

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036321.D
 Acq On : 10 Feb 2021 16:21
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL021021

Manual Integrations
 APPROVED

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 2/12/2021 1:42:05 PM

Quant Time: Feb 10 16:55:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1475647	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3496901	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3209380m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2723245	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1800175	8.174	ppbv	99
3) Chlorodifluoromethane	2.98	51	1584728	8.643	ppbv	99
4) Chloromethane	3.12	50	788108	8.897	ppbv	97
5) Vinyl Chloride	3.24	62	776559	9.415	ppbv	98
6) Bromomethane	3.46	94	441992	9.015	ppbv	95
7) Chloroethane	3.54	64	275180	9.396	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1755748	8.766	ppbv	95
9) Propene	3.00	41	732435	10.715	ppbv	99
10) Heptane	8.10	43	1868771	9.276	ppbv	98
11) Trichlorofluoromethane	3.93	101	1875489	8.697	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1197332	8.963	ppbv	98
13) Ethanol	3.59	45	100814m	7.852	ppbv	
14) Bromoethene	3.72	108	530634	9.491	ppbv	98
15) Acetone	3.83	43	1451466	8.047	ppbv	99
16) 1,3-Butadiene	3.31	39	756370	8.769	ppbv	100
17) tert-Butyl alcohol	4.28	59	1453174	10.378	ppbv	100
18) 1,1-Dichloroethene	4.27	96	539587	8.888	ppbv	93
19) Isopropyl Alcohol	3.95	45	961716	9.623	ppbv #	98
20) Methylene Chloride	4.33	84	462270	7.944	ppbv	99
21) Allyl Chloride	4.39	41	927372	9.234	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	532784	9.661	ppbv	96
23) Vinyl Acetate	5.06	43	1953120	9.209	ppbv #	98
24) 1,1-Dichloroethane	5.00	63	1431115	9.124	ppbv	98
25) Ethyl Acetate	5.66	43	3215985	9.235	ppbv	100
26) Hexane	5.67	57	1297925	9.071	ppbv	99
27) Carbon Disulfide	4.53	76	1343748	10.219	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1869299	10.001	ppbv	99
29) Chloroform	5.74	83	2003431	8.691	ppbv	99
30) Cyclohexane	7.11	84	1072459	9.013	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1334708	9.428	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1998139	9.272	ppbv	98
34) 2-Butanone	5.23	43	1999344	8.605	ppbv	99
35) Carbon Tetrachloride	7.00	117	1985912	8.474	ppbv	100
36) Benzene	6.87	78	2648658	8.917	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1576262	8.583	ppbv	99
38) Trichloroethene	7.82	130	900325	8.460	ppbv	96
39) 1,2-Dichloropropane	7.60	63	1073080	8.893	ppbv	97
40) 1,4-Dioxane	7.81	88	364459	8.717	ppbv #	1
41) Tetrahydrofuran	6.03	42	1227861	9.470	ppbv	99
42) Bromodichloromethane	7.77	83	2173497	8.836	ppbv	100
43) Methyl Methacrylate	8.00	69	1205172	9.620	ppbv	100

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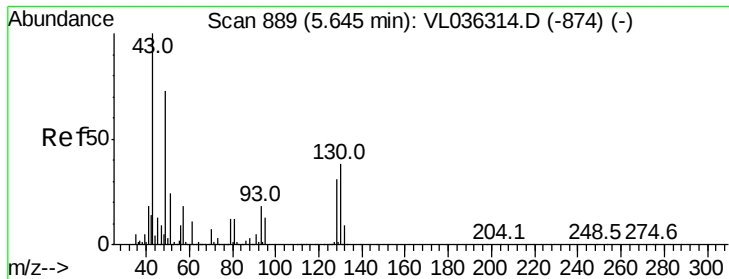
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.85	57	4528172	8.383	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1289753	10.672	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	1556375	10.138	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1025424	8.304	ppbv	97
48) Dibromochloromethane	10.28	129	1712701	9.294	ppbv	99
49) Bromoform	13.02	173	1336038	8.969	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	3133598	9.085	ppbv	99
51) 2-Hexanone	10.12	43	2539009	9.688	ppbv #	98
52) Tetrachloroethene	11.20	164	851600	7.831	ppbv	95
53) Toluene	9.79	91	2939671	9.136	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1537873	8.617	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	1258554	8.526	ppbv	99
57) Chlorobenzene	12.13	112	2070488	8.350	ppbv	98
58) Ethyl Benzene	12.69	91	3938586	8.962	ppbv	99
59) m/p-Xylene	12.98	91	6554552m	16.980	ppbv	
60) o-Xylene	13.68	91	3092565	8.379	ppbv	100
61) Styrene	13.51	104	2162367	9.454	ppbv	99
62) Isopropylbenzene	14.65	105	4587020	8.291	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2100007	7.211	ppbv	99
64) n-propylbenzene	15.55	120	1168762	8.584	ppbv	100
65) tert-Butylbenzene	16.73	119	3852553	8.139	ppbv	99
66) Benzyl Chloride	16.97	91	1261203	9.801	ppbv	99
67) sec-Butylbenzene	17.28	105	5540473	8.116	ppbv	100
69) p-Isopropyltoluene	17.64	119	4564824	8.653	ppbv	100
70) n-Butylbenzene	18.54	91	4859430	8.590	ppbv	99
71) 2-Chlorotoluene	15.44	91	3541884	8.352	ppbv	99
72) 4-Ethyltoluene	15.82	105	3523189	8.578	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	3327544	8.357	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3367966	8.286	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	1784316	8.087	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	1775552	7.750	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	1793083	8.192	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1466826	8.203	ppbv	100
79) Naphthalene	22.18	128	2930266	12.161	ppbv #	96
80) Naphthalene, 2-methyl-	24.96	142	902409	20.227	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	1481498	10.078	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.01 min

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MSVOA_L

ClientSampleId :

ICVVL021021

Tot Ion: 49 Resp: 1475647

Ion Ratio Lower Upper

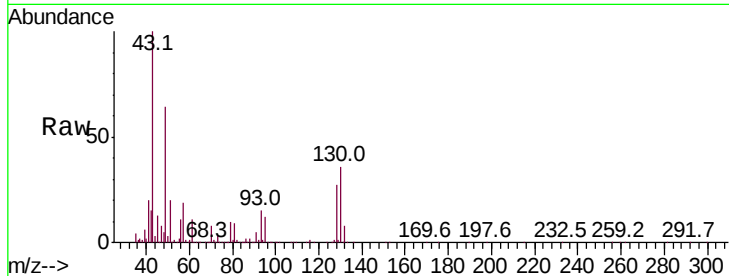
49 100

128 43.4 20.8 62.5

130 55.9 26.7 80.1

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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

800000

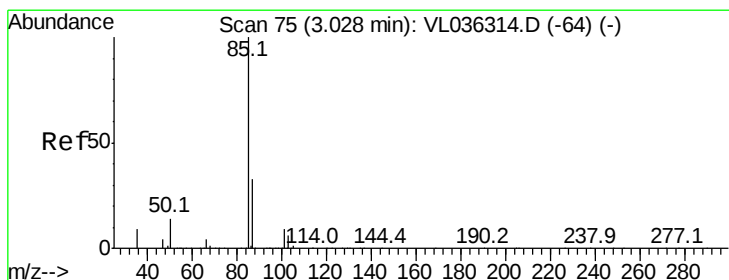
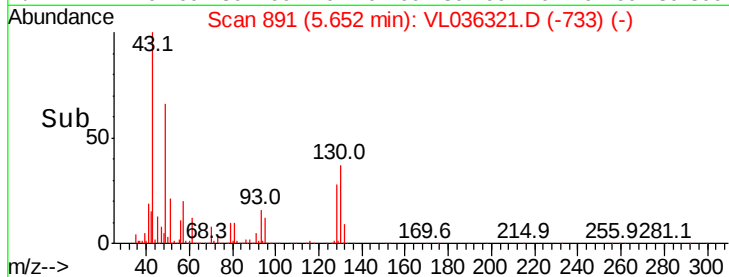
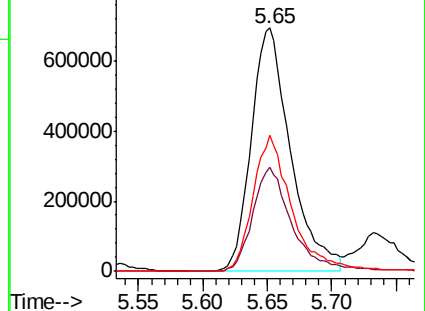
600000

400000

200000

0

5.55 5.60 5.65 5.70



#2

Dichlorodifluoromethane

Concen: 8.174 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.01 min

Lab File: VL036321.D

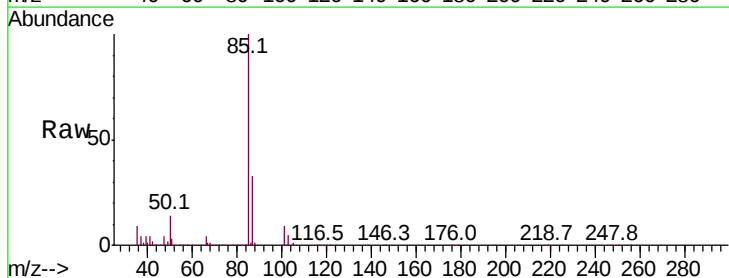
Acq: 10 Feb 2021 16:21

Tgt Ion: 85 Resp: 1800175

Ion Ratio Lower Upper

85 100

87 32.6 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

1200000

1000000

800000

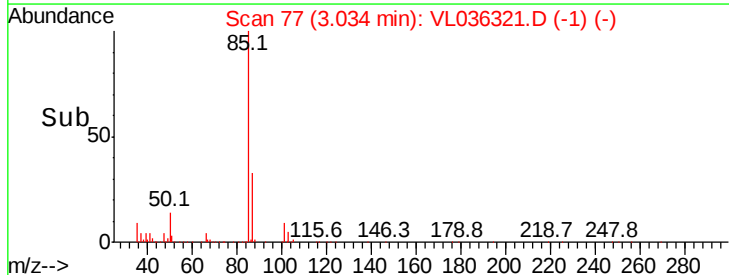
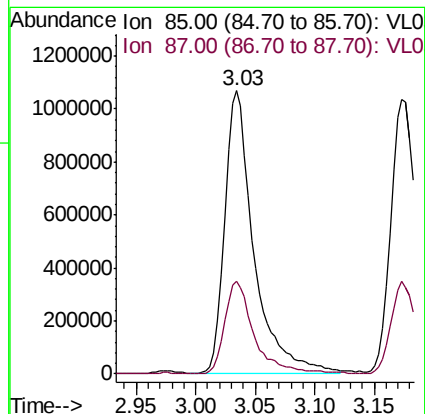
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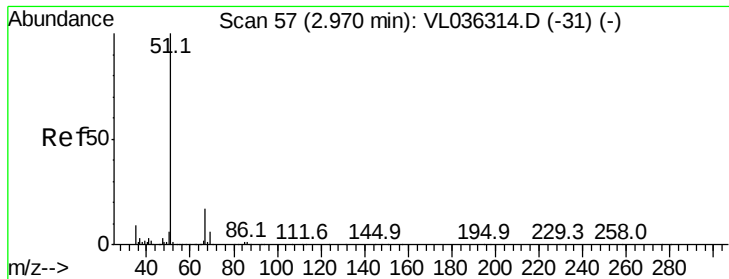
400000

200000

0

2.95 3.00 3.05 3.10 3.15





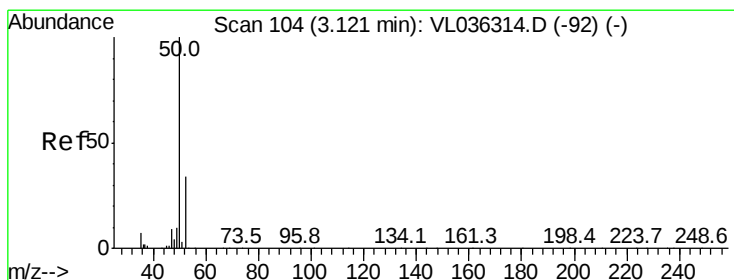
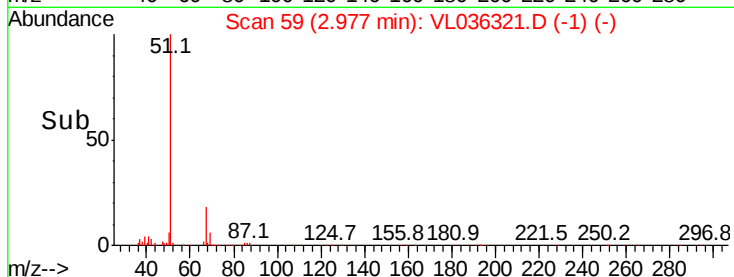
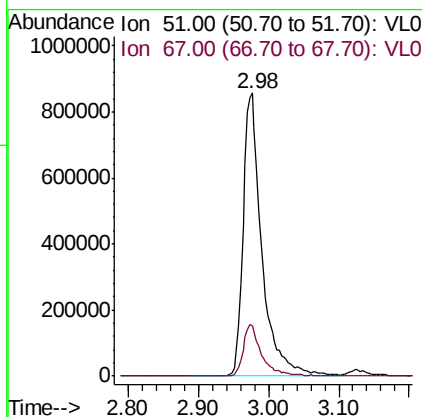
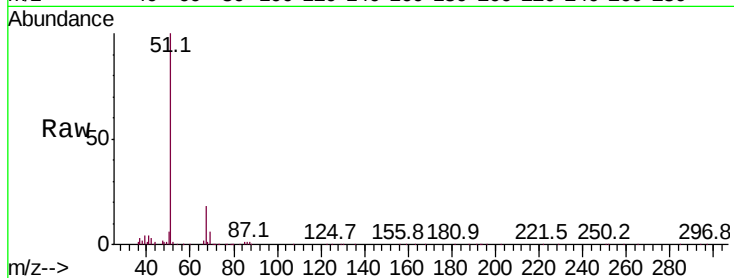
#3
Chlorodifluoromethane
Concen: 8.643 ppbv
RT: 2.98 min Scan# 59
Delta R.T. 0.01 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

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Tot Ion: 51 Resp: 1584728
Ion Ratio Lower Upper
51 100
67 17.9 14.7 22.1

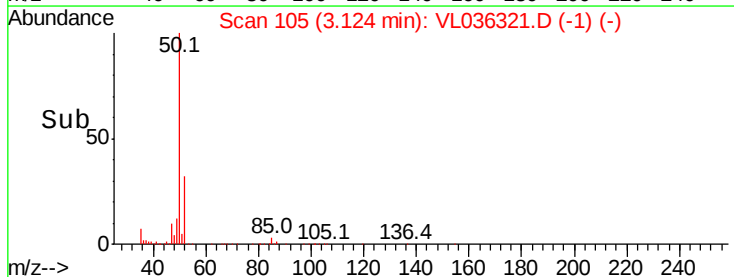
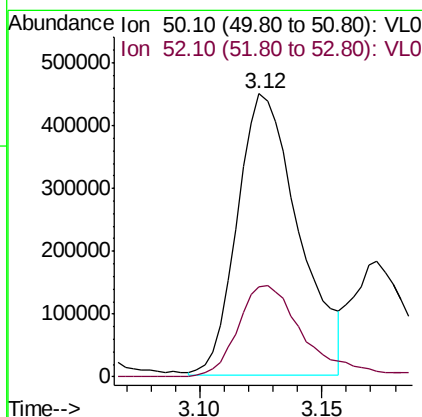
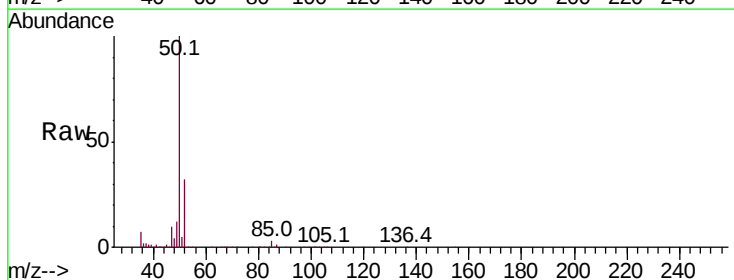
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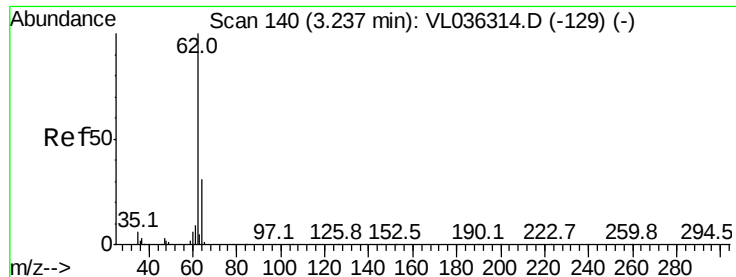
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#4
Chloromethane
Concen: 8.897 ppbv
RT: 3.12 min Scan# 105
Delta R.T. 0.00 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Tgt Ion: 50 Resp: 788108
Ion Ratio Lower Upper
50 100
52 32.2 27.0 40.4





#5

Vinyl Chloride

Concen: 9.415 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.00 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :

MSVOA_L

ClientSampleId :

ICVVL021021

Tot Ion: 62 Resp: 776559

Ion Ratio Lower Upper

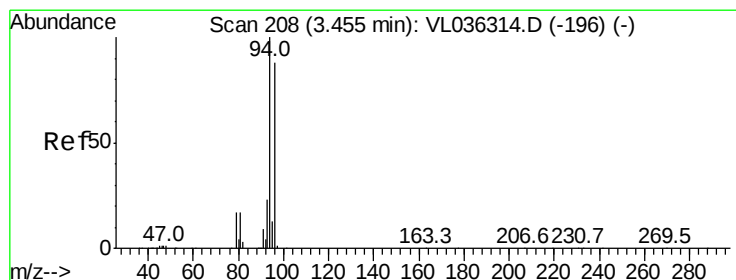
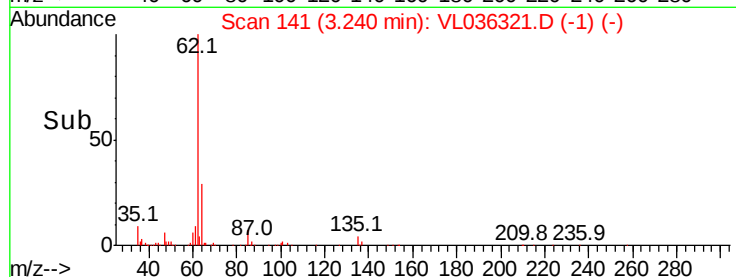
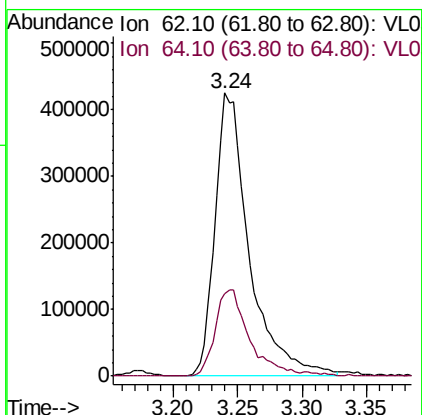
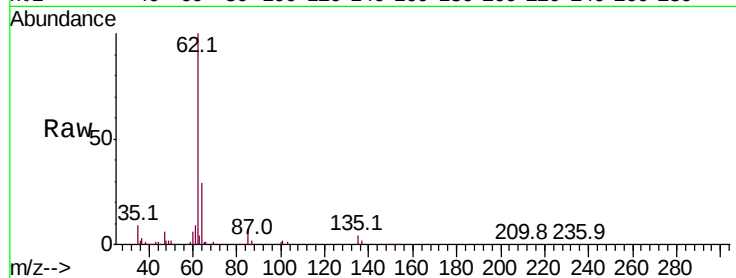
62 100

64 29.3 24.4 36.6

Manual Integrations
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#6

Bromomethane

Concen: 9.015 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036321.D

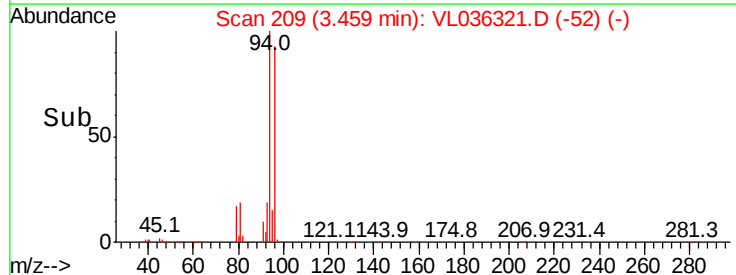
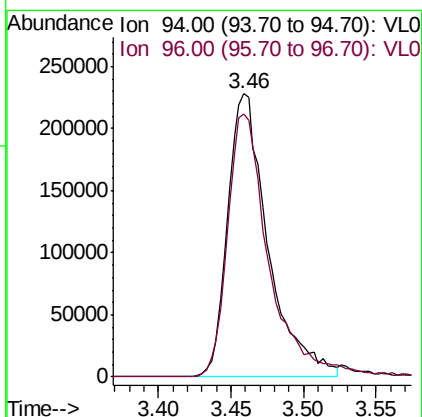
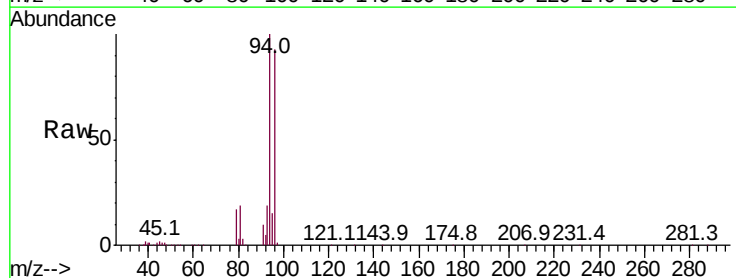
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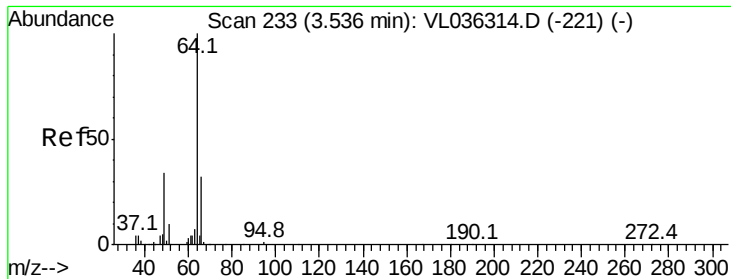
Tgt Ion: 94 Resp: 441992

Ion Ratio Lower Upper

94 100

96 92.9 70.8 106.2





#7

Chloroethane

Concen: 9.396 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :

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ClientSampleId :

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Tot Ion: 64 Resp: 275180

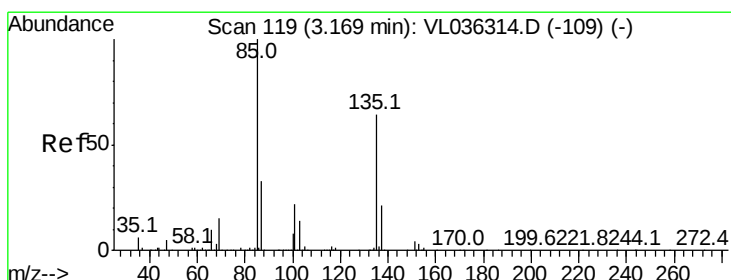
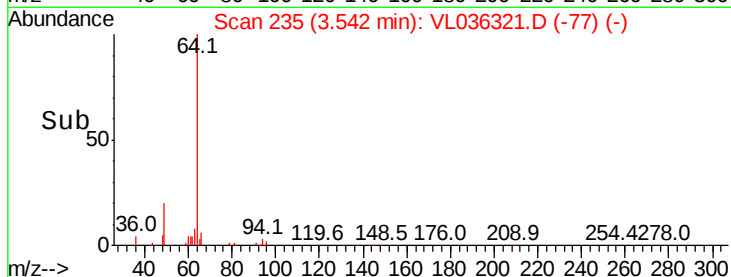
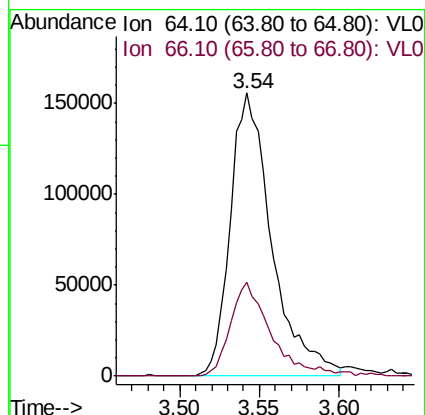
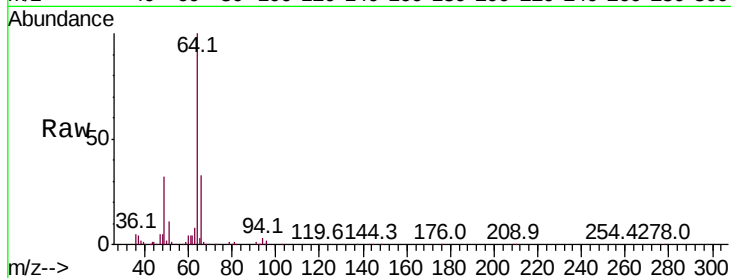
Ion Ratio Lower Upper

64 100

66 33.0 25.6 38.4

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#8

Dichlorotetrafluoroethane

Concen: 8.766 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL036321.D

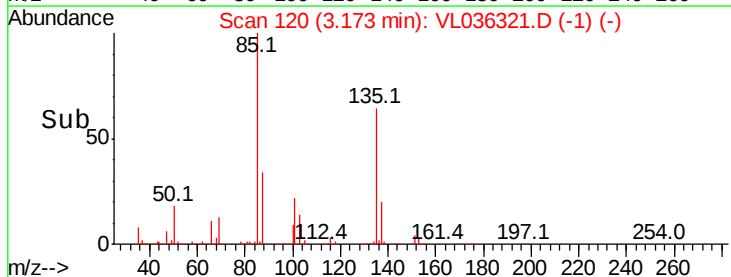
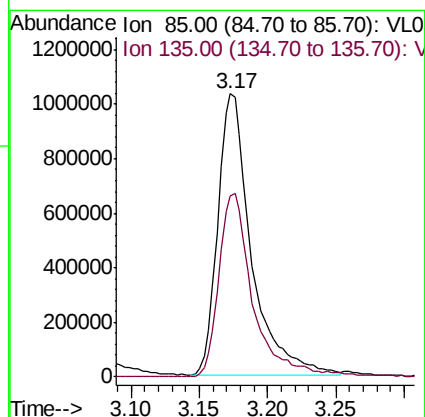
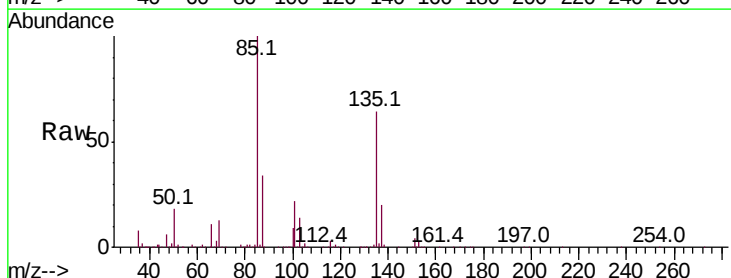
Acq: 10 Feb 2021 16:21

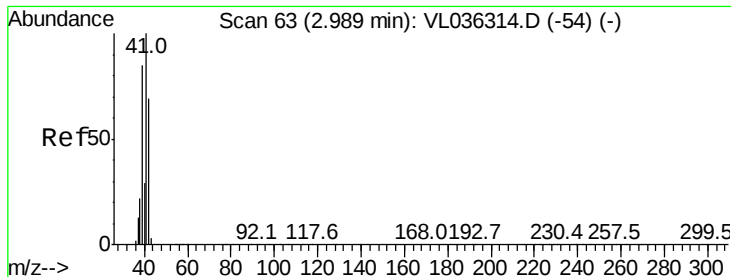
Tgt Ion: 85 Resp: 1755748

Ion Ratio Lower Upper

85 100

135 67.5 51.1 76.7





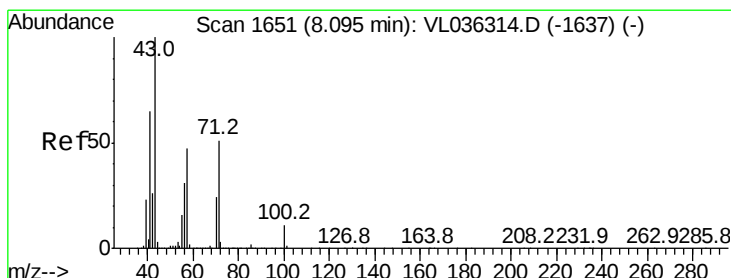
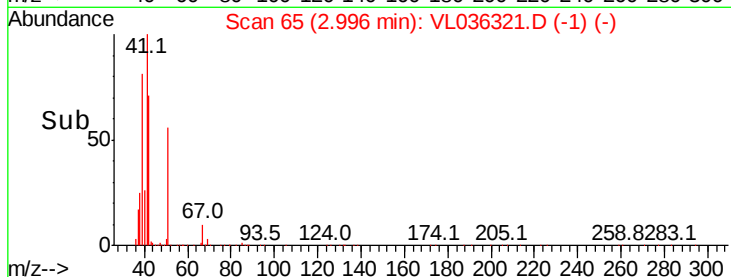
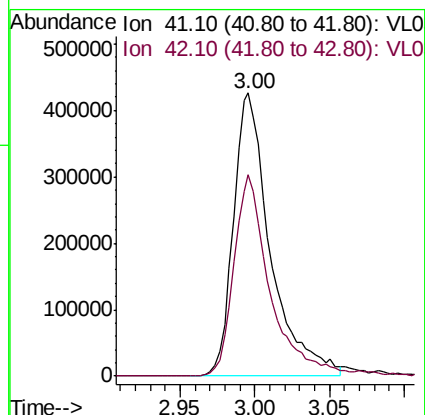
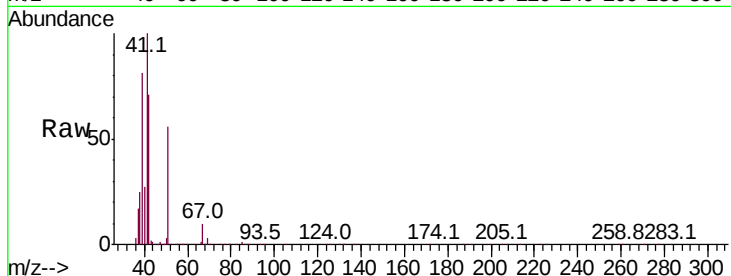
#9
 Propene
 Concen: 10.715 ppbv
 RT: 3.00 min Scan# 65
 Delta R.T. 0.01 min
 Lab File: VL036321.D
 Acq: 10 Feb 2021 16:21

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 MSVOA_L
 ClientSampleId :
 ICVVL021021

Tot Ion: 41 Resp: 732435
 Ion Ratio Lower Upper
 41 100
 42 71.1 56.2 84.2

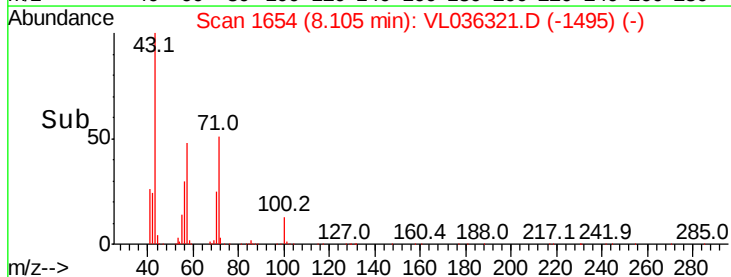
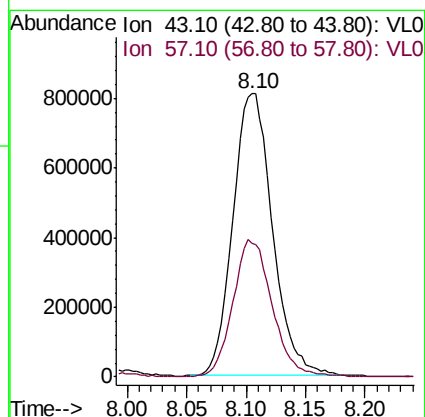
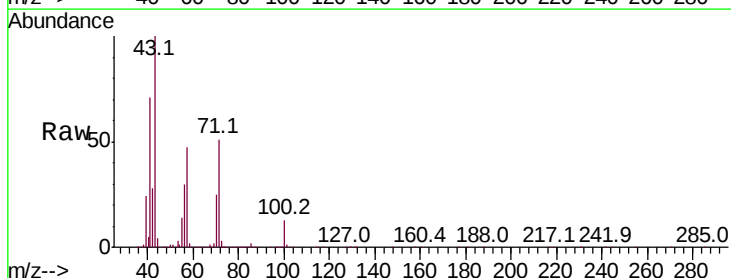
Manual Integrations
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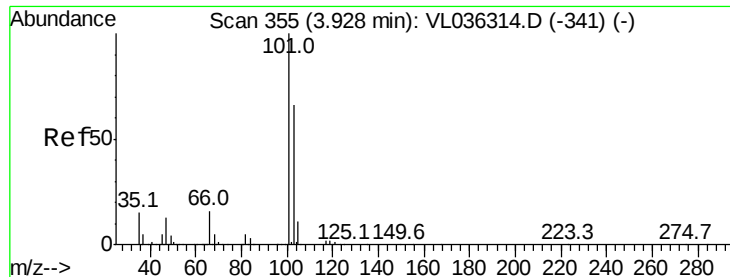
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#10
 Heptane
 Concen: 9.276 ppbv
 RT: 8.10 min Scan# 1654
 Delta R.T. 0.01 min
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Tgt Ion: 43 Resp: 1868771
 Ion Ratio Lower Upper
 43 100
 57 48.1 39.4 59.2





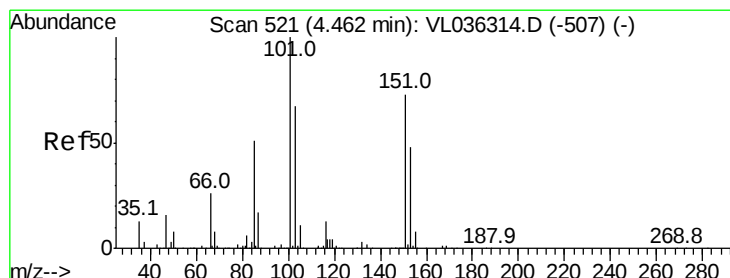
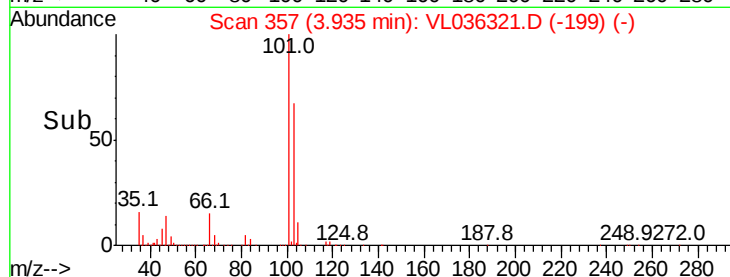
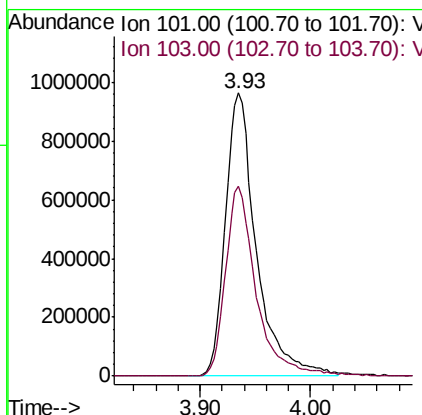
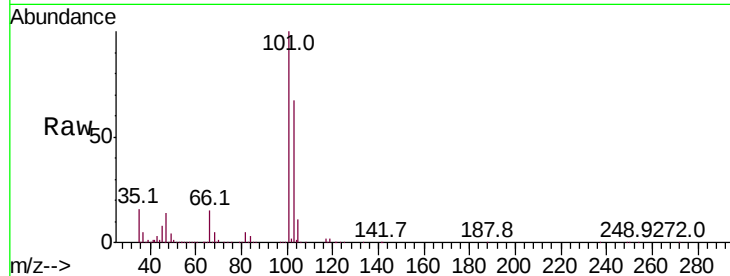
#11
 Trichlorofluoromethane
 Concen: 8.697 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. 0.01 min
 Lab File: VL036321.D
 Acq: 10 Feb 2021 16:21

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL021021

Tot Ion:101 Resp: 1875489
 Ion Ratio Lower Upper
 101 100
 103 67.0 52.9 79.3

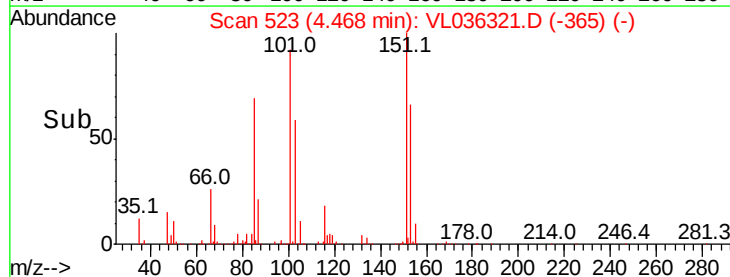
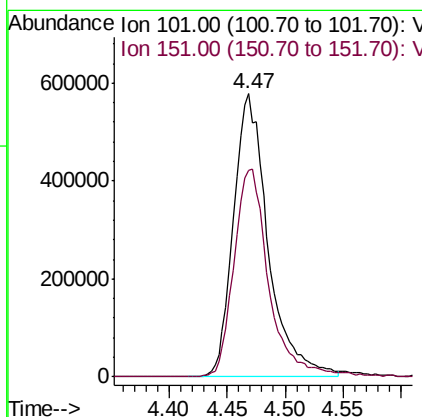
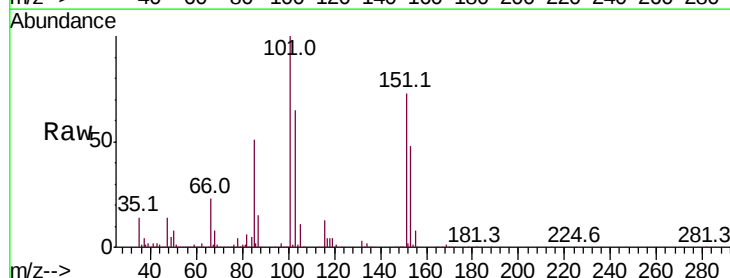
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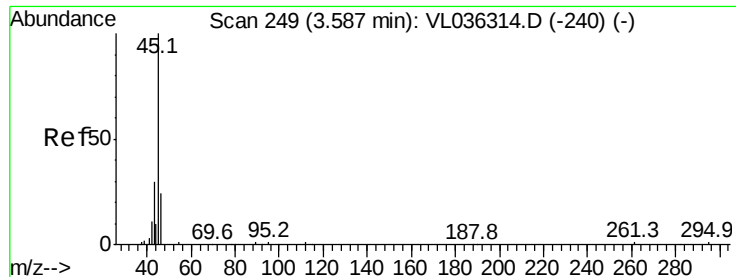
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.963 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VL036321.D
 Acq: 10 Feb 2021 16:21

Tgt Ion:101 Resp: 1197332
 Ion Ratio Lower Upper
 101 100
 151 74.4 58.2 87.4





#13

Ethanol

Concen: 7.852 ppbv m

RT: 3.59 min Scan# 251

Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :

MSVOA_L

ClientSampleId :

ICVVL021021

Tot Ion: 45 Resp: 100814

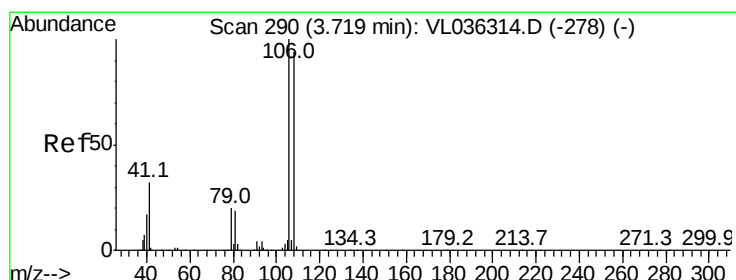
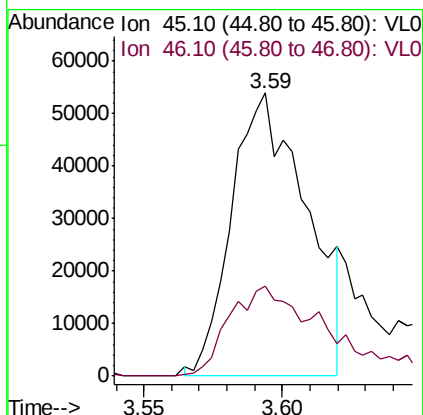
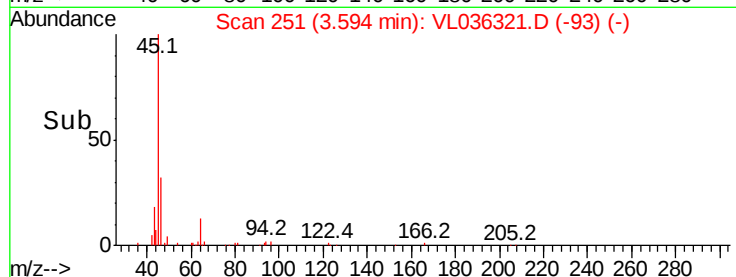
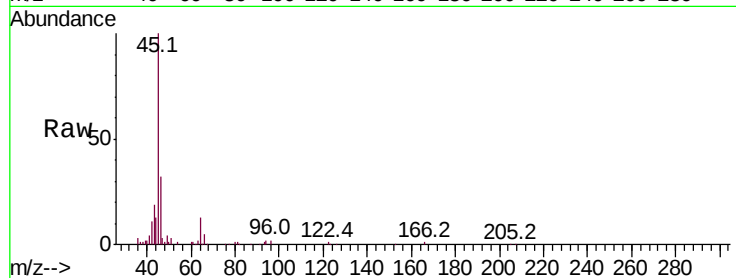
Ion Ratio Lower Upper

45 100

46 47.9 17.7 70.7

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#14

Bromoethene

Concen: 9.491 ppbv

RT: 3.72 min Scan# 291

Delta R.T. 0.00 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

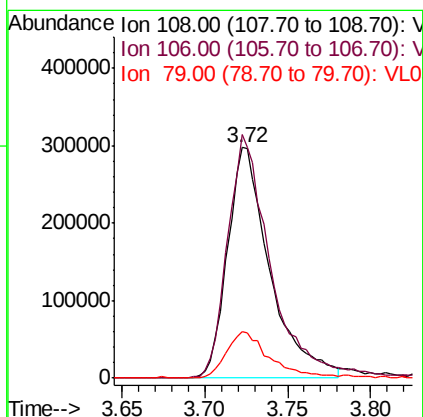
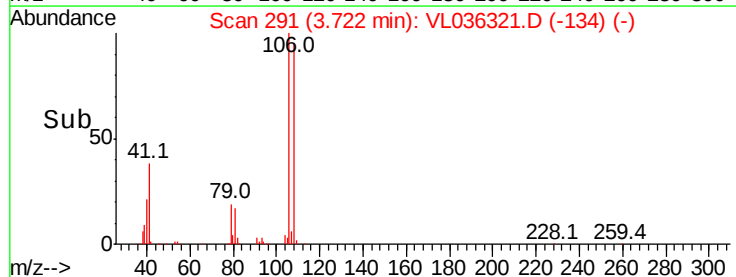
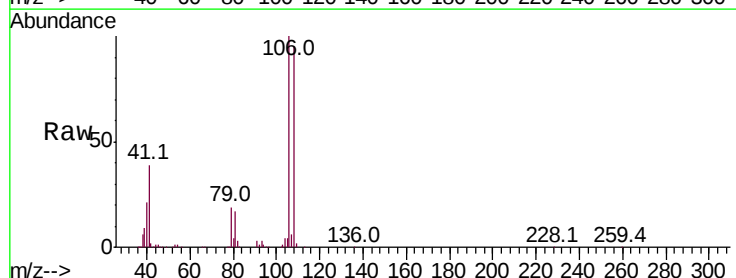
Tgt Ion: 108 Resp: 530634

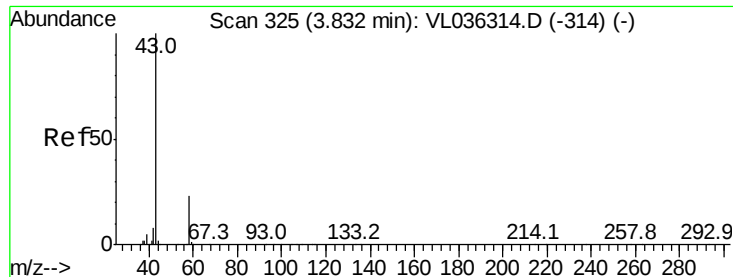
Ion Ratio Lower Upper

108 100

106 109.7 89.8 134.8

79 21.6 17.1 25.7





#15

Acetone

Concen: 8.047 ppbv

RT: 3.83 min Scan# 326

Delta R.T. 0.00 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :

MSVOA_L

ClientSampleId :

ICVVL021021

Tot Ion: 43 Resp: 1451466

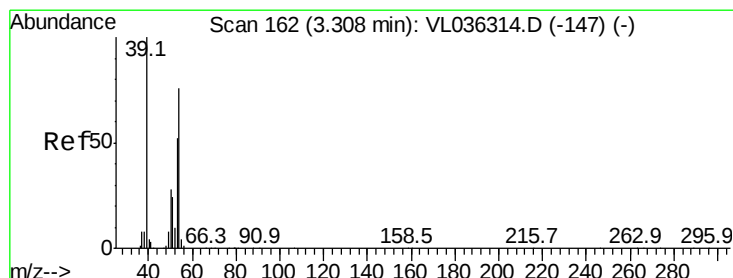
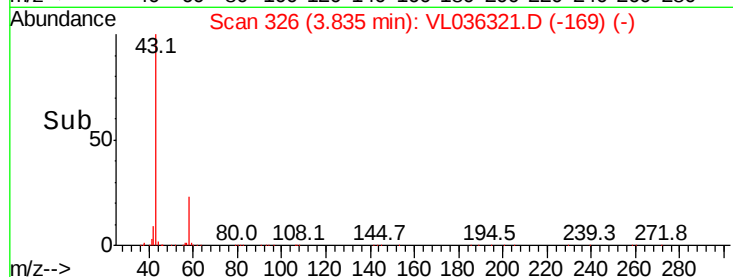
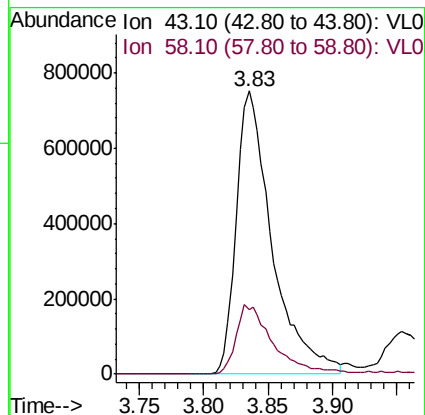
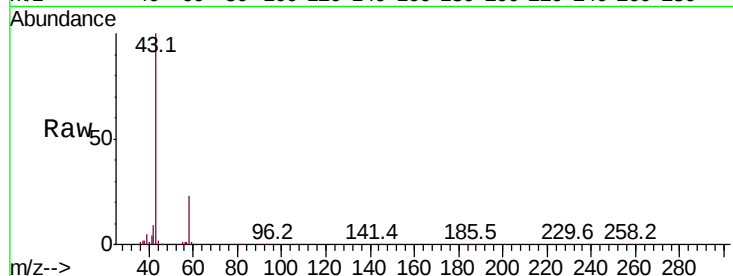
Ion Ratio Lower Upper

43 100

58 25.9 20.3 30.5

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#16

1,3-Butadiene

Concen: 8.769 ppbv

RT: 3.31 min Scan# 164

Delta R.T. 0.01 min

Lab File: VL036321.D

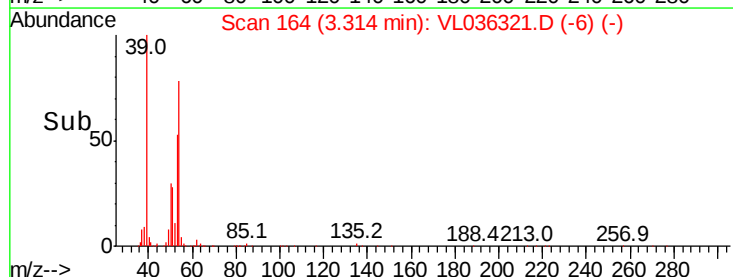
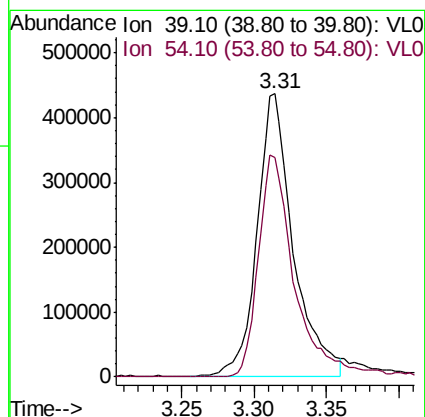
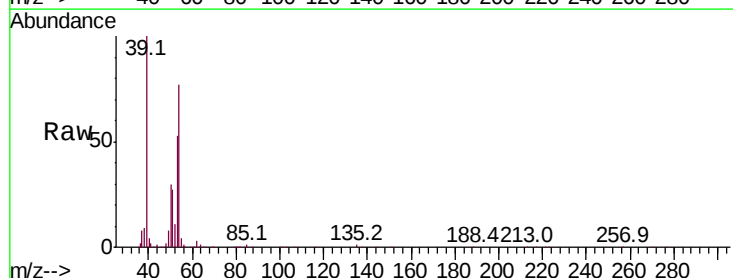
Acq: 10 Feb 2021 16:21

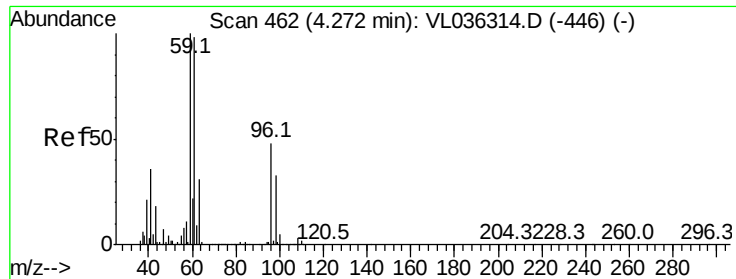
Tgt Ion: 39 Resp: 756370

Ion Ratio Lower Upper

39 100

54 80.5 64.4 96.6





#17

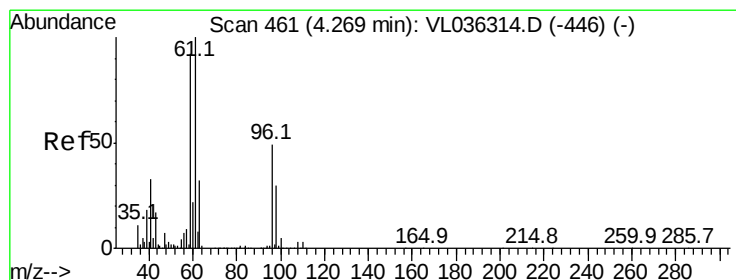
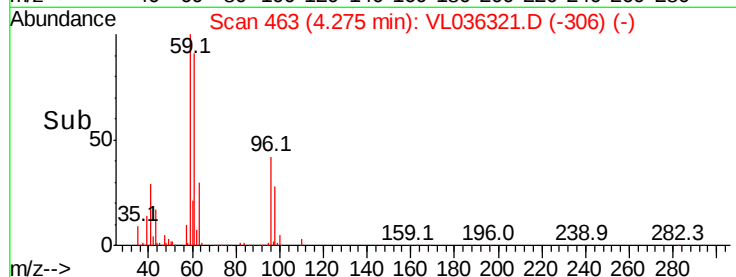
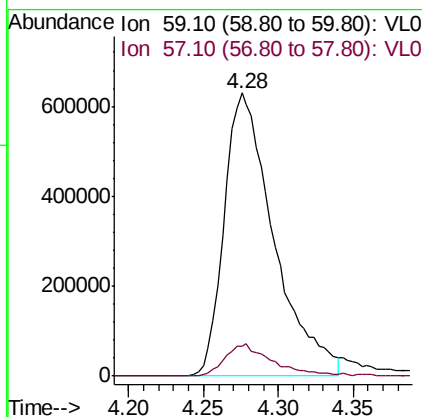
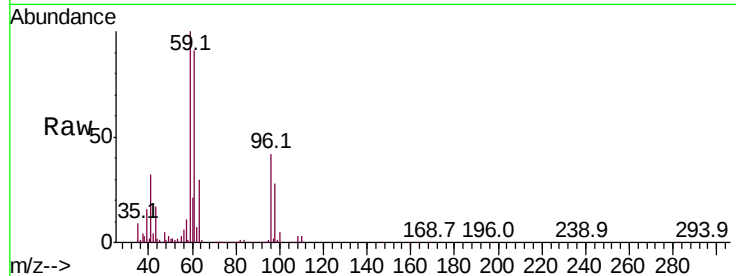
tert-Butyl alcohol
Concen: 10.378 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Instrument :
MSVOA_L
ClientSampleId :
ICVVL021021

Tot Ion: 59 Resp: 1453174
Ion Ratio Lower Upper
59 100
57 11.4 9.0 13.4

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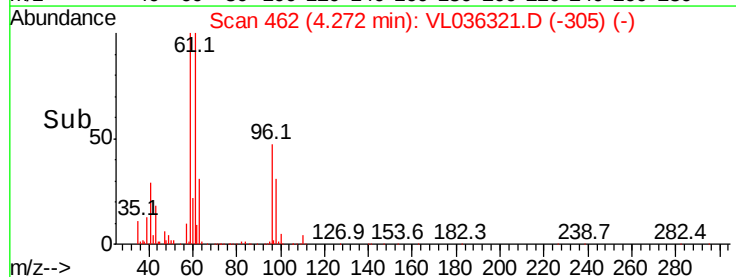
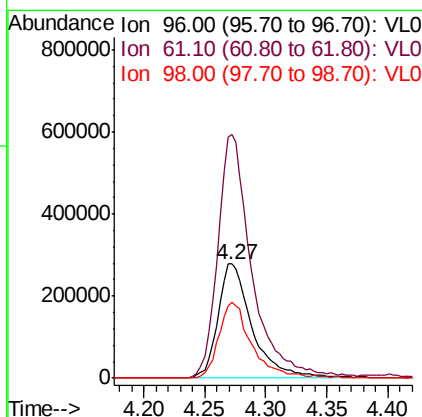
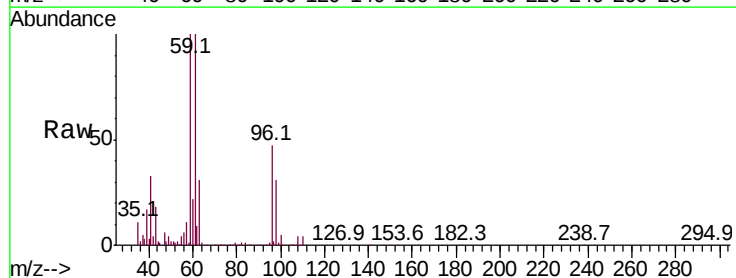
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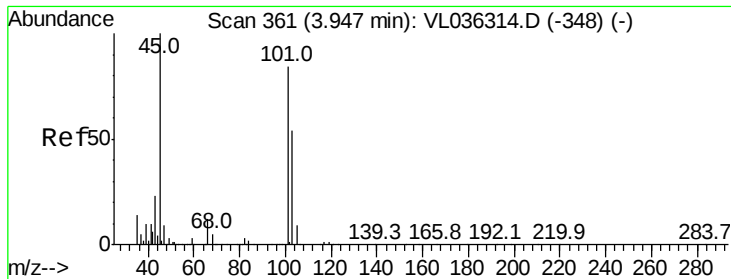


#18

1,1-Dichloroethene
Concen: 8.888 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Tgt Ion: 96 Resp: 539587
Ion Ratio Lower Upper
96 100
61 213.5 162.5 243.7
98 67.1 48.5 72.7





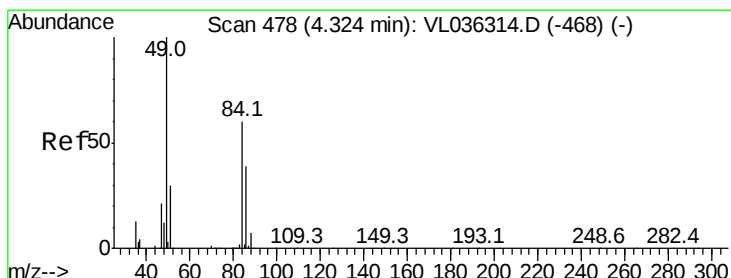
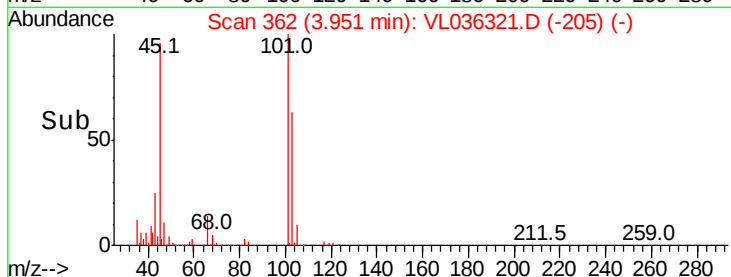
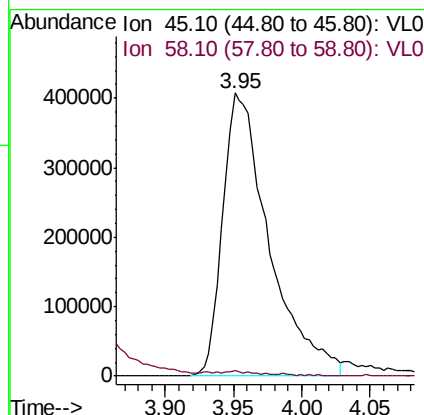
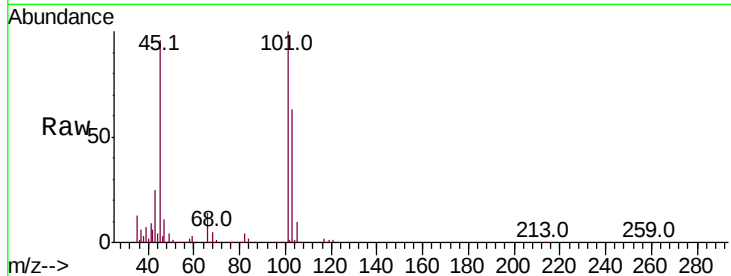
#19
Isopropyl Alcohol
Concen: 9.623 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.00 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Instrument :
MSVOA_L
ClientSampleId :
ICVVL021021

Tot Ion: 45 Resp: 961716
Ion Ratio Lower Upper
45 100
58 1.9 1.9 2.9#

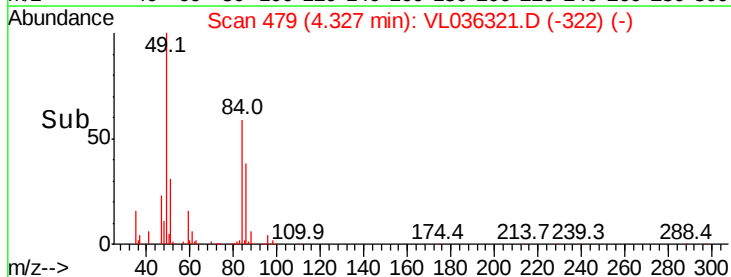
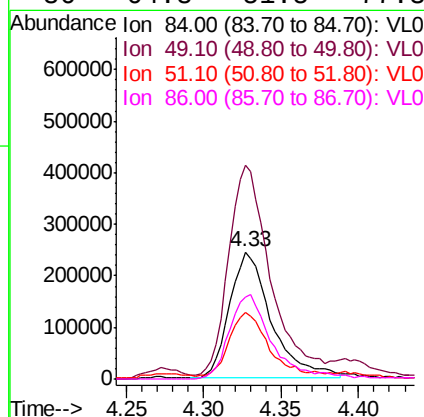
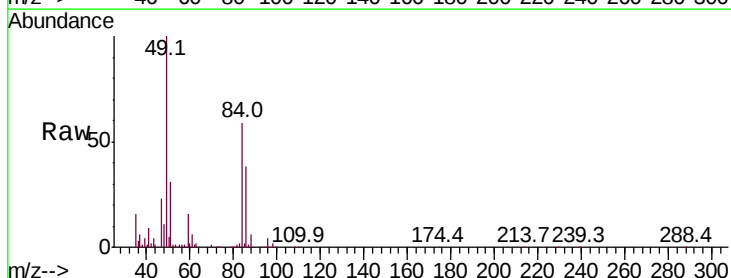
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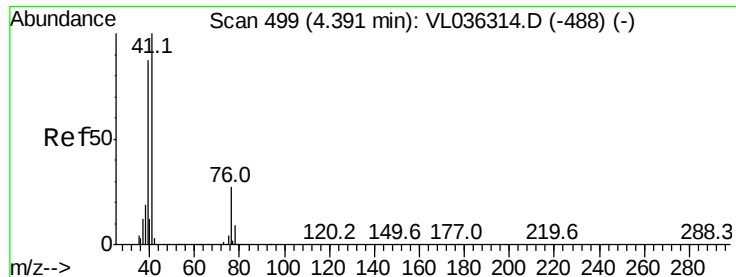
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#20
Methylene Chloride
Concen: 7.944 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Tgt Ion: 84 Resp: 462270
Ion Ratio Lower Upper
84 100
49 165.7 133.8 200.8
51 49.7 41.4 62.0
86 64.8 51.5 77.3





#21

Allvl Chloride

Concen: 9.234 ppbv

RT: 4.39 min Scan# 500

Delta R.T. 0.00 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :

MSVOA_L

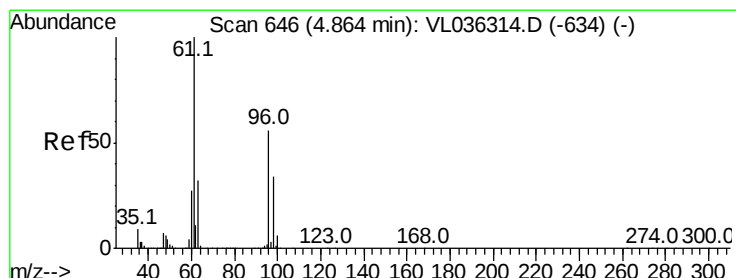
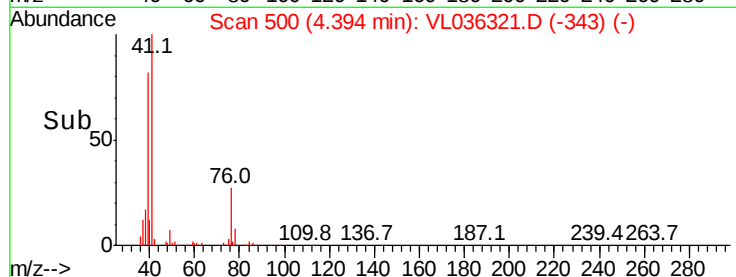
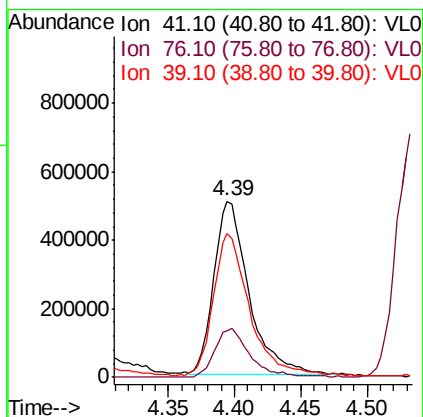
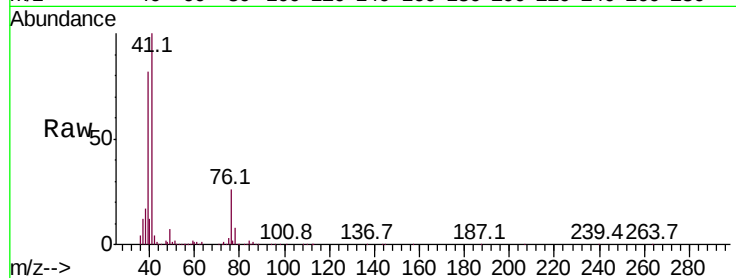
ClientSampleId :

ICVVL021021

Tot Ion:	41	Resp:	927372
Ion Ratio	Lower	Upper	
41	100		
76	28.8	22.0	33.0
39	85.5	70.2	105.2

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#22

trans-1,2-Dichloroethene

Concen: 9.661 ppbv

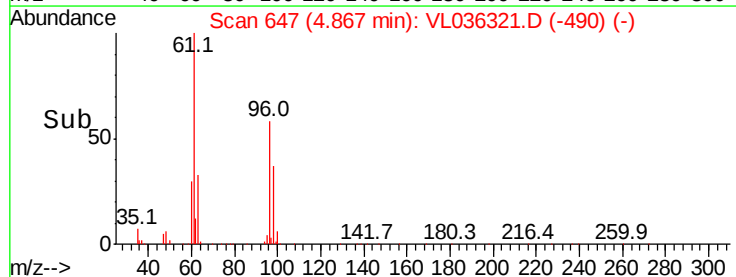
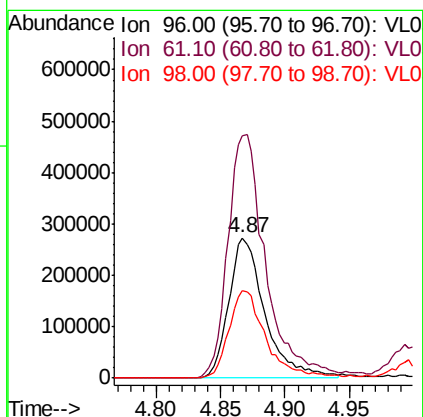
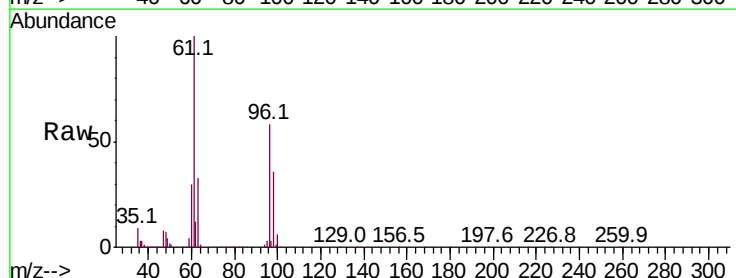
RT: 4.87 min Scan# 647

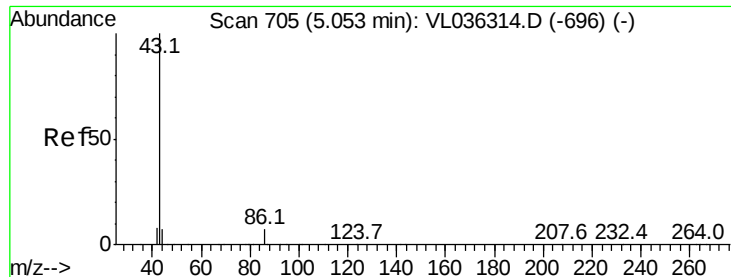
Delta R.T. 0.00 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Tgt Ion:	96	Resp:	532784
Ion Ratio	Lower	Upper	
96	100		
61	172.2	143.7	215.5
98	62.4	48.5	72.7





#23

Vinyl Acetate

Concen: 9.209 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

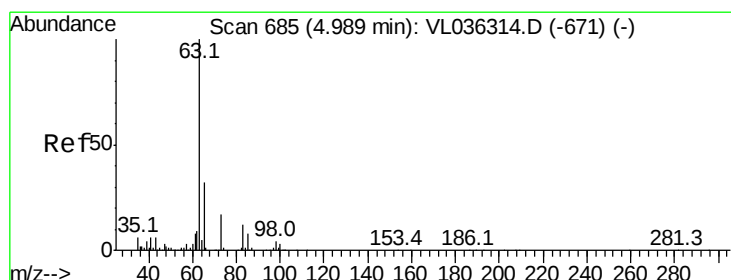
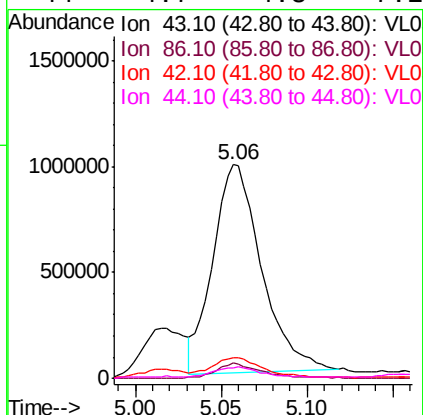
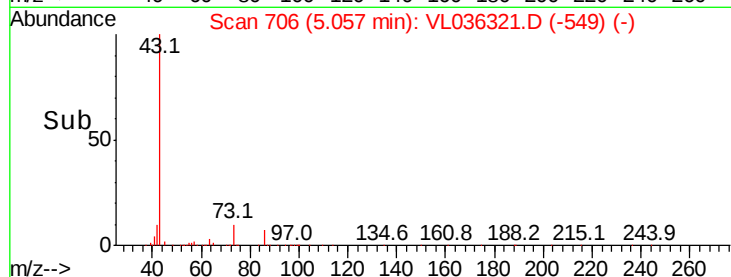
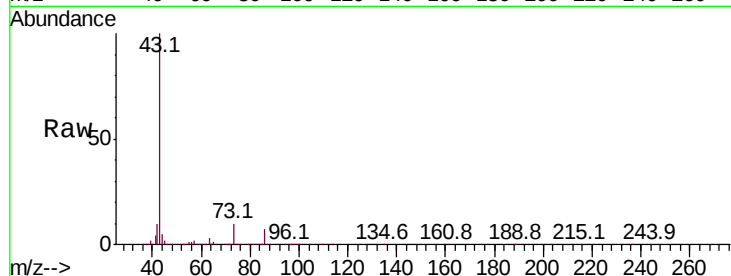
Instrument :
MSVOA_L

ClientSampleId :
ICVVL021021

Tot Ion	Ratio	Lower	Upper
43	100		
86	7.1	4.8	7.2
42	9.6	7.4	11.0
44	4.7	4.8	7.2#

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#24

1,1-Dichloroethane

Concen: 9.124 ppbv

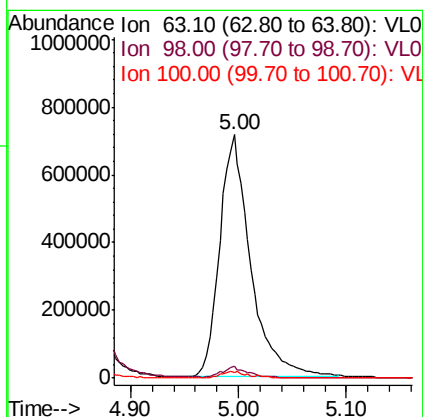
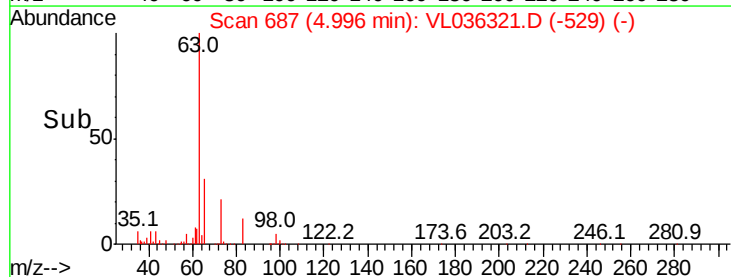
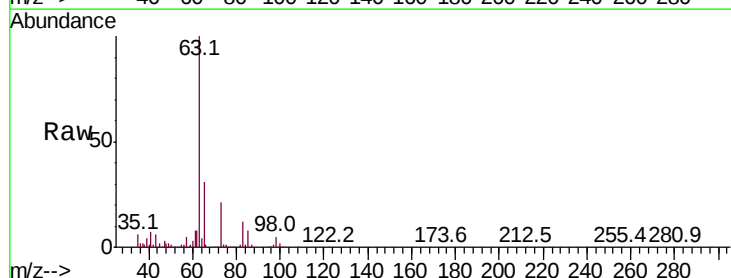
RT: 5.00 min Scan# 687

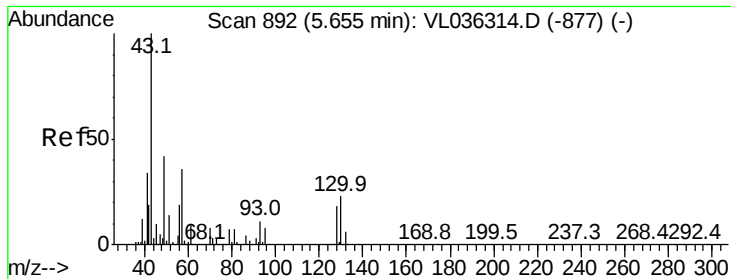
Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.0	6.0
100	2.4	1.5	4.4





#25

Ethyl Acetate

Concen: 9.235 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :

MSVOA_L

ClientSampleId :

ICVVL021021

Tot Ion: 43 Resp: 3215985

Ion Ratio Lower Upper

43 100

45 10.3 8.3 12.5

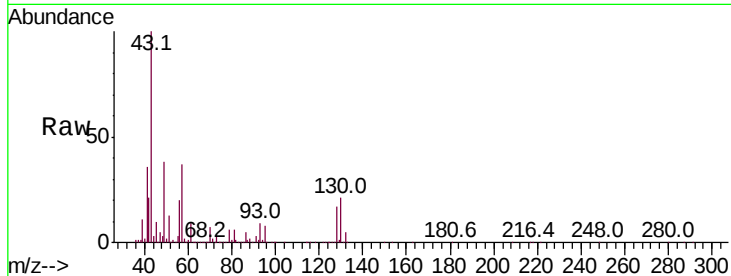
61 9.2 7.3 10.9

70 6.6 5.4 8.0

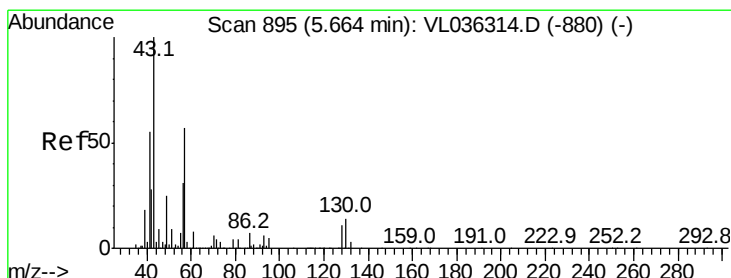
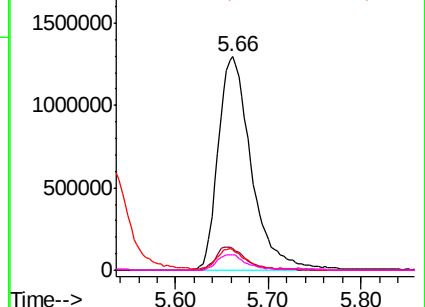
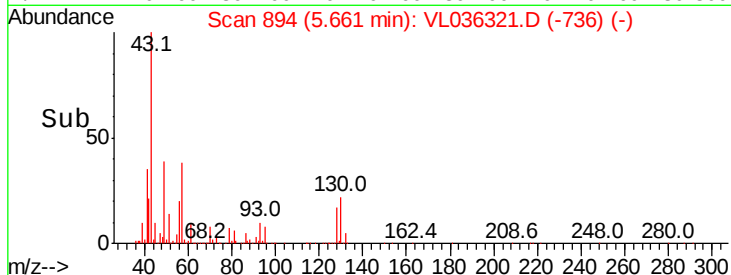
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Abundance Ion 43.10 (42.80 to 43.80): VL0
2000000 Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.071 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Tgt Ion: 57 Resp: 1297925

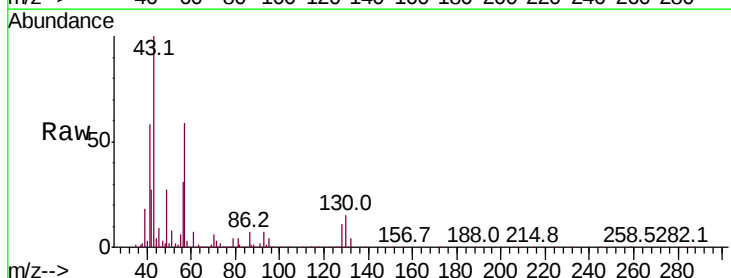
Ion Ratio Lower Upper

57 100

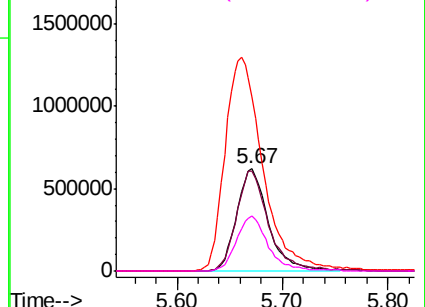
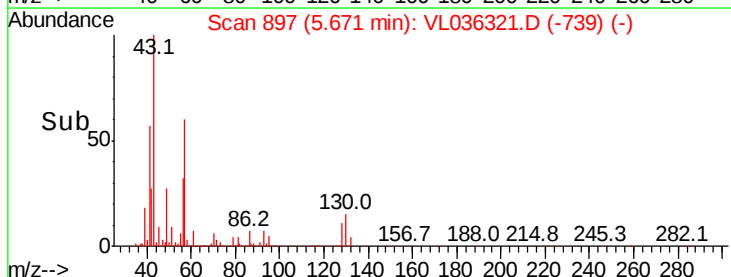
41 100.5 81.7 122.5

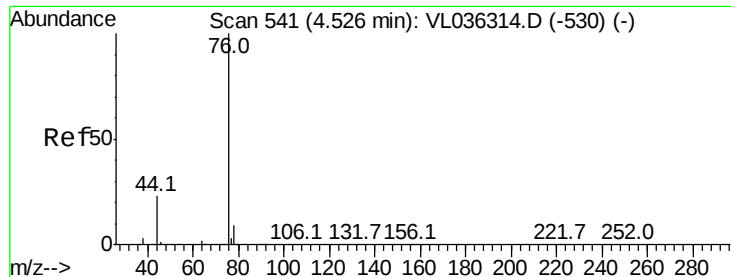
43 249.1 199.1 298.7

56 53.7 44.0 66.0



Abundance Ion 57.10 (56.80 to 57.80): VL0
2000000 Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.219 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :

MSVOA_L

ClientSampleId :

ICVVL021021

Tot Ion: 76 Resp: 1343748

Ion Ratio Lower Upper

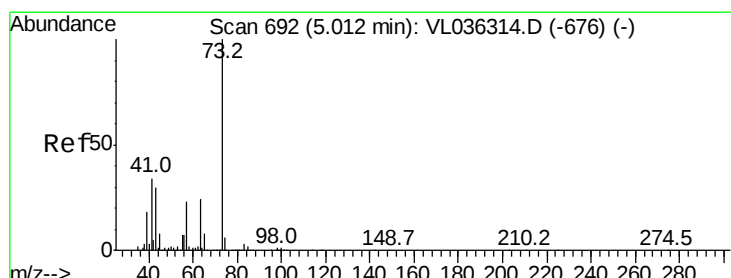
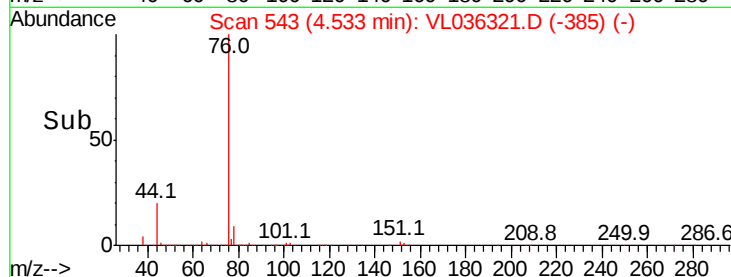
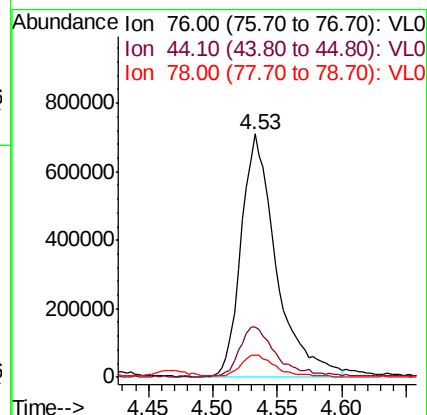
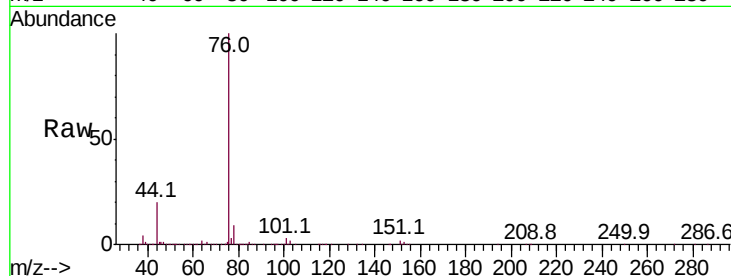
76 100

44 22.2 18.4 27.6

78 9.8 8.0 12.0

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#28

Methyl tert-Butyl Ether

Concen: 10.001 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.01 min

Lab File: VL036321.D

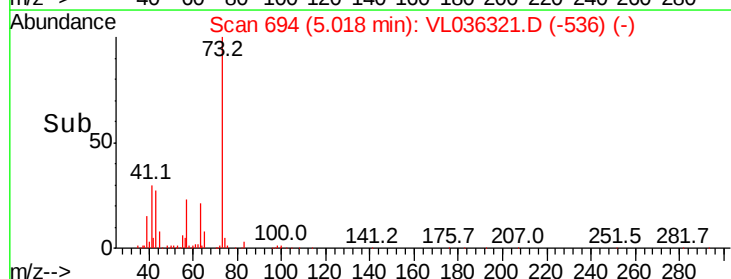
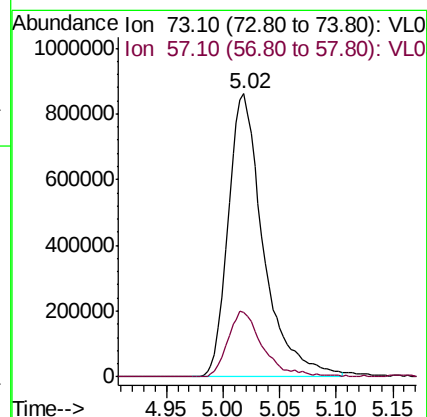
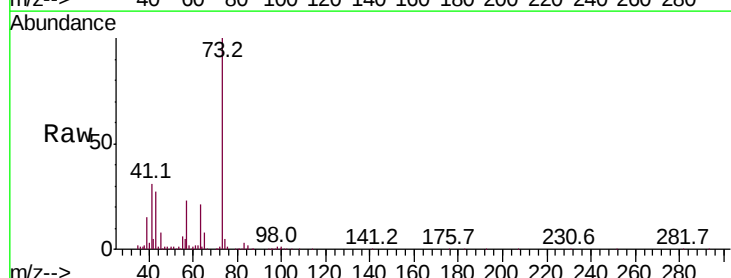
Acq: 10 Feb 2021 16:21

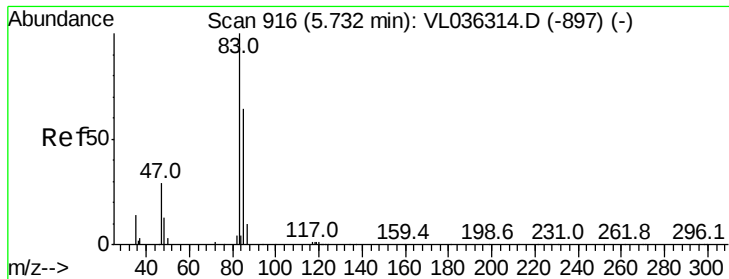
Tgt Ion: 73 Resp: 1869299

Ion Ratio Lower Upper

73 100

57 23.3 19.2 28.8





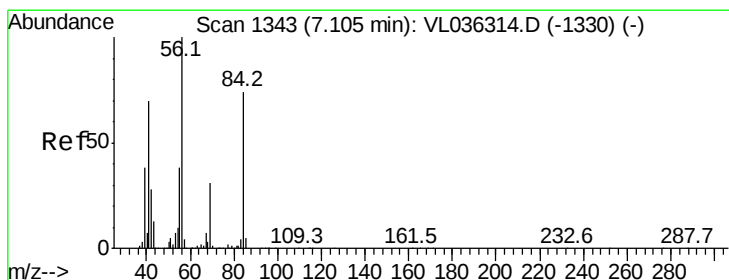
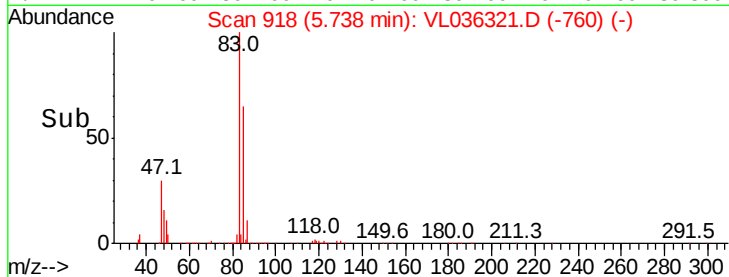
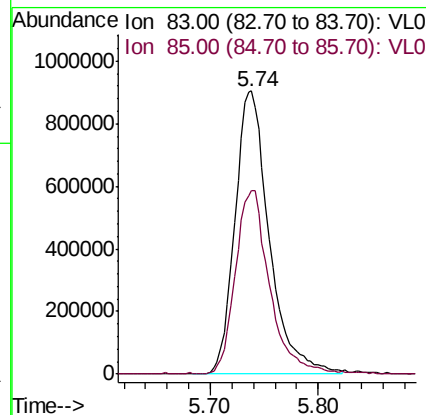
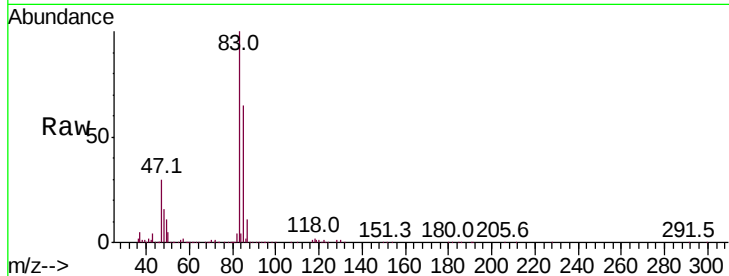
#29
Chloroform
Concen: 8.691 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.01 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Instrument :
MSVOA_L
ClientSampleId :
ICVVL021021

Tot Ion: 83 Resp: 2003431
Ion Ratio Lower Upper
83 100
85 64.7 51.4 77.2

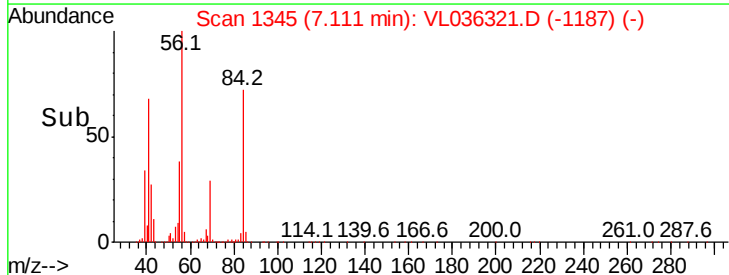
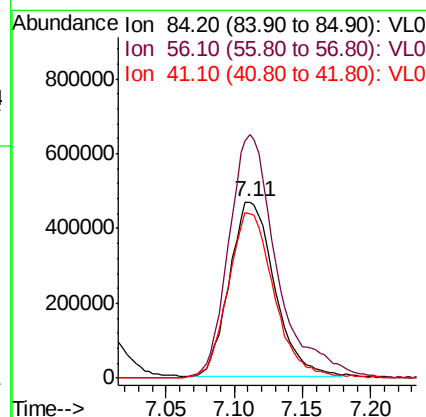
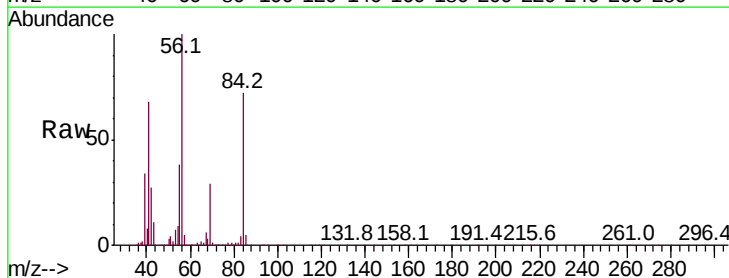
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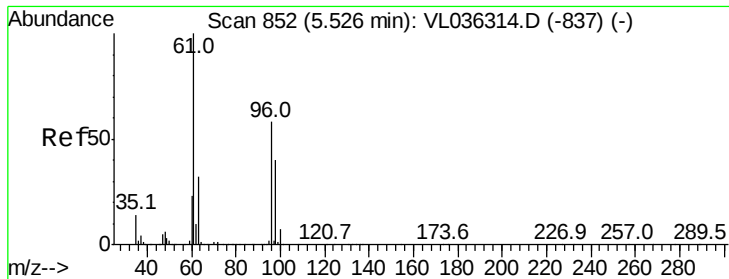
MMDadoda
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#30
Cyclohexane
Concen: 9.013 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. 0.01 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Tgt Ion: 84 Resp: 1072459
Ion Ratio Lower Upper
84 100
56 149.7 120.2 180.4
41 96.9 79.7 119.5





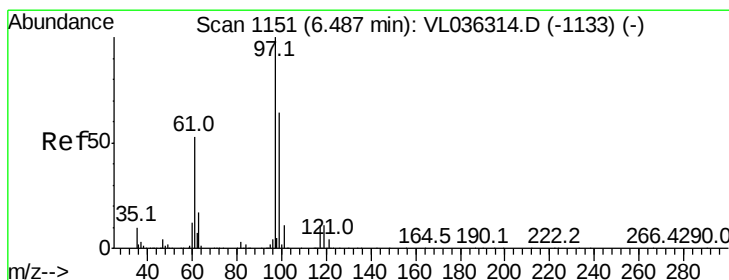
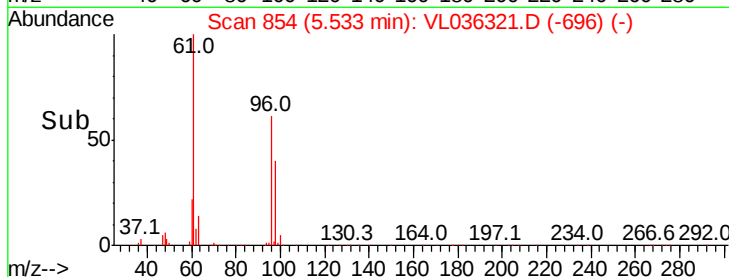
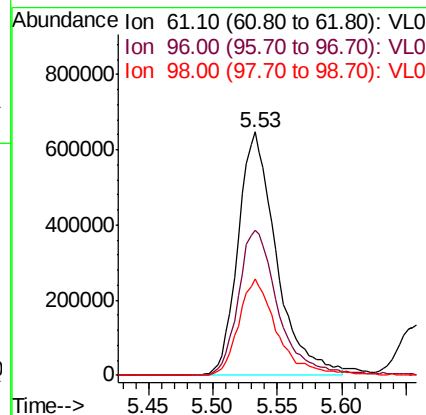
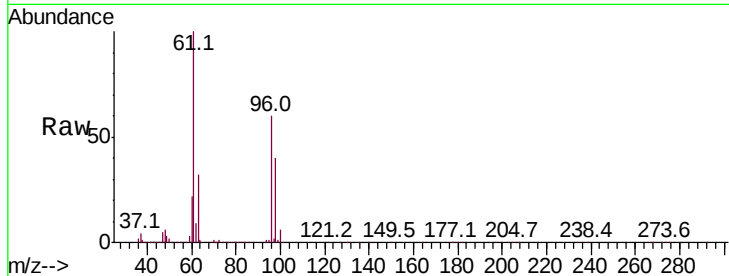
#31
 cis-1,2-Dichloroethene
 Concen: 9.428 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. 0.01 min
 Lab File: VL036321.D
 Acq: 10 Feb 2021 16:21

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL021021

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.5	46.0	69.0
98	39.8	31.9	47.9

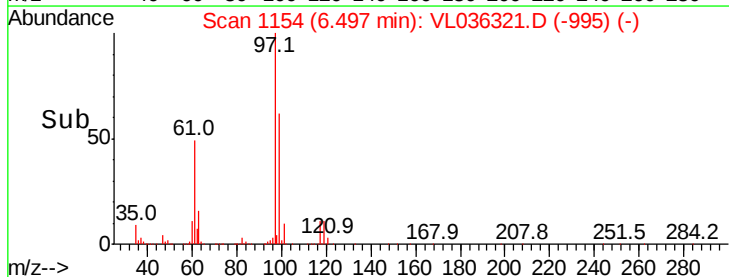
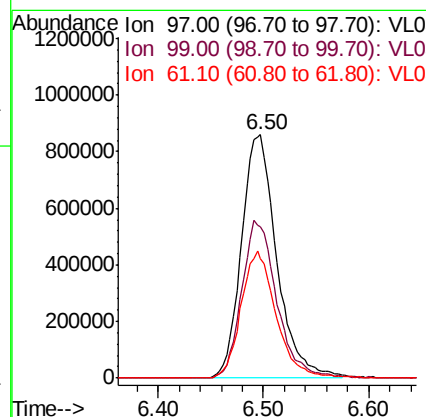
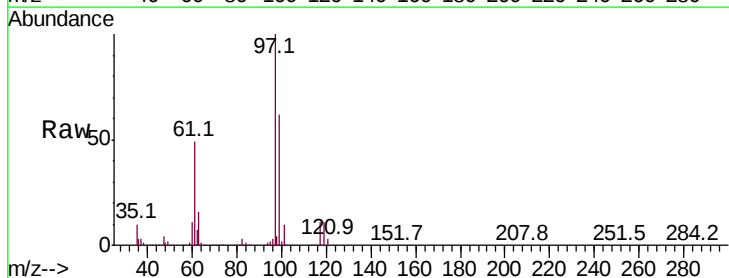
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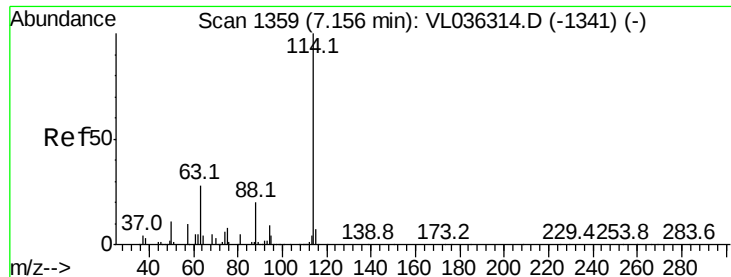
MMDadoda
 2/12/2021 1:42:05 PM



#32
 1,1,1-Trichloroethane
 Concen: 9.272 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: VL036321.D
 Acq: 10 Feb 2021 16:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.2	78.4
61	51.6	43.3	64.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

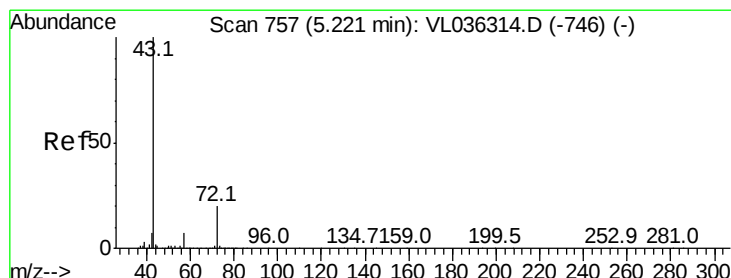
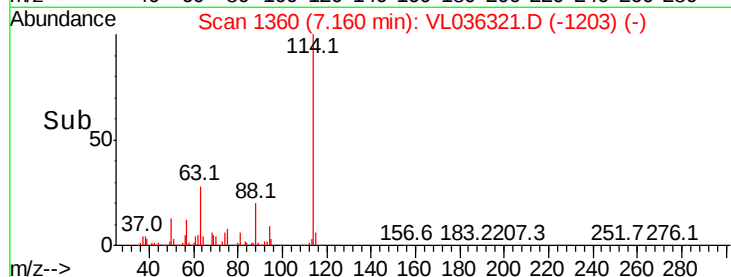
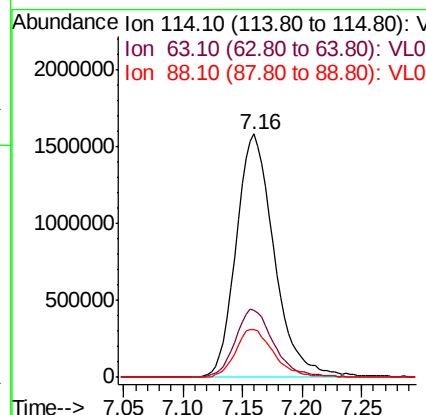
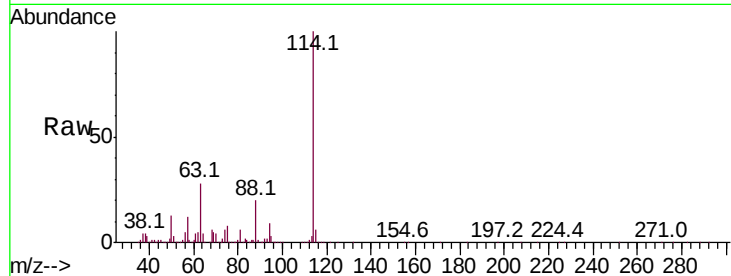
Instrument :
MSVOA_L

ClientSampleId :
ICVVL021021

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.7	24.1	36.1
88	20.0	16.0	24.0

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#34

2-Butanone

Concen: 8.605 ppbv

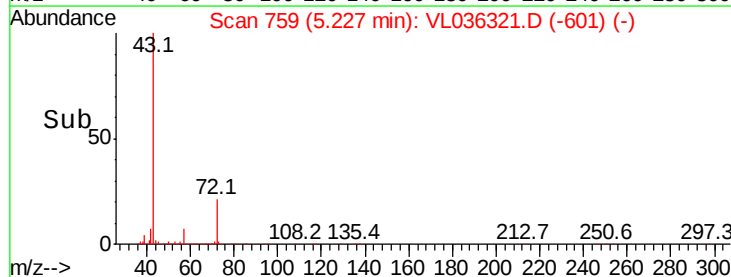
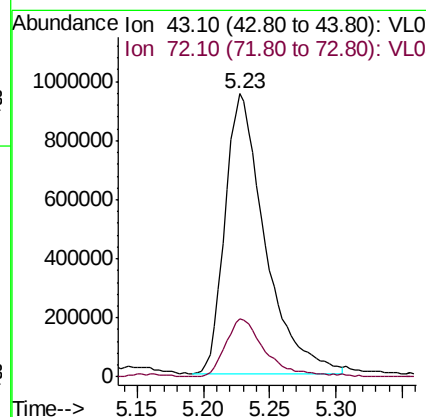
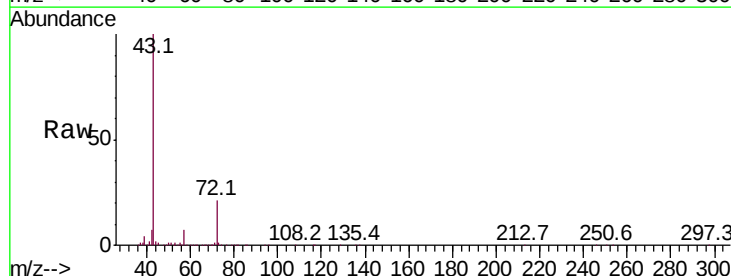
RT: 5.23 min Scan# 759

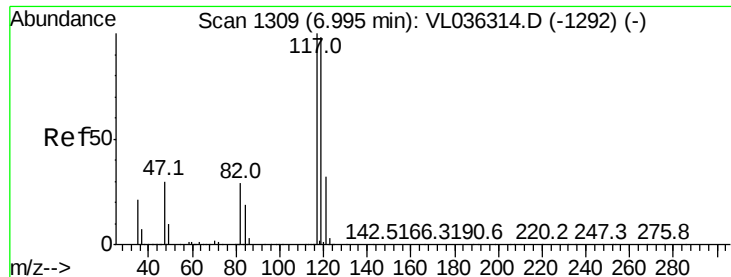
Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.2	16.7	25.1





#35

Carbon Tetrachloride

Concen: 8.474 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :

MSVOA_L

ClientSampleId :

ICVVL021021

Tot Ion:117 Resp: 1985912

Ion Ratio Lower Upper

117 100

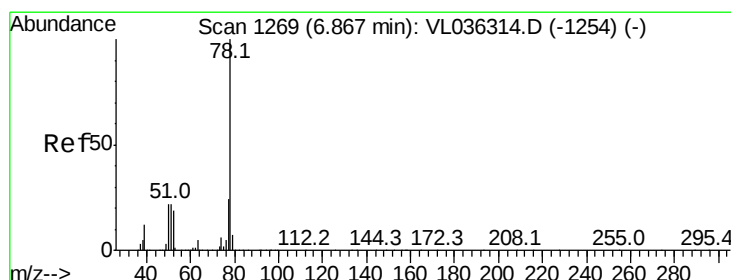
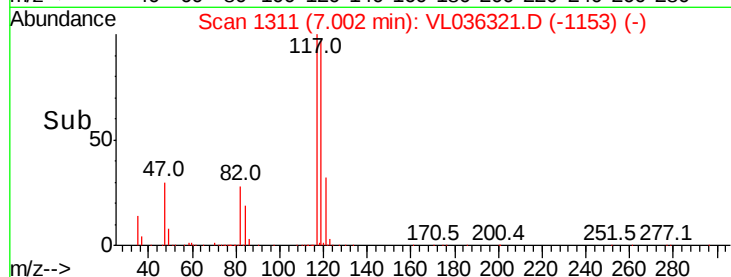
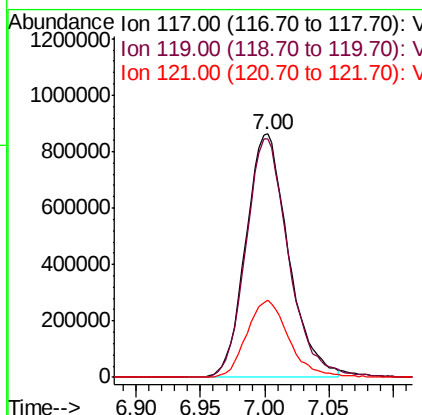
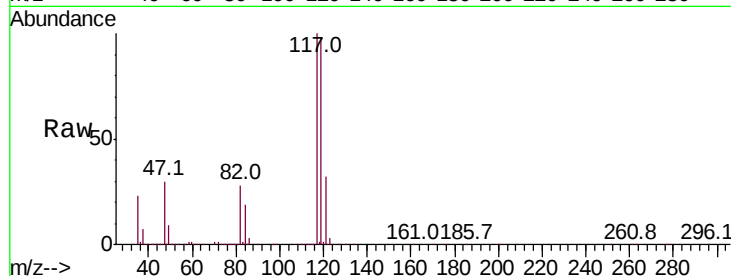
119 97.8 78.1 117.1

121 31.7 25.8 38.8

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#36

Benzene

Concen: 8.917 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

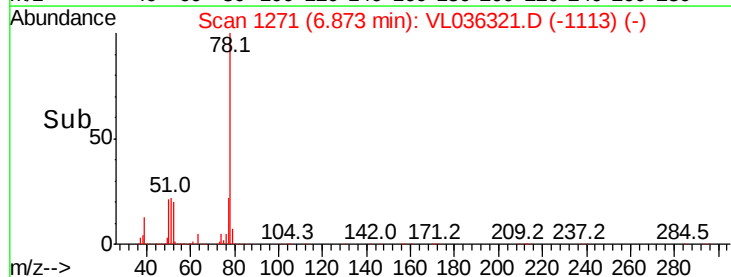
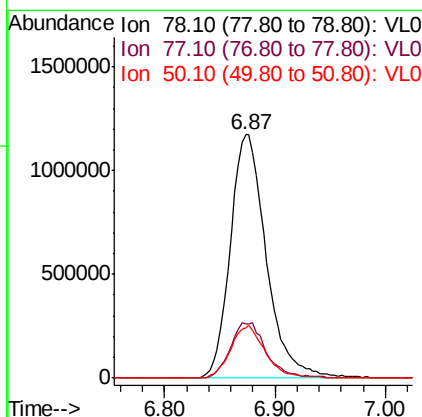
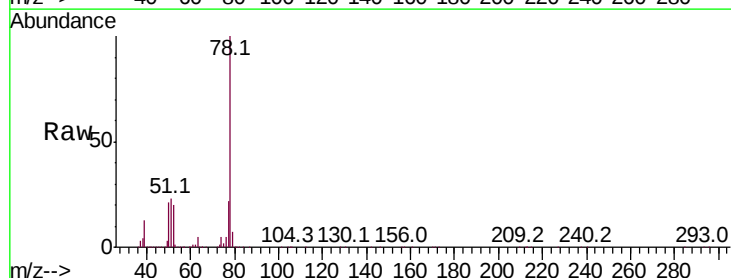
Tgt Ion: 78 Resp: 2648658

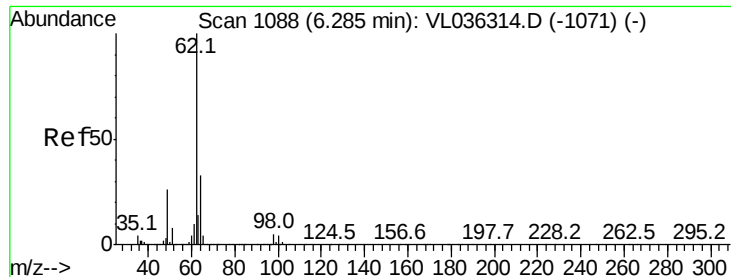
Ion Ratio Lower Upper

78 100

77 22.3 18.9 28.3

50 20.8 17.3 25.9





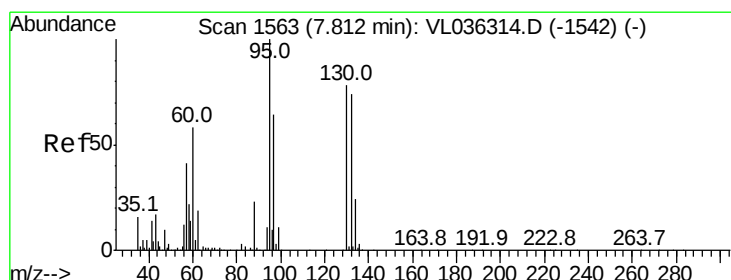
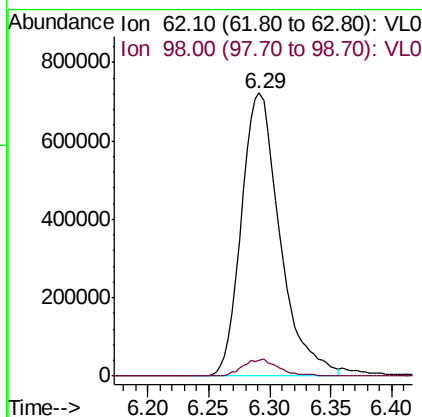
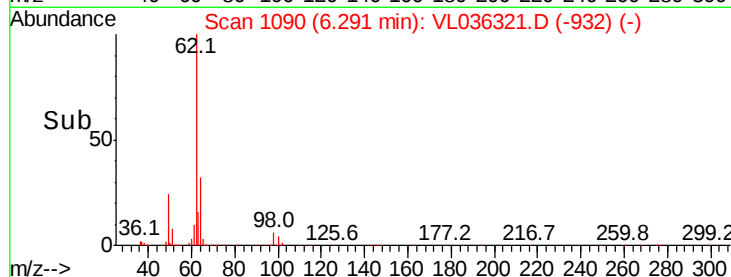
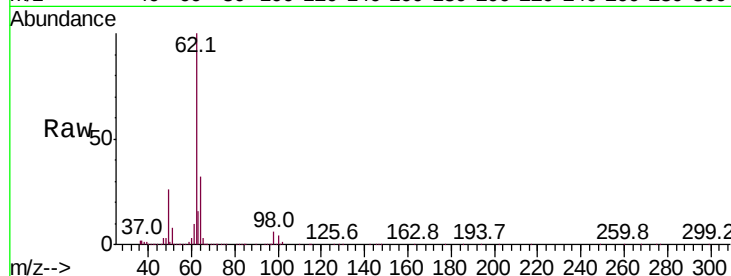
#37
1,2-Dichloroethane
Concen: 8.583 ppbv
RT: 6.29 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Instrument :
MSVOA_L
ClientSampleId :
ICVVL021021

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.5	6.7

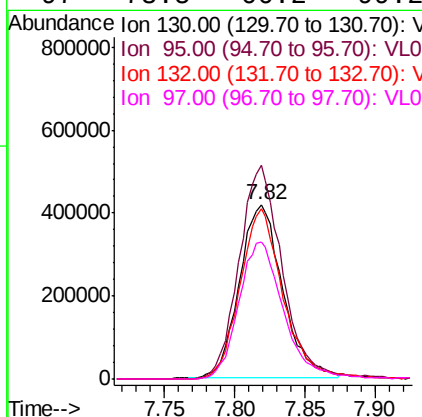
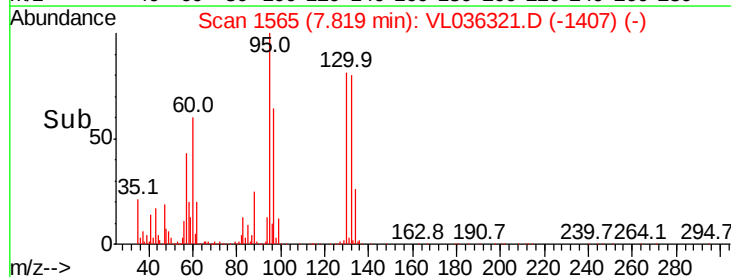
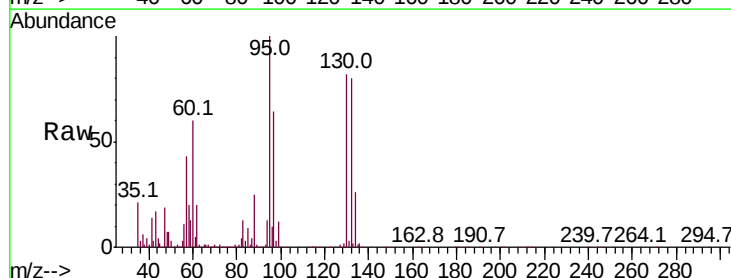
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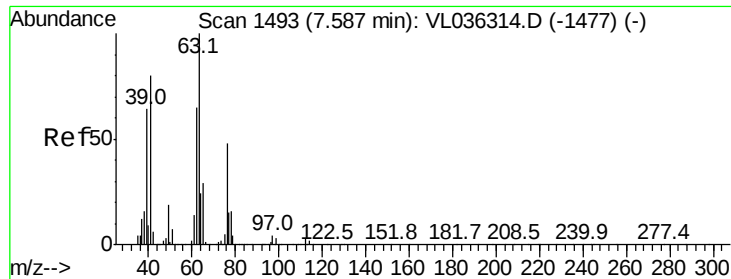
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#38
Trichloroethene
Concen: 8.460 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	123.1	102.8	154.2
132	98.4	75.7	113.5
97	78.5	66.2	99.2





#39

1,2-Dichloropropane

Concen: 8.893 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :

MSVOA_L

ClientSampleId :

ICVVL021021

Tot Ion: 63 Resp: 1073080

Ion Ratio Lower Upper

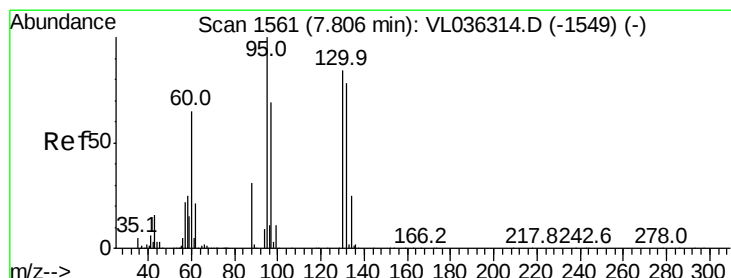
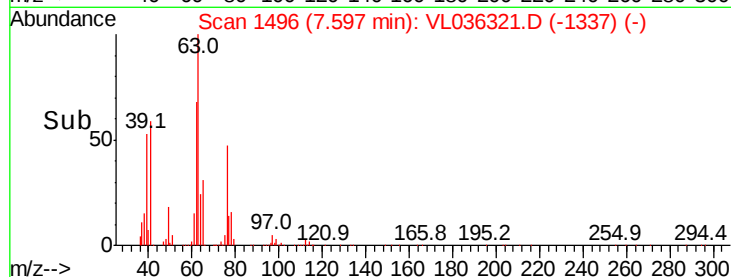
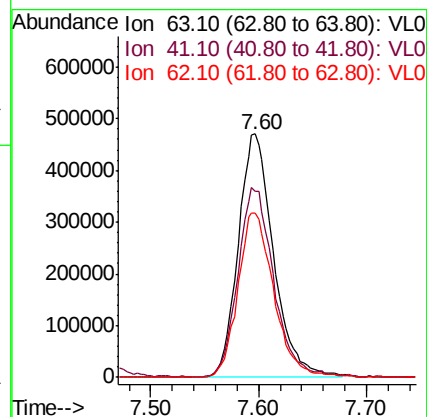
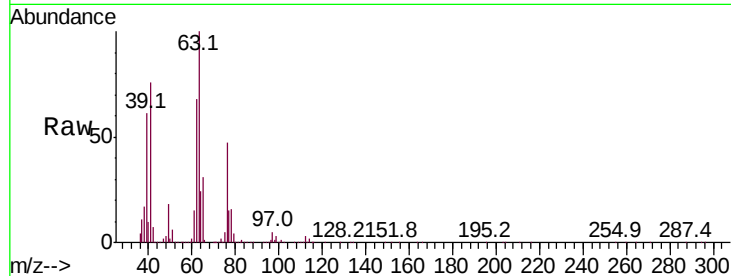
63 100

41 76.3 63.8 95.6

62 67.5 52.3 78.5

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#40

1,4-Dioxane

Concen: 8.717 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Tgt Ion: 88 Resp: 364459

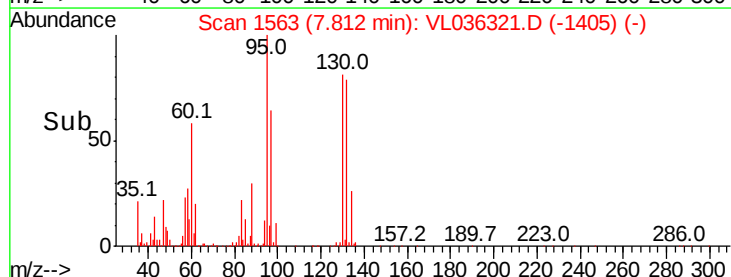
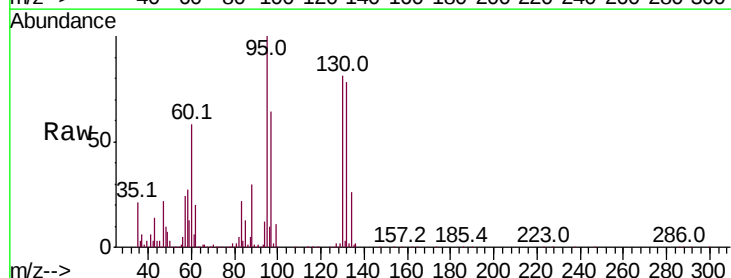
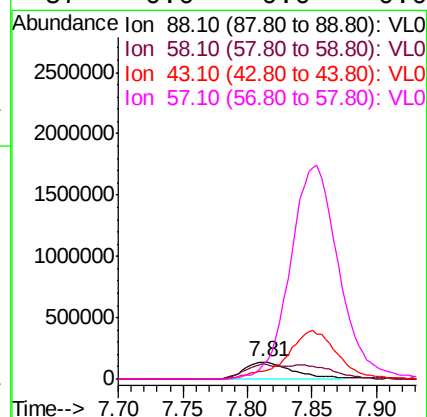
Ion Ratio Lower Upper

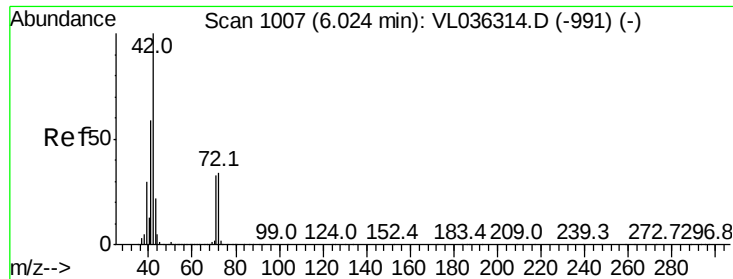
88 100

58 141.5 45.0 67.4#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





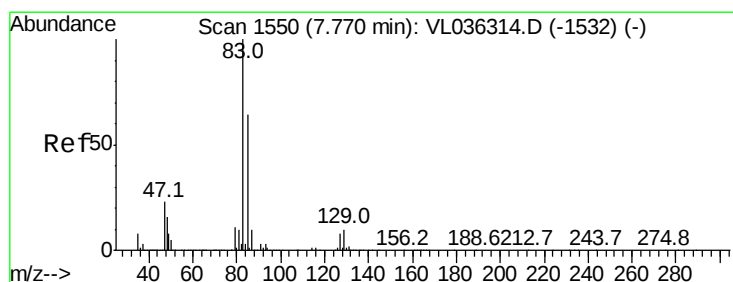
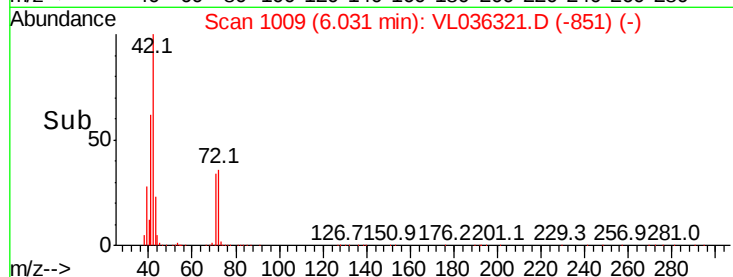
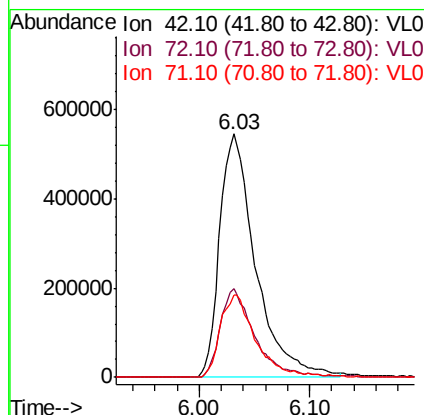
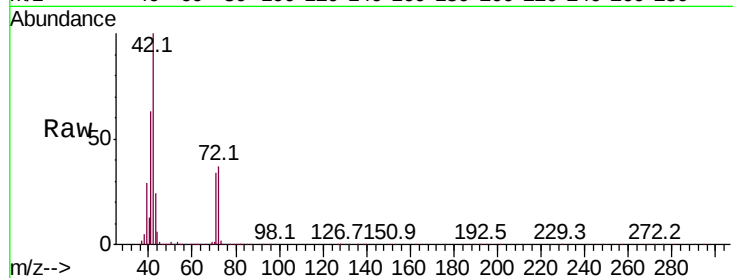
#41
Tetrahydrofuran
Concen: 9.470 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. 0.01 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Instrument :
MSVOA_L
ClientSampleId :
ICVVL021021

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	29.3	43.9
71	34.1	27.8	41.8

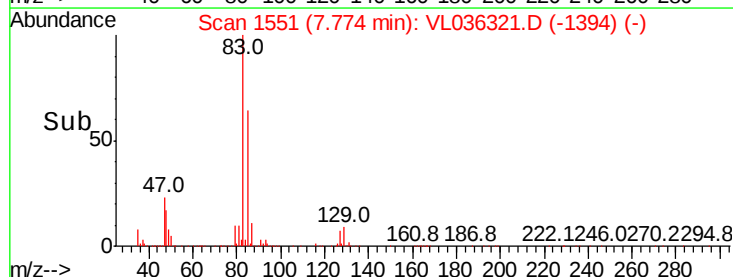
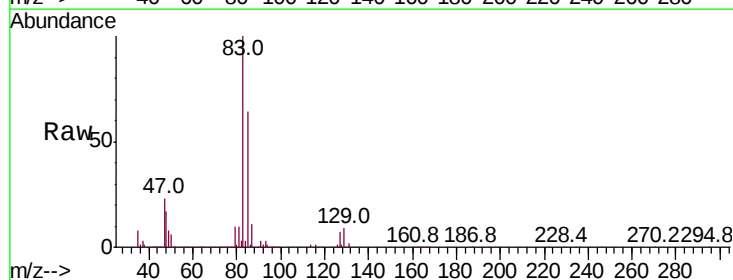
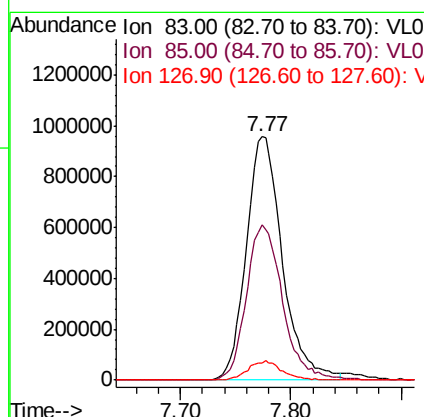
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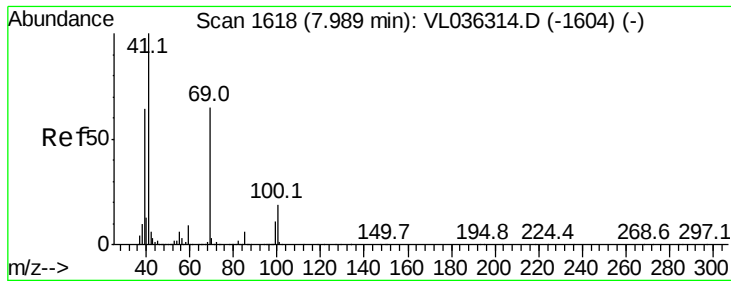
MMDadoda
2/12/2021 1:42:05 PM



#42
Bromodichloromethane
Concen: 8.836 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	7.2	6.3	9.5





#43

Methyl Methacrylate

Concen: 9.620 ppbv

RT: 8.00 min Scan# 1620

Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :
MSVOA_L

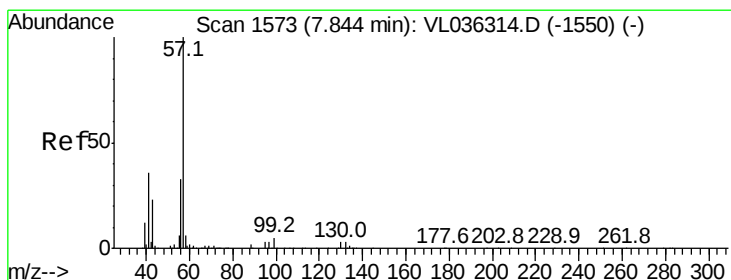
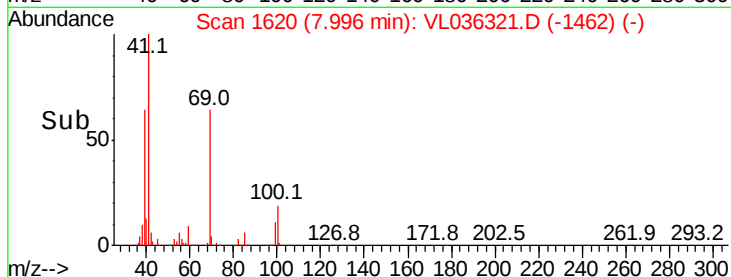
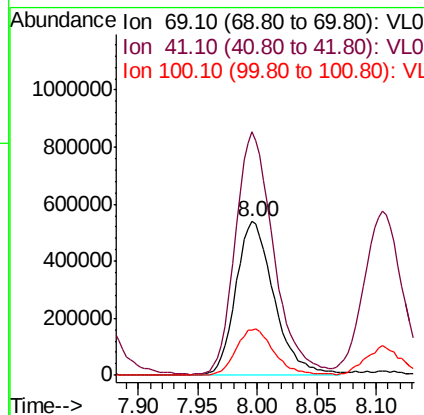
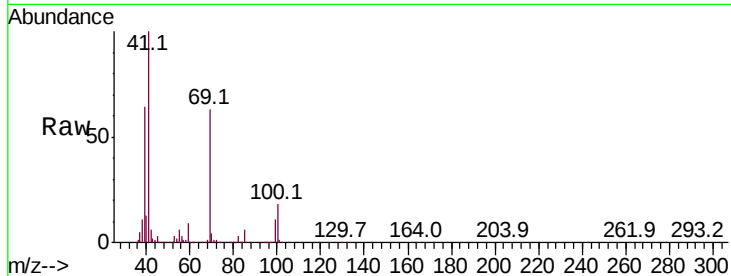
ClientSampleId :
ICVVL021021

Tot Ion: 69 Resp: 1205172

Ion	Ratio	Lower	Upper
69	100		
41	158.2	126.5	189.7
100	30.1	23.1	34.7

Manual Integrations
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2/12/2021 1:42:05 PM



#44

2,2,4-Trimethylpentane

Concen: 8.383 ppbv

RT: 7.85 min Scan# 1576

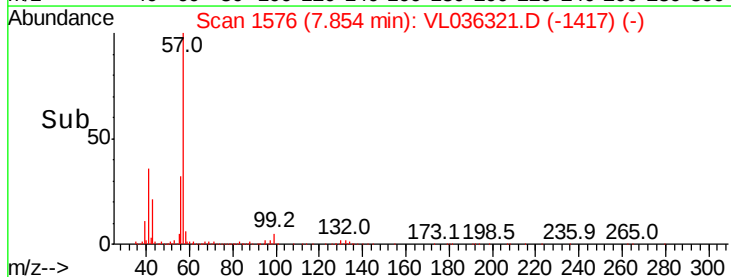
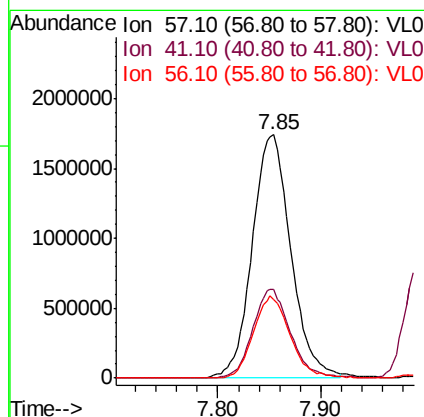
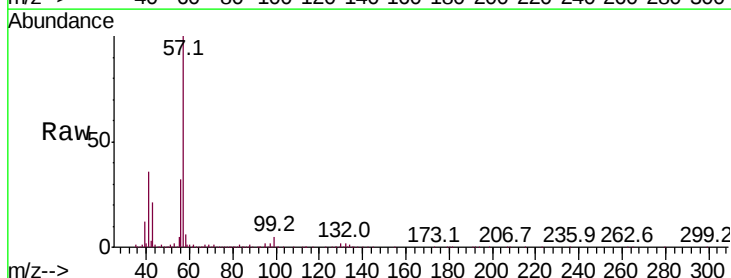
Delta R.T. 0.01 min

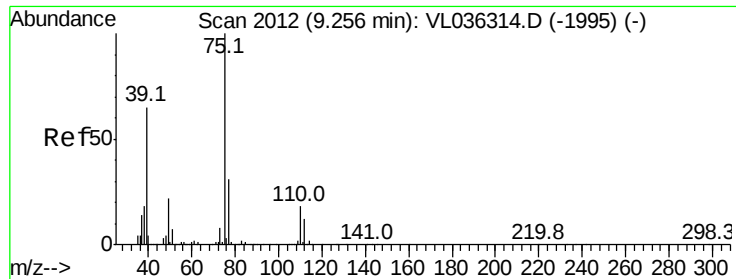
Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Tgt Ion: 57 Resp: 4528172

Ion	Ratio	Lower	Upper
57	100		
41	35.3	28.8	43.2
56	32.1	25.8	38.6





#45

t-1,3-Dichloropropene

Concen: 10.672 ppbv

RT: 9.26 min Scan# 2014

Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :

MSVOA_L

ClientSampleId :

ICVVL021021

Tot Ion: 75 Resp: 1289753

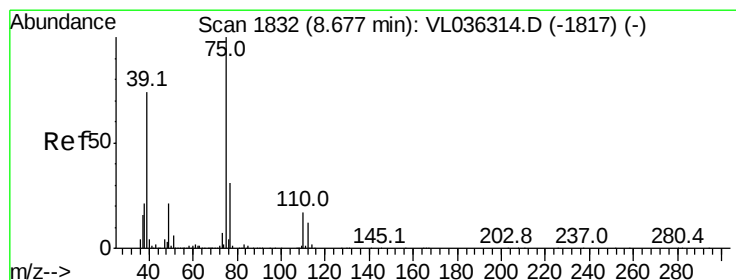
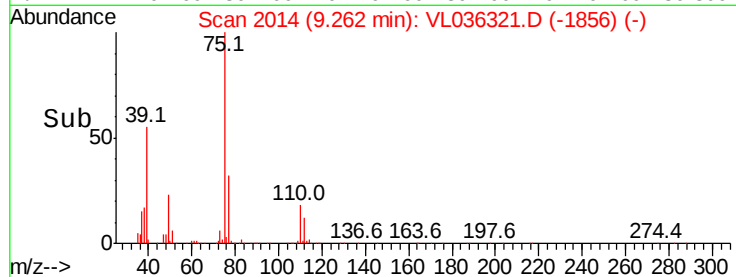
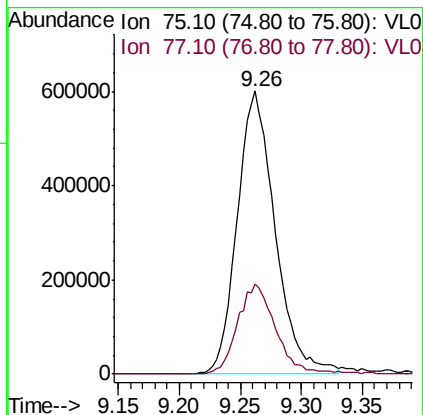
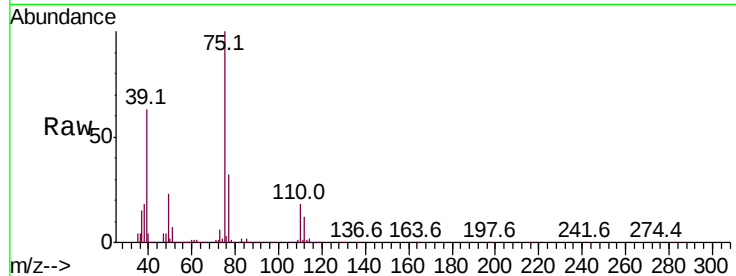
Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0

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#46

cis-1,3-Dichloropropene

Concen: 10.138 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

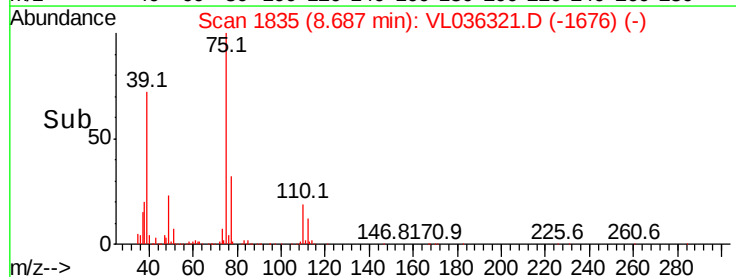
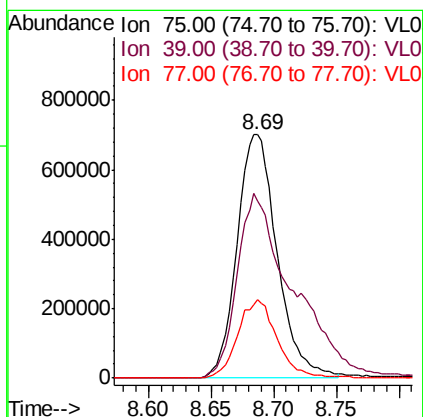
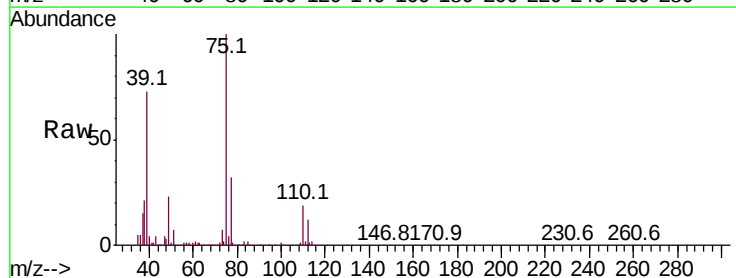
Tgt Ion: 75 Resp: 1556375

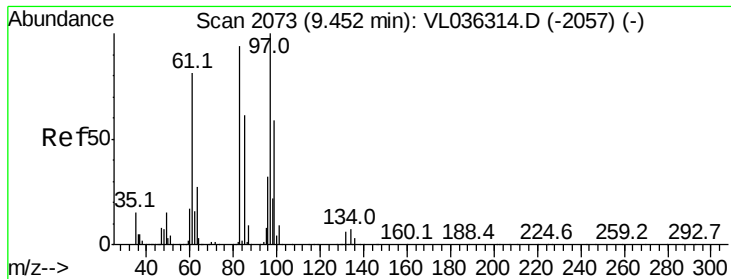
Ion Ratio Lower Upper

75 100

39 72.6 59.2 88.8

77 32.3 25.0 37.6





#47
 1,1,2-Trichloroethane
 Concen: 8.304 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. 0.00 min
 Lab File: VL036321.D
 Acq: 10 Feb 2021 16:21

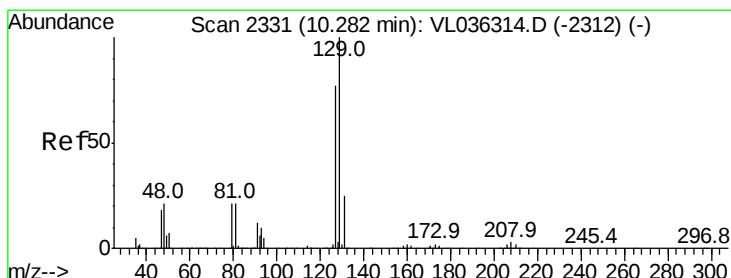
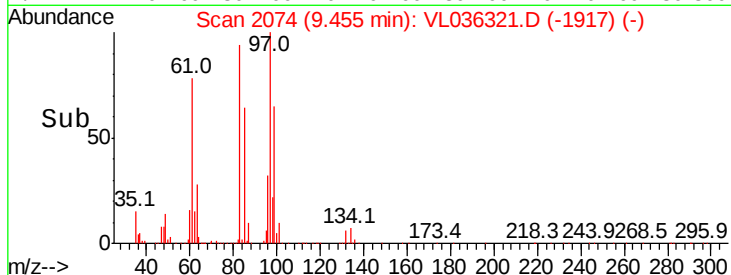
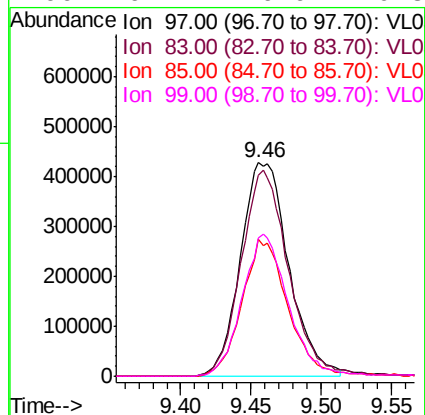
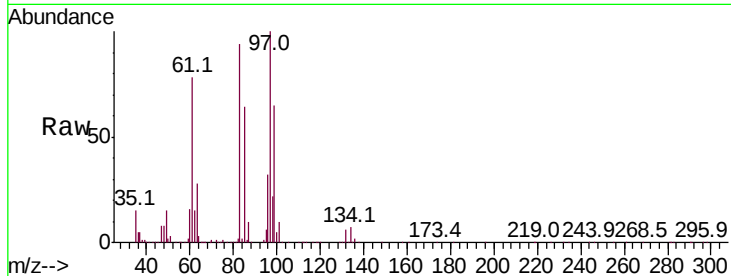
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL021021

Tot Ion: 97 Resp: 1025424

Ion	Ratio	Lower	Upper
97	100		
83	93.8	75.4	113.0
85	63.9	48.9	73.3
99	64.7	46.9	70.3

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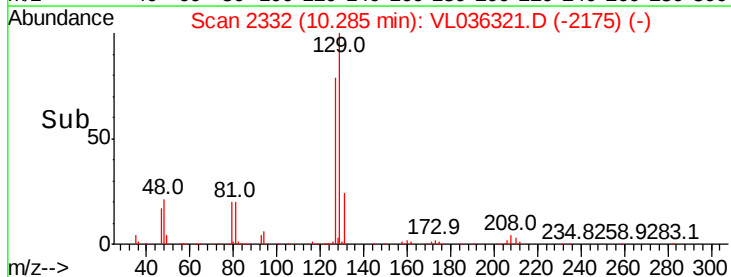
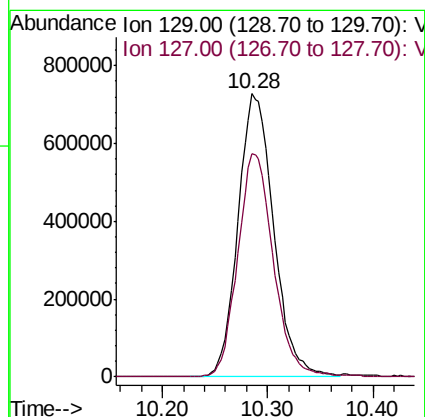
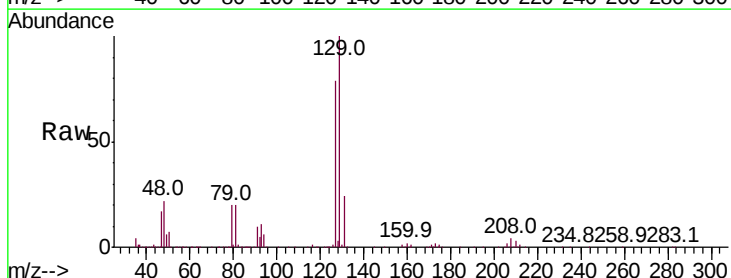
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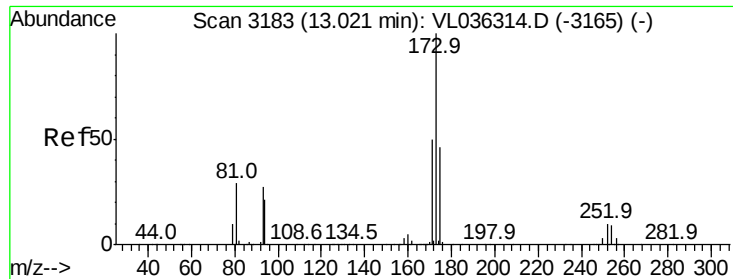


#48
 Dibromochloromethane
 Concen: 9.294 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VL036321.D
 Acq: 10 Feb 2021 16:21

Tgt Ion: 129 Resp: 1712701

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.1	117.2





#49

Bromoform

Concen: 8.969 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. 0.00 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :

MSVOA_L

ClientSampleId :

ICVVL021021

Tot Ion:173 Resp: 1336038

Ion Ratio Lower Upper

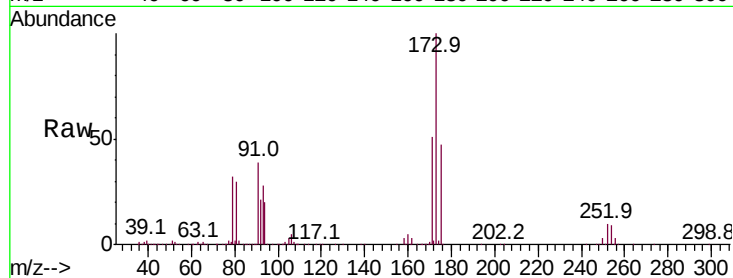
173 100

175 50.3 40.2 60.2

171 53.3 43.4 65.2

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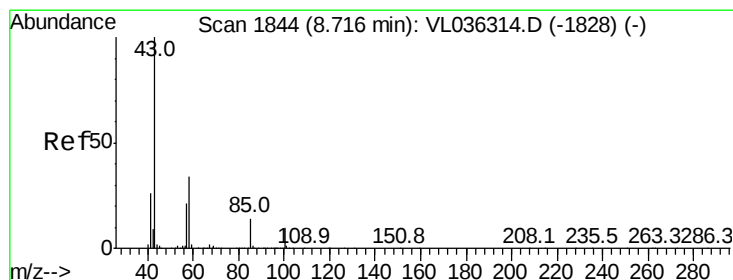
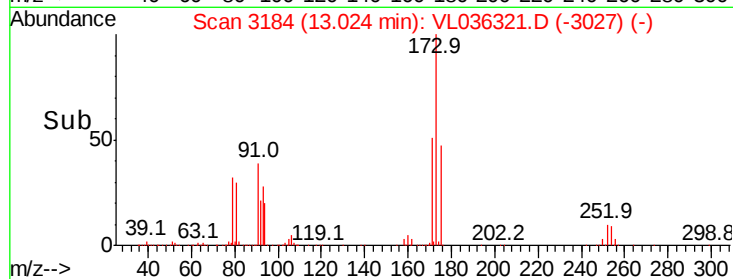
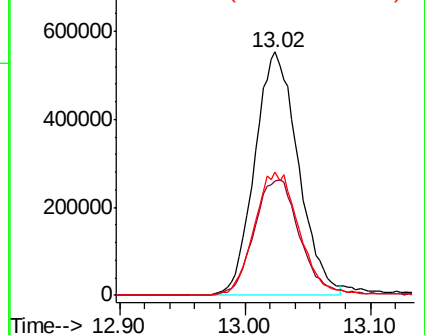
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.085 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL036321.D

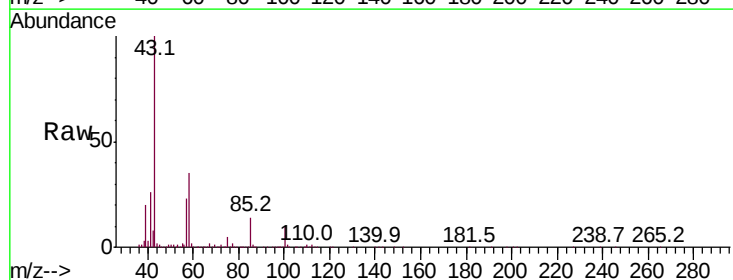
Acq: 10 Feb 2021 16:21

Tgt Ion: 43 Resp: 3133598

Ion Ratio Lower Upper

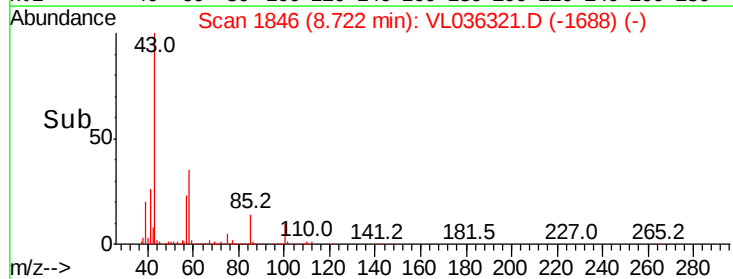
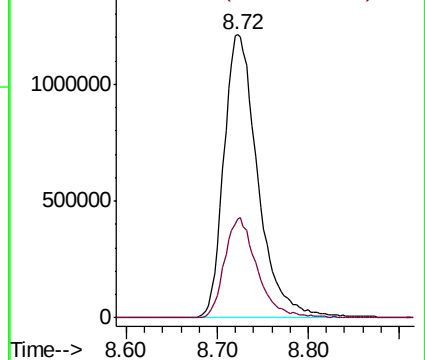
43 100

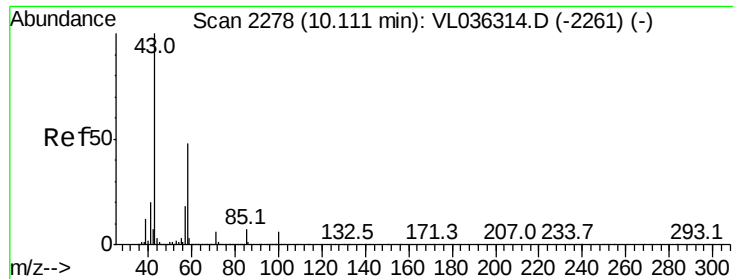
58 34.4 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





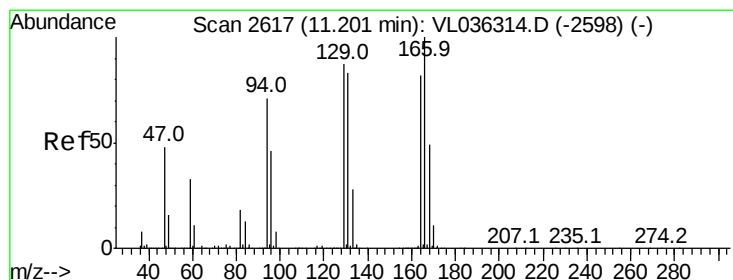
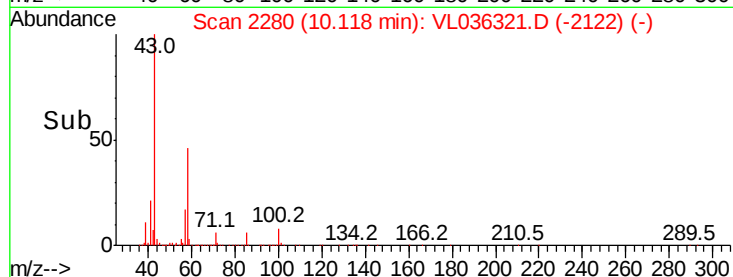
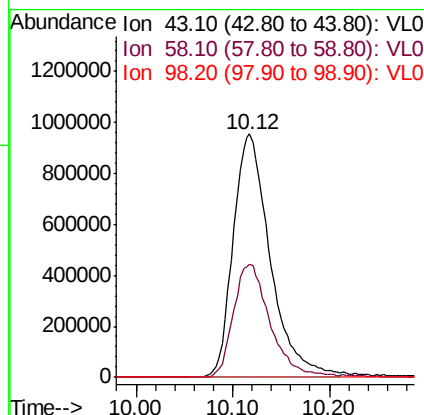
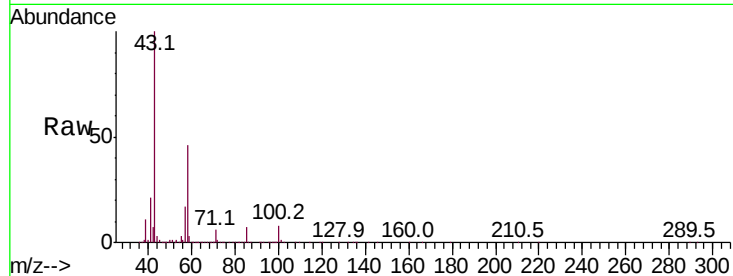
#51
2-Hexanone
Concen: 9.688 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.01 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Instrument :
MSVOA_L
ClientSampleId :
ICVVL021021

Tot Ion: 43 Resp: 2539009
Ion Ratio Lower Upper
43 100
58 46.8 38.7 58.1
98 0.2 0.4 0.6#

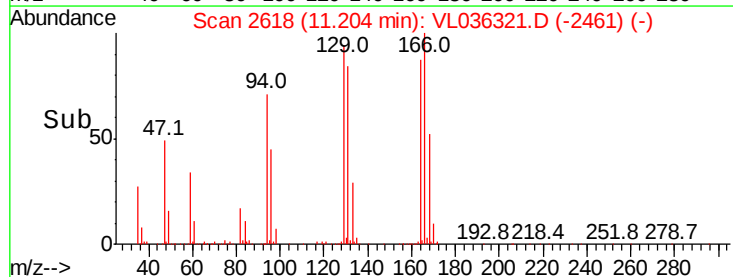
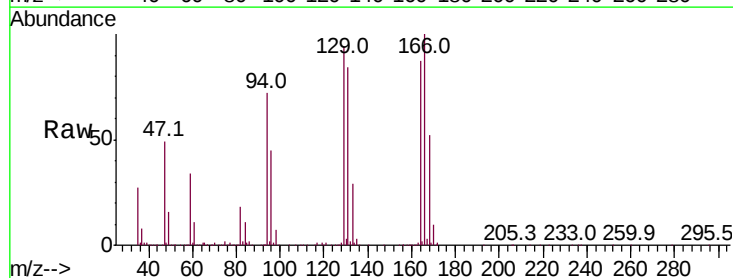
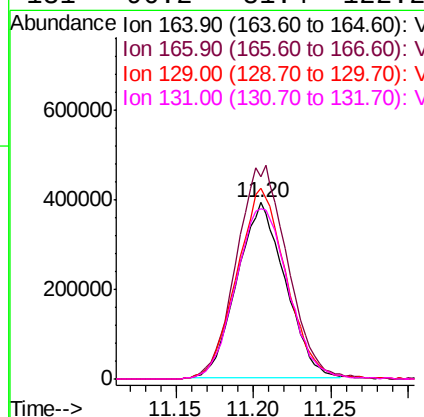
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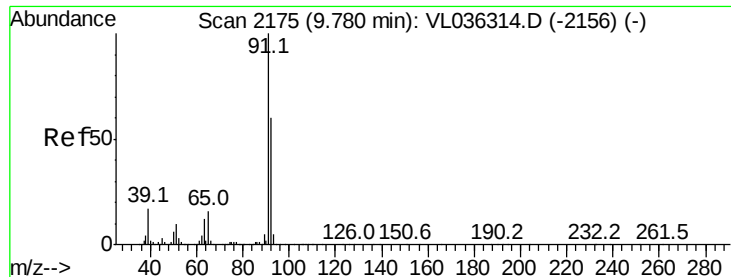
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#52
Tetrachloroethene
Concen: 7.831 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Tgt Ion: 164 Resp: 851600
Ion Ratio Lower Upper
164 100
166 114.0 97.8 146.8
129 107.3 84.9 127.3
131 96.2 81.4 122.2





#53

Toluene

Concen: 9.136 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :

MSVOA_L

ClientSampleId :

ICVVL021021

Tot Ion: 91 Resp: 2939671

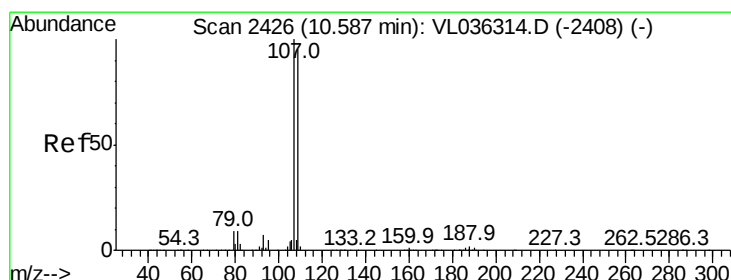
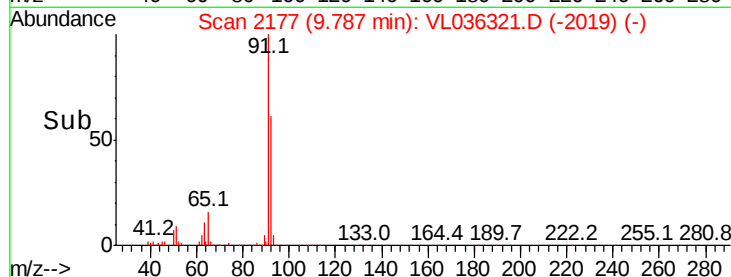
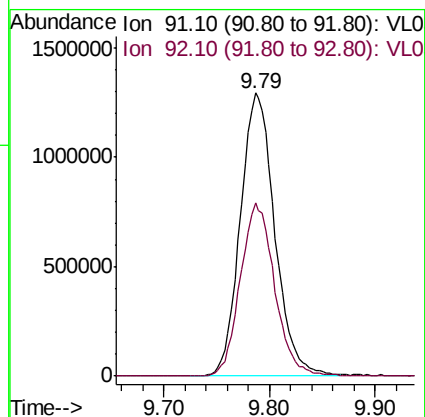
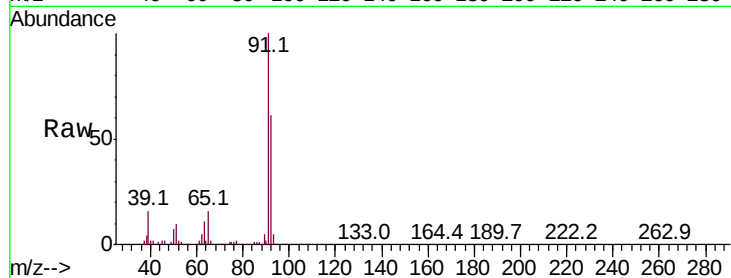
Ion Ratio Lower Upper

91 100

92 61.0 48.6 72.8

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#54

1,2-Dibromoethane

Concen: 8.617 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL036321.D

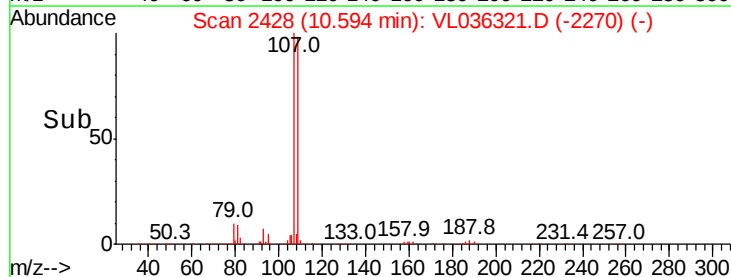
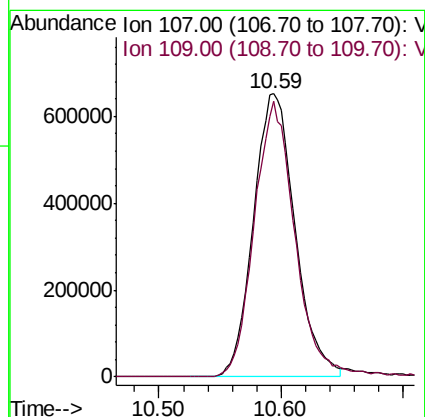
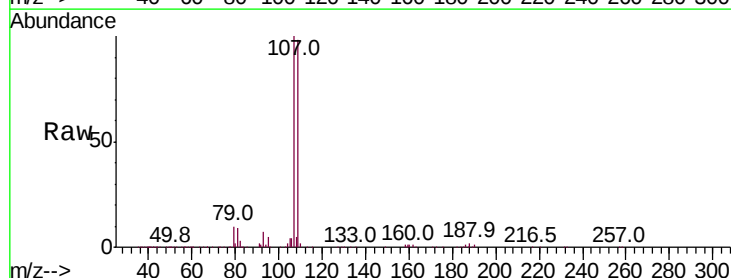
Acq: 10 Feb 2021 16:21

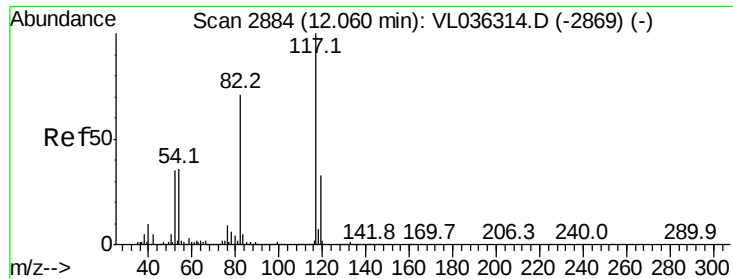
Tgt Ion: 107 Resp: 1537873

Ion Ratio Lower Upper

107 100

109 97.5 76.0 114.0





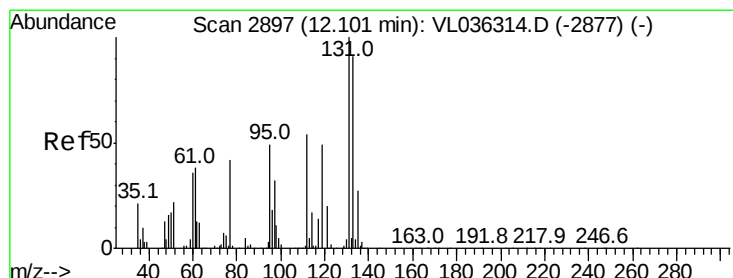
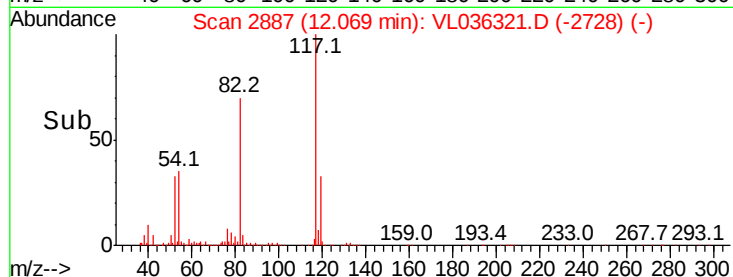
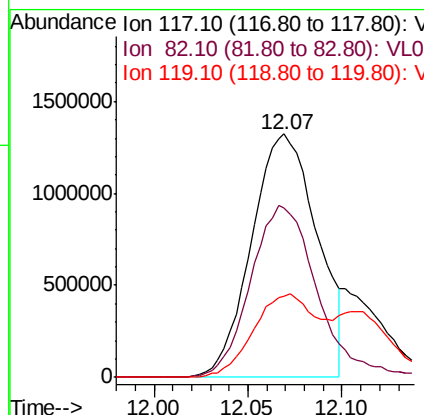
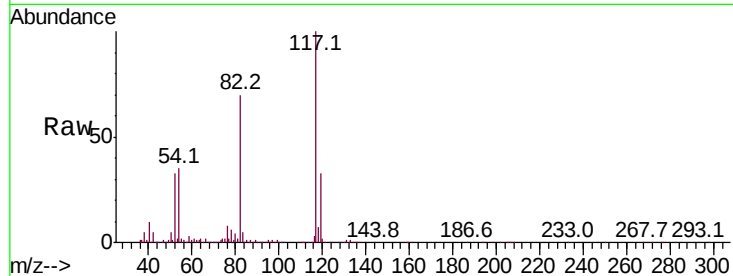
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Instrument :
MSVOA_L
ClientSampleId :
ICVVL021021

Tot Ion:117 Resp: 3209380
Ion Ratio Lower Upper
117 100
82 72.8 59.1 88.7
119 57.2 46.3 69.5

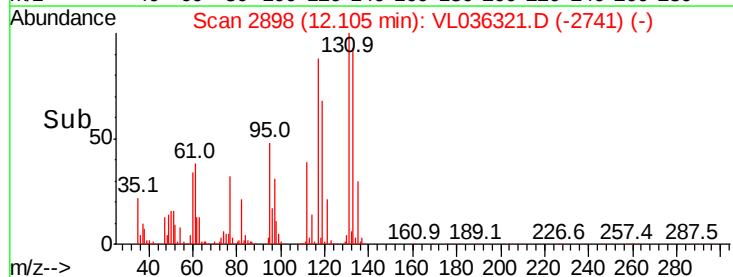
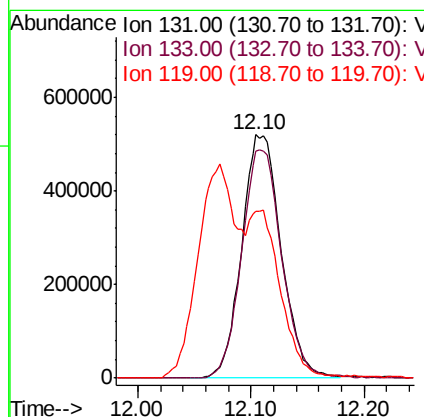
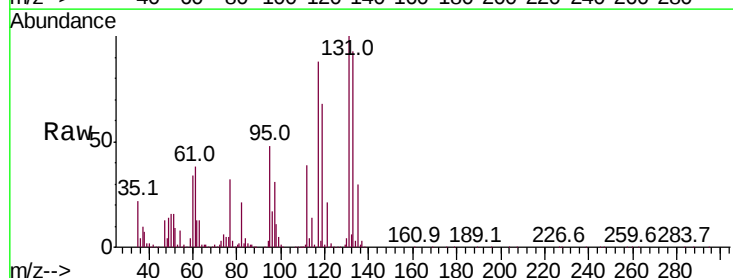
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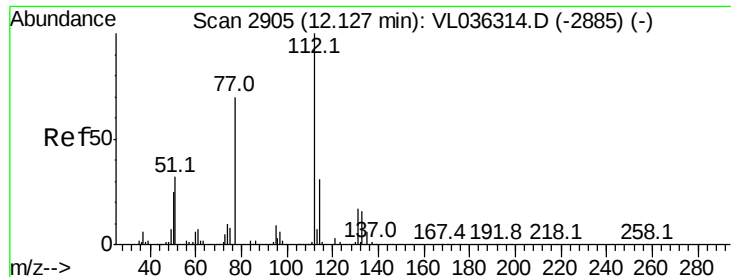
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.526 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Tgt Ion:131 Resp: 1258554
Ion Ratio Lower Upper
131 100
133 96.2 76.0 114.0
119 145.8 115.1 172.7





#57

Chlorobenzene

Concen: 8.350 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :

MSVOA_L

ClientSampleId :

ICVVL021021

Tot Ion:112 Resp: 2070488

Ion Ratio Lower Upper

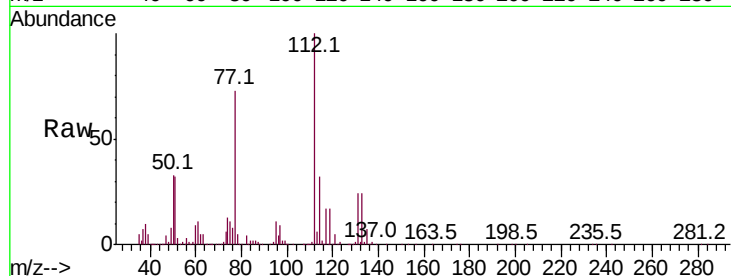
112 100

77 72.0 56.1 84.1

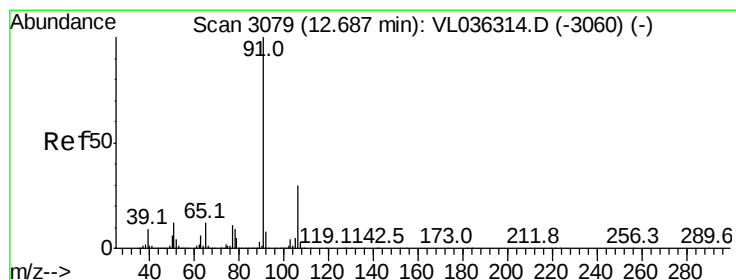
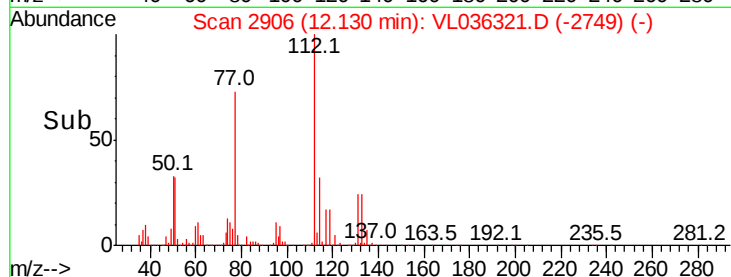
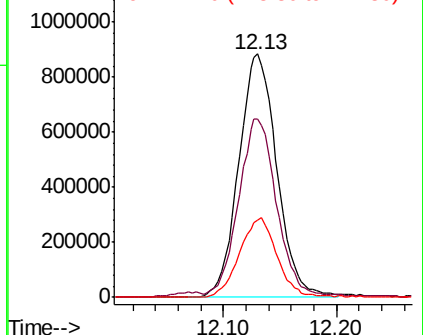
114 31.6 28.3 34.5

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Abundance Ion 112.10 (111.80 to 112.80): V
1200000
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.962 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.01 min

Lab File: VL036321.D

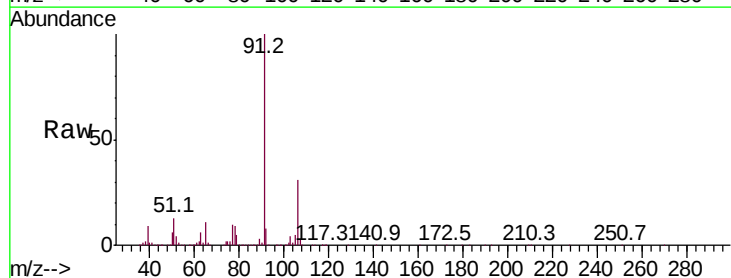
Acq: 10 Feb 2021 16:21

Tgt Ion: 91 Resp: 3938586

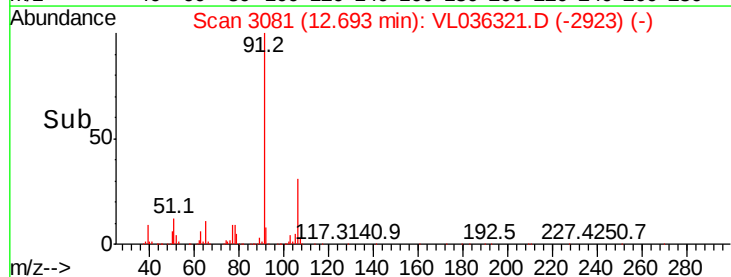
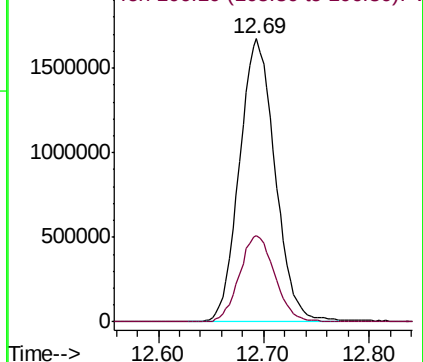
Ion Ratio Lower Upper

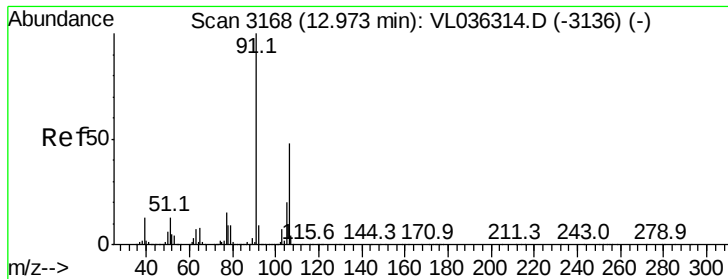
91 100

106 30.5 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
2000000
Ion 106.10 (105.80 to 106.80): V





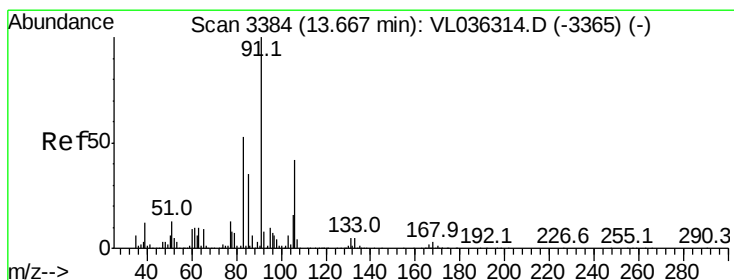
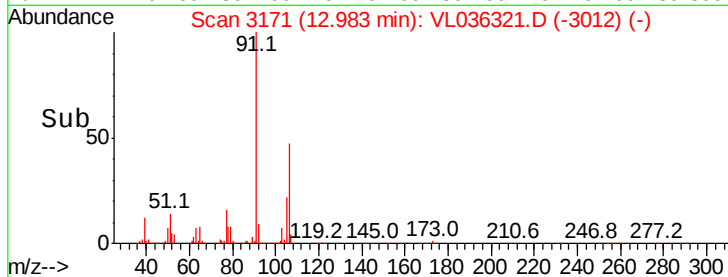
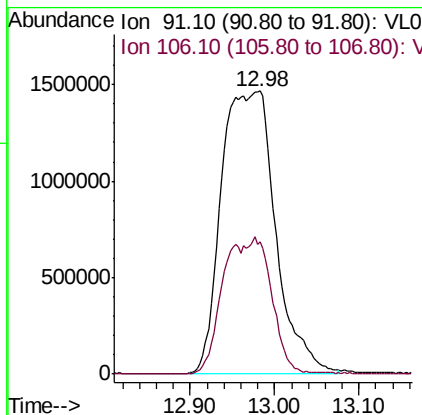
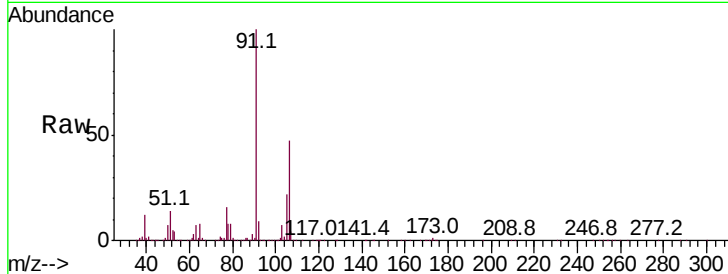
#59
m/p-Xylene
Concen: 16.980 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Instrument :
MSVOA_L
ClientSampleId :
ICVVL021021

Tot Ion: 91 Resp: 6554552
Ion Ratio Lower Upper
91 100
106 43.3 34.2 51.2

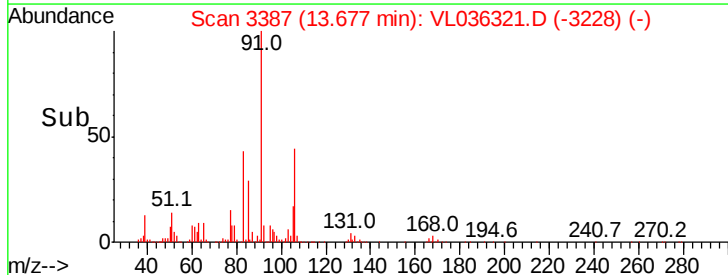
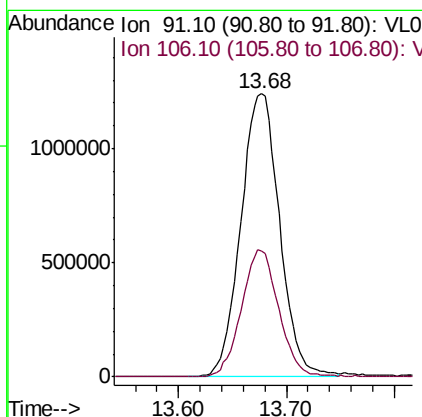
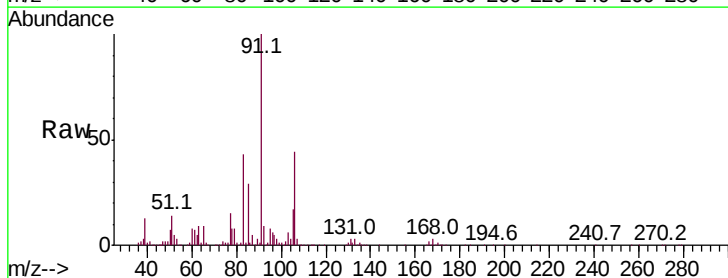
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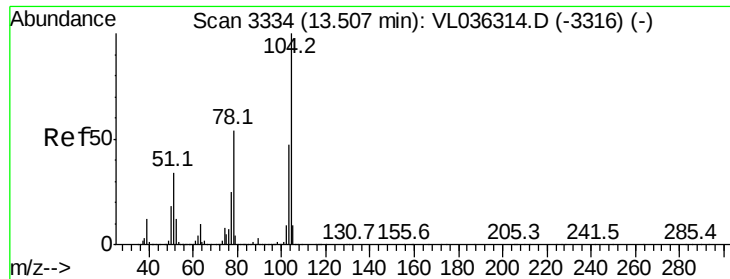
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2/12/2021 1:42:05 PM



#60
o-Xylene
Concen: 8.379 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. 0.01 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Tgt Ion: 91 Resp: 3092565
Ion Ratio Lower Upper
91 100
106 43.7 22.0 66.0





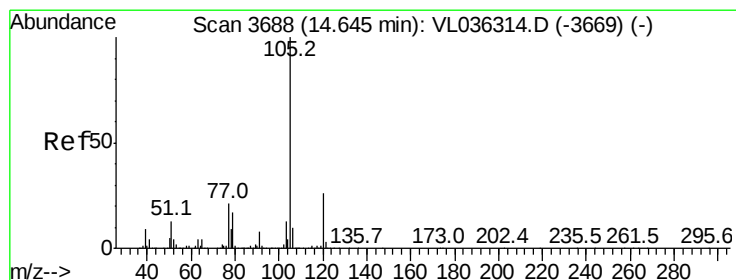
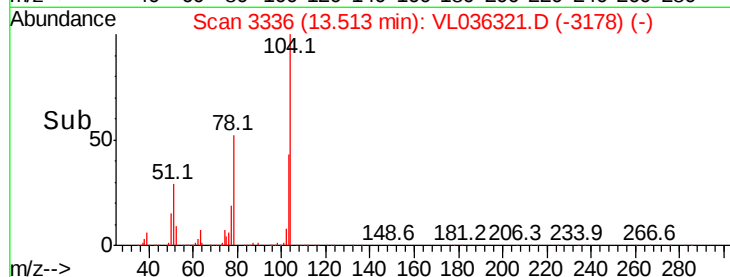
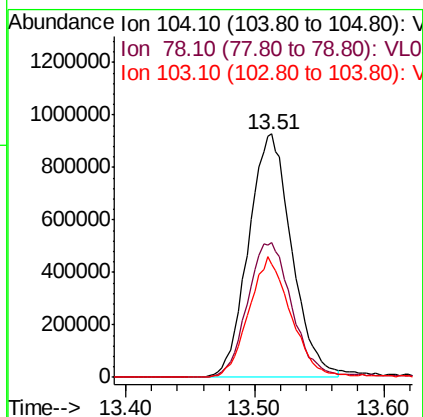
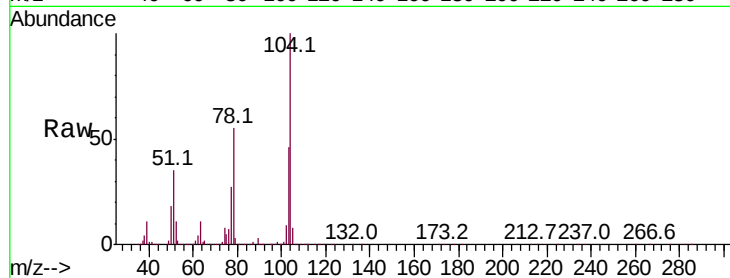
#61
Stvrene
Concen: 9.454 ppbv
RT: 13.51 min Scan# 3336
Delta R.T. 0.01 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Instrument :
MSVOA_L
ClientSampleId :
ICVVL021021

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.8	46.2	69.2
103	48.6	38.3	57.5

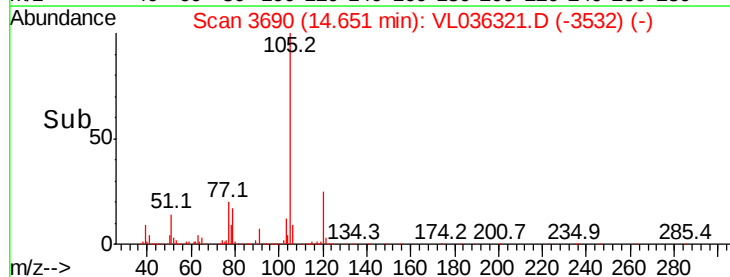
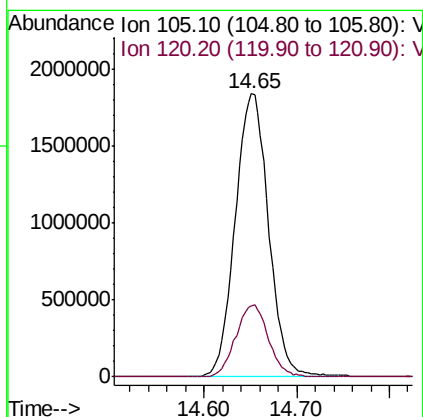
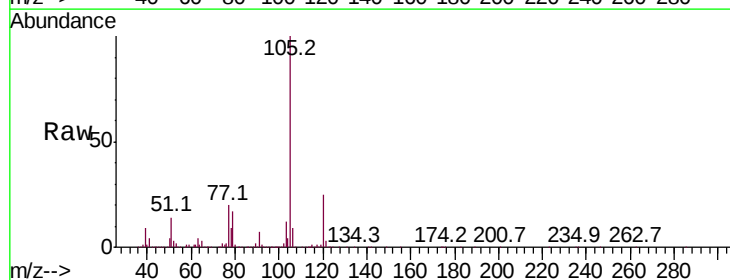
Manual Integrations
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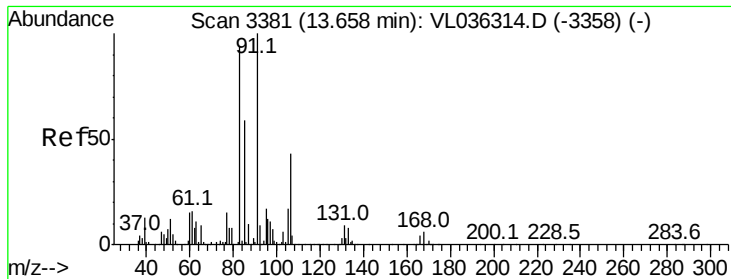
MMDadoda
2/12/2021 1:42:05 PM



#62
Isopropylbenzene
Concen: 8.291 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. 0.01 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.6	30.8





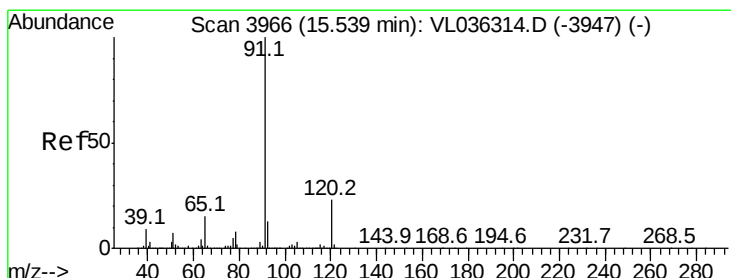
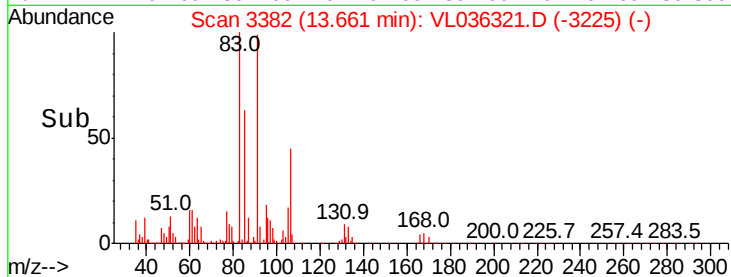
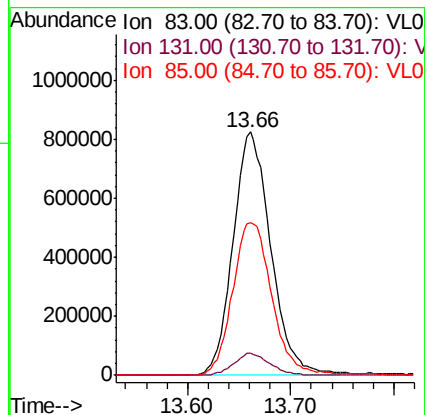
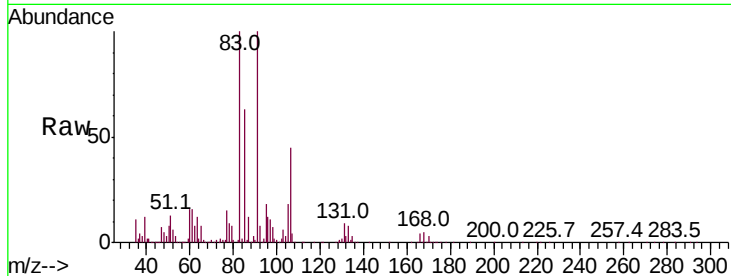
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.211 ppbv
 RT: 13.66 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VL036321.D
 Acq: 10 Feb 2021 16:21

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL021021

Tot Ion	83	Resp	2100007
Ion Ratio	100	Lower	Upper
83	100		
131	8.9	4.7	14.0
85	65.4	33.0	98.9

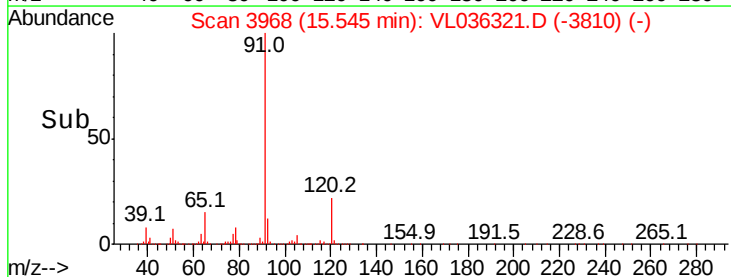
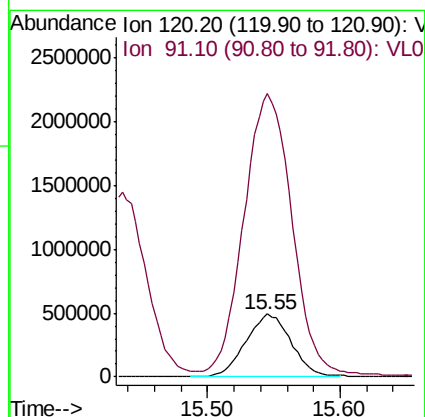
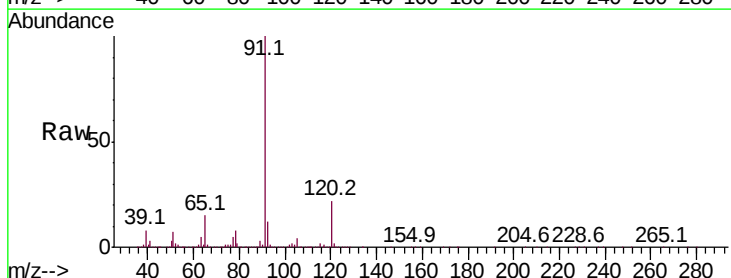
Manual Integrations
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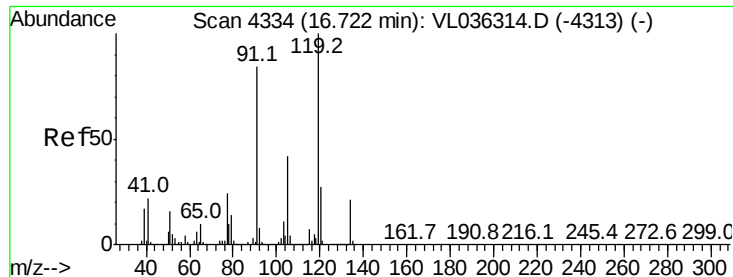
MMDadoda
 2/12/2021 1:42:05 PM



#64
 n-propylbenzene
 Concen: 8.584 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. 0.01 min
 Lab File: VL036321.D
 Acq: 10 Feb 2021 16:21

Tgt Ion	120	Resp	1168762
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
120	100		
91	485.2	387.2	580.8





#65

tert-Butylbenzene

Concen: 8.139 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :

MSVOA_L

ClientSampleId :

ICVVL021021

Tot Ion:119 Resp: 3852553

Ion Ratio Lower Upper

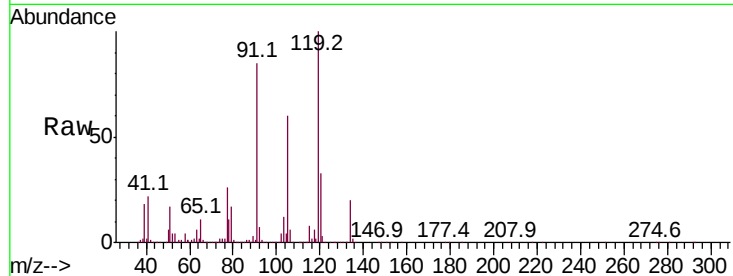
119 100

91 87.5 70.5 105.7

134 19.9 15.8 23.8

Manual Integrations
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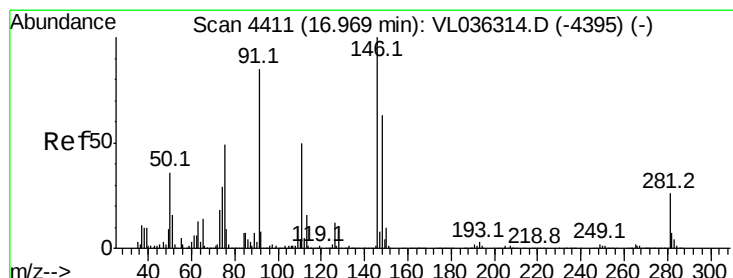
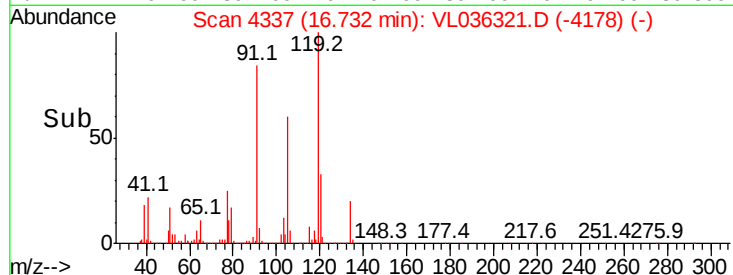
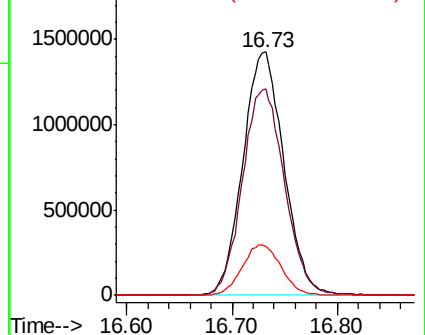
MMDadoda
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.801 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. 0.00 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

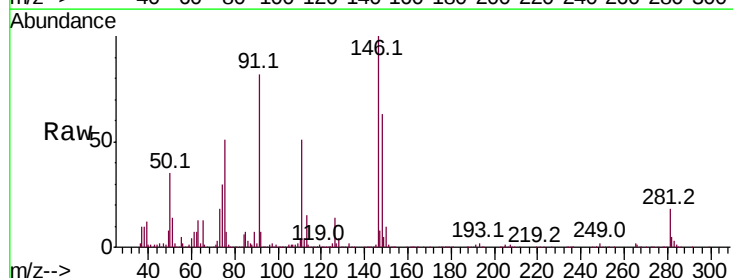
Tgt Ion: 91 Resp: 1261203

Ion Ratio Lower Upper

91 100

126 16.4 12.9 19.3

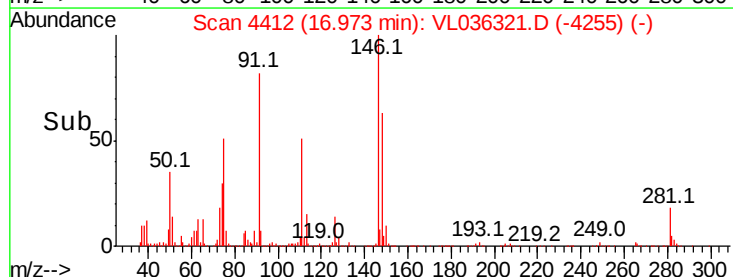
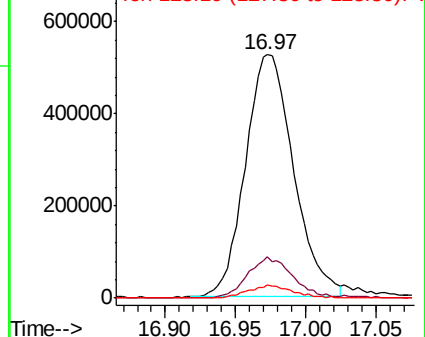
128 5.2 4.2 6.2

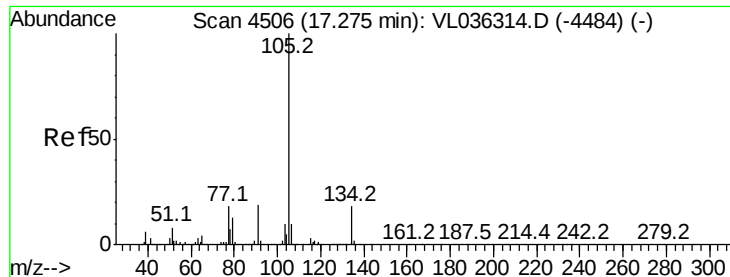


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





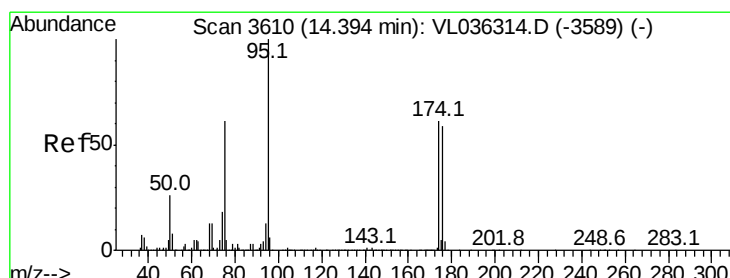
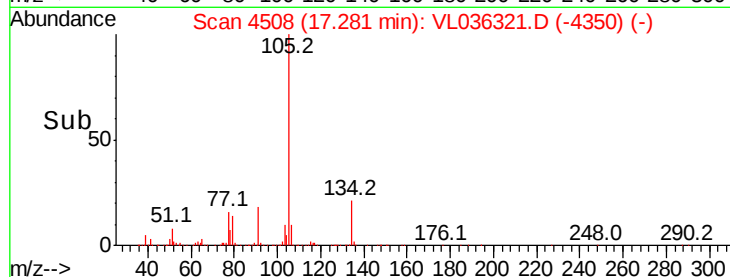
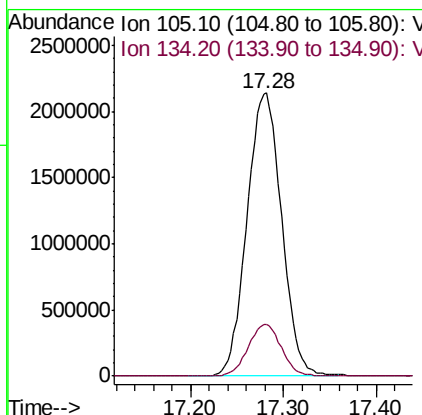
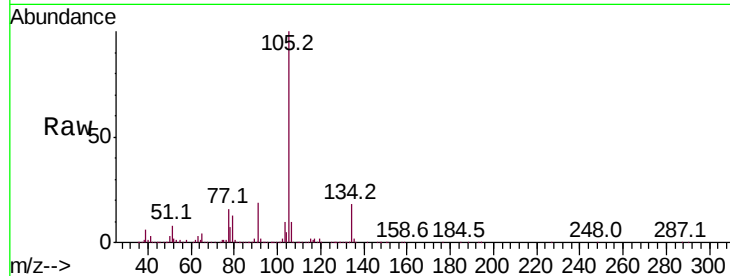
#67
 sec-Butylbenzene
 Concen: 8.116 ppbv
 RT: 17.28 min Scan# 4508
 Delta R.T. 0.01 min
 Lab File: VL036321.D
 Acq: 10 Feb 2021 16:21

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL021021

Tot Ion: 105 Resp: 5540473
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.2 21.4

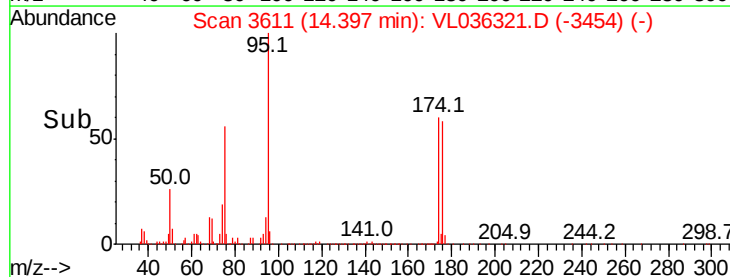
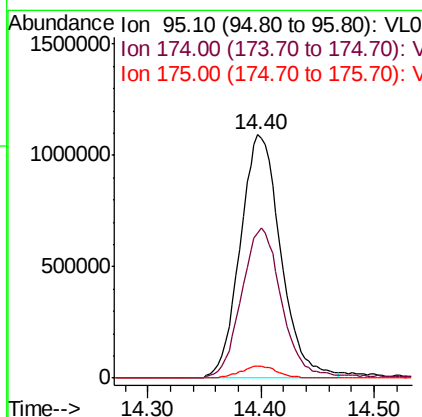
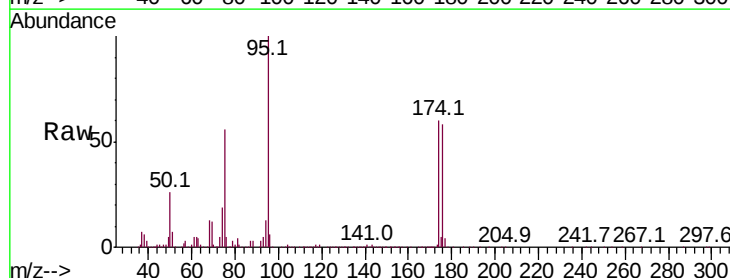
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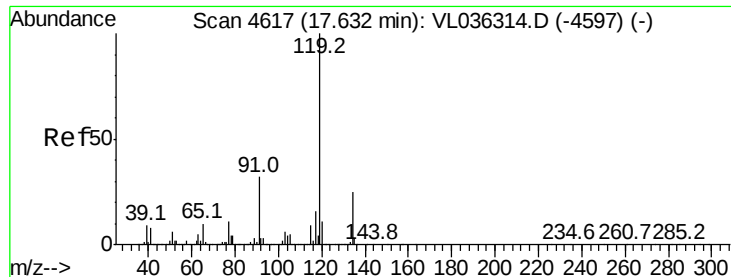
MMDadoda
 2/12/2021 1:42:05 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.313 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VL036321.D
 Acq: 10 Feb 2021 16:21

Tgt Ion: 95 Resp: 2723245
 Ion Ratio Lower Upper
 95 100
 174 62.4 49.8 74.6
 175 4.6 3.7 5.5





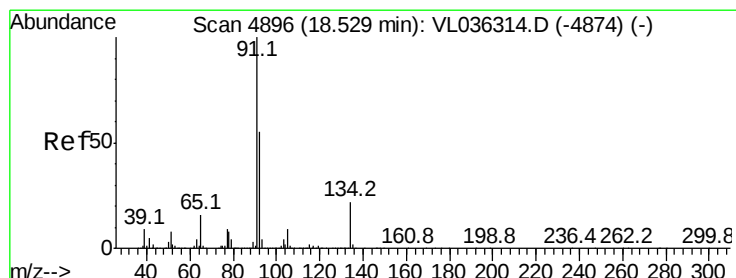
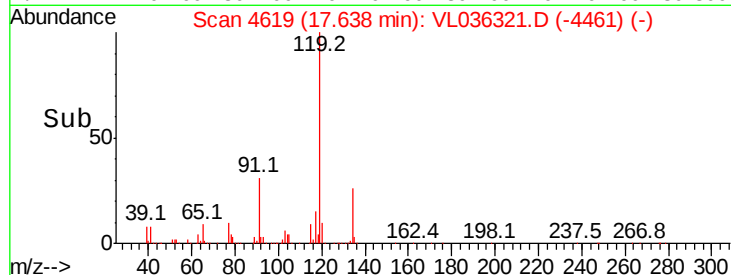
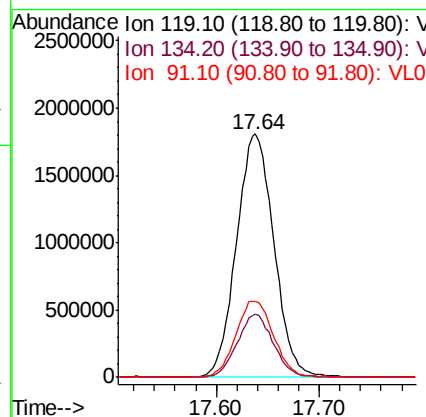
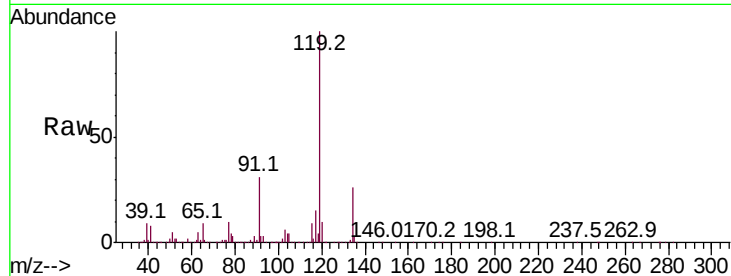
#69
 p-Isopropyltoluene
 Concen: 8.653 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. 0.01 min
 Lab File: VL036321.D
 Acq: 10 Feb 2021 16:21

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL021021

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.1	30.1
91	31.8	25.8	38.6

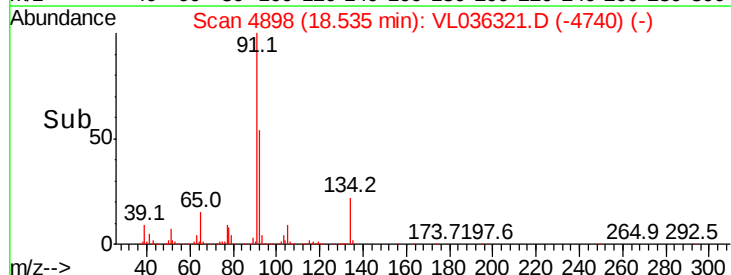
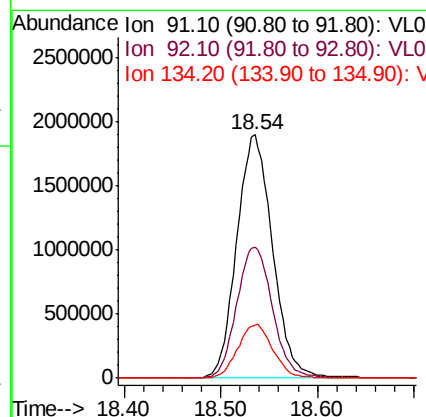
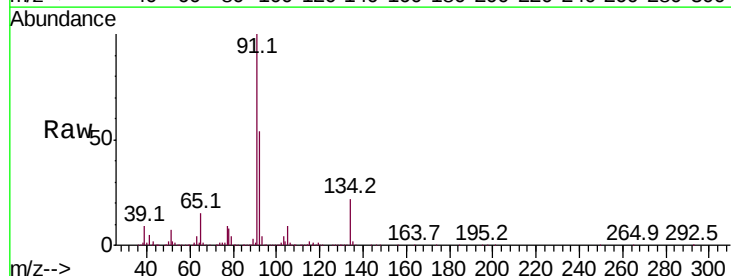
Manual Integrations
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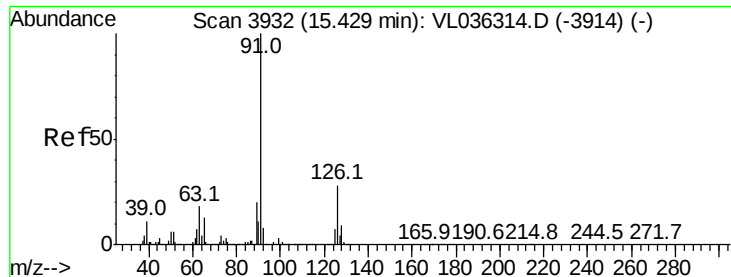
MMDadoda
 2/12/2021 1:42:05 PM



#70
 n-Butylbenzene
 Concen: 8.590 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. 0.01 min
 Lab File: VL036321.D
 Acq: 10 Feb 2021 16:21

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.7	65.5
134	21.8	17.4	26.0





#71

2-Chlorotoluene

Concen: 8.352 ppbv

RT: 15.44 min Scan# 3934

Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :

MSVOA_L

ClientSampleId :

ICVVL021021

Tot Ion: 91 Resp: 3541884

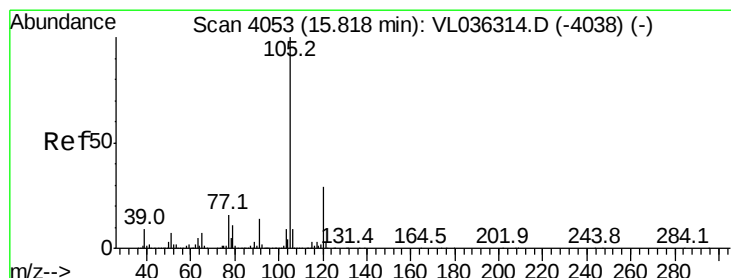
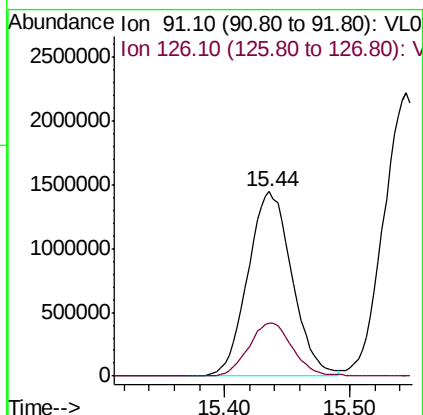
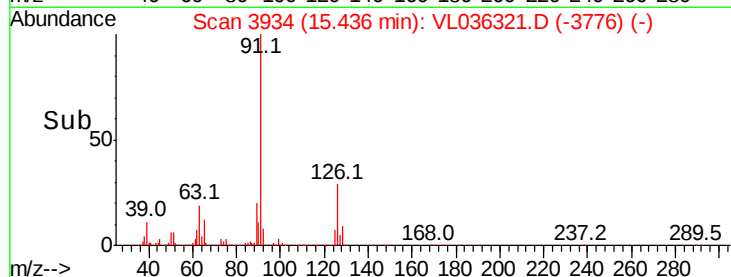
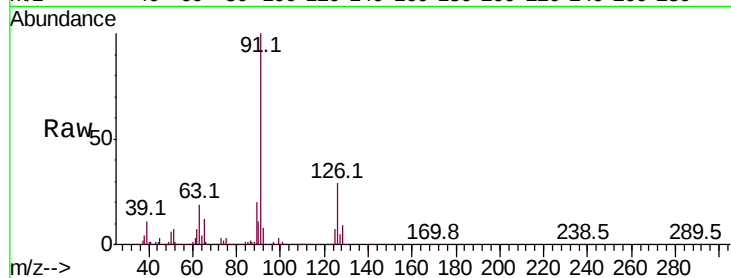
Ion Ratio Lower Upper

91 100

126 29.2 11.5 46.1

Manual Integrations
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#72

4-Ethyltoluene

Concen: 8.578 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. 0.00 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Tgt Ion: 105 Resp: 3523189

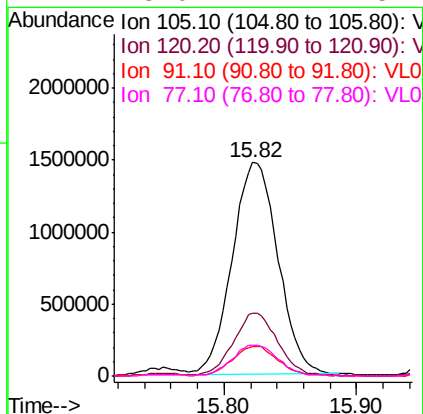
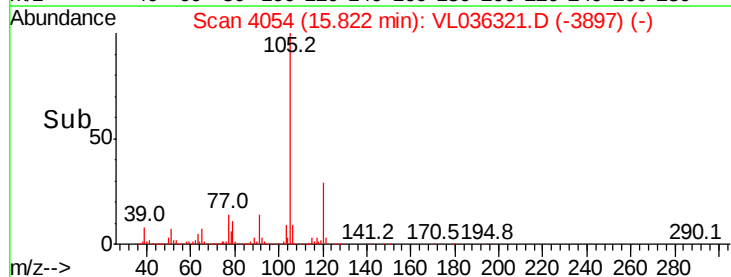
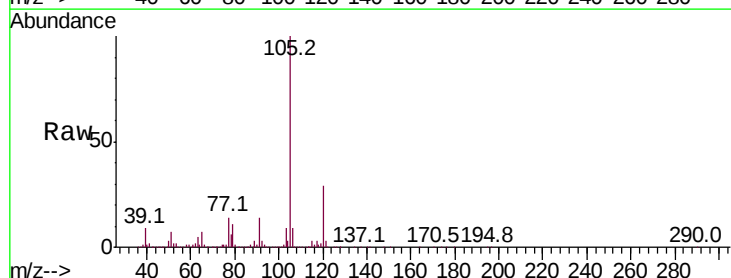
Ion Ratio Lower Upper

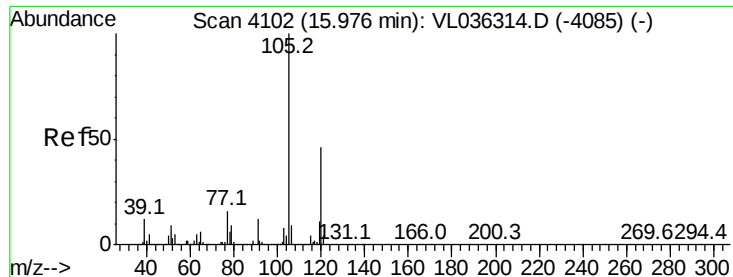
105 100

120 29.2 23.2 34.8

91 14.0 11.0 16.4

77 15.0 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 8.357 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :

MSVOA_L

ClientSampleId :

ICVVL021021

Tot Ion:105 Resp: 3327544

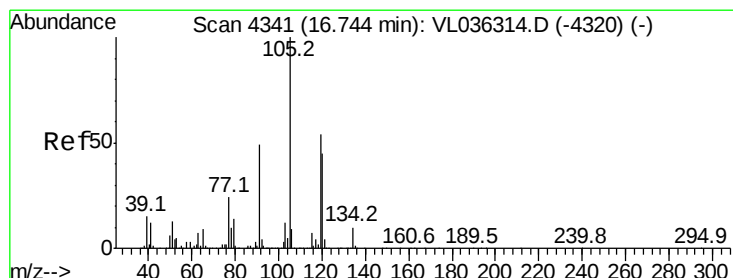
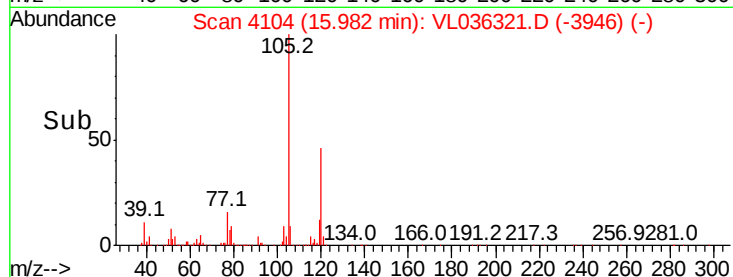
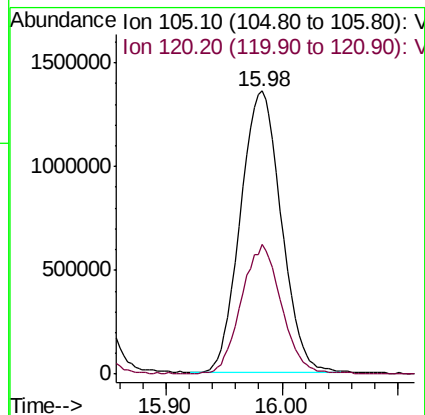
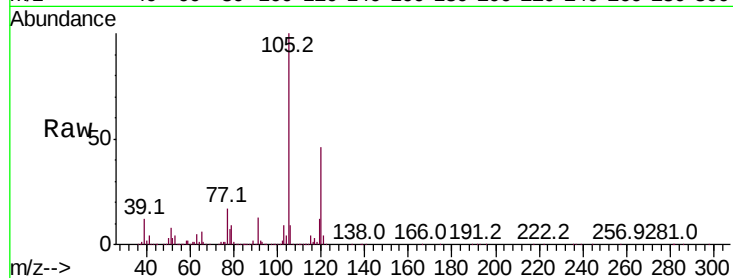
Ion Ratio Lower Upper

105 100

120 46.0 36.9 55.3

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 8.286 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.00 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Tgt Ion:105 Resp: 3367966

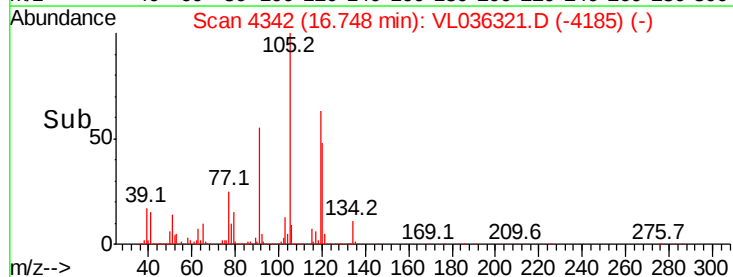
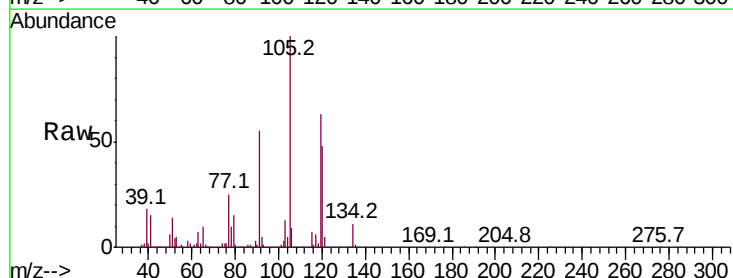
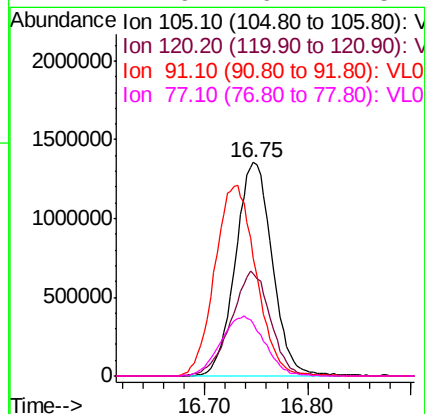
Ion Ratio Lower Upper

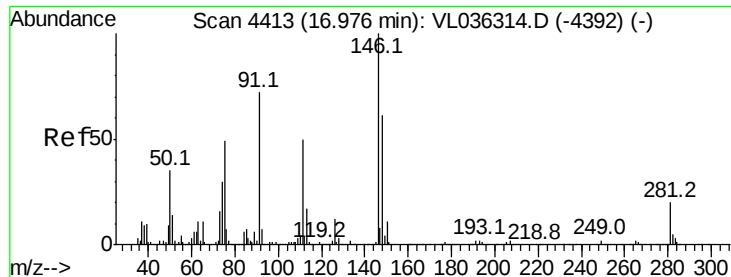
105 100

120 47.6 35.8 53.6

91 54.9 39.8 59.6

77 24.6 19.1 28.7





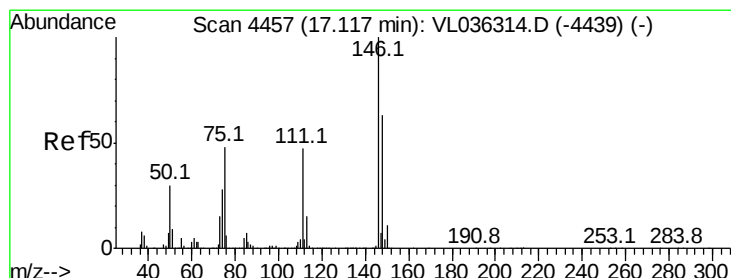
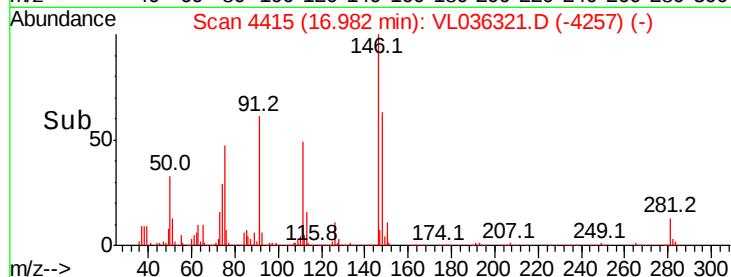
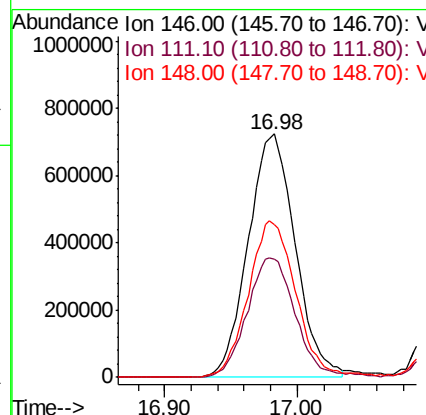
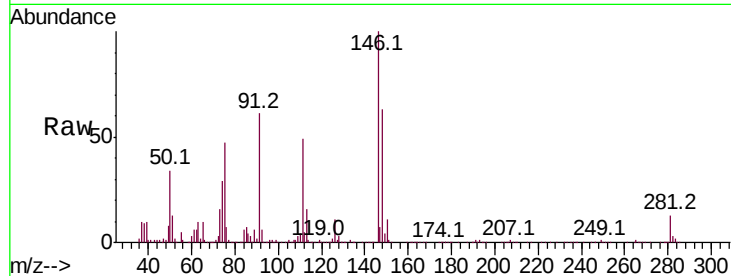
#75
 1,3-Dichlorobenzene
 Concen: 8.087 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.01 min
 Lab File: VL036321.D
 Acq: 10 Feb 2021 16:21

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL021021

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.6	24.9	74.6
148	65.3	31.9	95.9

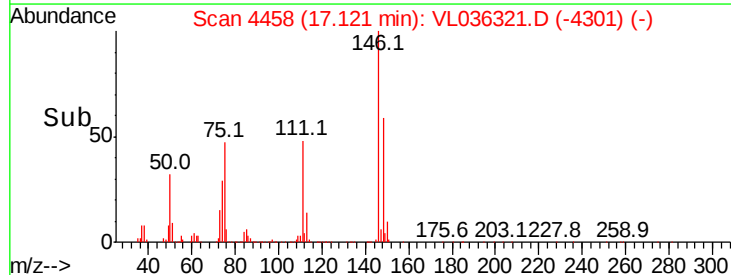
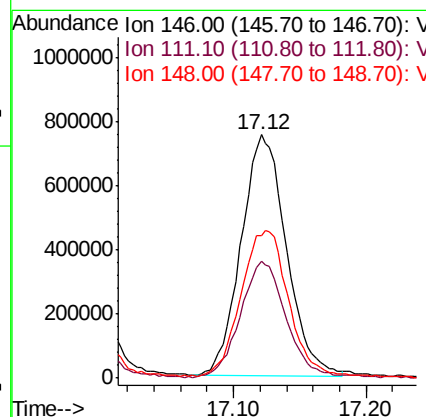
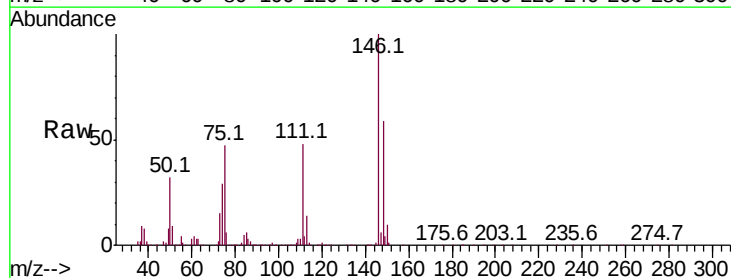
Manual Integrations
 APPROVED

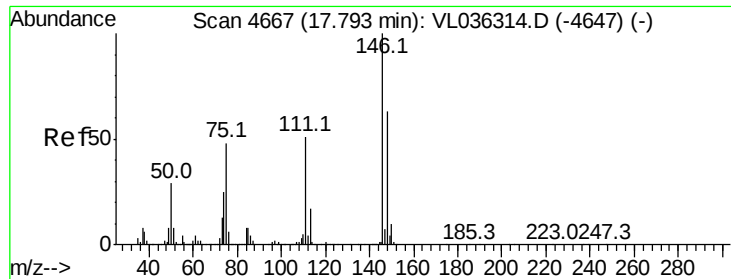
MMDadoda
 2/12/2021 1:42:05 PM



#76
 1,4-Dichlorobenzene
 Concen: 7.750 ppbv
 RT: 17.12 min Scan# 4458
 Delta R.T. 0.00 min
 Lab File: VL036321.D
 Acq: 10 Feb 2021 16:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.1	23.6	71.0
148	65.4	31.6	95.0





#77

1,2-Dichlorobenzene

Concen: 8.192 ppbv

RT: 17.80 min Scan# 4669

Delta R.T. 0.01 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

Instrument :

MSVOA_L

ClientSampleId :

ICVVL021021

Tot Ion:146 Resp: 1793083

Ion Ratio Lower Upper

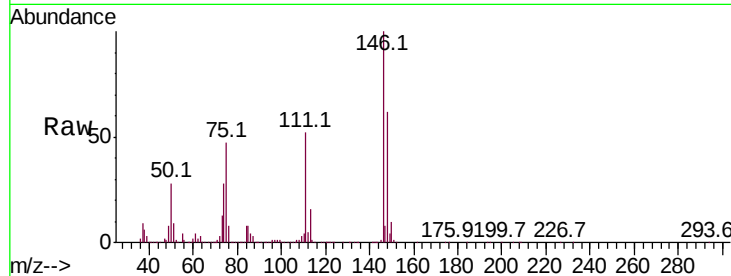
146 100

111 50.6 25.9 77.8

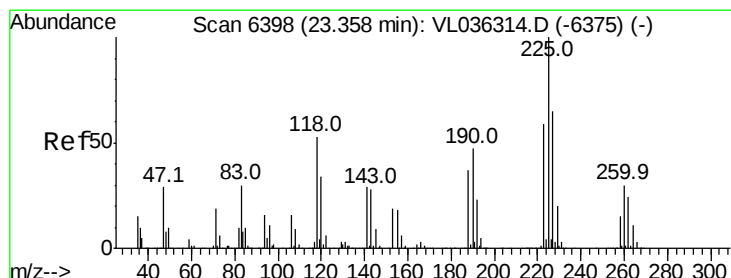
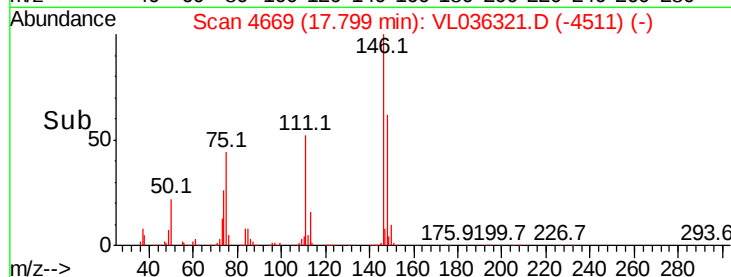
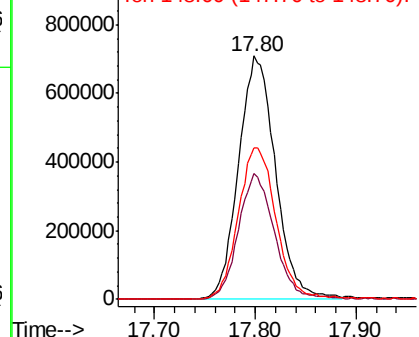
148 64.6 32.5 97.4

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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.203 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. 0.00 min

Lab File: VL036321.D

Acq: 10 Feb 2021 16:21

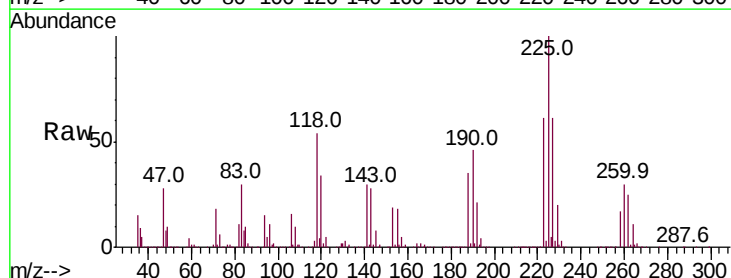
Tgt Ion:225 Resp: 1466826

Ion Ratio Lower Upper

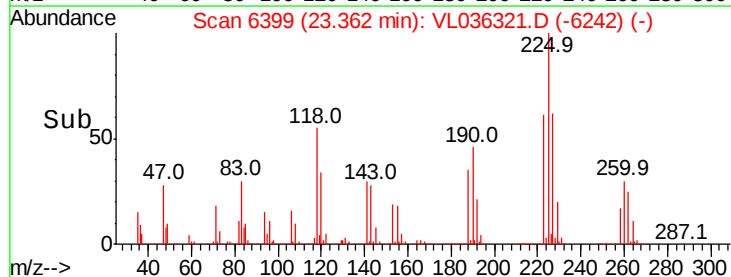
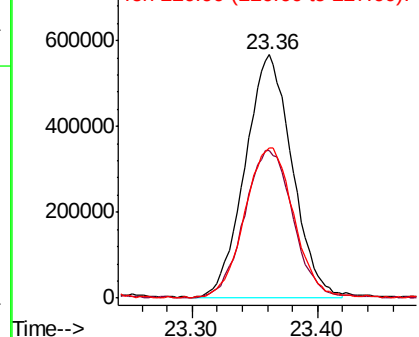
225 100

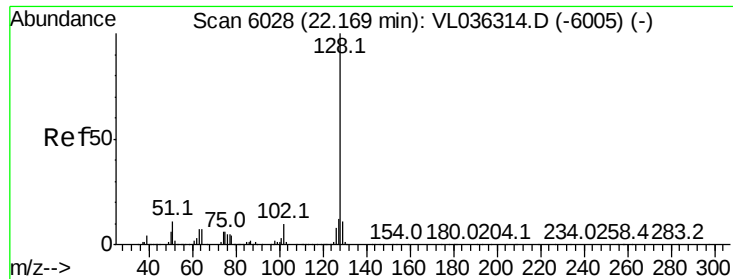
223 63.9 50.8 76.2

227 65.2 52.2 78.2



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





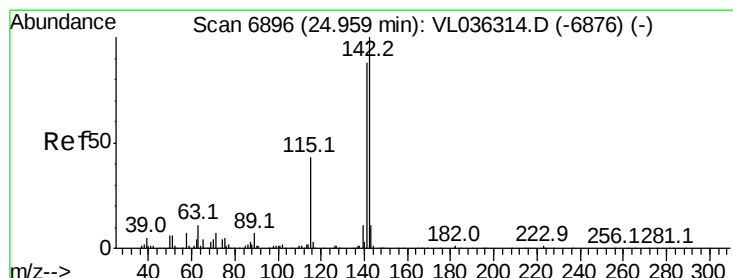
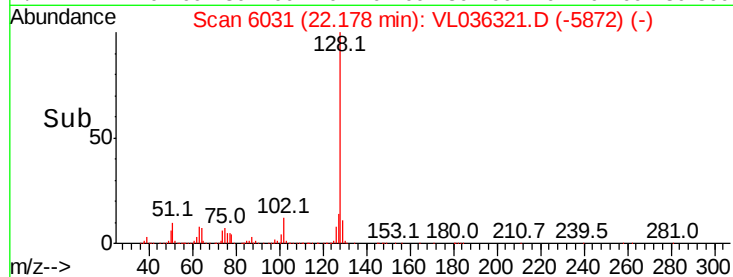
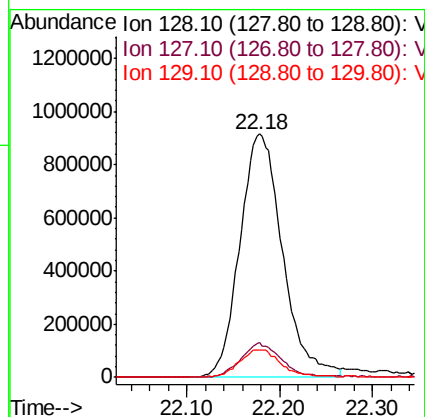
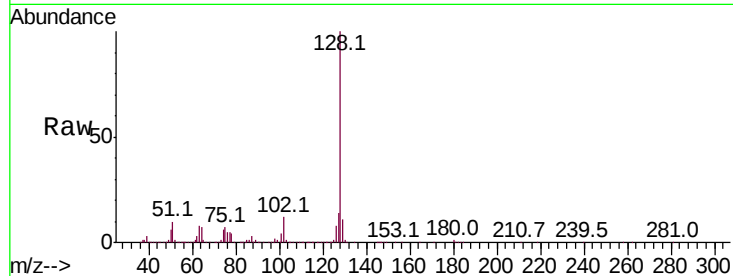
#79
Naphthalene
Concen: 12.161 ppbv
RT: 22.18 min Scan# 6031
Delta R.T. 0.01 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Instrument :
MSVOA_L
ClientSampleId :
ICVVL021021

Tot Ion:	128	Resp:	2930266
Ion	Ratio	Lower	Upper
128	100		
127	14.5	9.6	14.4#
129	11.3	8.5	12.7

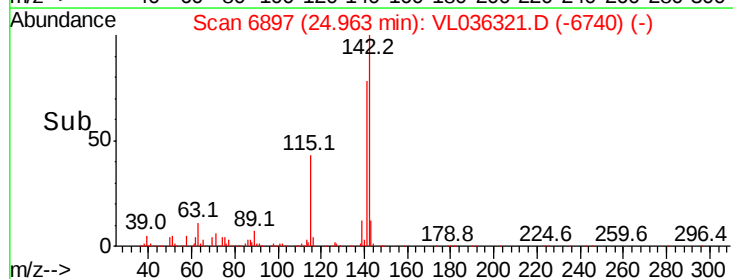
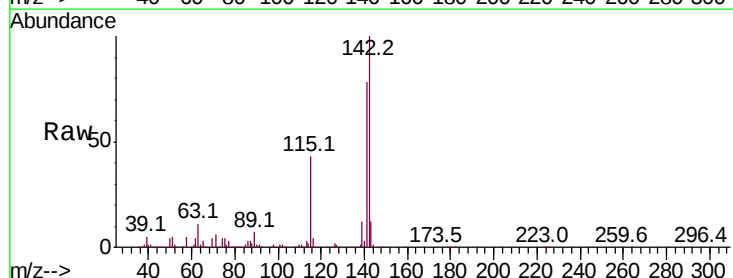
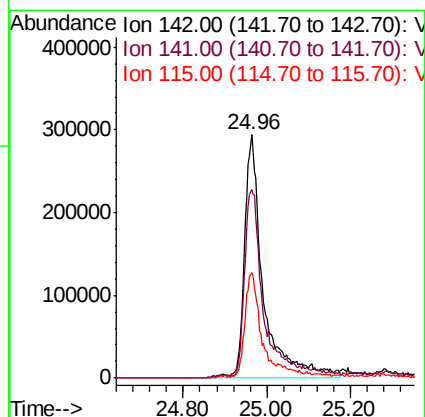
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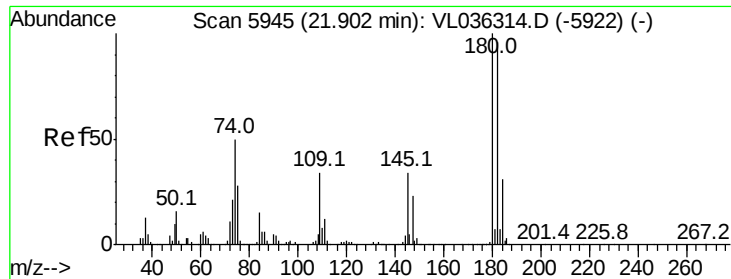
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#80
Naphthalene, 2-methyl-
Concen: 20.227 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL036321.D
Acq: 10 Feb 2021 16:21

Tgt Ion:	142	Resp:	902409
Ion	Ratio	Lower	Upper
142	100		
141	82.7	64.4	96.6
115	41.1	34.6	51.8





#81
 1,2,4-Trichlorobenzene
 Concen: 10.078 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. 0.01 min
 Lab File: VL036321.D
 Acq: 10 Feb 2021 16:21

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVV021021

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.2	80.2	120.4
184	31.7	25.0	37.6

Manual Integrations
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