

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036073.D
 Acq On : 7 Dec 2020 19:49
 Operator : SY/AP
 Sample : VL1207ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1207ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:53:30 AM

Quant Time: Dec 08 08:54:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1255598	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2860673	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2722468	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2216079	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1285347	8.784	ppbv	100
3) Chlorodifluoromethane	2.99	51	1403433	9.797	ppbv	100
4) Chloromethane	3.14	50	677984	9.640	ppbv	99
5) Vinyl Chloride	3.26	62	686685	8.776	ppbv	100
6) Bromomethane	3.48	94	383760	9.505	ppbv	91
7) Chloroethane	3.56	64	237052	8.893	ppbv	92
8) Dichlorotetrafluoroethane	3.19	85	1560478	9.596	ppbv	99
9) Propene	3.01	41	685197	9.548	ppbv	97
10) Heptane	8.15	43	1741303	9.501	ppbv	100
11) Trichlorofluoromethane	3.96	101	1620494	9.419	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1106908	9.474	ppbv	99
13) Ethanol	3.62	45	110041m	11.123	ppbv	
14) Bromoethene	3.75	108	456786	9.530	ppbv	99
15) Acetone	3.86	43	1438852	9.535	ppbv	99
16) 1,3-Butadiene	3.33	39	718442	9.453	ppbv	99
17) tert-Butyl alcohol	4.30	59	1319235	9.025	ppbv	100
18) 1,1-Dichloroethene	4.30	96	491361	9.472	ppbv	97
19) Isopropyl Alcohol	3.98	45	816937	8.857	ppbv #	100
20) Methylene Chloride	4.35	84	433803	7.015	ppbv	98
21) Allyl Chloride	4.42	41	915063	9.120	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	496297	9.556	ppbv	97
23) Vinyl Acetate	5.09	43	2021823	10.063	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1322164	9.357	ppbv	99
25) Ethyl Acetate	5.69	43	2926174	9.706	ppbv	99
26) Hexane	5.70	57	1185017	8.734	ppbv	99
27) Carbon Disulfide	4.56	76	1292200	9.583	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	1793142	9.296	ppbv	99
29) Chloroform	5.77	83	1737225	9.750	ppbv	98
30) Cyclohexane	7.15	84	952610	9.558	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1227332	9.951	ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	1738672	9.457	ppbv	100
34) 2-Butanone	5.26	43	1788758	9.427	ppbv	100
35) Carbon Tetrachloride	7.04	117	1712447	10.265	ppbv	96
36) Benzene	6.91	78	2389391	9.856	ppbv	99
37) 1,2-Dichloroethane	6.33	62	1436076	10.223	ppbv	99
38) Trichloroethene	7.86	130	785243	8.665	ppbv	99
39) 1,2-Dichloropropane	7.64	63	965593	10.085	ppbv	92
40) 1,4-Dioxane	7.85	88	300452	9.977	ppbv #	29
41) Tetrahydrofuran	6.06	42	1123730	9.968	ppbv	100
42) Bromodichloromethane	7.82	83	1924222	10.279	ppbv	99
43) Methyl Methacrylate	8.04	69	1064278	10.233	ppbv	99

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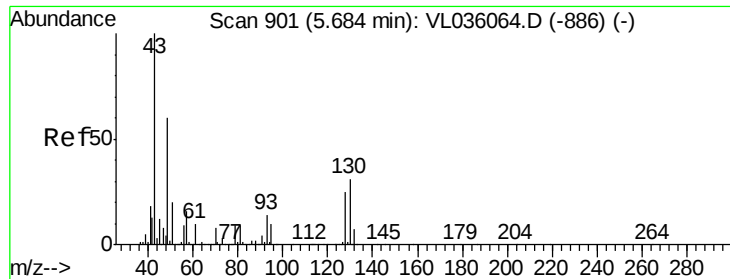
Manual Integrations
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 12/10/2020 9:53:30 AM

Quant Time: Dec 08 08:54:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4240747	9.659	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1169090	10.941	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1394617	10.413	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	936539	10.168	ppbv	97
48) Dibromochloromethane	10.33	129	1508757	10.847	ppbv	100
49) Bromoform	13.07	173	1269344	11.594	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2863667	10.119	ppbv	100
51) 2-Hexanone	10.16	43	2345874	10.605	ppbv	98
52) Tetrachloroethene	11.25	164	786151	8.958	ppbv	98
53) Toluene	9.83	91	2711418	9.960	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1405245	10.178	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1125895	9.974	ppbv	95
57) Chlorobenzene	12.18	112	1889194	9.885	ppbv	97
58) Ethyl Benzene	12.74	91	3674786	9.849	ppbv	98
59) m/p-Xylene	13.02	91	6207691m	19.754	ppbv	
60) o-Xylene	13.72	91	2873306	9.705	ppbv	99
61) Styrene	13.56	104	2069853	10.889	ppbv	99
62) Isopropylbenzene	14.70	105	4288814	9.772	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1942657	9.743	ppbv	99
64) n-propylbenzene	15.59	120	1072269	10.156	ppbv	97
65) tert-Butylbenzene	16.78	119	3608192	10.045	ppbv	99
66) Benzyl Chloride	17.02	91	1333777	14.911	ppbv	99
67) sec-Butylbenzene	17.33	105	5142346	10.229	ppbv	99
69) p-Isopropyltoluene	17.68	119	4186167	10.468	ppbv	99
70) n-Butylbenzene	18.58	91	4351916	11.011	ppbv	99
71) 2-Chlorotoluene	15.48	91	3394693	10.233	ppbv	98
72) 4-Ethyltoluene	15.87	105	3356355	10.465	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3165661	10.335	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	3145911	10.232	ppbv	96
75) 1,3-Dichlorobenzene	17.03	146	1646860	10.700	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1652044	10.543	ppbv	98
77) 1,2-Dichlorobenzene	17.85	146	1582449	10.768	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1009834m	8.574	ppbv	
79) Naphthalene	22.24	128	1769728m	11.323	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	726876	20.798	ppbv	98
81) 1,2,4-Trichlorobenzene	21.96	180	1004788	9.622	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tot Ion: 49 Resp: 1255598

Ion Ratio Lower Upper

49 100

128 40.3 21.1 63.1

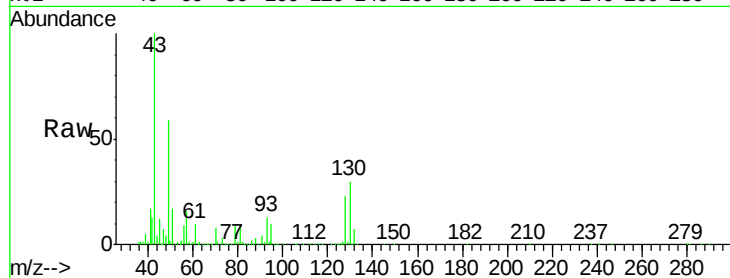
130 51.0 27.1 81.3

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.68

600000

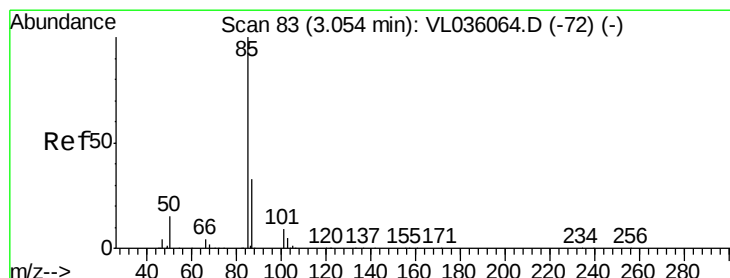
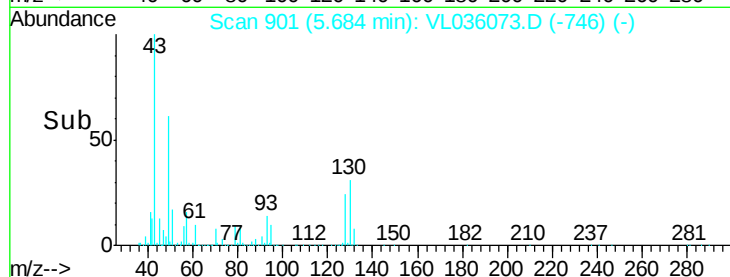
400000

200000

0

Time-->

5.60 5.65 5.70 5.75



#2

Dichlorodifluoromethane

Concen: 8.784 ppbv

RT: 3.05 min Scan# 83

Delta R.T. -0.00 min

Lab File: VL036073.D

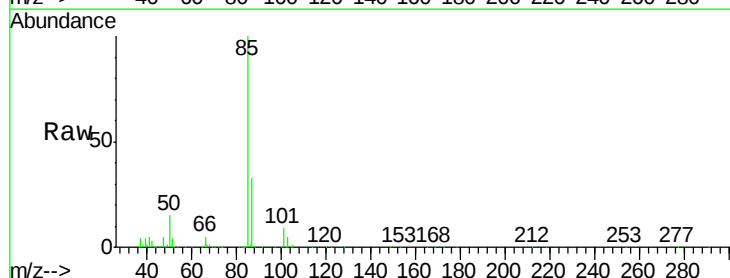
Acq: 7 Dec 2020 19:49

Tgt Ion: 85 Resp: 1285347

Ion Ratio Lower Upper

85 100

87 33.3 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

800000

600000

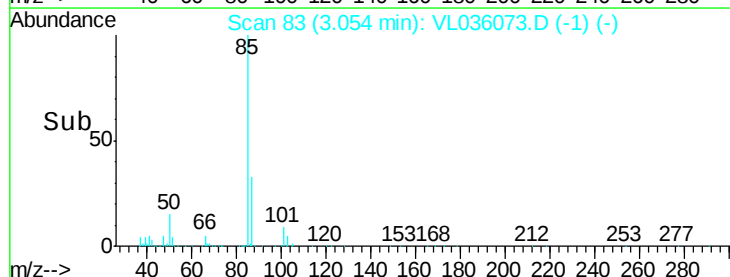
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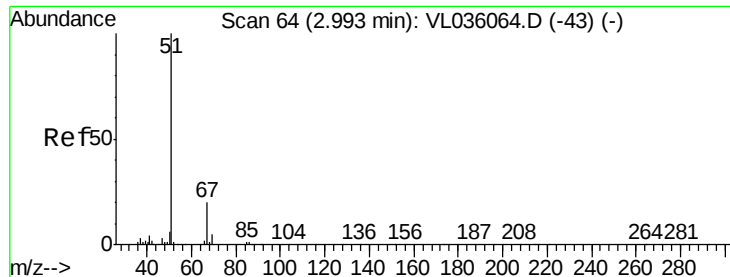
200000

0

Time-->

3.00 3.05 3.10 3.15





#3

Chlorodifluoromethane

Concen: 9.797 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Tot Ion: 51 Resp: 1403433

Ion Ratio Lower Upper

51 100

67 18.0 14.3 21.5

Instrument :

MSVOA_L

ClientSampleId :

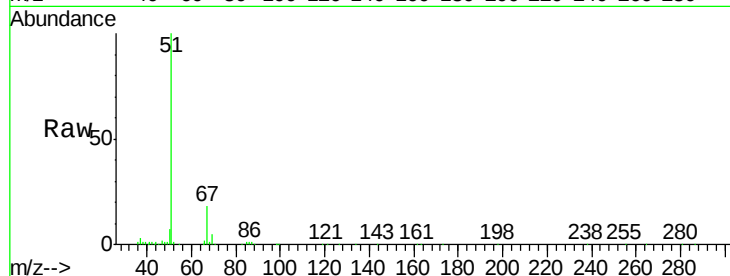
VL1207ABS01

Manual Integrations

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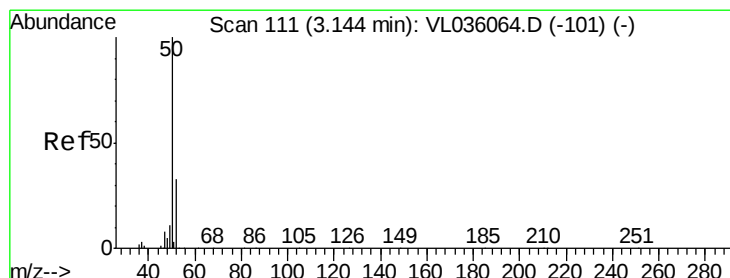
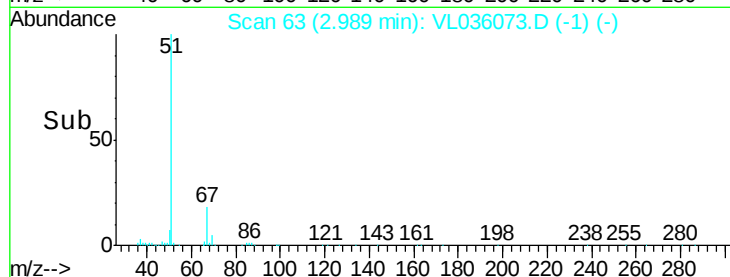
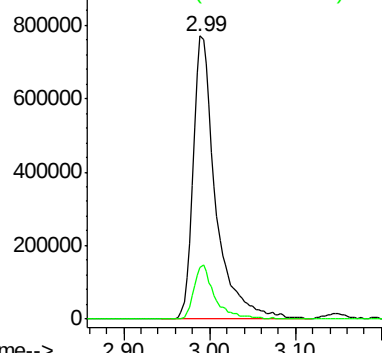
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.640 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL036073.D

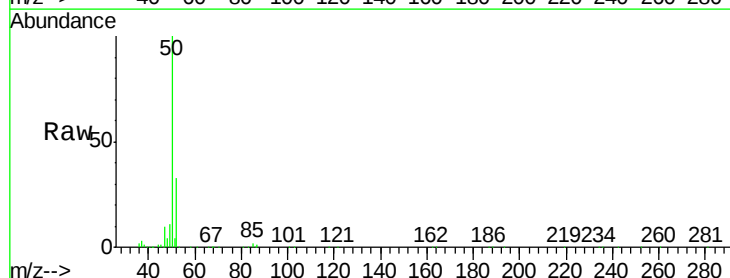
Acq: 7 Dec 2020 19:49

Tgt Ion: 50 Resp: 677984

Ion Ratio Lower Upper

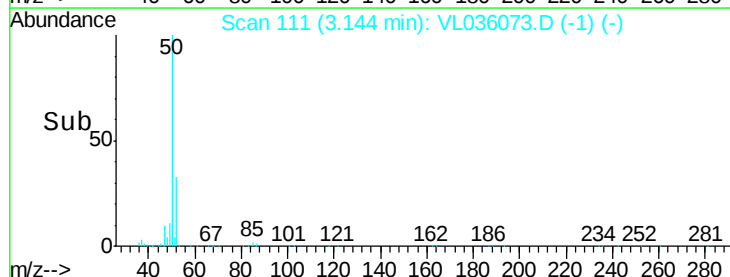
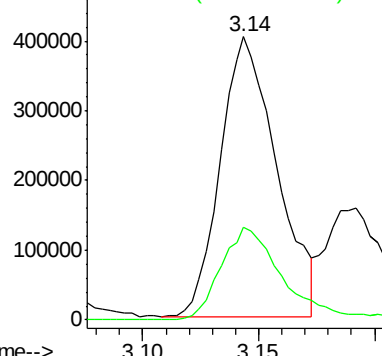
50 100

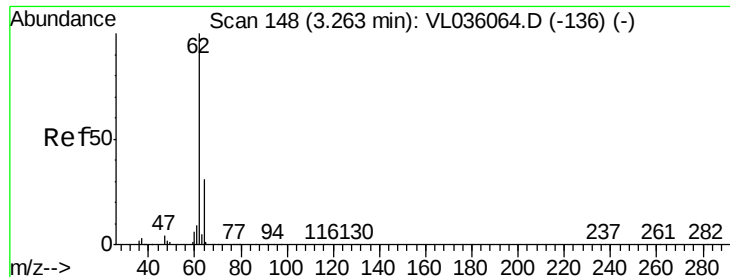
52 33.0 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.776 ppbv

RT: 3.26 min Scan# 148

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tot Ion: 62 Resp: 686685

Ion Ratio Lower Upper

62 100

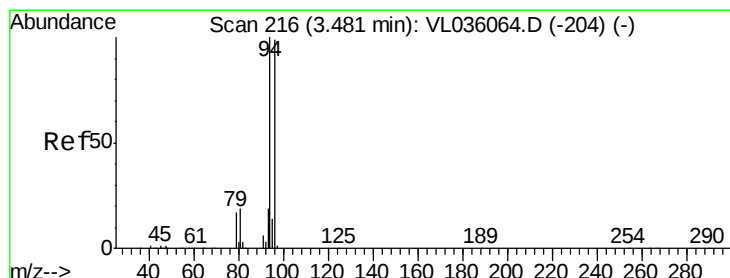
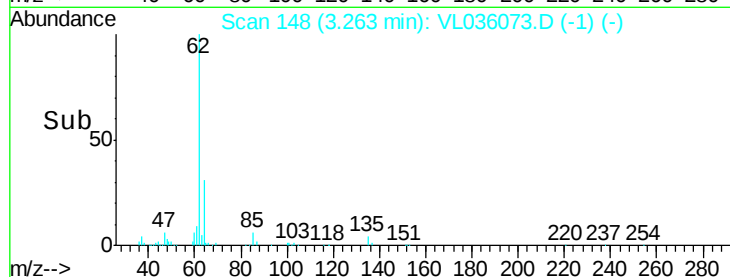
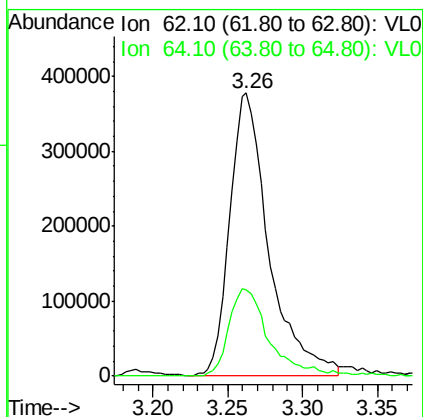
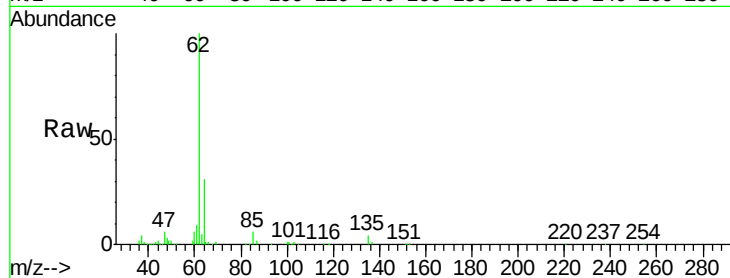
64 30.7 24.5 36.7

Manual Integrations

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#6

Bromomethane

Concen: 9.505 ppbv

RT: 3.48 min Scan# 216

Delta R.T. -0.00 min

Lab File: VL036073.D

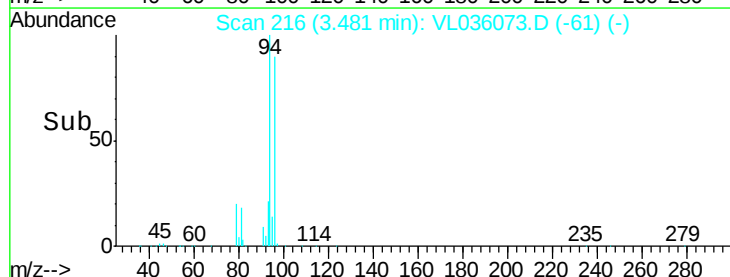
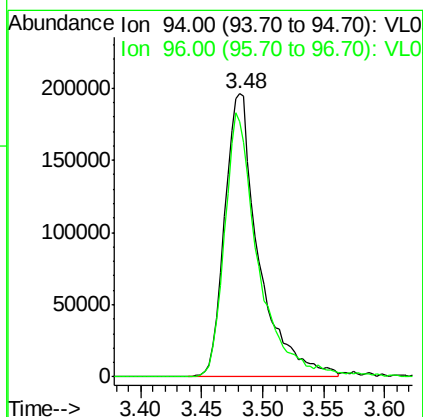
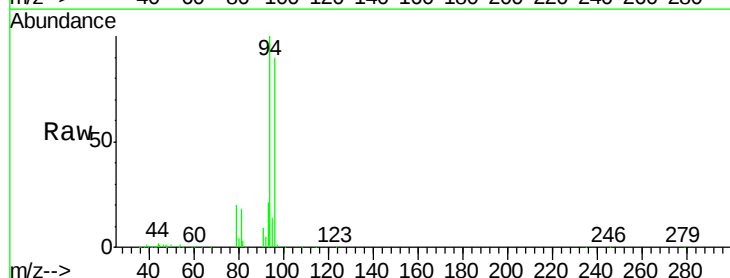
Acq: 7 Dec 2020 19:49

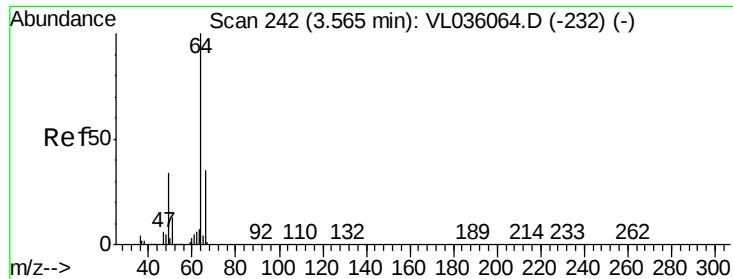
Tgt Ion: 94 Resp: 383760

Ion Ratio Lower Upper

94 100

96 90.2 79.4 119.0





#7

Chloroethane

Concen: 8.893 ppbv

RT: 3.56 min Scan# 242

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tot Ion: 64 Resp: 237052

Ion Ratio Lower Upper

64 100

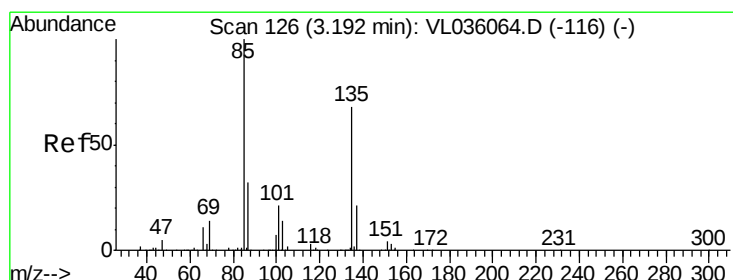
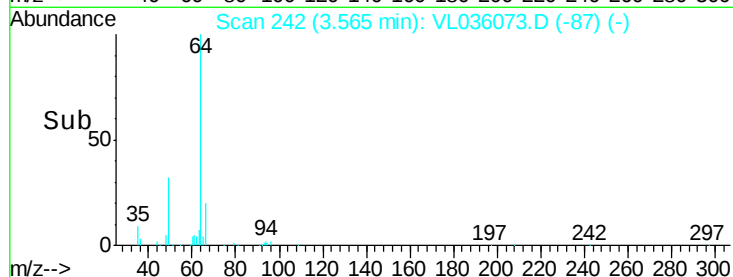
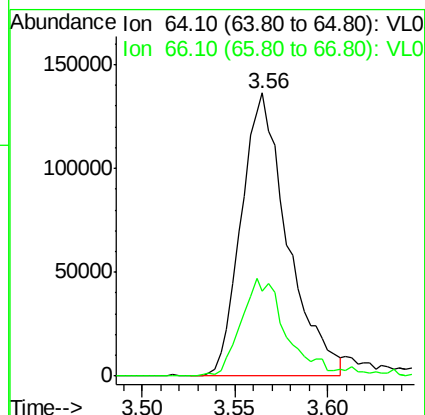
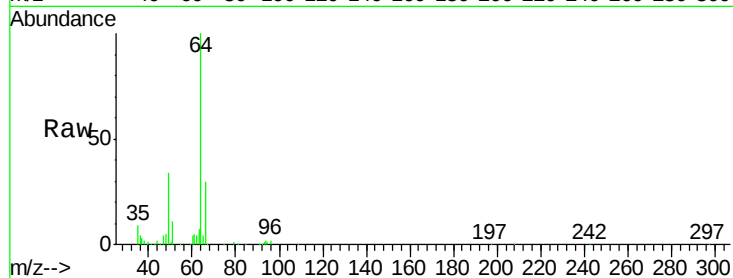
66 30.2 27.7 41.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.596 ppbv

RT: 3.19 min Scan# 126

Delta R.T. -0.00 min

Lab File: VL036073.D

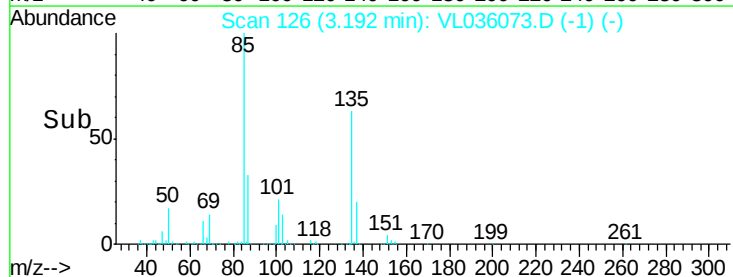
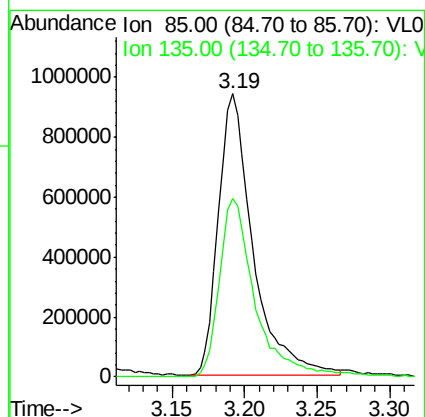
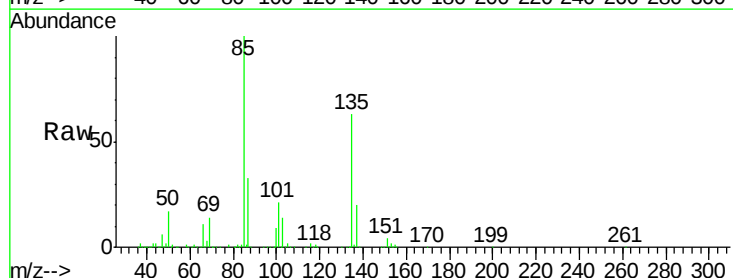
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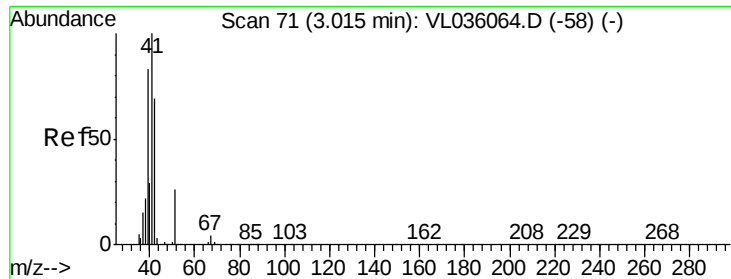
Tgt Ion: 85 Resp: 1560478

Ion Ratio Lower Upper

85 100

135 66.2 53.8 80.8





#9

Propene

Concen: 9.548 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tot Ion: 41 Resp: 685197

Ion Ratio Lower Upper

41 100

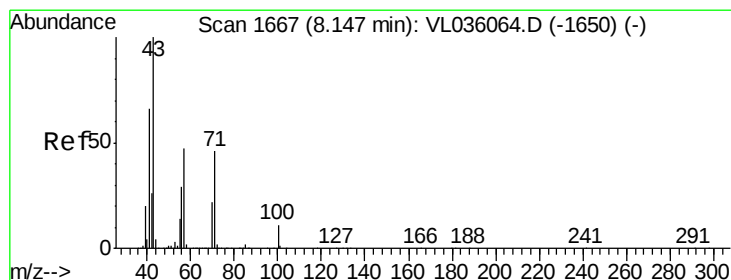
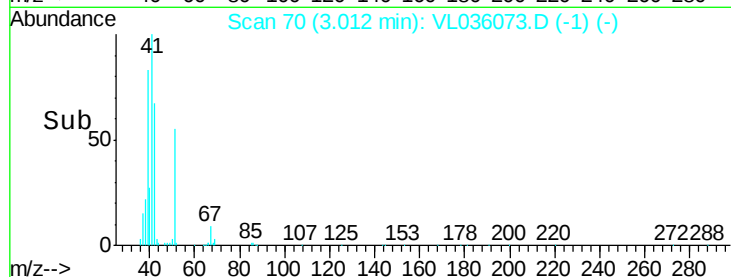
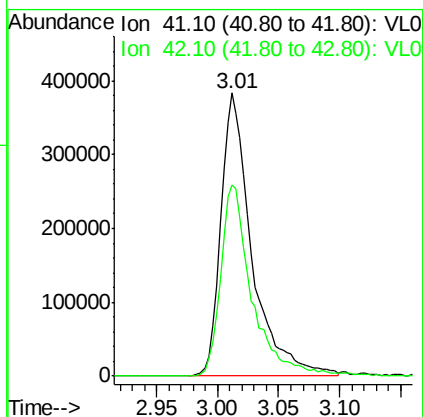
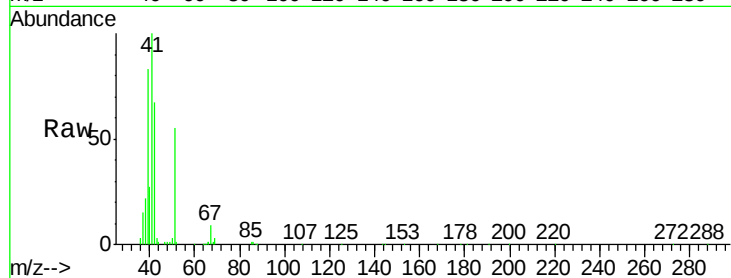
42 68.4 57.0 85.6

Manual Integrations

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12/10/2020 9:53:30 AM



#10

Heptane

Concen: 9.501 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VL036073.D

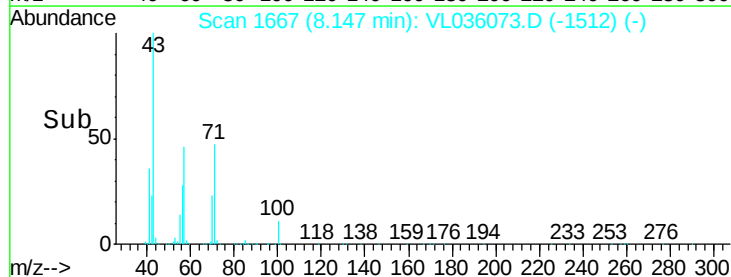
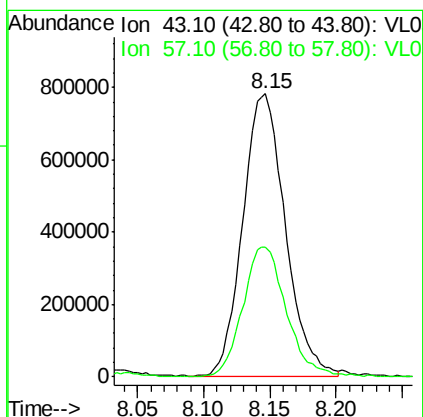
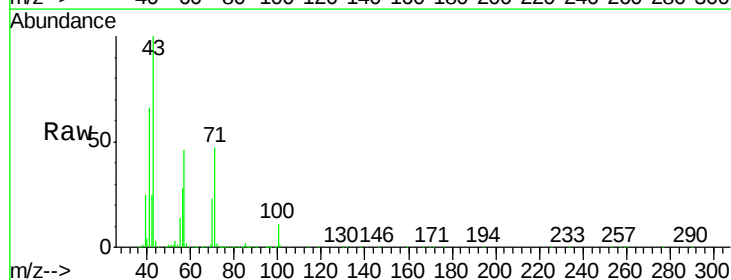
Acq: 7 Dec 2020 19:49

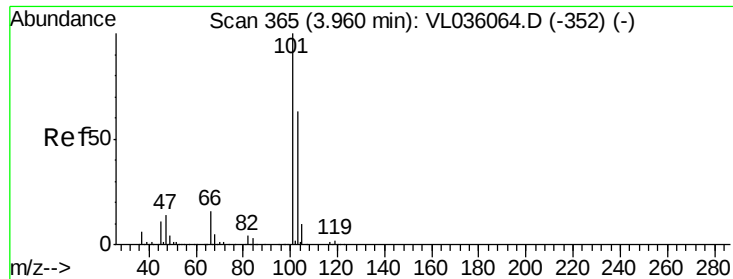
Tgt Ion: 43 Resp: 1741303

Ion Ratio Lower Upper

43 100

57 47.5 37.9 56.9





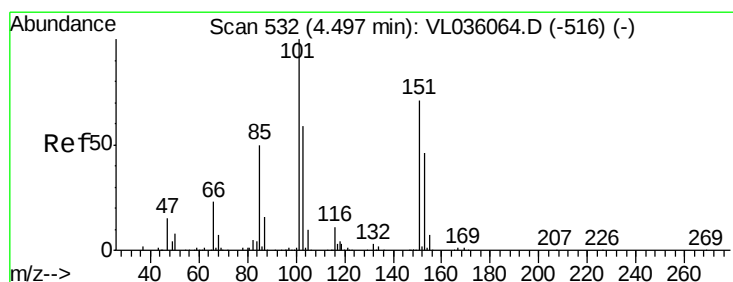
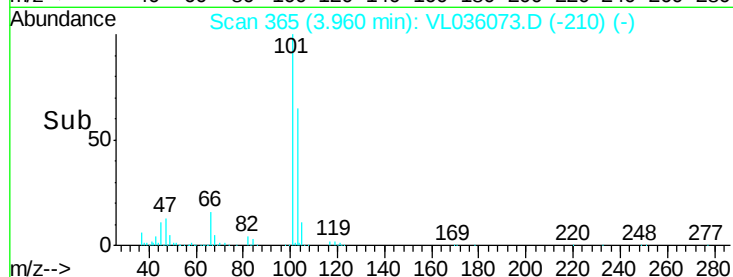
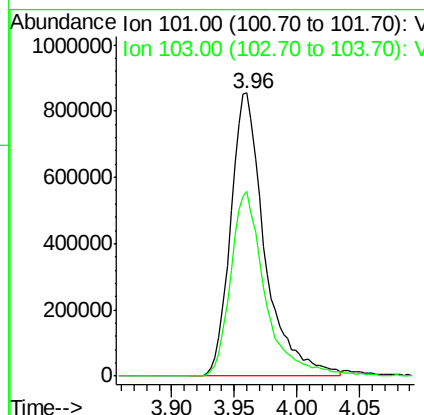
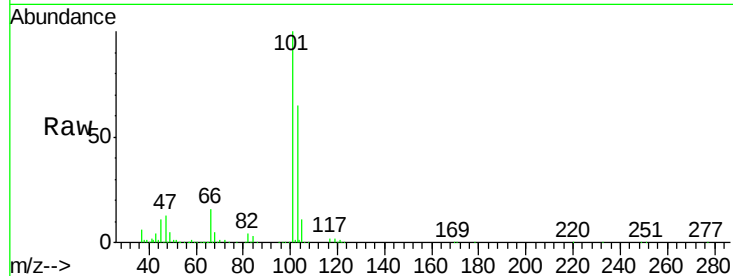
#11
 Trichlorofluoromethane
 Concen: 9.419 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tot Ion:101 Resp: 1620494
 Ion Ratio Lower Upper
 101 100
 103 65.2 50.3 75.5

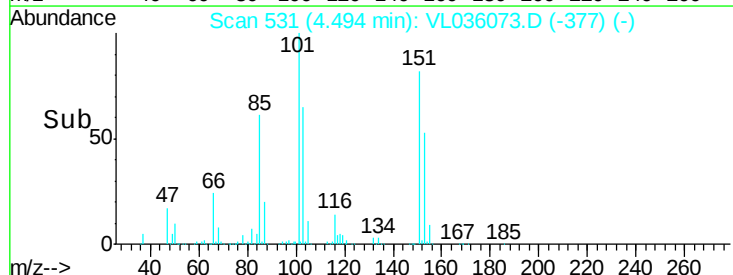
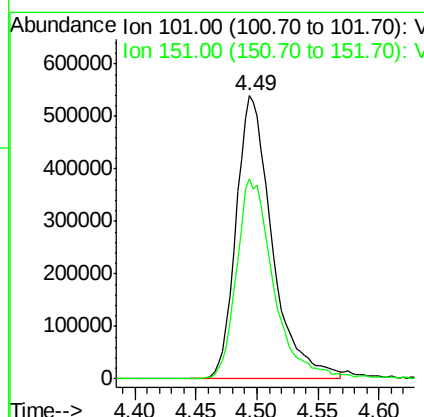
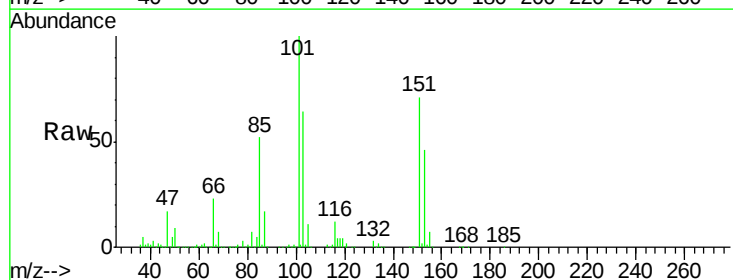
Manual Integrations
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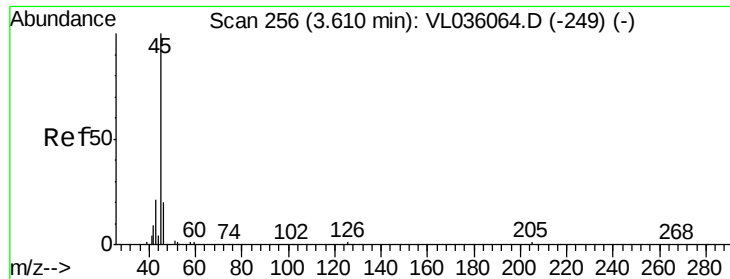
MMDadoda
 12/10/2020 9:53:30 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.474 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion:101 Resp: 1106908
 Ion Ratio Lower Upper
 101 100
 151 73.0 59.3 88.9





#13

Ethanol

Concen: 11.123 ppbv m

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tot Ion: 45 Resp: 110041

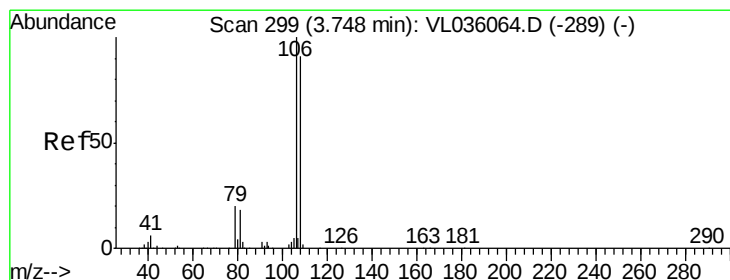
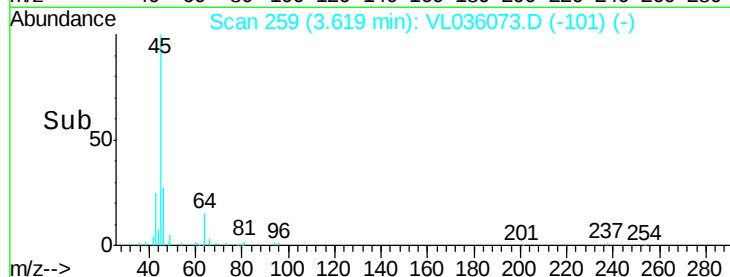
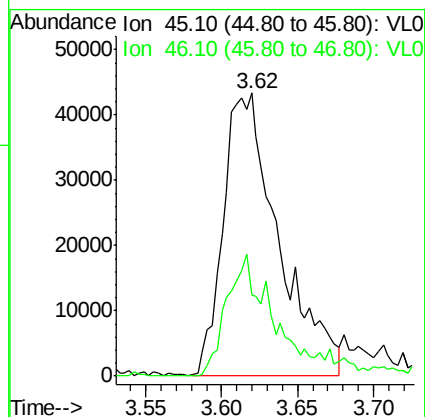
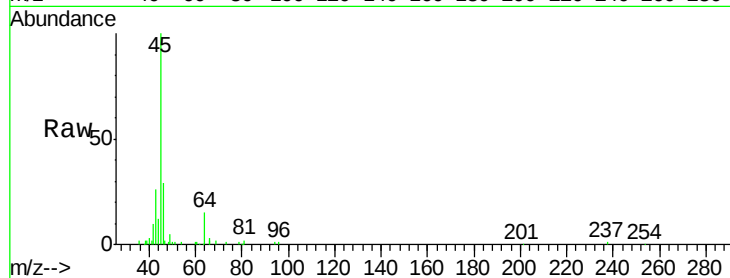
Ion Ratio Lower Upper

45 100

46 41.2 19.0 75.8

Manual Integrations
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#14

Bromoethene

Concen: 9.530 ppbv

RT: 3.75 min Scan# 299

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

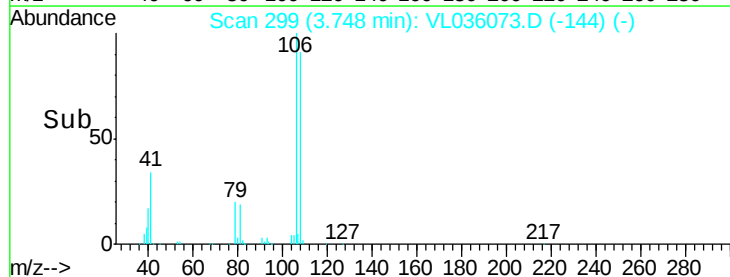
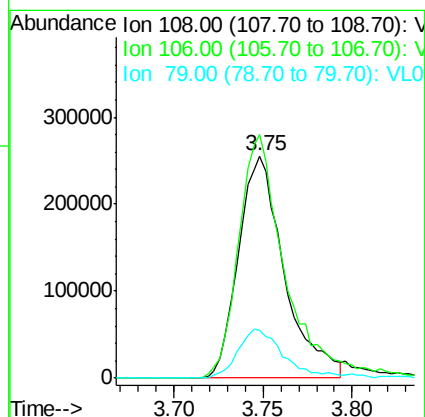
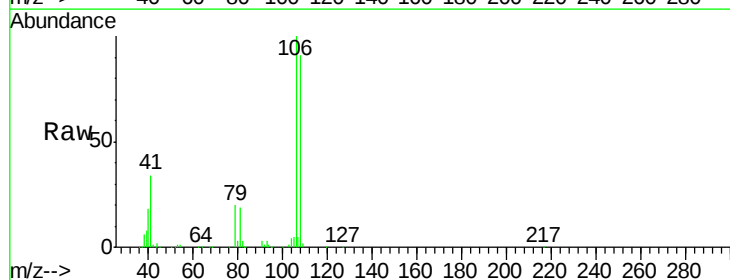
Tgt Ion: 108 Resp: 456786

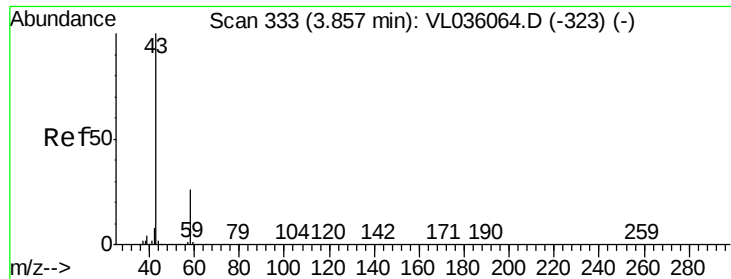
Ion Ratio Lower Upper

108 100

106 113.3 91.0 136.4

79 23.1 19.3 28.9





#15

Acetone

Concen: 9.535 ppbv

RT: 3.86 min Scan# 333

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tot Ion: 43 Resp: 1438852

Ion Ratio Lower Upper

43 100

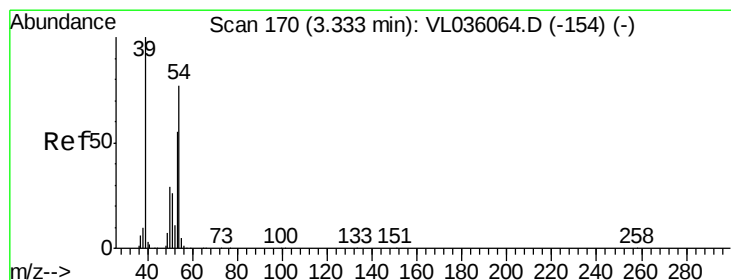
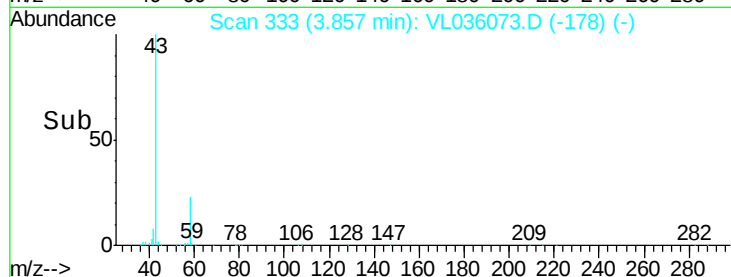
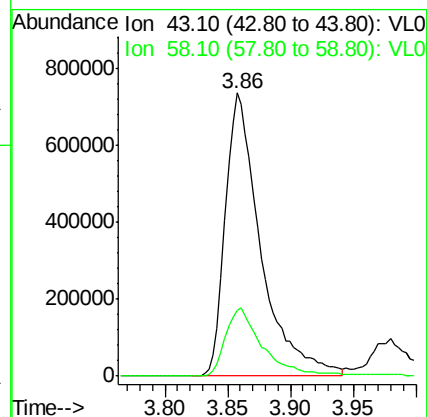
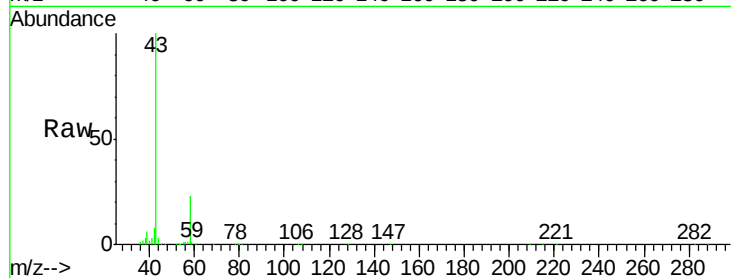
58 25.4 20.9 31.3

Manual Integrations

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#16

1,3-Butadiene

Concen: 9.453 ppbv

RT: 3.33 min Scan# 170

Delta R.T. -0.00 min

Lab File: VL036073.D

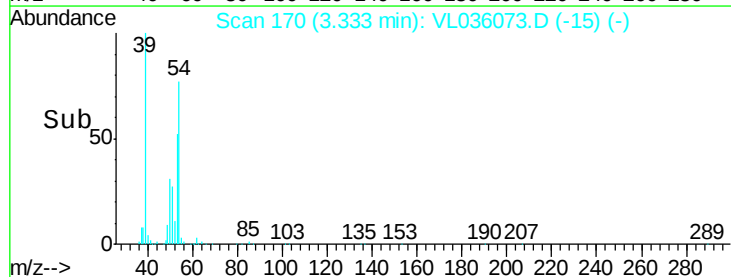
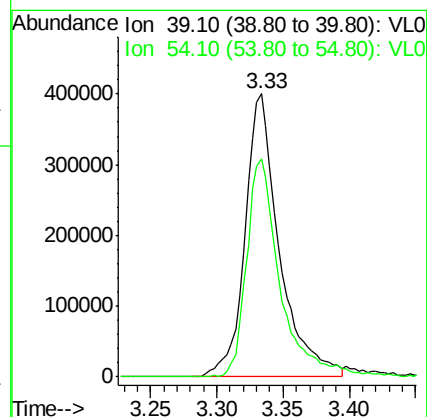
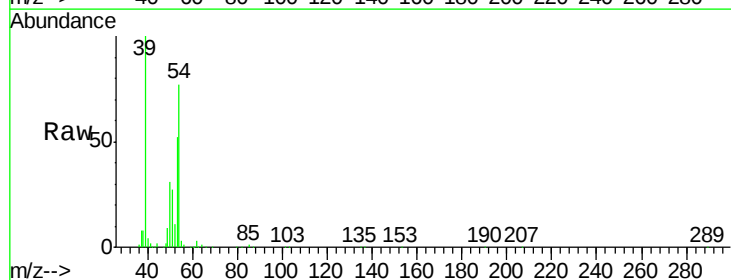
Acq: 7 Dec 2020 19:49

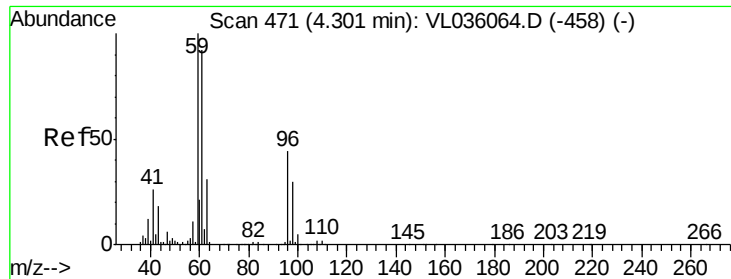
Tgt Ion: 39 Resp: 718442

Ion Ratio Lower Upper

39 100

54 76.7 62.1 93.1





#17

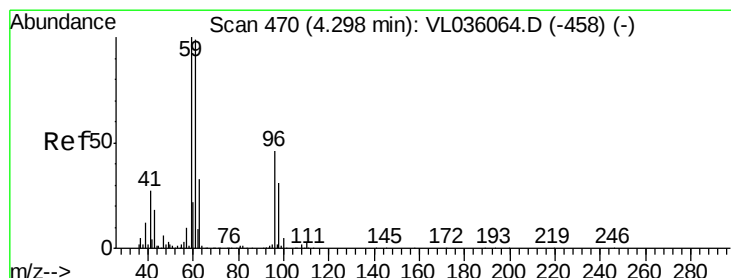
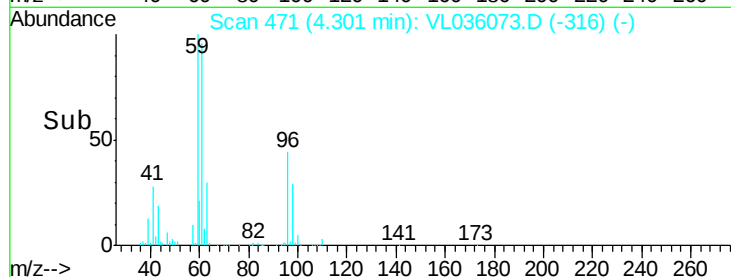
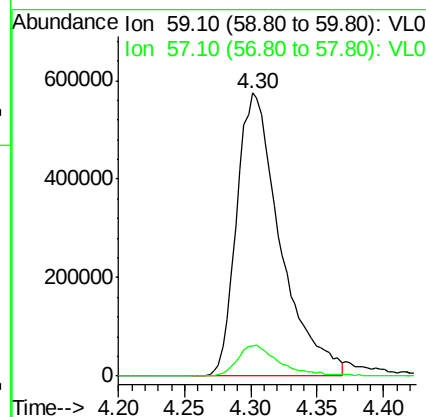
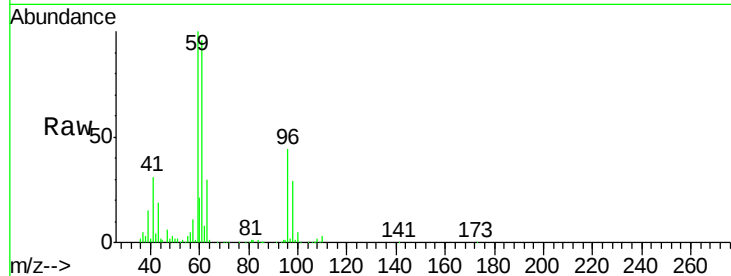
tert-Butyl alcohol
Concen: 9.025 ppbv
RT: 4.30 min Scan# 471
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tot Ion: 59 Resp: 1319235
Ion Ratio Lower Upper
59 100
57 11.1 8.7 13.1

Manual Integrations
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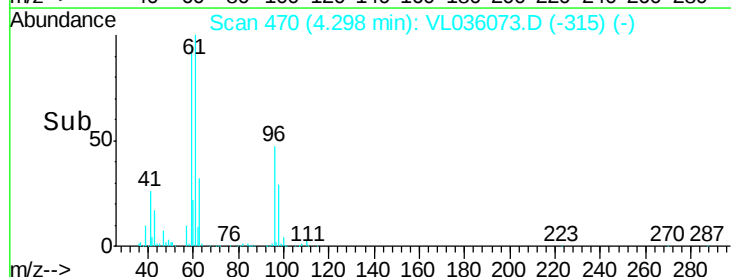
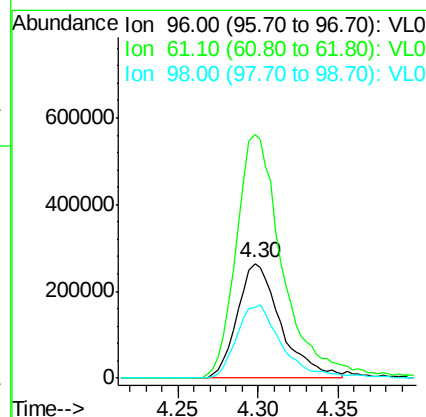
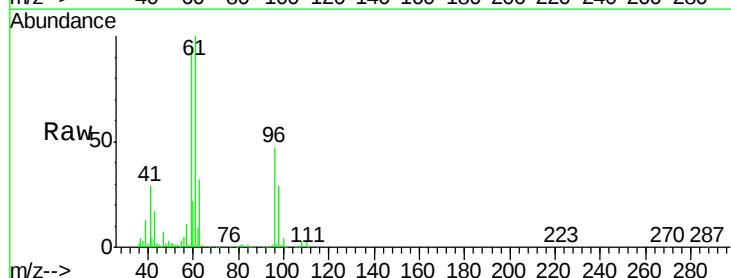
MMDadoda
12/10/2020 9:53:30 AM

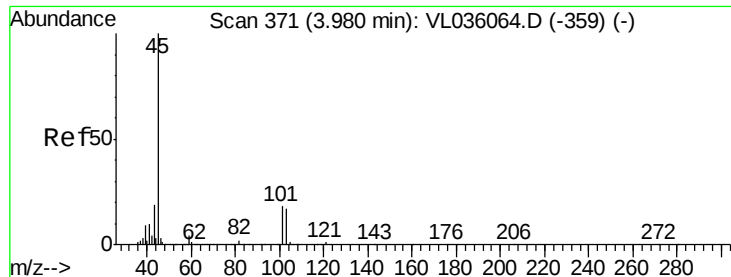


#18

1,1-Dichloroethene
Concen: 9.472 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion: 96 Resp: 491361
Ion Ratio Lower Upper
96 100
61 211.8 171.4 257.2
98 61.4 54.2 81.2





#19

Isopropyl Alcohol

Concen: 8.857 ppbv

RT: 3.98 min Scan# 370

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Tot Ion: 45 Resp: 816937

Ion Ratio Lower Upper

45 100

58 1.8 0.0 0.0#

Instrument :

MSVOA_L

ClientSampleId :

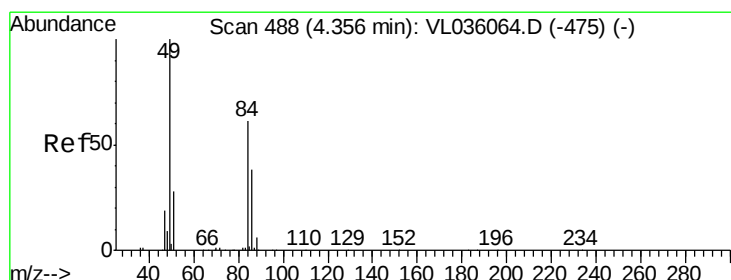
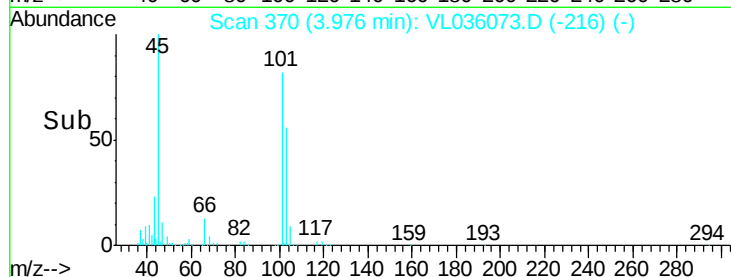
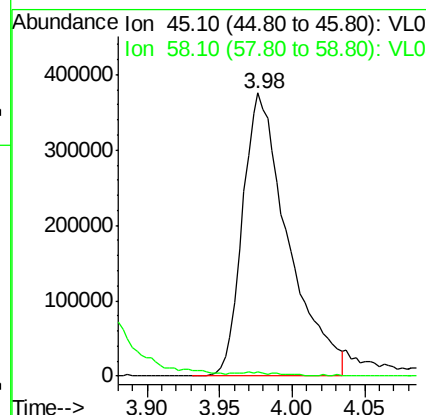
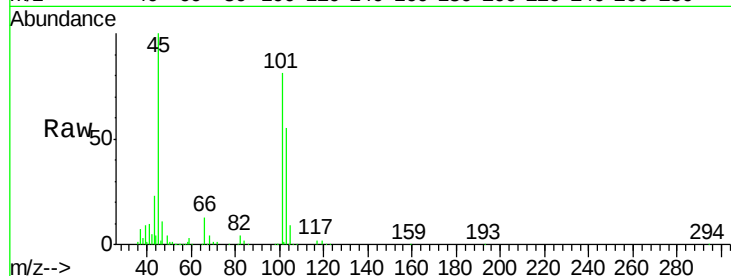
VL1207ABS01

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#20

Methylene Chloride

Concen: 7.015 ppbv

RT: 4.35 min Scan# 487

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Tgt Ion: 84 Resp: 433803

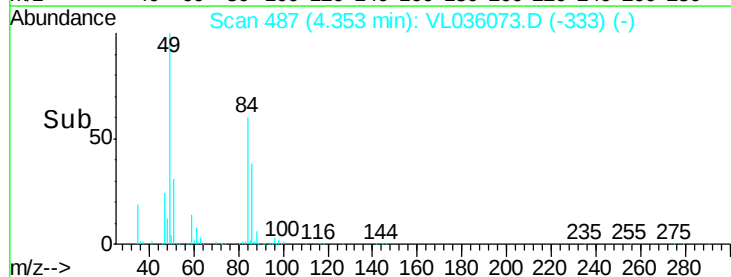
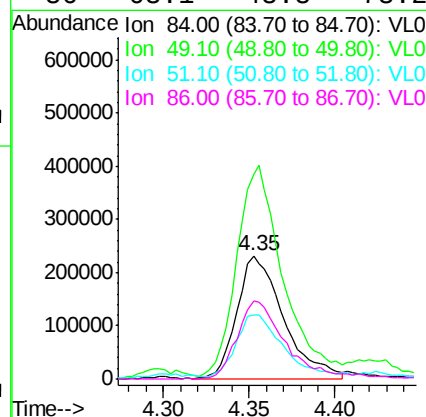
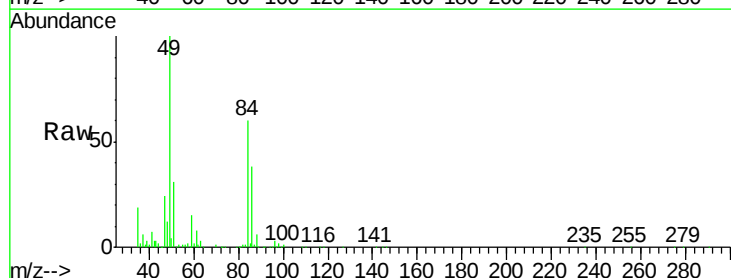
Ion Ratio Lower Upper

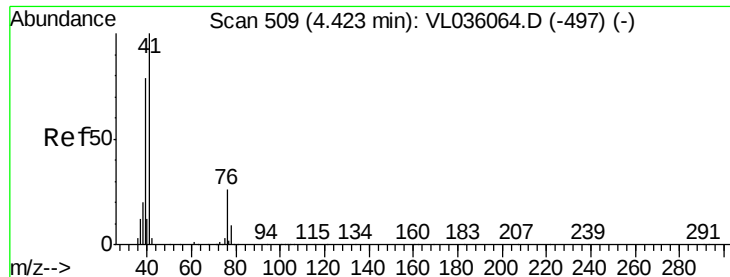
84 100

49 163.5 133.0 199.4

51 49.1 38.9 58.3

86 63.1 48.8 73.2





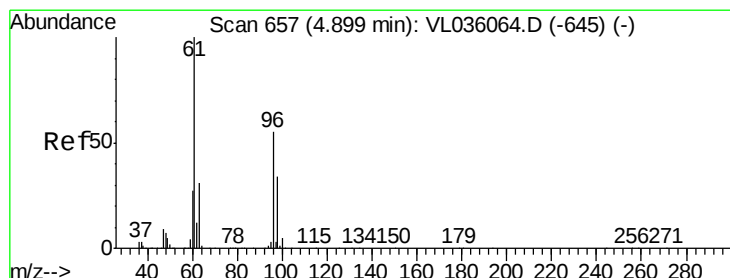
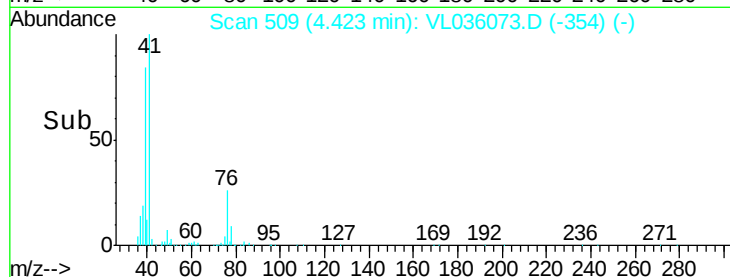
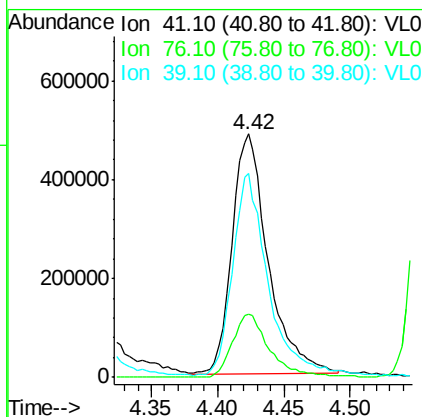
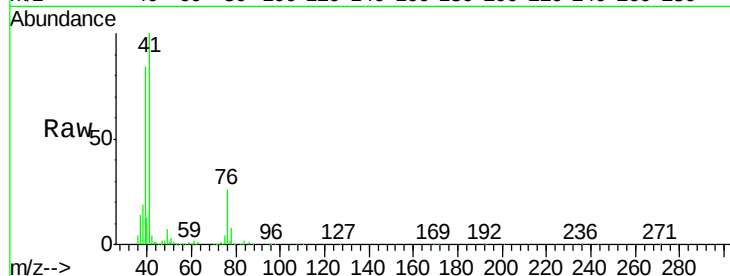
#21
Allvl Chloride
Concen: 9.120 ppbv
RT: 4.42 min Scan# 509
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.3	21.0	31.4
39	84.3	66.0	99.0

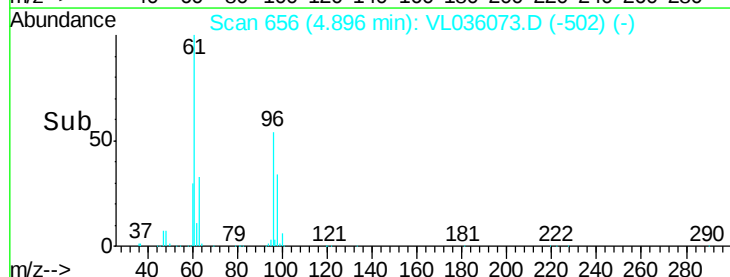
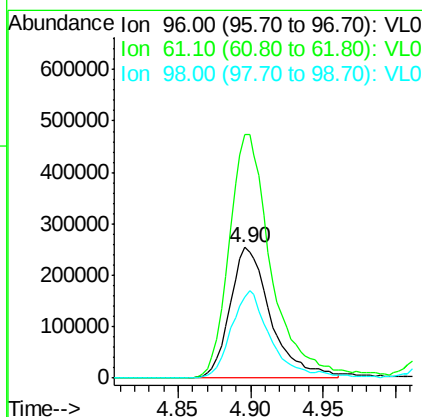
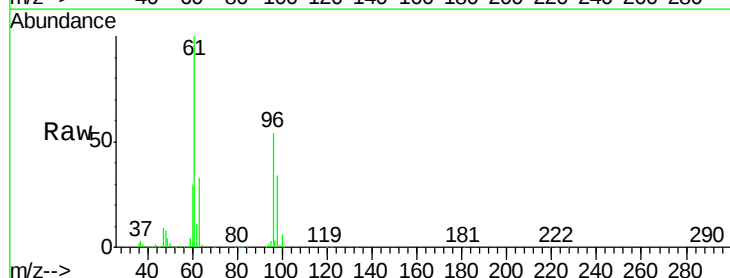
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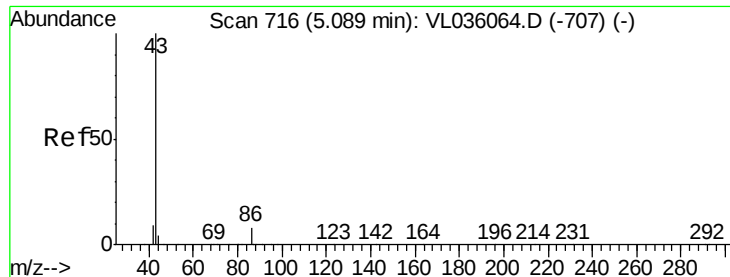
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.556 ppbv
RT: 4.90 min Scan# 656
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.4	145.7	218.5
98	62.5	49.2	73.8





#23

Vinyl Acetate

Concen: 10.063 ppbv

RT: 5.09 min Scan# 716

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tot Ion: 43 Resp: 2021823

Ion Ratio Lower Upper

43 100

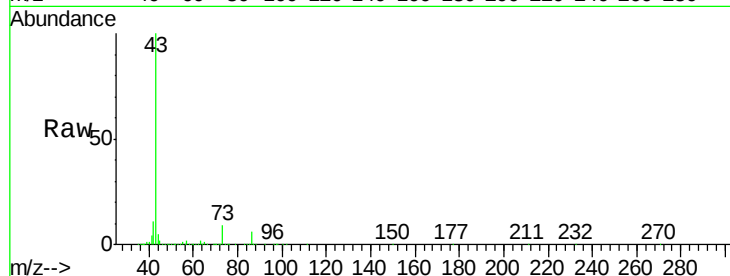
86 6.1 5.0 7.4

42 10.5 7.8 11.6

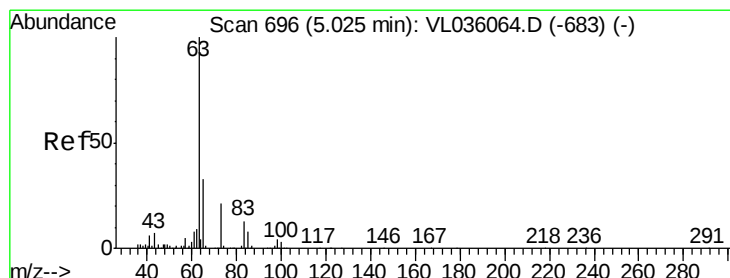
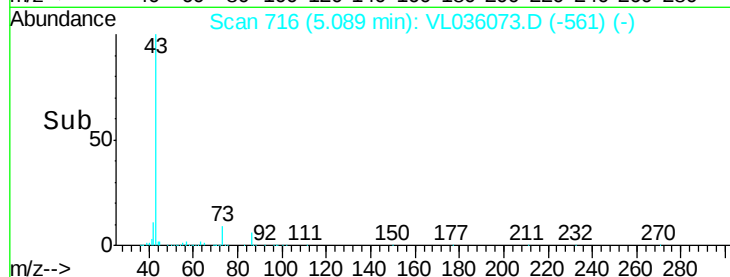
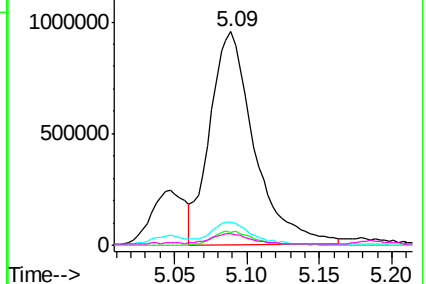
44 4.8 3.2 4.8

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Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.357 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

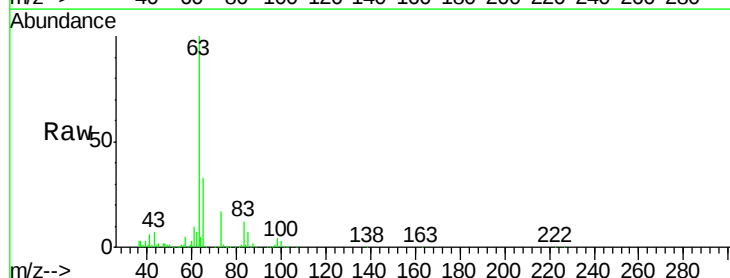
Tgt Ion: 63 Resp: 1322164

Ion Ratio Lower Upper

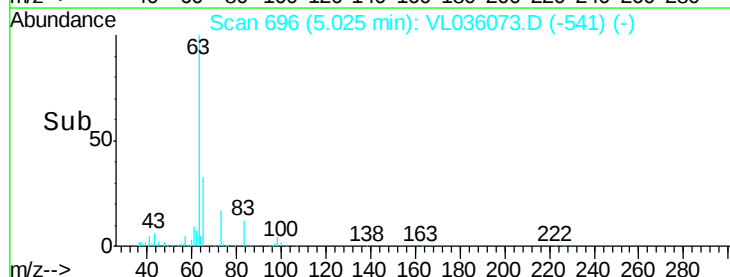
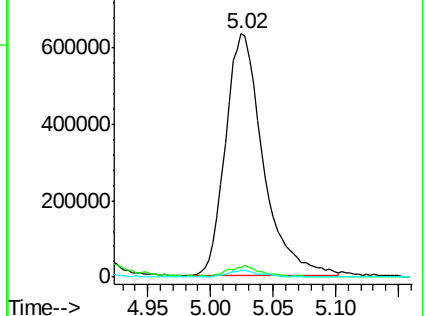
63 100

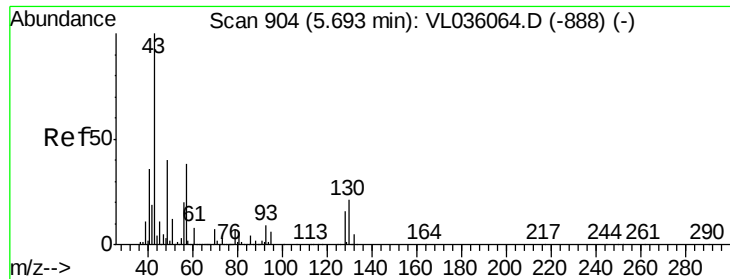
98 3.9 2.2 6.6

100 2.6 1.5 4.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
800000
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





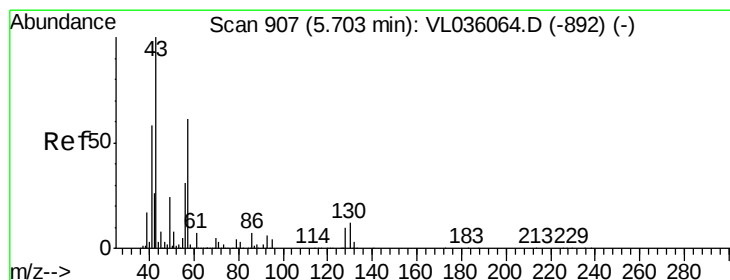
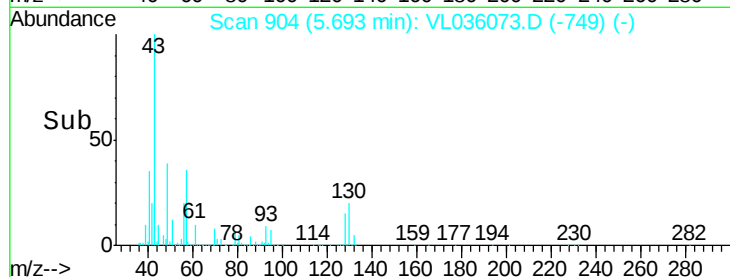
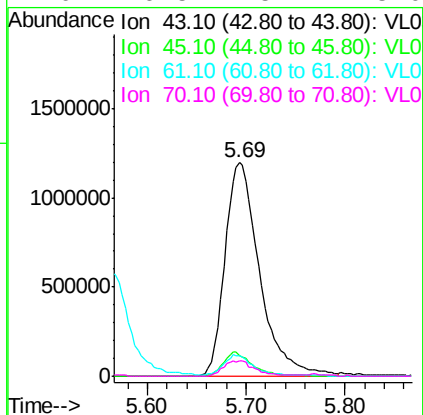
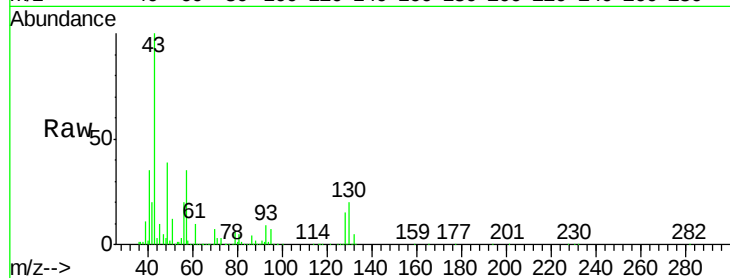
#25
Ethyl Acetate
Concen: 9.706 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tot Ion	43	Resp	2926174
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.4
61	9.0	7.4	11.2
70	6.5	5.4	8.0

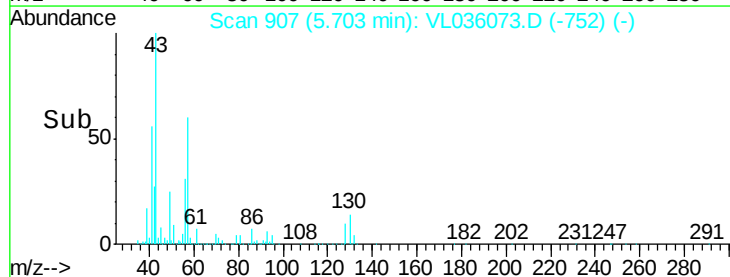
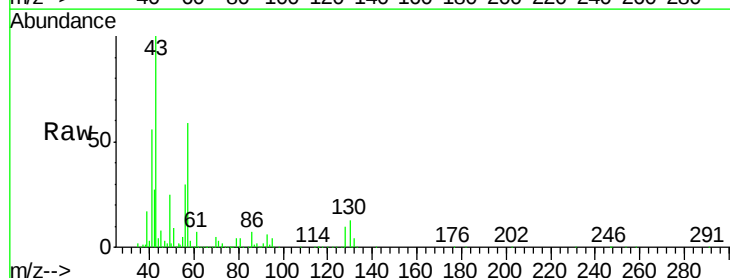
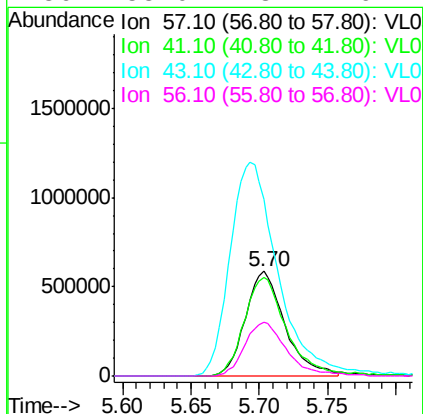
Manual Integrations
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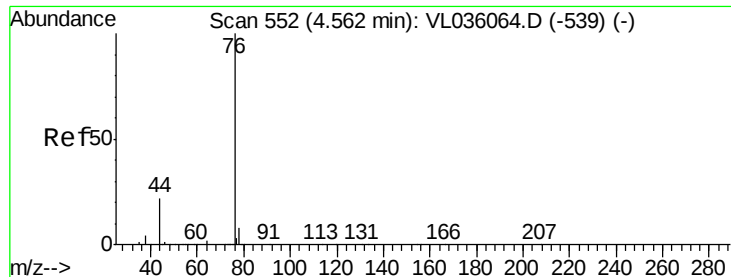
MMDadoda
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#26
Hexane
Concen: 8.734 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion	57	Resp	1185017
Ion	Ratio	Lower	Upper
57	100		
41	102.7	82.9	124.3
43	251.0	199.9	299.9
56	55.0	43.1	64.7





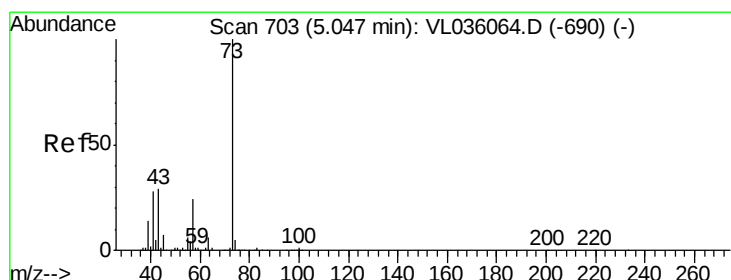
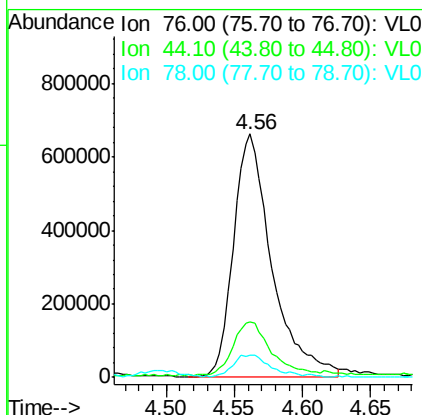
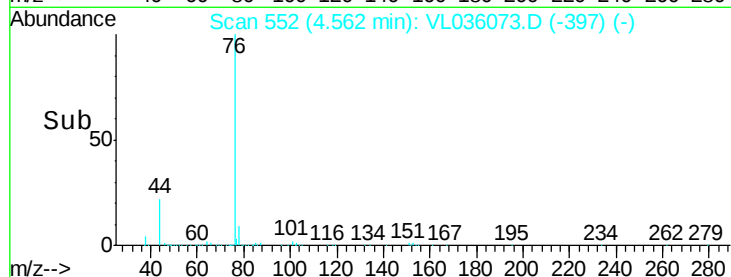
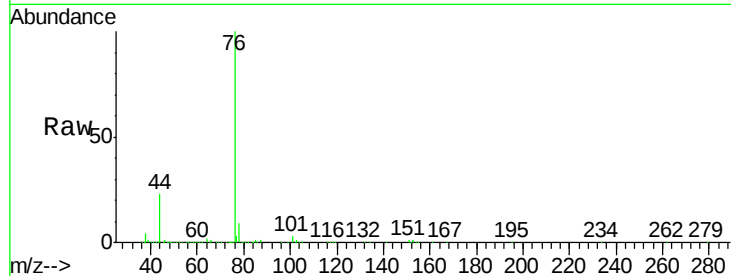
#27
Carbon Disulfide
Concen: 9.583 ppbv
RT: 4.56 min Scan# 552
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	23.8	17.9	26.9
78	9.9	7.8	11.8

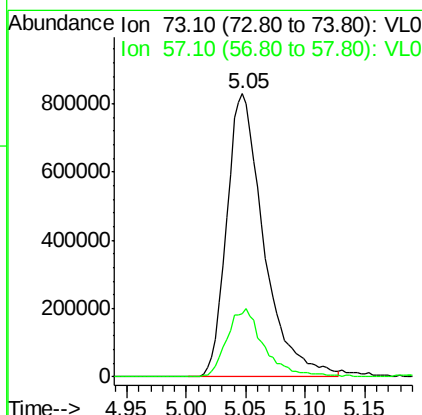
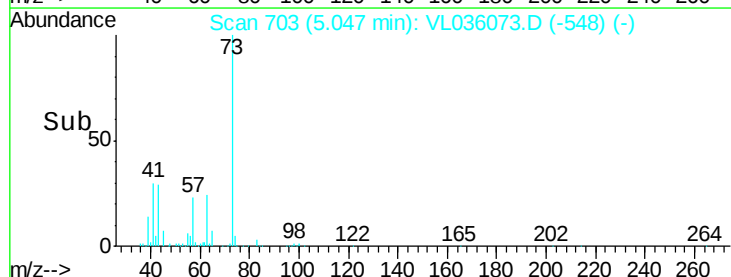
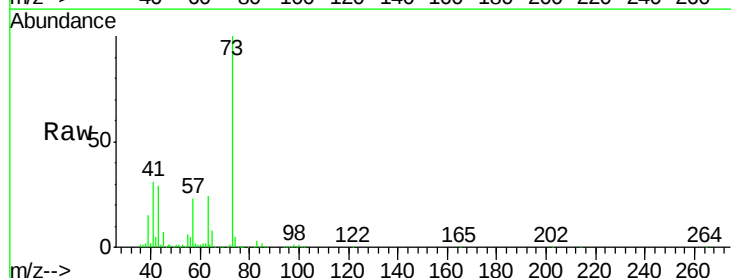
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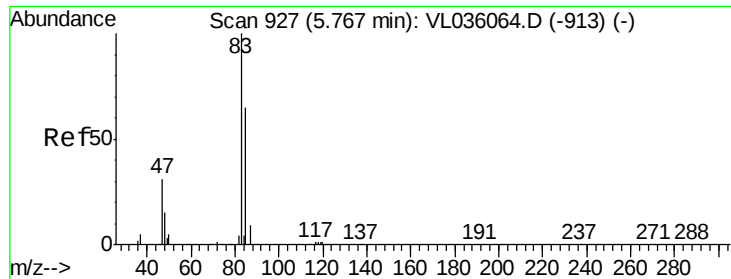
MMDadoda
12/10/2020 9:53:30 AM



#28
Methyl tert-Butyl Ether
Concen: 9.296 ppbv
RT: 5.05 min Scan# 703
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.3	19.2	28.8





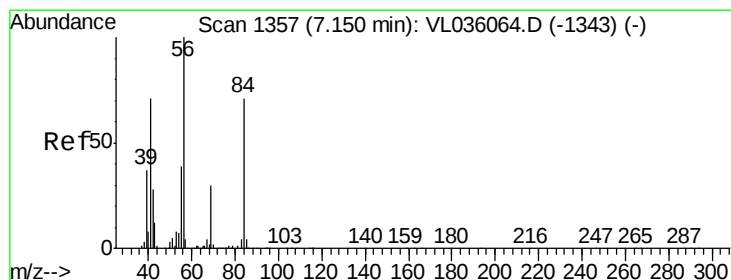
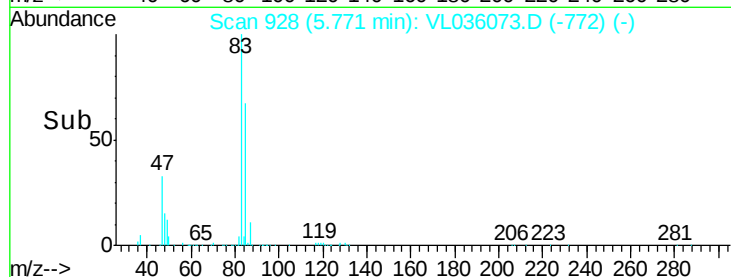
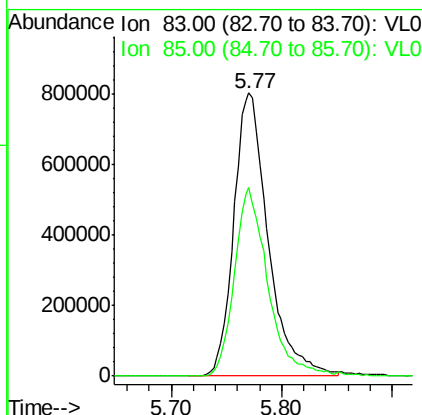
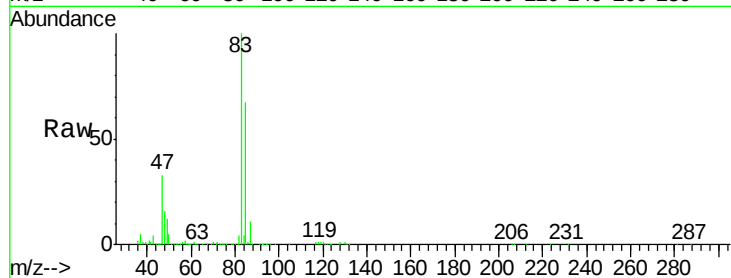
#29
Chloroform
Concen: 9.750 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tot Ion: 83 Resp: 1737225
Ion Ratio Lower Upper
83 100
85 66.4 51.8 77.6

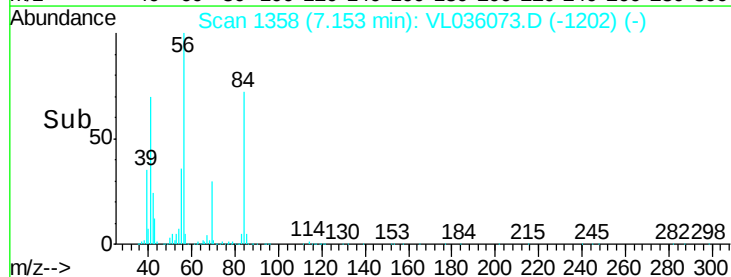
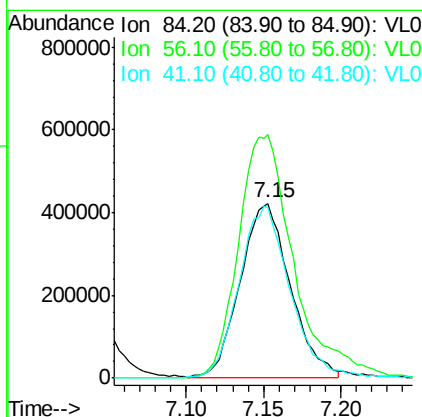
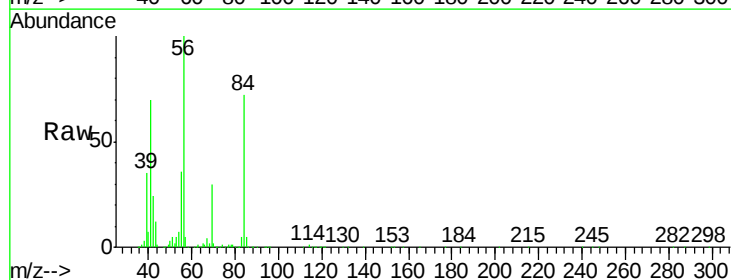
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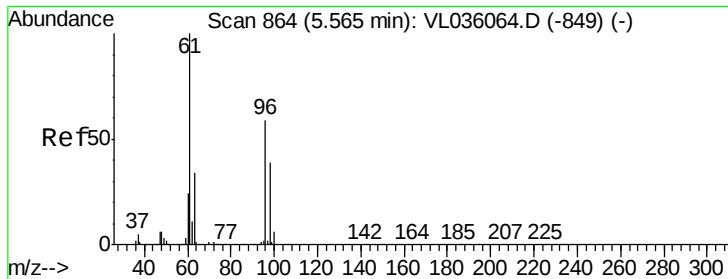
MMDadoda
12/10/2020 9:53:30 AM



#30
Cyclohexane
Concen: 9.558 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion: 84 Resp: 952610
Ion Ratio Lower Upper
84 100
56 155.2 128.0 192.0
41 100.9 81.3 121.9





#31

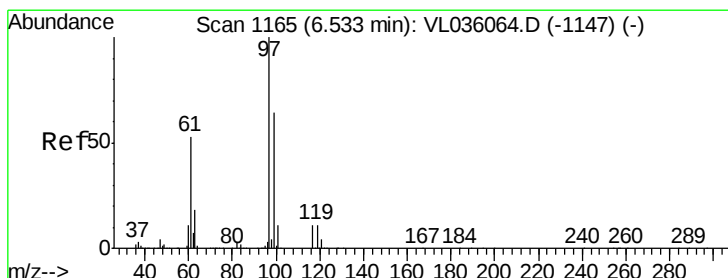
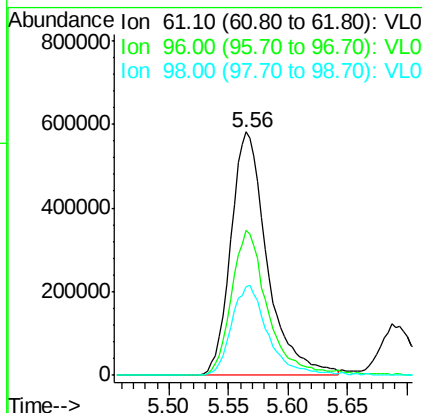
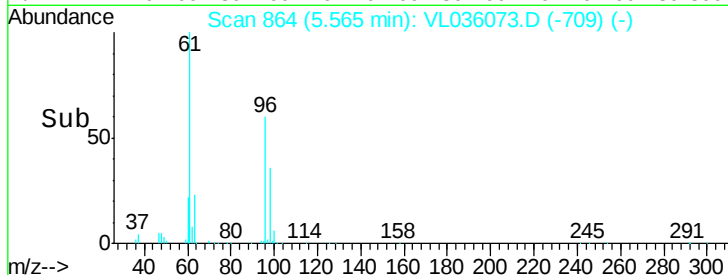
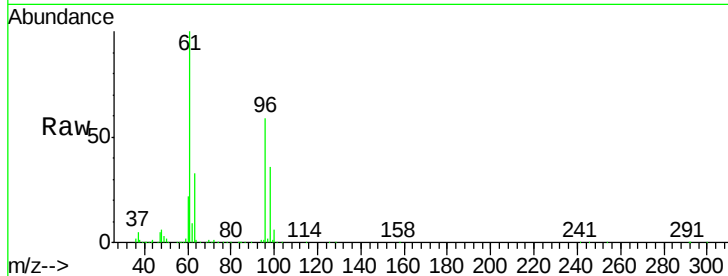
cis-1,2-Dichloroethene
Concen: 9.951 ppbv
RT: 5.56 min Scan# 864
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.4	47.3	70.9
98	36.2	31.4	47.0

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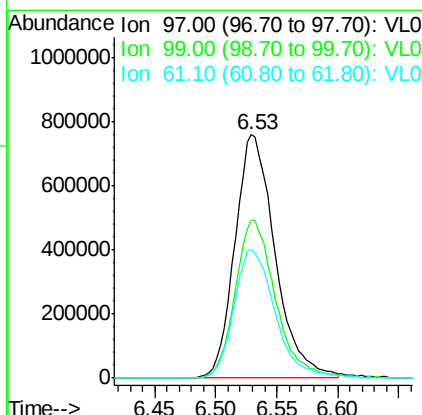
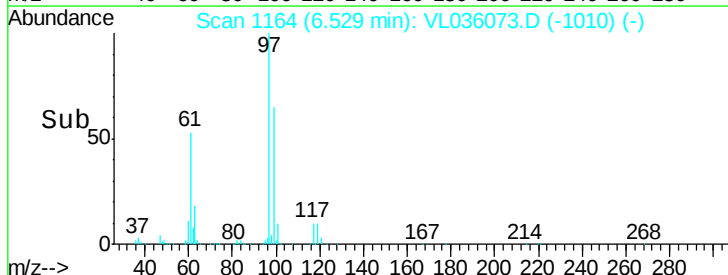
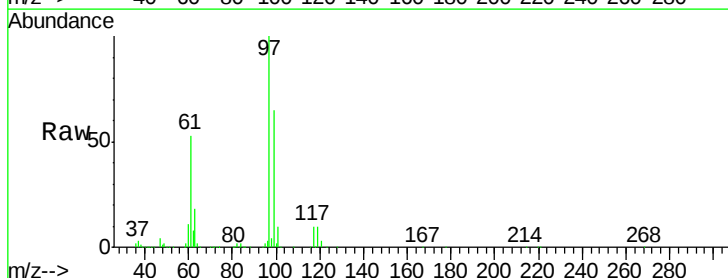
MMDadoda
12/10/2020 9:53:30 AM

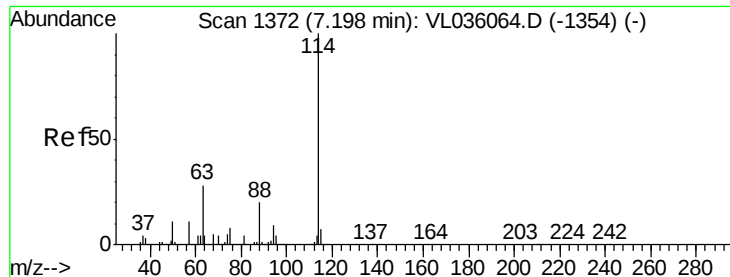


#32

1,1,1-Trichloroethane
Concen: 9.457 ppbv
RT: 6.53 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.4	78.6
61	54.3	43.4	65.0





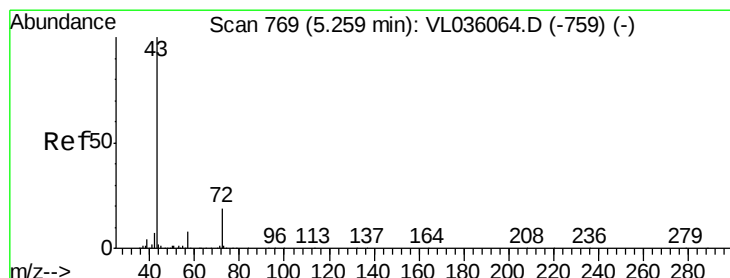
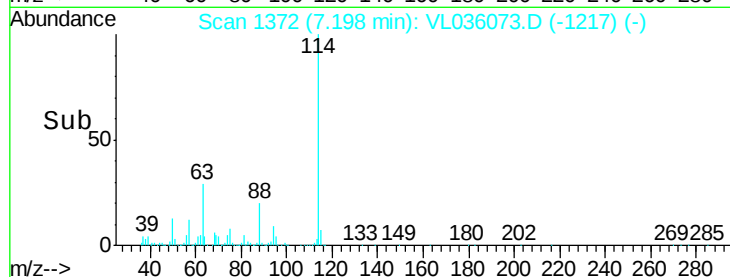
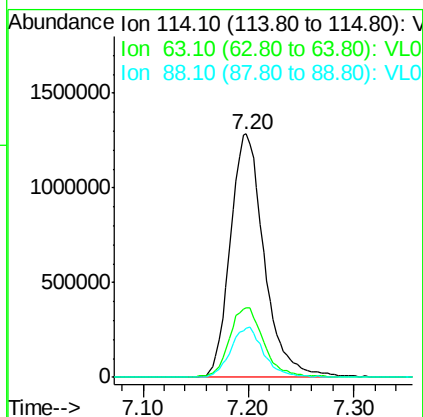
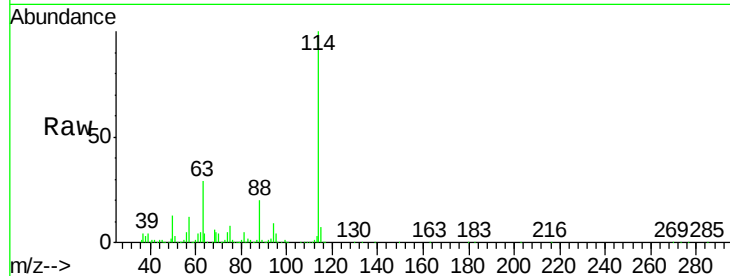
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.7	23.6	35.4
88	20.3	15.8	23.6

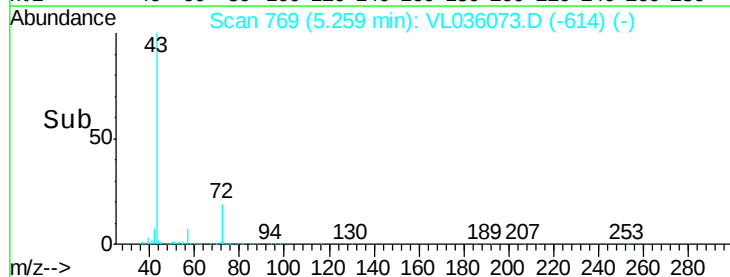
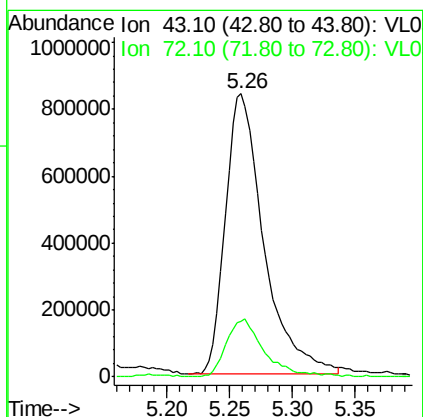
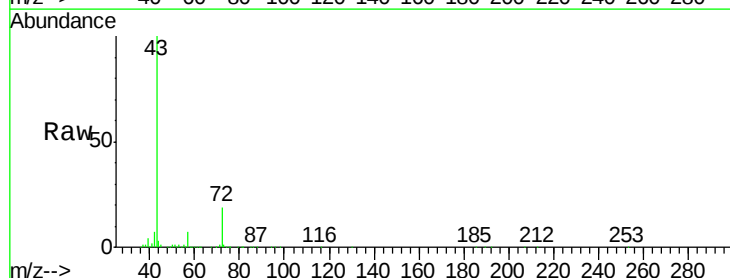
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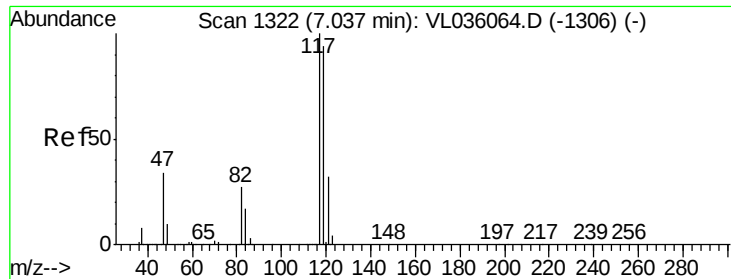
MMDadoda
 12/10/2020 9:53:30 AM



#34
 2-Butanone
 Concen: 9.427 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.5	16.5	24.7





#35

Carbon Tetrachloride

Concen: 10.265 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tot Ion:117 Resp: 1712447

Ion Ratio Lower Upper

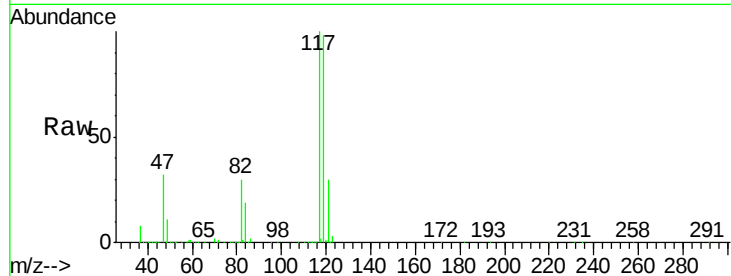
117 100

119 97.9 75.1 112.7

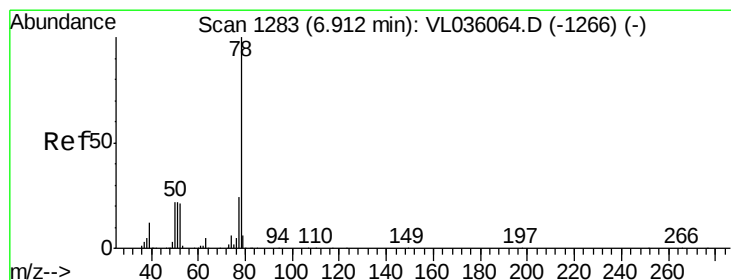
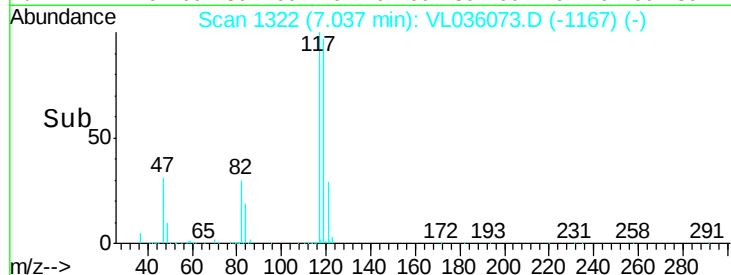
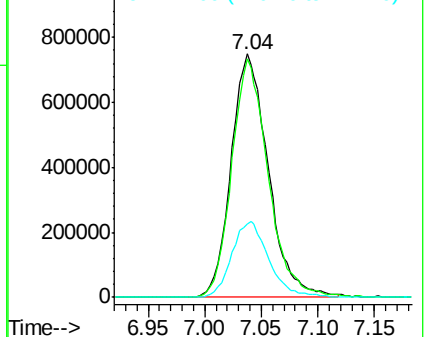
121 30.1 25.6 38.4

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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: 9.856 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

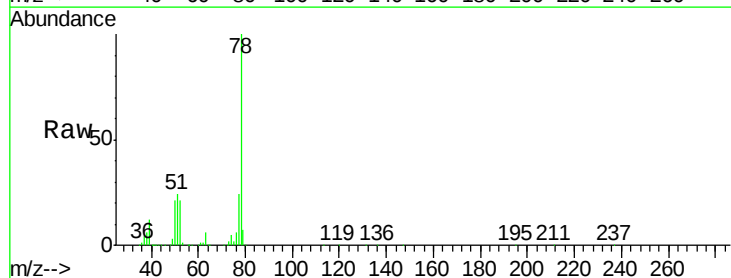
Tgt Ion: 78 Resp: 2389391

Ion Ratio Lower Upper

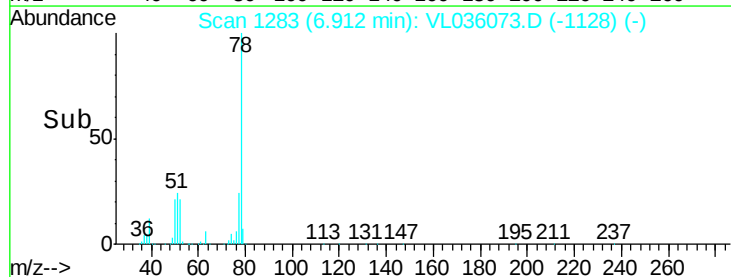
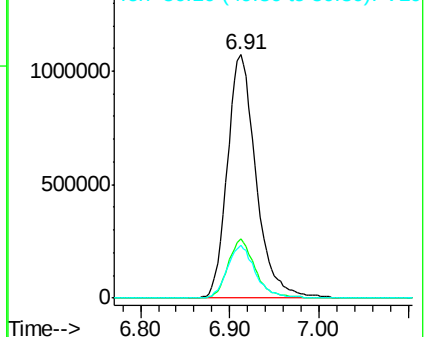
78 100

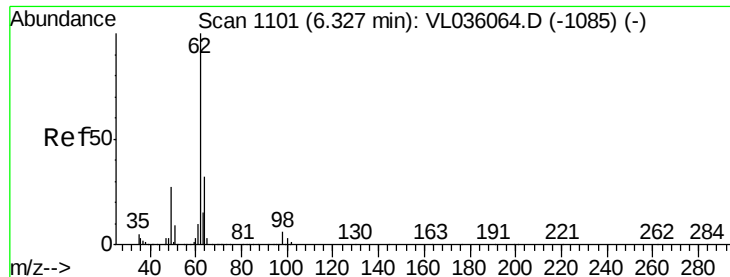
77 24.1 19.4 29.2

50 21.5 17.8 26.8



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





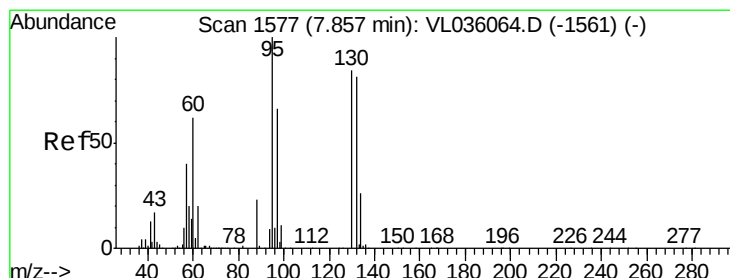
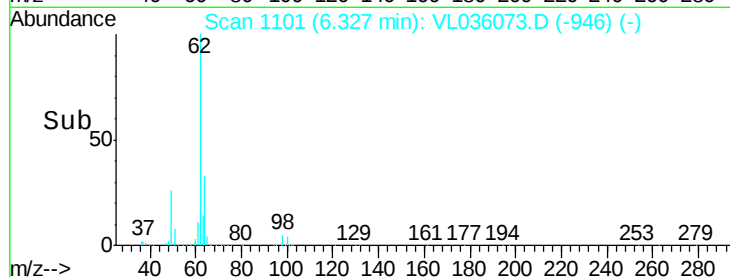
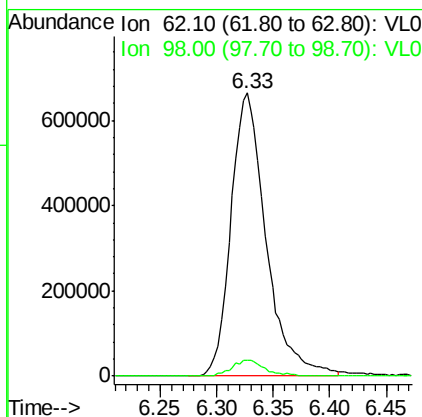
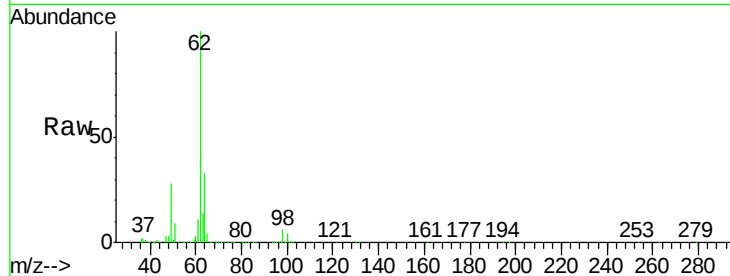
#37
 1,2-Dichloroethane
 Concen: 10.223 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.6	7.0

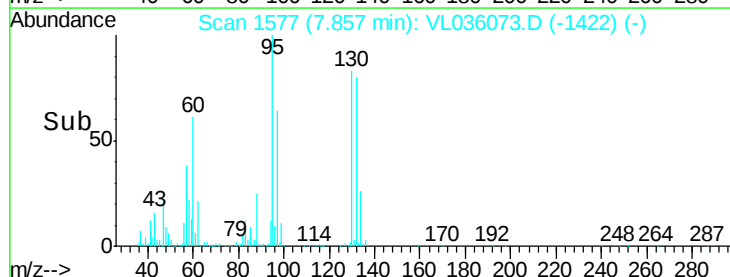
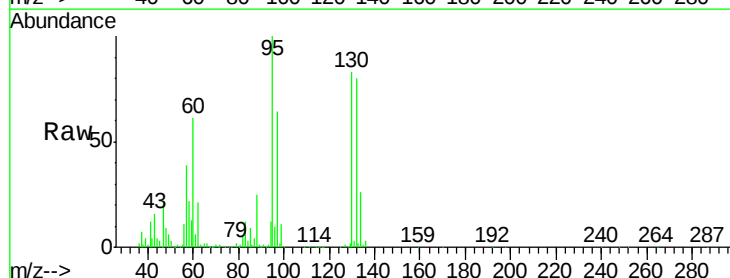
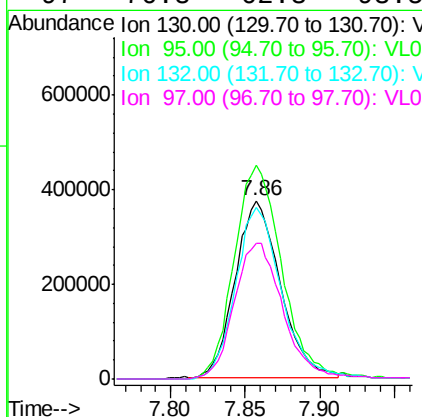
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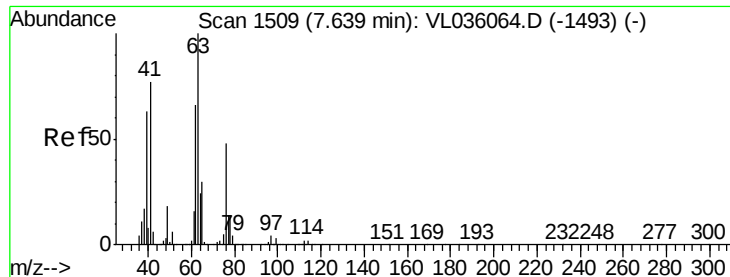
MMDadoda
 12/10/2020 9:53:30 AM



#38
 Trichloroethene
 Concen: 8.665 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	120.4	95.2	142.8
132	97.1	76.9	115.3
97	76.8	62.3	93.5





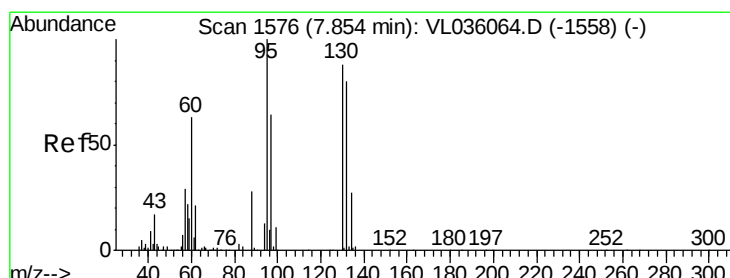
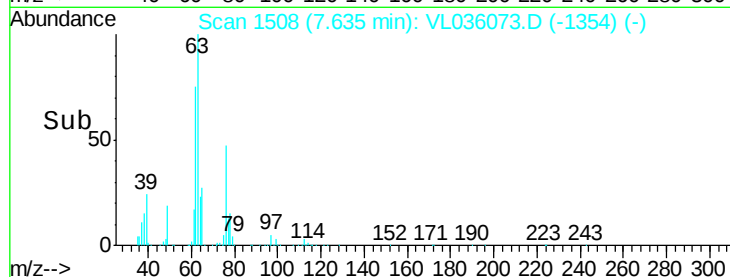
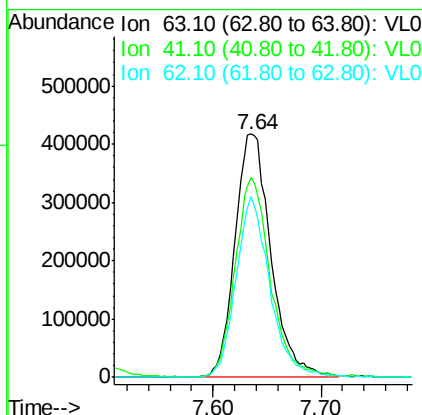
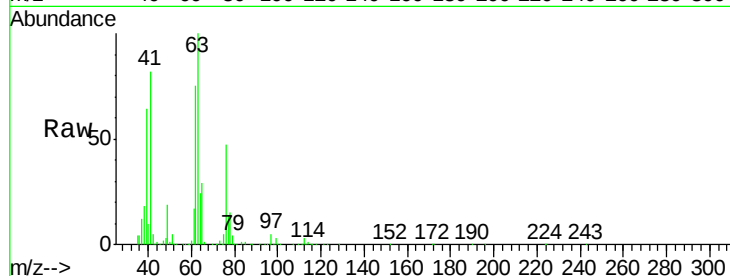
#39
 1,2-Dichloropropane
 Concen: 10.085 ppbv
 RT: 7.64 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	82.2	61.9	92.9
62	74.6	52.5	78.7

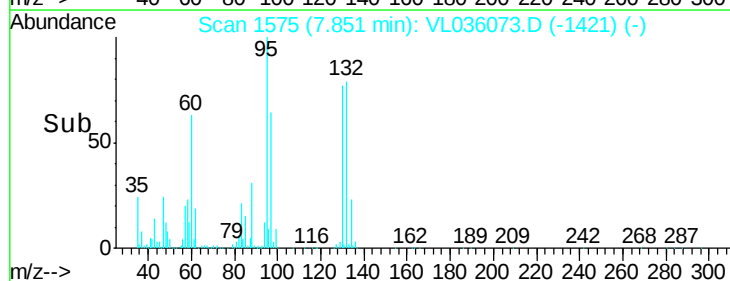
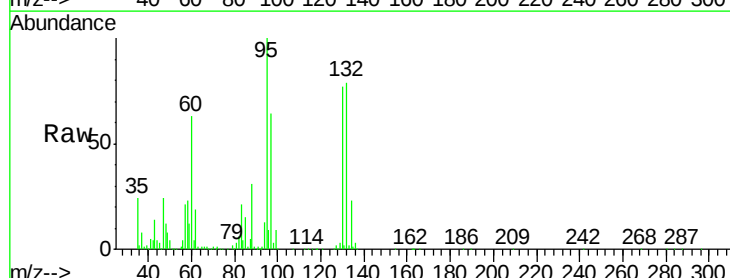
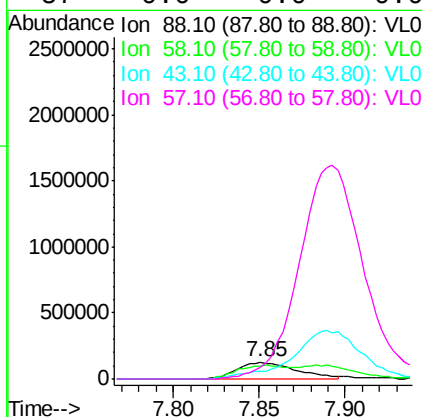
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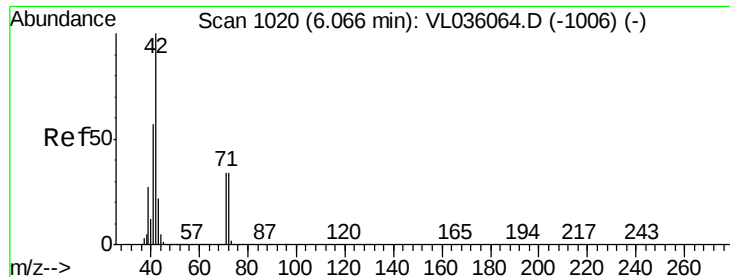
MMDadoda
 12/10/2020 9:53:30 AM



#40
 1,4-Dioxane
 Concen: 9.977 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	61.9	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





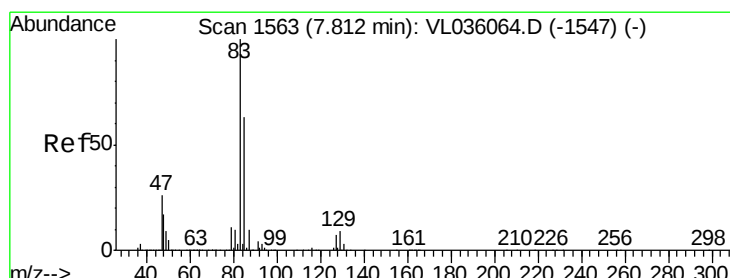
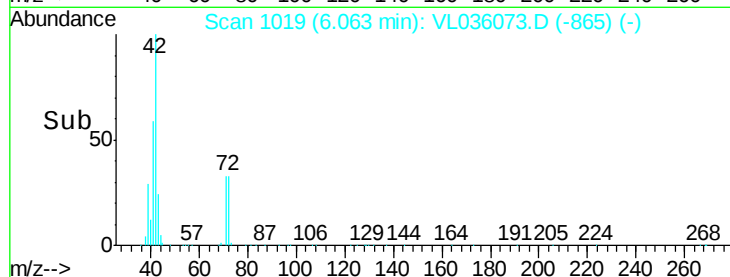
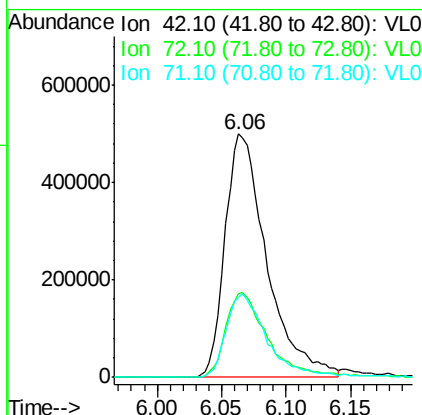
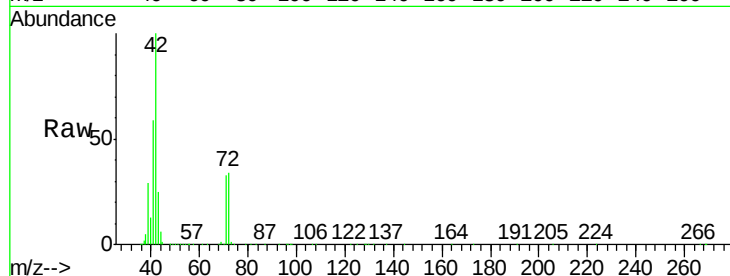
#41
Tetrahydrofuran
Concen: 9.968 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.3	28.3	42.5
71	34.0	27.3	40.9

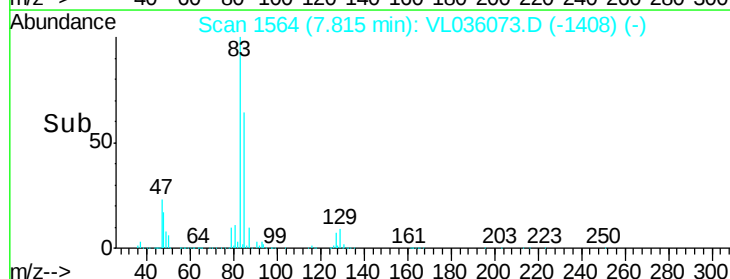
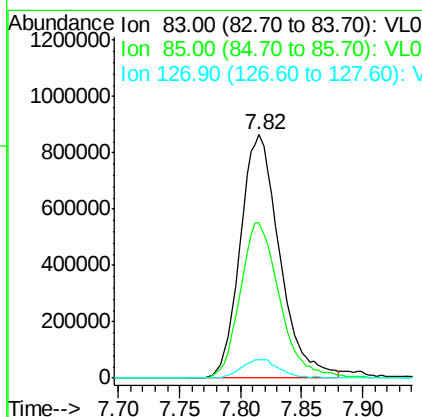
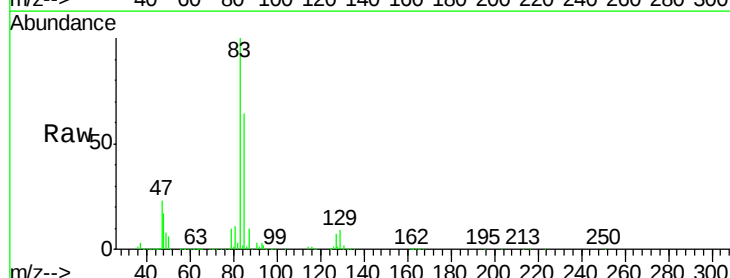
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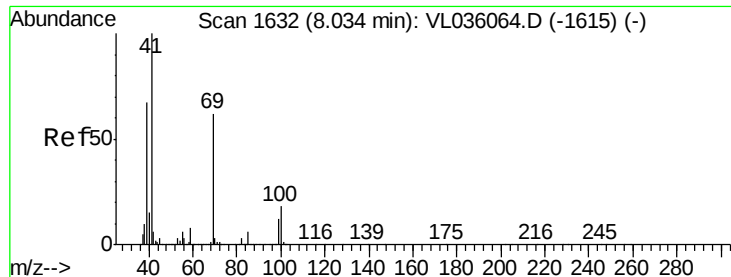
MMDadoda
12/10/2020 9:53:30 AM



#42
Bromodichloromethane
Concen: 10.279 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.2	75.2
127	7.3	5.5	8.3





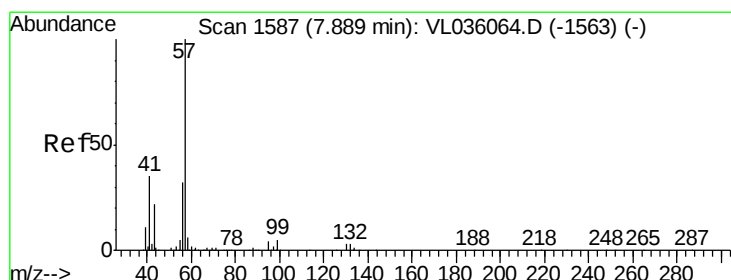
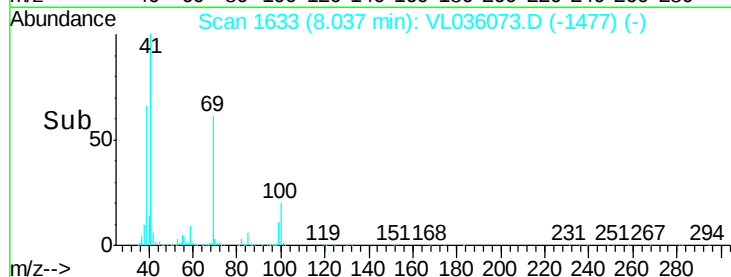
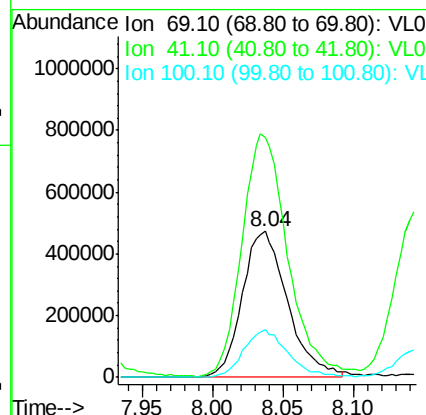
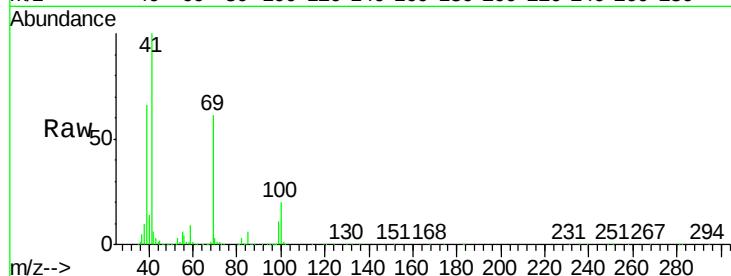
#43
Methvl Methacrilate
Concen: 10.233 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tot Ion: 69 Resp: 1064278
Ion Ratio Lower Upper
69 100
41 167.8 133.0 199.6
100 32.0 25.4 38.0

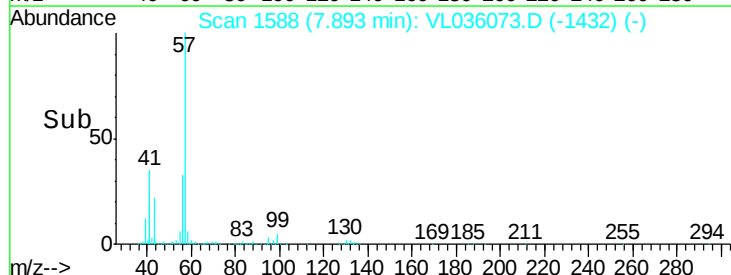
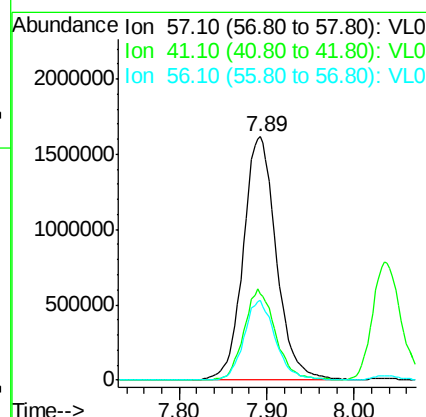
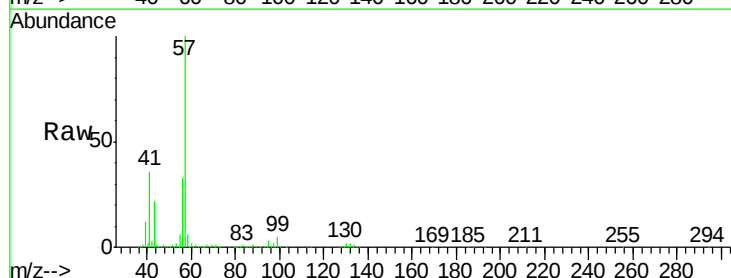
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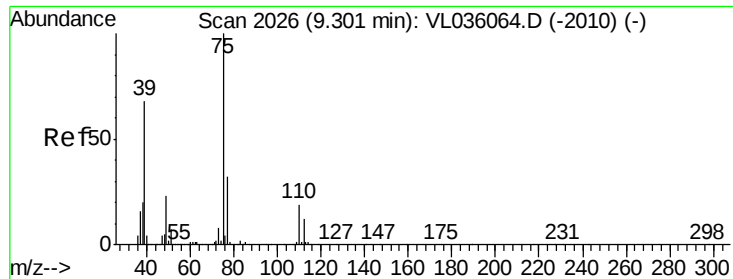
MMDadoda
12/10/2020 9:53:30 AM



#44
2,2,4-Trimethylpentane
Concen: 9.659 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion: 57 Resp: 4240747
Ion Ratio Lower Upper
57 100
41 35.4 28.9 43.3
56 31.2 25.3 37.9





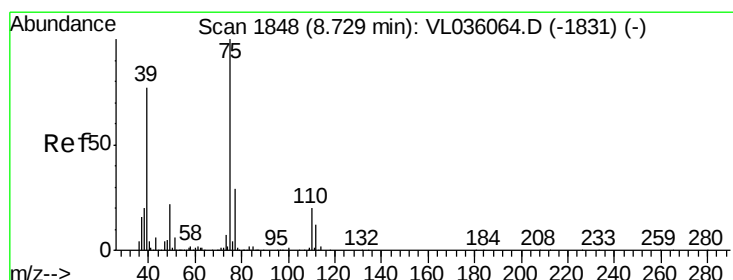
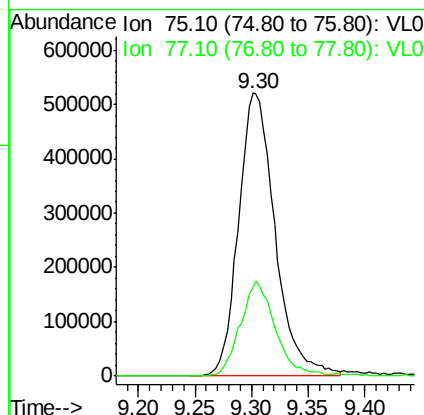
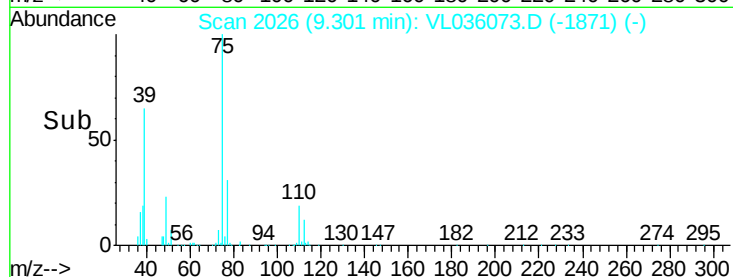
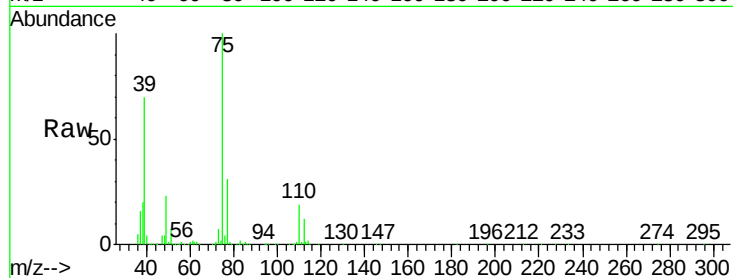
#45
t-1,3-Dichloropropene
Concen: 10.941 ppbv
RT: 9.30 min Scan# 2026
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tot Ion: 75 Resp: 1169090
Ion Ratio Lower Upper
75 100
77 31.4 26.0 39.0

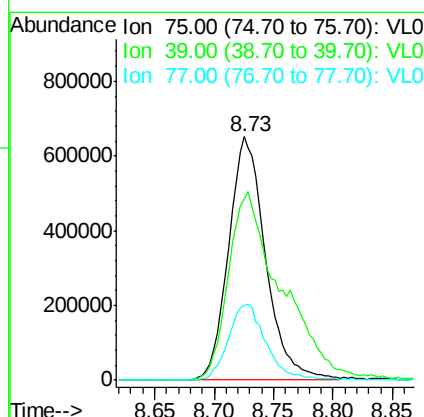
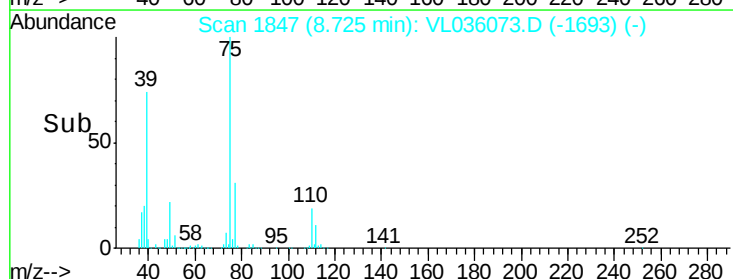
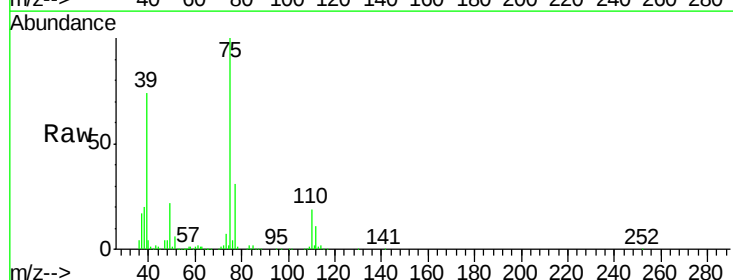
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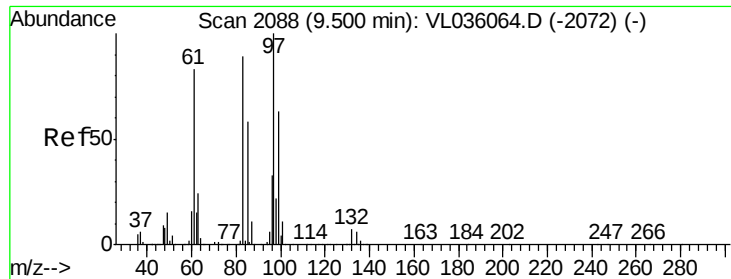
MMDadoda
12/10/2020 9:53:30 AM



#46
cis-1,3-Dichloropropene
Concen: 10.413 ppbv
RT: 8.73 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion: 75 Resp: 1394617
Ion Ratio Lower Upper
75 100
39 74.4 61.6 92.4
77 30.6 23.0 34.6





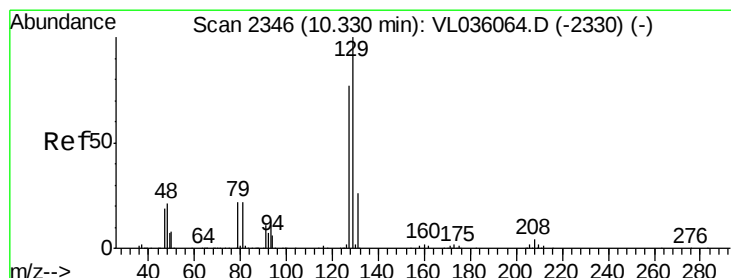
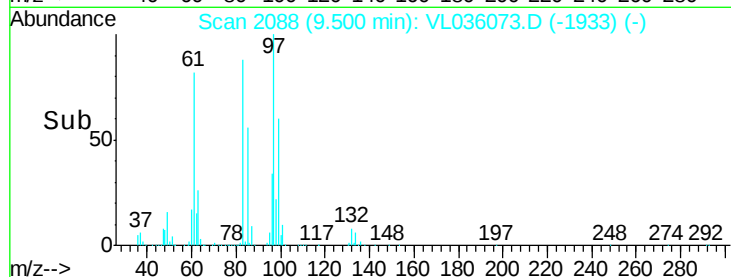
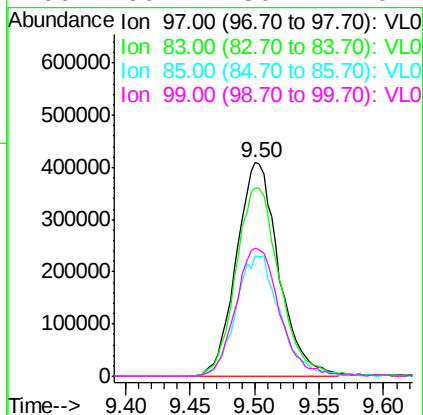
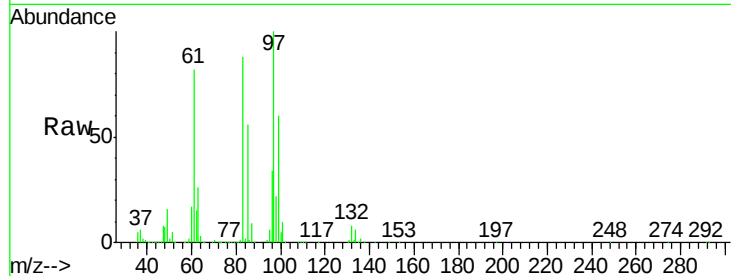
#47
 1,1,2-Trichloroethane
 Concen: 10.168 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.7	71.4	107.2
85	56.4	46.6	70.0
99	60.1	50.7	76.1

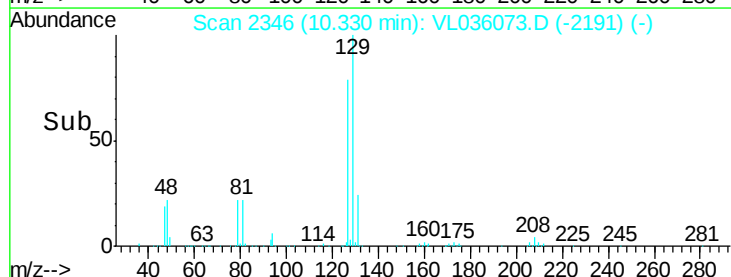
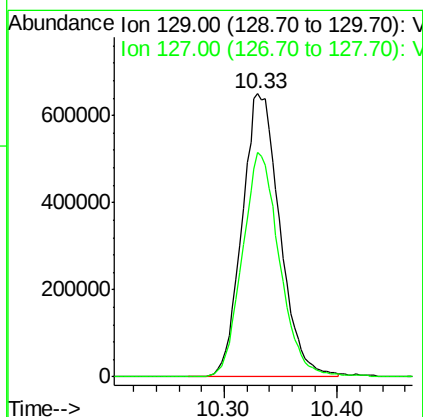
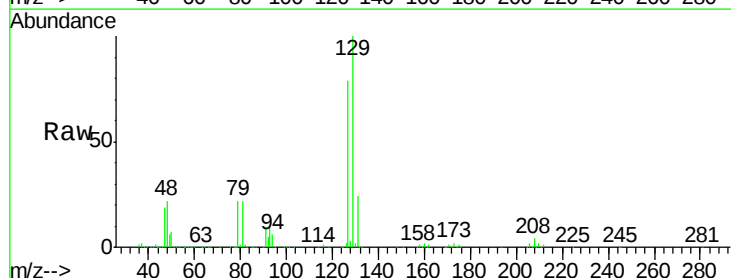
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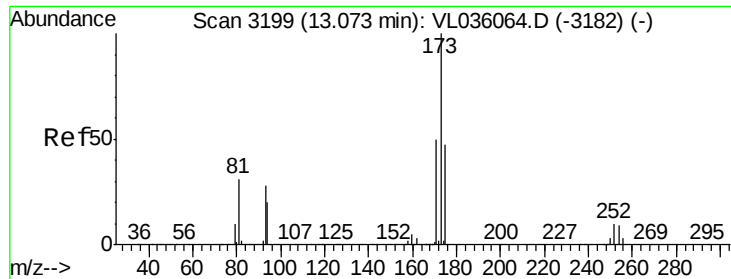
MMDadoda
 12/10/2020 9:53:30 AM



#48
 Dibromochloromethane
 Concen: 10.847 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.0	117.0





#49

Bromoform

Concen: 11.594 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tot Ion:173 Resp: 1269344

Ion Ratio Lower Upper

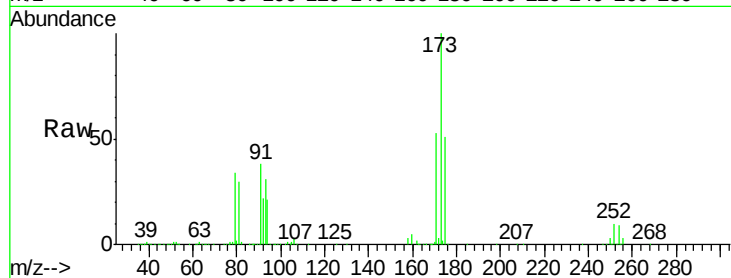
173 100

175 50.1 39.8 59.6

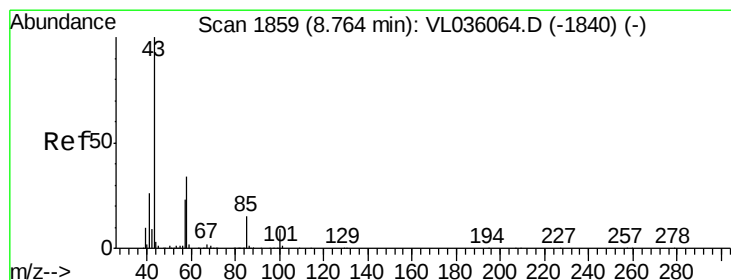
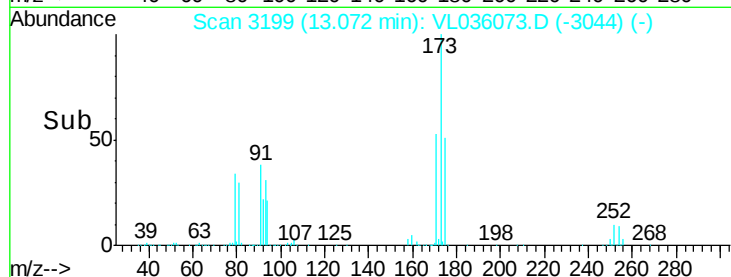
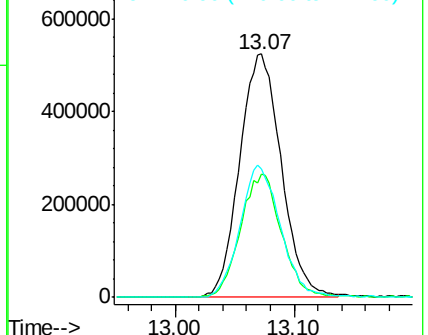
171 53.1 42.5 63.7

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



#50

4-Methyl-2-Pentanone

Concen: 10.119 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VL036073.D

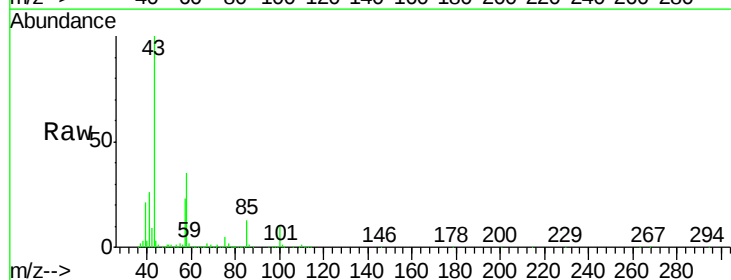
Acq: 7 Dec 2020 19:49

Tgt Ion: 43 Resp: 2863667

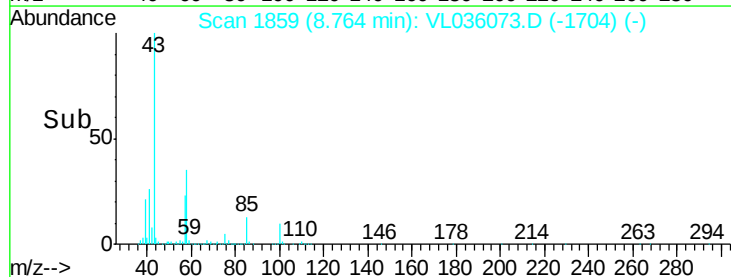
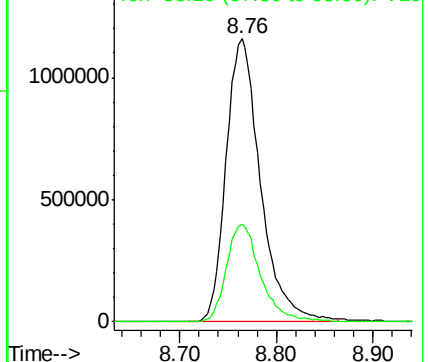
Ion Ratio Lower Upper

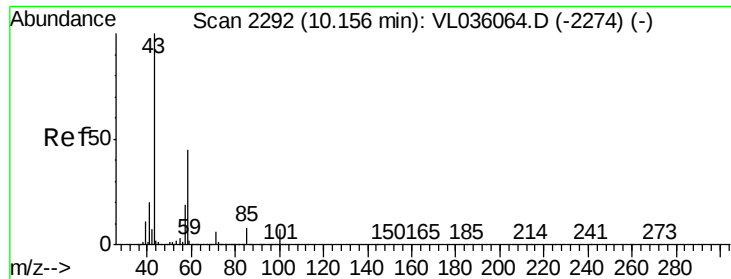
43 100

58 34.5 27.4 41.2



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





#51

2-Hexanone

Concen: 10.605 ppbv

RT: 10.16 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tot Ion: 43 Resp: 2345874

Ion Ratio Lower Upper

43 100

58 46.8 38.7 58.1

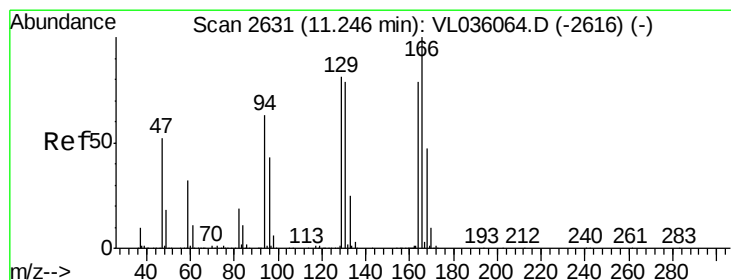
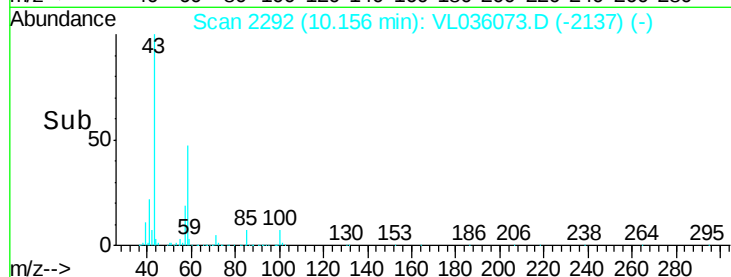
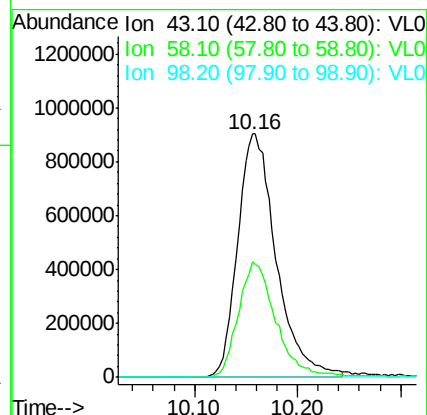
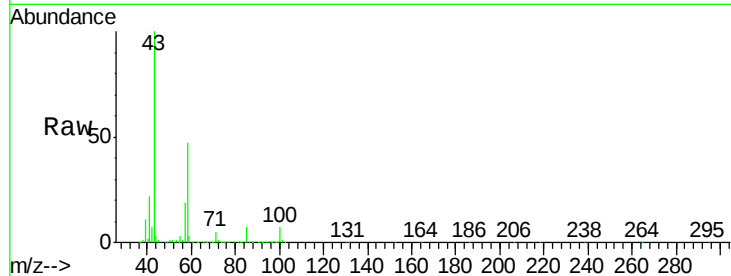
98 0.1 0.1 0.1

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#52

Tetrachloroethene

Concen: 8.958 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. 0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Tgt Ion: 164 Resp: 786151

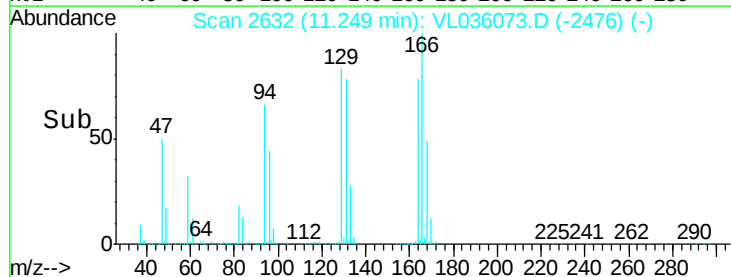
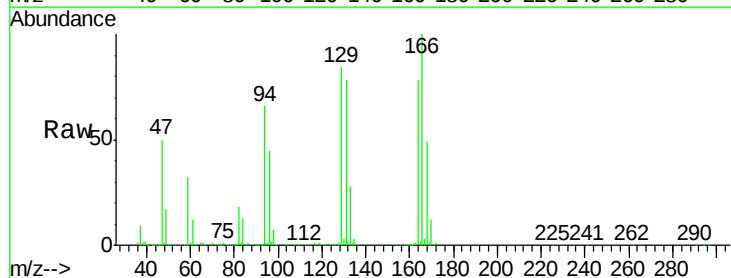
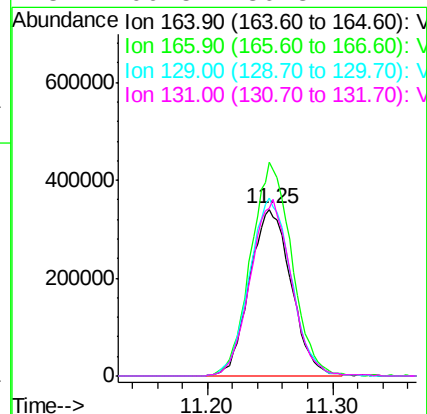
Ion Ratio Lower Upper

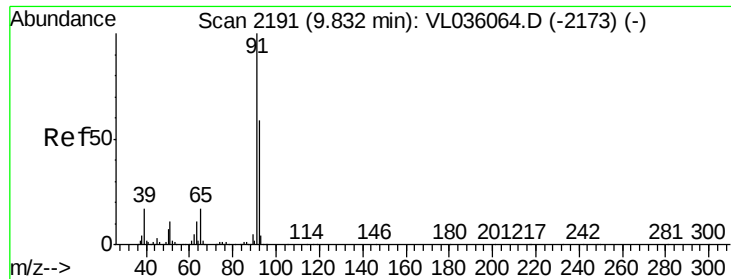
164 100

166 128.3 101.9 152.9

129 107.1 82.1 123.1

131 100.5 80.8 121.2





#53

Toluene

Concen: 9.960 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tot Ion: 91 Resp: 2711418

Ion Ratio Lower Upper

91 100

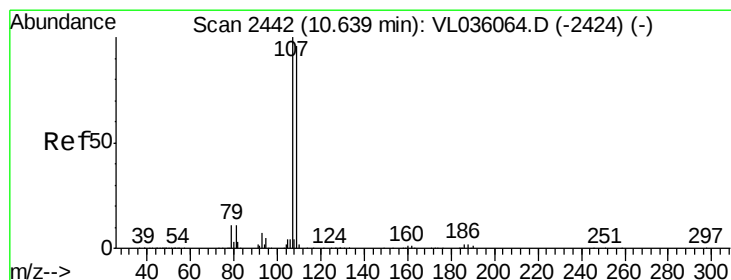
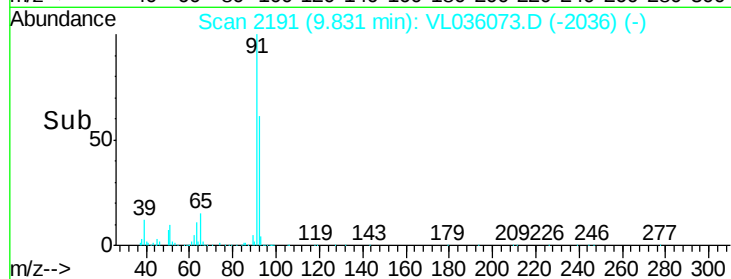
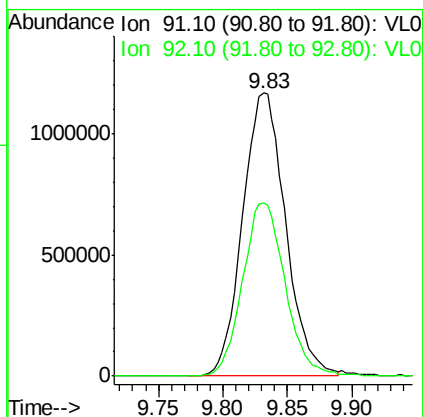
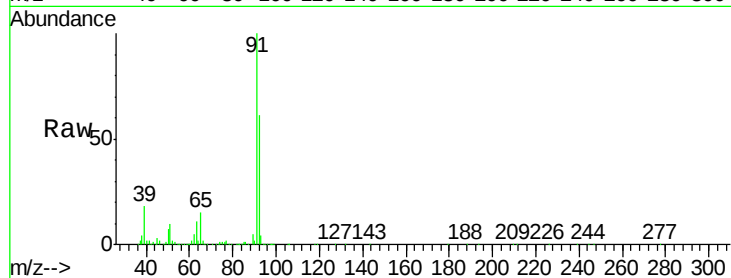
92 60.9 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 10.178 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. -0.00 min

Lab File: VL036073.D

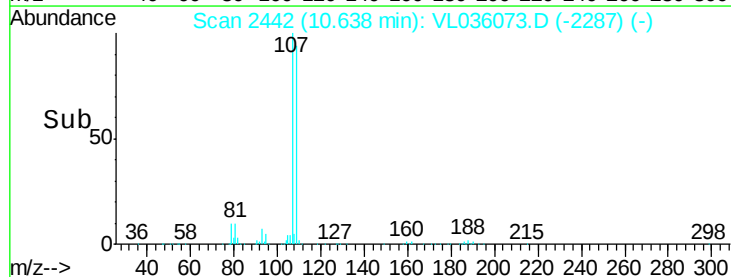
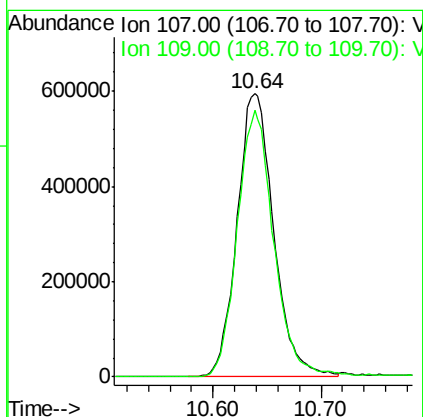
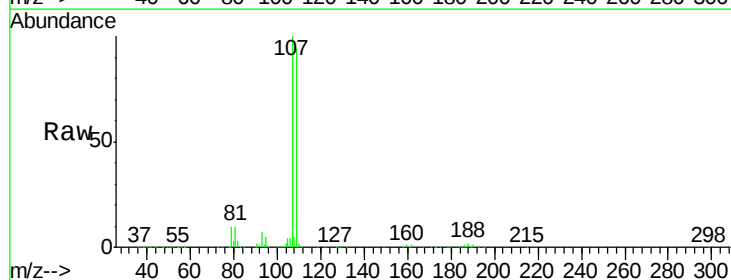
Acq: 7 Dec 2020 19:49

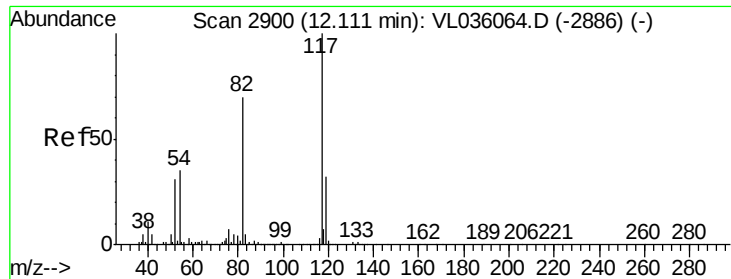
Tgt Ion:107 Resp: 1405245

Ion Ratio Lower Upper

107 100

109 94.1 76.6 115.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. 0.01 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tot Ion:117 Resp: 2722468

Ion Ratio Lower Upper

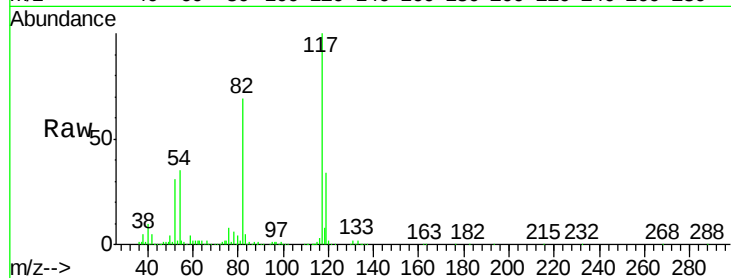
117 100

82 71.0 0.0 0.0#

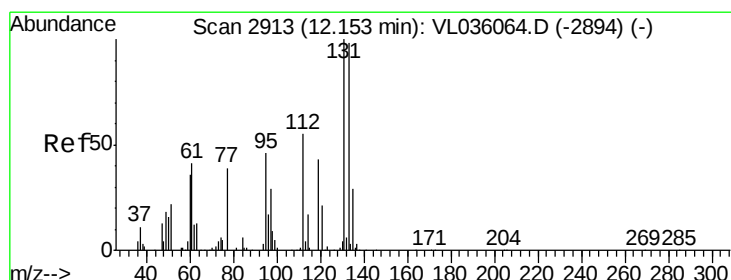
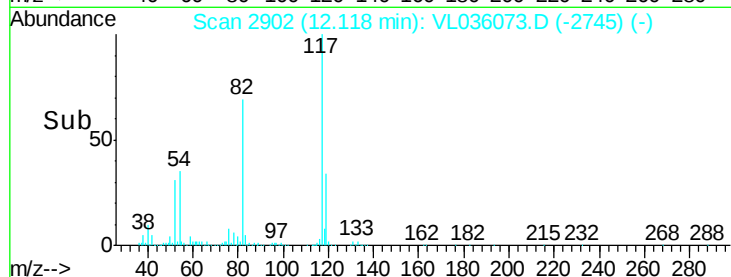
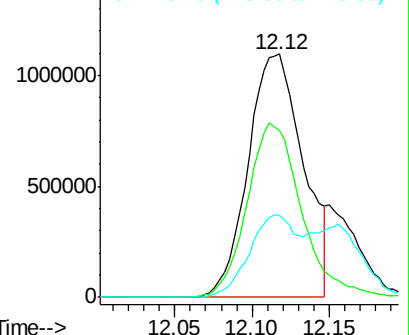
119 33.9 0.0 0.0#

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Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.974 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

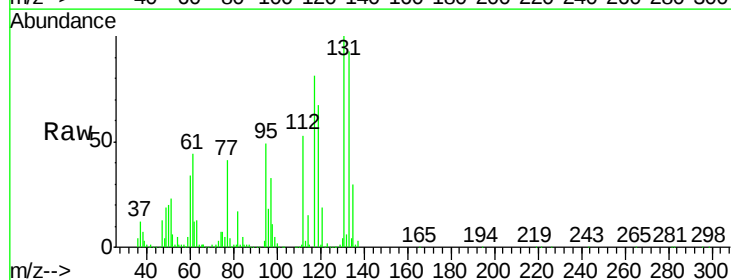
Tgt Ion:131 Resp: 1125895

Ion Ratio Lower Upper

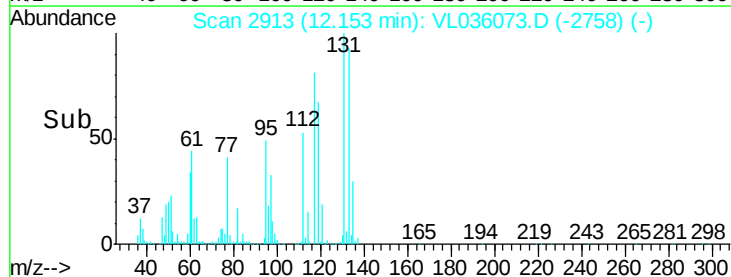
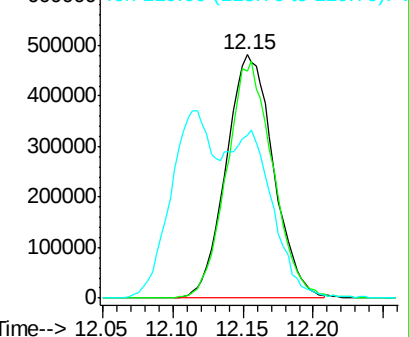
131 100

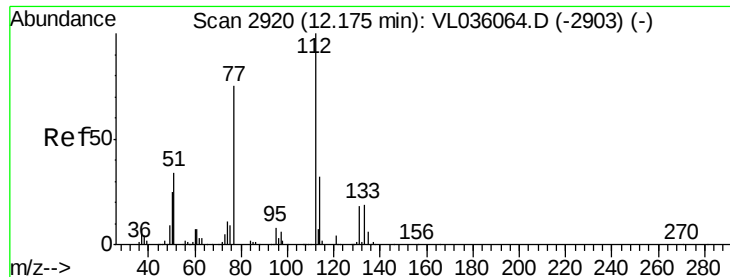
133 95.6 77.7 116.5

119 55.8 51.6 77.4



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





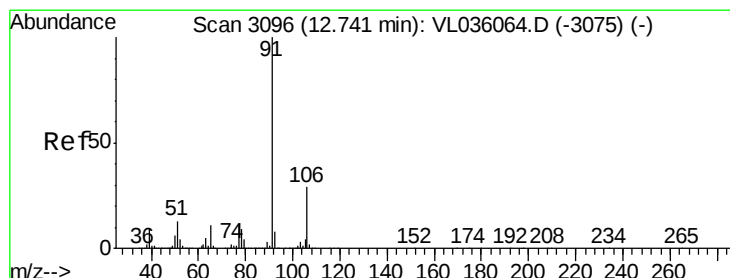
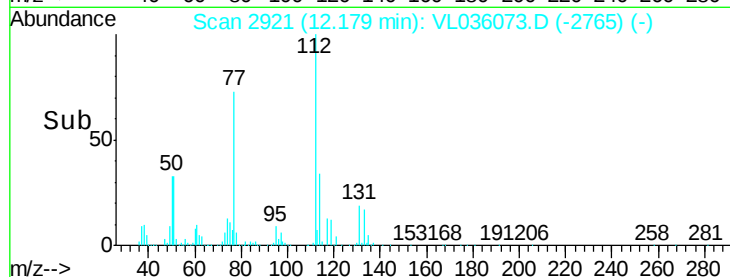
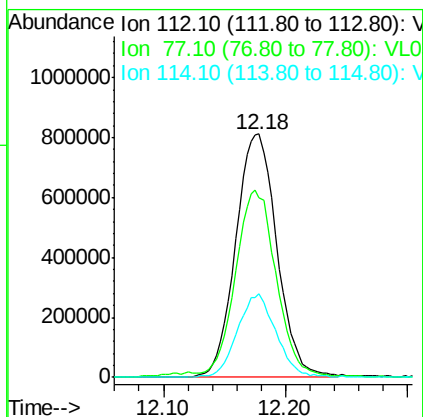
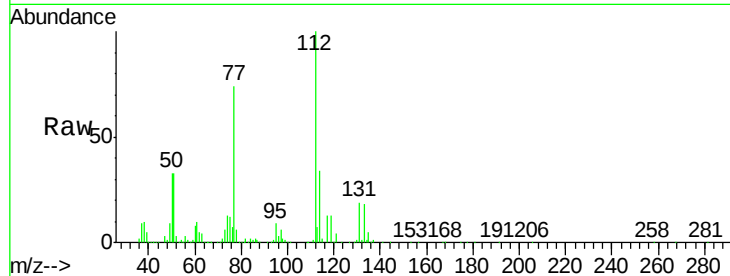
#57
Chlorobenzene
Concen: 9.885 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. 0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	72.8	60.5	90.7
114	34.3	29.2	35.6

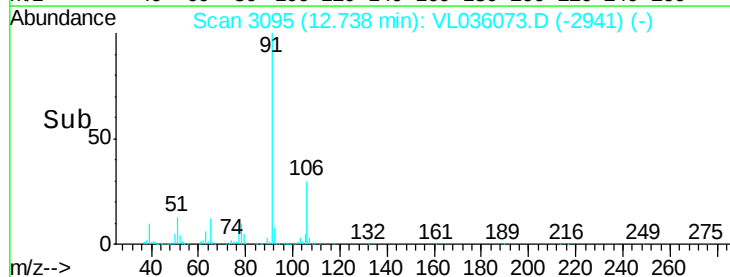
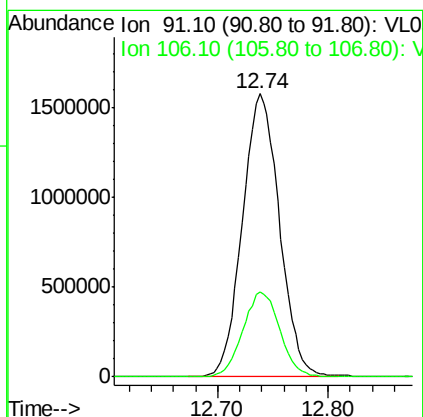
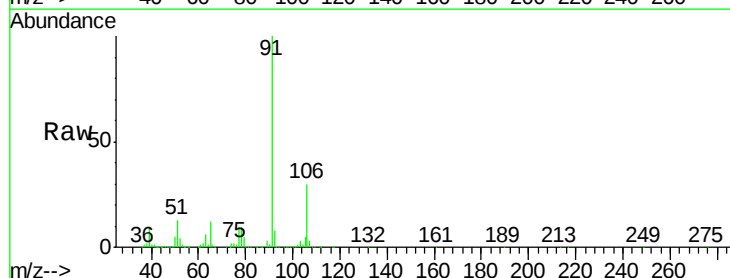
Manual Integrations
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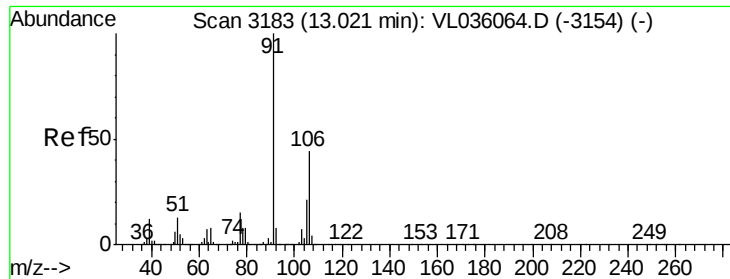
MMDadoda
12/10/2020 9:53:30 AM



#58
Ethyl Benzene
Concen: 9.849 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.0	34.4





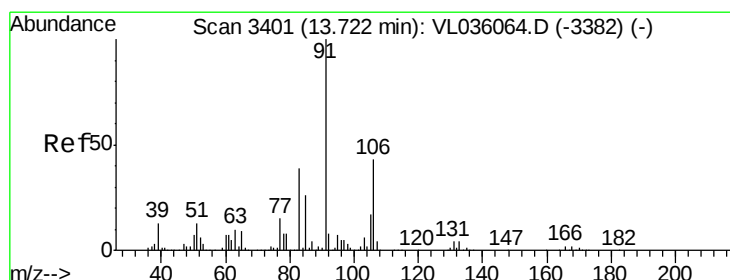
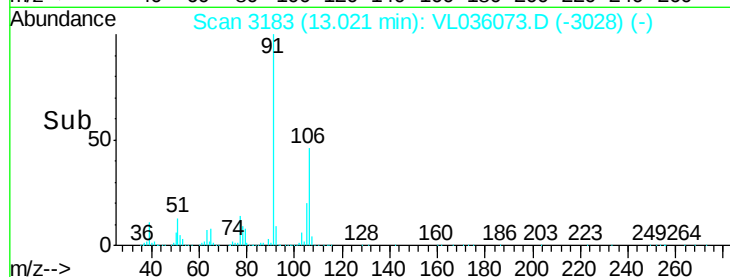
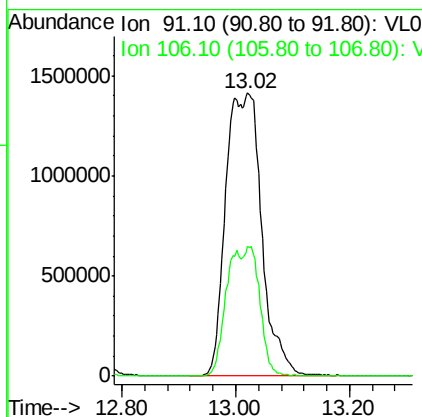
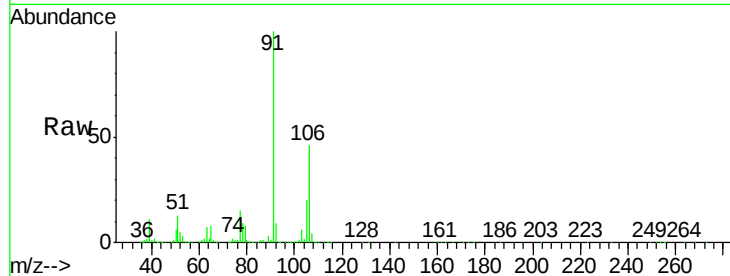
#59
m/p-Xylene
Concen: 19.754 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tot Ion: 91 Resp: 6207691
Ion Ratio Lower Upper
91 100
106 41.6 33.6 50.4

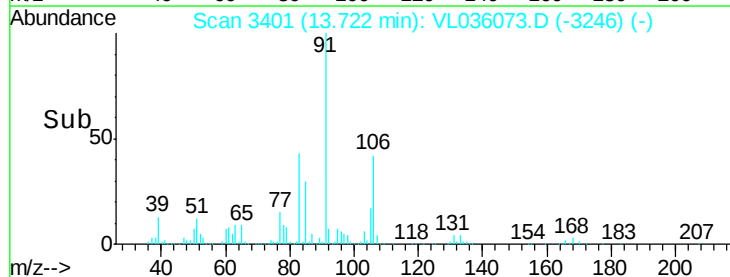
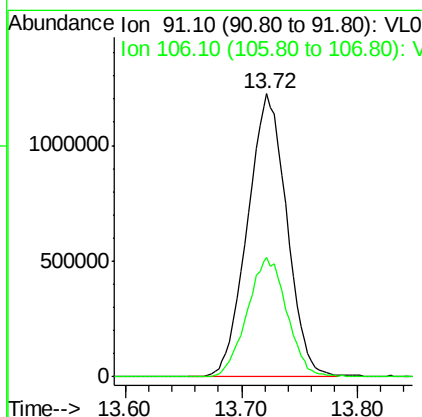
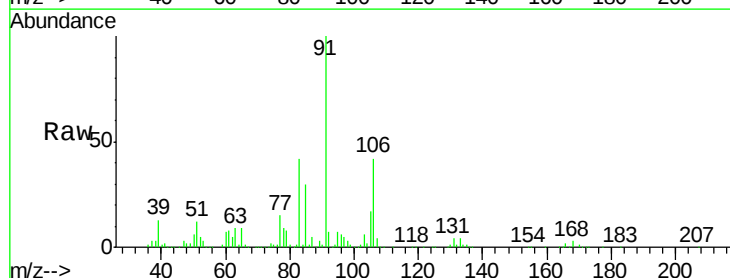
Manual Integrations
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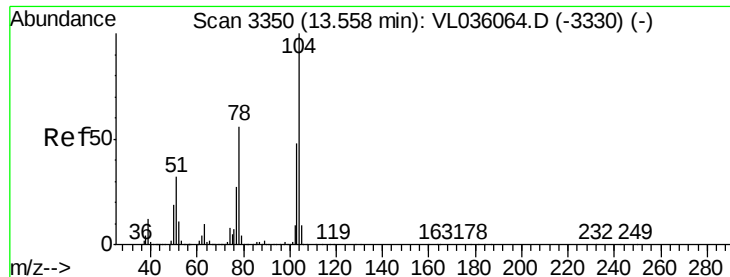
MMDadoda
12/10/2020 9:53:30 AM



#60
o-Xylene
Concen: 9.705 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion: 91 Resp: 2873306
Ion Ratio Lower Upper
91 100
106 42.7 21.6 64.6





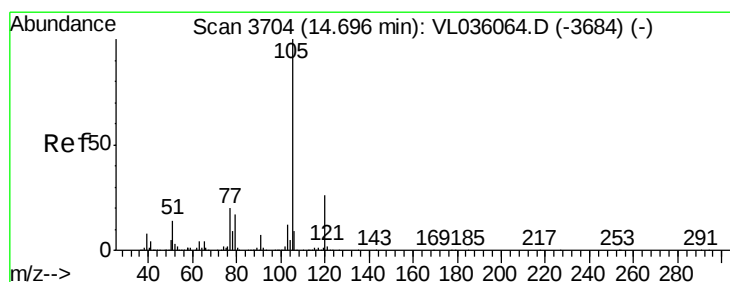
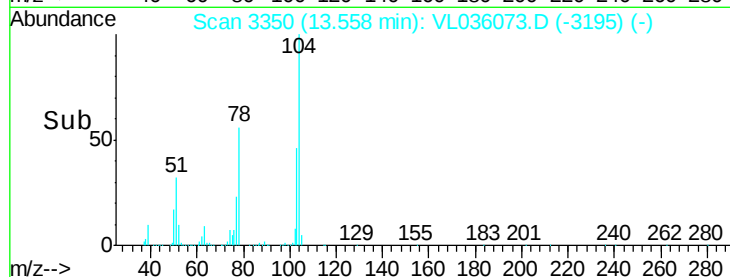
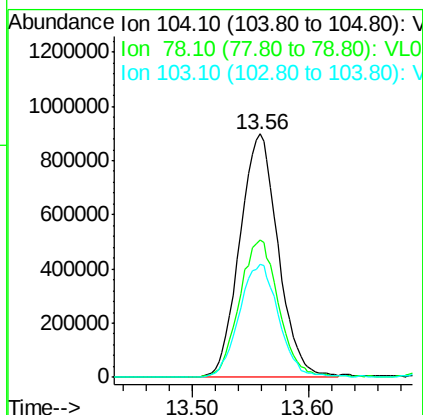
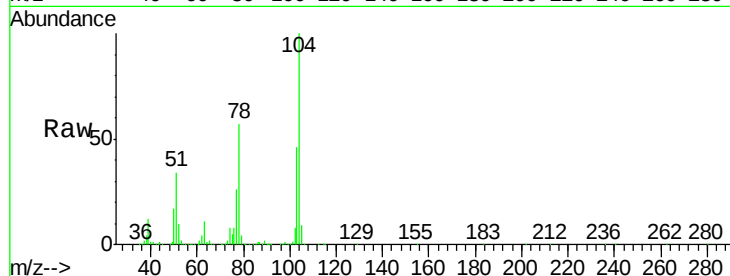
#61
Stvrene
Concen: 10.889 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	58.0	45.8	68.8
103	48.1	38.6	57.8

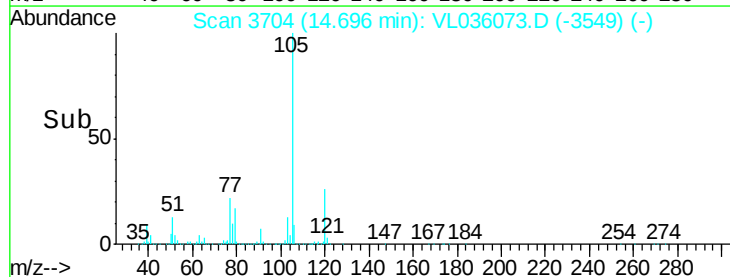
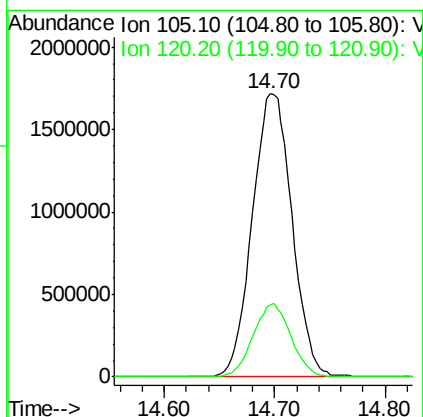
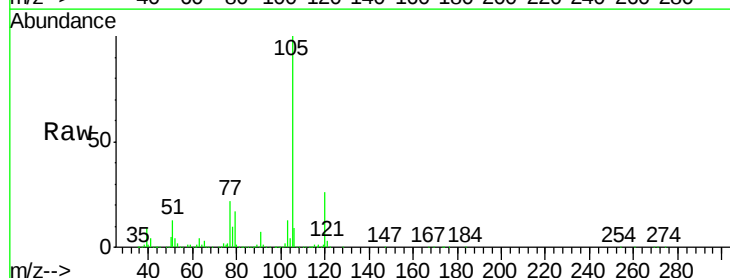
Manual Integrations
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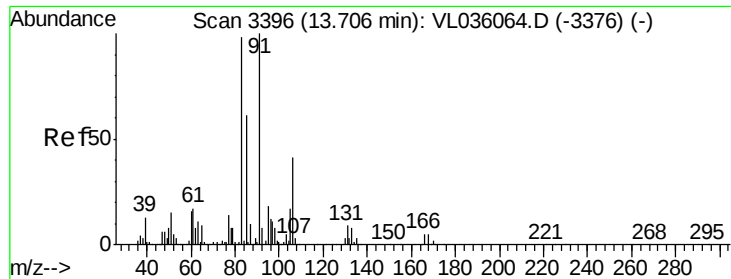
MMDadoda
12/10/2020 9:53:30 AM



#62
Isopropylbenzene
Concen: 9.772 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.8	20.1	30.1





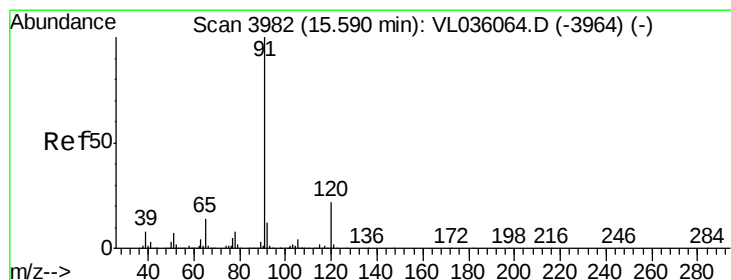
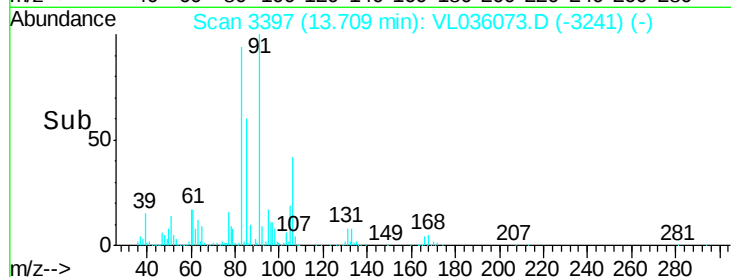
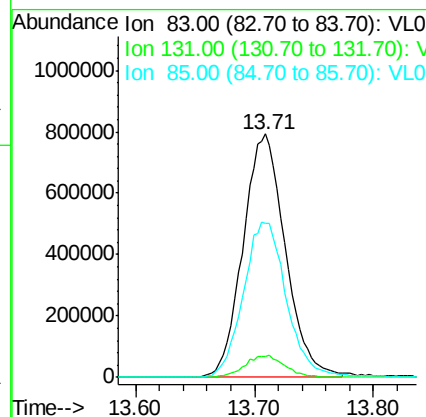
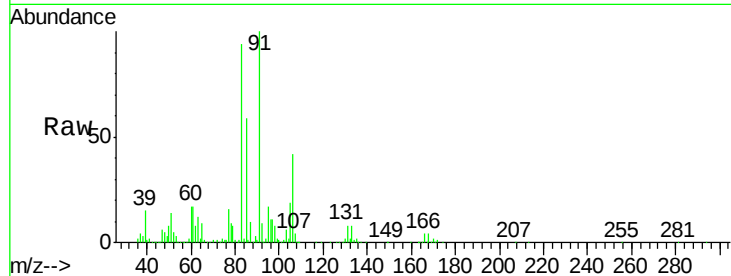
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.743 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tot Ion	83	Resp	1942657
Ion Ratio	100	Lower	Upper
83	100		
131	8.8	4.6	13.8
85	65.5	32.5	97.5

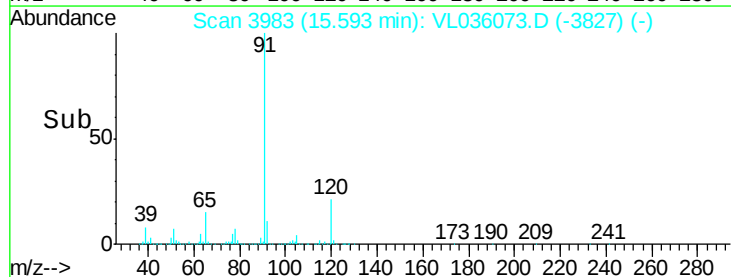
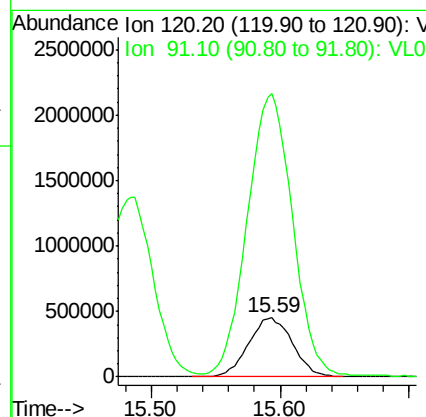
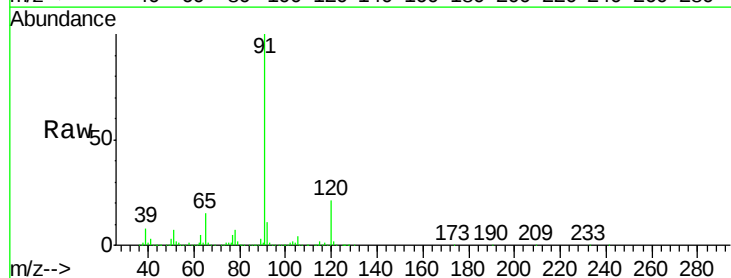
Manual Integrations
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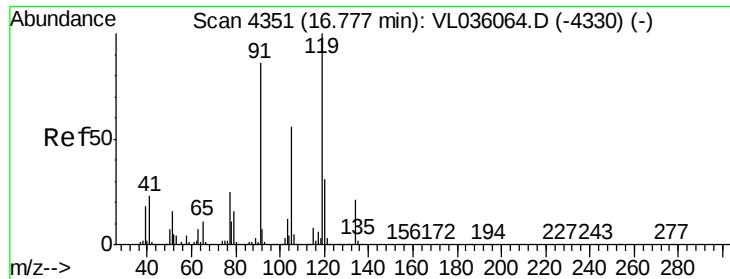
MMDadoda
 12/10/2020 9:53:30 AM



#64
 n-propylbenzene
 Concen: 10.156 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. 0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion	120	Resp	1072269
Ion Ratio	100	Lower	Upper
120	100		
91	495.2	388.9	583.3





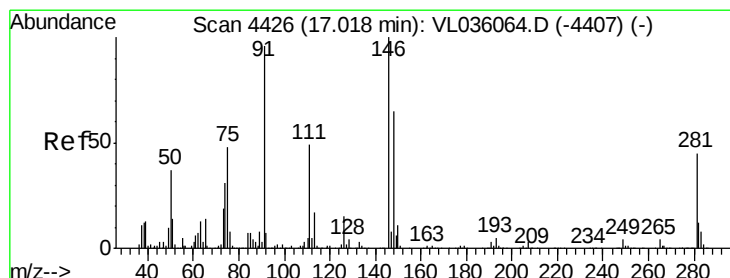
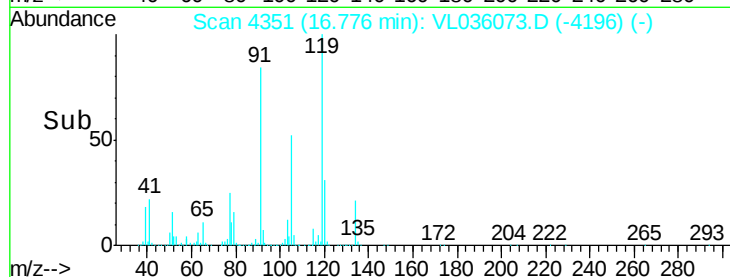
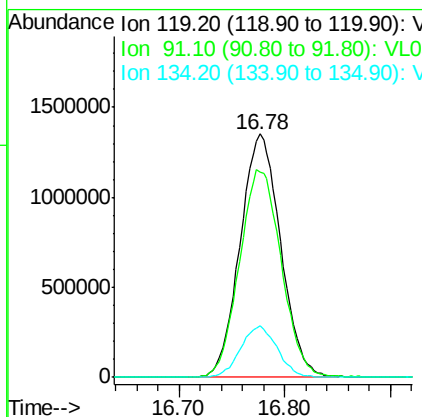
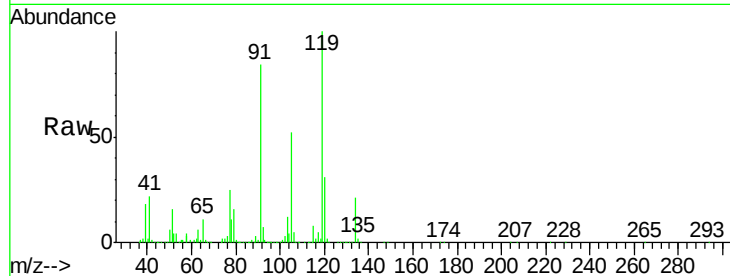
#65
tert-Butylbenzene
Concen: 10.045 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tot Ion:119 Resp: 3608192
Ion Ratio Lower Upper
119 100
91 88.2 70.2 105.2
134 19.3 15.8 23.6

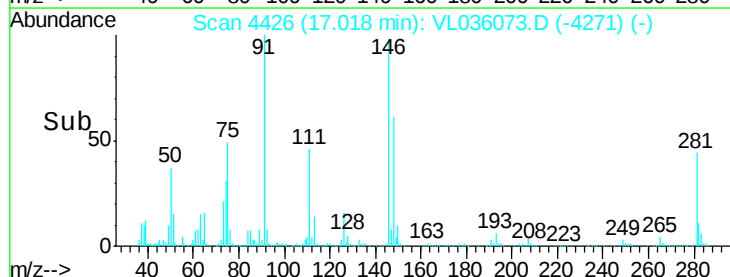
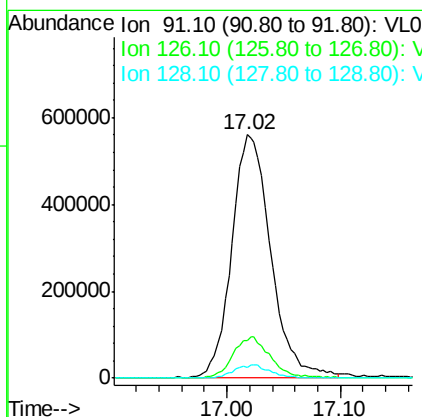
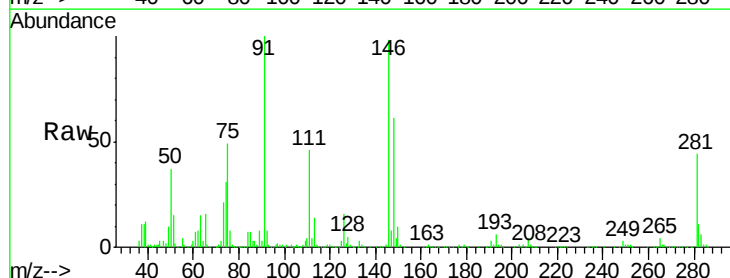
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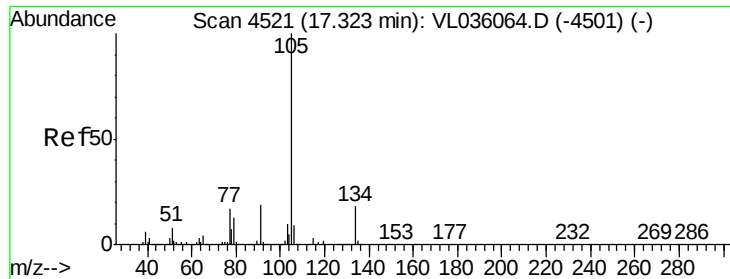
MMDadoda
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#66
Benzyl Chloride
Concen: 14.911 ppbv
RT: 17.02 min Scan# 4426
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion: 91 Resp: 1333777
Ion Ratio Lower Upper
91 100
126 16.7 13.5 20.3
128 5.2 4.4 6.6





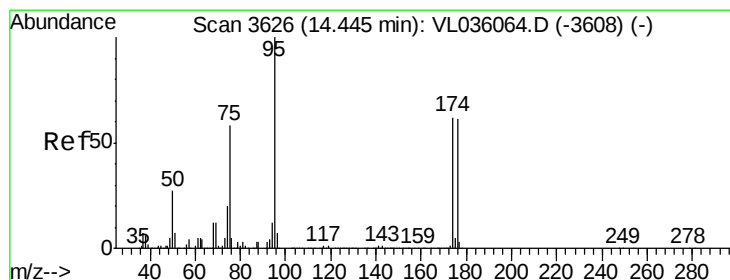
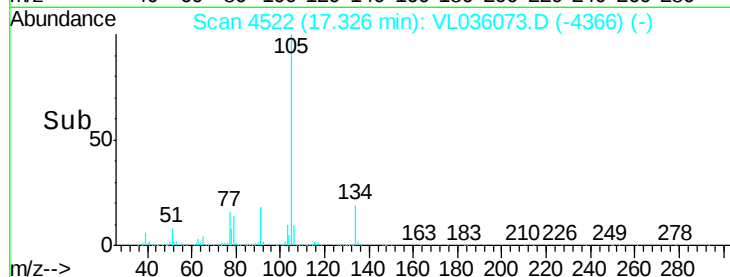
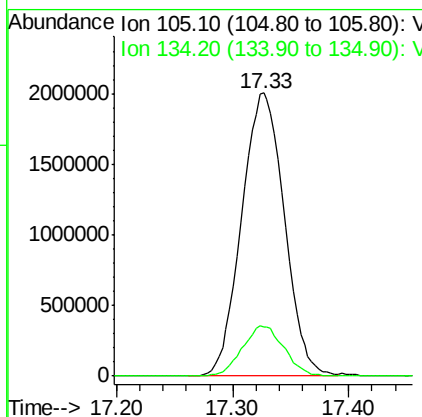
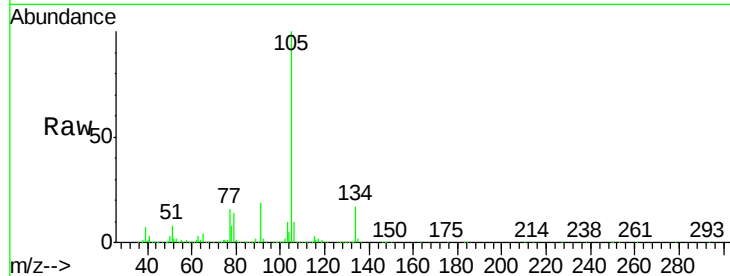
#67
 sec-Butylbenzene
 Concen: 10.229 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. 0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tot Ion: 105 Resp: 5142346
 Ion Ratio Lower Upper
 105 100
 134 17.3 14.2 21.4

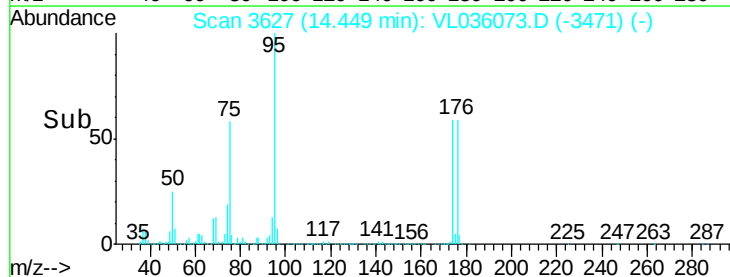
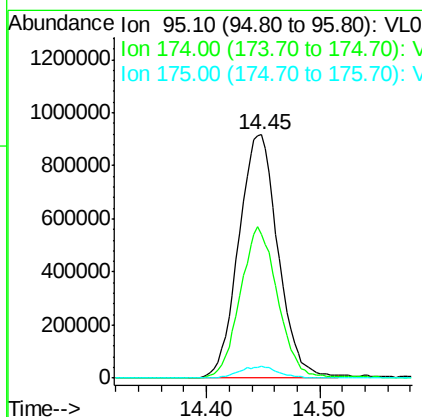
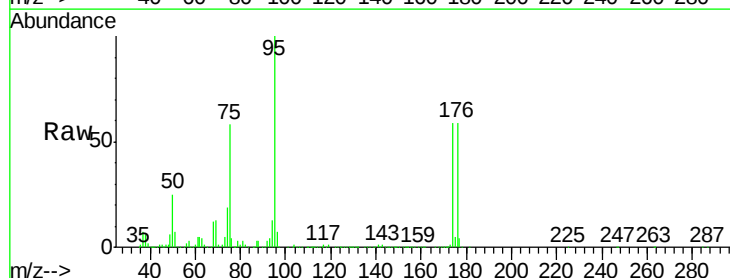
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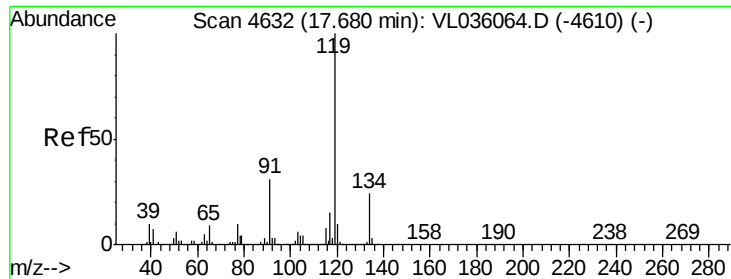
MMDadoda
 12/10/2020 9:53:30 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.251 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. 0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion: 95 Resp: 2216079
 Ion Ratio Lower Upper
 95 100
 174 60.1 50.7 76.1
 175 4.8 4.0 6.0





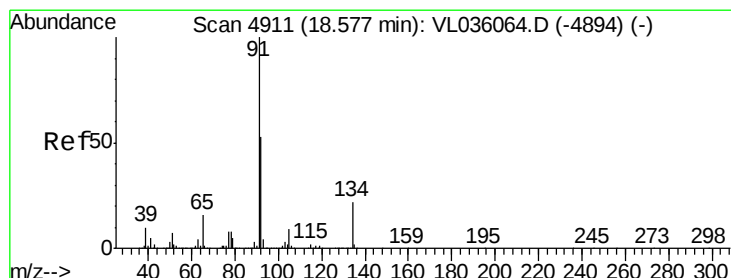
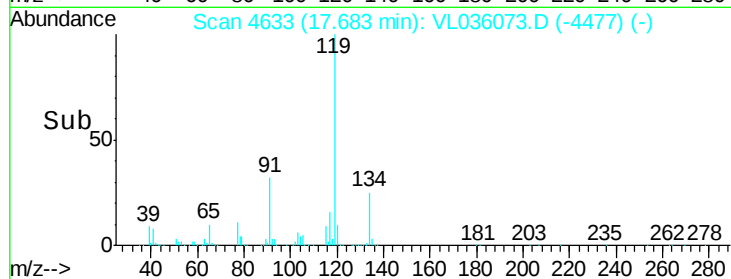
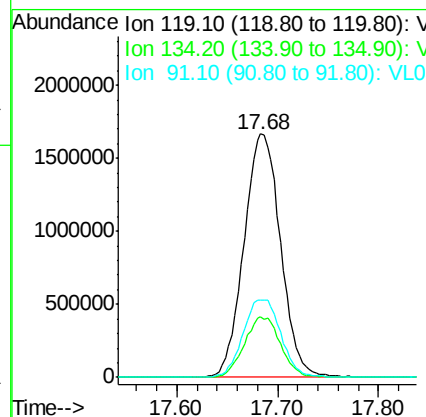
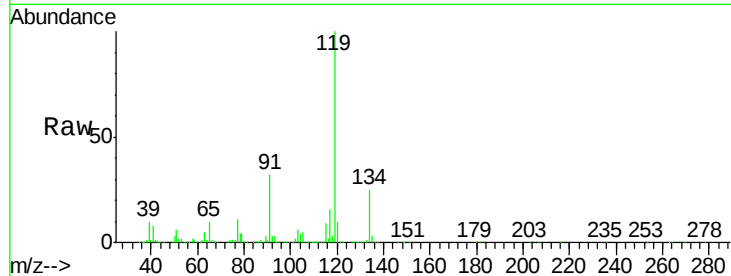
#69
 p-Isopropyltoluene
 Concen: 10.468 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. 0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.6	19.8	29.6
91	32.8	25.8	38.6

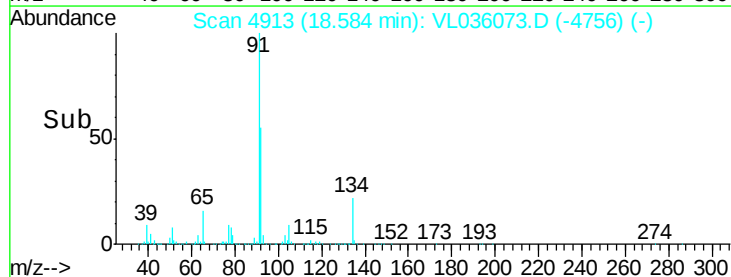
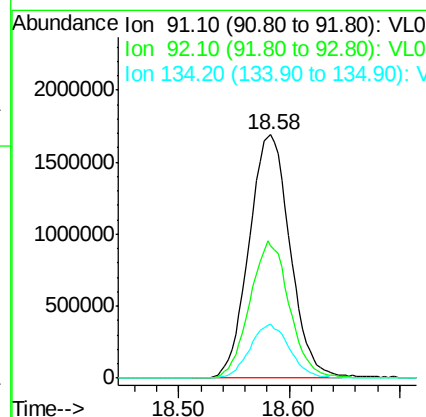
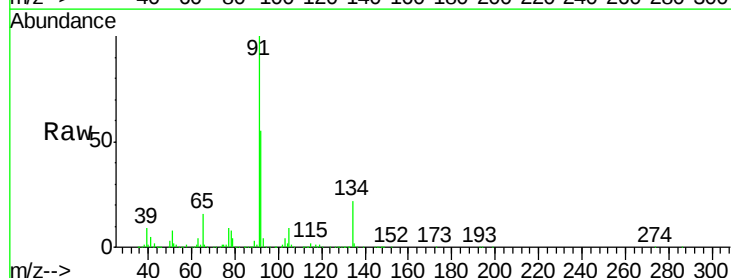
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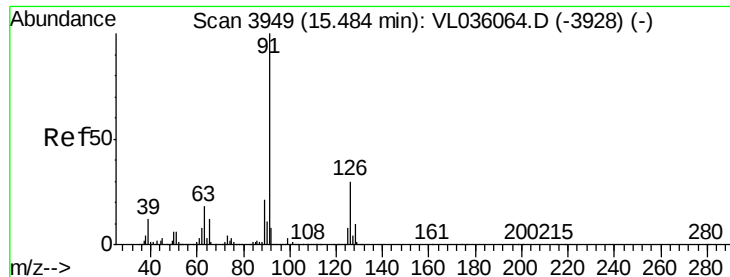
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#70
 n-Butylbenzene
 Concen: 11.011 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. 0.01 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.3	64.9
134	21.6	17.1	25.7





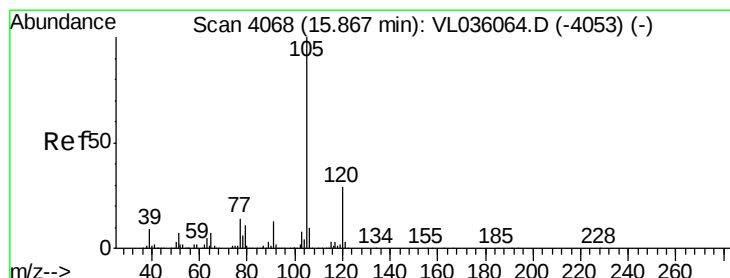
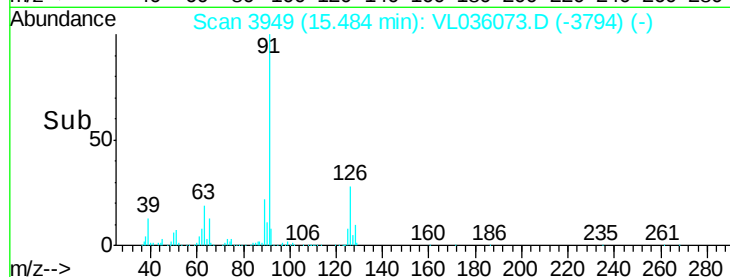
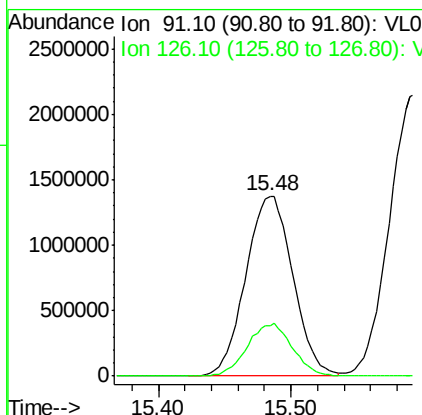
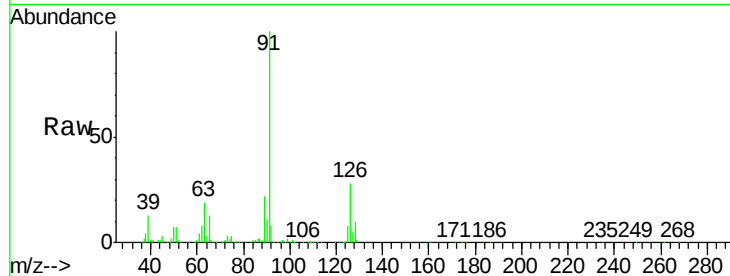
#71
2-Chlorotoluene
Concen: 10.233 ppbv
RT: 15.48 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tot Ion: 91 Resp: 3394693
Ion Ratio Lower Upper
91 100
126 28.1 11.6 46.4

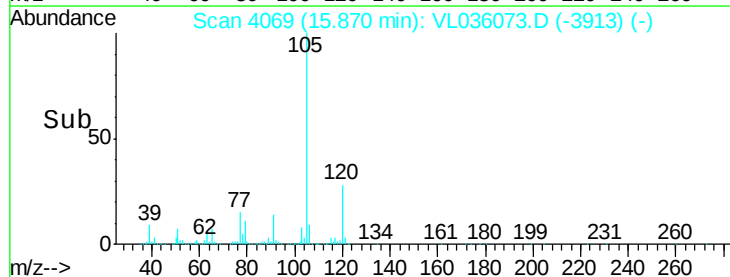
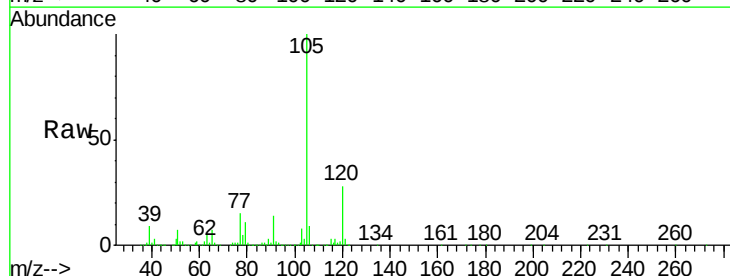
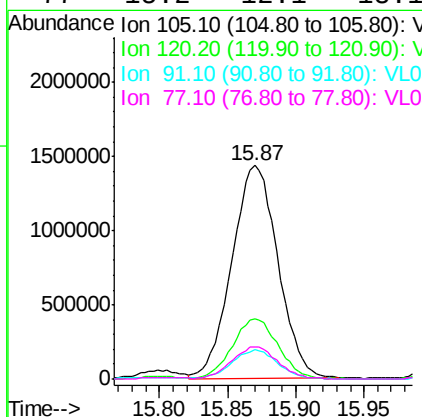
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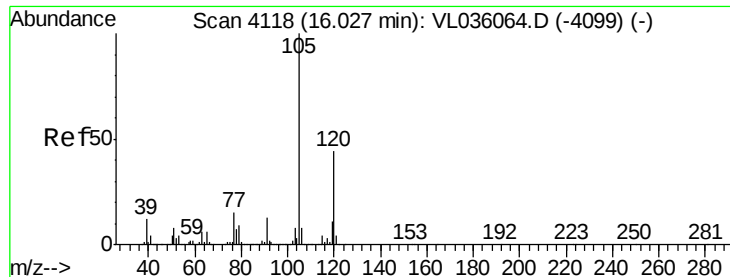
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12/10/2020 9:53:30 AM



#72
4-Ethyltoluene
Concen: 10.465 ppbv
RT: 15.87 min Scan# 4069
Delta R.T. 0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion: 105 Resp: 3356355
Ion Ratio Lower Upper
105 100
120 28.4 23.6 35.4
91 14.0 11.4 17.0
77 15.2 12.1 18.1





#73

1,3,5-Trimethylbenzene

Concen: 10.335 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tot Ion:105 Resp: 3165661

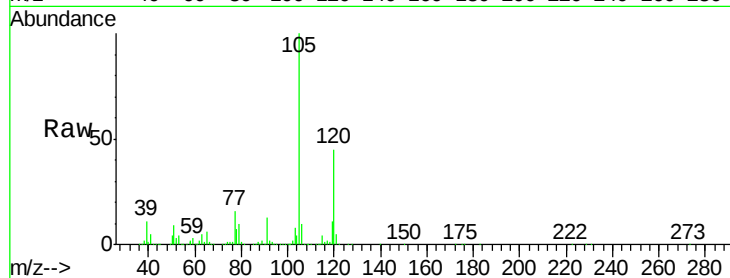
Ion Ratio Lower Upper

105 100

120 45.4 35.4 53.2

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Abundance Ion 105.10 (104.80 to 105.80): V

1500000 Ion 120.20 (119.90 to 120.90): V

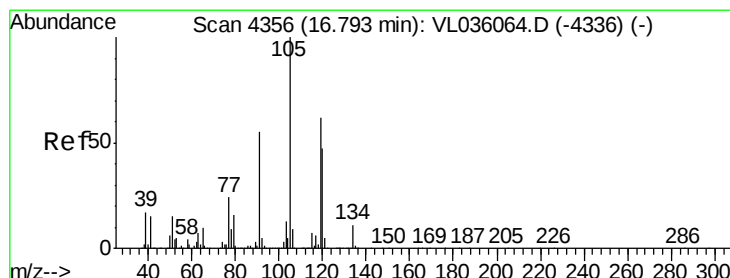
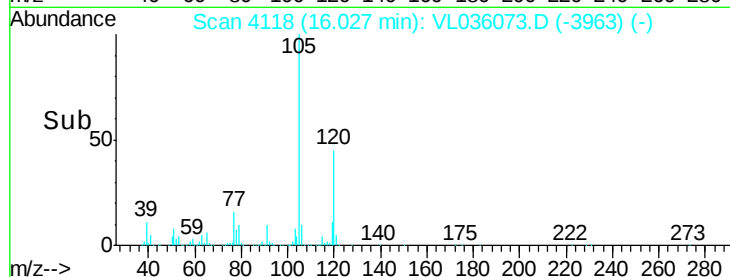
16.03

1000000

500000

0

Time--> 15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 10.232 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Tgt Ion:105 Resp: 3145911

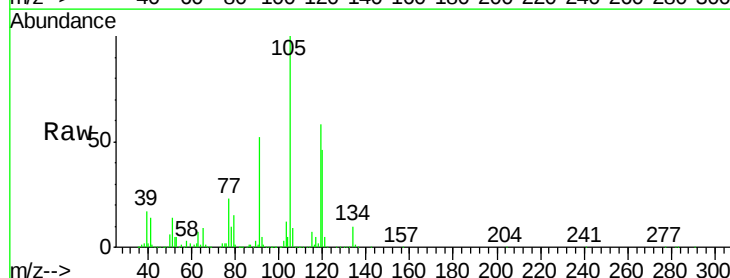
Ion Ratio Lower Upper

105 100

120 46.4 37.4 56.0

91 51.5 45.6 68.4

77 23.3 19.4 29.2



Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

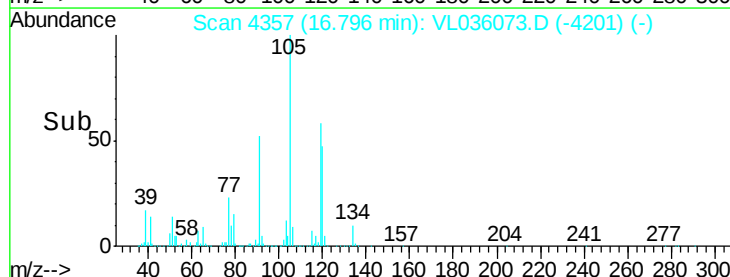
1500000

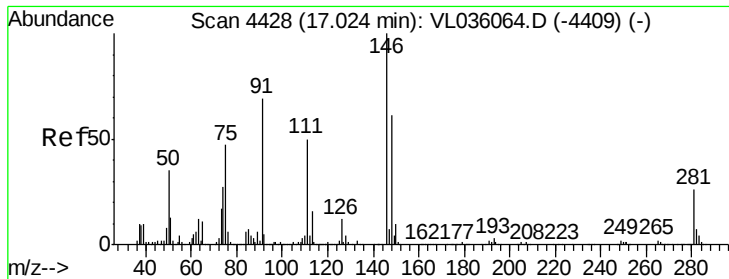
1000000

500000

0

Time--> 16.70 16.80 16.90





#75

1,3-Dichlorobenzene

Concen: 10.700 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. 0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tot Ion:146 Resp: 1646860

Ion Ratio Lower Upper

146 100

111 49.9 25.1 75.3

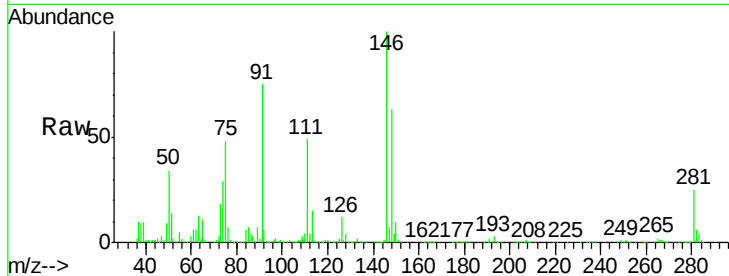
148 64.3 32.9 98.6

Manual Integrations

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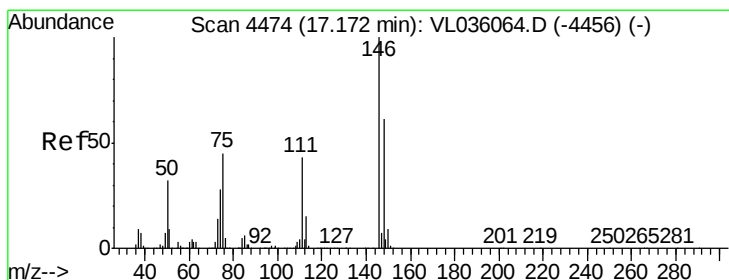
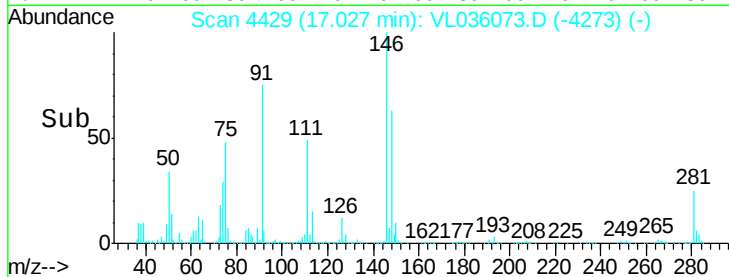
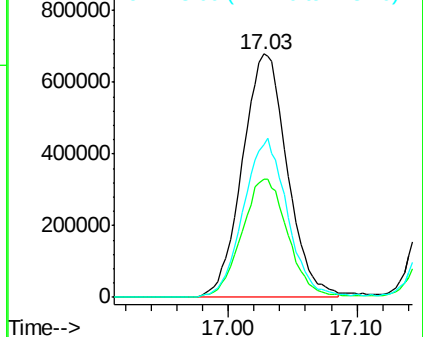
12/10/2020 9:53:30 AM



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



#76

1,4-Dichlorobenzene

Concen: 10.543 ppbv

RT: 17.17 min Scan# 4474

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

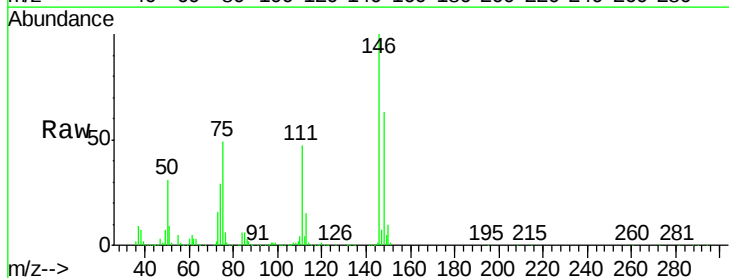
Tgt Ion:146 Resp: 1652044

Ion Ratio Lower Upper

146 100

111 50.2 24.3 72.8

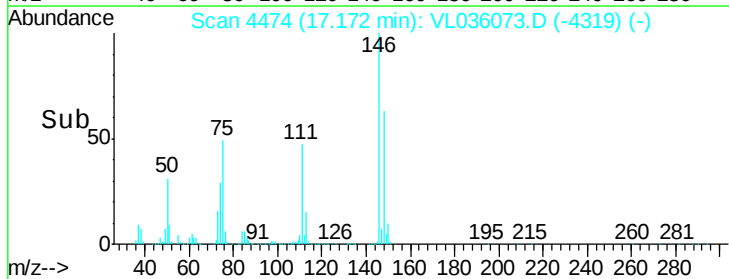
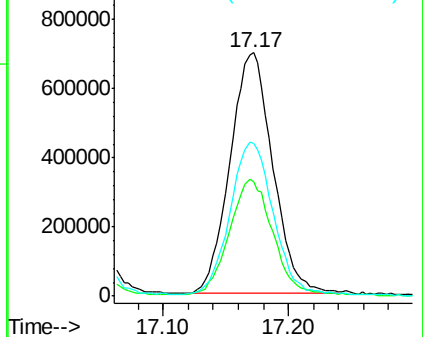
148 66.5 32.8 98.3

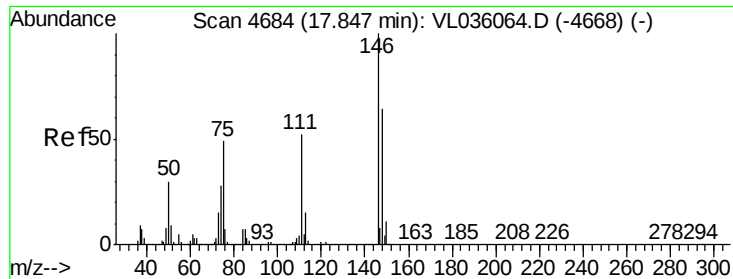


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





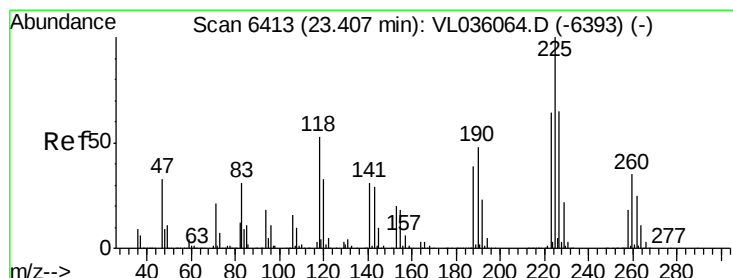
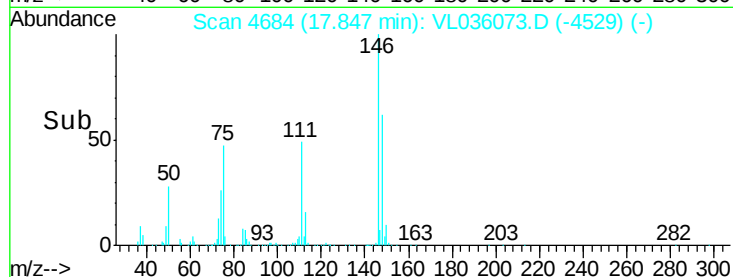
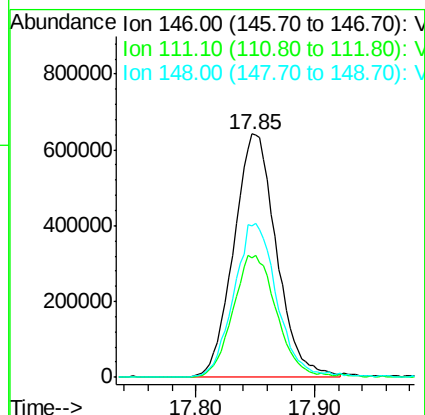
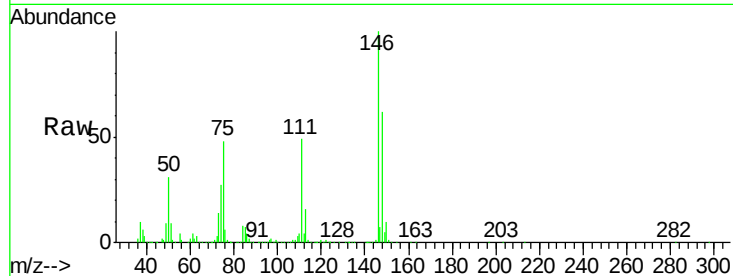
#77
 1,2-Dichlorobenzene
 Concen: 10.768 ppbv
 RT: 17.85 min Scan# 4684
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tot Ion:146 Resp: 1582449
 Ion Ratio Lower Upper
 146 100
 111 52.6 26.1 78.2
 148 64.7 33.1 99.5

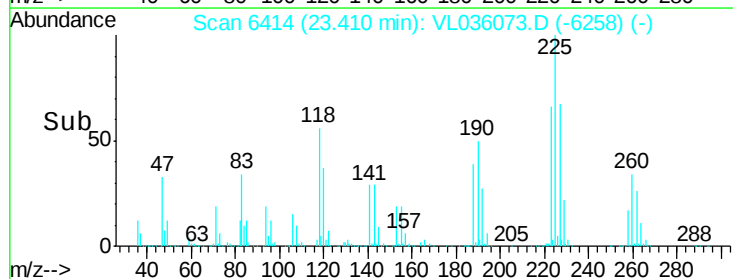
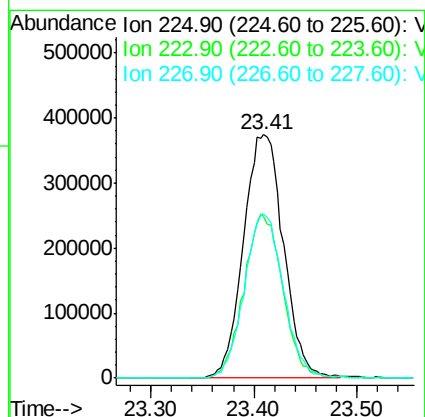
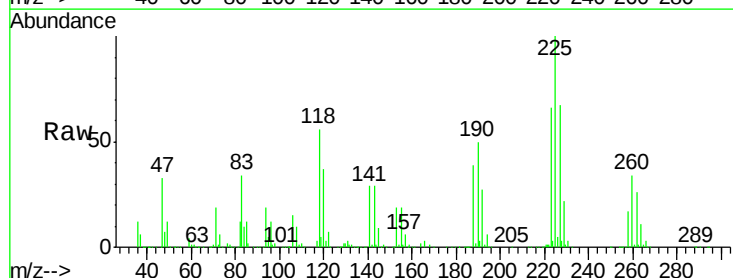
Manual Integrations
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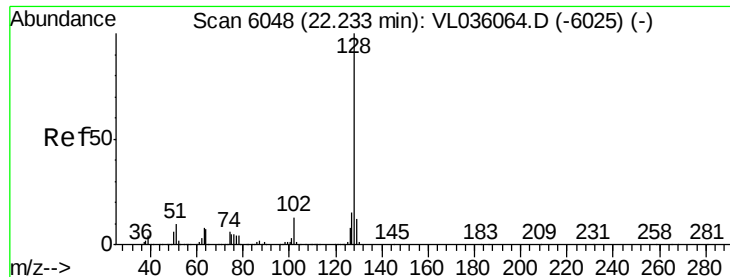
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 12/10/2020 9:53:30 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.574 ppbv
 RT: 23.41 min Scan# 6414
 Delta R.T. 0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion:225 Resp: 1009834
 Ion Ratio Lower Upper
 225 100
 223 65.4 51.1 76.7
 227 65.9 51.7 77.5





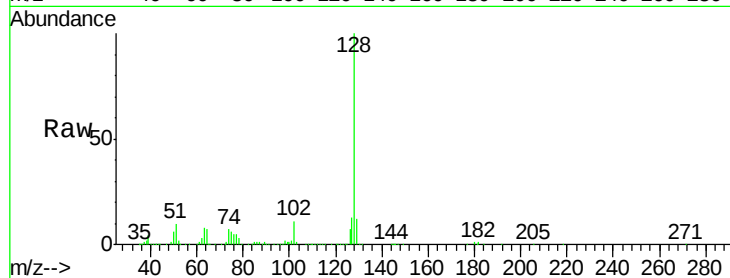
#79
Naphthalene
Concen: 11.323 ppbv m
RT: 22.24 min Scan# 6050
Delta R.T. 0.01 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

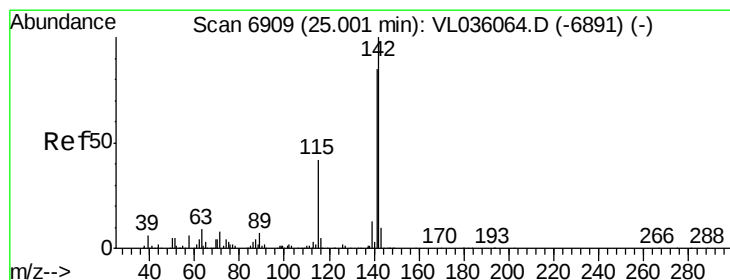
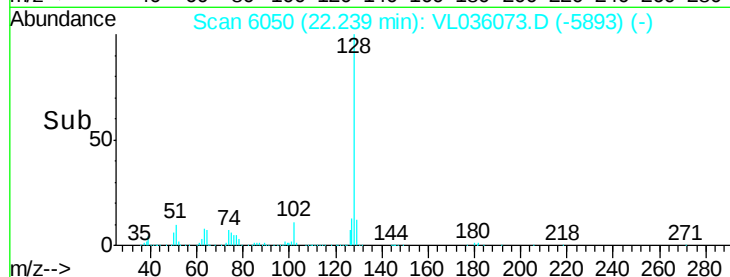
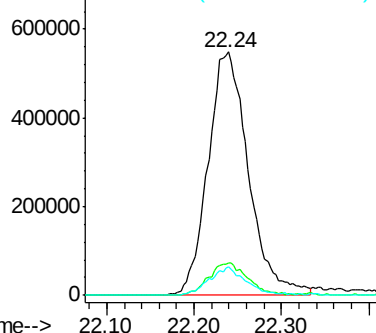
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.7	17.5
129	11.7	9.3	13.9

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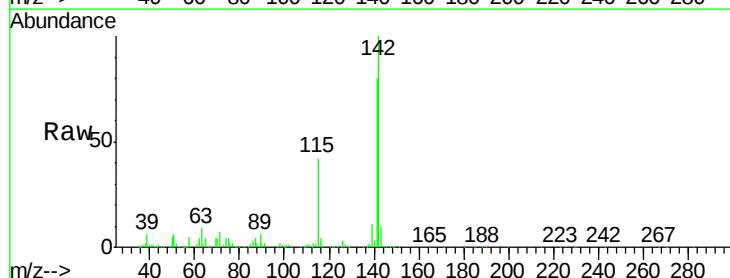


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

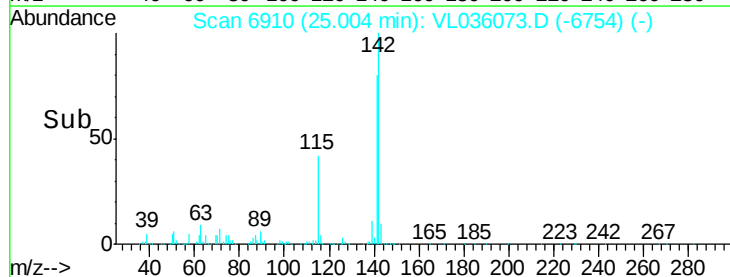
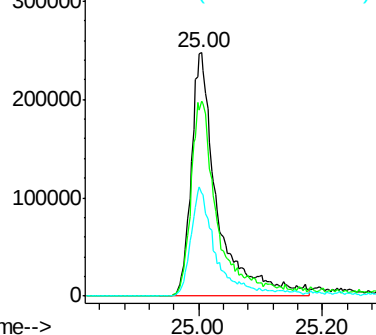


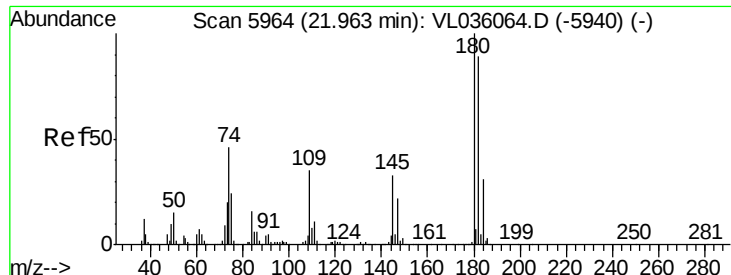
#80
Naphthalene, 2-methyl-
Concen: 20.798 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. 0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.5	64.3	96.5
115	43.9	33.9	50.9



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: 9.622 ppbv
 RT: 21.96 min Scan# 5964
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.1	0.0	0.0#
184	31.8	0.0	0.0#

Manual Integrations
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