

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036323.D
 Acq On : 10 Feb 2021 18:37
 Operator : SY/AP
 Sample : VL0210ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0210ABS01

Manual Integrations
 APPROVED

MMDadoda
 2/12/2021 1:42:08 PM

Quant Time: Feb 11 06:18:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1461602	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3428276	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3136414m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2670148	10.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	1878150	8.610 ppbv	99
3) Chlorodifluoromethane	2.98	51	1608808	8.859 ppbv	99
4) Chloromethane	3.13	50	788810	8.991 ppbv	97
5) Vinyl Chloride	3.24	62	779797	9.545 ppbv	99
6) Bromomethane	3.46	94	446577	9.196 ppbv	94
7) Chloroethane	3.54	64	267416	9.218 ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	1790249	9.024 ppbv	100
9) Propene	3.00	41	730399	10.787 ppbv	100
10) Heptane	8.10	43	1867069	9.356 ppbv	98
11) Trichlorofluoromethane	3.93	101	1932712	9.048 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1209309	9.140 ppbv	100
13) Ethanol	3.59	45	99076	7.790 ppbv	100
14) Bromoethene	3.72	108	504852	9.117 ppbv	100
15) Acetone	3.84	43	1462048	8.183 ppbv	100
16) 1,3-Butadiene	3.31	39	783135	9.167 ppbv	97
17) tert-Butyl alcohol	4.28	59	1255047	9.049 ppbv	98
18) 1,1-Dichloroethene	4.27	96	534029	8.881 ppbv	97
19) Isopropyl Alcohol	3.96	45	858890	8.677 ppbv	# 98
20) Methylene Chloride	4.33	84	462670	8.027 ppbv	94
21) Allyl Chloride	4.40	41	906936	9.117 ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	490464	8.980 ppbv	94
23) Vinyl Acetate	5.06	43	1937832	9.225 ppbv	97
24) 1,1-Dichloroethane	5.00	63	1432333	9.219 ppbv	99
25) Ethyl Acetate	5.66	43	3161207	9.165 ppbv	99
26) Hexane	5.67	57	1252053	8.835 ppbv	98
27) Carbon Disulfide	4.53	76	1345071	10.327 ppbv	97
28) Methyl tert-Butyl Ether	5.01	73	1807391	9.763 ppbv	99
29) Chloroform	5.74	83	2040602	8.938 ppbv	99
30) Cyclohexane	7.11	84	1061622	9.008 ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1301936	9.285 ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	1989867	9.323 ppbv	99
34) 2-Butanone	5.23	43	1950458	8.563 ppbv	99
35) Carbon Tetrachloride	7.00	117	2031334	8.841 ppbv	97
36) Benzene	6.87	78	2638182	9.059 ppbv	98
37) 1,2-Dichloroethane	6.29	62	1608155	8.931 ppbv	99
38) Trichloroethene	7.82	130	898531	8.613 ppbv	96
39) 1,2-Dichloropropane	7.60	63	1066995	9.019 ppbv	98
40) 1,4-Dioxane	7.81	88	342370	8.353 ppbv	# 1
41) Tetrahydrofuran	6.03	42	1185535	9.327 ppbv	98
42) Bromodichloromethane	7.77	83	2185461	9.063 ppbv	97
43) Methyl Methacrylate	8.00	69	1183971	9.640 ppbv	99

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Manual Integrations
 APPROVED

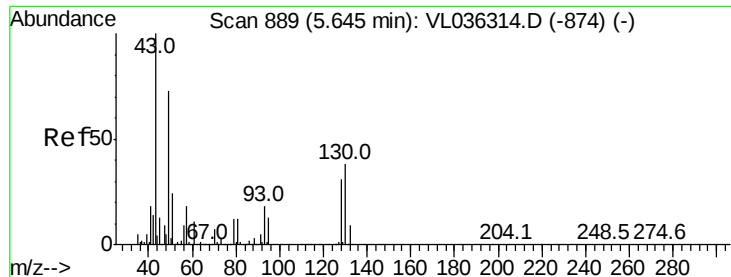
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 2/12/2021 1:42:08 PM

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.85	57	4580833m	8.651	ppbv	
45) t-1,3-Dichloropropene	9.26	75	1230785	10.388	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1526371	10.142	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1035362	8.552	ppbv	96
48) Dibromochloromethane	10.29	129	1724749	9.547	ppbv	99
49) Bromoform	13.03	173	1360070	9.313	ppbv	98
50) 4-Methyl-2-Pentanone	8.72	43	3082271	9.115	ppbv	99
51) 2-Hexanone	10.12	43	2459108	9.571	ppbv #	99
52) Tetrachloroethene	11.20	164	859428	8.061	ppbv	97
53) Toluene	9.79	91	2954757	9.367	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1530000	8.745	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	1271943	8.817	ppbv #	61
57) Chlorobenzene	12.13	112	2096475	8.652	ppbv	100
58) Ethyl Benzene	12.69	91	3952906	9.204	ppbv	98
59) m/p-Xylene	12.98	91	6668549m	17.677	ppbv	
60) o-Xylene	13.68	91	3091450	8.571	ppbv	100
61) Styrene	13.51	104	2181010	9.757	ppbv	100
62) Isopropylbenzene	14.65	105	4631487	8.566	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2136258	7.506	ppbv	99
64) n-propylbenzene	15.55	120	1185649	8.911	ppbv	99
65) tert-Butylbenzene	16.73	119	3839523	8.300	ppbv	99
66) Benzyl Chloride	16.97	91	1253587	9.969	ppbv	100
67) sec-Butylbenzene	17.28	105	5594319	8.386	ppbv	100
69) p-Isopropyltoluene	17.64	119	4574061	8.872	ppbv	99
70) n-Butylbenzene	18.54	91	4854208	8.780	ppbv	100
71) 2-Chlorotoluene	15.44	91	3581634	8.642	ppbv	100
72) 4-Ethyltoluene	15.82	105	3493554	8.703	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	3336531	8.575	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3405072	8.572	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	1790039	8.302	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	1793296	8.009	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	1758058	8.219	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	1472366m	8.426	ppbv	
79) Naphthalene	22.17	128	2881457	12.237	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	720480	16.525	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	1481032	10.309	ppbv	99

(#) = 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

Lab File: VL036323.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0210ABS01

Tot Ion: 49 Resp: 1461602

Ion Ratio Lower Upper

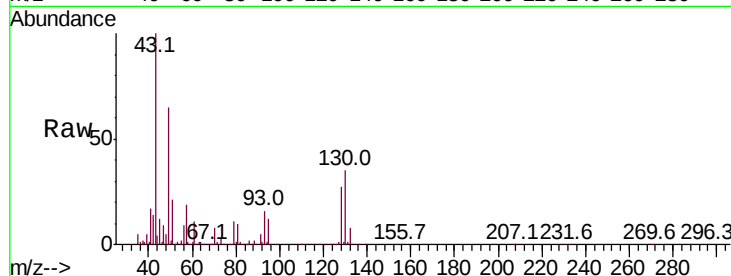
49 100

128 43.5 20.8 62.5

130 54.6 26.7 80.1

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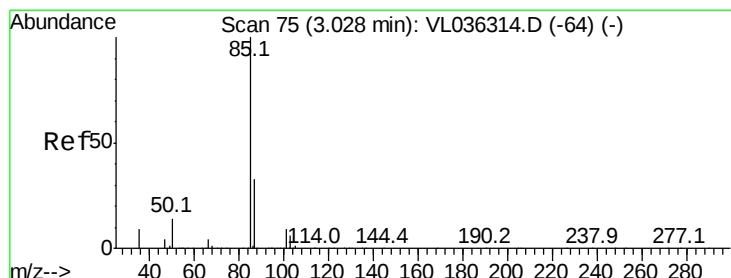
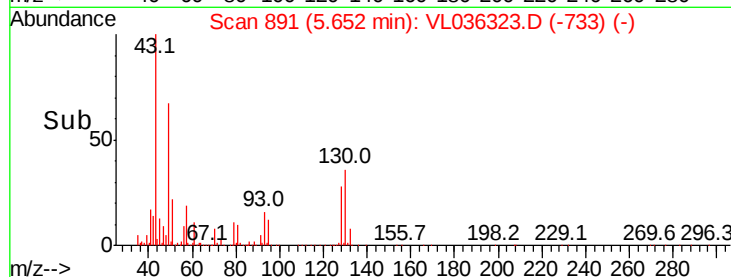
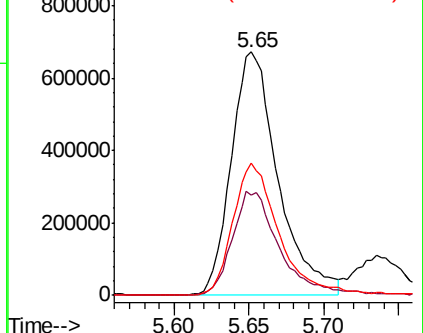
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.610 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.01 min

Lab File: VL036323.D

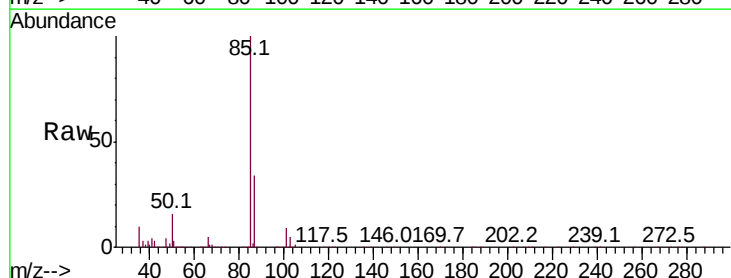
Acq: 10 Feb 2021 18:37

Tgt Ion: 85 Resp: 1878150

Ion Ratio Lower Upper

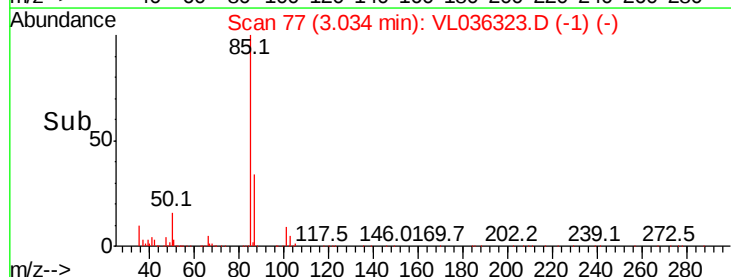
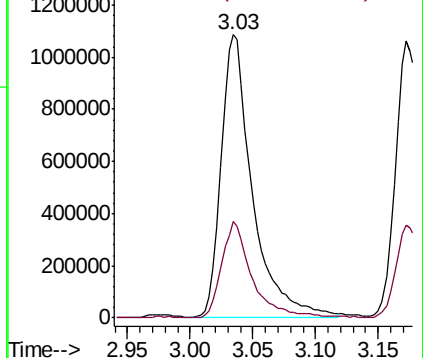
85 100

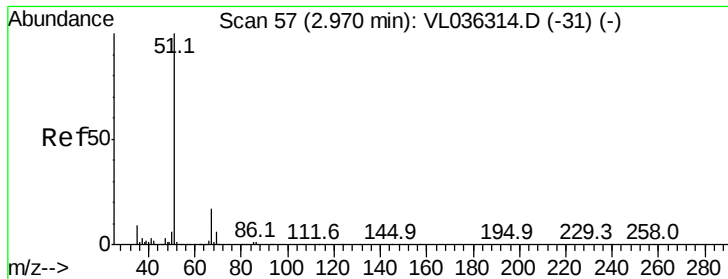
87 33.9 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





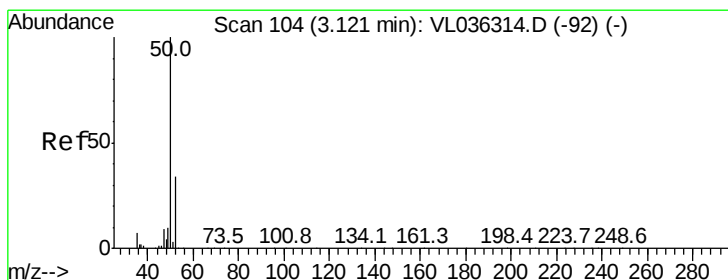
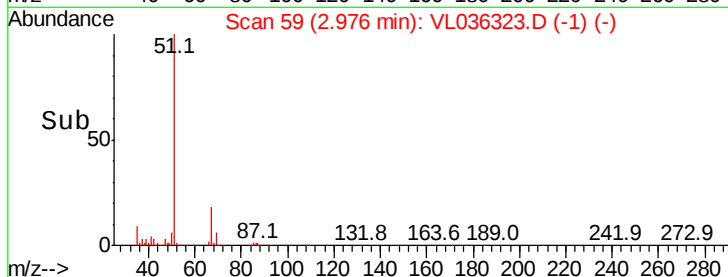
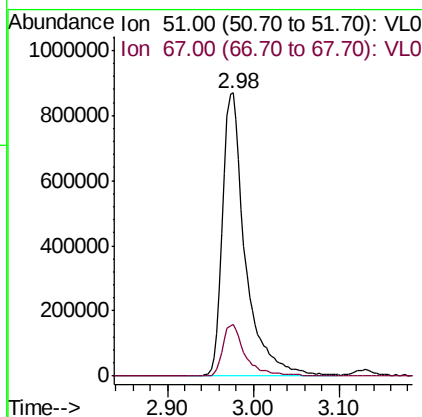
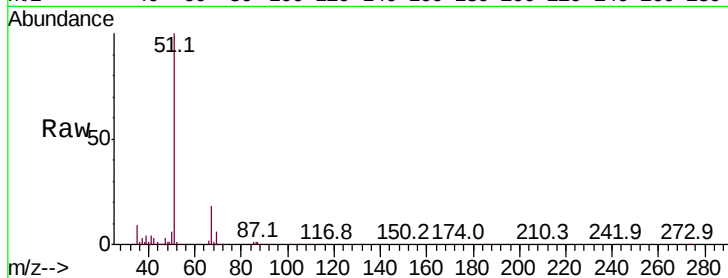
#3
Chlorodifluoromethane
Concen: 8.859 ppbv
RT: 2.98 min Scan# 59
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
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ClientSampleId :
VL0210ABS01

Tot Ion: 51 Resp: 1608808
Ion Ratio Lower Upper
51 100
67 18.2 14.7 22.1

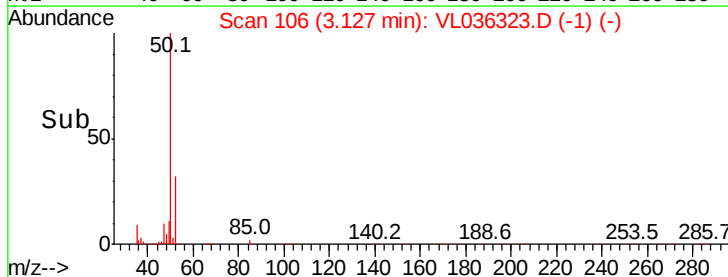
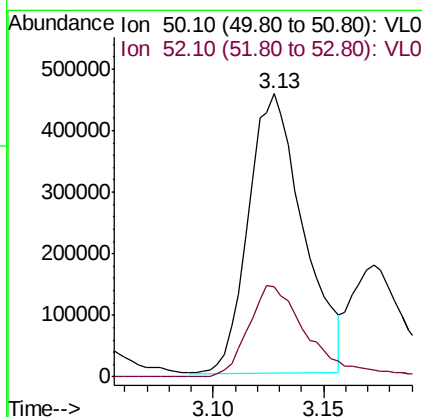
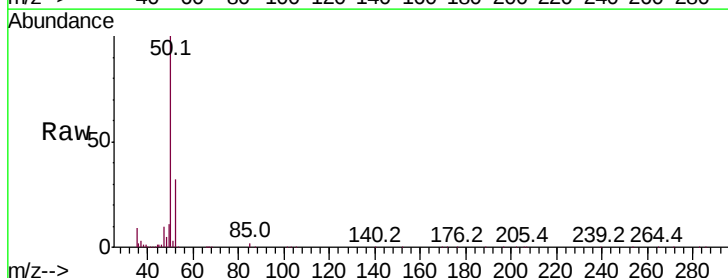
Manual Integrations
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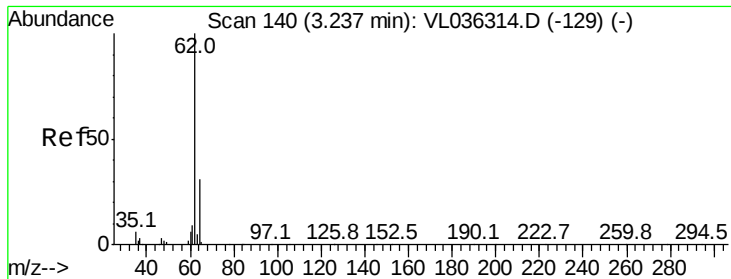
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#4
Chloromethane
Concen: 8.991 ppbv
RT: 3.13 min Scan# 106
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion: 50 Resp: 788810
Ion Ratio Lower Upper
50 100
52 32.1 27.0 40.4





#5

Vinyl Chloride

Concen: 9.545 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

VL0210ABS01

Tot Ion: 62 Resp: 779797

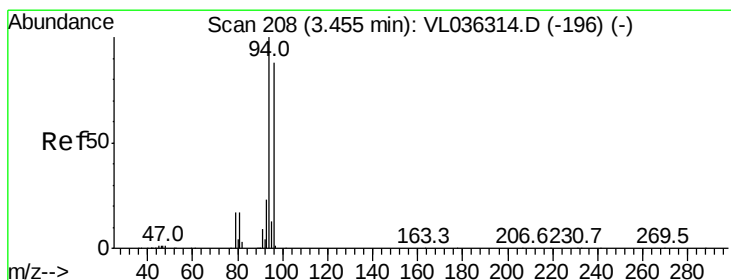
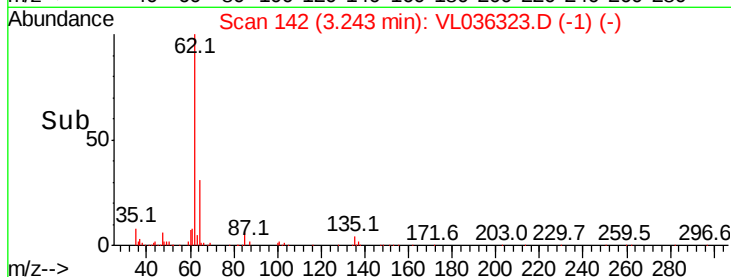
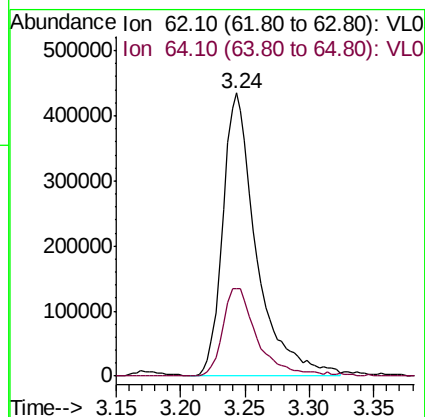
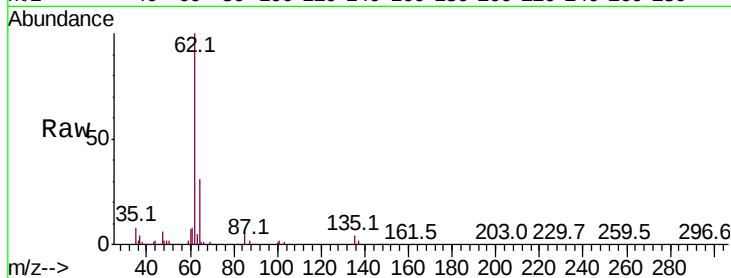
Ion Ratio Lower Upper

62 100

64 30.9 24.4 36.6

Manual Integrations
APPROVED

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#6

Bromomethane

Concen: 9.196 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036323.D

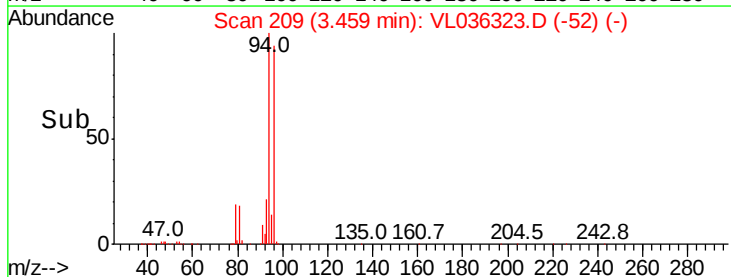
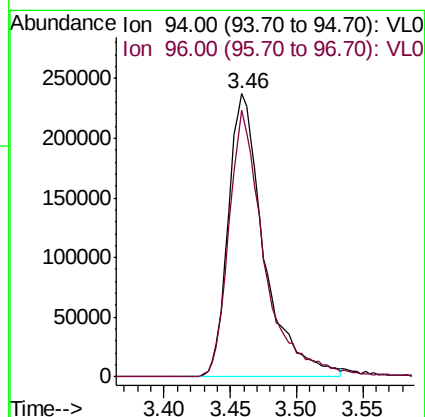
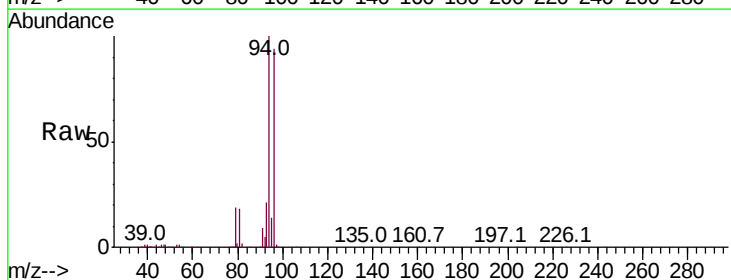
Acq: 10 Feb 2021 18:37

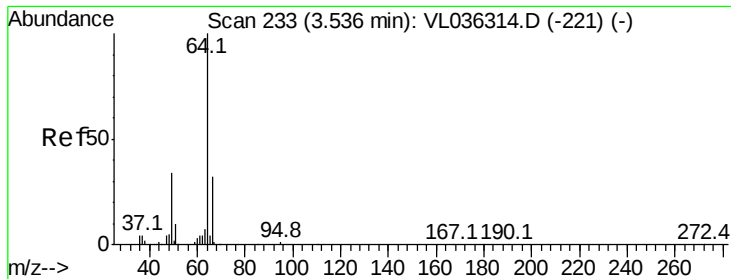
Tgt Ion: 94 Resp: 446577

Ion Ratio Lower Upper

94 100

96 94.1 70.8 106.2





#7

Chloroethane

Concen: 9.218 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

VL0210ABS01

Tot Ion: 64 Resp: 267416

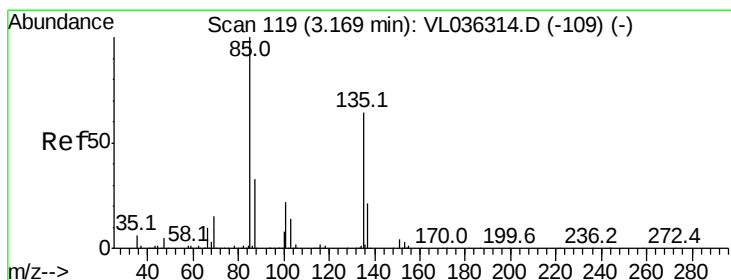
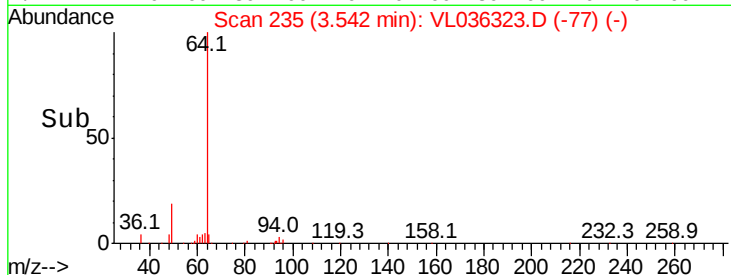
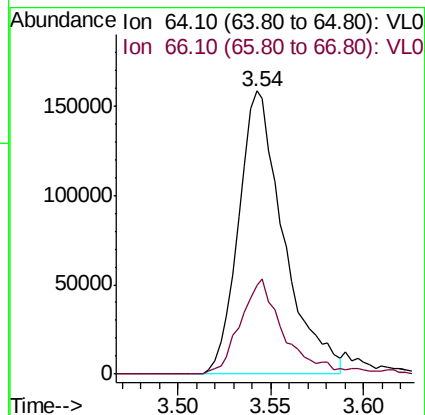
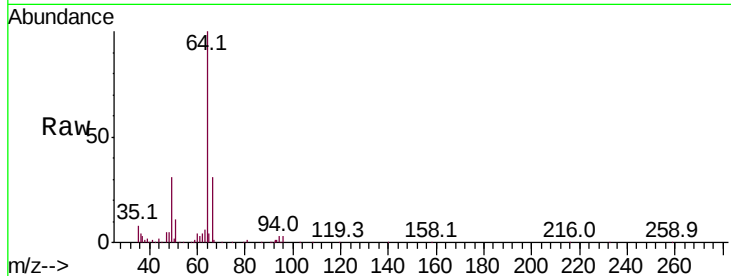
Ion Ratio Lower Upper

64 100

66 31.4 25.6 38.4

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 9.024 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL036323.D

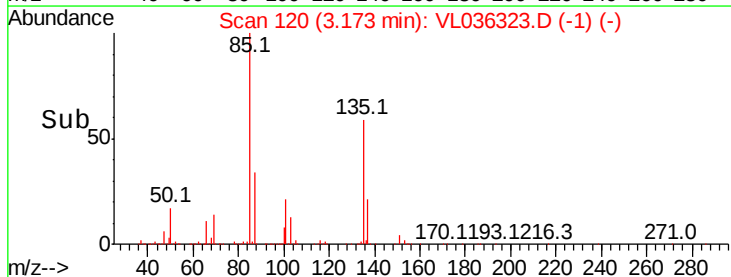
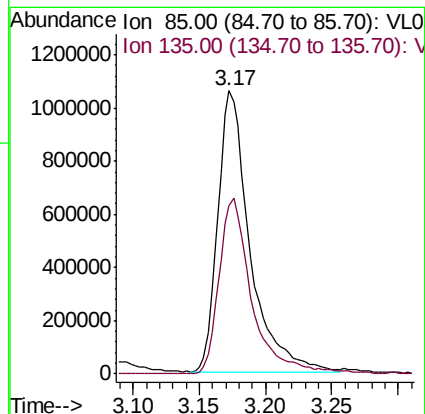
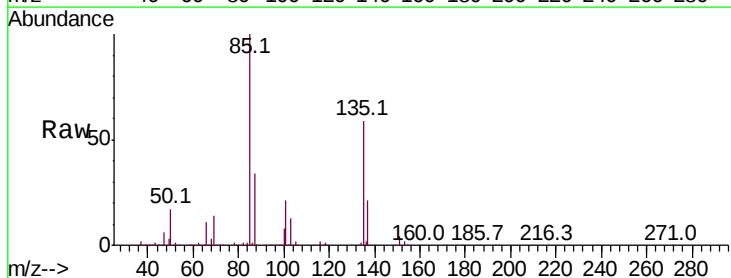
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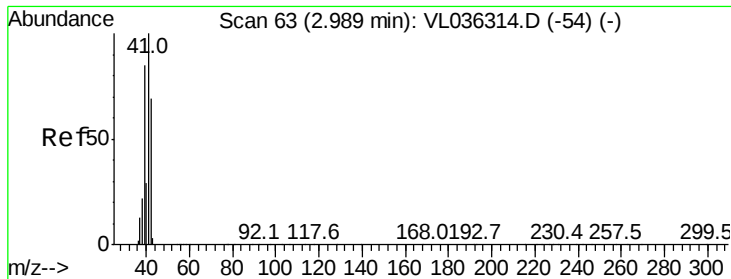
Tgt Ion: 85 Resp: 1790249

Ion Ratio Lower Upper

85 100

135 64.3 51.1 76.7





#9

Propene

Concen: 10.787 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

VL0210ABS01

Tot Ion: 41 Resp: 730399

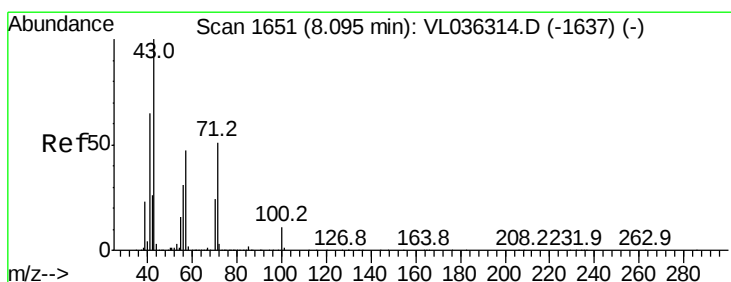
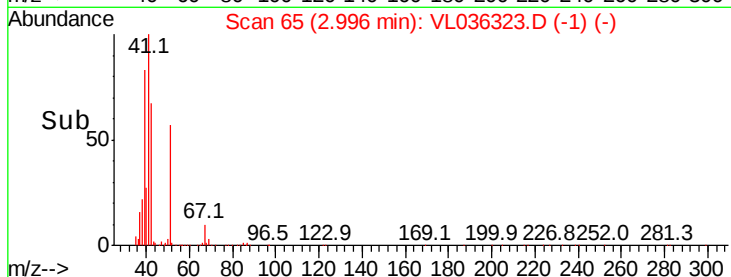
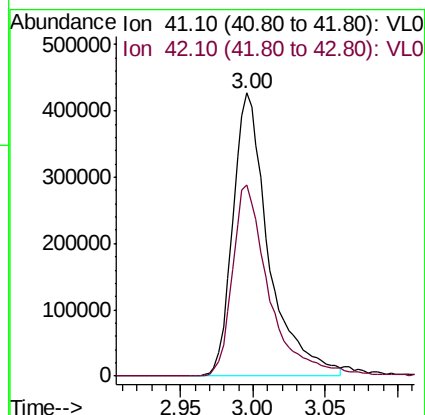
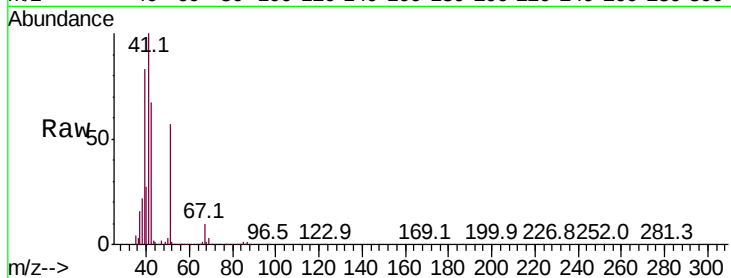
Ion Ratio Lower Upper

41 100

42 70.0 56.2 84.2

Manual Integrations
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#10

Heptane

Concen: 9.356 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VL036323.D

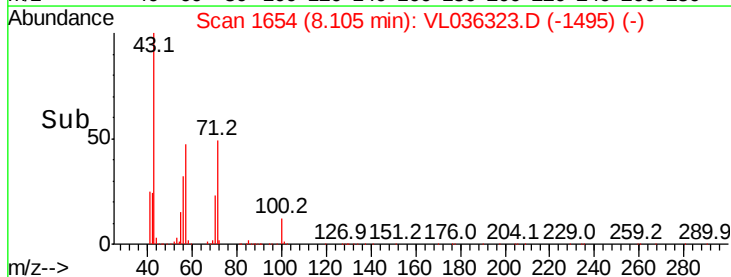
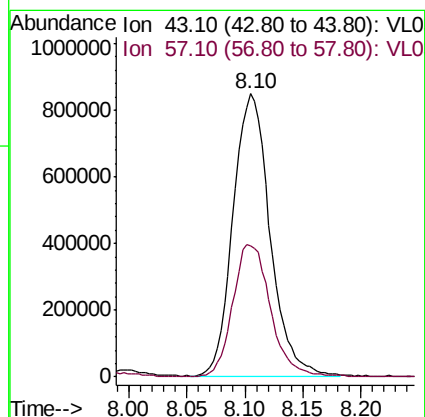
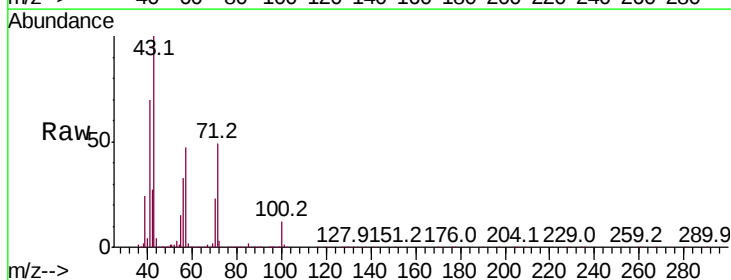
Acq: 10 Feb 2021 18:37

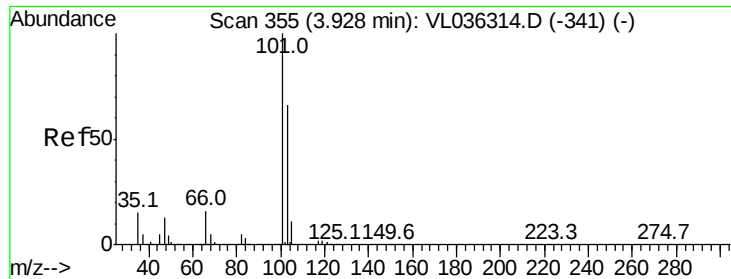
Tgt Ion: 43 Resp: 1867069

Ion Ratio Lower Upper

43 100

57 48.0 39.4 59.2





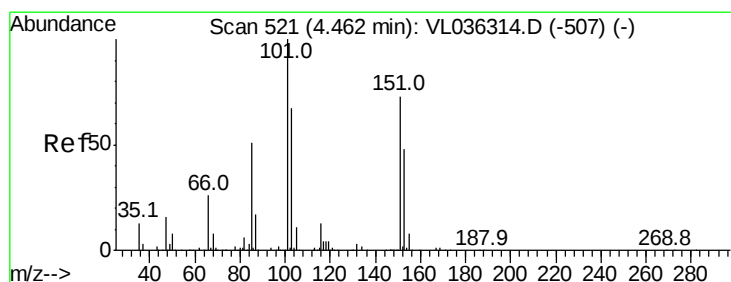
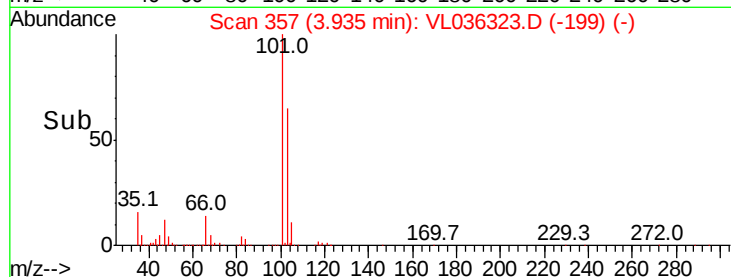
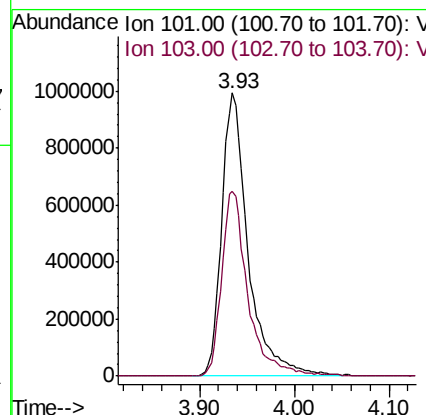
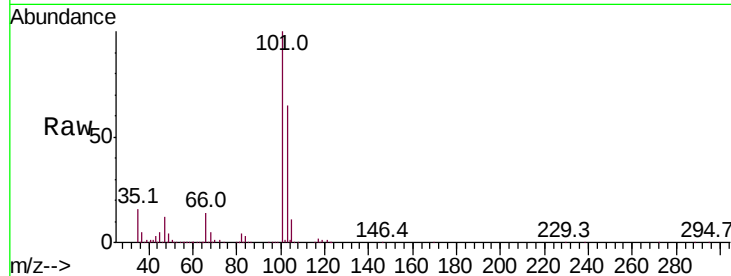
#11
 Trichlorofluoromethane
 Concen: 9.048 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0210ABS01

Tot Ion:101 Resp: 1932712
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.9 79.3

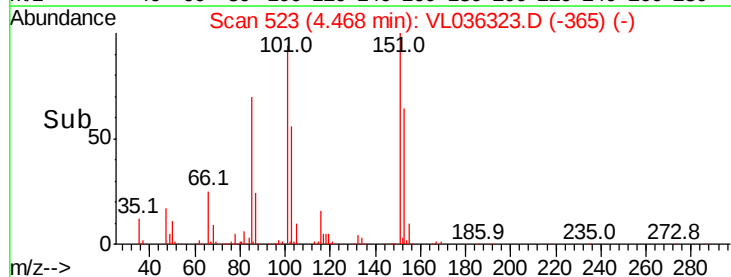
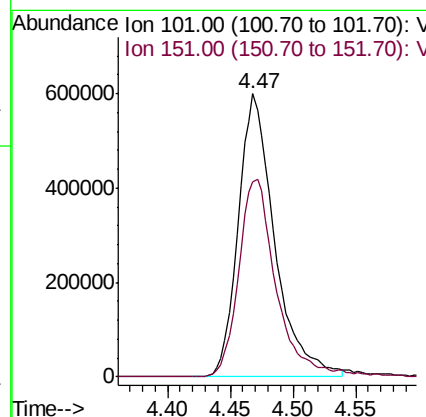
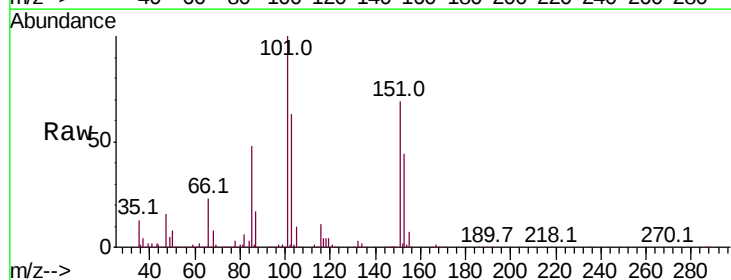
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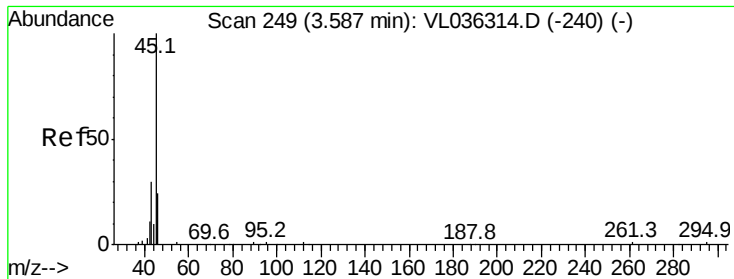
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.140 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Tgt Ion:101 Resp: 1209309
 Ion Ratio Lower Upper
 101 100
 151 72.5 58.2 87.4





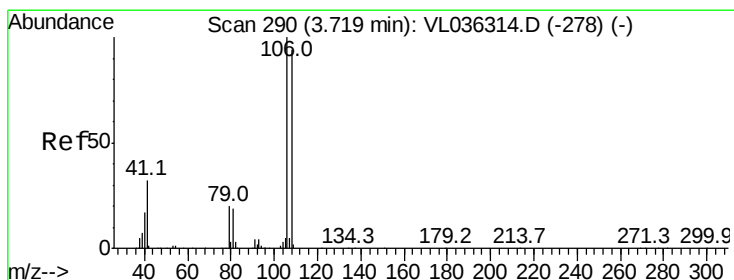
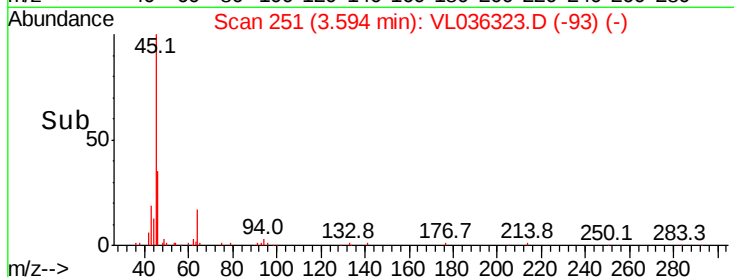
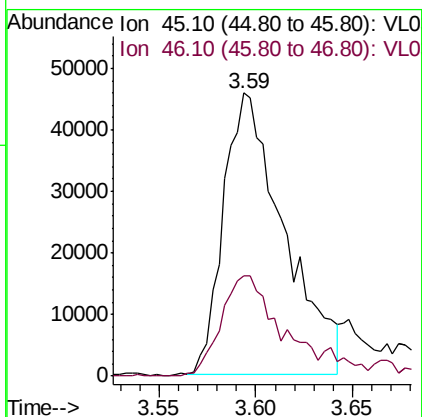
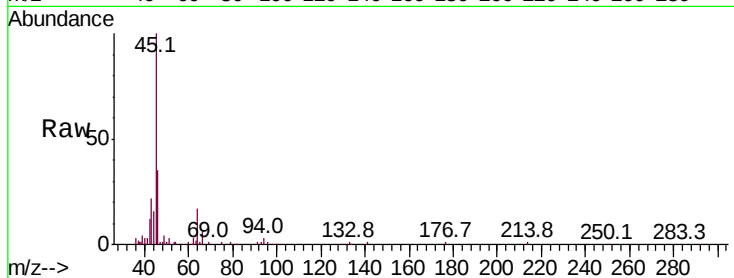
#13
Ethanol
Concen: 7.790 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :
VL0210ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	44.4	17.7	70.7

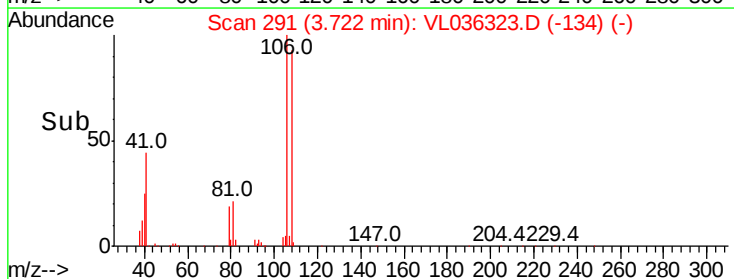
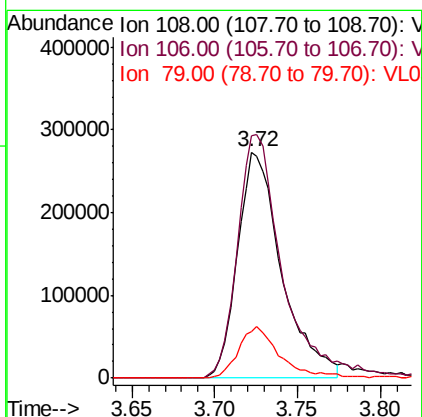
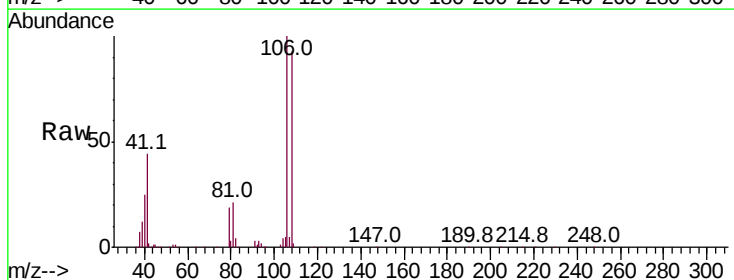
Manual Integrations
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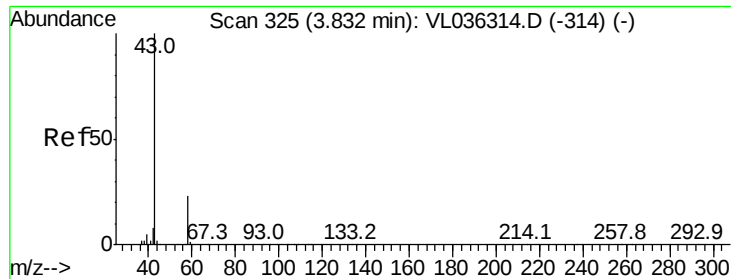
MMDadoda
2/12/2021 1:42:08 PM



#14
Bromoethene
Concen: 9.117 ppbv
RT: 3.72 min Scan# 291
Delta R.T. 0.00 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion	Ratio	Lower	Upper
108	100		
106	112.2	89.8	134.8
79	22.1	17.1	25.7





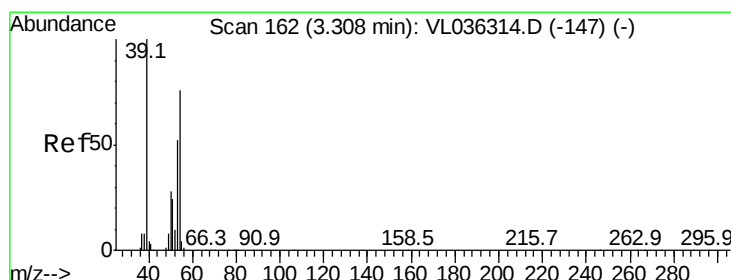
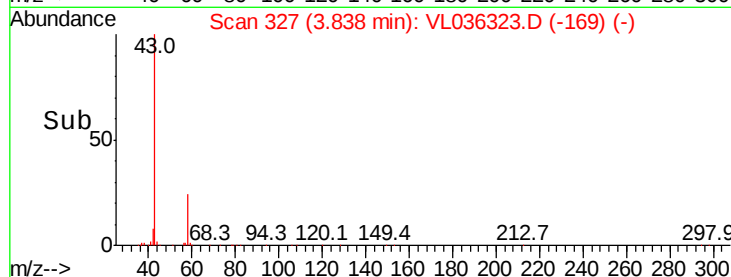
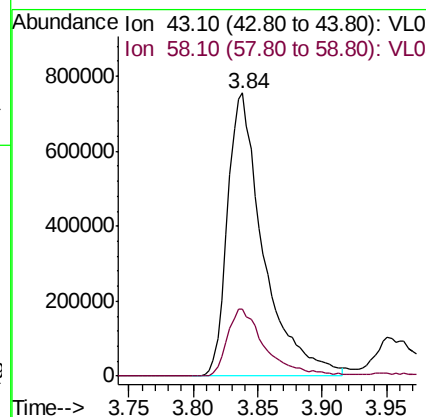
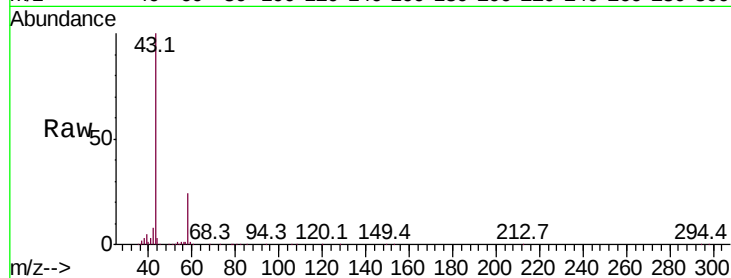
#15
Acetone
Concen: 8.183 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :
VL0210ABS01

Tot Ion: 43 Resp: 1462048
Ion Ratio Lower Upper
43 100
58 25.2 20.3 30.5

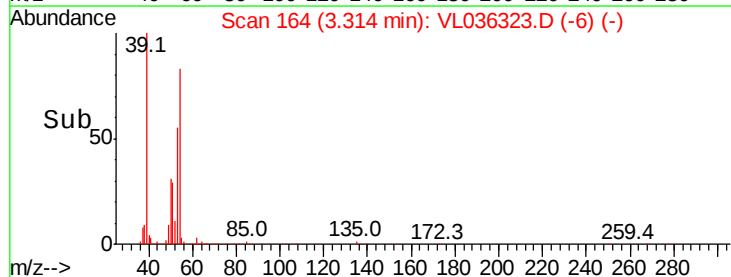
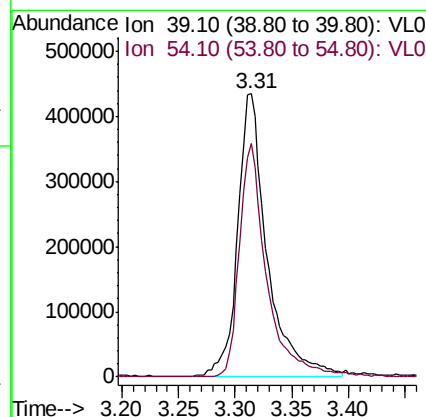
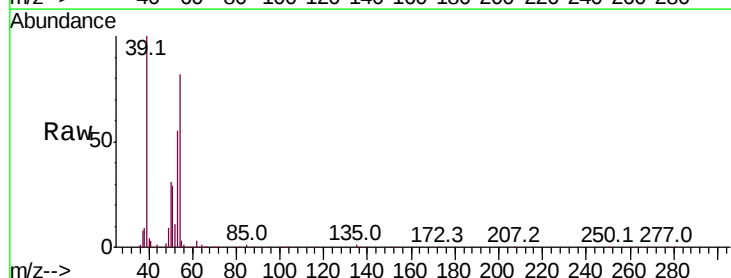
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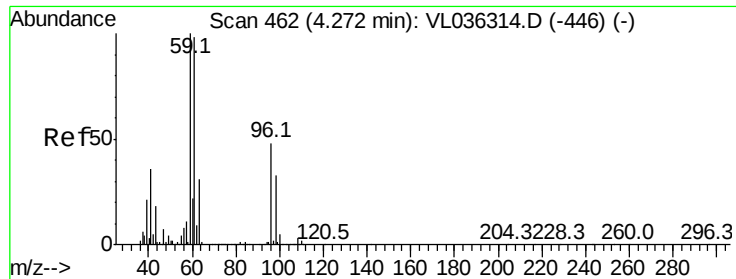
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#16
1,3-Butadiene
Concen: 9.167 ppbv
RT: 3.31 min Scan# 164
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion: 39 Resp: 783135
Ion Ratio Lower Upper
39 100
54 77.5 64.4 96.6





#17

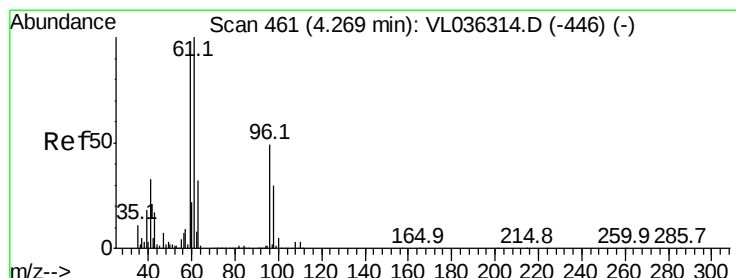
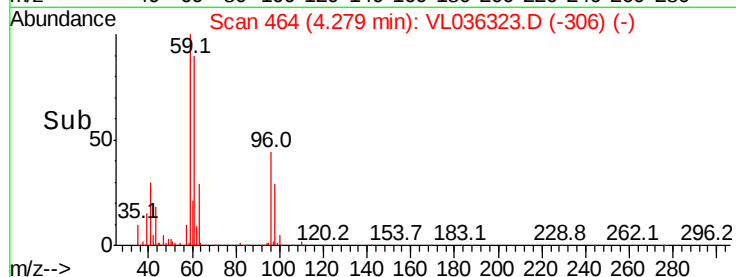
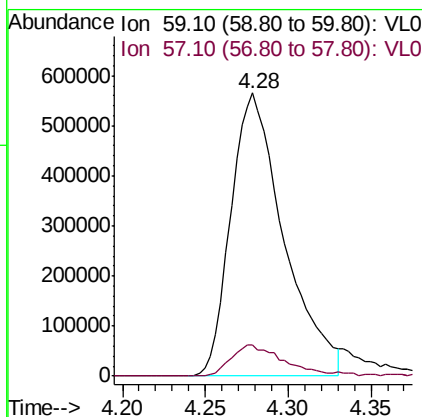
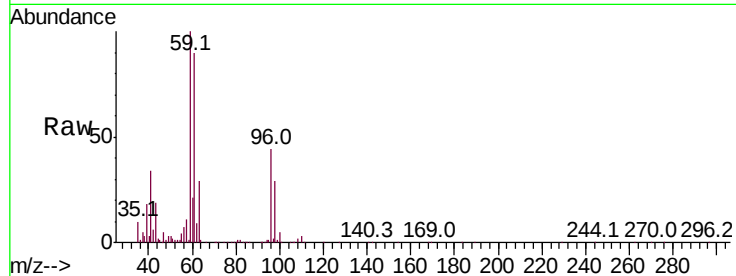
tert-Butyl alcohol
Concen: 9.049 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :
VL0210ABS01

Tot Ion: 59 Resp: 1255047
Ion Ratio Lower Upper
59 100
57 11.8 9.0 13.4

Manual Integrations
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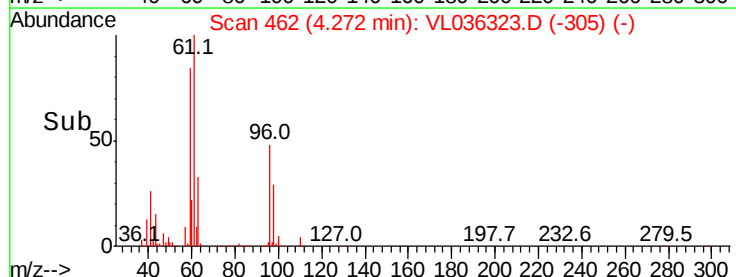
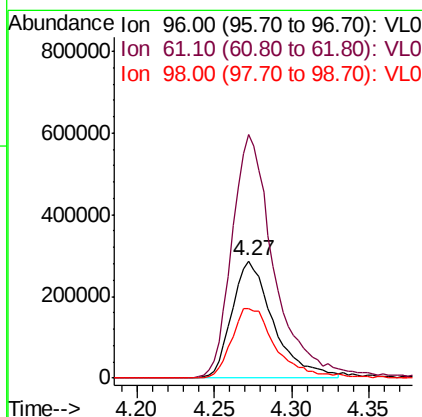
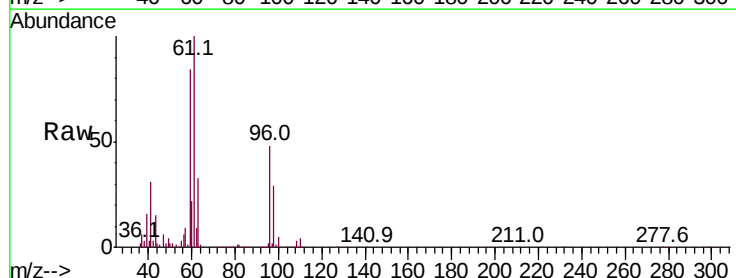
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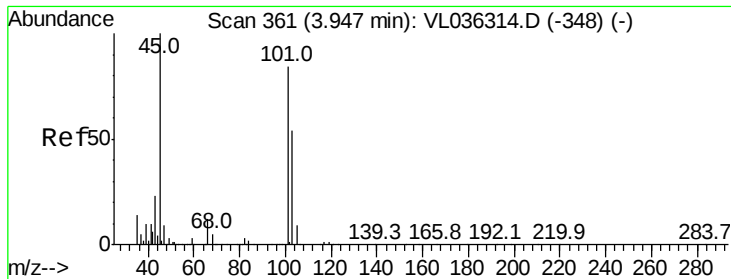


#18

1,1-Dichloroethene
Concen: 8.881 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion: 96 Resp: 534029
Ion Ratio Lower Upper
96 100
61 208.2 162.5 243.7
98 59.5 48.5 72.7





#19

Isopropyl Alcohol

Concen: 8.677 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

VL0210ABS01

Tot Ion: 45 Resp: 858890

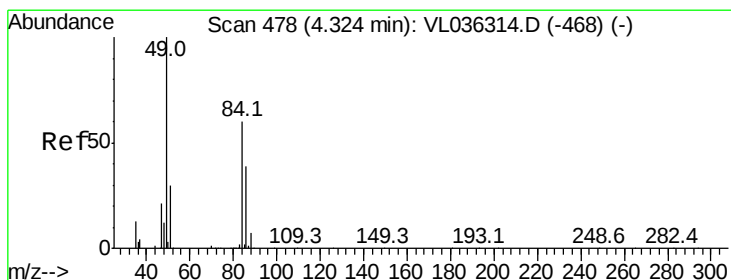
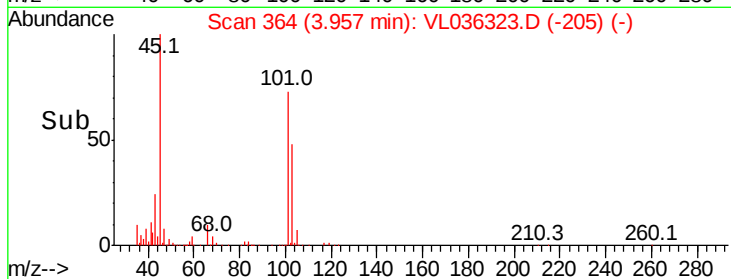
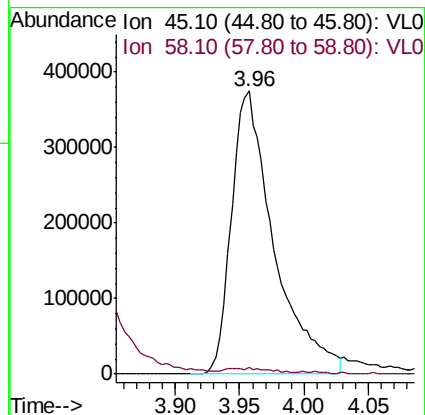
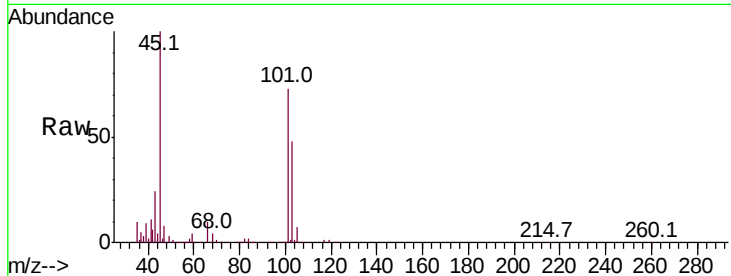
Ion Ratio Lower Upper

45 100

58 3.0 1.9 2.9#

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#20

Methylene Chloride

Concen: 8.027 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Tgt Ion: 84 Resp: 462670

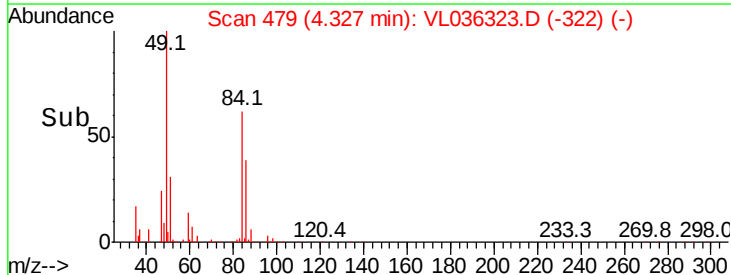
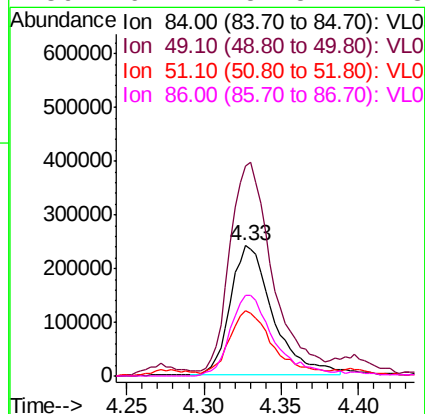
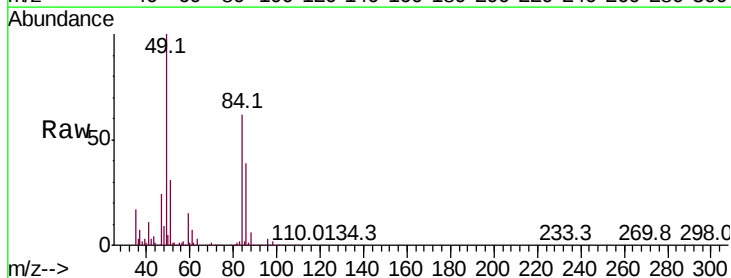
Ion Ratio Lower Upper

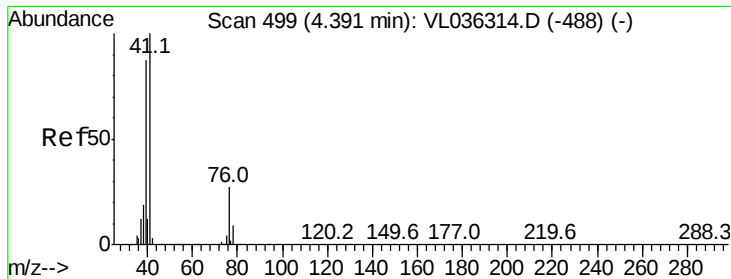
84 100

49 157.5 133.8 200.8

51 47.8 41.4 62.0

86 62.2 51.5 77.3





#21

Allvl Chloride

Concen: 9.117 ppbv

RT: 4.40 min Scan# 501

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

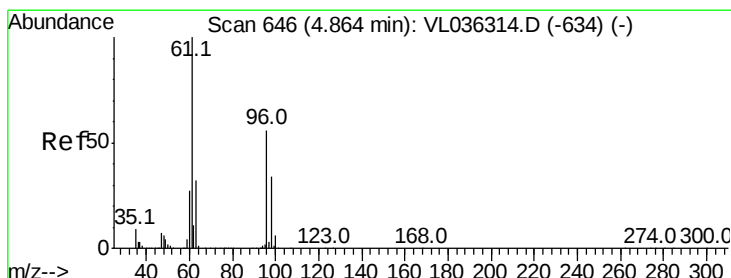
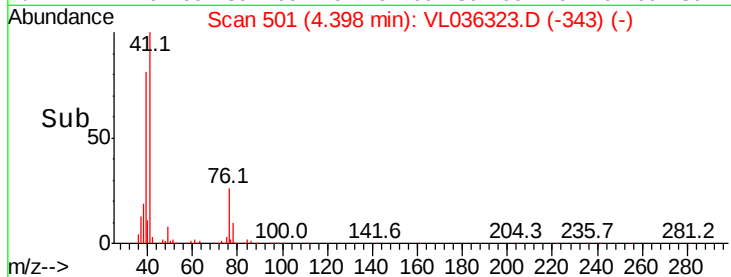
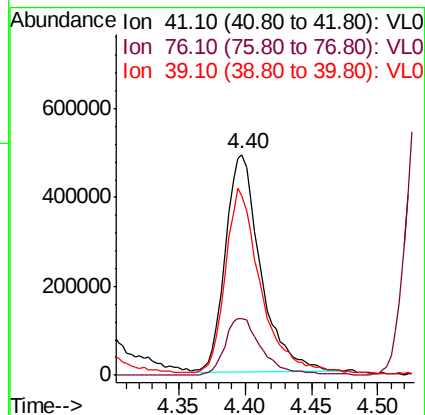
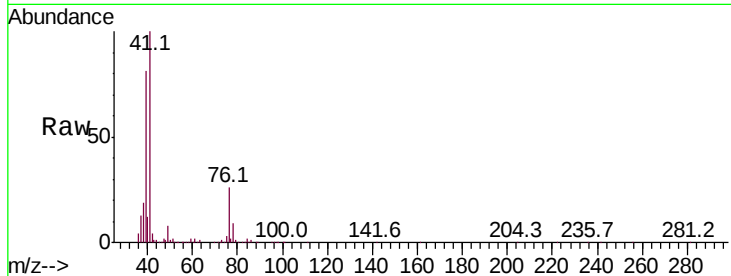
ClientSampleId :

VL0210ABS01

Tot Ion:	41	Resp:	906936
Ion Ratio		Lower	Upper
41	100		
76	27.8	22.0	33.0
39	86.8	70.2	105.2

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#22

trans-1,2-Dichloroethene

Concen: 8.980 ppbv

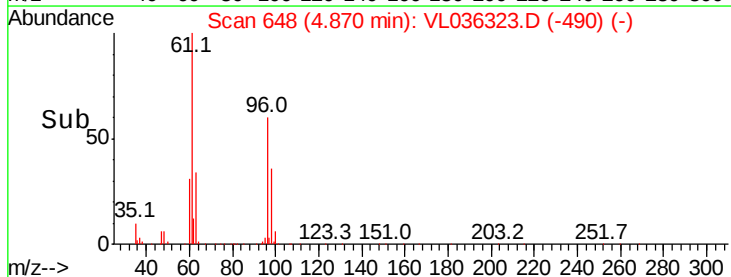
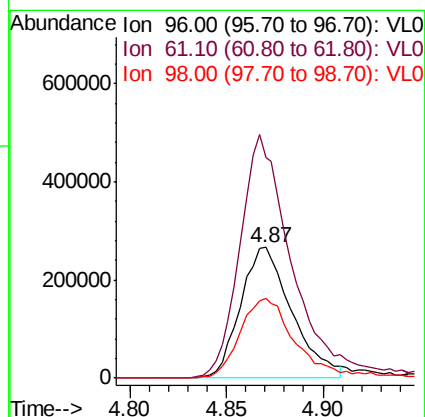
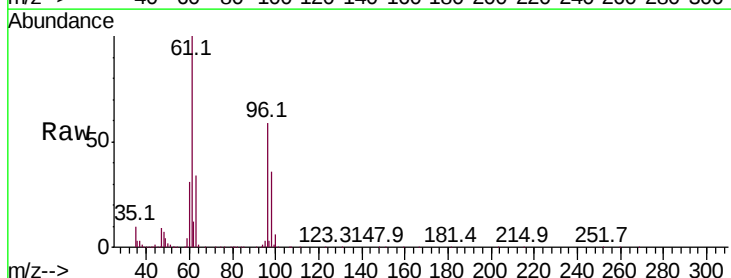
RT: 4.87 min Scan# 648

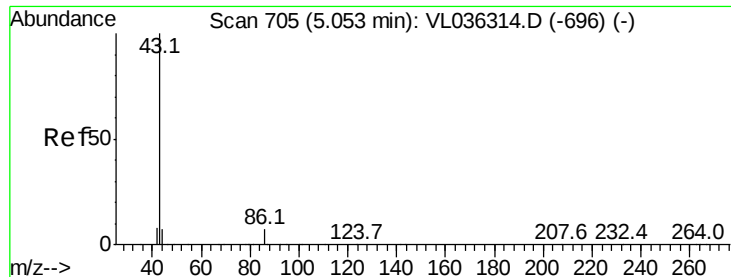
Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Tgt Ion:	96	Resp:	490464
Ion Ratio		Lower	Upper
96	100		
61	168.4	143.7	215.5
98	60.6	48.5	72.7





#23

Vinyl Acetate

Concen: 9.225 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

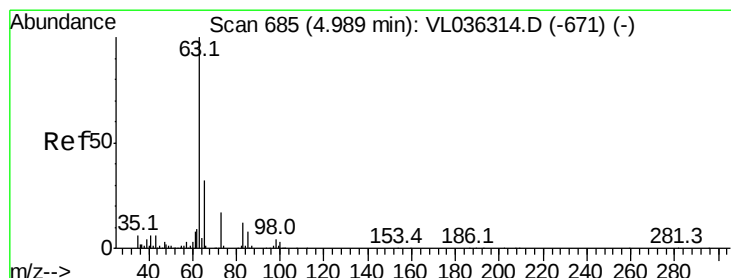
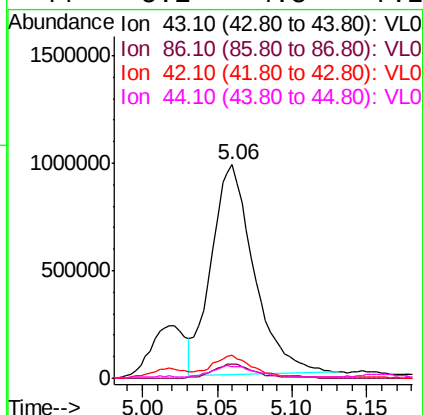
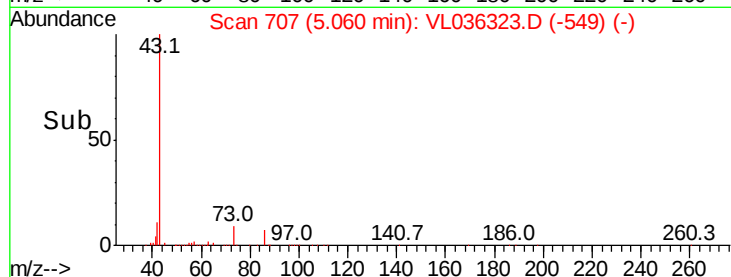
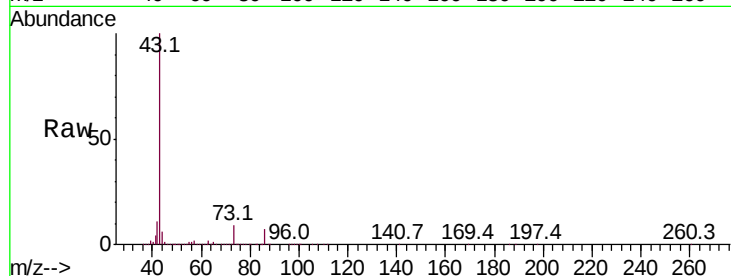
Instrument :
MSVOA_L

ClientSampleId :
VL0210ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.8	4.8	7.2
42	10.6	7.4	11.0
44	5.1	4.8	7.2

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#24

1,1-Dichloroethane

Concen: 9.219 ppbv

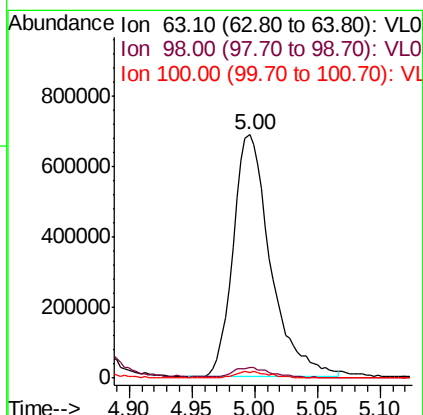
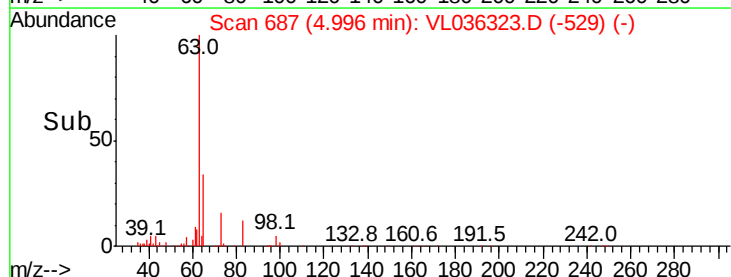
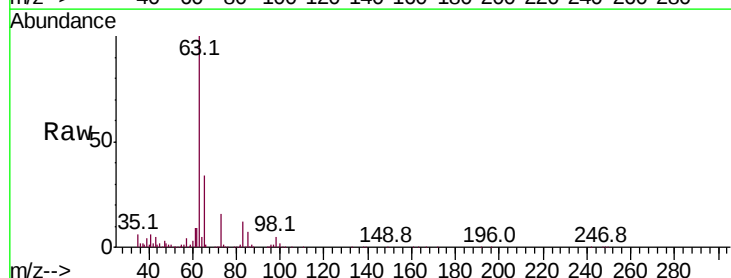
RT: 5.00 min Scan# 687

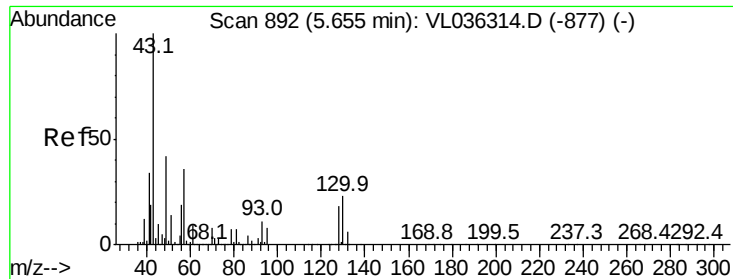
Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.0	6.0
100	2.4	1.5	4.4





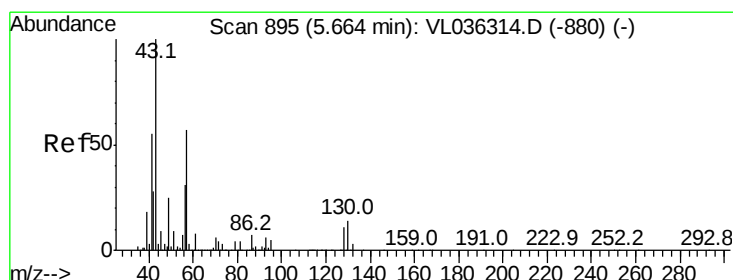
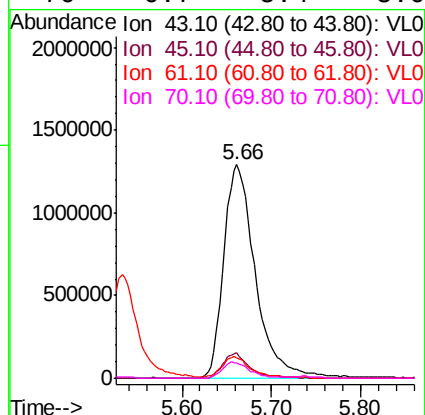
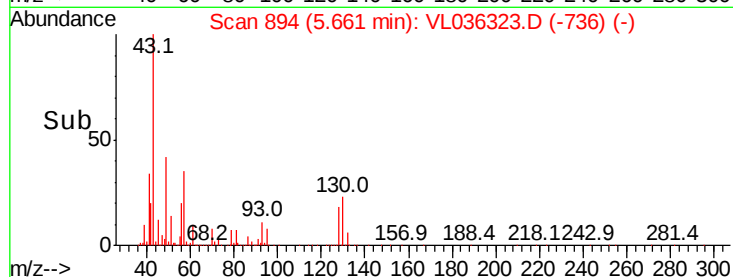
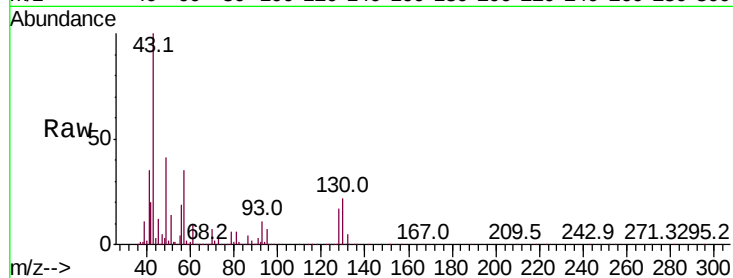
#25
Ethyl Acetate
Concen: 9.165 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :
VL0210ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.3	12.5
61	9.8	7.3	10.9
70	6.7	5.4	8.0

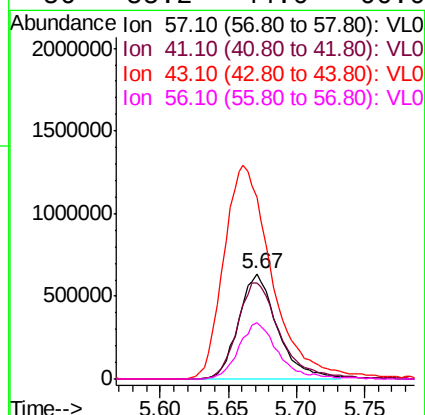
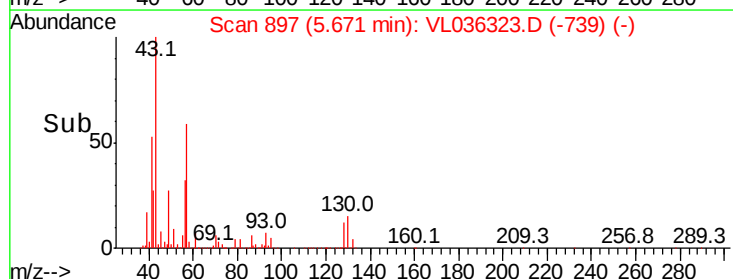
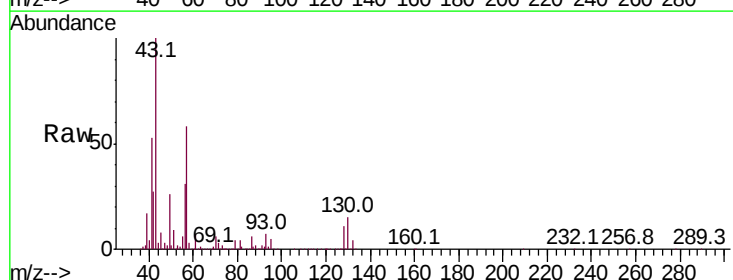
Manual Integrations
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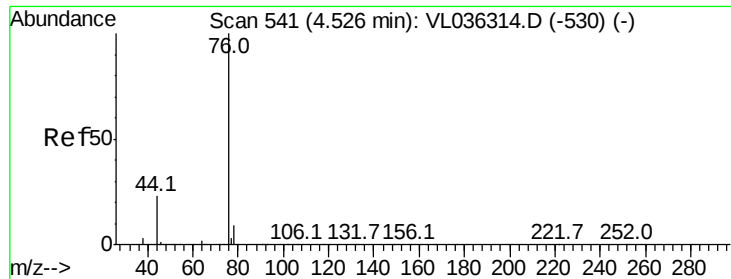
MMDadoda
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#26
Hexane
Concen: 8.835 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion	Ratio	Lower	Upper
57	100		
41	102.3	81.7	122.5
43	255.6	199.1	298.7
56	55.2	44.0	66.0





#27

Carbon Disulfide

Concen: 10.327 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

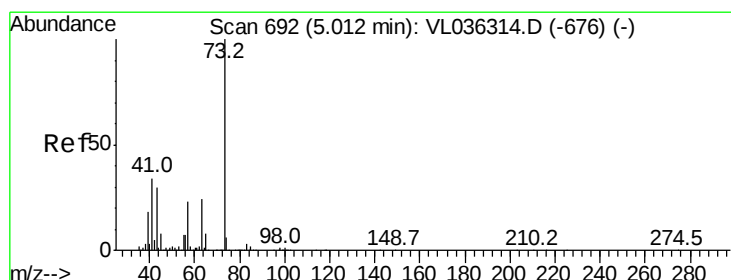
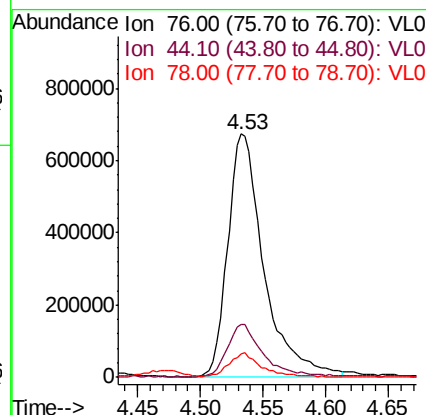
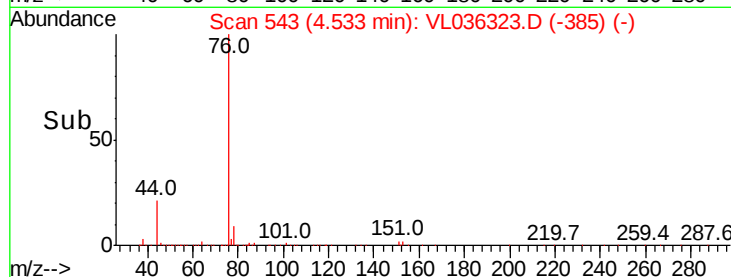
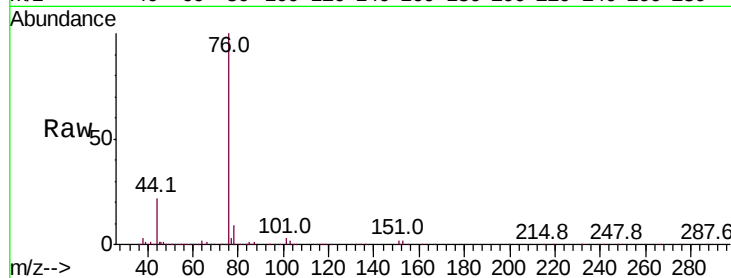
Instrument :
MSVOA_L
ClientSampleId :
VL0210ABS01

Tot Ion: 76 Resp: 1345071

Ion	Ratio	Lower	Upper
76	100		
44	21.7	18.4	27.6
78	9.0	8.0	12.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 9.763 ppbv

RT: 5.01 min Scan# 693

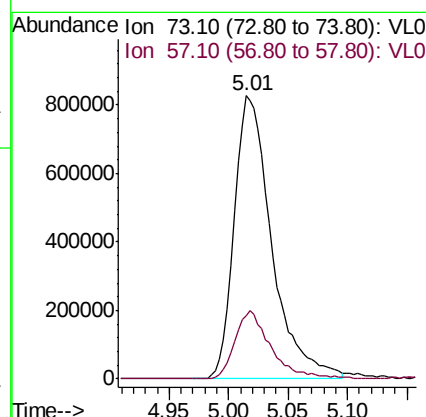
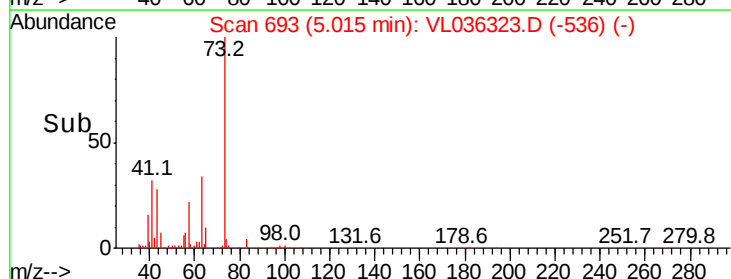
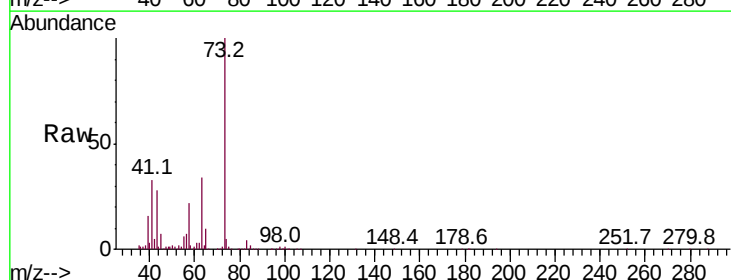
Delta R.T. 0.00 min

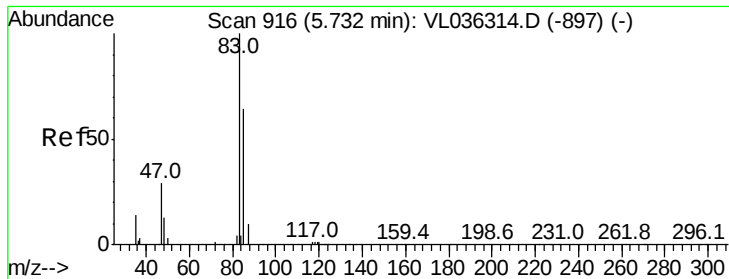
Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Tgt Ion: 73 Resp: 1807391

Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.2	28.8





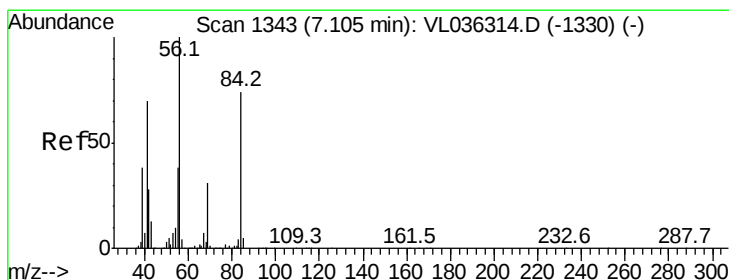
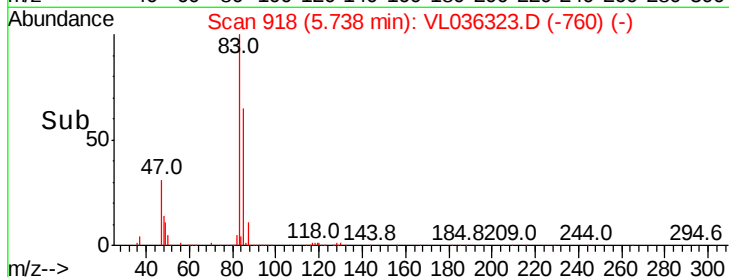
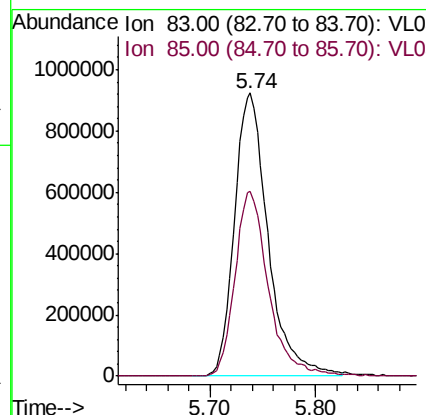
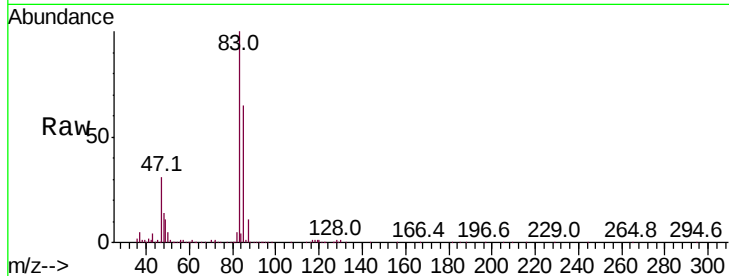
#29
Chloroform
Concen: 8.938 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :
VL0210ABS01

Tot Ion: 83 Resp: 2040602
Ion Ratio Lower Upper
83 100
85 65.0 51.4 77.2

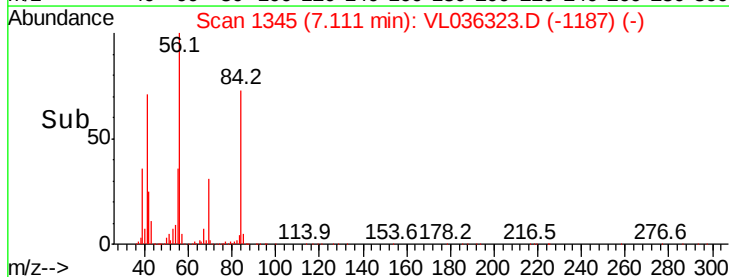
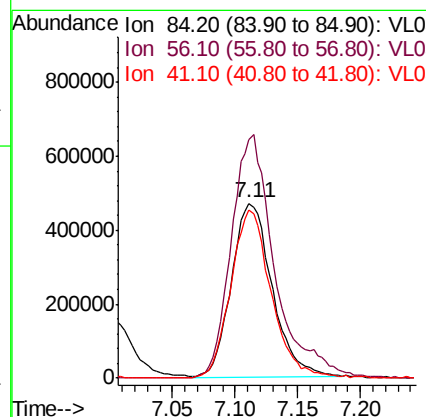
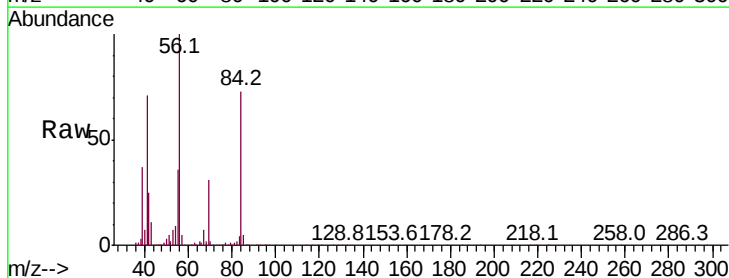
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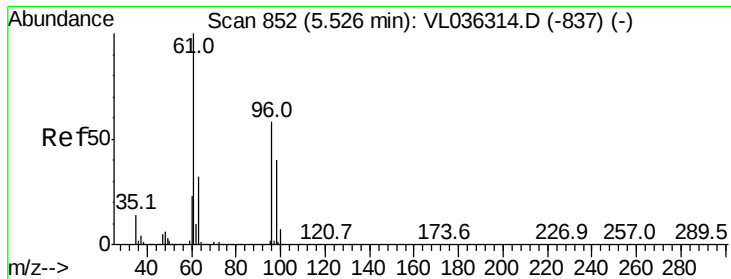
MMDadoda
2/12/2021 1:42:08 PM



#30
Cyclohexane
Concen: 9.008 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion: 84 Resp: 1061622
Ion Ratio Lower Upper
84 100
56 150.4 120.2 180.4
41 96.7 79.7 119.5





#31

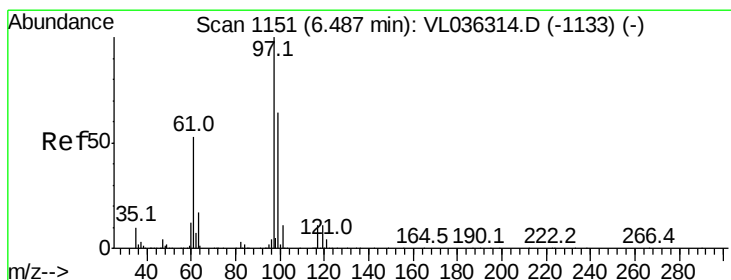
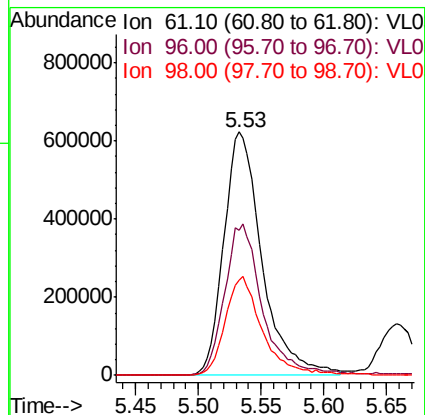
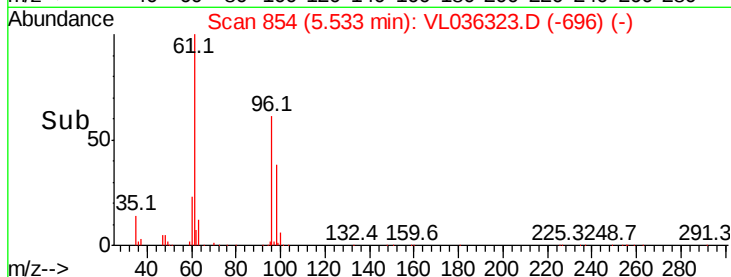
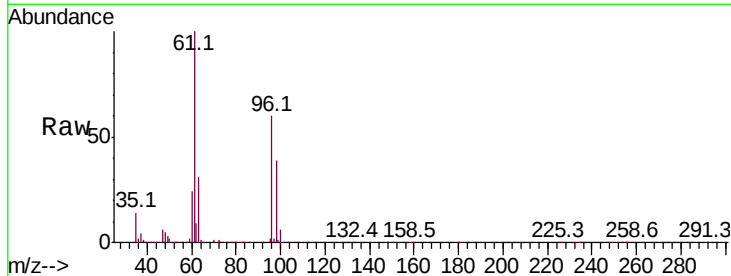
cis-1,2-Dichloroethene
Concen: 9.285 ppbv
RT: 5.53 min Scan# 854
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :
VL0210ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.8	46.0	69.0
98	39.1	31.9	47.9

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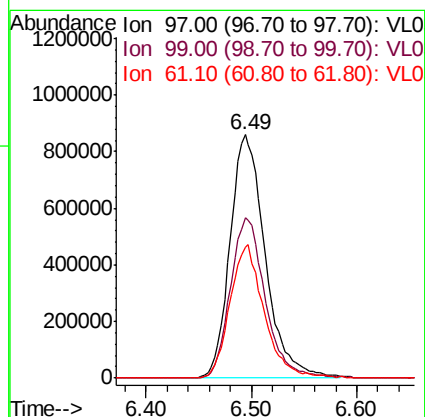
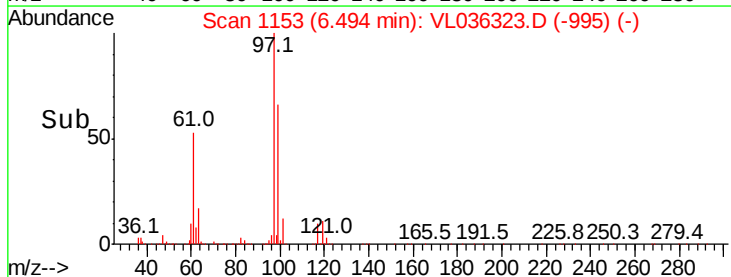
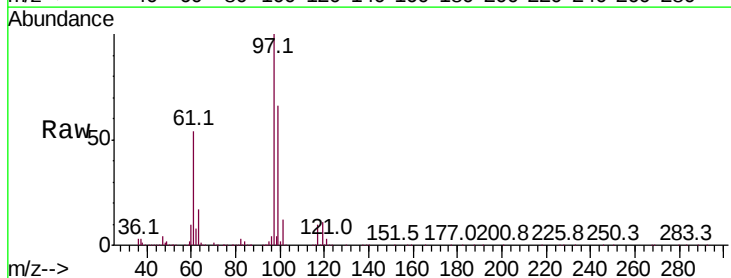
MMDadoda
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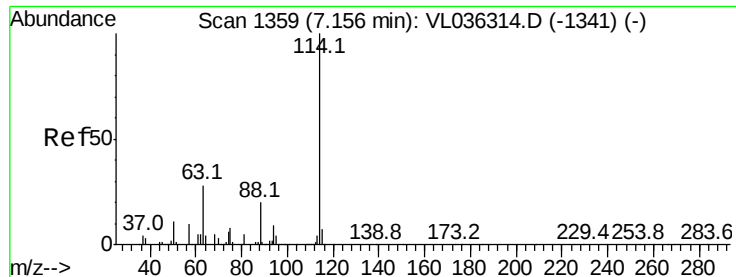


#32

1,1,1-Trichloroethane
Concen: 9.323 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.2	78.4
61	53.4	43.3	64.9





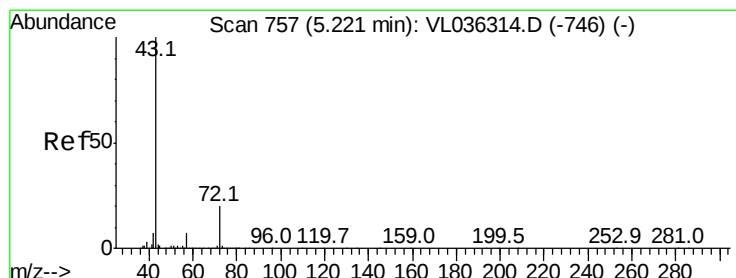
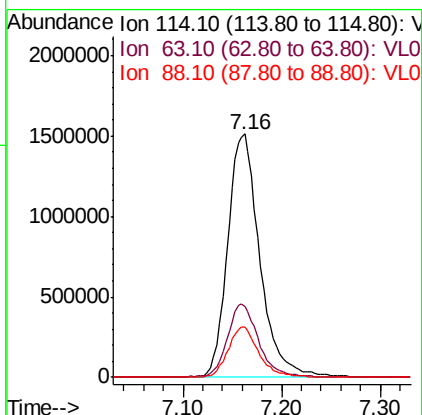
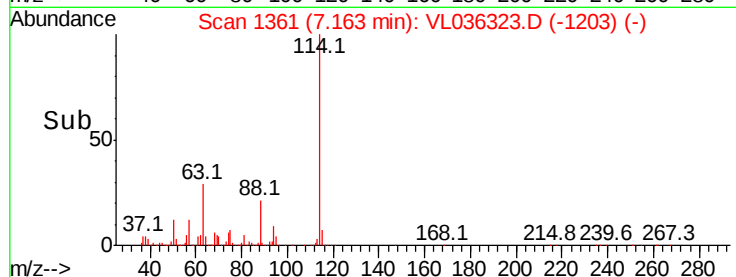
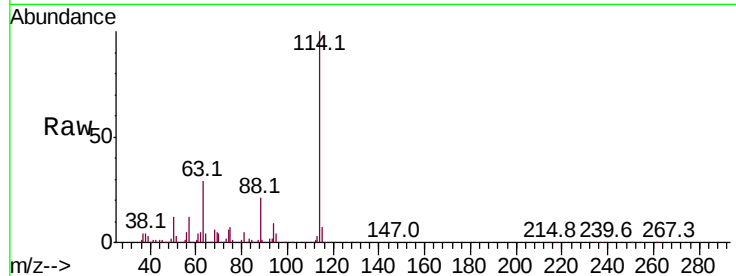
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0210ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.8	24.1	36.1
88	20.1	16.0	24.0

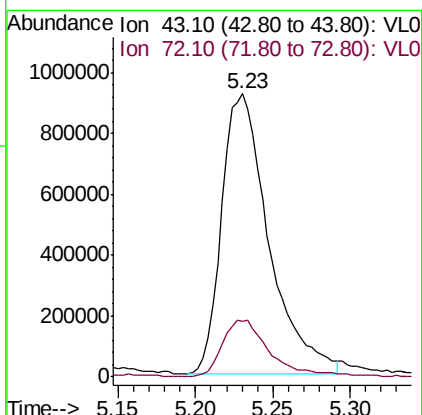
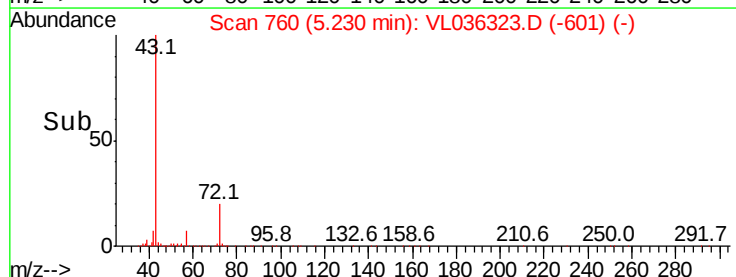
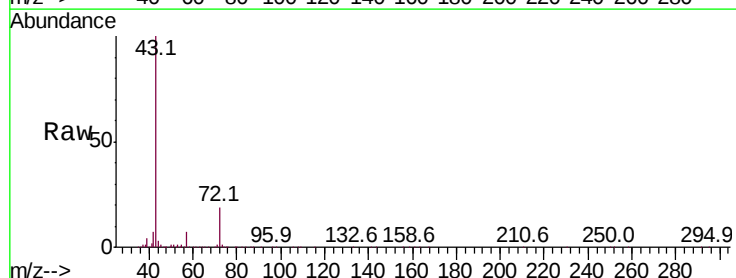
Manual Integrations
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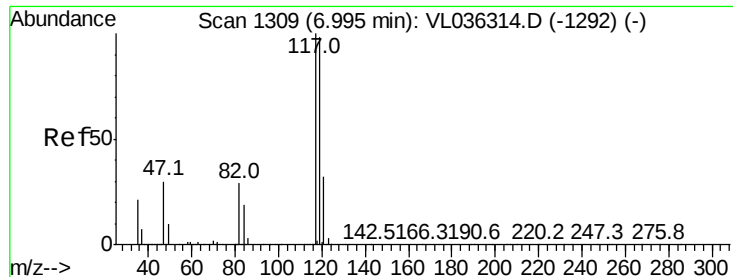
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 2/12/2021 1:42:08 PM



#34
 2-Butanone
 Concen: 8.563 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.6	16.7	25.1





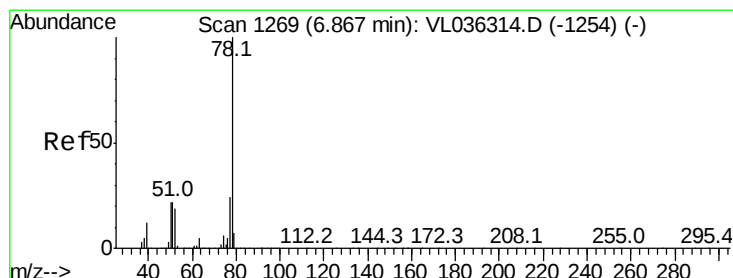
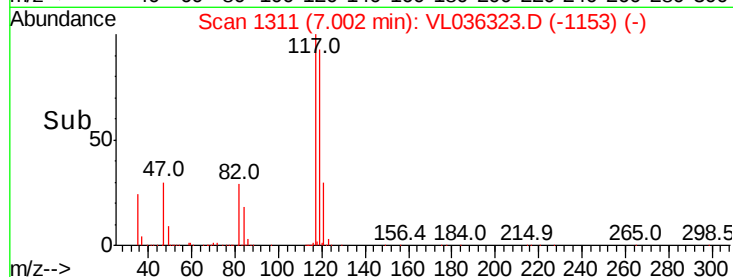
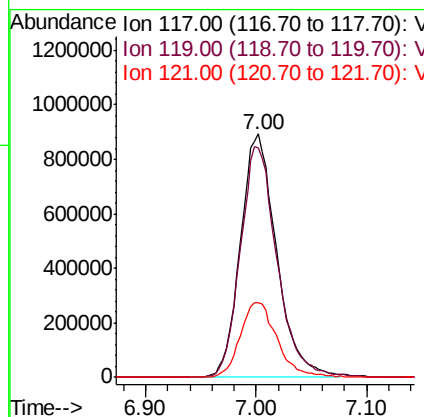
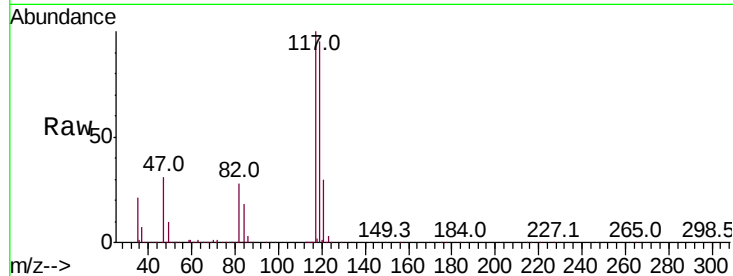
#35
Carbon Tetrachloride
Concen: 8.841 ppbv
RT: 7.00 min Scan# 1311
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :
VL0210ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.1	117.1
121	30.5	25.8	38.8

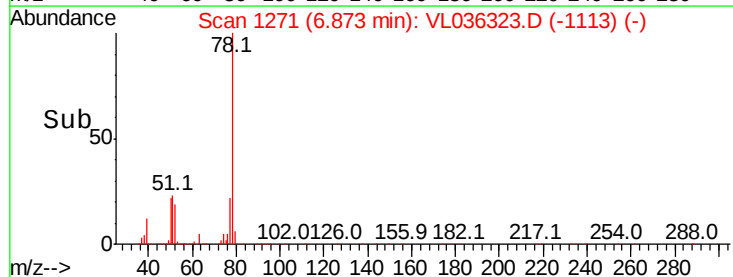
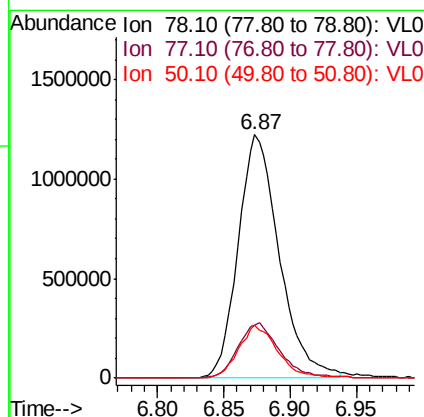
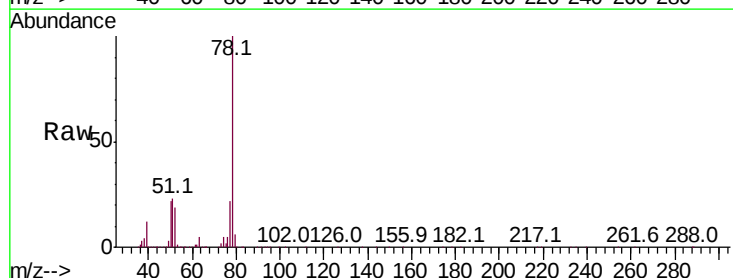
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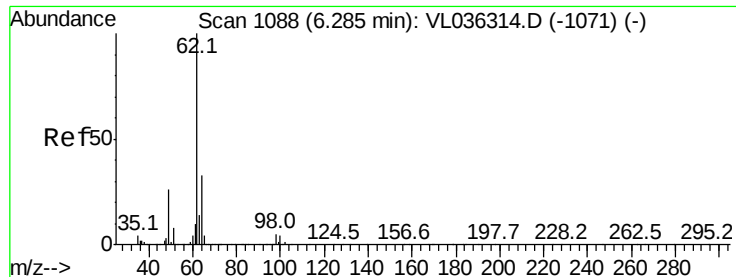
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#36
Benzene
Concen: 9.059 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.6	18.9	28.3
50	21.7	17.3	25.9





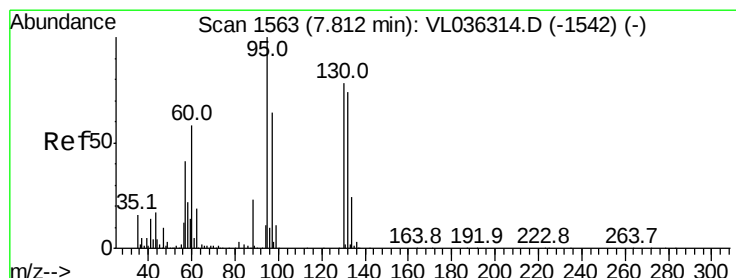
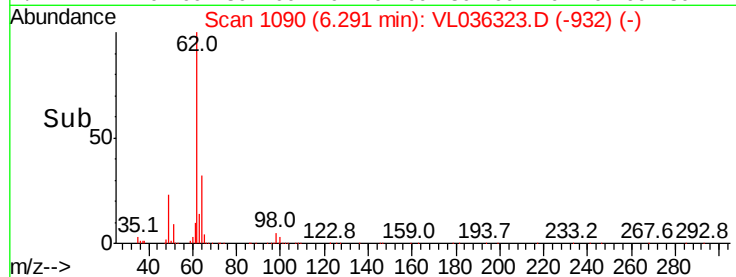
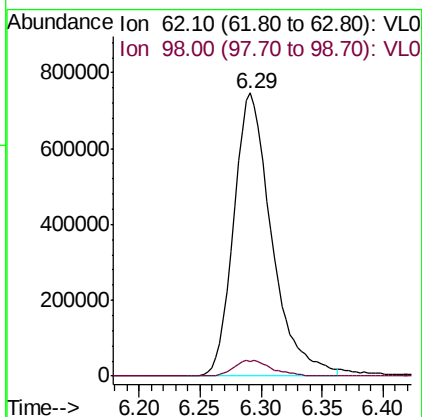
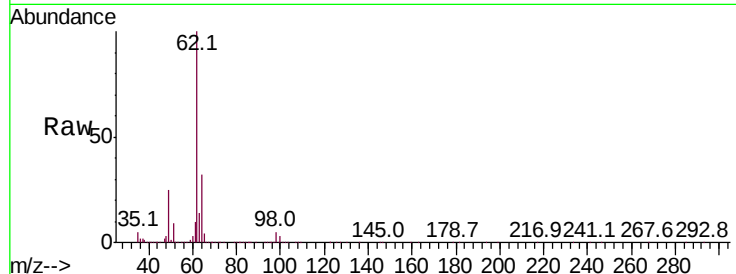
#37
1,2-Dichloroethane
Concen: 8.931 ppbv
RT: 6.29 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :
VL0210ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.5	6.7

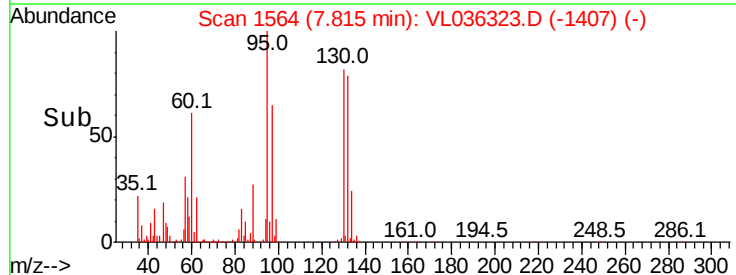
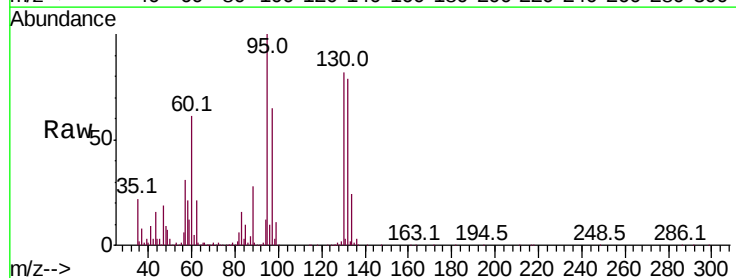
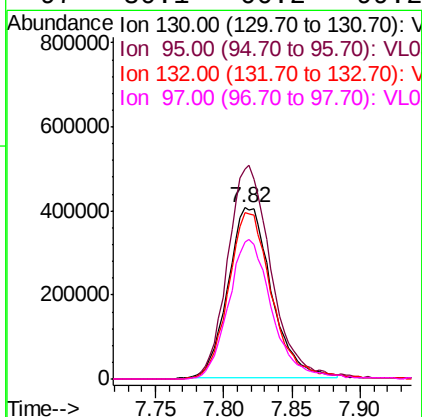
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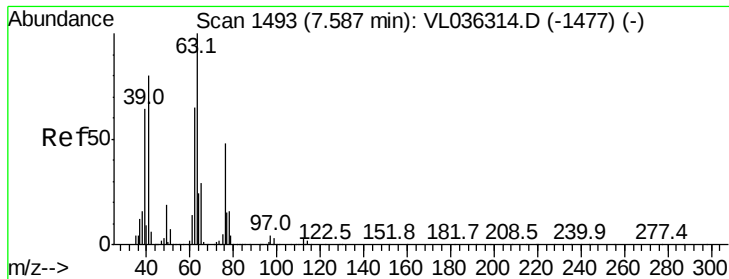
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#38
Trichloroethene
Concen: 8.613 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	123.2	102.8	154.2
132	97.1	75.7	113.5
97	80.1	66.2	99.2





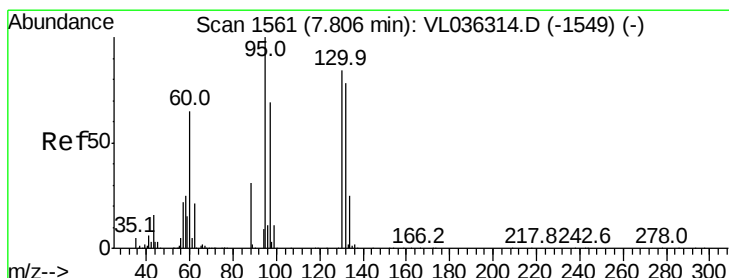
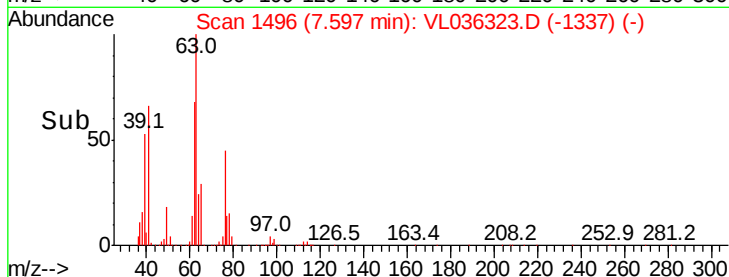
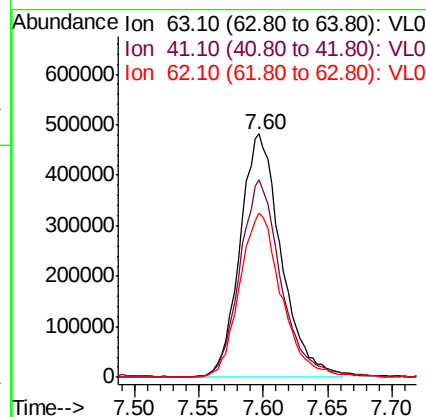
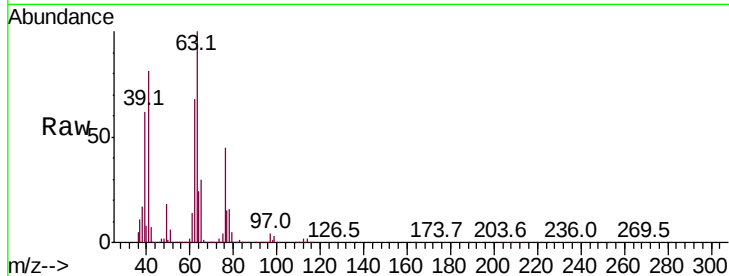
#39
 1,2-Dichloropropane
 Concen: 9.019 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0210ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	81.0	63.8	95.6
62	67.7	52.3	78.5

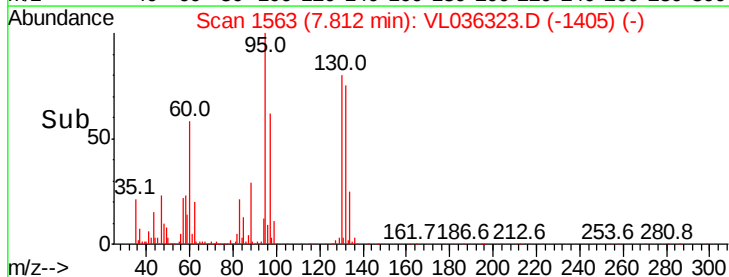
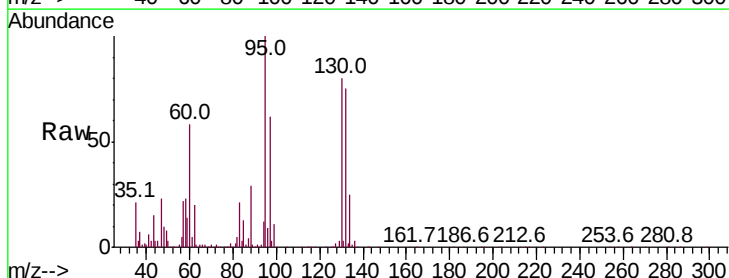
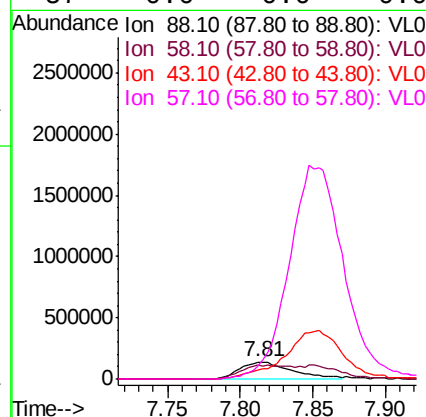
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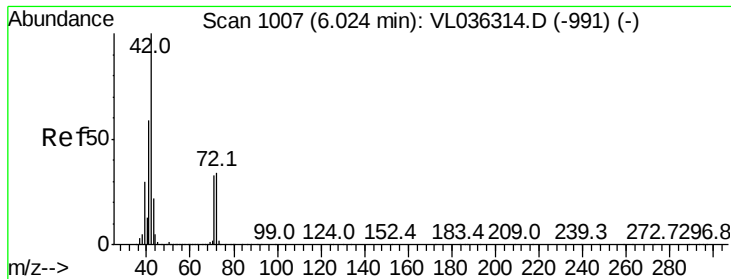
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#40
 1,4-Dioxane
 Concen: 8.353 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Tgt Ion	Ratio	Lower	Upper
88	100		
58	145.6	45.0	67.4#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





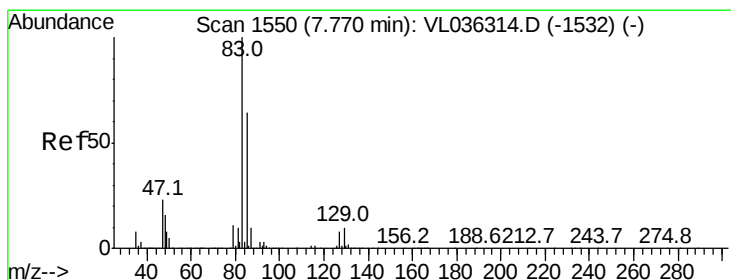
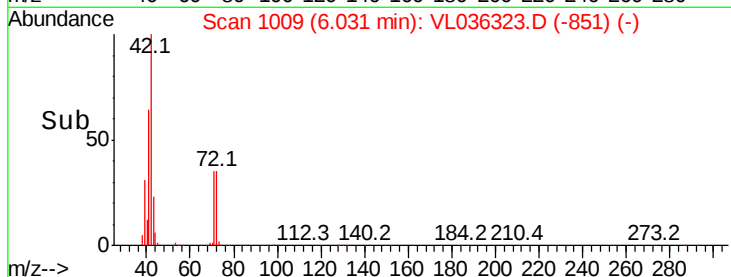
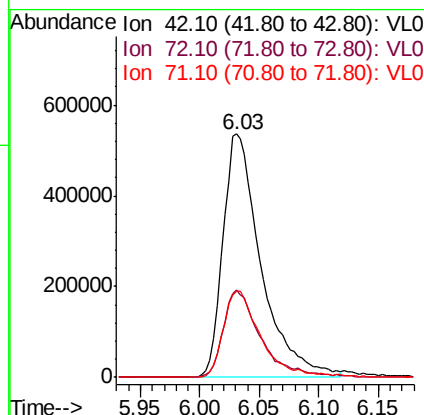
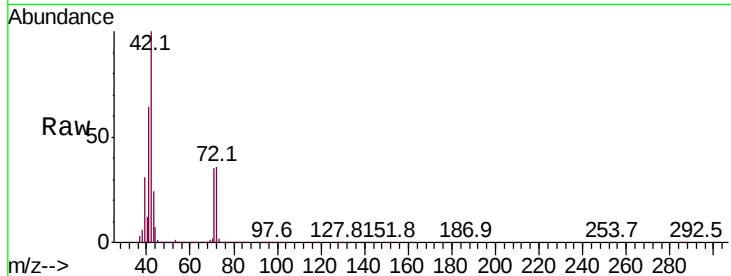
#41
Tetrahydrofuran
Concen: 9.327 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :
VL0210ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.6	29.3	43.9
71	35.6	27.8	41.8

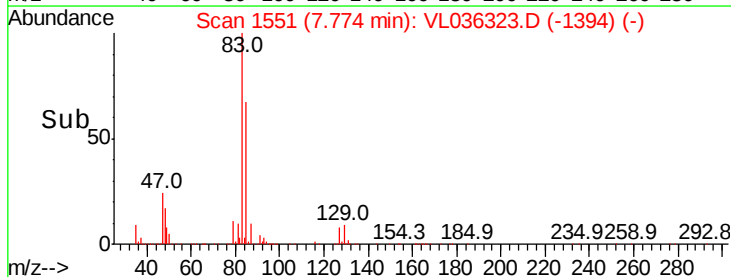
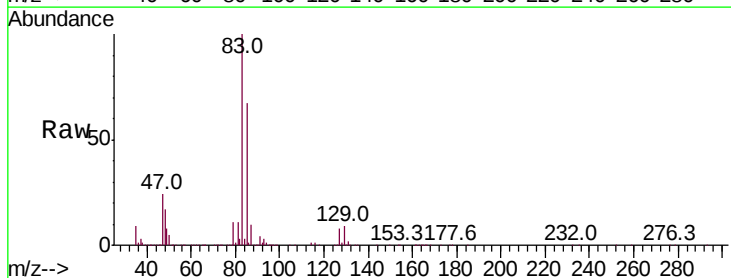
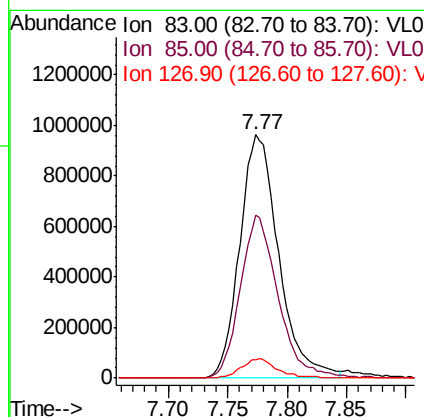
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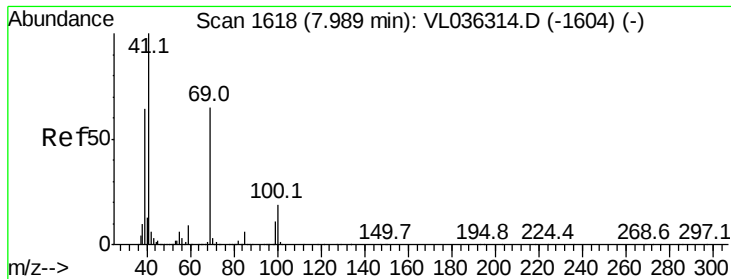
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#42
Bromodichloromethane
Concen: 9.063 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.1	76.7
127	7.7	6.3	9.5





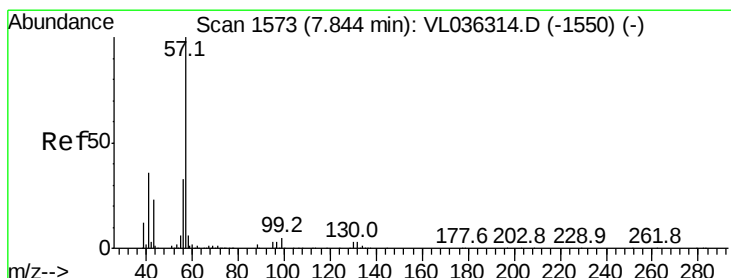
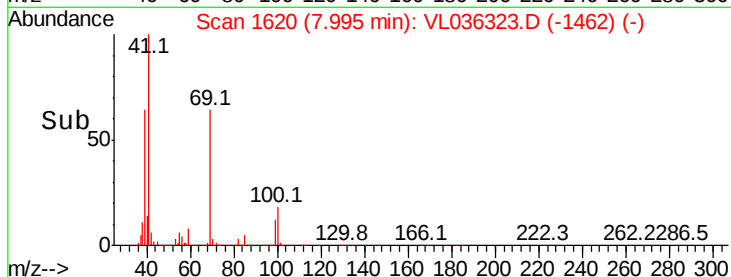
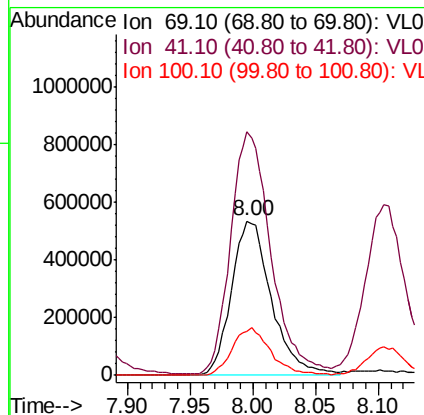
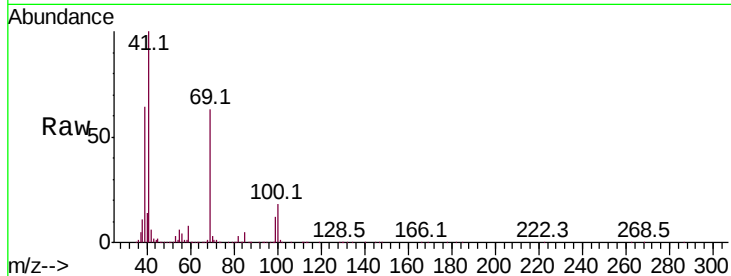
#43
Methvl Methacrilate
Concen: 9.640 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :
VL0210ABS01

Tot Ion: 69 Resp: 1183971
Ion Ratio Lower Upper
69 100
41 159.3 126.5 189.7
100 29.9 23.1 34.7

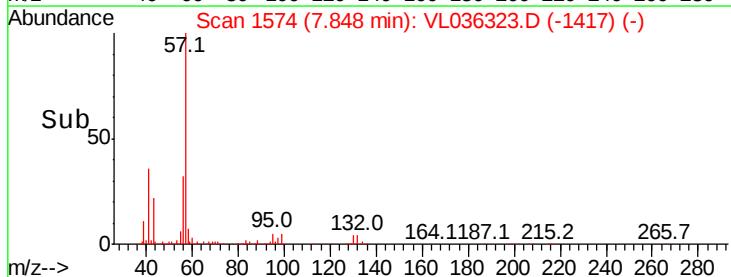
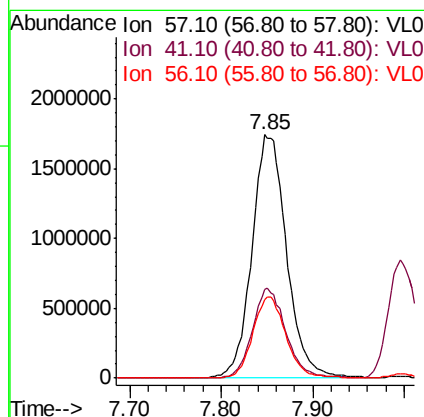
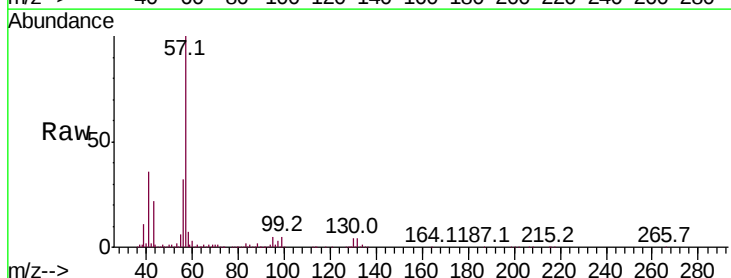
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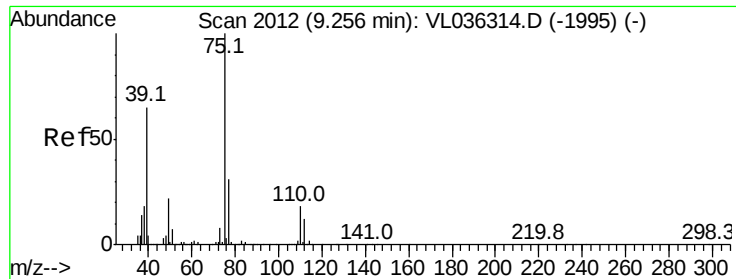
MMDadoda
2/12/2021 1:42:08 PM



#44
2,2,4-Trimethylpentane
Concen: 8.651 ppbv m
RT: 7.85 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion: 57 Resp: 4580833
Ion Ratio Lower Upper
57 100
41 35.5 28.8 43.2
56 32.0 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 10.388 ppbv

RT: 9.26 min Scan# 2014

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

VL0210ABS01

Tot Ion: 75 Resp: 1230785

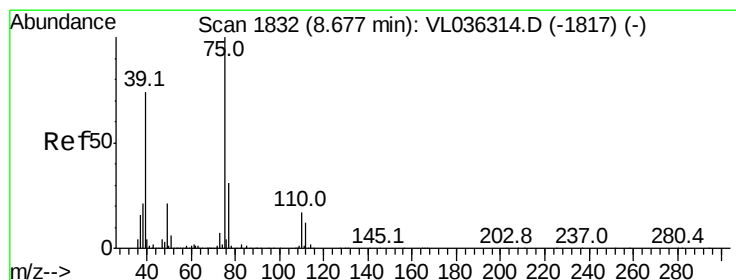
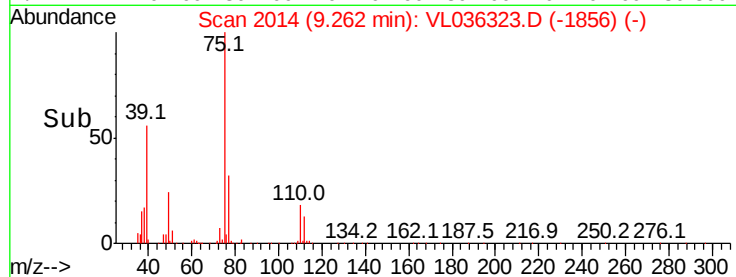
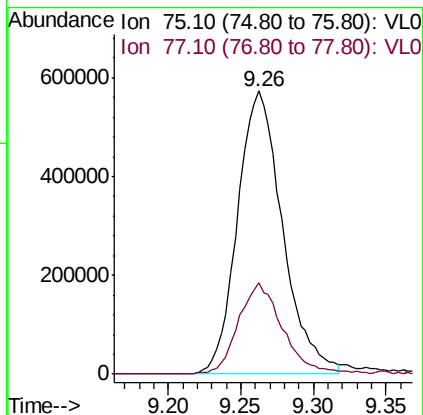
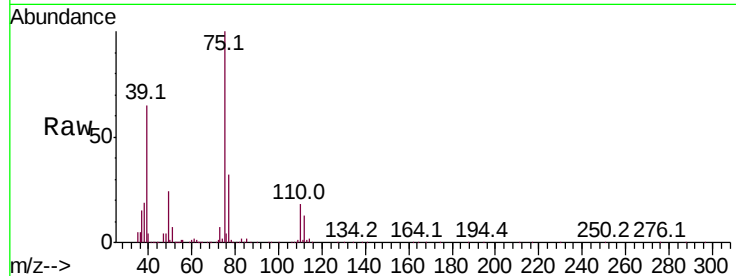
Ion Ratio Lower Upper

75 100

77 32.5 24.6 37.0

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#46

cis-1,3-Dichloropropene

Concen: 10.142 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

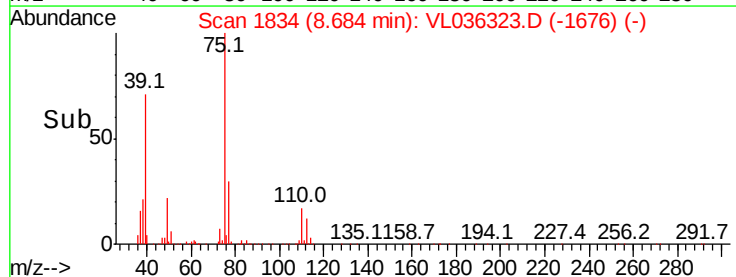
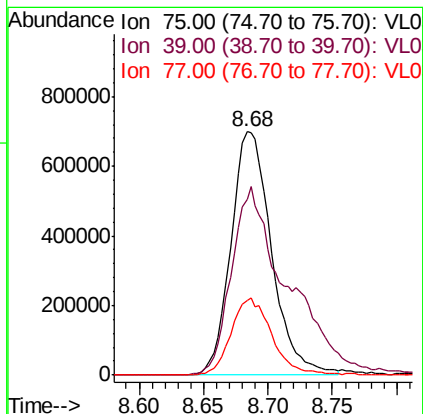
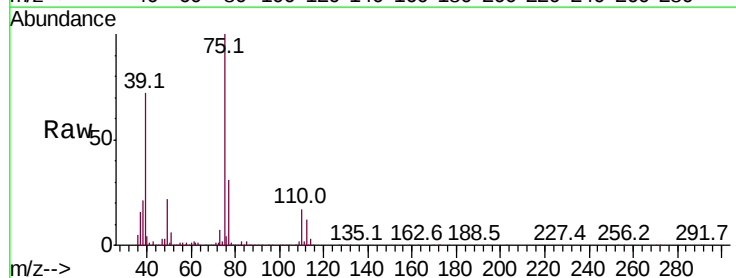
Tgt Ion: 75 Resp: 1526371

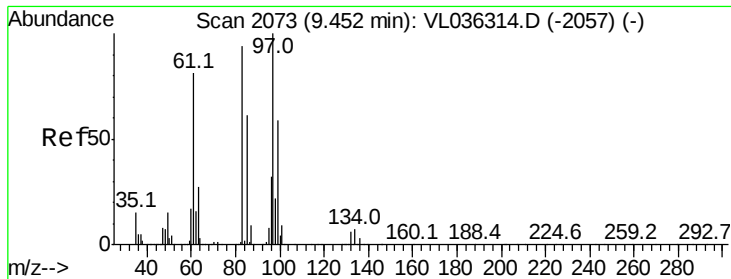
Ion Ratio Lower Upper

75 100

39 72.2 59.2 88.8

77 30.4 25.0 37.6





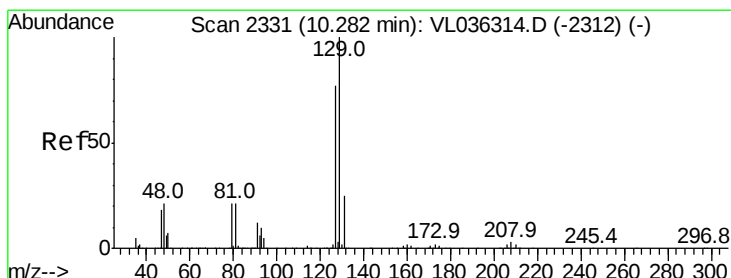
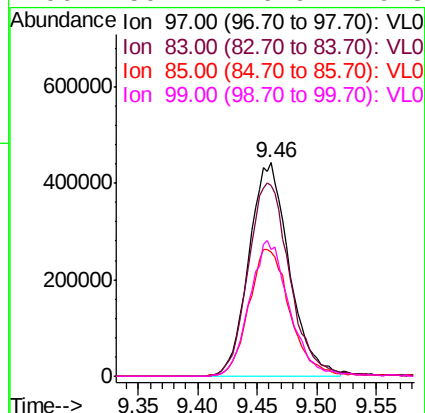
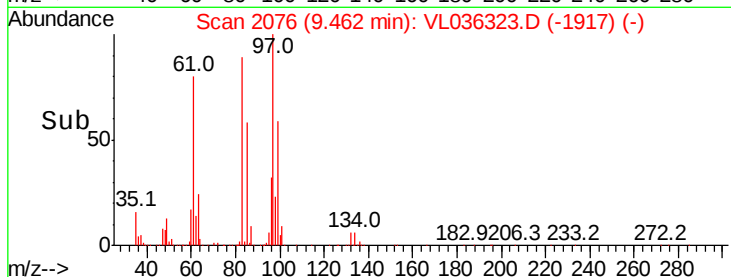
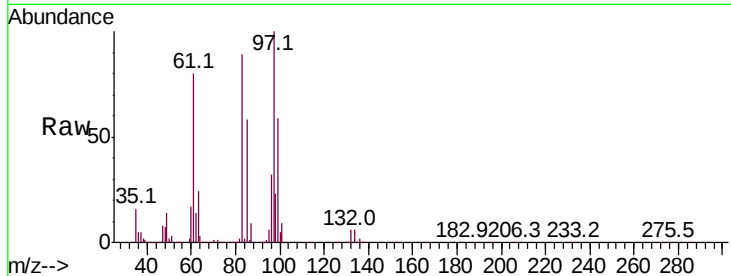
#47
 1,1,2-Trichloroethane
 Concen: 8.552 ppbv
 RT: 9.46 min Scan# 2076
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0210ABS01

Tot Ion	97	Resp	1035362
Ion	Ratio	Lower	Upper
97	100		
83	89.2	75.4	113.0
85	58.0	48.9	73.3
99	59.2	46.9	70.3

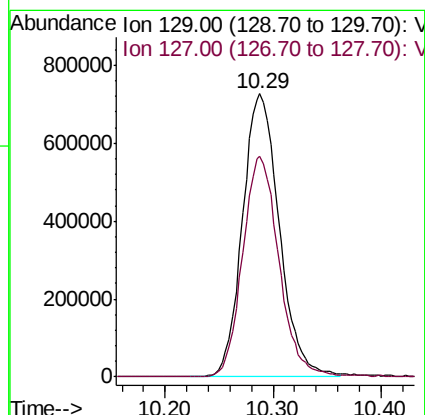
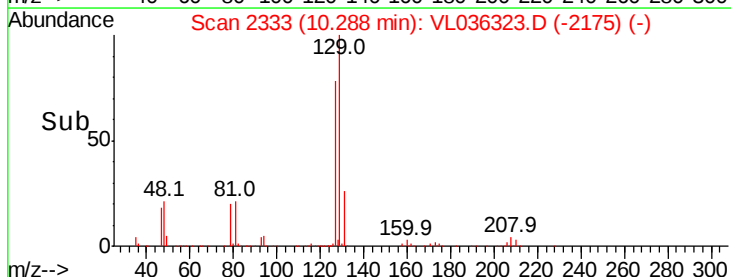
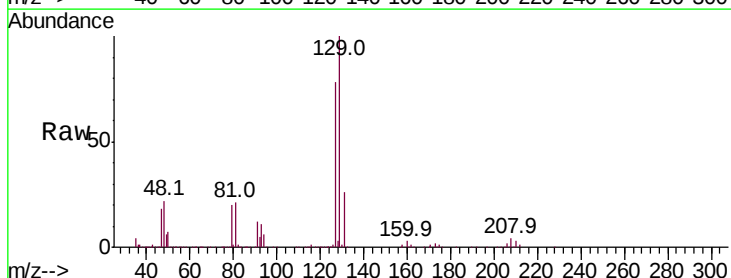
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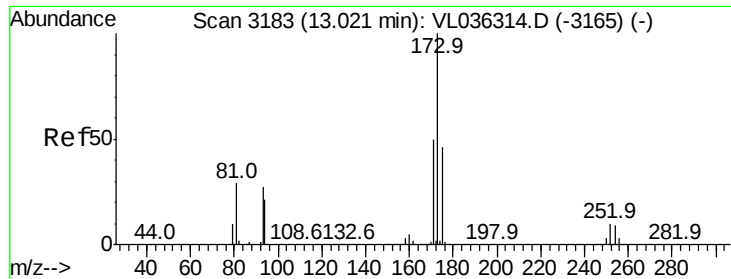
MMDadoda
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#48
 Dibromochloromethane
 Concen: 9.547 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Tgt Ion	129	Resp	1724749
Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.1	117.2





#49

Bromoform

Concen: 9.313 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

VL0210ABS01

Tot Ion:173 Resp: 1360070

Ion Ratio Lower Upper

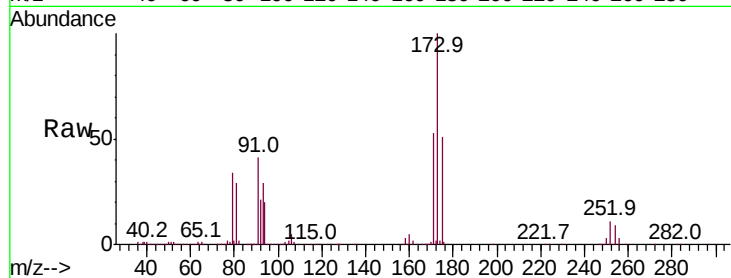
173 100

175 49.1 40.2 60.2

171 52.7 43.4 65.2

Manual Integrations
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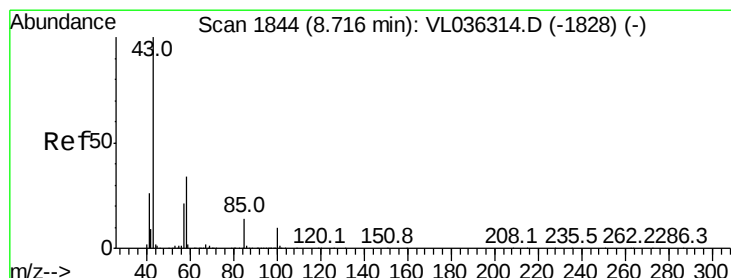
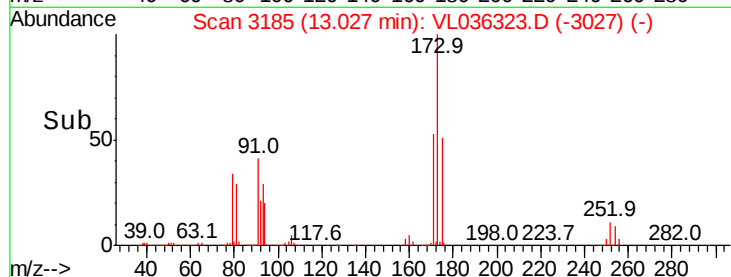
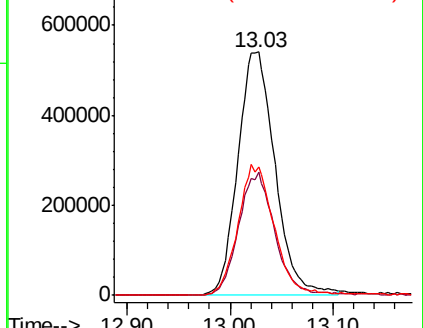
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.115 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL036323.D

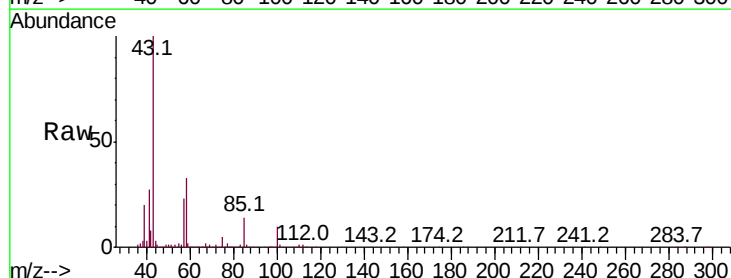
Acq: 10 Feb 2021 18:37

Tgt Ion: 43 Resp: 3082271

Ion Ratio Lower Upper

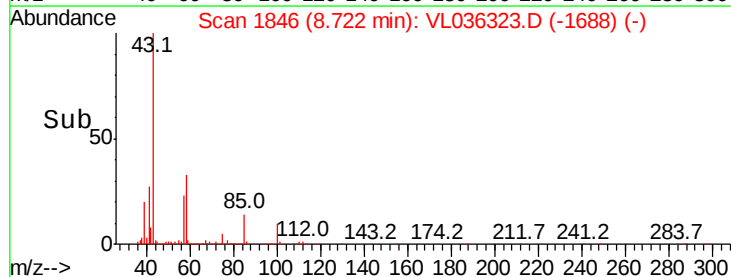
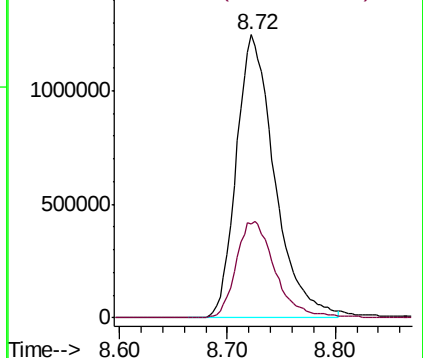
43 100

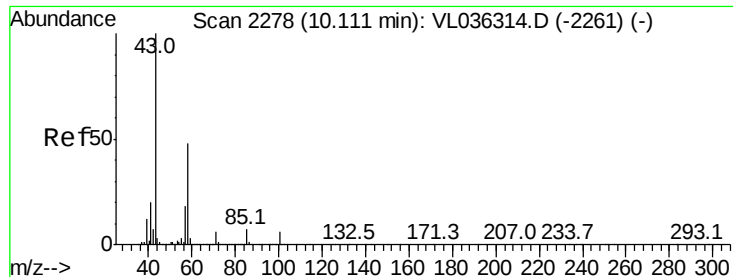
58 35.2 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





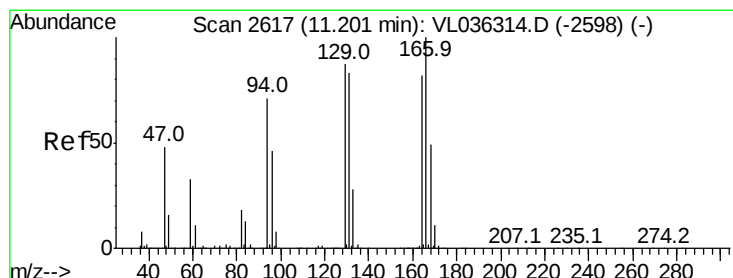
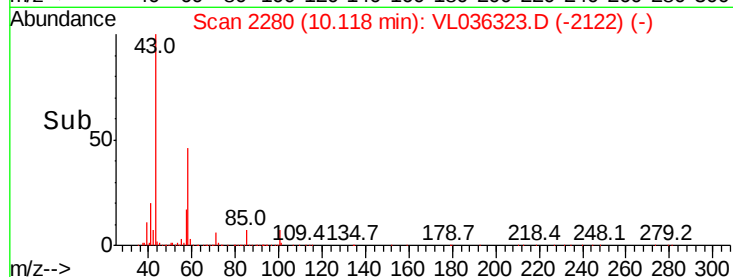
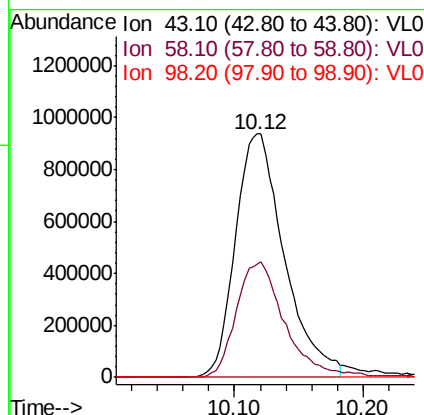
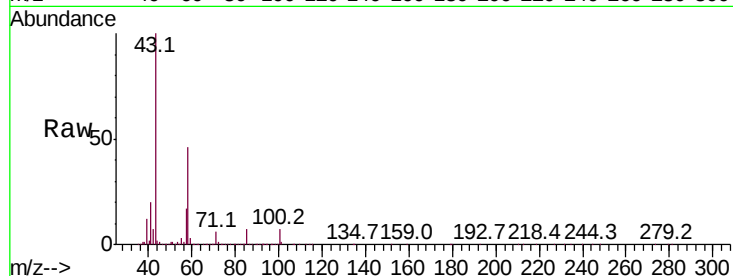
#51
2-Hexanone
Concen: 9.571 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :
VL0210ABS01

Tot Ion: 43 Resp: 2459108
Ion Ratio Lower Upper
43 100
58 47.7 38.7 58.1
98 0.4 0.4 0.6#

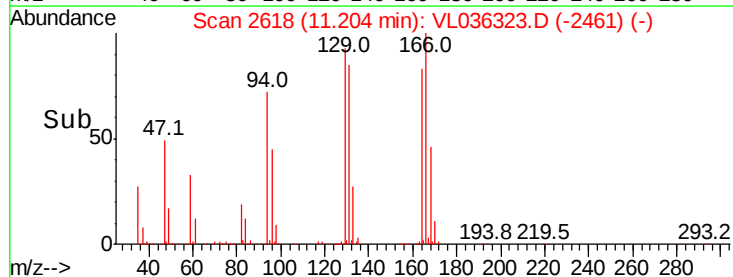
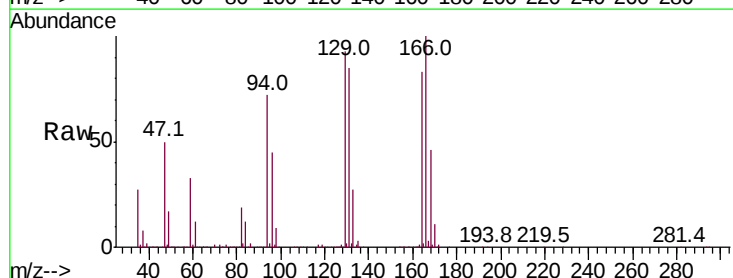
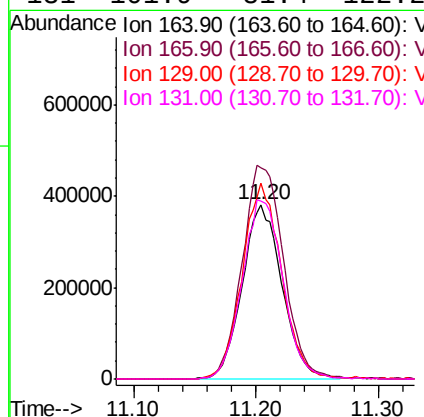
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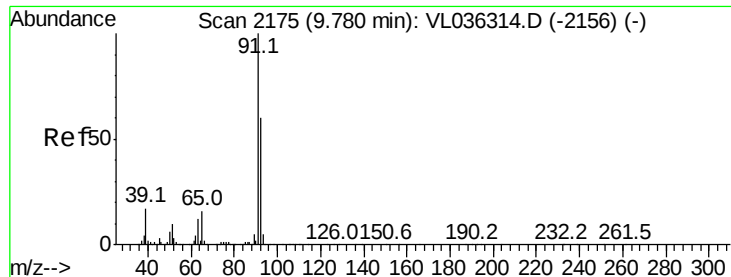
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#52
Tetrachloroethene
Concen: 8.061 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion: 164 Resp: 859428
Ion Ratio Lower Upper
164 100
166 120.6 97.8 146.8
129 112.4 84.9 127.3
131 101.9 81.4 122.2





#53

Toluene

Concen: 9.367 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

VL0210ABS01

Tot Ion: 91 Resp: 2954757

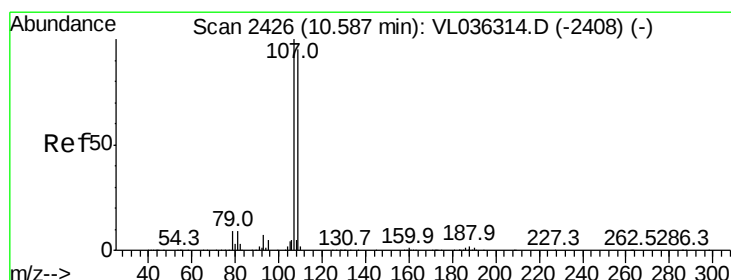
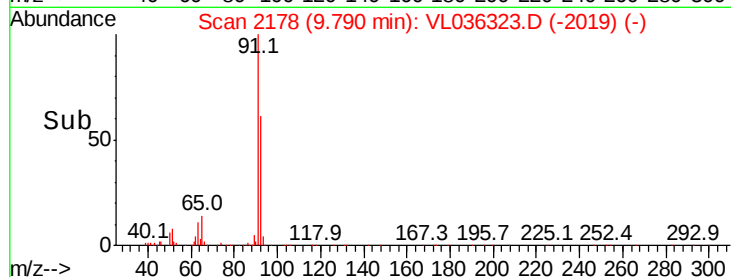
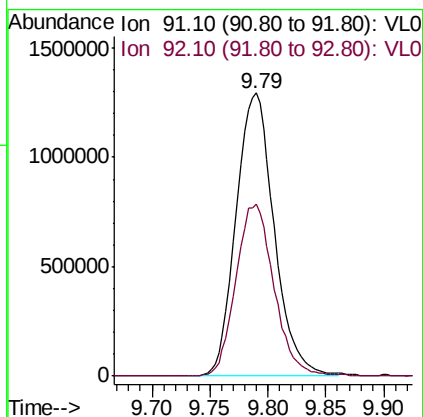
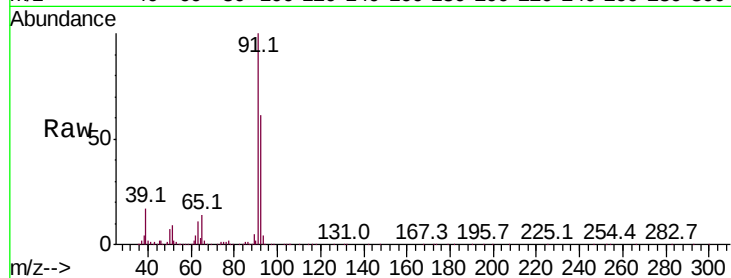
Ion Ratio Lower Upper

91 100

92 61.0 48.6 72.8

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 8.745 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL036323.D

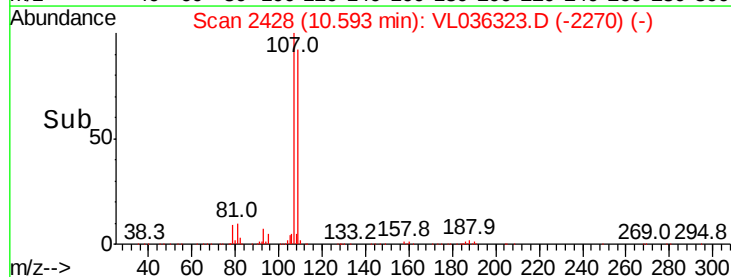
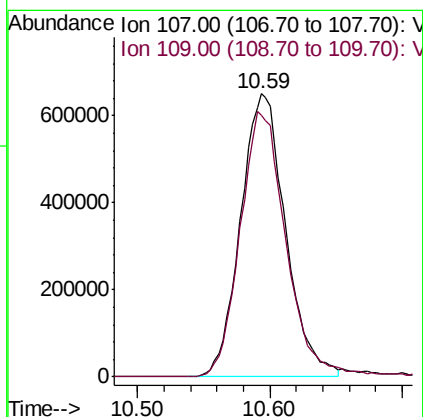
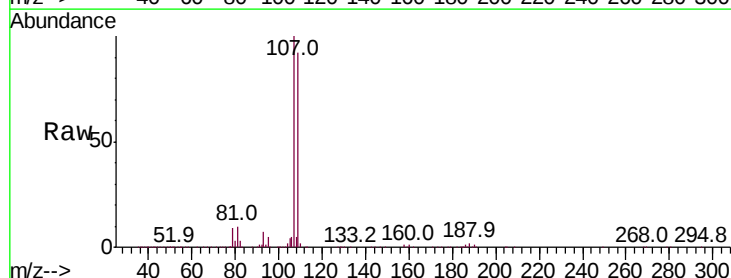
Acq: 10 Feb 2021 18:37

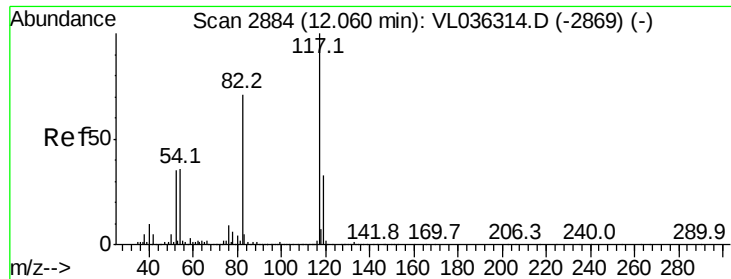
Tgt Ion: 107 Resp: 1530000

Ion Ratio Lower Upper

107 100

109 92.3 76.0 114.0





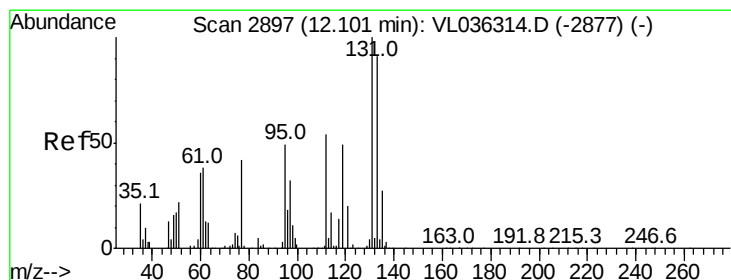
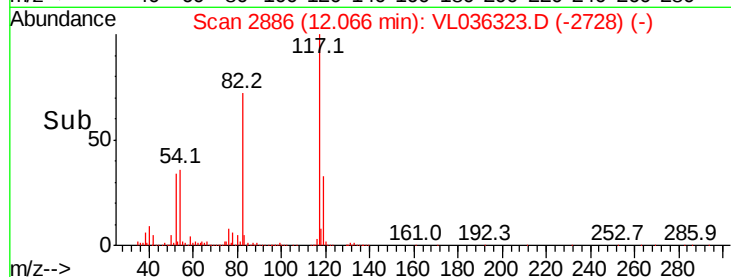
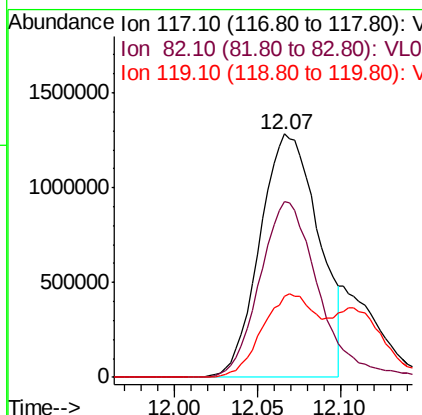
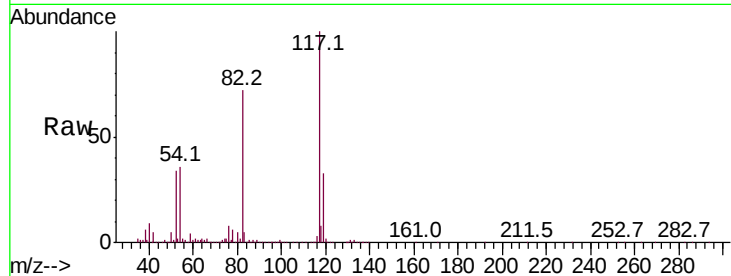
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2886
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :
VL0210ABS01

Tot Ion:117 Resp: 3136414
Ion Ratio Lower Upper
117 100
82 73.7 59.1 88.7
119 57.6 46.3 69.5

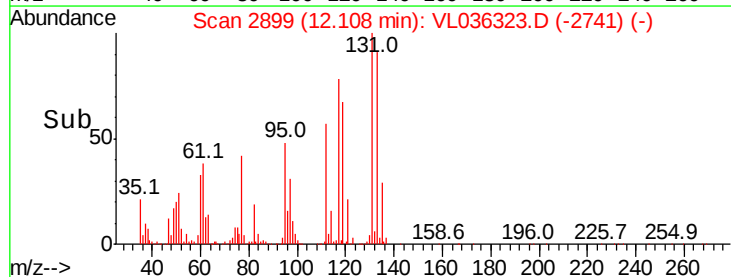
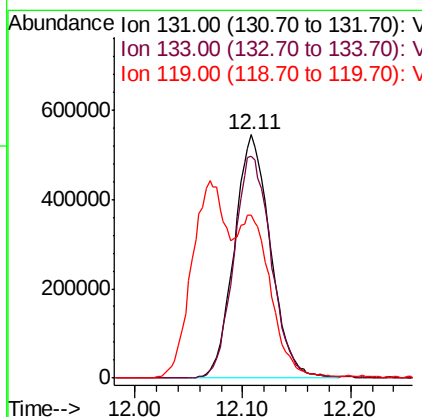
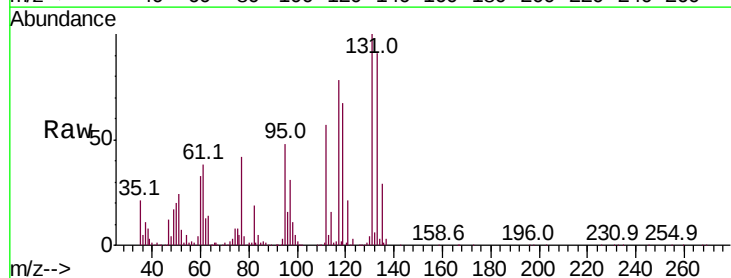
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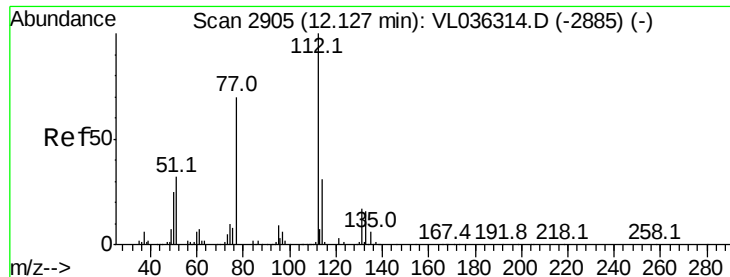
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.817 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion:131 Resp: 1271943
Ion Ratio Lower Upper
131 100
133 95.0 76.0 114.0
119 64.3 115.1 172.7#





#57

Chlorobenzene

Concen: 8.652 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

VL0210ABS01

Tot Ion: 112 Resp: 2096475

Ion Ratio Lower Upper

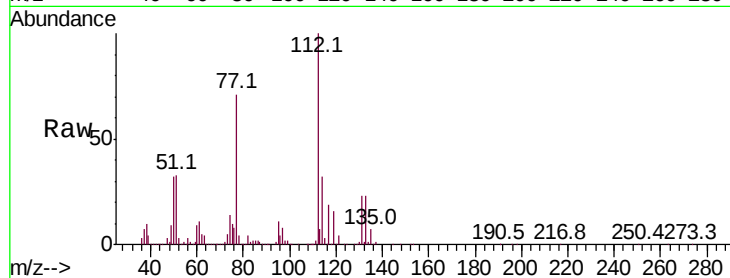
112 100

77 70.4 56.1 84.1

114 31.8 28.3 34.5

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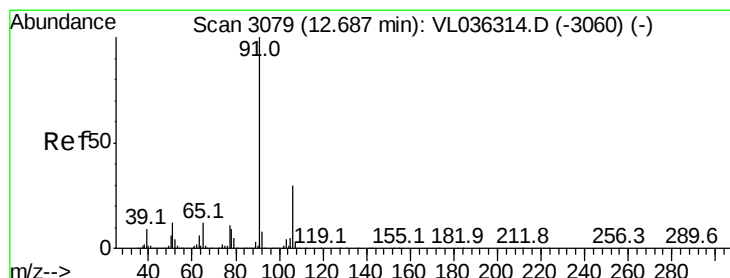
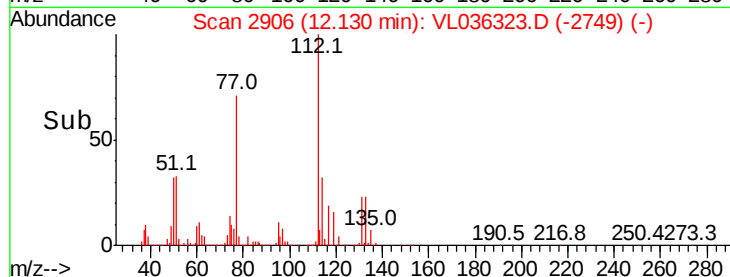
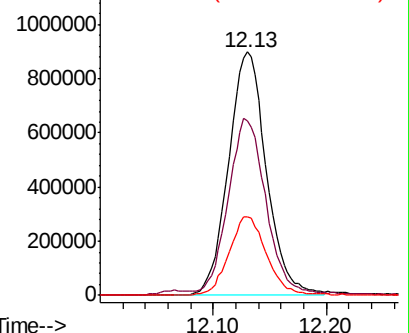
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.204 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.01 min

Lab File: VL036323.D

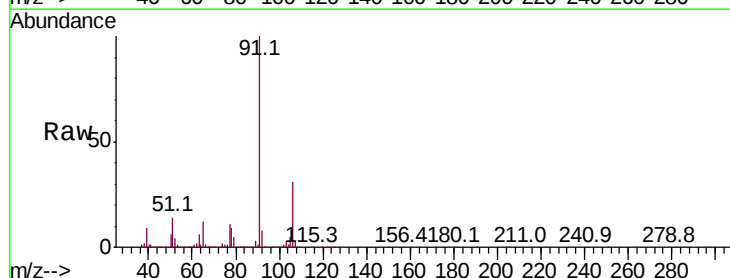
Acq: 10 Feb 2021 18:37

Tgt Ion: 91 Resp: 3952906

Ion Ratio Lower Upper

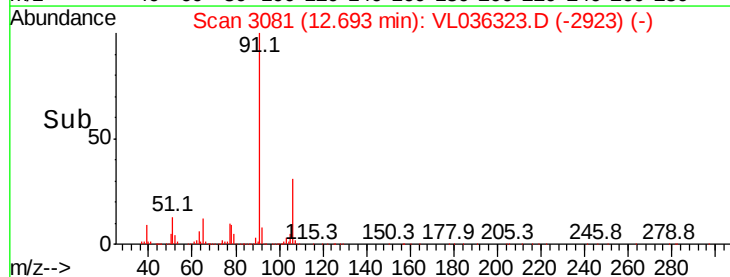
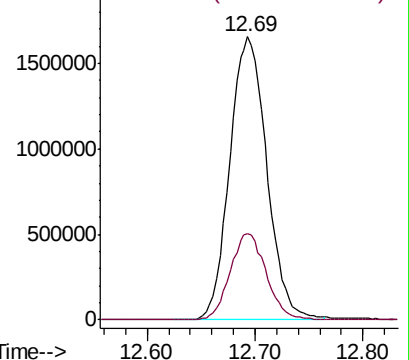
91 100

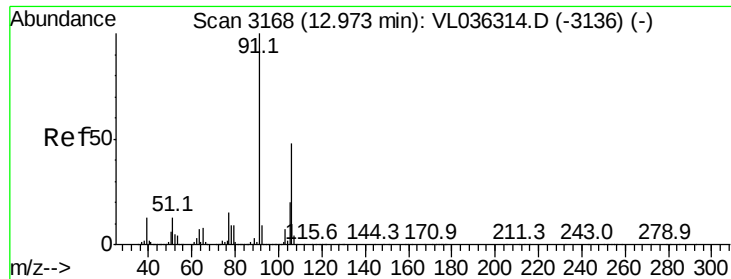
106 30.6 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





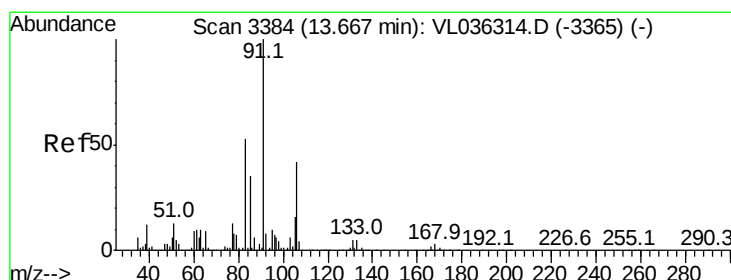
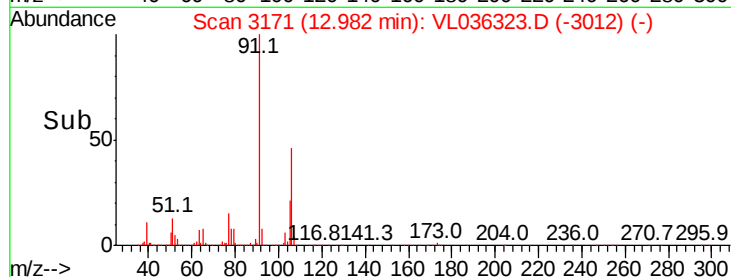
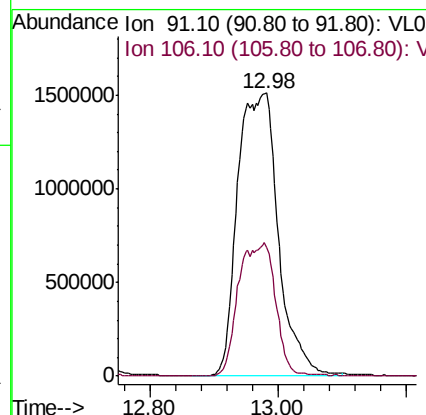
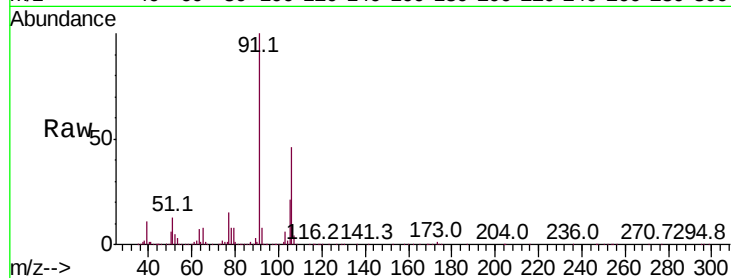
#59
m/p-Xylene
Concen: 17.677 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :
VL0210ABS01

Tot Ion: 91 Resp: 6668549
Ion Ratio Lower Upper
91 100
106 42.9 34.2 51.2

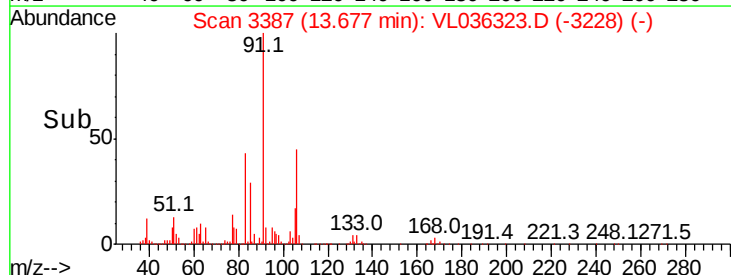
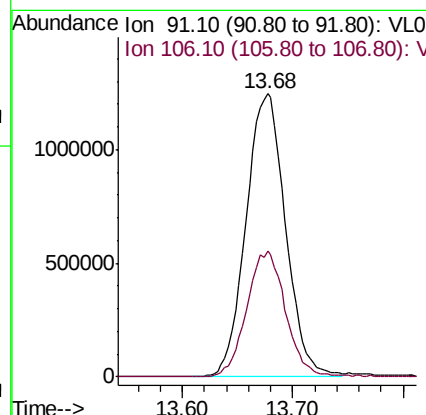
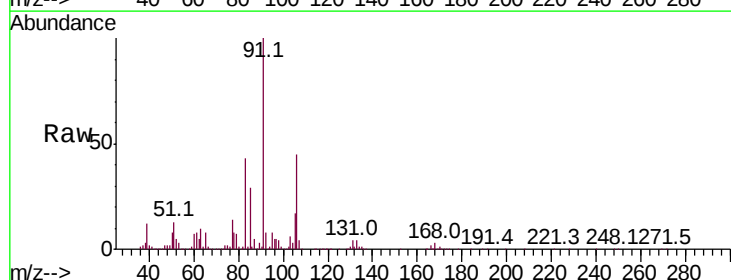
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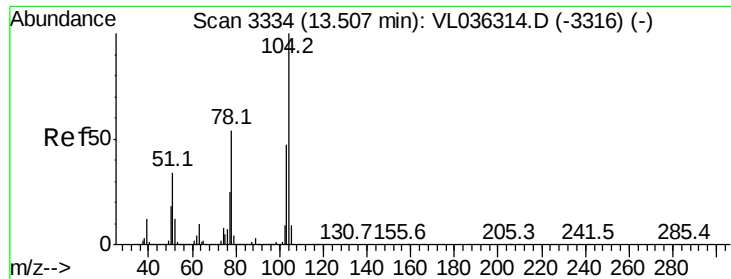
MMDadoda
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#60
o-Xylene
Concen: 8.571 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion: 91 Resp: 3091450
Ion Ratio Lower Upper
91 100
106 44.2 22.0 66.0





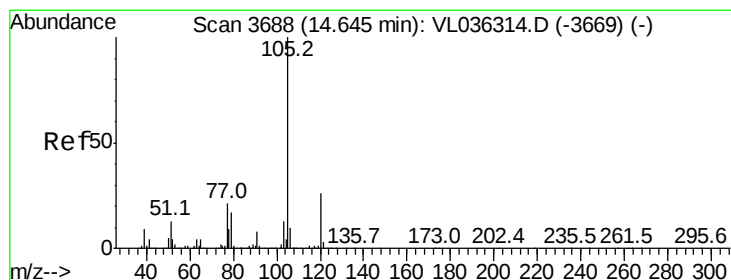
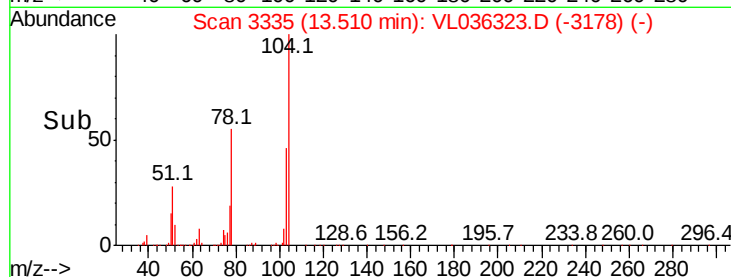
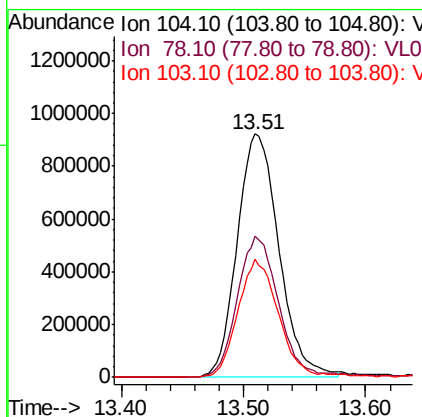
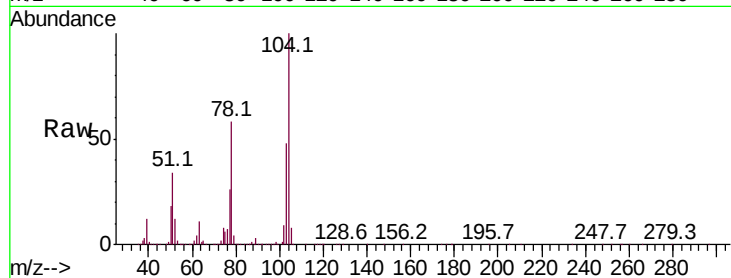
#61
Stvrene
Concen: 9.757 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. 0.00 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :
VL0210ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.9	46.2	69.2
103	47.8	38.3	57.5

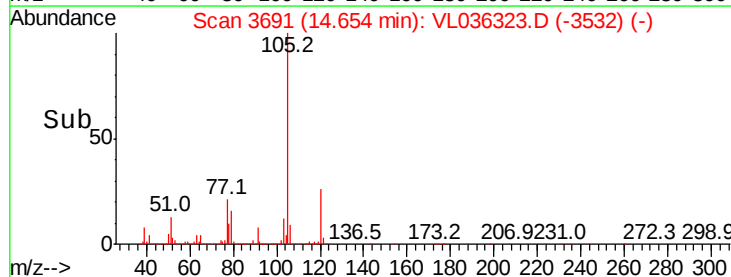
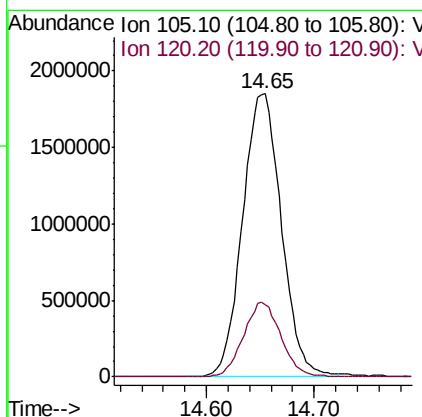
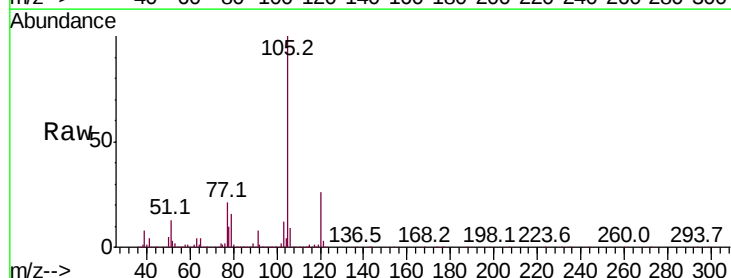
Manual Integrations
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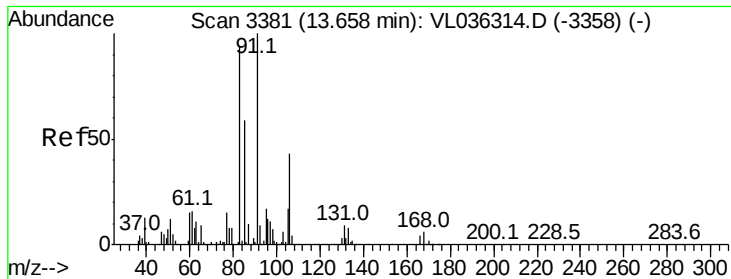
MMDadoda
2/12/2021 1:42:08 PM



#62
Isopropylbenzene
Concen: 8.566 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	30.8





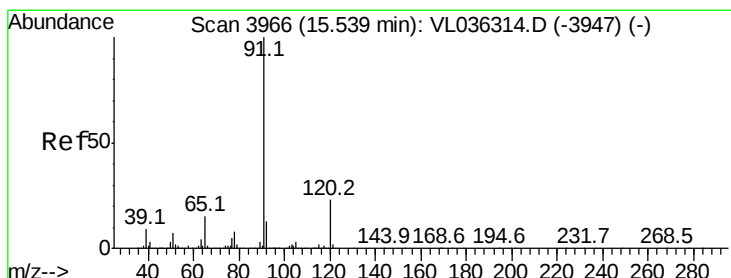
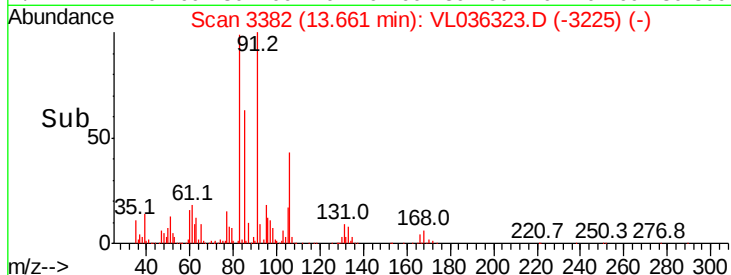
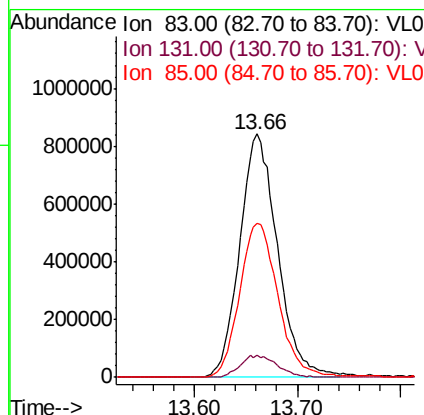
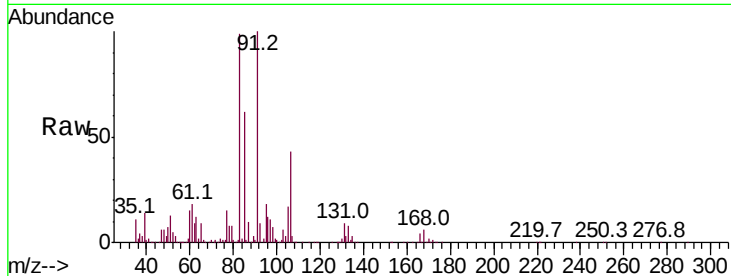
#63
1,1,2,2-Tetrachloroethane
Concen: 7.506 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. 0.00 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :
VL0210ABS01

Tot Ion	83	Resp	2136258
Ion Ratio	100	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	65.1	33.0	98.9

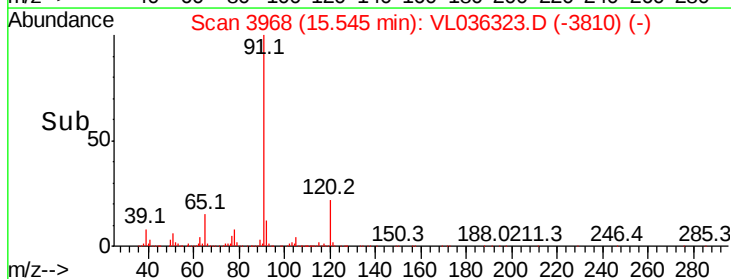
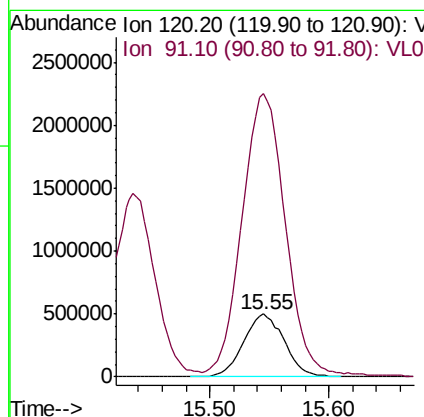
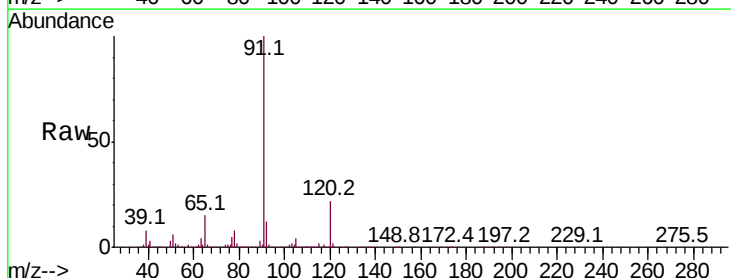
Manual Integrations
APPROVED

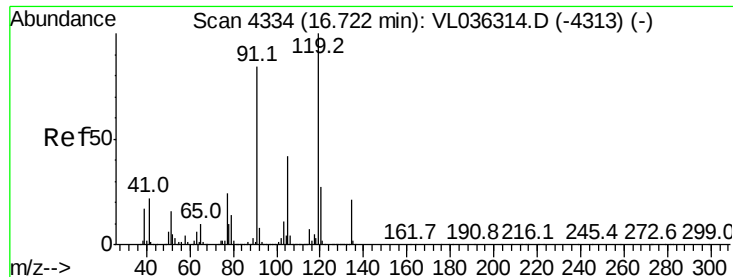
MMDadoda
2/12/2021 1:42:08 PM



#64
n-propylbenzene
Concen: 8.911 ppbv
RT: 15.55 min Scan# 3968
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion	120	Resp	1185649
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
120	100		
91	482.3	387.2	580.8





#65

tert-Butylbenzene

Concen: 8.300 ppbv

RT: 16.73 min Scan# 4336

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

VL0210ABS01

Tot Ion:119 Resp: 3839523

Ion Ratio Lower Upper

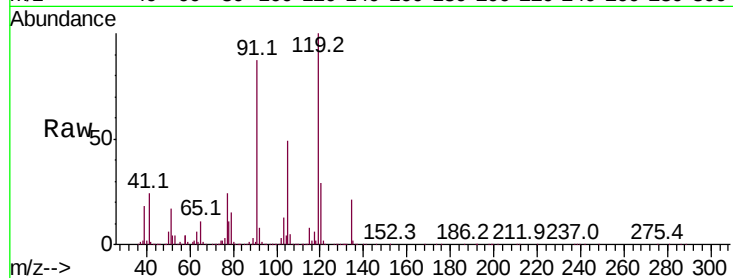
119 100

91 87.6 70.5 105.7

134 19.6 15.8 23.8

Manual Integrations
APPROVED

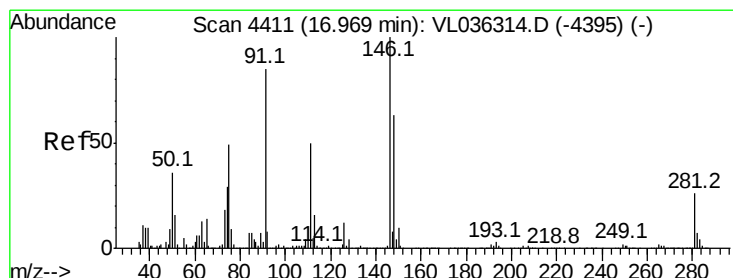
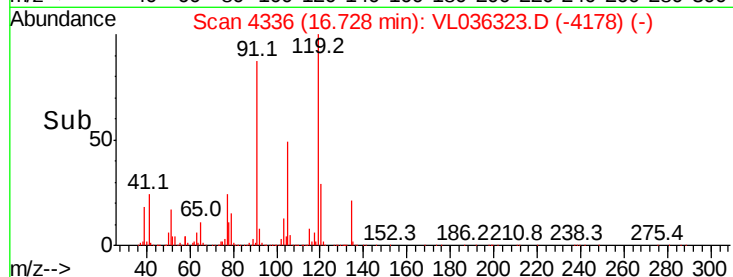
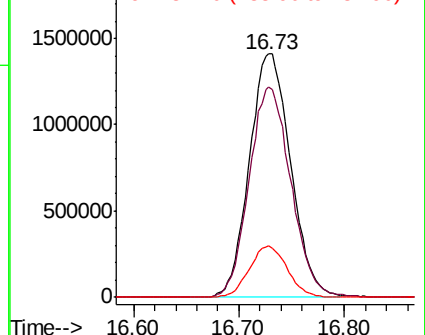
MMDadoda
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.969 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. 0.00 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

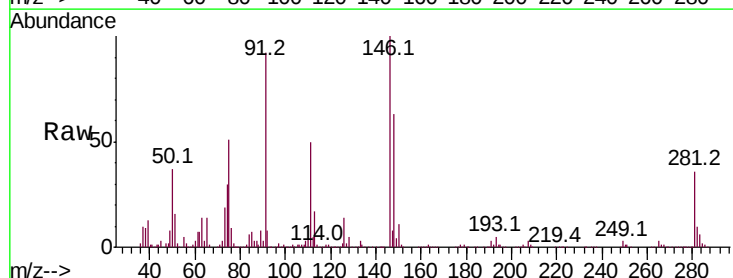
Tgt Ion: 91 Resp: 1253587

Ion Ratio Lower Upper

91 100

126 15.9 12.9 19.3

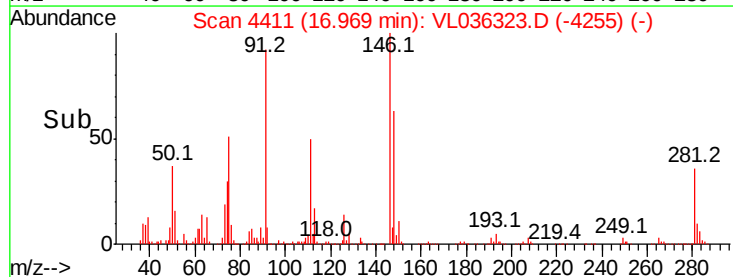
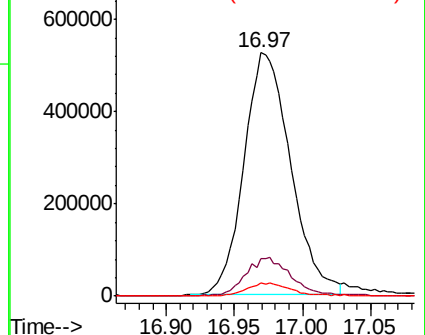
128 5.3 4.2 6.2

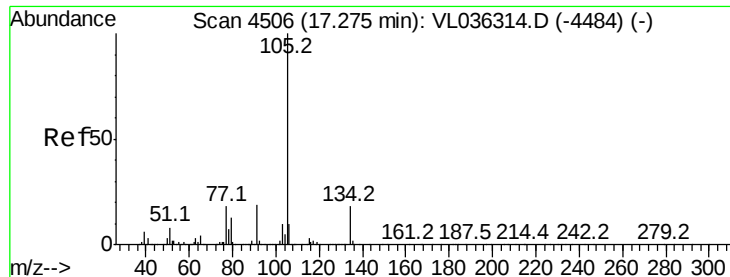


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.386 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. 0.00 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

VL0210ABS01

Tot Ion: 105 Resp: 5594319

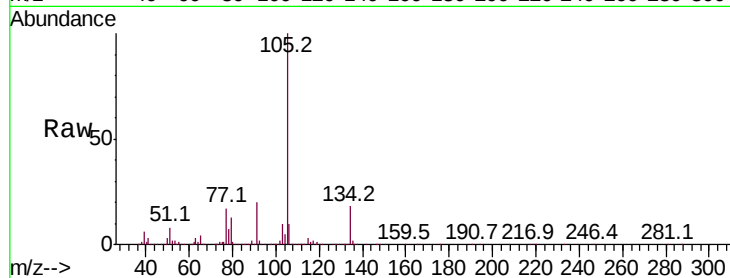
Ion Ratio Lower Upper

105 100

134 17.8 14.2 21.4

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

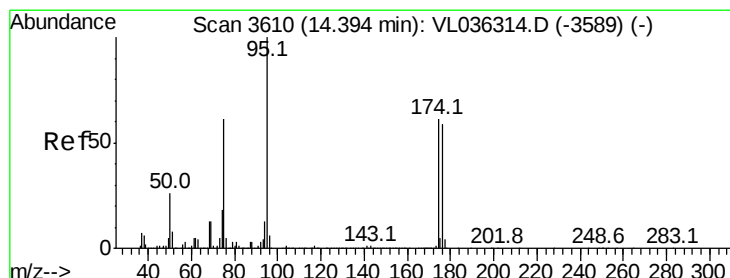
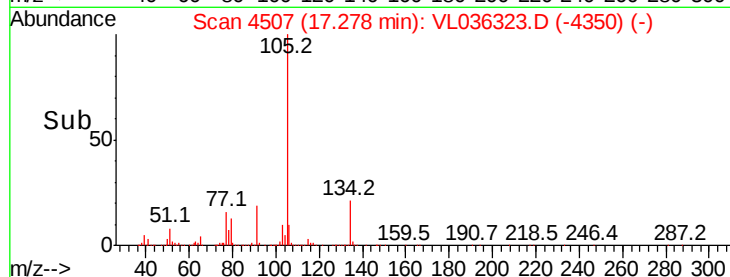
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.347 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

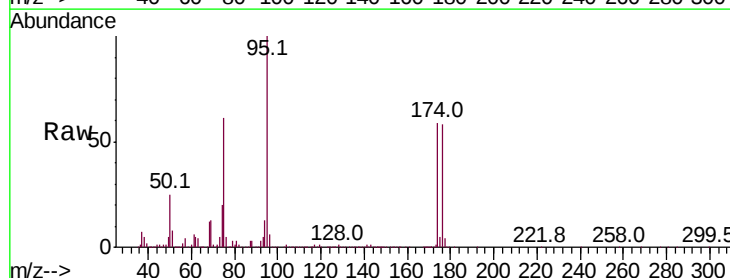
Tgt Ion: 95 Resp: 2670148

Ion Ratio Lower Upper

95 100

174 62.0 49.8 74.6

175 4.8 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

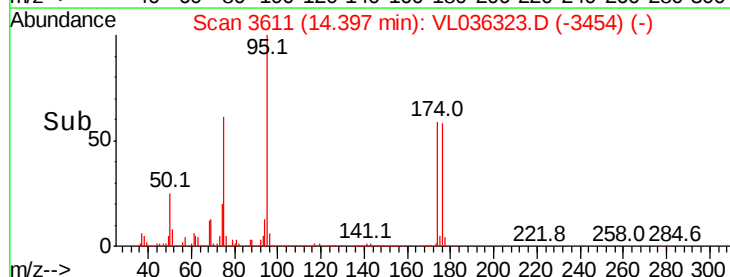
1000000

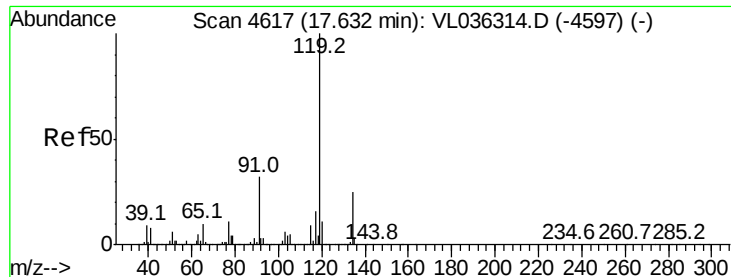
500000

0

14.30 14.40 14.50

Time-->





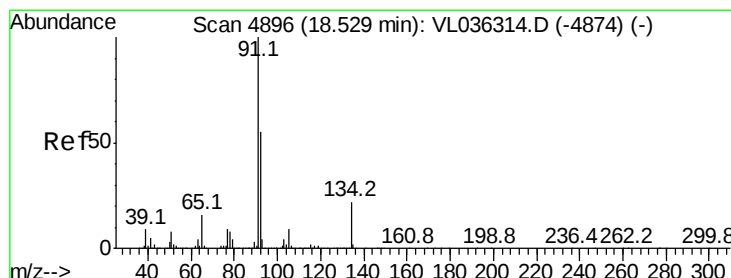
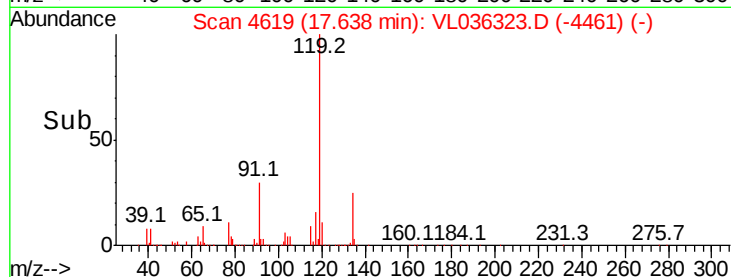
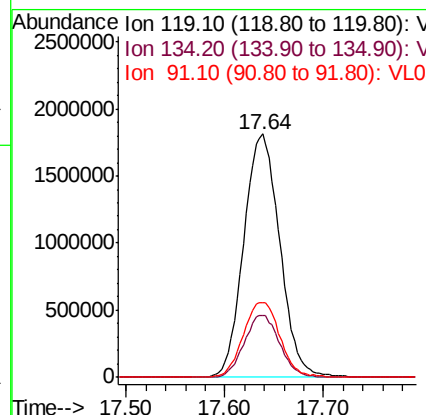
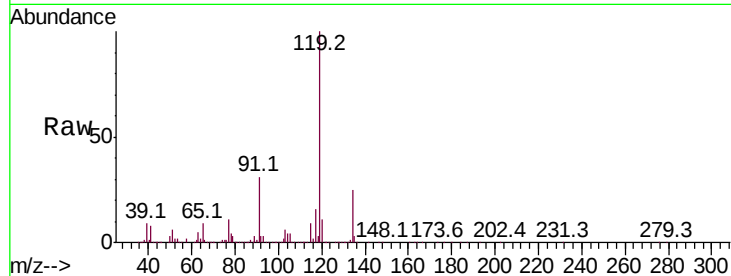
#69
 p-Isopropyltoluene
 Concen: 8.872 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0210ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.1	30.1
91	31.7	25.8	38.6

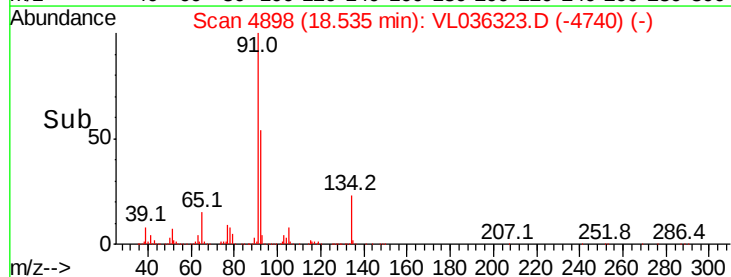
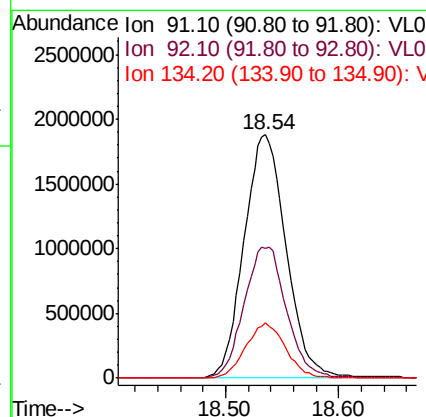
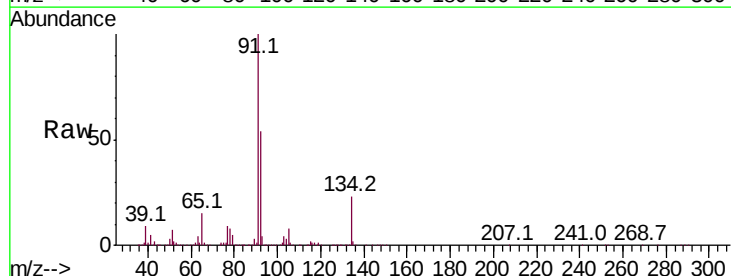
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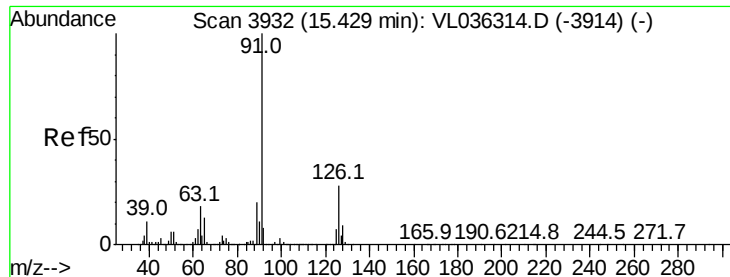
MMDadoda
 2/12/2021 1:42:08 PM



#70
 n-Butylbenzene
 Concen: 8.780 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.7	65.5
134	21.8	17.4	26.0





#71

2-Chlorotoluene

Concen: 8.642 ppbv

RT: 15.44 min Scan# 3934

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

VL0210ABS01

Tot Ion: 91 Resp: 3581634

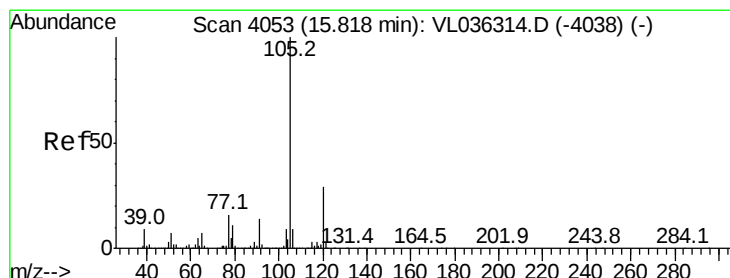
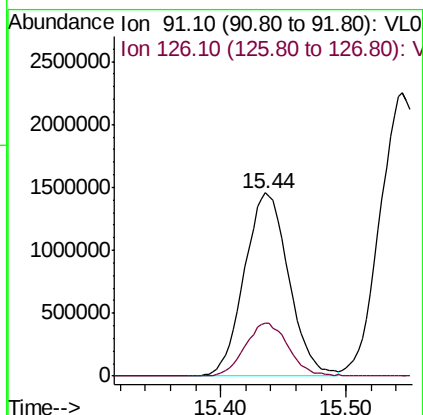
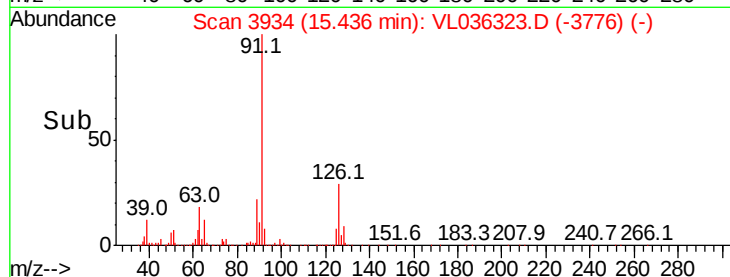
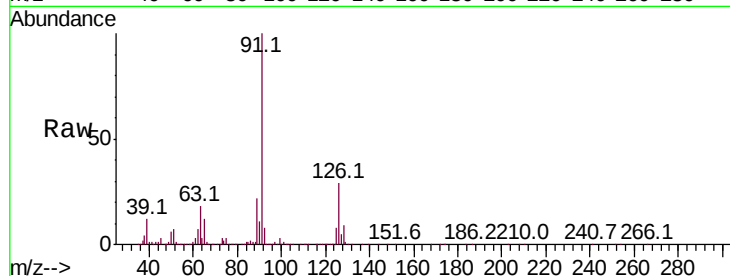
Ion Ratio Lower Upper

91 100

126 28.9 11.5 46.1

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#72

4-Ethyltoluene

Concen: 8.703 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Tgt Ion: 105 Resp: 3493554

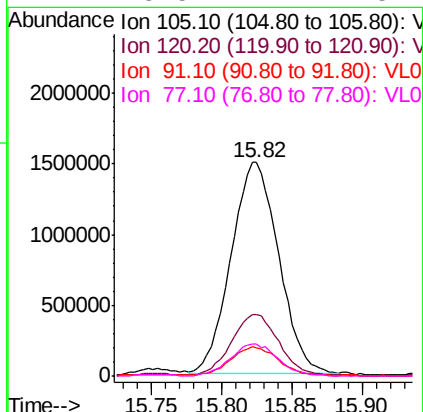
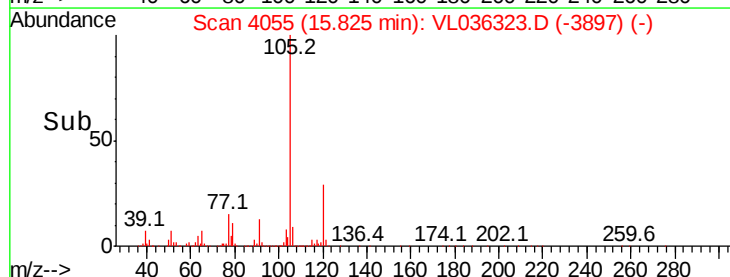
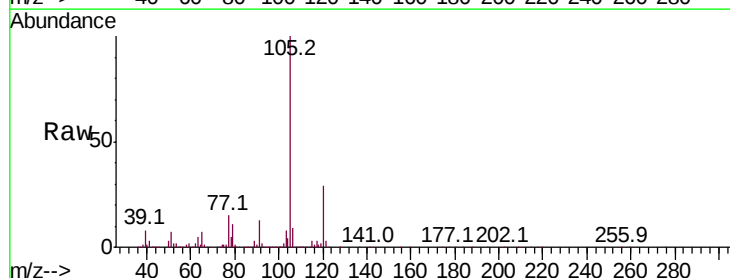
Ion Ratio Lower Upper

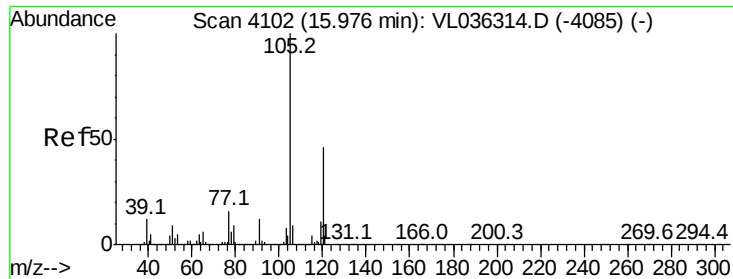
105 100

120 29.6 23.2 34.8

91 14.1 11.0 16.4

77 15.5 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 8.575 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

VL0210ABS01

Tot Ion:105 Resp: 3336531

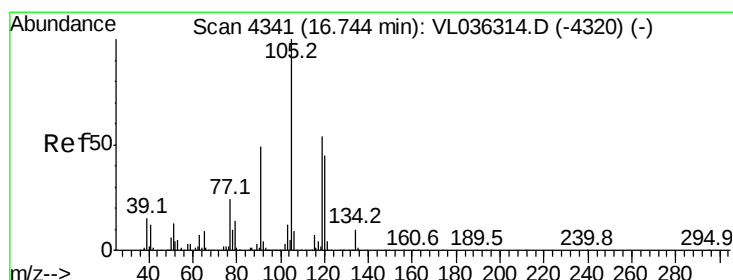
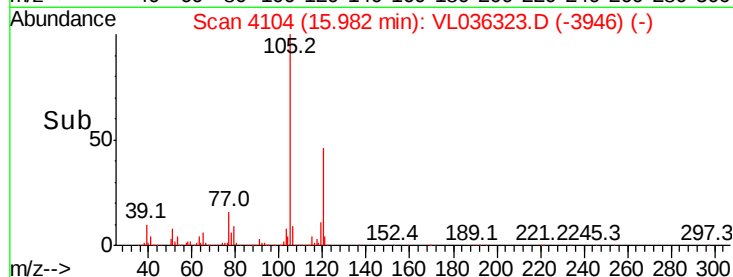
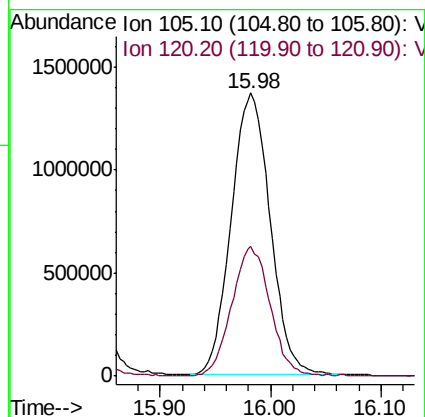
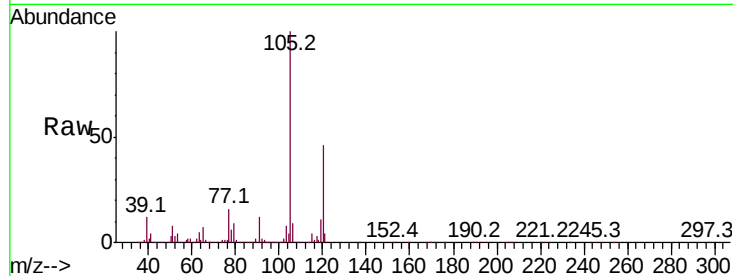
Ion Ratio Lower Upper

105 100

120 45.8 36.9 55.3

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#74

1,2,4-Trimethylbenzene

Concen: 8.572 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.00 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Tgt Ion:105 Resp: 3405072

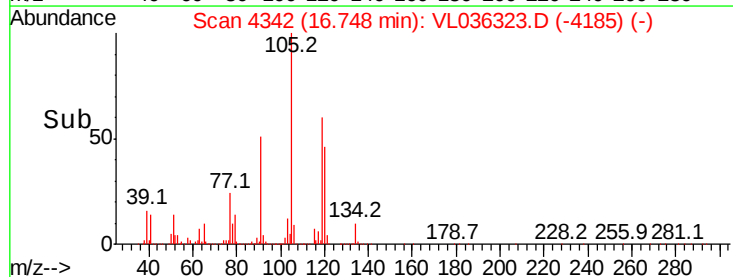
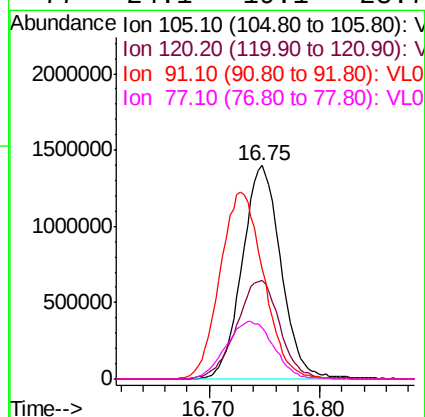
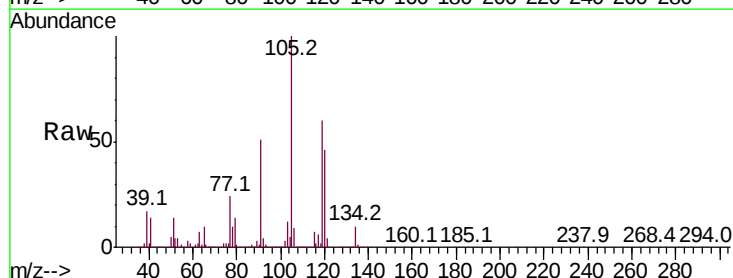
Ion Ratio Lower Upper

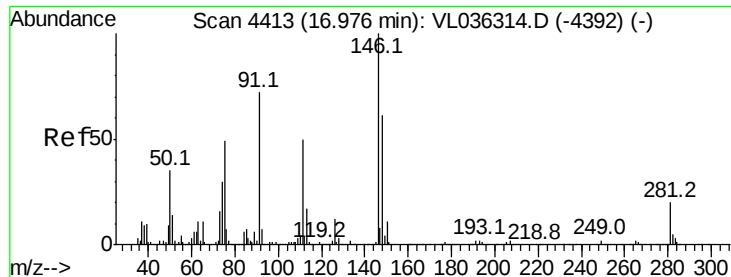
105 100

120 45.8 35.8 53.6

91 51.0 39.8 59.6

77 24.1 19.1 28.7





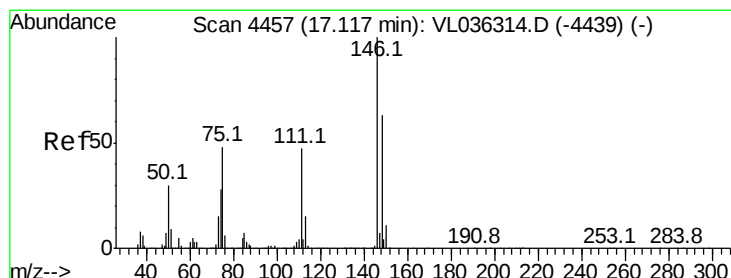
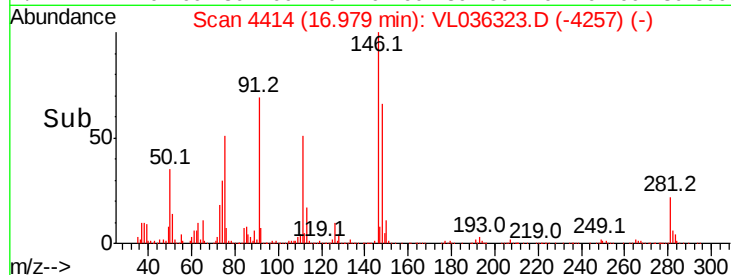
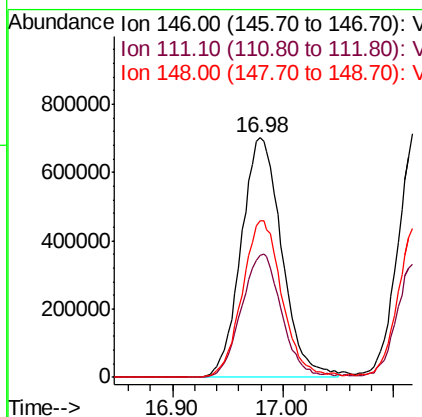
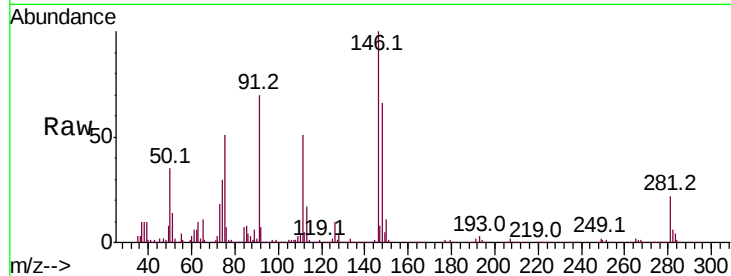
#75
 1,3-Dichlorobenzene
 Concen: 8.302 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T. 0.00 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0210ABS01

Tot Ion:146 Resp: 1790039
 Ion Ratio Lower Upper
 146 100
 111 51.1 24.9 74.6
 148 64.3 31.9 95.9

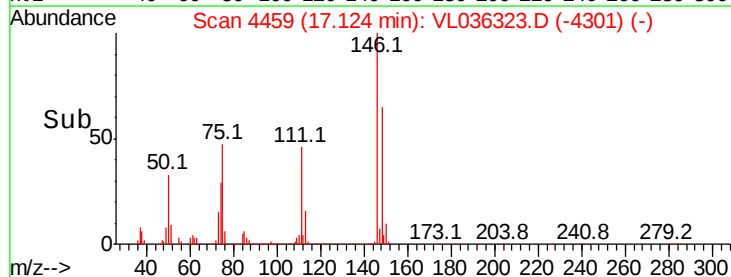
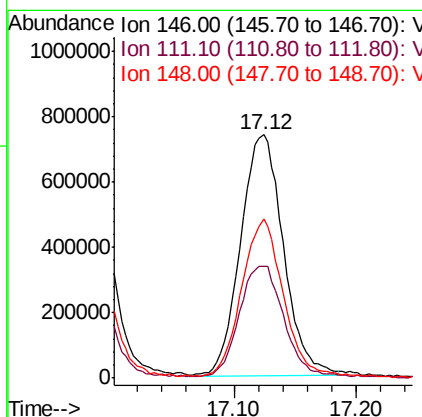
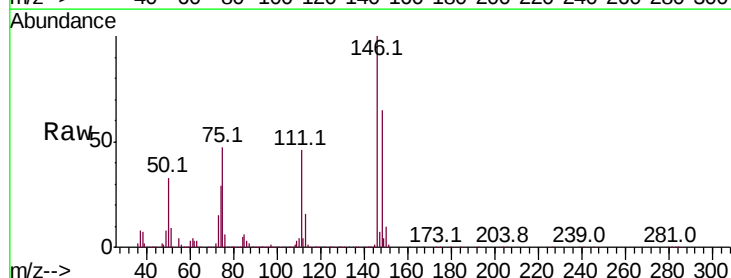
Manual Integrations
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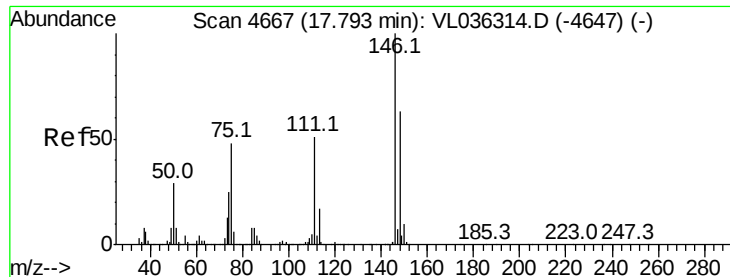
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 2/12/2021 1:42:08 PM



#76
 1,4-Dichlorobenzene
 Concen: 8.009 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Tgt Ion:146 Resp: 1793296
 Ion Ratio Lower Upper
 146 100
 111 49.1 23.6 71.0
 148 64.8 31.6 95.0





#77

1,2-Dichlorobenzene

Concen: 8.219 ppbv

RT: 17.80 min Scan# 4669

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

VL0210ABS01

Tot Ion:146 Resp: 1758058

Ion Ratio Lower Upper

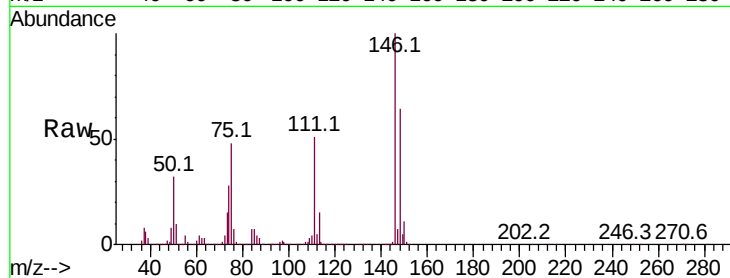
146 100

111 51.9 25.9 77.8

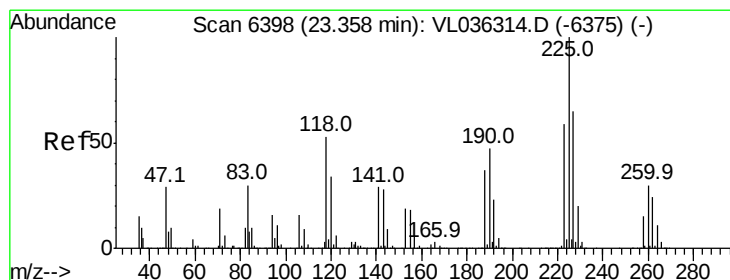
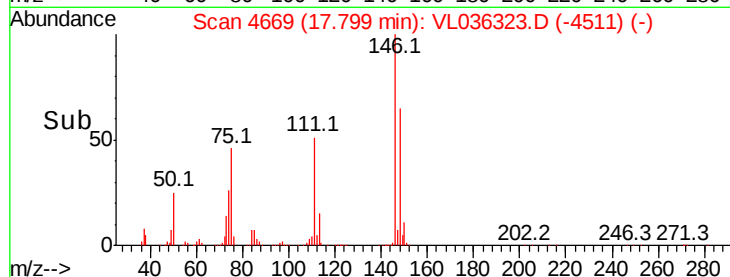
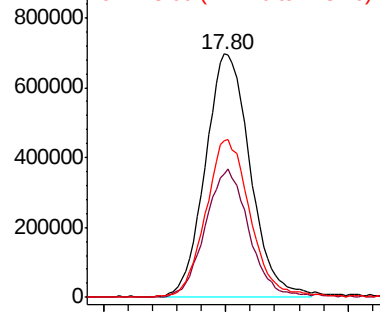
148 65.1 32.5 97.4

Manual Integrations
APPROVED

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2/12/2021 1:42:08 PM



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: 8.426 ppbv m

RT: 23.35 min Scan# 6397

Delta R.T. -0.00 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

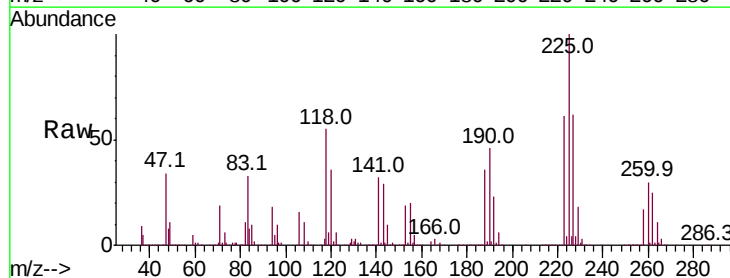
Tgt Ion:225 Resp: 1472366

Ion Ratio Lower Upper

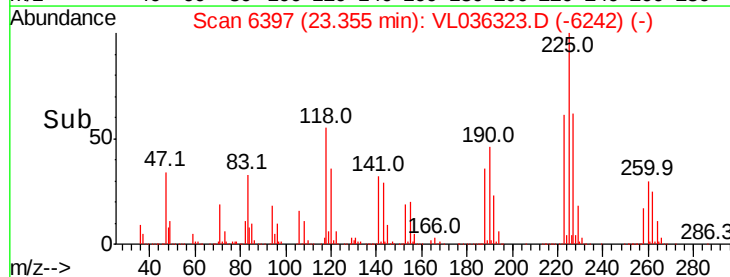
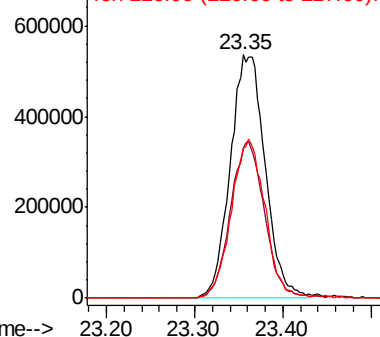
225 100

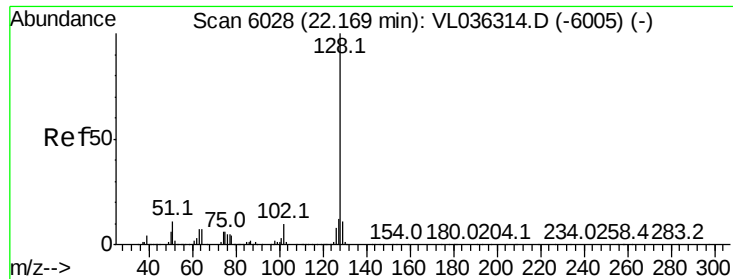
223 63.1 50.8 76.2

227 63.9 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





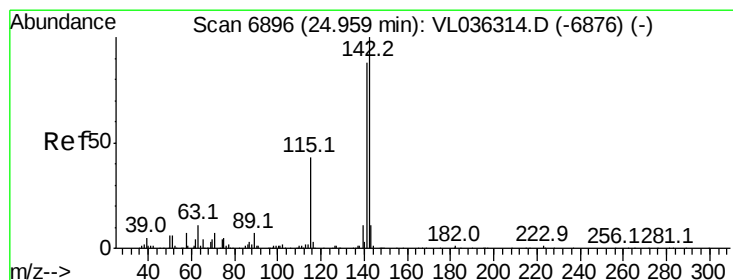
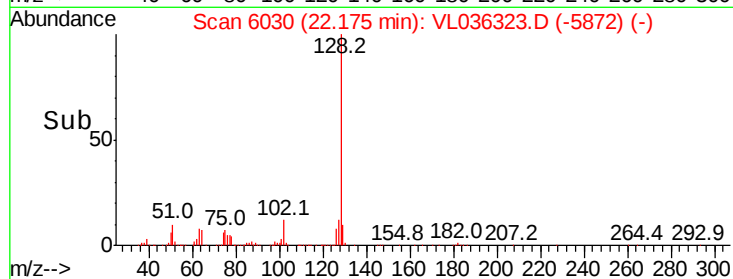
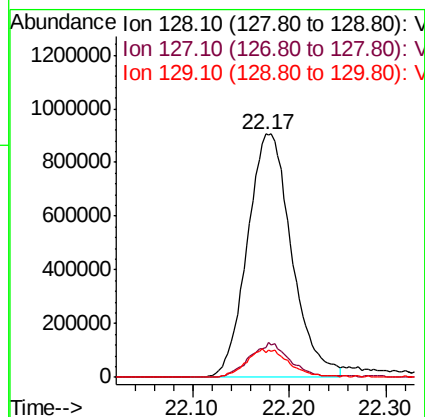
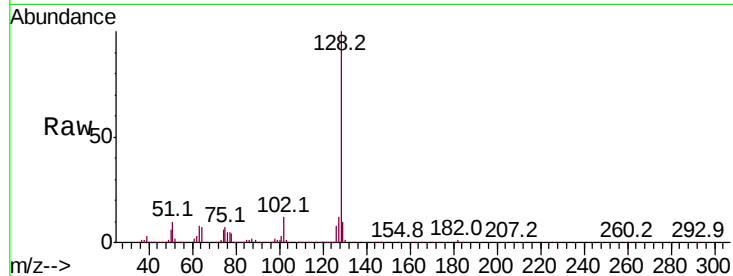
#79
Naphthalene
Concen: 12.237 ppbv
RT: 22.17 min Scan# 6030
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :
VL0210ABS01

Tot Ion:	128	Resp:	2881457
Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.6	14.4
129	10.1	8.5	12.7

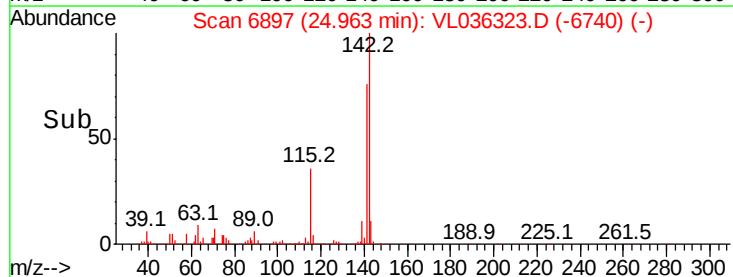
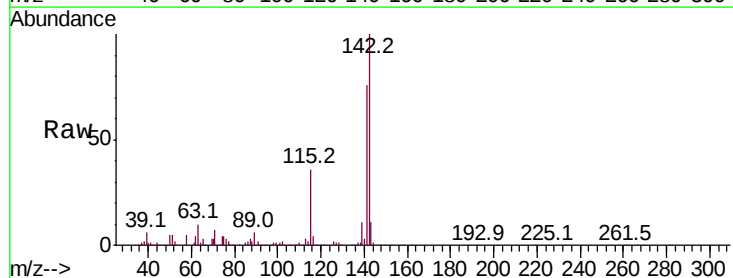
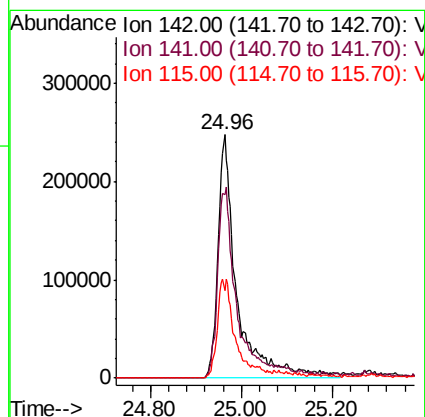
Manual Integrations
APPROVED

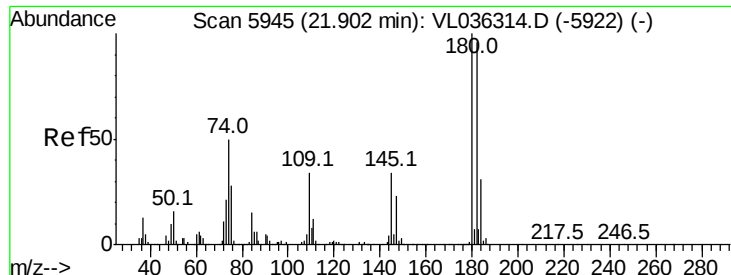
MMDadoda
2/12/2021 1:42:08 PM



#80
Naphthalene, 2-methyl-
Concen: 16.525 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion:	142	Resp:	720480
Ion	Ratio	Lower	Upper
142	100		
141	81.1	64.4	96.6
115	38.7	34.6	51.8





#81
 1,2,4-Trichlorobenzene
 Concen: 10.309 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0210ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.8	80.2	120.4
184	32.1	25.0	37.6

Manual Integrations
 APPROVED

MMDadoda
 2/12/2021 1:42:08 PM

