

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036921.D
 Acq On : 7 May 2021 16:10
 Operator : SY/AP
 Sample : VL0507ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0507ABS01

Manual Integrations
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 5/10/2021 3:34:40 PM

Quant Time: May 08 07:01:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1375559	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3497447	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3359412m	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2663012	9.87	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2061261	9.515	ppbv	99
3) Chlorodifluoromethane	2.99	51	2617911	10.448	ppbv	100
4) Chloromethane	3.15	50	852073	10.347	ppbv	96
5) Vinyl Chloride	3.26	62	836274	10.067	ppbv	97
6) Bromomethane	3.48	94	445782	9.980	ppbv	98
7) Chloroethane	3.56	64	290565	10.644	ppbv	100
8) Dichlorotetrafluoroethane	3.20	85	1986415	10.053	ppbv	99
9) Propene	3.02	41	776359	10.168	ppbv	97
10) Heptane	8.13	43	2017149	10.505	ppbv	97
11) Trichlorofluoromethane	3.96	101	1931981	9.991	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1293999	9.998	ppbv	99
13) Ethanol	3.63	45	70559	7.247	ppbv	89
14) Bromoethene	3.75	108	567589	10.734	ppbv	99
15) Acetone	3.86	43	1314875	10.142	ppbv	98
16) 1,3-Butadiene	3.33	39	905551	10.923	ppbv	94
17) tert-Butyl alcohol	4.30	59	1068690	10.155	ppbv	98
18) 1,1-Dichloroethene	4.29	96	557591	9.913	ppbv	98
19) Isopropyl Alcohol	3.98	45	618923	9.635	ppbv	# 97
20) Methylene Chloride	4.35	84	532046	8.581	ppbv	96
21) Allyl Chloride	4.42	41	965454	10.021	ppbv	94
22) trans-1,2-Dichloroethene	4.90	96	545841	9.670	ppbv	96
23) Vinyl Acetate	5.09	43	2308336	13.089	ppbv	# 97
24) 1,1-Dichloroethane	5.02	63	1545686	12.346	ppbv	98
25) Ethyl Acetate	5.69	43	3071652	9.699	ppbv	99
26) Hexane	5.70	57	1506399	10.167	ppbv	92
27) Carbon Disulfide	4.56	76	1413936	10.986	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1572833	11.976	ppbv	99
29) Chloroform	5.76	83	2381609	10.310	ppbv	96
30) Cyclohexane	7.14	84	1259845	10.722	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	1418257	10.664	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2370753	10.093	ppbv	99
34) 2-Butanone	5.26	43	1463731	9.554	ppbv	98
35) Carbon Tetrachloride	7.03	117	2490106	10.493	ppbv	94
36) Benzene	6.90	78	3120058	10.588	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1765746	10.582	ppbv	99
38) Trichloroethene	7.84	130	1139904	10.865	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1237453m	10.482	ppbv	
40) 1,4-Dioxane	7.85	88	275566	9.666	ppbv	89
41) Tetrahydrofuran	6.06	42	633994	9.460	ppbv	97
42) Bromodichloromethane	7.80	83	2519011	10.865	ppbv	98
43) Methyl Methacrylate	8.02	69	1133235	11.786	ppbv	98

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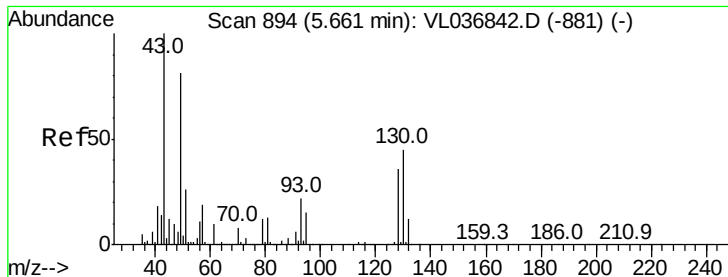
Manual Integrations
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Quant Time: May 08 07:01:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5230668	10.358	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	831887	8.026	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1147333	8.633	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1264721	10.347	ppbv	98
48) Dibromochloromethane	10.32	129	2110982	11.656	ppbv	98
49) Bromoform	13.05	173	1719669	11.894	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2162257	10.325	ppbv	99
51) 2-Hexanone	10.15	43	1119086	10.714	ppbv #	99
52) Tetrachloroethene	11.23	164	1059450	10.558	ppbv	98
53) Toluene	9.82	91	3481770	11.292	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1783175	10.334	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1439494	10.221	ppbv #	63
57) Chlorobenzene	12.16	112	2582585	9.870	ppbv	98
58) Ethyl Benzene	12.72	91	4618834	10.840	ppbv	99
59) m/p-Xylene	13.01	91	7922599m	20.803	ppbv	
60) o-Xylene	13.70	91	3754104	10.195	ppbv	100
61) Styrene	13.54	104	2018005	11.670	ppbv	100
62) Isopropylbenzene	14.68	105	5142398	10.264	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2846273	9.642	ppbv	99
64) n-propylbenzene	15.57	120	1355707	10.858	ppbv	98
65) tert-Butylbenzene	16.76	119	4468918	10.089	ppbv	99
66) Benzyl Chloride	16.99	91	324816	7.500	ppbv	98
67) sec-Butylbenzene	17.30	105	6332707	10.295	ppbv	100
69) p-Isopropyltoluene	17.66	119	5165463	10.475	ppbv	99
70) n-Butylbenzene	18.56	91	5385907	10.836	ppbv	100
71) 2-Chlorotoluene	15.46	91	4004334	10.792	ppbv	99
72) 4-Ethyltoluene	15.85	105	4405853	11.147	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	3928413	10.249	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	4099007	10.068	ppbv	93
75) 1,3-Dichlorobenzene	17.00	146	2441327	10.143	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2336452	9.920	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2388553	10.160	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1860327	9.313	ppbv	100
79) Naphthalene	22.21	128	2746279	12.044	ppbv	100
80) Naphthalene, 2-methyl-	24.99	142	258680	10.287	ppbv	92
81) 1,2,4-Trichlorobenzene	21.94	180	1711259m	11.602	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 49 Resp: 1375559

Ion Ratio Lower Upper

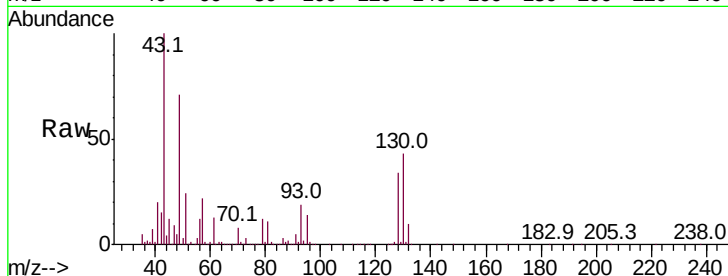
49 100

128 49.8 24.4 73.2

130 60.4 30.3 90.8

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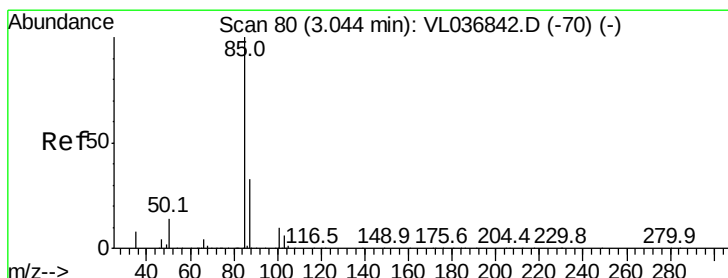
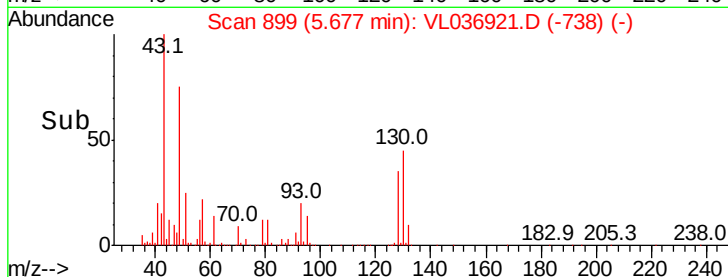
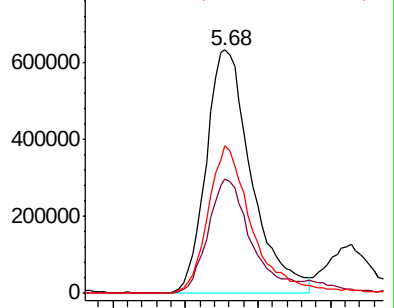
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.515 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL036921.D

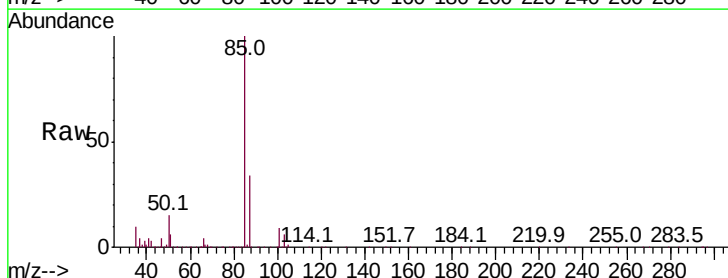
Acq: 7 May 2021 16:10

Tgt Ion: 85 Resp: 2061261

Ion Ratio Lower Upper

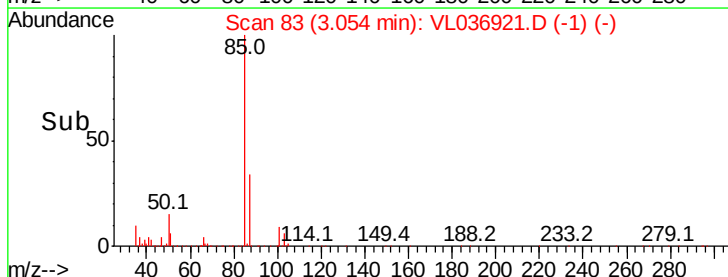
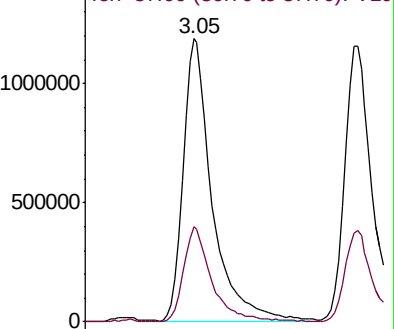
85 100

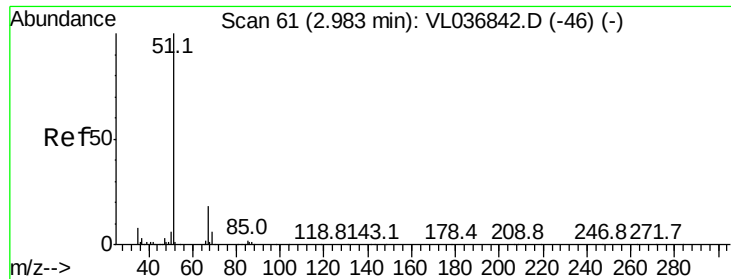
87 33.5 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.448 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Tot Ion: 51 Resp: 2617911

Ion Ratio Lower Upper

51 100

67 18.3 14.8 22.2

Instrument :

MSVOA_L

ClientSampleId :

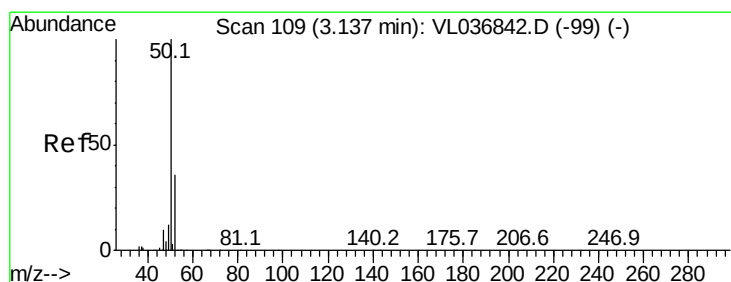
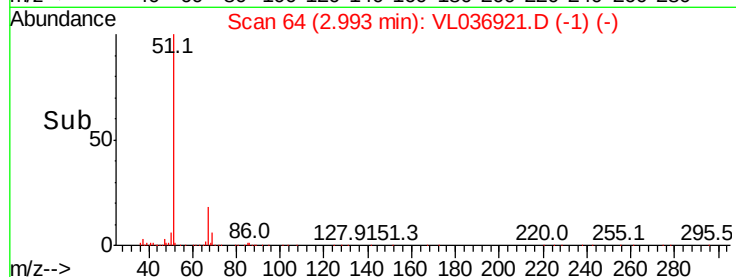
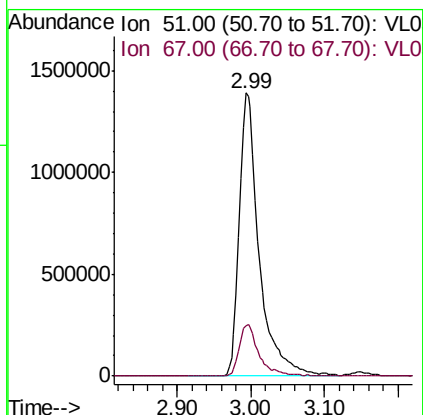
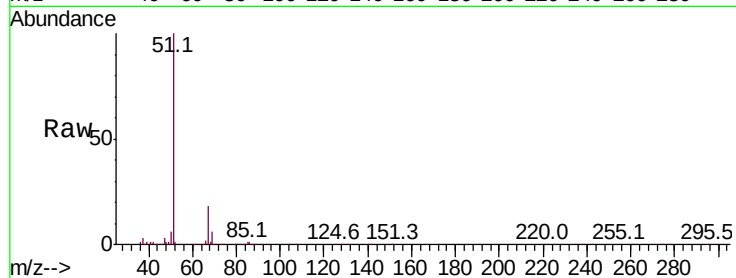
VL0507ABS01

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#4

Chloromethane

Concen: 10.347 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL036921.D

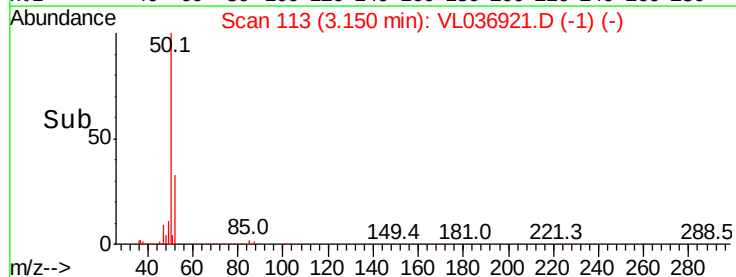
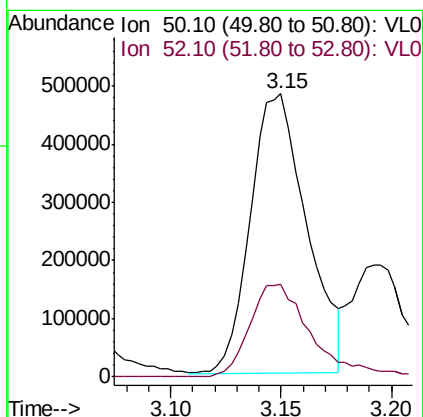
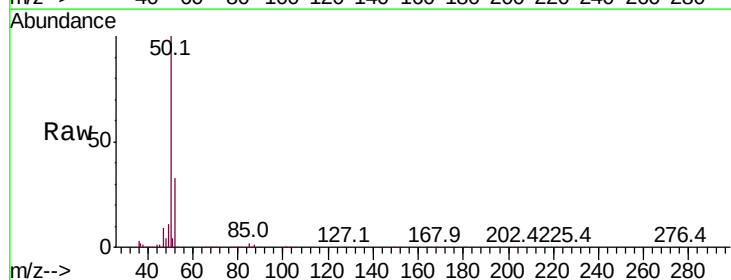
Acq: 7 May 2021 16:10

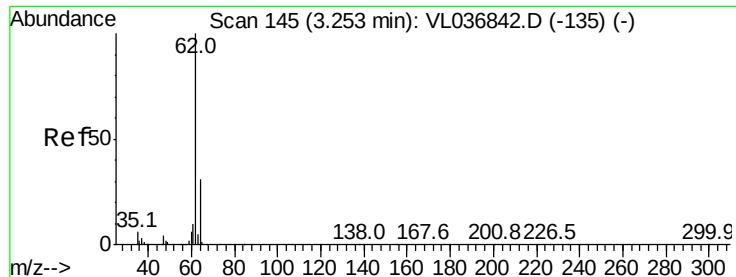
Tgt Ion: 50 Resp: 852073

Ion Ratio Lower Upper

50 100

52 33.4 28.5 42.7





#5

Vinyl Chloride

Concen: 10.067 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 62 Resp: 836274

Ion Ratio Lower Upper

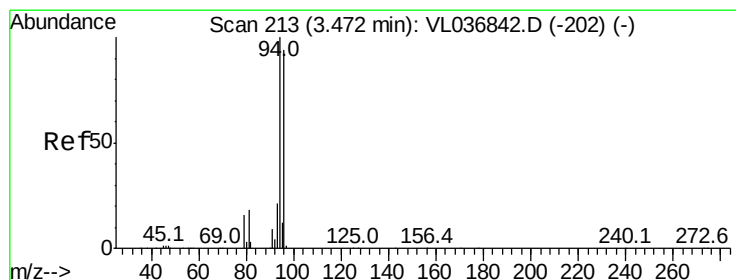
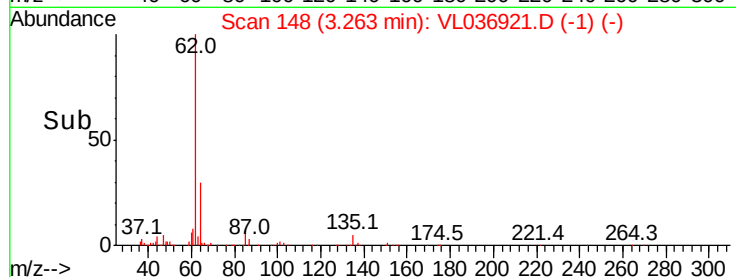
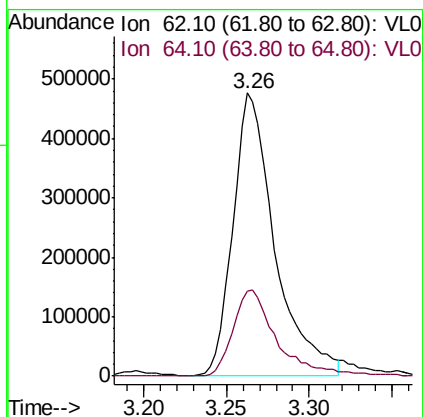
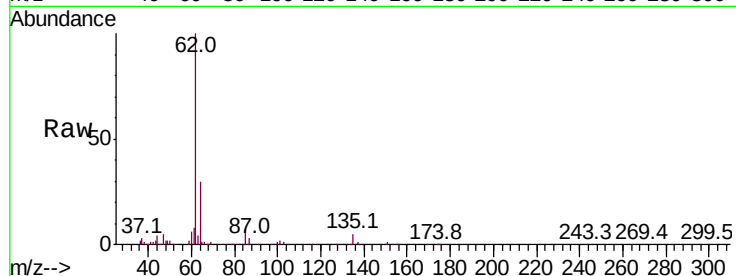
62 100

64 29.8 25.0 37.4

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#6

Bromomethane

Concen: 9.980 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036921.D

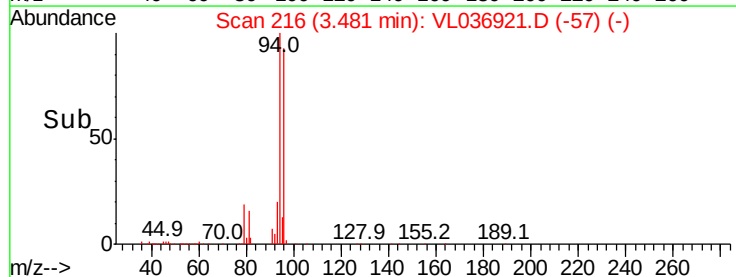
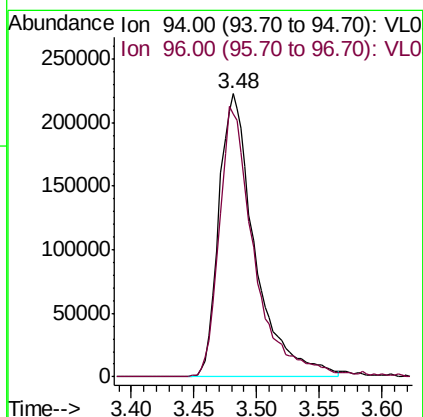
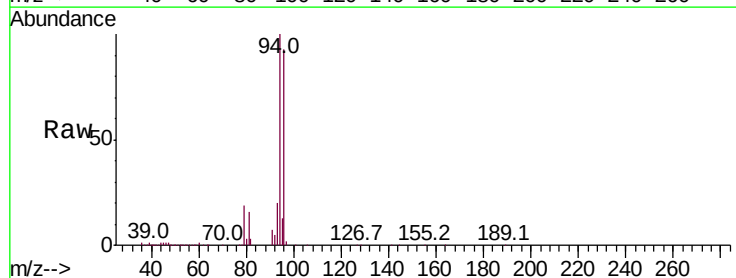
Acq: 7 May 2021 16:10

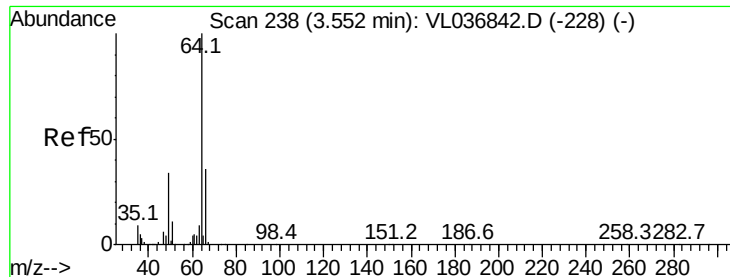
Tgt Ion: 94 Resp: 445782

Ion Ratio Lower Upper

94 100

96 92.7 75.4 113.0





#7

Chloroethane

Concen: 10.644 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 64 Resp: 290565

Ion Ratio Lower Upper

64 100

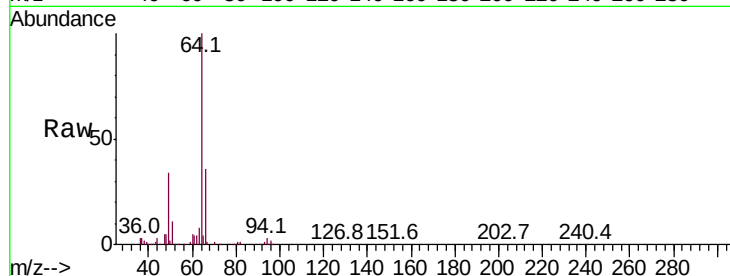
66 36.0 29.0 43.6

Manual Integrations

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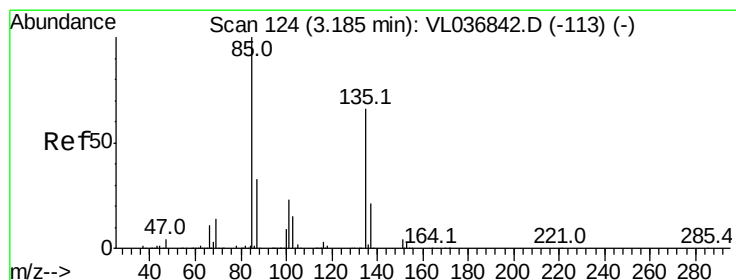
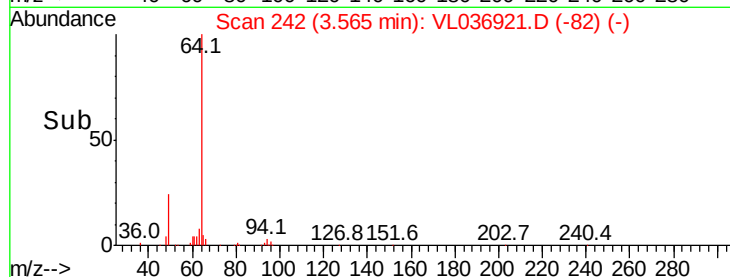
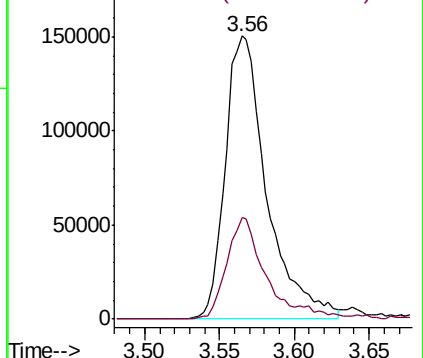
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.053 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036921.D

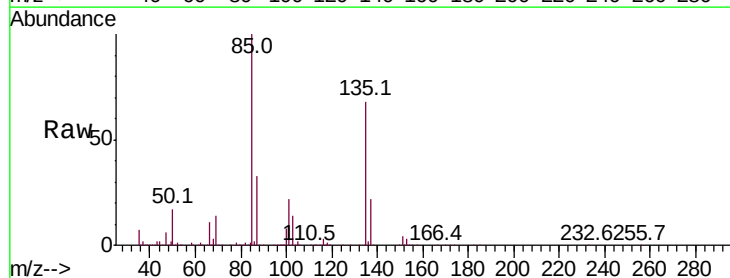
Acq: 7 May 2021 16:10

Tgt Ion: 85 Resp: 1986415

Ion Ratio Lower Upper

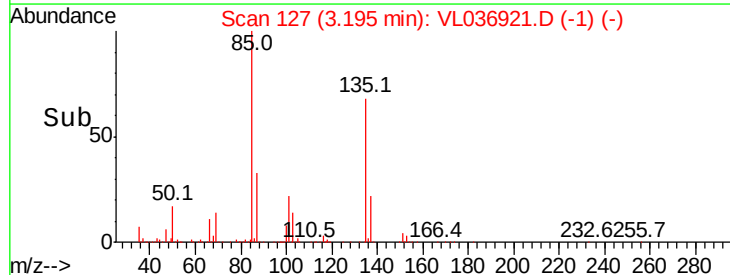
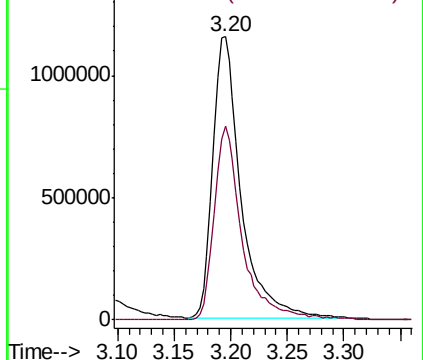
85 100

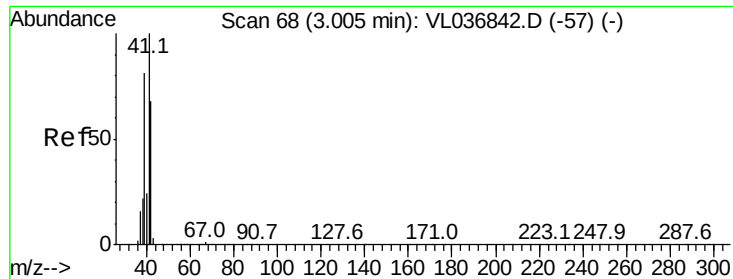
135 69.4 56.2 84.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





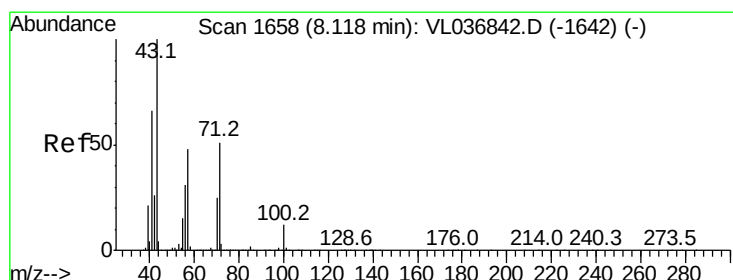
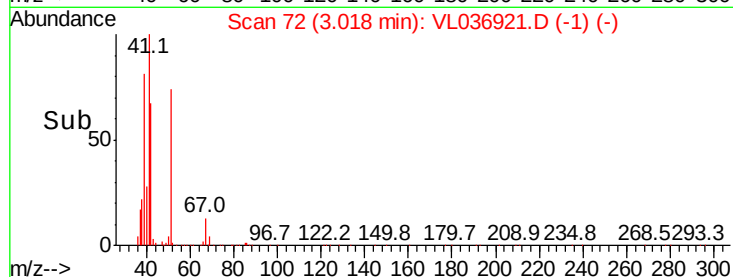
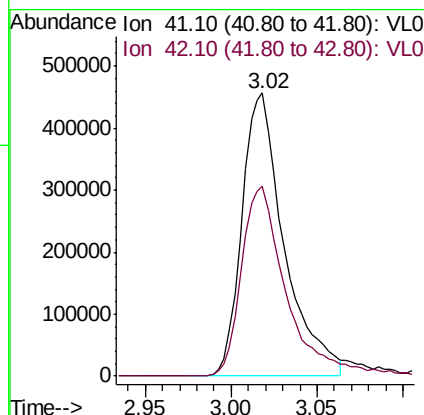
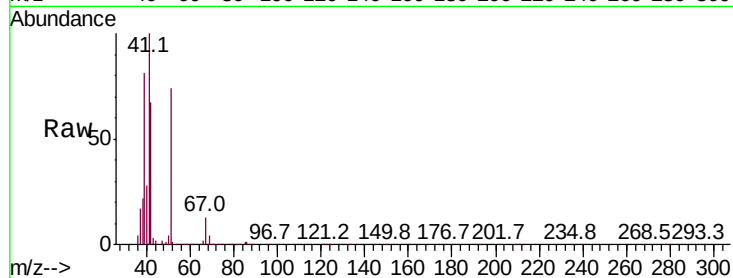
#9
 Propene
 Concen: 10.168 ppbv
 RT: 3.02 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion: 41 Resp: 776359
 Ion Ratio Lower Upper
 41 100
 42 72.1 56.0 84.0

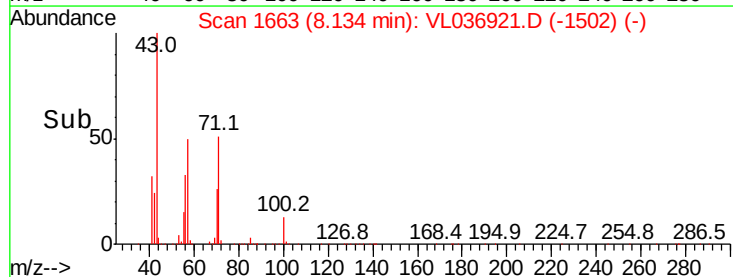
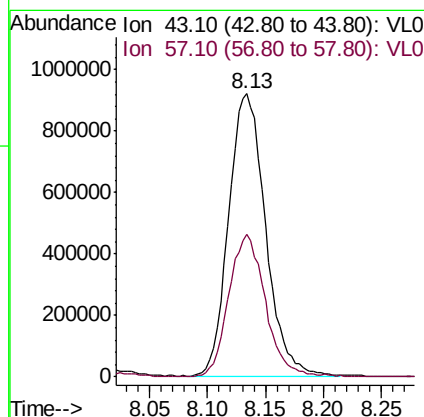
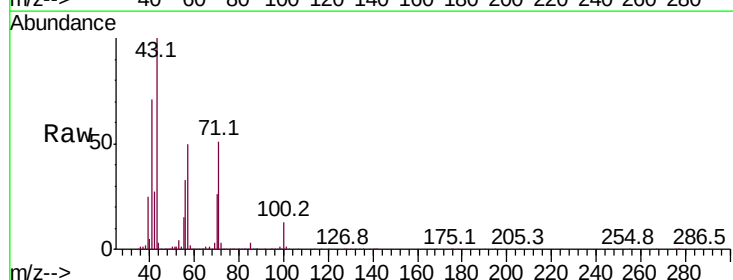
Manual Integrations
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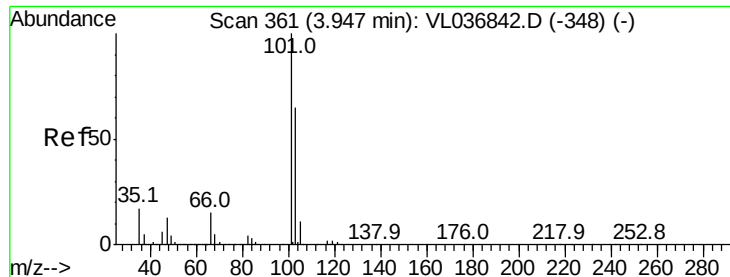
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#10
 Heptane
 Concen: 10.505 ppbv
 RT: 8.13 min Scan# 1663
 Delta R.T. 0.02 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Tgt Ion: 43 Resp: 2017149
 Ion Ratio Lower Upper
 43 100
 57 50.7 38.8 58.2





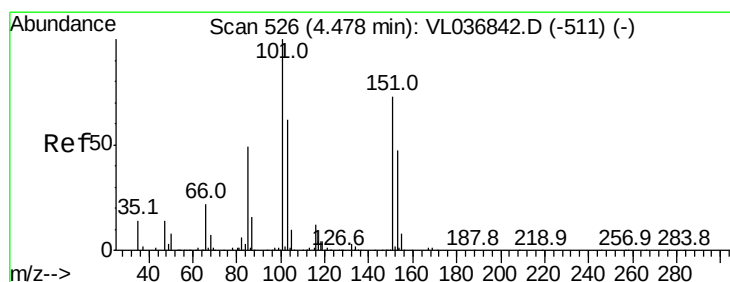
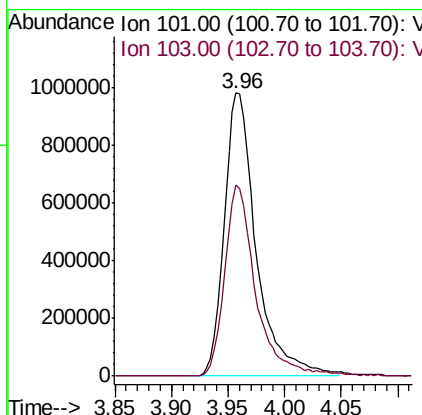
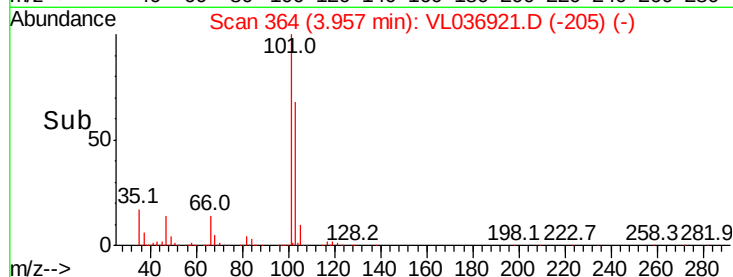
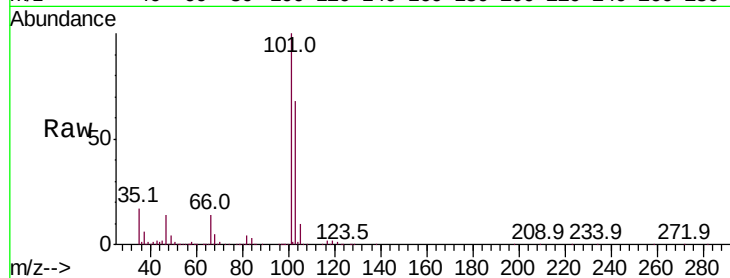
#11
 Trichlorofluoromethane
 Concen: 9.991 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion:101 Resp: 1931981
 Ion Ratio Lower Upper
 101 100
 103 67.7 51.6 77.4

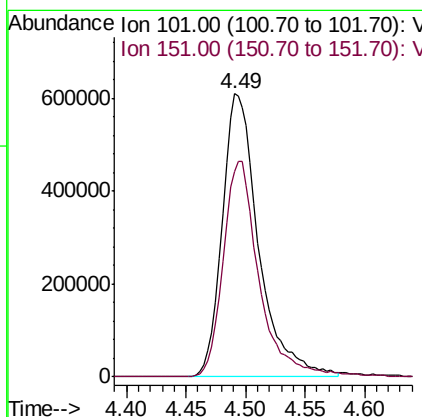
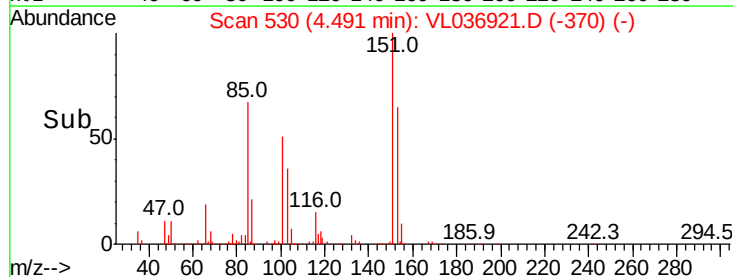
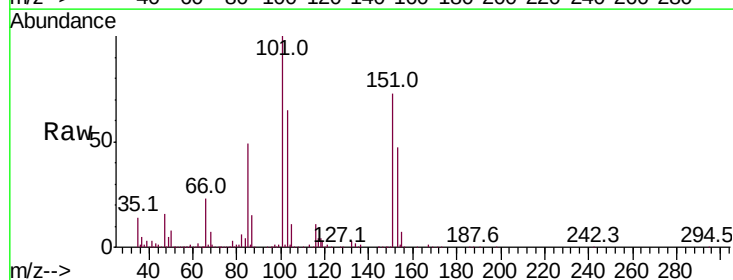
Manual Integrations
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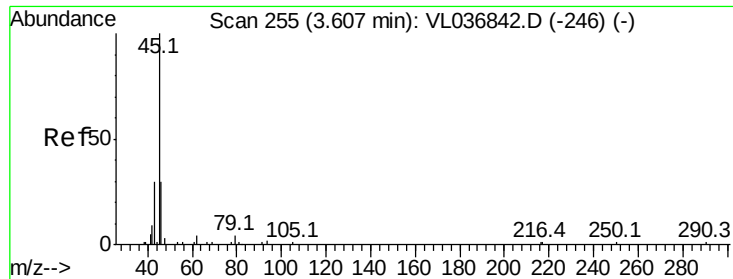
MMDadoda
 5/10/2021 3:34:40 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.998 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Tgt Ion:101 Resp: 1293999
 Ion Ratio Lower Upper
 101 100
 151 75.7 61.1 91.7





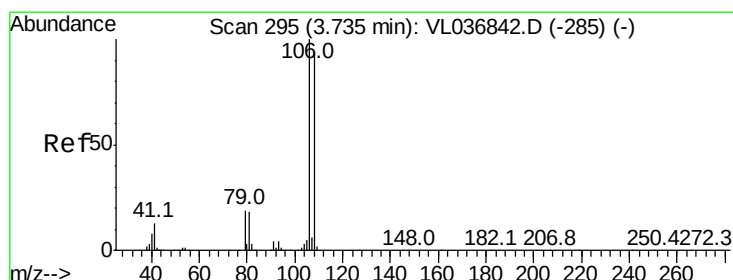
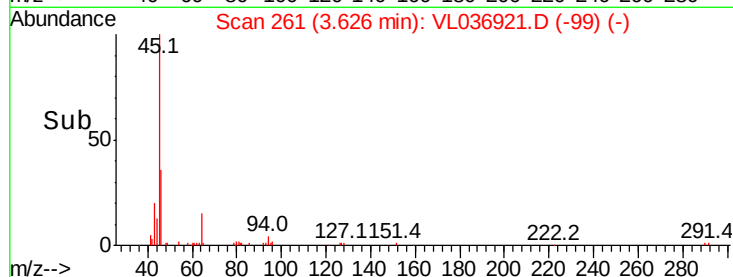
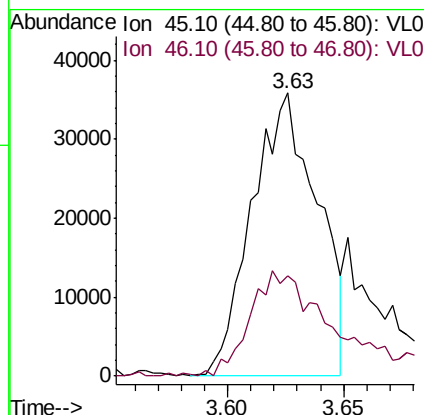
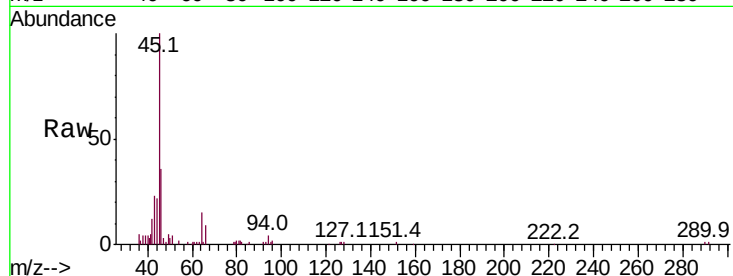
#13
Ethanol
Concen: 7.247 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	45	46	Ratio	100	49.0	Resp	70559	Lower	Upper
45	100								
46		49.0						16.8	67.4

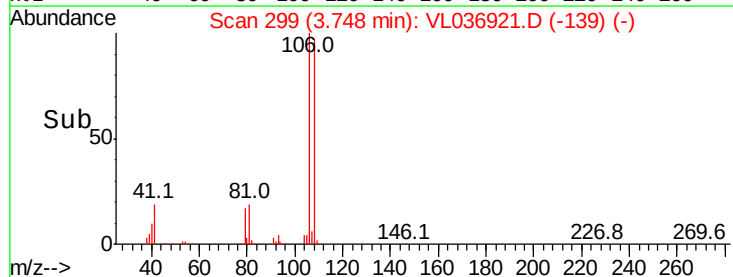
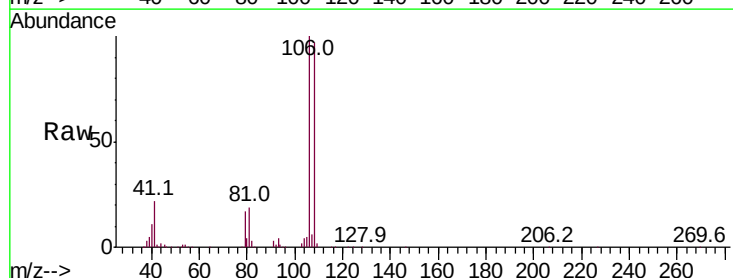
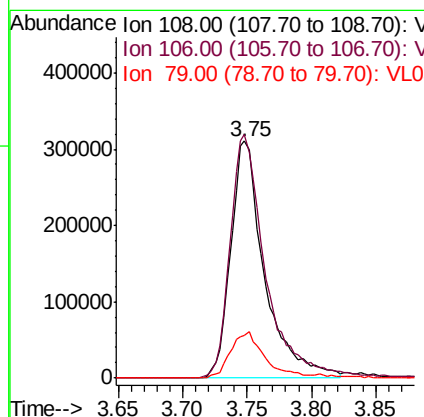
Manual Integrations
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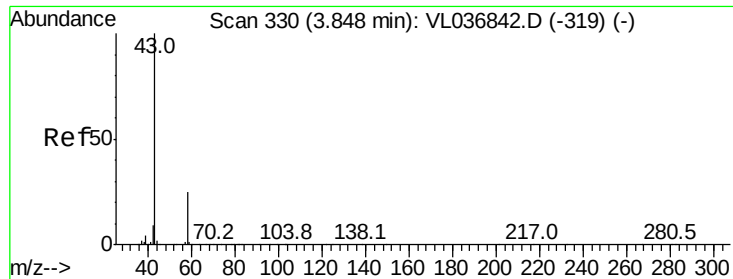
MMDadoda
5/10/2021 3:34:40 PM



#14
Bromoethene
Concen: 10.734 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion	108	106	79	Ratio	100	109.2	21.2	Resp	567589	Lower	Upper
108	100										
106		109.2								88.5	132.7
79			21.2							17.9	26.9





#15

Acetone

Concen: 10.142 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 43 Resp: 1314875

Ion Ratio Lower Upper

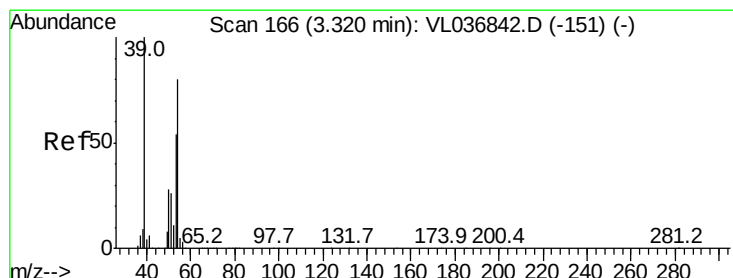
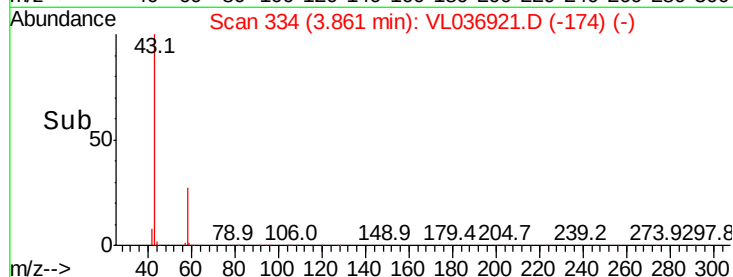
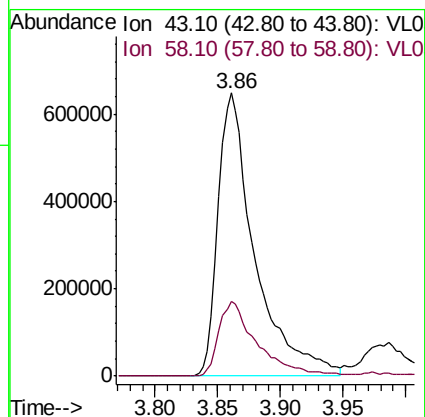
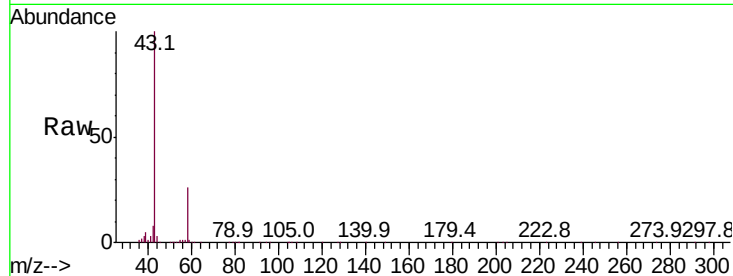
43 100

58 28.0 21.7 32.5

Manual Integrations
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5/10/2021 3:34:40 PM



#16

1,3-Butadiene

Concen: 10.923 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.01 min

Lab File: VL036921.D

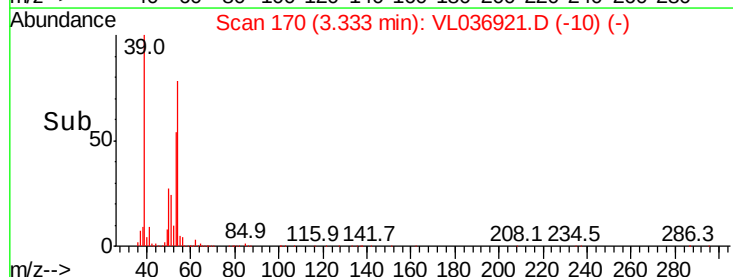
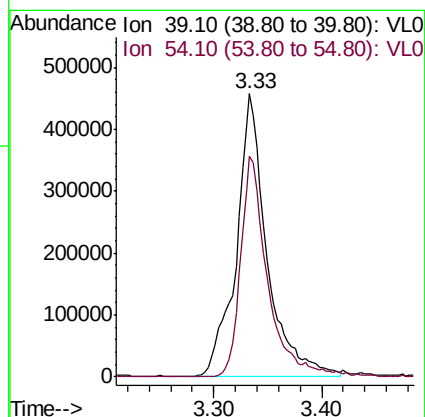
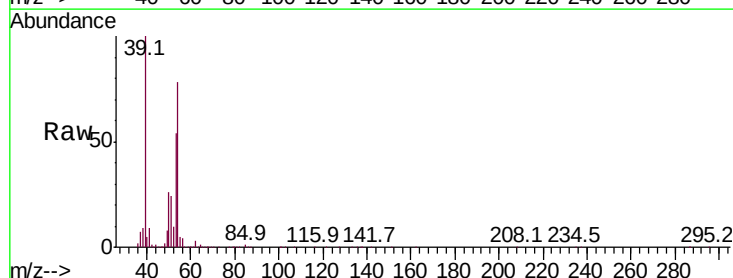
Acq: 7 May 2021 16:10

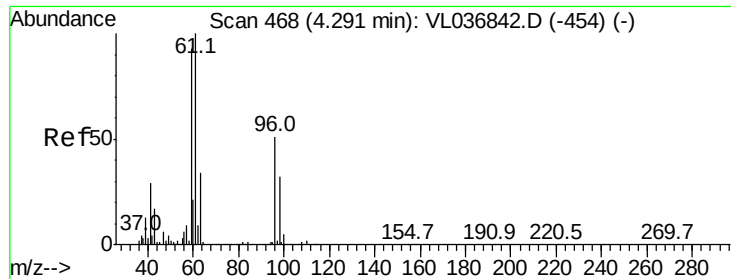
Tgt Ion: 39 Resp: 905551

Ion Ratio Lower Upper

39 100

54 69.5 59.6 89.4





#17

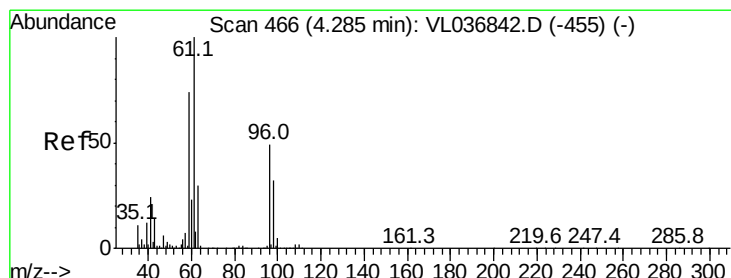
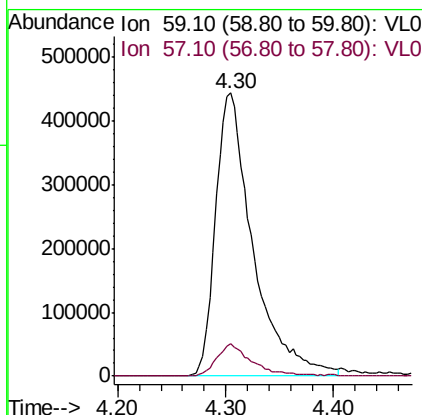
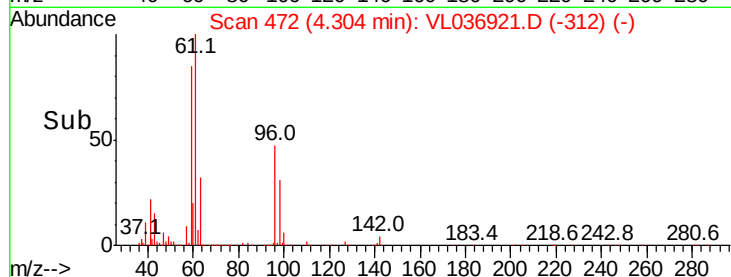
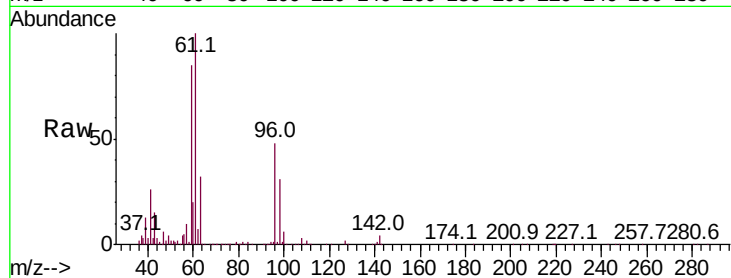
tert-Butyl alcohol
Concen: 10.155 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 59 Resp: 1068690
Ion Ratio Lower Upper
59 100
57 11.1 8.3 12.5

Manual Integrations
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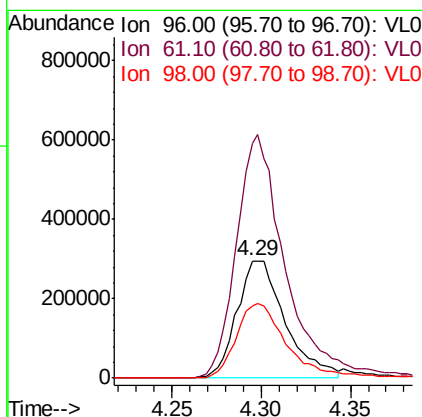
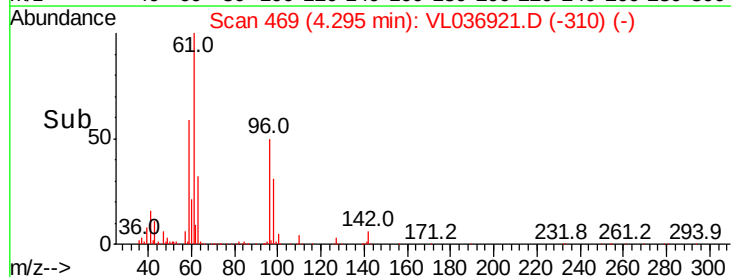
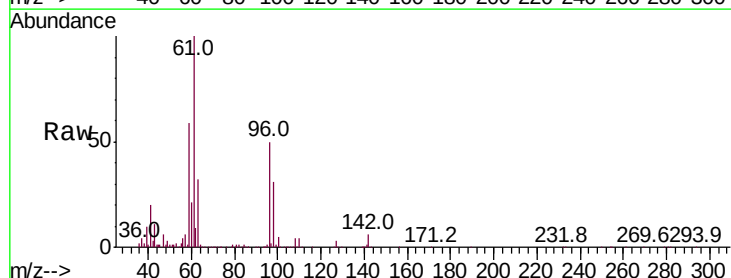
MMDadoda
5/10/2021 3:34:40 PM

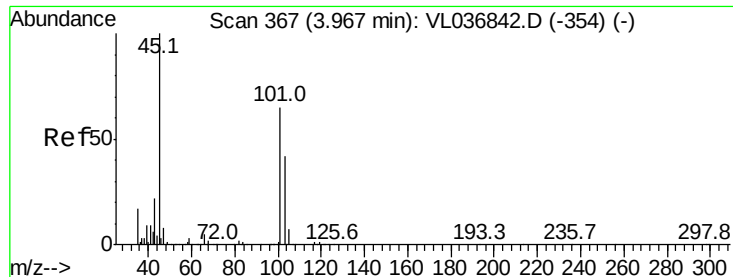


#18

1,1-Dichloroethene
Concen: 9.913 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion: 96 Resp: 557591
Ion Ratio Lower Upper
96 100
61 200.4 162.2 243.2
98 61.7 51.8 77.6





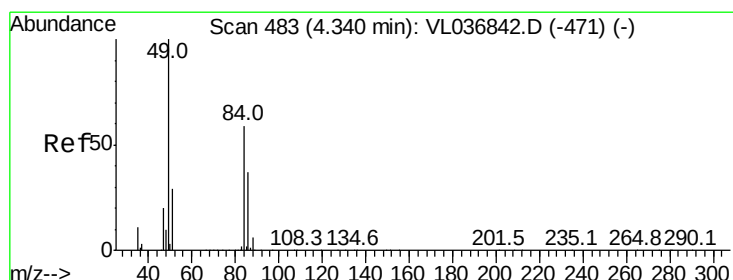
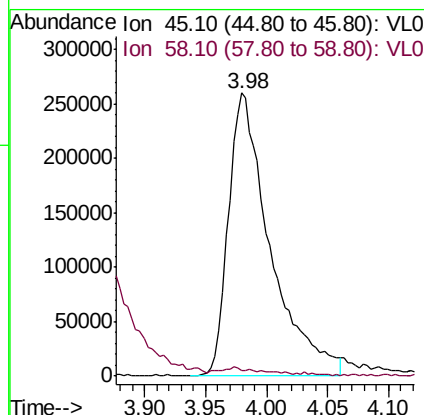
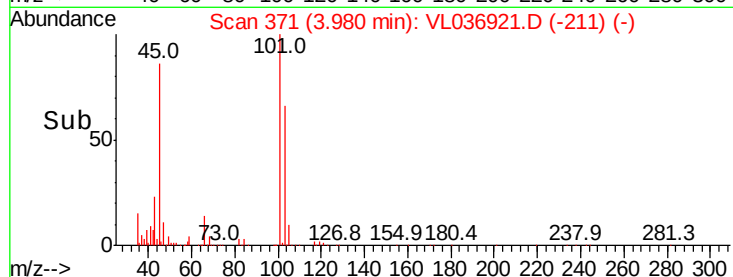
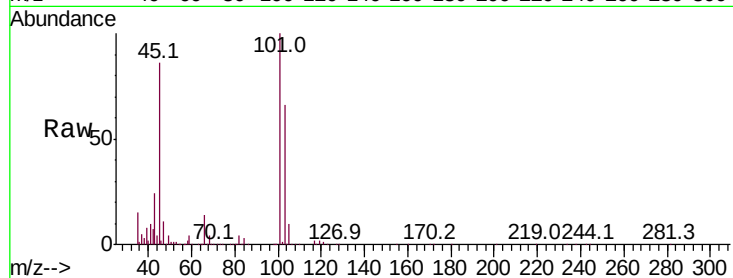
#19
Isopropyl Alcohol
Concen: 9.635 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampled :
VL0507ABS01

Tot Ion: 45 Resp: 618923
Ion Ratio Lower Upper
45 100
58 2.6 2.8 4.2#

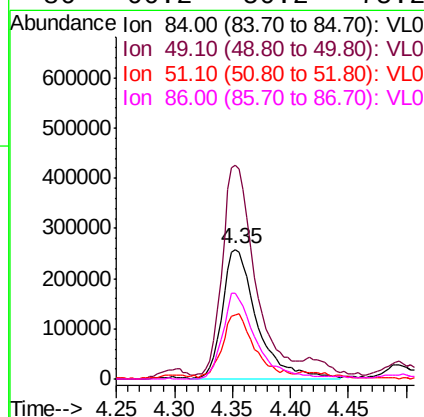
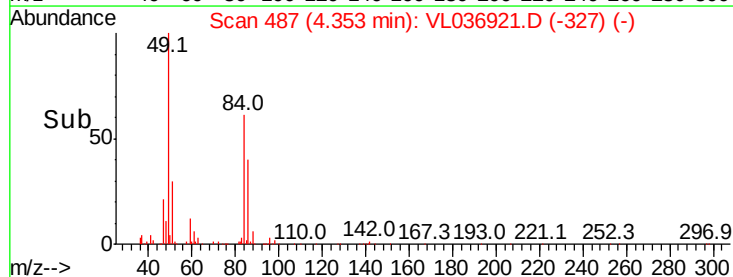
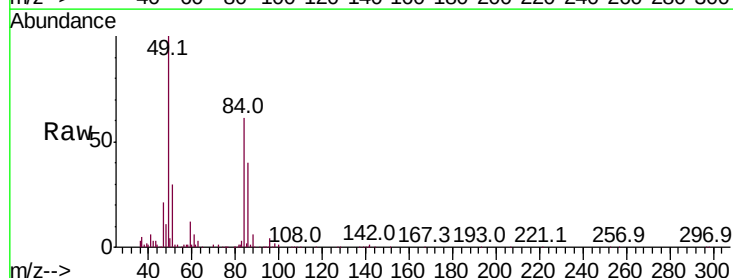
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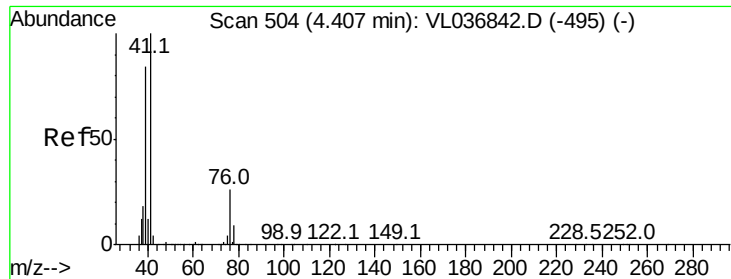
MMDadoda
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#20
Methylene Chloride
Concen: 8.581 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion: 84 Resp: 532046
Ion Ratio Lower Upper
84 100
49 163.0 135.4 203.0
51 47.4 39.3 58.9
86 66.2 50.2 75.2





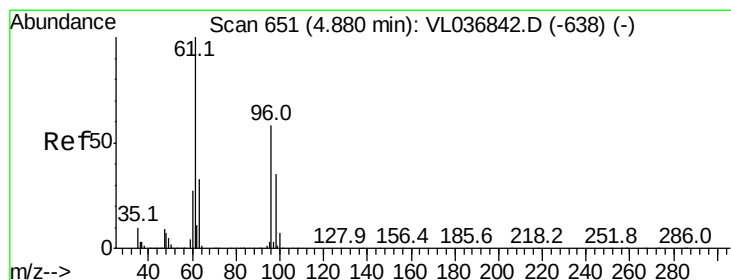
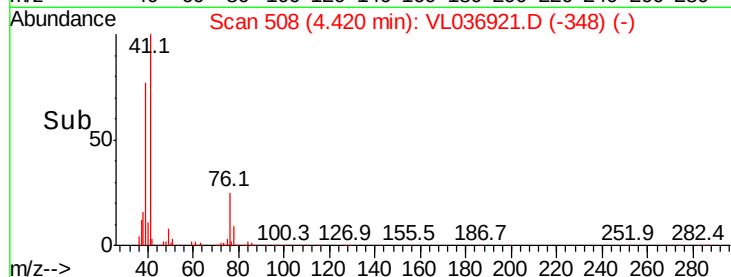
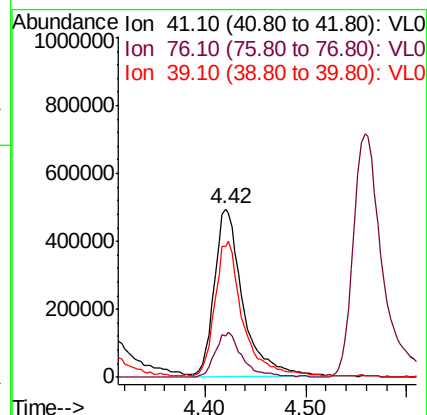
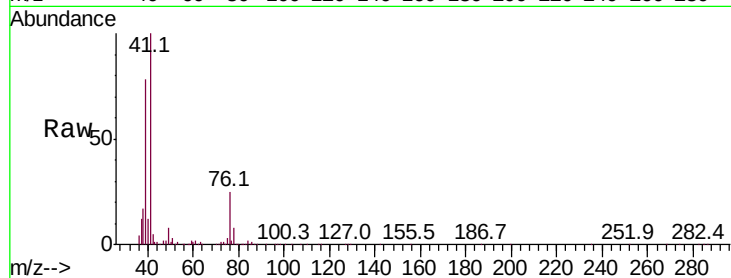
#21
Allvl Chloride
Concen: 10.021 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	965454		
76	26.2		22.4	33.6
39	79.1		68.4	102.6

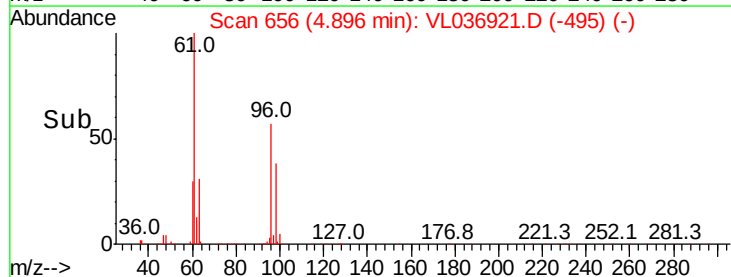
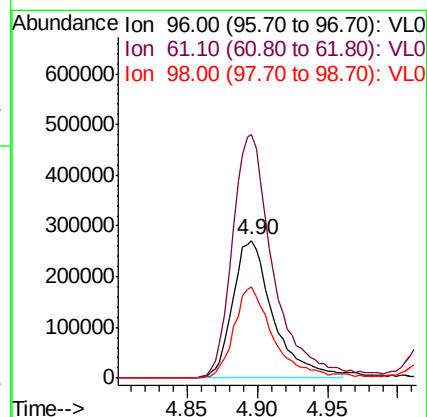
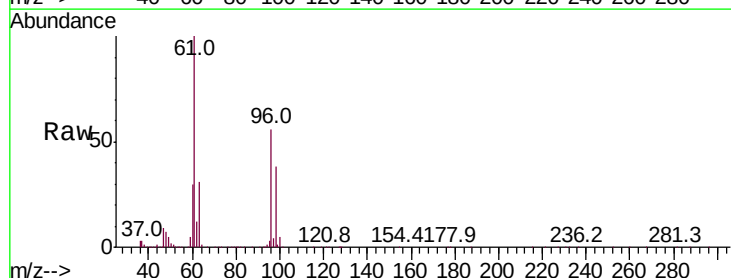
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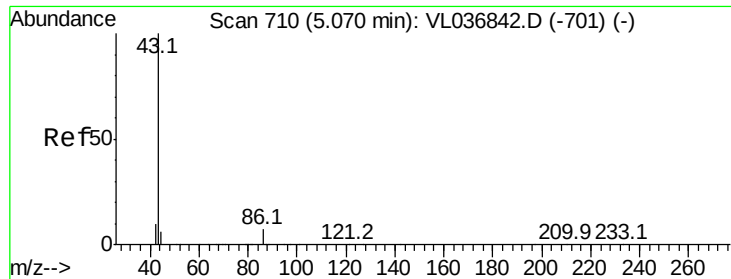
MMDadoda
5/10/2021 3:34:40 PM



#22
trans-1,2-Dichloroethene
Concen: 9.670 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	545841		
61	177.2		138.6	207.8
98	66.6		48.1	72.1





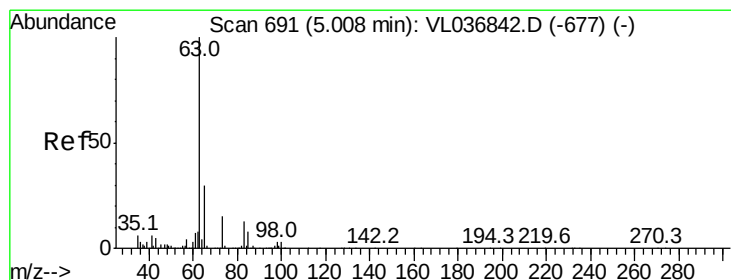
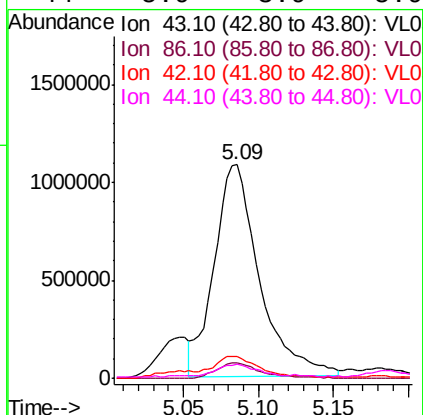
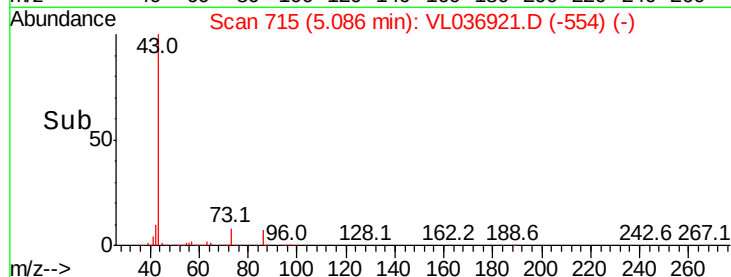
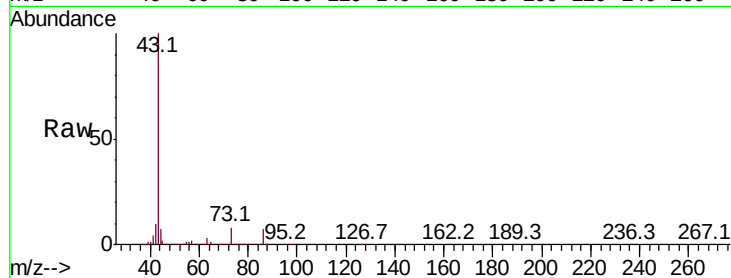
#23
 Vinyl Acetate
 Concen: 13.089 ppbv
 RT: 5.09 min Scan# 715
 Delta R.T. 0.02 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion	43	Resp	2308336
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.3	7.9
42	9.9	8.7	13.1
44	5.9	3.9	5.9#

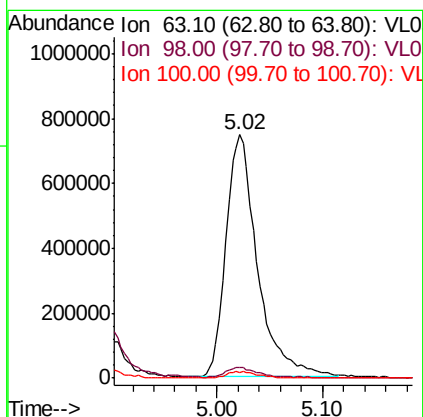
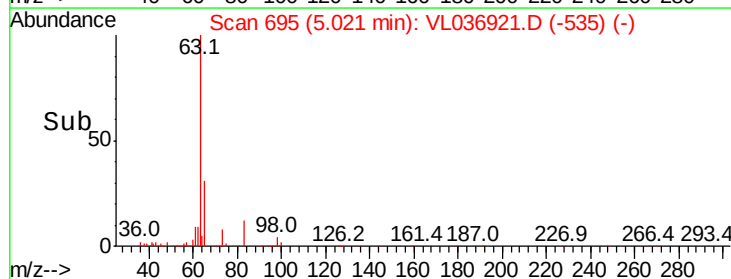
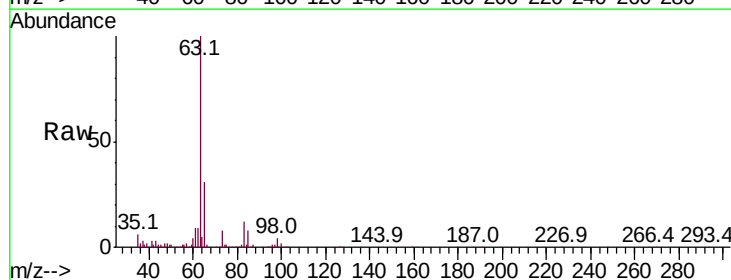
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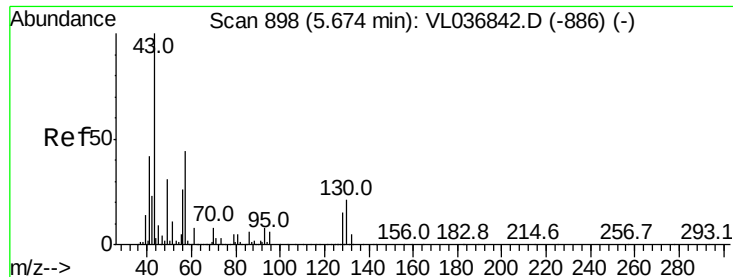
MMDadoda
 5/10/2021 3:34:40 PM



#24
 1,1-Dichloroethane
 Concen: 12.346 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Tgt Ion	63	Resp	1545686
Ion	Ratio	Lower	Upper
63	100		
98	4.3	1.7	5.1
100	2.1	1.3	3.8





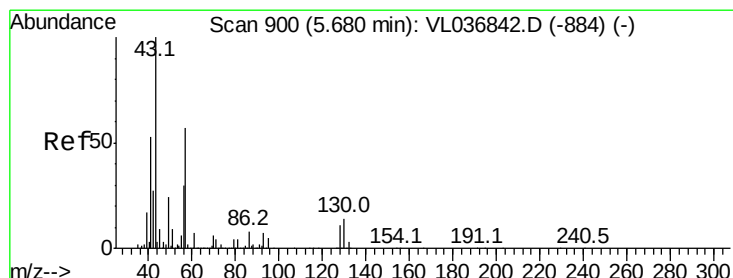
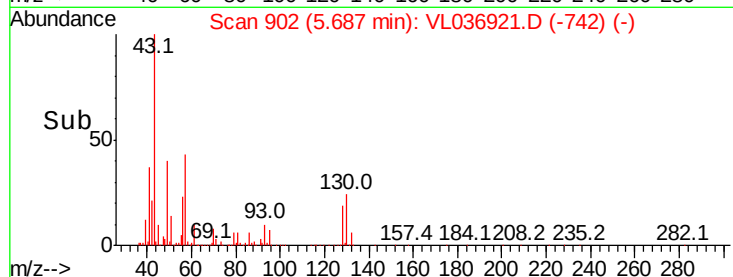
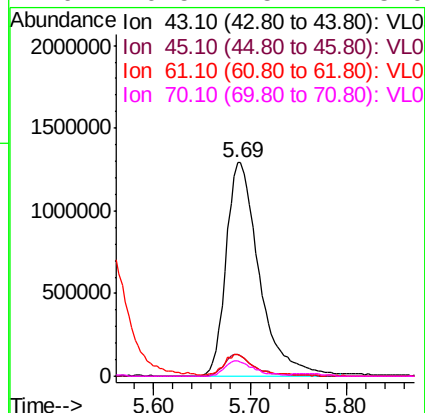
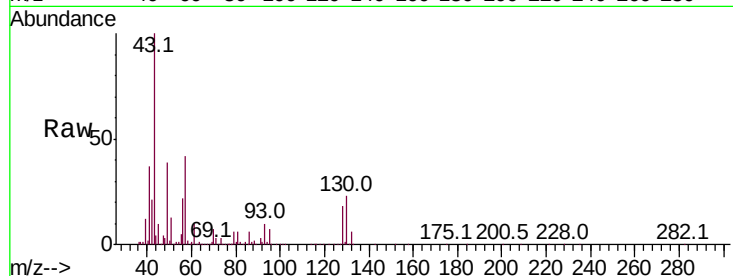
#25
Ethyl Acetate
Concen: 9.699 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.8	11.8
61	9.3	7.4	11.0
70	6.5	5.4	8.0

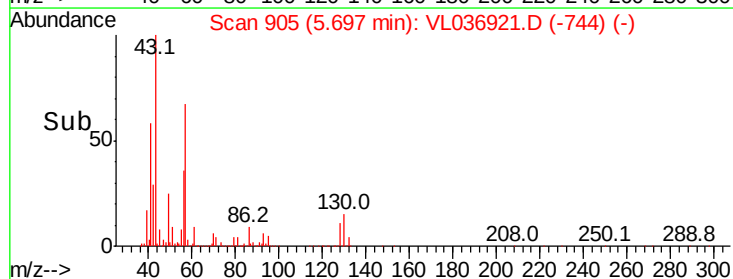
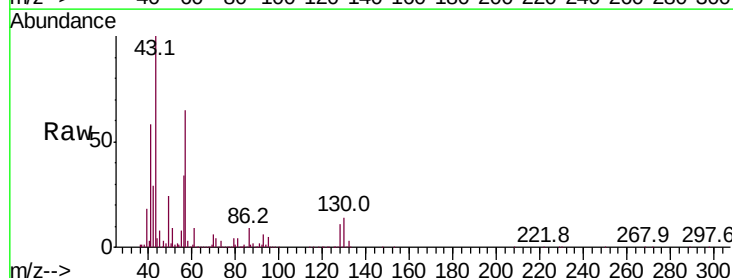
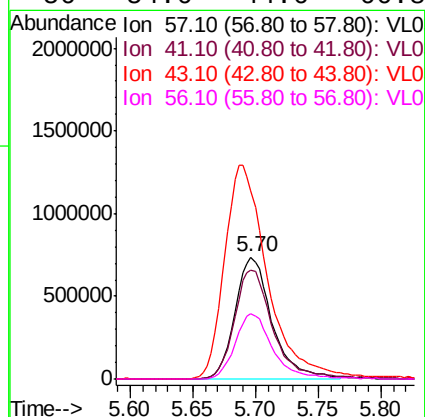
Manual Integrations
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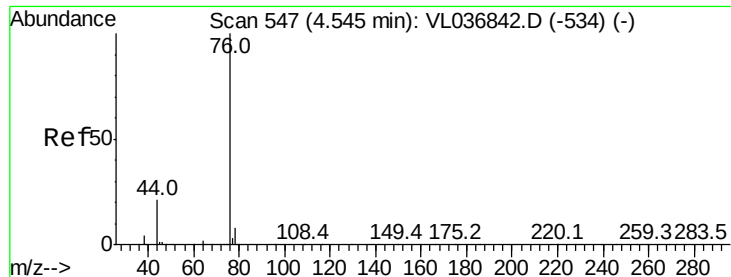
MMDadoda
5/10/2021 3:34:40 PM



#26
Hexane
Concen: 10.167 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion	Ratio	Lower	Upper
57	100		
41	94.5	77.7	116.5
43	205.8	180.5	270.7
56	54.6	44.6	66.8





#27

Carbon Disulfide

Concen: 10.986 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

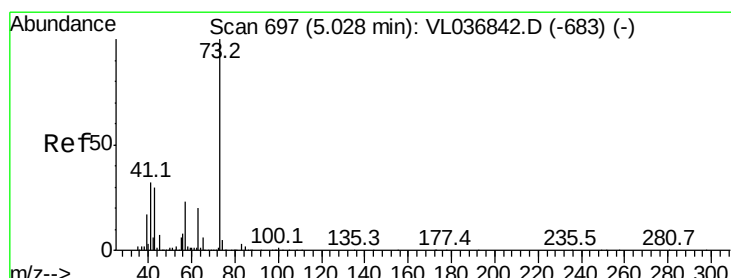
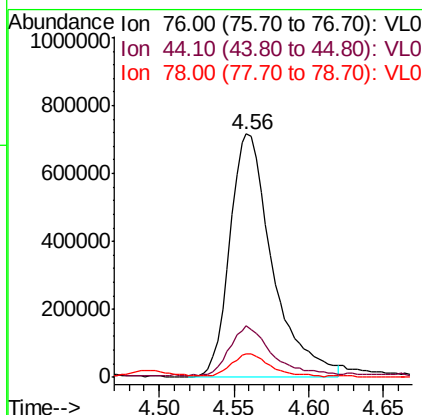
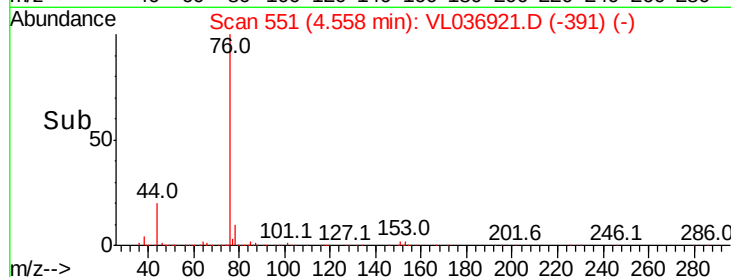
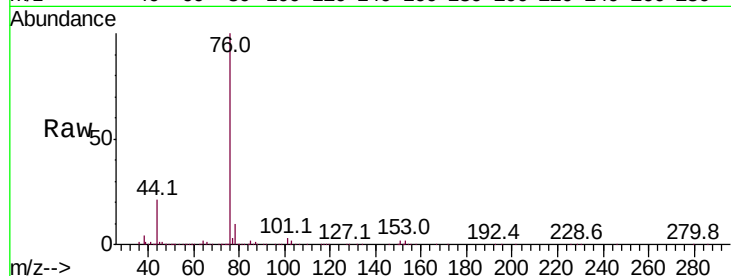
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 76 Resp: 1413936

Ion	Ratio	Lower	Upper
76	100		
44	22.5	16.9	25.3
78	9.4	7.9	11.9

Manual Integrations
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5/10/2021 3:34:40 PM



#28

Methyl tert-Butyl Ether

Concen: 11.976 ppbv

RT: 5.04 min Scan# 702

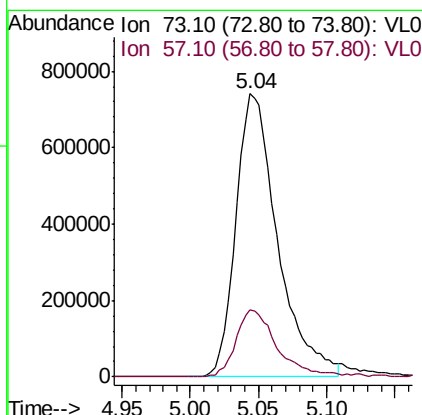
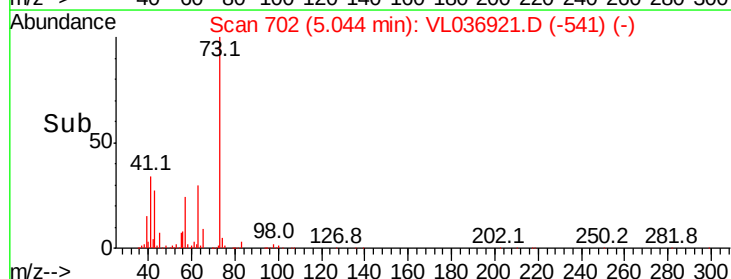
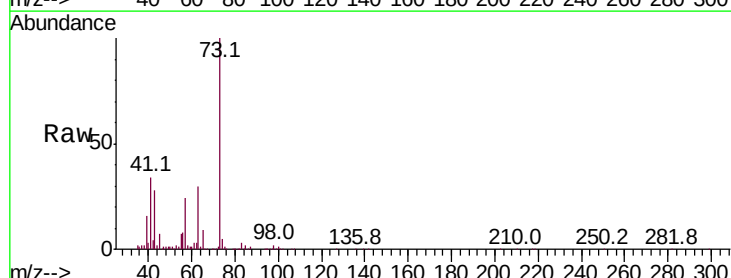
Delta R.T. 0.02 min

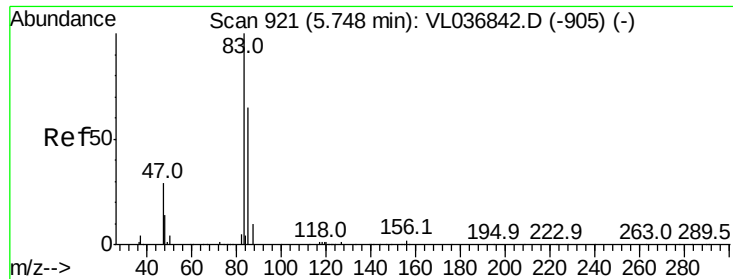
Lab File: VL036921.D

Acq: 7 May 2021 16:10

Tgt Ion: 73 Resp: 1572833

Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.0	28.6





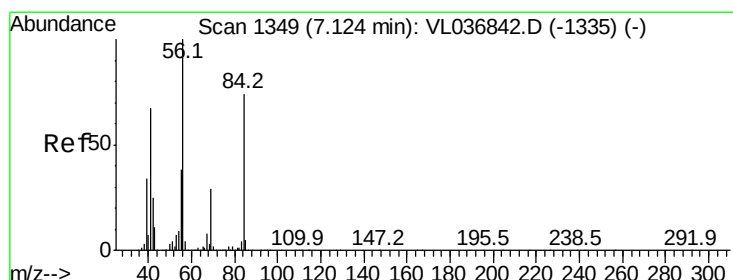
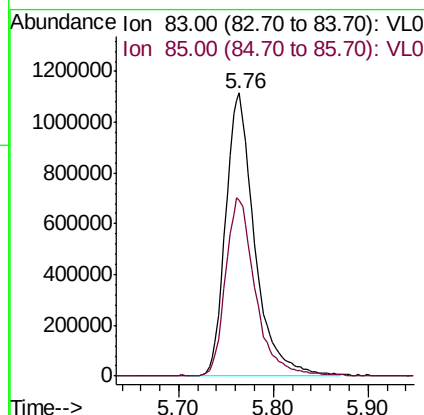
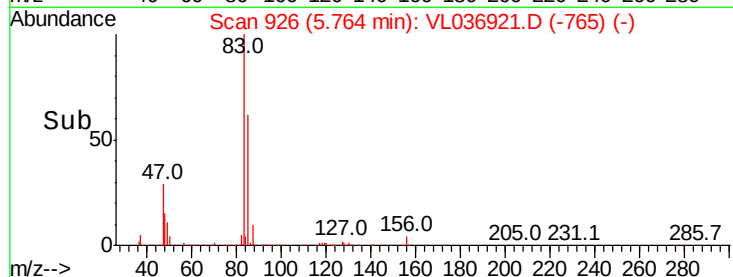
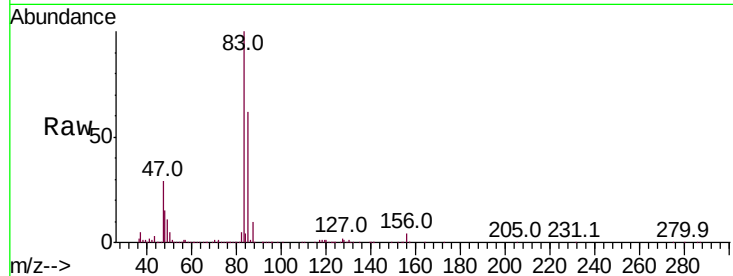
#29
Chloroform
Concen: 10.310 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 83 Resp: 2381609
Ion Ratio Lower Upper
83 100
85 61.9 52.2 78.4

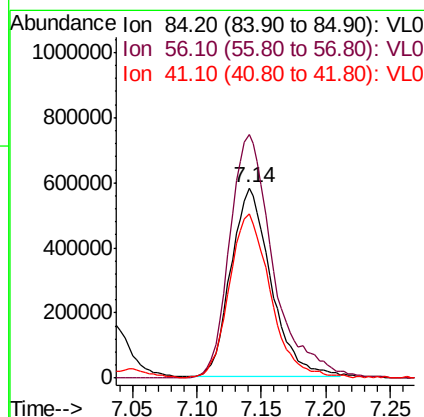
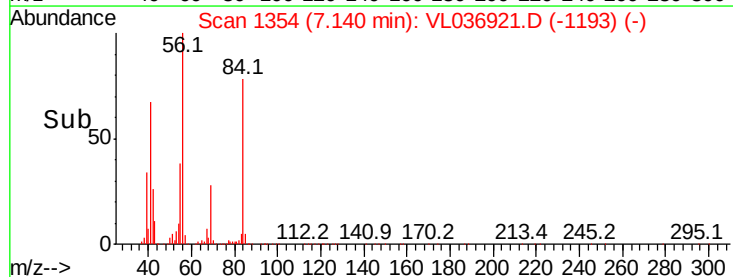
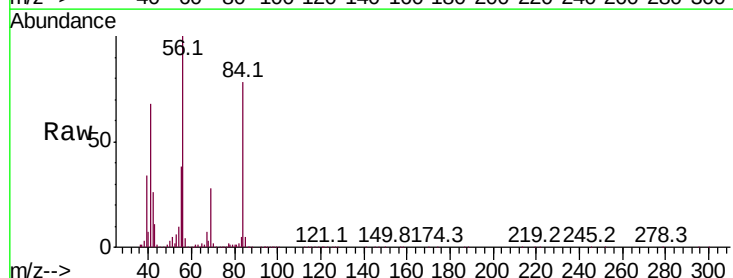
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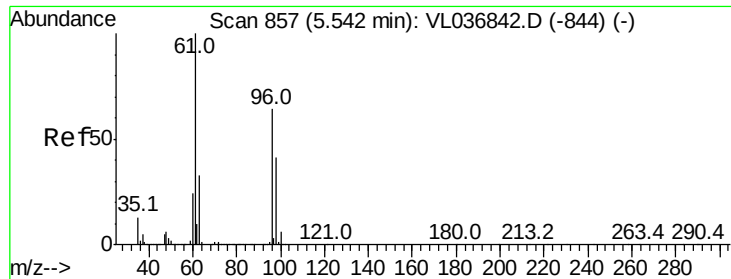
MMDadoda
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#30
Cyclohexane
Concen: 10.722 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion: 84 Resp: 1259845
Ion Ratio Lower Upper
84 100
56 140.0 115.8 173.6
41 88.3 74.6 111.8





#31

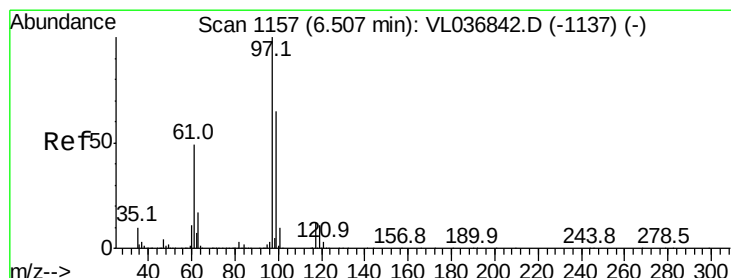
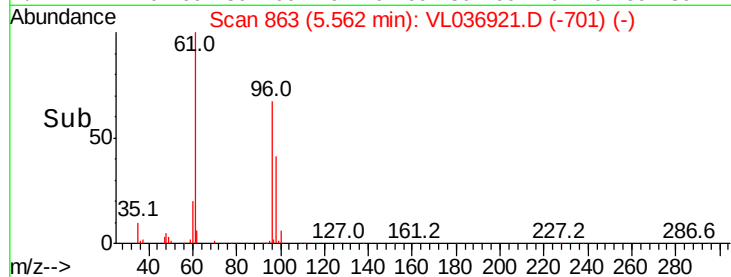
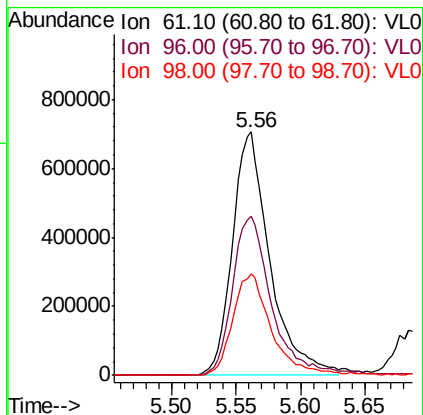
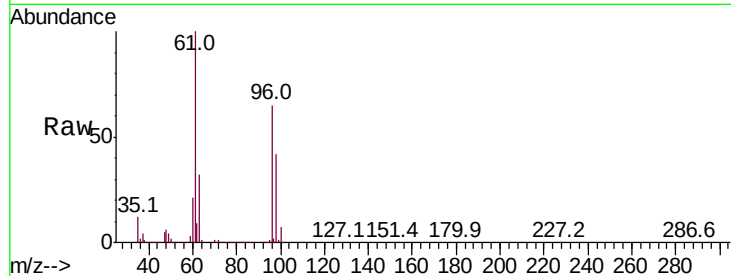
cis-1,2-Dichloroethene
Concen: 10.664 ppbv
RT: 5.56 min Scan# 863
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 61 Resp: 1418257
Ion Ratio Lower Upper
61 100
96 65.2 51.0 76.6
98 41.7 32.7 49.1

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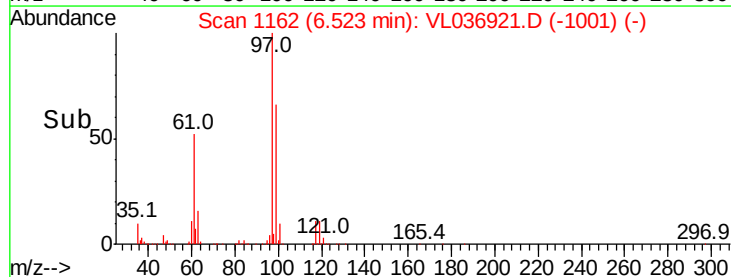
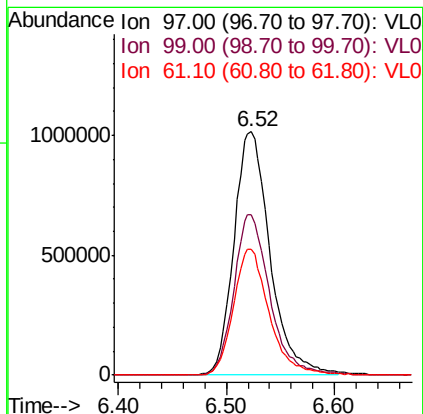
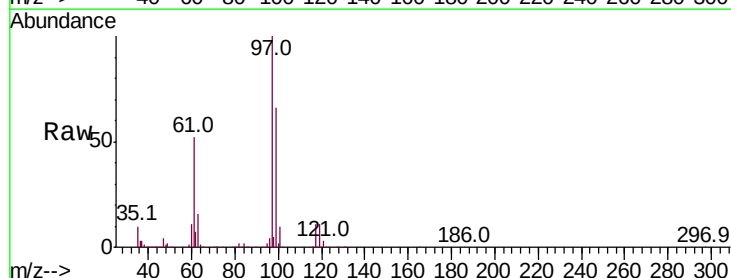
MMDadoda
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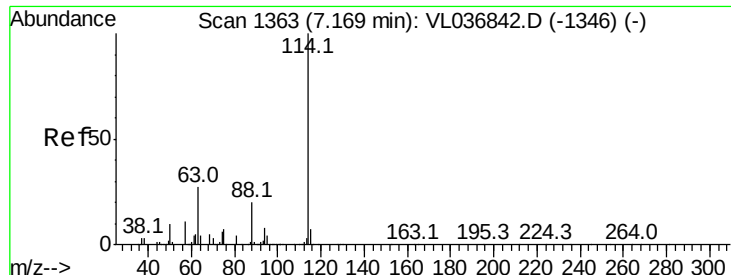


#32

1,1,1-Trichloroethane
Concen: 10.093 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion: 97 Resp: 2370753
Ion Ratio Lower Upper
97 100
99 65.6 51.8 77.6
61 51.7 40.8 61.2





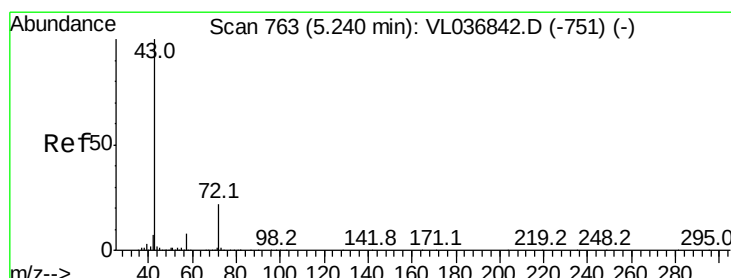
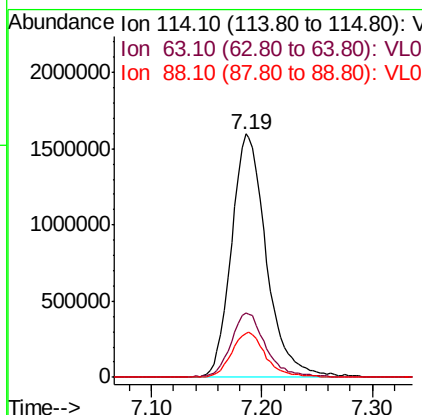
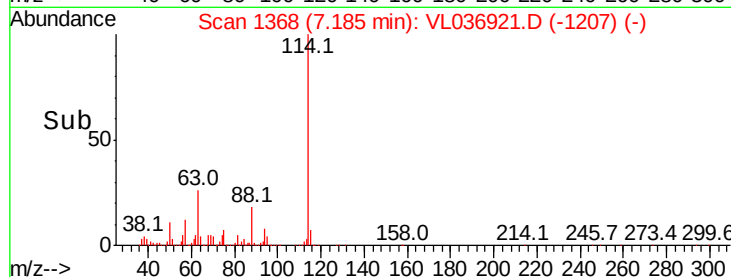
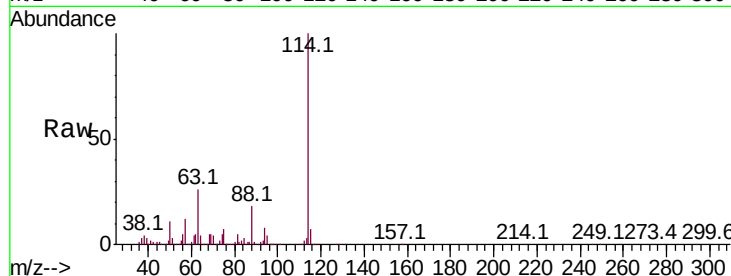
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.02 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.9	32.9
88	18.2	15.1	22.7

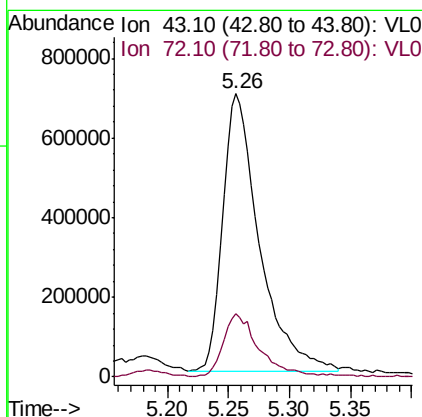
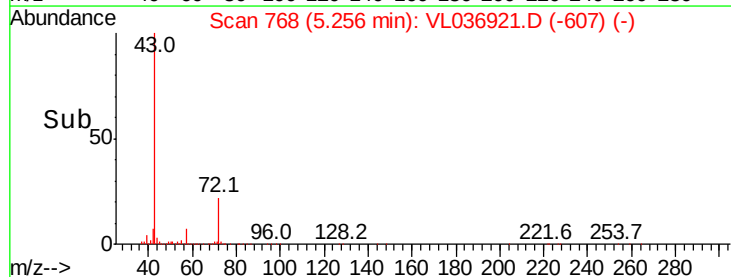
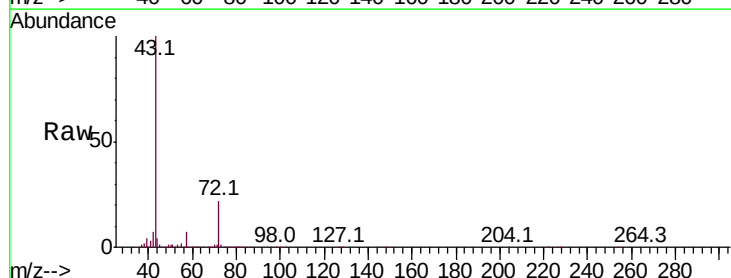
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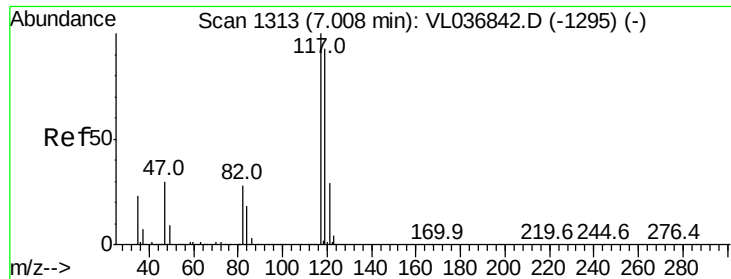
MMDadoda
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#34
 2-Butanone
 Concen: 9.554 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.02 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.8	17.6	26.4





#35

Carbon Tetrachloride

Concen: 10.493 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion:117 Resp: 2490106

Ion Ratio Lower Upper

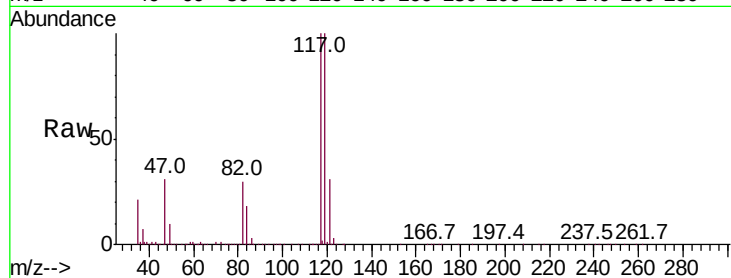
117 100

119 100.0 74.6 111.8

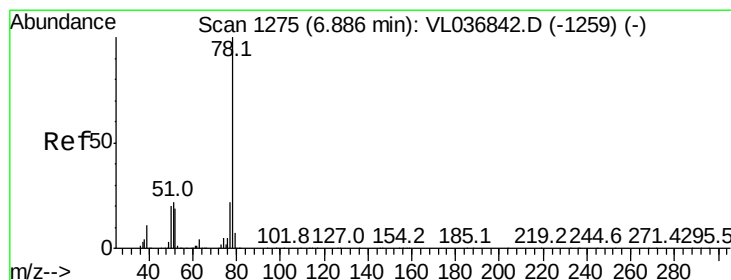
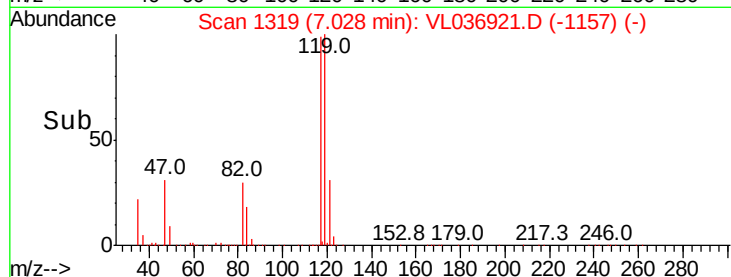
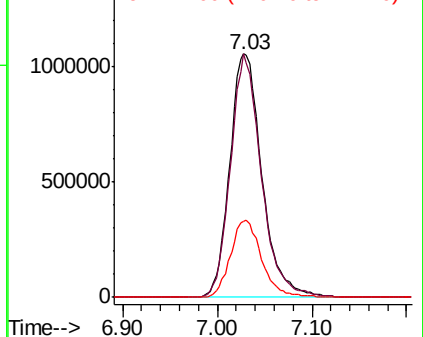
121 31.4 23.3 34.9

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.588 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

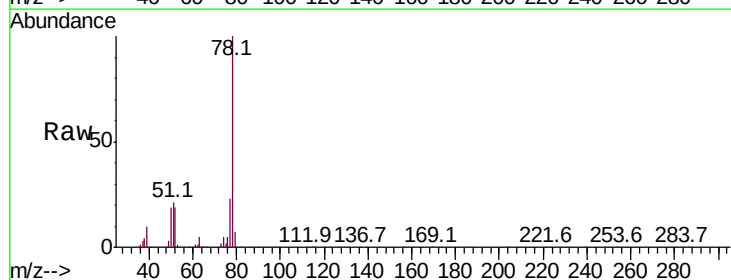
Tgt Ion: 78 Resp: 3120058

Ion Ratio Lower Upper

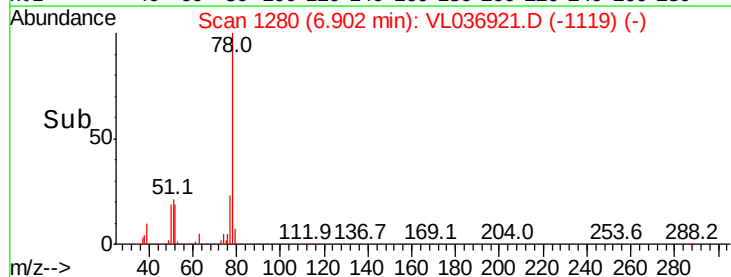
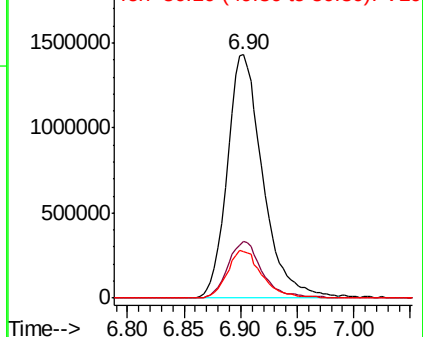
78 100

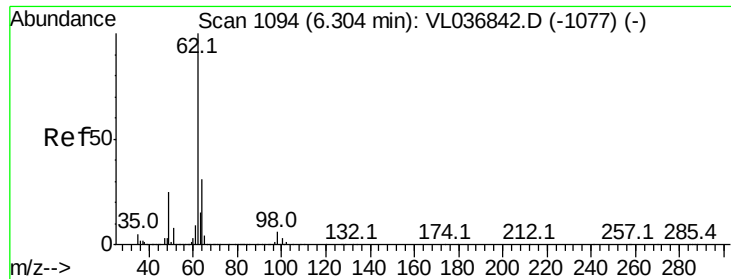
77 23.0 17.6 26.4

50 19.4 16.3 24.5



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.582 ppbv

RT: 6.32 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :
MSVOA_L

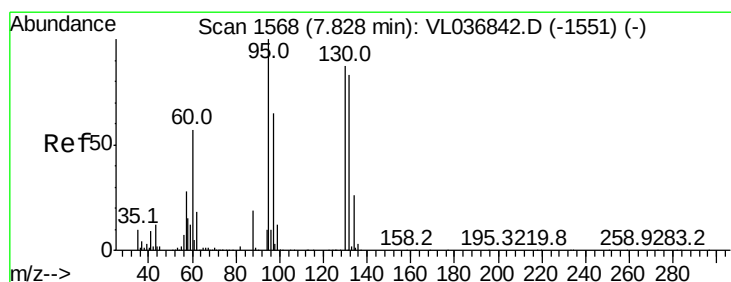
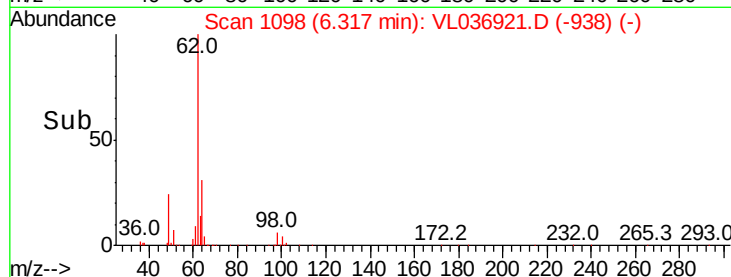
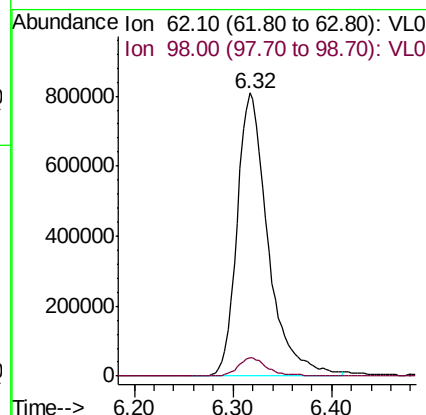
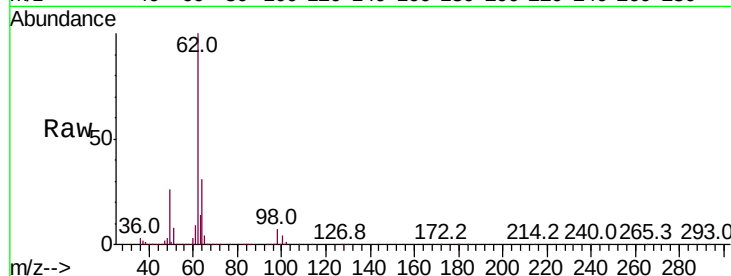
ClientSampleId :
VL0507ABS01

Tot Ion: 62 Resp: 1765746

Ion	Ratio	Lower	Upper
62	100		
98	6.5	4.8	7.2

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#38

Trichloroethene

Concen: 10.865 ppbv

RT: 7.84 min Scan# 1573

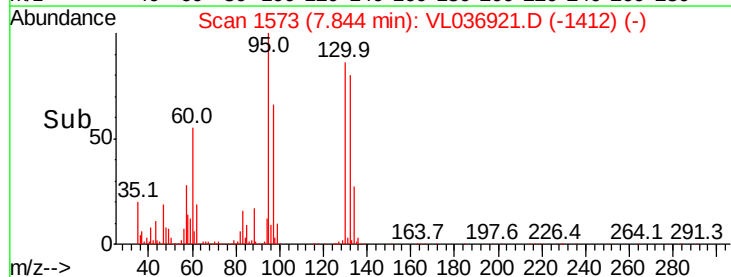
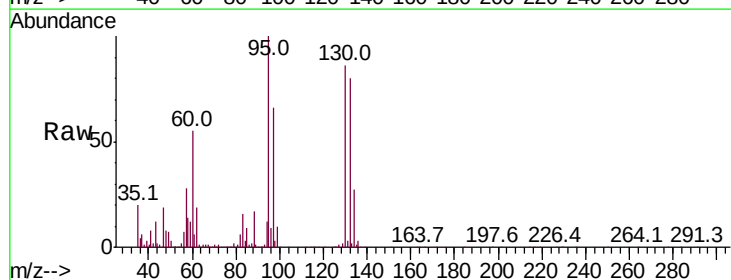
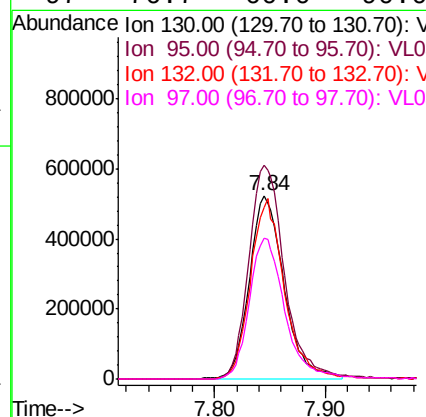
Delta R.T. 0.02 min

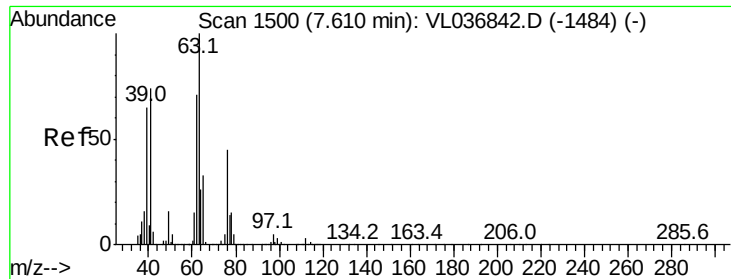
Lab File: VL036921.D

Acq: 7 May 2021 16:10

Tgt Ion: 130 Resp: 1139904

Ion	Ratio	Lower	Upper
130	100		
95	116.8	92.3	138.5
132	93.6	76.8	115.2
97	76.7	60.0	90.0





#39

1,2-Dichloropropane

Concen: 10.482 ppbv m

RT: 7.63 min Scan# 1505

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 63 Resp: 1237453

Ion Ratio Lower Upper

63 100

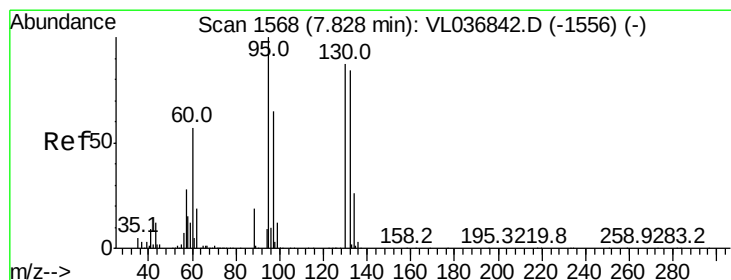
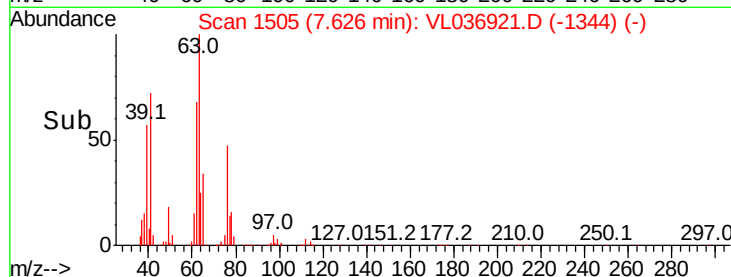
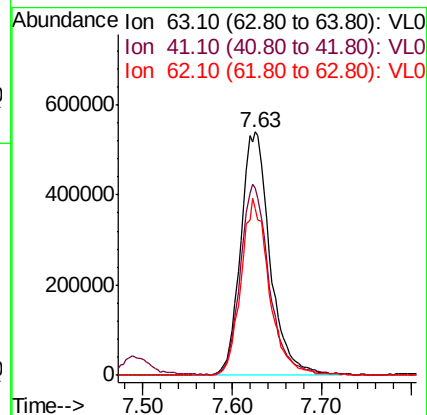
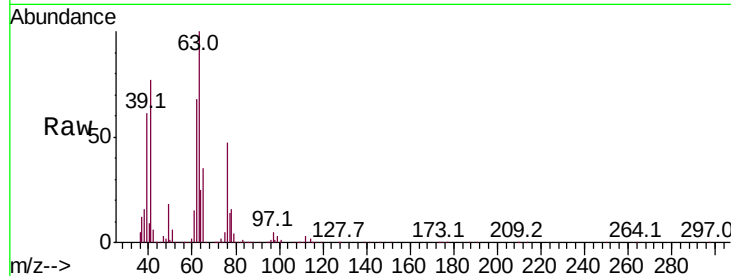
41 76.7 59.1 88.7

62 68.4 56.9 85.3

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#40

1,4-Dioxane

Concen: 9.666 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Tgt Ion: 88 Resp: 275566

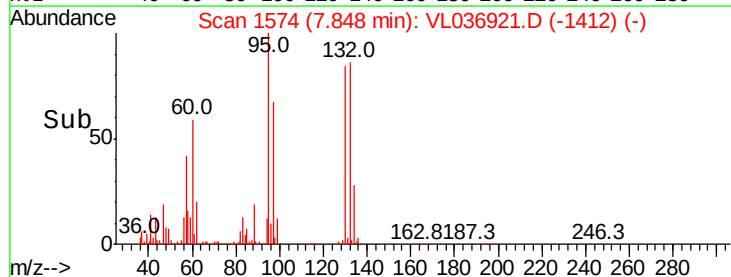
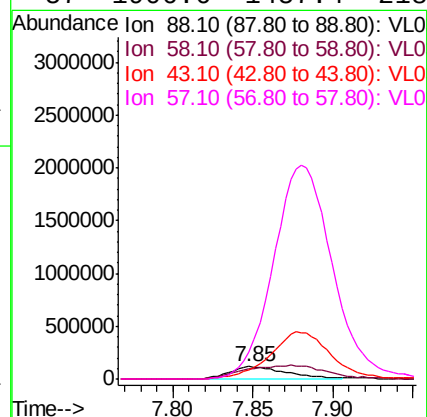
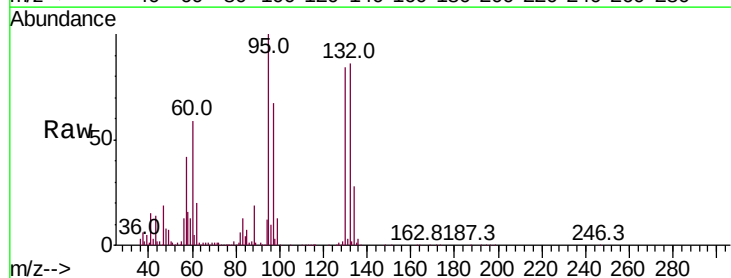
Ion Ratio Lower Upper

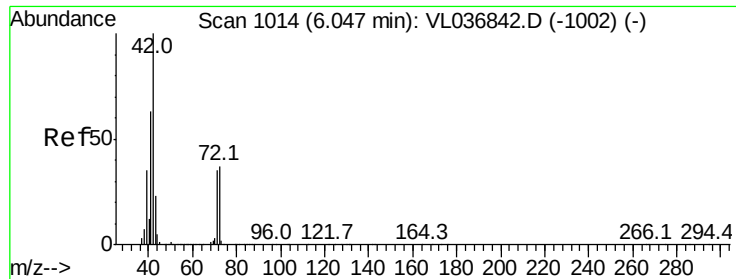
88 100

58 172.3 132.6 198.8

43 428.3 331.5 497.3

57 1906.6 1457.4 2186.0





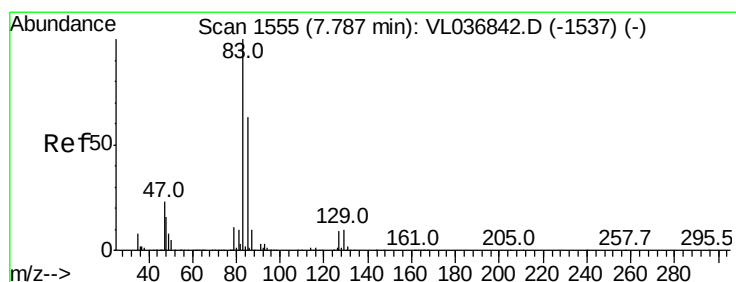
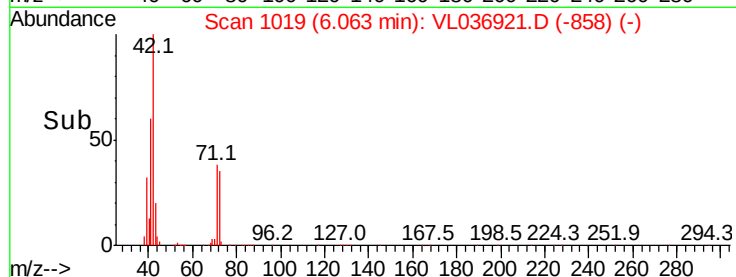
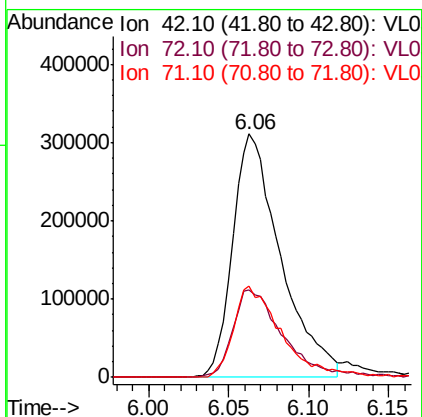
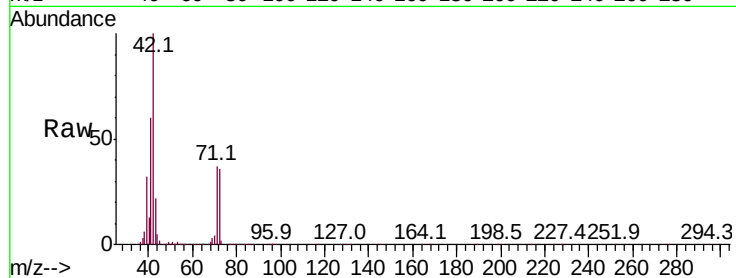
#41
Tetrahydrofuran
Concen: 9.460 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	29.7	44.5
71	38.3	29.0	43.6

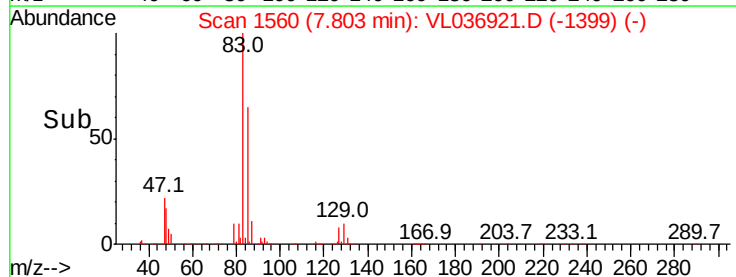
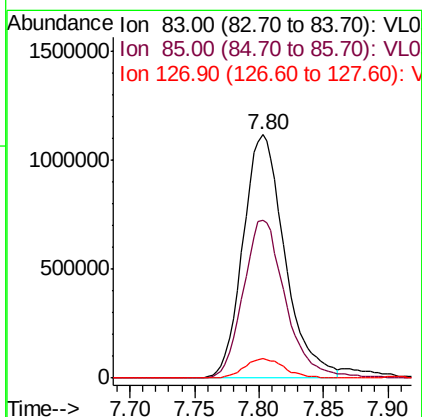
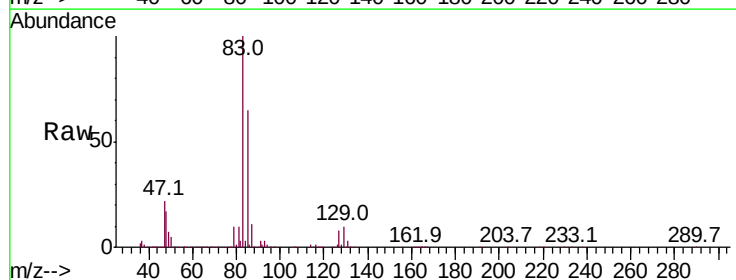
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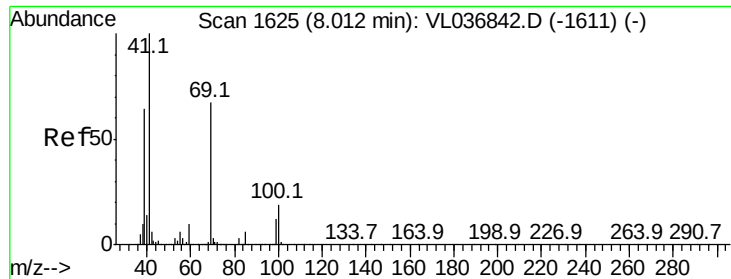
MMDadoda
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#42
Bromodichloromethane
Concen: 10.865 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.4	75.6
127	8.0	6.9	10.3





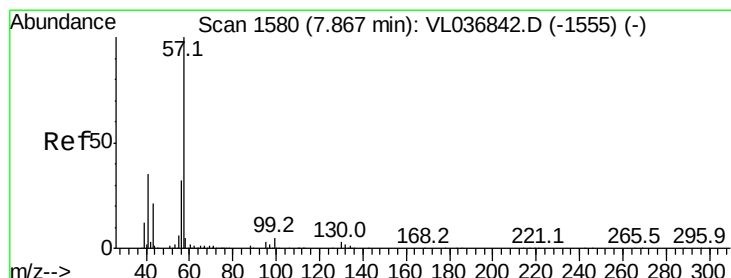
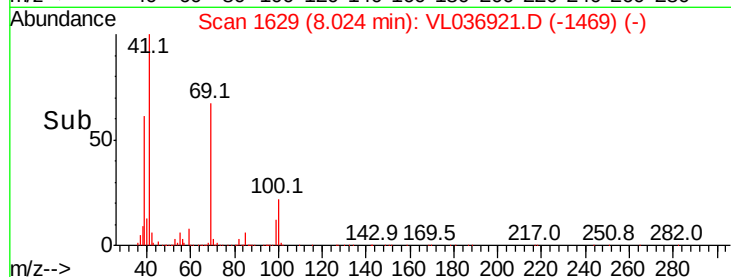
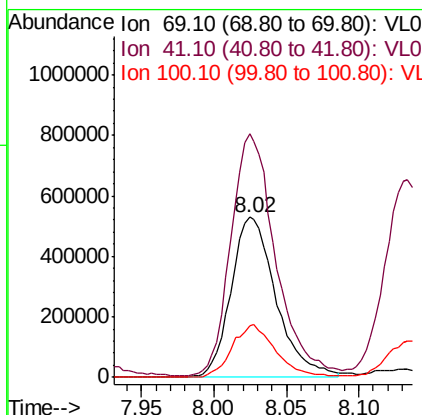
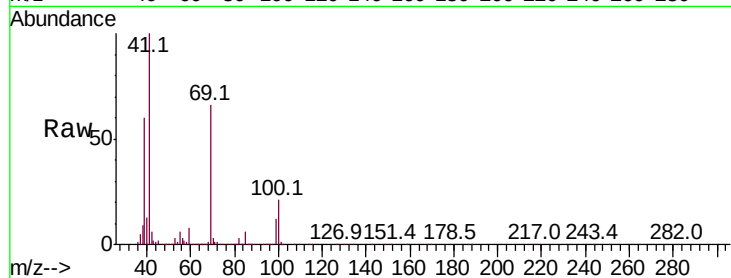
#43
Methyl Methacrylate
Concen: 11.786 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	152.0	124.2	186.4
100	32.2	25.5	38.3

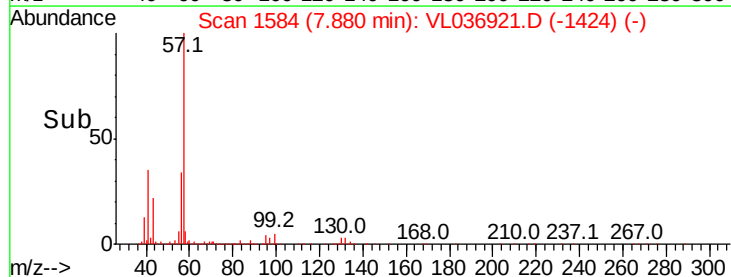
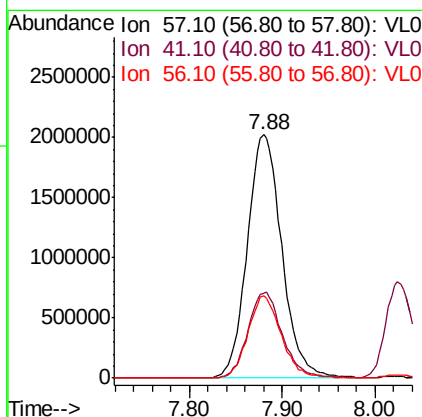
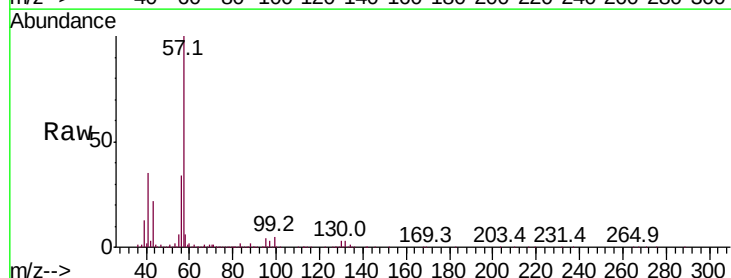
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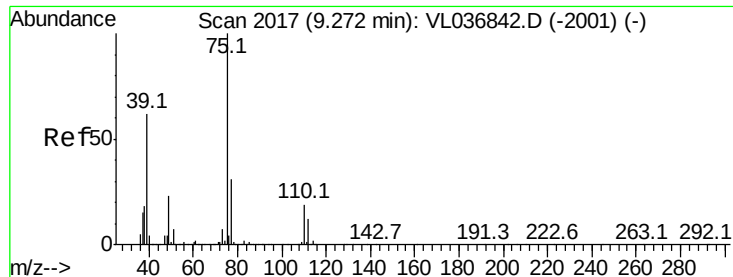
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#44
2,2,4-Trimethylpentane
Concen: 10.358 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.3	28.2	42.4
56	32.6	25.9	38.9





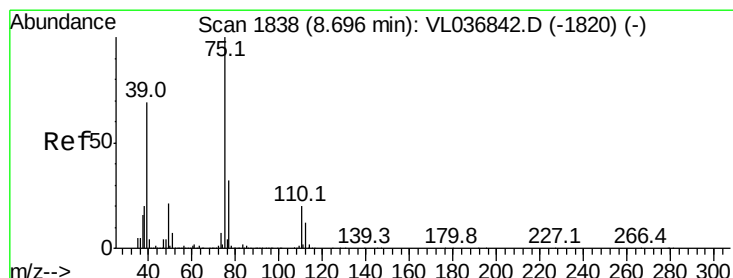
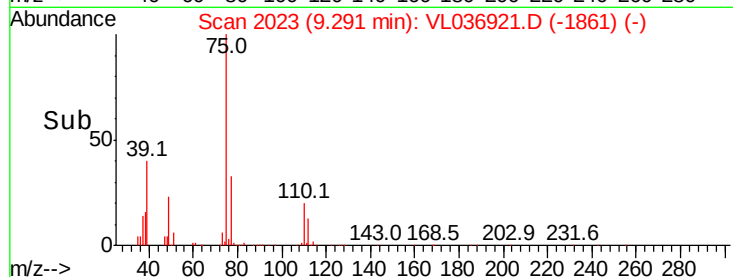
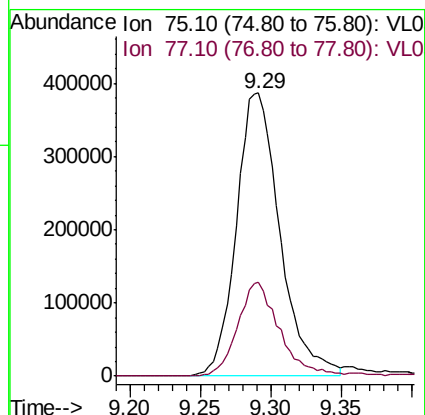
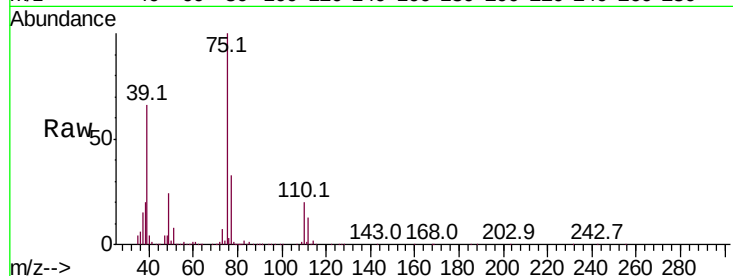
#45
t-1,3-Dichloropropene
Concen: 8.026 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 75 Resp: 831887
Ion Ratio Lower Upper
75 100
77 33.3 24.6 37.0

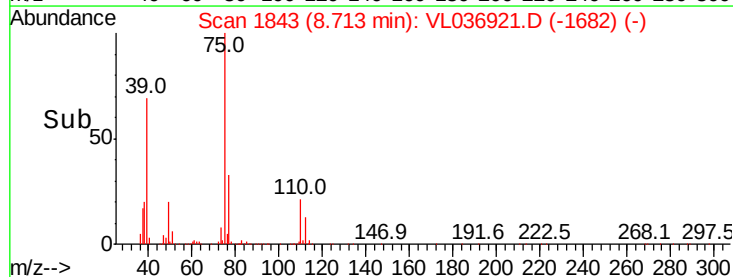
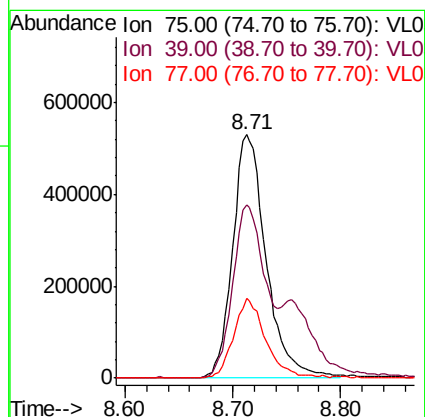
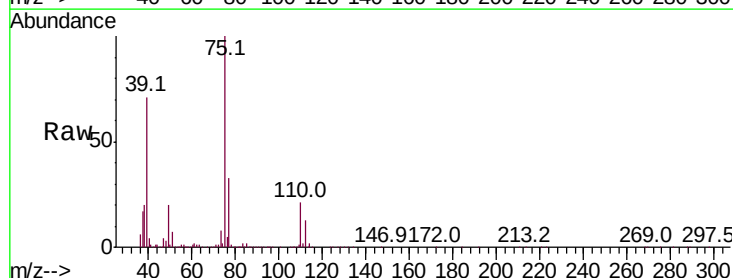
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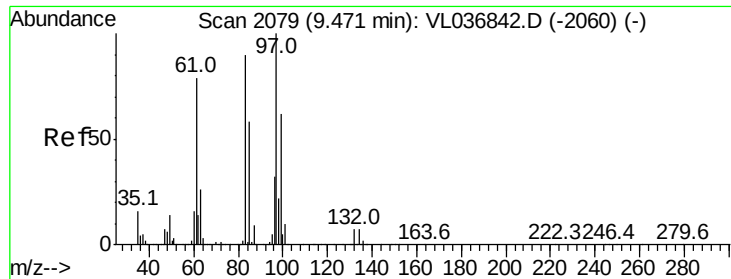
MMDadoda
5/10/2021 3:34:40 PM



#46
cis-1,3-Dichloropropene
Concen: 8.633 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion: 75 Resp: 1147333
Ion Ratio Lower Upper
75 100
39 70.9 55.4 83.0
77 32.6 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 10.347 ppbv

RT: 9.48 min Scan# 2083

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 97 Resp: 1264721

Ion Ratio Lower Upper

97 100

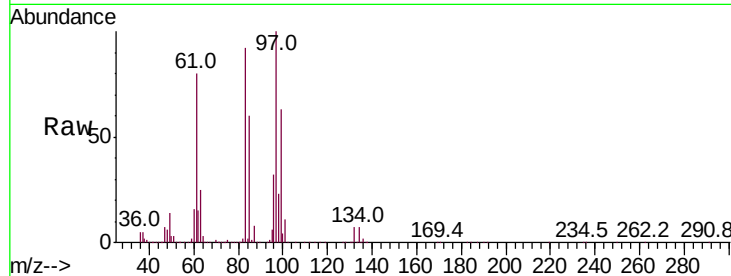
83 91.3 71.9 107.9

85 60.2 46.5 69.7

99 63.5 49.8 74.8

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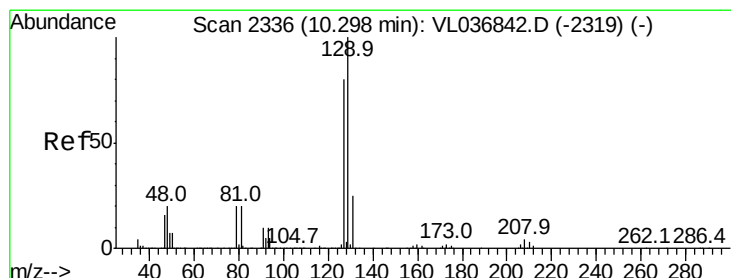
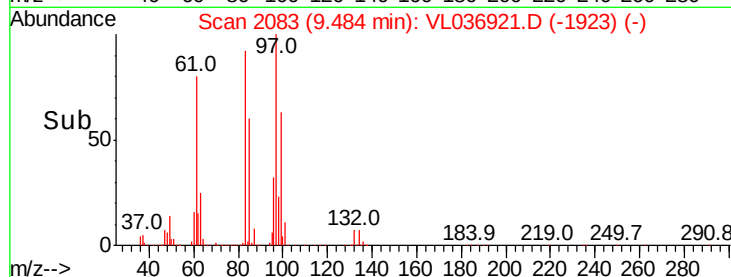
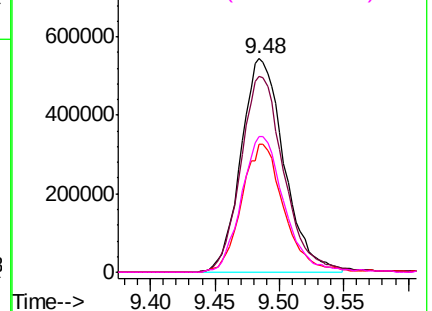
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.656 ppbv

RT: 10.32 min Scan# 2342

Delta R.T. 0.02 min

Lab File: VL036921.D

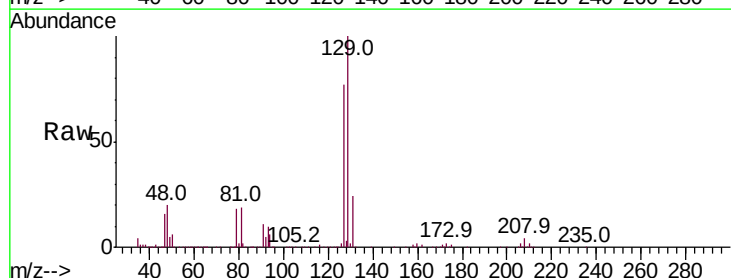
Acq: 7 May 2021 16:10

Tgt Ion: 129 Resp: 2110982

Ion Ratio Lower Upper

129 100

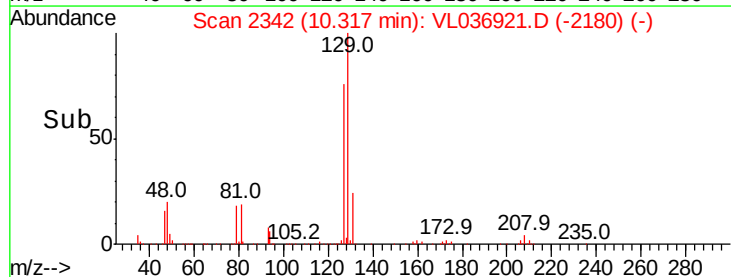
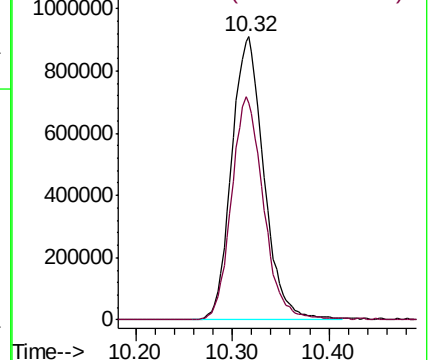
127 78.6 40.2 120.5

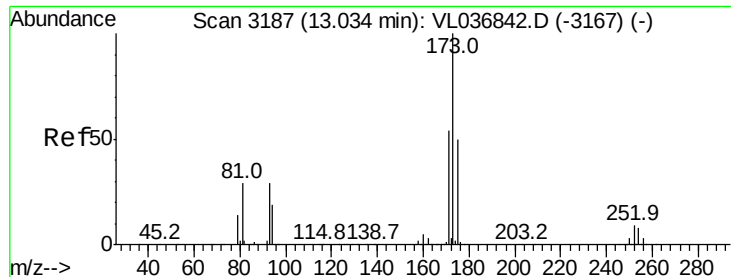


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





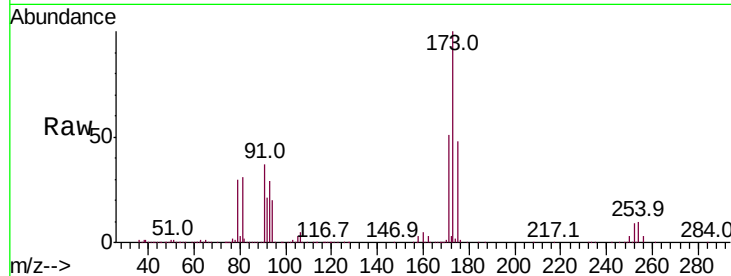
#49
Bromoform
Concen: 11.894 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

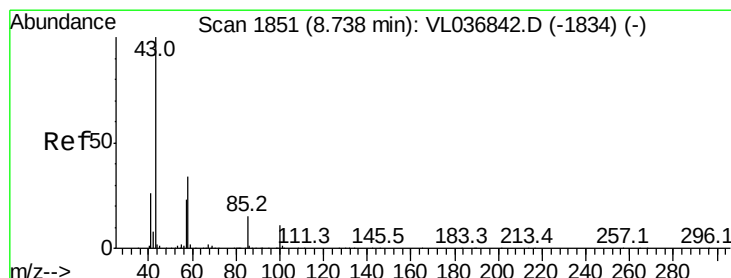
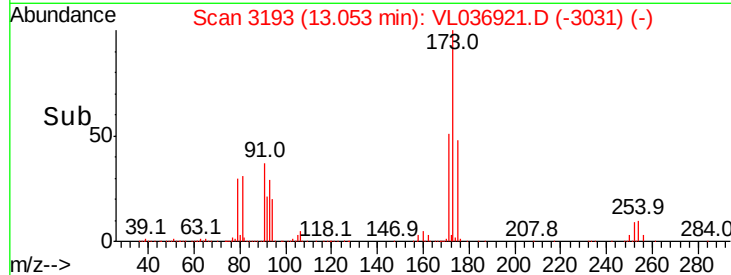
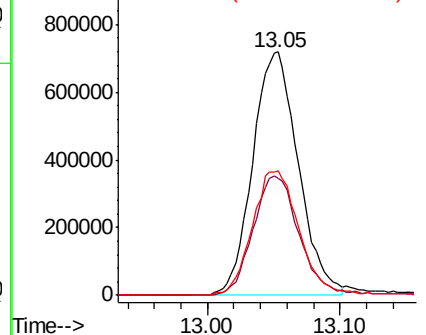
Tot Ion:173 Resp: 1719669
Ion Ratio Lower Upper
173 100
175 50.6 39.6 59.4
171 53.2 42.2 63.4

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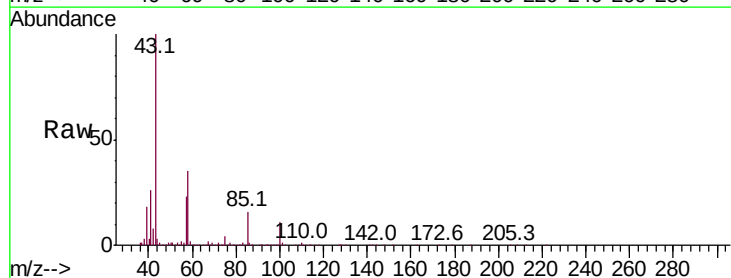


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

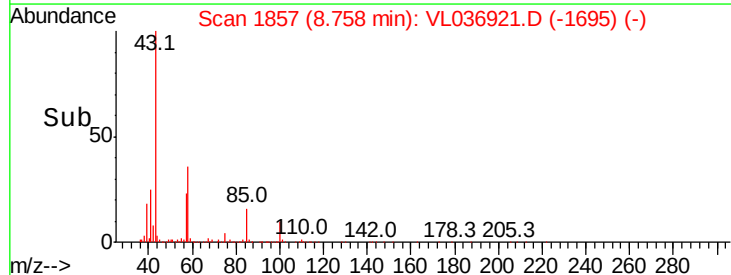
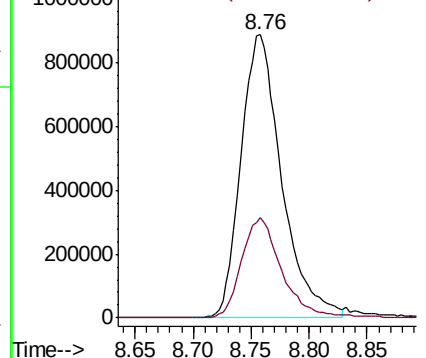


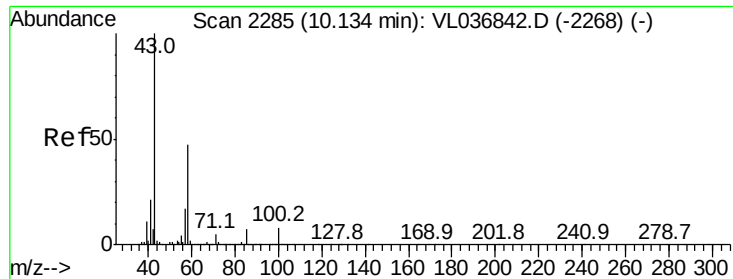
#50
4-Methyl-2-Pentanone
Concen: 10.325 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion: 43 Resp: 2162257
Ion Ratio Lower Upper
43 100
58 35.2 27.8 41.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





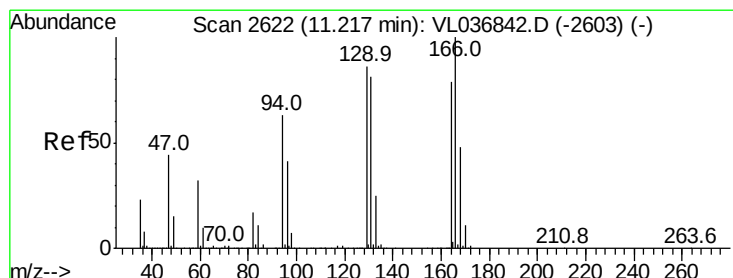
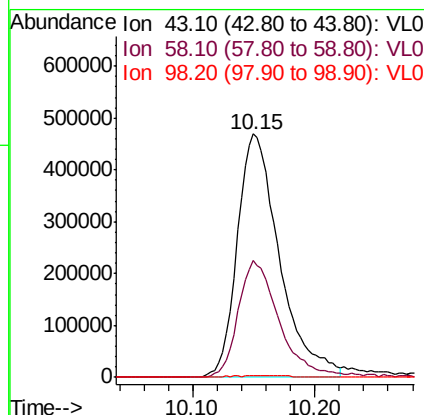
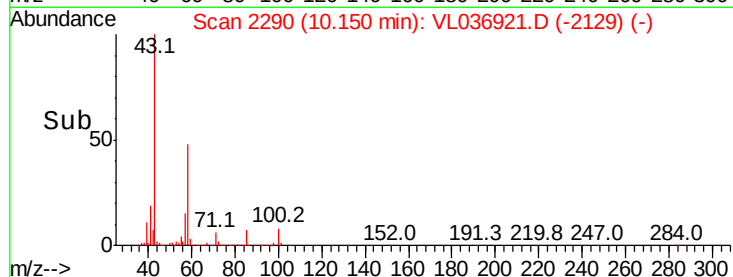
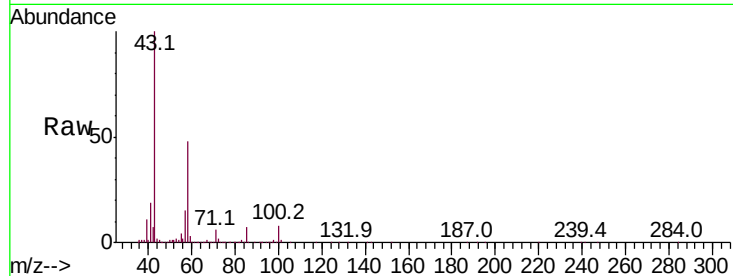
#51
2-Hexanone
Concen: 10.714 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 43 Resp: 1119086
Ion Ratio Lower Upper
43 100
58 47.2 37.0 55.6
98 1.2 0.2 0.4#

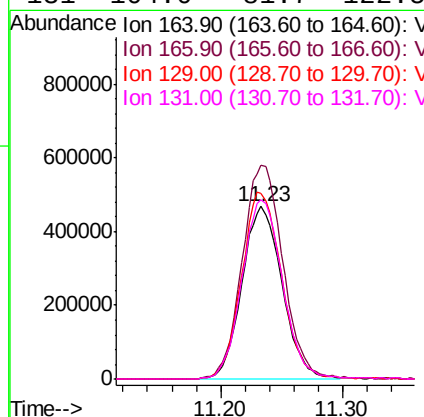
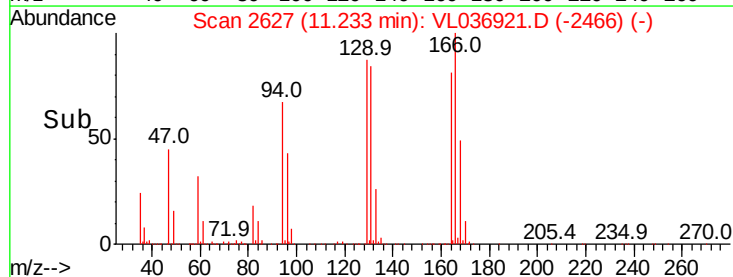
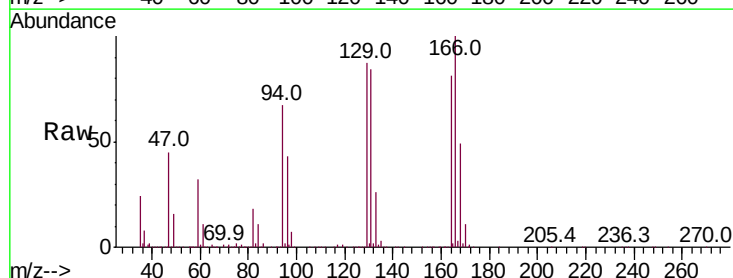
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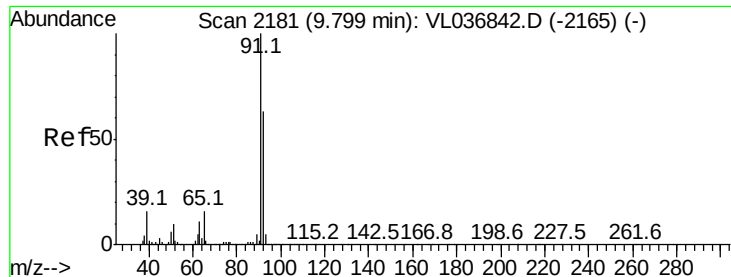
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#52
Tetrachloroethene
Concen: 10.558 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion: 164 Resp: 1059450
Ion Ratio Lower Upper
164 100
166 123.9 100.9 151.3
129 108.0 87.0 130.4
131 104.0 81.7 122.5





#53

Toluene

Concen: 11.292 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 91 Resp: 3481770

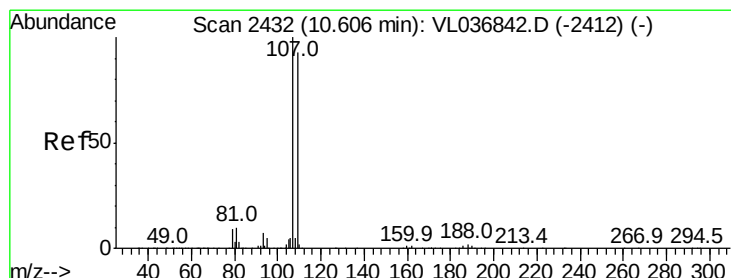
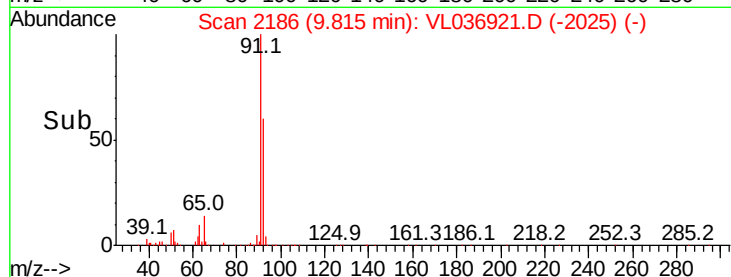
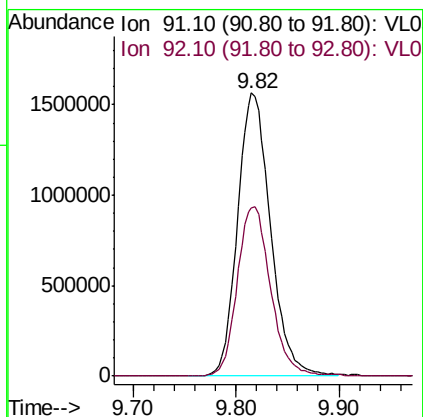
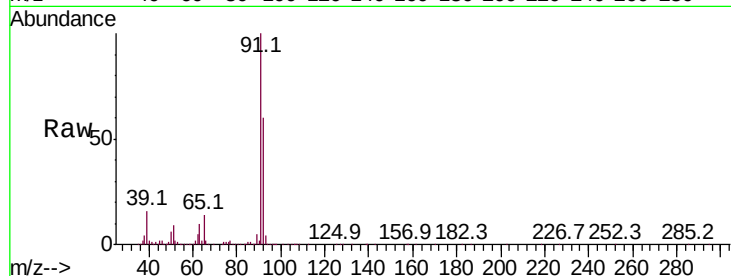
Ion Ratio Lower Upper

91 100

92 60.9 49.0 73.4

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#54

1,2-Dibromoethane

Concen: 10.334 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.01 min

Lab File: VL036921.D

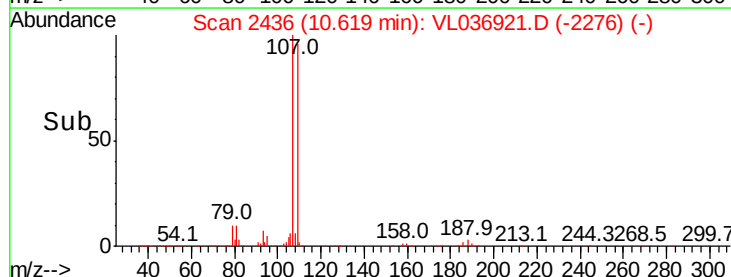
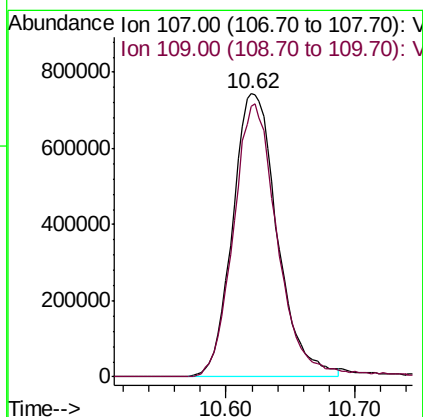
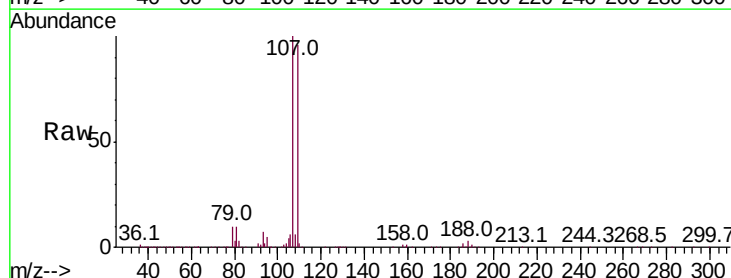
Acq: 7 May 2021 16:10

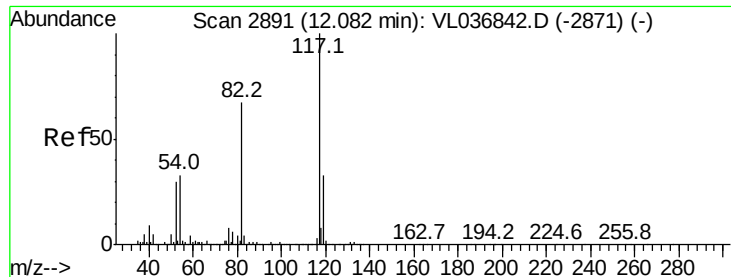
Tgt Ion: 107 Resp: 1783175

Ion Ratio Lower Upper

107 100

109 95.6 74.7 112.1





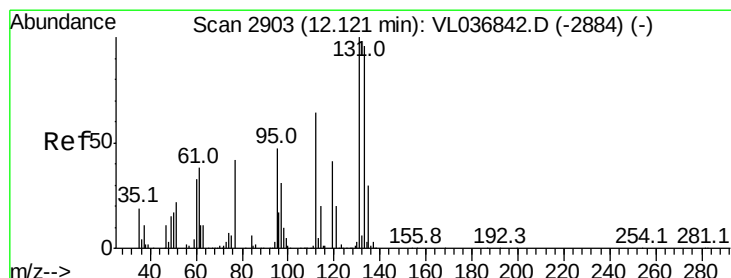
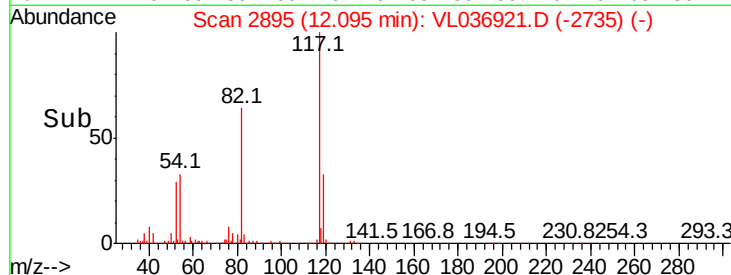
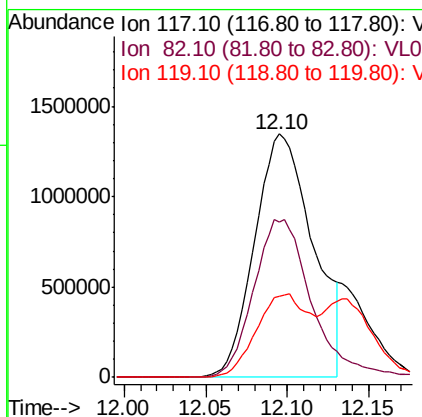
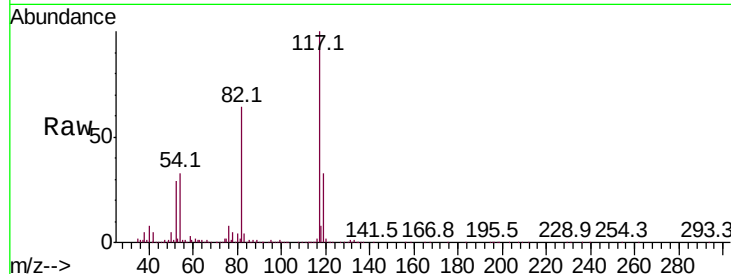
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2895
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.8	53.5	80.3
119	33.0	25.6	38.4

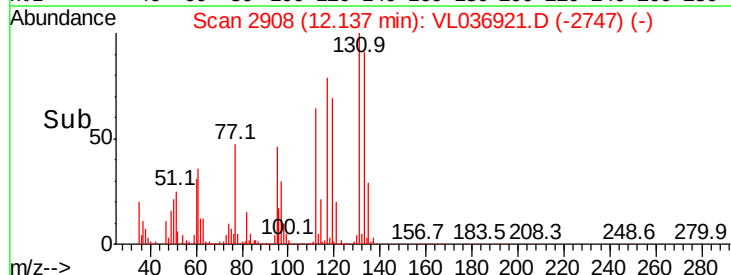
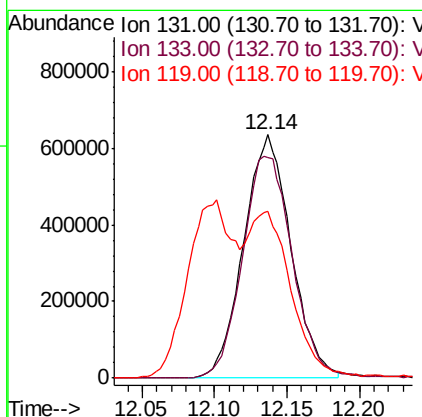
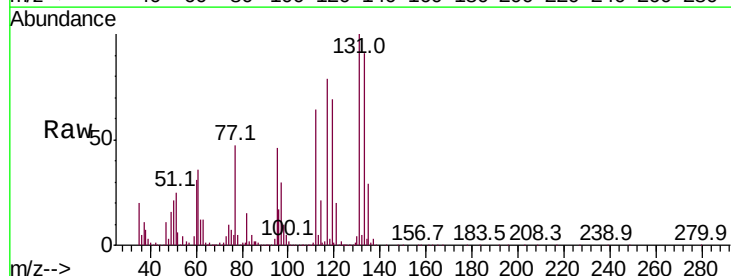
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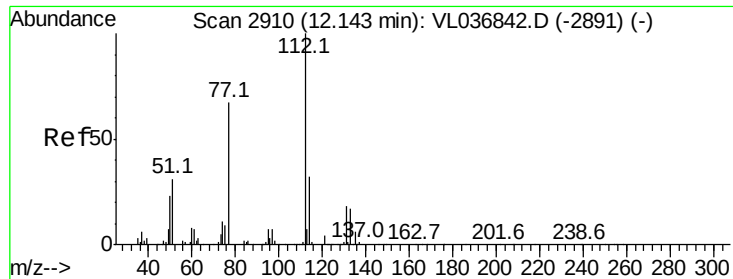
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.221 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.7	76.3	114.5
119	69.1	114.9	172.3#





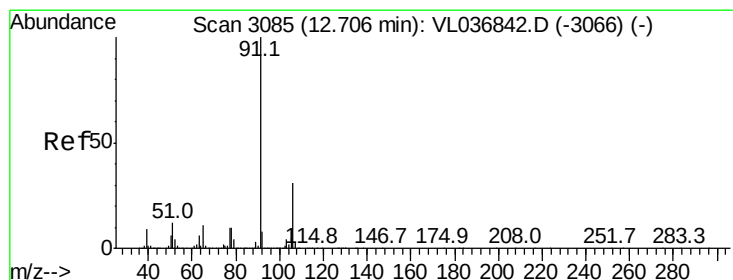
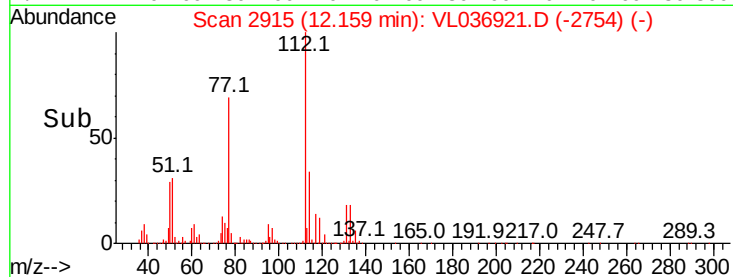
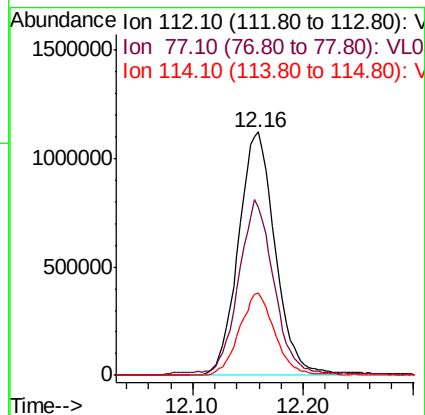
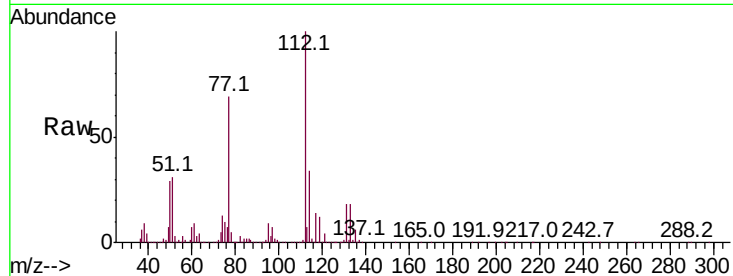
#57
Chlorobenzene
Concen: 9.870 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	68.4	54.2	81.4
114	33.7	28.5	34.9

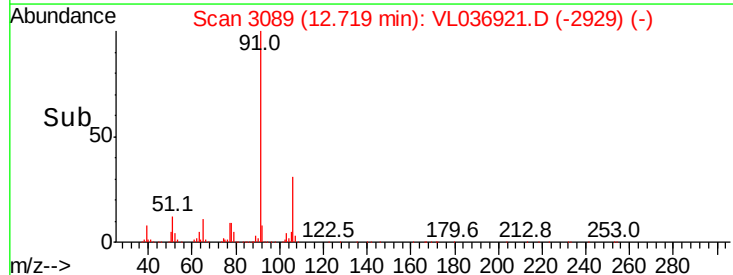
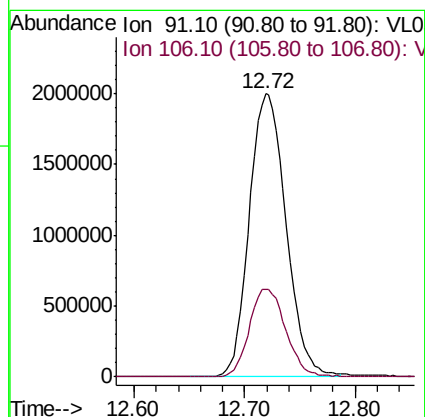
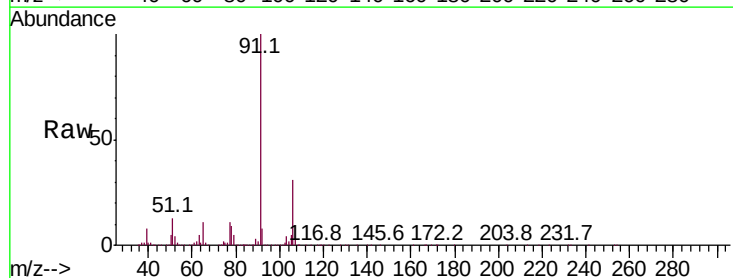
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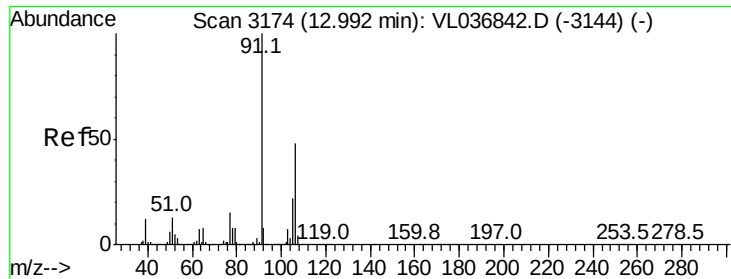
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#58
Ethyl Benzene
Concen: 10.840 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.1	37.7





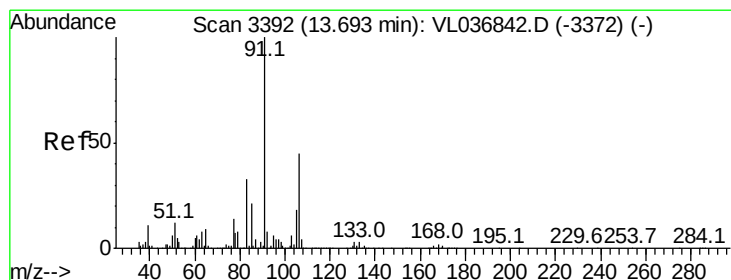
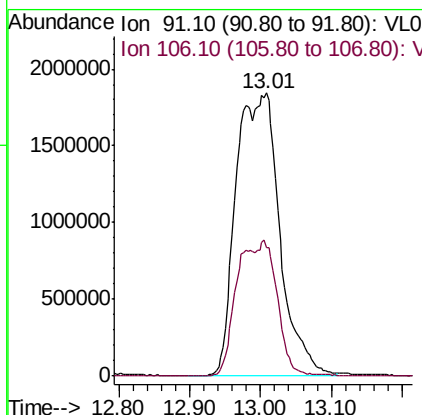
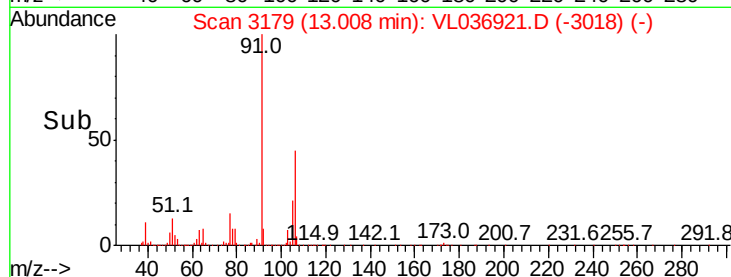
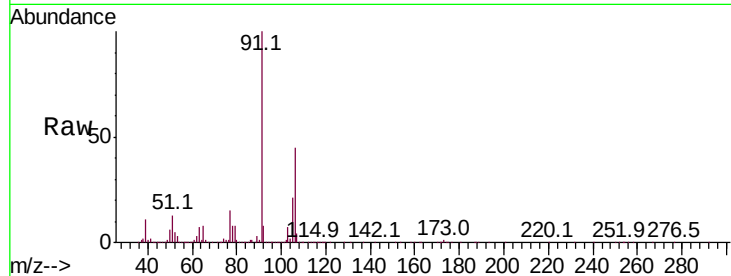
#59
m/p-Xylene
Concen: 20.803 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 91 Resp: 7922599
Ion Ratio Lower Upper
91 100
106 44.2 35.8 53.6

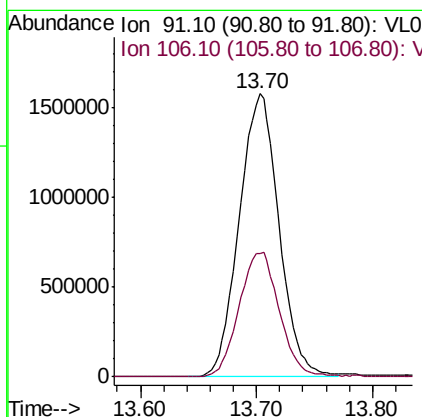
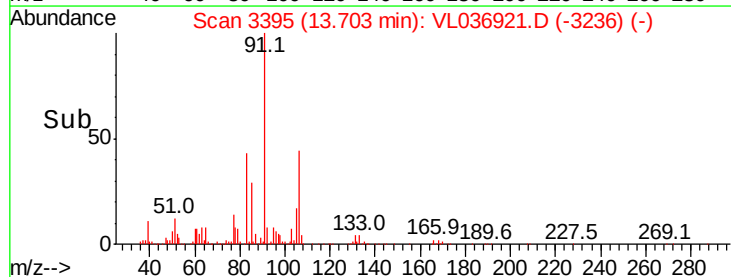
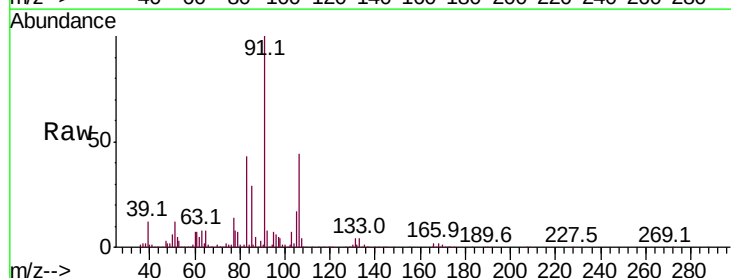
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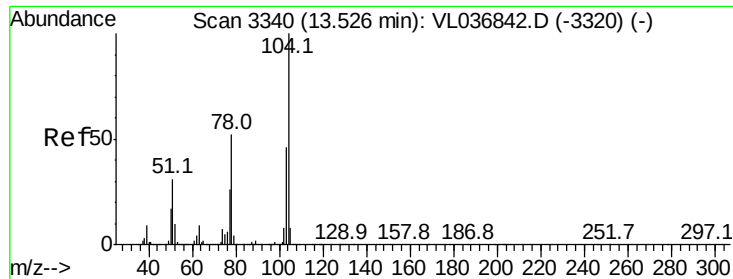
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#60
o-Xylene
Concen: 10.195 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion: 91 Resp: 3754104
Ion Ratio Lower Upper
91 100
106 45.0 22.6 67.7





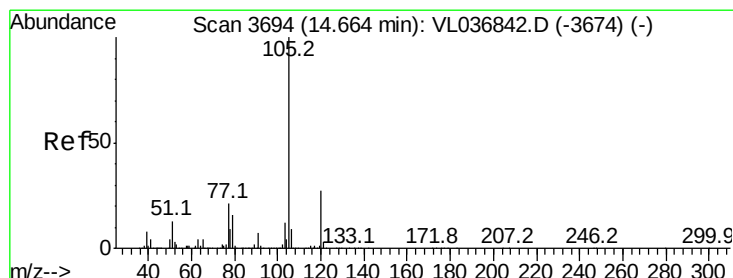
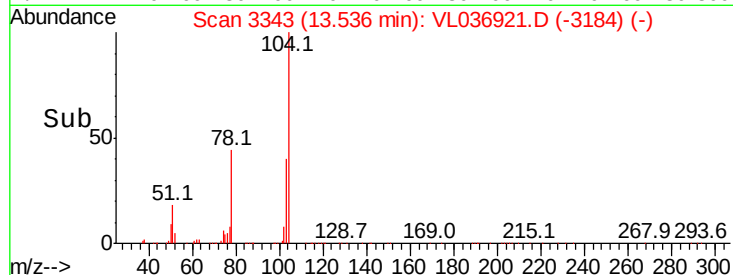
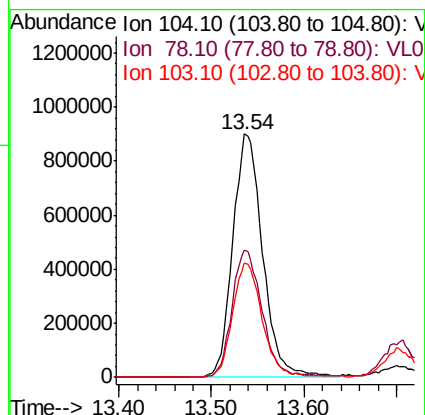
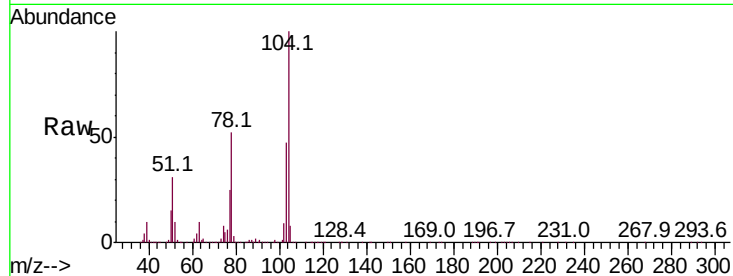
#61
Stvrene
Concen: 11.670 ppbv
RT: 13.54 min Scan# 3343
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.6	64.0
103	47.3	38.1	57.1

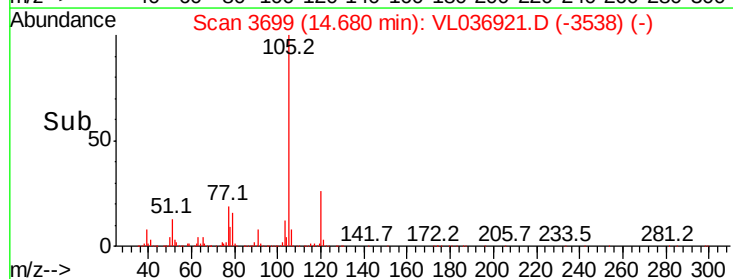
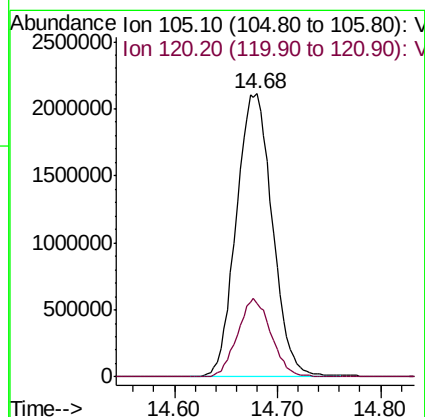
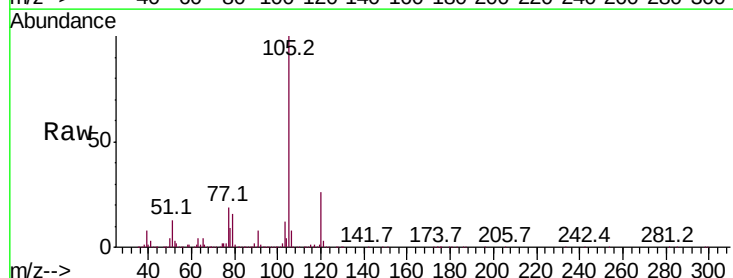
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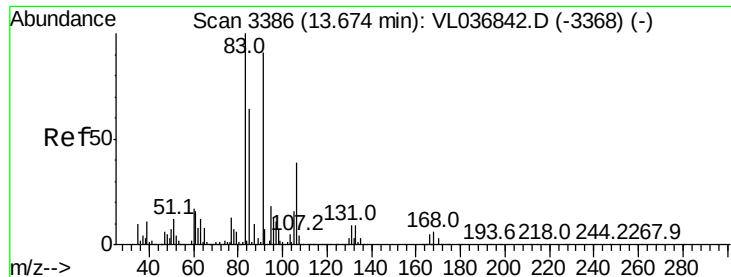
MMDadoda
5/10/2021 3:34:40 PM



#62
Isopropylbenzene
Concen: 10.264 ppbv
RT: 14.68 min Scan# 3699
Delta R.T. 0.02 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	21.1	31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 9.642 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 83 Resp: 2846273

Ion Ratio Lower Upper

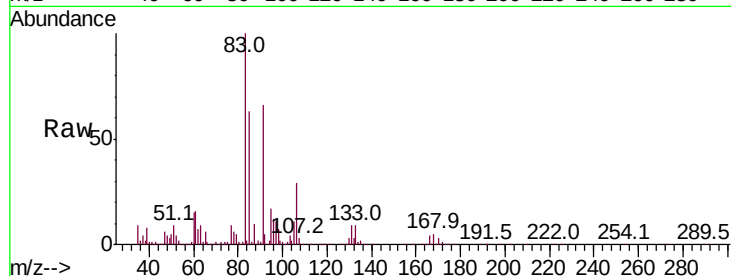
83 100

131 9.3 4.8 14.3

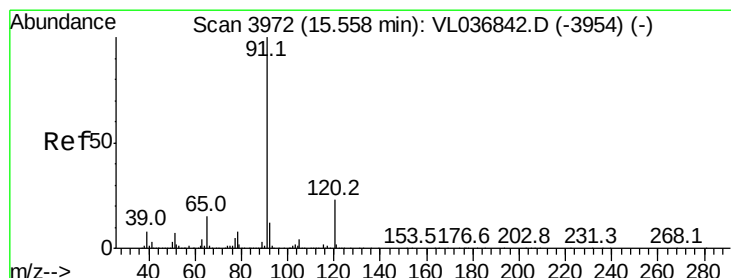
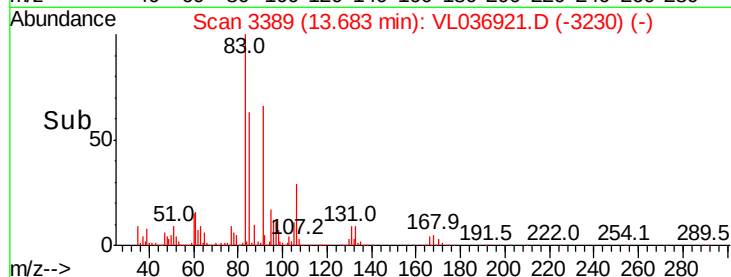
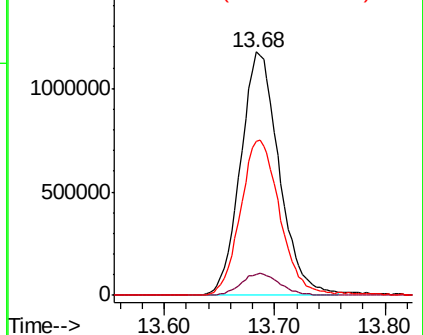
85 66.4 32.8 98.4

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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.858 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VL036921.D

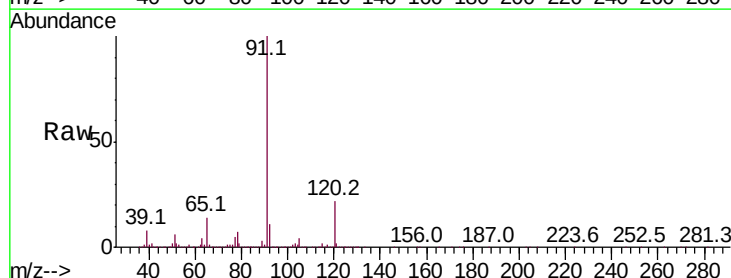
Acq: 7 May 2021 16:10

Tgt Ion:120 Resp: 1355707

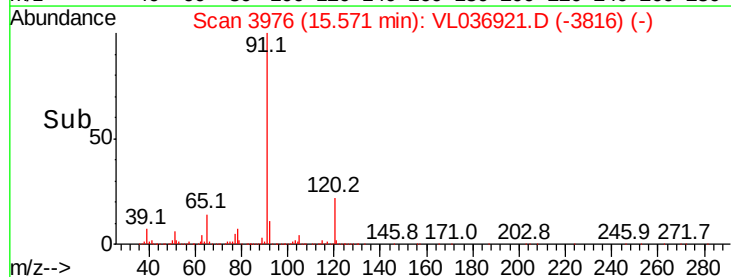
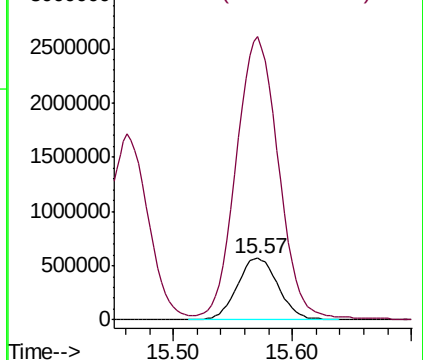
Ion Ratio Lower Upper

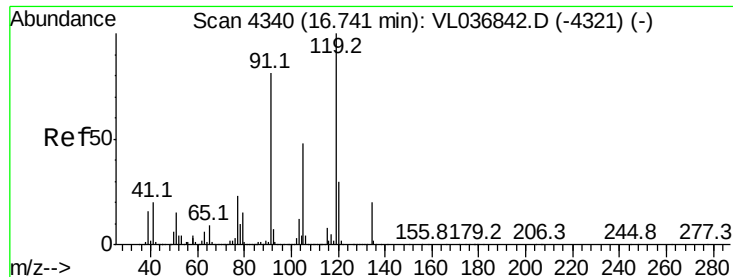
120 100

91 477.4 378.6 567.8



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 10.089 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion:119 Resp: 4468918

Ion Ratio Lower Upper

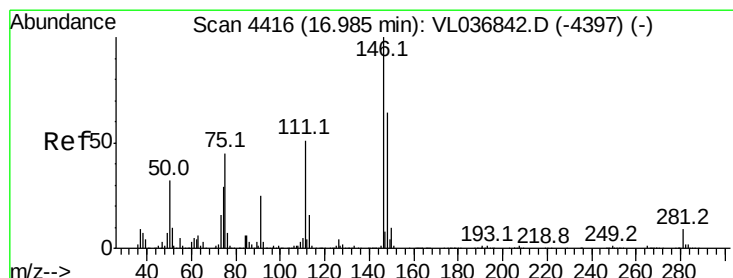
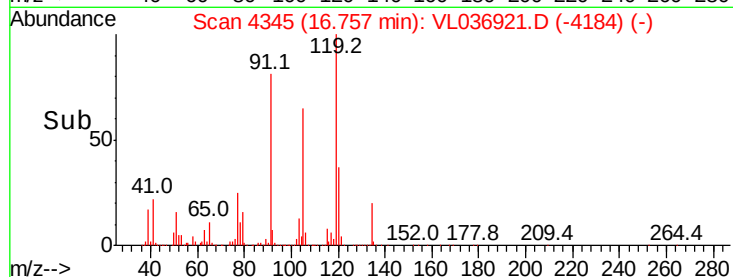
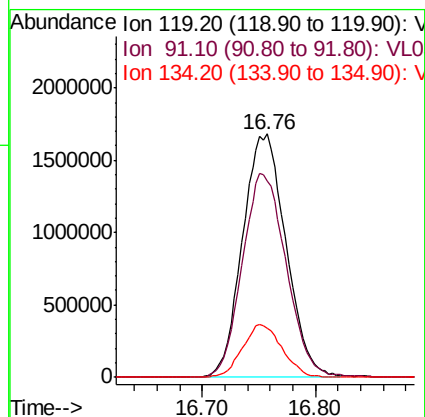
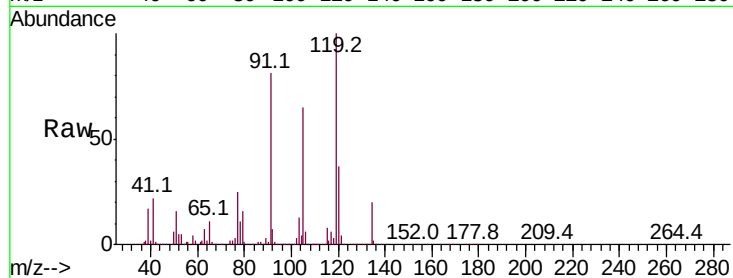
119 100

91 85.3 67.0 100.6

134 20.0 15.8 23.6

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#66

Benzyl Chloride

Concen: 7.500 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

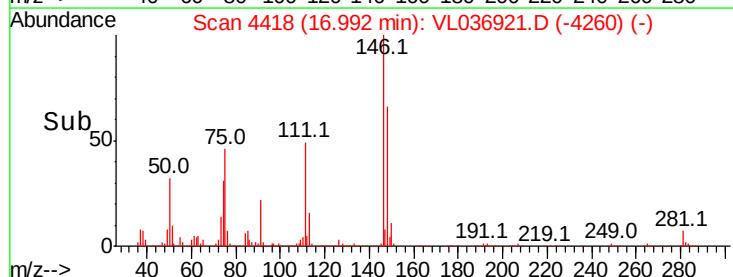
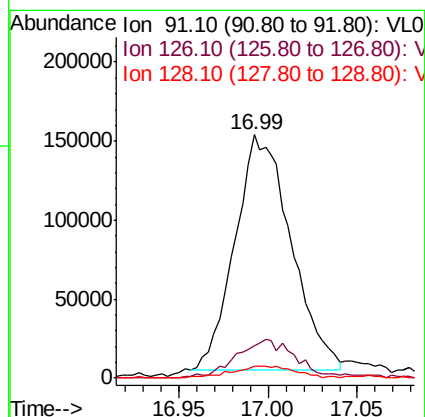
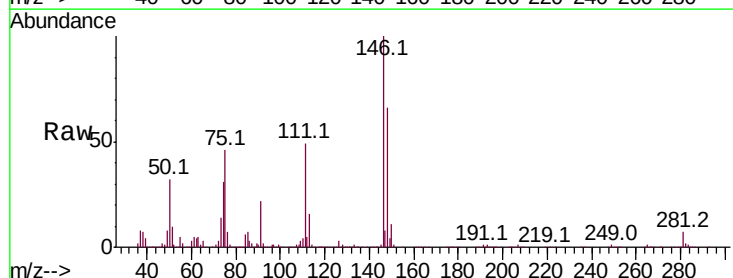
Tgt Ion: 91 Resp: 324816

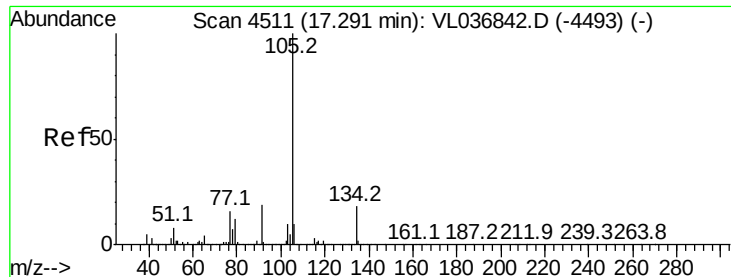
Ion Ratio Lower Upper

91 100

126 18.5 14.1 21.1

128 6.5 4.8 7.2





#67

sec-Butylbenzene

Concen: 10.295 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion:105 Resp: 6332707

Ion Ratio Lower Upper

105 100

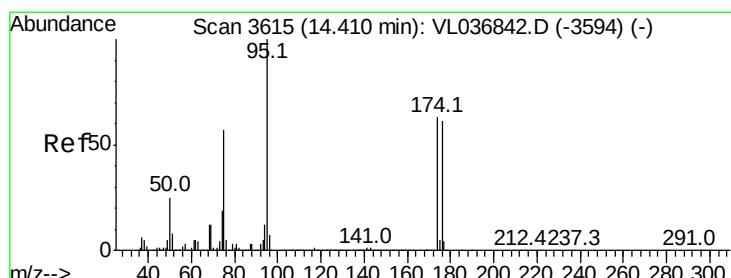
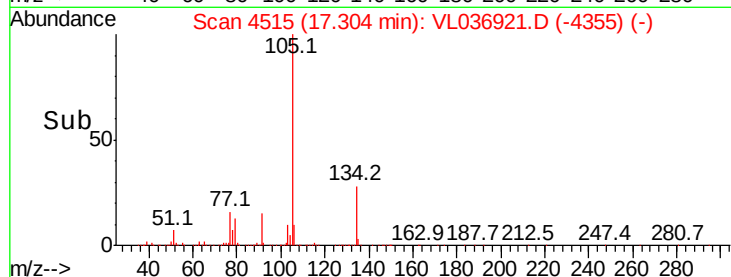
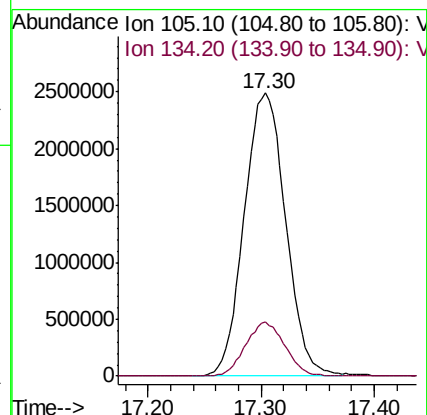
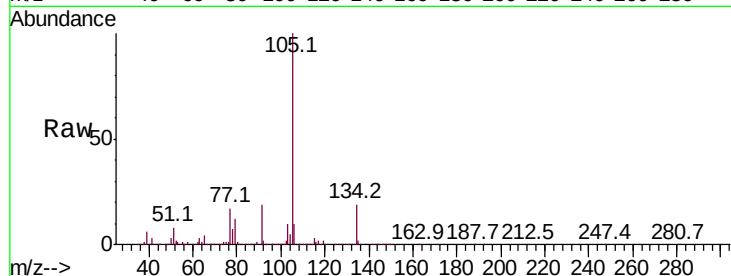
134 18.3 14.8 22.2

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.875 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

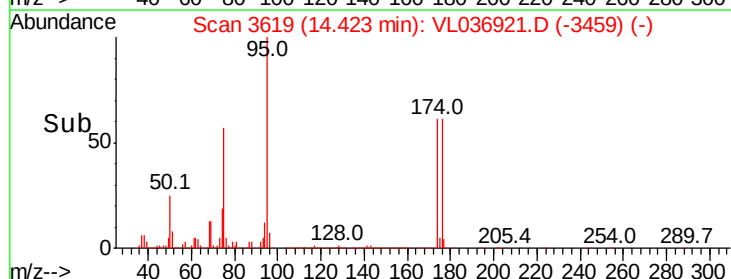
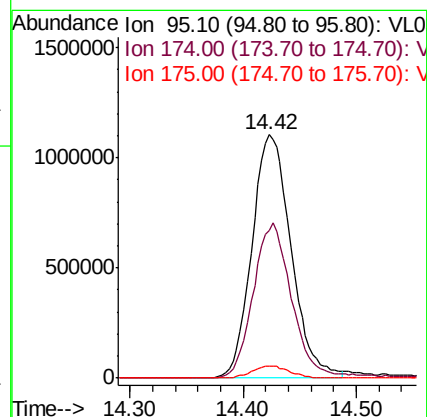
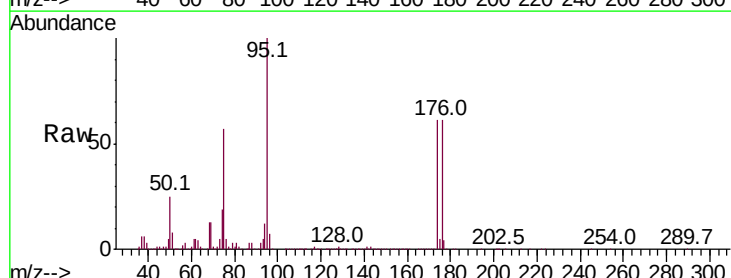
Tgt Ion: 95 Resp: 2663012

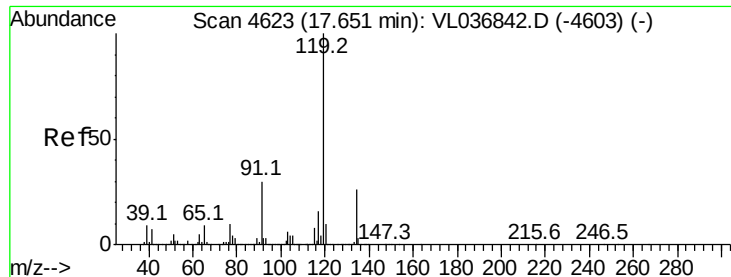
Ion Ratio Lower Upper

95 100

174 64.3 52.2 78.2

175 4.8 4.0 6.0





#69

p-Isopropyltoluene

Concen: 10.475 ppbv

RT: 17.66 min Scan# 4626

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion:119 Resp: 5165463

Ion Ratio Lower Upper

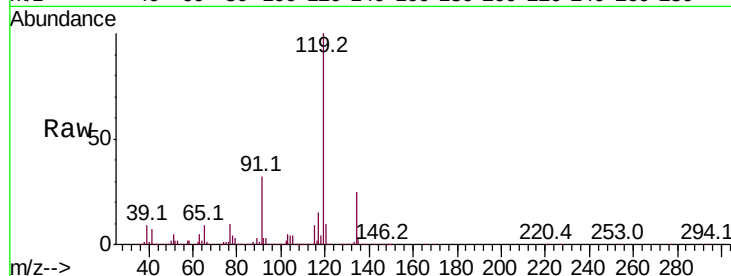
119 100

134 25.7 20.6 31.0

91 30.9 24.2 36.4

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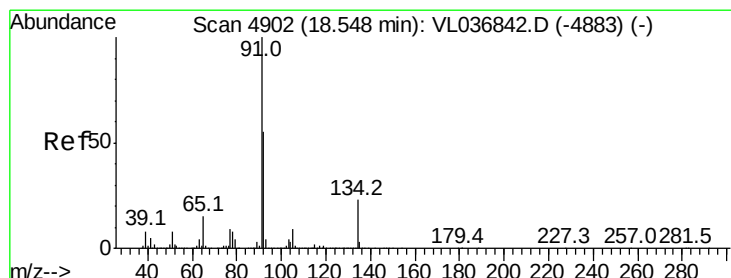
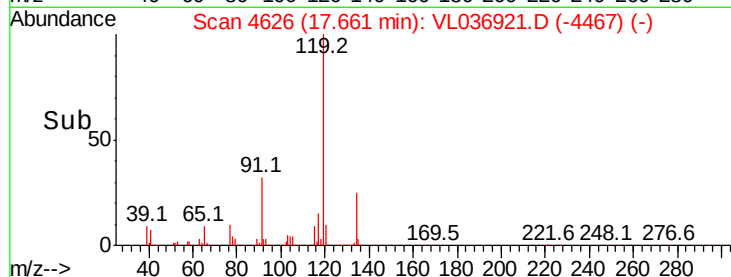
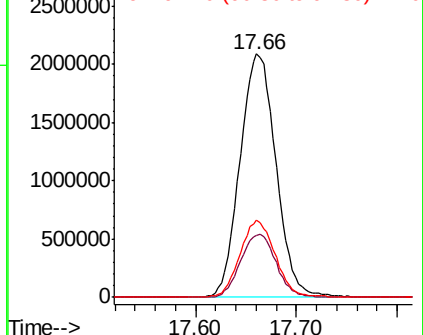
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Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 10.836 ppbv

RT: 18.56 min Scan# 4905

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

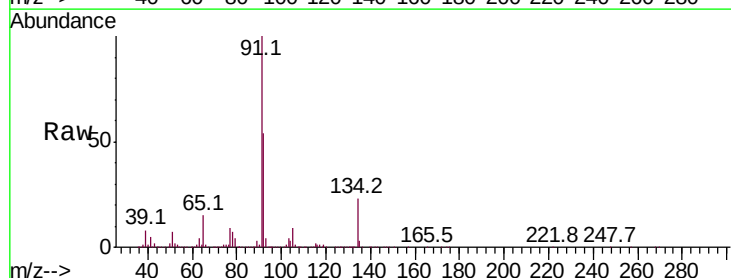
Tgt Ion: 91 Resp: 5385907

Ion Ratio Lower Upper

91 100

92 54.1 43.5 65.3

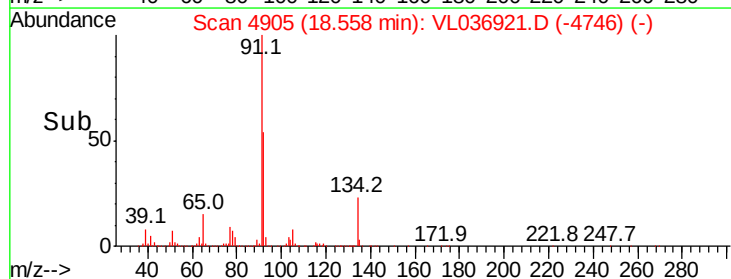
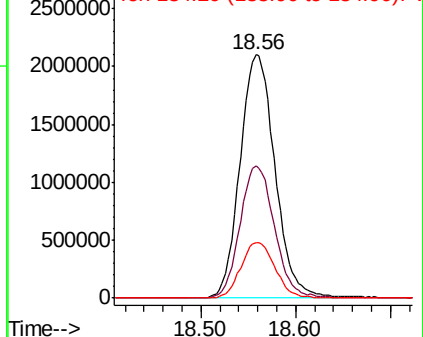
134 22.5 18.2 27.4

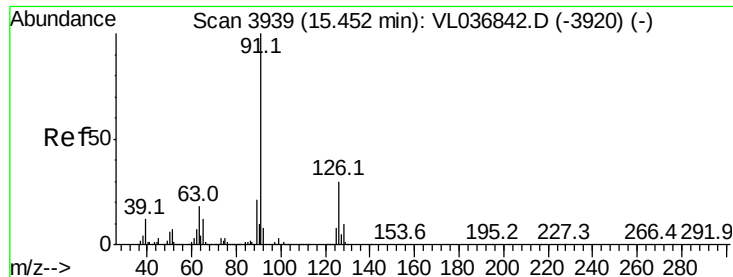


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.792 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 91 Resp: 4004334

Ion Ratio Lower Upper

91 100

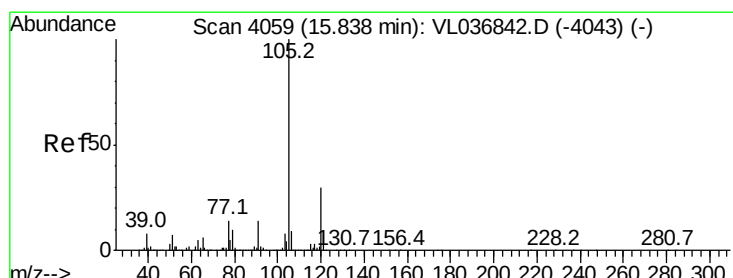
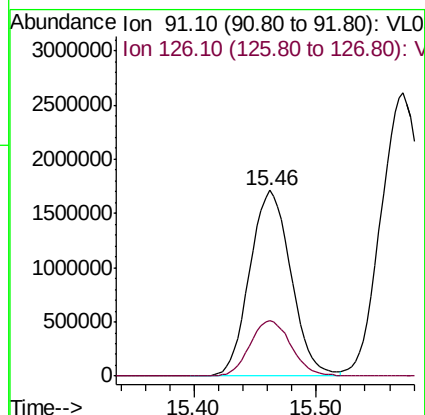
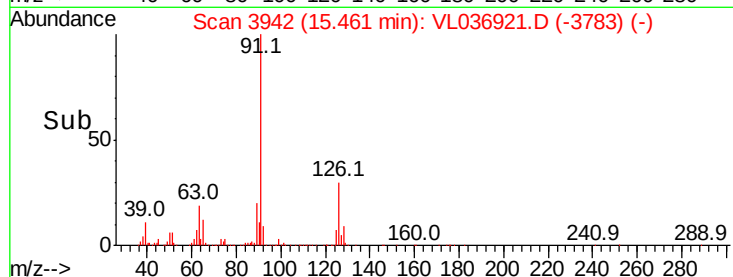
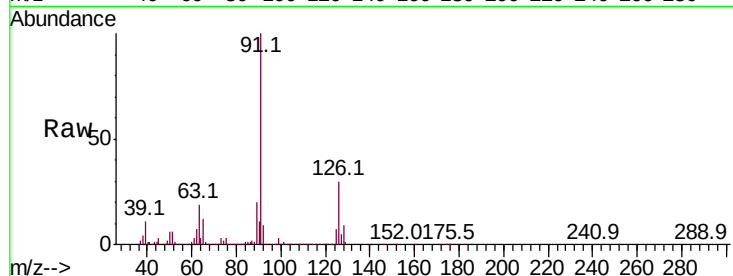
126 30.3 12.3 49.3

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#72

4-Ethyltoluene

Concen: 11.147 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Tgt Ion: 105 Resp: 4405853

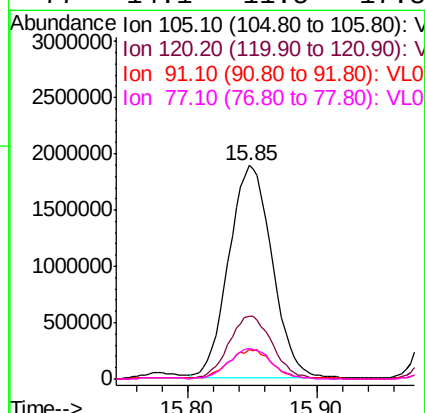
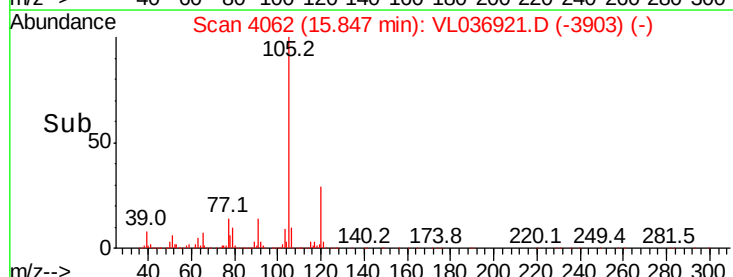
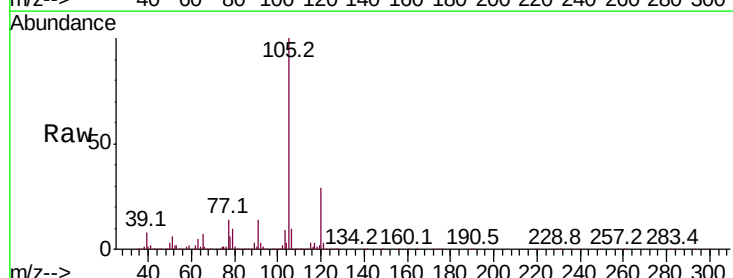
Ion Ratio Lower Upper

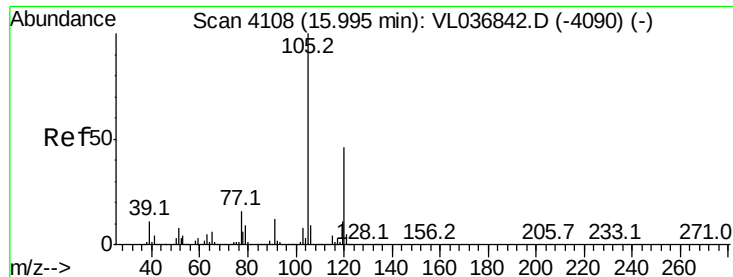
105 100

120 29.8 23.8 35.6

91 13.7 10.7 16.1

77 14.1 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 10.249 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion:105 Resp: 3928413

Ion Ratio Lower Upper

105 100

120 47.2

36.8

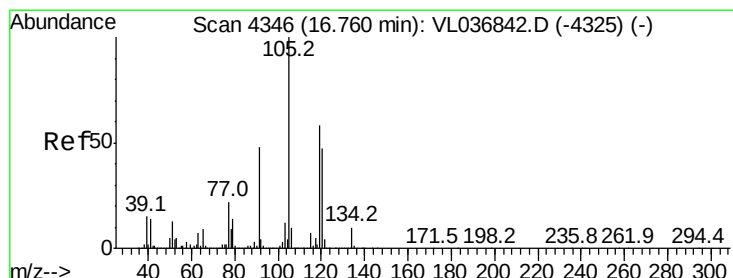
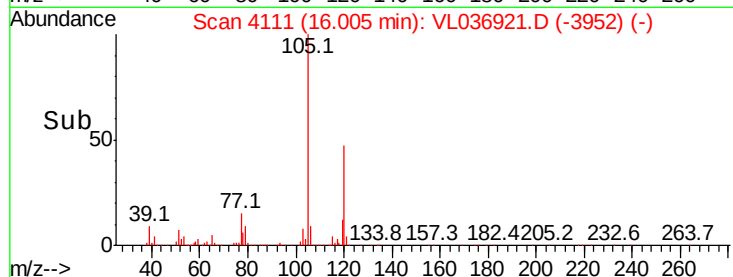
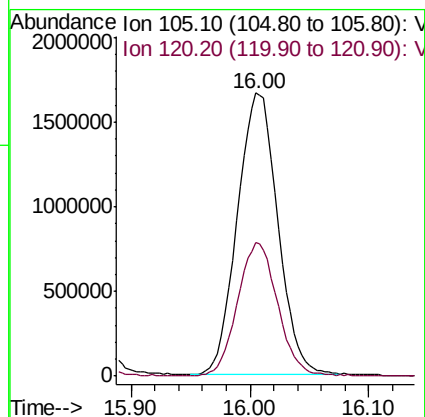
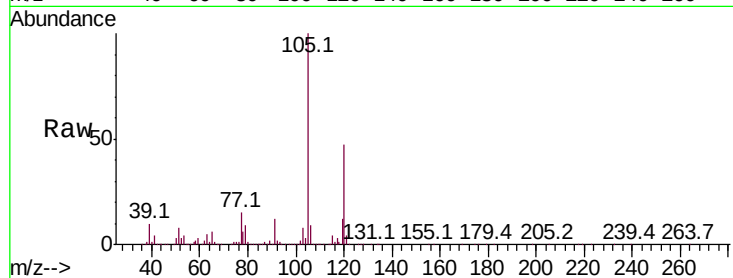
55.2

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#74

1,2,4-Trimethylbenzene

Concen: 10.068 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Tgt Ion:105 Resp: 4099007

Ion Ratio Lower Upper

105 100

120 49.2

37.6

56.4

91 56.7

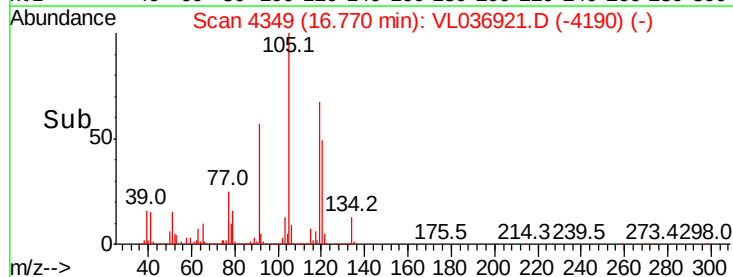
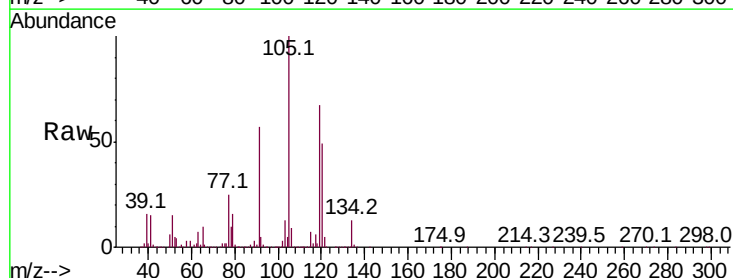
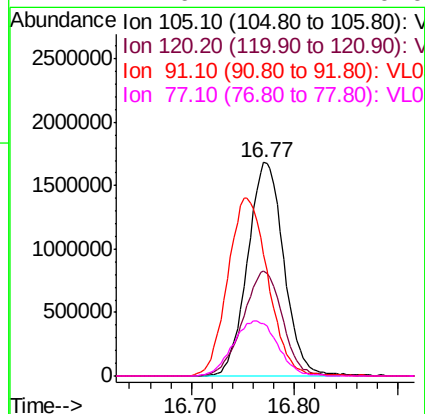
39.0

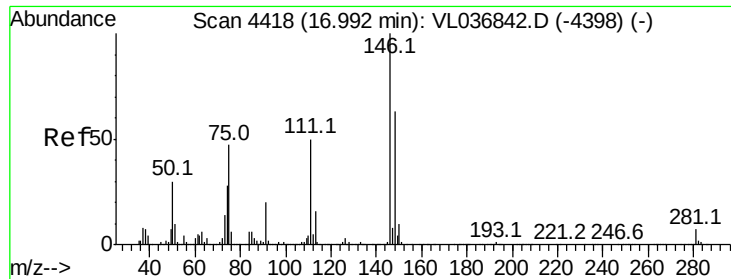
58.4

77 24.6

17.4

26.0





#75

1,3-Dichlorobenzene

Concen: 10.143 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion:146 Resp: 2441327

Ion Ratio Lower Upper

146 100

111 48.5 24.2 72.6

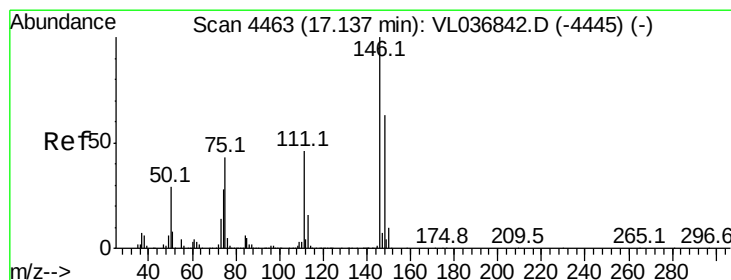
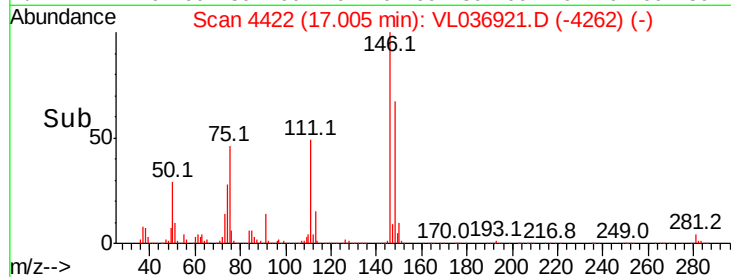
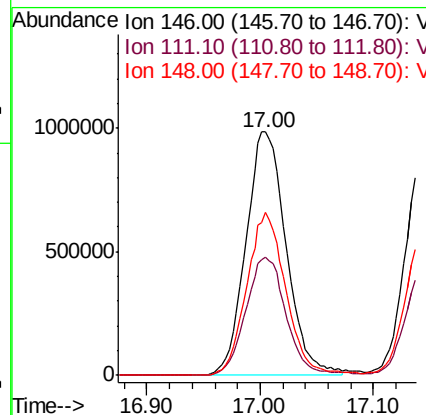
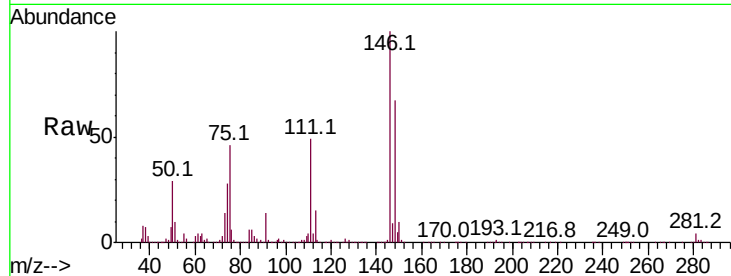
148 64.9 32.1 96.3

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#76

1,4-Dichlorobenzene

Concen: 9.920 ppbv

RT: 17.15 min Scan# 4466

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

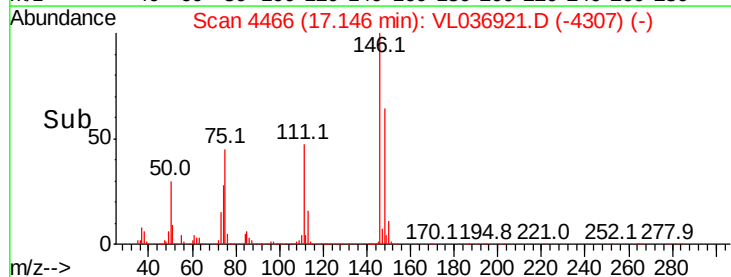
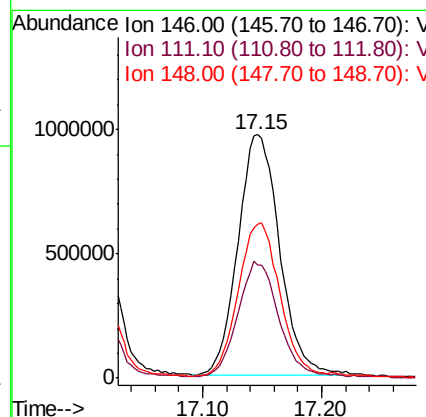
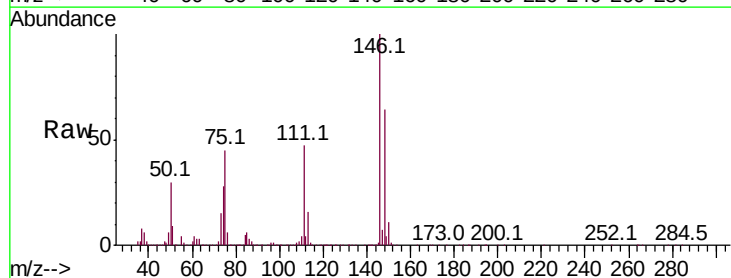
Tgt Ion:146 Resp: 2336452

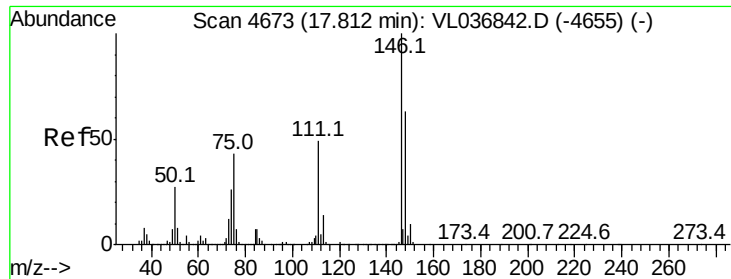
Ion Ratio Lower Upper

146 100

111 48.7 24.3 72.8

148 66.8 32.4 97.0





#77

1,2-Dichlorobenzene

Concen: 10.160 ppbv

RT: 17.83 min Scan# 4678

Delta R.T. 0.02 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion:146 Resp: 2388553

Ion Ratio Lower Upper

146 100

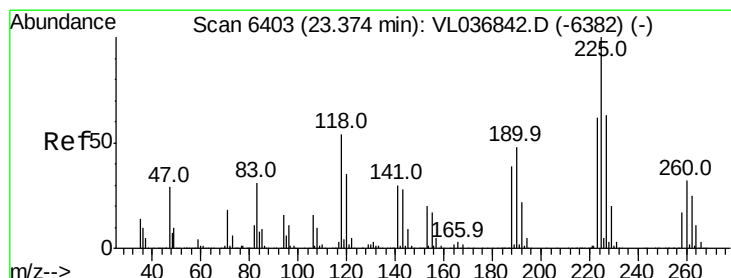
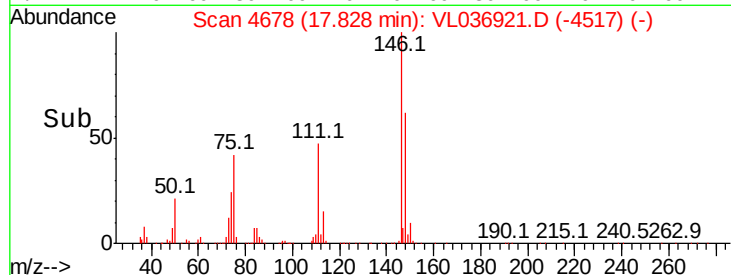
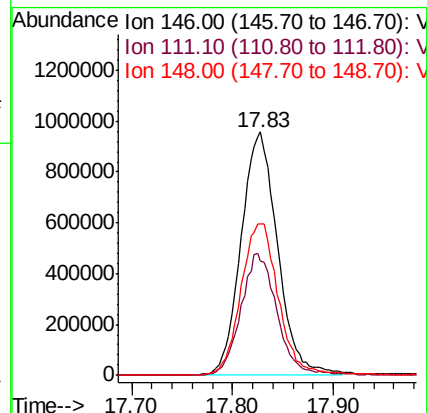
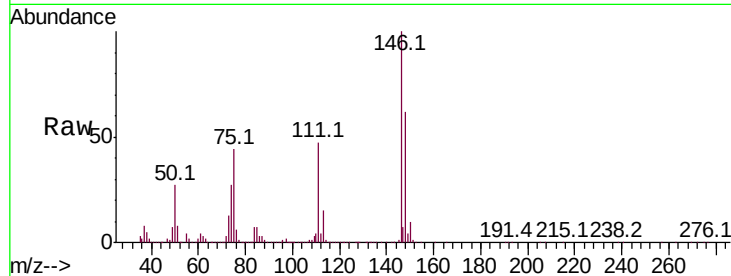
111 49.7 25.0 75.0

148 64.0 32.4 97.0

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#78

Hexachloro-1,3-Butadiene

Concen: 9.313 ppbv

RT: 23.39 min Scan# 6407

Delta R.T. 0.01 min

Lab File: VL036921.D

Acq: 7 May 2021 16:10

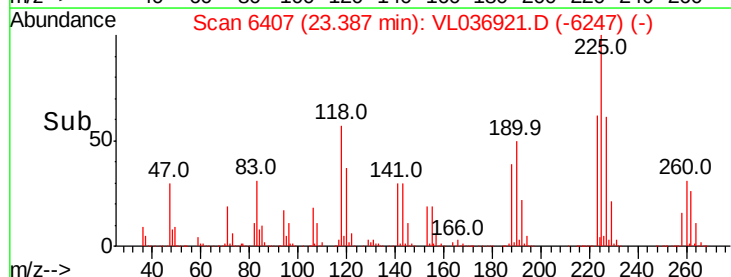
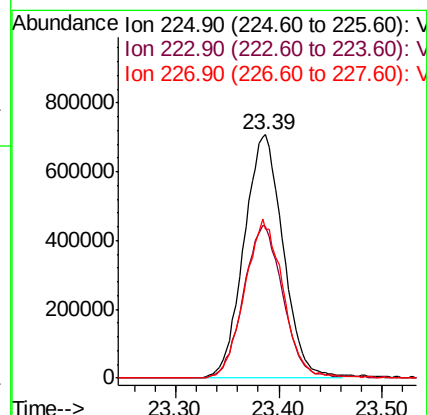
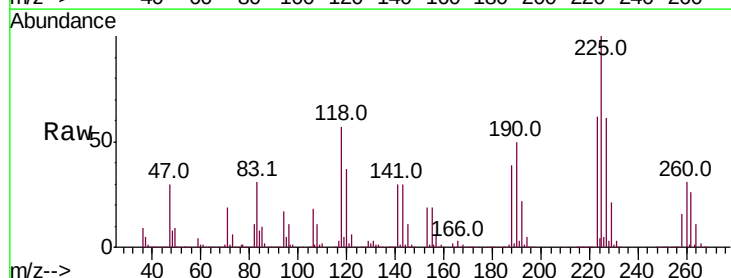
Tgt Ion:225 Resp: 1860327

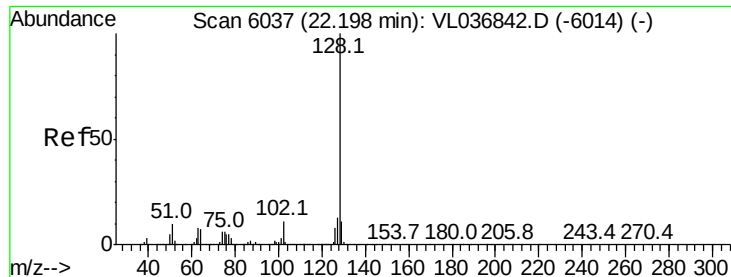
Ion Ratio Lower Upper

225 100

223 63.7 51.2 76.8

227 64.6 51.8 77.6





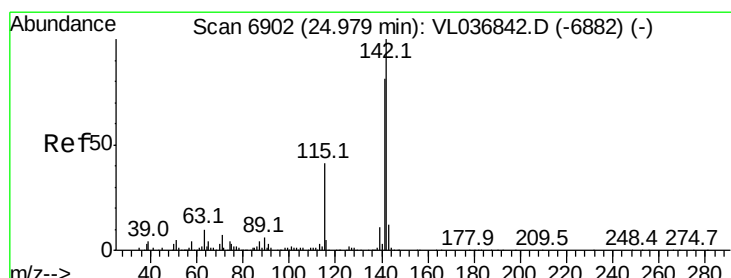
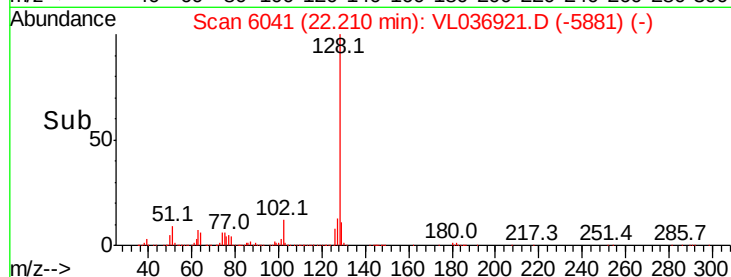
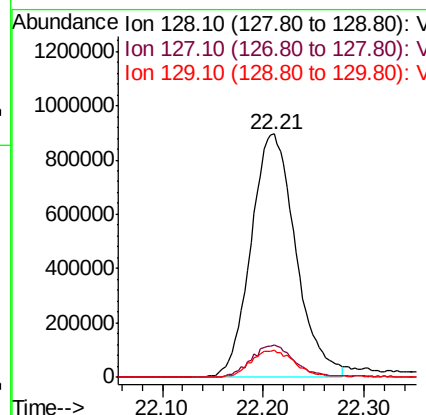
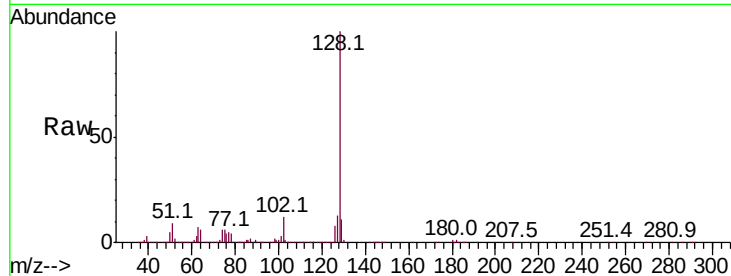
#79
Naphthalene
Concen: 12.044 ppbv
RT: 22.21 min Scan# 6041
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.1	9.0	13.4

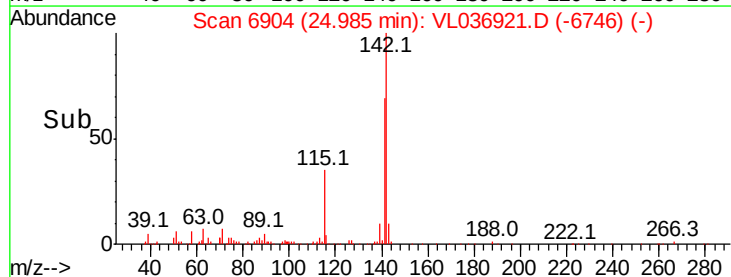
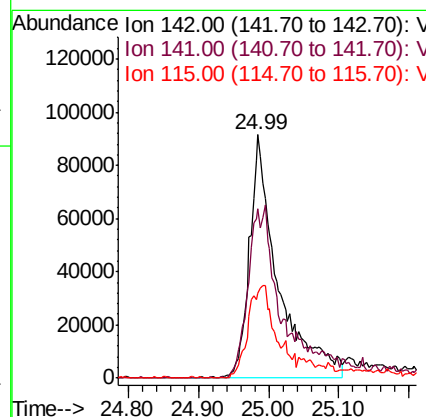
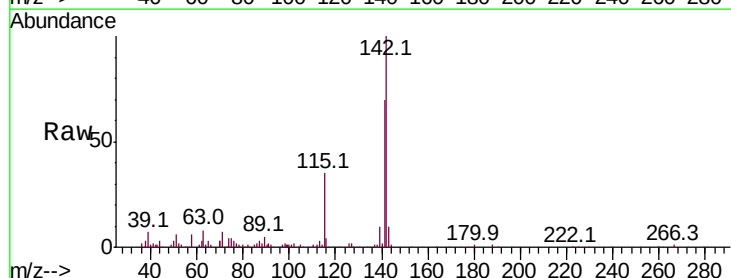
Manual Integrations
APPROVED

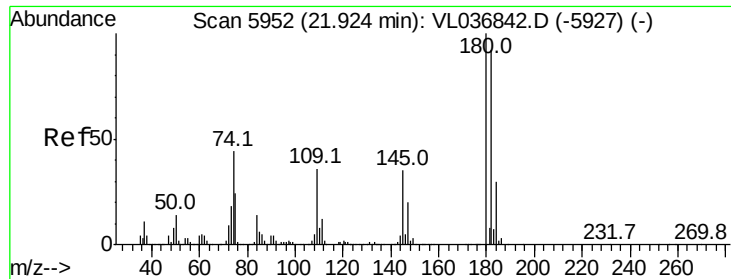
MMDadoda
5/10/2021 3:34:40 PM



#80
Naphthalene, 2-methyl-
Concen: 10.287 ppbv
RT: 24.99 min Scan# 6904
Delta R.T. 0.01 min
Lab File: VL036921.D
Acq: 7 May 2021 16:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.1	62.6	93.8
115	44.3	32.0	48.0





#81
 1,2,4-Trichlorobenzene
 Concen: 11.602 ppbv m
 RT: 21.94 min Scan# 5956
 Delta R.T. 0.01 min
 Lab File: VL036921.D
 Acq: 7 May 2021 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.5	80.9	121.3
184	31.3	25.3	37.9

Manual Integrations
 APPROVED

MMDadoda
 5/10/2021 3:34:40 PM

