

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022621\
 Data File : VL036398.D
 Acq On : 26 Feb 2021 12:16
 Operator : SY/AP
 Sample : VL0226ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:08:22 AM

Quant Time: Feb 27 03:28:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1453257	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3337603	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.05	117	3135094m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2725441	10.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	3032958	13.984	ppbv	100
3) Chlorodifluoromethane	2.96	51	2044893	11.325	ppbv	100
4) Chloromethane	3.11	50	1012495	11.607	ppbv	99
5) Vinyl Chloride	3.23	62	987353	12.155	ppbv	98
6) Bromomethane	3.45	94	582273	12.060	ppbv	96
7) Chloroethane	3.53	64	333750	11.571	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	2323638	11.780	ppbv	99
9) Propene	2.99	41	941178	13.980	ppbv	99
10) Heptane	8.09	43	2422254	12.208	ppbv	99
11) Trichlorofluoromethane	3.92	101	2510395	11.820	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1563216	11.882	ppbv	99
13) Ethanol	3.58	45	124256	9.826	ppbv	100
14) Bromoethene	3.71	108	653656	11.872	ppbv	99
15) Acetone	3.82	43	1863706	10.491	ppbv	98
16) 1,3-Butadiene	3.30	39	985905	11.606	ppbv	100
17) tert-Butyl alcohol	4.27	59	1286832	9.332	ppbv	99
18) 1,1-Dichloroethene	4.26	96	681592	11.400	ppbv	98
19) Isopropyl Alcohol	3.94	45	902113	9.166	ppbv #	96
20) Methylene Chloride	4.32	84	617896	10.781	ppbv	98
21) Allyl Chloride	4.38	41	1138647	11.513	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	626975	11.545	ppbv	95
23) Vinyl Acetate	5.05	43	2503181	11.984	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1832080	11.860	ppbv	99
25) Ethyl Acetate	5.65	43	4041143	11.784	ppbv	99
26) Hexane	5.66	57	1661859	11.794	ppbv	99
27) Carbon Disulfide	4.52	76	1774312	13.701	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	2206524	11.987	ppbv	100
29) Chloroform	5.72	83	2634849	11.607	ppbv	100
30) Cyclohexane	7.10	84	1355581	11.568	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	1639596	11.760	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	2557884	12.052	ppbv	99
34) 2-Butanone	5.21	43	2524308	11.383	ppbv	100
35) Carbon Tetrachloride	6.99	117	2632226	11.767	ppbv	97
36) Benzene	6.86	78	3402919	12.002	ppbv	98
37) 1,2-Dichloroethane	6.28	62	2050054	11.695	ppbv	100
38) Trichloroethene	7.80	130	1150202	11.324	ppbv	96
39) 1,2-Dichloropropane	7.58	63	1380371	11.985	ppbv	98
40) 1,4-Dioxane	7.80	88	400124	10.027	ppbv #	23
41) Tetrahydrofuran	6.02	42	1505956	12.169	ppbv	99
42) Bromodichloromethane	7.76	83	2824843	12.033	ppbv	99
43) Methyl Methacrylate	7.98	69	1517331	12.690	ppbv	100

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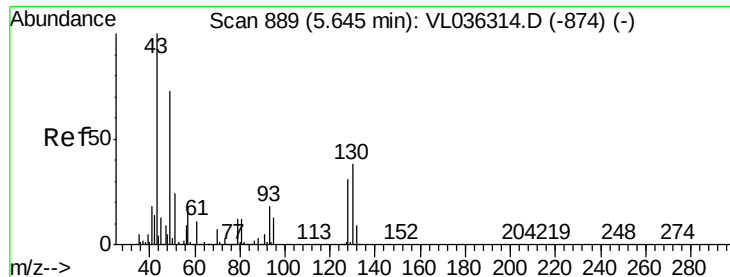
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	5817849	11.285	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1609453	13.953	ppbv	100
46) cis-1,3-Dichloropropene	8.67	75	1971173	13.453	ppbv	98
47) 1,1,2-Trichloroethane	9.44	97	1386783	11.766	ppbv	96
48) Dibromochloromethane	10.28	129	2276702	12.945	ppbv	99
49) Bromoform	13.01	173	1941709	13.656	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	3972172	12.066	ppbv	100
51) 2-Hexanone	10.10	43	3227061	12.901	ppbv #	99
52) Tetrachloroethene	11.19	164	1117594	10.768	ppbv	97
53) Toluene	9.77	91	3767698	12.269	ppbv	98
54) 1,2-Dibromoethane	10.58	107	2033315	11.937	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.09	131	1727372	11.979	ppbv #	64
57) Chlorobenzene	12.11	112	2778294	11.470	ppbv	96
58) Ethyl Benzene	12.68	91	5185575	12.079	ppbv	98
59) m/p-Xylene	12.97	91	8825141m	23.404	ppbv	
60) o-Xylene	13.66	91	4186044	11.611	ppbv	99
61) Styrene	13.50	104	2981336	13.343	ppbv	99
62) Isopropylbenzene	14.64	105	6193777	11.461	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.64	83	3042166	10.694	ppbv	100
64) n-propylbenzene	15.53	120	1626476	12.229	ppbv	96
65) tert-Butylbenzene	16.72	119	5293004	11.447	ppbv	99
66) Benzyl Chloride	16.96	91	1978994	15.744	ppbv	100
67) sec-Butylbenzene	17.27	105	7527853	11.289	ppbv	98
69) p-Isopropyltoluene	17.63	119	6149432	11.933	ppbv	99
70) n-Butylbenzene	18.52	91	6487887	11.740	ppbv	99
71) 2-Chlorotoluene	15.42	91	4890043	11.804	ppbv	99
72) 4-Ethyltoluene	15.81	105	4882733	12.169	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4524570	11.633	ppbv	98
74) 1,2,4-Trimethylbenzene	16.73	105	4608420	11.606	ppbv	95
75) 1,3-Dichlorobenzene	16.97	146	2580583	11.973	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2539164	11.345	ppbv	97
77) 1,2-Dichlorobenzene	17.79	146	2471404	11.559	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1719617m	9.845	ppbv	
79) Naphthalene	22.16	128	3163290	13.439	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	155986	3.579	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	1690858	11.774	ppbv	99

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



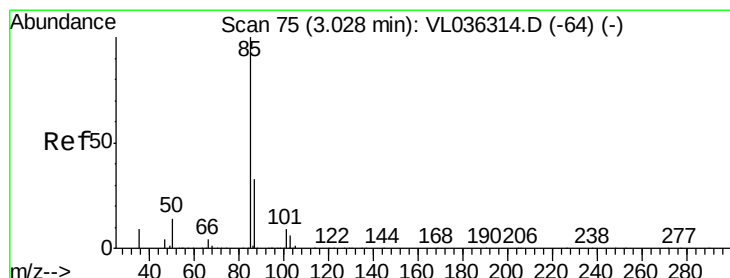
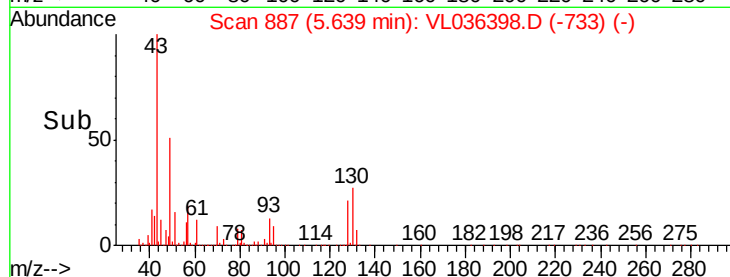
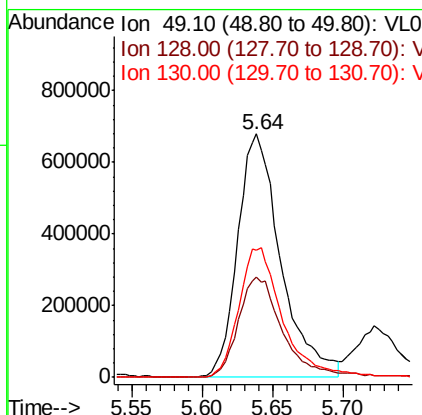
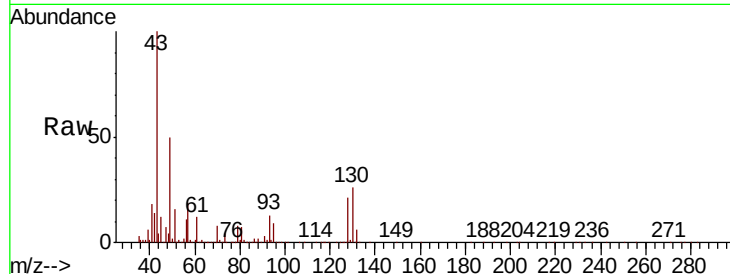
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 887
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

Tot Ion: 49 Resp: 1453257
Ion Ratio Lower Upper
49 100
128 43.3 20.8 62.5
130 55.0 26.7 80.1

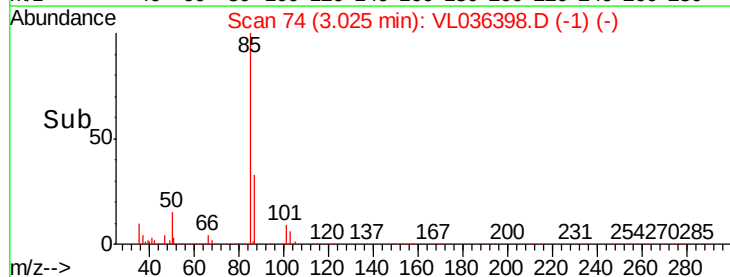
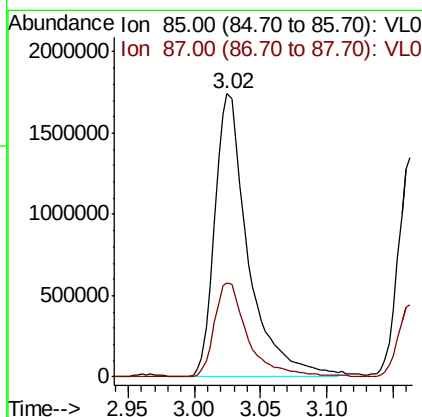
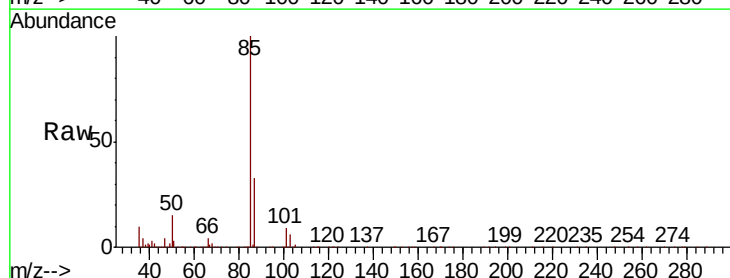
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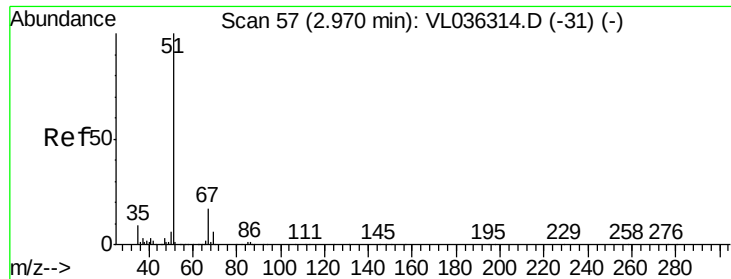
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#2
Dichlorodifluoromethane
Concen: 13.984 ppbv
RT: 3.02 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion: 85 Resp: 3032958
Ion Ratio Lower Upper
85 100
87 33.1 26.5 39.7





#3

Chlorodifluoromethane

Concen: 11.325 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

Tot Ion: 51 Resp: 2044893

Ion Ratio Lower Upper

51 100

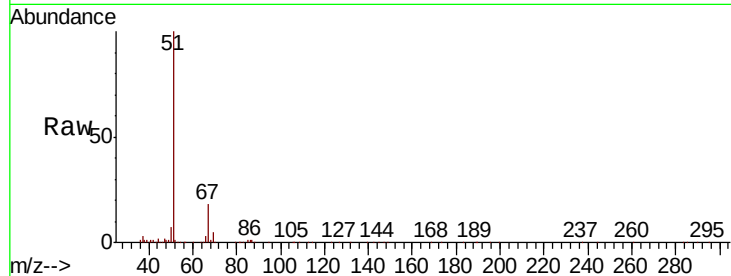
67 18.3 14.7 22.1

Manual Integrations

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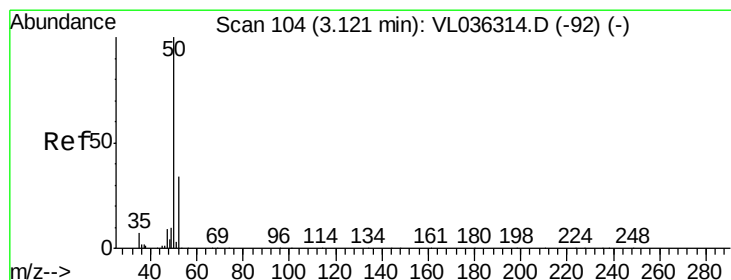
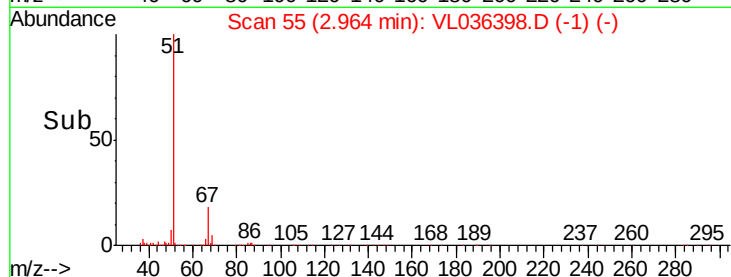
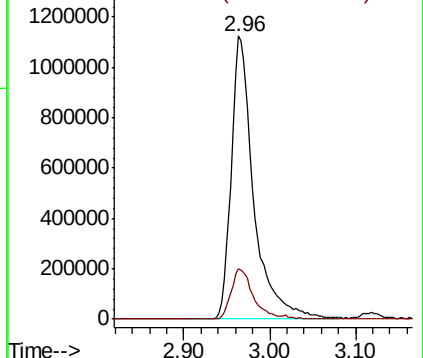
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 11.607 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.01 min

Lab File: VL036398.D

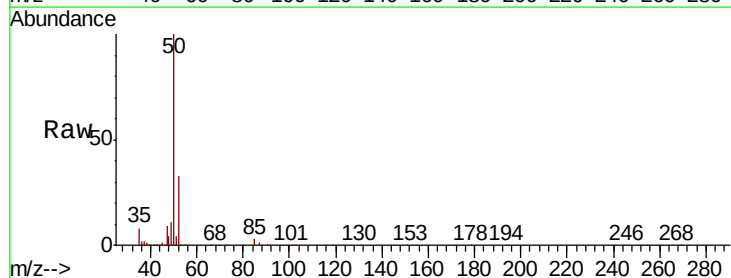
Acq: 26 Feb 2021 12:16

Tgt Ion: 50 Resp: 1012495

Ion Ratio Lower Upper

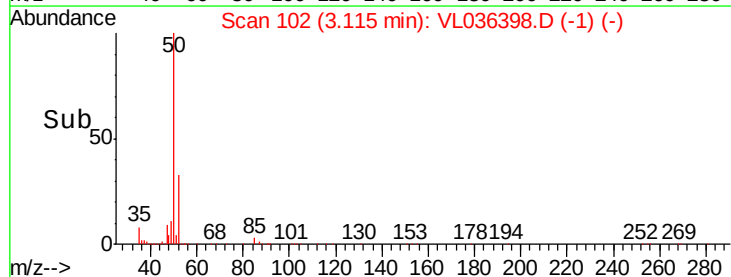
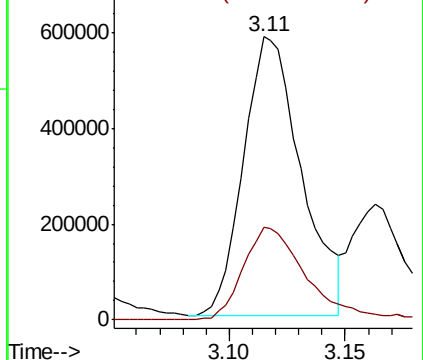
50 100

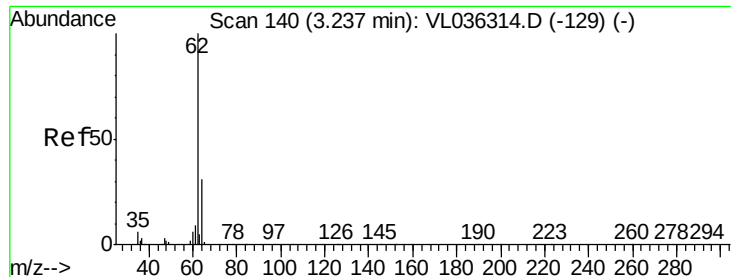
52 33.0 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 12.155 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.00 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

Tot Ion: 62 Resp: 987353

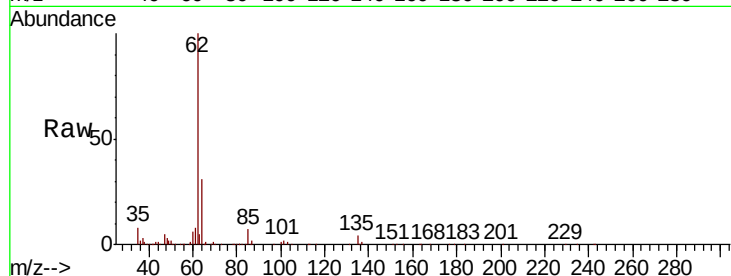
Ion Ratio Lower Upper

62 100

64 31.4 24.4 36.6

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.23

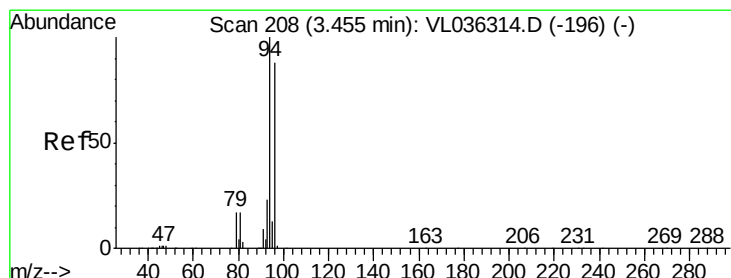
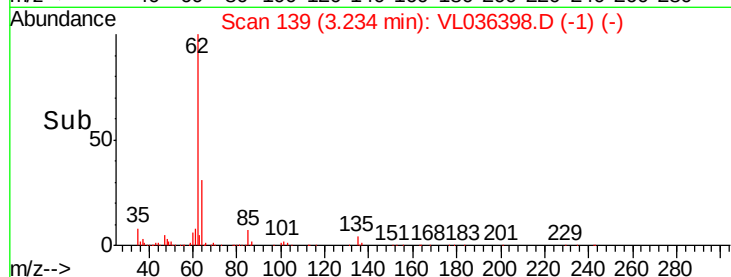
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 12.060 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.01 min

Lab File: VL036398.D

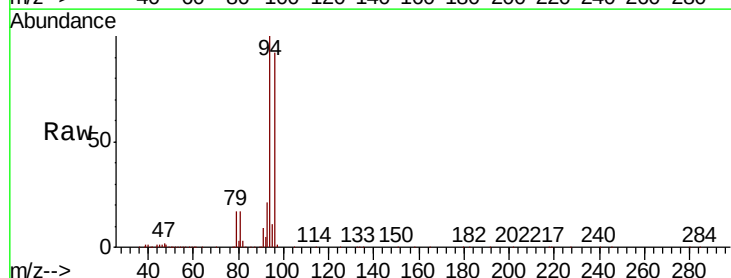
Acq: 26 Feb 2021 12:16

Tgt Ion: 94 Resp: 582273

Ion Ratio Lower Upper

94 100

96 92.2 70.8 106.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.45

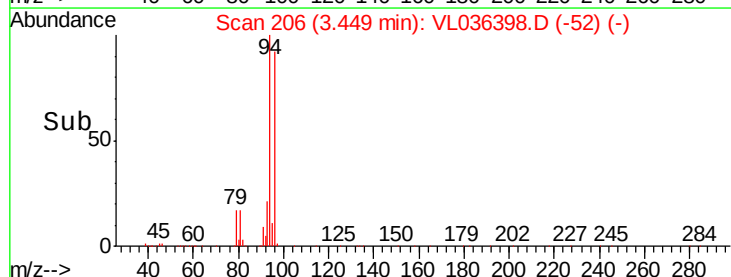
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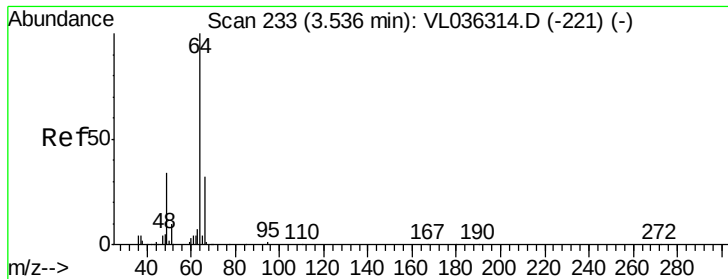
200000

100000

0

Time-->





#7

Chloroethane

Concen: 11.571 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

Tot Ion: 64 Resp: 333750

Ion Ratio Lower Upper

64 100

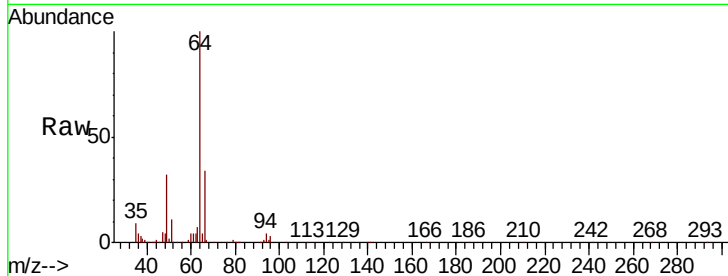
66 33.7 25.6 38.4

Manual Integrations

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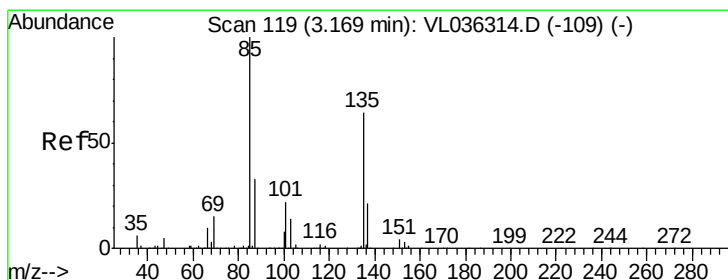
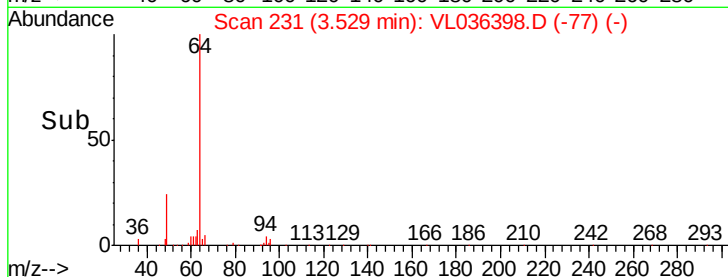
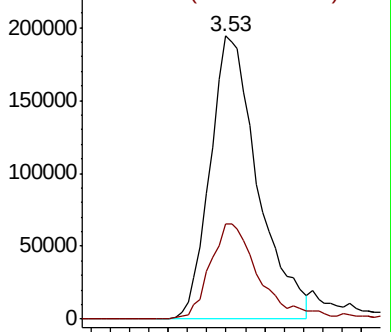
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 11.780 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.00 min

Lab File: VL036398.D

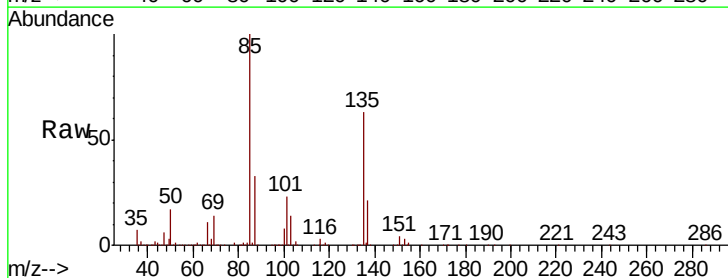
Acq: 26 Feb 2021 12:16

Tgt Ion: 85 Resp: 2323638

Ion Ratio Lower Upper

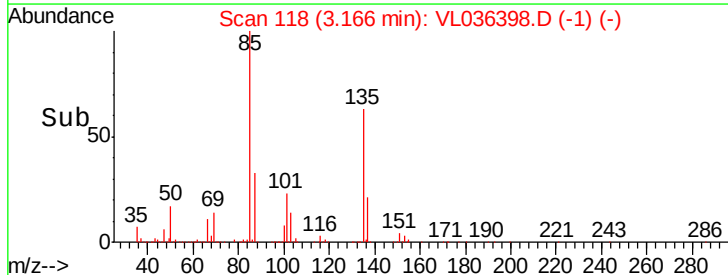
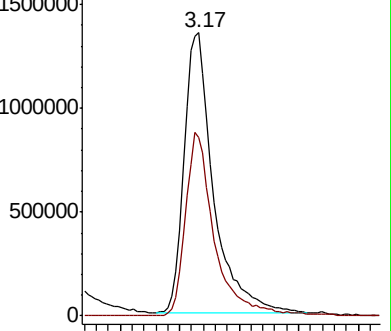
85 100

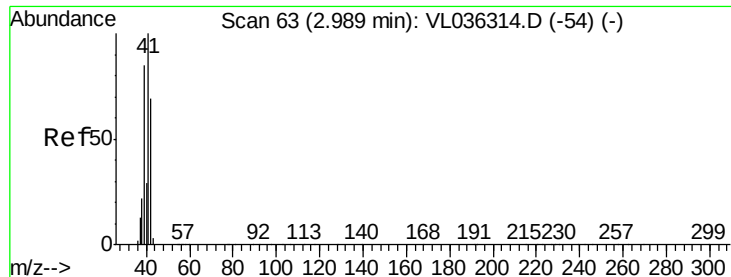
135 64.7 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 13.980 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.00 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

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ClientSampleId :

VL0226ABS01

Tot Ion: 41 Resp: 941178

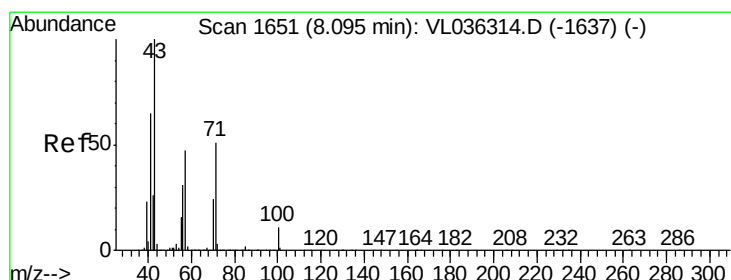
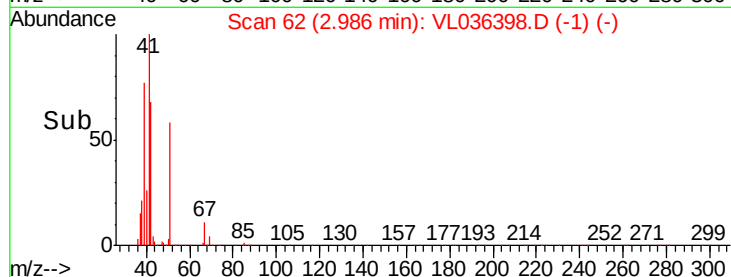
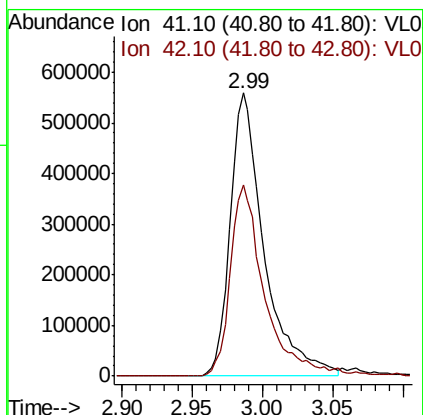
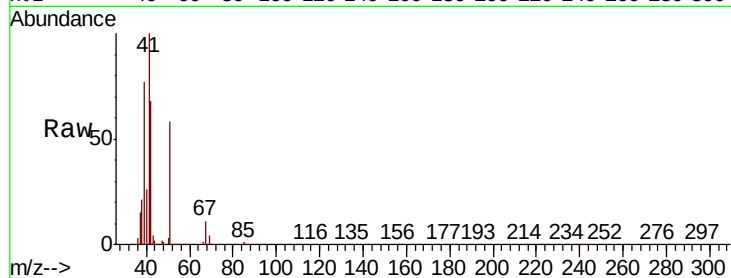
Ion Ratio Lower Upper

41 100

42 69.3 56.2 84.2

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#10

Heptane

Concen: 12.208 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VL036398.D

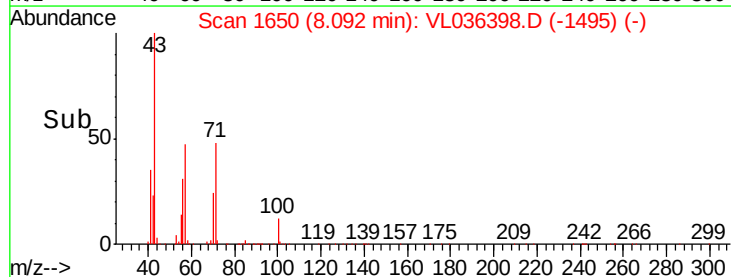
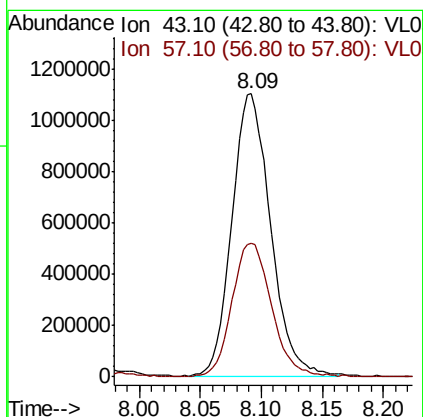
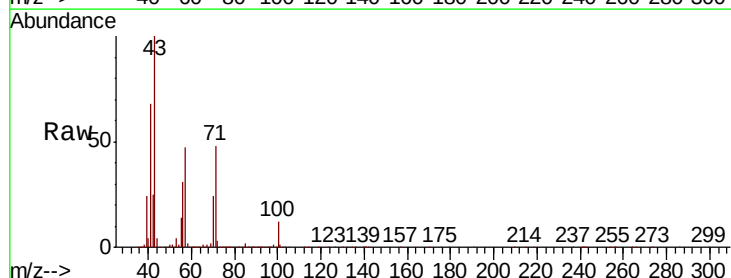
Acq: 26 Feb 2021 12:16

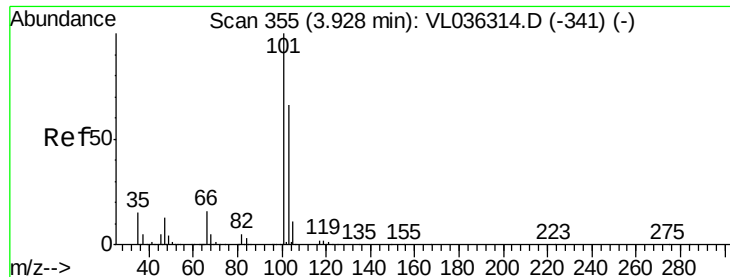
Tgt Ion: 43 Resp: 2422254

Ion Ratio Lower Upper

43 100

57 48.6 39.4 59.2





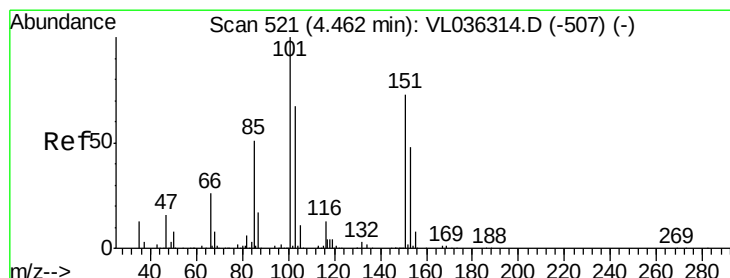
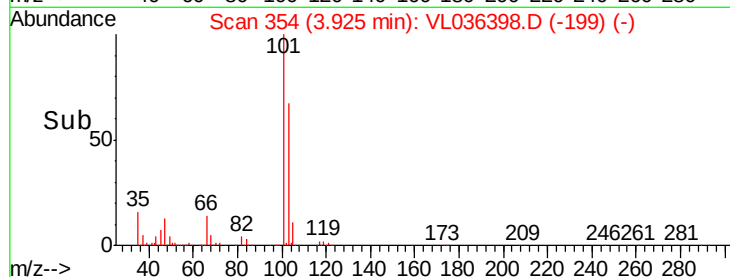
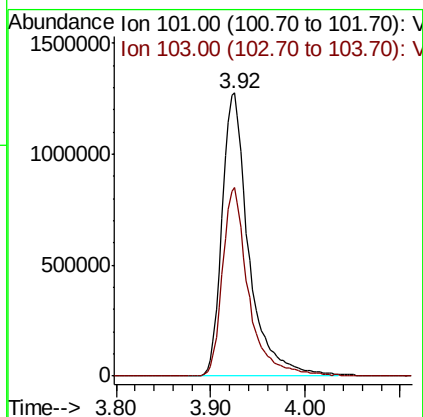
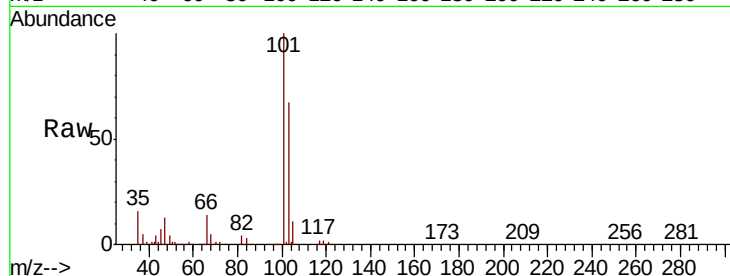
#11
 Trichlorofluoromethane
 Concen: 11.820 ppbv
 RT: 3.92 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

Tot Ion:101 Resp: 2510395
 Ion Ratio Lower Upper
 101 100
 103 66.7 52.9 79.3

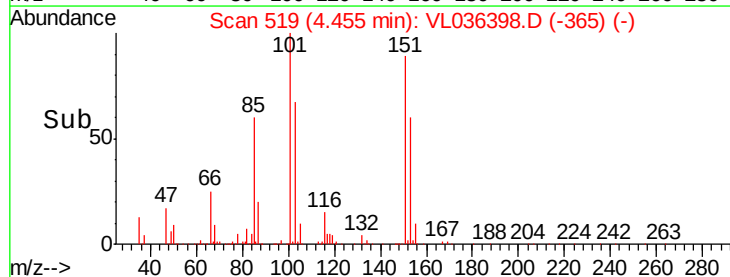
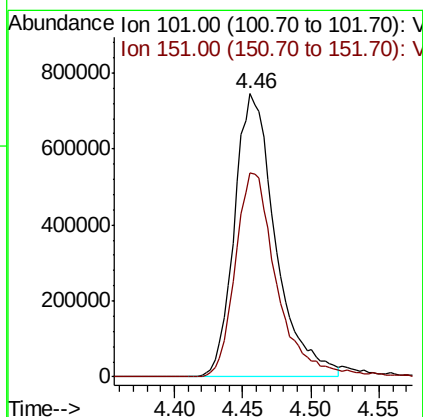
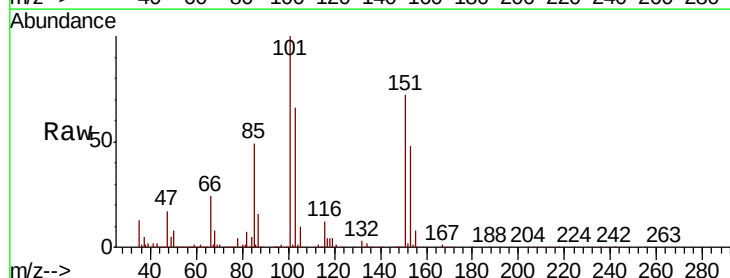
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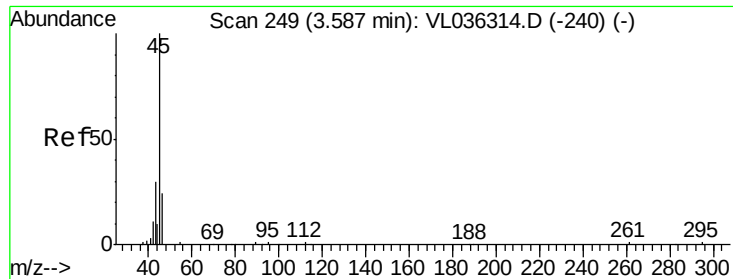
MMDadoda
 3/1/2021 10:08:22 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.882 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion:101 Resp: 1563216
 Ion Ratio Lower Upper
 101 100
 151 73.5 58.2 87.4





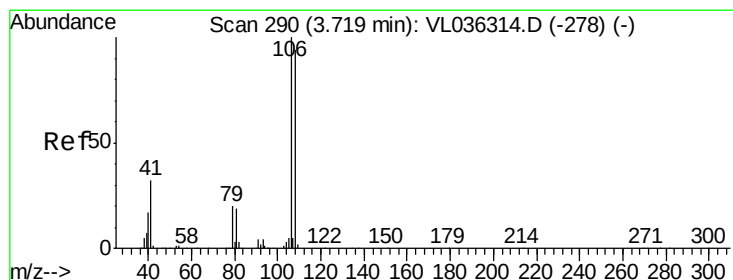
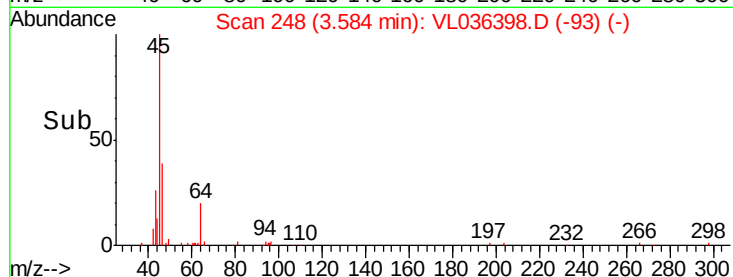
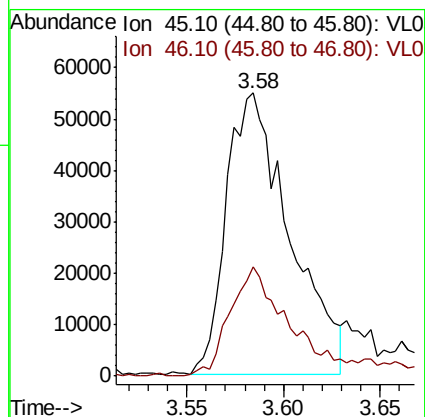
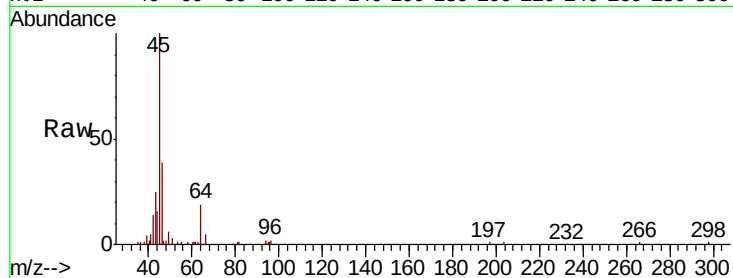
#13
Ethanol
Concen: 9.826 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.00 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	44.0	17.7	70.7

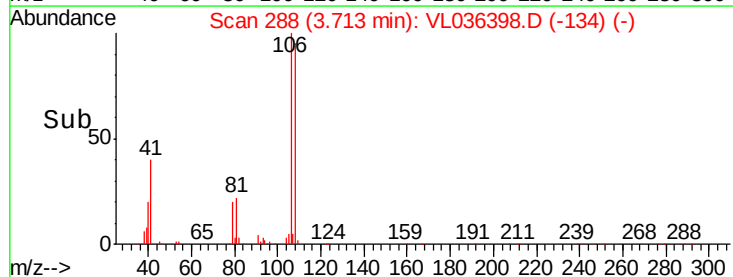
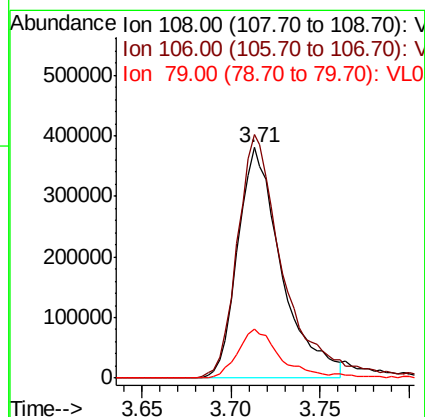
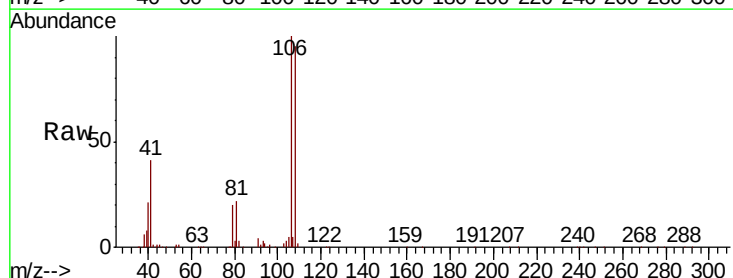
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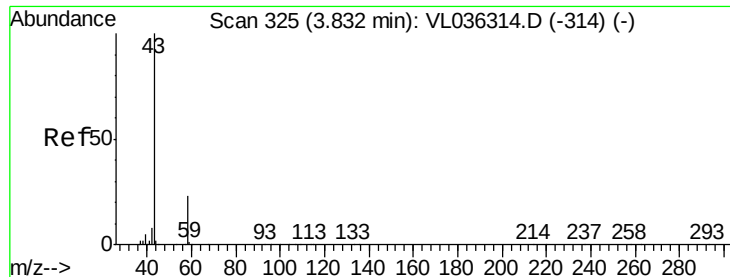
MMDadoda
3/1/2021 10:08:22 AM



#14
Bromoethene
Concen: 11.872 ppbv
RT: 3.71 min Scan# 288
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion	Ratio	Lower	Upper
108	100		
106	112.7	89.8	134.8
79	22.1	17.1	25.7





#15

Acetone

Concen: 10.491 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

Tot Ion: 43 Resp: 1863706

Ion Ratio Lower Upper

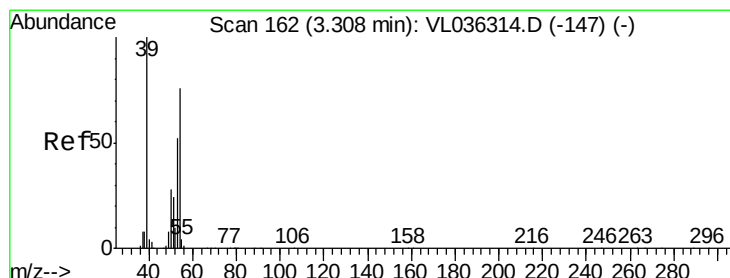
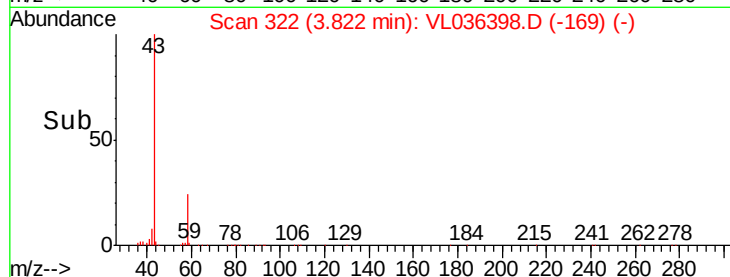
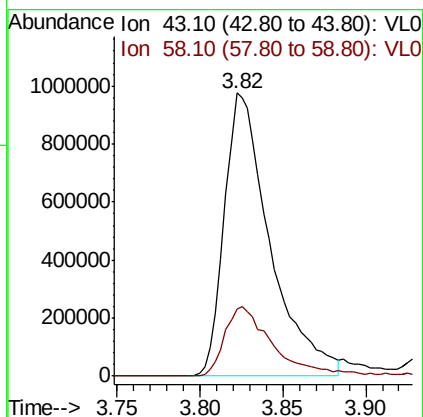
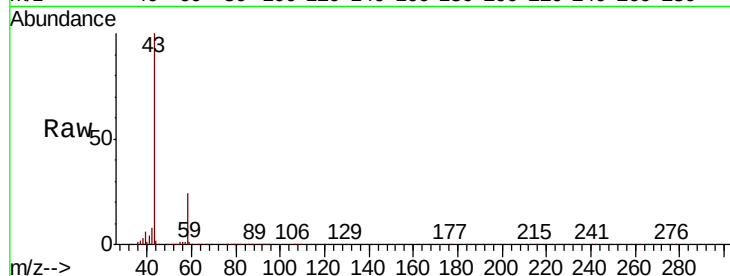
43 100

58 26.3 20.3 30.5

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#16

1,3-Butadiene

Concen: 11.606 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.00 min

Lab File: VL036398.D

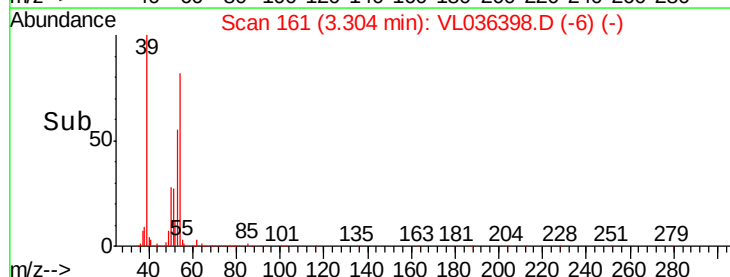
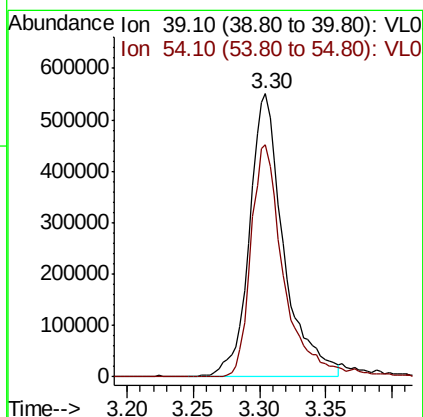
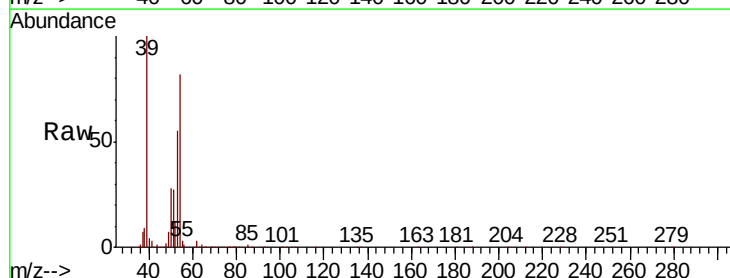
Acq: 26 Feb 2021 12:16

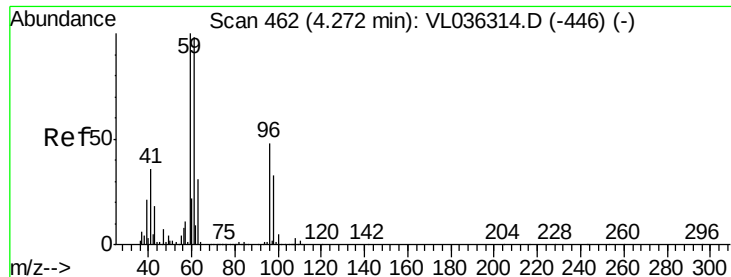
Tgt Ion: 39 Resp: 985905

Ion Ratio Lower Upper

39 100

54 80.6 64.4 96.6





#17

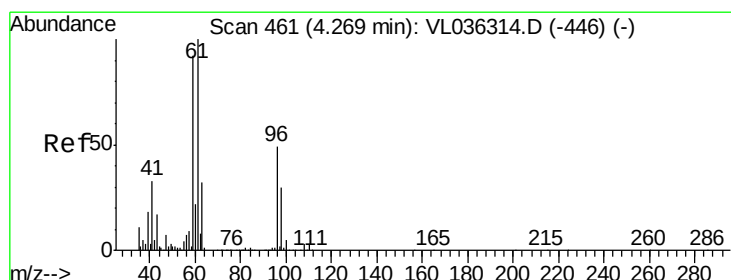
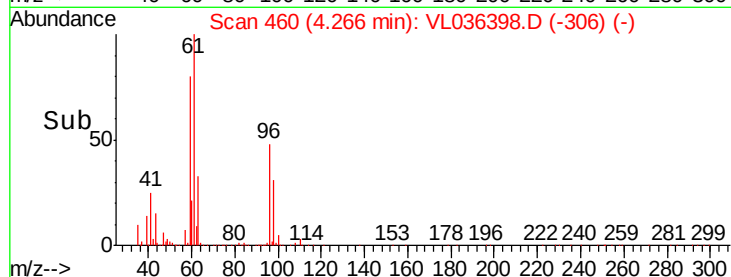
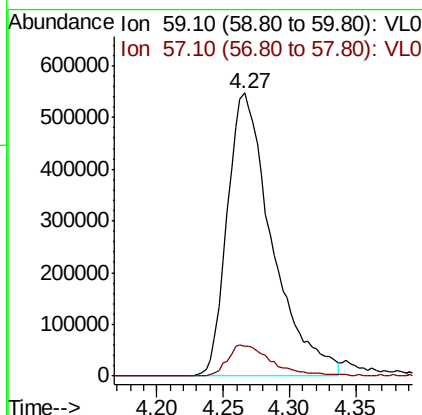
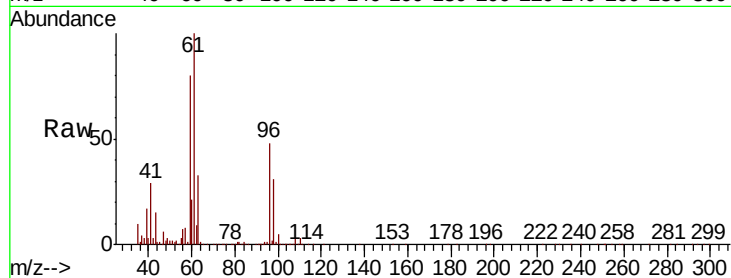
tert-Butyl alcohol
Concen: 9.332 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

Tot Ion: 59 Resp: 1286832
Ion Ratio Lower Upper
59 100
57 11.8 9.0 13.4

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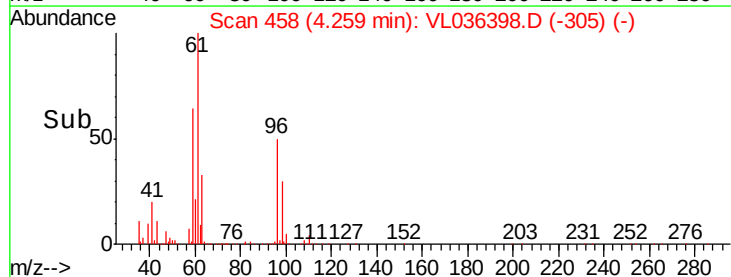
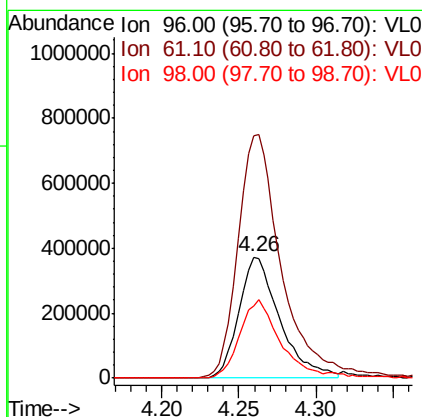
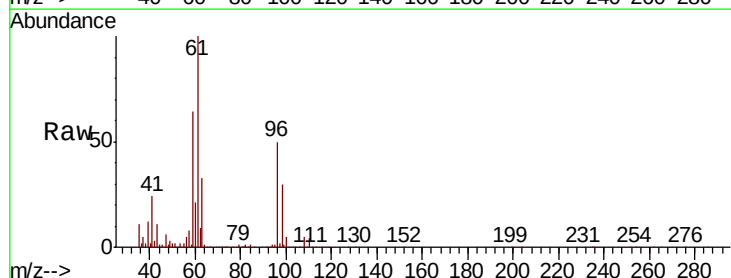
MMDadoda
3/1/2021 10:08:22 AM

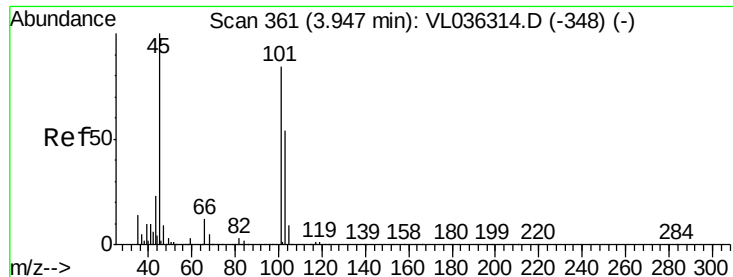


#18

1,1-Dichloroethene
Concen: 11.400 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion: 96 Resp: 681592
Ion Ratio Lower Upper
96 100
61 200.7 162.5 243.7
98 59.5 48.5 72.7





#19

Isopropyl Alcohol

Concen: 9.166 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

Tot Ion: 45 Resp: 902113

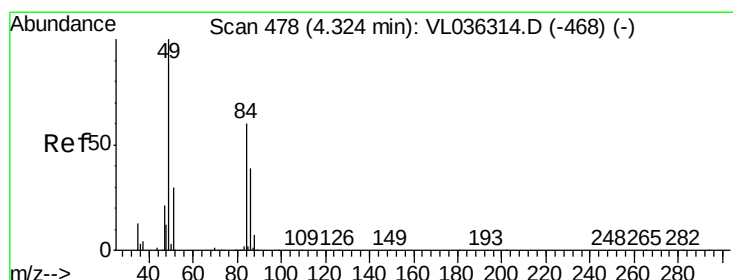
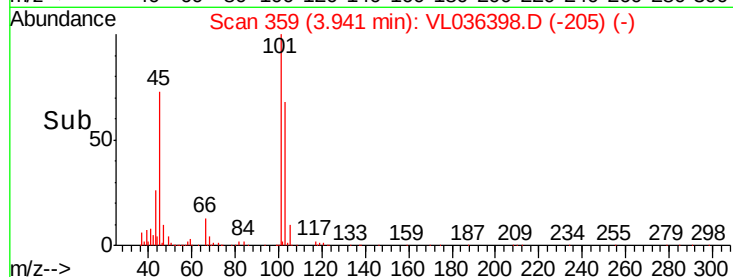
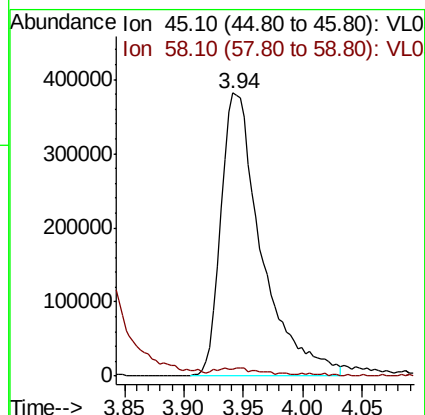
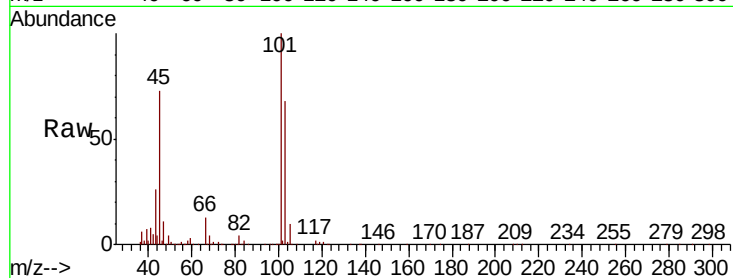
Ion Ratio Lower Upper

45 100

58 3.8 1.9 2.9#

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#20

Methylene Chloride

Concen: 10.781 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Tgt Ion: 84 Resp: 617896

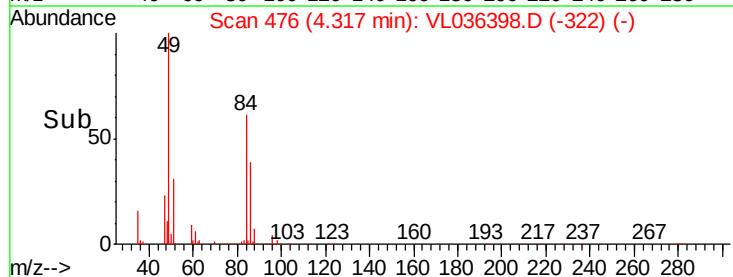
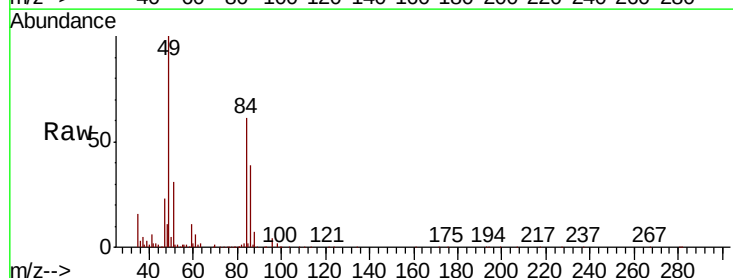
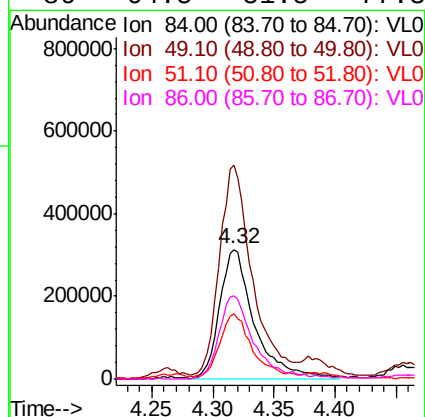
Ion Ratio Lower Upper

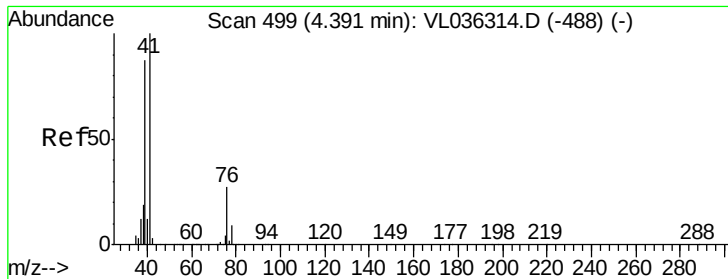
84 100

49 163.1 133.8 200.8

51 49.4 41.4 62.0

86 64.5 51.5 77.3





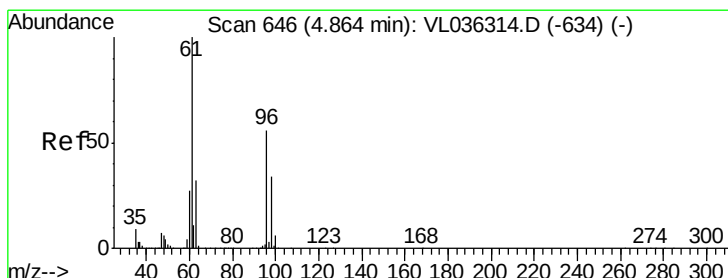
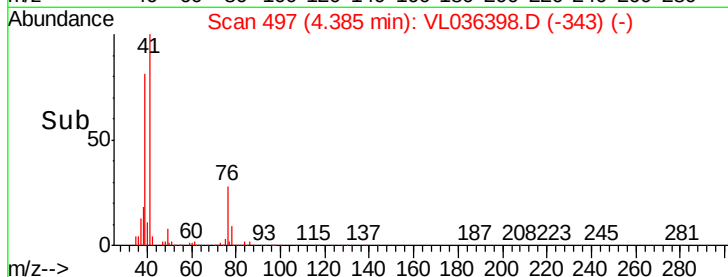
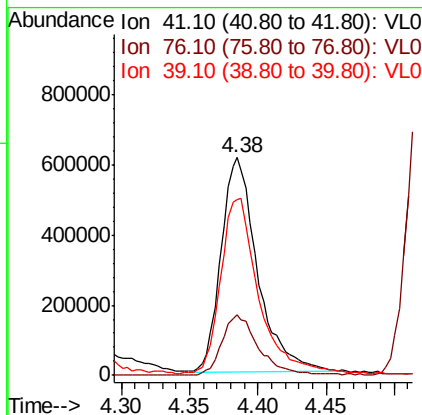
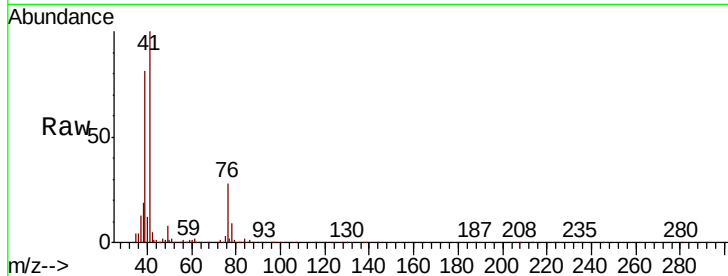
#21
Allvl Chloride
Concen: 11.513 ppbv
RT: 4.38 min Scan# 497
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.6	22.0	33.0
39	89.0	70.2	105.2

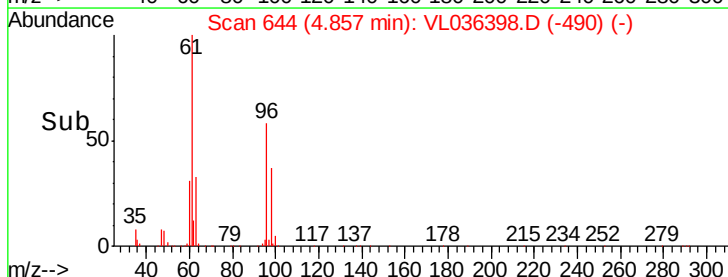
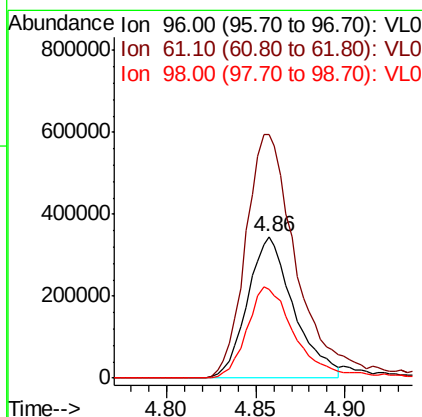
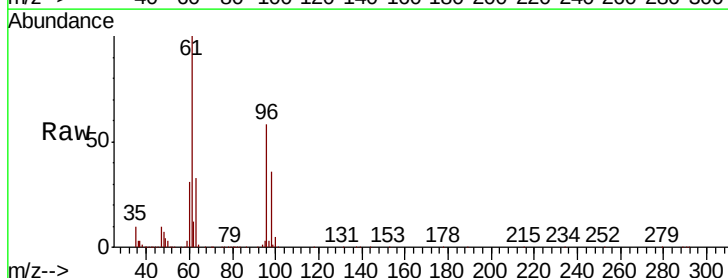
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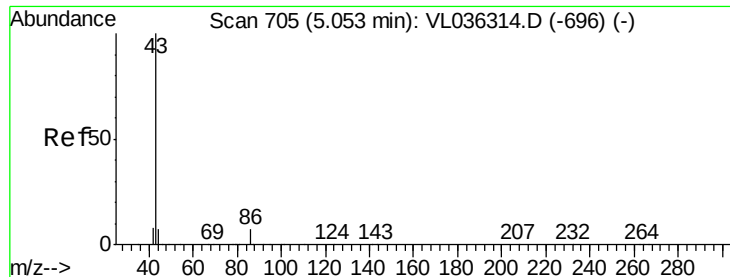
MMDadoda
3/1/2021 10:08:22 AM



#22
trans-1,2-Dichloroethene
Concen: 11.545 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.2	143.7	215.5
98	62.6	48.5	72.7





#23

Vinyl Acetate

Concen: 11.984 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

Tot Ion: 43 Resp: 2503181

Ion Ratio Lower Upper

43 100

86 6.5 4.8 7.2

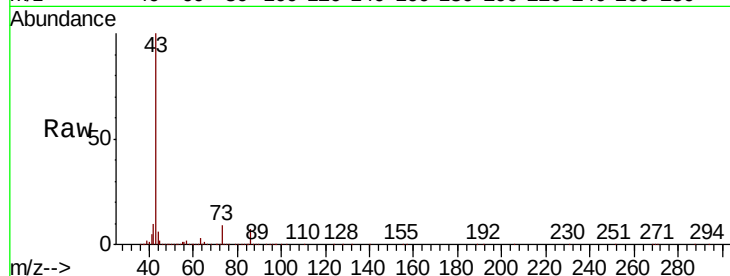
42 9.5 7.4 11.0

44 5.5 4.8 7.2

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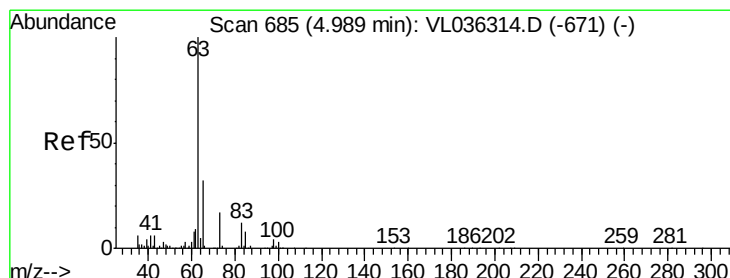
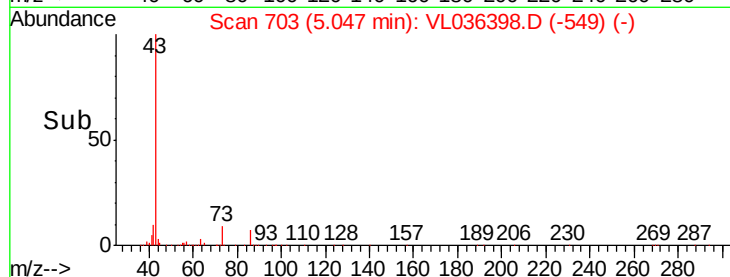
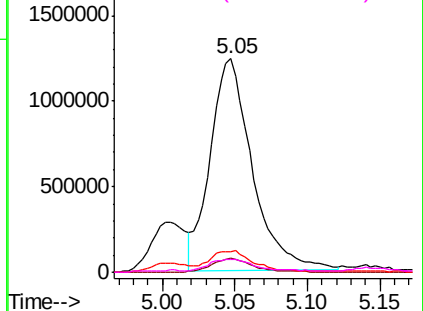


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.860 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

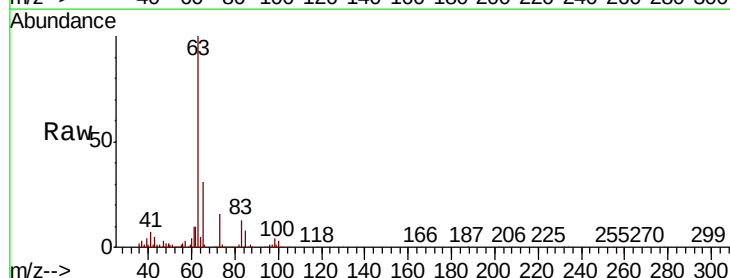
Tgt Ion: 63 Resp: 1832080

Ion Ratio Lower Upper

63 100

98 3.9 2.0 6.0

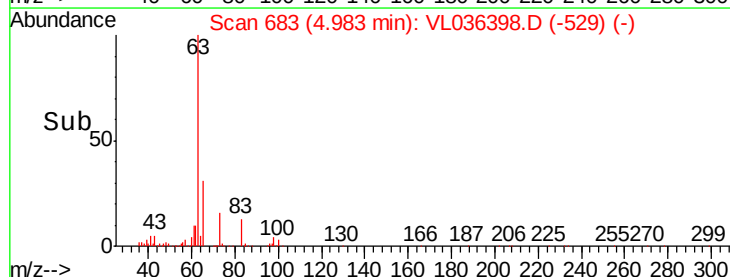
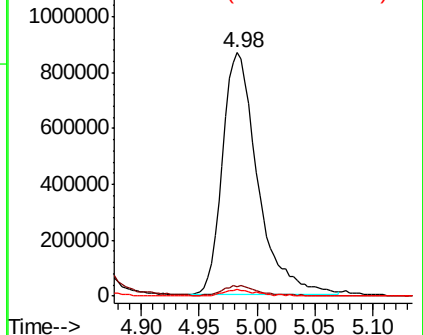
100 2.5 1.5 4.4

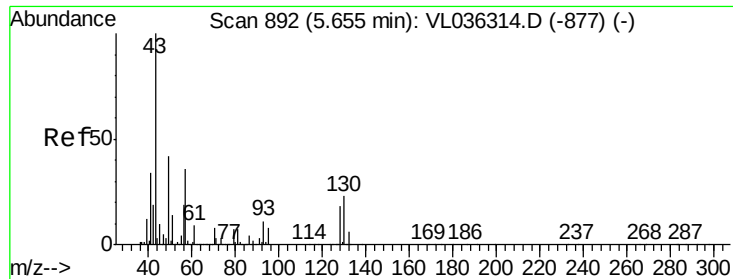


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





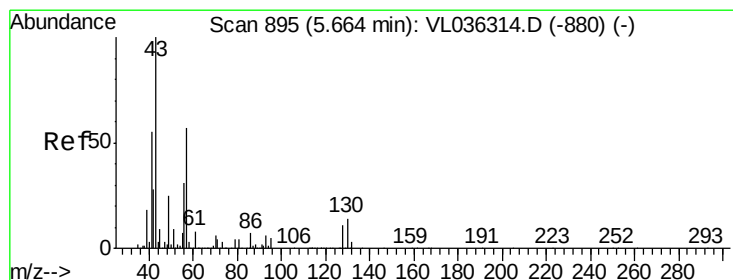
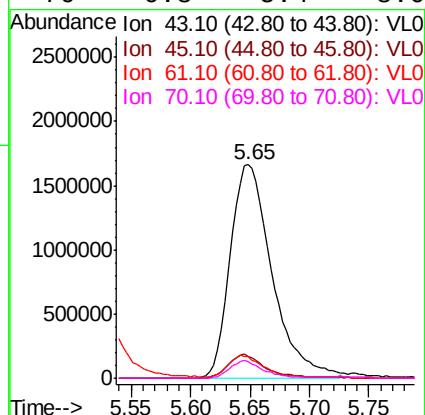
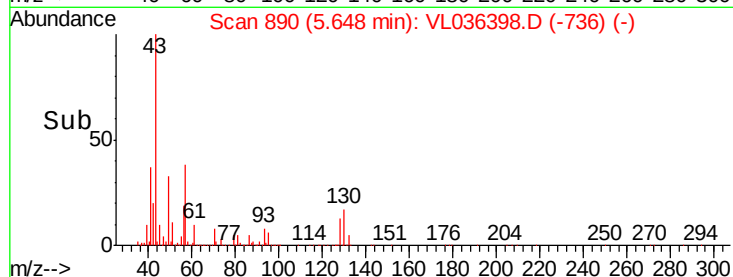
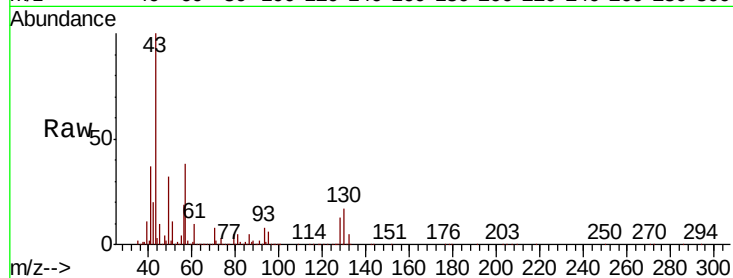
#25
Ethyl Acetate
Concen: 11.784 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.2	8.3	12.5	
61	9.7	7.3	10.9	
70	6.8	5.4	8.0	

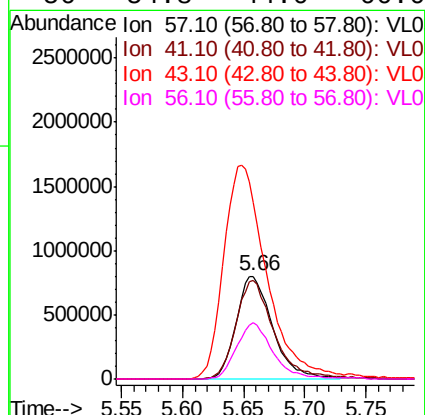
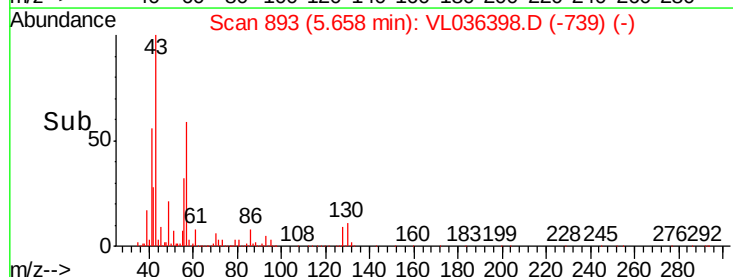
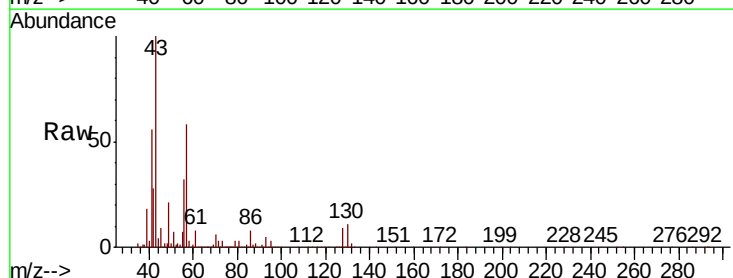
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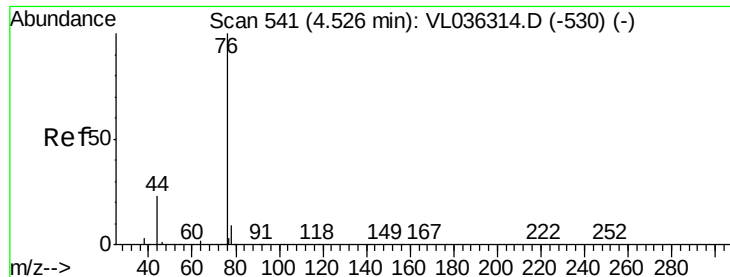
MMDadoda
3/1/2021 10:08:22 AM



#26
Hexane
Concen: 11.794 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	100.6	81.7	122.5	
43	248.2	199.1	298.7	
56	54.8	44.0	66.0	





#27

Carbon Disulfide

Concen: 13.701 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.00 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

Tot Ion: 76 Resp: 1774312

Ion Ratio Lower Upper

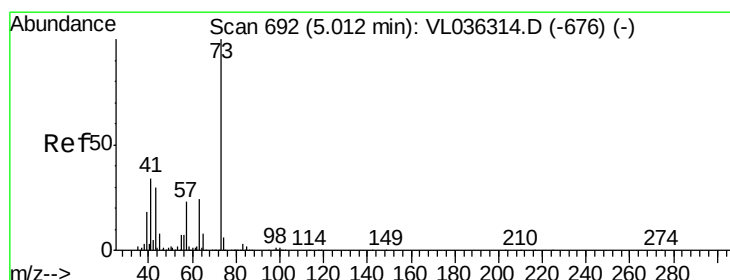
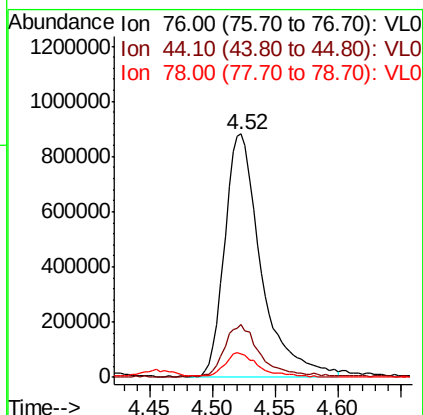
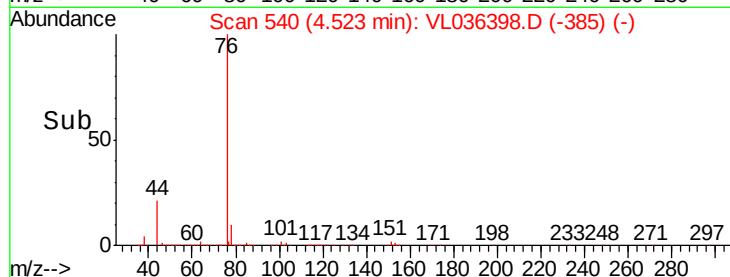
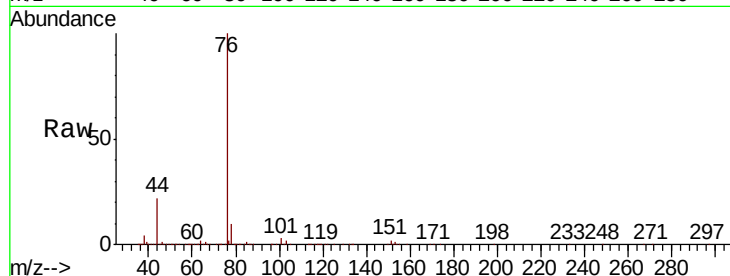
76 100

44 21.7 18.4 27.6

78 10.0 8.0 12.0

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#28

Methyl tert-Butyl Ether

Concen: 11.987 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL036398.D

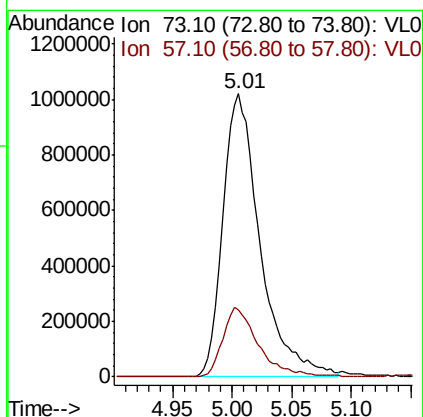
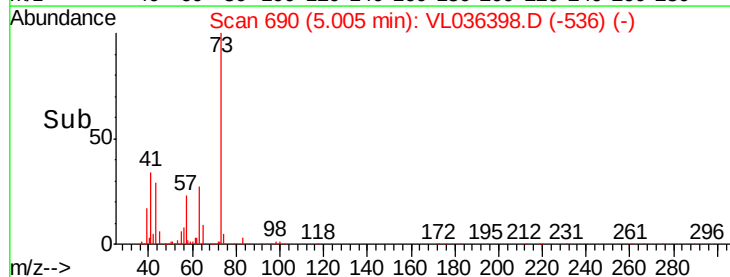
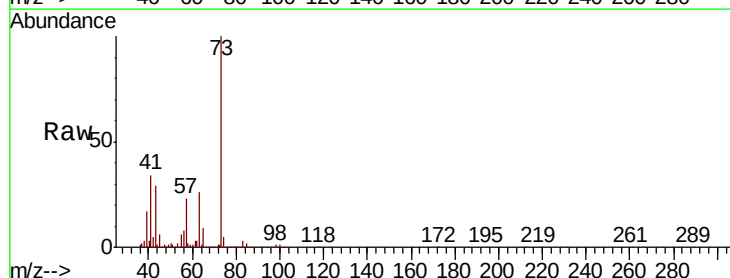
Acq: 26 Feb 2021 12:16

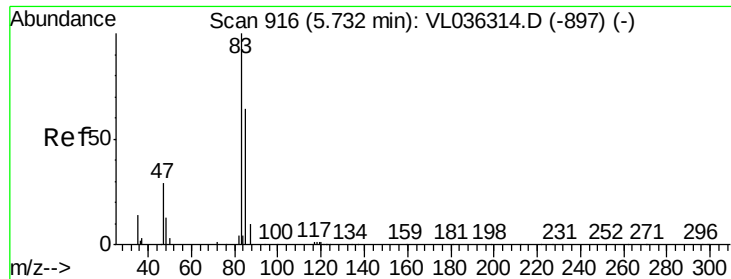
Tgt Ion: 73 Resp: 2206524

Ion Ratio Lower Upper

73 100

57 23.8 19.2 28.8





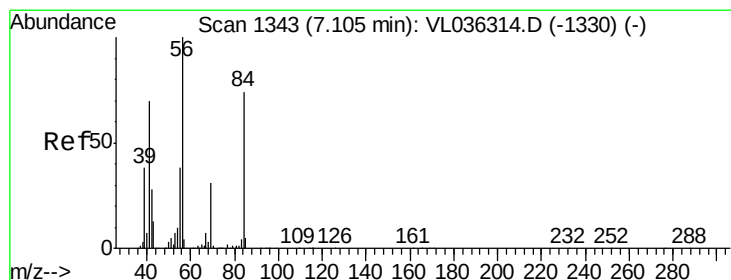
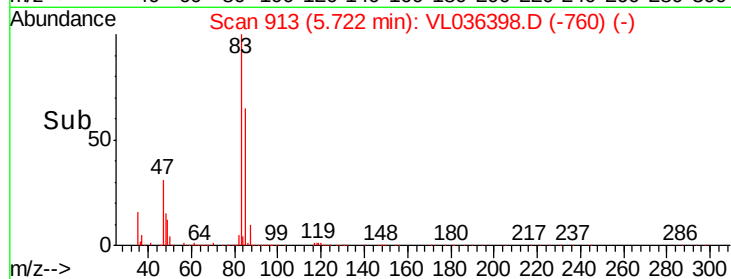
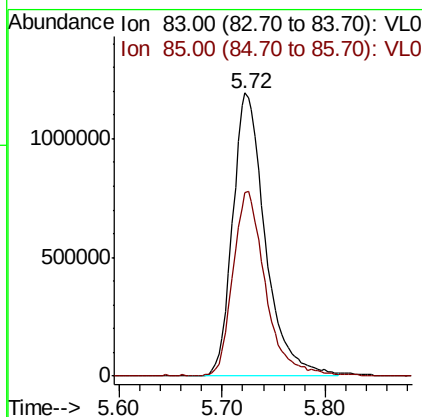
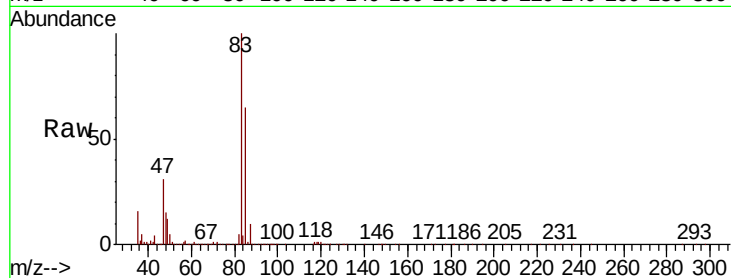
#29
Chloroform
Concen: 11.607 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

Tot Ion: 83 Resp: 2634849
Ion Ratio Lower Upper
83 100
85 64.6 51.4 77.2

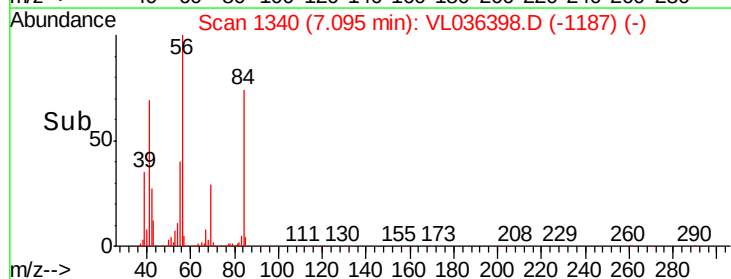
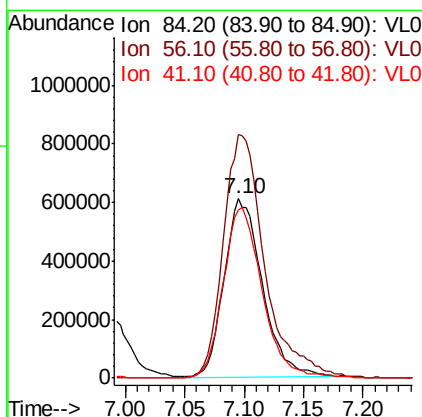
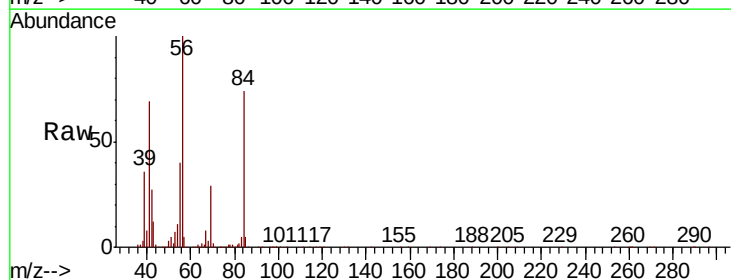
Manual Integrations
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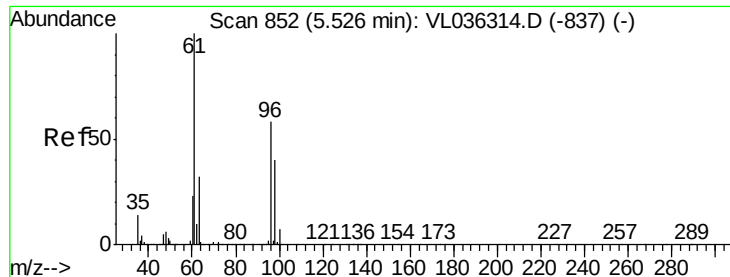
MMDadoda
3/1/2021 10:08:22 AM



#30
Cyclohexane
Concen: 11.568 ppbv
RT: 7.10 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion: 84 Resp: 1355581
Ion Ratio Lower Upper
84 100
56 149.3 120.2 180.4
41 97.4 79.7 119.5





#31

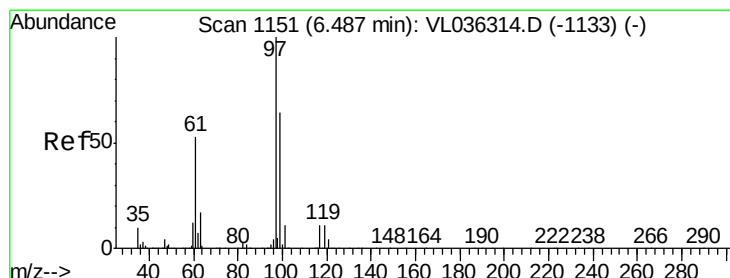
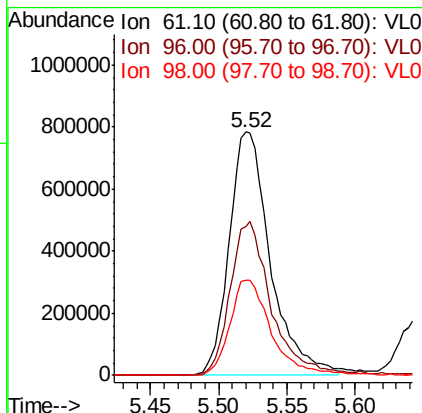
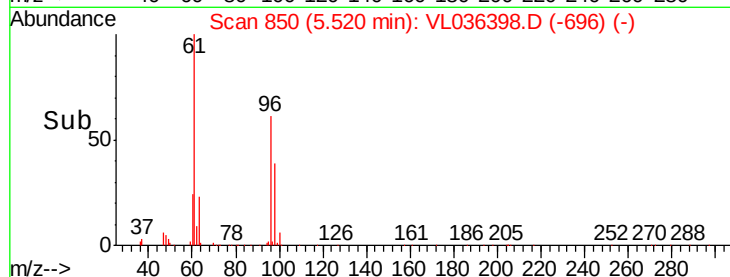
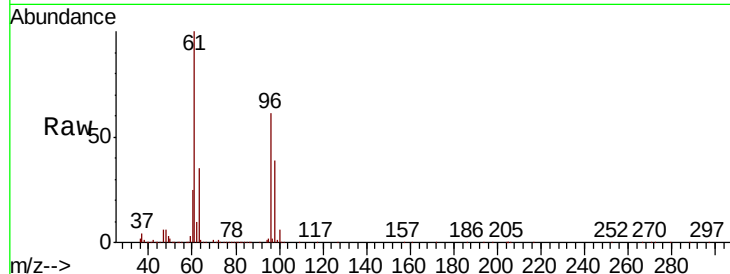
cis-1,2-Dichloroethene
Concen: 11.760 ppbv
RT: 5.52 min Scan# 850
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

Tot Ion	61	Resp	1639596
Ion	Ratio	Lower	Upper
61	100		
96	60.9	46.0	69.0
98	39.3	31.9	47.9

Manual Integrations
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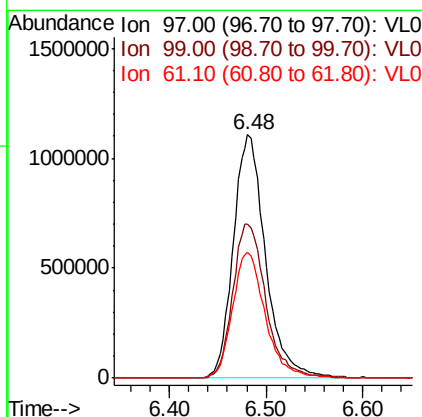
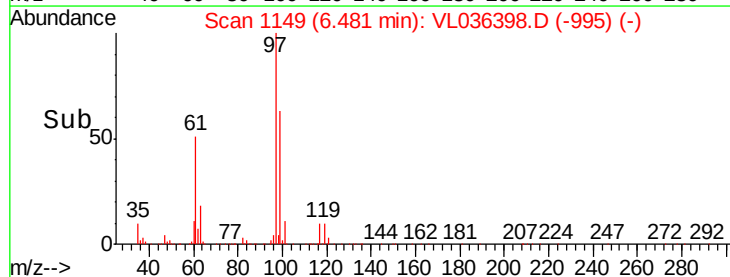
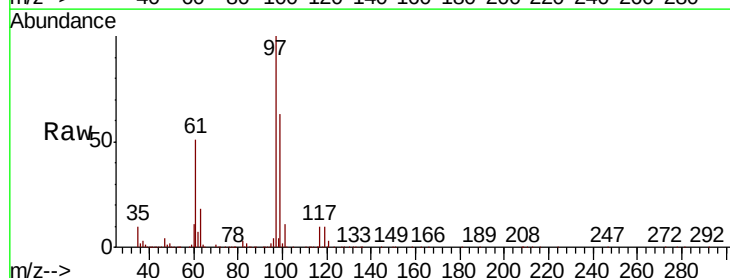
MMDadoda
3/1/2021 10:08:22 AM

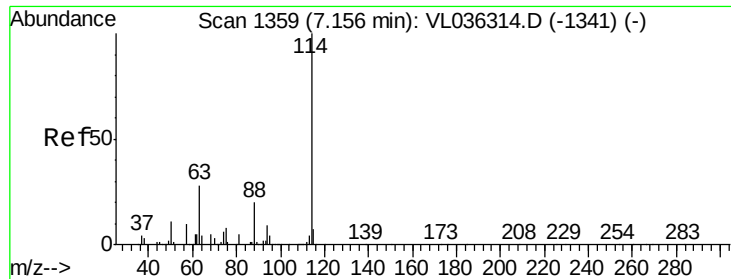


#32

1,1,1-Trichloroethane
Concen: 12.052 ppbv
RT: 6.48 min Scan# 1149
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion	97	Resp	2557884
Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.2	78.4
61	52.8	43.3	64.9





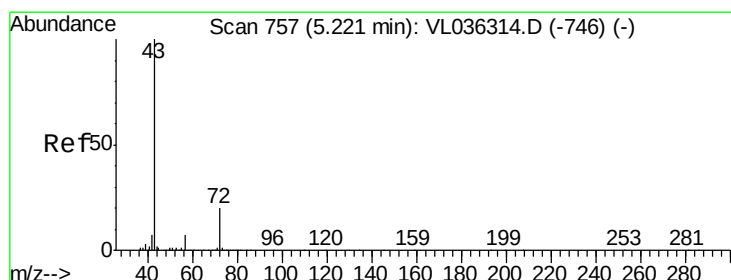
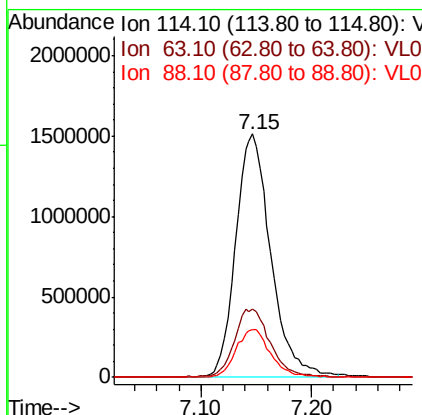
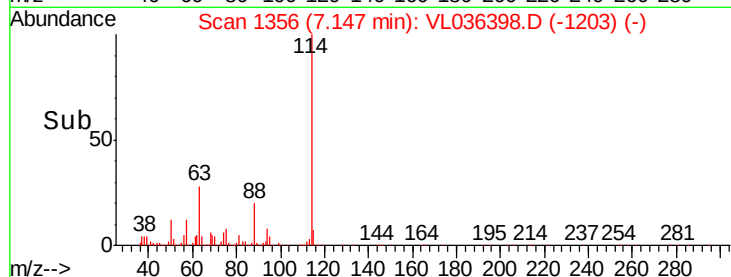
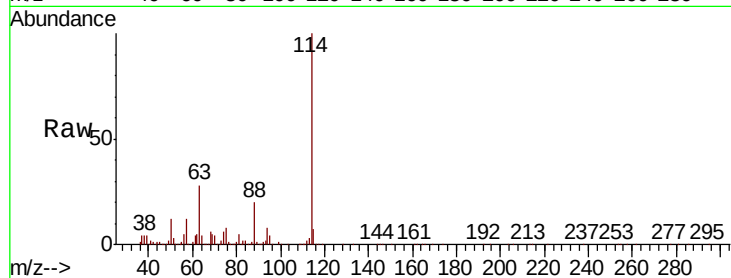
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.1	24.1	36.1
88	19.7	16.0	24.0

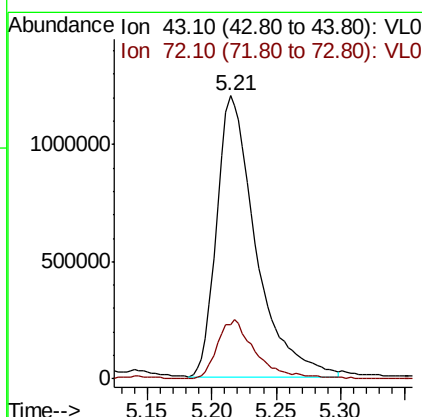
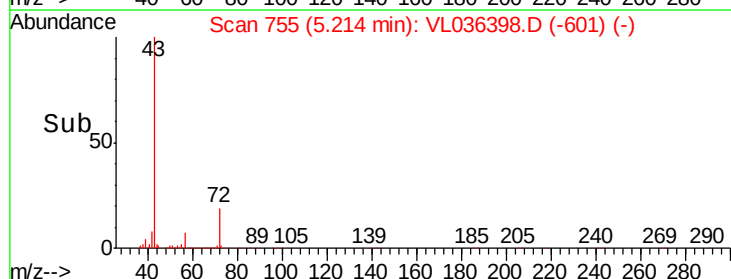
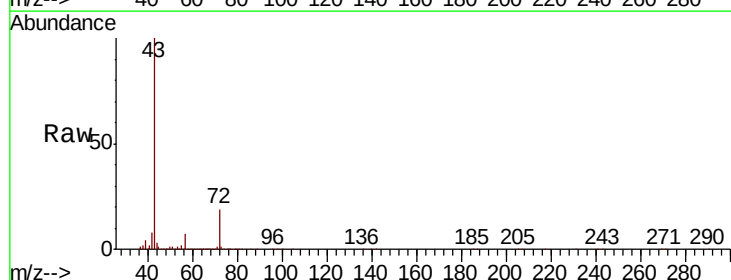
Manual Integrations
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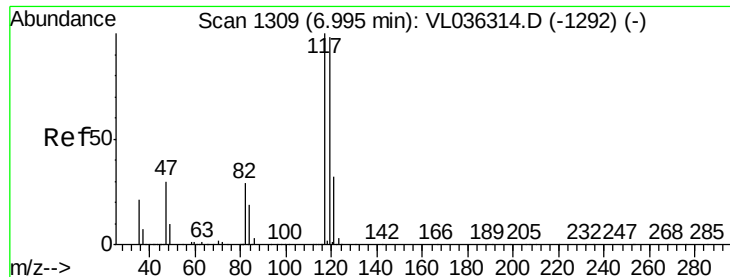
MMDadoda
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#34
 2-Butanone
 Concen: 11.383 ppbv
 RT: 5.21 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.7	16.7	25.1





#35

Carbon Tetrachloride

Concen: 11.767 ppbv

RT: 6.99 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

Tot Ion: 117 Resp: 2632226

Ion Ratio Lower Upper

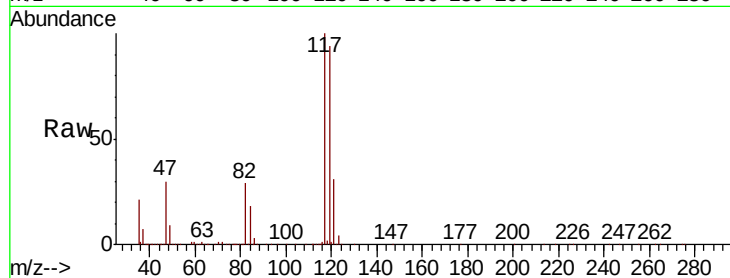
117 100

119 94.2 78.1 117.1

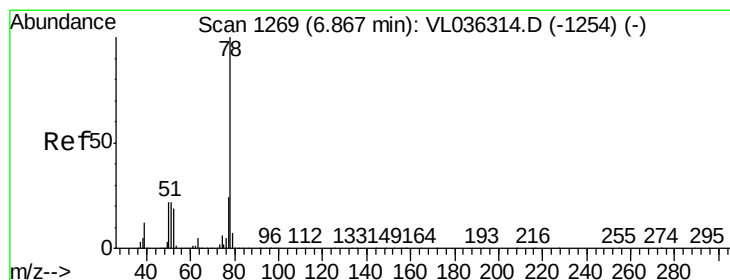
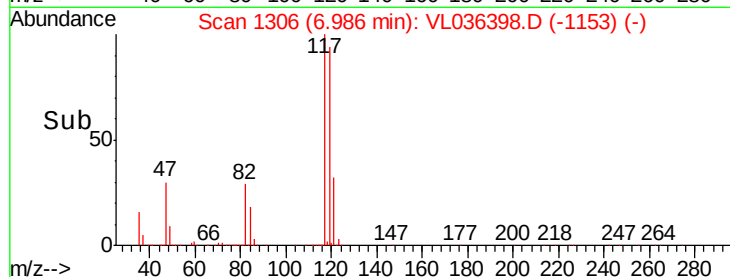
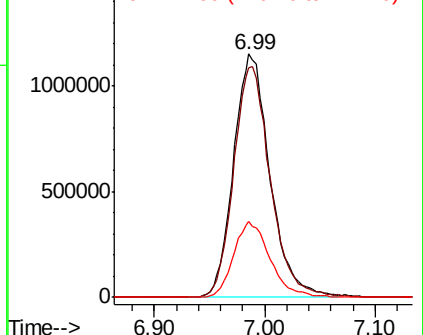
121 31.2 25.8 38.8

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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: 12.002 ppbv

RT: 6.86 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

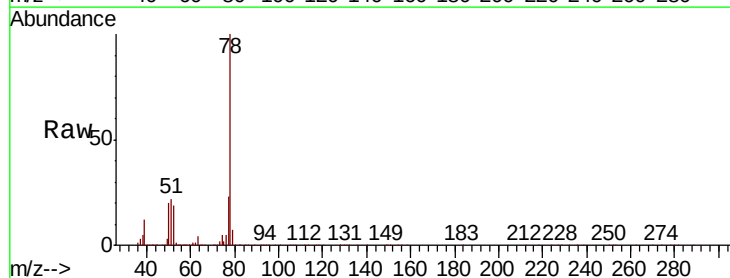
Tgt Ion: 78 Resp: 3402919

Ion Ratio Lower Upper

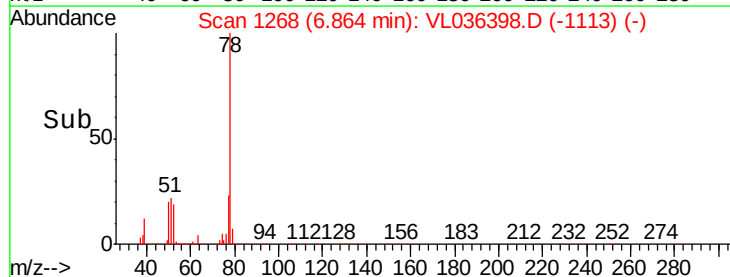
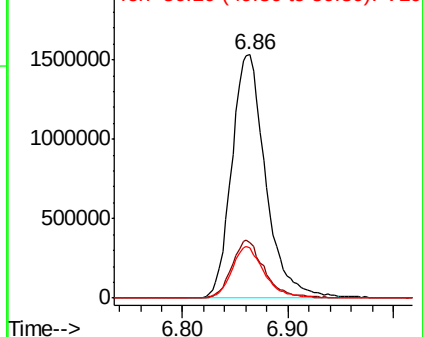
78 100

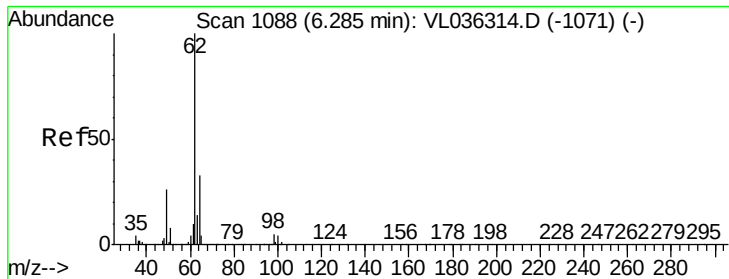
77 22.7 18.9 28.3

50 20.4 17.3 25.9



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





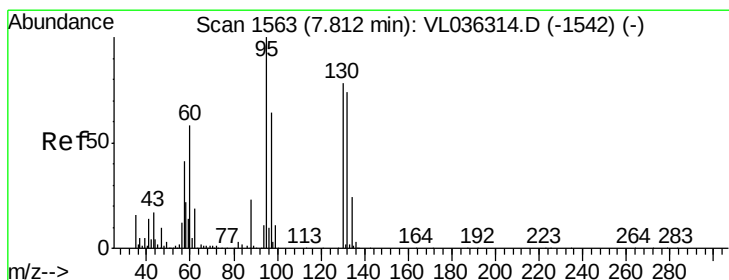
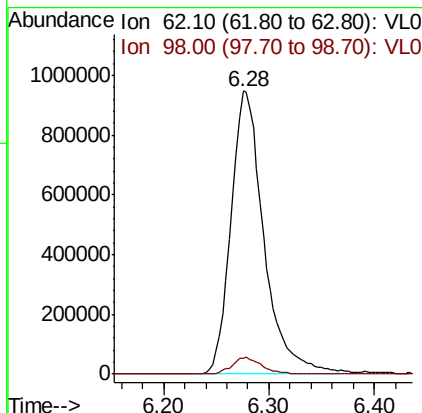
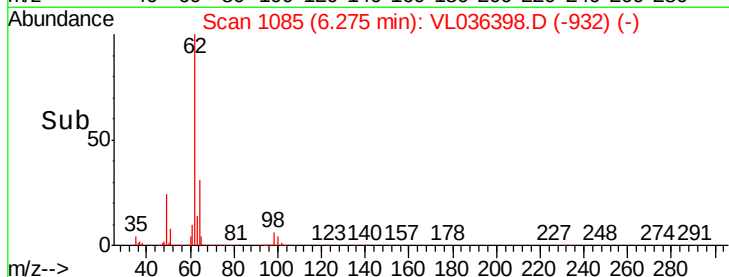
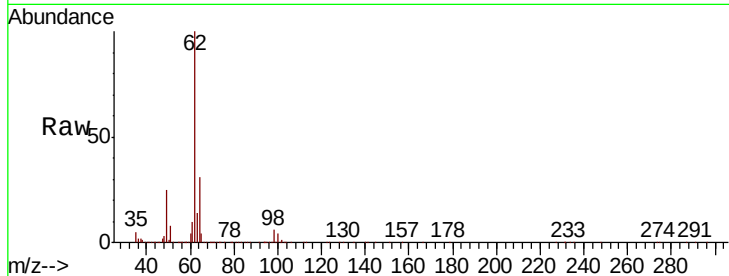
#37
1,2-Dichloroethane
Concen: 11.695 ppbv
RT: 6.28 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

Tot Ion: 62 Resp: 2050054
Ion Ratio Lower Upper
62 100
98 5.5 4.5 6.7

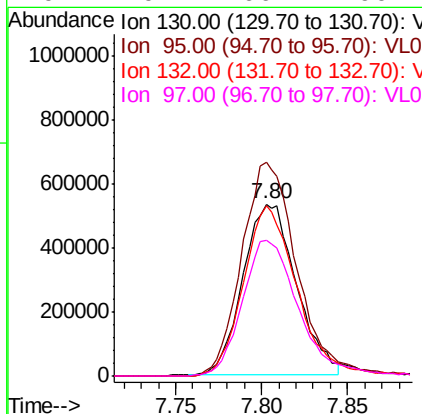
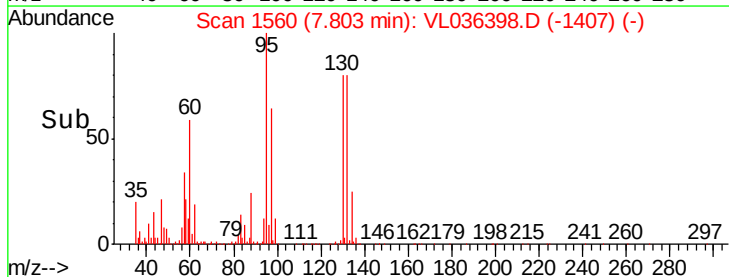
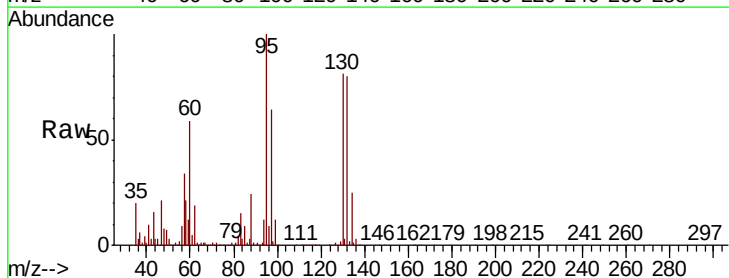
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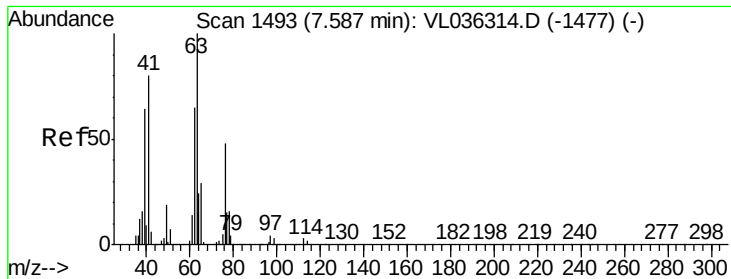
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#38
Trichloroethene
Concen: 11.324 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion:130 Resp: 1150202
Ion Ratio Lower Upper
130 100
95 124.7 102.8 154.2
132 99.2 75.7 113.5
97 79.1 66.2 99.2





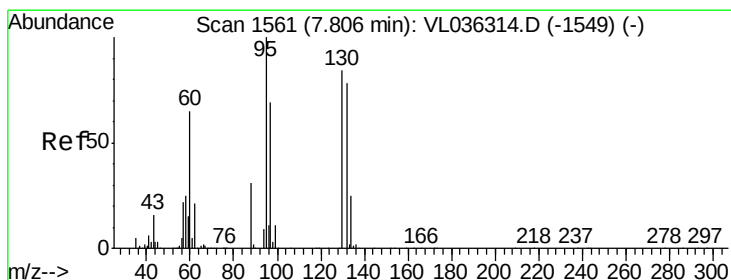
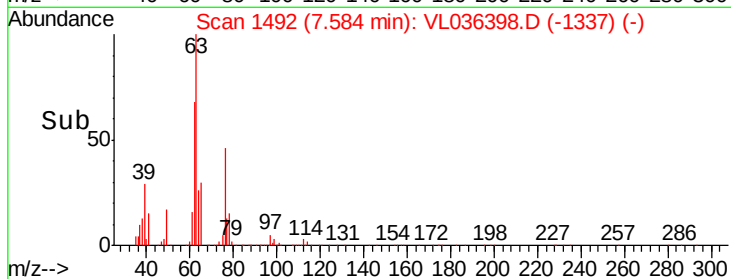
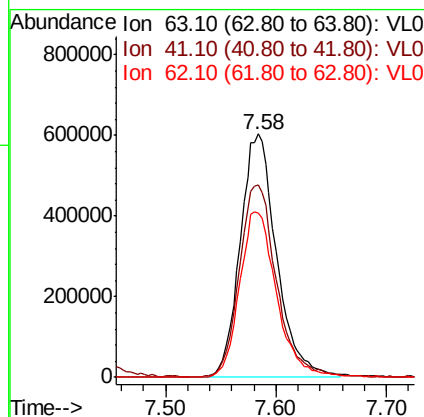
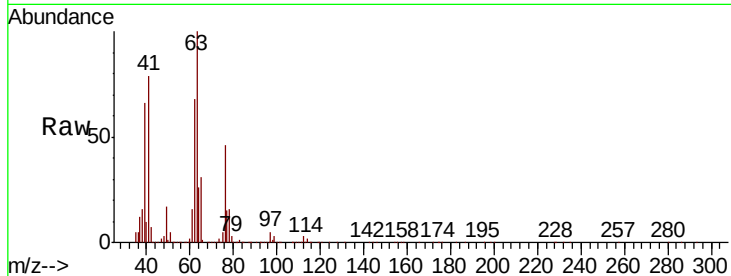
#39
 1,2-Dichloropropane
 Concen: 11.985 ppbv
 RT: 7.58 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	78.6	63.8	95.6
62	67.7	52.3	78.5

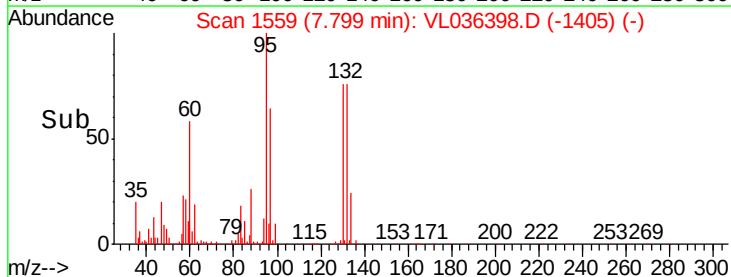
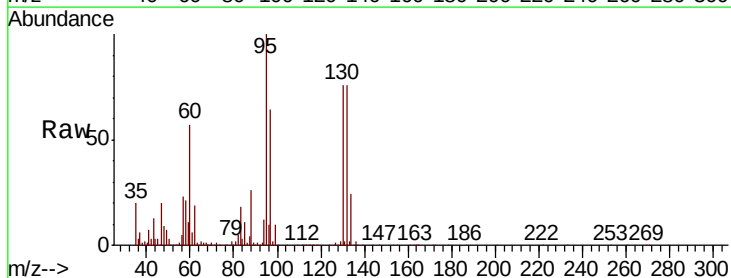
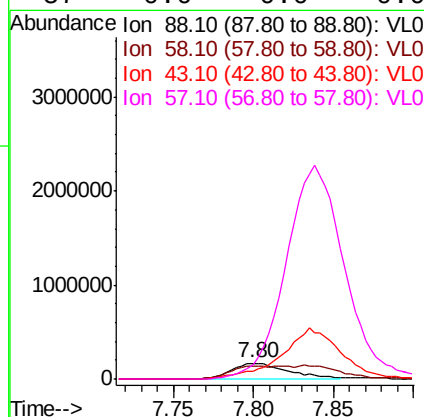
Manual Integrations
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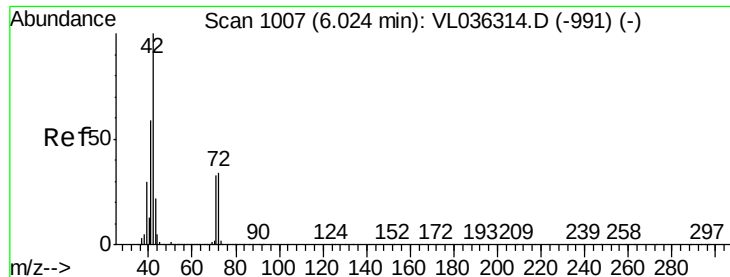
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#40
 1,4-Dioxane
 Concen: 10.027 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	45.0	67.4#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 12.169 ppbv

RT: 6.02 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

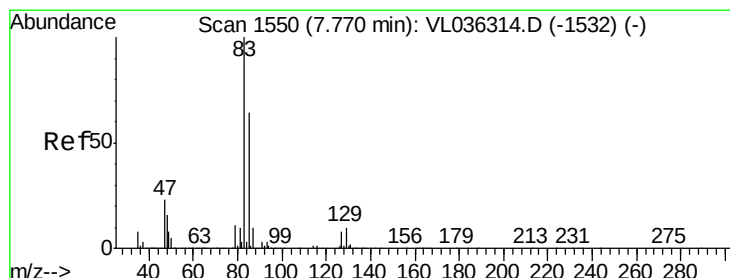
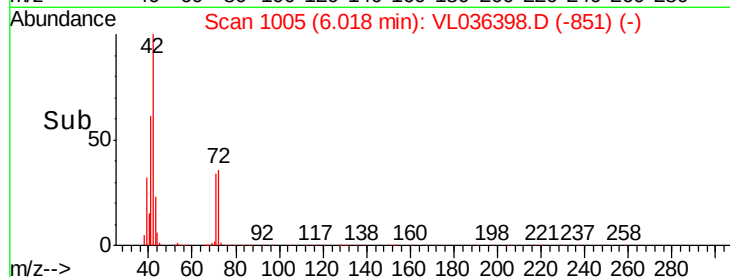
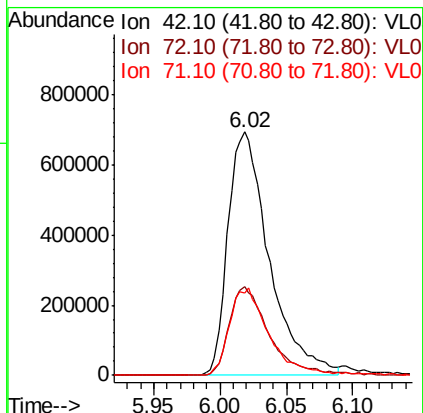
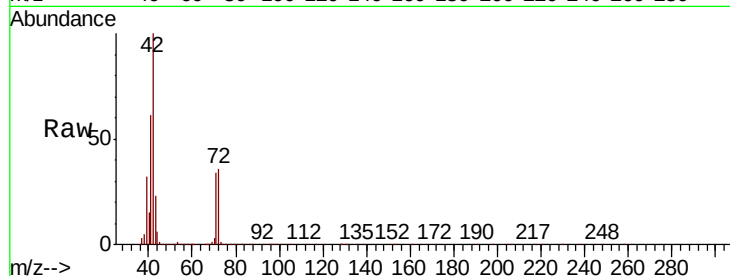
ClientSampleId :

VL0226ABS01

Tot Ion:	42	Resp:	1505956
Ion	Ratio	Lower	Upper
42	100		
72	35.9	29.3	43.9
71	35.1	27.8	41.8

Manual Integrations
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3/1/2021 10:08:22 AM



#42

Bromodichloromethane

Concen: 12.033 ppbv

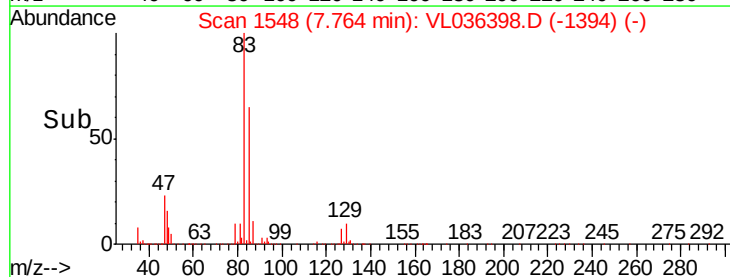
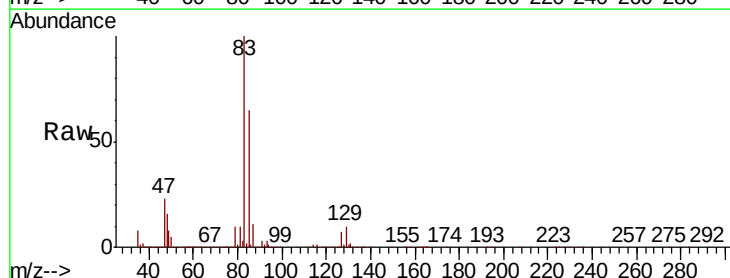
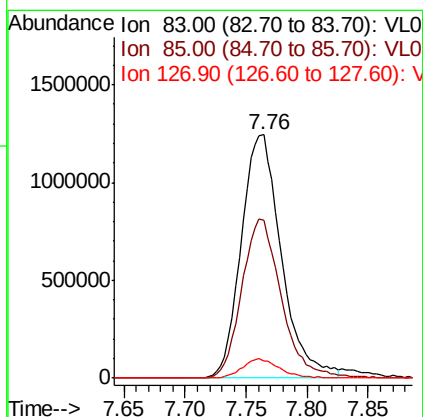
RT: 7.76 min Scan# 1548

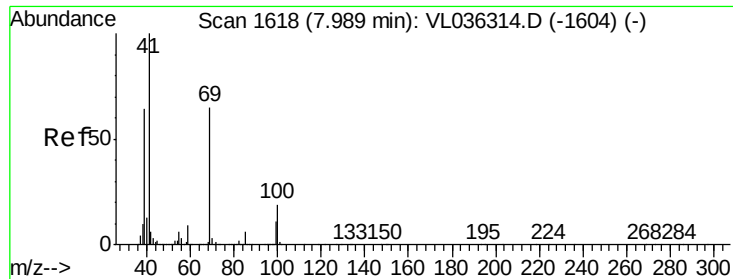
Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Tgt Ion:	83	Resp:	2824843
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	6.9	6.3	9.5





#43

Methyl Methacrylate

Concen: 12.690 ppbv

RT: 7.98 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

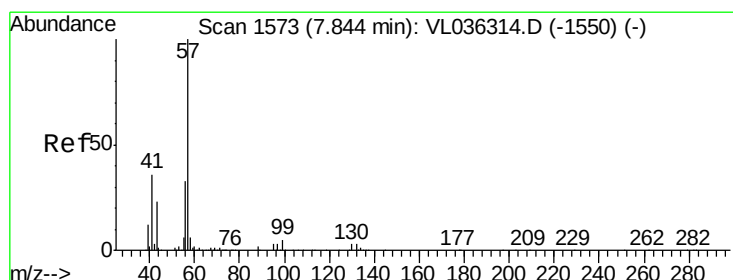
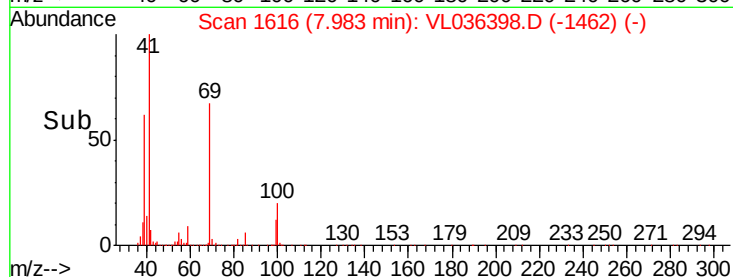
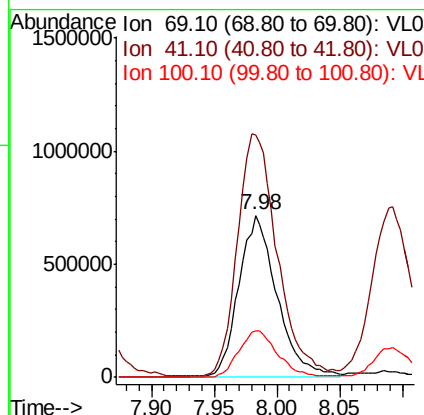
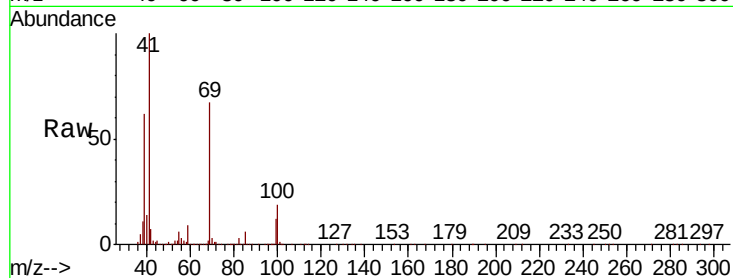
Instrument :
MSVOA_L
ClientSampleID :
VL0226ABS01

Tot Ion: 69 Resp: 1517331

Ion	Ratio	Lower	Upper
69	100		
41	157.5	126.5	189.7
100	29.3	23.1	34.7

Manual Integrations
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3/1/2021 10:08:22 AM



#44

2,2,4-Trimethylpentane

Concen: 11.285 ppbv

RT: 7.84 min Scan# 1571

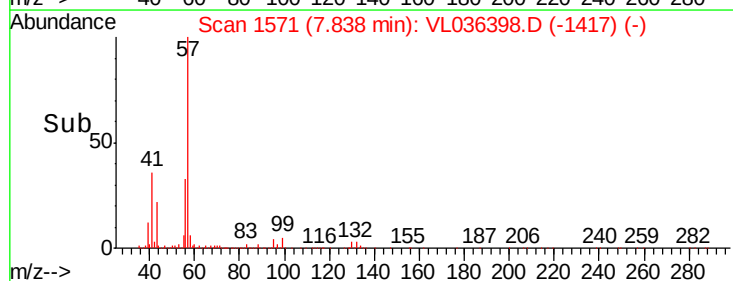
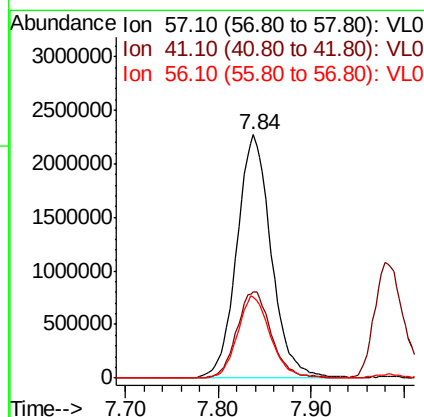
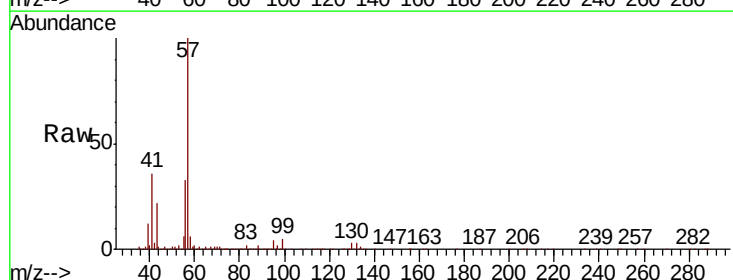
Delta R.T. -0.01 min

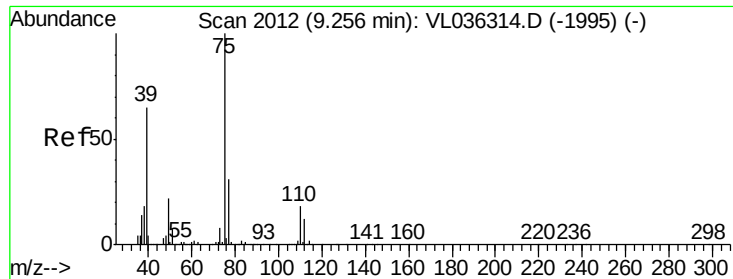
Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Tgt Ion: 57 Resp: 5817849

Ion	Ratio	Lower	Upper
57	100		
41	35.7	28.8	43.2
56	32.7	25.8	38.6





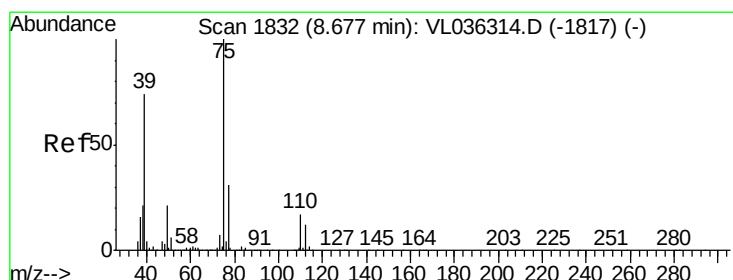
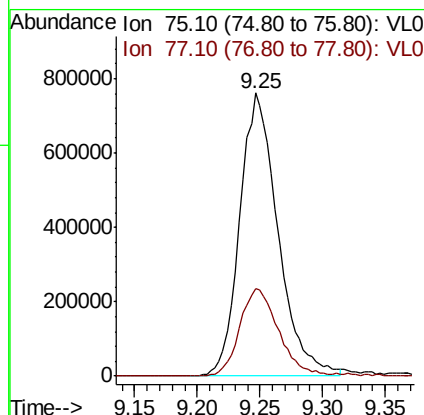
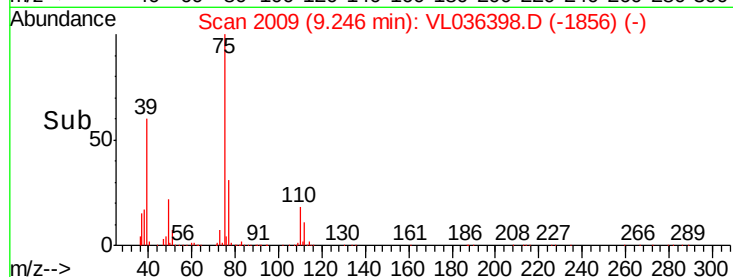
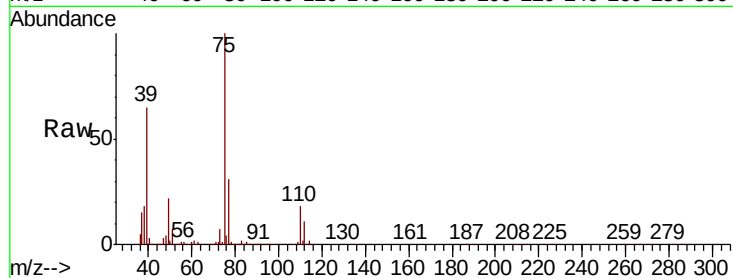
#45
 t-1,3-Dichloropropene
 Concen: 13.953 ppbv
 RT: 9.25 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

Tot Ion: 75 Resp: 1609453
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 37.0

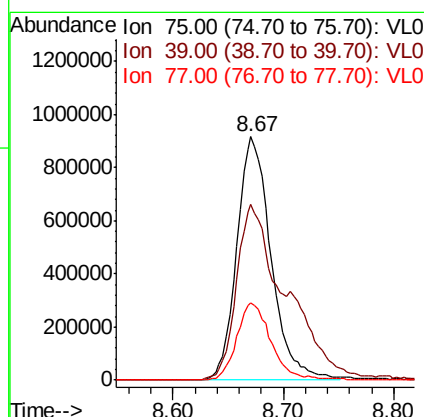
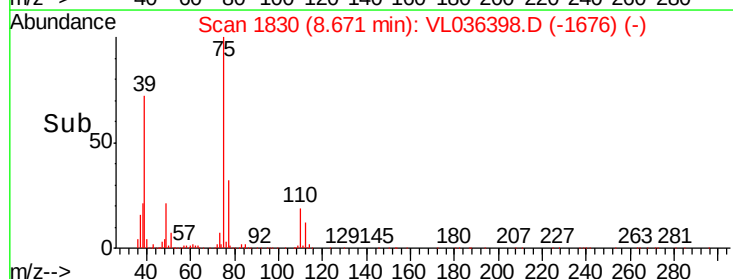
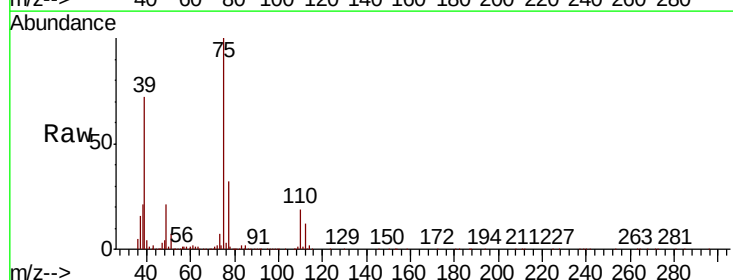
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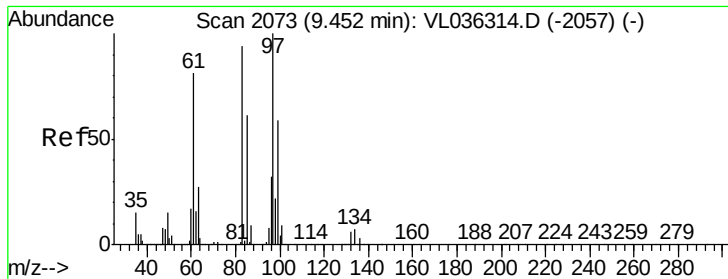
MMDadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 13.453 ppbv
 RT: 8.67 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion: 75 Resp: 1971173
 Ion Ratio Lower Upper
 75 100
 39 72.0 59.2 88.8
 77 31.9 25.0 37.6





#47

1,1,2-Trichloroethane

Concen: 11.766 ppbv

RT: 9.44 min Scan# 2070

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

Tot Ion: 97 Resp: 1386783

Ion Ratio Lower Upper

97 100

83 89.4 75.4 113.0

85 58.6 48.9 73.3

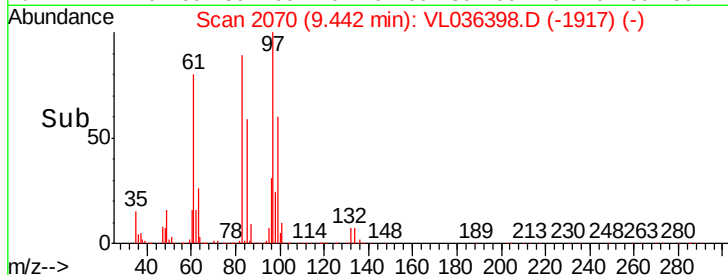
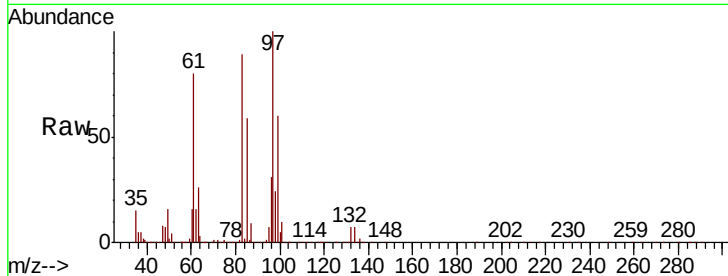
99 60.5 46.9 70.3

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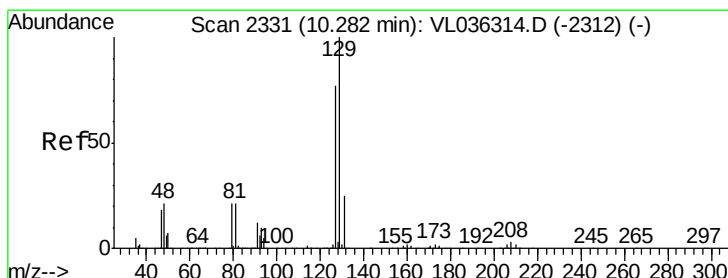
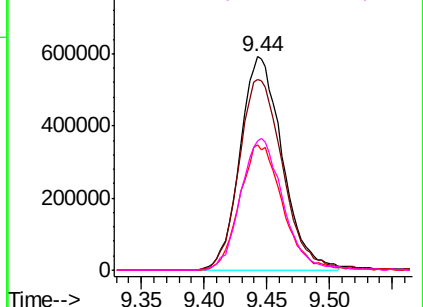


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 12.945 ppbv

RT: 10.28 min Scan# 2329

Delta R.T. -0.01 min

Lab File: VL036398.D

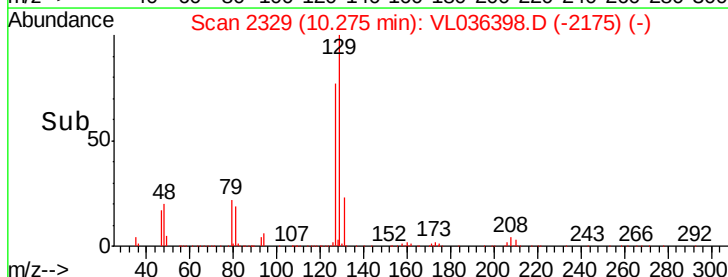
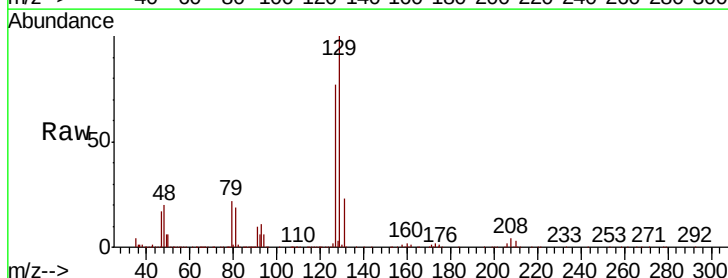
Acq: 26 Feb 2021 12:16

Tgt Ion:129 Resp: 2276702

Ion Ratio Lower Upper

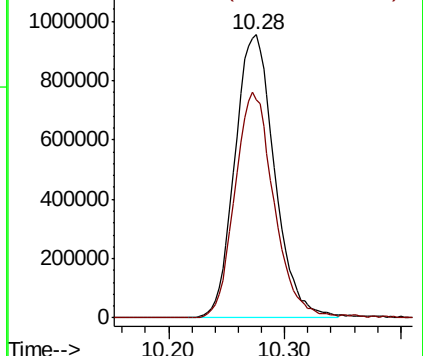
129 100

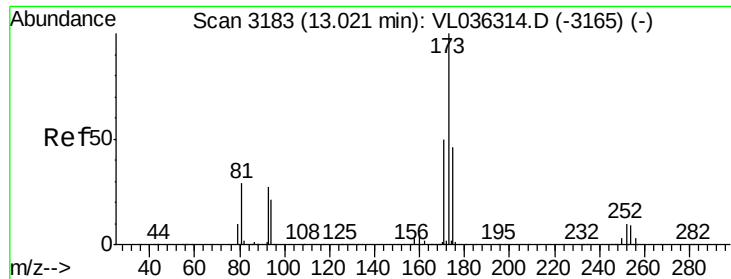
127 79.1 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 13.656 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

Tot Ion:173 Resp: 1941709

Ion Ratio Lower Upper

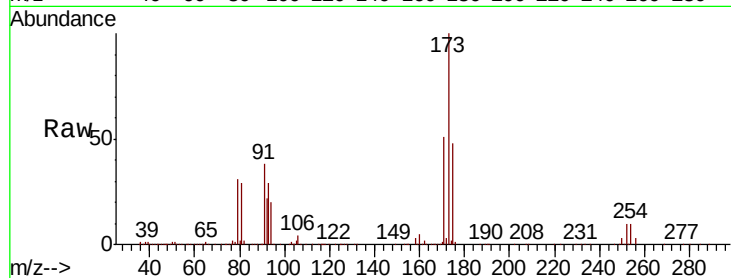
173 100

175 50.3 40.2 60.2

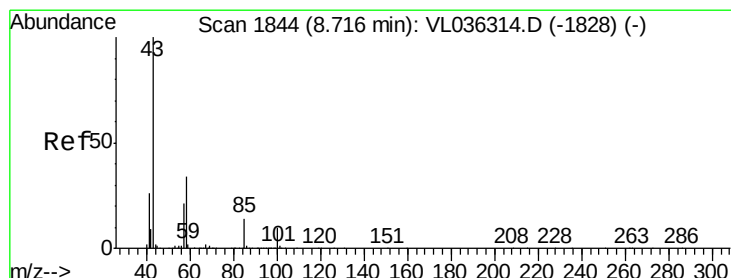
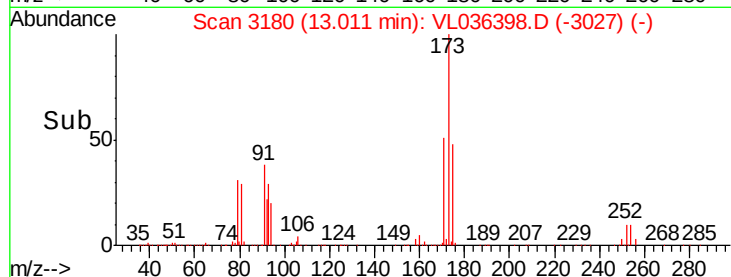
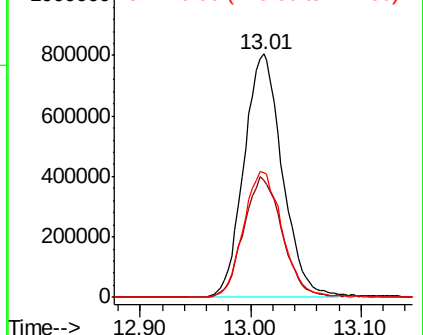
171 53.2 43.4 65.2

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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: 12.066 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VL036398.D

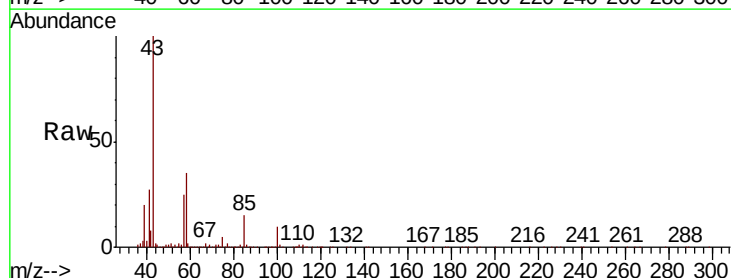
Acq: 26 Feb 2021 12:16

Tgt Ion: 43 Resp: 3972172

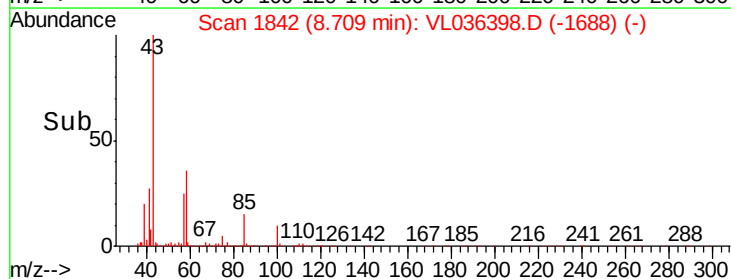
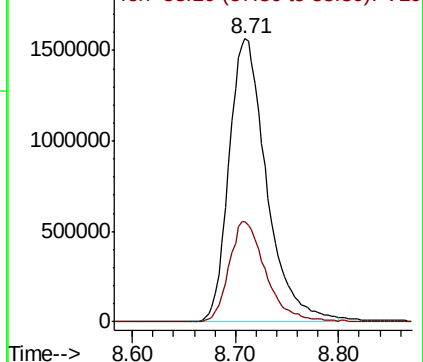
Ion Ratio Lower Upper

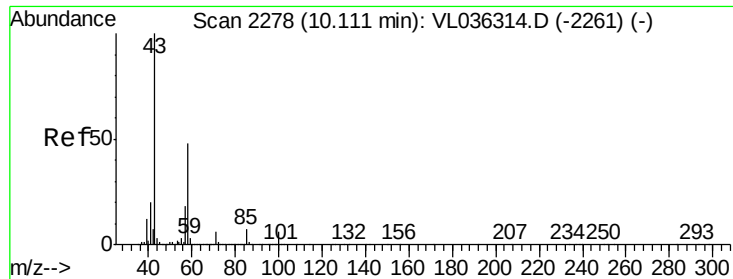
43 100

58 34.9 27.8 41.6



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





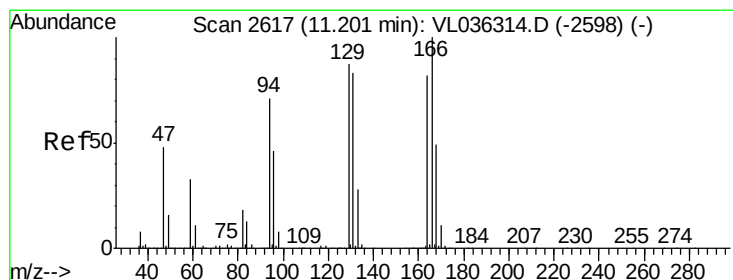
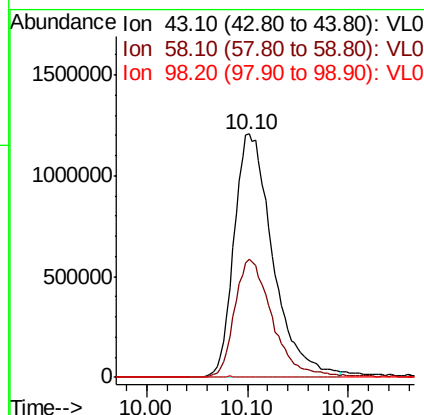
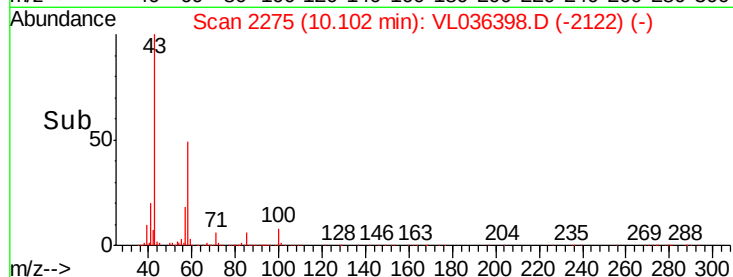
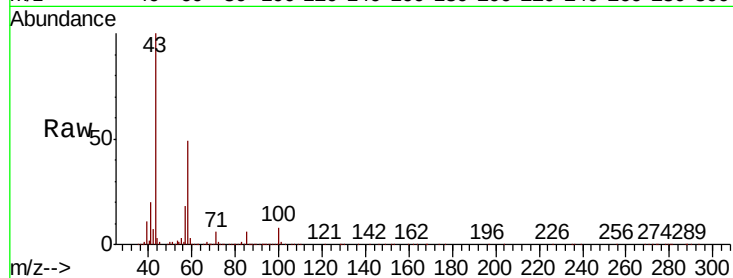
#51
2-Hexanone
Concen: 12.901 ppbv
RT: 10.10 min Scan# 2275
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

Tot Ion: 43 Resp: 3227061
Ion Ratio Lower Upper
43 100
58 47.9 38.7 58.1
98 0.2 0.4 0.6#

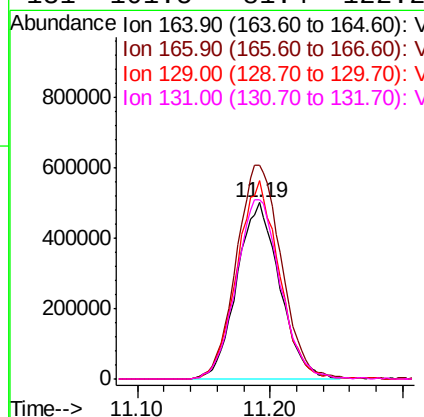
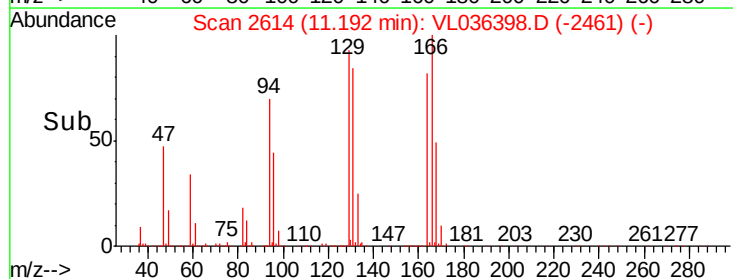
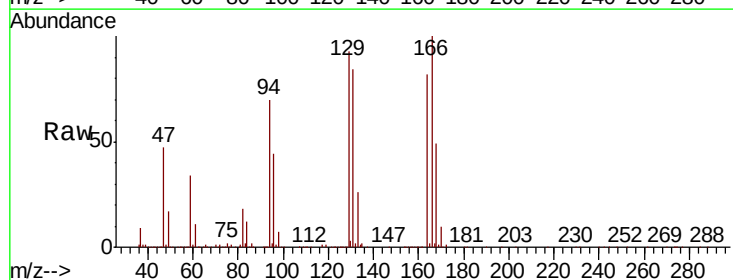
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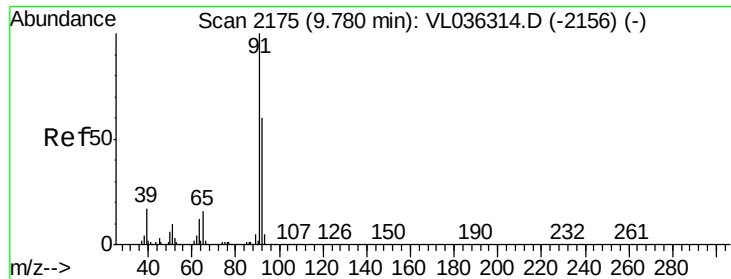
MMDadoda
3/1/2021 10:08:22 AM



#52
Tetrachloroethene
Concen: 10.768 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion: 164 Resp: 1117594
Ion Ratio Lower Upper
164 100
166 121.1 97.8 146.8
129 112.6 84.9 127.3
131 101.5 81.4 122.2





#53

Toluene

Concen: 12.269 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

Tot Ion: 91 Resp: 3767698

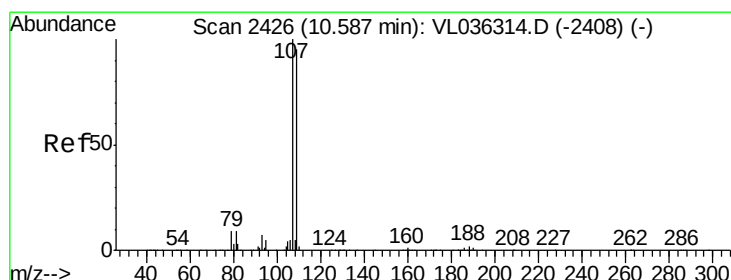
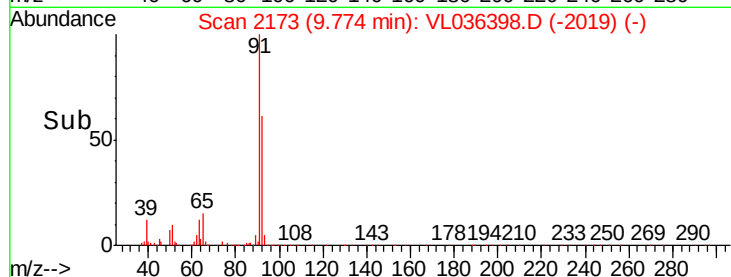
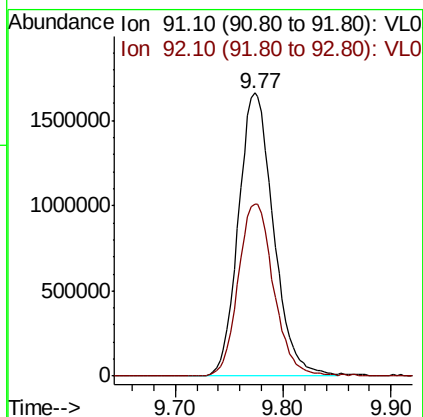
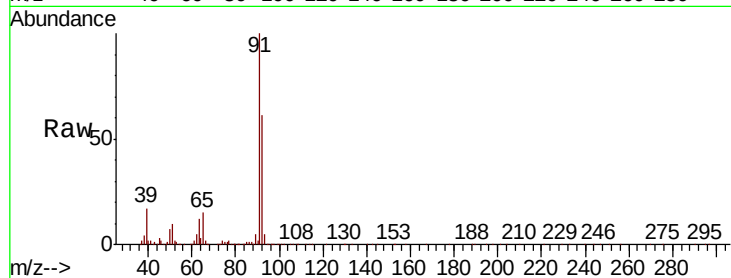
Ion Ratio Lower Upper

91 100

92 62.0 48.6 72.8

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#54

1,2-Dibromoethane

Concen: 11.937 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. -0.01 min

Lab File: VL036398.D

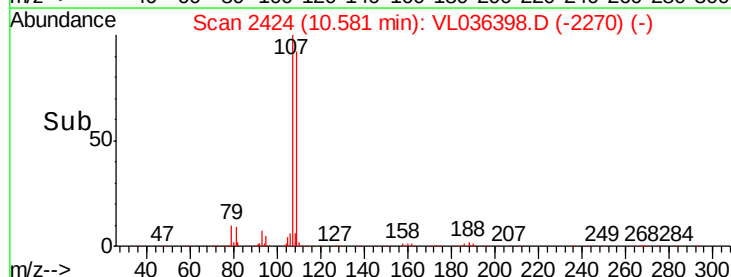
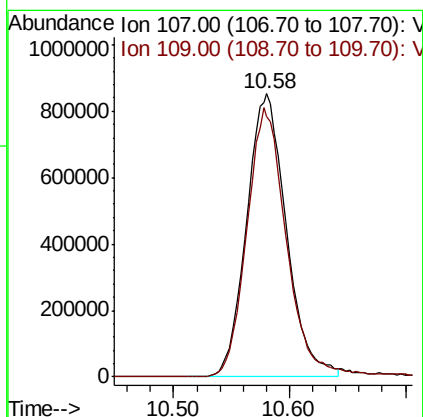
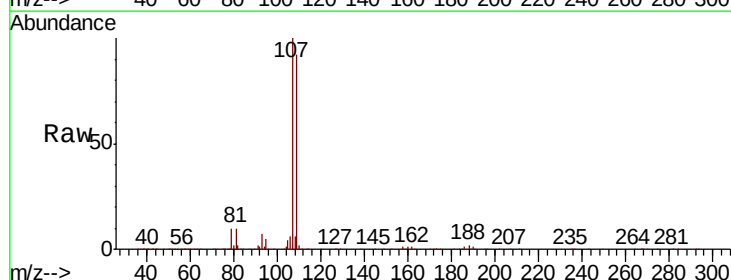
Acq: 26 Feb 2021 12:16

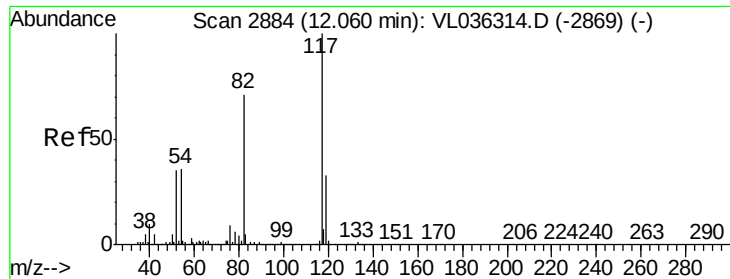
Tgt Ion: 107 Resp: 2033315

Ion Ratio Lower Upper

107 100

109 91.9 76.0 114.0





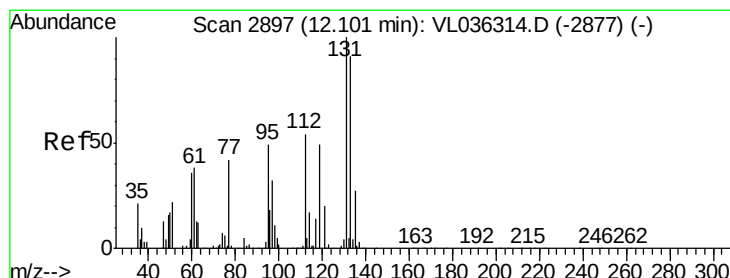
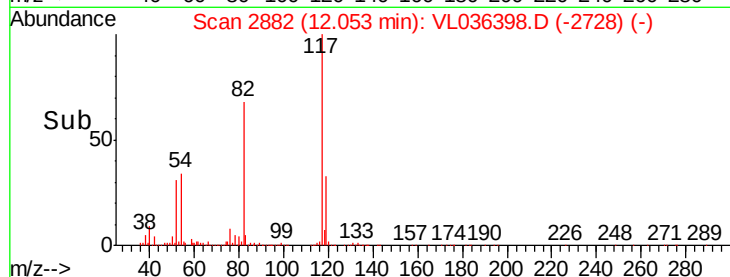
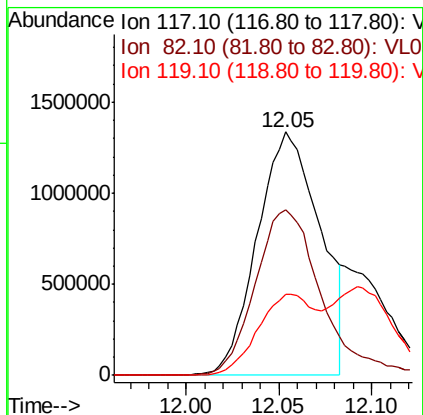
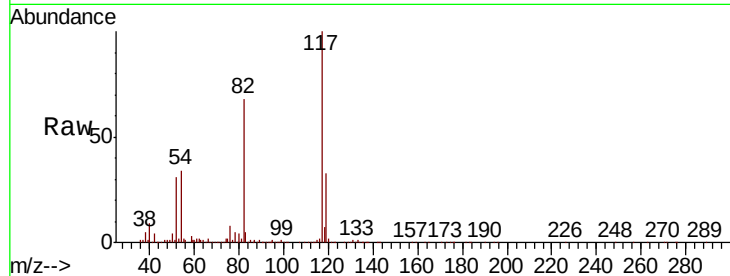
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.05 min Scan# 2882
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	72.7	59.1	88.7
119	32.8	46.3	69.5

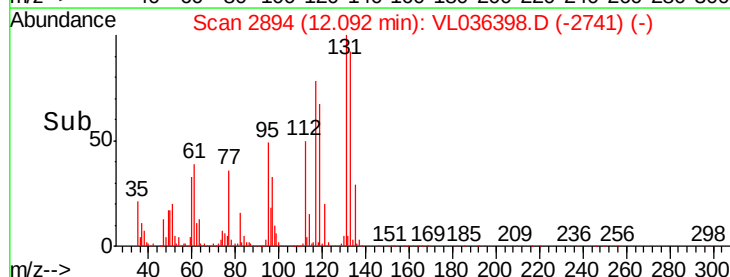
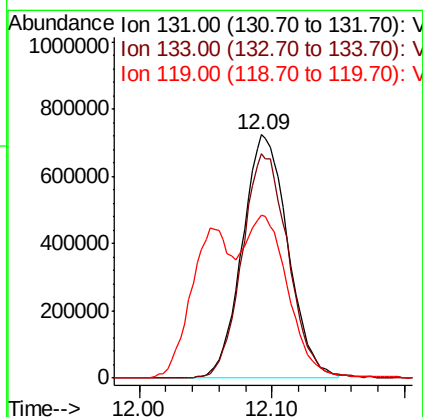
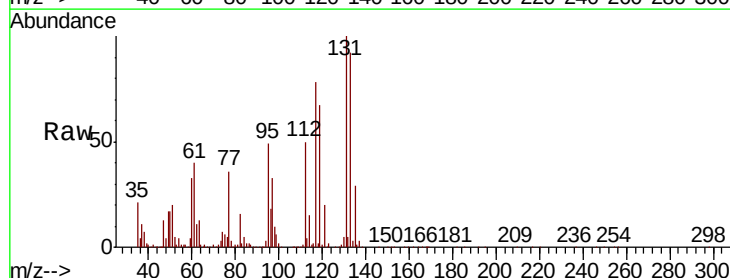
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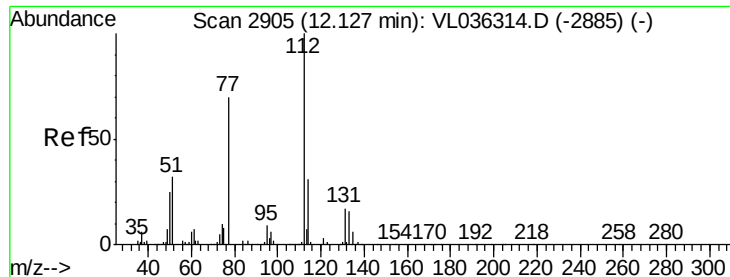
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#56
1,1,1,2-Tetrachloroethane
Concen: 11.979 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.0	76.0	114.0
119	69.9	115.1	172.7





#57

Chlorobenzene

Concen: 11.470 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

Tot Ion:112 Resp: 2778294

Ion Ratio Lower Upper

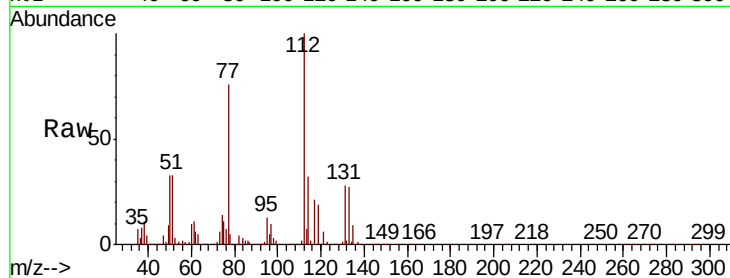
112 100

77 74.6 56.1 84.1

114 32.4 28.3 34.5

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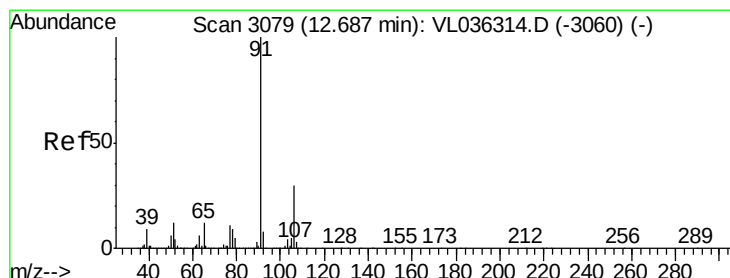
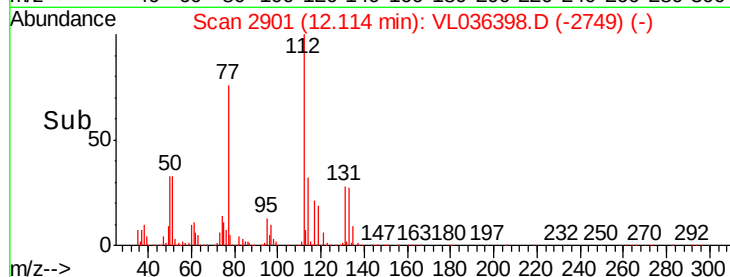
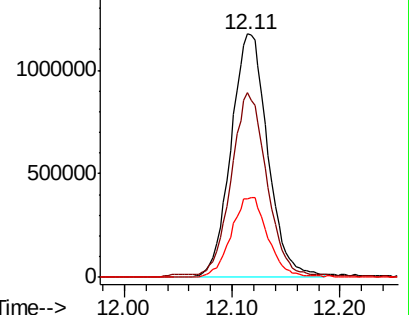
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 12.079 ppbv

RT: 12.68 min Scan# 3076

Delta R.T. -0.01 min

Lab File: VL036398.D

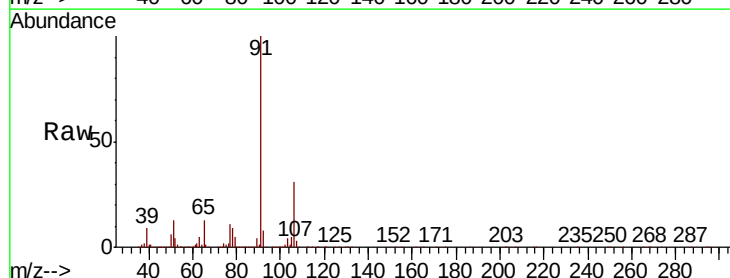
Acq: 26 Feb 2021 12:16

Tgt Ion: 91 Resp: 5185575

Ion Ratio Lower Upper

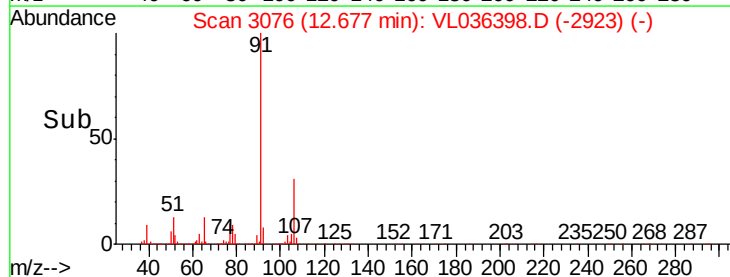
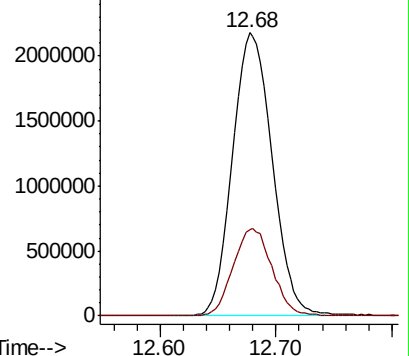
91 100

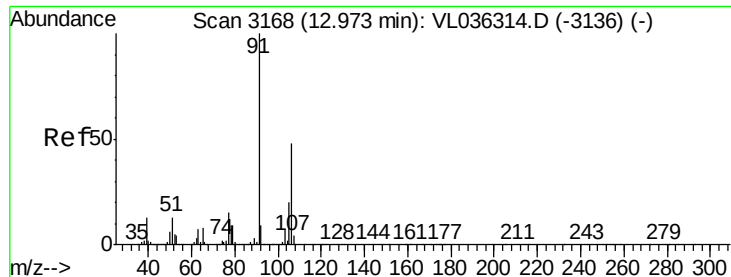
106 30.6 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





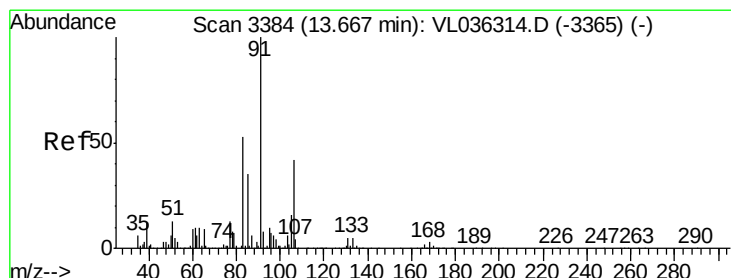
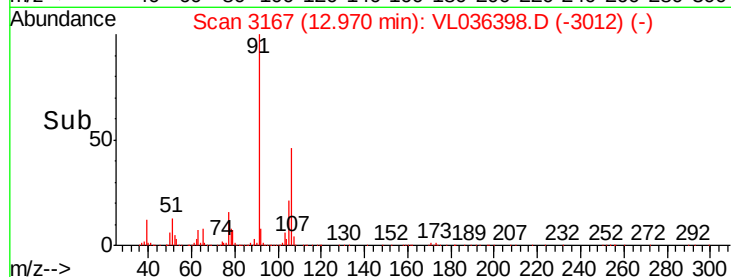
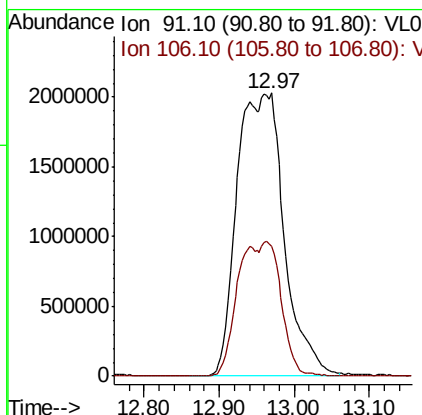
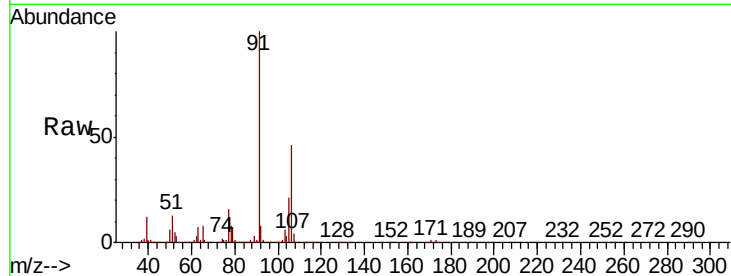
#59
m/p-Xylene
Concen: 23.404 ppbv m
RT: 12.97 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

Tot Ion: 91 Resp: 8825141
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#

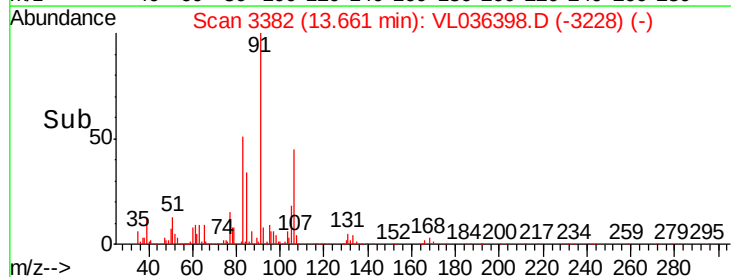
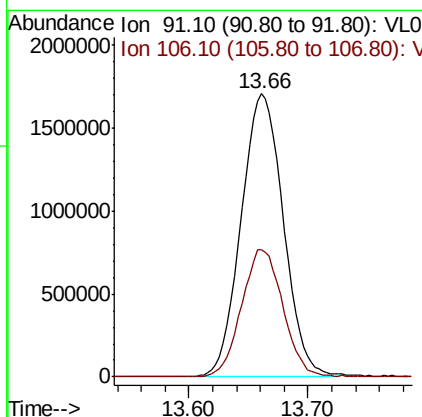
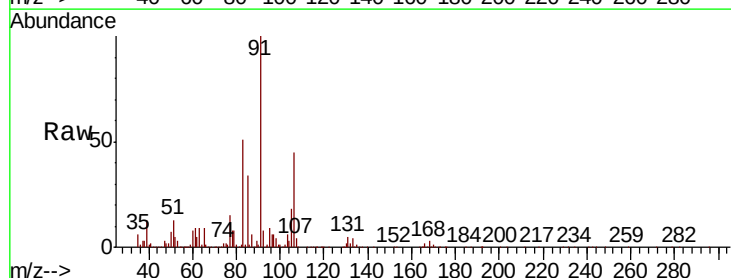
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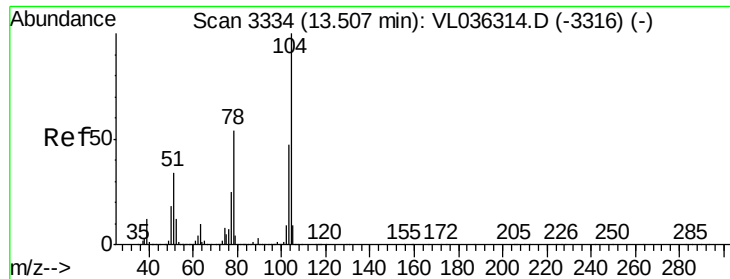
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#60
o-Xylene
Concen: 11.611 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion: 91 Resp: 4186044
Ion Ratio Lower Upper
91 100
106 44.4 22.0 66.0





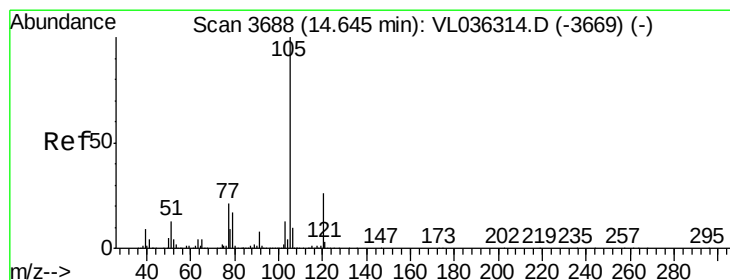
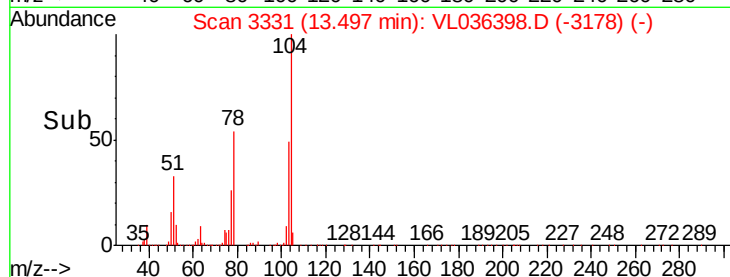
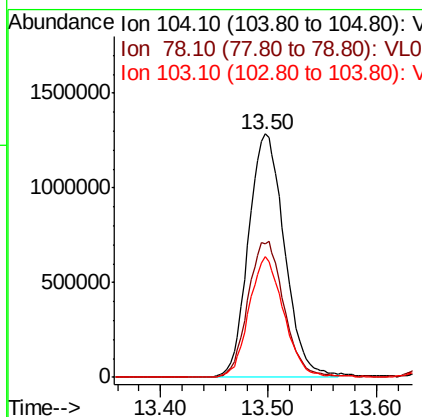
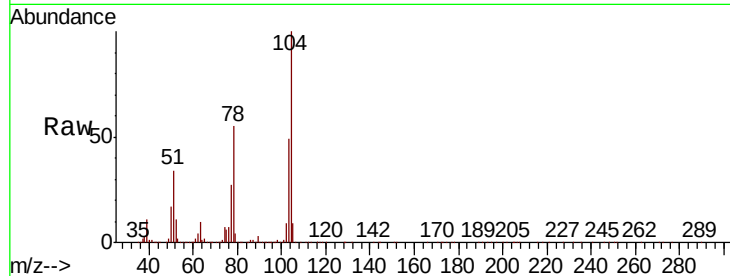
#61
Stvrene
Concen: 13.343 ppbv
RT: 13.50 min Scan# 3331
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.3	46.2	69.2
103	48.2	38.3	57.5

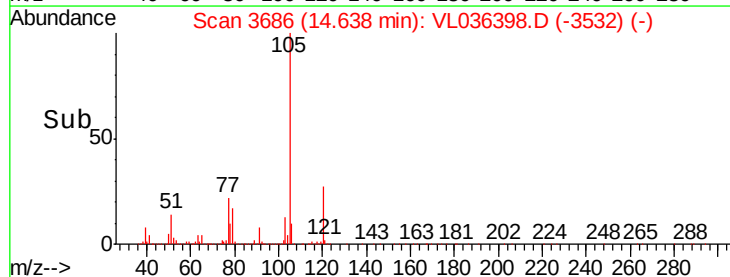
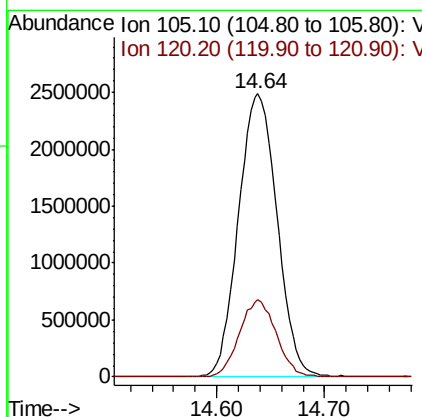
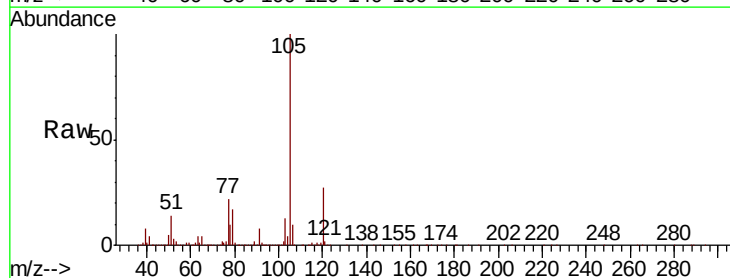
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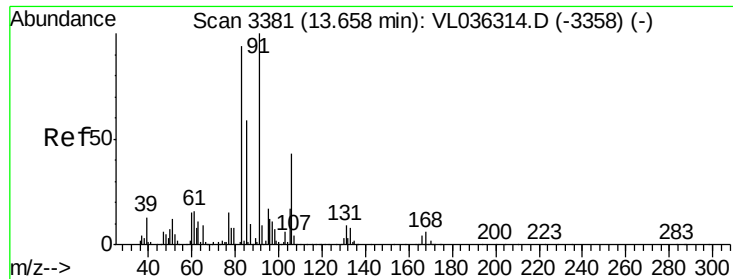
MMDadoda
3/1/2021 10:08:22 AM



#62
Isopropylbenzene
Concen: 11.461 ppbv
RT: 14.64 min Scan# 3686
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.6	30.8





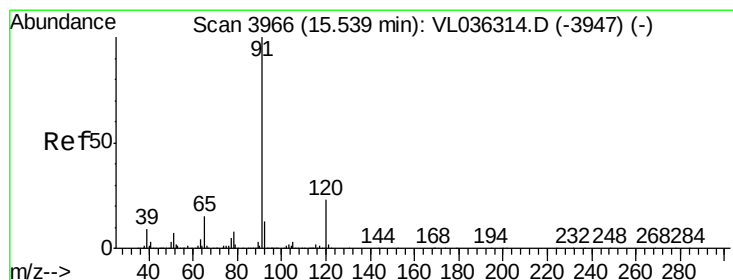
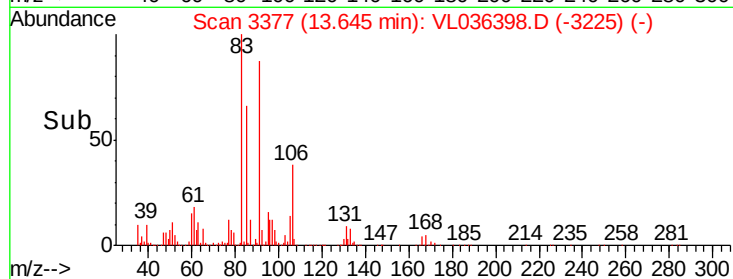
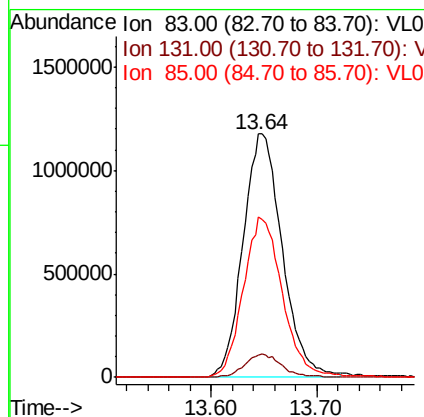
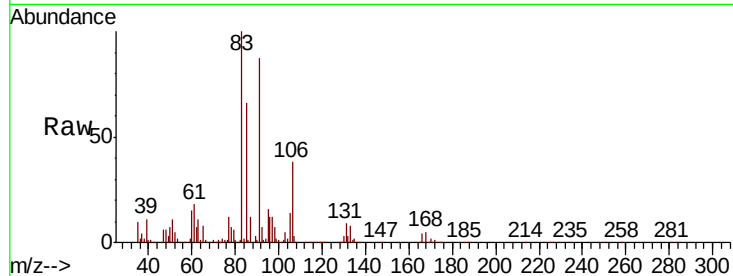
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.694 ppbv
 RT: 13.64 min Scan# 3377
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.7	14.0
85	65.8	33.0	98.9

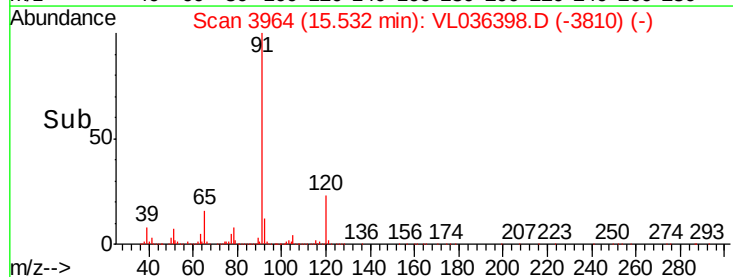
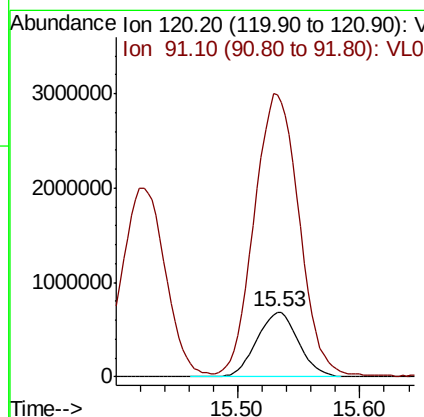
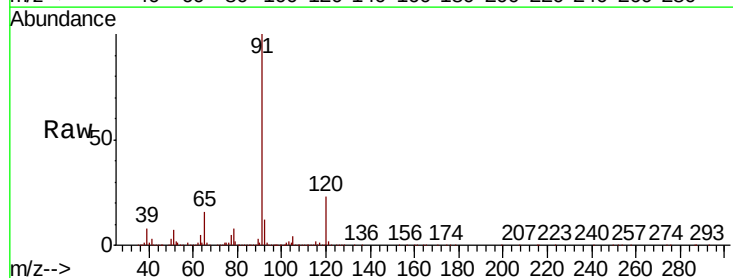
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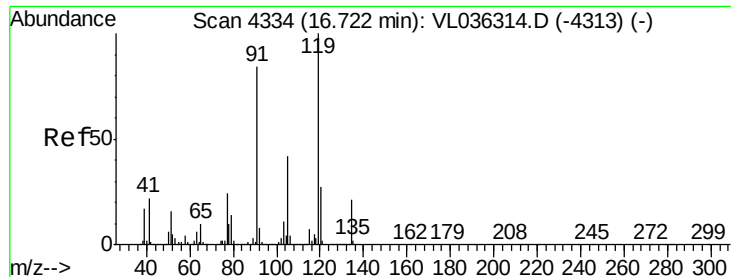
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#64
 n-propylbenzene
 Concen: 12.229 ppbv
 RT: 15.53 min Scan# 3964
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion	Ratio	Lower	Upper
120	100		
91	473.4	387.2	580.8





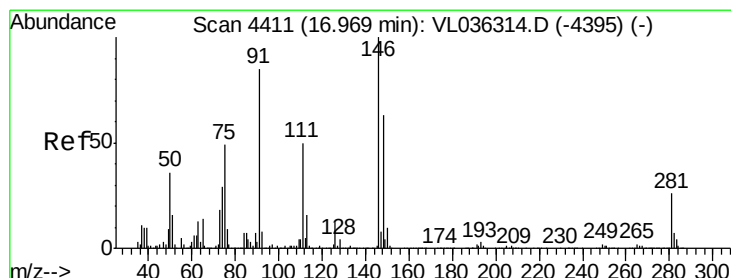
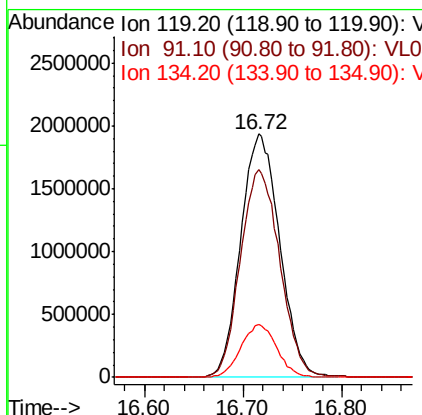
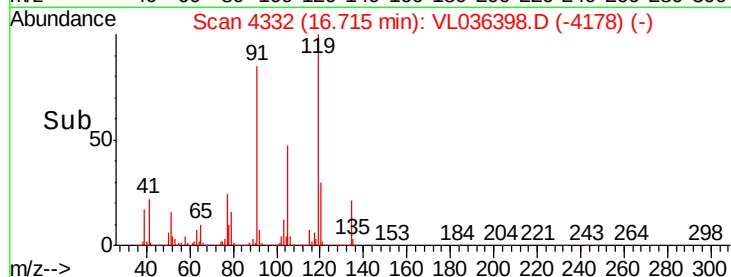
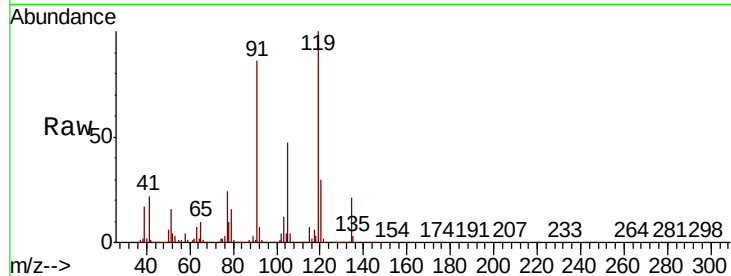
#65
tert-Butylbenzene
Concen: 11.447 ppbv
RT: 16.72 min Scan# 4332
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

Tot Ion: 119 Resp: 5293004
Ion Ratio Lower Upper
119 100
91 86.5 70.5 105.7
134 20.1 15.8 23.8

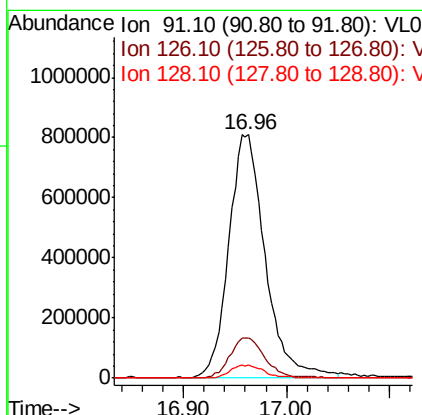
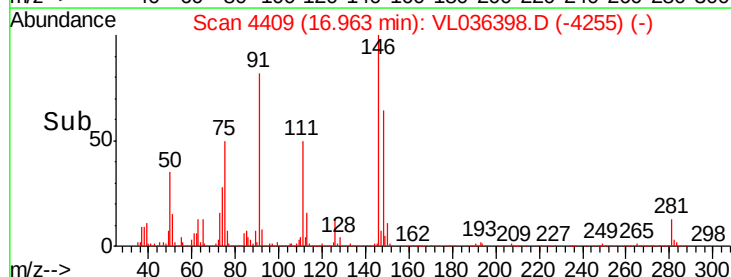
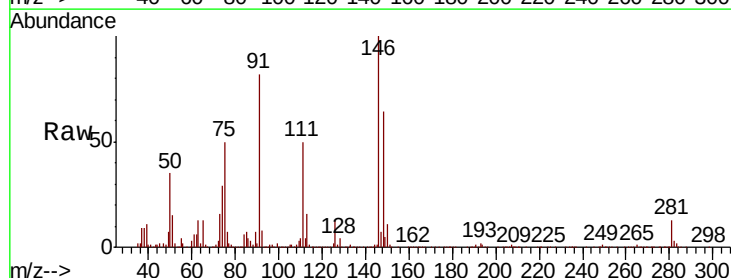
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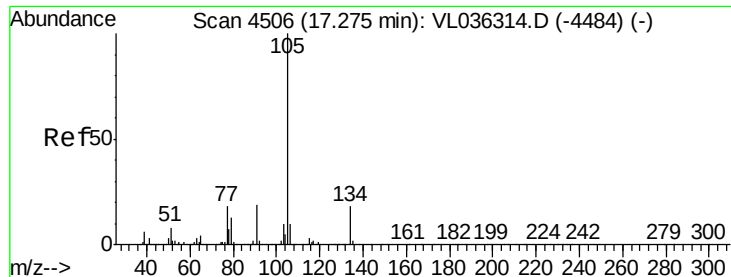
MMDadoda
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#66
Benzyl Chloride
Concen: 15.744 ppbv
RT: 16.96 min Scan# 4409
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion: 91 Resp: 1978994
Ion Ratio Lower Upper
91 100
126 16.4 12.9 19.3
128 5.2 4.2 6.2





#67

sec-Butylbenzene

Concen: 11.289 ppbv

RT: 17.27 min Scan# 4503

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

Tot Ion: 105 Resp: 7527853

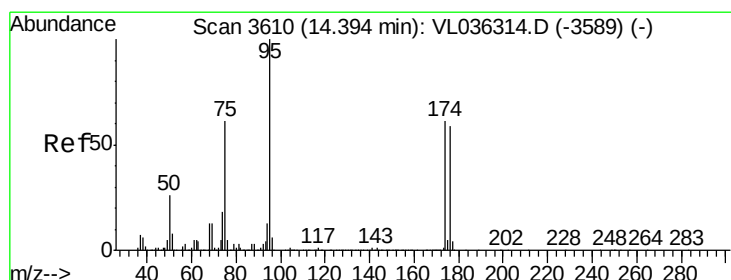
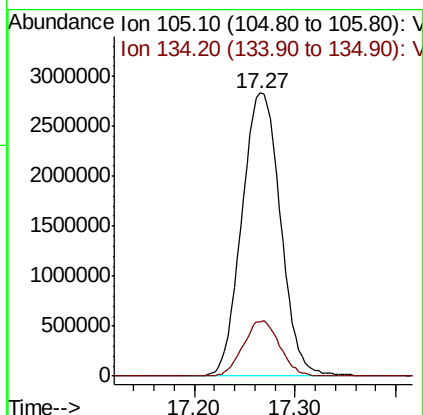
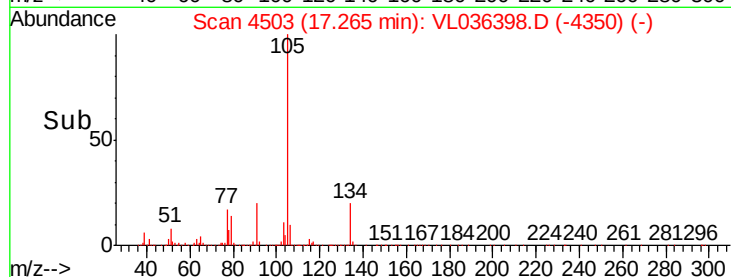
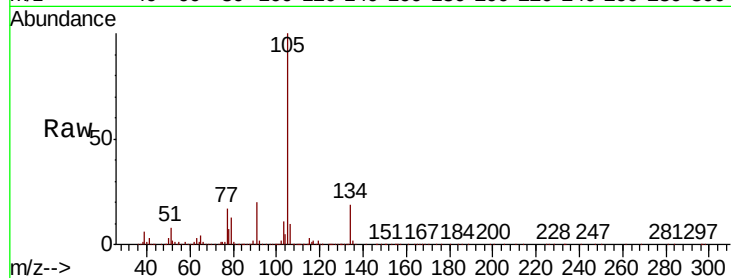
Ion Ratio Lower Upper

105 100

134 18.5 14.2 21.4

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.566 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

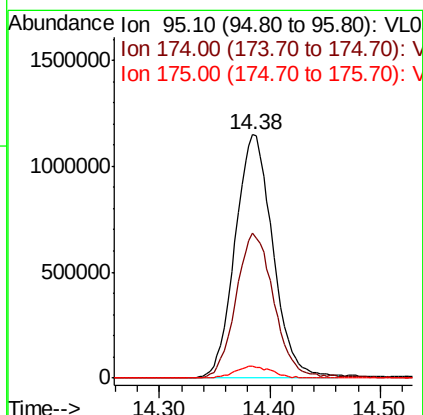
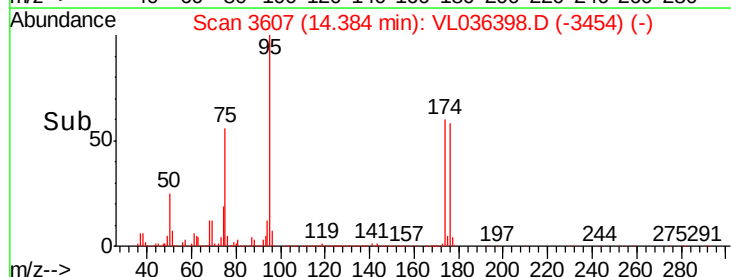
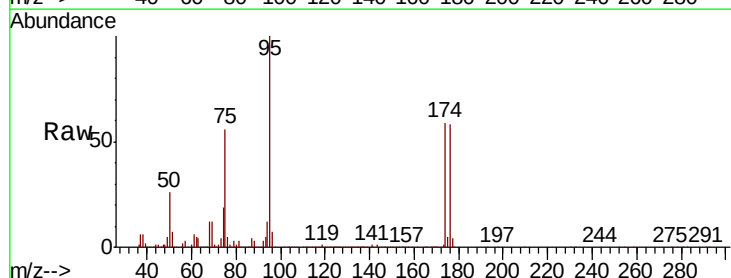
Tgt Ion: 95 Resp: 2725441

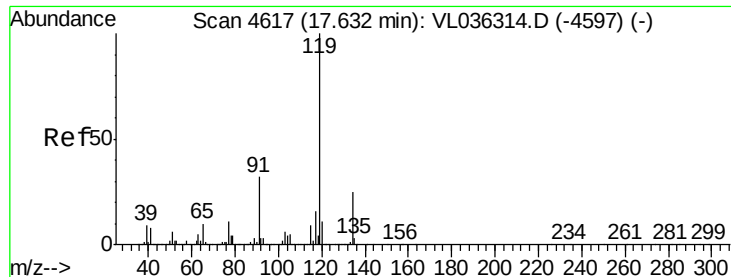
Ion Ratio Lower Upper

95 100

174 60.8 49.8 74.6

175 4.8 3.7 5.5





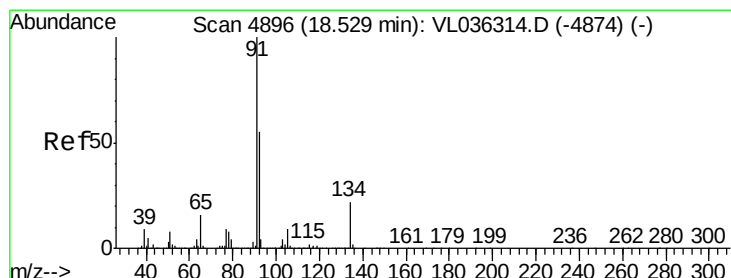
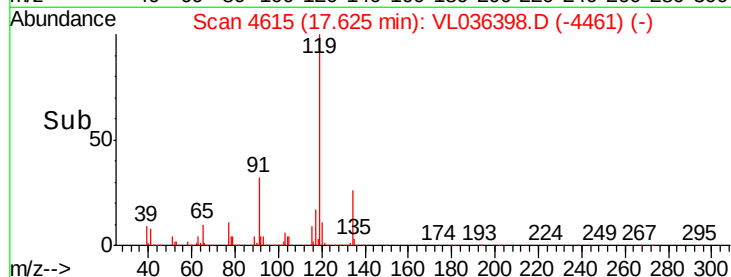
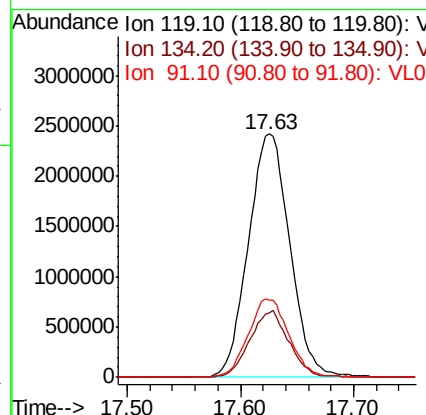
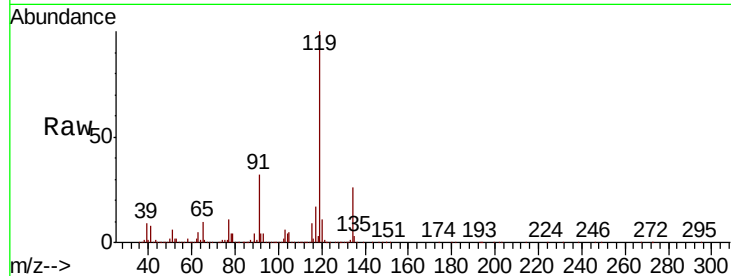
#69
 p-Isopropyltoluene
 Concen: 11.933 ppbv
 RT: 17.63 min Scan# 4615
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.1	30.1
91	31.8	25.8	38.6

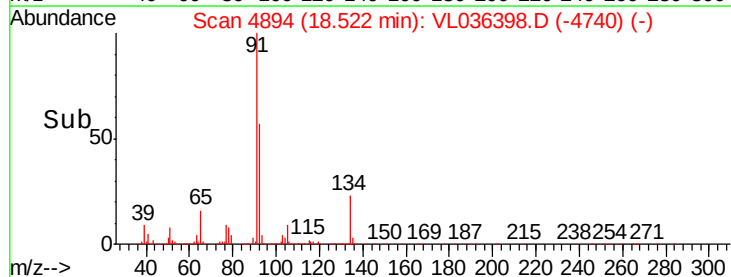
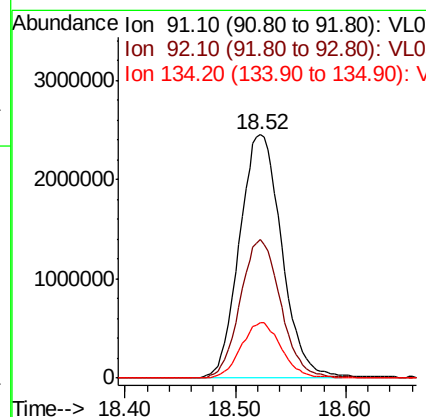
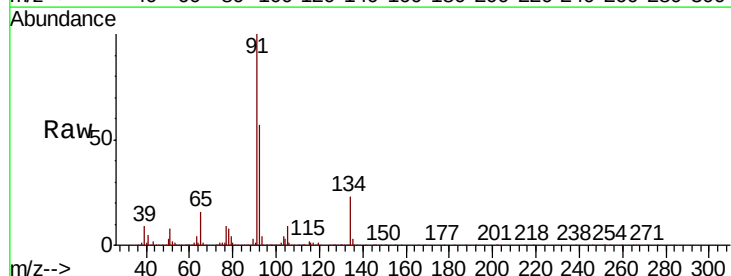
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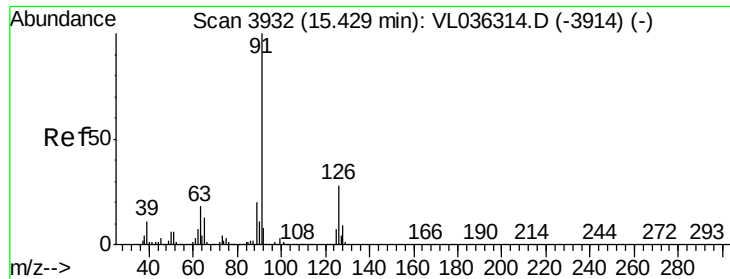
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#70
 n-Butylbenzene
 Concen: 11.740 ppbv
 RT: 18.52 min Scan# 4894
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.0	43.7	65.5
134	22.0	17.4	26.0





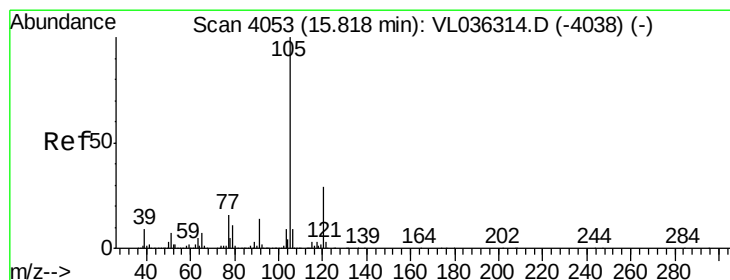
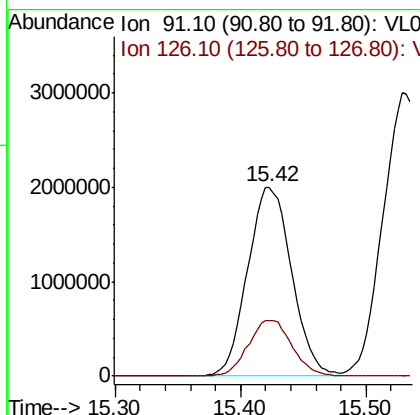
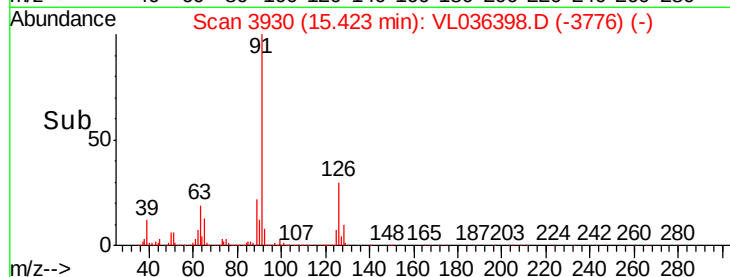
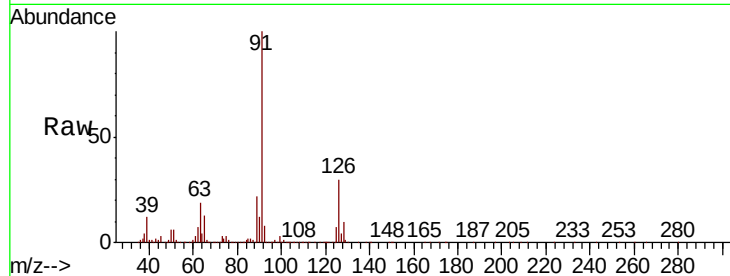
#71
 2-Chlorotoluene
 Concen: 11.804 ppbv
 RT: 15.42 min Scan# 3930
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

Tot Ion: 91 Resp: 4890043
 Ion Ratio Lower Upper
 91 100
 126 29.5 11.5 46.1

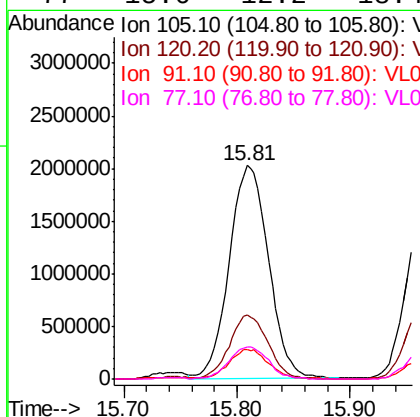
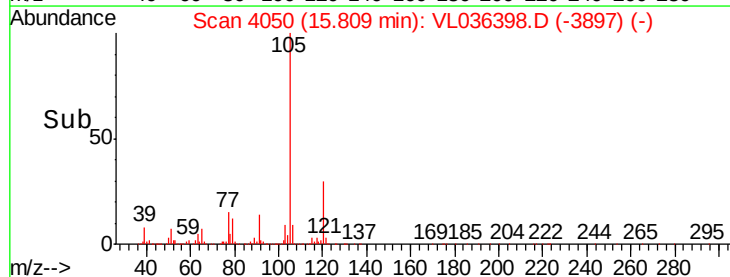
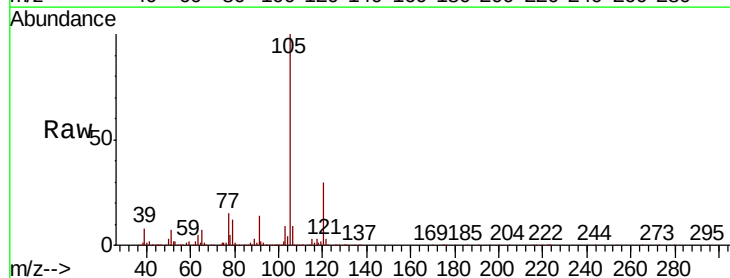
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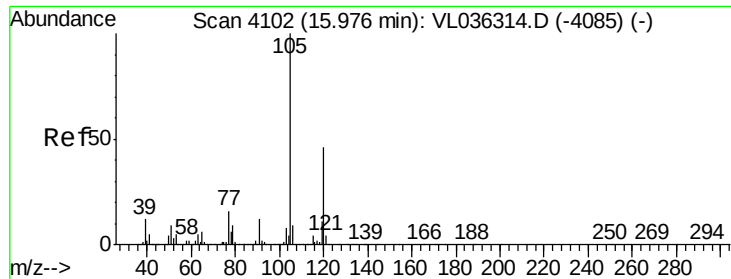
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#72
 4-Ethyltoluene
 Concen: 12.169 ppbv
 RT: 15.81 min Scan# 4050
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion: 105 Resp: 4882733
 Ion Ratio Lower Upper
 105 100
 120 29.4 23.2 34.8
 91 13.7 11.0 16.4
 77 15.6 12.2 18.4





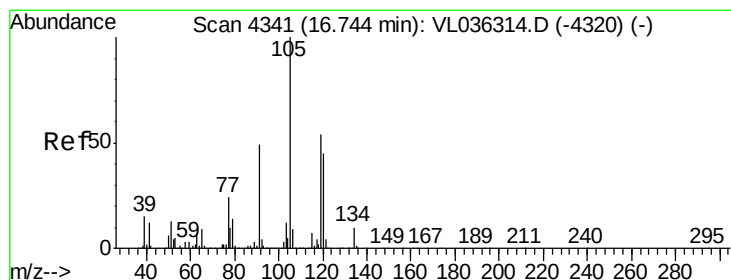
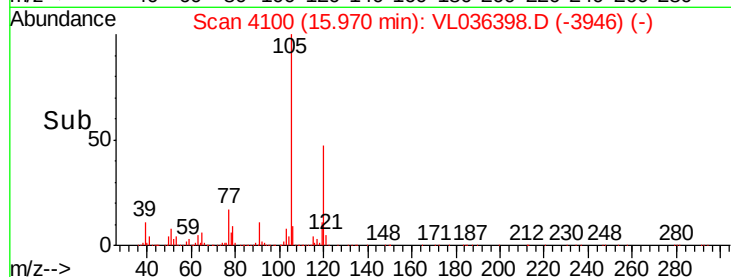
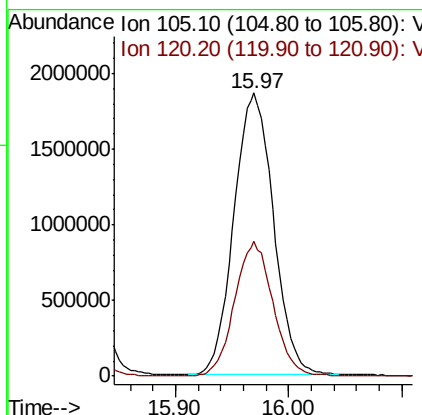
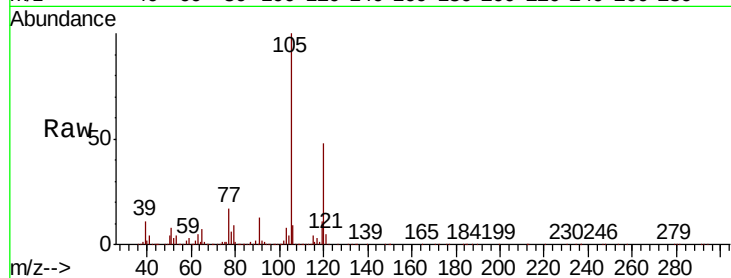
#73
 1,3,5-Trimethylbenzene
 Concen: 11.633 ppbv
 RT: 15.97 min Scan# 4100
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

Tot Ion:105 Resp: 4524570
 Ion Ratio Lower Upper
 105 100
 120 47.6 36.9 55.3

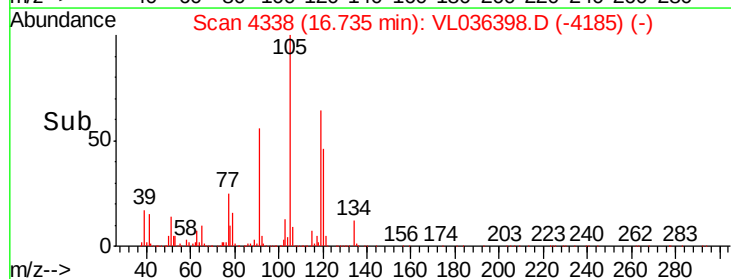
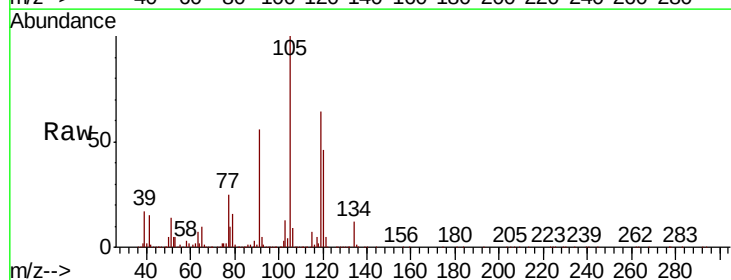
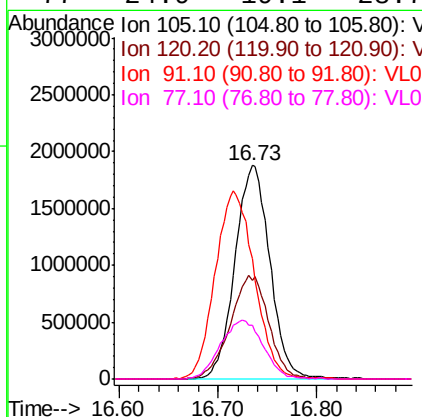
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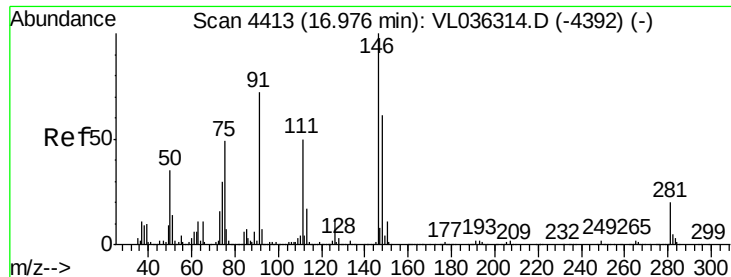
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#74
 1,2,4-Trimethylbenzene
 Concen: 11.606 ppbv
 RT: 16.73 min Scan# 4338
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion:105 Resp: 4608420
 Ion Ratio Lower Upper
 105 100
 120 45.9 35.8 53.6
 91 56.3 39.8 59.6
 77 24.9 19.1 28.7





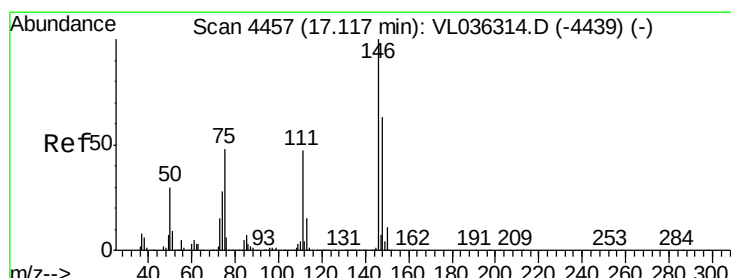
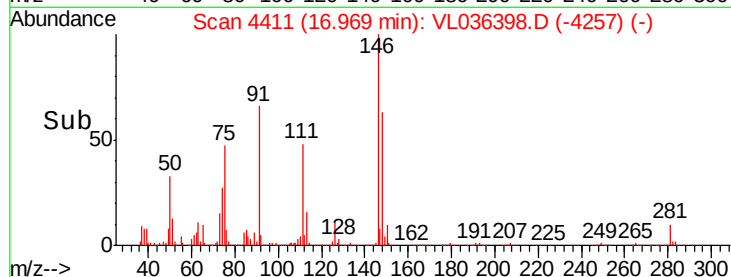
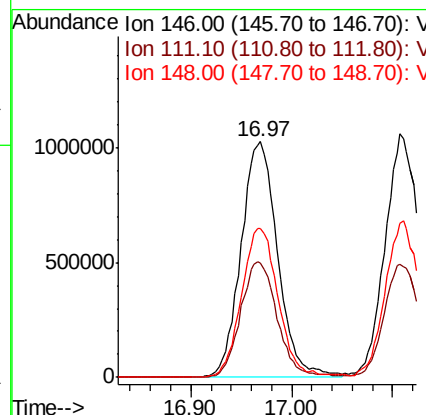
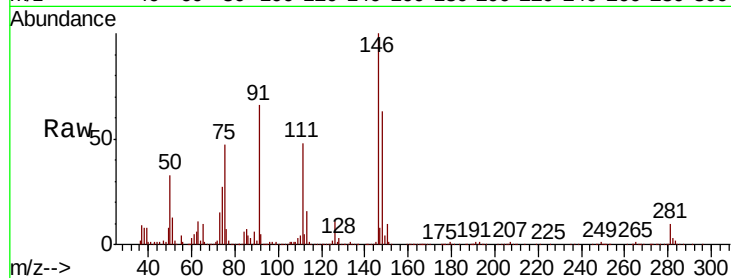
#75
 1,3-Dichlorobenzene
 Concen: 11.973 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.2	24.9	74.6
148	63.7	31.9	95.9

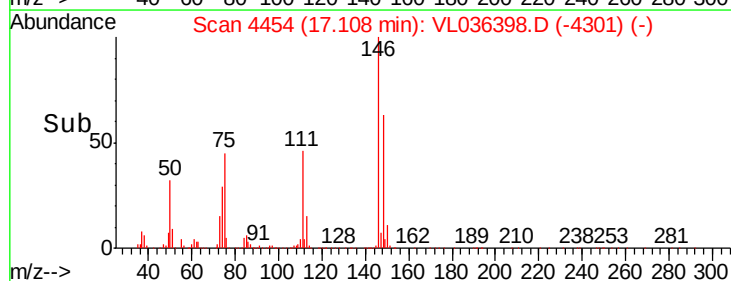
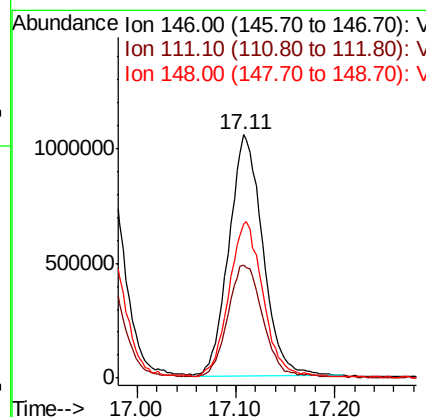
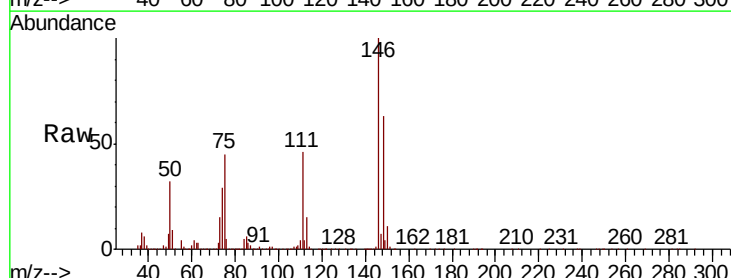
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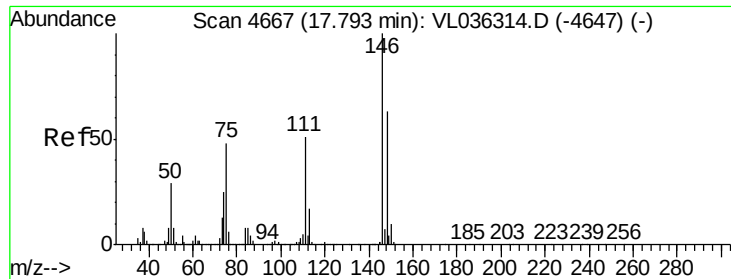
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#76
 1,4-Dichlorobenzene
 Concen: 11.345 ppbv
 RT: 17.11 min Scan# 4454
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.9	23.6	71.0
148	66.2	31.6	95.0





#77

1,2-Dichlorobenzene

Concen: 11.559 ppbv

RT: 17.79 min Scan# 4665

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

Tot Ion:146 Resp: 2471404

Ion Ratio Lower Upper

146 100

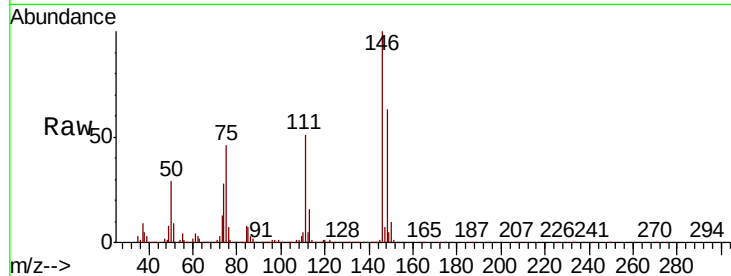
111 50.9 25.9 77.8

148 65.5 32.5 97.4

Manual Integrations
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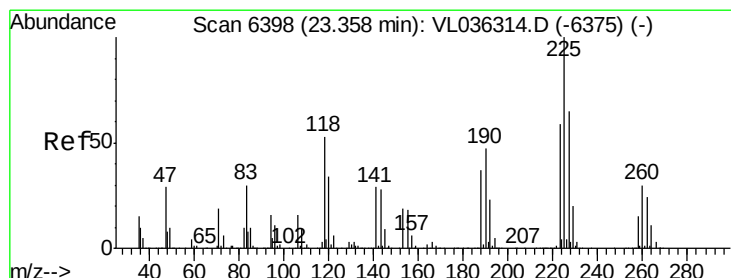
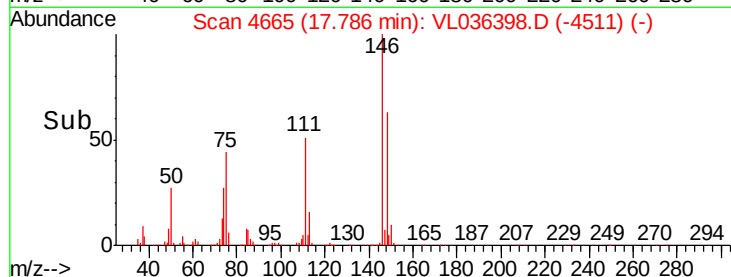
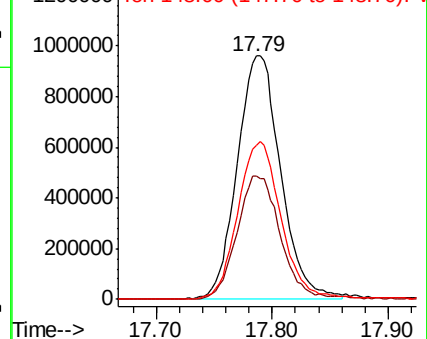


Abundance

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: 9.845 ppbv

RT: 23.35 min Scan# 6396

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

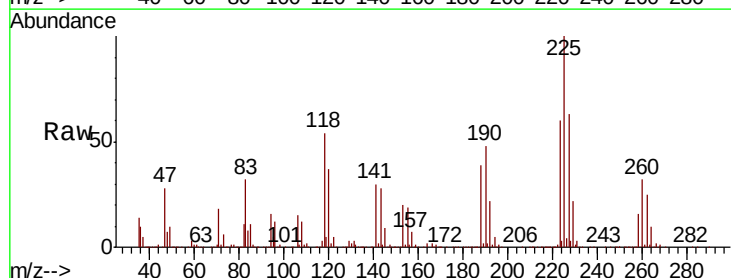
Tgt Ion:225 Resp: 1719617

Ion Ratio Lower Upper

225 100

223 62.9 50.8 76.2

227 64.2 52.2 78.2

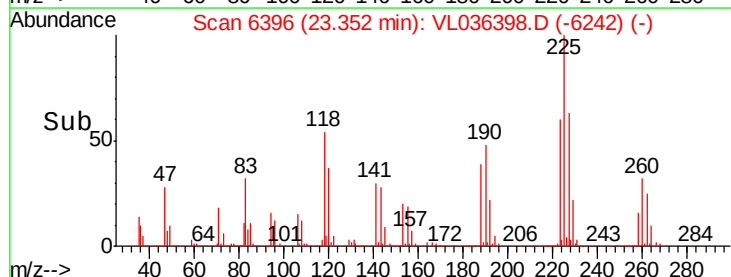
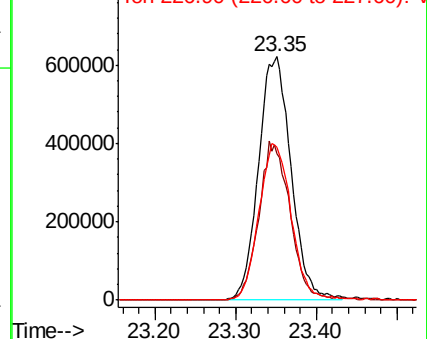


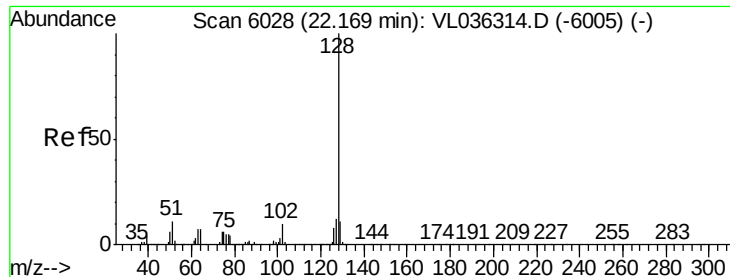
Abundance

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





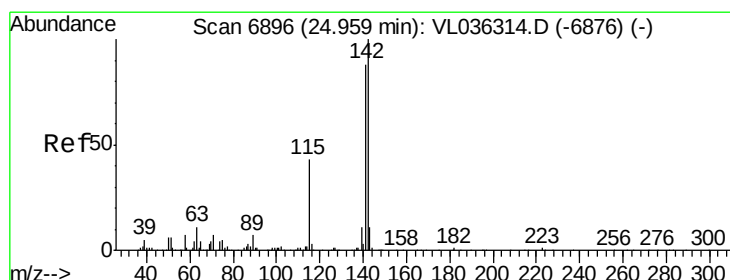
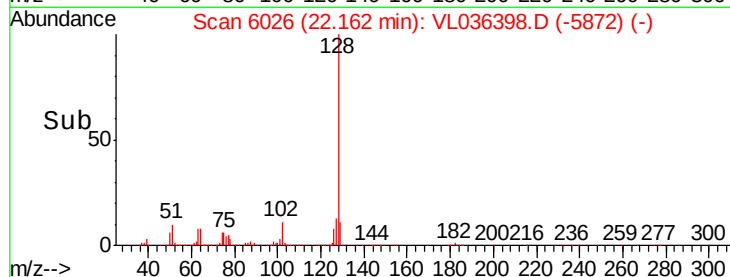
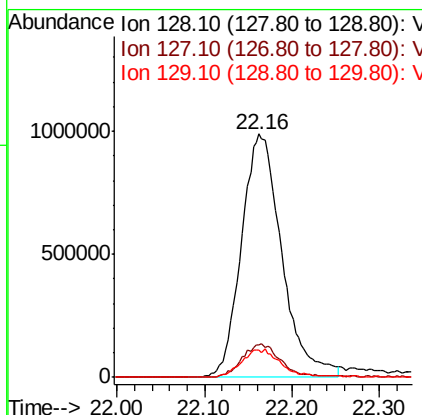
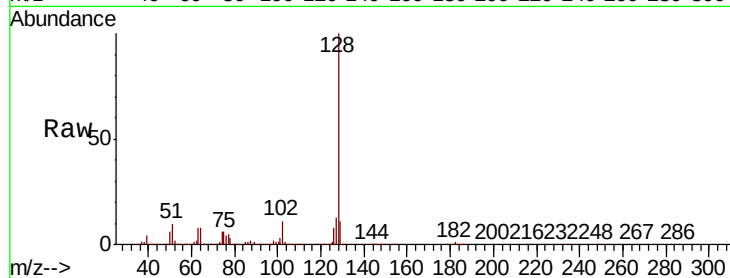
#79
Naphthalene
Concen: 13.439 ppbv
RT: 22.16 min Scan# 6026
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.6	14.4
129	11.0	8.5	12.7

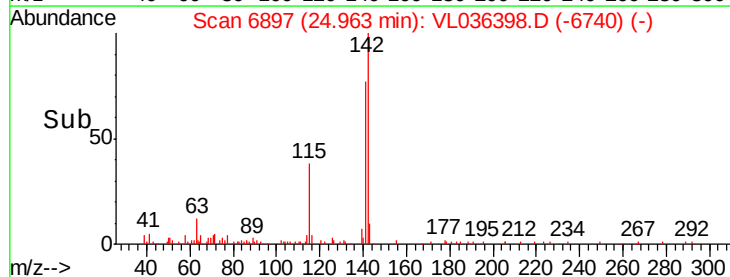
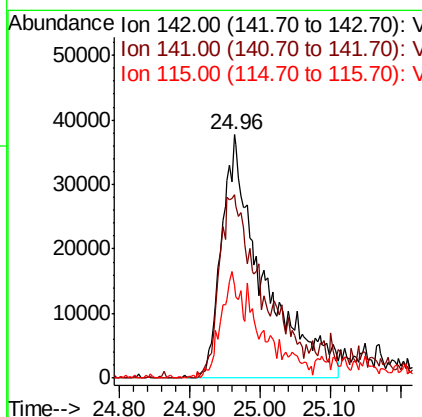
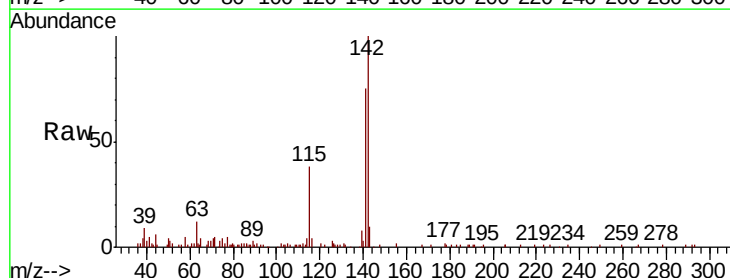
Manual Integrations
APPROVED

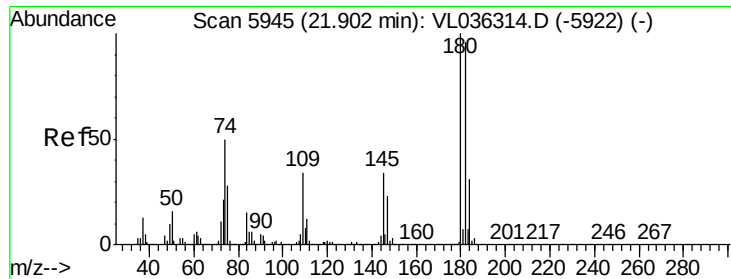
MMDadoda
3/1/2021 10:08:22 AM



#80
Naphthalene, 2-methyl-
Concen: 3.579 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	77.3	64.4	96.6
115	40.1	34.6	51.8





#81
 1,2,4-Trichlorobenzene
 Concen: 11.774 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.6	80.2	120.4
184	32.8	25.0	37.6

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:08:22 AM

