

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036913.D
 Acq On : 7 May 2021 10:20
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 5/10/2021 3:34:23 PM

Quant Time: May 08 04:25:41 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	5.67	49	1403257	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3632329	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3319408m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2734532	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1909266	8.639 ppbv	98
3) Chlorodifluoromethane	2.99	51	2642176	10.337 ppbv	99
4) Chloromethane	3.14	50	857672	10.209 ppbv	95
5) Vinyl Chloride	3.26	62	837481	9.883 ppbv	94
6) Bromomethane	3.48	94	427825	9.388 ppbv	97
7) Chloroethane	3.56	64	277147	9.952 ppbv	90
8) Dichlorotetrafluoroethane	3.19	85	1985946	9.852 ppbv	99
9) Propene	3.01	41	788307	10.121 ppbv	98
10) Heptane	8.13	43	2030944	10.368 ppbv	98
11) Trichlorofluoromethane	3.95	101	1919590	9.731 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1250971	9.475 ppbv	98
13) Ethanol	3.62	45	87216m	8.780 ppbv	
14) Bromoethene	3.74	108	562523	10.429 ppbv	96
15) Acetone	3.85	43	1305446	9.870 ppbv	99
16) 1,3-Butadiene	3.33	39	872855	10.321 ppbv	97
17) tert-Butyl alcohol	4.30	59	1098039	10.228 ppbv	98
18) 1,1-Dichloroethene	4.29	96	575157	10.024 ppbv	97
19) Isopropyl Alcohol	3.97	45	633981	9.674 ppbv	99
20) Methylene Chloride	4.35	84	512784	8.107 ppbv	94
21) Allyl Chloride	4.42	41	889267	9.048 ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	567872	9.862 ppbv	97
23) Vinyl Acetate	5.08	43	2268516	12.609 ppbv	98
24) 1,1-Dichloroethane	5.01	63	1272499	9.964 ppbv	99
25) Ethyl Acetate	5.68	43	3057325	9.463 ppbv	99
26) Hexane	5.69	57	1503420	9.946 ppbv	93
27) Carbon Disulfide	4.55	76	1439322	10.963 ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1433985	10.703 ppbv	99
29) Chloroform	5.76	83	2360218	10.016 ppbv	98
30) Cyclohexane	7.13	84	1246189	10.397 ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1413718	10.420 ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2387782	9.964 ppbv	100
34) 2-Butanone	5.25	43	1436739	9.030 ppbv	97
35) Carbon Tetrachloride	7.02	117	2478804	10.057 ppbv	98
36) Benzene	6.90	78	3118694	10.190 ppbv	99
37) 1,2-Dichloroethane	6.31	62	1758145	10.145 ppbv	99
38) Trichloroethene	7.84	130	1138737	10.451 ppbv	98
39) 1,2-Dichloropropane	7.62	63	1219193	9.944 ppbv	97
40) 1,4-Dioxane	7.84	88	275946	9.320 ppbv	91
41) Tetrahydrofuran	6.06	42	669716	9.622 ppbv	100
42) Bromodichloromethane	7.80	83	2539823	10.548 ppbv	100
43) Methyl Methacrylate	8.02	69	1168177	11.698 ppbv	95

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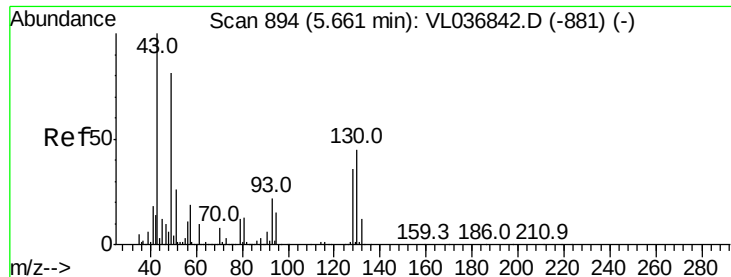
Manual Integrations
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Quant Time: May 08 04:25:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Apr 27 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5238994	9.989	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	861745	8.005	ppbv	94
46) cis-1,3-Dichloropropene	8.70	75	1160200	8.406	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1279018	10.076	ppbv	97
48) Dibromochloromethane	10.30	129	2119385	11.268	ppbv	98
49) Bromoform	13.04	173	1742525	11.604	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2194898	10.092	ppbv	99
51) 2-Hexanone	10.14	43	1128054	10.399	ppbv #	96
52) Tetrachloroethene	11.23	164	1052936	10.104	ppbv	98
53) Toluene	9.81	91	3457260	10.796	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1804054	10.066	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.12	131	1460461	10.495	ppbv #	62
57) Chlorobenzene	12.15	112	2600362	10.058	ppbv	98
58) Ethyl Benzene	12.71	91	4634770	11.008	ppbv	99
59) m/p-Xylene	13.00	91	7892300m	20.974	ppbv	
60) o-Xylene	13.69	91	3732521	10.259	ppbv	100
61) Styrene	13.53	104	1986246	11.625	ppbv	100
62) Isopropylbenzene	14.67	105	5119896	10.343	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2807974	9.627	ppbv	99
64) n-propylbenzene	15.56	120	1339825	10.860	ppbv	98
65) tert-Butylbenzene	16.74	119	4451504	10.171	ppbv	99
66) Benzyl Chloride	16.99	91	353192m	8.253	ppbv	
67) sec-Butylbenzene	17.29	105	6290868	10.351	ppbv	100
69) p-Isopropyltoluene	17.65	119	5157560	10.585	ppbv	99
70) n-Butylbenzene	18.55	91	5347580	10.889	ppbv	100
71) 2-Chlorotoluene	15.46	91	3997178	10.903	ppbv	100
72) 4-Ethyltoluene	15.84	105	4227284	10.824	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3889030	10.268	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	4092140	10.172	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	2425199	10.198	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2304997	9.904	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2352993	10.130	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1813212	9.187	ppbv	99
79) Naphthalene	22.20	128	2734484	12.136	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	370024	14.892	ppbv	91
81) 1,2,4-Trichlorobenzene	21.93	180	1684717	11.560	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

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Tot Ion: 49 Resp: 1403257

Ion Ratio Lower Upper

49 100

128 51.1 24.4 73.2

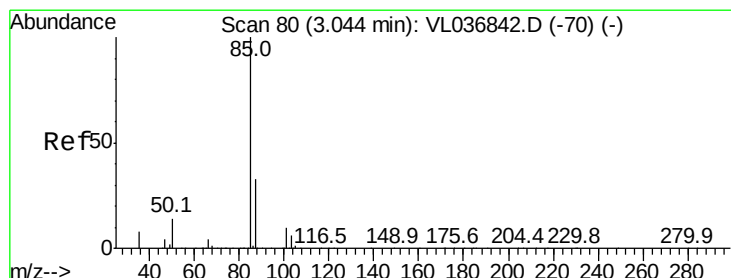
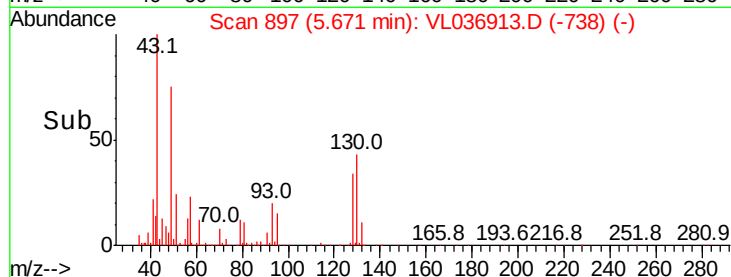
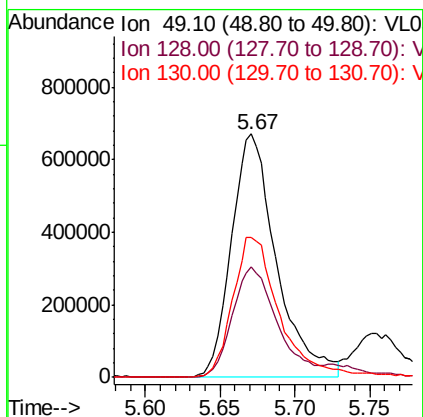
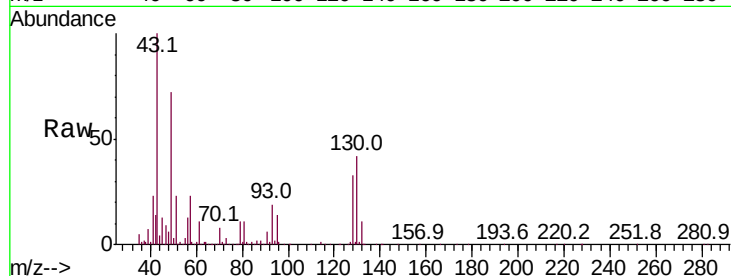
130 61.3 30.3 90.8

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5/10/2021 3:34:23 PM



#2

Dichlorodifluoromethane

Concen: 8.639 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL036913.D

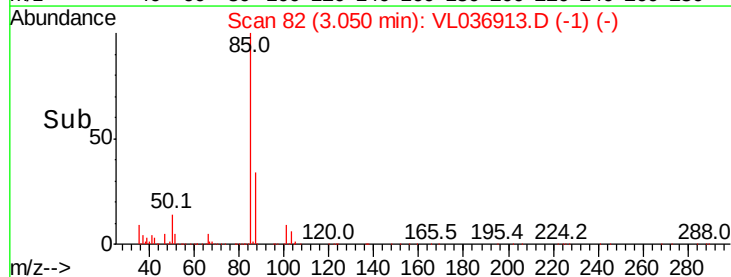
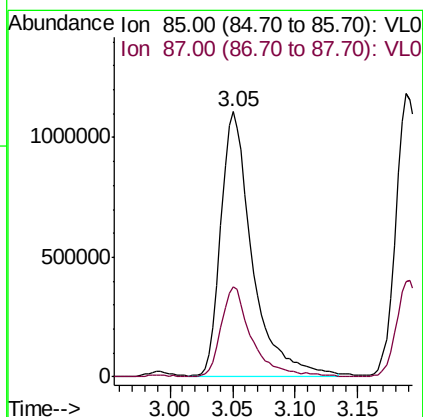
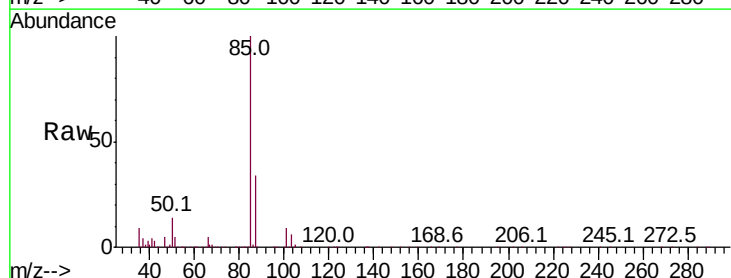
Acq: 7 May 2021 10:20

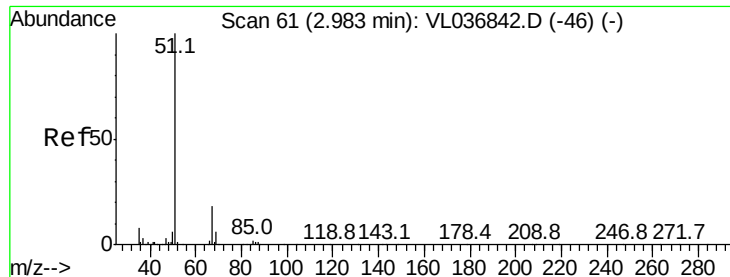
Tgt Ion: 85 Resp: 1909266

Ion Ratio Lower Upper

85 100

87 33.7 26.2 39.2





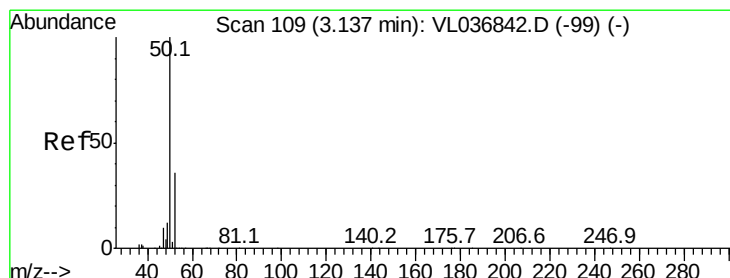
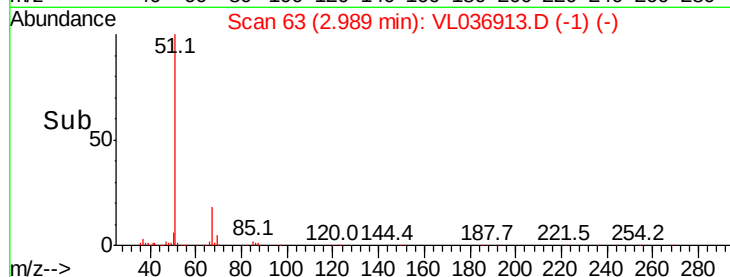
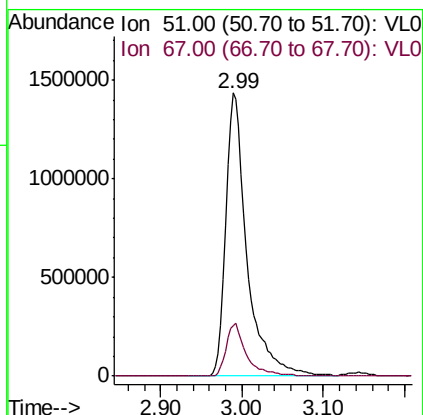
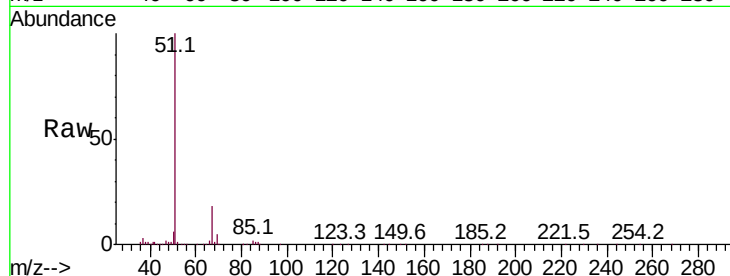
#3
Chlorodifluoromethane
Concen: 10.337 ppbv
RT: 2.99 min Scan# 63
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

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MSVOA_L
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Tot Ion: 51 Resp: 2642176
Ion Ratio Lower Upper
51 100
67 18.0 14.8 22.2

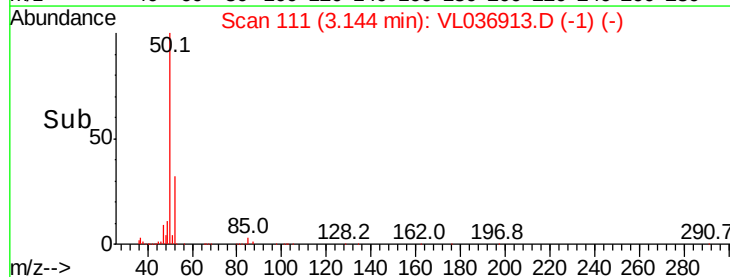
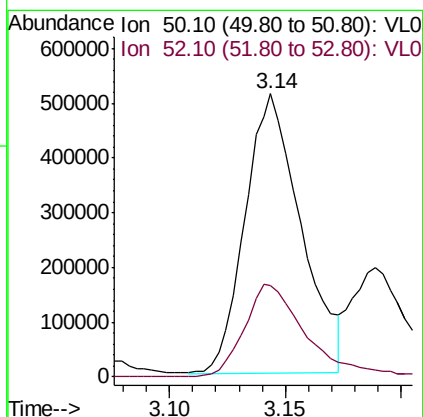
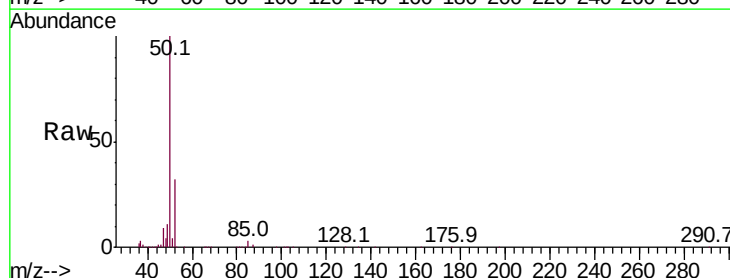
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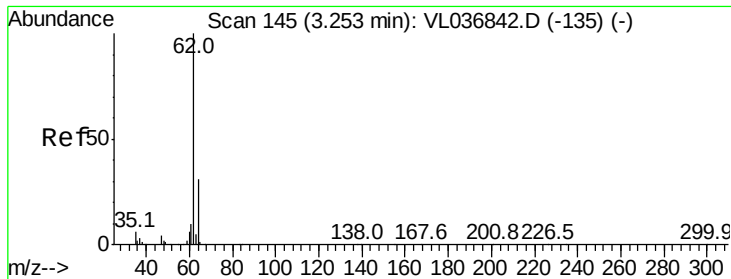
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#4
Chloromethane
Concen: 10.209 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion: 50 Resp: 857672
Ion Ratio Lower Upper
50 100
52 32.4 28.5 42.7





#5

Vinyl Chloride

Concen: 9.883 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

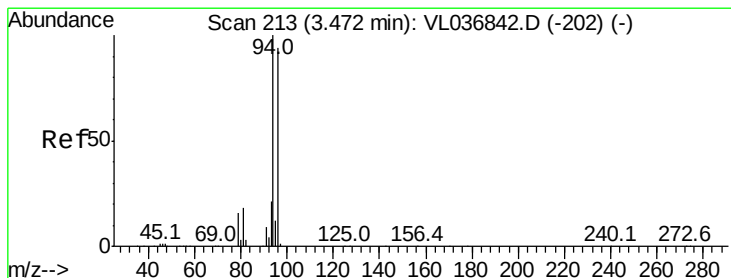
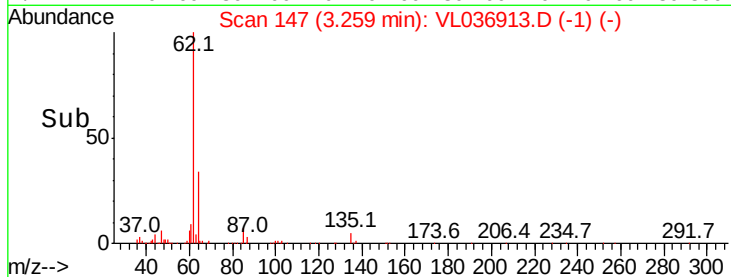
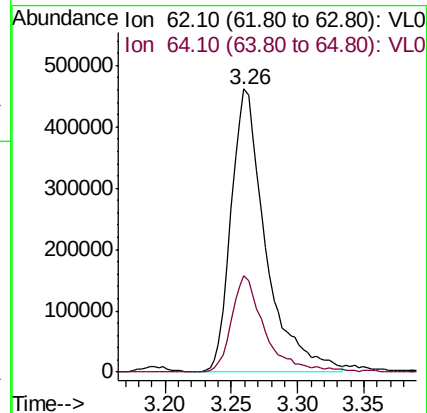
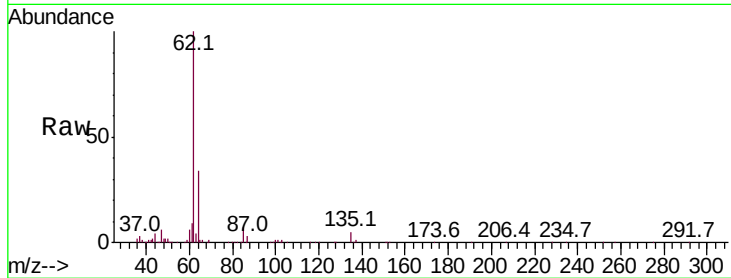
ClientSampleId :

VSTDCCC010

Tot Ion	Ratio	Lower	Upper
62	100		
64	34.4	25.0	37.4

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5/10/2021 3:34:23 PM



#6

Bromomethane

Concen: 9.388 ppbv

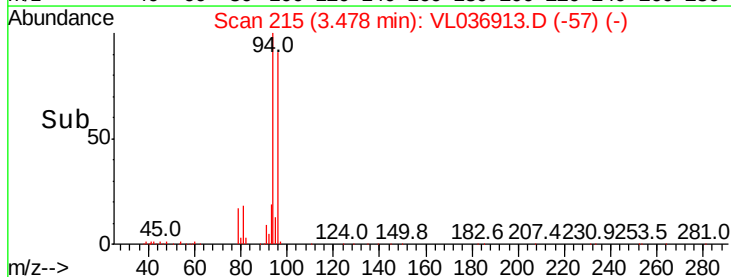
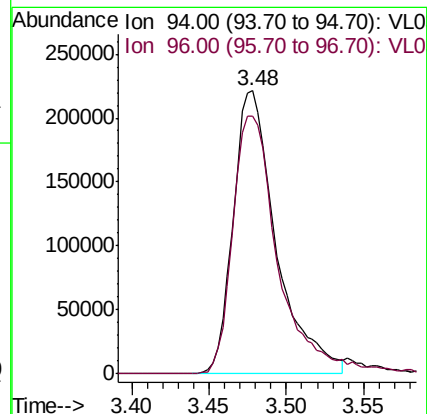
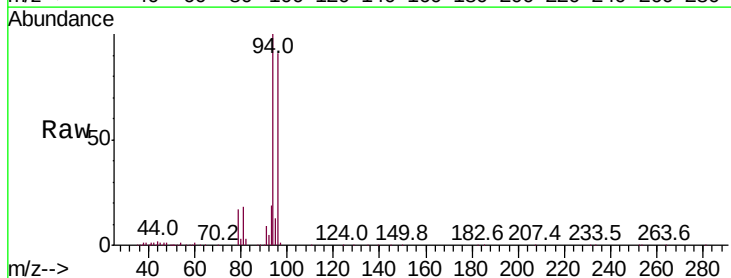
RT: 3.48 min Scan# 215

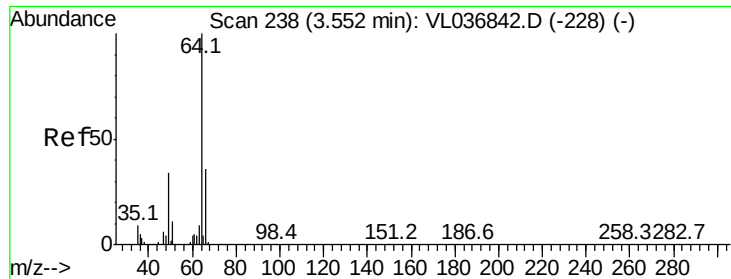
Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Tgt Ion	Ratio	Lower	Upper
94	100		
96	91.3	75.4	113.0





#7

Chloroethane

Concen: 9.952 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 277147

Ion Ratio Lower Upper

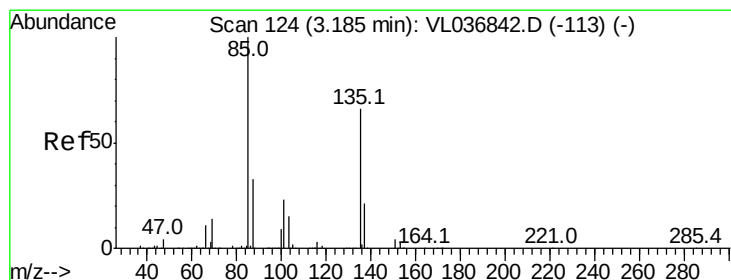
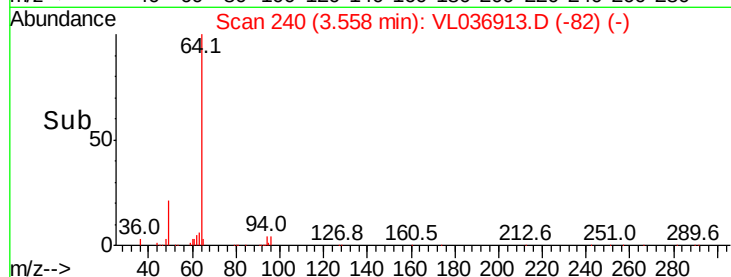
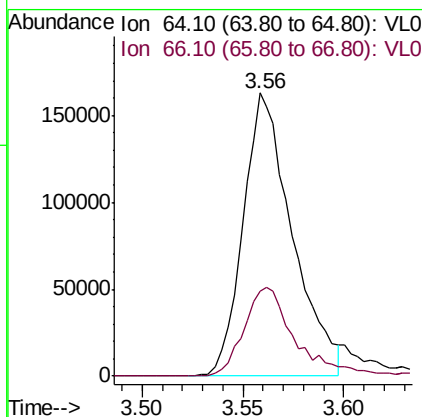
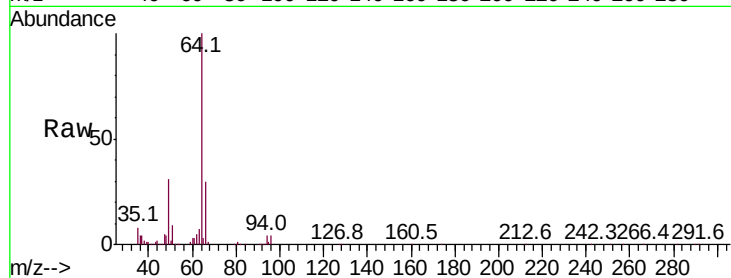
64 100

66 30.1 29.0 43.6

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5/10/2021 3:34:23 PM



#8

Dichlorotetrafluoroethane

Concen: 9.852 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL036913.D

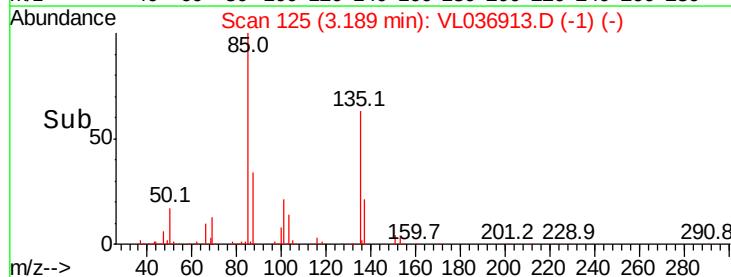
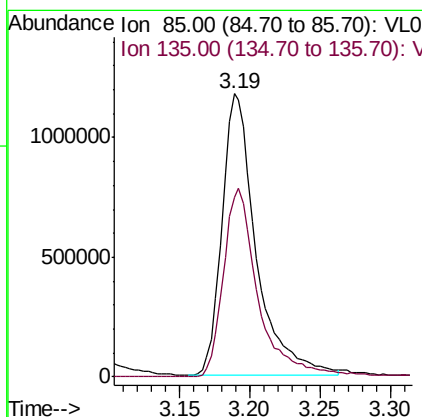
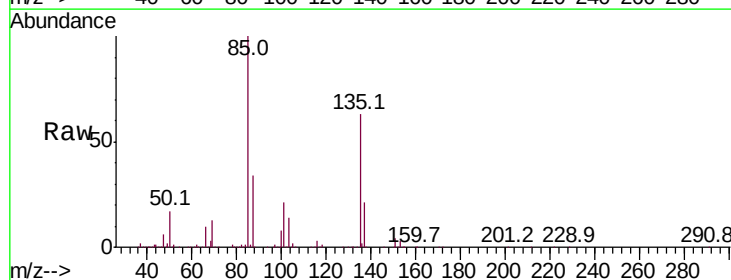
Acq: 7 May 2021 10:20

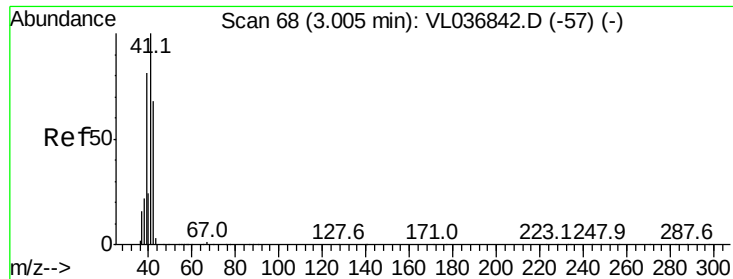
Tgt Ion: 85 Resp: 1985946

Ion Ratio Lower Upper

85 100

135 69.5 56.2 84.4





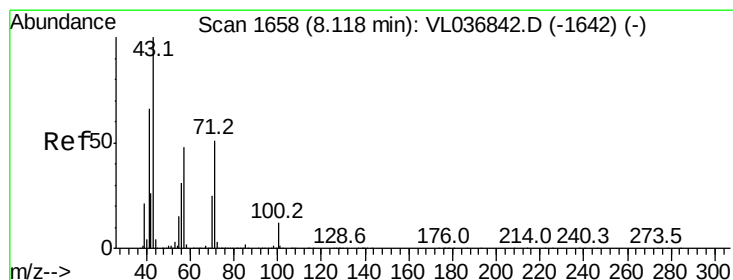
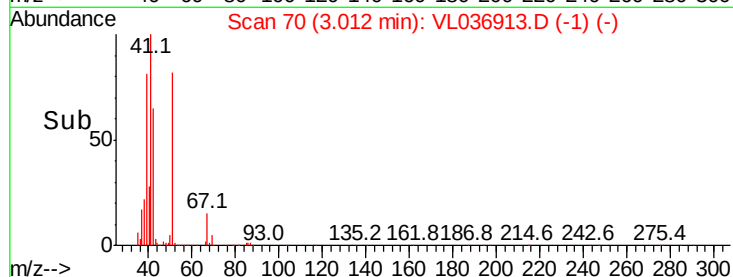
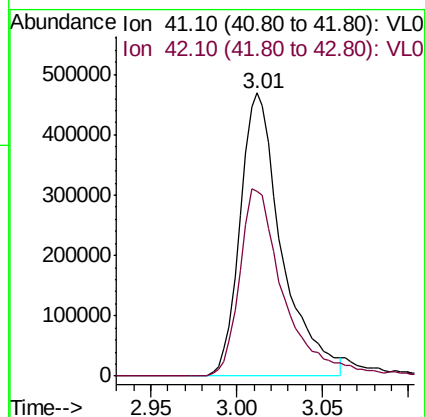
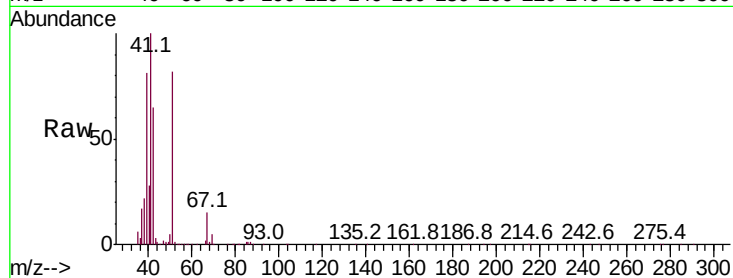
#9
 Propene
 Concen: 10.121 ppbv
 RT: 3.01 min Scan# 70
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 41 Resp: 788307
 Ion Ratio Lower Upper
 41 100
 42 71.4 56.0 84.0

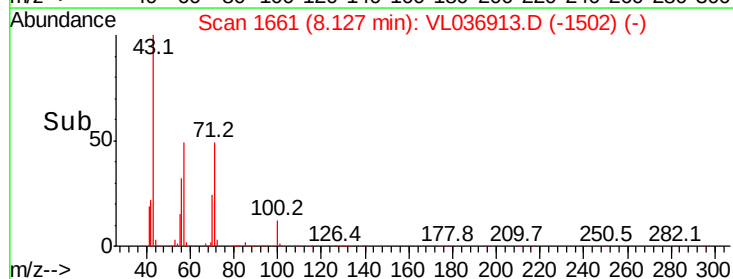
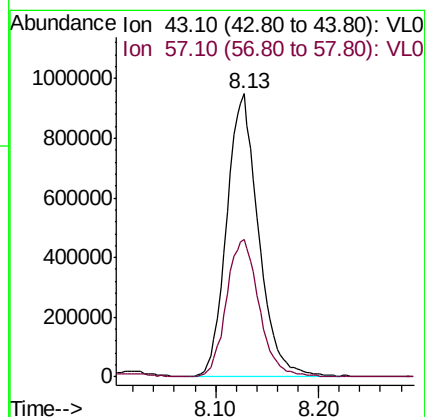
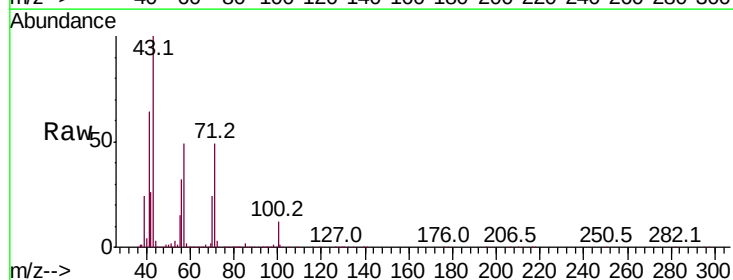
Manual Integrations
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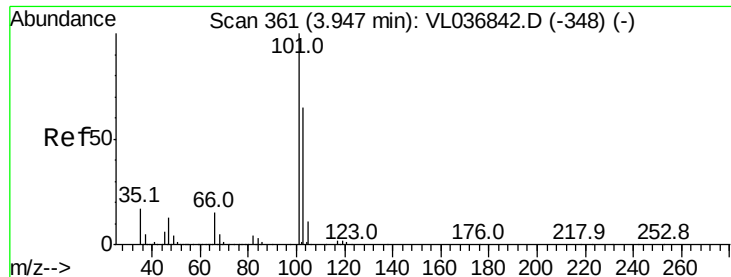
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 5/10/2021 3:34:23 PM



#10
 Heptane
 Concen: 10.368 ppbv
 RT: 8.13 min Scan# 1661
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Tgt Ion: 43 Resp: 2030944
 Ion Ratio Lower Upper
 43 100
 57 49.9 38.8 58.2





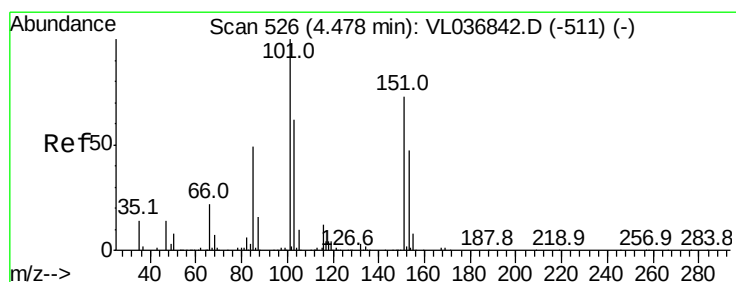
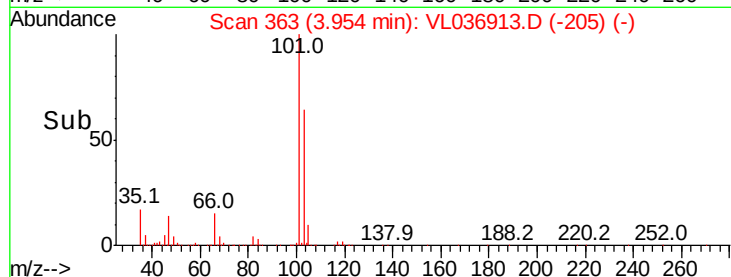
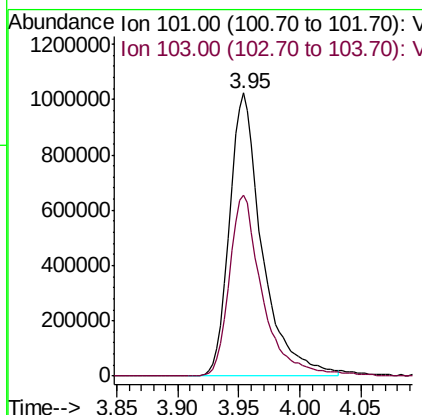
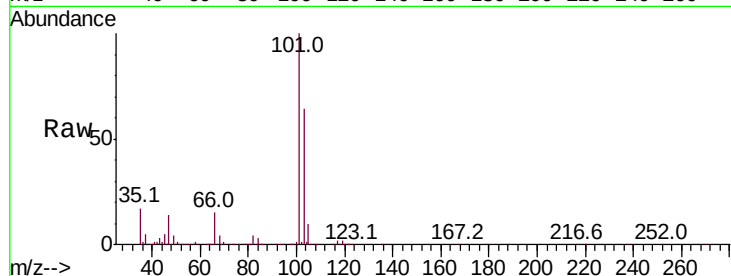
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 Trichlorofluoromethane
 Concen: 9.731 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1919590
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.6 77.4

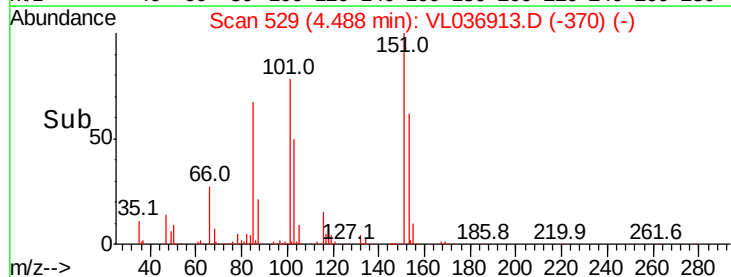
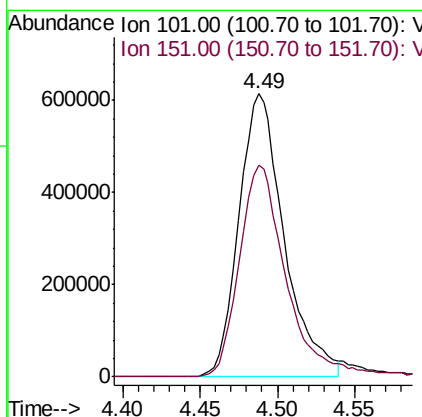
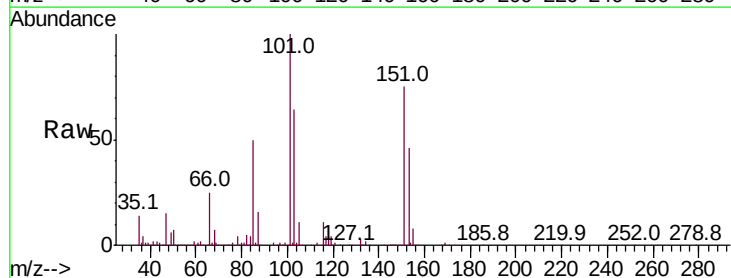
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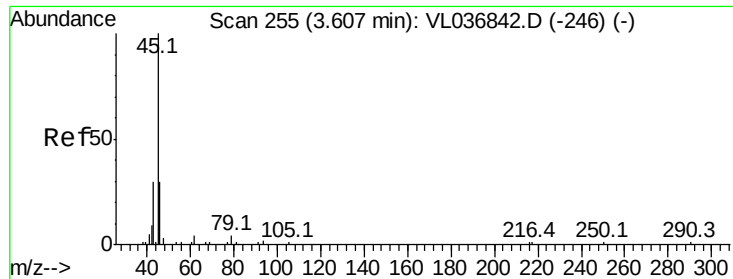
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.475 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Tgt Ion:101 Resp: 1250971
 Ion Ratio Lower Upper
 101 100
 151 78.4 61.1 91.7





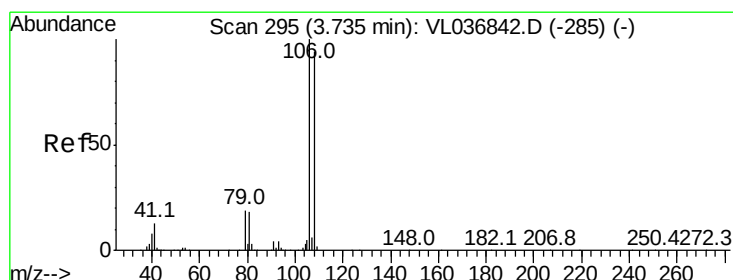
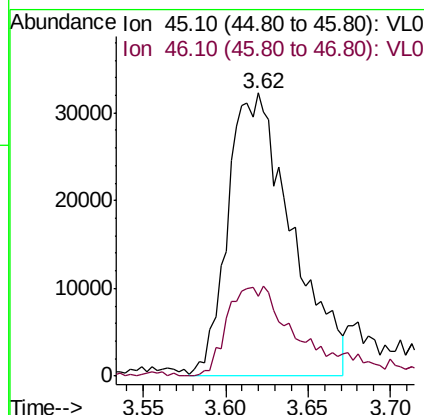
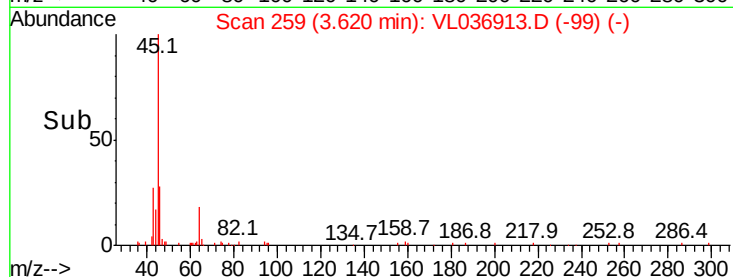
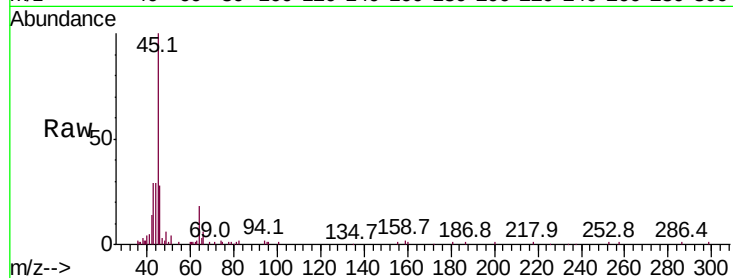
#13
Ethanol
Concen: 8.780 ppbv m
RT: 3.62 min Scan# 259
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.8	67.4#

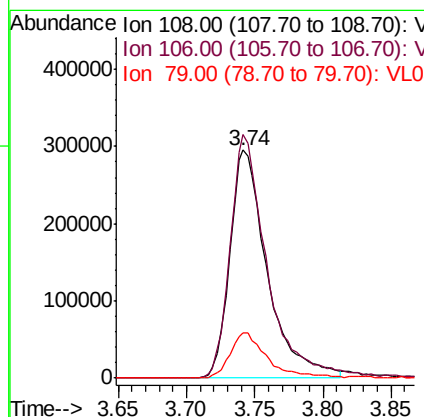
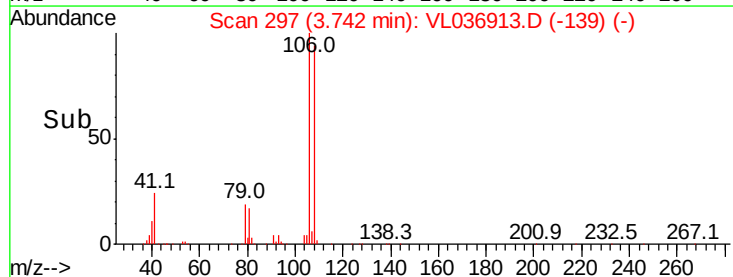
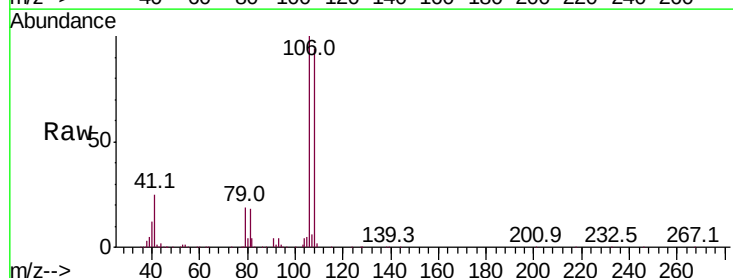
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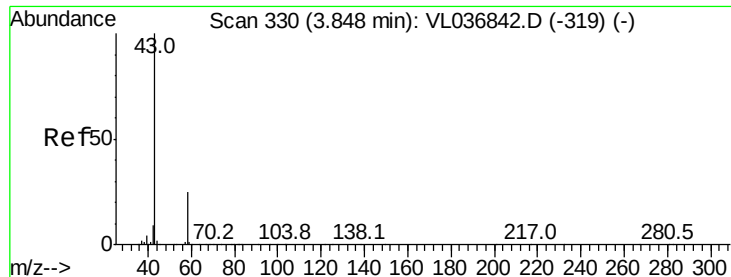
MMDadoda
5/10/2021 3:34:23 PM



#14
Bromoethene
Concen: 10.429 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.0	88.5	132.7
79	20.1	17.9	26.9





#15

Acetone

Concen: 9.870 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1305446

Ion Ratio Lower Upper

43 100

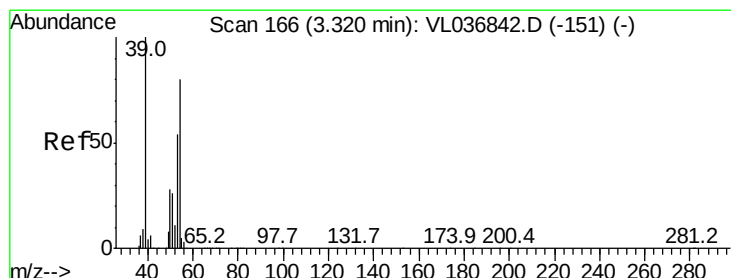
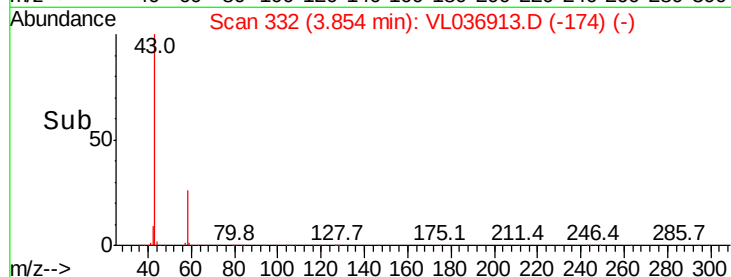
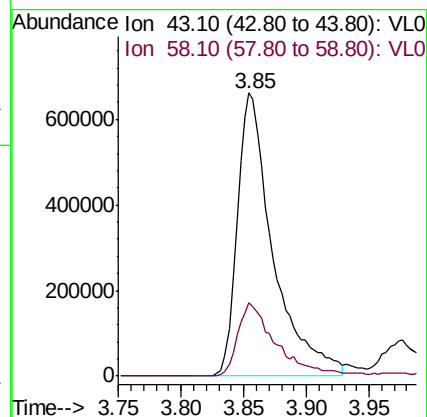
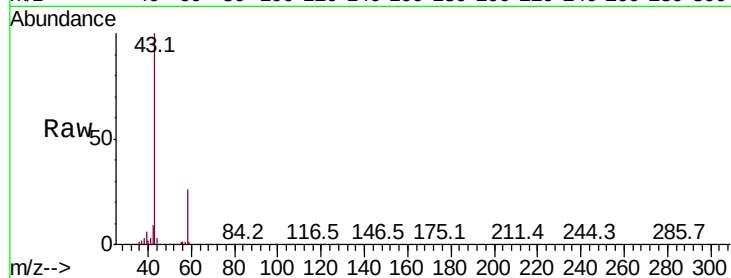
58 27.9 21.7 32.5

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#16

1,3-Butadiene

Concen: 10.321 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL036913.D

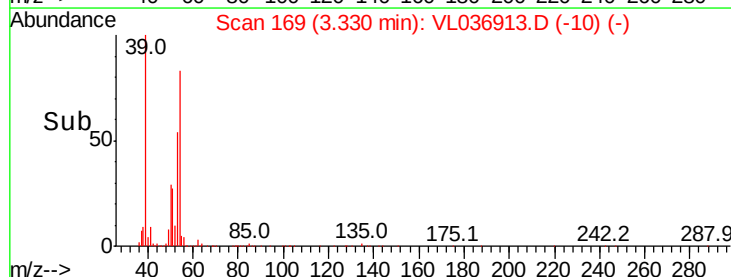
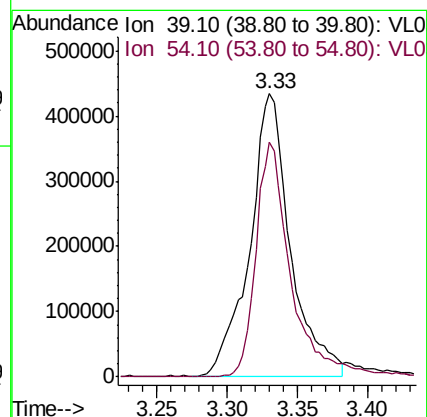
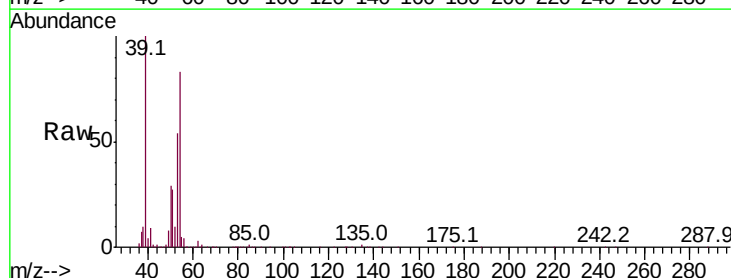
Acq: 7 May 2021 10:20

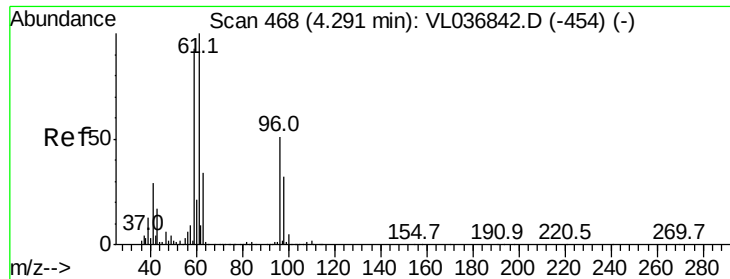
Tgt Ion: 39 Resp: 872855

Ion Ratio Lower Upper

39 100

54 72.3 59.6 89.4





#17

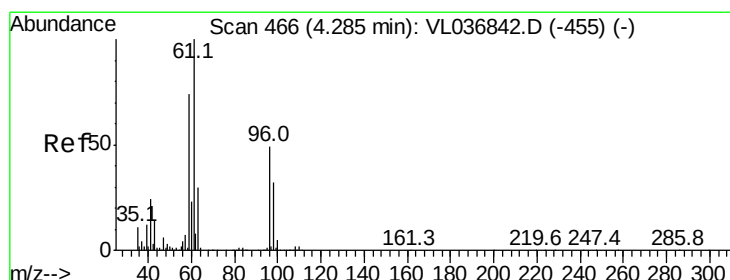
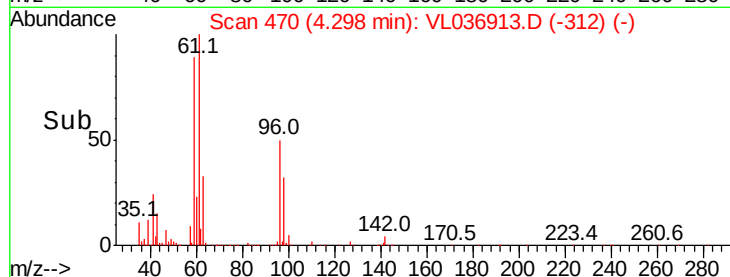
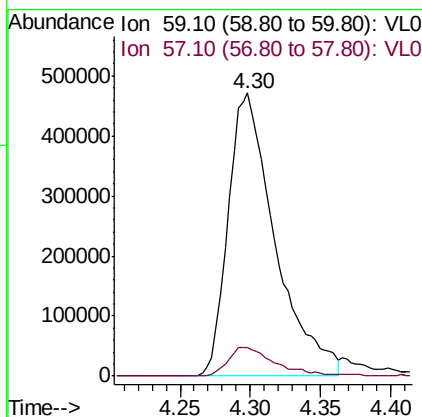
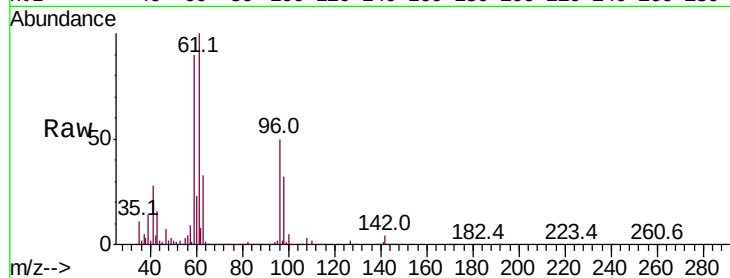
tert-Butyl alcohol
Concen: 10.228 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1098039
Ion Ratio Lower Upper
59 100
57 11.1 8.3 12.5

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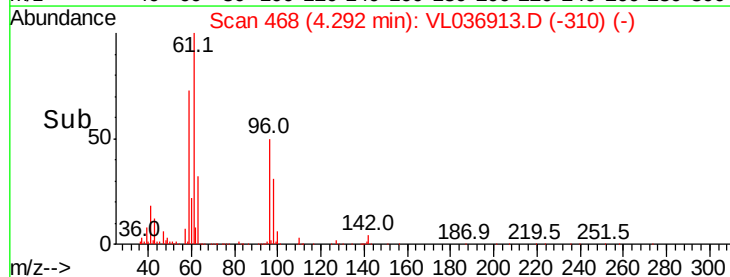
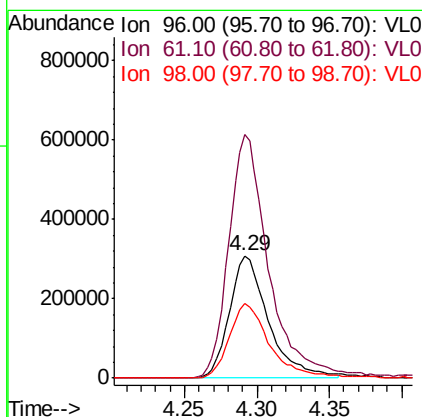
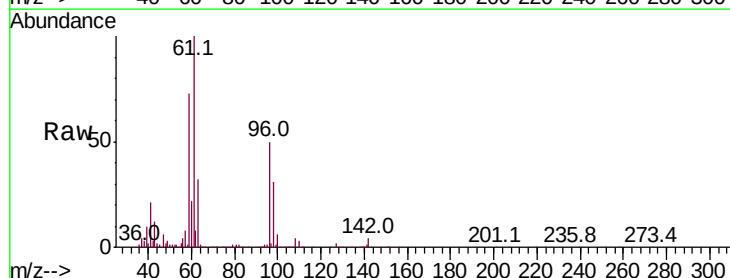
MMDadoda
5/10/2021 3:34:23 PM

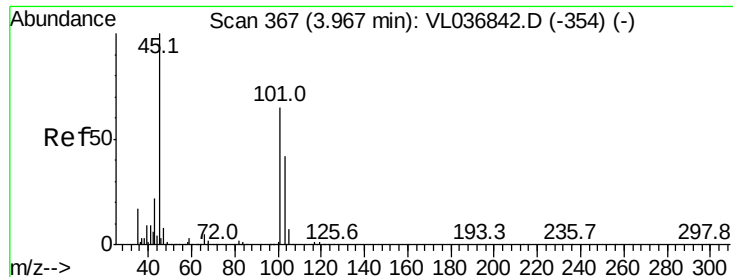


#18

1,1-Dichloroethene
Concen: 10.024 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion: 96 Resp: 575157
Ion Ratio Lower Upper
96 100
61 199.1 162.2 243.2
98 61.2 51.8 77.6





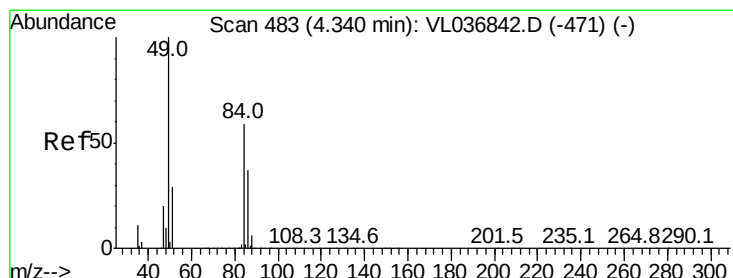
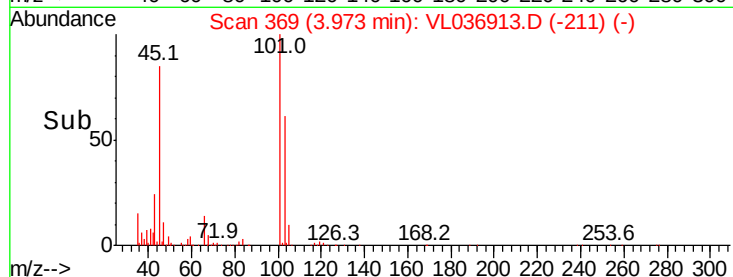
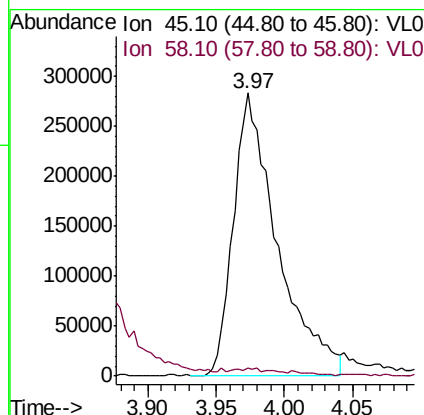
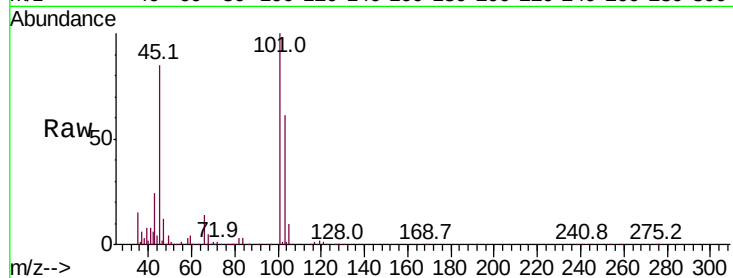
#19
Isopropyl Alcohol
Concen: 9.674 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 633981
Ion Ratio Lower Upper
45 100
58 3.8 2.8 4.2

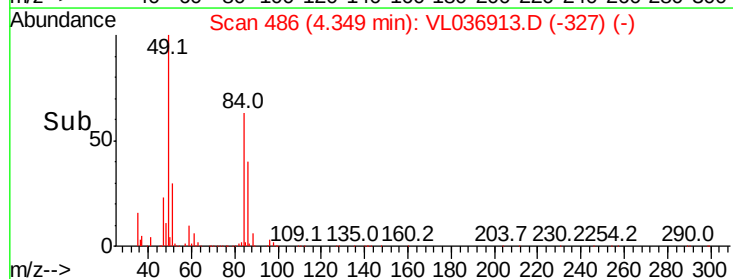
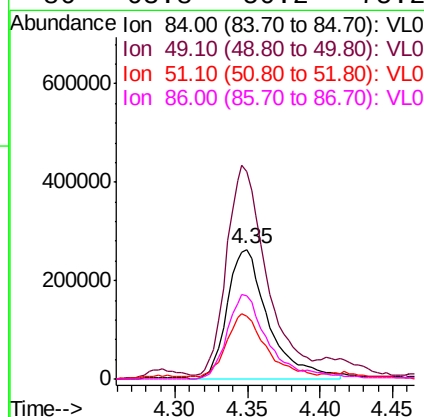
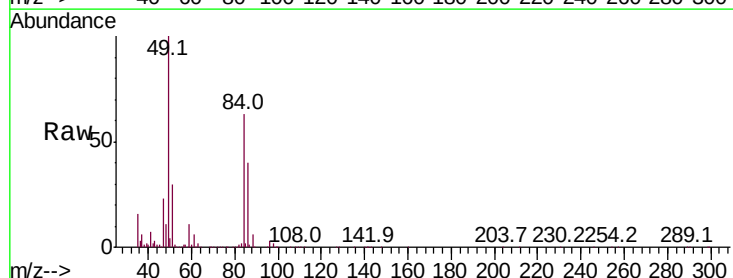
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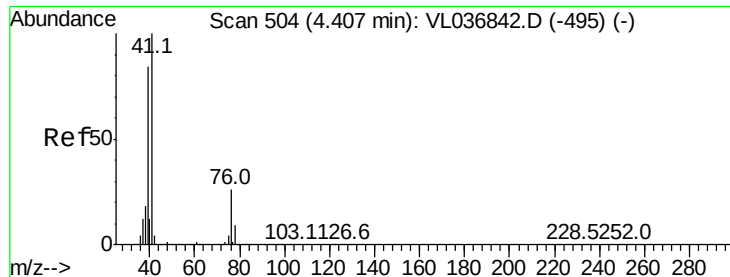
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#20
Methylene Chloride
Concen: 8.107 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion: 84 Resp: 512784
Ion Ratio Lower Upper
84 100
49 156.9 135.4 203.0
51 47.1 39.3 58.9
86 63.8 50.2 75.2





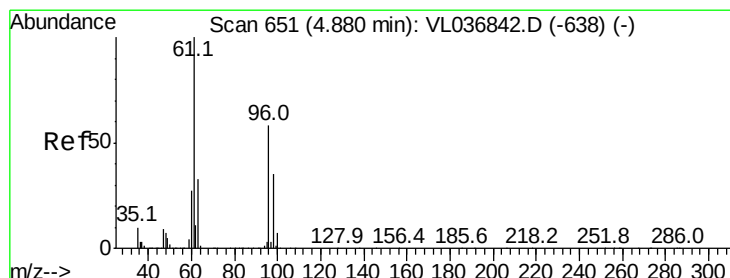
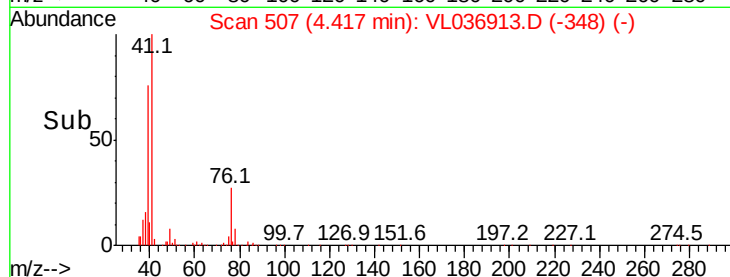
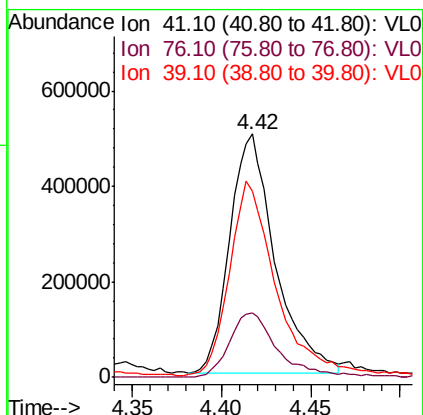
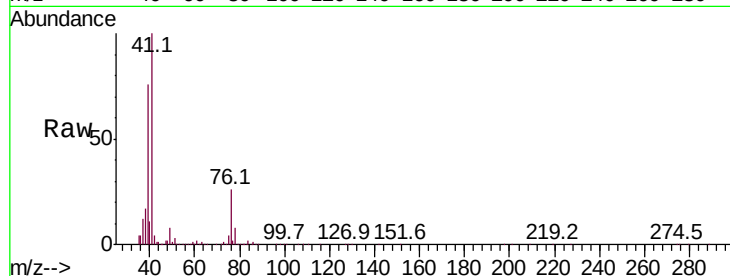
#21
Allvl Chloride
Concen: 9.048 ppbv
RT: 4.42 min Scan# 507
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
41	100	889267		
76	29.2		22.4	33.6
39	83.9		68.4	102.6

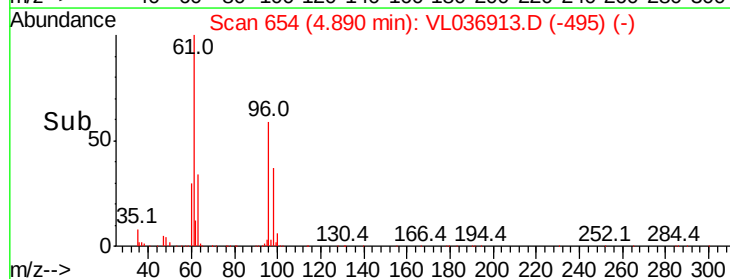
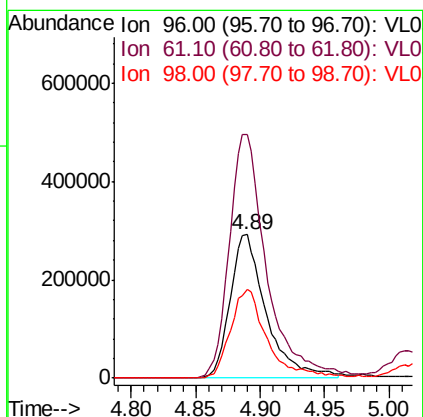
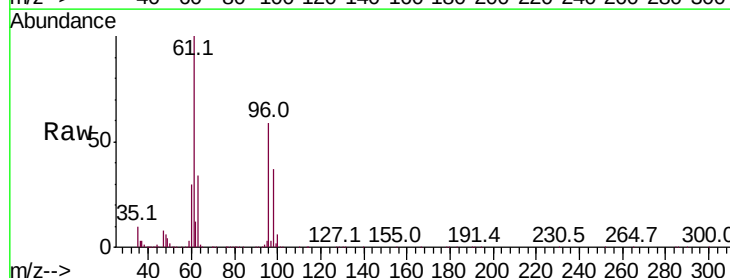
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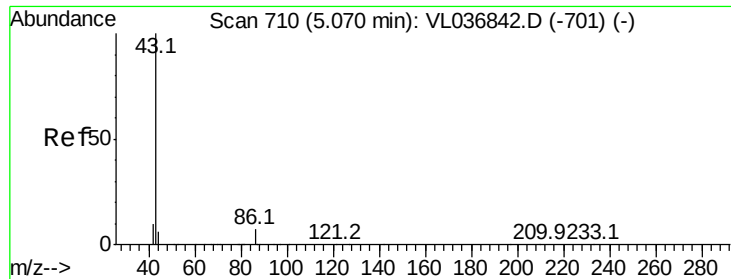
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#22
trans-1,2-Dichloroethene
Concen: 9.862 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	567872		
61	169.6		138.6	207.8
98	62.0		48.1	72.1





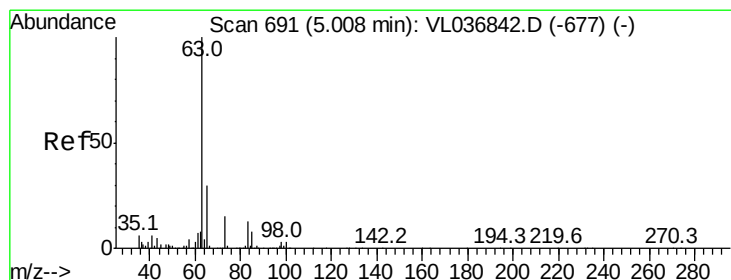
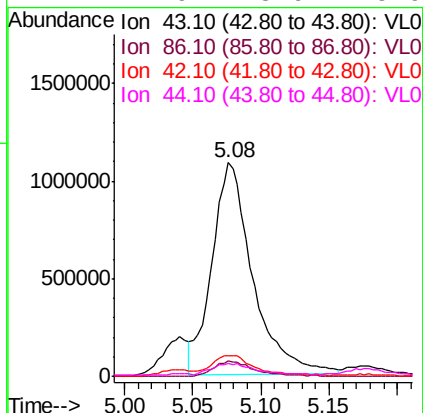
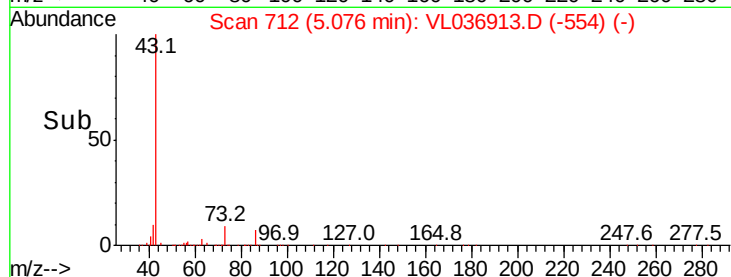
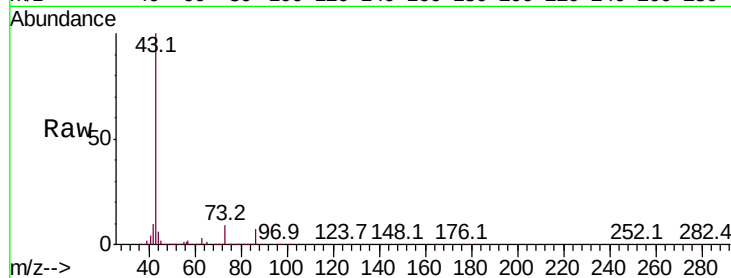
#23
 Vinyl Acetate
 Concen: 12.609 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	43	Resp	2268516
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.3	7.9
42	9.5	8.7	13.1
44	4.9	3.9	5.9

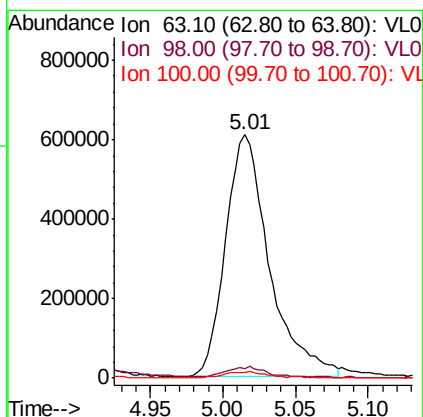
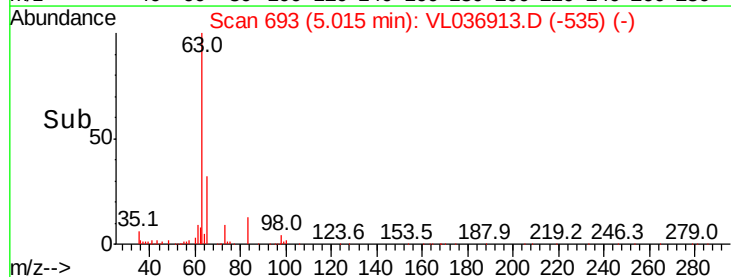
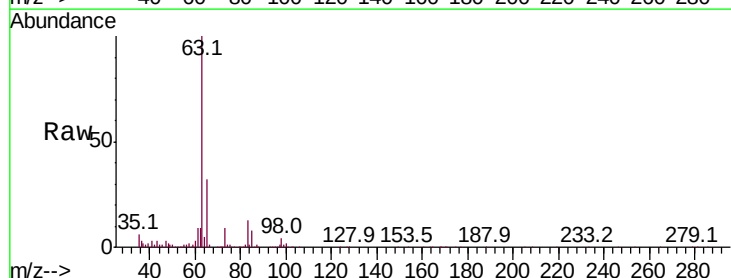
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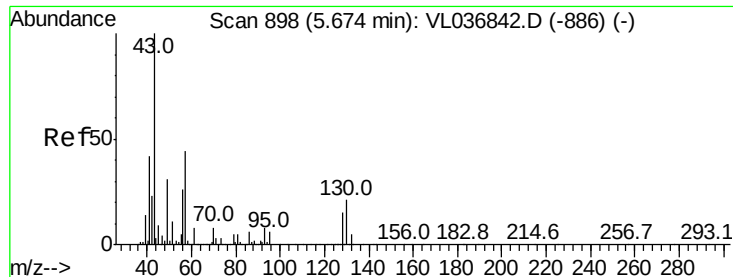
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#24
 1,1-Dichloroethane
 Concen: 9.964 ppbv
 RT: 5.01 min Scan# 693
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Tgt Ion	63	Resp	1272499
Ion	Ratio	Lower	Upper
63	100		
98	3.6	1.7	5.1
100	2.2	1.3	3.8





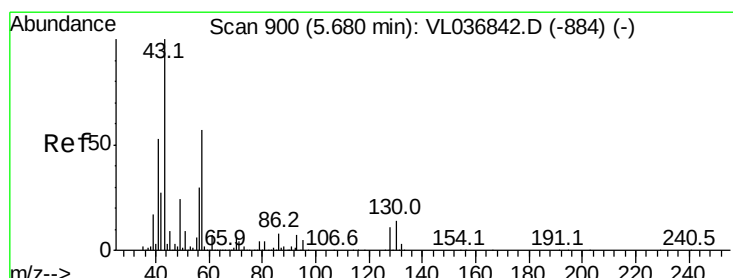
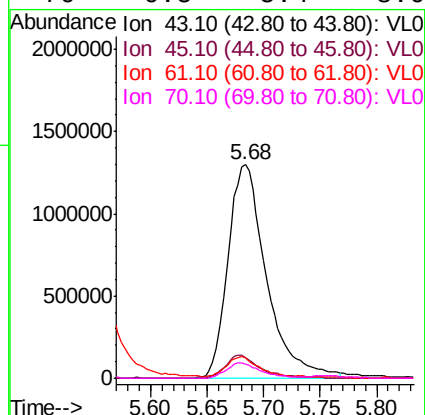
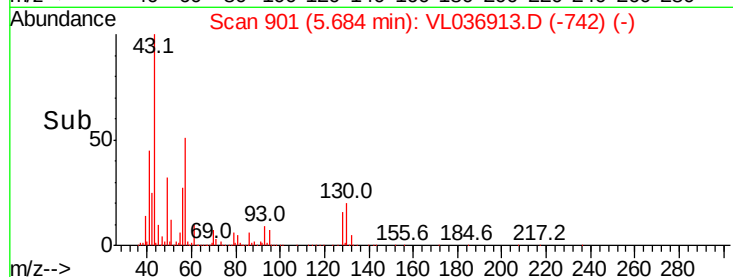
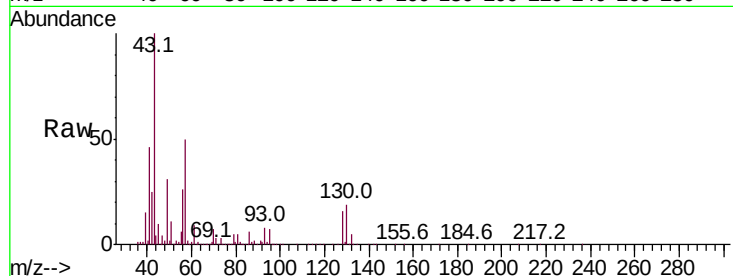
#25
Ethyl Acetate
Concen: 9.463 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.0	7.8	11.8	
61	9.4	7.4	11.0	
70	6.5	5.4	8.0	

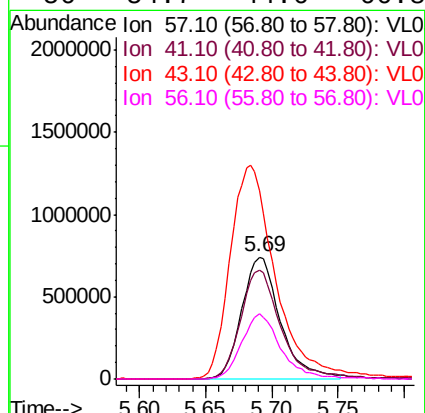
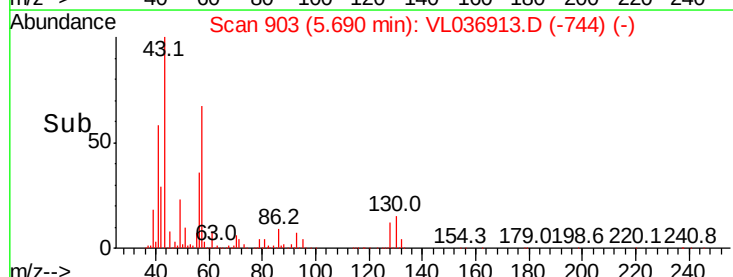
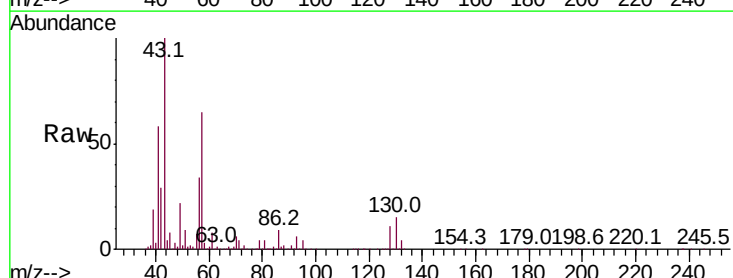
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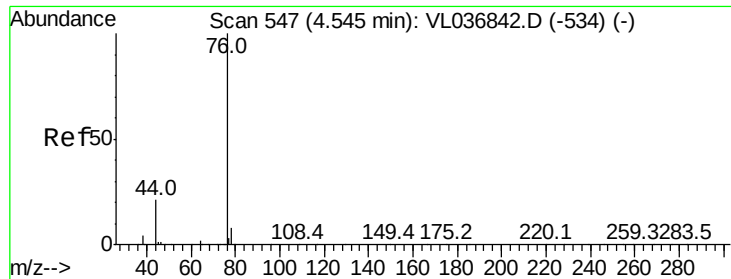
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#26
Hexane
Concen: 9.946 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	94.4	77.7	116.5	
43	208.2	180.5	270.7	
56	54.7	44.6	66.8	





#27

Carbon Disulfide

Concen: 10.963 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

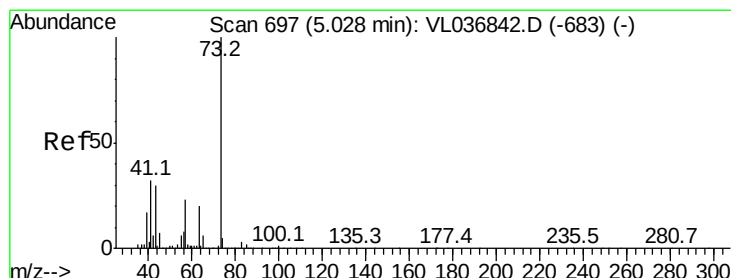
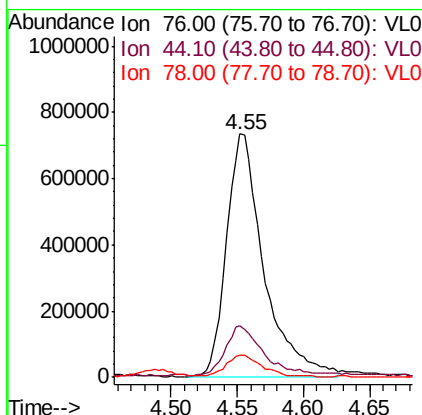
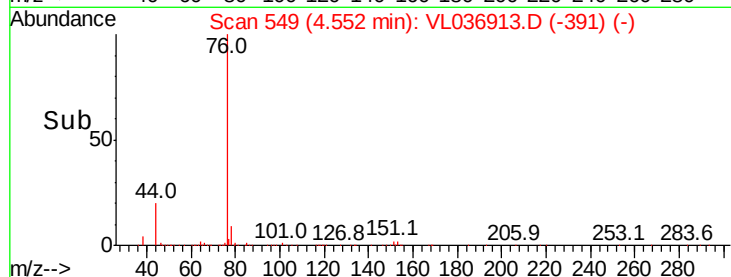
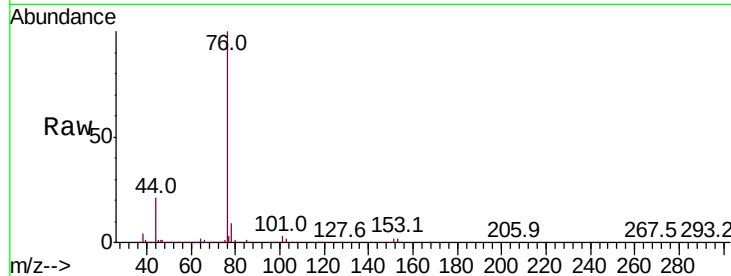
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 76 Resp: 1439322

Ion	Ratio	Lower	Upper
76	100		
44	22.0	16.9	25.3
78	9.2	7.9	11.9

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 10.703 ppbv

RT: 5.04 min Scan# 701

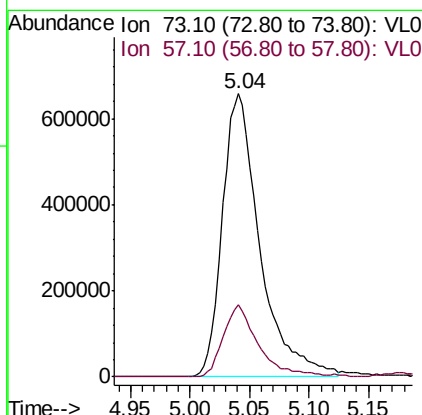
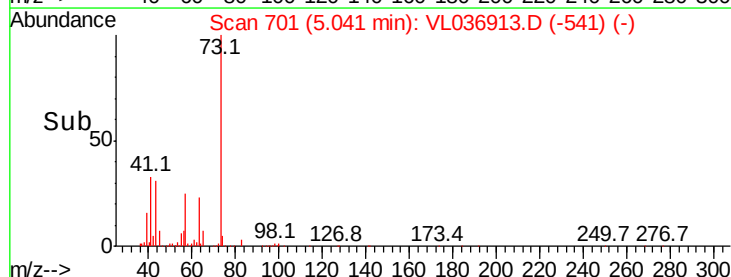
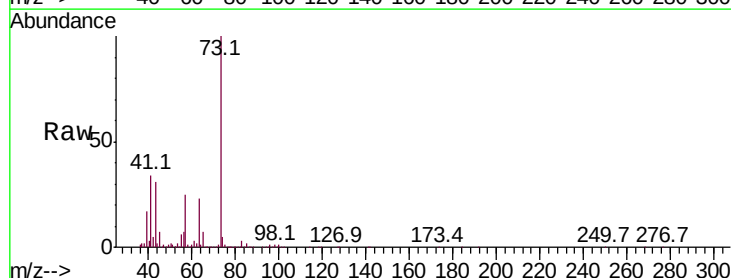
Delta R.T. 0.01 min

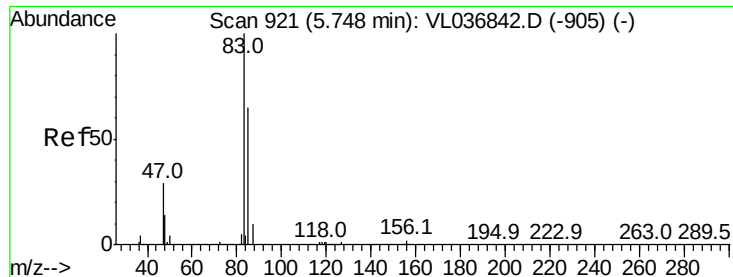
Lab File: VL036913.D

Acq: 7 May 2021 10:20

Tgt Ion: 73 Resp: 1433985

Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.0	28.6





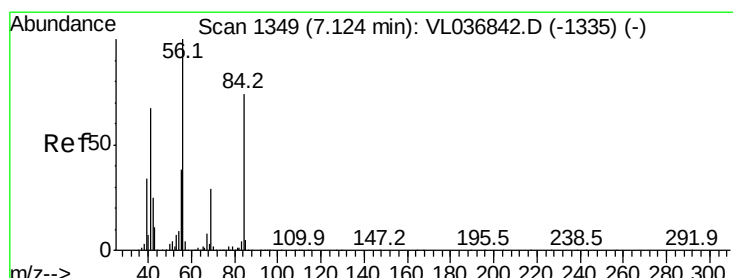
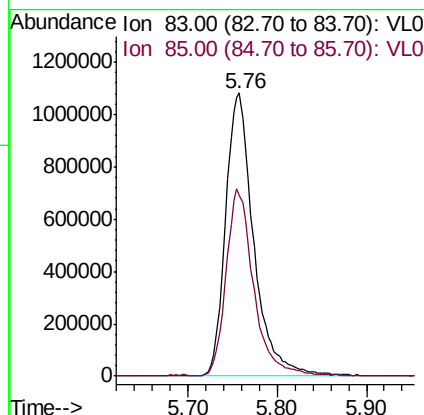
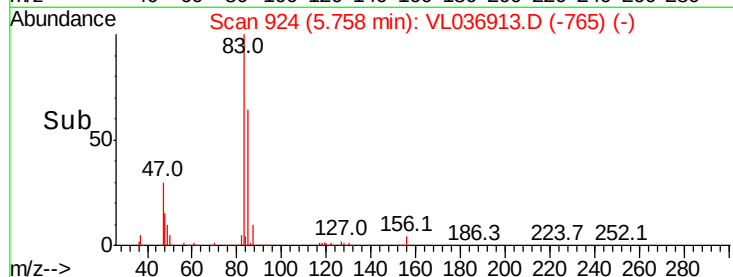
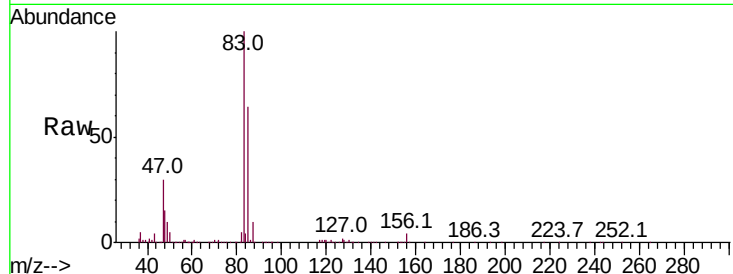
#29
Chloroform
Concen: 10.016 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2360218
Ion Ratio Lower Upper
83 100
85 63.5 52.2 78.4

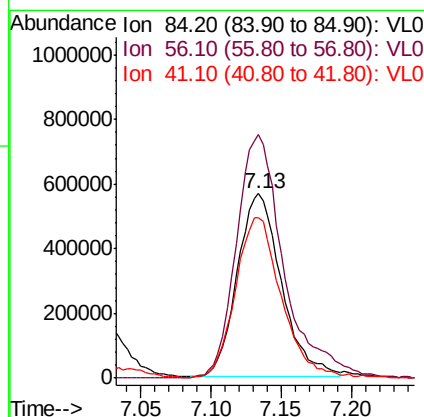
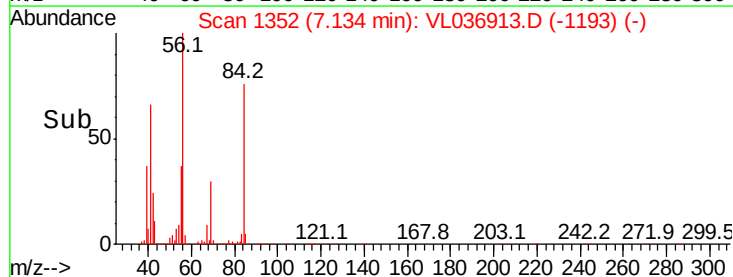
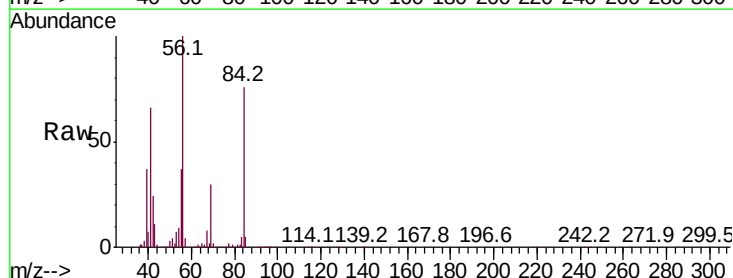
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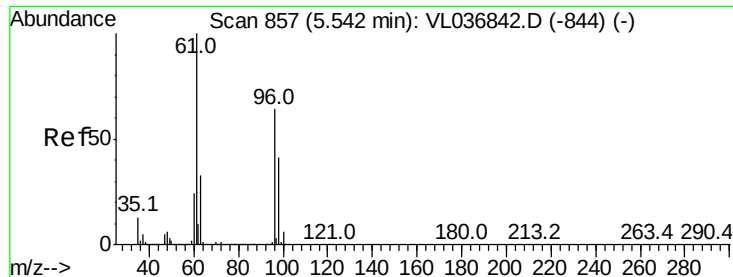
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5/10/2021 3:34:23 PM



#30
Cyclohexane
Concen: 10.397 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion: 84 Resp: 1246189
Ion Ratio Lower Upper
84 100
56 143.6 115.8 173.6
41 91.7 74.6 111.8





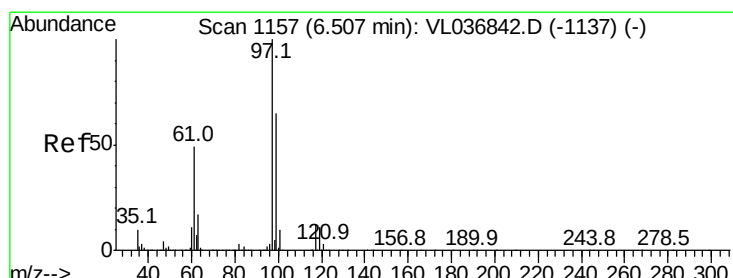
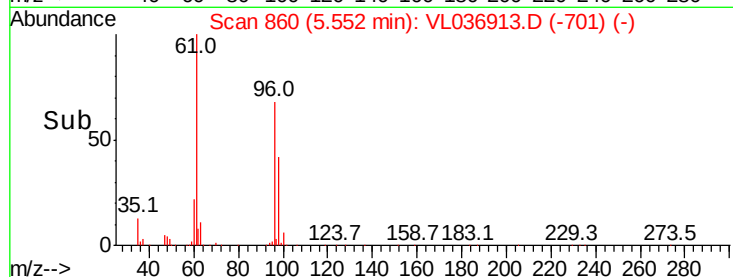
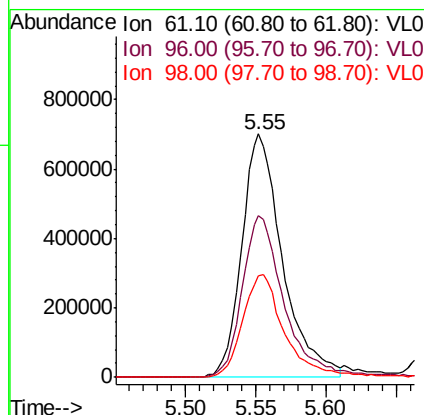
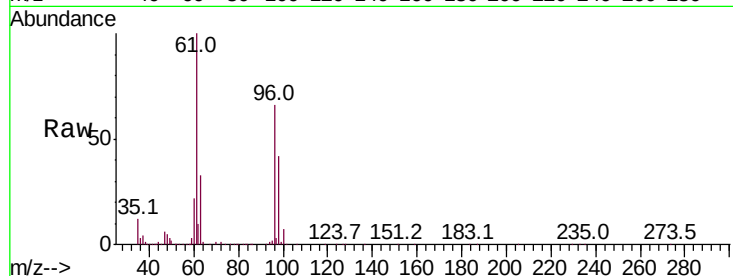
#31
 cis-1,2-Dichloroethene
 Concen: 10.420 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 61 Resp: 1413718
 Ion Ratio Lower Upper
 61 100
 96 66.4 51.0 76.6
 98 41.8 32.7 49.1

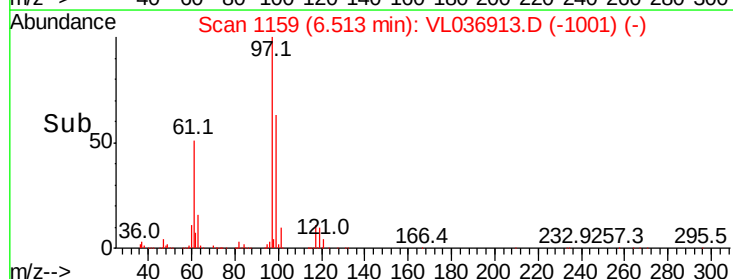
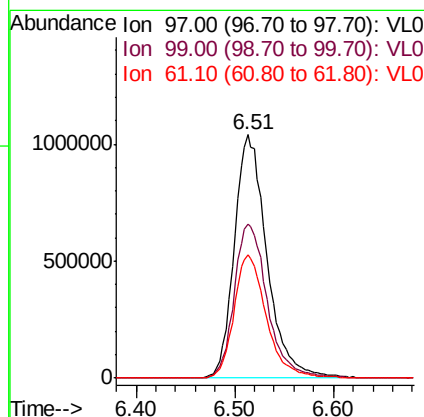
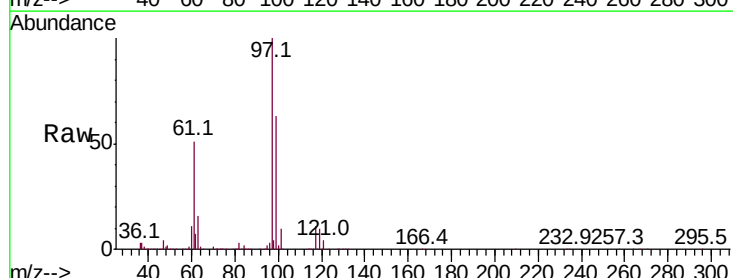
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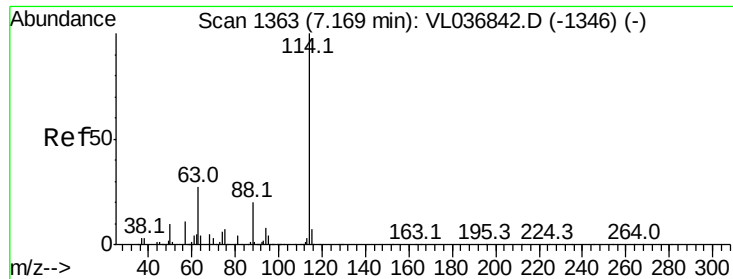
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#32
 1,1,1-Trichloroethane
 Concen: 9.964 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Tgt Ion: 97 Resp: 2387782
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.8 77.6
 61 50.8 40.8 61.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

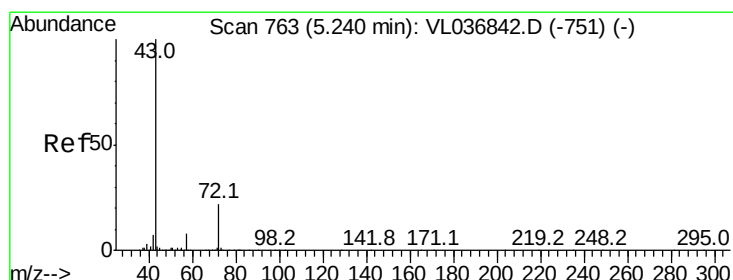
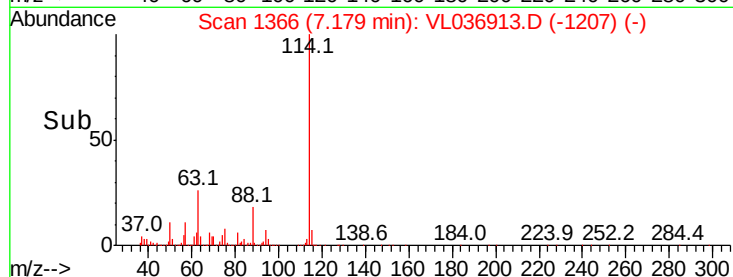
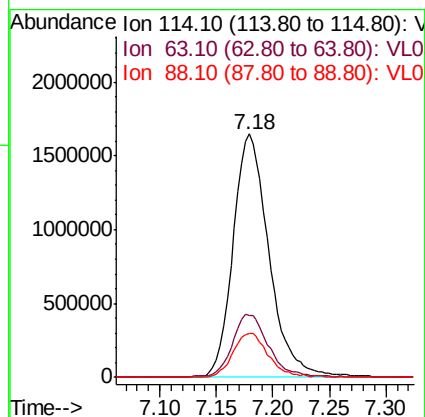
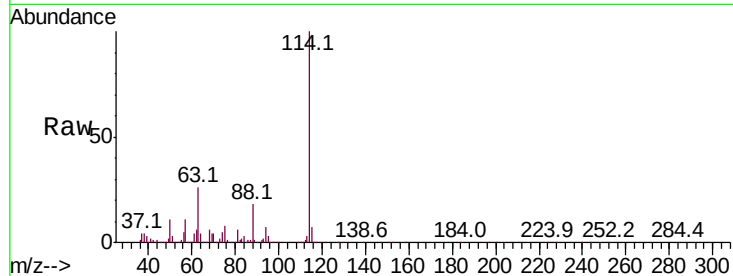
Instrument :
MSVOA_L

ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.9	32.9
88	18.2	15.1	22.7

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5/10/2021 3:34:23 PM



#34

2-Butanone

Concen: 9.030 ppbv

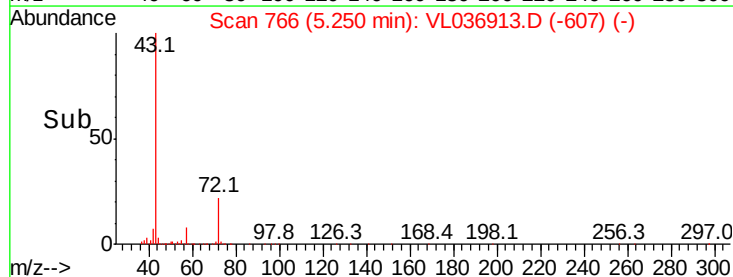
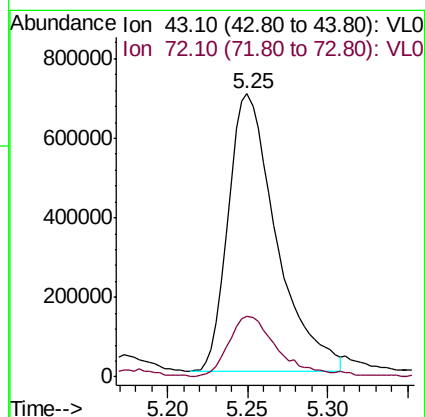
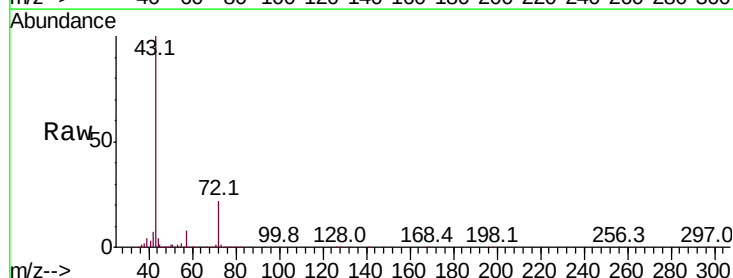
RT: 5.25 min Scan# 766

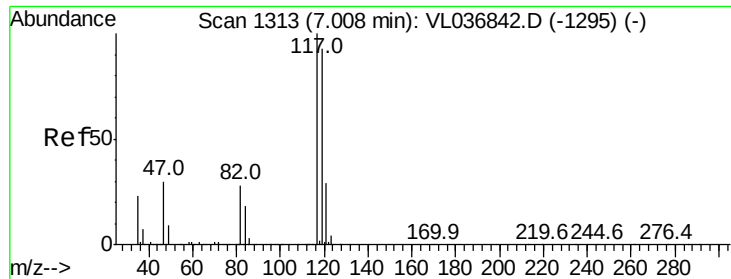
Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.4	17.6	26.4





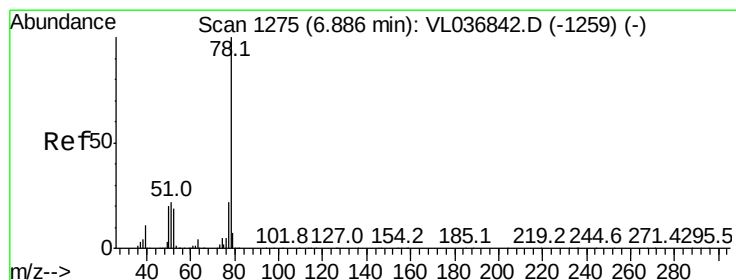
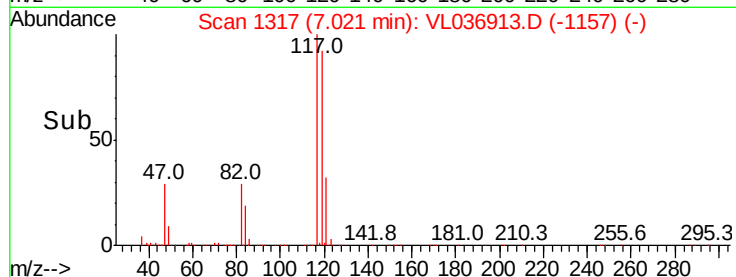
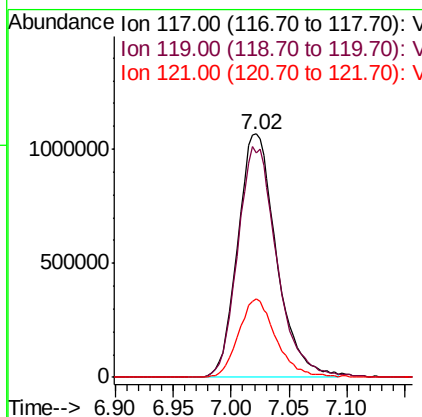
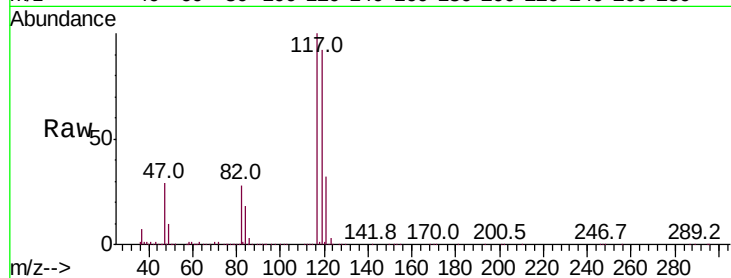
#35
Carbon Tetrachloride
Concen: 10.057 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.2	74.6	111.8
121	32.1	23.3	34.9

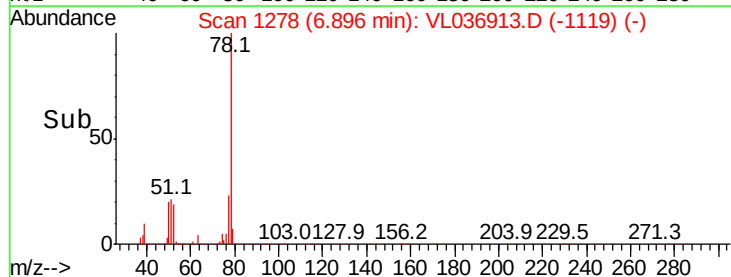
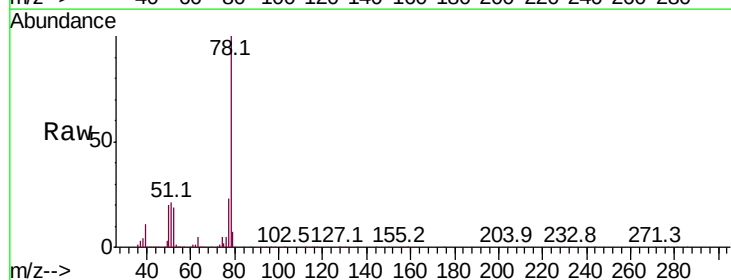
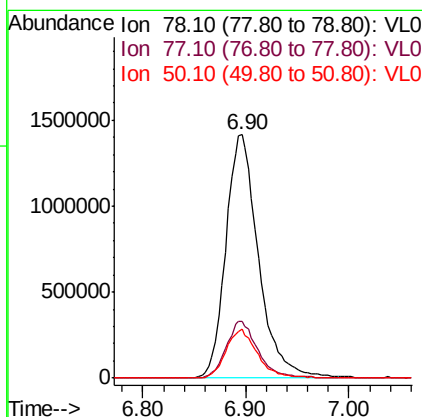
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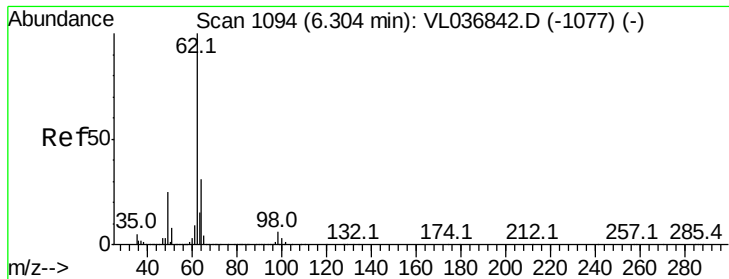
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#36
Benzene
Concen: 10.190 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	17.6	26.4
50	20.3	16.3	24.5





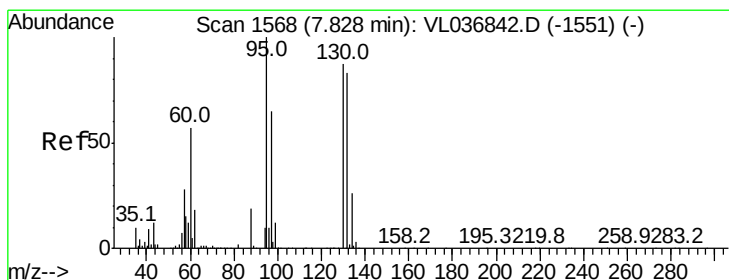
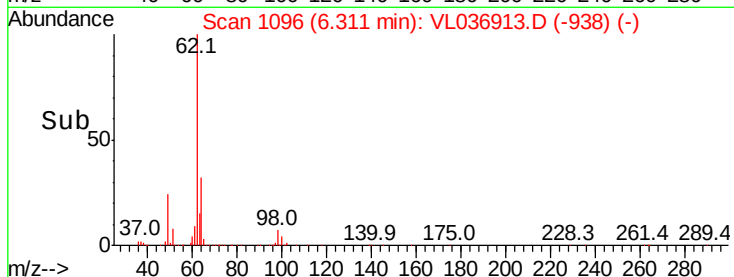
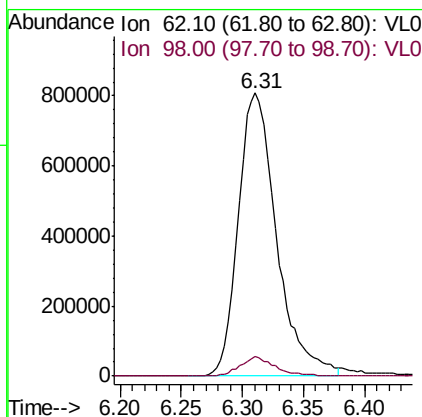
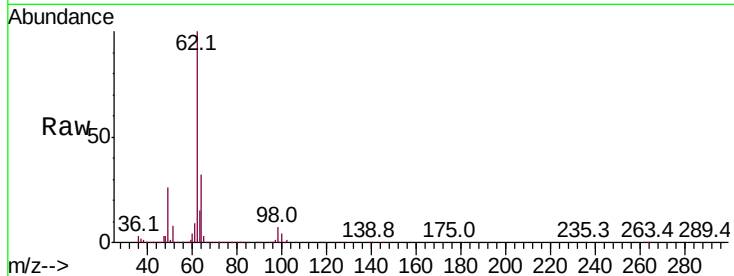
#37
 1,2-Dichloroethane
 Concen: 10.145 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1758145
 Ion Ratio Lower Upper
 62 100
 98 6.5 4.8 7.2

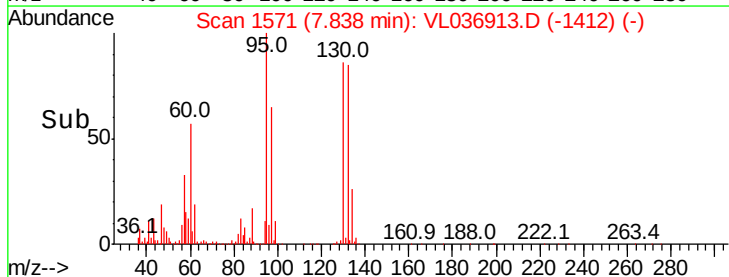
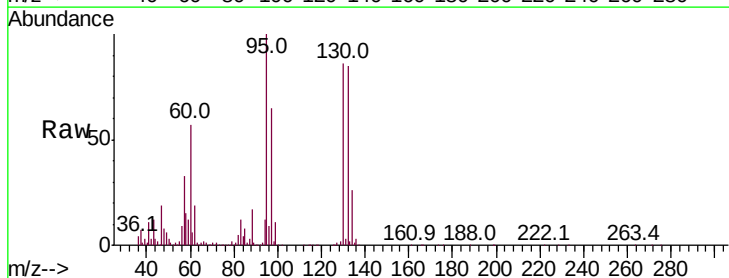
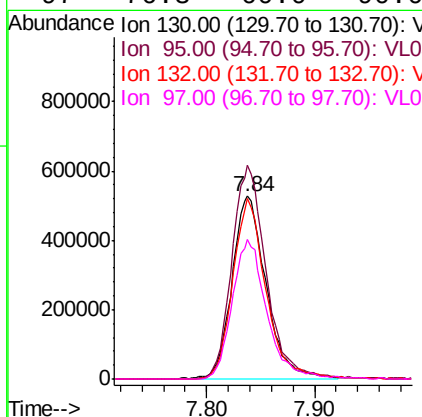
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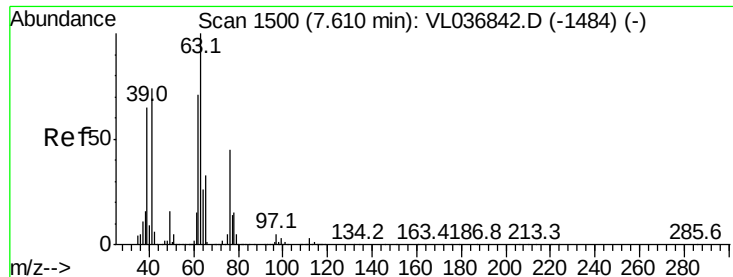
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#38
 Trichloroethene
 Concen: 10.451 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Tgt Ion:130 Resp: 1138737
 Ion Ratio Lower Upper
 130 100
 95 117.2 92.3 138.5
 132 99.0 76.8 115.2
 97 76.3 60.0 90.0





#39

1,2-Dichloropropane

Concen: 9.944 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. 0.01 min

Lab File: VL036913.D

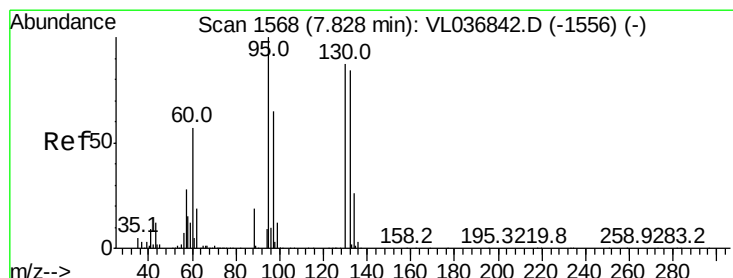
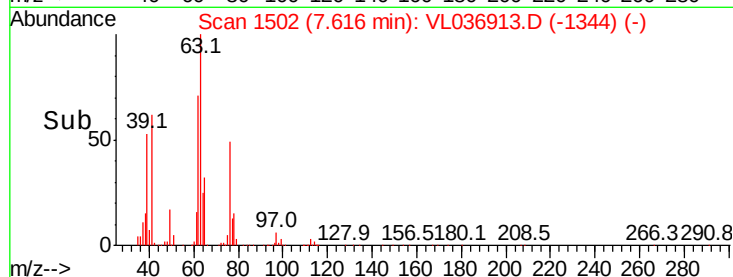
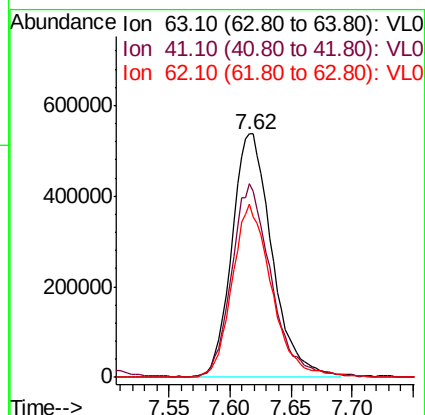
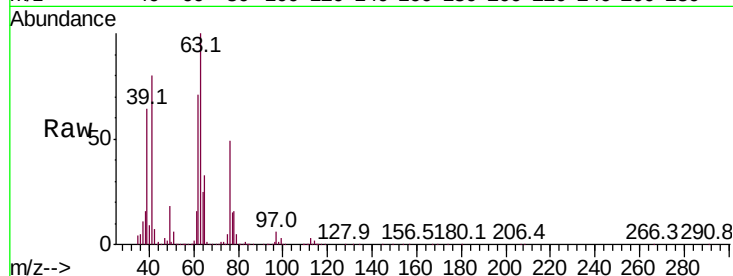
Acq: 7 May 2021 10:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	79.3	59.1	88.7
62	71.0	56.9	85.3

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#40

1,4-Dioxane

Concen: 9.320 ppbv

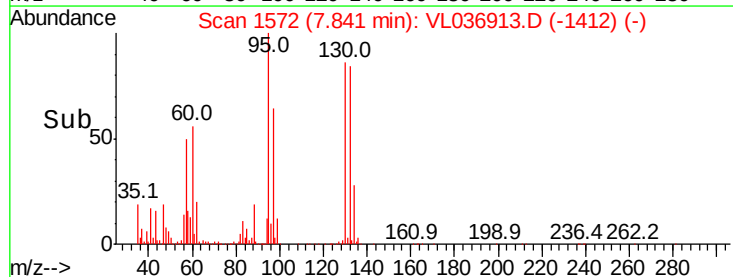
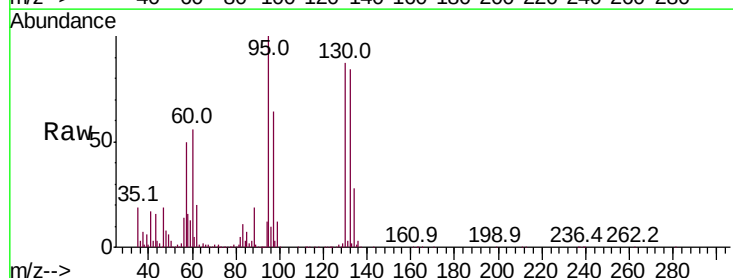
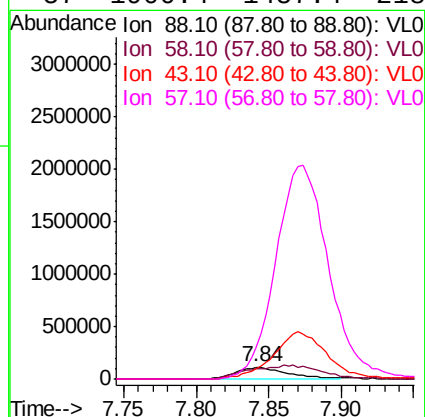
RT: 7.84 min Scan# 1572

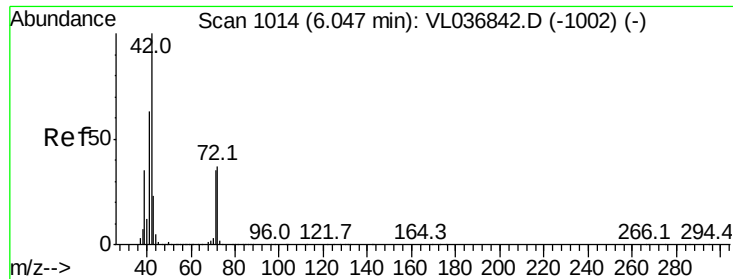
Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Tgt Ion	Ratio	Lower	Upper
88	100		
58	168.8	132.6	198.8
43	422.0	331.5	497.3
57	1900.4	1457.4	2186.0





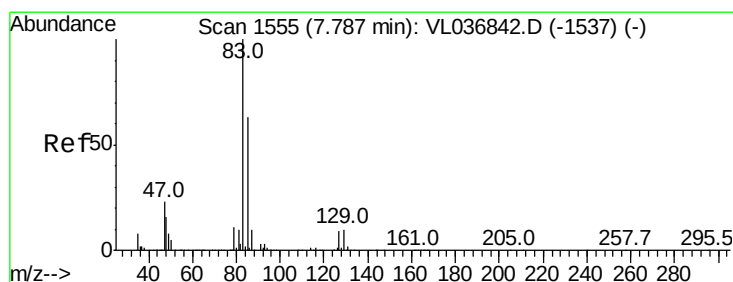
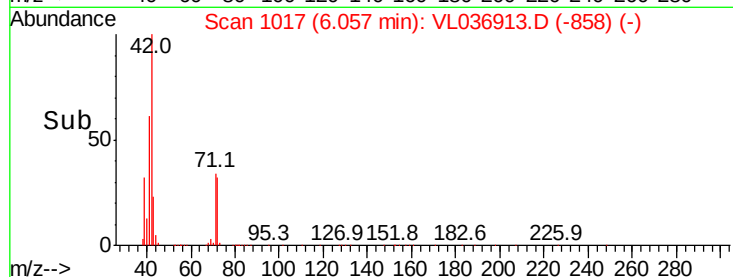
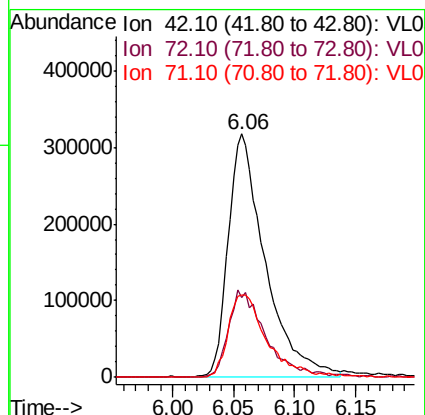
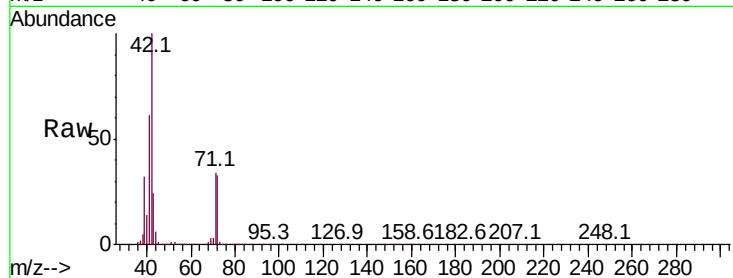
#41
Tetrahydrofuran
Concen: 9.622 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	29.7	44.5
71	36.6	29.0	43.6

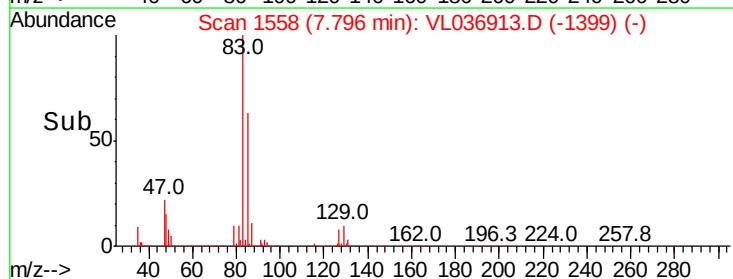
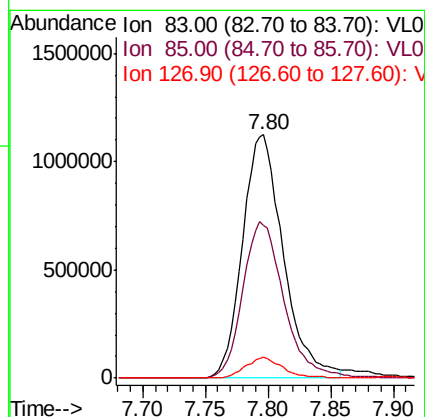
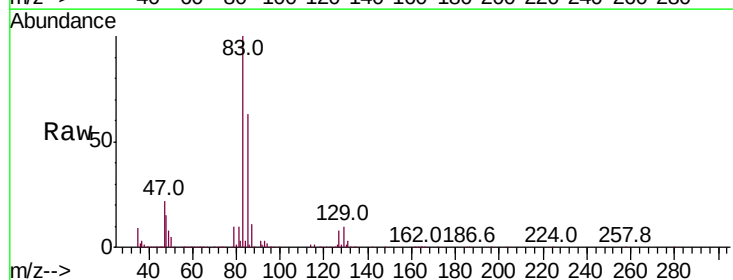
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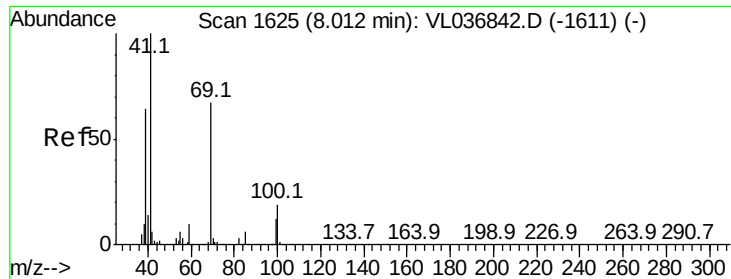
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#42
Bromodichloromethane
Concen: 10.548 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.4	75.6
127	8.4	6.9	10.3





#43

Methyl Methacrylate

Concen: 11.698 ppbv

RT: 8.02 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :
MSVOA_L

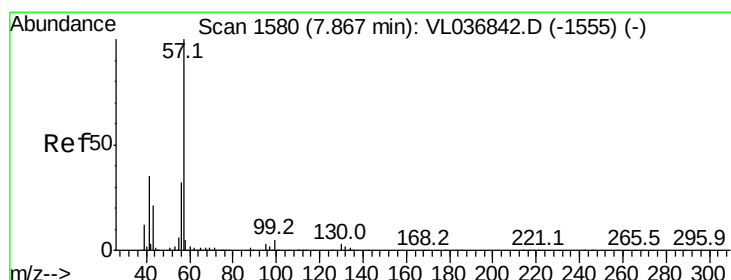
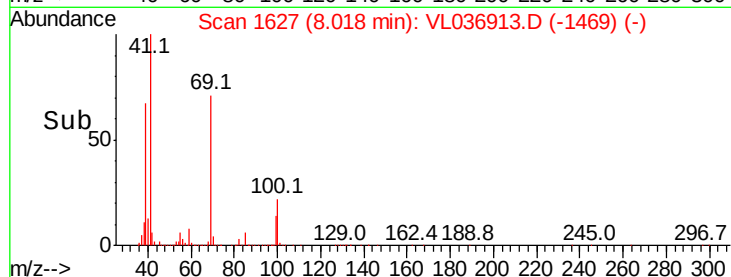
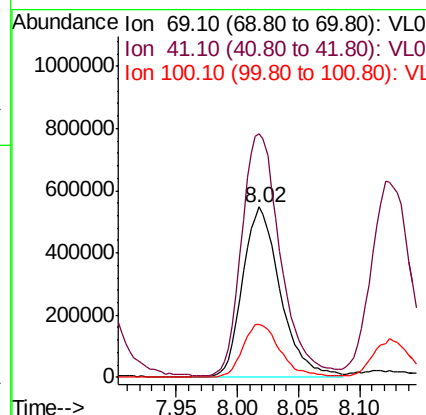
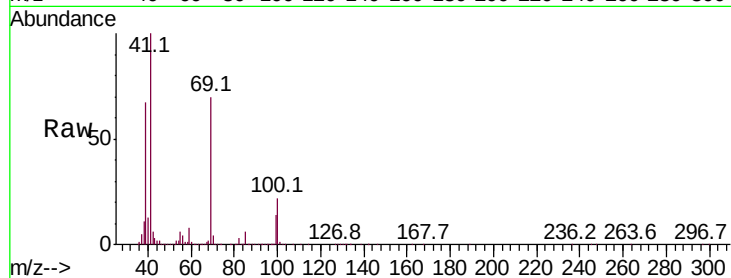
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1168177

Ion	Ratio	Lower	Upper
69	100		
41	148.2	124.2	186.4
100	31.1	25.5	38.3

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 9.989 ppbv

RT: 7.87 min Scan# 1582

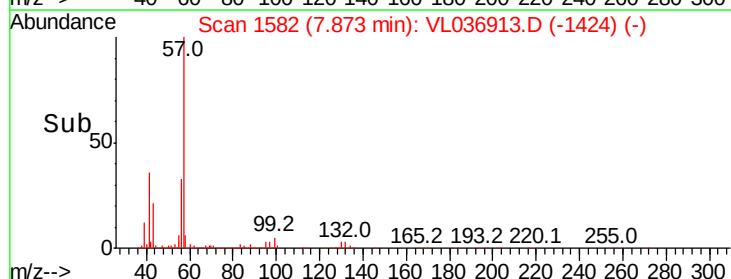
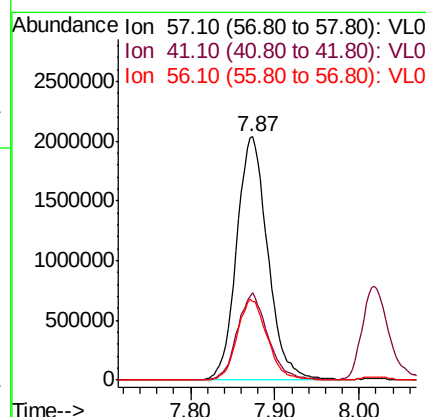
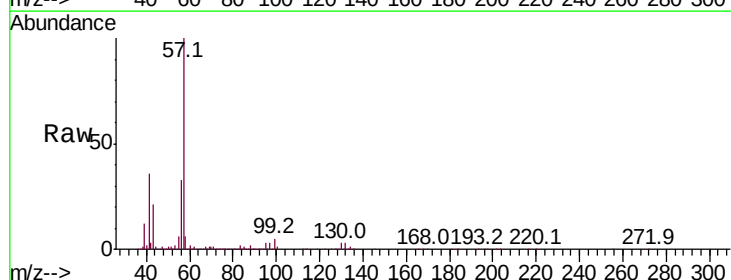
Delta R.T. 0.01 min

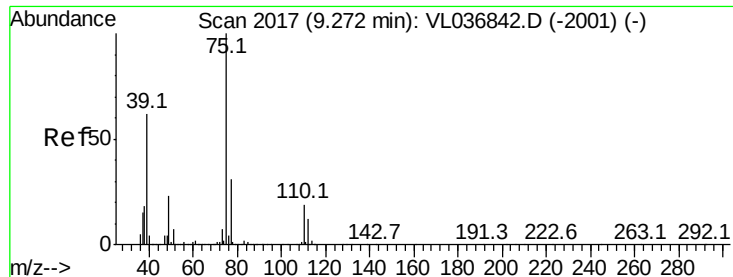
Lab File: VL036913.D

Acq: 7 May 2021 10:20

Tgt Ion: 57 Resp: 5238994

Ion	Ratio	Lower	Upper
57	100		
41	35.2	28.2	42.4
56	32.2	25.9	38.9





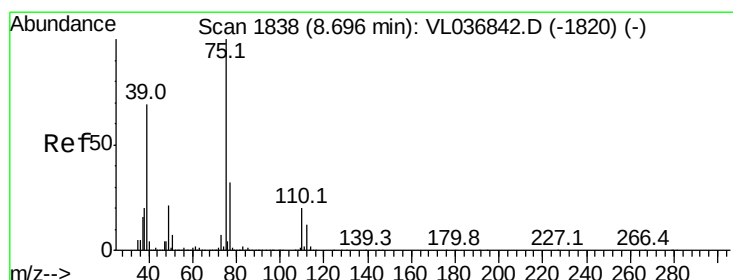
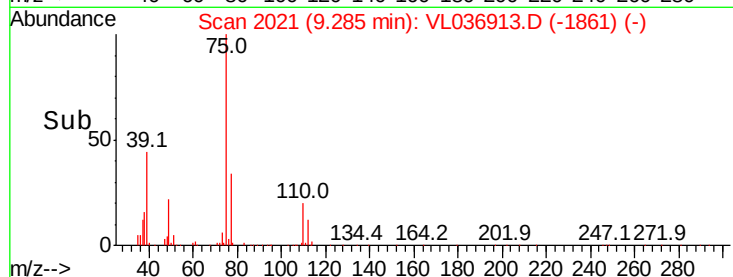
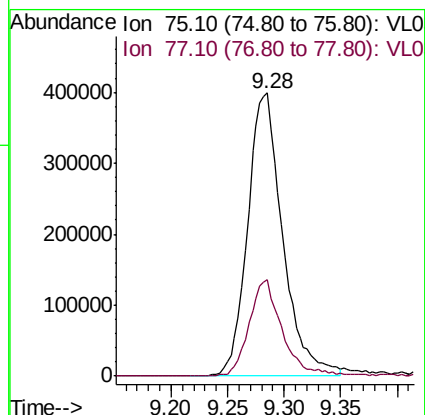
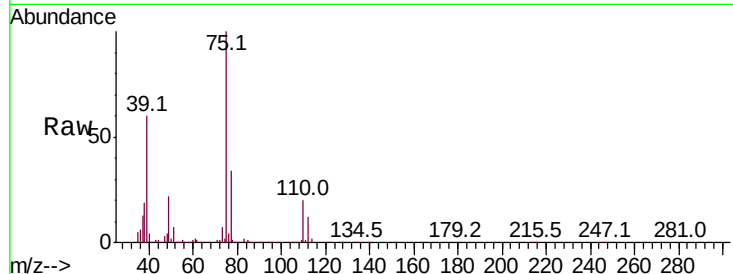
#45
t-1,3-Dichloropropene
Concen: 8.005 ppbv
RT: 9.28 min Scan# 2021
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 861745
Ion Ratio Lower Upper
75 100
77 33.9 24.6 37.0

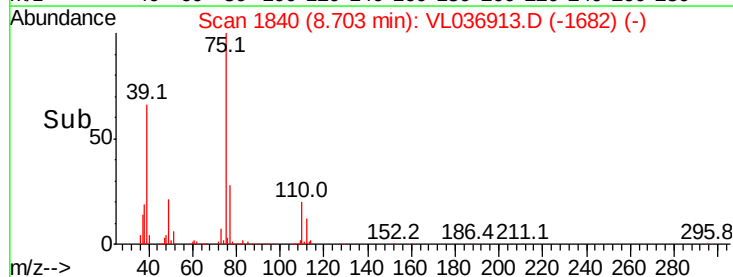
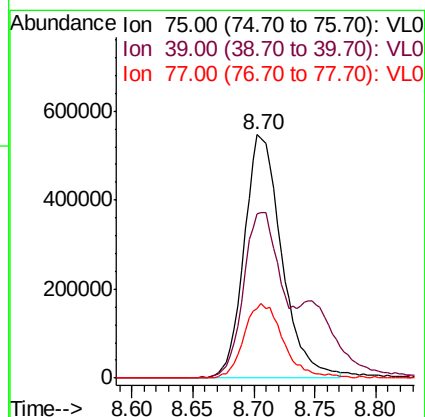
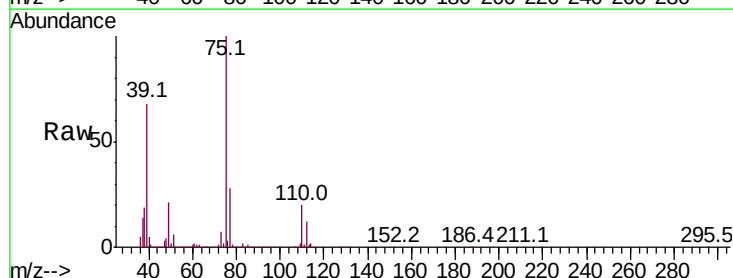
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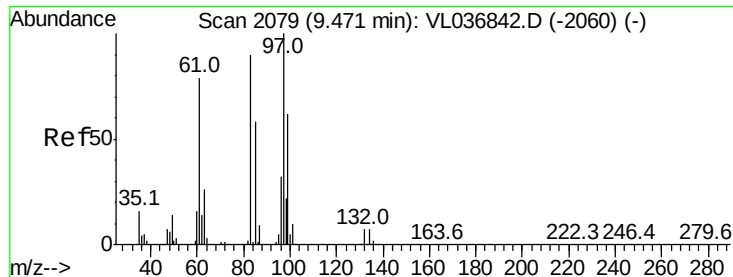
MMDadoda
5/10/2021 3:34:23 PM



#46
cis-1,3-Dichloropropene
Concen: 8.406 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion: 75 Resp: 1160200
Ion Ratio Lower Upper
75 100
39 67.4 55.4 83.0
77 28.4 25.2 37.8





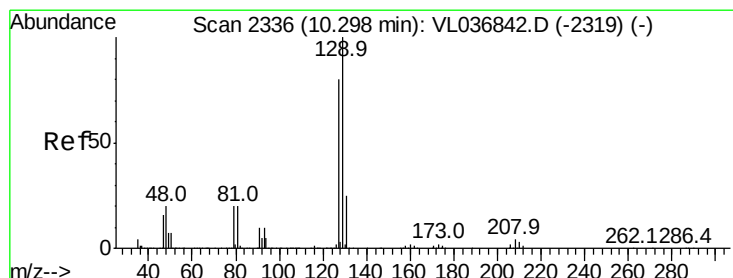
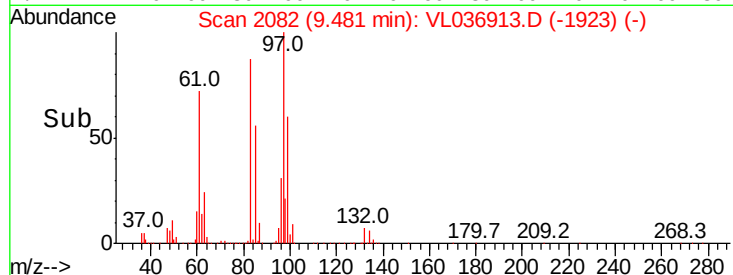
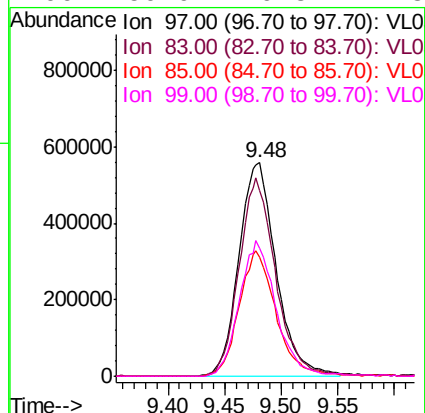
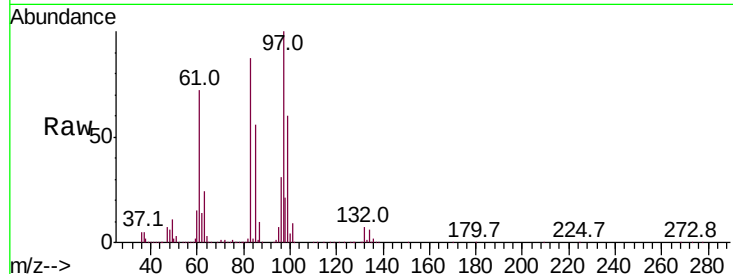
#47
 1,1,2-Trichloroethane
 Concen: 10.076 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.9	71.9	107.9
85	55.9	46.5	69.7
99	59.9	49.8	74.8

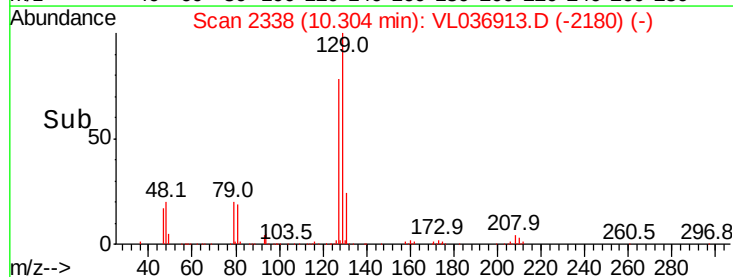
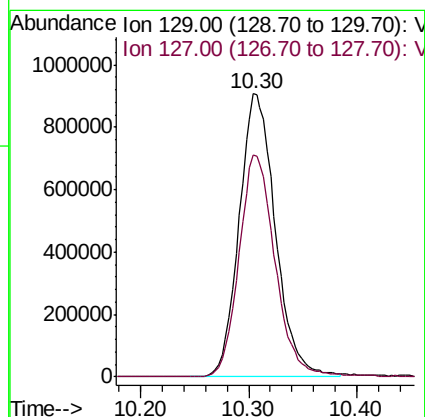
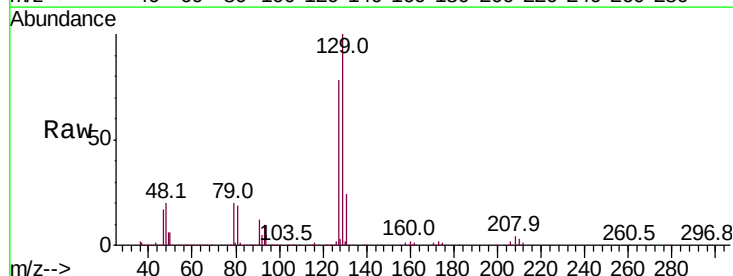
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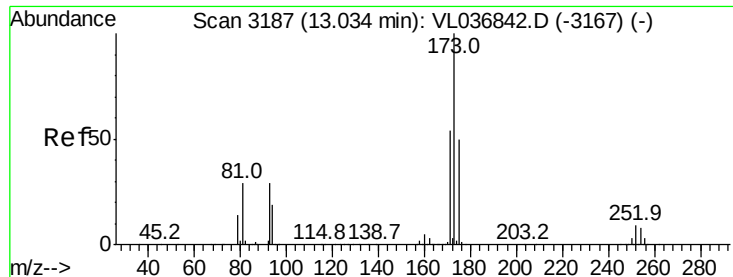
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#48
 Dibromochloromethane
 Concen: 11.268 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	40.2	120.5





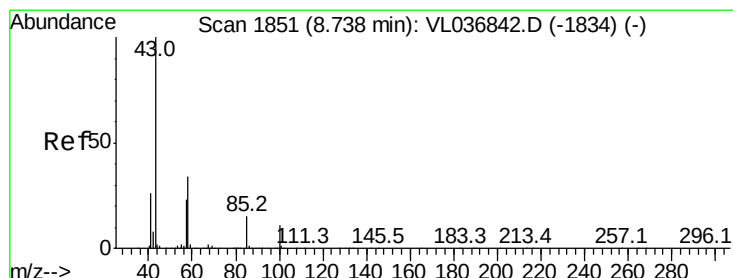
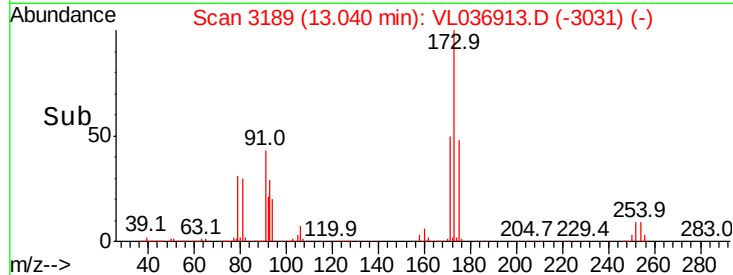
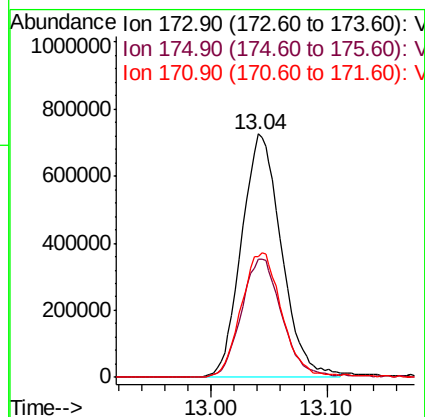
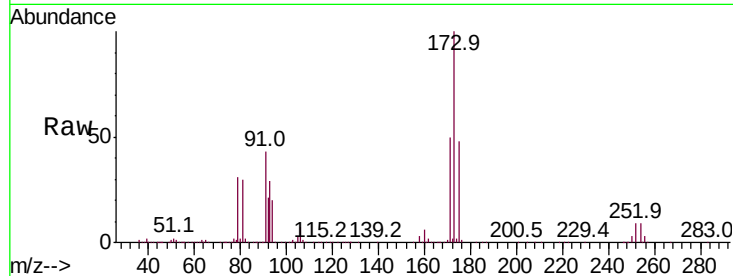
#49
Bromoform
Concen: 11.604 ppbv
RT: 13.04 min Scan# 3189
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1742525
Ion Ratio Lower Upper
173 100
175 50.8 39.6 59.4
171 52.9 42.2 63.4

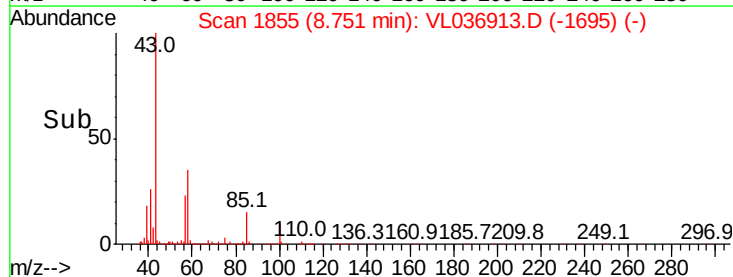
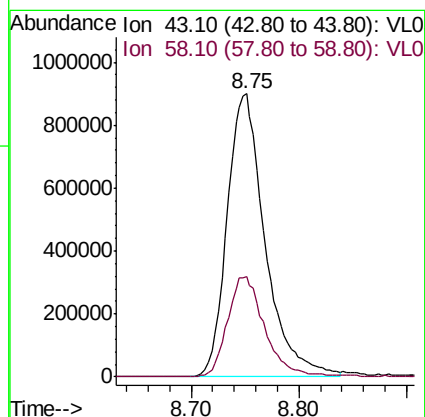
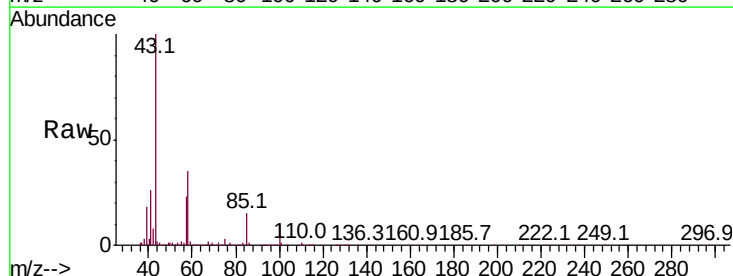
Manual Integrations
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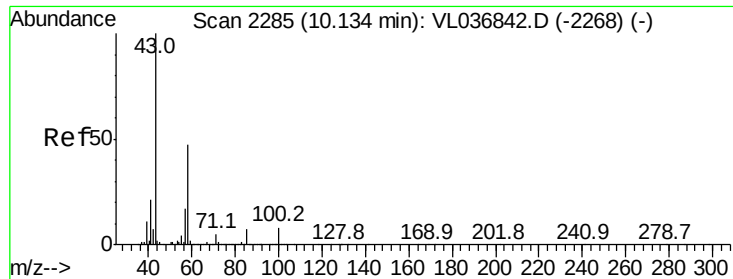
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5/10/2021 3:34:23 PM



#50
4-Methyl-2-Pentanone
Concen: 10.092 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion: 43 Resp: 2194898
Ion Ratio Lower Upper
43 100
58 35.4 27.8 41.8





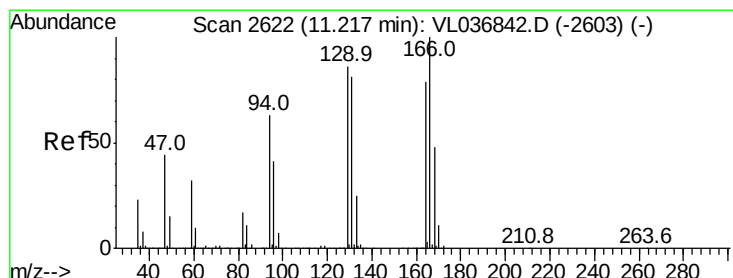
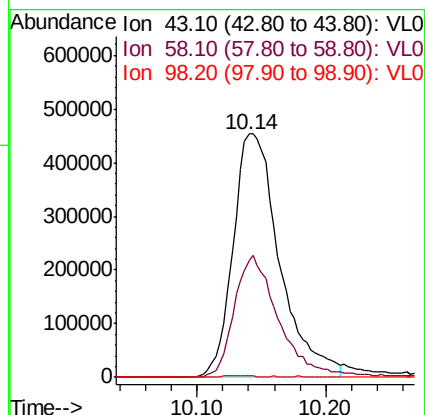
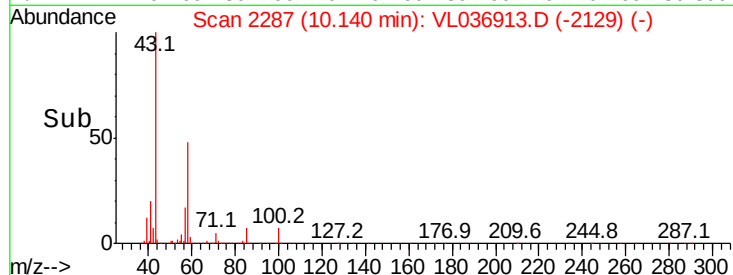
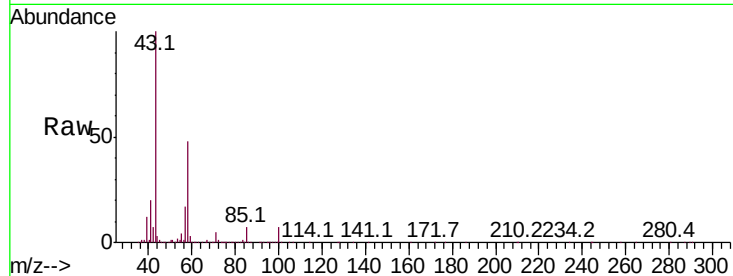
#51
2-Hexanone
Concen: 10.399 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1128054
Ion Ratio Lower Upper
43 100
58 48.7 37.0 55.6
98 0.5 0.2 0.4#

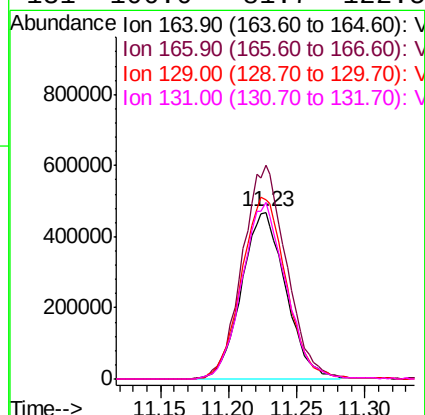
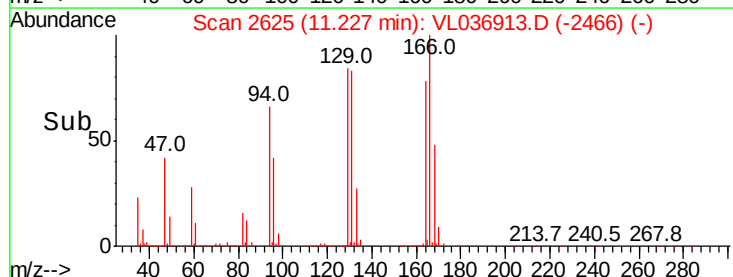
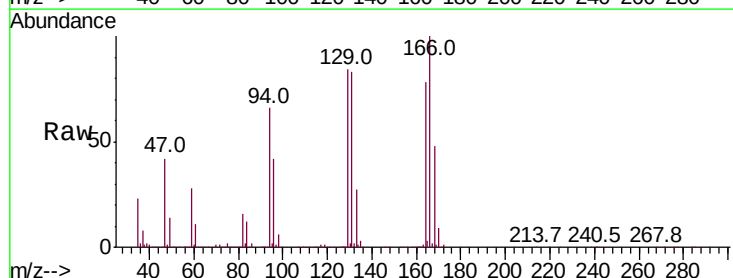
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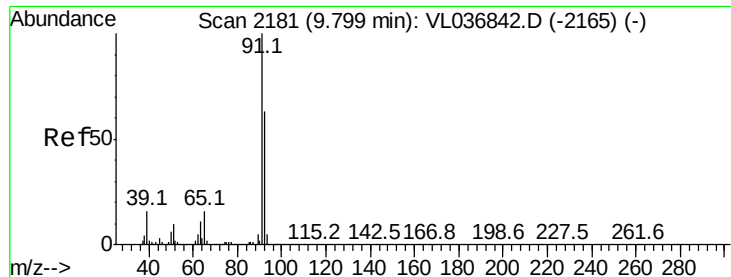
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5/10/2021 3:34:23 PM



#52
Tetrachloroethene
Concen: 10.104 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion: 164 Resp: 1052936
Ion Ratio Lower Upper
164 100
166 128.1 100.9 151.3
129 107.9 87.0 130.4
131 106.0 81.7 122.5





#53

Toluene

Concen: 10.796 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3457260

Ion Ratio Lower Upper

91 100

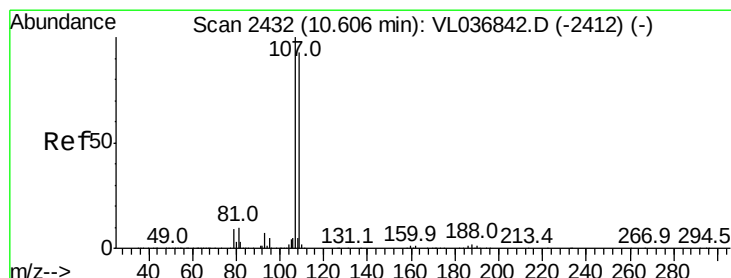
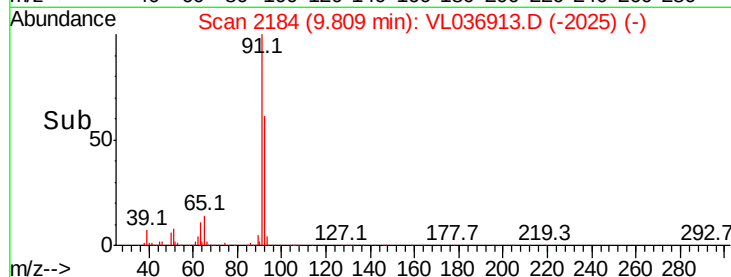
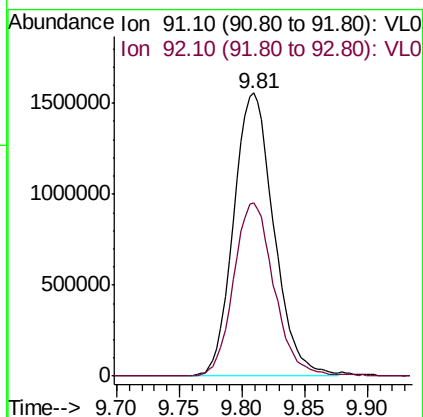
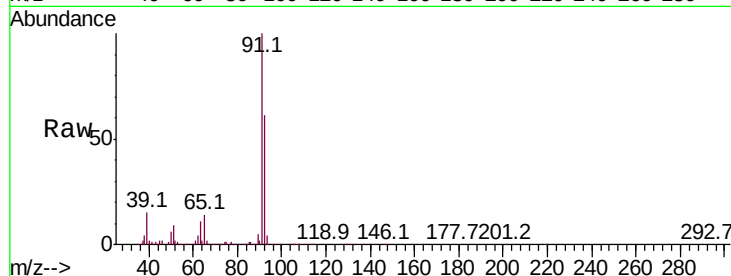
92 62.0 49.0 73.4

Manual Integrations

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5/10/2021 3:34:23 PM



#54

1,2-Dibromoethane

Concen: 10.066 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.01 min

Lab File: VL036913.D

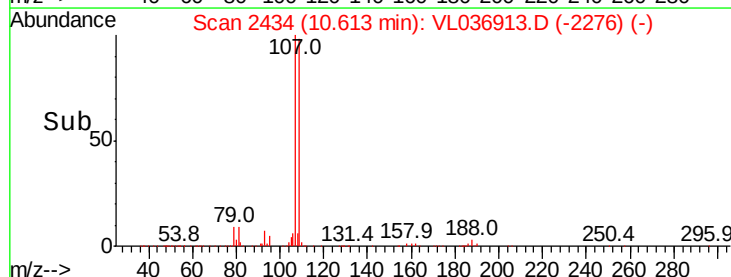
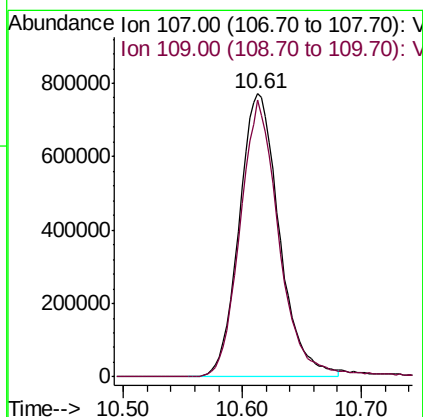
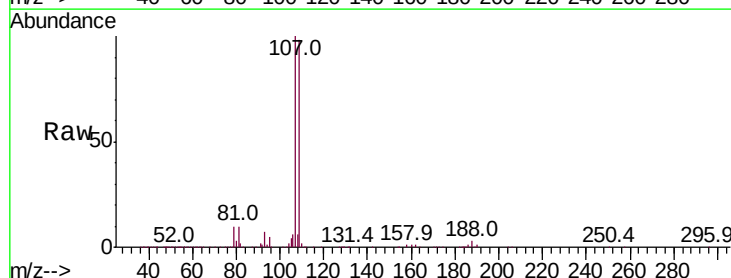
Acq: 7 May 2021 10:20

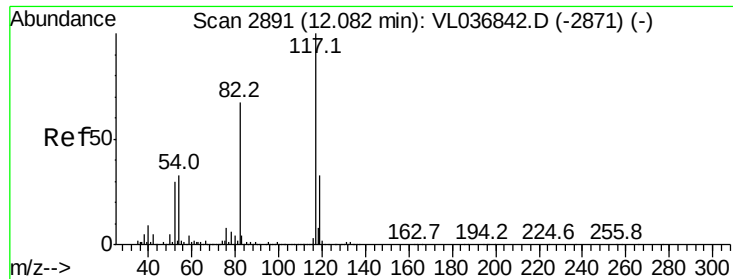
Tgt Ion: 107 Resp: 1804054

Ion Ratio Lower Upper

107 100

109 98.0 74.7 112.1





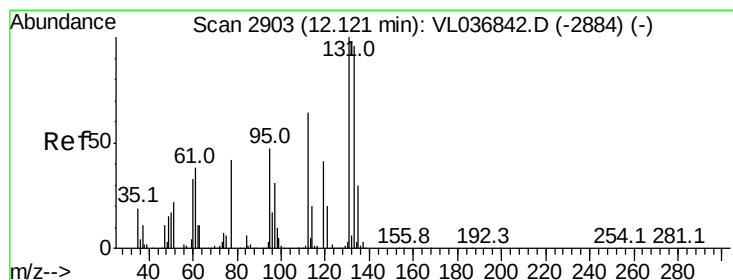
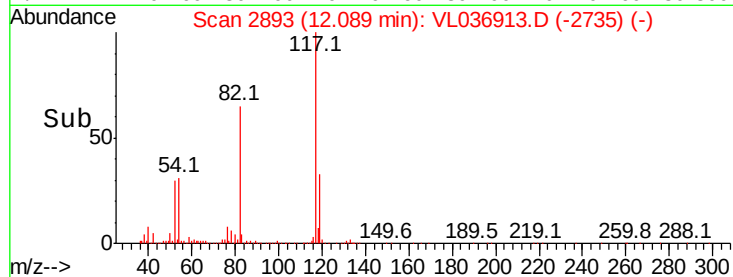
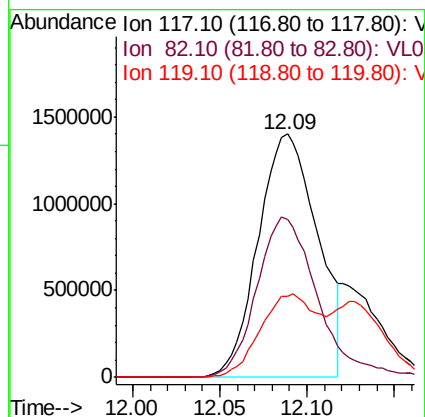
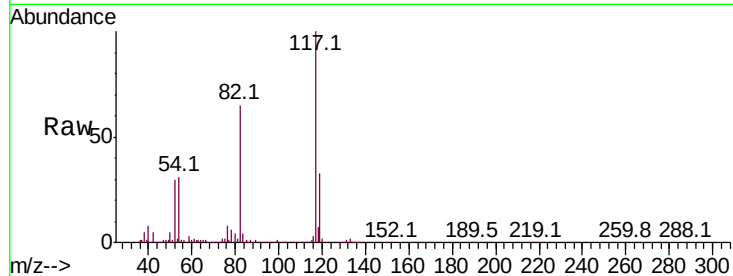
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2893
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 3319408
Ion Ratio Lower Upper
117 100
82 68.8 53.5 80.3
119 31.6 25.6 38.4

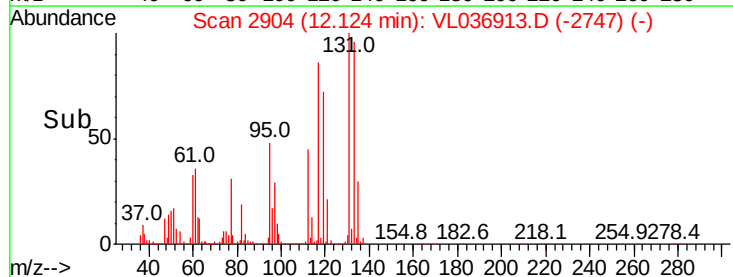
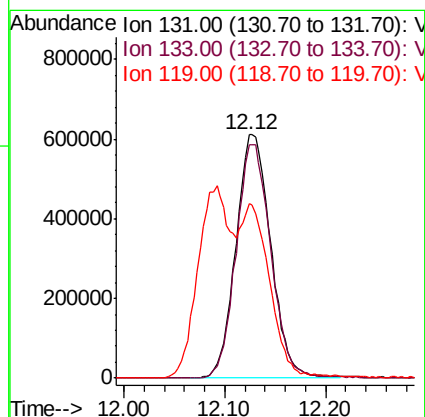
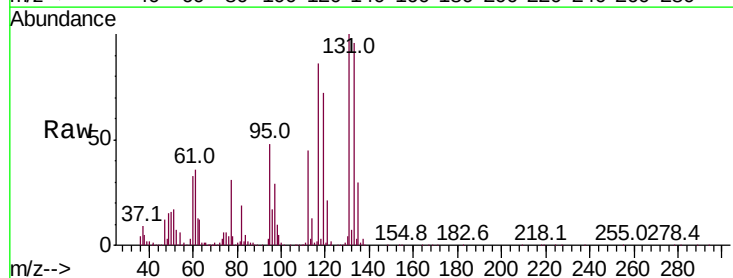
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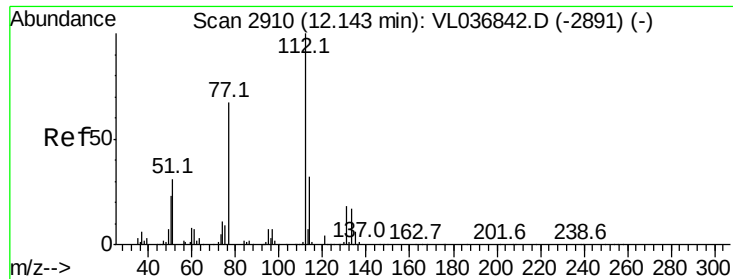
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5/10/2021 3:34:23 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.495 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion:131 Resp: 1460461
Ion Ratio Lower Upper
131 100
133 96.5 76.3 114.5
119 65.8 114.9 172.3#





#57

Chlorobenzene

Concen: 10.058 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

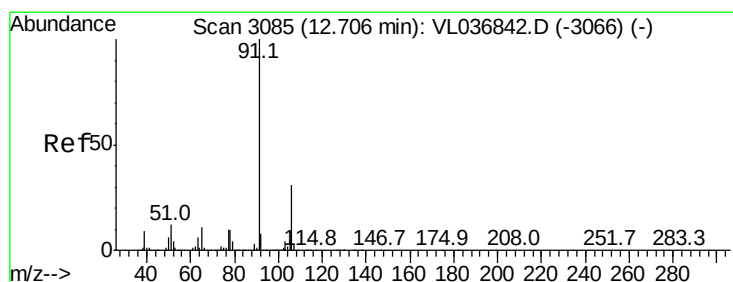
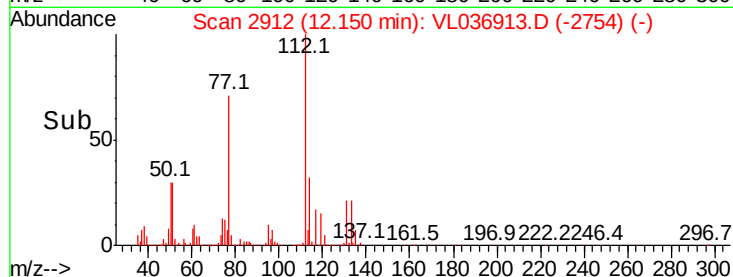
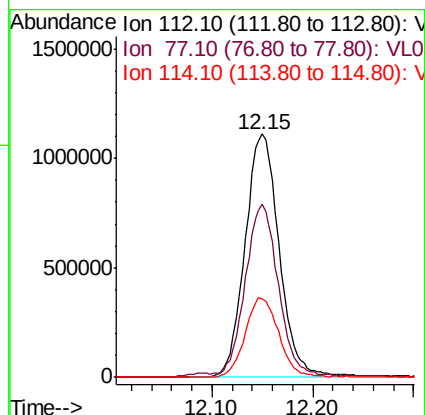
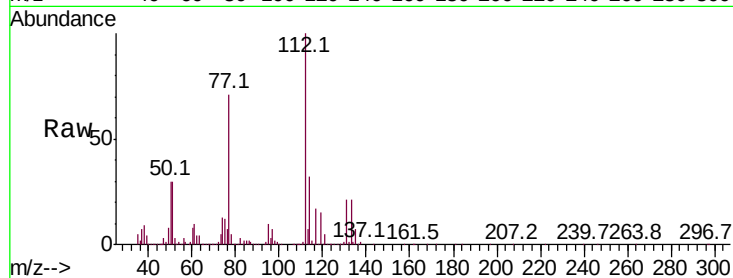
ClientSampleId :

VSTDCCC010

Tot Ion:	112	Resp:	2600362
Ion	Ratio	Lower	Upper
112	100		
77	70.3	54.2	81.4
114	32.3	28.5	34.9

Manual Integrations
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5/10/2021 3:34:23 PM



#58

Ethyl Benzene

Concen: 11.008 ppbv

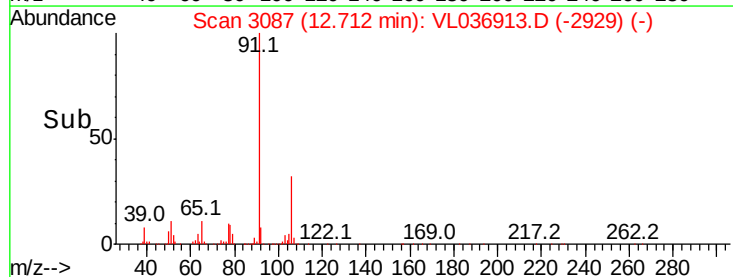
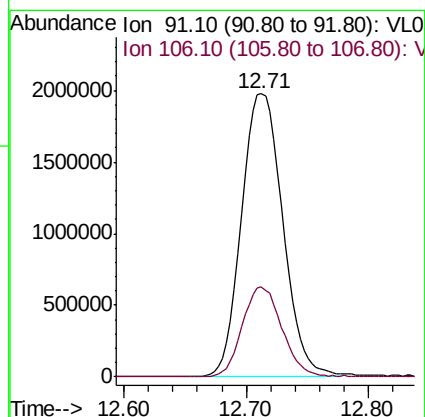
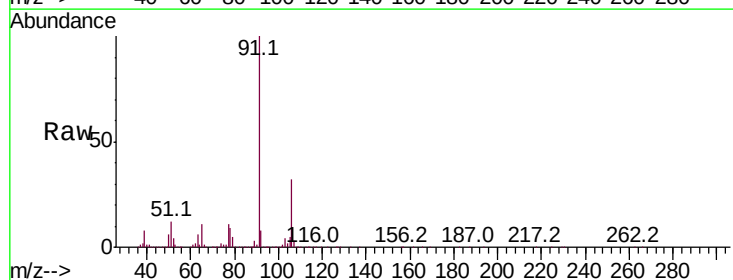
RT: 12.71 min Scan# 3087

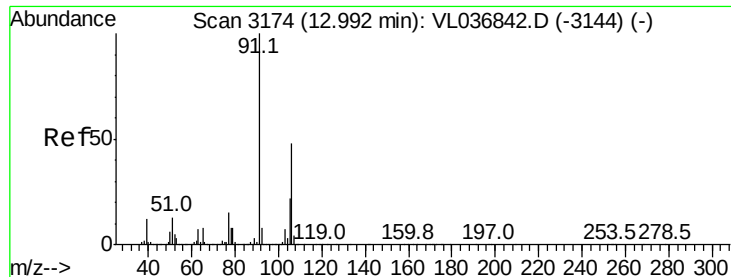
Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Tgt Ion:	91	Resp:	4634770
Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.1	37.7





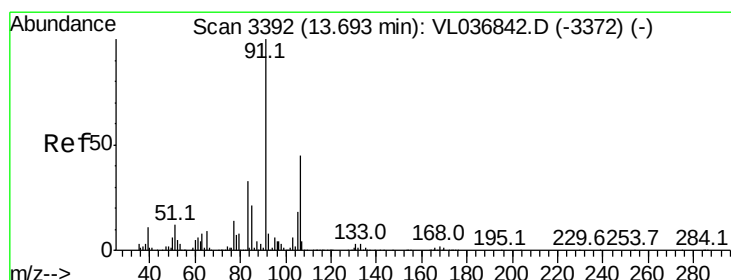
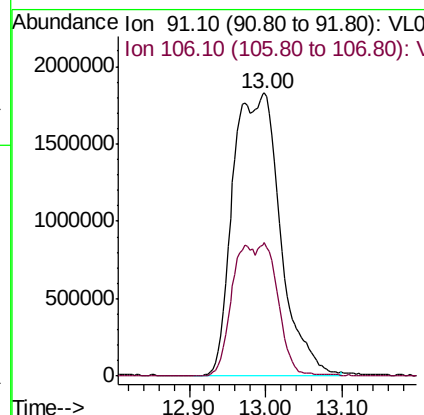
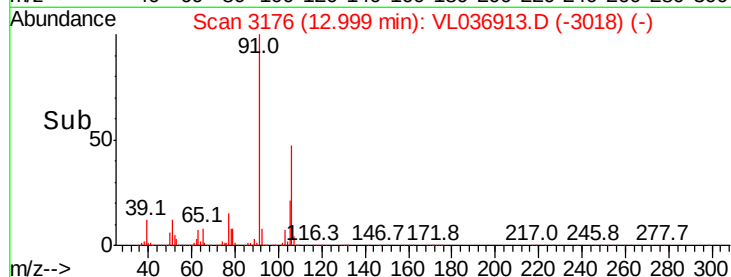
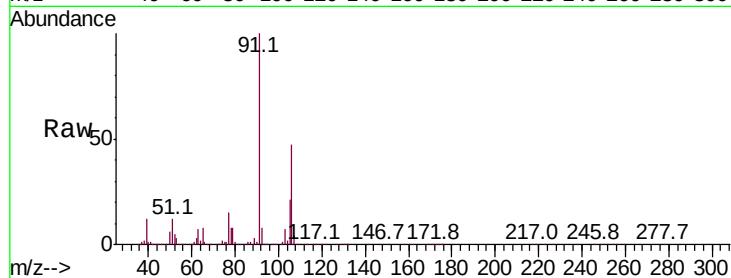
#59
m/p-Xylene
Concen: 20.974 ppbv m
RT: 13.00 min Scan# 3176
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 7892300
Ion Ratio Lower Upper
91 100
106 44.2 35.8 53.6

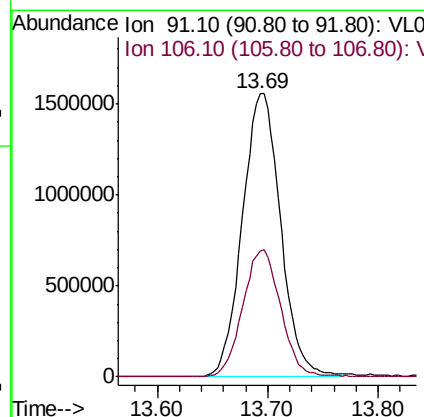
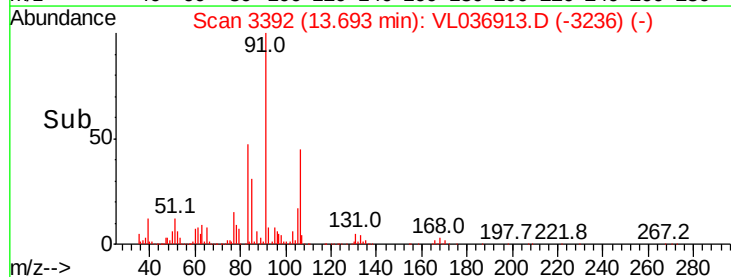
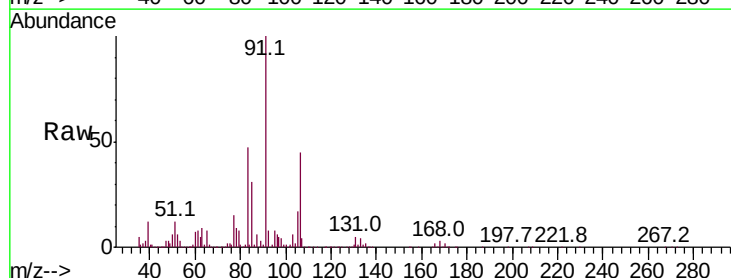
Manual Integrations
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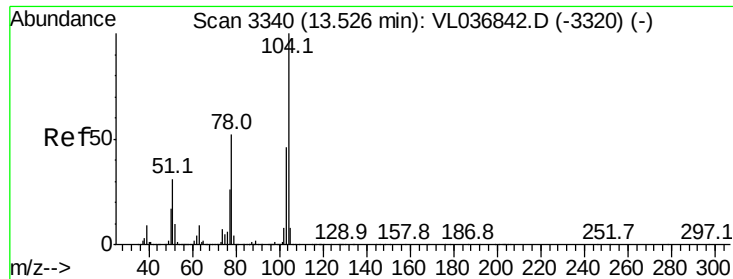
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#60
o-Xylene
Concen: 10.259 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion: 91 Resp: 3732521
Ion Ratio Lower Upper
91 100
106 44.9 22.6 67.7





#61

Stvrene

Concen: 11.625 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 1986246

Ion Ratio Lower Upper

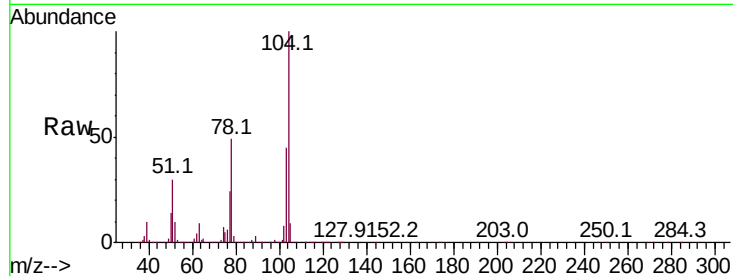
104 100

78 53.0 42.6 64.0

103 47.8 38.1 57.1

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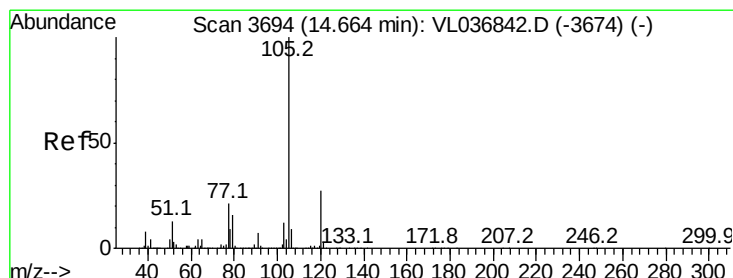
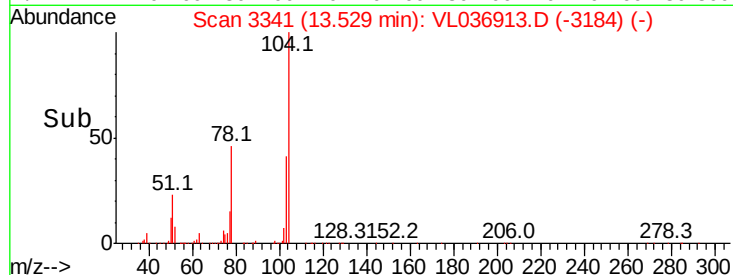
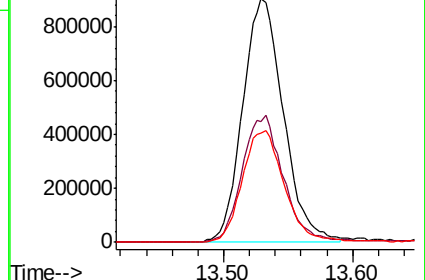
MMDadoda
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.343 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. 0.01 min

Lab File: VL036913.D

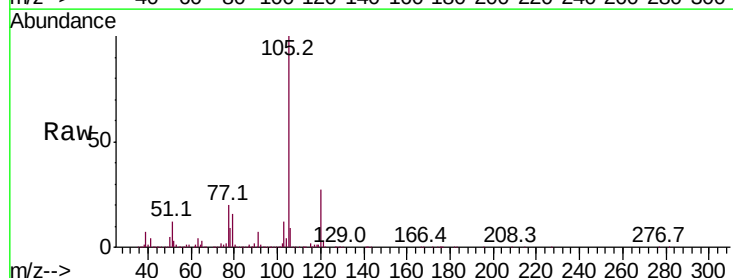
Acq: 7 May 2021 10:20

Tgt Ion:105 Resp: 5119896

Ion Ratio Lower Upper

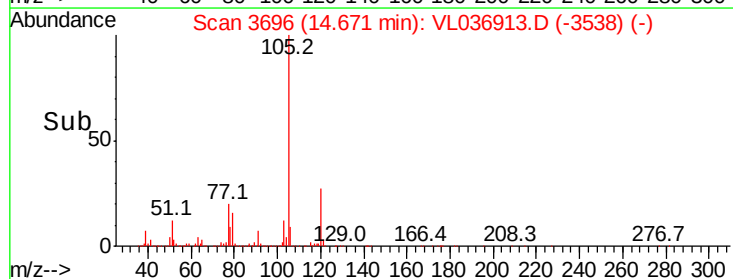
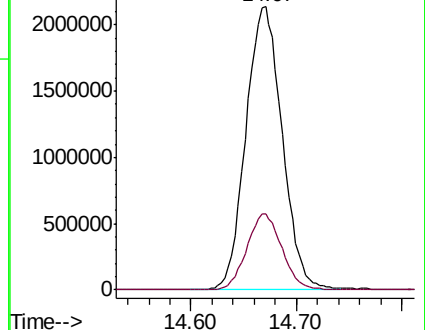
105 100

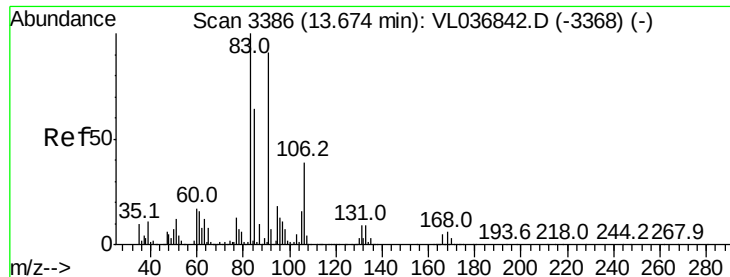
120 26.2 21.1 31.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





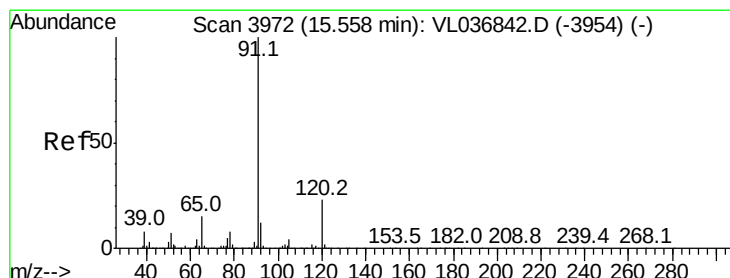
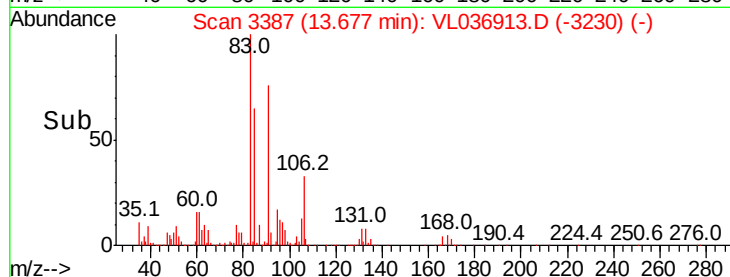
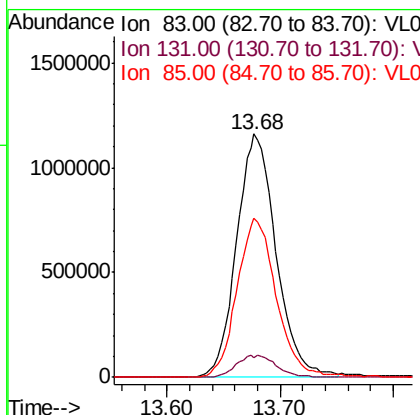
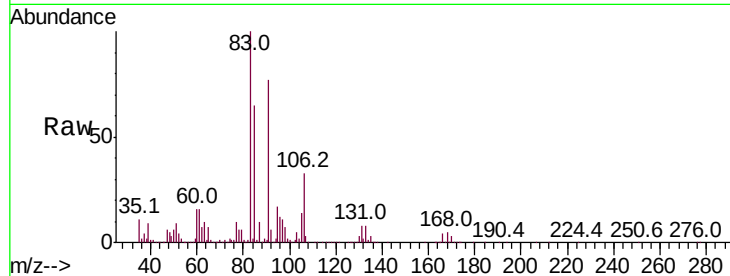
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.627 ppbv
 RT: 13.68 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	66.2	32.8	98.4

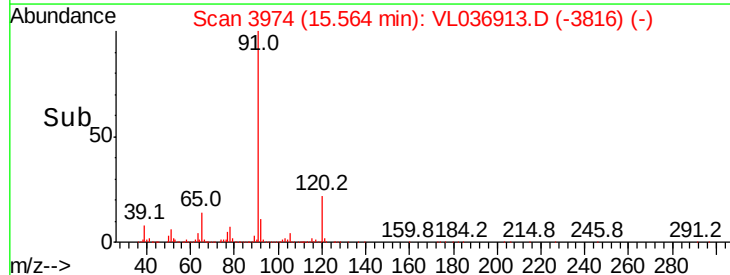
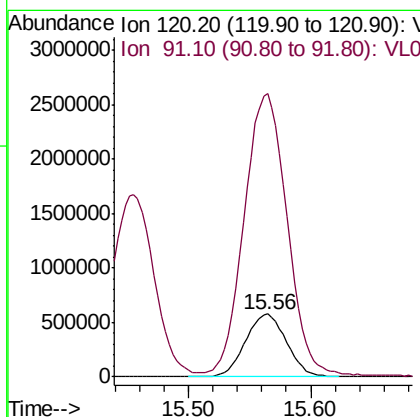
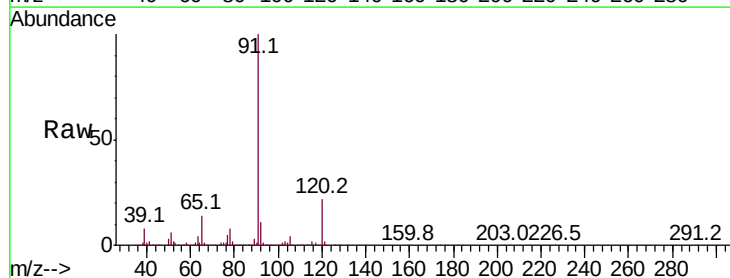
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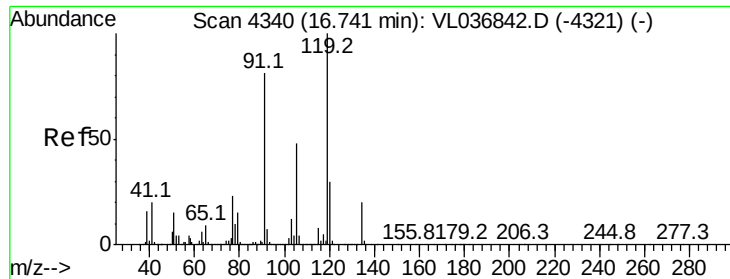
MMDadoda
 5/10/2021 3:34:23 PM



#64
 n-propylbenzene
 Concen: 10.860 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Tgt Ion	Ratio	Lower	Upper
120	100		
91	477.4	378.6	567.8





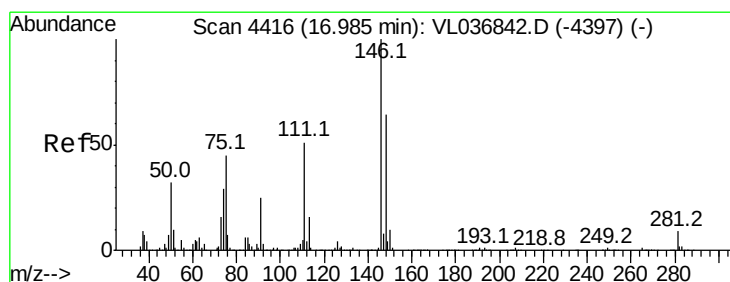
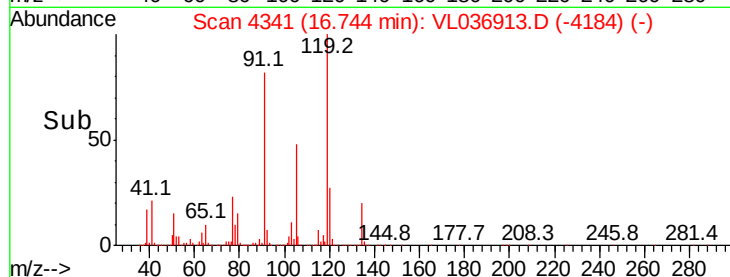
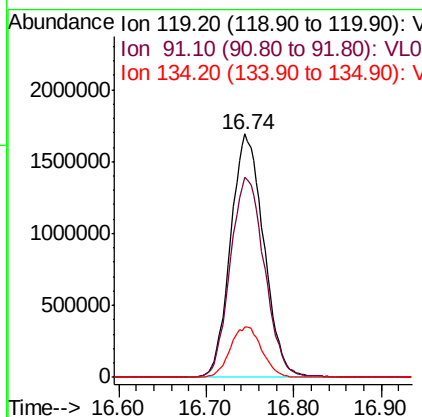
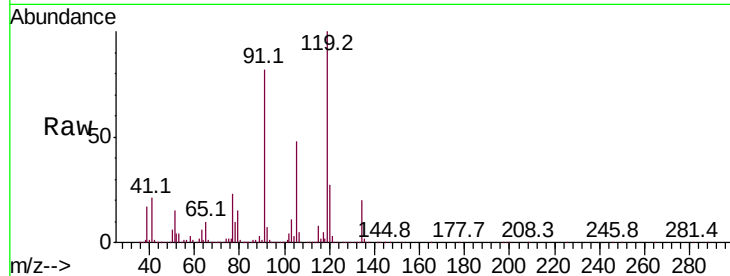
#65
tert-Butylbenzene
Concen: 10.171 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. 0.00 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:119 Resp: 4451504
Ion Ratio Lower Upper
119 100
91 85.1 67.0 100.6
134 19.8 15.8 23.6

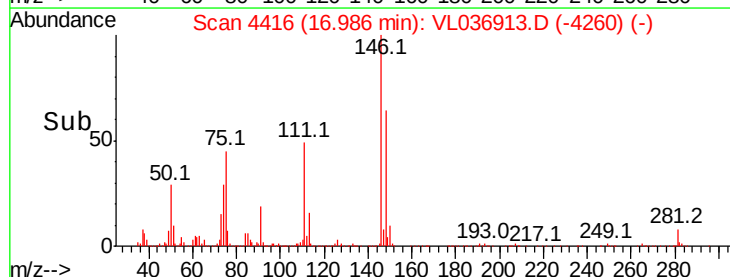
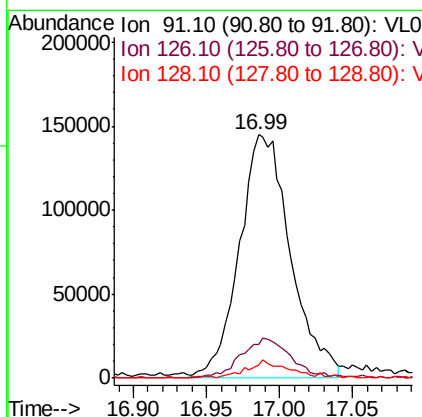
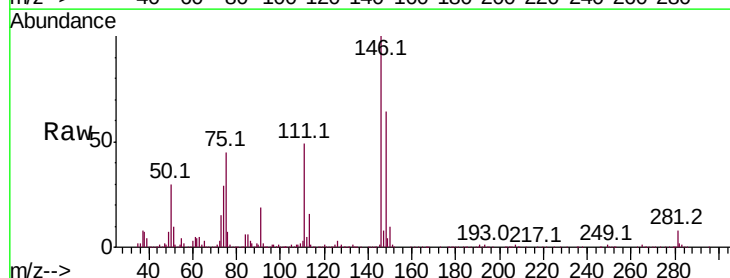
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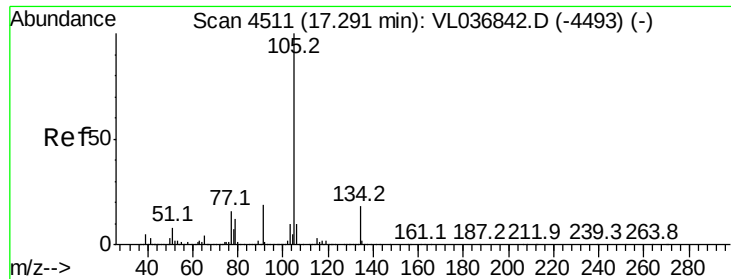
MMDadoda
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#66
Benzyl Chloride
Concen: 8.253 ppbv m
RT: 16.99 min Scan# 4416
Delta R.T. 0.00 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion: 91 Resp: 353192
Ion Ratio Lower Upper
91 100
126 16.5 14.1 21.1
128 6.7 4.8 7.2





#67

sec-Butylbenzene

Concen: 10.351 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 6290868

Ion Ratio Lower Upper

105 100

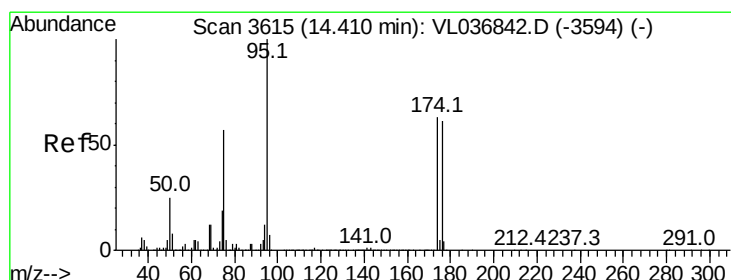
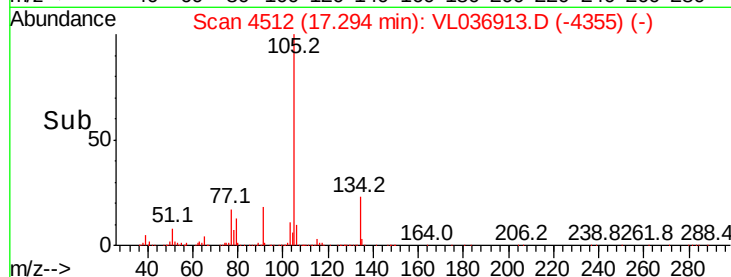
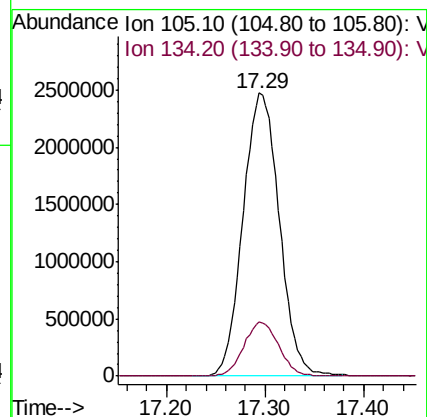
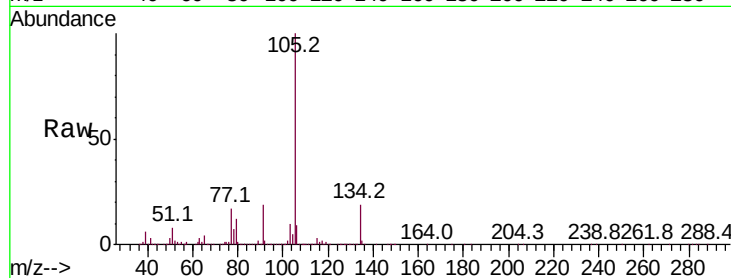
134 18.4 14.8 22.2

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5/10/2021 3:34:23 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.262 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

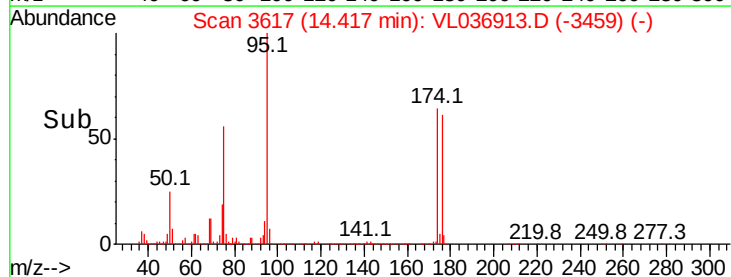
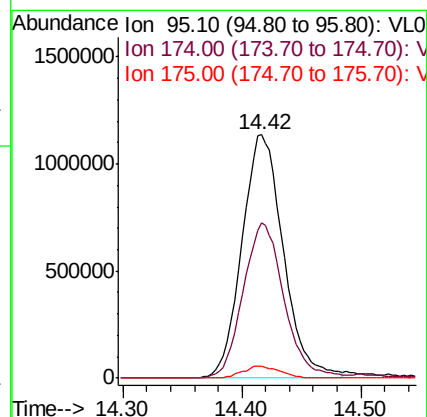
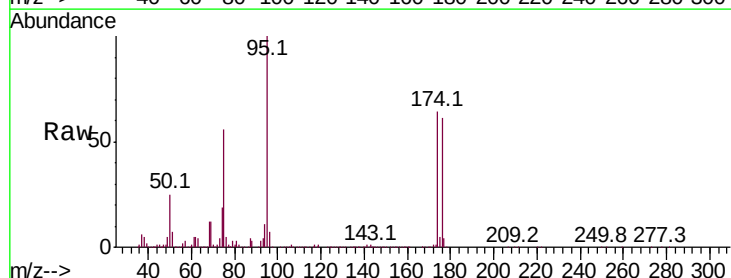
Tgt Ion: 95 Resp: 2734532

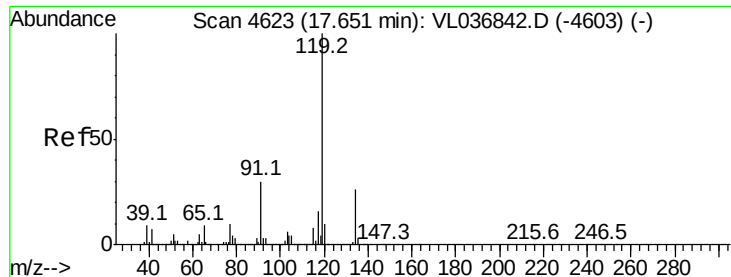
Ion Ratio Lower Upper

95 100

174 65.0 52.2 78.2

175 4.8 4.0 6.0





#69

p-Isopropyltoluene

Concen: 10.585 ppbv

RT: 17.65 min Scan# 4624

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 5157560

Ion Ratio Lower Upper

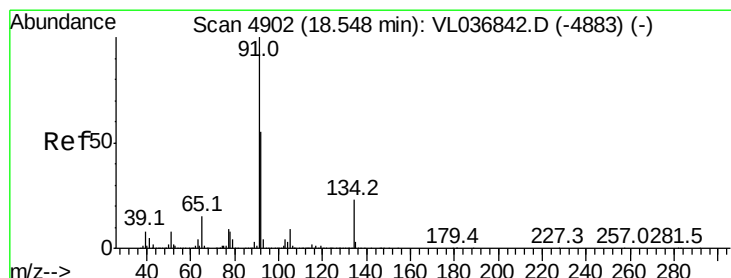
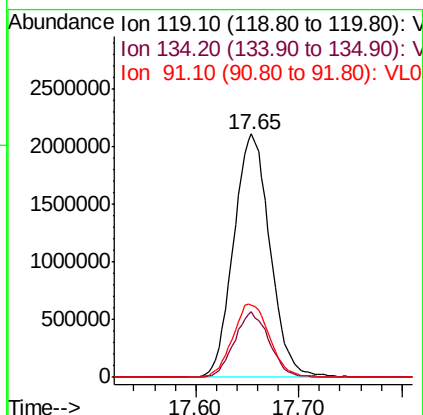
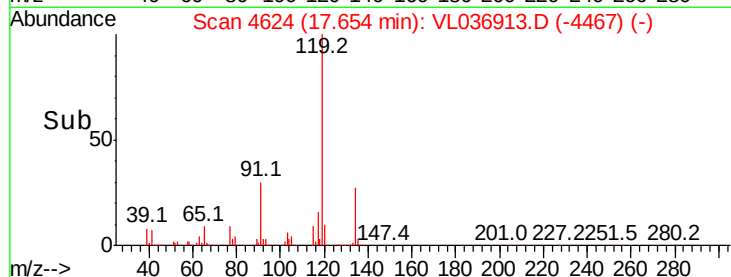
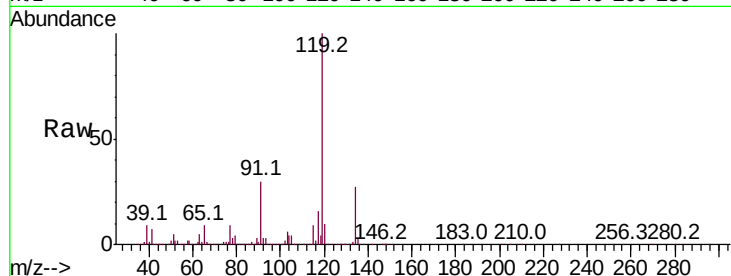
119 100

134 26.0 20.6 31.0

91 30.8 24.2 36.4

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#70

n-Butylbenzene

Concen: 10.889 ppbv

RT: 18.55 min Scan# 4904

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

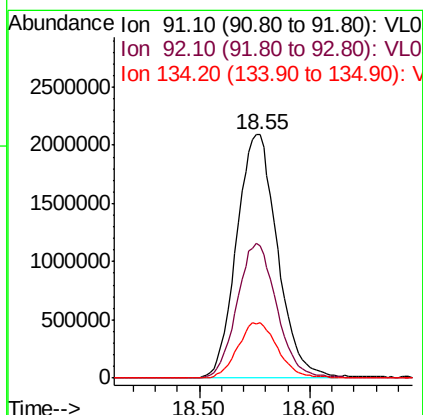
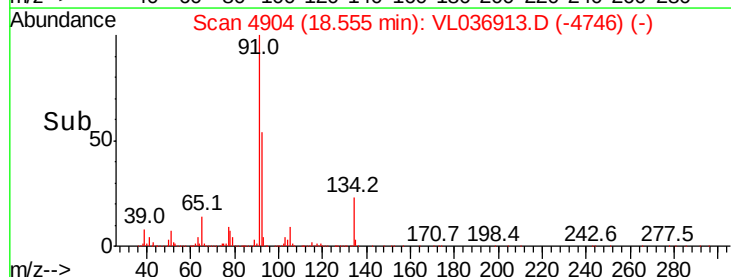
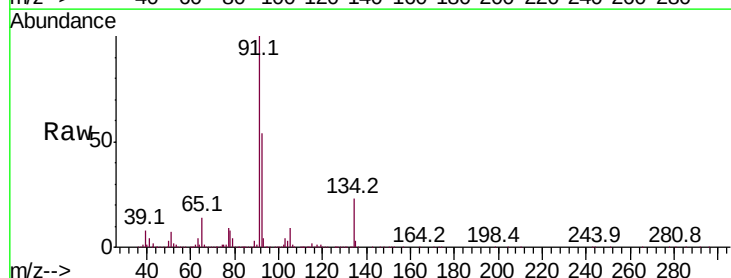
Tgt Ion: 91 Resp: 5347580

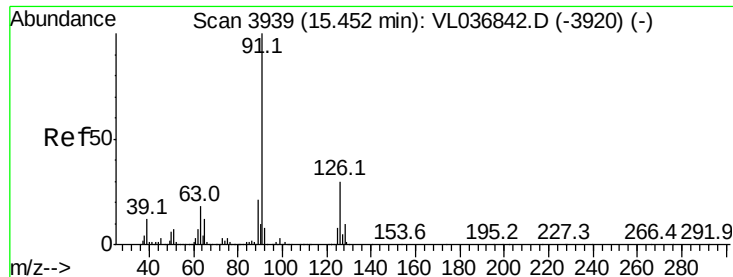
Ion Ratio Lower Upper

91 100

92 54.2 43.5 65.3

134 22.5 18.2 27.4





#71

2-Chlorotoluene

Concen: 10.903 ppbv

RT: 15.46 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3997178

Ion Ratio Lower Upper

91 100

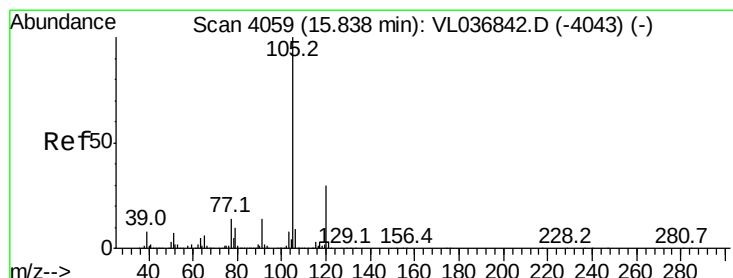
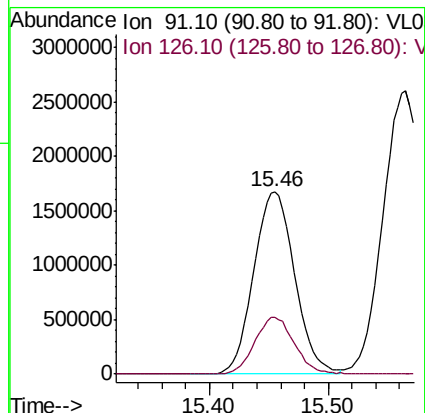
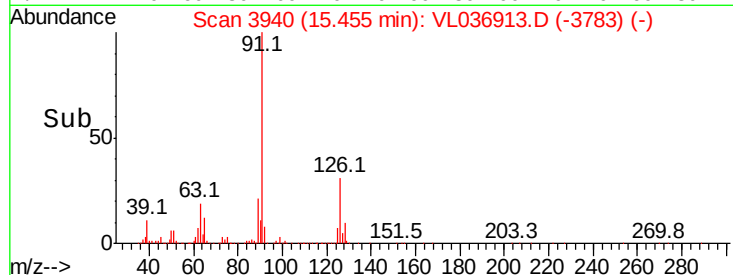
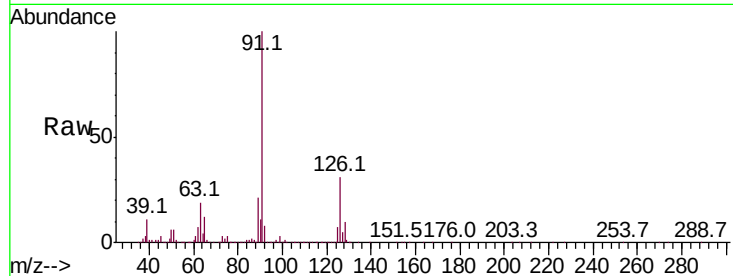
126 30.6 12.3 49.3

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5/10/2021 3:34:23 PM



#72

4-Ethyltoluene

Concen: 10.824 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Tgt Ion: 105 Resp: 4227284

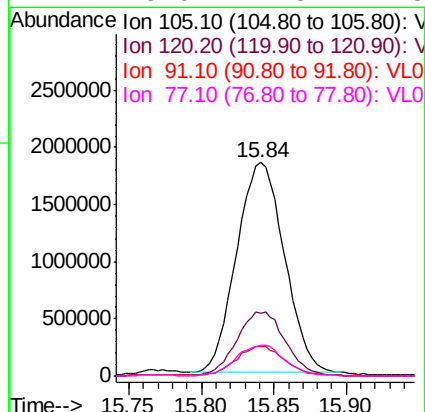
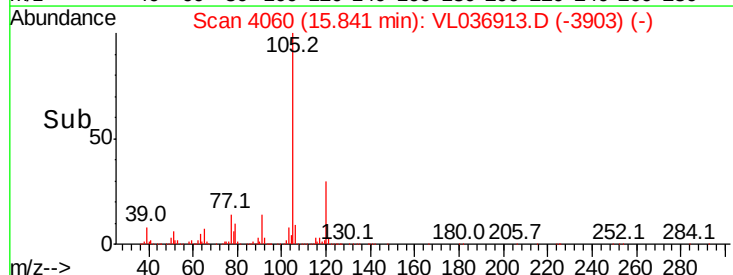
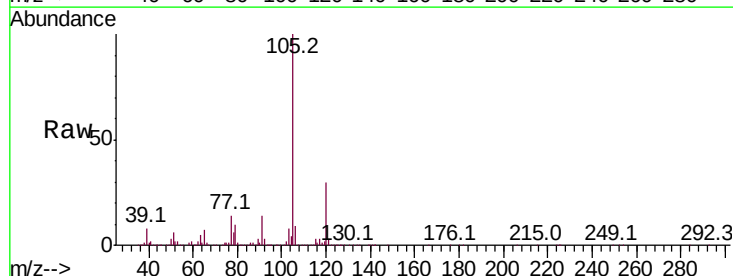
Ion Ratio Lower Upper

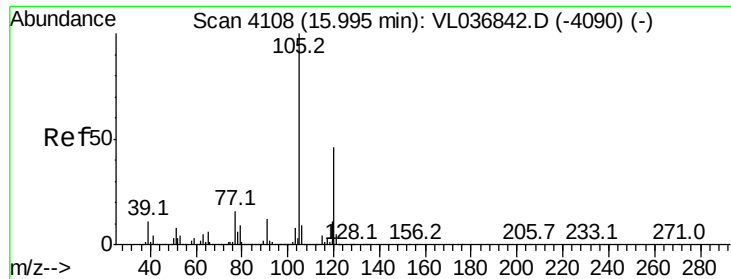
105 100

120 31.1 23.8 35.6

91 14.1 10.7 16.1

77 15.0 11.5 17.3





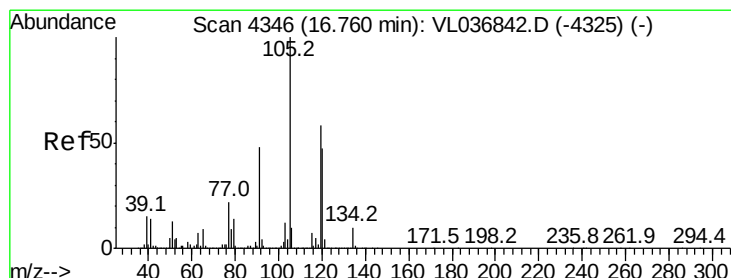
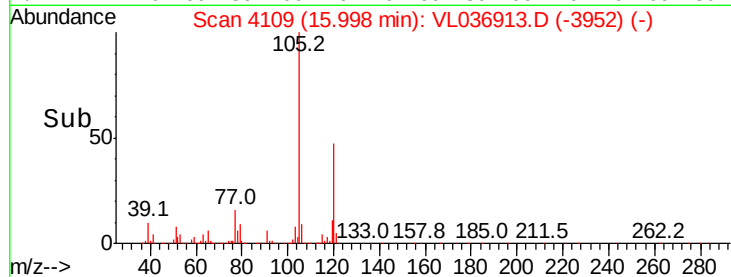
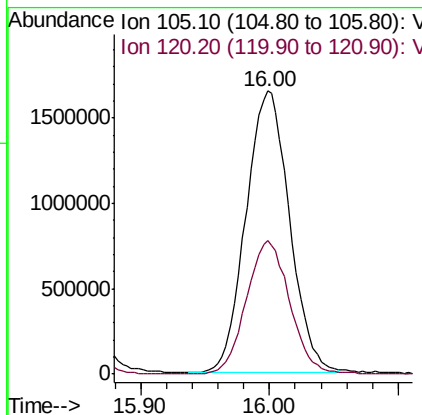
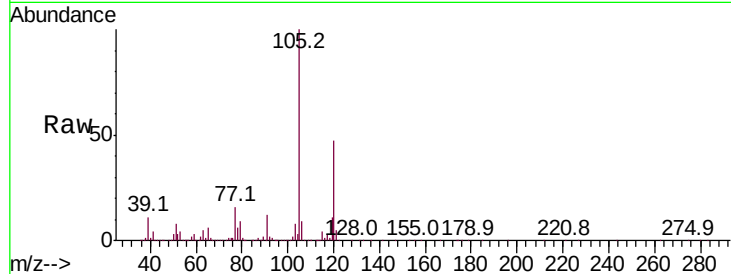
#73
 1,3,5-Trimethylbenzene
 Concen: 10.268 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 3889030
 Ion Ratio Lower Upper
 105 100
 120 47.1 36.8 55.2

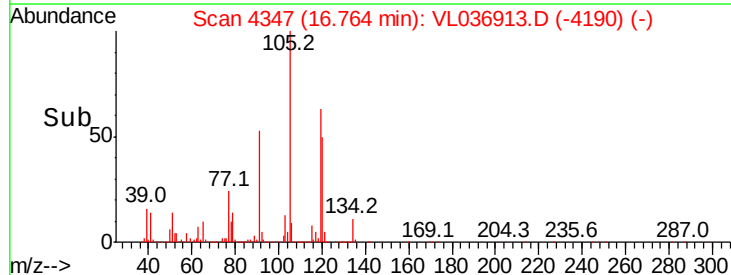
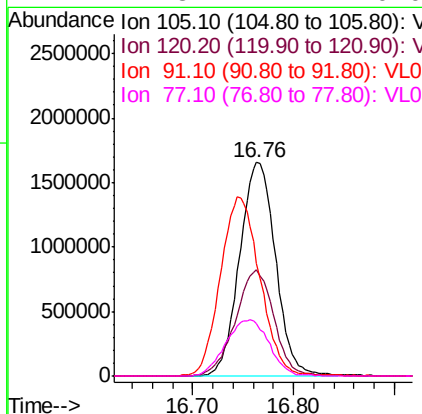
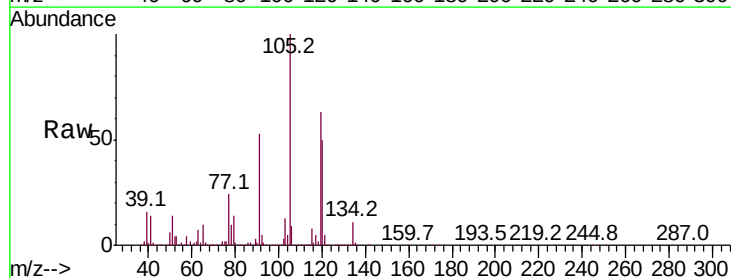
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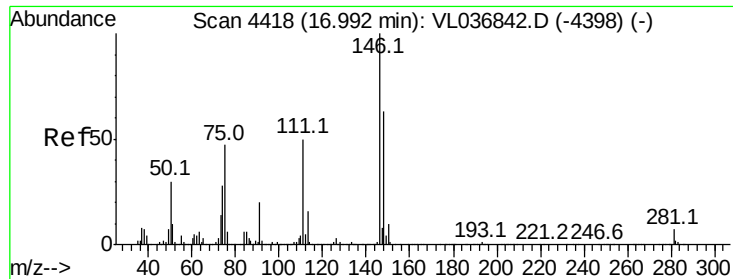
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.172 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. 0.00 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Tgt Ion:105 Resp: 4092140
 Ion Ratio Lower Upper
 105 100
 120 49.5 37.6 56.4
 91 52.4 39.0 58.4
 77 24.3 17.4 26.0





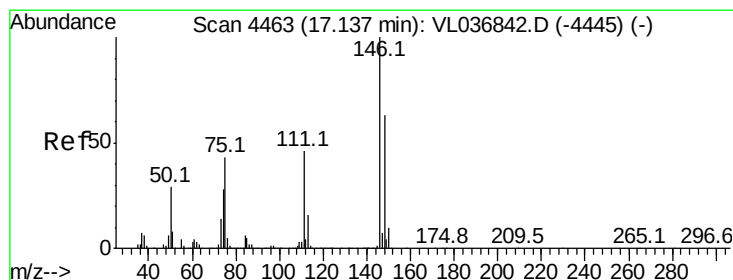
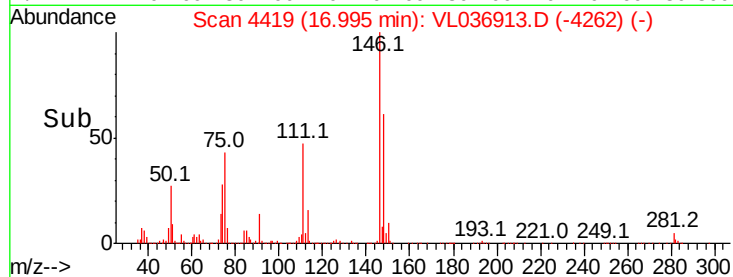
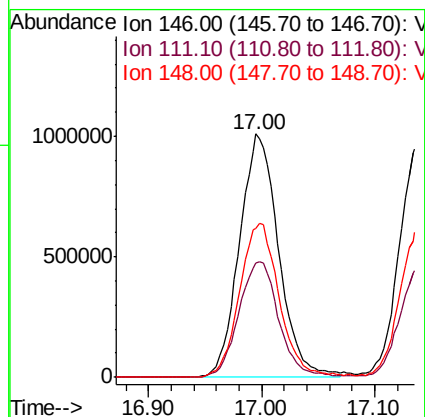
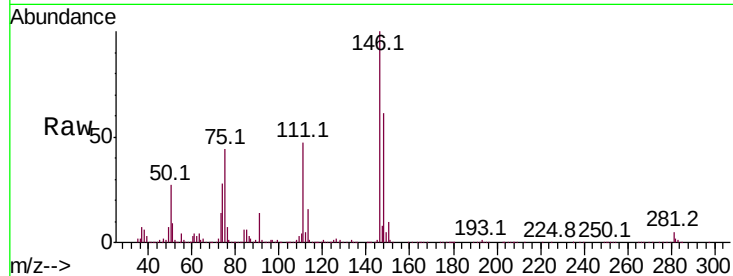
#75
 1,3-Dichlorobenzene
 Concen: 10.198 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. 0.00 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.2	72.6
148	64.4	32.1	96.3

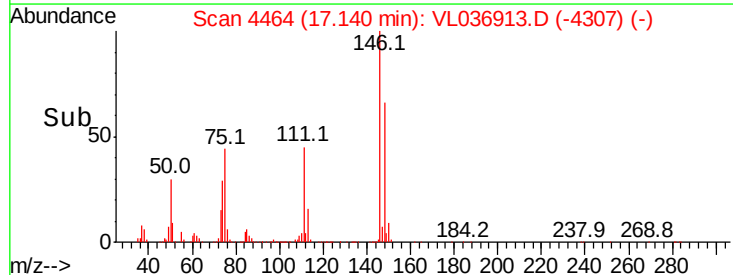
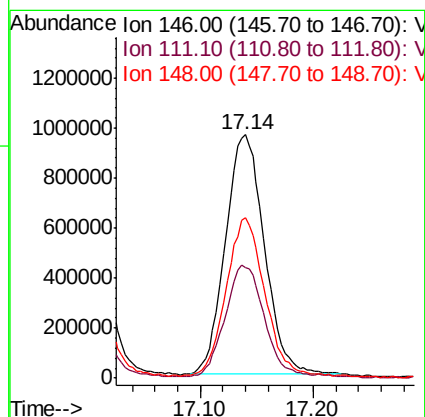
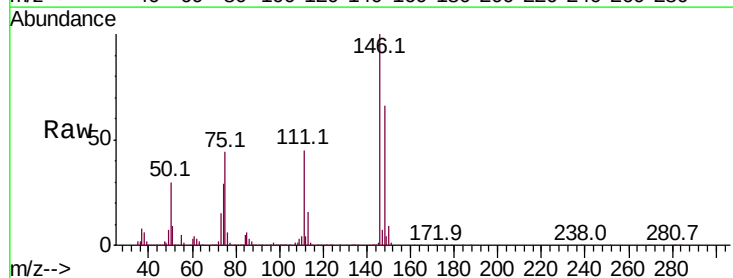
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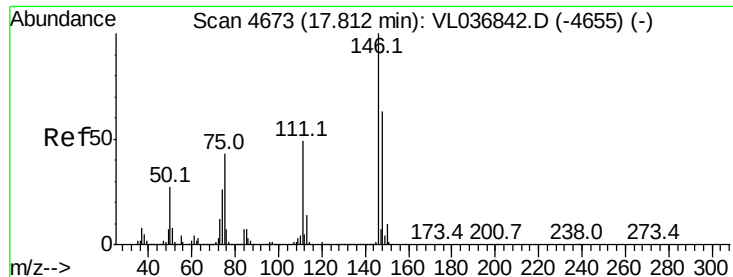
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#76
 1,4-Dichlorobenzene
 Concen: 9.904 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. 0.00 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.3	72.8
148	67.7	32.4	97.0





#77

1,2-Dichlorobenzene

Concen: 10.130 ppbv

RT: 17.82 min Scan# 4676

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2352993

Ion Ratio Lower Upper

146 100

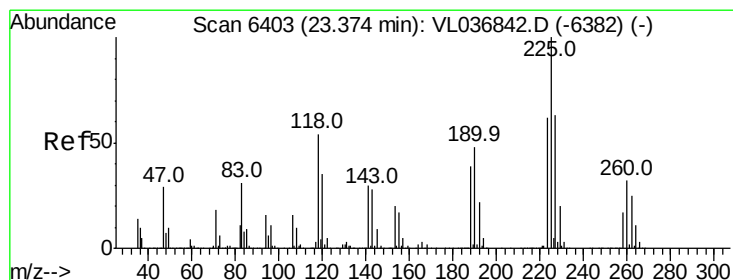
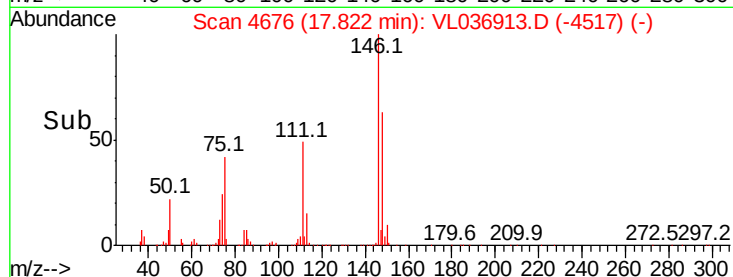
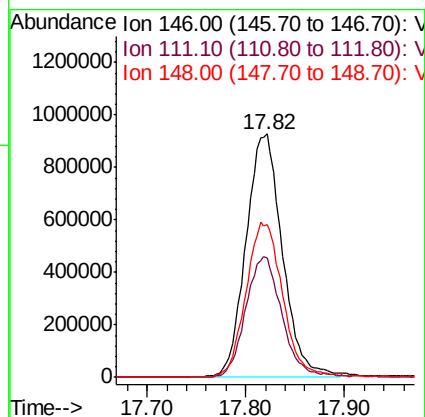
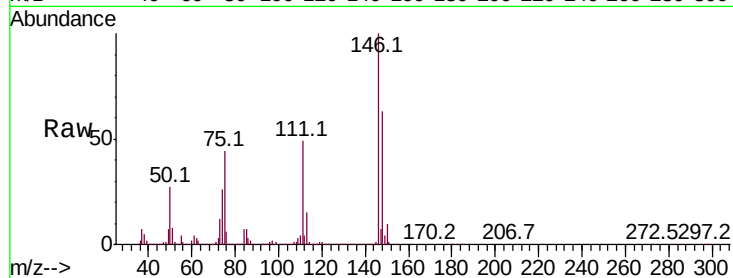
111 49.9 25.0 75.0

148 65.1 32.4 97.0

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#78

Hexachloro-1,3-Butadiene

Concen: 9.187 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

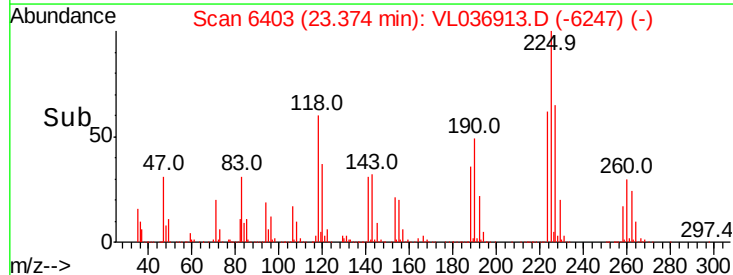
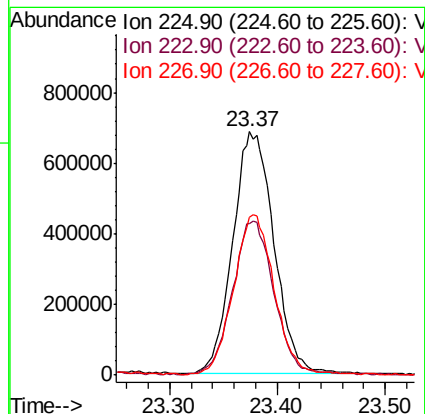
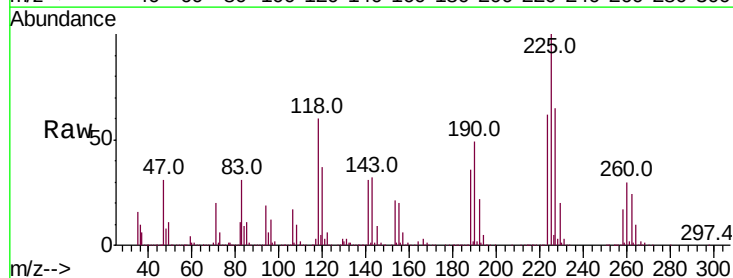
Tgt Ion:225 Resp: 1813212

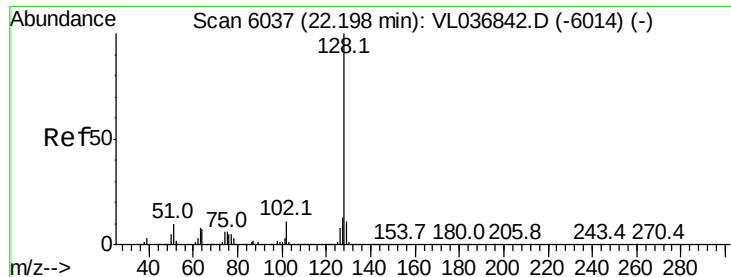
Ion Ratio Lower Upper

225 100

223 64.1 51.2 76.8

227 65.6 51.8 77.6





#79

Naphthalene

Concen: 12.136 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 2734484

Ion Ratio Lower Upper

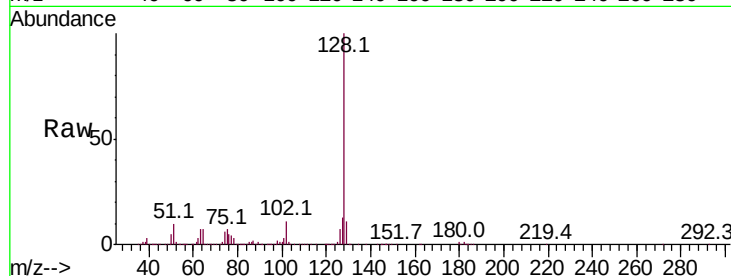
128 100

127 13.1 10.6 15.8

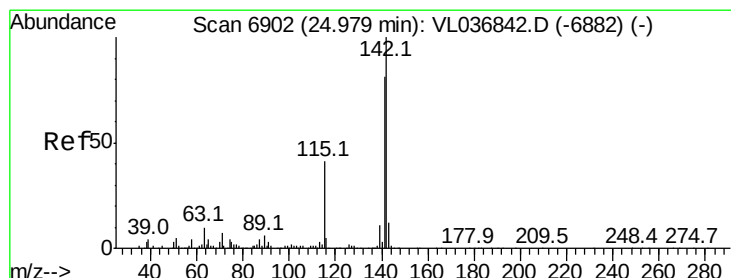
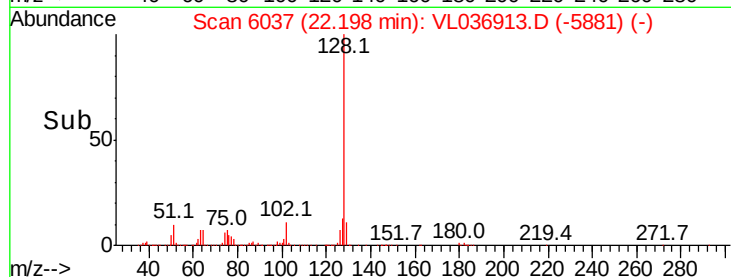
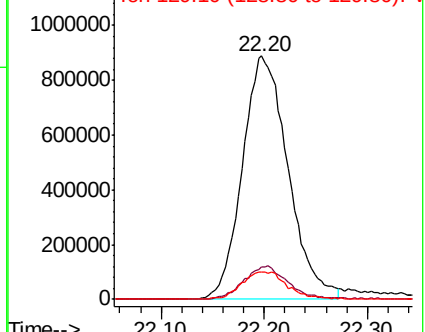
129 11.0 9.0 13.4

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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 14.892 ppbv

RT: 24.98 min Scan# 6903

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

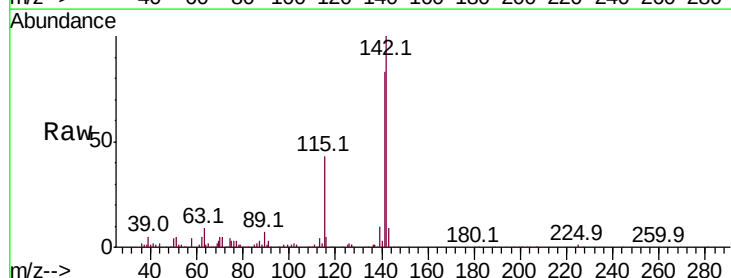
Tgt Ion:142 Resp: 370024

Ion Ratio Lower Upper

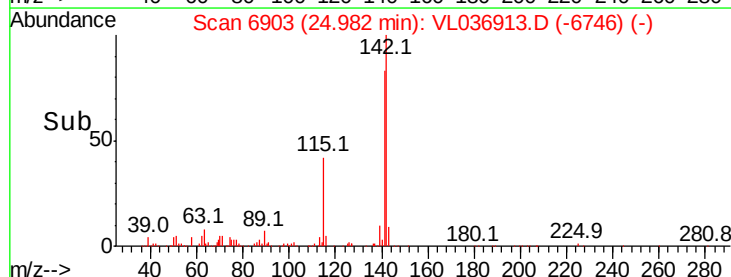
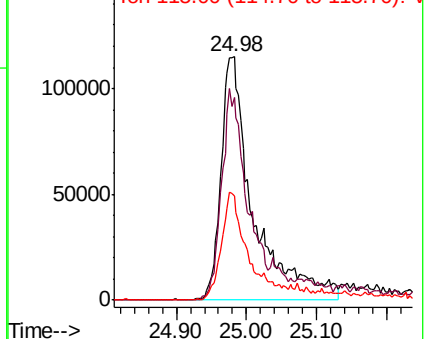
142 100

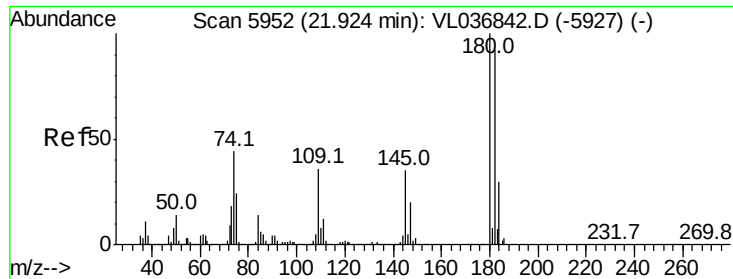
141 89.7 62.6 93.8

115 39.5 32.0 48.0



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





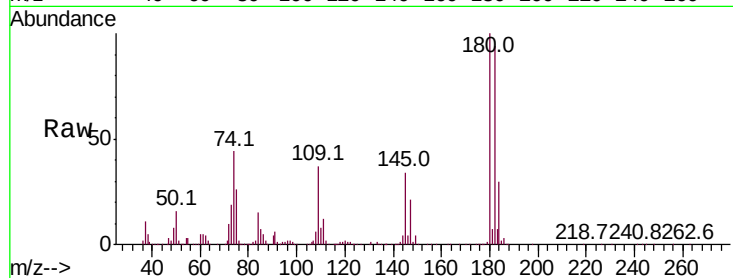
#81
 1,2,4-Trichlorobenzene
 Concen: 11.560 ppbv
 RT: 21.93 min Scan# 5953
 Delta R.T. 0.00 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.8	80.9	121.3
184	31.2	25.3	37.9

Manual Integrations
 APPROVED

MMDadoda
 5/10/2021 3:34:23 PM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

