

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036211.D
 Acq On : 13 Jan 2021 3:16
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

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 1/19/2021 4:35:01 PM

Quant Time: Jan 14 15:59:20 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 18
 QLast Update : Wed Jan 13 05:46:16 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1571147	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3429513	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3319142	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2670780	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	400376	2.170 ppbv	99
3) Chlorodifluoromethane	2.98	51	400469	2.228 ppbv	99
4) Chloromethane	3.13	50	200380	2.265 ppbv #	86
5) Vinyl Chloride	3.25	62	189540	1.944 ppbv	91
6) Bromomethane	3.47	94	106762m	2.140 ppbv	
7) Chloroethane	3.55	64	62644	1.908 ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	434909m	2.168 ppbv	
9) Propene	3.00	41	192282	2.156 ppbv	98
10) Heptane	8.11	43	508292	2.234 ppbv	98
11) Trichlorofluoromethane	3.94	101	453070	2.142 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	276087	1.955 ppbv	97
13) Ethanol	3.60	45	32030m	2.593 ppbv	
14) Bromoethene	3.73	108	128587m	2.197 ppbv	
15) Acetone	3.85	43	420239	2.260 ppbv	92
16) 1,3-Butadiene	3.32	39	188629	2.010 ppbv	99
17) tert-Butyl alcohol	4.29	59	363408m	2.076 ppbv	
18) 1,1-Dichloroethene	4.29	96	131403m	2.095 ppbv	
19) Isopropyl Alcohol	3.97	45	255972m	2.253 ppbv	
20) Methylene Chloride	4.34	84	127881m	1.716 ppbv	
21) Allyl Chloride	4.40	41	229946m	1.908 ppbv	
22) trans-1,2-Dichloroethene	4.88	96	113699	1.822 ppbv	92
23) Vinyl Acetate	5.07	43	547645	2.215 ppbv #	99
24) 1,1-Dichloroethane	5.00	63	373146m	2.146 ppbv	
25) Ethyl Acetate	5.67	43	864519m	2.323 ppbv	
26) Hexane	5.68	57	353070m	2.109 ppbv	
27) Carbon Disulfide	4.55	76	274589	1.707 ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	471818	2.028 ppbv	98
29) Chloroform	5.74	83	498305	2.247 ppbv	96
30) Cyclohexane	7.12	84	265445	2.125 ppbv #	82
31) cis-1,2-Dichloroethene	5.54	61	325667	2.125 ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	455726	1.992 ppbv	93
34) 2-Butanone	5.24	43	558054m	2.424 ppbv	
35) Carbon Tetrachloride	7.01	117	457751	2.288 ppbv	98
36) Benzene	6.89	78	681671	2.335 ppbv	94
37) 1,2-Dichloroethane	6.30	62	397837	2.338 ppbv	99
38) Trichloroethene	7.83	130	226566m	2.101 ppbv	
39) 1,2-Dichloropropane	7.61	63	268067	2.319 ppbv	97
40) 1,4-Dioxane	7.83	88	97532m	2.677 ppbv	
41) Tetrahydrofuran	6.05	42	315904m	2.339 ppbv	
42) Bromodichloromethane	7.78	83	528687	2.353 ppbv	96
43) Methyl Methacrylate	8.01	69	292363	2.334 ppbv	98

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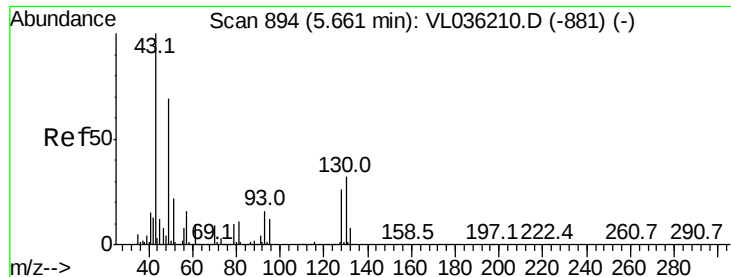
Manual Integrations
 APPROVED

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Quant Time: Jan 14 15:59:20 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 15:59:20 2021
 QLast Update : Wed Jan 13 05:46:16 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	1265611	2.403	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	280979m	2.193	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	345140m	2.134	ppbv	
47) 1,1,2-Trichloroethane	9.47	97	270061	2.422	ppbv	94
48) Dibromochloromethane	10.30	129	395568	2.370	ppbv	98
49) Bromoform	13.04	173	323376	2.450	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	830853m	2.426	ppbv	
51) 2-Hexanone	10.14	43	650739	2.398	ppbv	97
52) Tetrachloroethene	11.22	164	210200	2.003	ppbv	95
53) Toluene	9.80	91	771330	2.355	ppbv	99
54) 1,2-Dibromoethane	10.61	107	389291	2.330	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	320511	2.331	ppbv #	1
57) Chlorobenzene	12.14	112	556828	2.379	ppbv	97
58) Ethyl Benzene	12.71	91	1087082	2.374	ppbv	99
59) m/p-Xylene	12.99	91	1849988m	4.806	ppbv	
60) o-Xylene	13.69	91	884684	2.435	ppbv	98
61) Styrene	13.53	104	553003	2.345	ppbv	98
62) Isopropylbenzene	14.67	105	1331133	2.463	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.67	83	630423	2.555	ppbv	98
64) n-propylbenzene	15.55	120	324102	2.477	ppbv	84
65) tert-Butylbenzene	16.74	119	1182762	2.661	ppbv	100
66) Benzyl Chloride	16.99	91	263357	2.309	ppbv	98
67) sec-Butylbenzene	17.29	105	1722041	2.741	ppbv	98
69) p-Isopropyltoluene	17.65	119	1381269	2.761	ppbv	99
70) n-Butylbenzene	18.55	91	1476713	2.935	ppbv	99
71) 2-Chlorotoluene	15.45	91	1039150	2.517	ppbv	99
72) 4-Ethyltoluene	15.83	105	1017685	2.554	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	955543	2.505	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	1017160	2.659	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	529266	2.742	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	499982	2.544	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	502531	2.686	ppbv	98
78) Hexachloro-1,3-Butadiene	23.38	225	407966	2.761	ppbv	95
79) Naphthalene	22.20	128	572307m	2.795	ppbv	
80) Naphthalene, 2-methyl-	24.99	142	101754	2.433	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.93	180	326862m	2.513	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1571147

Ion Ratio Lower Upper

49 100

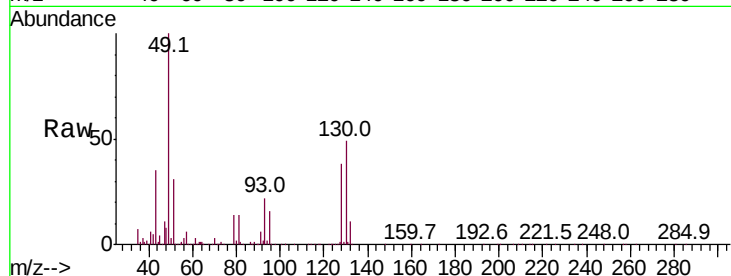
128 40.2 20.1 60.2

130 51.8 25.3 75.9

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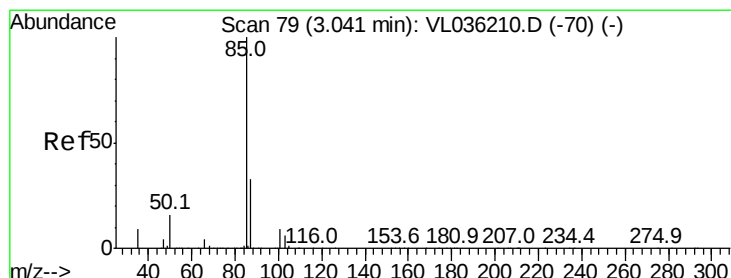
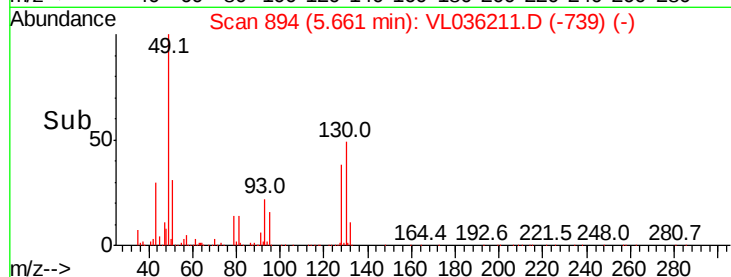
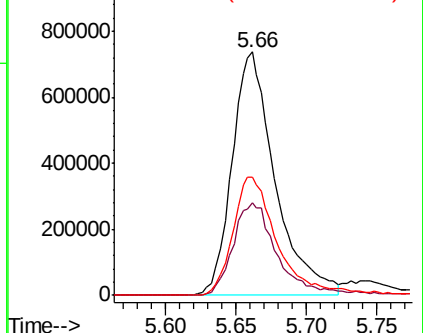
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 2.170 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL036211.D

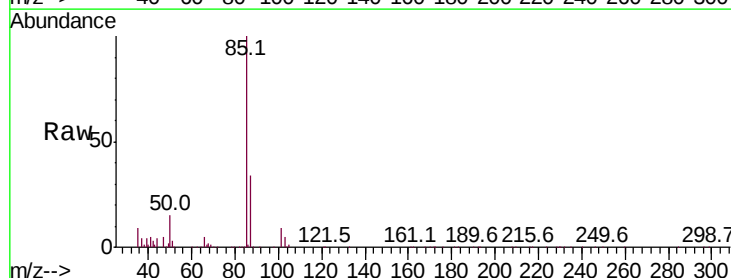
Acq: 13 Jan 2021 3:16

Tgt Ion: 85 Resp: 400376

Ion Ratio Lower Upper

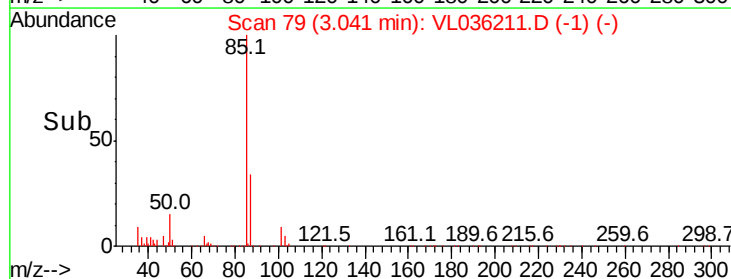
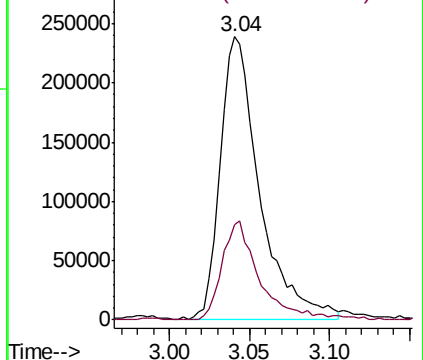
85 100

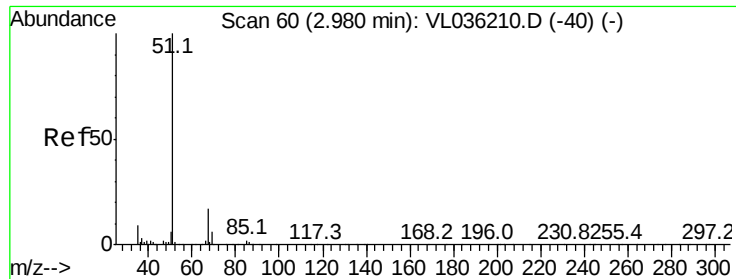
87 33.6 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





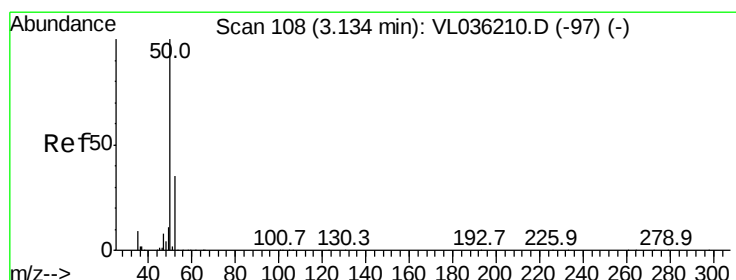
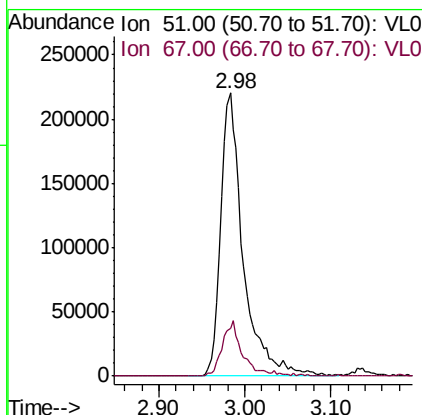
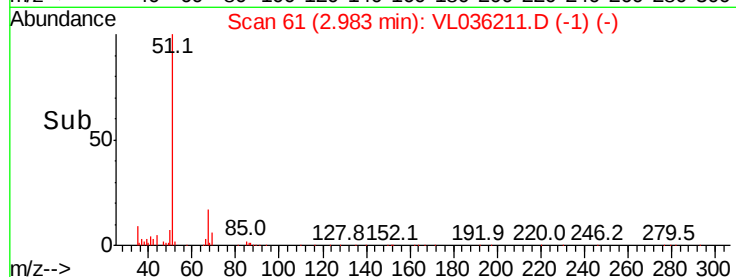
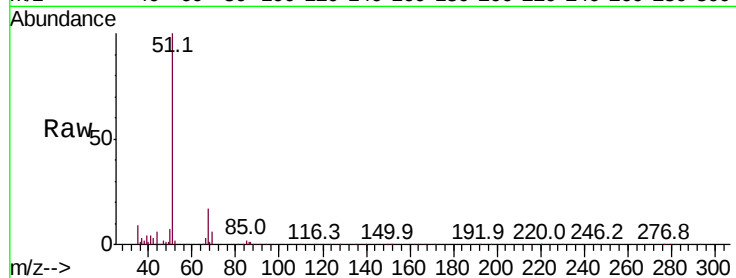
#3
Chlorodifluoromethane
Concen: 2.228 ppbv
RT: 2.98 min Scan# 61
Delta R.T. 0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
51	100		
67	18.0	14.0	21.0

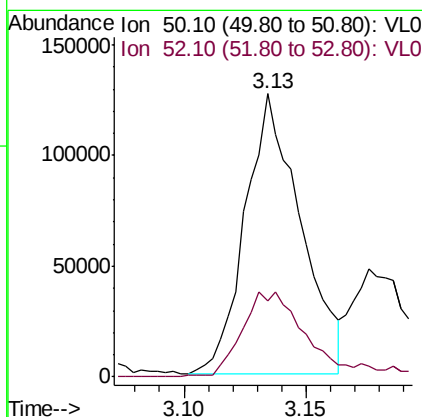
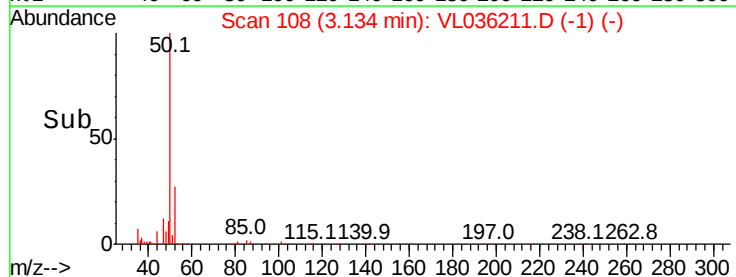
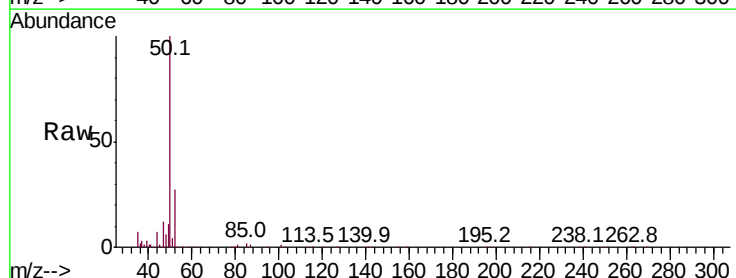
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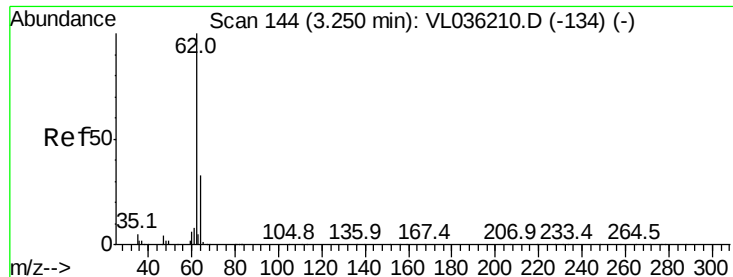
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#4
Chloromethane
Concen: 2.265 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
50	100		
52	26.4	27.8	41.8#





#5

Vinyl Chloride

Concen: 1.944 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 189540

Ion Ratio Lower Upper

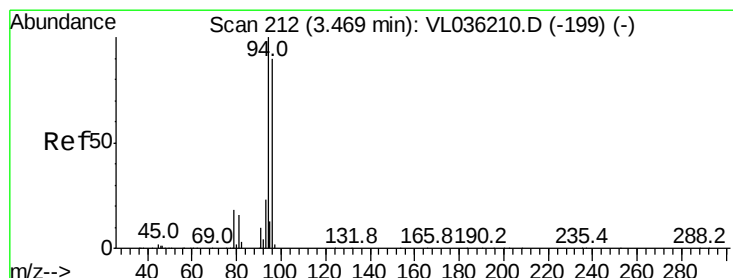
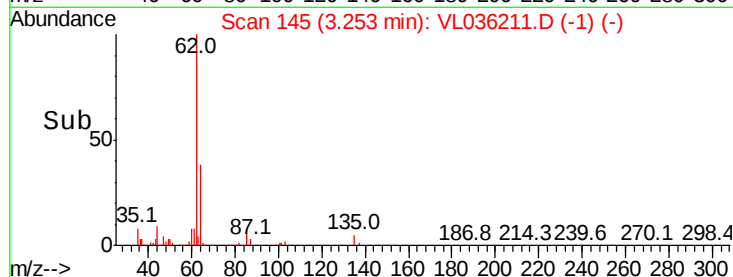
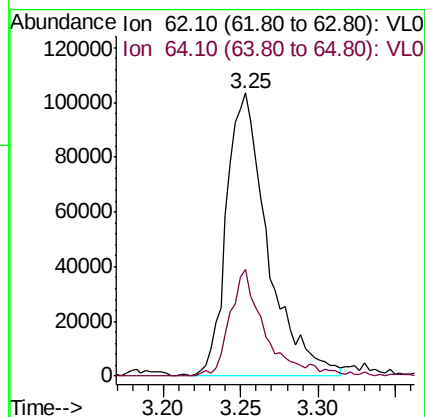
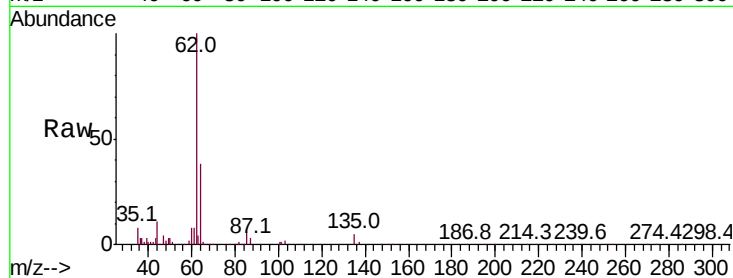
62 100

64 37.8 26.2 39.2

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#6

Bromomethane

Concen: 2.140 ppbv m

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL036211.D

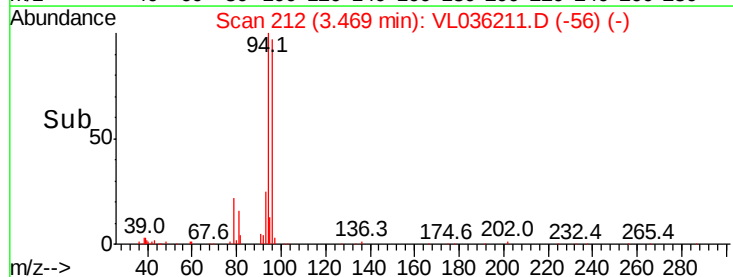
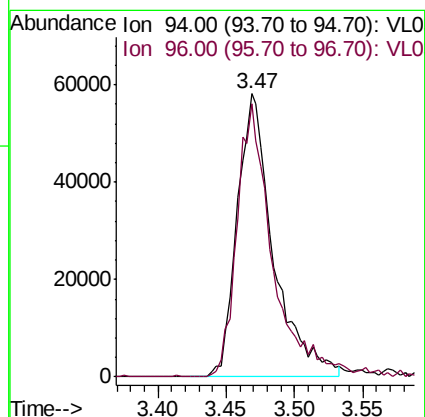
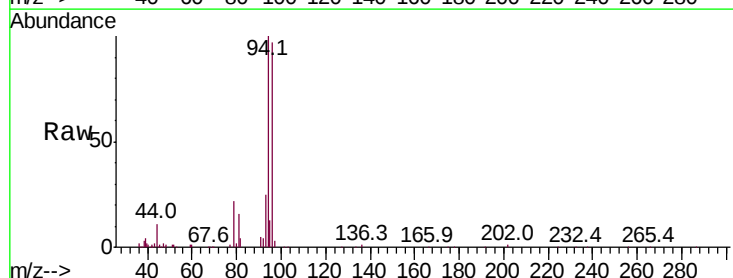
Acq: 13 Jan 2021 3:16

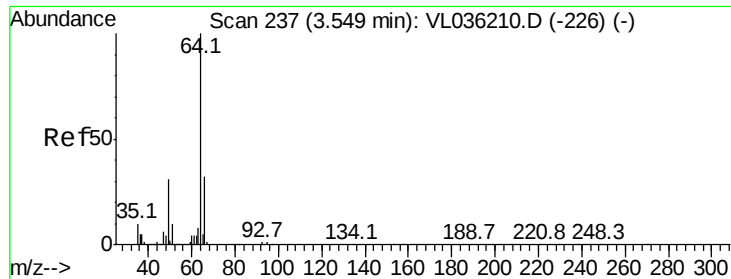
Tgt Ion: 94 Resp: 106762

Ion Ratio Lower Upper

94 100

96 96.6 71.9 107.9





#7

Chloroethane

Concen: 1.908 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.00 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 62644

Ion Ratio Lower Upper

64 100

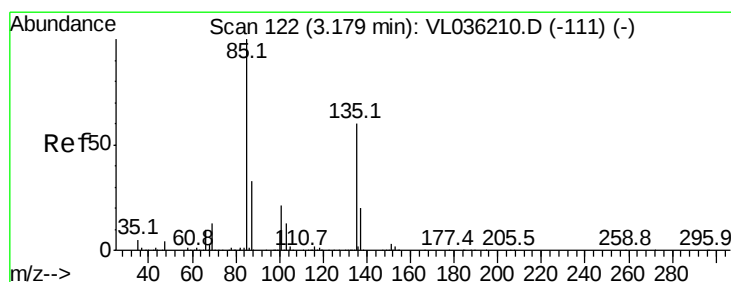
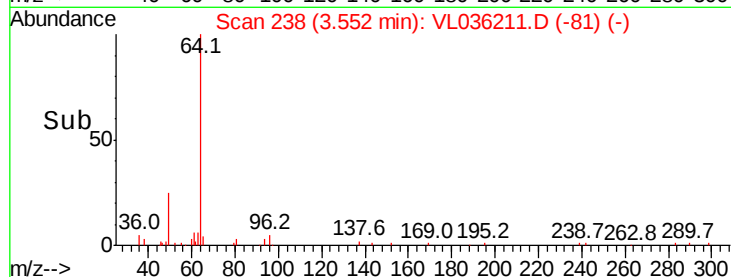
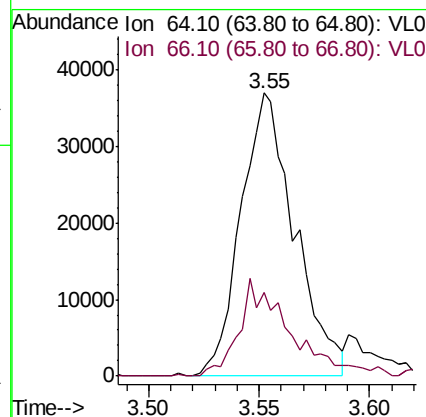
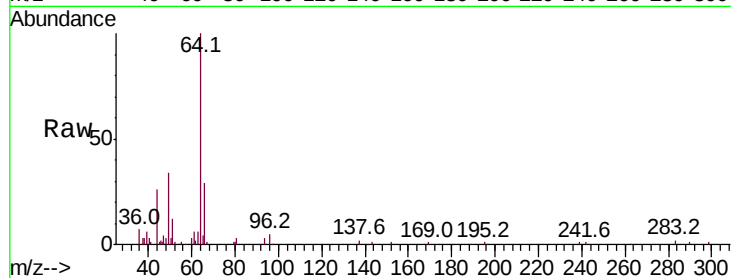
66 29.4 25.2 37.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 2.168 ppbv m

RT: 3.18 min Scan# 122

Delta R.T. -0.00 min

Lab File: VL036211.D

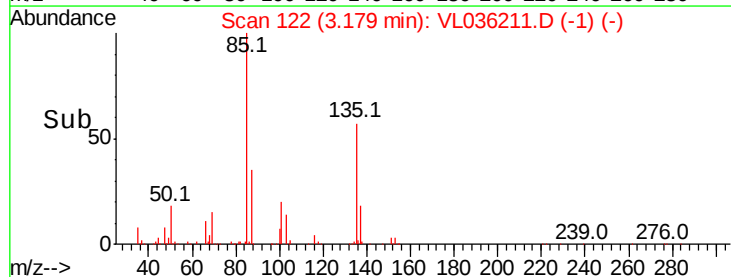
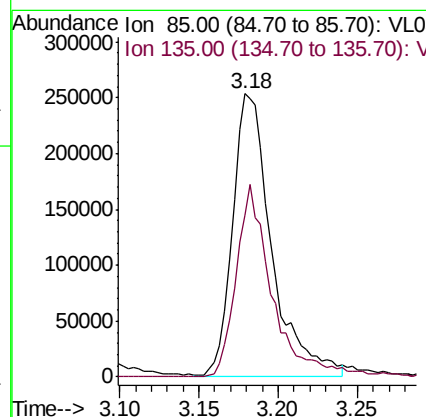
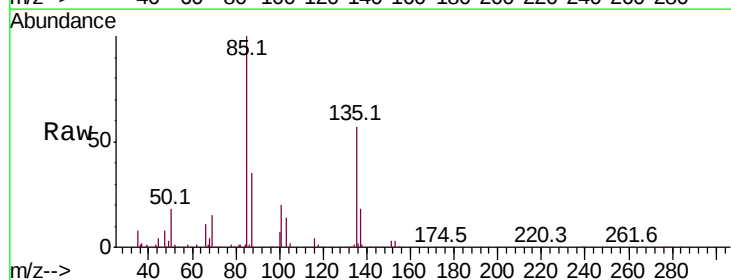
Acq: 13 Jan 2021 3:16

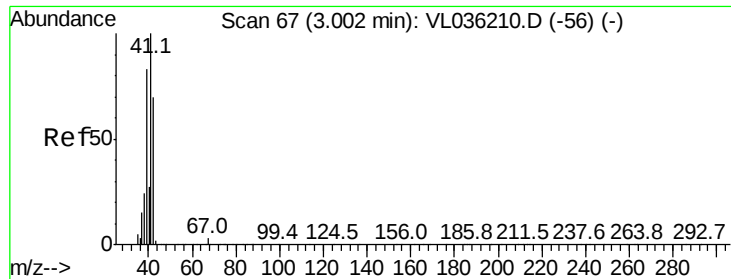
Tgt Ion: 85 Resp: 434909

Ion Ratio Lower Upper

85 100

135 63.3 51.5 77.3





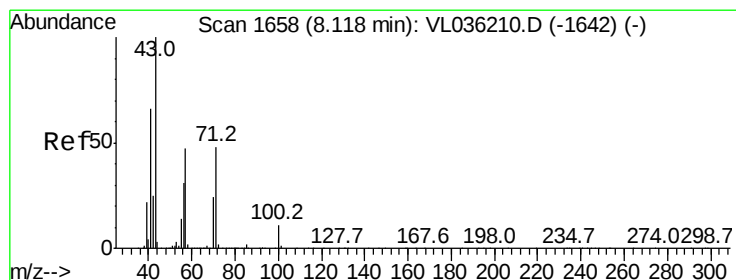
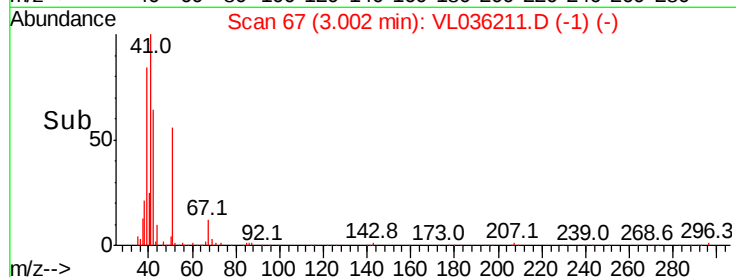
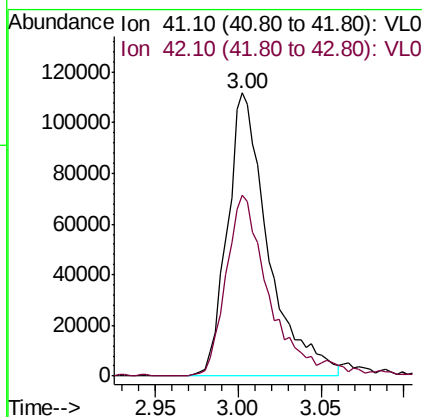
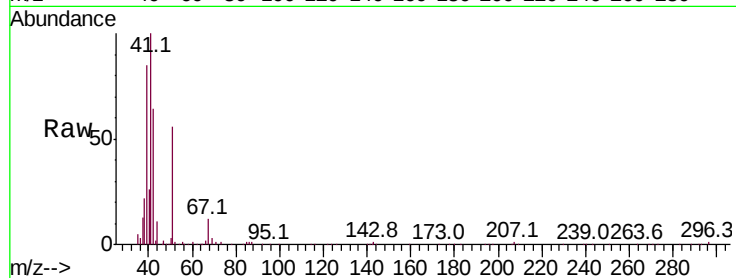
#9
 Propene
 Concen: 2.156 ppbv
 RT: 3.00 min Scan# 67
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 41 Resp: 192282
 Ion Ratio Lower Upper
 41 100
 42 69.3 57.1 85.7

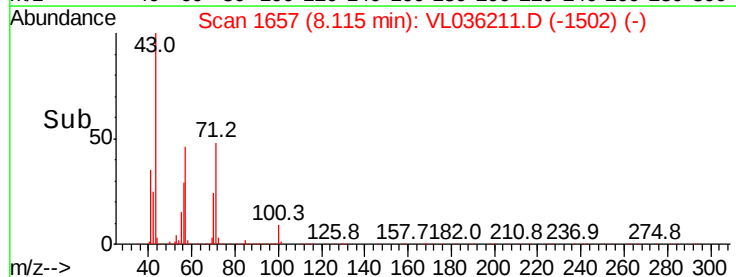
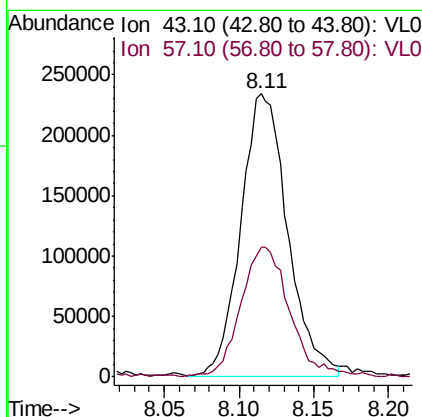
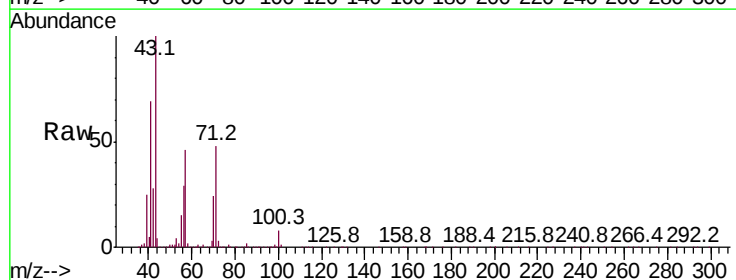
Manual Integrations
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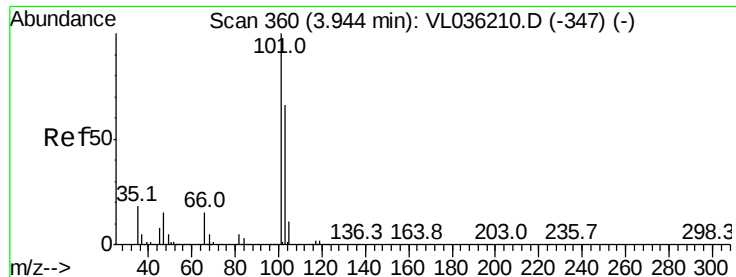
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#10
 Heptane
 Concen: 2.234 ppbv
 RT: 8.11 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Tgt Ion: 43 Resp: 508292
 Ion Ratio Lower Upper
 43 100
 57 49.1 38.1 57.1





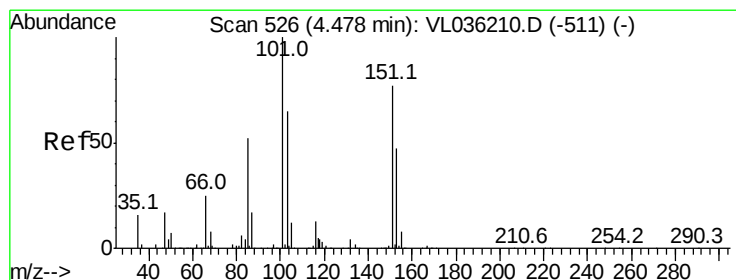
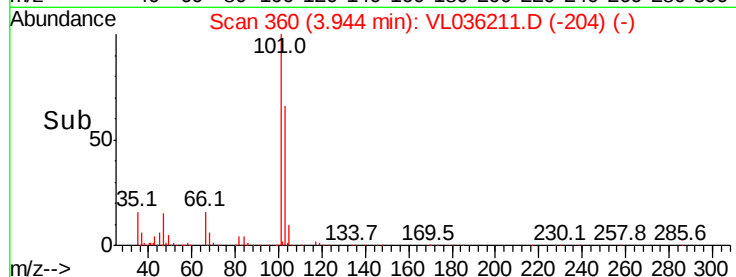
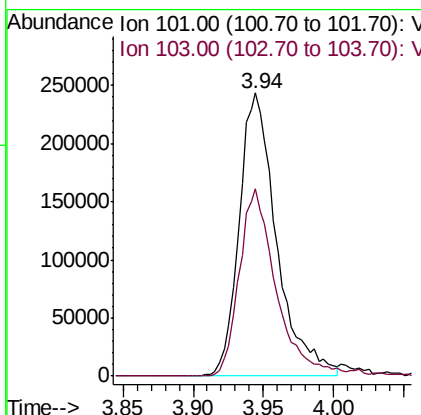
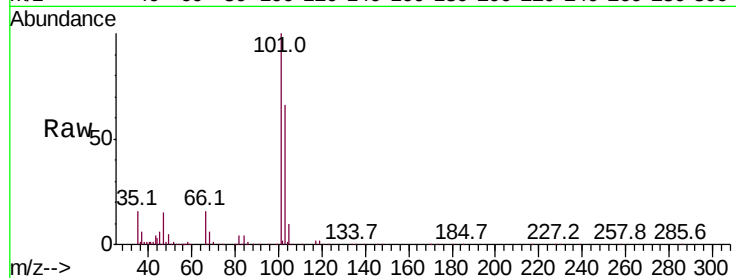
#11
 Trichlorofluoromethane
 Concen: 2.142 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.6	78.8

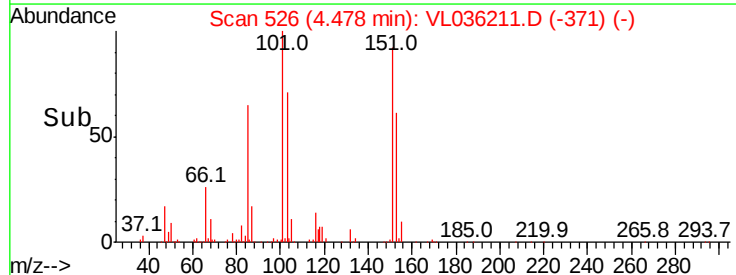
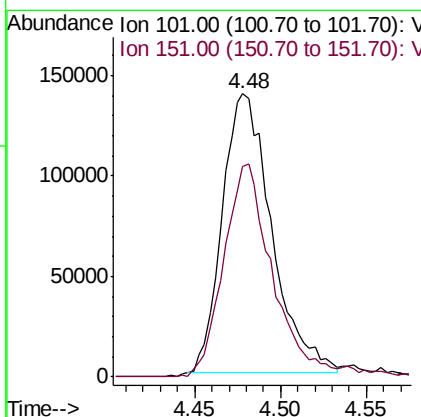
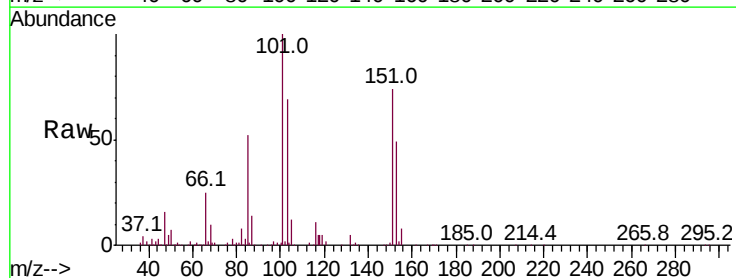
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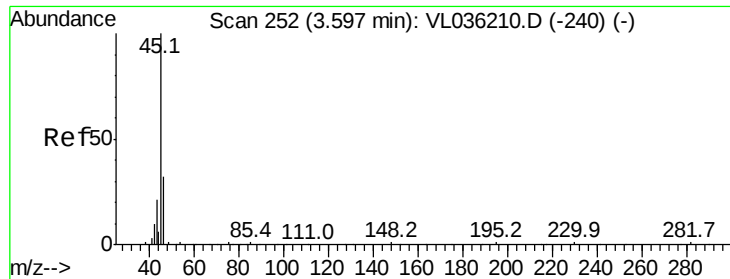
MMDadoda
 1/19/2021 4:35:01 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.955 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
101	100		
151	77.3	59.8	89.6





#13

Ethanol

Concen: 2.593 ppbv m

RT: 3.60 min Scan# 254

Delta R.T. 0.01 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 32030

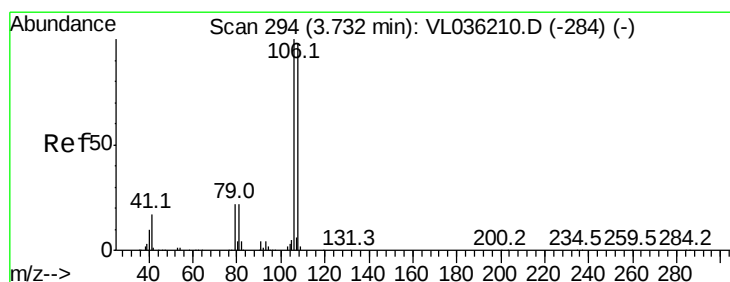
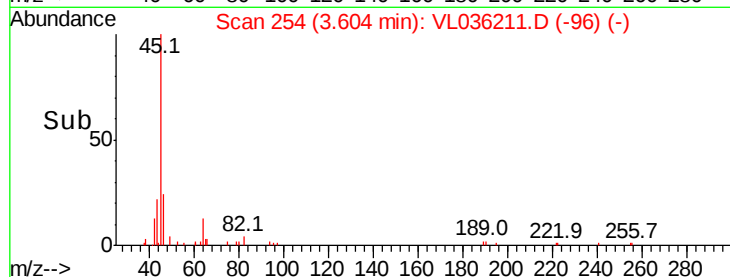
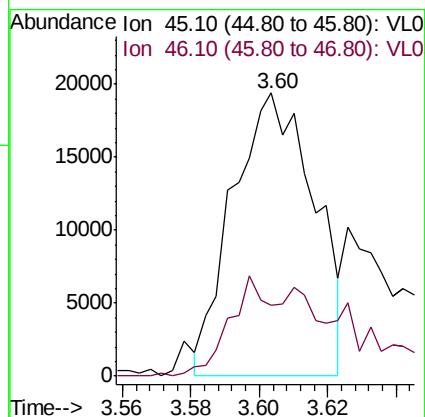
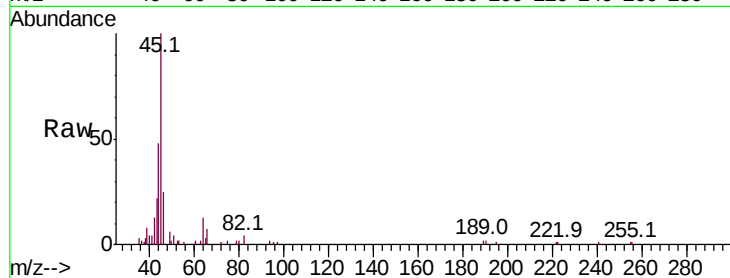
Ion Ratio Lower Upper

45 100

46 58.4 19.2 77.0

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#14

Bromoethene

Concen: 2.197 ppbv m

RT: 3.73 min Scan# 294

Delta R.T. -0.00 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

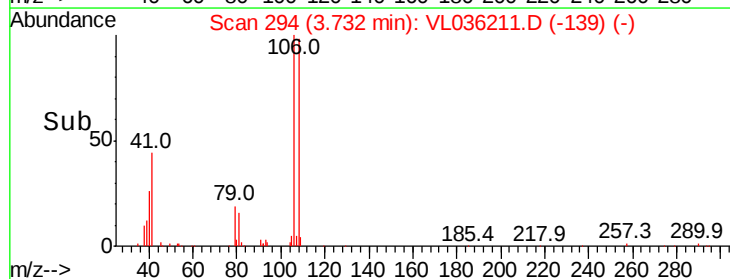
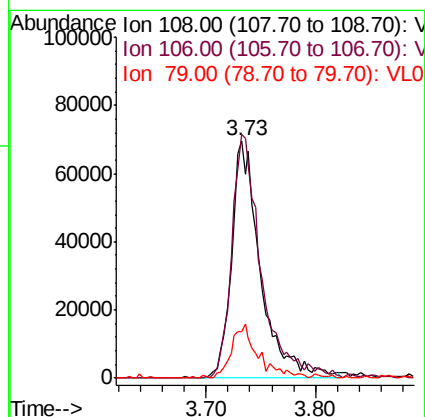
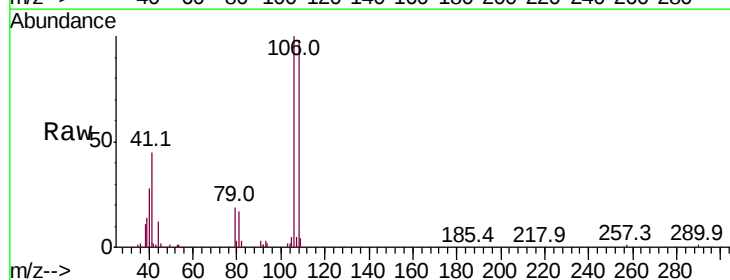
Tgt Ion: 108 Resp: 128587

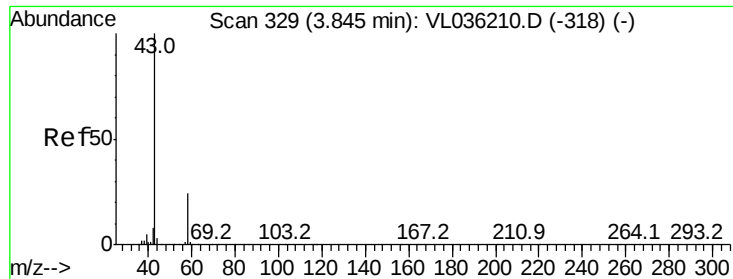
Ion Ratio Lower Upper

108 100

106 106.3 91.4 137.2

79 22.5 18.3 27.5





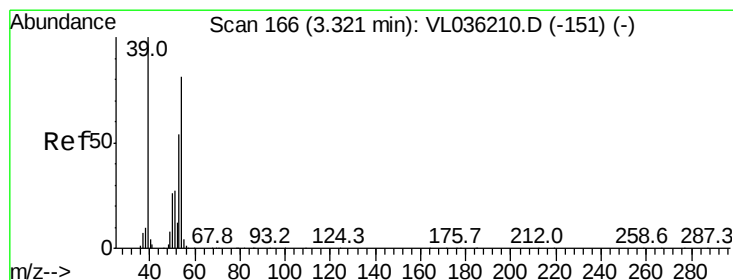
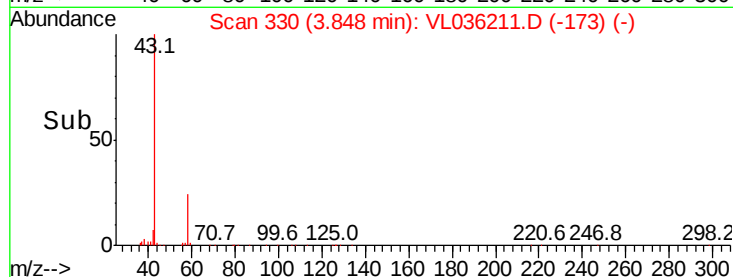
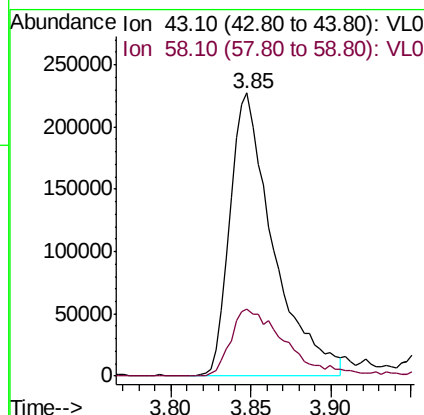
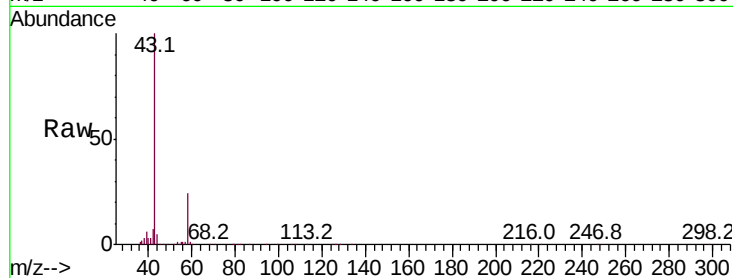
#15
Acetone
Concen: 2.260 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	43	Resp	420239
Ion Ratio	100	Lower	Upper
58	30.2	20.9	31.3

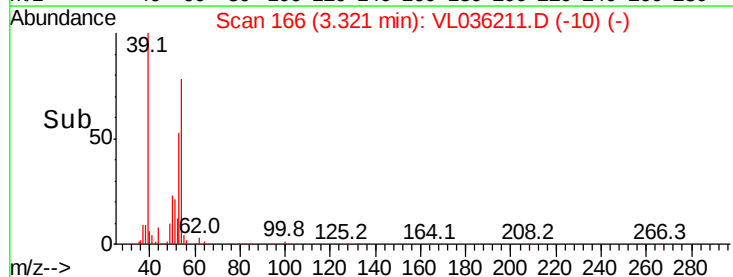
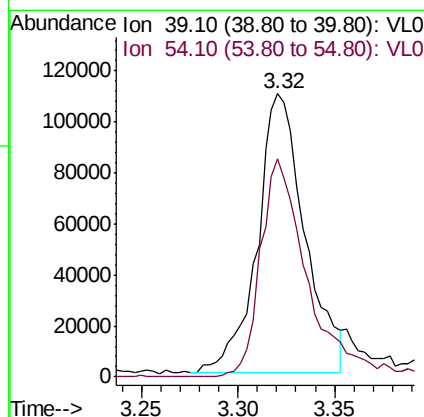
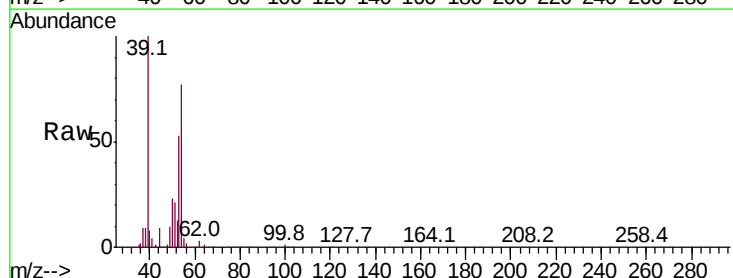
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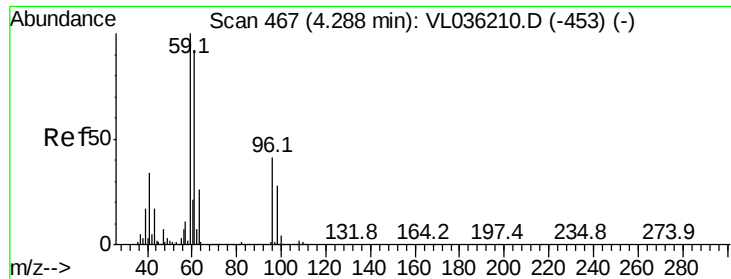
MMDadoda
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#16
1,3-Butadiene
Concen: 2.010 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Tgt Ion	39	Resp	188629
Ion Ratio	100	Lower	Upper
54	77.6	62.5	93.7





#17

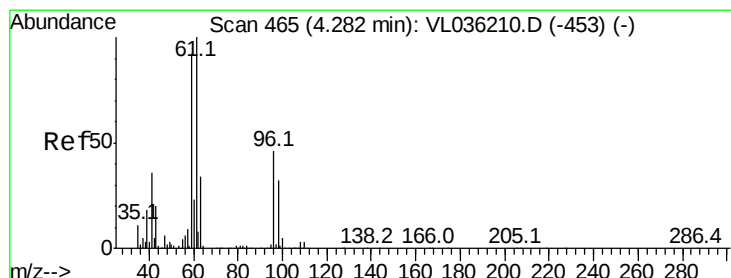
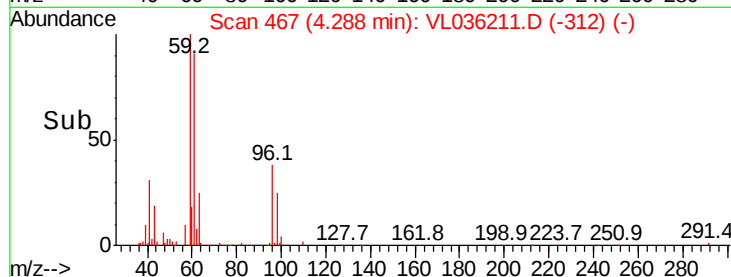
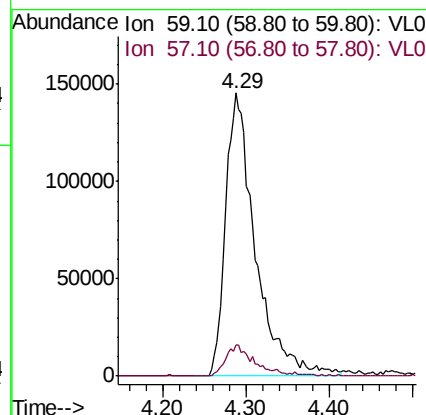
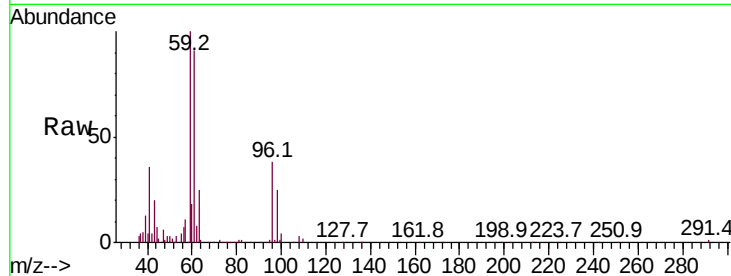
tert-Butyl alcohol
Concen: 2.076 ppbv m
RT: 4.29 min Scan# 467
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.2	13.8

Manual Integrations
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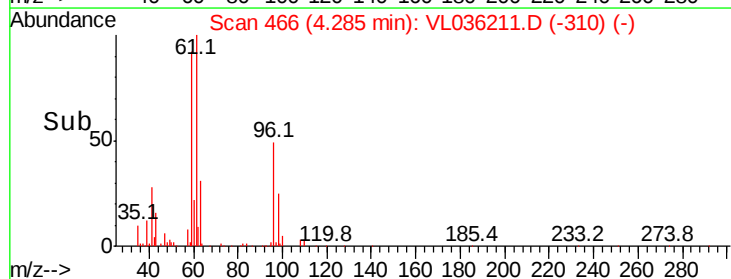
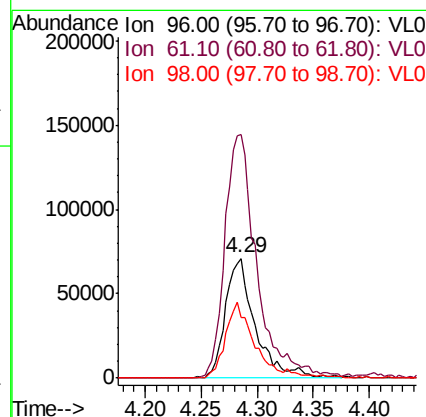
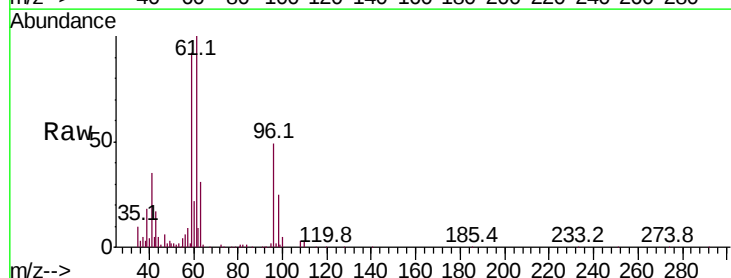
MMDadoda
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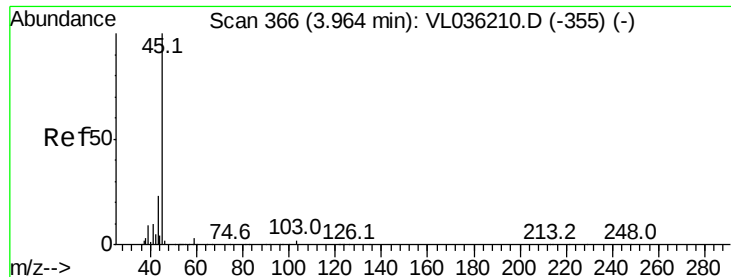


#18

1,1-Dichloroethene
Concen: 2.095 ppbv m
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	203.0	173.4	260.0
98	50.6	54.9	82.3#





#19

Isopropyl Alcohol

Concen: 2.253 ppbv m

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 255972

Ion Ratio Lower Upper

45 100

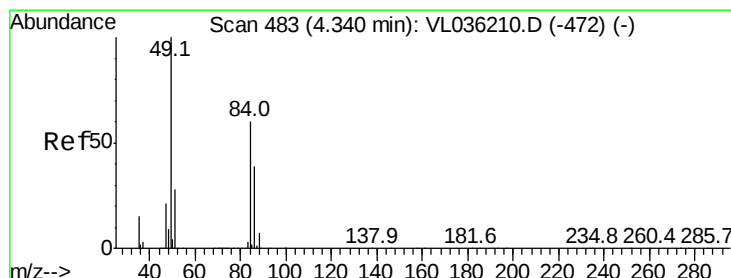
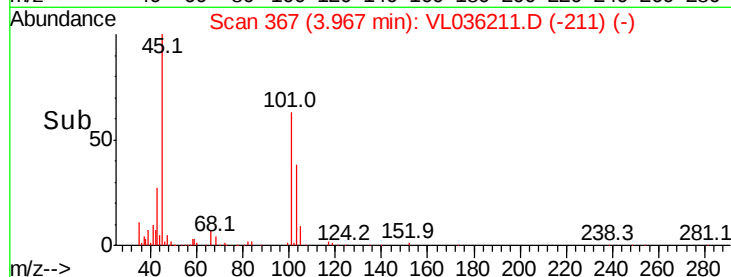
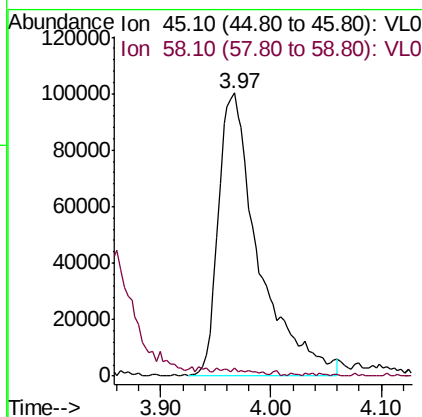
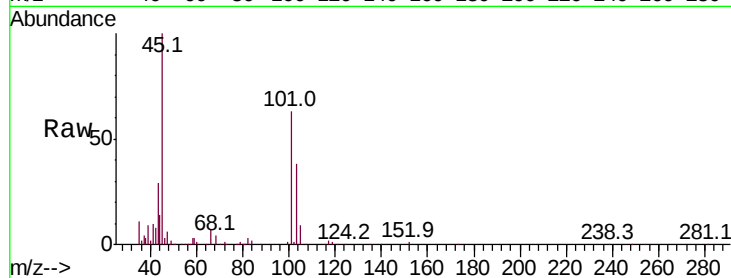
58 0.0 1.9 2.9#

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#20

Methylene Chloride

Concen: 1.716 ppbv m

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Tgt Ion: 84 Resp: 127881

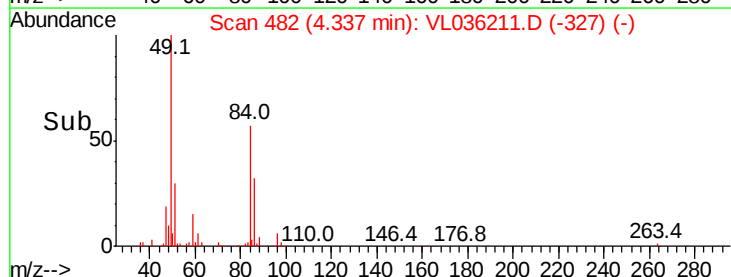
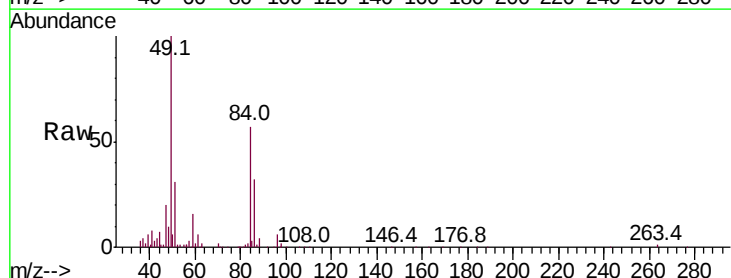
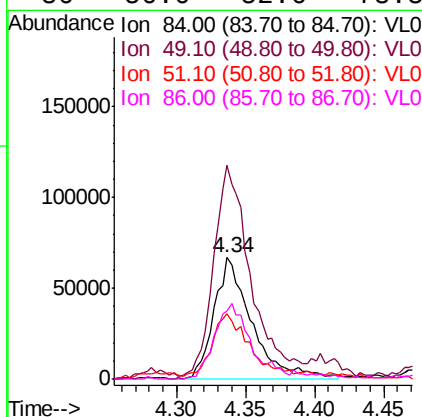
Ion Ratio Lower Upper

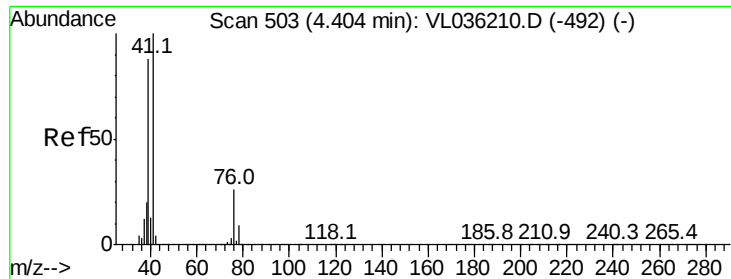
84 100

49 175.8 134.1 201.1

51 53.7 37.4 56.0

86 56.0 52.6 78.8





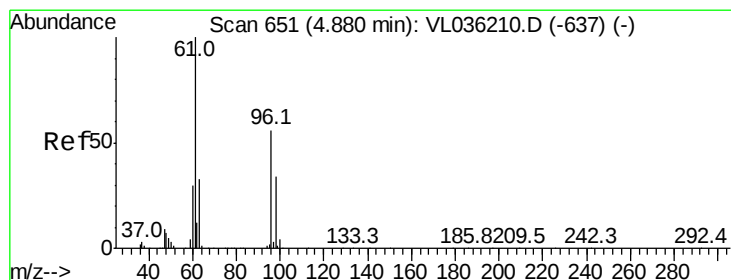
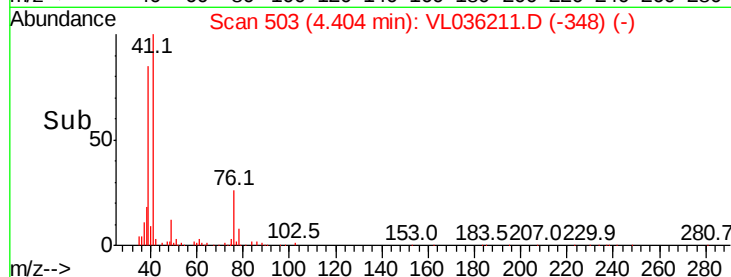
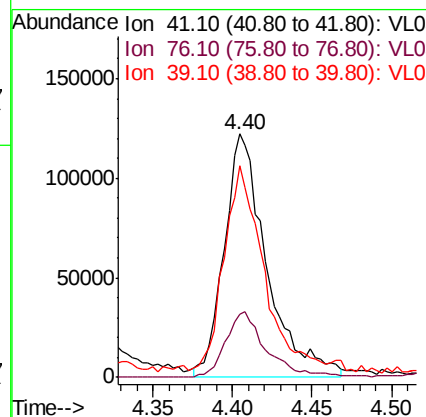
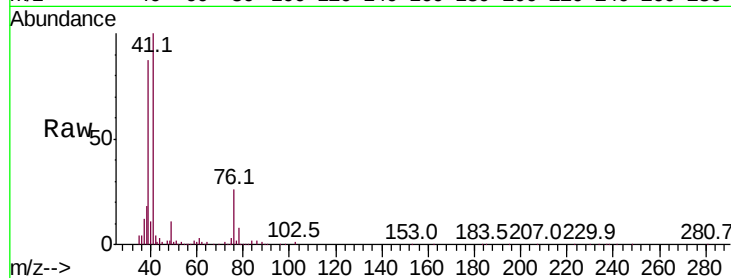
#21
Allvl Chloride
Concen: 1.908 ppbv m
RT: 4.40 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	25.8	20.5	30.7
39	84.6	67.8	101.8

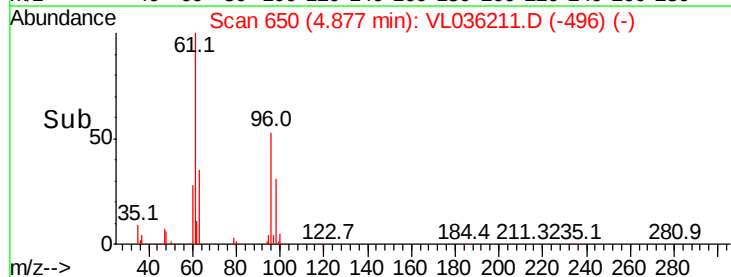
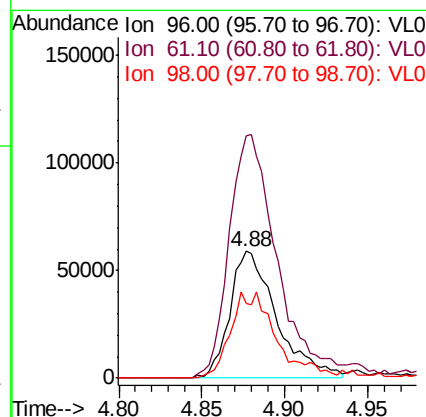
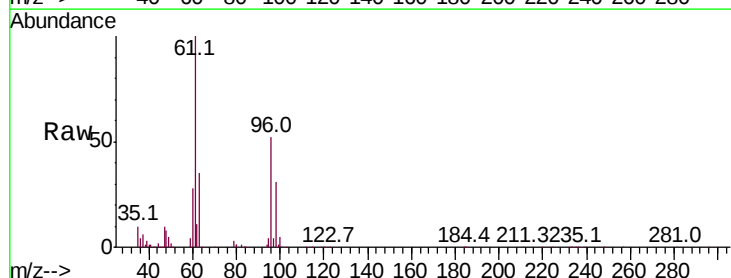
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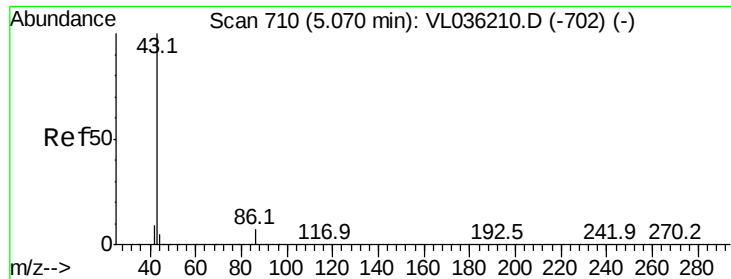
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 1.822 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.5	142.7	214.1
98	58.3	48.7	73.1





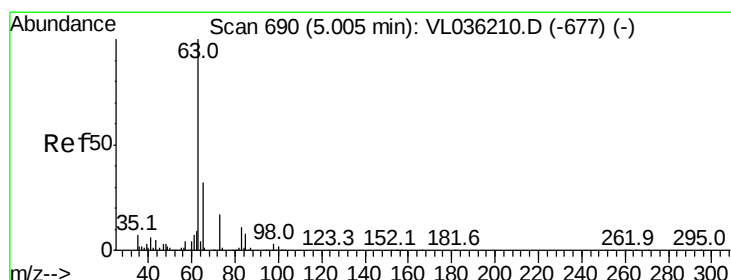
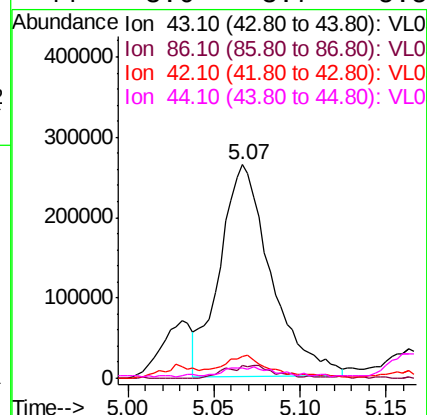
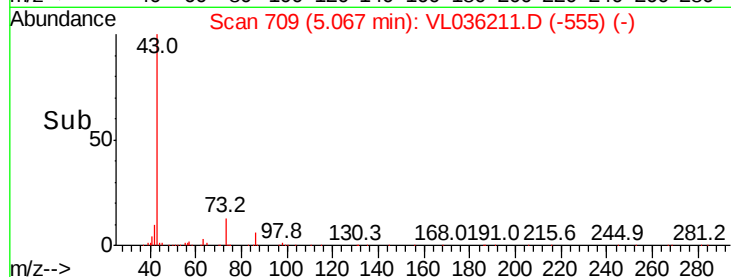
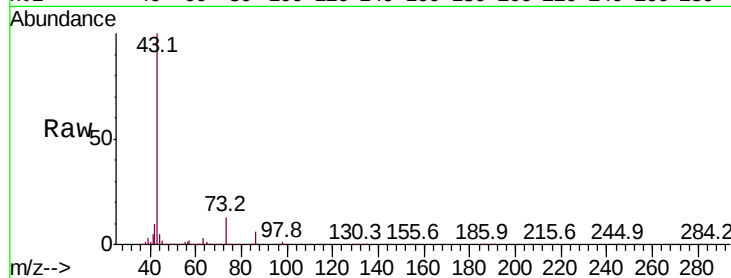
#23
 Vinyl Acetate
 Concen: 2.215 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
43	100	547645		
86	6.1		4.9	7.3
42	10.0		7.8	11.6
44	3.6		3.7	5.5#

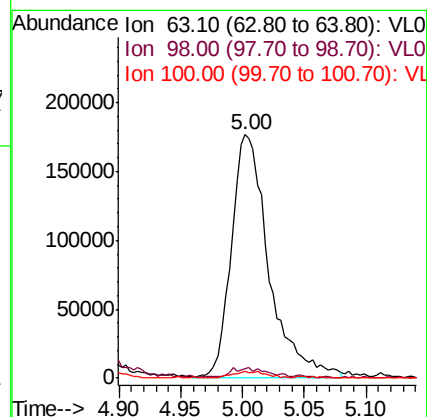
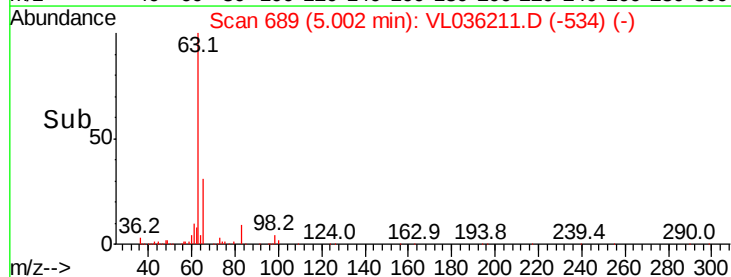
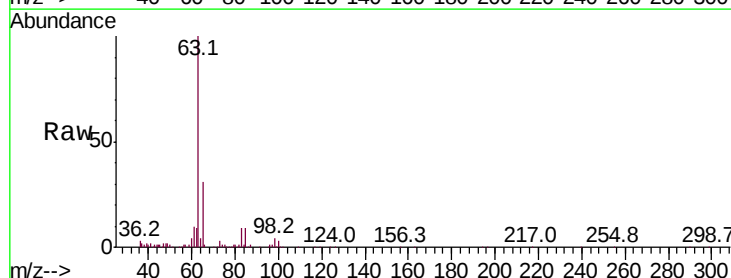
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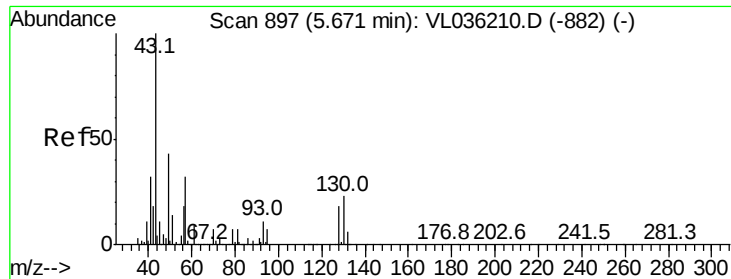
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#24
 1,1-Dichloroethane
 Concen: 2.146 ppbv m
 RT: 5.00 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	373146		
98	3.7		1.7	5.1
100	2.6		1.1	3.1





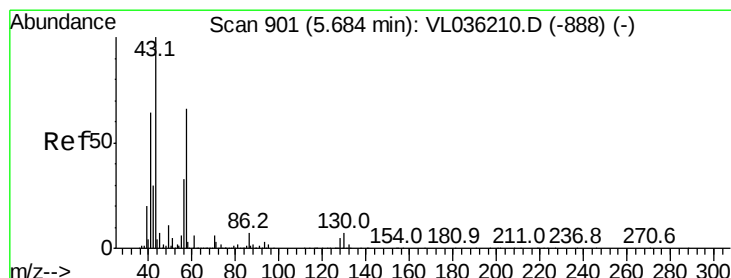
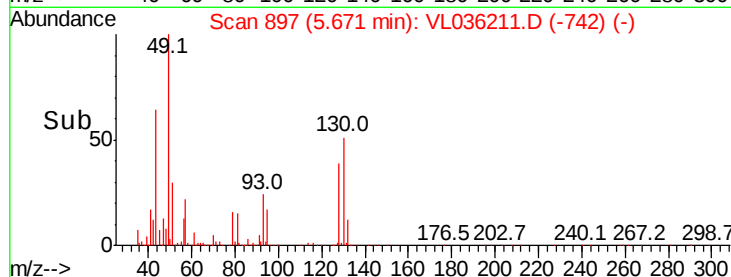
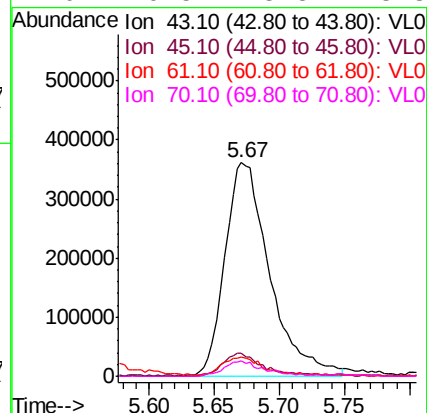
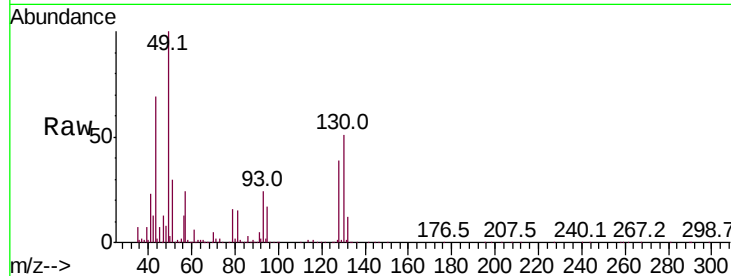
#25
Ethyl Acetate
Concen: 2.323 ppbv m
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.3	12.5
61	8.8	7.4	11.2
70	6.5	5.5	8.3

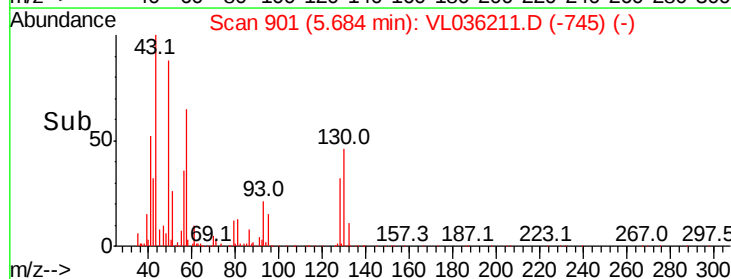
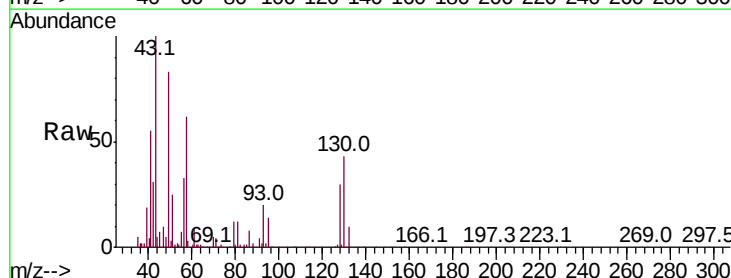
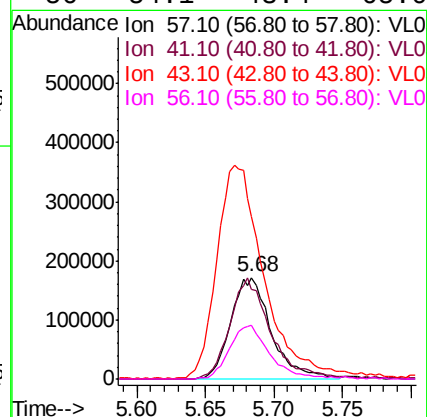
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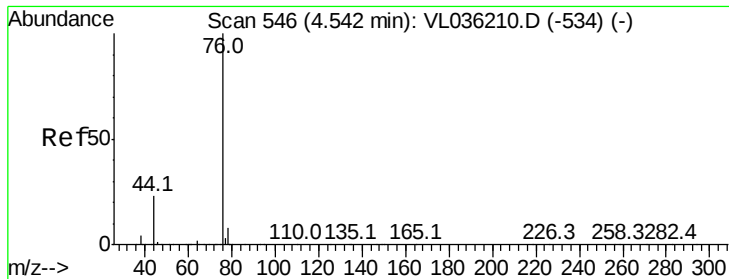
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#26
Hexane
Concen: 2.109 ppbv m
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
57	100		
41	101.9	83.0	124.6
43	0.0	202.4	303.6#
56	54.1	43.4	65.0





#27

Carbon Disulfide

Concen: 1.707 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.01 min

Lab File: VL036211.D

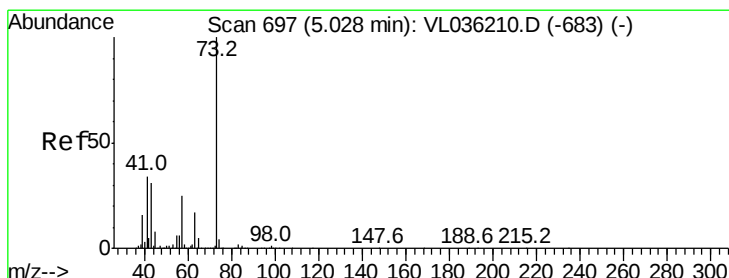
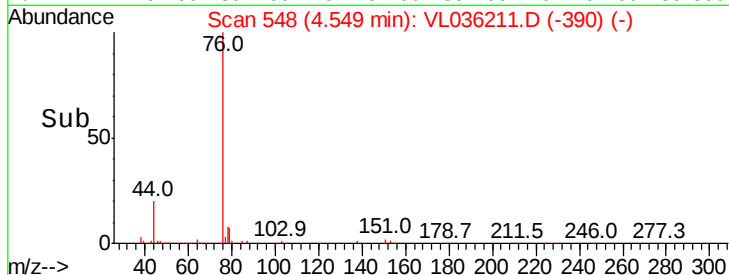
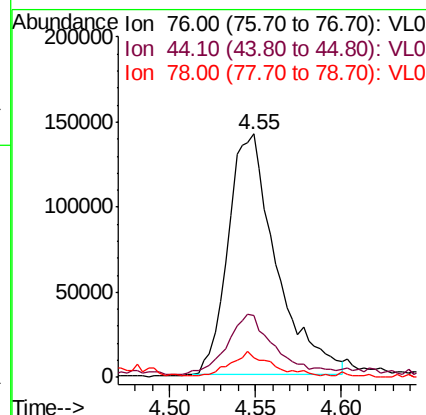
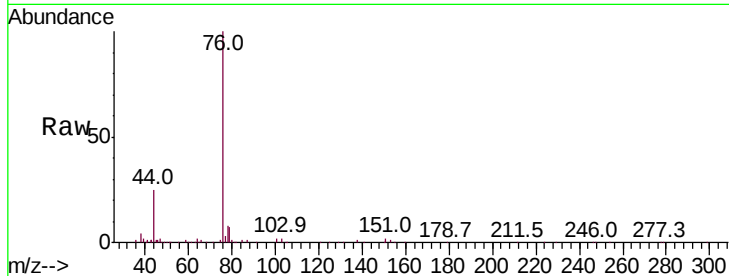
Acq: 13 Jan 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
76	100		
44	22.8	19.0	28.6
78	10.6	8.0	12.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 2.028 ppbv

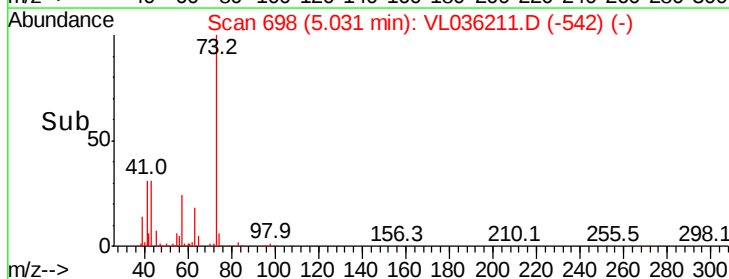
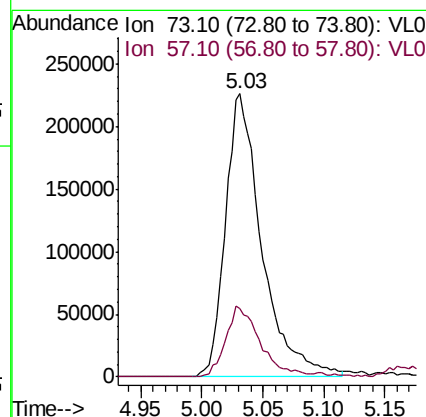
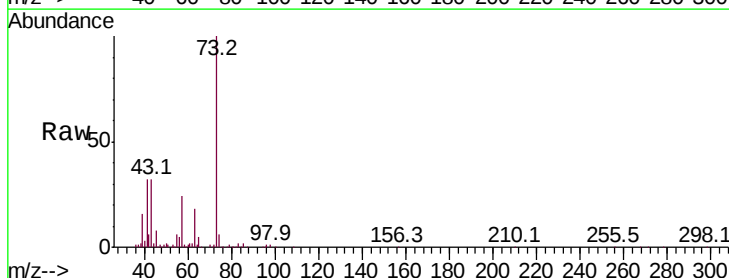
RT: 5.03 min Scan# 698

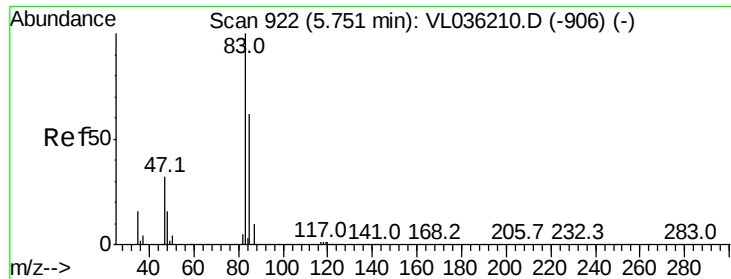
Delta R.T. 0.00 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.6	20.4	30.6





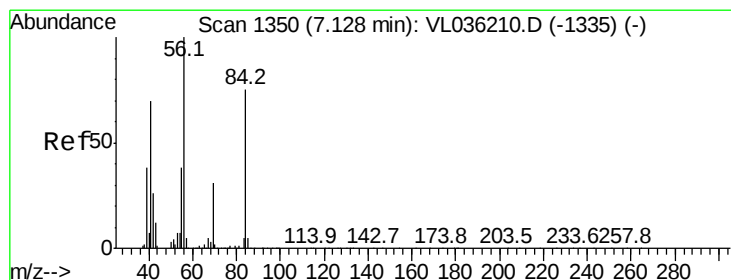
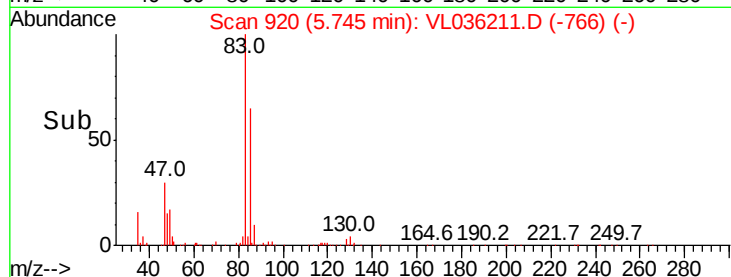
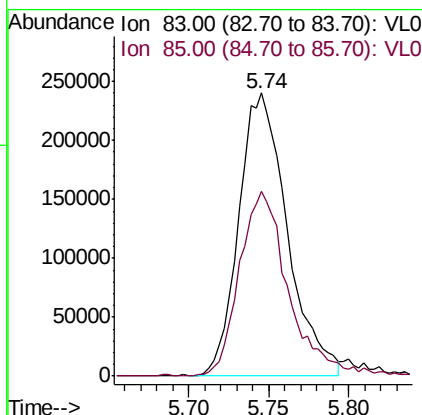
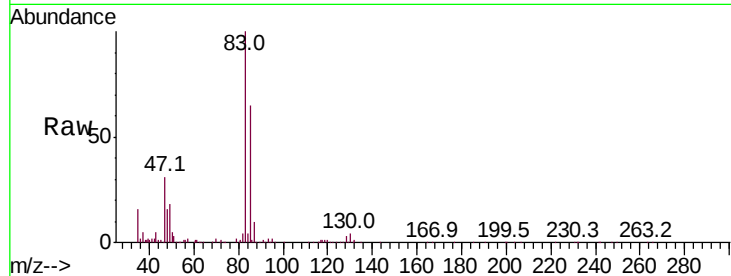
#29
Chloroform
Concen: 2.247 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.01 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
83	100	498305		
85	65.0	49.3	73.9	

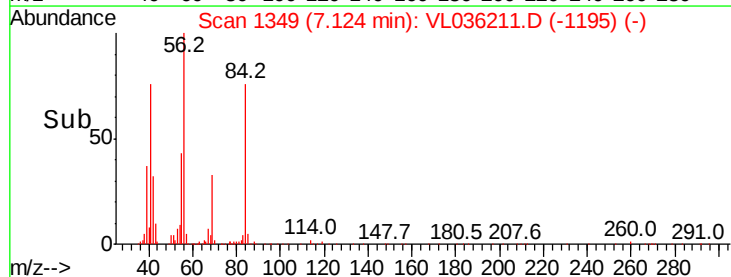
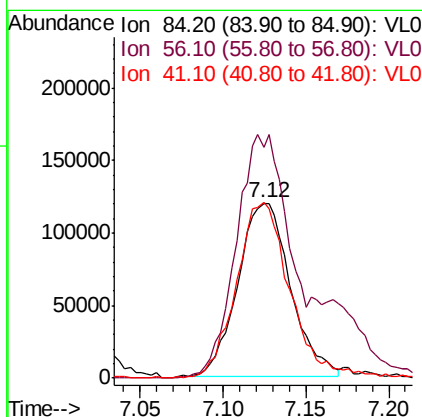
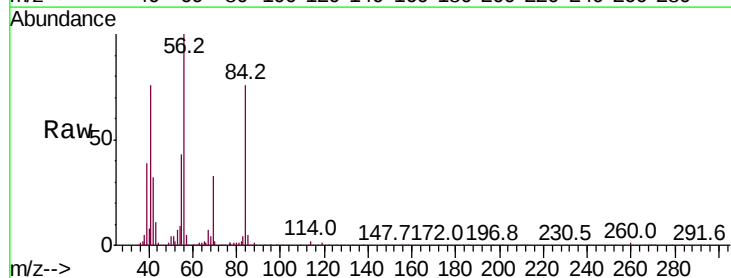
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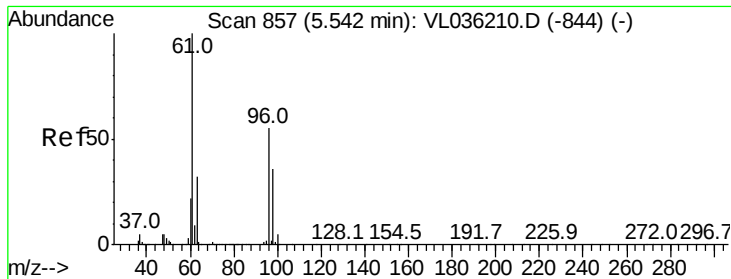
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#30
Cyclohexane
Concen: 2.125 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	265445		
56	184.2	119.4	179.0#	
41	101.9	79.4	119.0	





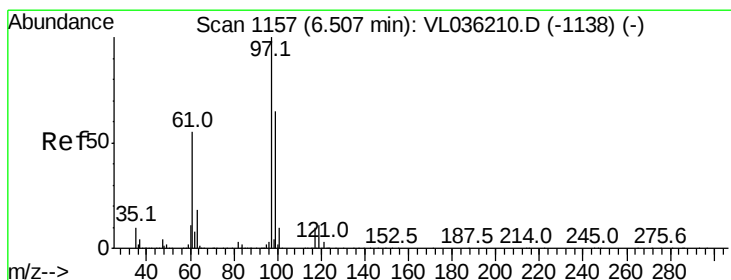
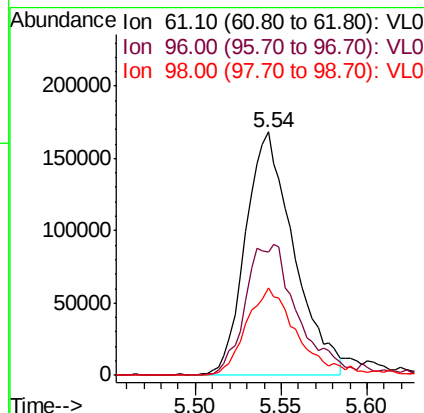
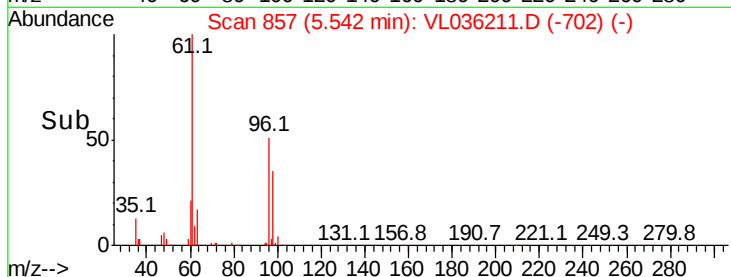
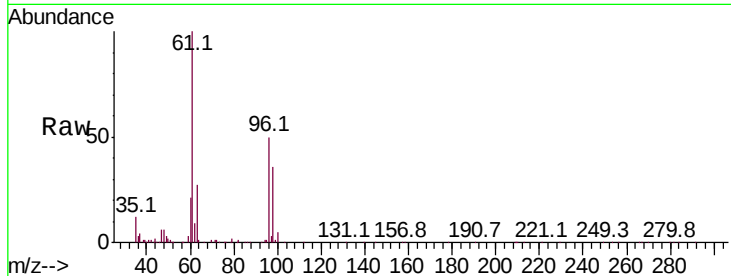
#31
 cis-1,2-Dichloroethene
 Concen: 2.125 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
61	100		
96	50.5	44.1	66.1
98	35.8	28.6	42.8

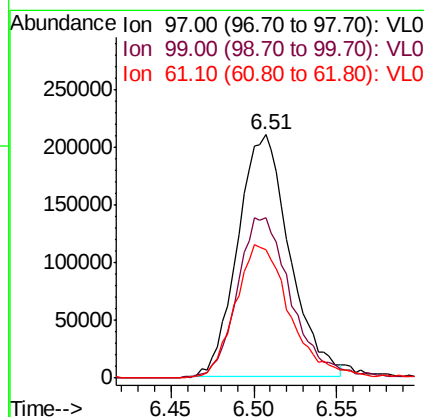
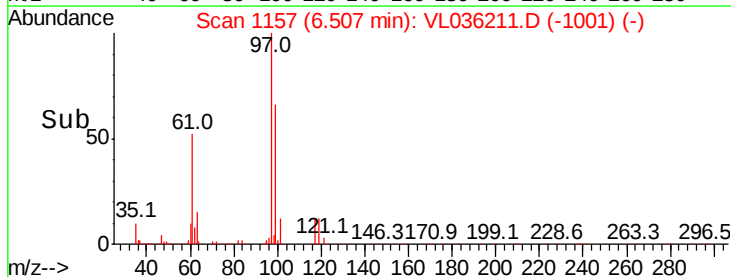
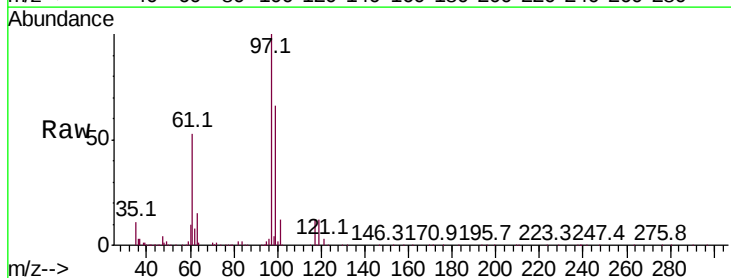
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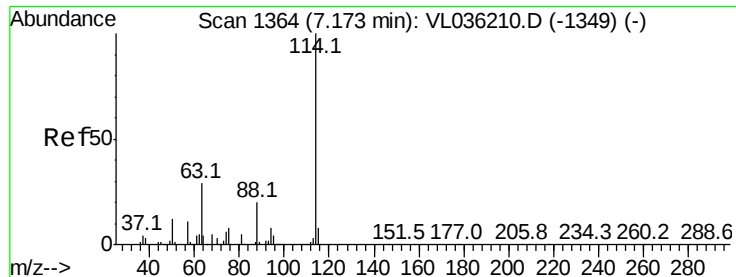
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#32
 1,1,1-Trichloroethane
 Concen: 1.992 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	70.4	52.0	78.0
61	59.3	43.6	65.4





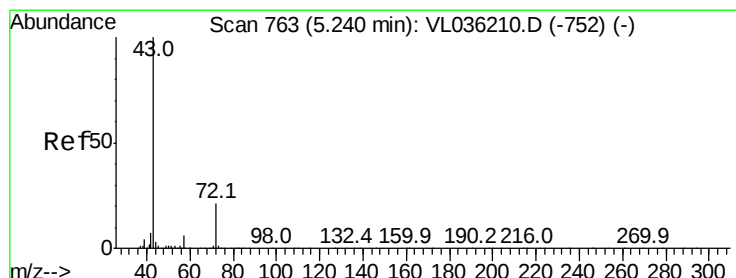
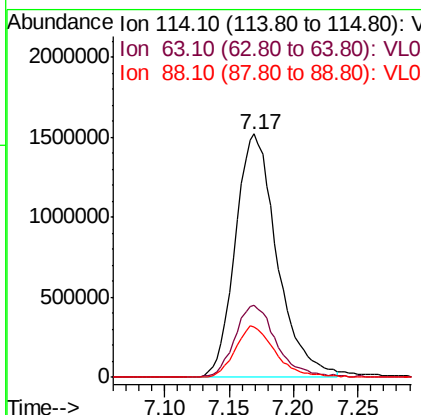
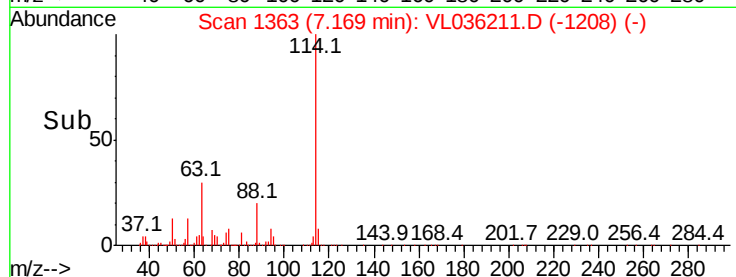
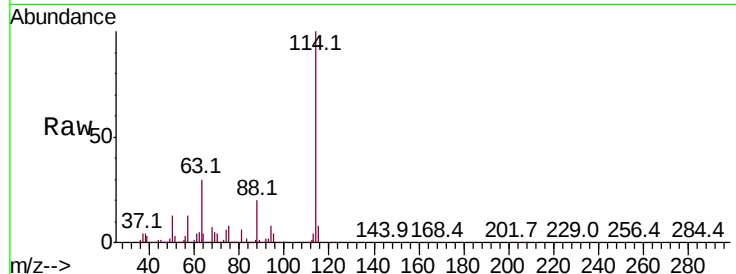
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.0	24.7	37.1
88	20.5	16.6	24.8

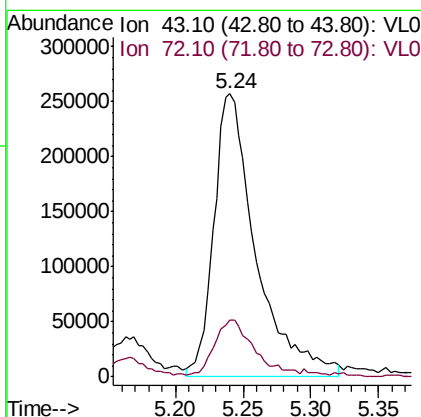
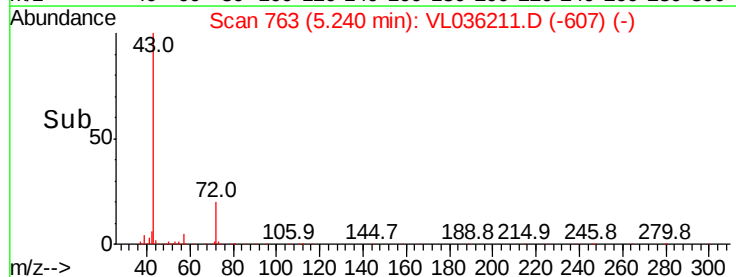
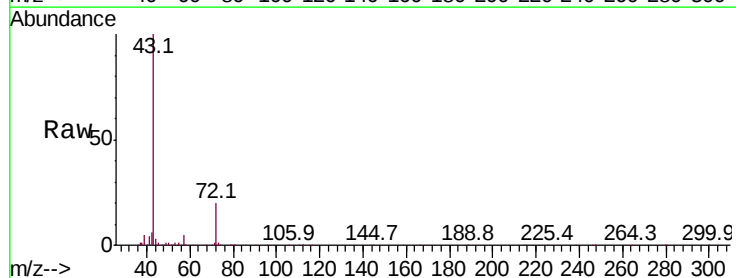
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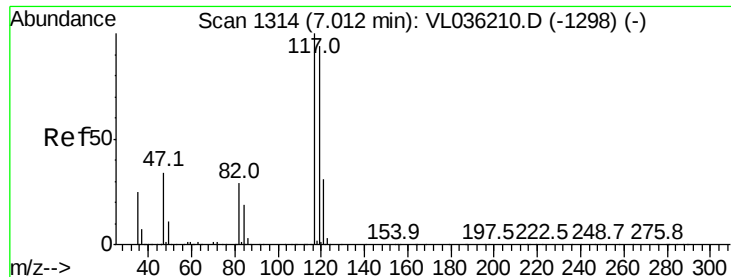
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#34
 2-Butanone
 Concen: 2.424 ppbv m
 RT: 5.24 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.9	16.1	24.1





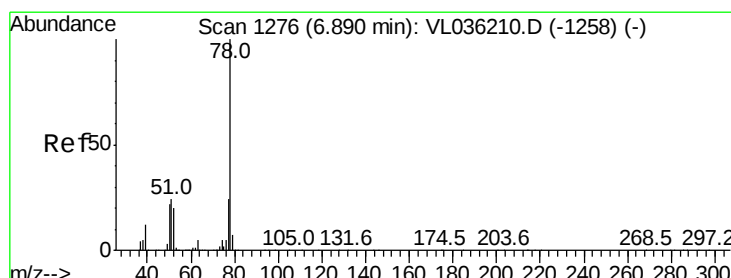
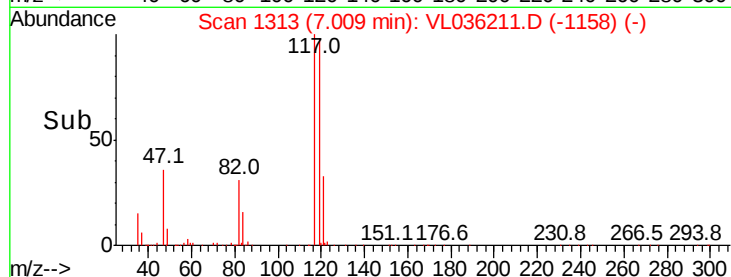
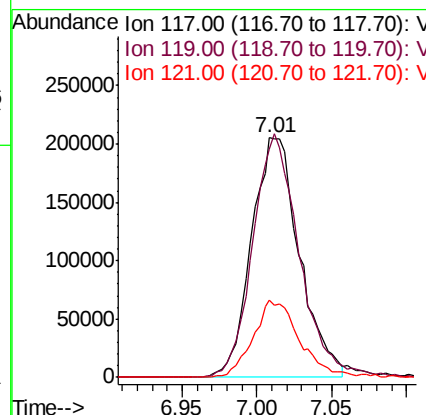
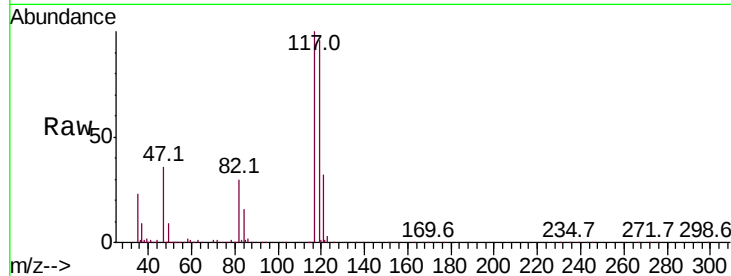
#35
Carbon Tetrachloride
Concen: 2.288 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.6	74.9	112.3
121	32.1	25.0	37.6

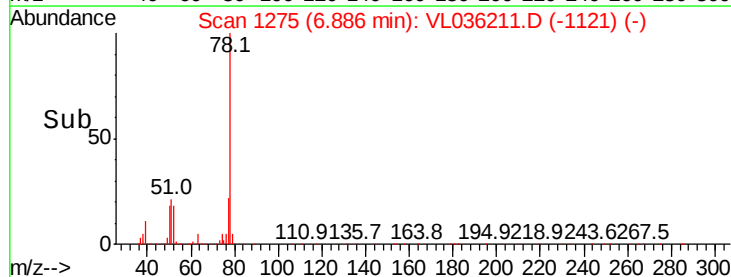
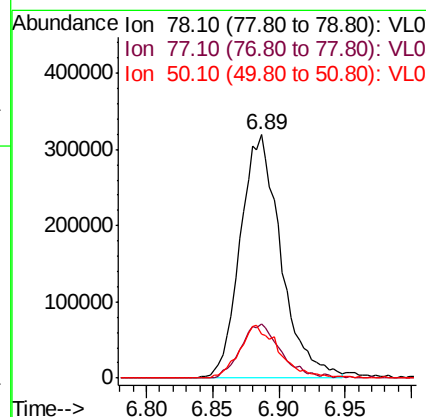
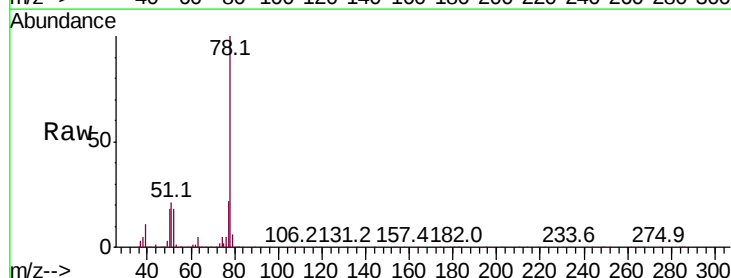
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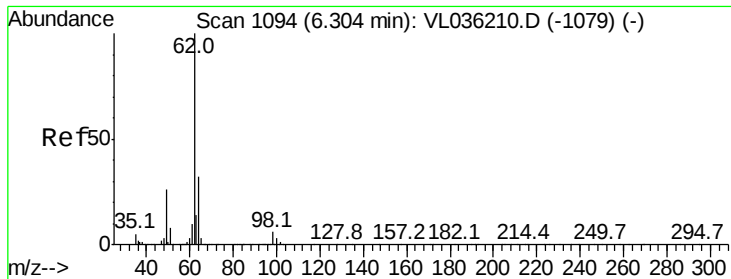
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#36
Benzene
Concen: 2.335 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.4	29.0
50	18.1	17.4	26.2





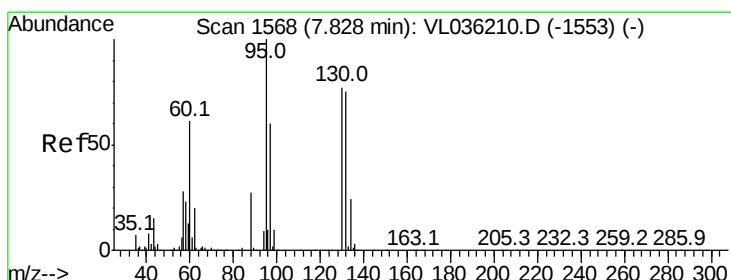
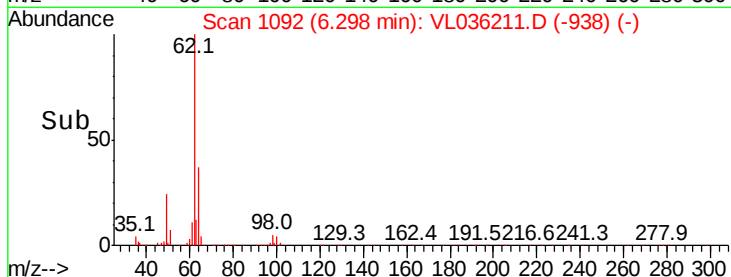
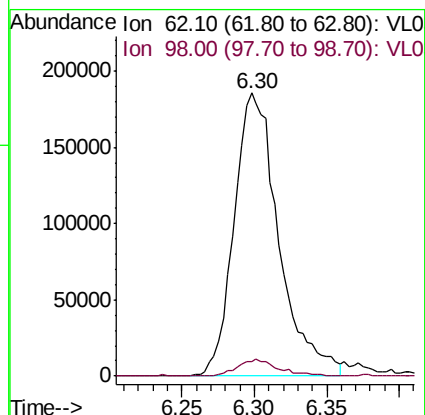
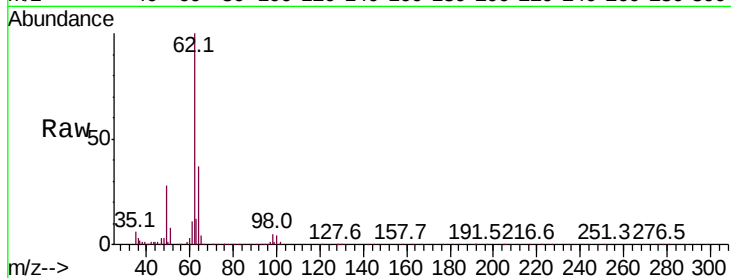
#37
 1,2-Dichloroethane
 Concen: 2.338 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	397837		
98	5.7	4.4	6.6	

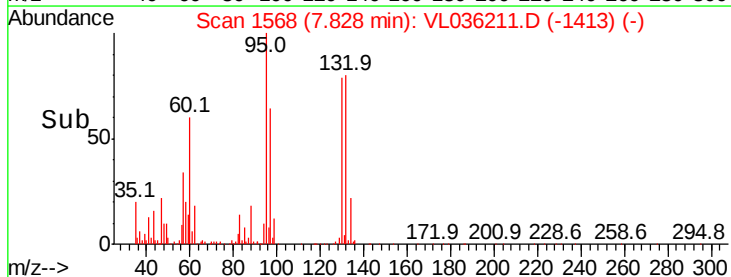
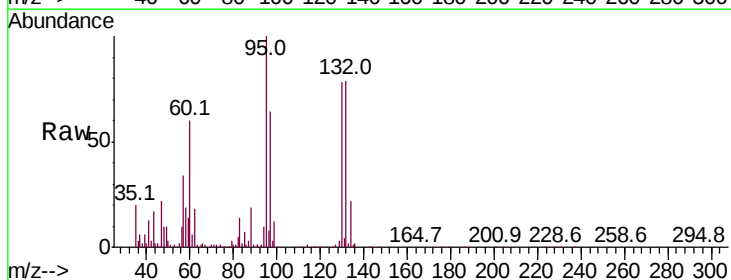
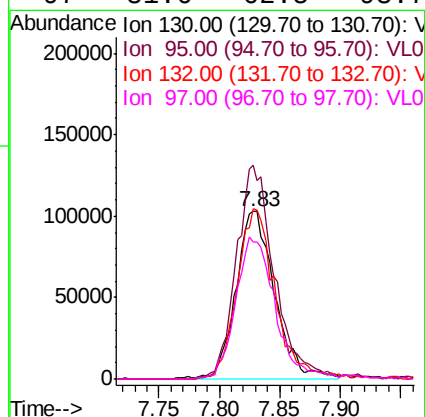
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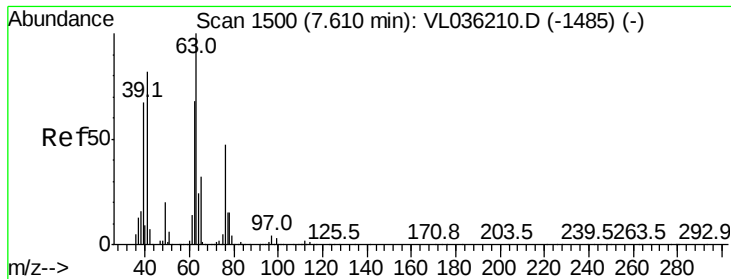
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#38
 Trichloroethene
 Concen: 2.101 ppbv m
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	226566		
95	127.4	103.9	155.9	
132	101.2	77.4	116.2	
97	81.6	62.5	93.7	





#39

1,2-Dichloropropane

Concen: 2.319 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

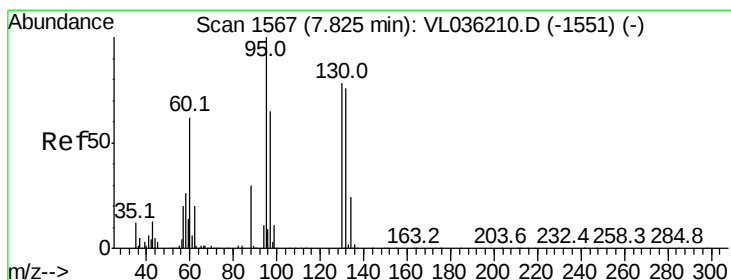
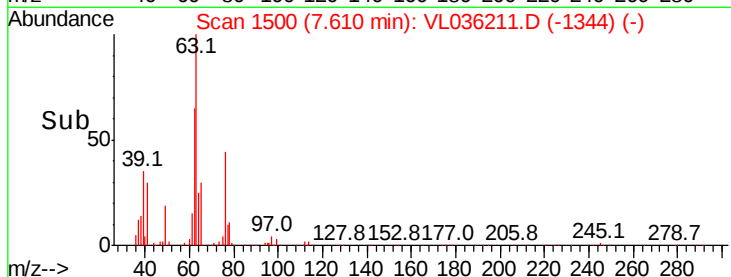
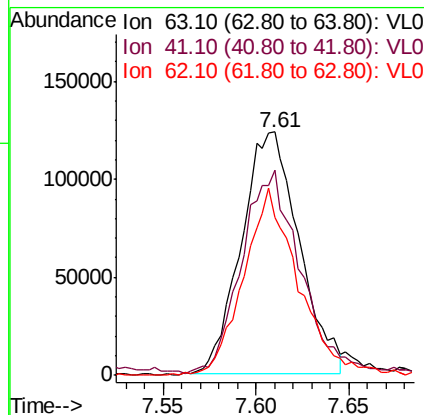
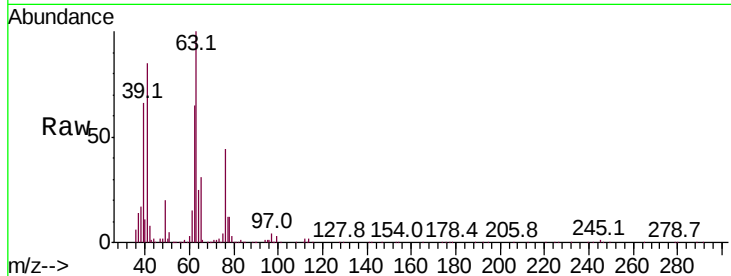
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp Lower	Upper
63	100		
41	83.0	66.1	99.1
62	64.3	54.8	82.2

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#40

1,4-Dioxane

Concen: 2.677 ppbv m

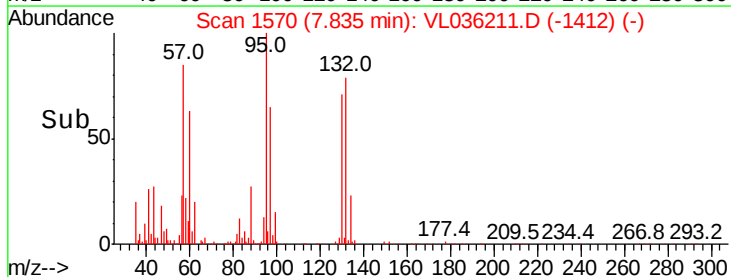
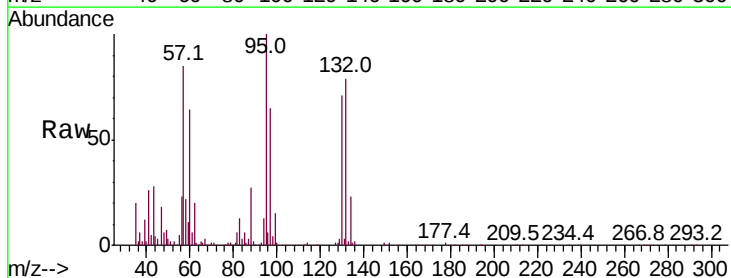
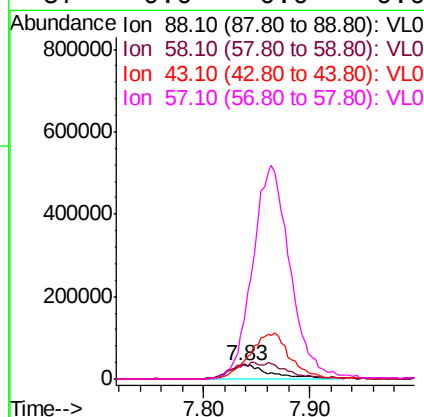
RT: 7.83 min Scan# 1570

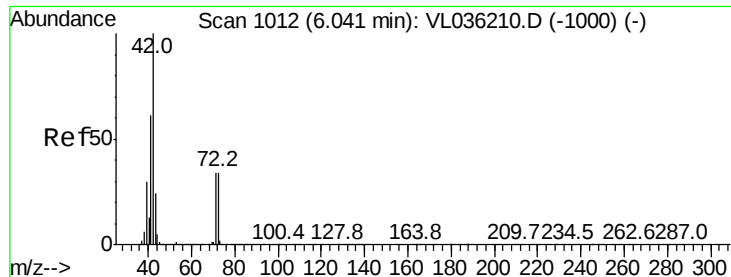
Delta R.T. 0.01 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Resp Lower	Upper
88	100		
58	0.0	123.0	184.6#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





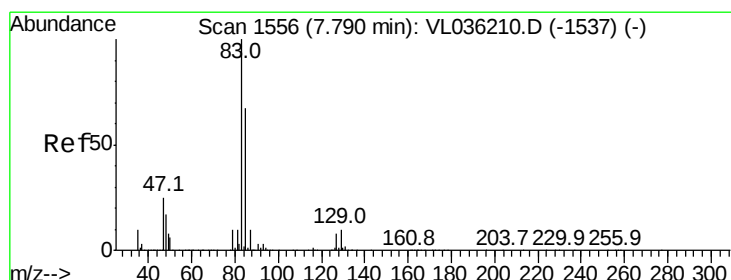
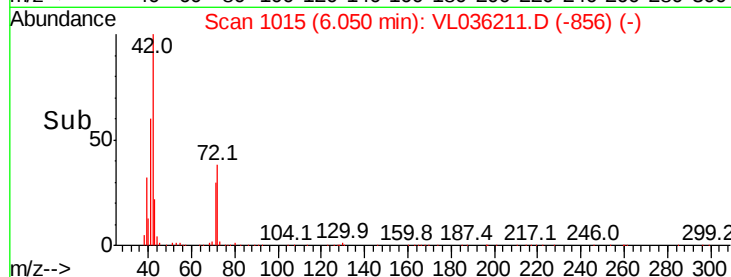
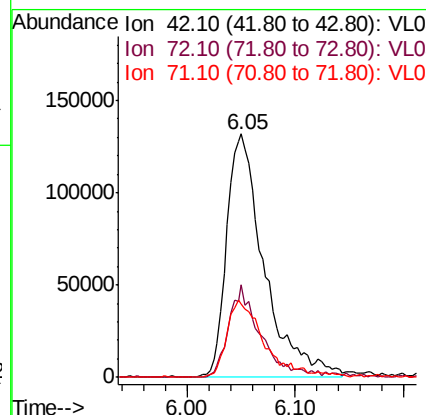
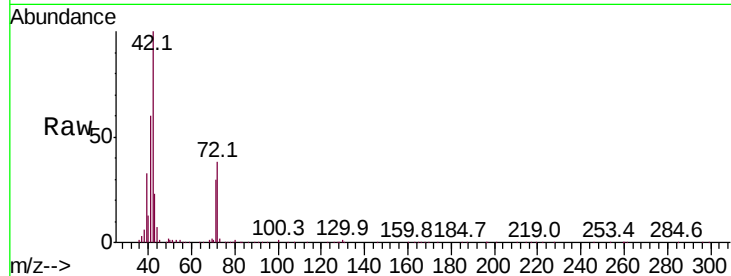
#41
Tetrahydrofuran
Concen: 2.339 ppbv m
RT: 6.05 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.3	29.5	44.3
71	32.7	29.1	43.7

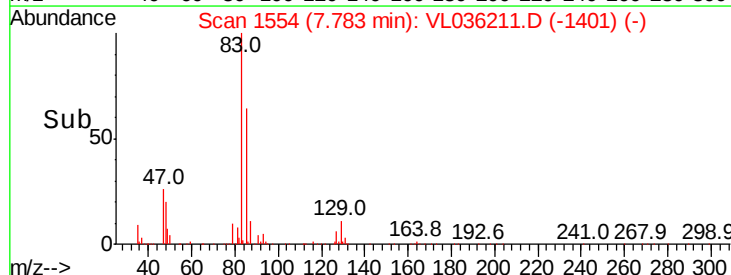
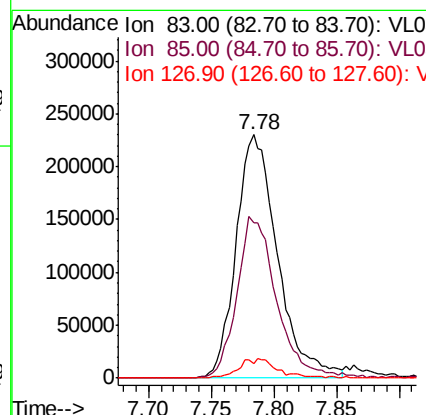
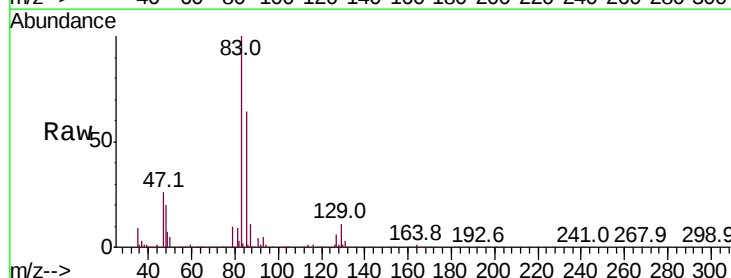
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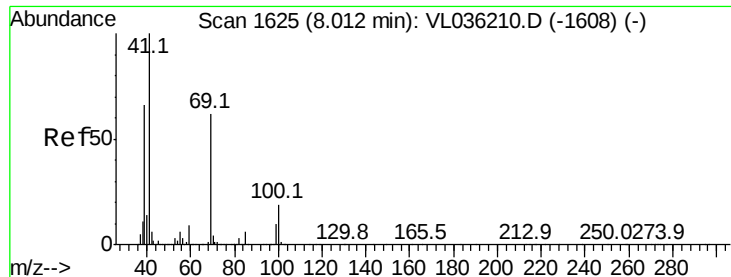
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#42
Bromodichloromethane
Concen: 2.353 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.4	80.2
127	6.2	6.2	9.2





#43

Methvl Methacrilate

Concen: 2.334 ppbv

RT: 8.01 min Scan# 1625

Delta R.T. -0.00 min

Lab File: VL036211.D

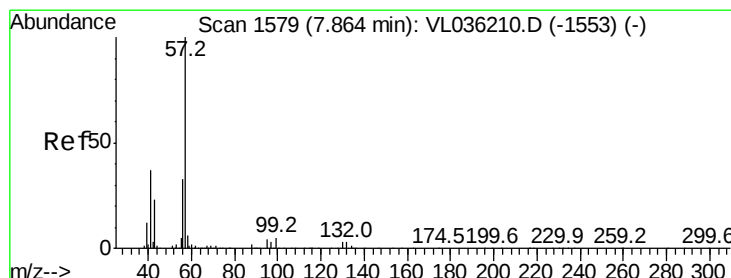
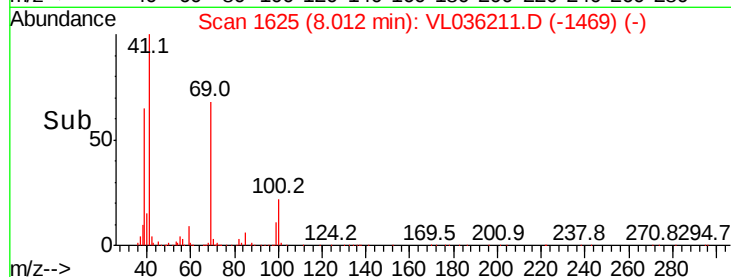
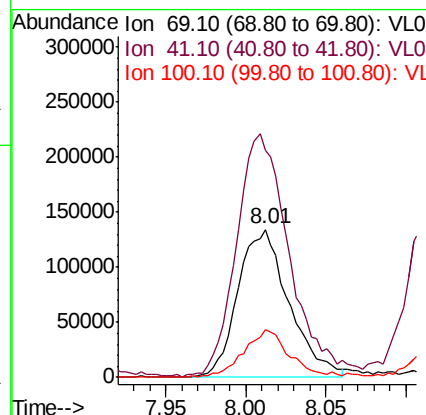
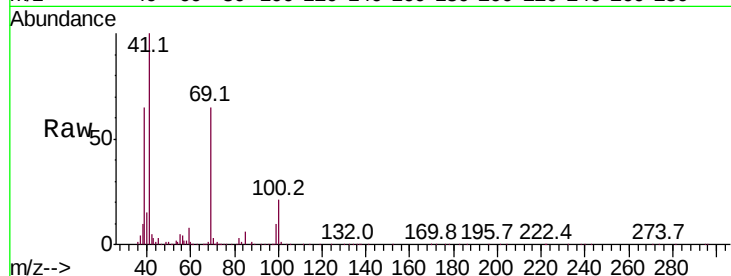
Acq: 13 Jan 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	170.1	133.4	200.2
100	29.9	24.3	36.5

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 2.403 ppbv

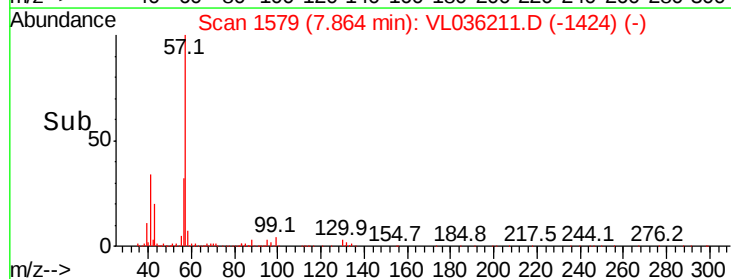
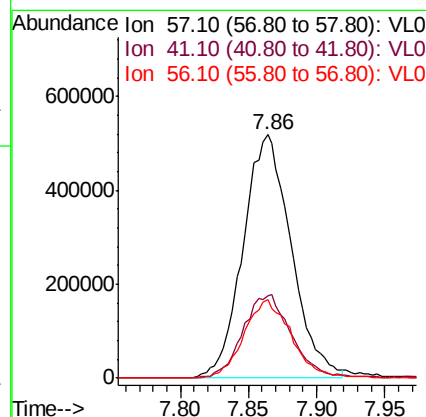
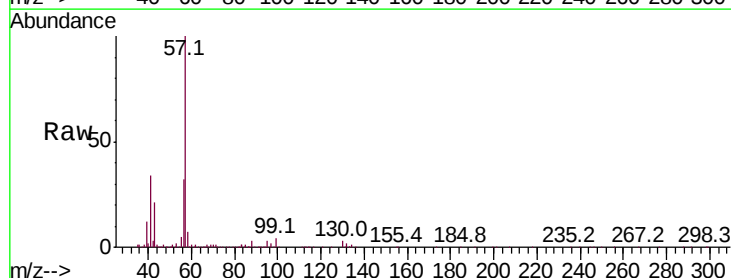
RT: 7.86 min Scan# 1579

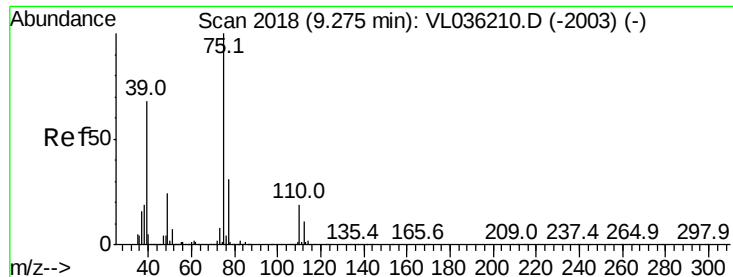
Delta R.T. -0.00 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.2	28.5	42.7
56	32.1	25.5	38.3





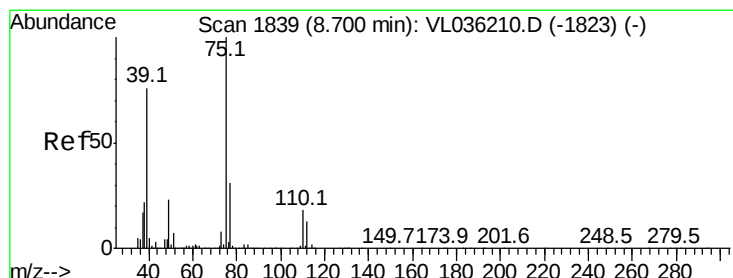
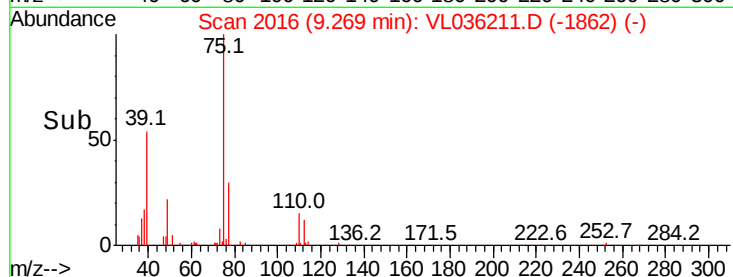
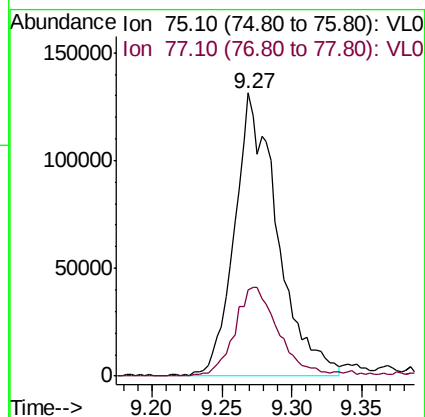
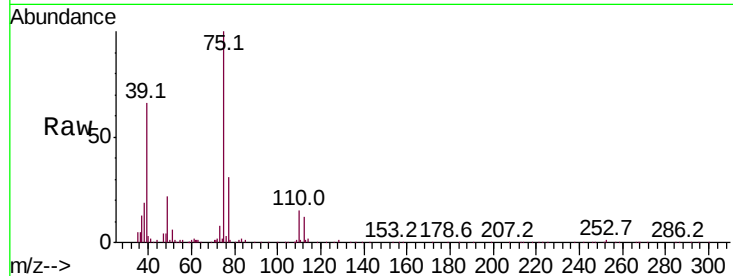
#45
t-1,3-Dichloropropene
Concen: 2.193 ppbv m
RT: 9.27 min Scan# 2016
Delta R.T. -0.01 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 75 Resp: 280979
Ion Ratio Lower Upper
75 100
77 30.6 24.7 37.1

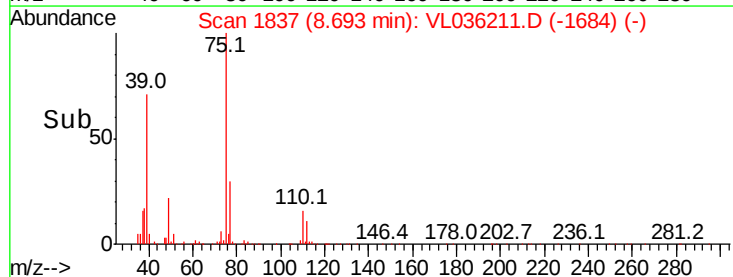
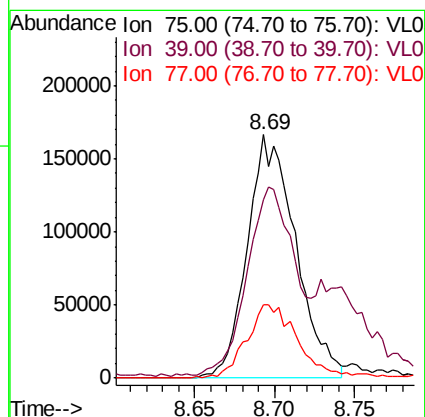
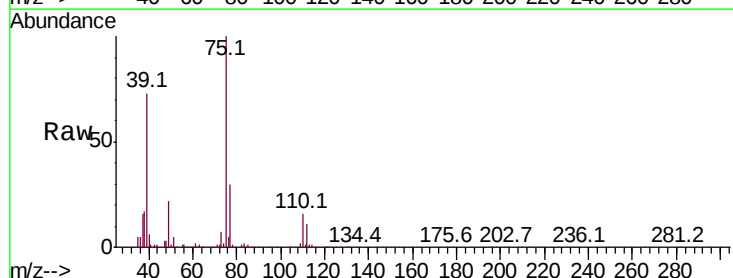
Manual Integrations
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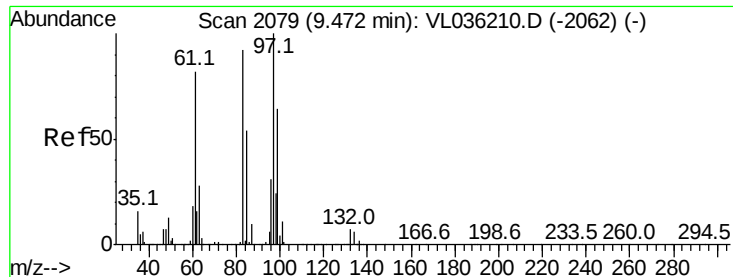
MMDadoda
1/19/2021 4:35:01 PM



#46
cis-1,3-Dichloropropene
Concen: 2.134 ppbv m
RT: 8.69 min Scan# 1837
Delta R.T. -0.01 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Tgt Ion: 75 Resp: 345140
Ion Ratio Lower Upper
75 100
39 73.3 61.2 91.8
77 30.1 24.6 37.0





#47

1,1,2-Trichloroethane

Concen: 2.422 ppbv

RT: 9.47 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Instrument :

MSVOA_L

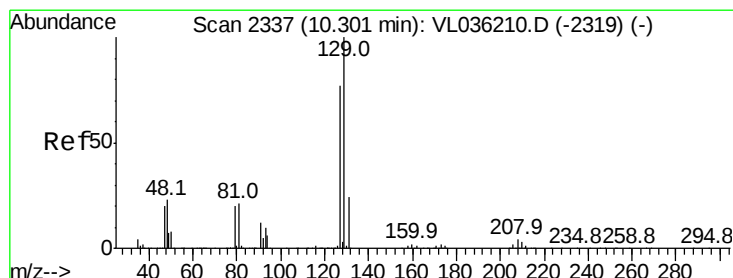
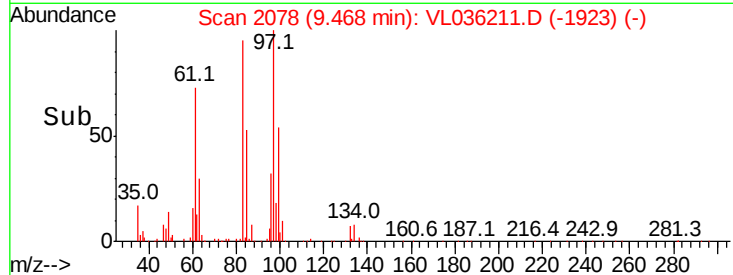
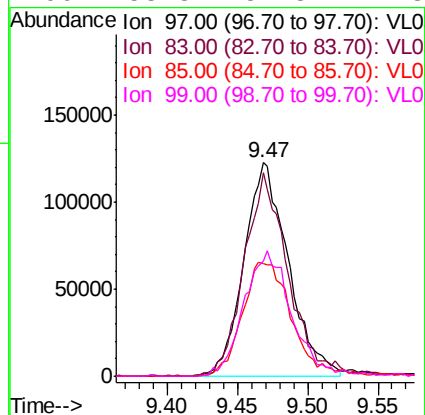
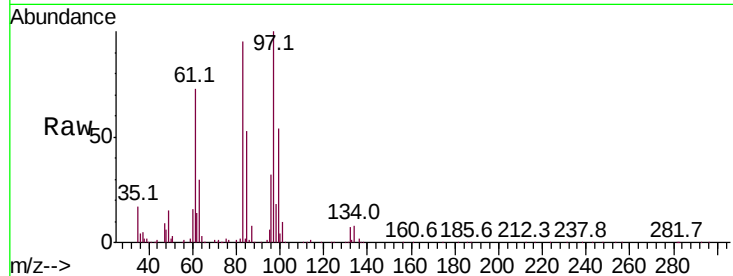
ClientSampleId :

VSTDIC002

Tot Ion	Ratio	Lower	Upper
97	100		
83	95.5	73.3	109.9
85	52.7	43.2	64.8
99	53.8	51.5	77.3

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#48

Dibromochloromethane

Concen: 2.370 ppbv

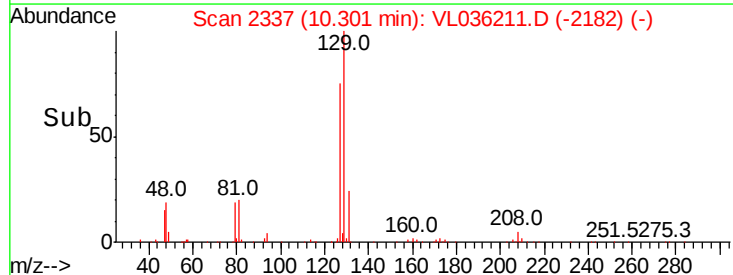
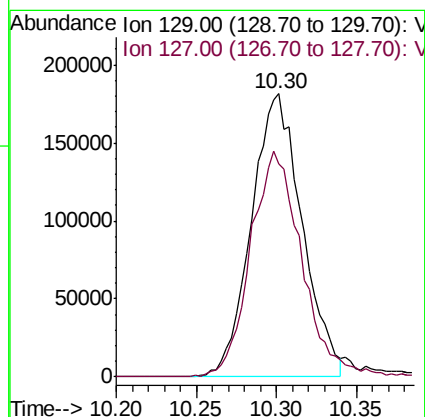
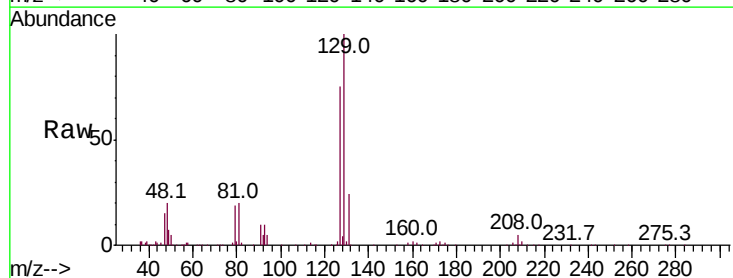
RT: 10.30 min Scan# 2337

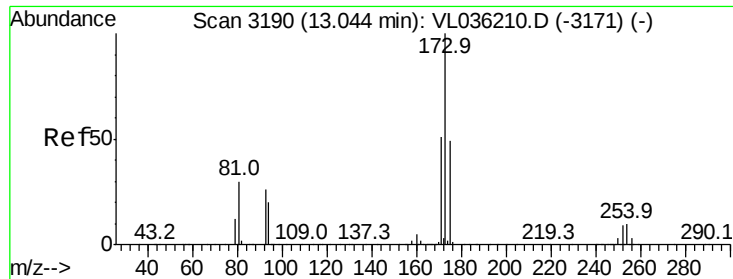
Delta R.T. -0.00 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.6	39.6	118.8





#49

Bromoform

Concen: 2.450 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. -0.01 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Instrument :

MSVOA_L

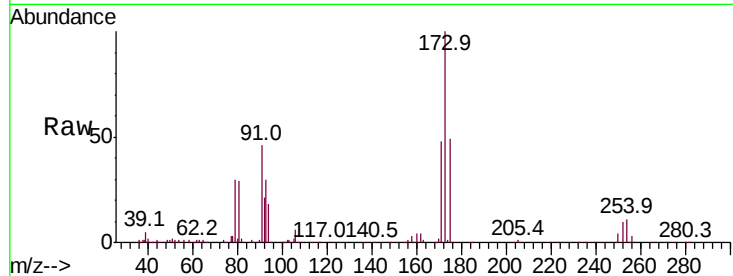
ClientSampleId :

VSTDIC002

Tot Ion:	173	Resp:	323376
Ion Ratio	Lower	Upper	
173	100		
175	50.9	40.7	61.1
171	56.0	43.0	64.6

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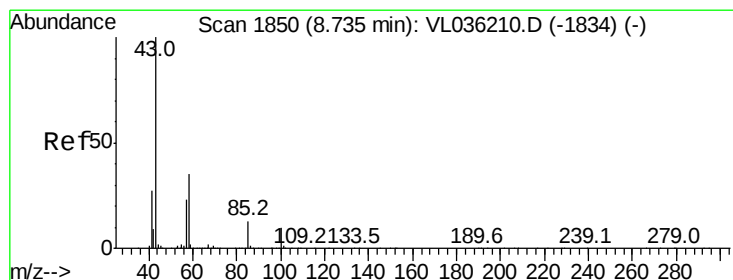
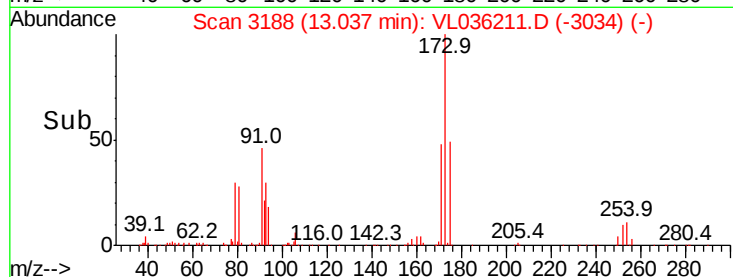
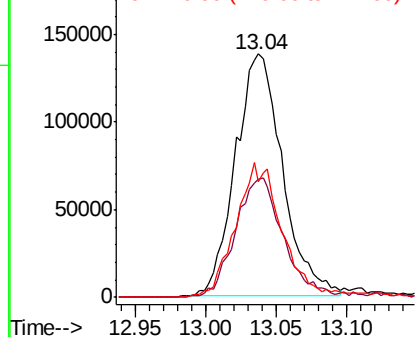
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 2.426 ppbv m

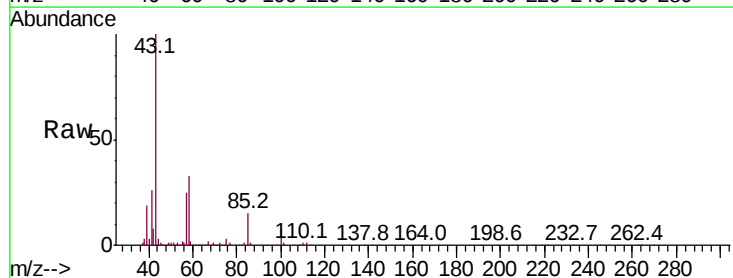
RT: 8.74 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VL036211.D

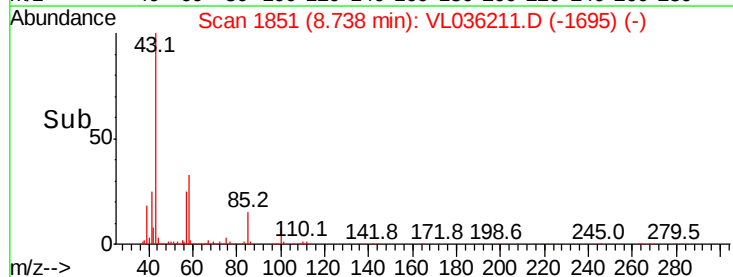
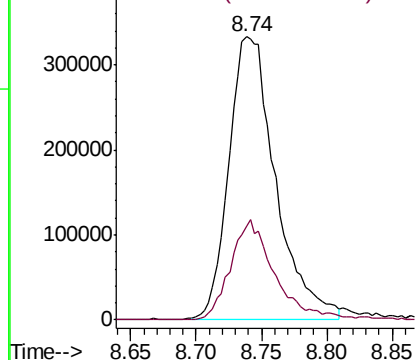
Acq: 13 Jan 2021 3:16

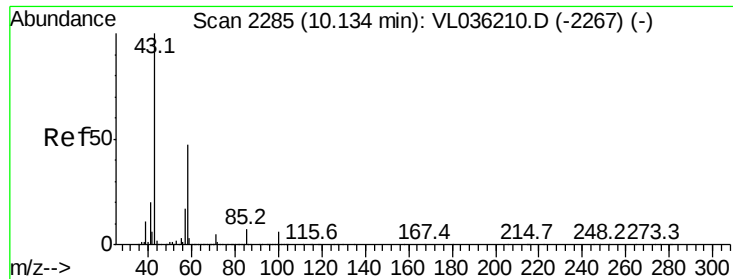
Tgt Ion:	43	Resp:	830853
Ion Ratio	Lower	Upper	
43	100		
58	34.0	27.6	41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





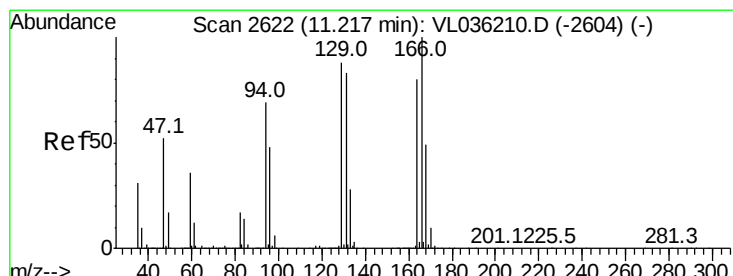
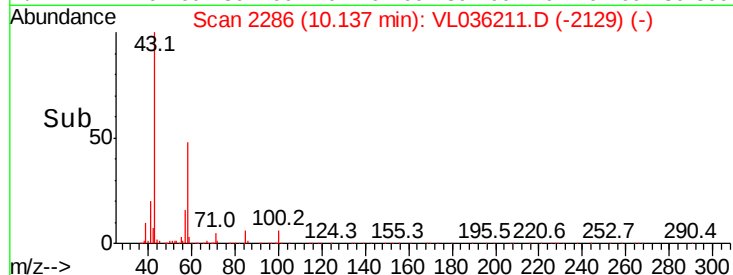
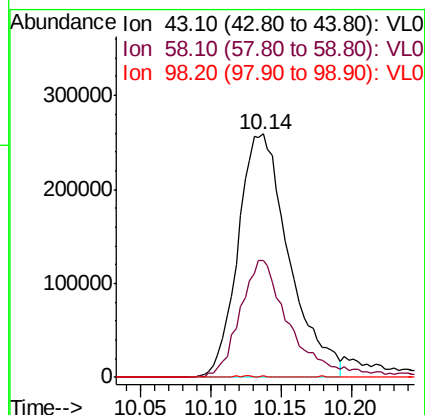
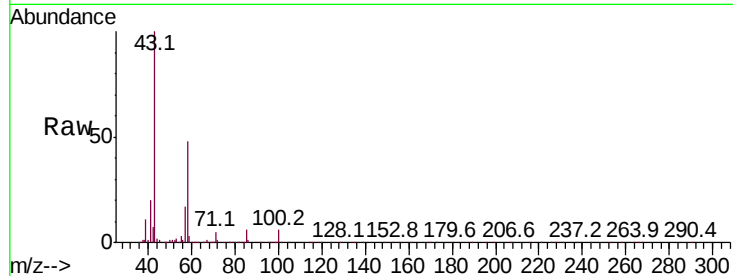
#51
2-Hexanone
Concen: 2.398 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.7	37.4	56.0
98	0.2	0.2	0.2

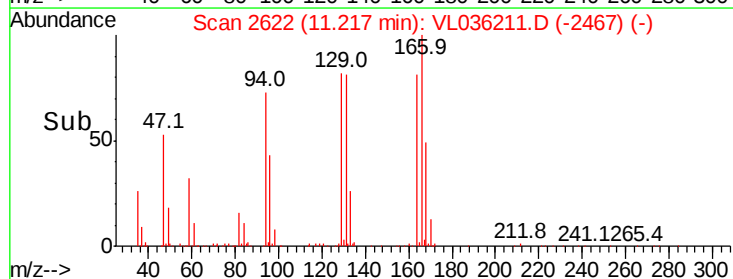
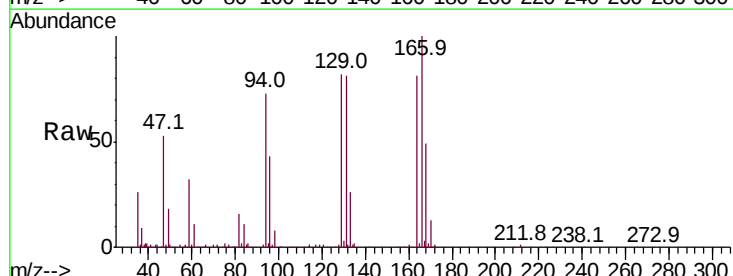
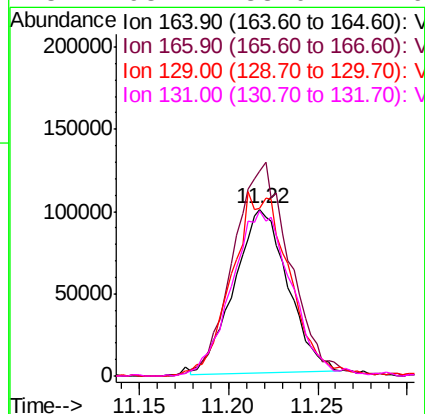
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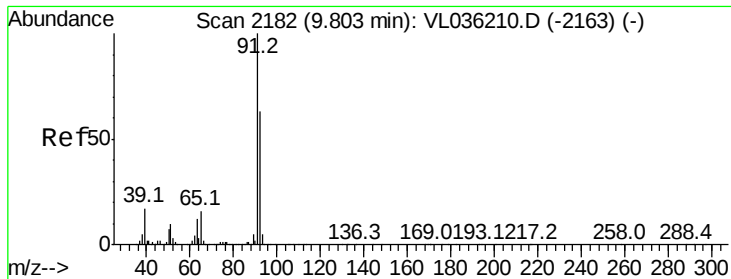
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1/19/2021 4:35:01 PM



#52
Tetrachloroethene
Concen: 2.003 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	99.9	149.9
129	100.7	88.2	132.4
131	98.4	83.0	124.6





#53

Toluene

Concen: 2.355 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 771330

Ion Ratio Lower Upper

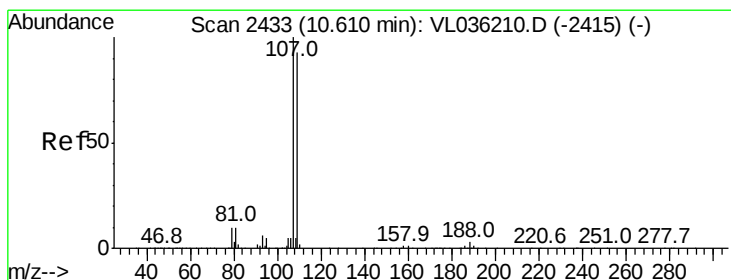
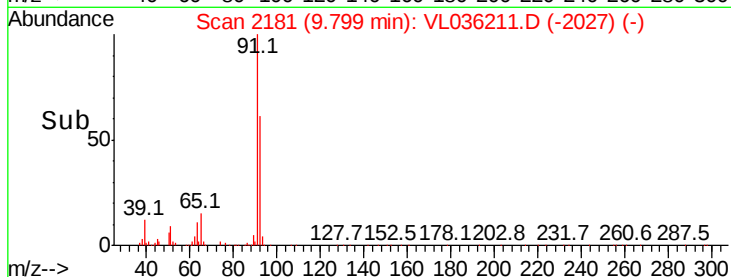
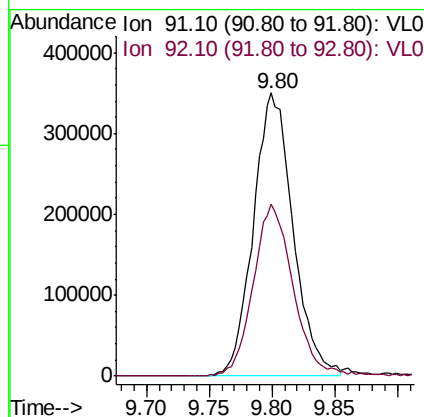
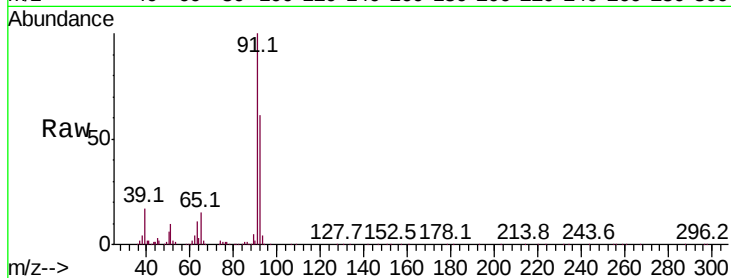
91 100

92 61.2 48.5 72.7

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#54

1,2-Dibromoethane

Concen: 2.330 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. -0.00 min

Lab File: VL036211.D

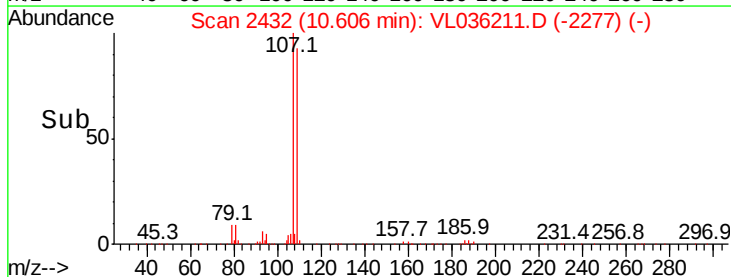
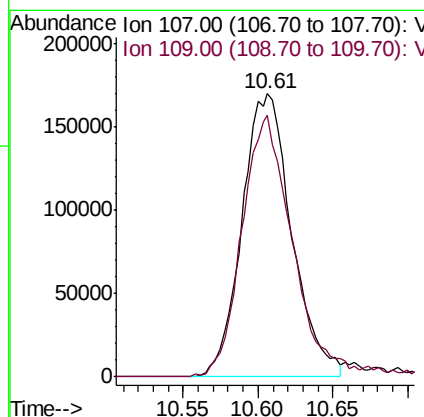
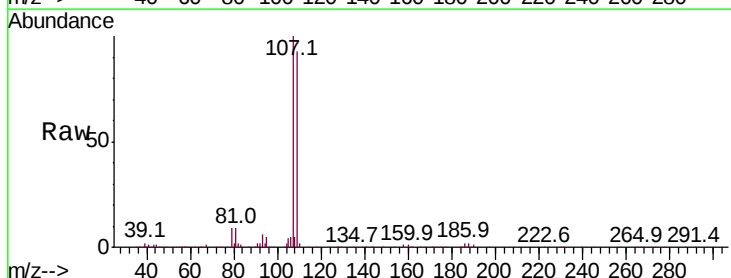
Acq: 13 Jan 2021 3:16

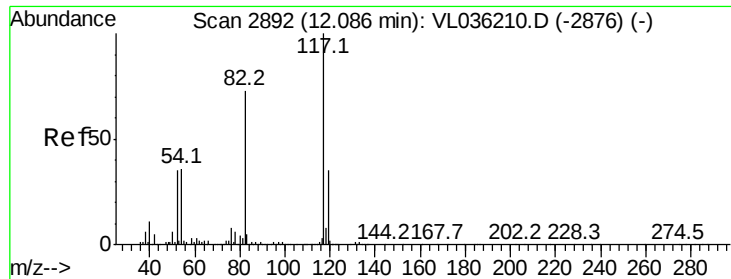
Tgt Ion: 107 Resp: 389291

Ion Ratio Lower Upper

107 100

109 92.5 74.5 111.7





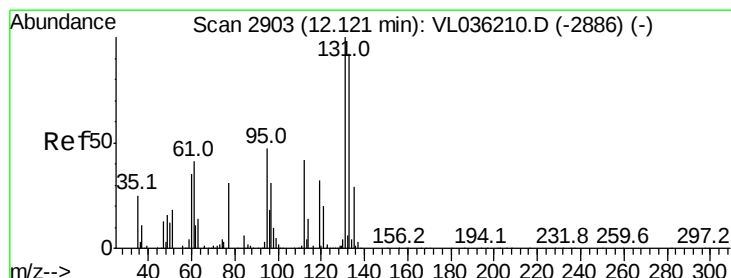
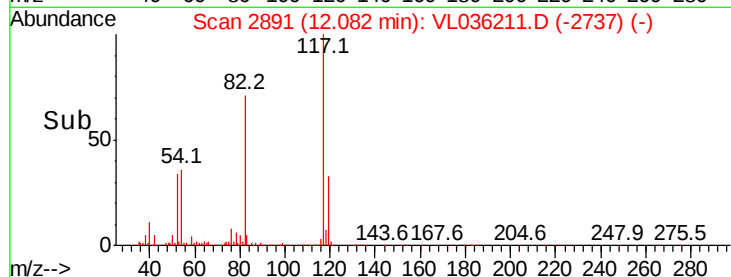
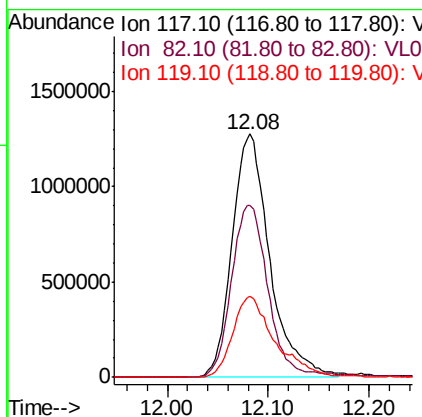
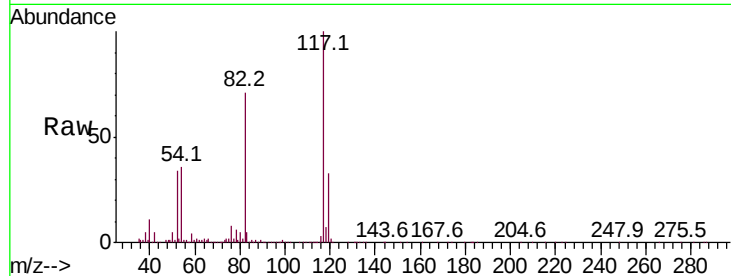
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.2	59.7	89.5
119	37.3	28.6	43.0

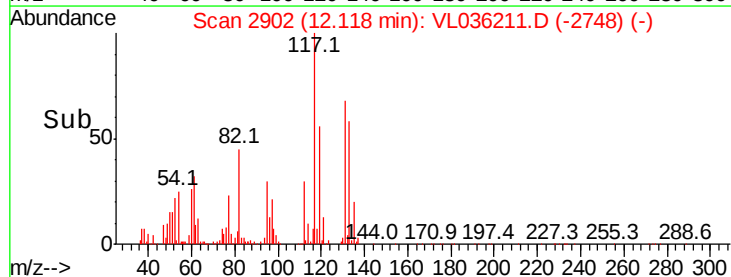
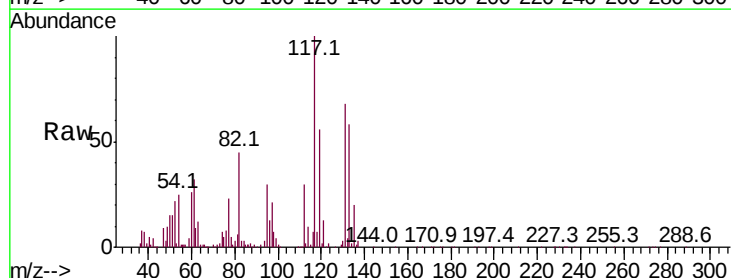
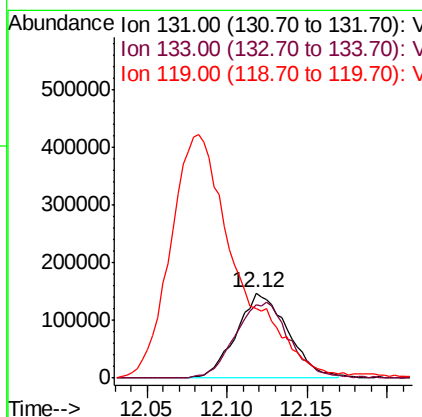
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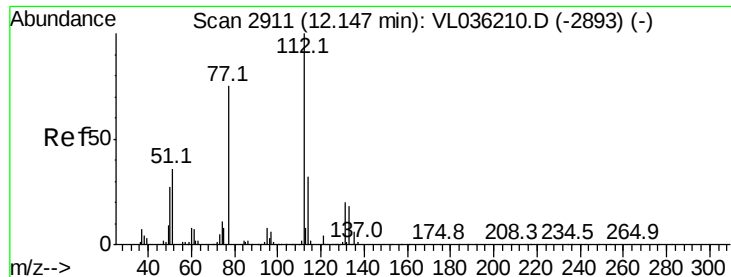
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.331 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.5	114.7
119	386.6	45.4	68.0#





#57

Chlorobenzene

Concen: 2.379 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. -0.00 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Instrument :

MSVOA_L

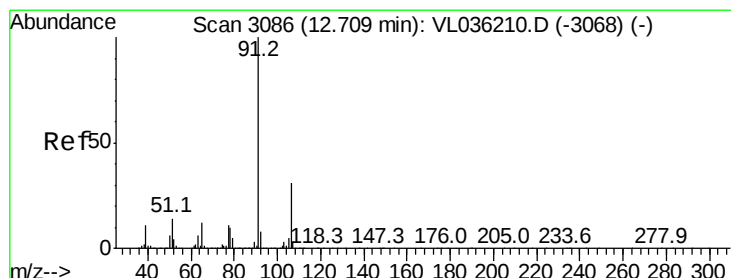
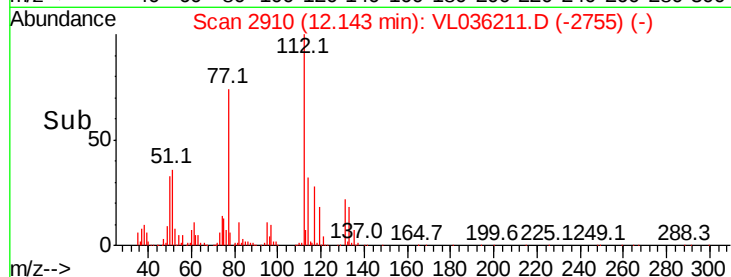
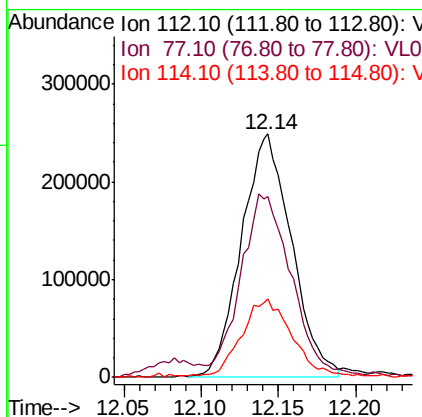
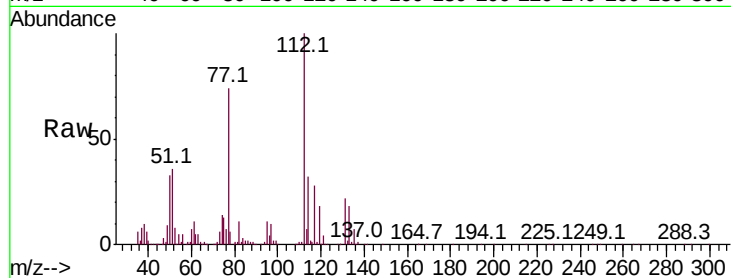
ClientSampleId :

VSTDIC002

Tot Ion:	112	Resp:	556828
Ion Ratio	Lower	Upper	
112	100		
77	71.0	59.6	89.4
114	32.1	28.7	35.1

Manual Integrations
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#58

Ethyl Benzene

Concen: 2.374 ppbv

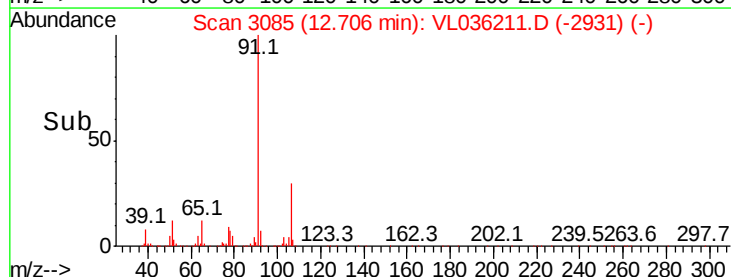
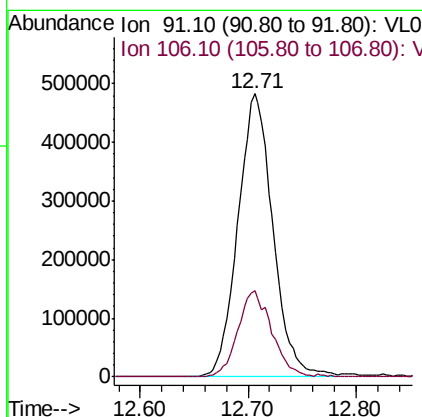
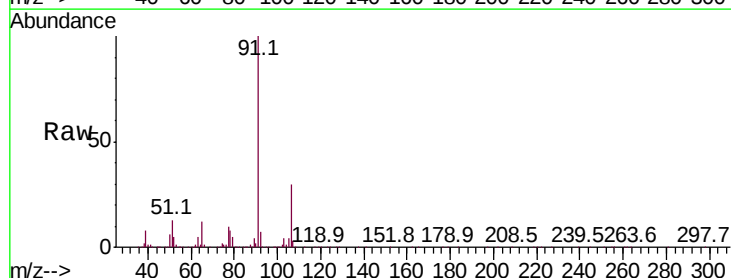
RT: 12.71 min Scan# 3085

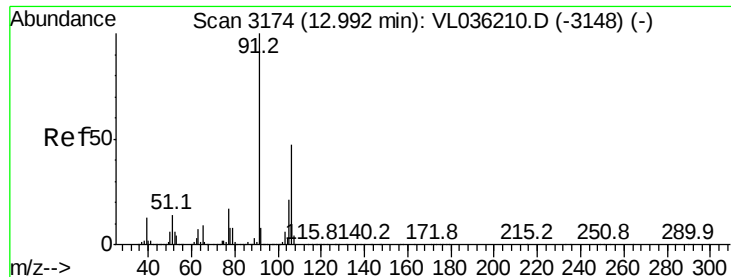
Delta R.T. -0.00 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Tgt Ion:	91	Resp:	1087082
Ion Ratio	Lower	Upper	
91	100		
106	30.3	24.8	37.2





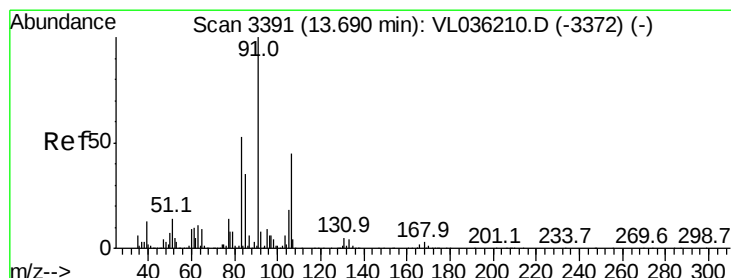
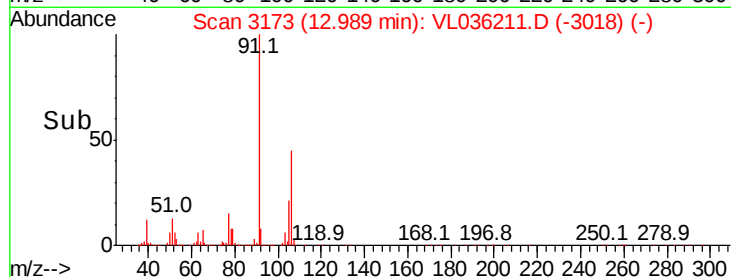
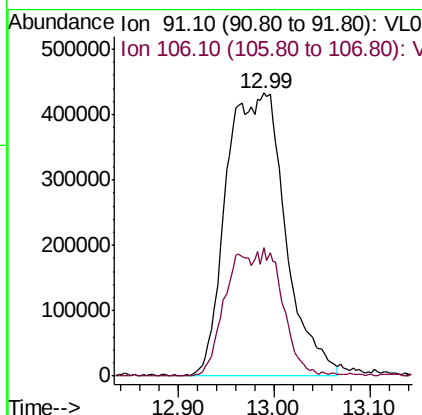
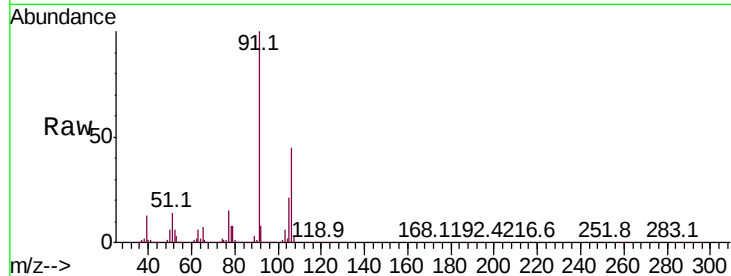
#59
m/p-Xylene
Concen: 4.806 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1849988
Ion Ratio Lower Upper
91 100
106 42.5 34.6 51.8

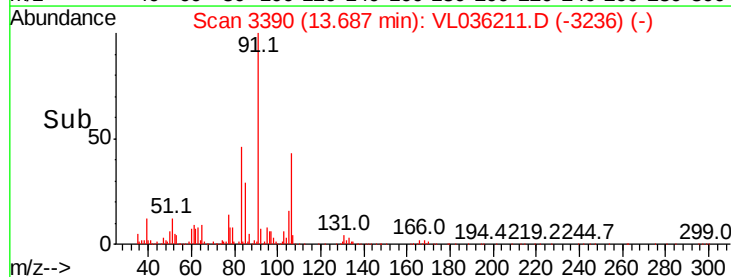
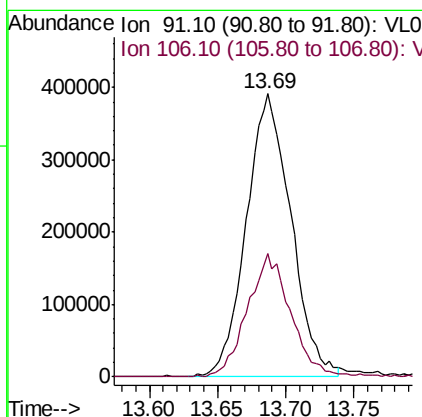
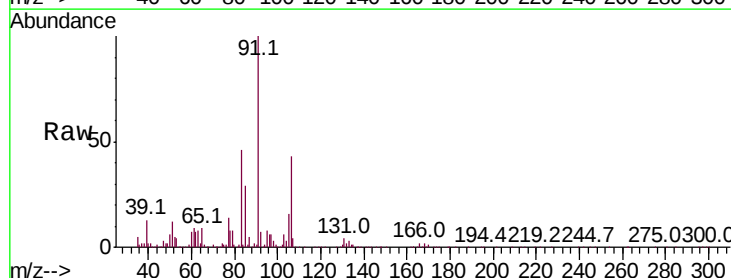
Manual Integrations
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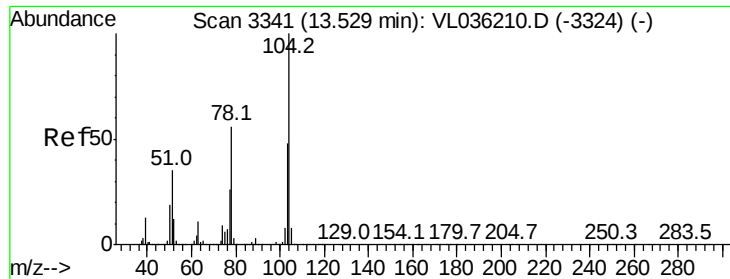
MMDadoda
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#60
o-Xylene
Concen: 2.435 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Tgt Ion: 91 Resp: 884684
Ion Ratio Lower Upper
91 100
106 42.8 21.9 65.8





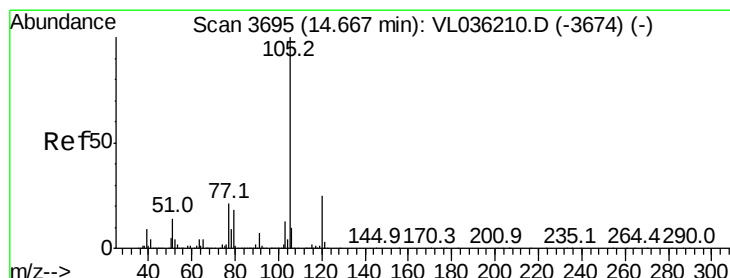
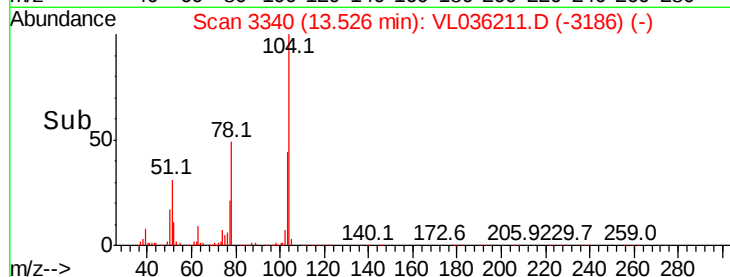
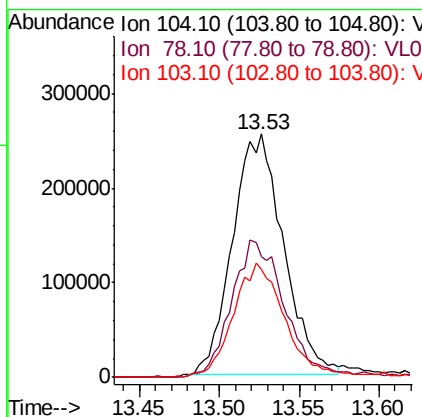
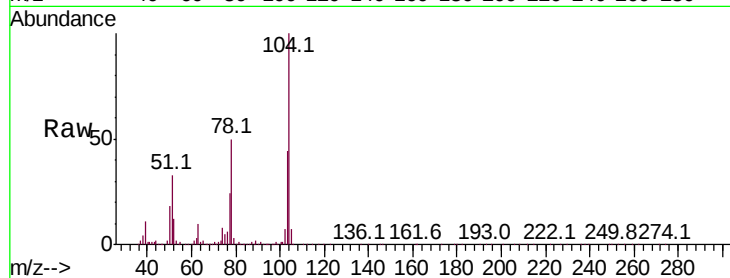
#61
Stvrene
Concen: 2.345 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	60.6	46.8	70.2
103	48.3	38.4	57.6

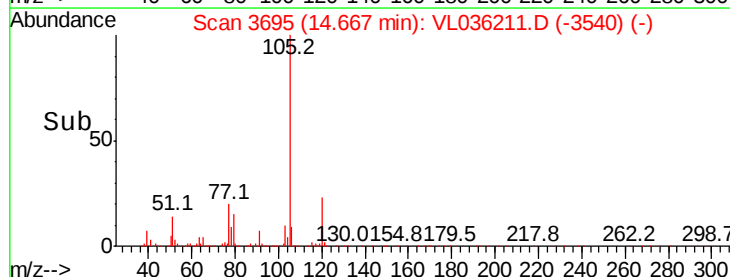
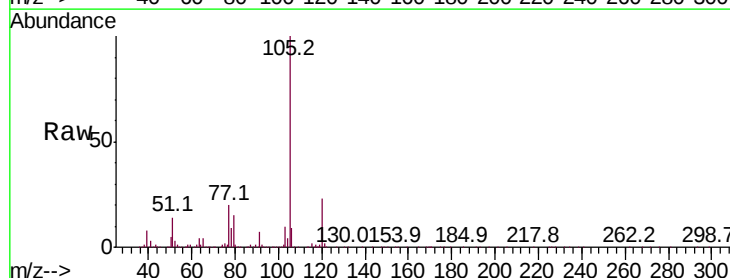
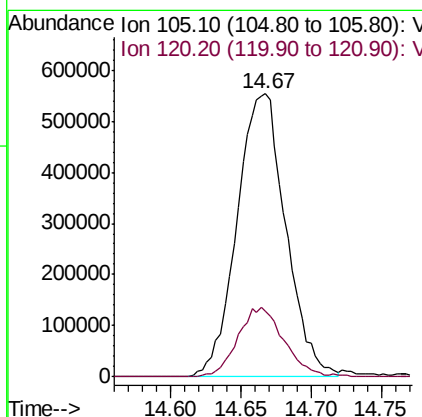
Manual Integrations
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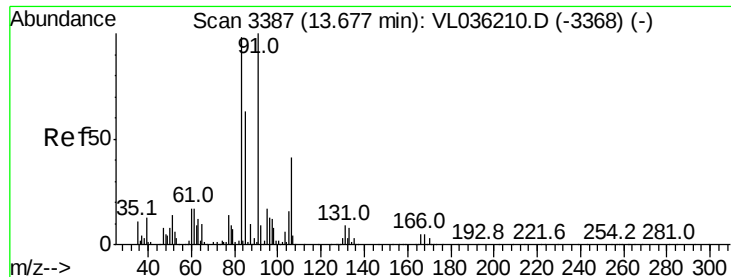
MMDadoda
1/19/2021 4:35:01 PM



#62
Isopropylbenzene
Concen: 2.463 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.7	20.3	30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 2.555 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. -0.01 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Instrument :

MSVOA_L

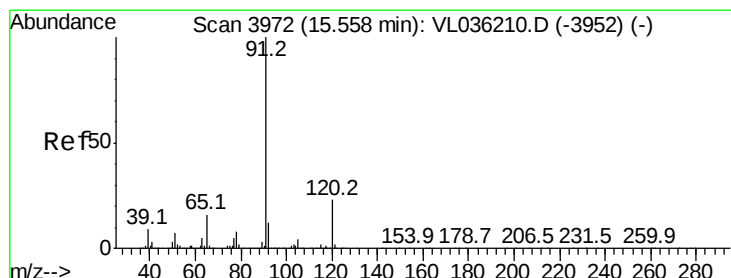
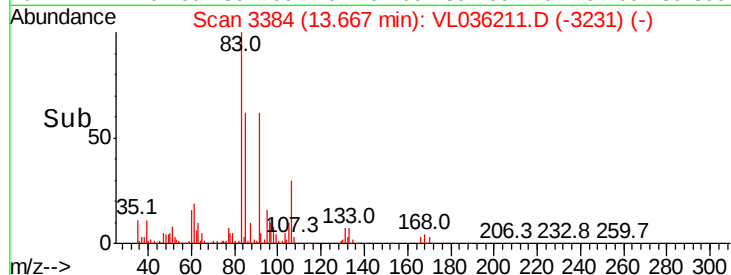
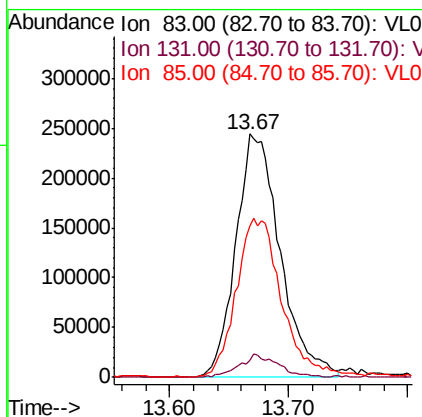
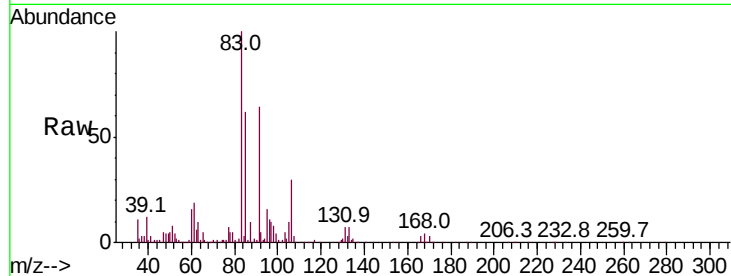
ClientSampleId :

VSTDIC002

Tot Ion:	83	Resp:	630423
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.5	13.5
85	67.7	33.1	99.3

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#64

n-propylbenzene

Concen: 2.477 ppbv

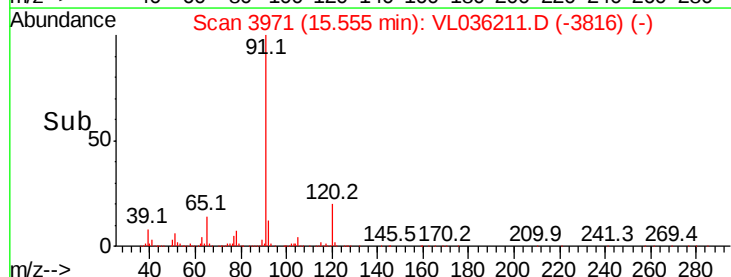
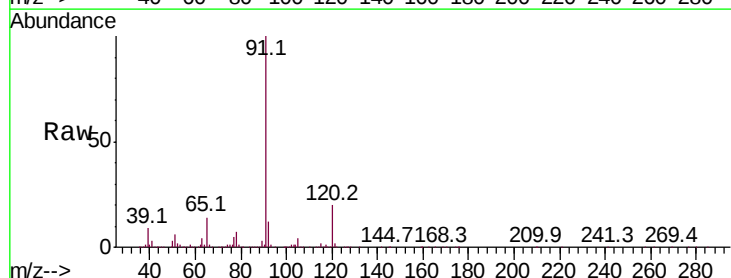
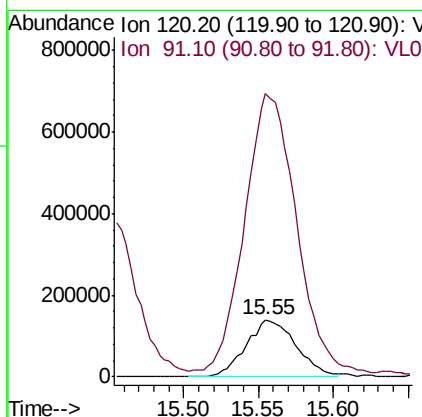
RT: 15.55 min Scan# 3971

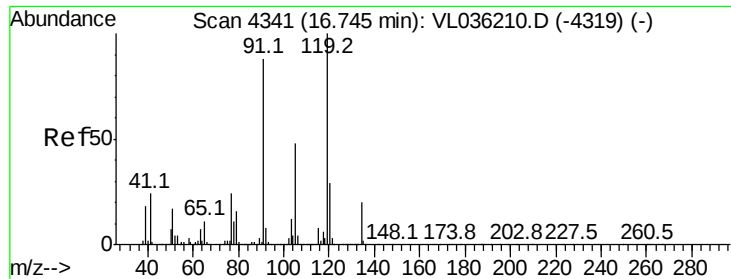
Delta R.T. -0.00 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Tgt Ion:	120	Resp:	324102
Ion Ratio	Lower	Upper	
120	100		
91	533.7	391.8	587.6





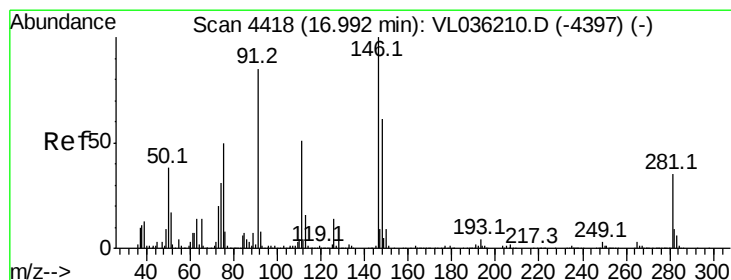
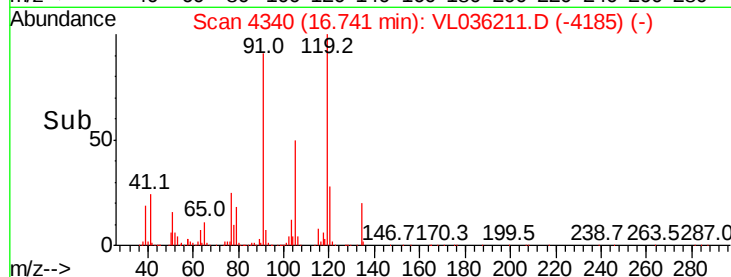
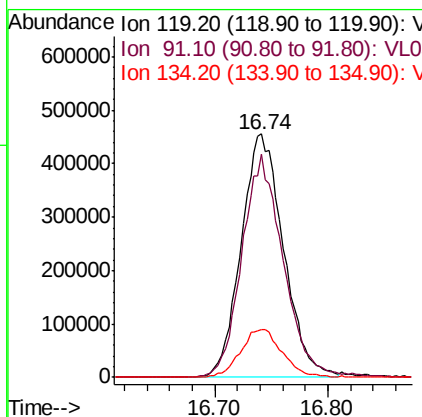
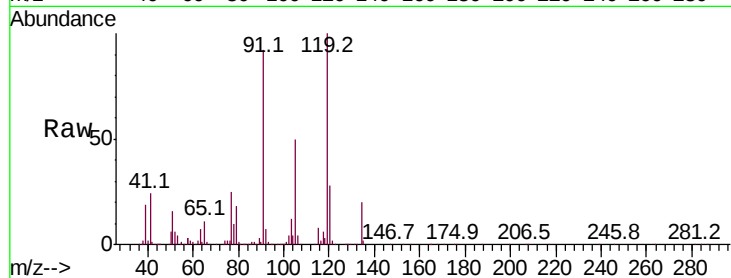
#65
tert-Butylbenzene
Concen: 2.661 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 119 Resp: 1182762
Ion Ratio Lower Upper
119 100
91 89.2 71.0 106.6
134 19.5 15.8 23.6

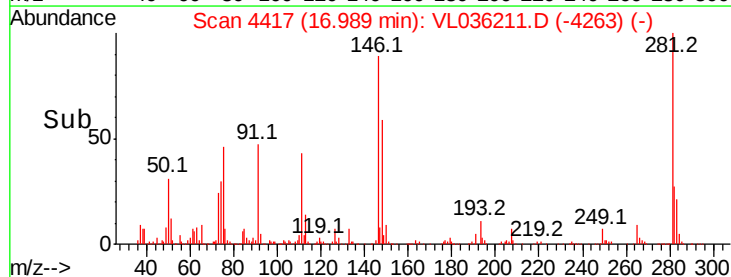
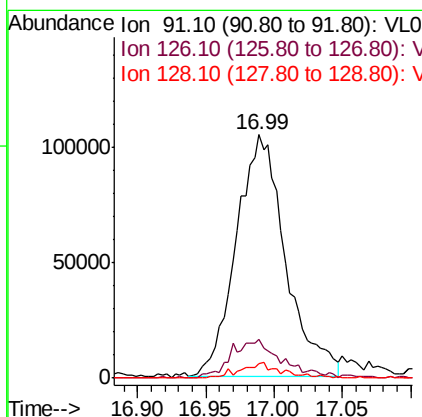
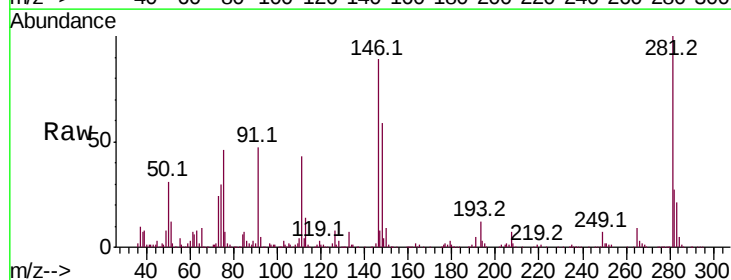
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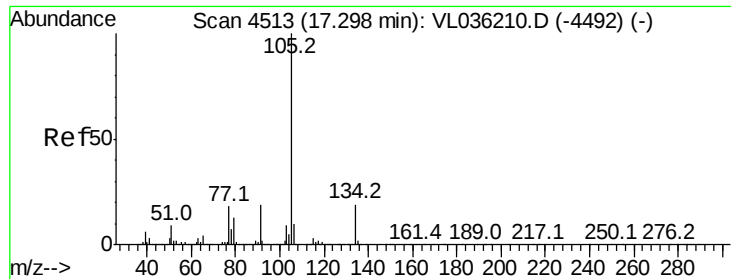
MMDadoda
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#66
Benzyl Chloride
Concen: 2.309 ppbv
RT: 16.99 min Scan# 4417
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Tgt Ion: 91 Resp: 263357
Ion Ratio Lower Upper
91 100
126 16.5 12.6 19.0
128 5.6 3.8 5.6





#67

sec-Butylbenzene

Concen: 2.741 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. -0.01 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 1722041

Ion Ratio Lower Upper

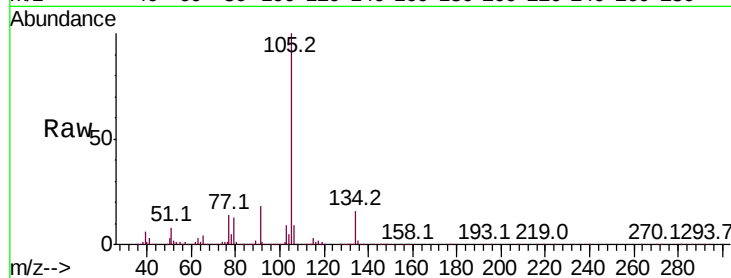
105 100

134 17.0 14.2 21.4

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

Ion 134.20 (133.90 to 134.90): V

17.29

800000

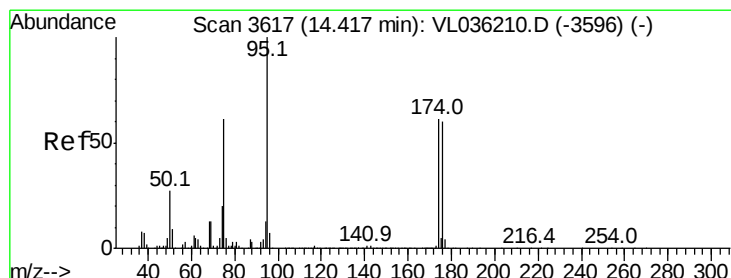
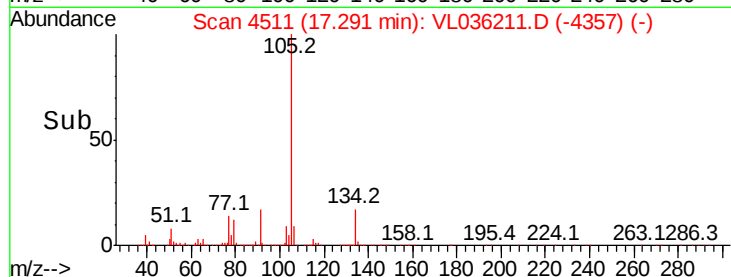
600000

400000

200000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.030 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

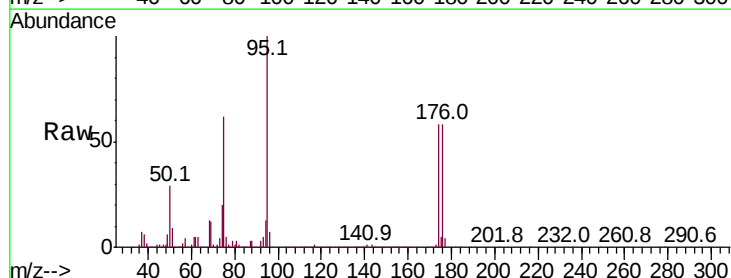
Tgt Ion: 95 Resp: 2670780

Ion Ratio Lower Upper

95 100

174 61.9 49.4 74.0

175 4.6 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

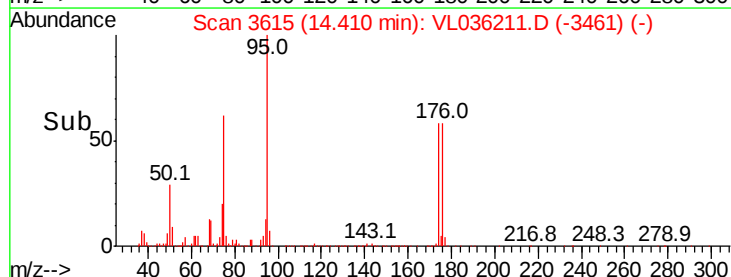
14.41

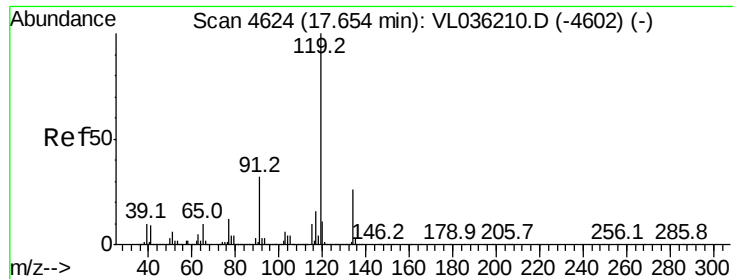
1000000

500000

0

Time-->





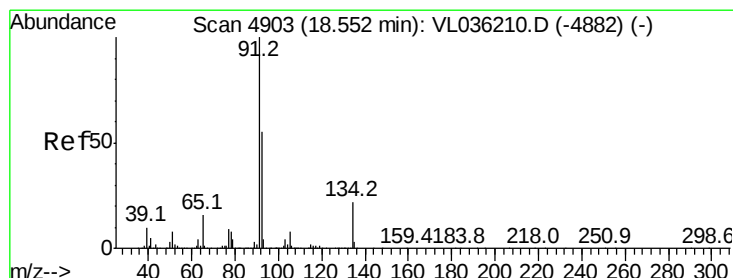
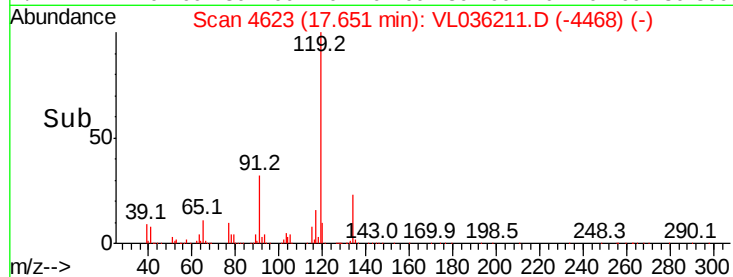
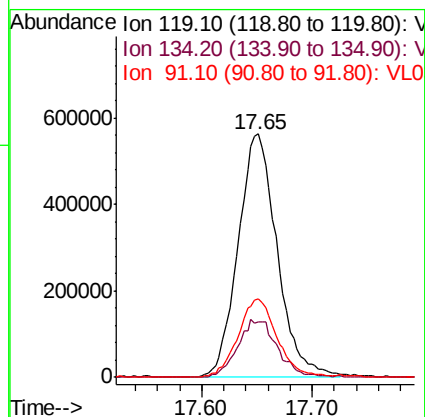
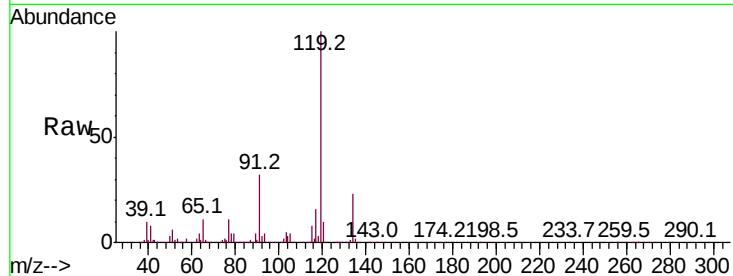
#69
 p-Isopropyltoluene
 Concen: 2.761 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.2	20.2	30.4
91	32.7	26.0	39.0

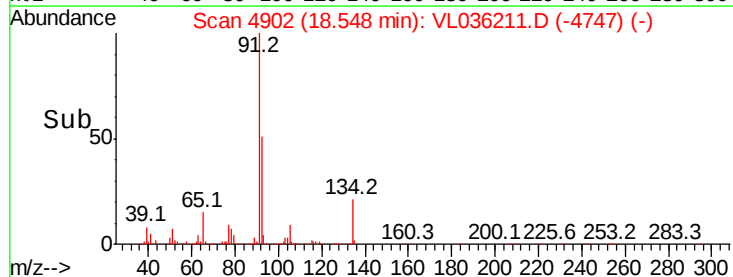
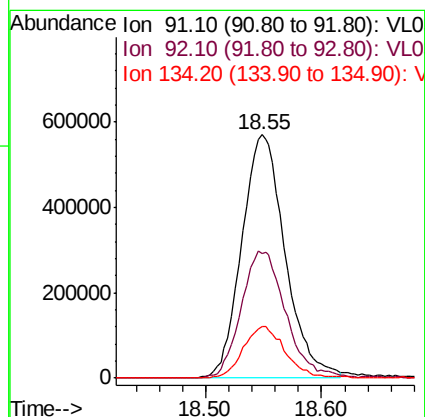
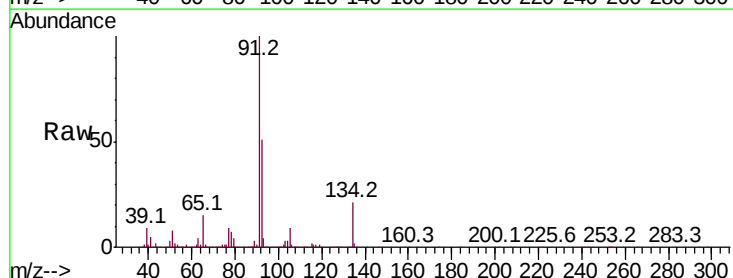
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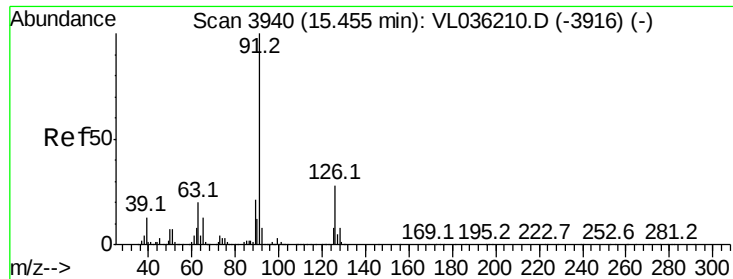
MMDadoda
 1/19/2021 4:35:01 PM



#70
 n-Butylbenzene
 Concen: 2.935 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.9	44.0	66.0
134	20.8	17.0	25.4





#71

2-Chlorotoluene

Concen: 2.517 ppbv

RT: 15.45 min Scan# 3938

Delta R.T. -0.01 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 1039150

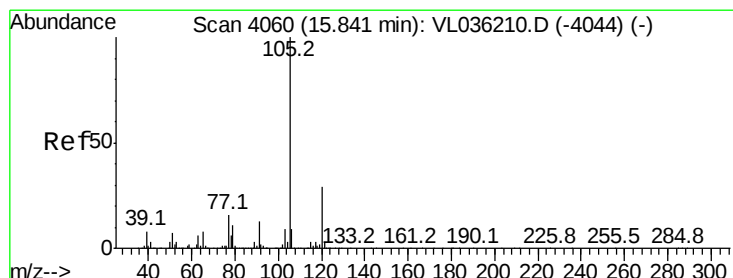
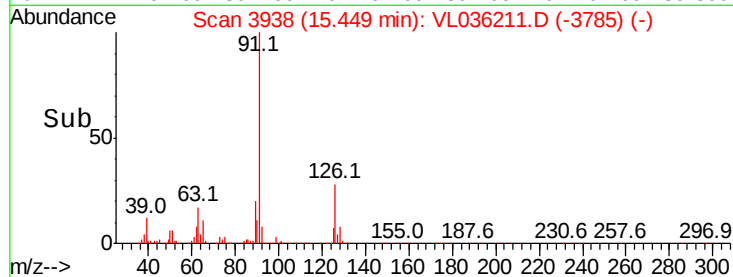
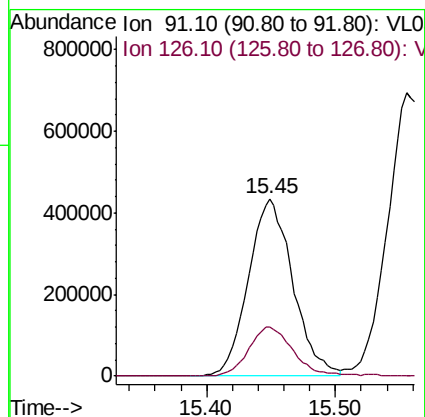
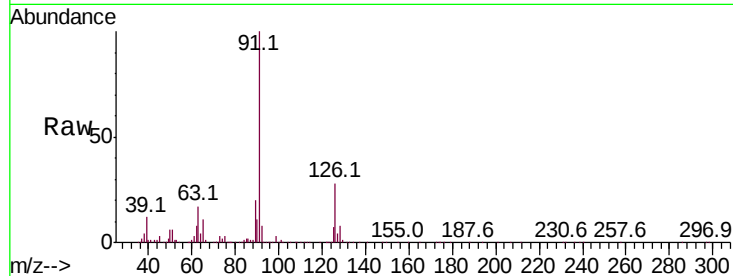
Ion Ratio Lower Upper

91 100

126 28.3 11.5 45.9

Manual Integrations
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1/19/2021 4:35:01 PM



#72

4-Ethyltoluene

Concen: 2.554 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. -0.01 min

Lab File: VL036211.D

Acq: 13 Jan 2021 3:16

Tgt Ion: 105 Resp: 1017685

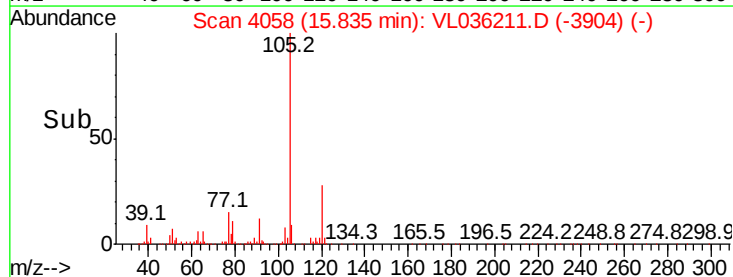
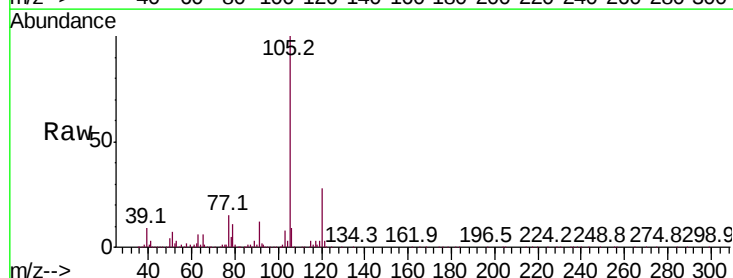
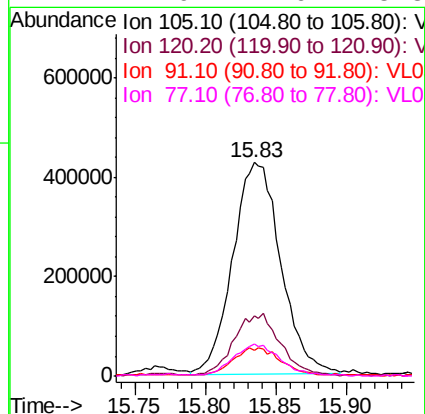
Ion Ratio Lower Upper

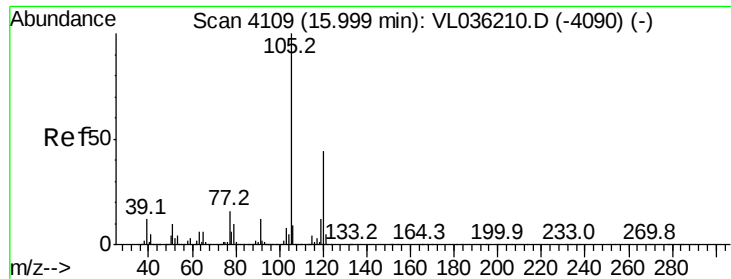
105 100

120 28.6 23.7 35.5

91 13.6 11.9 17.9

77 14.9 12.6 18.8





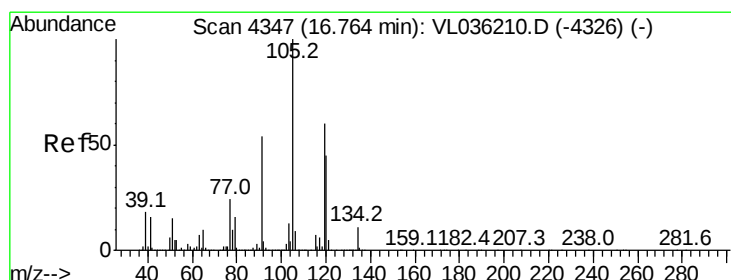
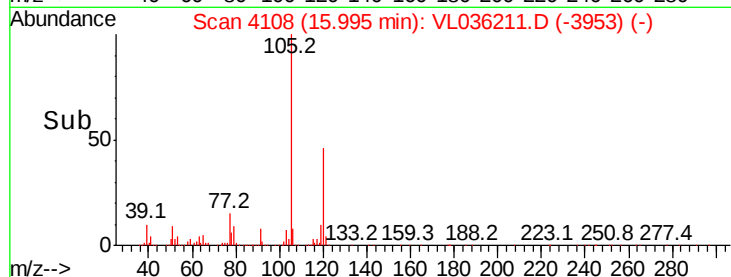
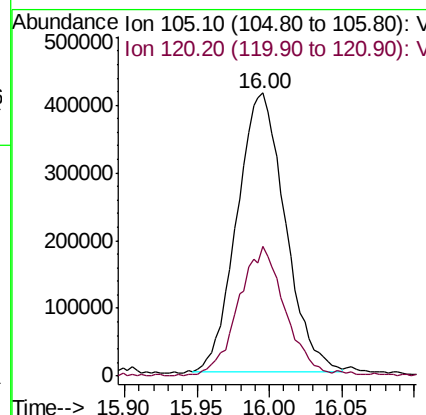
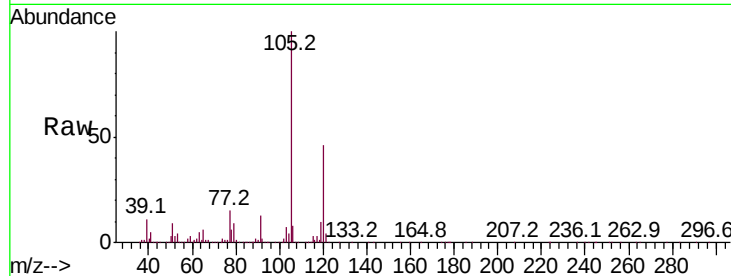
#73
 1,3,5-Trimethylbenzene
 Concen: 2.505 ppbv
 RT: 16.00 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.0	35.5	53.3

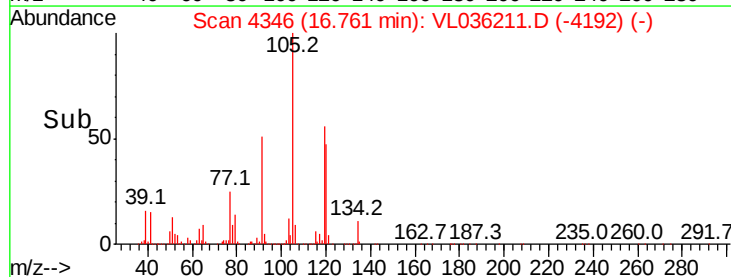
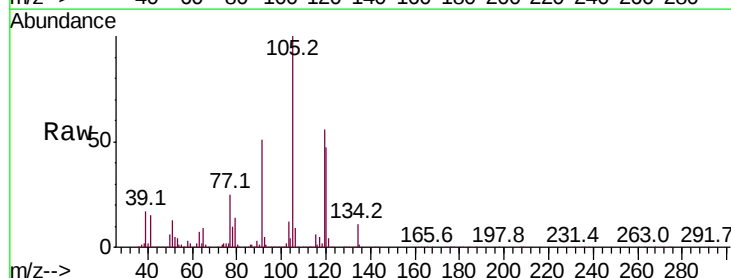
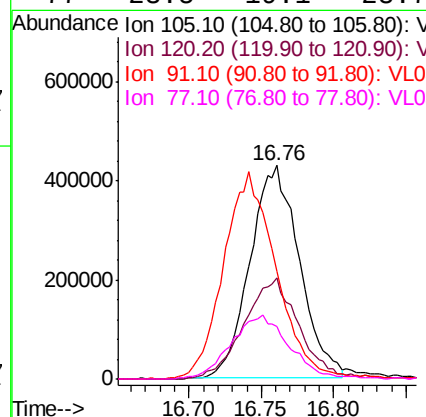
Manual Integrations
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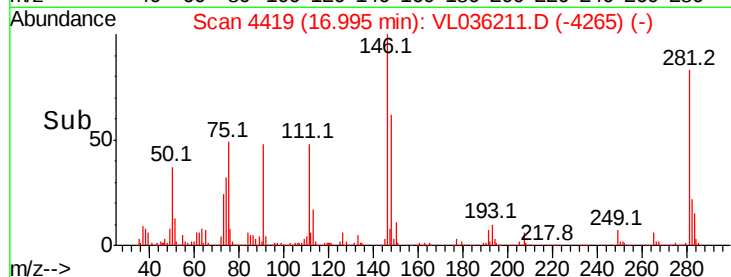
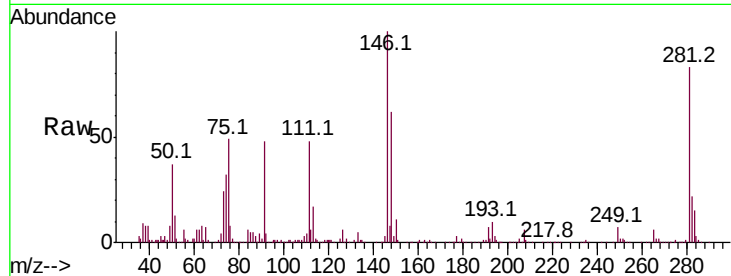
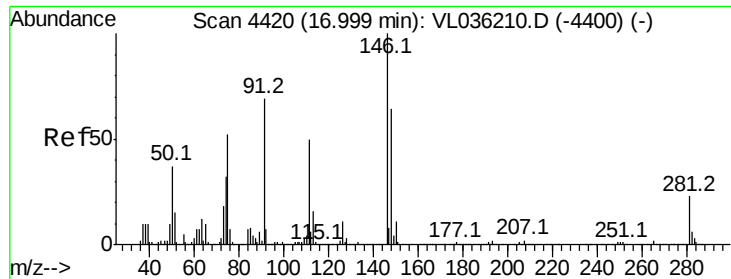
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 1/19/2021 4:35:01 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 2.659 ppbv
 RT: 16.76 min Scan# 4346
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	36.2	54.2
91	48.4	43.3	64.9
77	23.5	19.1	28.7





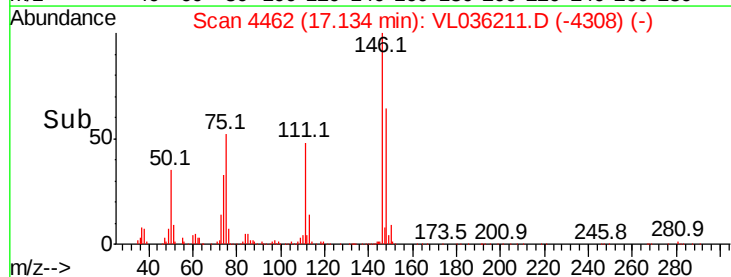
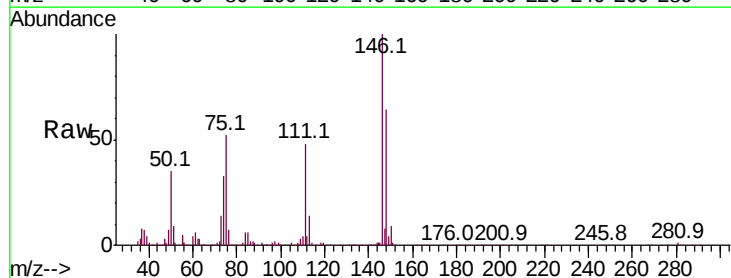
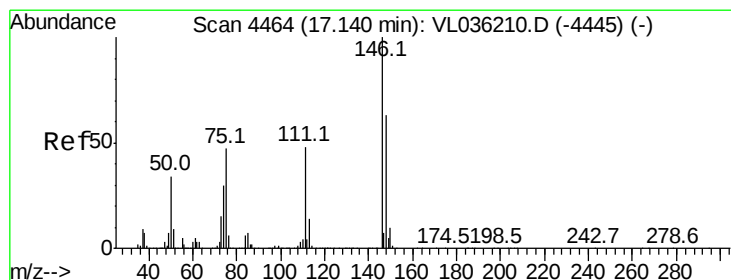
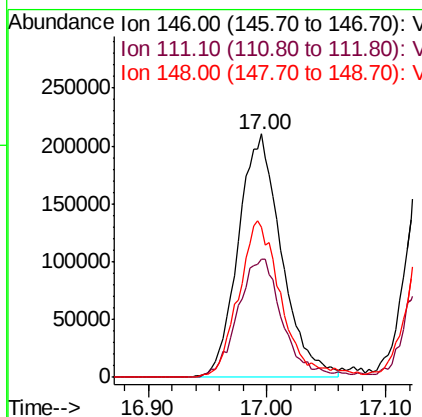
#75
 1,3-Dichlorobenzene
 Concen: 2.742 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.4	25.5	76.5
148	63.8	32.4	97.2

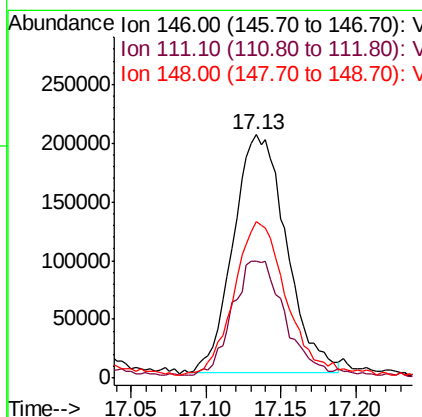
Manual Integrations
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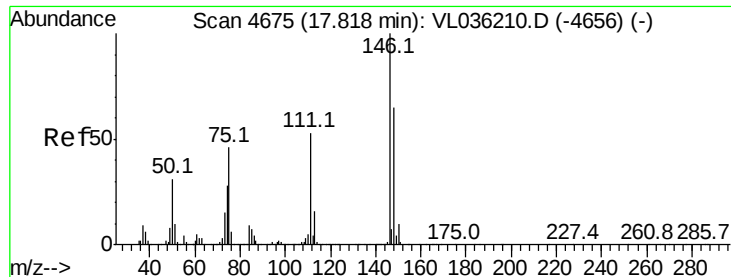
MMDadoda
 1/19/2021 4:35:01 PM



#76
 1,4-Dichlorobenzene
 Concen: 2.544 ppbv
 RT: 17.13 min Scan# 4462
 Delta R.T. -0.01 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.1	25.4	76.0
148	67.5	33.3	99.9





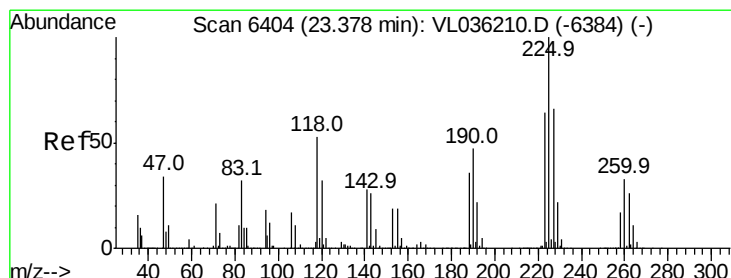
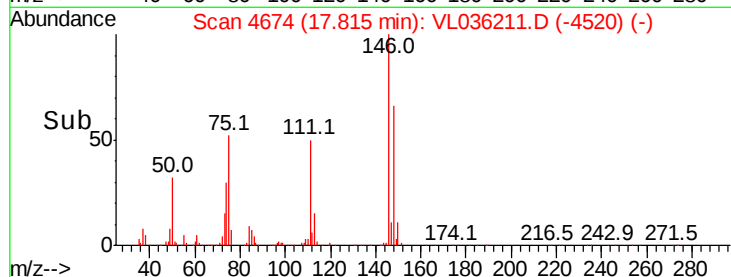
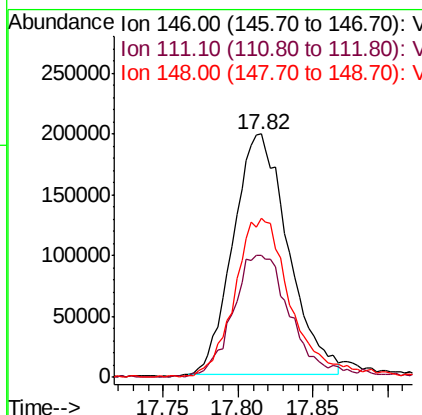
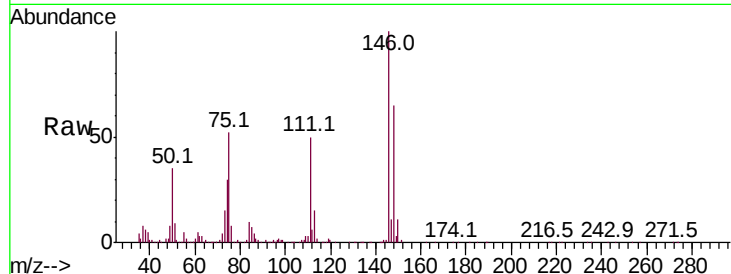
#77
 1,2-Dichlorobenzene
 Concen: 2.686 ppbv
 RT: 17.82 min Scan# 4674
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	55.0	26.5	79.4
148	67.3	32.8	98.4

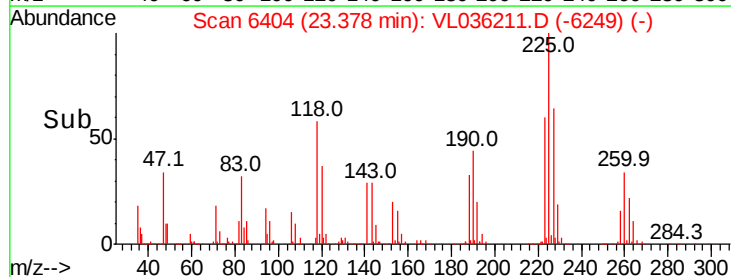
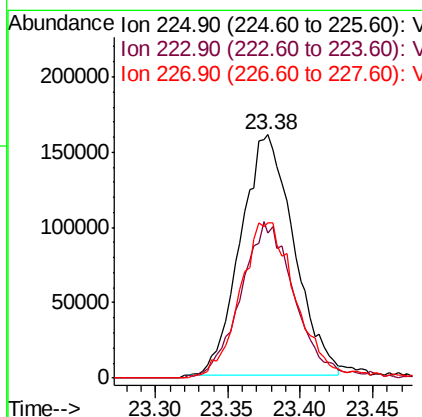
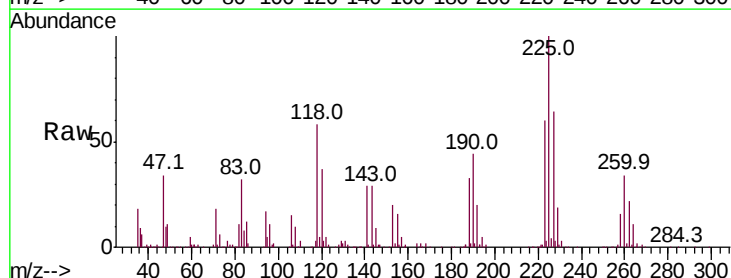
Manual Integrations
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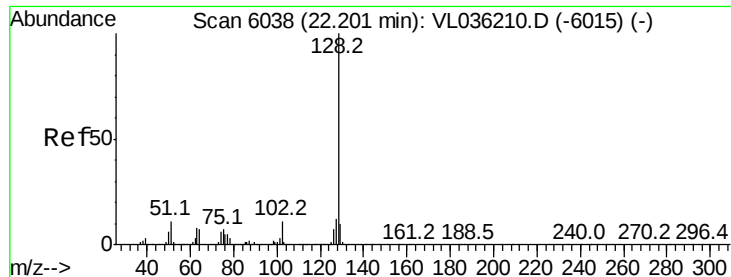
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#78
 Hexachloro-1,3-Butadiene
 Concen: 2.761 ppbv
 RT: 23.38 min Scan# 6404
 Delta R.T. -0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.6	50.5	75.7
227	68.7	51.7	77.5





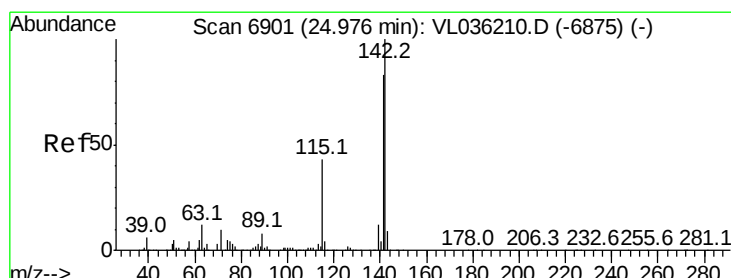
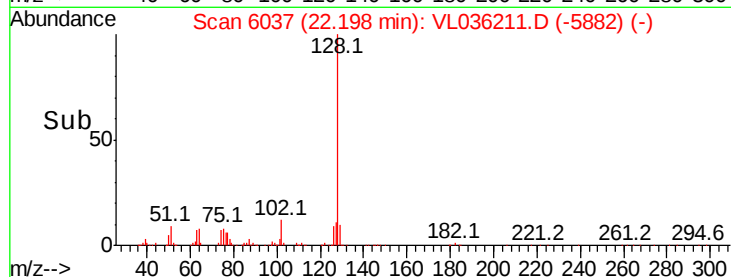
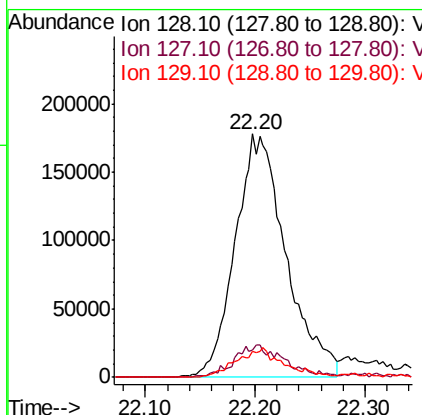
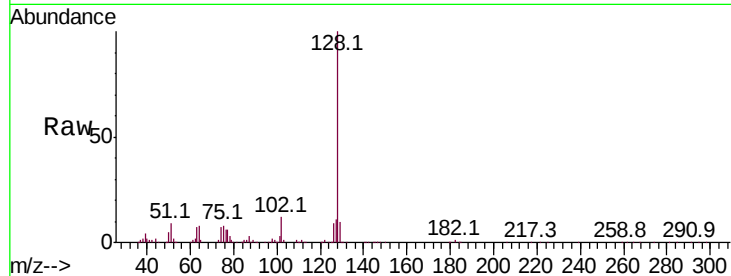
#79
Naphthalene
Concen: 2.795 ppbv m
RT: 22.20 min Scan# 6037
Delta R.T. -0.00 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	11.1	9.9	14.9	
129	10.4	8.4	12.6	

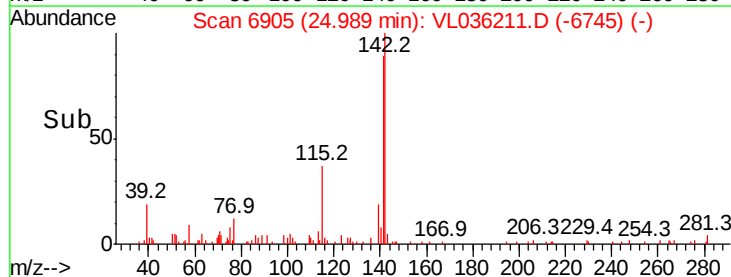
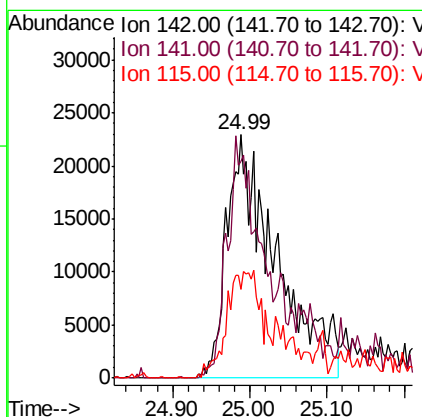
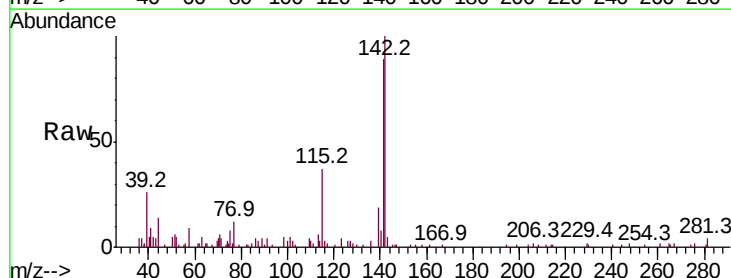
Manual Integrations
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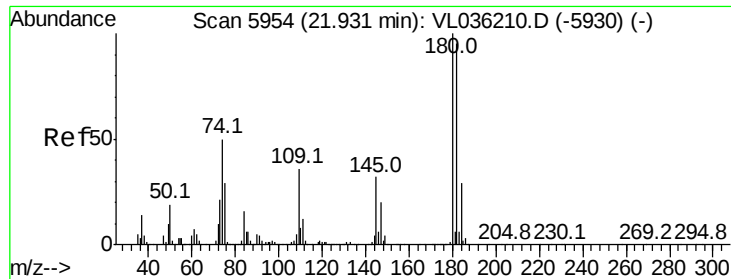
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1/19/2021 4:35:01 PM



#80
Naphthalene, 2-methyl-
Concen: 2.433 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. 0.01 min
Lab File: VL036211.D
Acq: 13 Jan 2021 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	87.7	68.6	102.8	
115	30.6	32.9	49.3#	





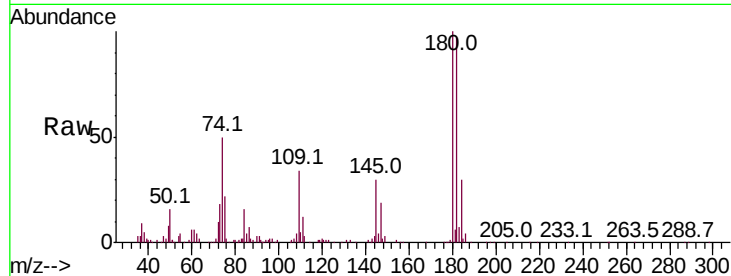
#81
 1,2,4-Trichlorobenzene
 Concen: 2.513 ppbv m
 RT: 21.93 min Scan# 5955
 Delta R.T. 0.00 min
 Lab File: VL036211.D
 Acq: 13 Jan 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	79.9	119.9#
184	31.9	25.6	38.4

Manual Integrations
 APPROVED

MMDadoda
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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

