

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036316.D
 Acq On : 10 Feb 2021 12:42
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

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 2/12/2021 1:41:54 PM

Quant Time: Feb 10 13:58:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 13:58:25 2021
 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	1508146	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3344395	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3143752	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2461501	9.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	261860	1.295	ppbv	94
3) Chlorodifluoromethane	2.97	51	207843	1.122	ppbv	97
4) Chloromethane	3.12	50	103268	1.128	ppbv	90
5) Vinyl Chloride	3.24	62	89122	1.029	ppbv	94
6) Bromomethane	3.45	94	53357m	1.102	ppbv	
7) Chloroethane	3.54	64	36784m	1.233	ppbv	
8) Dichlorotetrafluoroethane	3.17	85	234020	1.195	ppbv	100
9) Propene	2.99	41	84460	0.958	ppbv	97
10) Heptane	8.10	43	222801	1.018	ppbv	100
11) Trichlorofluoromethane	3.93	101	249991	1.216	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	157659m	1.265	ppbv	
13) Ethanol	3.59	45	15861m	1.145	ppbv	
14) Bromoethene	3.72	108	61096	1.077	ppbv	98
15) Acetone	3.84	43	220829m	1.196	ppbv	
16) 1,3-Butadiene	3.31	39	93928	1.044	ppbv	100
17) tert-Butyl alcohol	4.28	59	164764m	1.081	ppbv	
18) 1,1-Dichloroethene	4.27	96	69884m	1.210	ppbv	
19) Isopropyl Alcohol	3.95	45	115352m	1.036	ppbv	
20) Methylene Chloride	4.32	84	68202m	1.157	ppbv	
21) Allyl Chloride	4.39	41	112781m	1.122	ppbv	
22) trans-1,2-Dichloroethene	4.87	96	63766	1.195	ppbv	95
23) Vinyl Acetate	5.05	43	236381m	1.056	ppbv	
24) 1,1-Dichloroethane	4.99	63	174934	1.079	ppbv	98
25) Ethyl Acetate	5.66	43	384575	1.037	ppbv	99
26) Hexane	5.67	57	156467	1.013	ppbv	95
27) Carbon Disulfide	4.54	76	143419m	1.162	ppbv	
28) Methyl tert-Butyl Ether	5.02	73	207910m	0.996	ppbv	
29) Chloroform	5.73	83	264494m	1.196	ppbv	
30) Cyclohexane	7.11	84	132315m	1.121	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	153655m	1.041	ppbv	
32) 1,1,1-Trichloroethane	6.48	97	244143m	1.142	ppbv	
34) 2-Butanone	5.23	43	244899m	0.994	ppbv	
35) Carbon Tetrachloride	6.99	117	235995m	1.117	ppbv	
36) Benzene	6.87	78	314556	1.026	ppbv	# 93
37) 1,2-Dichloroethane	6.28	62	186420	1.011	ppbv	98
38) Trichloroethene	7.81	130	108176	0.953	ppbv	94
39) 1,2-Dichloropropane	7.59	63	126864	1.020	ppbv	97
40) 1,4-Dioxane	7.84	88	44154m	0.981	ppbv	
41) Tetrahydrofuran	6.04	42	131724m	0.925	ppbv	
42) Bromodichloromethane	7.76	83	254461	1.098	ppbv	94
43) Methyl Methacrylate	7.99	69	123688m	0.950	ppbv	

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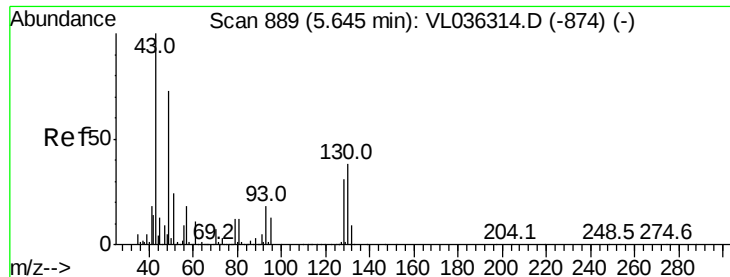
Manual Integrations
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Quant Time: Feb 10 13:58:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 13:58:25 2021
 QLast Update : Wed Feb 10 13:51:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	592972	1.054	ppbv	100
45) t-1,3-Dichloropropene	9.25	75	112073m	0.906	ppbv	
46) cis-1,3-Dichloropropene	8.68	75	143593	0.903	ppbv	89
47) 1,1,2-Trichloroethane	9.46	97	132995m	1.117	ppbv	
48) Dibromochloromethane	10.28	129	186083m	1.069	ppbv	
49) Bromoform	13.02	173	147508m	1.015	ppbv	
50) 4-Methyl-2-Pentanone	8.73	43	359795m	0.980	ppbv	
51) 2-Hexanone	10.13	43	266199m	0.919	ppbv	
52) Tetrachloroethene	11.20	164	108901	0.964	ppbv #	86
53) Toluene	9.78	91	332372	0.970	ppbv	99
54) 1,2-Dibromoethane	10.59	107	184809m	1.047	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.10	131	157405	1.122	ppbv #	1
57) Chlorobenzene	12.12	112	272037m	1.103	ppbv	
58) Ethyl Benzene	12.69	91	475389m	1.019	ppbv	
59) m/p-Xylene	12.97	91	851148m	2.123	ppbv	
60) o-Xylene	13.67	91	414970	1.074	ppbv	100
61) Styrene	13.51	104	226304	0.927	ppbv	99
62) Isopropylbenzene	14.65	105	620500	1.080	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.65	83	299214	1.040	ppbv	97
64) n-propylbenzene	15.54	120	145999	1.034	ppbv	80
65) tert-Butylbenzene	16.73	119	546645	1.123	ppbv	98
66) Benzyl Chloride	16.97	91	115792m	0.931	ppbv	
67) sec-Butylbenzene	17.27	105	760414	1.052	ppbv	99
69) p-Isopropyltoluene	17.63	119	569845	0.994	ppbv	97
70) n-Butylbenzene	18.53	91	625463	1.024	ppbv	98
71) 2-Chlorotoluene	15.43	91	457906	1.014	ppbv	100
72) 4-Ethyltoluene	15.82	105	447424m	1.026	ppbv	
73) 1,3,5-Trimethylbenzene	15.98	105	443015m	1.066	ppbv	
74) 1,2,4-Trimethylbenzene	16.73	105	454099	1.065	ppbv #	88
75) 1,3-Dichlorobenzene	16.97	146	232085	1.015	ppbv	96
76) 1,4-Dichlorobenzene	17.11	146	246692m	1.092	ppbv	
77) 1,2-Dichlorobenzene	17.79	146	244629m	1.095	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	210896m	1.181	ppbv	
79) Naphthalene	22.18	128	222337m	0.892	ppbv	
80) Naphthalene, 2-methyl-	25.01	142	30633m	0.576	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	155830m	1.071	ppbv	

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



#1

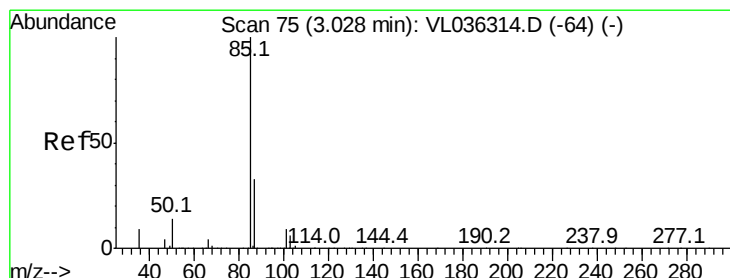
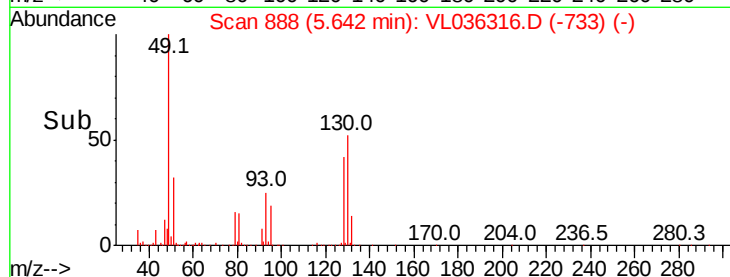
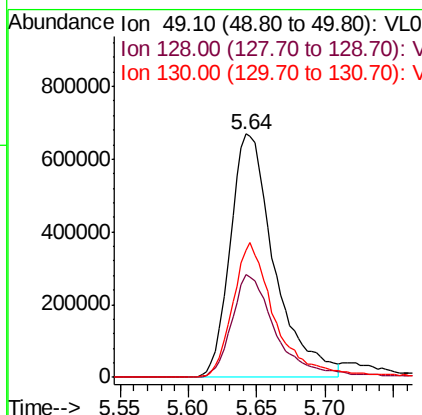
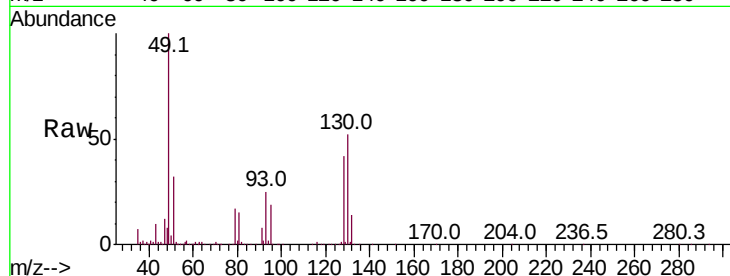
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
49	100		
128	42.3	20.8	62.5
130	54.2	26.7	80.1

Manual Integrations
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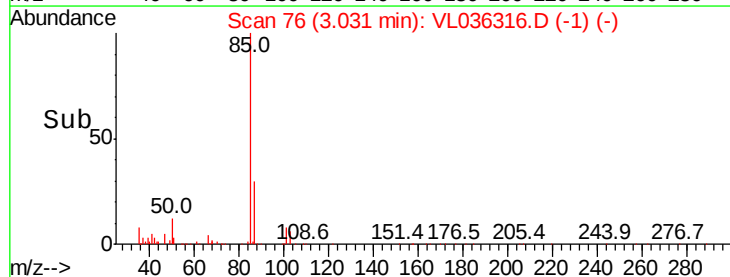
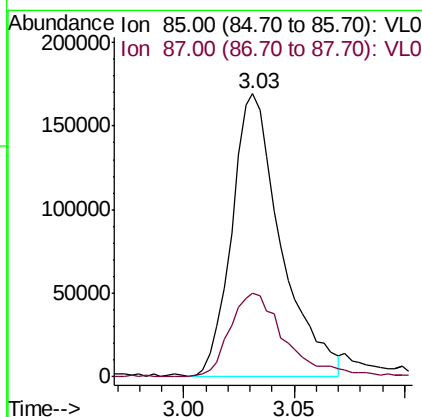
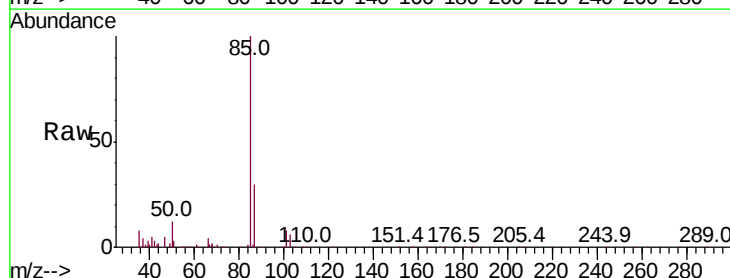
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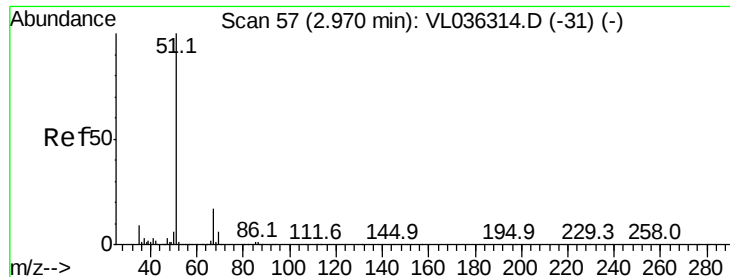


#2

Dichlorodifluoromethane
Concen: 1.295 ppbv
RT: 3.03 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.6	26.5	39.7





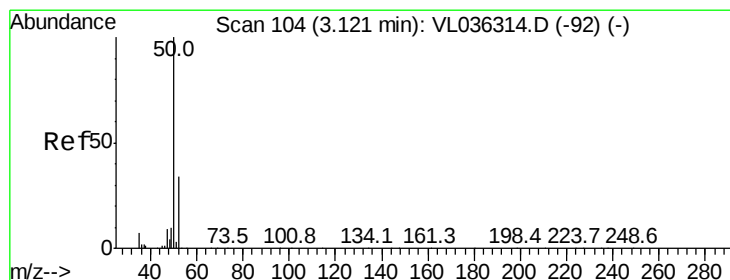
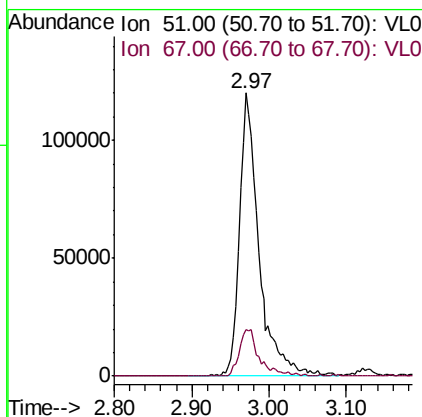
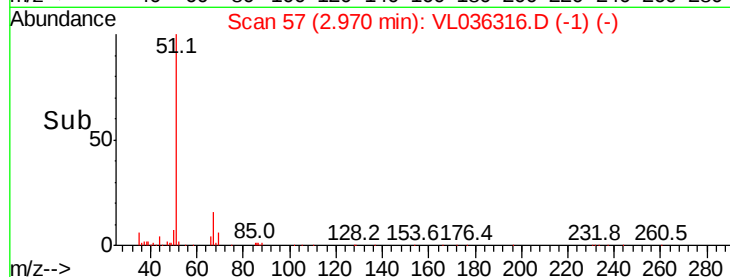
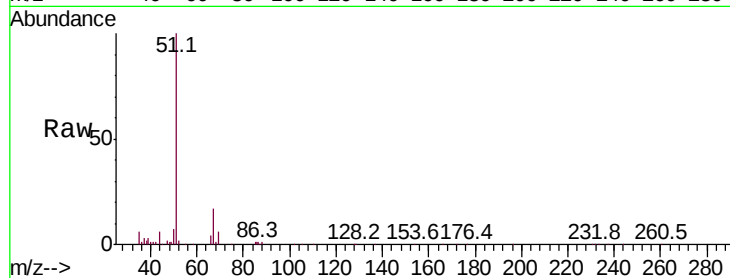
#3
Chlorodifluoromethane
Concen: 1.122 ppbv
RT: 2.97 min Scan# 57
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
51	100		
67	17.2	14.7	22.1

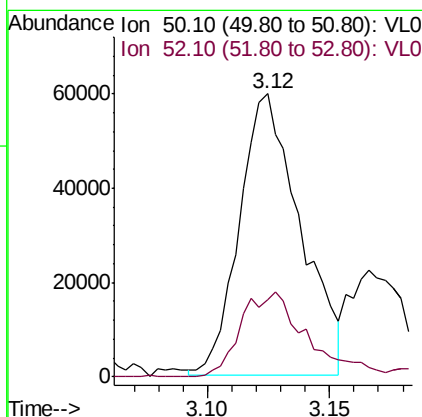
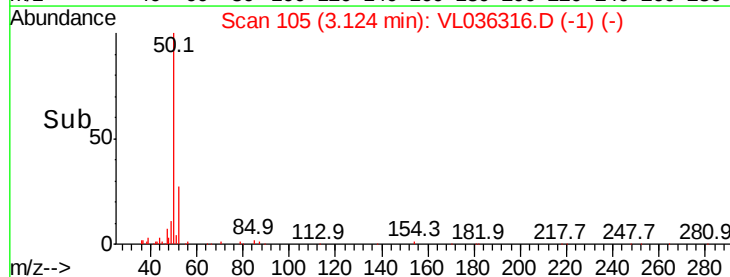
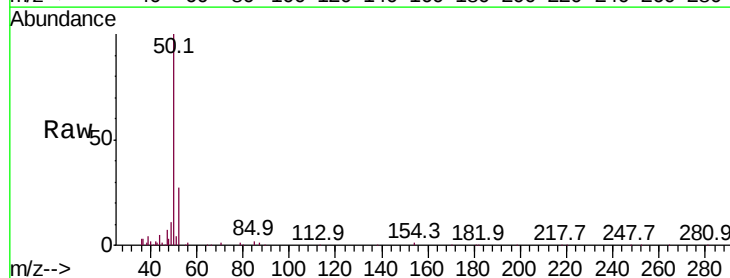
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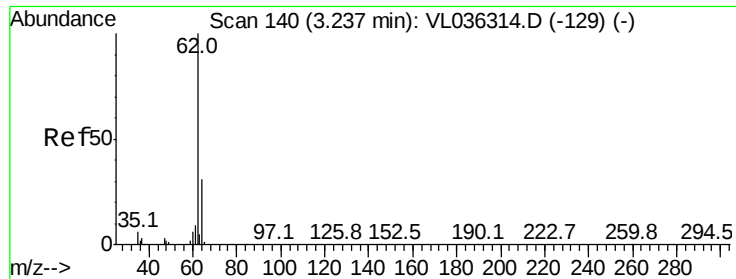
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#4
Chloromethane
Concen: 1.128 ppbv
RT: 3.12 min Scan# 105
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Lower	Upper
50	100		
52	28.0	27.0	40.4





#5

Vinyl Chloride

Concen: 1.029 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 89122

Ion Ratio Lower Upper

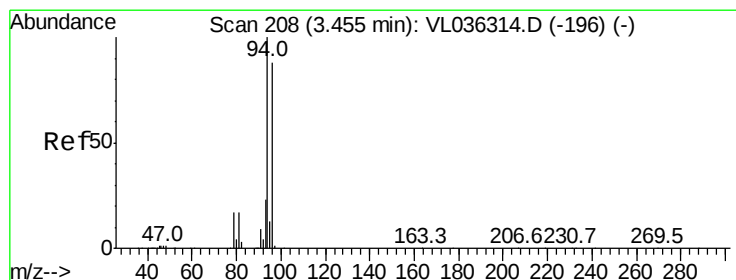
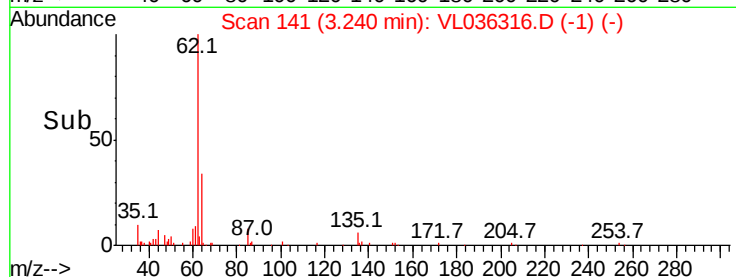
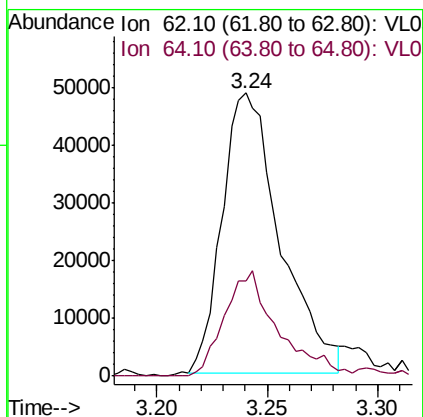
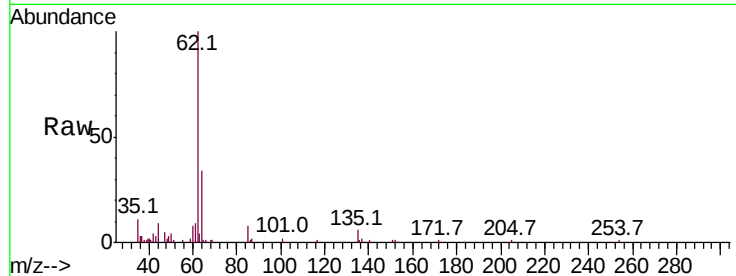
62 100

64 34.0 24.4 36.6

Manual Integrations
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#6

Bromomethane

Concen: 1.102 ppbv m

RT: 3.45 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL036316.D

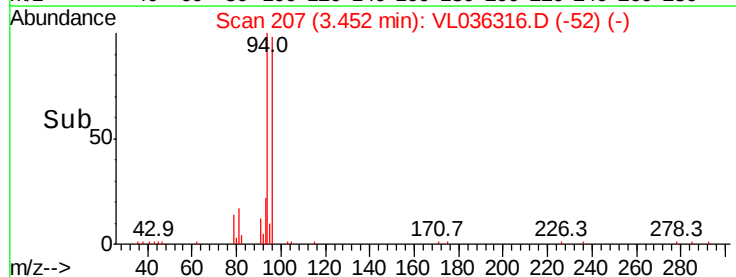
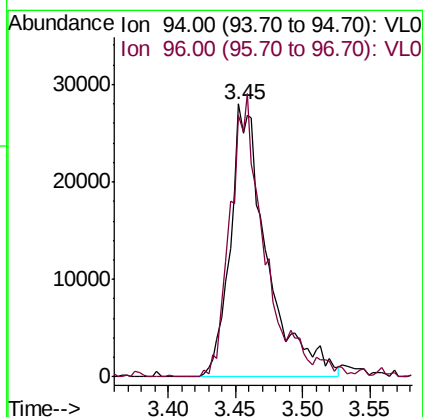
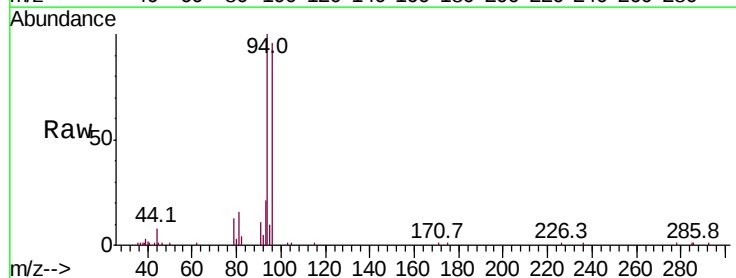
Acq: 10 Feb 2021 12:42

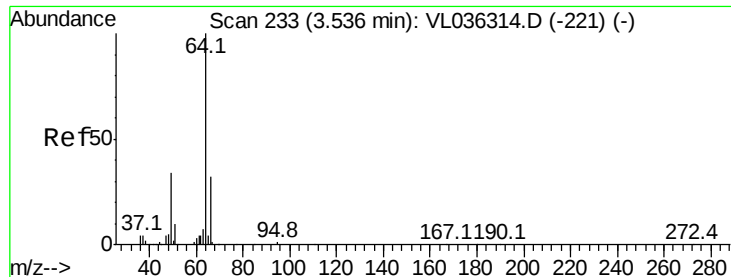
Tgt Ion: 94 Resp: 53357

Ion Ratio Lower Upper

94 100

96 96.1 70.8 106.2





#7

Chloroethane

Concen: 1.233 ppbv m

RT: 3.54 min Scan# 235

Delta R.T. 0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 36784

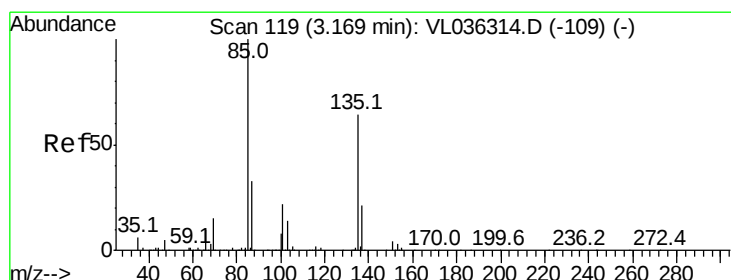
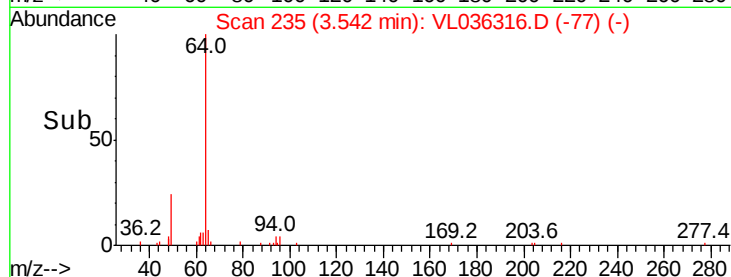
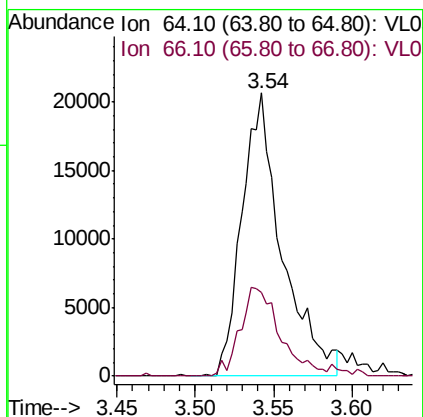
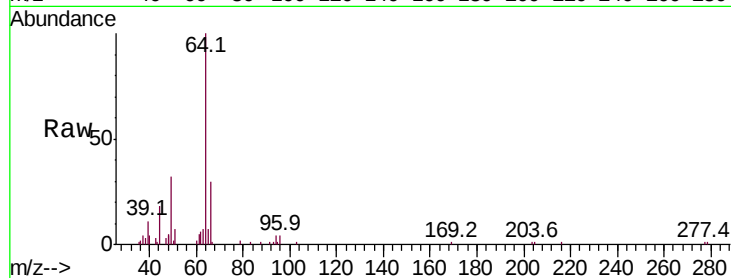
Ion Ratio Lower Upper

64 100

66 29.6 25.6 38.4

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 1.195 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.00 min

Lab File: VL036316.D

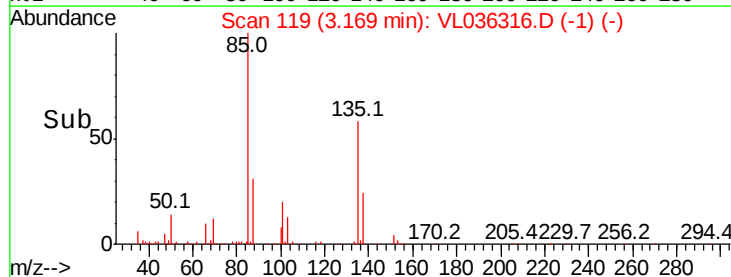
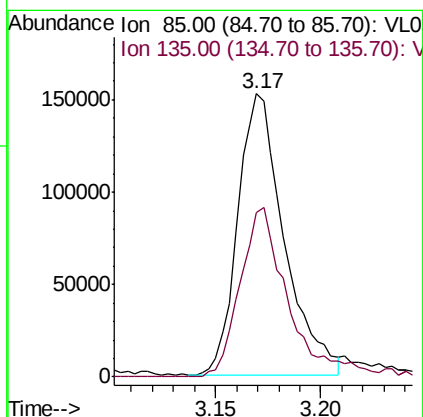
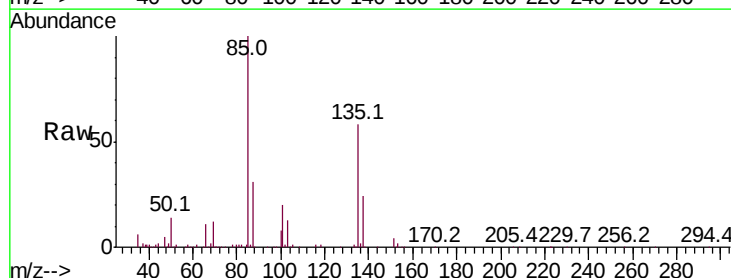
Acq: 10 Feb 2021 12:42

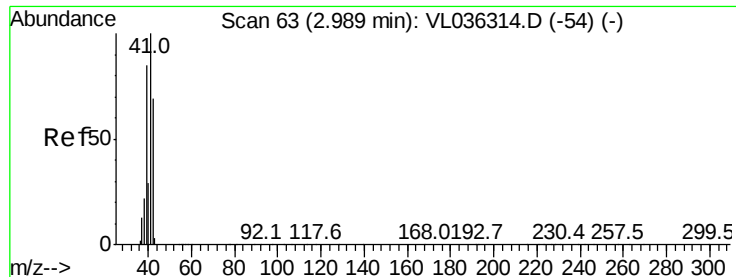
Tgt Ion: 85 Resp: 234020

Ion Ratio Lower Upper

85 100

135 64.2 51.1 76.7





#9

Propene

Concen: 0.958 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 84460

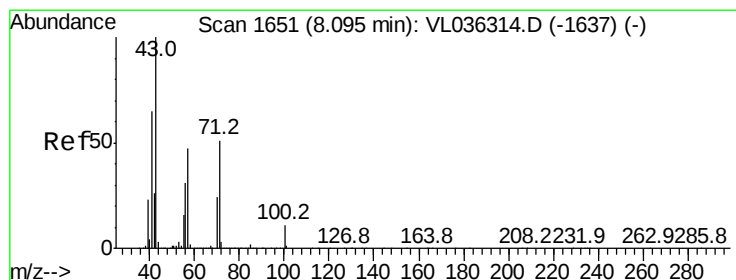
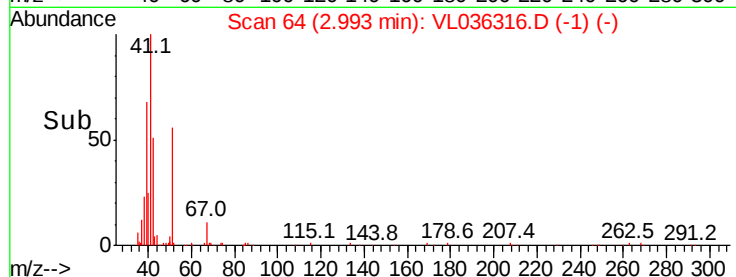
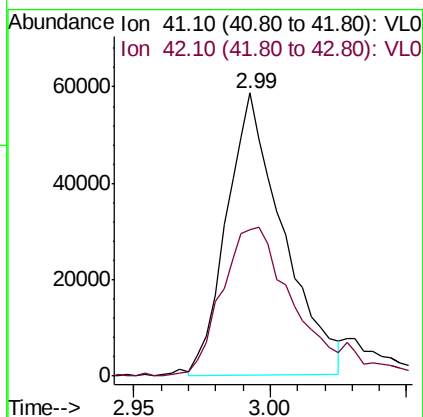
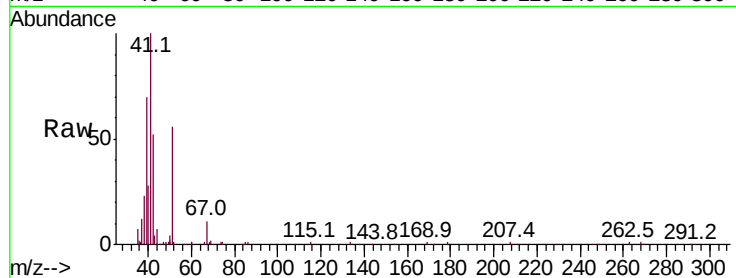
Ion Ratio Lower Upper

41 100

42 72.5 56.2 84.2

Manual Integrations
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#10

Heptane

Concen: 1.018 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VL036316.D

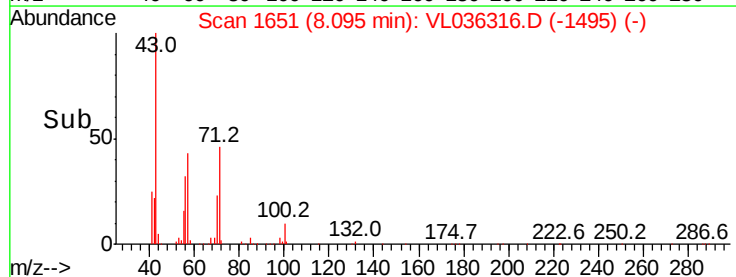
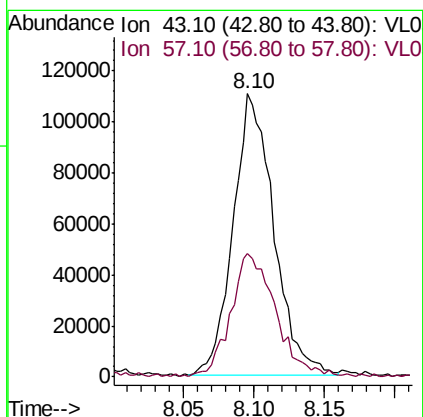
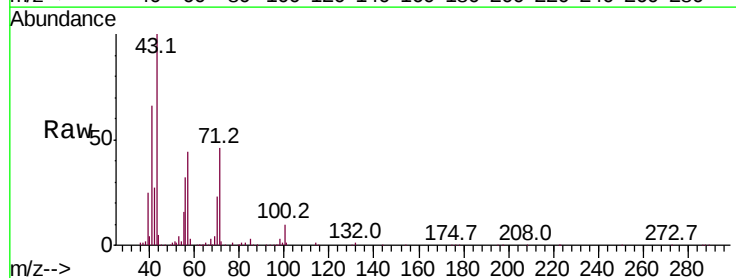
Acq: 10 Feb 2021 12:42

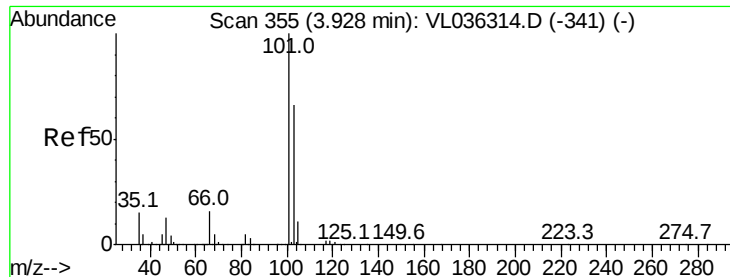
Tgt Ion: 43 Resp: 222801

Ion Ratio Lower Upper

43 100

57 49.3 39.4 59.2





#11

Trichlorofluoromethane

Concen: 1.216 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 249991

Ion Ratio Lower Upper

101 100

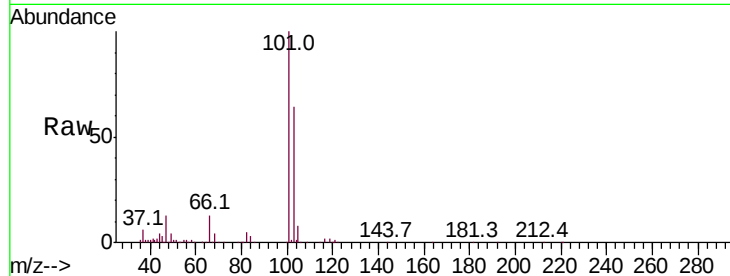
103 63.8 52.9 79.3

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

150000

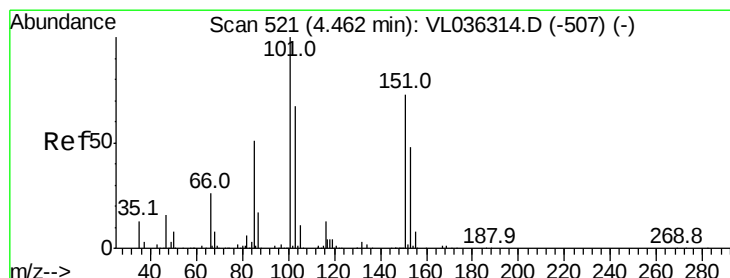
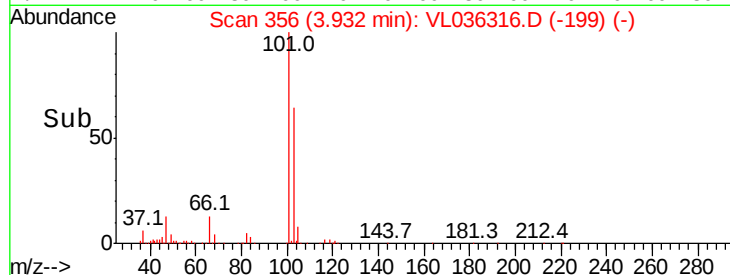
100000

50000

0

3.85 3.90 3.95 4.00

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.265 ppbv m

RT: 4.47 min Scan# 523

Delta R.T. 0.01 min

Lab File: VL036316.D

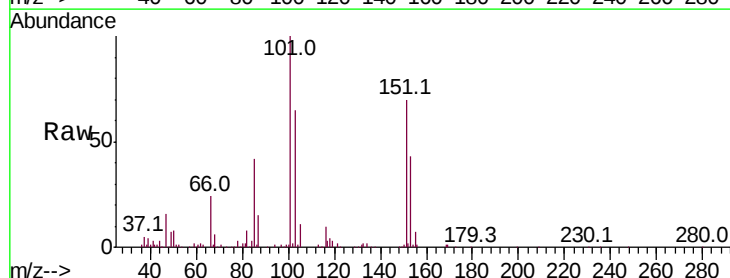
Acq: 10 Feb 2021 12:42

Tgt Ion:101 Resp: 157659

Ion Ratio Lower Upper

101 100

151 72.3 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

80000

60000

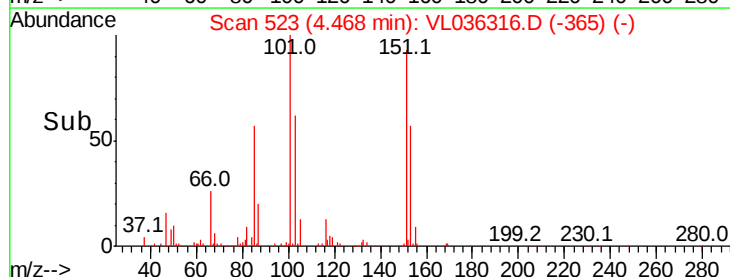
40000

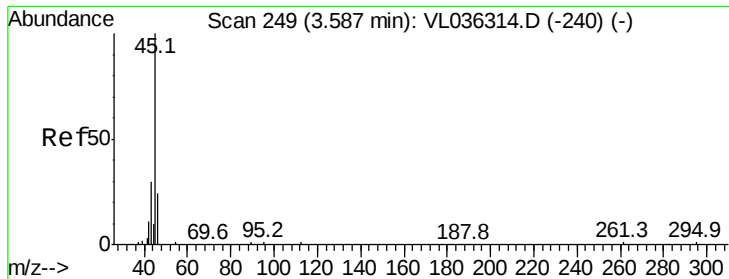
20000

0

4.40 4.45 4.50

Time-->





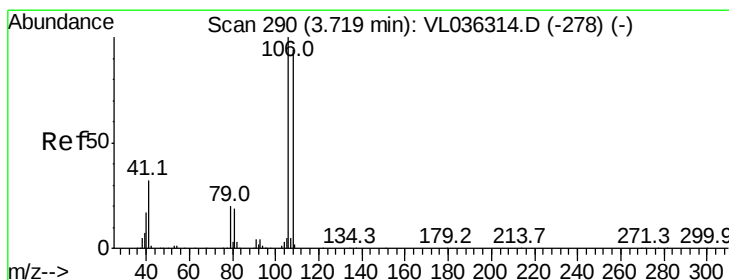
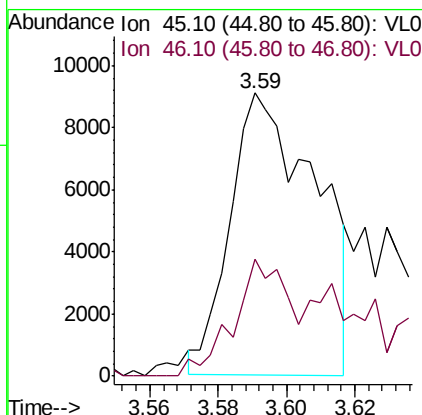
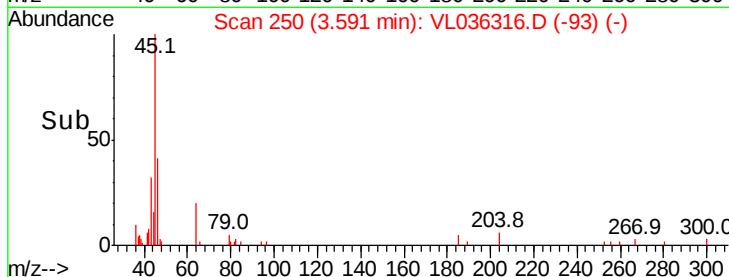
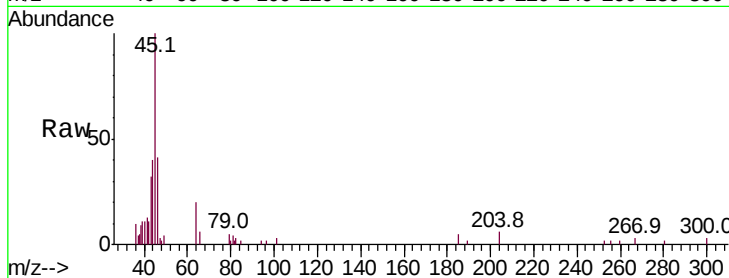
#13
Ethanol
Concen: 1.145 ppbv m
RT: 3.59 min Scan# 250
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 15861
Ion Ratio Lower Upper
45 100
46 68.7 17.7 70.7

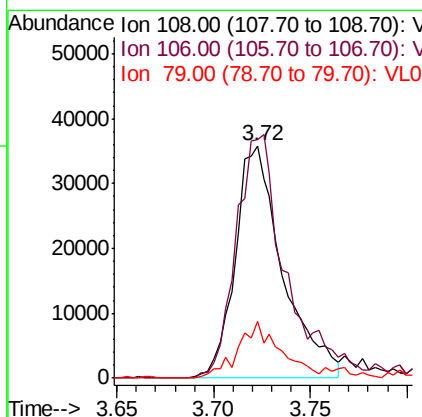
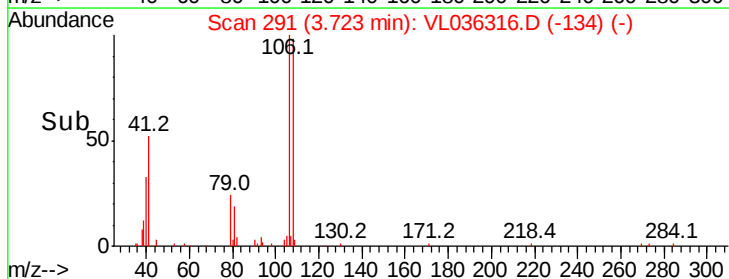
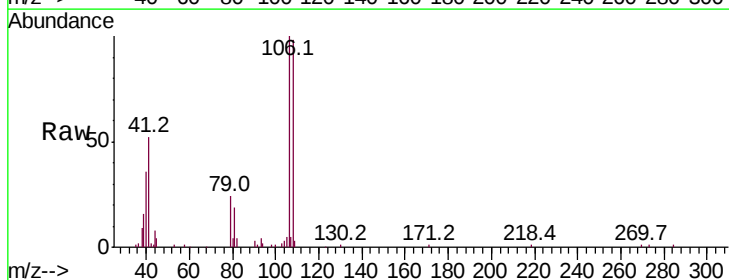
Manual Integrations
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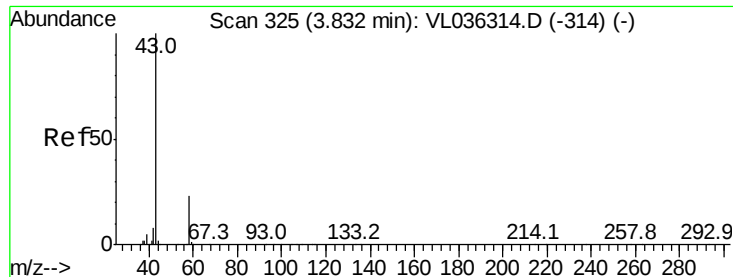
MMDadoda
2/12/2021 1:41:54 PM



#14
Bromoethene
Concen: 1.077 ppbv
RT: 3.72 min Scan# 291
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion: 108 Resp: 61096
Ion Ratio Lower Upper
108 100
106 111.2 89.8 134.8
79 24.2 17.1 25.7





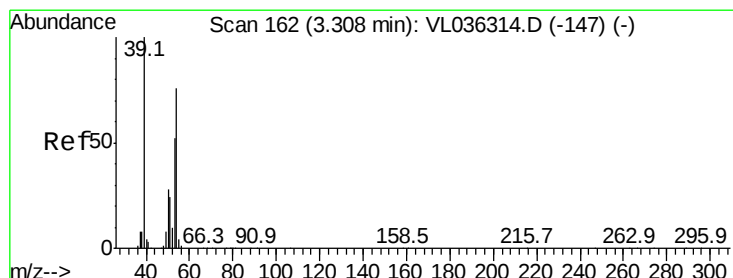
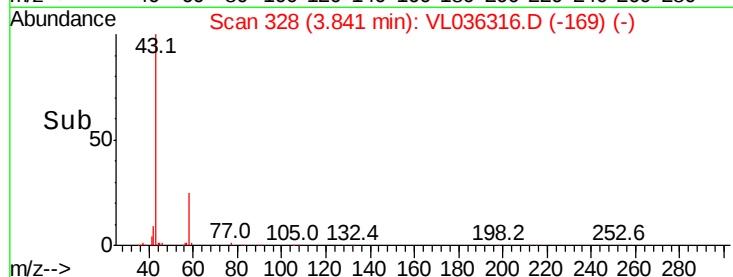
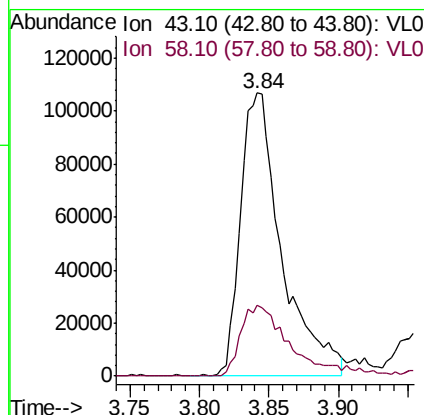
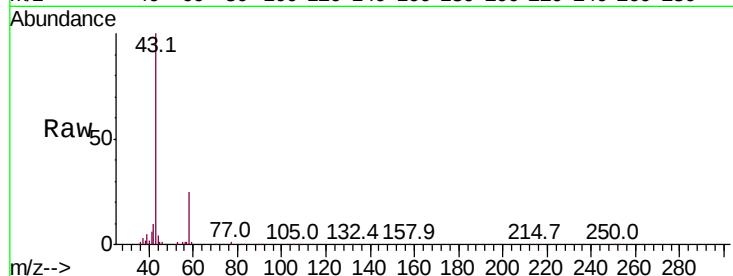
#15
Acetone
Concen: 1.196 ppbv m
RT: 3.84 min Scan# 328
Delta R.T. 0.01 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 220829
Ion Ratio Lower Upper
43 100
58 30.5 20.3 30.5#

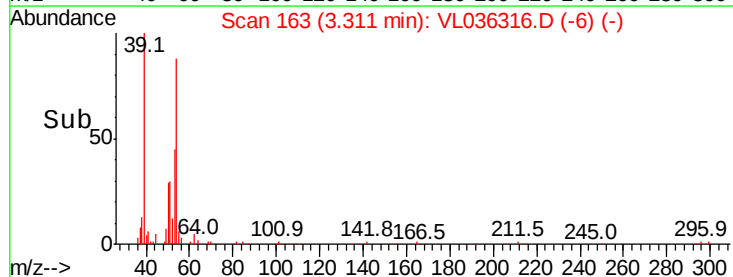
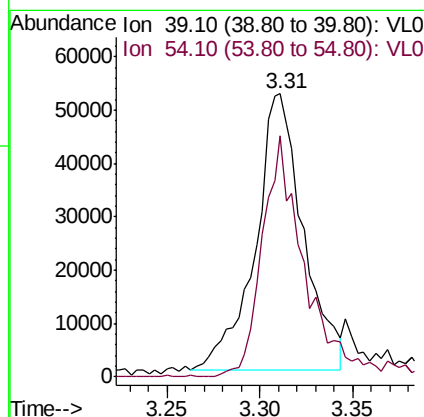
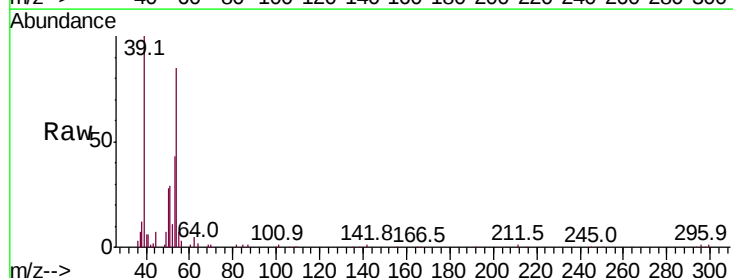
Manual Integrations
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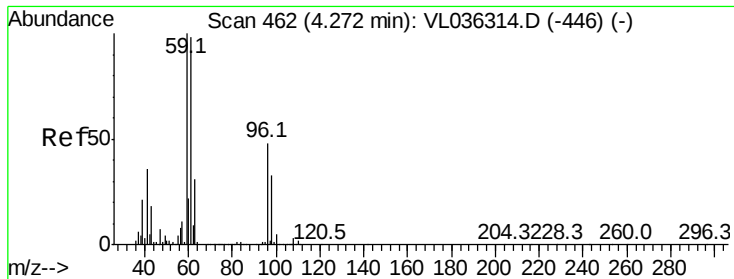
MMDadoda
2/12/2021 1:41:54 PM



#16
1,3-Butadiene
Concen: 1.044 ppbv
RT: 3.31 min Scan# 163
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion: 39 Resp: 93928
Ion Ratio Lower Upper
39 100
54 80.7 64.4 96.6





#17

tert-Butyl alcohol

Concen: 1.081 ppbv m

RT: 4.28 min Scan# 464

Delta R.T. 0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 59 Resp: 164764

Ion Ratio Lower Upper

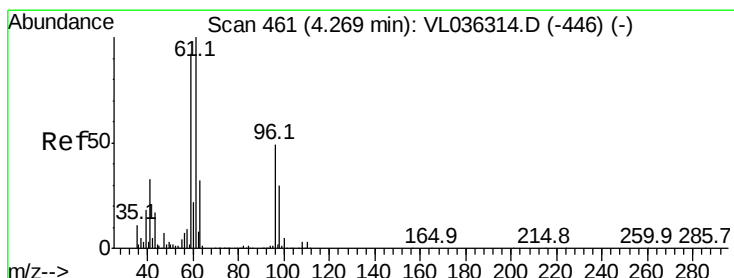
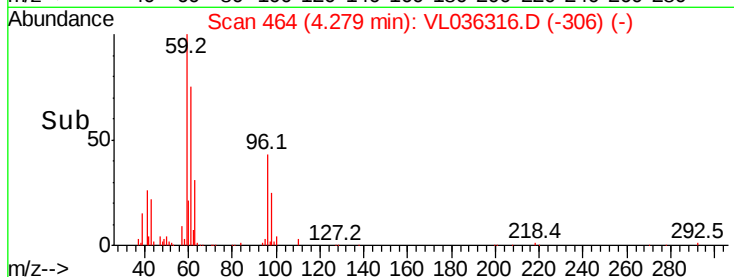
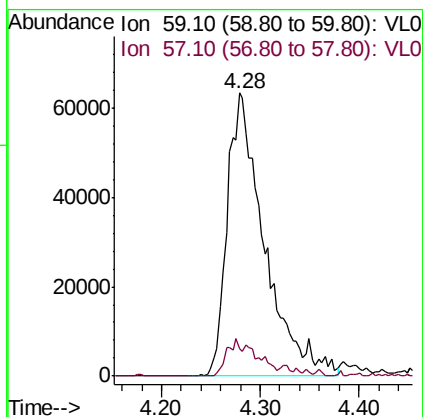
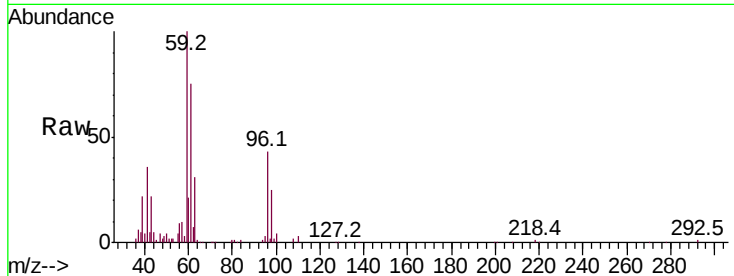
59 100

57 0.0 9.0 13.4#

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#18

1,1-Dichloroethene

Concen: 1.210 ppbv m

RT: 4.27 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

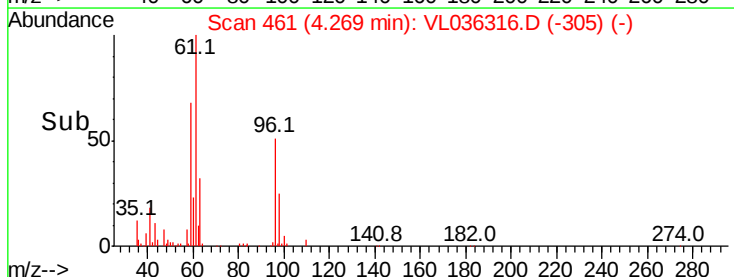
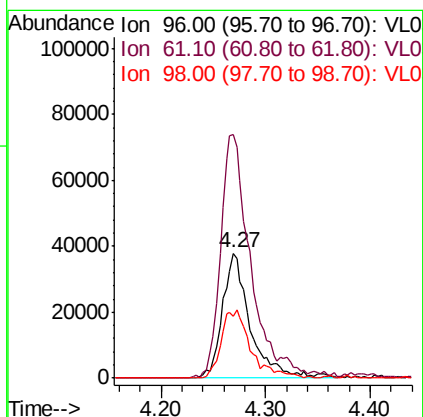
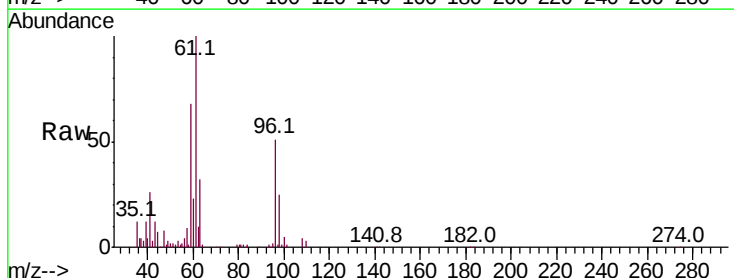
Tgt Ion: 96 Resp: 69884

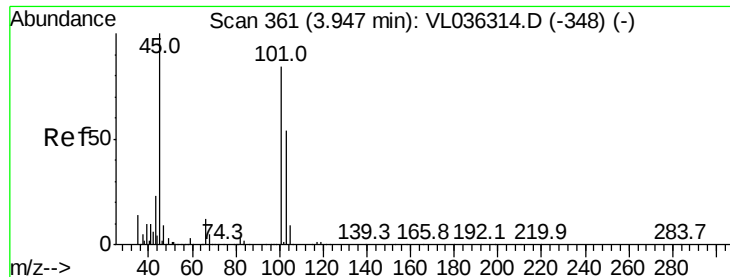
Ion Ratio Lower Upper

96 100

61 194.5 162.5 243.7

98 49.6 48.5 72.7





#19

Isopropyl Alcohol

Concen: 1.036 ppbv m

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 115352

Ion Ratio Lower Upper

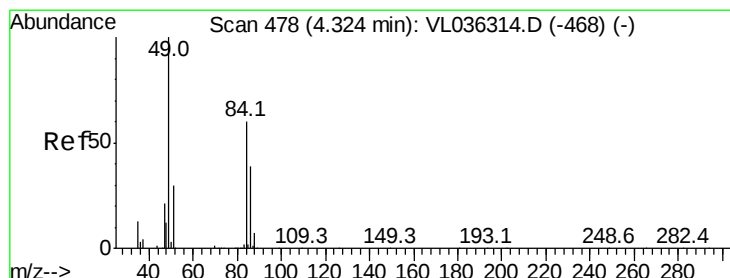
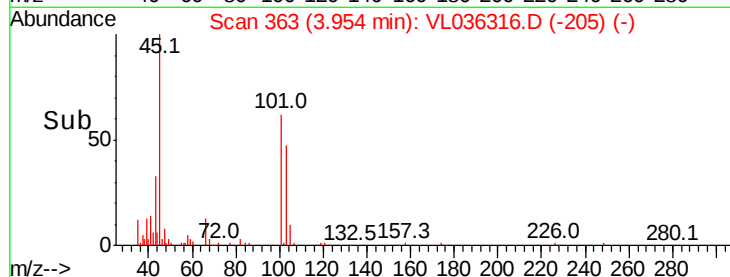
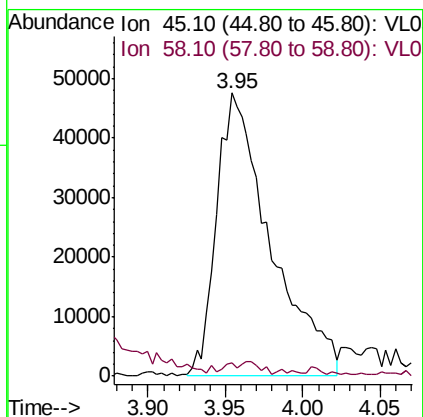
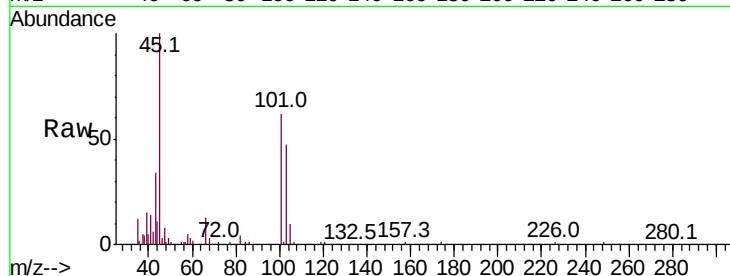
45 100

58 5.3 1.9 2.9#

Manual Integrations
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#20

Methylene Chloride

Concen: 1.157 ppbv m

RT: 4.32 min Scan# 478

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Tgt Ion: 84 Resp: 68202

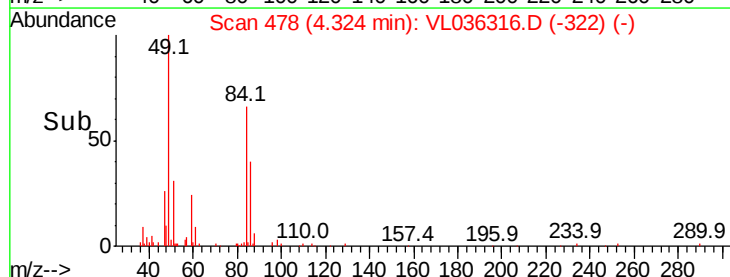
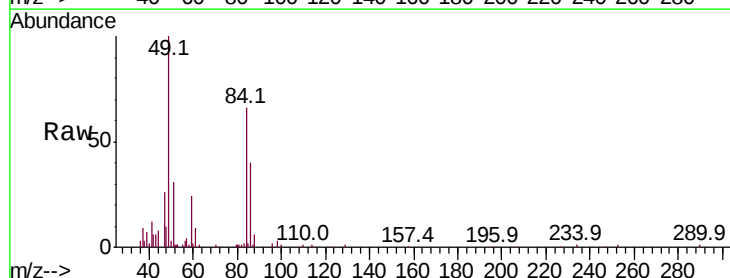
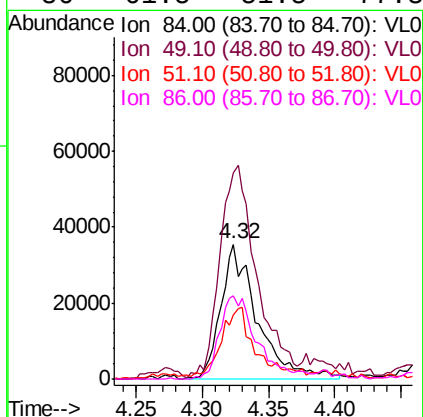
Ion Ratio Lower Upper

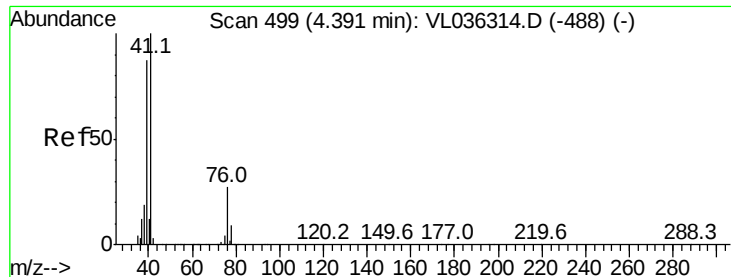
84 100

49 152.7 133.8 200.8

51 47.5 41.4 62.0

86 61.5 51.5 77.3





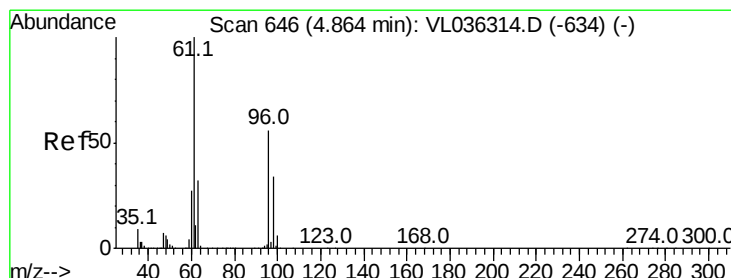
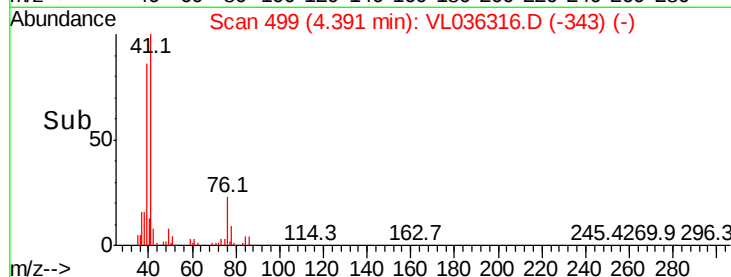
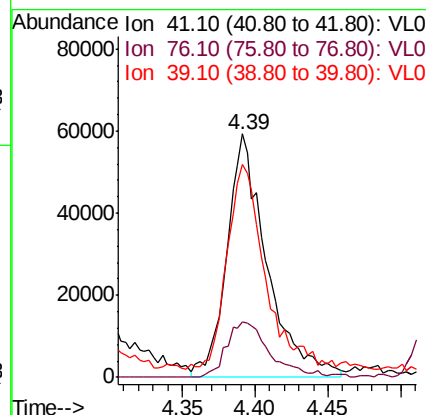
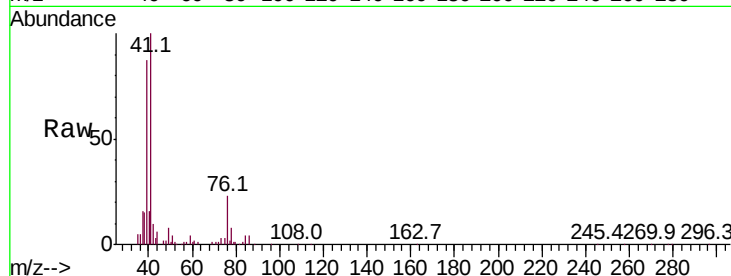
#21
Allvl Chloride
Concen: 1.122 ppbv m
RT: 4.39 min Scan# 499
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	25.2	22.0	33.0
39	92.2	70.2	105.2

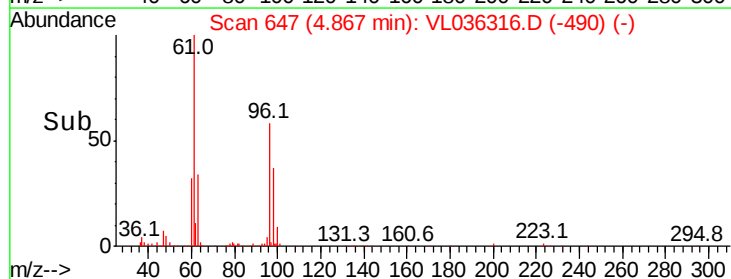
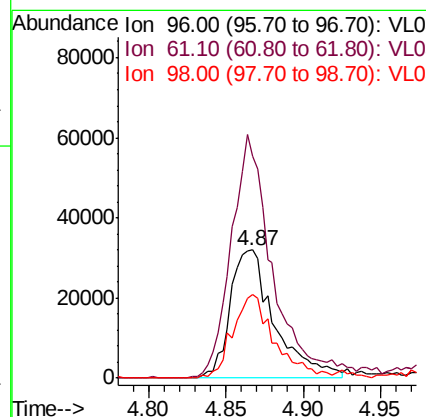
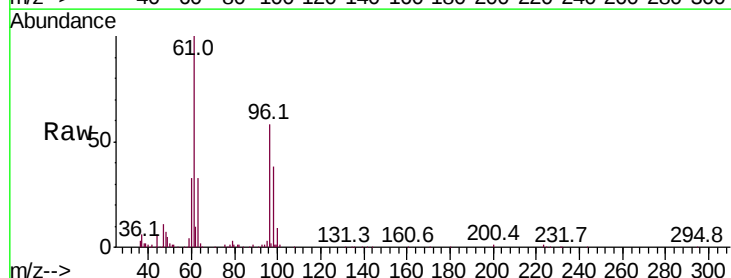
Manual Integrations
APPROVED

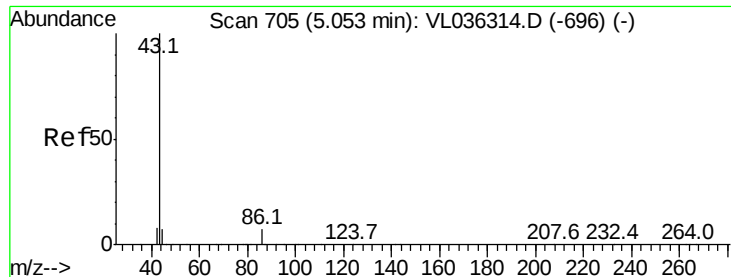
MMDadoda
2/12/2021 1:41:54 PM



#22
trans-1,2-Dichloroethene
Concen: 1.195 ppbv
RT: 4.87 min Scan# 647
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.4	143.7	215.5
98	65.7	48.5	72.7





#23

Vinyl Acetate

Concen: 1.056 ppbv m

RT: 5.05 min Scan# 704

Delta R.T. -0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

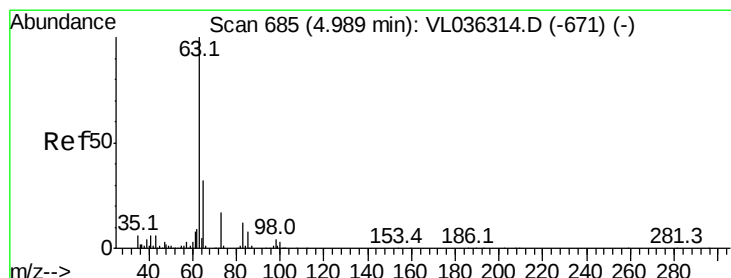
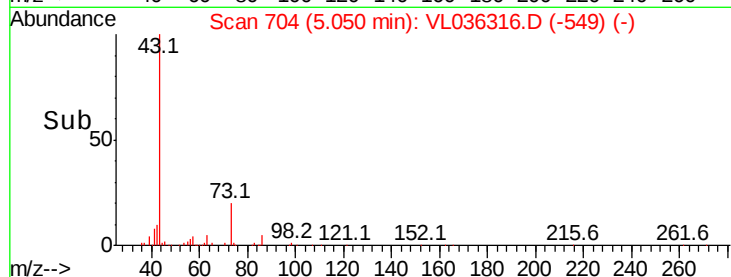
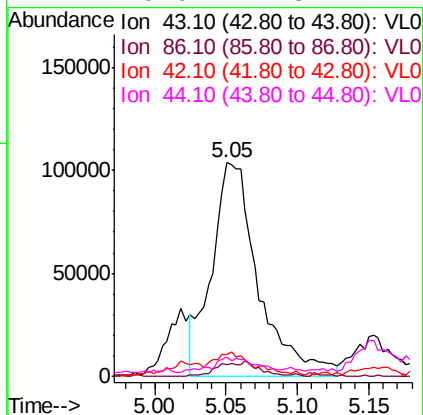
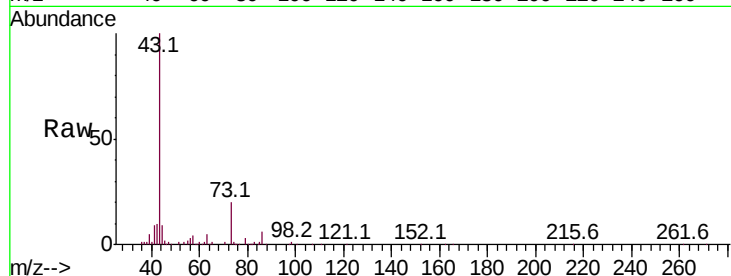
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
86	5.5	4.8	7.2
42	10.4	7.4	11.0
44	9.0	4.8	7.2

Manual Integrations
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2/12/2021 1:41:54 PM



#24

1,1-Dichloroethane

Concen: 1.079 ppbv

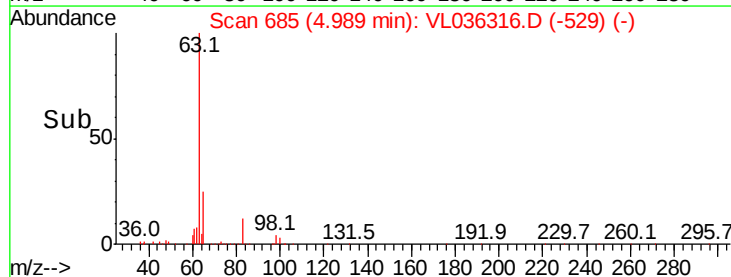
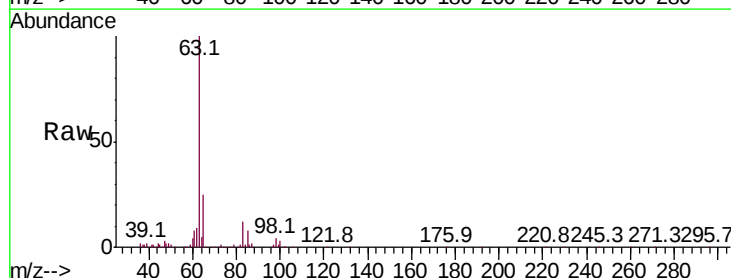
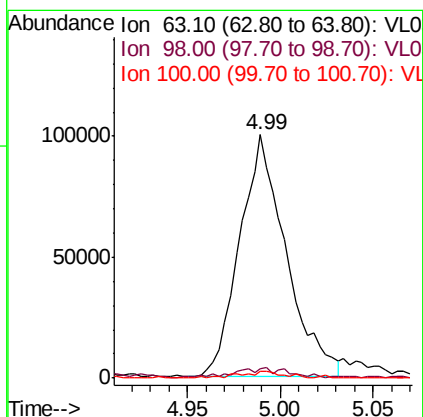
RT: 4.99 min Scan# 685

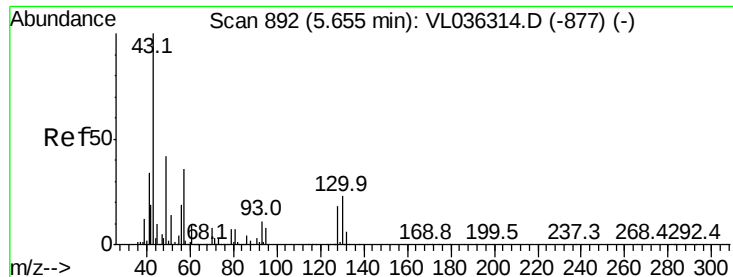
Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.1	2.0	6.0
100	2.9	1.5	4.4





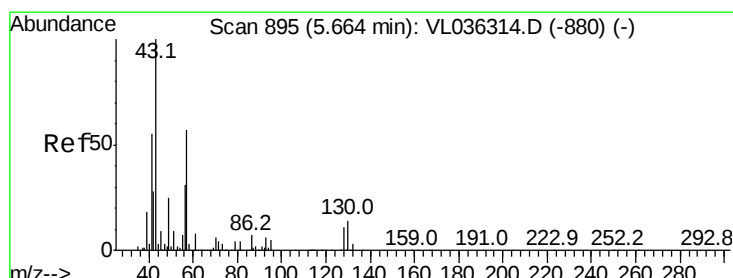
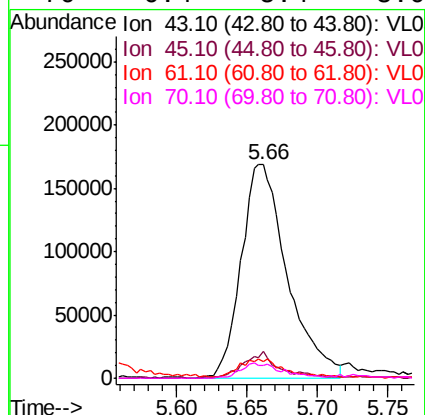
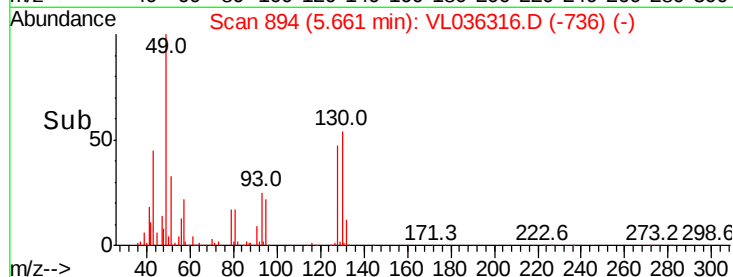
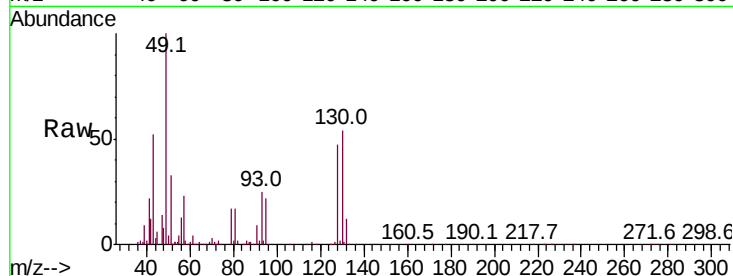
#25
Ethyl Acetate
Concen: 1.037 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.01 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.9	7.3	10.9
70	6.4	5.4	8.0

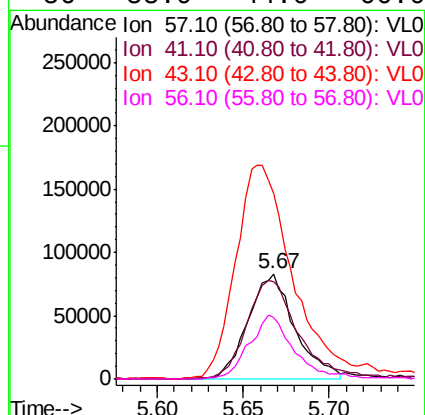
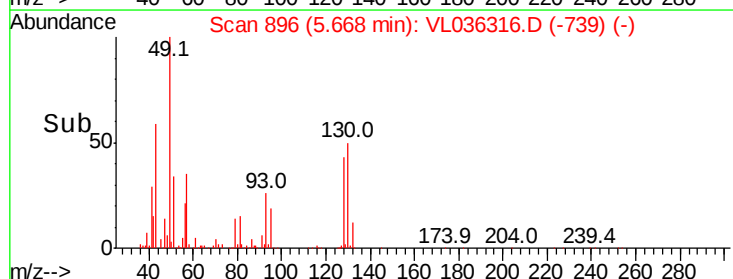
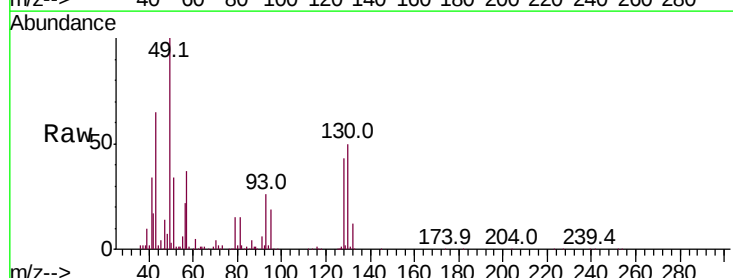
Manual Integrations
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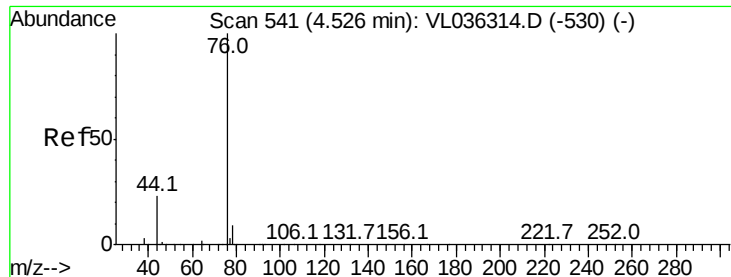
MMDadoda
2/12/2021 1:41:54 PM



#26
Hexane
Concen: 1.013 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Lower	Upper
57	100		
41	104.6	81.7	122.5
43	258.9	199.1	298.7
56	58.9	44.0	66.0





#27

Carbon Disulfide

Concen: 1.162 ppbv m

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL036316.D

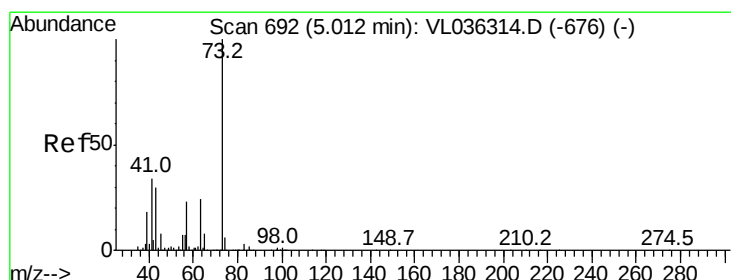
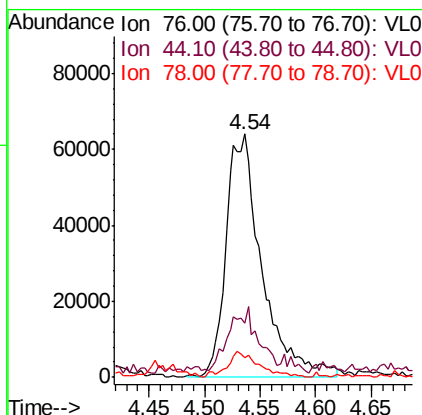
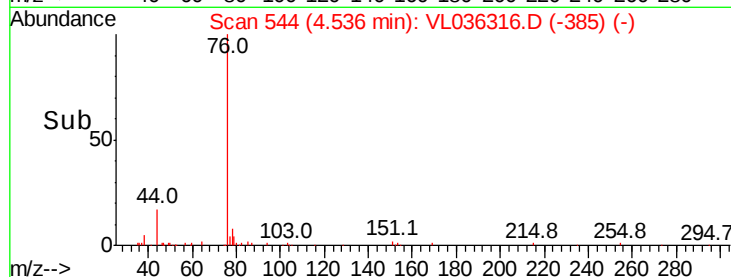
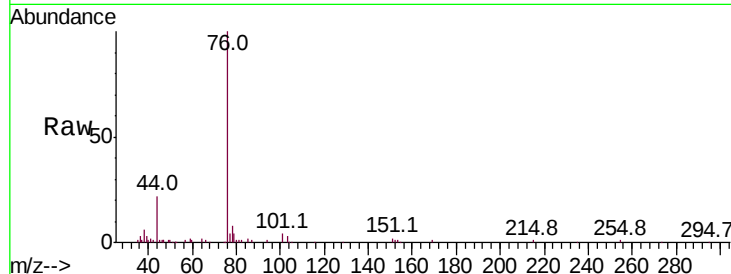
Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
44	0.0	18.4	27.6#
78	9.5	8.0	12.0

Manual Integrations
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2/12/2021 1:41:54 PM



#28

Methyl tert-Butyl Ether

Concen: 0.996 ppbv m

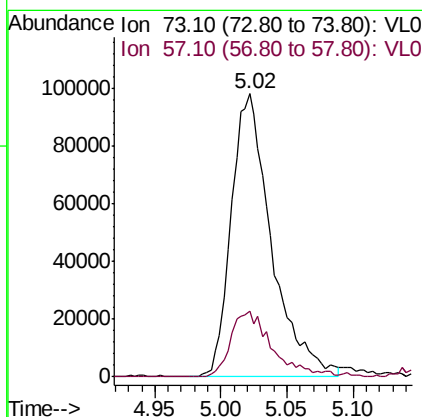
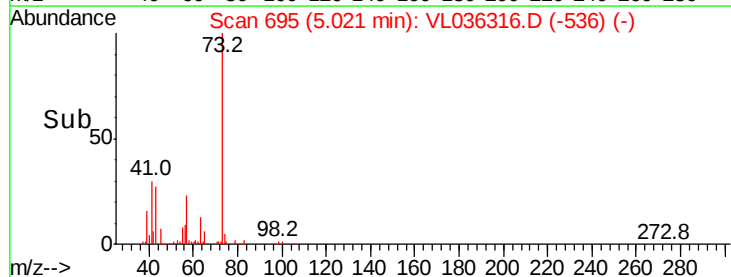
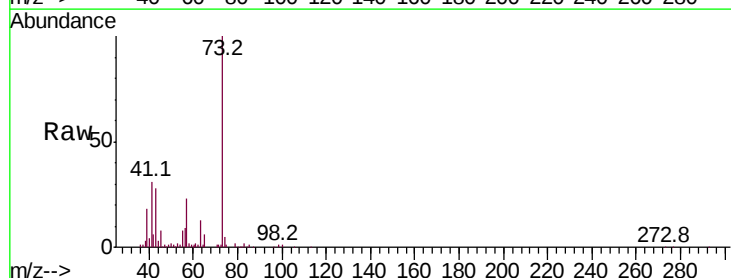
RT: 5.02 min Scan# 695

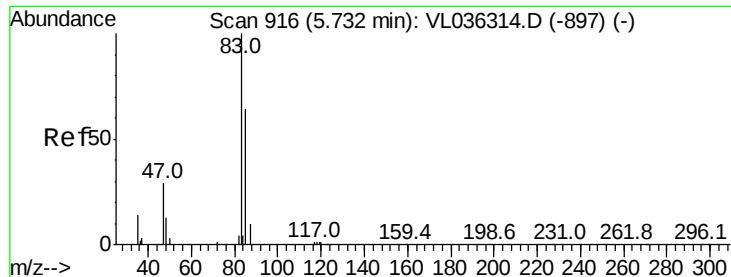
Delta R.T. 0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.2	28.8





#29

Chloroform

Concen: 1.196 ppbv m

RT: 5.73 min Scan# 915

Delta R.T. -0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 83 Resp: 264494

Ion Ratio Lower Upper

83 100

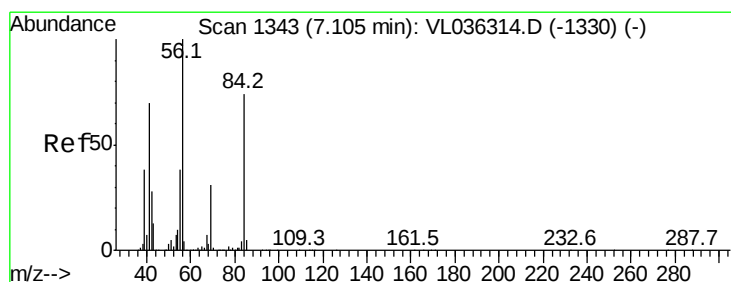
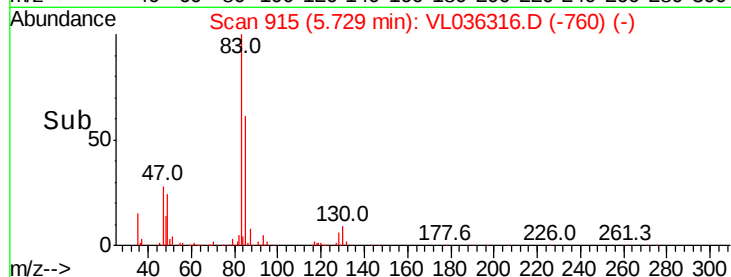
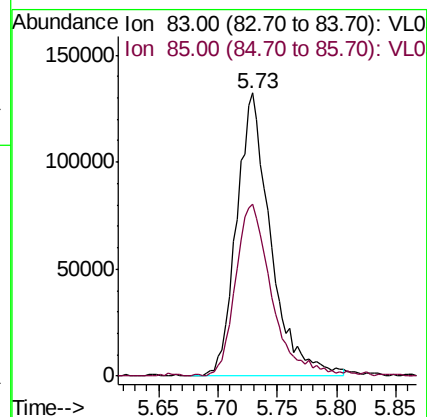
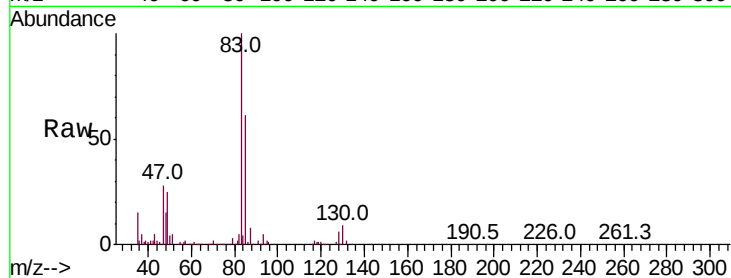
85 60.6 51.4 77.2

Manual Integrations

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#30

Cyclohexane

Concen: 1.121 ppbv m

RT: 7.11 min Scan# 1343

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

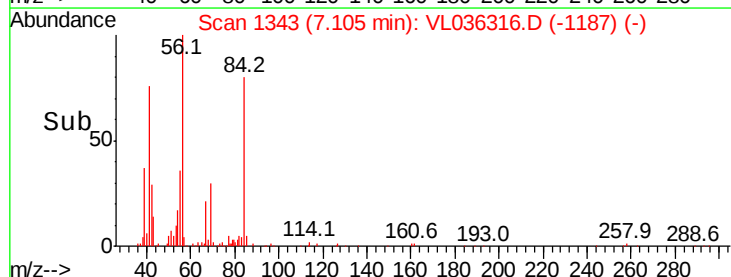
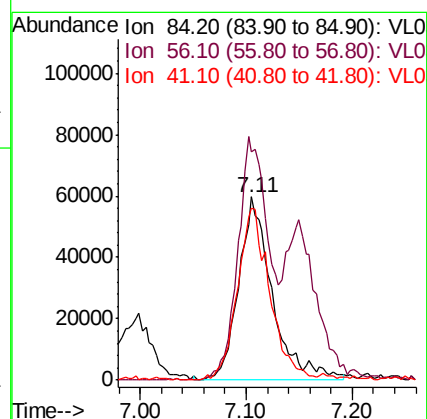
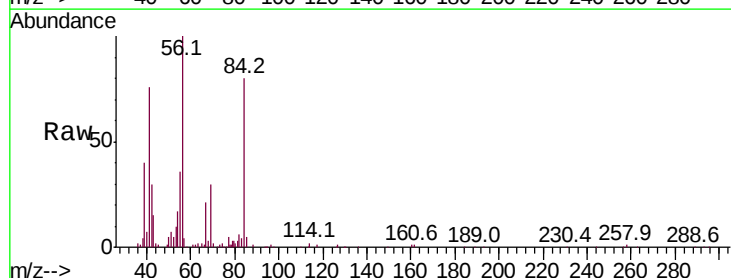
Tgt Ion: 84 Resp: 132315

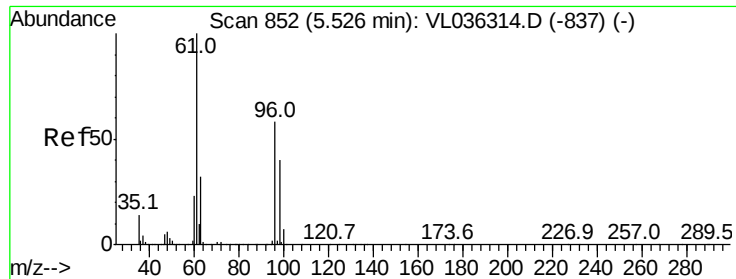
Ion Ratio Lower Upper

84 100

56 119.5 120.2 180.4#

41 93.9 79.7 119.5





#31

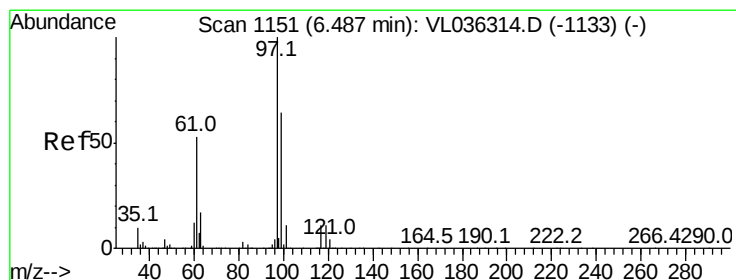
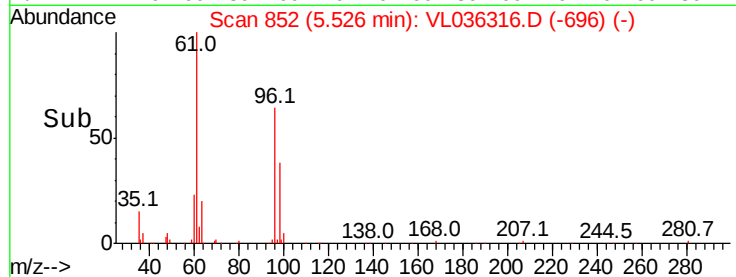
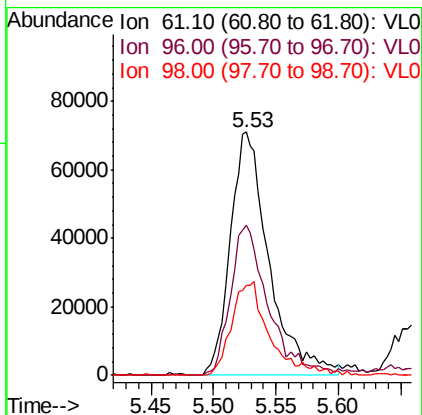
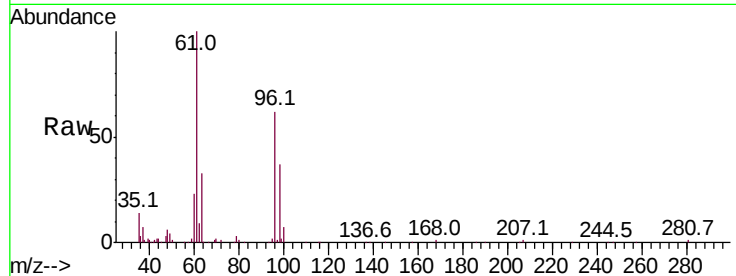
cis-1,2-Dichloroethene
Concen: 1.041 ppbv m
RT: 5.53 min Scan# 852
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
61	100	153655		
96	61.7	46.0	69.0	
98	37.0	31.9	47.9	

Manual Integrations
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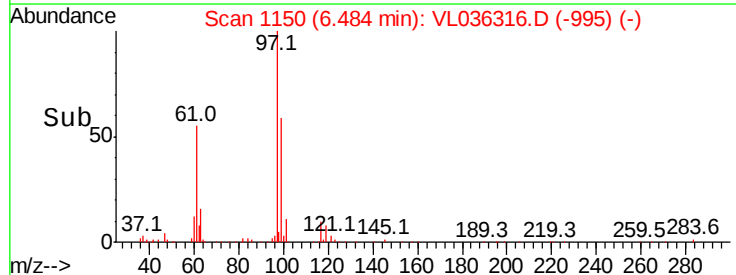
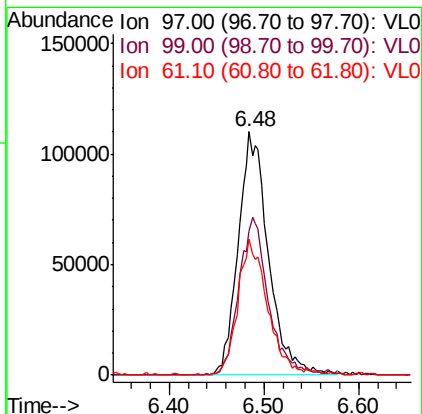
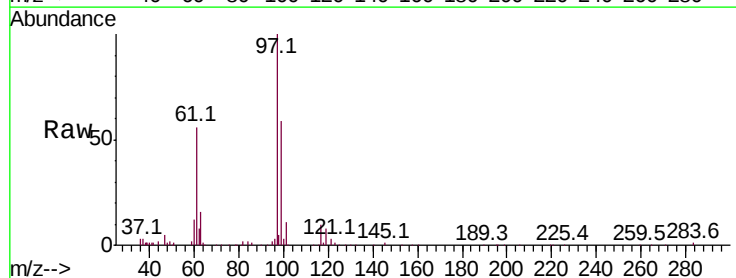
MMDadoda
2/12/2021 1:41:54 PM

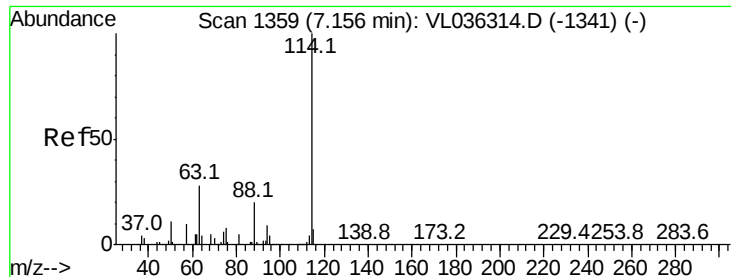


#32

1,1,1-Trichloroethane
Concen: 1.142 ppbv m
RT: 6.48 min Scan# 1150
Delta R.T. -0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	244143		
99	0.0	52.2	78.4#	
61	55.5	43.3	64.9	





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VL036316.D

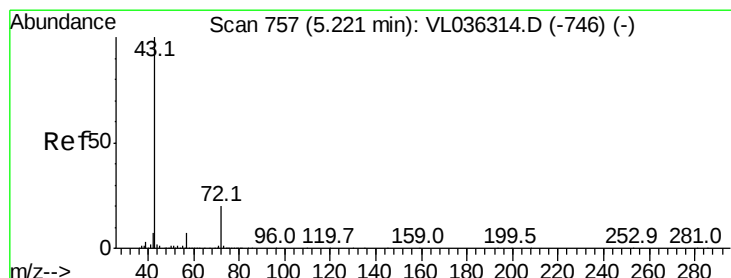
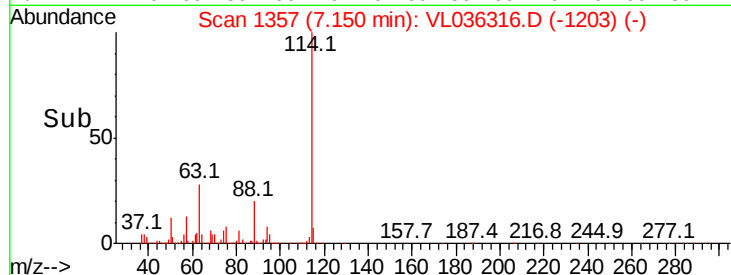
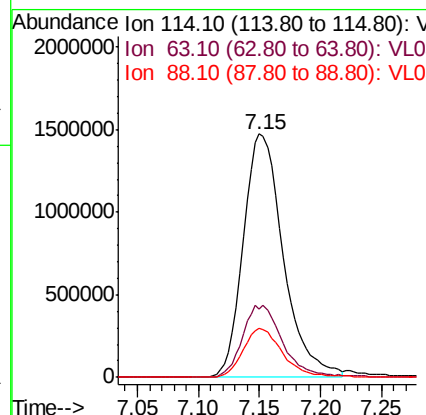
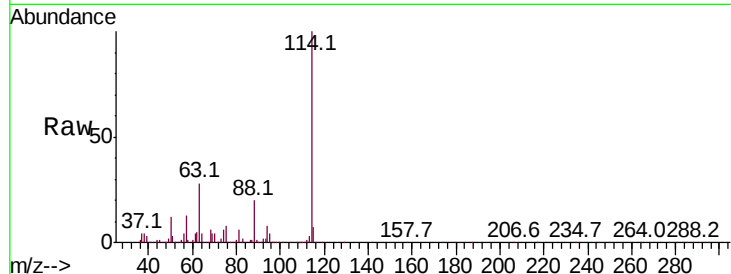
Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.2	24.1	36.1
88	20.2	16.0	24.0

Manual Integrations
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#34

2-Butanone

Concen: 0.994 ppbv m

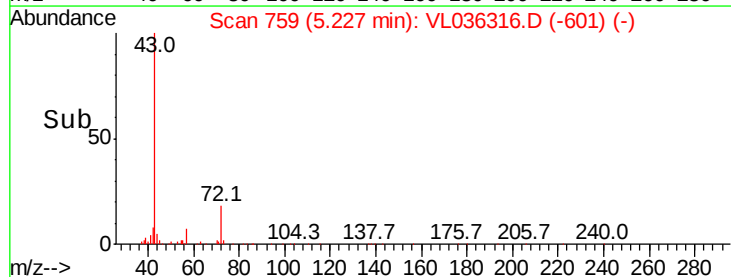
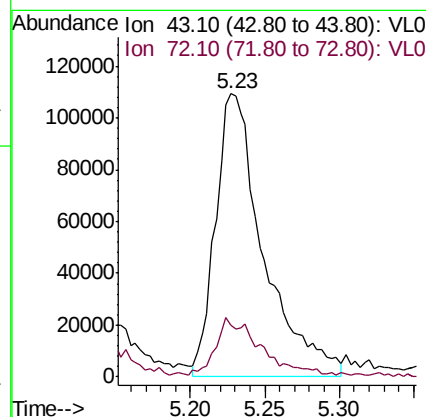
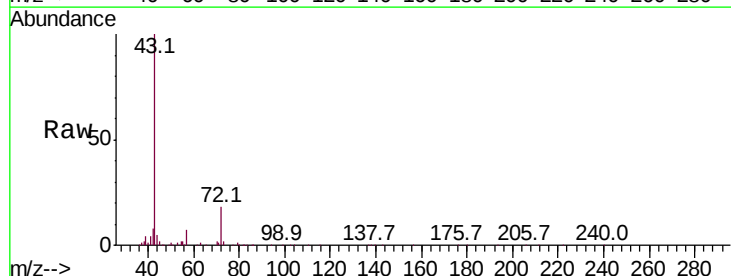
RT: 5.23 min Scan# 759

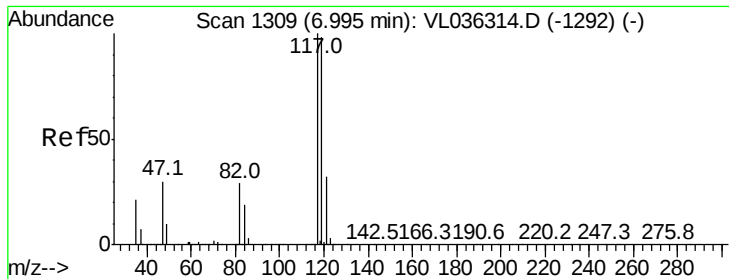
Delta R.T. 0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.2	16.7	25.1





#35

Carbon Tetrachloride

Concen: 1.117 ppbv m

RT: 6.99 min Scan# 1307

Delta R.T. -0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

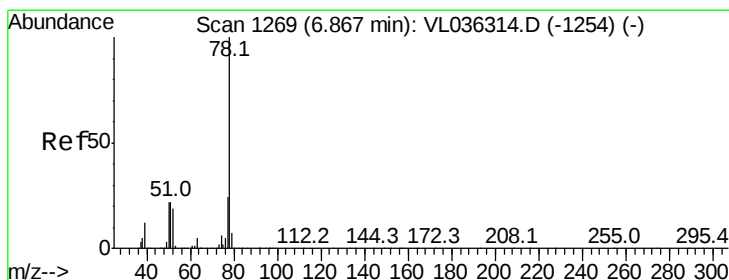
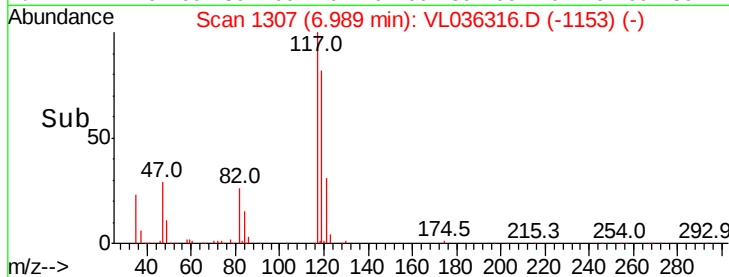
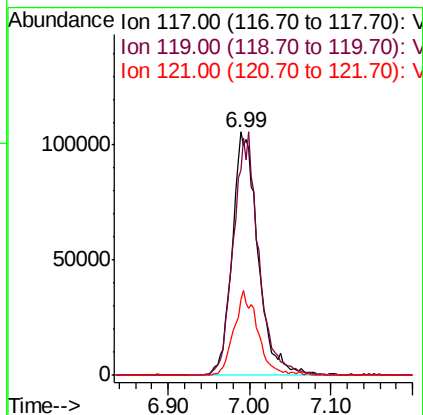
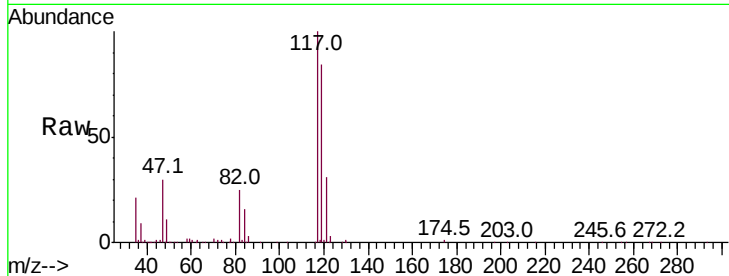
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	235995
Ion Ratio	Lower	Upper	
117	100		
119	84.2	78.1	117.1
121	31.0	25.8	38.8

Manual Integrations
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#36

Benzene

Concen: 1.026 ppbv

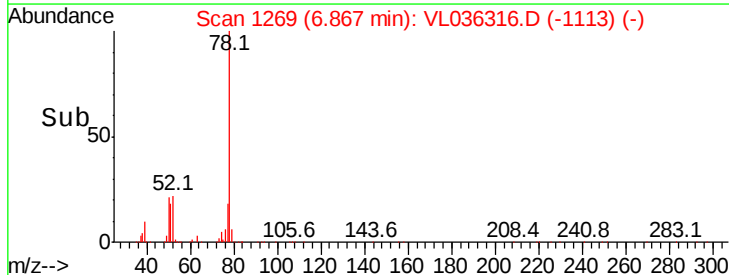
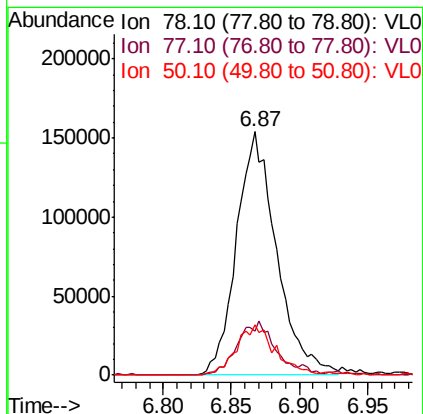
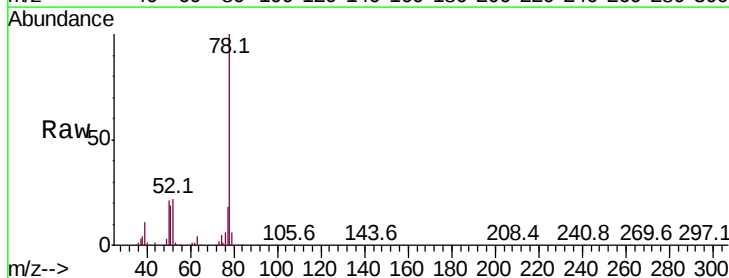
RT: 6.87 min Scan# 1269

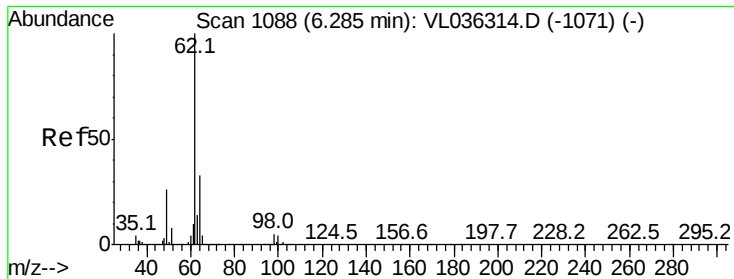
Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Tgt Ion:	78	Resp:	314556
Ion Ratio	Lower	Upper	
78	100		
77	17.7	18.9	28.3#
50	20.8	17.3	25.9





#37

1,2-Dichloroethane

Concen: 1.011 ppbv

RT: 6.28 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

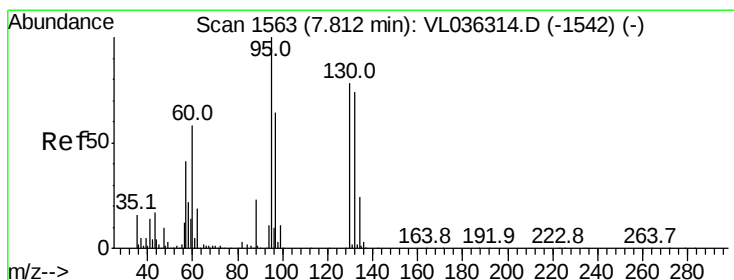
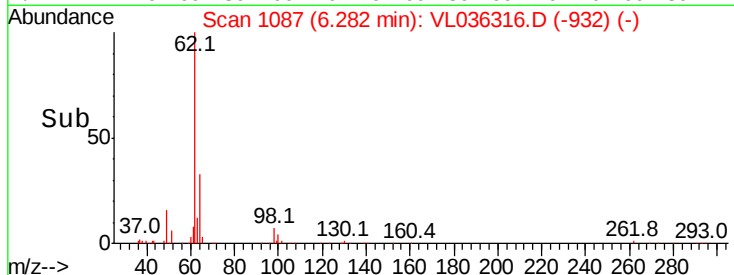
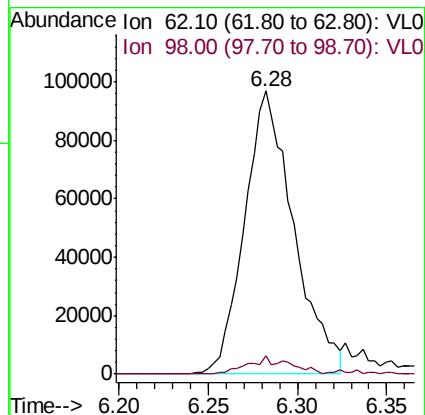
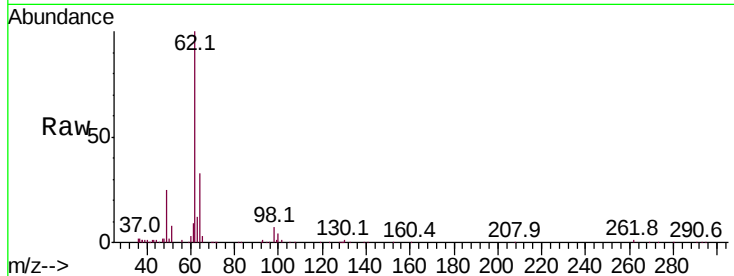
ClientSampleId :

VSTDIC001

Tot Ion:	62	Resp:	186420
Ion Ratio	Lower	Upper	
62	100		
98	6.3	4.5	6.7

Manual Integrations
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2/12/2021 1:41:54 PM



#38

Trichloroethene

Concen: 0.953 ppbv

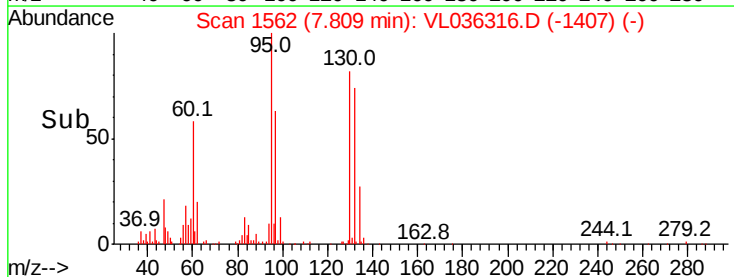
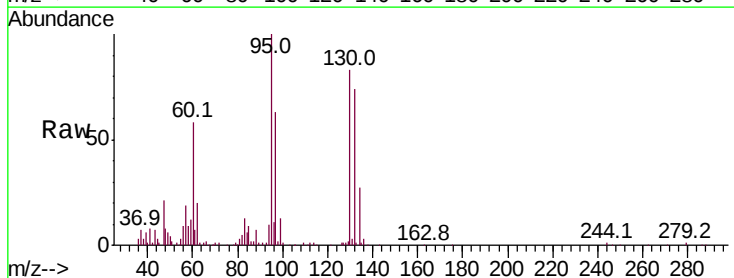
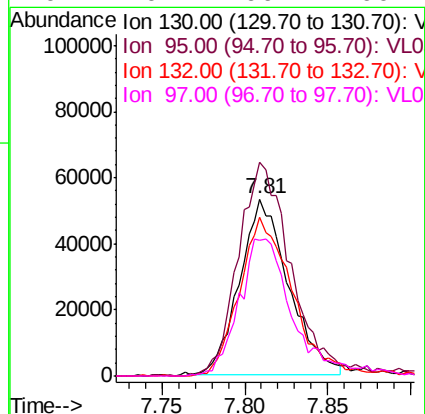
RT: 7.81 min Scan# 1562

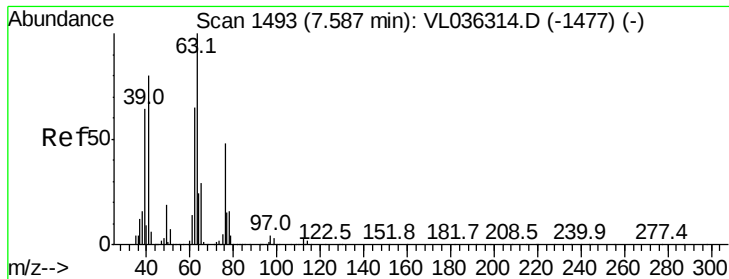
Delta R.T. -0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Tgt Ion:	130	Resp:	108176
Ion Ratio	Lower	Upper	
130	100		
95	120.8	102.8	154.2
132	90.7	75.7	113.5
97	76.7	66.2	99.2





#39

1,2-Dichloropropane

Concen: 1.020 ppbv

RT: 7.59 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

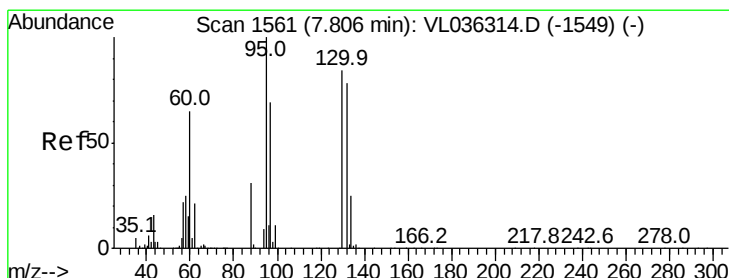
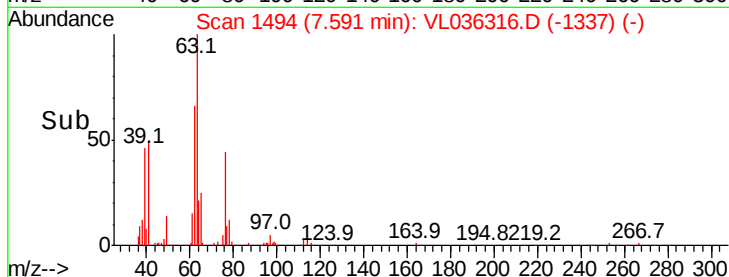
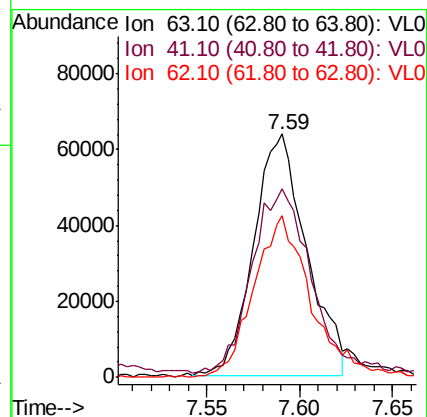
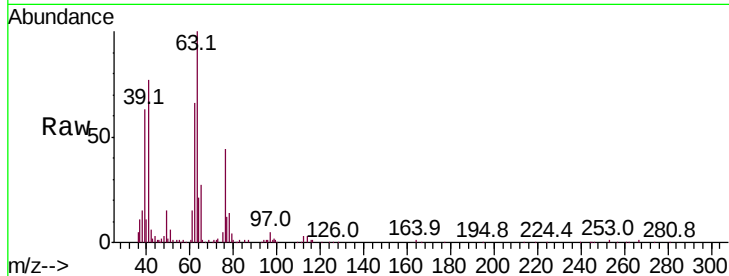
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.0	63.8	95.6
62	66.7	52.3	78.5

Manual Integrations
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#40

1,4-Dioxane

Concen: 0.981 ppbv m

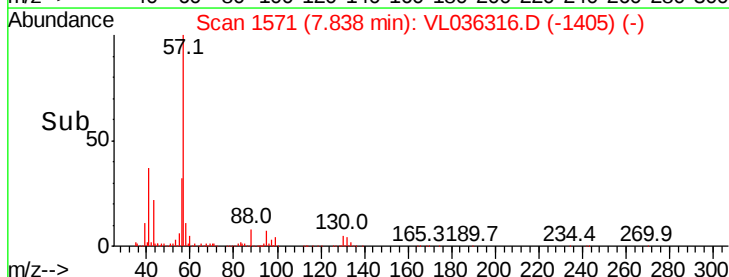
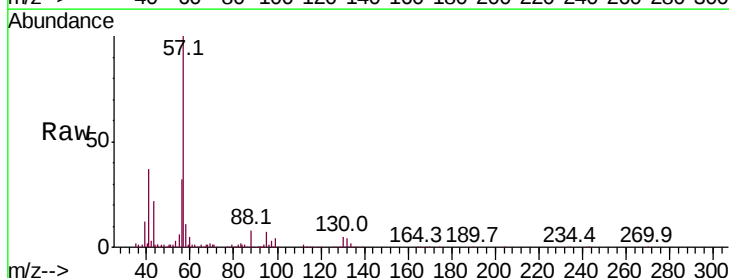
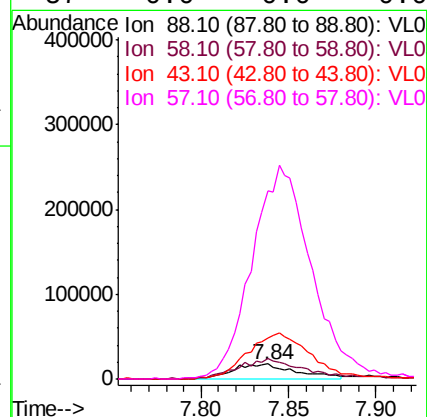
RT: 7.84 min Scan# 1571

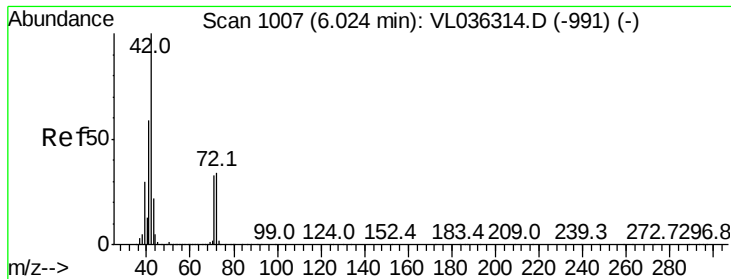
Delta R.T. 0.03 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

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





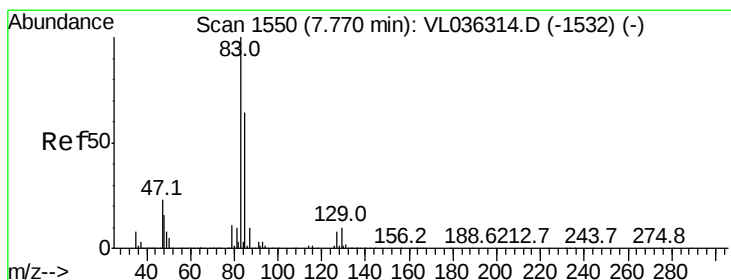
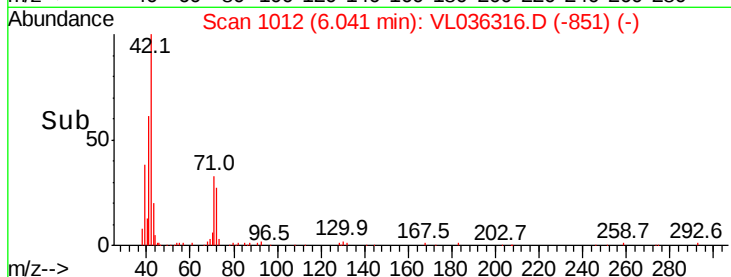
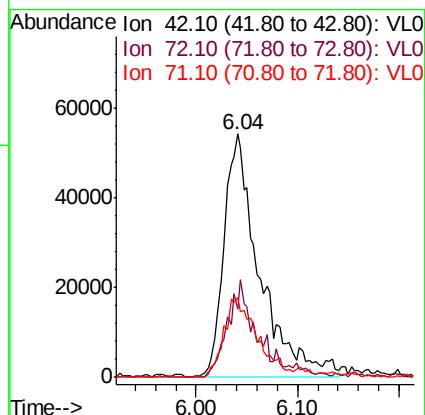
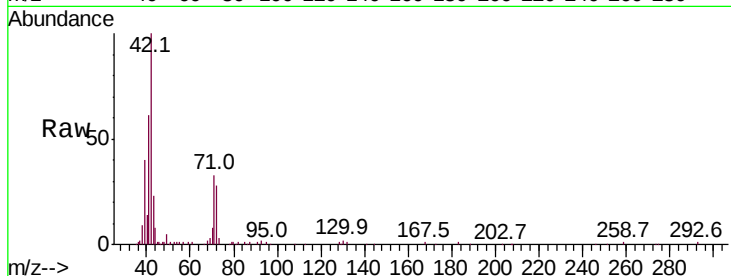
#41
Tetrahydrofuran
Concen: 0.925 ppbv m
RT: 6.04 min Scan# 1012
Delta R.T. 0.02 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	29.3	43.9
71	34.3	27.8	41.8

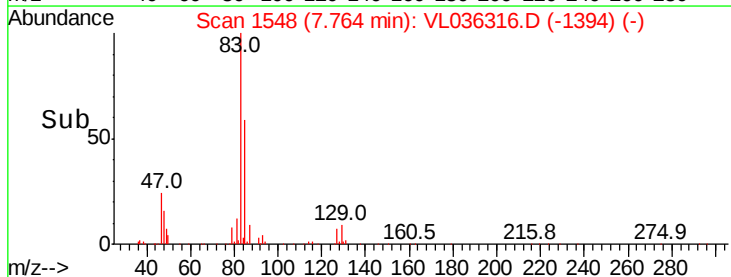
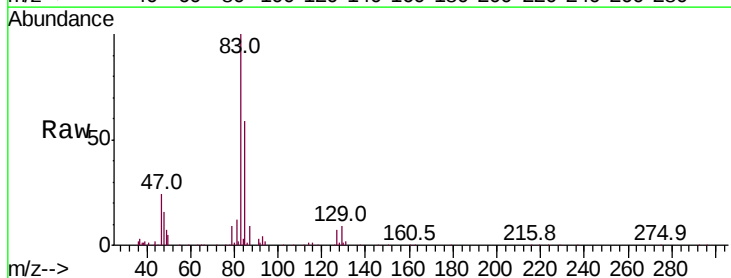
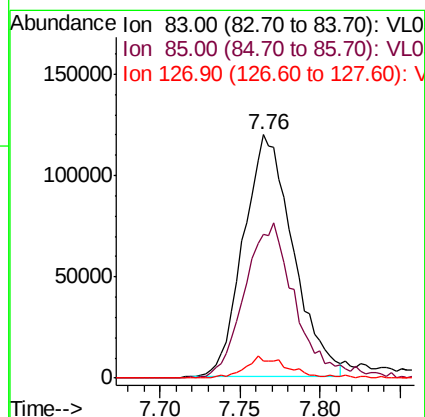
Manual Integrations
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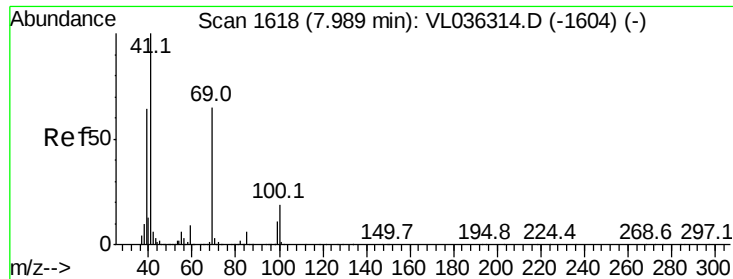
MMDadoda
2/12/2021 1:41:54 PM



#42
Bromodichloromethane
Concen: 1.098 ppbv
RT: 7.76 min Scan# 1548
Delta R.T. -0.01 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.5	51.1	76.7
127	7.0	6.3	9.5





#43

Methvl Methacrylate

Concen: 0.950 ppbv m

RT: 7.99 min Scan# 1619

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

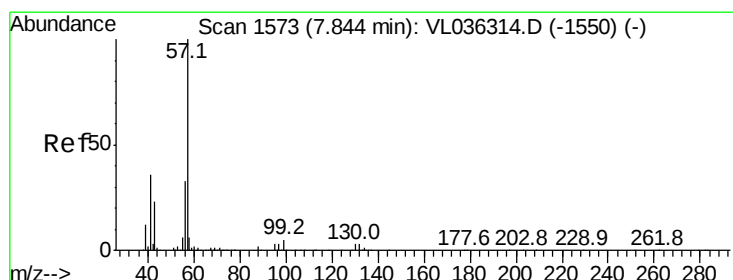
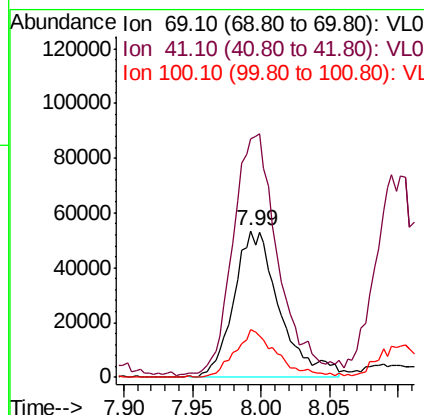
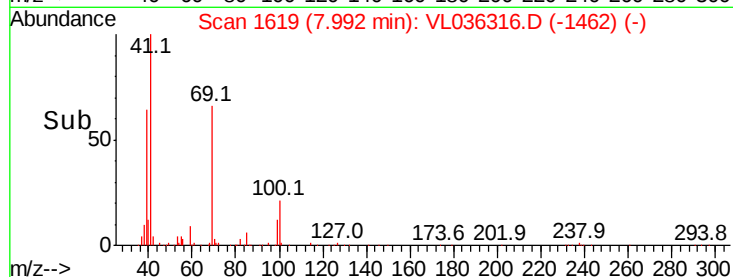
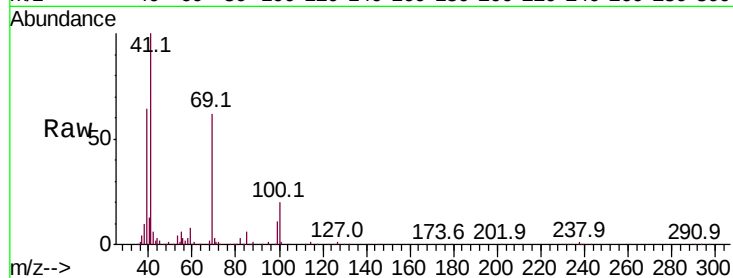
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	126.5	189.7#
100	30.5	23.1	34.7

Manual Integrations
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2/12/2021 1:41:54 PM



#44

2,2,4-Trimethylpentane

Concen: 1.054 ppbv

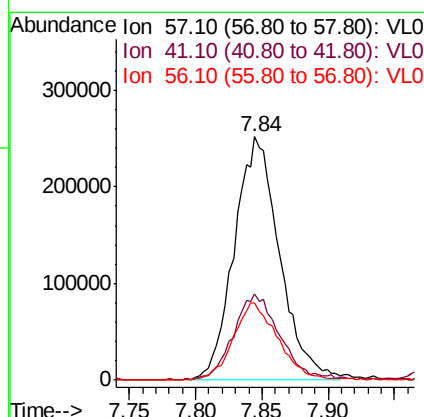
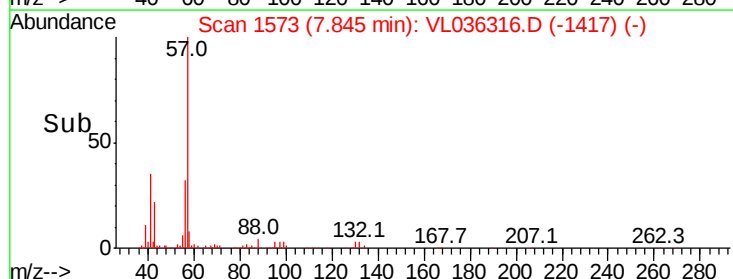
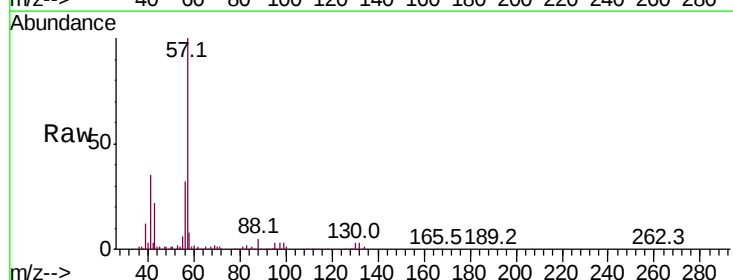
RT: 7.84 min Scan# 1573

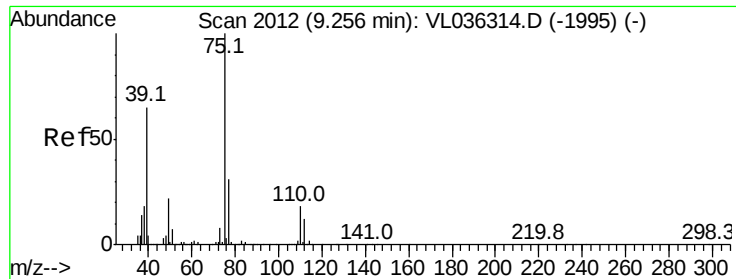
Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.3	28.8	43.2
56	32.0	25.8	38.6





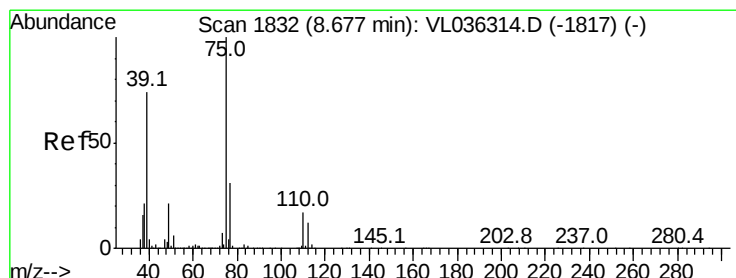
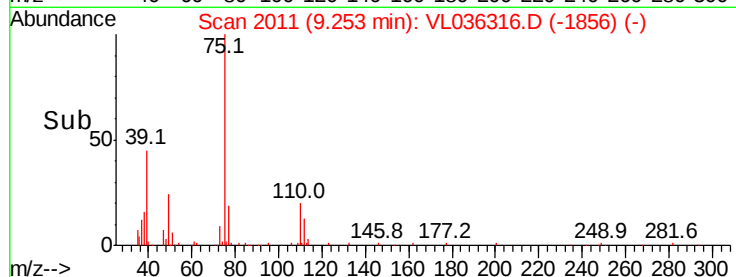
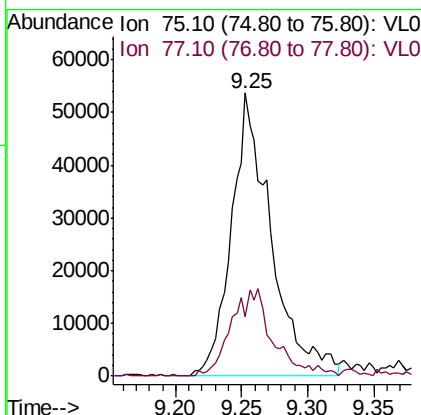
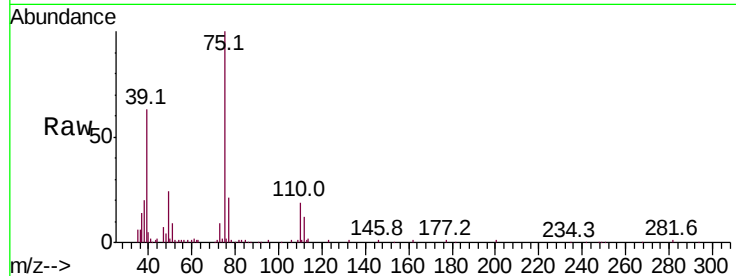
#45
 t-1,3-Dichloropropene
 Concen: 0.906 ppbv m
 RT: 9.25 min Scan# 2011
 Delta R.T. -0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 112073
 Ion Ratio Lower Upper
 75 100
 77 21.2 24.6 37.0#

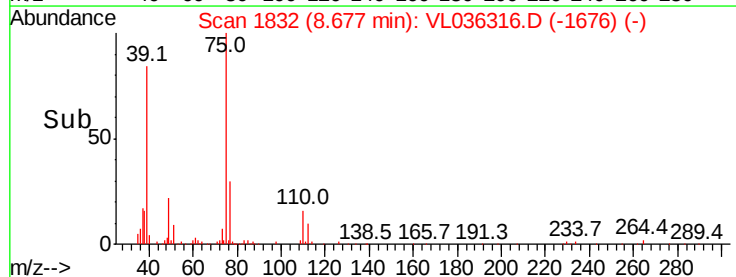
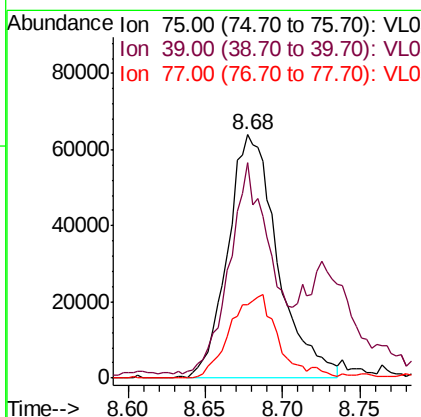
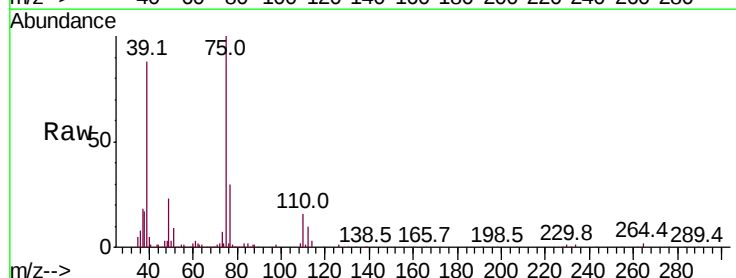
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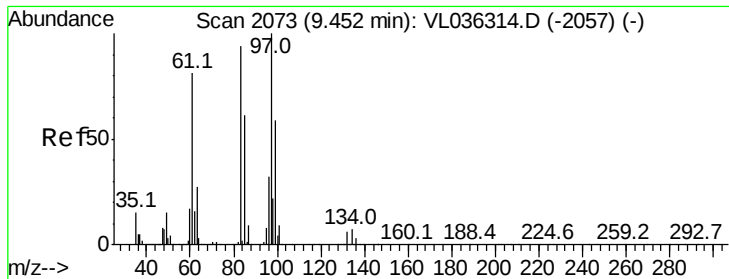
MMDadoda
 2/12/2021 1:41:54 PM



#46
 cis-1,3-Dichloropropene
 Concen: 0.903 ppbv
 RT: 8.68 min Scan# 1832
 Delta R.T. 0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

Tgt Ion: 75 Resp: 143593
 Ion Ratio Lower Upper
 75 100
 39 85.8 59.2 88.8
 77 29.9 25.0 37.6





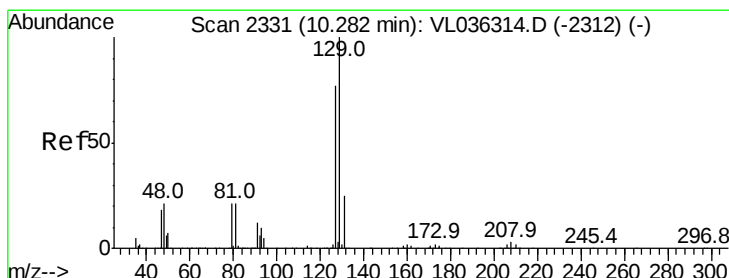
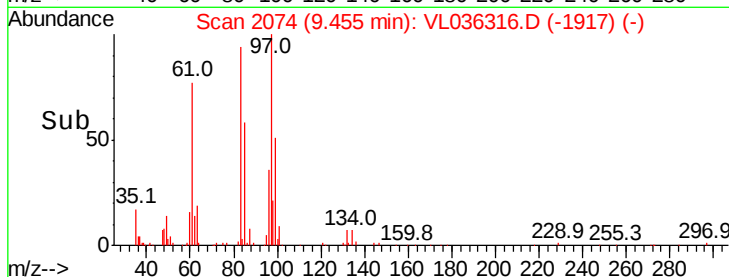
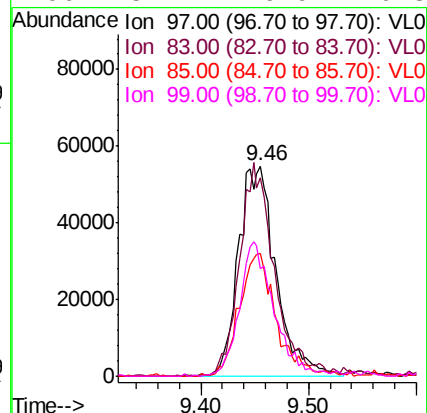
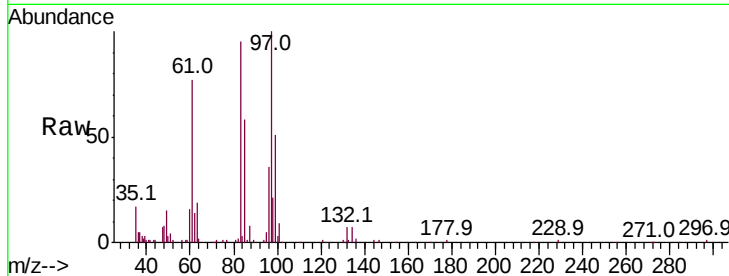
#47
 1,1,2-Trichloroethane
 Concen: 1.117 ppbv m
 RT: 9.46 min Scan# 2074
 Delta R.T. 0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	94.7	75.4	113.0	
85	58.3	48.9	73.3	
99	51.2	46.9	70.3	

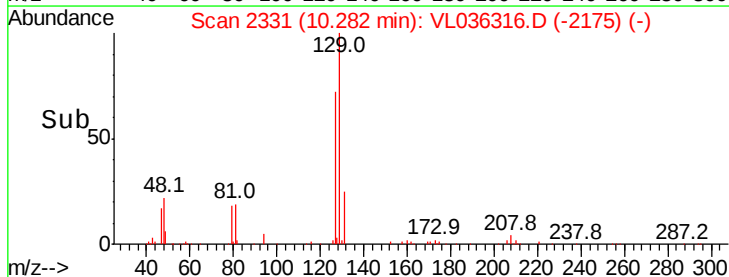
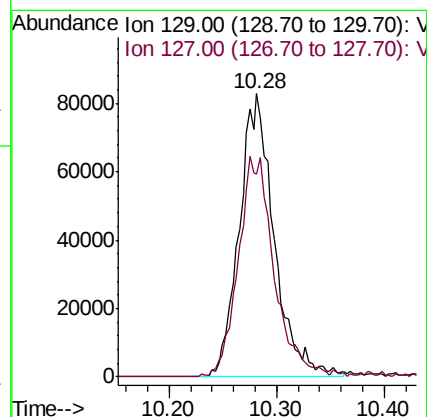
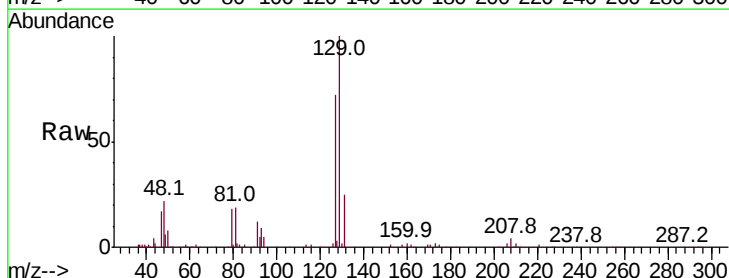
Manual Integrations
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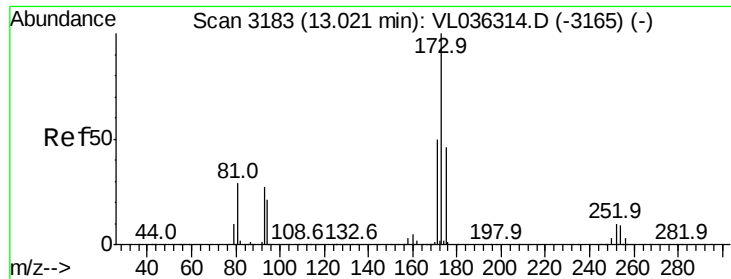
MMDadoda
 2/12/2021 1:41:54 PM



#48
 Dibromochloromethane
 Concen: 1.069 ppbv m
 RT: 10.28 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	80.5	39.1	117.2	





#49

Bromoform

Concen: 1.015 ppbv m

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:173 Resp: 147508

Ion Ratio Lower Upper

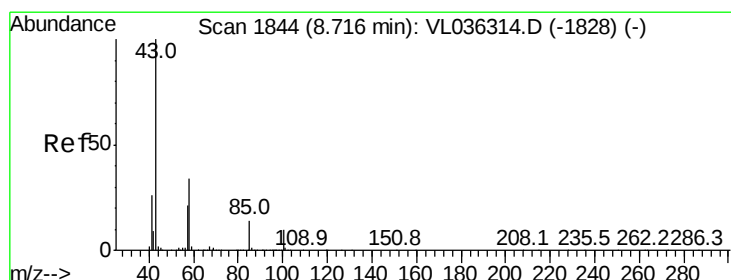
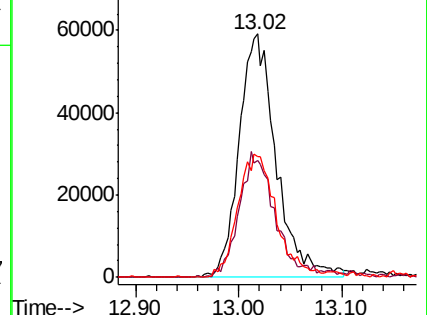
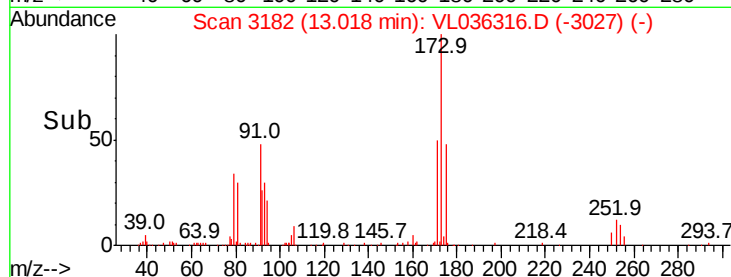
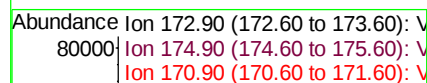
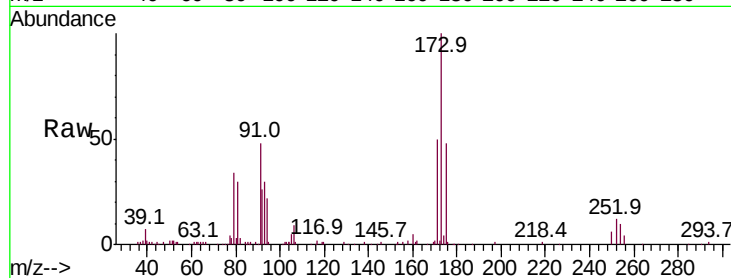
173 100

175 51.8 40.2 60.2

171 53.9 43.4 65.2

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 0.980 ppbv m

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL036316.D

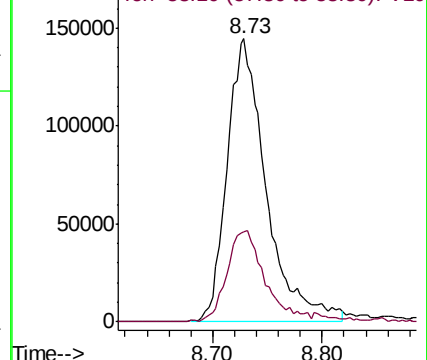
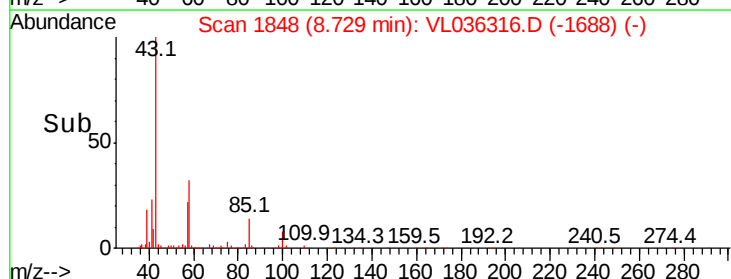
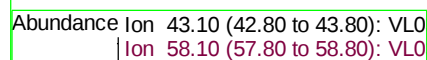
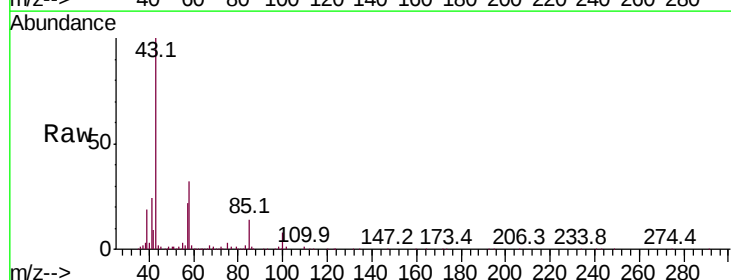
Acq: 10 Feb 2021 12:42

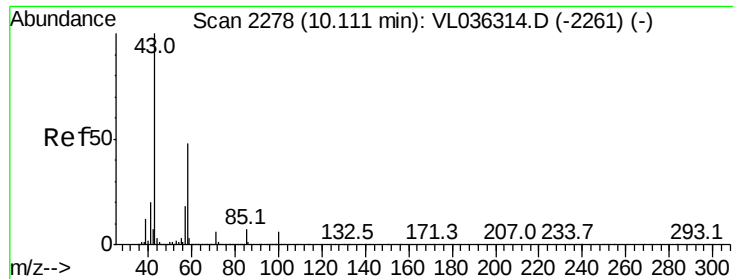
Tgt Ion: 43 Resp: 359795

Ion Ratio Lower Upper

43 100

58 33.1 27.8 41.6





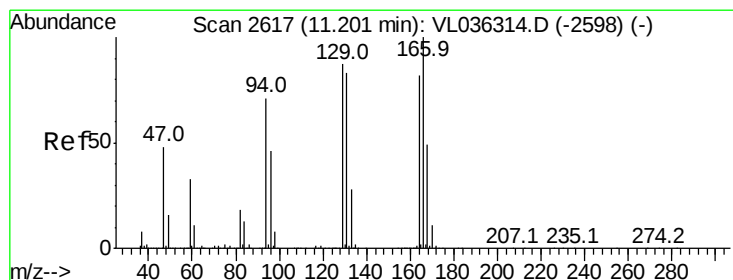
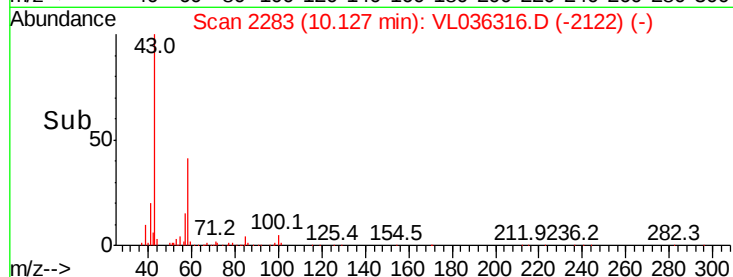
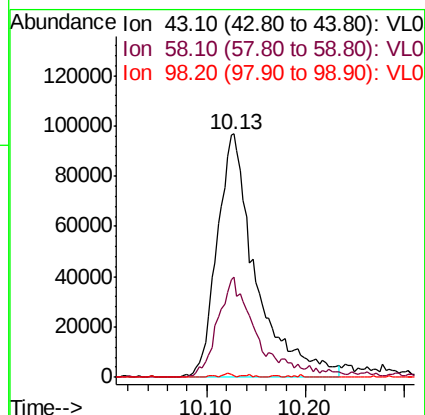
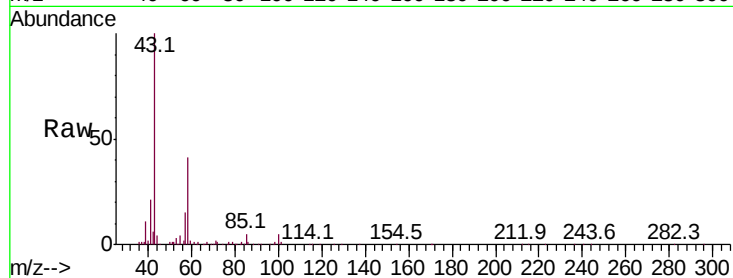
#51
2-Hexanone
Concen: 0.919 ppbv m
RT: 10.13 min Scan# 2283
Delta R.T. 0.02 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.0	38.7	58.1
98	1.0	0.4	0.6

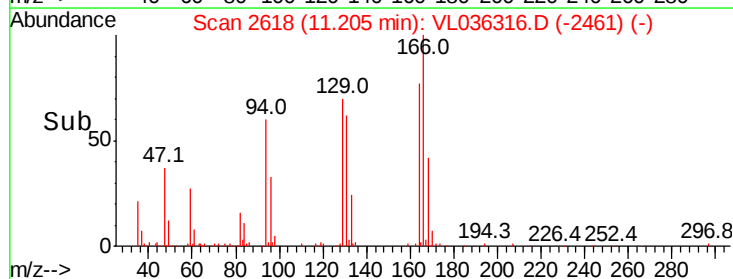
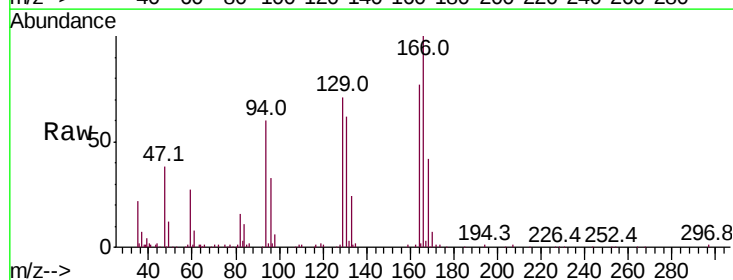
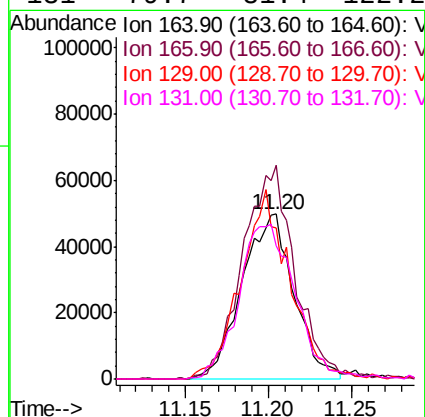
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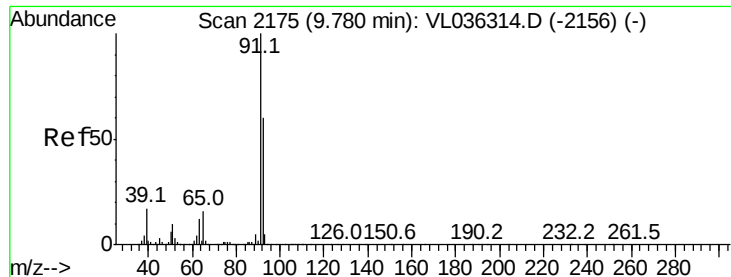
MMDadoda
2/12/2021 1:41:54 PM



#52
Tetrachloroethene
Concen: 0.964 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	97.8	146.8
129	90.8	84.9	127.3
131	79.7	81.4	122.2





#53

Toluene

Concen: 0.970 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 332372

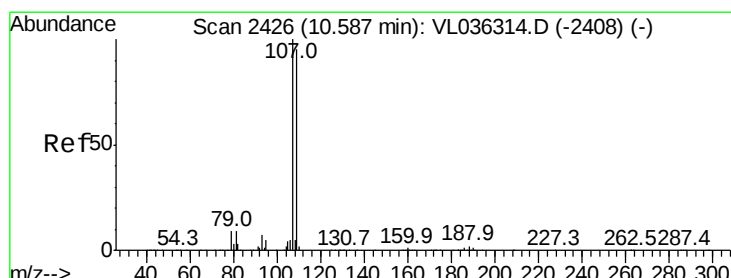
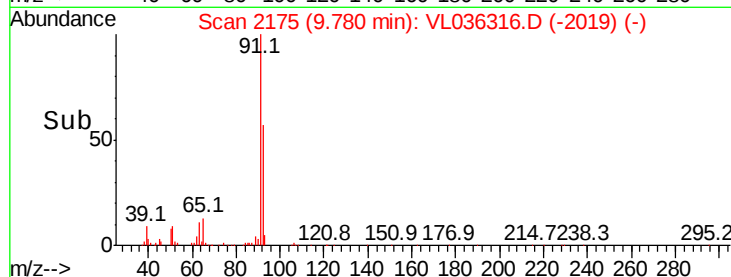
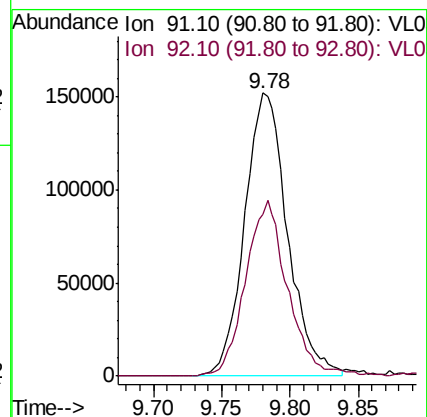
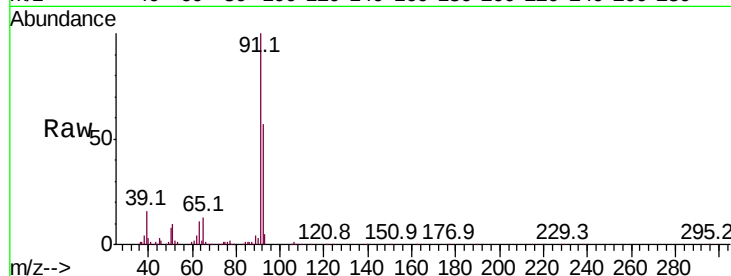
Ion Ratio Lower Upper

91 100

92 61.2 48.6 72.8

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 1.047 ppbv m

RT: 10.59 min Scan# 2426

Delta R.T. 0.00 min

Lab File: VL036316.D

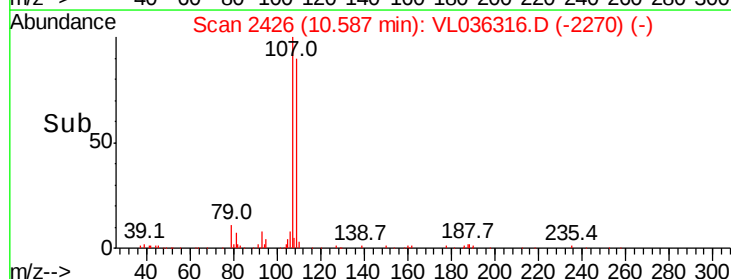
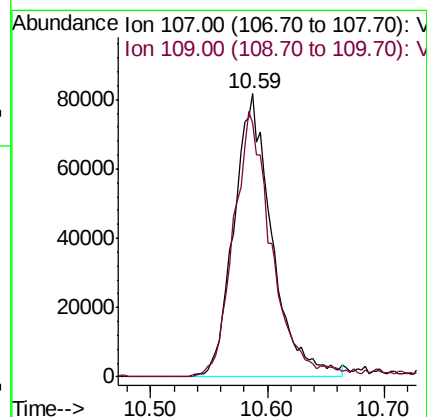
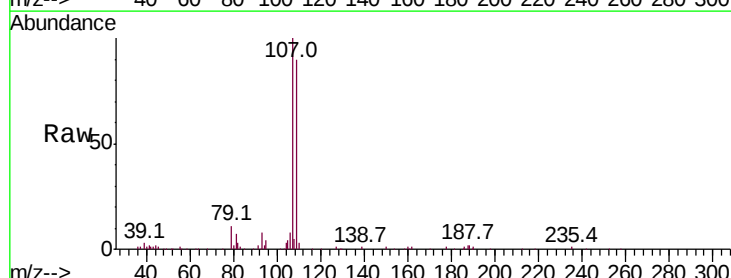
Acq: 10 Feb 2021 12:42

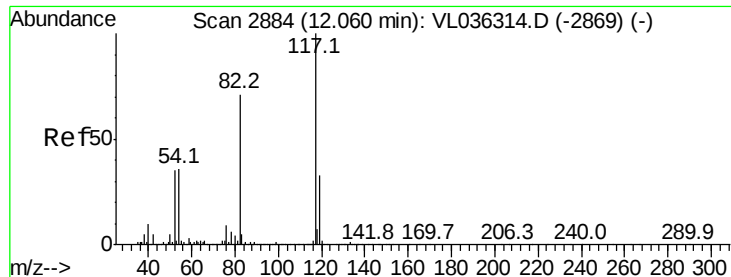
Tgt Ion: 107 Resp: 184809

Ion Ratio Lower Upper

107 100

109 89.7 76.0 114.0





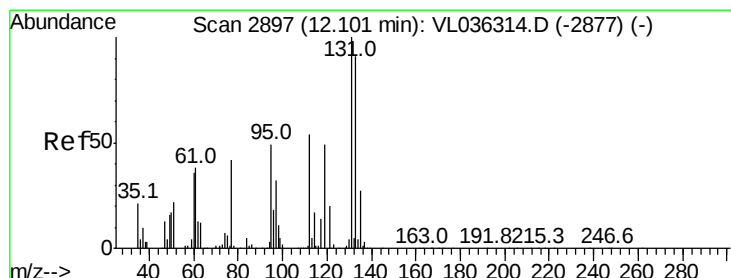
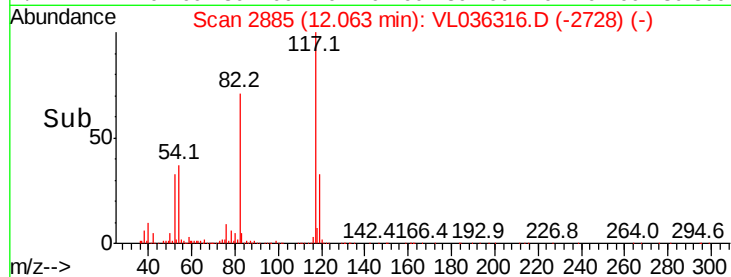
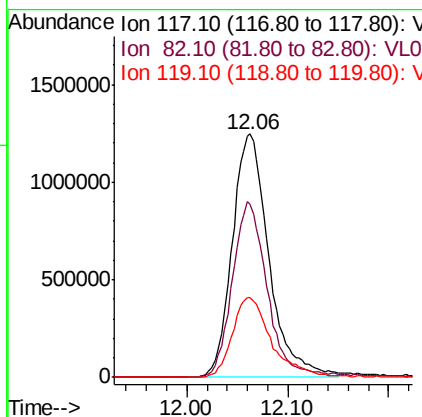
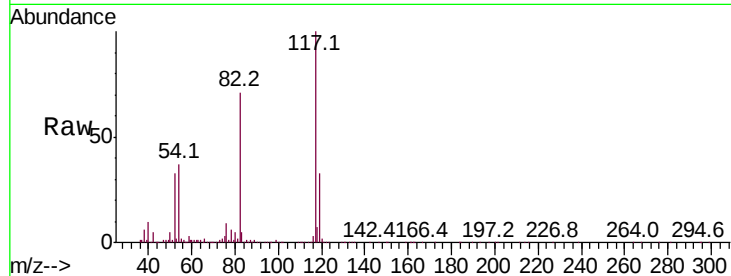
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.2	59.1	88.7
119	35.2	46.3	69.5#

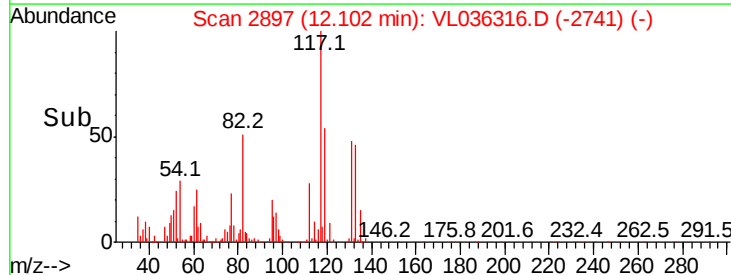
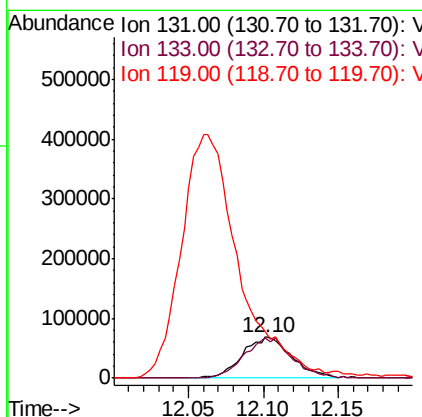
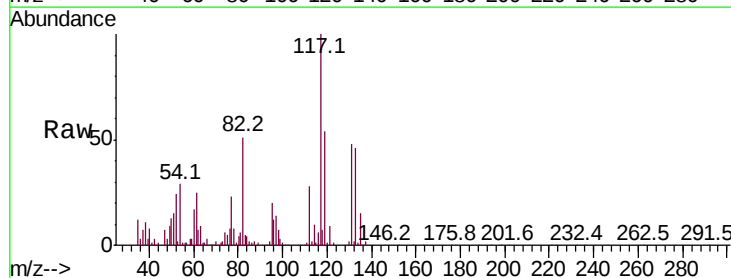
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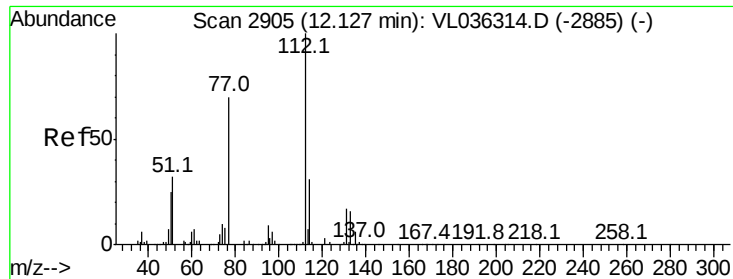
MMDadoda
2/12/2021 1:41:54 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 1.122 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	76.0	114.0
119	712.7	115.1	172.7#





#57

Chlorobenzene

Concen: 1.103 ppbv m

RT: 12.12 min Scan# 2903

Delta R.T. -0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

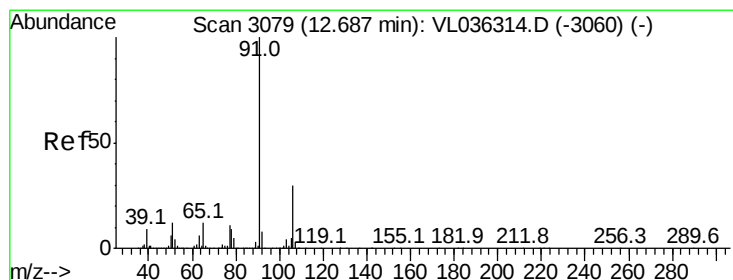
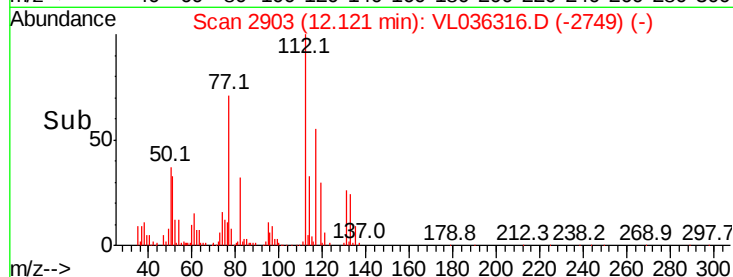
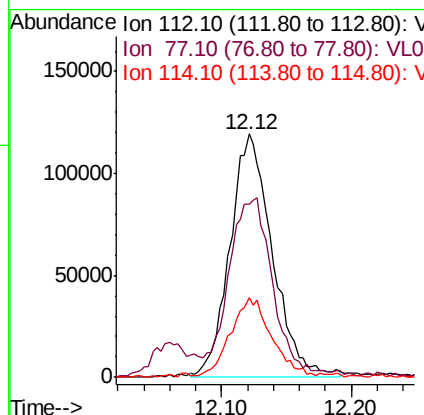
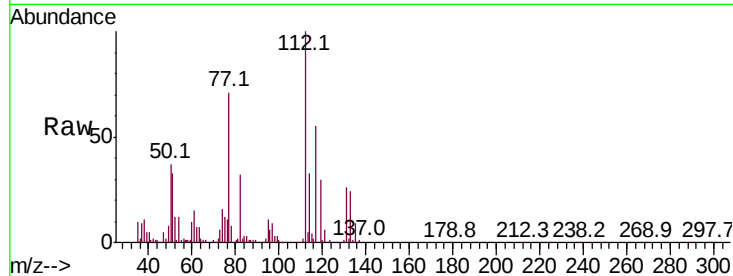
ClientSampleId :

VSTDIC001

Tot Ion:	112	Resp:	272037
Ion Ratio	Lower	Upper	
112	100		
77	71.1	56.1	84.1
114	32.9	28.3	34.5

Manual Integrations
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#58

Ethyl Benzene

Concen: 1.019 ppbv m

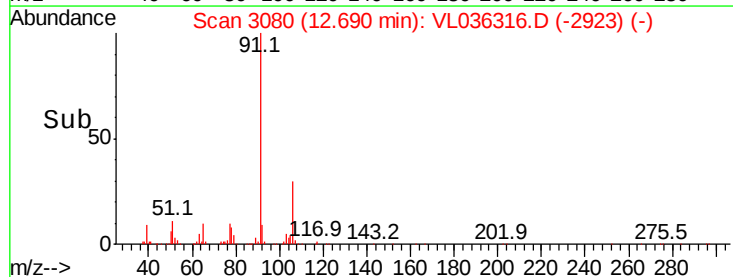
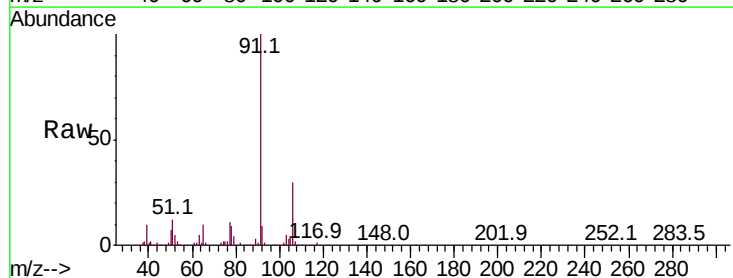
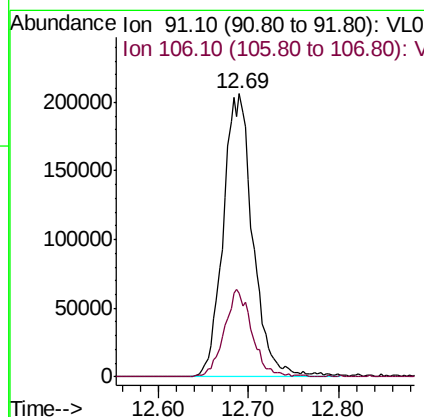
RT: 12.69 min Scan# 3080

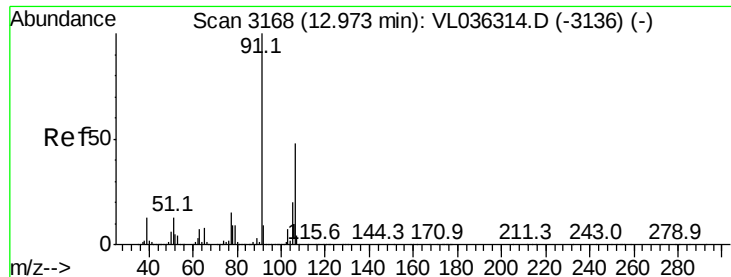
Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Tgt Ion:	91	Resp:	475389
Ion Ratio	Lower	Upper	
91	100		
106	29.8	23.8	35.6





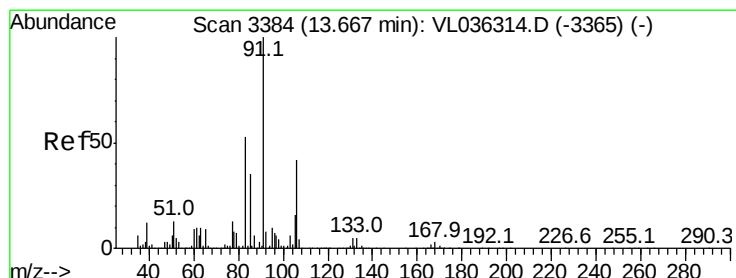
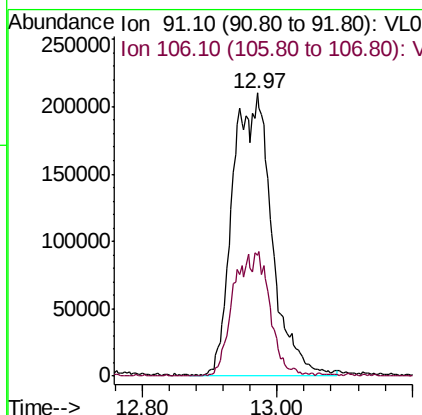
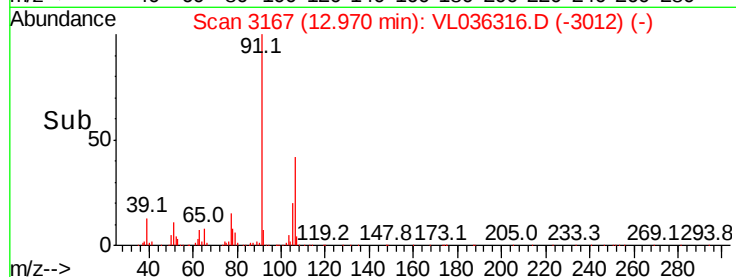
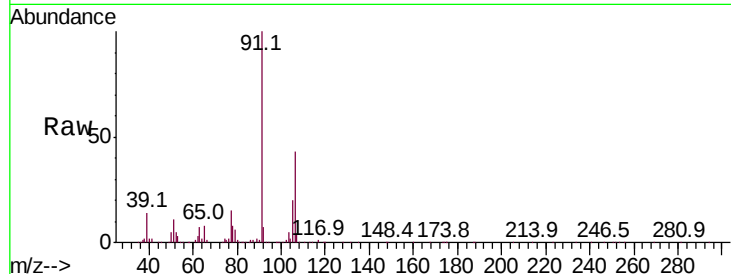
#59
m/p-Xylene
Concen: 2.123 ppbv m
RT: 12.97 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 851148
Ion Ratio Lower Upper
91 100
106 40.8 34.2 51.2

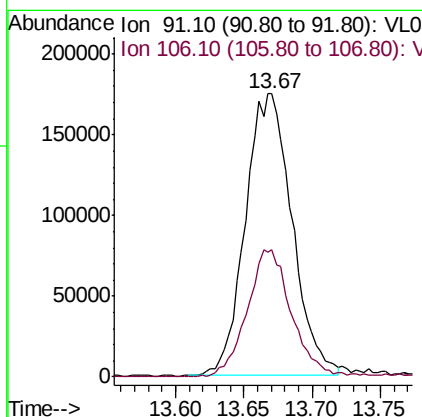
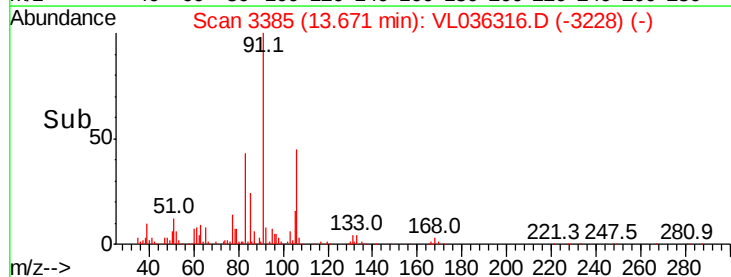
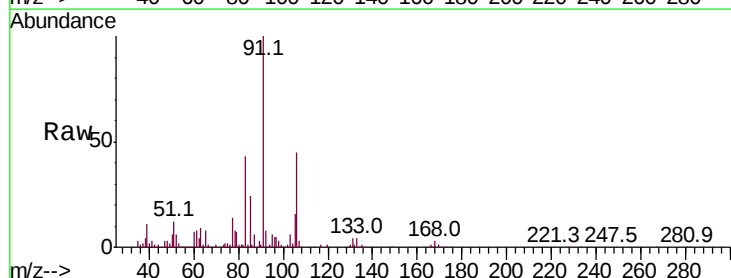
Manual Integrations
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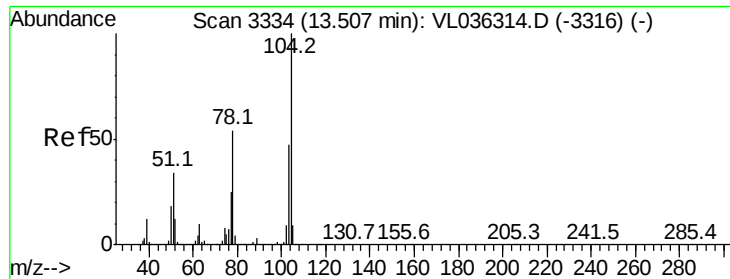
MMDadoda
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#60
o-Xylene
Concen: 1.074 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion: 91 Resp: 414970
Ion Ratio Lower Upper
91 100
106 43.9 22.0 66.0





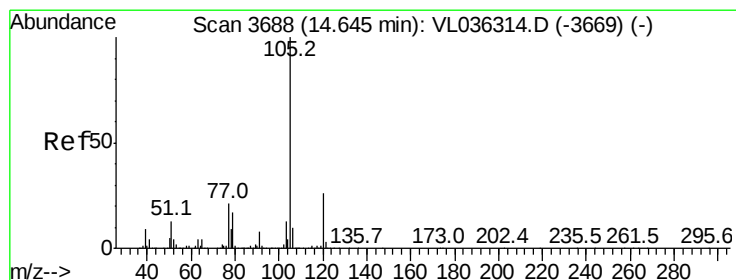
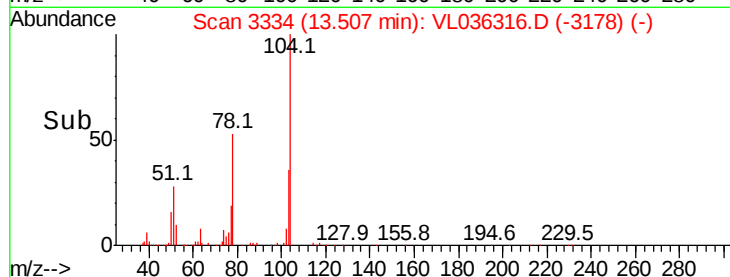
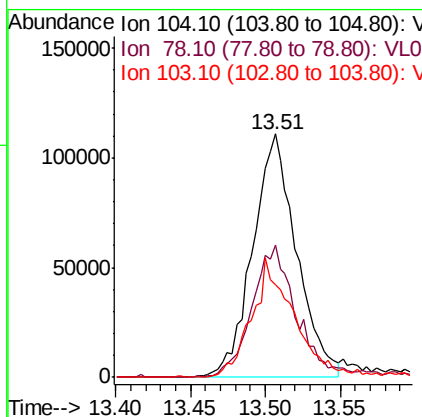
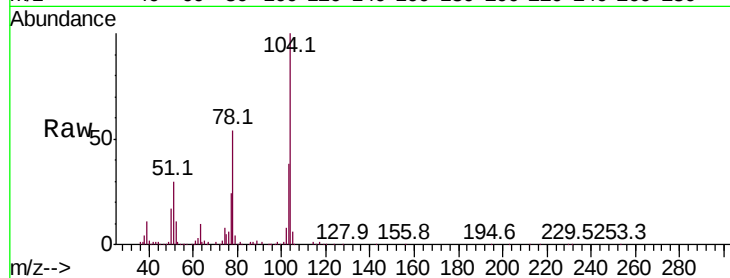
#61
Stvrene
Concen: 0.927 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.9	46.2	69.2
103	49.0	38.3	57.5

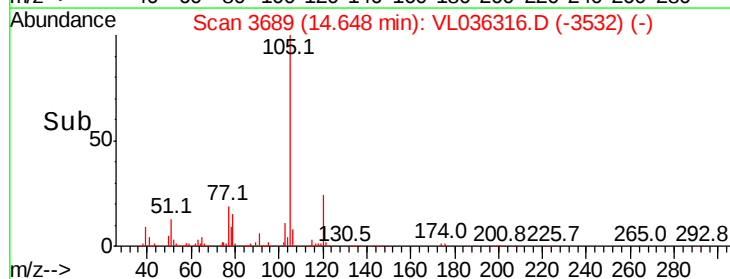
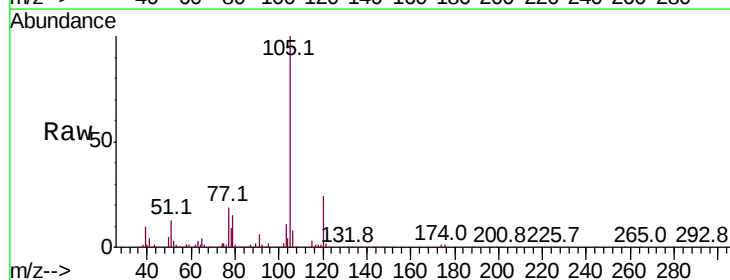
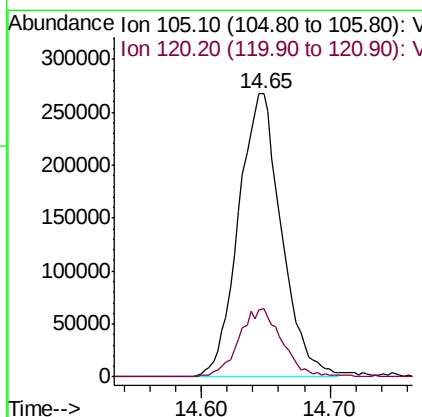
Manual Integrations
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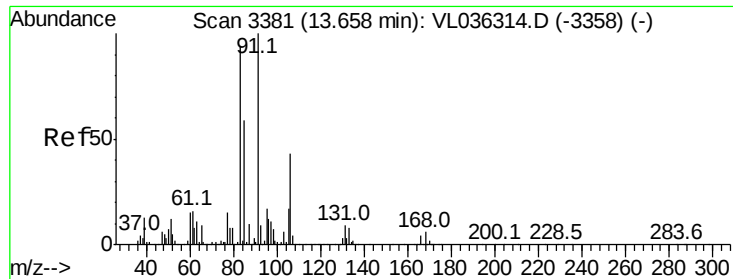
MMDadoda
2/12/2021 1:41:54 PM



#62
Isopropylbenzene
Concen: 1.080 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.4	20.6	30.8





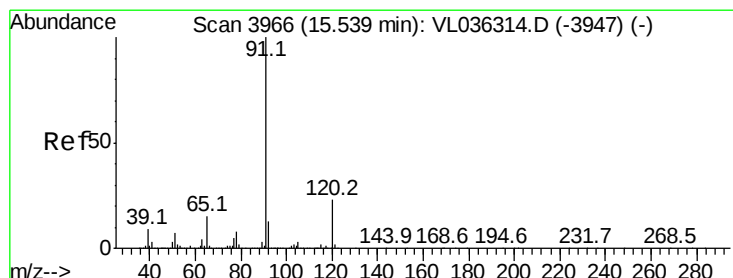
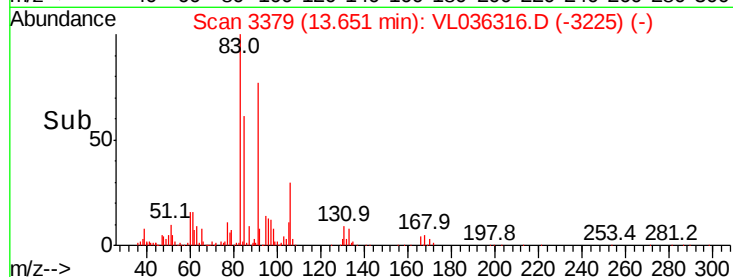
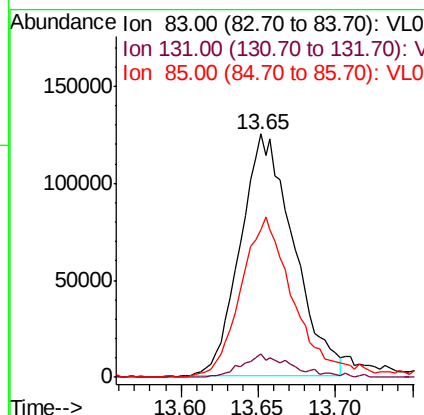
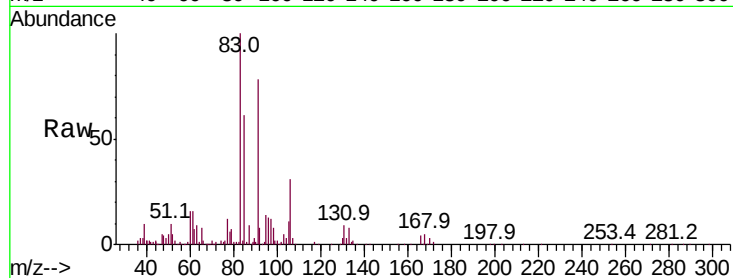
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.040 ppbv
 RT: 13.65 min Scan# 3379
 Delta R.T. -0.01 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	68.7	33.0	98.9

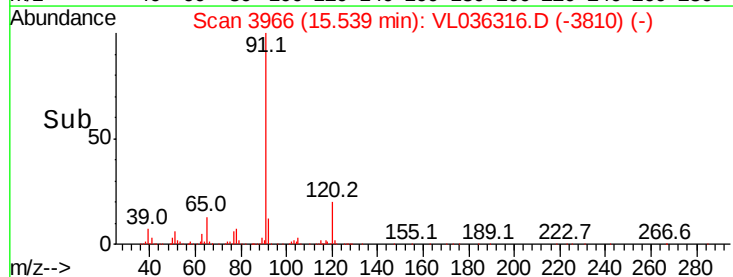
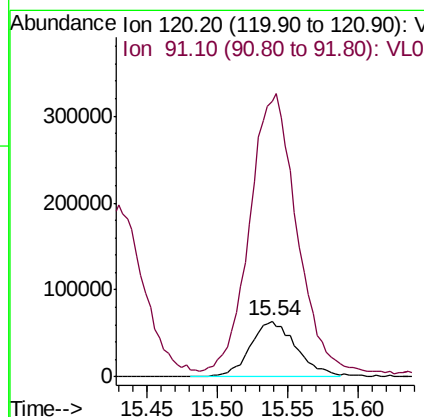
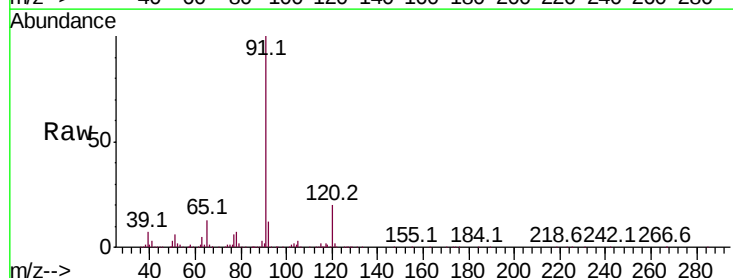
Manual Integrations
 APPROVED

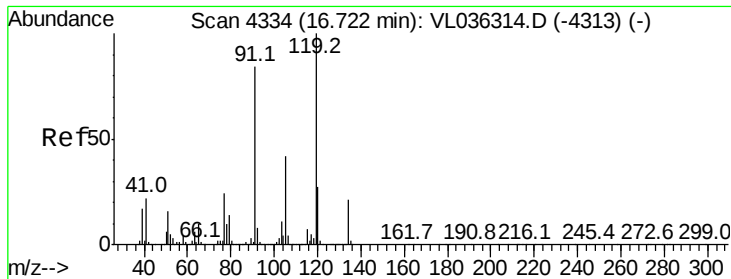
MMDadoda
 2/12/2021 1:41:54 PM



#64
 n-propylbenzene
 Concen: 1.034 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. 0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Lower	Upper
120	100		
91	539.2	387.2	580.8





#65

tert-Butylbenzene

Concen: 1.123 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

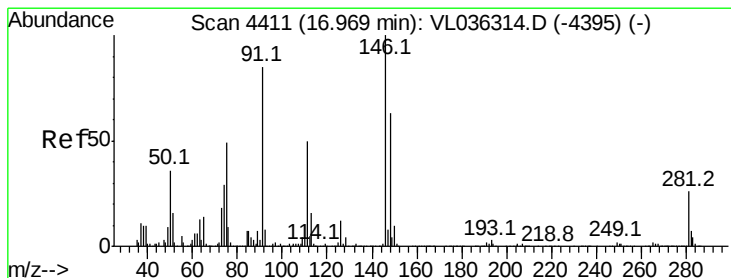
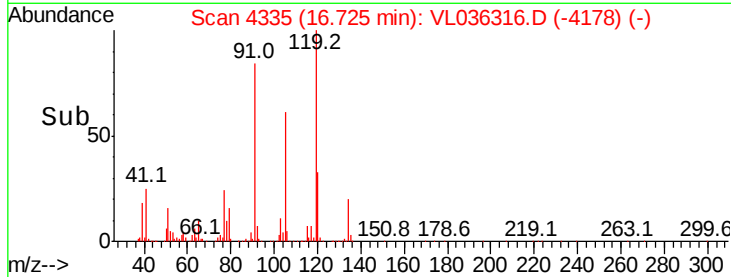
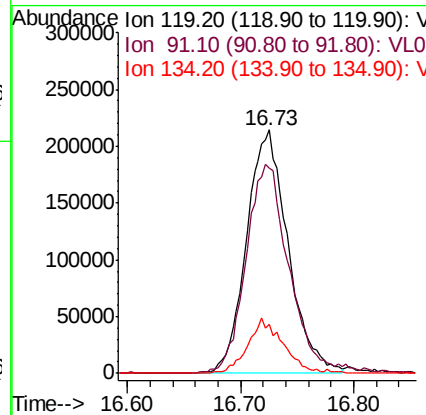
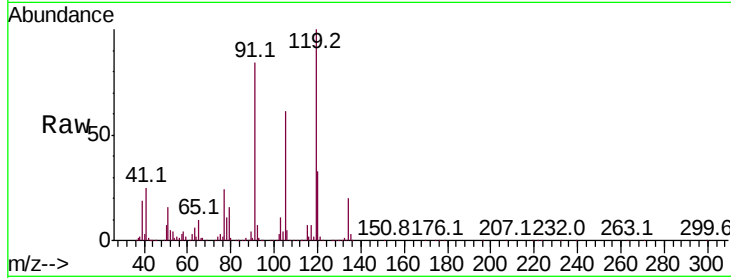
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	546645
Ion Ratio	Lower	Upper	
119	100		
91	90.3	70.5	105.7
134	19.7	15.8	23.8

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.931 ppbv m

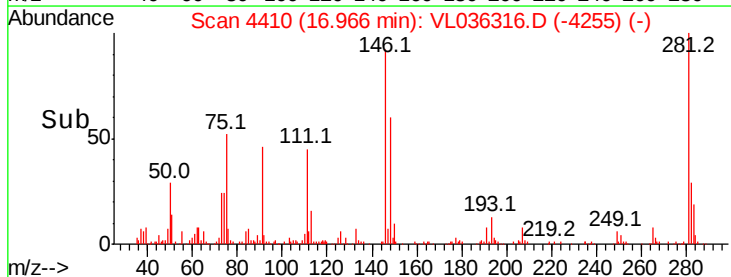
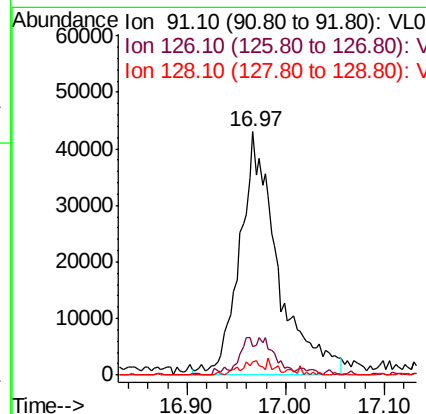
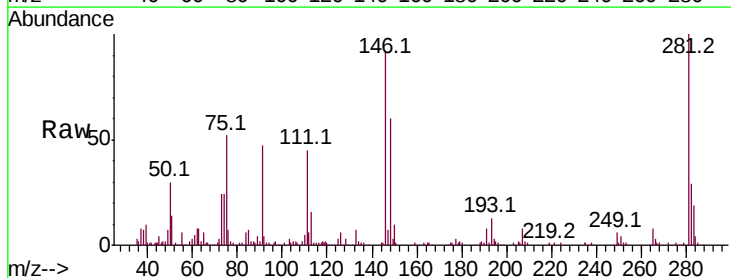
RT: 16.97 min Scan# 4410

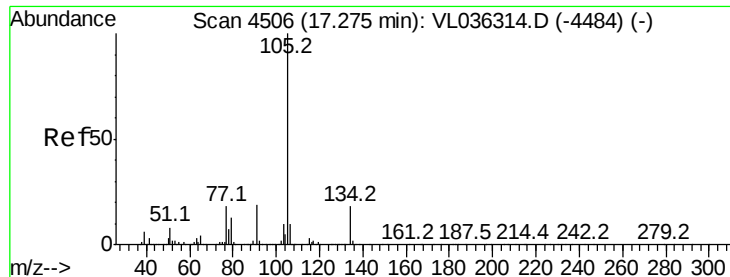
Delta R.T. -0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Tgt Ion:	91	Resp:	115792
Ion Ratio	Lower	Upper	
91	100		
126	15.8	12.9	19.3
128	4.5	4.2	6.2





#67

sec-Butylbenzene

Concen: 1.052 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 760414

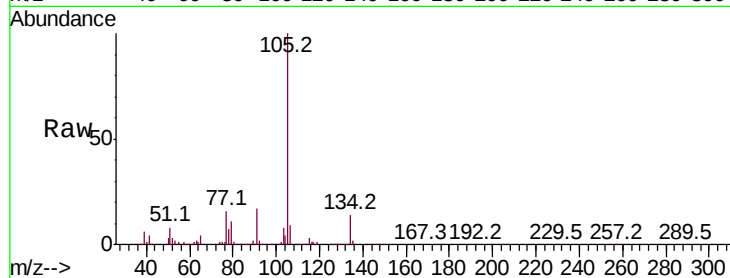
Ion Ratio Lower Upper

105 100

134 17.1 14.2 21.4

Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.27

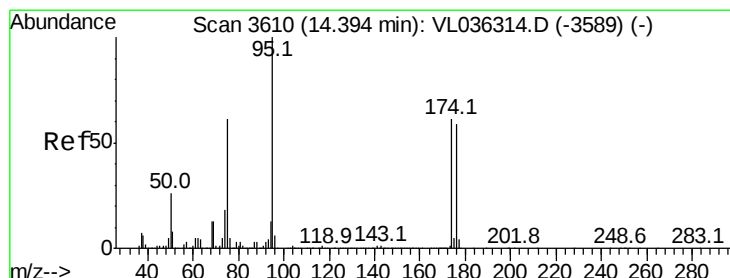
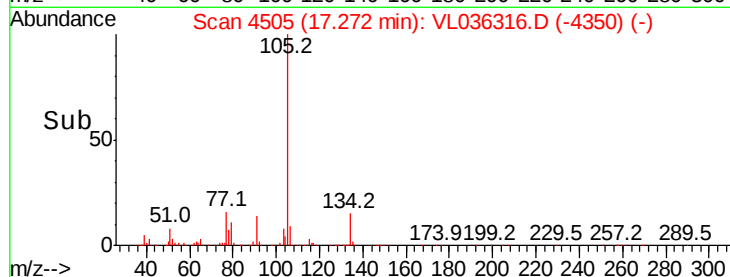
300000

200000

100000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.460 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

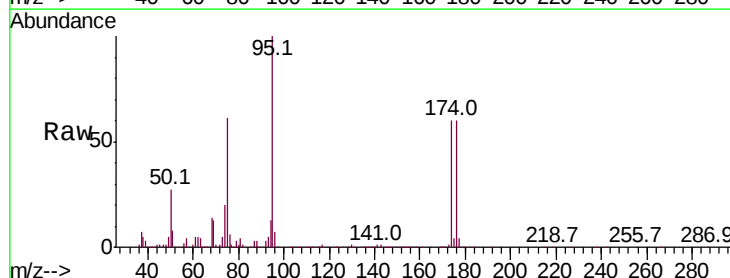
Tgt Ion: 95 Resp: 2461501

Ion Ratio Lower Upper

95 100

174 65.3 49.8 74.6

175 4.6 3.7 5.5



Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

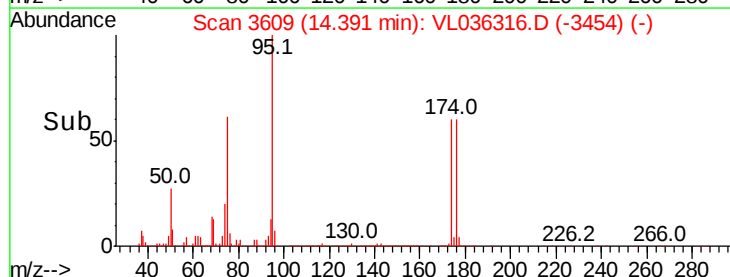
14.39

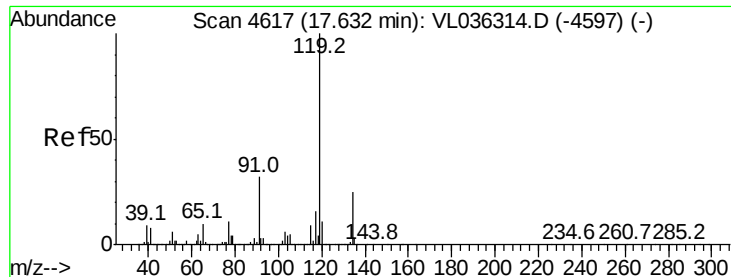
1000000

500000

0

Time-->





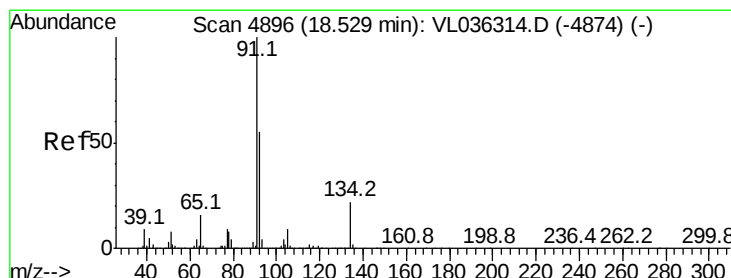
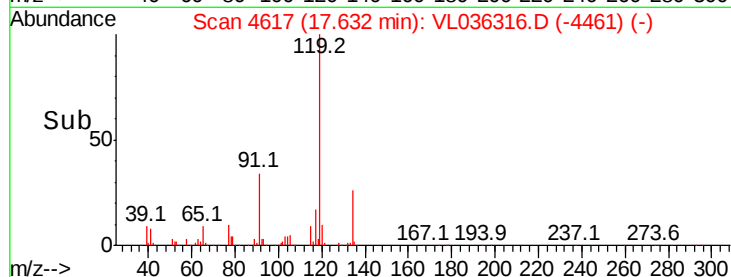
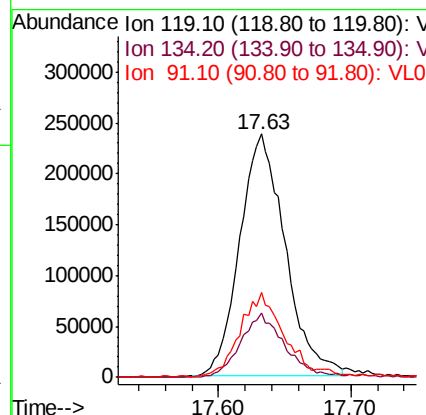
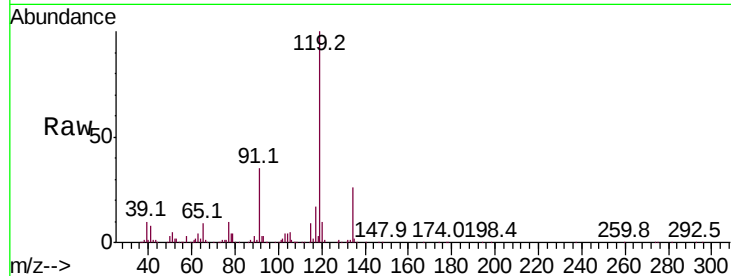
#69
 p-Isopropyltoluene
 Concen: 0.994 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. 0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	569845		
134	25.6		20.1	30.1
91	34.9		25.8	38.6

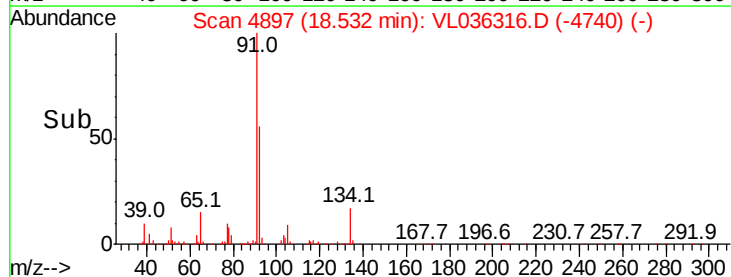
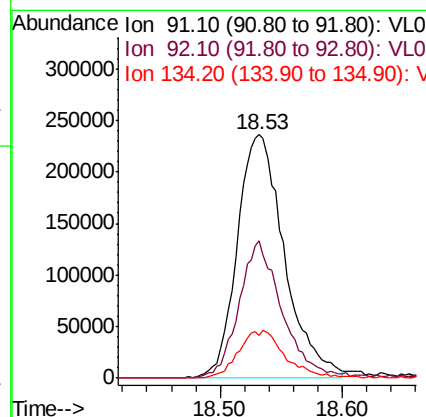
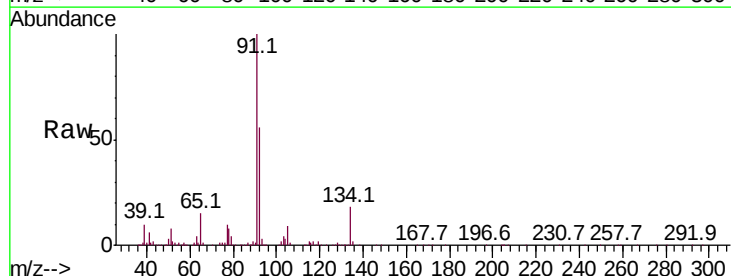
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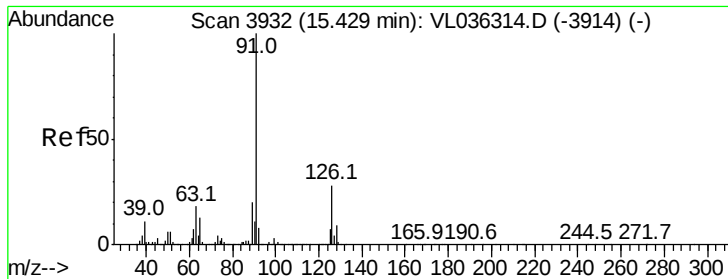
MMDadoda
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#70
 n-Butylbenzene
 Concen: 1.024 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	625463		
92	53.3		43.7	65.5
134	20.0		17.4	26.0





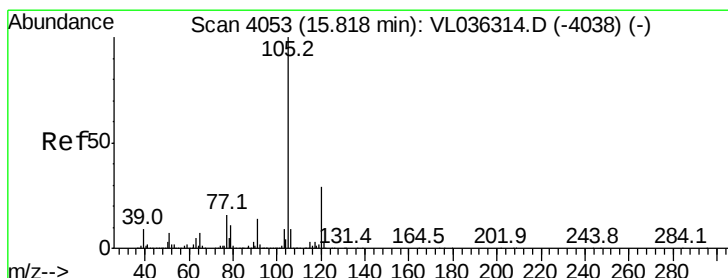
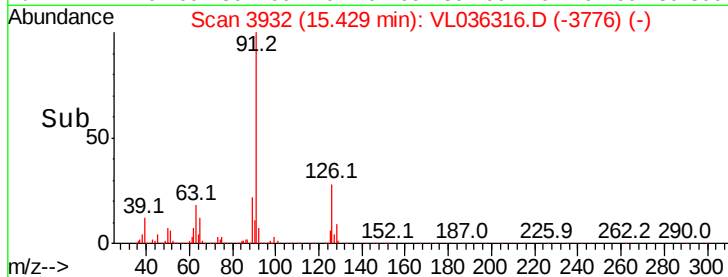
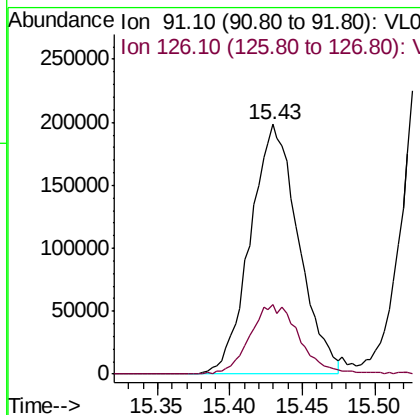
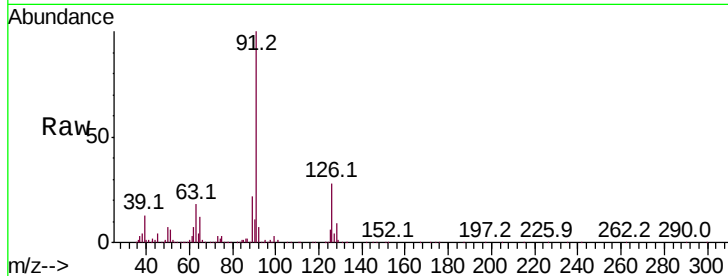
#71
 2-Chlorotoluene
 Concen: 1.014 ppbv
 RT: 15.43 min Scan# 3932
 Delta R.T. 0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
126	28.9	11.5	46.1

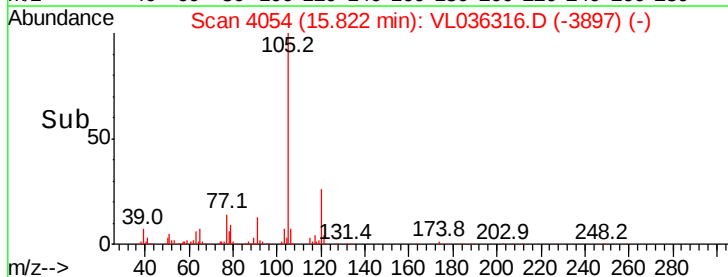
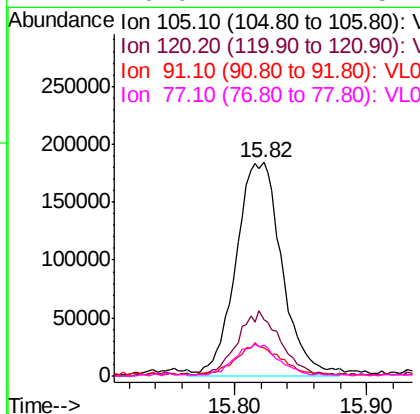
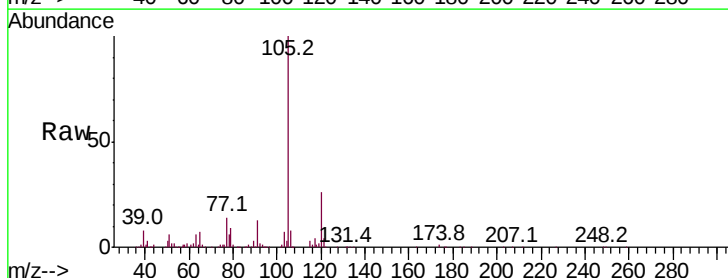
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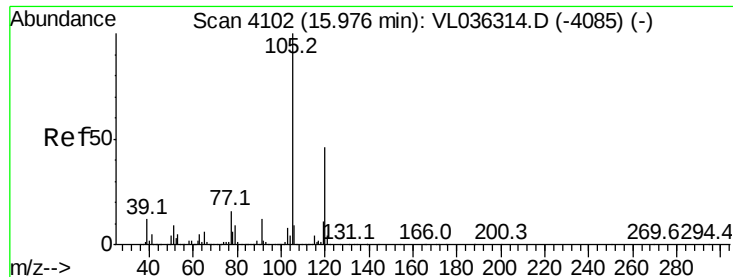
MMDadoda
 2/12/2021 1:41:54 PM



#72
 4-Ethyltoluene
 Concen: 1.026 ppbv m
 RT: 15.82 min Scan# 4054
 Delta R.T. 0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.2	34.8
91	0.0	11.0	16.4#
77	0.0	12.2	18.4#





#73

1,3,5-Trimethylbenzene

Concen: 1.066 ppbv m

RT: 15.98 min Scan# 4103

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 443015

Ion Ratio Lower Upper

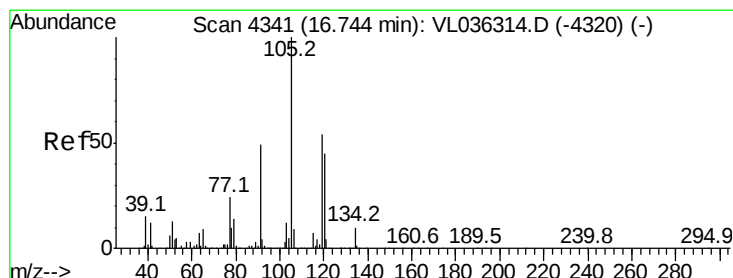
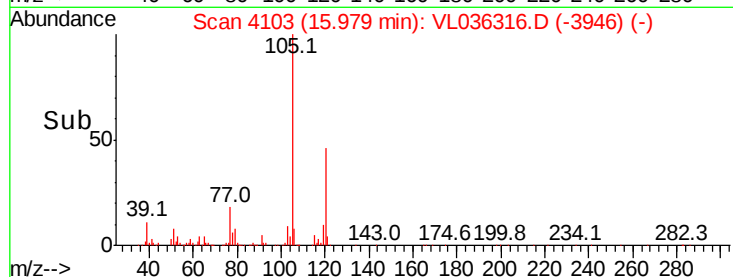
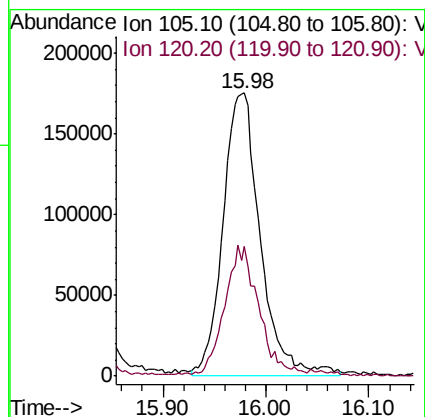
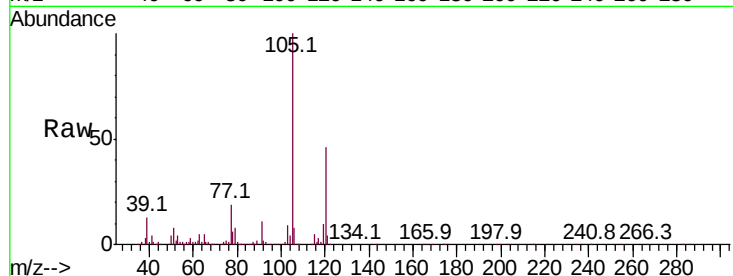
105 100

120 45.7 36.9 55.3

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#74

1,2,4-Trimethylbenzene

Concen: 1.065 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Tgt Ion:105 Resp: 454099

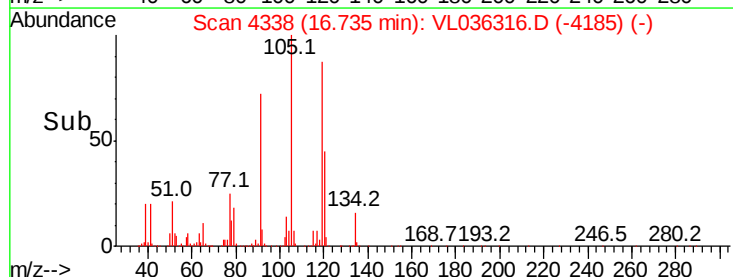
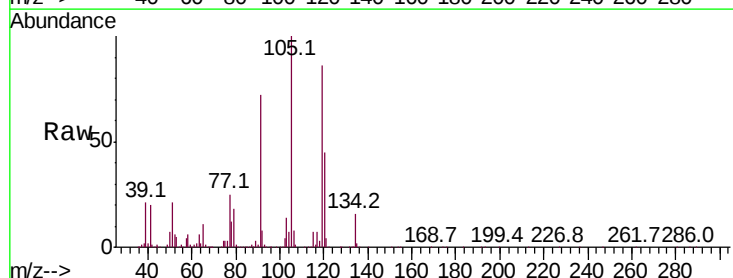
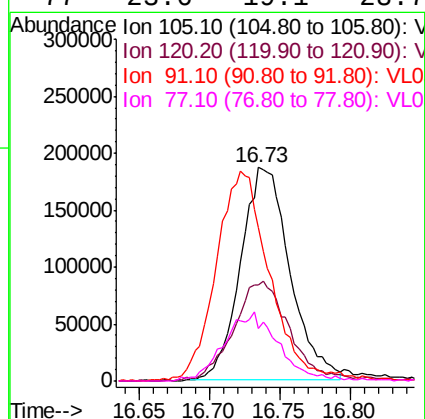
Ion Ratio Lower Upper

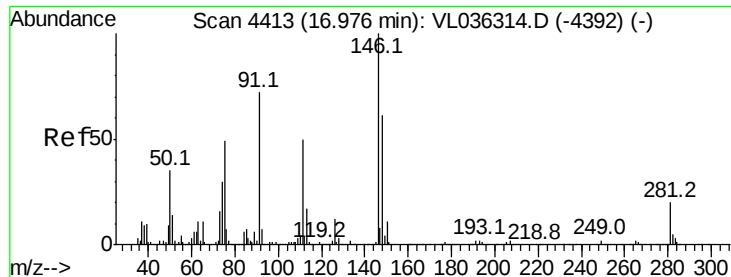
105 100

120 44.0 35.8 53.6

91 68.5 39.8 59.6#

77 23.6 19.1 28.7





#75

1,3-Dichlorobenzene

Concen: 1.015 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:146 Resp: 232085

Ion Ratio Lower Upper

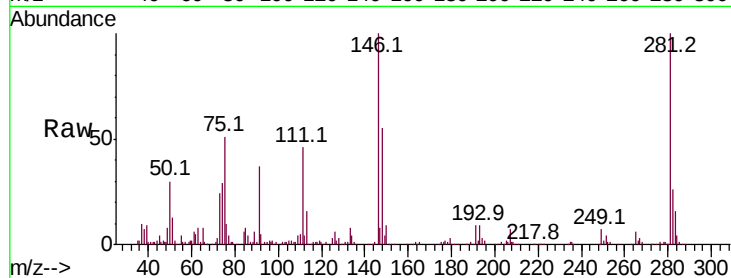
146 100

111 51.4 24.9 74.6

148 67.3 31.9 95.9

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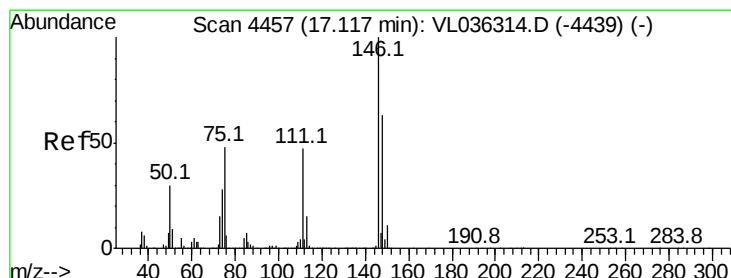
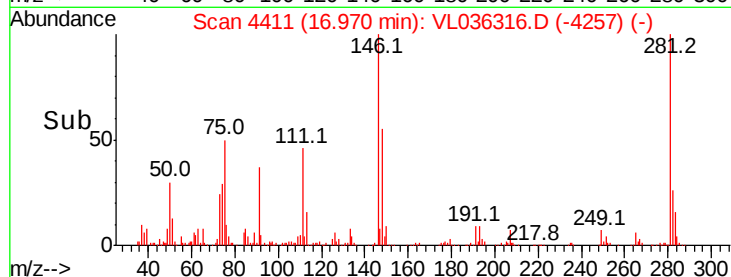
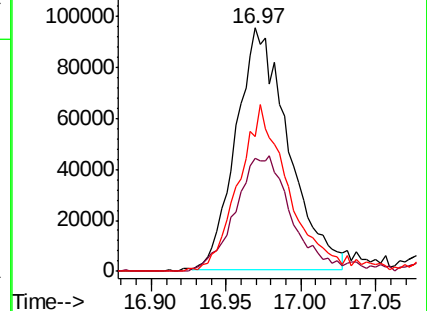
MMDadoda
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 1.092 ppbv m

RT: 17.11 min Scan# 4456

Delta R.T. -0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

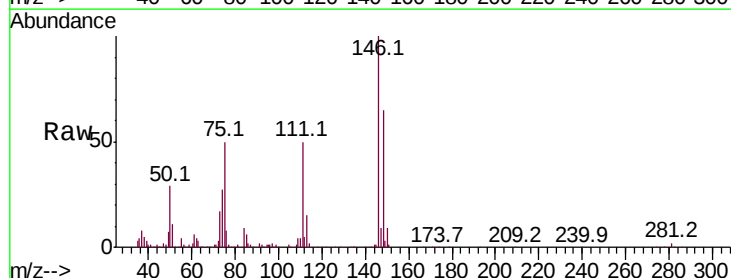
Tgt Ion:146 Resp: 246692

Ion Ratio Lower Upper

146 100

111 45.5 23.6 71.0

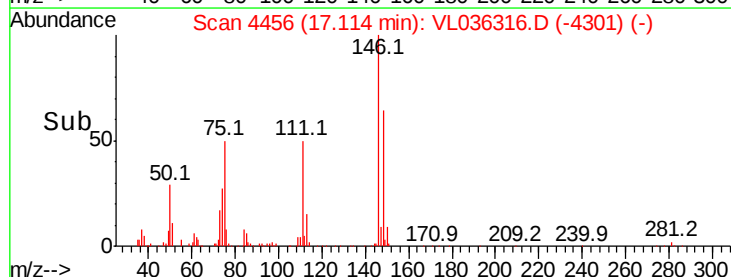
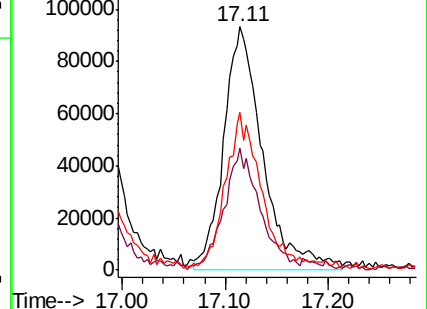
148 60.0 31.6 95.0

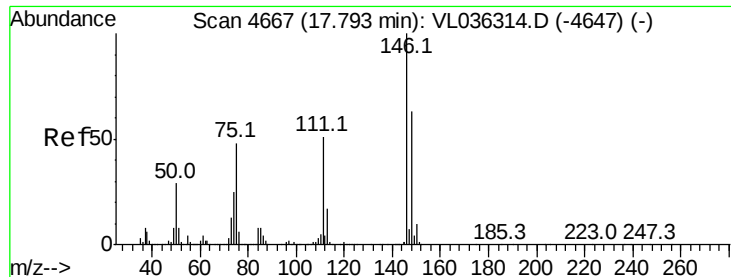


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





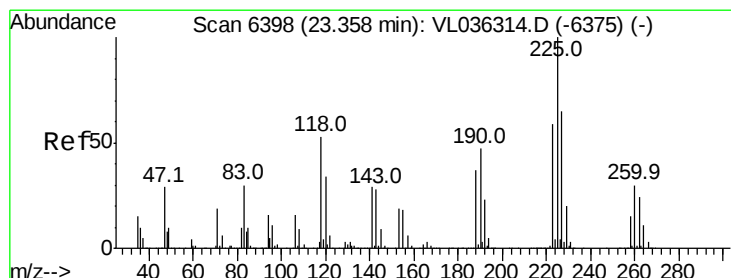
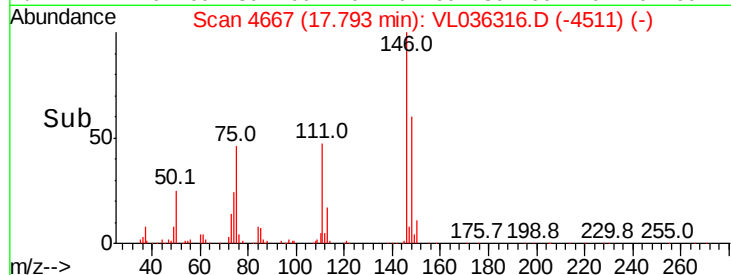
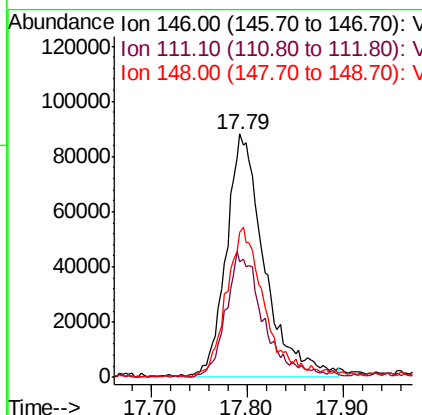
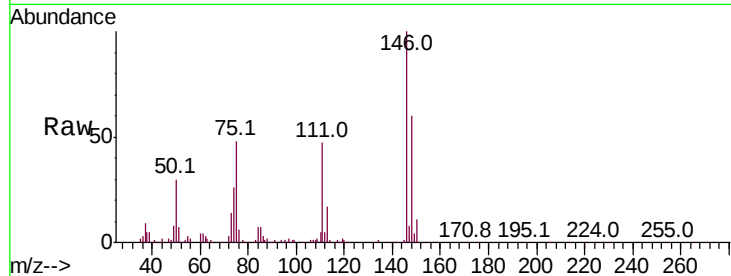
#77
 1,2-Dichlorobenzene
 Concen: 1.095 ppbv m
 RT: 17.79 min Scan# 4667
 Delta R.T. 0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.8	25.9	77.8
148	61.1	32.5	97.4

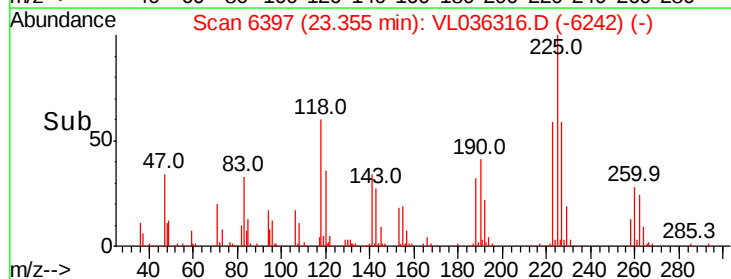
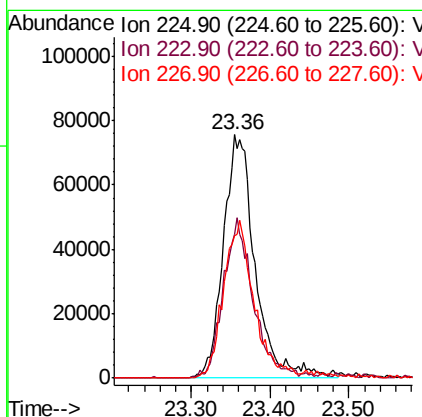
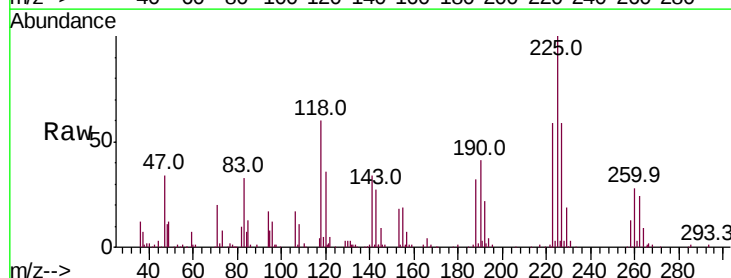
Manual Integrations
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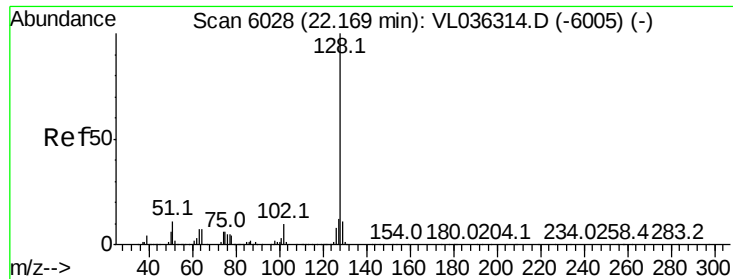
MMDadoda
 2/12/2021 1:41:54 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.181 ppbv m
 RT: 23.36 min Scan# 6397
 Delta R.T. -0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.8	76.2
227	61.6	52.2	78.2





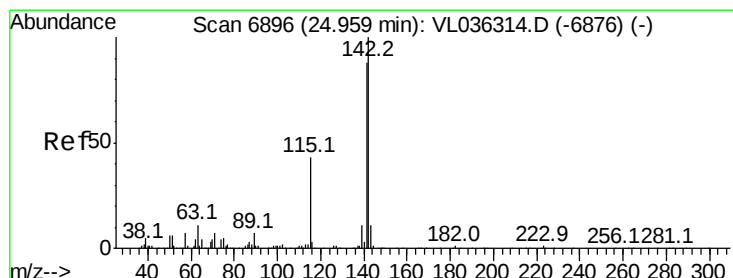
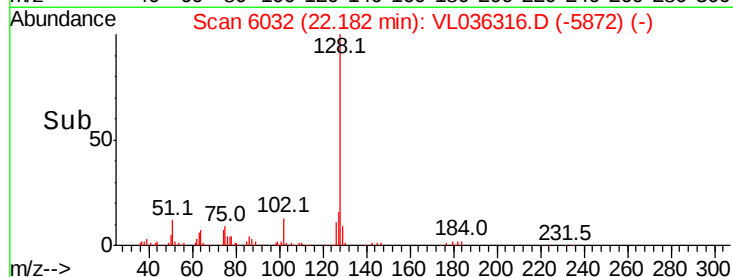
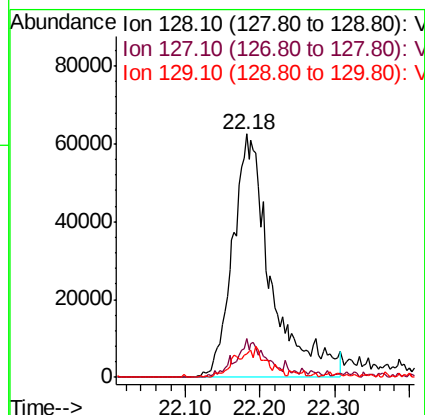
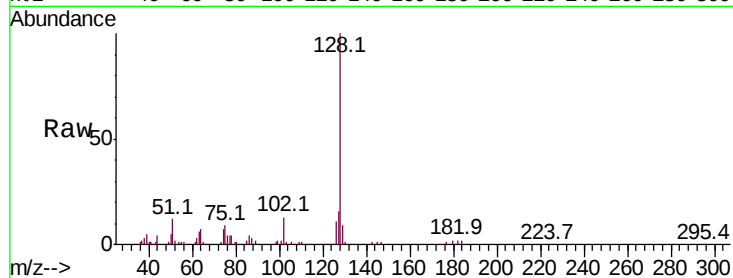
#79
Naphthalene
Concen: 0.892 ppbv m
RT: 22.18 min Scan# 6032
Delta R.T. 0.01 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
128	100	222337		
127	15.8	9.6	14.4#	
129	9.4	8.5	12.7	

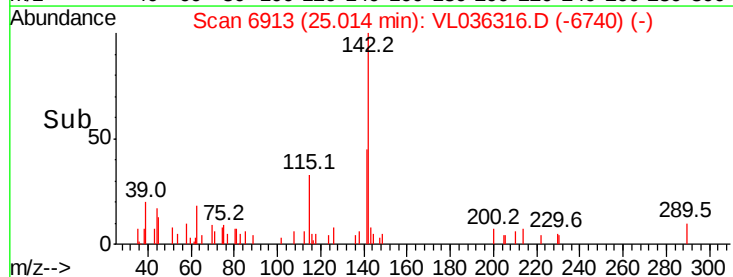
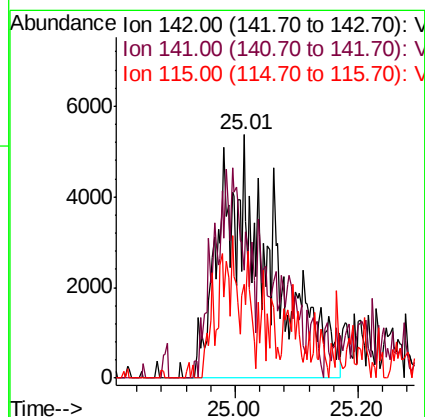
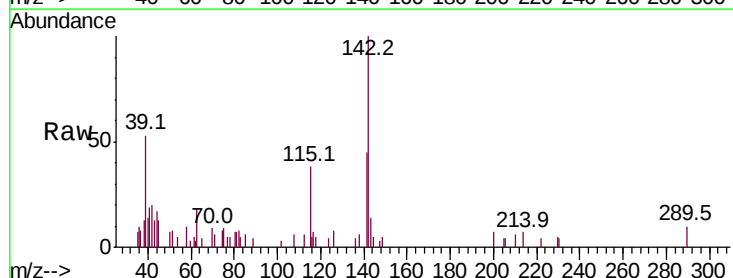
Manual Integrations
APPROVED

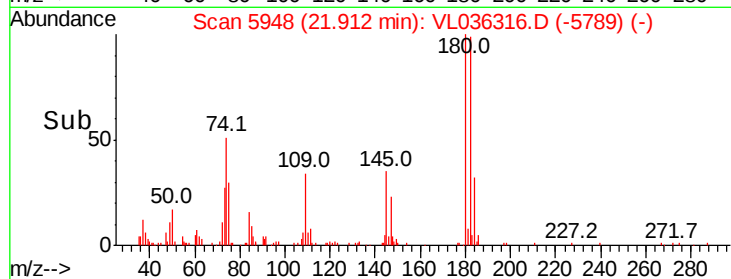
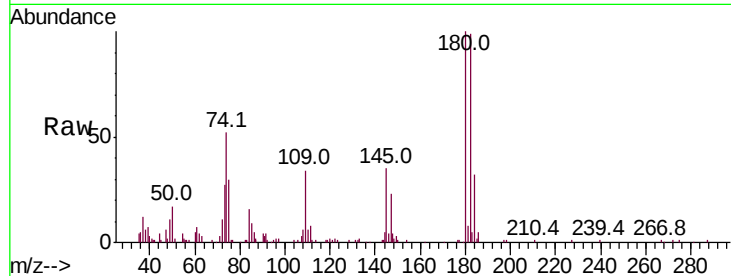
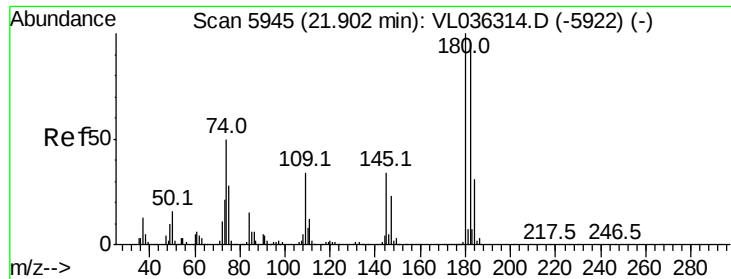
MMDadoda
2/12/2021 1:41:54 PM



#80
Naphthalene, 2-methyl-
Concen: 0.576 ppbv m
RT: 25.01 min Scan# 6913
Delta R.T. 0.05 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	30633		
141	0.0	64.4	96.6#	
115	16.0	34.6	51.8#	





#81
 1,2,4-Trichlorobenzene
 Concen: 1.071 ppbv m
 RT: 21.91 min Scan# 5948
 Delta R.T. 0.01 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	94.8	80.2	120.4
184	30.3	25.0	37.6

Manual Integrations
 APPROVED

MMDadoda
 2/12/2021 1:41:54 PM

