

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036212.D
 Acq On : 13 Jan 2021 3:54
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 1/18/2021 3:48:45 PM

Quant Time: Jan 14 16:02:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13
 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	1595754	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3405391	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3172074	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2611155	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.04	85	243925	1.302	ppbv	96
3) Chlorodifluoromethane	2.99	51	208602	1.143	ppbv	99
4) Chloromethane	3.14	50	99959m	1.113	ppbv	
5) Vinyl Chloride	3.26	62	92474m	0.934	ppbv	
6) Bromomethane	3.47	94	52658m	1.039	ppbv	
7) Chloroethane	3.56	64	32240m	0.967	ppbv	
8) Dichlorotetrafluoroethane	3.18	85	232404m	1.141	ppbv	
9) Propene	3.01	41	98079	1.083	ppbv	96
10) Heptane	8.12	43	241921	1.047	ppbv	95
11) Trichlorofluoromethane	3.95	101	237205m	1.104	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.48	101	144563	1.008	ppbv	98
13) Ethanol	3.61	45	15038m	1.199	ppbv	
14) Bromoethene	3.74	108	62644m	1.054	ppbv	
15) Acetone	3.85	43	203334	1.077	ppbv #	88
16) 1,3-Butadiene	3.32	39	102316m	1.073	ppbv	
17) tert-Butyl alcohol	4.30	59	182188m	1.025	ppbv	
18) 1,1-Dichloroethene	4.29	96	64576m	1.014	ppbv	
19) Isopropyl Alcohol	3.97	45	133061m	1.153	ppbv	
20) Methylene Chloride	4.34	84	72913m	0.964	ppbv	
21) Allyl Chloride	4.41	41	114039m	0.931	ppbv	
22) trans-1,2-Dichloroethene	4.88	96	60260m	0.951	ppbv	
23) Vinyl Acetate	5.07	43	237634m	0.946	ppbv	
24) 1,1-Dichloroethane	5.01	63	187316m	1.060	ppbv	
25) Ethyl Acetate	5.68	43	429803m	1.137	ppbv	
26) Hexane	5.68	57	183721m	1.081	ppbv	
27) Carbon Disulfide	4.55	76	119394	0.731	ppbv #	91
28) Methyl tert-Butyl Ether	5.04	73	227148	0.961	ppbv	99
29) Chloroform	5.74	83	243614m	1.082	ppbv	
30) Cyclohexane	7.12	84	126695	0.998	ppbv	92
31) cis-1,2-Dichloroethene	5.54	61	153722	0.988	ppbv	90
32) 1,1,1-Trichloroethane	6.51	97	231578	0.997	ppbv	97
34) 2-Butanone	5.25	43	282522m	1.236	ppbv	
35) Carbon Tetrachloride	7.01	117	223603	1.126	ppbv	97
36) Benzene	6.89	78	339463	1.171	ppbv	97
37) 1,2-Dichloroethane	6.30	62	197746	1.170	ppbv	98
38) Trichloroethene	7.83	130	108128	1.010	ppbv	95
39) 1,2-Dichloropropane	7.61	63	133138	1.160	ppbv	92
40) 1,4-Dioxane	7.85	88	56515m	1.562	ppbv	
41) Tetrahydrofuran	6.06	42	154039m	1.149	ppbv	
42) Bromodichloromethane	7.79	83	247584	1.110	ppbv #	93
43) Methyl Methacrylate	8.01	69	136842m	1.100	ppbv	

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Manual Integrations
 APPROVED

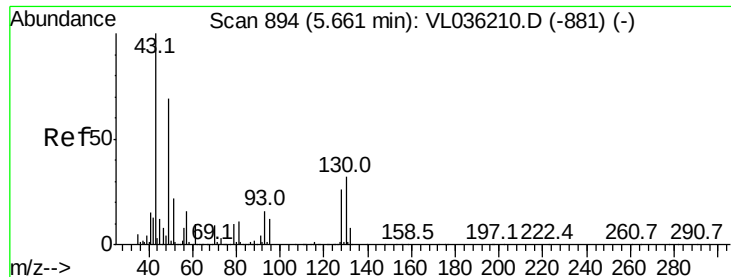
MMDadoda
 1/18/2021 3:48:45 PM

Quant Time: Jan 14 16:02:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 16:02:53 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.86	57	649979	1.243	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	115373m	0.907	ppbv	
46) cis-1,3-Dichloropropene	8.70	75	159109	0.991	ppbv	95
47) 1,1,2-Trichloroethane	9.47	97	126115	1.139	ppbv	96
48) Dibromochloromethane	10.30	129	176620m	1.066	ppbv	
49) Bromoform	13.04	173	146613m	1.119	ppbv	
50) 4-Methyl-2-Pentanone	8.74	43	395067	1.162	ppbv	99
51) 2-Hexanone	10.14	43	299646	1.112	ppbv #	98
52) Tetrachloroethene	11.22	164	115099m	1.105	ppbv	
53) Toluene	9.80	91	373771m	1.149	ppbv	
54) 1,2-Dibromoethane	10.61	107	196584m	1.185	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.13	131	146643m	1.116	ppbv	
57) Chlorobenzene	12.14	112	274908m	1.229	ppbv	
58) Ethyl Benzene	12.71	91	503440	1.150	ppbv	99
59) m/p-Xylene	12.99	91	916057m	2.490	ppbv	
60) o-Xylene	13.69	91	441706	1.272	ppbv	97
61) Styrene	13.52	104	261852	1.162	ppbv	99
62) Isopropylbenzene	14.66	105	661297	1.280	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	310539	1.317	ppbv	99
64) n-propylbenzene	15.56	120	155351	1.242	ppbv	75
65) tert-Butylbenzene	16.74	119	564677	1.329	ppbv	94
66) Benzyl Chloride	16.99	91	99765	0.915	ppbv #	94
67) sec-Butylbenzene	17.29	105	826270	1.376	ppbv	97
69) p-Isopropyltoluene	17.65	119	662877m	1.387	ppbv	
70) n-Butylbenzene	18.55	91	682207	1.419	ppbv	99
71) 2-Chlorotoluene	15.45	91	508724	1.289	ppbv	96
72) 4-Ethyltoluene	15.84	105	495409m	1.301	ppbv	
73) 1,3,5-Trimethylbenzene	16.00	105	462113	1.268	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	481291	1.317	ppbv #	95
75) 1,3-Dichlorobenzene	16.99	146	255528m	1.385	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	256496m	1.365	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	245598m	1.374	ppbv	
78) Hexachloro-1,3-Butadiene	23.38	225	209955m	1.487	ppbv	
79) Naphthalene	22.21	128	242671m	1.240	ppbv	
80) Naphthalene, 2-methyl-	25.02	142	34579	0.865	ppbv #	75
81) 1,2,4-Trichlorobenzene	21.93	180	152172m	1.224	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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ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1595754

Ion Ratio Lower Upper

49 100

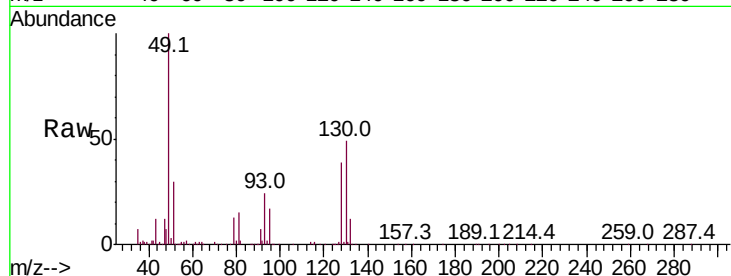
128 39.8 20.1 60.2

130 51.4 25.3 75.9

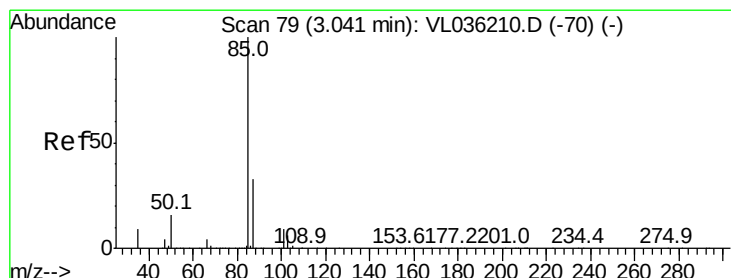
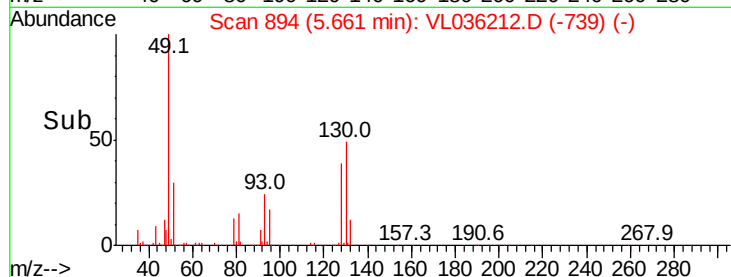
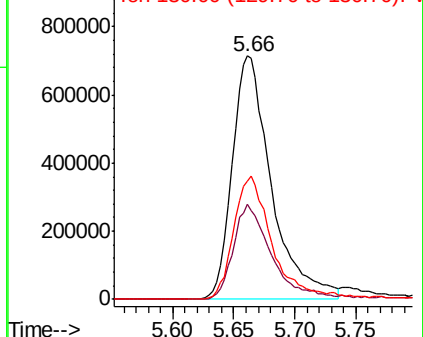
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): VL0
Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.302 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL036212.D

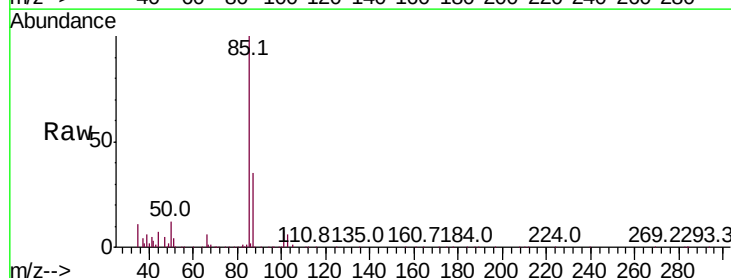
Acq: 13 Jan 2021 3:54

Tgt Ion: 85 Resp: 243925

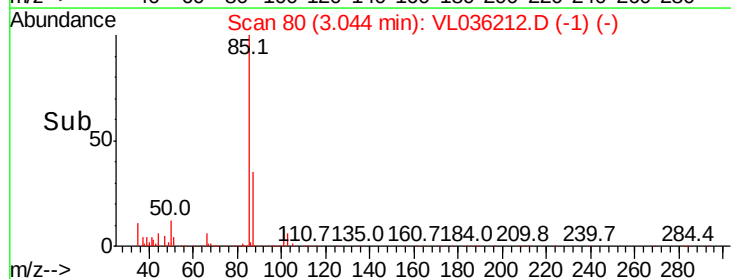
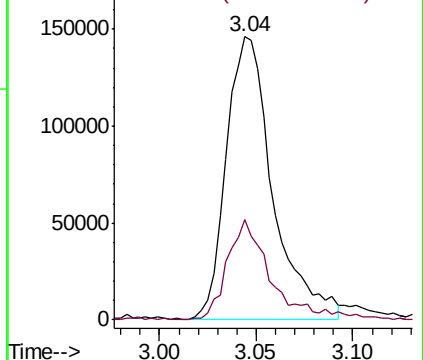
Ion Ratio Lower Upper

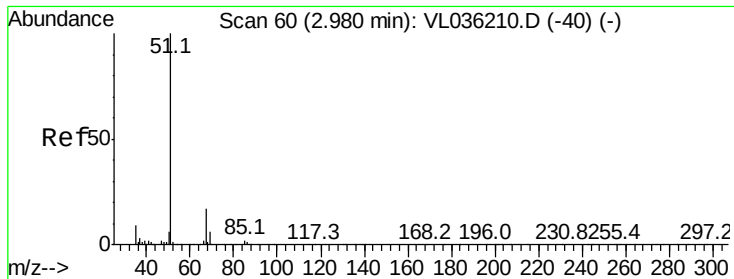
85 100

87 35.4 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





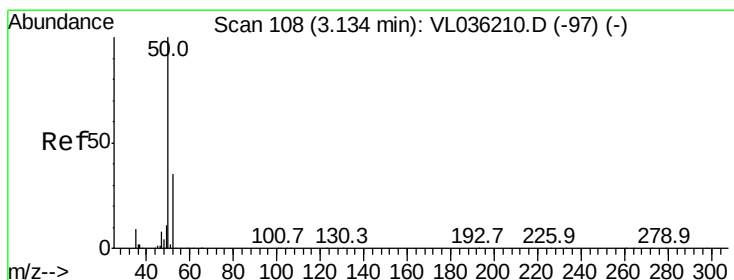
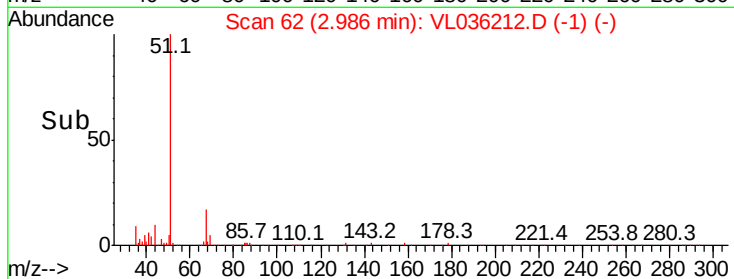
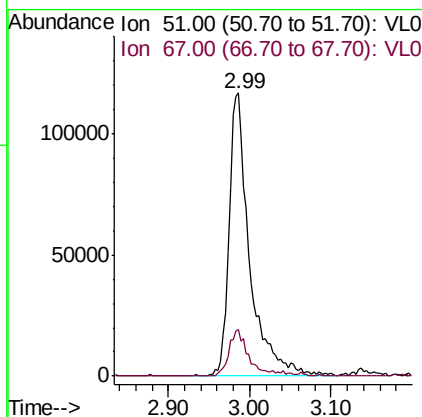
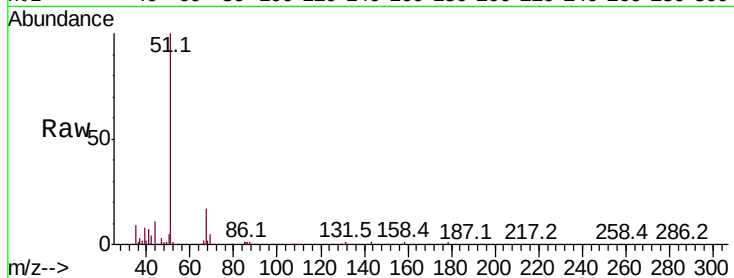
#3
Chlorodifluoromethane
Concen: 1.143 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.01 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

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Tot Ion	Ratio	Lower	Upper
51	100		
67	17.0	14.0	21.0

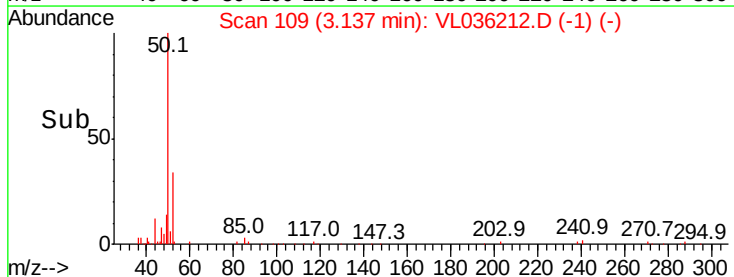
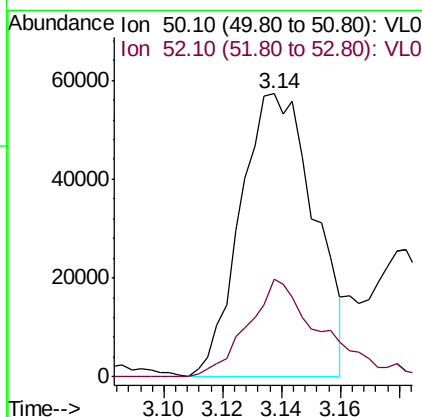
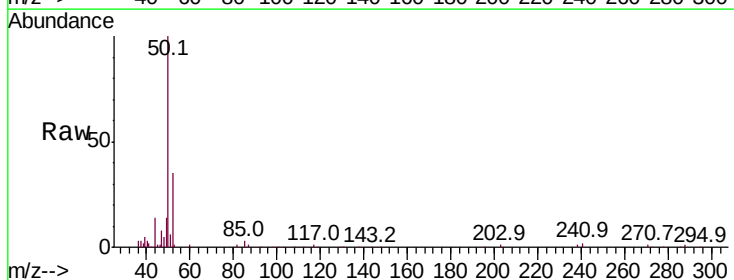
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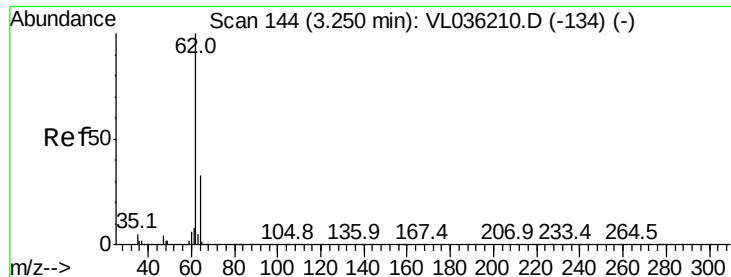
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#4
Chloromethane
Concen: 1.113 ppbv m
RT: 3.14 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	Lower	Upper
50	100		
52	34.5	27.8	41.8





#5

Vinyl Chloride

Concen: 0.934 ppbv m

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 92474

Ion Ratio Lower Upper

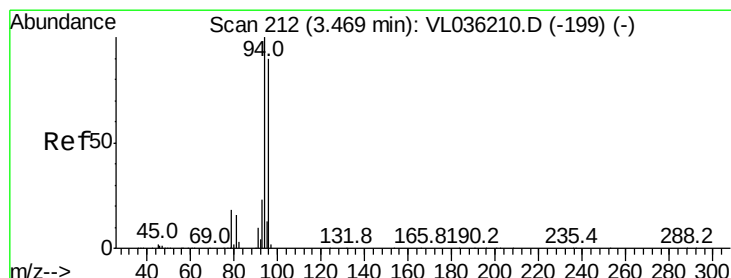
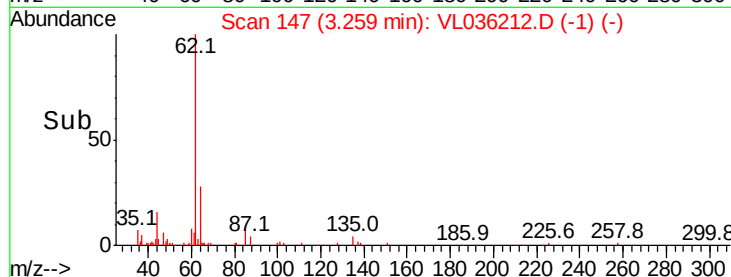
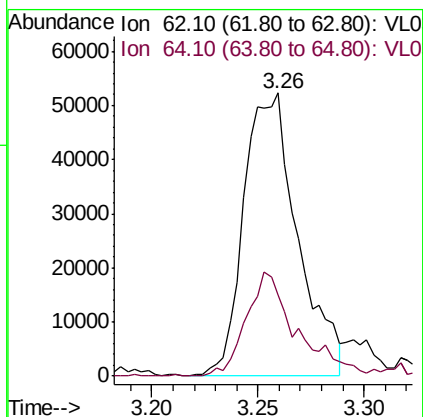
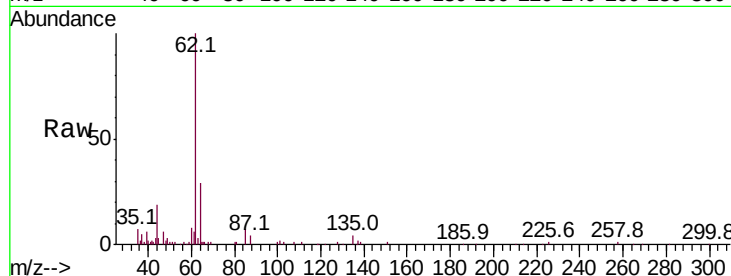
62 100

64 28.5 26.2 39.2

Manual Integrations
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#6

Bromomethane

Concen: 1.039 ppbv m

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL036212.D

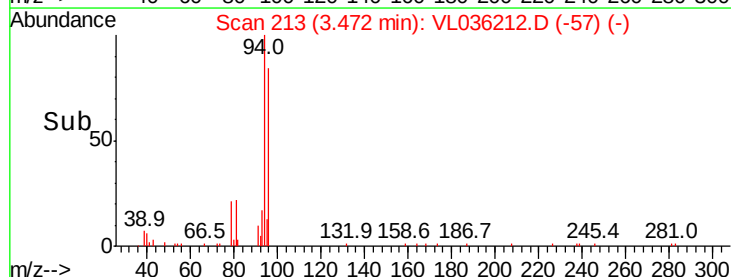
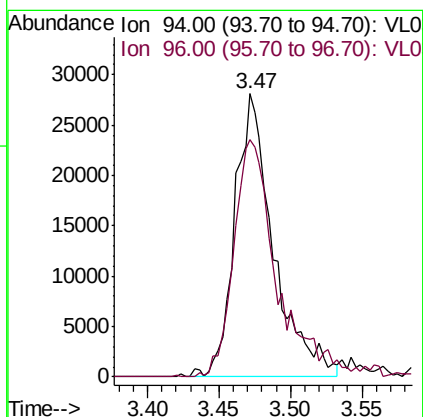
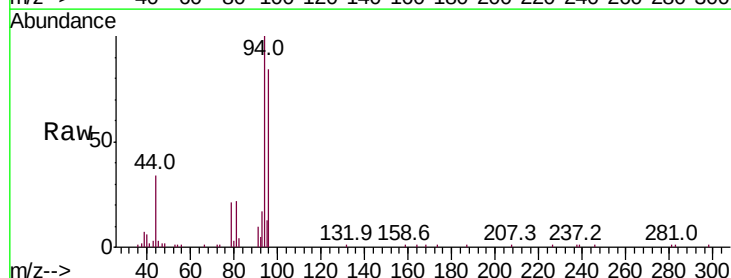
Acq: 13 Jan 2021 3:54

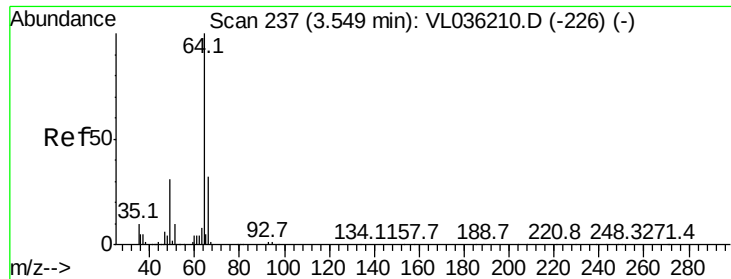
Tgt Ion: 94 Resp: 52658

Ion Ratio Lower Upper

94 100

96 84.0 71.9 107.9





#7

Chloroethane

Concen: 0.967 ppbv m

RT: 3.56 min Scan# 239

Delta R.T. 0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 32240

Ion Ratio Lower Upper

64 100

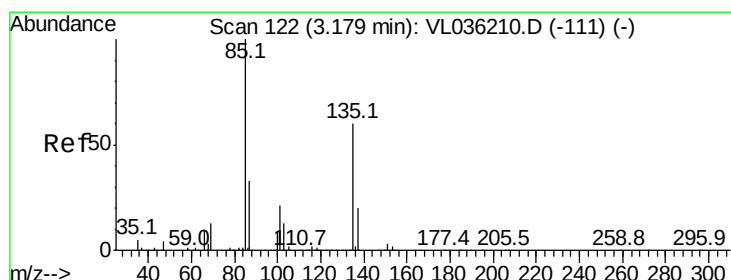
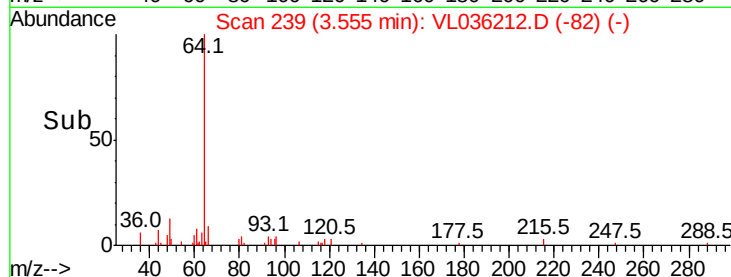
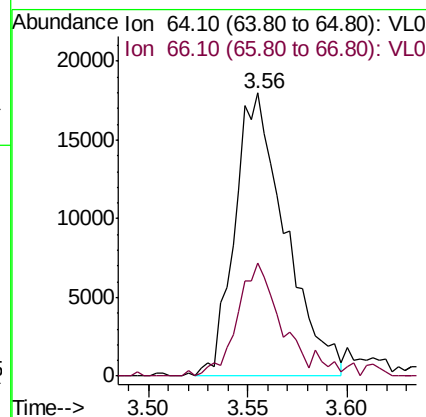
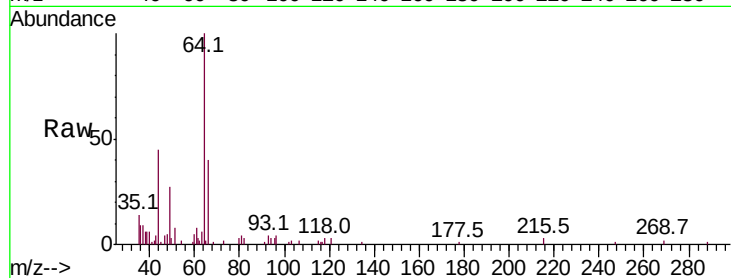
66 39.9 25.2 37.8#

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 1.141 ppbv m

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL036212.D

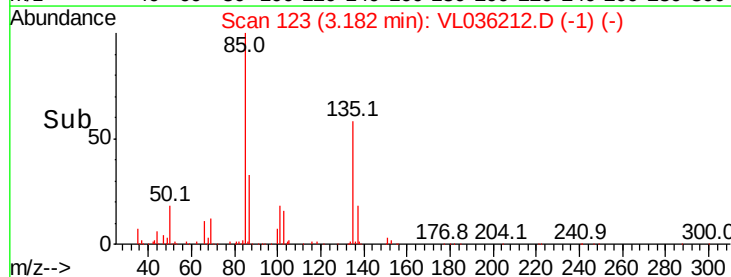
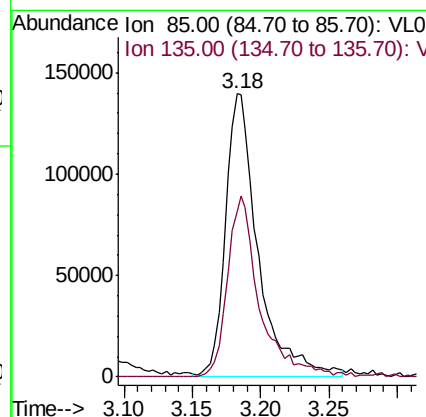
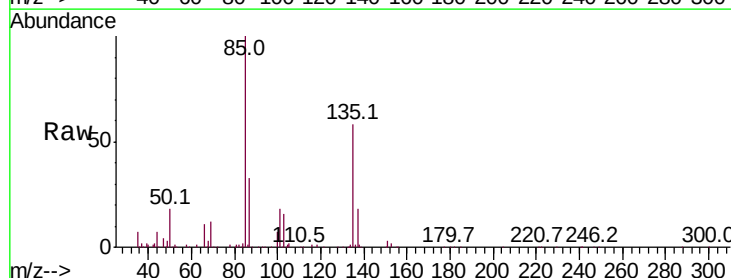
Acq: 13 Jan 2021 3:54

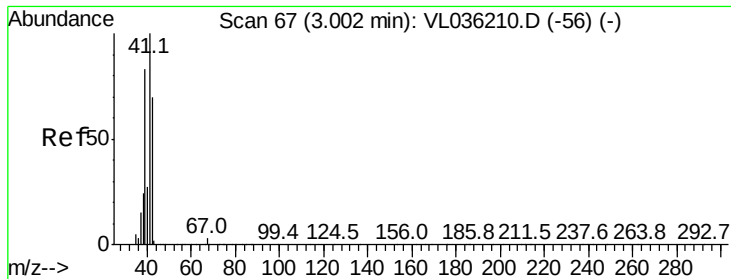
Tgt Ion: 85 Resp: 232404

Ion Ratio Lower Upper

85 100

135 64.2 51.5 77.3





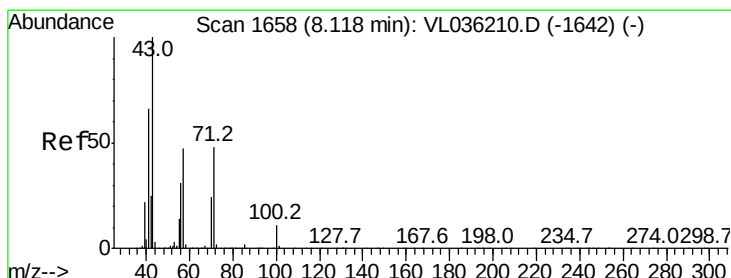
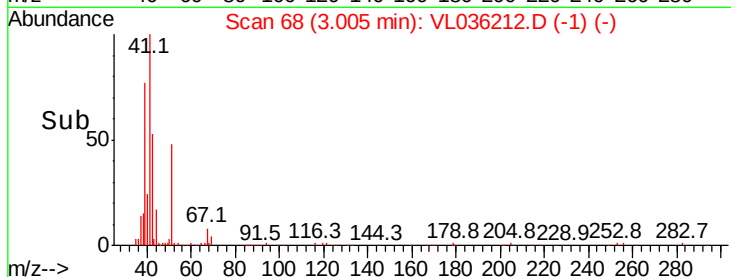
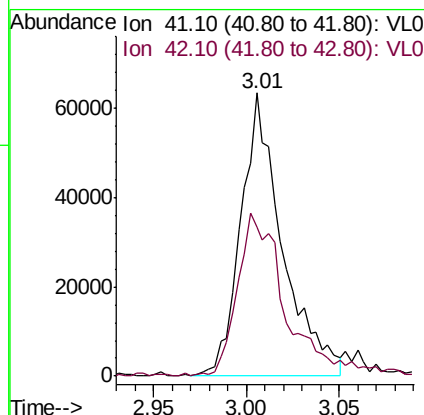
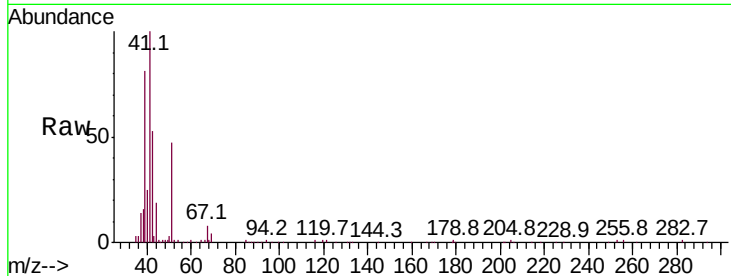
#9
Propene
Concen: 1.083 ppbv
RT: 3.01 min Scan# 68
Delta R.T. 0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 41 Resp: 98079
Ion Ratio Lower Upper
41 100
42 68.5 57.1 85.7

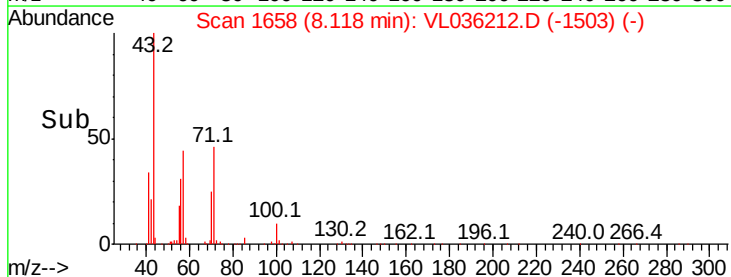
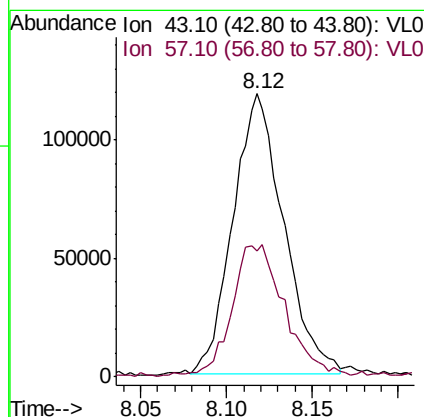
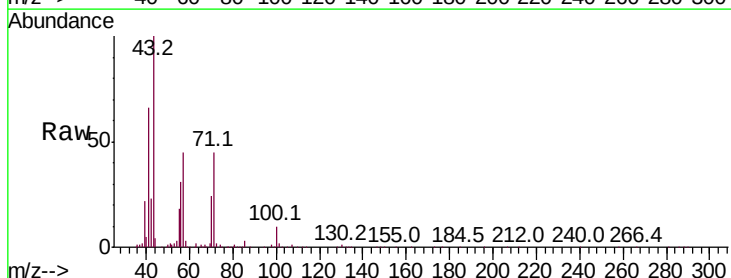
Manual Integrations
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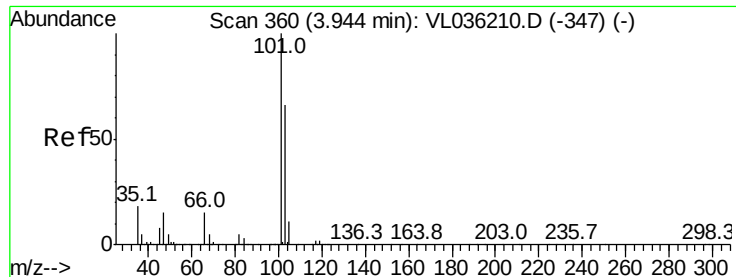
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#10
Heptane
Concen: 1.047 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. -0.00 min
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Tgt Ion: 43 Resp: 241921
Ion Ratio Lower Upper
43 100
57 50.8 38.1 57.1





#11

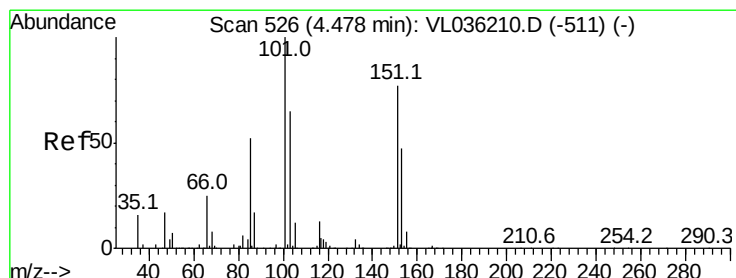
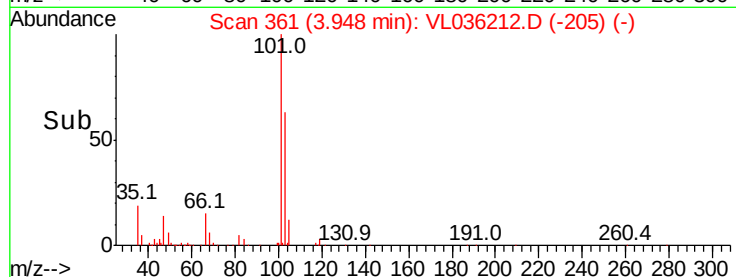
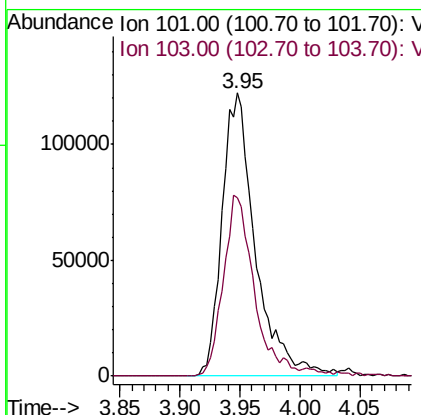
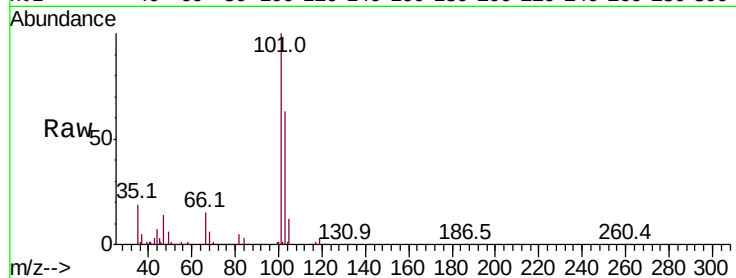
Trichlorofluoromethane
Concen: 1.104 ppbv m
RT: 3.95 min Scan# 361
Delta R.T. 0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
101	100	237205		
103	62.9	52.6	78.8	

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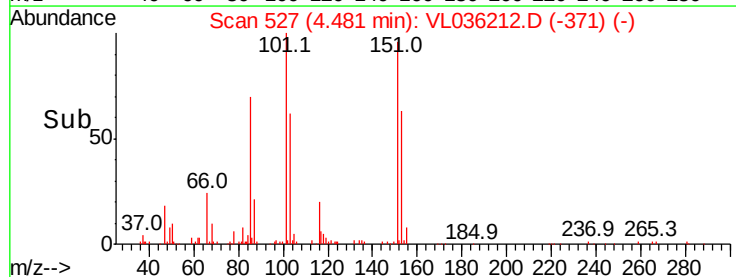
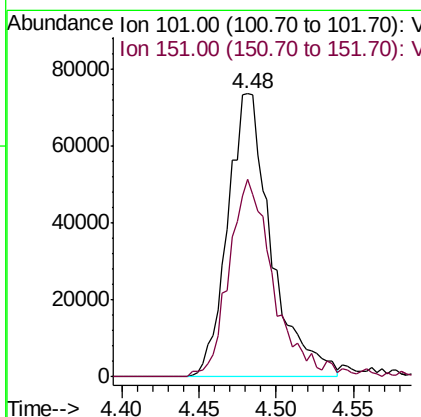
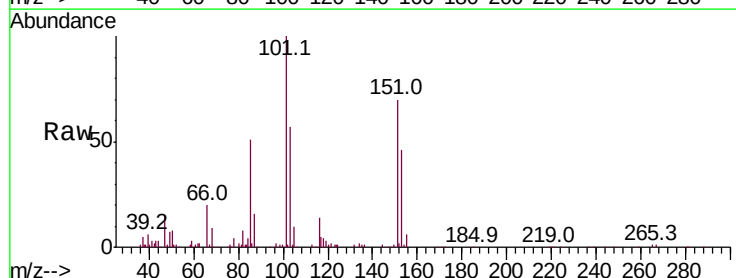
MMDadoda
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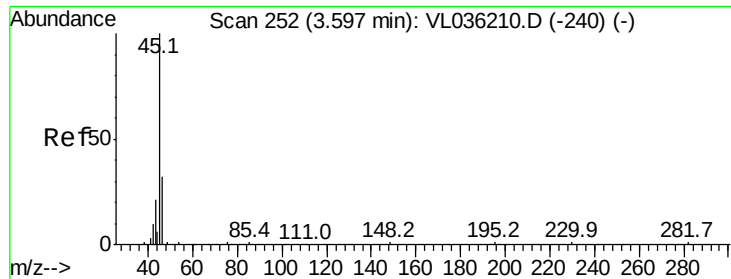


#12

1,1,2-Trichlorotrifluoroethane
Concen: 1.008 ppbv
RT: 4.48 min Scan# 527
Delta R.T. 0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	144563		
151	73.1	59.8	89.6	





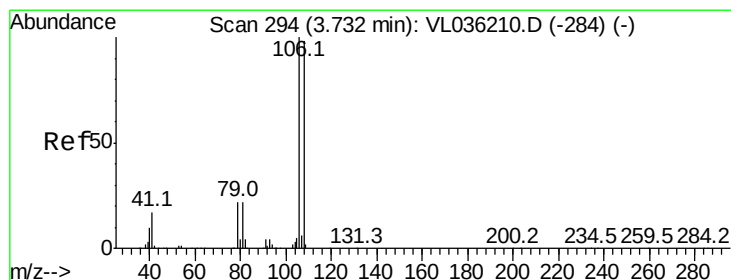
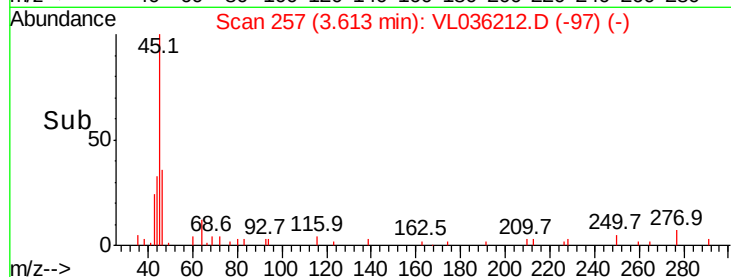
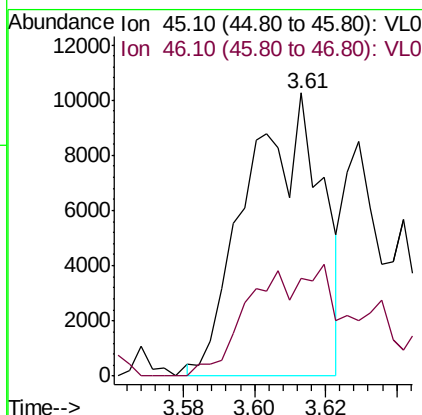
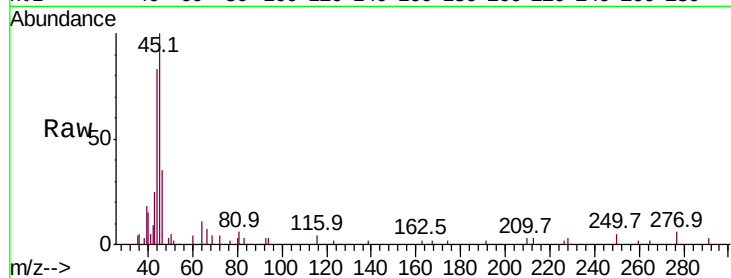
#13
Ethanol
Concen: 1.199 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. 0.02 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 15038
Ion Ratio Lower Upper
45 100
46 69.8 19.2 77.0

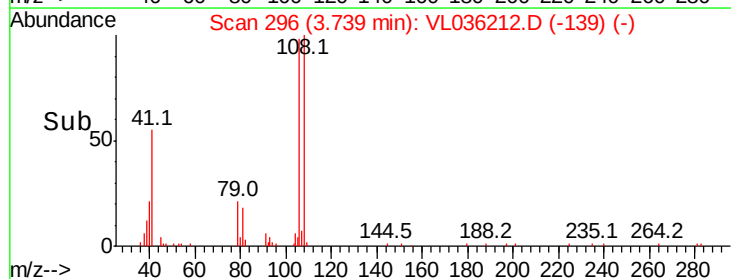
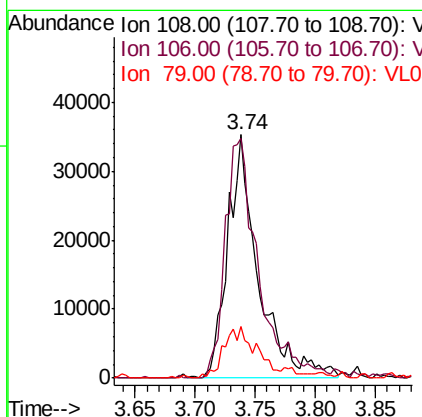
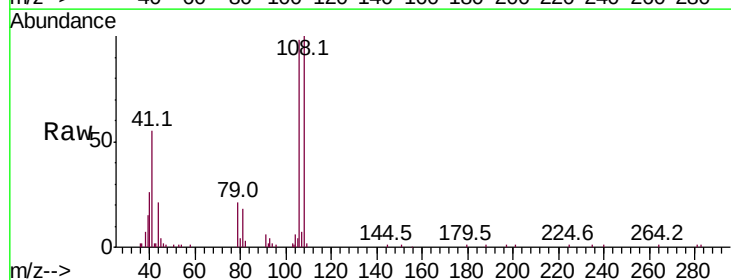
Manual Integrations
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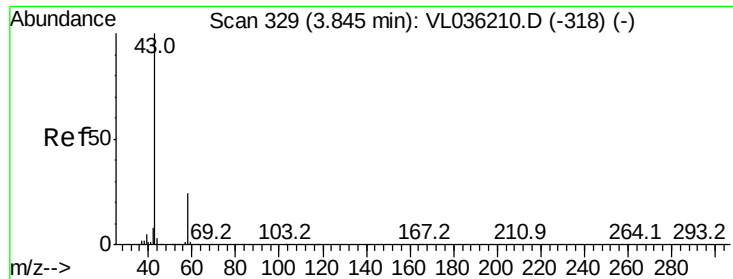
MMDadoda
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#14
Bromoethene
Concen: 1.054 ppbv m
RT: 3.74 min Scan# 296
Delta R.T. 0.01 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion: 108 Resp: 62644
Ion Ratio Lower Upper
108 100
106 107.5 91.4 137.2
79 26.2 18.3 27.5





#15

Acetone

Concen: 1.077 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 203334

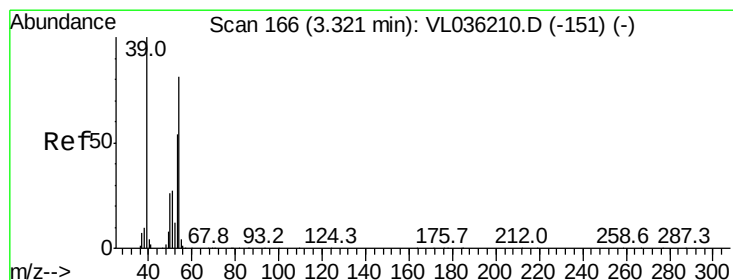
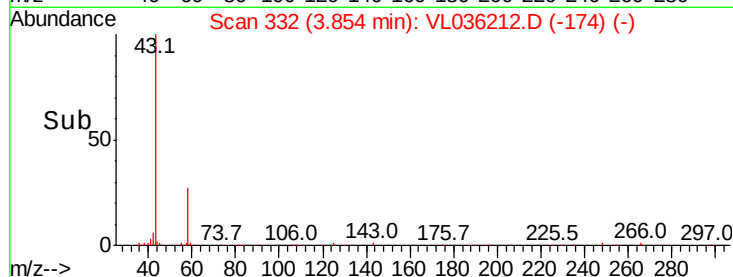
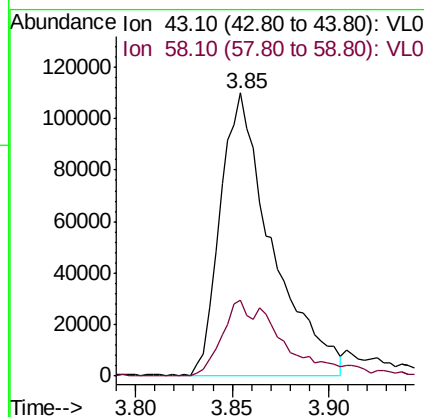
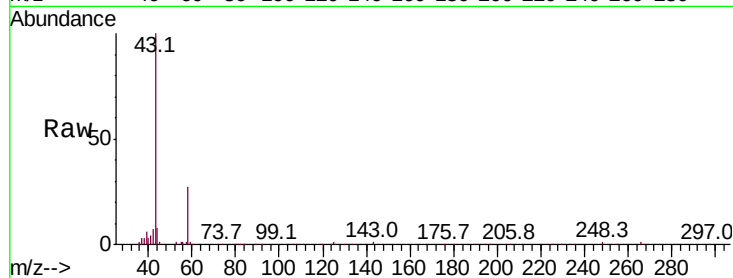
Ion Ratio Lower Upper

43 100

58 32.4 20.9 31.3#

Manual Integrations
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#16

1,3-Butadiene

Concen: 1.073 ppbv m

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL036212.D

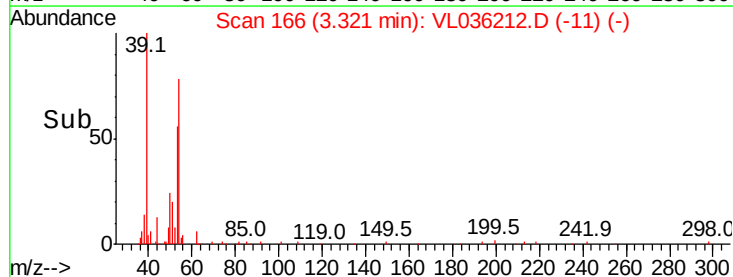
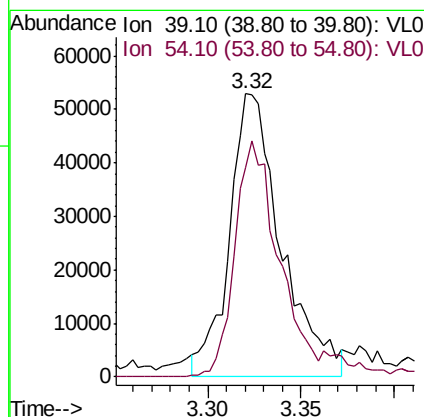
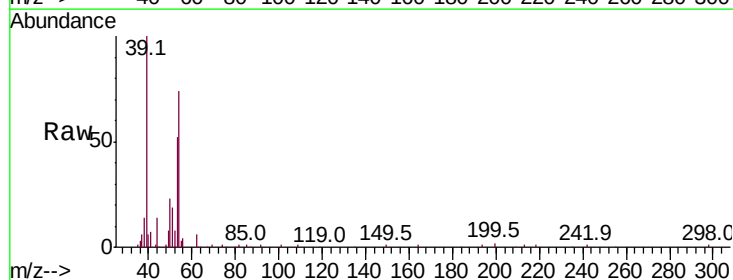
Acq: 13 Jan 2021 3:54

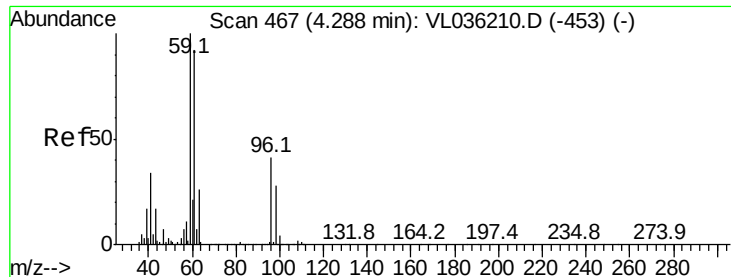
Tgt Ion: 39 Resp: 102316

Ion Ratio Lower Upper

39 100

54 75.1 62.5 93.7





#17

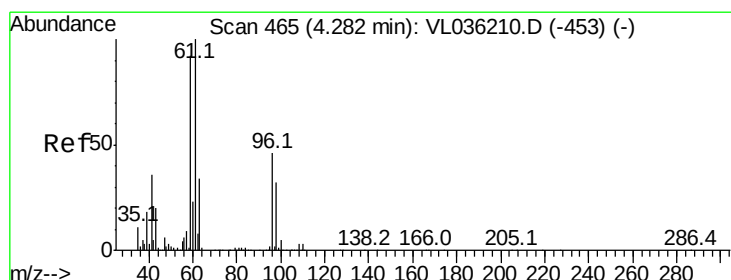
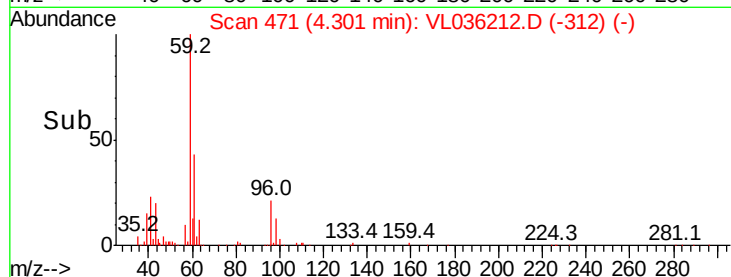
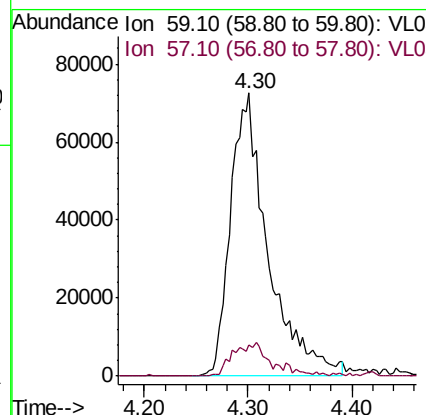
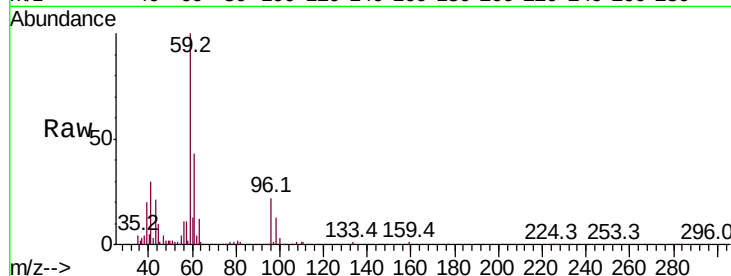
tert-Butyl alcohol
Concen: 1.025 ppbv m
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	59	Resp	182188
Ion Ratio	100	Lower	Upper
57	12.7	9.2	13.8

Manual Integrations
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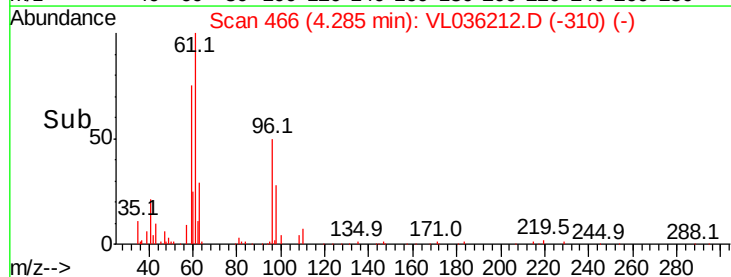
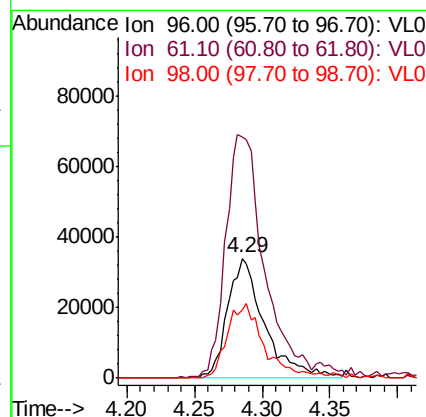
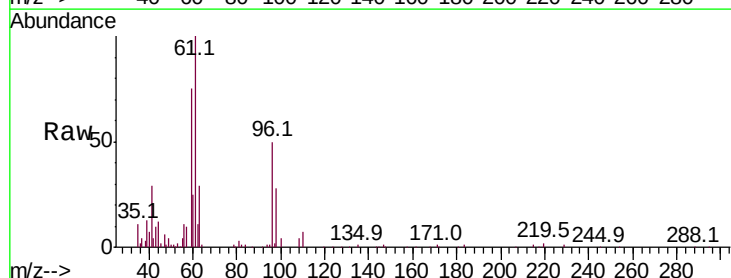
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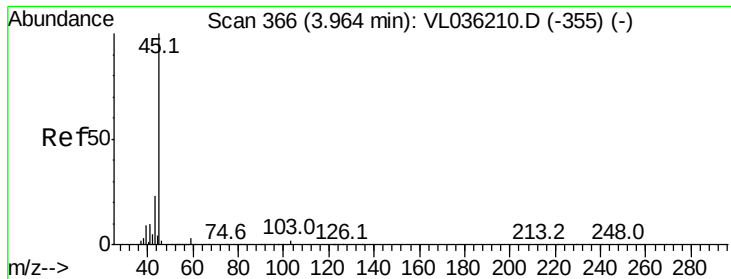


#18

1,1-Dichloroethene
Concen: 1.014 ppbv m
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion	96	Resp	64576
Ion Ratio	100	Lower	Upper
61	201.3	173.4	260.0
98	56.6	54.9	82.3





#19

Isopropyl Alcohol

Concen: 1.153 ppbv m

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 133061

Ion Ratio Lower Upper

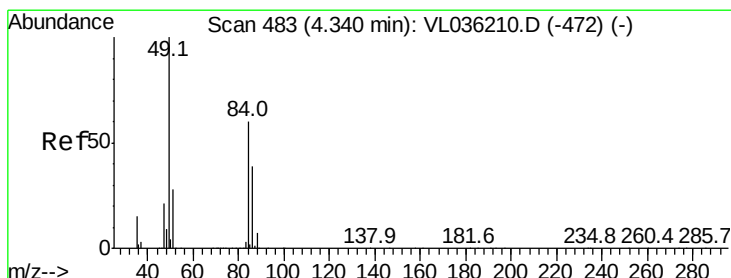
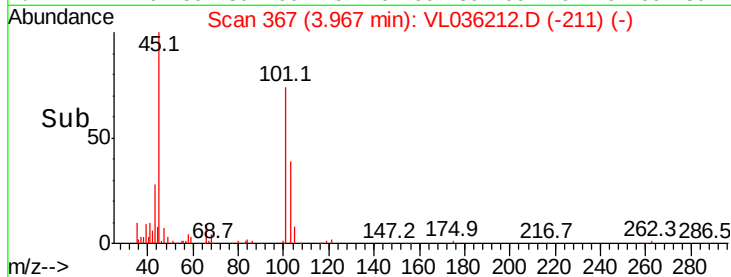
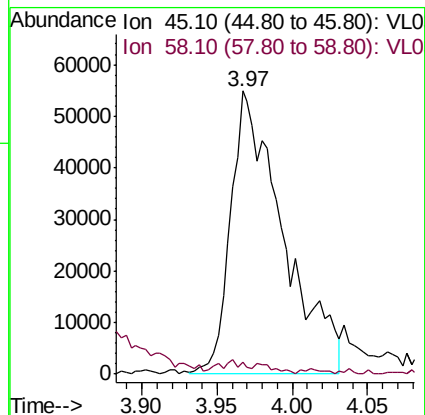
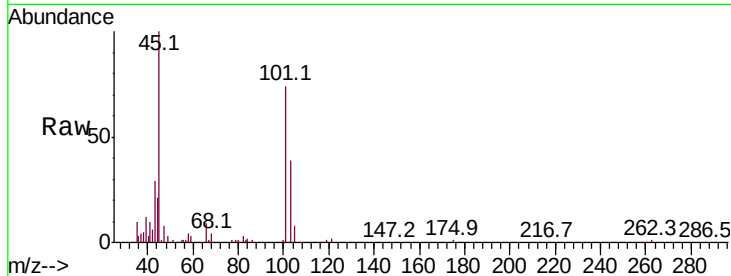
45 100

58 3.7 1.9 2.9#

Manual Integrations
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#20

Methylene Chloride

Concen: 0.964 ppbv m

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion: 84 Resp: 72913

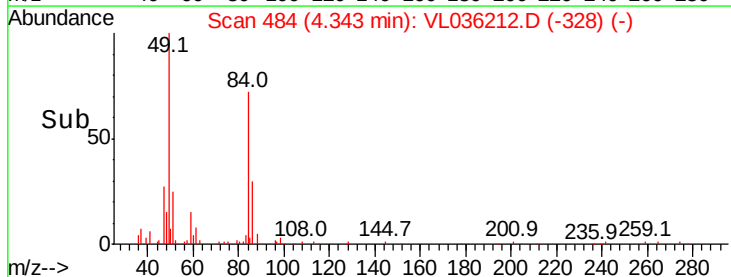
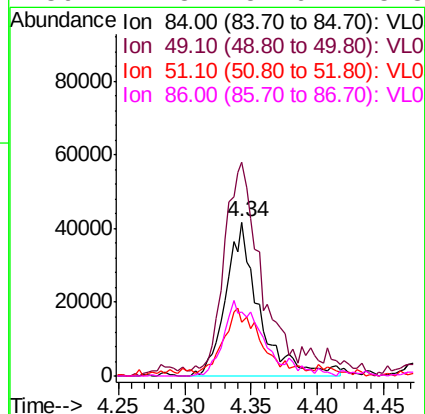
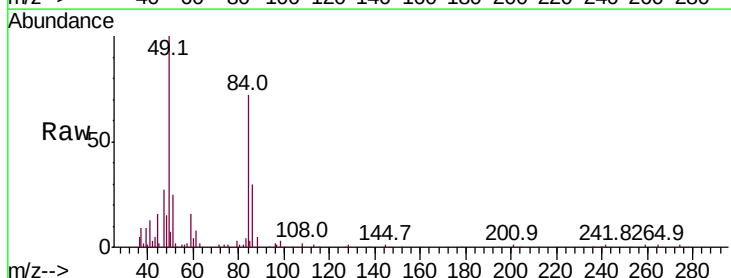
Ion Ratio Lower Upper

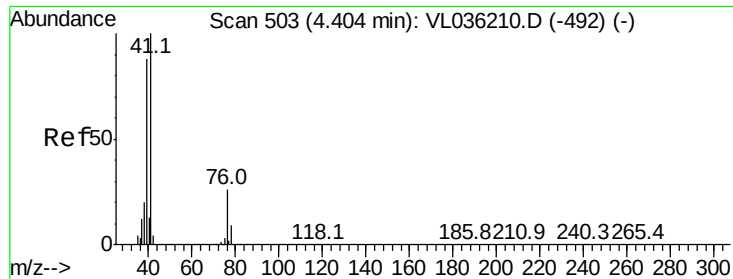
84 100

49 138.5 134.1 201.1

51 35.2 37.4 56.0#

86 41.8 52.6 78.8#





#21

Allvl Chloride

Concen: 0.931 ppbv m

RT: 4.41 min Scan# 505

Delta R.T. 0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

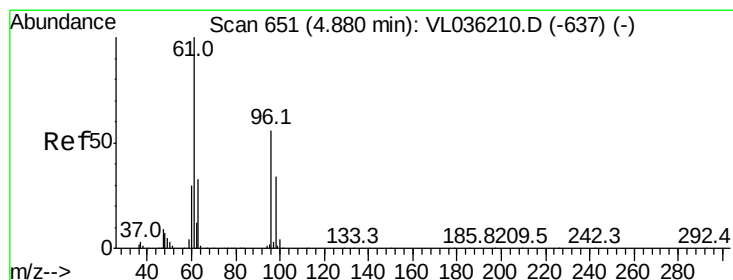
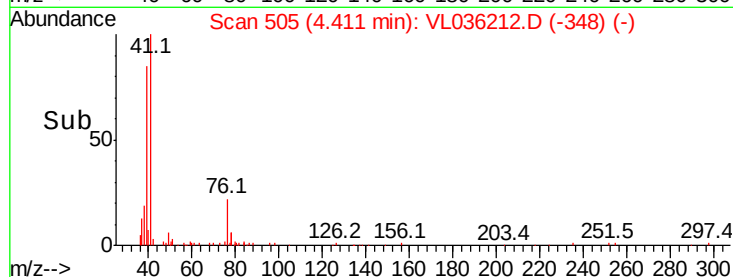
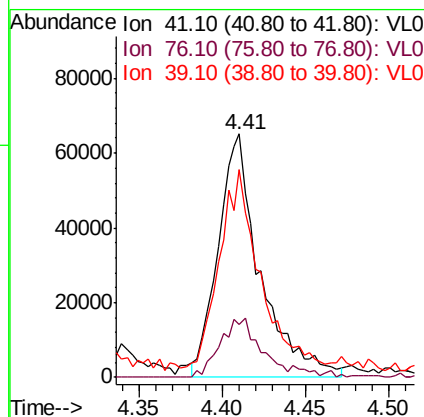
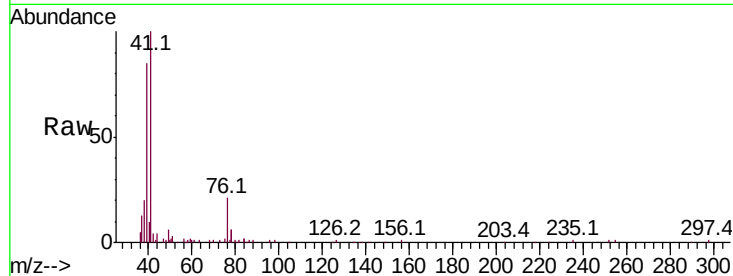
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	114039
Ion	Ratio	Lower	Upper
41	100		
76	26.4	20.5	30.7
39	86.2	67.8	101.8

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 0.951 ppbv m

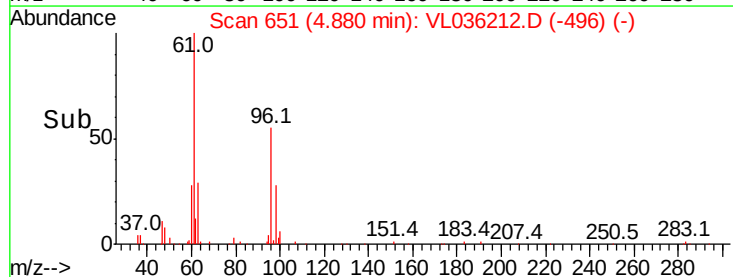
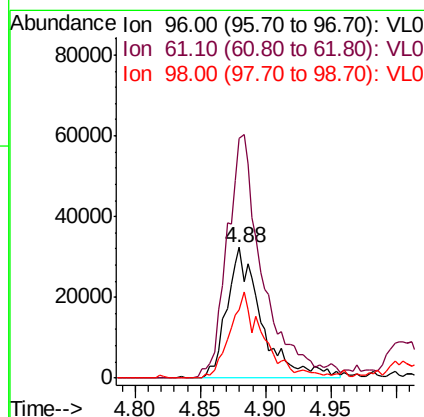
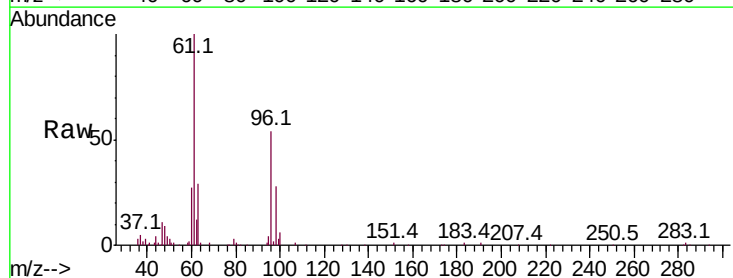
RT: 4.88 min Scan# 651

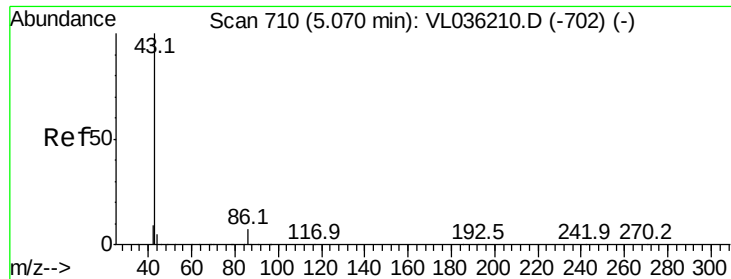
Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion:	96	Resp:	60260
Ion	Ratio	Lower	Upper
96	100		
61	183.7	142.7	214.1
98	52.3	48.7	73.1





#23

Vinyl Acetate

Concen: 0.946 ppbv m

RT: 5.07 min Scan# 709

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

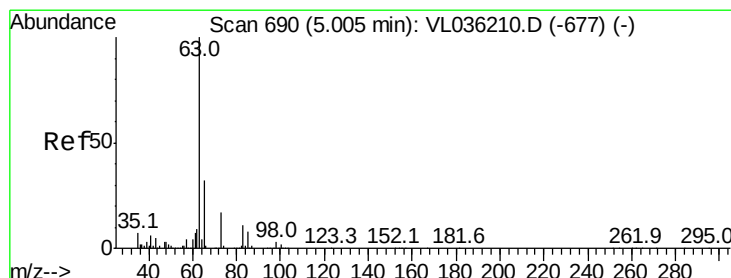
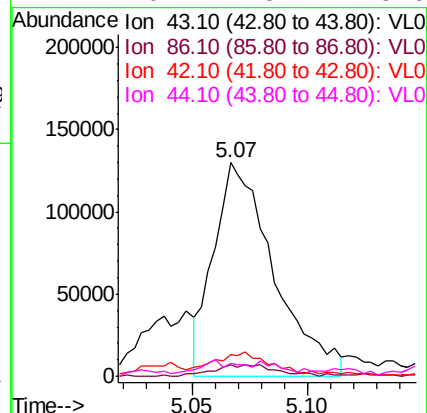
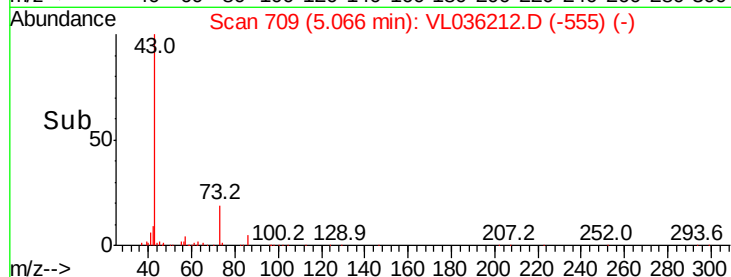
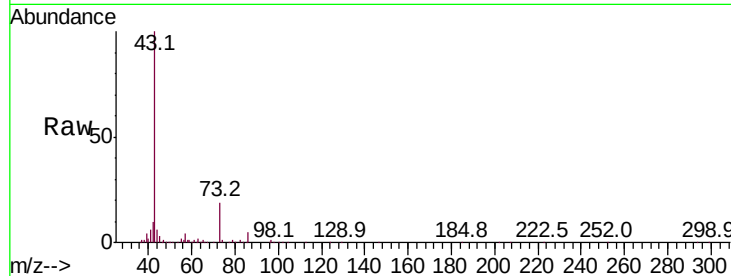
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
86	5.4	4.9	7.3
42	9.9	7.8	11.6
44	6.2	3.7	5.5#

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#24

1,1-Dichloroethane

Concen: 1.060 ppbv m

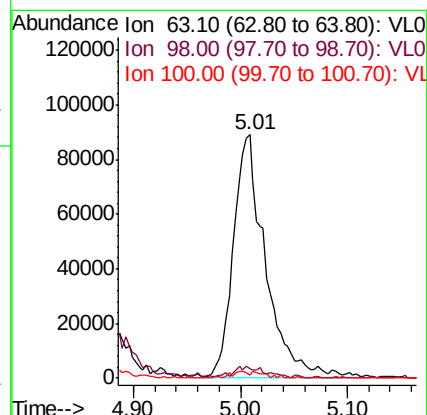
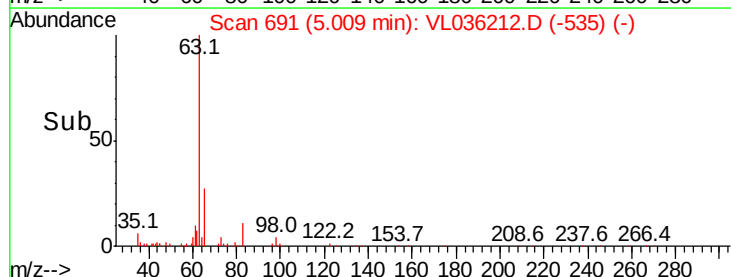
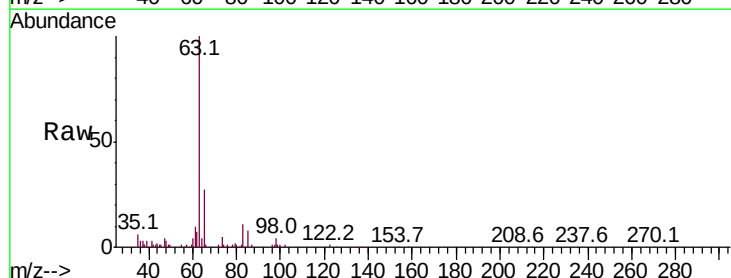
RT: 5.01 min Scan# 691

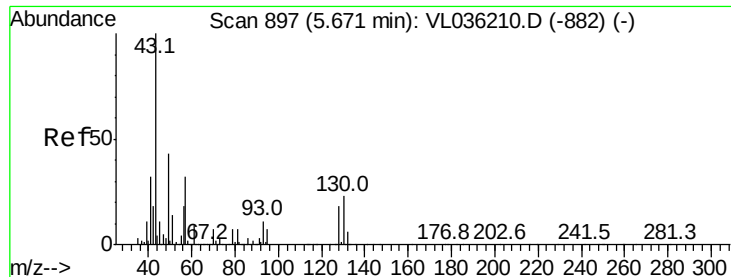
Delta R.T. 0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.9	1.7	5.1
100	1.4	1.1	3.1





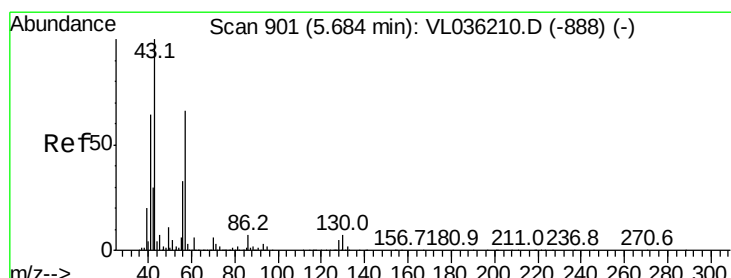
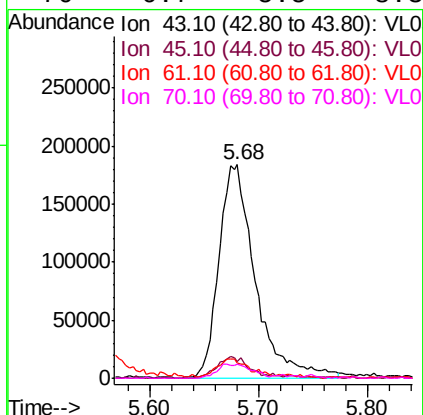
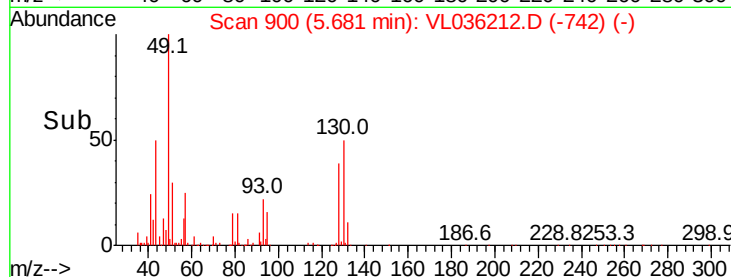
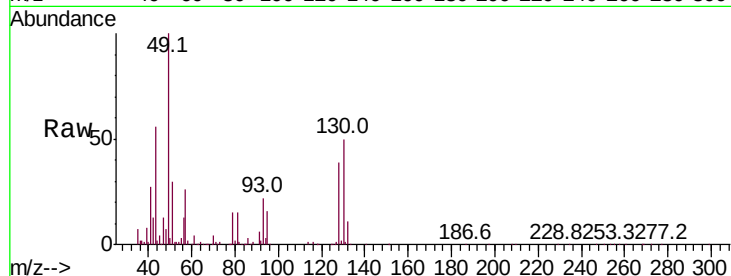
#25
Ethyl Acetate
Concen: 1.137 ppbv m
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	9.8	8.3	12.5		
61	9.3	7.4	11.2		
70	6.7	5.5	8.3		

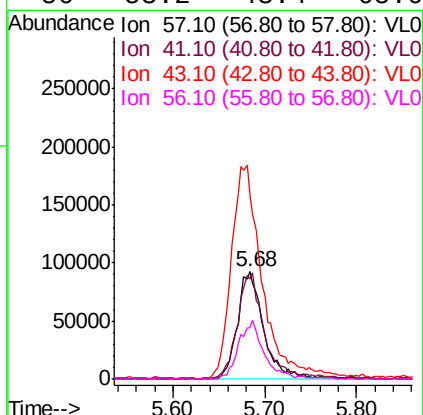
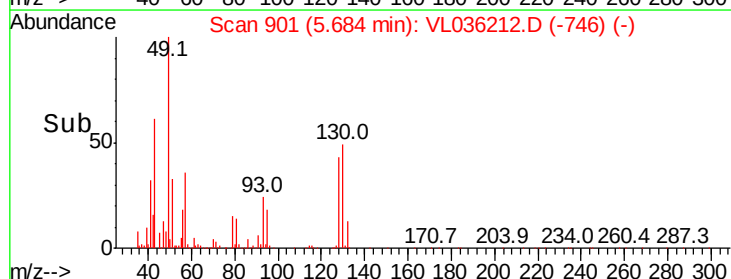
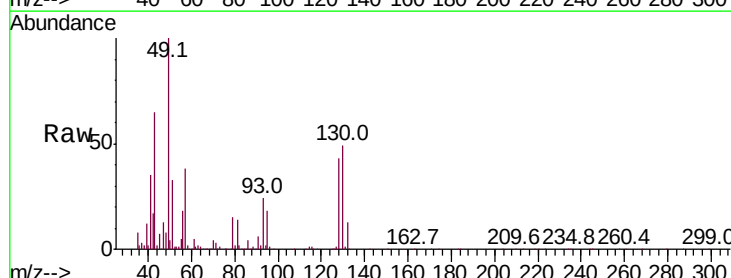
Manual Integrations
APPROVED

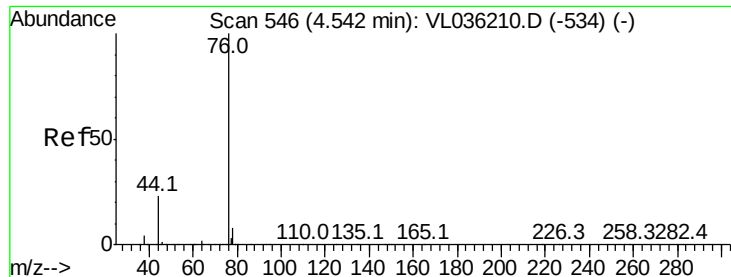
MMDadoda
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#26
Hexane
Concen: 1.081 ppbv m
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	102.5	83.0	124.6		
43	237.5	202.4	303.6		
56	53.2	43.4	65.0		





#27

Carbon Disulfide

Concen: 0.731 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL036212.D

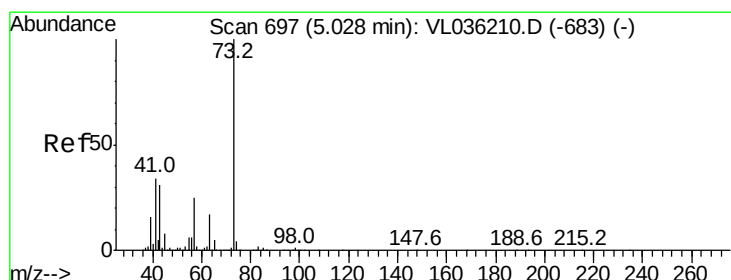
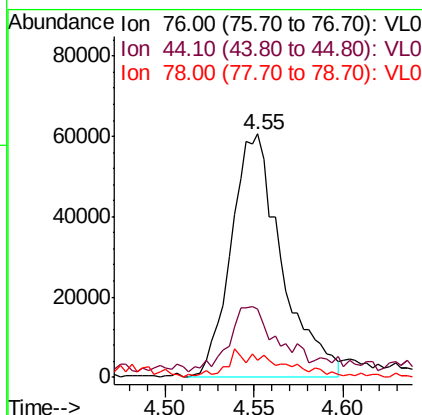
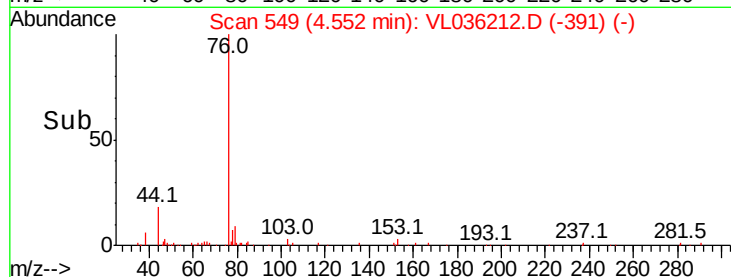
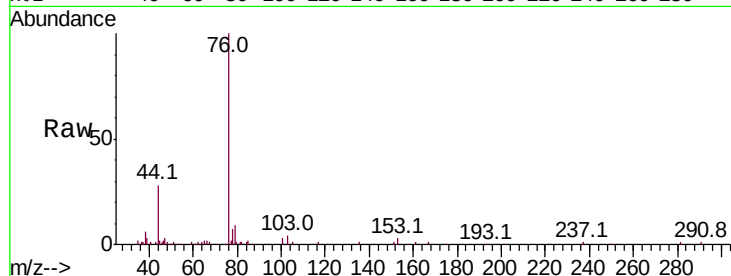
Acq: 13 Jan 2021 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
44	28.9	19.0	28.6#
78	11.9	8.0	12.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 0.961 ppbv

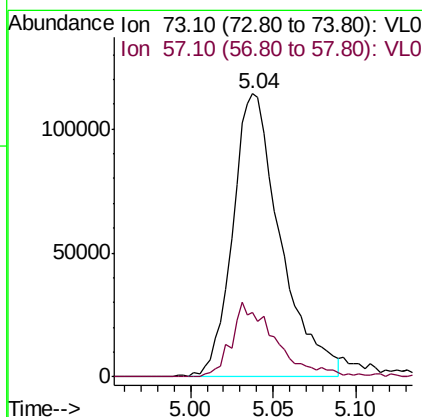
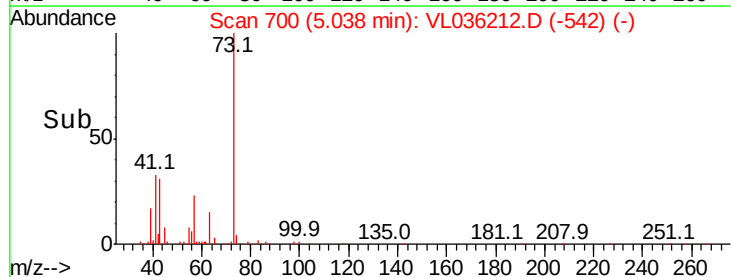
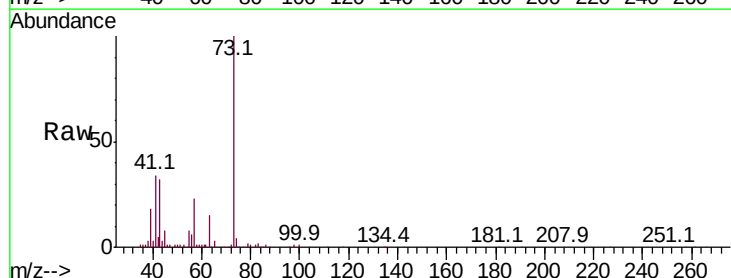
RT: 5.04 min Scan# 700

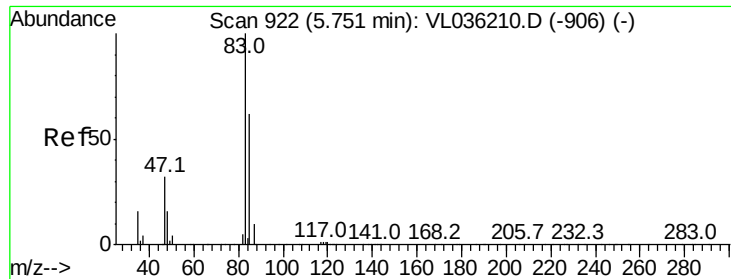
Delta R.T. 0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.9	20.4	30.6





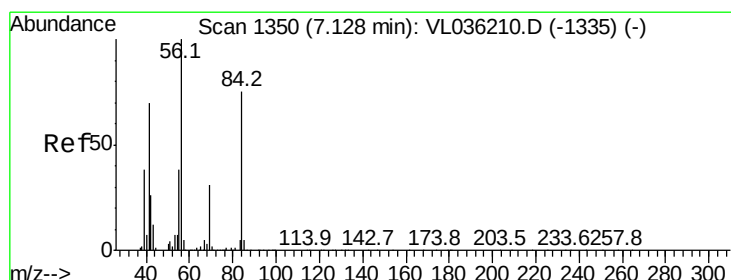
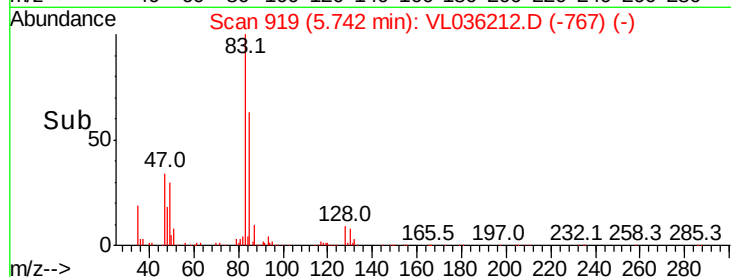
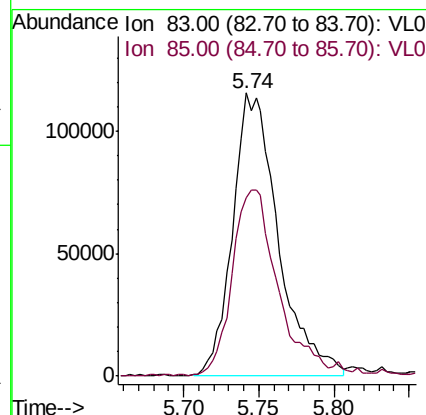
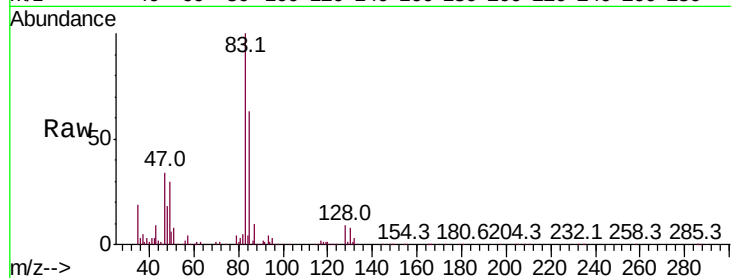
#29
Chloroform
Concen: 1.082 ppbv m
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.0	49.3	73.9

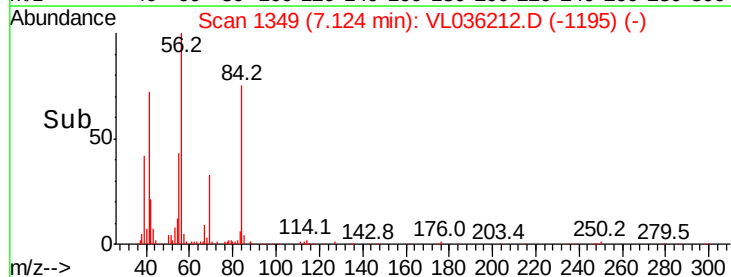
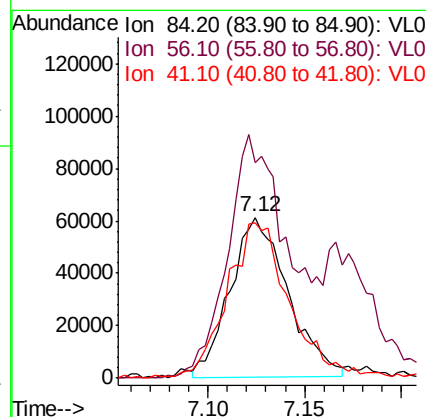
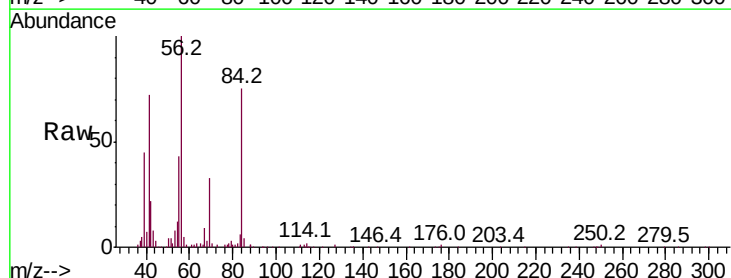
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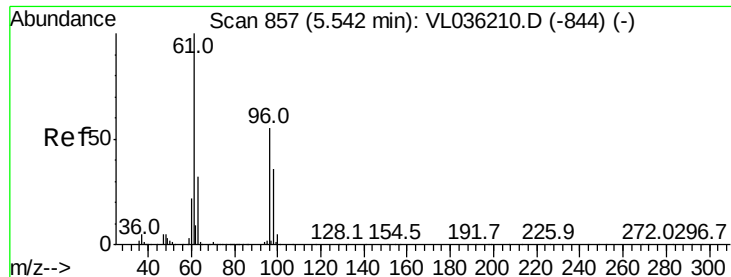
MMDadoda
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#30
Cyclohexane
Concen: 0.998 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	Lower	Upper
84	100		
56	160.3	119.4	179.0
41	105.2	79.4	119.0





#31

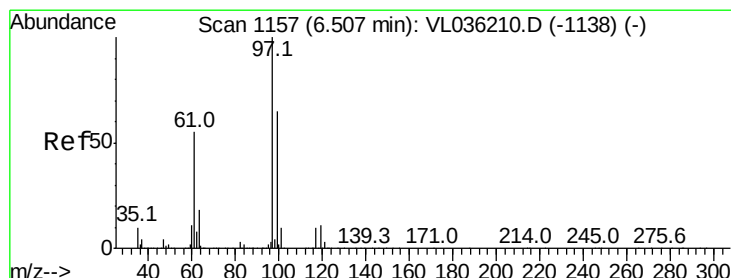
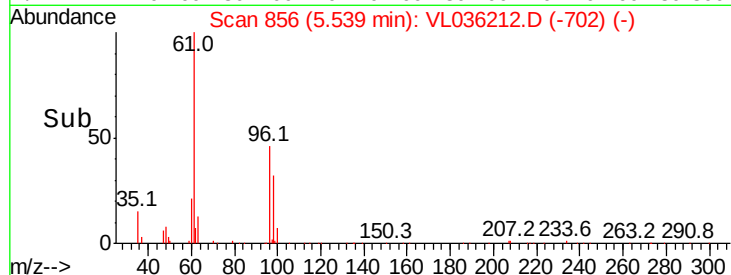
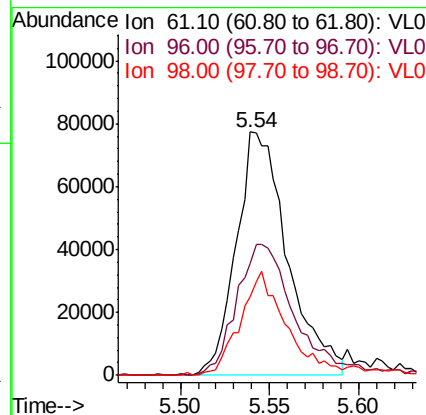
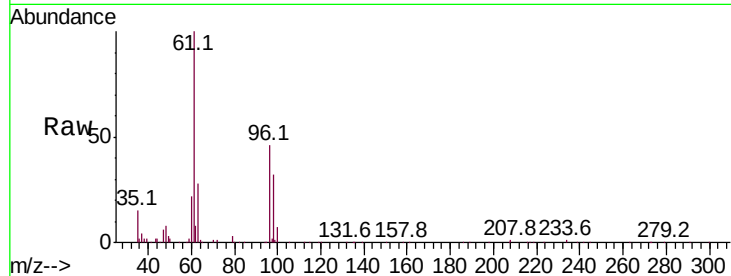
cis-1,2-Dichloroethene
Concen: 0.988 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
61	100		
96	45.7	44.1	66.1
98	32.2	28.6	42.8

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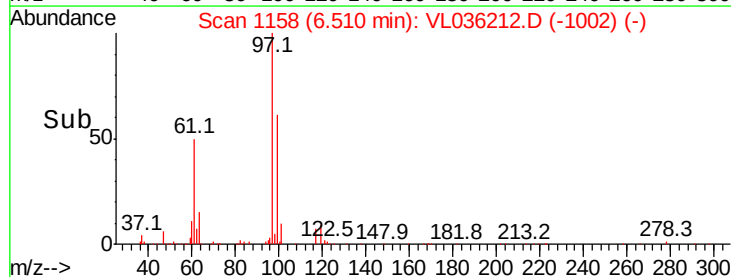
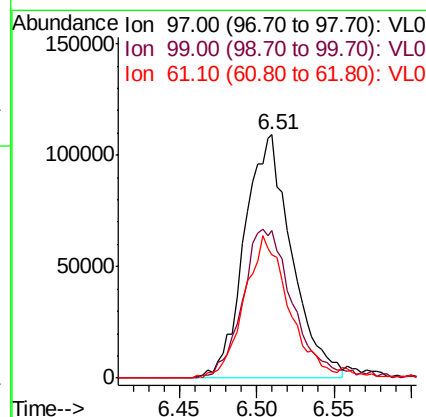
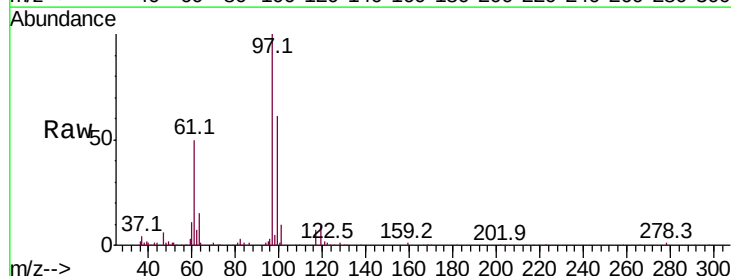
MMDadoda
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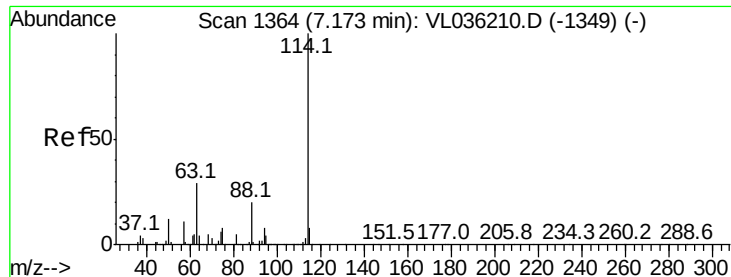


#32

1,1,1-Trichloroethane
Concen: 0.997 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. 0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.2	52.0	78.0
61	57.4	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: VL036212.D

Acq: 13 Jan 2021 3:54

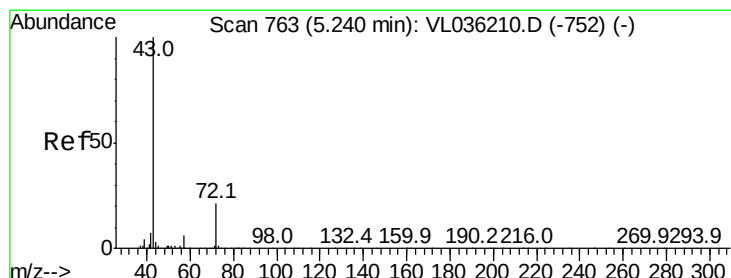
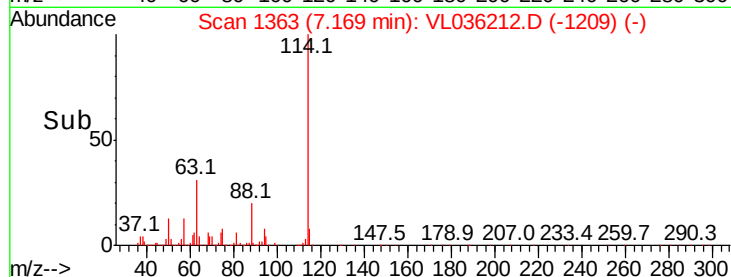
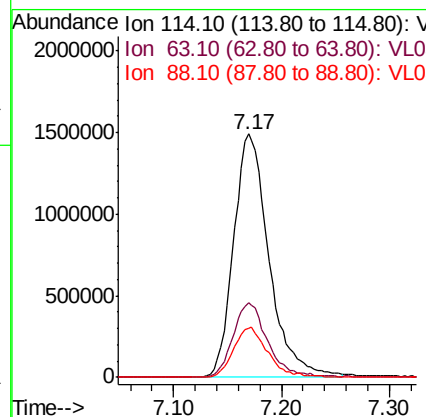
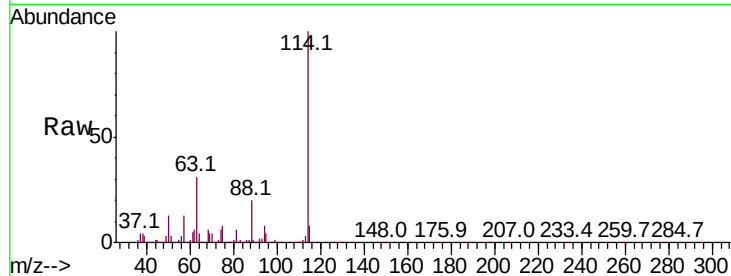
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.6	24.7	37.1
88	20.1	16.6	24.8

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#34

2-Butanone

Concen: 1.236 ppbv m

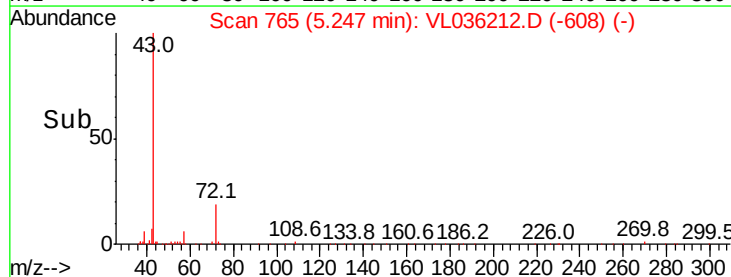
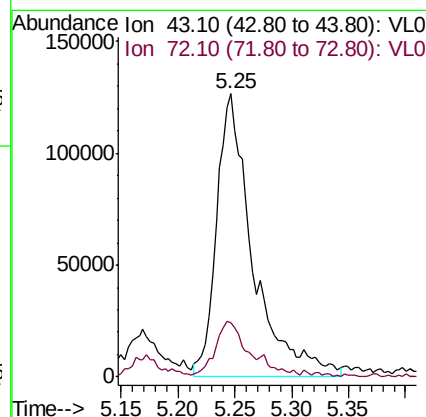
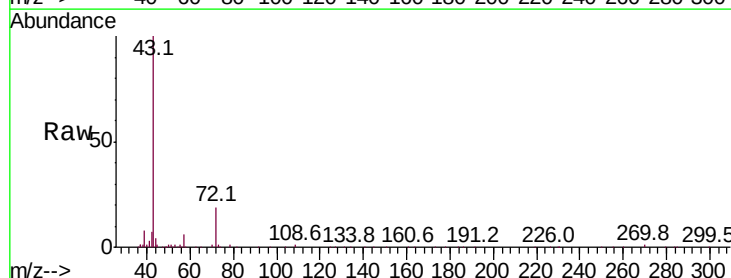
RT: 5.25 min Scan# 765

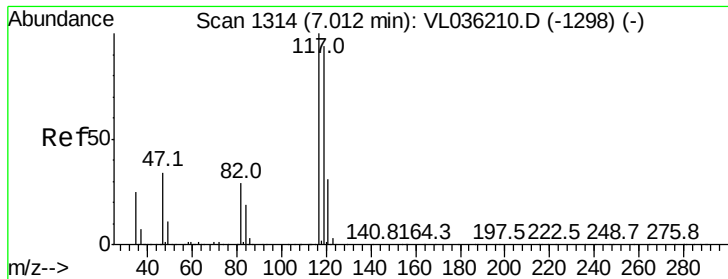
Delta R.T. 0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	Lower	Upper
43	100		
72	19.5	16.1	24.1





#35

Carbon Tetrachloride

Concen: 1.126 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

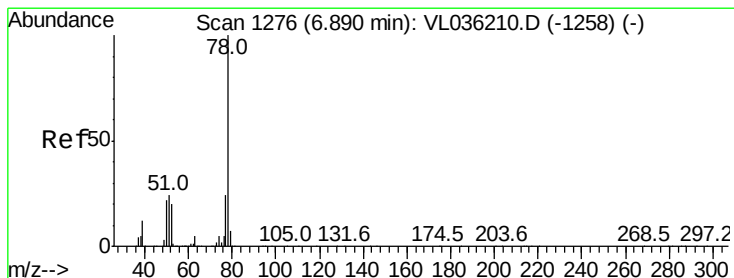
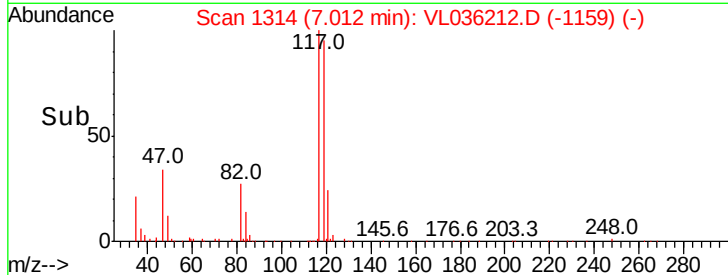
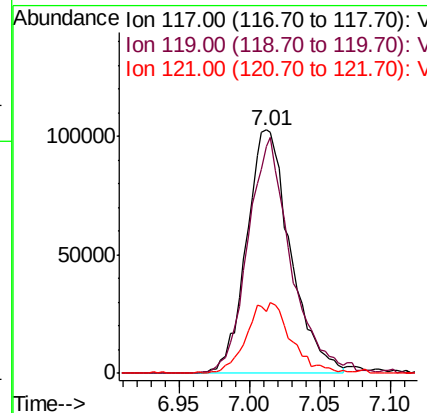
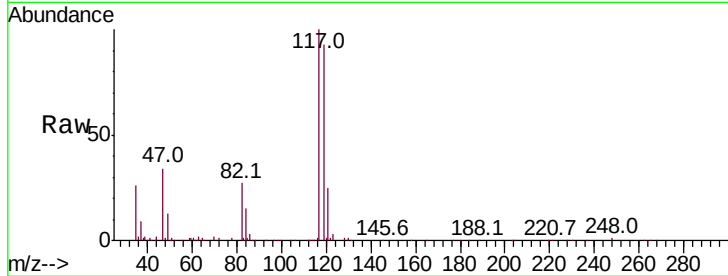
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	223603
Ion Ratio	Lower	Upper	
117	100		
119	93.5	74.9	112.3
121	25.4	25.0	37.6

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#36

Benzene

Concen: 1.171 ppbv

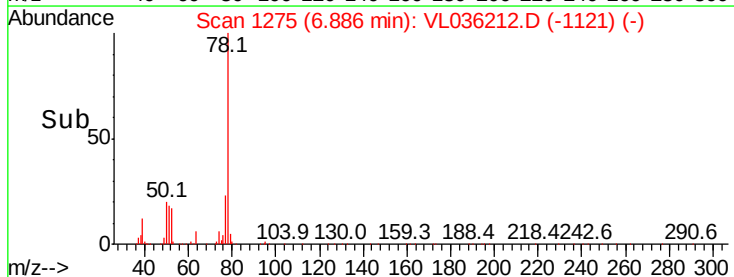
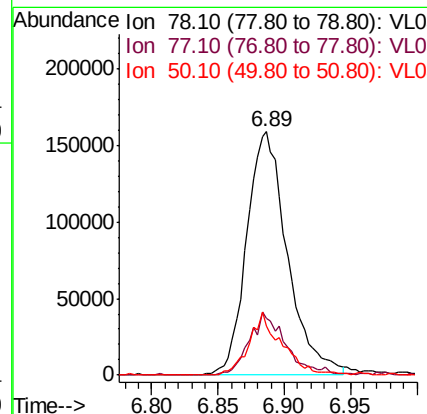
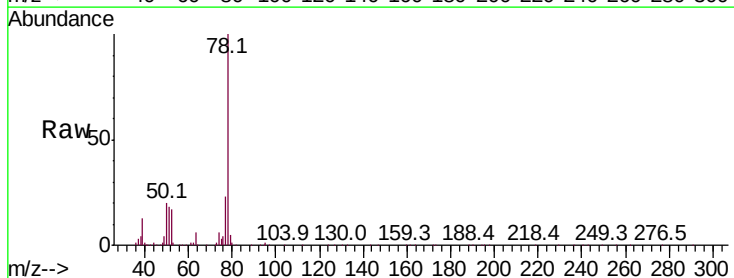
RT: 6.89 min Scan# 1275

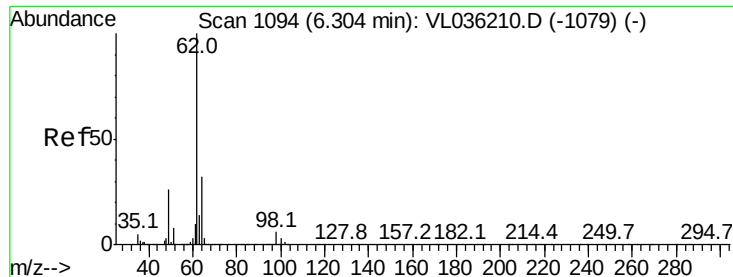
Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion:	78	Resp:	339463
Ion Ratio	Lower	Upper	
78	100		
77	22.9	19.4	29.0
50	20.3	17.4	26.2





#37

1,2-Dichloroethane

Concen: 1.170 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

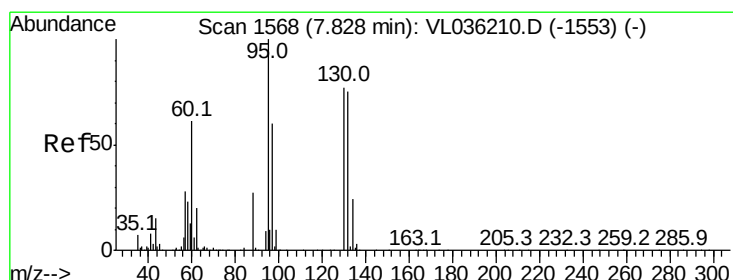
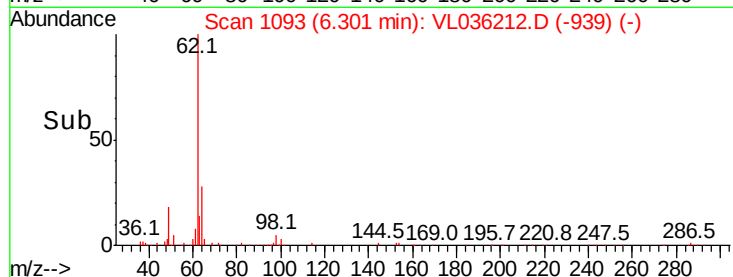
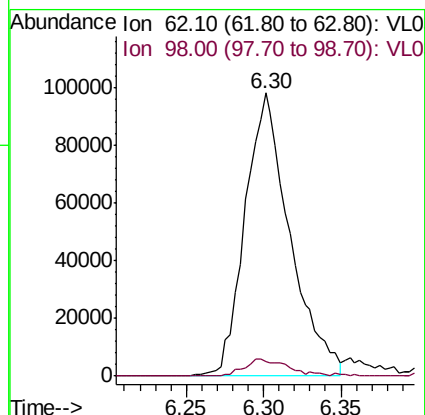
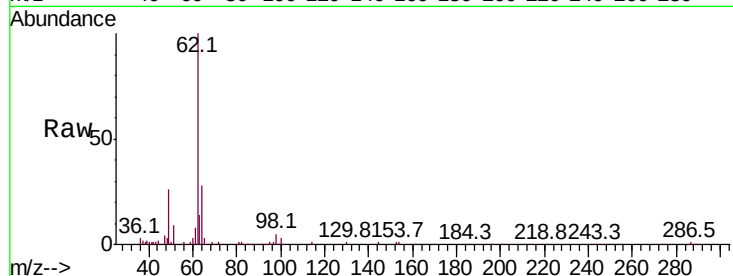
ClientSampleId :

VSTDIC001

Tot Ion:	62	Resp:	197746
Ion Ratio	Lower	Upper	
62	100		
98	6.3	4.4	6.6

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#38

Trichloroethene

Concen: 1.010 ppbv

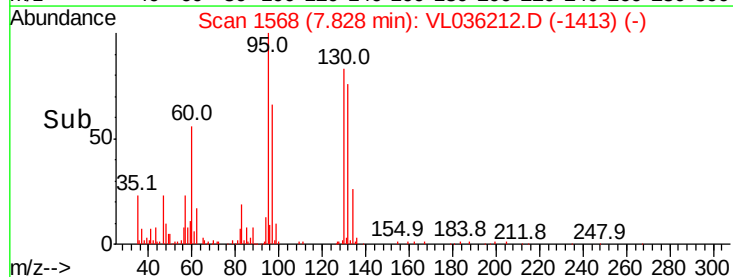
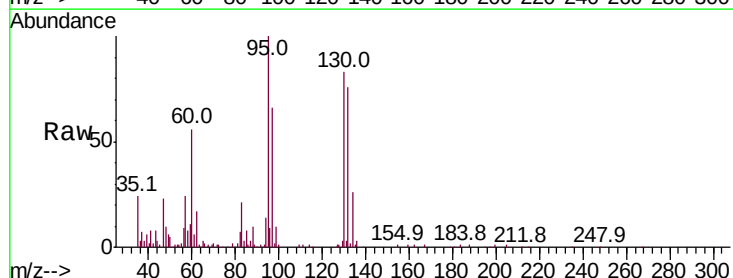
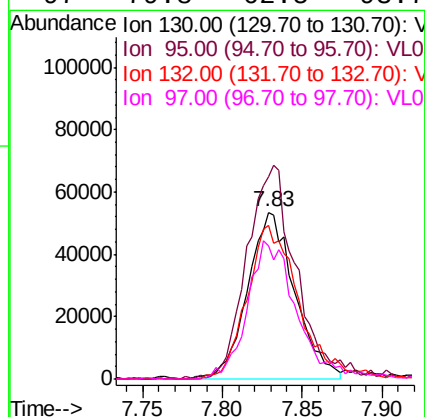
RT: 7.83 min Scan# 1568

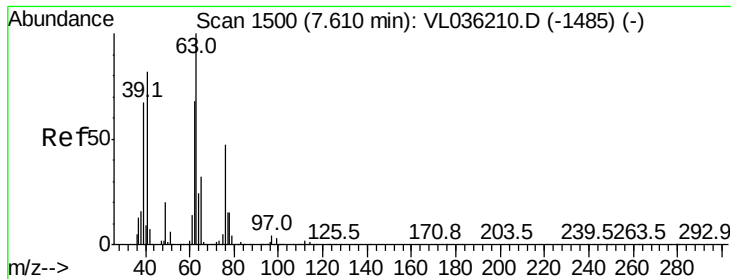
Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion:	130	Resp:	108128
Ion Ratio	Lower	Upper	
130	100		
95	120.7	103.9	155.9
132	92.3	77.4	116.2
97	79.8	62.5	93.7





#39

1,2-Dichloropropane

Concen: 1.160 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

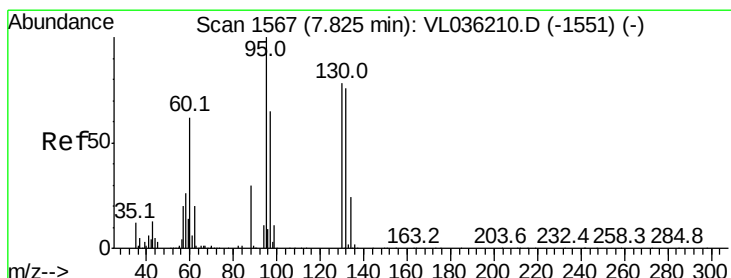
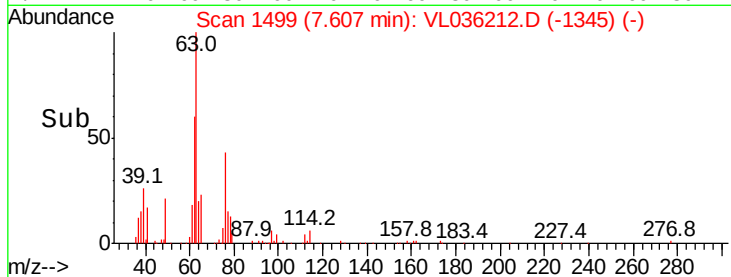
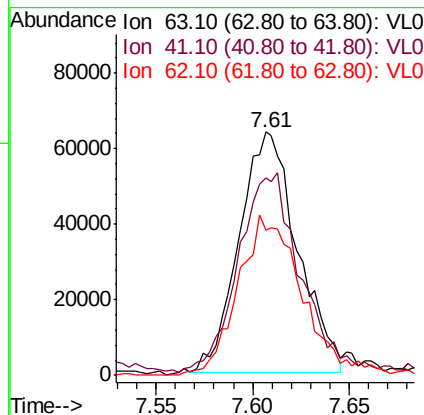
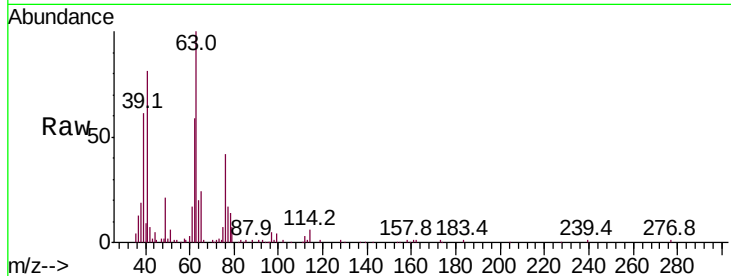
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	78.5	66.1	99.1
62	58.3	54.8	82.2

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#40

1,4-Dioxane

Concen: 1.562 ppbv m

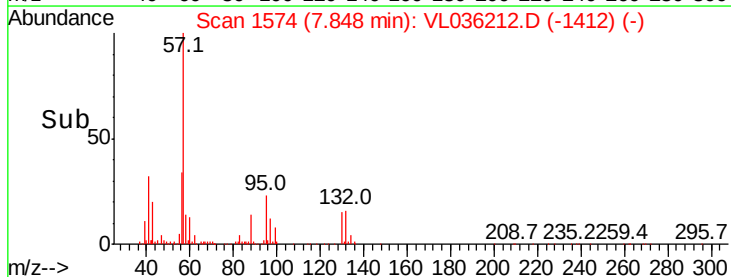
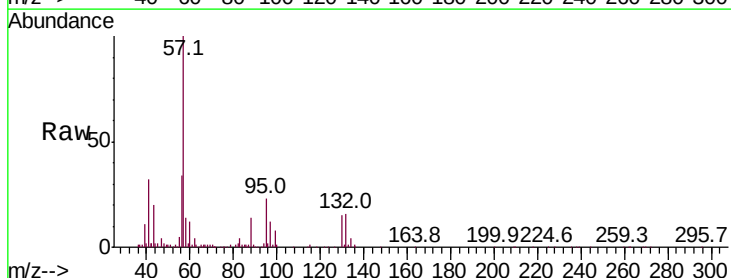
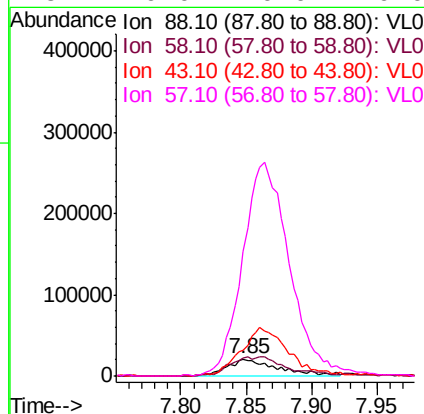
RT: 7.85 min Scan# 1574

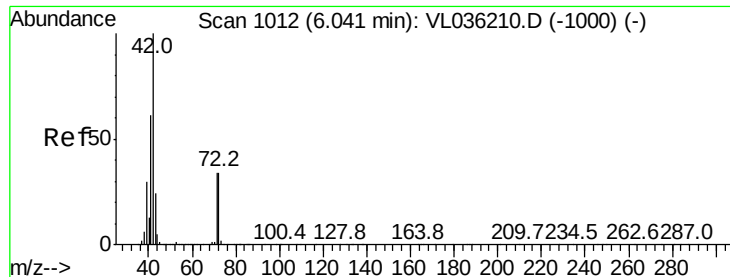
Delta R.T. 0.02 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	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





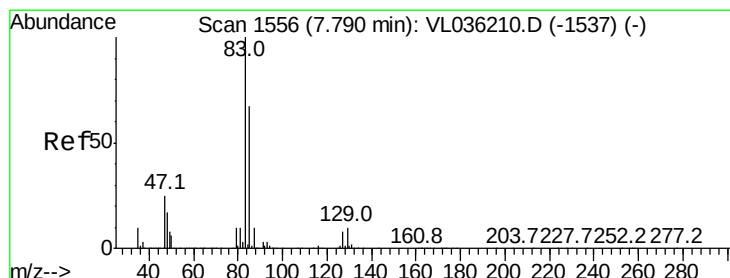
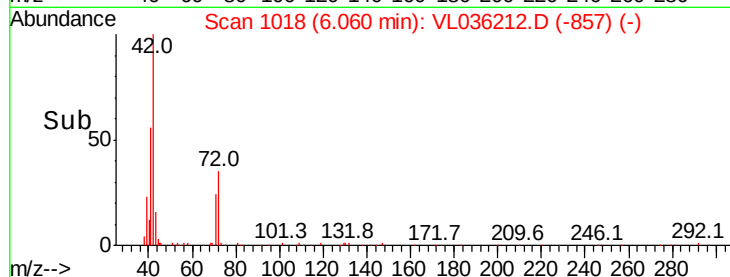
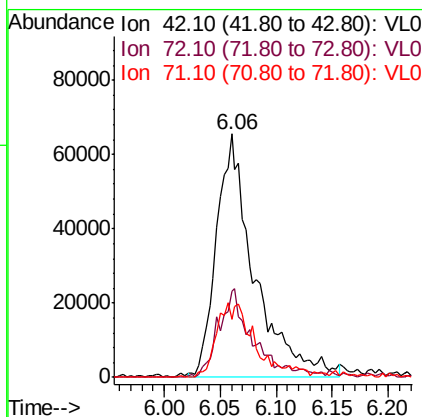
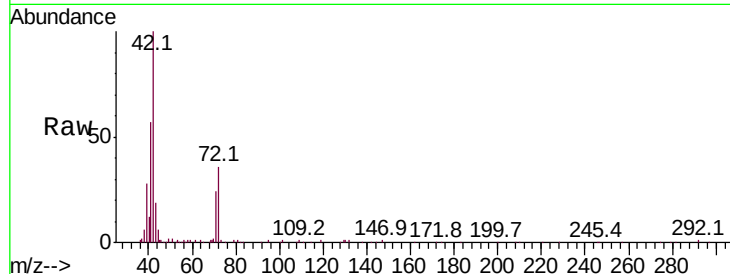
#41
Tetrahydrofuran
Concen: 1.149 ppbv m
RT: 6.06 min Scan# 1018
Delta R.T. 0.02 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.8	29.5	44.3
71	32.4	29.1	43.7

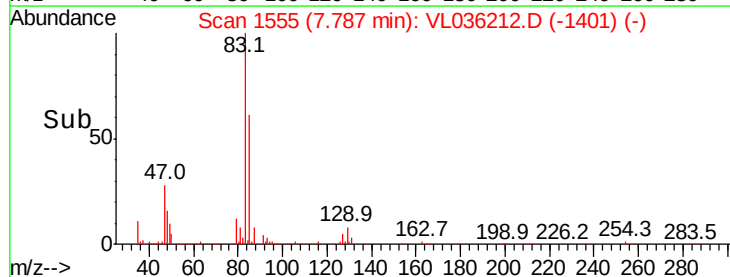
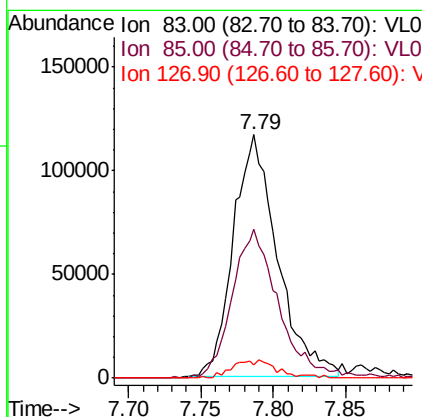
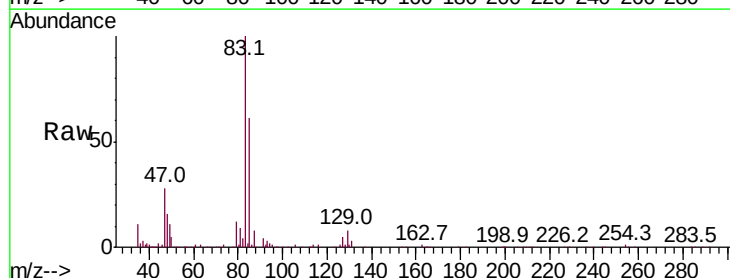
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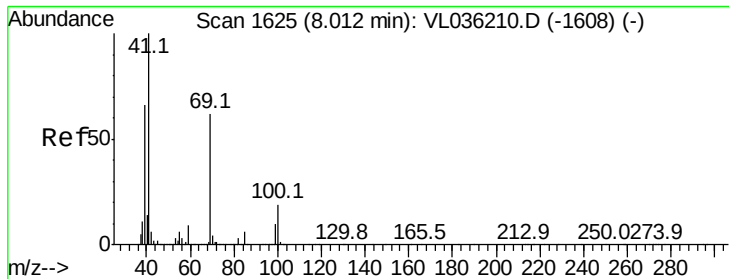
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#42
Bromodichloromethane
Concen: 1.110 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	53.4	80.2
127	5.5	6.2	9.2#





#43

Methyl Methacrylate

Concen: 1.100 ppbv m

RT: 8.01 min Scan# 1625

Delta R.T. -0.00 min

Lab File: VL036212.D

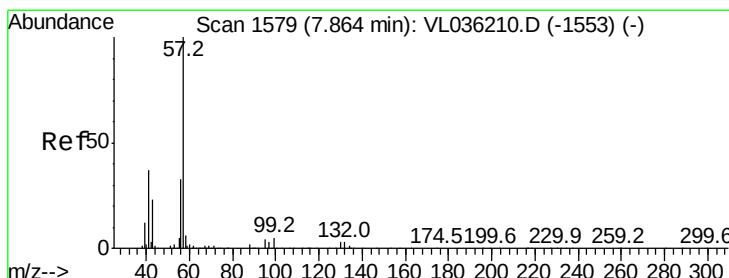
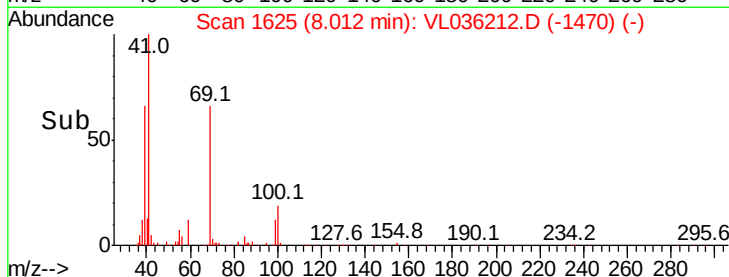
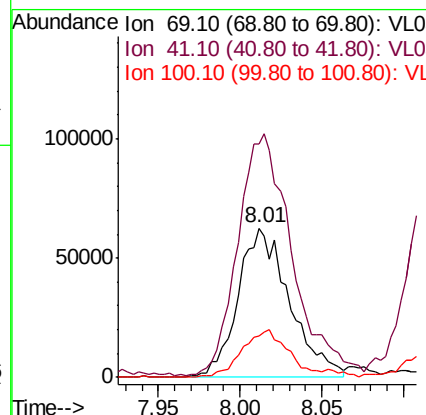
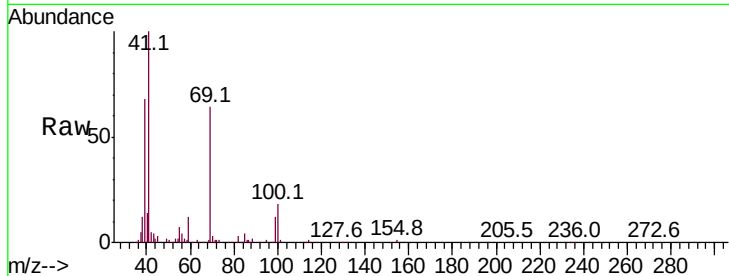
Acq: 13 Jan 2021 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	133.4	200.2#
100	0.0	24.3	36.5#

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#44

2,2,4-Trimethylpentane

Concen: 1.243 ppbv

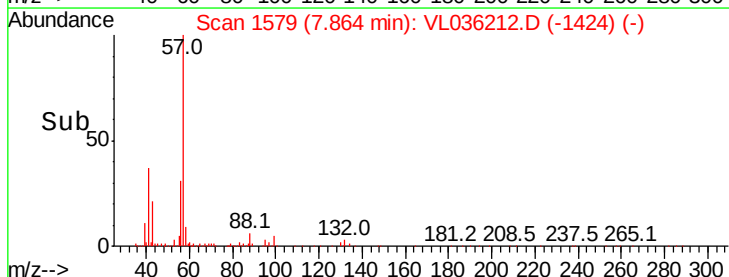
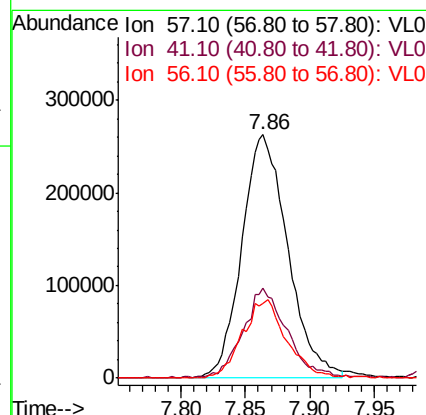
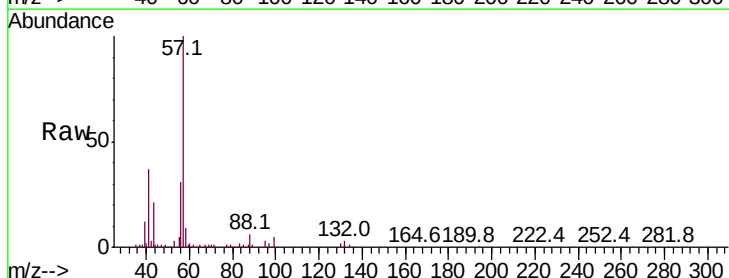
RT: 7.86 min Scan# 1579

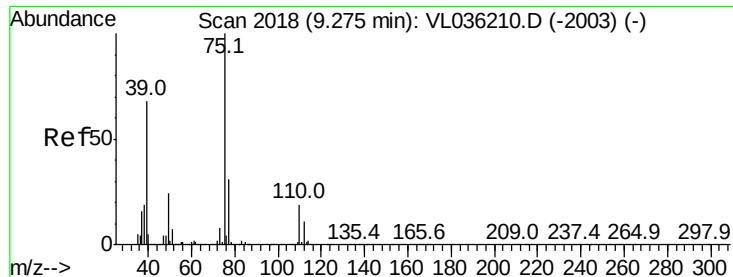
Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.4	28.5	42.7
56	31.6	25.5	38.3





#45

t-1,3-Dichloropropene

Concen: 0.907 ppbv m

RT: 9.27 min Scan# 2017

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 115373

Ion Ratio Lower Upper

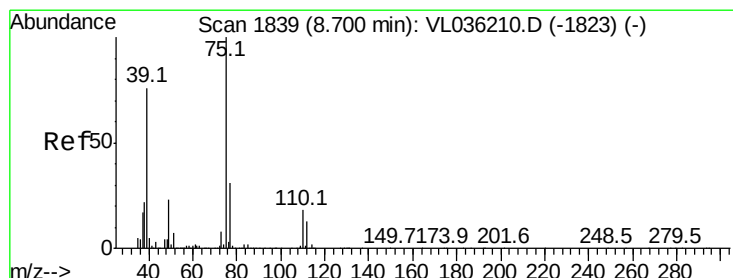
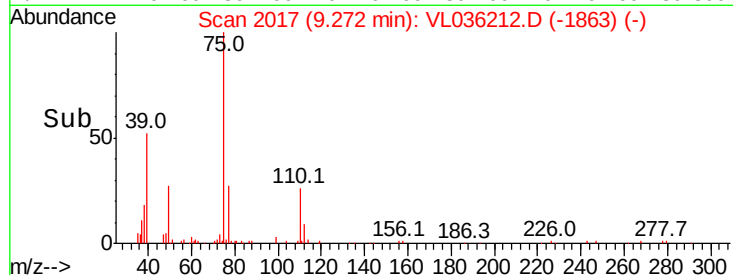
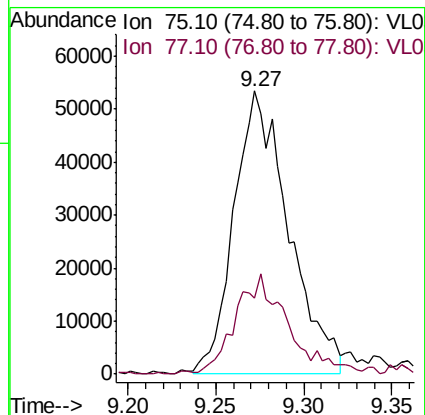
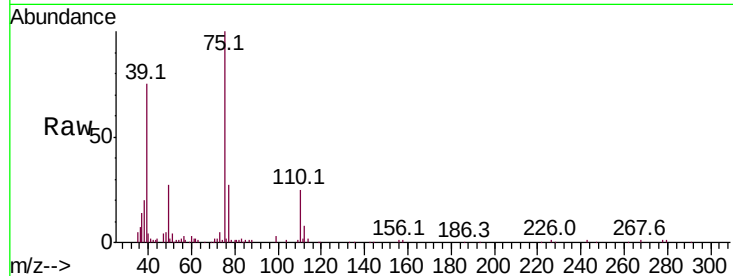
75 100

77 27.1 24.7 37.1

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#46

cis-1,3-Dichloropropene

Concen: 0.991 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

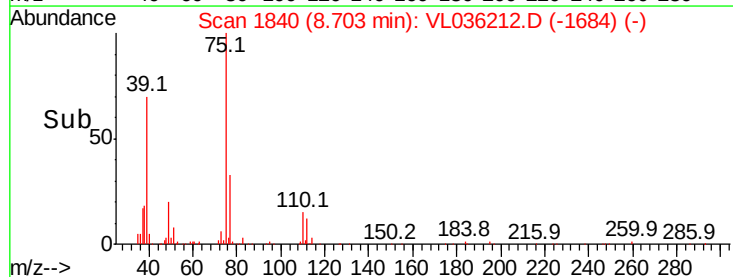
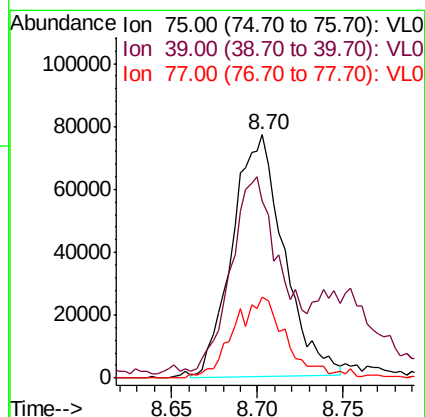
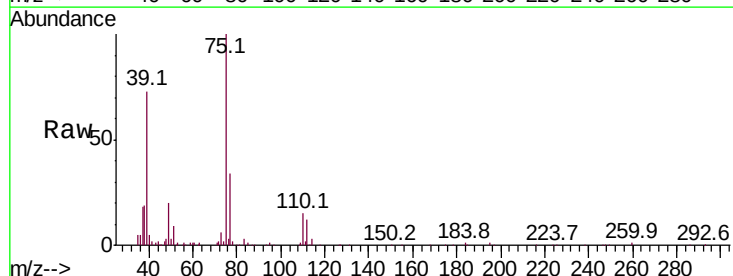
Tgt Ion: 75 Resp: 159109

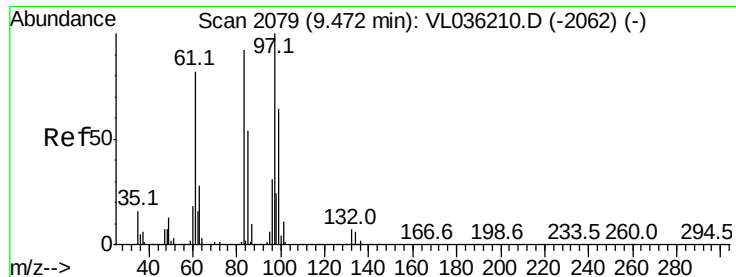
Ion Ratio Lower Upper

75 100

39 71.0 61.2 91.8

77 32.4 24.6 37.0





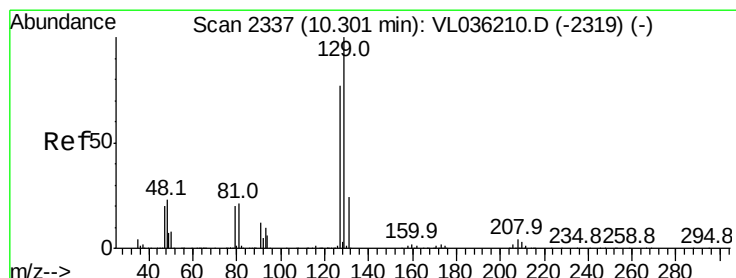
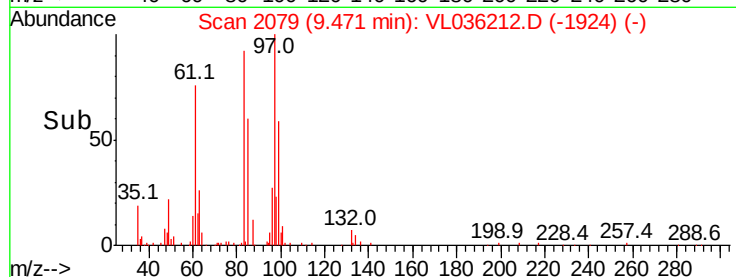
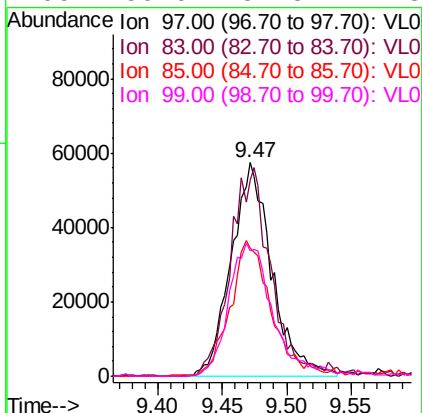
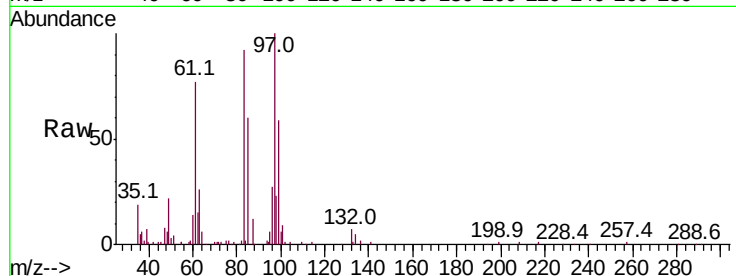
#47
 1,1,2-Trichloroethane
 Concen: 1.139 ppbv
 RT: 9.47 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		126115		
83	91.1	73.3	109.9		
85	59.9	43.2	64.8		
99	59.0	51.5	77.3		

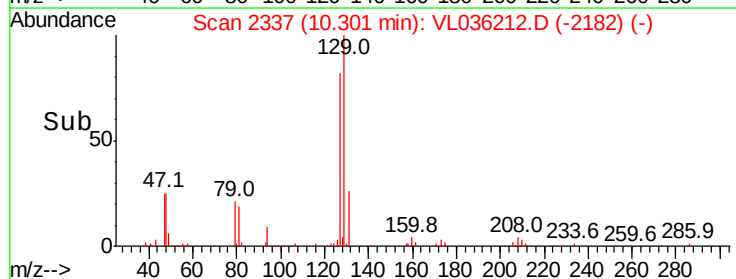
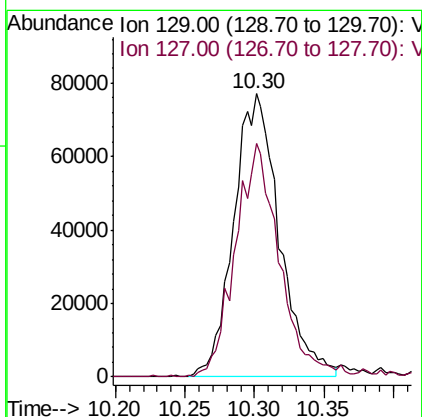
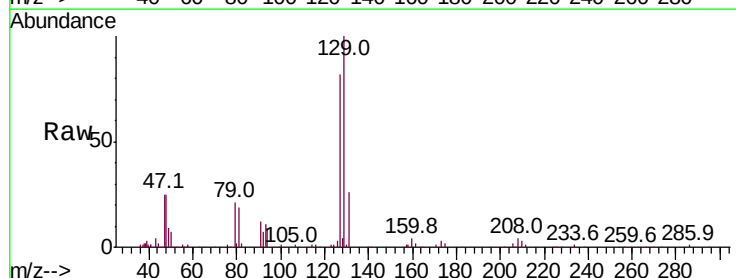
Manual Integrations
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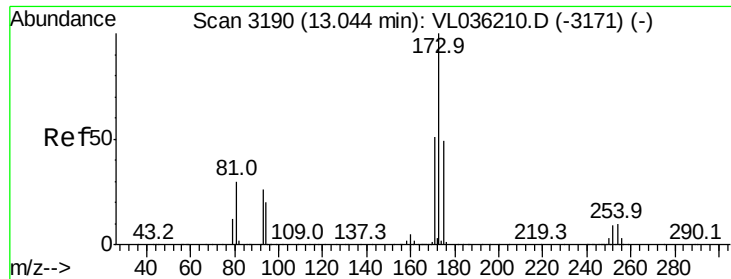
MMDadoda
 1/18/2021 3:48:45 PM



#48
 Dibromochloromethane
 Concen: 1.066 ppbv m
 RT: 10.30 min Scan# 2337
 Delta R.T. -0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		176620		
127	0.0	39.6	118.8		





#49

Bromoform

Concen: 1.119 ppbv m

RT: 13.04 min Scan# 3189

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

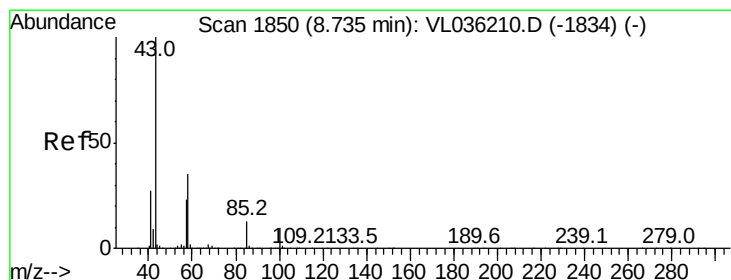
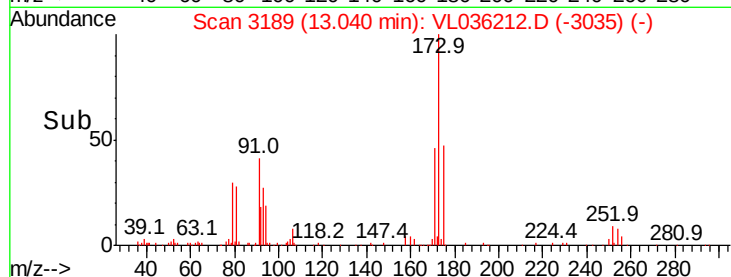
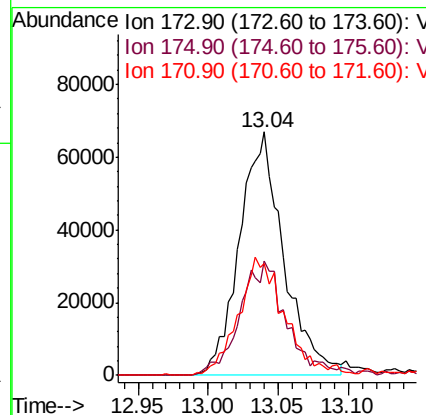
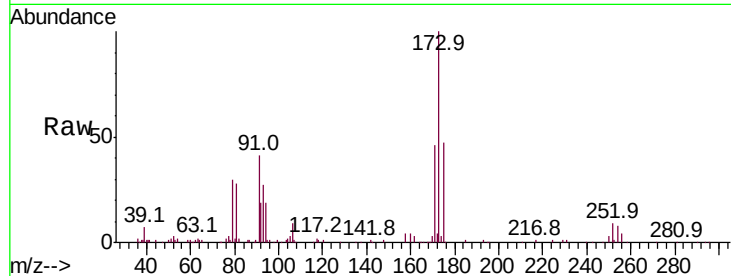
ClientSampleId :

VSTDIC001

Tot Ion:	173	Resp:	146613
Ion Ratio	Lower	Upper	
173	100		
175	49.8	40.7	61.1
171	50.6	43.0	64.6

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#50

4-Methyl-2-Pentanone

Concen: 1.162 ppbv

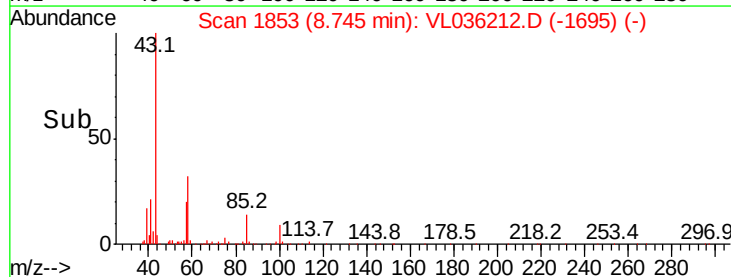
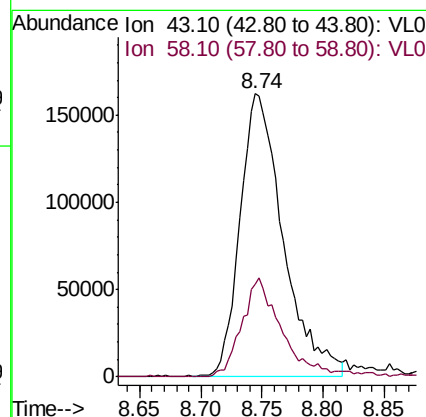
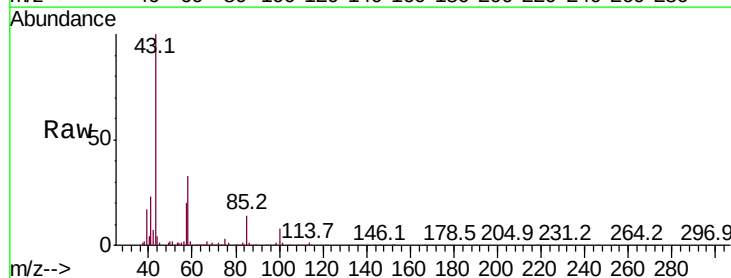
RT: 8.74 min Scan# 1853

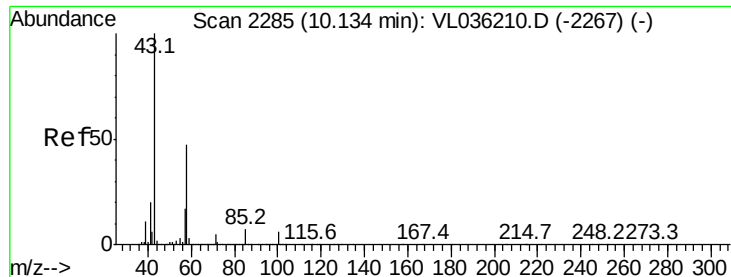
Delta R.T. 0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion:	43	Resp:	395067
Ion Ratio	Lower	Upper	
43	100		
58	33.6	27.6	41.4





#51

2-Hexanone

Concen: 1.112 ppbv

RT: 10.14 min Scan# 2285

Delta R.T. 0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 299646

Ion Ratio Lower Upper

43 100

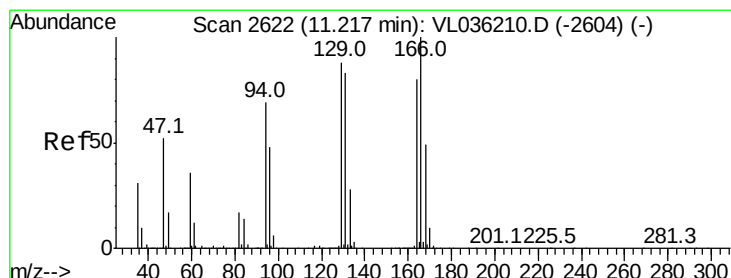
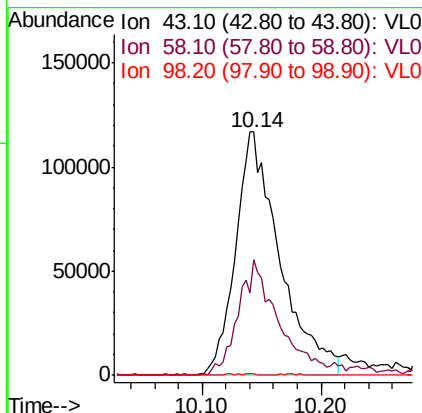
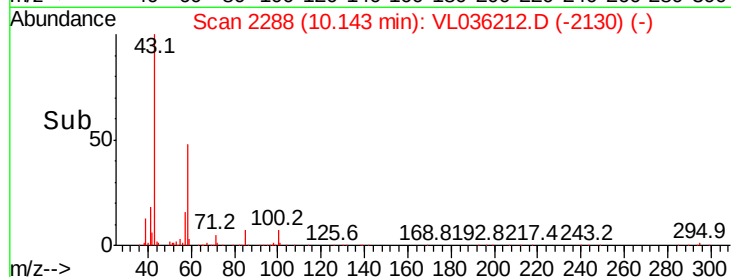
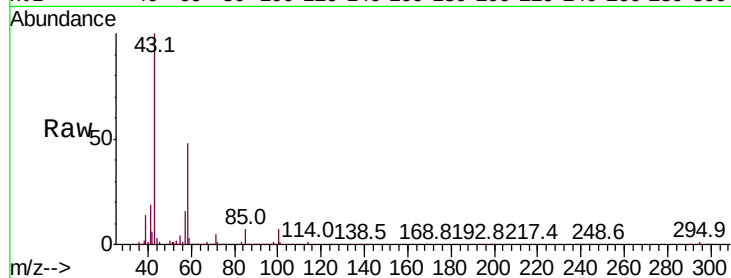
58 48.1 37.4 56.0

98 0.7 0.2 0.2#

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#52

Tetrachloroethene

Concen: 1.105 ppbv m

RT: 11.22 min Scan# 2623

Delta R.T. 0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion: 164 Resp: 115099

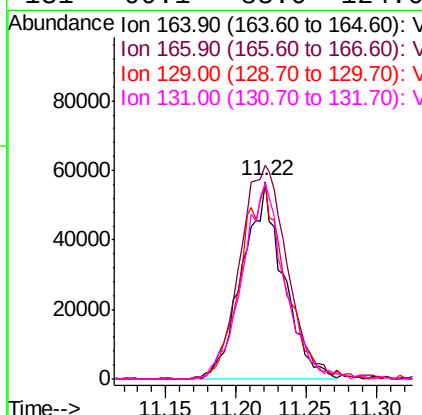
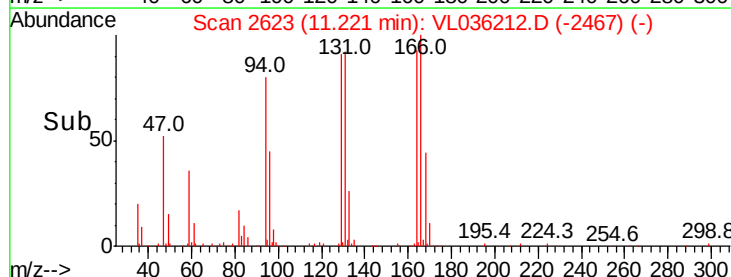
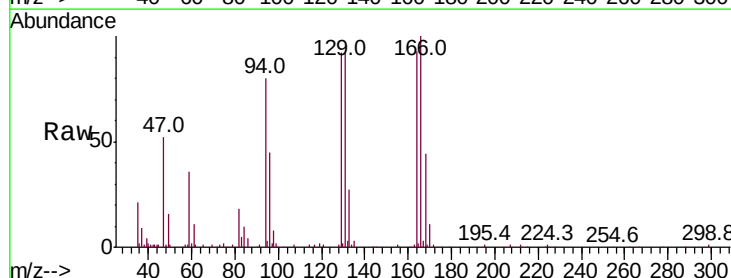
Ion Ratio Lower Upper

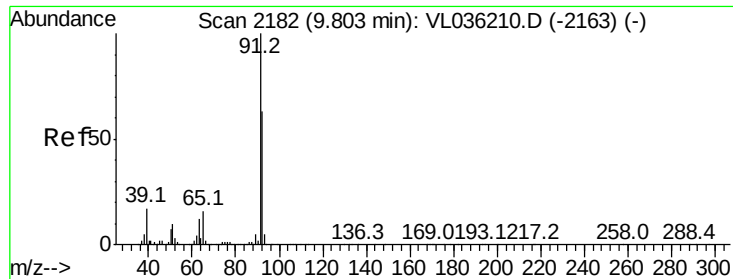
164 100

166 108.1 99.9 149.9

129 99.1 88.2 132.4

131 99.1 83.0 124.6





#53

Toluene

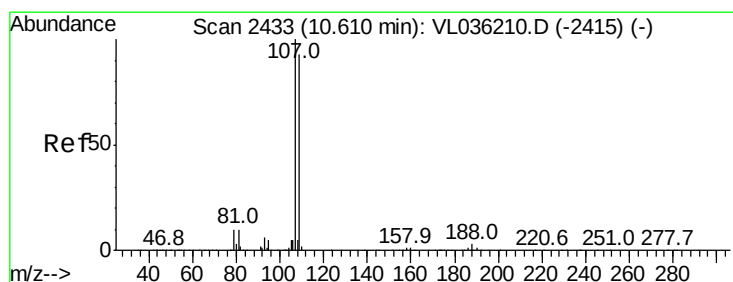
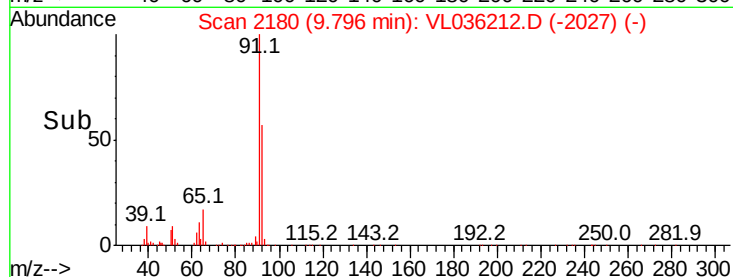
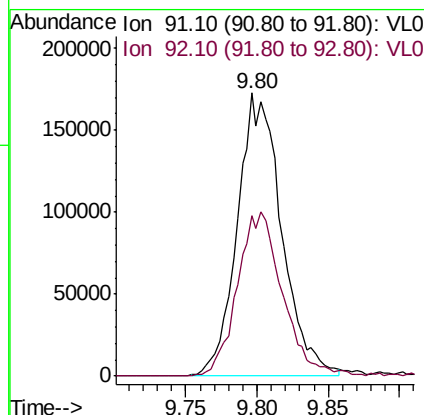
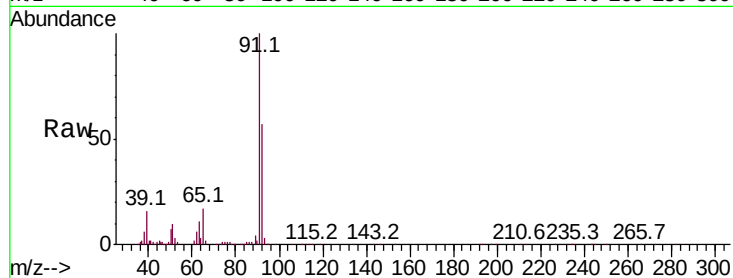
Concen: 1.149 ppbv m
RT: 9.80 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.5	72.7#

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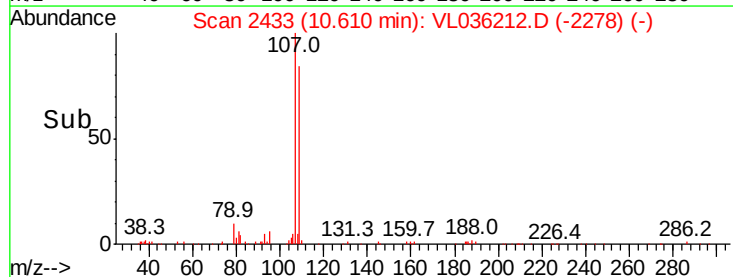
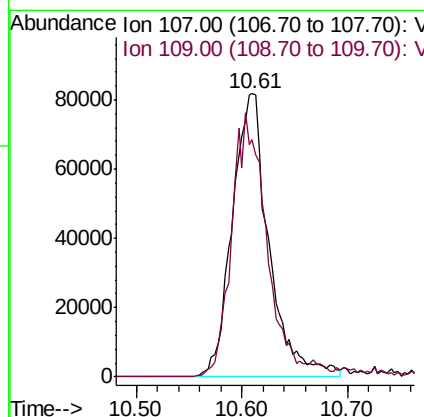
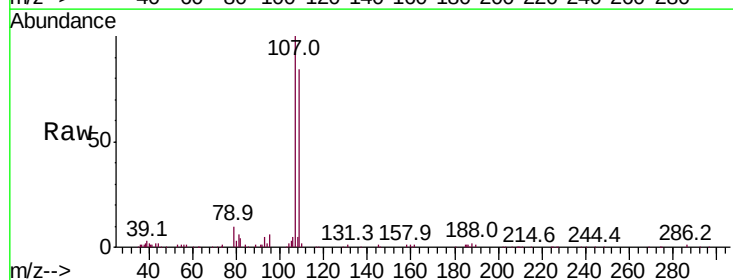


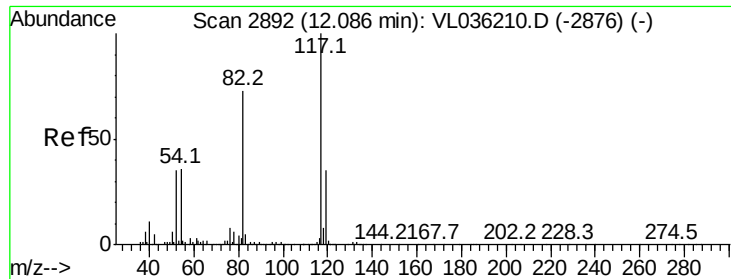
#54

1,2-Dibromoethane

Concen: 1.185 ppbv m
RT: 10.61 min Scan# 2433
Delta R.T. -0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	Lower	Upper
107	100		
109	83.9	74.5	111.7





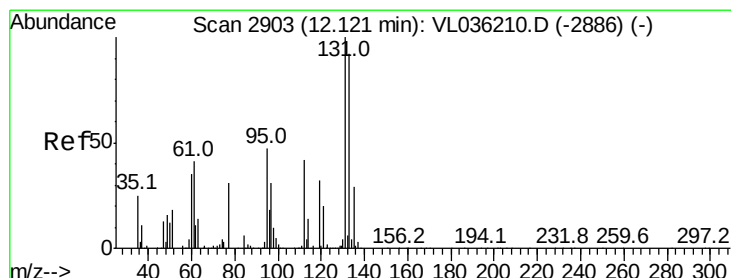
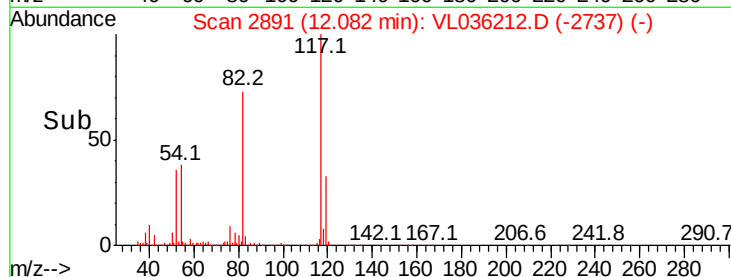
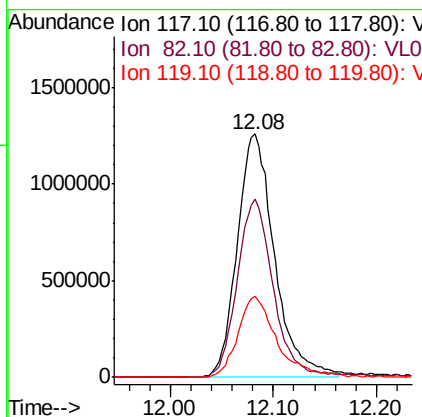
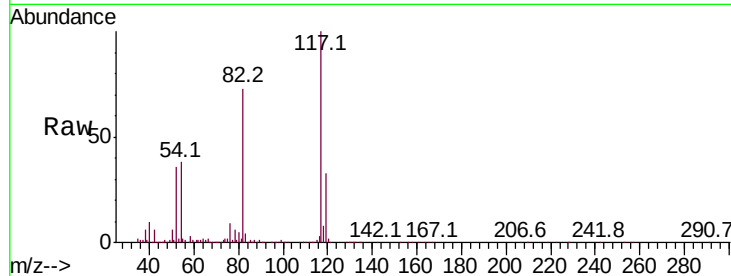
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	72.2	59.7	89.5
119	35.4	28.6	43.0

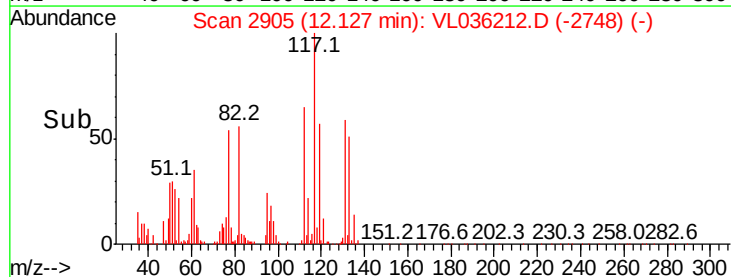
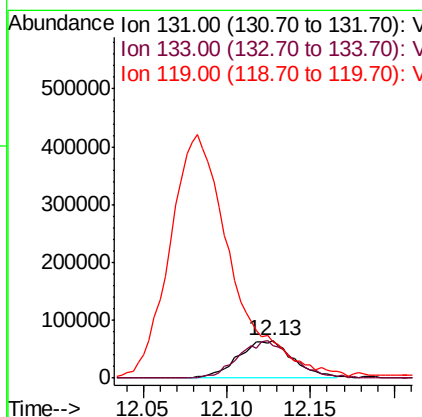
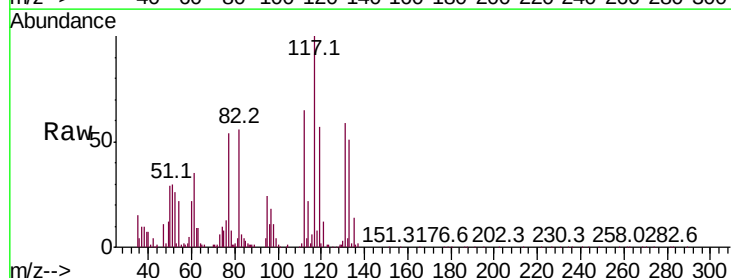
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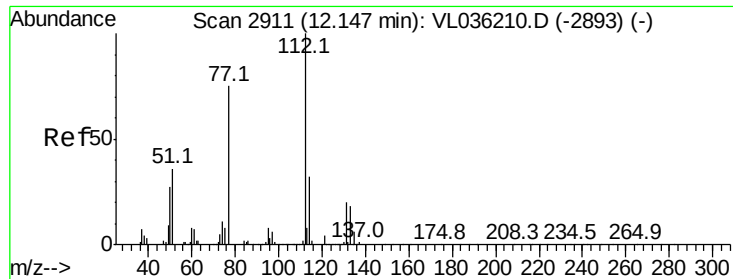
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.116 ppbv m
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	100.6	76.5	114.7
119	0.0	45.4	68.0#





#57

Chlorobenzene

Concen: 1.229 ppbv m

RT: 12.14 min Scan# 2909

Delta R.T. -0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

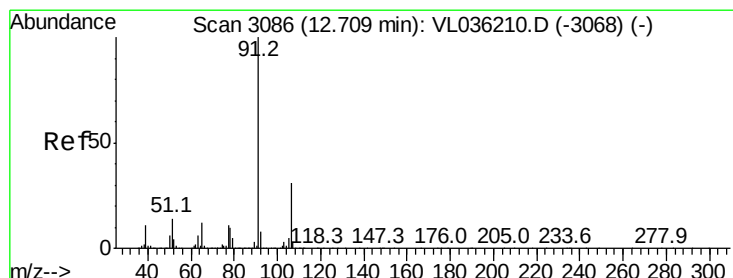
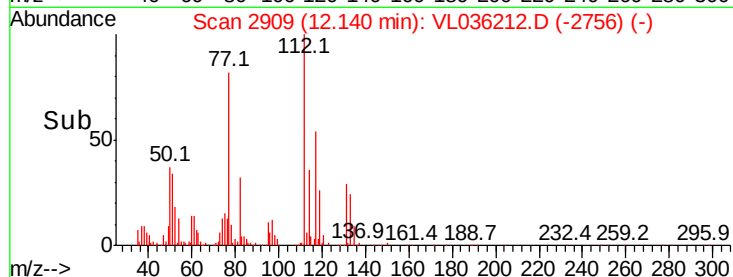
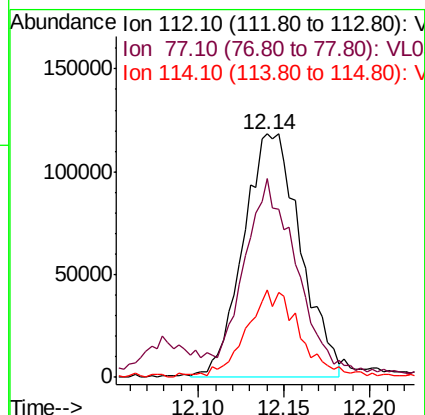
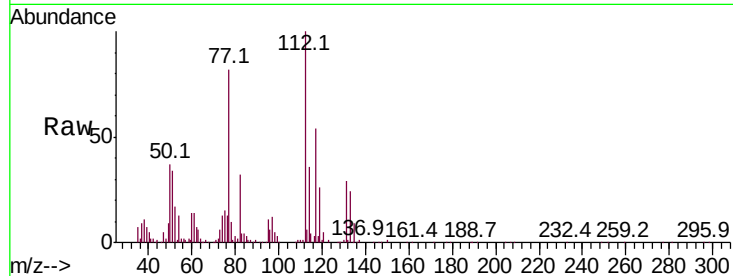
ClientSampleId :

VSTDIC001

Tot Ion:	112	Resp:	274908
Ion Ratio	Lower	Upper	
112	100		
77	81.7	59.6	89.4
114	36.0	28.7	35.1#

Manual Integrations
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#58

Ethyl Benzene

Concen: 1.150 ppbv

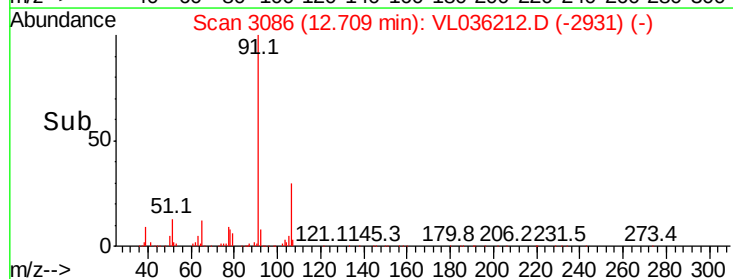
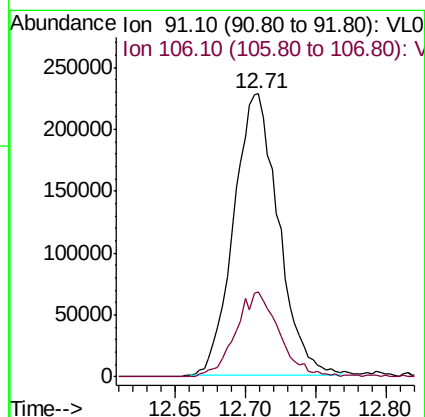
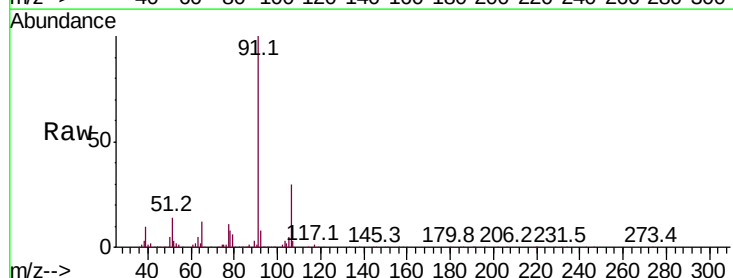
RT: 12.71 min Scan# 3086

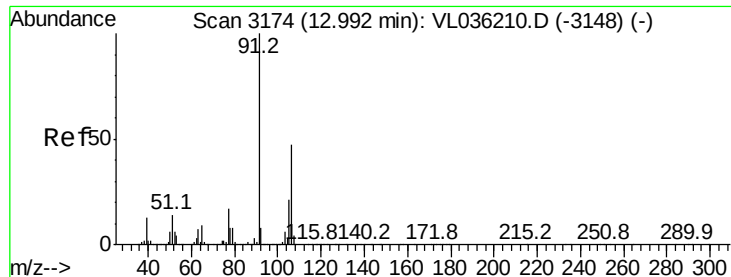
Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion:	91	Resp:	503440
Ion Ratio	Lower	Upper	
91	100		
106	30.2	24.8	37.2





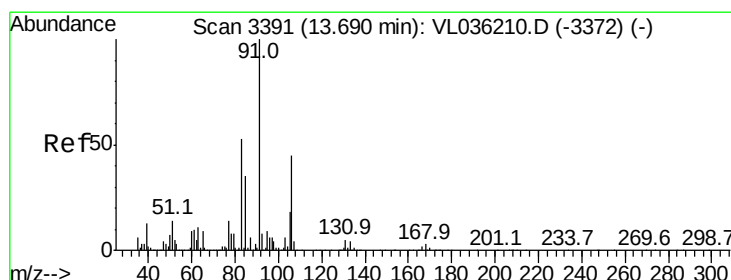
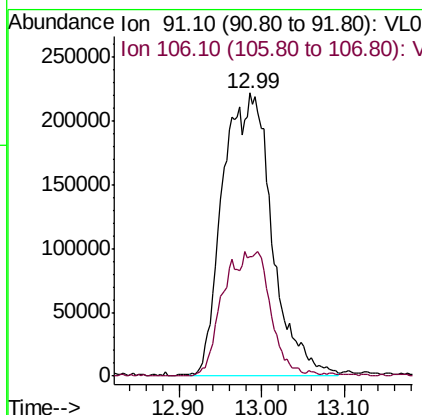
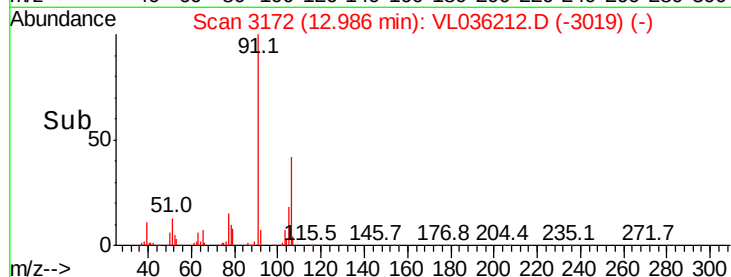
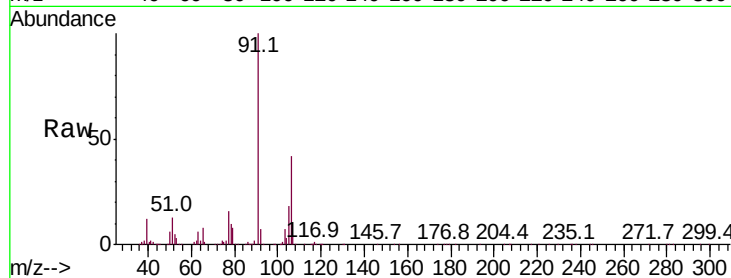
#59
m/p-Xylene
Concen: 2.490 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.01 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 916057
Ion Ratio Lower Upper
91 100
106 42.6 34.6 51.8

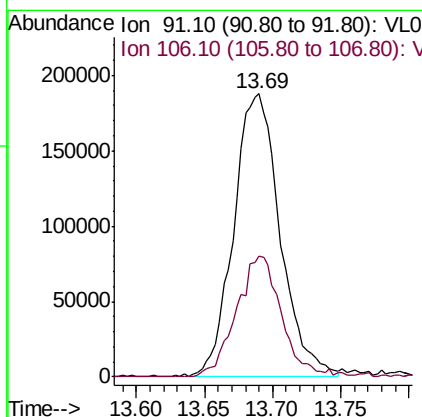
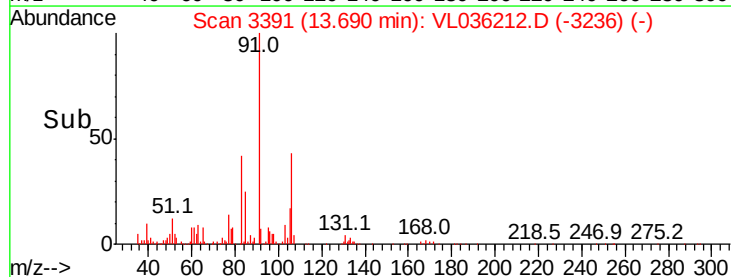
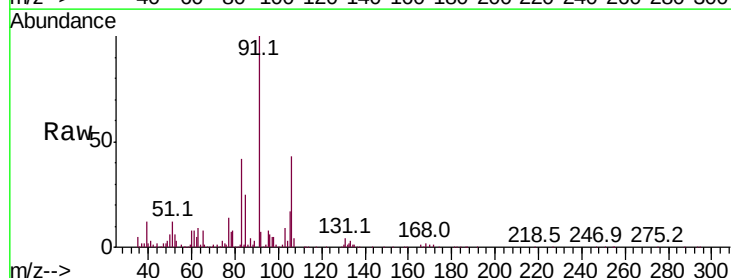
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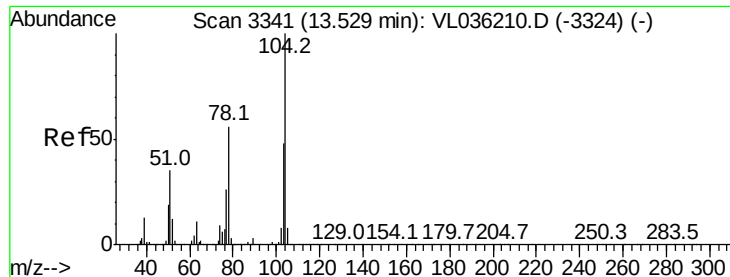
MMDadoda
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#60
o-Xylene
Concen: 1.272 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion: 91 Resp: 441706
Ion Ratio Lower Upper
91 100
106 41.9 21.9 65.8





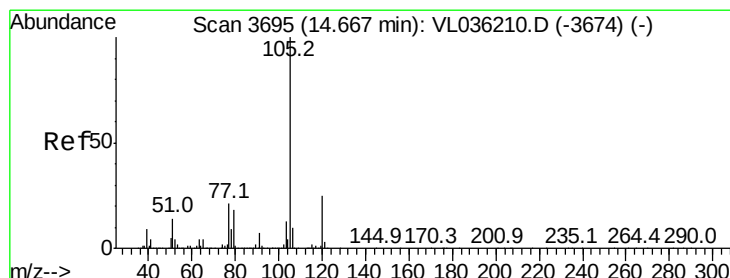
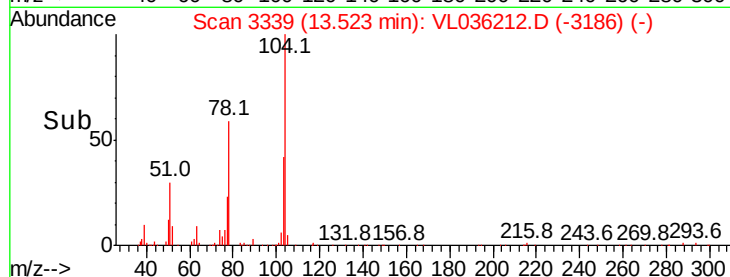
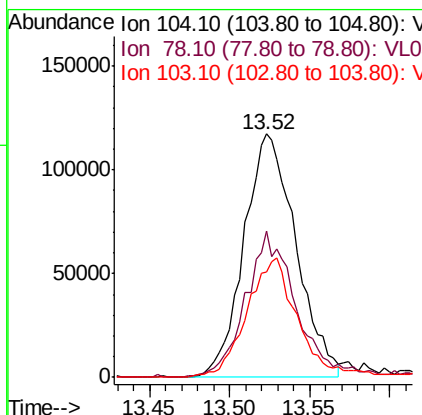
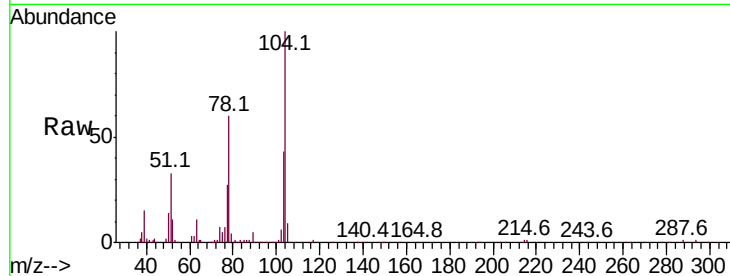
#61
Stvrene
Concen: 1.162 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. -0.01 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	58.5	46.8	70.2
103	49.1	38.4	57.6

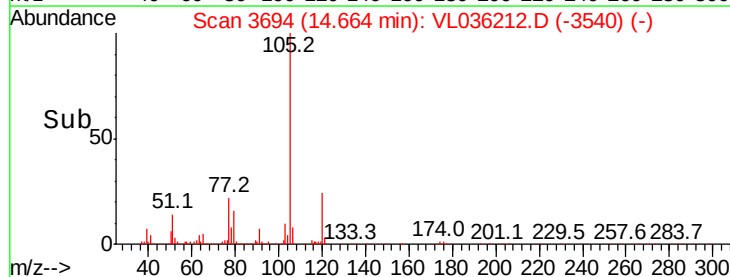
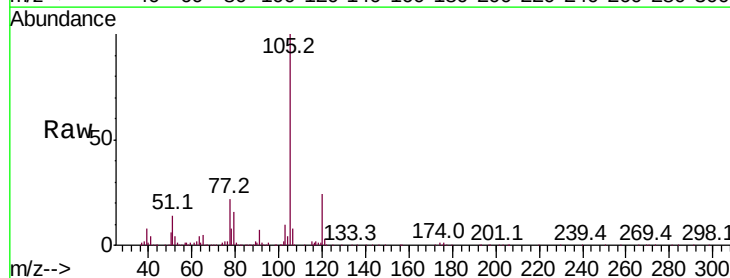
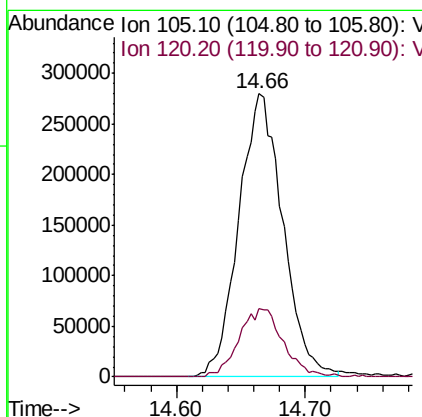
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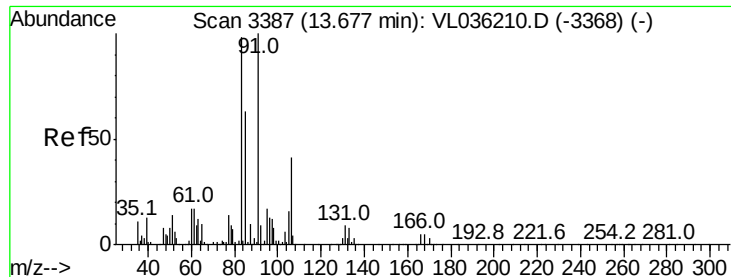
MMDadoda
1/18/2021 3:48:45 PM



#62
Isopropylbenzene
Concen: 1.280 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.6	20.3	30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 1.317 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

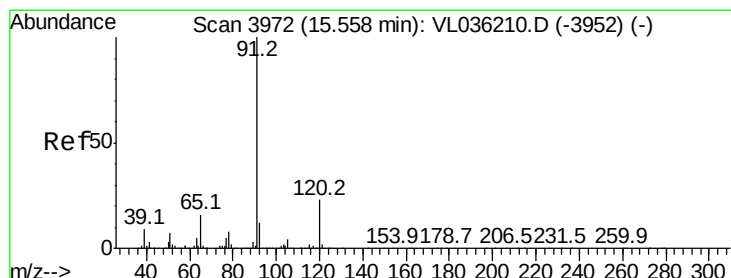
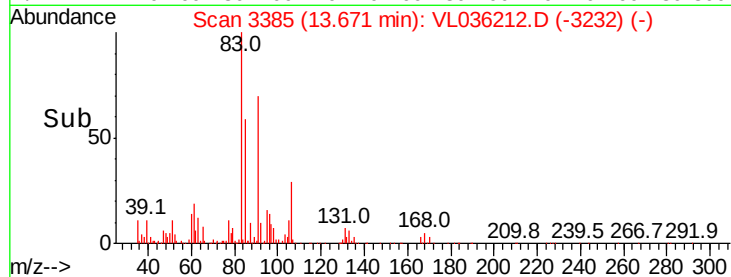
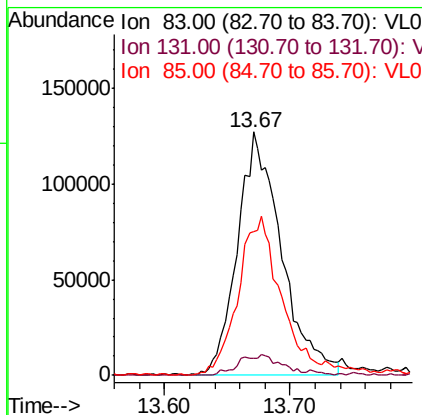
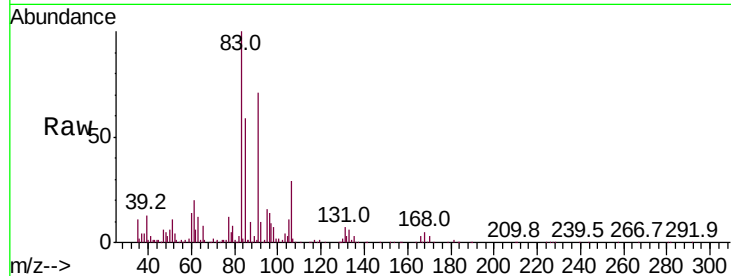
ClientSampleId :

VSTDIC001

Tot Ion:	83	Resp:	310539
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.5	13.5
85	66.6	33.1	99.3

Manual Integrations
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#64

n-propylbenzene

Concen: 1.242 ppbv

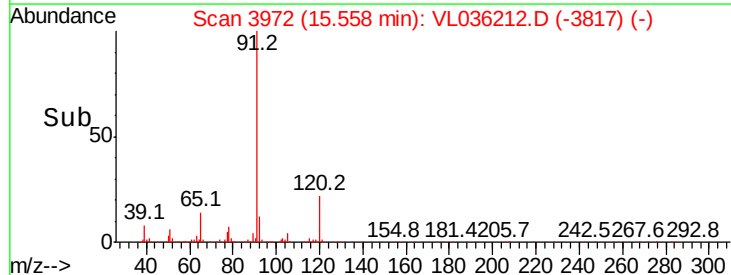
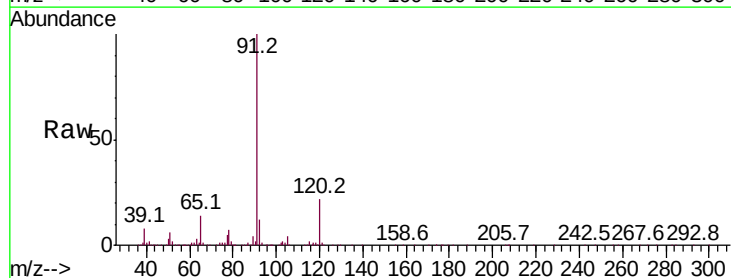
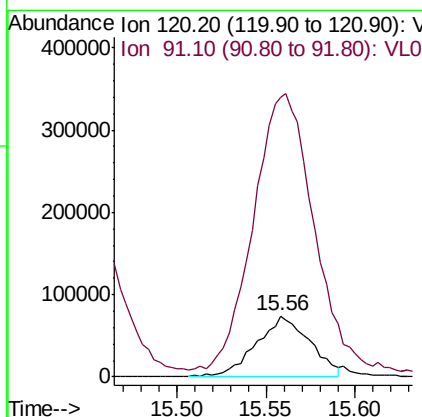
RT: 15.56 min Scan# 3972

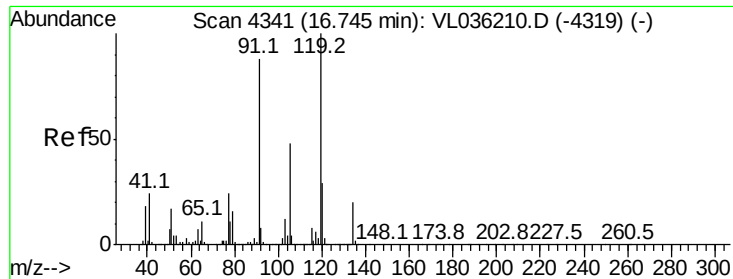
Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion:	120	Resp:	155351
Ion Ratio	Lower	Upper	
120	100		
91	556.3	391.8	587.6





#65

tert-Butylbenzene

Concen: 1.329 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

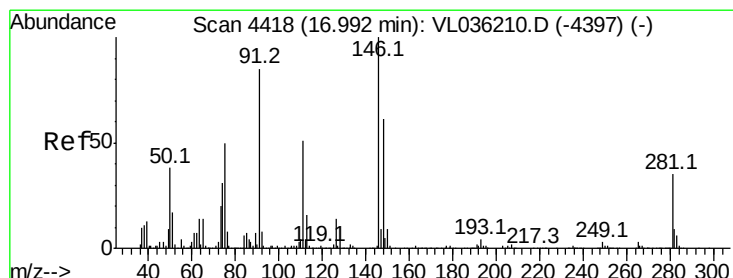
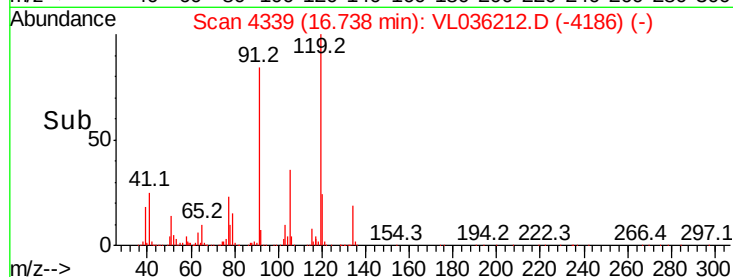
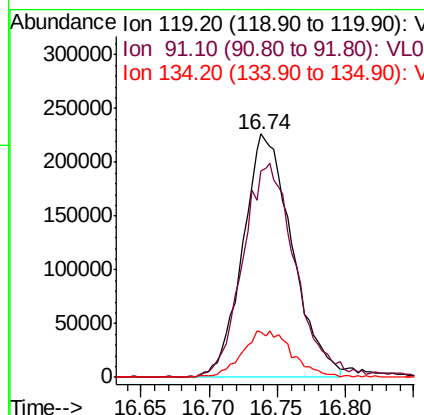
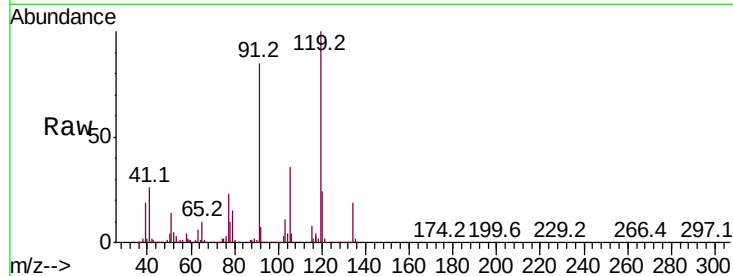
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	564677
Ion Ratio	Lower	Upper	
119	100		
91	95.5	71.0	106.6
134	19.8	15.8	23.6

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.915 ppbv

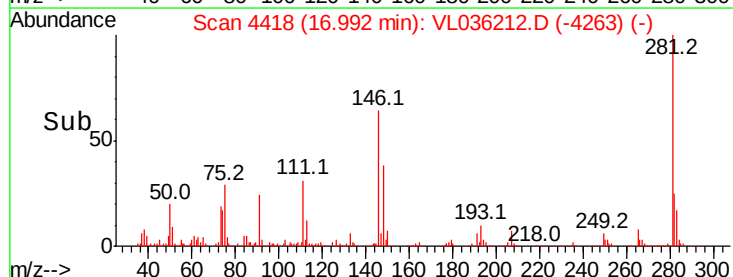
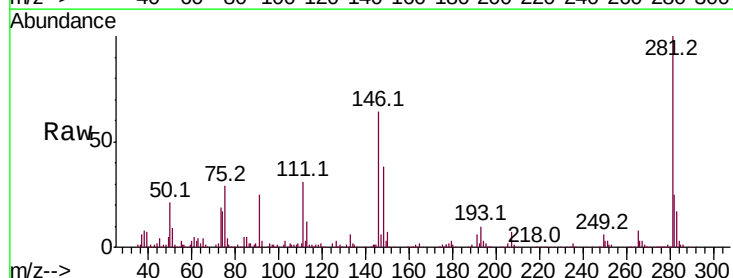
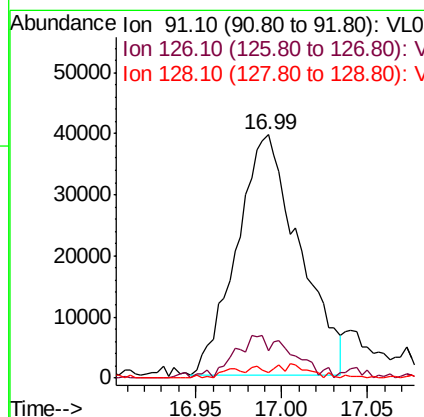
RT: 16.99 min Scan# 4418

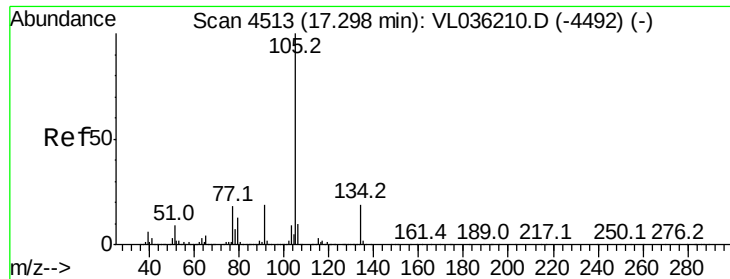
Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion:	91	Resp:	99765
Ion Ratio	Lower	Upper	
91	100		
126	18.5	12.6	19.0
128	5.9	3.8	5.6#





#67

sec-Butylbenzene

Concen: 1.376 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. -0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 826270

Ion Ratio Lower Upper

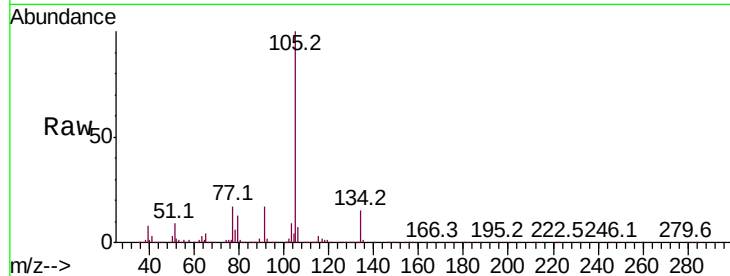
105 100

134 16.4 14.2 21.4

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.29

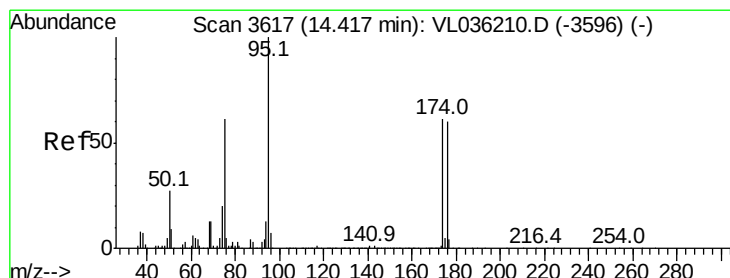
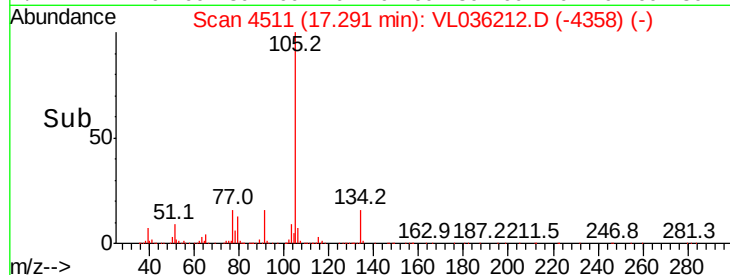
300000

200000

100000

0

Time--> 17.20 17.30



#68

1-Bromo-4-Fluorobenzene

Concen: 10.261 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

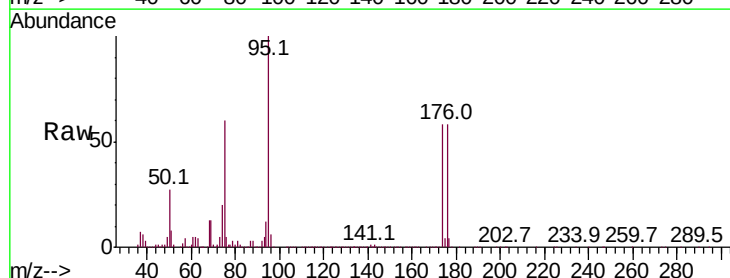
Tgt Ion: 95 Resp: 2611155

Ion Ratio Lower Upper

95 100

174 63.1 49.4 74.0

175 4.7 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

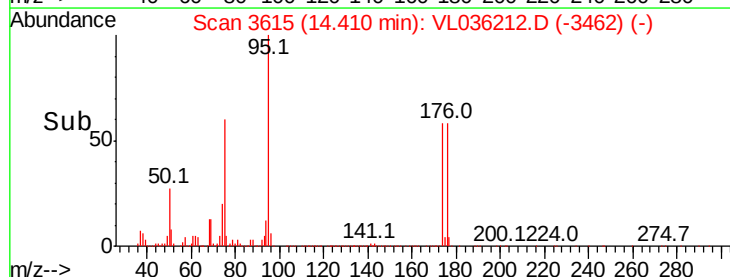
14.41

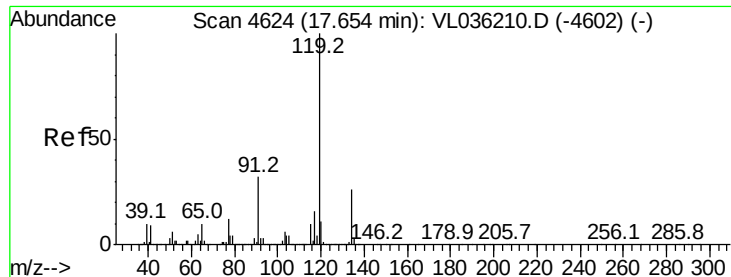
1000000

500000

0

Time--> 14.30 14.40 14.50





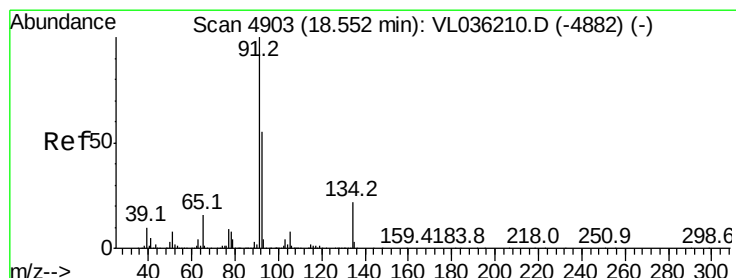
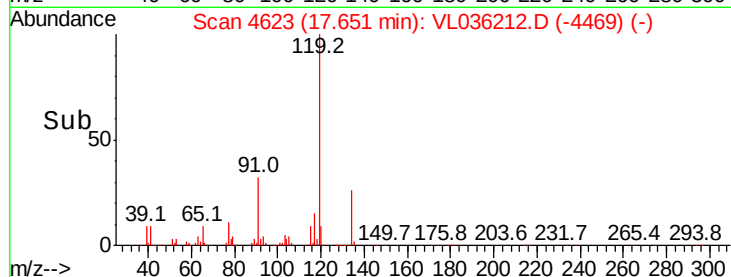
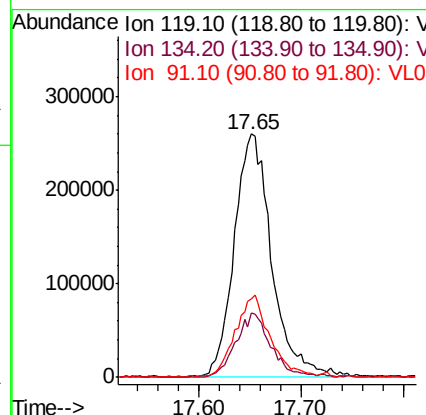
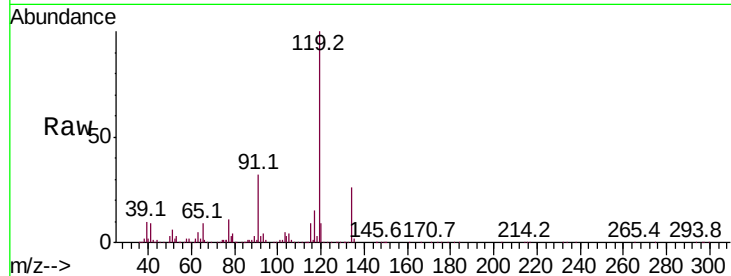
#69
 p-Isopropyltoluene
 Concen: 1.387 ppbv m
 RT: 17.65 min Scan# 4623
 Delta R.T. -0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	662877		
134	25.1	20.2	30.4	
91	32.2	26.0	39.0	

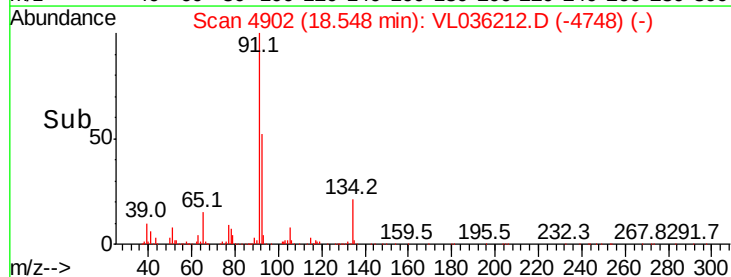
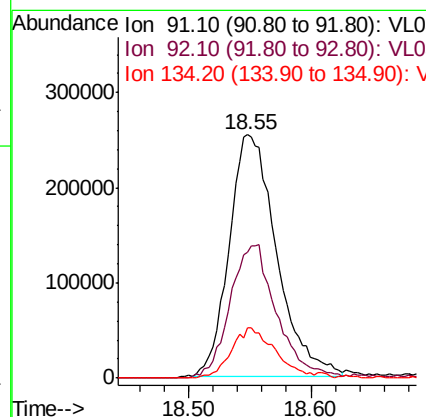
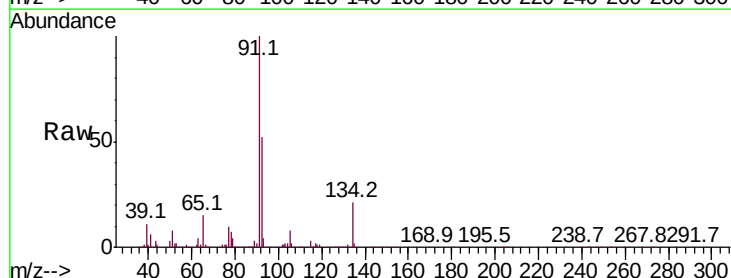
Manual Integrations
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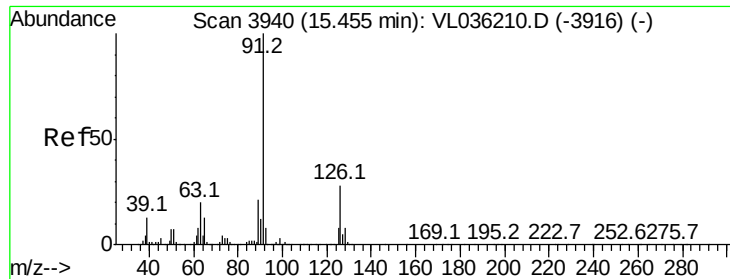
MMDadoda
 1/18/2021 3:48:45 PM



#70
 n-Butylbenzene
 Concen: 1.419 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. -0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	682207		
92	55.8	44.0	66.0	
134	20.5	17.0	25.4	





#71

2-Chlorotoluene

Concen: 1.289 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 508724

Ion Ratio Lower Upper

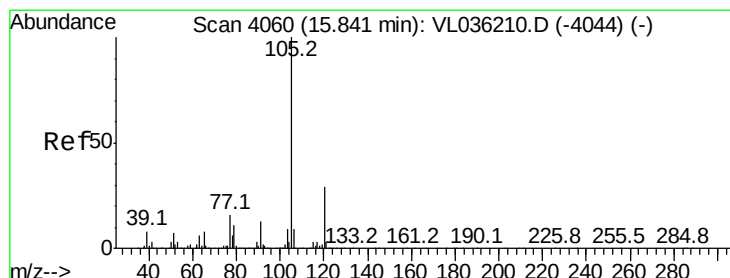
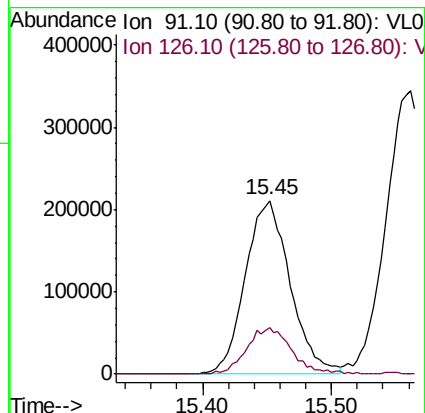
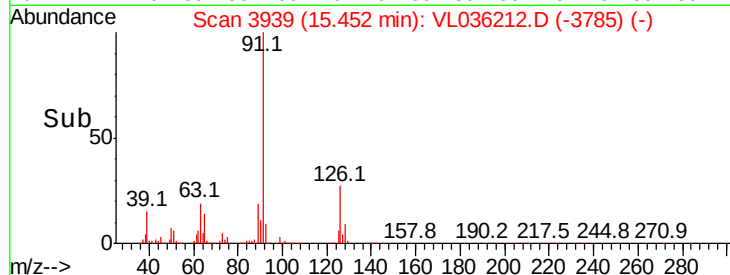
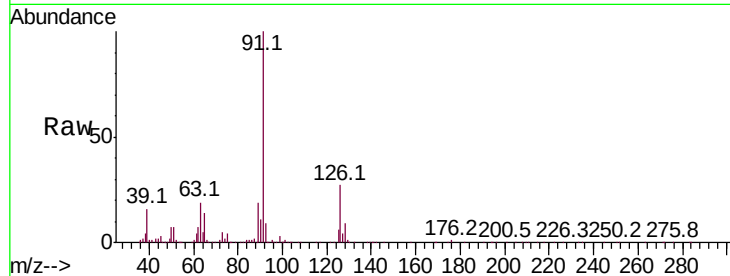
91 100

126 26.7 11.5 45.9

Manual Integrations
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#72

4-Ethyltoluene

Concen: 1.301 ppbv m

RT: 15.84 min Scan# 4060

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion: 105 Resp: 495409

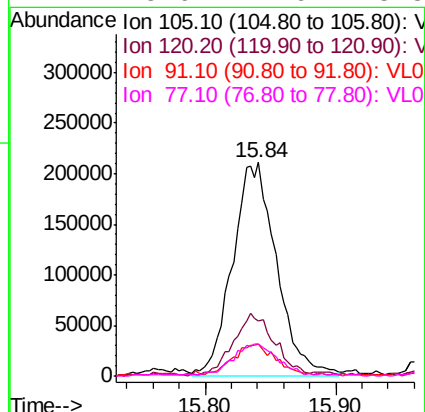
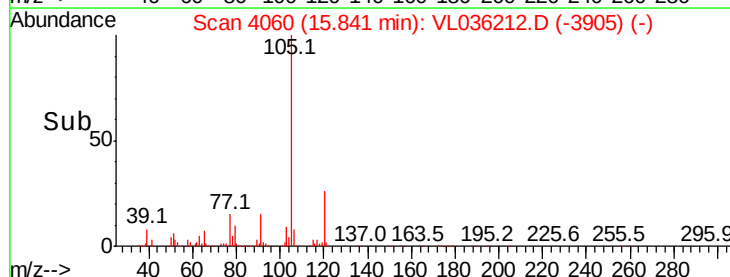
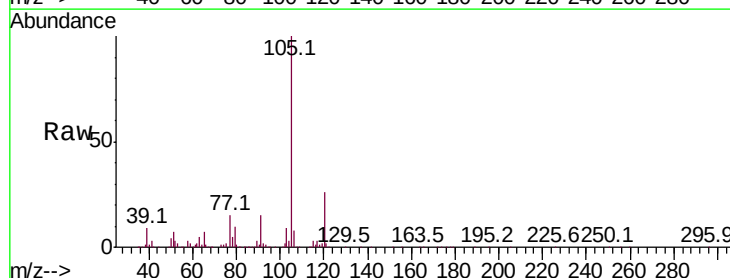
Ion Ratio Lower Upper

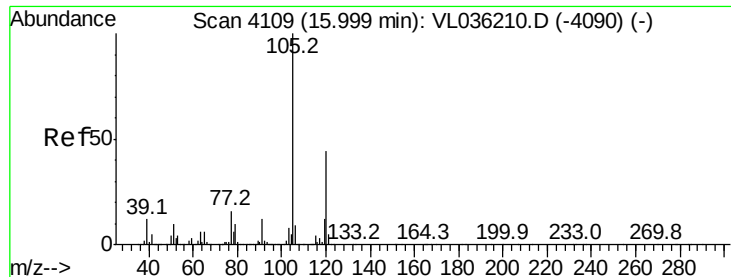
105 100

120 28.8 23.7 35.5

91 0.0 11.9 17.9#

77 15.6 12.6 18.8





#73

1,3,5-Trimethylbenzene

Concen: 1.268 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 462113

Ion Ratio Lower Upper

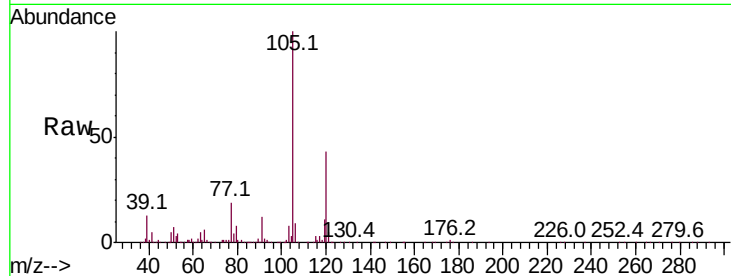
105 100

120 41.8 35.5 53.3

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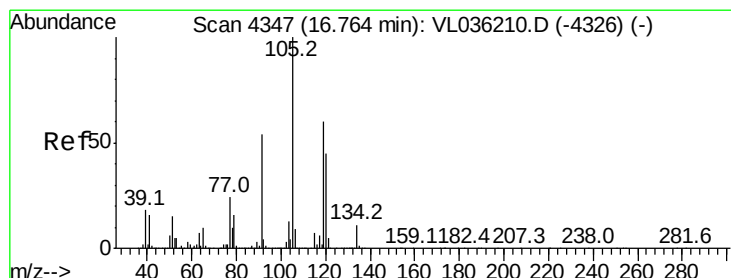
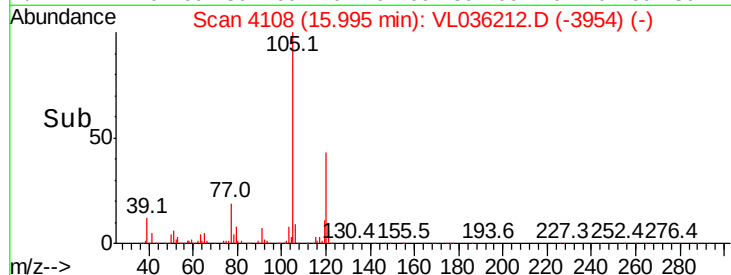
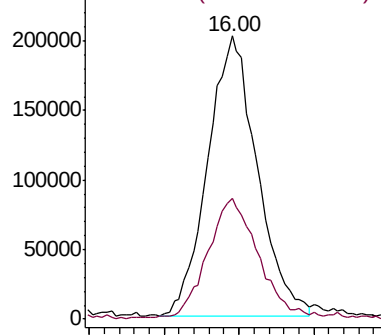
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 1.317 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion:105 Resp: 481291

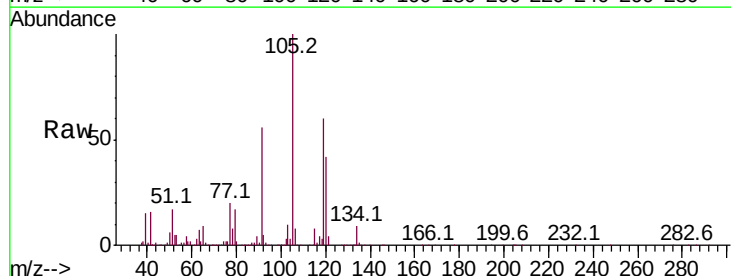
Ion Ratio Lower Upper

105 100

120 40.6 36.2 54.2

91 54.5 43.3 64.9

77 18.4 19.1 28.7#

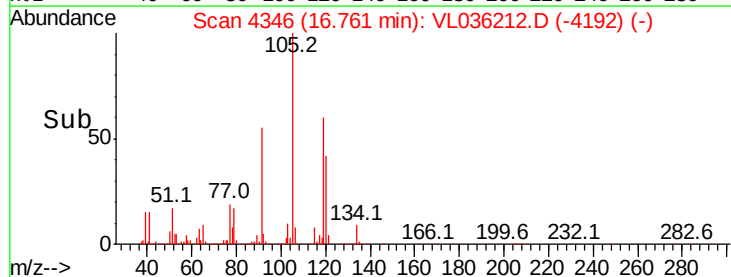
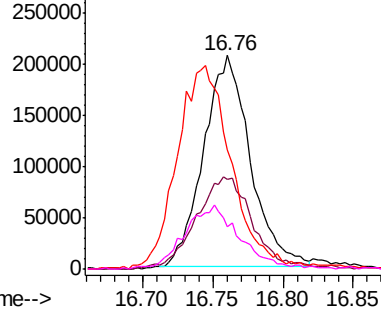


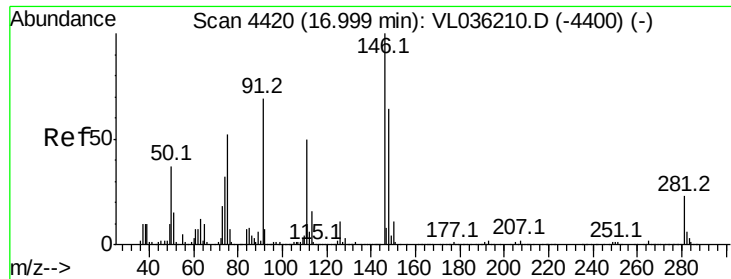
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





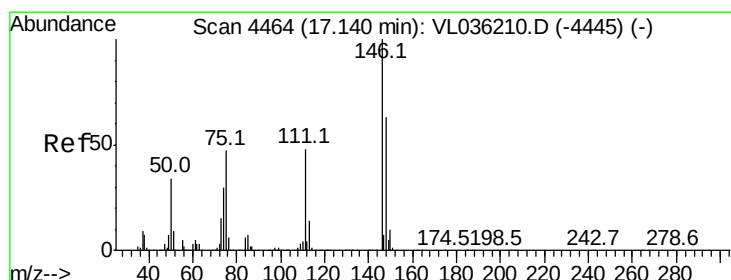
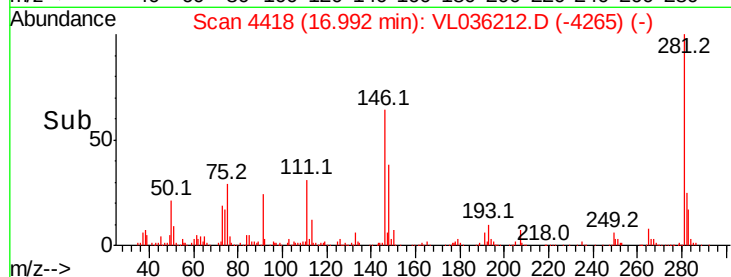
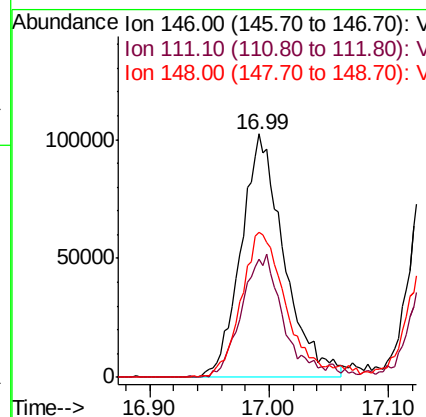
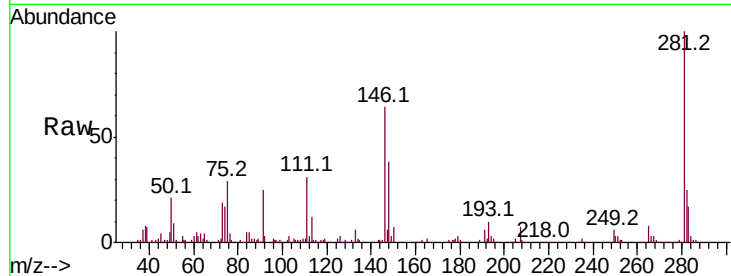
#75
 1,3-Dichlorobenzene
 Concen: 1.385 ppbv m
 RT: 16.99 min Scan# 4418
 Delta R.T. -0.01 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
146	100	255528		
111	50.1	25.5	76.5	
148	63.8	32.4	97.2	

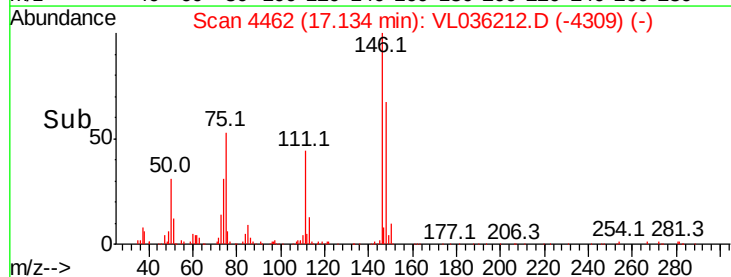
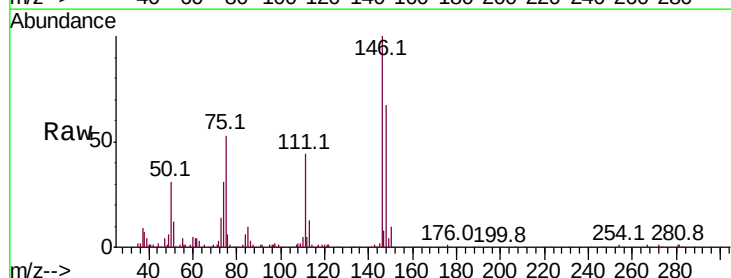
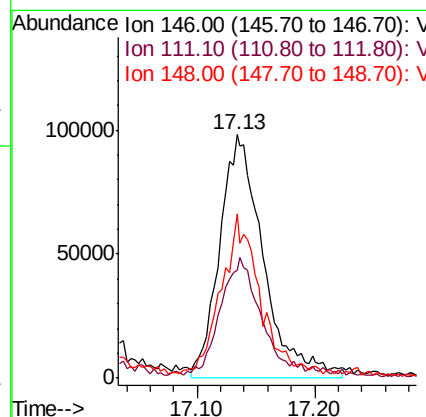
Manual Integrations
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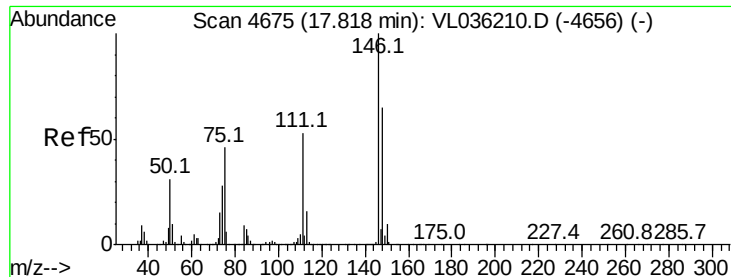
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#76
 1,4-Dichlorobenzene
 Concen: 1.365 ppbv m
 RT: 17.13 min Scan# 4462
 Delta R.T. -0.01 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	256496		
111	44.9	25.4	76.0	
148	62.3	33.3	99.9	





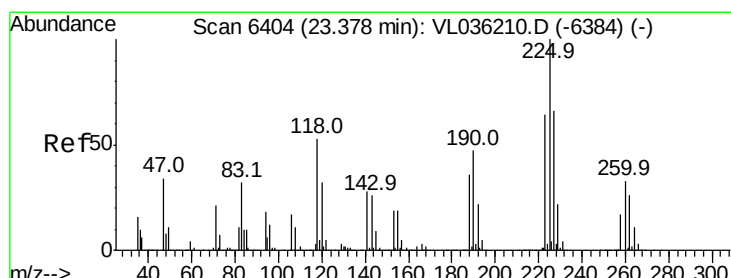
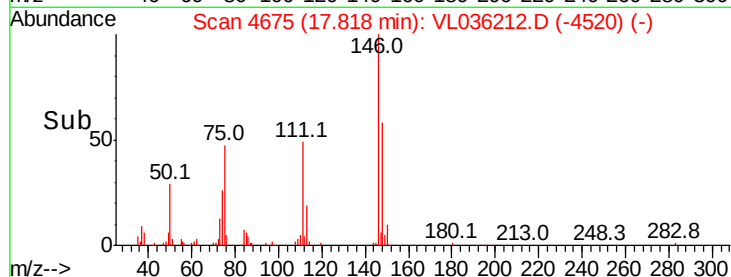
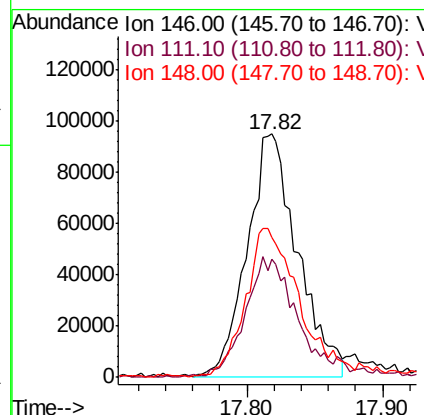
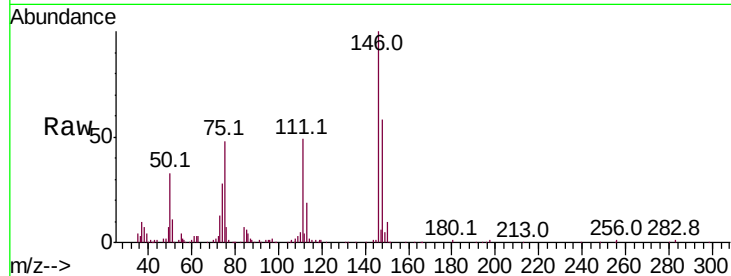
#77
 1,2-Dichlorobenzene
 Concen: 1.374 ppbv m
 RT: 17.82 min Scan# 4675
 Delta R.T. -0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.3	26.5	79.4
148	67.1	32.8	98.4

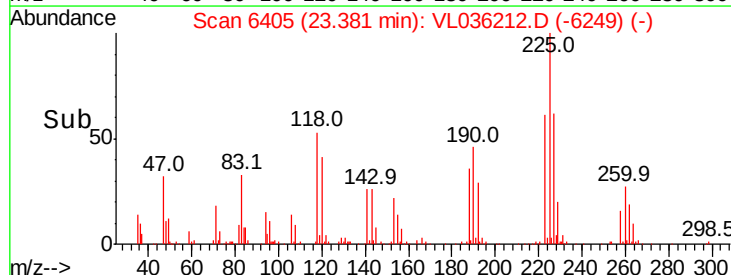
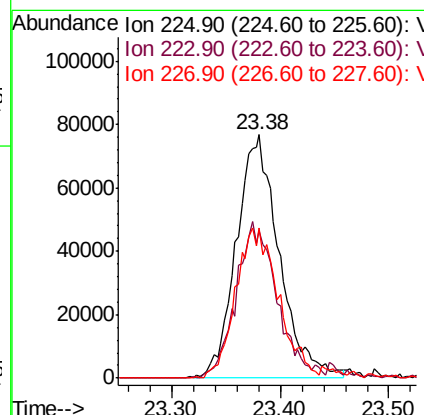
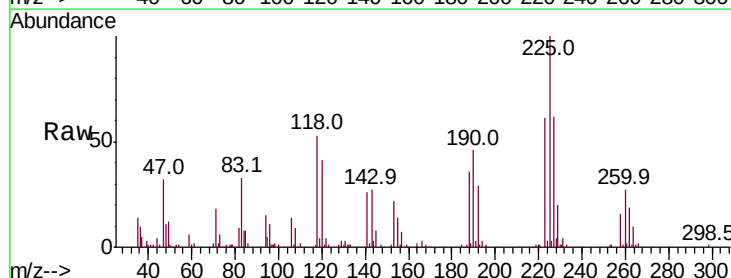
Manual Integrations
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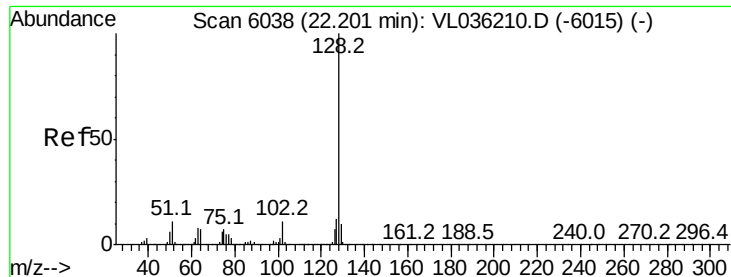
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 1.487 ppbv m
 RT: 23.38 min Scan# 6405
 Delta R.T. 0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	50.5	75.7
227	64.6	51.7	77.5





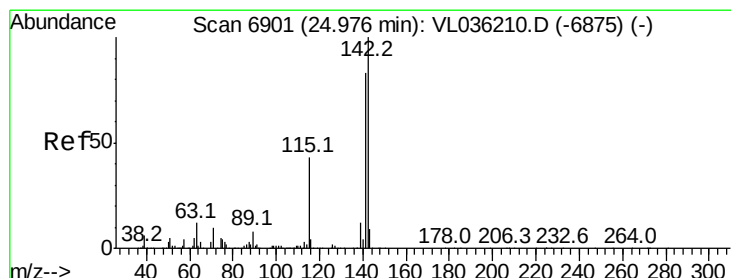
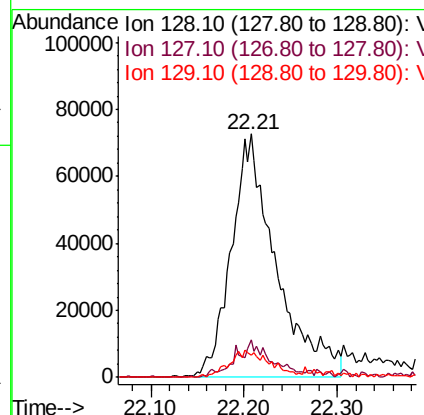
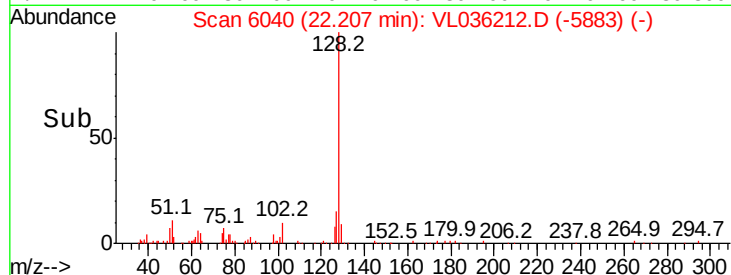
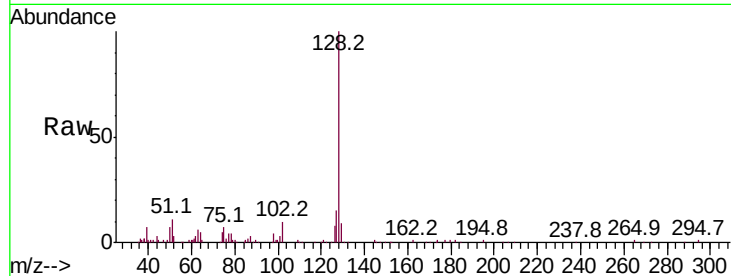
#79
Naphthalene
Concen: 1.240 ppbv m
RT: 22.21 min Scan# 6040
Delta R.T. 0.01 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	15.3	9.9	14.9#	
129	9.3	8.4	12.6	

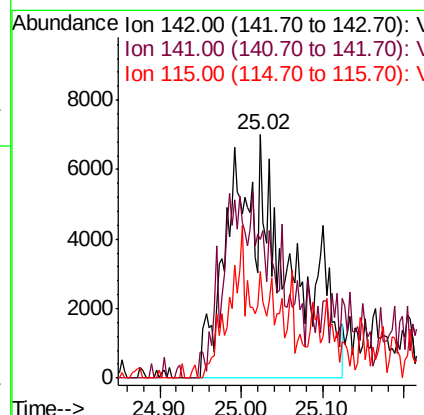
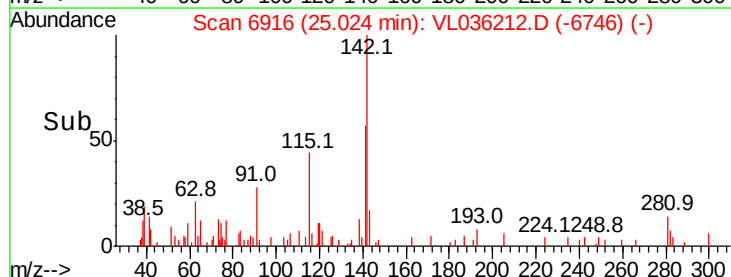
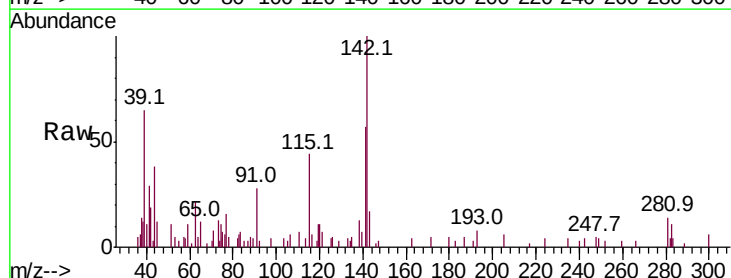
Manual Integrations
APPROVED

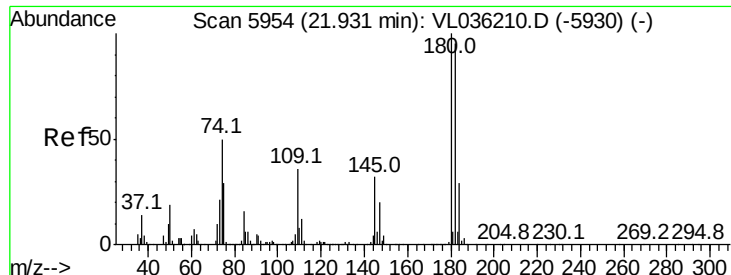
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1/18/2021 3:48:45 PM



#80
Naphthalene, 2-methyl-
Concen: 0.865 ppbv
RT: 25.02 min Scan# 6916
Delta R.T. 0.05 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	66.1	68.6	102.8#	
115	21.6	32.9	49.3#	





#81
 1,2,4-Trichlorobenzene
 Concen: 1.224 ppbv m
 RT: 21.93 min Scan# 5954
 Delta R.T. -0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	180	Resp:	152172
Ion Ratio	Lower	Upper	
180	100		
182	0.0	79.9	119.9#
184	0.0	25.6	38.4#

Manual Integrations
 APPROVED

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