

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
 Data File : VL036628.D
 Acq On : 1 Apr 2021 12:03
 Operator : SY/AP
 Sample : VL0401ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0401ABS01

Manual Integrations
 APPROVED

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 4/2/2021 6:55:01 PM

Quant Time: Apr 02 01:29:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1518314	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3787071	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3471657m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2743445	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2084094	8.416	ppbv	99
3) Chlorodifluoromethane	2.99	51	2655956	9.363	ppbv	99
4) Chloromethane	3.15	50	914061	9.122	ppbv	97
5) Vinyl Chloride	3.26	62	915463	8.886	ppbv	98
6) Bromomethane	3.48	94	507485	8.947	ppbv	96
7) Chloroethane	3.56	64	301042	8.503	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	2098902	8.880	ppbv	97
9) Propene	3.02	41	923780	10.215	ppbv	97
10) Heptane	8.13	43	2301657	9.990	ppbv	99
11) Trichlorofluoromethane	3.96	101	2060307	8.164	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1386916	8.595	ppbv	99
13) Ethanol	3.62	45	92282	8.569	ppbv	94
14) Bromoethene	3.75	108	619396	9.234	ppbv	99
15) Acetone	3.86	43	1228177	8.219	ppbv	99
16) 1,3-Butadiene	3.33	39	937848	9.014	ppbv	97
17) tert-Butyl alcohol	4.30	59	1258591	9.675	ppbv	99
18) 1,1-Dichloroethene	4.29	96	620094	8.640	ppbv	98
19) Isopropyl Alcohol	3.98	45	751236	9.139	ppbv	# 98
20) Methylene Chloride	4.35	84	549544	7.854	ppbv	94
21) Allyl Chloride	4.42	41	1095344	9.195	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	607603	9.131	ppbv	94
23) Vinyl Acetate	5.08	43	2464960	9.643	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1566832	8.409	ppbv	99
25) Ethyl Acetate	5.69	43	3445249	9.697	ppbv	100
26) Hexane	5.70	57	1656781	10.049	ppbv	98
27) Carbon Disulfide	4.56	76	1623598	9.997	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1863185	9.583	ppbv	99
29) Chloroform	5.76	83	2544857	9.652	ppbv	99
30) Cyclohexane	7.14	84	1389257	10.390	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1651350	10.356	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	2596512	9.771	ppbv	99
34) 2-Butanone	5.25	43	1790904	9.688	ppbv	99
35) Carbon Tetrachloride	7.03	117	2697036	9.272	ppbv	98
36) Benzene	6.90	78	3385517	9.693	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1918311	9.332	ppbv	99
38) Trichloroethene	7.84	130	1217534	8.957	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1356285	9.573	ppbv	97
40) 1,4-Dioxane	7.85	88	311976m	9.461	ppbv	
41) Tetrahydrofuran	6.06	42	846541	9.932	ppbv	95
42) Bromodichloromethane	7.81	83	2779886	9.942	ppbv	99
43) Methyl Methacrylate	8.03	69	1241484	10.585	ppbv	99

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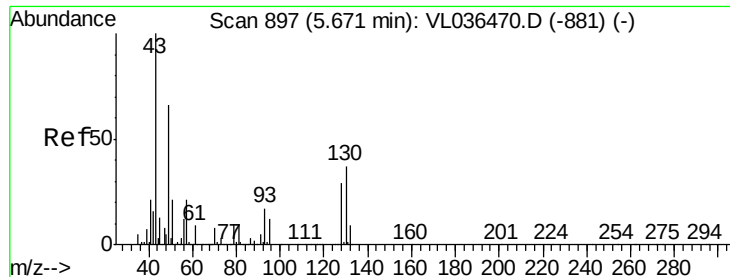
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5647149	9.187	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1532698	11.445	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1891234	11.048	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1356648	9.454	ppbv	97
48) Dibromochloromethane	10.32	129	2257227	10.318	ppbv	100
49) Bromoform	13.05	173	1789999	10.155	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	2739940	10.243	ppbv	100
51) 2-Hexanone	10.15	43	1506366	11.160	ppbv #	99
52) Tetrachloroethene	11.24	164	1120866	8.715	ppbv	98
53) Toluene	9.82	91	3782809	10.170	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1970787	9.725	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	1486653	9.468	ppbv	97
57) Chlorobenzene	12.16	112	2712100	9.181	ppbv	97
58) Ethyl Benzene	12.73	91	4982230	9.864	ppbv	98
59) m/p-Xylene	13.01	91	8337348m	18.925	ppbv	
60) o-Xylene	13.71	91	3903267	9.164	ppbv	100
61) Styrene	13.54	104	2350828	10.970	ppbv	100
62) Isopropylbenzene	14.68	105	5256591	9.164	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	2811421	8.652	ppbv	99
64) n-propylbenzene	15.58	120	1378423	9.829	ppbv	99
65) tert-Butylbenzene	16.76	119	4523081	9.093	ppbv	99
66) Benzyl Chloride	17.00	91	705535	12.833	ppbv	99
67) sec-Butylbenzene	17.31	105	6347672	9.041	ppbv	100
69) p-Isopropyltoluene	17.67	119	5232615	9.544	ppbv	99
70) n-Butylbenzene	18.57	91	5422133	9.538	ppbv	99
71) 2-Chlorotoluene	15.47	91	4082007	9.497	ppbv	100
72) 4-Ethyltoluene	15.86	105	4630003	9.920	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4136122	9.494	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	4196557	9.002	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	2422536	9.232	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2343481	8.995	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2287450	9.274	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1784378	8.078	ppbv	99
79) Naphthalene	22.22	128	3088316	11.353	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	535214	9.977	ppbv	98
81) 1,2,4-Trichlorobenzene	21.95	180	1723714	10.263	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion: 49 Resp: 1518314

Ion Ratio Lower Upper

49 100

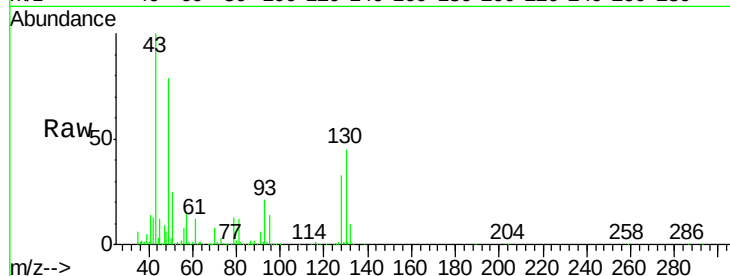
128 47.1 23.5 70.6

130 58.3 29.1 87.4

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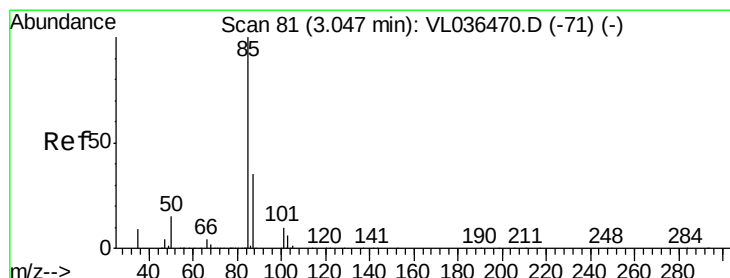
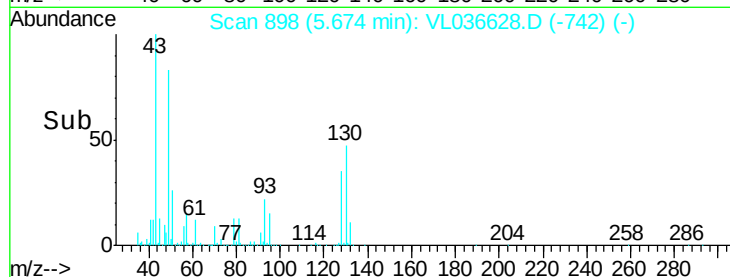
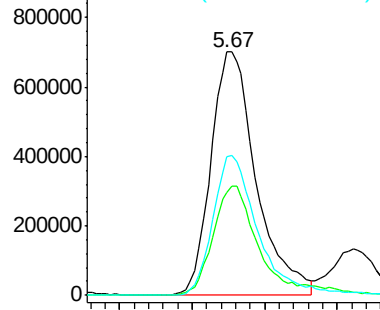
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.416 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL036628.D

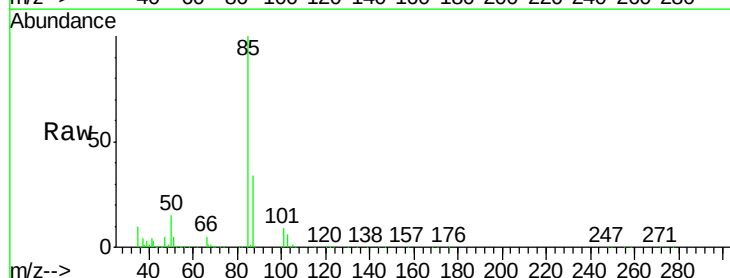
Acq: 1 Apr 2021 12:03

Tgt Ion: 85 Resp: 2084094

Ion Ratio Lower Upper

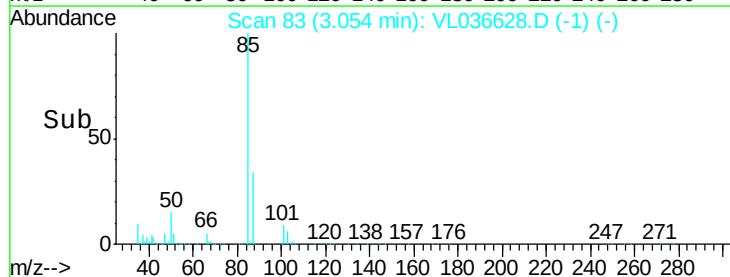
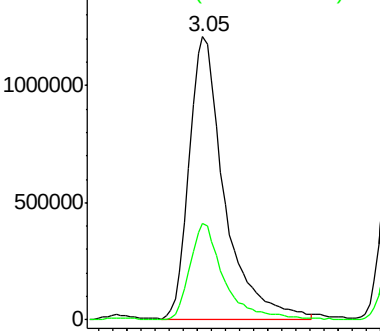
85 100

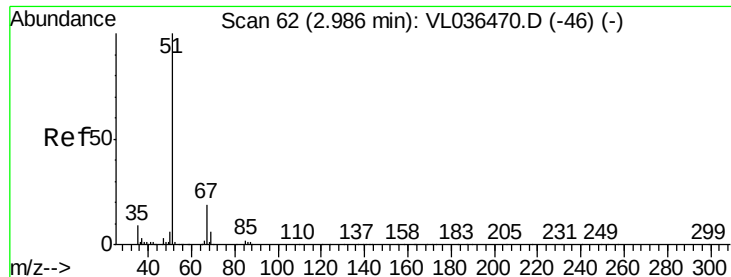
87 34.0 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





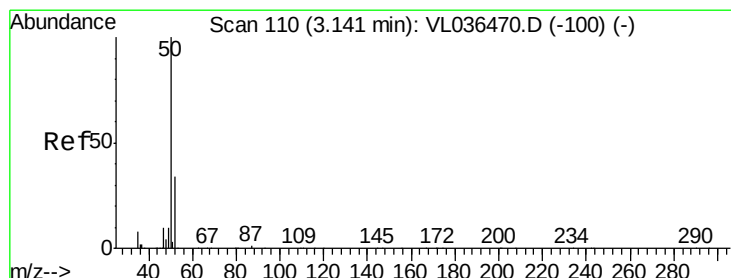
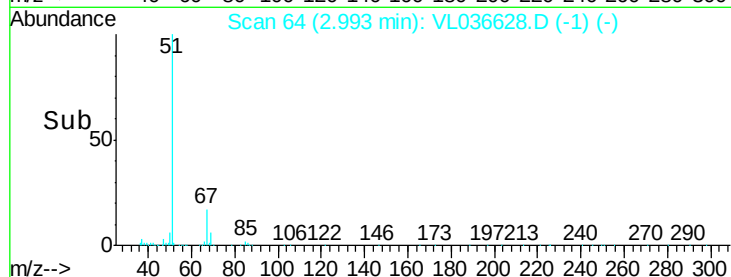
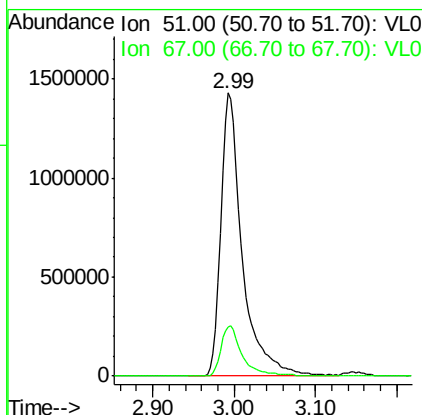
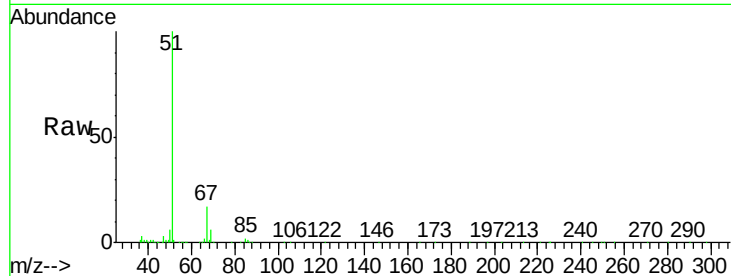
#3
Chlorodifluoromethane
Concen: 9.363 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion: 51 Resp: 2655956
Ion Ratio Lower Upper
51 100
67 18.0 14.7 22.1

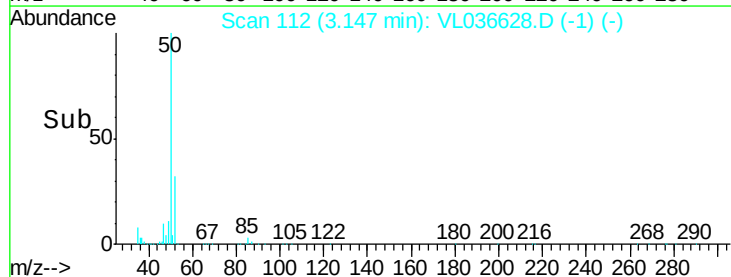
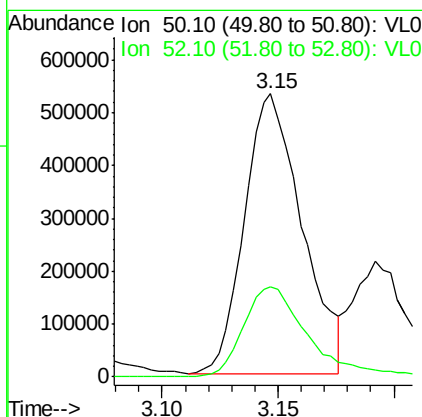
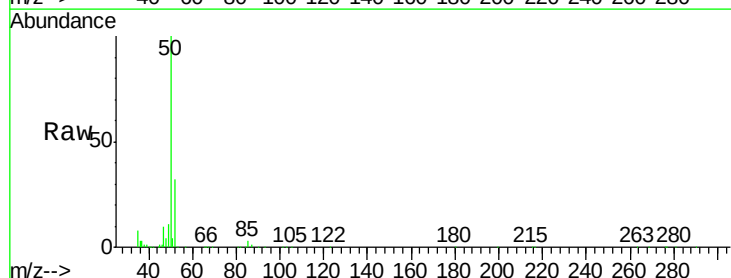
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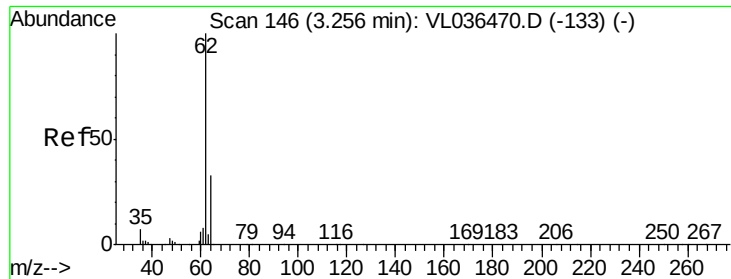
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#4
Chloromethane
Concen: 9.122 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Tgt Ion: 50 Resp: 914061
Ion Ratio Lower Upper
50 100
52 32.1 27.0 40.6





#5

Vinyl Chloride

Concen: 8.886 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion: 62 Resp: 915463

Ion Ratio Lower Upper

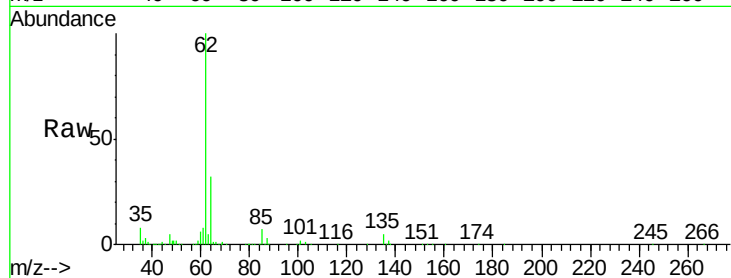
62 100

64 31.9 26.4 39.6

Manual Integrations
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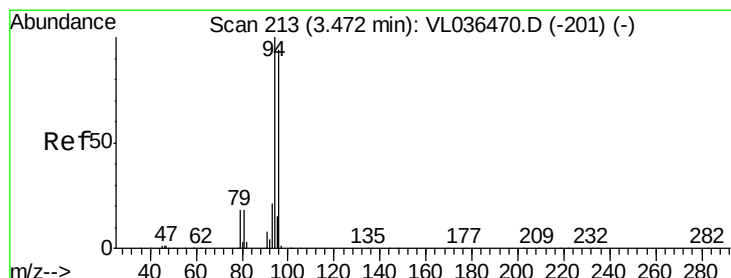
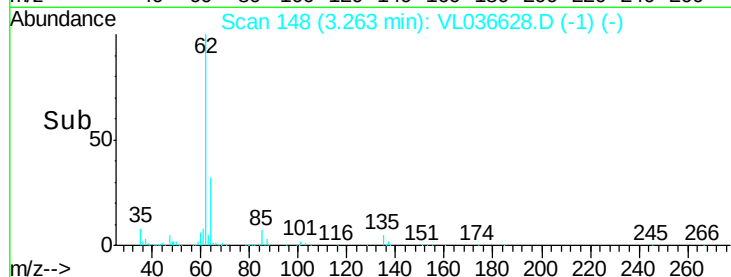
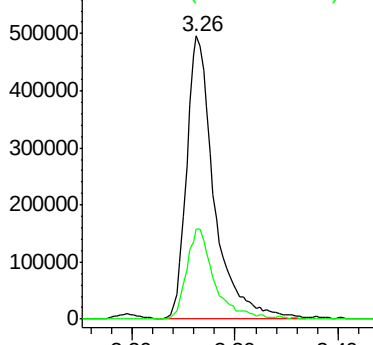
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.947 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036628.D

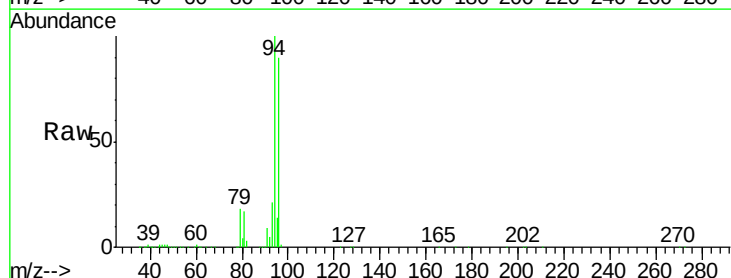
Acq: 1 Apr 2021 12:03

Tgt Ion: 94 Resp: 507485

Ion Ratio Lower Upper

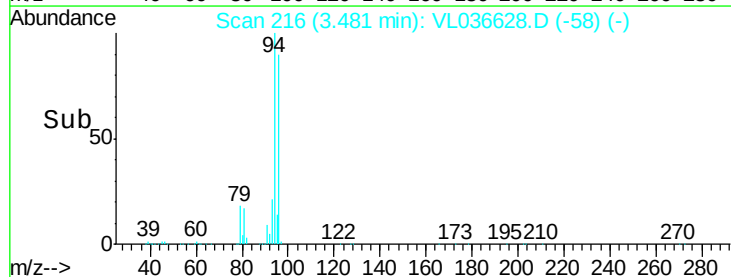
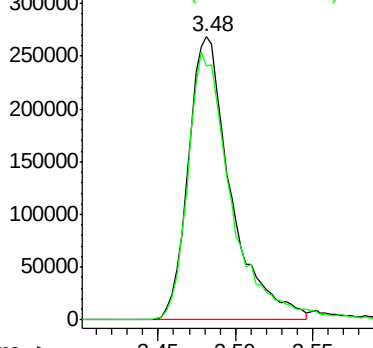
94 100

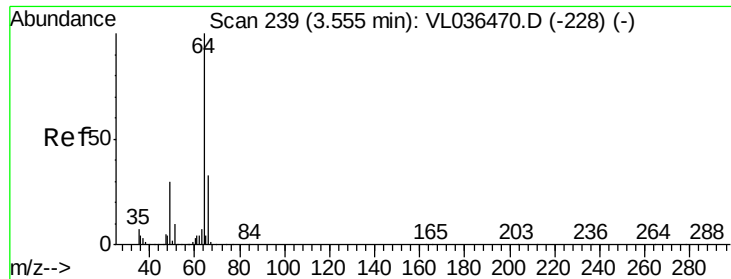
96 89.3 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.503 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion: 64 Resp: 301042

Ion Ratio Lower Upper

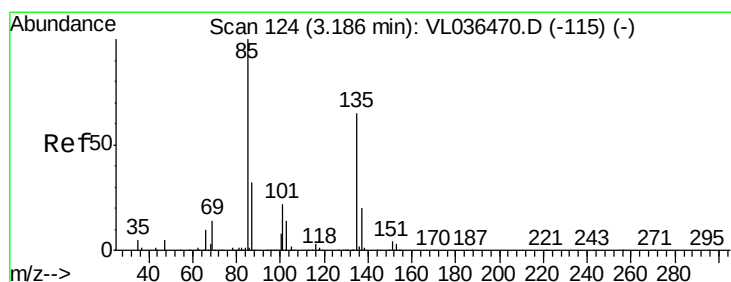
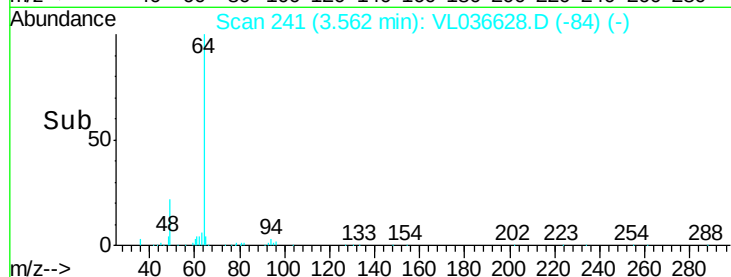
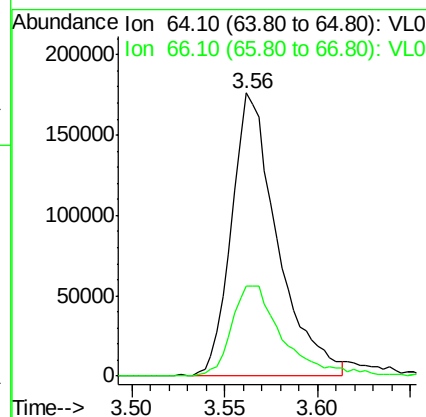
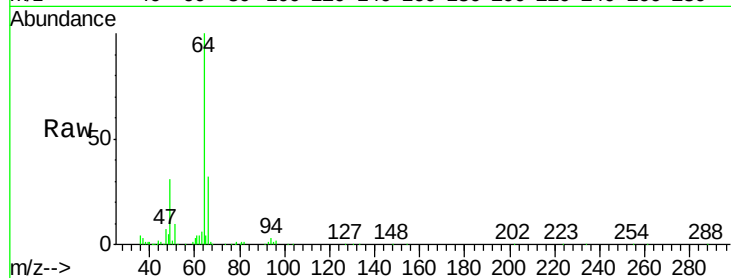
64 100

66 32.0 26.2 39.2

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#8

Dichlorotetrafluoroethane

Concen: 8.880 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL036628.D

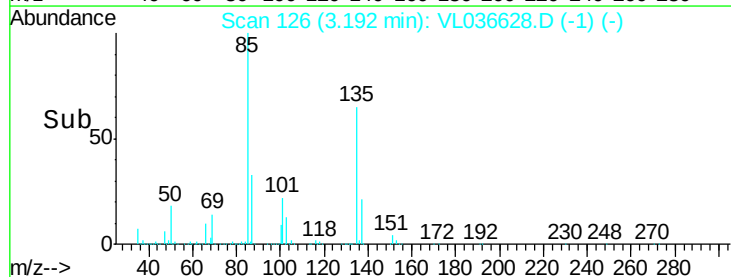
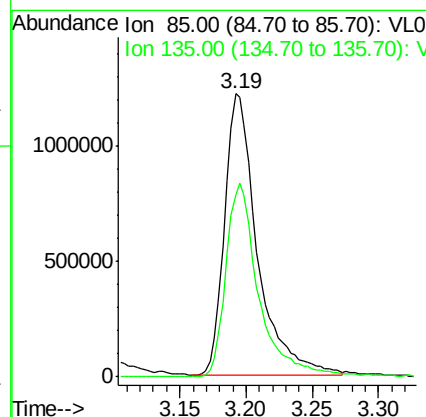
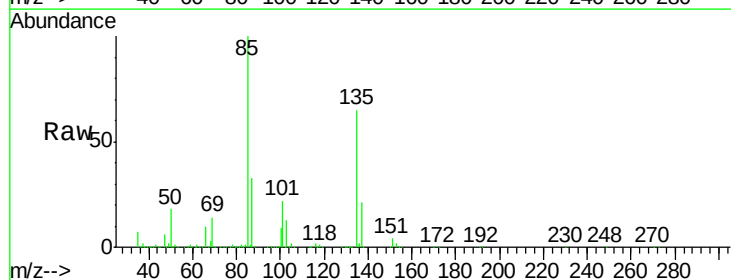
Acq: 1 Apr 2021 12:03

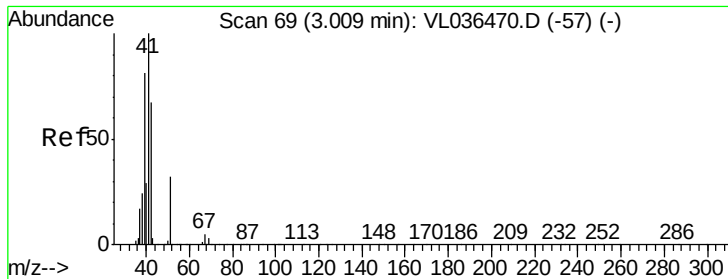
Tgt Ion: 85 Resp: 2098902

Ion Ratio Lower Upper

85 100

135 70.1 54.3 81.5





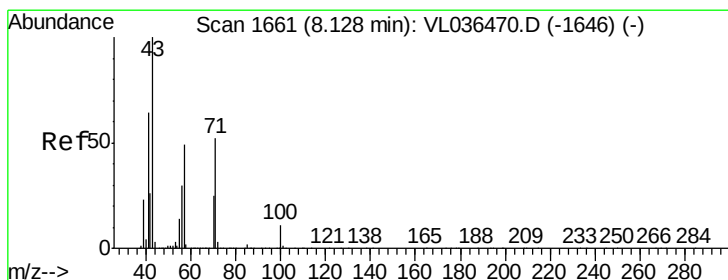
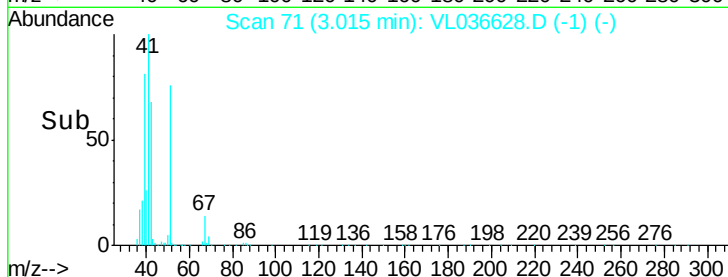
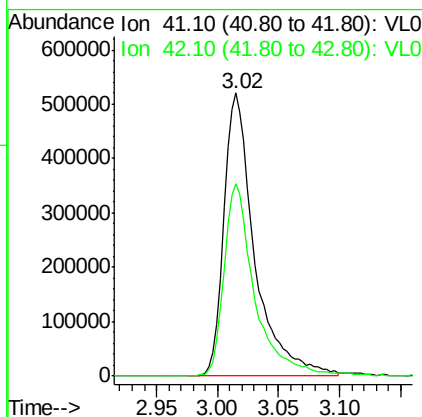
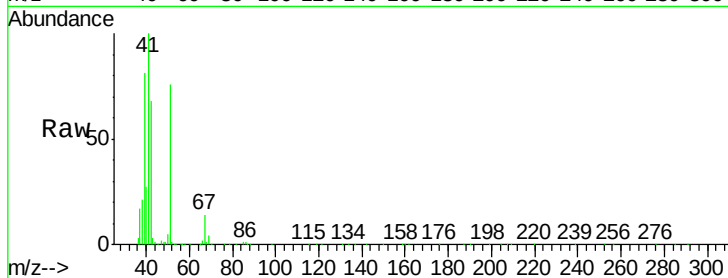
#9
 Propene
 Concen: 10.215 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion: 41 Resp: 923780
 Ion Ratio Lower Upper
 41 100
 42 68.3 57.0 85.4

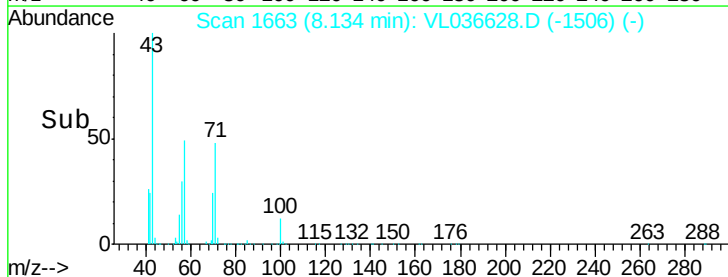
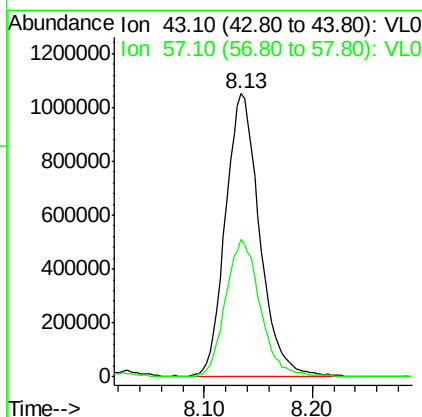
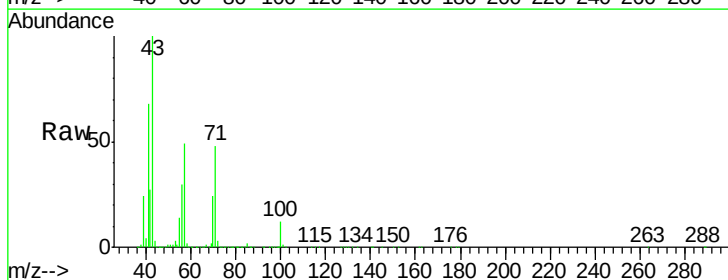
Manual Integrations
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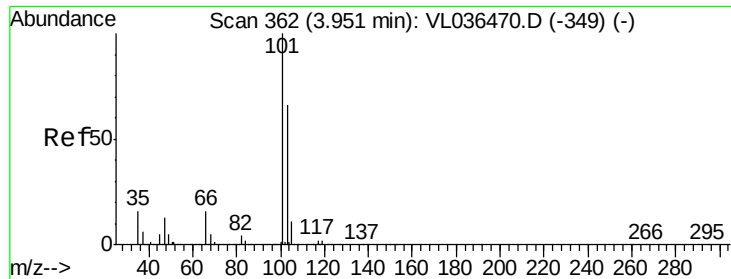
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#10
 Heptane
 Concen: 9.990 ppbv
 RT: 8.13 min Scan# 1663
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Tgt Ion: 43 Resp: 2301657
 Ion Ratio Lower Upper
 43 100
 57 49.3 39.0 58.6





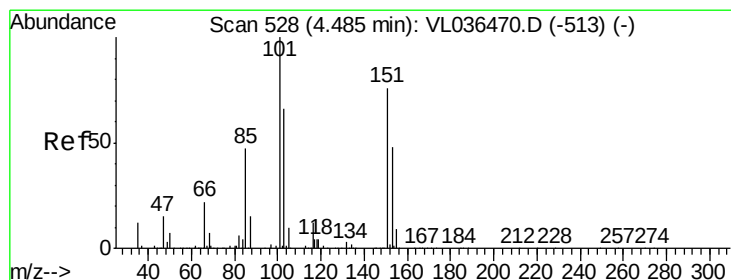
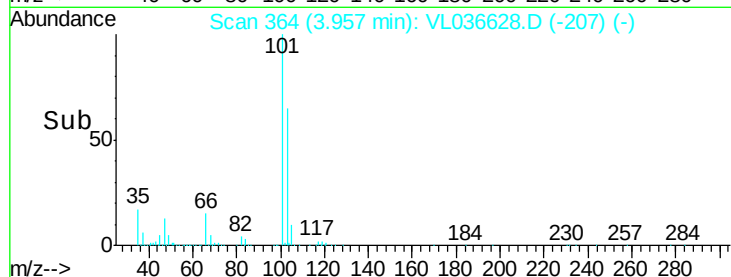
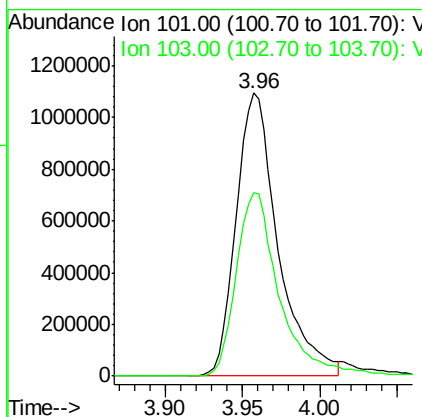
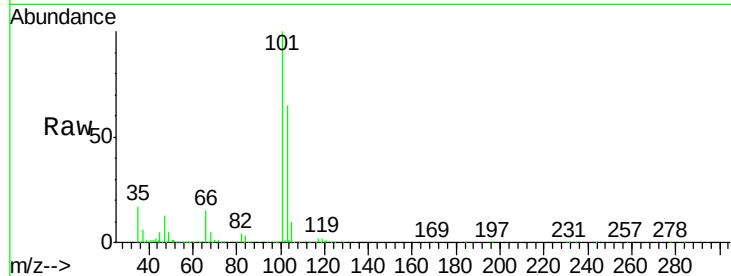
#11
 Trichlorofluoromethane
 Concen: 8.164 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion:101 Resp: 2060307
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.5 78.7

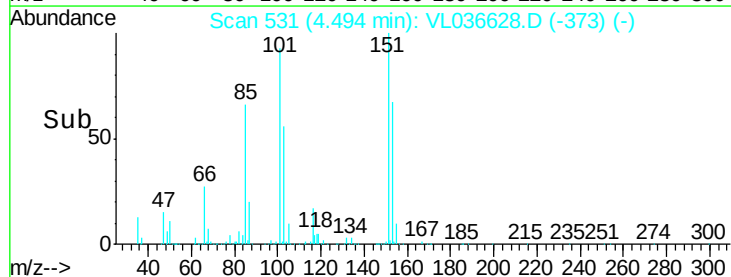
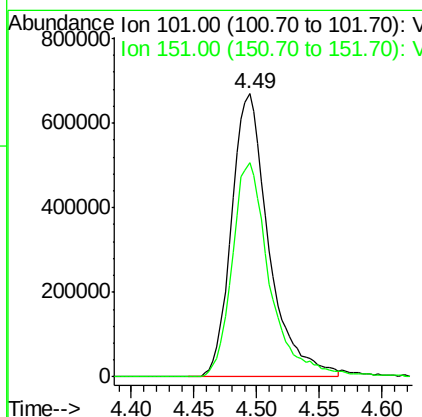
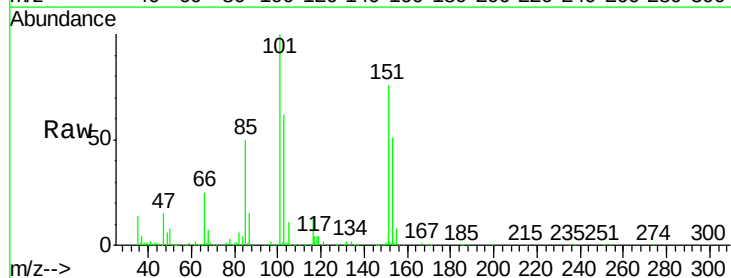
Manual Integrations
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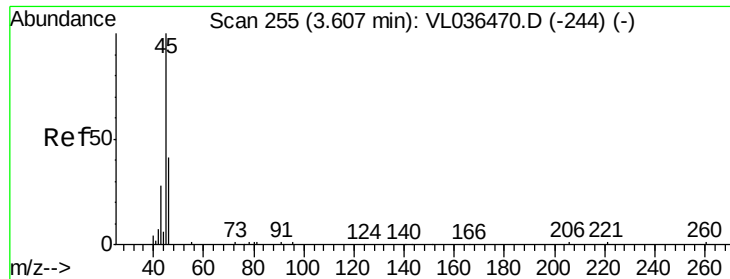
MMDadoda
 4/2/2021 6:55:01 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.595 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Tgt Ion:101 Resp: 1386916
 Ion Ratio Lower Upper
 101 100
 151 76.9 60.9 91.3





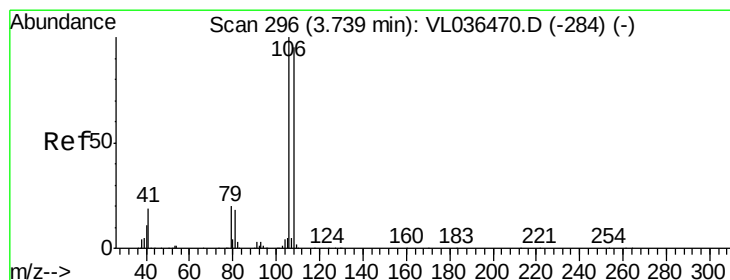
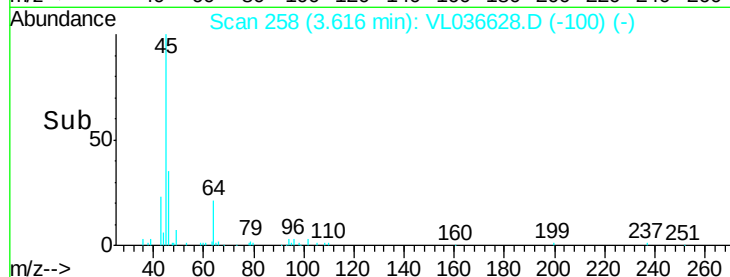
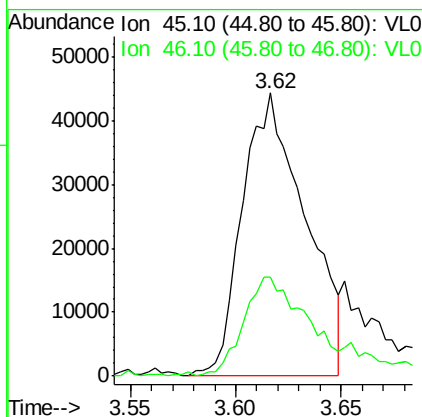
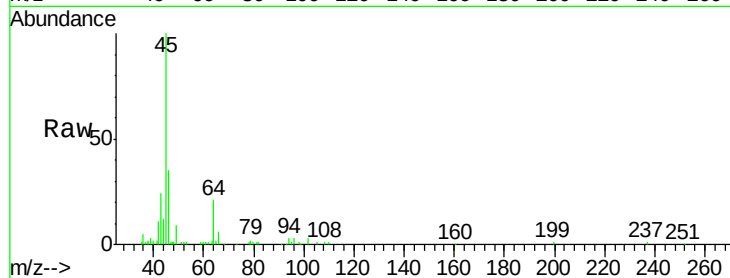
#13
Ethanol
Concen: 8.569 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	45	Resp	92282
Ion Ratio	100	Lower	Upper
46	44.9	16.6	66.2

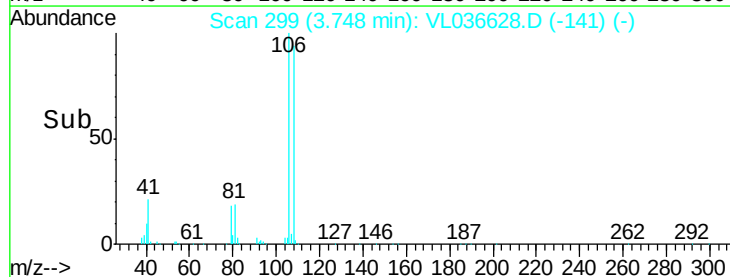
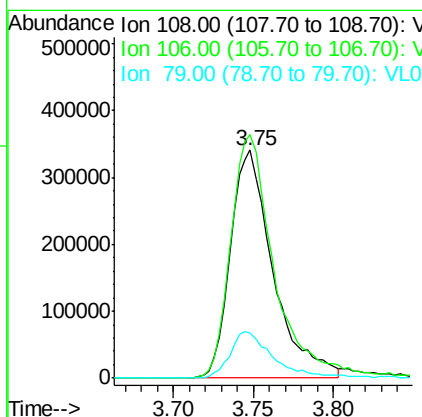
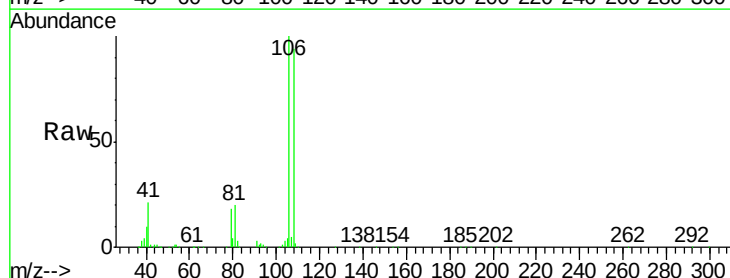
Manual Integrations
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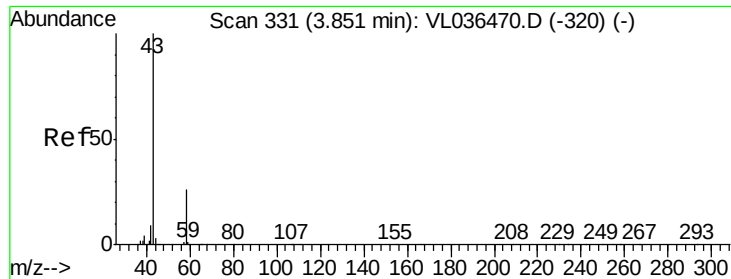
MMDadoda
4/2/2021 6:55:01 PM



#14
Bromoethene
Concen: 9.234 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Tgt Ion	108	Resp	619396
Ion Ratio	100	Lower	Upper
106	110.9	89.0	133.6
79	21.4	16.6	25.0





#15

Acetone

Concen: 8.219 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion: 43 Resp: 1228177

Ion Ratio Lower Upper

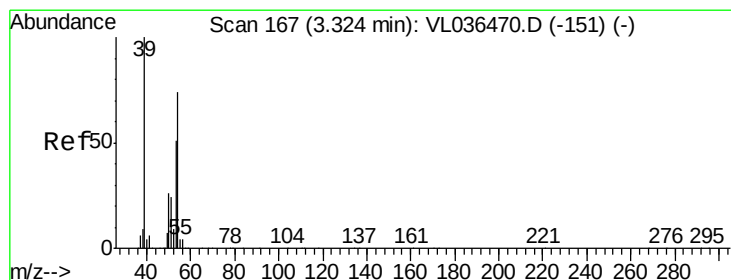
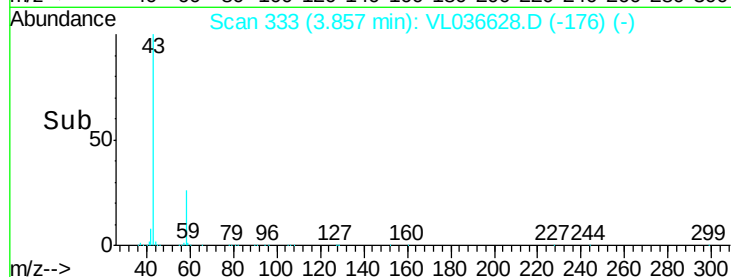
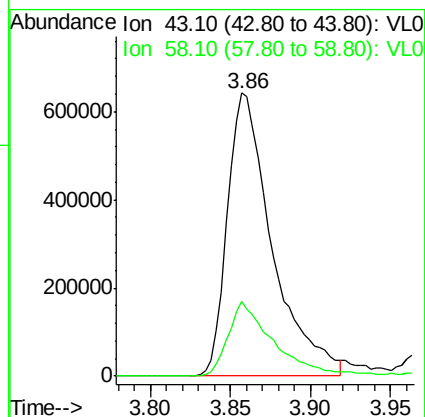
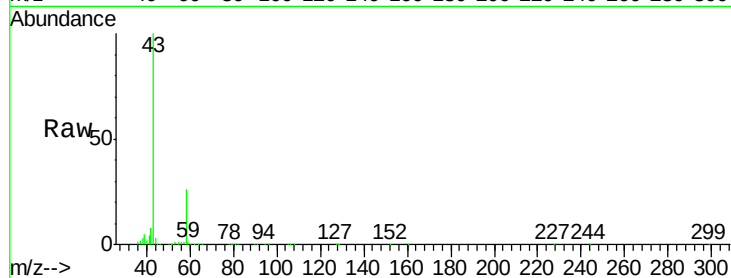
43 100

58 27.0 21.2 31.8

Manual Integrations
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#16

1,3-Butadiene

Concen: 9.014 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.01 min

Lab File: VL036628.D

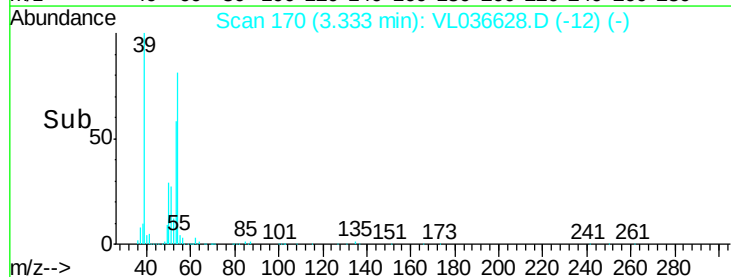
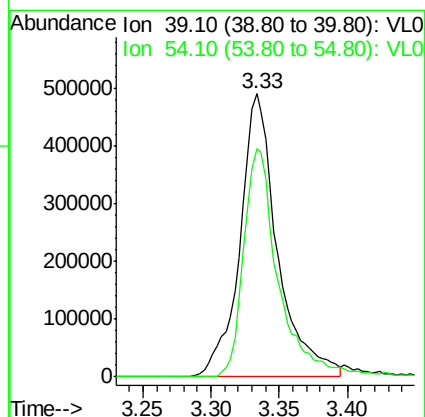
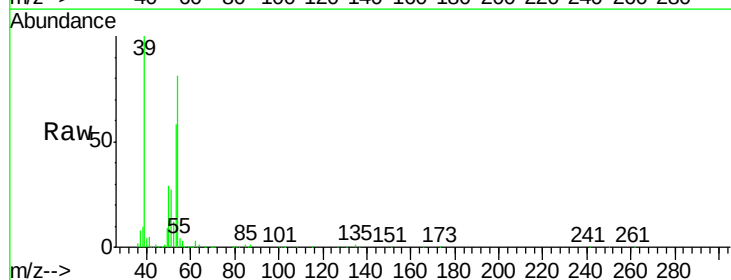
Acq: 1 Apr 2021 12:03

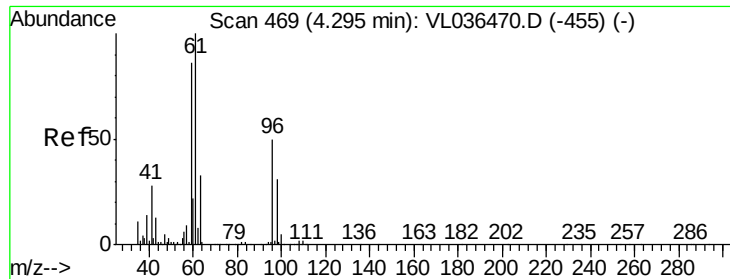
Tgt Ion: 39 Resp: 937848

Ion Ratio Lower Upper

39 100

54 75.9 58.8 88.2





#17

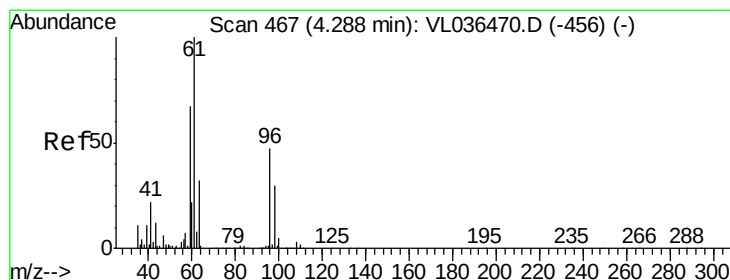
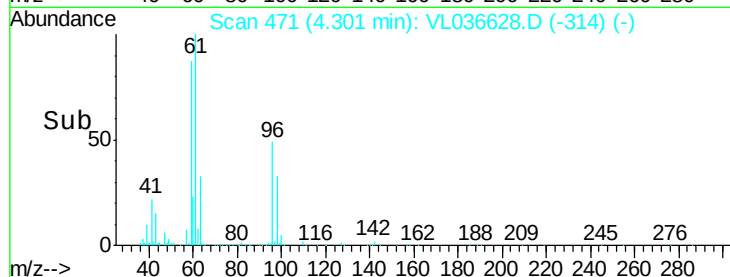
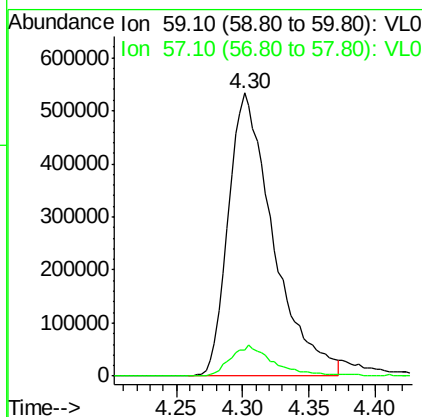
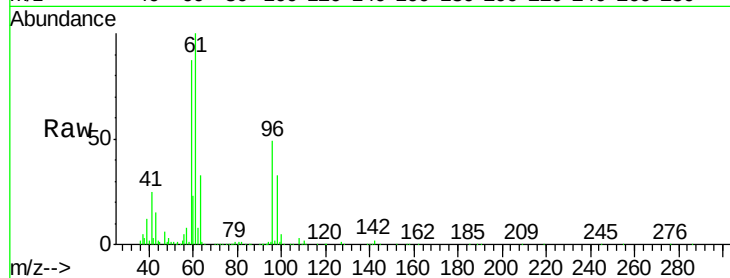
tert-Butyl alcohol
Concen: 9.675 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion: 59 Resp: 1258591
Ion Ratio Lower Upper
59 100
57 11.2 8.6 12.8

Manual Integrations
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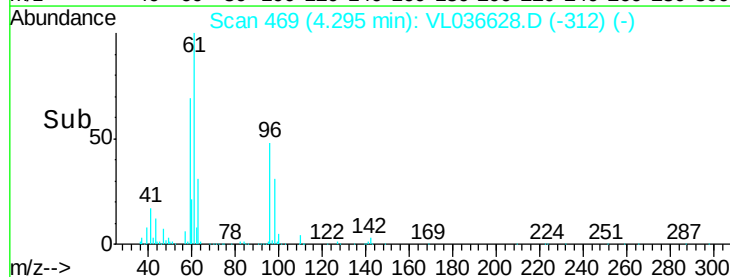
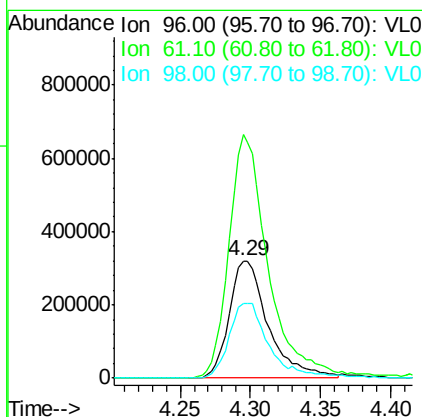
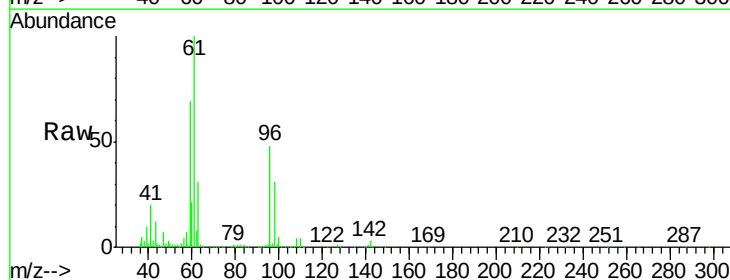
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4/2/2021 6:55:01 PM

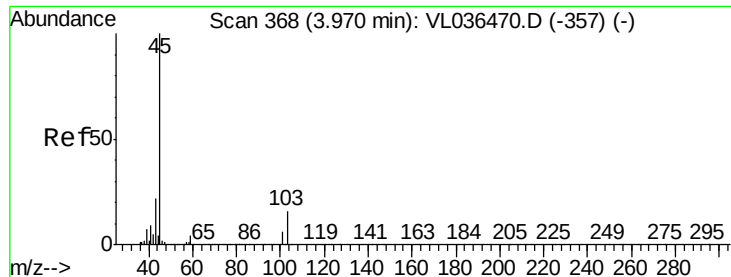


#18

1,1-Dichloroethene
Concen: 8.640 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Tgt Ion: 96 Resp: 620094
Ion Ratio Lower Upper
96 100
61 207.6 168.6 253.0
98 63.4 50.8 76.2





#19

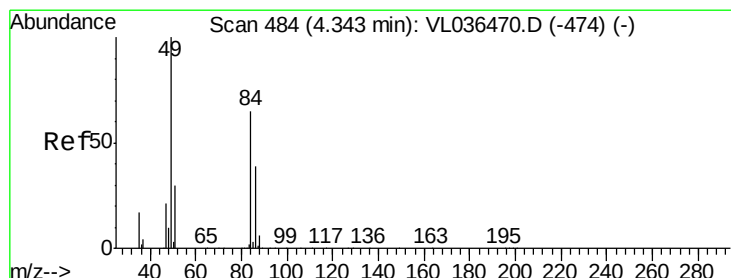
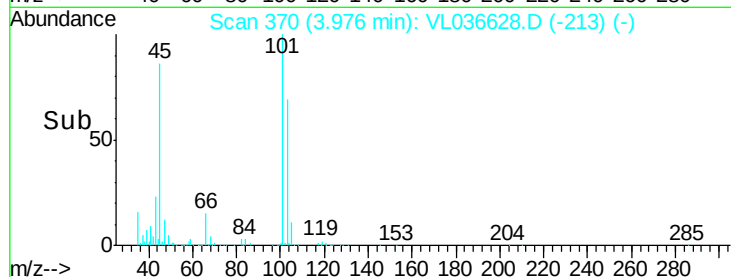
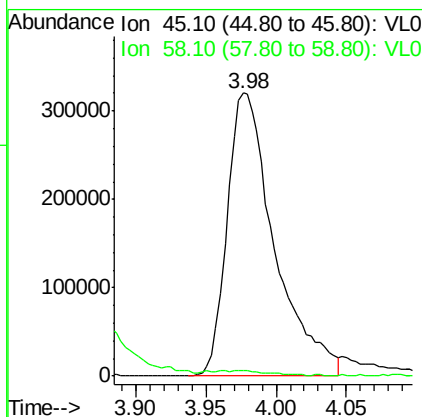
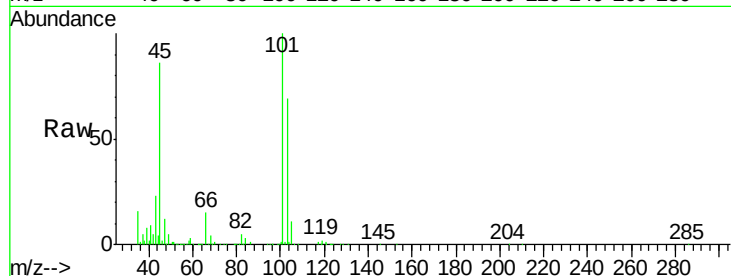
Isopropyl Alcohol
 Concen: 9.139 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.8	2.9	4.3#

Manual Integrations
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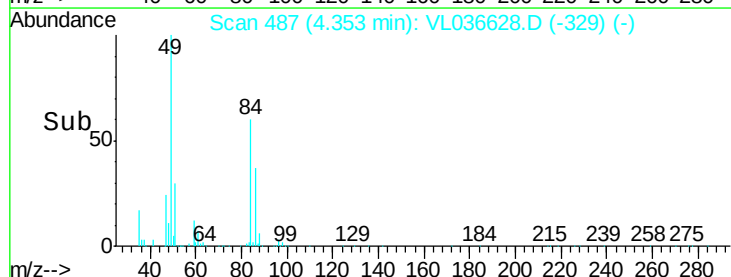
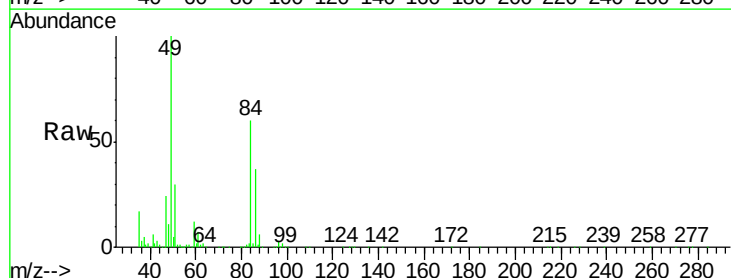
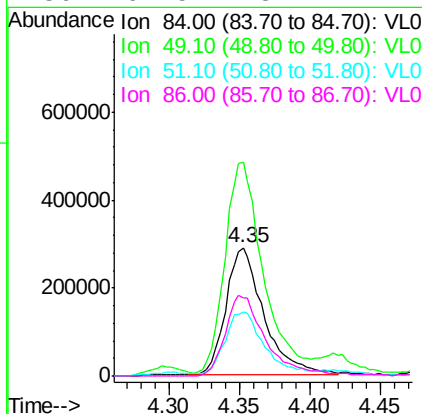
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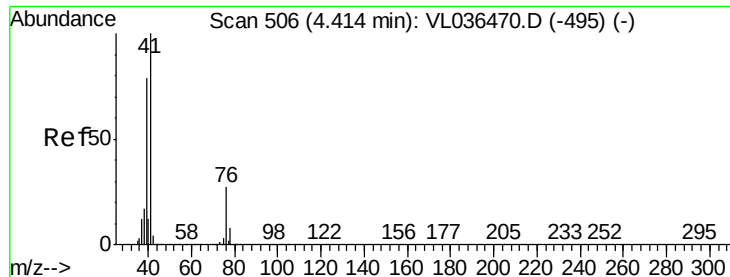


#20

Methylene Chloride
 Concen: 7.854 ppbv
 RT: 4.35 min Scan# 487
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	164.4	122.9	184.3
51	48.5	36.9	55.3
86	61.5	48.2	72.4





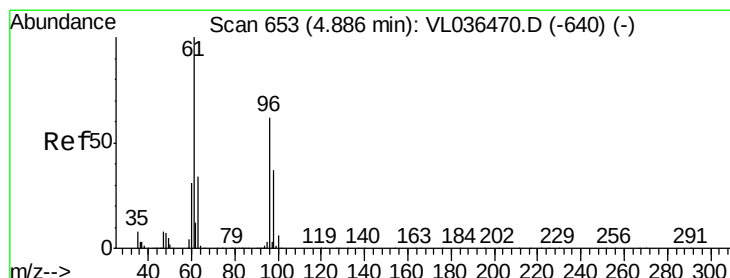
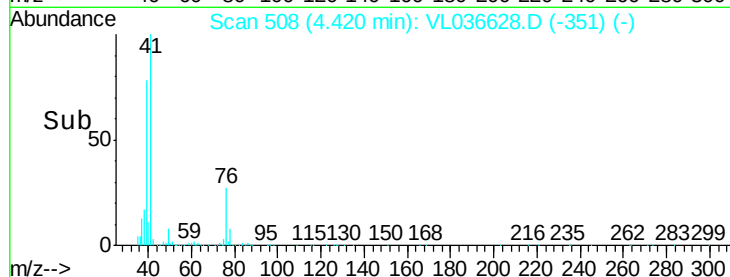
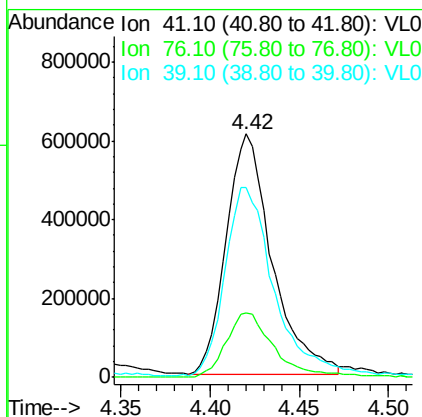
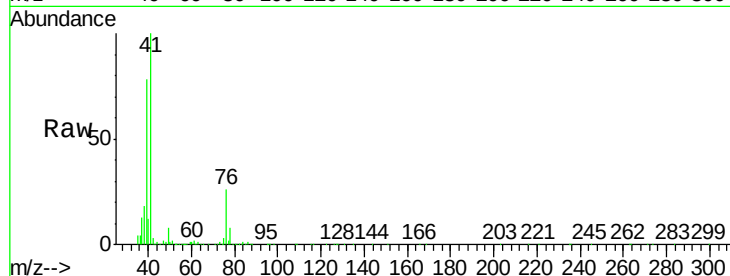
#21
Allvl Chloride
Concen: 9.195 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.3	22.9	34.3
39	84.8	67.3	100.9

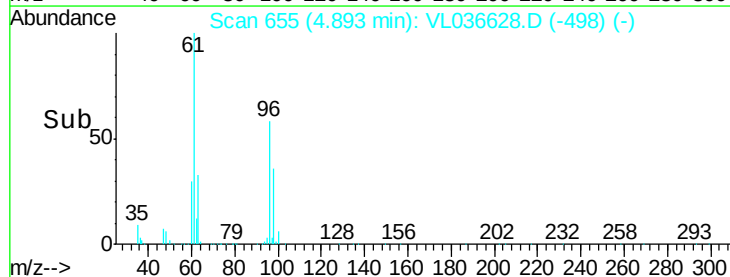
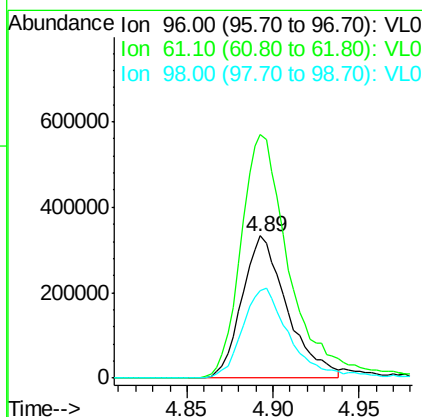
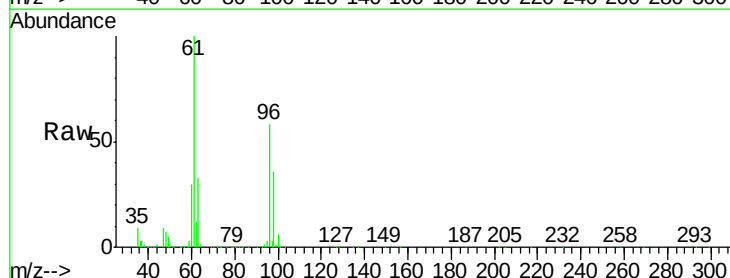
Manual Integrations
APPROVED

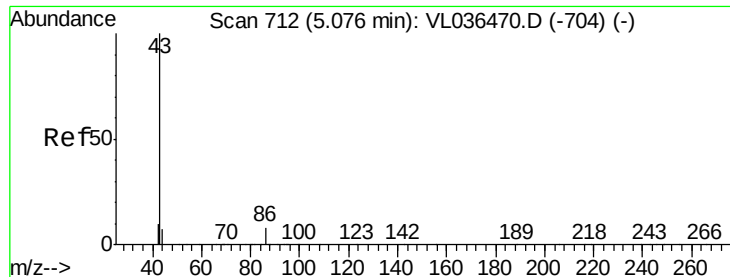
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#22
trans-1,2-Dichloroethene
Concen: 9.131 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.4	129.4	194.0
98	61.7	48.2	72.4





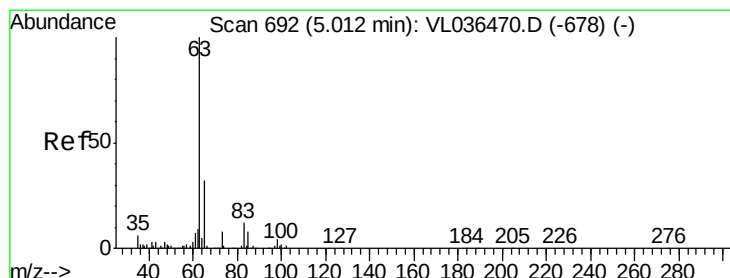
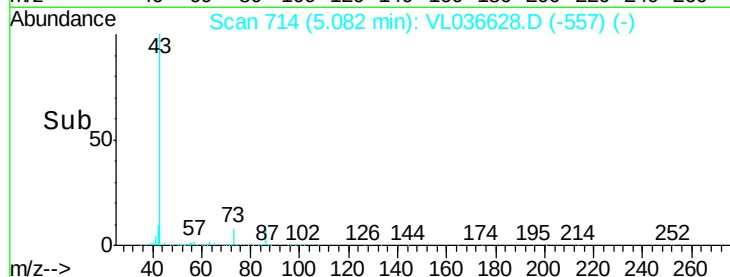
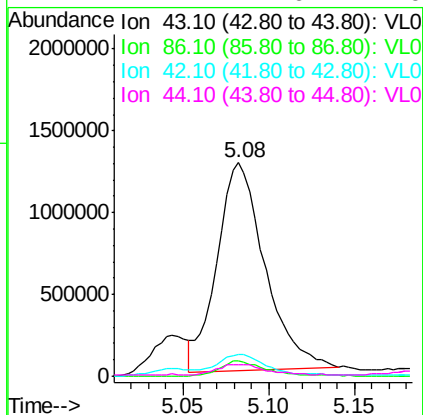
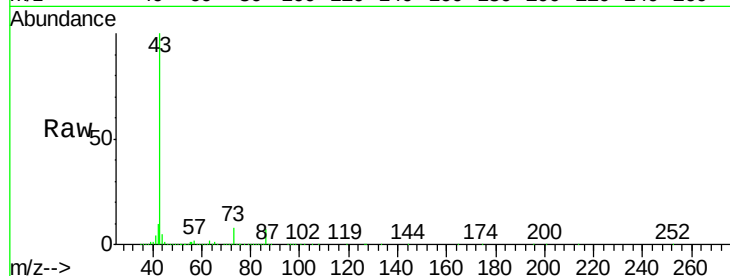
#23
 Vinyl Acetate
 Concen: 9.643 ppbv
 RT: 5.08 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.4	5.4	8.0	
42	9.9	8.5	12.7	
44	4.7	4.6	7.0	

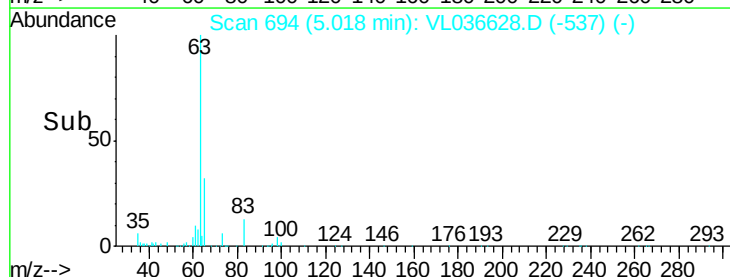
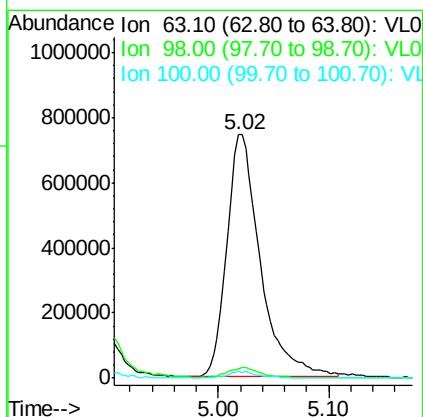
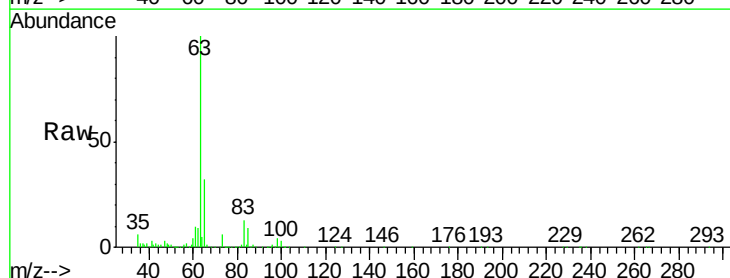
Manual Integrations
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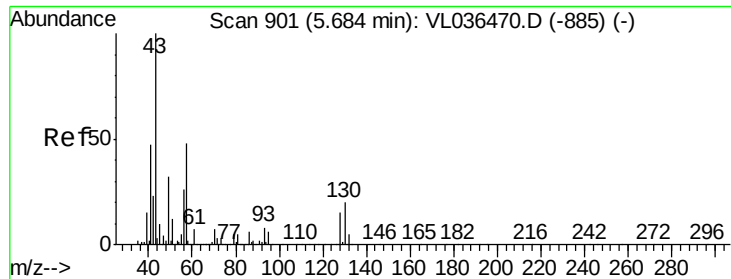
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#24
 1,1-Dichloroethane
 Concen: 8.409 ppbv
 RT: 5.02 min Scan# 694
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	3.7	2.1	6.2	
100	2.5	0.9	2.8	





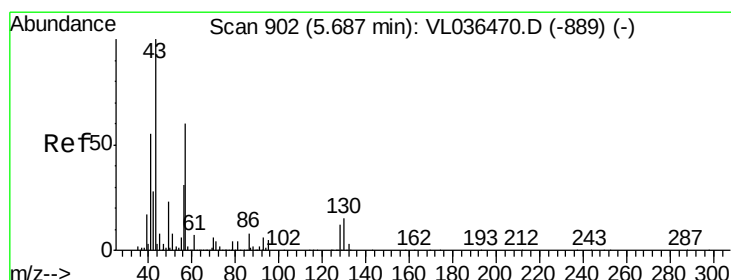
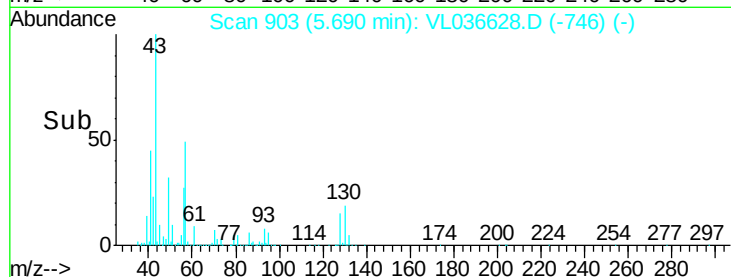
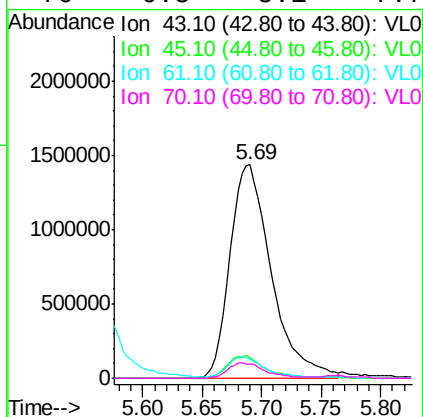
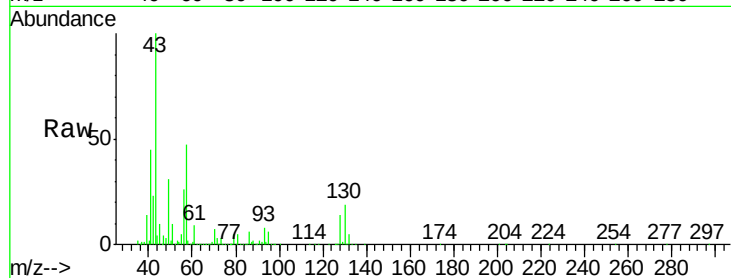
#25
Ethyl Acetate
Concen: 9.697 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
45	45	10.1	7.9	11.9
61	61	9.2	7.4	11.2
70	70	6.5	5.1	7.7

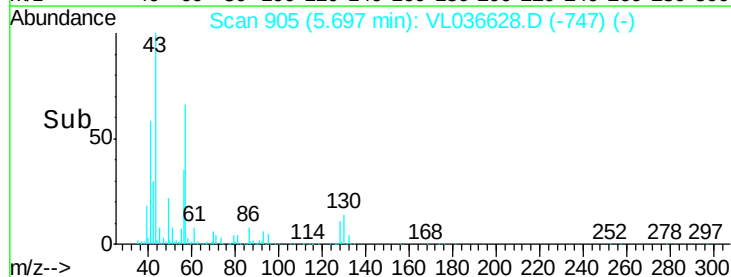
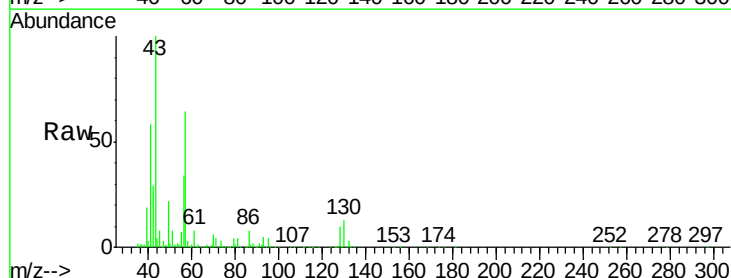
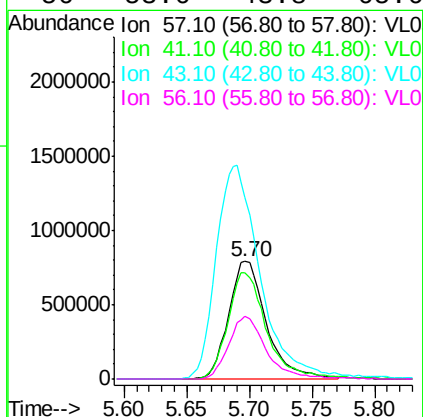
Manual Integrations
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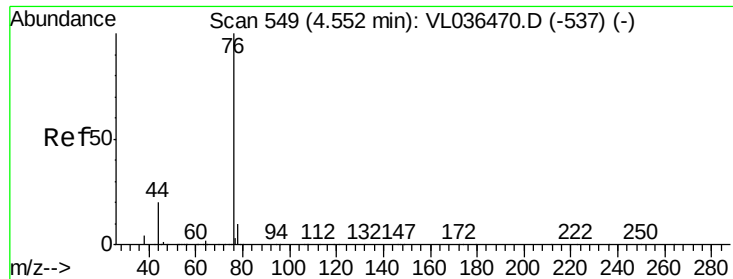
MMDadoda
4/2/2021 6:55:01 PM



#26
Hexane
Concen: 10.049 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Tgt Ion	Ion	Ratio	Lower	Upper
57	57	100		
41	41	93.8	77.2	115.8
43	43	213.8	173.8	260.6
56	56	53.6	43.8	65.6





#27

Carbon Disulfide

Concen: 9.997 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion: 76 Resp: 1623598

Ion Ratio Lower Upper

76 100

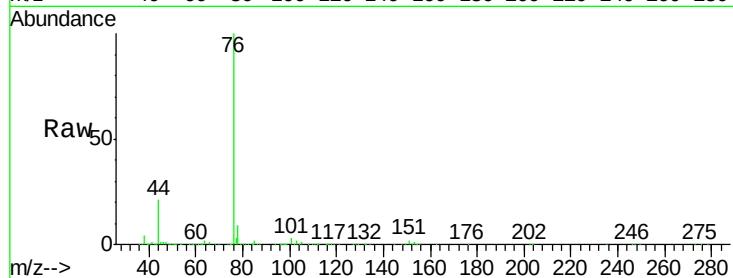
44 21.7 17.5 26.3

78 9.9 8.6 13.0

Manual Integrations
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MMDadoda

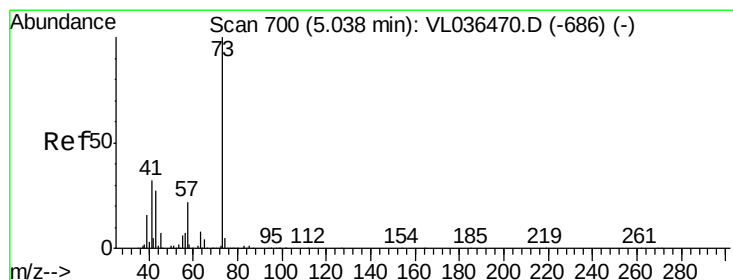
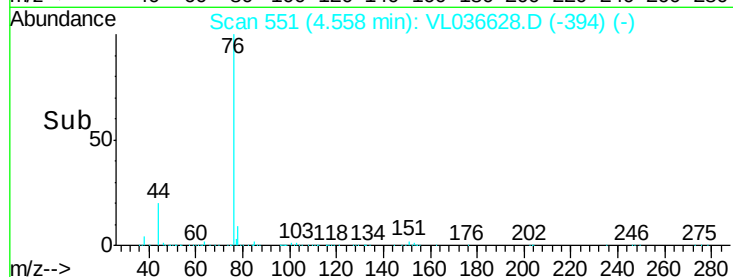
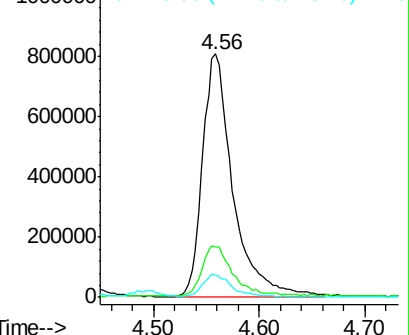
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.583 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.01 min

Lab File: VL036628.D

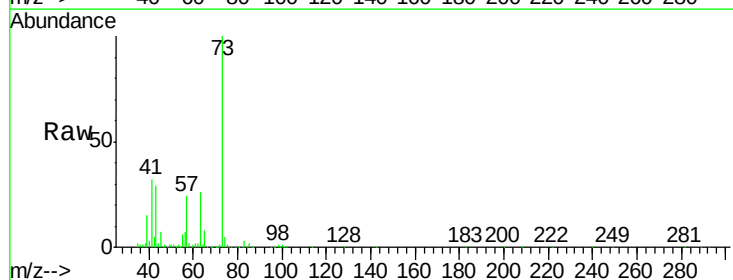
Acq: 1 Apr 2021 12:03

Tgt Ion: 73 Resp: 1863185

Ion Ratio Lower Upper

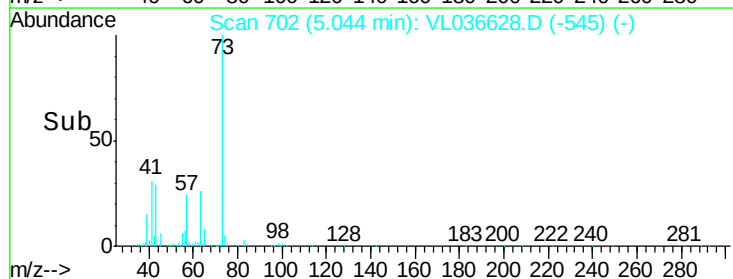
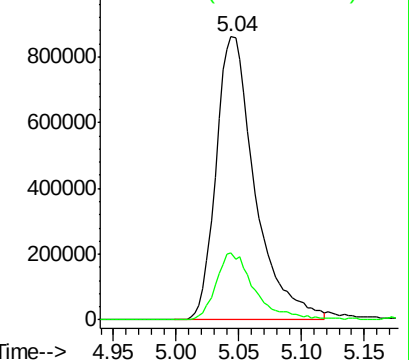
73 100

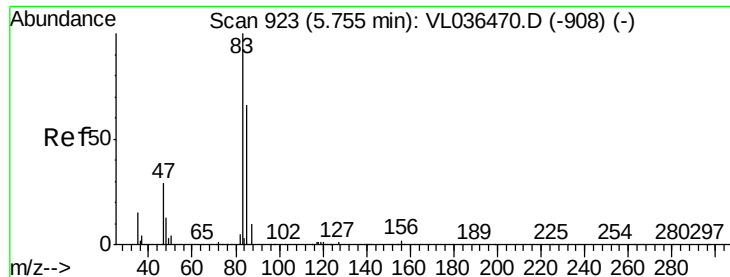
57 23.7 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





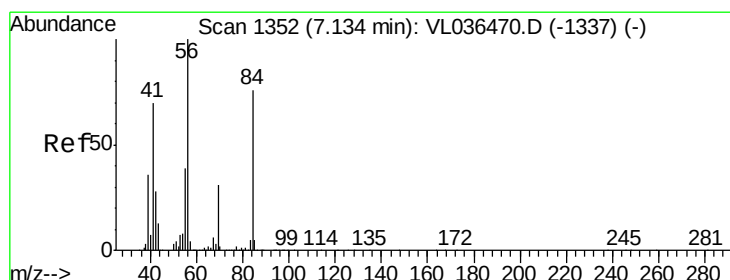
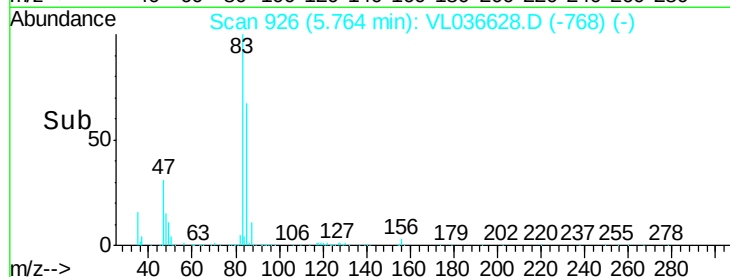
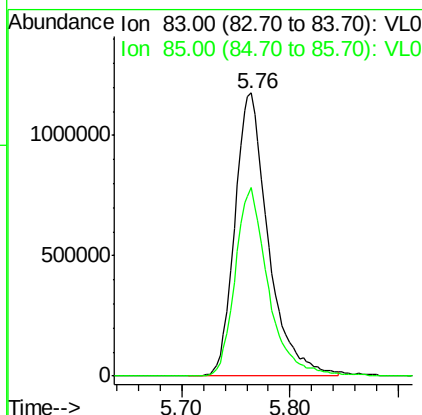
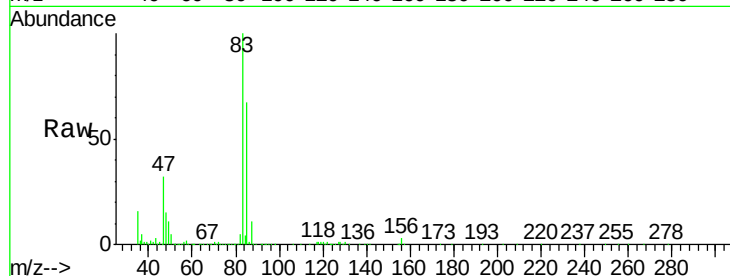
#29
Chloroform
Concen: 9.652 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion: 83 Resp: 2544857
Ion Ratio Lower Upper
83 100
85 66.5 52.6 78.8

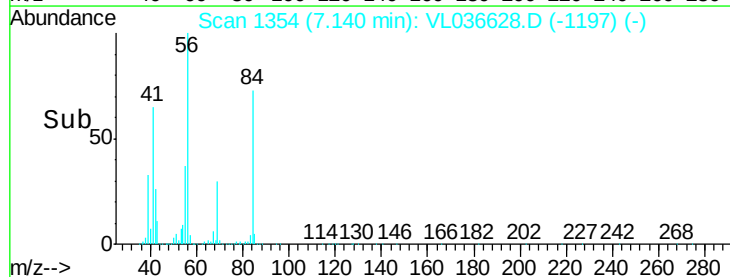
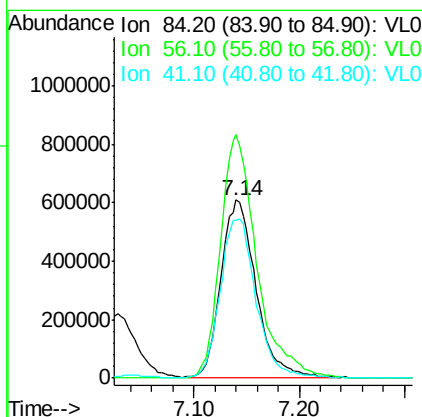
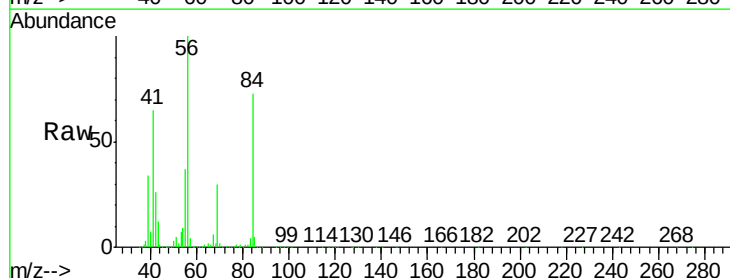
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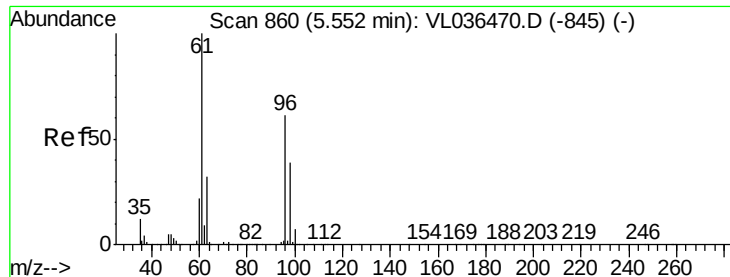
MMDadoda
4/2/2021 6:55:01 PM



#30
Cyclohexane
Concen: 10.390 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Tgt Ion: 84 Resp: 1389257
Ion Ratio Lower Upper
84 100
56 143.6 114.6 171.8
41 92.7 75.3 112.9





#31

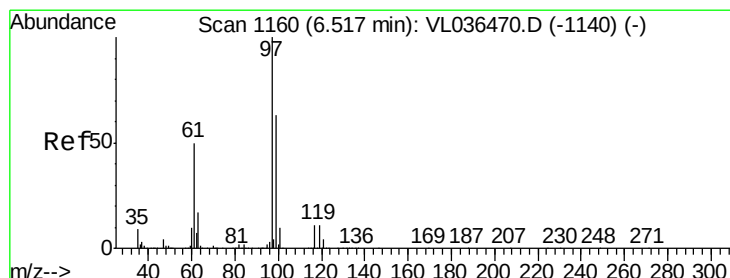
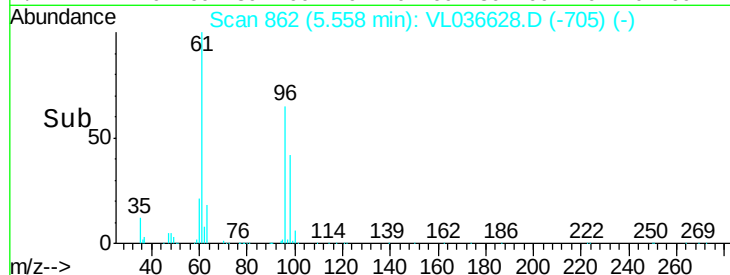
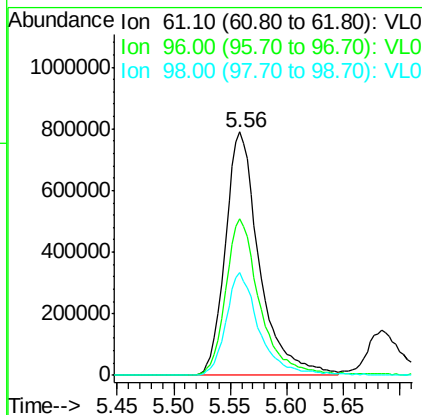
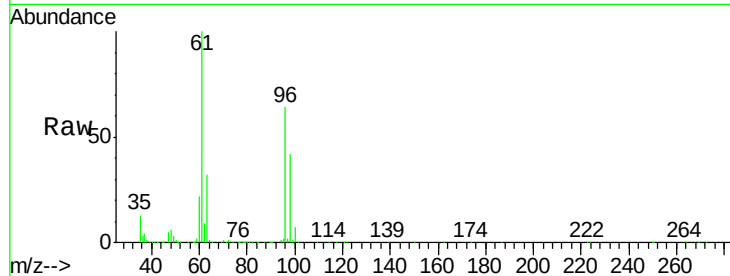
cis-1,2-Dichloroethene
 Concen: 10.356 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.0	48.7	73.1
98	42.0	31.4	47.0

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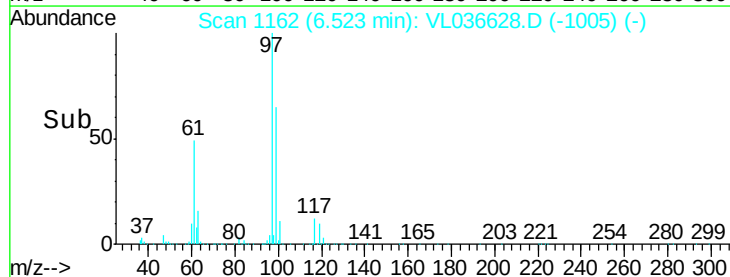
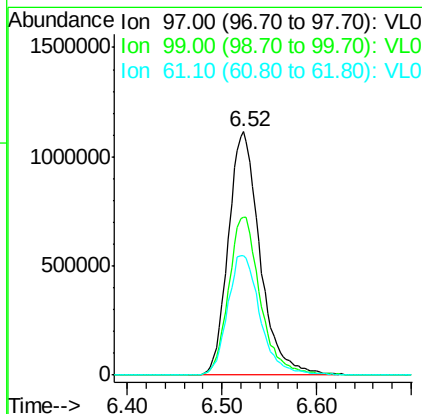
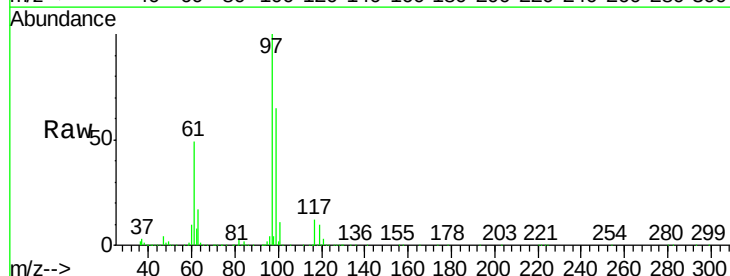
MMDadoda
 4/2/2021 6:55:01 PM

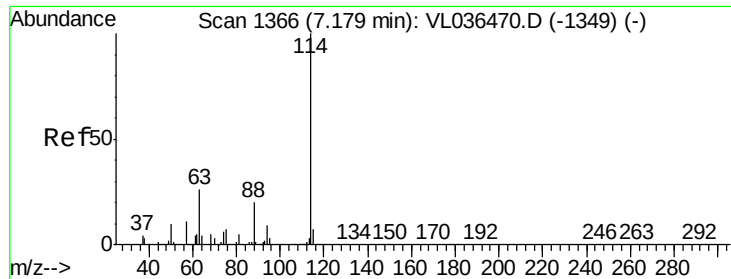


#32

1,1,1-Trichloroethane
 Concen: 9.771 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.4	77.0
61	50.8	40.6	60.8





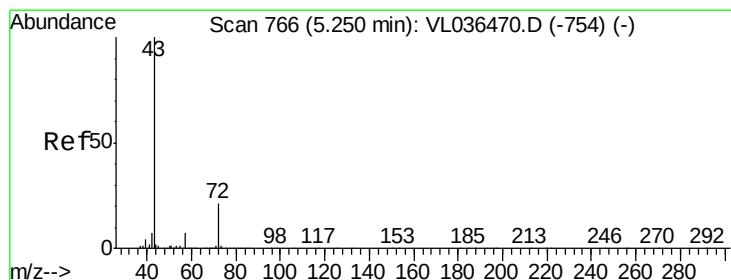
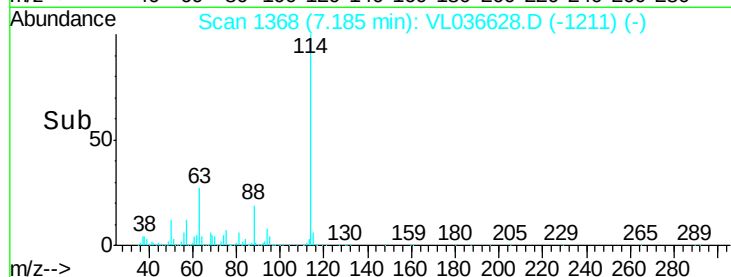
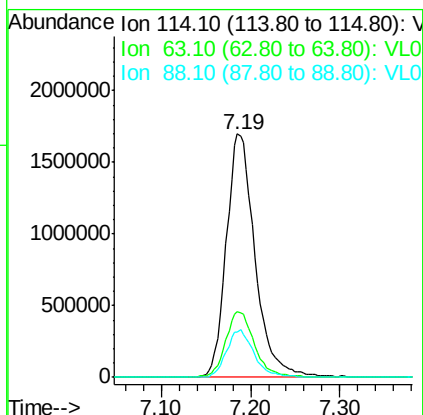
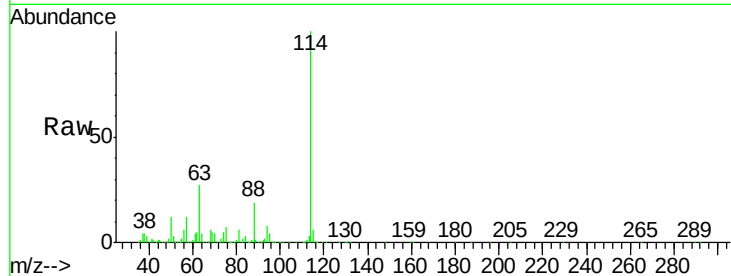
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.4	33.6
88	18.8	15.4	23.0

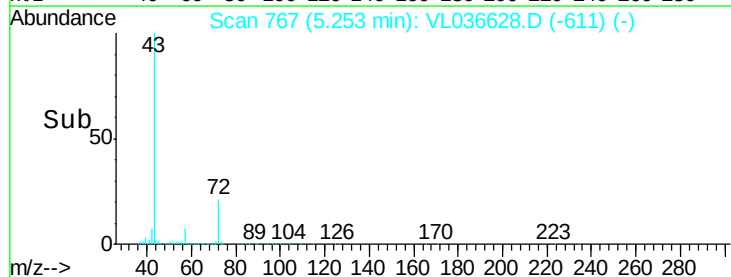
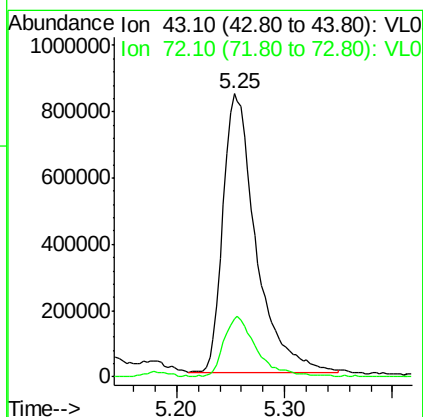
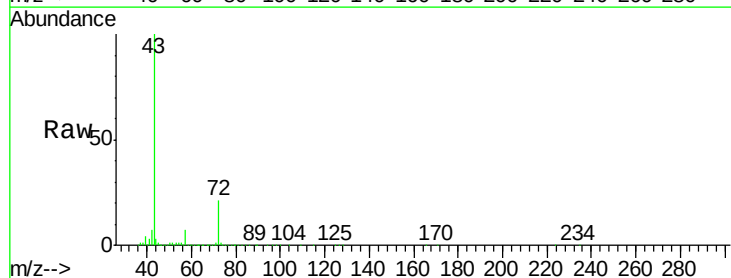
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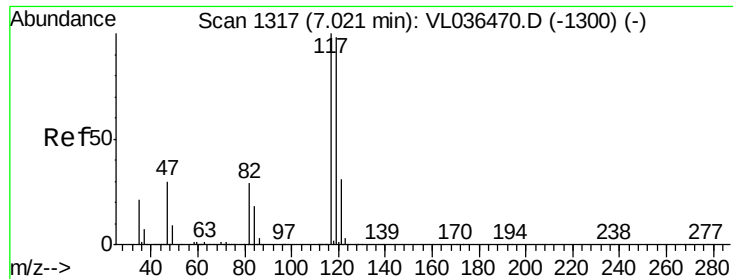
MMDadoda
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#34
 2-Butanone
 Concen: 9.688 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.0	25.6





#35

Carbon Tetrachloride

Concen: 9.272 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.01 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion:117 Resp: 2697036

Ion Ratio Lower Upper

117 100

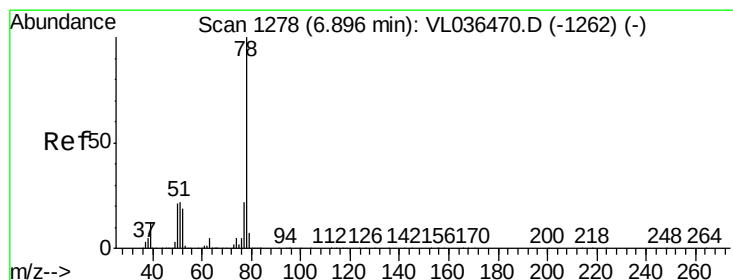
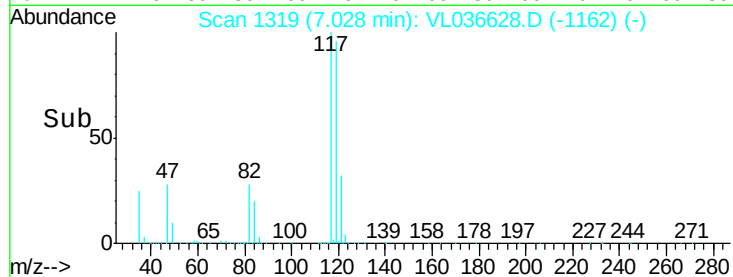
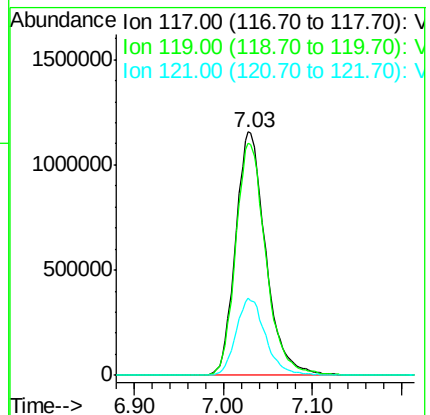
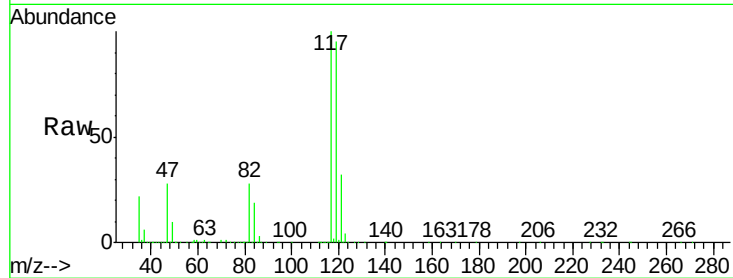
119 95.4 78.2 117.2

121 31.5 24.5 36.7

Manual Integrations
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#36

Benzene

Concen: 9.693 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.01 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

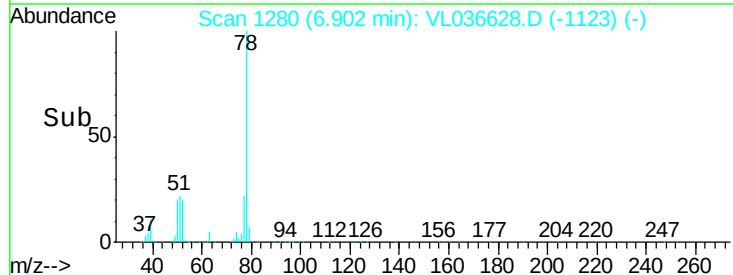
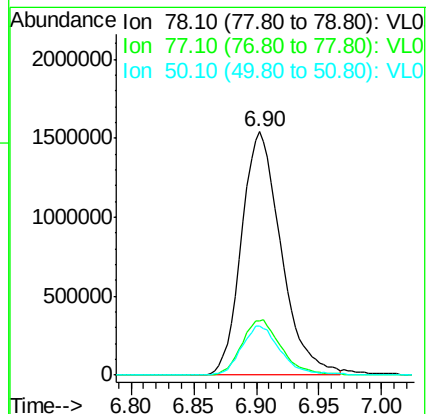
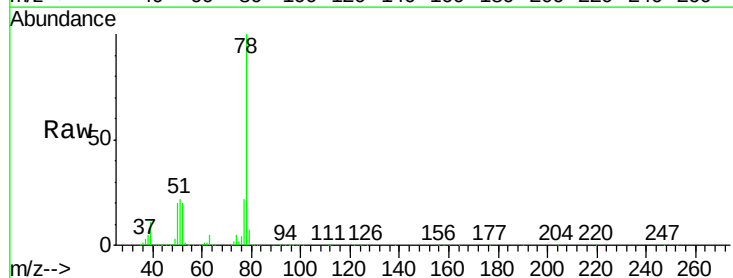
Tgt Ion: 78 Resp: 3385517

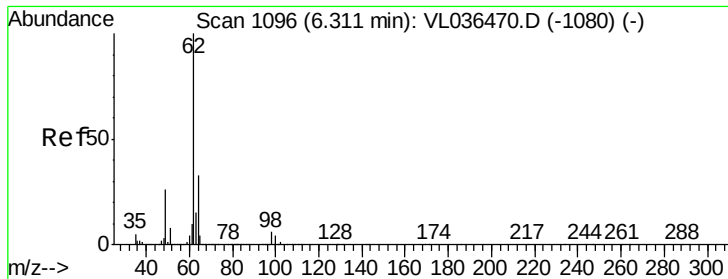
Ion Ratio Lower Upper

78 100

77 22.4 18.0 27.0

50 20.2 16.5 24.7





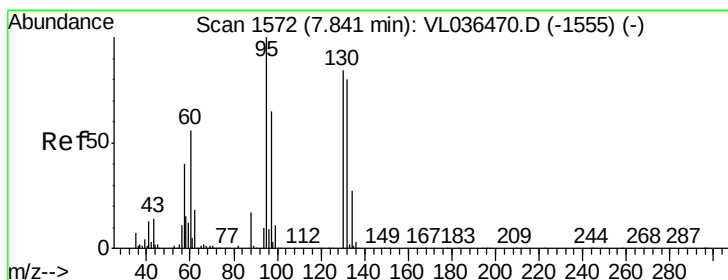
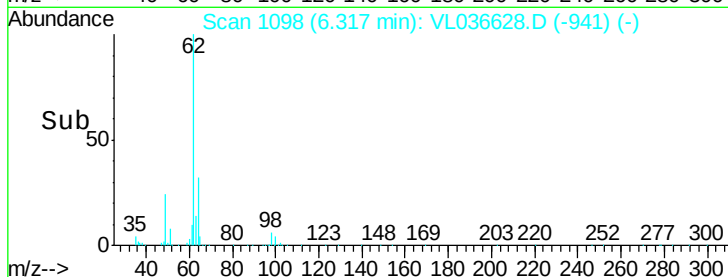
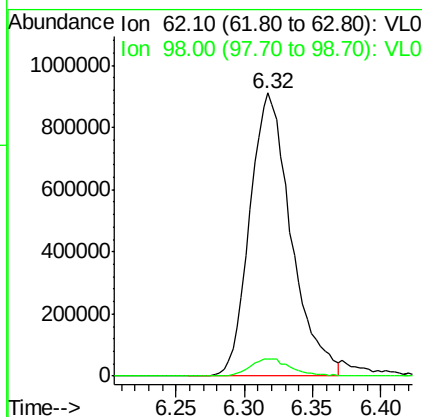
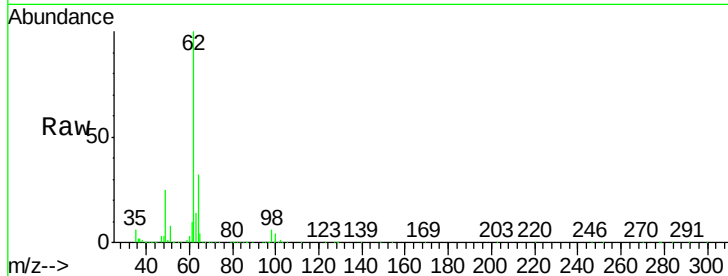
#37
1,2-Dichloroethane
Concen: 9.332 ppbv
RT: 6.32 min Scan# 1098
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.4	4.9	7.3

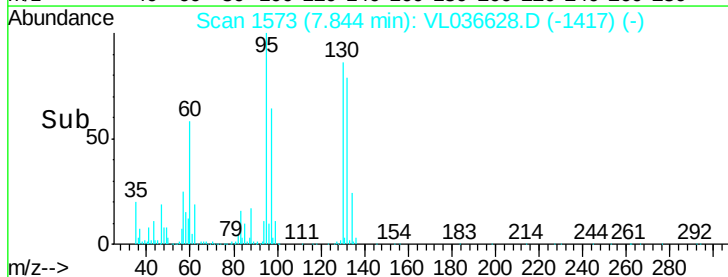
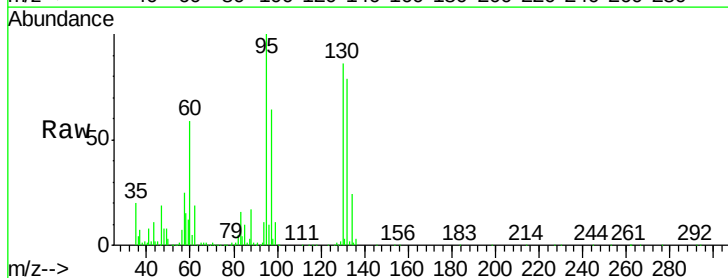
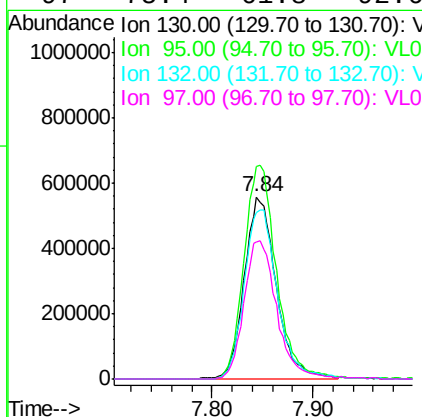
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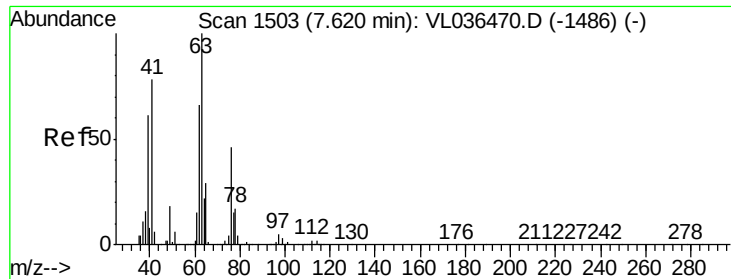
MMDadoda
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#38
Trichloroethene
Concen: 8.957 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	116.9	95.7	143.5
132	91.8	76.2	114.4
97	75.4	61.8	92.6





#39

1,2-Dichloropropane

Concen: 9.573 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.00 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion: 63 Resp: 1356285

Ion Ratio Lower Upper

63 100

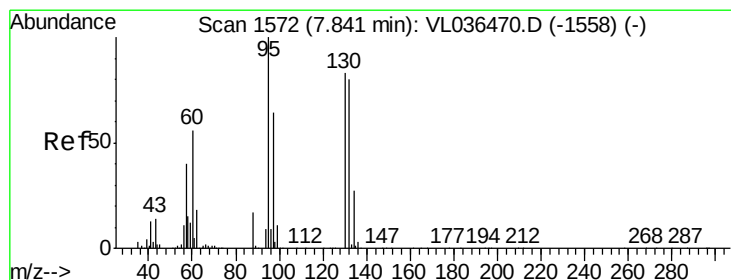
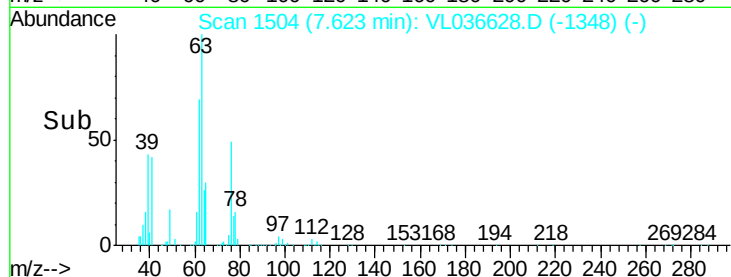
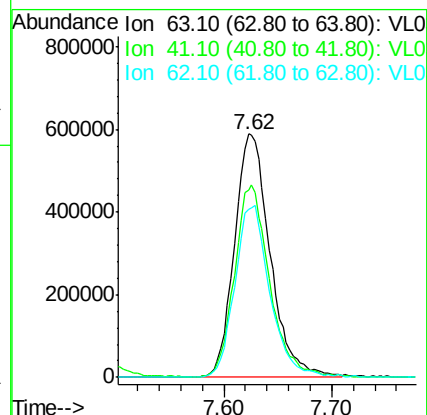
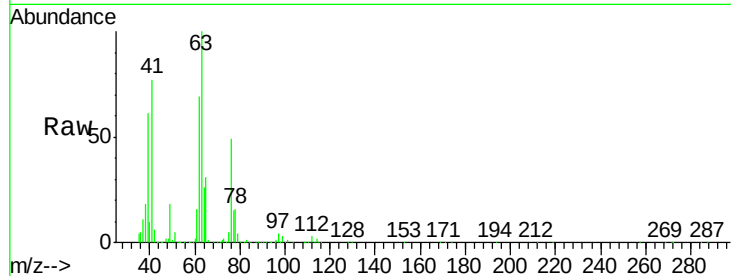
41 76.5 62.4 93.6

62 68.9 52.8 79.2

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.461 ppbv m

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

Tgt Ion: 88 Resp: 311976

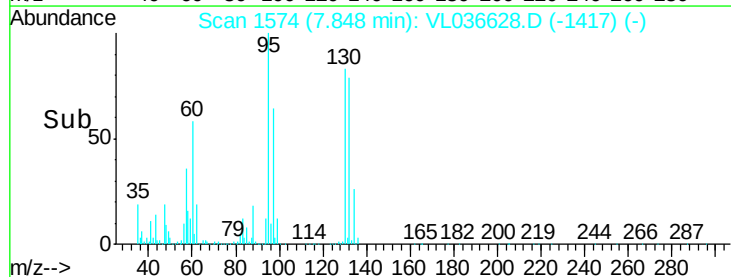
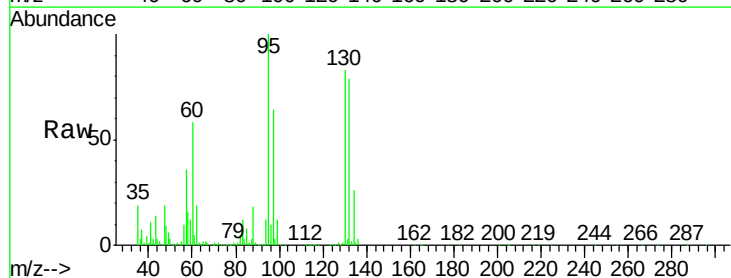
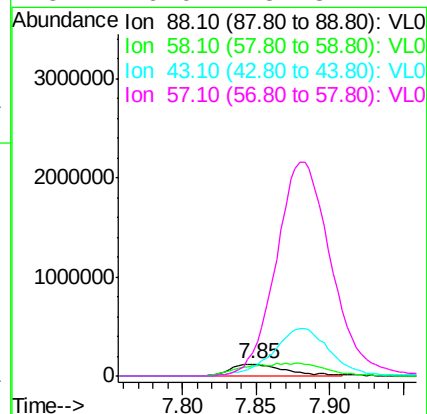
Ion Ratio Lower Upper

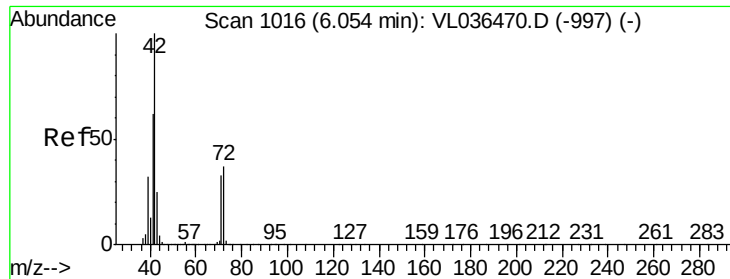
88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#





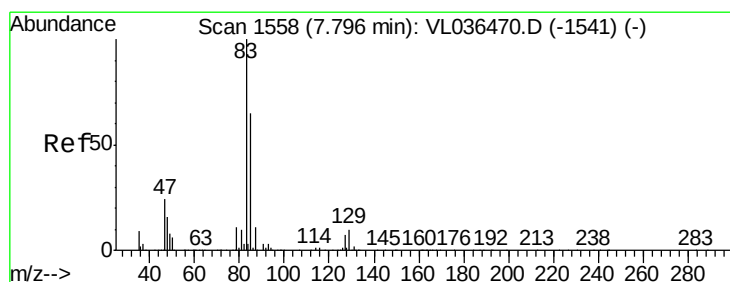
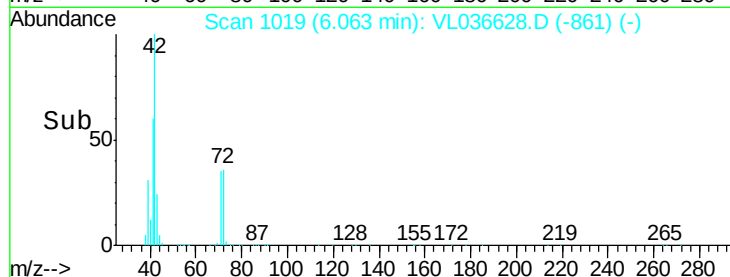
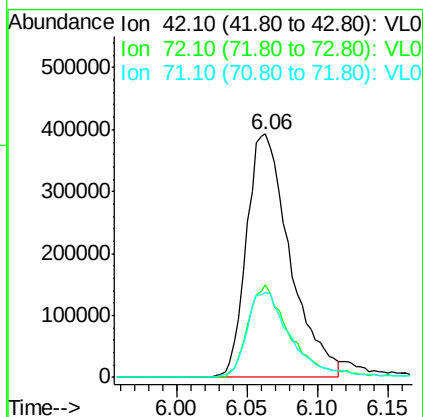
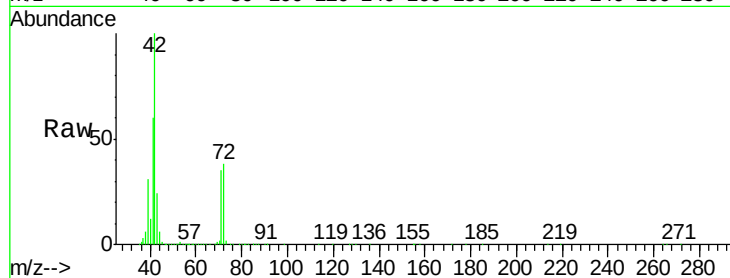
#41
Tetrahydrofuran
Concen: 9.932 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	27.6	41.4
71	36.4	27.0	40.4

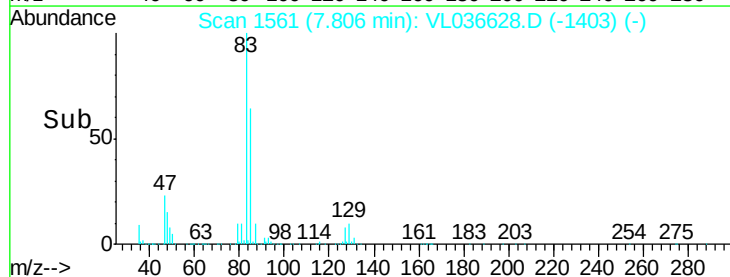
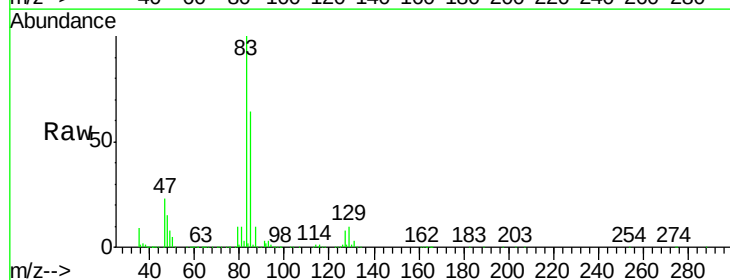
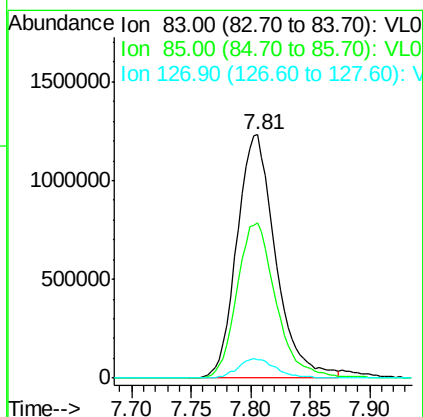
Manual Integrations
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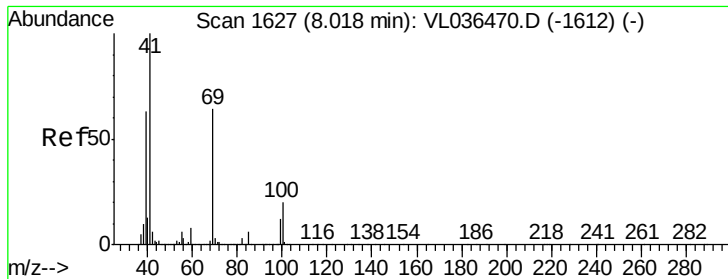
MMDadoda
4/2/2021 6:55:01 PM



#42
Bromodichloromethane
Concen: 9.942 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6
127	7.7	5.8	8.8





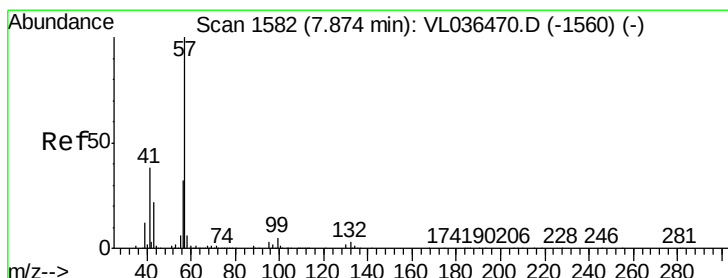
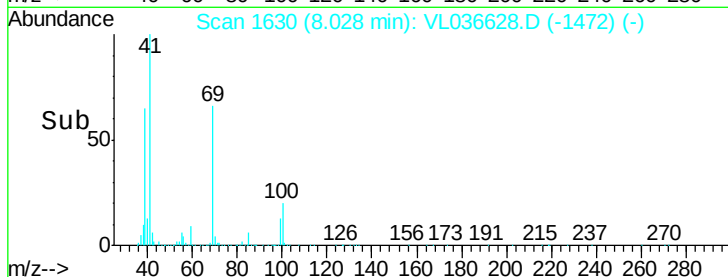
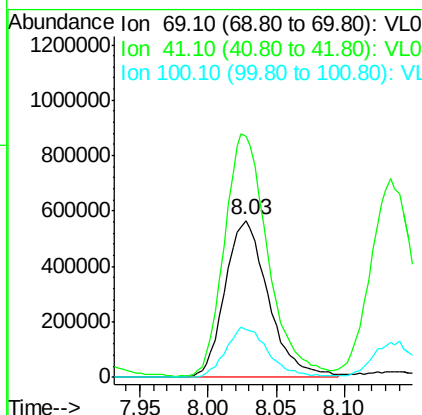
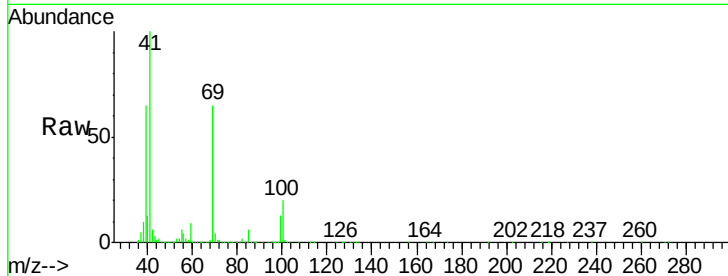
#43
Methyl Methacrylate
Concen: 10.585 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion: 69 Resp: 1241484
Ion Ratio Lower Upper
69 100
41 156.6 126.8 190.2
100 31.5 24.9 37.3

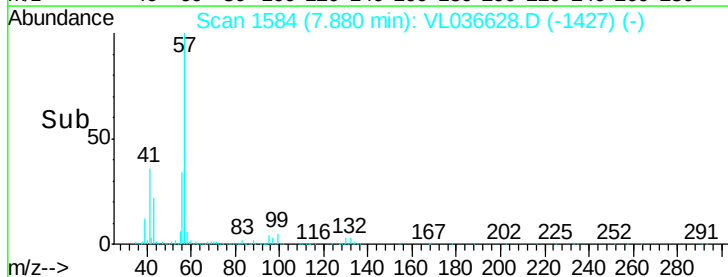
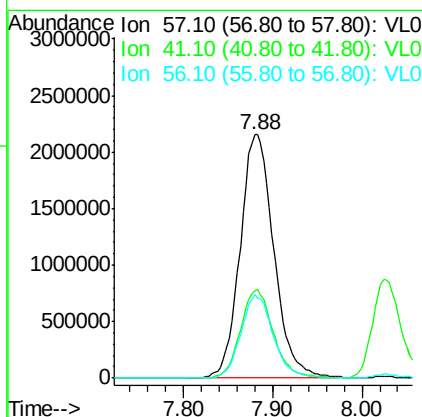
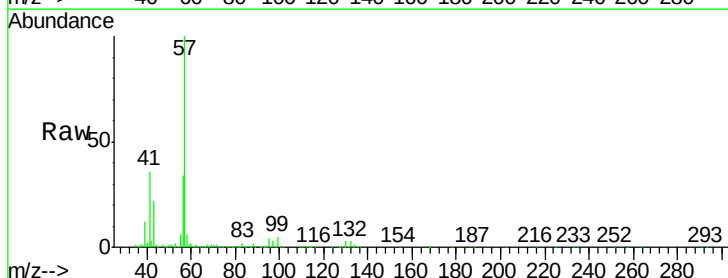
Manual Integrations
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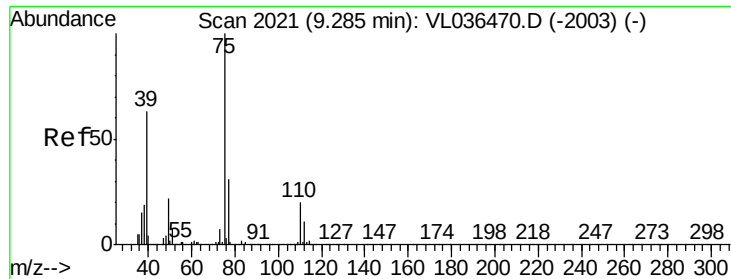
MMDadoda
4/2/2021 6:55:01 PM



#44
2,2,4-Trimethylpentane
Concen: 9.187 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Tgt Ion: 57 Resp: 5647149
Ion Ratio Lower Upper
57 100
41 35.3 28.8 43.2
56 32.8 26.1 39.1





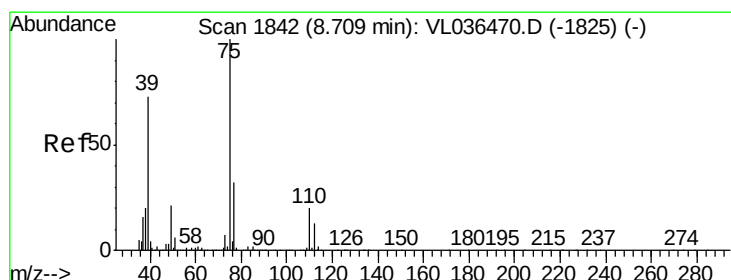
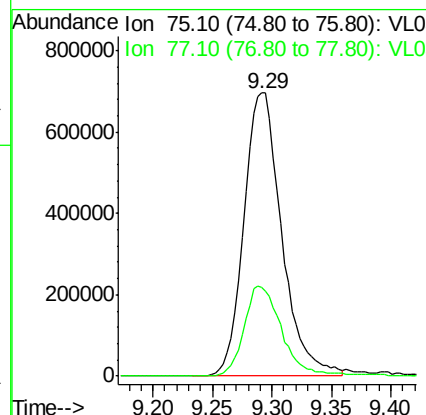
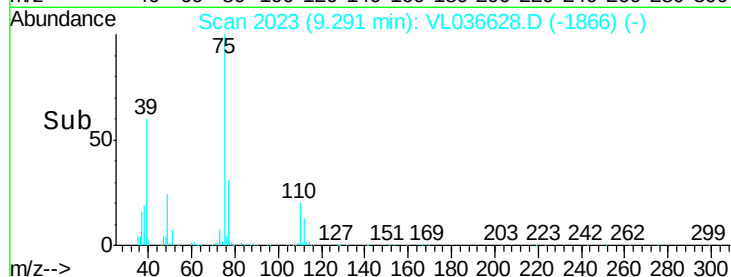
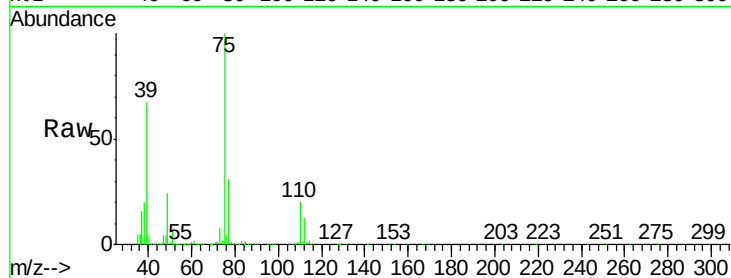
#45
t-1,3-Dichloropropene
Concen: 11.445 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion: 75 Resp: 1532698
Ion Ratio Lower Upper
75 100
77 31.3 25.1 37.7

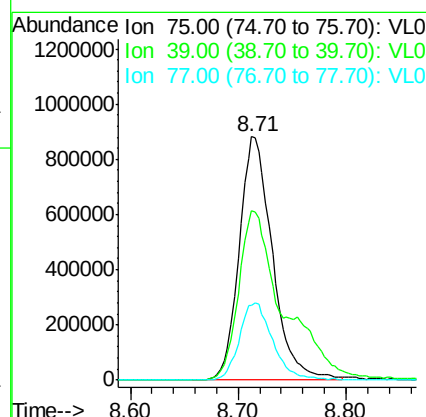
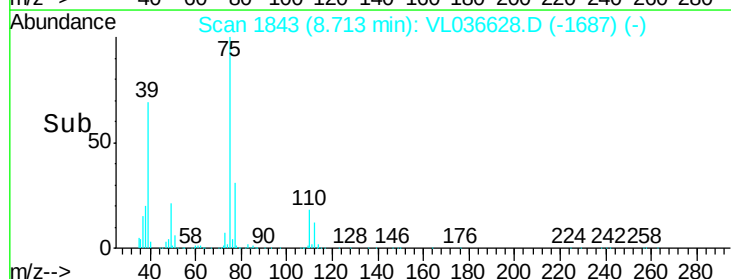
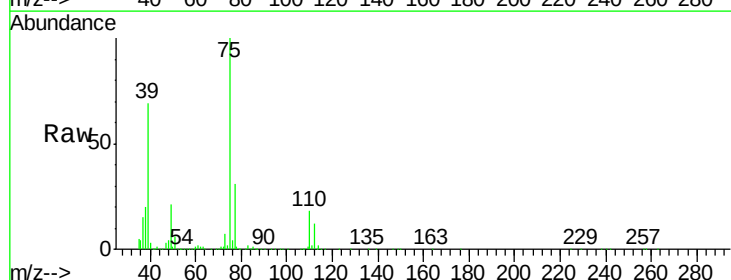
Manual Integrations
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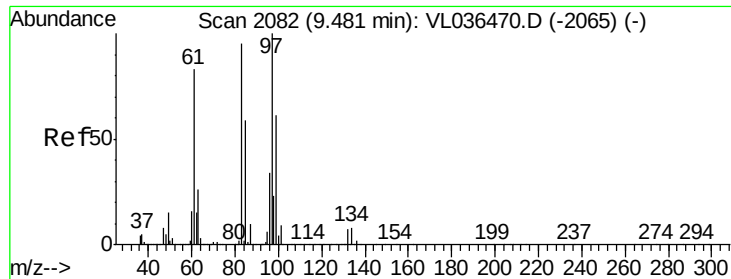
MMDadoda
4/2/2021 6:55:01 PM



#46
cis-1,3-Dichloropropene
Concen: 11.048 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Tgt Ion: 75 Resp: 1891234
Ion Ratio Lower Upper
75 100
39 69.2 58.2 87.2
77 30.9 25.2 37.8





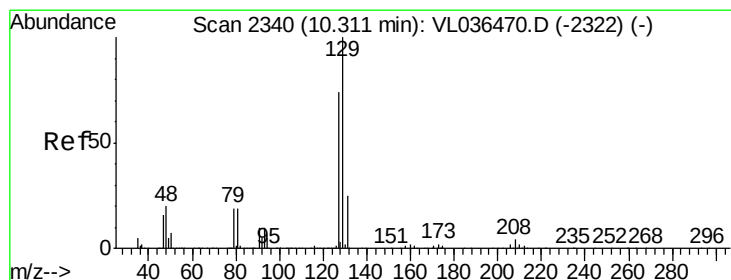
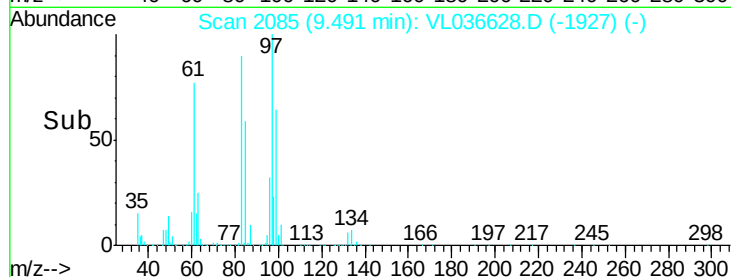
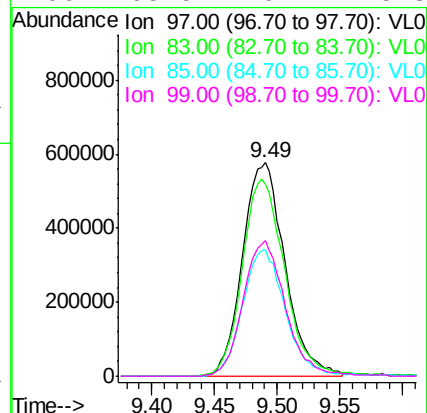
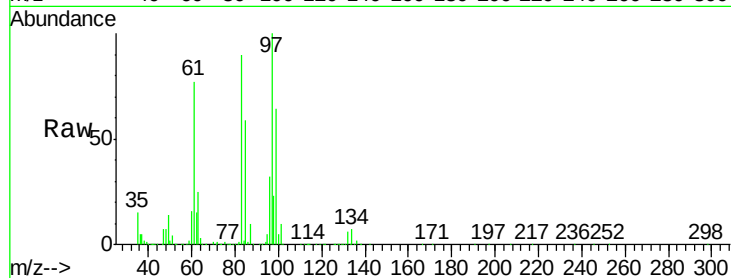
#47
 1,1,2-Trichloroethane
 Concen: 9.454 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion: 97 Resp: 1356648
 Ion Ratio Lower Upper
 97 100
 83 90.1 75.8 113.8
 85 59.0 47.1 70.7
 99 63.5 49.2 73.8

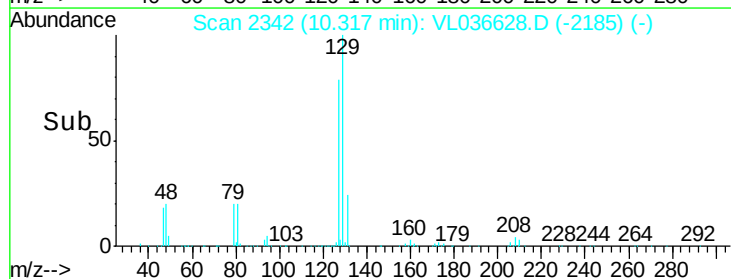
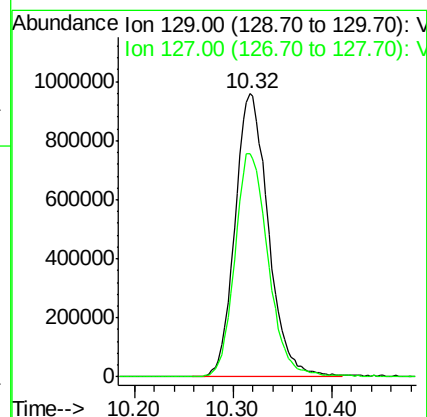
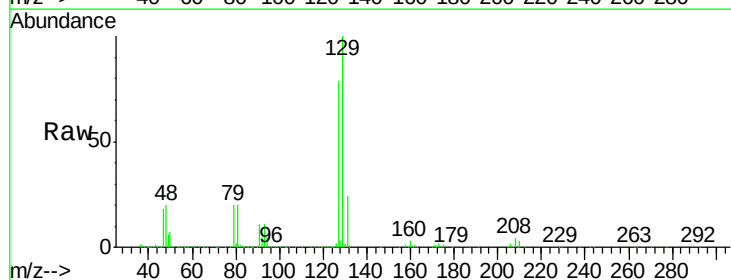
Manual Integrations
 APPROVED

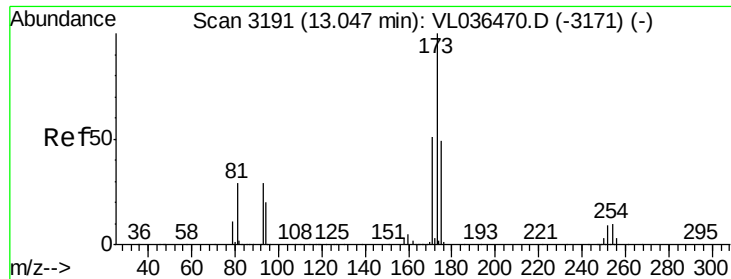
MMDadoda
 4/2/2021 6:55:01 PM



#48
 Dibromochloromethane
 Concen: 10.318 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Tgt Ion: 129 Resp: 2257227
 Ion Ratio Lower Upper
 129 100
 127 79.5 39.6 118.8





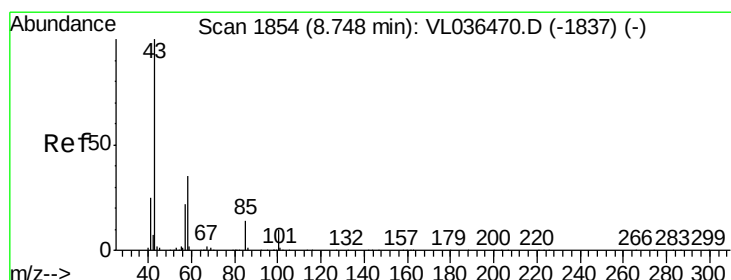
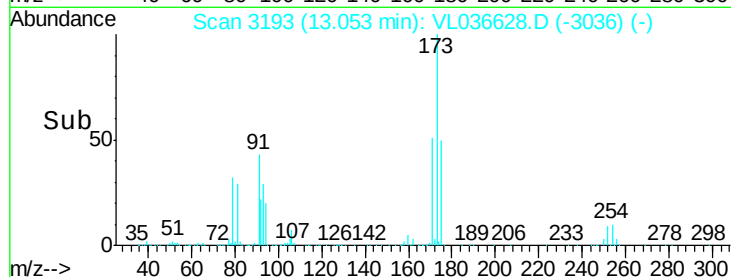
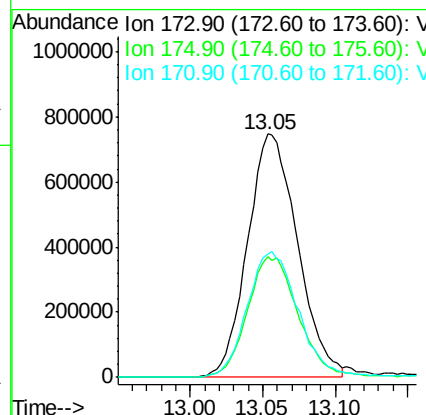
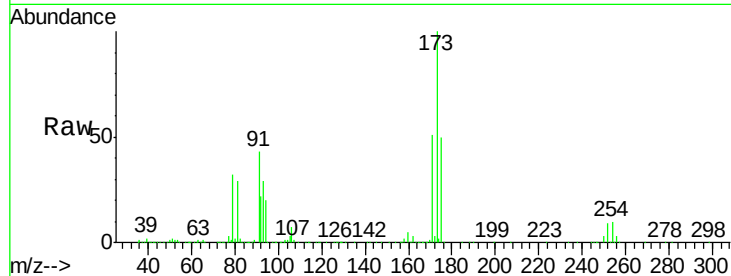
#49
Bromoform
Concen: 10.155 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion:173 Resp: 1789999
Ion Ratio Lower Upper
173 100
175 51.4 39.6 59.4
171 53.1 41.4 62.0

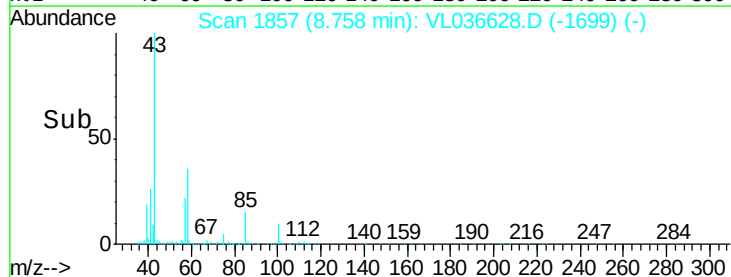
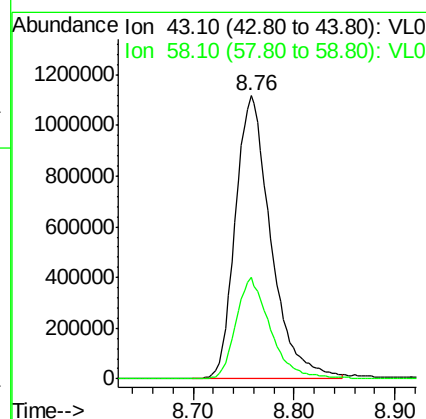
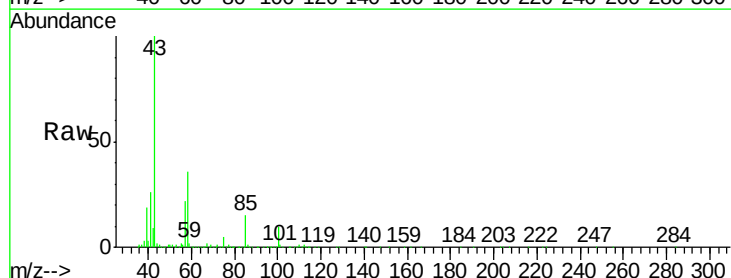
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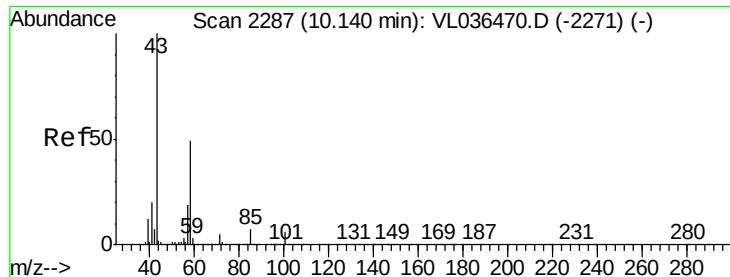
MMDadoda
4/2/2021 6:55:01 PM



#50
4-Methyl-2-Pentanone
Concen: 10.243 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Tgt Ion: 43 Resp: 2739940
Ion Ratio Lower Upper
43 100
58 35.2 28.2 42.2





#51

2-Hexanone

Concen: 11.160 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. 0.01 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion: 43 Resp: 1506366

Ion Ratio Lower Upper

43 100

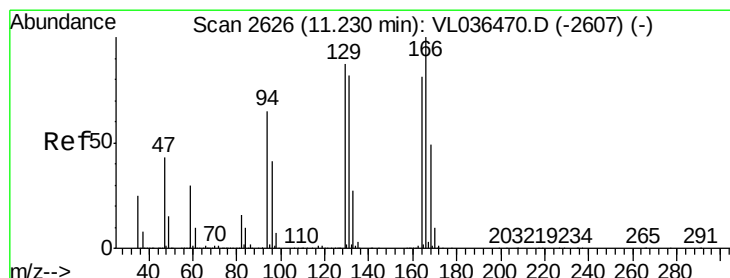
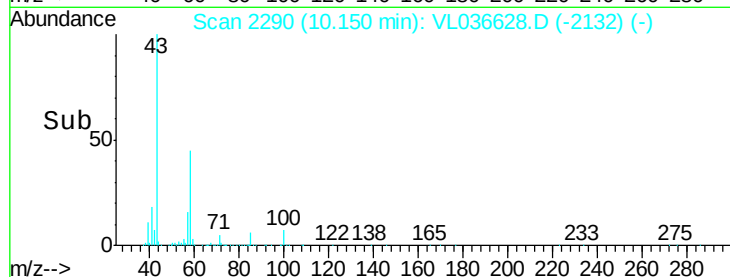
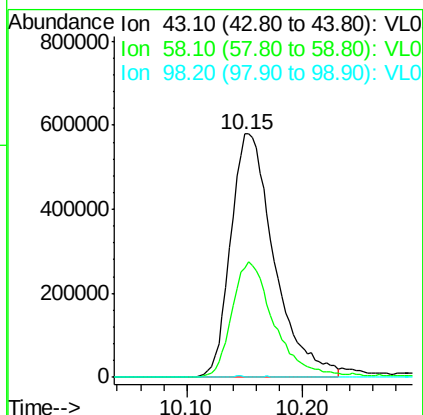
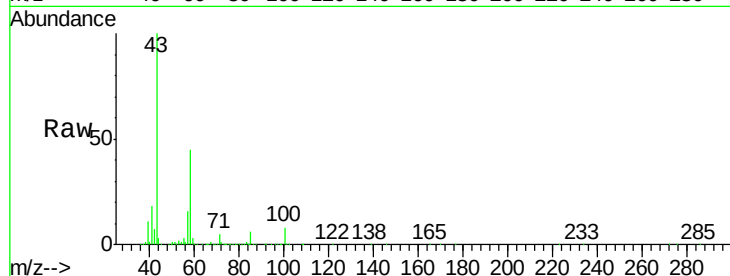
58 47.5 37.7 56.5

98 0.3 0.2 0.2#

Manual Integrations
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#52

Tetrachloroethene

Concen: 8.715 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. 0.01 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

Tgt Ion: 164 Resp: 1120866

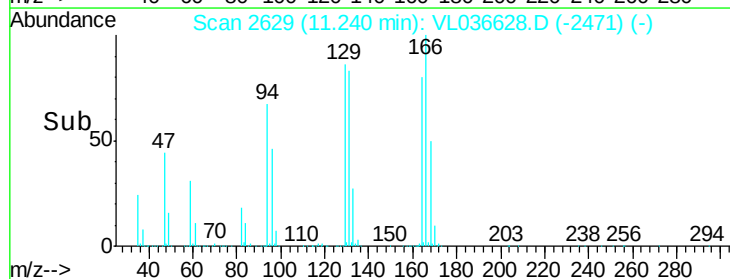
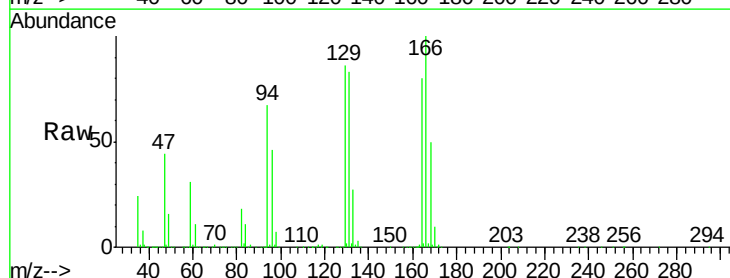
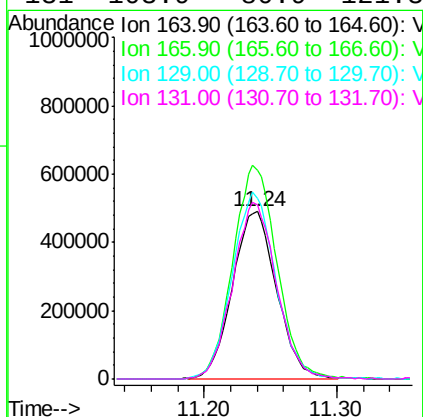
Ion Ratio Lower Upper

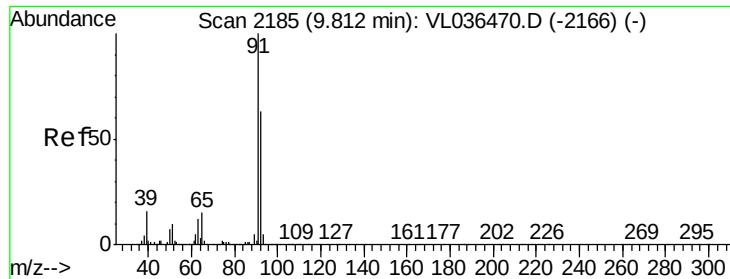
164 100

166 124.8 98.3 147.5

129 107.5 85.8 128.8

131 103.9 80.9 121.3





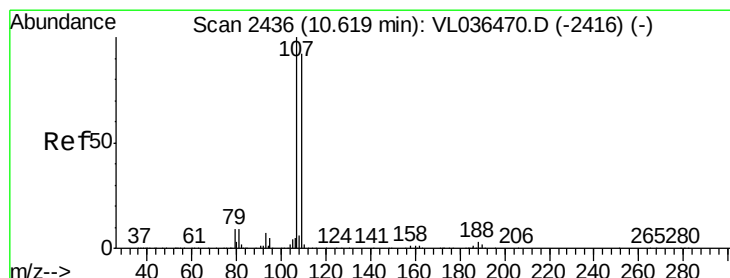
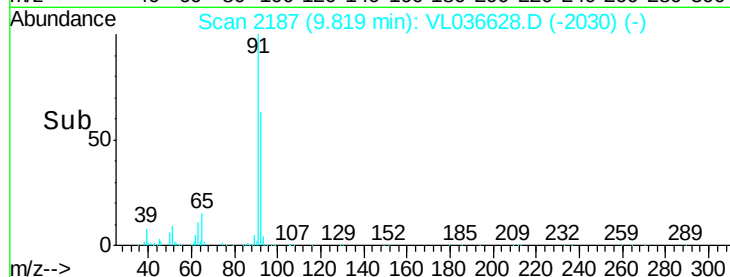
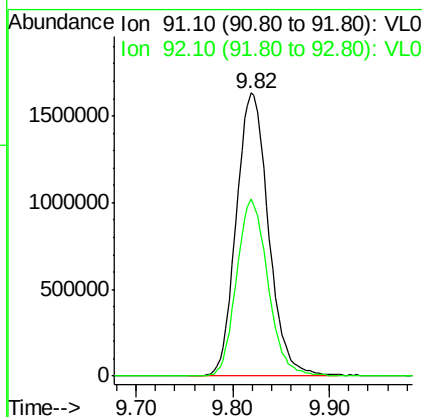
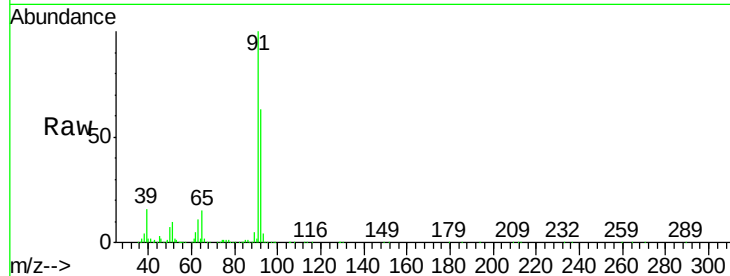
#53
Toluene
Concen: 10.170 ppbv
RT: 9.82 min Scan# 2187
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion: 91 Resp: 3782809
Ion Ratio Lower Upper
91 100
92 61.1 48.8 73.2

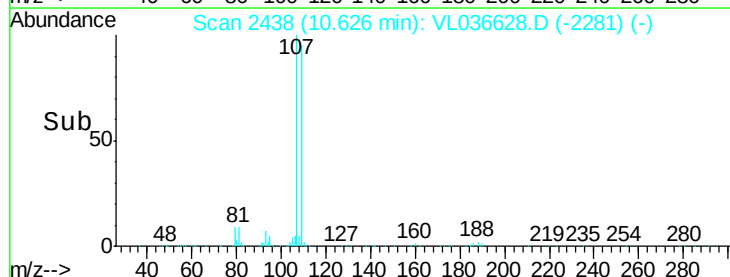
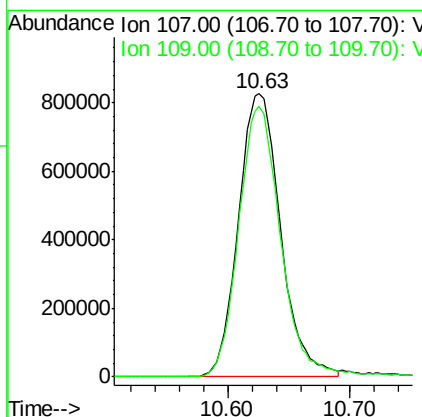
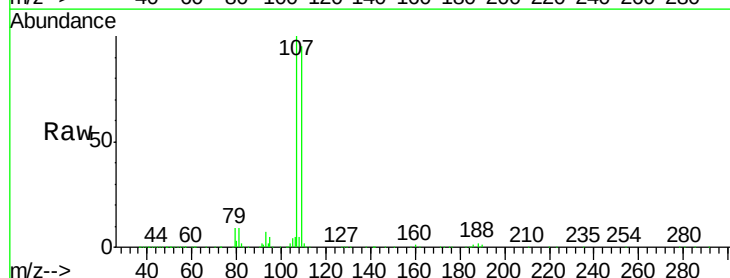
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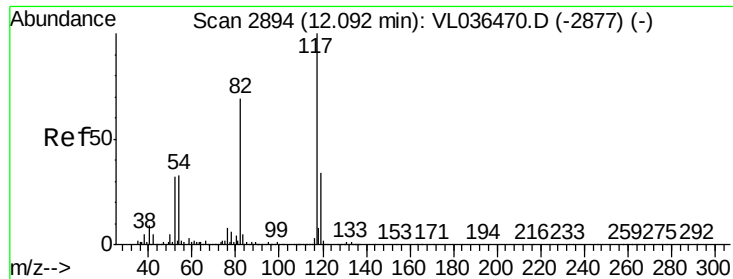
MMDadoda
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#54
1,2-Dibromoethane
Concen: 9.725 ppbv
RT: 10.63 min Scan# 2438
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Tgt Ion: 107 Resp: 1970787
Ion Ratio Lower Upper
107 100
109 95.3 73.9 110.9





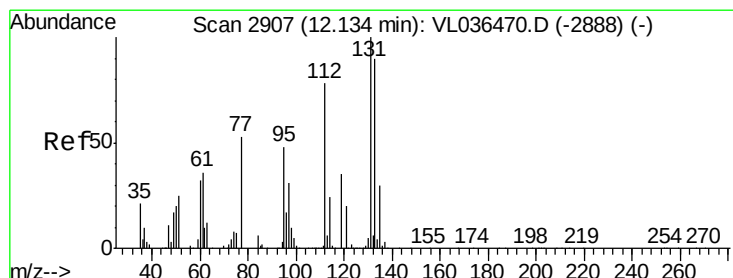
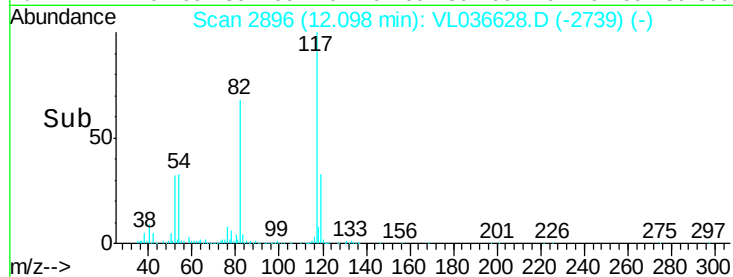
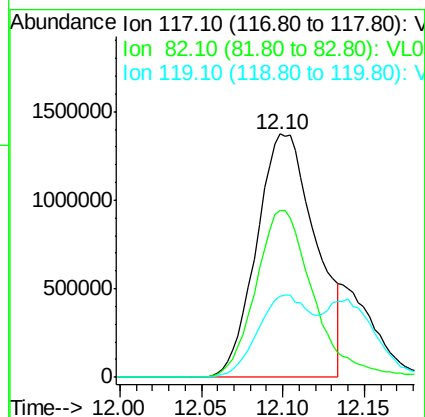
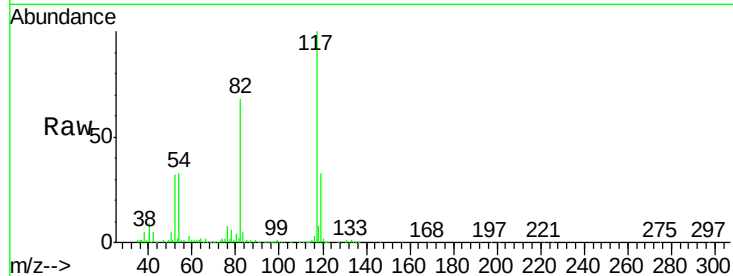
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2896
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.6	57.4	86.0
119	32.2	47.4	71.0#

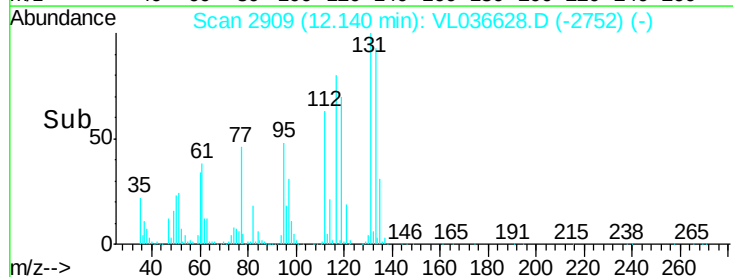
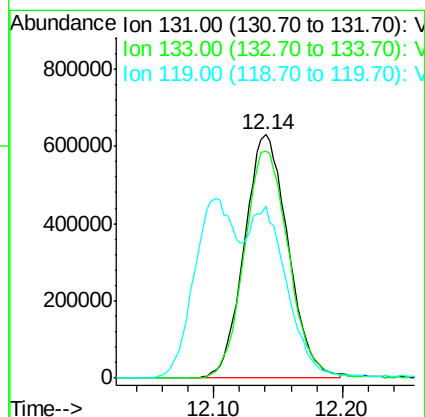
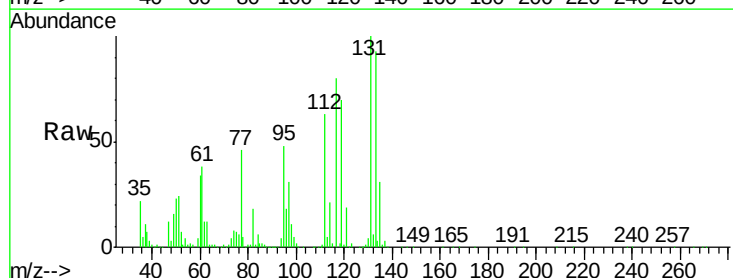
Manual Integrations
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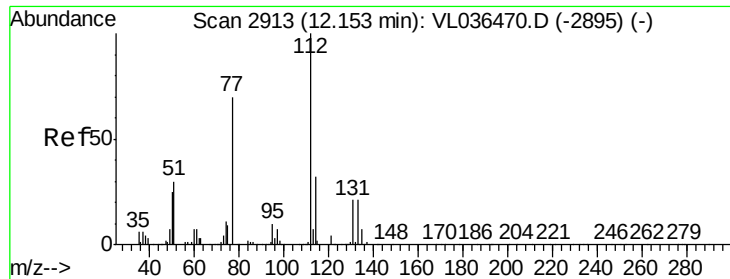
MMDadoda
4/2/2021 6:55:01 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.468 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	75.8	113.6
119	65.2	48.7	73.1





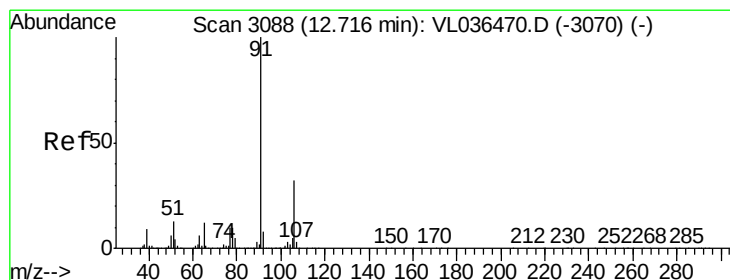
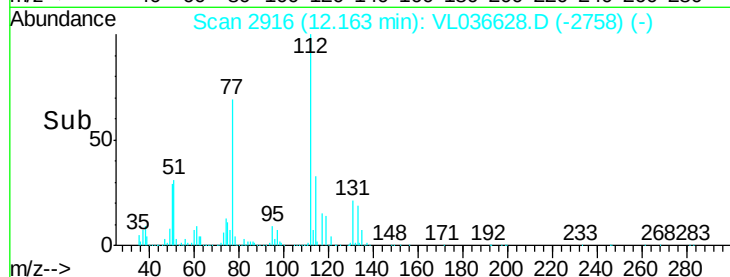
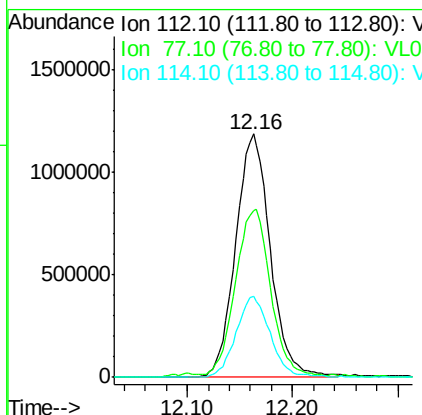
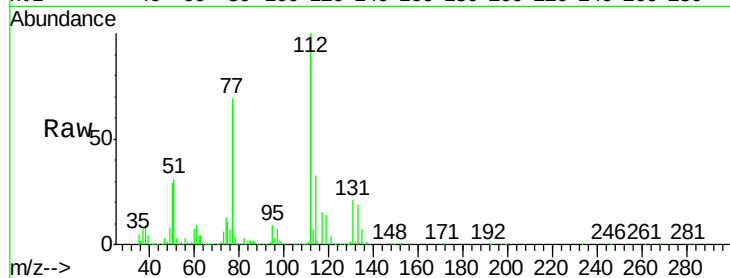
#57
Chlorobenzene
Concen: 9.181 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	67.8	56.0	84.0
114	33.5	29.0	35.4

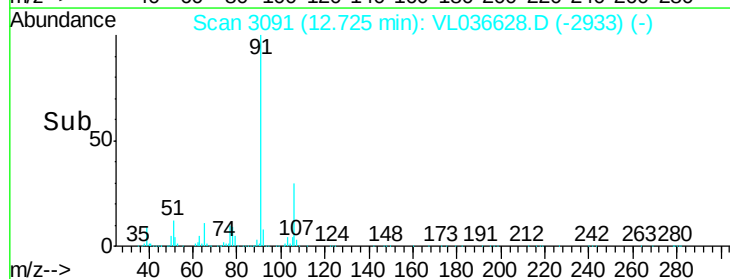
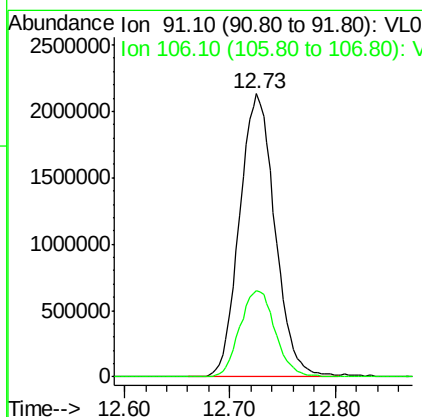
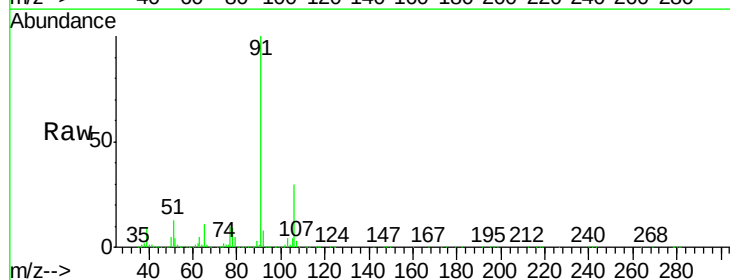
Manual Integrations
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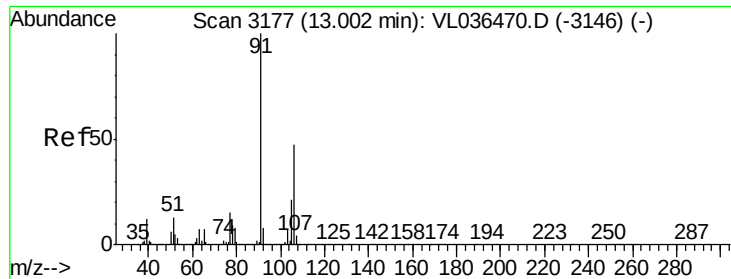
MMDadoda
4/2/2021 6:55:01 PM



#58
Ethyl Benzene
Concen: 9.864 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	25.3	37.9





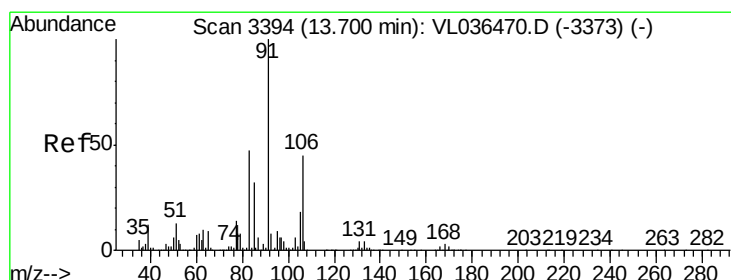
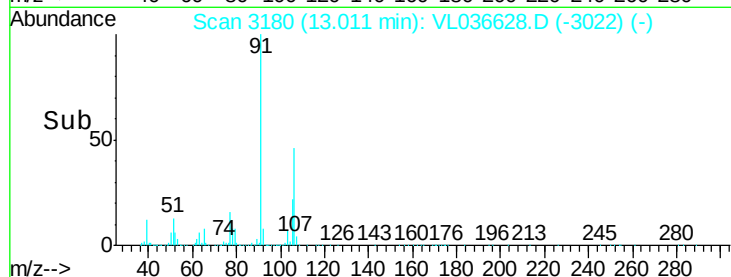
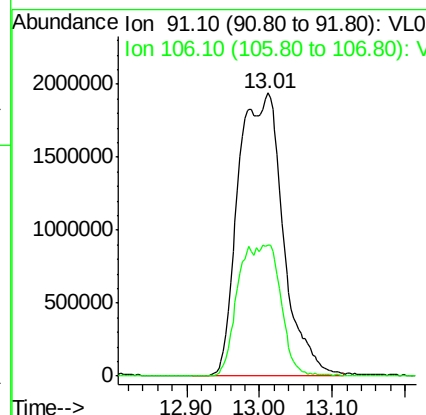
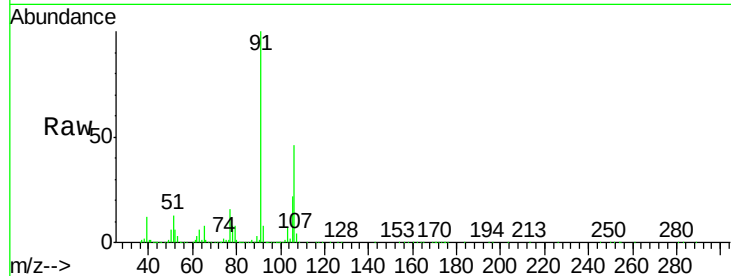
#59
m/p-Xylene
Concen: 18.925 ppbv m
RT: 13.01 min Scan# 3180
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion: 91 Resp: 8337348
Ion Ratio Lower Upper
91 100
106 44.4 35.3 52.9

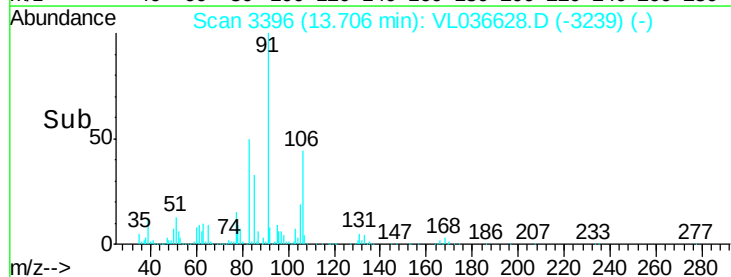
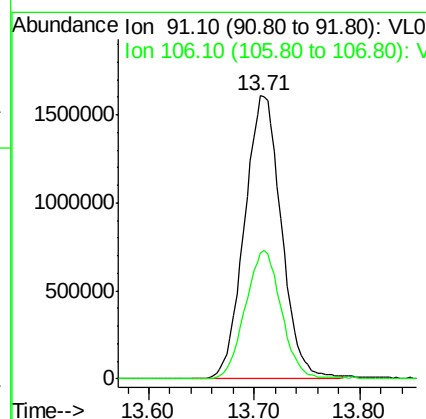
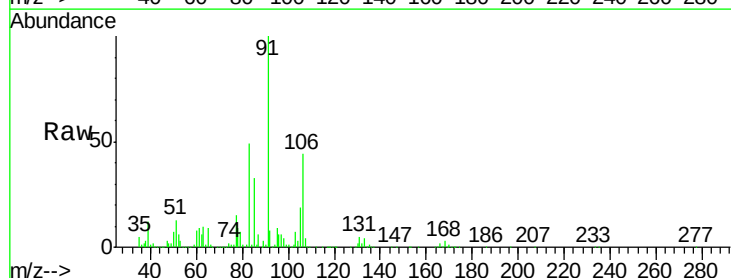
Manual Integrations
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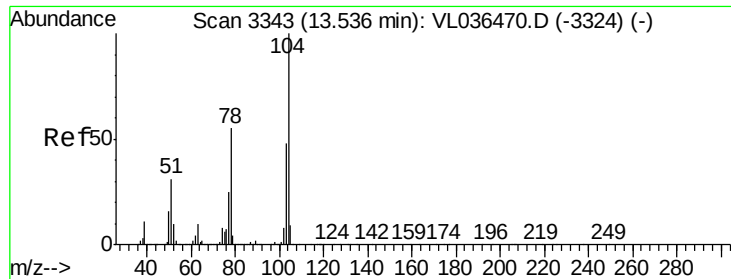
MMDadoda
4/2/2021 6:55:01 PM



#60
o-Xylene
Concen: 9.164 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Tgt Ion: 91 Resp: 3903267
Ion Ratio Lower Upper
91 100
106 44.9 22.3 66.9





#61

Stvrene

Concen: 10.970 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. 0.01 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion:104 Resp: 2350828

Ion Ratio Lower Upper

104 100

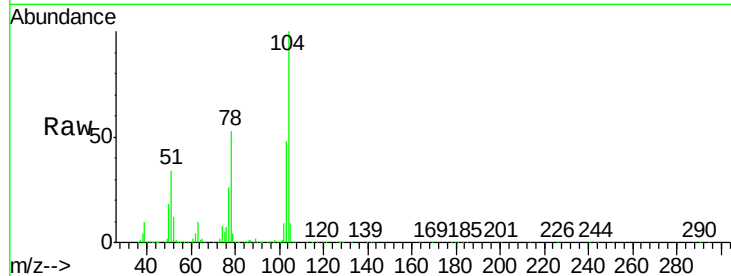
78 54.3 43.8 65.8

103 47.9 38.3 57.5

Manual Integrations
APPROVED

MMDadoda

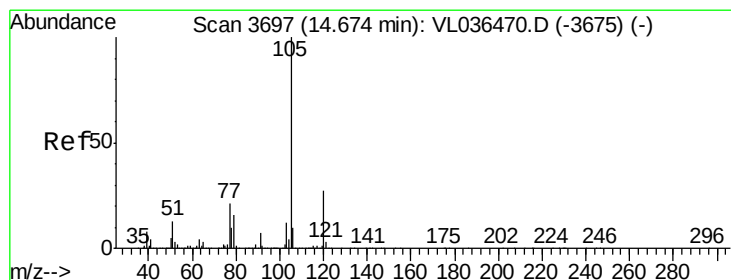
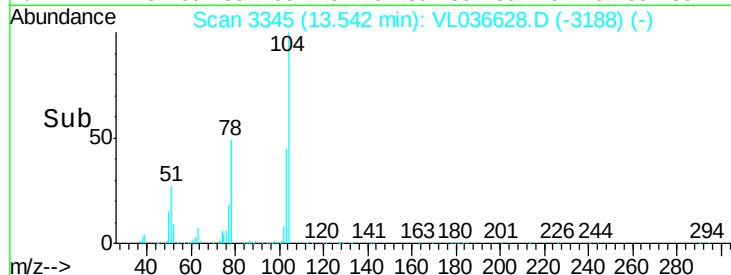
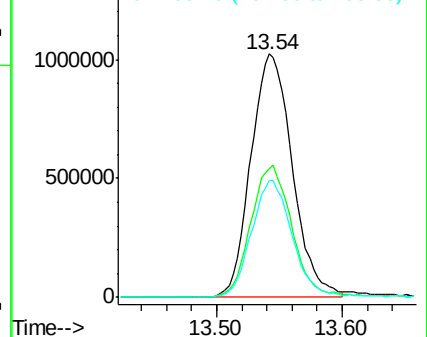
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.164 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. 0.01 min

Lab File: VL036628.D

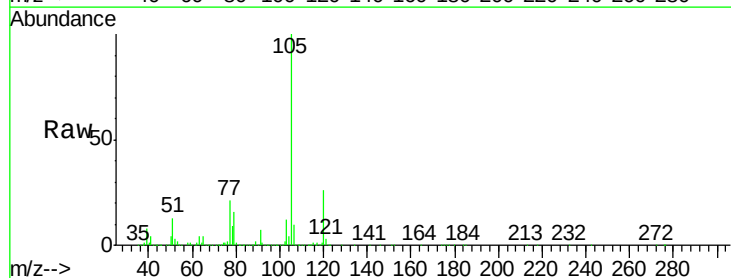
Acq: 1 Apr 2021 12:03

Tgt Ion:105 Resp: 5256591

Ion Ratio Lower Upper

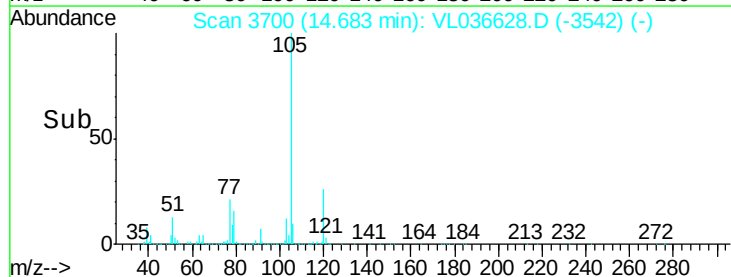
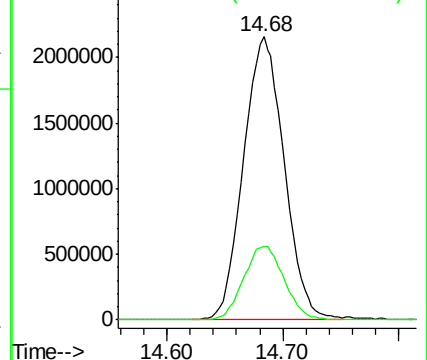
105 100

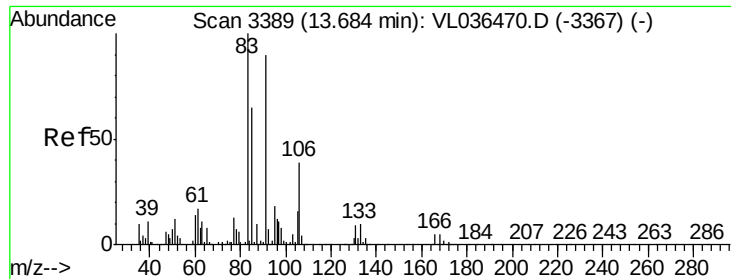
120 26.1 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





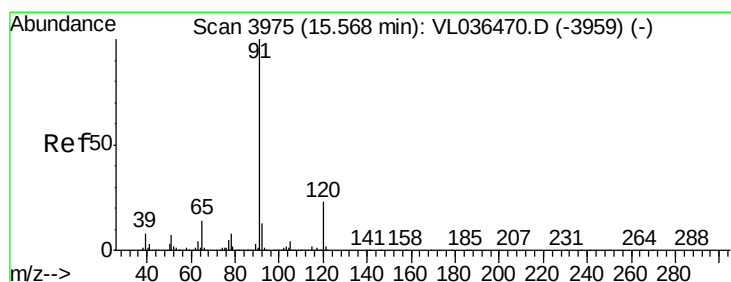
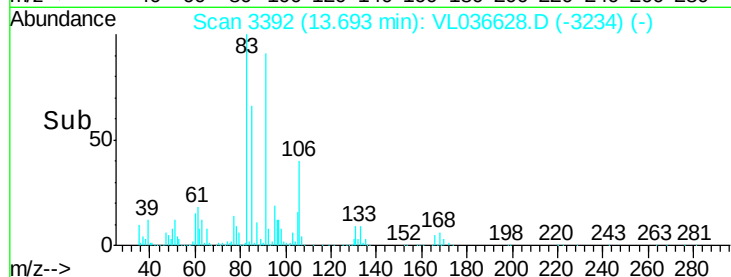
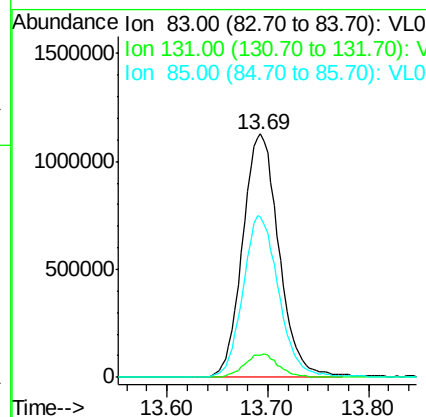
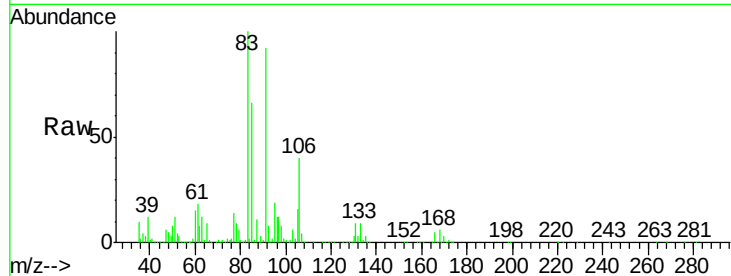
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.652 ppbv
 RT: 13.69 min Scan# 3392
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	65.4	33.1	99.3

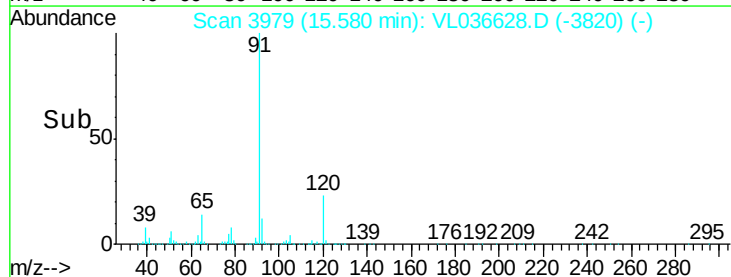
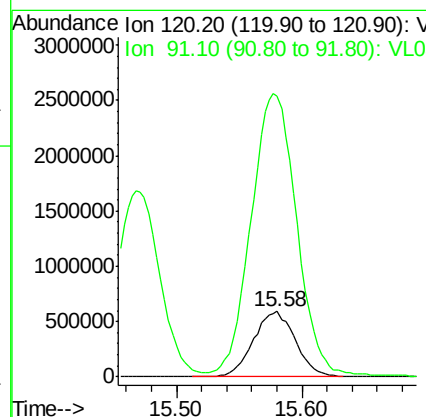
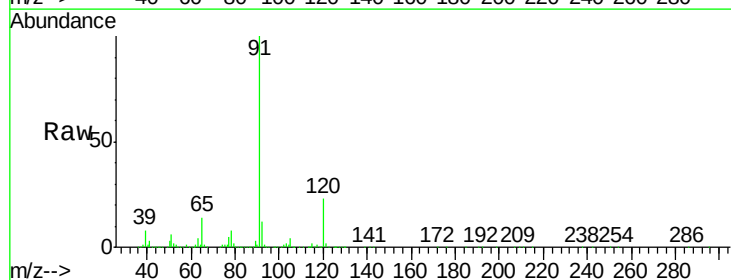
Manual Integrations
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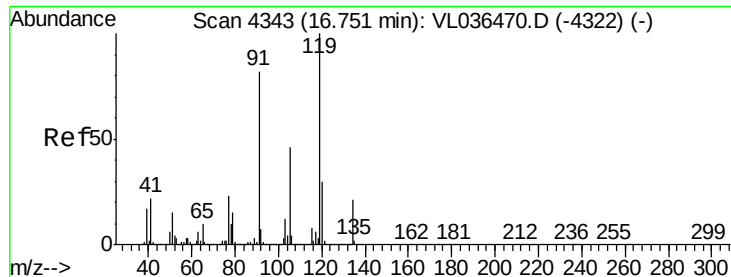
MMDadoda
 4/2/2021 6:55:01 PM



#64
 n-propylbenzene
 Concen: 9.829 ppbv
 RT: 15.58 min Scan# 3979
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Tgt Ion	Ratio	Lower	Upper
120	100		
91	473.3	377.4	566.2





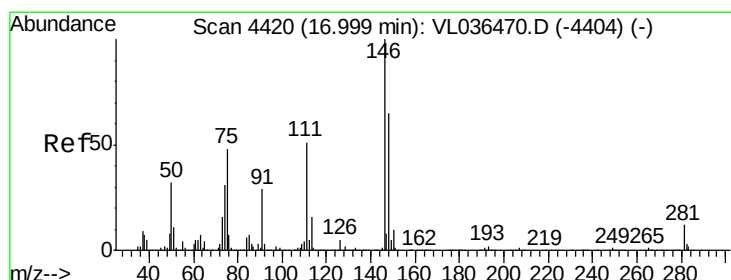
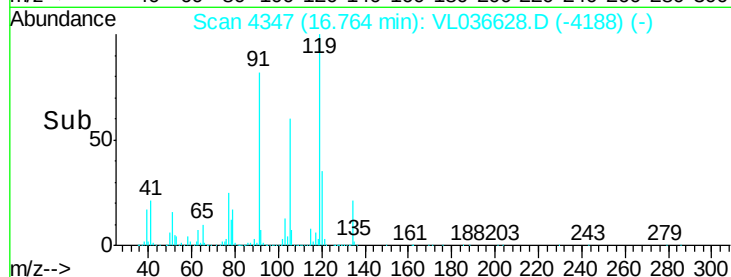
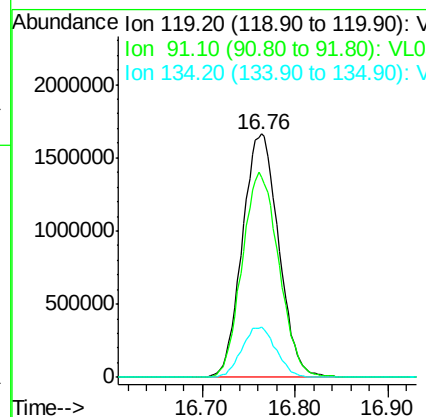
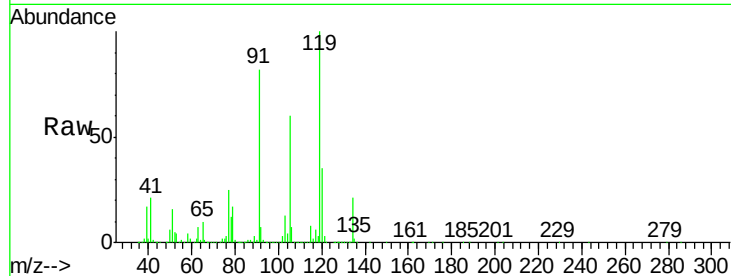
#65
tert-Butylbenzene
Concen: 9.093 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	85.1	67.5	101.3
134	19.5	15.8	23.8

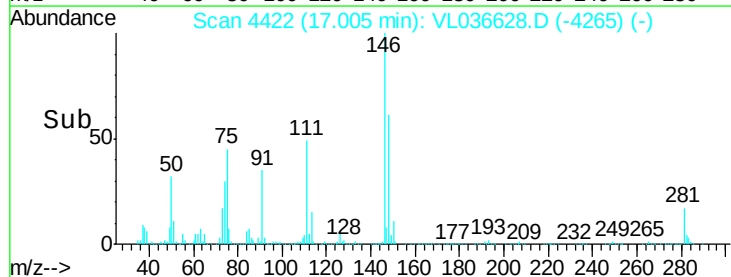
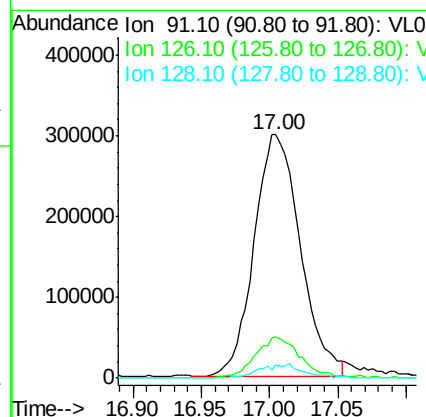
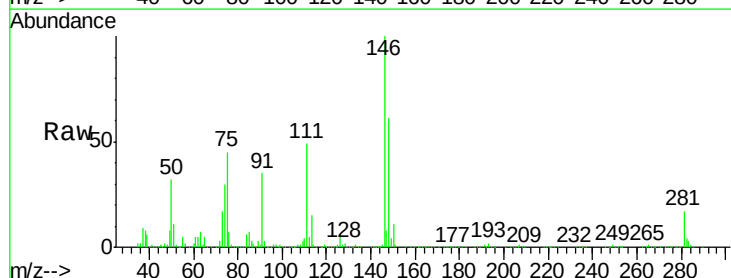
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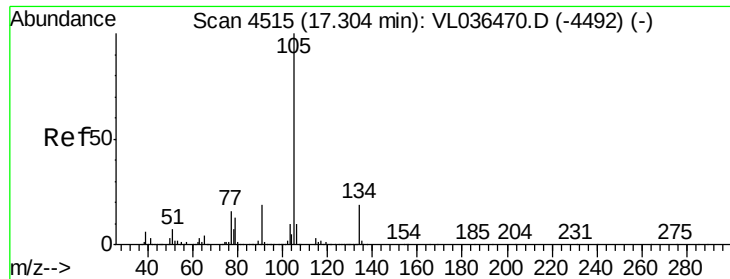
MMDadoda
4/2/2021 6:55:01 PM



#66
Benzyl Chloride
Concen: 12.833 ppbv
RT: 17.00 min Scan# 4422
Delta R.T. 0.01 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.3	13.5	20.3
128	5.8	4.2	6.4





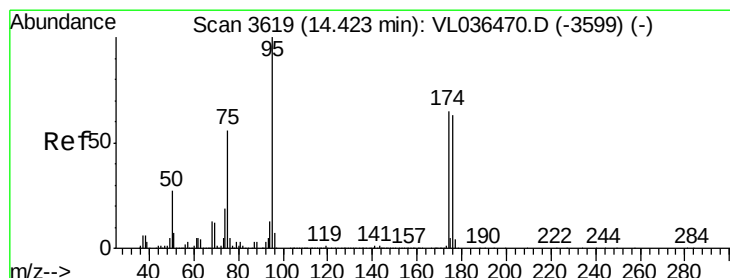
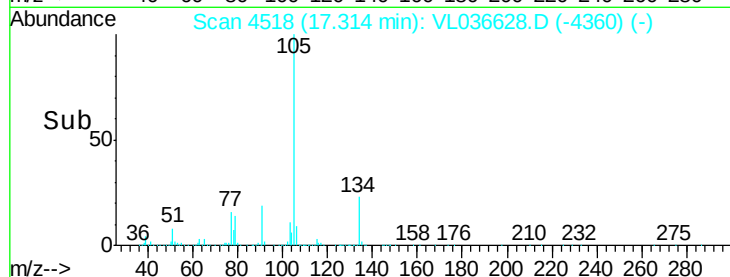
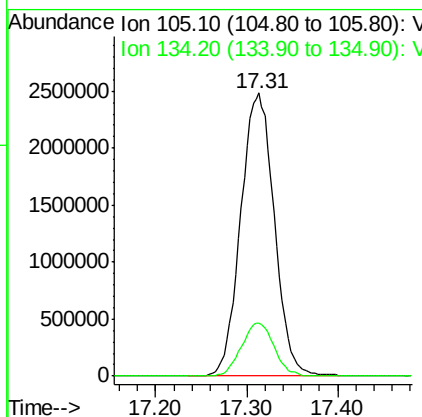
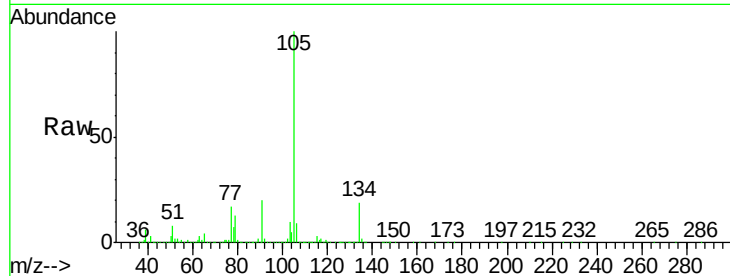
#67
 sec-Butylbenzene
 Concen: 9.041 ppbv
 RT: 17.31 min Scan# 4518
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion:105 Resp: 6347672
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.7 22.1

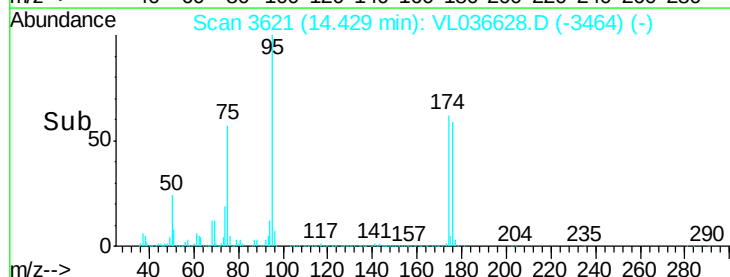
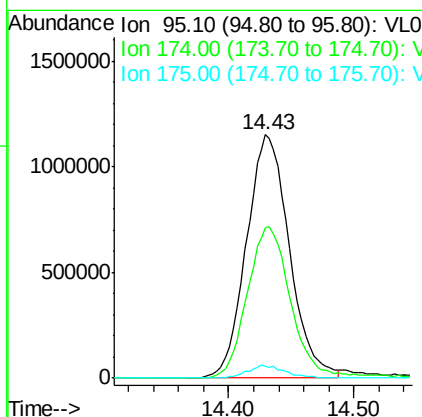
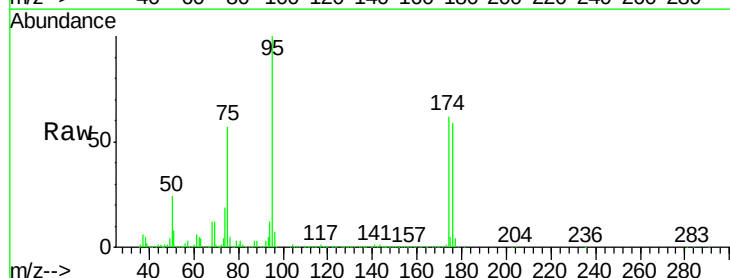
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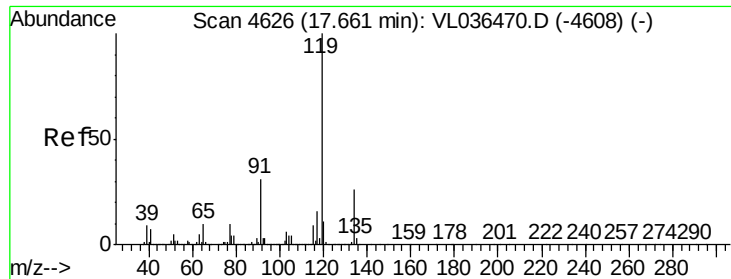
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.915 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Tgt Ion: 95 Resp: 2743445
 Ion Ratio Lower Upper
 95 100
 174 64.6 51.0 76.6
 175 4.6 3.9 5.9





#69

p-Isopropyltoluene

Concen: 9.544 ppbv

RT: 17.67 min Scan# 4629

Delta R.T. 0.01 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion: 119 Resp: 5232615

Ion Ratio Lower Upper

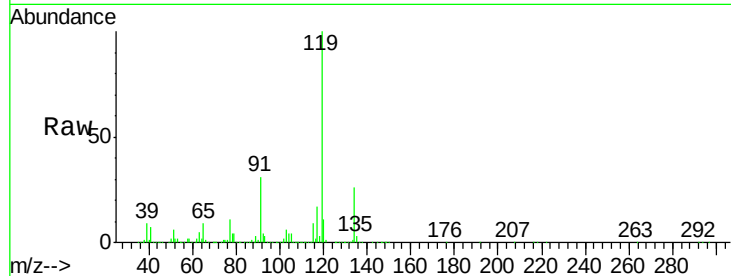
119 100

134 25.3 20.6 30.8

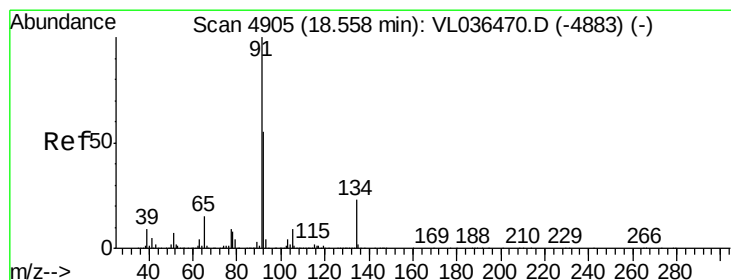
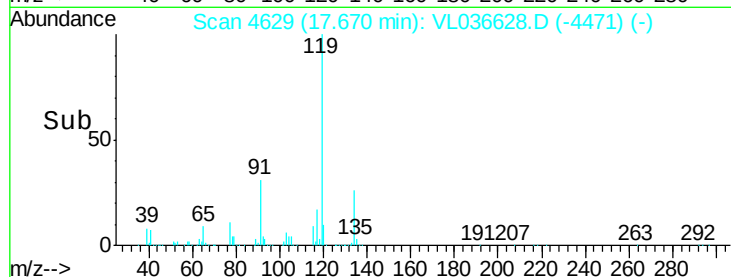
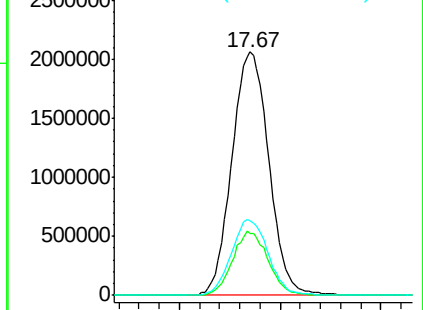
91 31.1 25.0 37.6

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Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 9.538 ppbv

RT: 18.57 min Scan# 4908

Delta R.T. 0.01 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

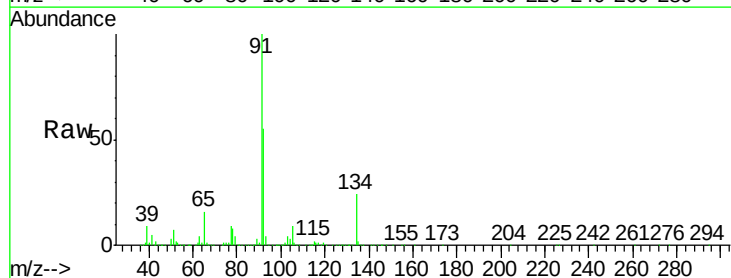
Tgt Ion: 91 Resp: 5422133

Ion Ratio Lower Upper

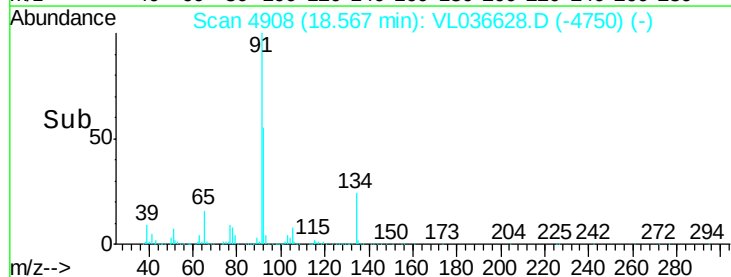
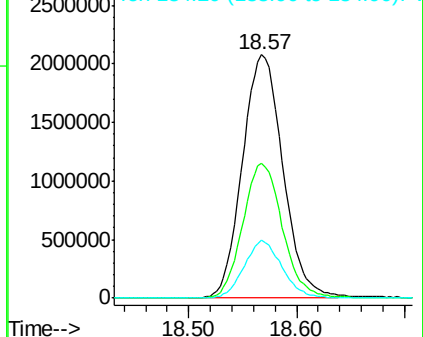
91 100

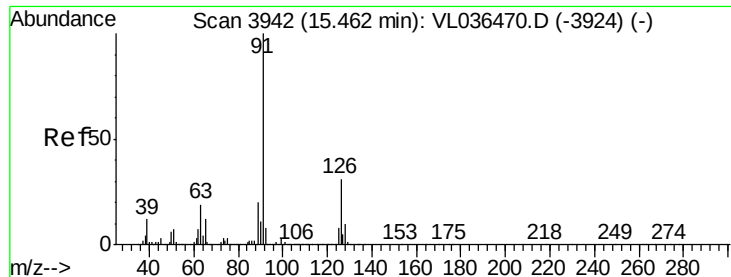
92 54.4 43.8 65.8

134 22.3 18.0 27.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.497 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion: 91 Resp: 4082007

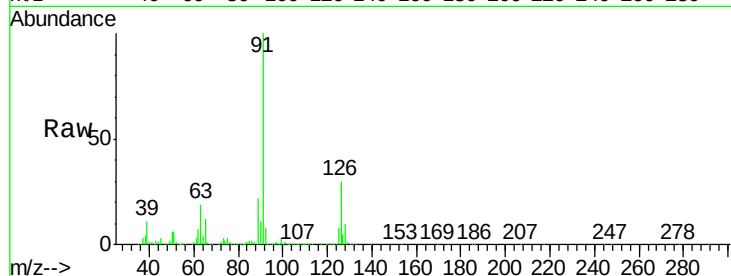
Ion Ratio Lower Upper

91 100

126 30.3 12.1 48.5

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

3000000

2500000

2000000

1500000

1000000

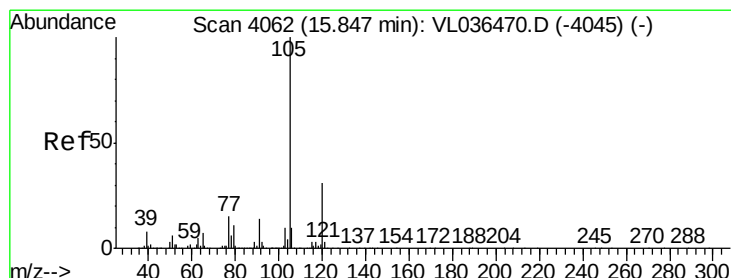
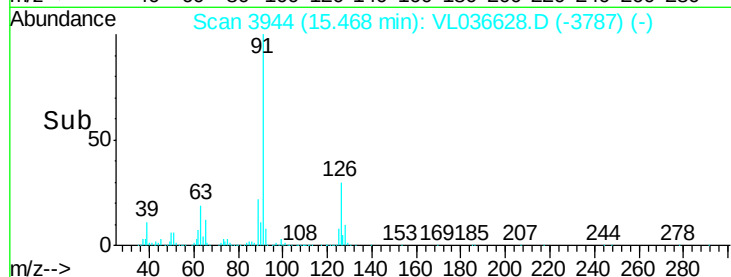
500000

0

15.40

15.50

Time-->



#72

4-Ethyltoluene

Concen: 9.920 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. 0.01 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

Tgt Ion:105 Resp: 4630003

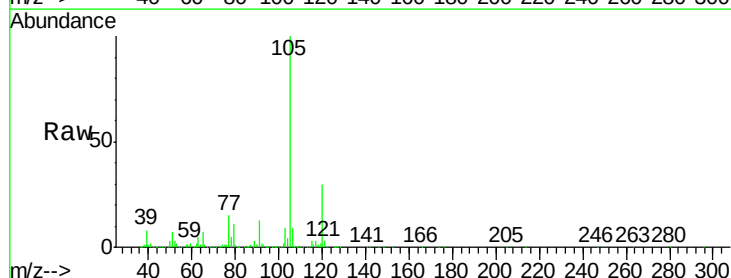
Ion Ratio Lower Upper

105 100

120 29.2 24.0 36.0

91 13.5 11.0 16.4

77 14.4 11.7 17.5



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

3000000

2500000

2000000

1500000

1000000

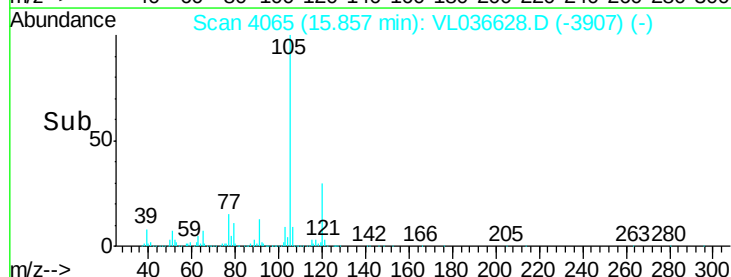
500000

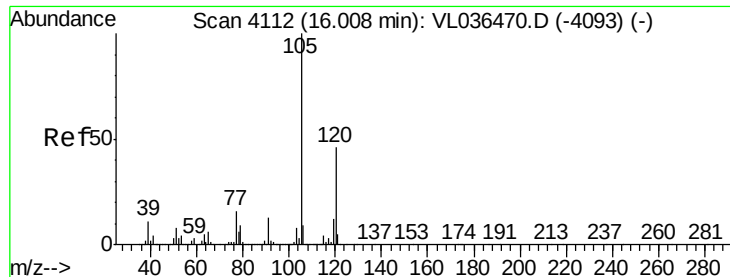
0

15.80

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 9.494 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. 0.01 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion:105 Resp: 4136122

Ion Ratio Lower Upper

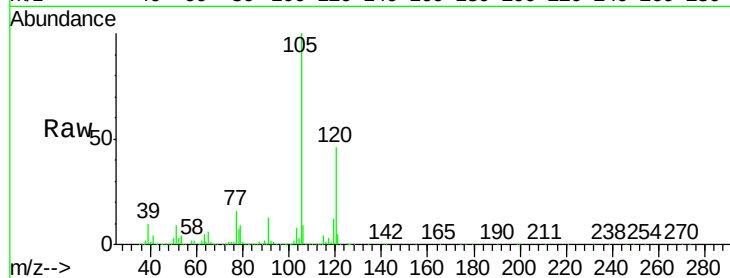
105 100

120 46.3 36.6 54.8

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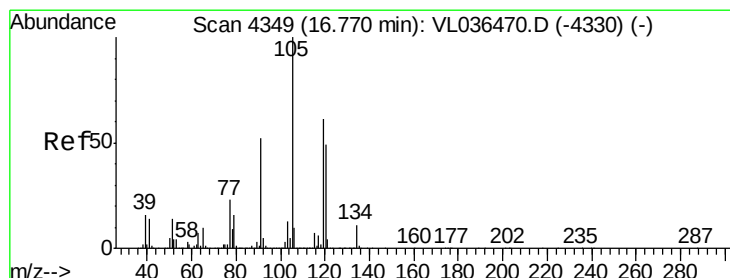
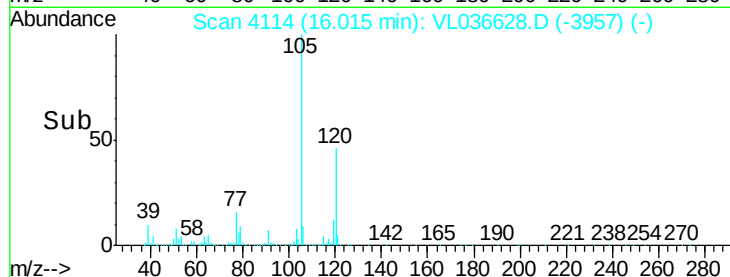
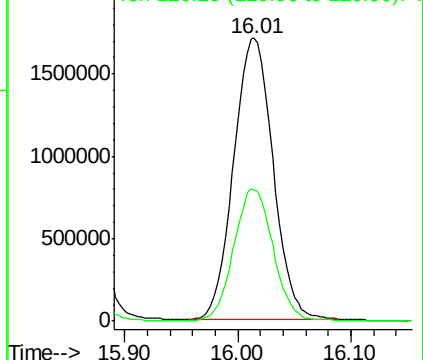
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.002 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.01 min

Lab File: VL036628.D

Acq: 1 Apr 2021 12:03

Tgt Ion:105 Resp: 4196557

Ion Ratio Lower Upper

105 100

120 48.0 39.2 58.8

91 50.0 42.6 64.0

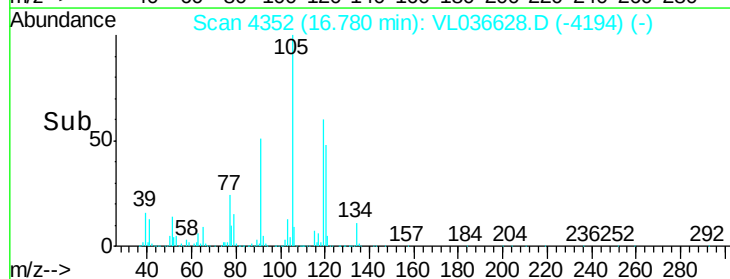
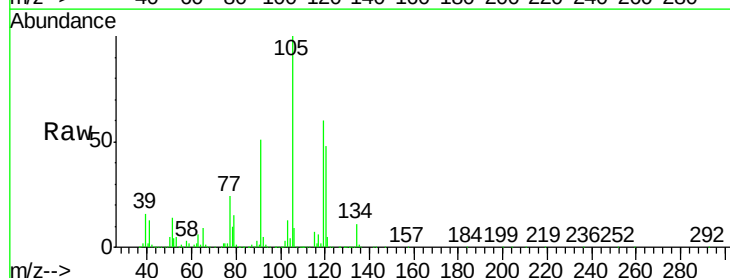
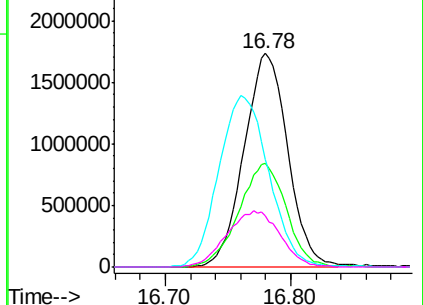
77 23.7 18.6 28.0

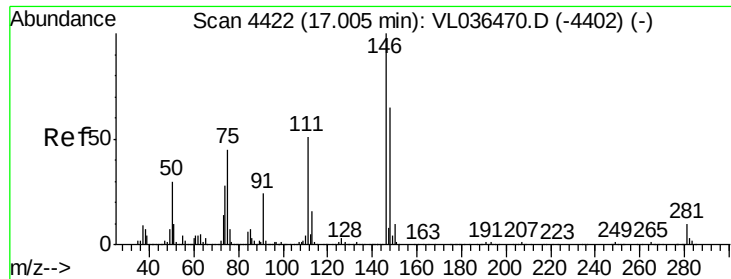
Abundance Ion 105.10 (104.80 to 105.80): V

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





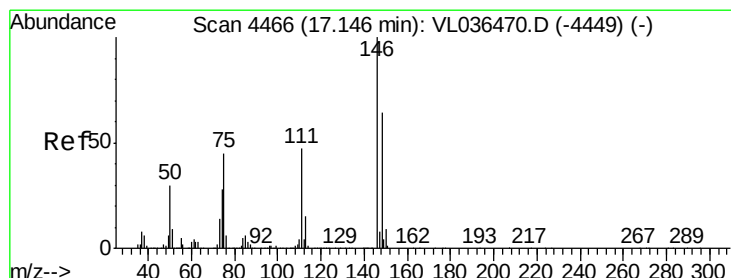
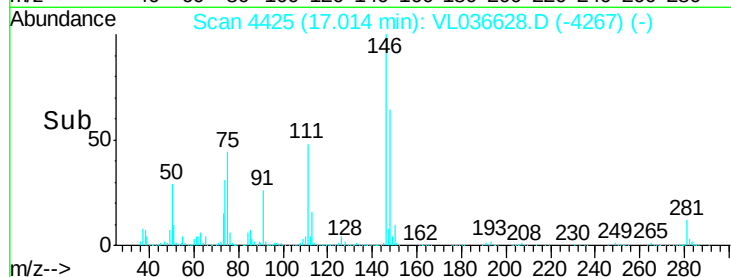
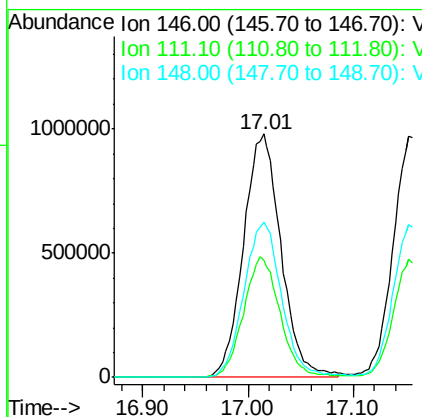
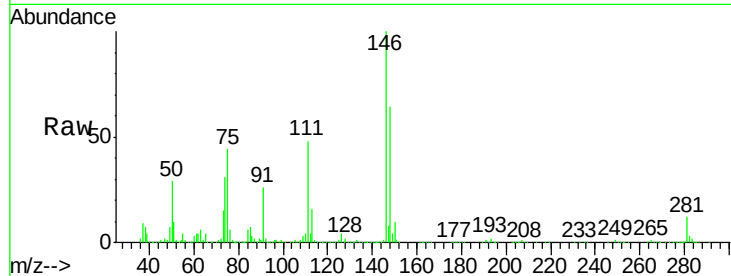
#75
 1,3-Dichlorobenzene
 Concen: 9.232 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion:146 Resp: 2422536
 Ion Ratio Lower Upper
 146 100
 111 48.1 24.5 73.5
 148 64.4 32.3 96.9

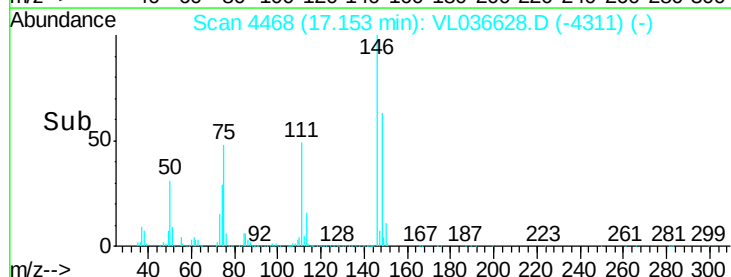
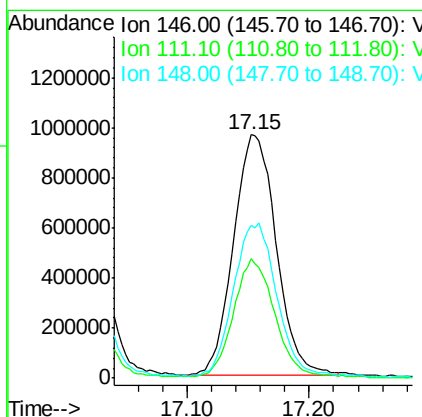
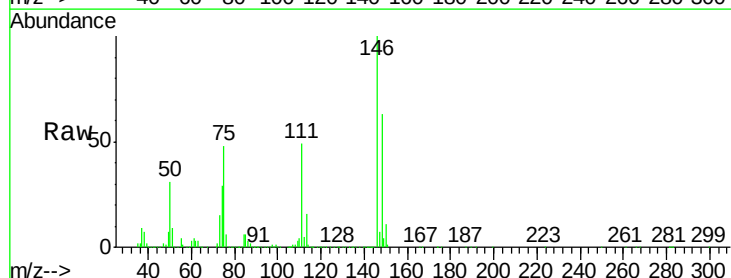
Manual Integrations
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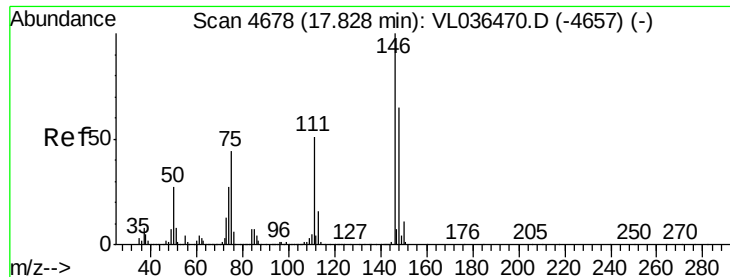
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#76
 1,4-Dichlorobenzene
 Concen: 8.995 ppbv
 RT: 17.15 min Scan# 4468
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Tgt Ion:146 Resp: 2343481
 Ion Ratio Lower Upper
 146 100
 111 48.2 24.3 72.8
 148 66.5 33.0 98.9





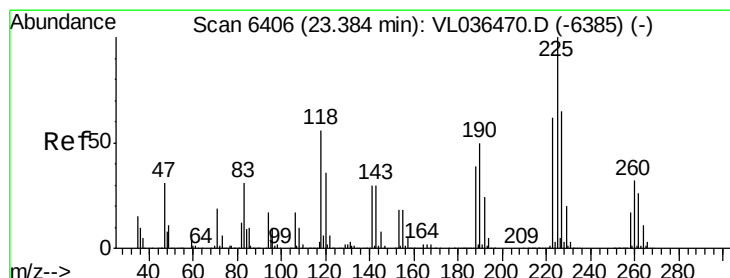
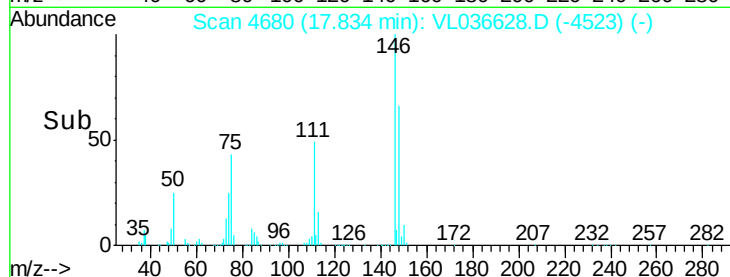
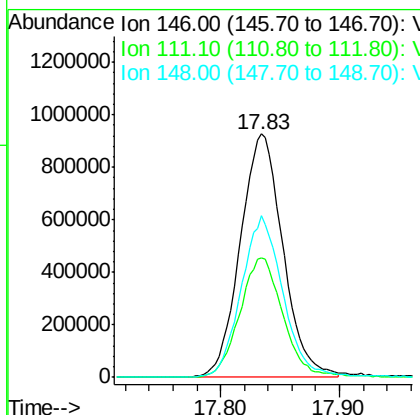
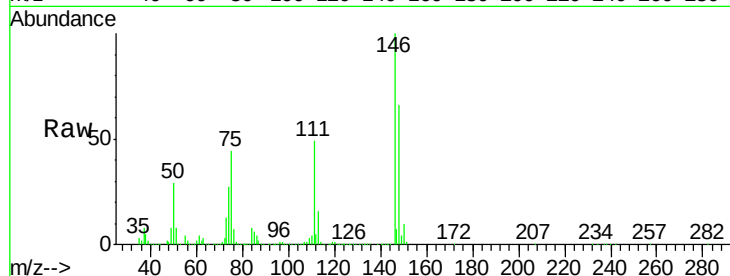
#77
 1,2-Dichlorobenzene
 Concen: 9.274 ppbv
 RT: 17.83 min Scan# 4680
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.4	25.5	76.5
148	65.1	32.9	98.6

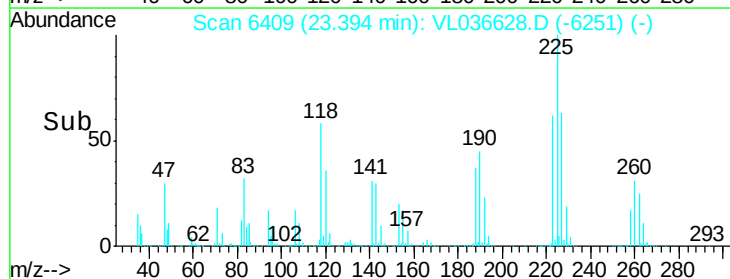
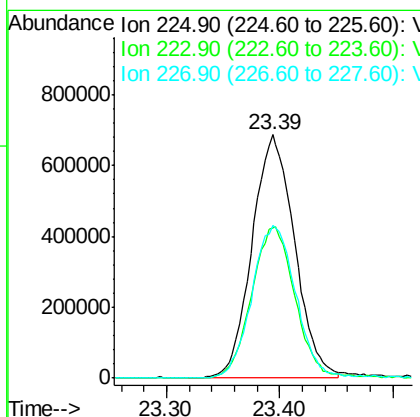
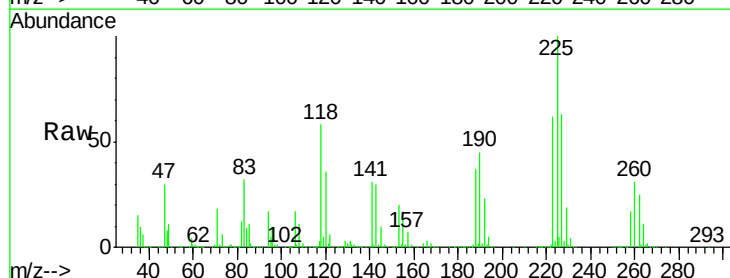
Manual Integrations
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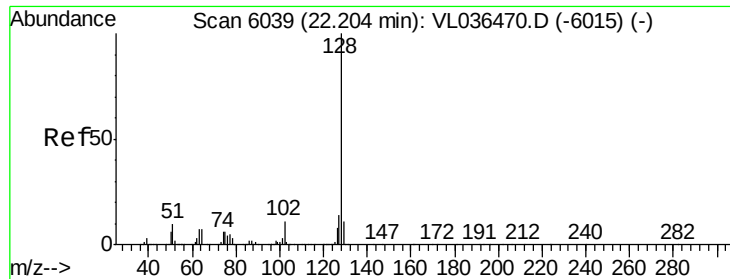
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.078 ppbv
 RT: 23.39 min Scan# 6409
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	50.6	75.8
227	66.2	52.2	78.2





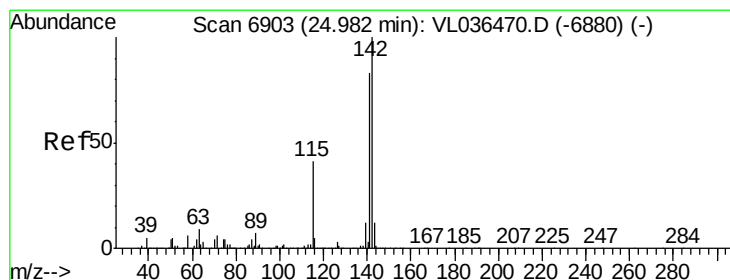
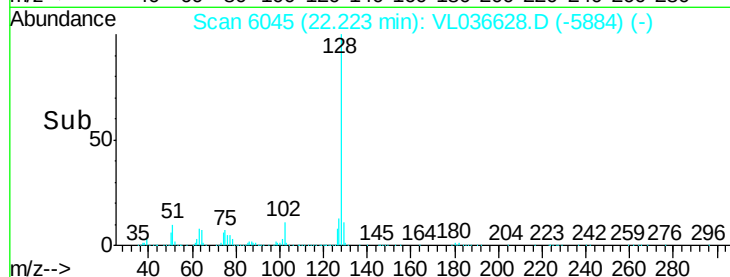
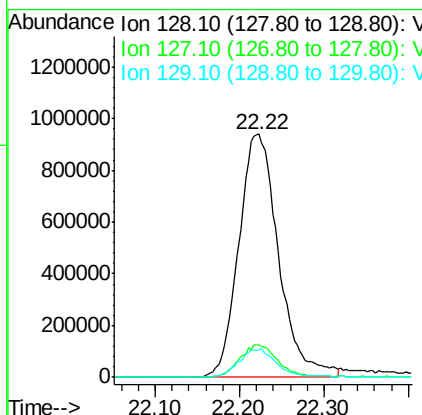
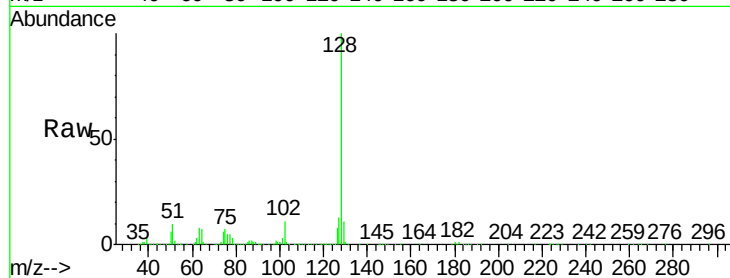
#79
Naphthalene
Concen: 11.353 ppbv
RT: 22.22 min Scan# 6045
Delta R.T. 0.02 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.9	16.3
129	11.0	9.0	13.4

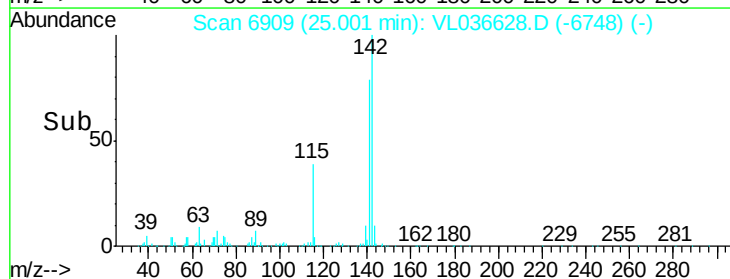
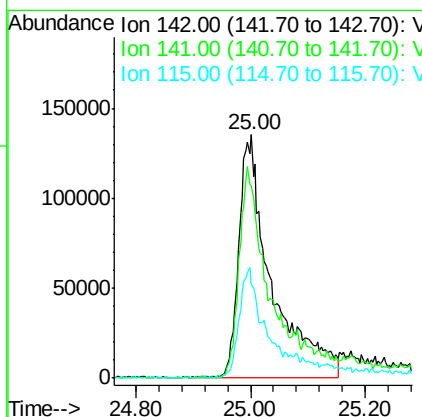
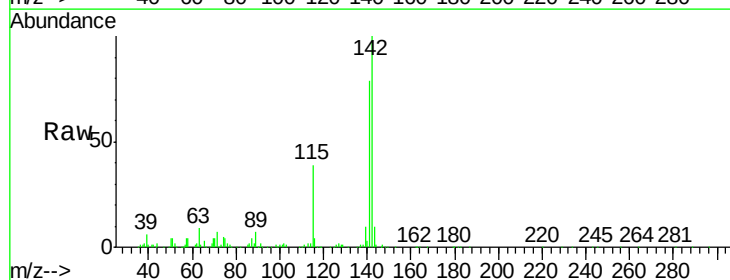
Manual Integrations
APPROVED

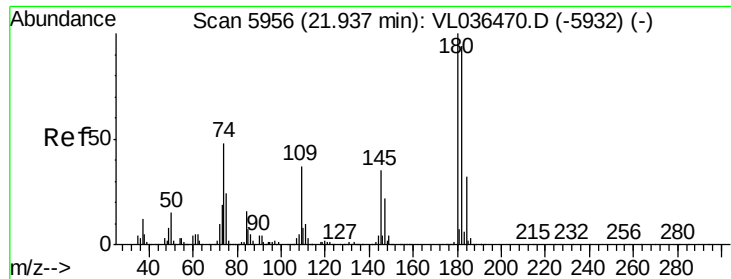
MMDadoda
4/2/2021 6:55:01 PM



#80
Naphthalene, 2-methyl-
Concen: 9.977 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. 0.02 min
Lab File: VL036628.D
Acq: 1 Apr 2021 12:03

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.9	67.8	101.8
115	45.5	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 10.263 ppbv
 RT: 21.95 min Scan# 5960
 Delta R.T. 0.01 min
 Lab File: VL036628.D
 Acq: 1 Apr 2021 12:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	80.8	121.2
184	30.9	25.0	37.4

Manual Integrations
 APPROVED

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 4/2/2021 6:55:01 PM

