

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035713.D
 Acq On : 23 Sep 2020 10:25
 Operator : SY/AP
 Sample : VL0923ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0923ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:35:29 PM

Quant Time: Sep 24 08:36:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1203372	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4617624	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4664184m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3510012	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1890987	9.577	ppbv	99
3) Chlorodifluoromethane	2.99	51	1239688	9.576	ppbv	99
4) Chloromethane	3.14	50	670386	9.640	ppbv	97
5) Vinyl Chloride	3.26	62	801999	9.750	ppbv	100
6) Bromomethane	3.47	94	670503	9.643	ppbv	99
7) Chloroethane	3.56	64	293478	9.728	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	2231956	9.320	ppbv	100
9) Propene	3.01	41	475284	10.111	ppbv	100
10) Heptane	8.14	43	1394843	10.644	ppbv	99
11) Trichlorofluoromethane	3.95	101	2629166	9.332	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1984472	9.449	ppbv	100
13) Ethanol	3.61	45	108210	9.335	ppbv	97
14) Bromoethene	3.74	108	880157	9.949	ppbv	100
15) Acetone	3.85	43	1065714	8.230	ppbv	100
16) 1,3-Butadiene	3.32	39	498422	10.522	ppbv	99
17) tert-Butyl alcohol	4.30	59	1560425	11.063	ppbv	100
18) 1,1-Dichloroethene	4.29	96	918755	9.992	ppbv	99
19) Isopropyl Alcohol	3.97	45	775021	11.003	ppbv	99
20) Methylene Chloride	4.35	84	759032	7.980	ppbv	97
21) Allyl Chloride	4.41	41	652732	10.400	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	965639	9.940	ppbv	98
23) Vinyl Acetate	5.08	43	1711560	10.792	ppbv	100
24) 1,1-Dichloroethane	5.02	63	1665410	9.641	ppbv	100
25) Ethyl Acetate	5.68	43	2264728	9.720	ppbv	100
26) Hexane	5.70	57	1268340	9.934	ppbv	100
27) Carbon Disulfide	4.55	76	2031614	10.676	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	2170782	10.726	ppbv	99
29) Chloroform	5.76	83	2496391	9.628	ppbv	100
30) Cyclohexane	7.14	84	1376508	10.927	ppbv	100
31) cis-1,2-Dichloroethene	5.56	61	1336452	10.843	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	2415047	10.566	ppbv	100
34) 2-Butanone	5.25	43	1545852	10.121	ppbv	100
35) Carbon Tetrachloride	7.03	117	2490155	10.343	ppbv	99
36) Benzene	6.91	78	3142351	10.444	ppbv	100
37) 1,2-Dichloroethane	6.32	62	1543203	9.841	ppbv	100
38) Trichloroethene	7.85	130	1576141	10.501	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1096031	10.050	ppbv	99
40) 1,4-Dioxane	7.84	88	532235	10.671	ppbv	98
41) Tetrahydrofuran	6.06	42	872004	11.333	ppbv	100
42) Bromodichloromethane	7.81	83	2597149	10.281	ppbv	100
43) Methyl Methacrylate	8.03	69	1332472	11.135	ppbv	99

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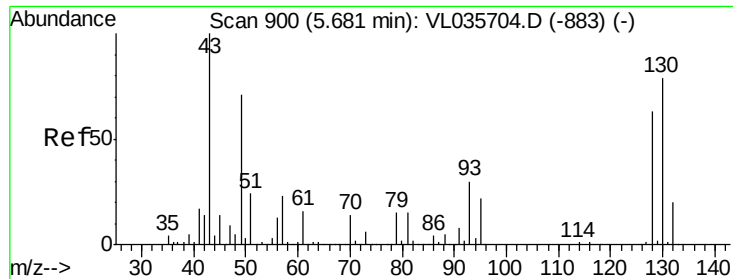
Manual Integrations
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Quant Time: Sep 24 08:36:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4286333	9.928	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1479244	12.244	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1782689	11.970	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1532196	9.809	ppbv	99
48) Dibromochloromethane	10.33	129	2559002	10.764	ppbv	100
49) Bromoform	13.07	173	2267145	11.239	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2310466	10.357	ppbv	100
51) 2-Hexanone	10.15	43	1930614	10.742	ppbv	100
52) Tetrachloroethene	11.25	164	1463766	10.116	ppbv	100
53) Toluene	9.83	91	3936546	11.095	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2386872	10.204	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1984057	10.145	ppbv	96
57) Chlorobenzene	12.17	112	3312853	9.404	ppbv	99
58) Ethyl Benzene	12.74	91	5097421	10.889	ppbv	98
59) m/p-Xylene	13.02	91	8372612m	20.480	ppbv	
60) o-Xylene	13.72	91	4273688	10.334	ppbv	100
61) Styrene	13.55	104	3333775	11.658	ppbv	100
62) Isopropylbenzene	14.70	105	6407131	9.988	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3112173	9.177	ppbv	100
64) n-propylbenzene	15.59	120	1964579	10.464	ppbv	99
65) tert-Butylbenzene	16.78	119	5873818	10.072	ppbv	100
66) Benzyl Chloride	17.02	91	2101894	11.895	ppbv	99
67) sec-Butylbenzene	17.33	105	7869911	9.772	ppbv	100
69) p-Isopropyltoluene	17.69	119	6611181	10.090	ppbv	99
70) n-Butylbenzene	18.58	91	6566713	9.733	ppbv	100
71) 2-Chlorotoluene	15.48	91	4899093	10.471	ppbv	100
72) 4-Ethyltoluene	15.87	105	5214369	10.644	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	4835540	10.445	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	5035381	9.649	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	3328466	9.342	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	3311473	9.723	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	3243065	9.637	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	1738311	9.362	ppbv	100
79) Naphthalene	22.24	128	4843823	9.731	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1266152	10.784	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	2513290	9.743	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.00 min

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Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tot Ion: 49 Resp: 1203372

Ion Ratio Lower Upper

49 100

128 85.1 43.1 129.4

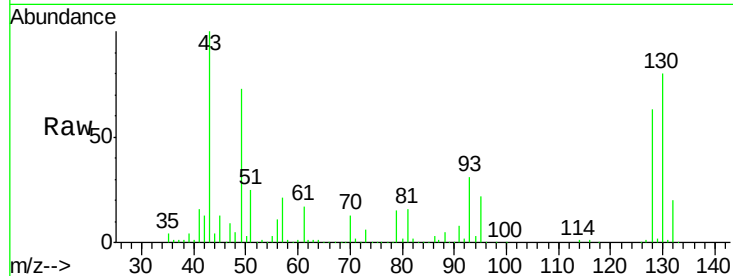
130 108.5 54.9 164.7

Manual Integrations

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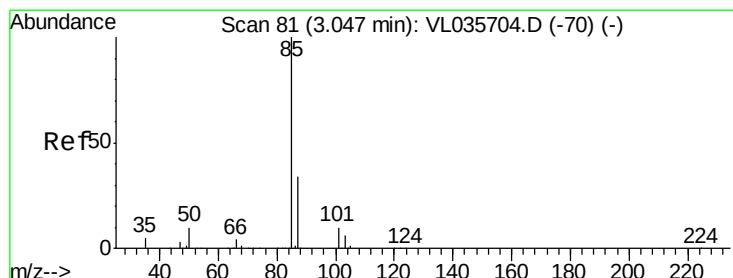
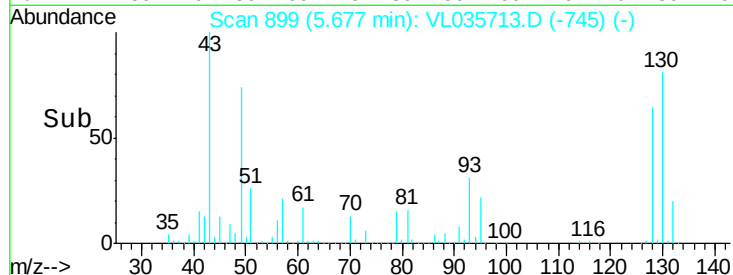
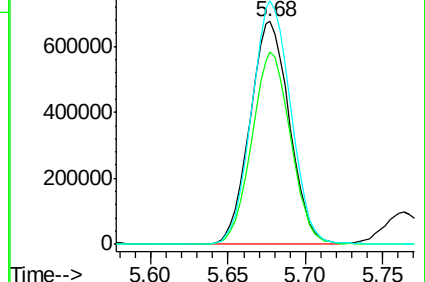
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.577 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL035713.D

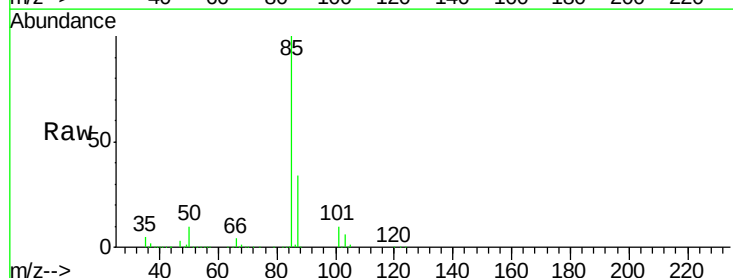
Acq: 23 Sep 2020 10:25

Tgt Ion: 85 Resp: 1890987

Ion Ratio Lower Upper

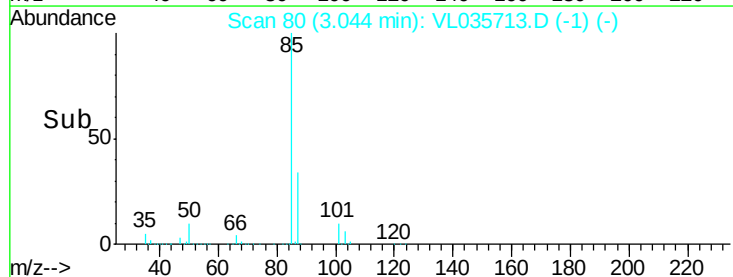
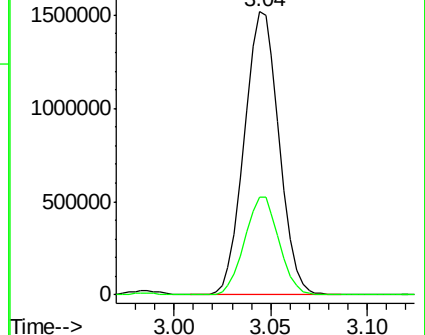
85 100

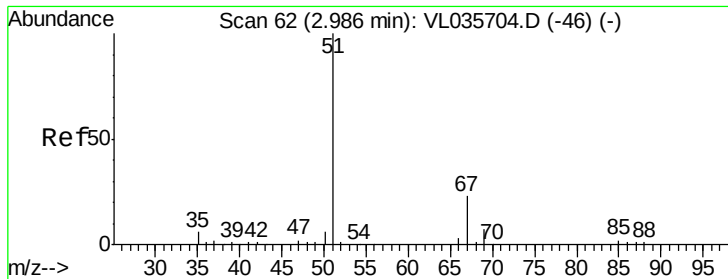
87 34.5 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.576 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Tot Ion: 51 Resp: 1239688

Ion Ratio Lower Upper

51 100

67 21.7 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

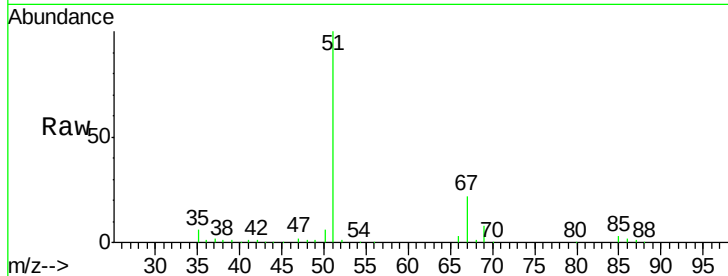
VL0923ABS01

Manual Integrations

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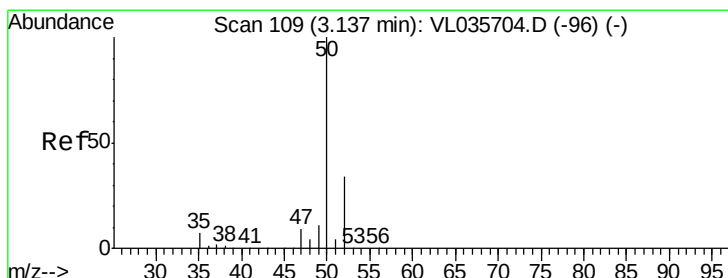
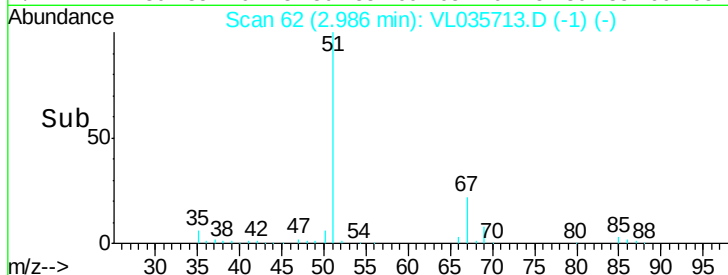
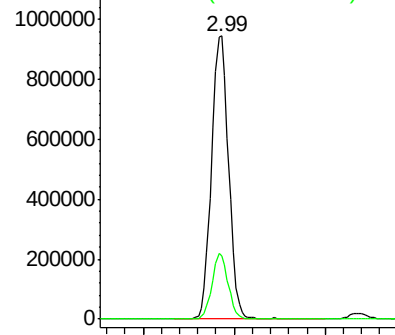
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.640 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL035713.D

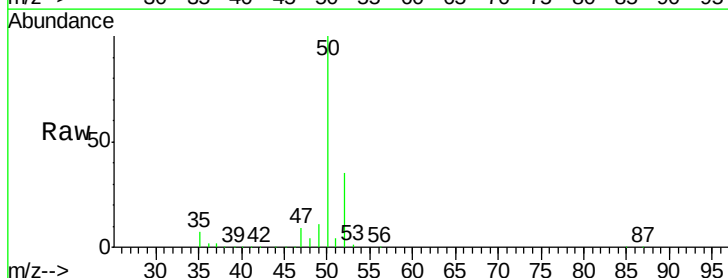
Acq: 23 Sep 2020 10:25

Tgt Ion: 50 Resp: 670386

Ion Ratio Lower Upper

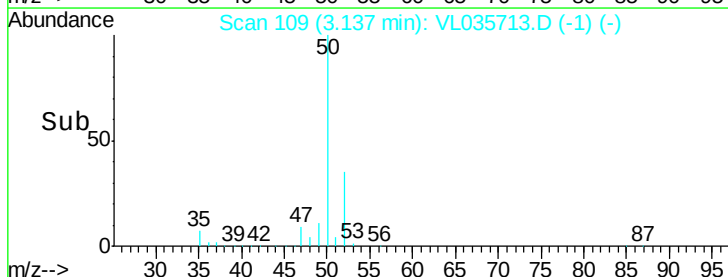
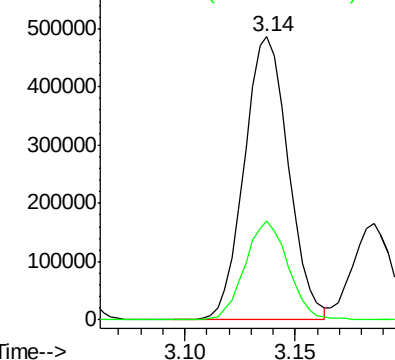
50 100

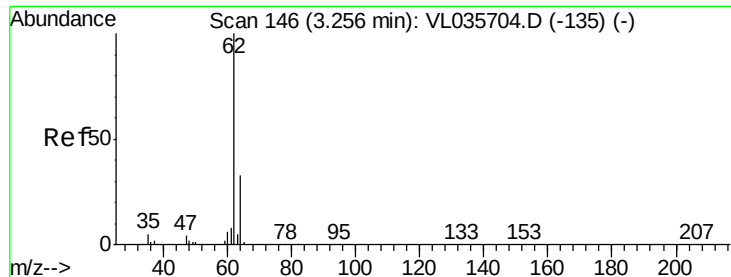
52 35.2 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.750 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tot Ion: 62 Resp: 801999

Ion Ratio Lower Upper

62 100

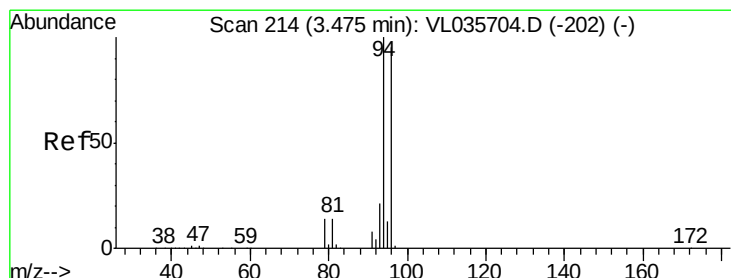
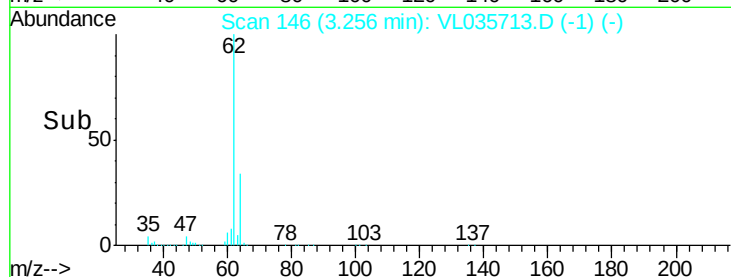
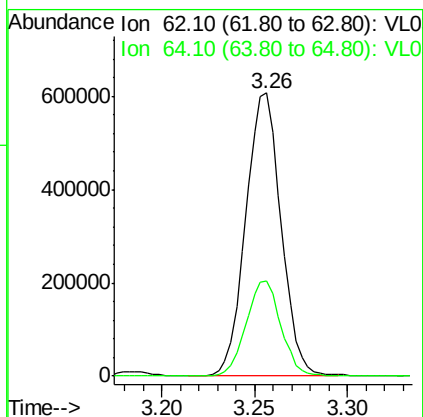
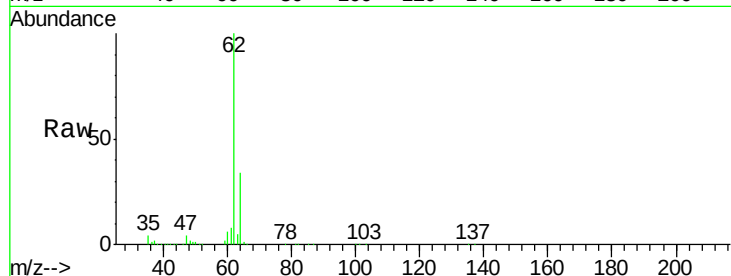
64 33.7 26.8 40.2

Manual Integrations

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#6

Bromomethane

Concen: 9.643 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL035713.D

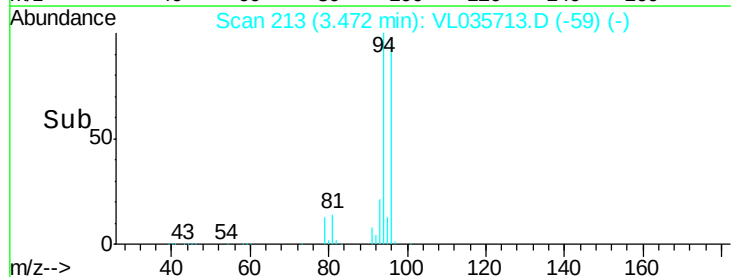
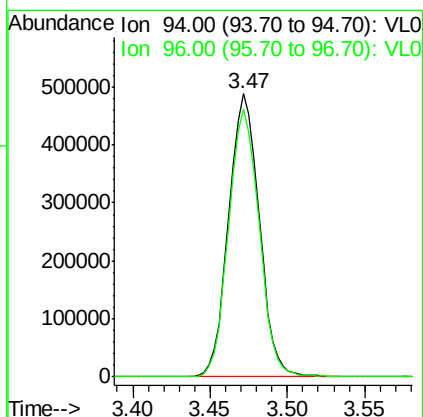
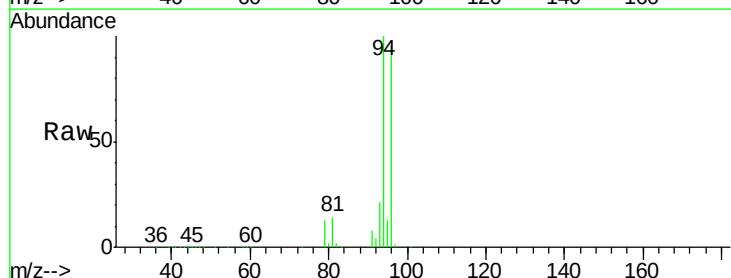
Acq: 23 Sep 2020 10:25

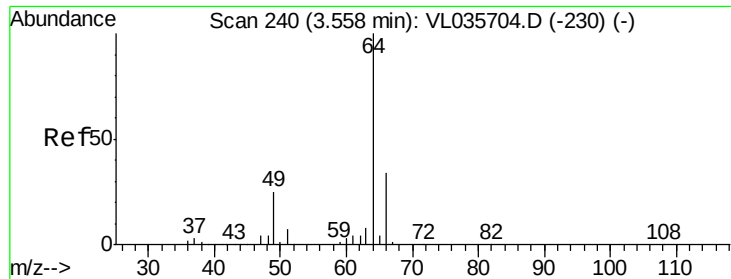
Tgt Ion: 94 Resp: 670503

Ion Ratio Lower Upper

94 100

96 94.5 76.3 114.5





#7

Chloroethane

Concen: 9.728 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tot Ion: 64 Resp: 293478

Ion Ratio Lower Upper

64 100

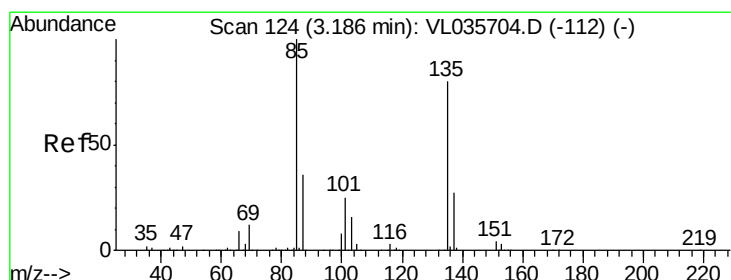
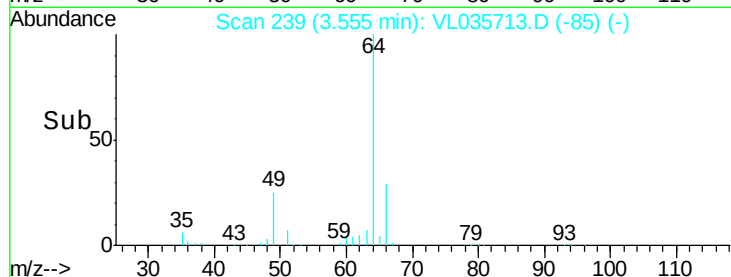
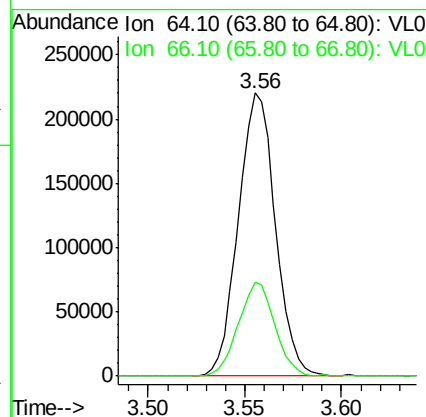
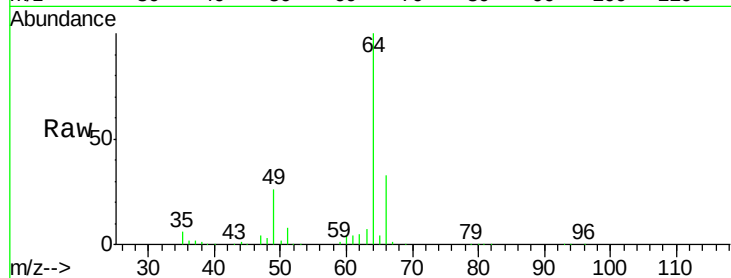
66 33.0 26.9 40.3

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.320 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL035713.D

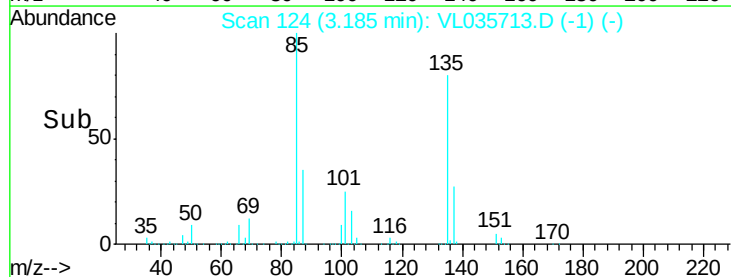
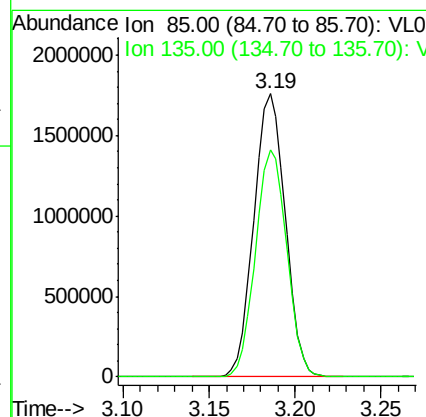
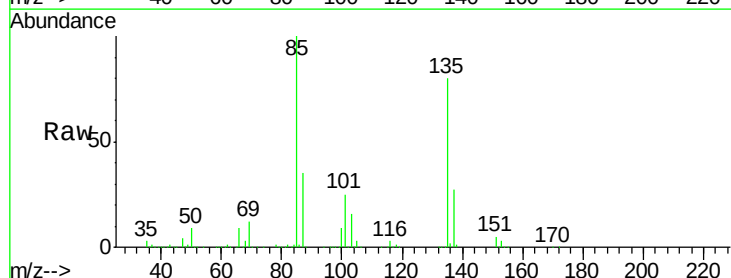
Acq: 23 Sep 2020 10:25

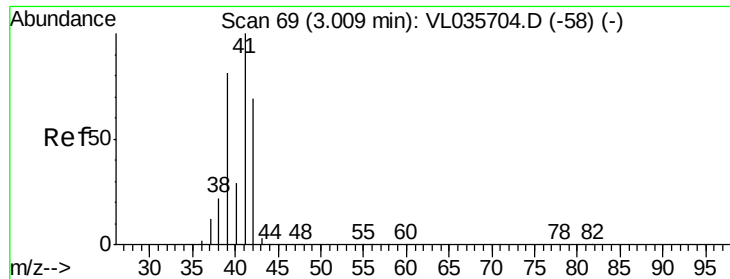
Tgt Ion: 85 Resp: 2231956

Ion Ratio Lower Upper

85 100

135 80.3 64.3 96.5





#9

Propene

Concen: 10.111 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tot Ion: 41 Resp: 475284

Ion Ratio Lower Upper

41 100

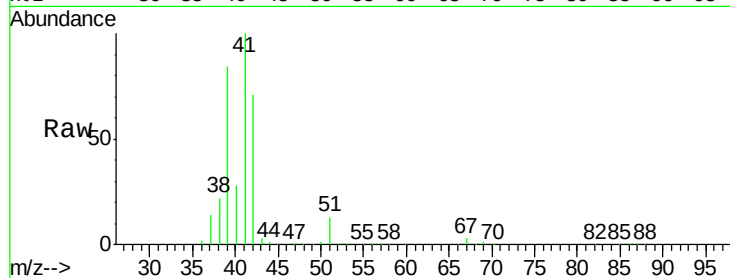
42 70.0 56.2 84.4

Manual Integrations

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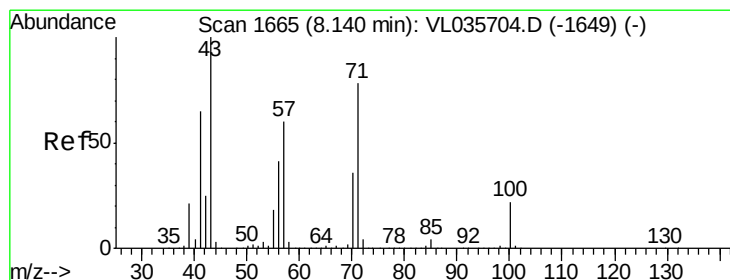
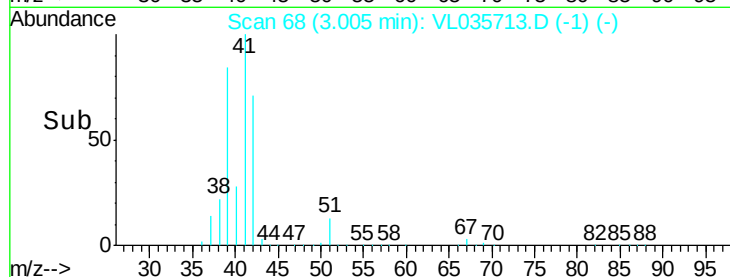
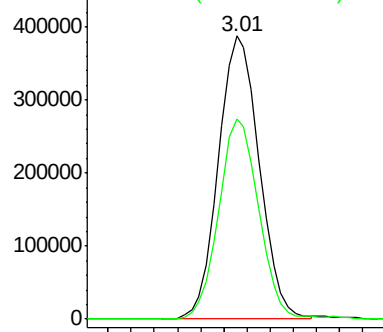
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.644 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VL035713.D

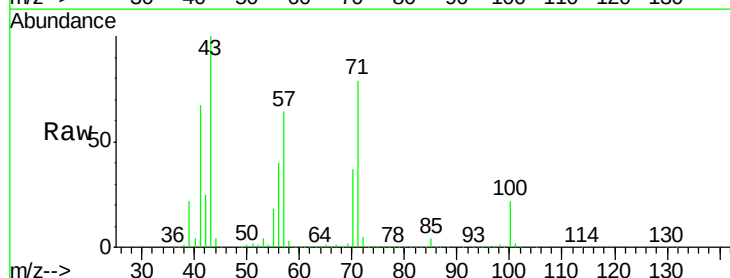
Acq: 23 Sep 2020 10:25

Tgt Ion: 43 Resp: 1394843

Ion Ratio Lower Upper

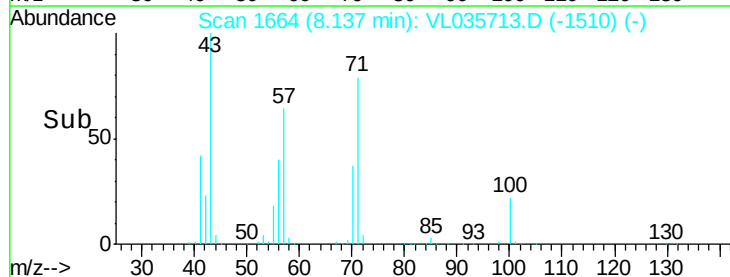
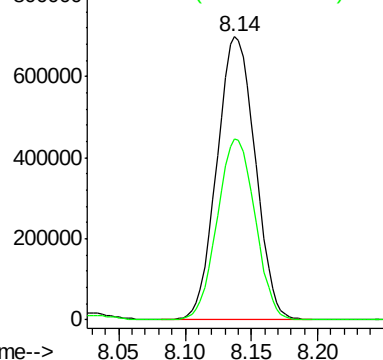
43 100

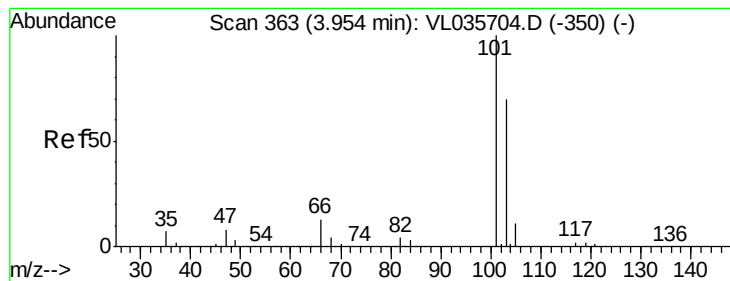
57 63.7 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.332 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tot Ion:101 Resp: 2629166

Ion Ratio Lower Upper

101 100

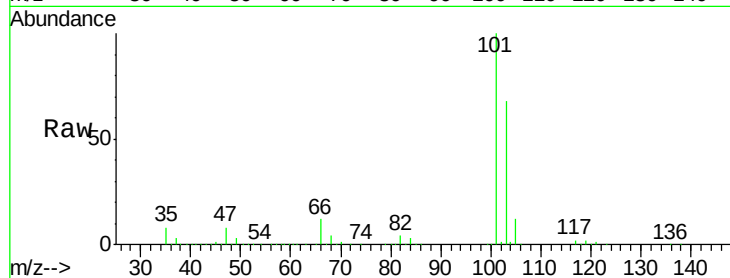
103 68.1 55.6 83.4

Manual Integrations

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9/24/2020 1:35:29 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2000000

1500000

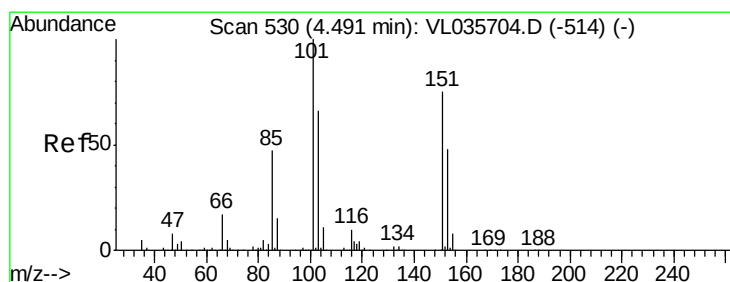
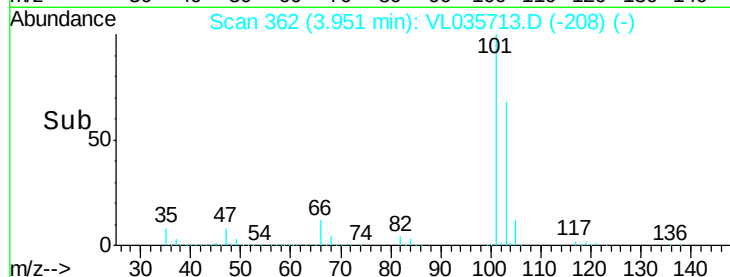
1000000

500000

0

3.90 3.95 4.00

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.449 ppbv

RT: 4.49 min Scan# 529

Delta R.T. -0.00 min

Lab File: VL035713.D

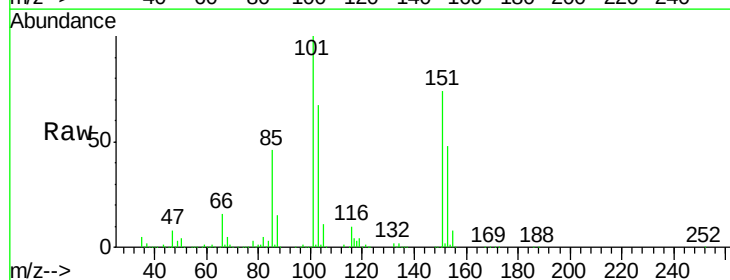
Acq: 23 Sep 2020 10:25

Tgt Ion:101 Resp: 1984472

Ion Ratio Lower Upper

101 100

151 73.7 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

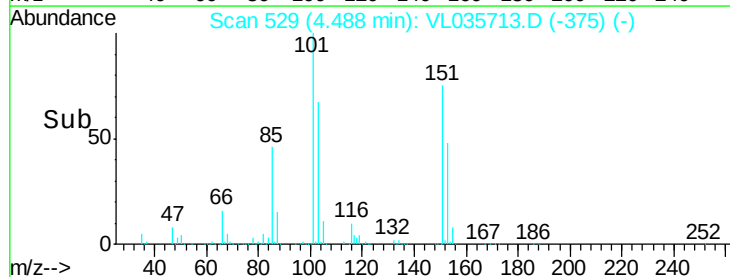
1000000

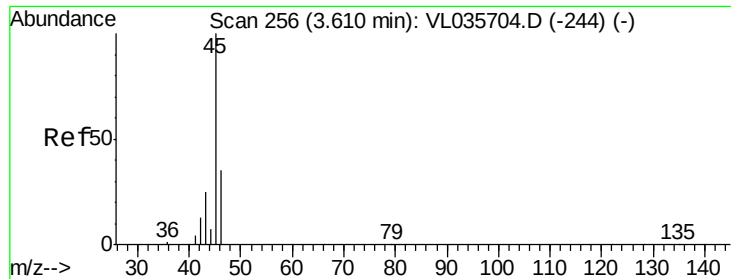
500000

0

4.40 4.45 4.50 4.55

Time-->





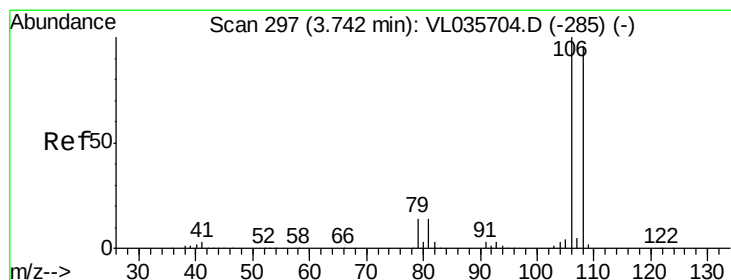
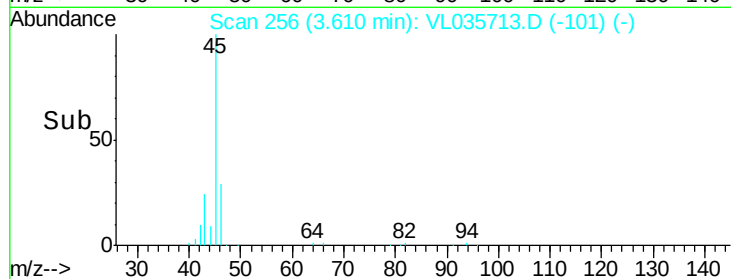
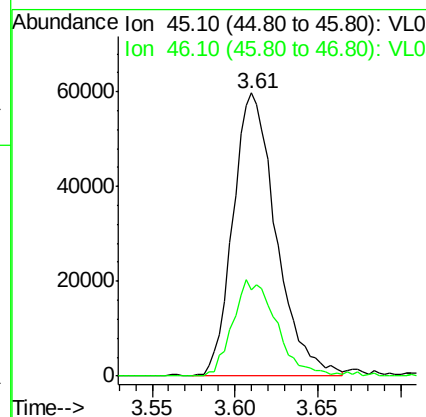
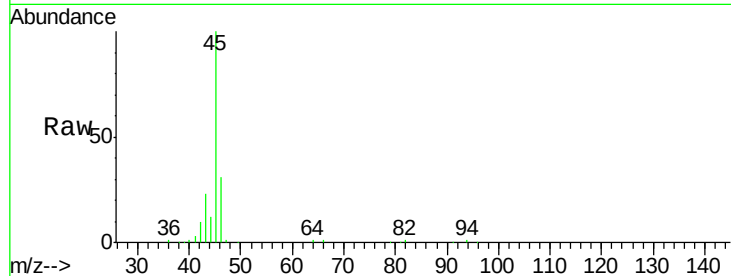
#13
Ethanol
Concen: 9.335 ppbv
RT: 3.61 min Scan# 256
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tot Ion	45	Resp	108210
Ion Ratio	100	Lower	Upper
45	100		
46	35.0	14.7	58.7

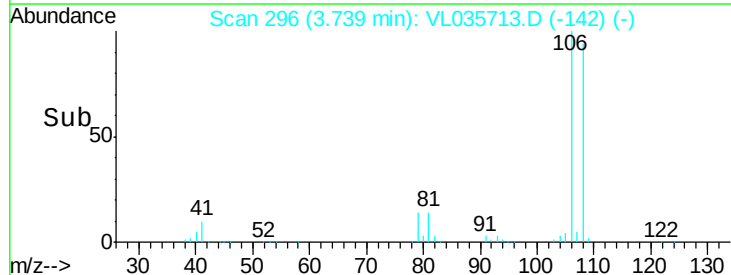
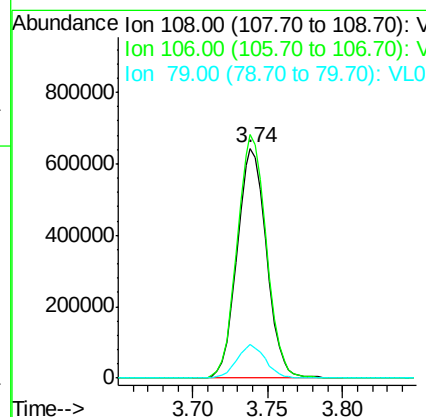
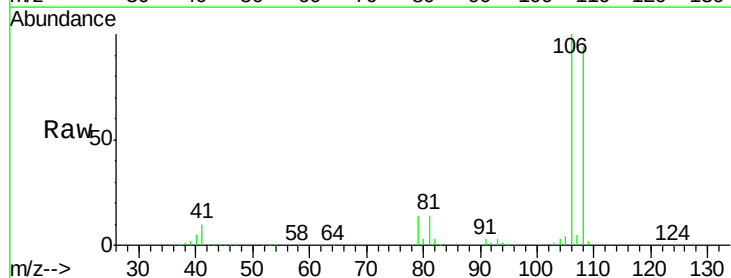
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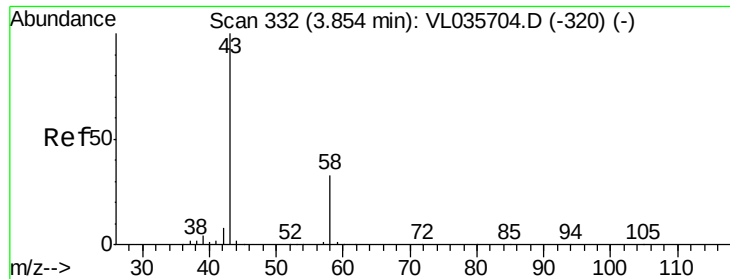
MMDadoda
9/24/2020 1:35:29 PM



#14
Bromoethene
Concen: 9.949 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion	108	Resp	880157
Ion Ratio	100	Lower	Upper
108	100		
106	106.1	84.6	126.8
79	14.4	11.6	17.4





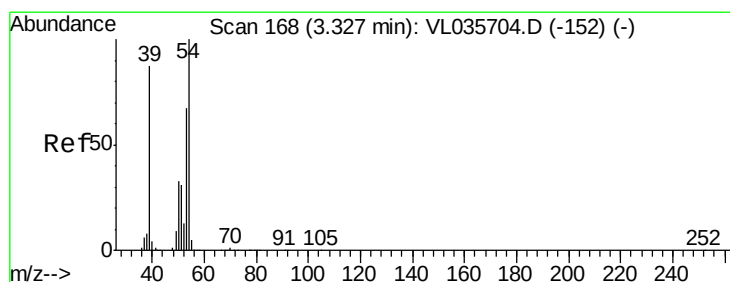
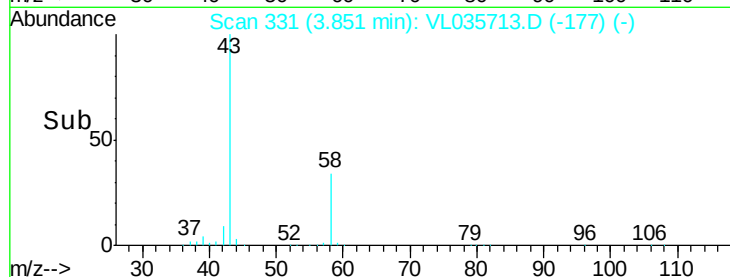
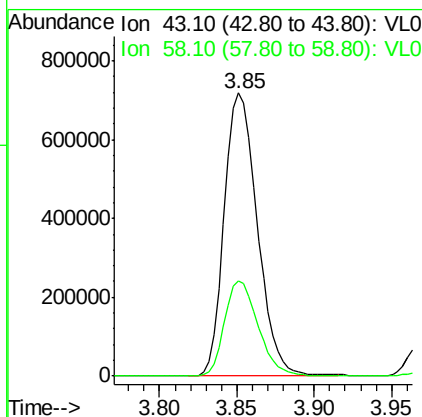
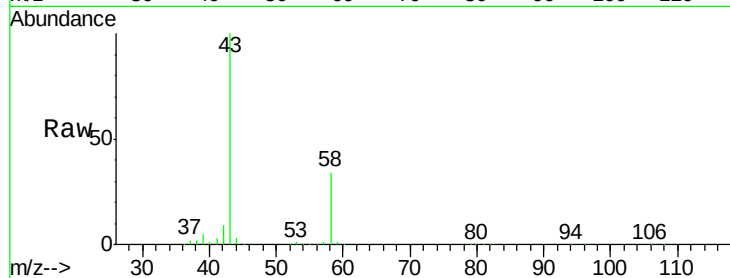
#15
Acetone
Concen: 8.230 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tot Ion: 43 Resp: 1065714
Ion Ratio Lower Upper
43 100
58 34.2 27.3 40.9

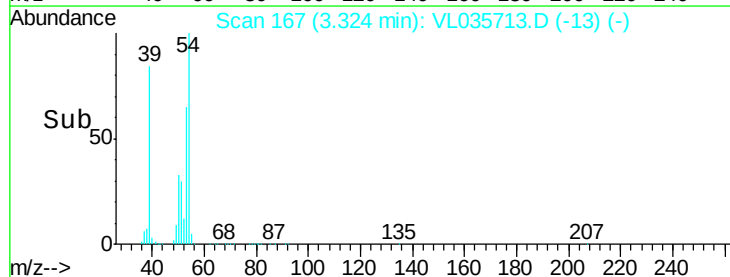
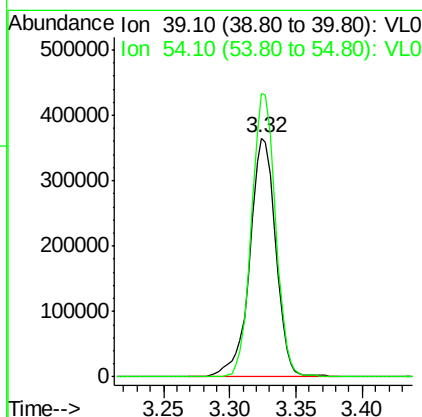
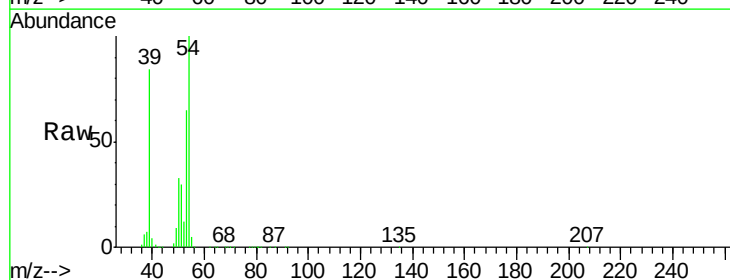
Manual Integrations
APPROVED

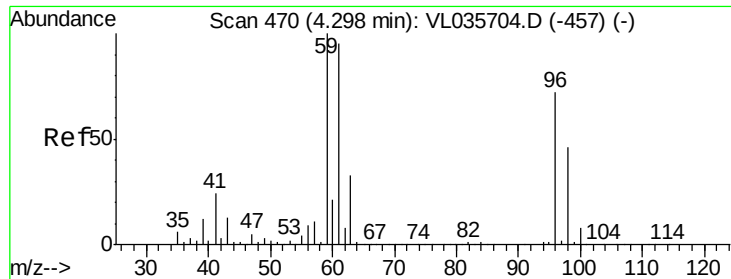
MMDadoda
9/24/2020 1:35:29 PM



#16
1,3-Butadiene
Concen: 10.522 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion: 39 Resp: 498422
Ion Ratio Lower Upper
39 100
54 110.2 87.4 131.0





#17

tert-Butyl alcohol

Concen: 11.063 ppbv

RT: 4.30 min Scan# 470

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Tot Ion: 59 Resp: 1560425

Ion Ratio Lower Upper

59 100

57 10.4 8.5 12.7

Instrument :

MSVOA_L

ClientSampleId :

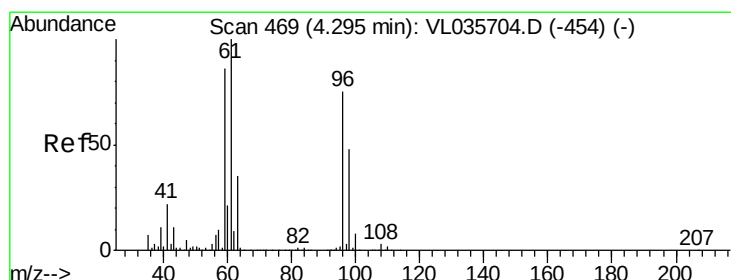
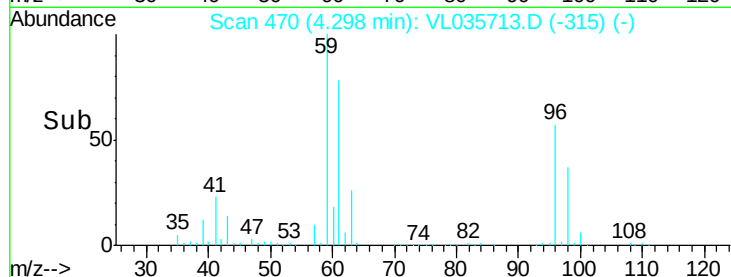
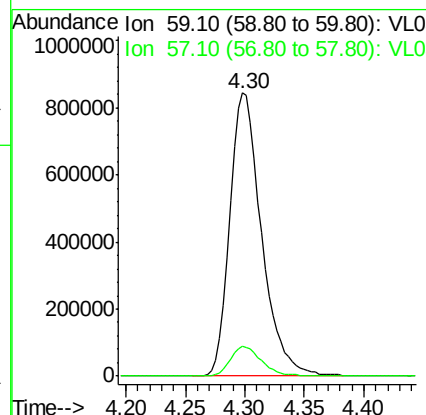
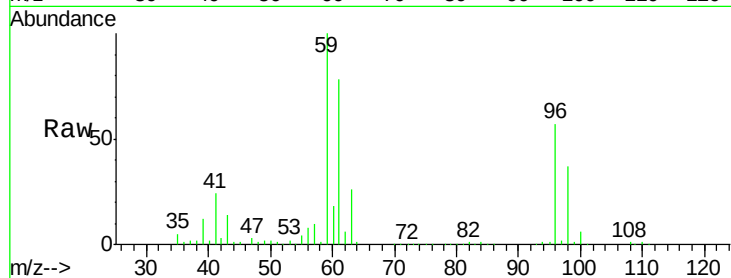
VL0923ABS01

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#18

1,1-Dichloroethene

Concen: 9.992 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

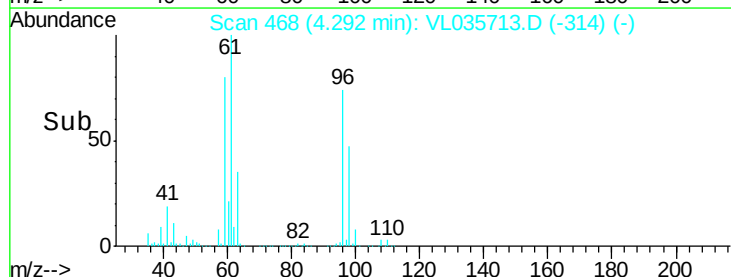
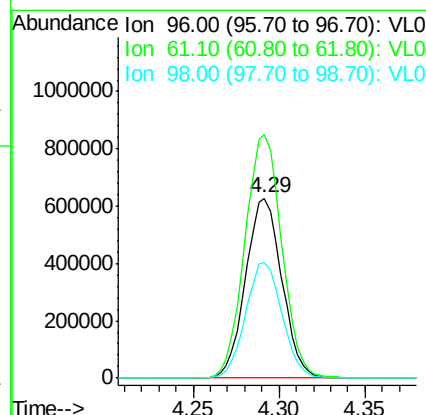
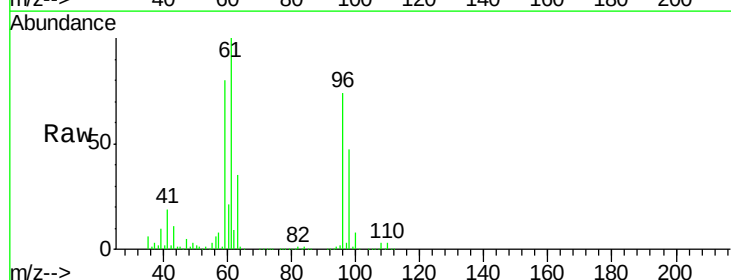
Tgt Ion: 96 Resp: 918755

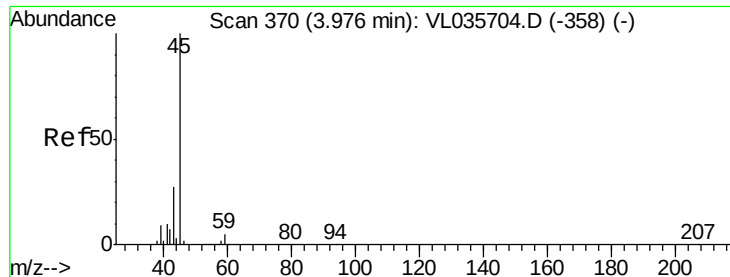
Ion Ratio Lower Upper

96 100

61 135.2 106.7 160.1

98 64.0 50.8 76.2





#19

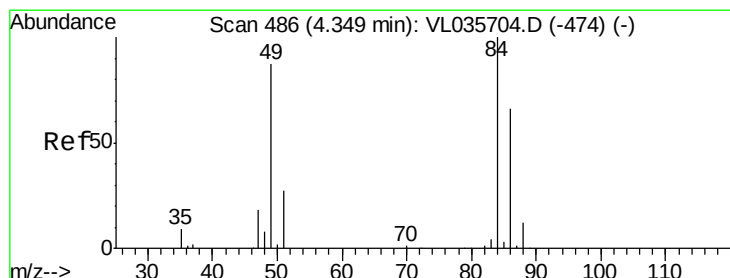
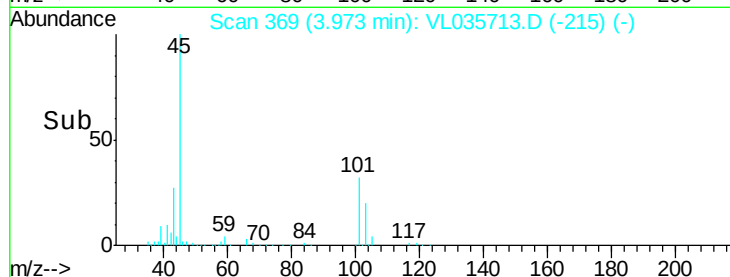
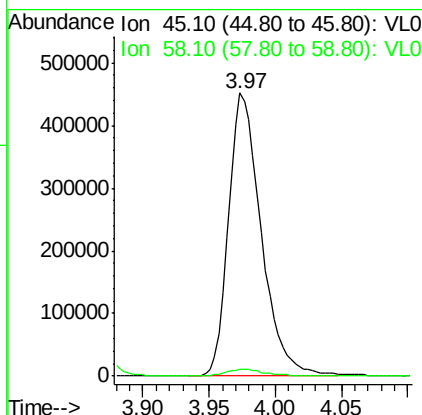
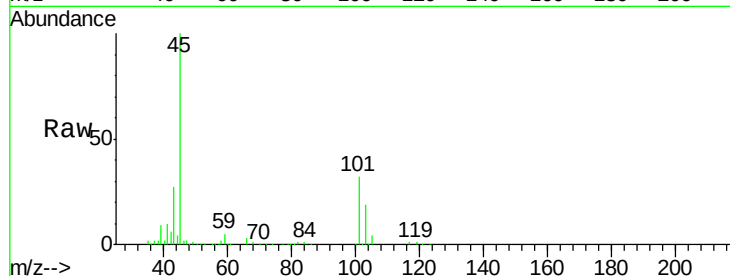
Isopropyl Alcohol
 Concen: 11.003 ppbv
 RT: 3.97 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.1	2.8	4.2

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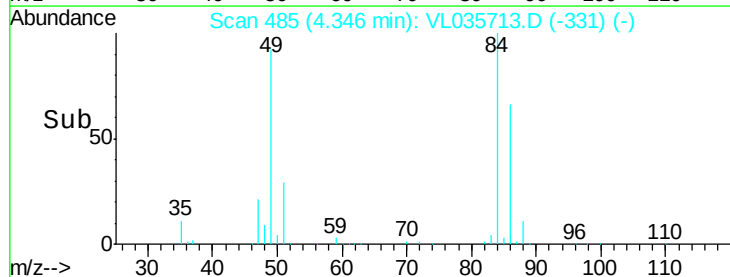
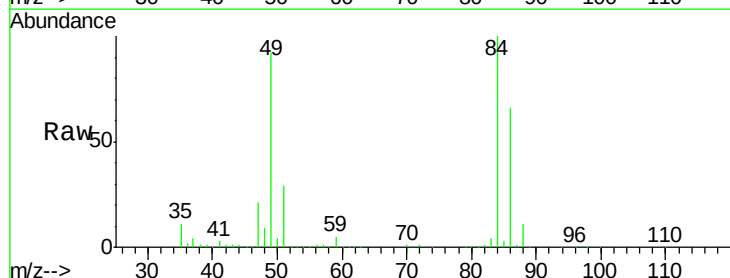
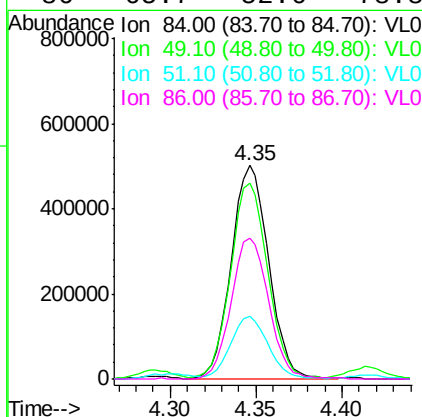
MMDadoda
 9/24/2020 1:35:29 PM

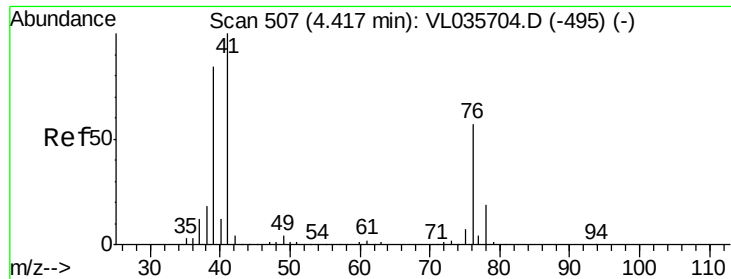


#20

Methylene Chloride
 Concen: 7.980 ppbv
 RT: 4.35 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	91.2	69.8	104.6
51	29.2	21.8	32.8
86	65.7	52.6	78.8





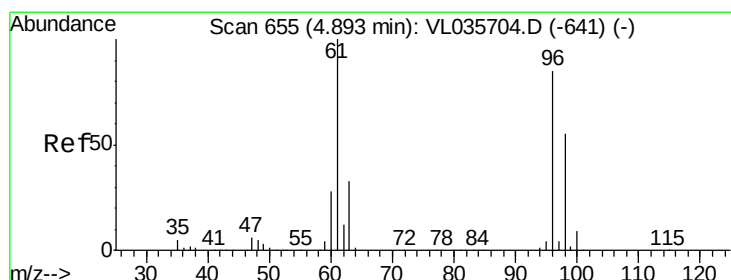
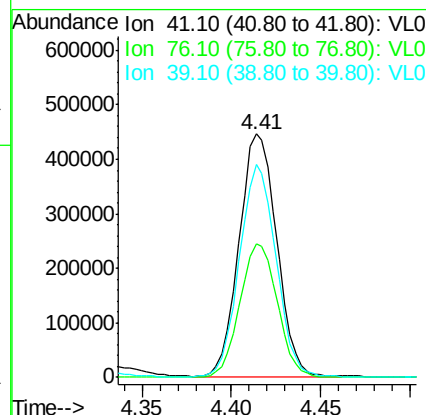
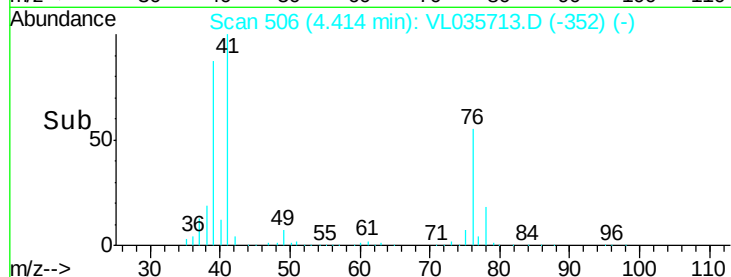
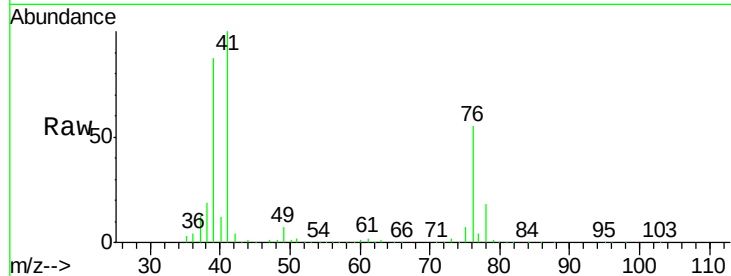
#21
Allvl Chloride
Concen: 10.400 ppbv
RT: 4.41 min Scan# 506
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	55.1	44.8	67.2
39	86.0	68.4	102.6

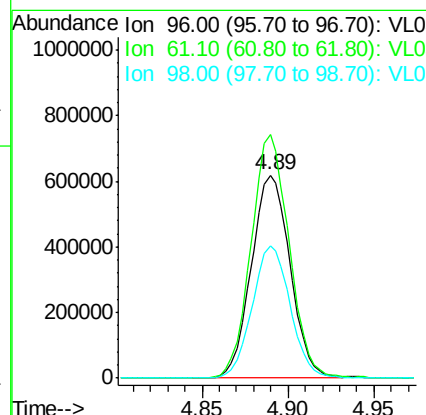
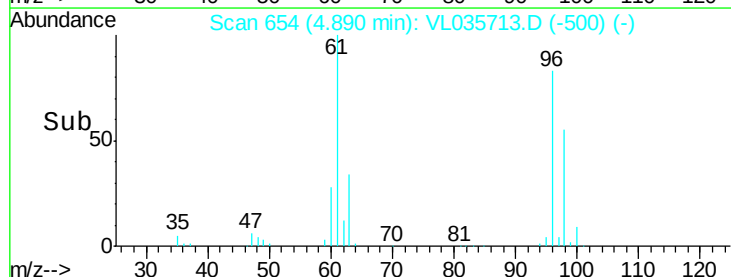
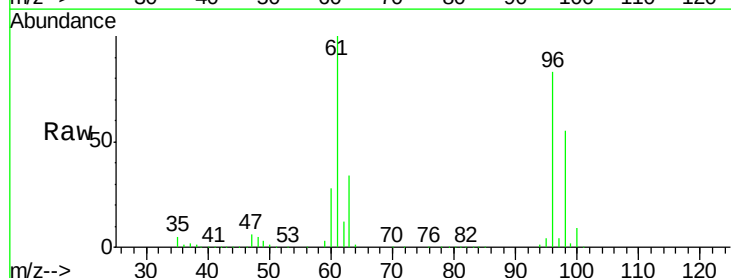
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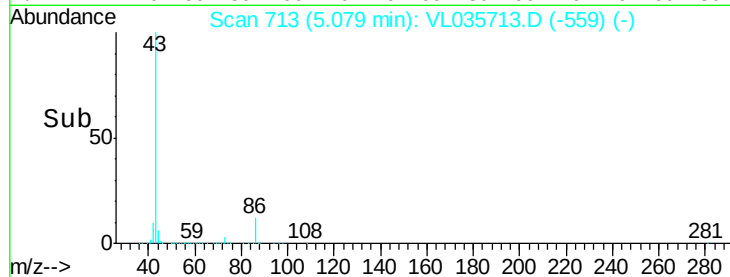
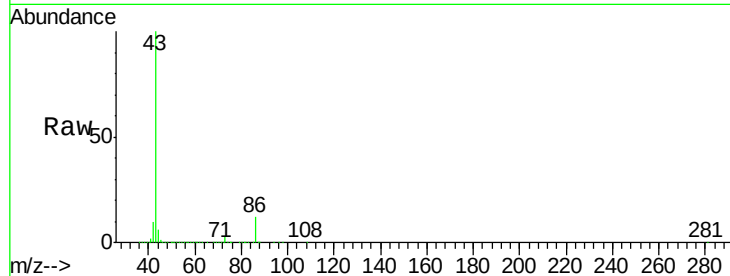
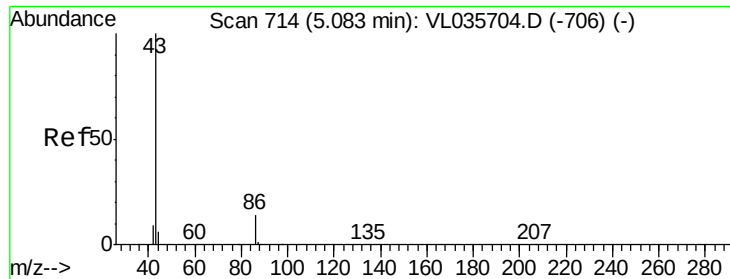
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.940 ppbv
RT: 4.89 min Scan# 654
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.1	93.7	140.5
98	65.4	51.2	76.8





#23

Vinyl Acetate

Concen: 10.792 ppbv

RT: 5.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Tot Ion: 43 Resp: 1711560

Ion Ratio Lower Upper

43 100

86 12.2 9.7 14.5

42 9.9 7.9 11.9

44 6.1 4.8 7.2

Instrument :

MSVOA_L

ClientSampleId :

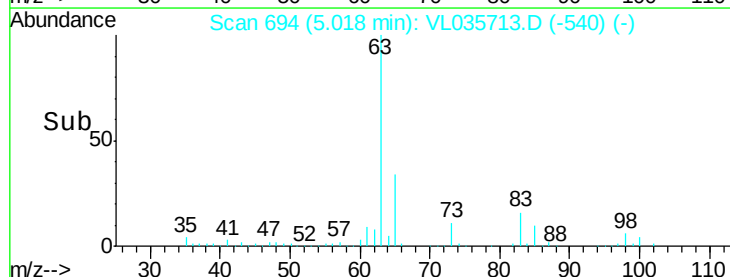
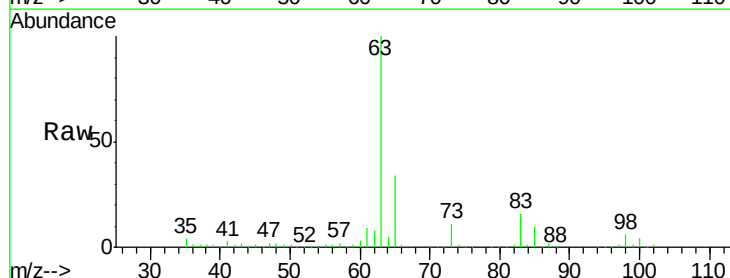
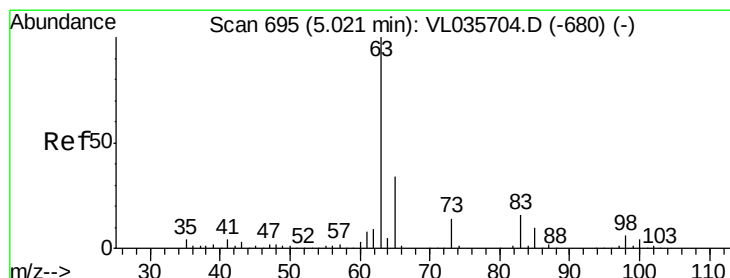
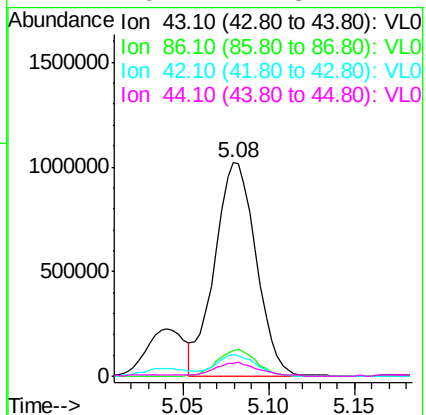
VL0923ABS01

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#24

1,1-Dichloroethane

Concen: 9.641 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

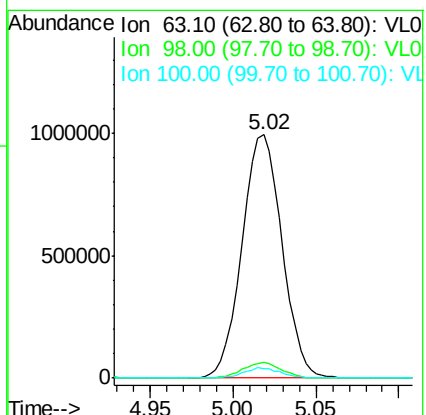
Tgt Ion: 63 Resp: 1665410

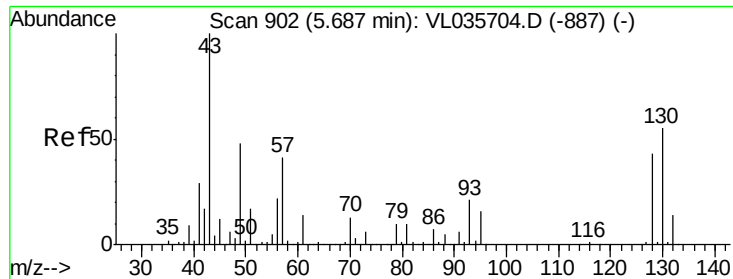
Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

100 3.8 2.0 5.8





#25
Ethyl Acetate
Concen: 9.720 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

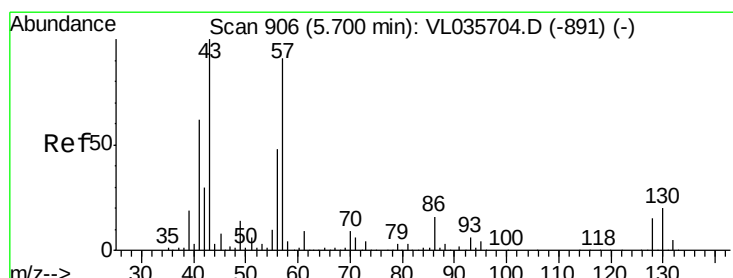
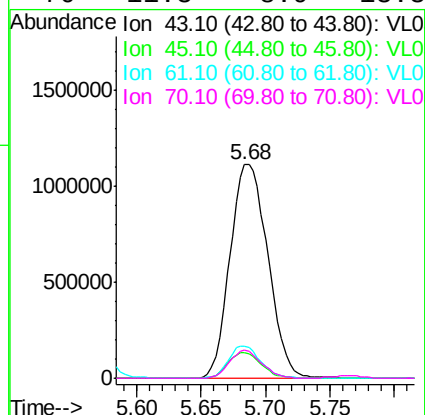
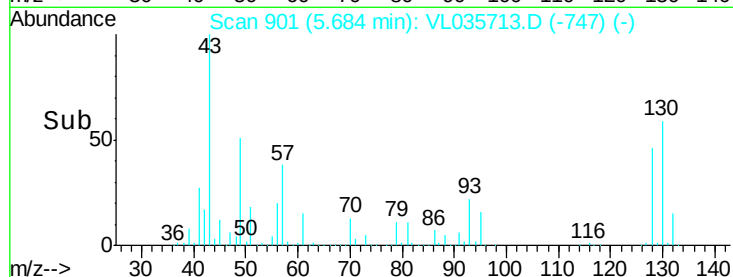
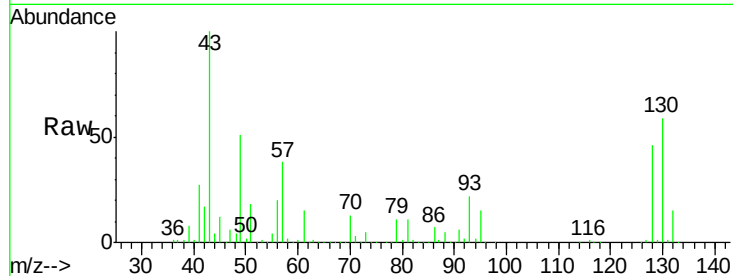
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tot Ion: 43 Resp: 2264728

Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.6	12.8
61	13.1	10.4	15.6
70	11.3	8.9	13.3

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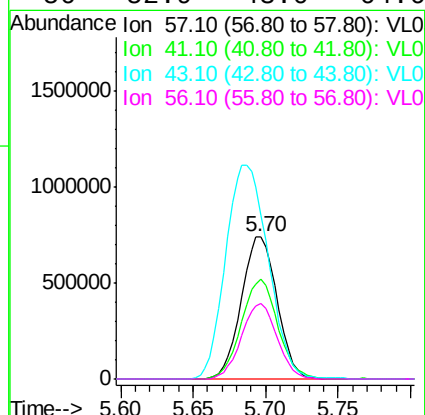
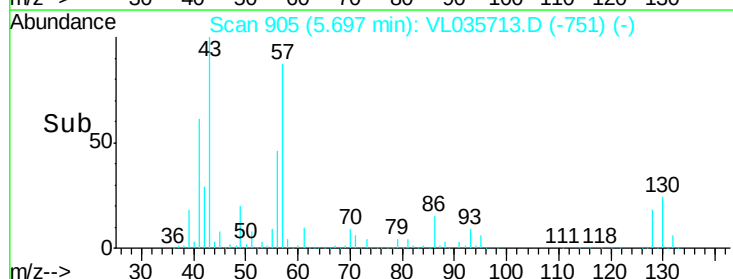
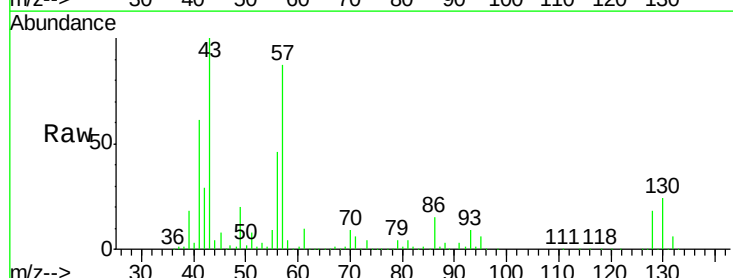
MMDadoda
9/24/2020 1:35:29 PM

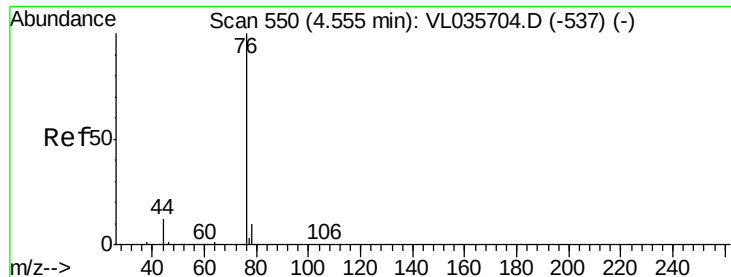


#26
Hexane
Concen: 9.934 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion: 57 Resp: 1268340

Ion	Ratio	Lower	Upper
57	100		
41	72.0	57.9	86.9
43	179.7	143.8	215.6
56	52.9	43.0	64.6





#27

Carbon Disulfide

Concen: 10.676 ppbv

RT: 4.55 min Scan# 549

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tot Ion: 76 Resp: 2031614

Ion Ratio Lower Upper

76 100

44 11.9 9.7 14.5

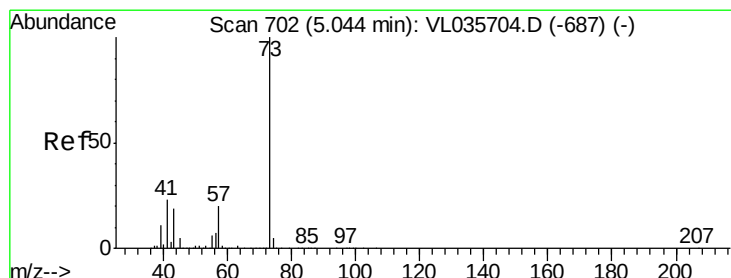
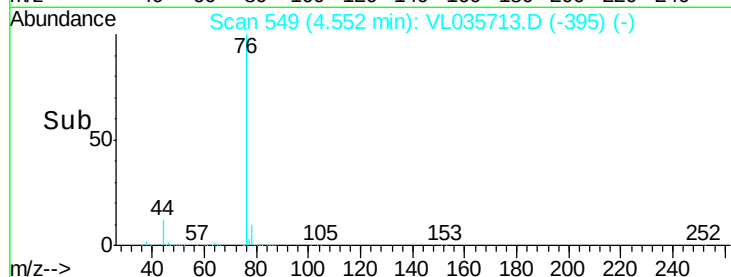
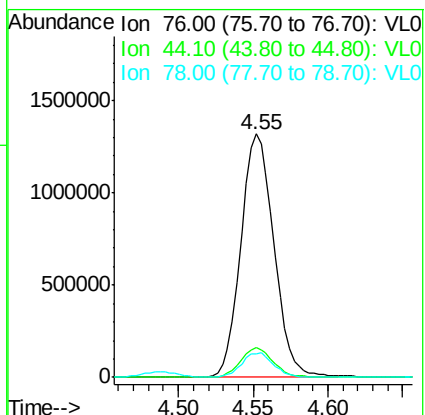
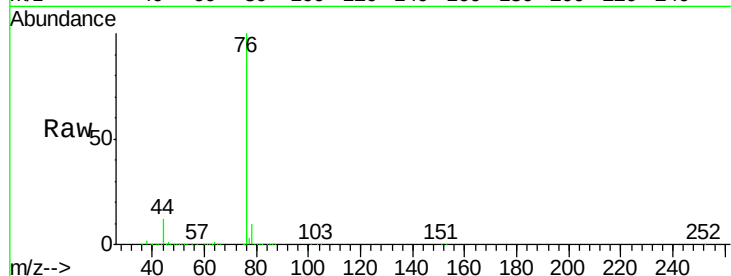
78 9.8 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:35:29 PM



#28

Methyl tert-Butyl Ether

Concen: 10.726 ppbv

RT: 5.04 min Scan# 701

Delta R.T. -0.00 min

Lab File: VL035713.D

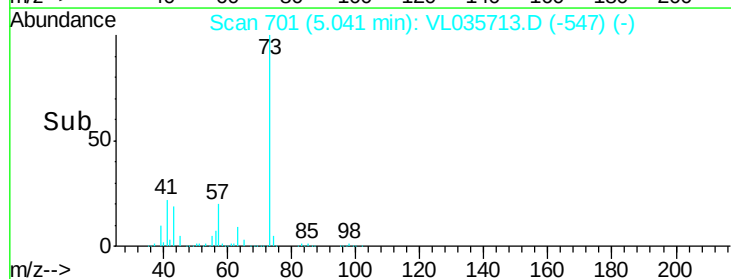
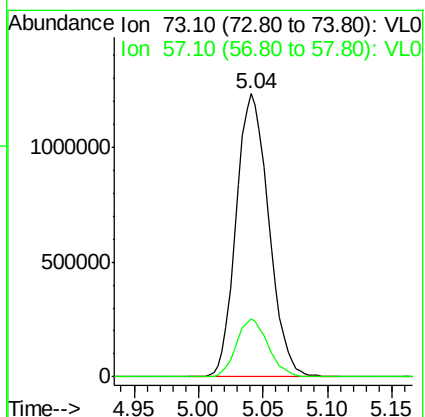
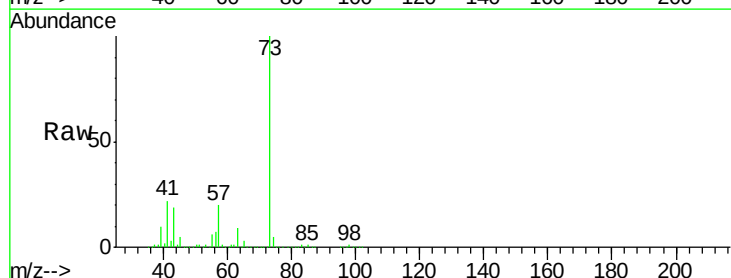
Acq: 23 Sep 2020 10:25

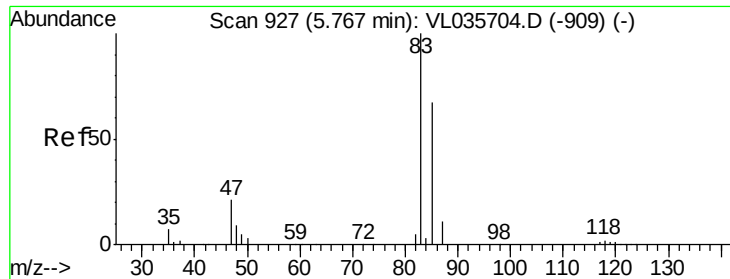
Tgt Ion: 73 Resp: 2170782

Ion Ratio Lower Upper

73 100

57 20.0 15.6 23.4





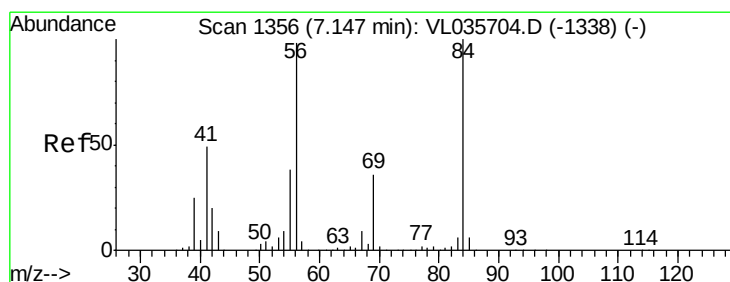
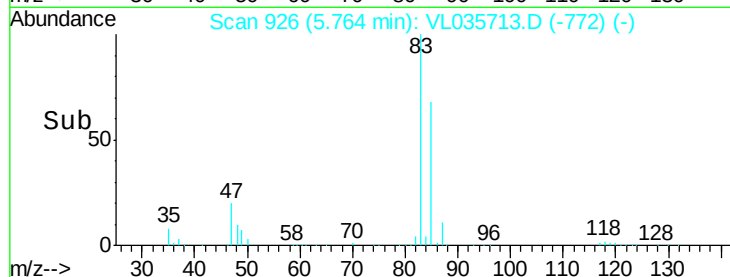
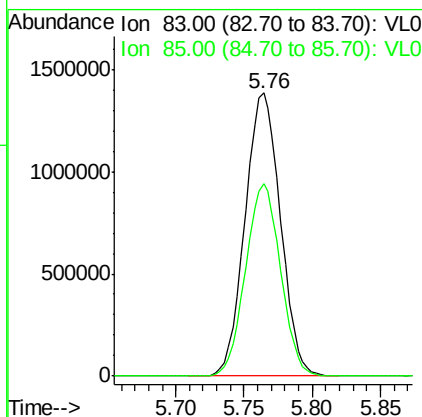
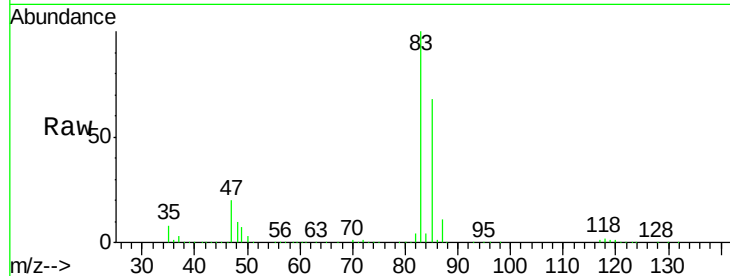
#29
Chloroform
Concen: 9.628 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tot Ion: 83 Resp: 2496391
Ion Ratio Lower Upper
83 100
85 67.8 54.0 81.0

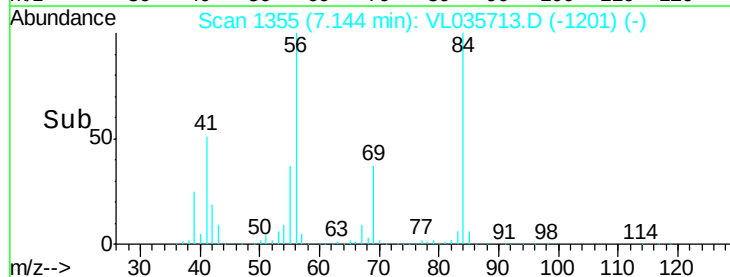
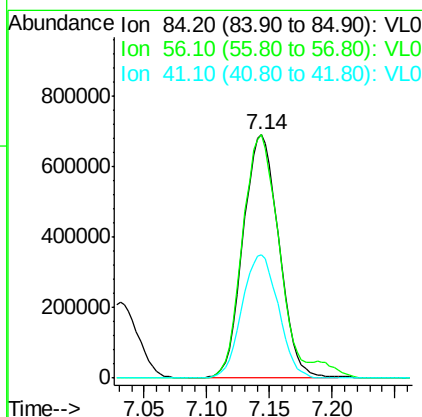
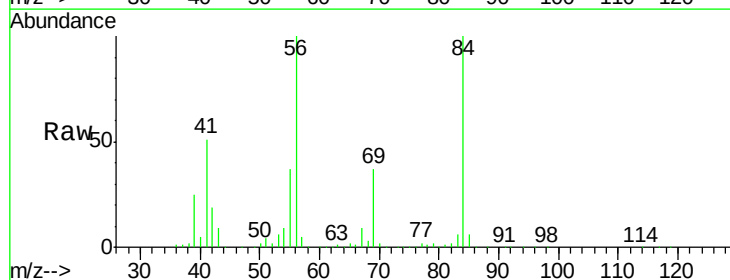
Manual Integrations
APPROVED

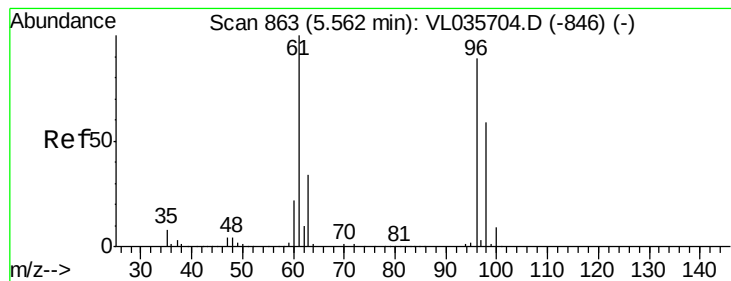
MMDadoda
9/24/2020 1:35:29 PM



#30
Cyclohexane
Concen: 10.927 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion: 84 Resp: 1376508
Ion Ratio Lower Upper
84 100
56 105.3 84.6 127.0
41 51.5 41.1 61.7





#31

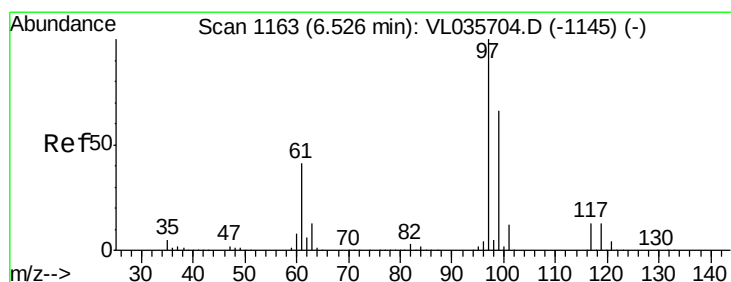
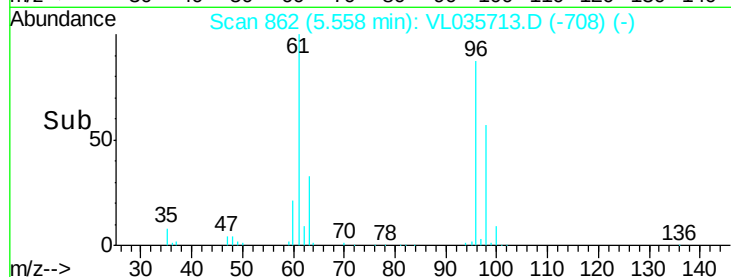
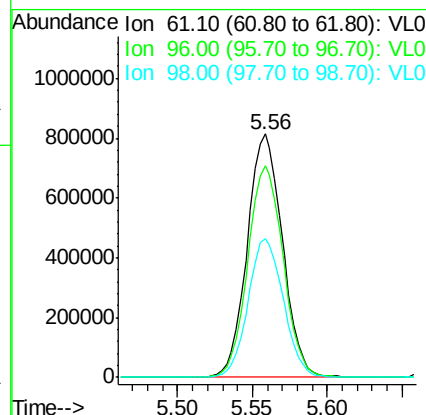
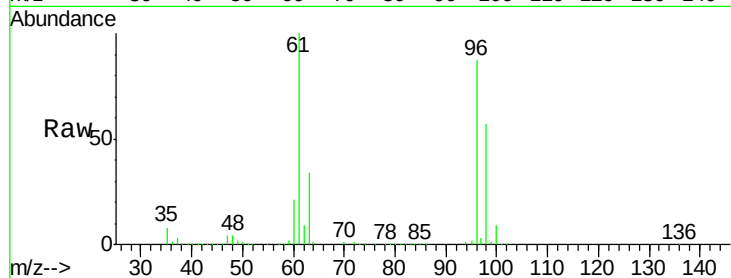
cis-1,2-Dichloroethene
Concen: 10.843 ppbv
RT: 5.56 min Scan# 862
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tot Ion	61	Resp	1336452
Ion	Ratio	Lower	Upper
61	100		
96	86.8	71.4	107.2
98	57.1	47.4	71.2

Manual Integrations
APPROVED

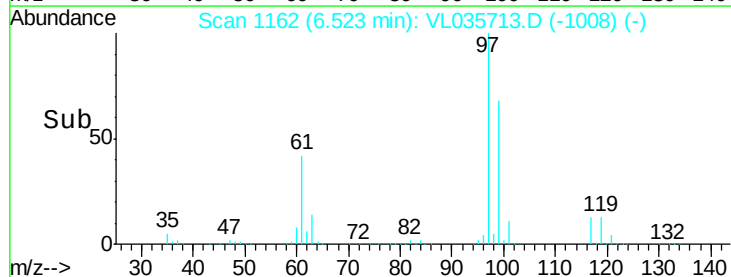
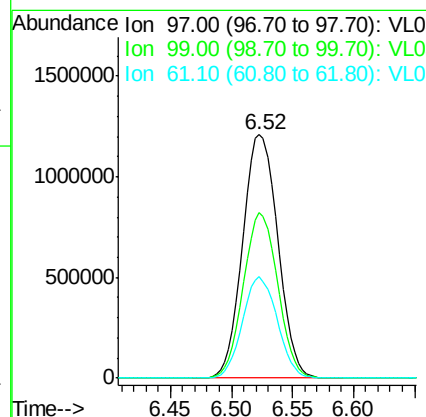
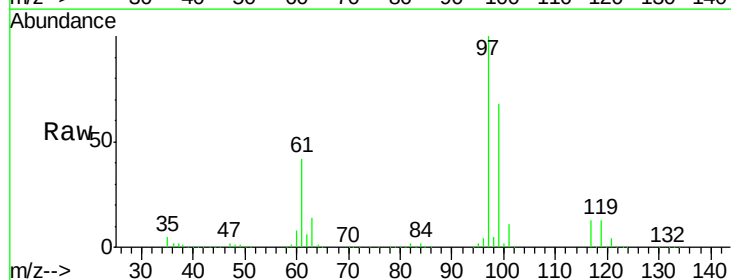
MMDadoda
9/24/2020 1:35:29 PM

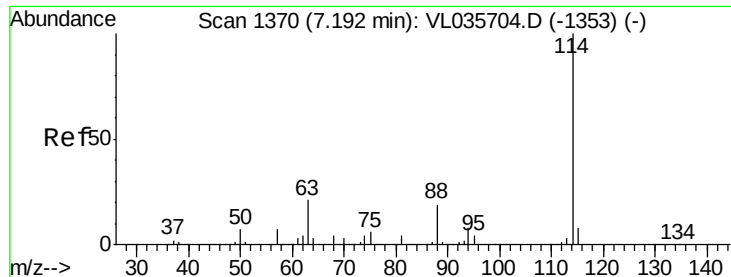


#32

1,1,1-Trichloroethane
Concen: 10.566 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion	97	Resp	2415047
Ion	Ratio	Lower	Upper
97	100		
99	66.2	52.7	79.1
61	41.0	32.7	49.1





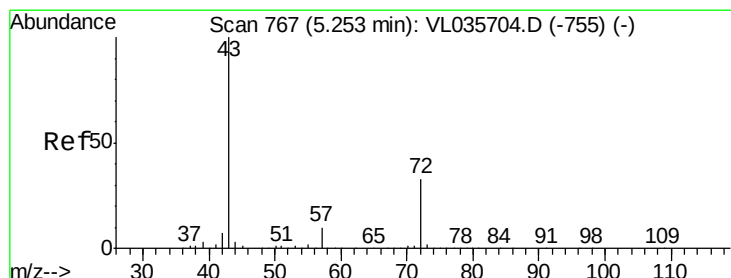
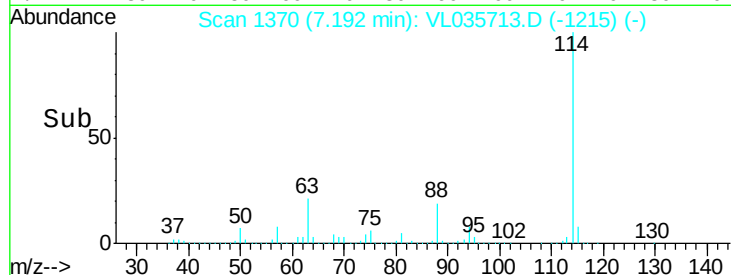
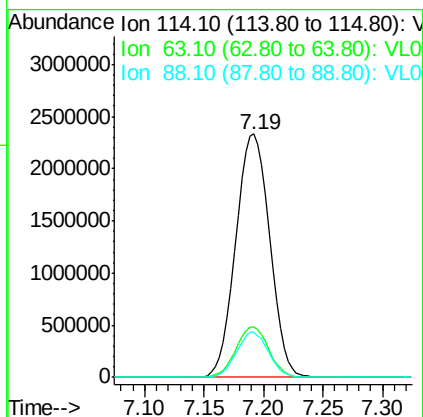
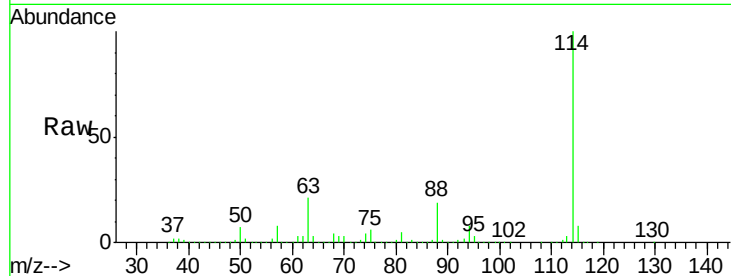
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tot Ion:114 Resp: 4617624
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.1 24.1
 88 17.5 14.1 21.1

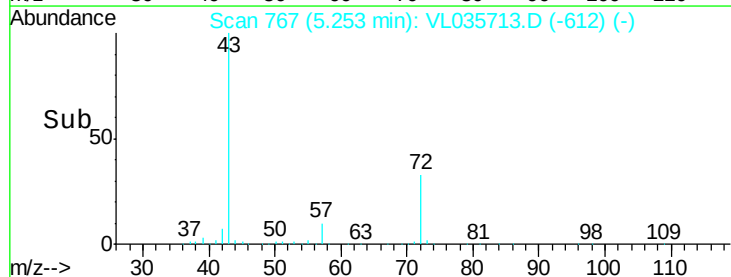
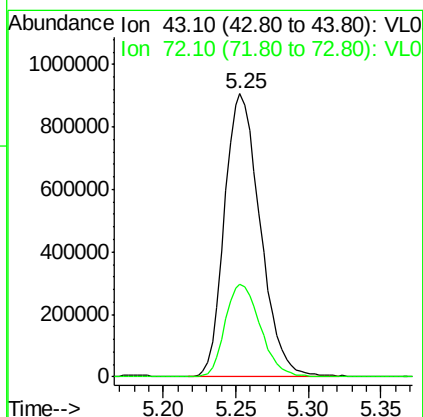
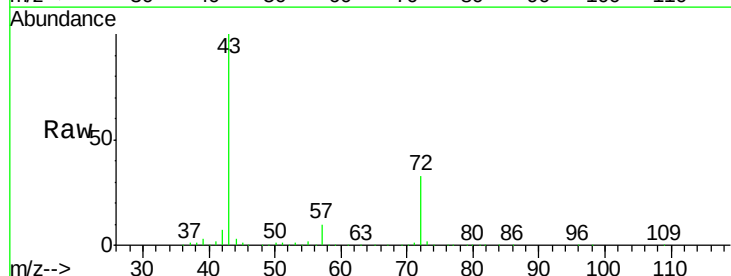
Manual Integrations
 APPROVED

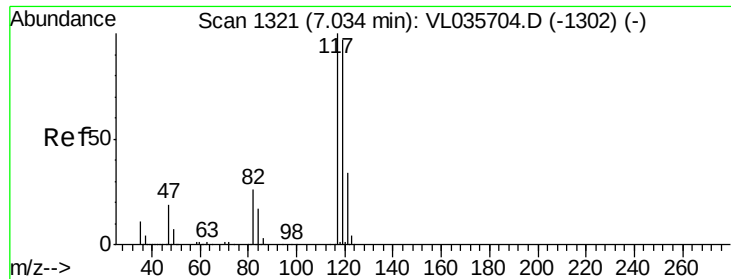
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 9/24/2020 1:35:29 PM



#34
 2-Butanone
 Concen: 10.121 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Tgt Ion: 43 Resp: 1545852
 Ion Ratio Lower Upper
 43 100
 72 32.7 26.1 39.1





#35

Carbon Tetrachloride

Concen: 10.343 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tot Ion:117 Resp: 2490155

Ion Ratio Lower Upper

117 100

119 96.3 77.7 116.5

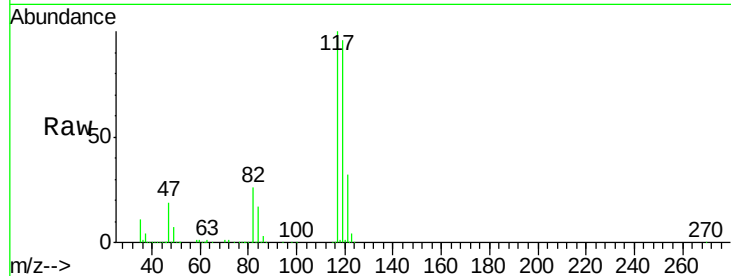
121 32.4 26.9 40.3

Manual Integrations

APPROVED

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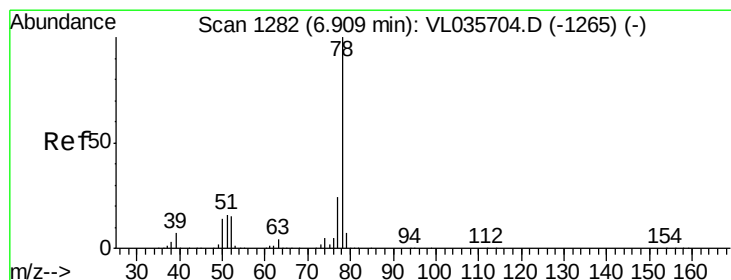
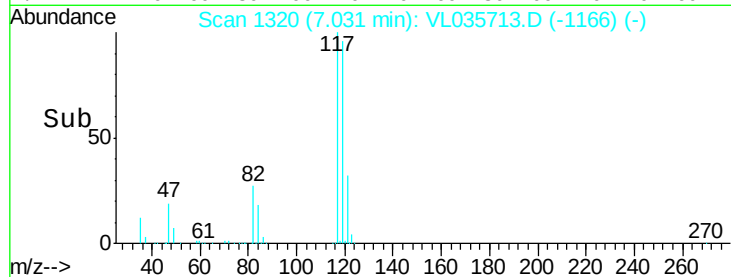
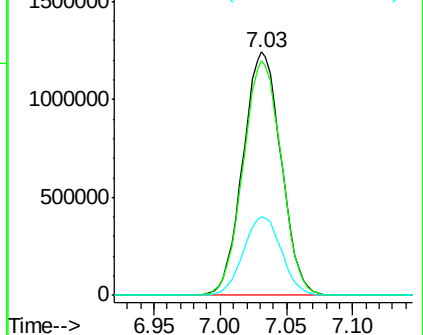
9/24/2020 1:35:29 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.444 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

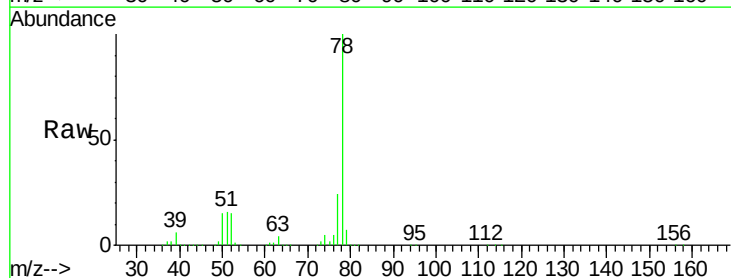
Tgt Ion: 78 Resp: 3142351

Ion Ratio Lower Upper

78 100

77 24.0 19.3 28.9

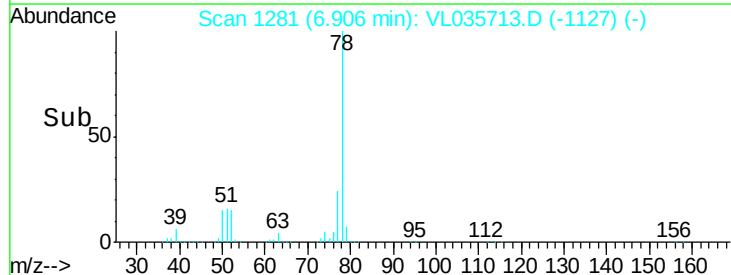
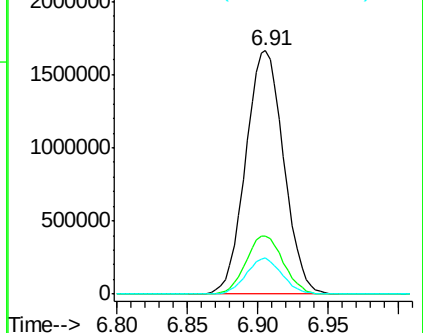
50 14.6 11.6 17.4

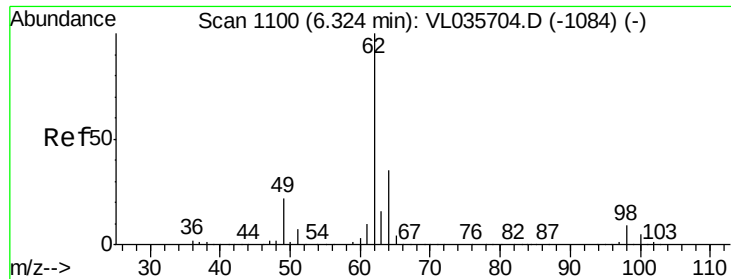


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





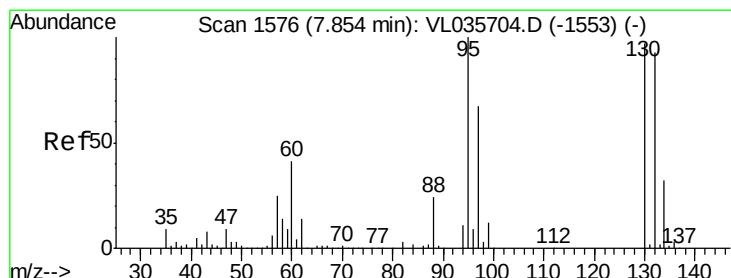
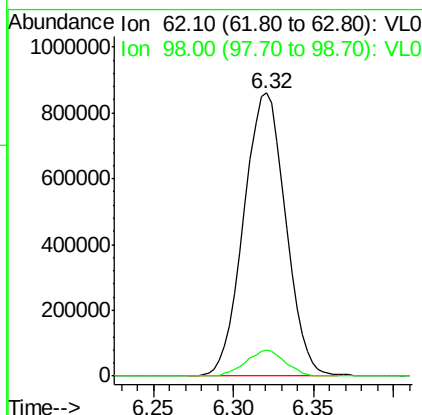
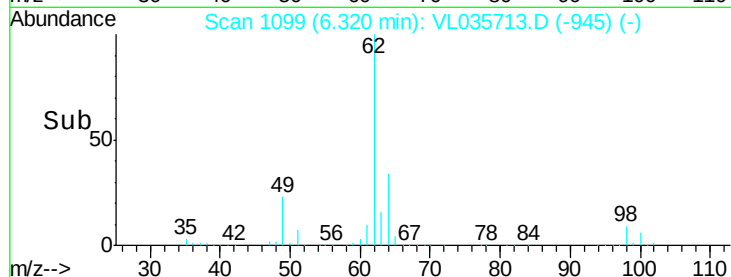
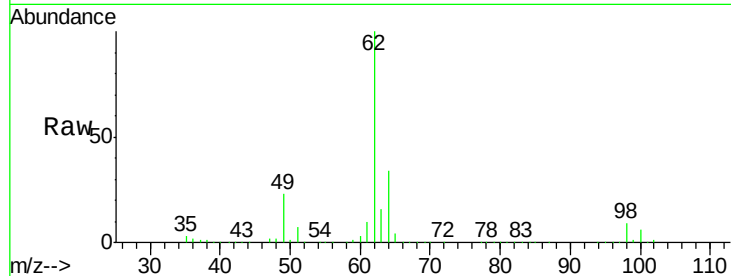
#37
 1,2-Dichloroethane
 Concen: 9.841 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tot Ion: 62 Resp: 1543203
 Ion Ratio Lower Upper
 62 100
 98 8.8 6.9 10.3

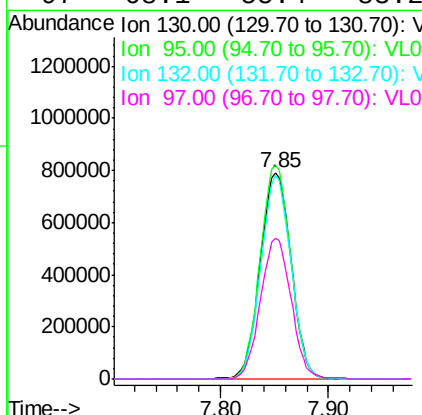
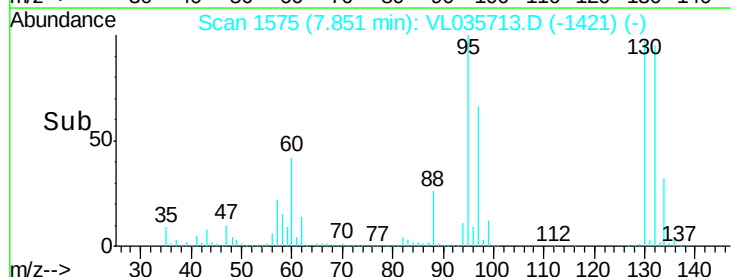
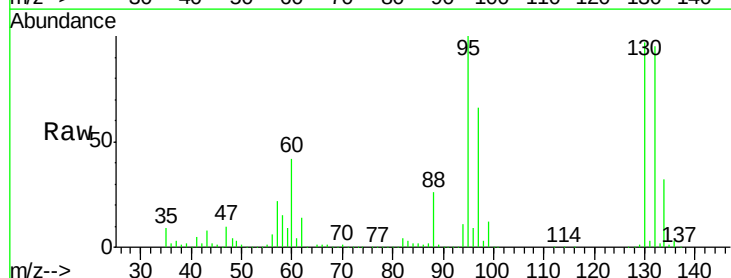
Manual Integrations
 APPROVED

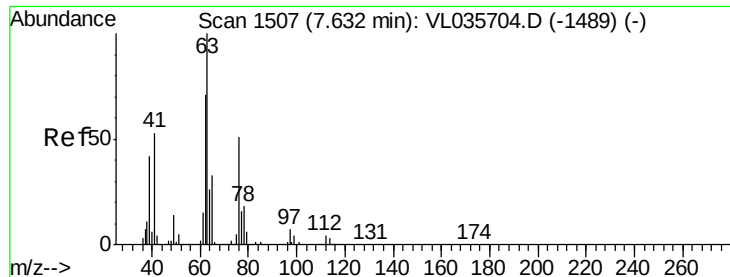
MMDadoda
 9/24/2020 1:35:29 PM



#38
 Trichloroethene
 Concen: 10.501 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Tgt Ion:130 Resp: 1576141
 Ion Ratio Lower Upper
 130 100
 95 103.4 82.4 123.6
 132 98.7 76.8 115.2
 97 68.1 55.4 83.2





#39

1,2-Dichloropropane

Concen: 10.050 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tot Ion: 63 Resp: 1096031

Ion Ratio Lower Upper

63 100

41 53.5 42.6 63.8

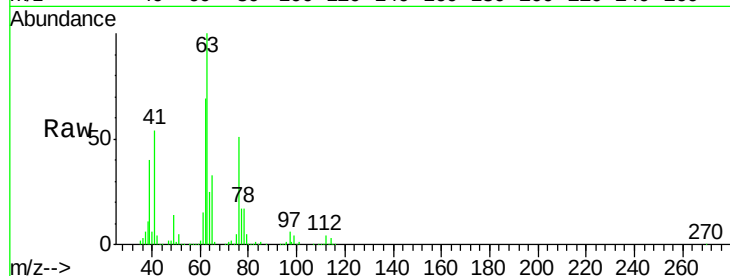
62 69.1 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

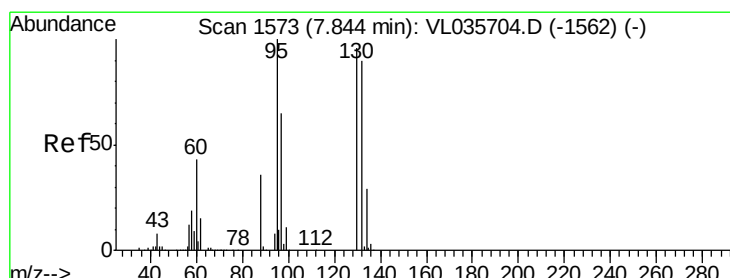
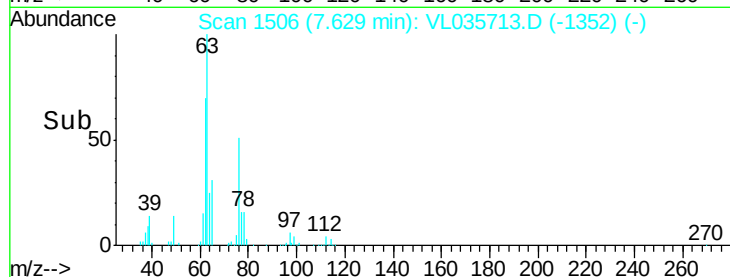
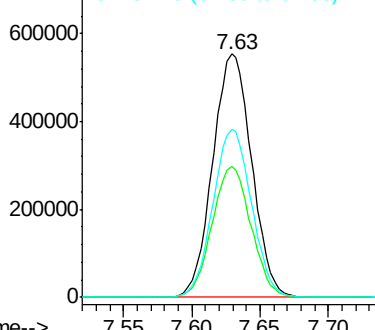
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.671 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Tgt Ion: 88 Resp: 532235

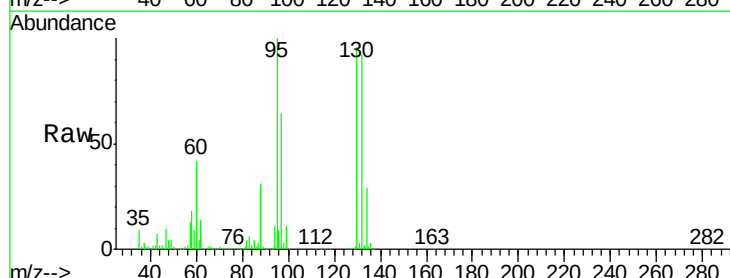
Ion Ratio Lower Upper

88 100

58 96.1 76.2 114.4

43 152.7 123.4 185.2

57 807.7 652.5 978.7

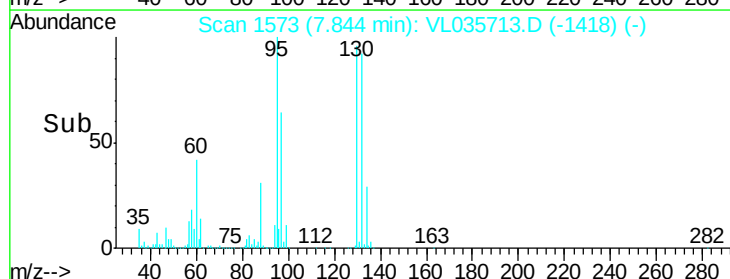
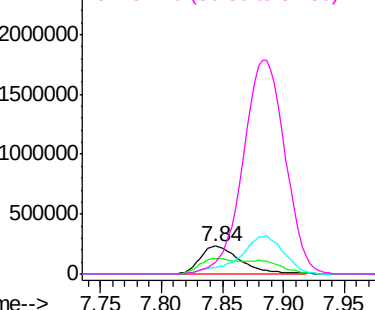


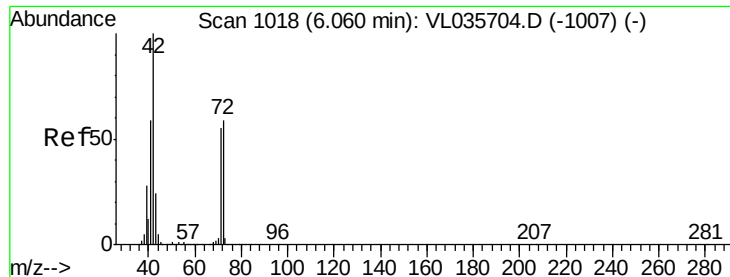
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





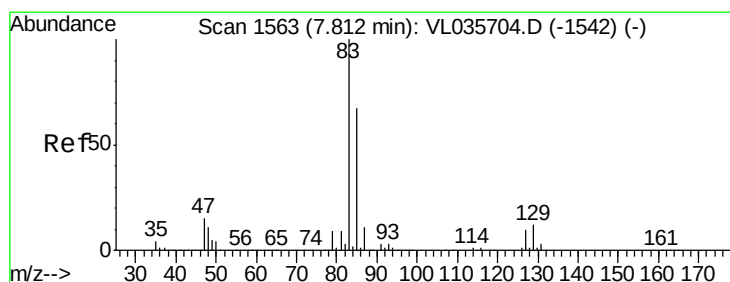
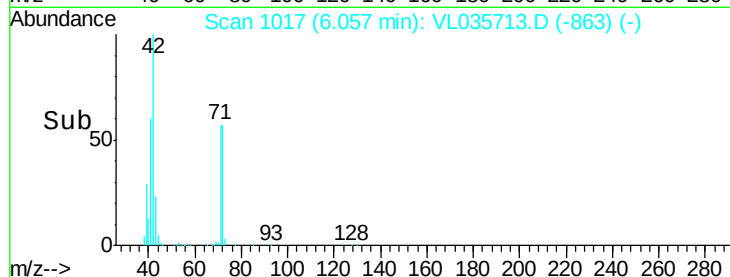
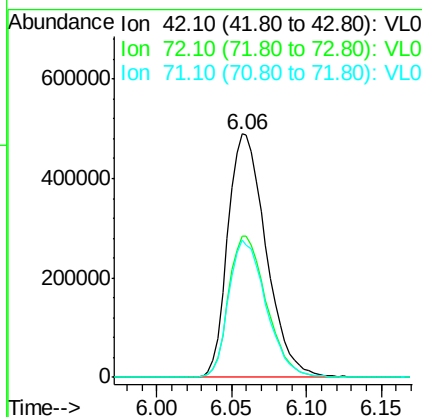
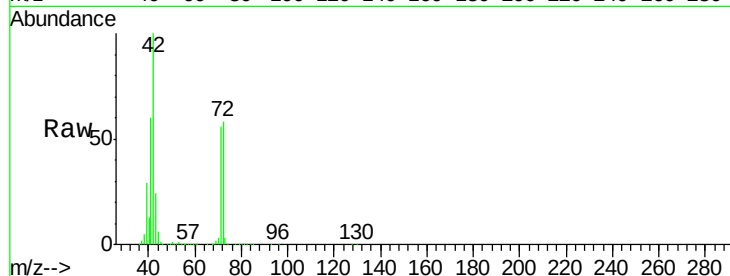
#41
Tetrahydrofuran
Concen: 11.333 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.7	46.2	69.4
71	55.2	44.2	66.4

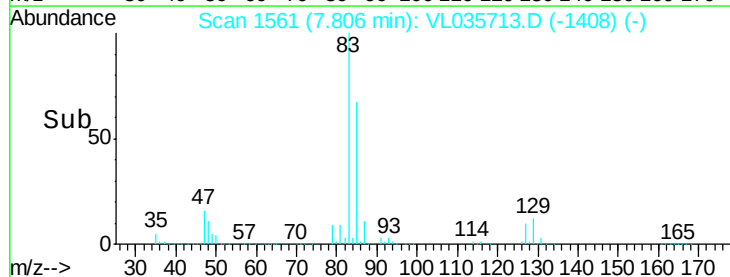
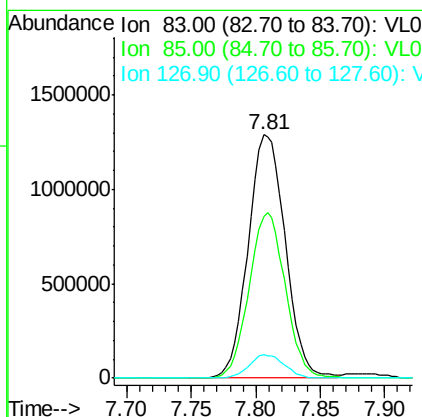
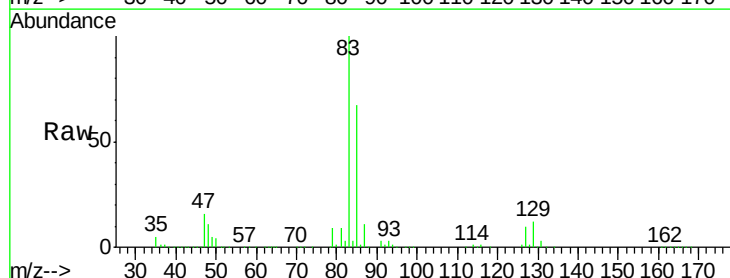
Manual Integrations
APPROVED

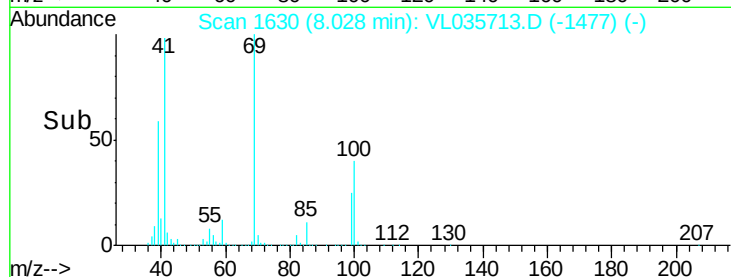
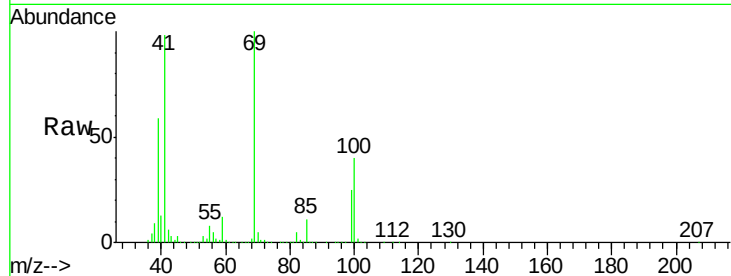
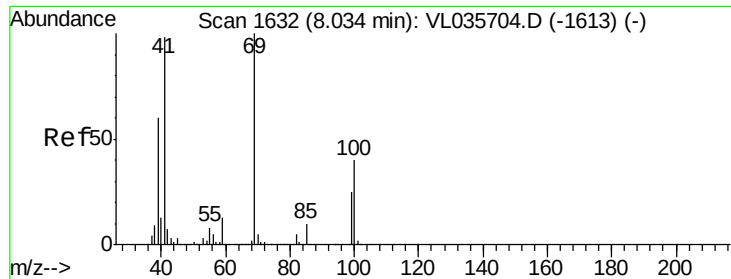
MMDadoda
9/24/2020 1:35:29 PM



#42
Bromodichloromethane
Concen: 10.281 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.4	80.0
127	9.5	7.8	11.6





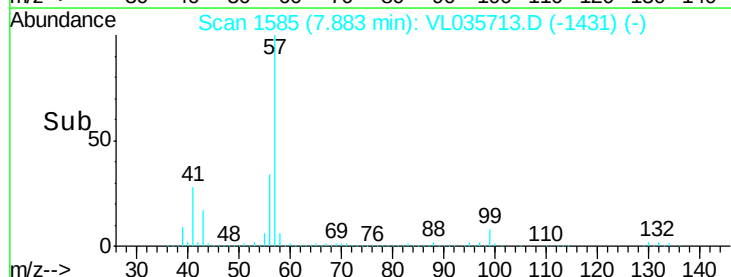
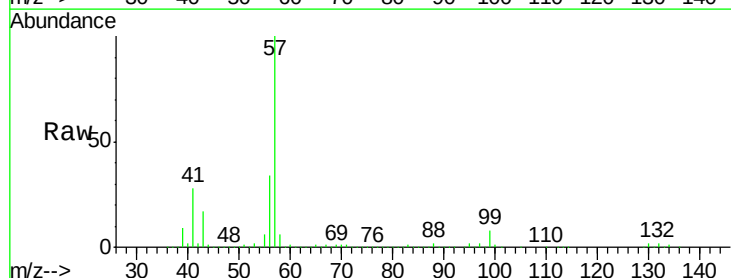
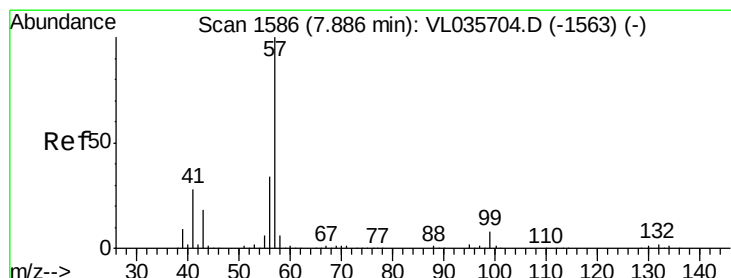
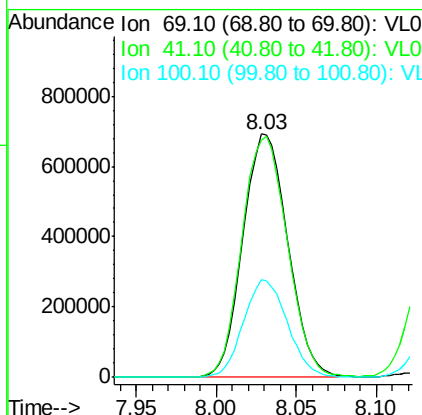
#43
Methyl Methacrylate
Concen: 11.135 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tot Ion: 69 Resp: 1332472
Ion Ratio Lower Upper
69 100
41 100.2 79.8 119.6
100 39.2 30.6 46.0

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

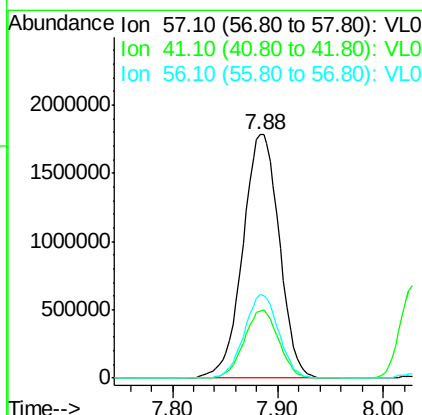
Manual Integrations
APPROVED

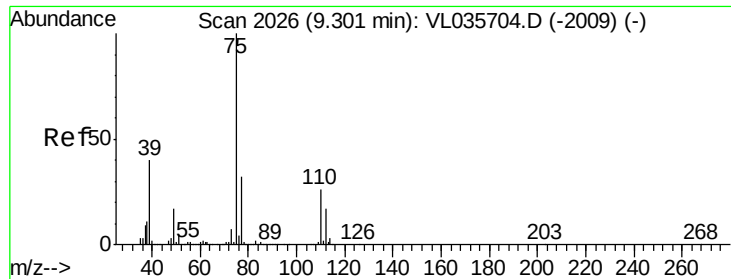
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.928 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion: 57 Resp: 4286333
Ion Ratio Lower Upper
57 100
41 26.5 21.2 31.8
56 32.3 25.8 38.8





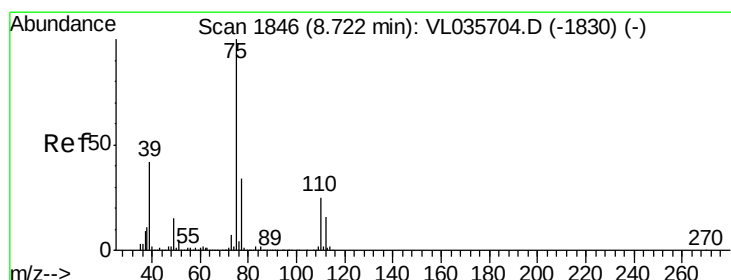
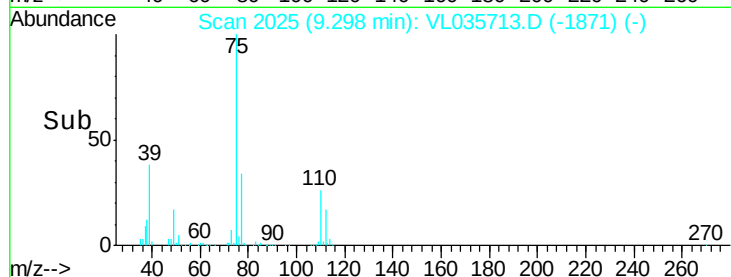
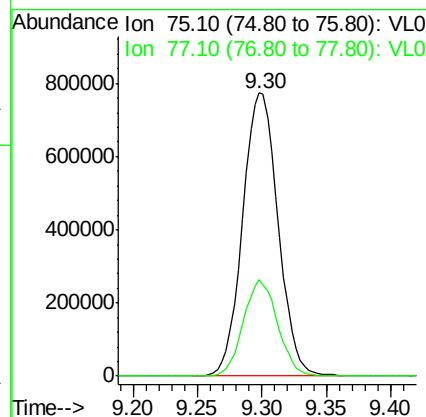
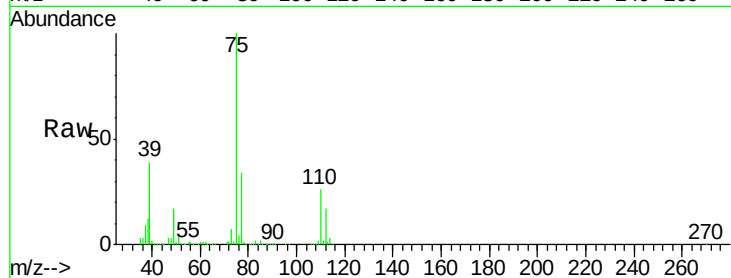
#45
 t-1,3-Dichloropropene
 Concen: 12.244 ppbv
 RT: 9.30 min Scan# 2025
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tot Ion: 75 Resp: 1479244
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.9 38.9

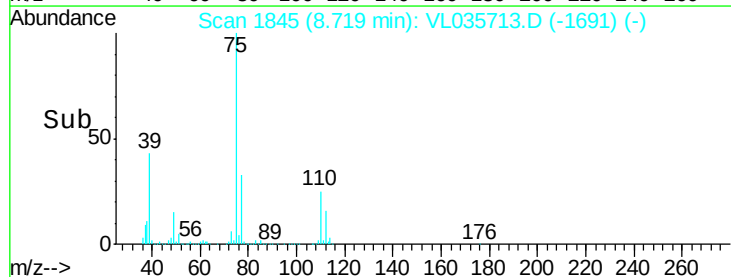
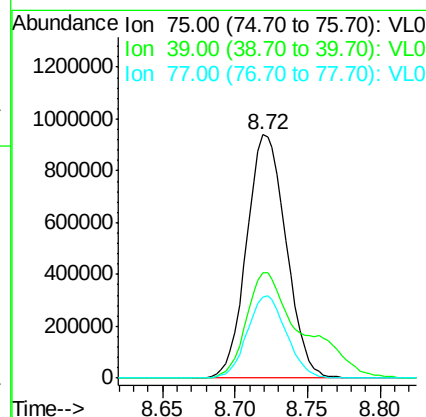
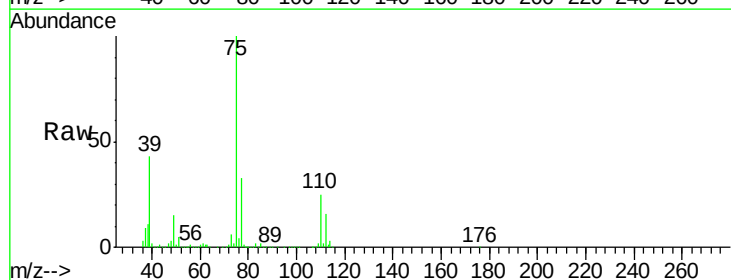
Manual Integrations
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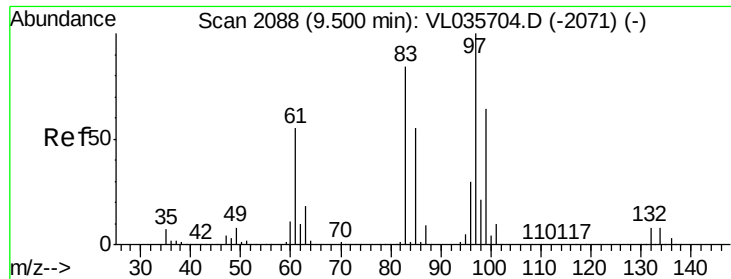
MMDadoda
 9/24/2020 1:35:29 PM



#46
 cis-1,3-Dichloropropene
 Concen: 11.970 ppbv
 RT: 8.72 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Tgt Ion: 75 Resp: 1782689
 Ion Ratio Lower Upper
 75 100
 39 43.3 33.9 50.9
 77 33.4 27.4 41.0





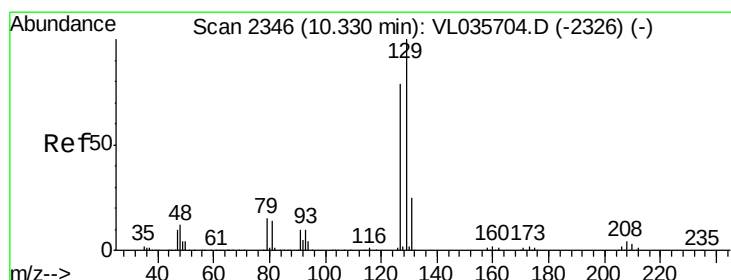
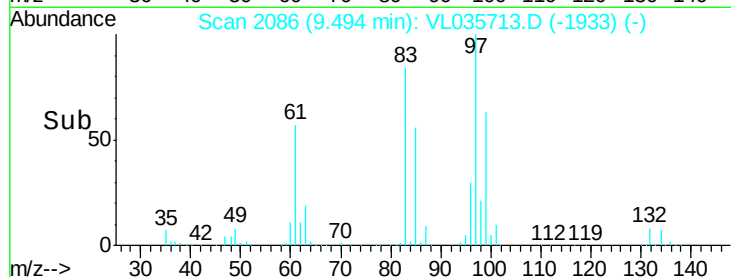
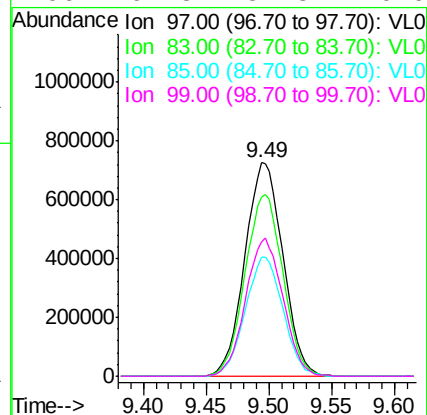
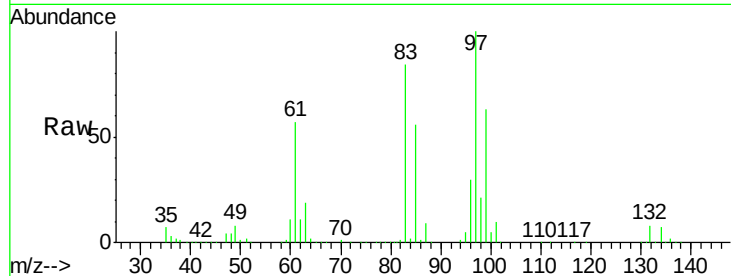
#47
 1,1,2-Trichloroethane
 Concen: 9.809 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. -0.01 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	83.7	67.1	100.7	
85	55.8	43.9	65.9	
99	62.8	51.3	76.9	

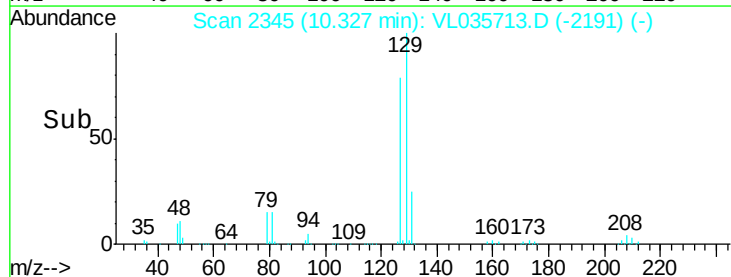
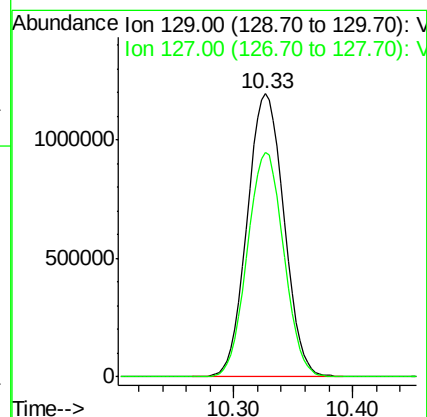
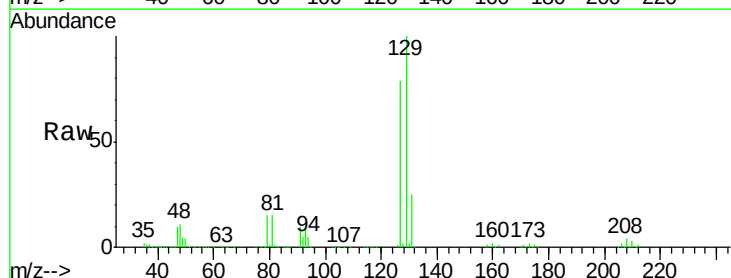
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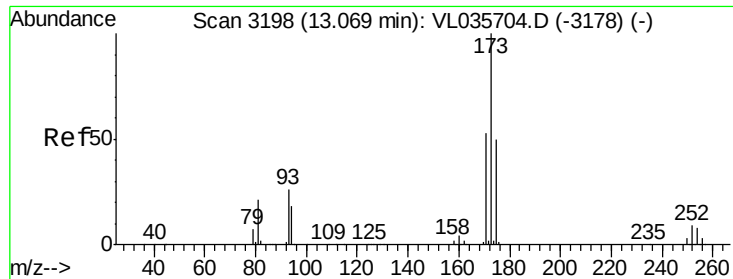
MMDadoda
 9/24/2020 1:35:29 PM



#48
 Dibromochloromethane
 Concen: 10.764 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.8	39.4	118.1	





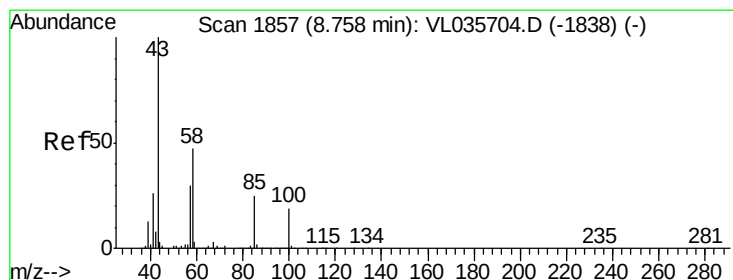
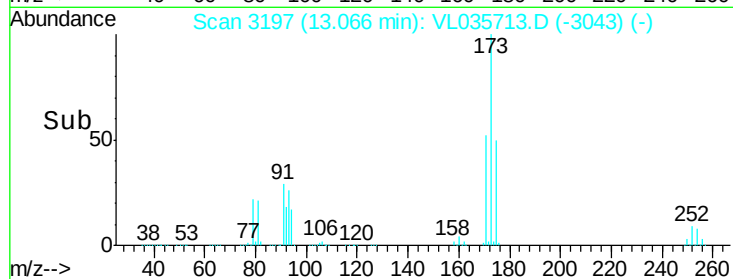
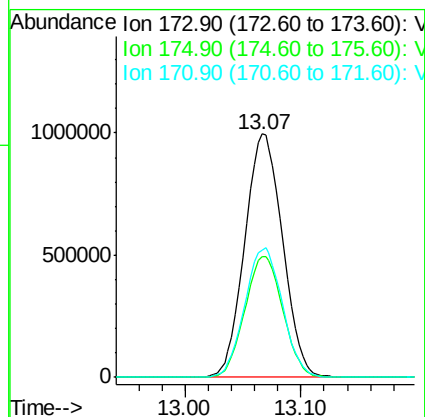
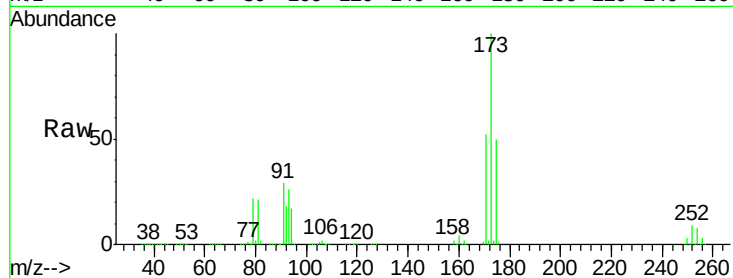
#49
Bromoform
Concen: 11.239 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tot Ion:173 Resp: 2267145
Ion Ratio Lower Upper
173 100
175 49.8 39.8 59.6
171 53.1 42.8 64.2

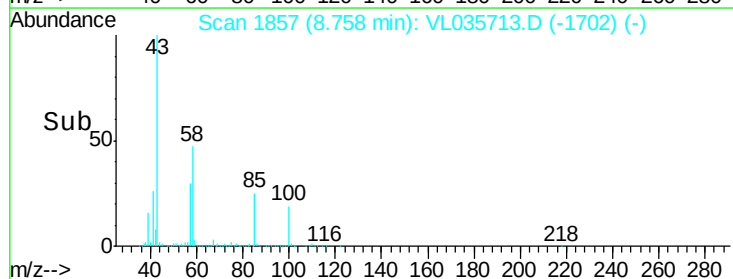
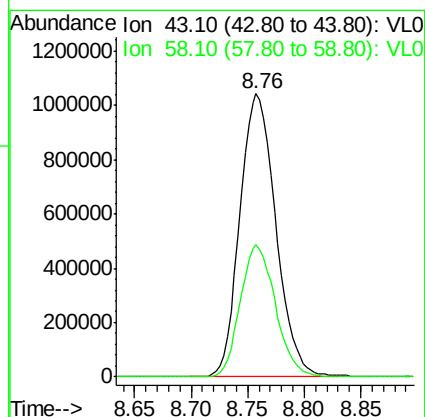
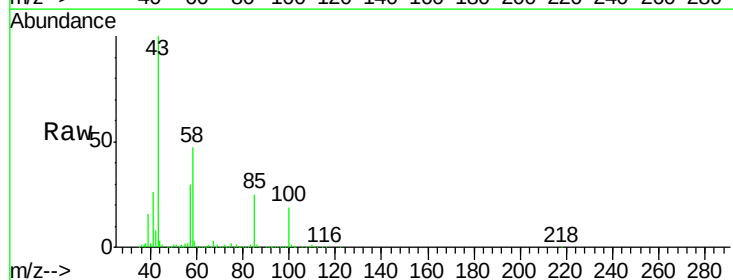
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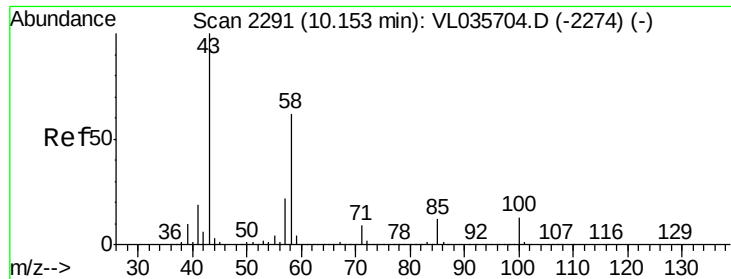
MMDadoda
9/24/2020 1:35:29 PM



#50
4-Methyl-2-Pentanone
Concen: 10.357 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion: 43 Resp: 2310466
Ion Ratio Lower Upper
43 100
58 45.7 36.6 54.8





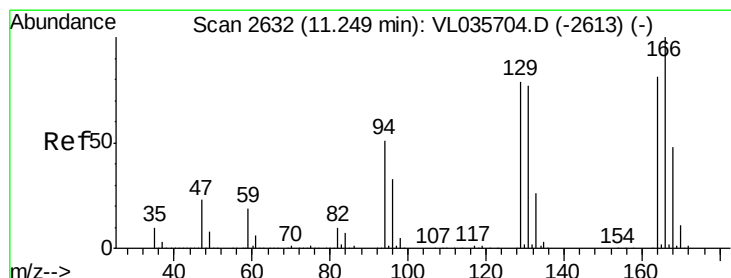
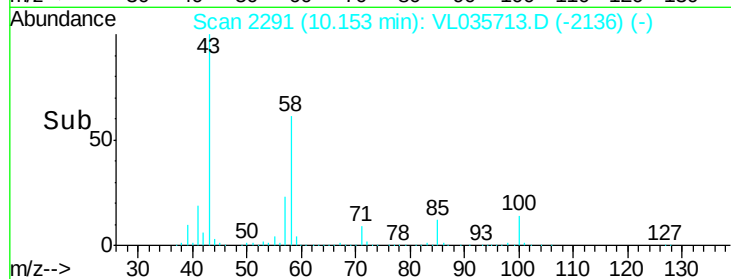
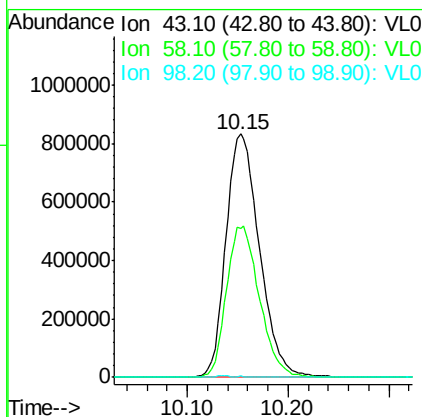
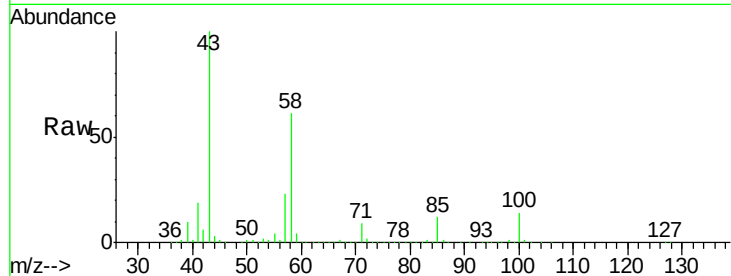
#51
2-Hexanone
Concen: 10.742 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tot Ion: 43 Resp: 1930614
Ion Ratio Lower Upper
43 100
58 61.1 48.7 73.1
98 0.8 0.7 1.1

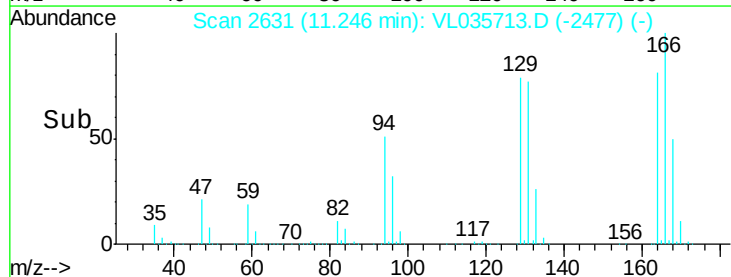
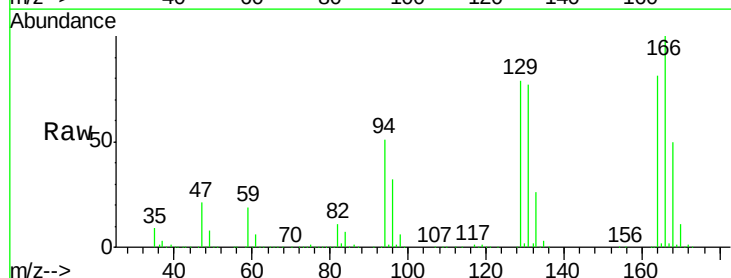
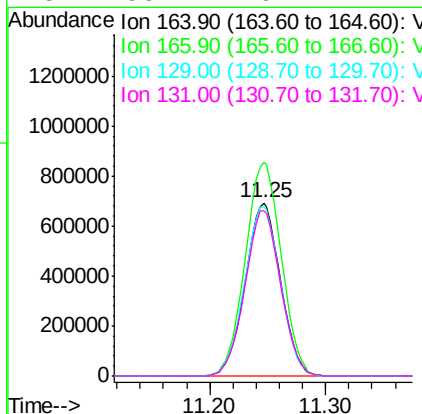
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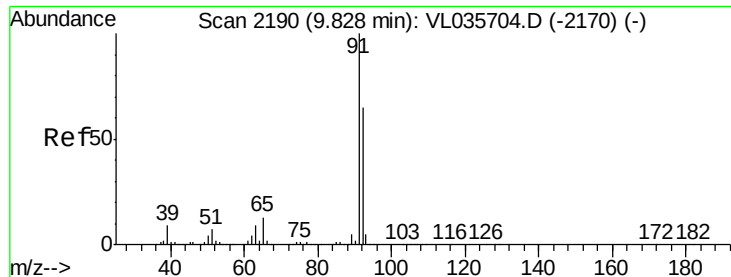
MMDadoda
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#52
Tetrachloroethene
Concen: 10.116 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion: 164 Resp: 1463766
Ion Ratio Lower Upper
164 100
166 123.5 98.7 148.1
129 98.1 78.4 117.6
131 95.7 76.2 114.2





#53

Toluene

Concen: 11.095 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tot Ion: 91 Resp: 3936546

Ion Ratio Lower Upper

91 100

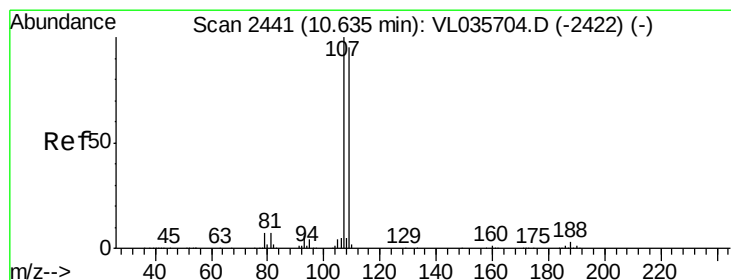
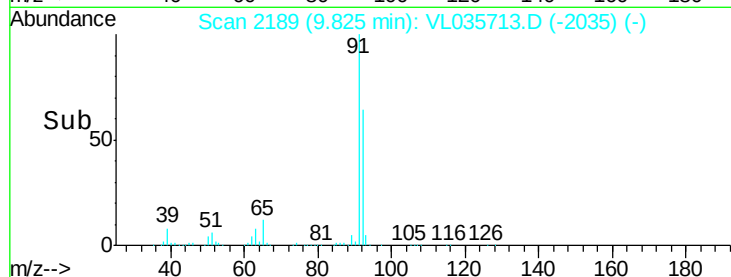
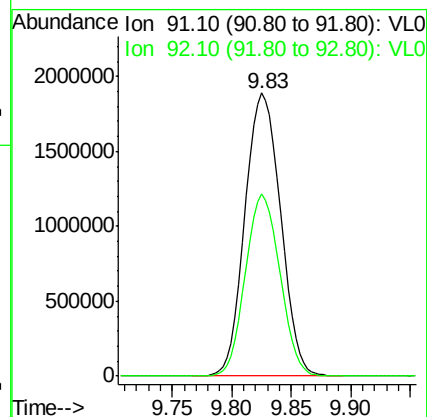
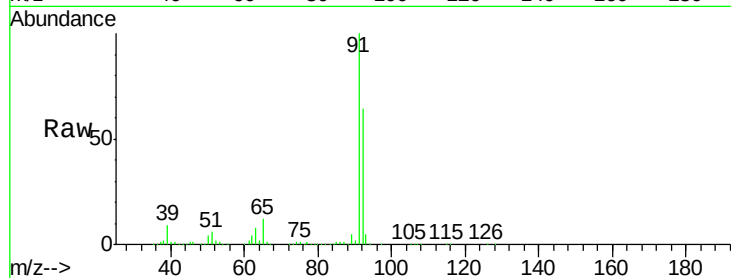
92 62.5 50.0 75.0

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.204 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VL035713.D

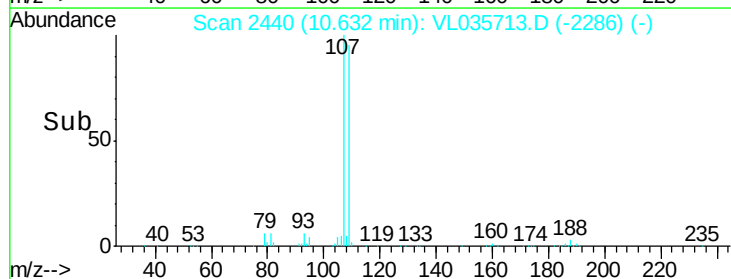
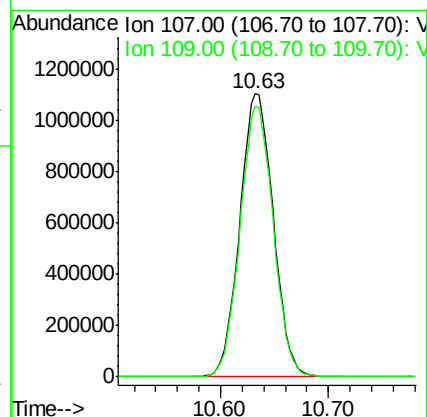
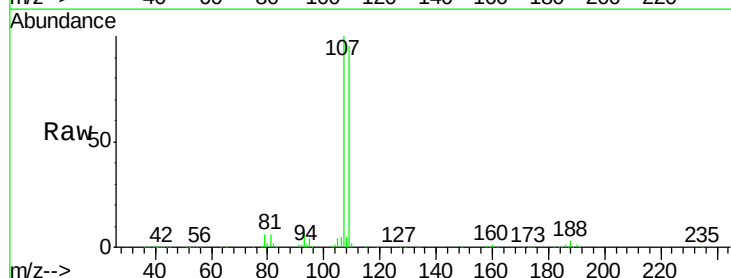
Acq: 23 Sep 2020 10:25

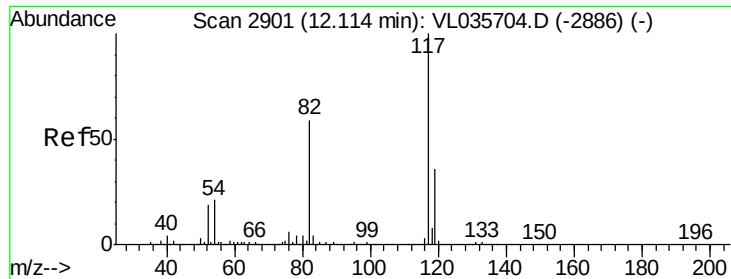
Tgt Ion: 107 Resp: 2386872

Ion Ratio Lower Upper

107 100

109 95.4 76.0 114.0





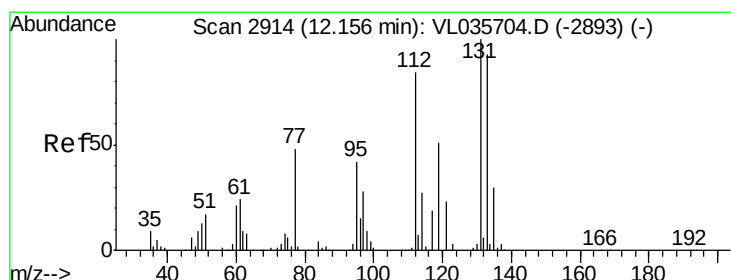
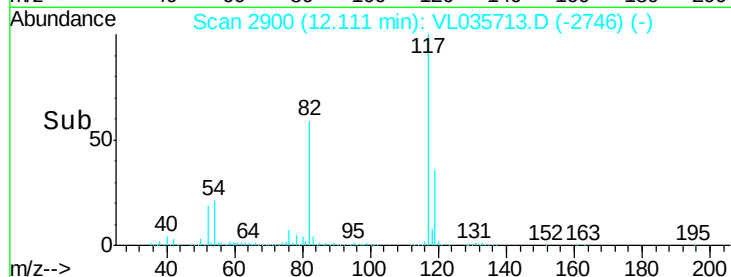
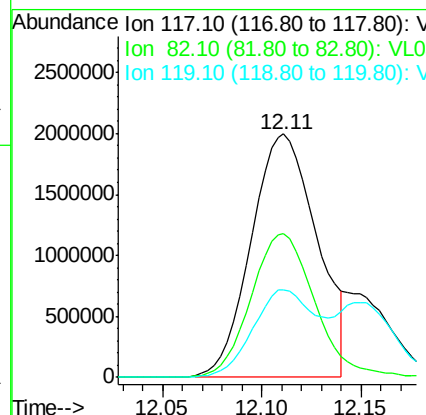
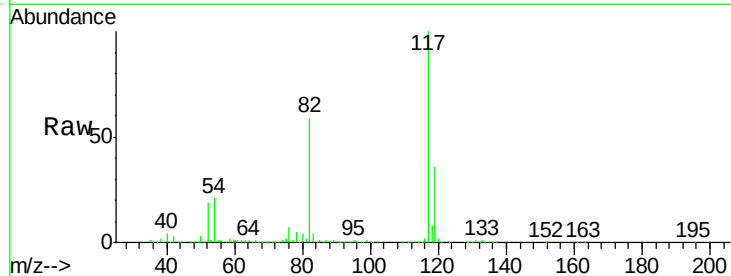
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tot Ion:117 Resp: 4664184
Ion Ratio Lower Upper
117 100
82 57.8 46.1 69.1
119 35.0 28.0 42.0

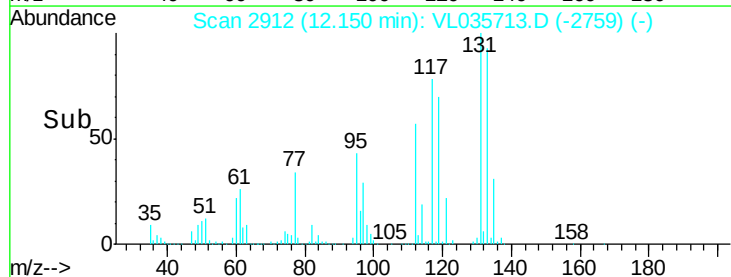
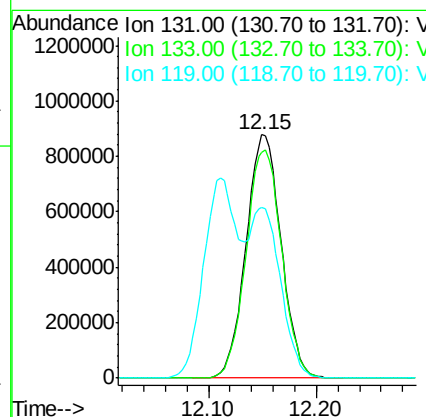
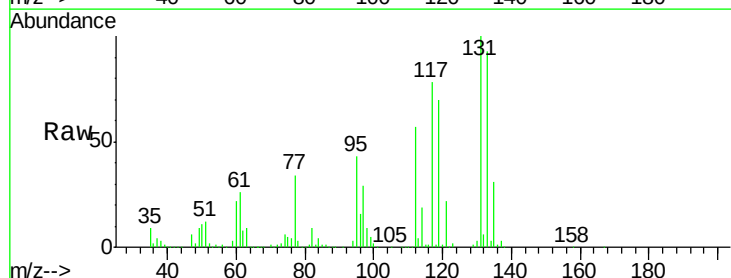
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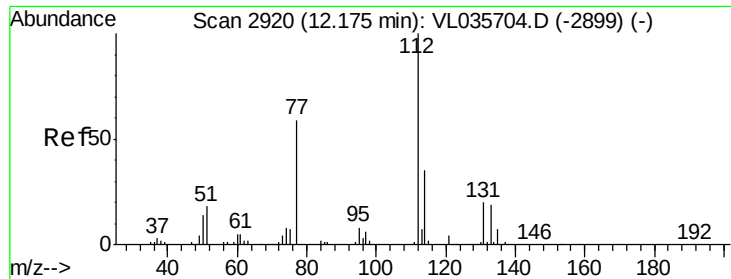
MMDadoda
9/24/2020 1:35:29 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.145 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion:131 Resp: 1984057
Ion Ratio Lower Upper
131 100
133 95.4 76.2 114.4
119 57.5 52.4 78.6





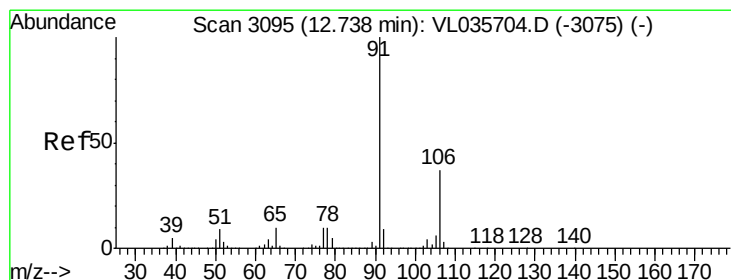
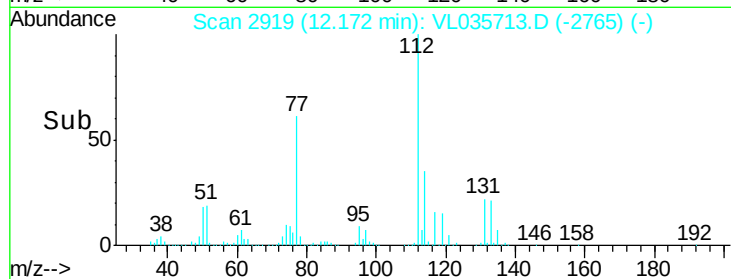
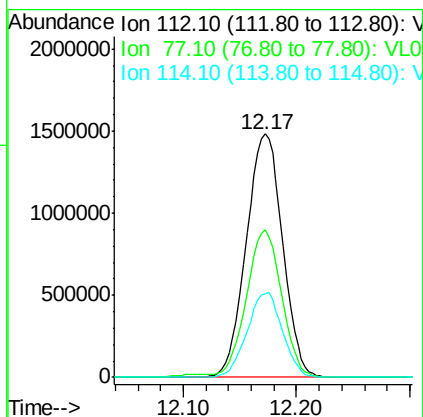
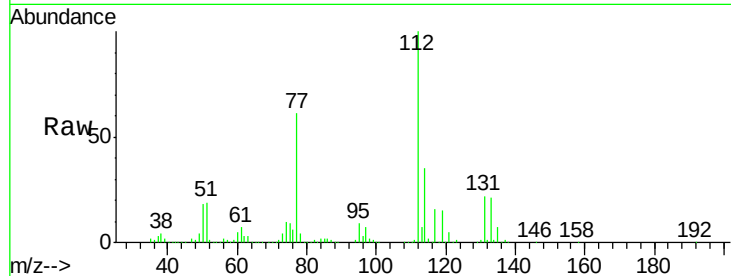
#57
Chlorobenzene
Concen: 9.404 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	60.4	48.2	72.2
114	34.5	31.9	39.1

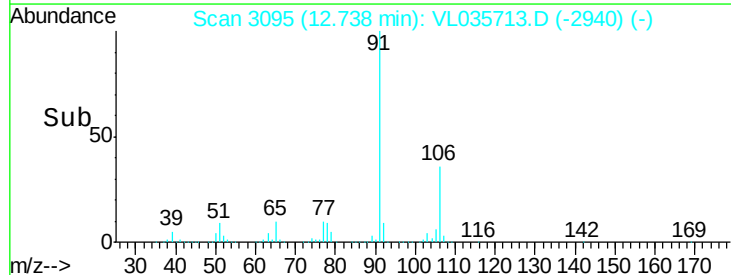
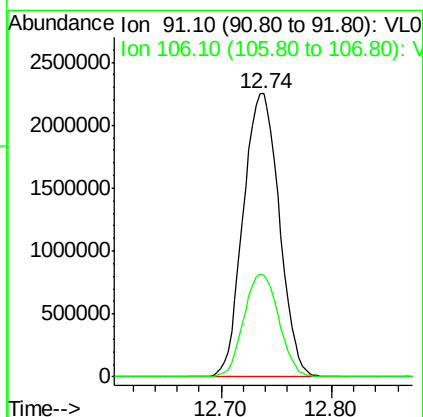
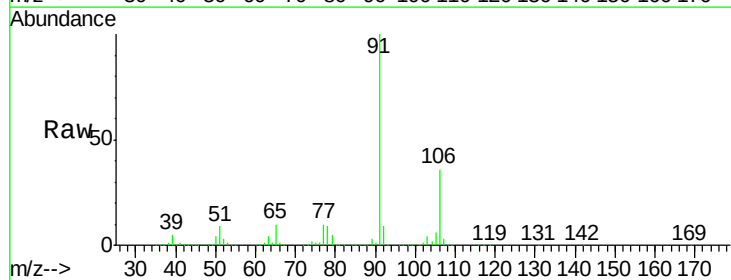
Manual Integrations
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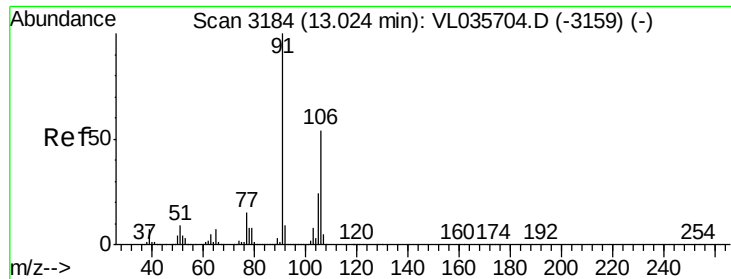
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#58
Ethyl Benzene
Concen: 10.889 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	36.1	29.7	44.5





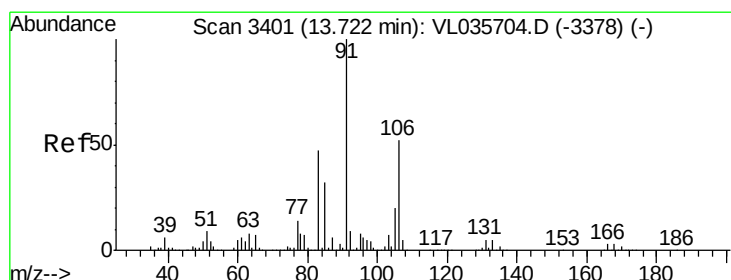
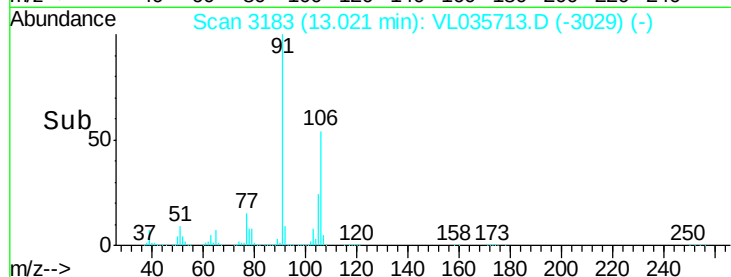
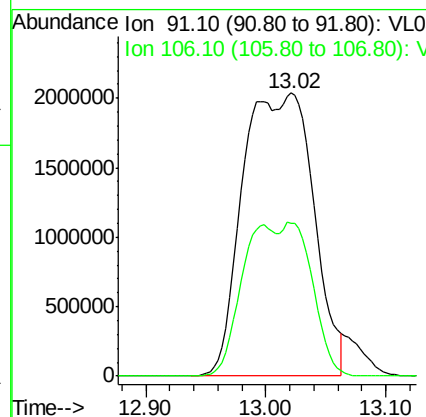
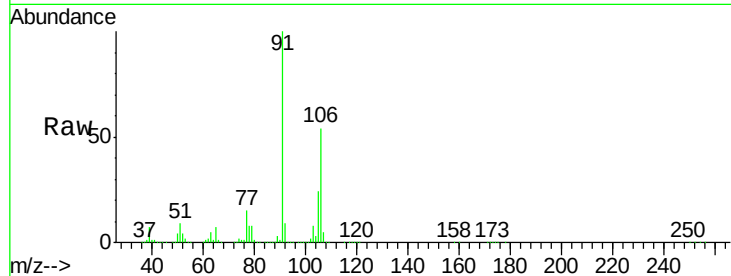
#59
m/p-Xylene
Concen: 20.480 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tot Ion: 91 Resp: 8372612
Ion Ratio Lower Upper
91 100
106 52.2 41.4 62.0

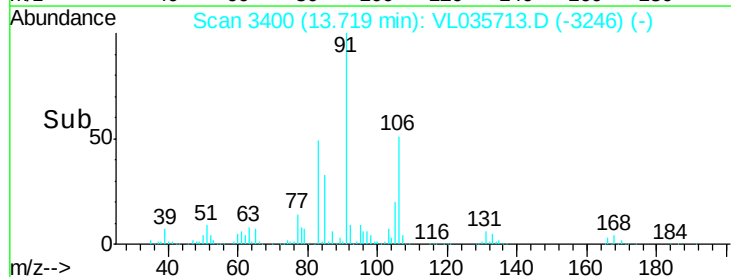
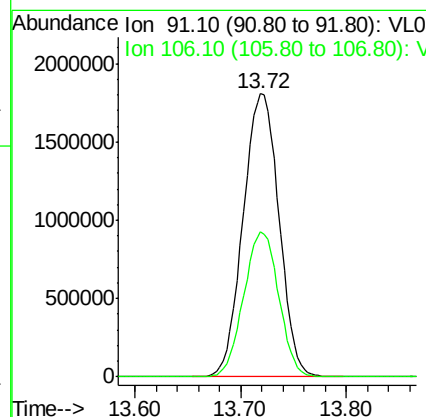
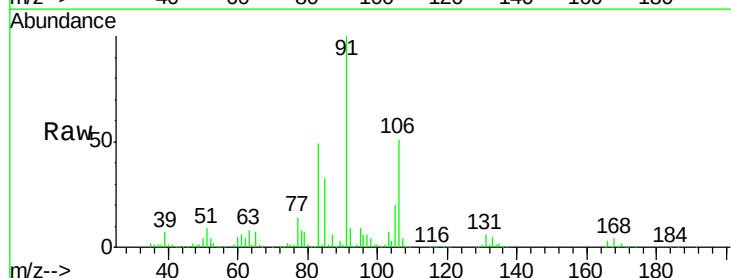
Manual Integrations
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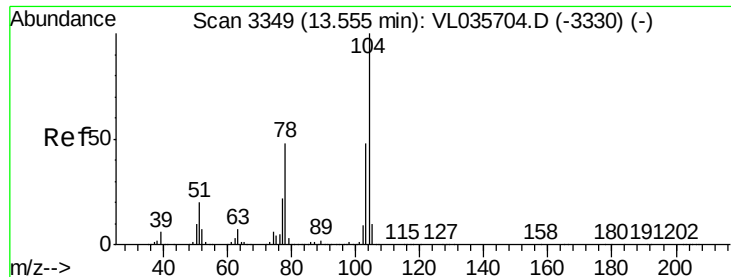
MMDadoda
9/24/2020 1:35:29 PM



#60
o-Xylene
Concen: 10.334 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion: 91 Resp: 4273688
Ion Ratio Lower Upper
91 100
106 50.1 25.0 75.0





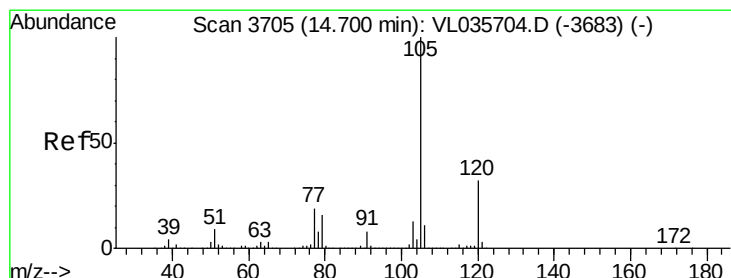
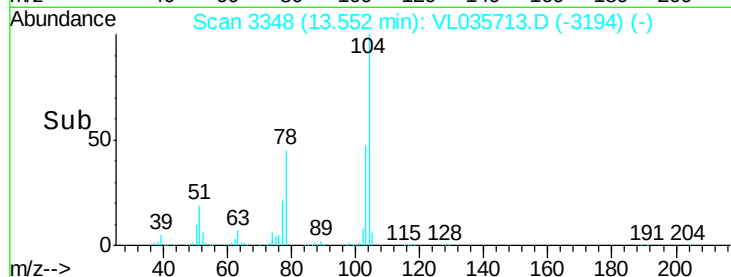
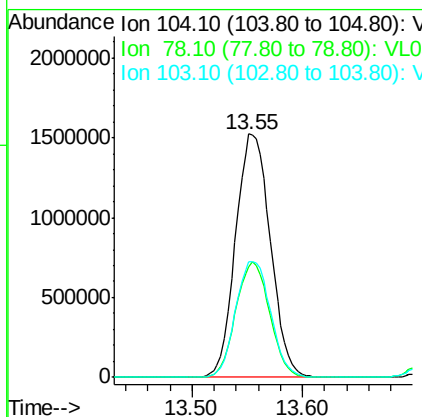
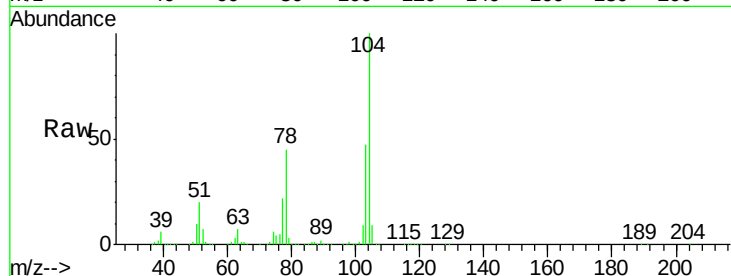
#61
Stvrene
Concen: 11.658 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.1	37.2	55.8
103	47.7	38.2	57.2

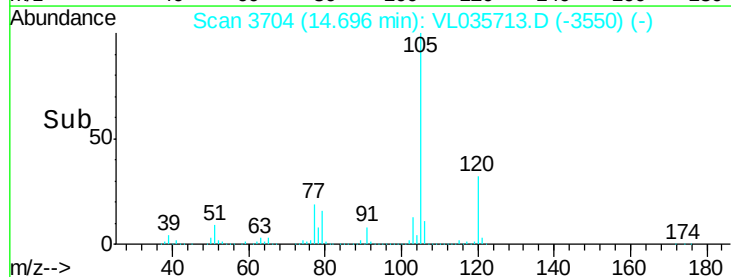
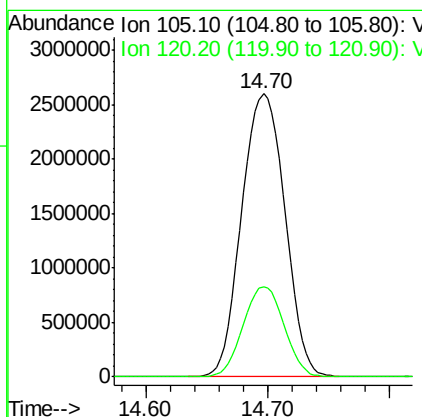
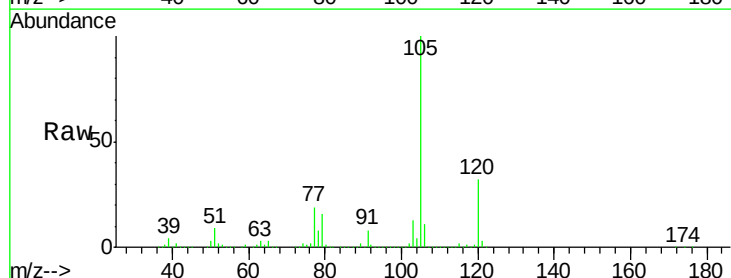
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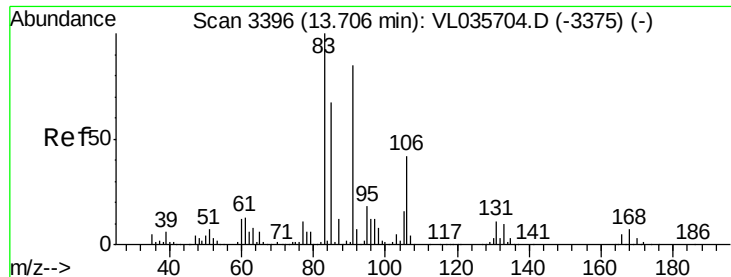
MMDadoda
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#62
Isopropylbenzene
Concen: 9.988 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.1	24.1	36.1





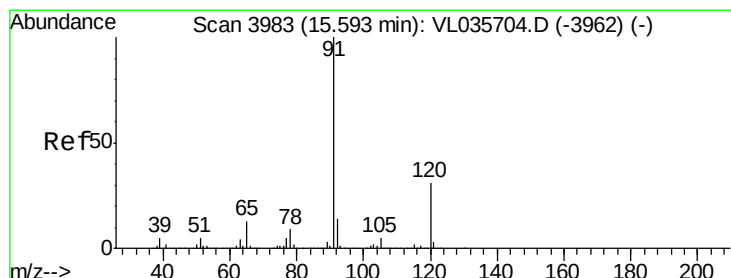
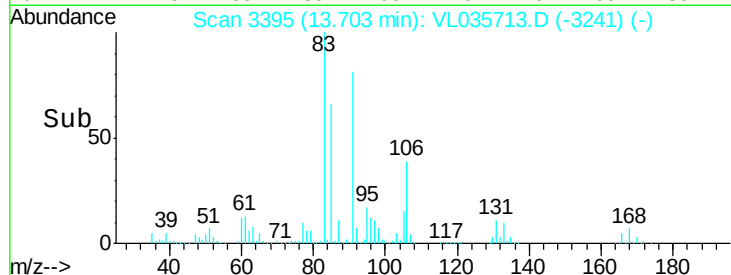
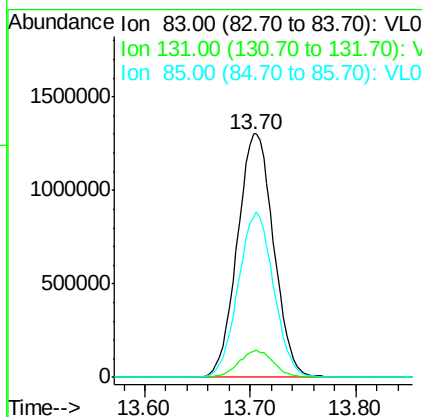
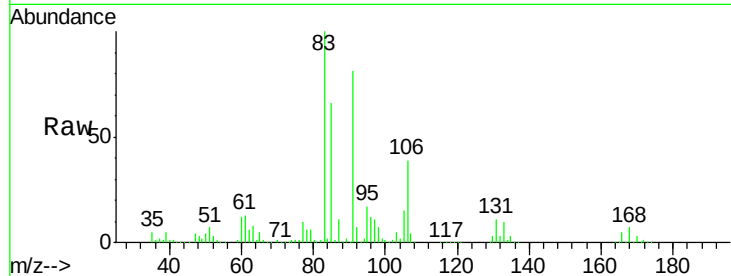
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.177 ppbv
 RT: 13.70 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tot Ion: 83 Resp: 3112173
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.3 16.1
 85 66.6 33.4 100.2

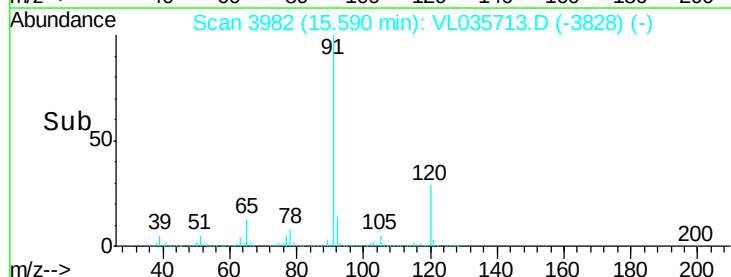
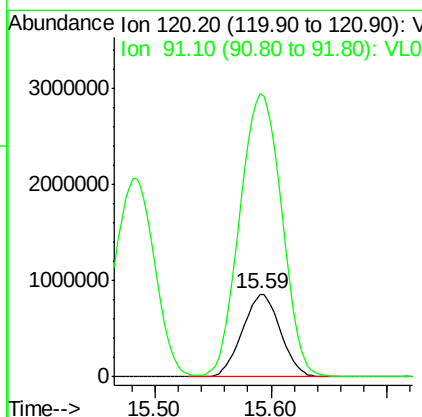
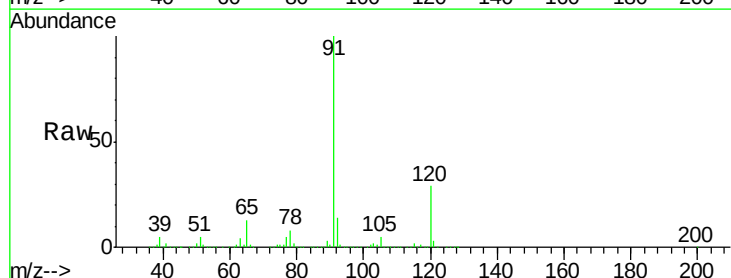
Manual Integrations
 APPROVED

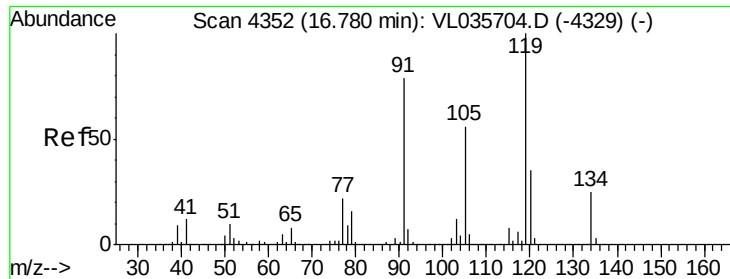
MMDadoda
 9/24/2020 1:35:29 PM



#64
 n-propylbenzene
 Concen: 10.464 ppbv
 RT: 15.59 min Scan# 3982
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Tgt Ion:120 Resp: 1964579
 Ion Ratio Lower Upper
 120 100
 91 378.1 300.4 450.6





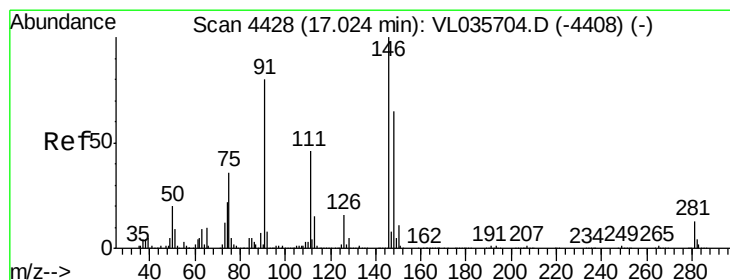
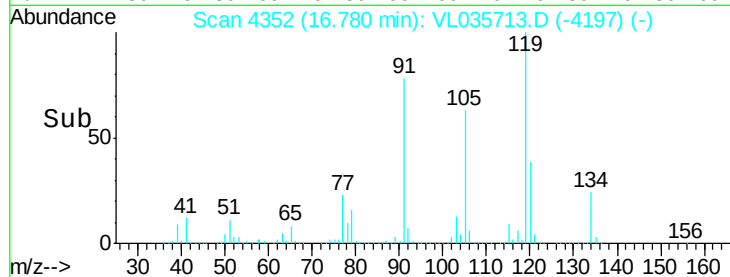
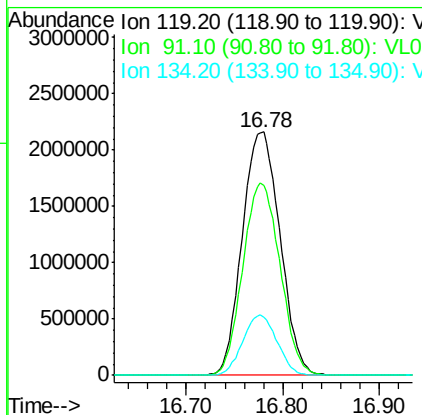
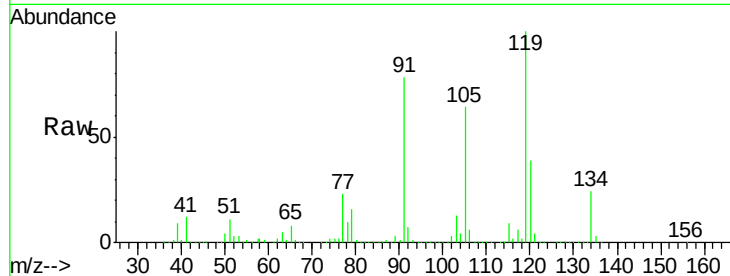
#65
 tert-Butylbenzene
 Concen: 10.072 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tot Ion:119 Resp: 5873818
 Ion Ratio Lower Upper
 119 100
 91 77.8 62.4 93.6
 134 22.5 18.2 27.2

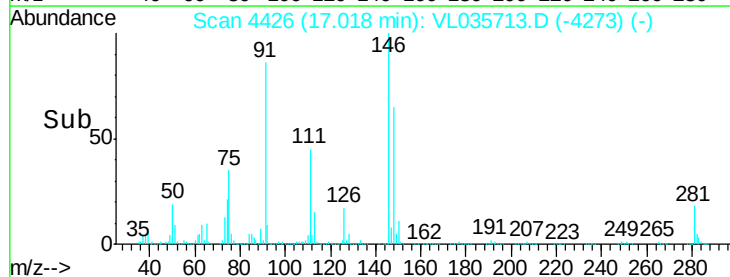
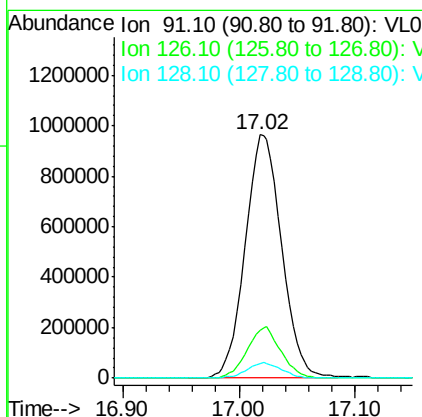
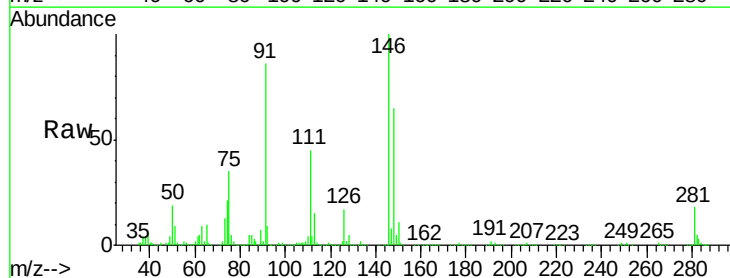
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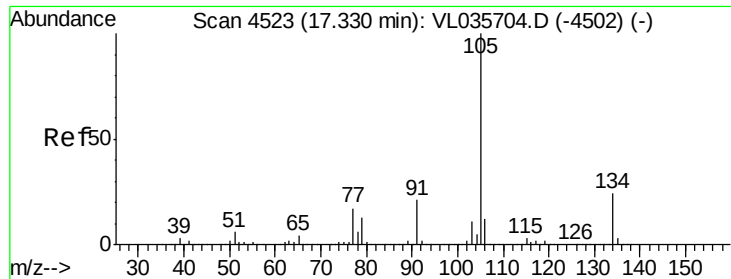
MMDadoda
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#66
 Benzyl Chloride
 Concen: 11.895 ppbv
 RT: 17.02 min Scan# 4426
 Delta R.T. -0.01 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Tgt Ion: 91 Resp: 2101894
 Ion Ratio Lower Upper
 91 100
 126 19.5 15.3 22.9
 128 6.1 5.0 7.4





#67

sec-Butylbenzene

Concen: 9.772 ppbv

RT: 17.33 min Scan# 4522

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tot Ion:105 Resp: 7869911

Ion Ratio Lower Upper

105 100

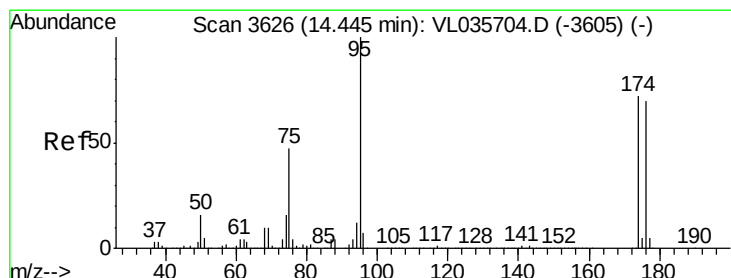
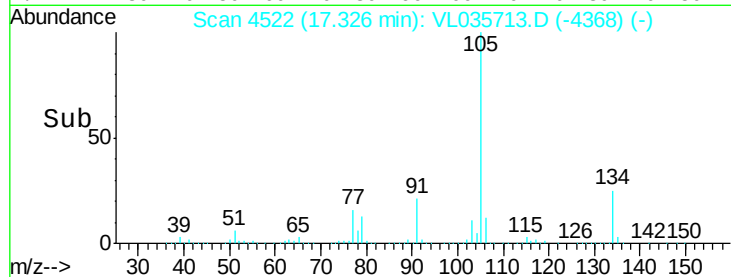
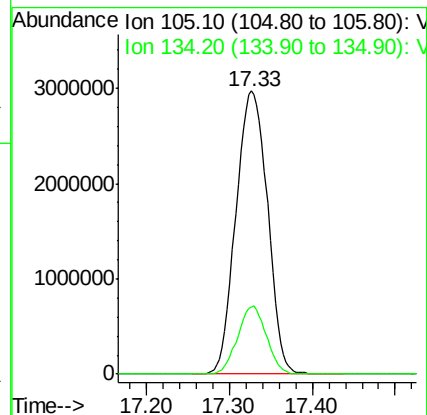
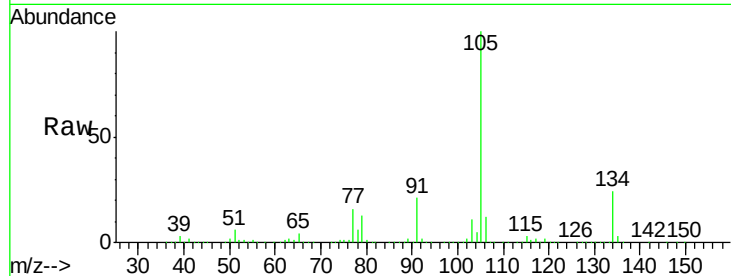
134 21.9 17.6 26.4

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.043 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

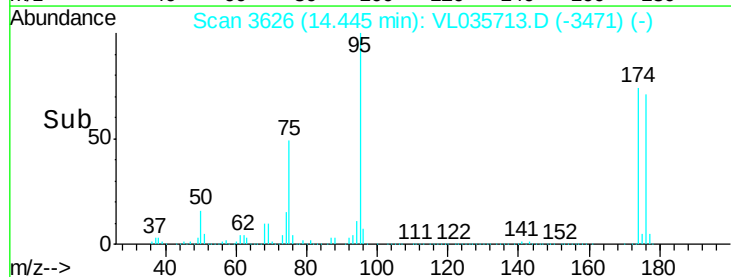
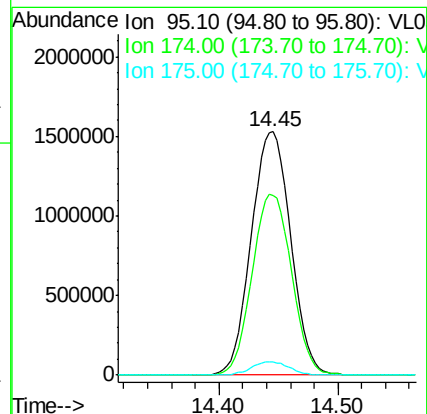
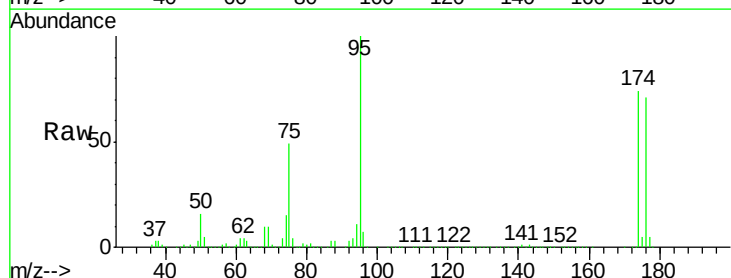
Tgt Ion: 95 Resp: 3510012

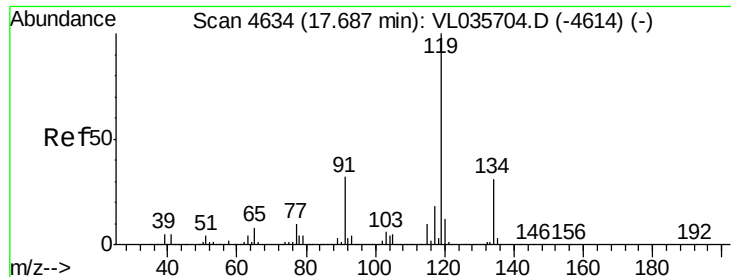
Ion Ratio Lower Upper

95 100

174 74.6 59.6 89.4

175 5.3 4.2 6.4





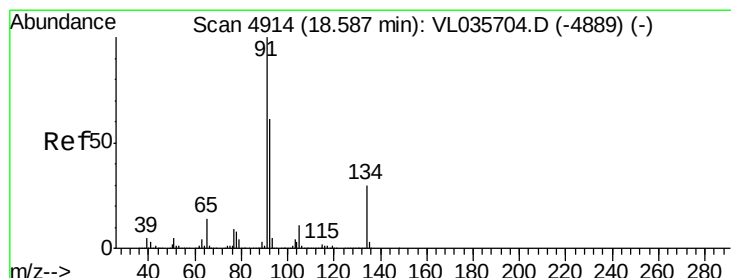
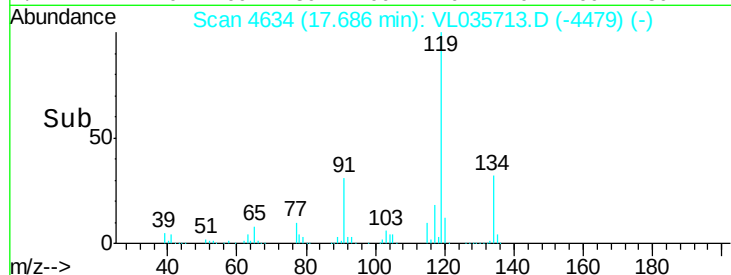
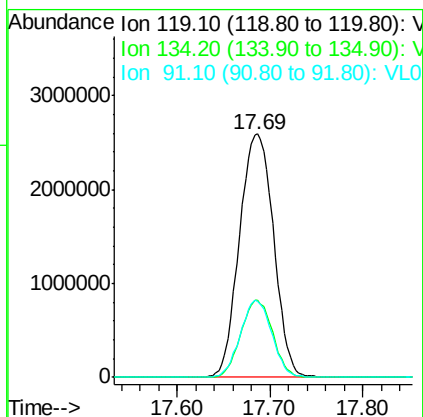
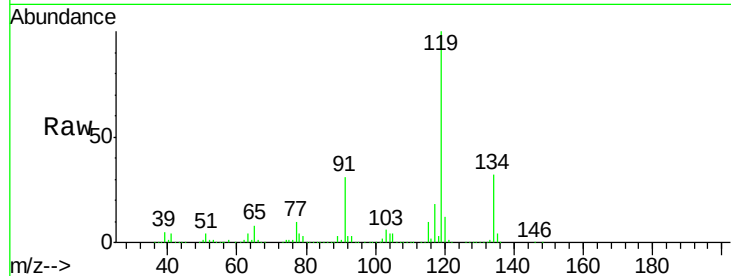
#69
 p-Isopropyltoluene
 Concen: 10.090 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.7	23.9	35.9
91	29.3	23.8	35.6

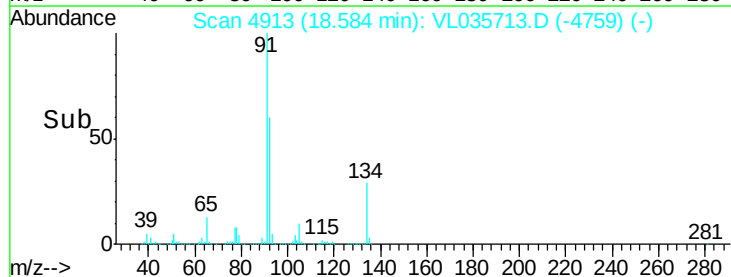
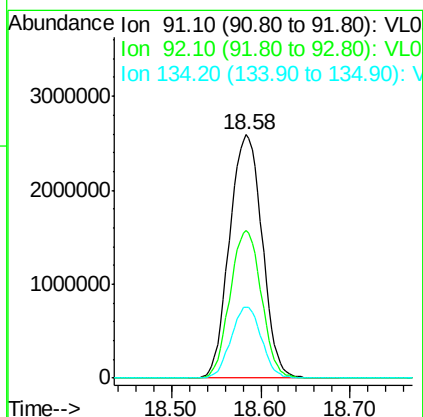
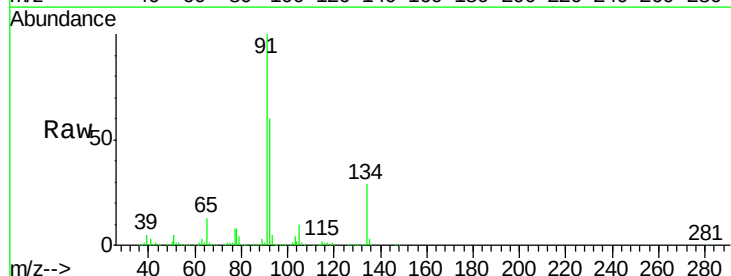
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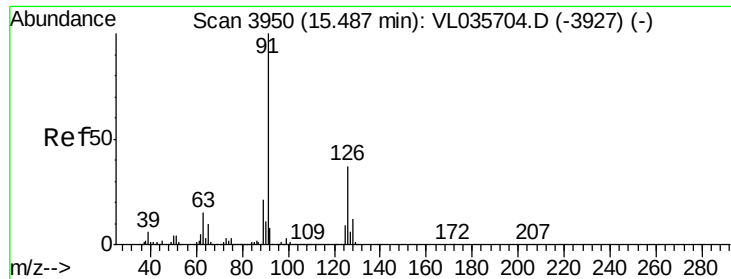
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#70
 n-Butylbenzene
 Concen: 9.733 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.3	47.0	70.4
134	27.3	21.9	32.9





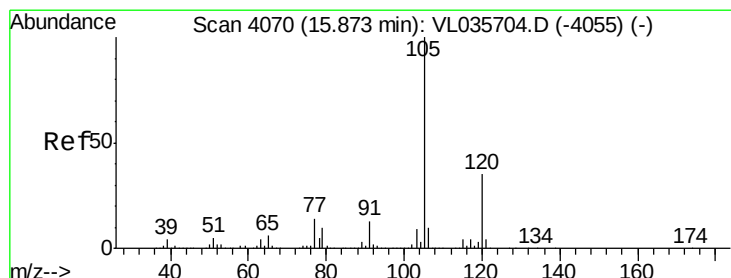
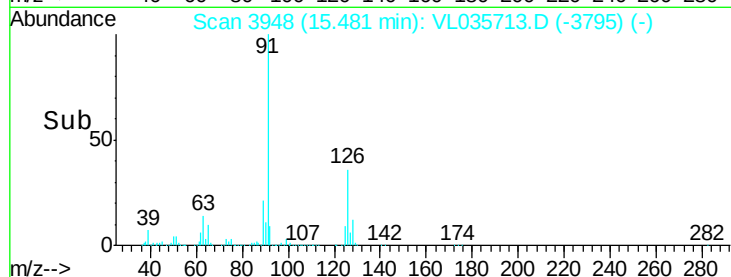
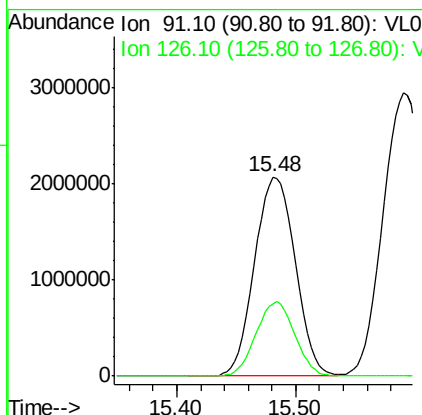
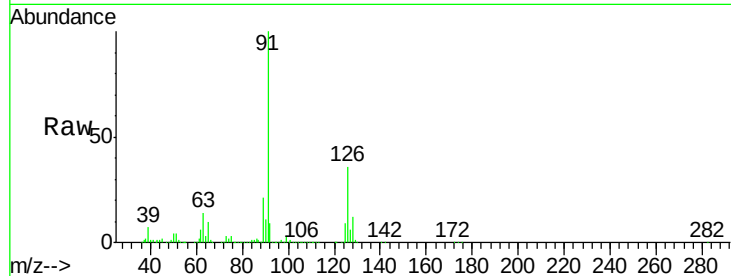
#71
 2-Chlorotoluene
 Concen: 10.471 ppbv
 RT: 15.48 min Scan# 3948
 Delta R.T. -0.01 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tot Ion: 91 Resp: 4899093
 Ion Ratio Lower Upper
 91 100
 126 35.7 14.4 57.4

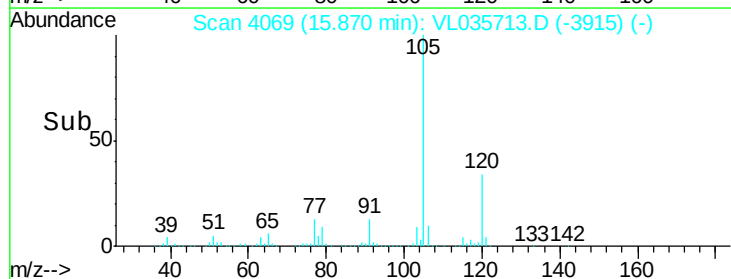
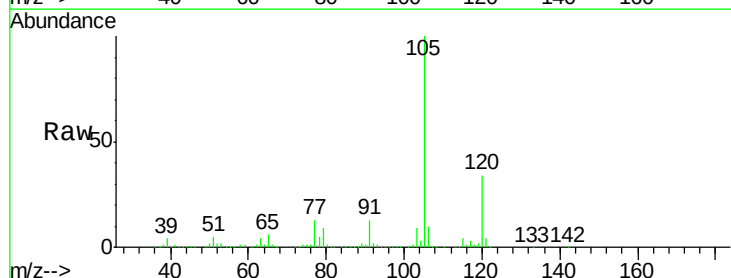
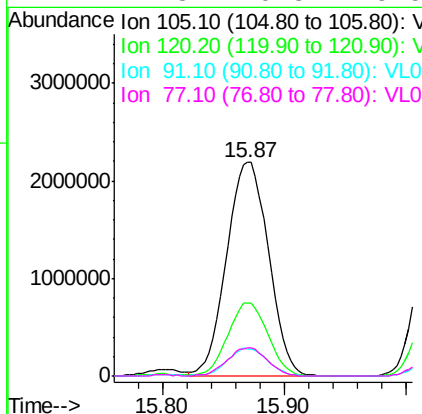
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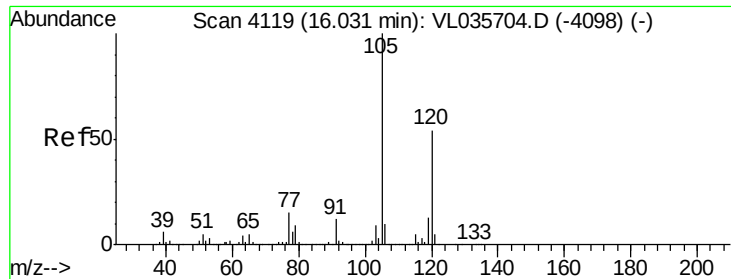
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#72
 4-Ethyltoluene
 Concen: 10.644 ppbv
 RT: 15.87 min Scan# 4069
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Tgt Ion: 105 Resp: 5214369
 Ion Ratio Lower Upper
 105 100
 120 32.8 26.5 39.7
 91 12.5 10.2 15.2
 77 12.8 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 10.445 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tot Ion:105 Resp: 4835540

Ion Ratio Lower Upper

105 100

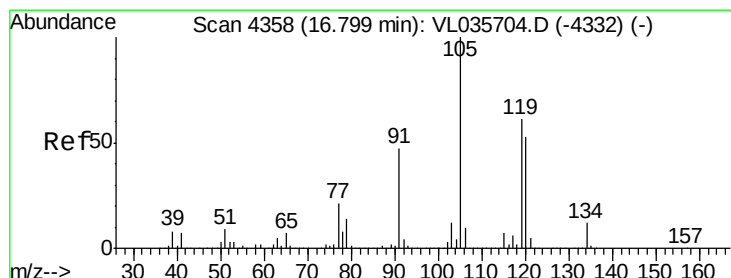
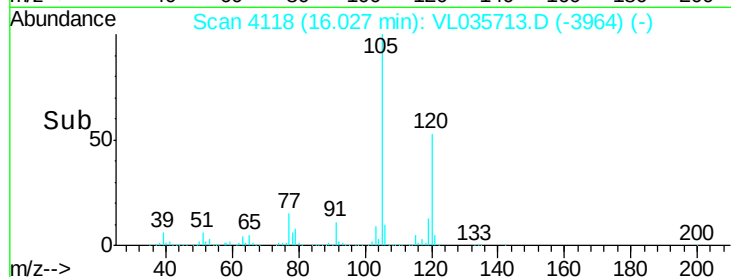
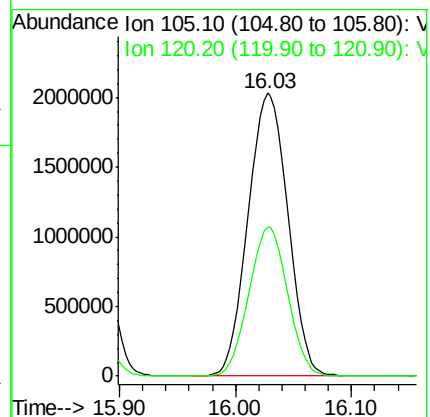
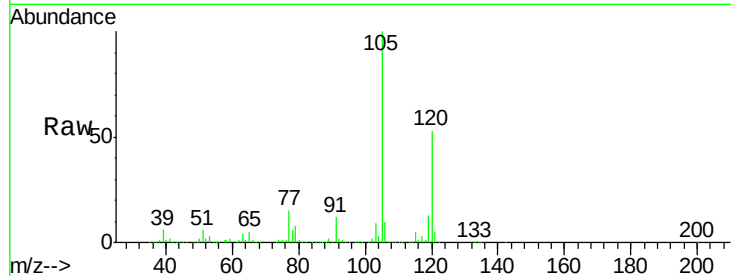
120 52.8 43.0 64.4

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#74

1,2,4-Trimethylbenzene

Concen: 9.649 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Tgt Ion:105 Resp: 5035381

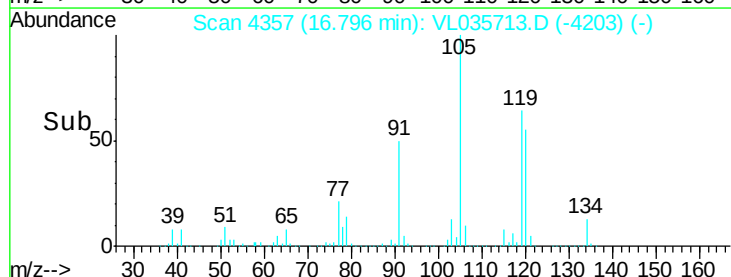
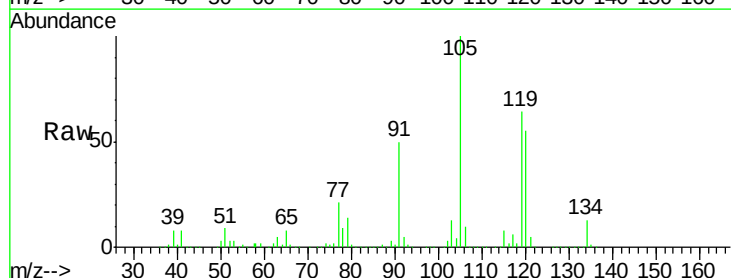
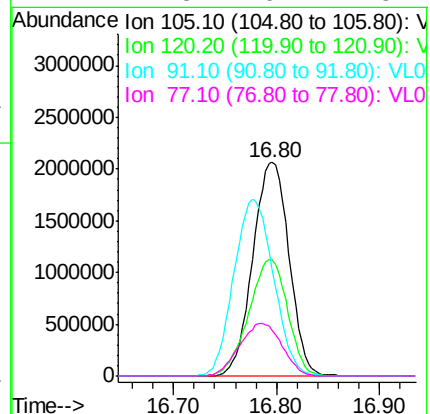
Ion Ratio Lower Upper

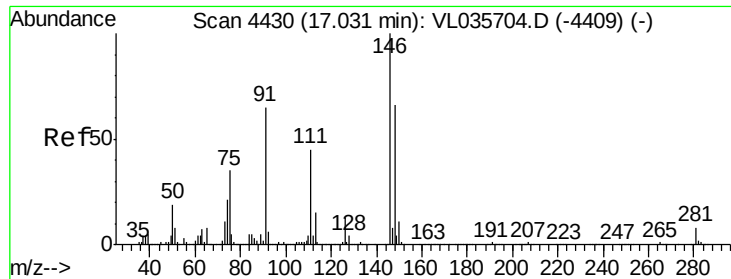
105 100

120 54.8 42.5 63.7

91 50.1 37.7 56.5

77 21.3 16.7 25.1





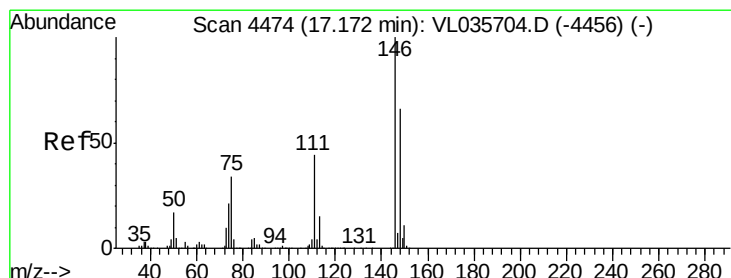
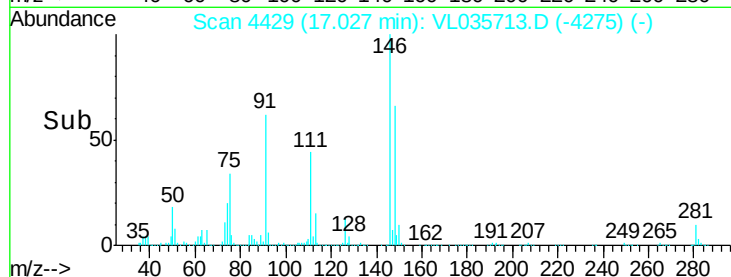
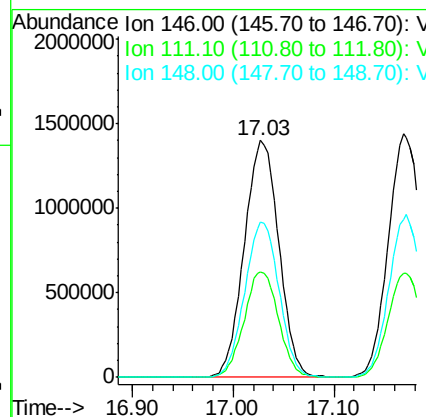
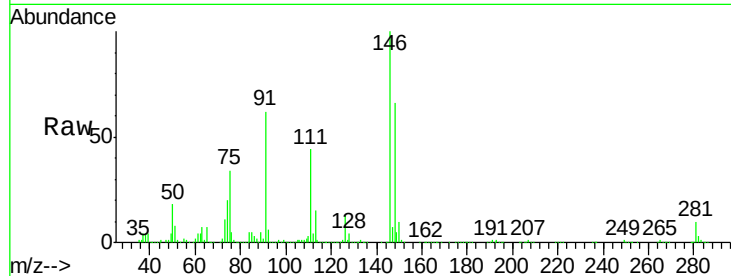
#75
 1,3-Dichlorobenzene
 Concen: 9.342 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.4	67.0
148	65.1	33.0	99.0

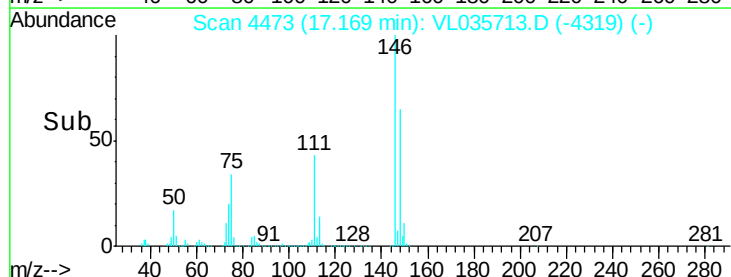
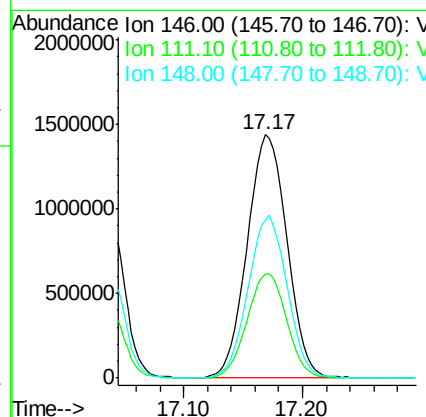
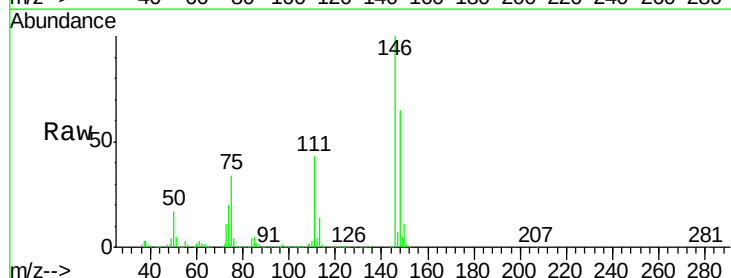
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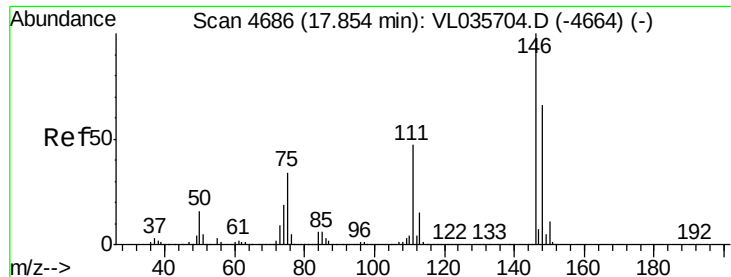
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#76
 1,4-Dichlorobenzene
 Concen: 9.723 ppbv
 RT: 17.17 min Scan# 4473
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.4	64.3
148	66.0	32.6	98.0





#77

1,2-Dichlorobenzene

Concen: 9.637 ppbv

RT: 17.85 min Scan# 4684

Delta R.T. -0.01 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tot Ion:146 Resp: 3243065

Ion Ratio Lower Upper

146 100

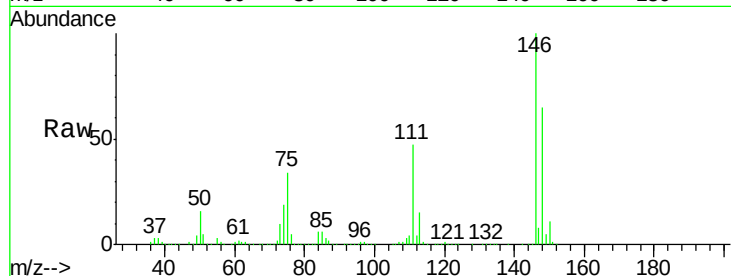
111 45.4 22.9 68.5

148 65.2 32.6 98.0

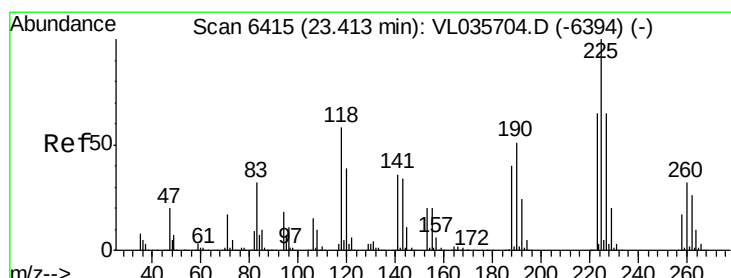
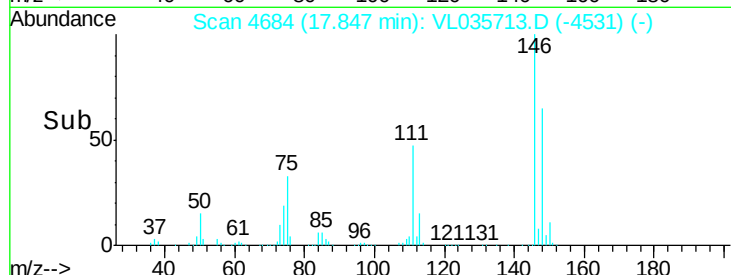
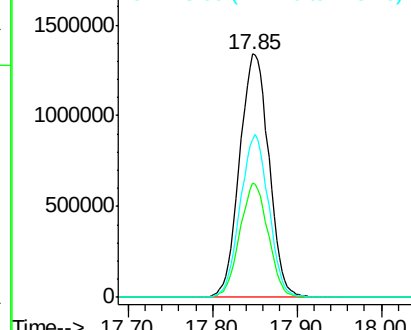
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.362 ppbv

RT: 23.41 min Scan# 6415

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

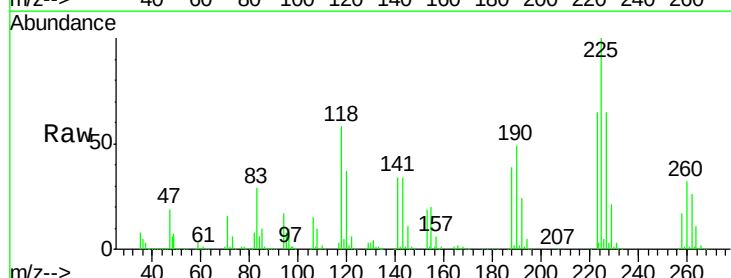
Tgt Ion:225 Resp: 1738311

Ion Ratio Lower Upper

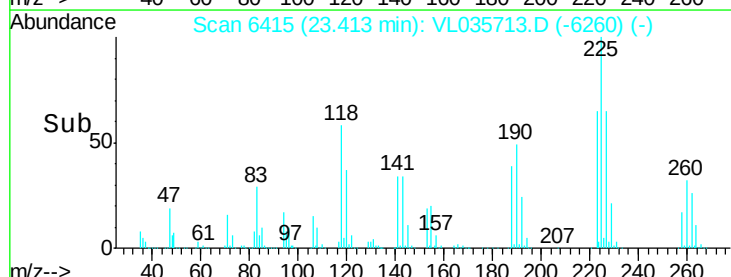
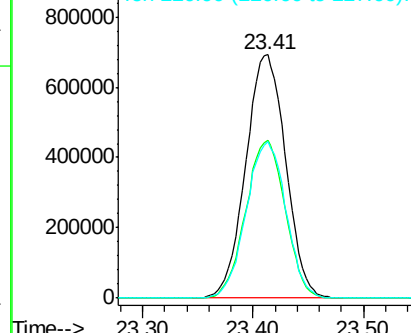
225 100

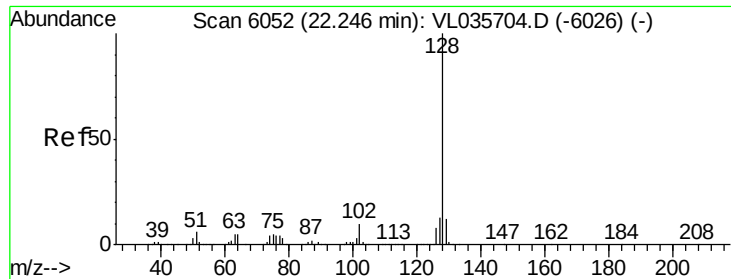
223 64.3 51.3 76.9

227 64.0 51.6 77.4



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.731 ppbv

RT: 22.24 min Scan# 6050

Delta R.T. -0.01 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tot Ion:128 Resp: 4843823

Ion Ratio Lower Upper

128 100

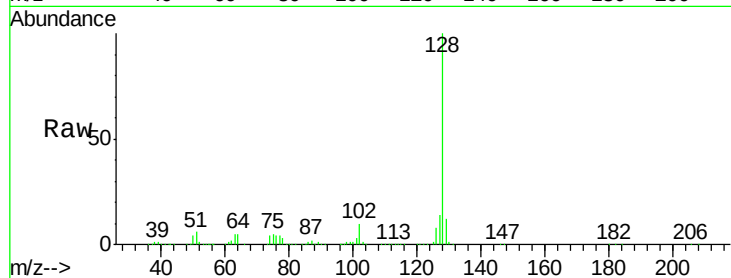
127 13.6 10.6 15.8

129 12.3 9.4 14.0

Manual Integrations
APPROVED

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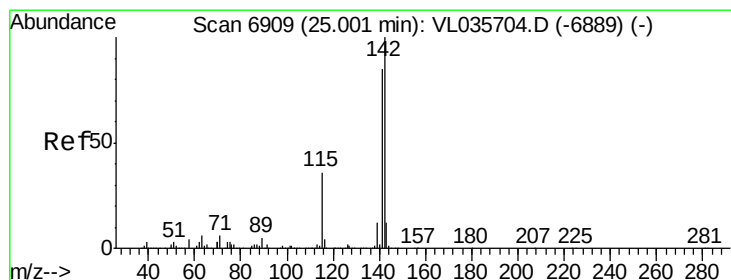
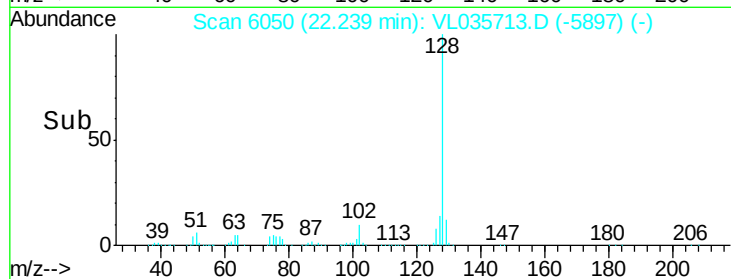
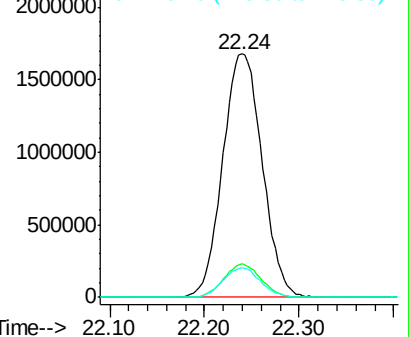
9/24/2020 1:35:29 PM



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: 10.784 ppbv

RT: 25.00 min Scan# 6909

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

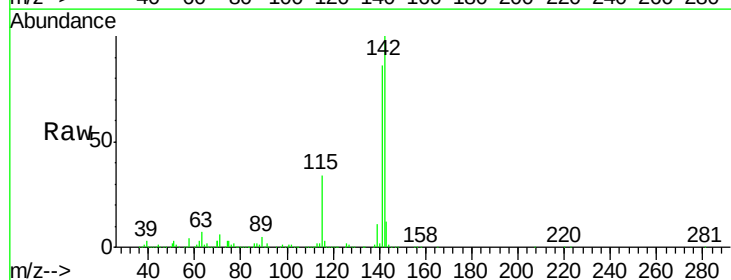
Tgt Ion:142 Resp: 1266152

Ion Ratio Lower Upper

142 100

141 84.4 68.2 102.4

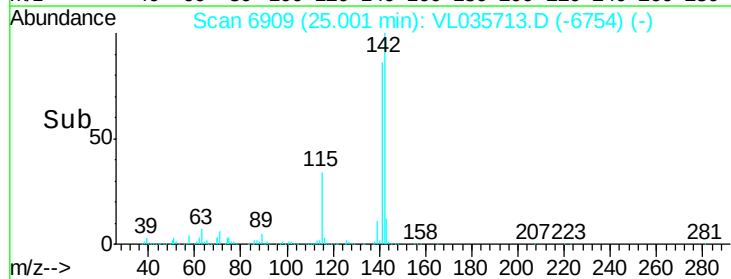
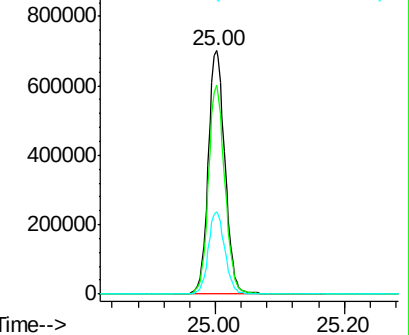
115 33.5 27.8 41.6

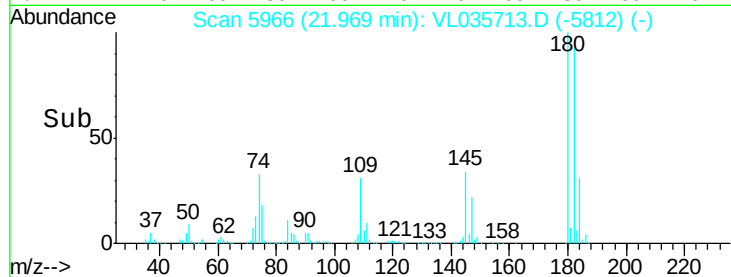
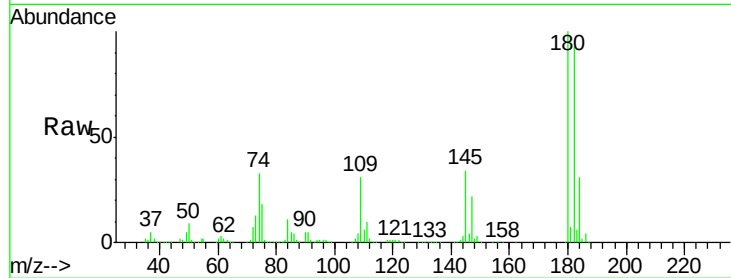
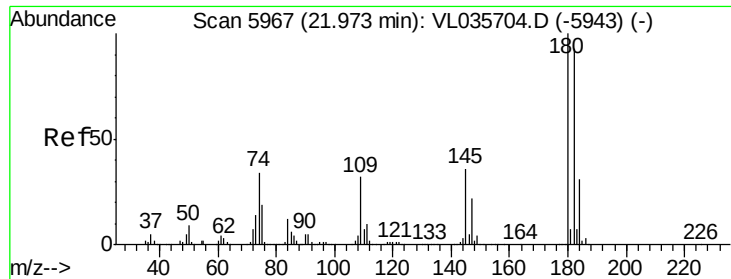


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.743 ppbv
 RT: 21.97 min Scan# 5966
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.2
184	31.0	24.6	37.0

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:35:29 PM

