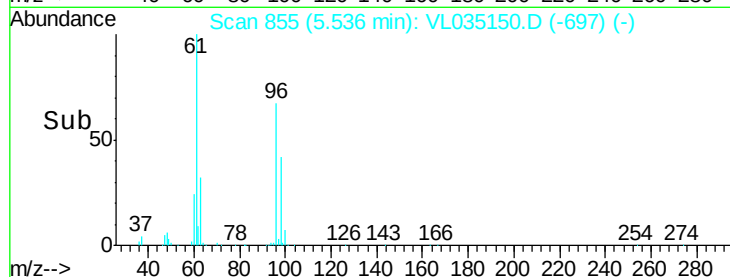
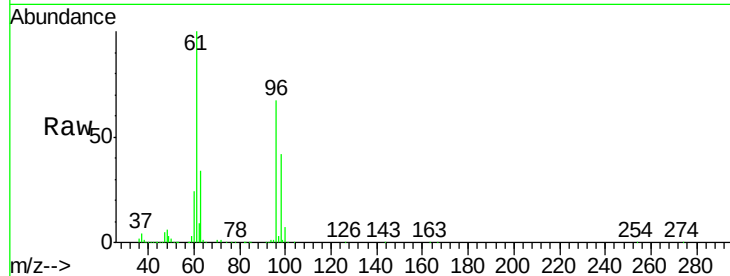
cis-1,2-Dichloroethene
Concen: 10.132 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.01 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.8	48.8	73.2
98	42.3	31.9	47.9

Manual Integrations
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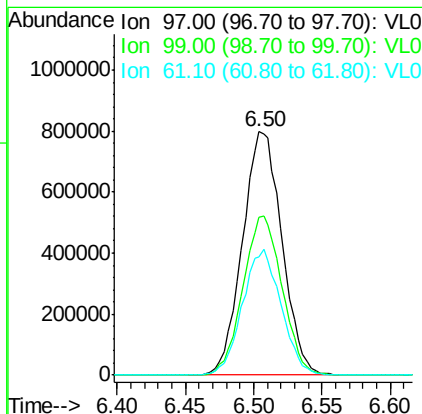
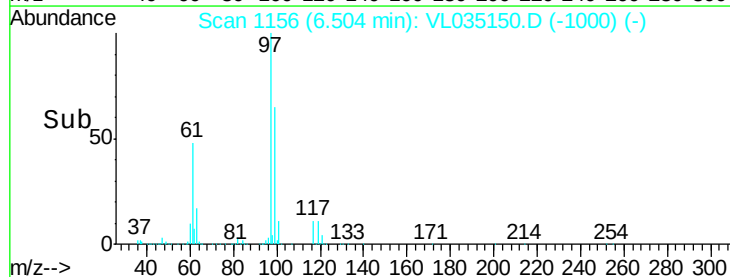
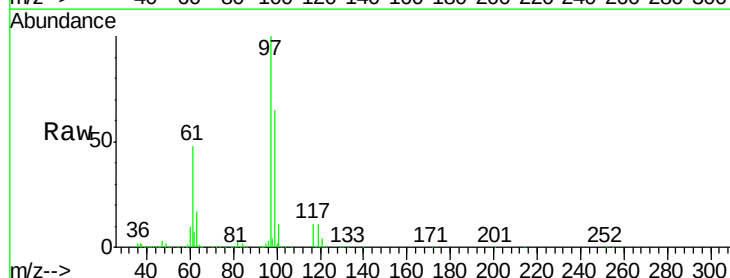
MMDadoda
7/9/2020 5:42:30 PM

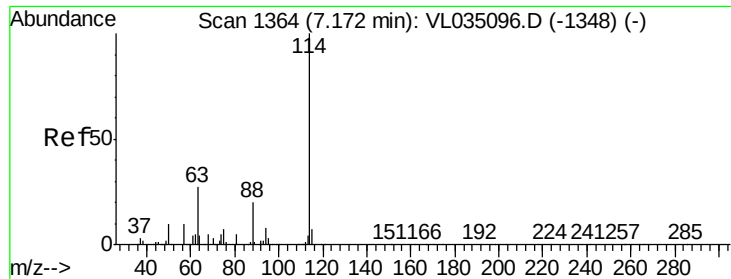


#32

1,1,1-Trichloroethane
Concen: 10.200 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	50.6	41.0	61.6





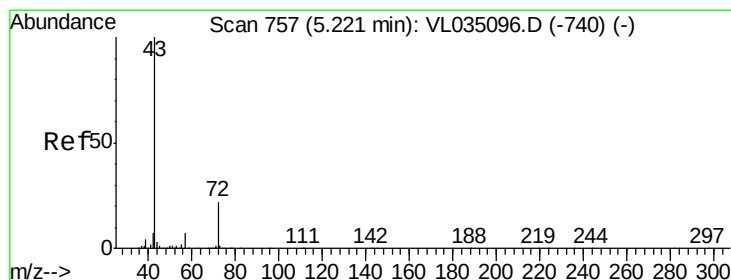
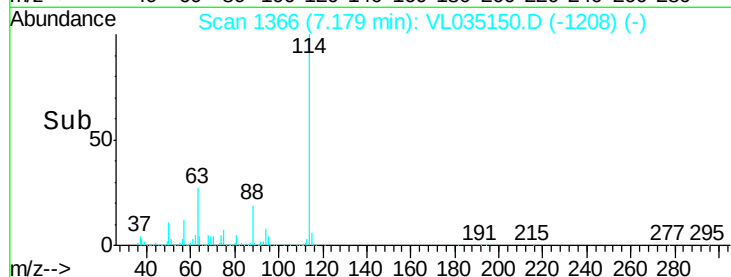
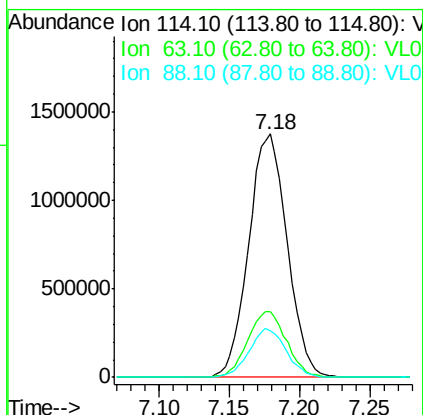
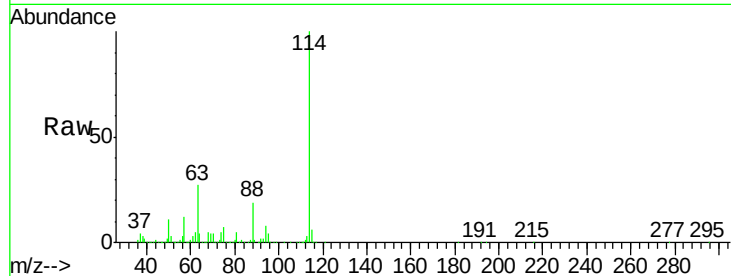
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VL035150.D
 Acq: 6 Jul 2020 17:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.5	21.9	32.9
88	19.2	15.6	23.4

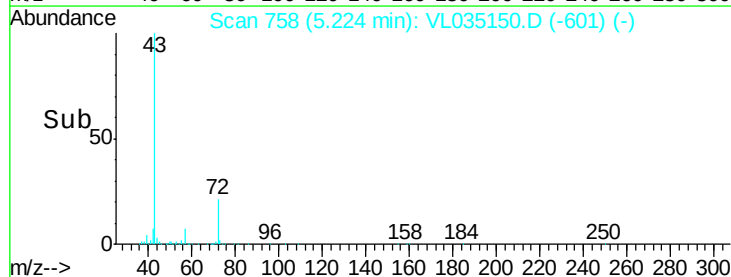
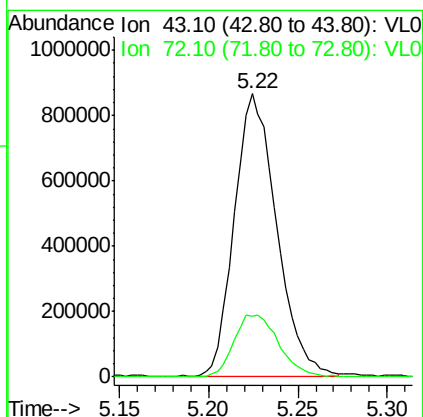
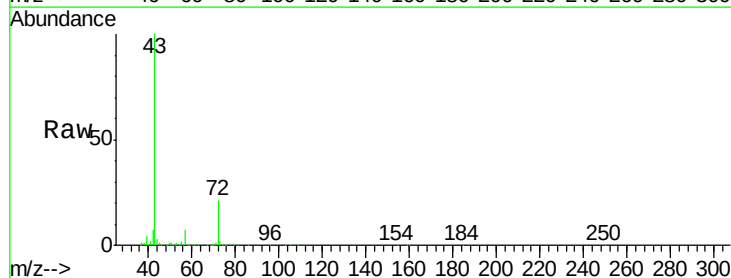
Manual Integrations
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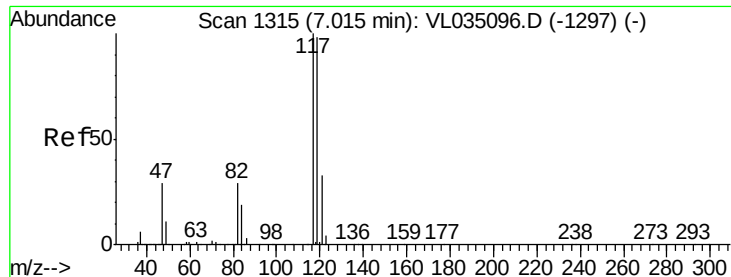
MMDadoda
 7/9/2020 5:42:30 PM



#34
 2-Butanone
 Concen: 9.513 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: VL035150.D
 Acq: 6 Jul 2020 17:52

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.3	27.5





#35

Carbon Tetrachloride

Concen: 10.496 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion:117 Resp: 1655173

Ion Ratio Lower Upper

117 100

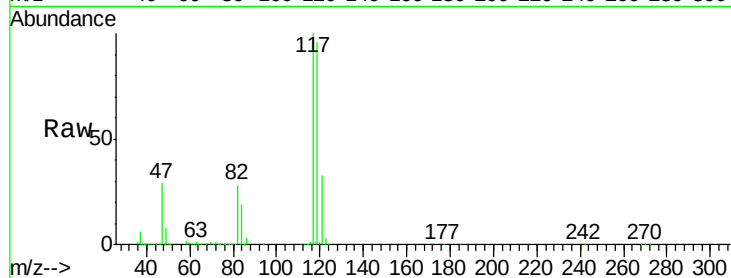
119 95.6 78.3 117.5

121 32.7 26.0 39.0

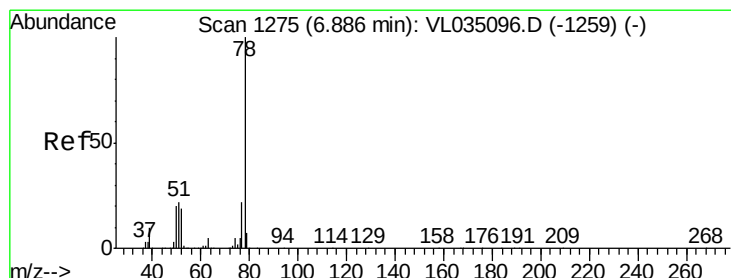
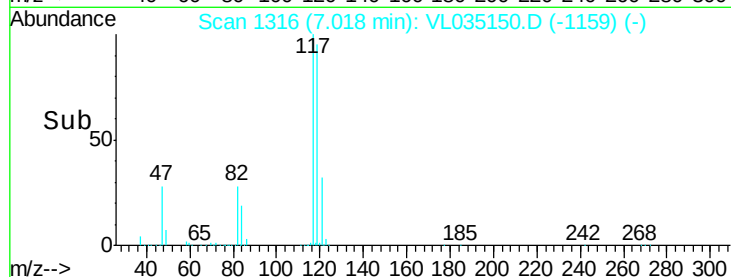
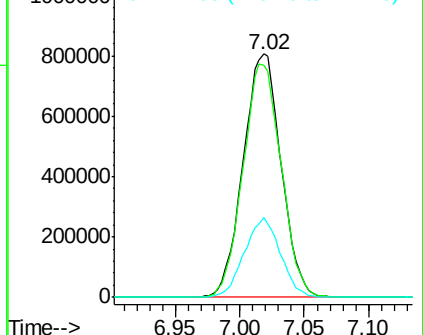
Manual Integrations
APPROVED

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7/9/2020 5:42:30 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: 9.992 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

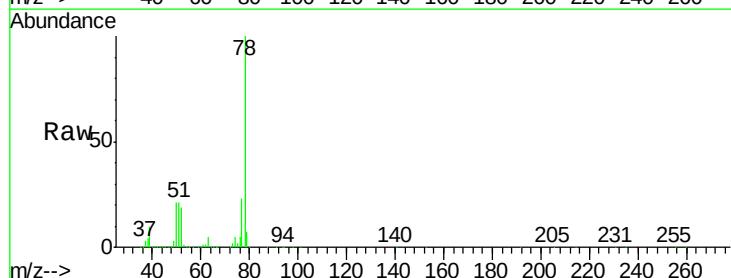
Tgt Ion: 78 Resp: 2034278

Ion Ratio Lower Upper

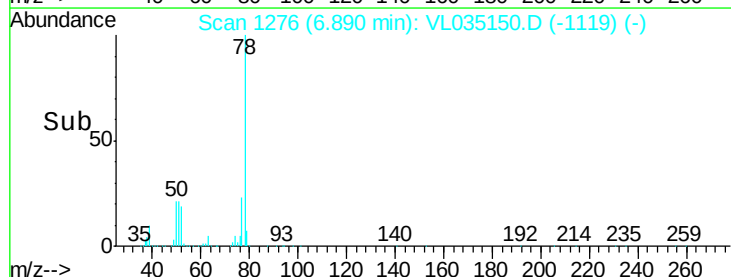
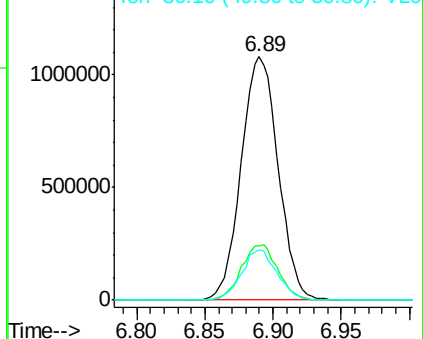
78 100

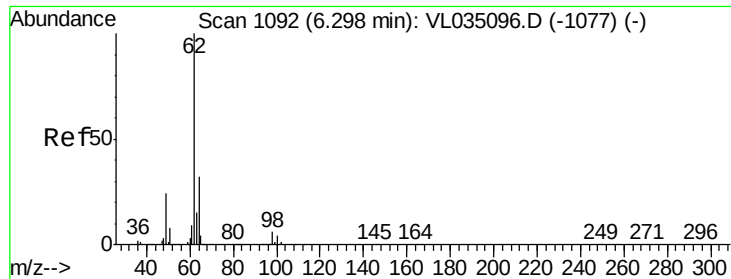
77 22.5 17.8 26.6

50 20.5 16.2 24.2



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





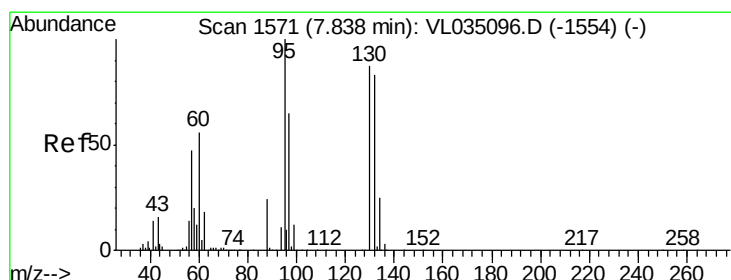
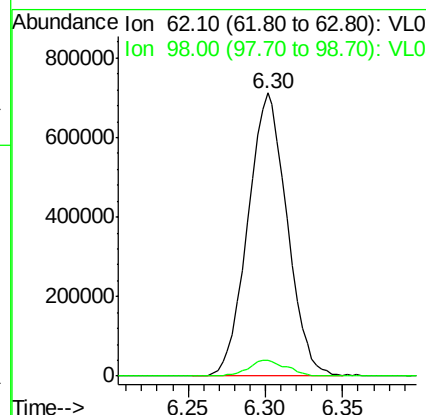
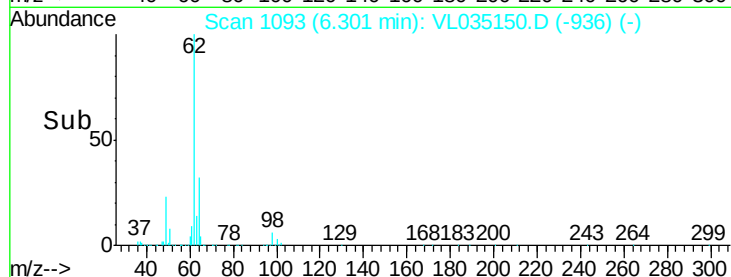
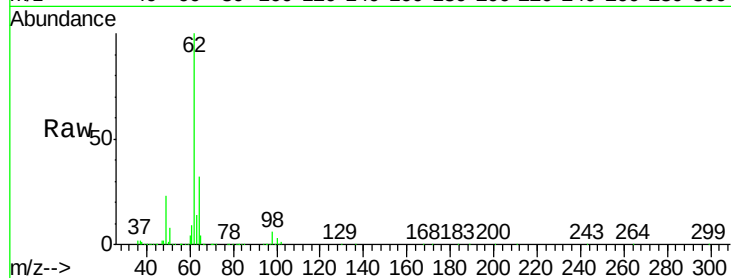
#37
 1,2-Dichloroethane
 Concen: 9.762 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL035150.D
 Acq: 6 Jul 2020 17:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.8	7.2

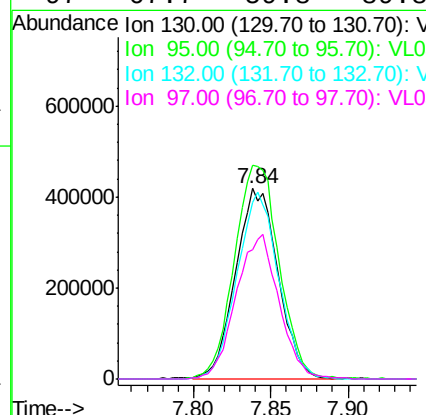
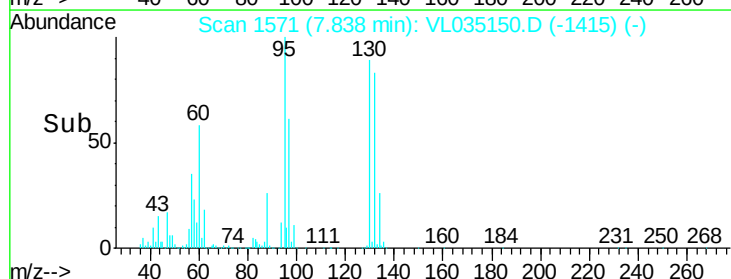
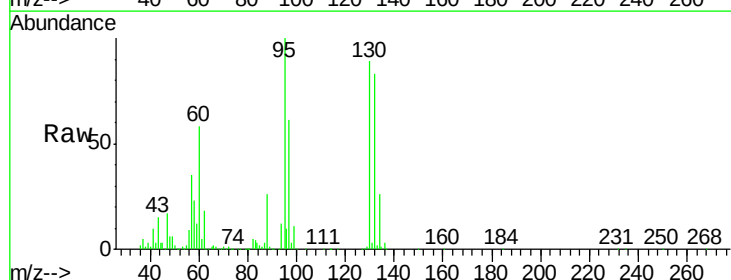
Manual Integrations
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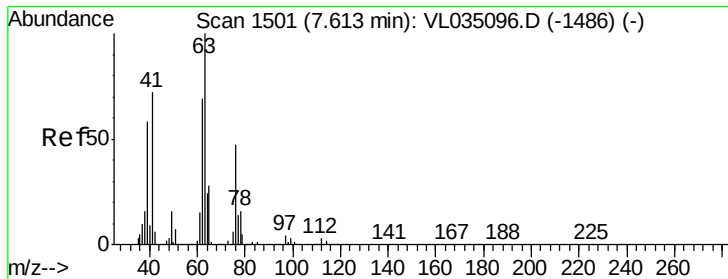
MMDadoda
 7/9/2020 5:42:30 PM



#38
 Trichloroethene
 Concen: 10.074 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL035150.D
 Acq: 6 Jul 2020 17:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.9	91.4	137.2
132	92.6	75.8	113.6
97	67.7	59.8	89.8





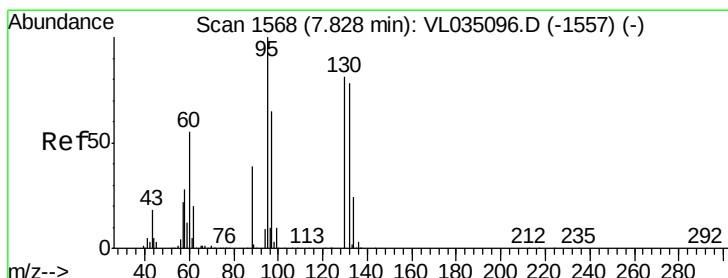
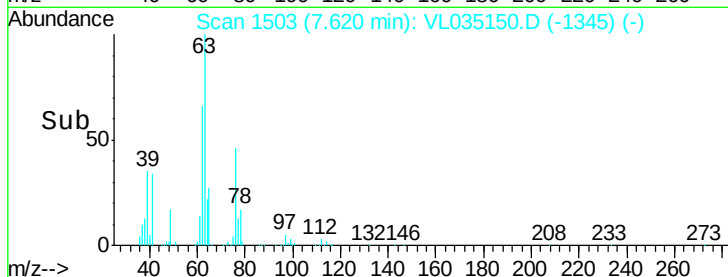
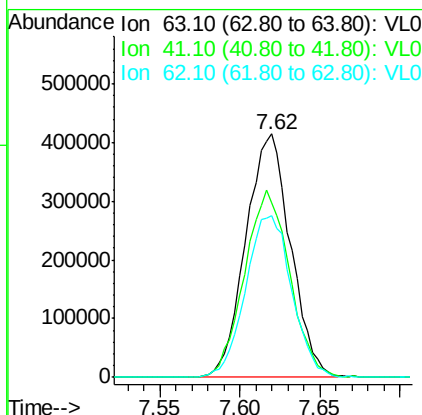
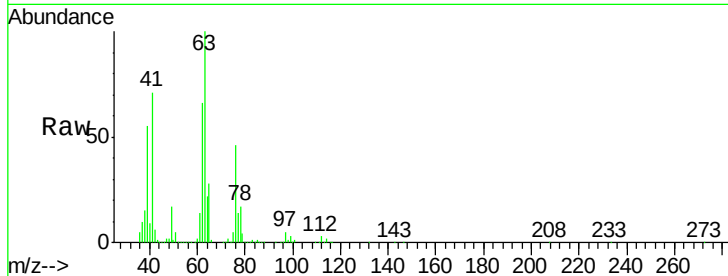
#39
 1,2-Dichloropropane
 Concen: 9.981 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. 0.01 min
 Lab File: VL035150.D
 Acq: 6 Jul 2020 17:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	71.2	58.0	87.0
62	66.0	55.4	83.0

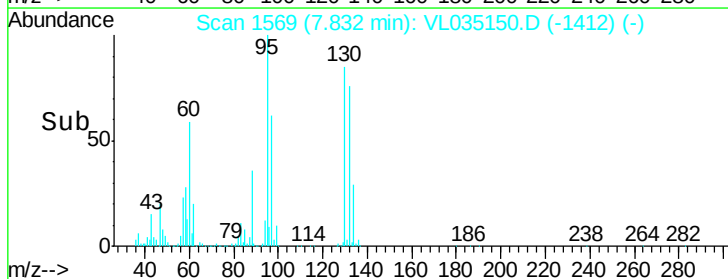
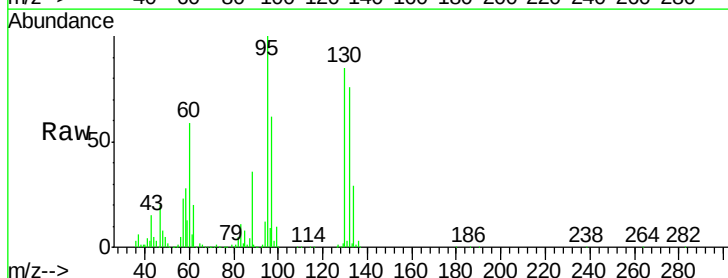
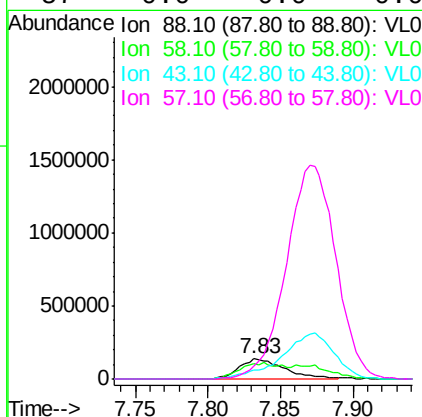
Manual Integrations
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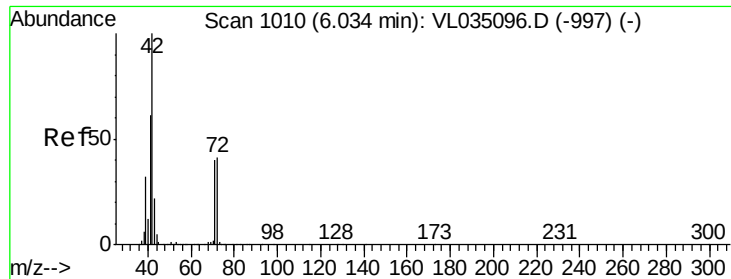
MMDadoda
 7/9/2020 5:42:30 PM



#40
 1,4-Dioxane
 Concen: 9.489 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL035150.D
 Acq: 6 Jul 2020 17:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	134.2	110.2	165.4
43	0.0	0.0	0.0
57	0.0	0.0	0.0





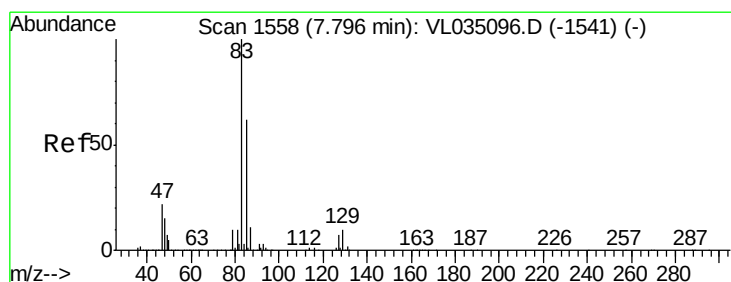
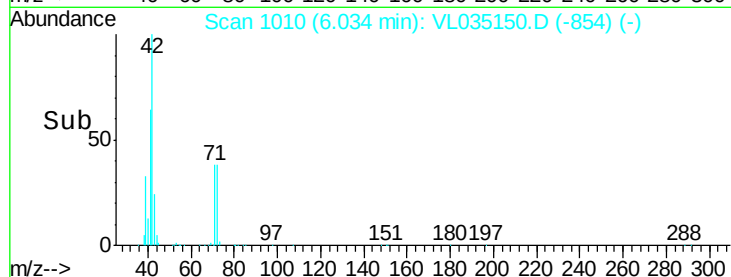
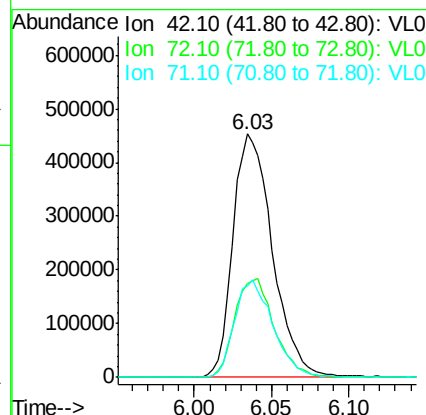
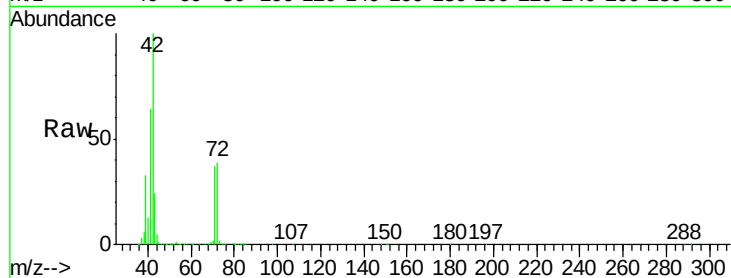
#41
Tetrahydrofuran
Concen: 10.360 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.4	50.2
71	39.2	31.8	47.6

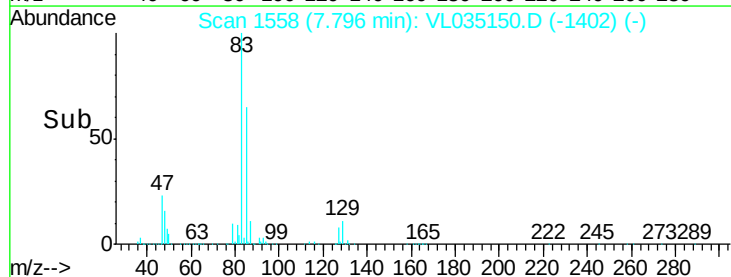
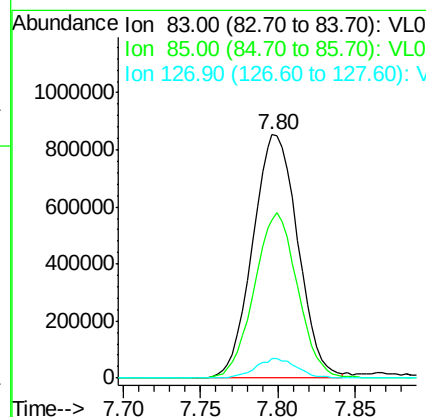
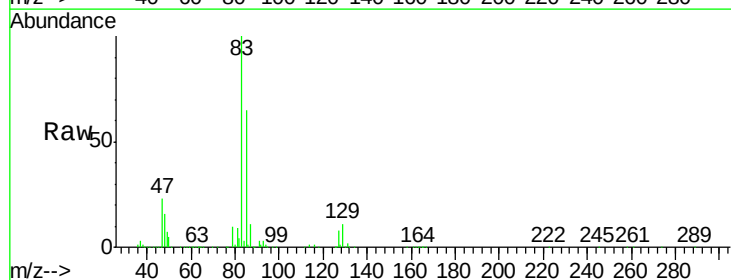
Manual Integrations
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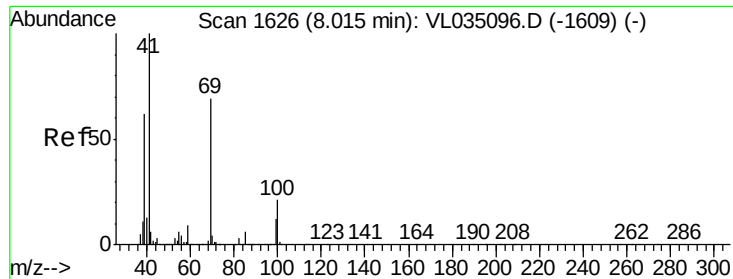
MMDadoda
7/9/2020 5:42:30 PM



#42
Bromodichloromethane
Concen: 10.405 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.4	74.0
127	7.9	5.9	8.9





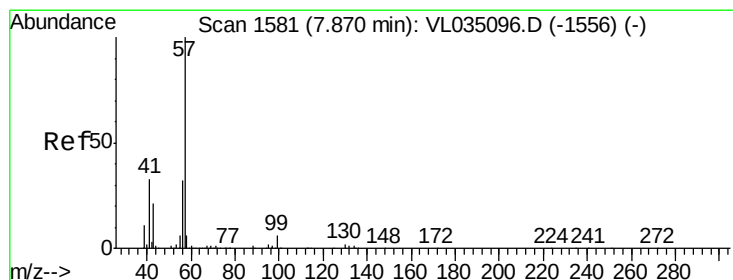
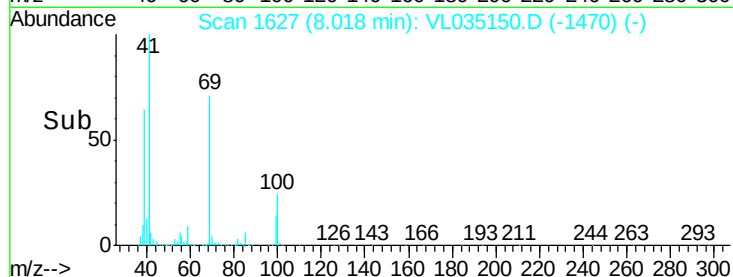
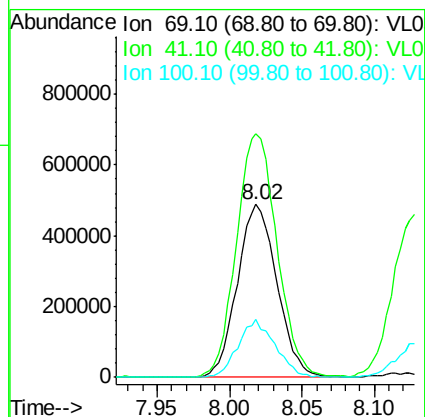
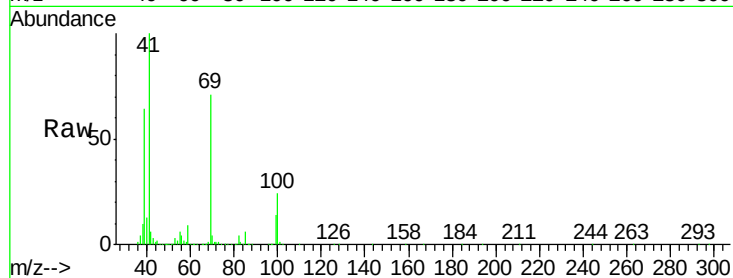
#43
Methyl Methacrylate
Concen: 10.786 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	144.2	116.4	174.6	
100	31.4	25.3	37.9	

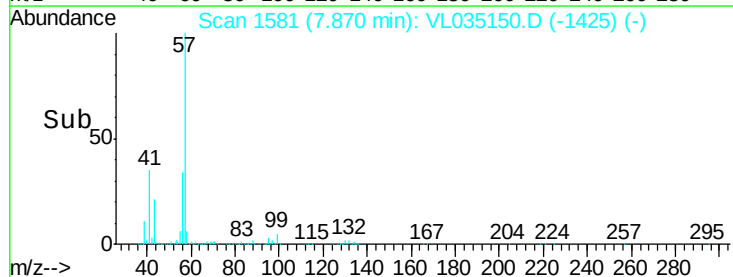
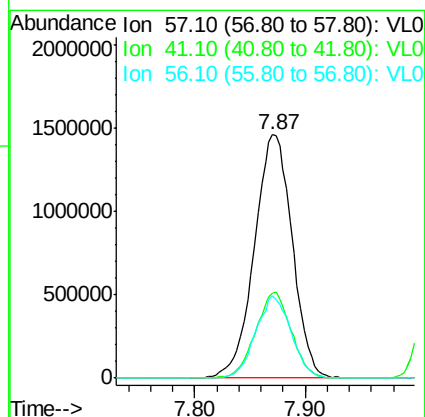
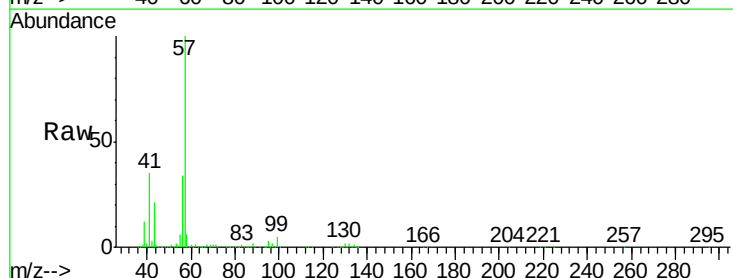
Manual Integrations
APPROVED

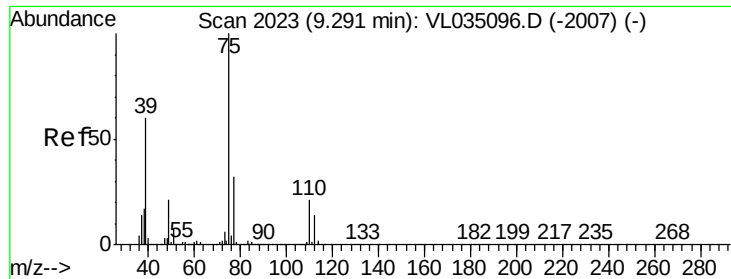
MMDadoda
7/9/2020 5:42:30 PM



#44
2,2,4-Trimethylpentane
Concen: 9.796 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.4	26.2	39.2	
56	31.5	25.4	38.2	





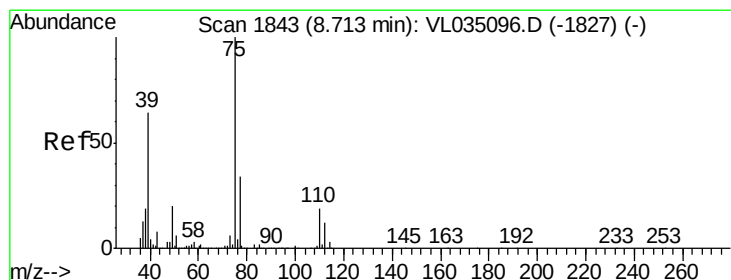
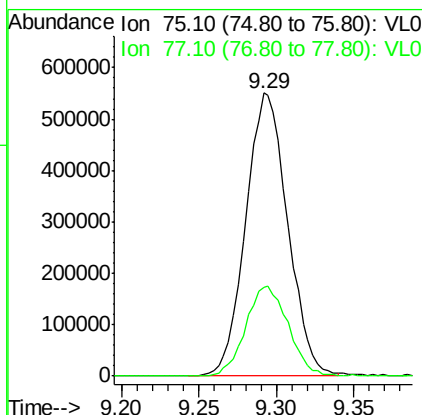
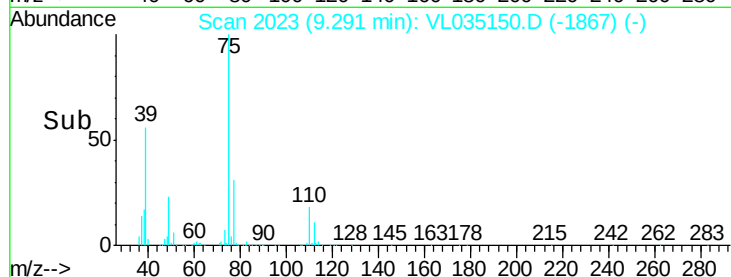
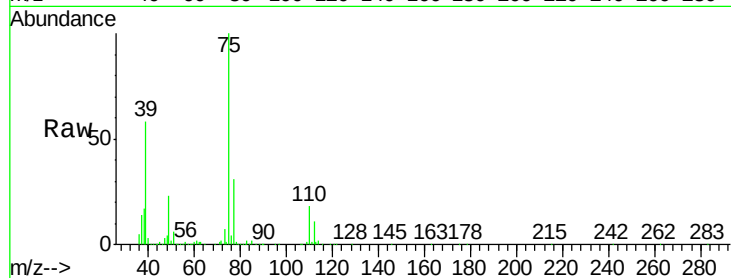
#45
t-1,3-Dichloropropene
Concen: 12.399 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion: 75 Resp: 1039854
Ion Ratio Lower Upper
75 100
77 31.2 25.5 38.3

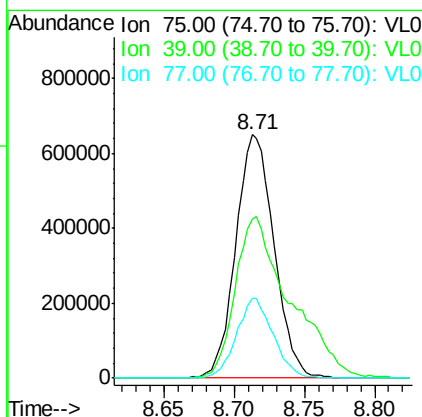
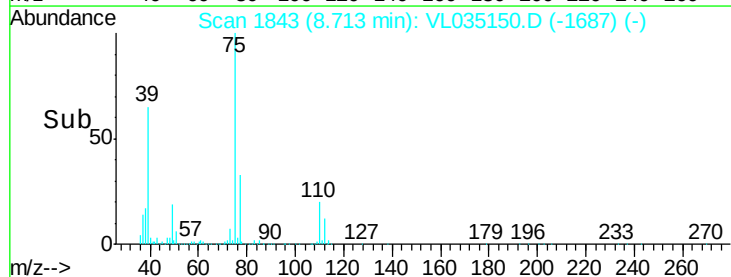
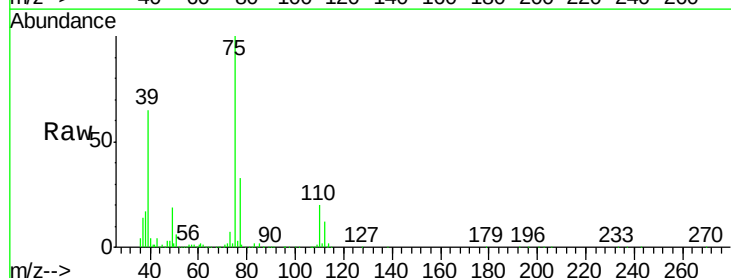
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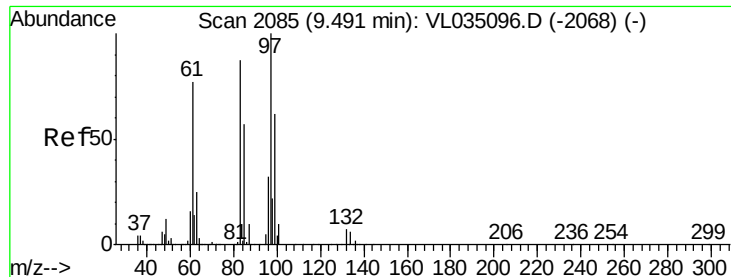
MMDadoda
7/9/2020 5:42:30 PM



#46
cis-1,3-Dichloropropene
Concen: 11.860 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Tgt Ion: 75 Resp: 1235656
Ion Ratio Lower Upper
75 100
39 65.2 51.1 76.7
77 32.5 26.9 40.3





#47

1,1,2-Trichloroethane

Concen: 9.769 ppbv

RT: 9.49 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Instrument :

MSVOA_L

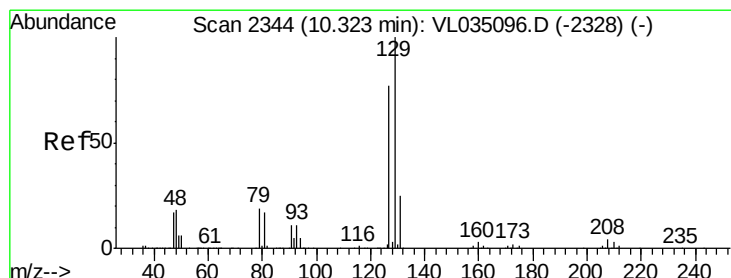
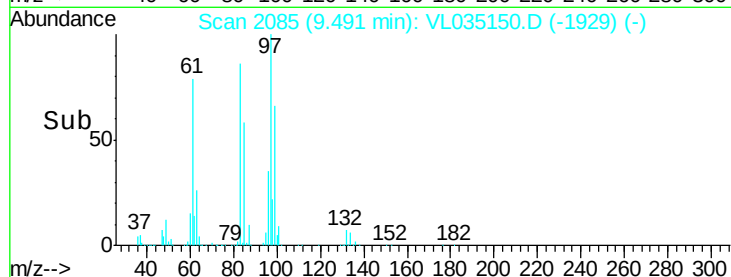
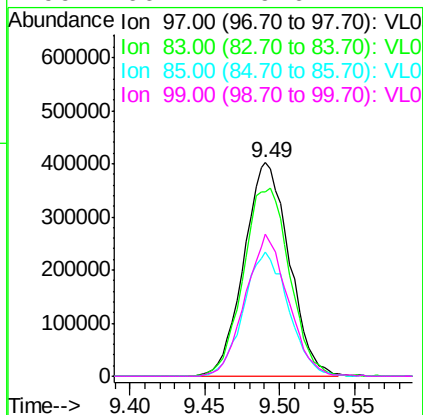
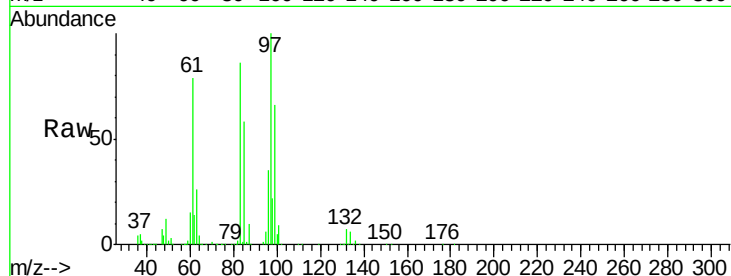
ClientSampleId :

VL0706ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		848966		
83	86.3	69.5	104.3		
85	58.0	46.0	69.0		
99	66.1	49.6	74.4		

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#48

Dibromochloromethane

Concen: 11.091 ppbv

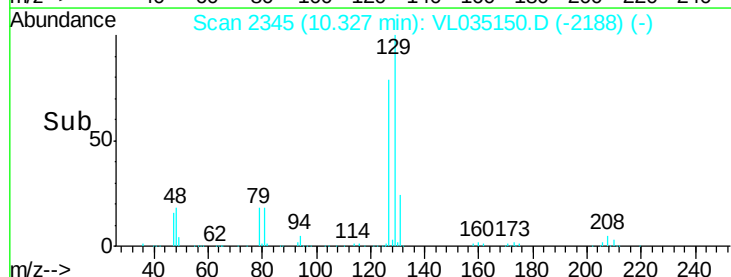
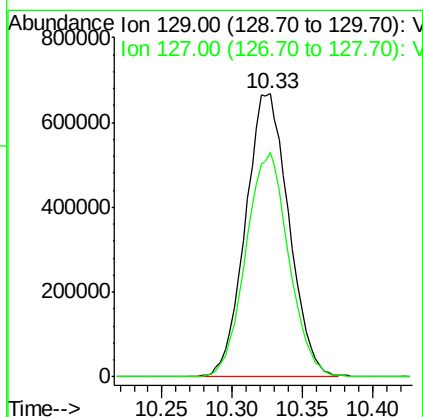
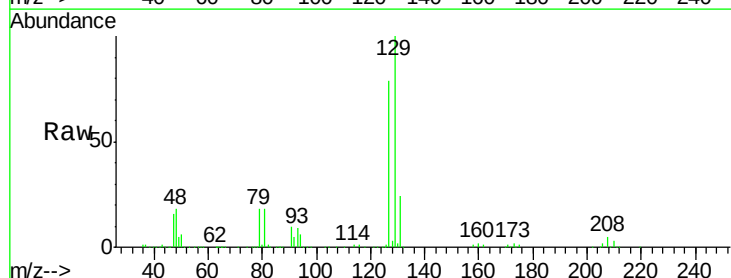
RT: 10.33 min Scan# 2345

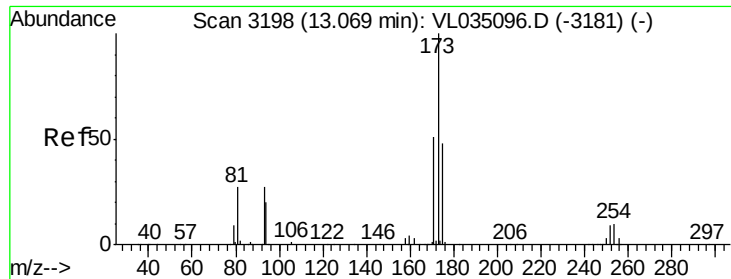
Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1437001		
127	78.5	39.3	117.8		





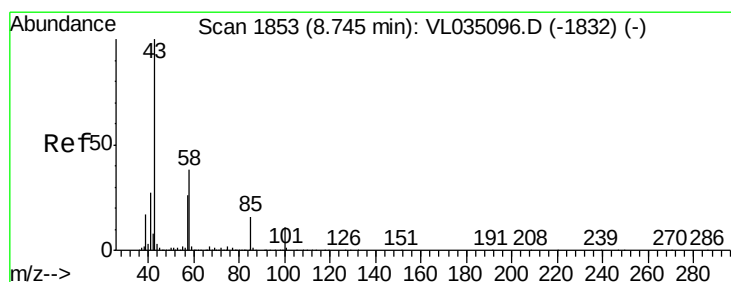
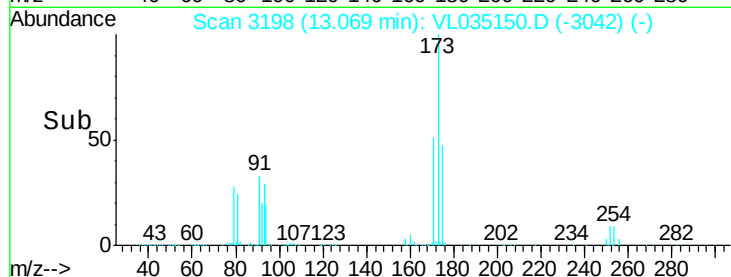
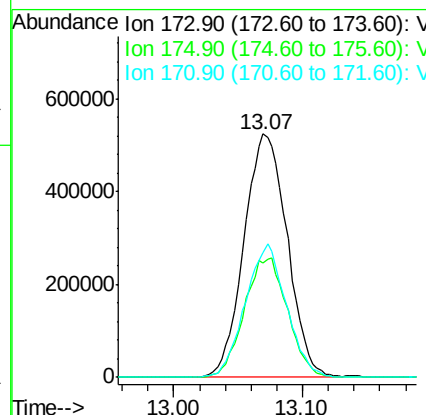
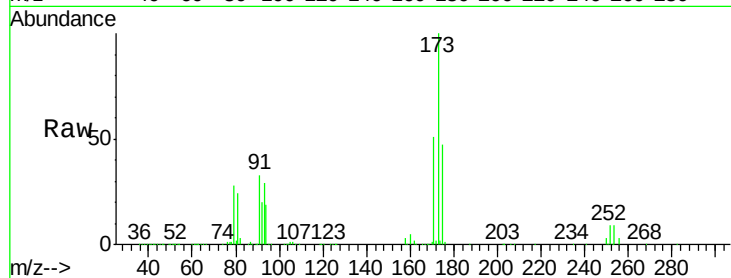
#49
Bromoform
Concen: 11.108 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion:173 Resp: 1222638
Ion Ratio Lower Upper
173 100
175 49.2 39.1 58.7
171 52.1 41.7 62.5

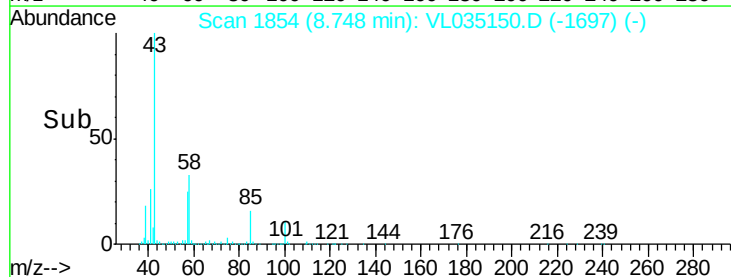
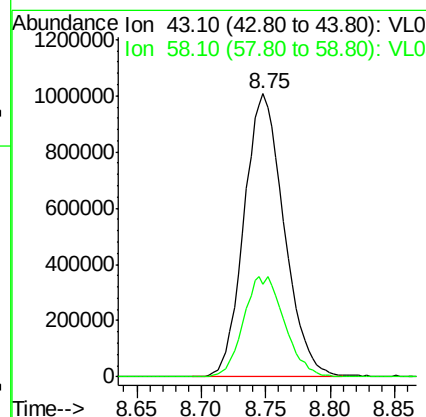
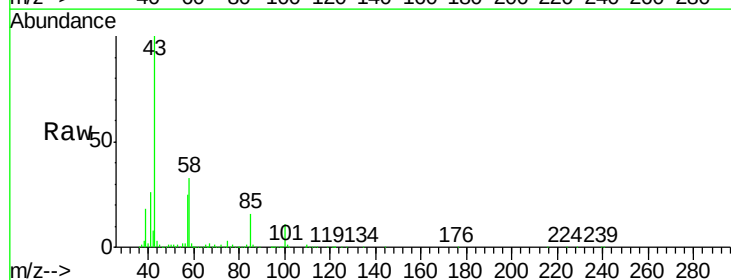
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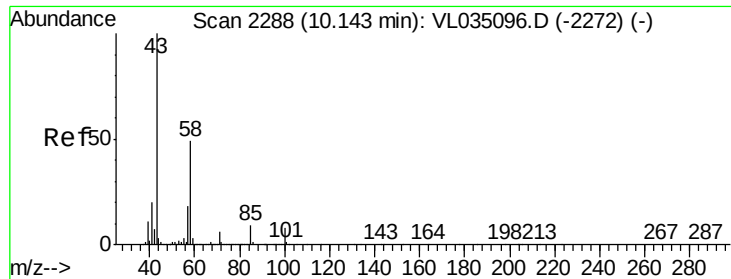
MMDadoda
7/9/2020 5:42:30 PM



#50
4-Methyl-2-Pentanone
Concen: 10.152 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Tgt Ion: 43 Resp: 2177975
Ion Ratio Lower Upper
43 100
58 36.5 29.4 44.0





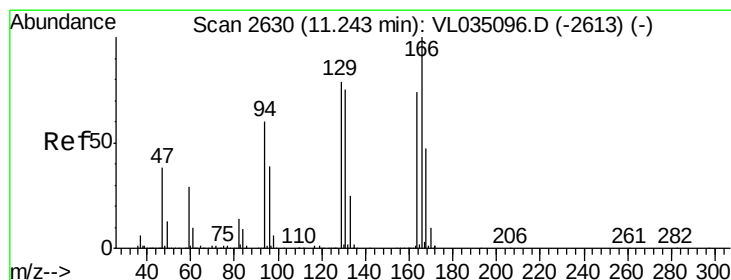
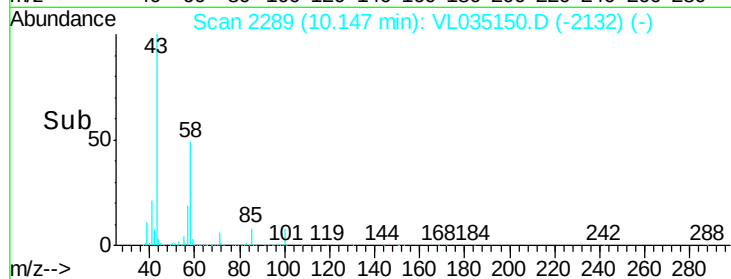
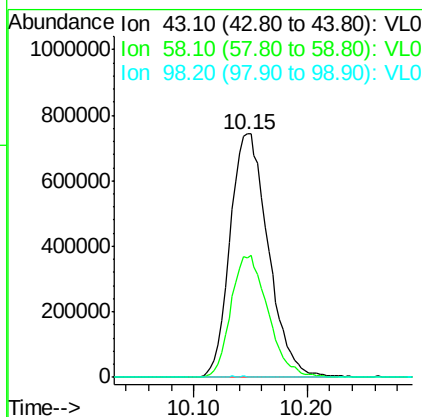
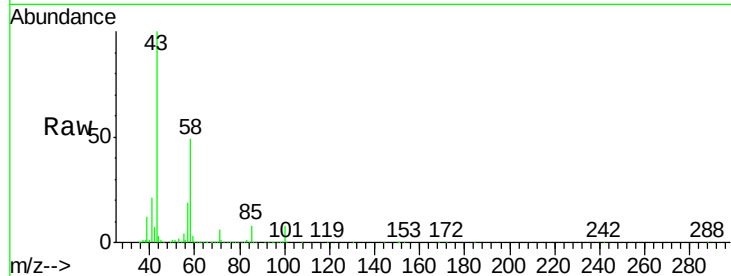
#51
2-Hexanone
Concen: 10.410 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.7	39.2	58.8
98	0.5	0.3	0.5#

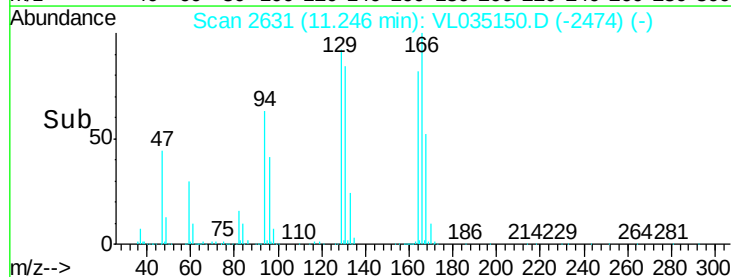
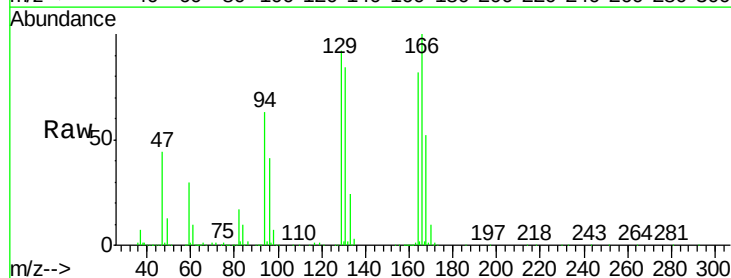
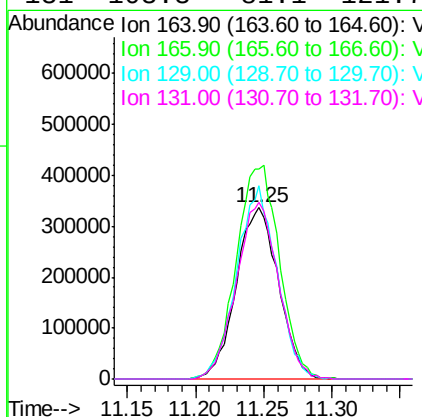
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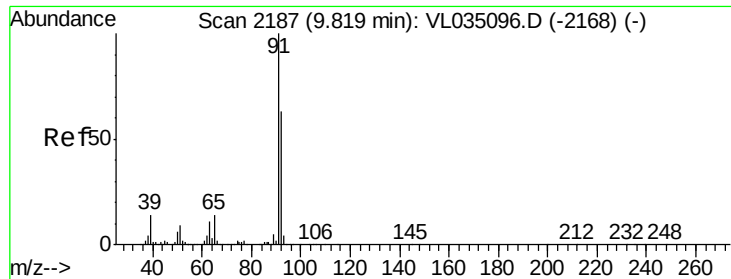
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#52
Tetrachloroethene
Concen: 10.065 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.4	107.5	161.3
129	112.9	84.9	127.3
131	103.3	81.1	121.7





#53

Toluene

Concen: 10.774 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion: 91 Resp: 2339745

Ion Ratio Lower Upper

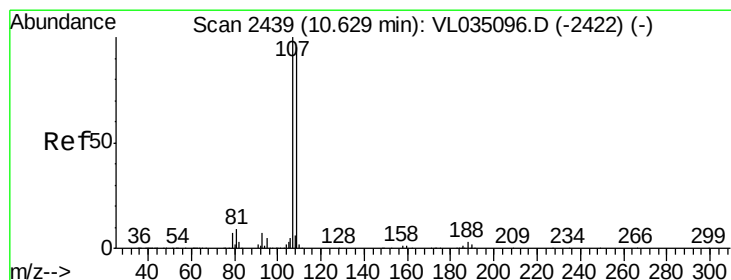
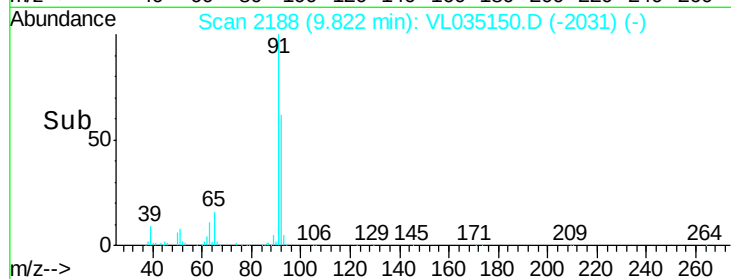
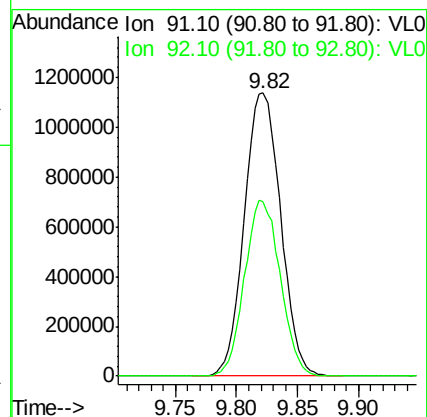
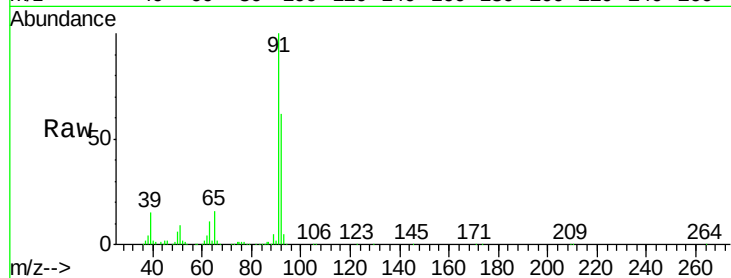
91 100

92 61.0 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 9.851 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.01 min

Lab File: VL035150.D

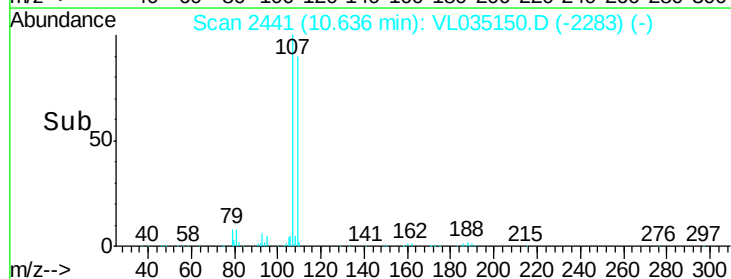
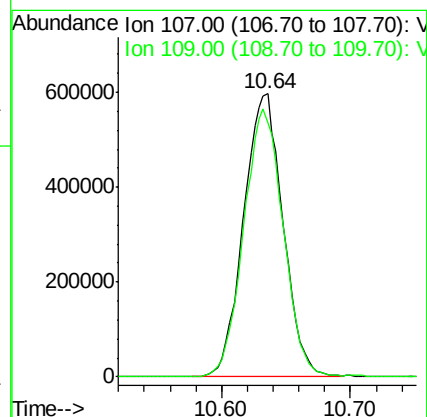
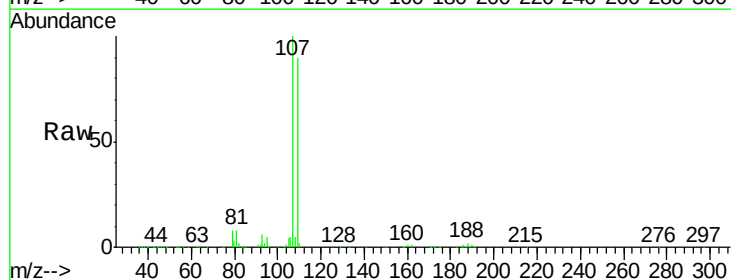
Acq: 6 Jul 2020 17:52

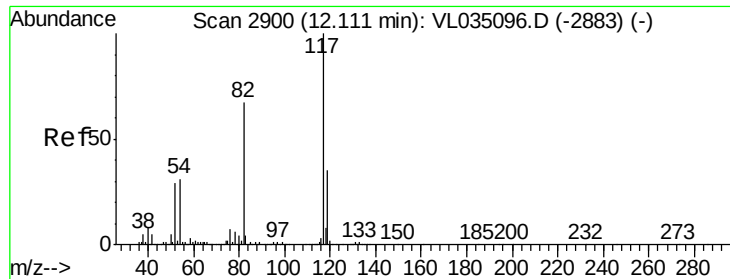
Tgt Ion: 107 Resp: 1267610

Ion Ratio Lower Upper

107 100

109 89.6 75.9 113.9





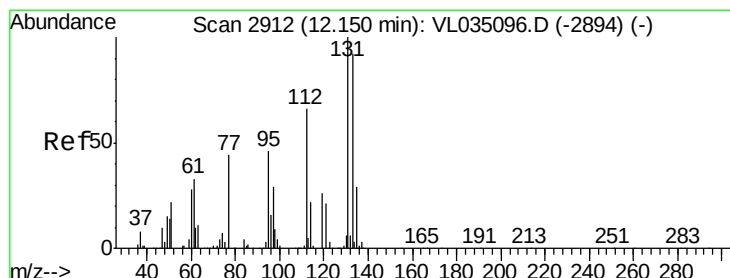
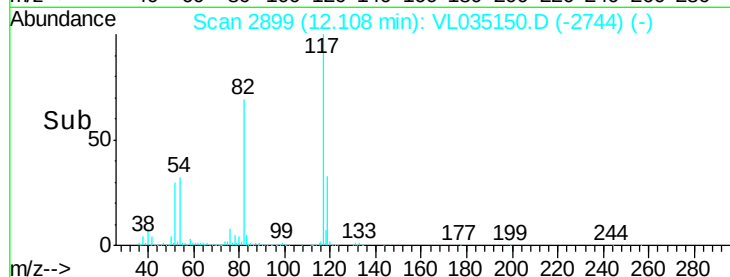
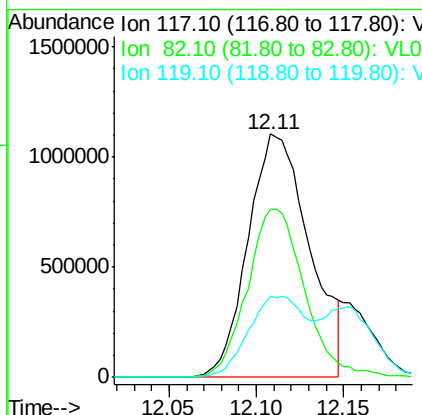
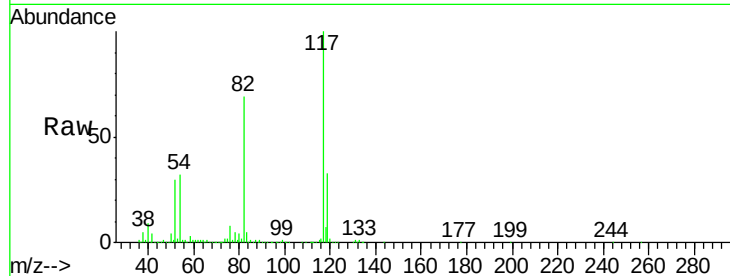
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion:117 Resp: 2695561
Ion Ratio Lower Upper
117 100
82 65.0 50.4 75.6
119 31.7 25.4 38.0

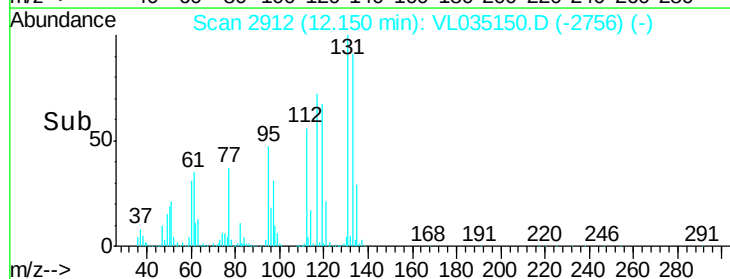
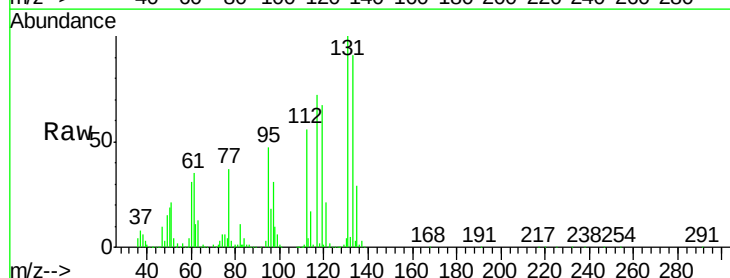
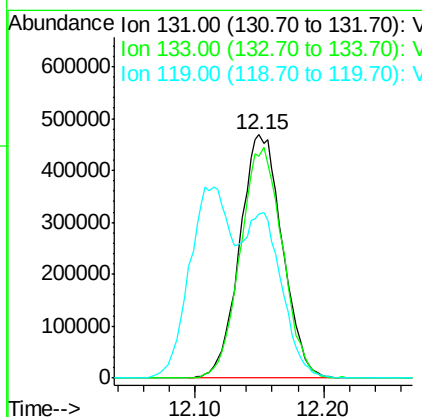
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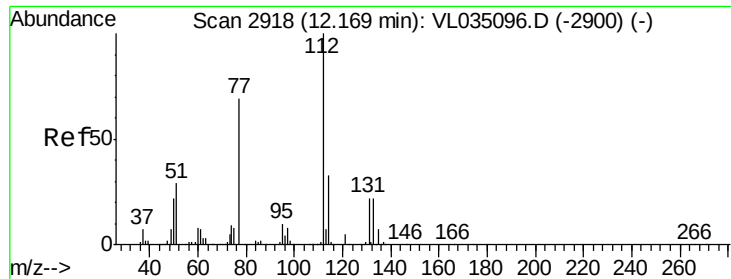
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.776 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Tgt Ion:131 Resp: 1078445
Ion Ratio Lower Upper
131 100
133 94.0 76.2 114.4
119 138.9 114.6 172.0





#57

Chlorobenzene

Concen: 8.943 ppbv

RT: 12.18 min Scan# 2920

Delta R.T. 0.01 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion:112 Resp: 1773892

Ion Ratio Lower Upper

112 100

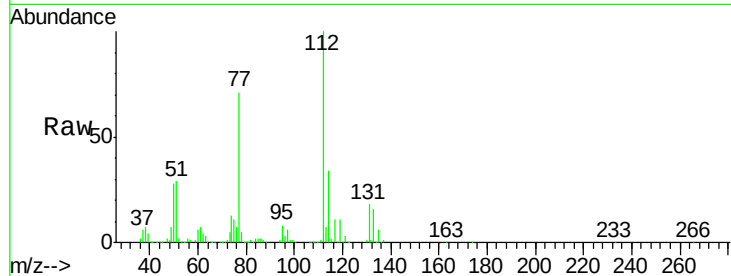
77 70.8 56.7 85.1

114 34.1 29.3 35.9

Manual Integrations
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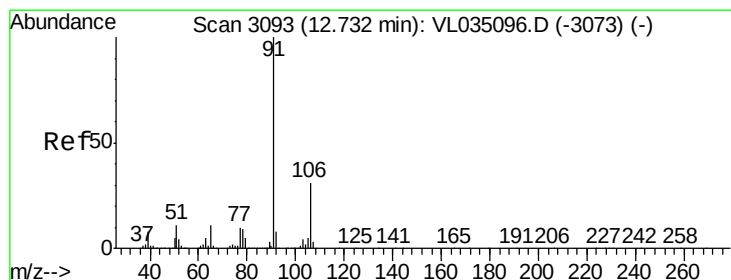
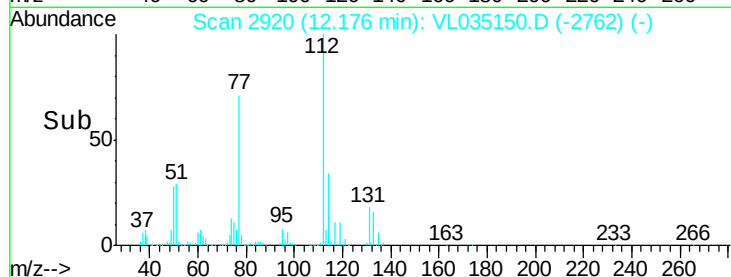
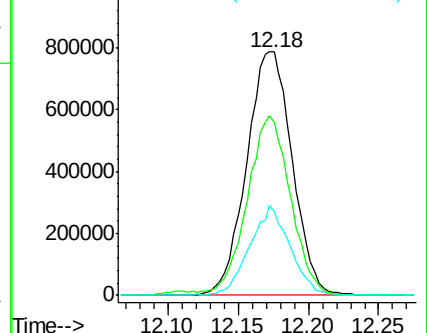
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.346 ppbv

RT: 12.74 min Scan# 3094

Delta R.T. 0.00 min

Lab File: VL035150.D

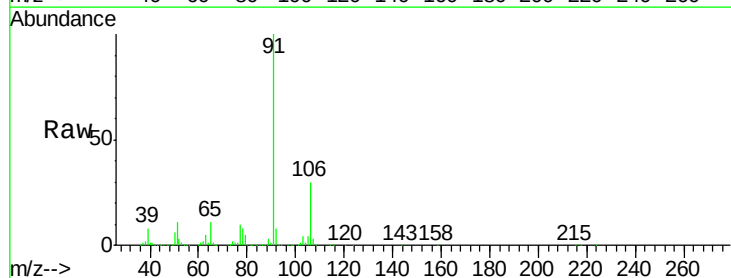
Acq: 6 Jul 2020 17:52

Tgt Ion: 91 Resp: 3133579

Ion Ratio Lower Upper

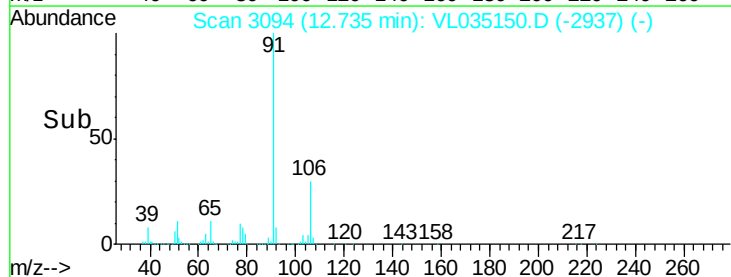
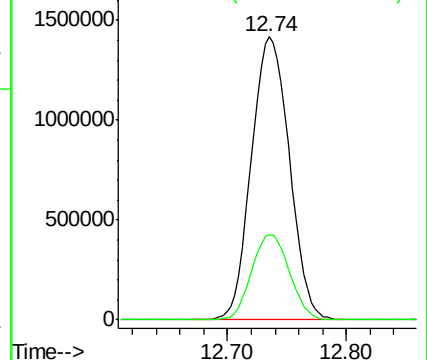
91 100

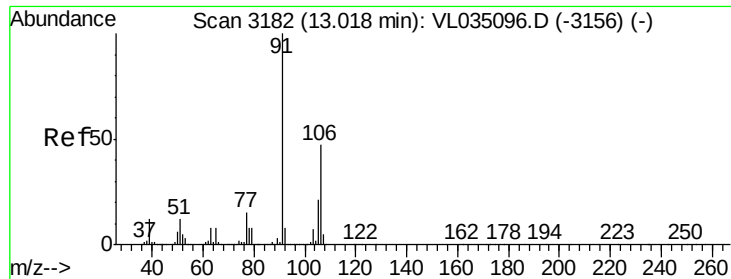
106 29.9 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





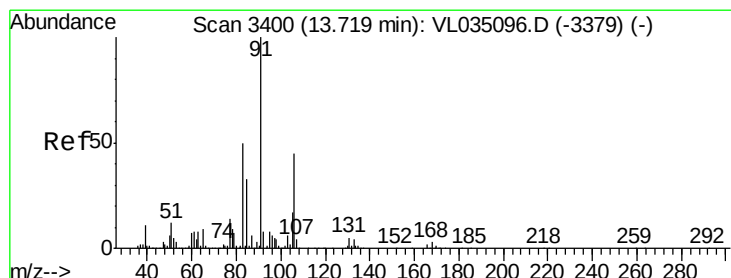
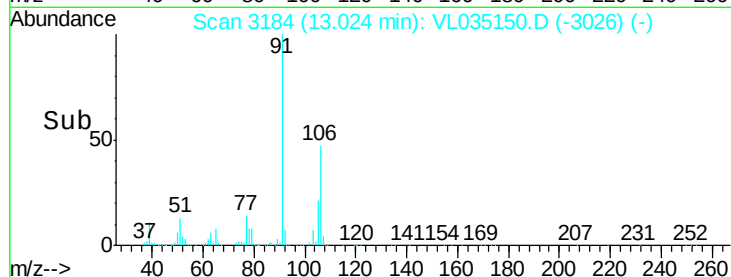
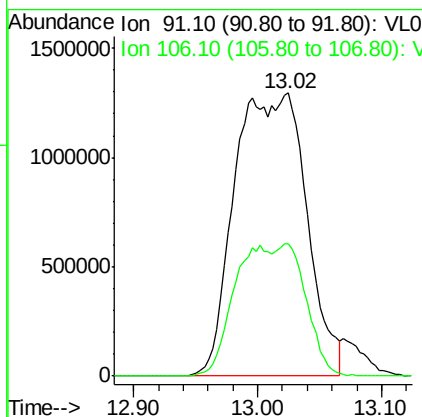
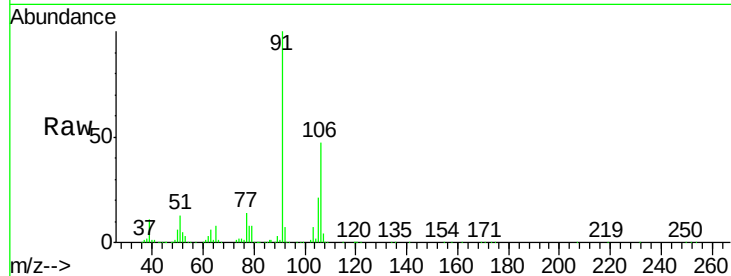
#59
m/p-Xylene
Concen: 19.385 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.01 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion: 91 Resp: 5203093
Ion Ratio Lower Upper
91 100
106 0.0 36.5 54.7#

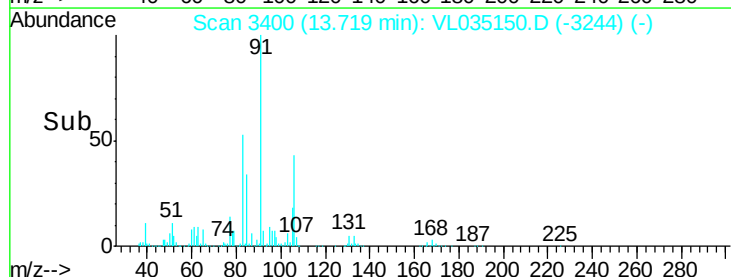
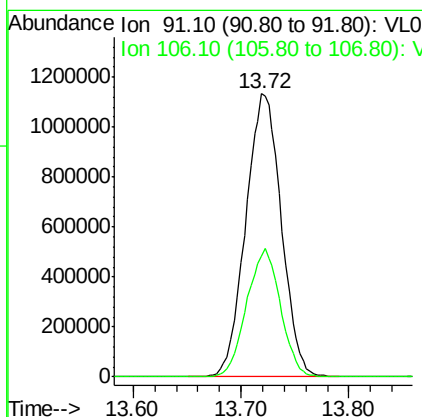
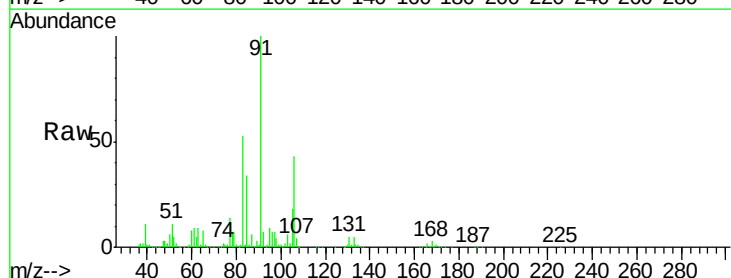
Manual Integrations
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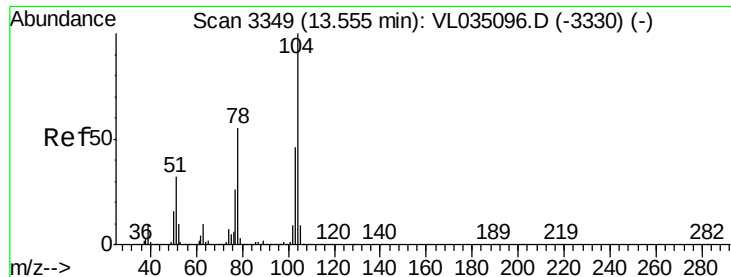
MMDadoda
7/9/2020 5:42:30 PM



#60
o-Xylene
Concen: 9.686 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Tgt Ion: 91 Resp: 2588183
Ion Ratio Lower Upper
91 100
106 43.3 22.1 66.5





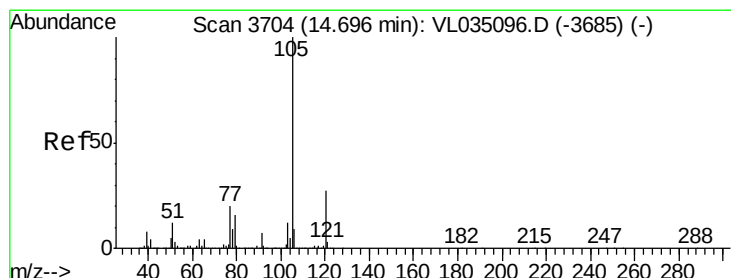
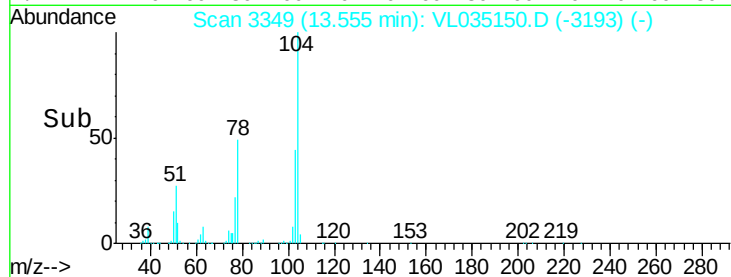
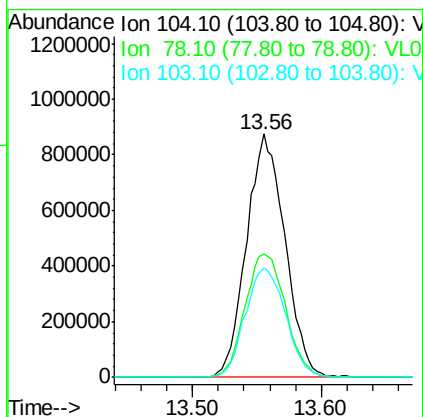
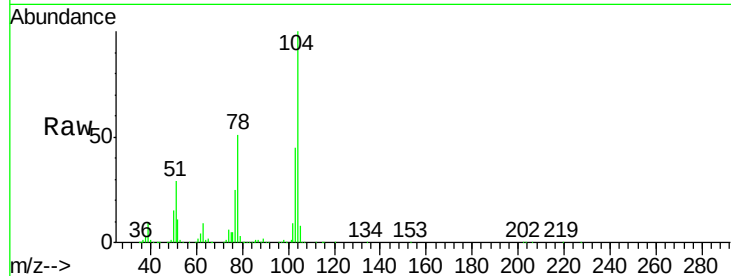
#61
Stvrene
Concen: 10.795 ppbv
RT: 13.56 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.6	43.4	65.0
103	47.4	38.3	57.5

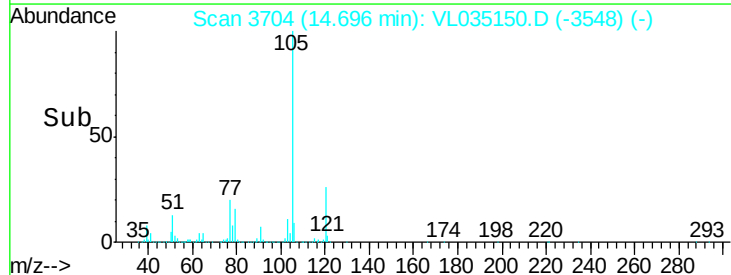
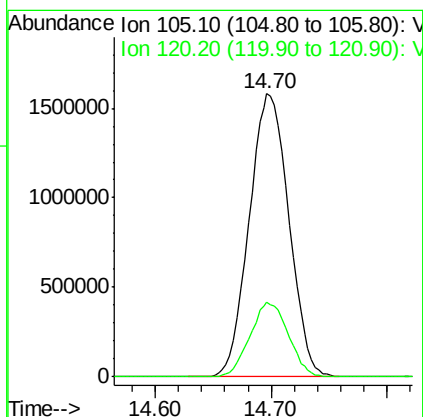
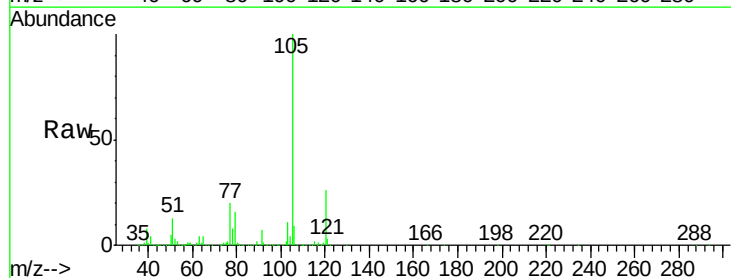
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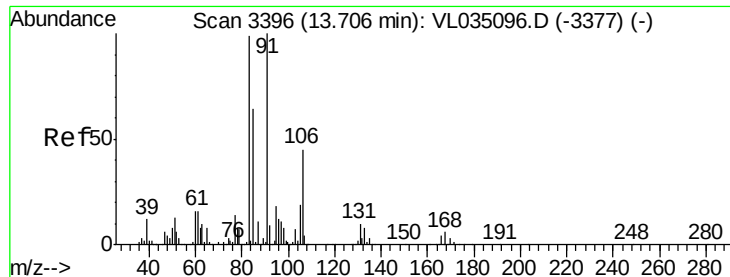
MMDadoda
7/9/2020 5:42:30 PM



#62
Isopropylbenzene
Concen: 9.421 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.8	31.2





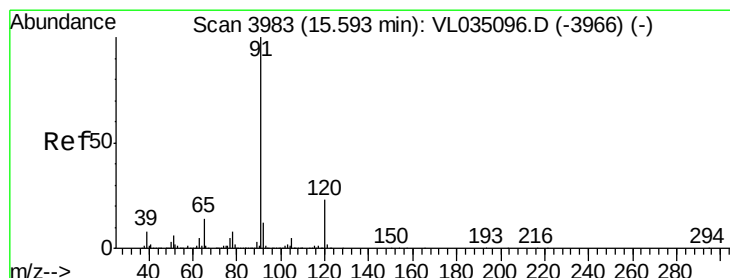
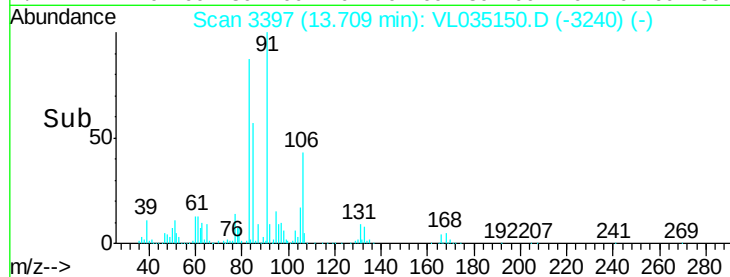
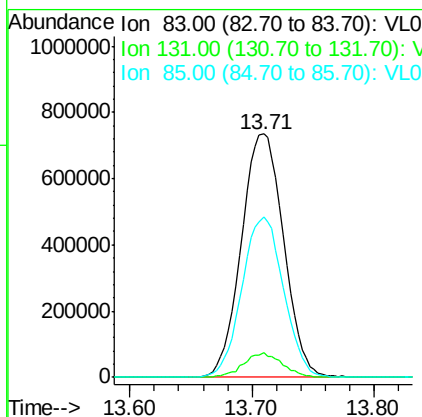
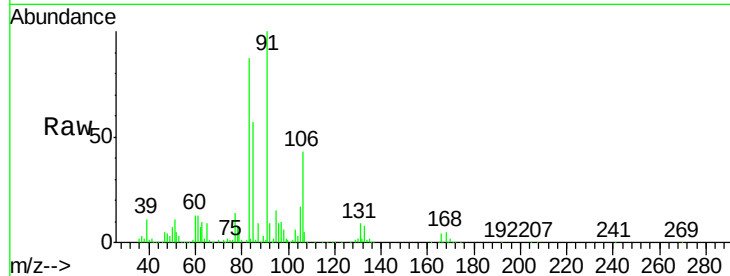
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.132 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL035150.D
 Acq: 6 Jul 2020 17:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion: 83 Resp: 1760084
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.7 14.0
 85 65.2 32.4 97.0

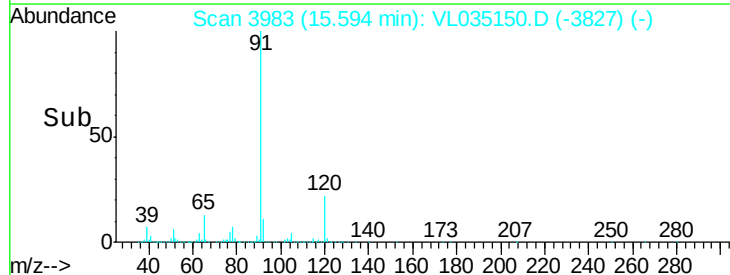
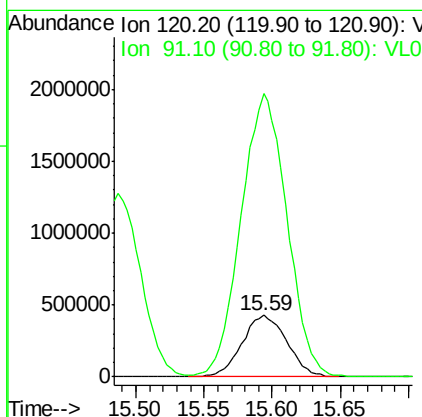
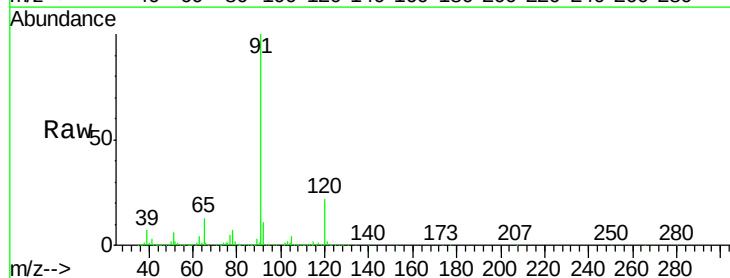
Manual Integrations
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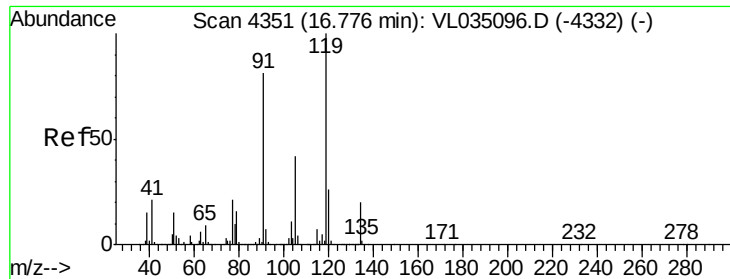
MMDadoda
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#64
 n-propylbenzene
 Concen: 9.649 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. 0.00 min
 Lab File: VL035150.D
 Acq: 6 Jul 2020 17:52

Tgt Ion: 120 Resp: 981905
 Ion Ratio Lower Upper
 120 100
 91 470.4 367.9 551.9





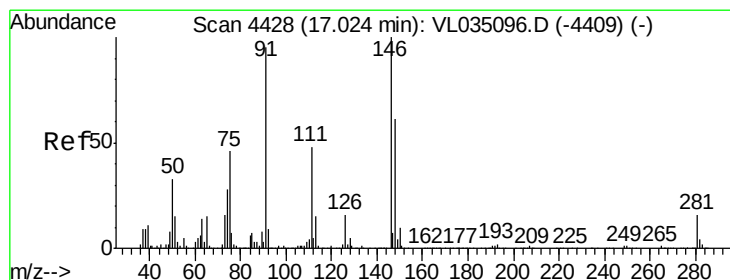
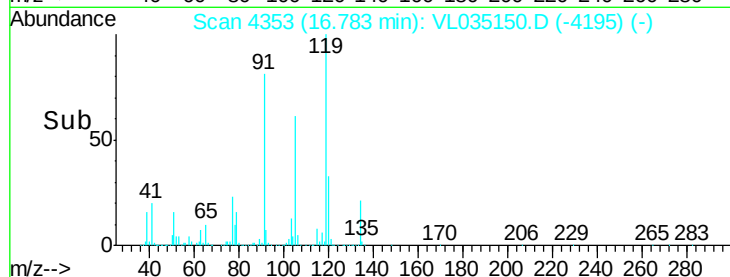
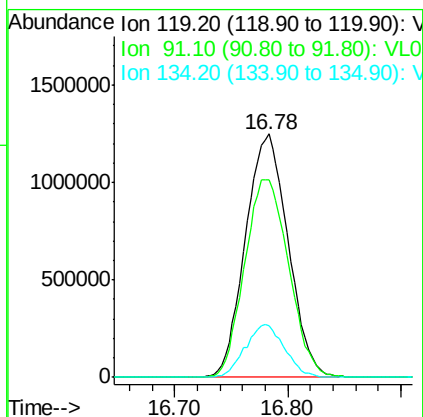
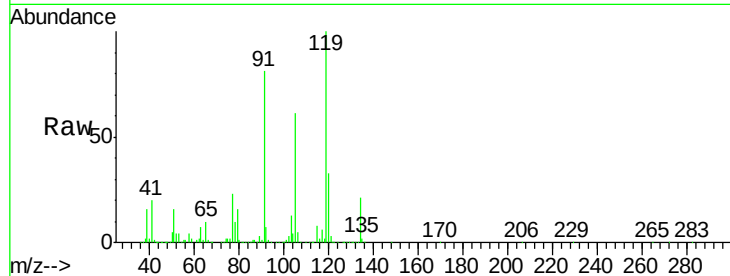
#65
tert-Butylbenzene
Concen: 9.557 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. 0.01 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
VL0706ABS01

Tot Ion:119 Resp: 3263125
Ion Ratio Lower Upper
119 100
91 84.4 67.6 101.4
134 20.0 15.7 23.5

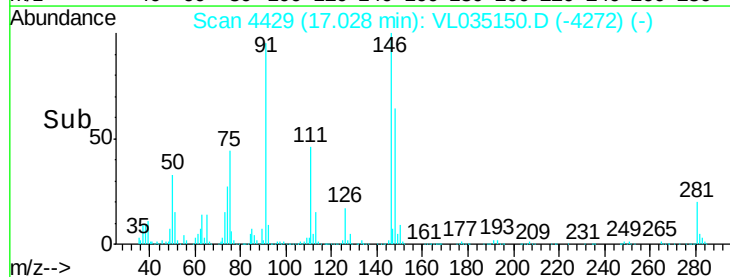
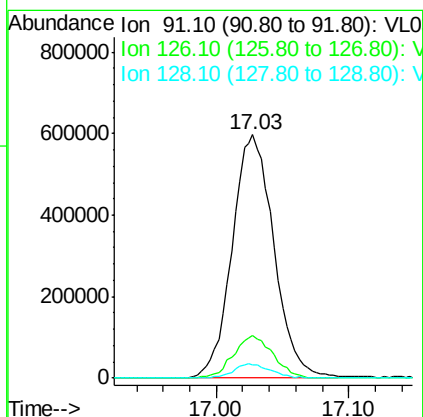
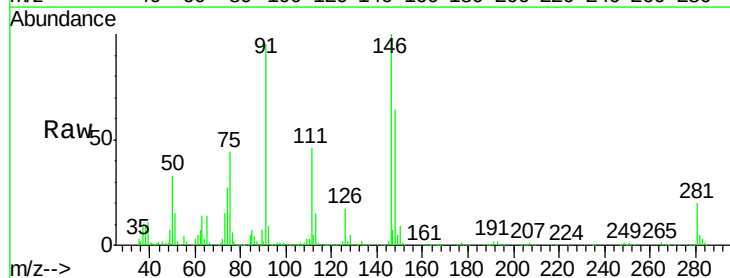
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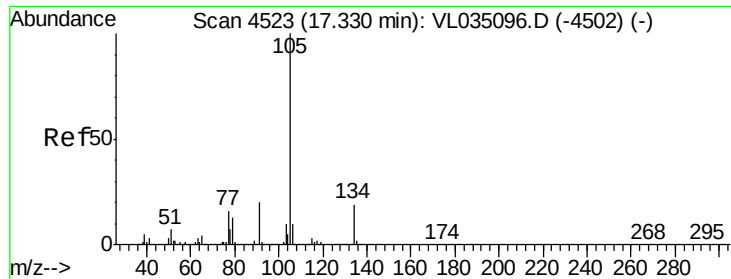
MMDadoda
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#66
Benzyl Chloride
Concen: 12.251 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. 0.00 min
Lab File: VL035150.D
Acq: 6 Jul 2020 17:52

Tgt Ion: 91 Resp: 1292156
Ion Ratio Lower Upper
91 100
126 17.0 13.5 20.3
128 5.5 4.3 6.5





#67

sec-Butylbenzene

Concen: 9.474 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion:105 Resp: 4636383

Ion Ratio Lower Upper

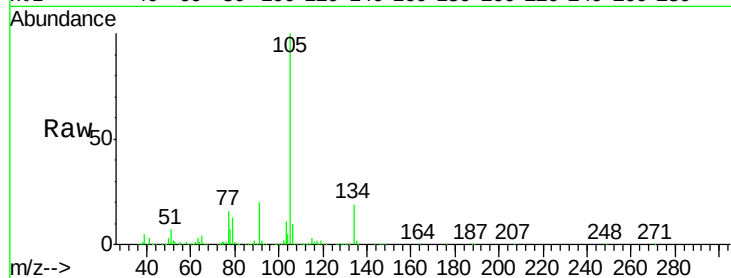
105 100

134 18.4 14.7 22.1

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.33

2000000

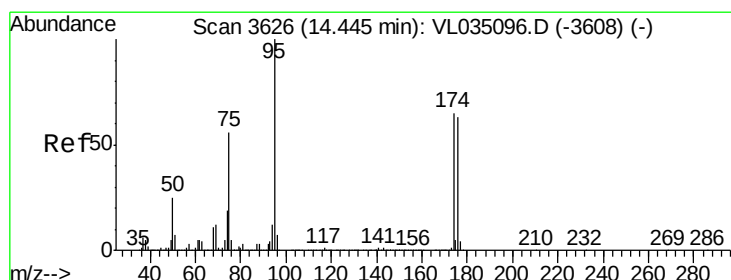
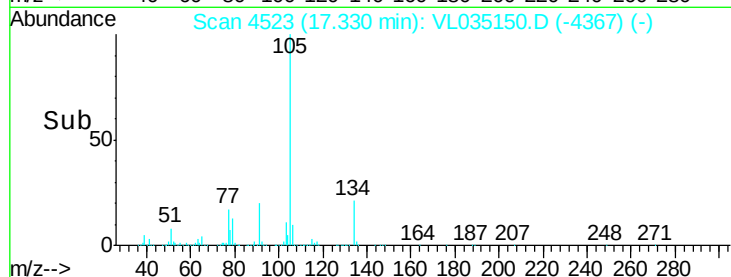
1500000

1000000

500000

0

Time--> 17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 9.544 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

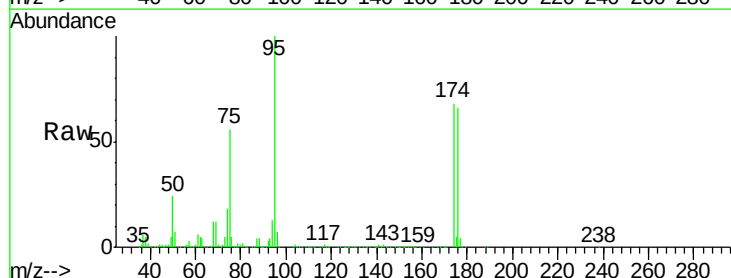
Tgt Ion: 95 Resp: 2137149

Ion Ratio Lower Upper

95 100

174 65.8 52.2 78.2

175 5.1 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

1200000

1000000

800000

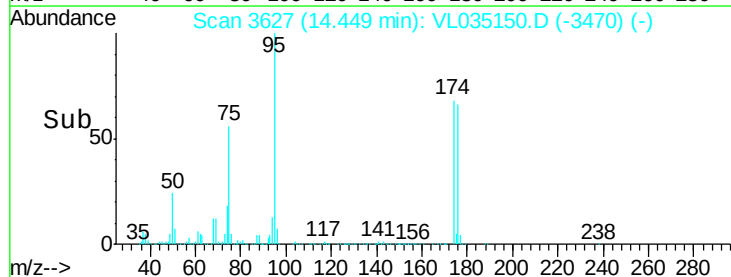
600000

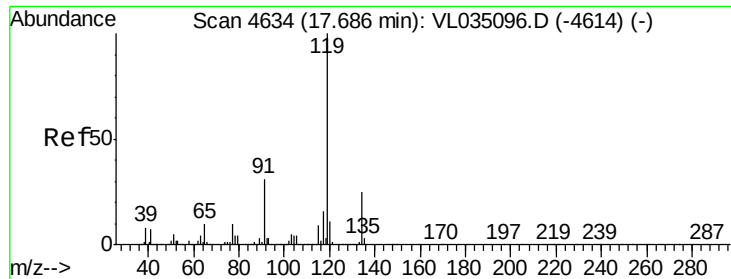
400000

200000

0

Time--> 14.40 14.45 14.50





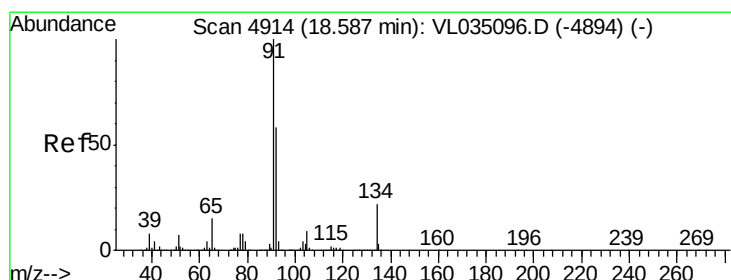
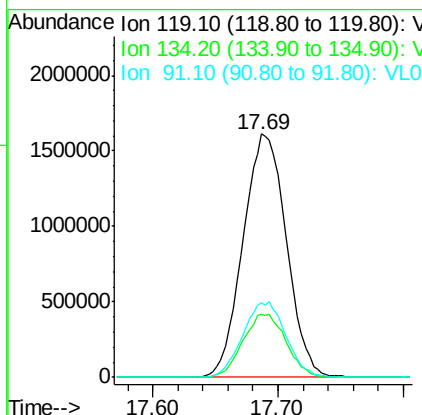
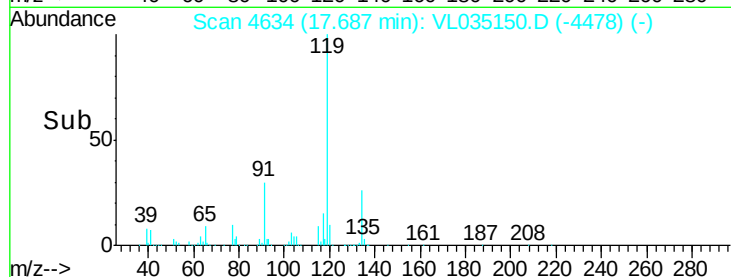
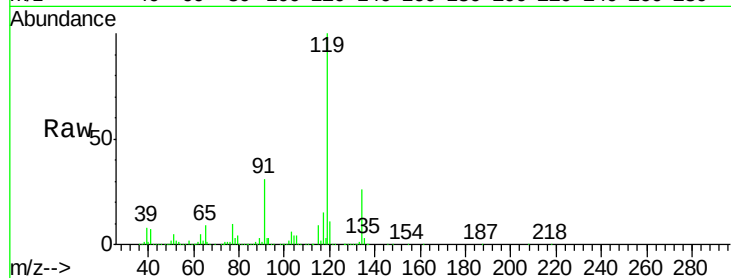
#69
 p-Isopropyltoluene
 Concen: 9.923 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. 0.00 min
 Lab File: VL035150.D
 Acq: 6 Jul 2020 17:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.4	30.6
91	31.0	24.5	36.7

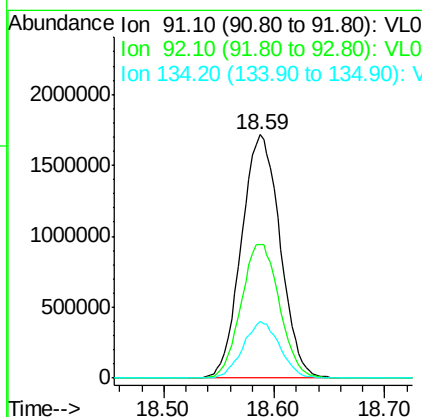
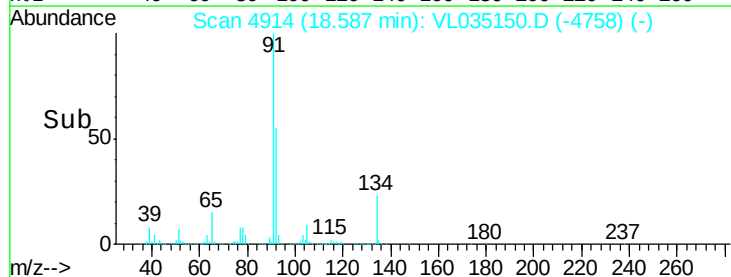
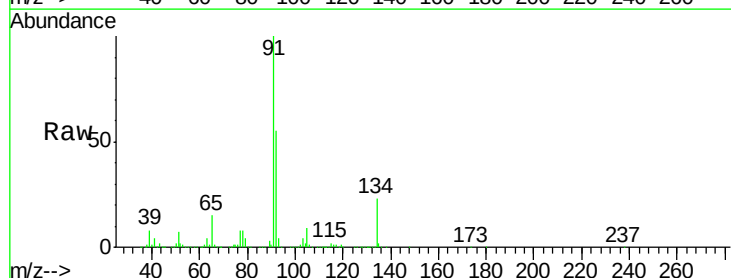
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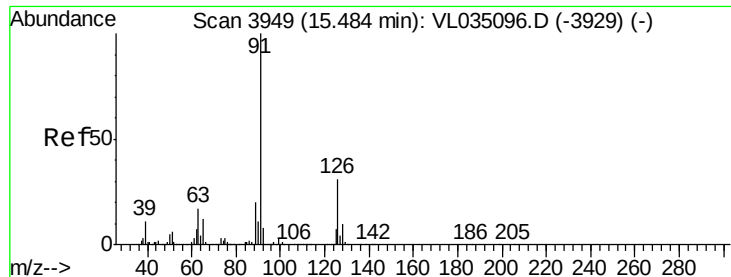
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#70
 n-Butylbenzene
 Concen: 9.917 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. 0.00 min
 Lab File: VL035150.D
 Acq: 6 Jul 2020 17:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.4	66.6
134	22.1	18.0	27.0





#71

2-Chlorotoluene

Concen: 9.639 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion: 91 Resp: 2905301

Ion Ratio Lower Upper

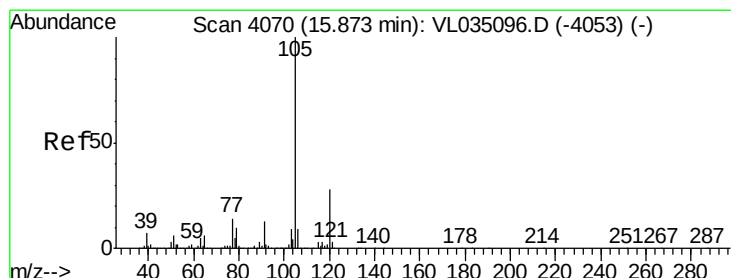
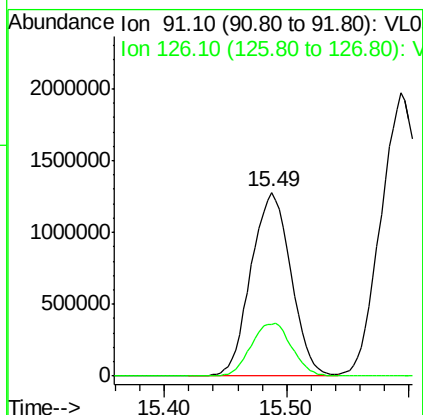
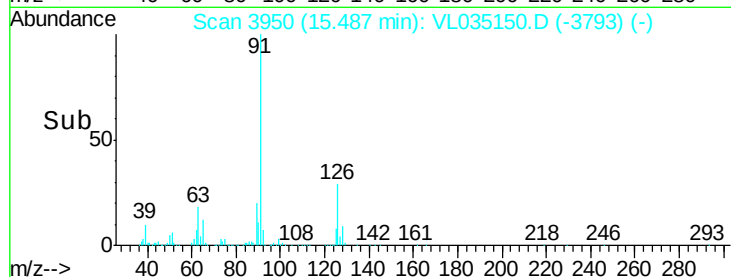
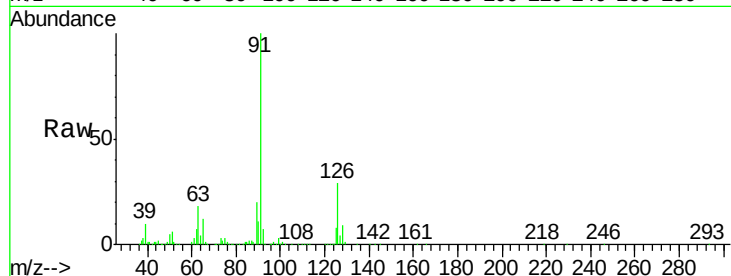
91 100

126 29.4 12.0 48.0

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#72

4-Ethyltoluene

Concen: 9.994 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Tgt Ion: 105 Resp: 2970944

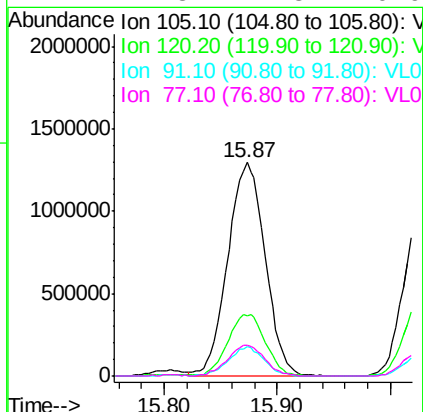
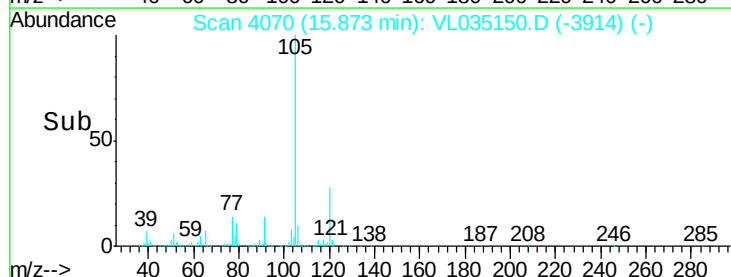
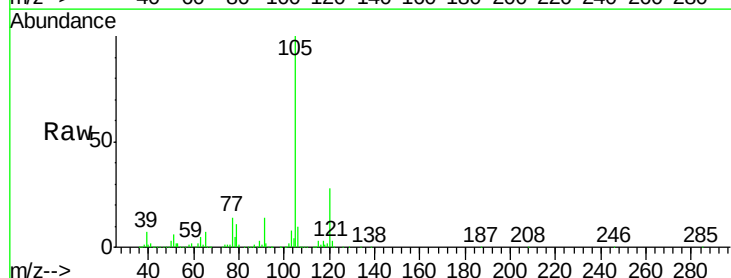
Ion Ratio Lower Upper

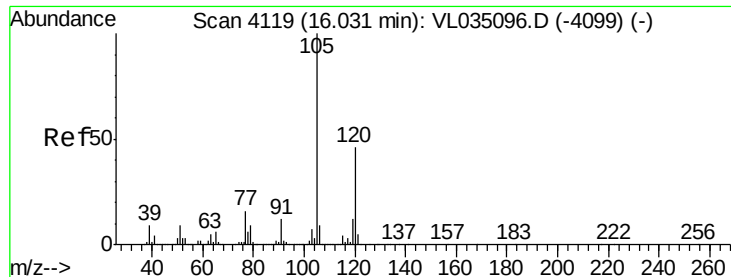
105 100

120 29.3 23.4 35.0

91 13.8 10.6 16.0

77 14.3 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 9.895 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion:105 Resp: 2780381

Ion Ratio Lower Upper

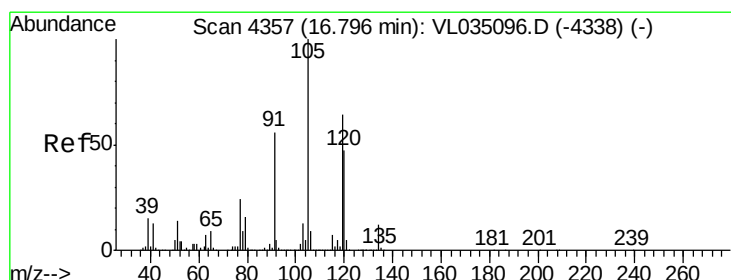
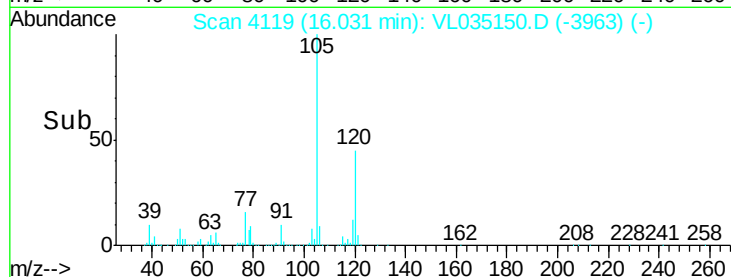
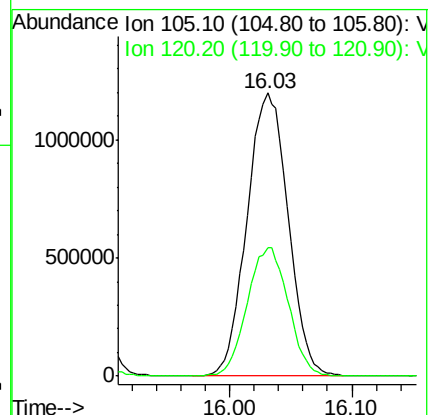
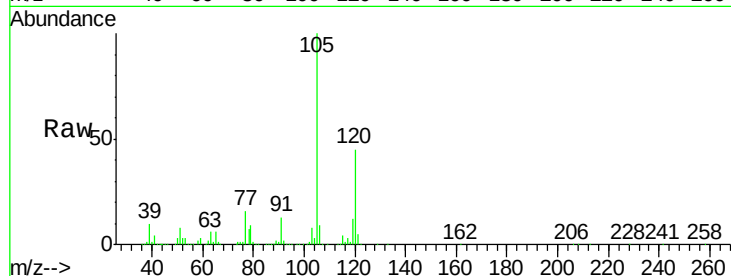
105 100

120 45.5 37.0 55.6

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#74

1,2,4-Trimethylbenzene

Concen: 9.350 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Tgt Ion:105 Resp: 2932478

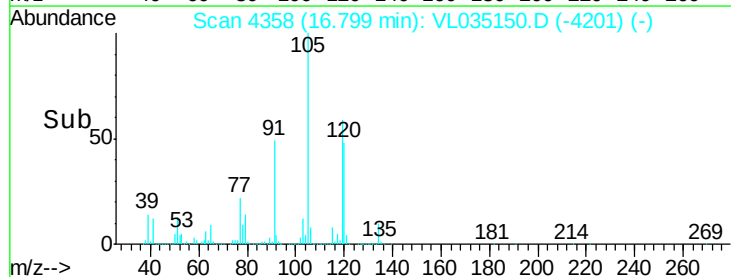
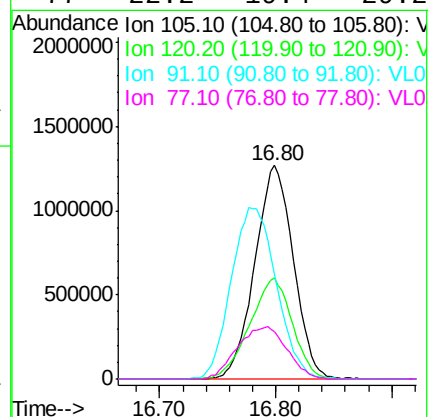
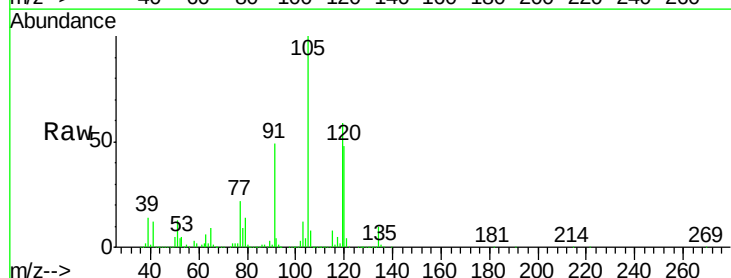
Ion Ratio Lower Upper

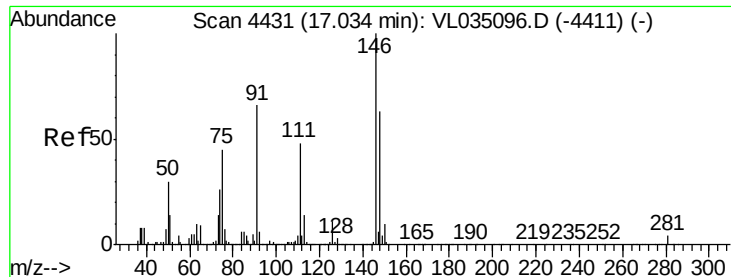
105 100

120 47.6 37.9 56.9

91 49.0 46.0 69.0

77 22.2 19.4 29.2





#75

1,3-Dichlorobenzene

Concen: 9.029 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion:146 Resp: 1689781

Ion Ratio Lower Upper

146 100

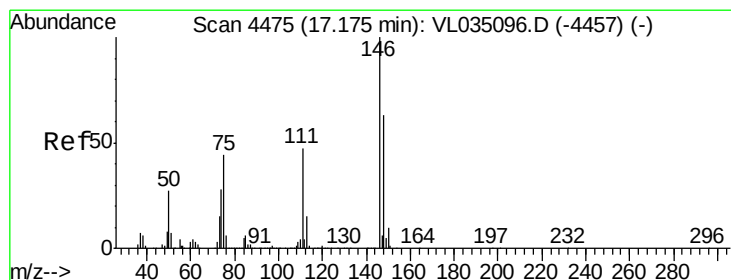
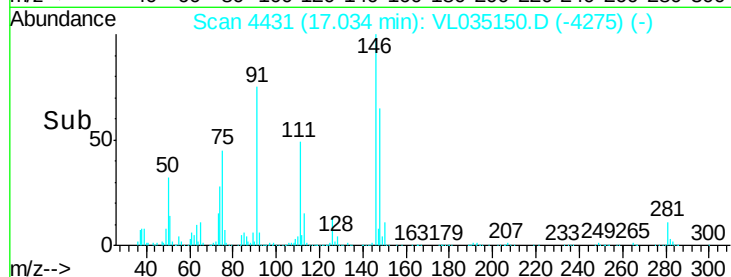
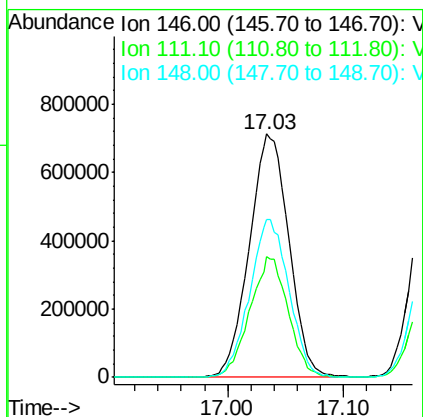
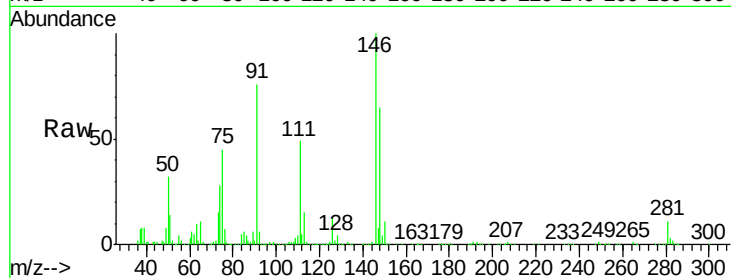
111 48.1 24.1 72.4

148 64.4 32.3 96.8

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#76

1,4-Dichlorobenzene

Concen: 9.532 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

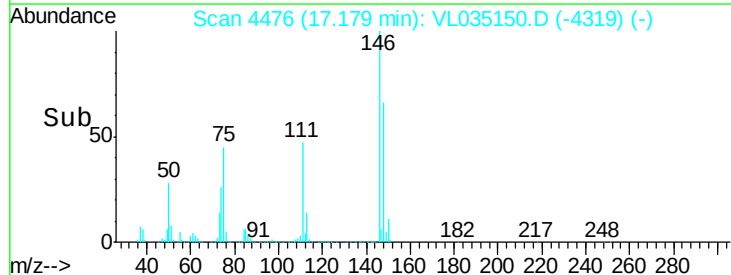
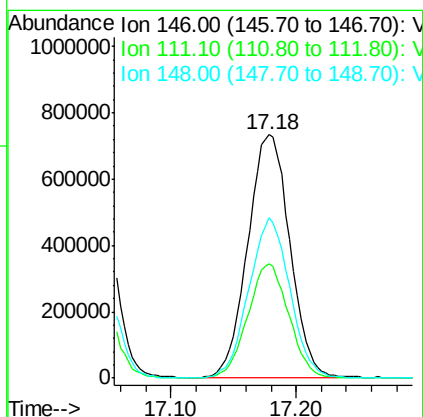
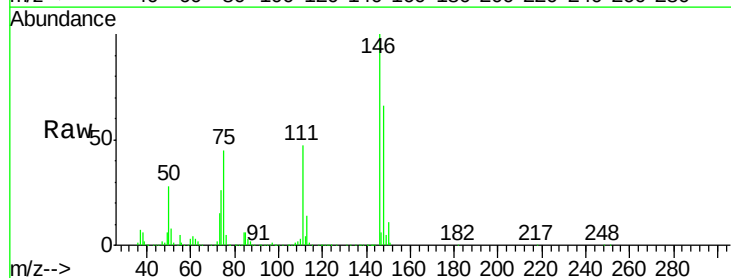
Tgt Ion:146 Resp: 1706570

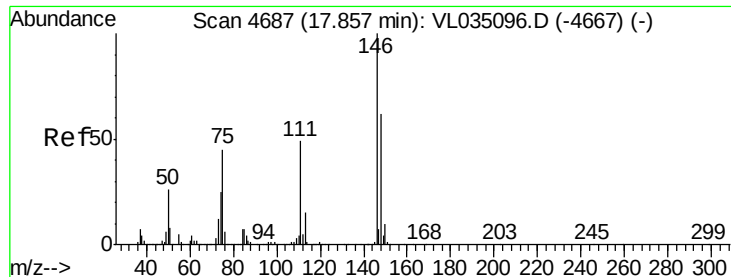
Ion Ratio Lower Upper

146 100

111 46.3 23.5 70.5

148 64.7 32.0 96.2





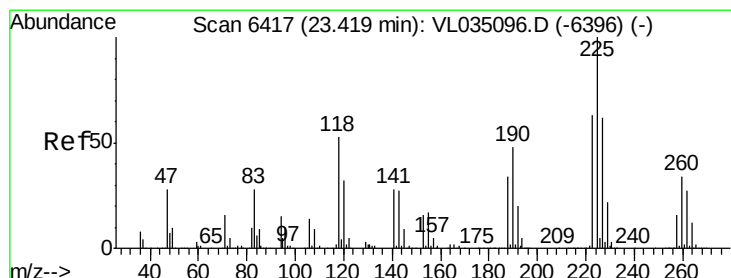
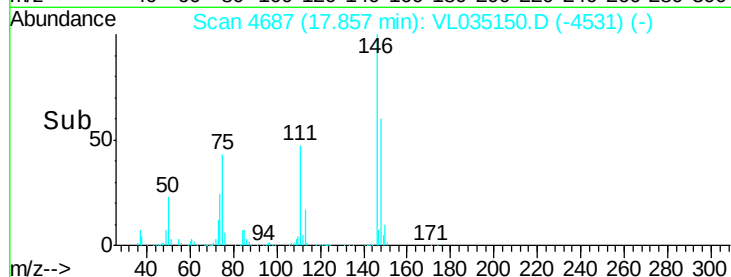
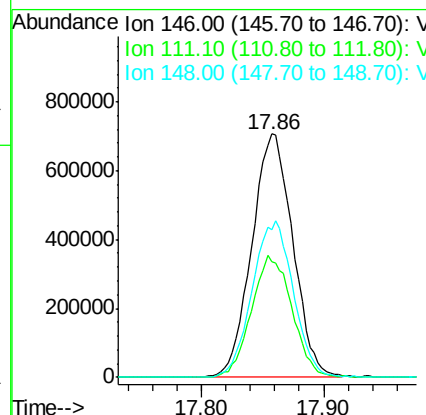
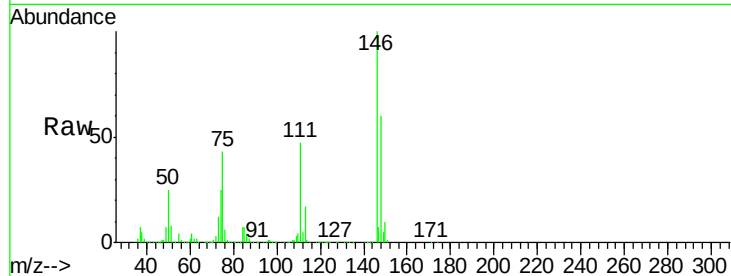
#77
 1,2-Dichlorobenzene
 Concen: 9.594 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. 0.00 min
 Lab File: VL035150.D
 Acq: 6 Jul 2020 17:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Tot Ion:146 Resp: 1642965
 Ion Ratio Lower Upper
 146 100
 111 49.4 25.0 75.0
 148 64.6 32.3 96.8

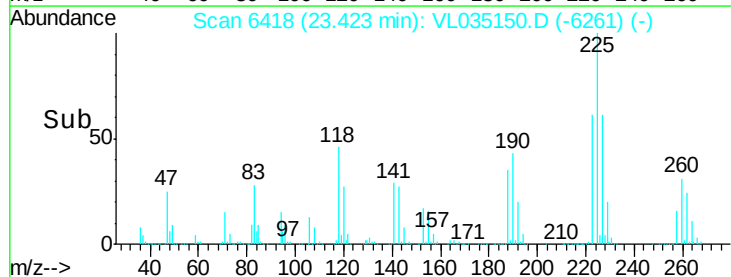
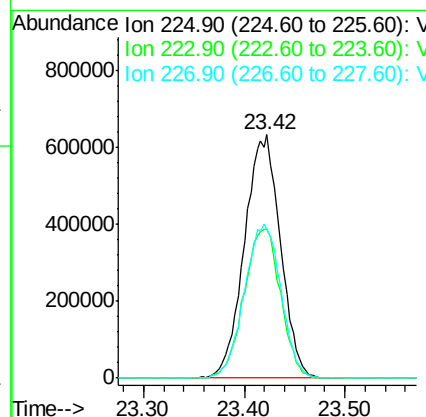
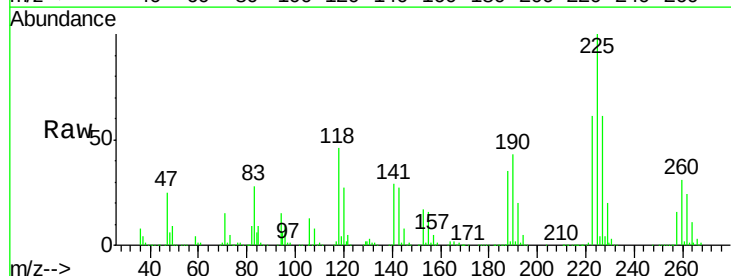
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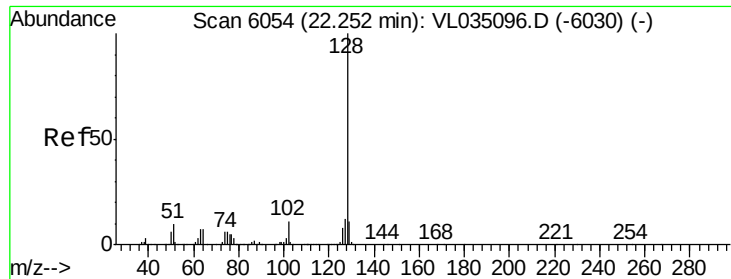
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#78
 Hexachloro-1,3-Butadiene
 Concen: 10.157 ppbv m
 RT: 23.42 min Scan# 6418
 Delta R.T. 0.00 min
 Lab File: VL035150.D
 Acq: 6 Jul 2020 17:52

Tgt Ion:225 Resp: 1563487
 Ion Ratio Lower Upper
 225 100
 223 0.0 51.4 77.0#
 227 0.0 51.8 77.8#





#79

Naphthalene

Concen: 12.805 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion:128 Resp: 3520770

Ion Ratio Lower Upper

128 100

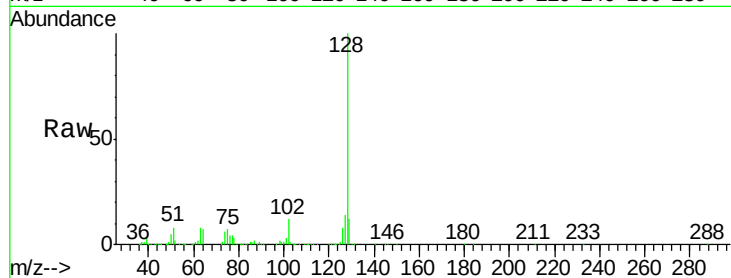
127 13.5 9.9 14.9

129 11.8 9.0 13.4

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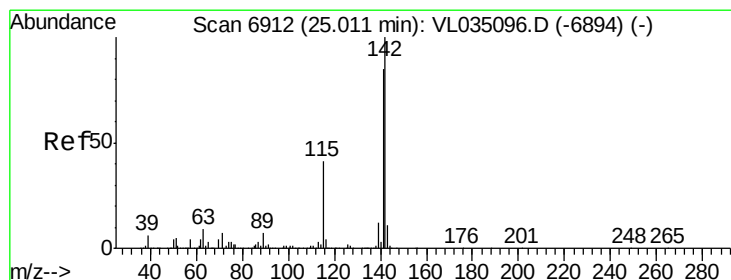
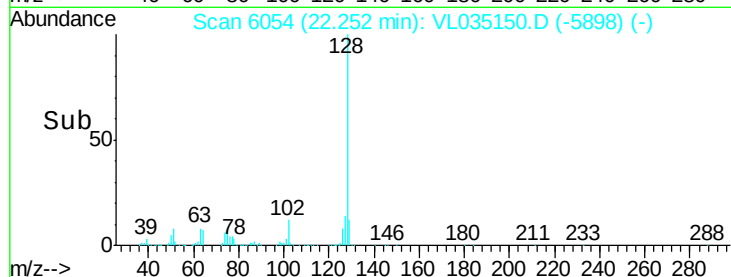
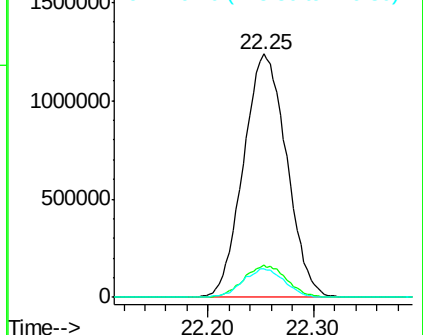
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.451 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

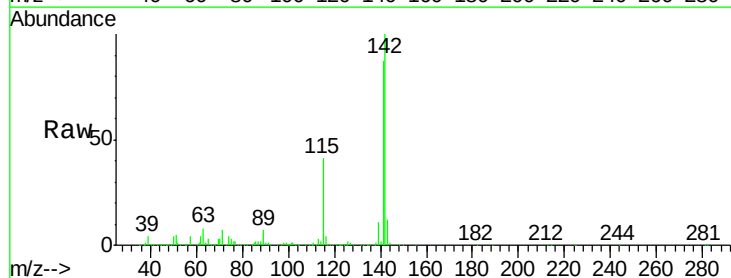
Tgt Ion:142 Resp: 1308985

Ion Ratio Lower Upper

142 100

141 84.5 67.5 101.3

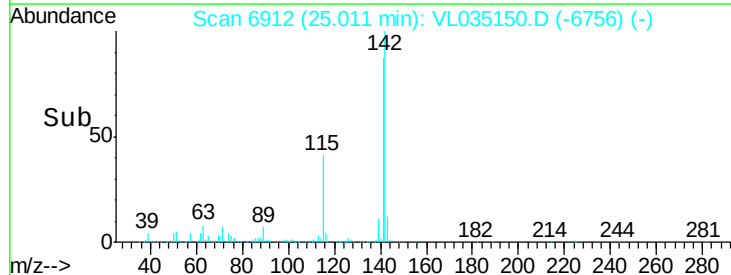
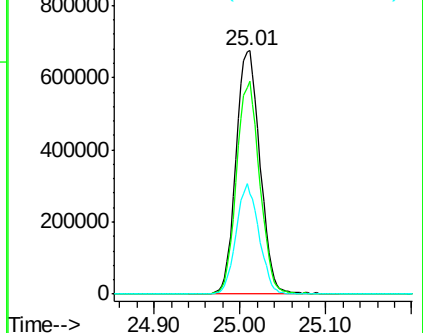
115 43.2 33.8 50.8

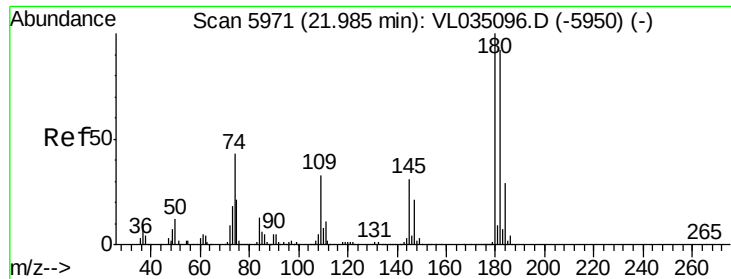


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 11.788 ppbv

RT: 21.99 min Scan# 5971

Delta R.T. 0.00 min

Lab File: VL035150.D

Acq: 6 Jul 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

VL0706ABS01

Tot Ion:180 Resp: 1869782

Ion Ratio Lower Upper

180 100

182 95.4 77.9 116.9

184 30.5 24.6 37.0

Manual Integrations
APPROVED

MMDadoda

7/9/2020 5:42:30 PM

