

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022621\
 Data File : VL036396.D
 Acq On : 26 Feb 2021 9:48
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:08:18 AM

Quant Time: Feb 27 03:23:19 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	1505402	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	3479428	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	3458432m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2704245	9.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	2169645	9.657	ppbv	99
3) Chlorodifluoromethane	2.97	51	1937691	10.359	ppbv	100
4) Chloromethane	3.11	50	970852	10.744	ppbv	98
5) Vinyl Chloride	3.23	62	948114	11.267	ppbv	96
6) Bromomethane	3.45	94	562684	11.250	ppbv	98
7) Chloroethane	3.53	64	341436	11.428	ppbv	98
8) Dichlorotetrafluoroethane	3.16	85	2202091	10.777	ppbv	99
9) Propene	2.99	41	901552	12.928	ppbv	99
10) Heptane	8.09	43	2307667	11.228	ppbv	99
11) Trichlorofluoromethane	3.92	101	2346298	10.665	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1512094	11.096	ppbv	99
13) Ethanol	3.58	45	125147	9.554	ppbv	98
14) Bromoethene	3.71	108	625729	10.971	ppbv	99
15) Acetone	3.83	43	1816458	9.871	ppbv	99
16) 1,3-Butadiene	3.30	39	936044	10.638	ppbv	99
17) tert-Butyl alcohol	4.27	59	1499780	10.499	ppbv	100
18) 1,1-Dichloroethene	4.26	96	653213	10.547	ppbv	97
19) Isopropyl Alcohol	3.94	45	965722	9.473	ppbv #	97
20) Methylene Chloride	4.32	84	562027	9.467	ppbv	97
21) Allyl Chloride	4.38	41	1119671	10.929	ppbv	97
22) trans-1,2-Dichloroethene	4.85	96	632358	11.241	ppbv	95
23) Vinyl Acetate	5.05	43	2336796	10.800	ppbv	98
24) 1,1-Dichloroethane	4.98	63	1745902	10.911	ppbv	99
25) Ethyl Acetate	5.65	43	3848872	10.834	ppbv	99
26) Hexane	5.66	57	1588575	10.883	ppbv	98
27) Carbon Disulfide	4.52	76	1643966	12.255	ppbv	97
28) Methyl tert-Butyl Ether	5.01	73	2116316	11.099	ppbv	100
29) Chloroform	5.73	83	2464186	10.479	ppbv	94
30) Cyclohexane	7.10	84	1292035	10.644	ppbv	98
31) cis-1,2-Dichloroethene	5.52	61	1566907	10.849	ppbv	96
32) 1,1,1-Trichloroethane	6.48	97	2424762	11.029	ppbv	99
34) 2-Butanone	5.22	43	2409920	10.424	ppbv	100
35) Carbon Tetrachloride	6.99	117	2481793	10.643	ppbv	98
36) Benzene	6.86	78	3256106	11.017	ppbv	97
37) 1,2-Dichloroethane	6.28	62	1938496	10.608	ppbv	100
38) Trichloroethene	7.80	130	1131496	10.686	ppbv	95
39) 1,2-Dichloropropane	7.58	63	1307331	10.889	ppbv	99
40) 1,4-Dioxane	7.80	88	401524	9.652	ppbv #	23
41) Tetrahydrofuran	6.02	42	1436860	11.138	ppbv	99
42) Bromodichloromethane	7.76	83	2659330	10.866	ppbv	96
43) Methyl Methacrylate	7.99	69	1428350	11.459	ppbv	99

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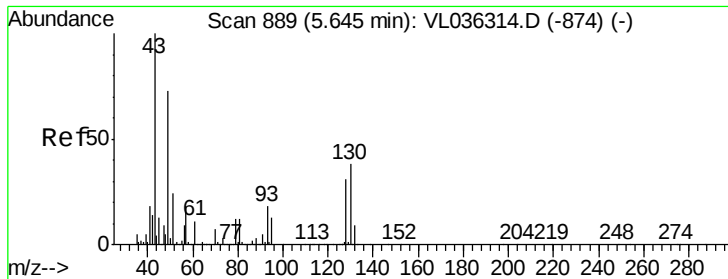
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	5552151	10.331	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1516422	12.611	ppbv	97
46) cis-1,3-Dichloropropene	8.67	75	1859922	12.177	ppbv	96
47) 1,1,2-Trichloroethane	9.45	97	1303691	10.610	ppbv	99
48) Dibromochloromethane	10.27	129	2162967	11.797	ppbv	99
49) Bromoform	13.01	173	1800167	12.145	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	3783776	11.025	ppbv	99
51) 2-Hexanone	10.10	43	3077030	11.800	ppbv #	99
52) Tetrachloroethene	11.19	164	1074872	9.934	ppbv	98
53) Toluene	9.77	91	3651143	11.405	ppbv	100
54) 1,2-Dibromoethane	10.58	107	1934526	10.895	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1603523	10.080	ppbv #	63
57) Chlorobenzene	12.11	112	2632354	9.851	ppbv	97
58) Ethyl Benzene	12.68	91	4906727	10.361	ppbv	97
59) m/p-Xylene	12.97	91	8288277m	19.925	ppbv	
60) o-Xylene	13.66	91	3922031	9.861	ppbv	100
61) Styrene	13.49	104	2852207	11.571	ppbv	98
62) Isopropylbenzene	14.64	105	5831494	9.782	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.64	83	2880772	9.180	ppbv	99
64) n-propylbenzene	15.53	120	1525475	10.397	ppbv	98
65) tert-Butylbenzene	16.72	119	4985827	9.775	ppbv	98
66) Benzyl Chloride	16.96	91	1845871	13.312	ppbv	99
67) sec-Butylbenzene	17.26	105	7121812	9.682	ppbv	99
69) p-Isopropyltoluene	17.62	119	5827231	10.251	ppbv	99
70) n-Butylbenzene	18.52	91	6139224	10.070	ppbv	100
71) 2-Chlorotoluene	15.42	91	4611588	10.091	ppbv	98
72) 4-Ethyltoluene	15.81	105	4472707	10.105	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	4309908	10.045	ppbv	100
74) 1,2,4-Trimethylbenzene	16.73	105	4374122	9.986	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	2400556	10.097	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2380180	9.641	ppbv	97
77) 1,2-Dichlorobenzene	17.79	146	2349282	9.961	ppbv	99
78) Hexachloro-1,3-Butadiene	23.34	225	1655011	8.589	ppbv	99
79) Naphthalene	22.16	128	3144032	12.109	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	746147	15.520	ppbv	98
81) 1,2,4-Trichlorobenzene	21.89	180	1625276	10.260	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

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Instrument :

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Tot Ion: 49 Resp: 1505402

Ion Ratio Lower Upper

49 100

128 42.4 20.8 62.5

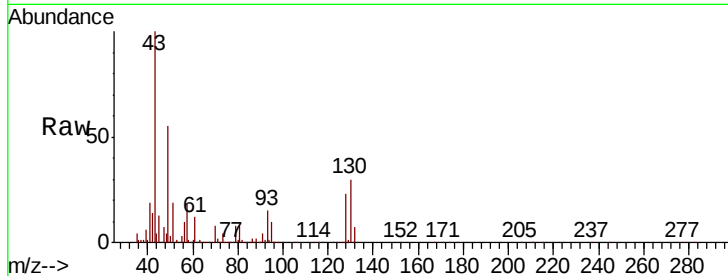
130 54.8 26.7 80.1

Manual Integrations

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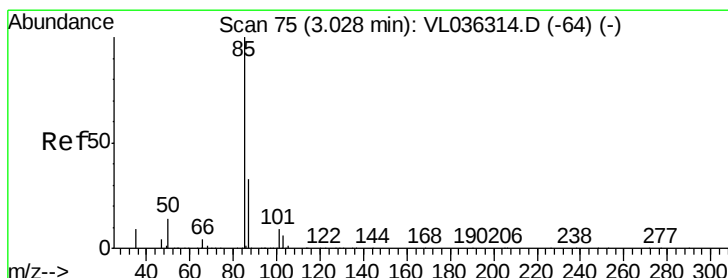
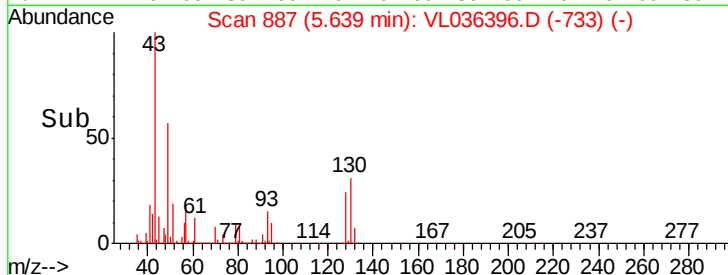
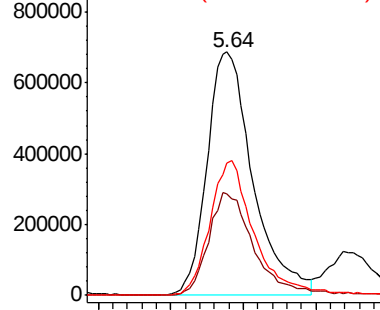
3/1/2021 10:08:18 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.657 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL036396.D

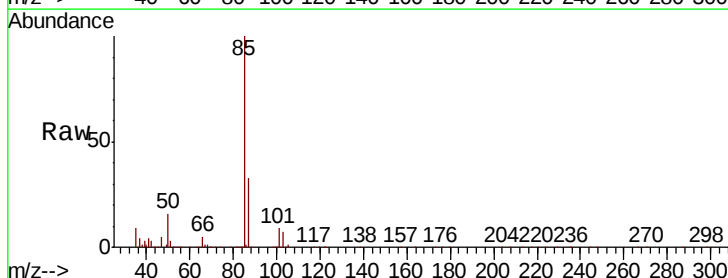
Acq: 26 Feb 2021 9:48

Tgt Ion: 85 Resp: 2169645

Ion Ratio Lower Upper

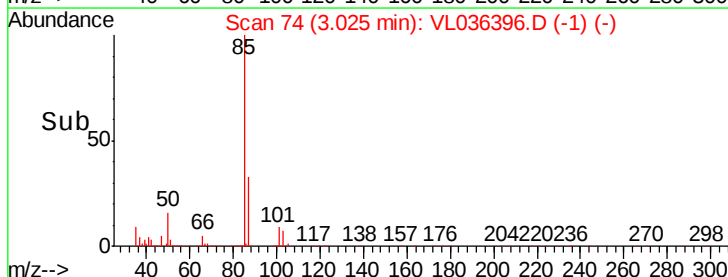
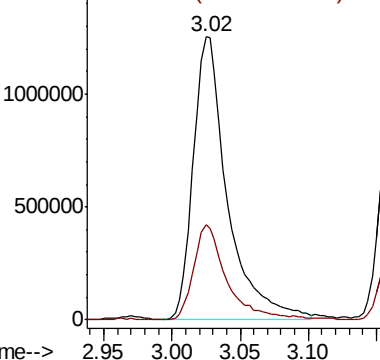
85 100

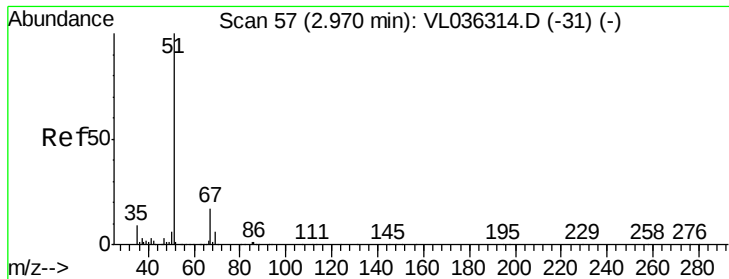
87 33.4 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





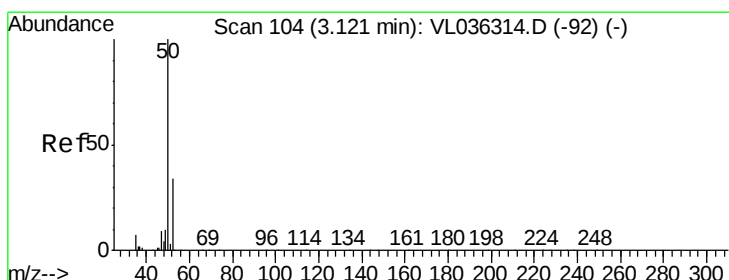
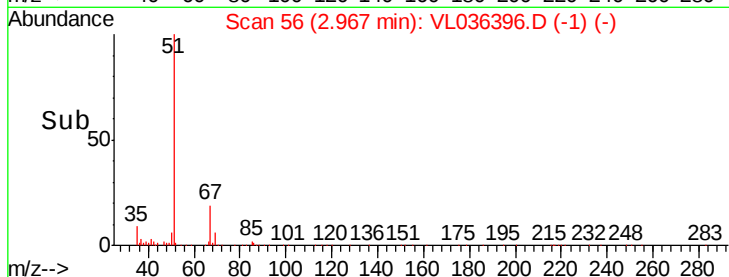
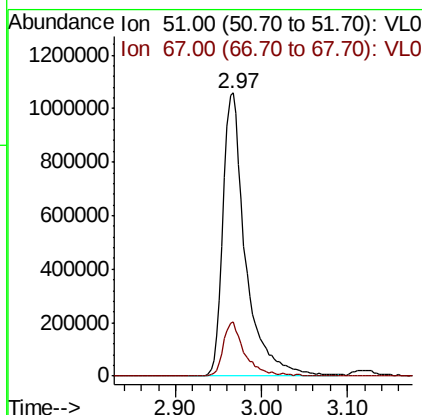
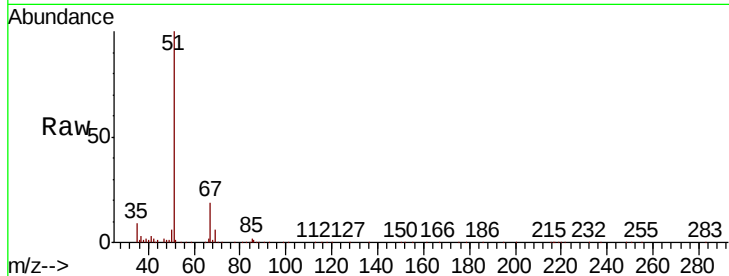
#3
Chlorodifluoromethane
Concen: 10.359 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.00 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 51 Resp: 1937691
Ion Ratio Lower Upper
51 100
67 18.4 14.7 22.1

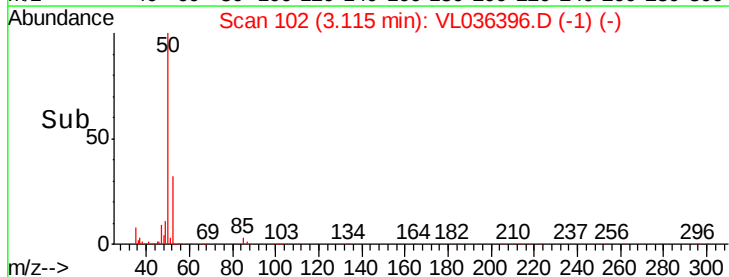
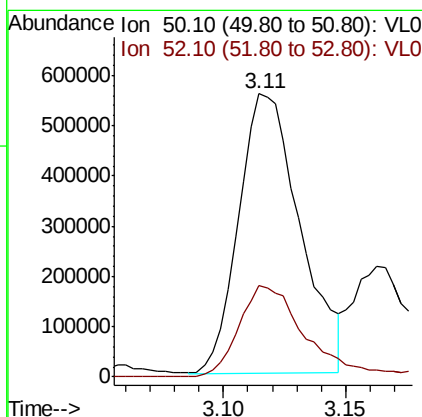
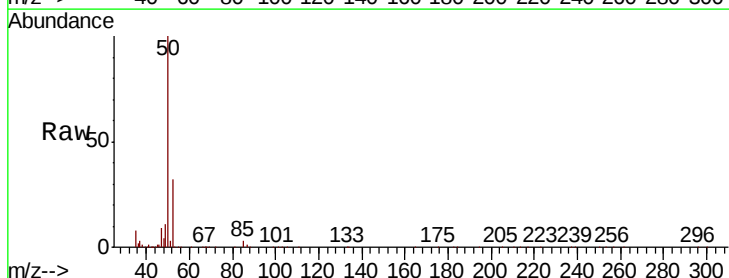
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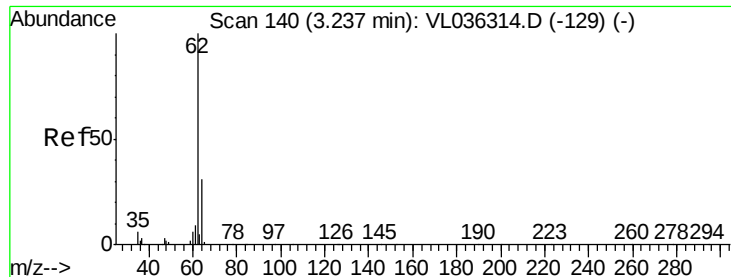
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#4
Chloromethane
Concen: 10.744 ppbv
RT: 3.11 min Scan# 102
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion: 50 Resp: 970852
Ion Ratio Lower Upper
50 100
52 32.8 27.0 40.4





#5

Vinyl Chloride

Concen: 11.267 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.00 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 948114

Ion Ratio Lower Upper

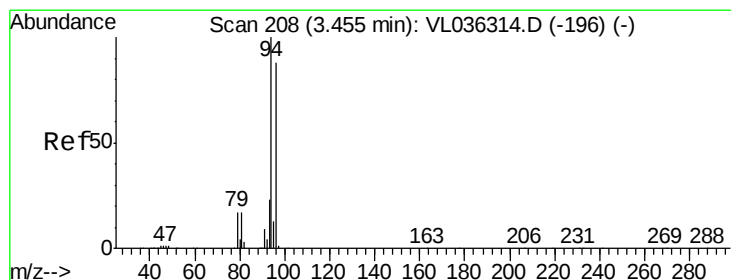
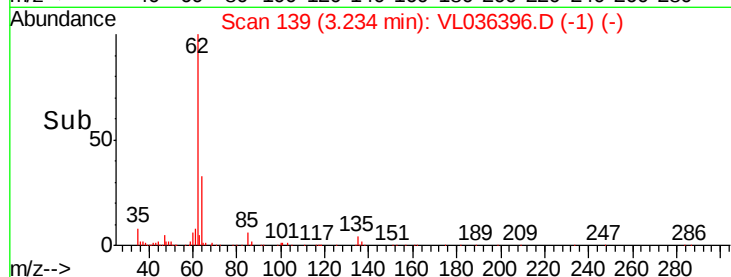
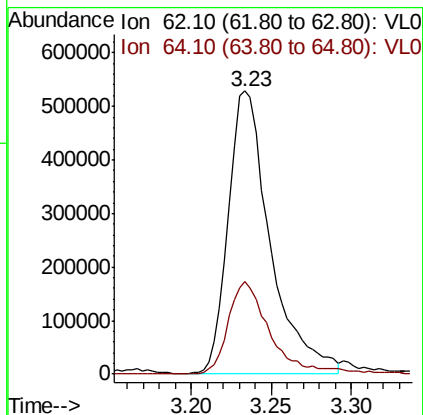
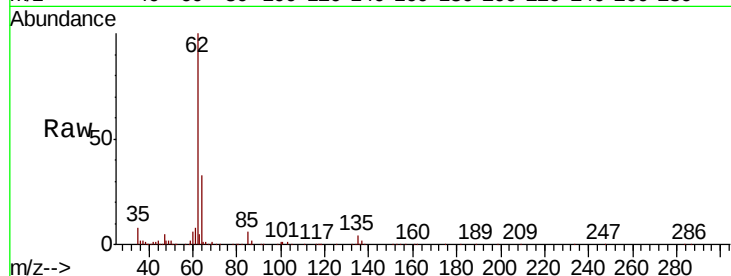
62 100

64 32.6 24.4 36.6

Manual Integrations
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#6

Bromomethane

Concen: 11.250 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.01 min

Lab File: VL036396.D

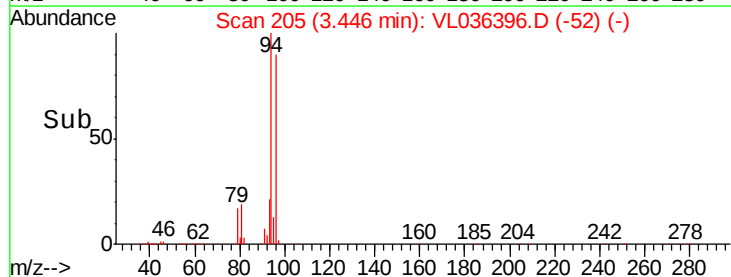
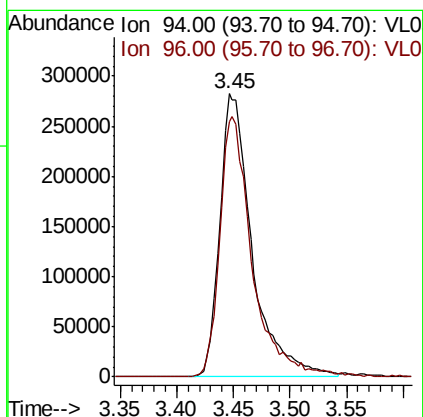
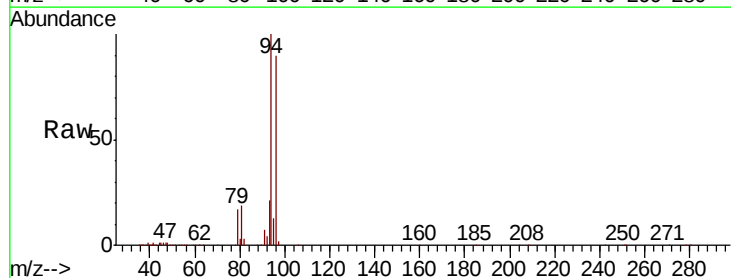
Acq: 26 Feb 2021 9:48

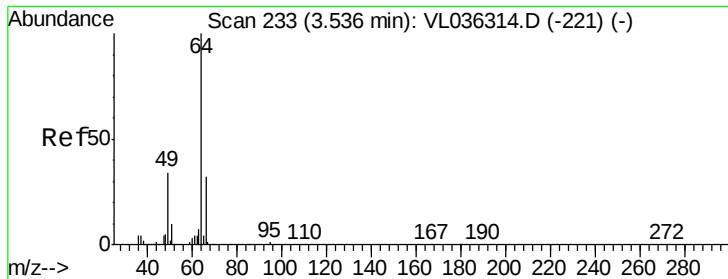
Tgt Ion: 94 Resp: 562684

Ion Ratio Lower Upper

94 100

96 90.0 70.8 106.2





#7

Chloroethane

Concen: 11.428 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 341436

Ion Ratio Lower Upper

64 100

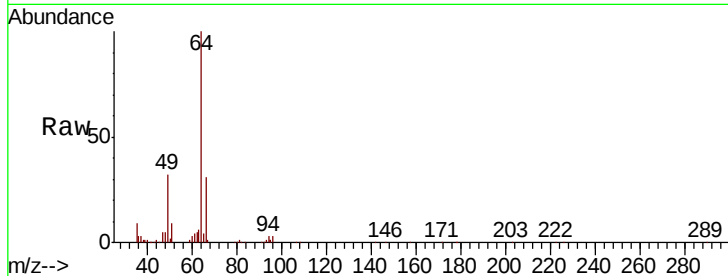
66 30.9 25.6 38.4

Manual Integrations

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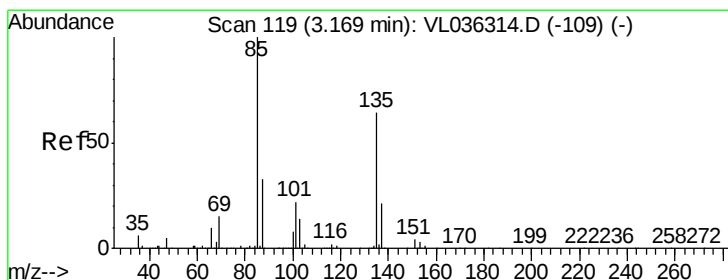
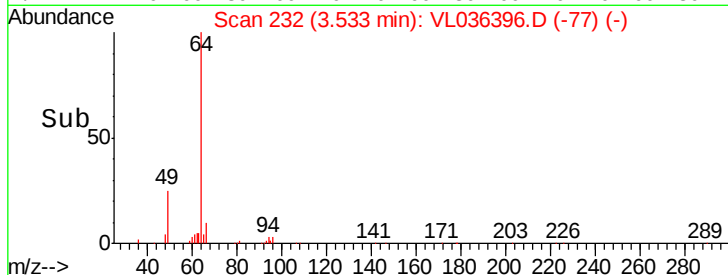
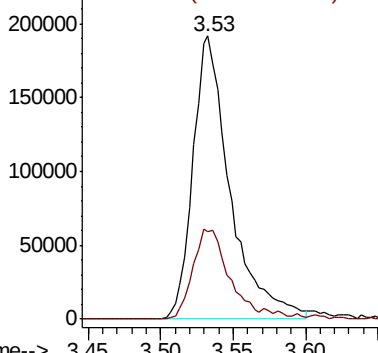
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.777 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL036396.D

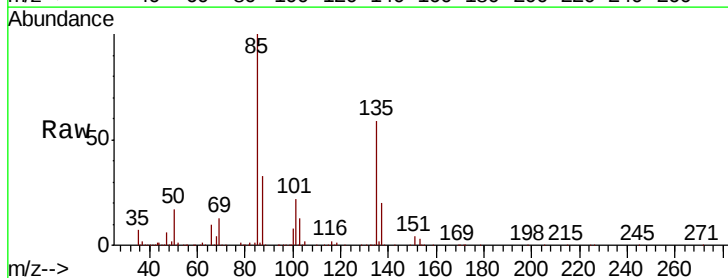
Acq: 26 Feb 2021 9:48

Tgt Ion: 85 Resp: 2202091

Ion Ratio Lower Upper

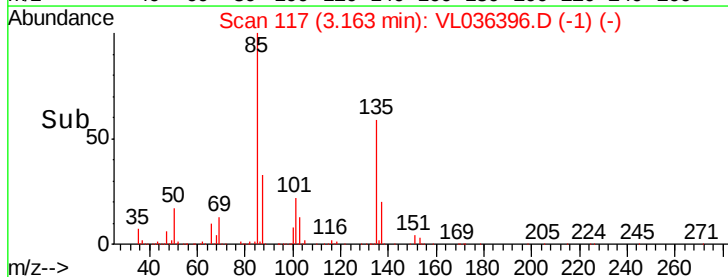
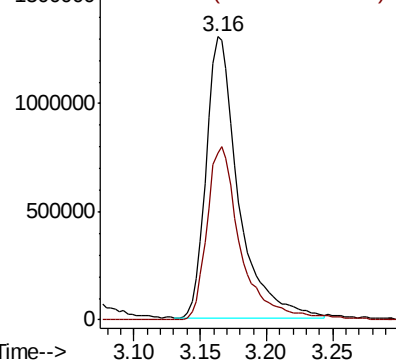
85 100

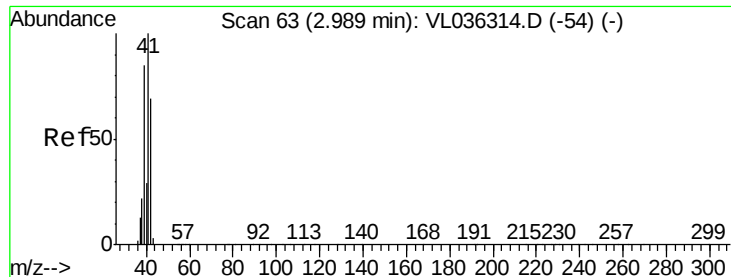
135 64.9 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 12.928 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.00 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 901552

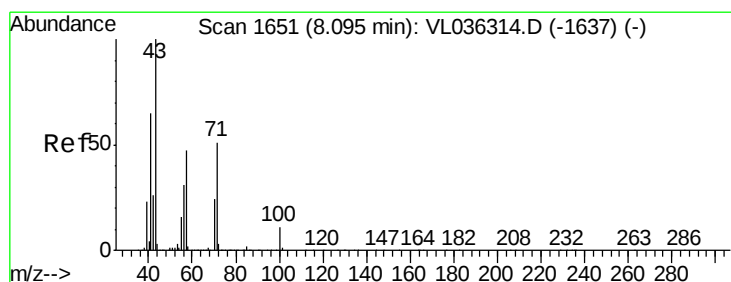
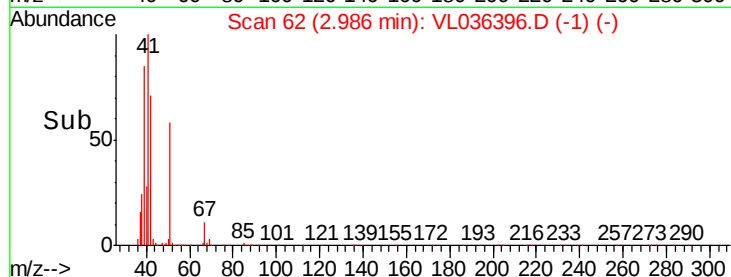
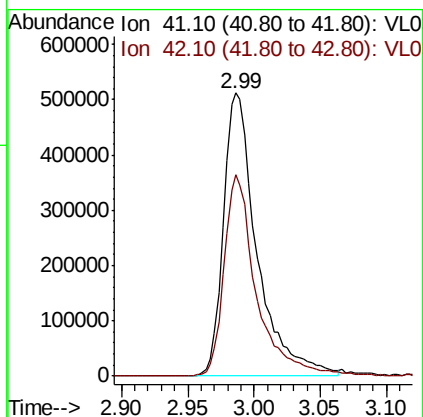
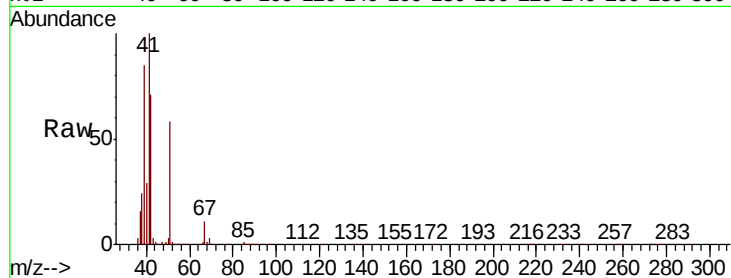
Ion Ratio Lower Upper

41 100

42 69.3 56.2 84.2

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#10

Heptane

Concen: 11.228 ppbv

RT: 8.09 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VL036396.D

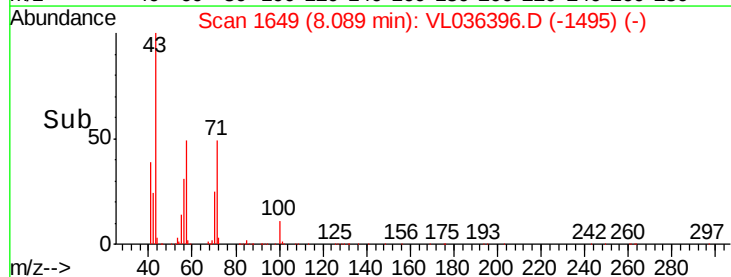
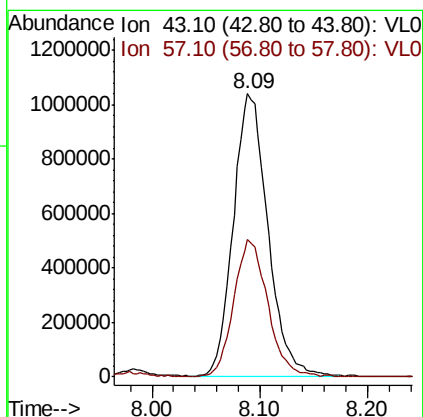
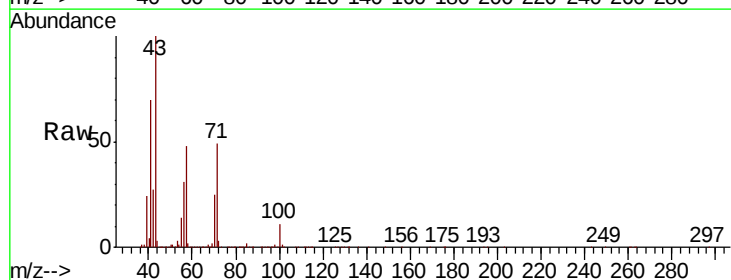
Acq: 26 Feb 2021 9:48

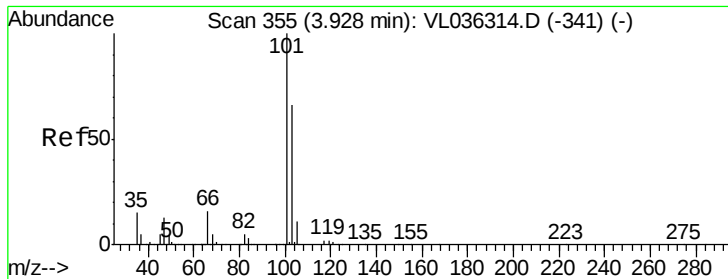
Tgt Ion: 43 Resp: 2307667

Ion Ratio Lower Upper

43 100

57 48.3 39.4 59.2





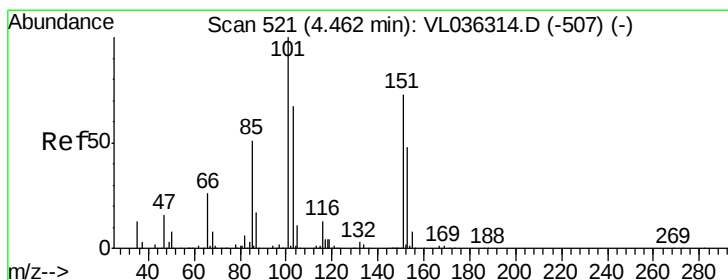
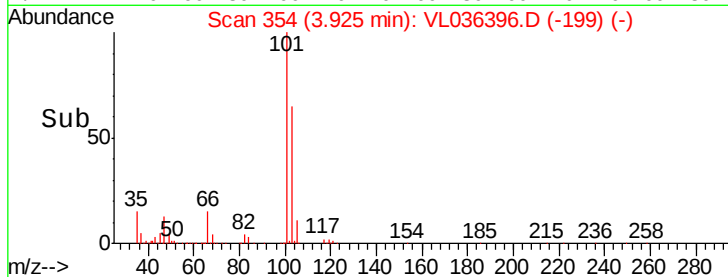
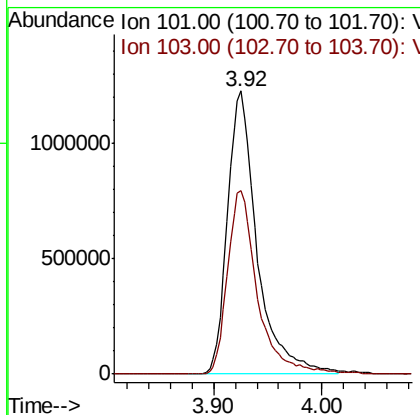
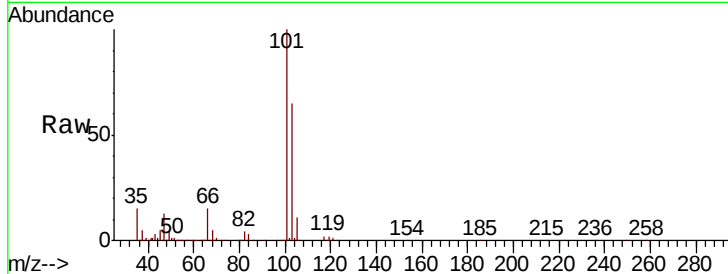
#11
 Trichlorofluoromethane
 Concen: 10.665 ppbv
 RT: 3.92 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2346298
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.9 79.3

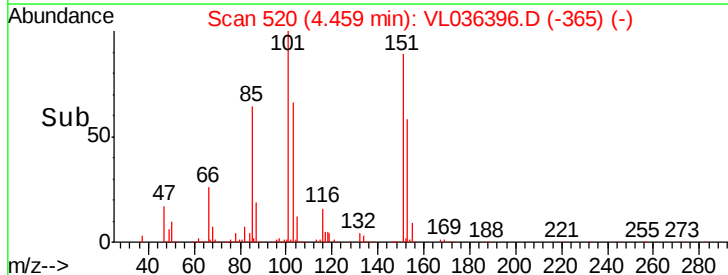
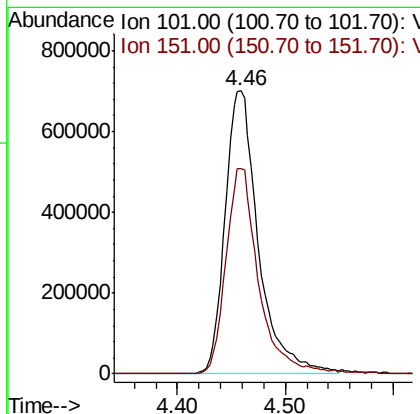
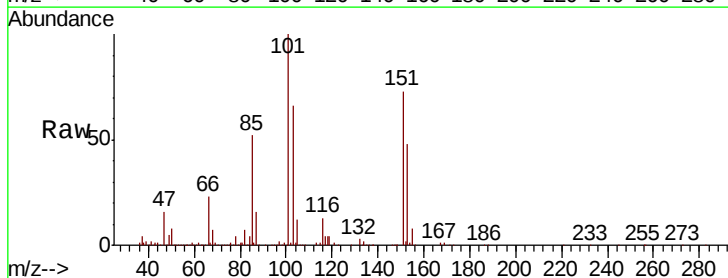
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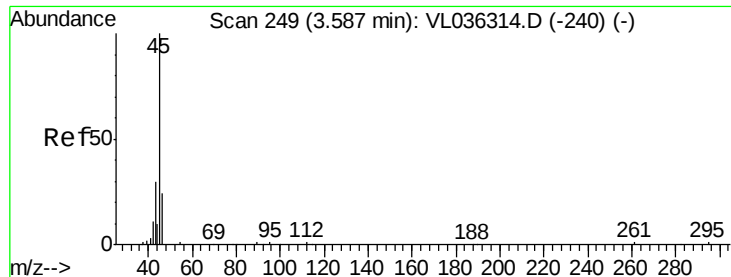
MMDadoda
 3/1/2021 10:08:18 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.096 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Tgt Ion:101 Resp: 1512094
 Ion Ratio Lower Upper
 101 100
 151 71.7 58.2 87.4





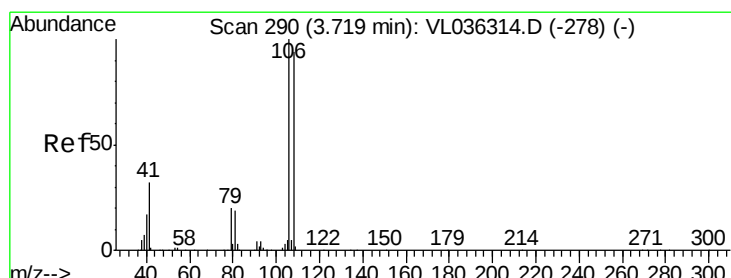
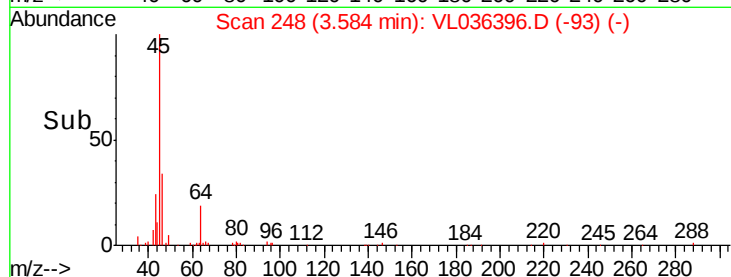
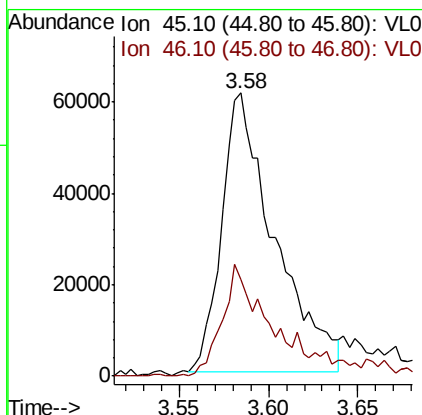
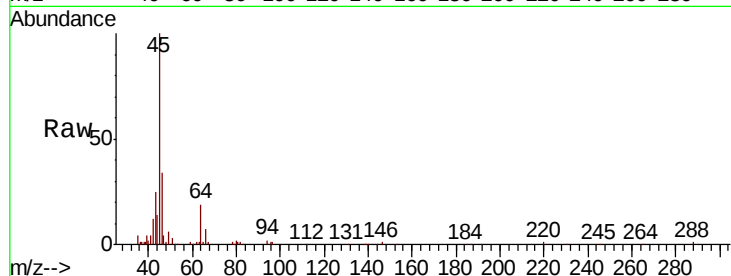
#13
Ethanol
Concen: 9.554 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.00 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	42.6	17.7	70.7

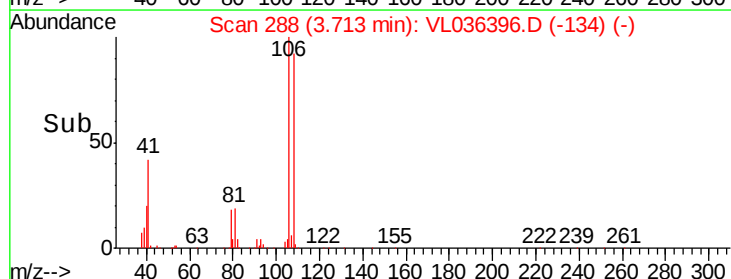
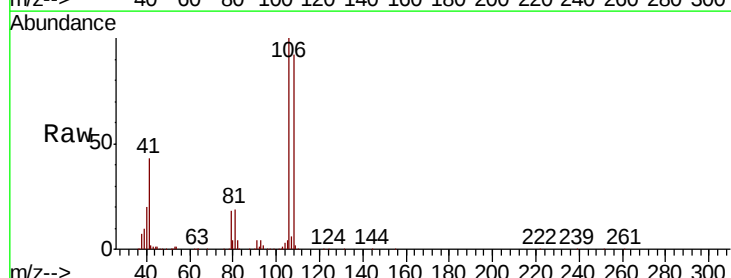
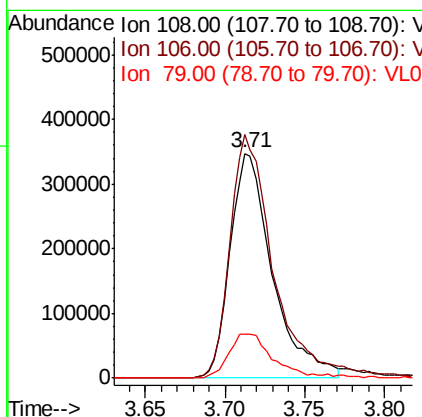
Manual Integrations
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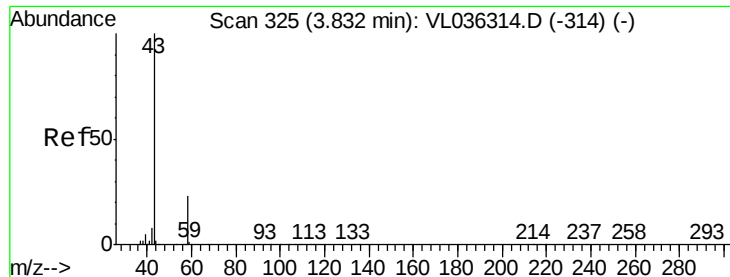
MMDadoda
3/1/2021 10:08:18 AM



#14
Bromoethene
Concen: 10.971 ppbv
RT: 3.71 min Scan# 288
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion	Ratio	Lower	Upper
108	100		
106	113.5	89.8	134.8
79	21.7	17.1	25.7





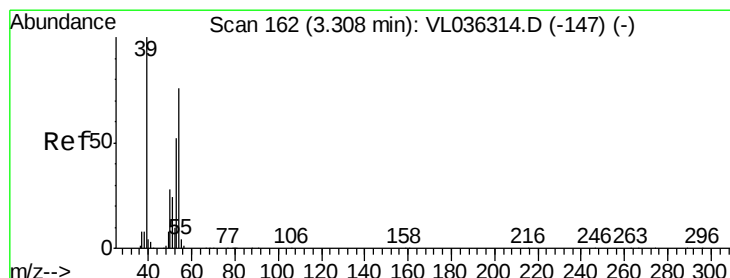
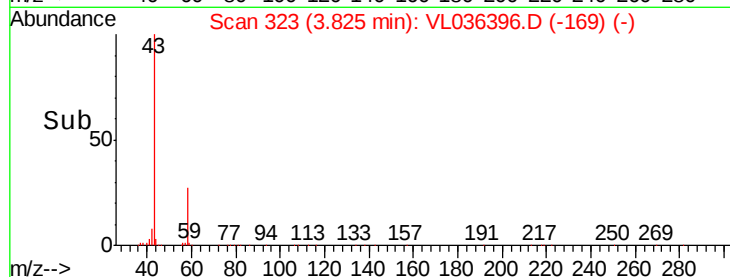
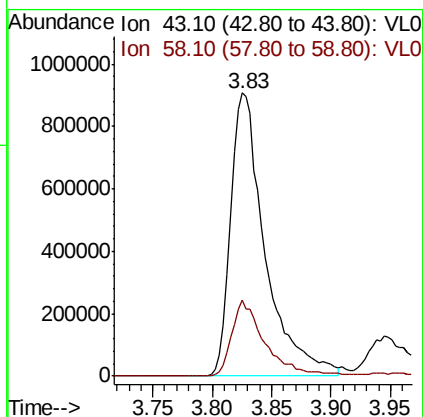
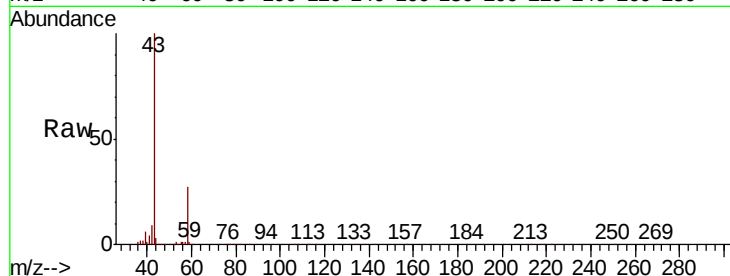
#15
Acetone
Concen: 9.871 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1816458
Ion Ratio Lower Upper
43 100
58 26.1 20.3 30.5

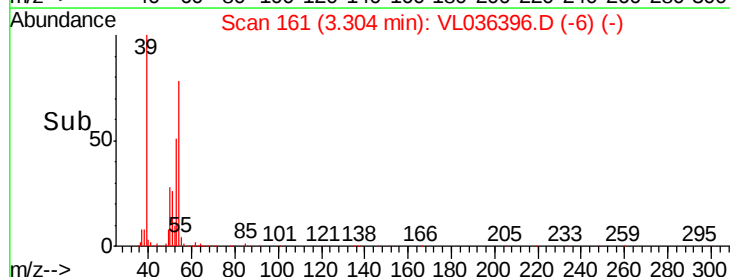
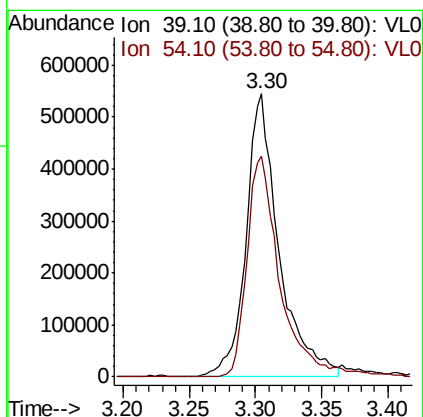
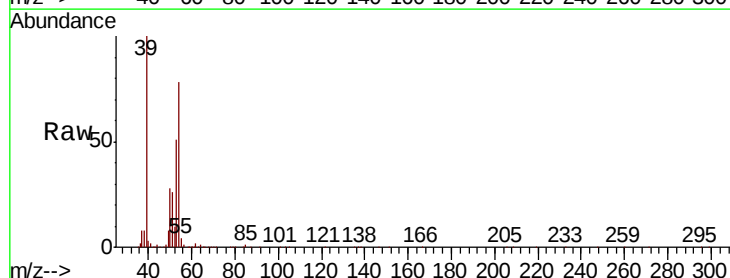
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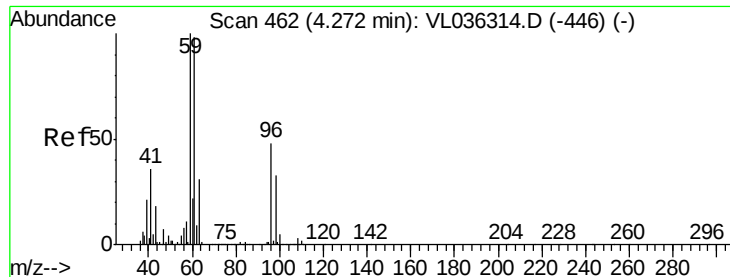
MMDadoda
3/1/2021 10:08:18 AM



#16
1,3-Butadiene
Concen: 10.638 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.00 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion: 39 Resp: 936044
Ion Ratio Lower Upper
39 100
54 79.8 64.4 96.6





#17

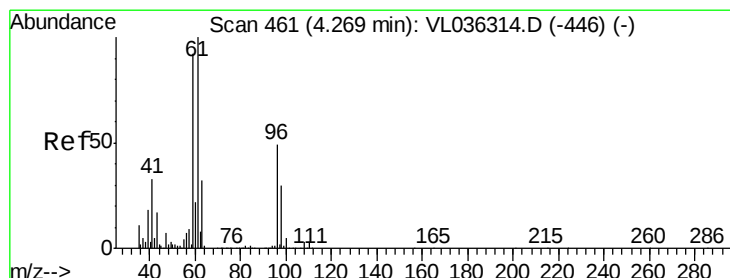
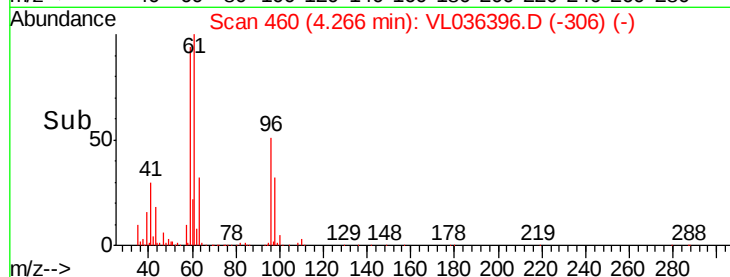
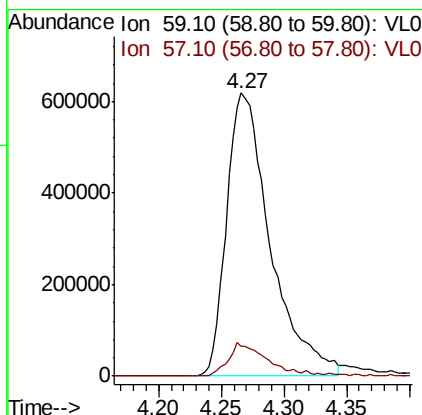
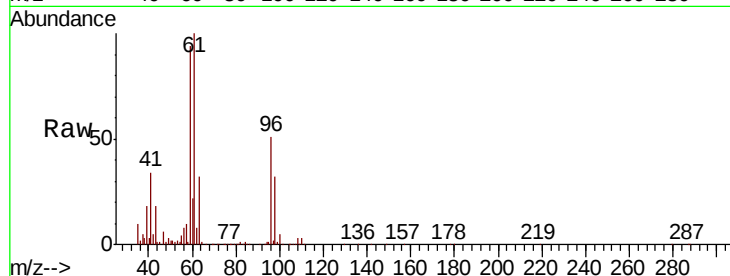
tert-Butyl alcohol
 Concen: 10.499 ppbv
 RT: 4.27 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 59 Resp: 1499780
 Ion Ratio Lower Upper
 59 100
 57 11.3 9.0 13.4

Manual Integrations
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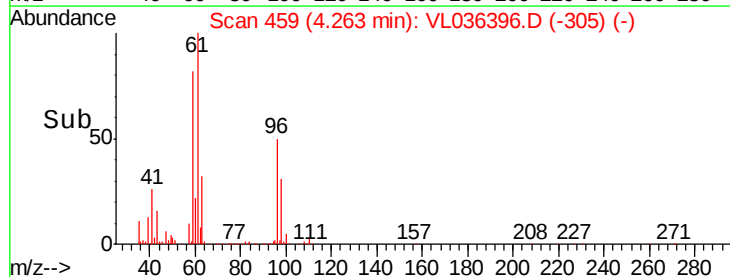
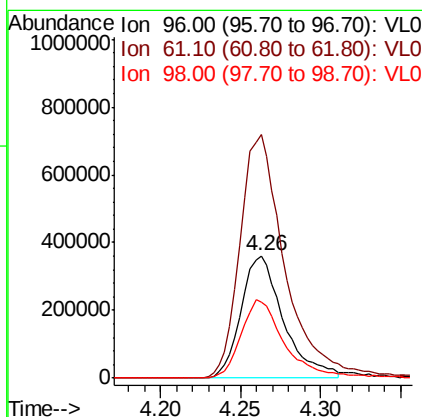
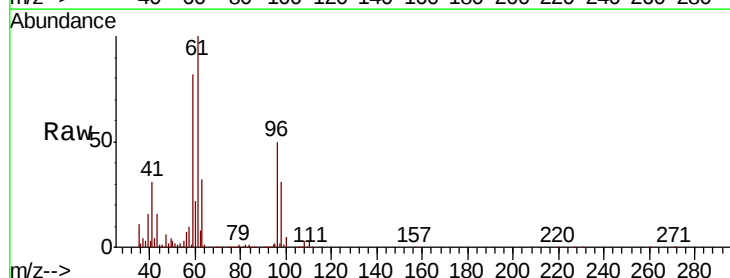
MMDadoda
 3/1/2021 10:08:18 AM

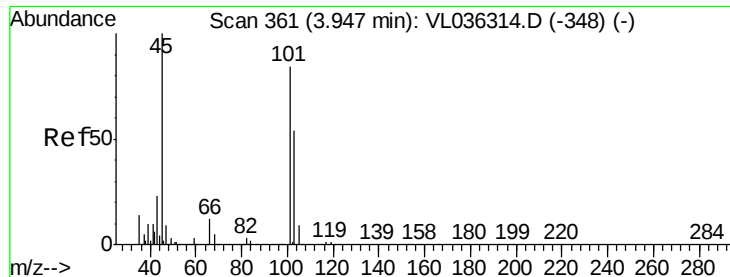


#18

1,1-Dichloroethene
 Concen: 10.547 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Tgt Ion: 96 Resp: 653213
 Ion Ratio Lower Upper
 96 100
 61 198.5 162.5 243.7
 98 61.9 48.5 72.7





#19

Isopropyl Alcohol

Concen: 9.473 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 965722

Ion Ratio Lower Upper

45 100

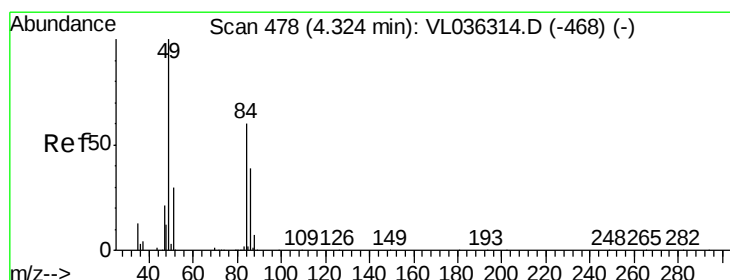
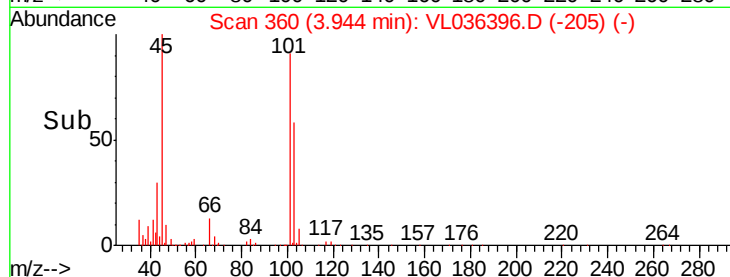
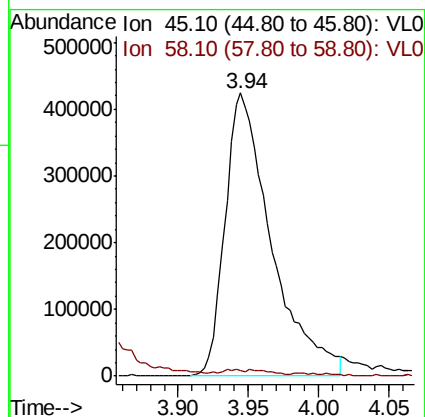
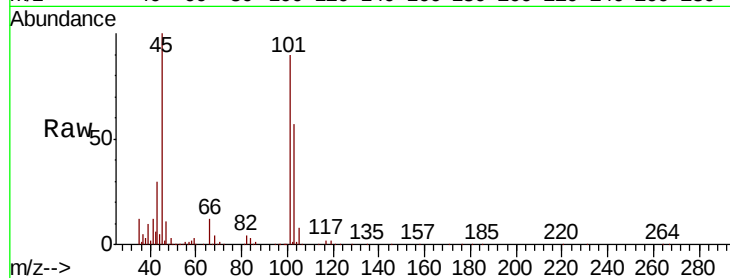
58 3.3 1.9 2.9#

Manual Integrations

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#20

Methylene Chloride

Concen: 9.467 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Tgt Ion: 84 Resp: 562027

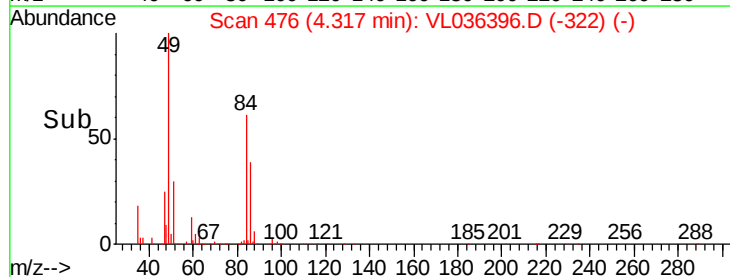
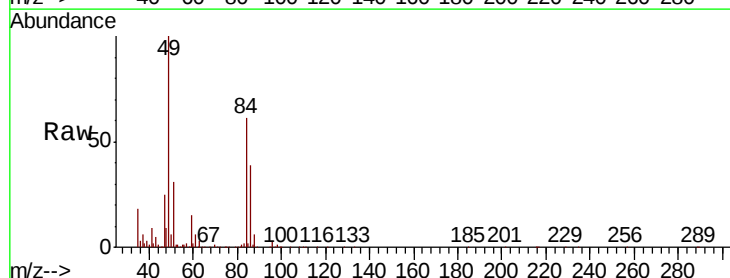
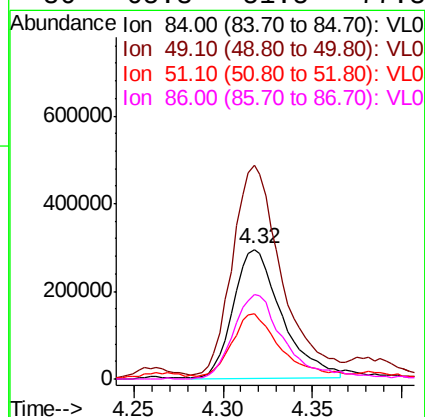
Ion Ratio Lower Upper

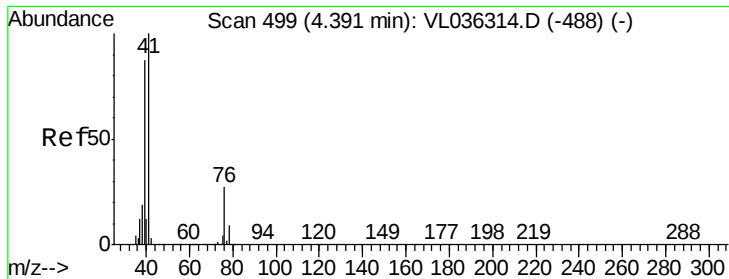
84 100

49 162.6 133.8 200.8

51 47.6 41.4 62.0

86 65.3 51.5 77.3





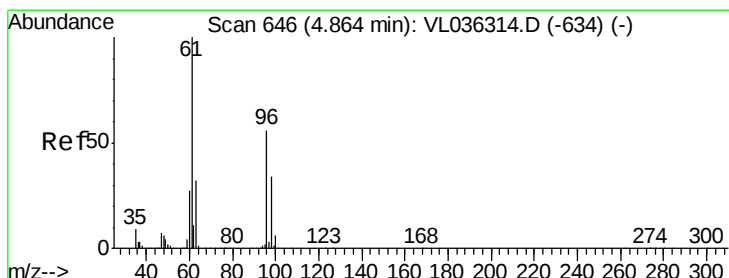
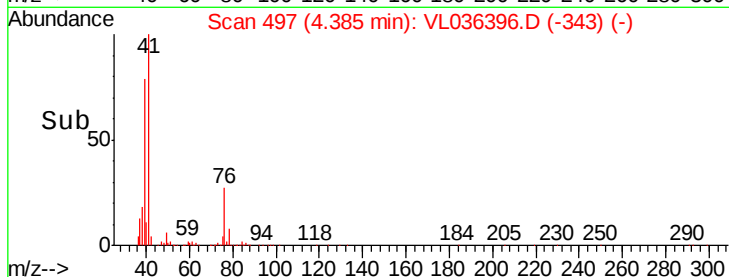
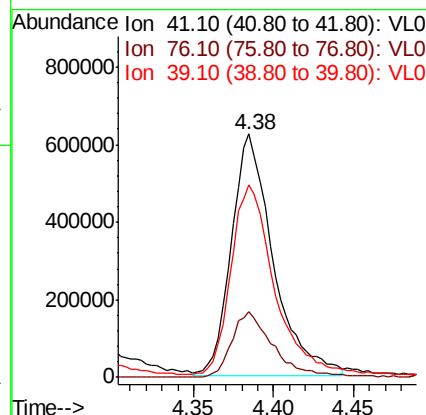
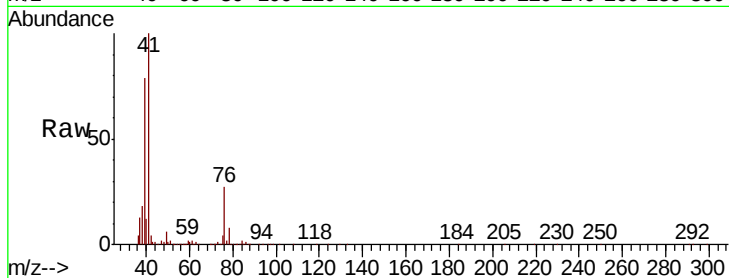
#21
Allvl Chloride
Concen: 10.929 ppbv
RT: 4.38 min Scan# 497
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.1	22.0	33.0
39	83.9	70.2	105.2

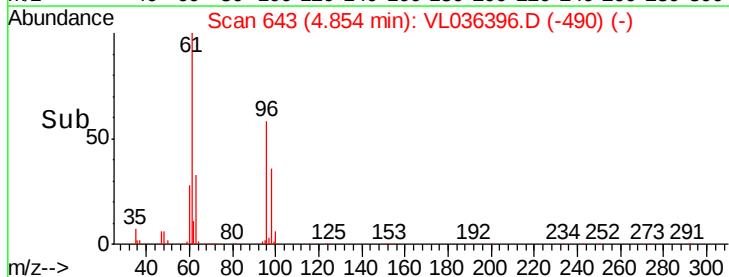
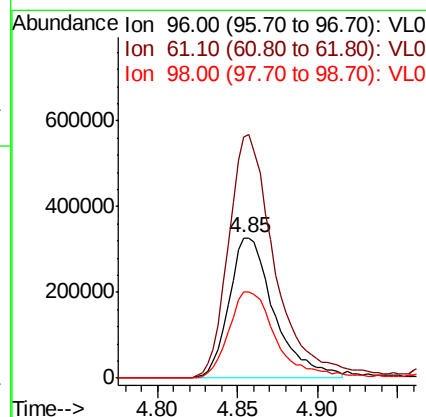
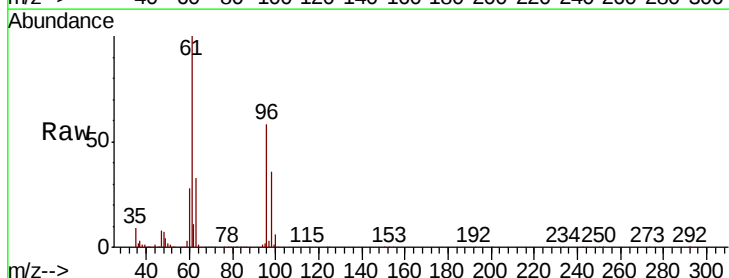
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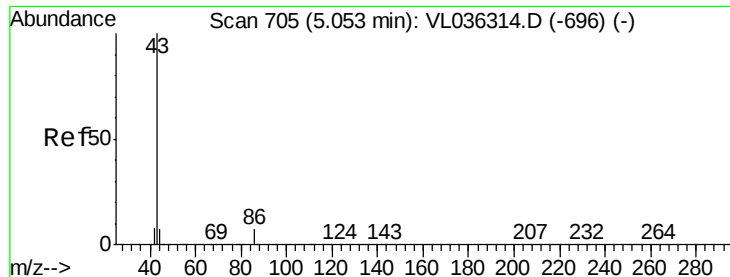
MMDadoda
3/1/2021 10:08:18 AM



#22
trans-1,2-Dichloroethene
Concen: 11.241 ppbv
RT: 4.85 min Scan# 643
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.3	143.7	215.5
98	61.1	48.5	72.7





#23

Vinyl Acetate

Concen: 10.800 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2336796

Ion Ratio Lower Upper

43 100

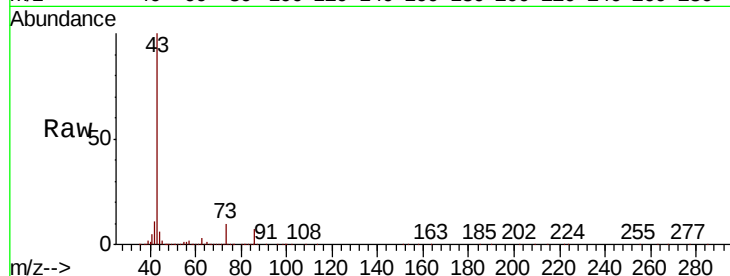
86 6.7 4.8 7.2

42 10.2 7.4 11.0

44 5.5 4.8 7.2

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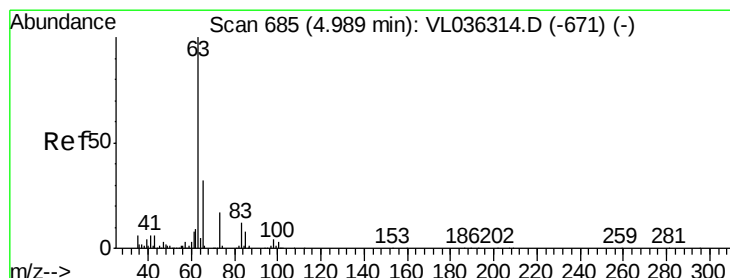
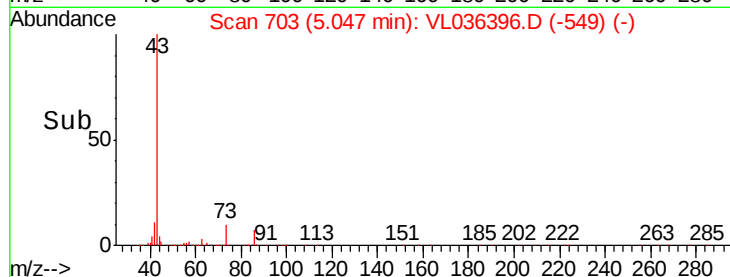
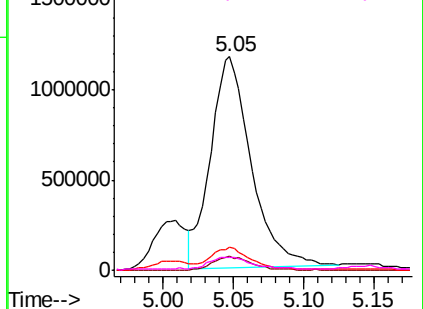


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.911 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

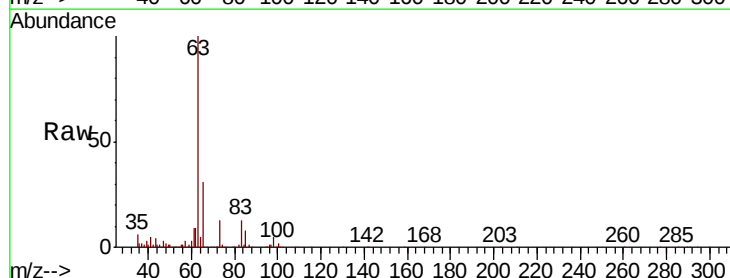
Tgt Ion: 63 Resp: 1745902

Ion Ratio Lower Upper

63 100

98 4.5 2.0 6.0

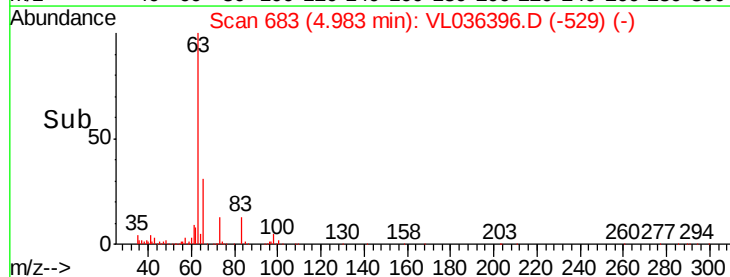
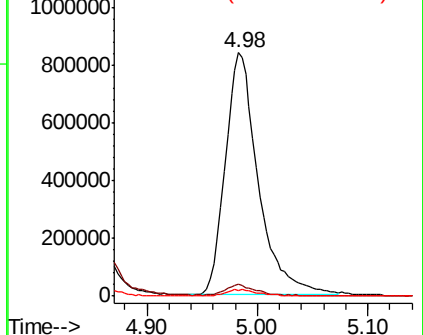
100 2.4 1.5 4.4

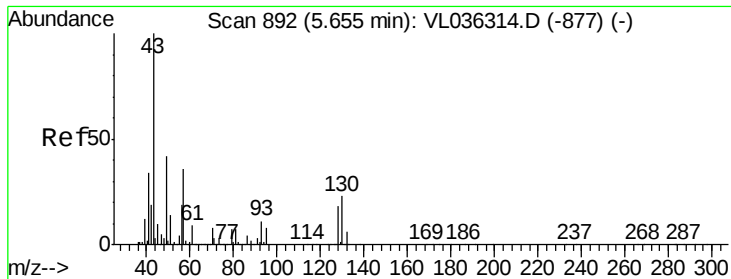


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





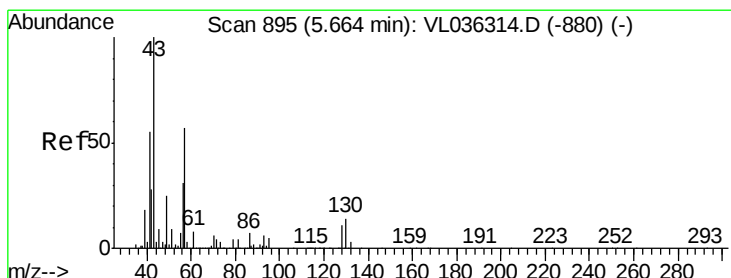
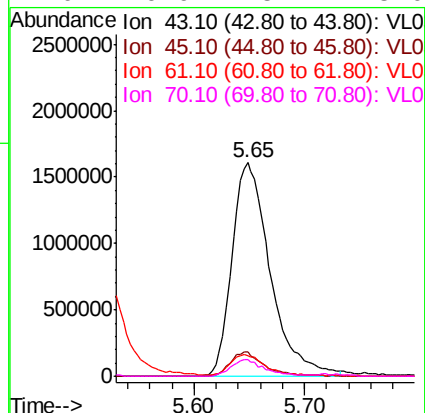
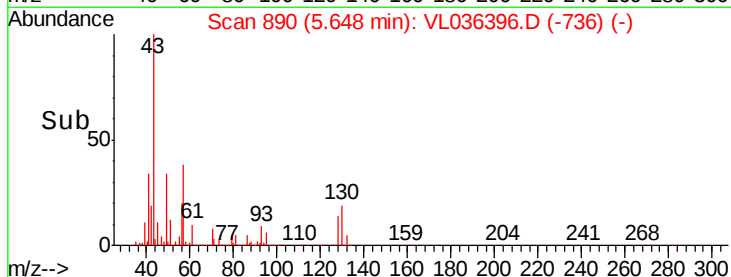
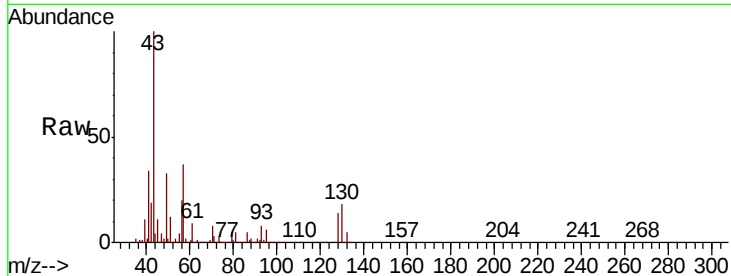
#25
Ethyl Acetate
Concen: 10.834 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.8	7.3	10.9
70	6.9	5.4	8.0

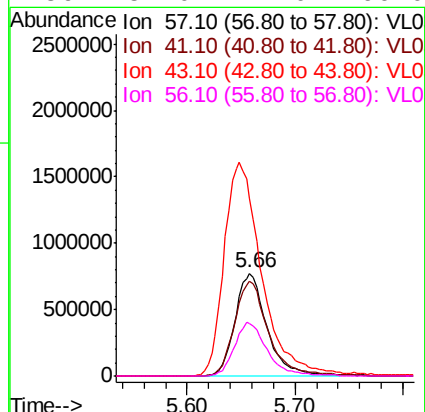
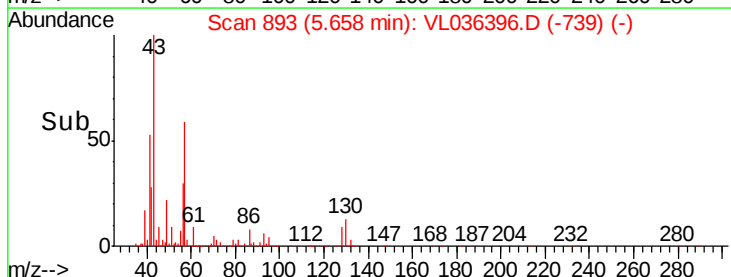
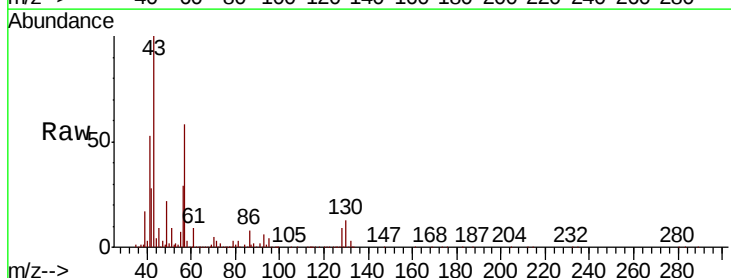
Manual Integrations
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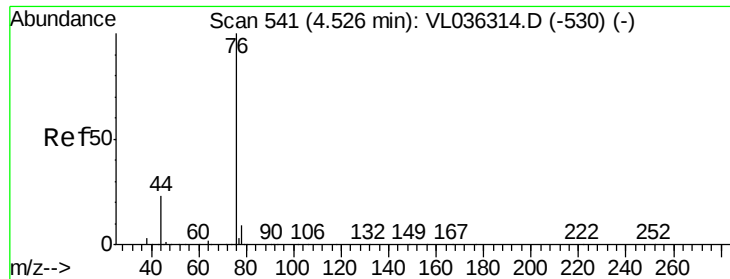
MMDadoda
3/1/2021 10:08:18 AM



#26
Hexane
Concen: 10.883 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion	Ratio	Lower	Upper
57	100		
41	98.8	81.7	122.5
43	246.6	199.1	298.7
56	54.0	44.0	66.0





#27

Carbon Disulfide

Concen: 12.255 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1643966

Ion Ratio Lower Upper

76 100

44 21.0 18.4 27.6

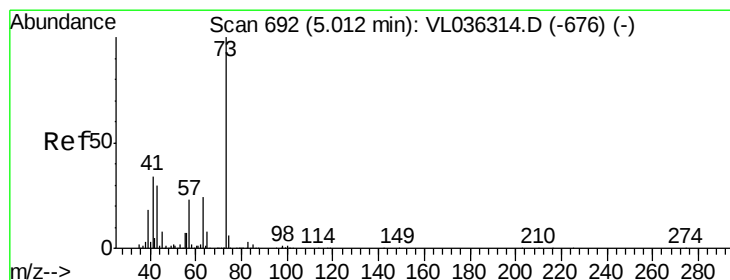
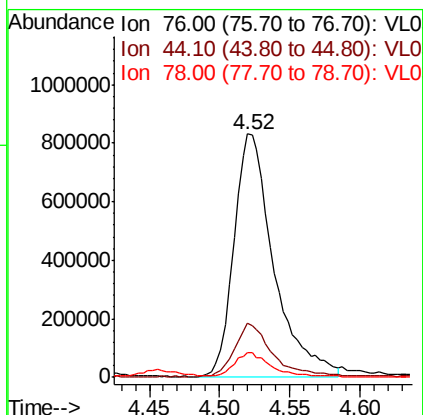
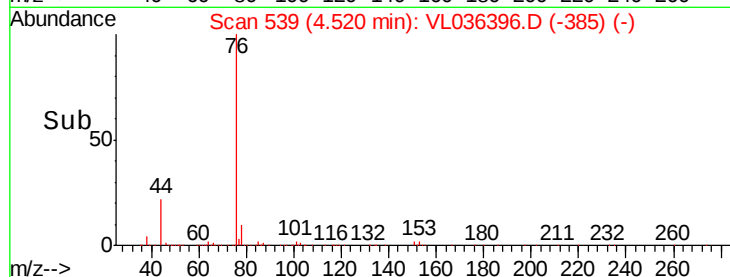
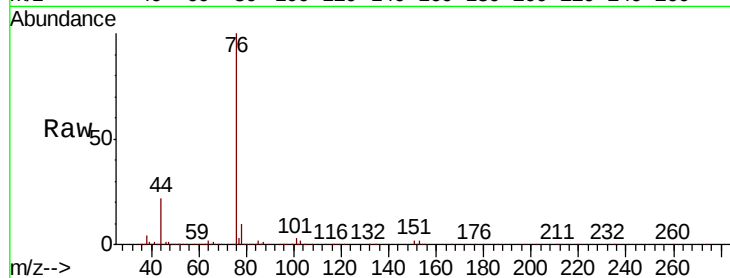
78 9.8 8.0 12.0

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#28

Methyl tert-Butyl Ether

Concen: 11.099 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL036396.D

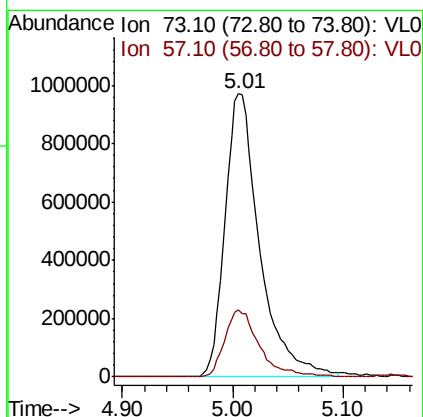
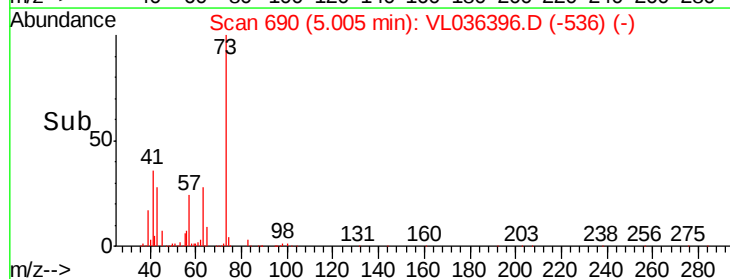
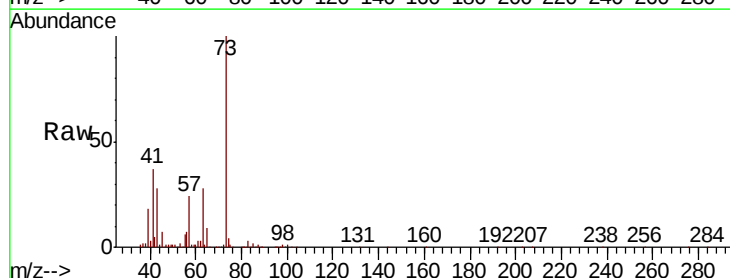
Acq: 26 Feb 2021 9:48

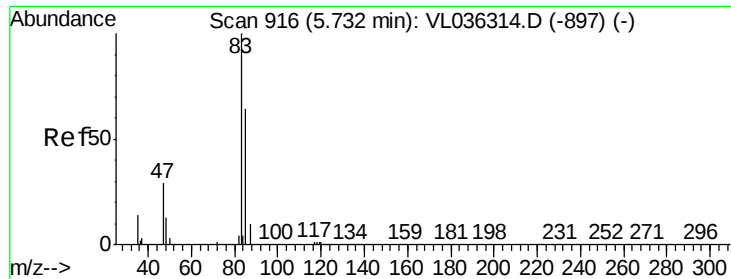
Tgt Ion: 73 Resp: 2116316

Ion Ratio Lower Upper

73 100

57 24.0 19.2 28.8





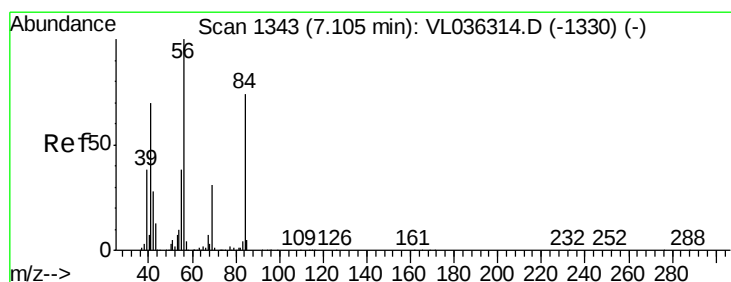
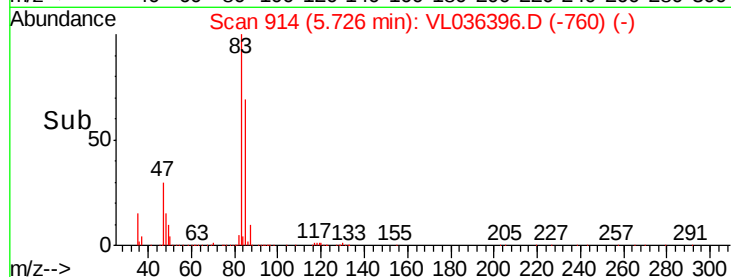
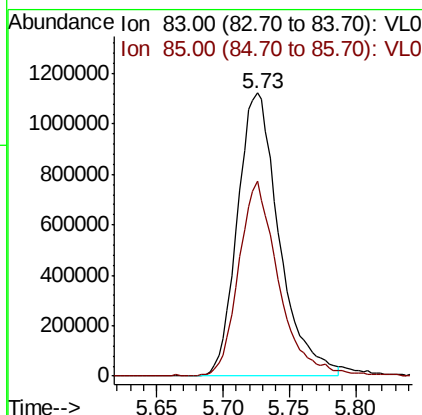
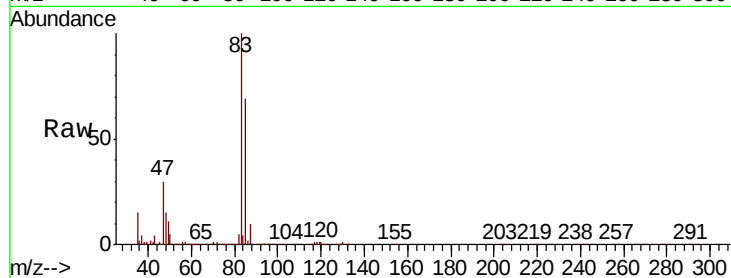
#29
Chloroform
Concen: 10.479 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2464186
Ion Ratio Lower Upper
83 100
85 68.7 51.4 77.2

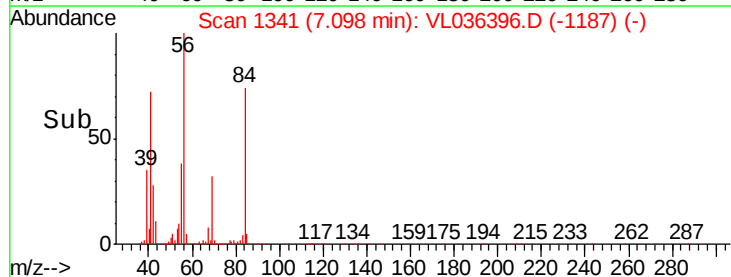
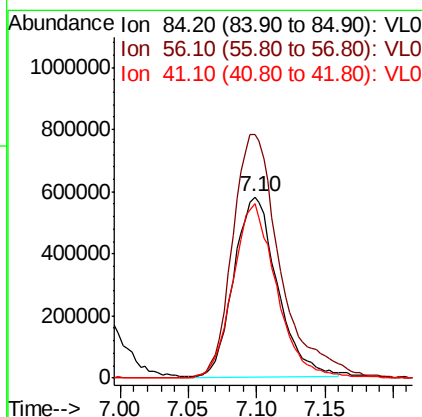
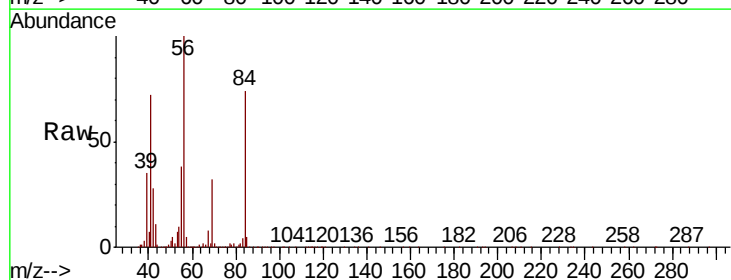
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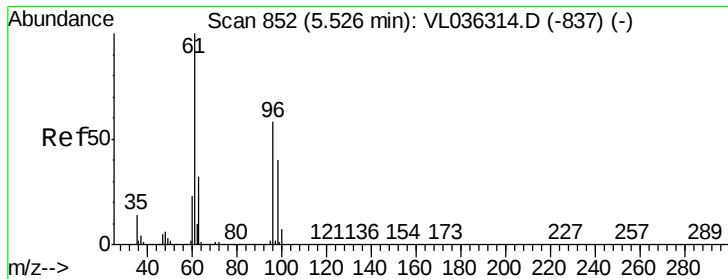
MMDadoda
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#30
Cyclohexane
Concen: 10.644 ppbv
RT: 7.10 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion: 84 Resp: 1292035
Ion Ratio Lower Upper
84 100
56 148.3 120.2 180.4
41 96.6 79.7 119.5





#31

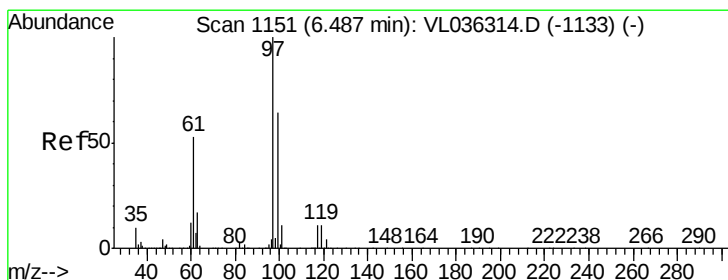
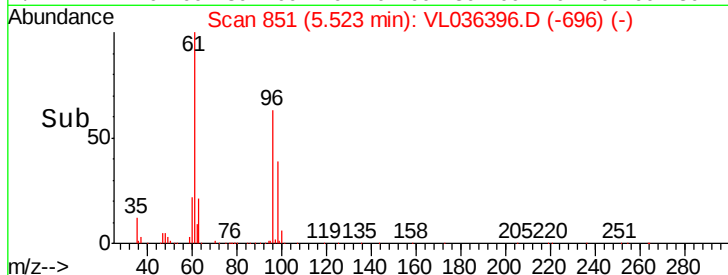
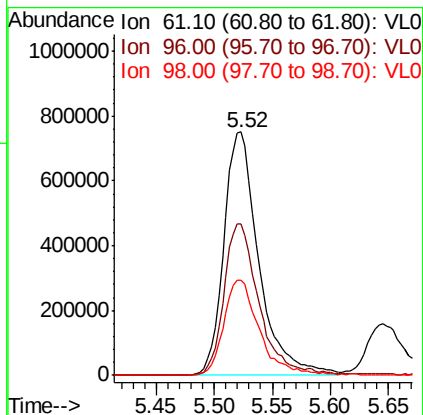
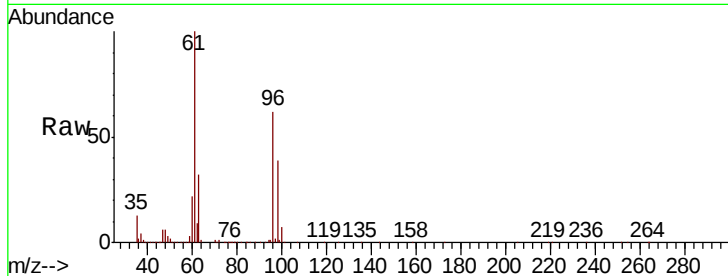
cis-1,2-Dichloroethene
 Concen: 10.849 ppbv
 RT: 5.52 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.0	46.0	69.0
98	38.8	31.9	47.9

Manual Integrations
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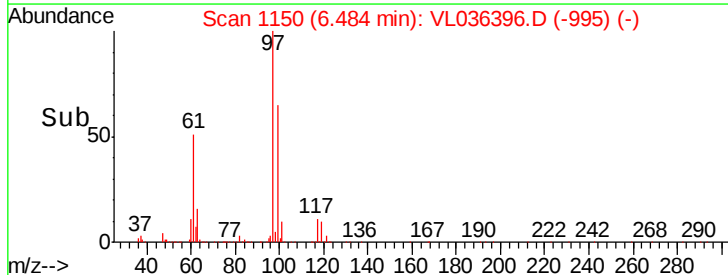
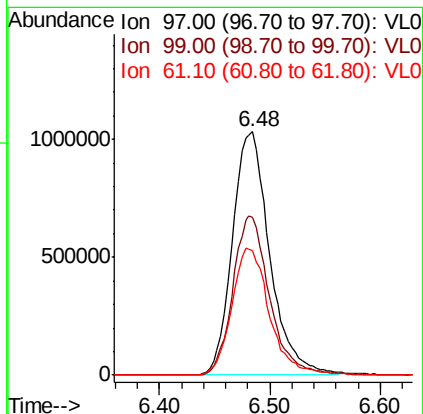
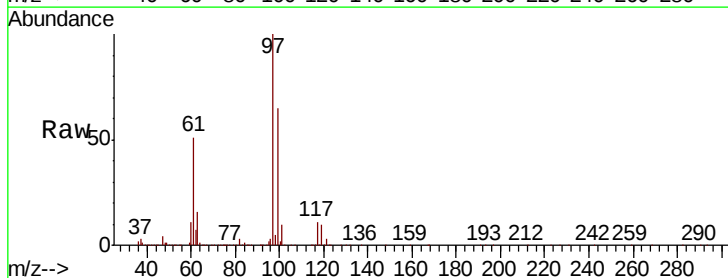
MMDadoda
 3/1/2021 10:08:18 AM

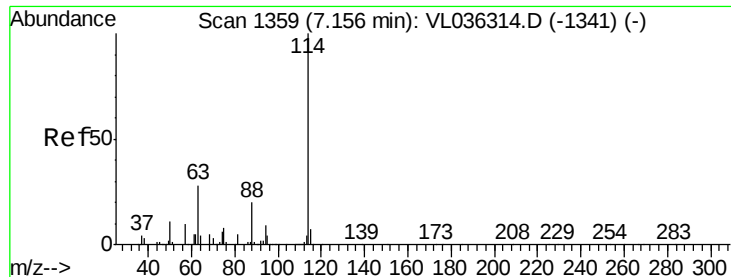


#32

1,1,1-Trichloroethane
 Concen: 11.029 ppbv
 RT: 6.48 min Scan# 1150
 Delta R.T. -0.00 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.2	78.4
61	52.9	43.3	64.9





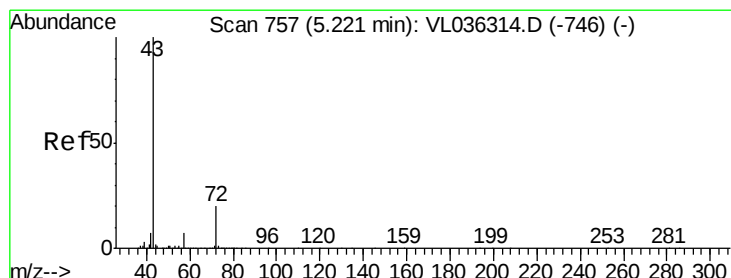
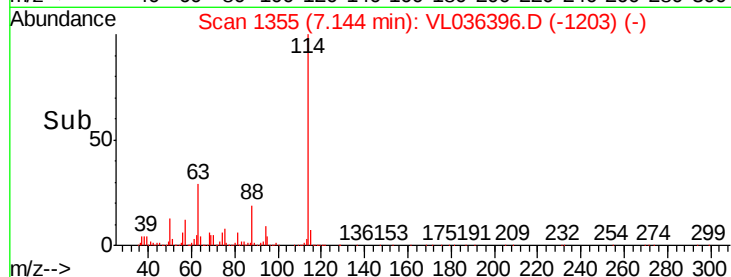
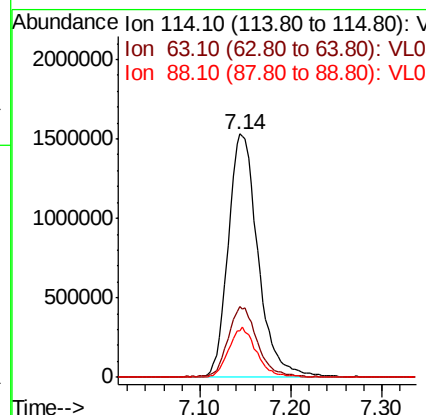
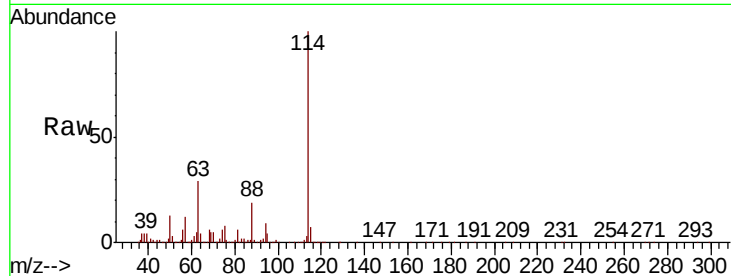
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.1	24.1	36.1
88	19.5	16.0	24.0

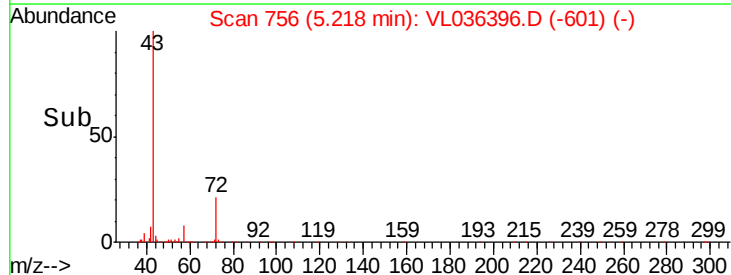
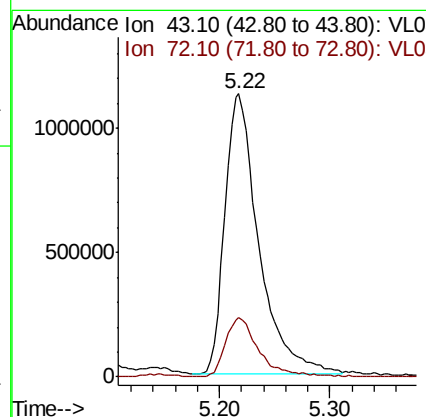
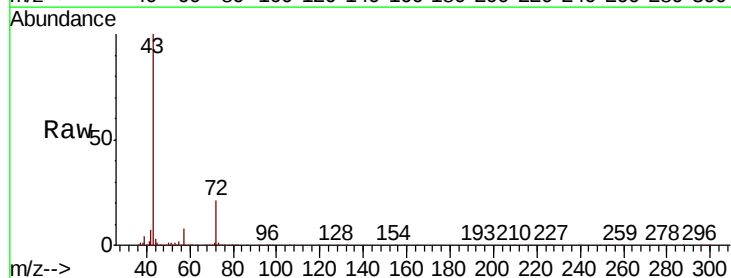
Manual Integrations
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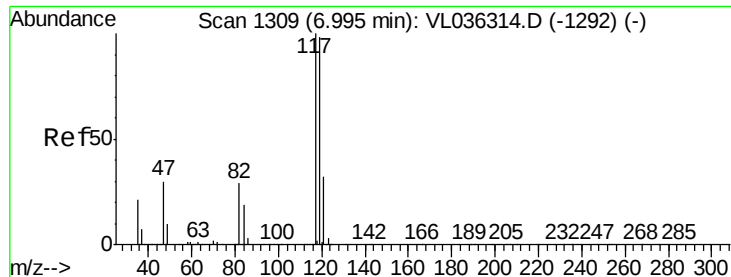
MMDadoda
 3/1/2021 10:08:18 AM



#34
 2-Butanone
 Concen: 10.424 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.7	16.7	25.1





#35

Carbon Tetrachloride

Concen: 10.643 ppbv

RT: 6.99 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2481793

Ion Ratio Lower Upper

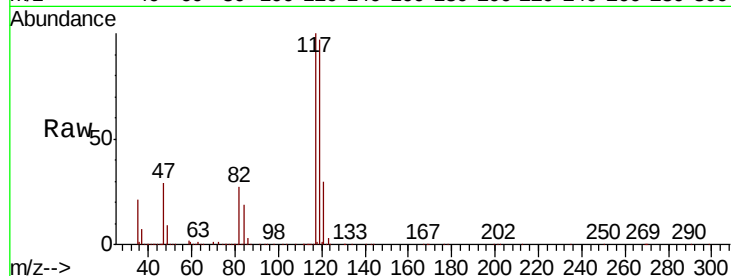
117 100

119 96.5 78.1 117.1

121 30.0 25.8 38.8

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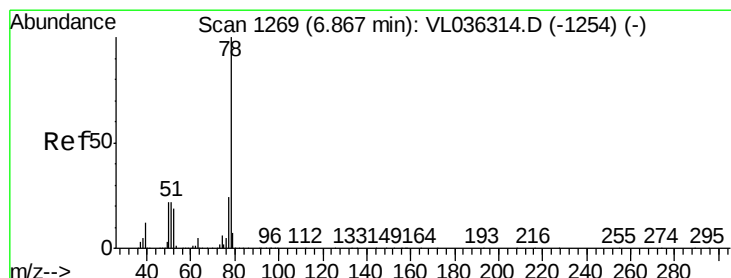
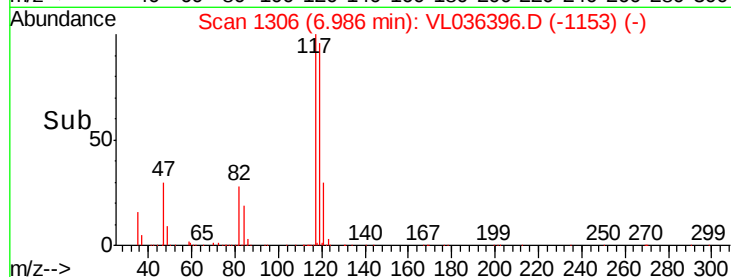
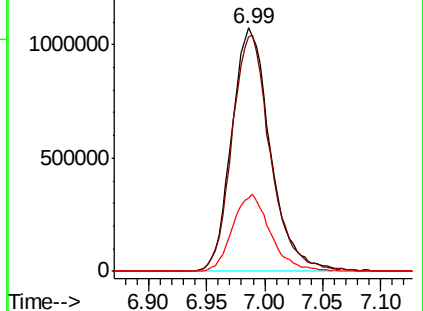
MMDadoda
3/1/2021 10:08:18 AM



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: 11.017 ppbv

RT: 6.86 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

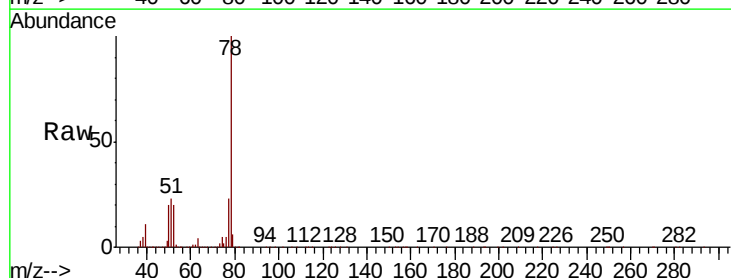
Tgt Ion: 78 Resp: 3256106

Ion Ratio Lower Upper

78 100

77 22.8 18.9 28.3

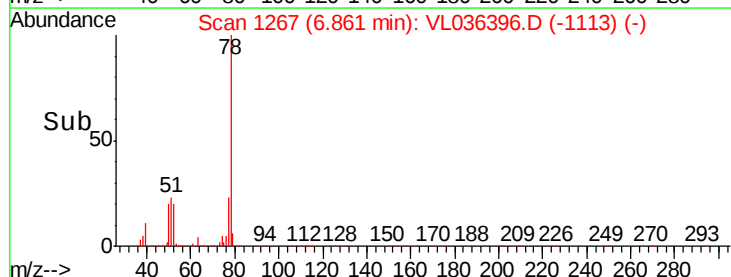
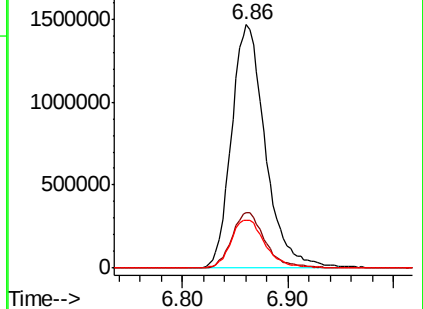
50 19.8 17.3 25.9

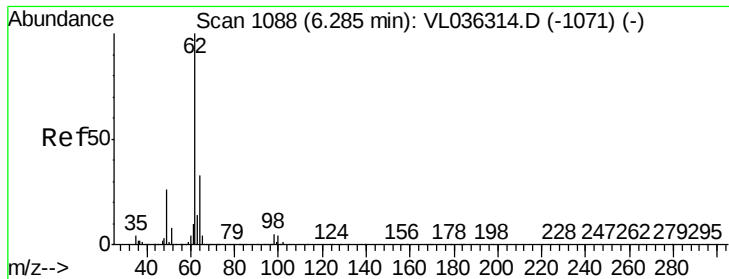


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





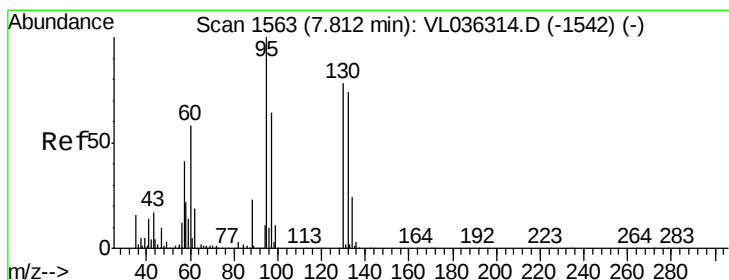
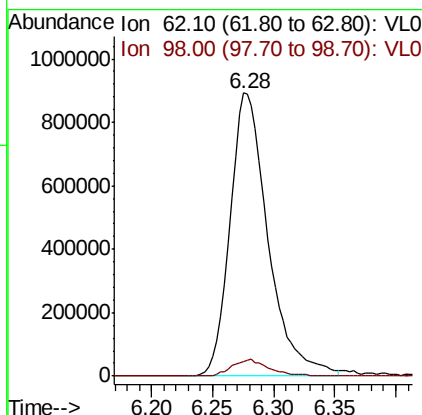
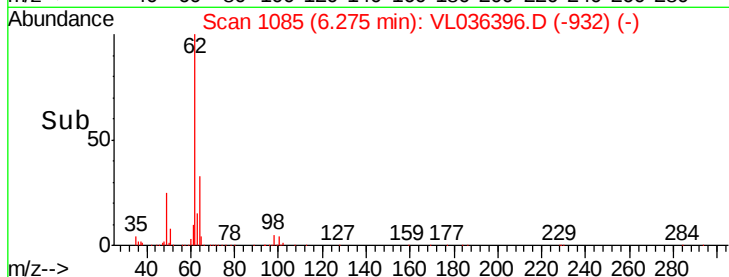
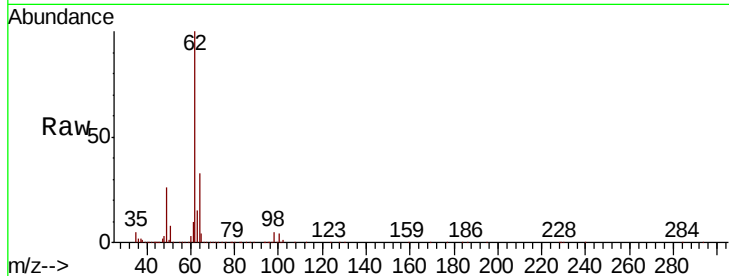
#37
 1,2-Dichloroethane
 Concen: 10.608 ppbv
 RT: 6.28 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1938496
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.5 6.7

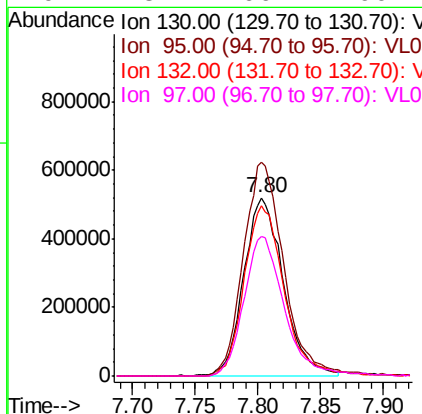
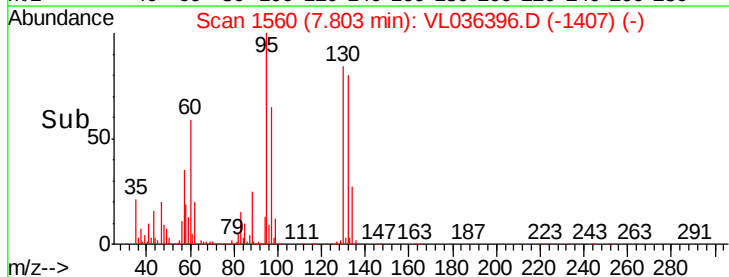
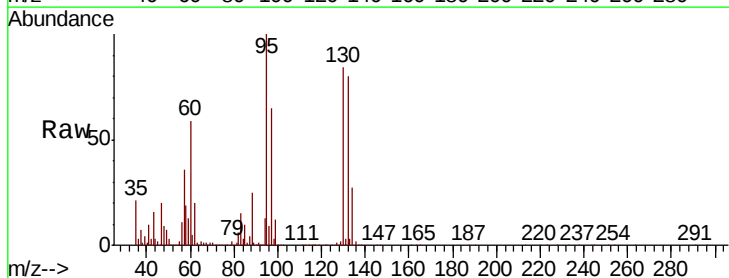
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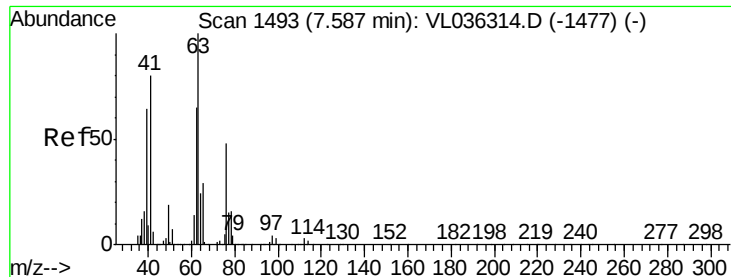
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#38
 Trichloroethene
 Concen: 10.686 ppbv
 RT: 7.80 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Tgt Ion:130 Resp: 1131496
 Ion Ratio Lower Upper
 130 100
 95 120.0 102.8 154.2
 132 95.4 75.7 113.5
 97 78.4 66.2 99.2





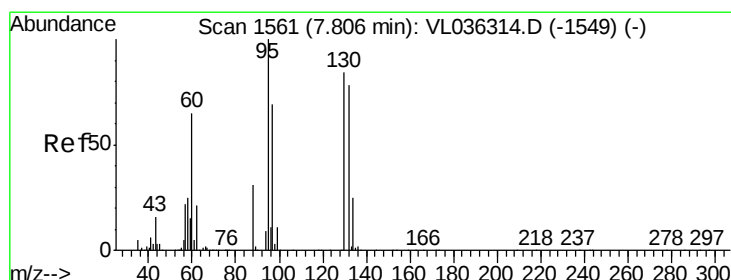
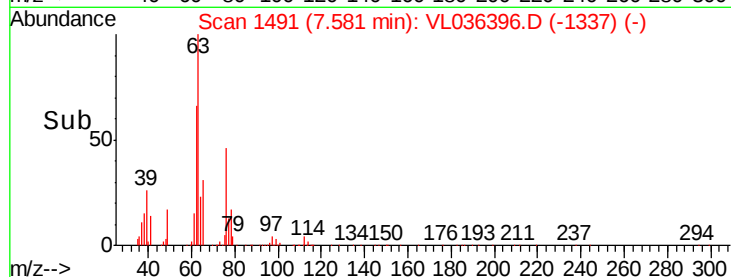
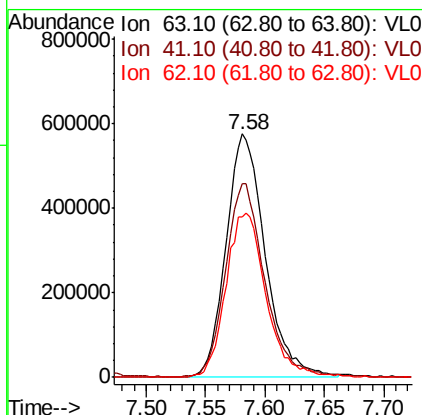
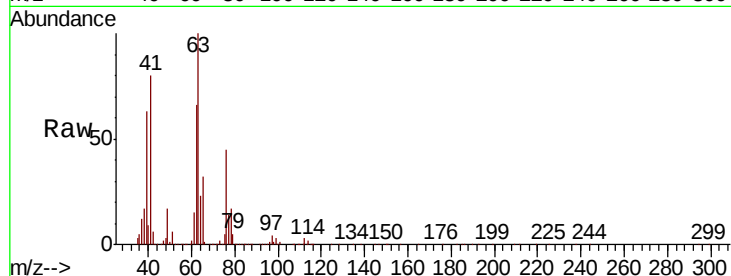
#39
 1,2-Dichloropropane
 Concen: 10.889 ppbv
 RT: 7.58 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	63	Resp:	1307331
Ion	Ratio	Lower	Upper
63	100		
41	79.0	63.8	95.6
62	65.6	52.3	78.5

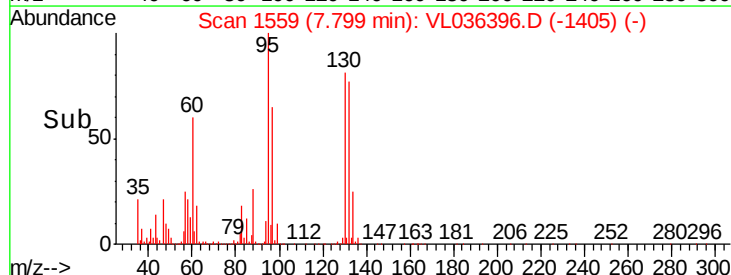
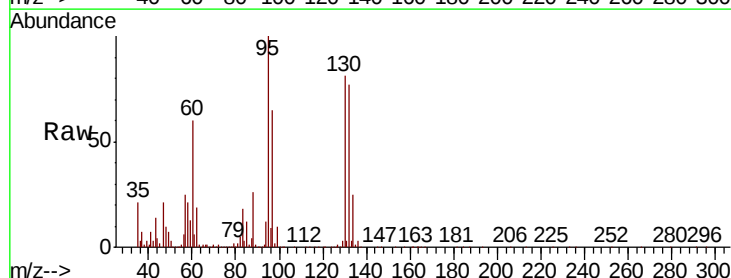
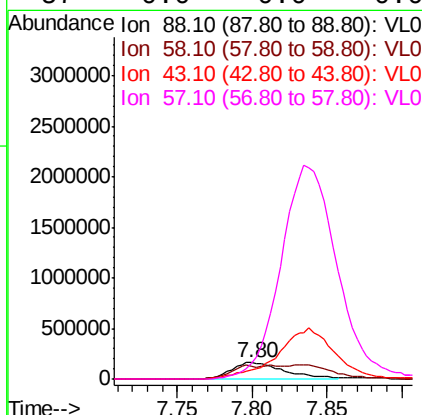
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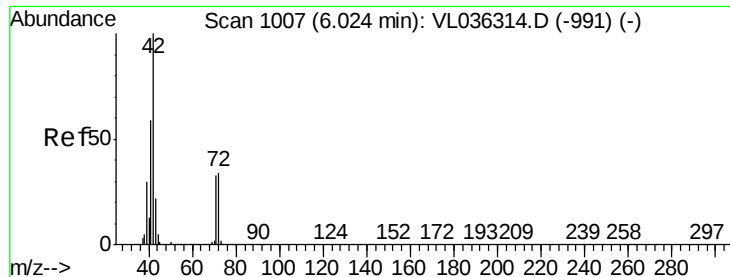
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#40
 1,4-Dioxane
 Concen: 9.652 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Tgt Ion:	88	Resp:	401524
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: 11.138 ppbv

RT: 6.02 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 42 Resp: 1436860

Ion Ratio Lower Upper

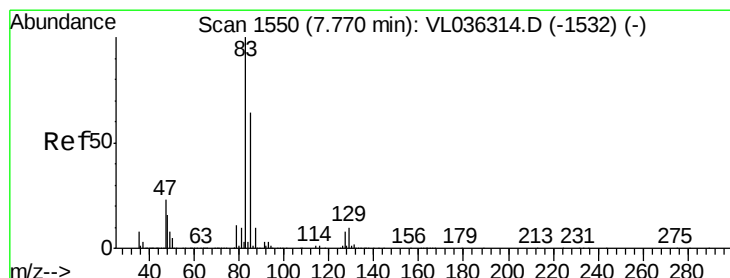
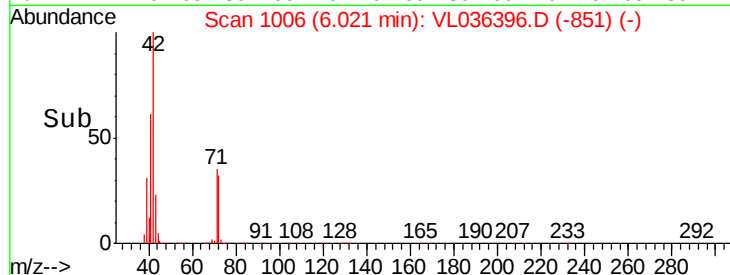
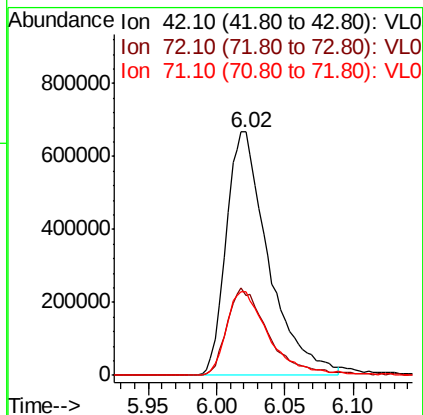
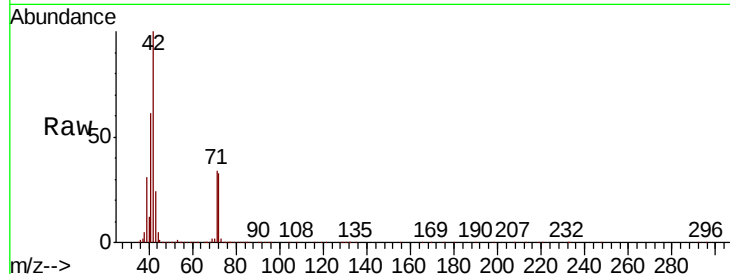
42 100

72 36.1 29.3 43.9

71 35.3 27.8 41.8

Manual Integrations
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3/1/2021 10:08:18 AM



#42

Bromodichloromethane

Concen: 10.866 ppbv

RT: 7.76 min Scan# 1547

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

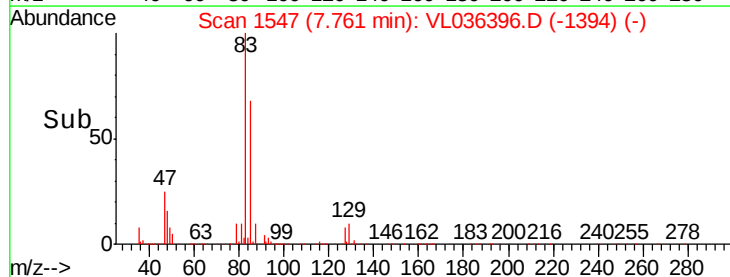
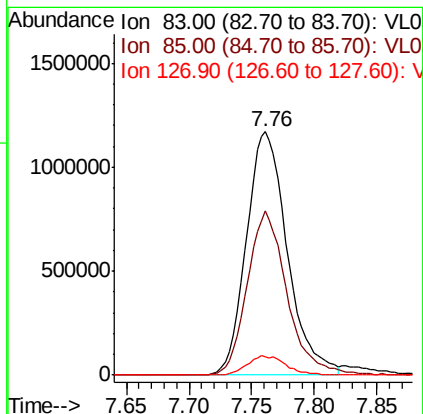
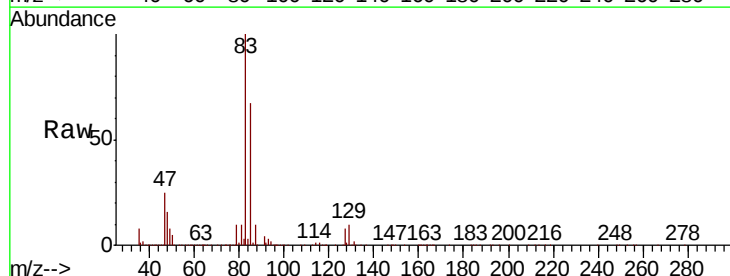
Tgt Ion: 83 Resp: 2659330

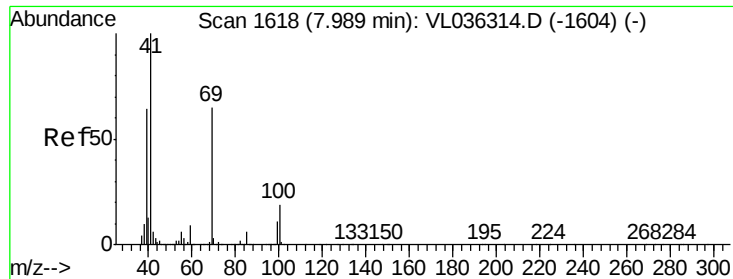
Ion Ratio Lower Upper

83 100

85 67.5 51.1 76.7

127 7.5 6.3 9.5





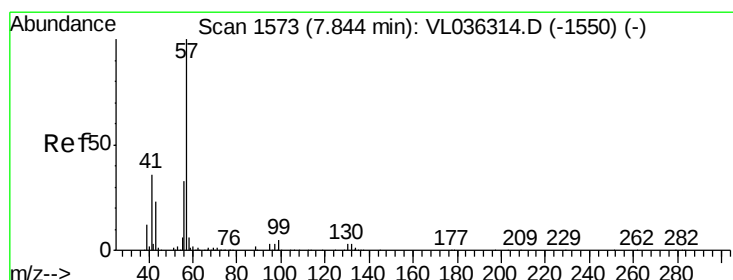
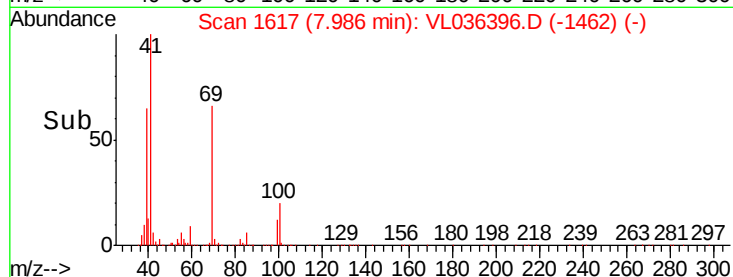
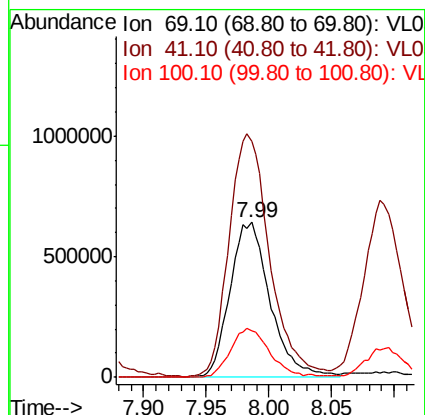
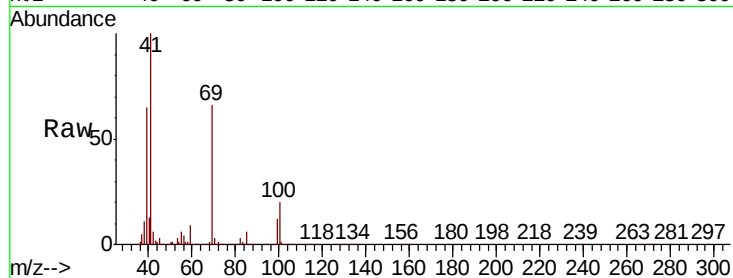
#43
Methvl Methacrilate
Concen: 11.459 ppbv
RT: 7.99 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
69	100		
41	158.4	126.5	189.7
100	31.3	23.1	34.7

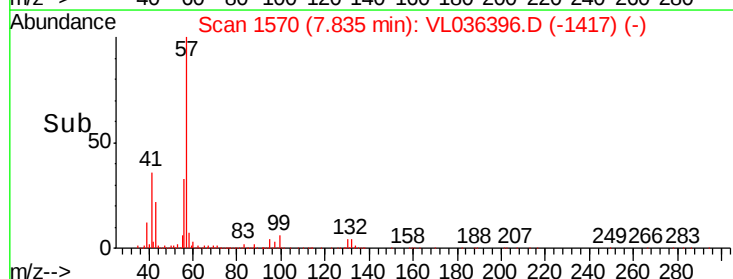
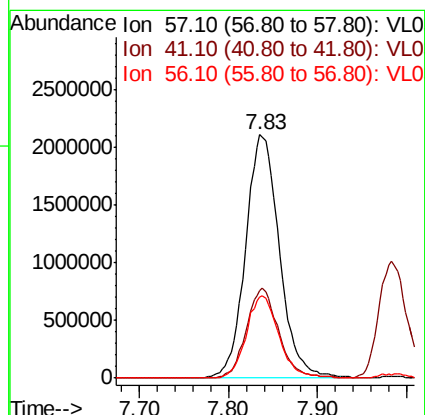
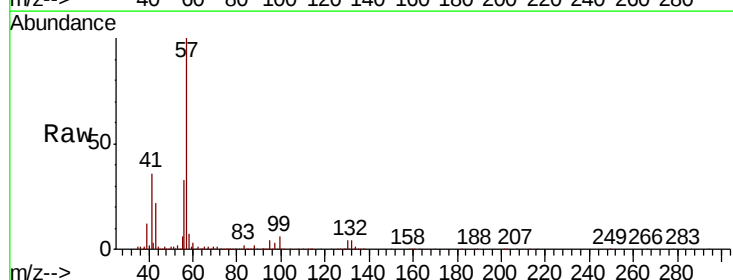
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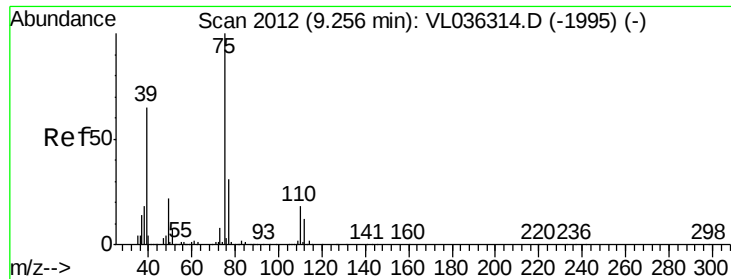
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 10.331 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.1	28.8	43.2
56	32.6	25.8	38.6





#45

t-1,3-Dichloropropene

Concen: 12.611 ppbv

RT: 9.25 min Scan# 2009

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1516422

Ion Ratio Lower Upper

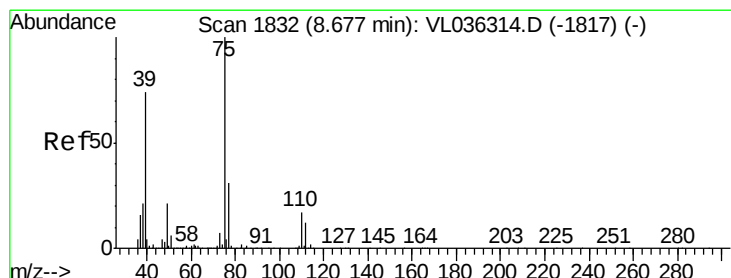
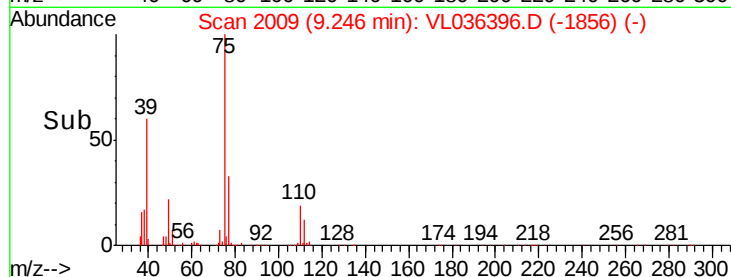
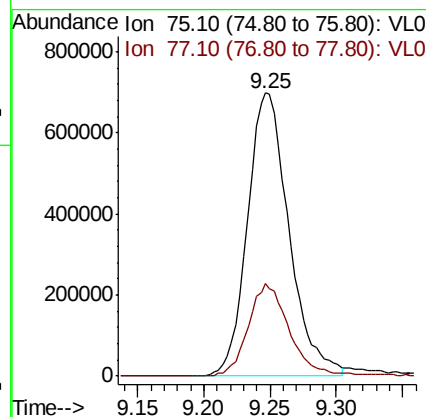
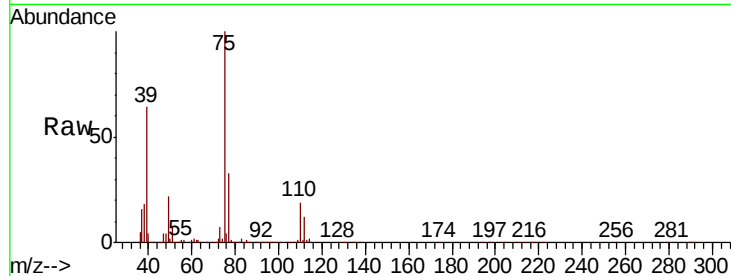
75 100

77 32.6 24.6 37.0

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#46

cis-1,3-Dichloropropene

Concen: 12.177 ppbv

RT: 8.67 min Scan# 1830

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

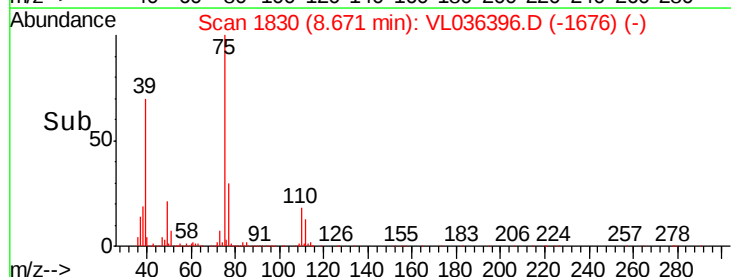
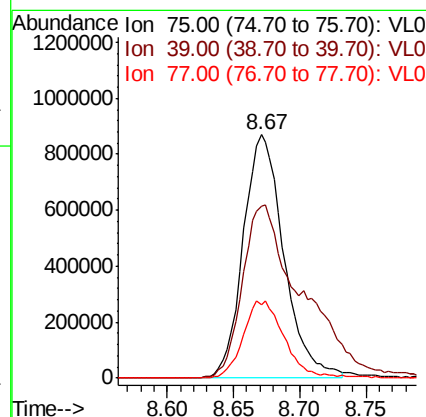
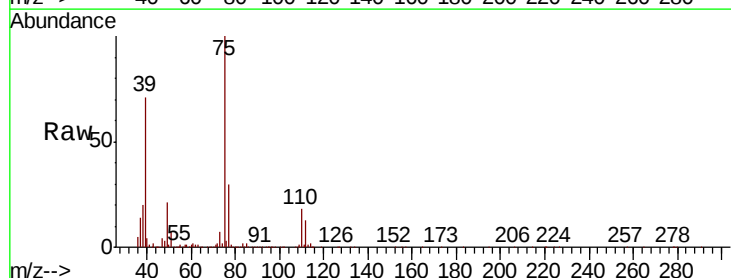
Tgt Ion: 75 Resp: 1859922

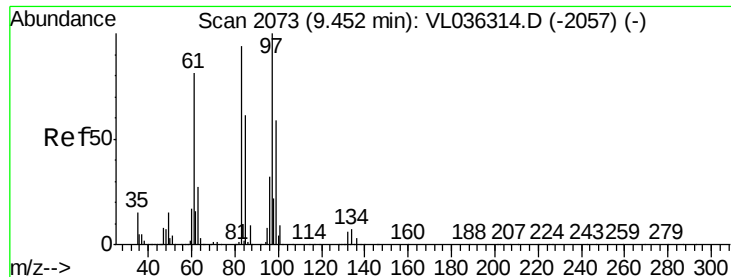
Ion Ratio Lower Upper

75 100

39 70.3 59.2 88.8

77 30.1 25.0 37.6





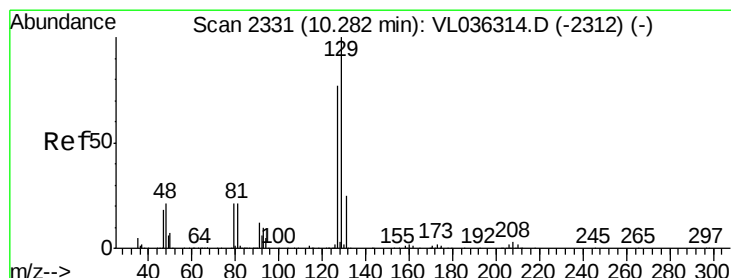
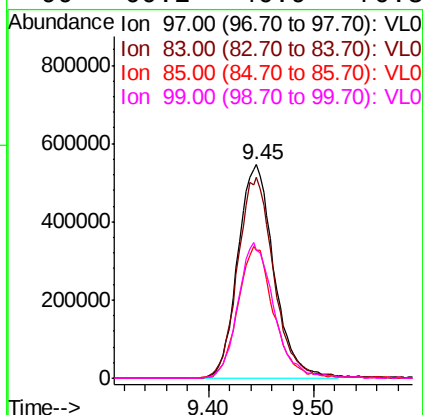
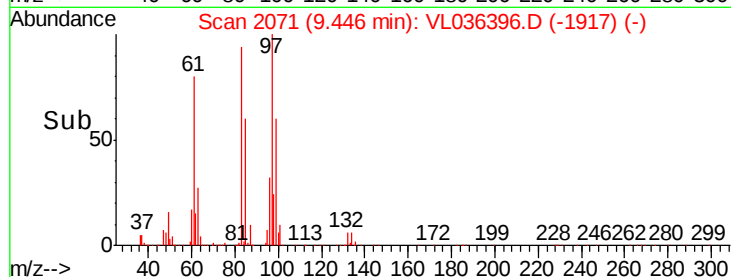
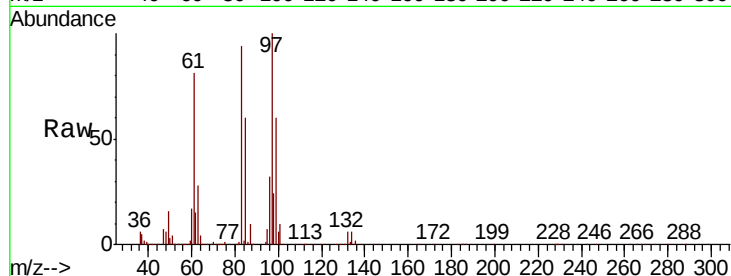
#47
 1,1,2-Trichloroethane
 Concen: 10.610 ppbv
 RT: 9.45 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	93.8	75.4	113.0	
85	59.6	48.9	73.3	
99	60.2	46.9	70.3	

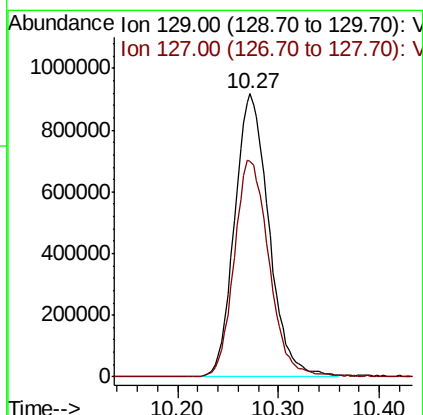
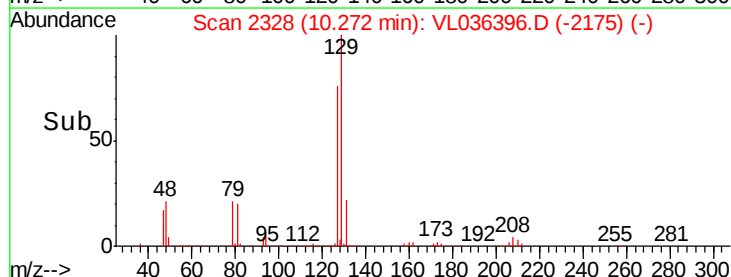
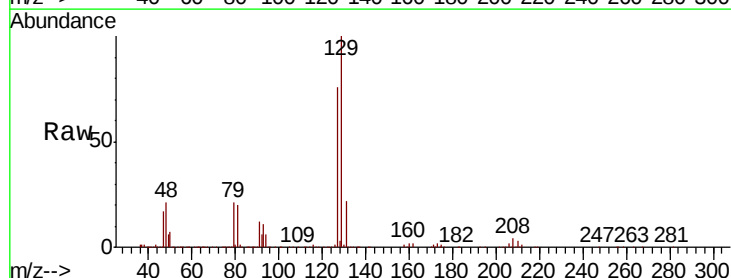
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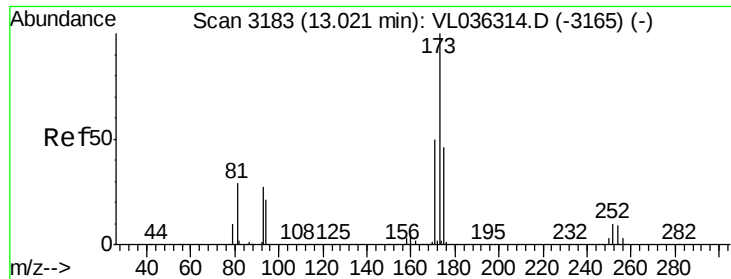
MMDadoda
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#48
 Dibromochloromethane
 Concen: 11.797 ppbv
 RT: 10.27 min Scan# 2328
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.7	39.1	117.2	





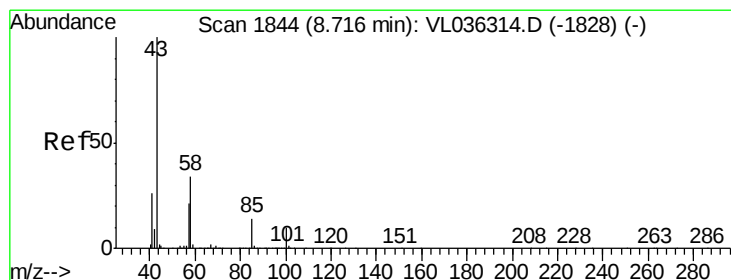
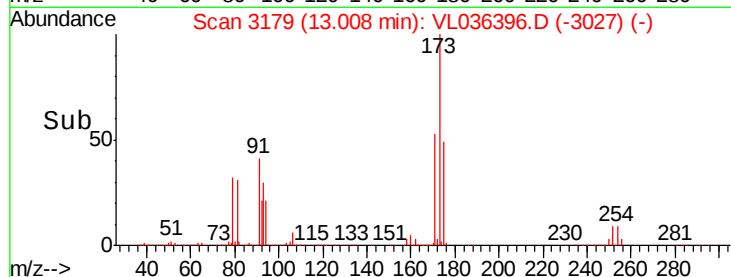
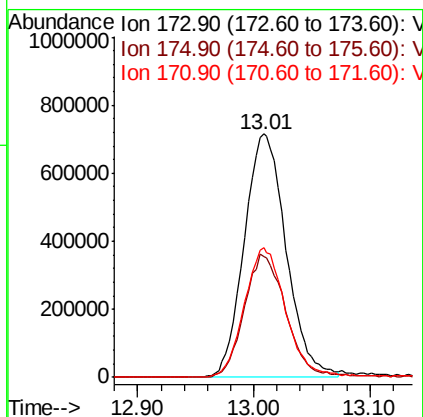
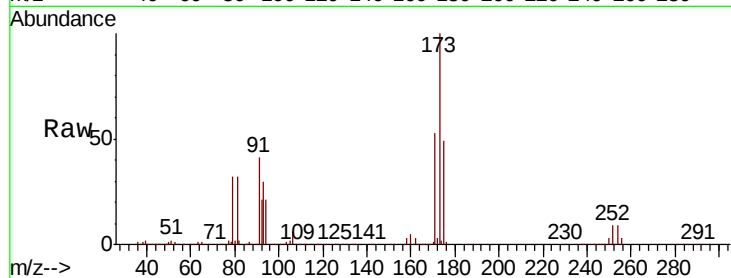
#49
Bromoform
Concen: 12.145 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	40.2	60.2
171	52.7	43.4	65.2

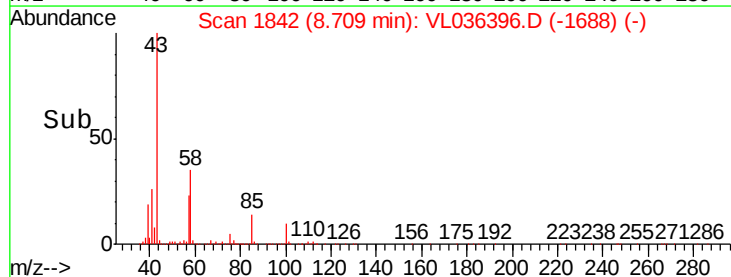
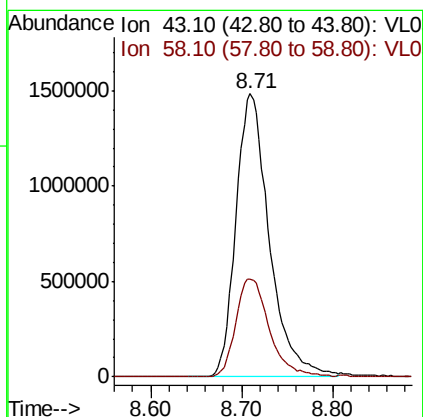
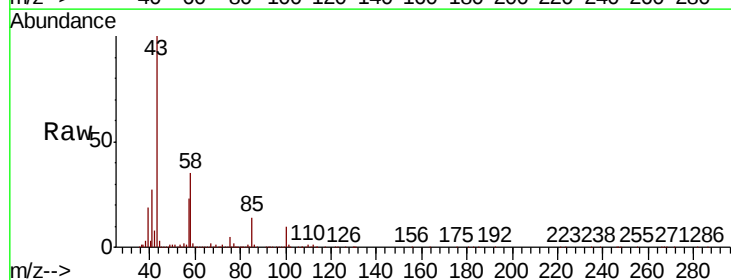
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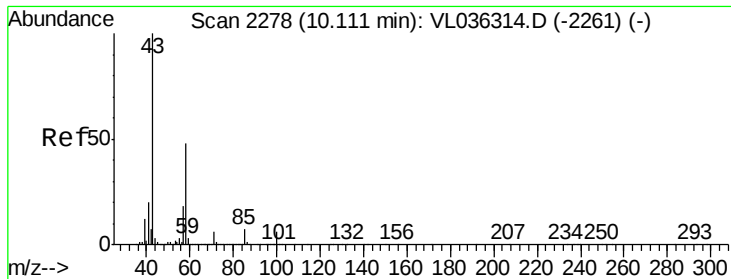
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 11.025 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.8	41.6





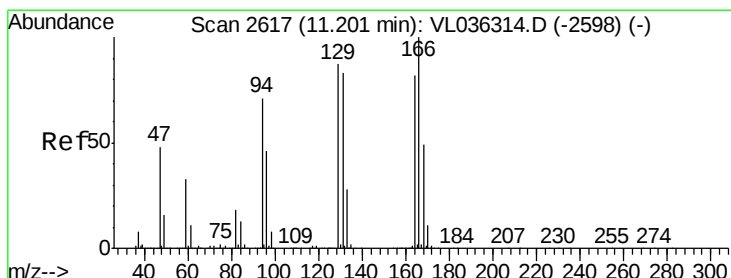
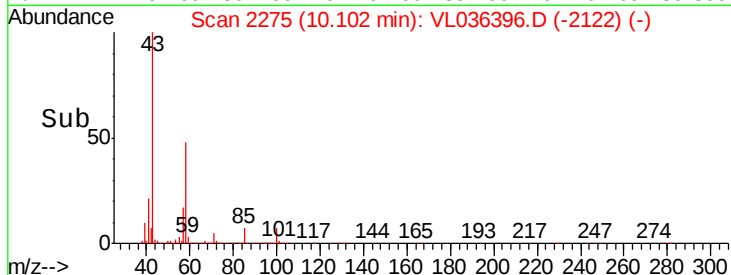
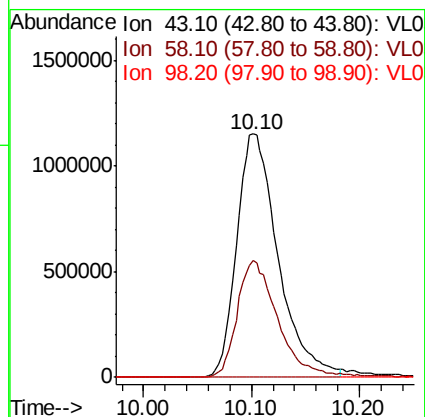
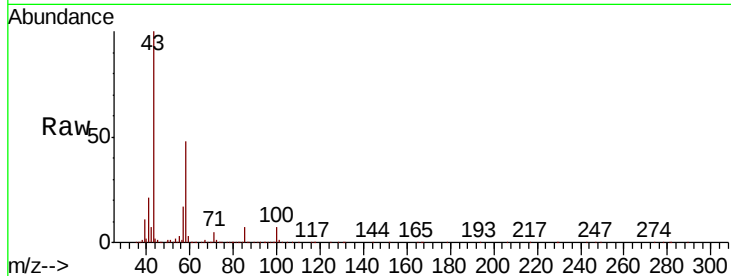
#51
2-Hexanone
Concen: 11.800 ppbv
RT: 10.10 min Scan# 2275
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 3077030
Ion Ratio Lower Upper
43 100
58 47.8 38.7 58.1
98 0.3 0.4 0.6#

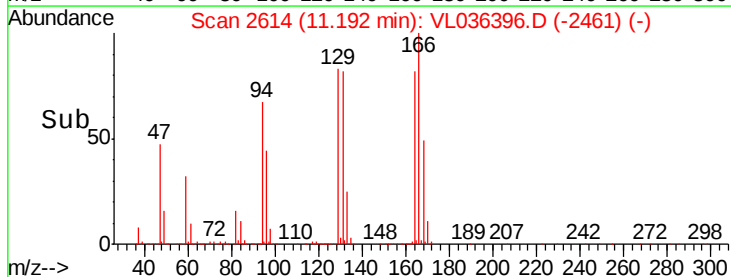
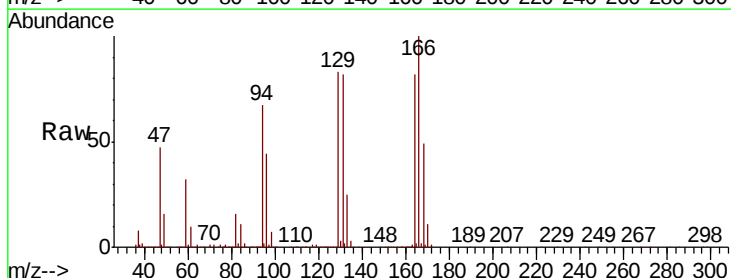
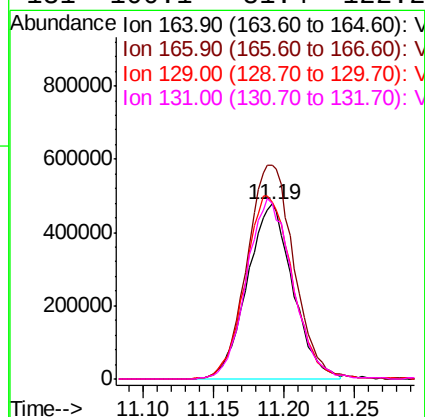
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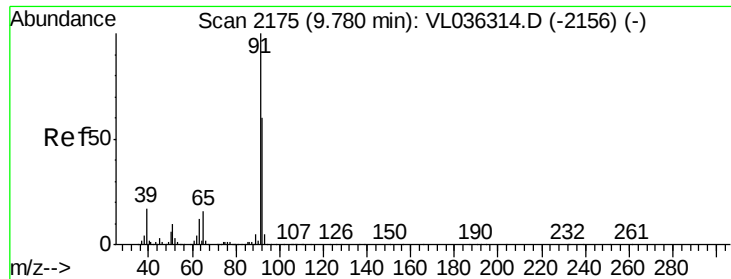
MMDadoda
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#52
Tetrachloroethene
Concen: 9.934 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion: 164 Resp: 1074872
Ion Ratio Lower Upper
164 100
166 121.8 97.8 146.8
129 101.0 84.9 127.3
131 100.1 81.4 122.2





#53

Toluene

Concen: 11.405 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3651143

Ion Ratio Lower Upper

91 100

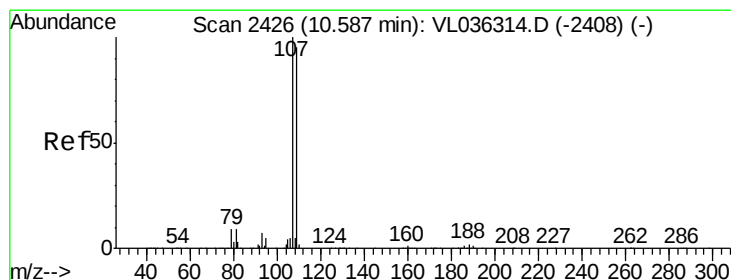
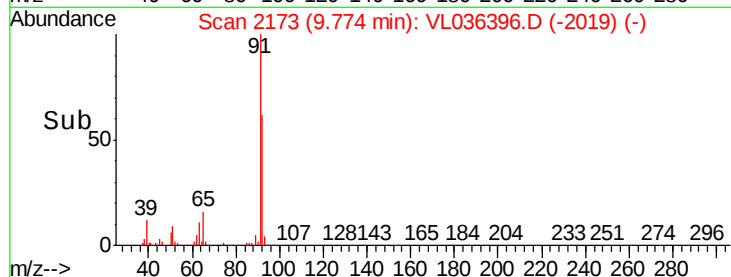
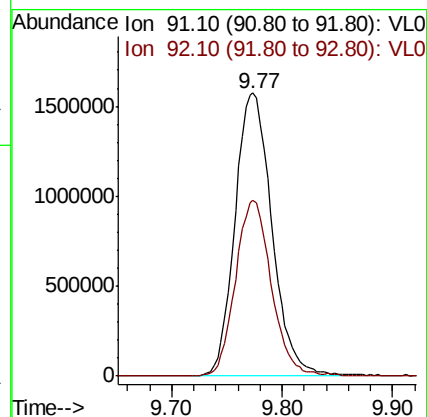
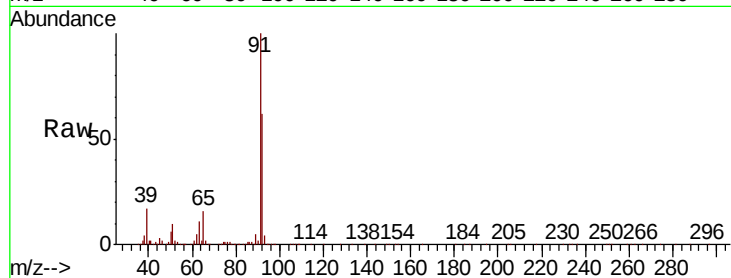
92 60.8 48.6 72.8

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.895 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. -0.01 min

Lab File: VL036396.D

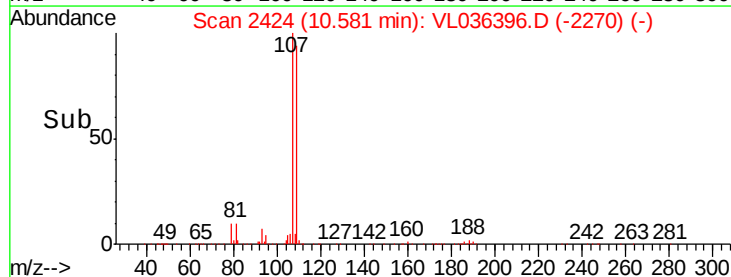
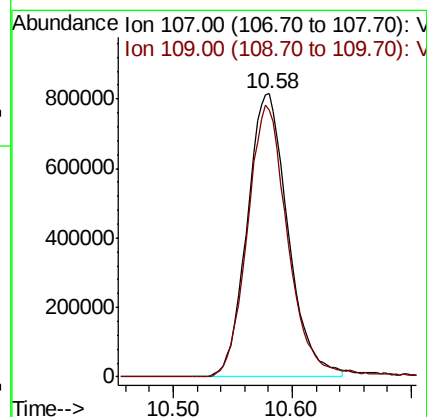
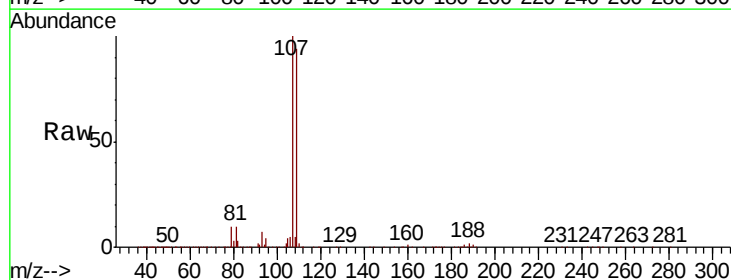
Acq: 26 Feb 2021 9:48

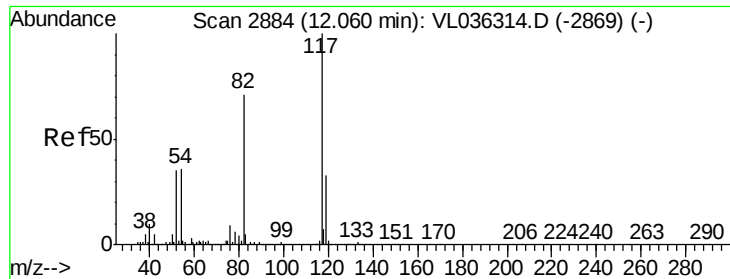
Tgt Ion: 107 Resp: 1934526

Ion Ratio Lower Upper

107 100

109 94.2 76.0 114.0





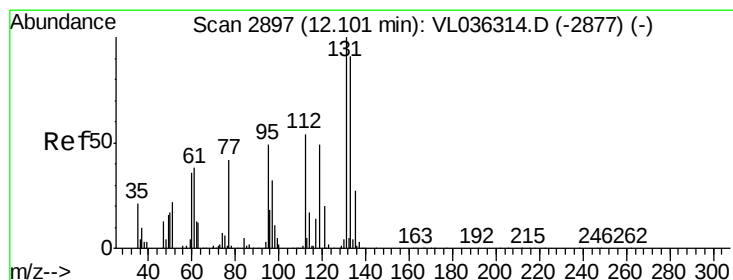
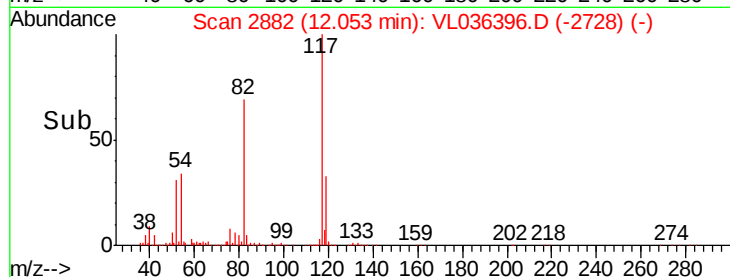
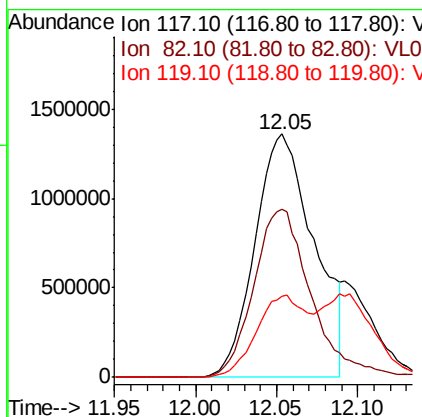
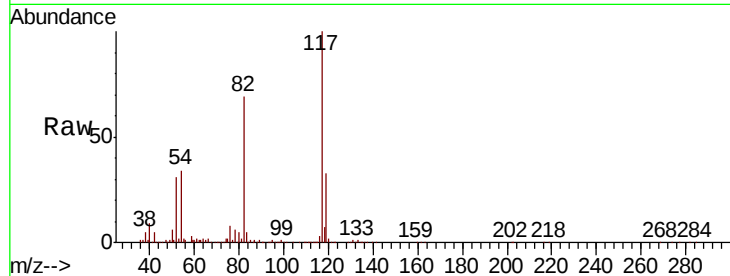
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.05 min Scan# 2882
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 3458432
Ion Ratio Lower Upper
117 100
82 68.2 59.1 88.7
119 27.2 46.3 69.5#

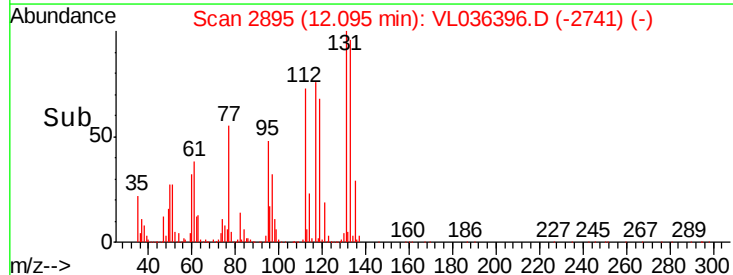
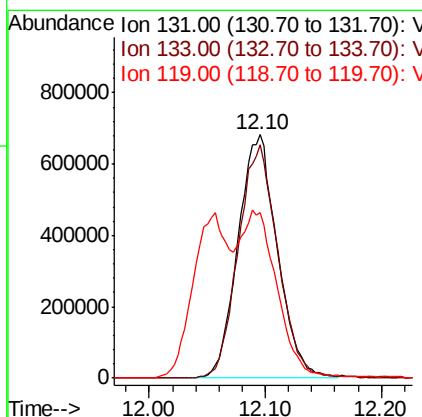
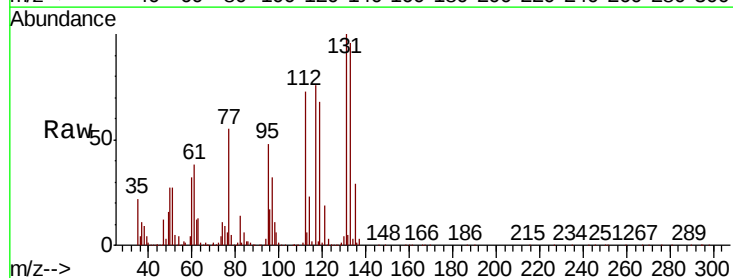
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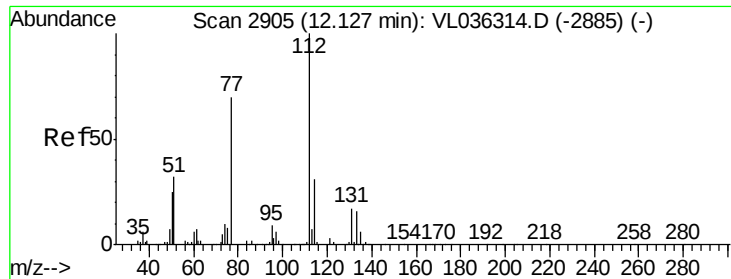
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.080 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion:131 Resp: 1603523
Ion Ratio Lower Upper
131 100
133 96.8 76.0 114.0
119 69.0 115.1 172.7#





#57

Chlorobenzene

Concen: 9.851 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

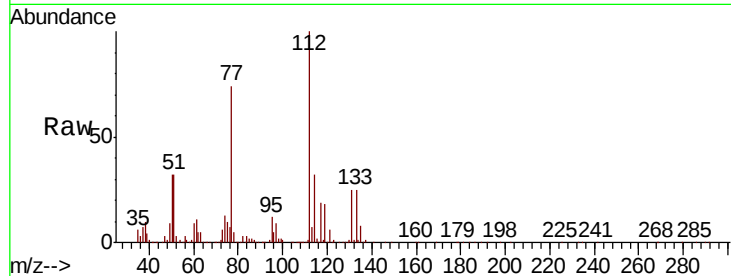
ClientSampleId :

VSTDCCC010

Tot Ion:	112	Resp:	2632354
Ion	Ratio	Lower	Upper
112	100		
77	73.5	56.1	84.1
114	31.9	28.3	34.5

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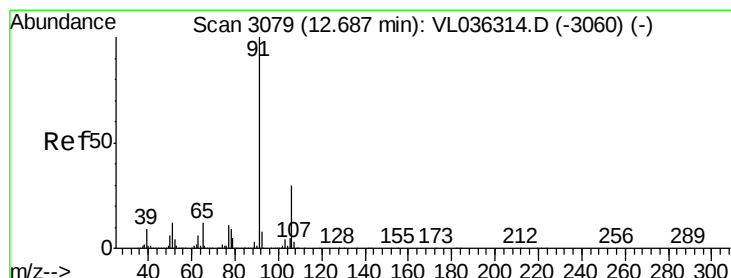
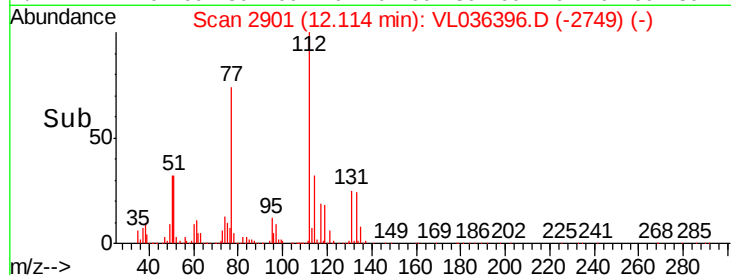
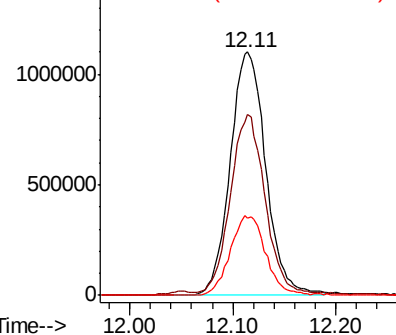
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.361 ppbv

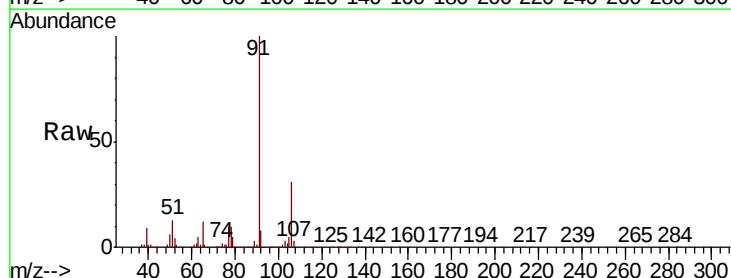
RT: 12.68 min Scan# 3076

Delta R.T. -0.01 min

Lab File: VL036396.D

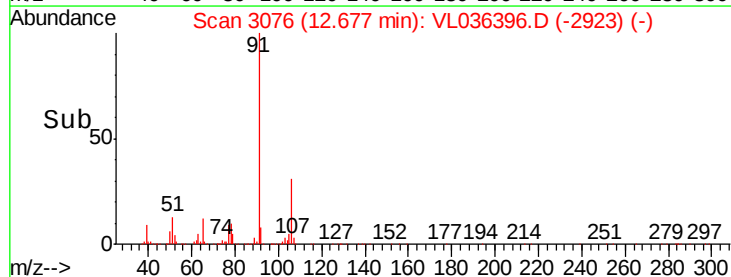
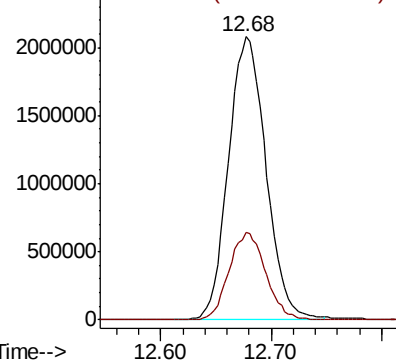
Acq: 26 Feb 2021 9:48

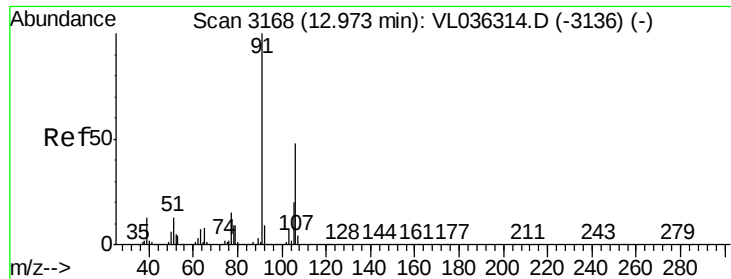
Tgt Ion:	91	Resp:	4906727
Ion	Ratio	Lower	Upper
91	100		
106	31.1	23.8	35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





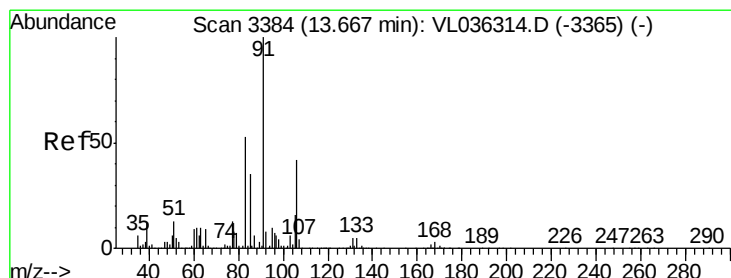
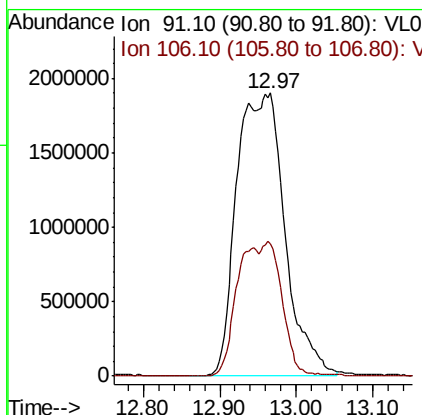
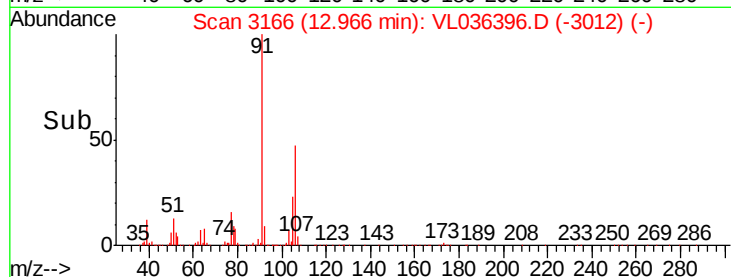
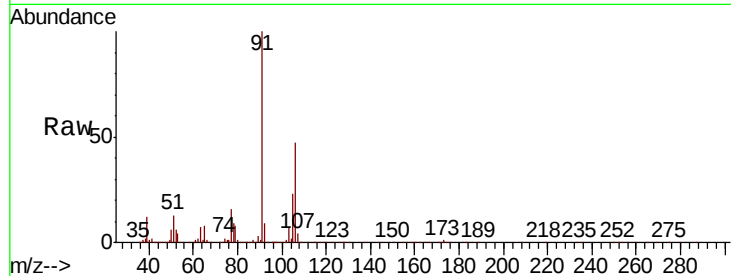
#59
m/p-Xylene
Concen: 19.925 ppbv m
RT: 12.97 min Scan# 3166
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8288277
Ion Ratio Lower Upper
91 100
106 43.7 34.2 51.2

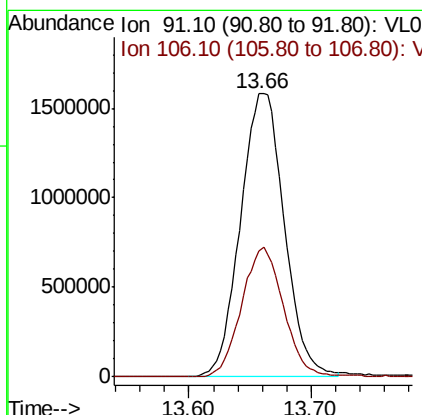
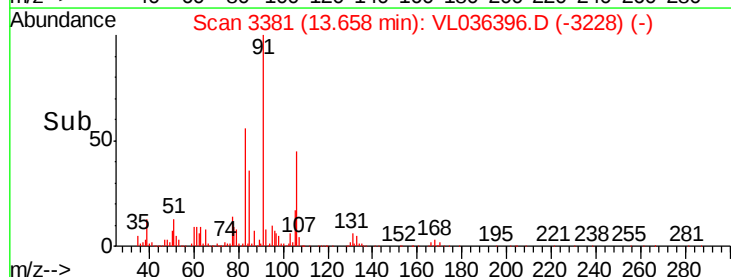
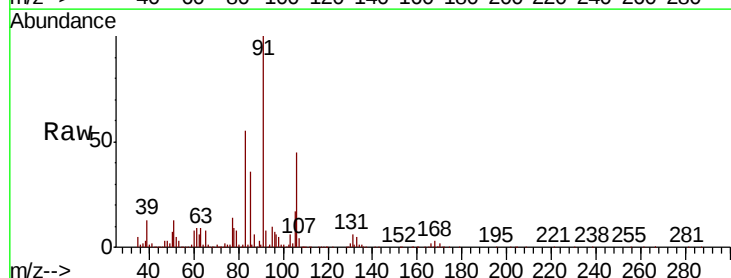
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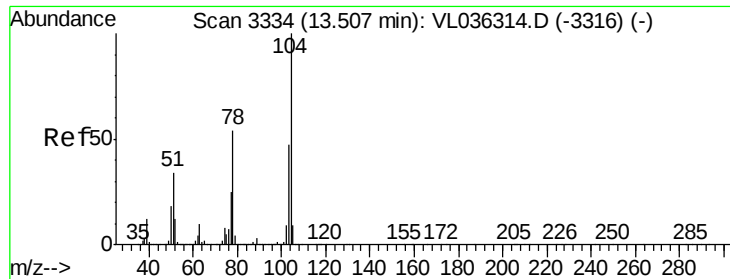
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#60
o-Xylene
Concen: 9.861 ppbv
RT: 13.66 min Scan# 3381
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion: 91 Resp: 3922031
Ion Ratio Lower Upper
91 100
106 44.2 22.0 66.0





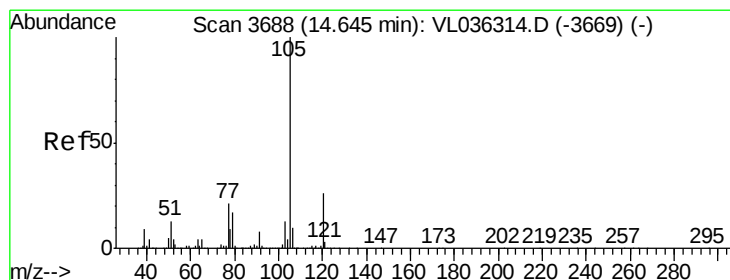
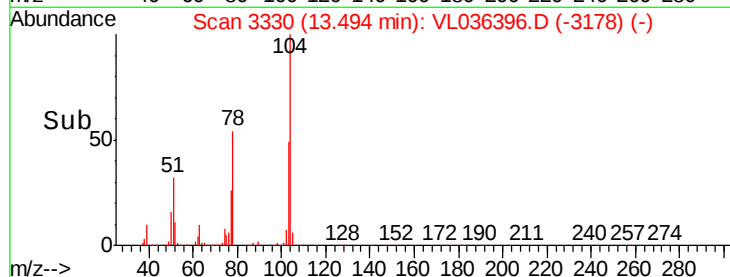
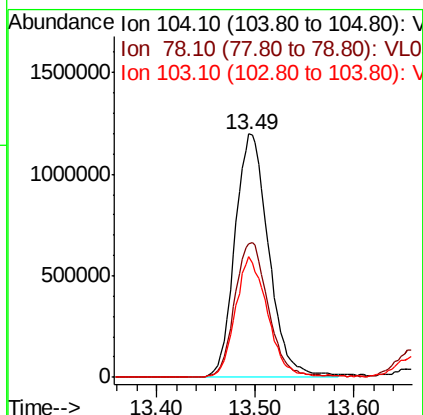
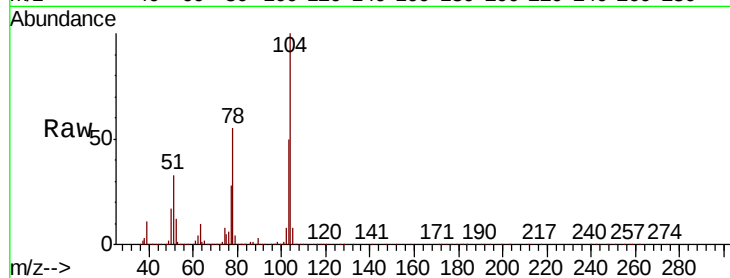
#61
Stvrene
Concen: 11.571 ppbv
RT: 13.49 min Scan# 3330
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.7	46.2	69.2
103	47.5	38.3	57.5

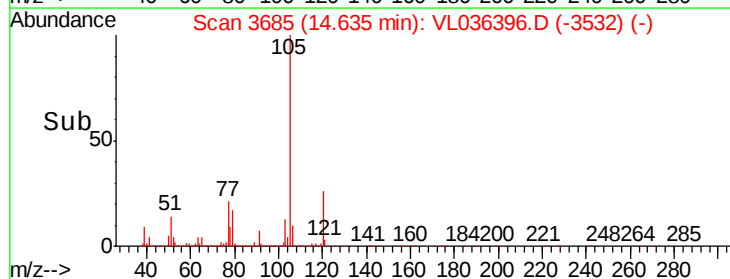
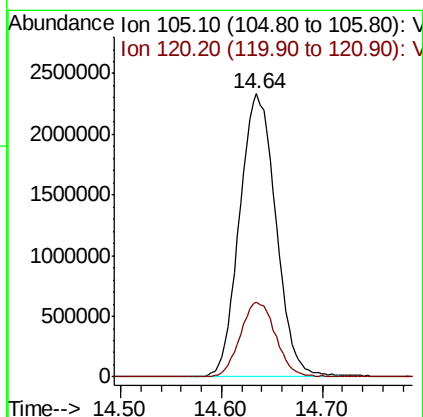
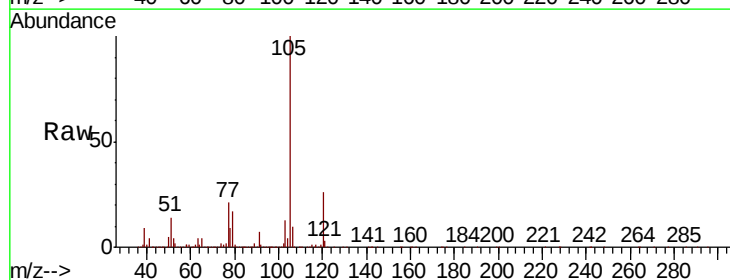
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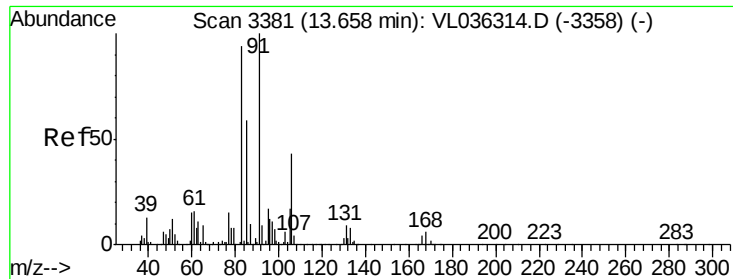
MMDadoda
3/1/2021 10:08:18 AM



#62
Isopropylbenzene
Concen: 9.782 ppbv
RT: 14.64 min Scan# 3685
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.6	30.8





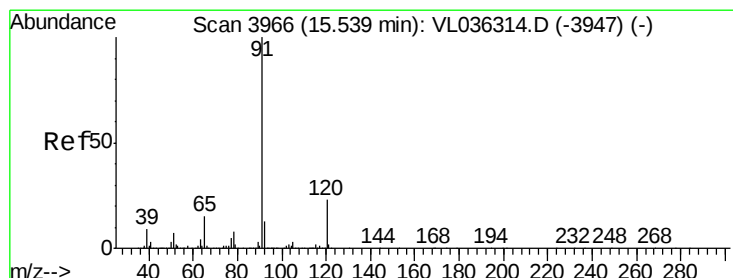
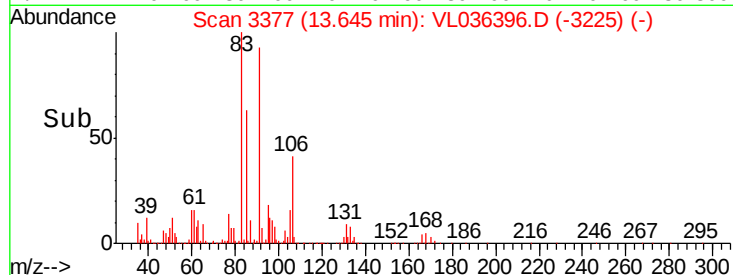
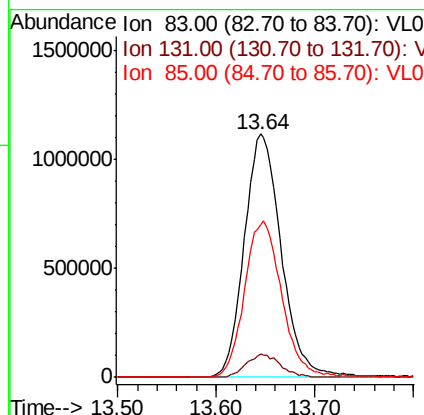
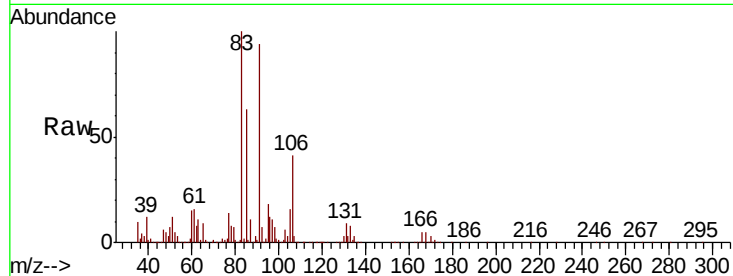
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.180 ppbv
 RT: 13.64 min Scan# 3377
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.0
85	65.2	33.0	98.9

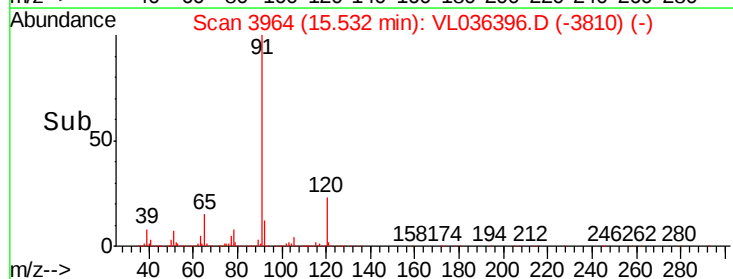
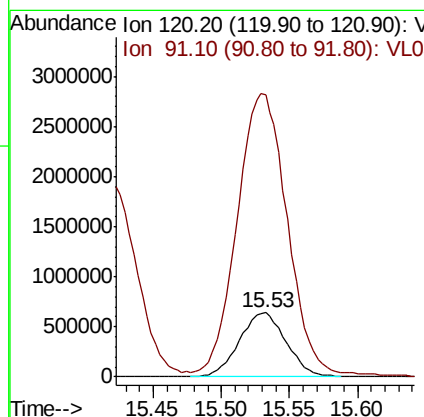
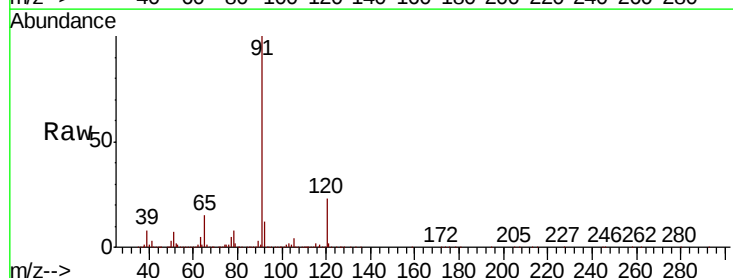
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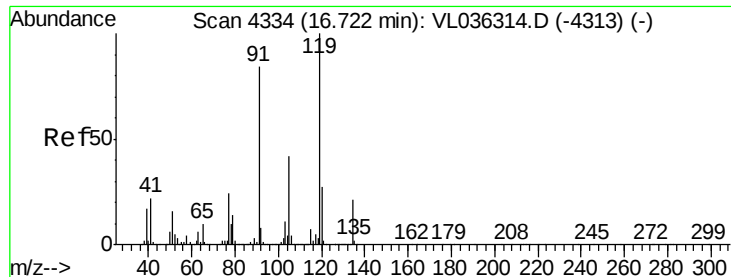
MMDadoda
 3/1/2021 10:08:18 AM



#64
 n-propylbenzene
 Concen: 10.397 ppbv
 RT: 15.53 min Scan# 3964
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Tgt Ion	Ratio	Lower	Upper
120	100		
91	479.7	387.2	580.8





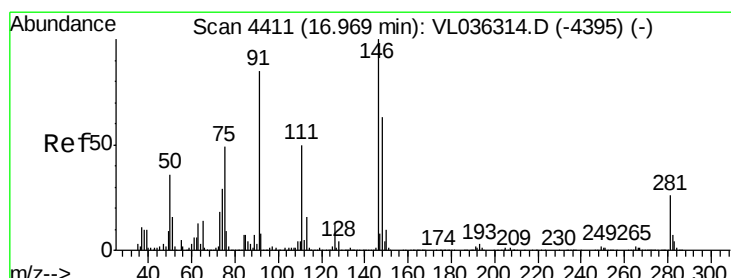
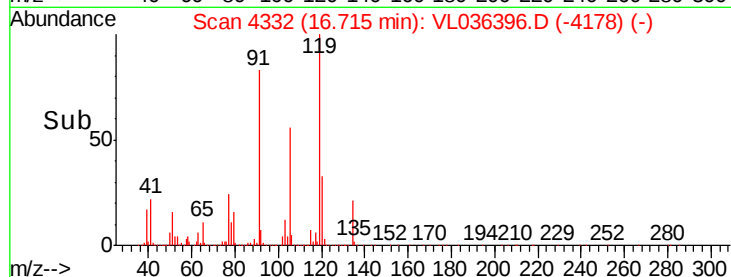
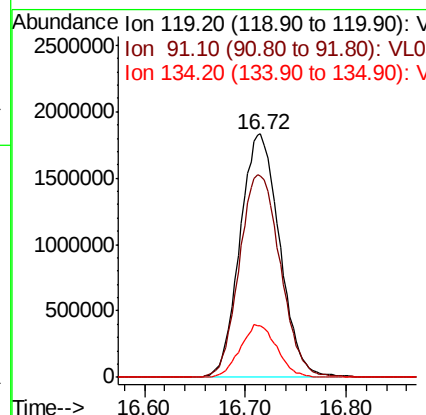
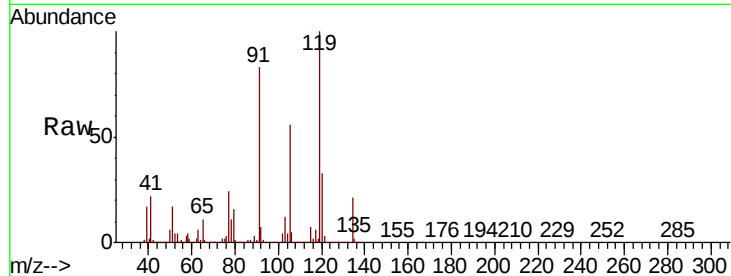
#65
tert-Butylbenzene
Concen: 9.775 ppbv
RT: 16.72 min Scan# 4332
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 119 Resp: 4985827
Ion Ratio Lower Upper
119 100
91 86.4 70.5 105.7
134 20.2 15.8 23.8

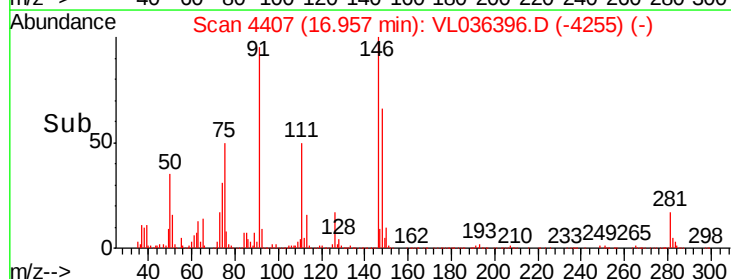
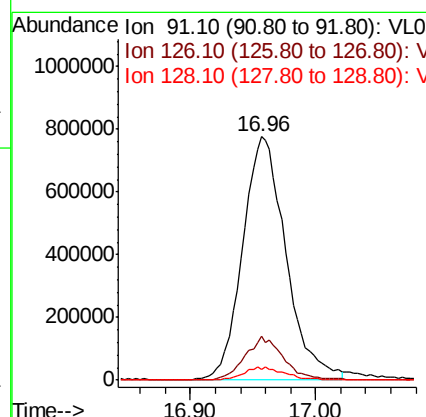
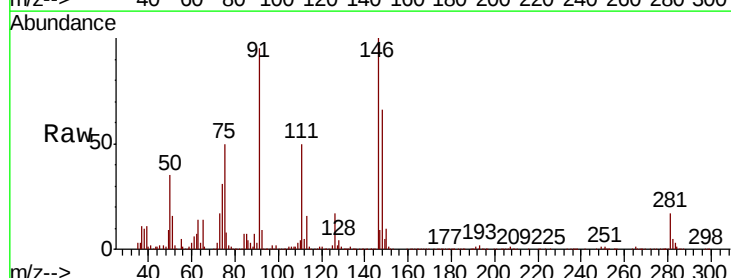
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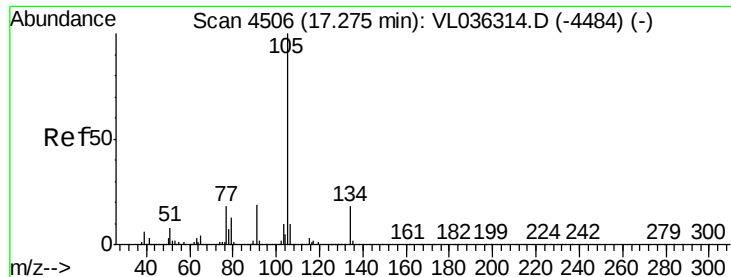
MMDadoda
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#66
Benzyl Chloride
Concen: 13.312 ppbv
RT: 16.96 min Scan# 4407
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion: 91 Resp: 1845871
Ion Ratio Lower Upper
91 100
126 16.4 12.9 19.3
128 5.1 4.2 6.2





#67

sec-Butylbenzene

Concen: 9.682 ppbv

RT: 17.26 min Scan# 4502

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 7121812

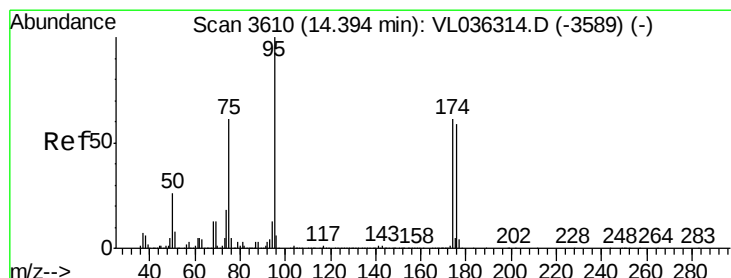
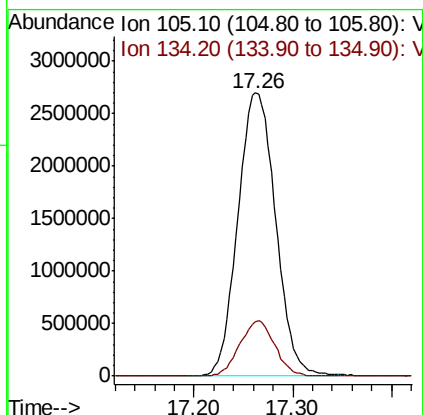
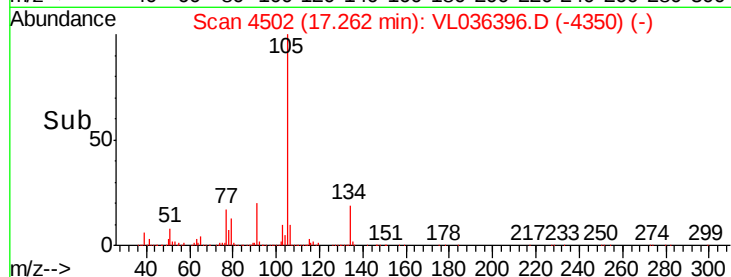
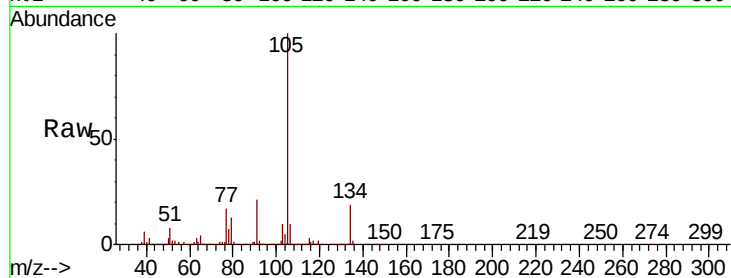
Ion Ratio Lower Upper

105 100

134 18.3 14.2 21.4

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.504 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

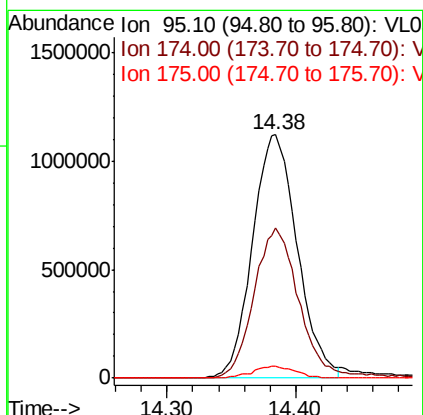
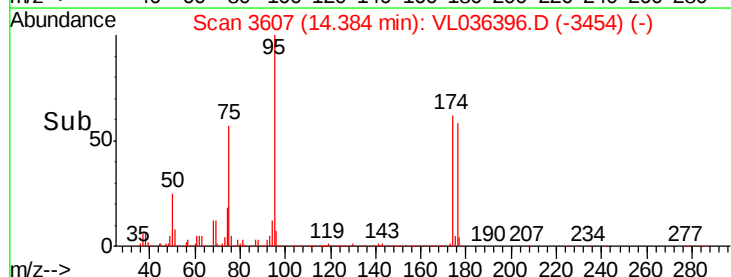
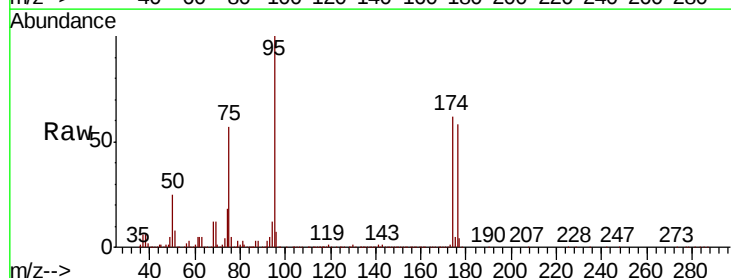
Tgt Ion: 95 Resp: 2704245

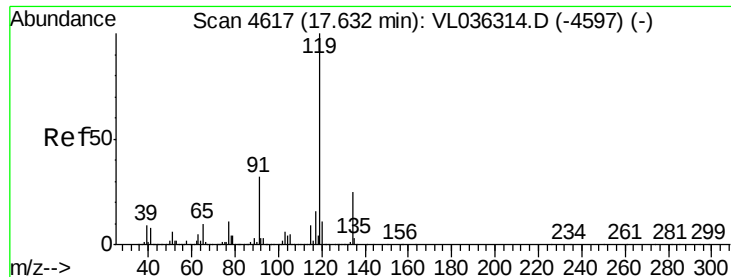
Ion Ratio Lower Upper

95 100

174 63.5 49.8 74.6

175 4.8 3.7 5.5





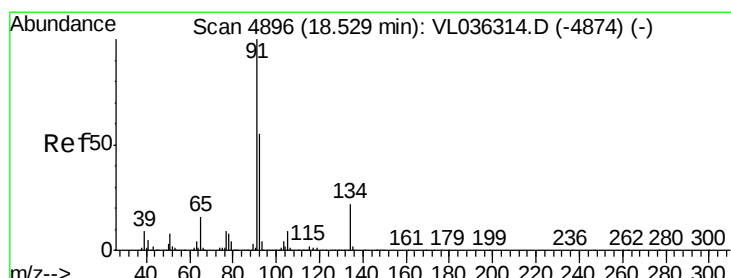
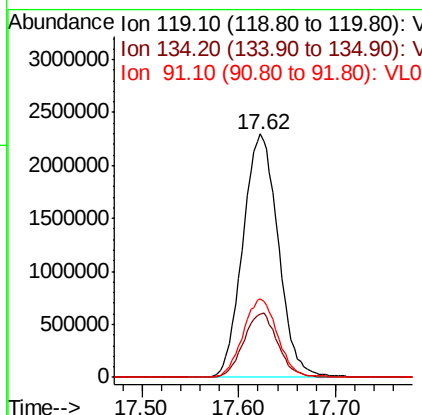
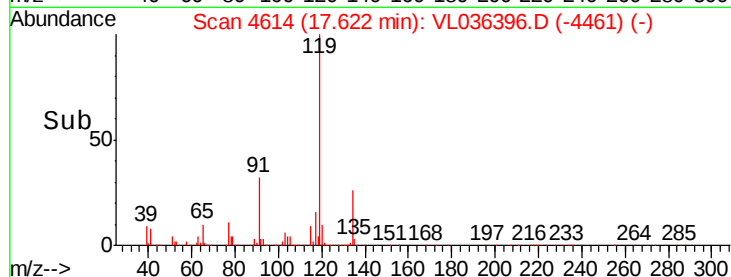
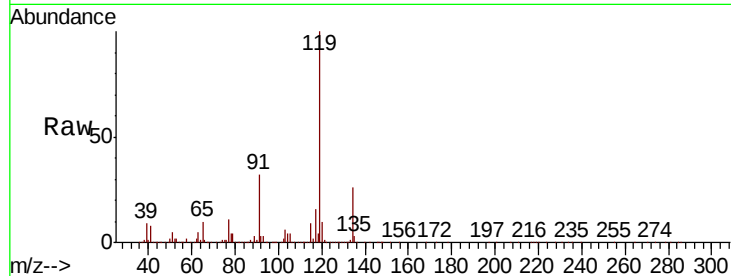
#69
p-Isopropyltoluene
Concen: 10.251 ppbv
RT: 17.62 min Scan# 4614
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.1	30.1
91	31.7	25.8	38.6

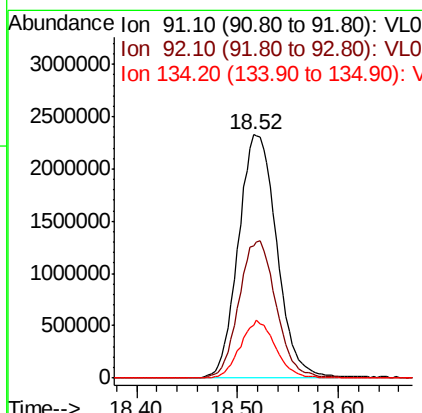
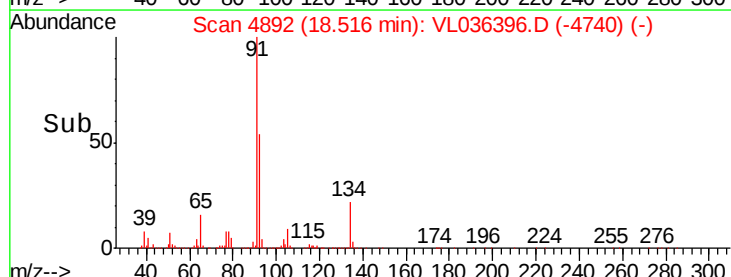
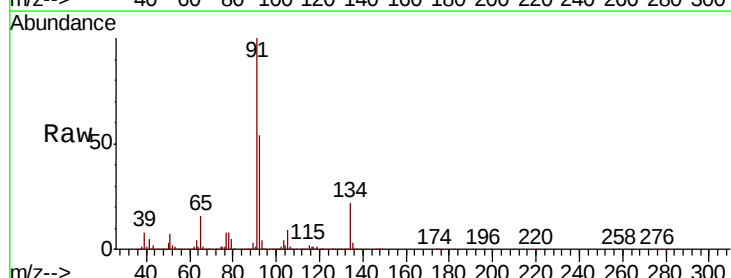
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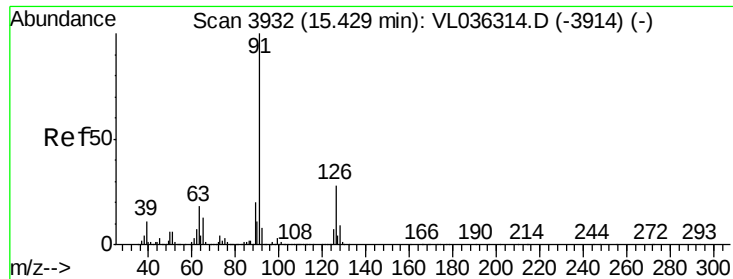
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#70
n-Butylbenzene
Concen: 10.070 ppbv
RT: 18.52 min Scan# 4892
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.0	43.7	65.5
134	21.8	17.4	26.0





#71

2-Chlorotoluene

Concen: 10.091 ppbv

RT: 15.42 min Scan# 3929

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4611588

Ion Ratio Lower Upper

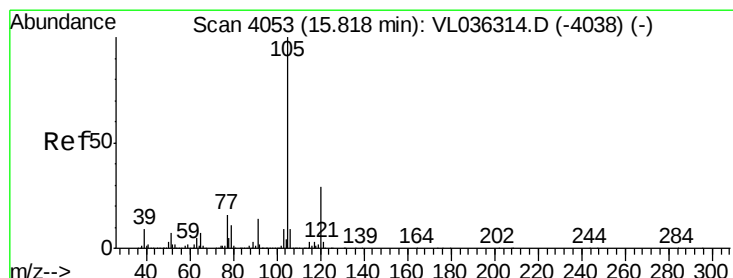
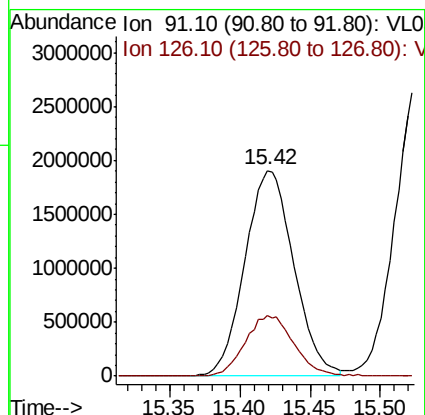
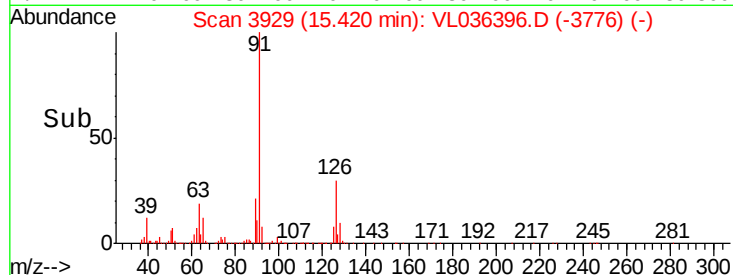
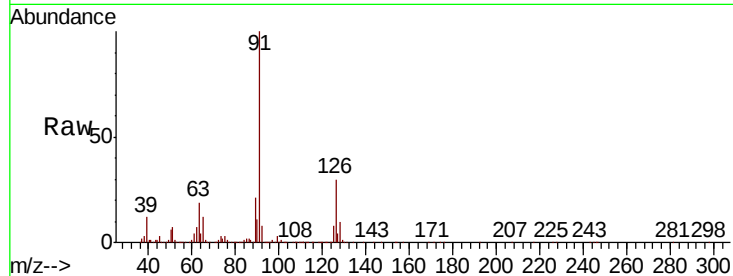
91 100

126 29.8 11.5 46.1

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#72

4-Ethyltoluene

Concen: 10.105 ppbv

RT: 15.81 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Tgt Ion: 105 Resp: 4472707

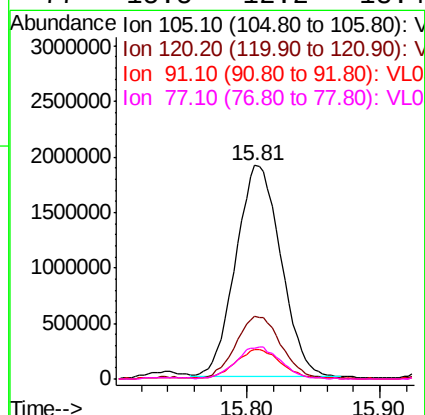
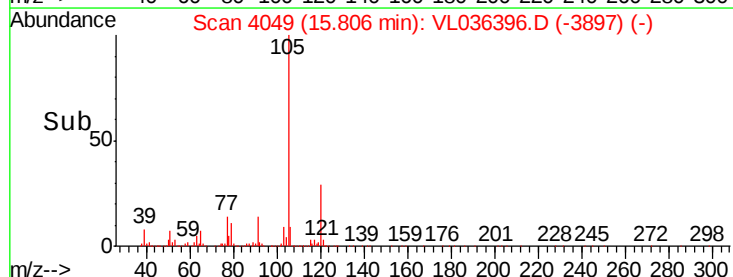
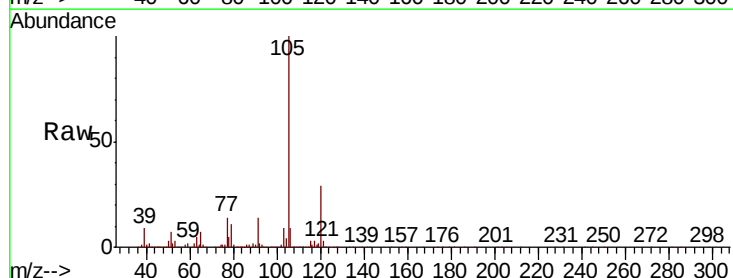
Ion Ratio Lower Upper

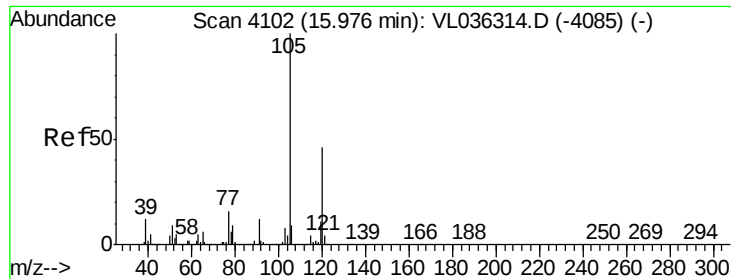
105 100

120 30.2 23.2 34.8

91 14.2 11.0 16.4

77 15.5 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 10.045 ppbv

RT: 15.97 min Scan# 4099

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4309908

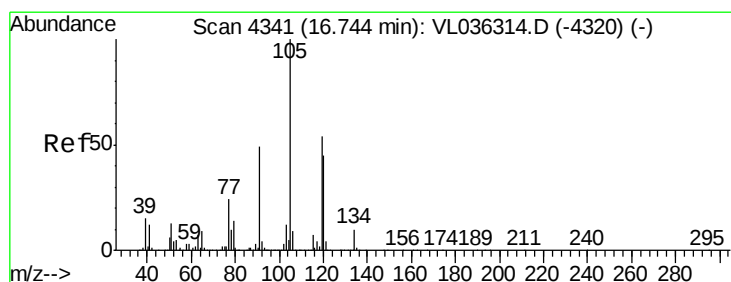
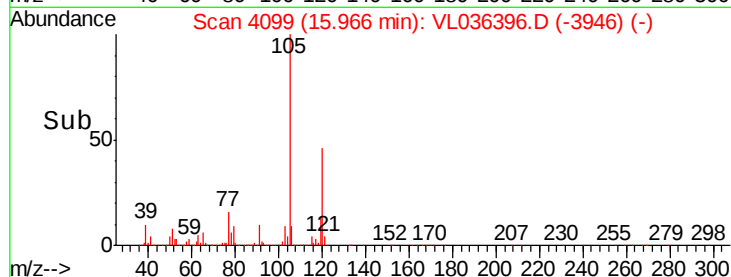
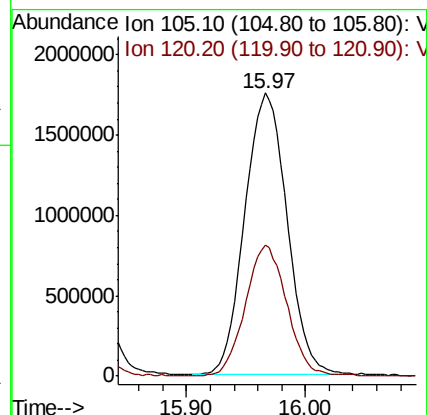
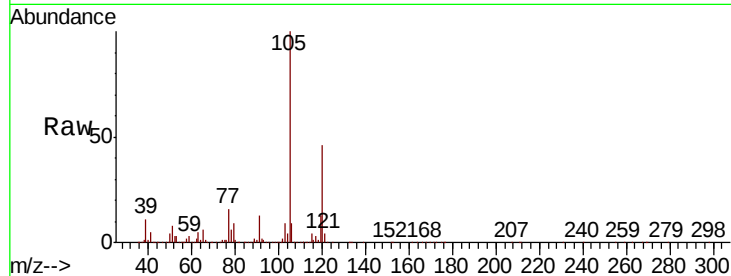
Ion Ratio Lower Upper

105 100

120 46.4 36.9 55.3

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#74

1,2,4-Trimethylbenzene

Concen: 9.986 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Tgt Ion:105 Resp: 4374122

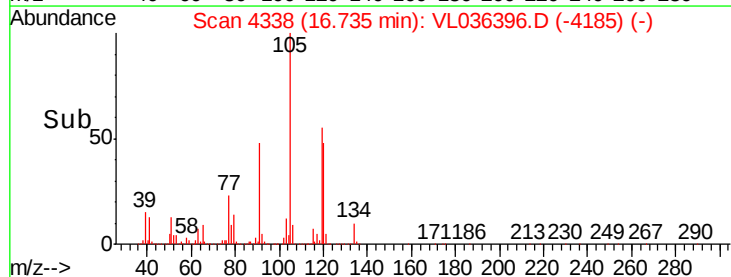
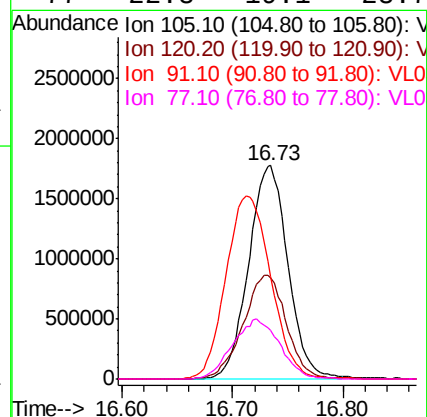
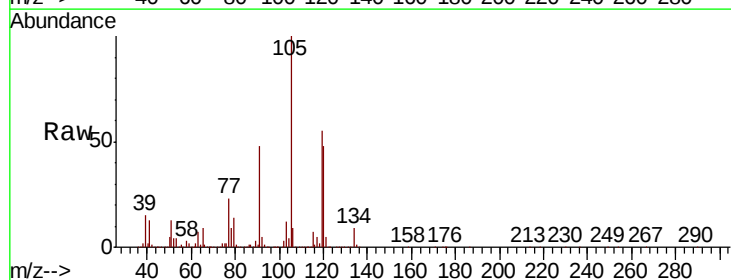
Ion Ratio Lower Upper

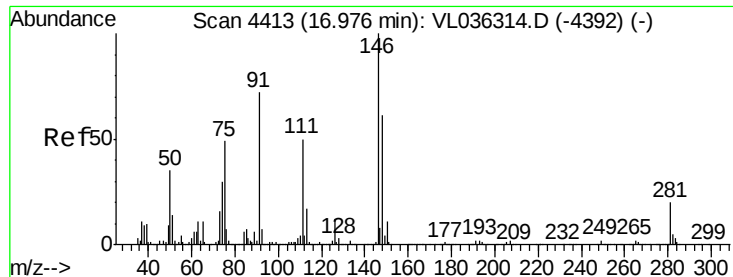
105 100

120 47.4 35.8 53.6

91 47.5 39.8 59.6

77 22.8 19.1 28.7





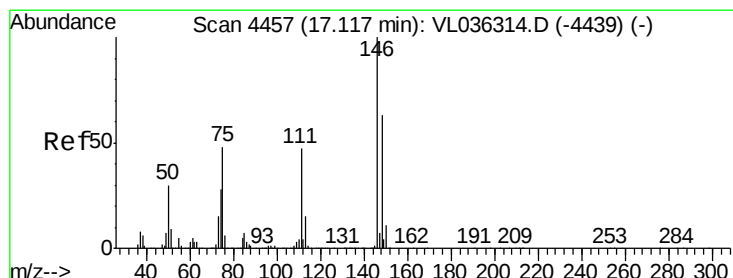
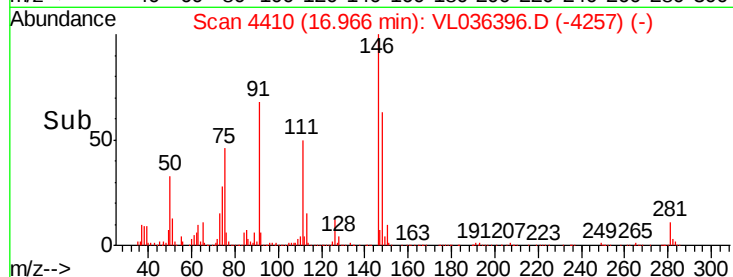
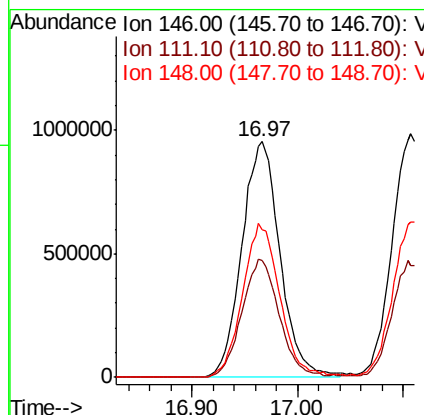
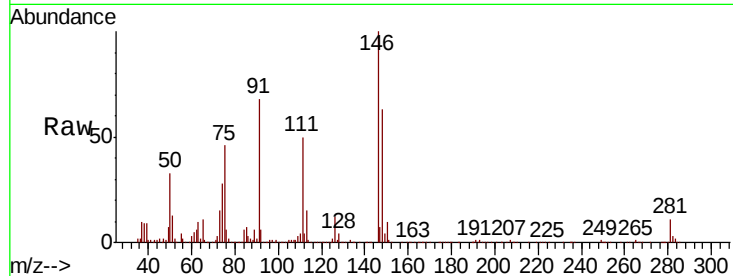
#75
1,3-Dichlorobenzene
Concen: 10.097 ppbv
RT: 16.97 min Scan# 4410
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.9	74.6
148	64.0	31.9	95.9

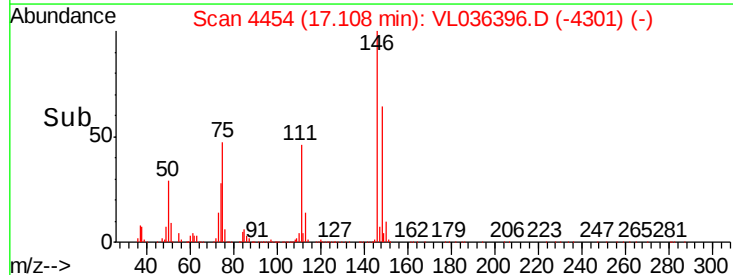
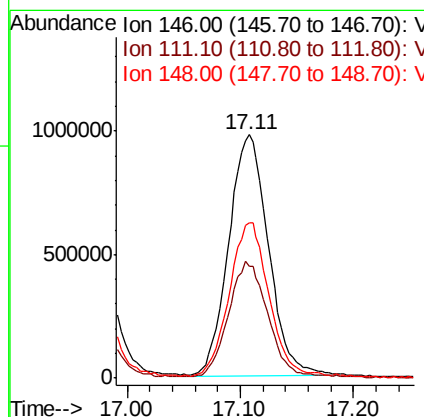
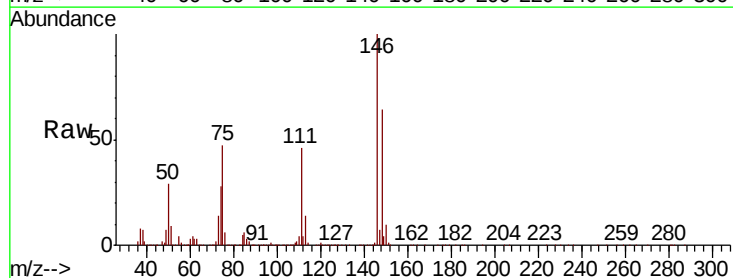
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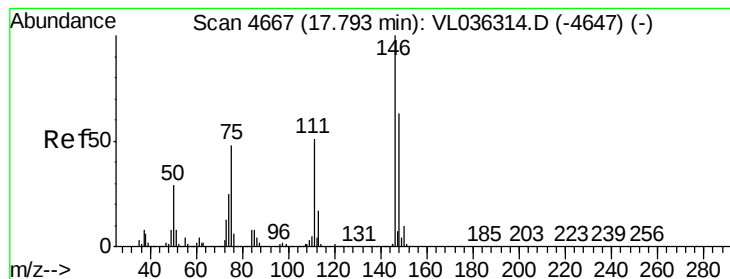
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#76
1,4-Dichlorobenzene
Concen: 9.641 ppbv
RT: 17.11 min Scan# 4454
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.0	23.6	71.0
148	66.0	31.6	95.0





#77

1,2-Dichlorobenzene

Concen: 9.961 ppbv

RT: 17.79 min Scan# 4665

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2349282

Ion Ratio Lower Upper

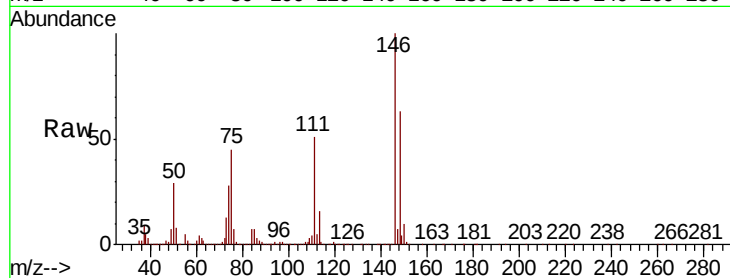
146 100

111 50.8 25.9 77.8

148 64.6 32.5 97.4

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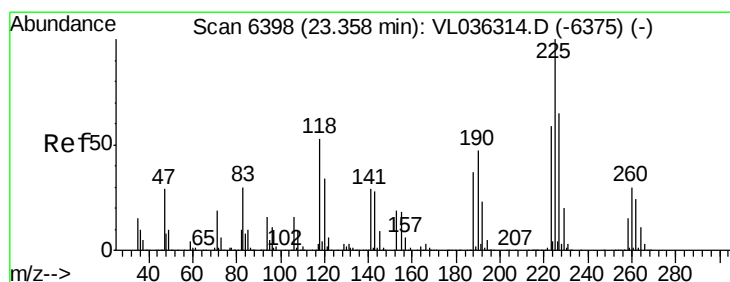
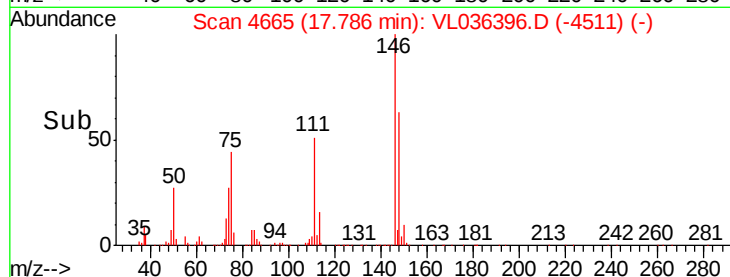
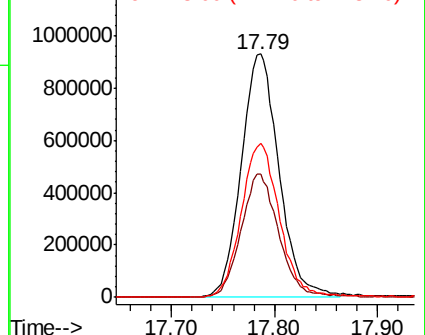


Abundance

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: 8.589 ppbv

RT: 23.34 min Scan# 6393

Delta R.T. -0.02 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

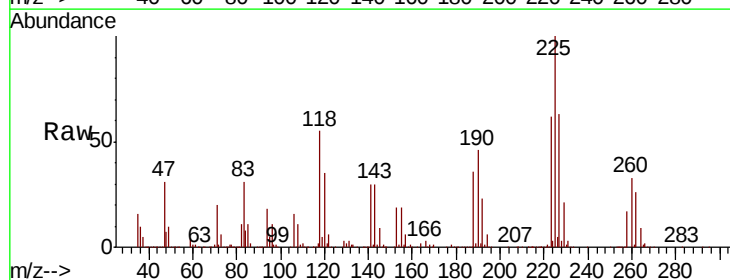
Tgt Ion:225 Resp: 1655011

Ion Ratio Lower Upper

225 100

223 63.8 50.8 76.2

227 64.4 52.2 78.2

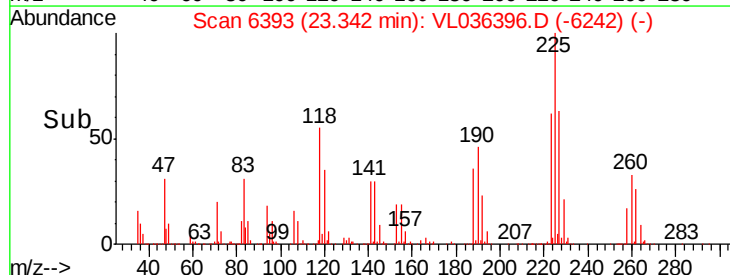
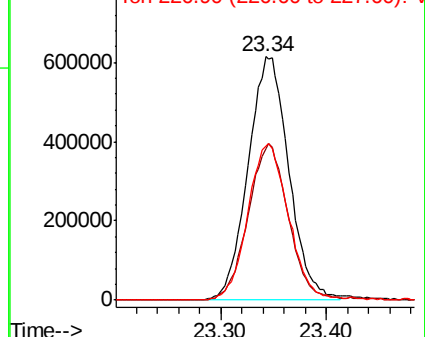


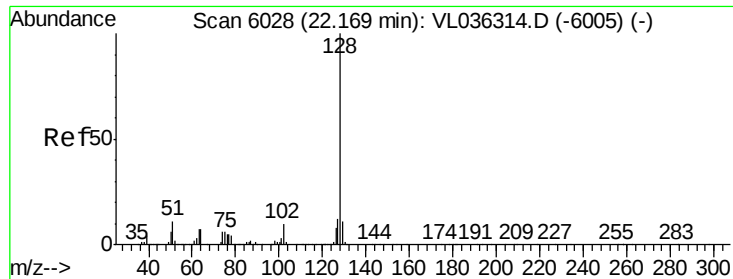
Abundance

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





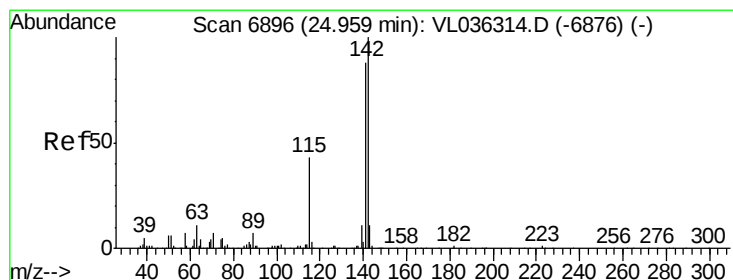
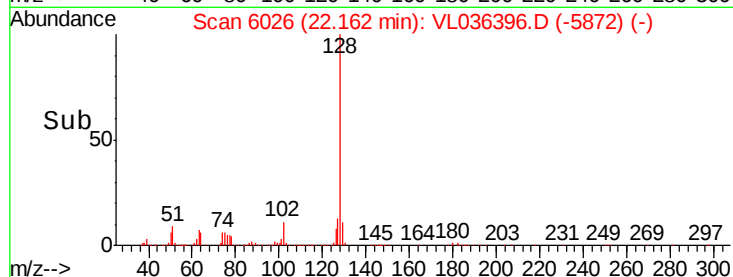
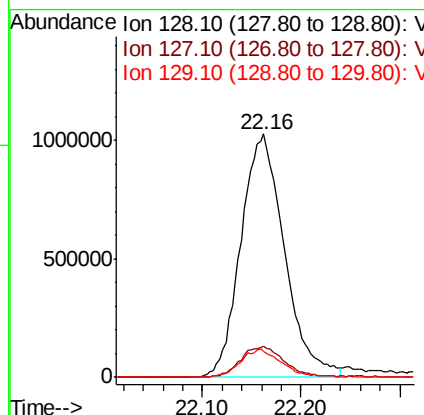
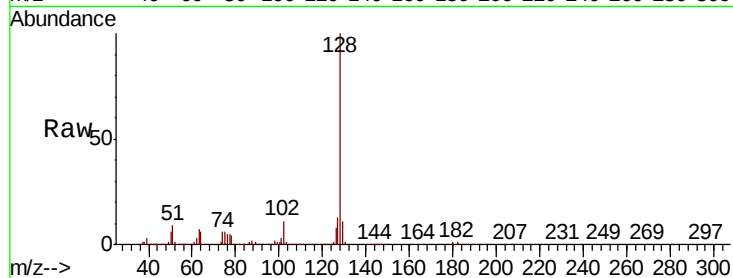
#79
Naphthalene
Concen: 12.109 ppbv
RT: 22.16 min Scan# 6026
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:128	Resp: 3144032		
Ion Ratio	Lower	Upper	
128	100		
127	12.9	9.6	14.4
129	10.6	8.5	12.7

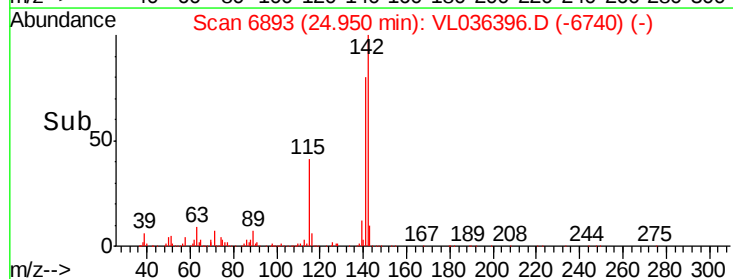
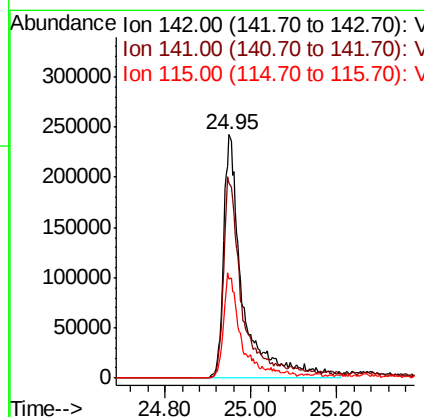
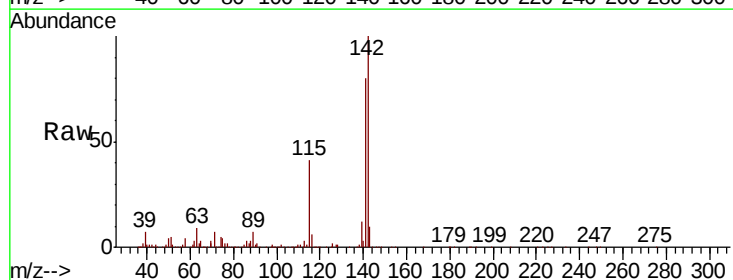
Manual Integrations
APPROVED

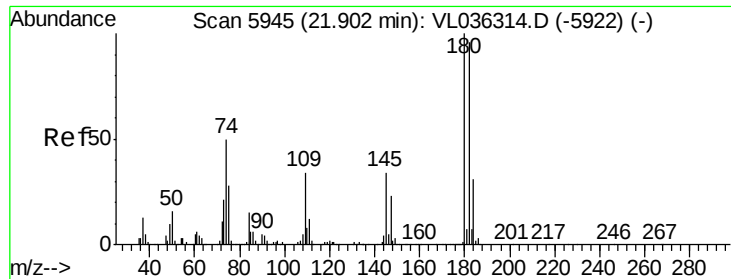
MMDadoda
3/1/2021 10:08:18 AM



#80
Naphthalene, 2-methyl-
Concen: 15.520 ppbv
RT: 24.95 min Scan# 6893
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion	Ion:142	Resp: 746147	
	Ratio	Lower	Upper
142	100		
141	82.1	64.4	96.6
115	41.2	34.6	51.8





#81
 1,2,4-Trichlorobenzene
 Concen: 10.260 ppbv
 RT: 21.89 min Scan# 5941
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.4	80.2	120.4
184	32.5	25.0	37.6

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:08:18 AM

