

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036315.D
 Acq On : 10 Feb 2021 12:04
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 2/12/2021 1:41:52 PM

Quant Time: Feb 10 14:02:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 QLast Update : Wed Feb 10 13:51:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1508575	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3445102	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3314817	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2612690	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	424689	2.100 ppbv	93
3) Chlorodifluoromethane	2.97	51	401924	2.169 ppbv	99
4) Chloromethane	3.12	50	192702	2.104 ppbv	91
5) Vinyl Chloride	3.24	62	174695	2.016 ppbv	97
6) Bromomethane	3.46	94	106488	2.198 ppbv	93
7) Chloroethane	3.54	64	61380	2.057 ppbv	94
8) Dichlorotetrafluoroethane	3.17	85	445791	2.275 ppbv	99
9) Propene	2.99	41	180654	2.048 ppbv	98
10) Heptane	8.10	43	476211	2.174 ppbv	97
11) Trichlorofluoromethane	3.93	101	474359	2.307 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	277376	2.225 ppbv	94
13) Ethanol	3.59	45	28874m	2.084 ppbv	
14) Bromoethene	3.72	108	121989	2.149 ppbv	99
15) Acetone	3.84	43	409993	2.219 ppbv	# 89
16) 1,3-Butadiene	3.31	39	213865m	2.376 ppbv	
17) tert-Butyl alcohol	4.27	59	301684m	1.979 ppbv	
18) 1,1-Dichloroethene	4.27	96	135141m	2.339 ppbv	
19) Isopropyl Alcohol	3.95	45	221739m	1.991 ppbv	
20) Methylene Chloride	4.32	84	129275m	2.192 ppbv	
21) Allyl Chloride	4.39	41	224101m	2.228 ppbv	
22) trans-1,2-Dichloroethene	4.86	96	109228	2.046 ppbv	93
23) Vinyl Acetate	5.05	43	446083	1.993 ppbv	97
24) 1,1-Dichloroethane	4.99	63	330502	2.038 ppbv	97
25) Ethyl Acetate	5.66	43	794369	2.142 ppbv	99
26) Hexane	5.66	57	332056	2.150 ppbv	98
27) Carbon Disulfide	4.53	76	279601	2.264 ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	413157	1.978 ppbv	99
29) Chloroform	5.73	83	507670	2.296 ppbv	100
30) Cyclohexane	7.10	84	274356m	2.325 ppbv	
31) cis-1,2-Dichloroethene	5.52	61	314321	2.129 ppbv	94
32) 1,1,1-Trichloroethane	6.49	97	492886	2.305 ppbv	99
34) 2-Butanone	5.22	43	515818m	2.033 ppbv	
35) Carbon Tetrachloride	6.99	117	475432	2.184 ppbv	99
36) Benzene	6.86	78	652878	2.068 ppbv	95
37) 1,2-Dichloroethane	6.28	62	401430	2.113 ppbv	100
38) Trichloroethene	7.81	130	234225m	2.003 ppbv	
39) 1,2-Dichloropropane	7.59	63	265864	2.074 ppbv	98
40) 1,4-Dioxane	7.82	88	89373m	1.928 ppbv	
41) Tetrahydrofuran	6.03	42	296941m	2.025 ppbv	
42) Bromodichloromethane	7.76	83	536495	2.247 ppbv	98
43) Methyl Methacrylate	7.99	69	273434	2.038 ppbv	99

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 ClientSampleId :
 VSTDIC002

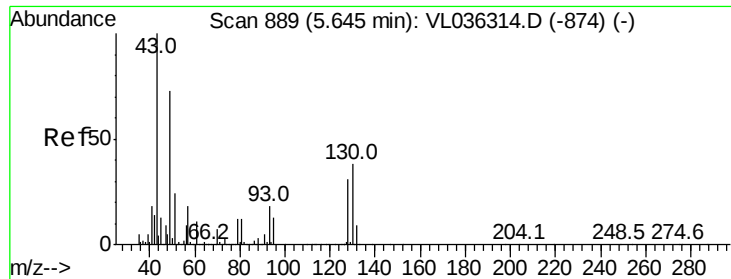
Manual Integrations
 APPROVED

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 2/12/2021 1:41:52 PM

Quant Time: Feb 10 14:02:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	1210783	2.088	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	253376	1.989	ppbv	94
46) cis-1,3-Dichloropropene	8.68	75	329199	2.011	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	262173	2.138	ppbv	93
48) Dibromochloromethane	10.28	129	398269	2.220	ppbv	96
49) Bromoform	13.01	173	324235	2.165	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	768353	2.031	ppbv	99
51) 2-Hexanone	10.12	43	583855	1.956	ppbv	99
52) Tetrachloroethene	11.20	164	223905m	1.925	ppbv	
53) Toluene	9.78	91	720431	2.040	ppbv	99
54) 1,2-Dibromoethane	10.58	107	387137m	2.130	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.10	131	331660	2.242	ppbv #	1
57) Chlorobenzene	12.12	112	543789	2.091	ppbv	97
58) Ethyl Benzene	12.69	91	1009259	2.052	ppbv	99
59) m/p-Xylene	12.97	91	1770973m	4.190	ppbv	
60) o-Xylene	13.67	91	848603	2.083	ppbv	97
61) Styrene	13.50	104	519460	2.019	ppbv	100
62) Isopropylbenzene	14.65	105	1262286	2.084	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.65	83	616008	2.031	ppbv	97
64) n-propylbenzene	15.54	120	306796	2.061	ppbv	82
65) tert-Butylbenzene	16.72	119	1102152	2.147	ppbv	97
66) Benzyl Chloride	16.97	91	262977	2.005	ppbv	99
67) sec-Butylbenzene	17.27	105	1598980	2.099	ppbv	98
69) p-Isopropyltoluene	17.63	119	1249385	2.068	ppbv	99
70) n-Butylbenzene	18.53	91	1339750	2.081	ppbv	100
71) 2-Chlorotoluene	15.43	91	981296	2.061	ppbv	99
72) 4-Ethyltoluene	15.82	105	945908	2.057	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	909022	2.074	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	952916	2.120	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	497299	2.063	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	517800m	2.174	ppbv	
77) 1,2-Dichlorobenzene	17.79	146	506030m	2.149	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	420945	2.235	ppbv	99
79) Naphthalene	22.17	128	583318m	2.220	ppbv	
80) Naphthalene, 2-methyl-	24.97	142	90574m	1.615	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	340645m	2.220	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1508575

Ion Ratio Lower Upper

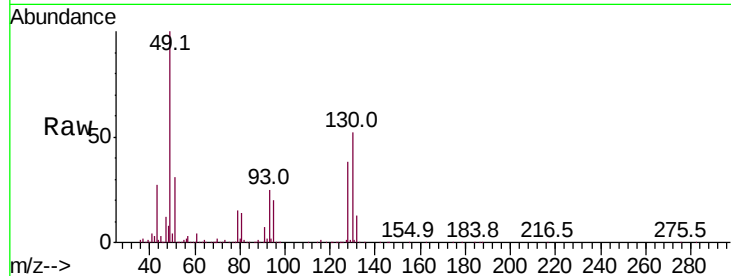
49 100

128 42.5 20.8 62.5

130 54.5 26.7 80.1

Manual Integrations
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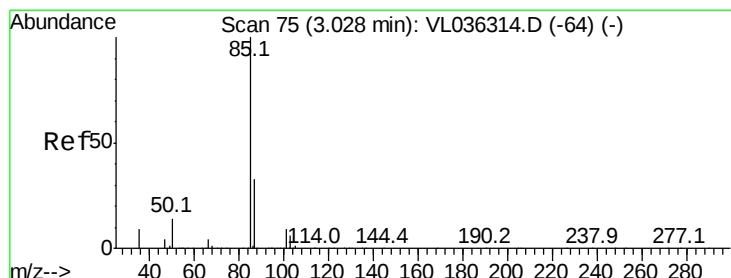
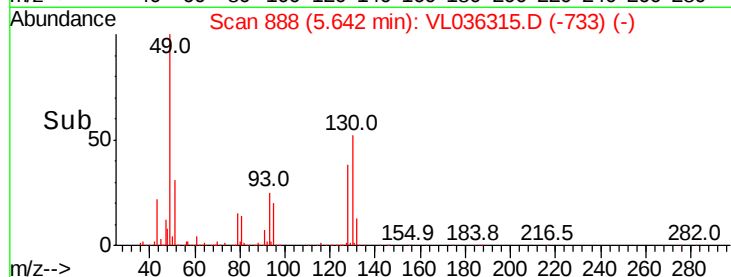
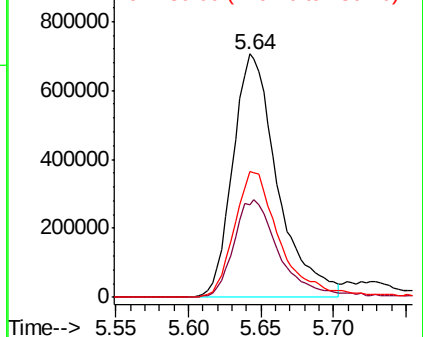
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 2.100 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL036315.D

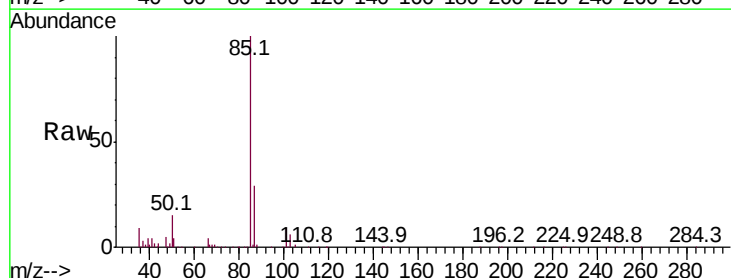
Acq: 10 Feb 2021 12:04

Tgt Ion: 85 Resp: 424689

Ion Ratio Lower Upper

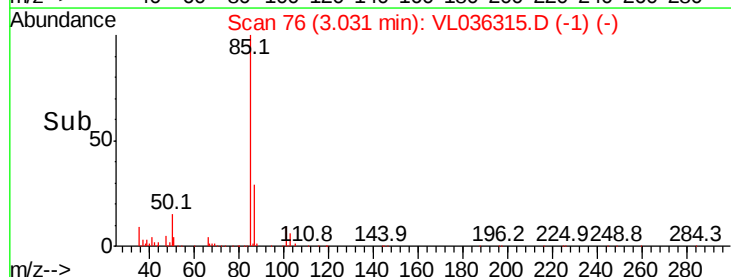
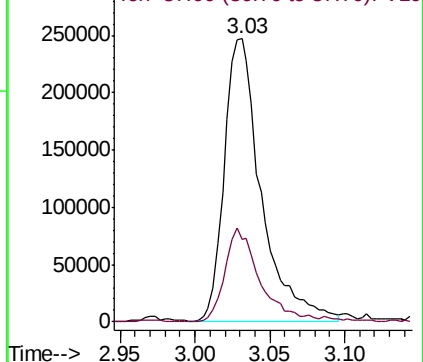
85 100

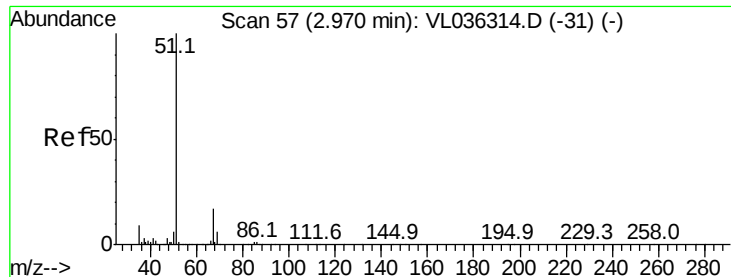
87 29.1 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

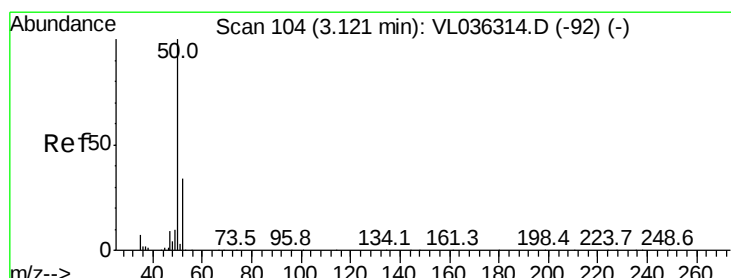
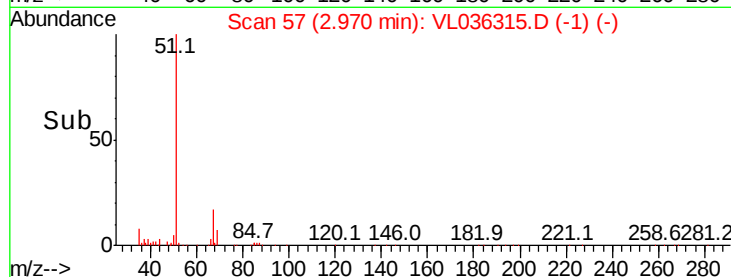
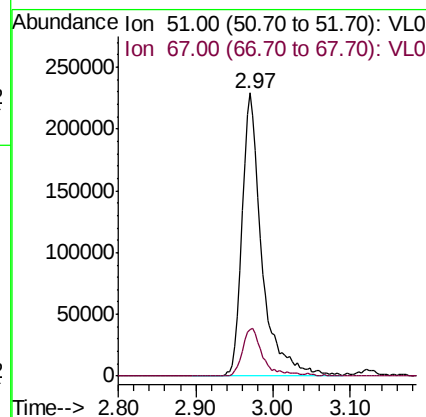
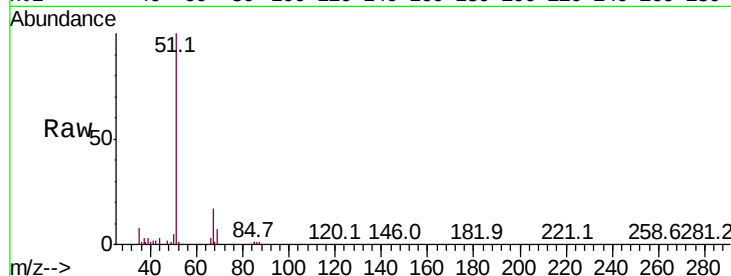
Chlorodifluoromethane
 Concen: 2.169 ppbv
 RT: 2.97 min Scan# 57
 Delta R.T. 0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Instrument :
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 VSTDIC002

Tot Ion	Ratio	Lower	Upper
51	100		
67	18.0	14.7	22.1

Manual Integrations
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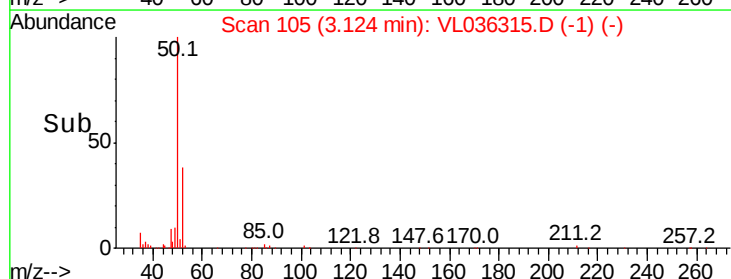
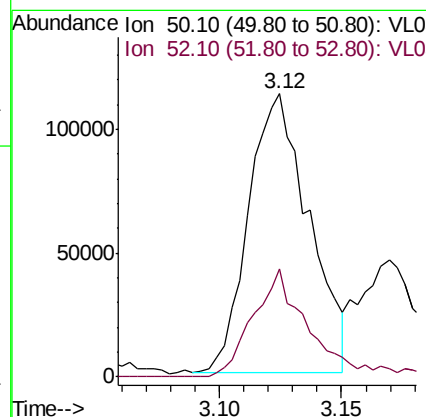
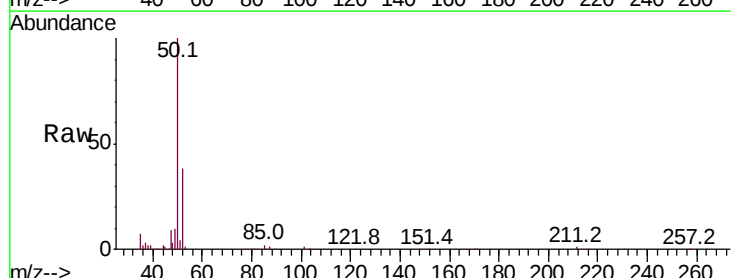
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 2/12/2021 1:41:52 PM

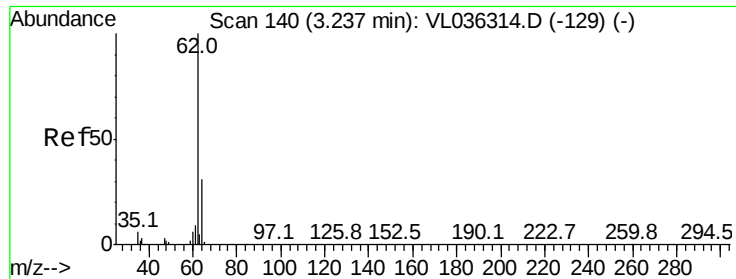


#4

Chloromethane
 Concen: 2.104 ppbv
 RT: 3.12 min Scan# 105
 Delta R.T. 0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Lower	Upper
50	100		
52	38.7	27.0	40.4





#5

Vinyl Chloride

Concen: 2.016 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 174695

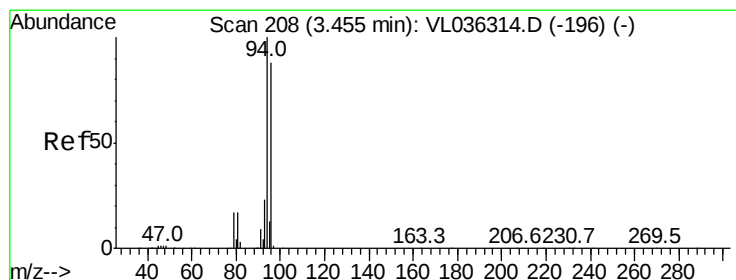
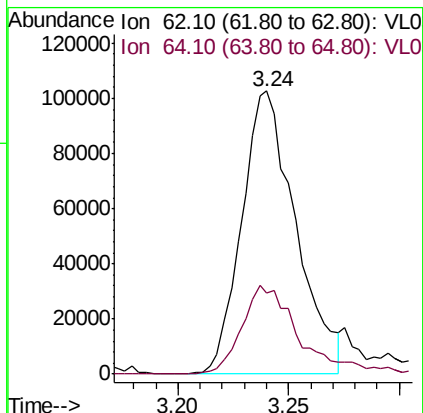
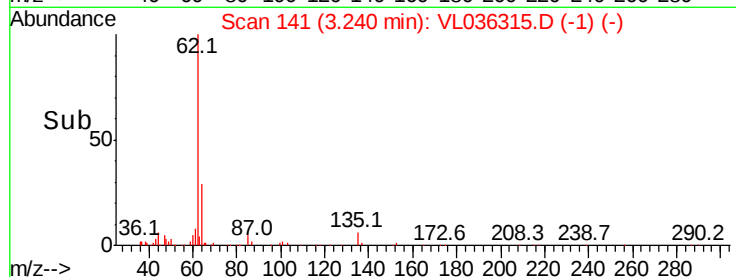
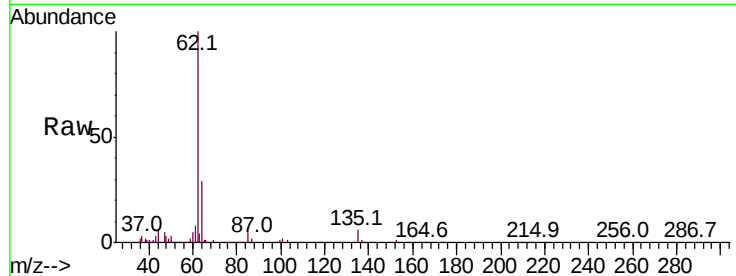
Ion Ratio Lower Upper

62 100

64 28.8 24.4 36.6

Manual Integrations
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2/12/2021 1:41:52 PM



#6

Bromomethane

Concen: 2.198 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036315.D

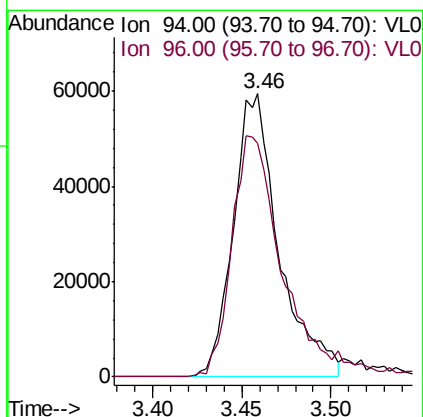
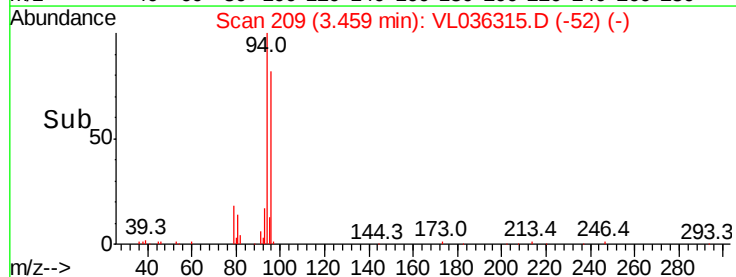
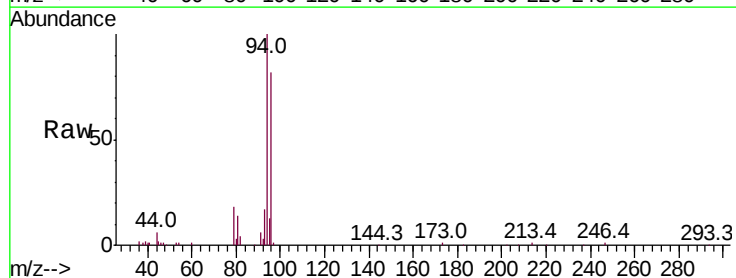
Acq: 10 Feb 2021 12:04

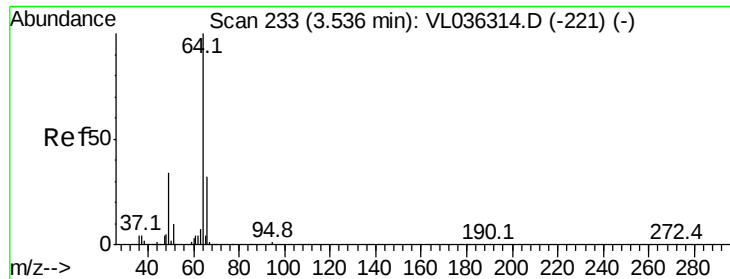
Tgt Ion: 94 Resp: 106488

Ion Ratio Lower Upper

94 100

96 82.0 70.8 106.2





#7

Chloroethane

Concen: 2.057 ppbv

RT: 3.54 min Scan# 234

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 61380

Ion Ratio Lower Upper

64 100

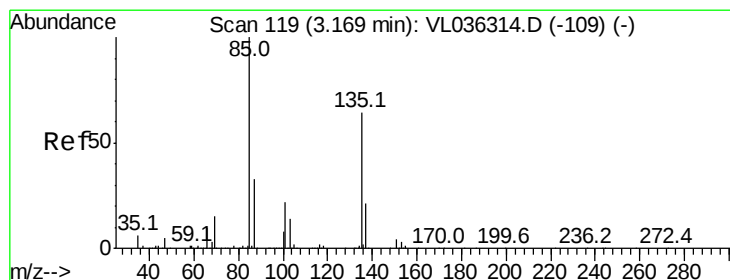
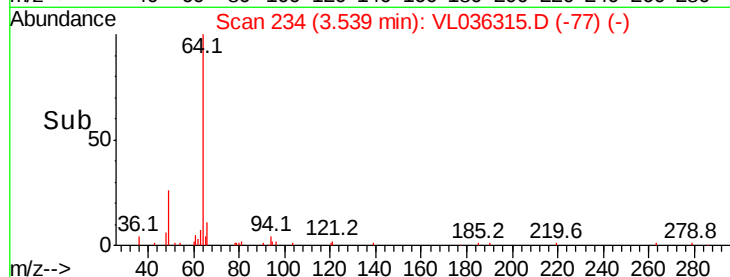
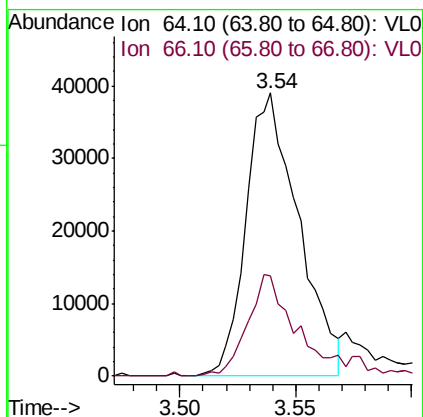
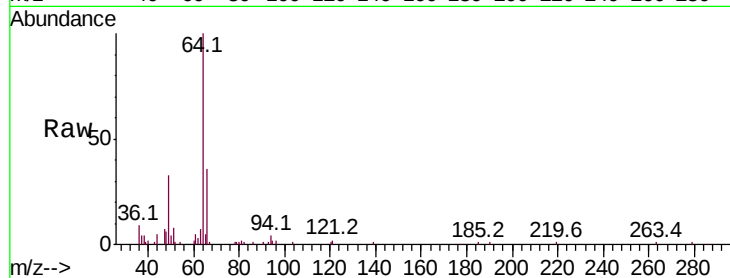
66 35.5 25.6 38.4

Manual Integrations

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2/12/2021 1:41:52 PM



#8

Dichlorotetrafluoroethane

Concen: 2.275 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.00 min

Lab File: VL036315.D

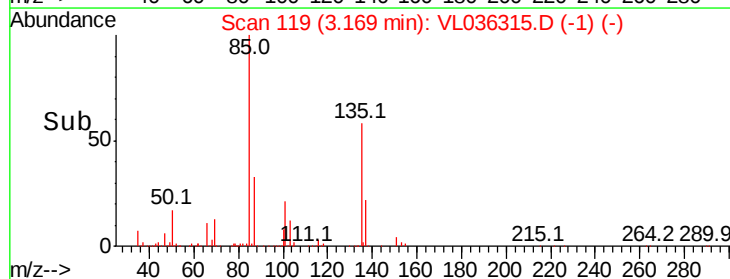
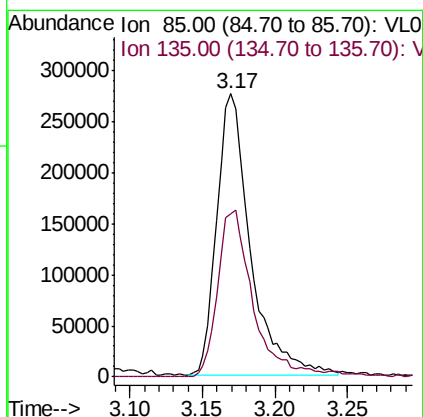
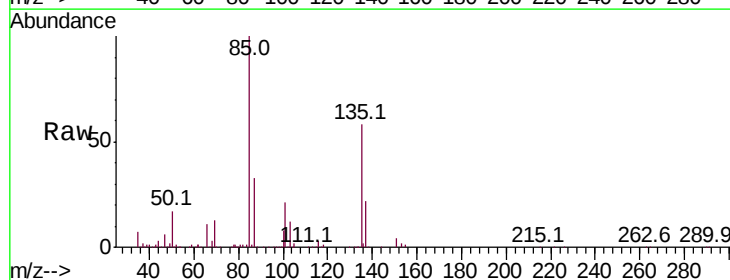
Acq: 10 Feb 2021 12:04

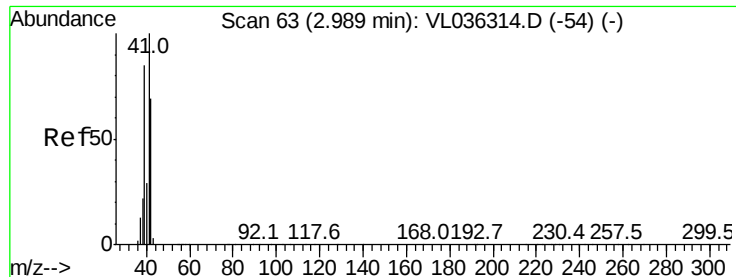
Tgt Ion: 85 Resp: 445791

Ion Ratio Lower Upper

85 100

135 63.4 51.1 76.7





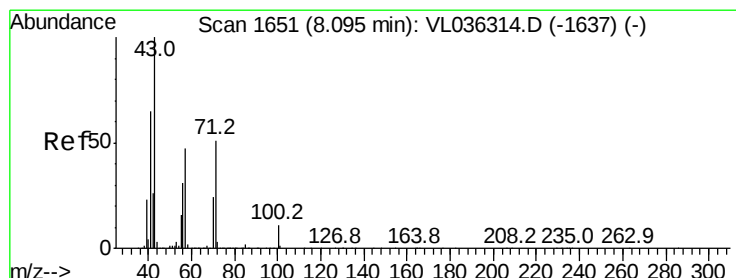
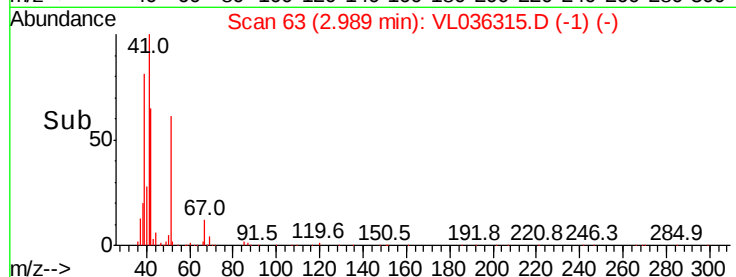
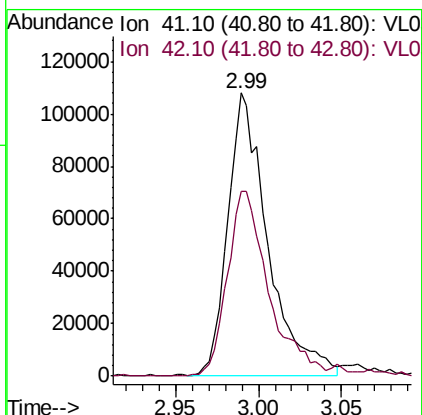
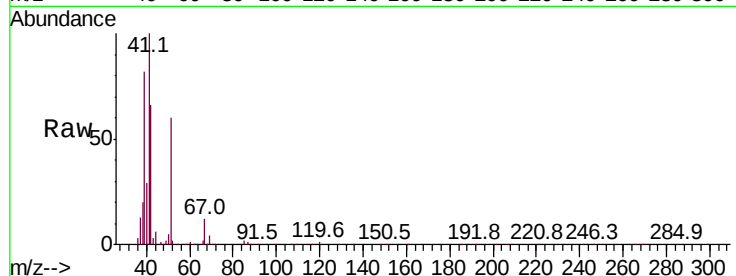
#9
Propene
Concen: 2.048 ppbv
RT: 2.99 min Scan# 63
Delta R.T. 0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 41 Resp: 180654
Ion Ratio Lower Upper
41 100
42 71.7 56.2 84.2

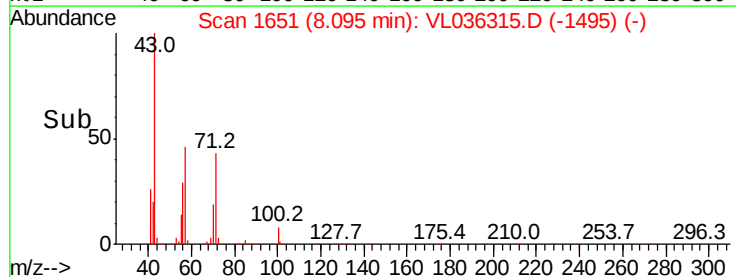
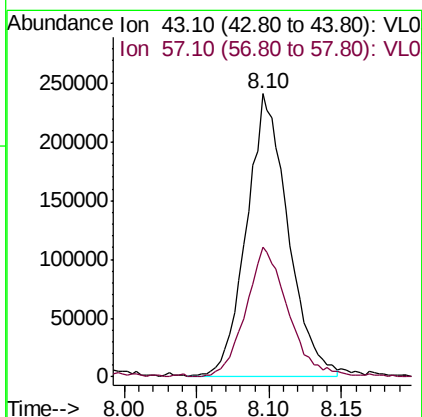
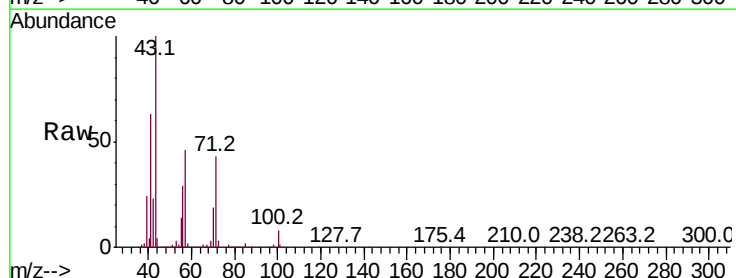
Manual Integrations
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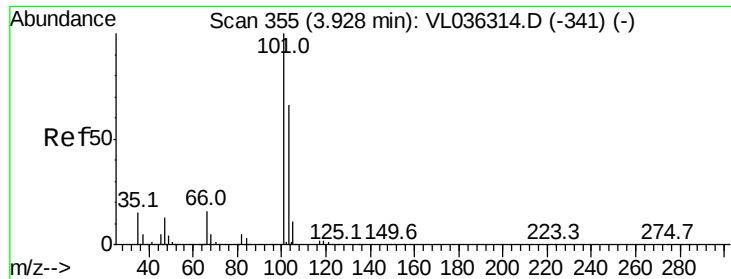
MMDadoda
2/12/2021 1:41:52 PM



#10
Heptane
Concen: 2.174 ppbv
RT: 8.10 min Scan# 1651
Delta R.T. 0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion: 43 Resp: 476211
Ion Ratio Lower Upper
43 100
57 47.4 39.4 59.2





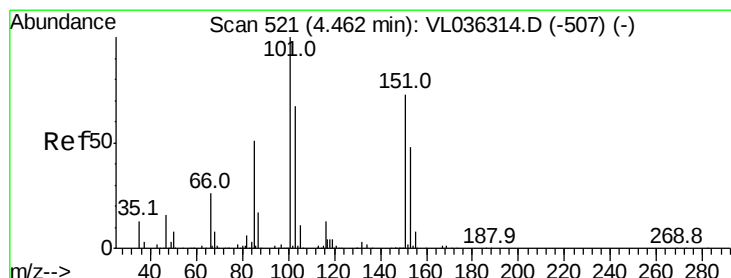
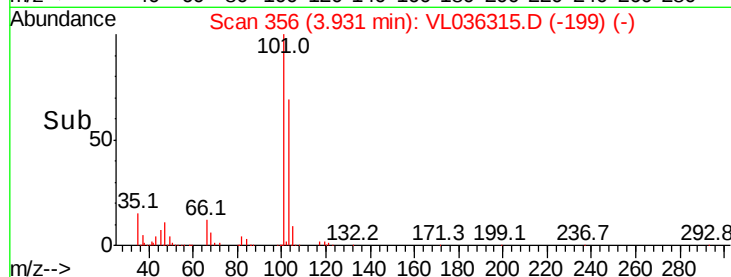
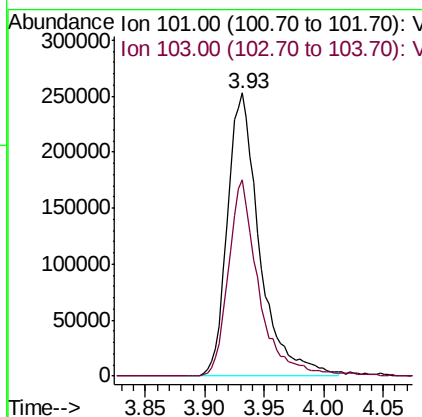
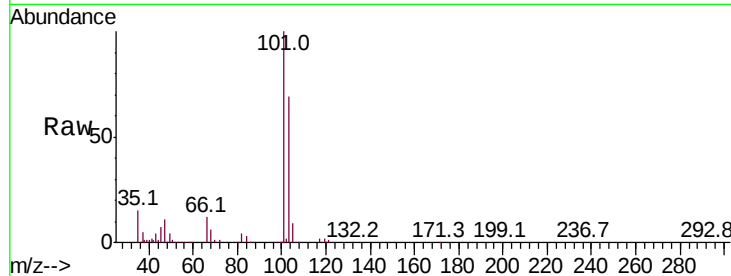
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 Trichlorofluoromethane
 Concen: 2.307 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. 0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.2	52.9	79.3

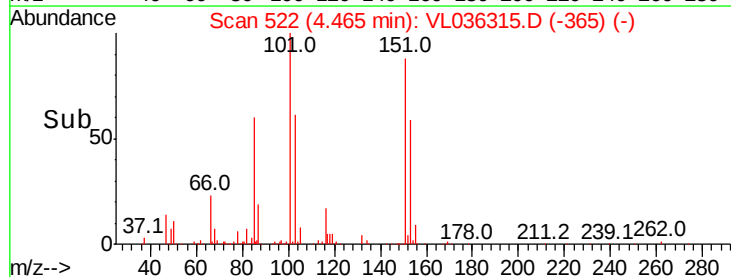
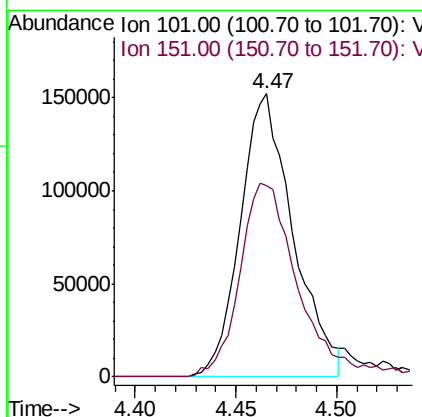
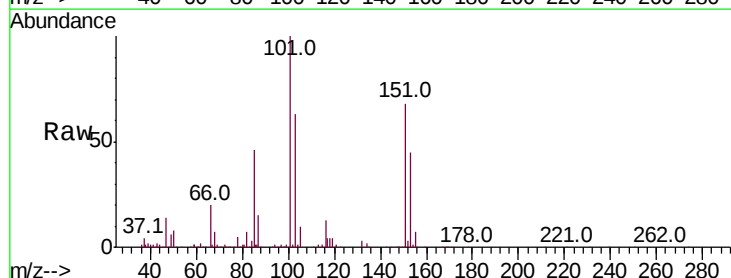
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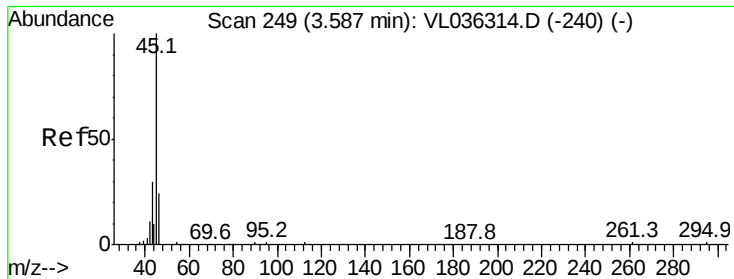
MMDadoda
 2/12/2021 1:41:52 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.225 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Lower	Upper
101	100		
151	77.5	58.2	87.4





#13

Ethanol

Concen: 2.084 ppbv m

RT: 3.59 min Scan# 249

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 28874

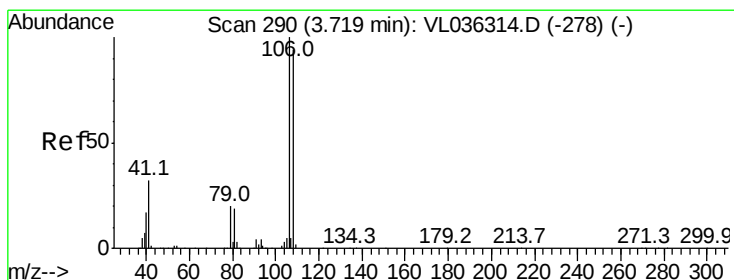
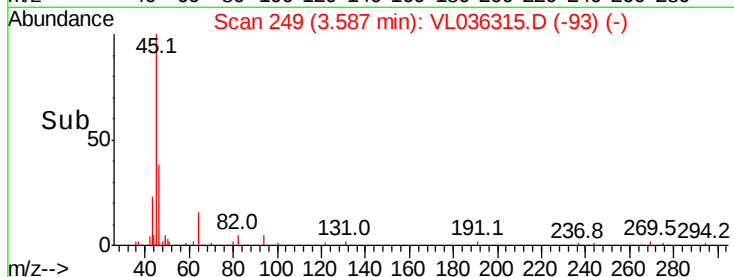
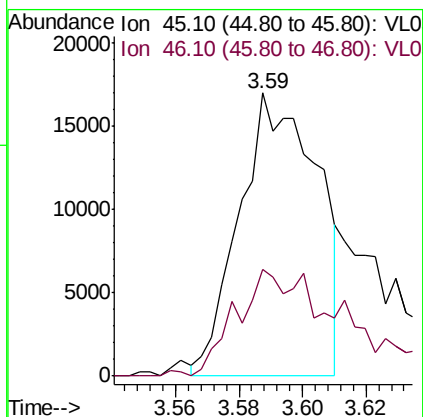
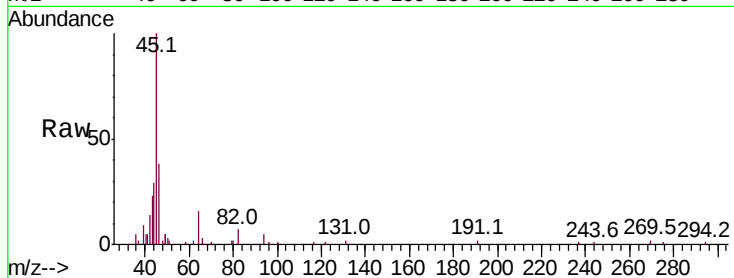
Ion Ratio Lower Upper

45 100

46 54.9 17.7 70.7

Manual Integrations
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#14

Bromoethene

Concen: 2.149 ppbv

RT: 3.72 min Scan# 290

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

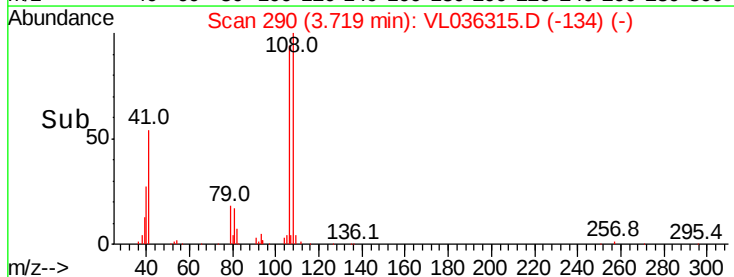
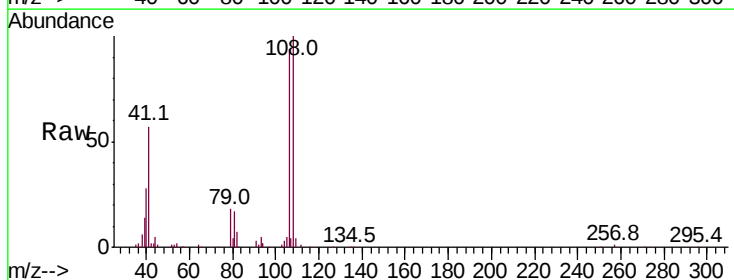
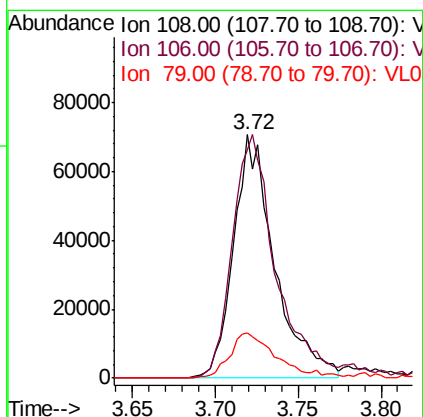
Tgt Ion: 108 Resp: 121989

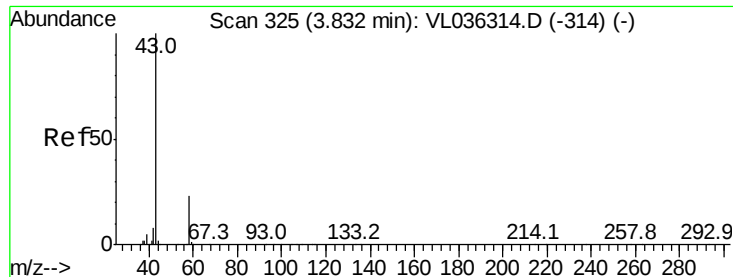
Ion Ratio Lower Upper

108 100

106 110.6 89.8 134.8

79 21.5 17.1 25.7





#15

Acetone

Concen: 2.219 ppbv

RT: 3.84 min Scan# 326

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 409993

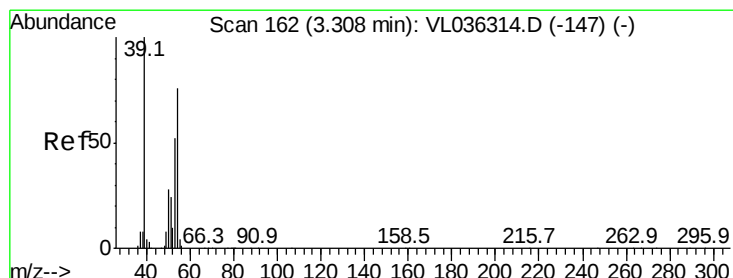
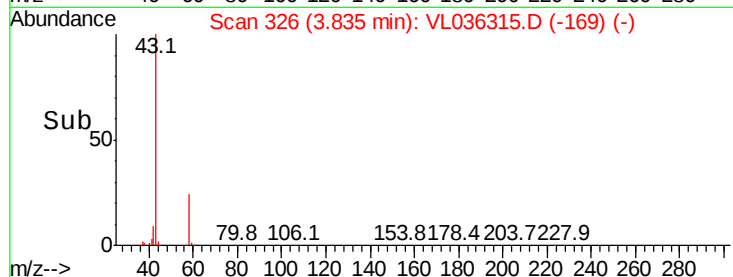
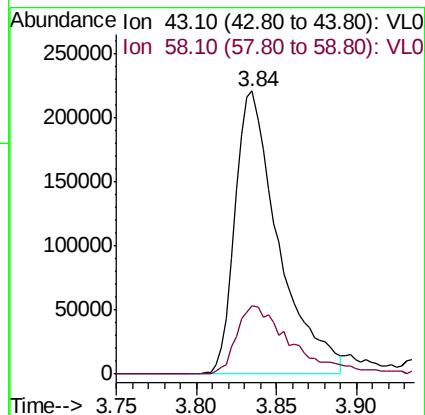
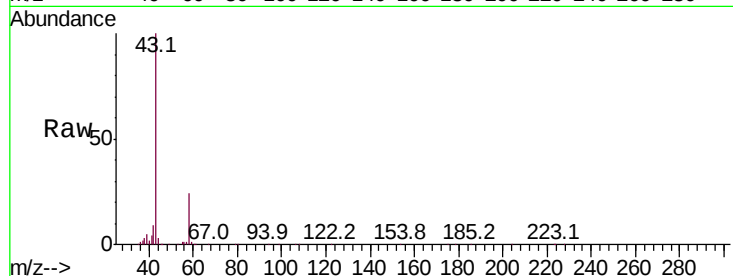
Ion Ratio Lower Upper

43 100

58 30.8 20.3 30.5#

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#16

1,3-Butadiene

Concen: 2.376 ppbv m

RT: 3.31 min Scan# 163

Delta R.T. 0.00 min

Lab File: VL036315.D

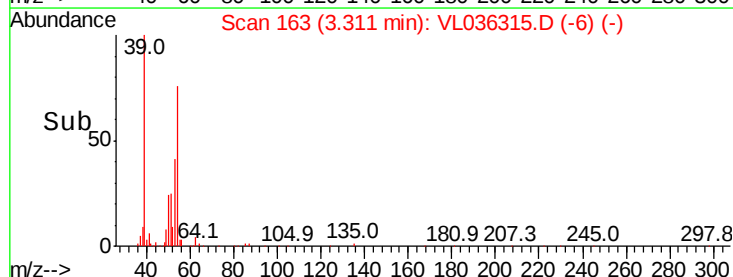
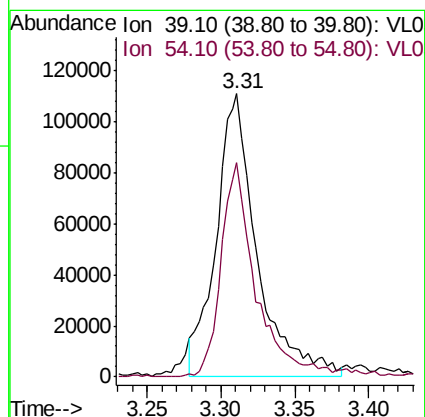
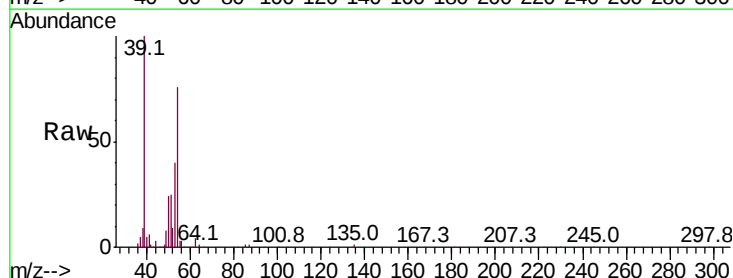
Acq: 10 Feb 2021 12:04

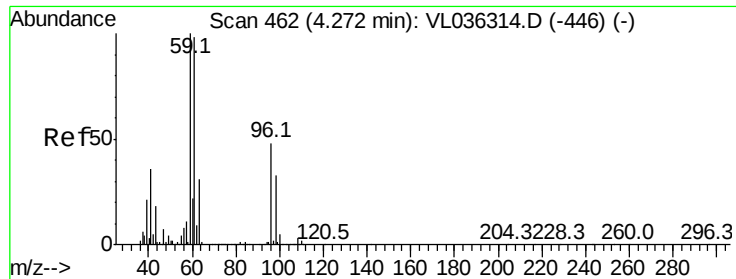
Tgt Ion: 39 Resp: 213865

Ion Ratio Lower Upper

39 100

54 66.2 64.4 96.6





#17

tert-Butyl alcohol

Concen: 1.979 ppbv m

RT: 4.27 min Scan# 462

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 59 Resp: 301684

Ion Ratio Lower Upper

59 100

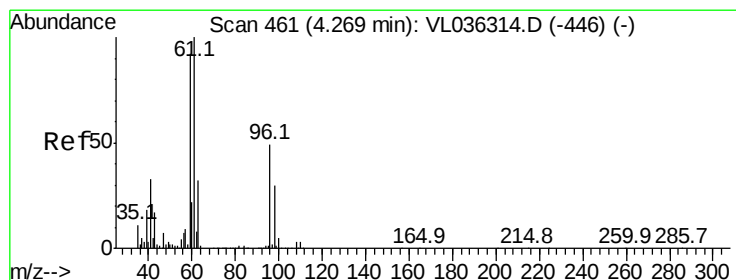
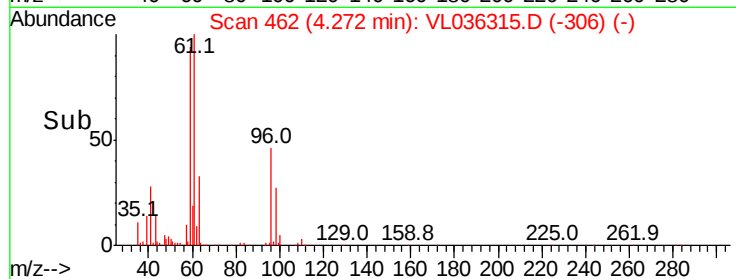
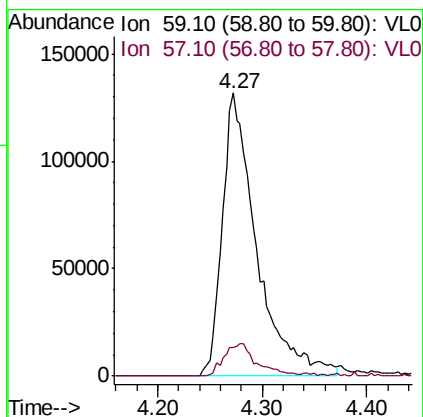
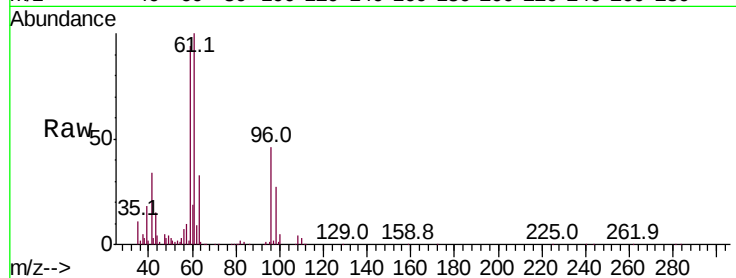
57 11.4 9.0 13.4

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2/12/2021 1:41:52 PM



#18

1,1-Dichloroethene

Concen: 2.339 ppbv m

RT: 4.27 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

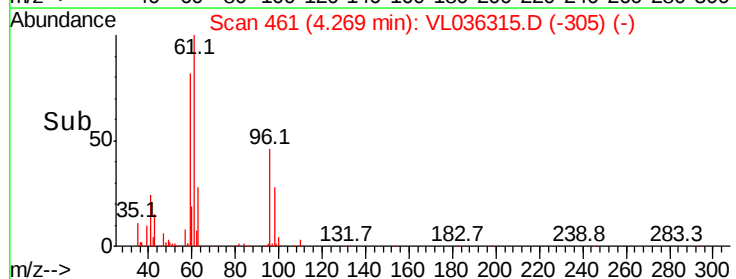
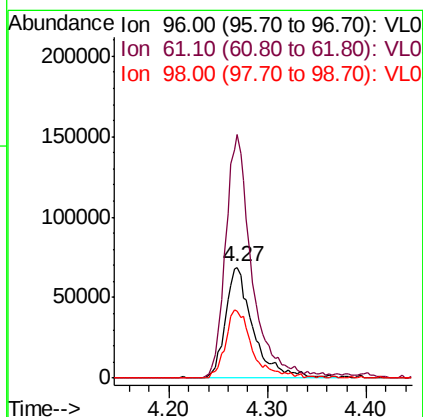
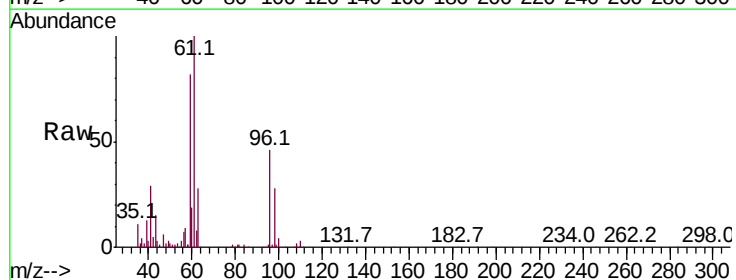
Tgt Ion: 96 Resp: 135141

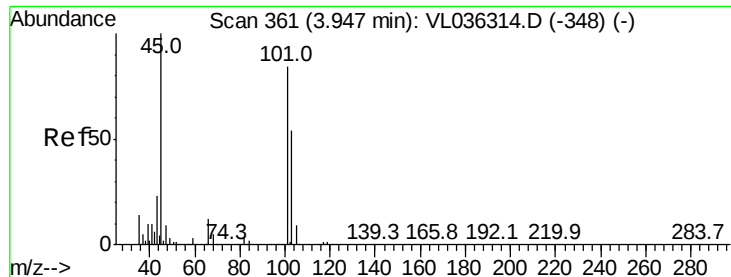
Ion Ratio Lower Upper

96 100

61 219.7 162.5 243.7

98 60.8 48.5 72.7





#19

Isopropyl Alcohol

Concen: 1.991 ppbv m

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 221739

Ion Ratio Lower Upper

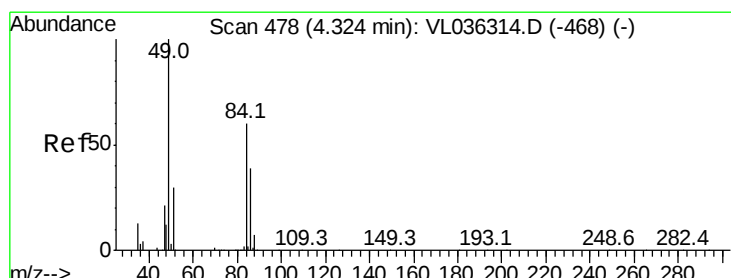
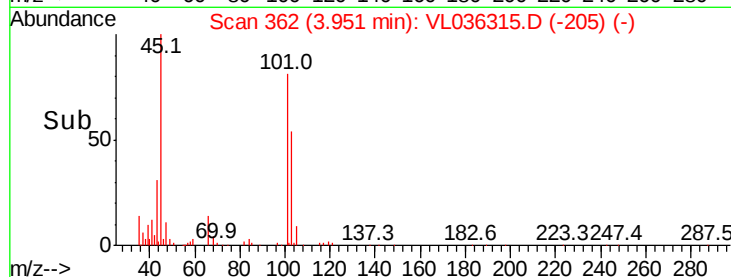
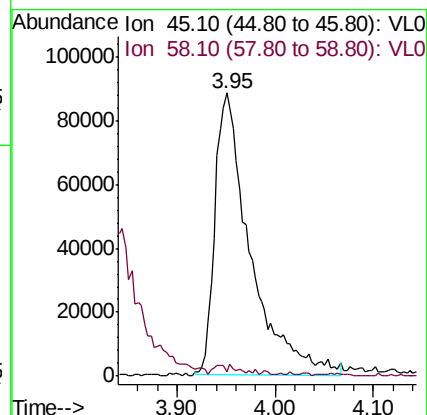
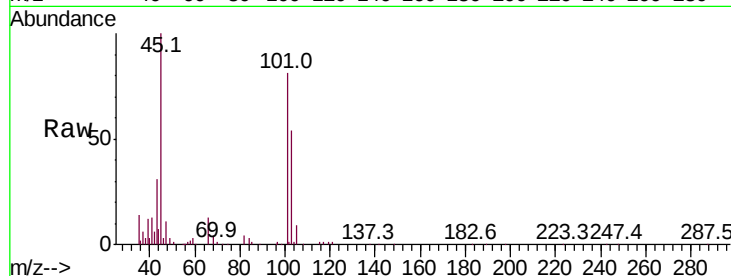
45 100

58 2.4 1.9 2.9

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2/12/2021 1:41:52 PM



#20

Methylene Chloride

Concen: 2.192 ppbv m

RT: 4.32 min Scan# 478

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Tgt Ion: 84 Resp: 129275

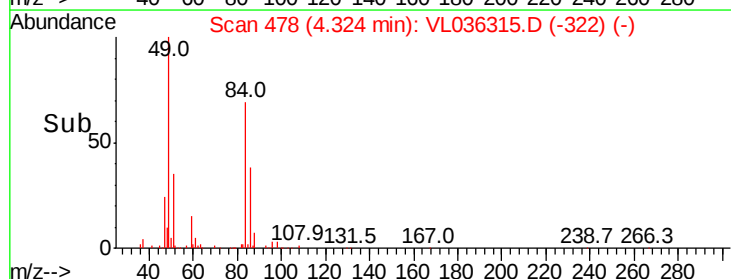
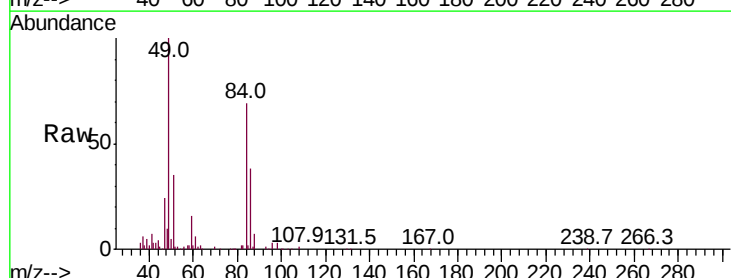
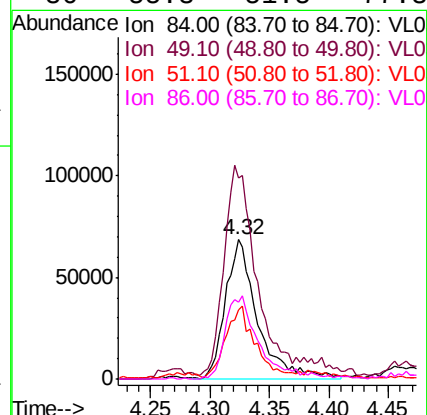
Ion Ratio Lower Upper

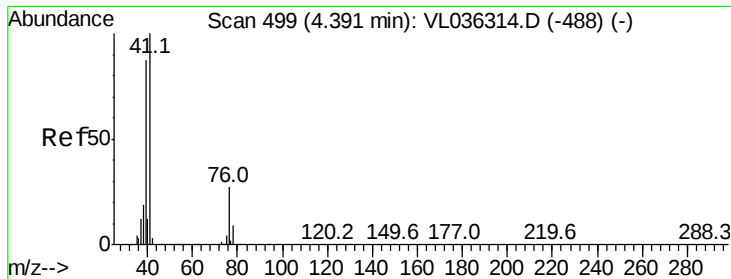
84 100

49 144.3 133.8 200.8

51 50.0 41.4 62.0

86 55.3 51.5 77.3





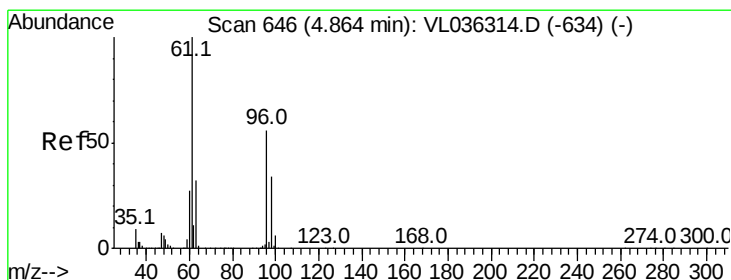
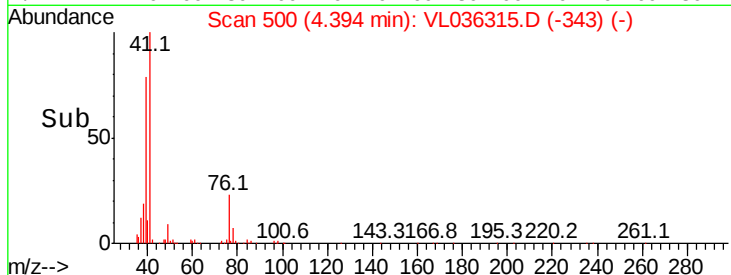
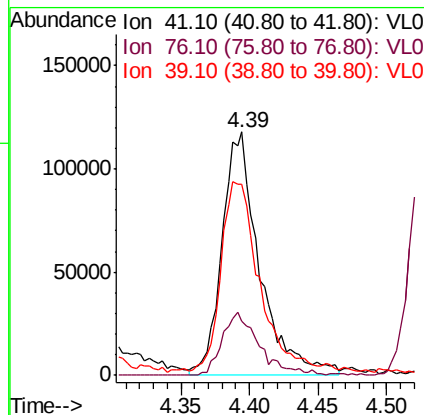
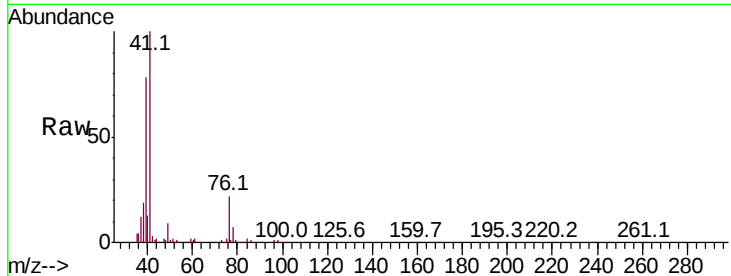
#21
Allvl Chloride
Concen: 2.228 ppbv m
RT: 4.39 min Scan# 500
Delta R.T. 0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
41	100	224101		
76	25.9	22.0	33.0	
39	83.3	70.2	105.2	

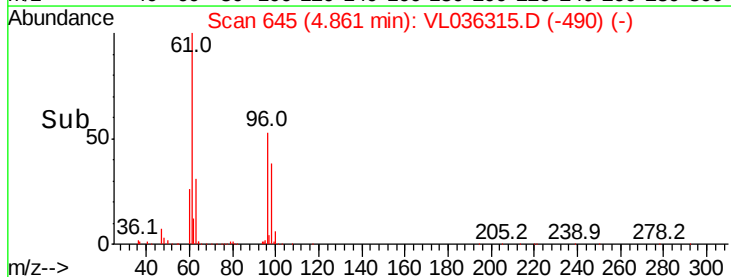
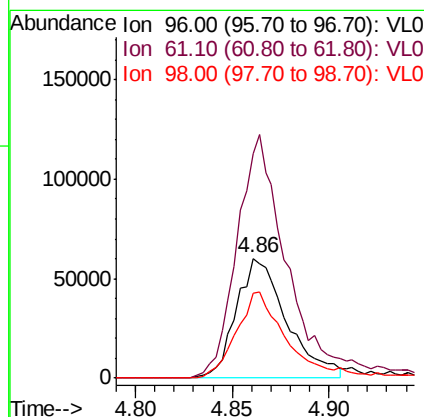
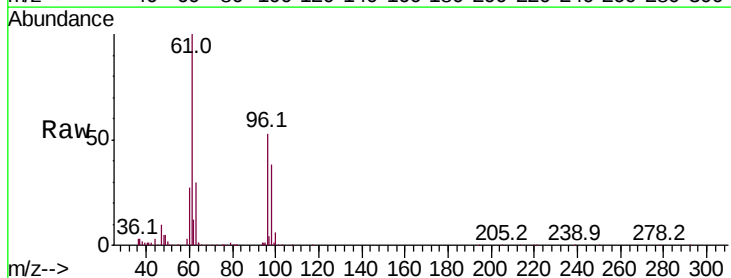
Manual Integrations
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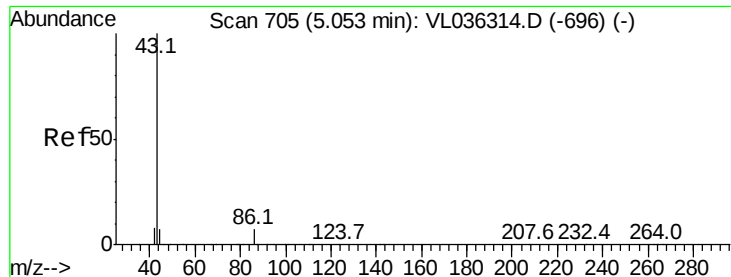
MMDadoda
2/12/2021 1:41:52 PM



#22
trans-1,2-Dichloroethene
Concen: 2.046 ppbv
RT: 4.86 min Scan# 645
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	109228		
61	186.7	143.7	215.5	
98	70.7	48.5	72.7	





#23

Vinyl Acetate

Concen: 1.993 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.00 min

Lab File: VL036315.D

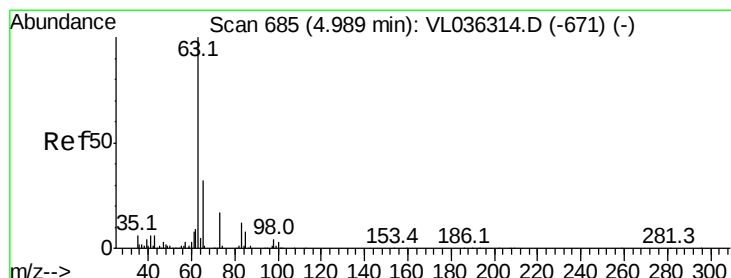
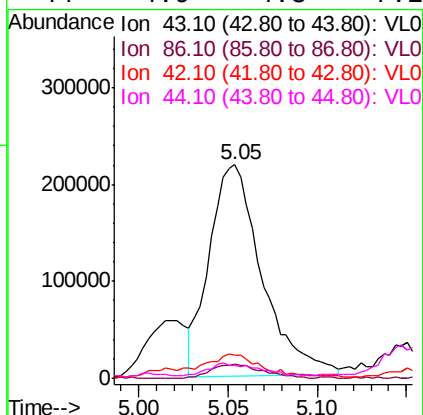
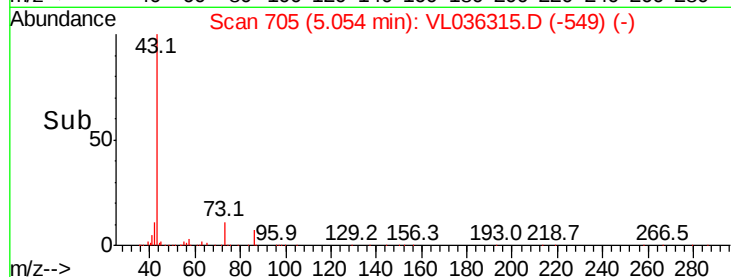
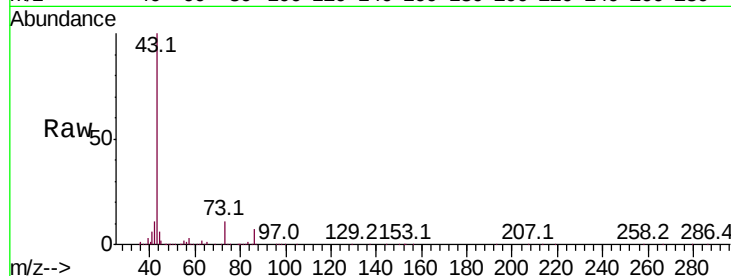
Acq: 10 Feb 2021 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.9	4.8	7.2
42	10.0	7.4	11.0
44	4.9	4.8	7.2

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#24

1,1-Dichloroethane

Concen: 2.038 ppbv

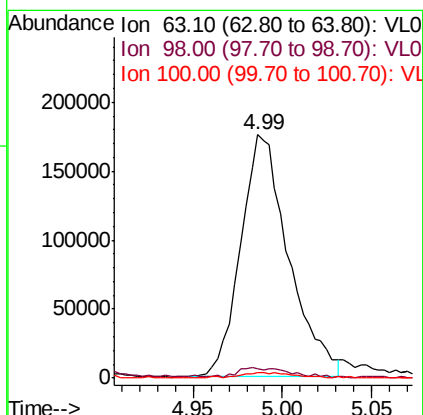
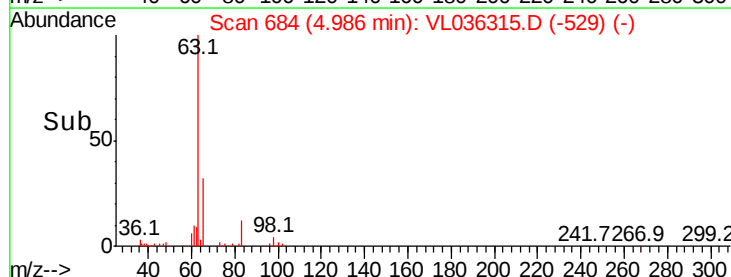
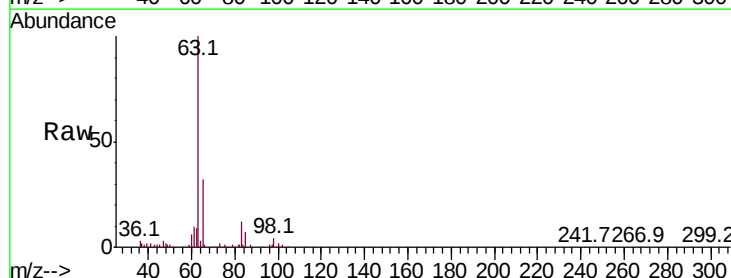
RT: 4.99 min Scan# 684

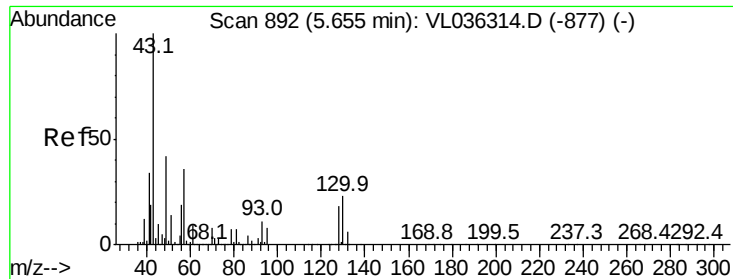
Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Lower	Upper
63	100		
98	2.9	2.0	6.0
100	2.1	1.5	4.4





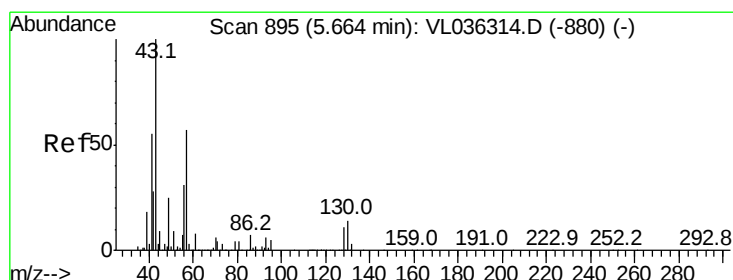
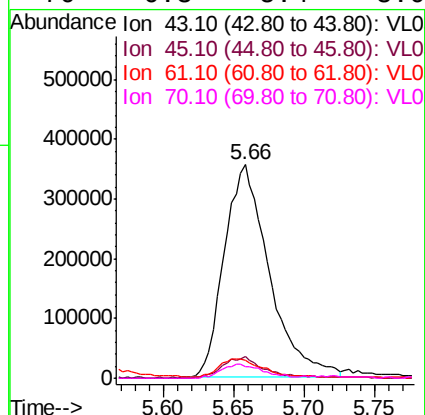
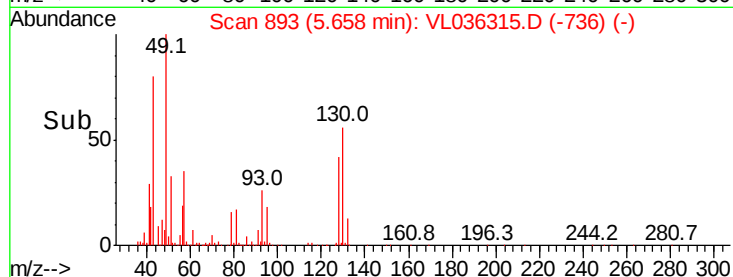
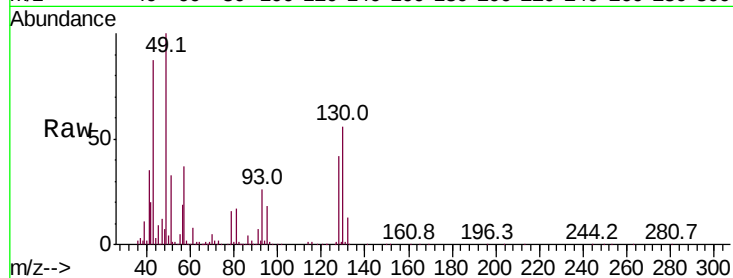
#25
Ethyl Acetate
Concen: 2.142 ppbv
RT: 5.66 min Scan# 893
Delta R.T. 0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.6	8.3	12.5
61	9.4	7.3	10.9
70	6.3	5.4	8.0

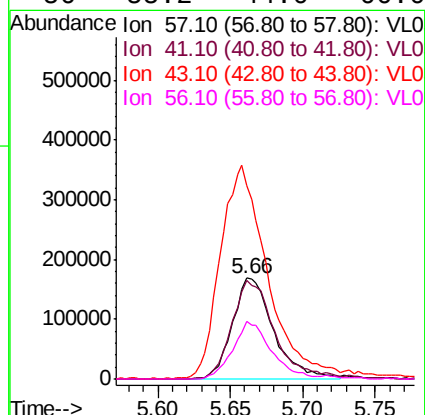
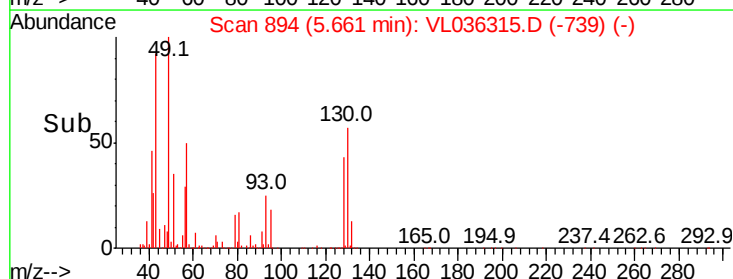
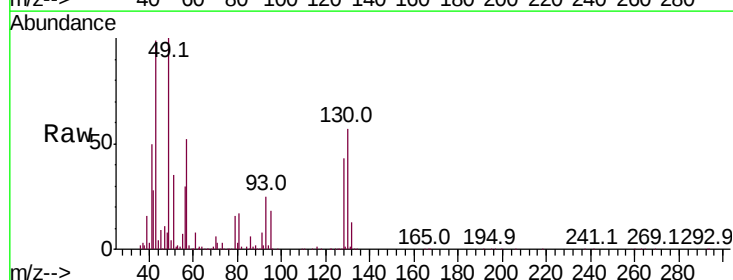
Manual Integrations
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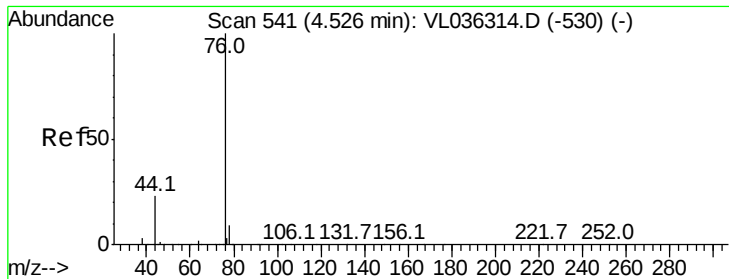
MMDadoda
2/12/2021 1:41:52 PM



#26
Hexane
Concen: 2.150 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Lower	Upper
57	100		
41	104.9	81.7	122.5
43	251.4	199.1	298.7
56	55.2	44.0	66.0





#27

Carbon Disulfide

Concen: 2.264 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.01 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

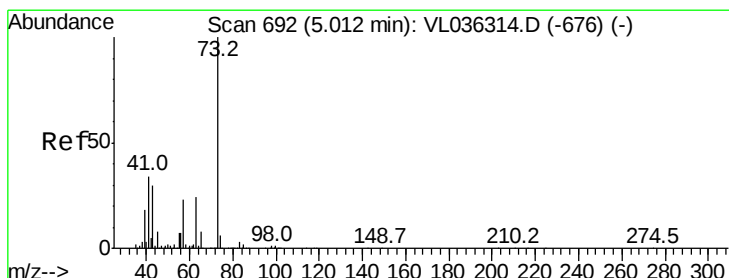
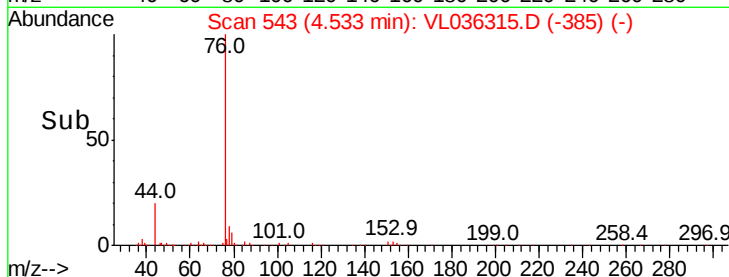
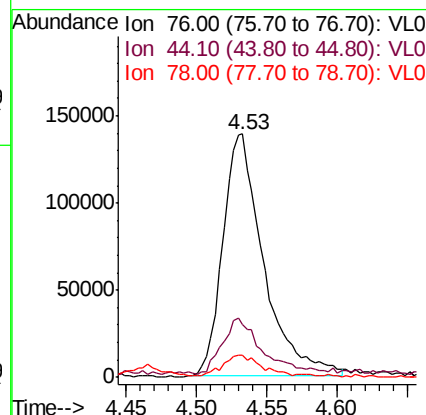
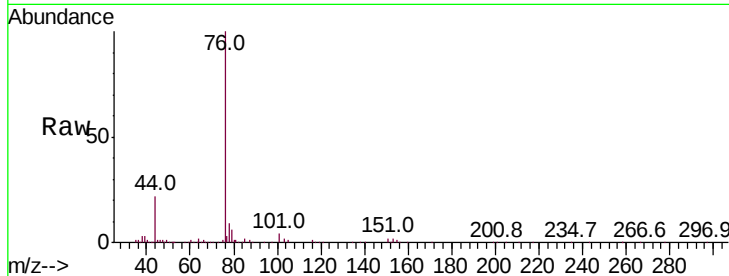
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	279601
Ion Ratio	Lower	Upper	
76	100		
44	23.1	18.4	27.6
78	10.1	8.0	12.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 1.978 ppbv

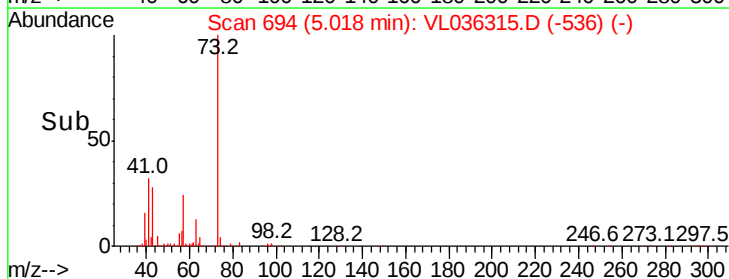
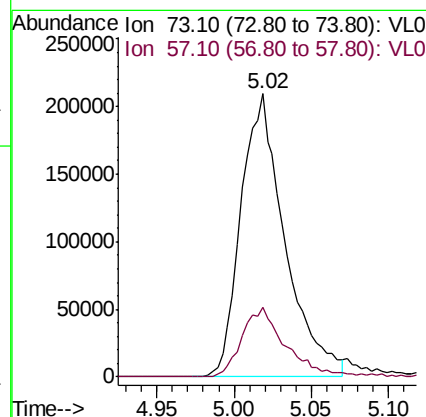
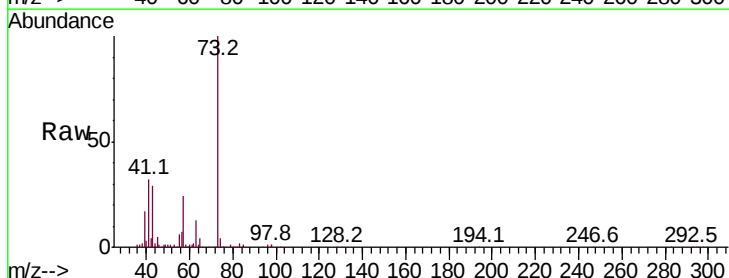
RT: 5.02 min Scan# 694

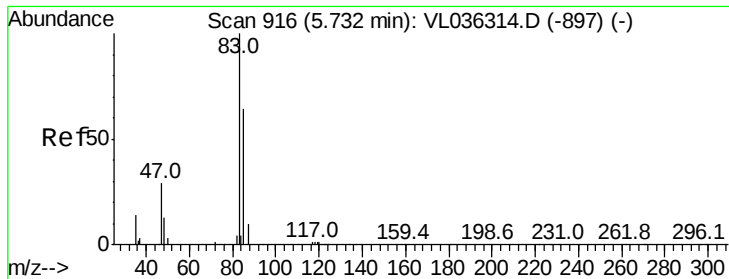
Delta R.T. 0.01 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Tgt Ion:	73	Resp:	413157
Ion Ratio	Lower	Upper	
73	100		
57	24.7	19.2	28.8





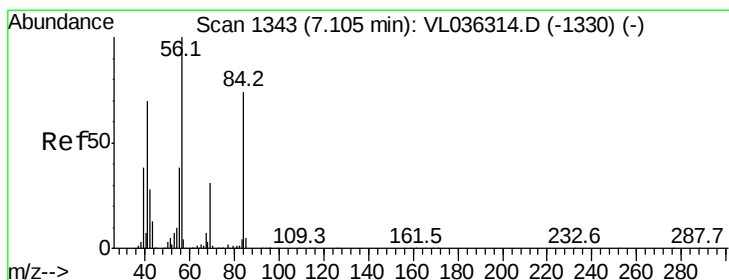
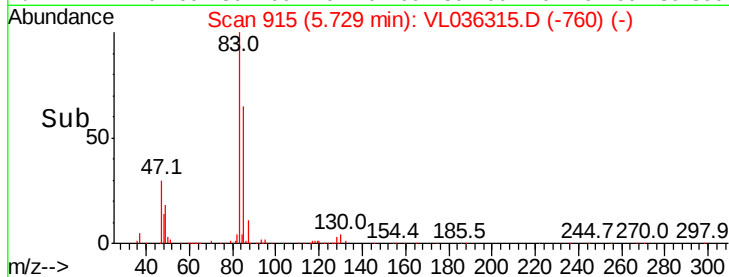
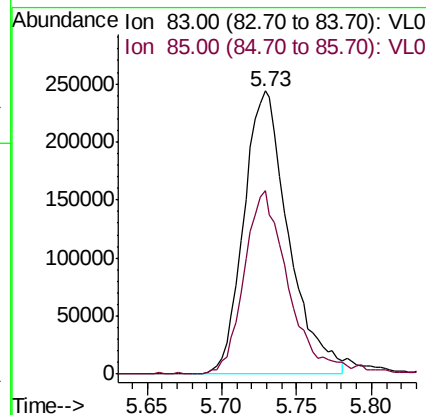
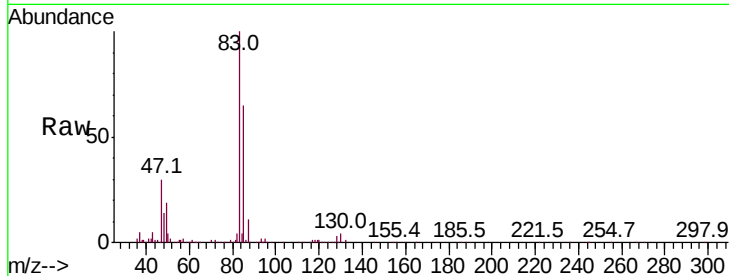
#29
Chloroform
Concen: 2.296 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	507670
Ion Ratio	100	Lower	Upper
85	64.6	51.4	77.2

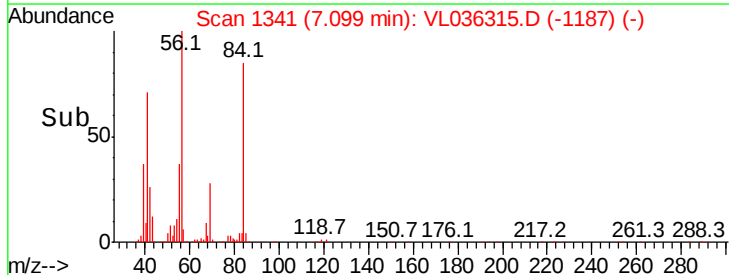
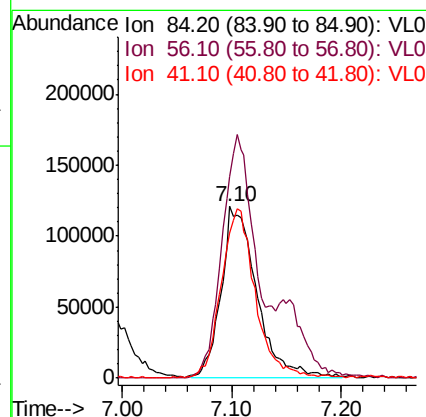
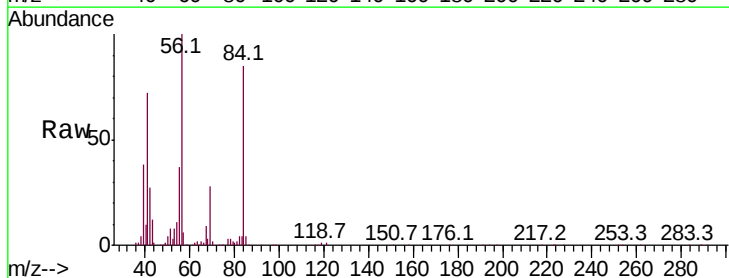
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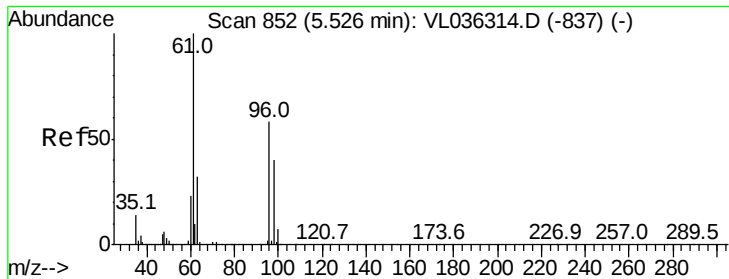
MMDadoda
2/12/2021 1:41:52 PM



#30
Cyclohexane
Concen: 2.325 ppbv m
RT: 7.10 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion	84	Resp	274356
Ion Ratio	100	Lower	Upper
56	0.0	120.2	180.4#
41	0.0	79.7	119.5#





#31

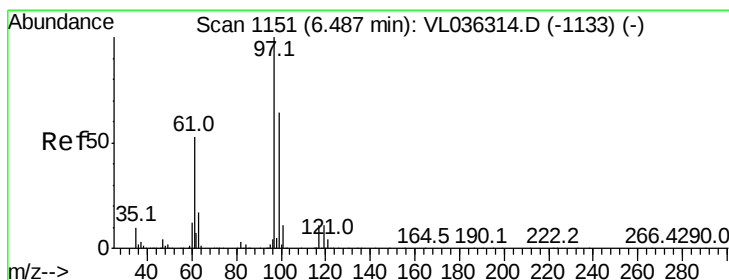
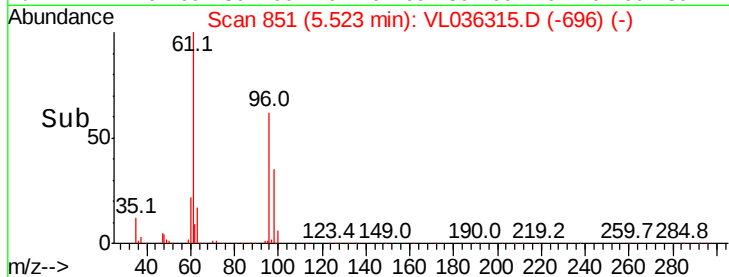
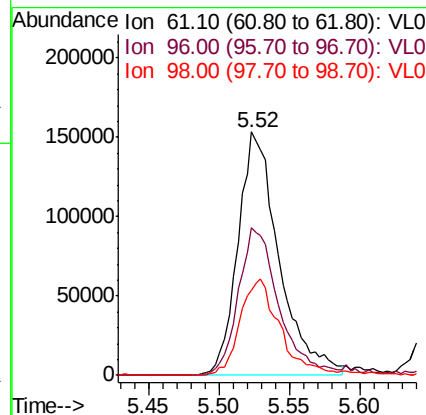
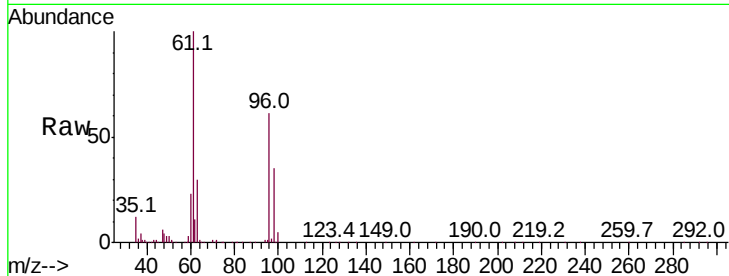
cis-1,2-Dichloroethene
Concen: 2.129 ppbv
RT: 5.52 min Scan# 851
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
61	100		
96	60.7	46.0	69.0
98	34.8	31.9	47.9

Manual Integrations
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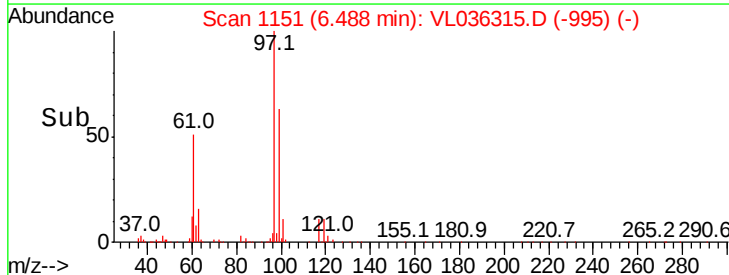
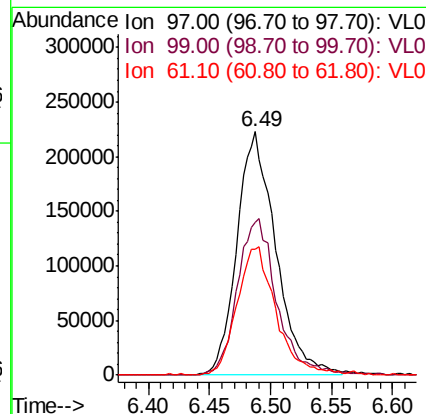
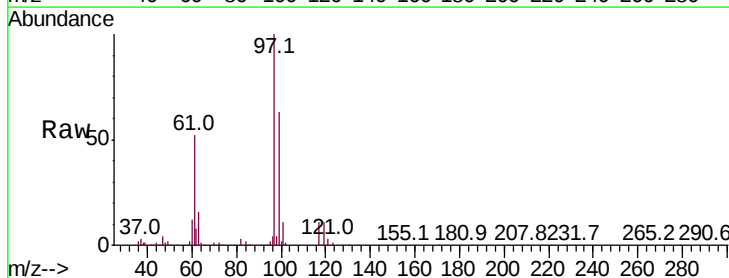
MMDadoda
2/12/2021 1:41:52 PM

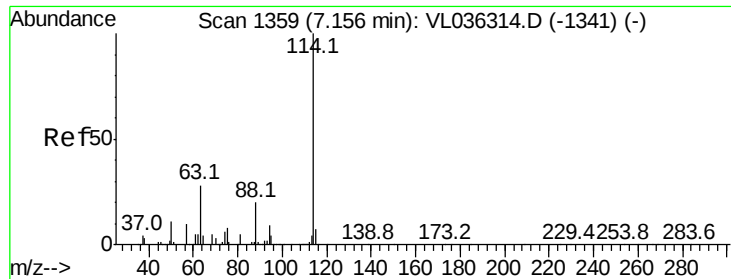


#32

1,1,1-Trichloroethane
Concen: 2.305 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. 0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.4
61	53.0	43.3	64.9





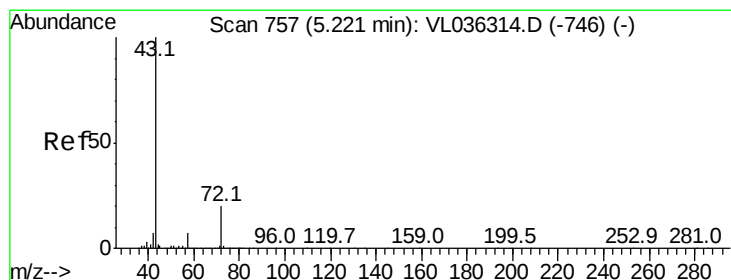
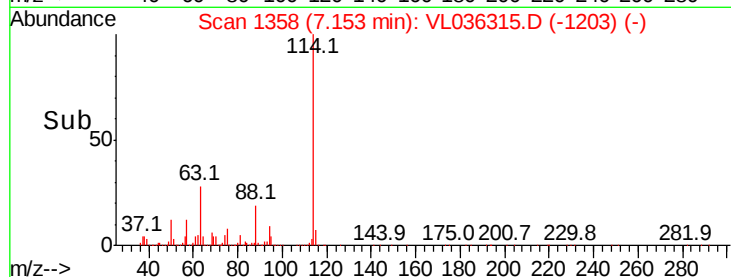
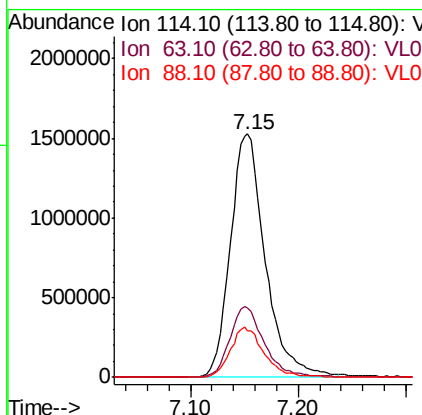
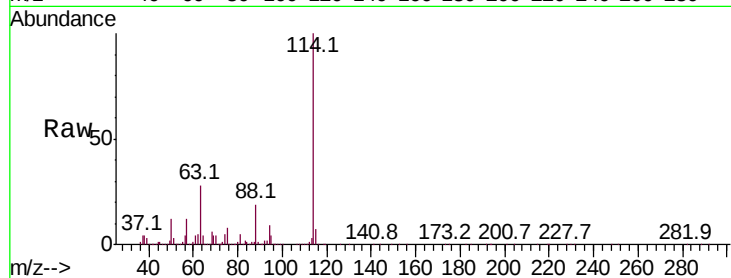
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.1	24.1	36.1
88	20.2	16.0	24.0

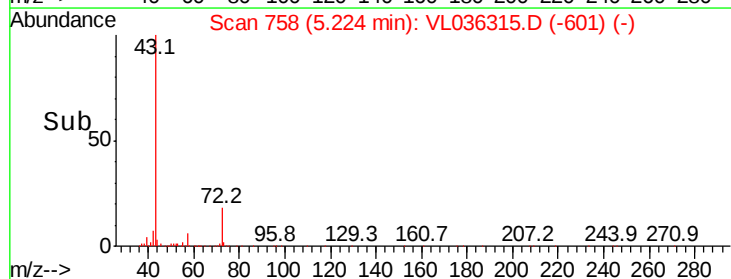
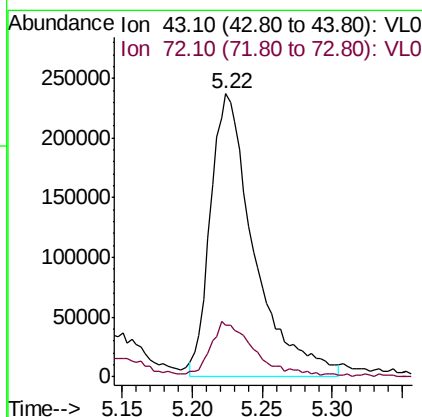
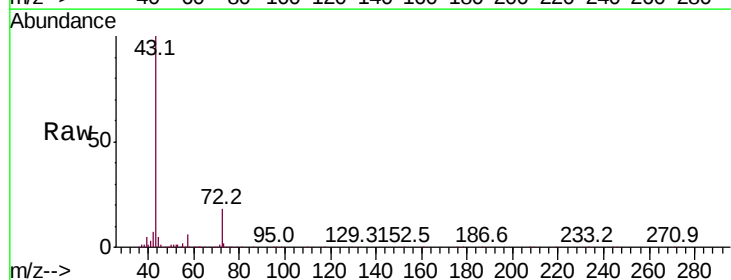
Manual Integrations
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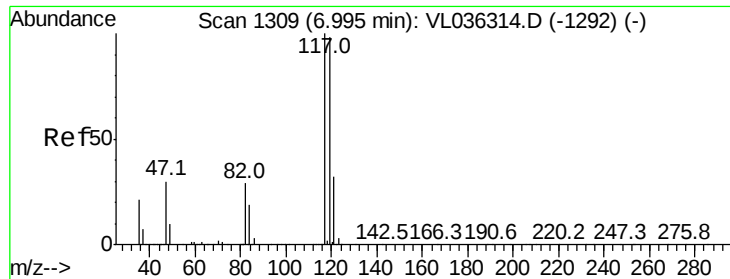
MMDadoda
2/12/2021 1:41:52 PM



#34
2-Butanone
Concen: 2.033 ppbv m
RT: 5.22 min Scan# 758
Delta R.T. 0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.9	16.7	25.1





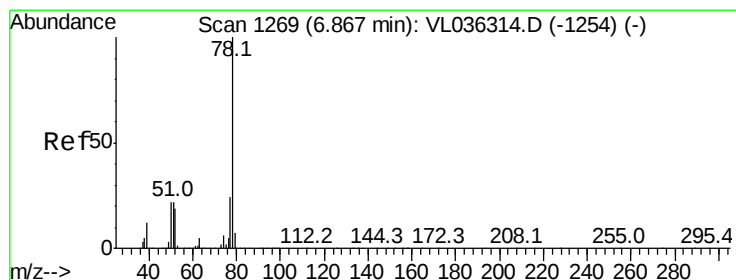
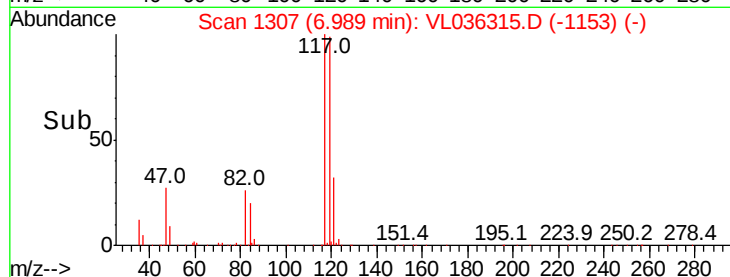
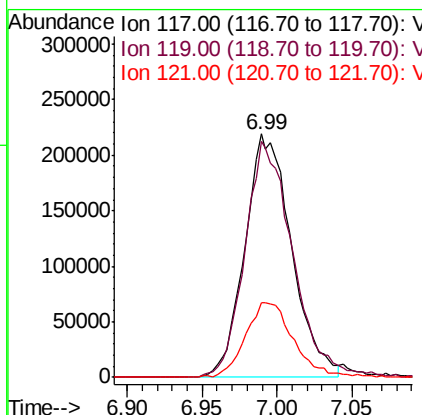
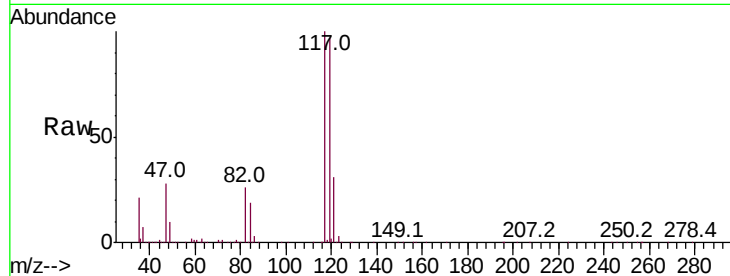
#35
Carbon Tetrachloride
Concen: 2.184 ppbv
RT: 6.99 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.9	78.1	117.1
121	30.6	25.8	38.8

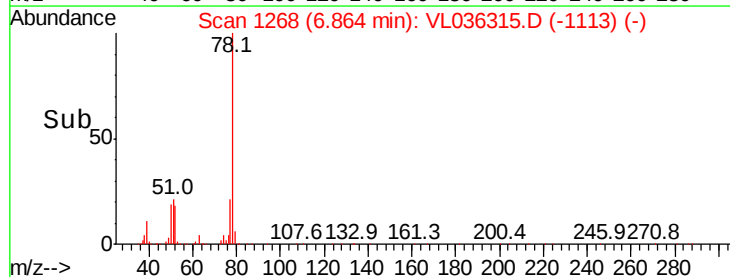
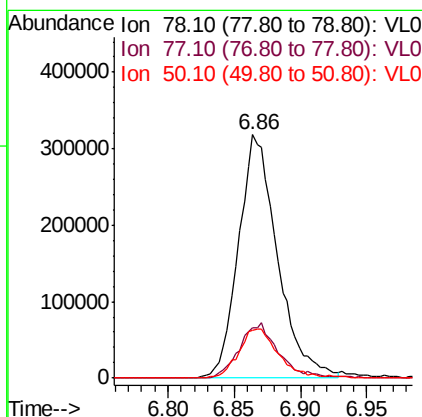
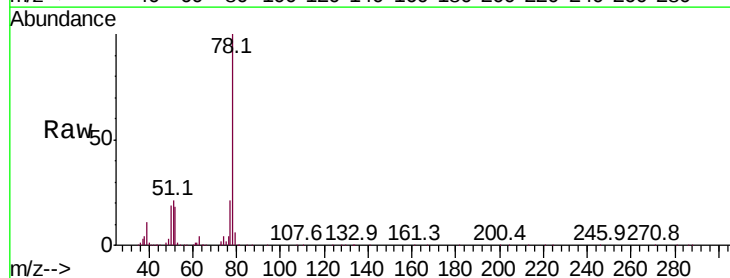
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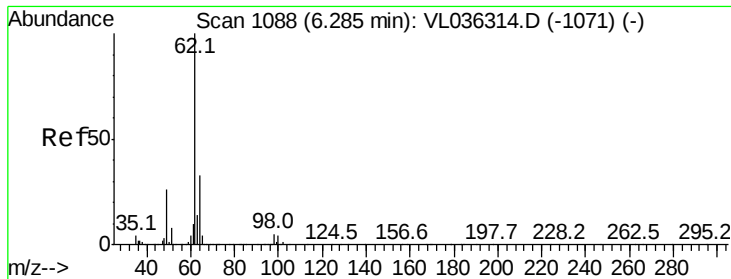
MMDadoda
2/12/2021 1:41:52 PM



#36
Benzene
Concen: 2.068 ppbv
RT: 6.86 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.8	18.9	28.3
50	19.3	17.3	25.9





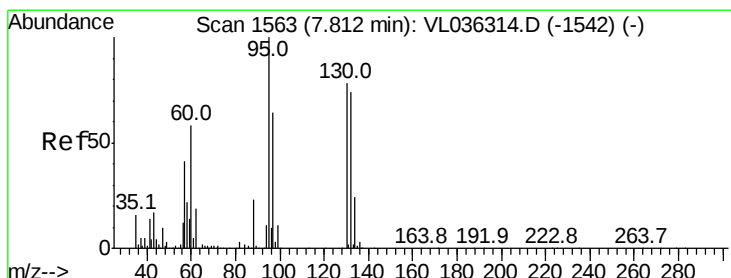
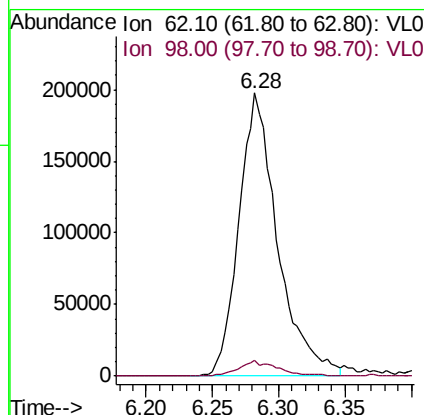
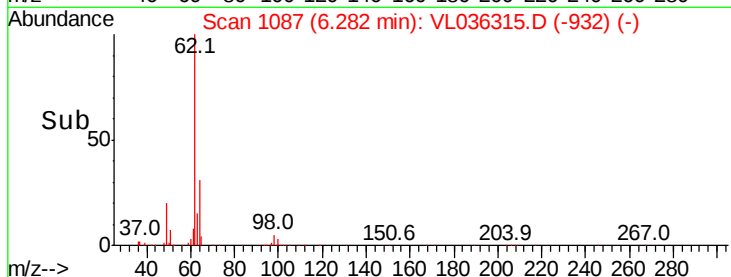
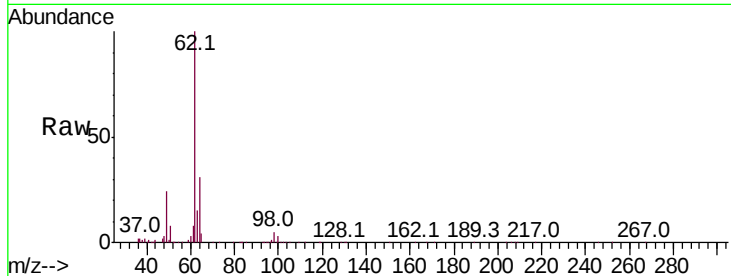
#37
 1,2-Dichloroethane
 Concen: 2.113 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.5	6.7

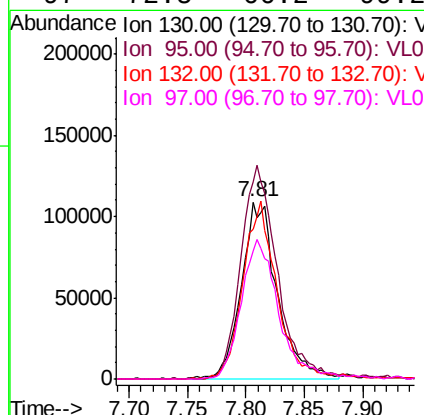
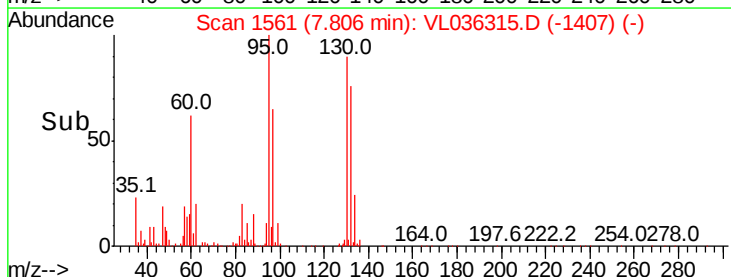
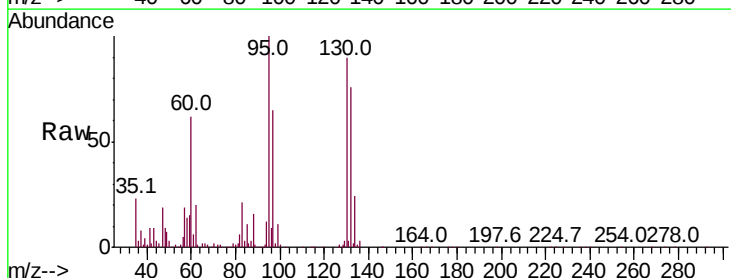
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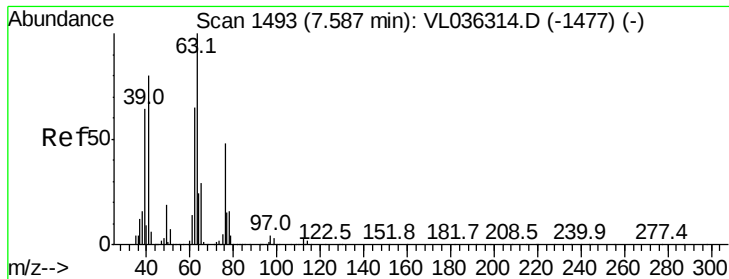
MMDadoda
 2/12/2021 1:41:52 PM



#38
 Trichloroethene
 Concen: 2.003 ppbv m
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.4	102.8	154.2
132	84.3	75.7	113.5
97	72.5	66.2	99.2





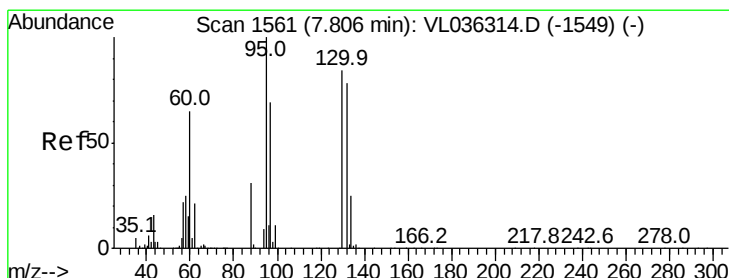
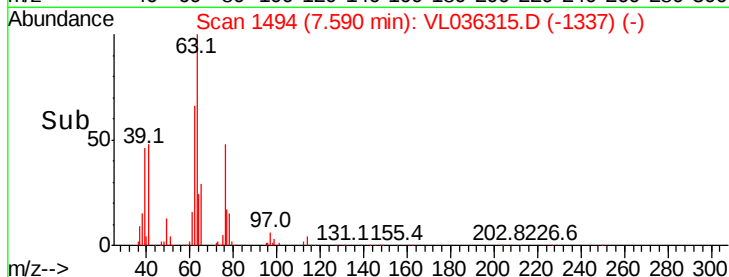
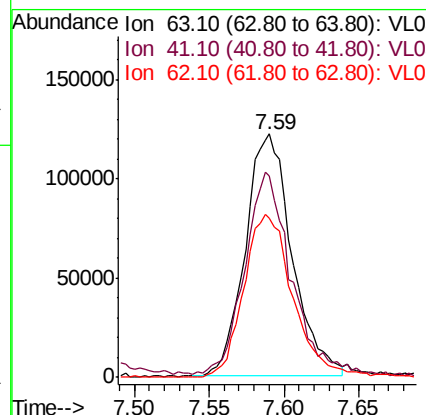
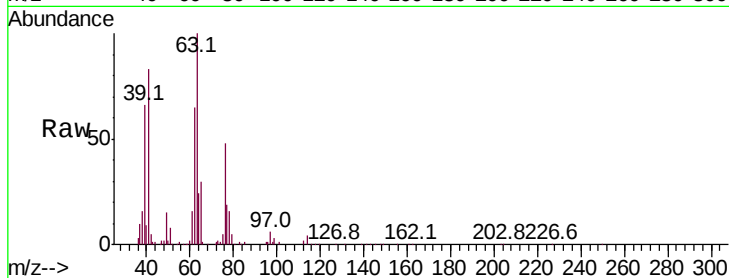
#39
 1,2-Dichloropropane
 Concen: 2.074 ppbv
 RT: 7.59 min Scan# 1494
 Delta R.T. 0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
41	82.4	63.8	95.6
62	65.7	52.3	78.5

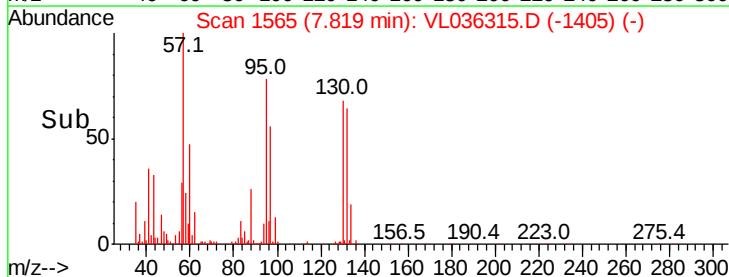
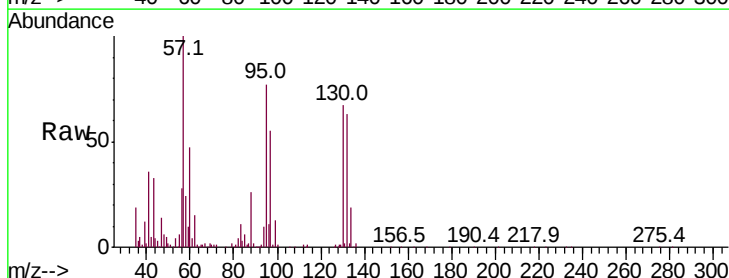
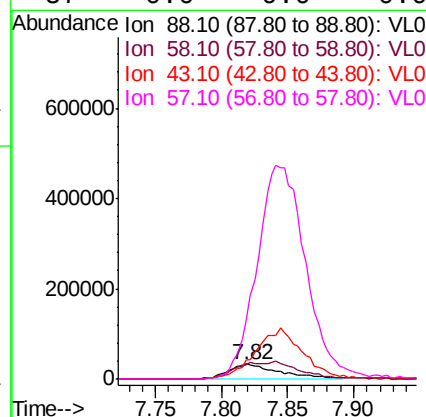
Manual Integrations
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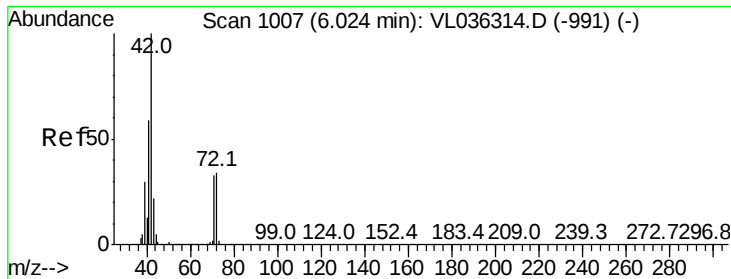
MMDadoda
 2/12/2021 1:41:52 PM



#40
 1,4-Dioxane
 Concen: 1.928 ppbv m
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

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





#41

Tetrahydrofuran

Concen: 2.025 ppbv m

RT: 6.03 min Scan# 1009

Delta R.T. 0.01 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

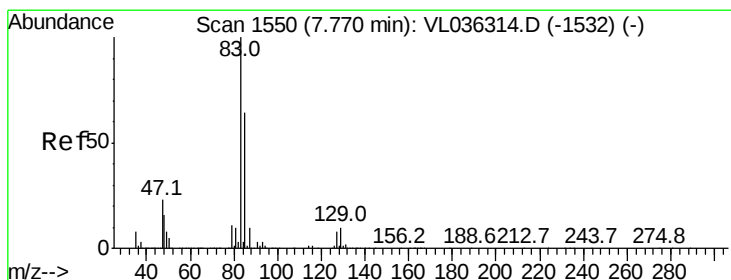
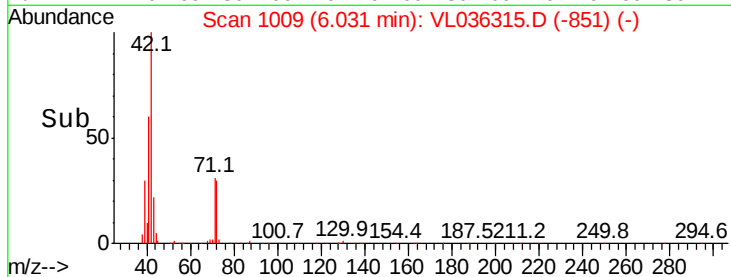
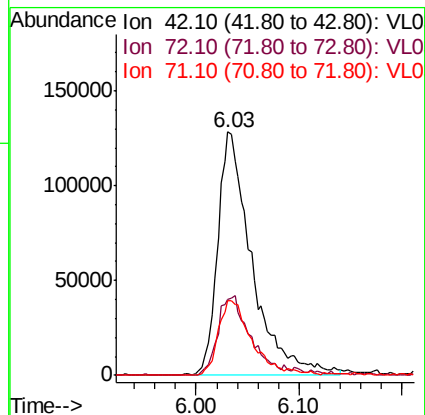
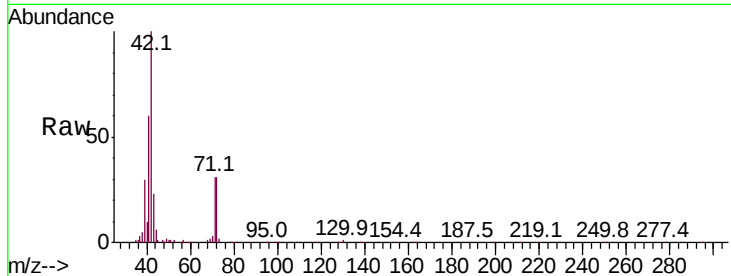
ClientSampleId :

VSTDIC002

Tot Ion:	42	Resp:	296941
Ion Ratio		Lower	Upper
42	100		
72	33.8	29.3	43.9
71	30.9	27.8	41.8

Manual Integrations
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#42

Bromodichloromethane

Concen: 2.247 ppbv

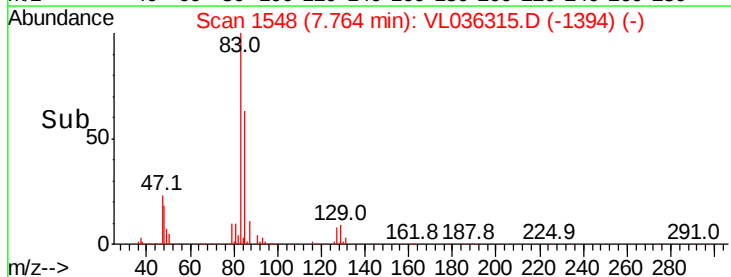
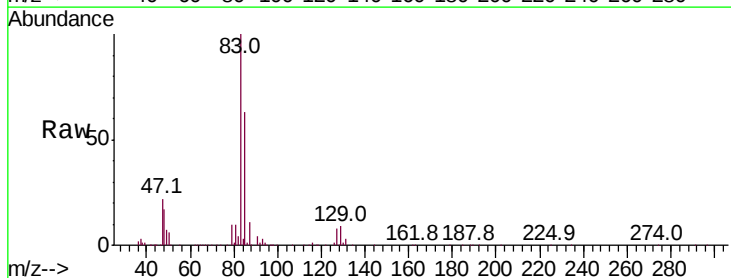
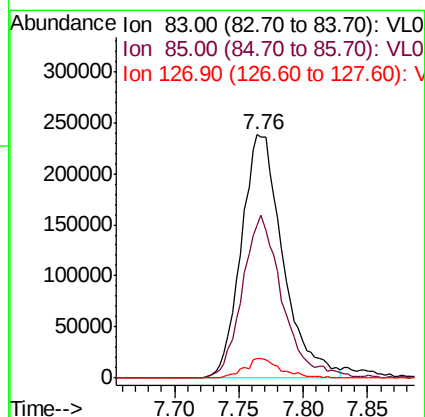
RT: 7.76 min Scan# 1548

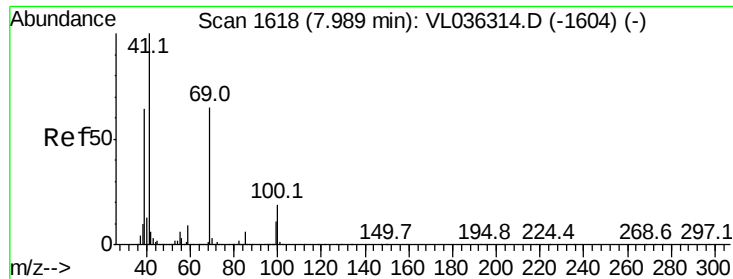
Delta R.T. -0.01 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Tgt Ion:	83	Resp:	536495
Ion Ratio		Lower	Upper
83	100		
85	62.6	51.1	76.7
127	8.0	6.3	9.5





#43

Methyl Methacrylate

Concen: 2.038 ppbv

RT: 7.99 min Scan# 1619

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

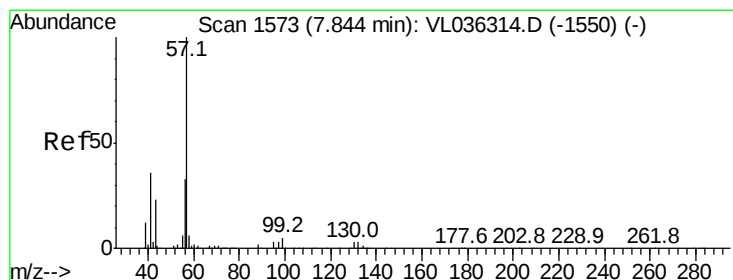
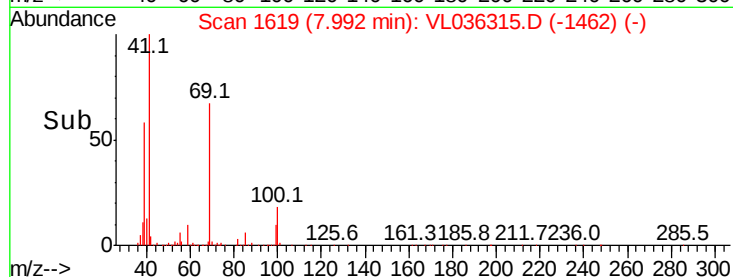
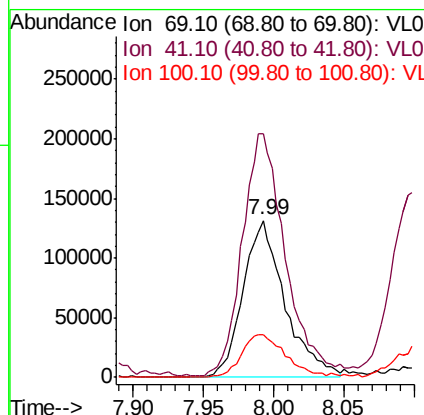
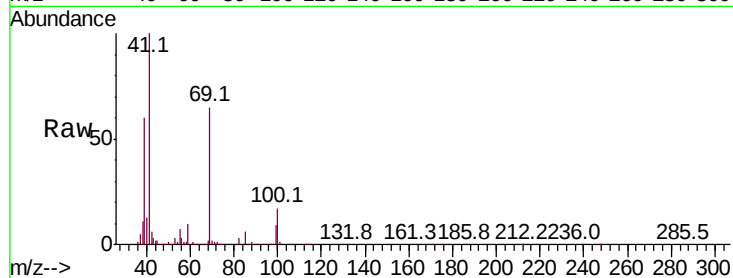
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	158.8	126.5	189.7
100	29.6	23.1	34.7

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 2.088 ppbv

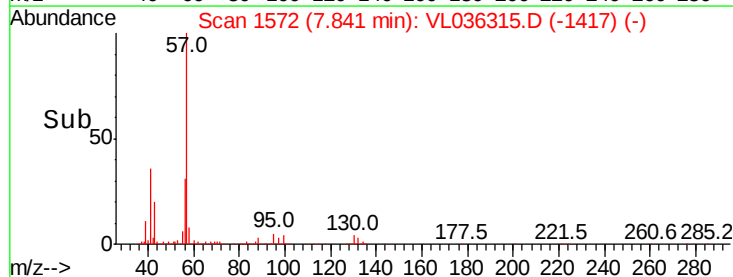
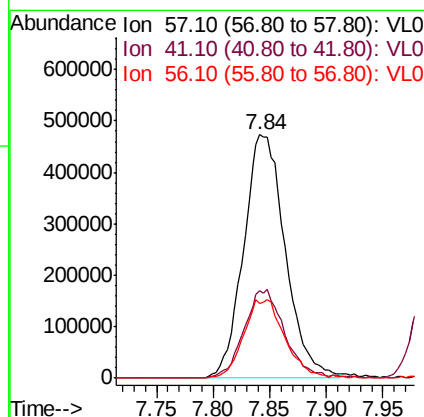
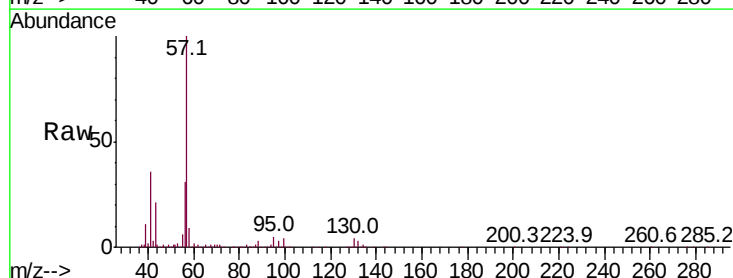
RT: 7.84 min Scan# 1572

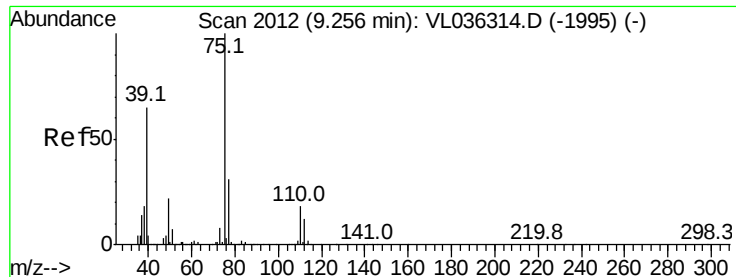
Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.3	28.8	43.2
56	32.2	25.8	38.6





#45

t-1,3-Dichloropropene

Concen: 1.989 ppbv

RT: 9.26 min Scan# 2012

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 253376

Ion Ratio Lower Upper

75 100

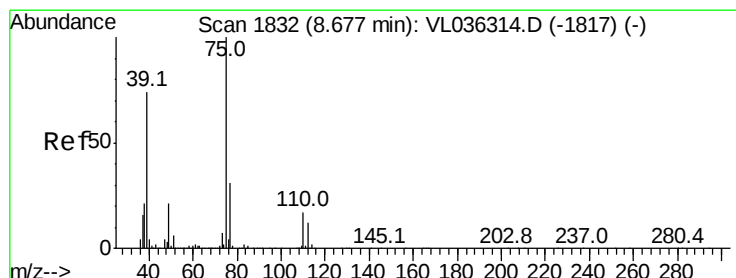
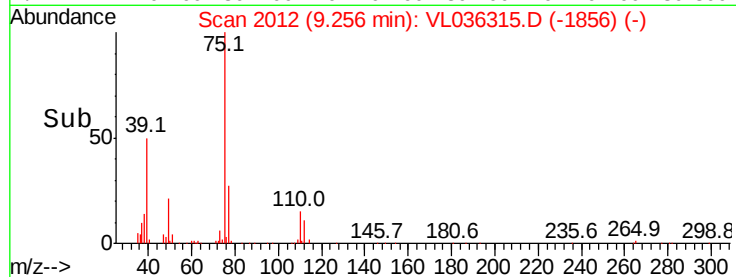
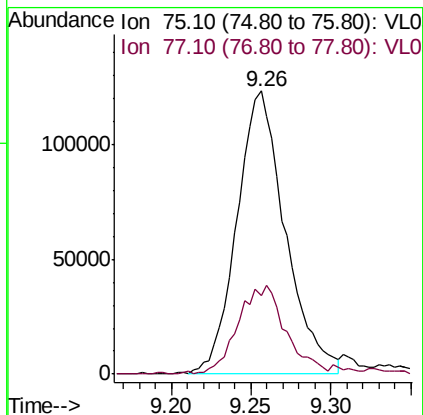
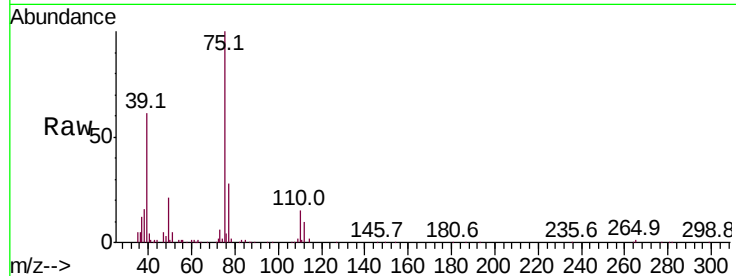
77 27.5 24.6 37.0

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2/12/2021 1:41:52 PM



#46

cis-1,3-Dichloropropene

Concen: 2.011 ppbv

RT: 8.68 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

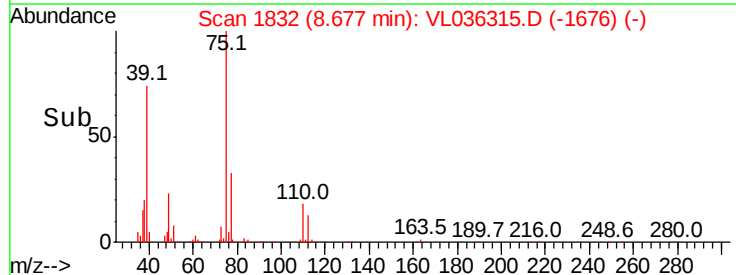
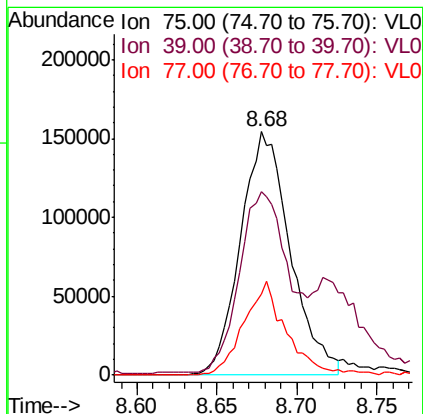
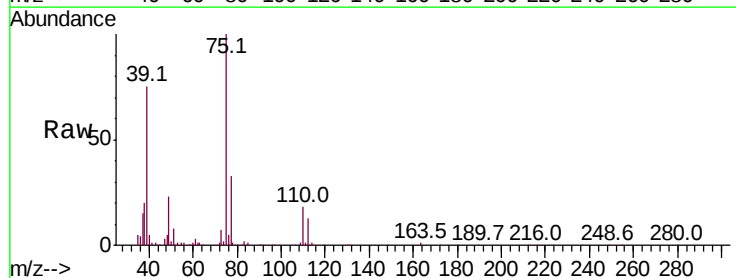
Tgt Ion: 75 Resp: 329199

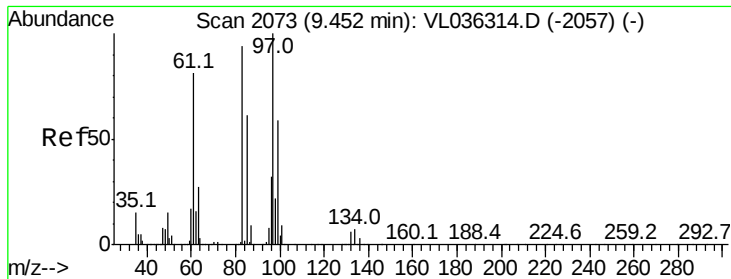
Ion Ratio Lower Upper

75 100

39 74.1 59.2 88.8

77 33.3 25.0 37.6





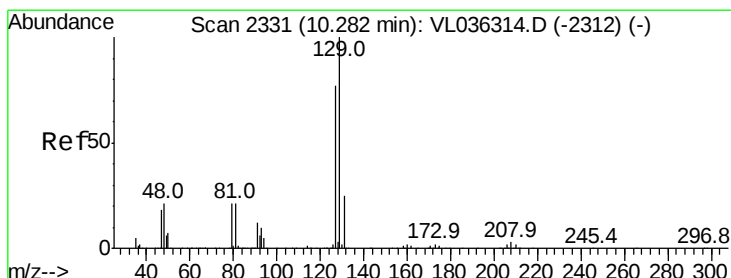
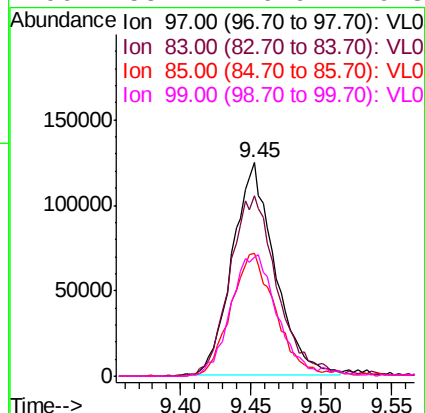
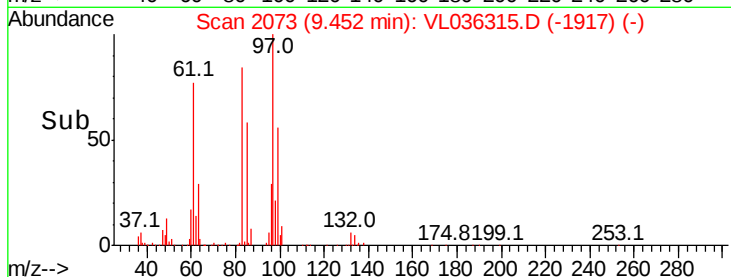
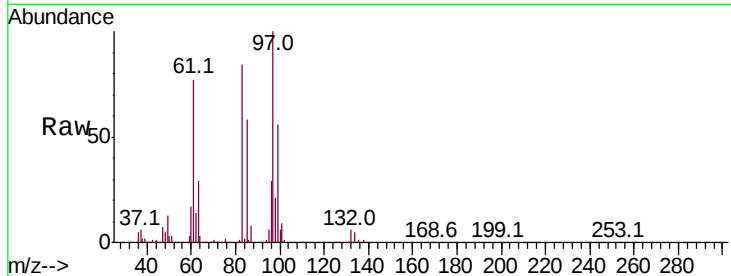
#47
 1,1,2-Trichloroethane
 Concen: 2.138 ppbv
 RT: 9.45 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		262173		
83	83.7	75.4	113.0		
85	57.7	48.9	73.3		
99	55.2	46.9	70.3		

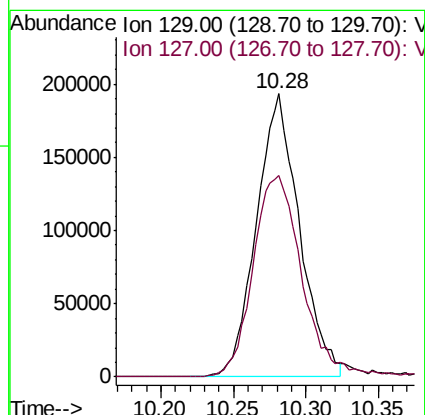
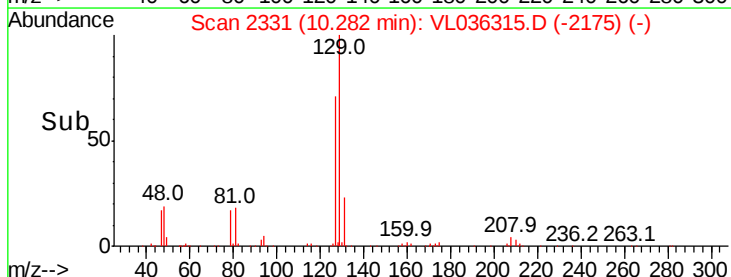
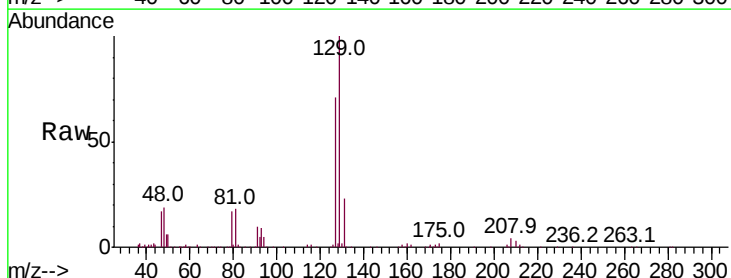
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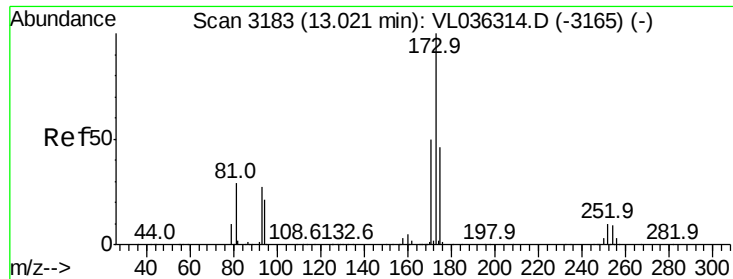
MMDadoda
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#48
 Dibromochloromethane
 Concen: 2.220 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		398269		
127	81.8	39.1	117.2		





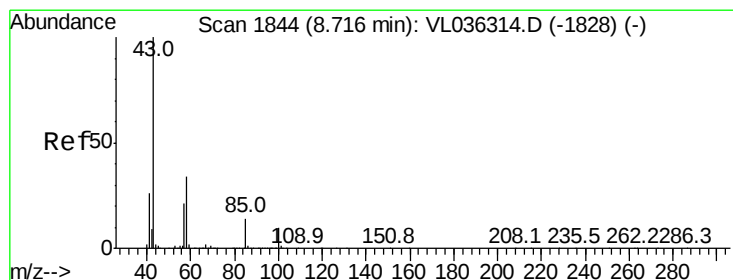
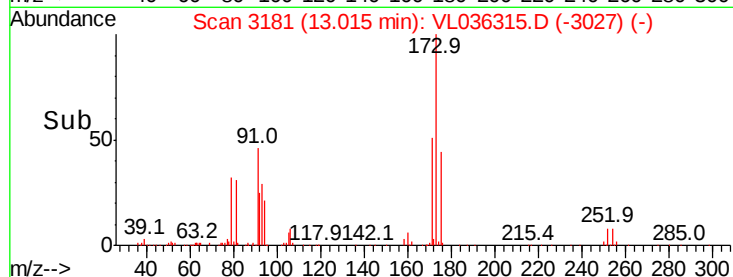
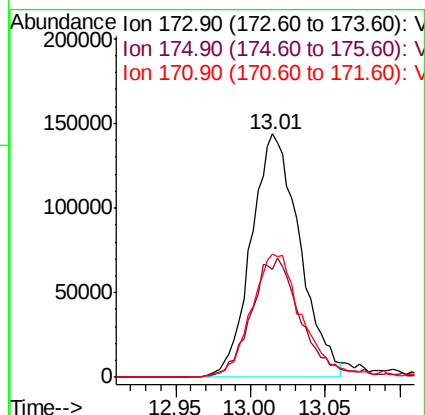
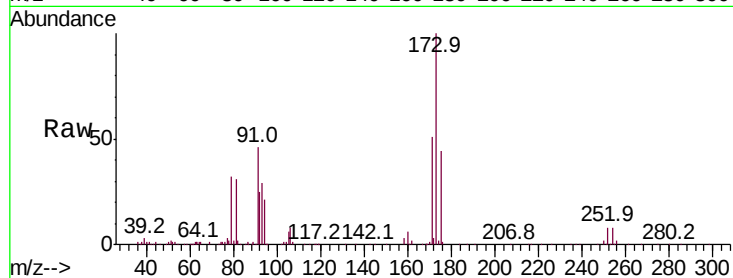
#49
Bromoform
Concen: 2.165 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.4	40.2	60.2
171	54.5	43.4	65.2

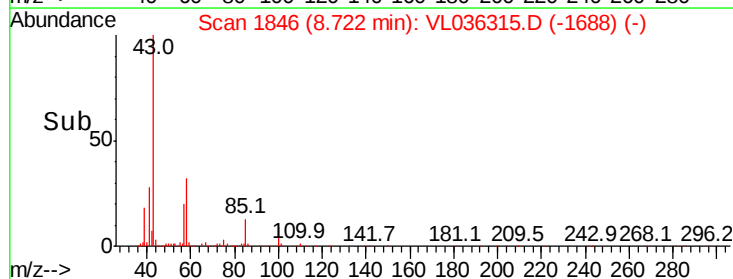
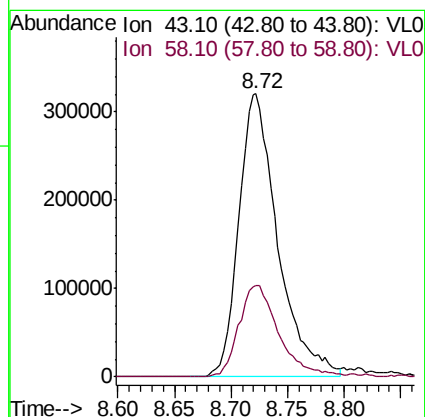
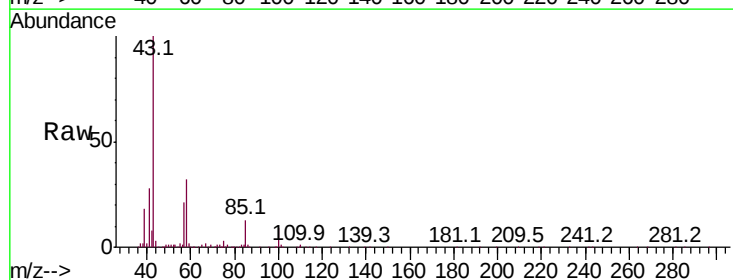
Manual Integrations
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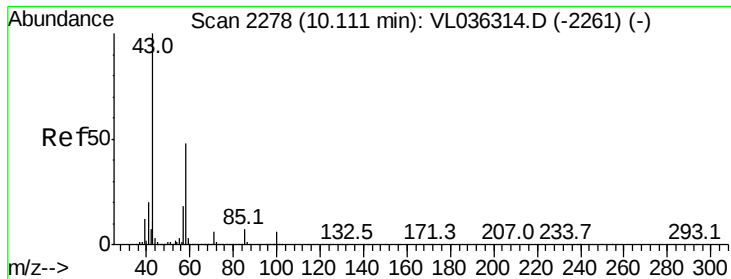
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 2.031 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.8	41.6





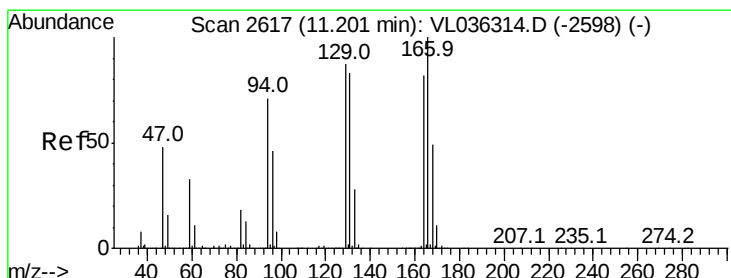
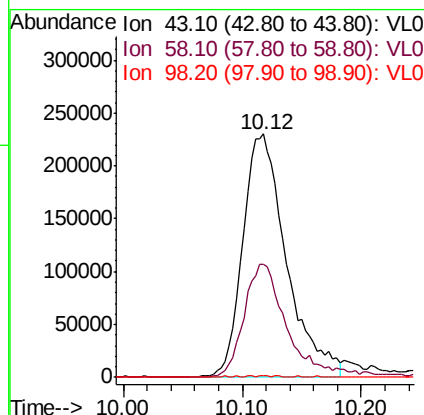
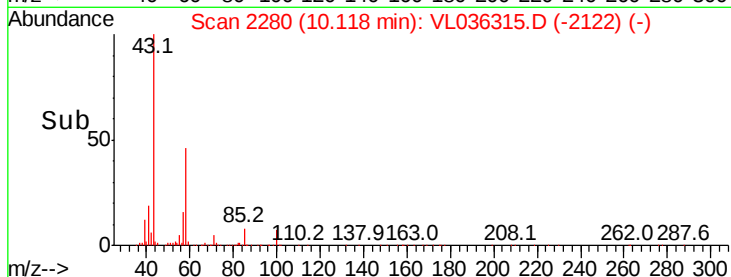
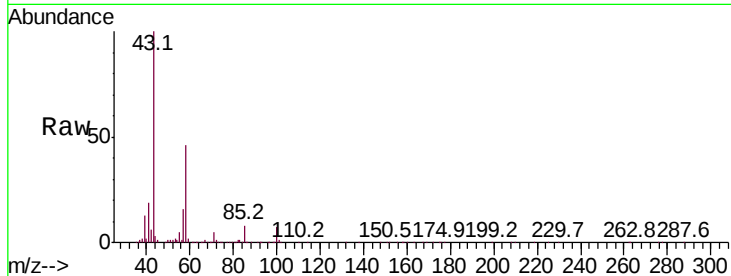
#51
2-Hexanone
Concen: 1.956 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.01 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.4	38.7	58.1
98	0.5	0.4	0.6

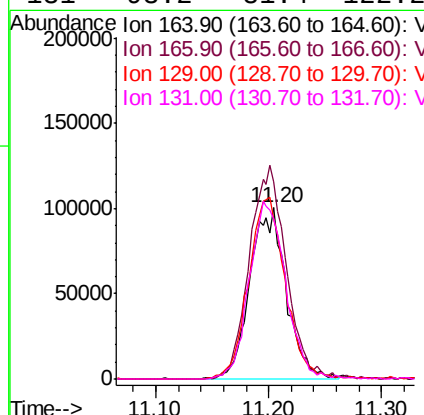
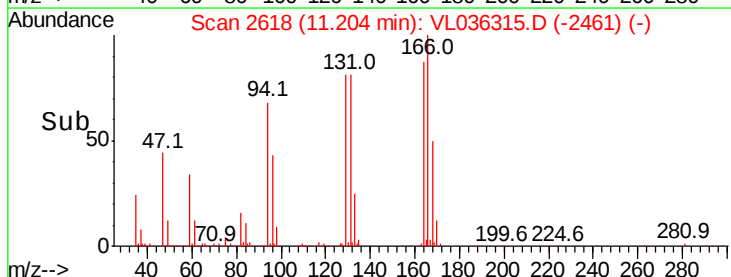
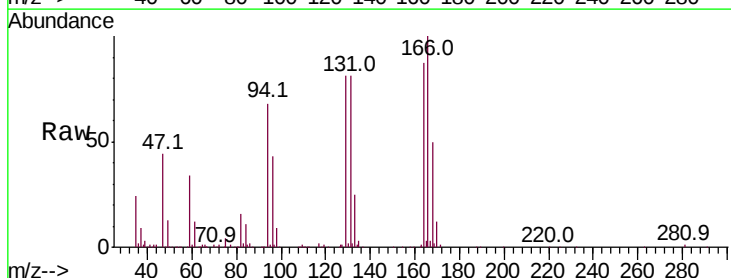
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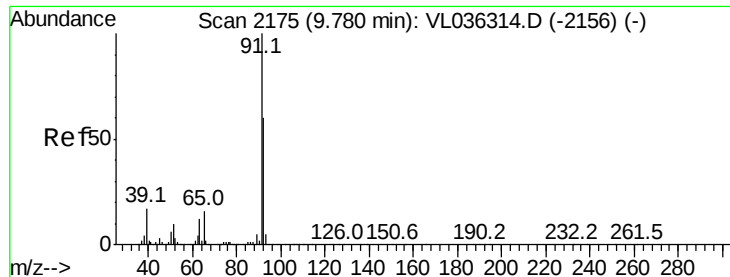
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#52
Tetrachloroethene
Concen: 1.925 ppbv m
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	114.7	97.8	146.8
129	93.3	84.9	127.3
131	93.2	81.4	122.2





#53

Toluene

Concen: 2.040 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 720431

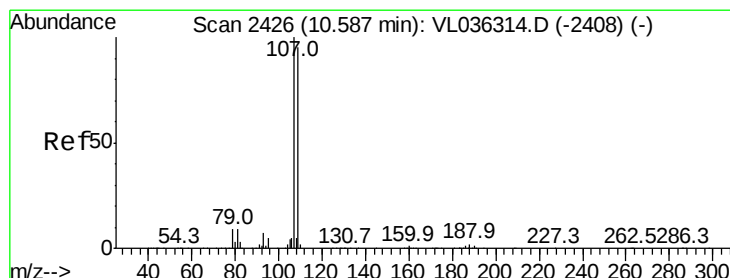
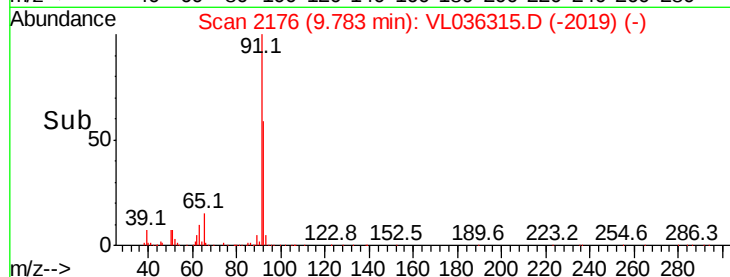
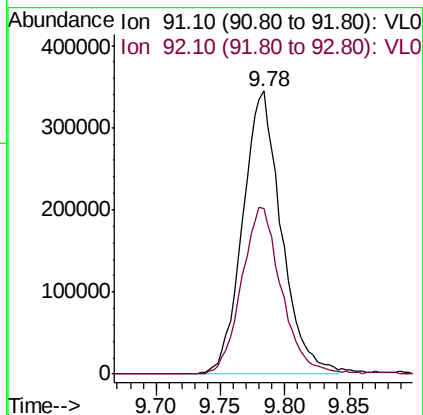
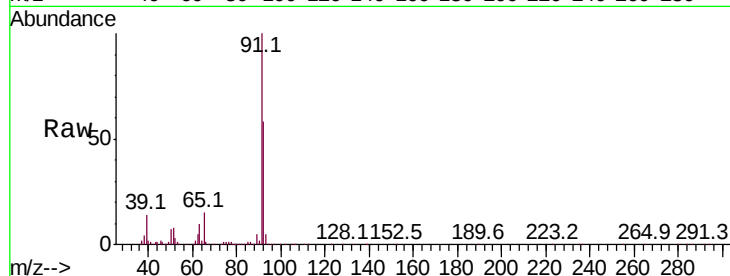
Ion Ratio Lower Upper

91 100

92 61.3 48.6 72.8

Manual Integrations
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2/12/2021 1:41:52 PM



#54

1,2-Dibromoethane

Concen: 2.130 ppbv m

RT: 10.58 min Scan# 2424

Delta R.T. -0.01 min

Lab File: VL036315.D

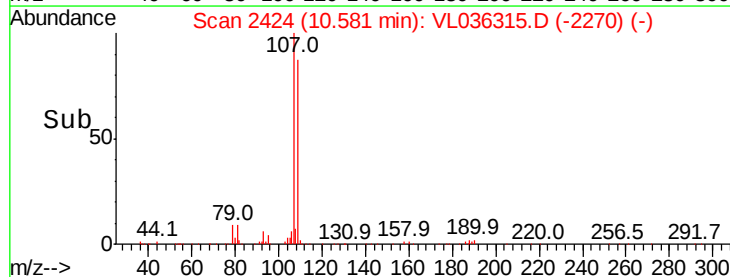
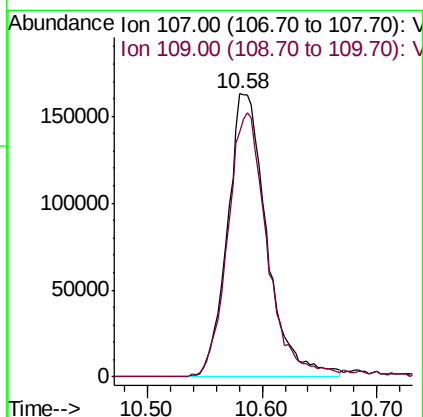
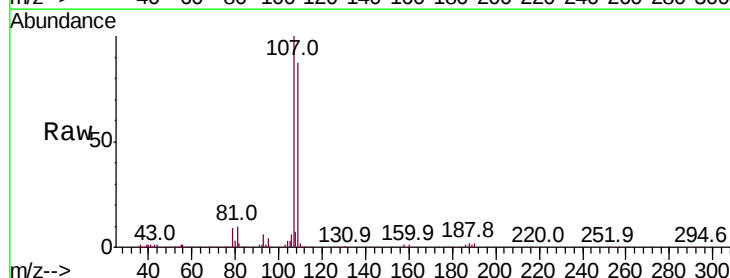
Acq: 10 Feb 2021 12:04

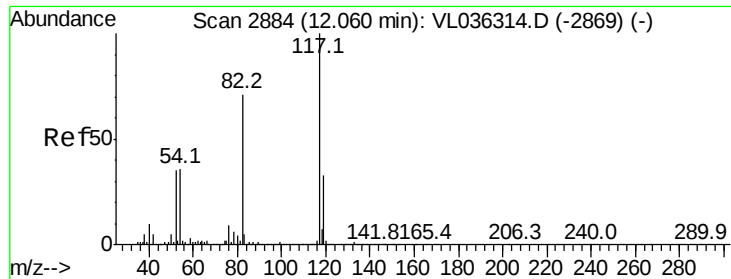
Tgt Ion: 107 Resp: 387137

Ion Ratio Lower Upper

107 100

109 86.6 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:117 Resp: 3314817

Ion Ratio Lower Upper

117 100

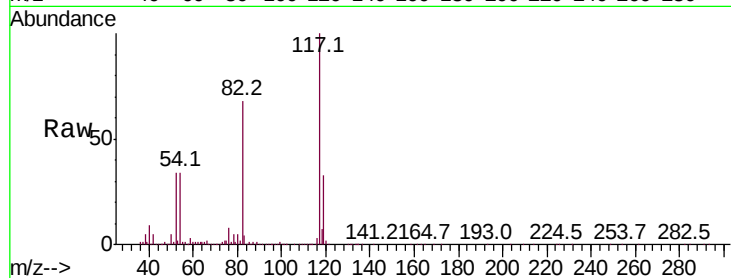
82 68.2 59.1 88.7

119 37.6 46.3 69.5#

Manual Integrations
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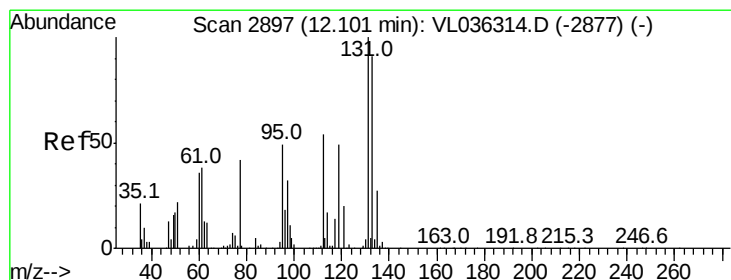
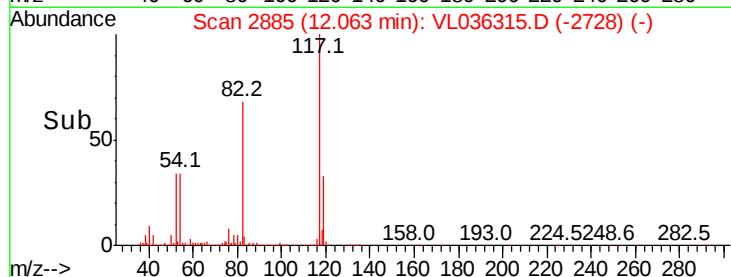
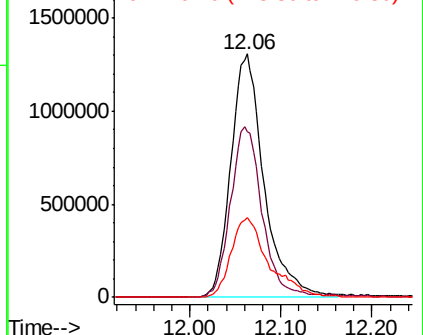
2/12/2021 1:41:52 PM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 2.242 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

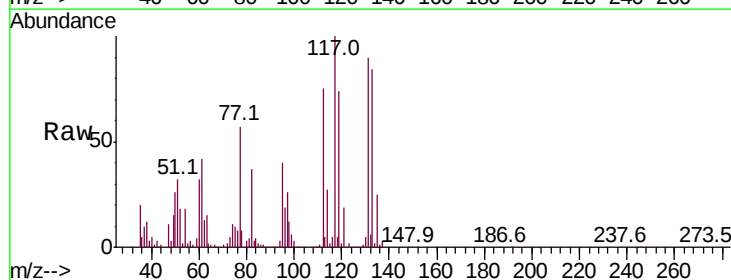
Tgt Ion:131 Resp: 331660

Ion Ratio Lower Upper

131 100

133 92.9 76.0 114.0

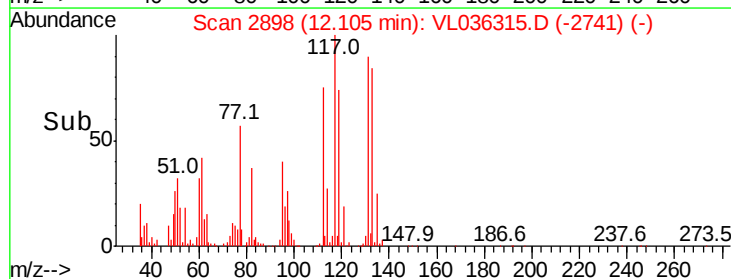
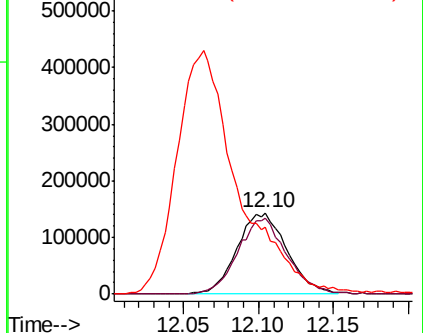
119 375.5 115.1 172.7#

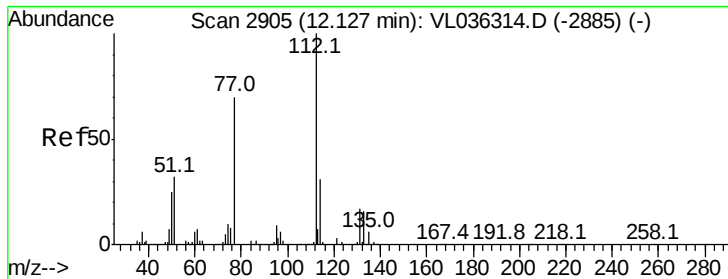


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





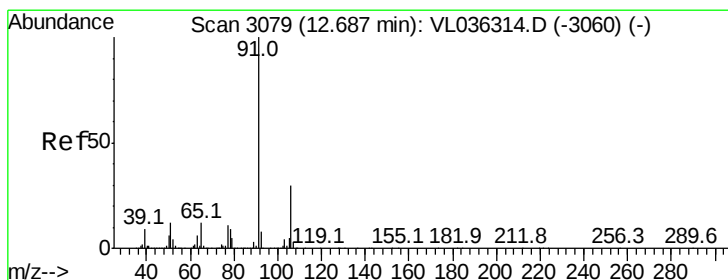
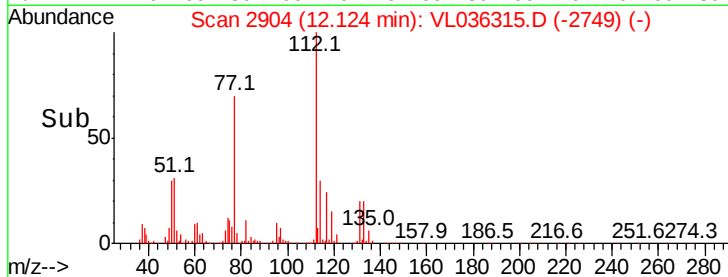
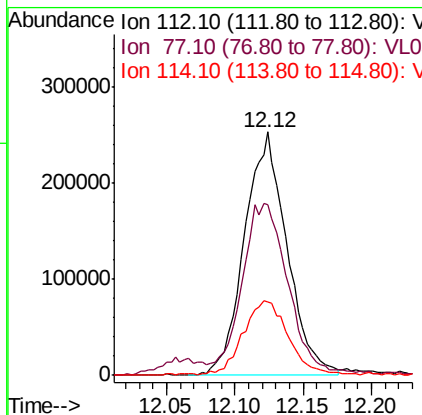
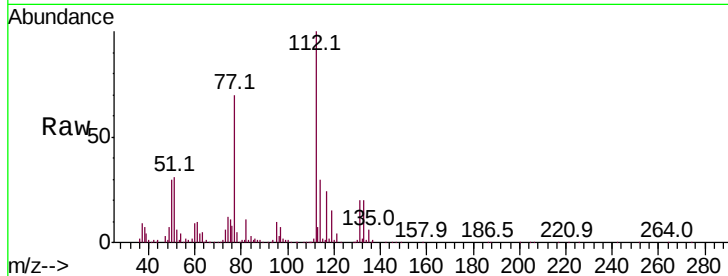
#57
Chlorobenzene
Concen: 2.091 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
112	100		
77	67.8	56.1	84.1
114	29.0	28.3	34.5

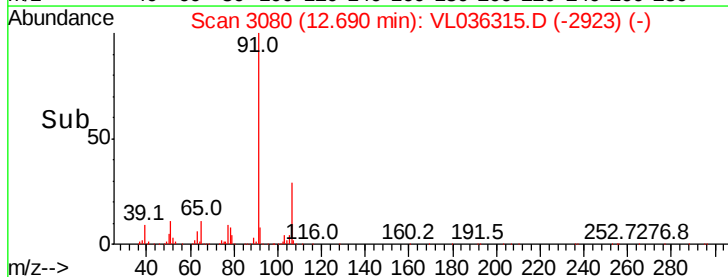
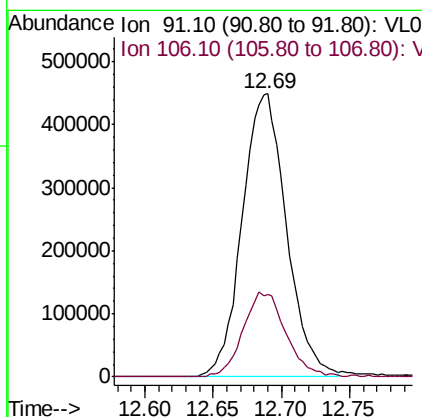
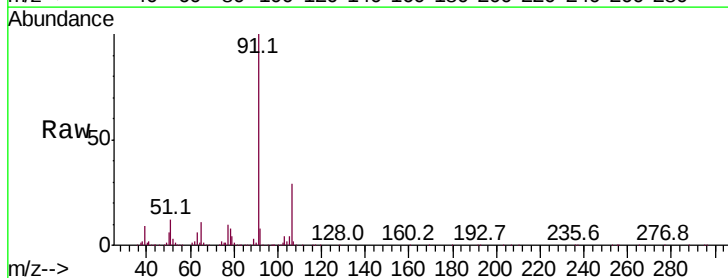
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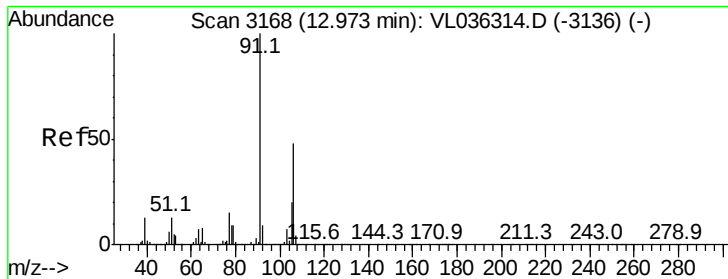
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#58
Ethyl Benzene
Concen: 2.052 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. 0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.8	35.6





#59

m/p-Xylene

Concen: 4.190 ppbv m

RT: 12.97 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 1770973

Ion Ratio Lower Upper

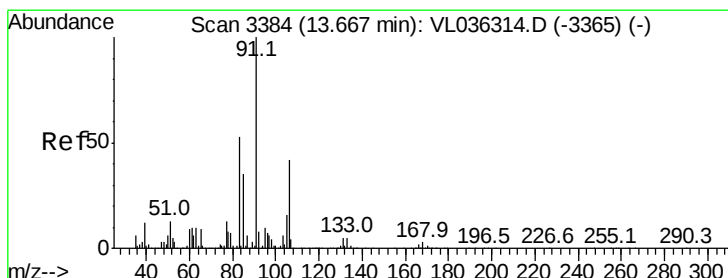
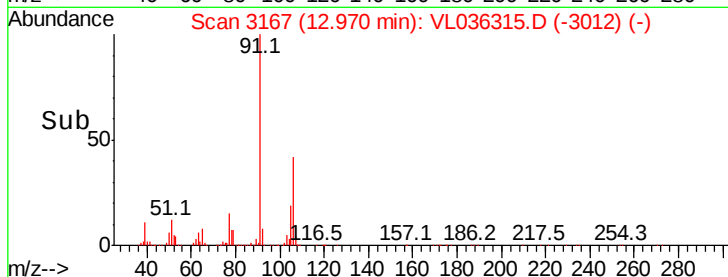
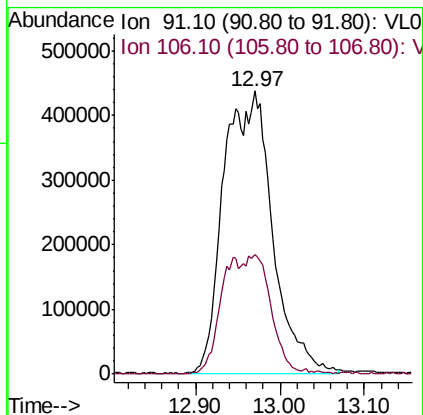
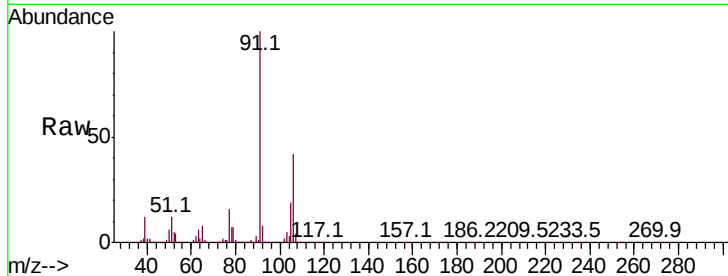
91 100

106 41.9 34.2 51.2

Manual Integrations
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2/12/2021 1:41:52 PM



#60

o-Xylene

Concen: 2.083 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. 0.00 min

Lab File: VL036315.D

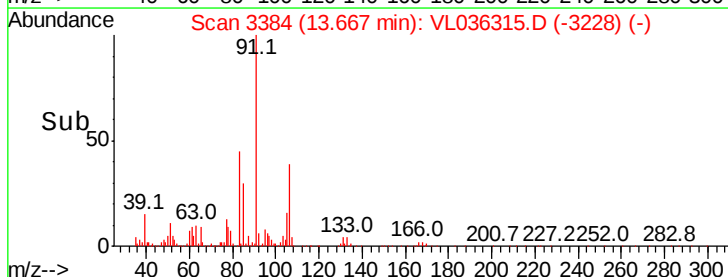
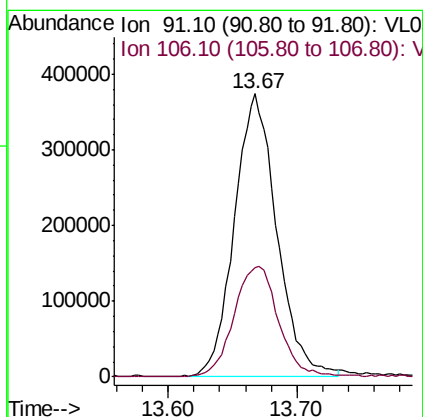
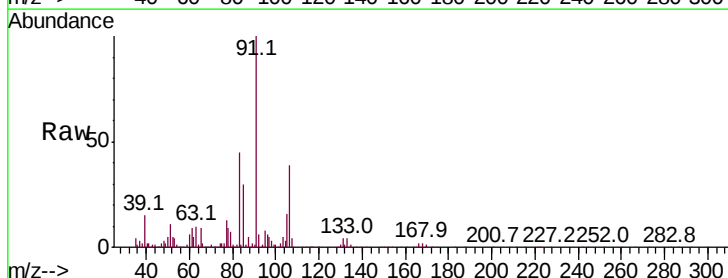
Acq: 10 Feb 2021 12:04

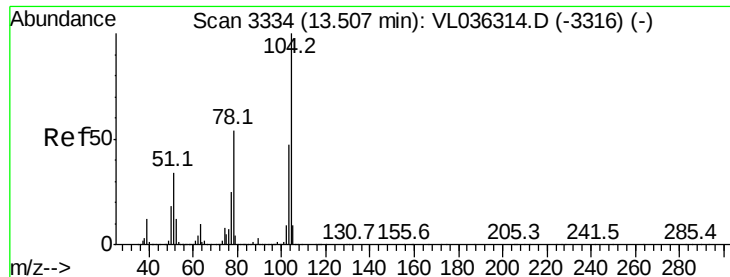
Tgt Ion: 91 Resp: 848603

Ion Ratio Lower Upper

91 100

106 41.9 22.0 66.0





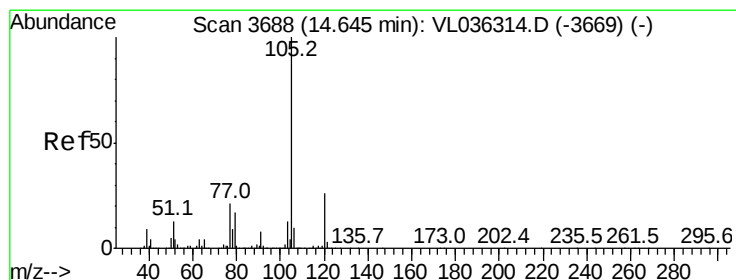
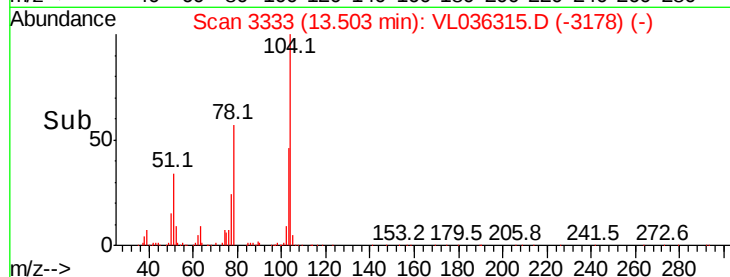
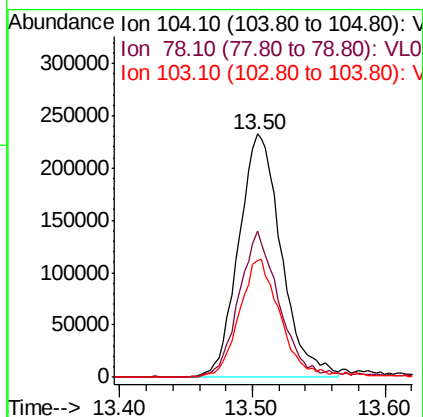
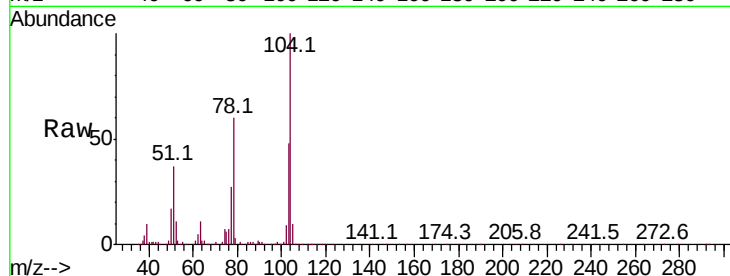
#61
Stvrene
Concen: 2.019 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	58.3	46.2	69.2
103	47.8	38.3	57.5

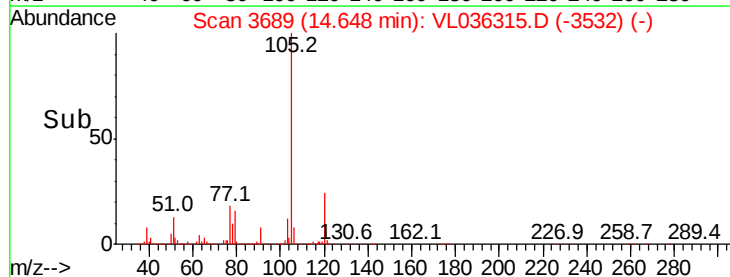
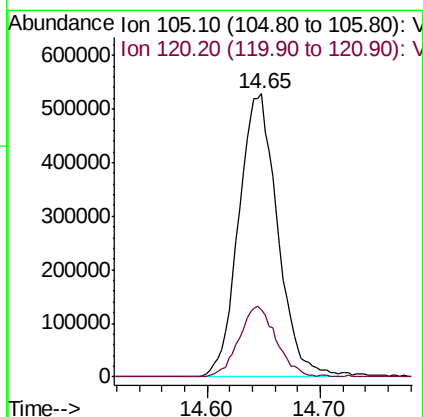
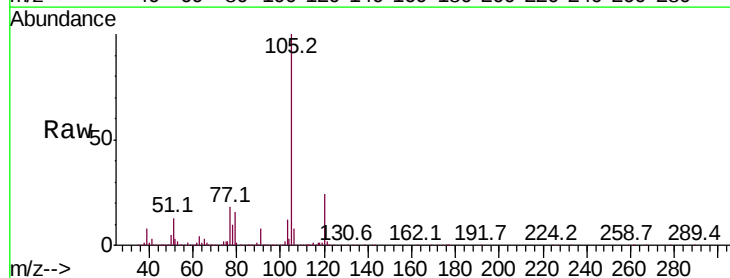
Manual Integrations
APPROVED

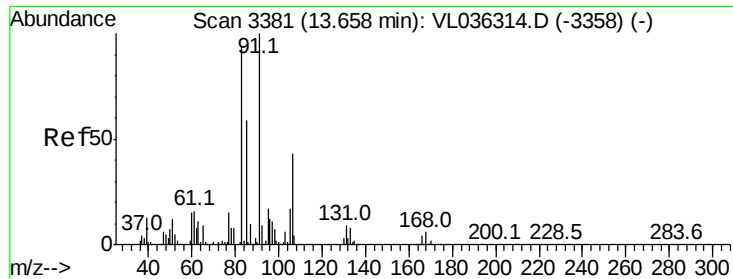
MMDadoda
2/12/2021 1:41:52 PM



#62
Isopropylbenzene
Concen: 2.084 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. 0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.4	20.6	30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 2.031 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

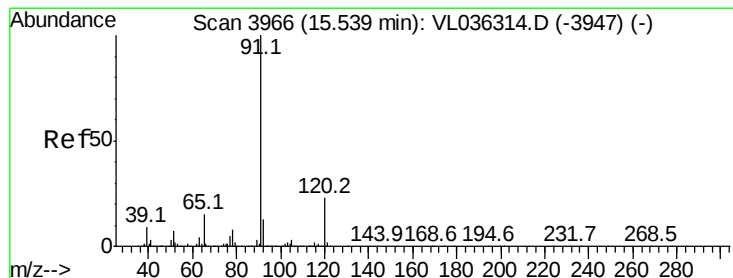
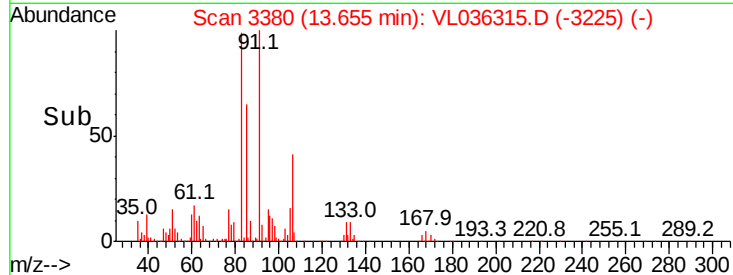
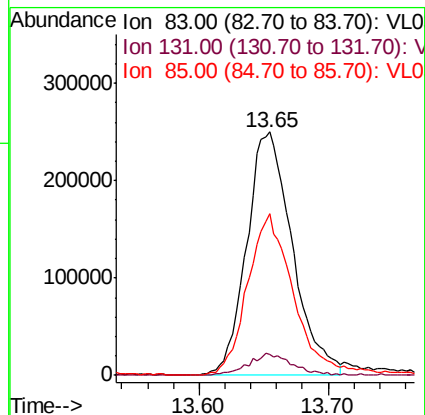
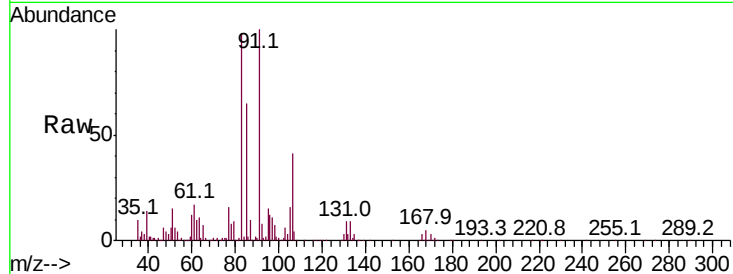
ClientSampleId :

VSTDIC002

Tot Ion:	83	Resp:	616008
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.7	14.0
85	68.2	33.0	98.9

Manual Integrations
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MMDadoda
2/12/2021 1:41:52 PM



#64

n-propylbenzene

Concen: 2.061 ppbv

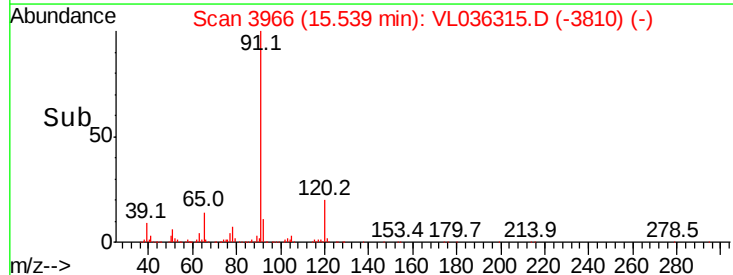
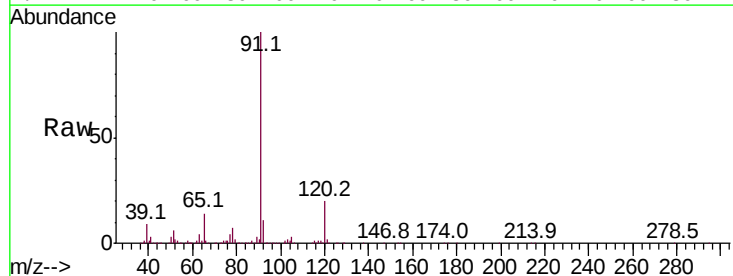
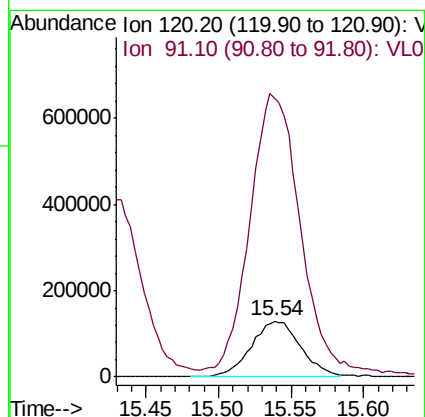
RT: 15.54 min Scan# 3966

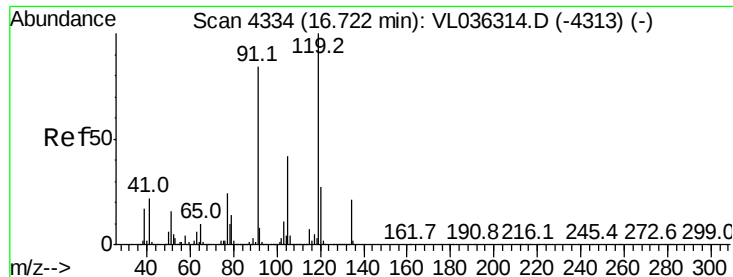
Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Tgt Ion:	120	Resp:	306796
Ion Ratio	Lower	Upper	
120	100		
91	533.7	387.2	580.8





#65

tert-Butylbenzene

Concen: 2.147 ppbv

RT: 16.72 min Scan# 4333

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:119 Resp: 1102152

Ion Ratio Lower Upper

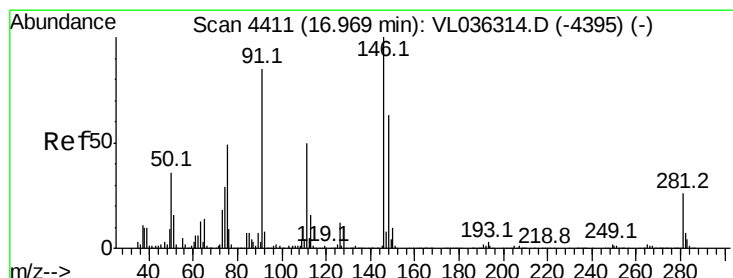
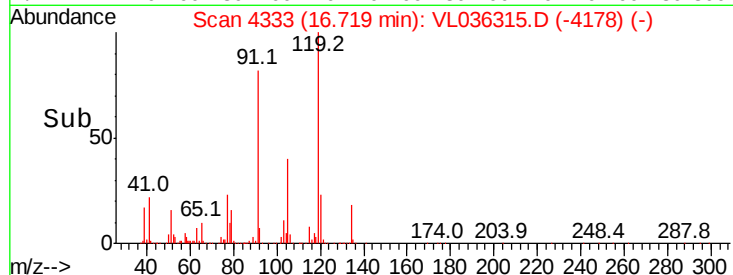
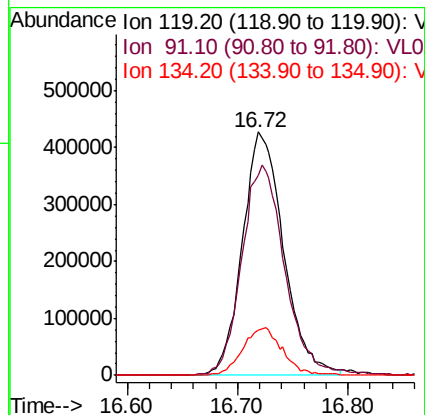
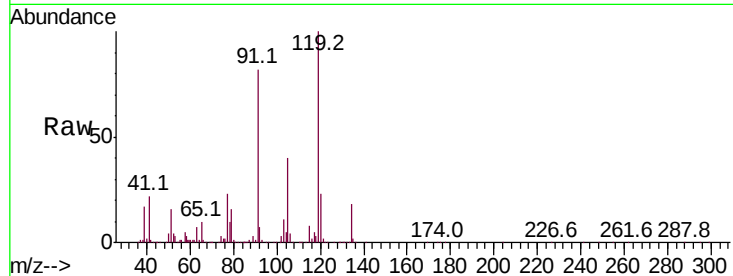
119 100

91 90.8 70.5 105.7

134 19.1 15.8 23.8

Manual Integrations
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2/12/2021 1:41:52 PM



#66

Benzyl Chloride

Concen: 2.005 ppbv

RT: 16.97 min Scan# 4410

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

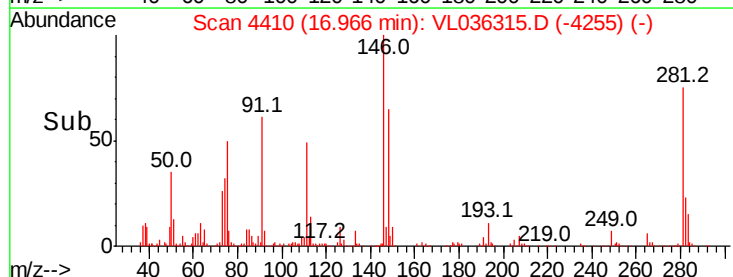
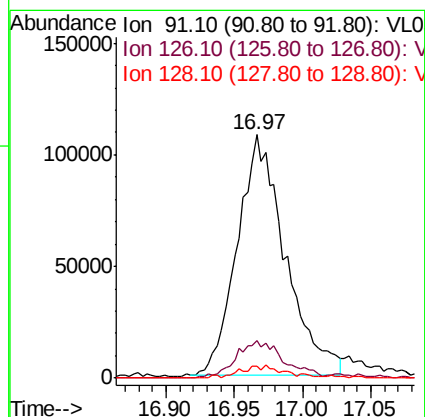
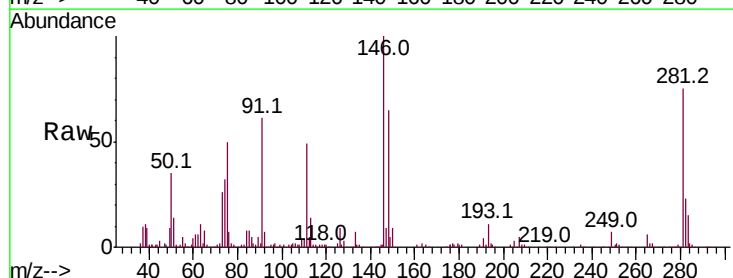
Tgt Ion: 91 Resp: 262977

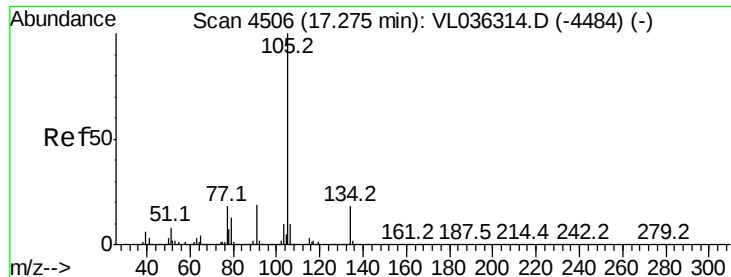
Ion Ratio Lower Upper

91 100

126 16.8 12.9 19.3

128 5.4 4.2 6.2





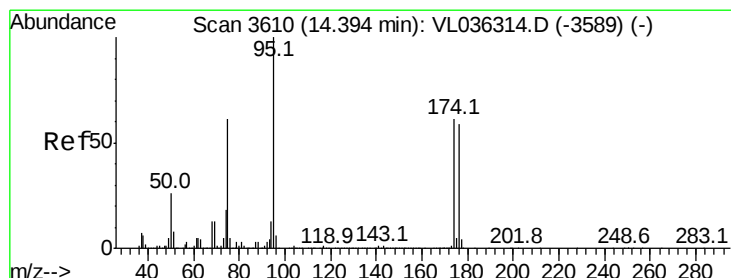
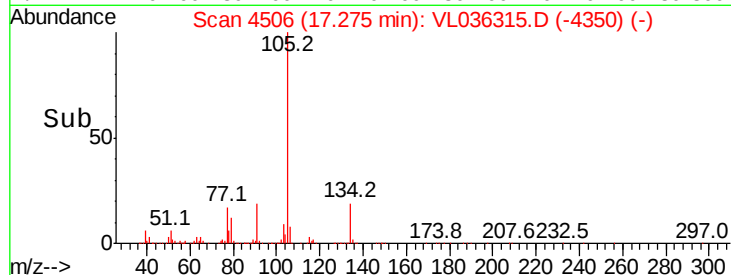
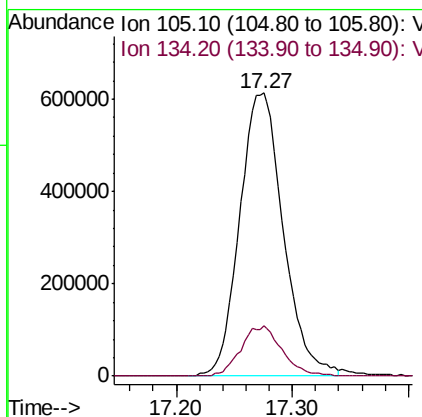
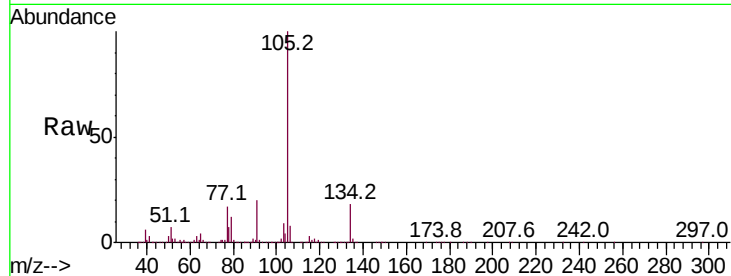
#67
 sec-Butylbenzene
 Concen: 2.099 ppbv
 RT: 17.27 min Scan# 4506
 Delta R.T. 0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:105 Resp: 1598980
 Ion Ratio Lower Upper
 105 100
 134 17.0 14.2 21.4

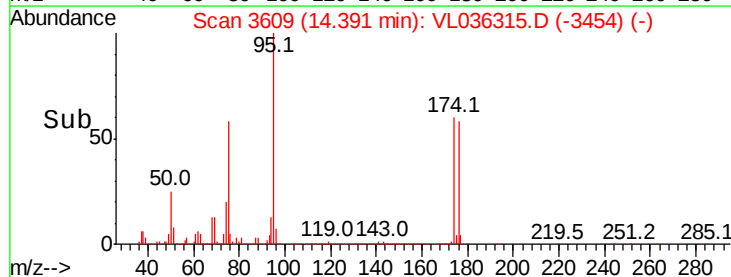
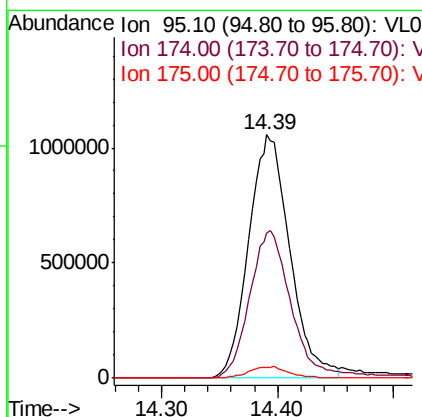
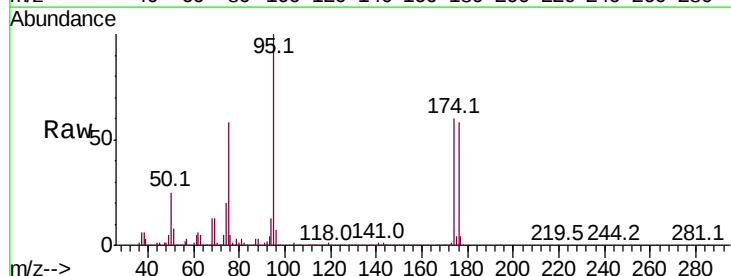
Manual Integrations
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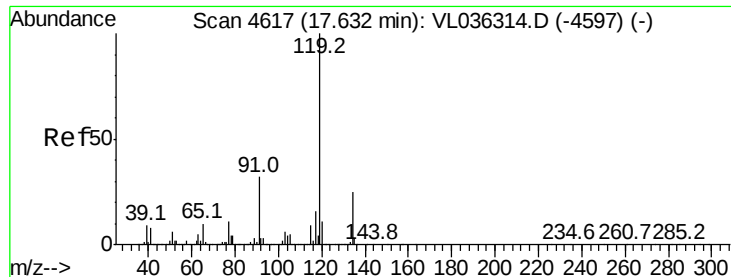
MMDadoda
 2/12/2021 1:41:52 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.522 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Tgt Ion: 95 Resp: 2612690
 Ion Ratio Lower Upper
 95 100
 174 63.0 49.8 74.6
 175 4.7 3.7 5.5





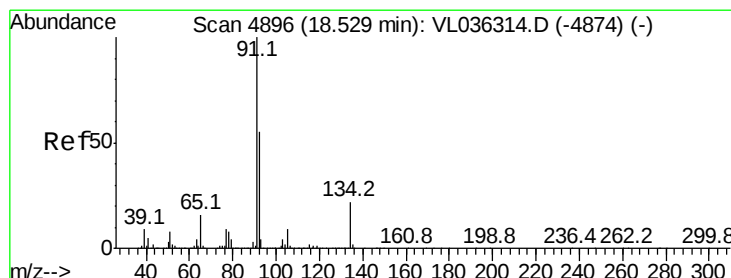
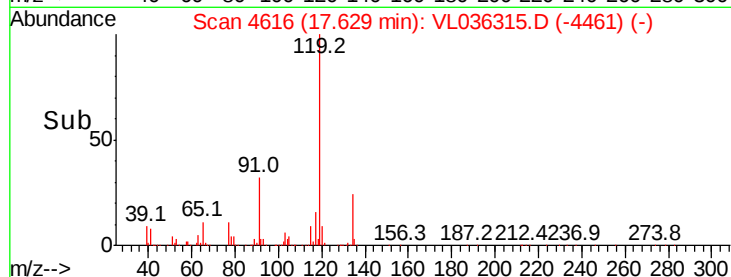
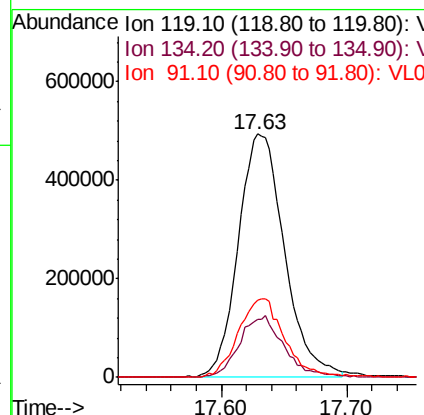
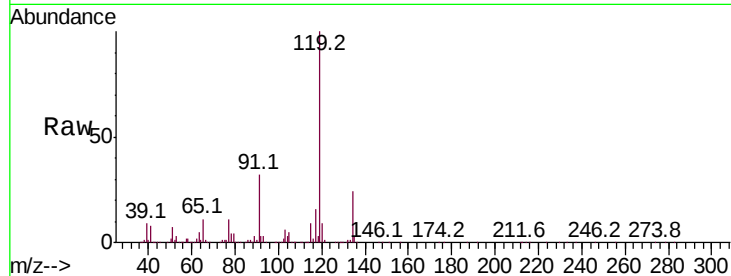
#69
p-Isopropyltoluene
Concen: 2.068 ppbv
RT: 17.63 min Scan# 4616
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.9	20.1	30.1
91	32.8	25.8	38.6

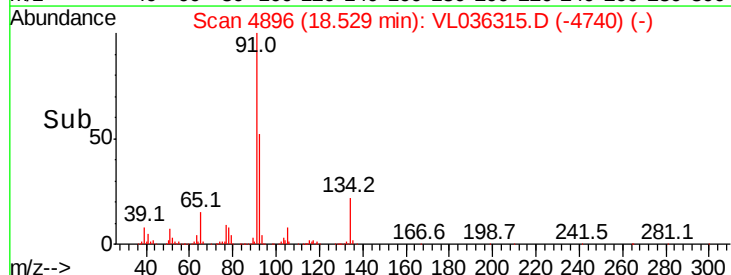
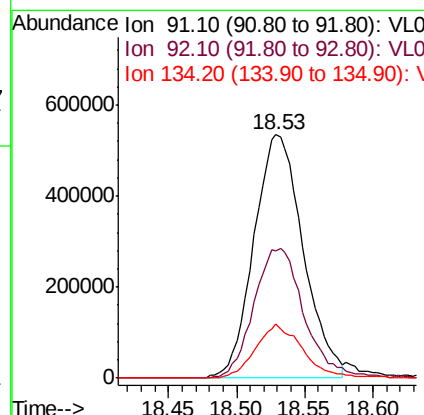
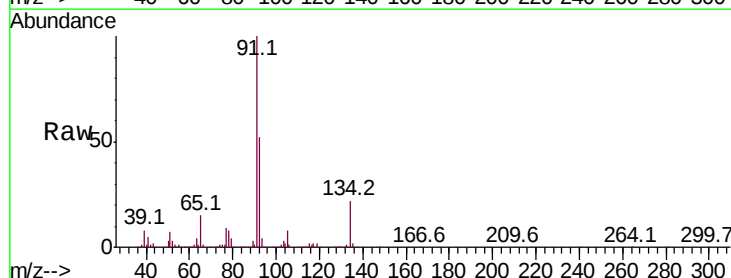
Manual Integrations
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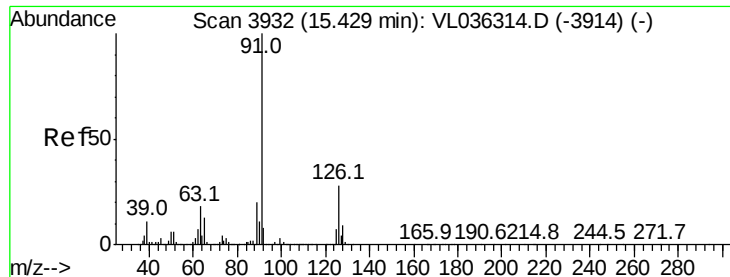
MMDadoda
2/12/2021 1:41:52 PM



#70
n-Butylbenzene
Concen: 2.081 ppbv
RT: 18.53 min Scan# 4896
Delta R.T. 0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.7	65.5
134	21.6	17.4	26.0





#71

2-Chlorotoluene

Concen: 2.061 ppbv

RT: 15.43 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 981296

Ion Ratio Lower Upper

91 100

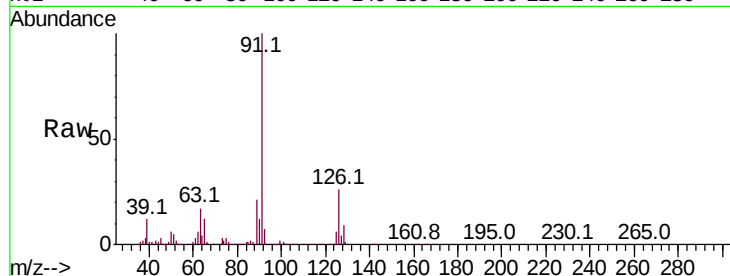
126 28.4 11.5 46.1

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

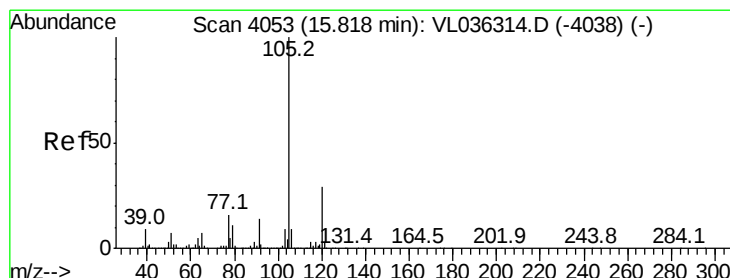
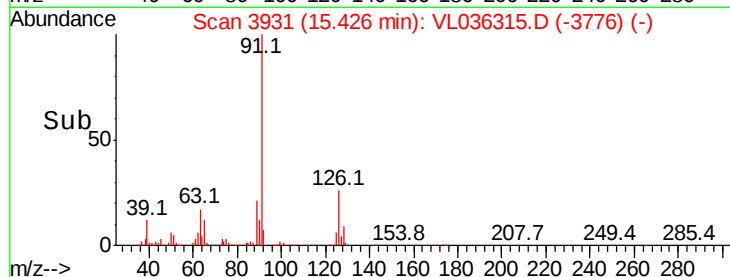
600000

400000

200000

0

Time-->



#72

4-Ethyltoluene

Concen: 2.057 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Tgt Ion: 105 Resp: 945908

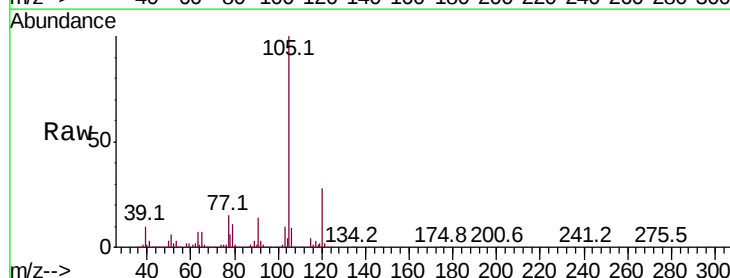
Ion Ratio Lower Upper

105 100

120 28.3 23.2 34.8

91 13.5 11.0 16.4

77 15.0 12.2 18.4



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

600000

500000

400000

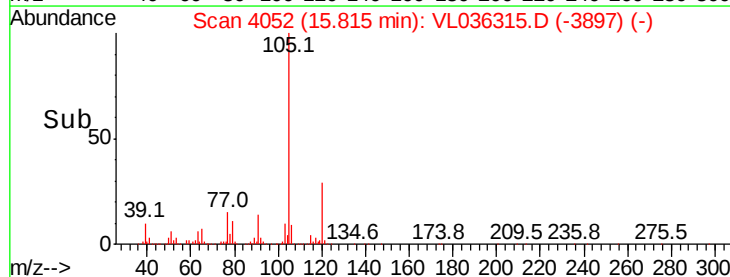
300000

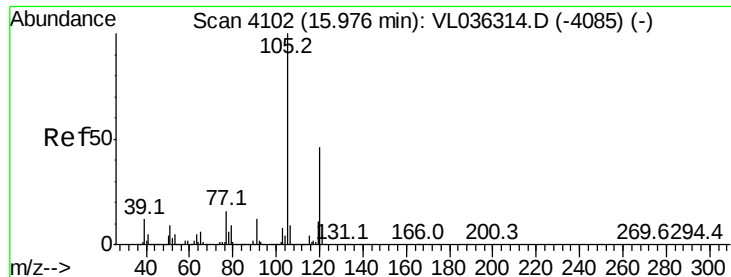
200000

100000

0

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 2.074 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 909022

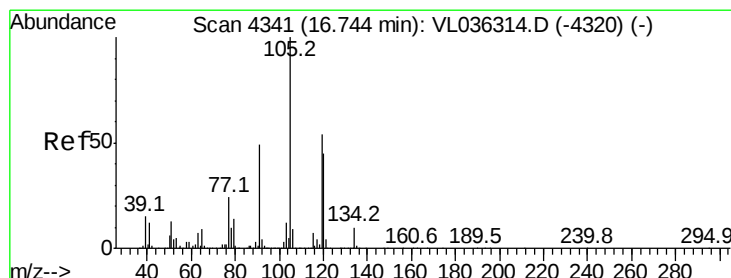
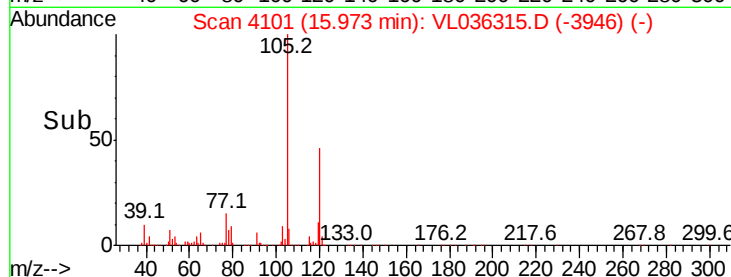
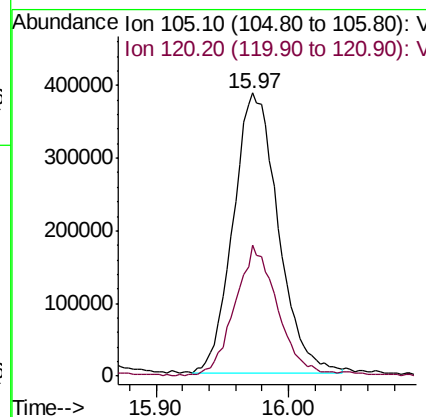
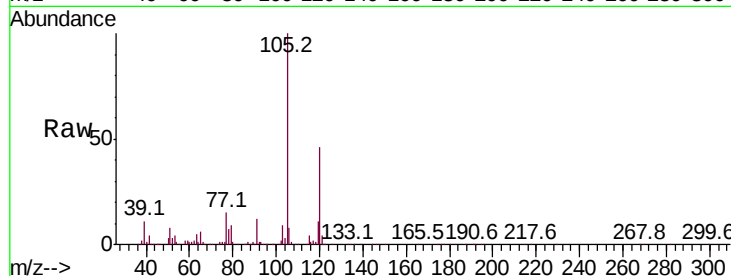
Ion Ratio Lower Upper

105 100

120 46.3 36.9 55.3

Manual Integrations
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2/12/2021 1:41:52 PM



#74

1,2,4-Trimethylbenzene

Concen: 2.120 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Tgt Ion:105 Resp: 952916

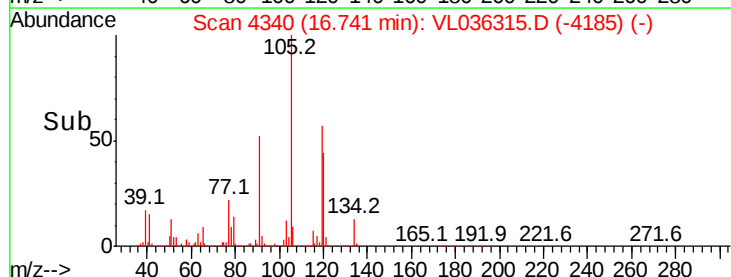
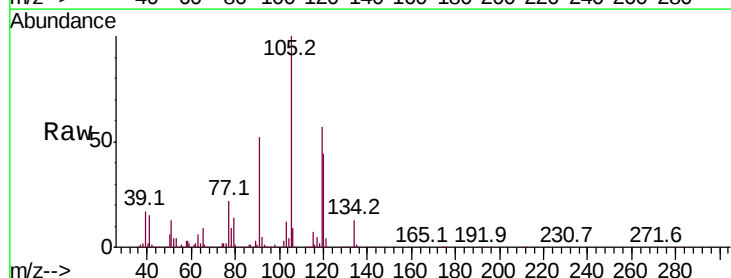
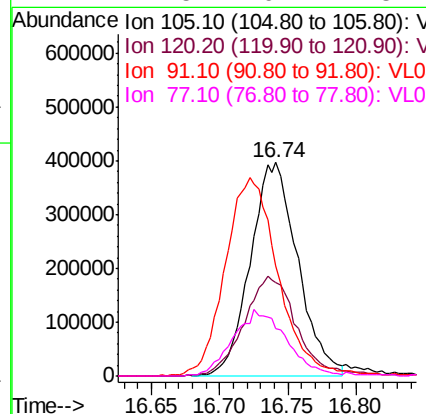
Ion Ratio Lower Upper

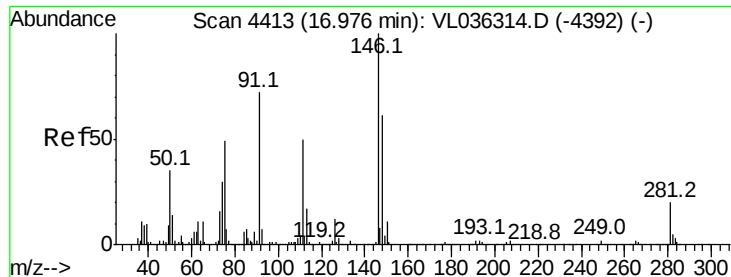
105 100

120 42.9 35.8 53.6

91 49.3 39.8 59.6

77 21.5 19.1 28.7





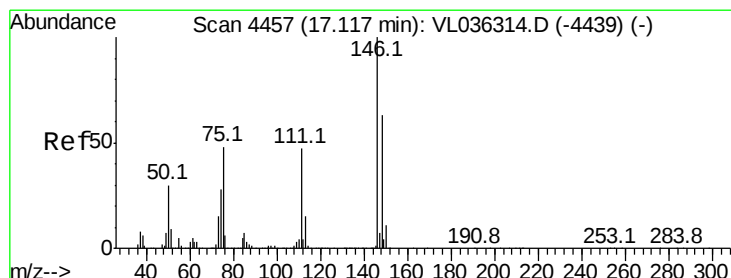
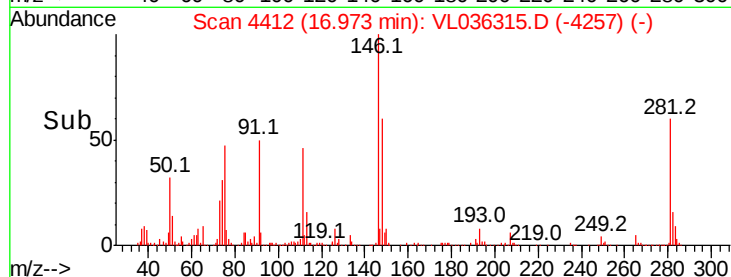
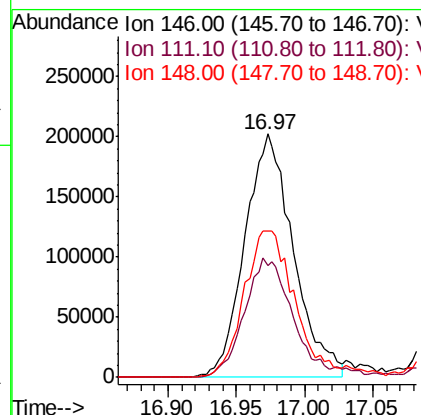
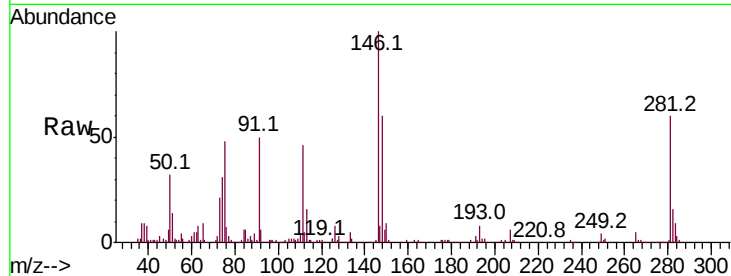
#75
 1,3-Dichlorobenzene
 Concen: 2.063 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.8	24.9	74.6
148	64.9	31.9	95.9

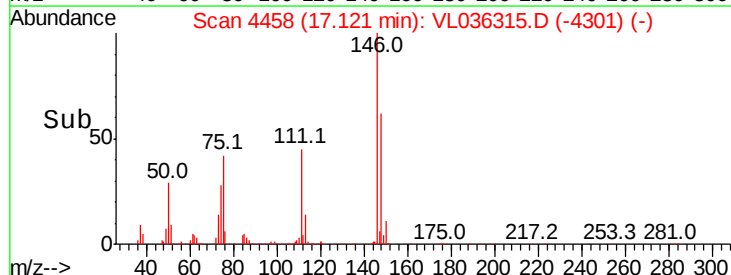
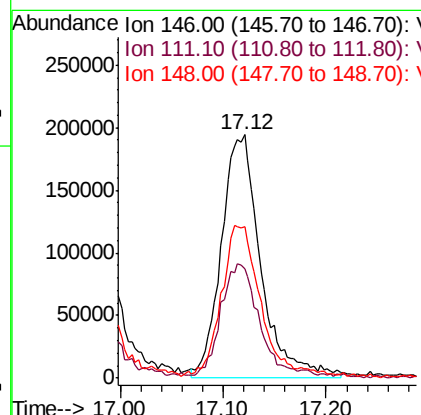
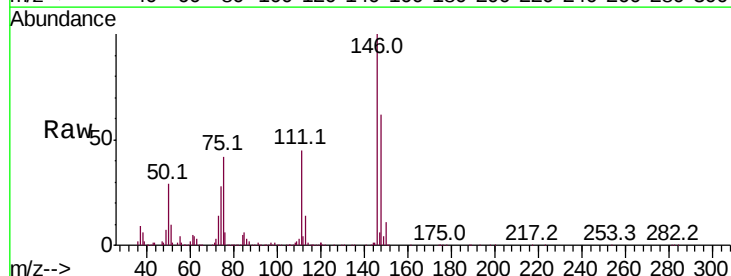
Manual Integrations
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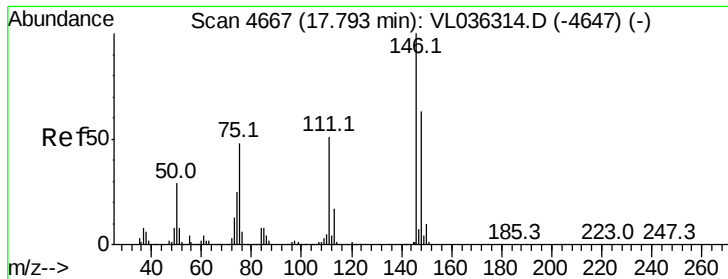
MMDadoda
 2/12/2021 1:41:52 PM



#76
 1,4-Dichlorobenzene
 Concen: 2.174 ppbv m
 RT: 17.12 min Scan# 4458
 Delta R.T. 0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.6	71.0
148	62.9	31.6	95.0





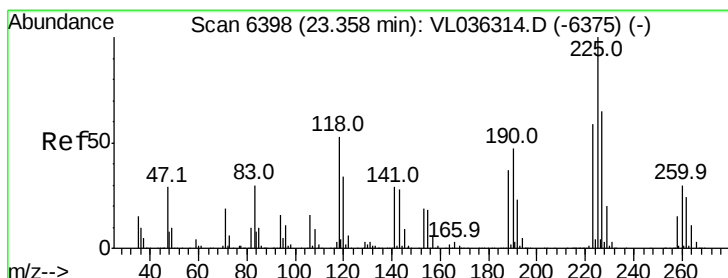
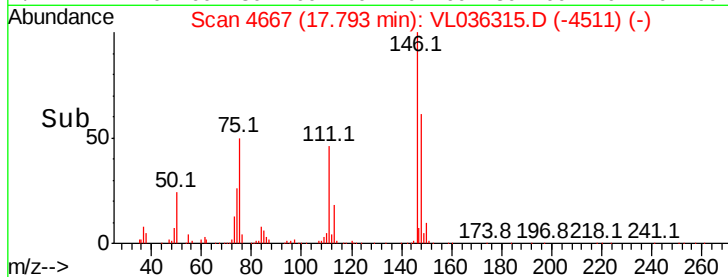
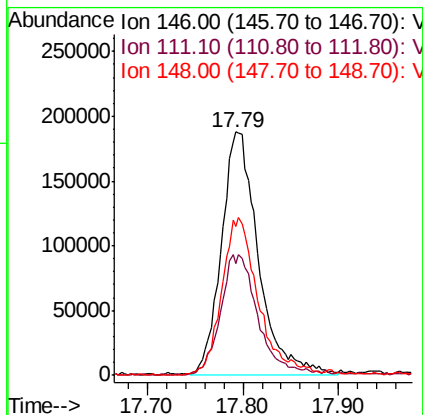
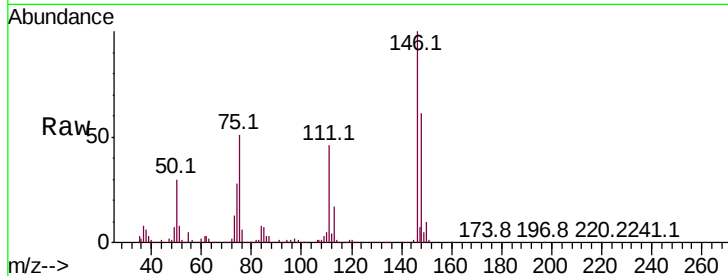
#77
 1,2-Dichlorobenzene
 Concen: 2.149 ppbv m
 RT: 17.79 min Scan# 4667
 Delta R.T. 0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.1	25.9	77.8
148	64.3	32.5	97.4

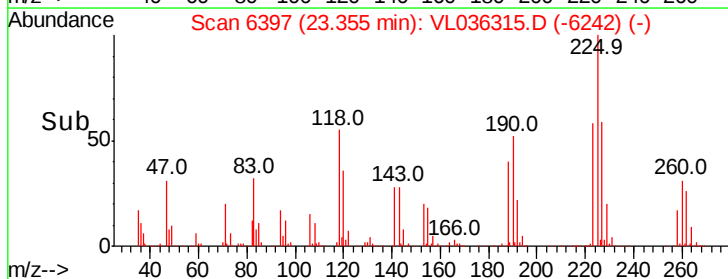
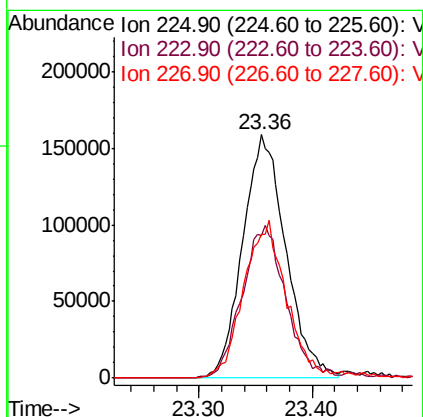
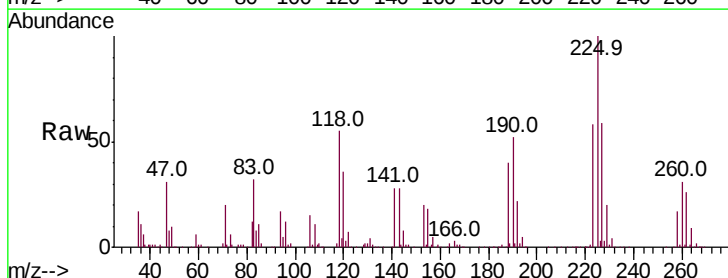
Manual Integrations
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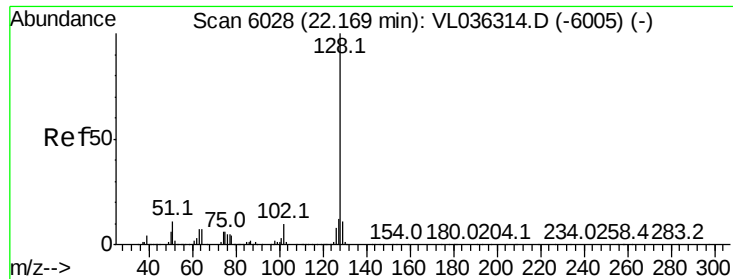
MMDadoda
 2/12/2021 1:41:52 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.235 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. -0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	50.8	76.2
227	65.2	52.2	78.2





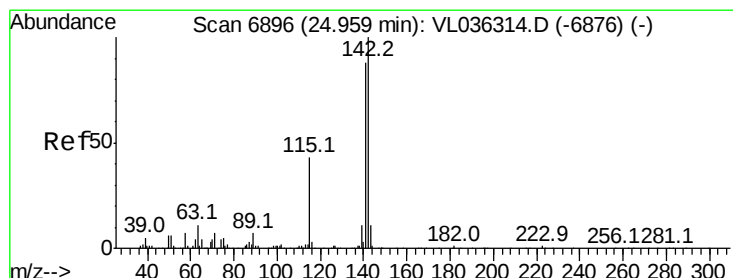
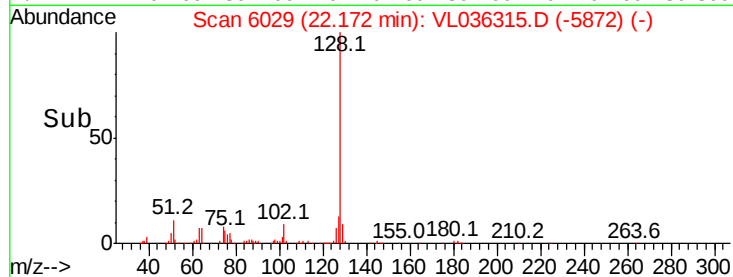
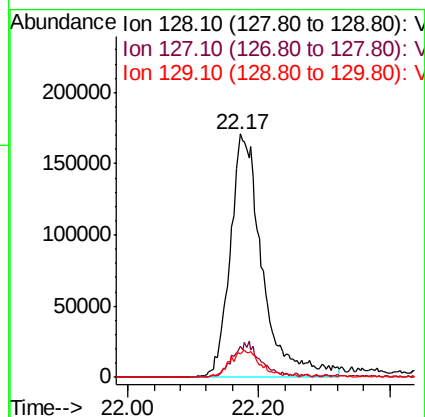
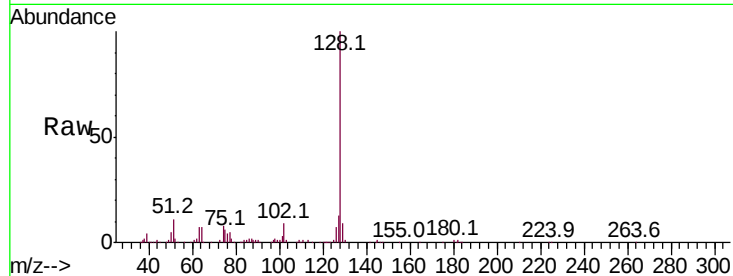
#79
Naphthalene
Concen: 2.220 ppbv m
RT: 22.17 min Scan# 6029
Delta R.T. 0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
128	100	583318		
127	12.6		9.6	14.4
129	9.4		8.5	12.7

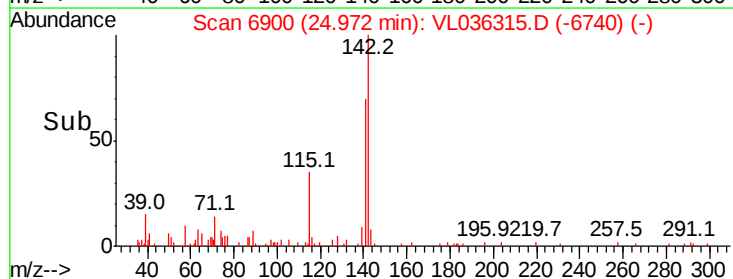
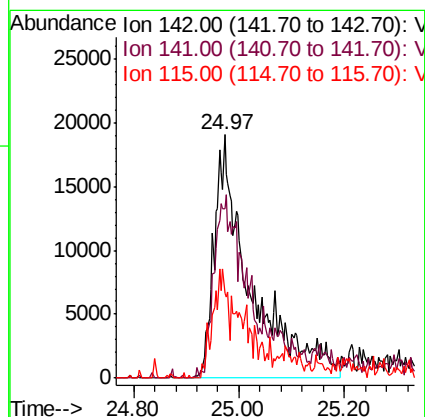
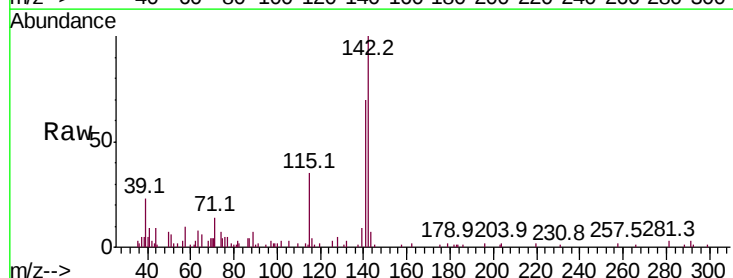
Manual Integrations
APPROVED

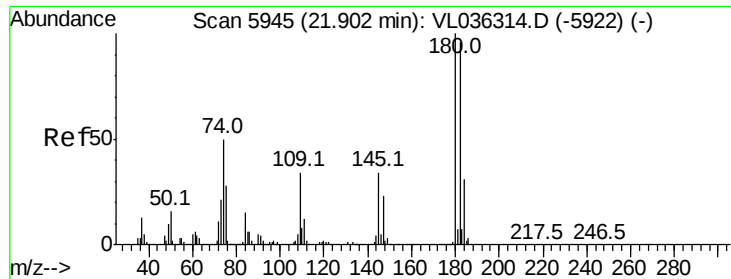
MMDadoda
2/12/2021 1:41:52 PM



#80
Naphthalene, 2-methyl-
Concen: 1.615 ppbv m
RT: 24.97 min Scan# 6900
Delta R.T. 0.01 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	90574		
141	76.1		64.4	96.6
115	32.5		34.6	51.8#





#81
 1,2,4-Trichlorobenzene
 Concen: 2.220 ppbv m
 RT: 21.91 min Scan# 5947
 Delta R.T. 0.01 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
180	100	340645		
182	99.9	80.2	120.4	
184	31.4	25.0	37.6	

Manual Integrations
 APPROVED

MMDadoda
 2/12/2021 1:41:52 PM

