

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064414.D
 Acq On : 2 Nov 2020 14:37
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 11/3/2020 2:20:46 PM

Quant Time: Nov 02 15:19:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:04:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	55142m	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	321391	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	294368	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	143363	29.41	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.03%
60) 4-Bromofluorobenzene	12.37	95	150301	29.11	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.03%
63) Toluene-d8	10.06	98	394384	30.14	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	184976	42.672	ug/l 99
3) Chloromethane	2.04	50	190193	46.188	ug/l 96
4) Vinyl Chloride	2.16	62	199055	49.163	ug/l 96
5) Bromomethane	2.53	94	125667	49.913	ug/l 97
6) Chloroethane	2.67	64	116469	50.986	ug/l 98
7) Trichlorofluoromethane	2.98	101	325171	51.392	ug/l 92
8) Diethyl Ether	3.37	74	96633	48.522	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	157686	48.918	ug/l 99
10) 1,1-Dichloroethene	3.70	96	152205	49.619	ug/l 98
11) Methyl Iodide	3.91	142	208586	47.915	ug/l 97
12) Methyl Acetate	4.28	43	161512	44.931	ug/l 98
13) Acrolein	3.56	56	81387	307.639	ug/l 95
14) Acrylonitrile	4.93	53	371470	236.289	ug/l 99
15) Acetone	3.77	58	131907	279.358	ug/l 94
16) Carbon Disulfide	4.01	76	430897	47.258	ug/l 99
17) Allyl chloride	4.28	41	263726	45.473	ug/l 95
18) Methylene Chloride	4.50	84	175573	49.964	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	166457	49.283	ug/l 97
20) Diisopropyl ether	5.90	45	589870	49.913	ug/l 94
21) 1,1-Dichloroethane	5.79	63	323200	48.766	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	197325	50.745	ug/l 98
23) tert-Butyl Alcohol	4.72	59	143705	204.466	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	553099	48.066	ug/l # 62
25) Chloroform	7.33	83	347133	50.476	ug/l 97
26) Cyclohexane	7.61	56	263596	48.904	ug/l 99
29) 1,1-Dichloropropene	7.75	75	260025	47.733	ug/l 87
30) 2-Butanone	6.78	43	603545	233.589	ug/l 100
31) 2,2-Dichloropropane	6.78	77	315463	48.003	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	332427	48.165	ug/l 99
33) Carbon Tetrachloride	7.73	117	305825	48.533	ug/l 98
34) Benzene	8.00	78	716596	48.420	ug/l # 92
35) Methacrylonitrile	7.14	41	133421m	50.759	ug/l
36) 1,2-Dichloroethane	8.08	62	295733	45.563	ug/l 100
37) Trichloroethene	8.80	130	200532	49.521	ug/l 98
38) Methylcyclohexane	9.05	83	232569	44.344	ug/l 97
39) 1,2-Dichloropropane	9.08	63	185512	47.206	ug/l 98
40) Dibromomethane	9.17	93	134211	48.534	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.37	83	284769	47.762	ug/l	100
42) Vinyl Acetate	5.84	43	2515101	231.377	ug/l	99
43) Ethyl Acetate	6.88	43	233410	46.133	ug/l #	79
44) Isopropyl Acetate	8.12	43	408448	43.303	ug/l #	80
45) 1,4-Dioxane	9.16	88	58071	811.538	ug/l	94
46) Methyl methacrylate	9.16	41	203462	44.281	ug/l	98
47) n-amyl Acetate	12.04	43	357662	45.039	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	316645	47.841	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	324395	47.513	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	181031	48.966	ug/l	92
51) Ethyl methacrylate	10.40	69	272222	47.985	ug/l	93
52) 1,3-Dichloropropane	10.68	76	311297	48.112	ug/l	98
53) Dibromochloromethane	10.87	129	221637	49.163	ug/l	97
54) 1,2-Dibromoethane	10.97	107	194234	49.223	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	674352	237.558	ug/l	99
56) Bromoform	12.10	173	159182	49.890	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	1173090	222.509	ug/l	99
59) 2-Hexanone	10.72	43	898286	226.241	ug/l	99
61) Tetrachloroethene	10.60	164	195957	49.739	ug/l	98
62) Toluene	10.12	91	798837	49.142	ug/l	99
64) Chlorobenzene	11.40	112	508614	50.111	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.48	131	200122	49.978	ug/l	98
66) Ethyl Benzene	11.48	91	901853	49.037	ug/l	98
67) m/p-Xylenes	11.59	106	689220	101.181	ug/l	98
68) o-Xylene	11.92	106	325820	48.735	ug/l	96
69) Styrene	11.94	104	554973	50.181	ug/l	98
70) Isopropylbenzene	12.22	105	850461	48.325	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	237984	47.902	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	261740m	50.890	ug/l	
73) Bromobenzene	12.50	156	222297	50.909	ug/l	99
74) n-propylbenzene	12.56	91	952767	47.820	ug/l	98
75) 2-Chlorotoluene	12.65	91	596120	48.178	ug/l	96
76) 1,3,5-Trimethylbenzene	12.70	105	711268	48.118	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	94468	48.902	ug/l	92
78) 4-Chlorotoluene	12.75	91	620707	48.060	ug/l	96
79) tert-butylbenzene	12.97	119	563925	46.173	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	713037	47.753	ug/l	98
81) sec-Butylbenzene	13.14	105	718394	45.662	ug/l	100
82) p-Isopropyltoluene	13.26	119	664118	46.052	ug/l	99
83) 1,3-Dichlorobenzene	13.25	146	377412	50.074	ug/l	99
84) 1,4-Dichlorobenzene	13.33	146	379924	50.074	ug/l	99
85) n-Butylbenzene	13.59	91	534629	42.879	ug/l	96
86) Hexachloroethane	13.85	117	125432	46.945	ug/l	95
87) 1,2-Dichlorobenzene	13.62	146	369358	49.736	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	54045	44.322	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	184702	45.037	ug/l	94
90) Hexachlorobutadiene	14.98	225	96533	43.663	ug/l	99
91) Naphthalene	15.10	128	563577	46.457	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	181239	46.151	ug/l	99

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VSTDICC050

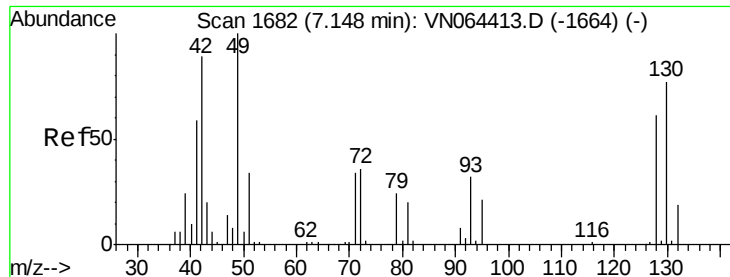
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l m

RT: 7.15 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

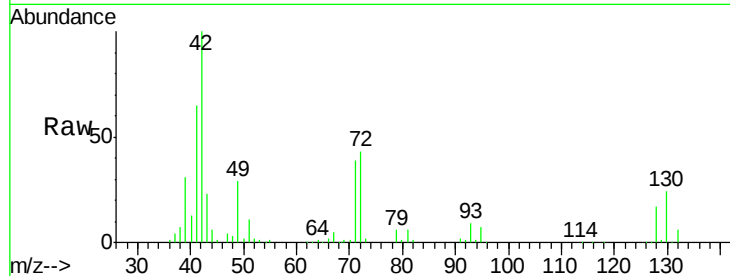
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
49	175.6	0.0	423.5
130	138.0	0.0	325.0

Manual Integrations
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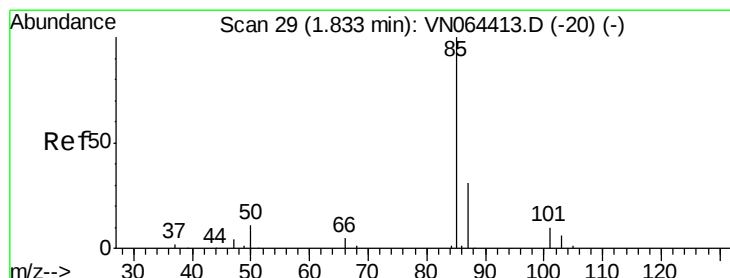
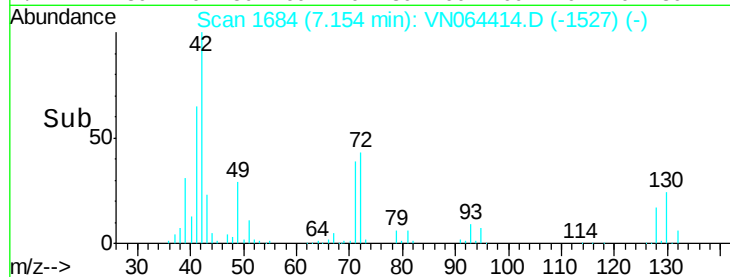
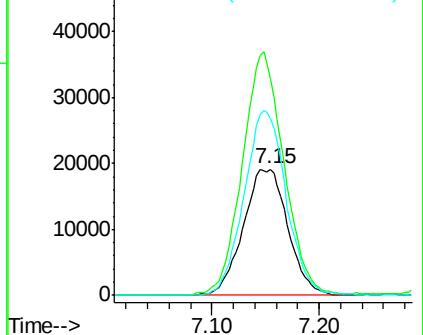
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 42.672 ug/l

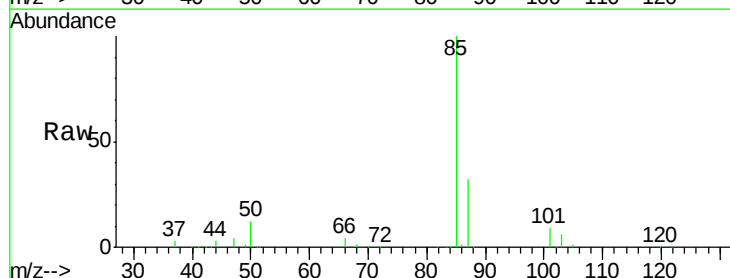
RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064414.D

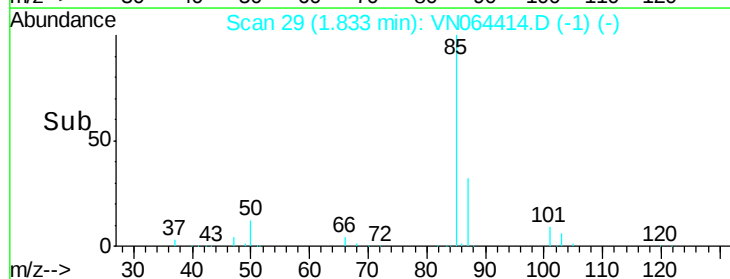
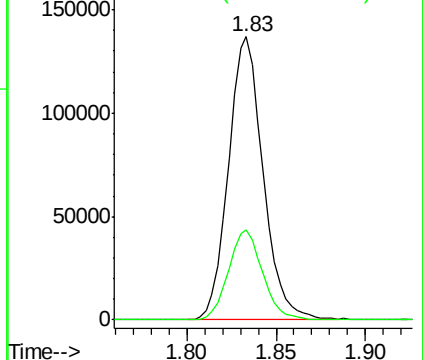
Acq: 2 Nov 2020 14:37

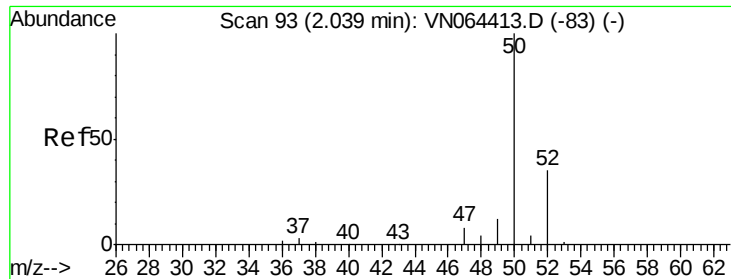
Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.7	47.1



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 46.188 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 190193

Ion Ratio Lower Upper

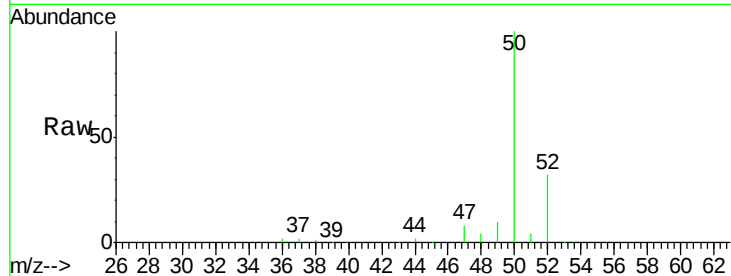
50 100

52 32.5 27.7 41.5

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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.04

150000

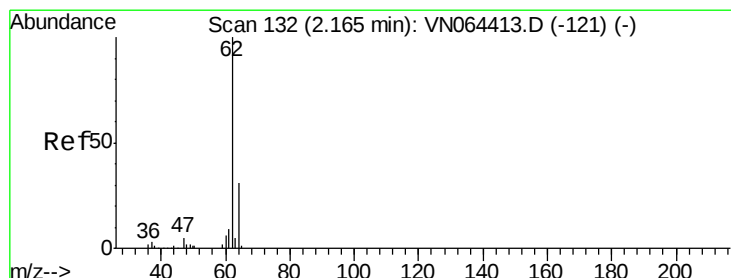
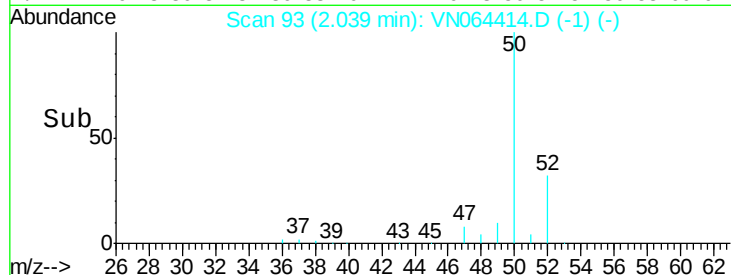
100000

50000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 49.163 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064414.D

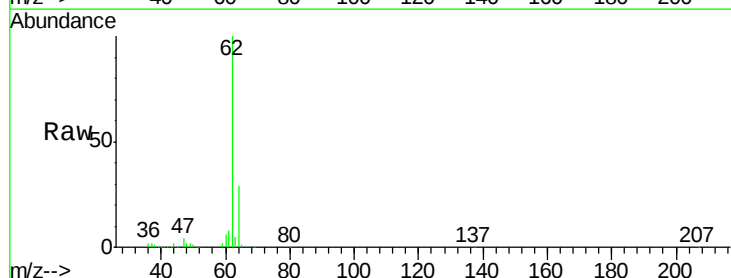
Acq: 2 Nov 2020 14:37

Tgt Ion: 62 Resp: 199055

Ion Ratio Lower Upper

62 100

64 28.7 24.5 36.7



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

2.16

150000

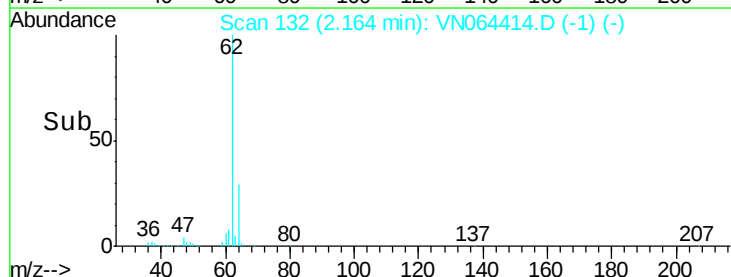
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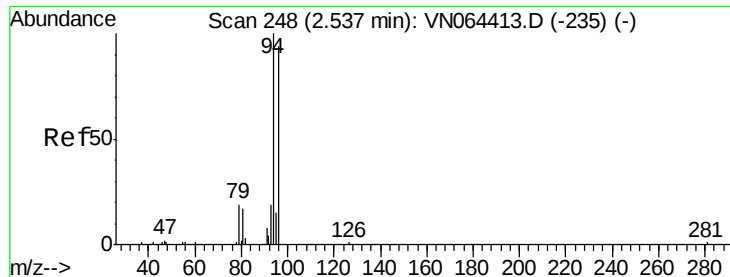
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 49.913 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 125667

Ion Ratio Lower Upper

94 100

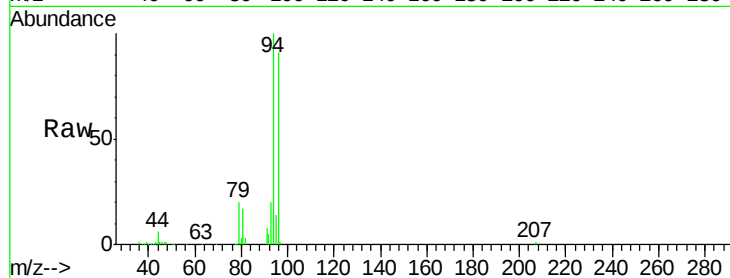
96 90.6 75.2 112.8

Manual Integrations

APPROVED

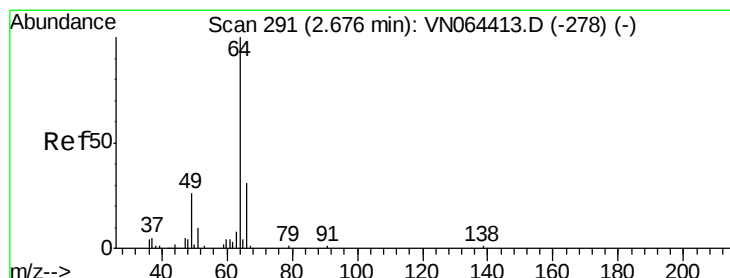
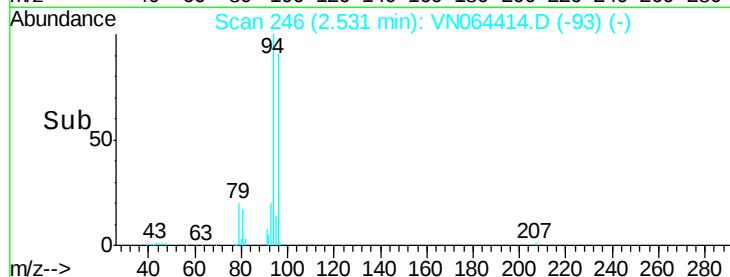
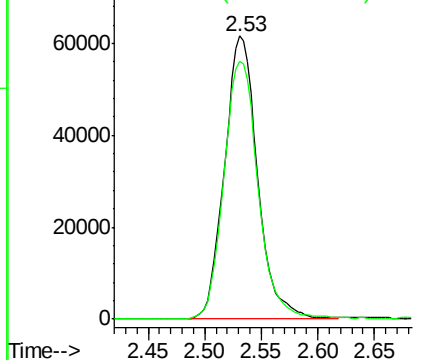
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 50.986 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064414.D

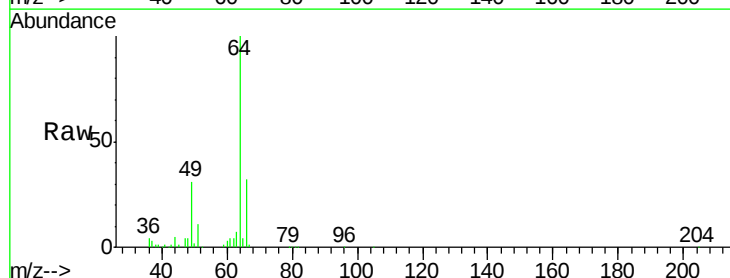
Acq: 2 Nov 2020 14:37

Tgt Ion: 64 Resp: 116469

Ion Ratio Lower Upper

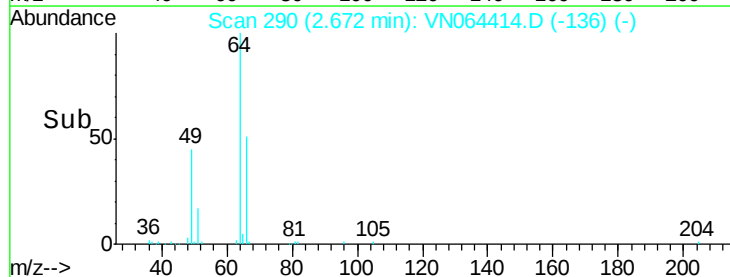
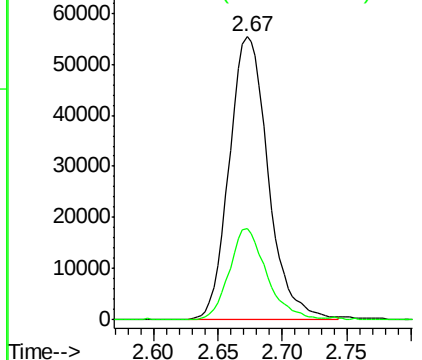
64 100

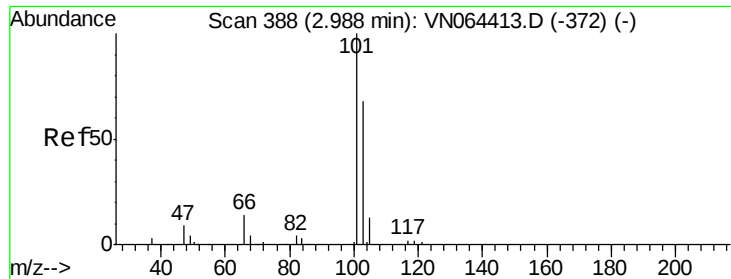
66 32.1 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

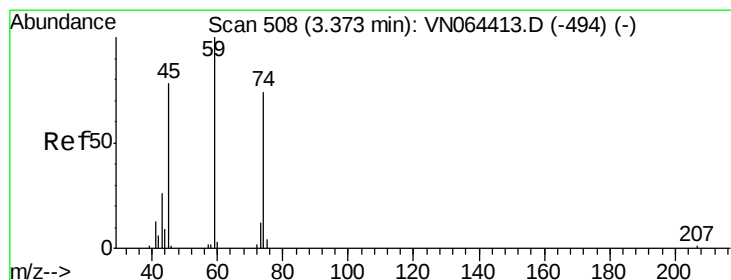
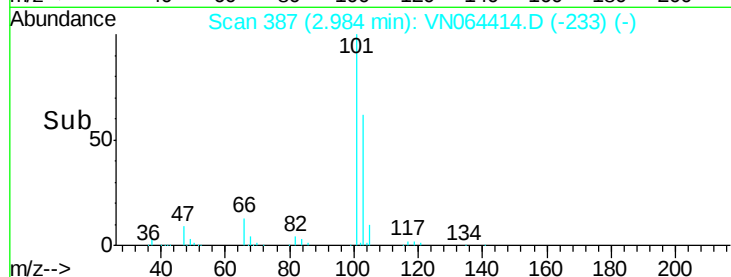
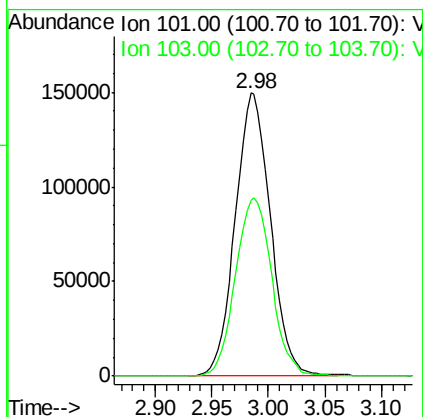
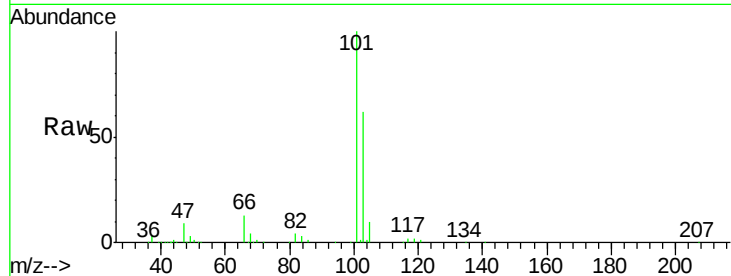
Trichlorofluoromethane
 Concen: 51.392 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Instrument :
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 VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	54.6	81.8

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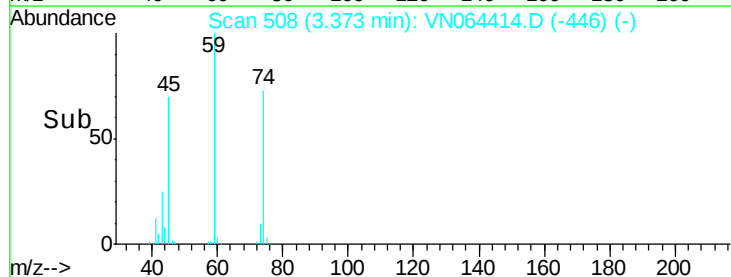
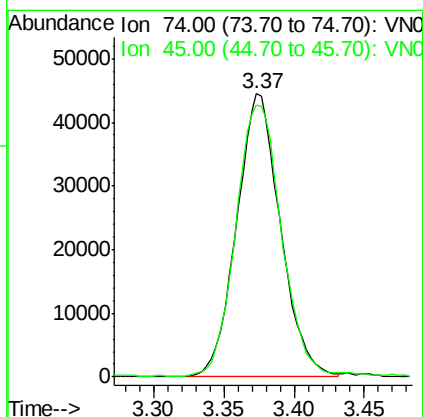
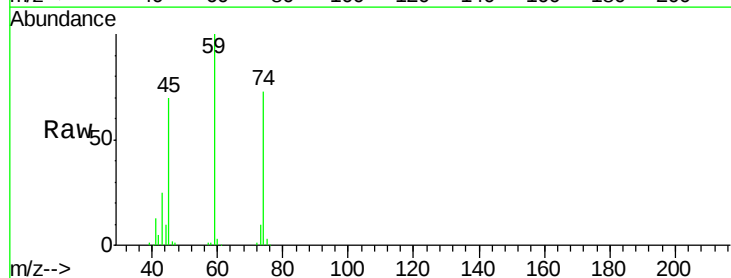
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 11/3/2020 2:20:46 PM

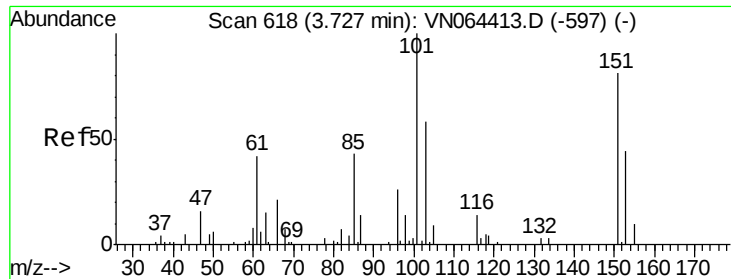


#8

Diethyl Ether
 Concen: 48.522 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	21.2	190.6





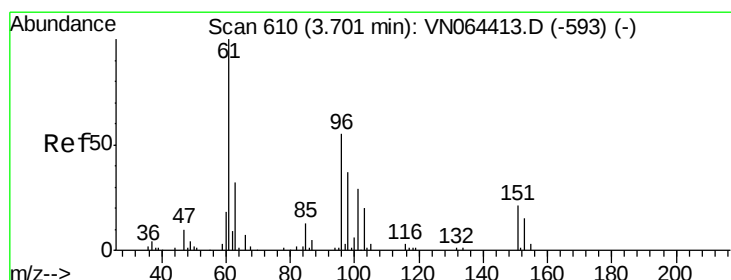
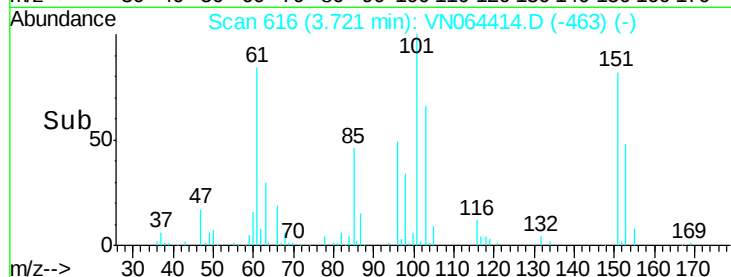
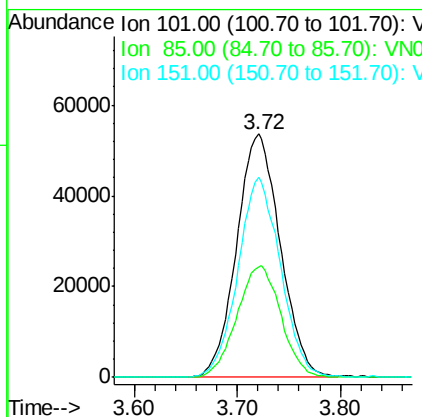
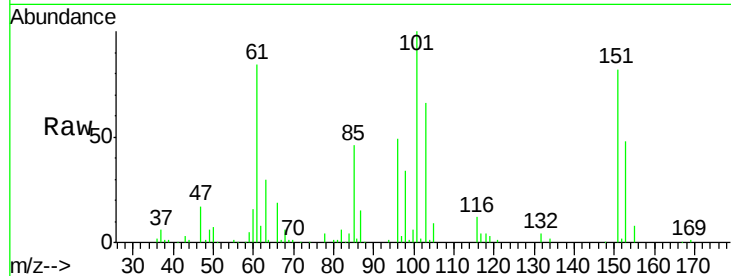
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.918 ug/l
 RT: 3.72 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	157686		
85	46.2	0.0	89.6	
151	80.0	0.0	158.8	

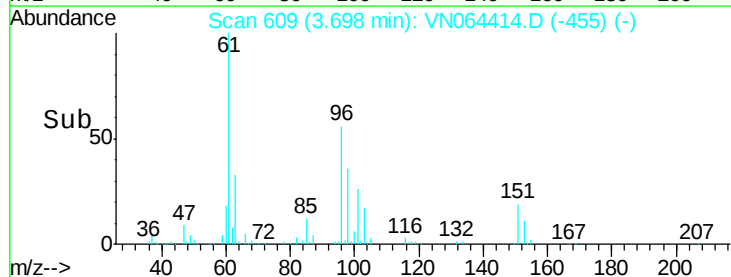
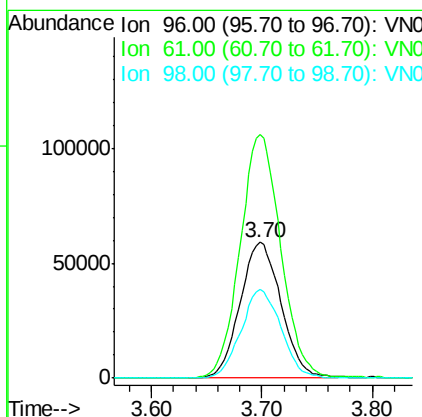
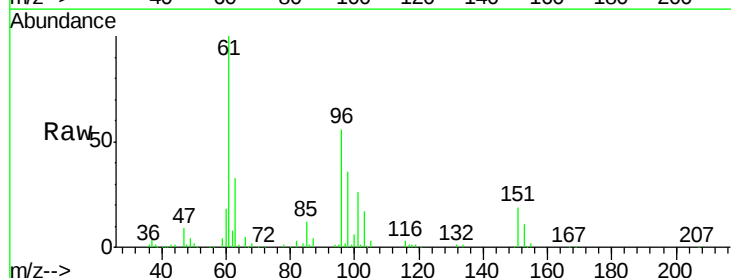
Manual Integrations
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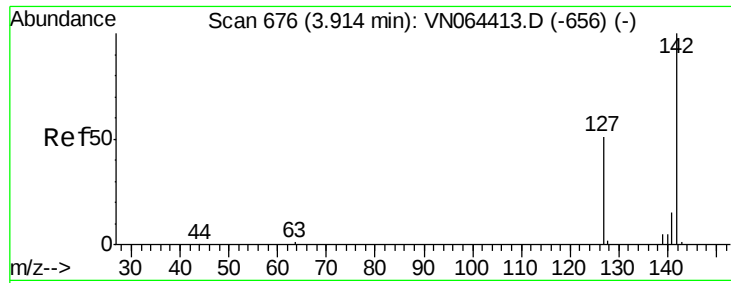
MMDadoda
 11/3/2020 2:20:46 PM



#10
 1,1-Dichloroethene
 Concen: 49.619 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	152205		
61	179.6	145.6	218.4	
98	65.1	53.9	80.9	





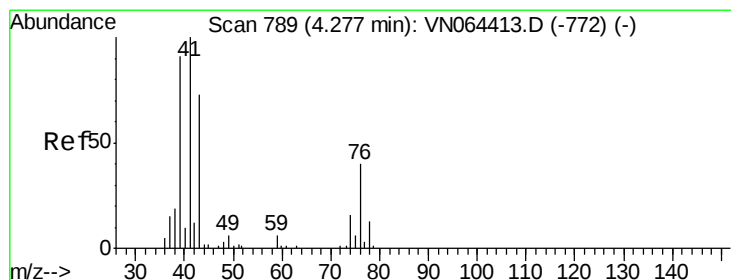
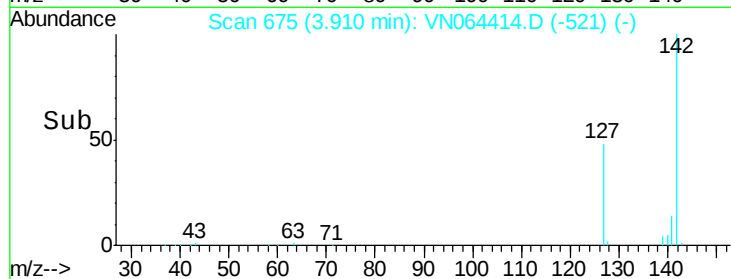
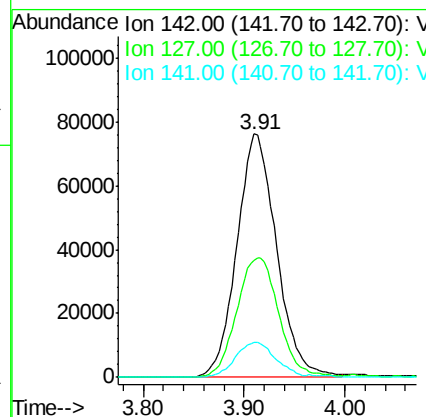
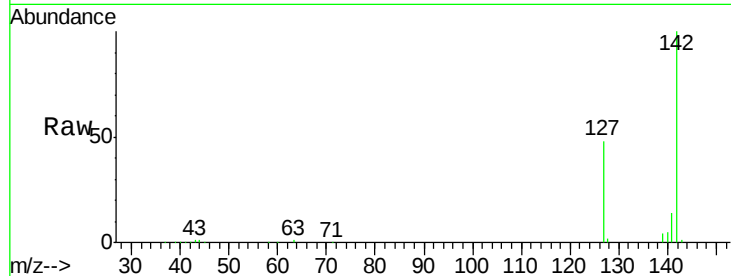
#11
Methyl Iodide
Concen: 47.915 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	48.3	25.4	76.2
141	14.4	7.8	23.3

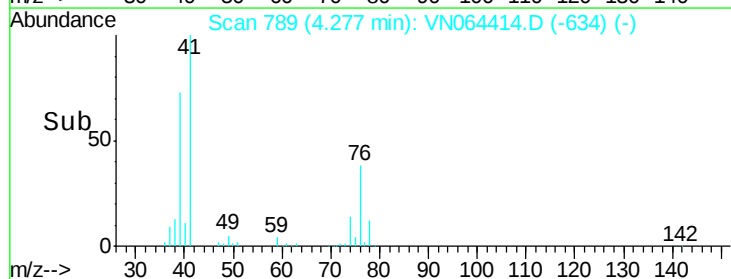
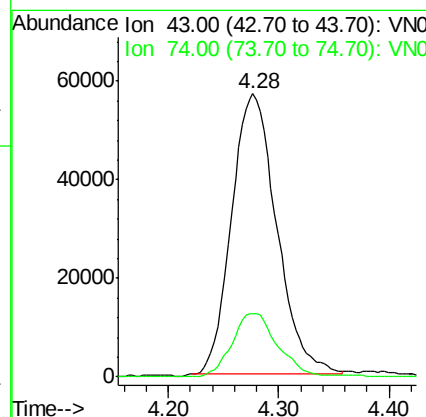
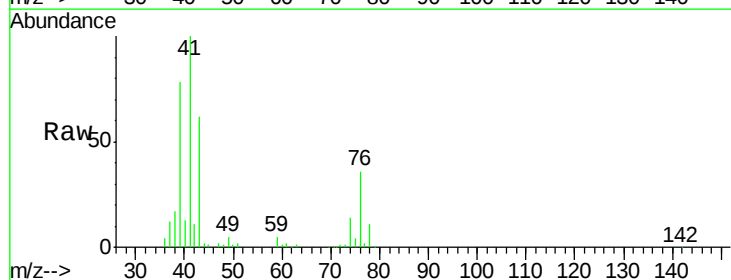
Manual Integrations
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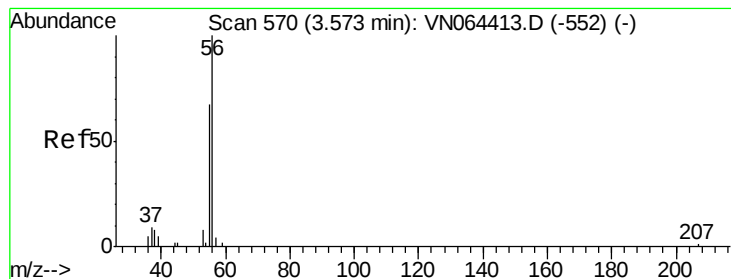
MMDadoda
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#12
Methyl Acetate
Concen: 44.931 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.1	25.7





#13

Acrolein

Concen: 307.639 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 81387

Ion Ratio Lower Upper

56 100

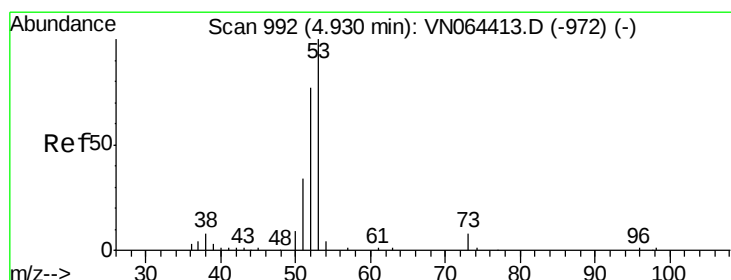
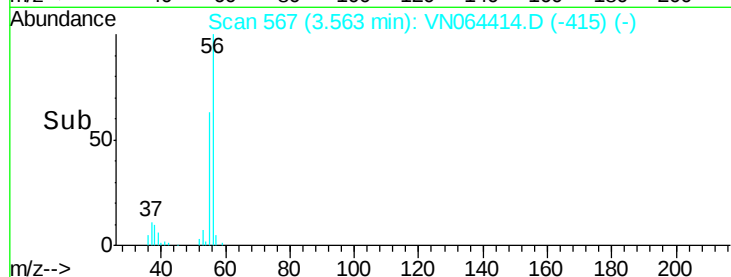
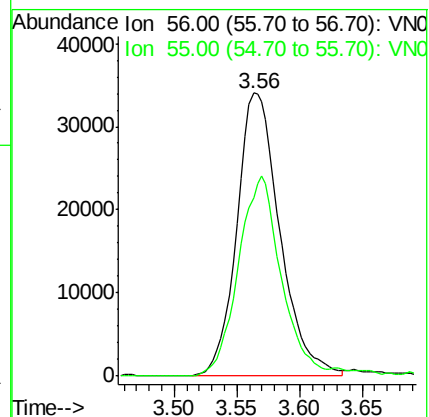
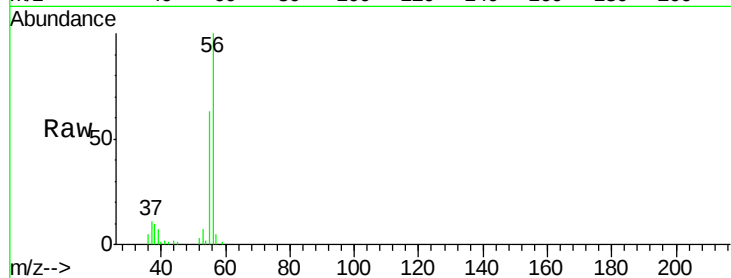
55 69.8 52.5 78.7

Manual Integrations

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#14

Acrylonitrile

Concen: 236.289 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

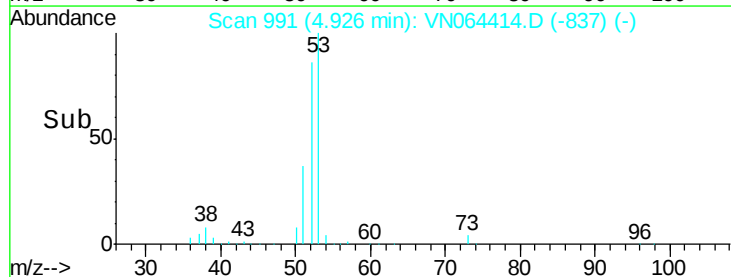
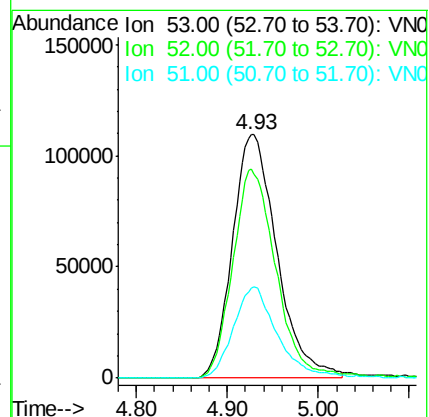
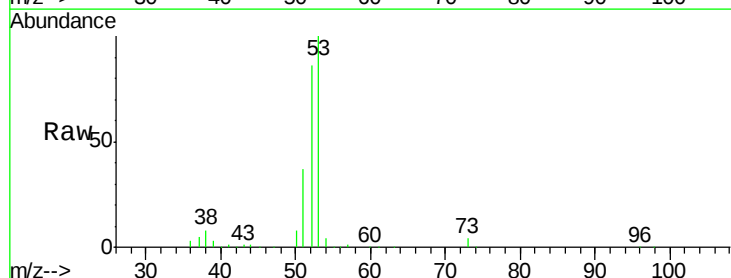
Tgt Ion: 53 Resp: 371470

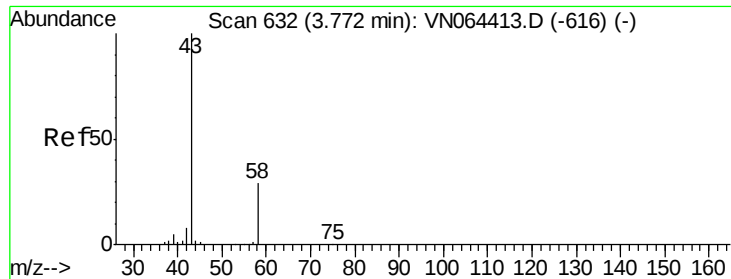
Ion Ratio Lower Upper

53 100

52 83.0 41.1 123.3

51 37.1 17.8 53.3





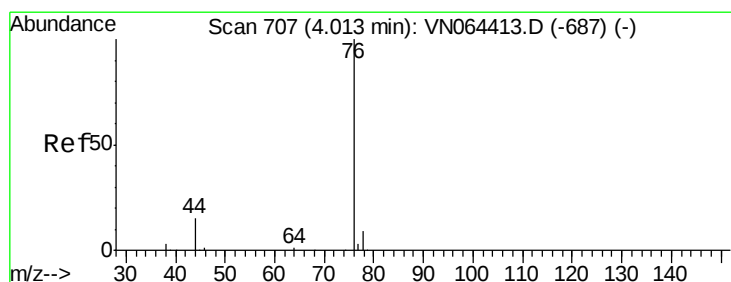
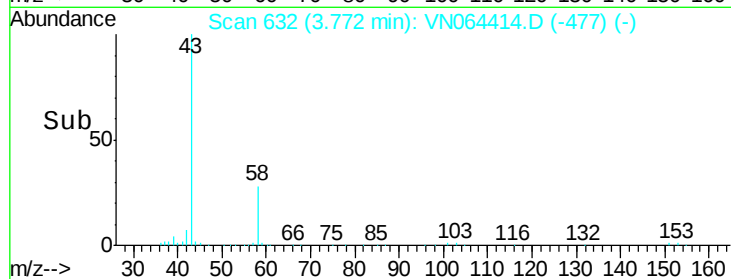
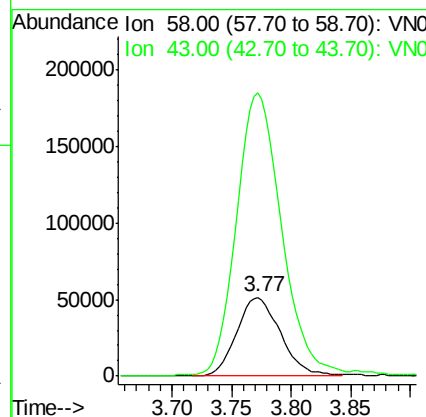
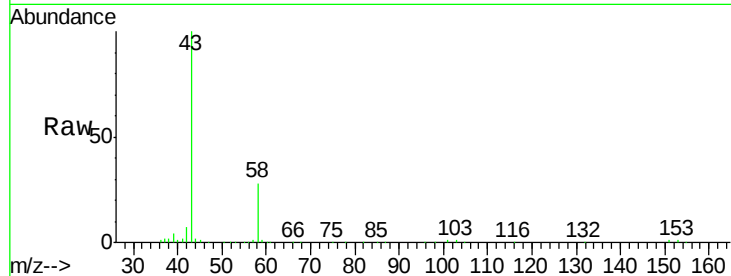
#15
Acetone
Concen: 279.358 ug/l
RT: 3.77 min Scan# 632
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 58 Resp: 131907
Ion Ratio Lower Upper
58 100
43 358.0 276.1 414.1

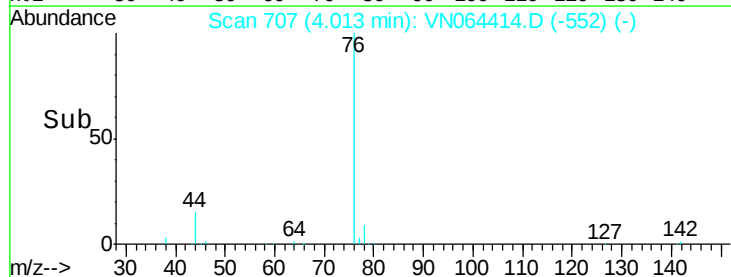
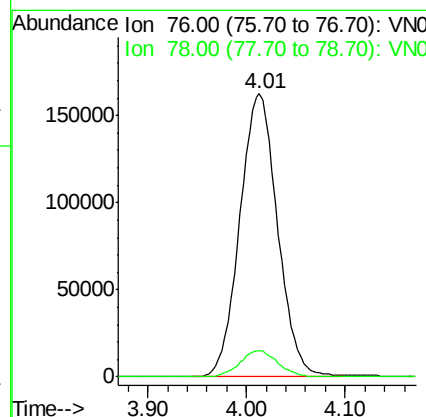
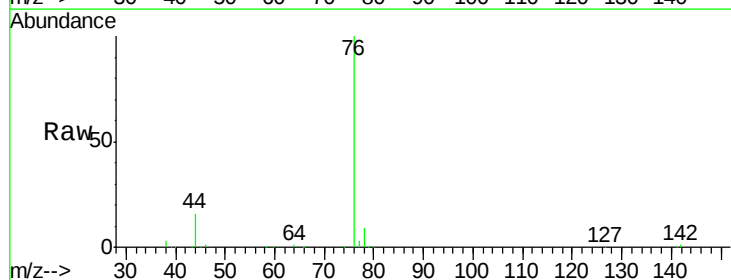
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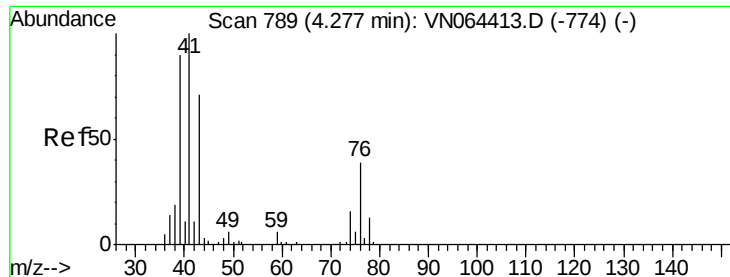
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#16
Carbon Disulfide
Concen: 47.258 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion: 76 Resp: 430897
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6





#17

Allvl chloride

Concen: 45.473 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

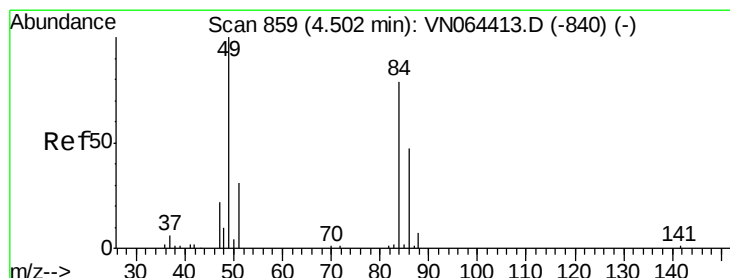
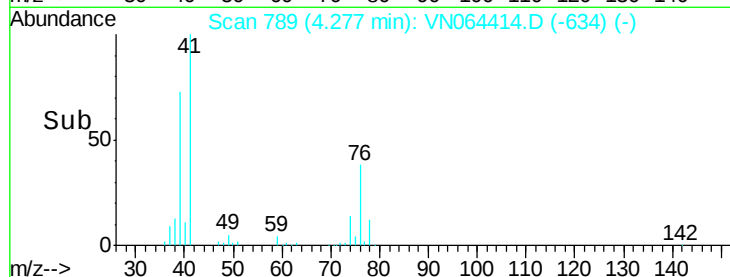
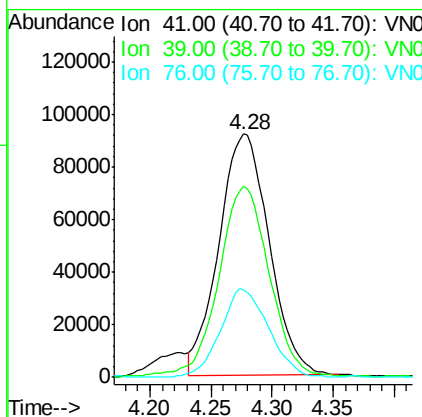
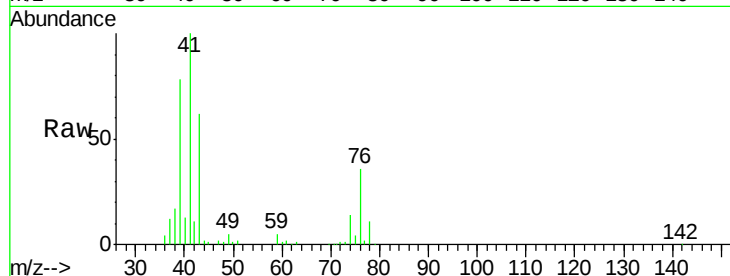
ClientSampleId :

VSTDIC050

Tot Ion:	41	Resp:	263726
Ion	Ratio	Lower	Upper
41	100		
39	78.3	42.3	126.8
76	36.0	18.6	55.8

Manual Integrations
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#18

Methylene Chloride

Concen: 49.964 ug/l

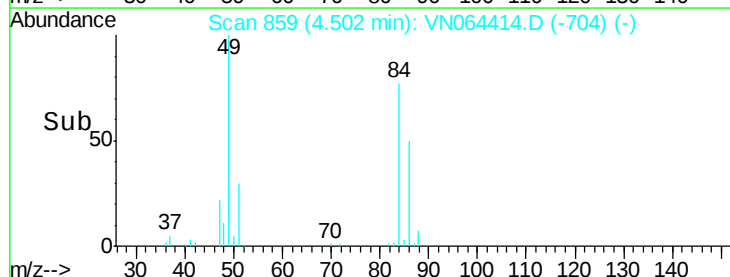
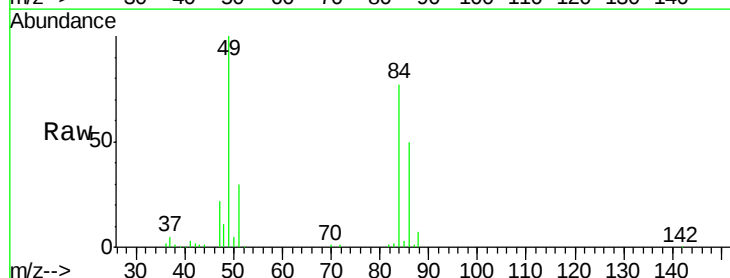
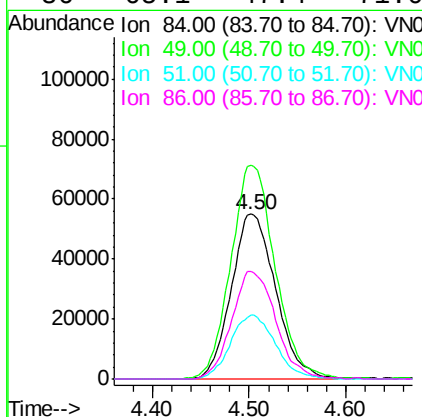
RT: 4.50 min Scan# 859

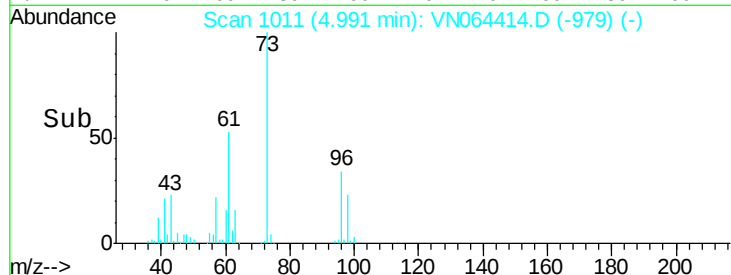
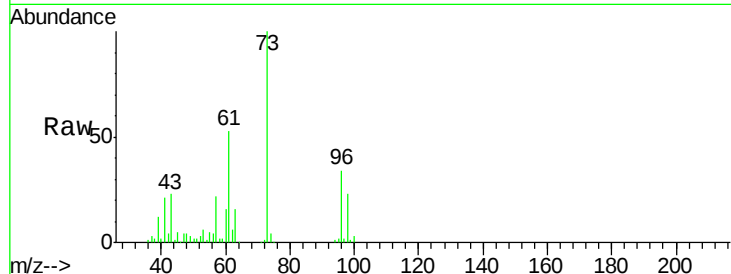
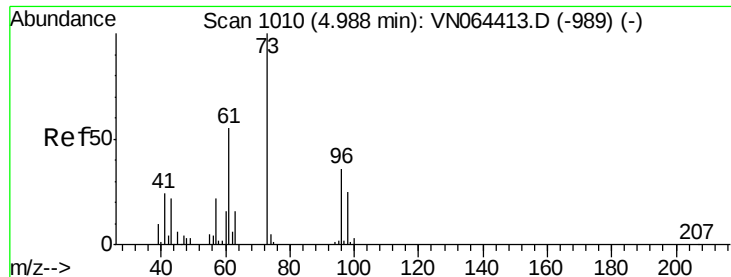
Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Tgt Ion:	84	Resp:	175573
Ion	Ratio	Lower	Upper
84	100		
49	128.8	101.0	151.4
51	38.9	31.2	46.8
86	65.1	47.4	71.0





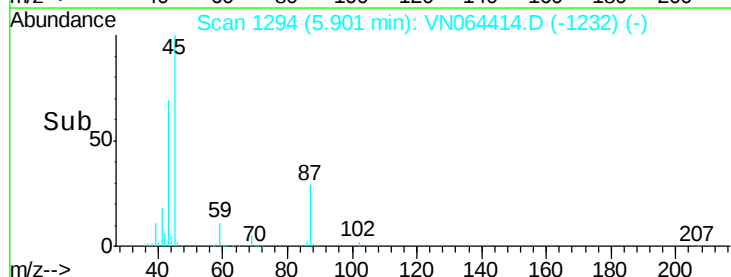
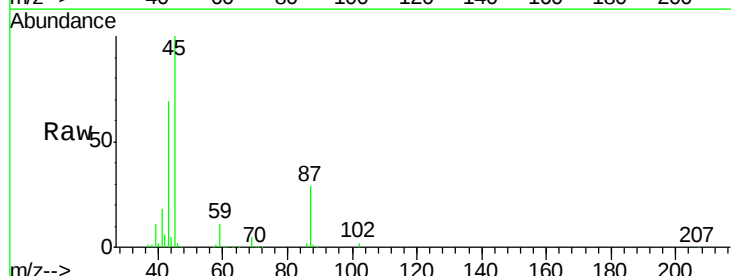
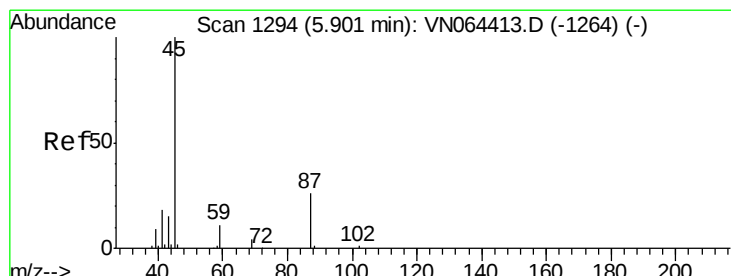
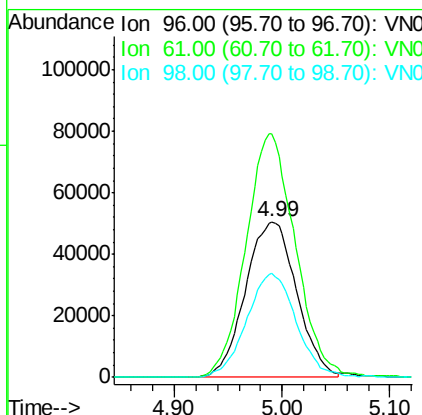
#19
trans-1,2-Dichloroethene
Concen: 49.283 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.1	121.4	182.0
98	66.7	55.5	83.3

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

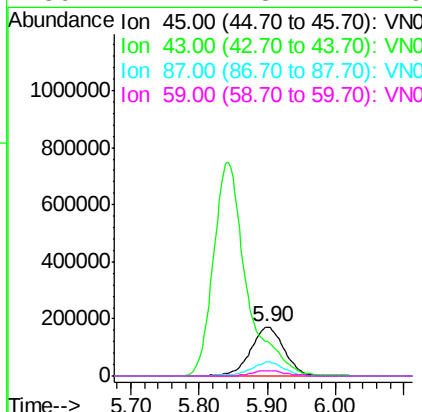
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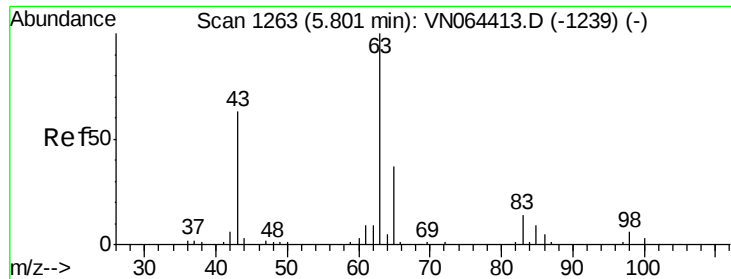
MMDadoda
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#20
Diisopropyl ether
Concen: 49.913 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.2	49.6	74.4
87	28.6	21.0	31.6
59	11.1	8.4	12.6





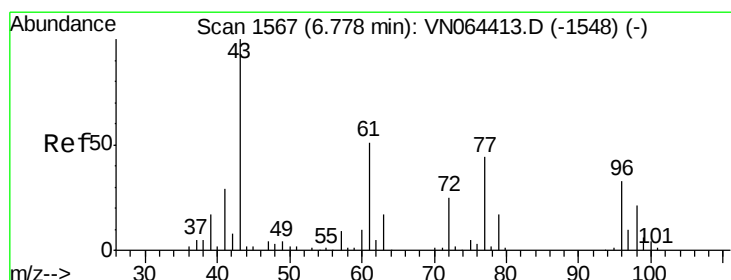
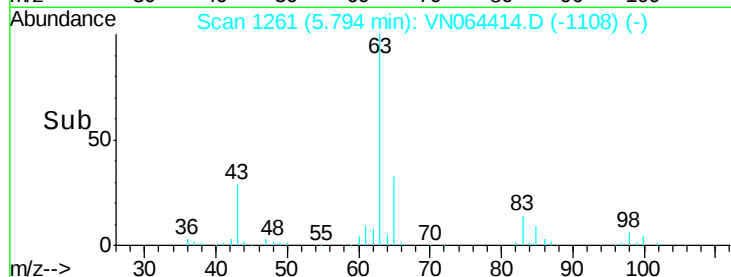
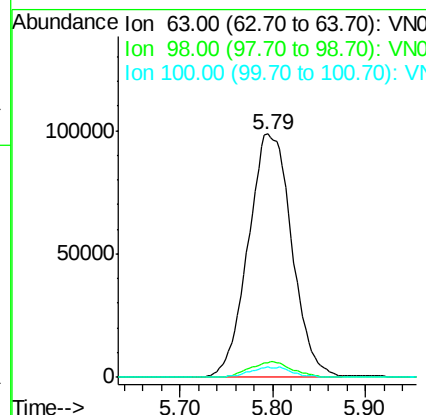
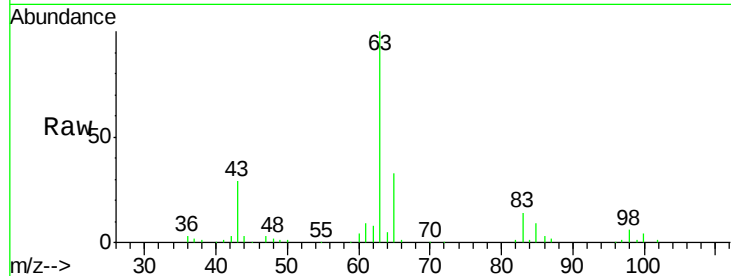
#21
 1,1-Dichloroethane
 Concen: 48.766 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.1	2.9	8.8	
100	4.2	1.5	4.5	

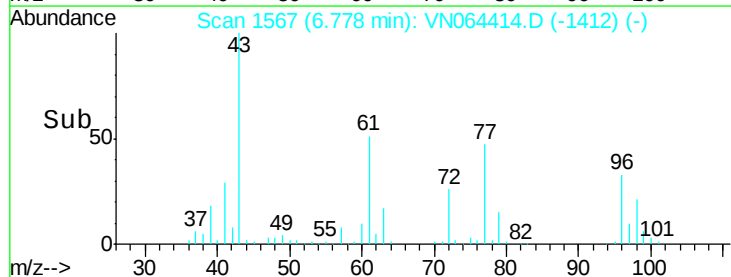
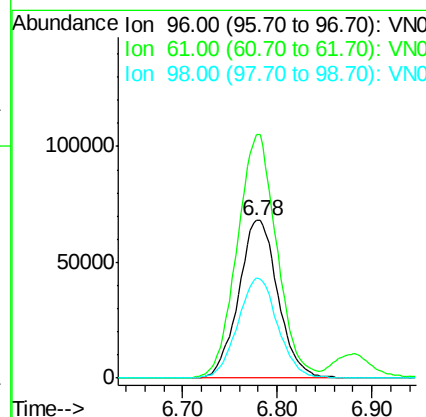
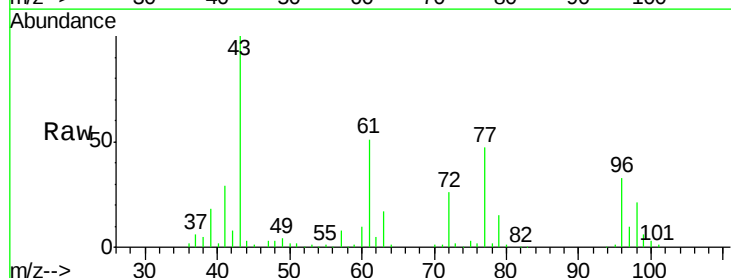
Manual Integrations
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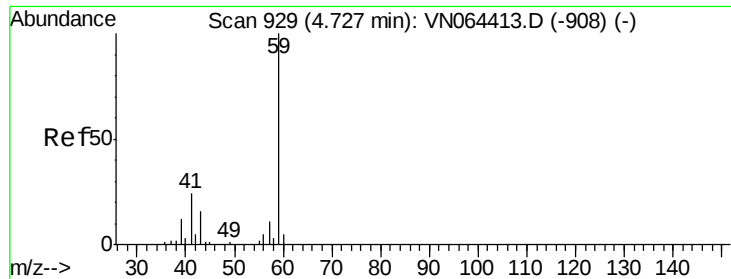
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#22
 cis-1,2-Dichloroethene
 Concen: 50.745 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	154.9	122.3	183.5	
98	63.8	49.6	74.4	





#23

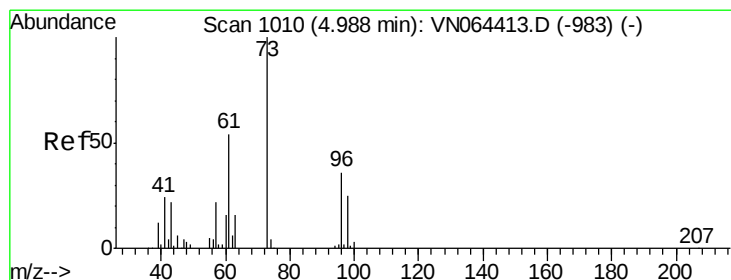
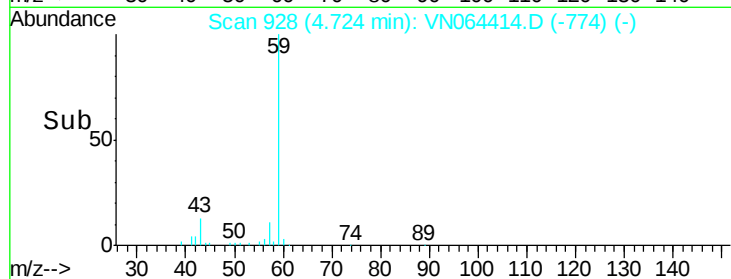
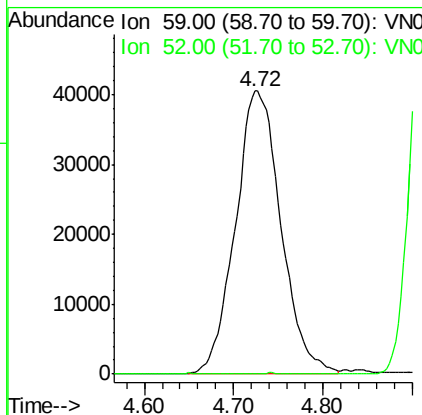
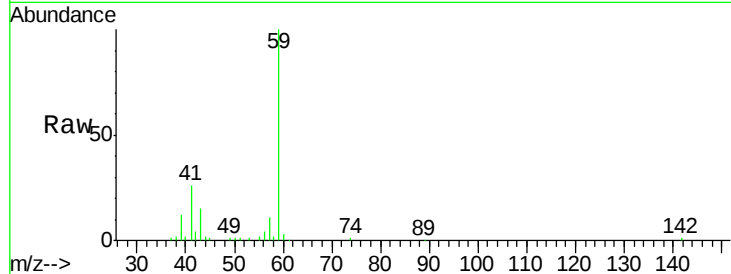
tert-Butyl Alcohol
 Concen: 204.466 ug/l
 RT: 4.72 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0#

Manual Integrations
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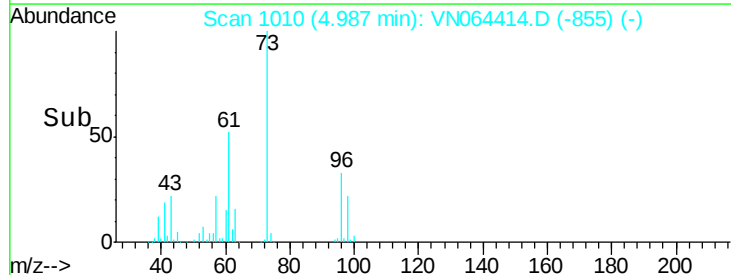
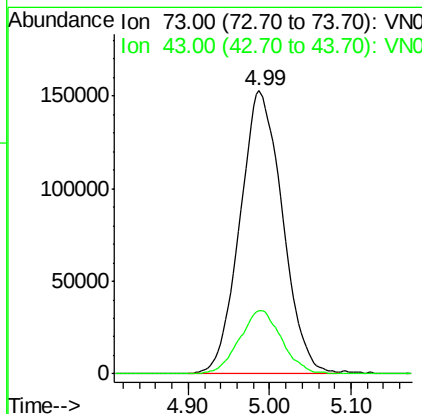
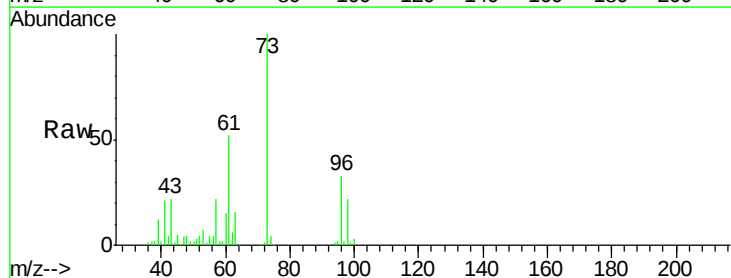
MMDadoda
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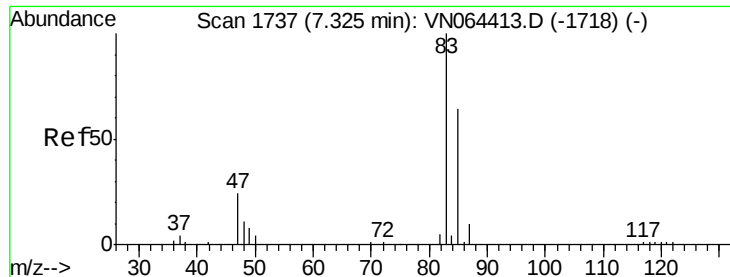


#24

Methyl tert-Butyl Ether
 Concen: 48.066 ug/l
 RT: 4.99 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.1	6.8	10.2#





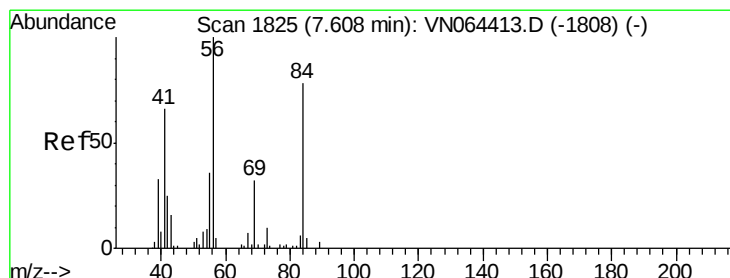
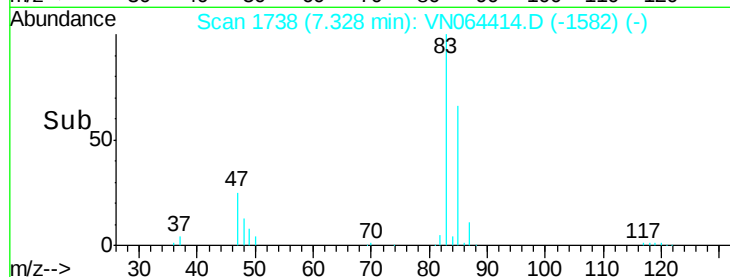
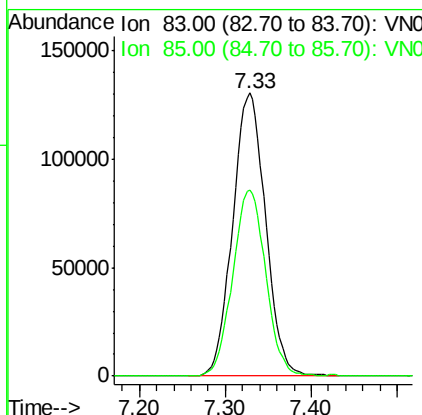
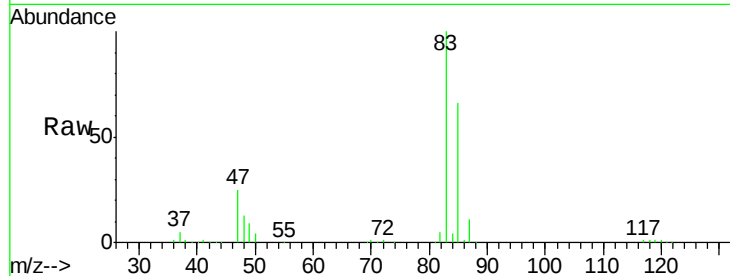
#25
Chloroform
Concen: 50.476 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	347133
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	51.0	76.4

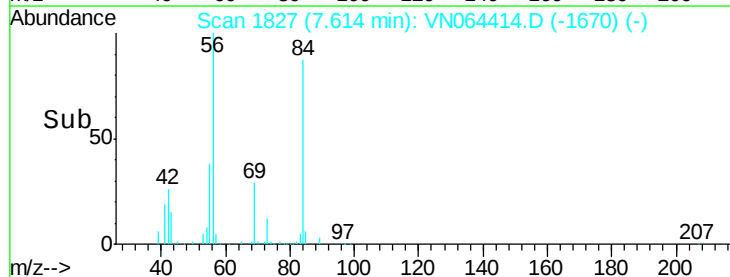
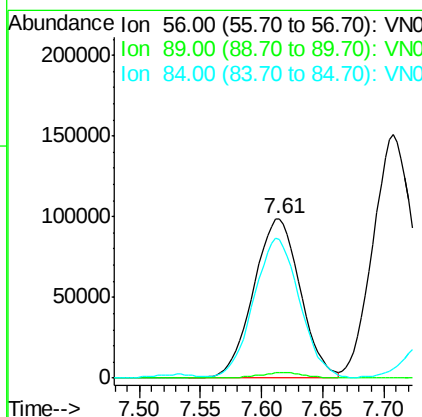
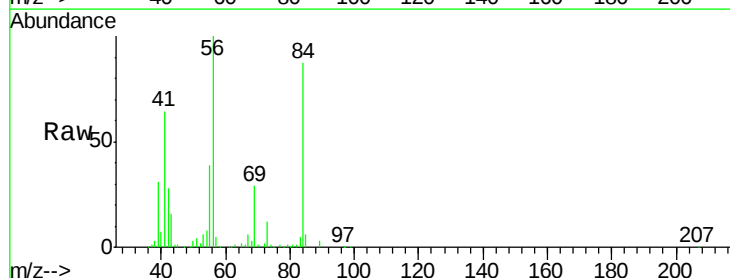
Manual Integrations
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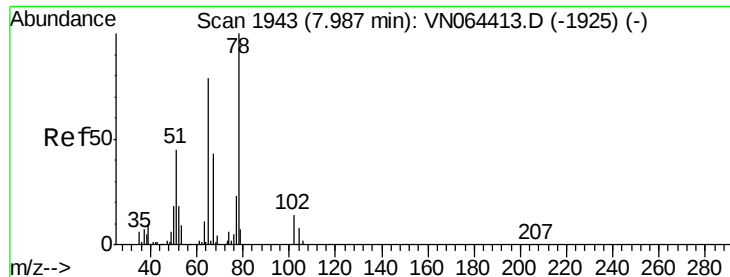
MMDadoda
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#26
Cyclohexane
Concen: 48.904 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion	56	Resp	263596
Ion Ratio	100	Lower	Upper
56	100		
89	3.3	2.3	3.5
84	86.2	69.4	104.0





#27

1,2-Dichloroethane-d4

Concen: 29.412 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 65 Resp: 143363

Ion Ratio Lower Upper

65 100

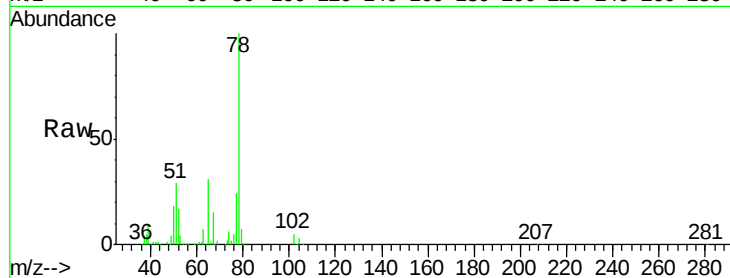
67 49.5 40.6 61.0

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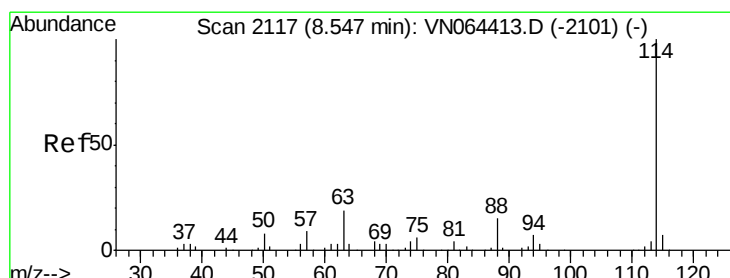
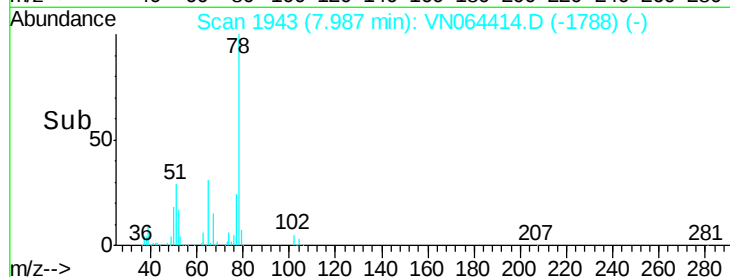
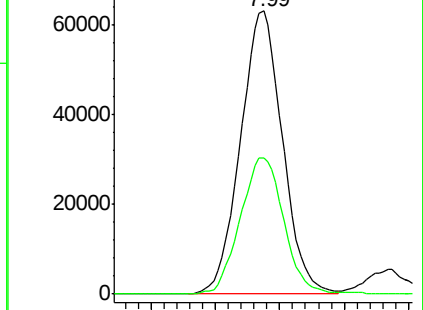
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VN064414.D (-1925) (-)

Ion 67.00 (66.70 to 67.70): VN064414.D (-1925) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

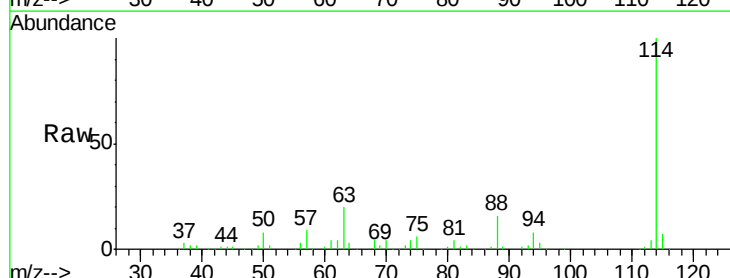
Tgt Ion: 114 Resp: 321391

Ion Ratio Lower Upper

114 100

63 20.2 16.2 24.4

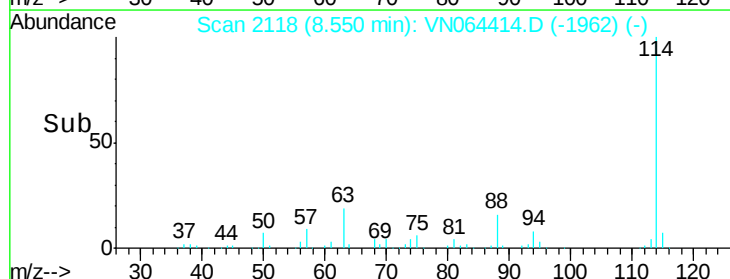
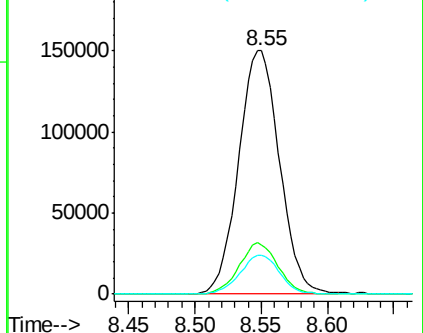
88 15.6 12.6 19.0

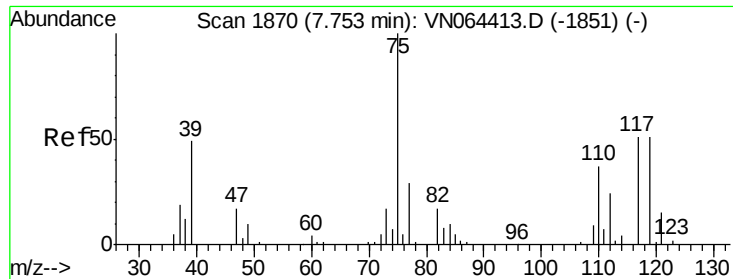


Abundance Ion 114.00 (113.70 to 114.70): VN064414.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN064414.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN064414.D (-2101) (-)





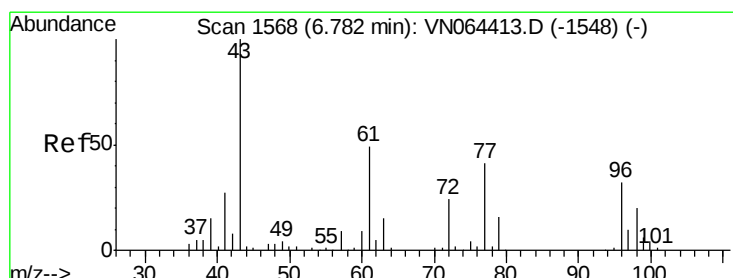
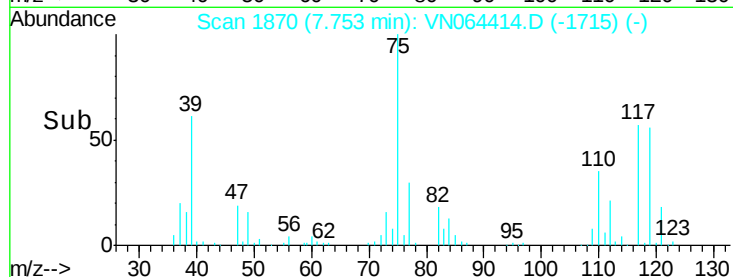
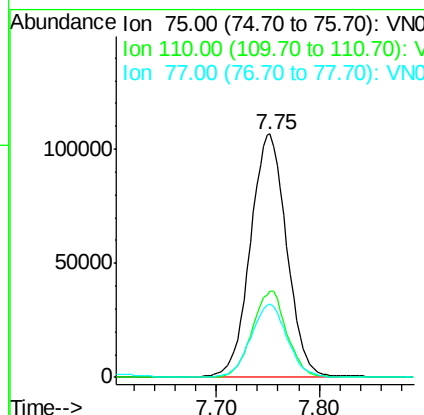
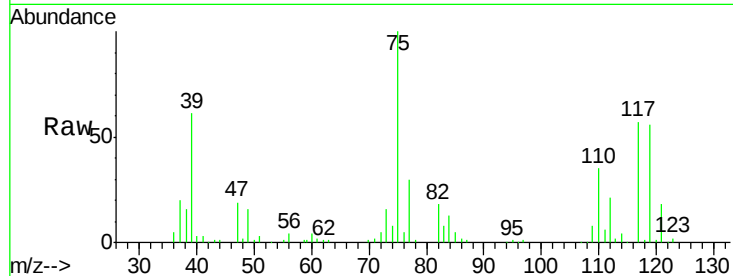
#29
 1,1-Dichloropropene
 Concen: 47.733 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.8	0.0	71.8
77	30.4	0.0	32.4

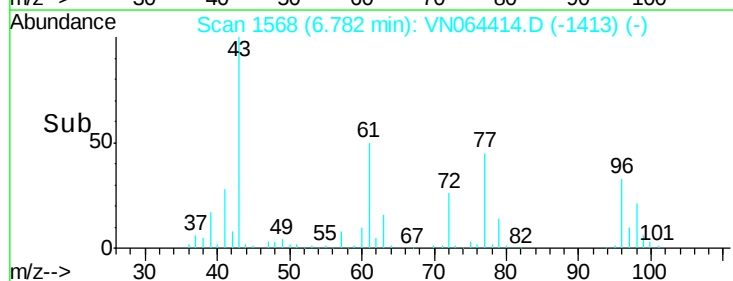
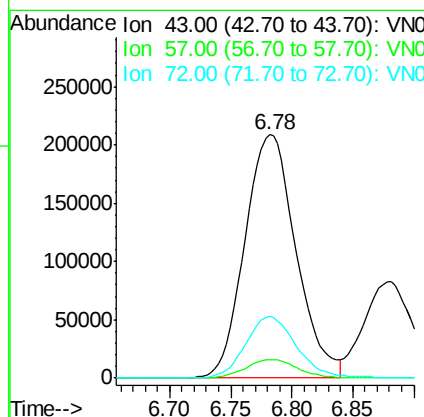
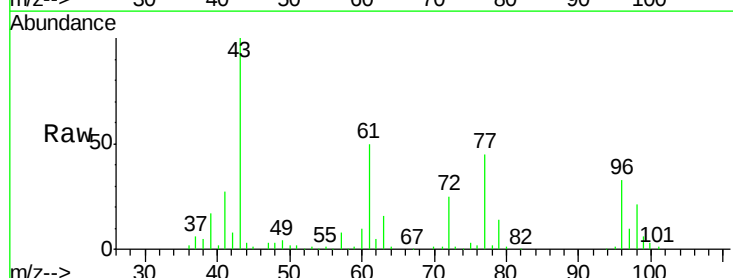
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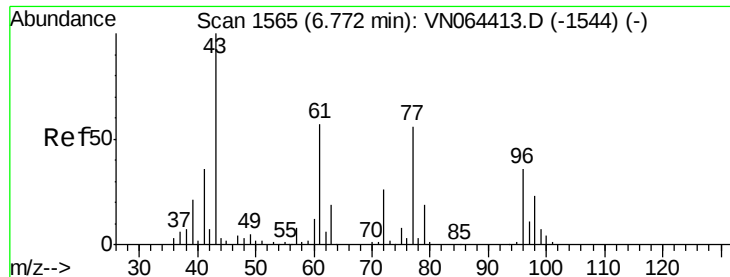
MMDadoda
 11/3/2020 2:20:46 PM



#30
 2-Butanone
 Concen: 233.589 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.7	6.6	9.8
72	25.0	20.0	30.0





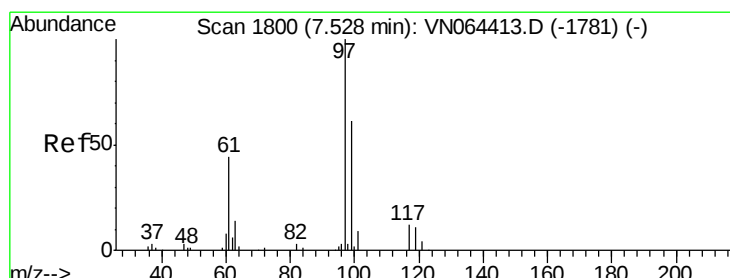
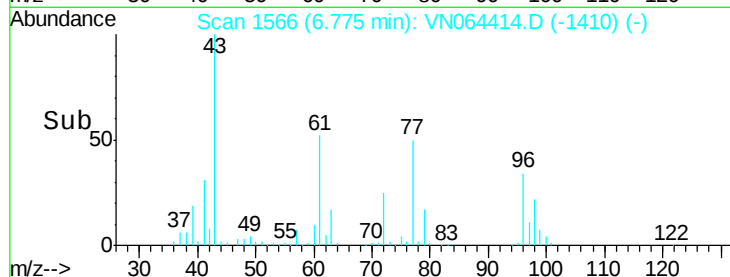
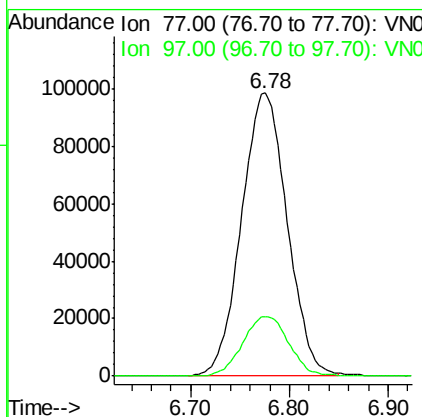
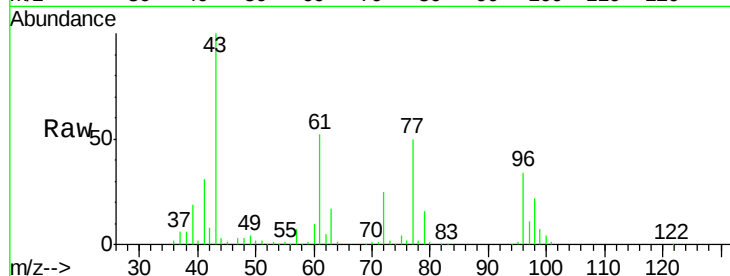
#31
 2,2-Dichloropropane
 Concen: 48.003 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion: 77 Resp: 315463
 Ion Ratio Lower Upper
 77 100
 97 21.2 17.4 26.0

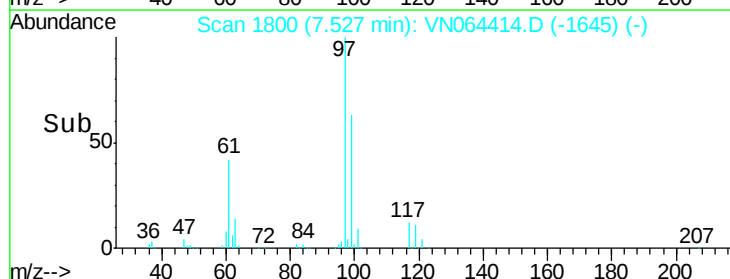
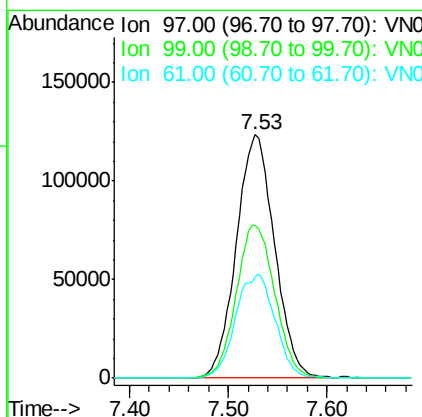
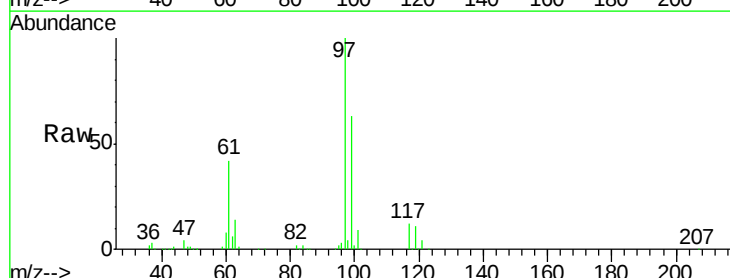
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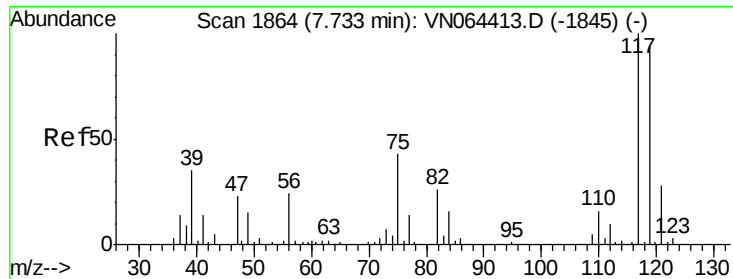
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#32
 1,1,1-Trichloroethane
 Concen: 48.165 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion: 97 Resp: 332427
 Ion Ratio Lower Upper
 97 100
 99 63.3 49.8 74.8
 61 43.8 34.9 52.3





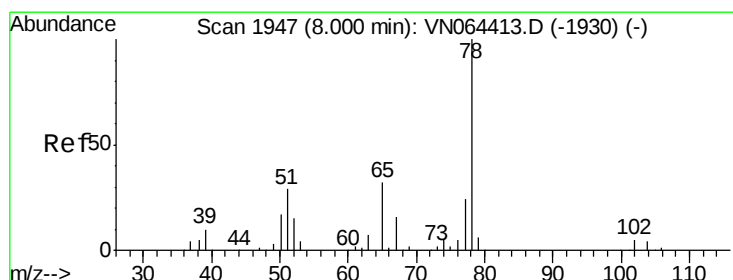
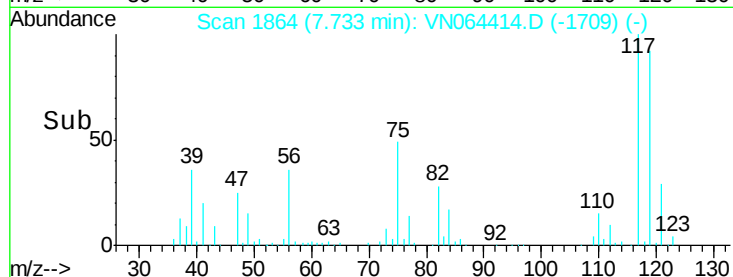
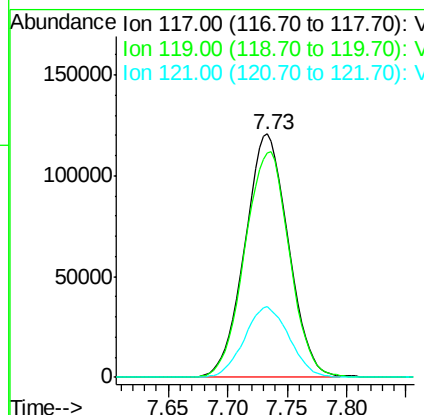
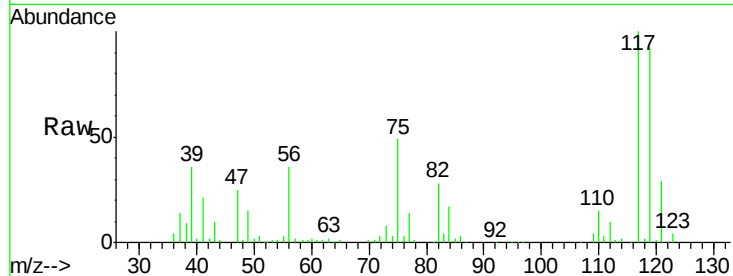
#33
Carbon Tetrachloride
Concen: 48.533 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.1	75.0	112.4
121	28.9	22.1	33.1

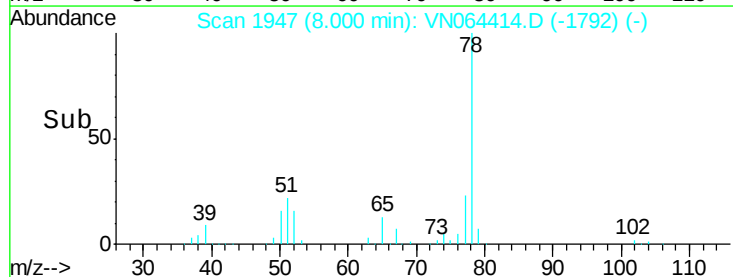
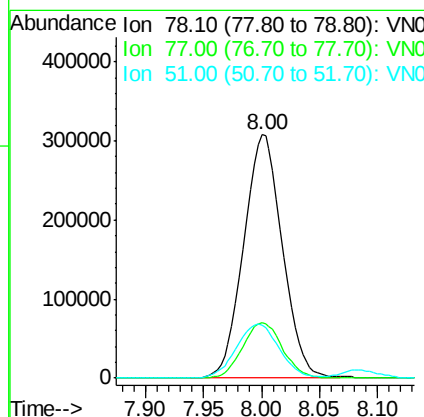
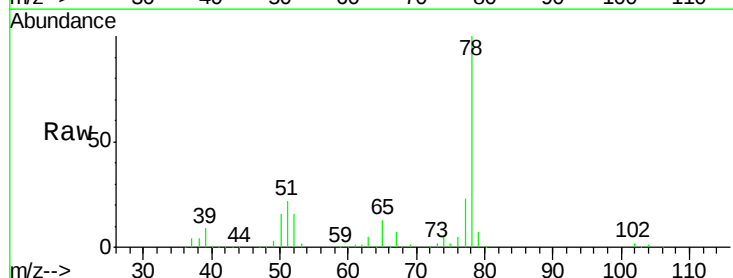
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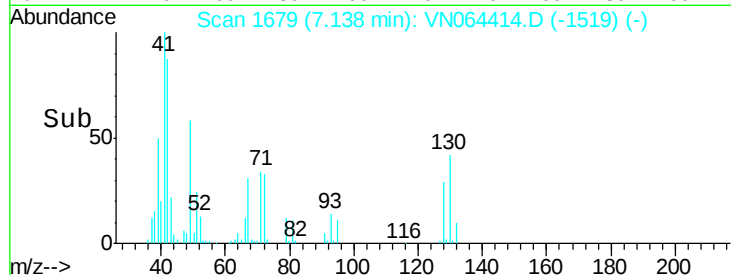
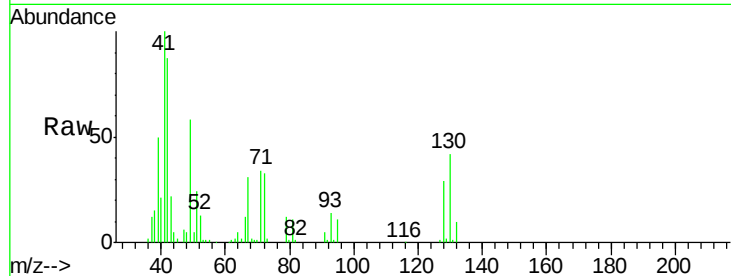
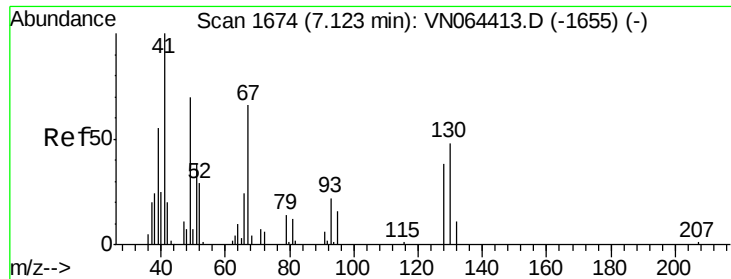
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#34
Benzene
Concen: 48.420 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.0	28.4
51	21.9	23.1	34.7#





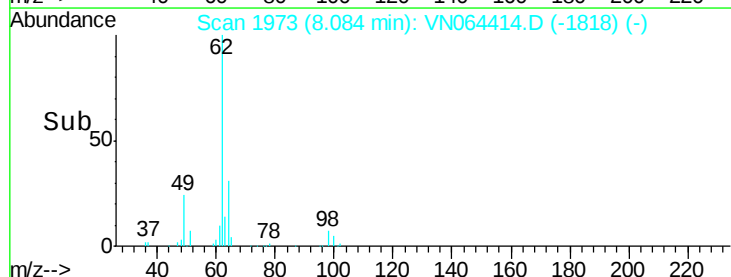
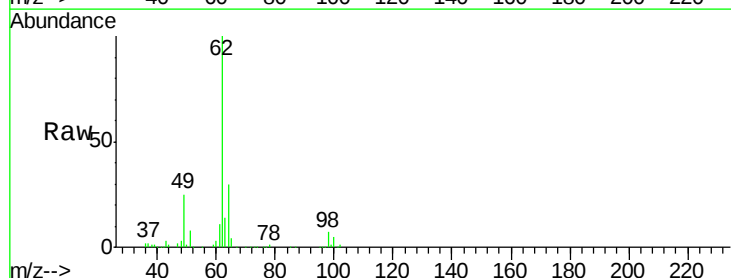
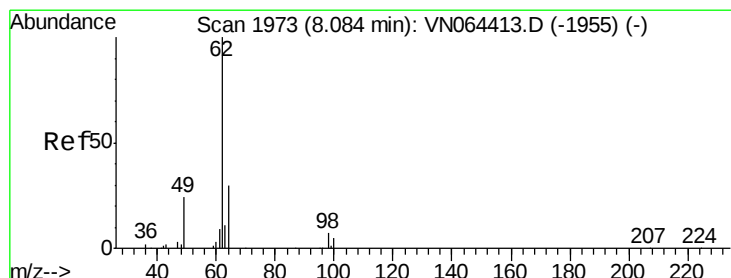
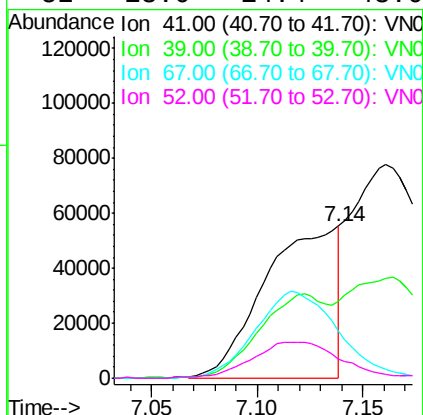
#35
Methacrylonitrile
Concen: 50.759 ug/l m
RT: 7.14 min Scan# 1679
Delta R.T. 0.02 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.2	27.8	83.3
67	31.3	32.9	98.6#
52	13.0	14.4	43.0#

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

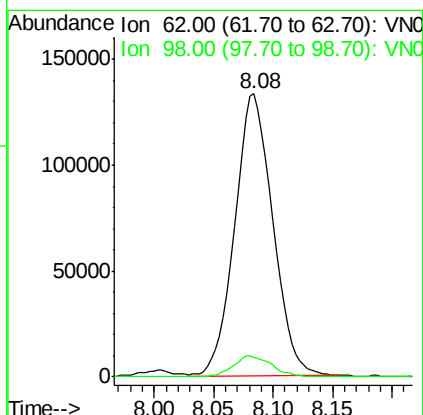
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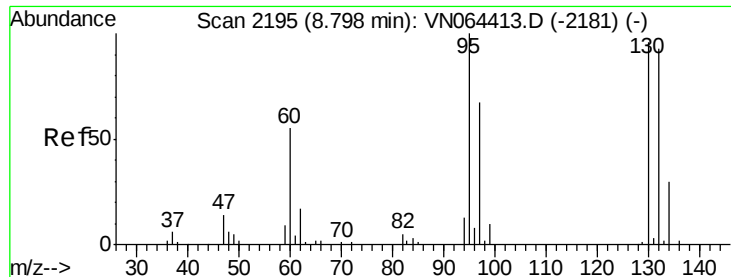
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#36
1,2-Dichloroethane
Concen: 45.563 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.5	6.2	9.2





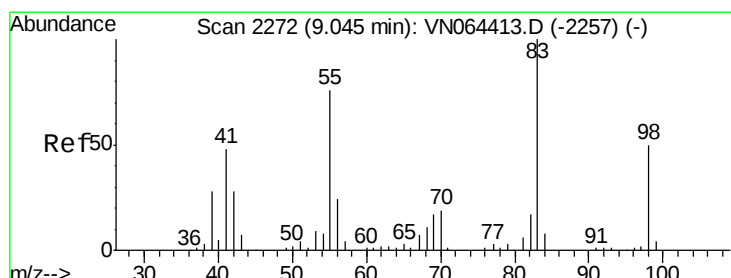
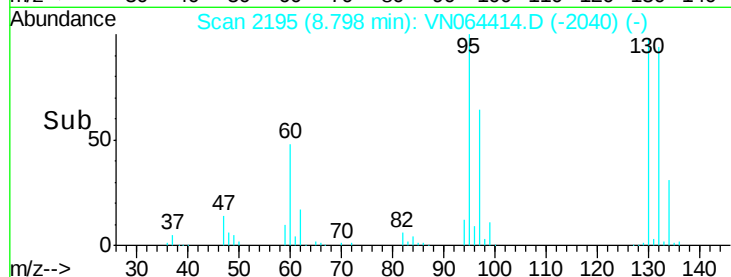
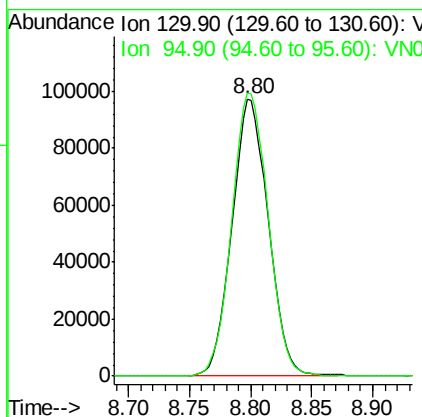
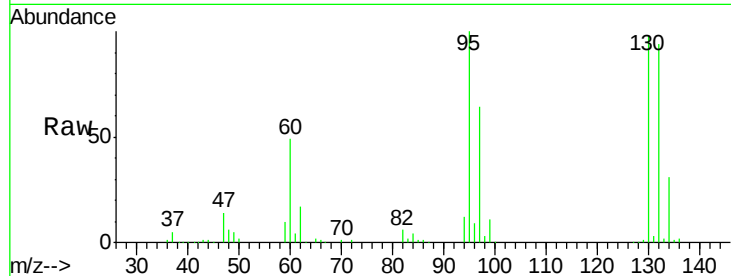
#37
 Trichloroethene
 Concen: 49.521 ug/l
 RT: 8.80 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 200532
 Ion Ratio Lower Upper
 130 100
 95 102.0 83.6 125.4

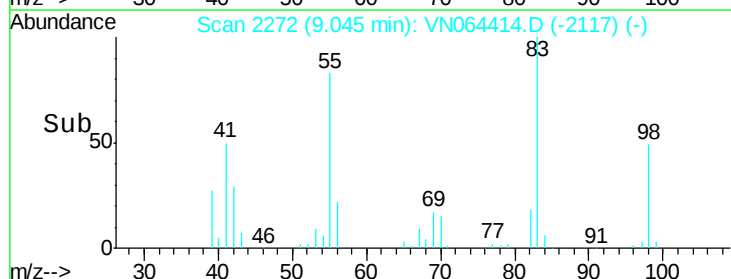
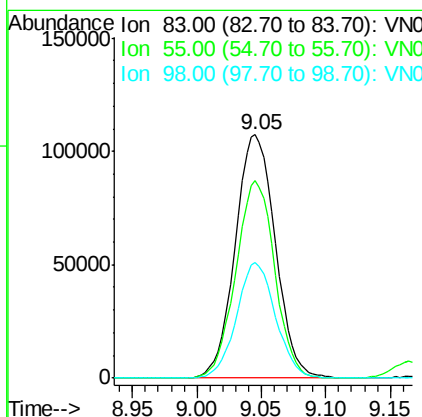
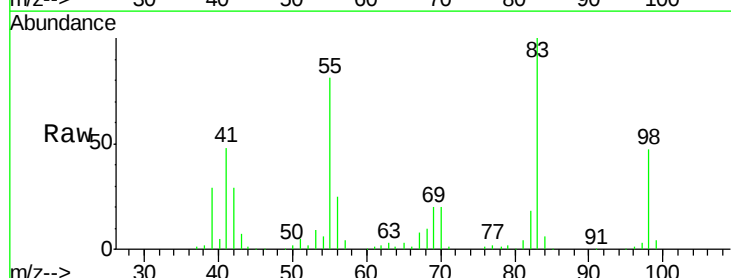
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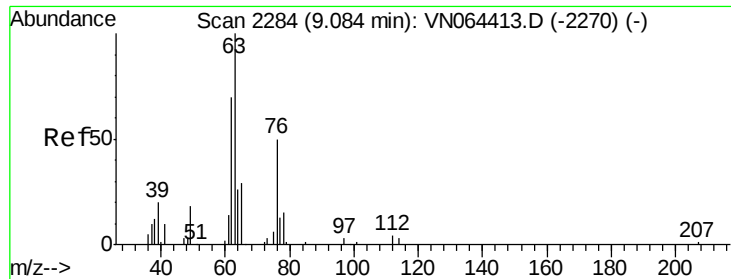
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#38
 Methylcyclohexane
 Concen: 44.344 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion: 83 Resp: 232569
 Ion Ratio Lower Upper
 83 100
 55 78.6 38.3 114.9
 98 46.2 24.6 74.0





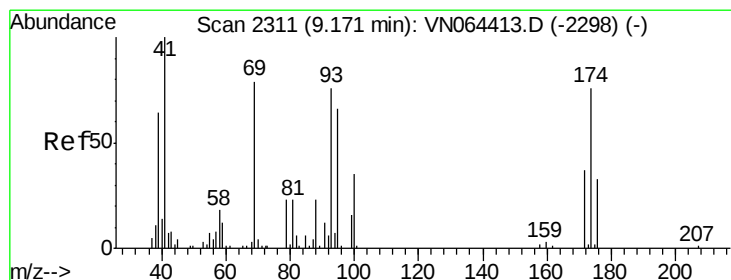
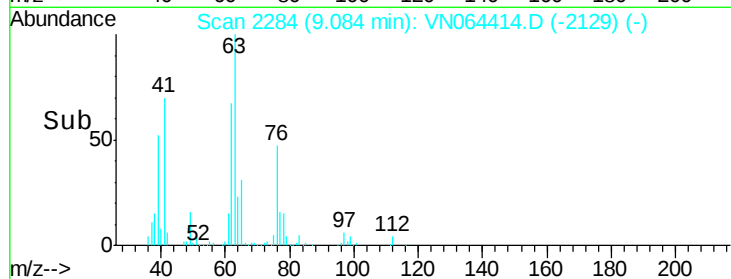
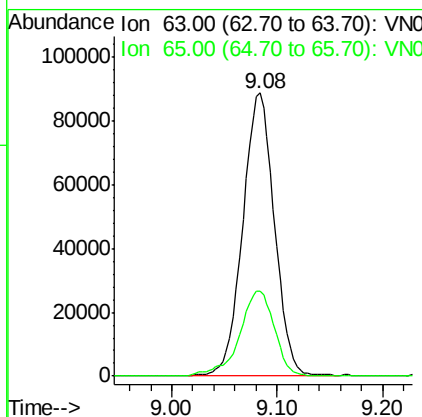
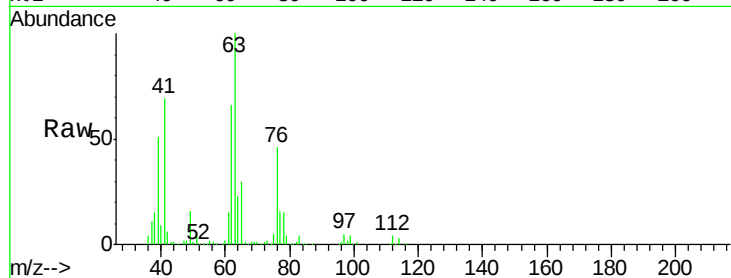
#39
 1,2-Dichloropropane
 Concen: 47.206 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 63 Resp: 185512
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6

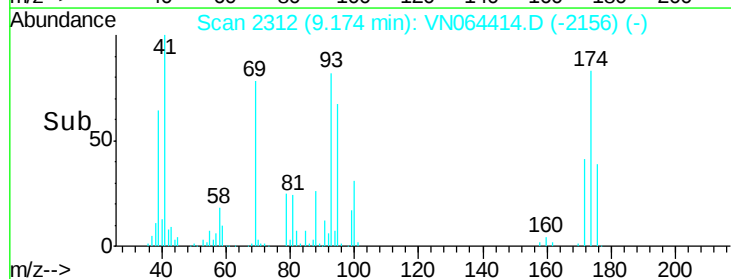
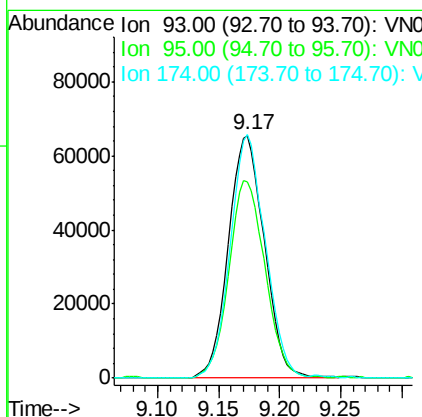
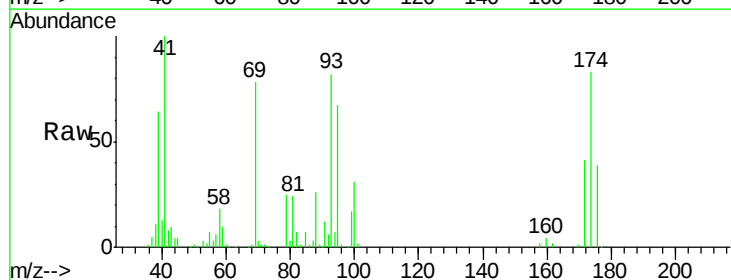
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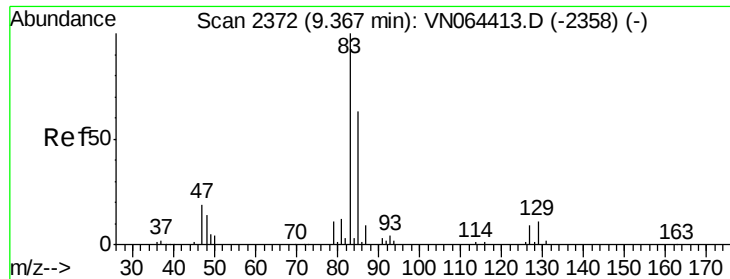
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#40
 Dibromomethane
 Concen: 48.534 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion: 93 Resp: 134211
 Ion Ratio Lower Upper
 93 100
 95 82.3 0.0 170.0
 174 97.7 0.0 199.8





#41

Bromodichloromethane

Concen: 47.762 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

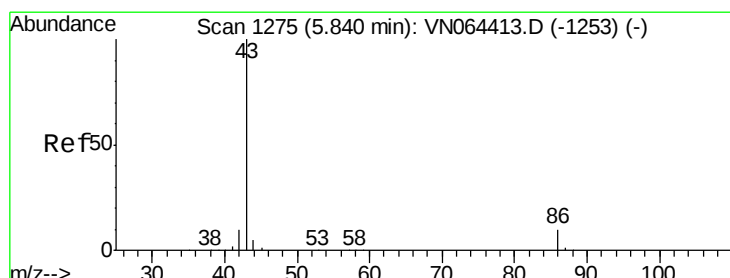
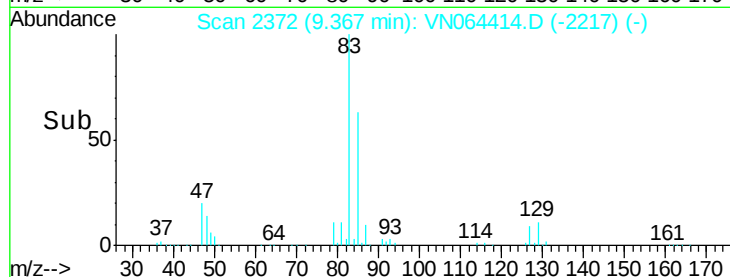
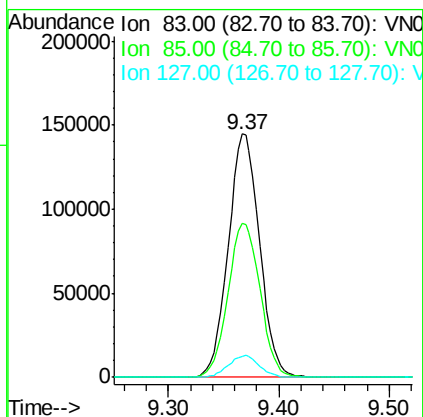
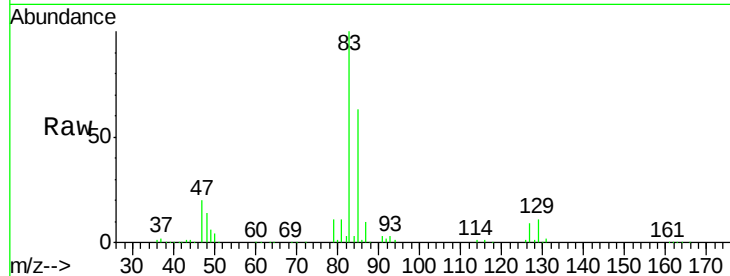
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	284769
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.5	75.7
127	8.7	7.0	10.6

Manual Integrations
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#42

Vinyl Acetate

Concen: 231.377 ug/l

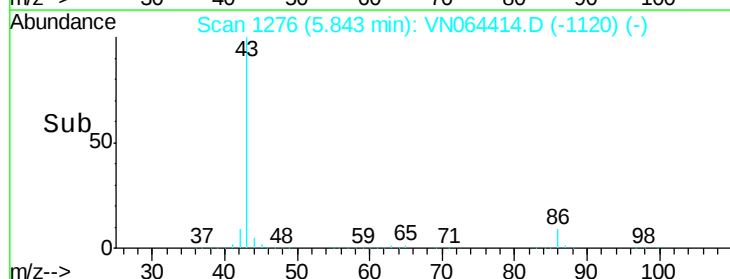
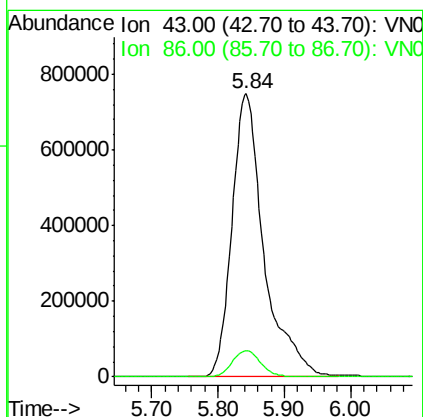
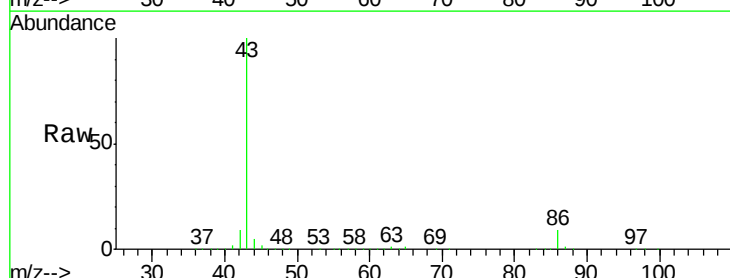
RT: 5.84 min Scan# 1276

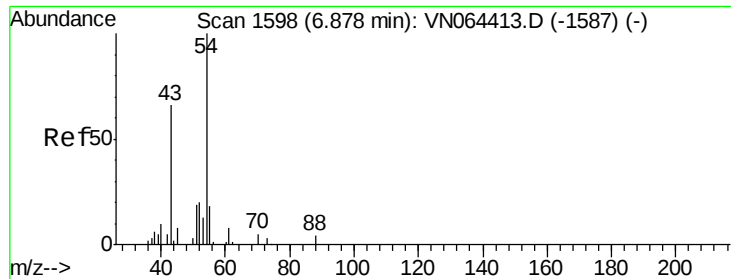
Delta R.T. 0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Tgt Ion:	43	Resp:	2515101
Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.5	9.7





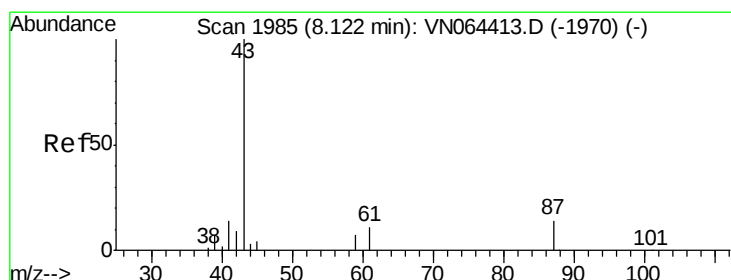
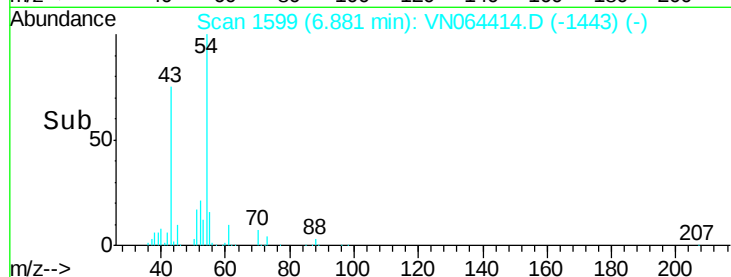
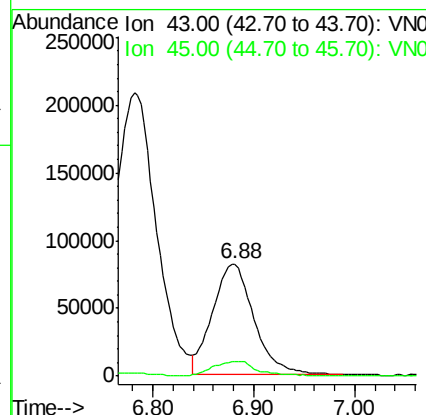
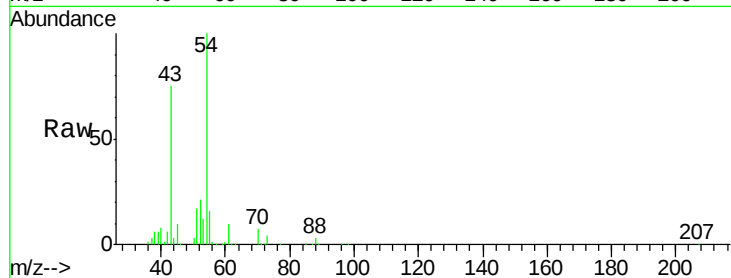
#43
Ethyl Acetate
Concen: 46.133 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	43	45	Ratio	Lower	Upper
233410	100	13.7		5.2	7.8#

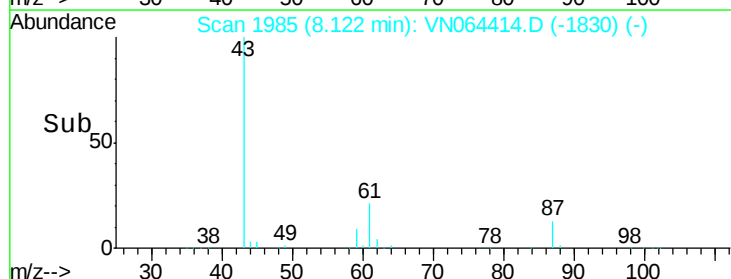
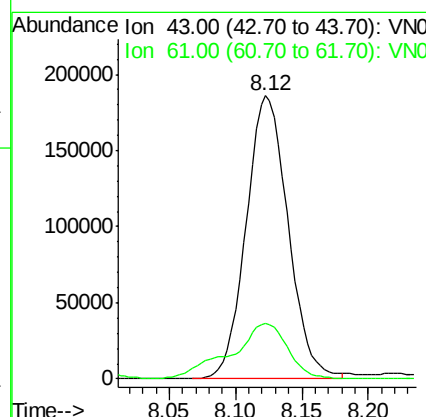
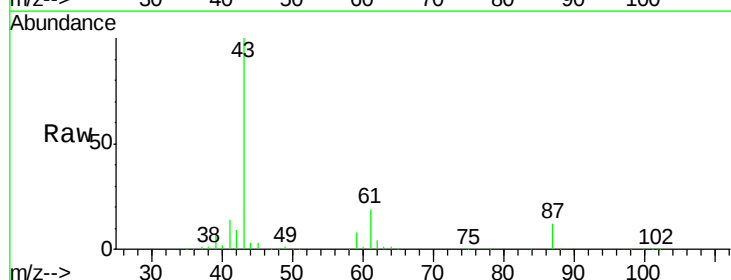
Manual Integrations
APPROVED

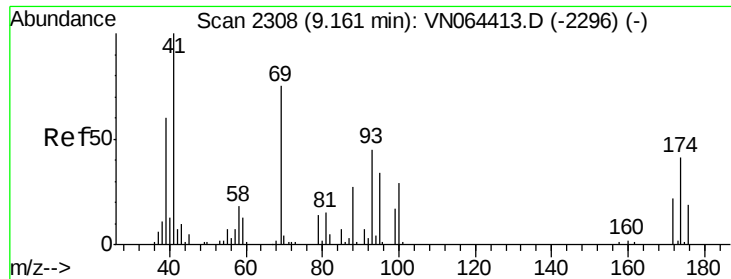
MMDadoda
11/3/2020 2:20:46 PM



#44
Isopropyl Acetate
Concen: 43.303 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion	43	61	Ratio	Lower	Upper
408448	100	19.0		0.2	0.4#





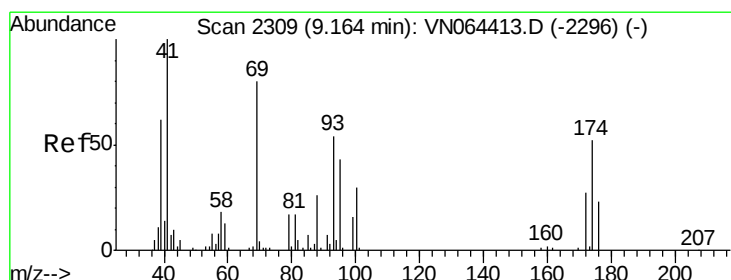
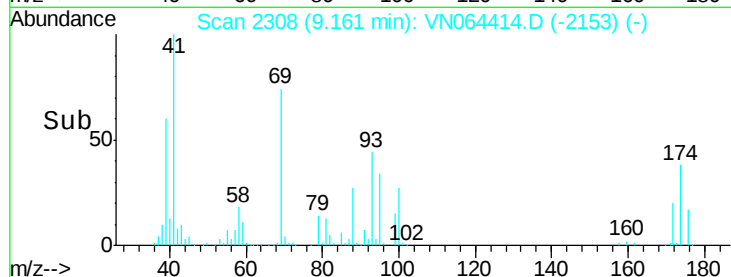
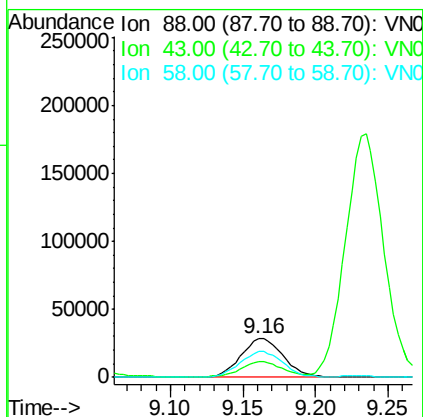
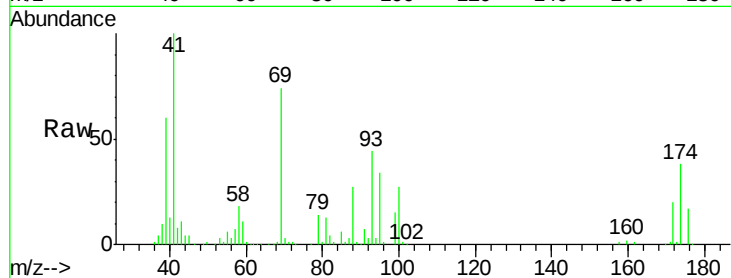
#45
1,4-Dioxane
Concen: 811.538 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	32.0	48.0
58	67.6	59.1	88.7

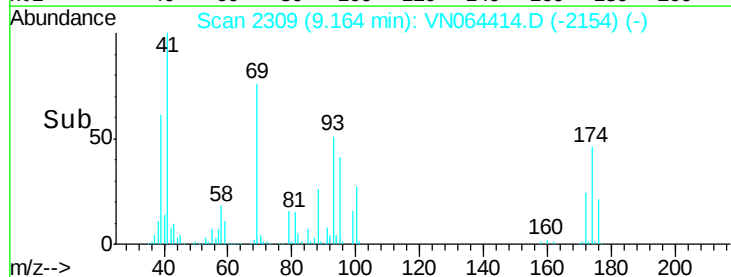
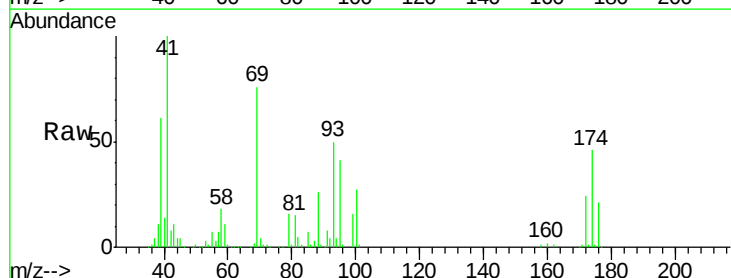
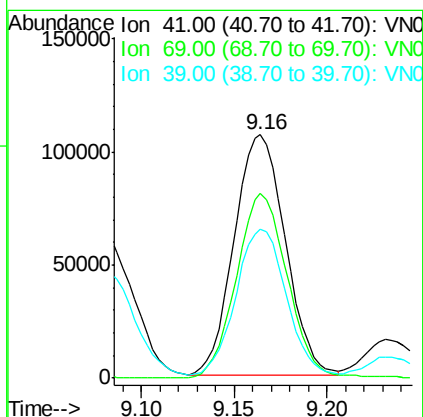
Manual Integrations
APPROVED

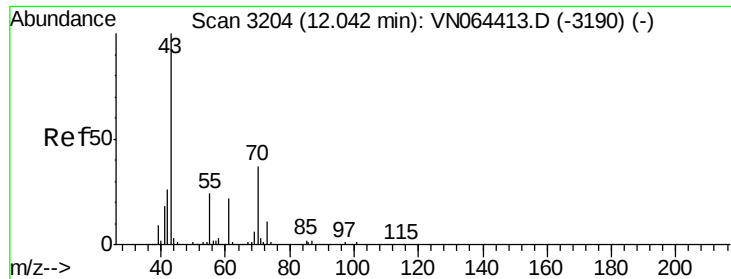
MMDadoda
11/3/2020 2:20:46 PM



#46
Methyl methacrylate
Concen: 44.281 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.7	39.8	119.4
39	60.7	30.5	91.5





#47

n-amvl Acetate

Concen: 45.039 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 357662

Ion Ratio Lower Upper

43 100

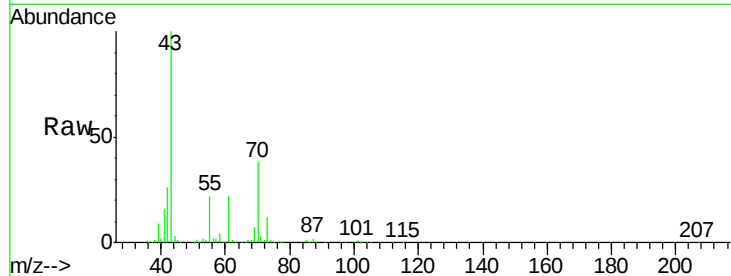
55 22.1 18.1 27.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.04

250000

200000

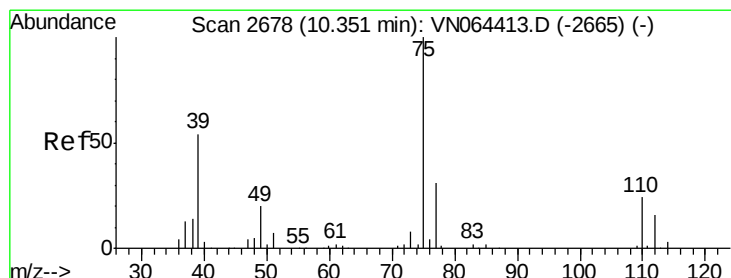
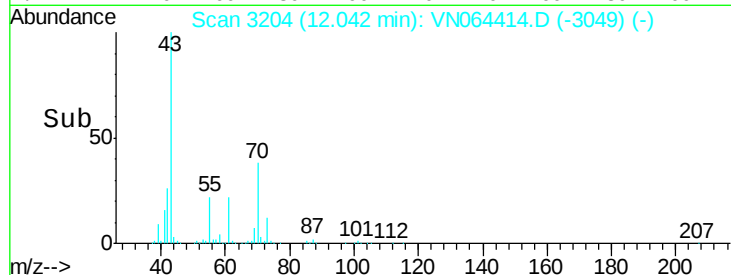
150000

100000

50000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 47.841 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064414.D

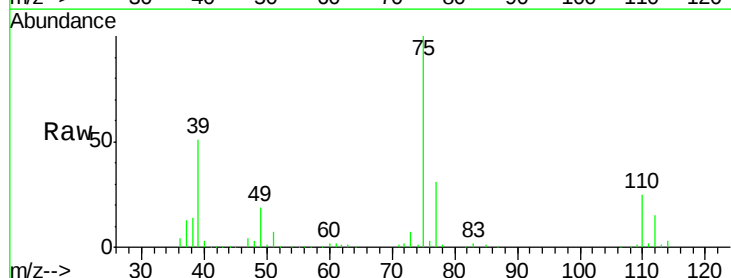
Acq: 2 Nov 2020 14:37

Tgt Ion: 75 Resp: 316645

Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.35

200000

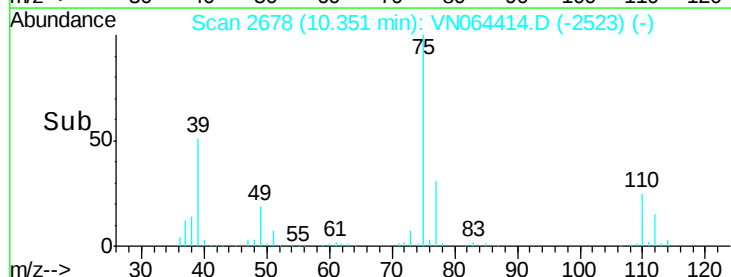
150000

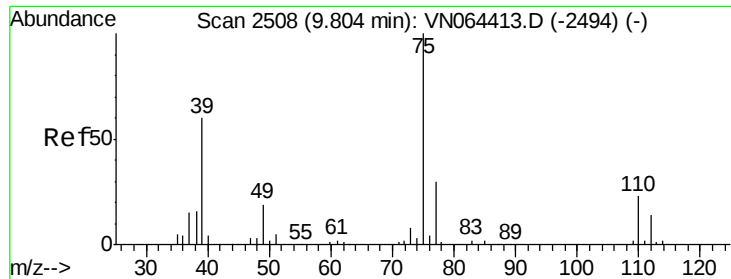
100000

50000

0

Time-->





#49

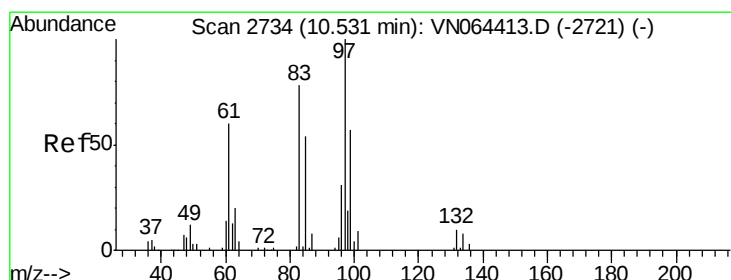
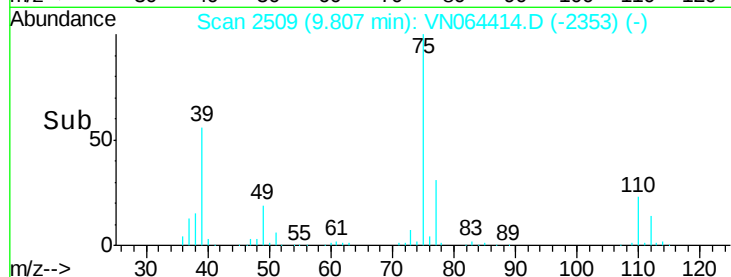
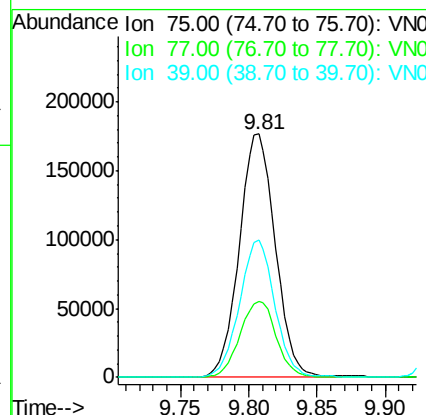
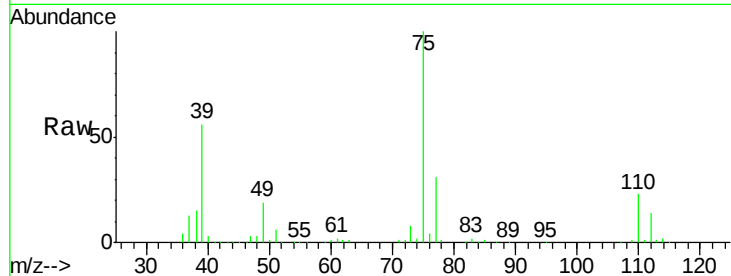
cis-1,3-Dichloropropene
Concen: 47.513 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.3	36.5
39	56.2	48.0	72.0

Manual Integrations
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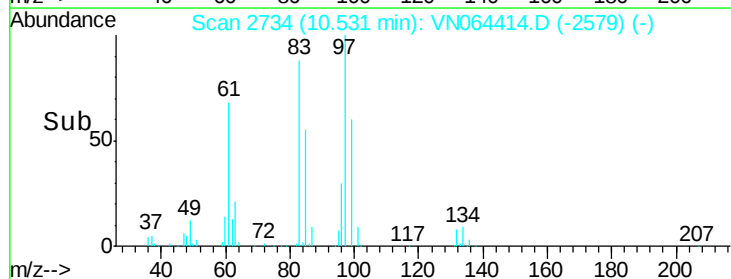
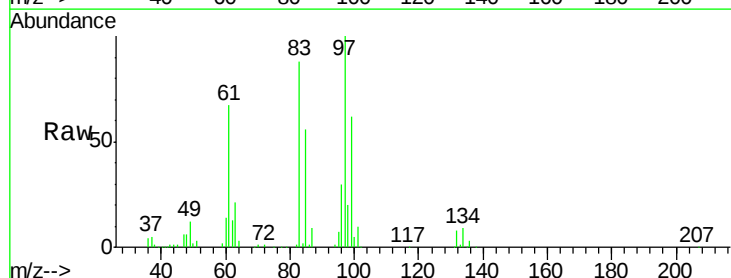
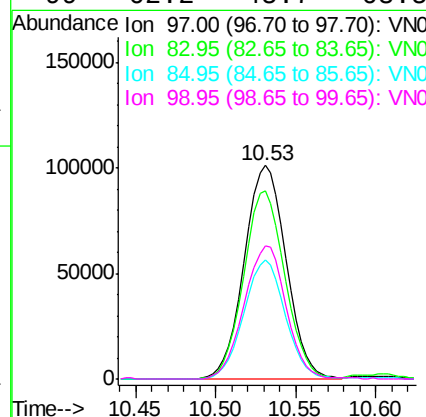
MMDadoda
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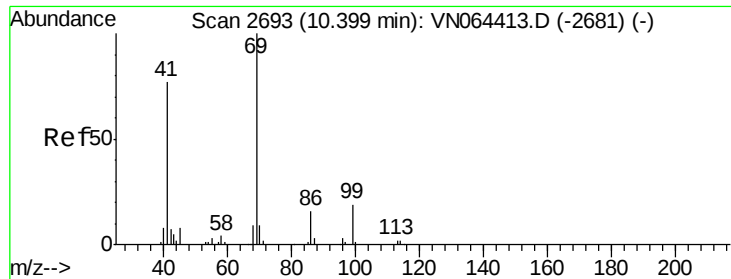


#50

1,1,2-Trichloroethane
Concen: 48.966 ug/l
RT: 10.53 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.9	62.4	93.6
85	55.7	42.9	64.3
99	62.2	45.7	68.5





#51

Ethyl methacrylate

Concen: 47.985 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

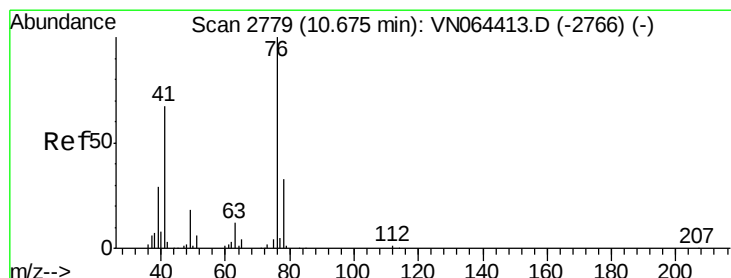
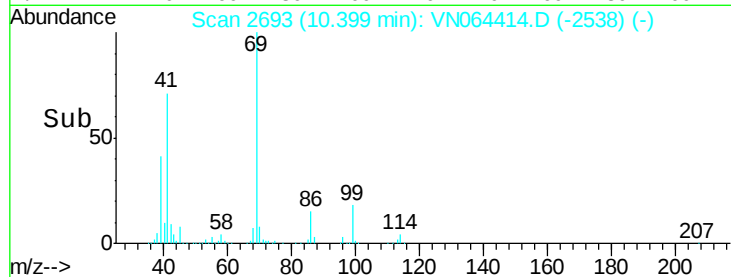
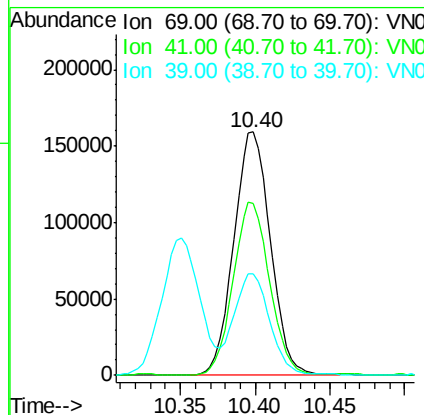
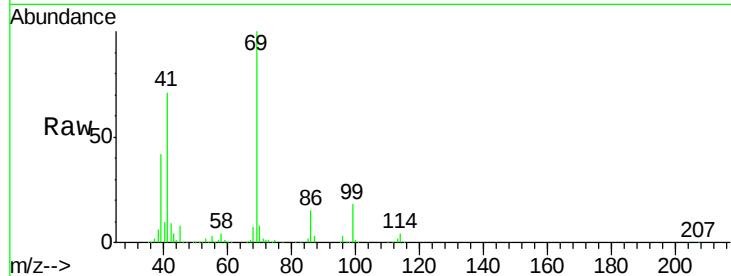
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	272222
Ion	Ratio	Lower	Upper
69	100		
41	70.6	38.4	115.2
39	41.3	22.7	68.0

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 48.112 ug/l

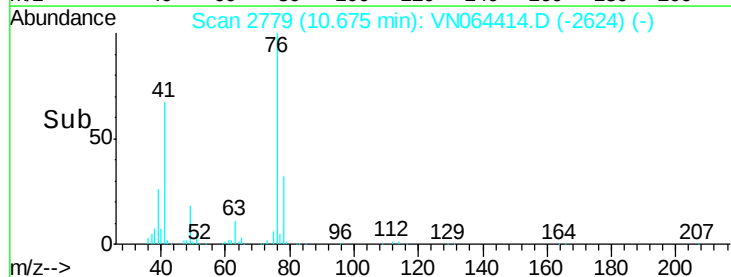
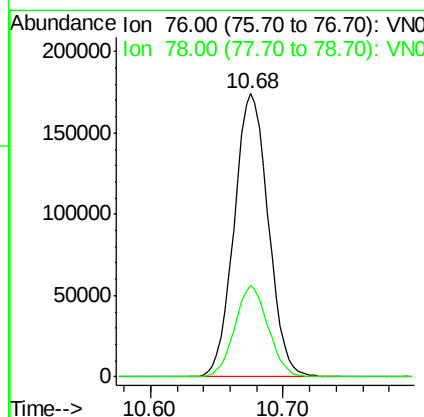
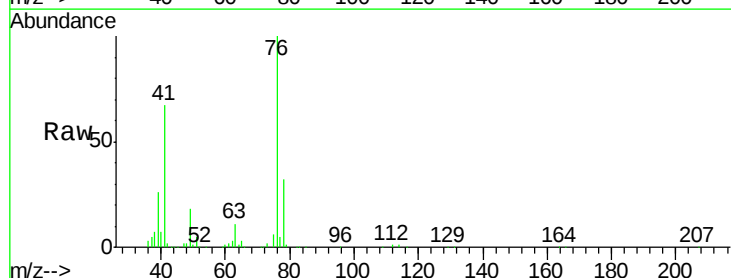
RT: 10.68 min Scan# 2779

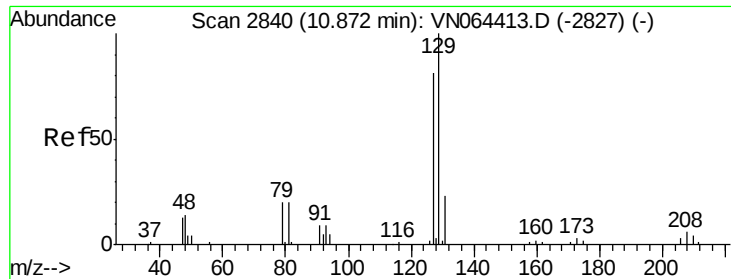
Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Tgt Ion:	76	Resp:	311297
Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.0	65.2





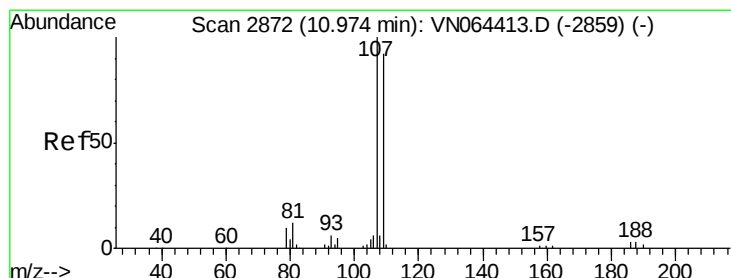
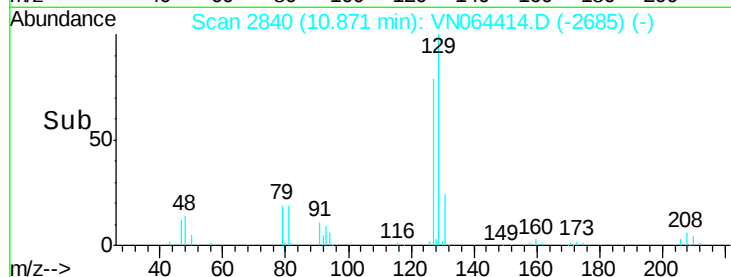
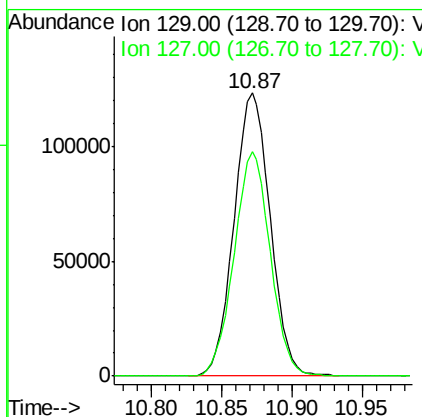
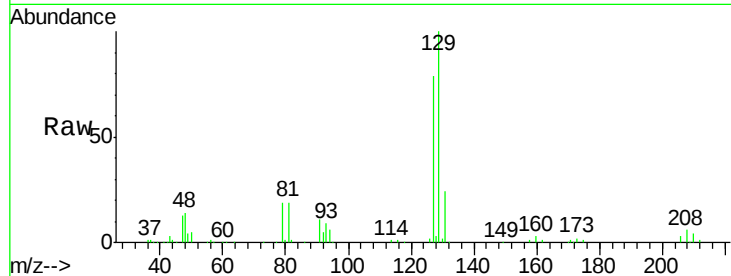
#53
 Dibromochloromethane
 Concen: 49.163 ug/l
 RT: 10.87 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
129	100		
127	79.3	38.6	115.7

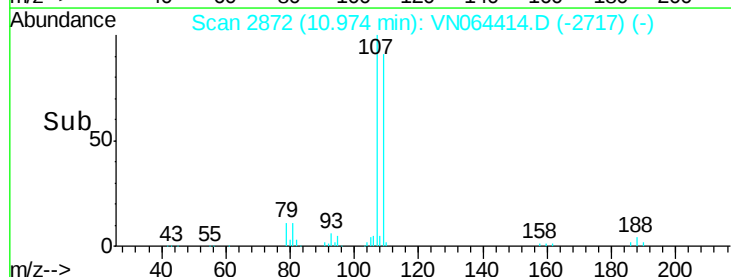
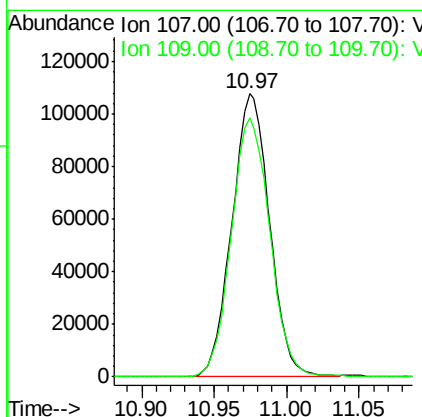
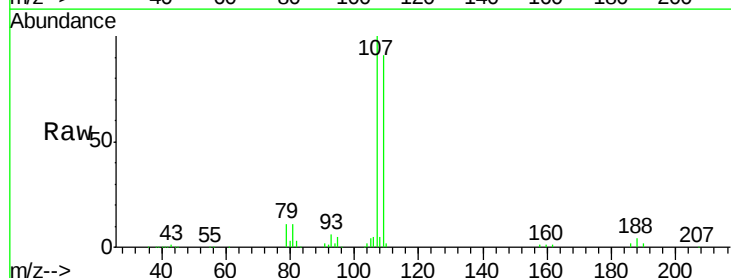
Manual Integrations
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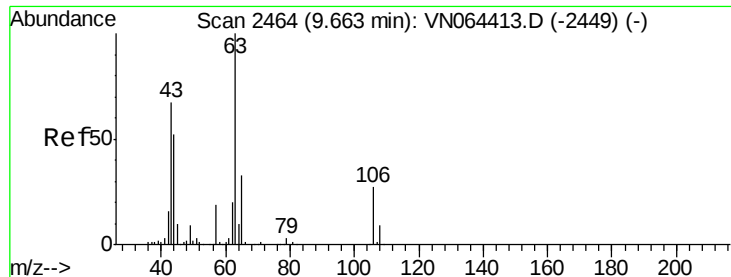
MMDadoda
 11/3/2020 2:20:46 PM



#54
 1,2-Dibromoethane
 Concen: 49.223 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.5	114.7





#55

2-Chloroethyl vinyl ether

Concen: 237.558 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 63 Resp: 674352

Ion Ratio Lower Upper

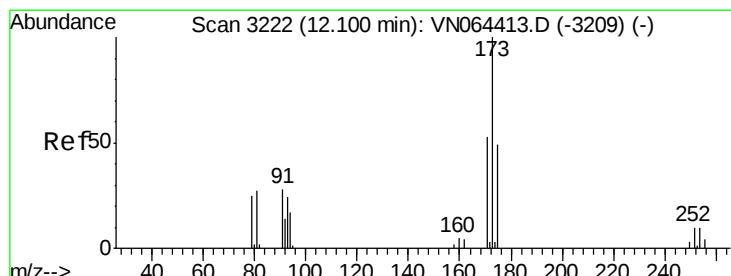
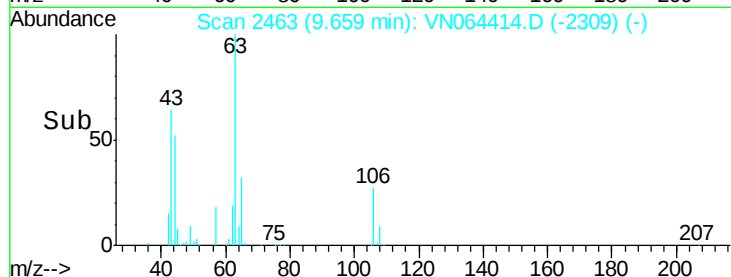
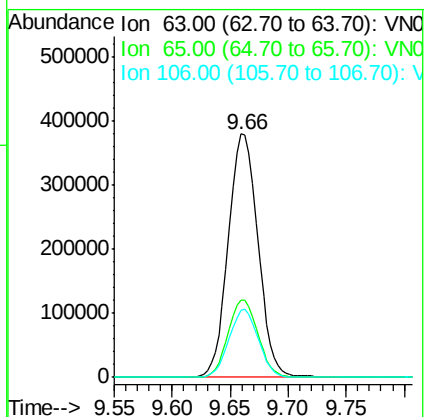
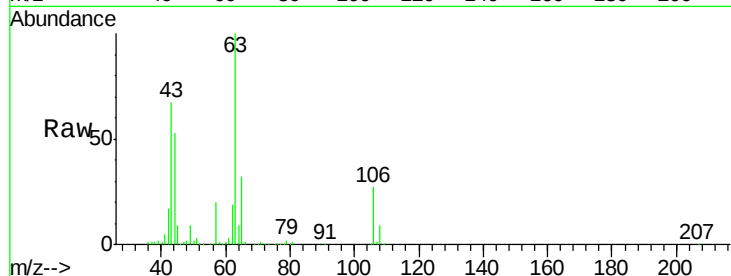
63 100

65 32.0 26.2 39.4

106 27.6 21.8 32.6

Manual Integrations
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11/3/2020 2:20:46 PM



#56

Bromoform

Concen: 49.890 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

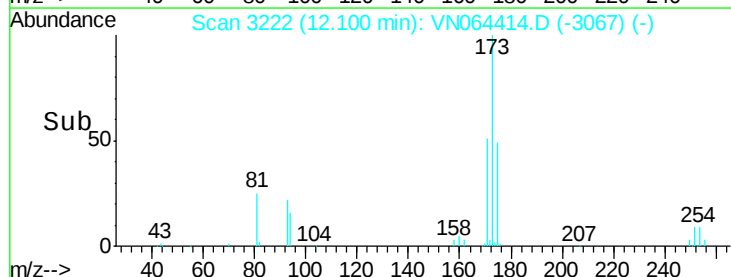
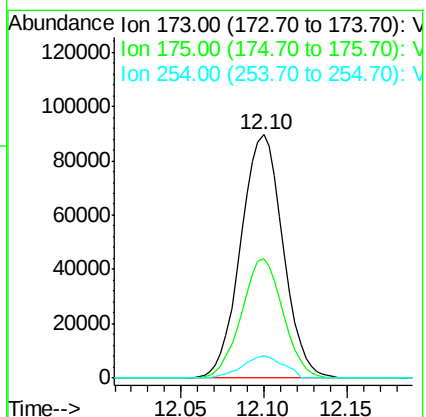
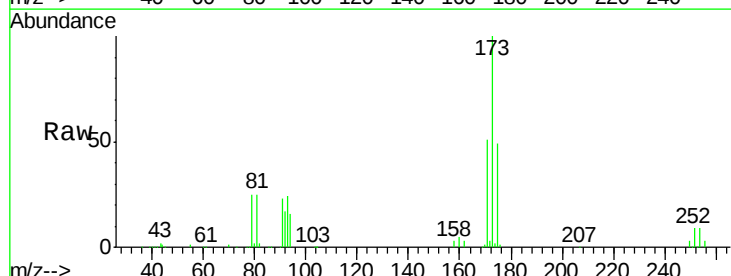
Tgt Ion: 173 Resp: 159182

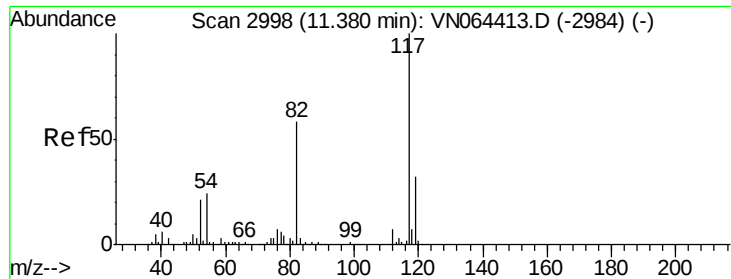
Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.4

254 8.8 7.0 10.6





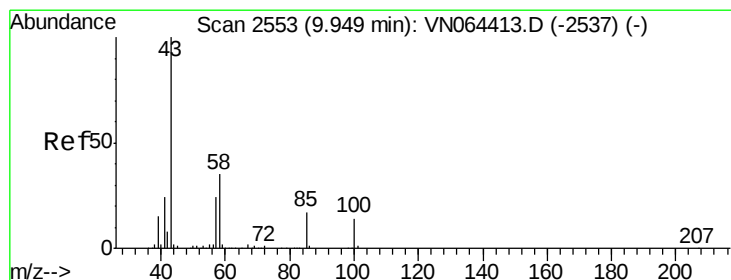
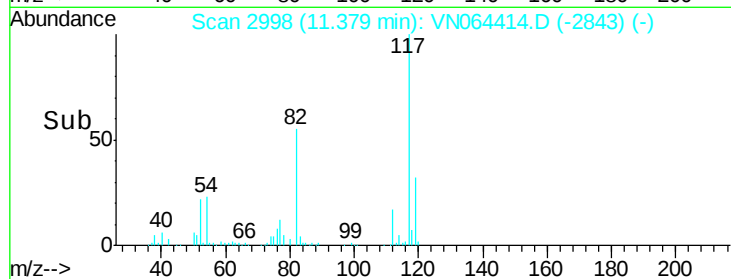
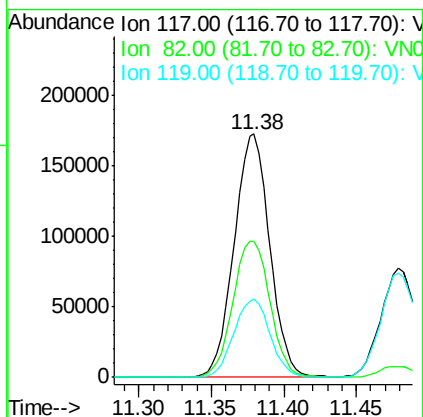
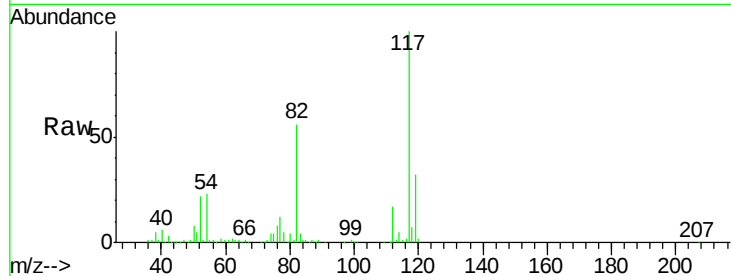
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.1	69.1
119	32.5	26.2	39.2

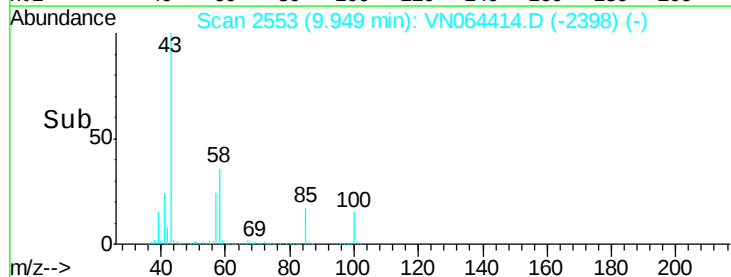
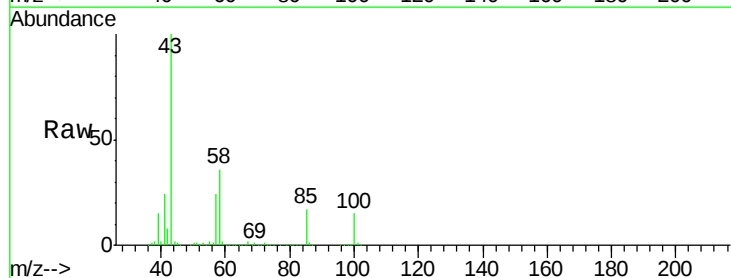
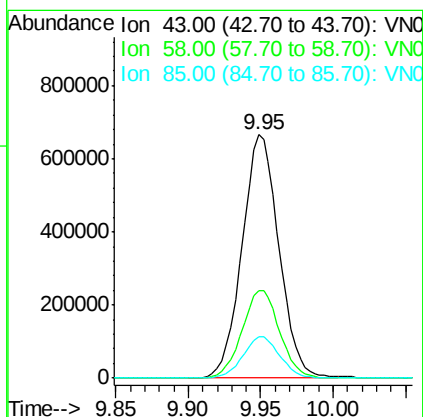
Manual Integrations
APPROVED

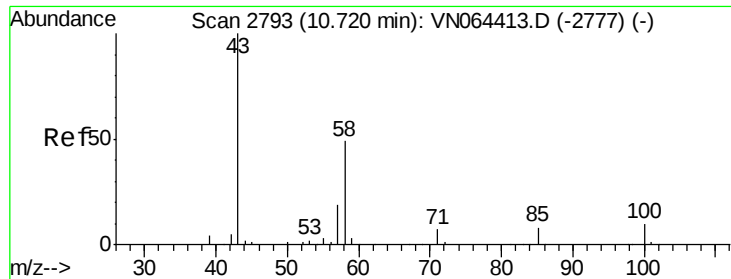
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 222.509 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	28.6	43.0
85	17.2	13.5	20.3





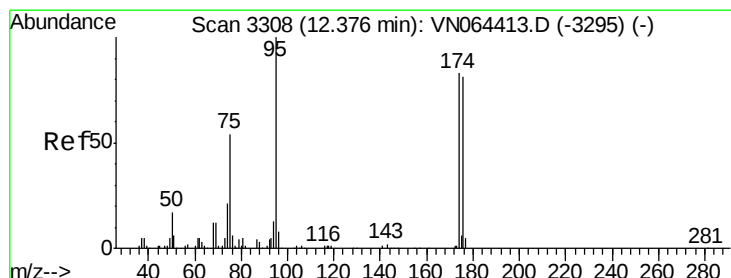
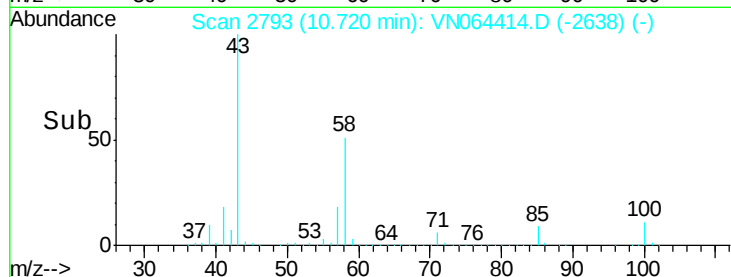
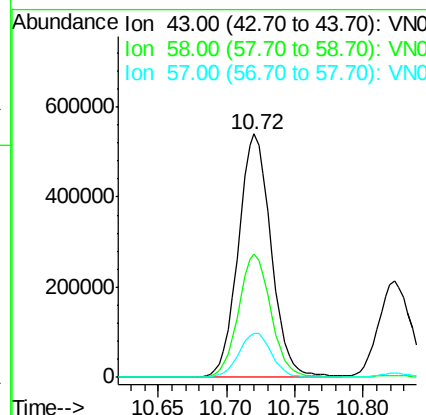
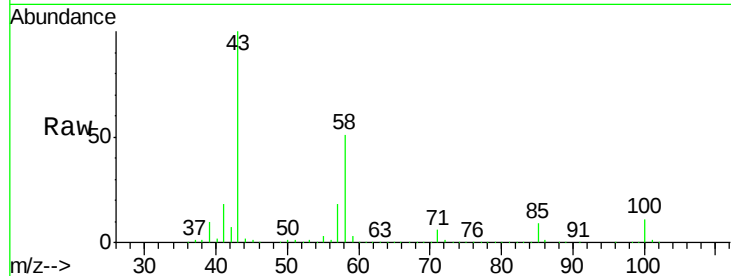
#59
2-Hexanone
Concen: 226.241 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.4	39.4	59.0
57	18.4	14.4	21.6

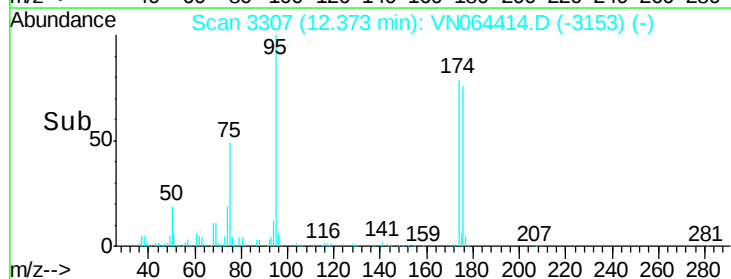
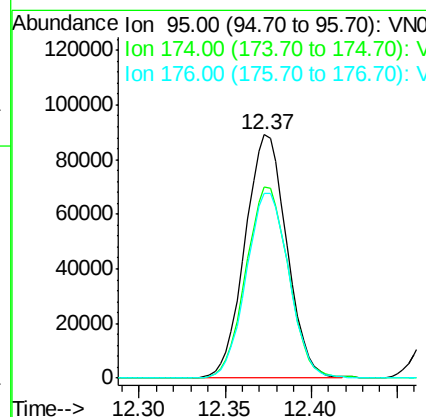
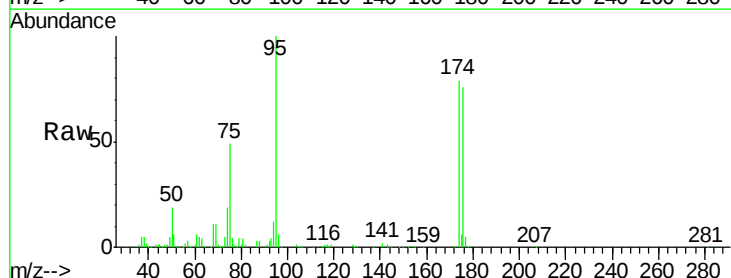
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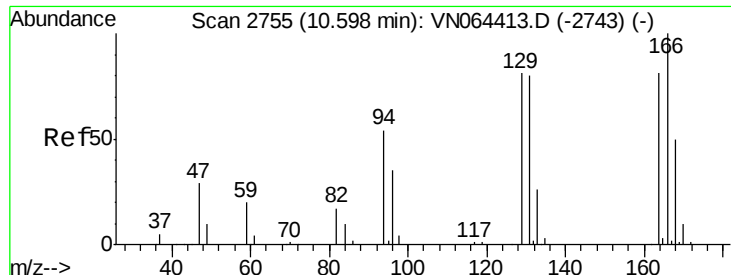
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#60
4-Bromofluorobenzene
Concen: 29.106 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.8	65.2	97.8
176	77.6	62.2	93.4





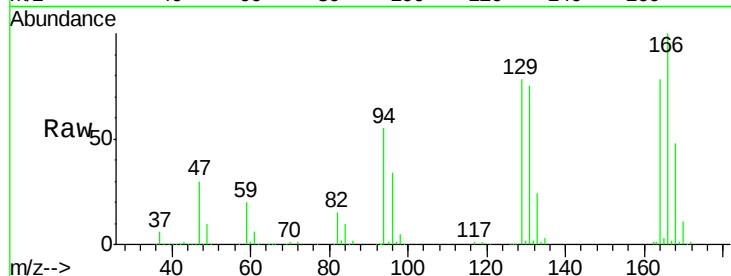
#61
Tetrachloroethene
Concen: 49.739 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.3	98.7	148.1
129	100.0	80.2	120.4
131	96.7	78.7	118.1

Manual Integrations
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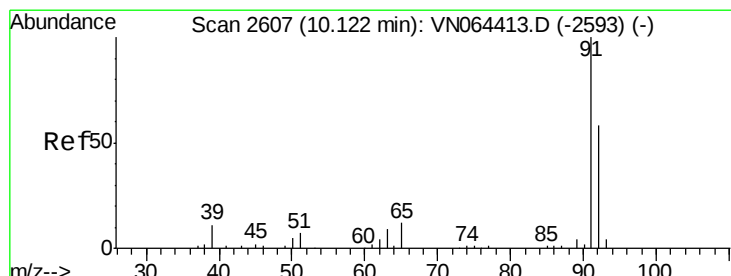
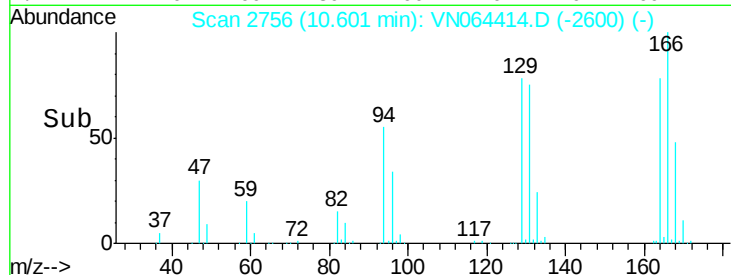
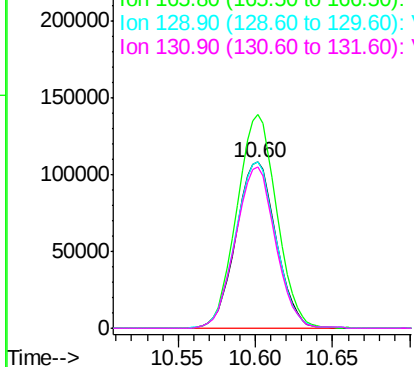
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

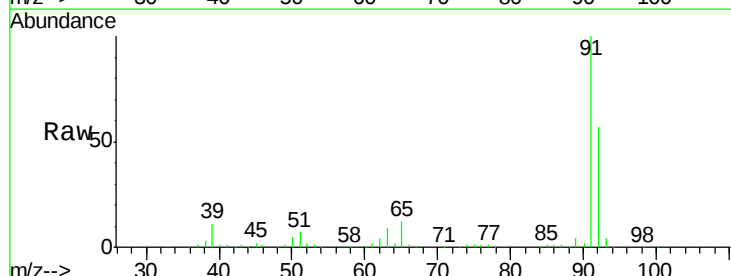
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 49.142 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

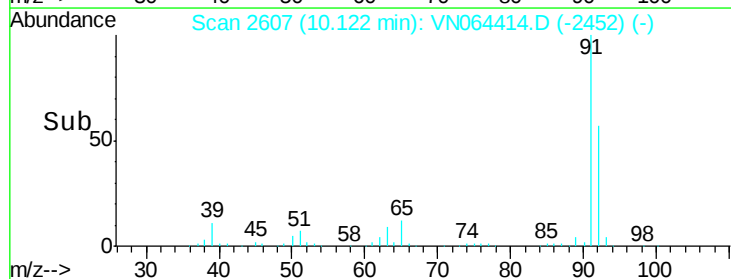
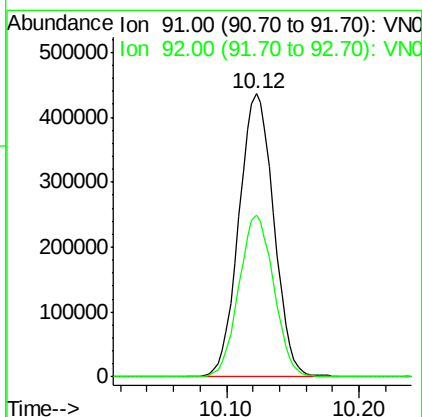
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.2	46.2	69.4

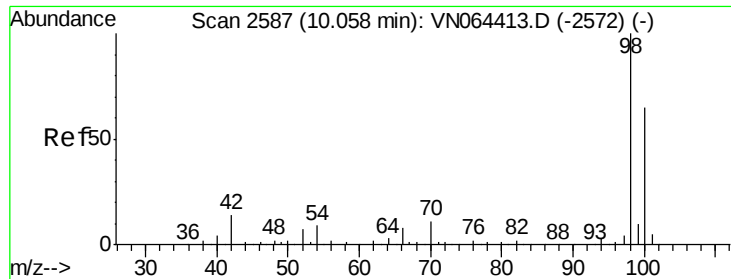


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





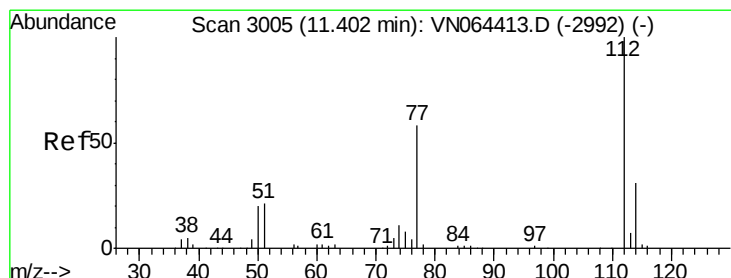
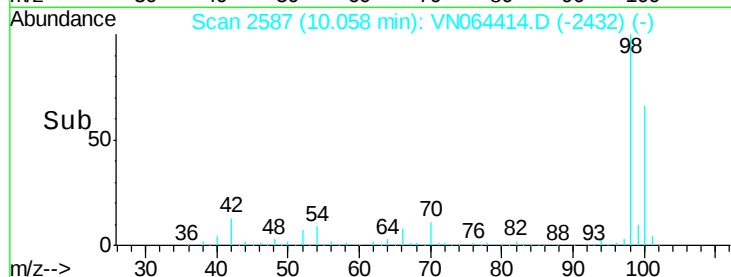
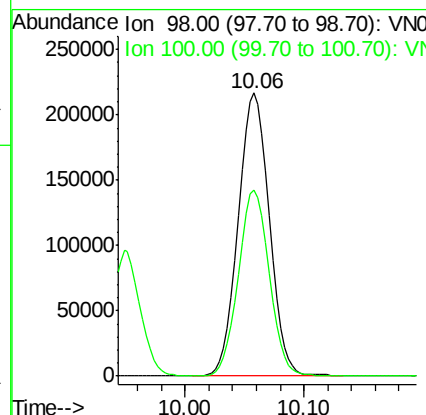
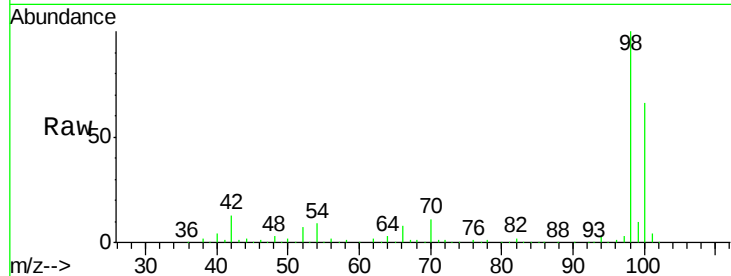
#63
Toluene-d8
Concen: 30.142 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 98 Resp: 394384
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9

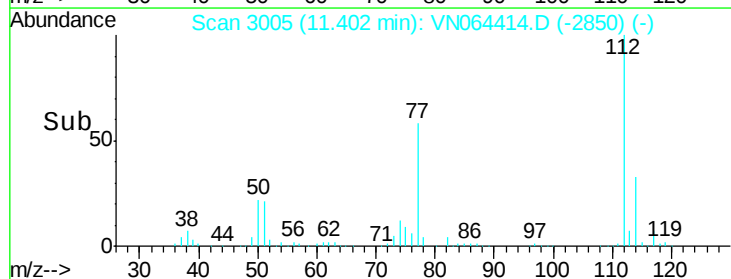
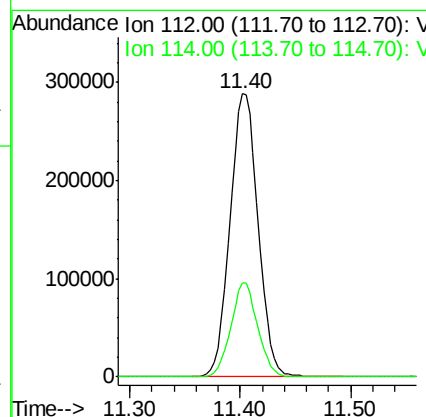
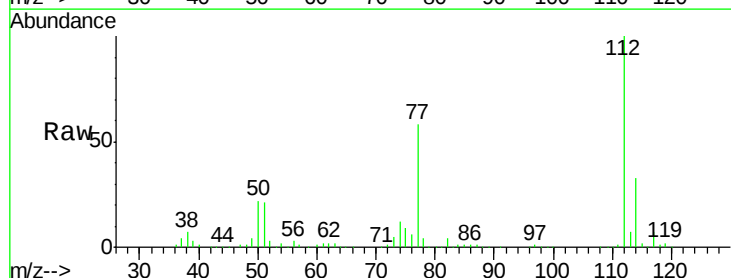
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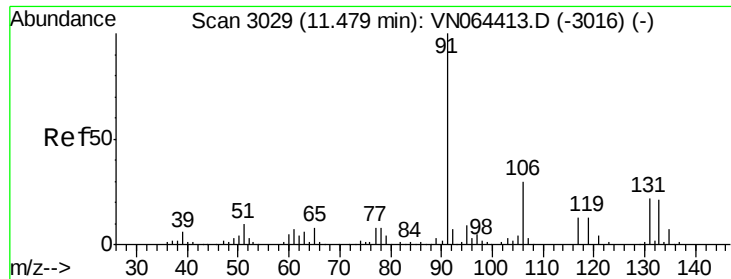
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#64
Chlorobenzene
Concen: 50.111 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion: 112 Resp: 508614
Ion Ratio Lower Upper
112 100
114 33.1 24.8 37.2





#65

1,1,1,2-Tetrachloroethane

Concen: 49.978 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

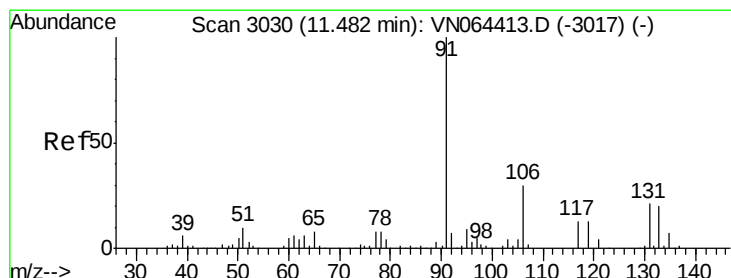
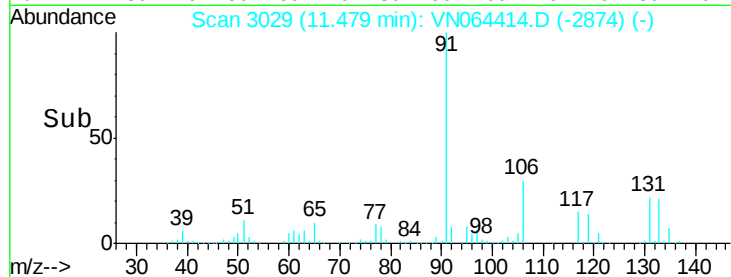
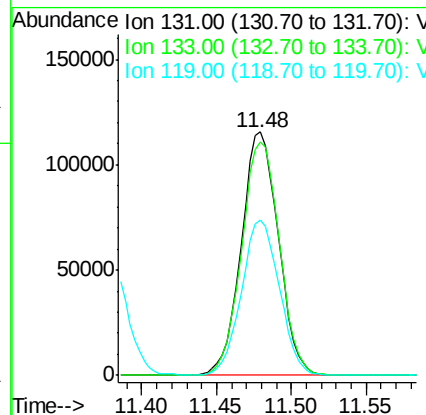
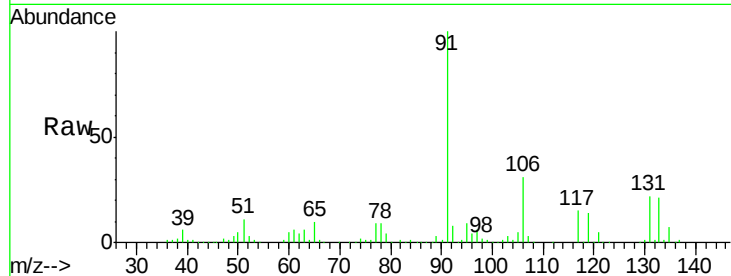
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
131	100	200122		
133	97.6	0.0	191.2	
119	65.0	0.0	125.6	

Manual Integrations
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#66

Ethyl Benzene

Concen: 49.037 ug/l

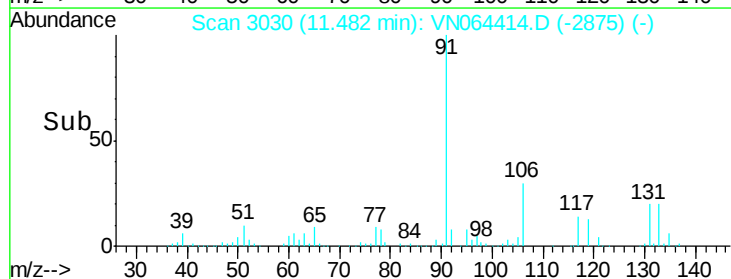
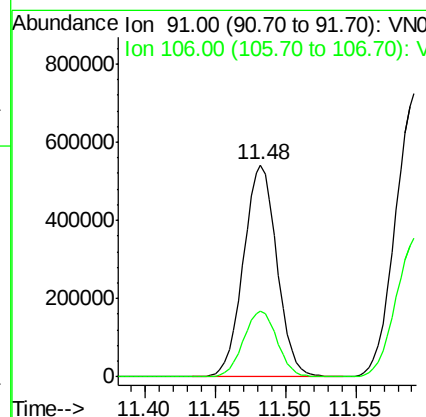
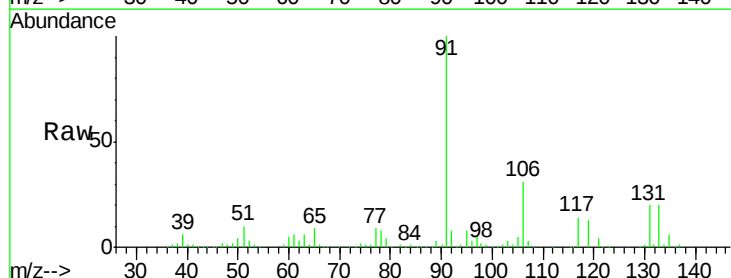
RT: 11.48 min Scan# 3030

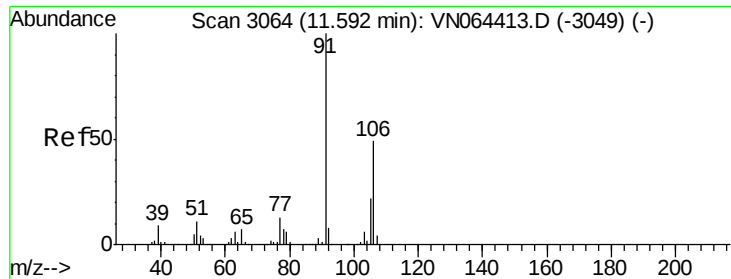
Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	901853		
106	31.1	23.9	35.9	





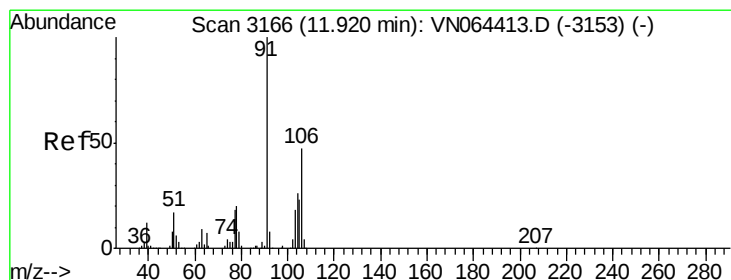
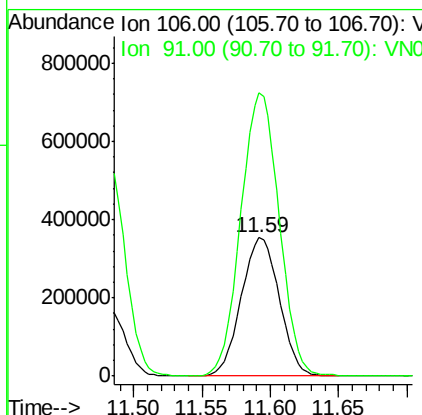
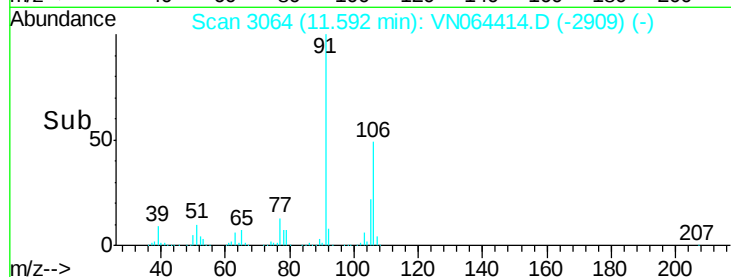
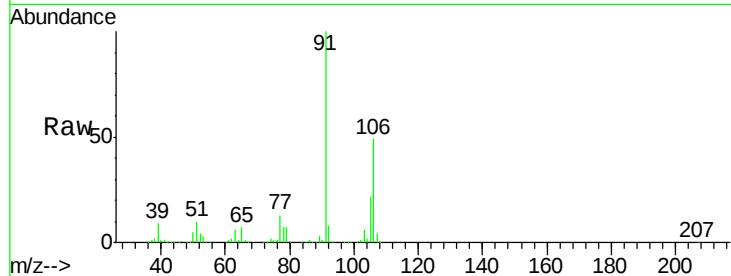
#67
m/p-Xvlenes
Concen: 101.181 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		689220		
91	205.6	166.8	250.2		

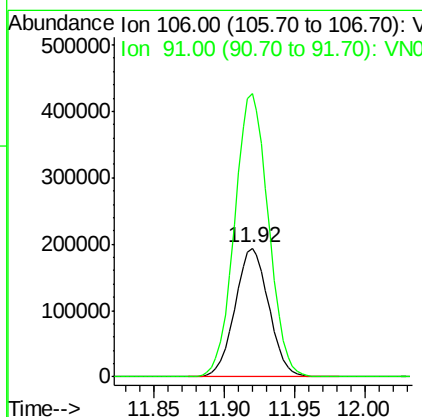
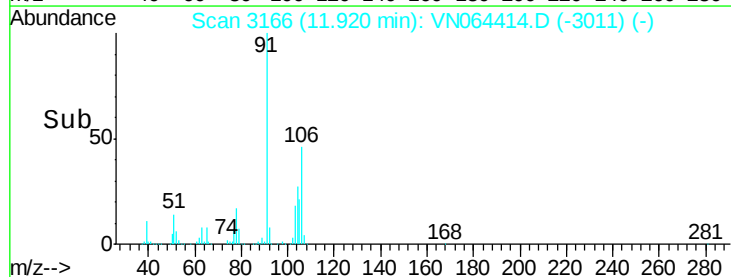
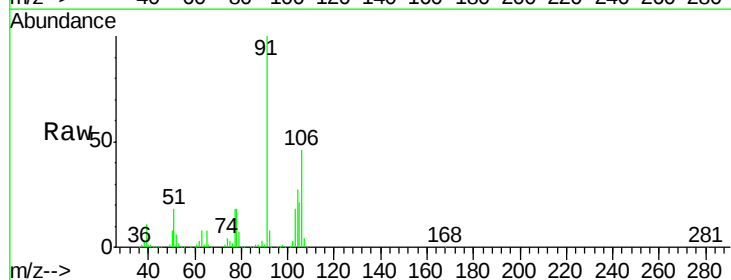
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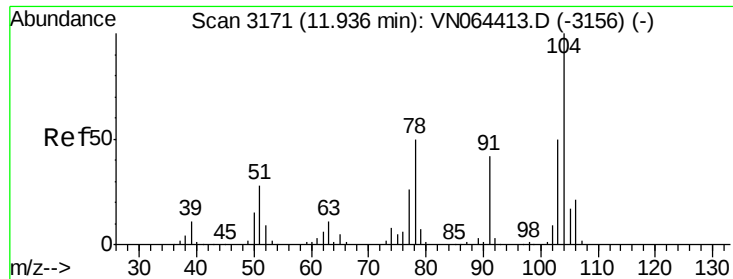
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#68
o-Xylene
Concen: 48.735 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		325820		
91	220.0	106.7	320.1		





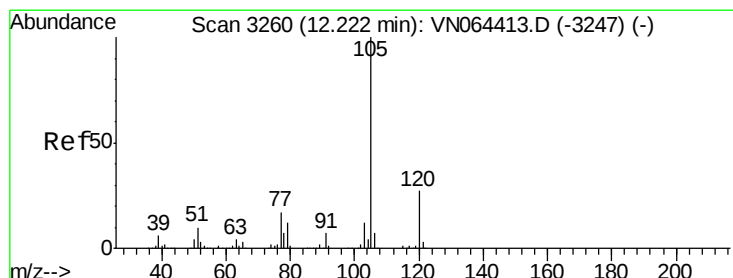
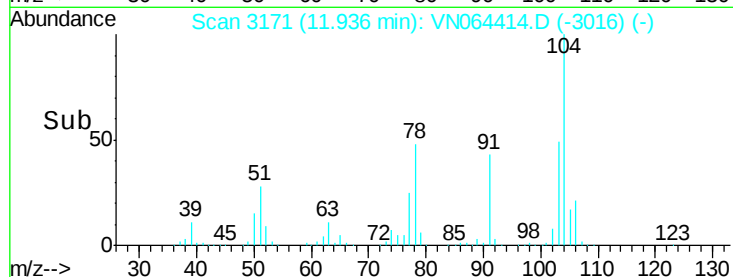
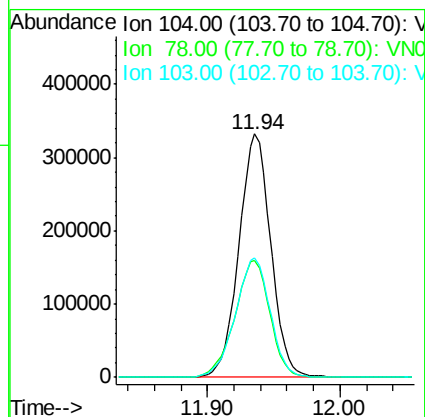
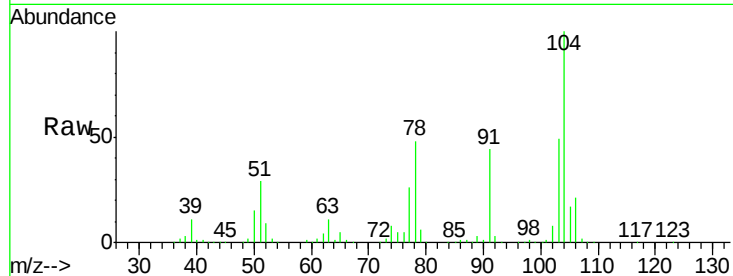
#69
Stvrene
Concen: 50.181 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.8	44.3	66.5
103	53.5	43.5	65.3

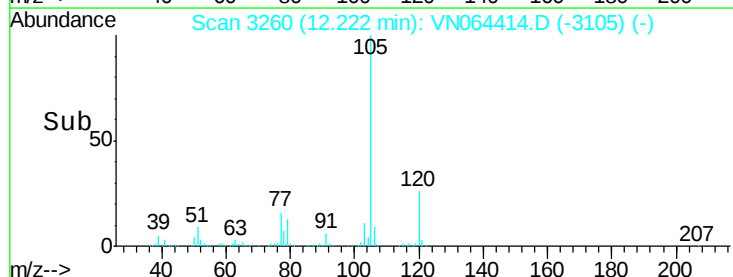
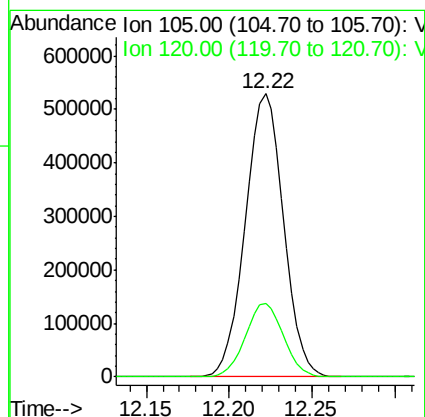
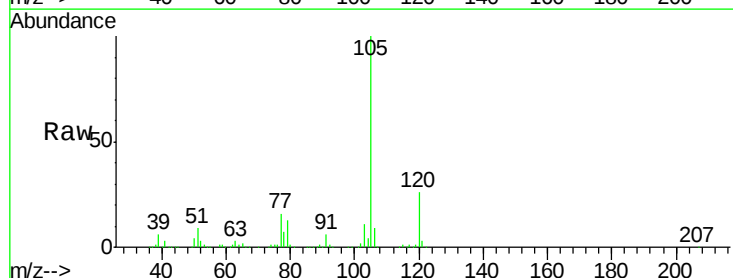
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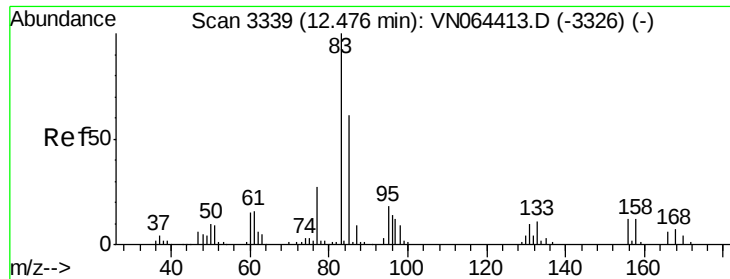
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#70
Isopropylbenzene
Concen: 48.325 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	18.0	33.4





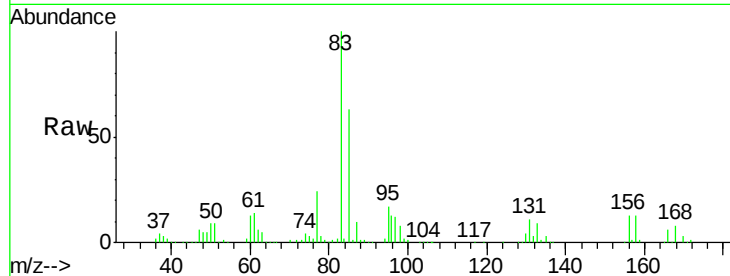
#71
 1,1,2,2-Tetrachloroethane
 Concen: 47.902 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

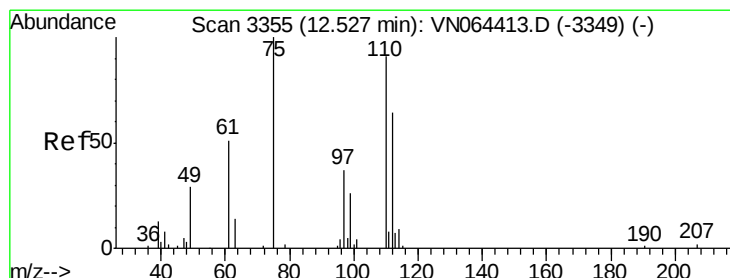
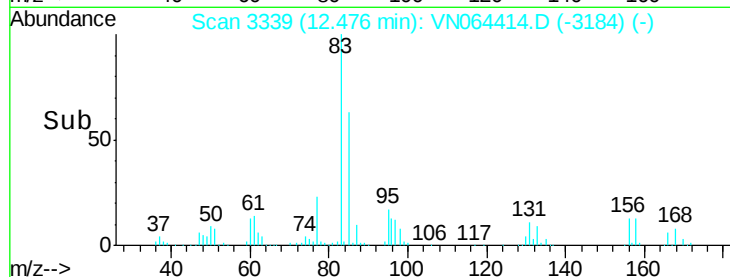
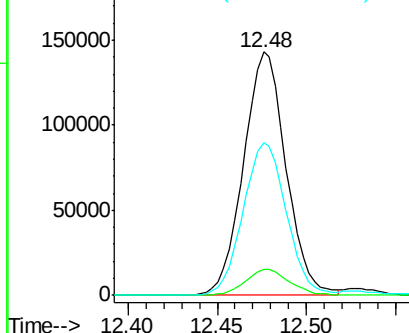
Tot Ion	83	Resp	237984
Ion Ratio	100	Lower	Upper
83	100		
131	11.0	5.3	16.1
85	64.0	30.9	92.7

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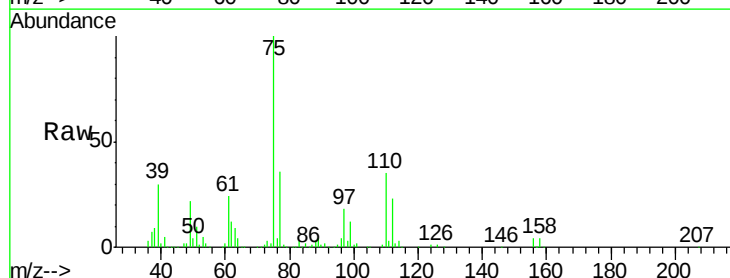


Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 131.00 (130.70 to 131.70): VNO
 Ion 85.00 (84.70 to 85.70): VNO

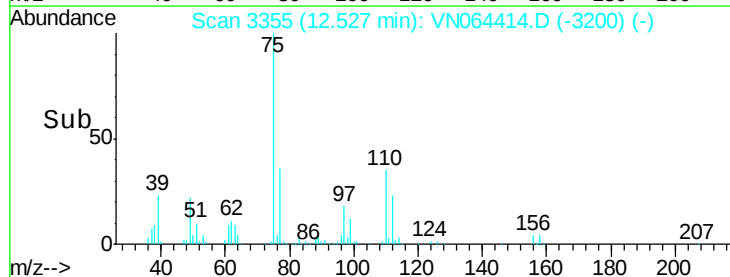
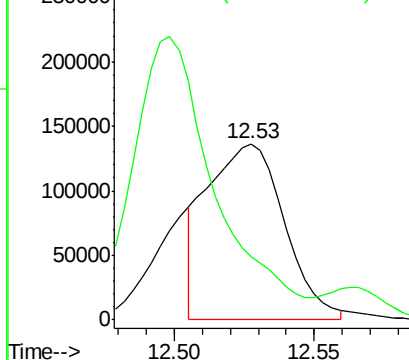


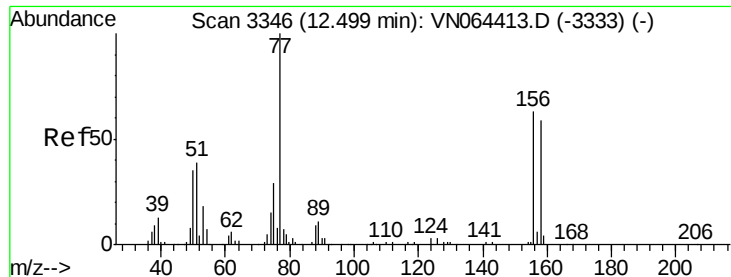
#72
 1,2,3-Trichloropropane
 Concen: 50.890 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion	75	Resp	261740
Ion Ratio	100	Lower	Upper
75	100		
77	172.2	0.0	374.2



Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO





#73

Bromobenzene

Concen: 50.909 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

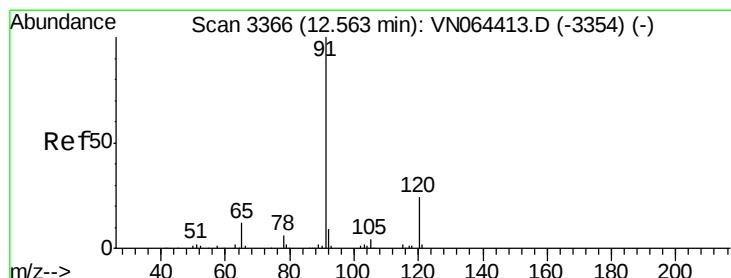
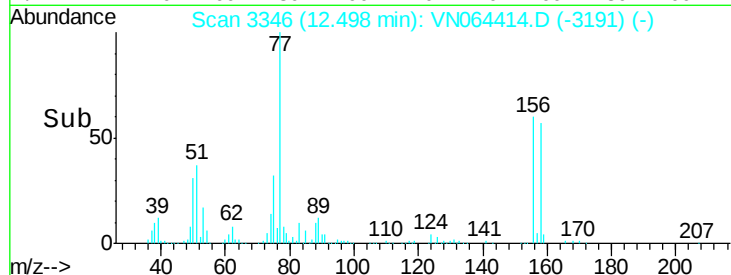
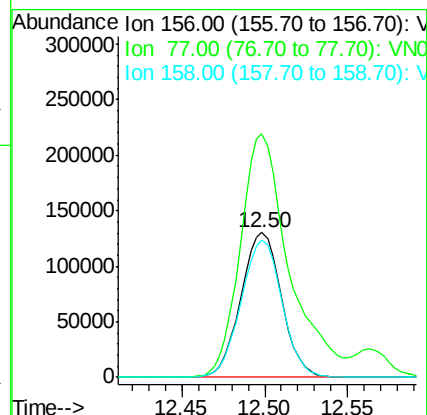
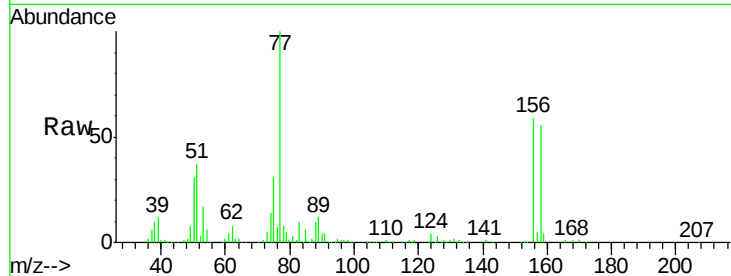
ClientSampleId :

VSTDIC050

Tot Ion:	156	Resp:	222297
Ion Ratio	Lower	Upper	
156	100		
77	202.7	0.0	409.4
158	95.6	0.0	192.0

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#74

n-propylbenzene

Concen: 47.820 ug/l

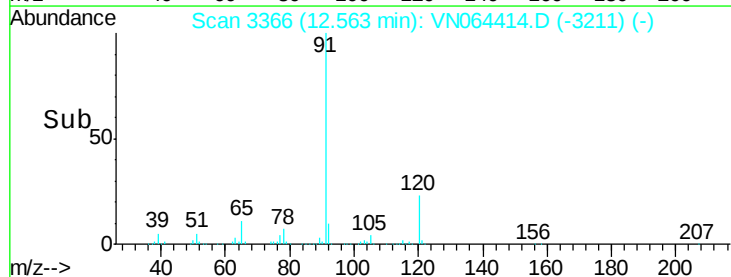
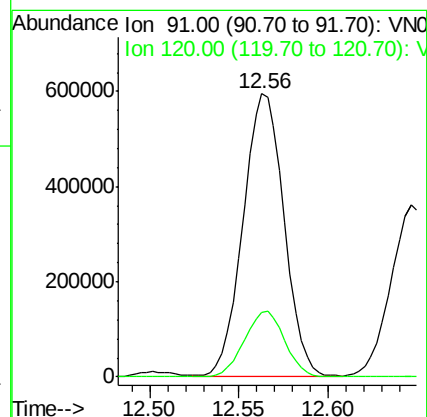
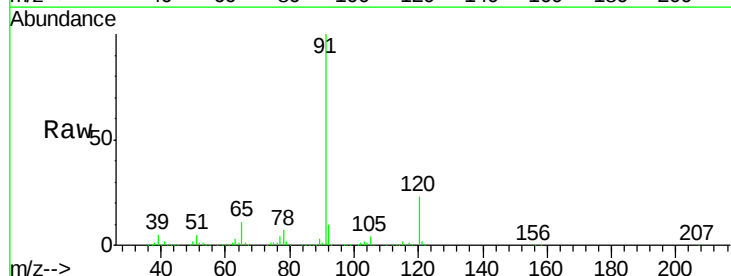
RT: 12.56 min Scan# 3366

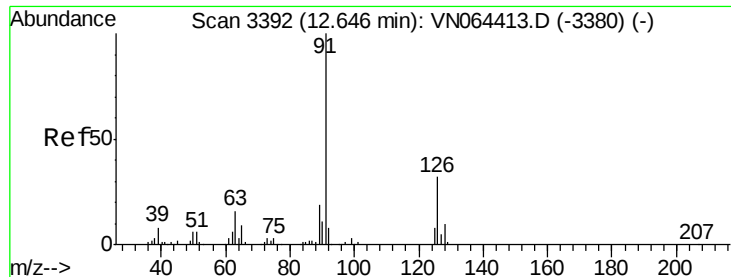
Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Tgt Ion:	91	Resp:	952767
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	47.4





#75

2-Chlorotoluene

Concen: 48.178 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 596120

Ion Ratio Lower Upper

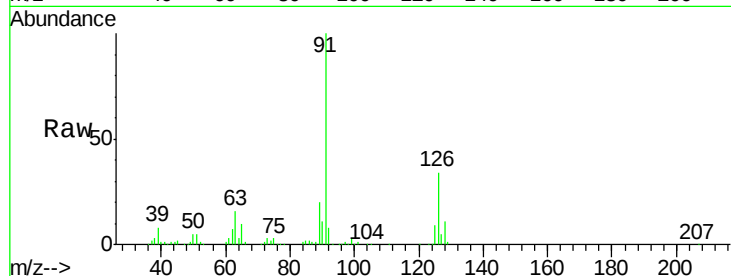
91 100

126 33.9 0.0 63.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN064413.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN064413.D (-3380) (-)

500000

400000

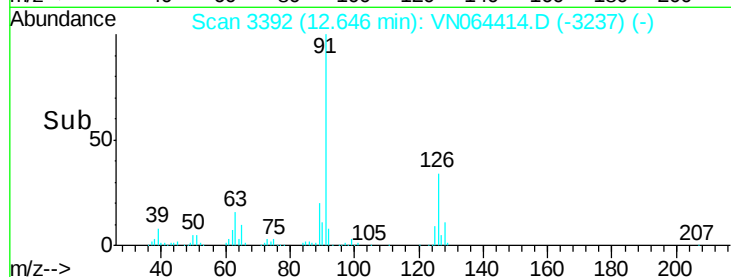
300000

200000

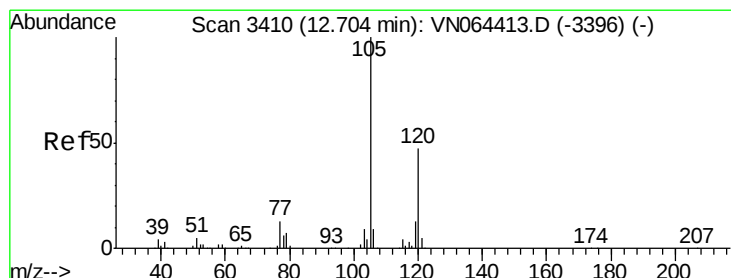
100000

0

12.60 12.65 12.70



Time-->



#76

1,3,5-Trimethylbenzene

Concen: 48.118 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064414.D

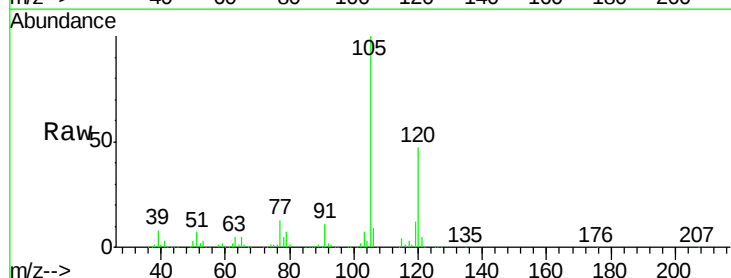
Acq: 2 Nov 2020 14:37

Tgt Ion: 105 Resp: 711268

Ion Ratio Lower Upper

105 100

120 47.0 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064413.D (-3396) (-)

Ion 120.00 (119.70 to 120.70): VN064413.D (-3396) (-)

500000

400000

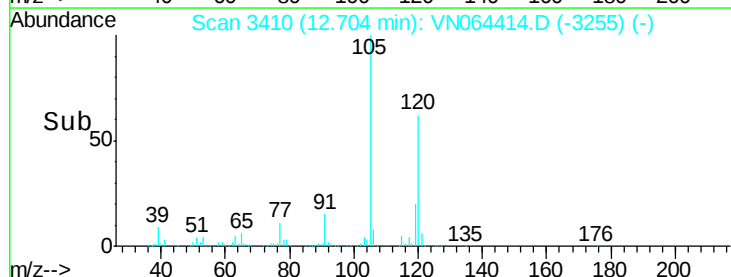
300000

200000

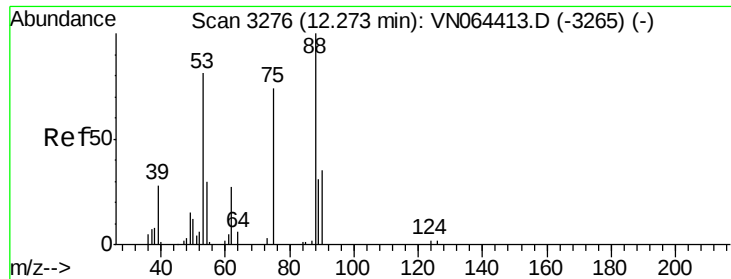
100000

0

12.60 12.65 12.70 12.75



Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 48.902 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

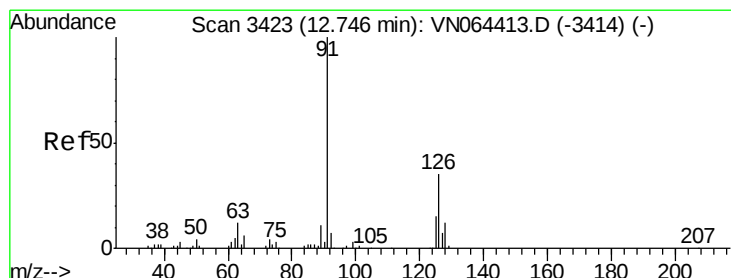
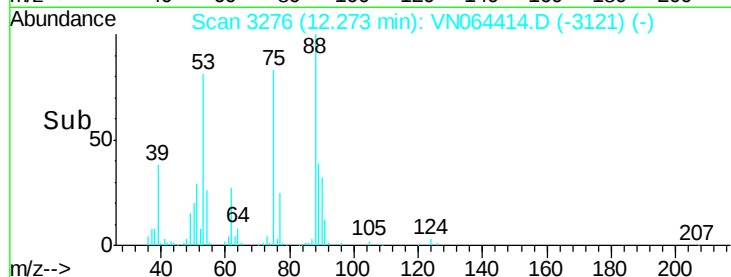
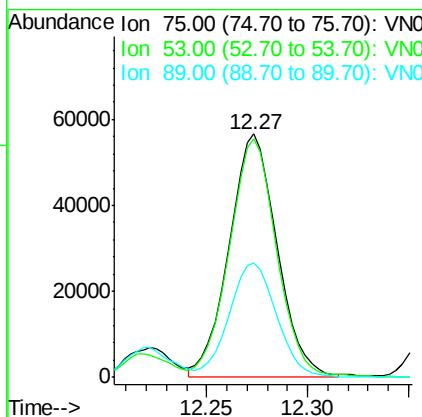
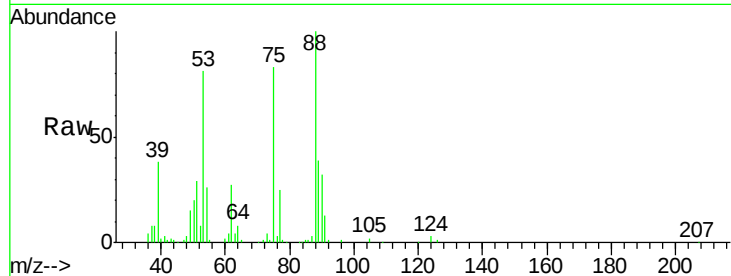
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	94468
Ion Ratio	Lower	Upper	
75	100		
53	97.7	54.1	162.4
89	47.3	23.1	69.3

Manual Integrations
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11/3/2020 2:20:46 PM



#78

4-Chlorotoluene

Concen: 48.060 ug/l

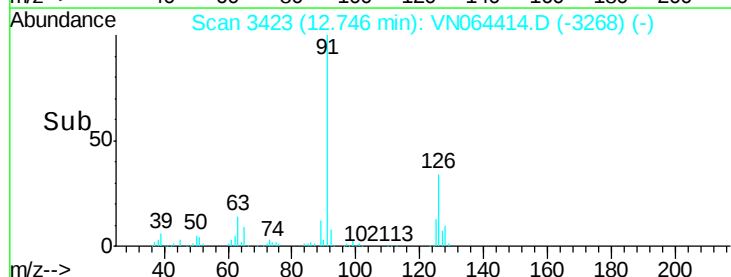
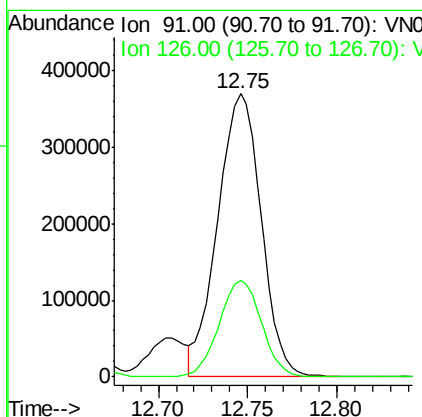
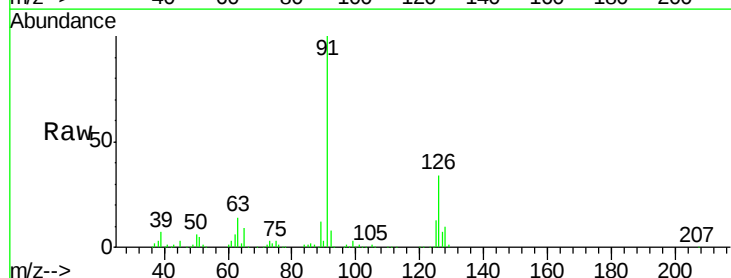
RT: 12.75 min Scan# 3423

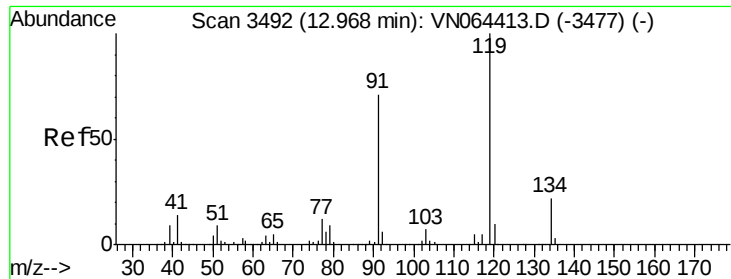
Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Tgt Ion:	91	Resp:	620707
Ion Ratio	Lower	Upper	
91	100		
126	33.7	0.0	63.2





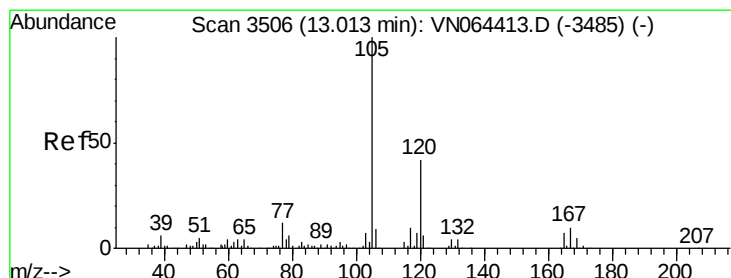
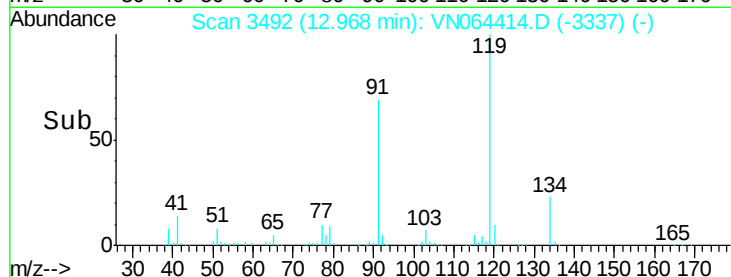
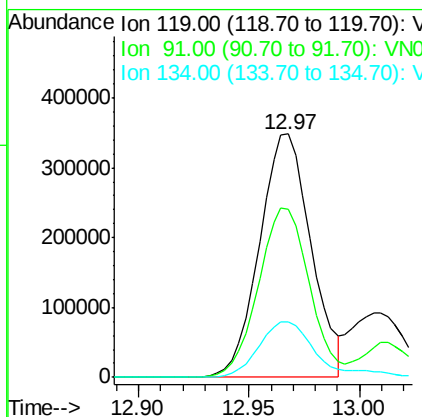
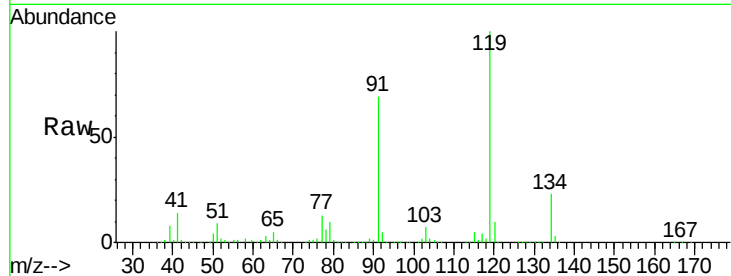
#79
tert-butylbenzene
Concen: 46.173 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	563925		
91	69.0	0.0	140.4	
134	23.8	0.0	46.2	

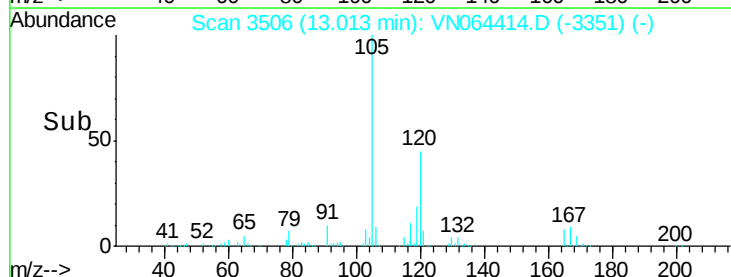
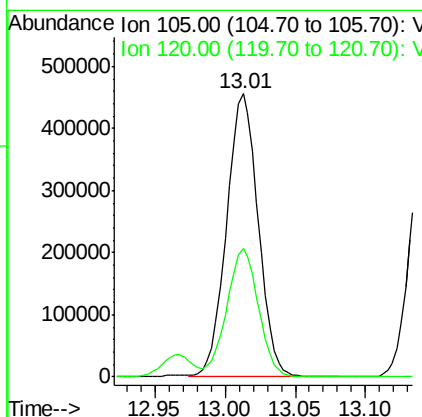
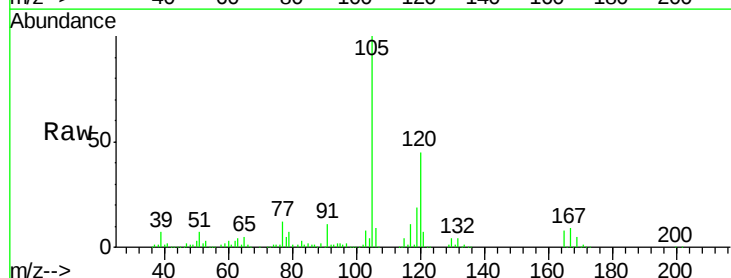
Manual Integrations
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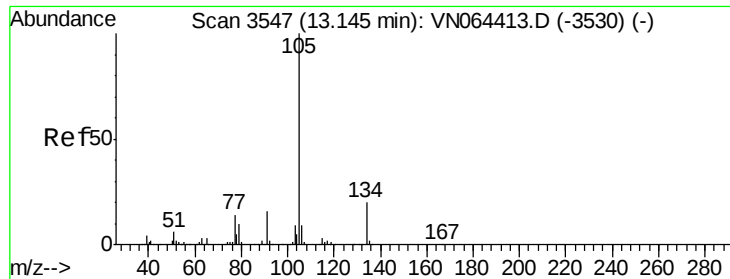
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 47.753 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	713037		
120	45.1	0.0	88.0	





#81

sec-Butylbenzene

Concen: 45.662 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:105 Resp: 718394

Ion Ratio Lower Upper

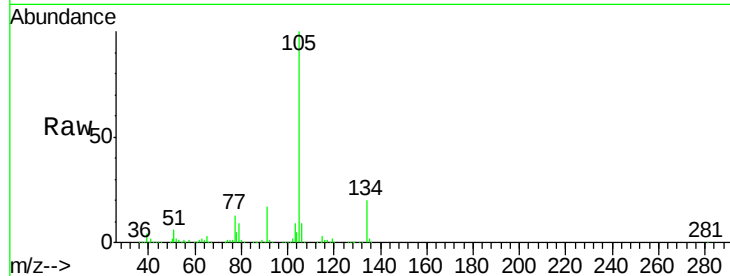
105 100

134 19.5 0.0 39.2

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.14

500000

400000

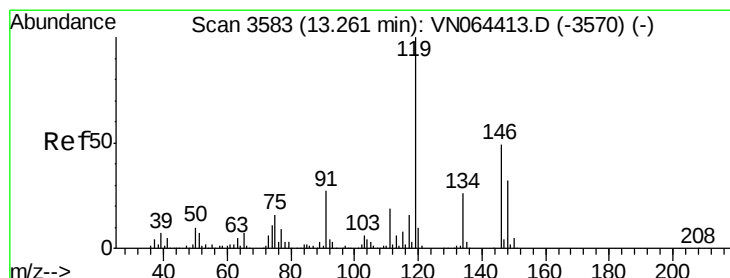
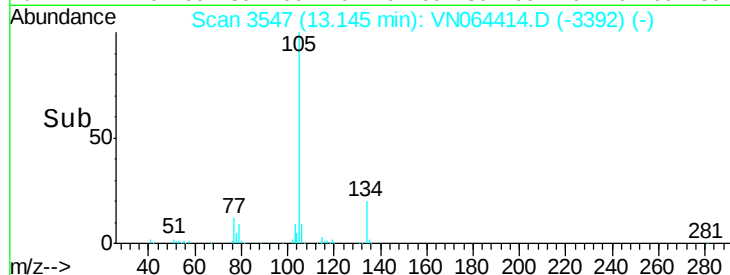
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 46.052 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

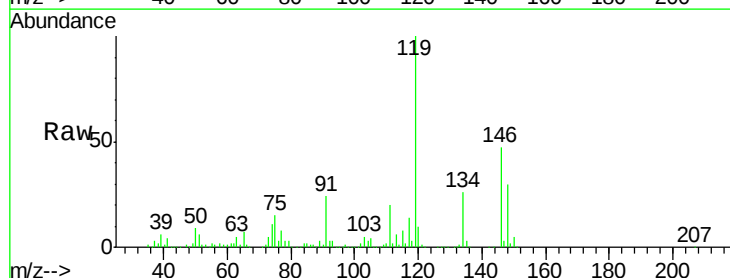
Tgt Ion:119 Resp: 664118

Ion Ratio Lower Upper

119 100

134 25.8 0.0 51.0

91 24.7 0.0 51.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

600000

500000

400000

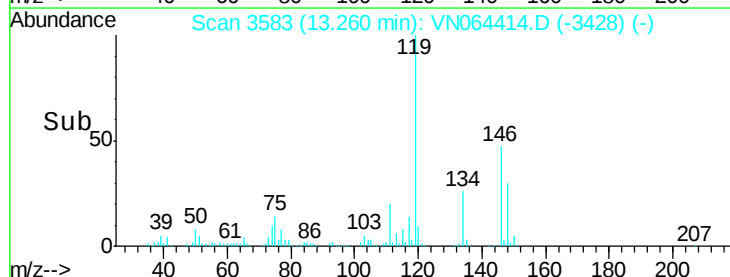
300000

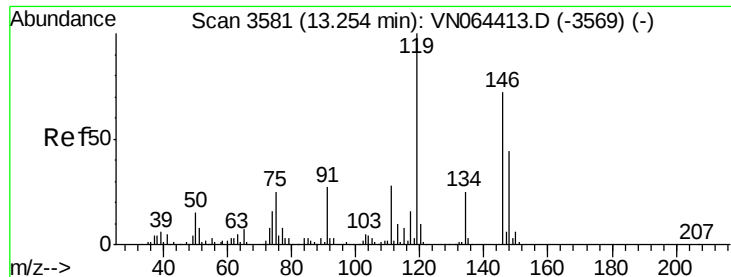
200000

100000

0

Time-->





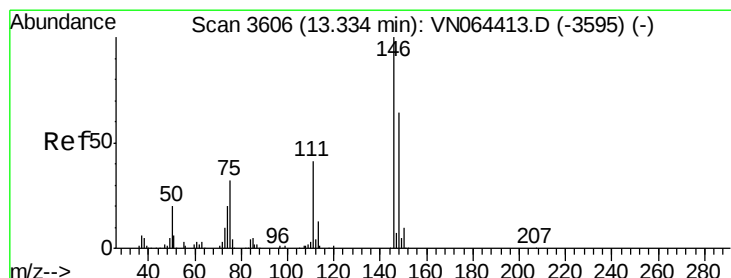
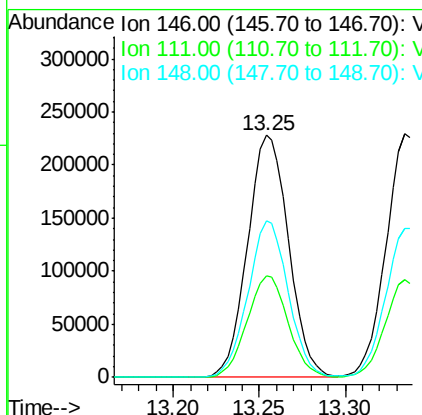
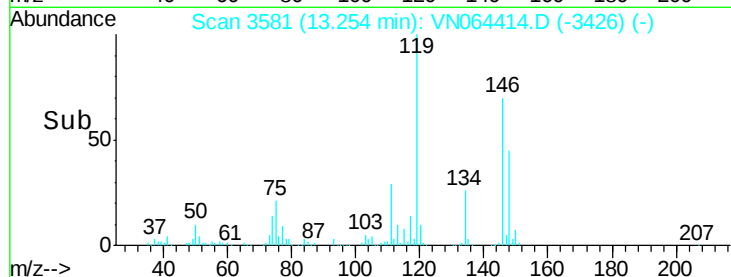
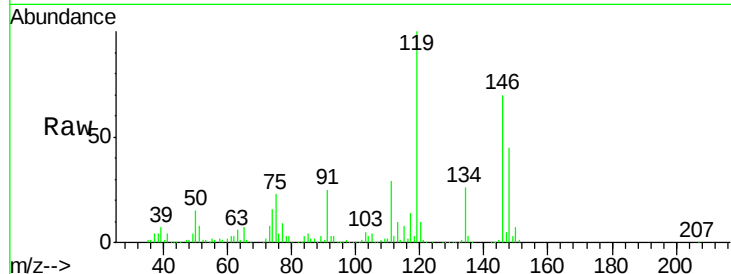
#83
1,3-Dichlorobenzene
Concen: 50.074 ug/l
RT: 13.25 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.5	61.6
148	63.4	31.9	95.5

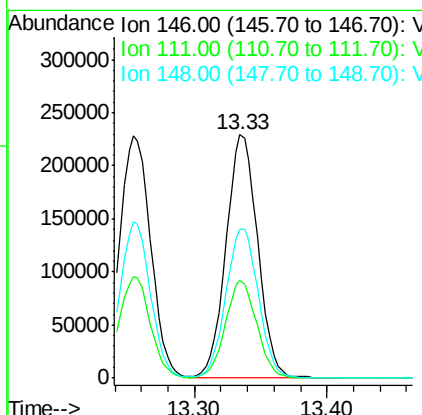
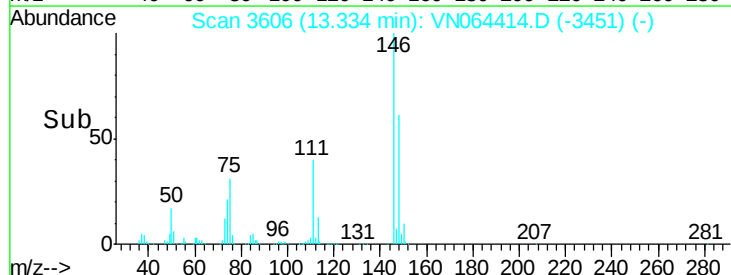
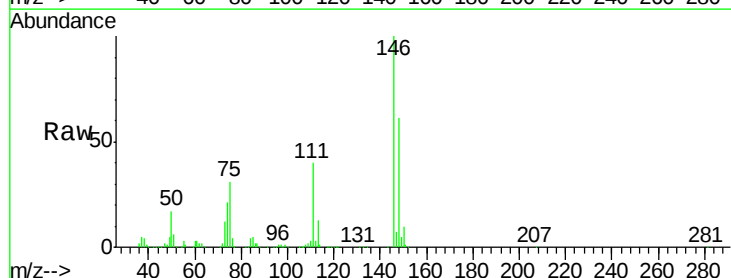
Manual Integrations
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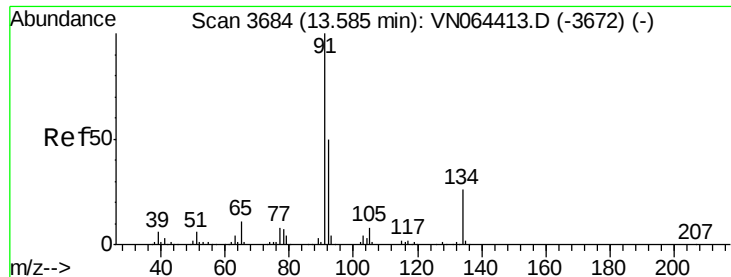
MMDadoda
11/3/2020 2:20:46 PM



#84
1,4-Dichlorobenzene
Concen: 50.074 ug/l
RT: 13.33 min Scan# 3606
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.6
148	62.4	31.9	95.5





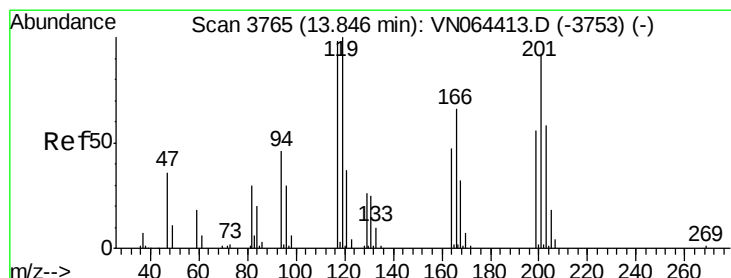
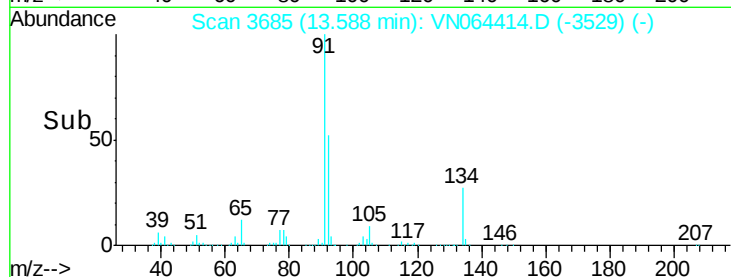
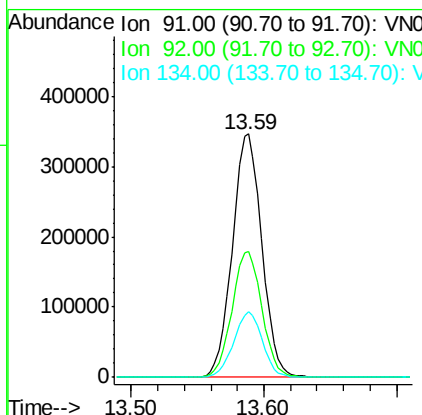
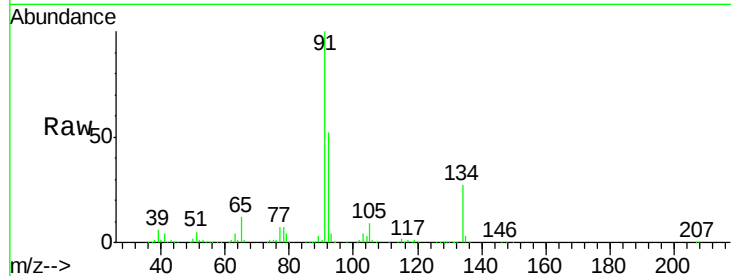
#85
n-Butylbenzene
Concen: 42.879 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.5	0.0	99.4	
134	26.2	0.0	50.0	

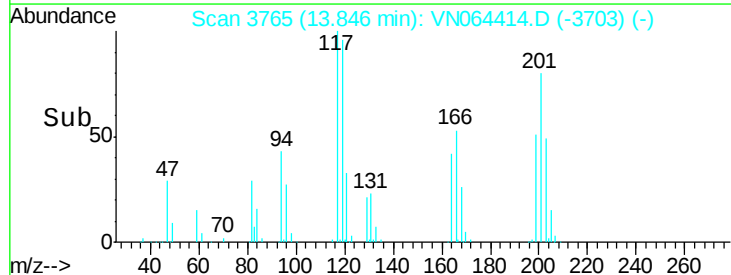
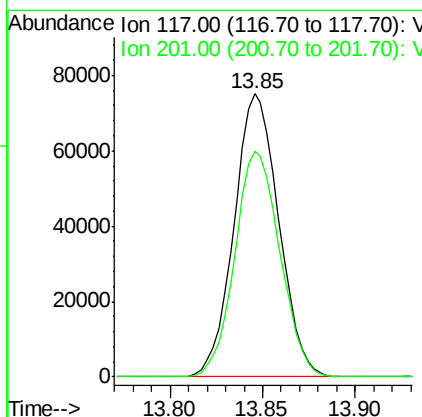
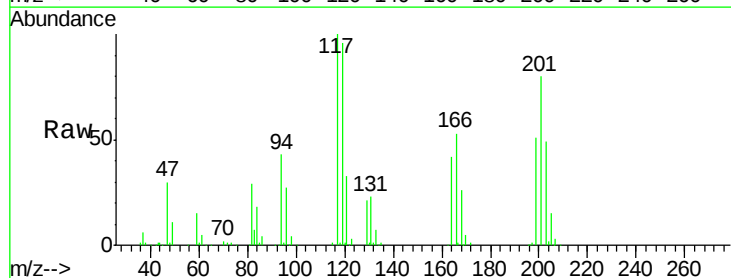
Manual Integrations
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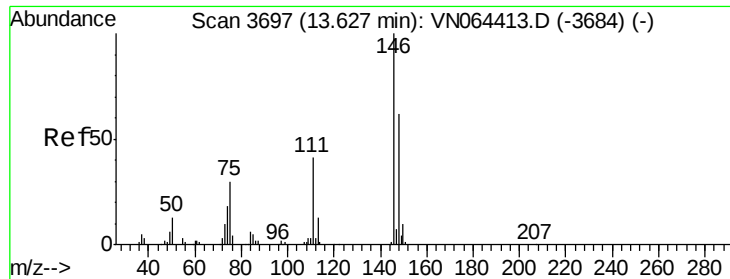
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#86
Hexachloroethane
Concen: 46.945 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	80.4	42.7	128.1	





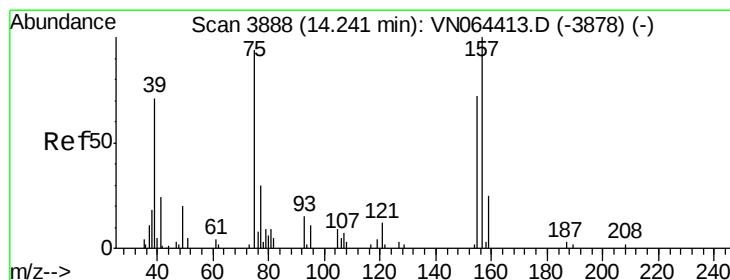
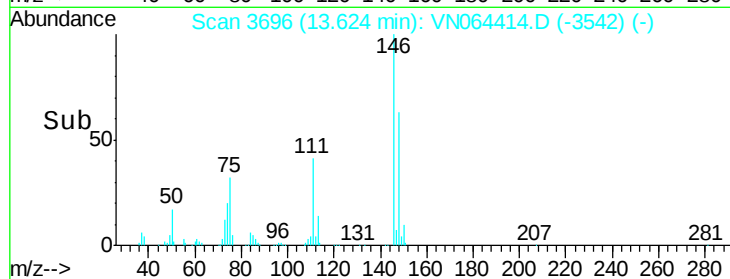
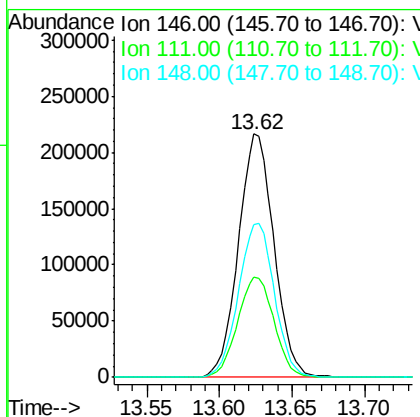
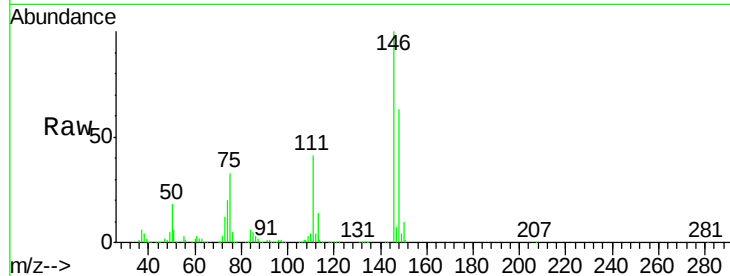
#87
 1,2-Dichlorobenzene
 Concen: 49.736 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	369358		
111	42.2	21.3	64.0	
148	63.8	31.7	95.1	

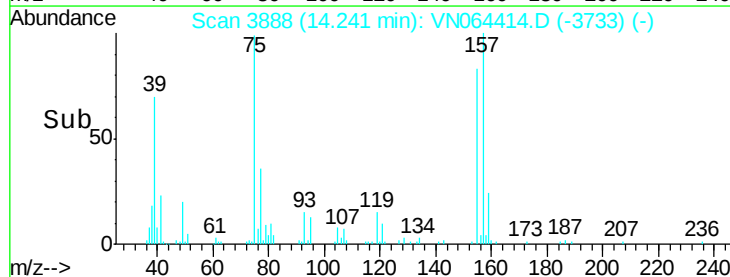
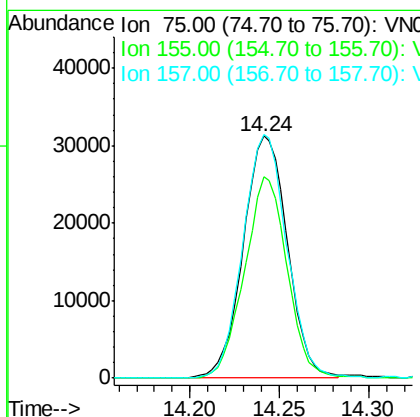
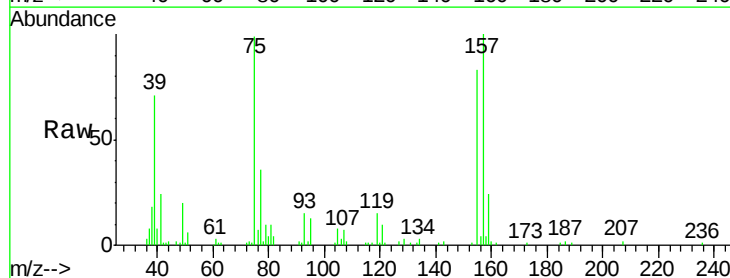
Manual Integrations
 APPROVED

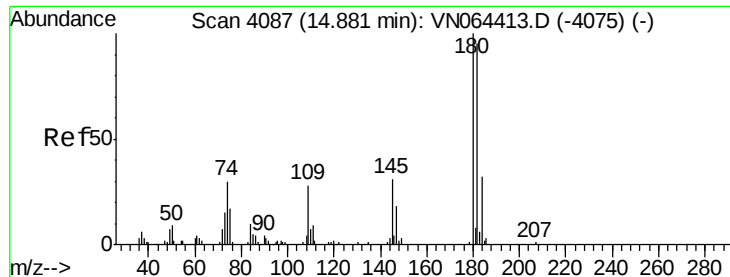
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 11/3/2020 2:20:46 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 44.322 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	54045		
155	80.0	66.2	99.2	
157	100.1	82.7	124.1	





#89

1,2,4-Trichlorobenzene

Concen: 45.037 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

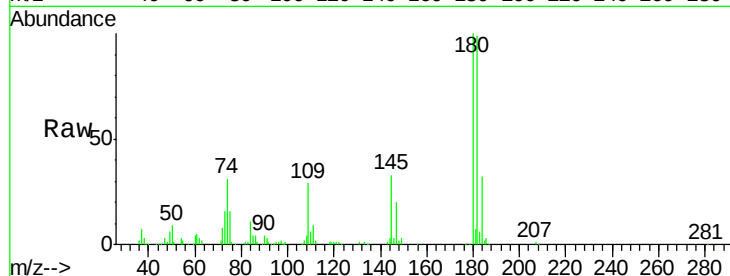
ClientSampleId :

VSTDIC050

Tot Ion:	180	Resp:	184702
Ion Ratio	Lower	Upper	
180	100		
182	97.8	72.6	108.8
145	31.6	24.3	36.5

Manual Integrations
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Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

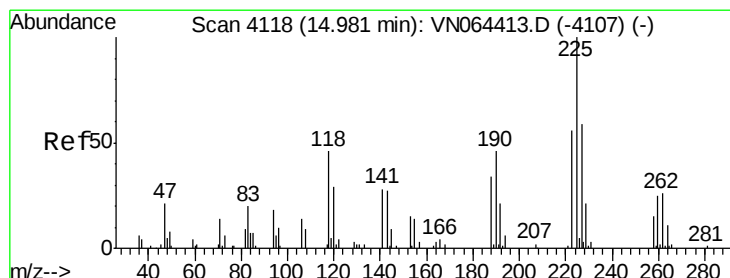
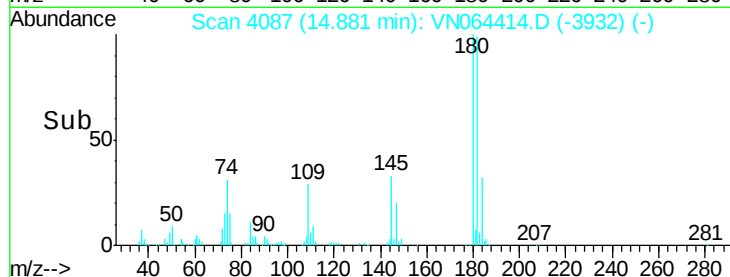
14.88

100000

50000

0

Time--> 14.80 14.85 14.90 14.95



#90

Hexachlorobutadiene

Concen: 43.663 ug/l

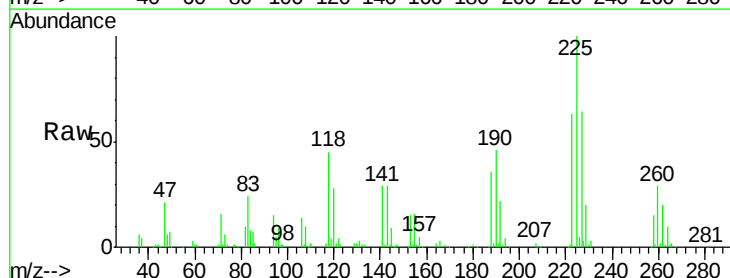
RT: 14.98 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Tgt Ion:	225	Resp:	96533
Ion Ratio	Lower	Upper	
225	100		
223	64.4	0.0	125.6
227	60.8	0.0	121.6



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V

14.98

80000

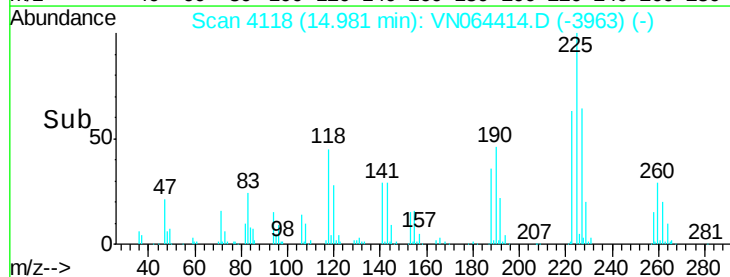
60000

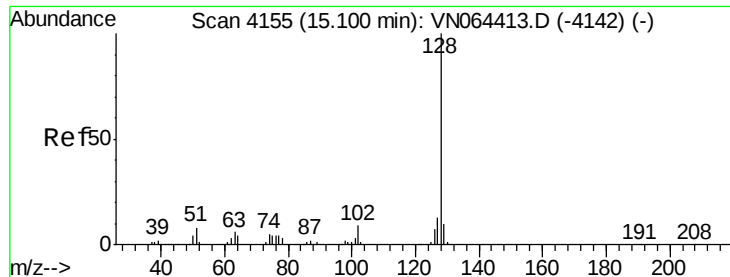
40000

20000

0

Time--> 14.90 14.95 15.00





#91

Naphthalene

Concen: 46.457 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

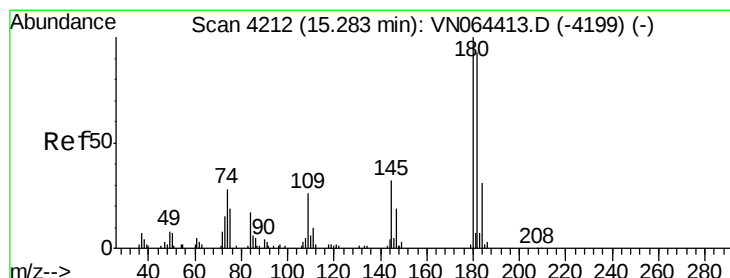
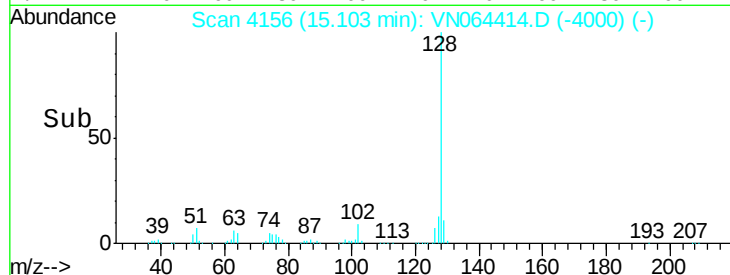
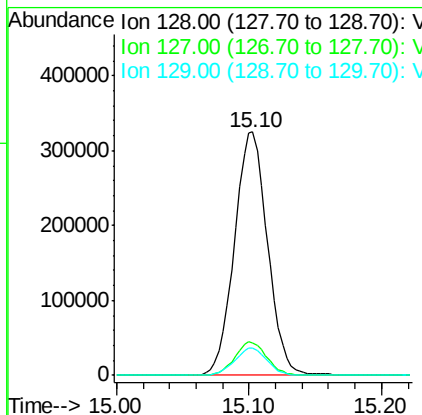
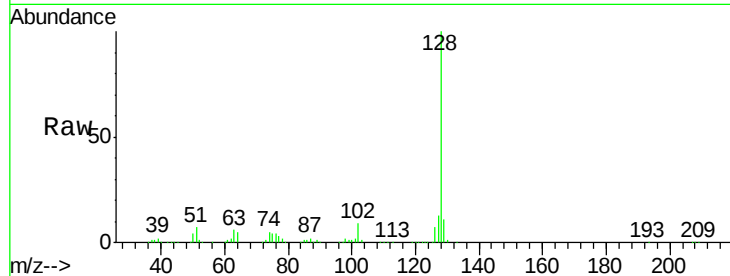
ClientSampleId :

VSTDIC050

Tot Ion:	128	Resp:	563577
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 46.151 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Tgt Ion:	180	Resp:	181239
Ion Ratio	Lower	Upper	
180	100		
182	95.3	0.0	191.4
145	31.4	0.0	64.8

