

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036344.D
 Acq On : 24 Feb 2021 9:42
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 2/26/2021 4:16:42 PM

Quant Time: Feb 25 05:32:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 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	5.66	49	1704450	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	3978779	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3836478	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	3145269	9.96	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2122418	8.344	ppbv	99
3) Chlorodifluoromethane	2.98	51	1982609	9.362	ppbv	98
4) Chloromethane	3.14	50	955553	9.339	ppbv	100
5) Vinyl Chloride	3.25	62	956926	10.044	ppbv	96
6) Bromomethane	3.47	94	556067	9.820	ppbv	99
7) Chloroethane	3.55	64	320269	9.467	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2175541	9.403	ppbv	97
9) Propene	3.01	41	898245	11.376	ppbv	100
10) Heptane	8.12	43	2297261	9.872	ppbv	100
11) Trichlorofluoromethane	3.95	101	2329185	9.351	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1509316	9.782	ppbv	100
13) Ethanol	3.60	45	173055m	11.669	ppbv	
14) Bromoethene	3.74	108	649386	10.056	ppbv	98
15) Acetone	3.84	43	1838976	8.826	ppbv	98
16) 1,3-Butadiene	3.32	39	929152	9.326	ppbv	98
17) tert-Butyl alcohol	4.29	59	1899679	11.746	ppbv	99
18) 1,1-Dichloroethene	4.29	96	661311	9.431	ppbv	97
19) Isopropyl Alcohol	3.96	45	1260349	10.919	ppbv	99
20) Methylene Chloride	4.34	84	584678	8.698	ppbv	90
21) Allyl Chloride	4.41	41	1097795	9.464	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	640398	10.054	ppbv	95
23) Vinyl Acetate	5.07	43	2390638	9.759	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1806501	9.971	ppbv	99
25) Ethyl Acetate	5.67	43	3807618	9.466	ppbv	99
26) Hexane	5.68	57	1585535	9.594	ppbv	99
27) Carbon Disulfide	4.55	76	1710352	11.261	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	2226759	10.314	ppbv	100
29) Chloroform	5.75	83	2542562	9.550	ppbv	100
30) Cyclohexane	7.13	84	1335715	9.718	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1601977	9.797	ppbv	93
32) 1,1,1-Trichloroethane	6.51	97	2494550	10.022	ppbv	99
34) 2-Butanone	5.24	43	2463972	9.321	ppbv	99
35) Carbon Tetrachloride	7.01	117	2521326	9.455	ppbv	98
36) Benzene	6.89	78	3320286	9.824	ppbv	99
37) 1,2-Dichloroethane	6.31	62	2005817	9.599	ppbv	100
38) Trichloroethene	7.83	130	1140656	9.421	ppbv	95
39) 1,2-Dichloropropane	7.61	63	1345255	9.798	ppbv	99
40) 1,4-Dioxane	7.83	88	491677m	10.336	ppbv	
41) Tetrahydrofuran	6.04	42	1468865	9.957	ppbv	99
42) Bromodichloromethane	7.79	83	2726379	9.742	ppbv	96
43) Methyl Methacrylate	8.01	69	1494908	10.488	ppbv	98

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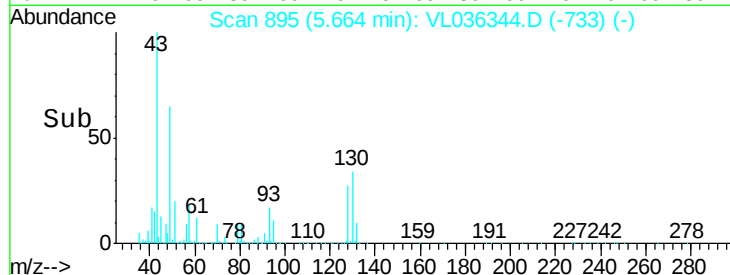
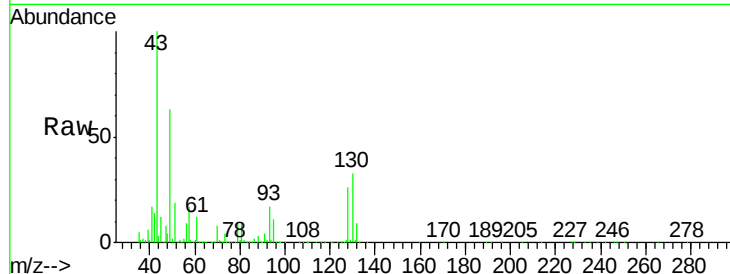
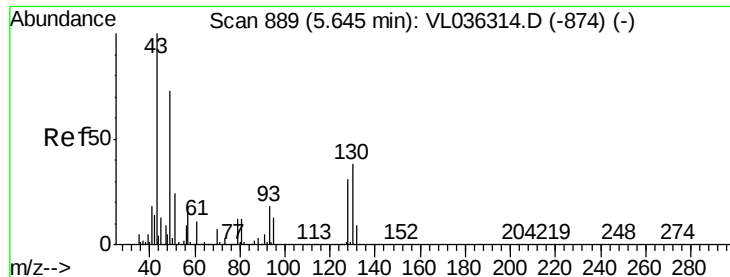
MMDadoda
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	5644617	9.185	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1613654	11.735	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1943166	11.125	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	1323087	9.416	ppbv	97
48) Dibromochloromethane	10.30	129	2162107	10.312	ppbv	98
49) Bromoform	13.04	173	1800121	10.620	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	3863756	9.845	ppbv	100
51) 2-Hexanone	10.13	43	3135477	10.515	ppbv #	100
52) Tetrachloroethene	11.22	164	1099941	8.890	ppbv	96
53) Toluene	9.81	91	3695196	10.094	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1973716	9.720	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	1631432	9.245	ppbv #	57
57) Chlorobenzene	12.15	112	2659713	8.973	ppbv	98
58) Ethyl Benzene	12.71	91	4982799	9.485	ppbv	98
59) m/p-Xylene	13.00	91	8431991m	18.273	ppbv	
60) o-Xylene	13.69	91	3946475	8.945	ppbv	100
61) Styrene	13.53	104	2822412	10.322	ppbv	99
62) Isopropylbenzene	14.67	105	5849873	8.846	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2817589	8.094	ppbv	99
64) n-propylbenzene	15.56	120	1530684	9.405	ppbv	100
65) tert-Butylbenzene	16.74	119	5036871	8.902	ppbv	98
66) Benzyl Chloride	16.99	91	1826647	11.875	ppbv	100
67) sec-Butylbenzene	17.30	105	7126213	8.733	ppbv	99
69) p-Isopropyltoluene	17.65	119	5862302	9.296	ppbv	99
70) n-Butylbenzene	18.55	91	6182370	9.142	ppbv	99
71) 2-Chlorotoluene	15.46	91	4601440	9.077	ppbv	97
72) 4-Ethyltoluene	15.84	105	4612603	9.394	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4315853	9.068	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4402804	9.061	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2357279	8.938	ppbv	98
76) 1,4-Dichlorobenzene	17.14	146	2376054	8.676	ppbv	96
77) 1,2-Dichlorobenzene	17.82	146	2357475	9.010	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1689450	7.904	ppbv	100
79) Naphthalene	22.20	128	3375980m	11.721	ppbv	
80) Naphthalene, 2-methyl-	24.98	142	1152403	21.608	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	1739545	9.899	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.02 min

Lab File: VL036344.D

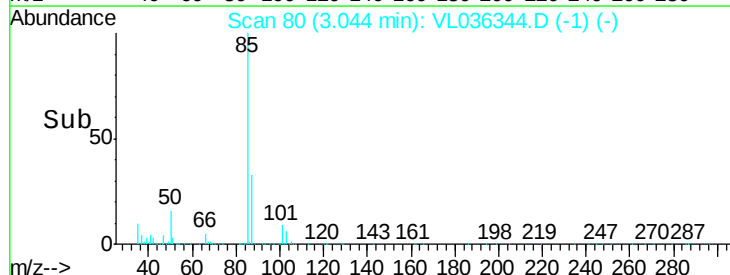
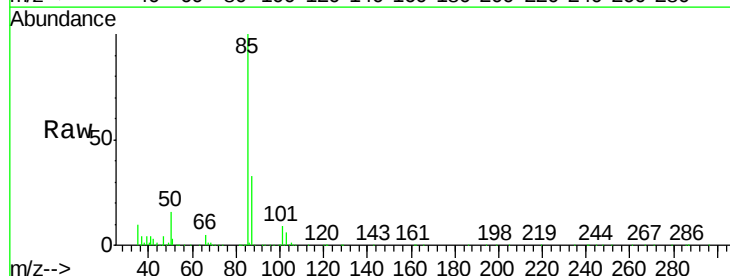
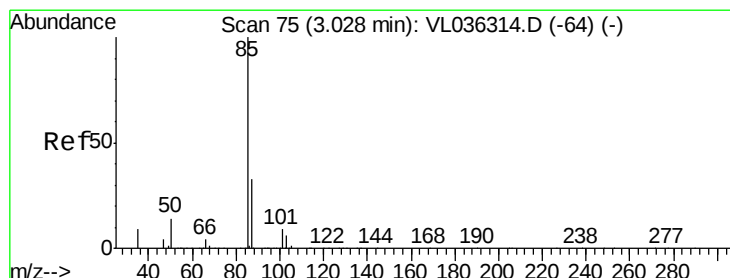
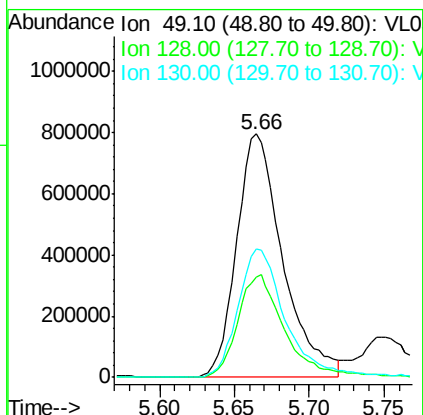
Acq: 24 Feb 2021 9:42

Tot Ion:	49	Resp:	1704450
Ion	Ratio	Lower	Upper
49	100		
128	43.5	20.8	62.5
130	55.0	26.7	80.1

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#2

Dichlorodifluoromethane

Concen: 8.344 ppbv

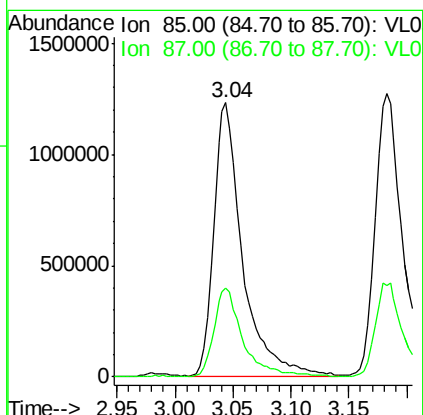
RT: 3.04 min Scan# 80

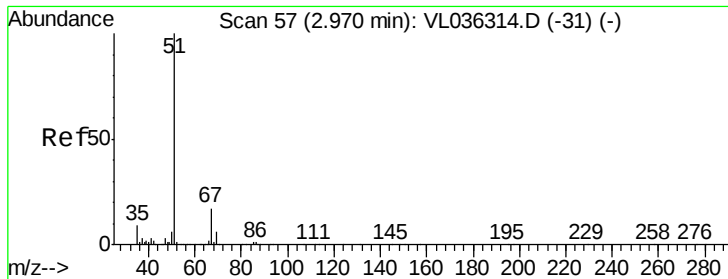
Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Tgt Ion:	85	Resp:	2122418
Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.5	39.7





#3

Chlorodifluoromethane

Concen: 9.362 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1982609

Ion Ratio Lower Upper

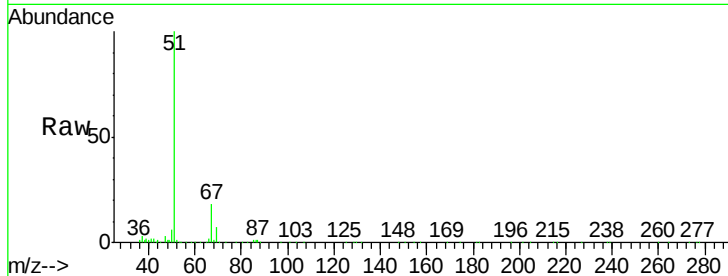
51 100

67 17.5 14.7 22.1

Manual Integrations
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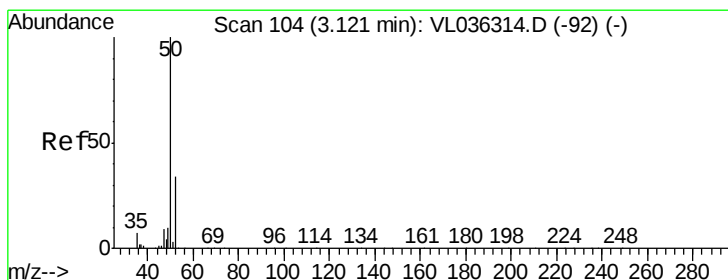
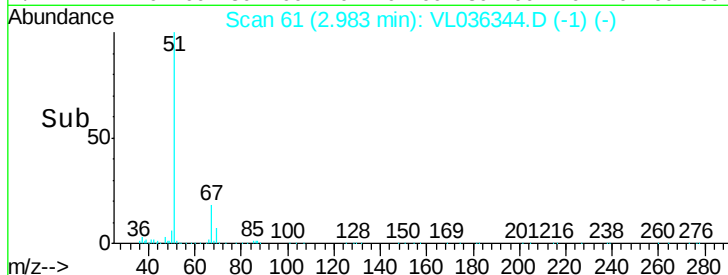
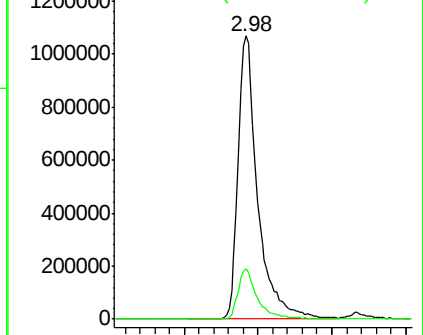
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.339 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.02 min

Lab File: VL036344.D

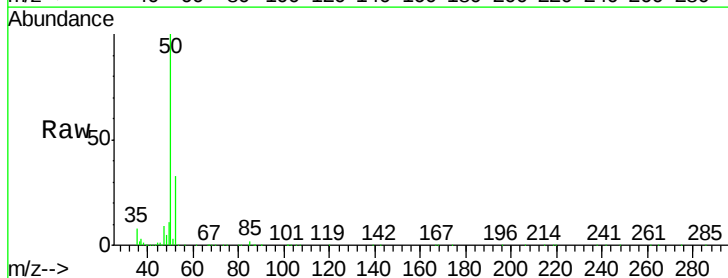
Acq: 24 Feb 2021 9:42

Tgt Ion: 50 Resp: 955553

Ion Ratio Lower Upper

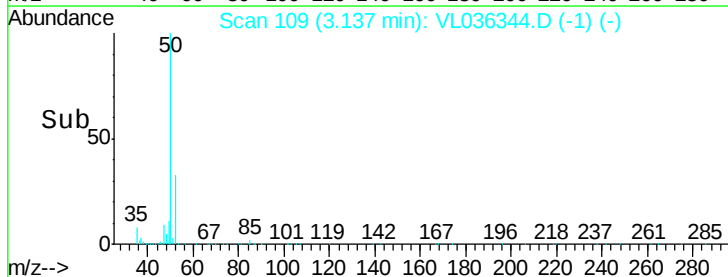
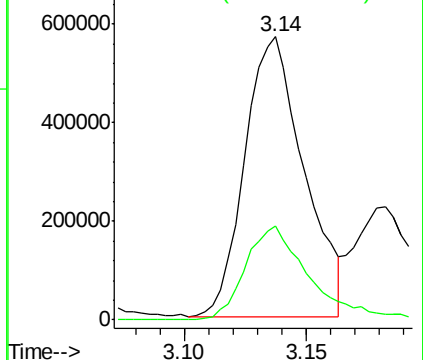
50 100

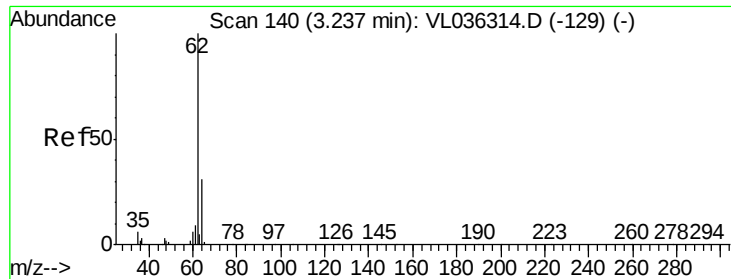
52 33.4 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.044 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 956926

Ion Ratio Lower Upper

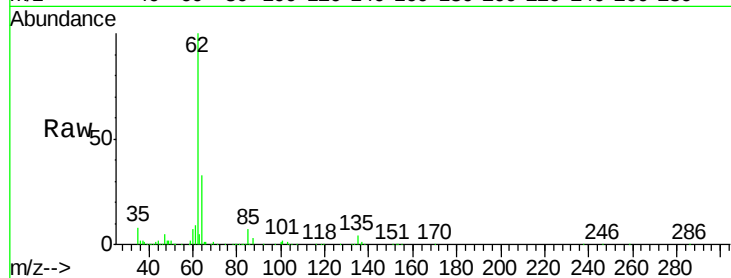
62 100

64 32.6 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

3.25

600000

500000

400000

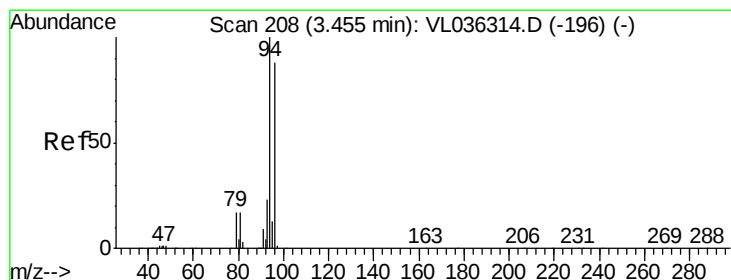
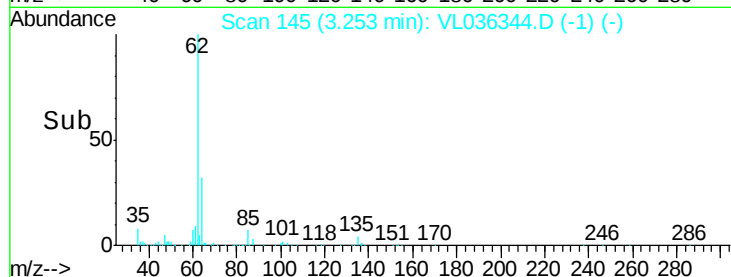
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.820 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.01 min

Lab File: VL036344.D

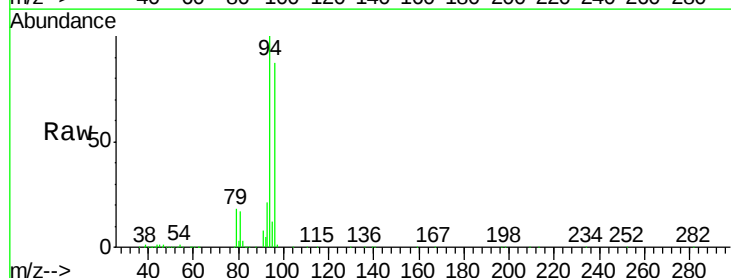
Acq: 24 Feb 2021 9:42

Tgt Ion: 94 Resp: 556067

Ion Ratio Lower Upper

94 100

96 87.1 70.8 106.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

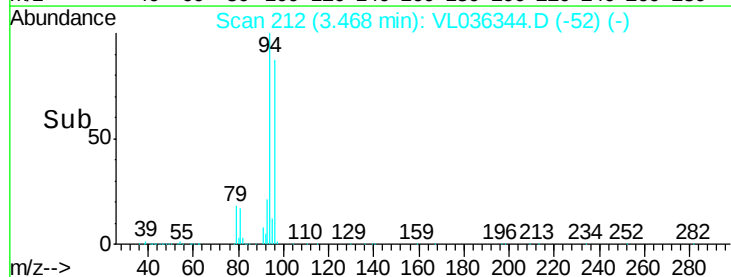
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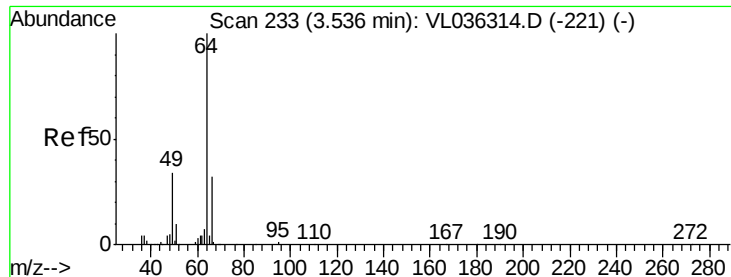
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.467 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 320269

Ion Ratio Lower Upper

64 100

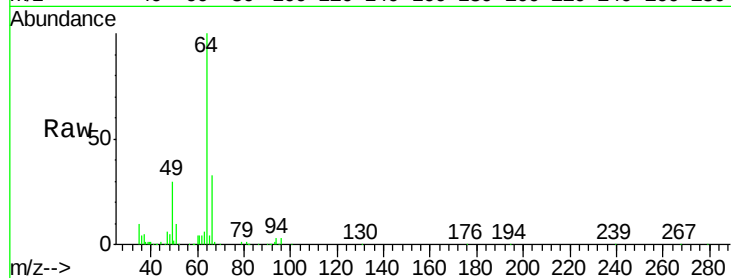
66 32.9 25.6 38.4

Manual Integrations

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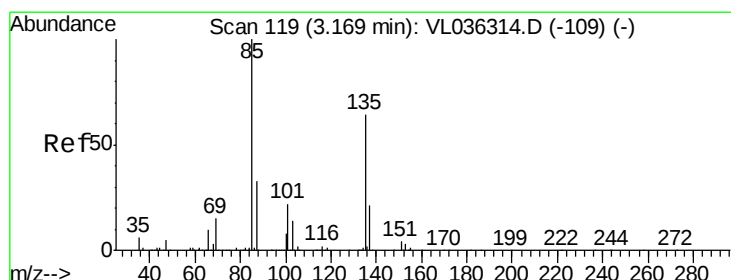
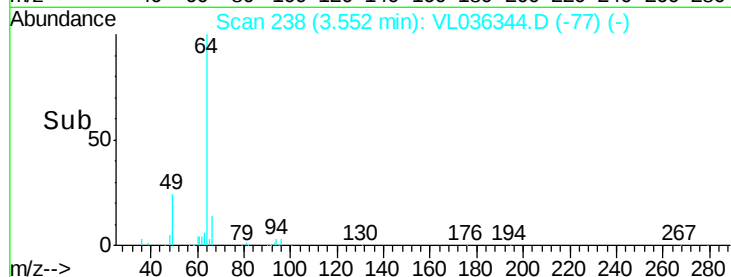
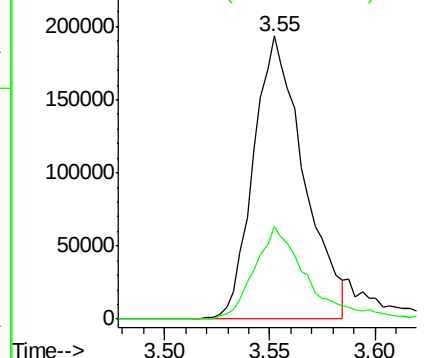
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.403 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL036344.D

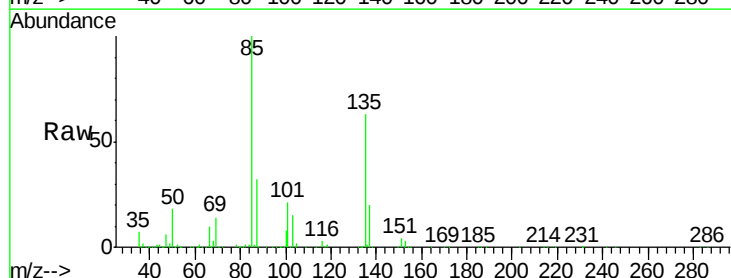
Acq: 24 Feb 2021 9:42

Tgt Ion: 85 Resp: 2175541

Ion Ratio Lower Upper

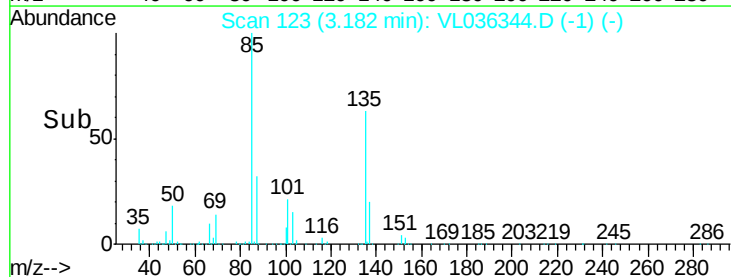
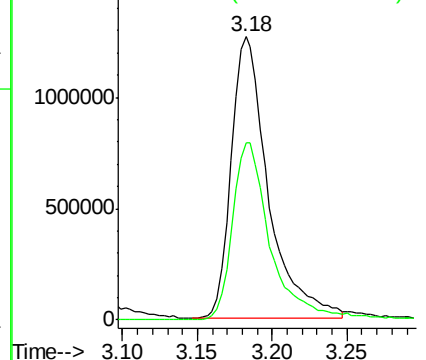
85 100

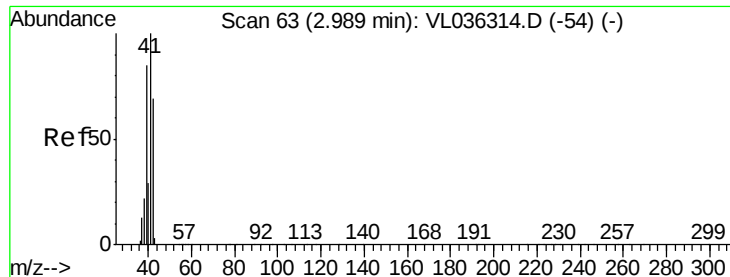
135 65.9 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 11.376 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

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Tot Ion: 41 Resp: 898245

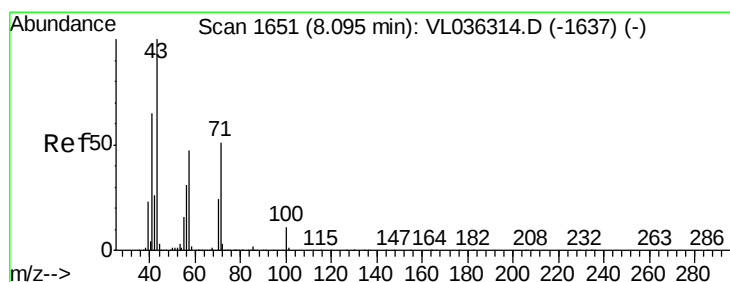
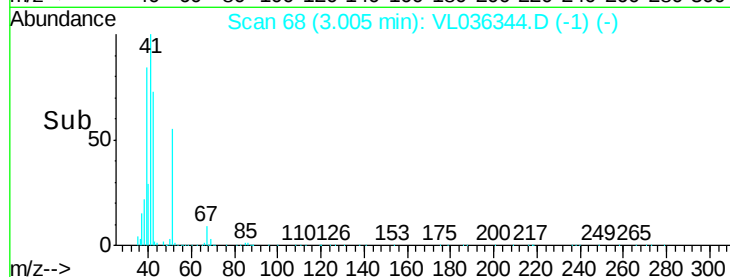
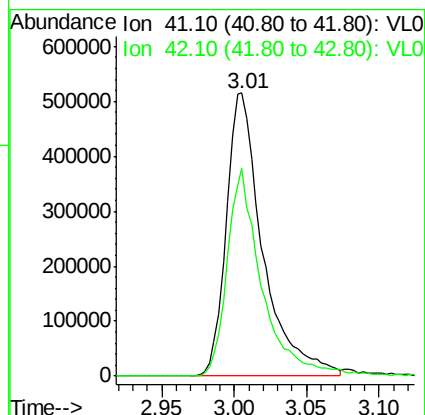
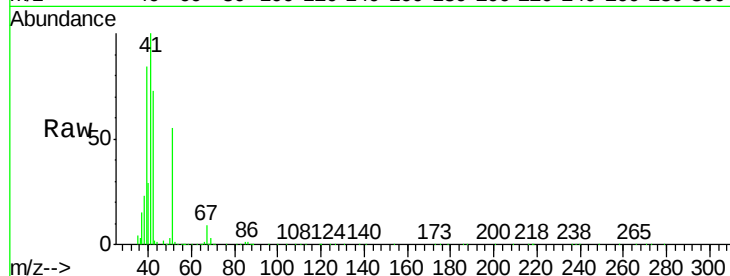
Ion Ratio Lower Upper

41 100

42 70.5 56.2 84.2

Manual Integrations
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#10

Heptane

Concen: 9.872 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.02 min

Lab File: VL036344.D

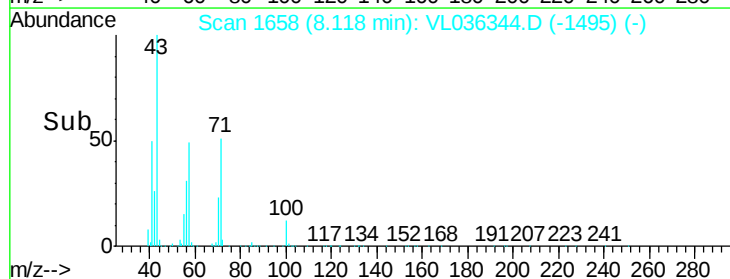
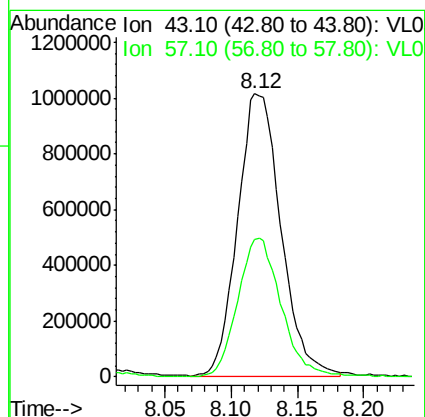
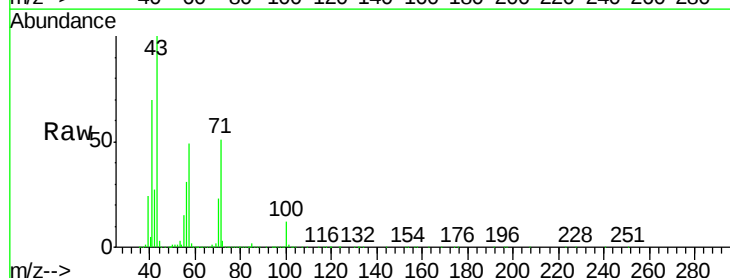
Acq: 24 Feb 2021 9:42

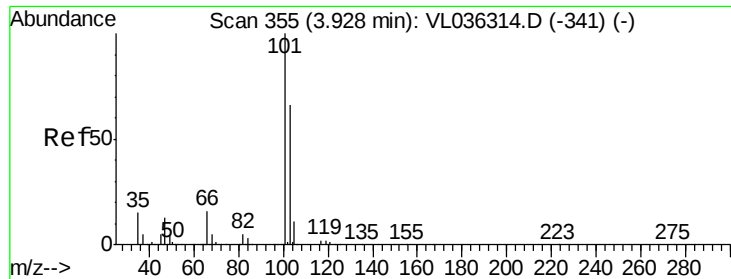
Tgt Ion: 43 Resp: 2297261

Ion Ratio Lower Upper

43 100

57 49.4 39.4 59.2





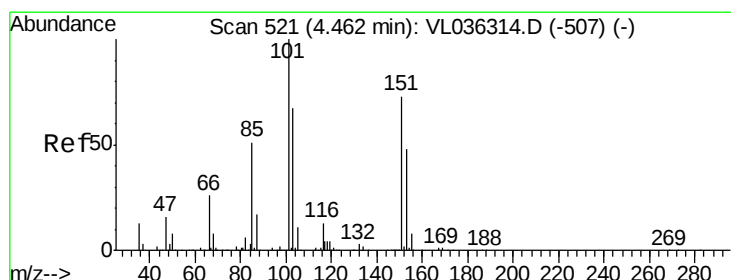
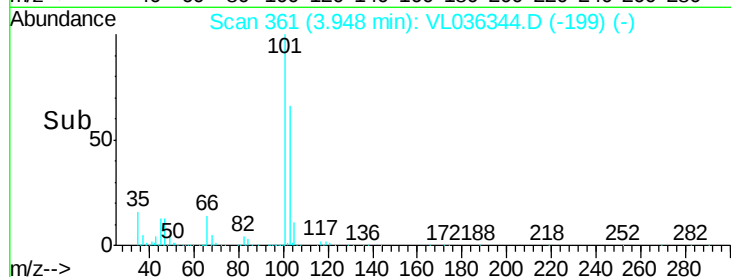
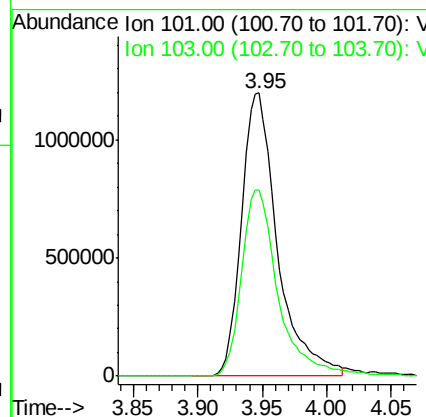
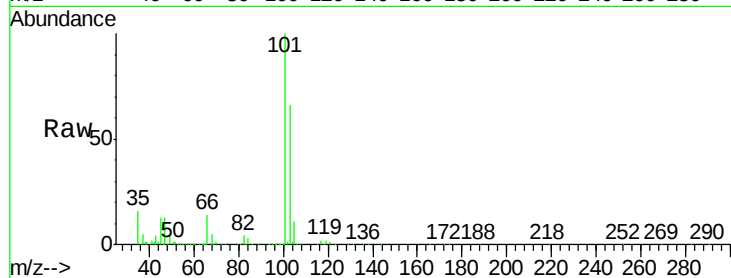
#11
 Trichlorofluoromethane
 Concen: 9.351 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2329185
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.9 79.3

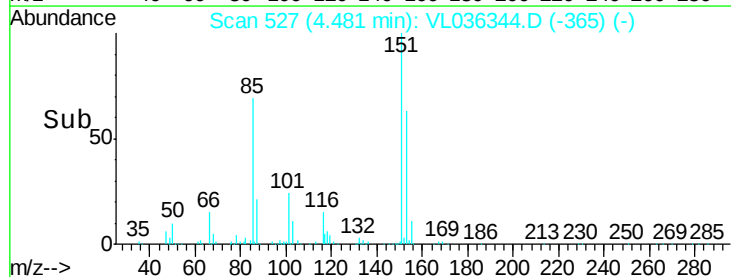
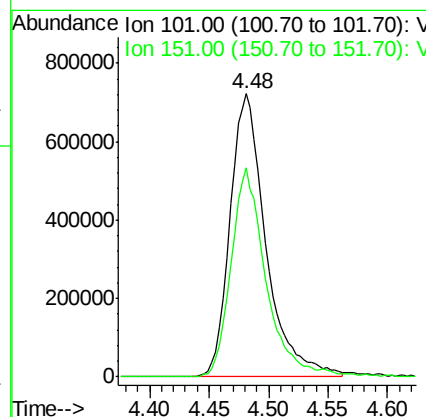
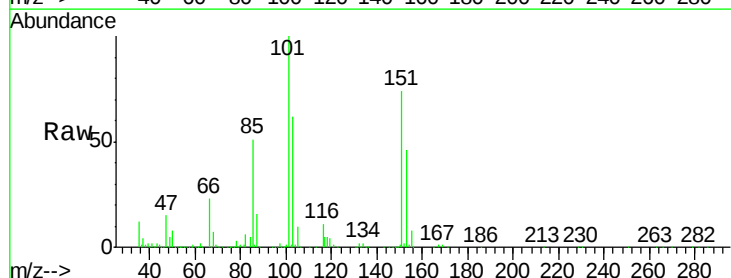
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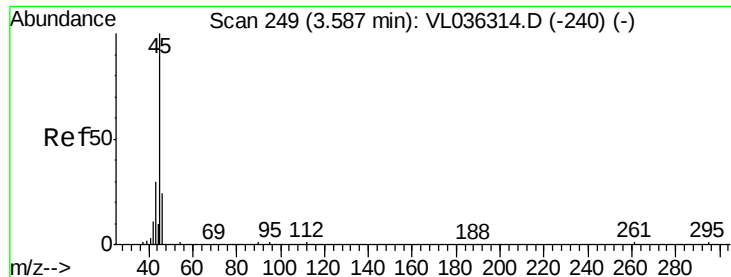
MMDadoda
 2/26/2021 4:16:42 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.782 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Tgt Ion:101 Resp: 1509316
 Ion Ratio Lower Upper
 101 100
 151 72.4 58.2 87.4





#13

Ethanol

Concen: 11.669 ppbv m

RT: 3.60 min Scan# 253

Delta R.T. 0.01 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 173055

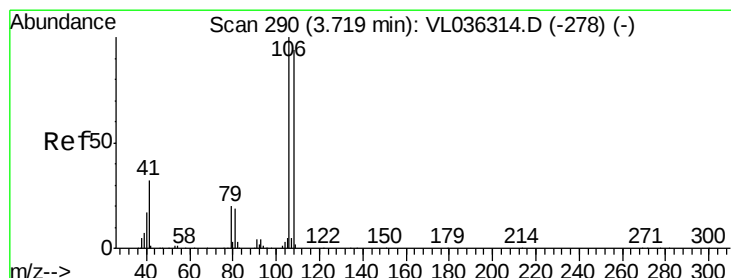
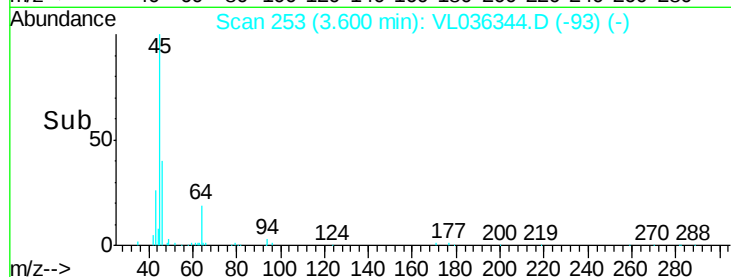
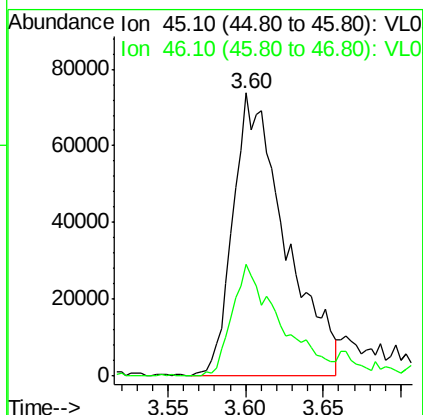
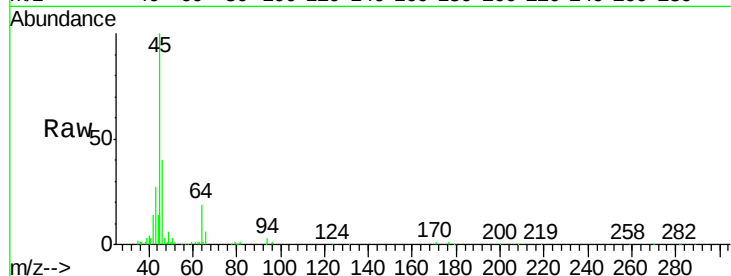
Ion Ratio Lower Upper

45 100

46 40.9 17.7 70.7

Manual Integrations
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#14

Bromoethene

Concen: 10.056 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

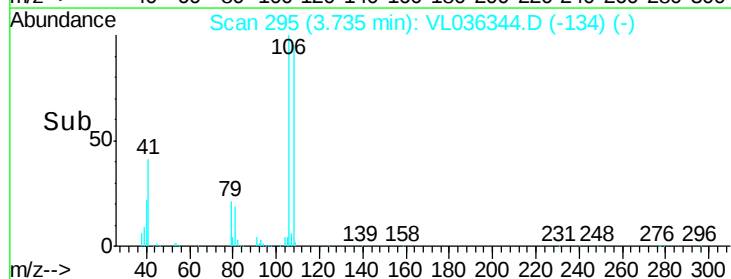
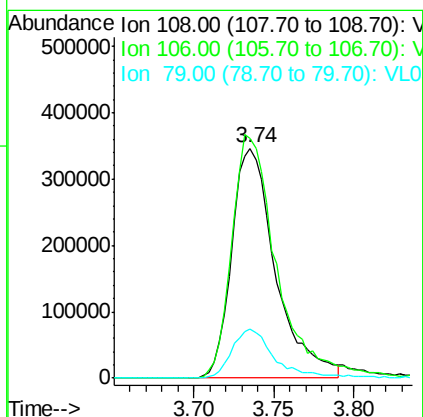
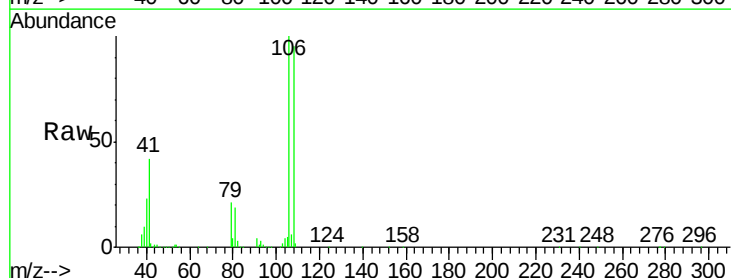
Tgt Ion: 108 Resp: 649386

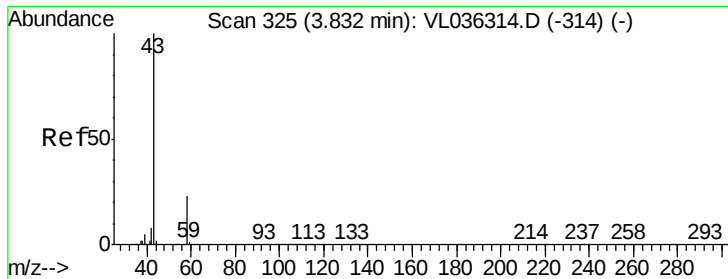
Ion Ratio Lower Upper

108 100

106 110.4 89.8 134.8

79 21.2 17.1 25.7





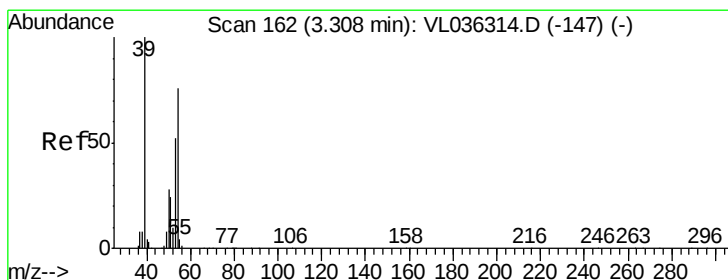
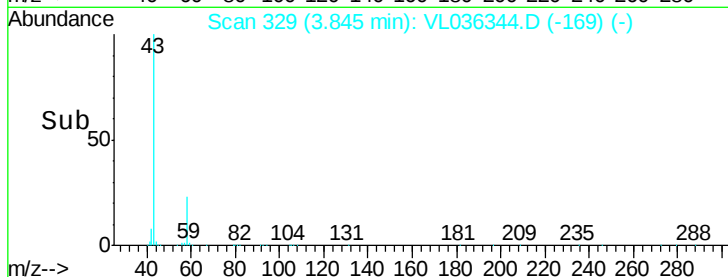
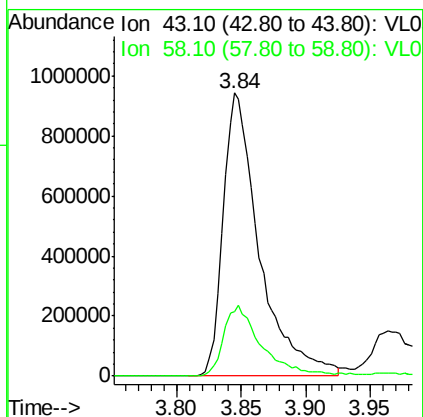
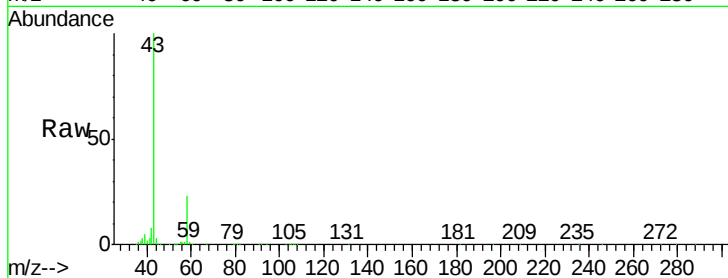
#15
Acetone
Concen: 8.826 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1838976
Ion Ratio Lower Upper
43 100
58 26.3 20.3 30.5

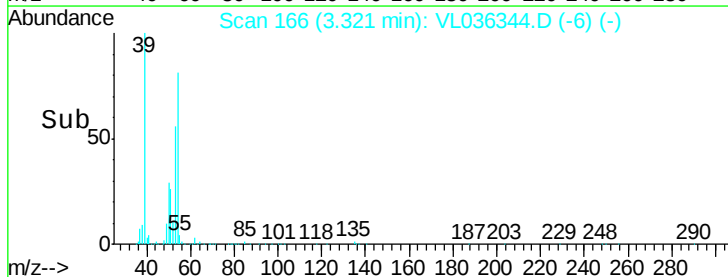
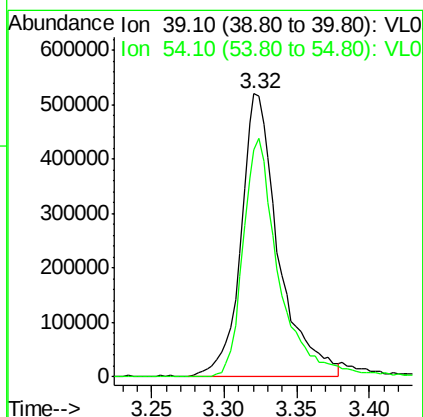
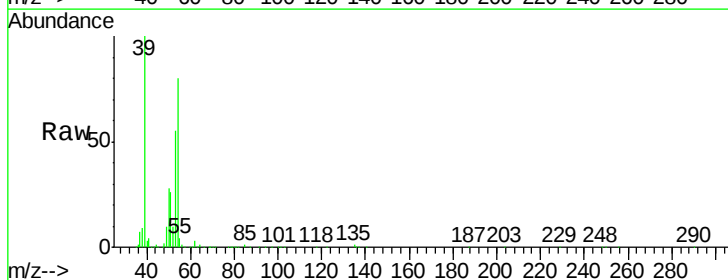
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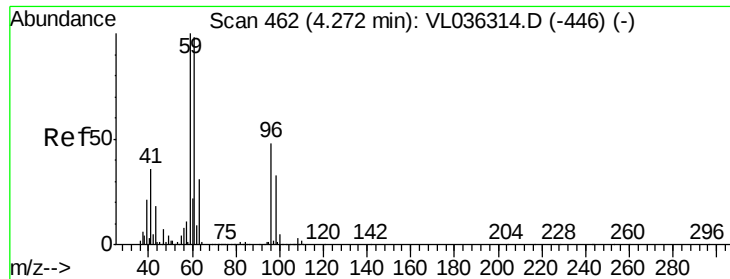
MMDadoda
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#16
1,3-Butadiene
Concen: 9.326 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.01 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion: 39 Resp: 929152
Ion Ratio Lower Upper
39 100
54 82.0 64.4 96.6





#17

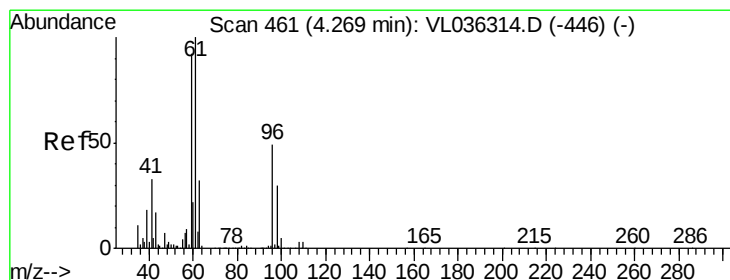
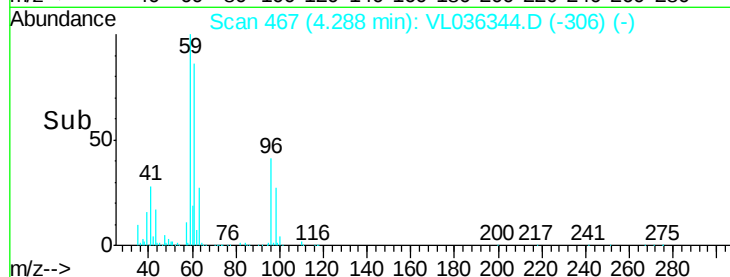
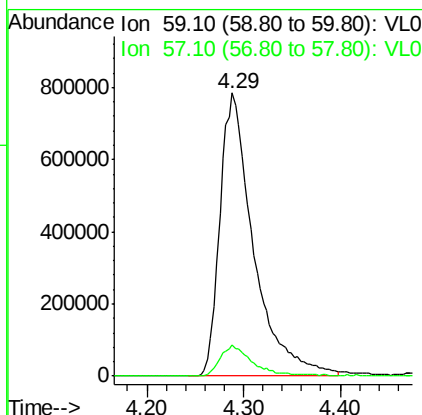
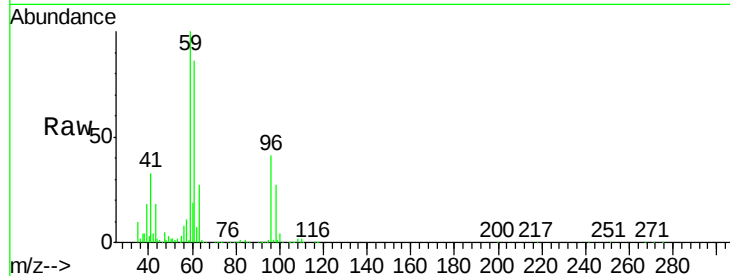
tert-Butyl alcohol
Concen: 11.746 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1899679
Ion Ratio Lower Upper
59 100
57 11.0 9.0 13.4

Manual Integrations
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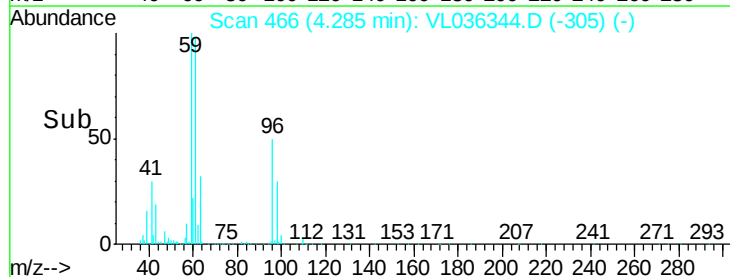
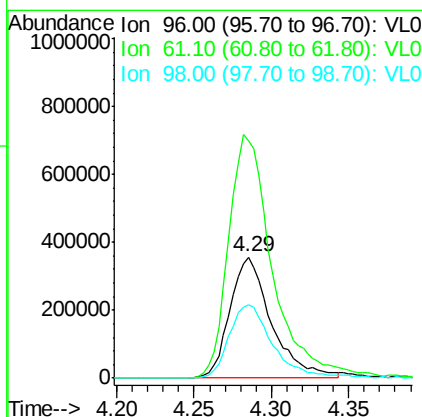
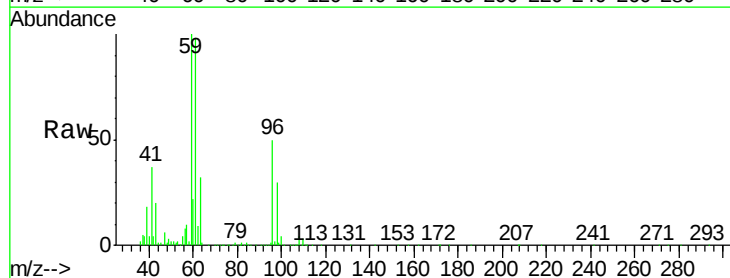
MMDadoda
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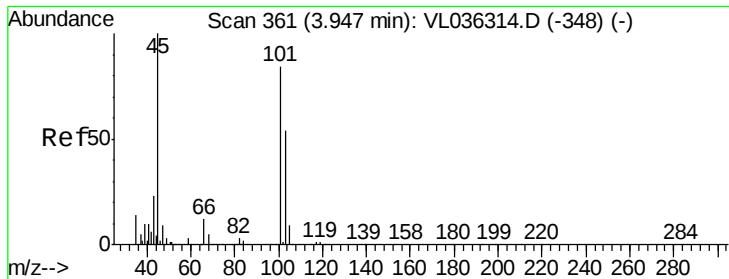


#18

1,1-Dichloroethene
Concen: 9.431 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion: 96 Resp: 661311
Ion Ratio Lower Upper
96 100
61 196.5 162.5 243.7
98 60.9 48.5 72.7





#19

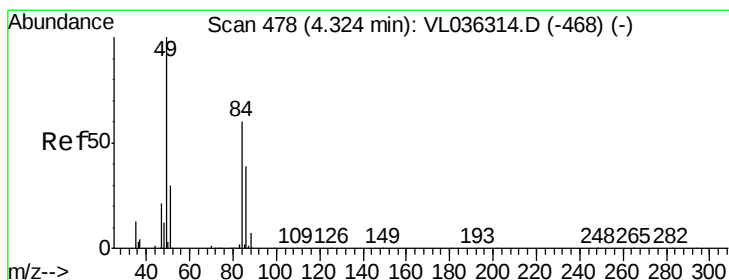
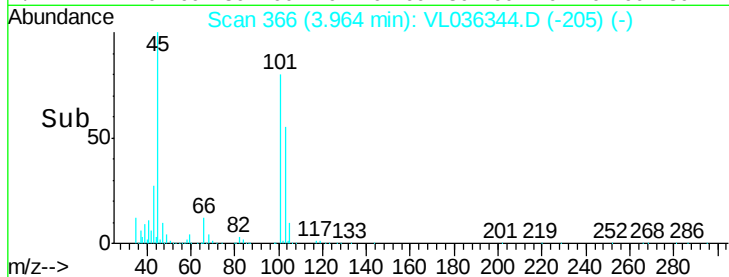
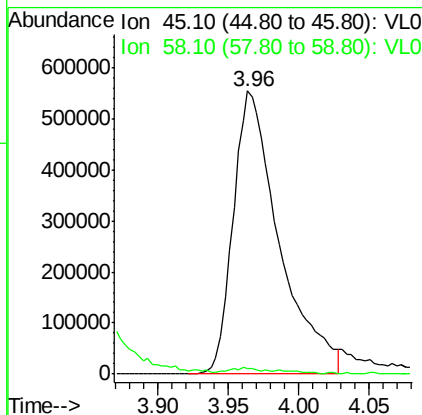
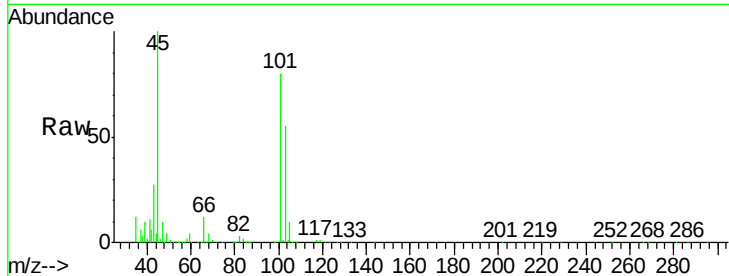
Isopropyl Alcohol
 Concen: 10.919 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 45 Resp: 1260349
 Ion Ratio Lower Upper
 45 100
 58 2.9 1.9 2.9

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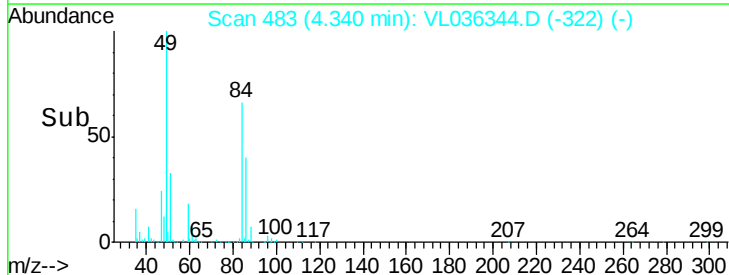
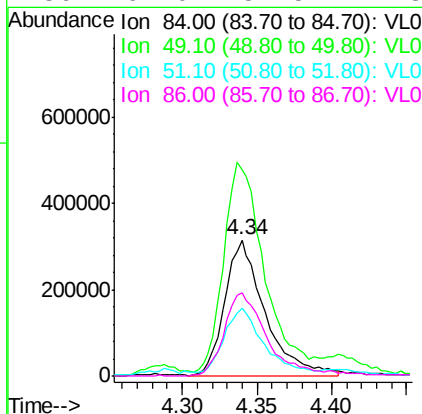
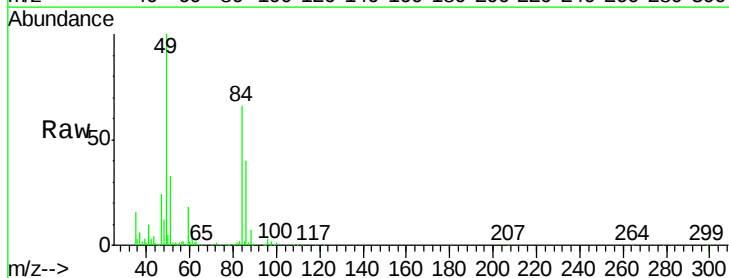
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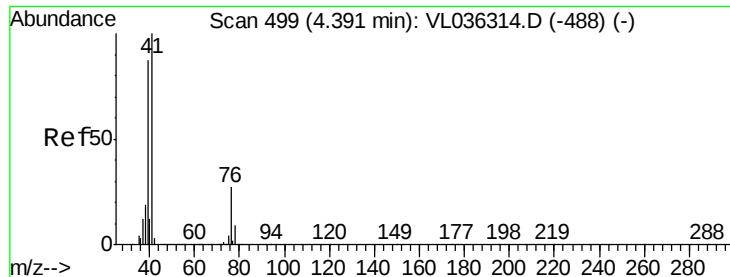


#20

Methylene Chloride
 Concen: 8.698 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Tgt Ion: 84 Resp: 584678
 Ion Ratio Lower Upper
 84 100
 49 148.9 133.8 200.8
 51 47.4 41.4 62.0
 86 61.0 51.5 77.3





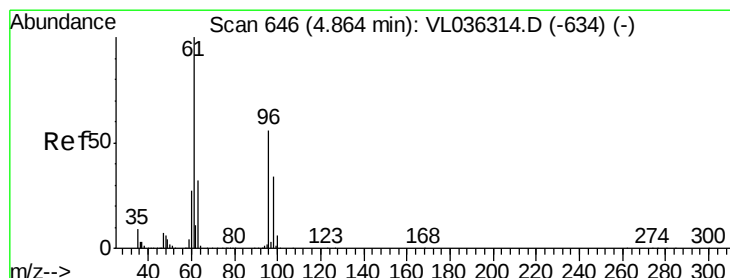
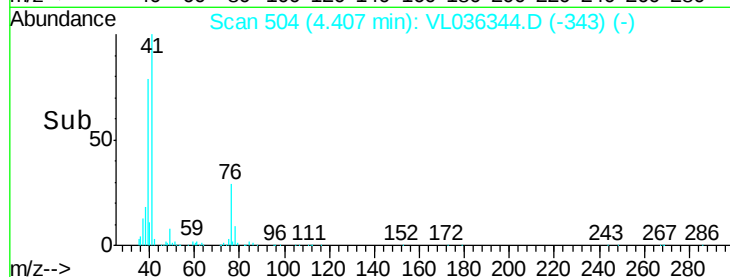
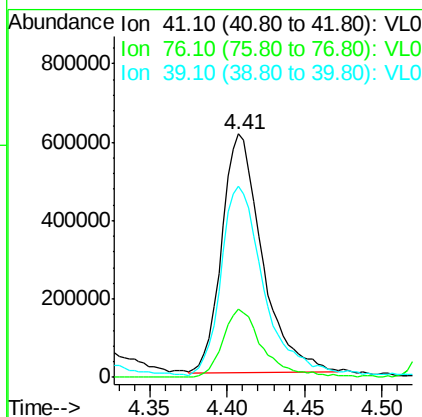
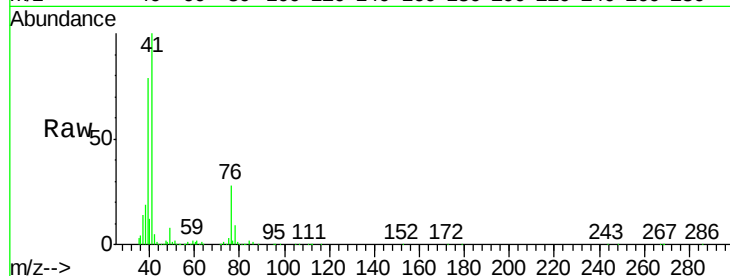
#21
Allvl Chloride
Concen: 9.464 ppbv
RT: 4.41 min Scan# 504
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 1097795
Ion Ratio Lower Upper
41 100
76 28.4 22.0 33.0
39 86.4 70.2 105.2

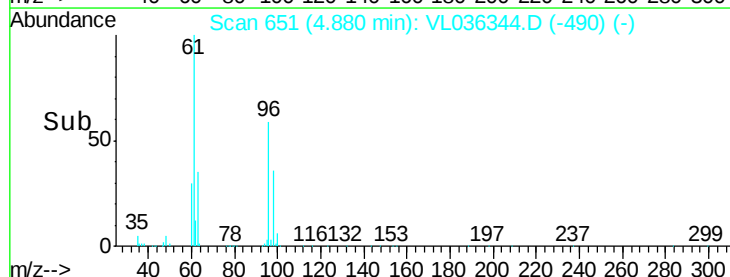
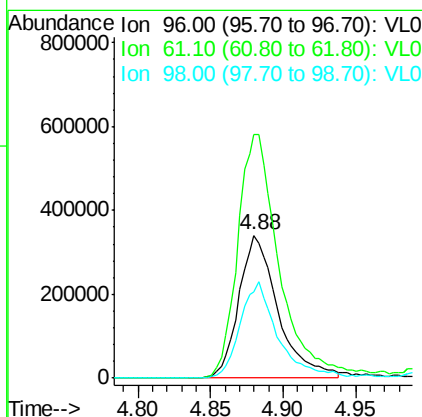
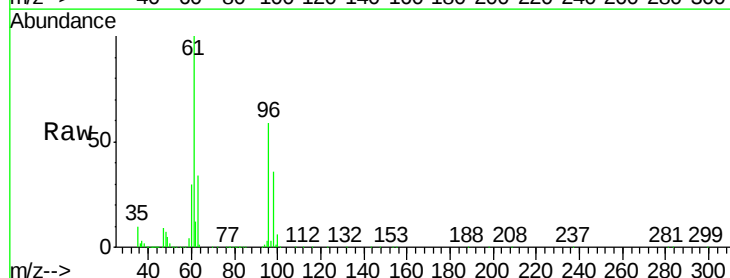
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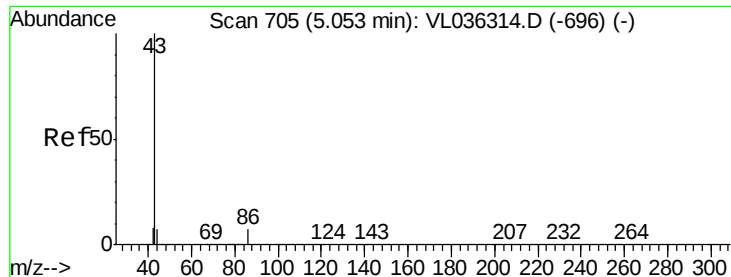
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#22
trans-1,2-Dichloroethene
Concen: 10.054 ppbv
RT: 4.88 min Scan# 651
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion: 96 Resp: 640398
Ion Ratio Lower Upper
96 100
61 170.3 143.7 215.5
98 60.6 48.5 72.7





#23

Vinyl Acetate

Concen: 9.759 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Tot Ion: 43 Resp: 2390638

Ion Ratio Lower Upper

43 100

86 6.9 4.8 7.2

42 9.2 7.4 11.0

44 5.4 4.8 7.2

Instrument :

MSVOA_L

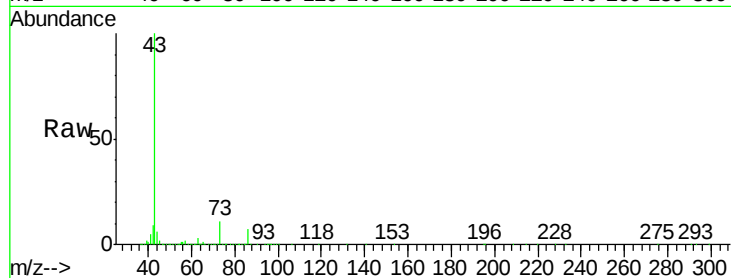
ClientSampleId :

VSTDCCC010

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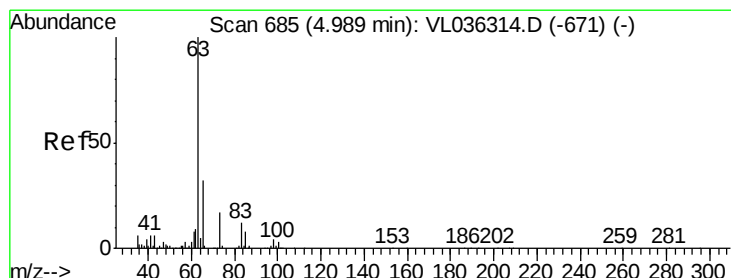
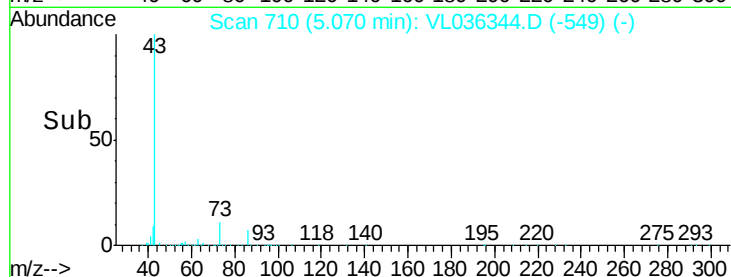
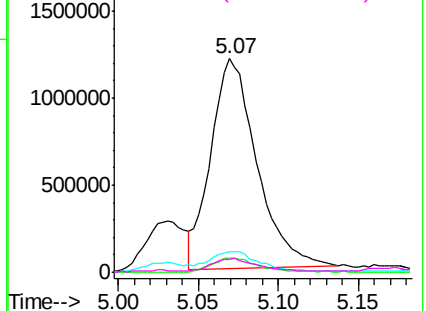


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.971 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

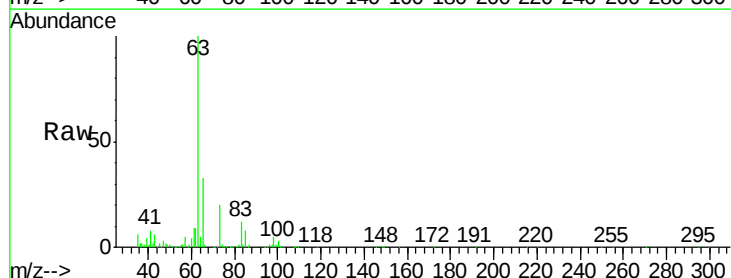
Tgt Ion: 63 Resp: 1806501

Ion Ratio Lower Upper

63 100

98 4.7 2.0 6.0

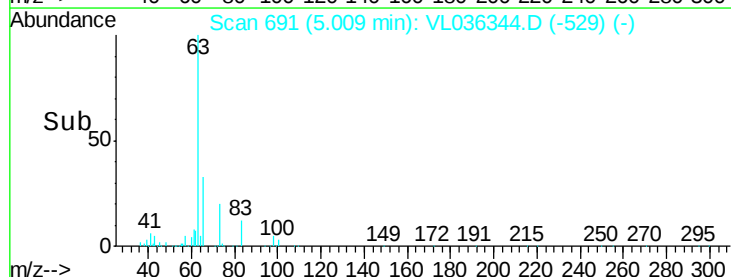
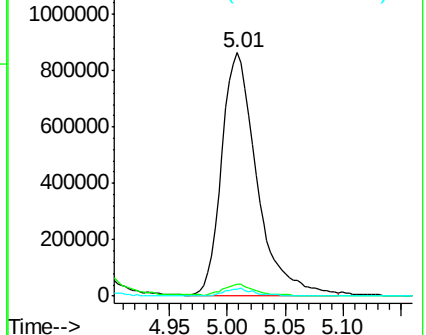
100 2.9 1.5 4.4

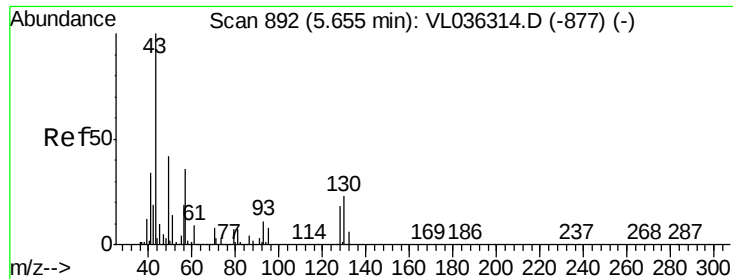


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





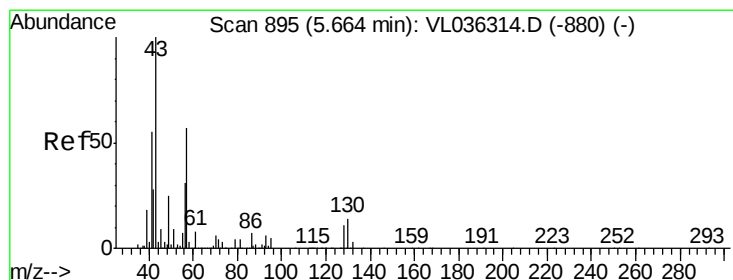
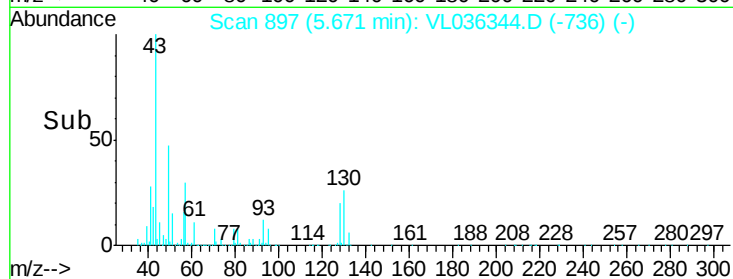
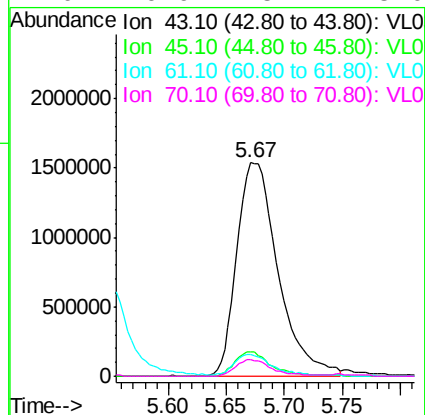
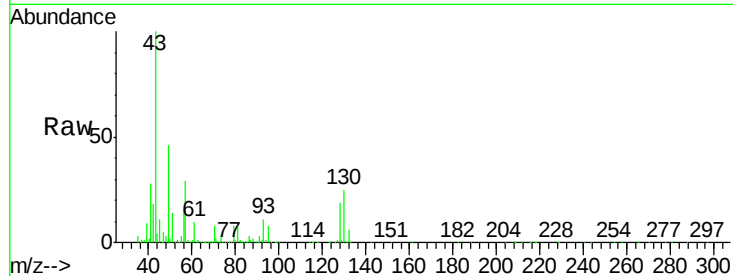
#25
Ethyl Acetate
Concen: 9.466 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:	43	Resp:	3807618
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.9	7.3	10.9
70	6.9	5.4	8.0

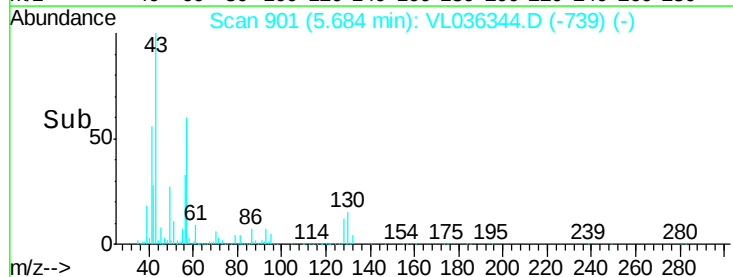
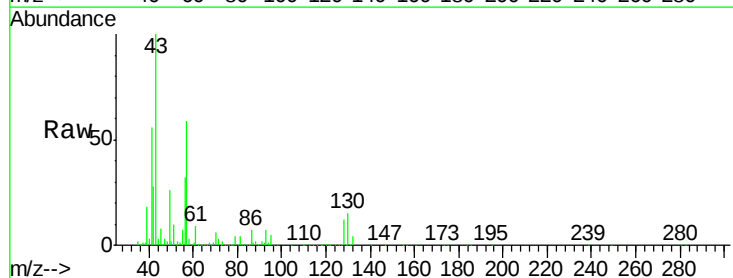
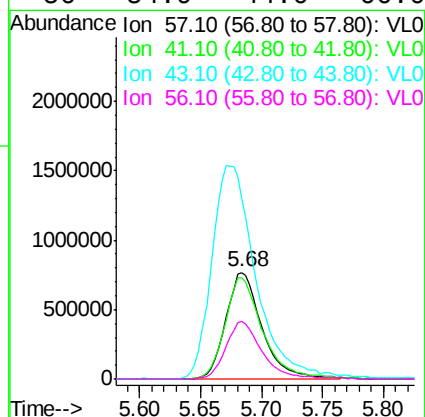
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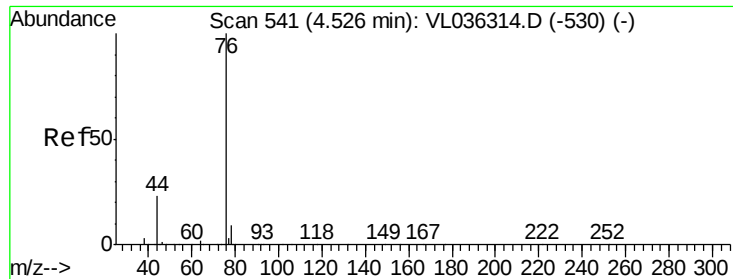
MMDadoda
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#26
Hexane
Concen: 9.594 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion:	57	Resp:	1585535
Ion	Ratio	Lower	Upper
57	100		
41	100.9	81.7	122.5
43	246.6	199.1	298.7
56	54.9	44.0	66.0





#27

Carbon Disulfide

Concen: 11.261 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1710352

Ion Ratio Lower Upper

76 100

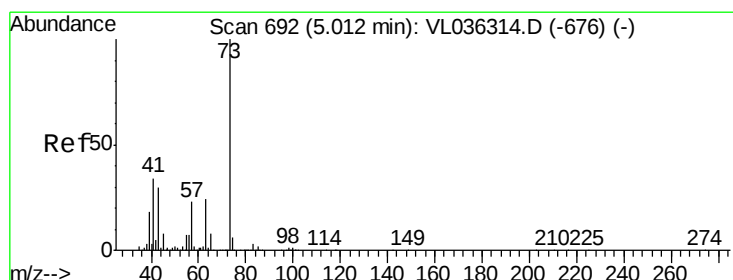
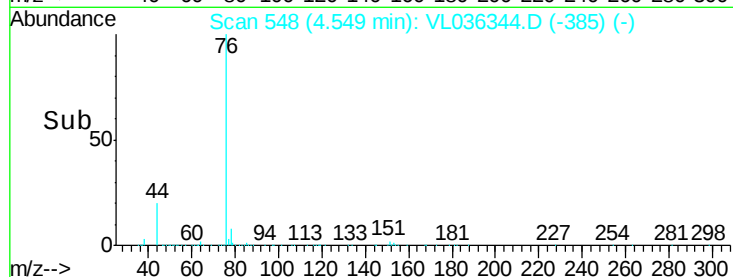
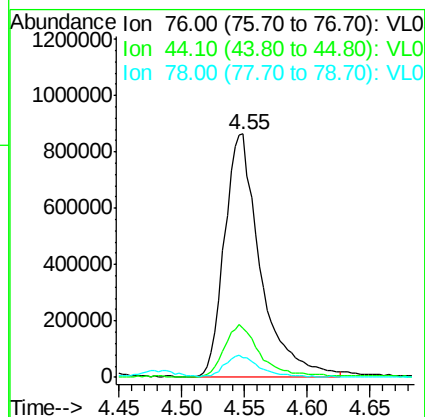
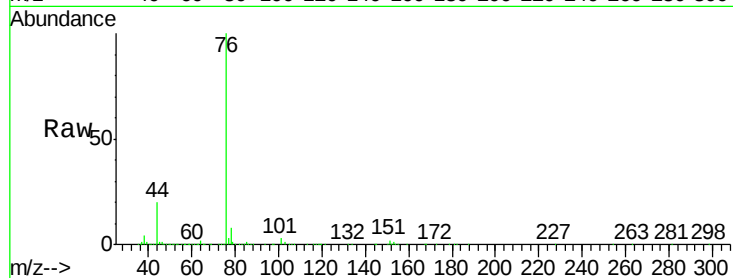
44 21.6 18.4 27.6

78 9.5 8.0 12.0

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#28

Methyl tert-Butyl Ether

Concen: 10.314 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.02 min

Lab File: VL036344.D

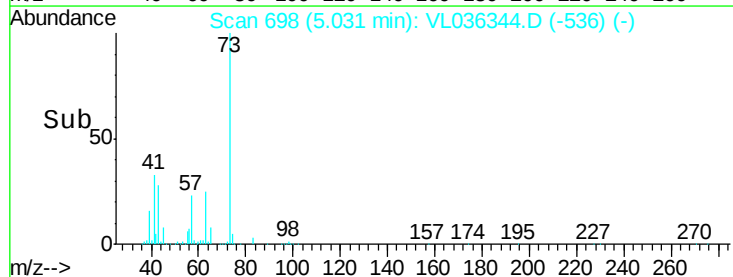
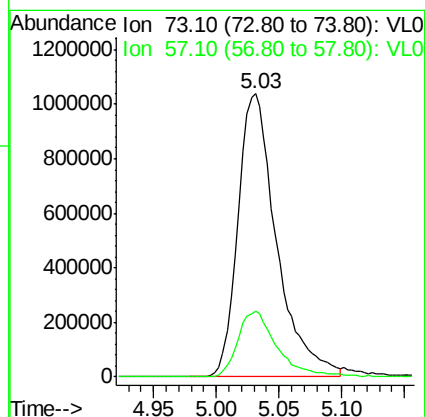
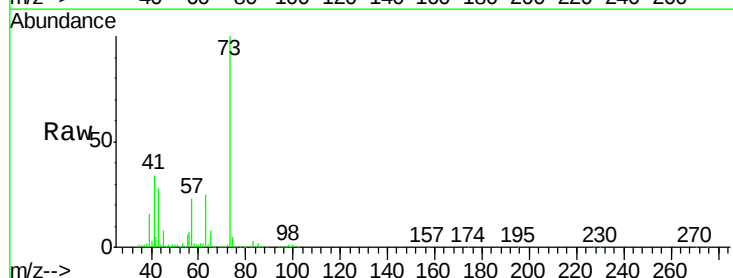
Acq: 24 Feb 2021 9:42

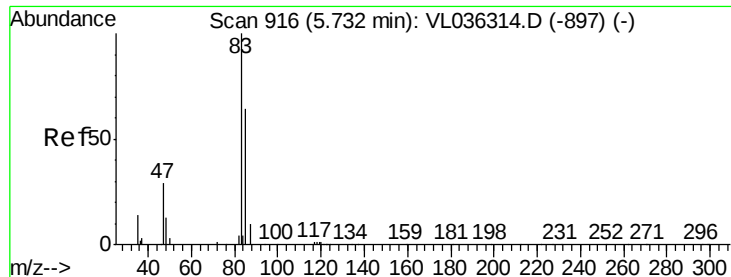
Tgt Ion: 73 Resp: 2226759

Ion Ratio Lower Upper

73 100

57 23.9 19.2 28.8





#29

Chloroform

Concen: 9.550 ppbv

RT: 5.75 min Scan# 922

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2542562

Ion Ratio Lower Upper

83 100

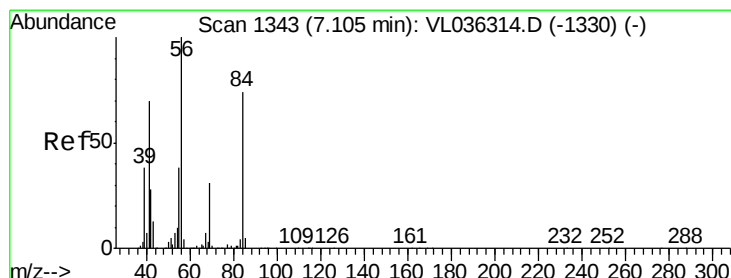
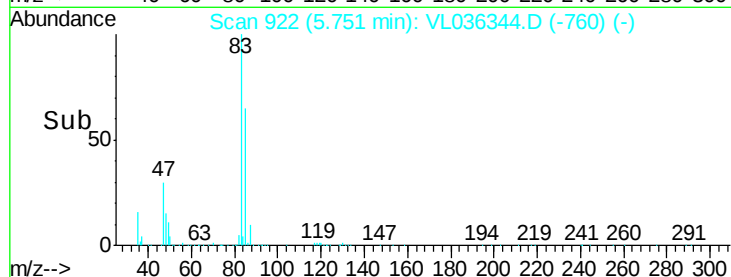
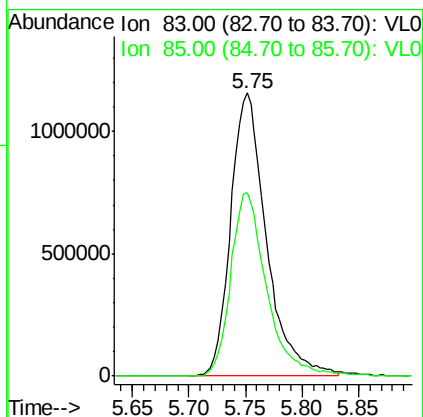
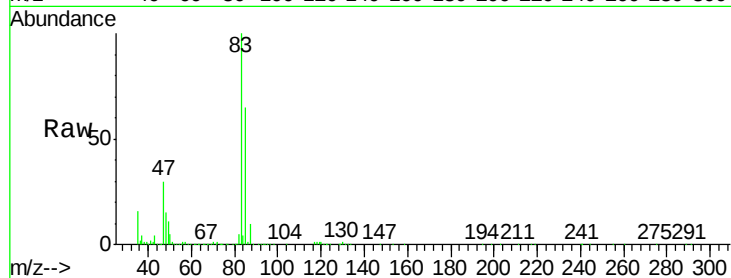
85 64.6 51.4 77.2

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#30

Cyclohexane

Concen: 9.718 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.03 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

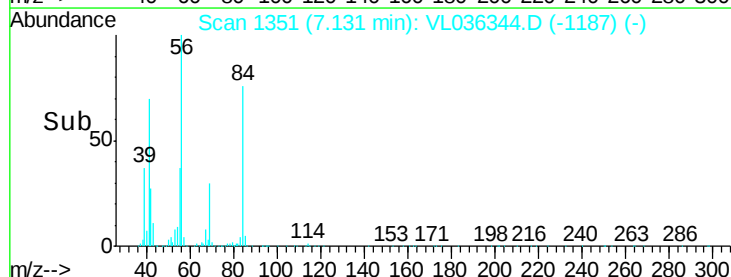
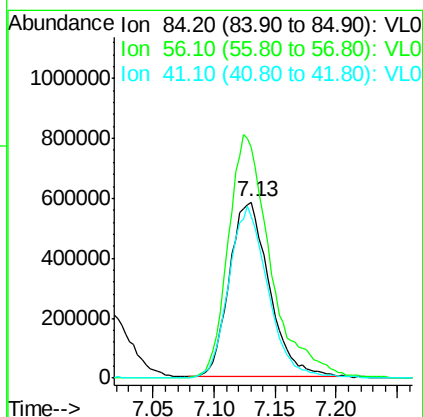
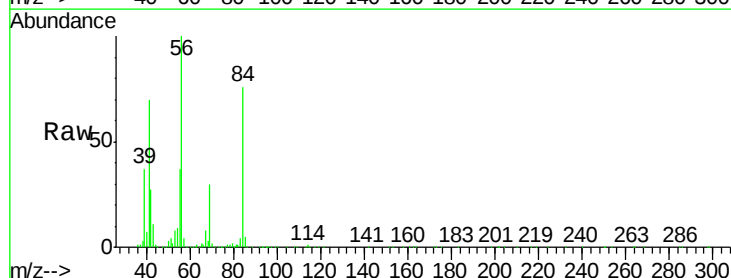
Tgt Ion: 84 Resp: 1335715

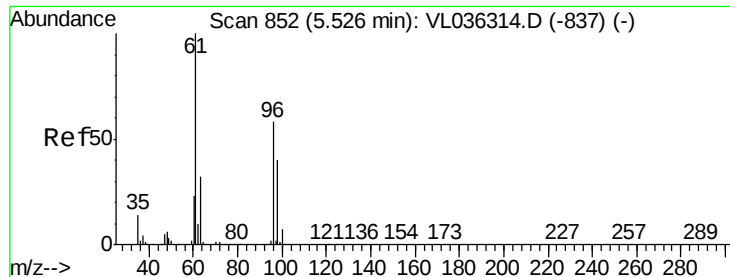
Ion Ratio Lower Upper

84 100

56 147.7 120.2 180.4

41 96.7 79.7 119.5





#31

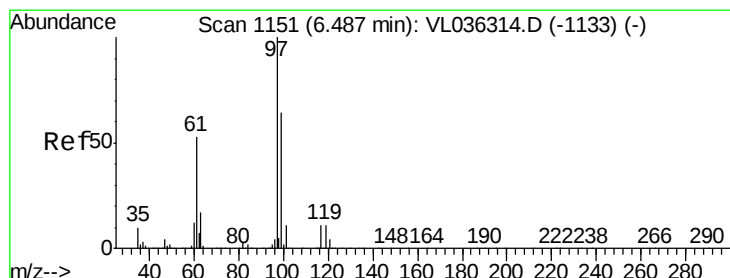
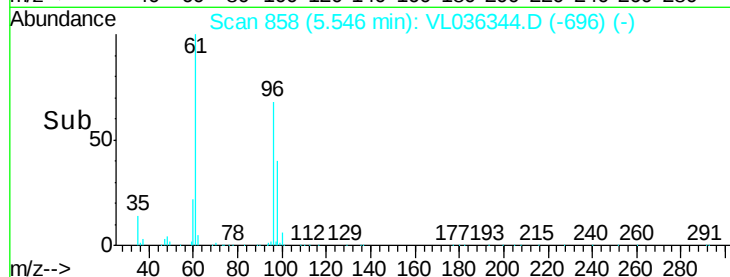
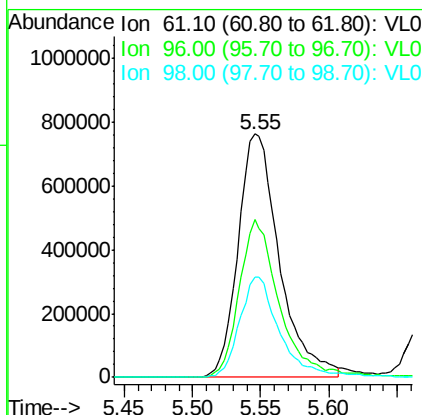
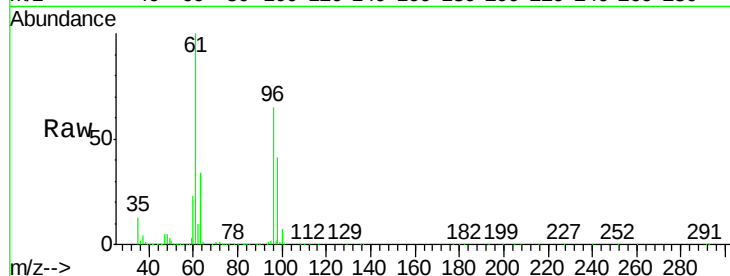
cis-1,2-Dichloroethene
 Concen: 9.797 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.1	46.0	69.0
98	41.2	31.9	47.9

Manual Integrations
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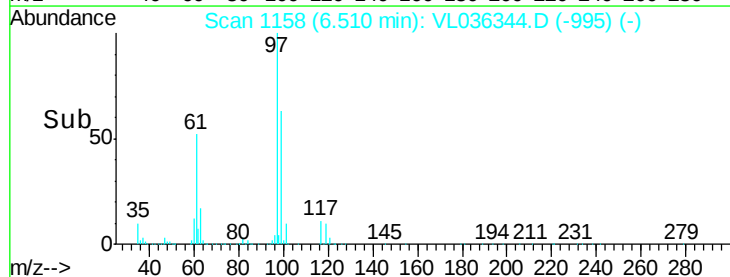
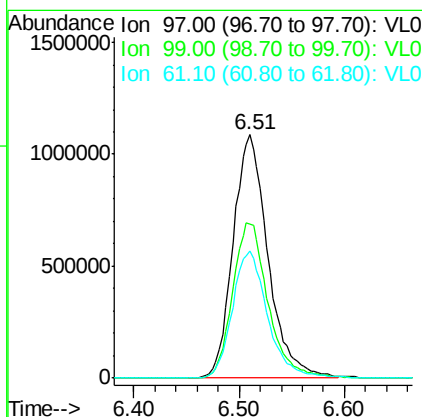
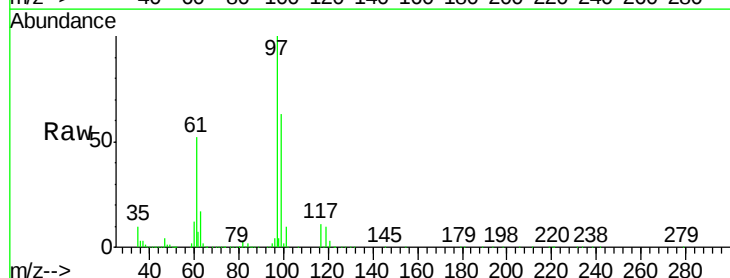
MMDadoda
 2/26/2021 4:16:42 PM

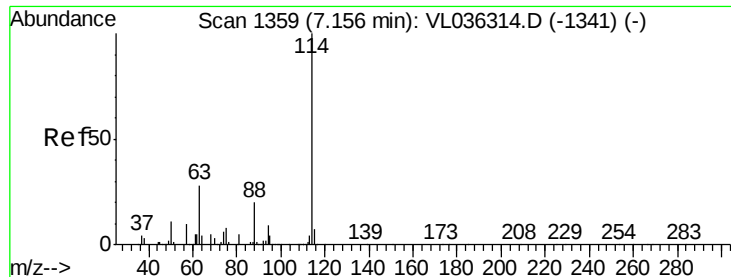


#32

1,1,1-Trichloroethane
 Concen: 10.022 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.4
61	52.8	43.3	64.9





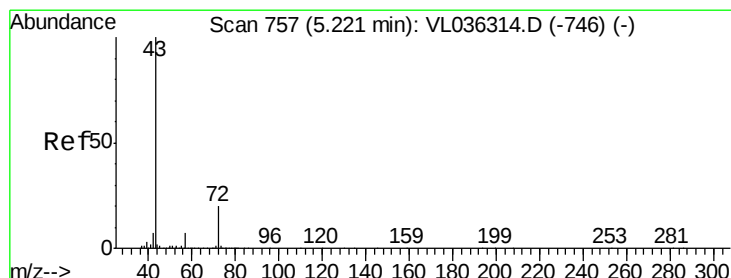
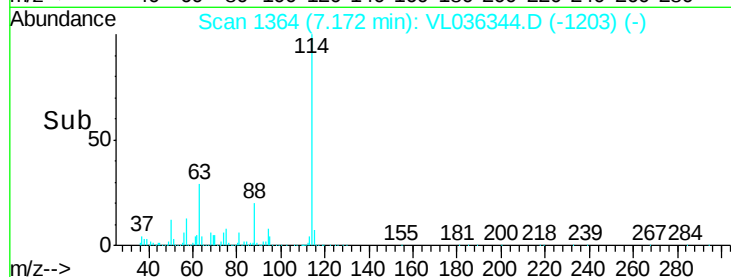
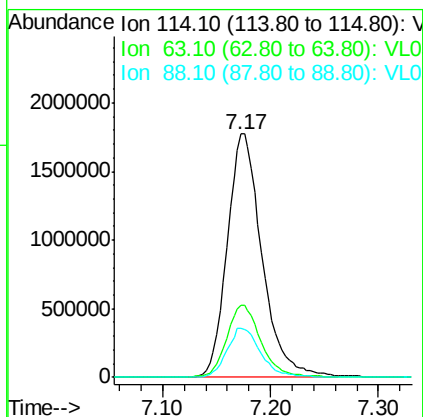
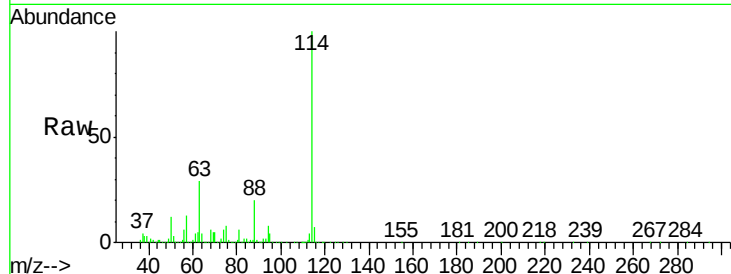
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 3978779
 Ion Ratio Lower Upper
 114 100
 63 29.9 24.1 36.1
 88 19.9 16.0 24.0

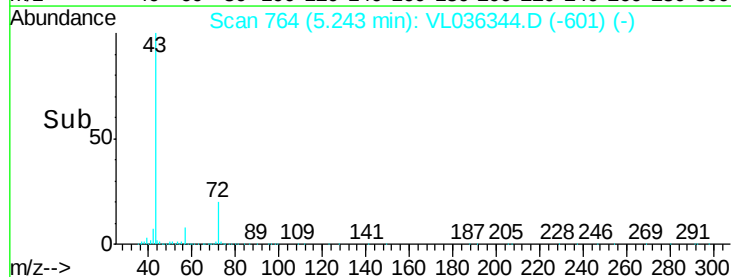
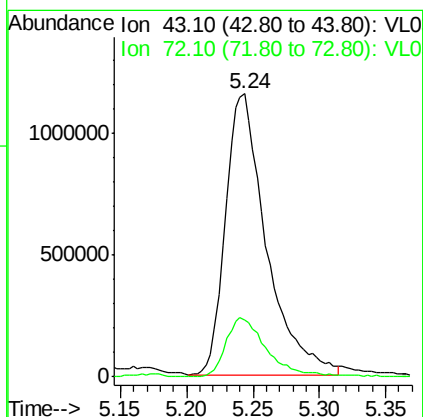
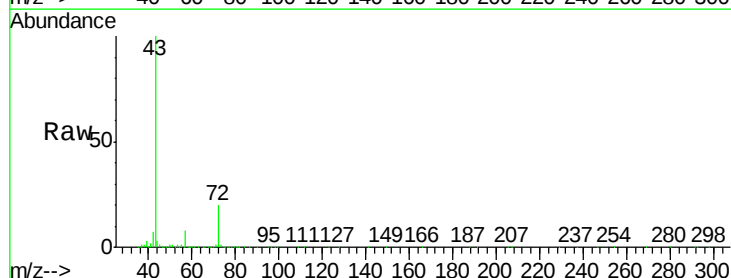
Manual Integrations
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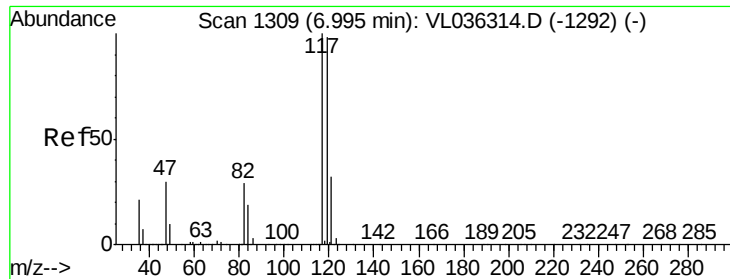
MMDadoda
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#34
 2-Butanone
 Concen: 9.321 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Tgt Ion: 43 Resp: 2463972
 Ion Ratio Lower Upper
 43 100
 72 21.5 16.7 25.1





#35

Carbon Tetrachloride

Concen: 9.455 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2521326

Ion Ratio Lower Upper

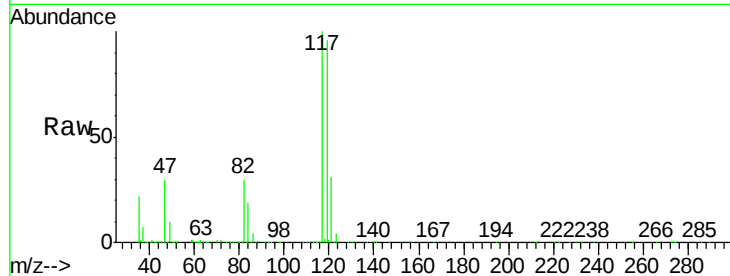
117 100

119 95.9 78.1 117.1

121 30.8 25.8 38.8

Manual Integrations
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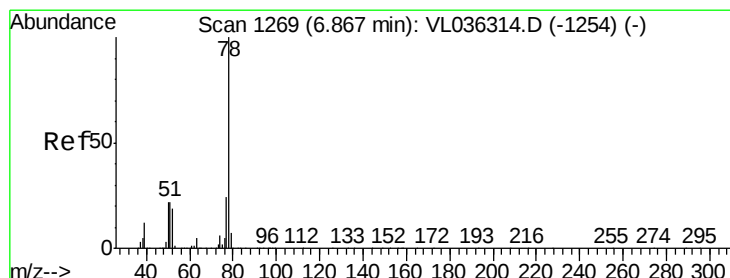
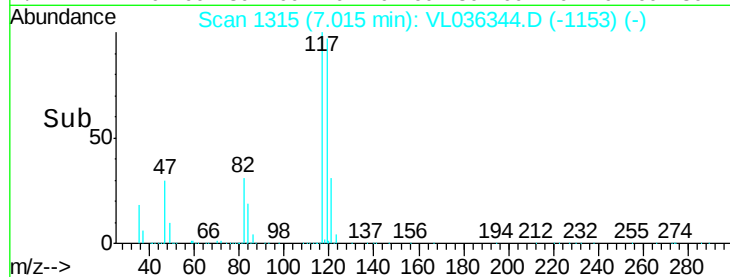
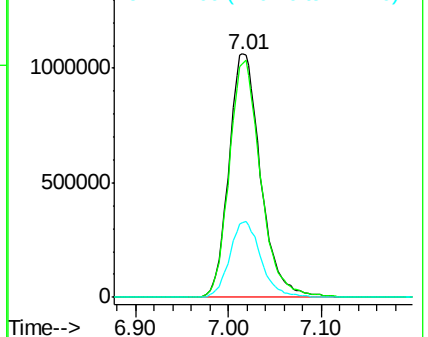
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.824 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

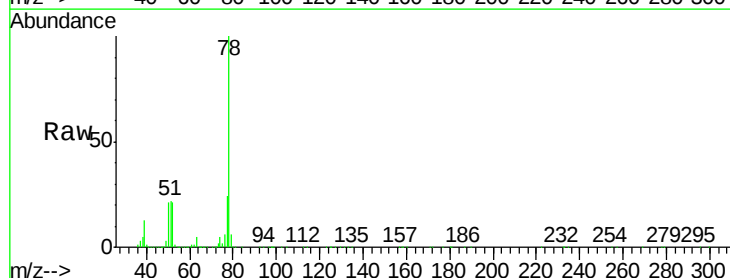
Tgt Ion: 78 Resp: 3320286

Ion Ratio Lower Upper

78 100

77 23.5 18.9 28.3

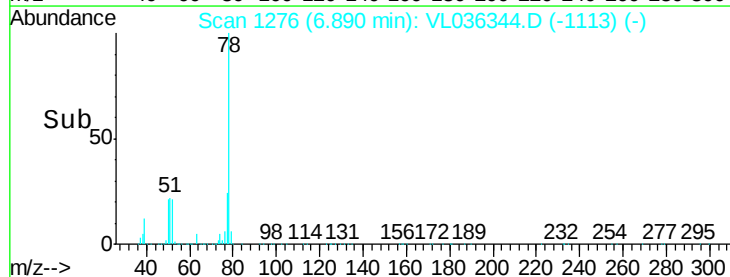
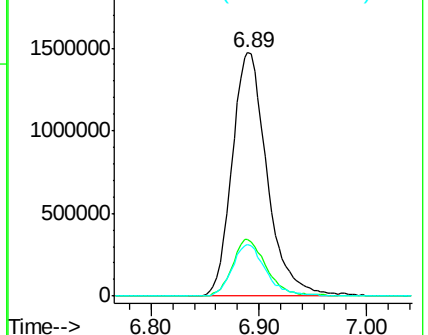
50 21.1 17.3 25.9

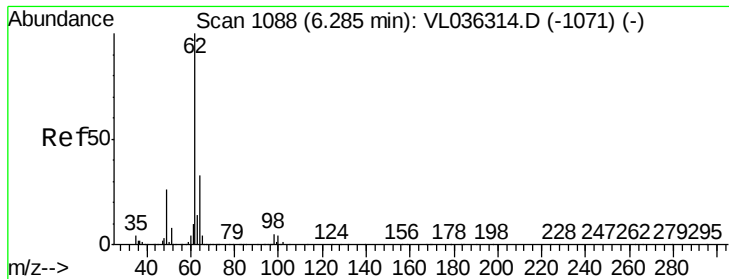


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





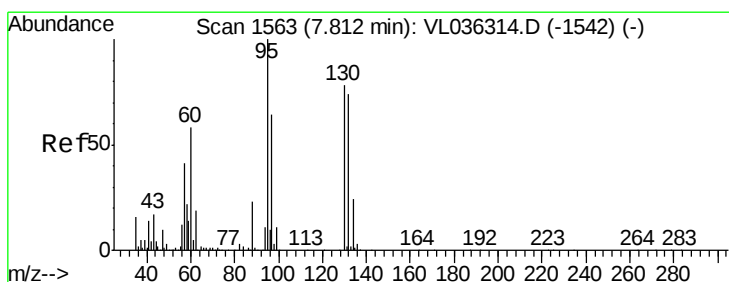
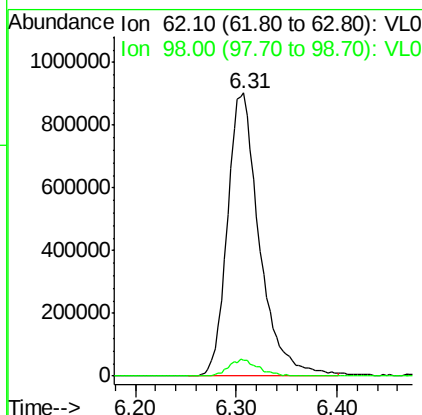
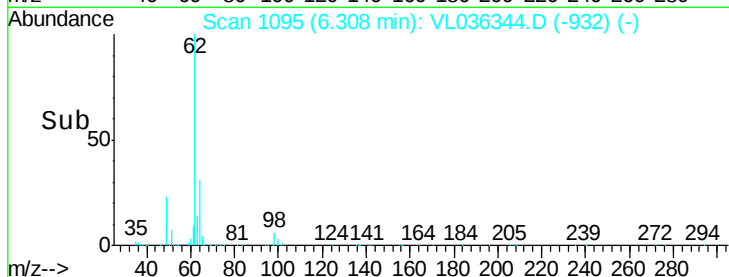
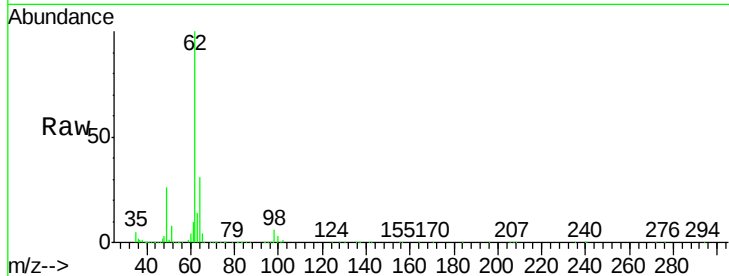
#37
 1,2-Dichloroethane
 Concen: 9.599 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 2005817
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.5 6.7

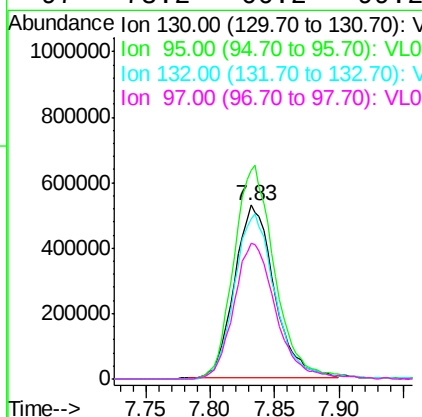
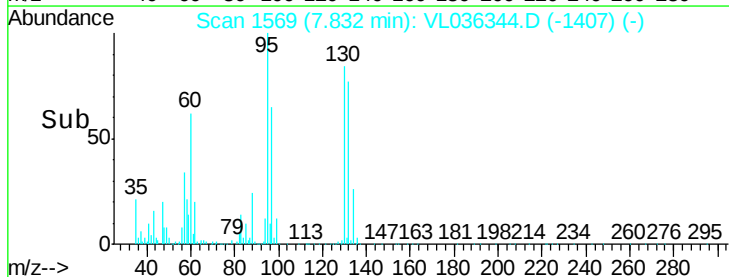
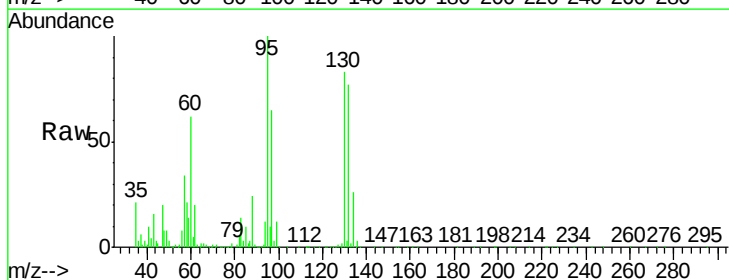
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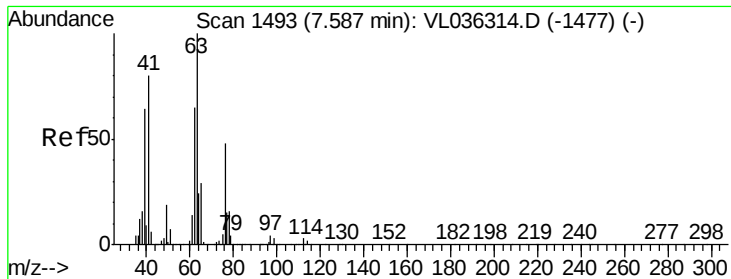
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#38
 Trichloroethene
 Concen: 9.421 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Tgt Ion: 130 Resp: 1140656
 Ion Ratio Lower Upper
 130 100
 95 120.2 102.8 154.2
 132 92.5 75.7 113.5
 97 78.2 66.2 99.2





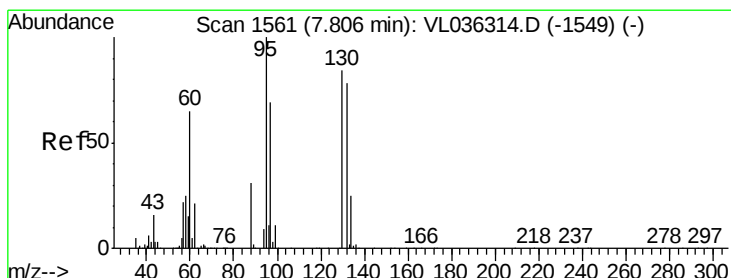
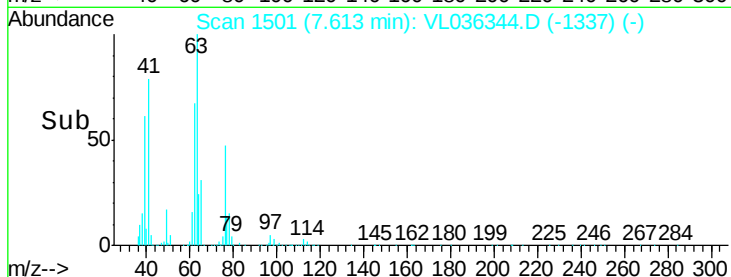
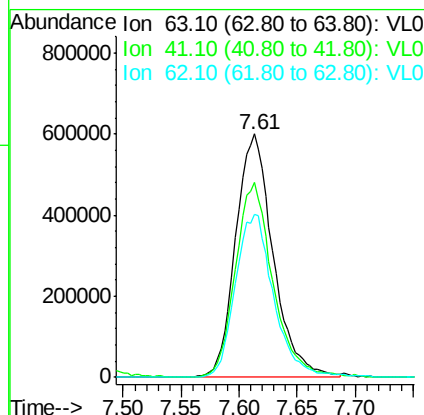
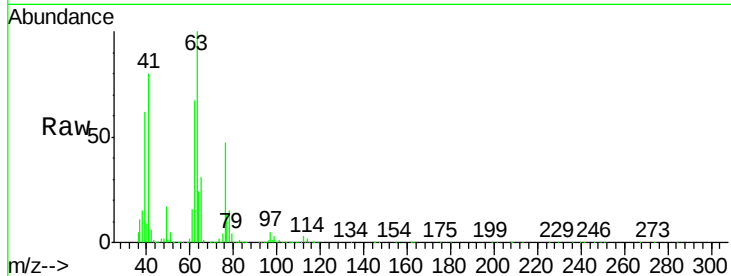
#39
 1,2-Dichloropropane
 Concen: 9.798 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. 0.03 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	79.8	63.8	95.6
62	66.7	52.3	78.5

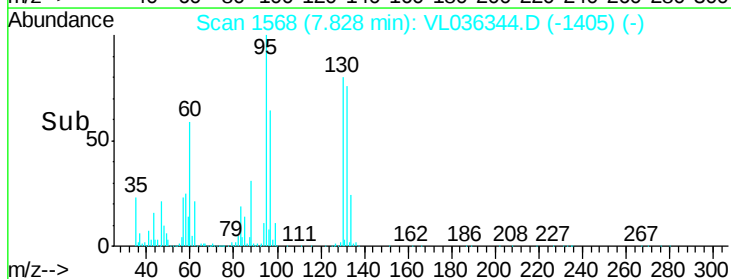
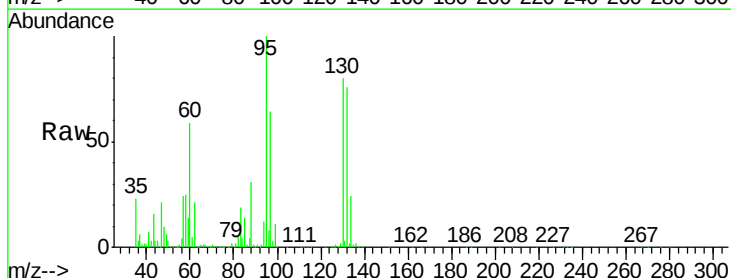
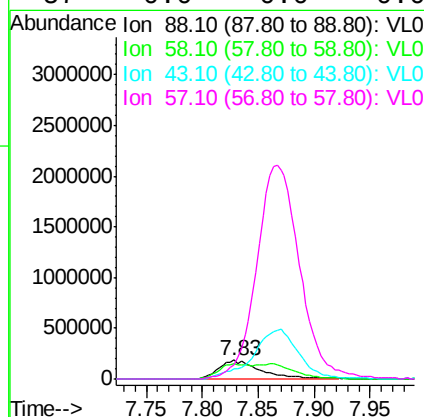
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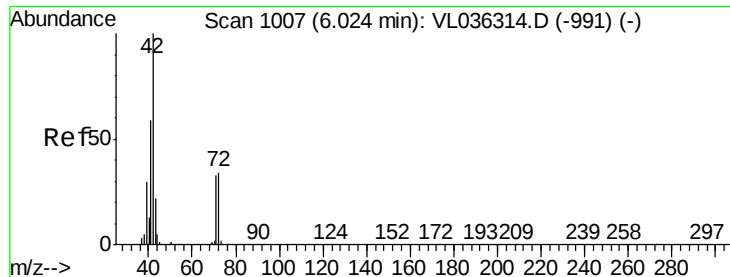
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#40
 1,4-Dioxane
 Concen: 10.336 ppbv m
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	59.5	45.0	67.4
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 9.957 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

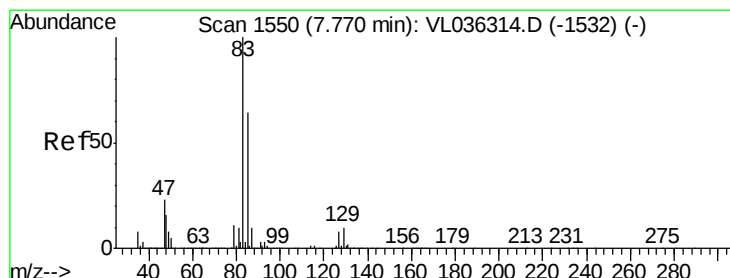
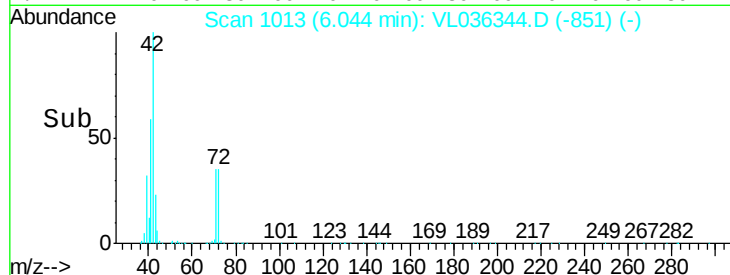
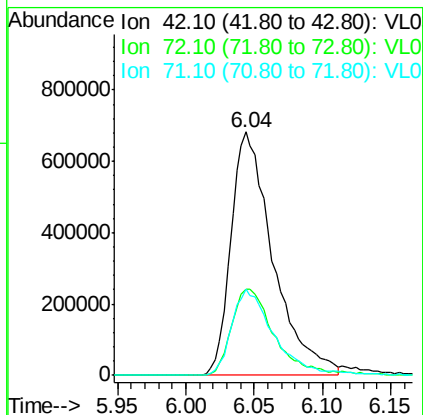
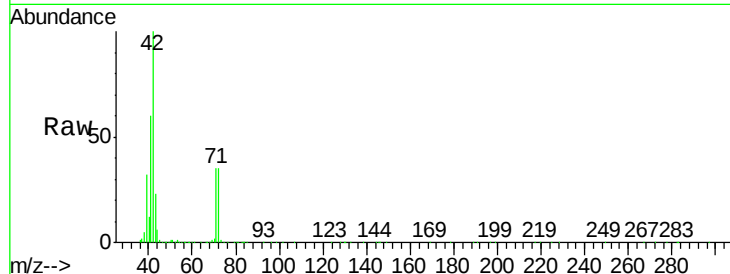
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	1468865
Ion	Ratio	Lower	Upper
42	100		
72	36.7	29.3	43.9
71	35.6	27.8	41.8

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.742 ppbv

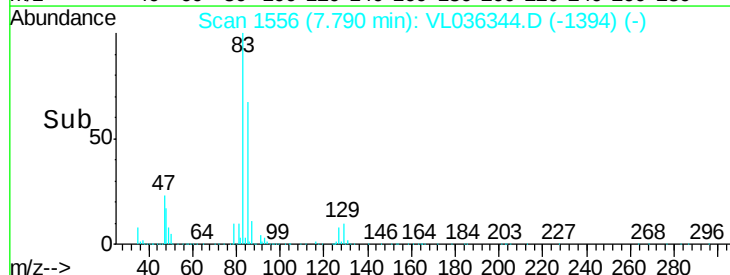
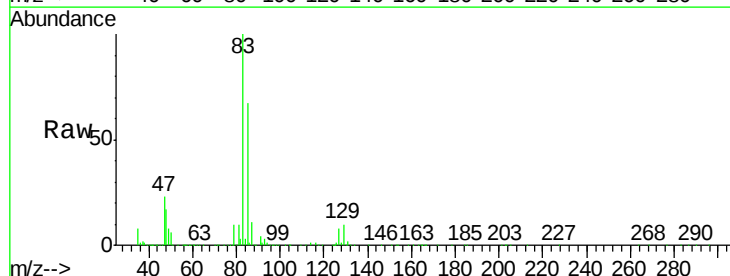
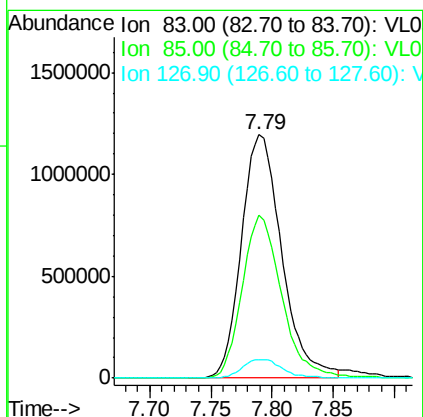
RT: 7.79 min Scan# 1556

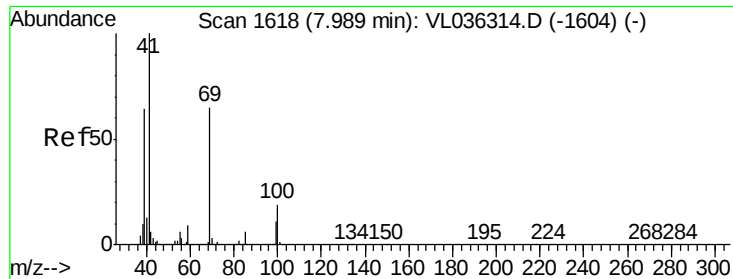
Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Tgt Ion:	83	Resp:	2726379
Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.1	76.7
127	7.6	6.3	9.5





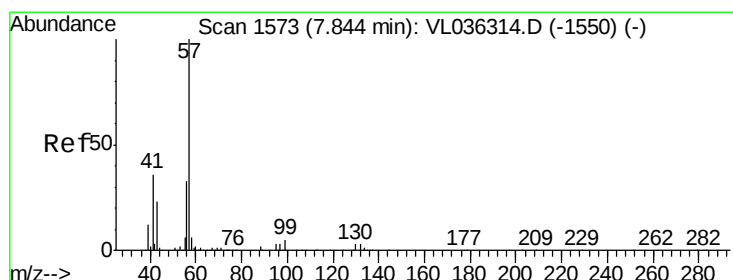
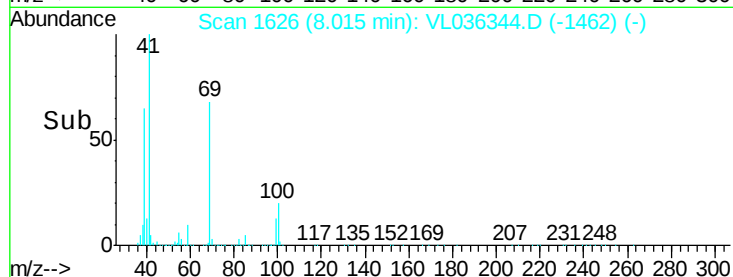
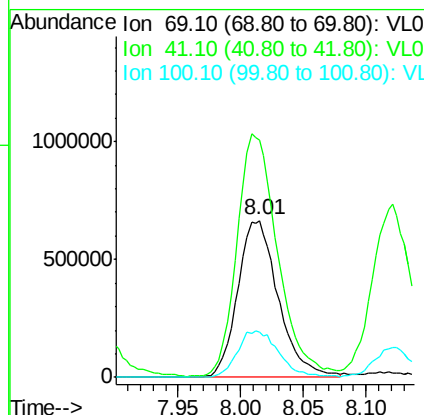
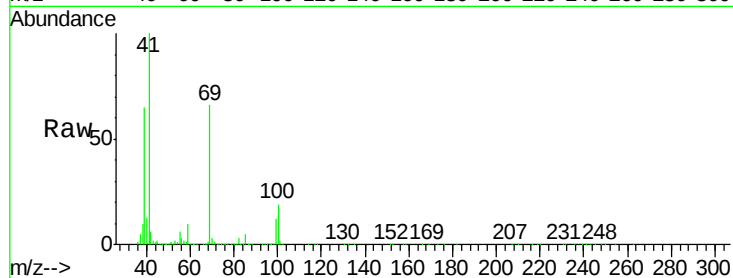
#43
Methvl Methacrilate
Concen: 10.488 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.03 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1494908
Ion Ratio Lower Upper
69 100
41 156.1 126.5 189.7
100 30.1 23.1 34.7

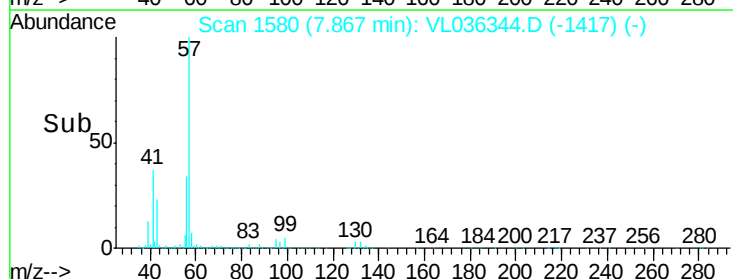
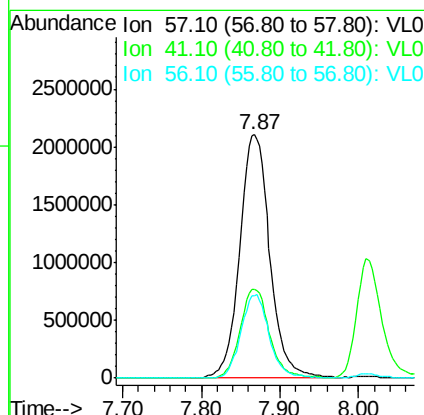
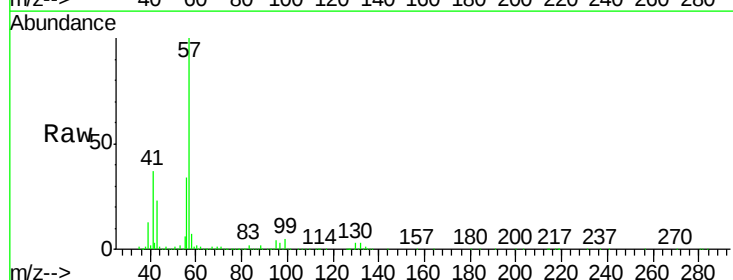
Manual Integrations
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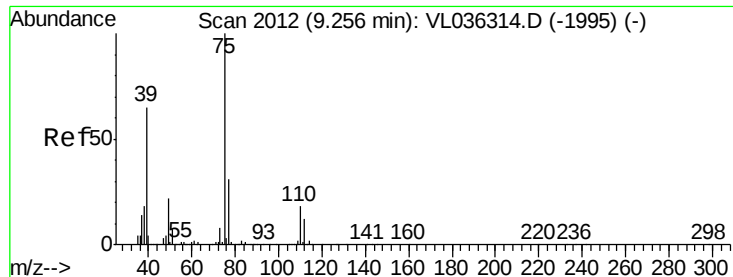
MMDadoda
2/26/2021 4:16:42 PM



#44
2,2,4-Trimethylpentane
Concen: 9.185 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion: 57 Resp: 5644617
Ion Ratio Lower Upper
57 100
41 35.4 28.8 43.2
56 32.4 25.8 38.6





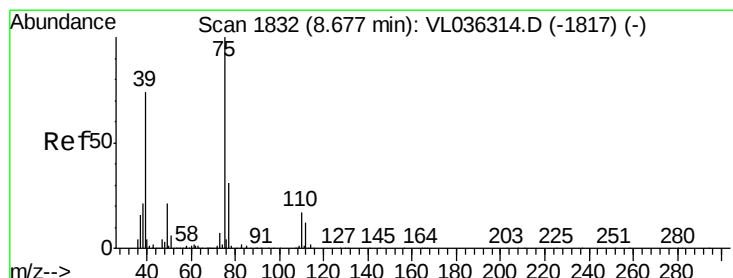
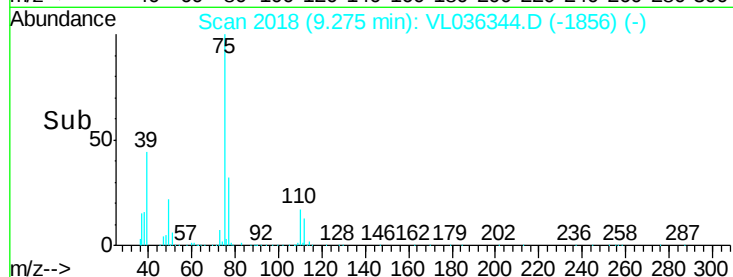
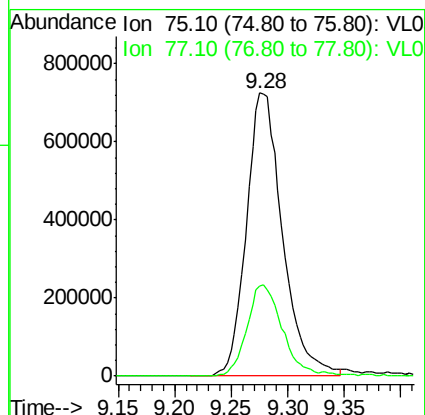
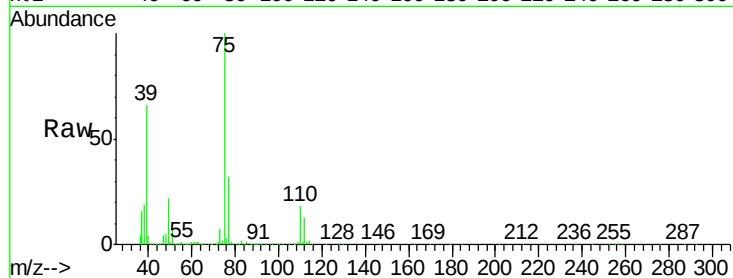
#45
t-1,3-Dichloropropene
Concen: 11.735 ppbv
RT: 9.28 min Scan# 2018
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1613654
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0

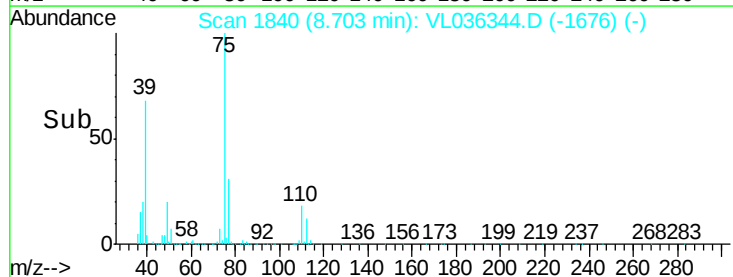
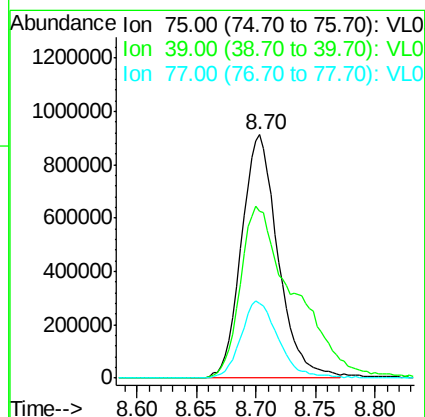
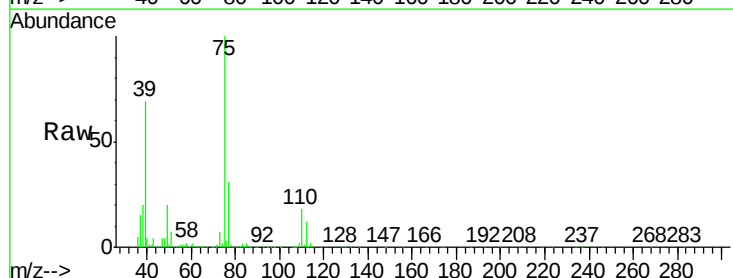
Manual Integrations
APPROVED

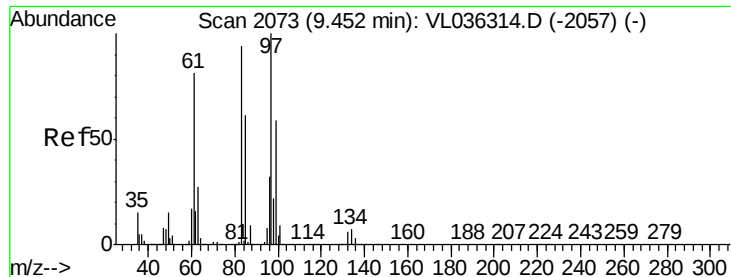
MMDadoda
2/26/2021 4:16:42 PM



#46
cis-1,3-Dichloropropene
Concen: 11.125 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. 0.03 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion: 75 Resp: 1943166
Ion Ratio Lower Upper
75 100
39 68.5 59.2 88.8
77 30.7 25.0 37.6





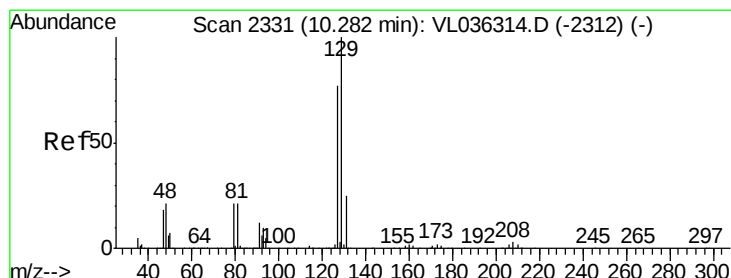
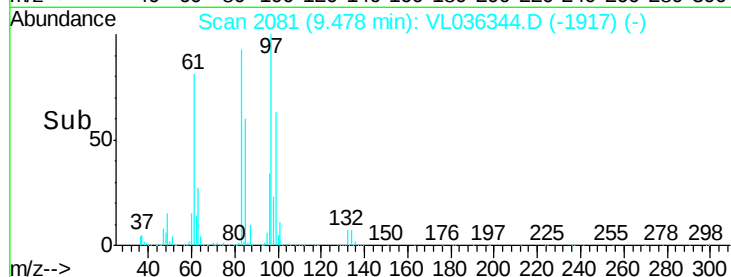
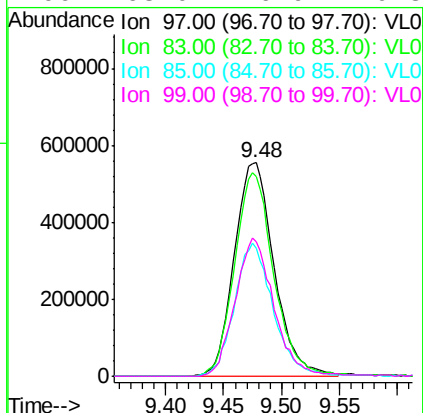
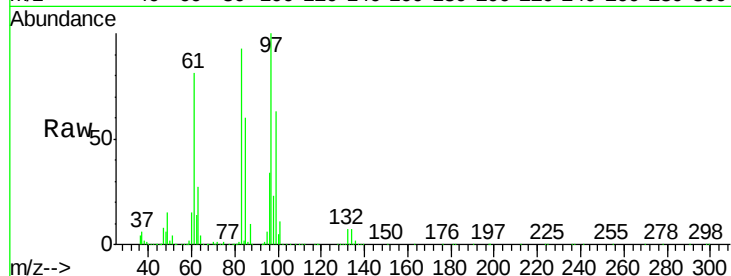
#47
 1,1,2-Trichloroethane
 Concen: 9.416 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. 0.03 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	93.2	75.4	113.0	
85	59.9	48.9	73.3	
99	63.0	46.9	70.3	

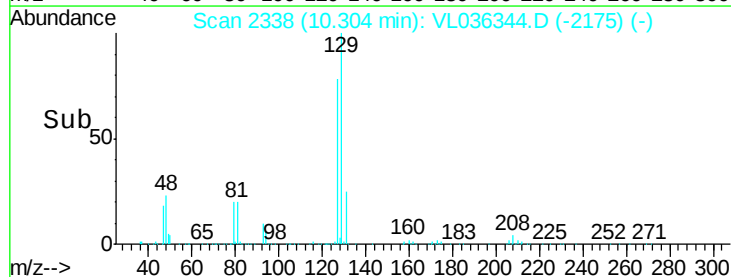
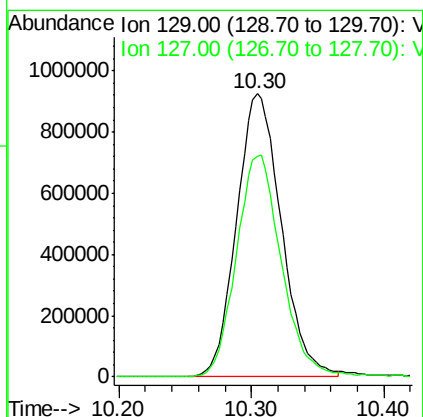
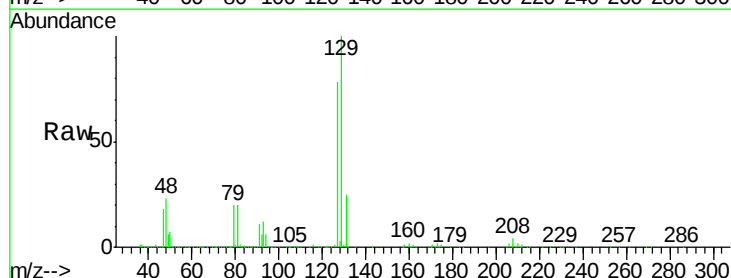
Manual Integrations
 APPROVED

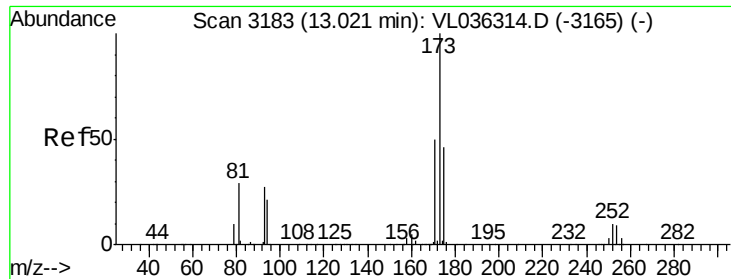
MMDadoda
 2/26/2021 4:16:42 PM



#48
 Dibromochloromethane
 Concen: 10.312 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.6	39.1	117.2	





#49

Bromoform

Concen: 10.620 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1800121

Ion Ratio Lower Upper

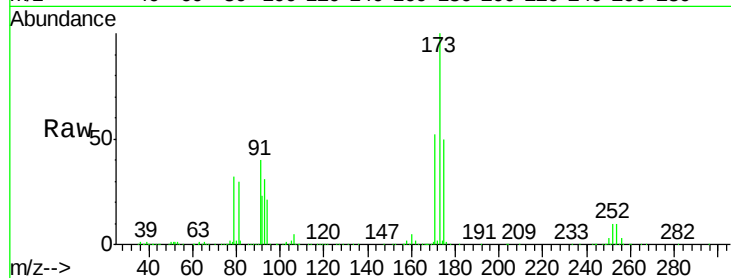
173 100

175 51.4 40.2 60.2

171 53.4 43.4 65.2

Manual Integrations
APPROVED

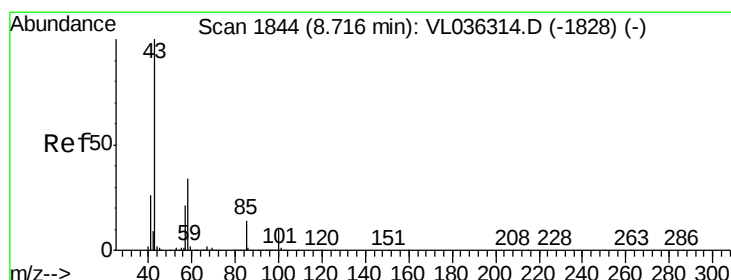
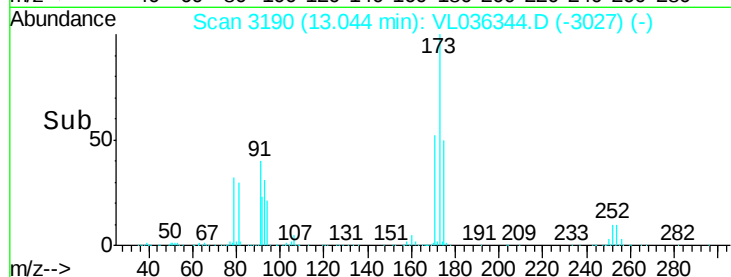
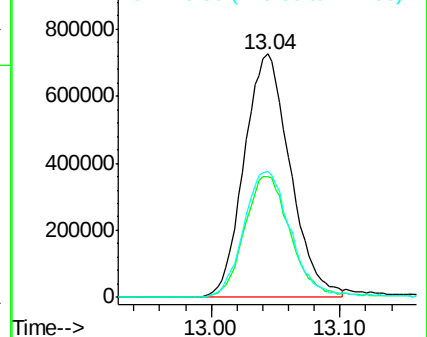
MMDadoda
2/26/2021 4:16:42 PM



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: 9.845 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.02 min

Lab File: VL036344.D

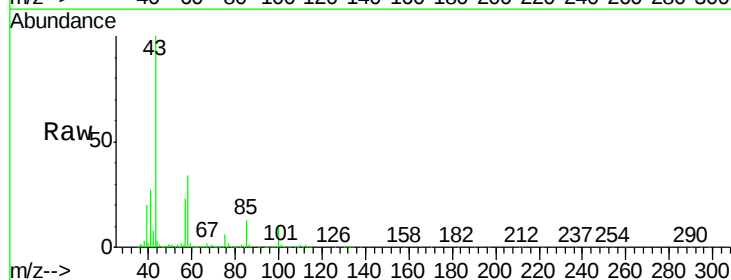
Acq: 24 Feb 2021 9:42

Tgt Ion: 43 Resp: 3863756

Ion Ratio Lower Upper

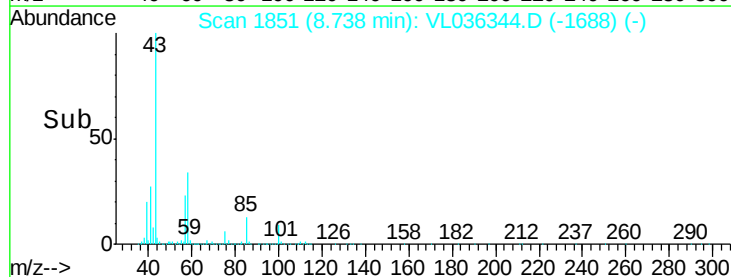
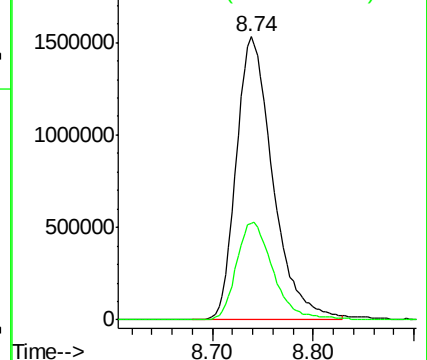
43 100

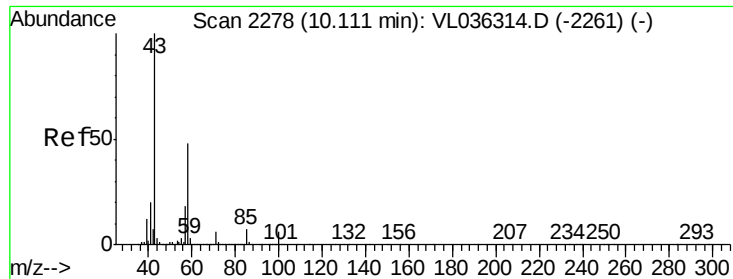
58 34.7 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





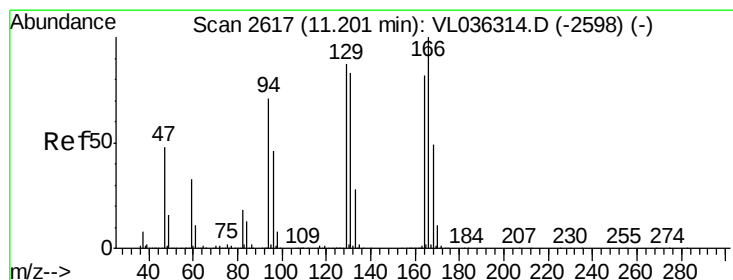
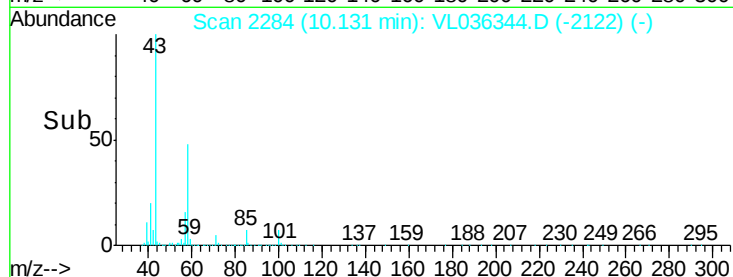
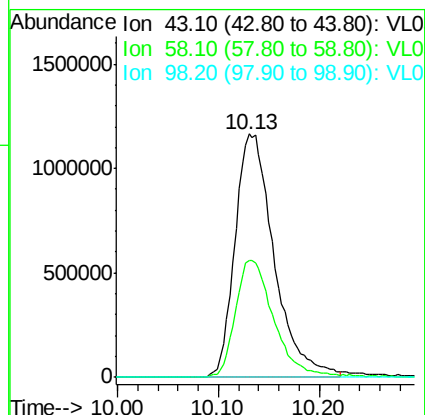
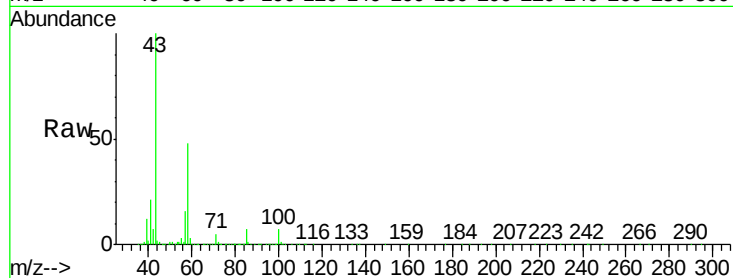
#51
2-Hexanone
Concen: 10.515 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 3135477
Ion Ratio Lower Upper
43 100
58 48.3 38.7 58.1
98 0.4 0.4 0.6#

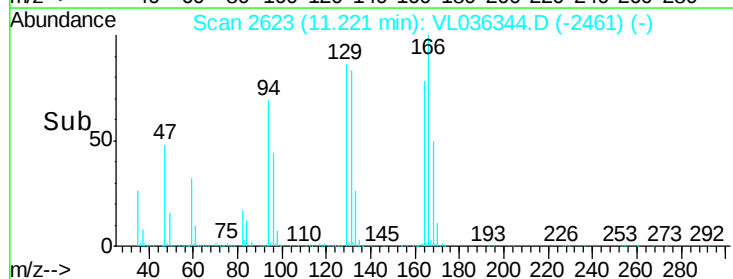
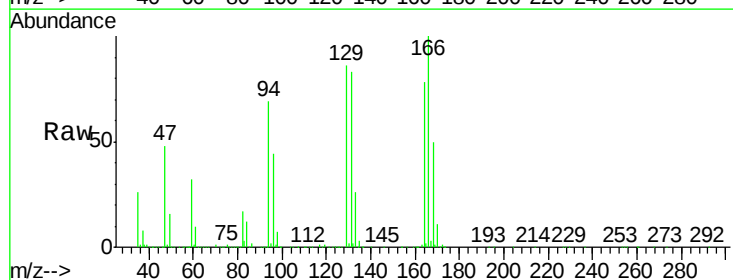
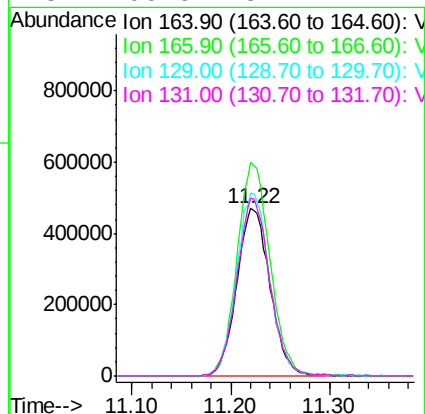
Manual Integrations
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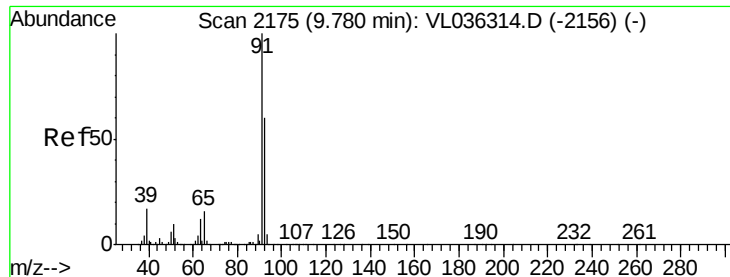
MMDadoda
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#52
Tetrachloroethene
Concen: 8.890 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion: 164 Resp: 1099941
Ion Ratio Lower Upper
164 100
166 127.8 97.8 146.8
129 109.7 84.9 127.3
131 106.6 81.4 122.2





#53

Toluene

Concen: 10.094 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.03 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3695196

Ion Ratio Lower Upper

91 100

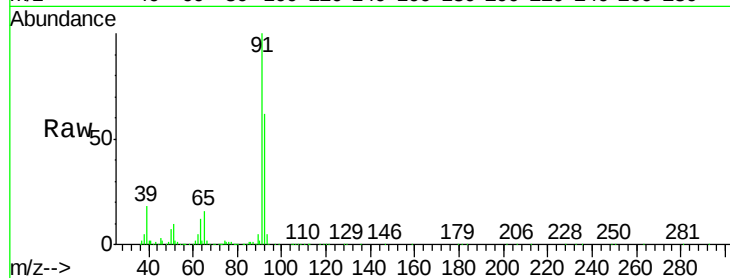
92 61.0 48.6 72.8

Manual Integrations

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2/26/2021 4:16:42 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.81

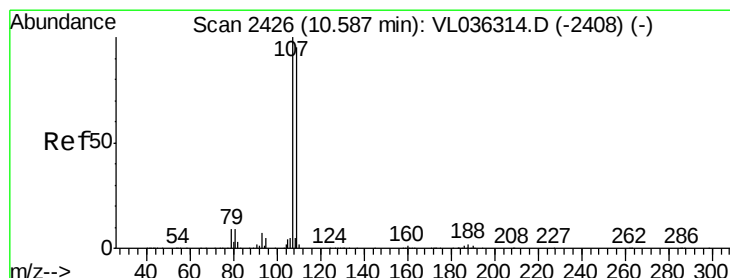
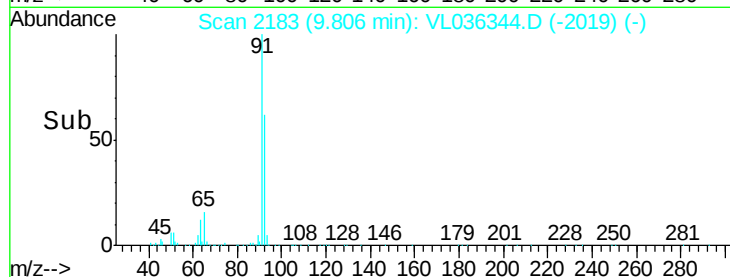
1500000

1000000

500000

0

Time-->



#54

1,2-Dibromoethane

Concen: 9.720 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. 0.02 min

Lab File: VL036344.D

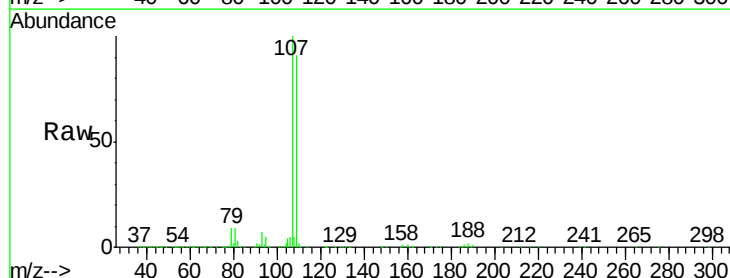
Acq: 24 Feb 2021 9:42

Tgt Ion:107 Resp: 1973716

Ion Ratio Lower Upper

107 100

109 90.7 76.0 114.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.61

1000000

800000

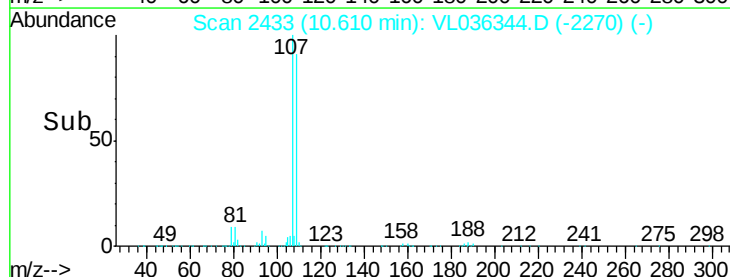
600000

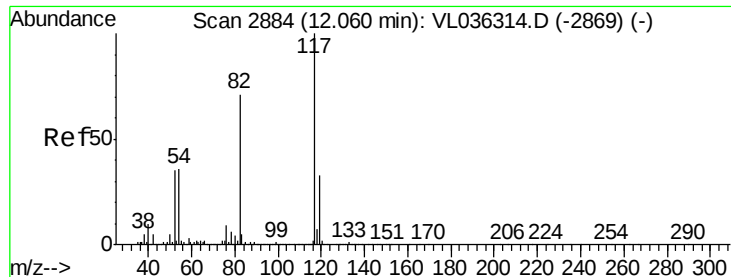
400000

200000

0

Time-->





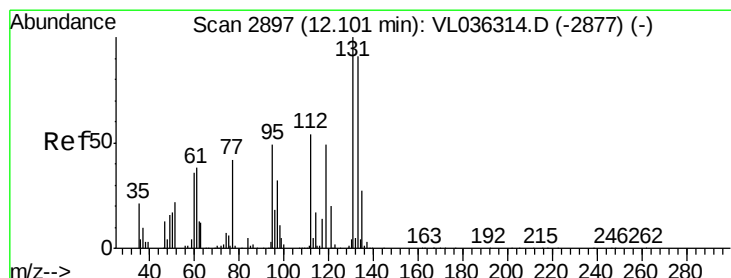
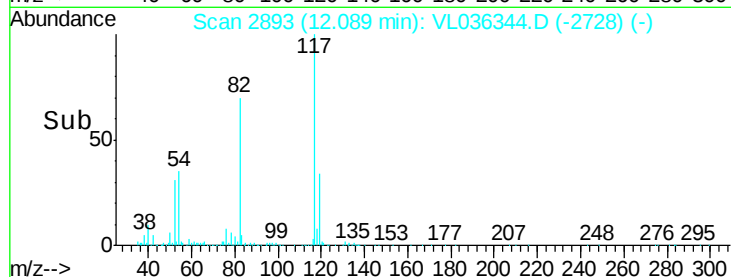
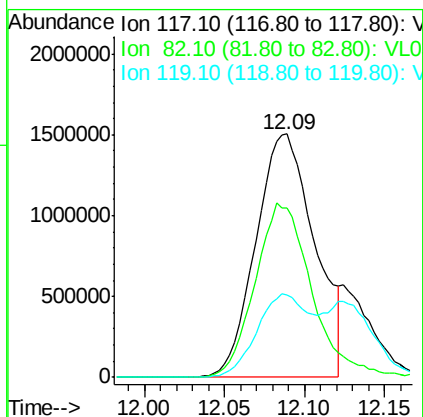
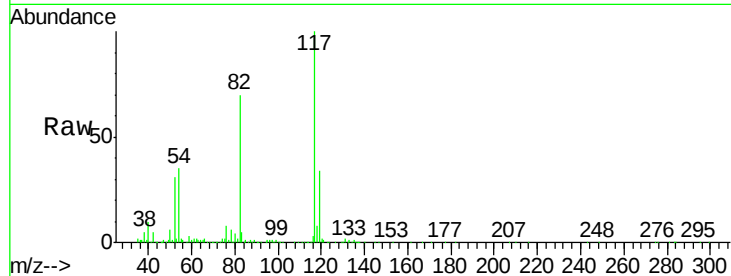
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.03 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.9	59.1	88.7
119	31.1	46.3	69.5#

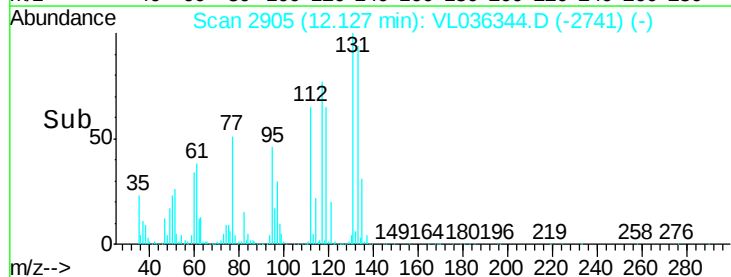
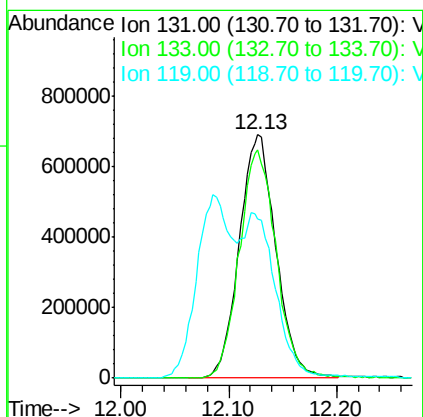
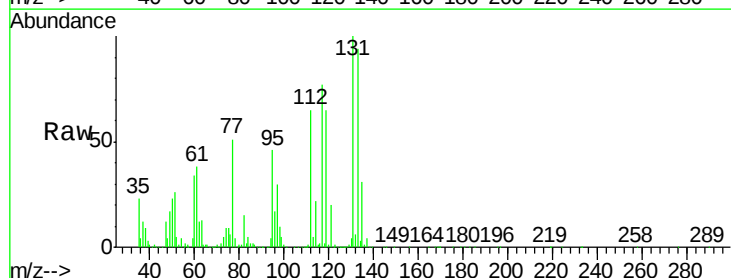
Manual Integrations
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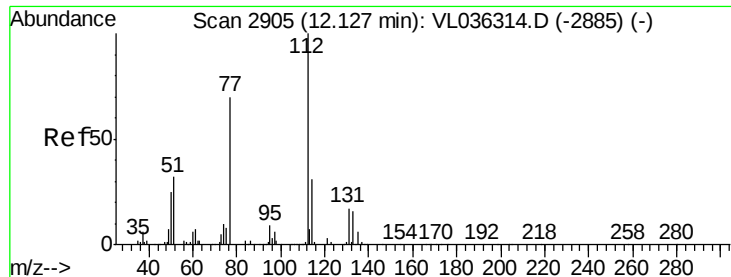
MMDadoda
2/26/2021 4:16:42 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.245 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.03 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	76.0	114.0
119	56.8	115.1	172.7#





#57

Chlorobenzene

Concen: 8.973 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 112 Resp: 2659713

Ion Ratio Lower Upper

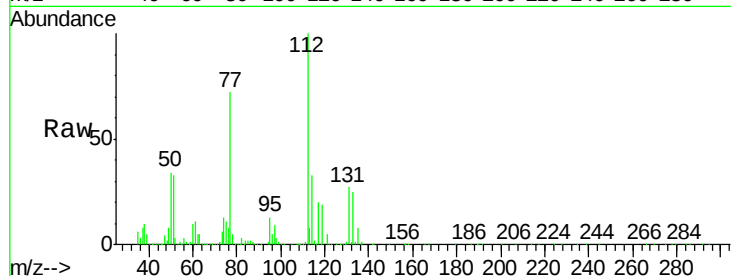
112 100

77 71.0 56.1 84.1

114 33.1 28.3 34.5

Manual Integrations
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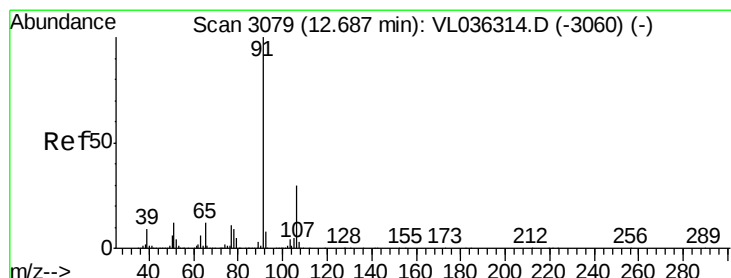
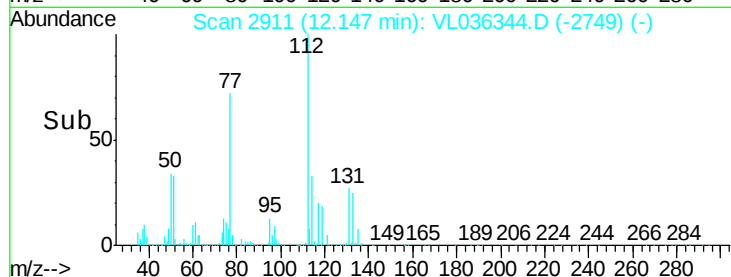
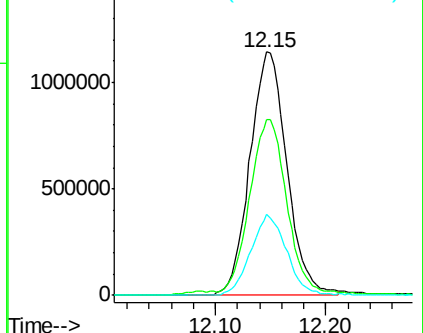
MMDadoda
2/26/2021 4:16:42 PM



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: 9.485 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. 0.03 min

Lab File: VL036344.D

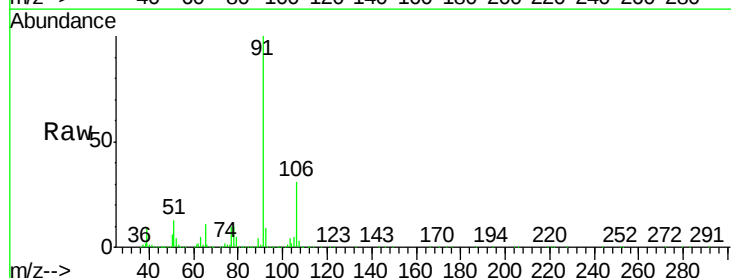
Acq: 24 Feb 2021 9:42

Tgt Ion: 91 Resp: 4982799

Ion Ratio Lower Upper

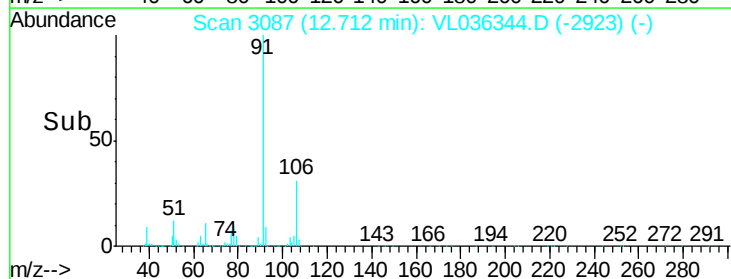
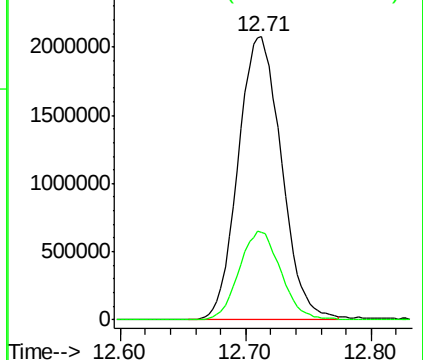
91 100

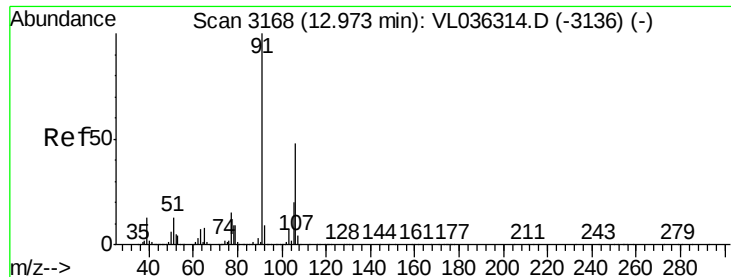
106 31.0 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





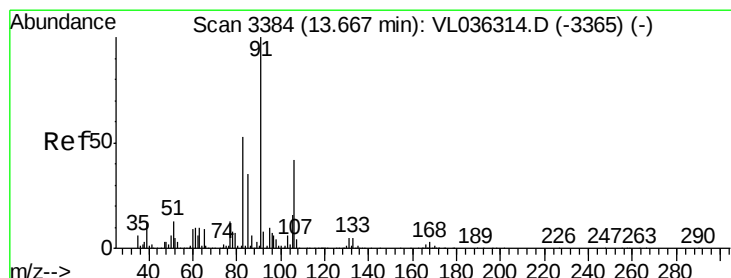
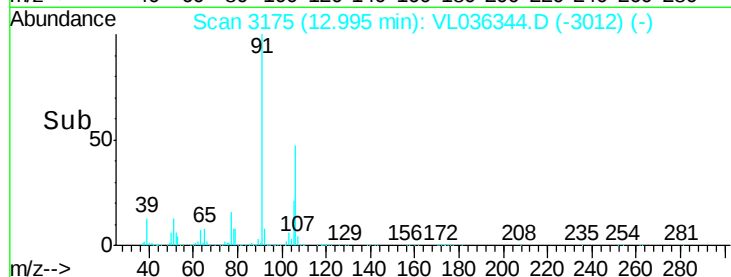
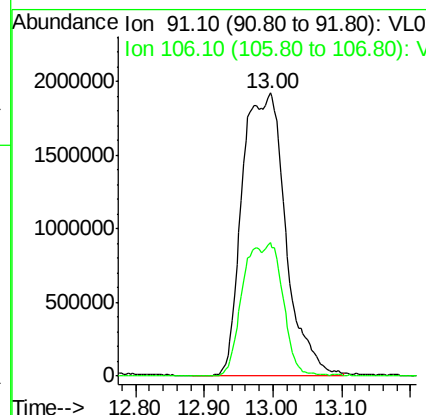
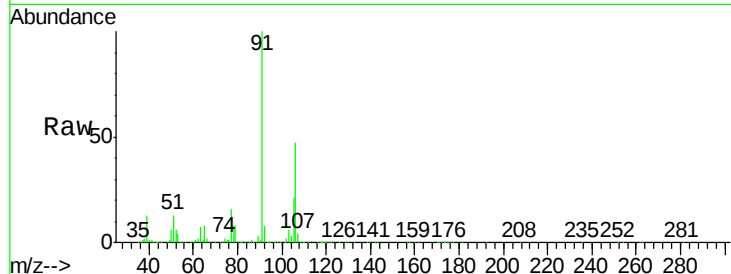
#59
m/p-Xylene
Concen: 18.273 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8431991
Ion Ratio Lower Upper
91 100
106 43.3 34.2 51.2

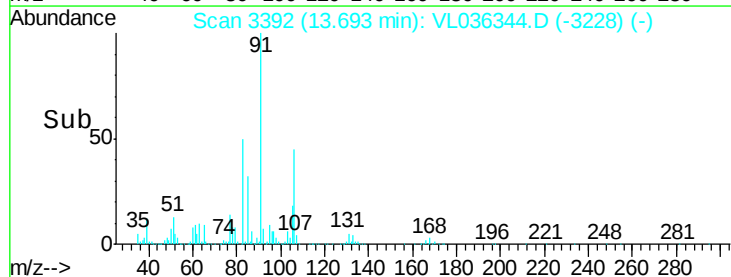
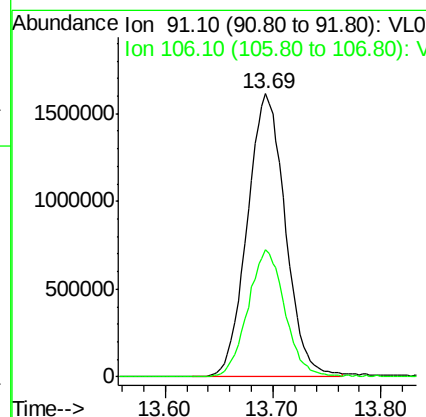
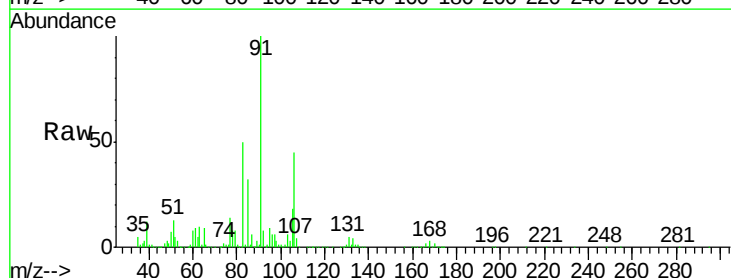
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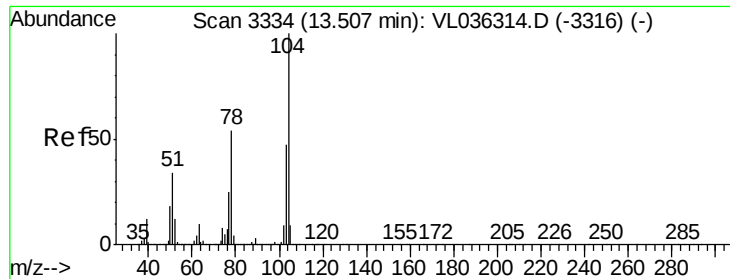
MMDadoda
2/26/2021 4:16:42 PM



#60
o-Xylene
Concen: 8.945 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.03 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion: 91 Resp: 3946475
Ion Ratio Lower Upper
91 100
106 44.3 22.0 66.0





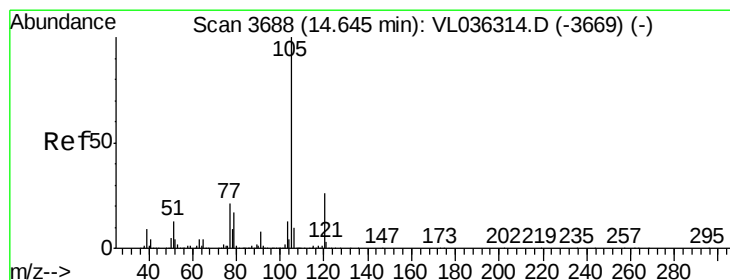
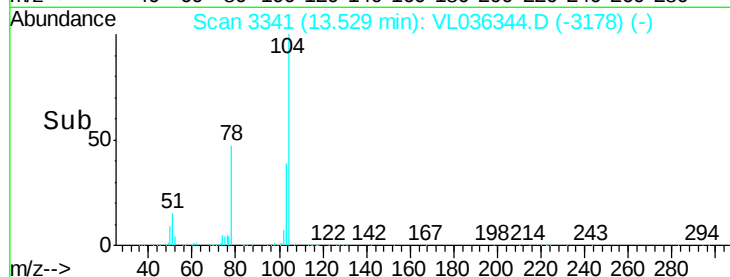
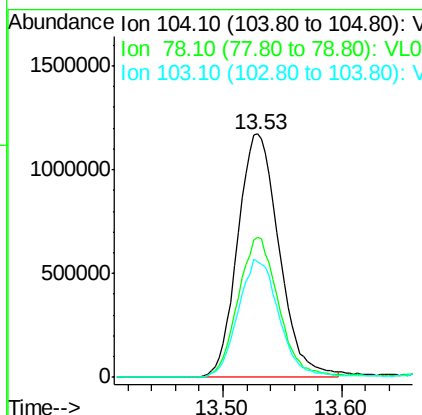
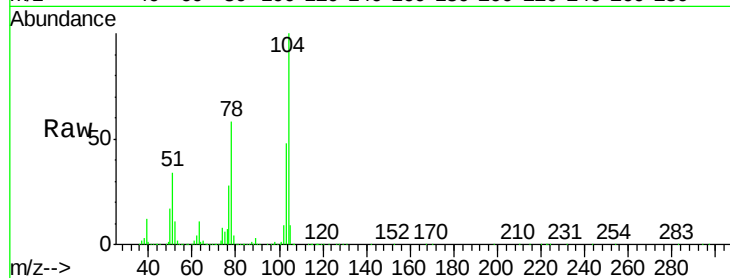
#61
Stvrene
Concen: 10.322 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.1	46.2	69.2
103	48.4	38.3	57.5

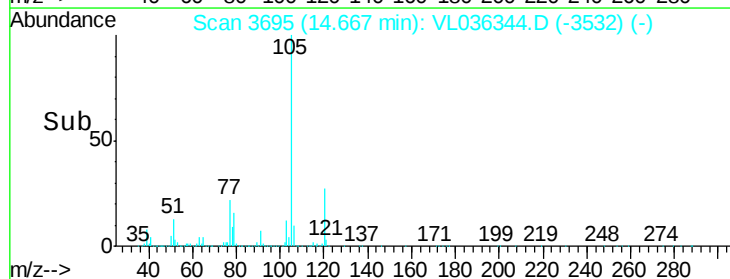
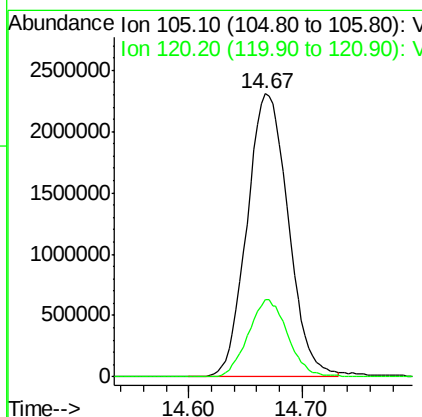
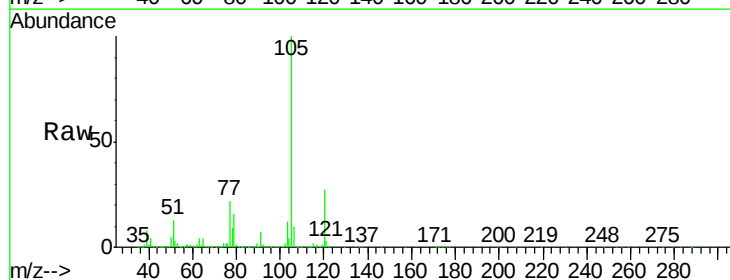
Manual Integrations
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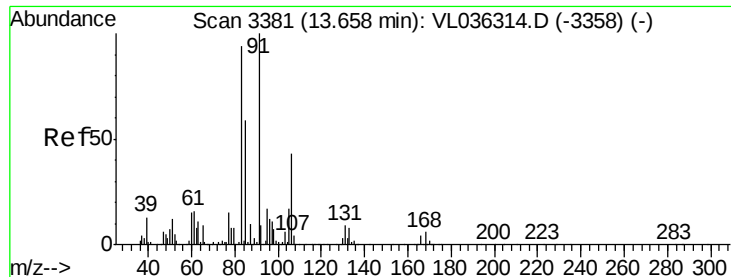
MMDadoda
2/26/2021 4:16:42 PM



#62
Isopropylbenzene
Concen: 8.846 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.6	30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 8.094 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2817589

Ion Ratio Lower Upper

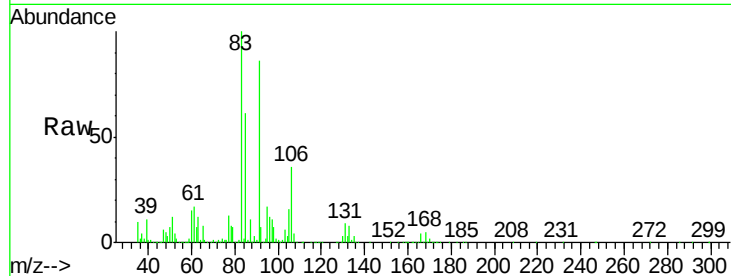
83 100

131 9.1 4.7 14.0

85 66.5 33.0 98.9

Manual Integrations
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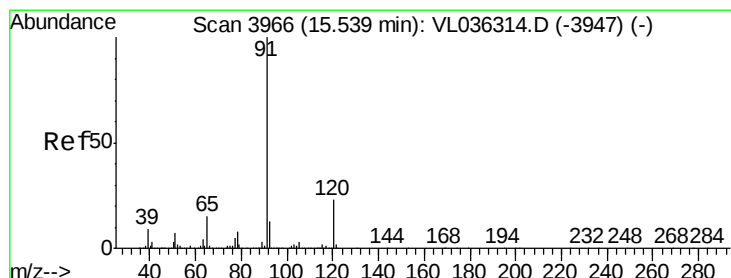
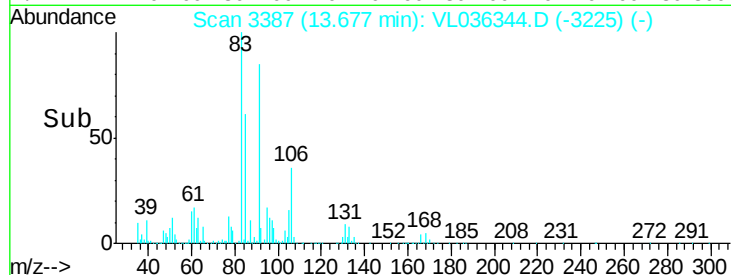
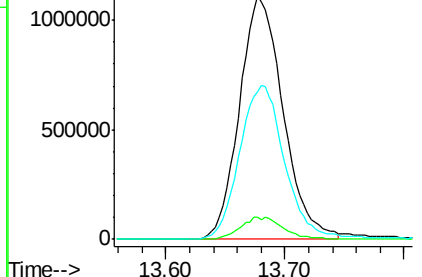
MMDadoda
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.405 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.03 min

Lab File: VL036344.D

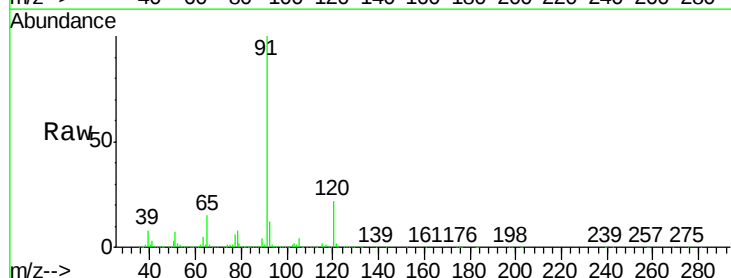
Acq: 24 Feb 2021 9:42

Tgt Ion: 120 Resp: 1530684

Ion Ratio Lower Upper

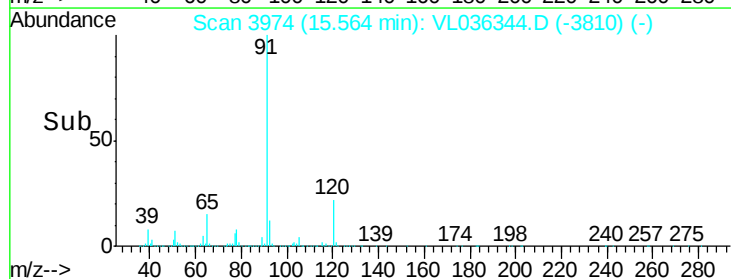
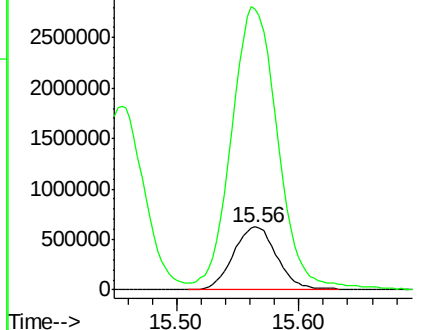
120 100

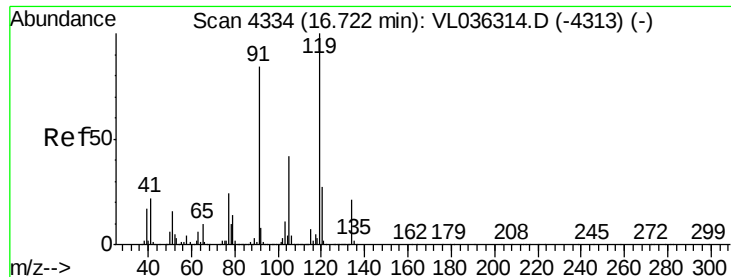
91 484.2 387.2 580.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





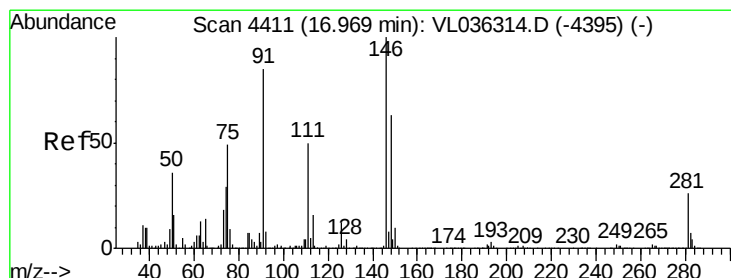
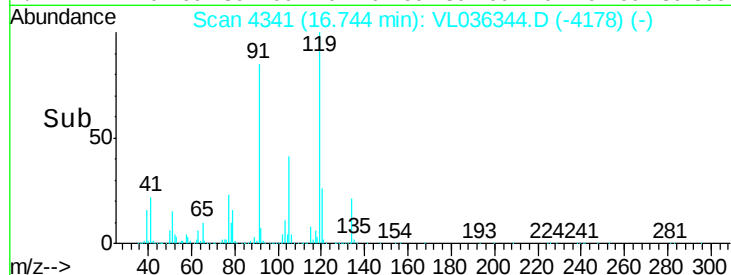
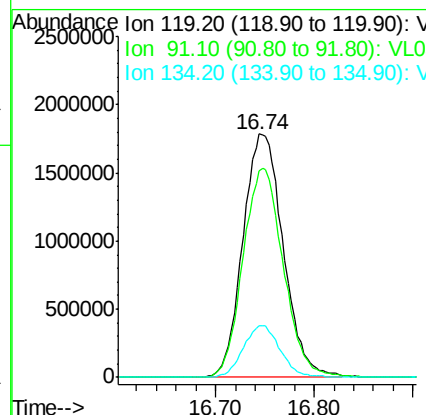
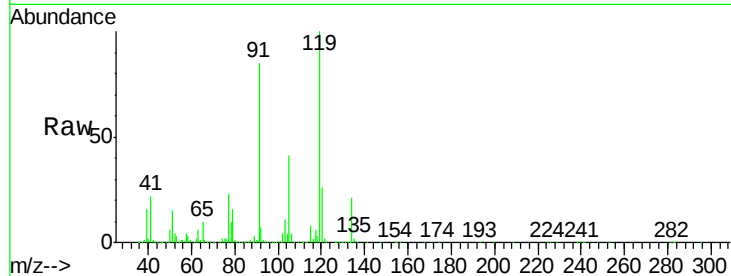
#65
tert-Butylbenzene
Concen: 8.902 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	86.3	70.5	105.7
134	19.7	15.8	23.8

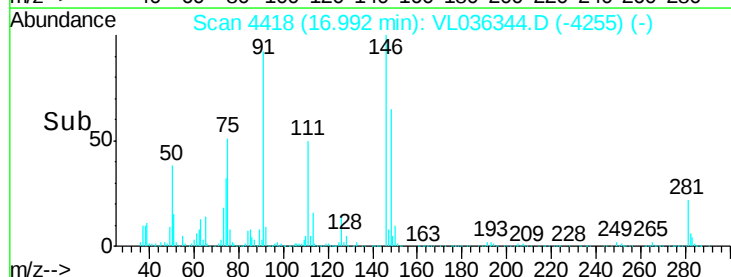
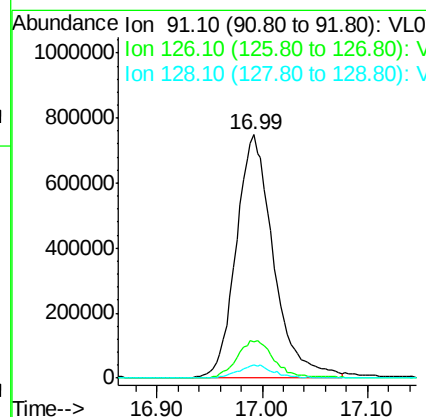
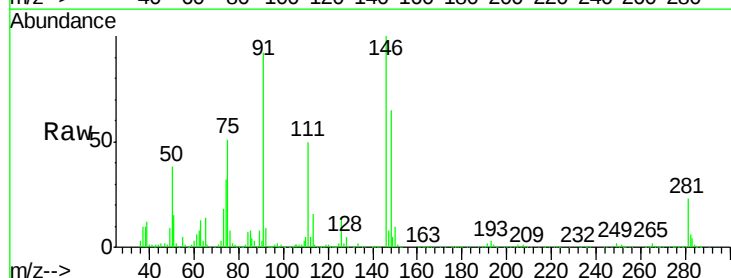
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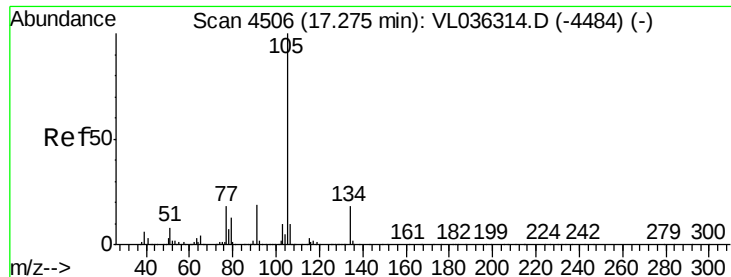
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#66
Benzyl Chloride
Concen: 11.875 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.0	12.9	19.3
128	5.4	4.2	6.2





#67

sec-Butylbenzene

Concen: 8.733 ppbv

RT: 17.30 min Scan# 4513

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 7126213

Ion Ratio Lower Upper

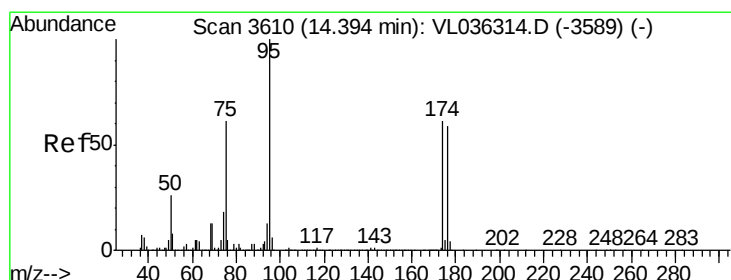
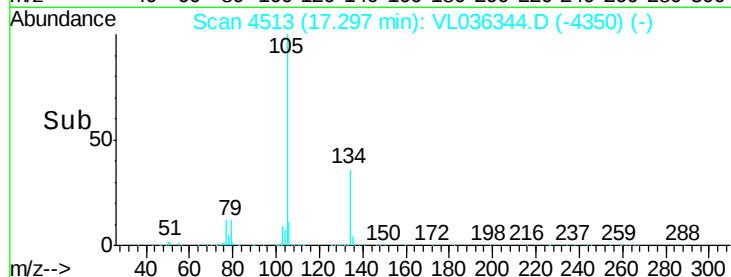
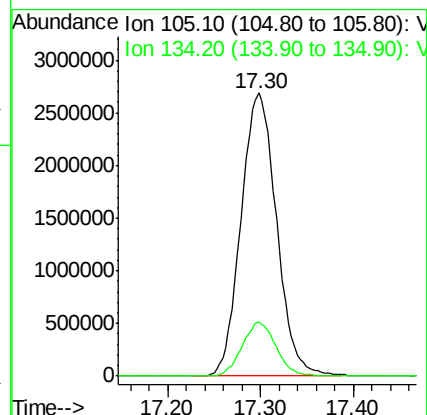
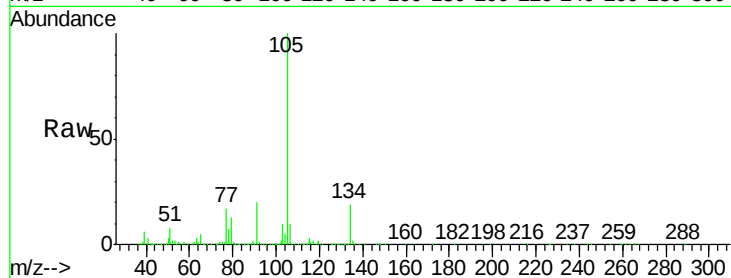
105 100

134 18.3 14.2 21.4

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.964 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

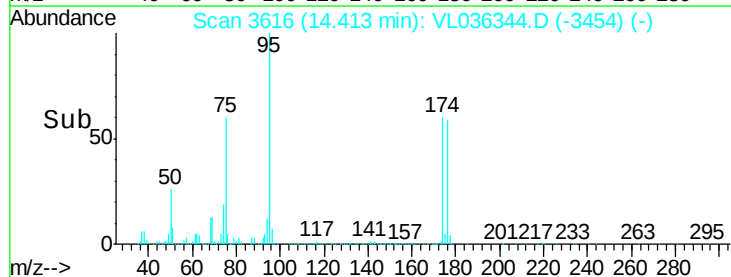
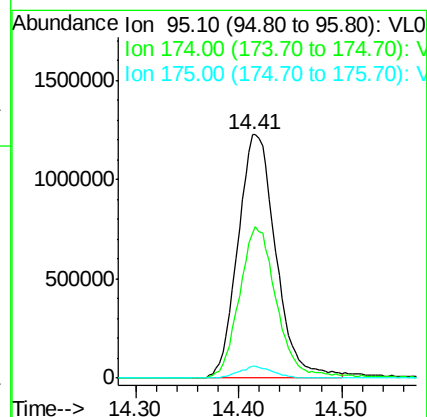
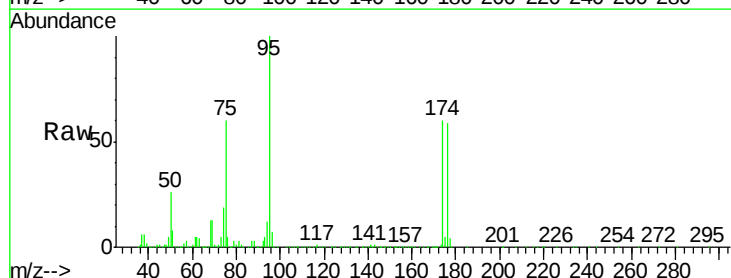
Tgt Ion: 95 Resp: 3145269

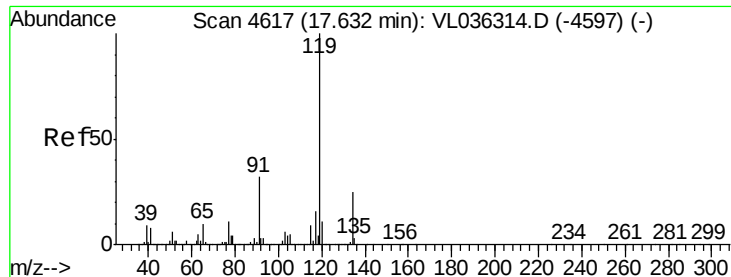
Ion Ratio Lower Upper

95 100

174 61.7 49.8 74.6

175 4.6 3.7 5.5





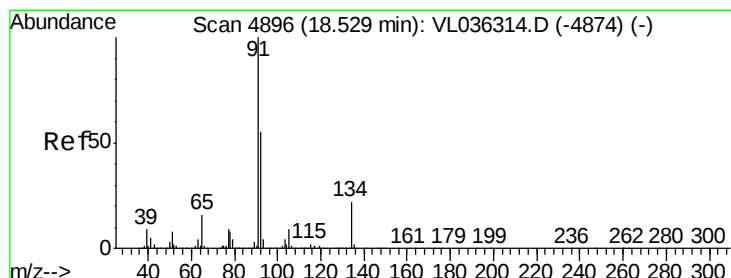
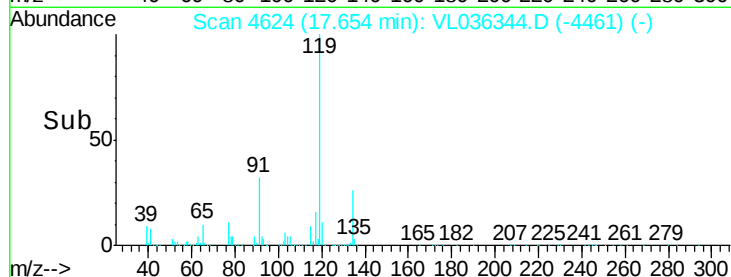
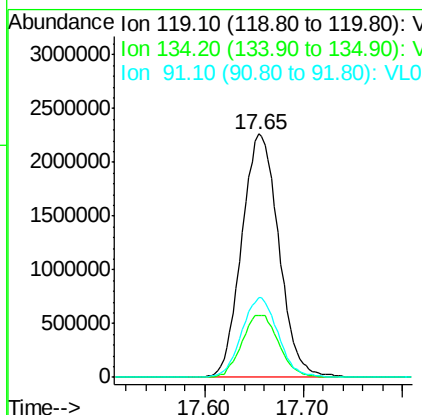
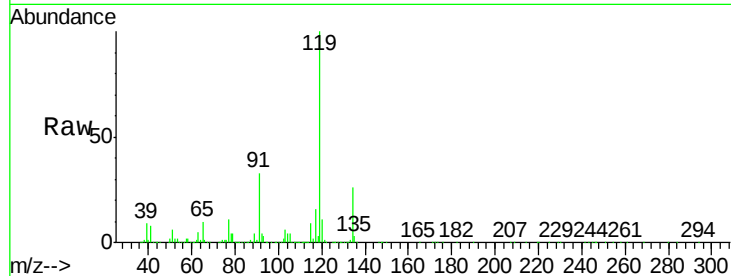
#69
 p-Isopropyltoluene
 Concen: 9.296 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.1	30.1
91	32.1	25.8	38.6

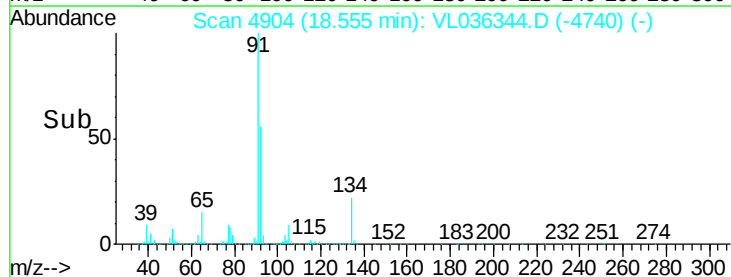
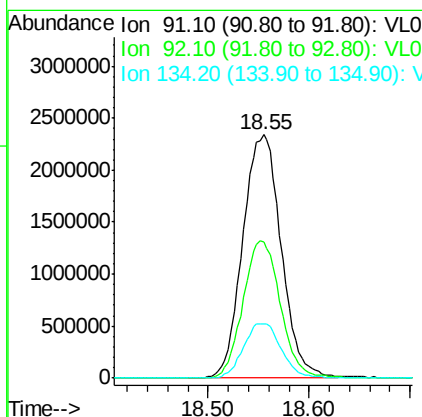
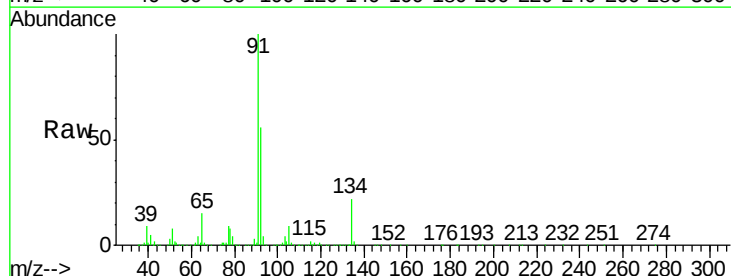
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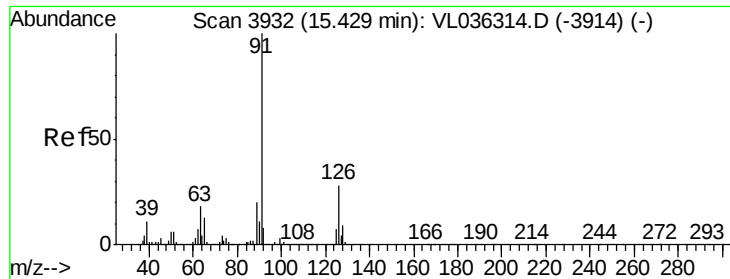
MMDadoda
 2/26/2021 4:16:42 PM



#70
 n-Butylbenzene
 Concen: 9.142 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. 0.03 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.1	43.7	65.5
134	22.1	17.4	26.0





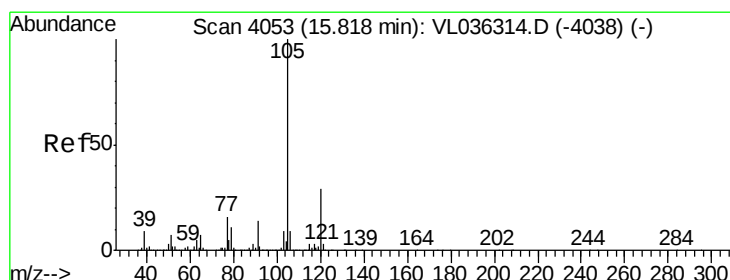
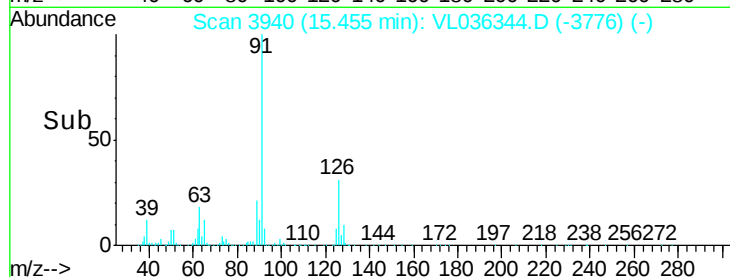
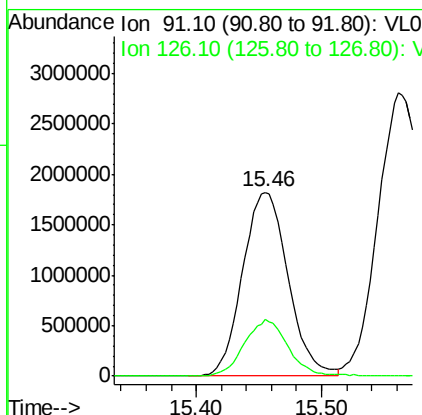
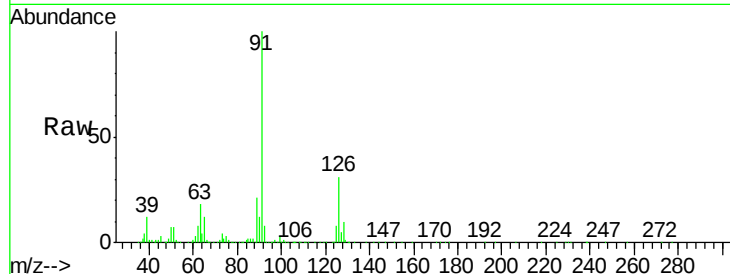
#71
 2-Chlorotoluene
 Concen: 9.077 ppbv
 RT: 15.46 min Scan# 3940
 Delta R.T. 0.03 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 4601440
 Ion Ratio Lower Upper
 91 100
 126 30.2 11.5 46.1

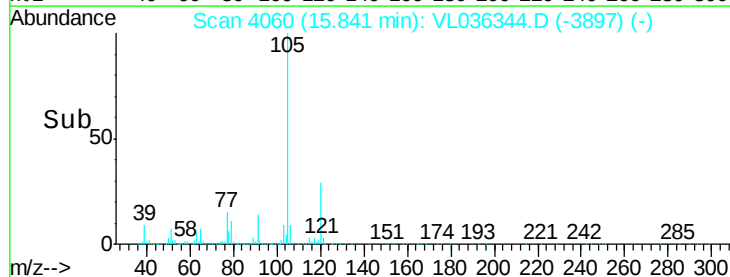
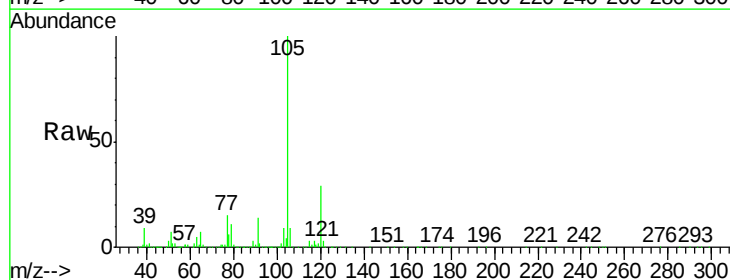
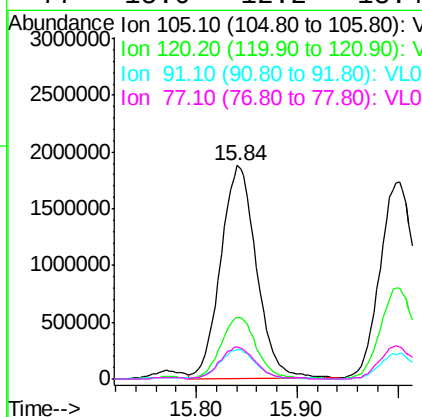
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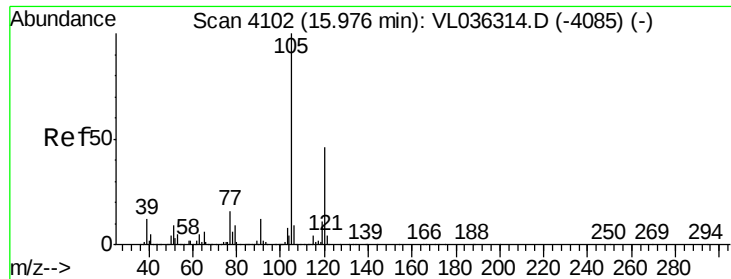
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 2/26/2021 4:16:42 PM



#72
 4-Ethyltoluene
 Concen: 9.394 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Tgt Ion: 105 Resp: 4612603
 Ion Ratio Lower Upper
 105 100
 120 29.3 23.2 34.8
 91 13.9 11.0 16.4
 77 15.0 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 9.068 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. 0.03 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4315853

Ion Ratio Lower Upper

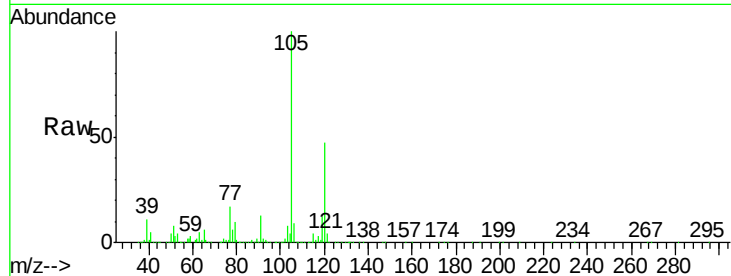
105 100

120 46.7 36.9 55.3

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

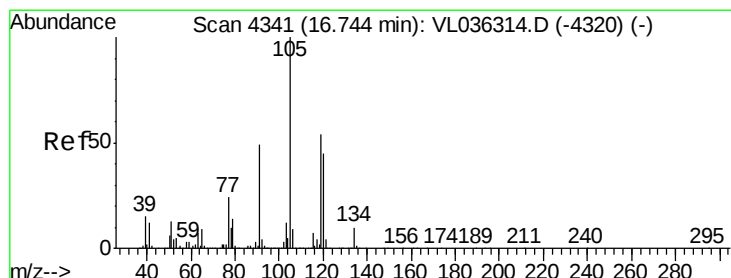
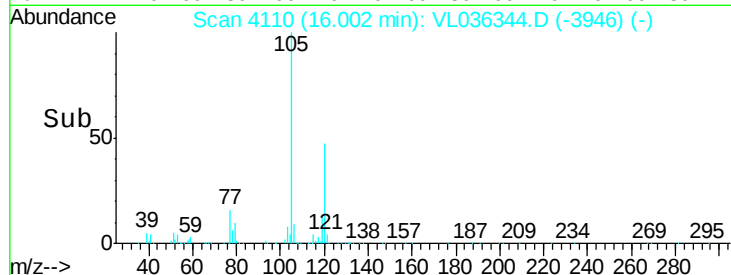
1000000

500000

0

15.90 16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.061 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Tgt Ion:105 Resp: 4402804

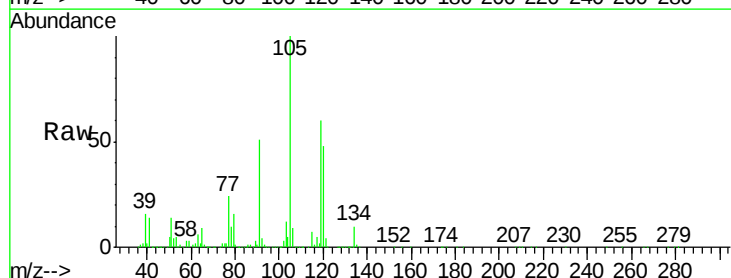
Ion Ratio Lower Upper

105 100

120 47.6 35.8 53.6

91 51.1 39.8 59.6

77 24.1 19.1 28.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

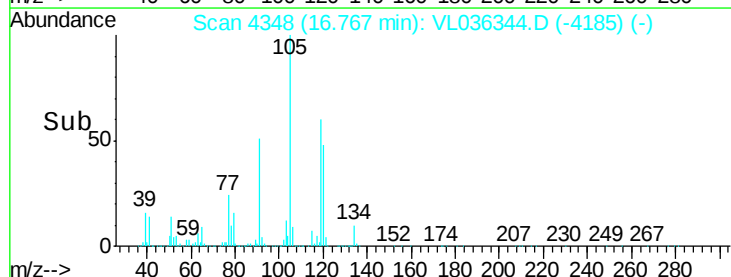
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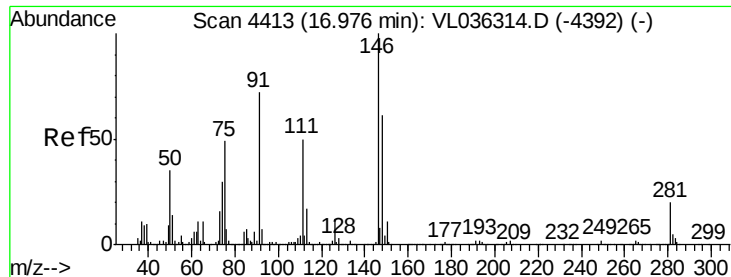
500000

0

16.70 16.80 16.90

Time-->





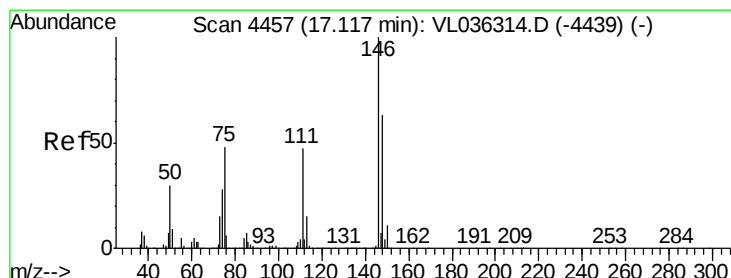
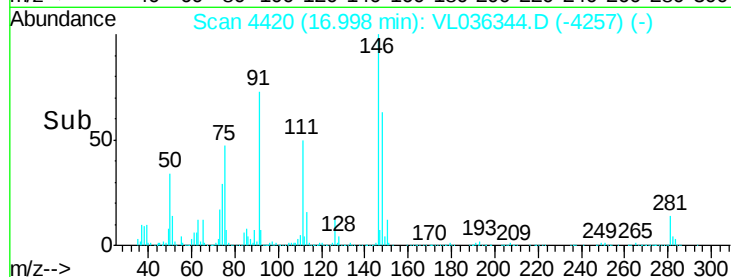
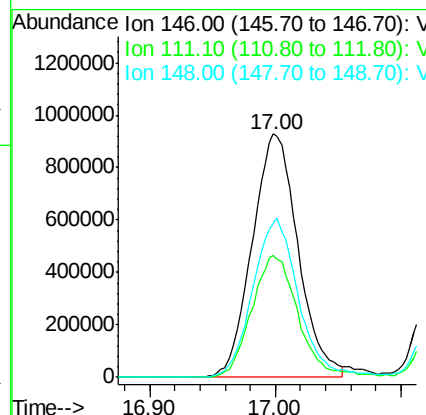
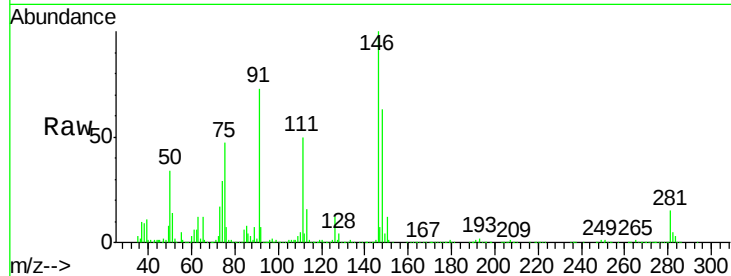
#75
 1,3-Dichlorobenzene
 Concen: 8.938 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.0	24.9	74.6
148	65.2	31.9	95.9

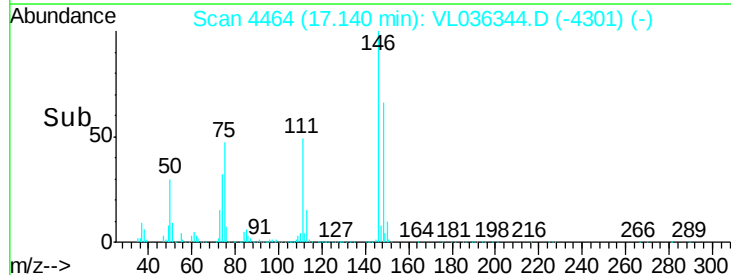
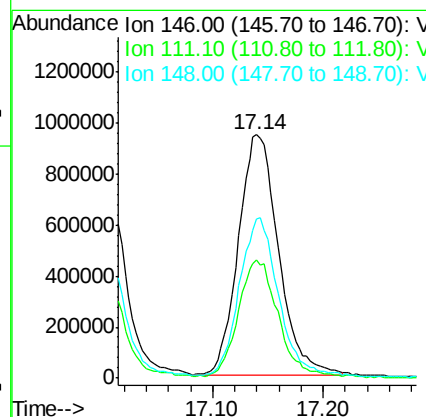
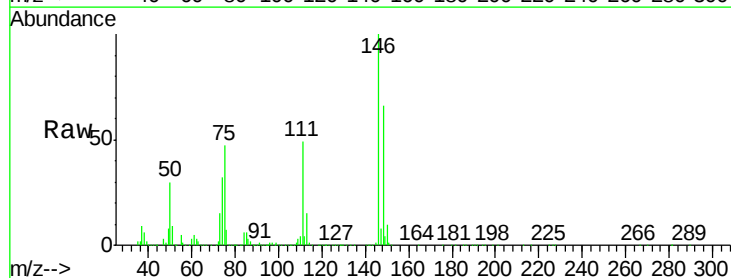
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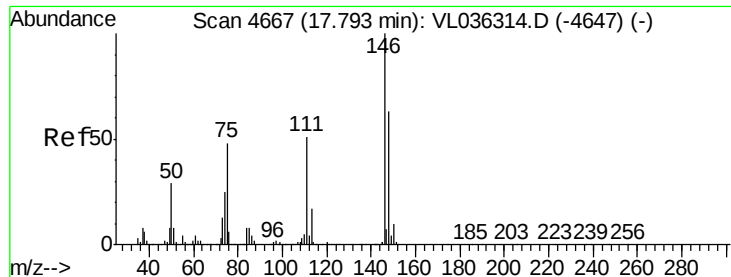
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#76
 1,4-Dichlorobenzene
 Concen: 8.676 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.3	23.6	71.0
148	66.7	31.6	95.0





#77

1,2-Dichlorobenzene

Concen: 9.010 ppbv

RT: 17.82 min Scan# 4676

Delta R.T. 0.03 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2357475

Ion Ratio Lower Upper

146 100

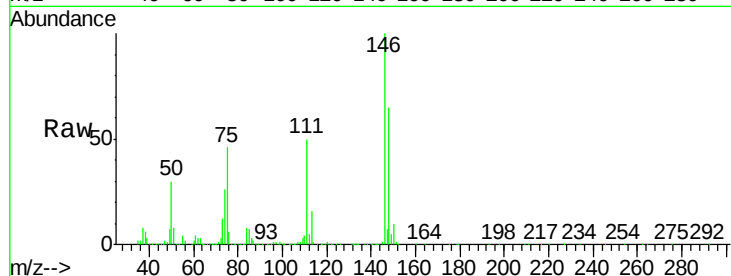
111 51.2 25.9 77.8

148 64.8 32.5 97.4

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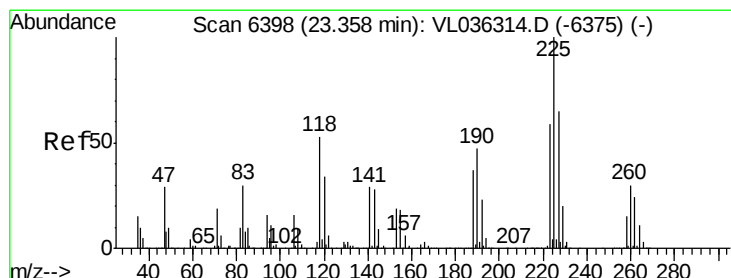
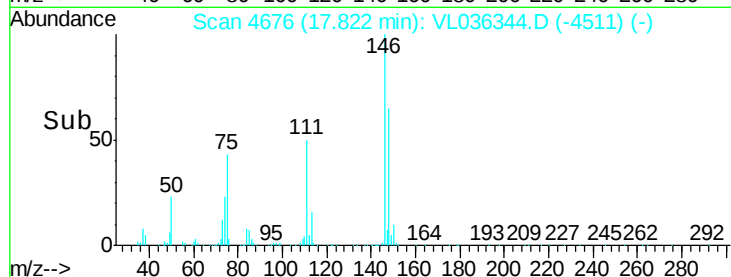
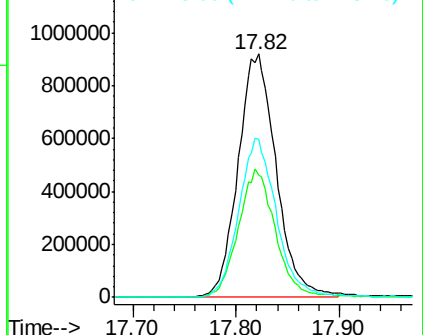


Abundance

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: 7.904 ppbv

RT: 23.38 min Scan# 6404

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

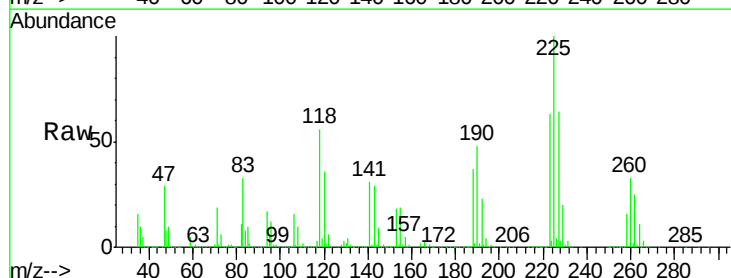
Tgt Ion:225 Resp: 1689450

Ion Ratio Lower Upper

225 100

223 64.0 50.8 76.2

227 65.0 52.2 78.2

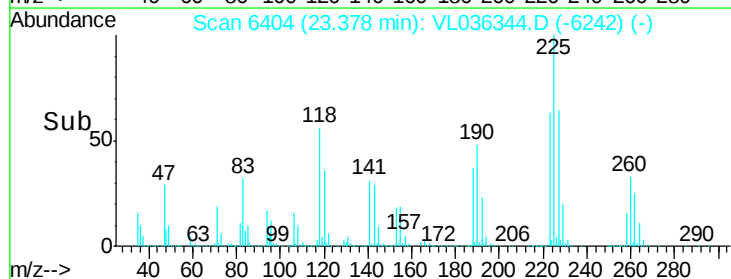
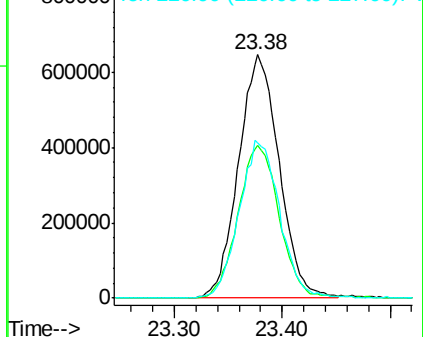


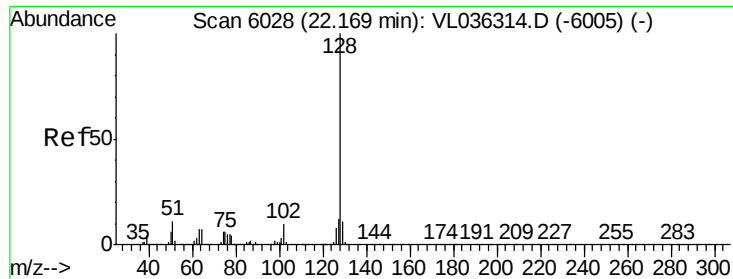
Abundance

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





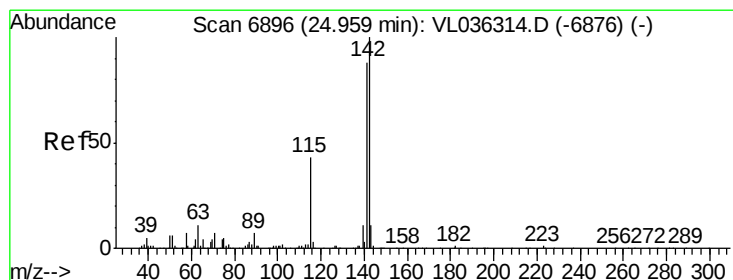
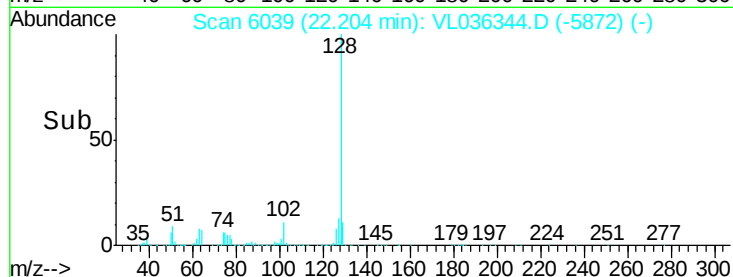
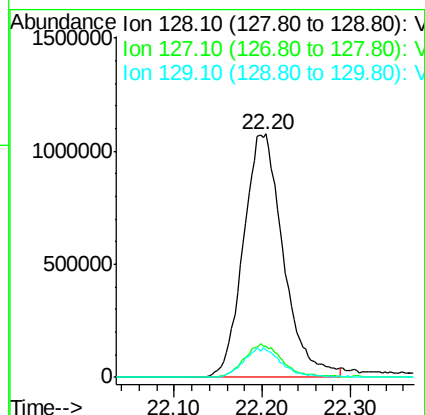
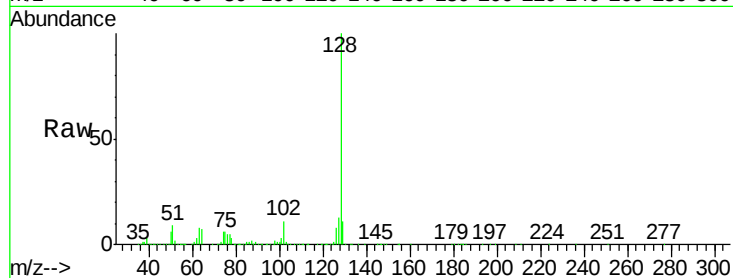
#79
Naphthalene
Concen: 11.721 ppbv m
RT: 22.20 min Scan# 6039
Delta R.T. 0.04 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.6	14.4
129	11.1	8.5	12.7

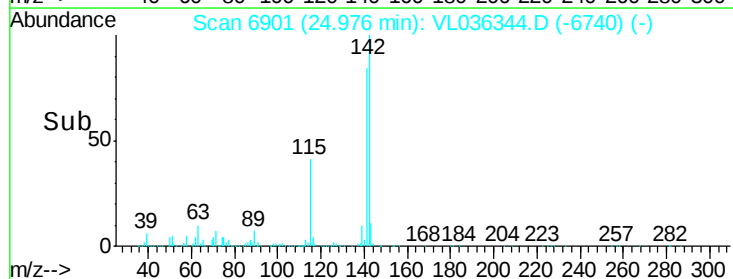
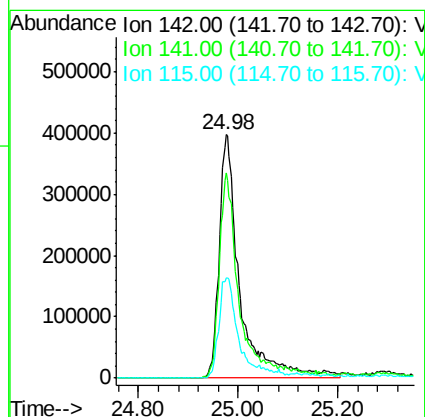
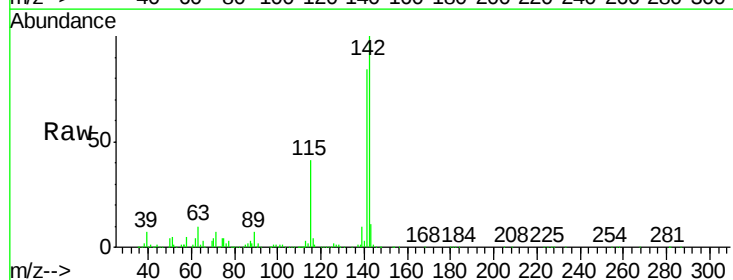
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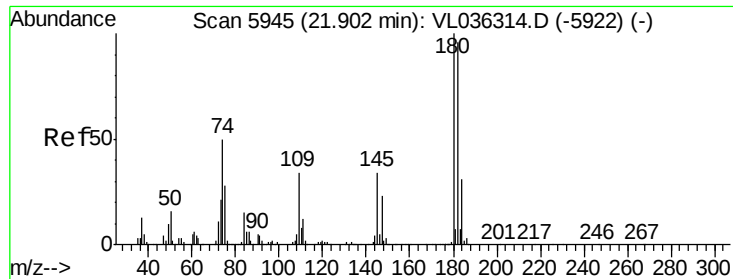
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#80
Naphthalene, 2-methyl-
Concen: 21.608 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.4	64.4	96.6
115	42.9	34.6	51.8





#81
 1,2,4-Trichlorobenzene
 Concen: 9.899 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. 0.03 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.1	80.2	120.4
184	31.8	25.0	37.6

Manual Integrations
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