

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102820\
 Data File : VN064346.D
 Acq On : 28 Oct 2020 12:47
 Operator : JC/MD
 Sample : VN1028WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 9:49:52 AM

Quant Time: Oct 29 02:56:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	223331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	372549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	335737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	161773	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	189601	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
35) Dibromofluoromethane	7.55	113	125136	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
50) Toluene-d8	10.06	98	451275	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.38	95	175580	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	49172	19.154	ug/l	99
3) Chloromethane	2.03	50	50785	18.300	ug/l	96
4) Vinyl Chloride	2.16	62	50791	18.922	ug/l	96
5) Bromomethane	2.53	94	33849	19.516	ug/l	99
6) Chloroethane	2.67	64	32146	20.042	ug/l	98
7) Trichlorofluoromethane	2.98	101	85353	18.981	ug/l	97
8) Diethyl Ether	3.37	74	28754	20.213	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	45117	19.962	ug/l	95
10) Methyl Iodide	3.90	142	47837	15.861	ug/l	99
11) Tert butyl alcohol	4.73	59	54097	103.836	ug/l #	80
12) 1,1-Dichloroethene	3.69	96	38433	18.013	ug/l	95
13) Acrolein	3.57	56	6183	68.501	ug/l	100
14) Allyl chloride	4.27	41	81822	18.781	ug/l	97
15) Acrylonitrile	4.93	53	114958	102.607	ug/l	98
16) Acetone	3.78	43	120876	94.214	ug/l	95
17) Carbon Disulfide	4.01	76	111360	17.640	ug/l	96
18) Methyl Acetate	4.28	43	52753	19.567	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	166293	20.285	ug/l	98
20) Methylene Chloride	4.51	84	47526	18.673	ug/l	93
21) trans-1,2-Dichloroethene	4.99	96	44964	18.891	ug/l #	89
22) Diisopropyl ether	5.90	45	168036	19.733	ug/l	95
23) Vinyl Acetate	5.84	43	750959	104.236	ug/l	100
24) 1,1-Dichloroethane	5.79	63	90388	18.969	ug/l	96
25) 2-Butanone	6.78	43	180146	99.970	ug/l	96
26) 2,2-Dichloropropane	6.78	77	84816	18.187	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	55023	20.199	ug/l	98
28) Bromochloromethane	7.15	49	46126	20.317	ug/l	98
29) Tetrahydrofuran	7.16	42	110829	94.738	ug/l	98
30) Chloroform	7.33	83	99756	19.613	ug/l	97
31) Cyclohexane	7.61	56	78519	18.851	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	92482	18.935	ug/l	99
36) 1,1-Dichloropropene	7.75	75	71262	18.953	ug/l	97
37) Ethyl Acetate	6.88	43	70960	18.684	ug/l	96
38) Carbon Tetrachloride	7.73	117	83096	19.063	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	70288	18.854	ug/l	93
40) Benzene	8.00	78	198188	18.937	ug/l	98
41) Methacrylonitrile	7.13	41	32310m	17.138	ug/l	
42) 1,2-Dichloroethane	8.08	62	89634	19.827	ug/l	100
43) Isopropyl Acetate	8.13	43	132303	20.379	ug/l #	91
44) Trichloroethene	8.80	130	53686	19.582	ug/l	97
45) 1,2-Dichloropropane	9.08	63	54078	19.296	ug/l	98
46) Dibromomethane	9.17	93	37808	19.284	ug/l	94
47) Bromodichloromethane	9.37	83	80832	18.603	ug/l	98
48) Methyl methacrylate	9.16	41	65311	19.499	ug/l	99
49) 1,4-Dioxane	9.16	88	18624	377.234	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	372564	98.725	ug/l	99
52) Toluene	10.12	92	124418	18.840	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	87080	18.954	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	93150	19.696	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	52049	19.966	ug/l	98
56) Ethyl methacrylate	10.40	69	73716	18.680	ug/l	98
57) 1,3-Dichloropropane	10.68	76	86631	19.481	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.66	63	192654	89.466	ug/l	98
59) 2-Hexanone	10.72	43	269075	96.811	ug/l	98
60) Dibromochloromethane	10.87	129	58346	18.930	ug/l	100
61) 1,2-Dibromoethane	10.97	107	52574	19.793	ug/l	99
64) Tetrachloroethene	10.60	164	52430	19.000	ug/l	97
65) Chlorobenzene	11.40	112	136403	20.040	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	52709	19.159	ug/l	97
67) Ethyl Benzene	11.48	91	244621	19.331	ug/l	98
68) m/p-Xylenes	11.59	106	180164	38.418	ug/l	98
69) o-Xylene	11.92	106	84687	18.744	ug/l	99
70) Styrene	11.94	104	147951	19.973	ug/l	98
71) Bromoform	12.10	173	41332	19.142	ug/l #	96
73) Isopropylbenzene	12.22	105	232333	19.175	ug/l	98
74) N-amyl acetate	12.05	43	107326	20.124	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	70217	19.937	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	67864m	17.518	ug/l	
77) Bromobenzene	12.50	156	58347	19.666	ug/l	99
78) n-propylbenzene	12.56	91	261344	19.052	ug/l	97
79) 2-Chlorotoluene	12.65	91	167205	19.068	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	192991	18.824	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	25472	18.940	ug/l	95
82) 4-Chlorotoluene	12.75	91	172154	19.272	ug/l	99
83) tert-Butylbenzene	12.97	119	156271	18.575	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	196849	19.216	ug/l	100
85) sec-Butylbenzene	13.14	105	200377	18.406	ug/l	98
86) p-Isopropyltoluene	13.26	119	184163	18.777	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	99119	19.083	ug/l	97
88) 1,4-Dichlorobenzene	13.33	146	102388	19.354	ug/l	98
89) n-Butylbenzene	13.59	91	160732	18.603	ug/l	99
90) Hexachloroethane	13.85	117	33242	18.047	ug/l	91
91) 1,2-Dichlorobenzene	13.63	146	99004	19.173	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18051	20.656	ug/l	98

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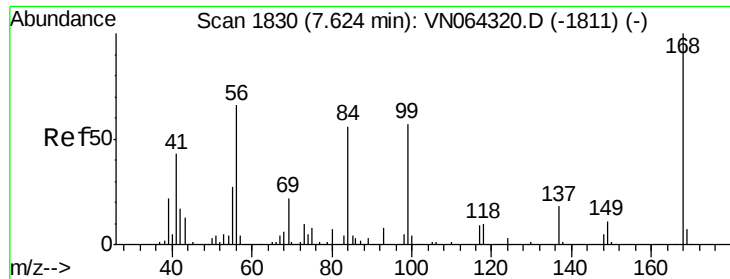
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	51912	18.804	ug/l	97
94) Hexachlorobutadiene	14.98	225	29720	18.755	ug/l	97
95) Naphthalene	15.10	128	161109	19.166	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	51800	19.499	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion:168 Resp: 223331

Ion Ratio Lower Upper

168 100

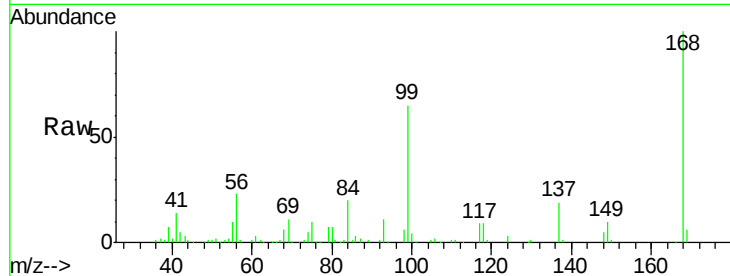
99 64.5 52.7 79.1

Manual Integrations

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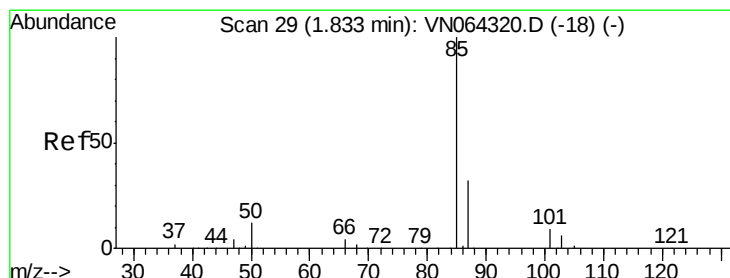
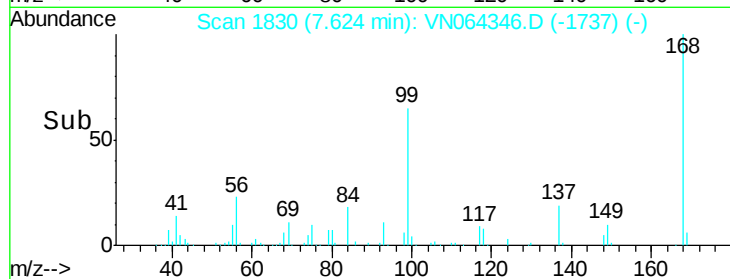
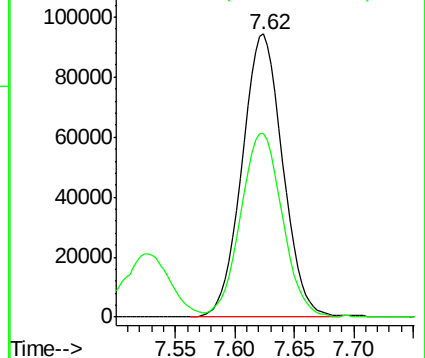
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.154 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064346.D

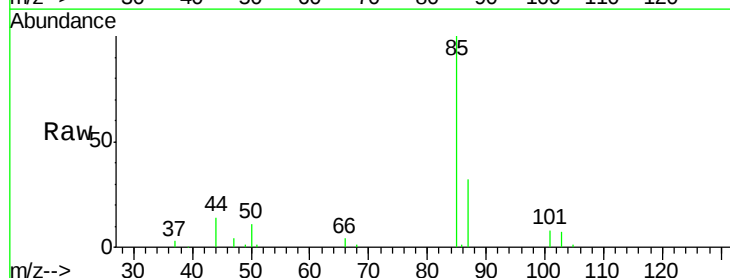
Acq: 28 Oct 2020 12:47

Tgt Ion: 85 Resp: 49172

Ion Ratio Lower Upper

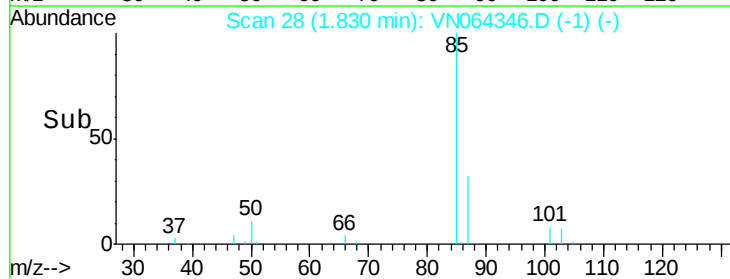
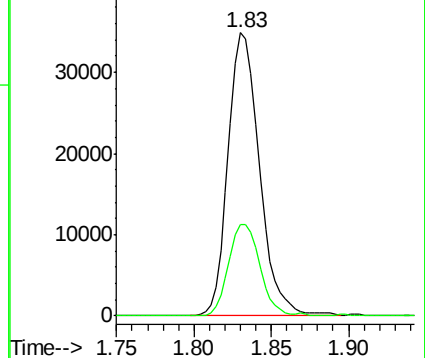
85 100

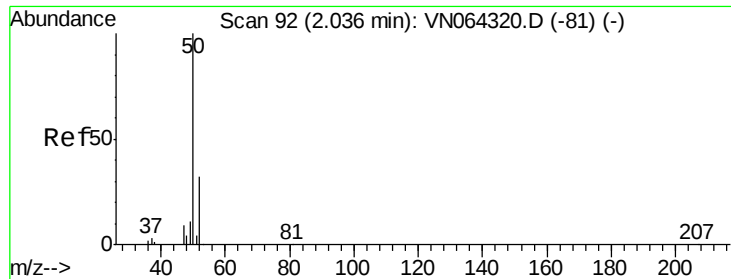
87 32.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.300 ug/l

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion: 50 Resp: 50785

Ion Ratio Lower Upper

50 100

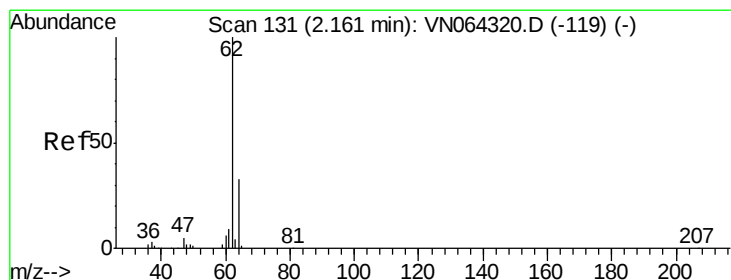
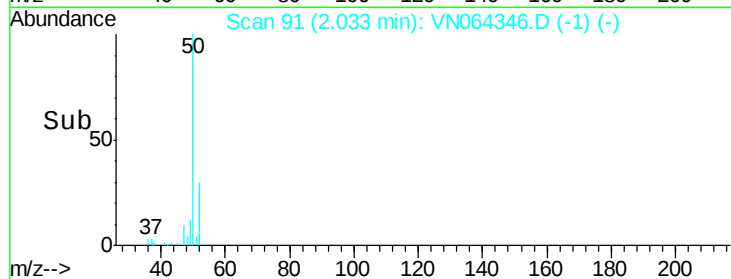
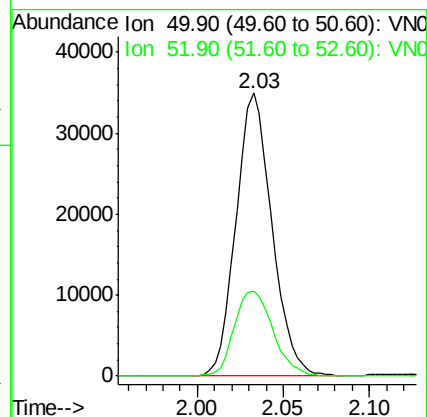
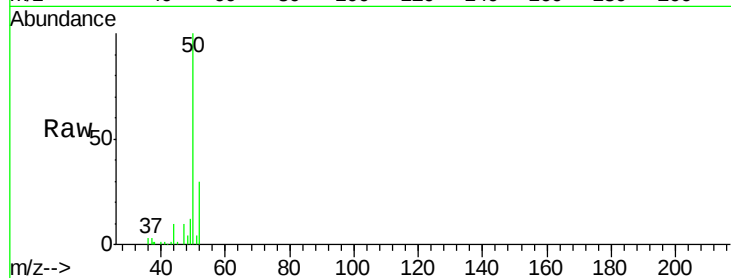
52 29.9 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.922 ug/l

RT: 2.16 min Scan# 131

Delta R.T. 0.00 min

Lab File: VN064346.D

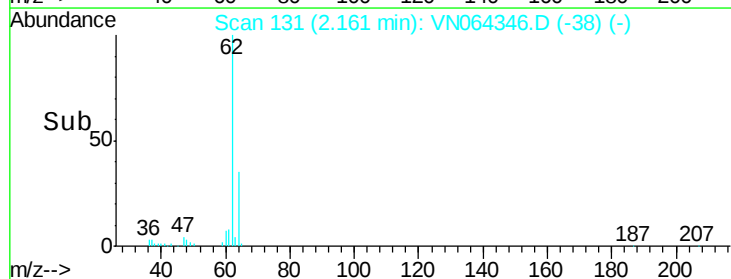
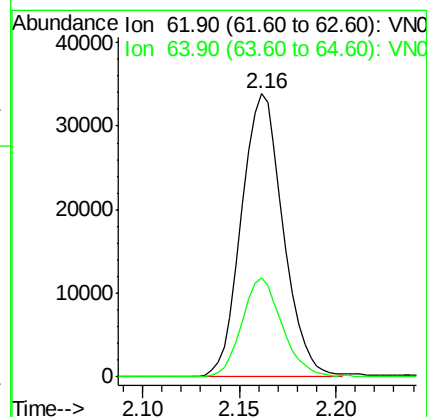
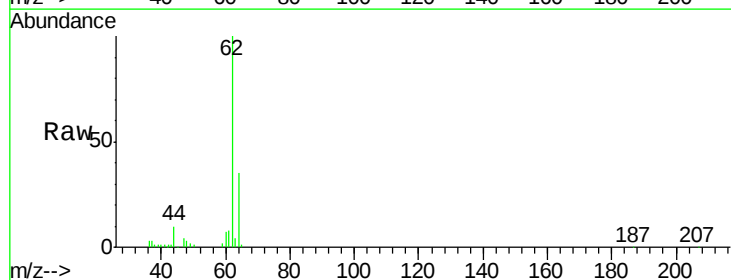
Acq: 28 Oct 2020 12:47

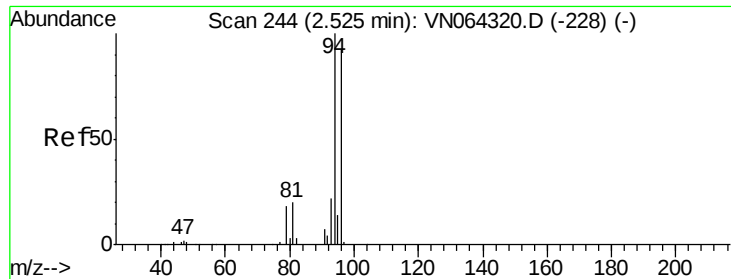
Tgt Ion: 62 Resp: 50791

Ion Ratio Lower Upper

62 100

64 34.9 26.2 39.4





#5

Bromomethane

Concen: 19.516 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

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ClientSampleId :

VN1028WBSD01

Tot Ion: 94 Resp: 33849

Ion Ratio Lower Upper

94 100

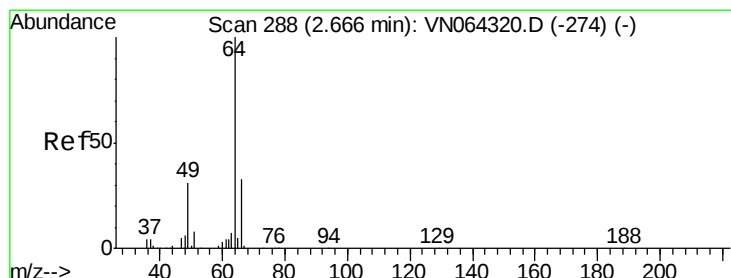
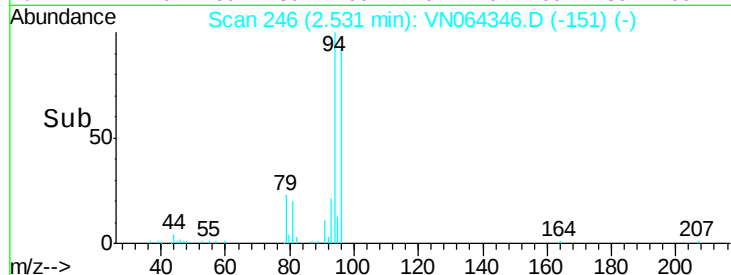
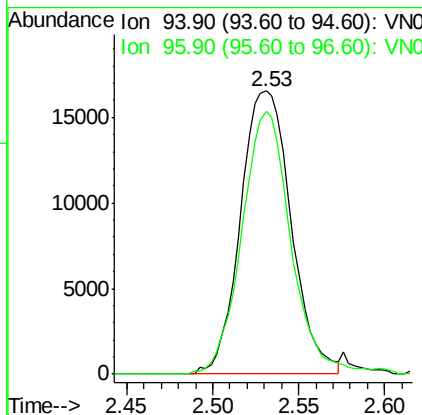
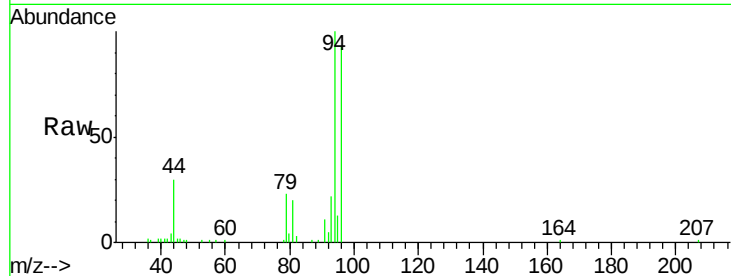
96 92.8 73.6 110.4

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#6

Chloroethane

Concen: 20.042 ug/l

RT: 2.67 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN064346.D

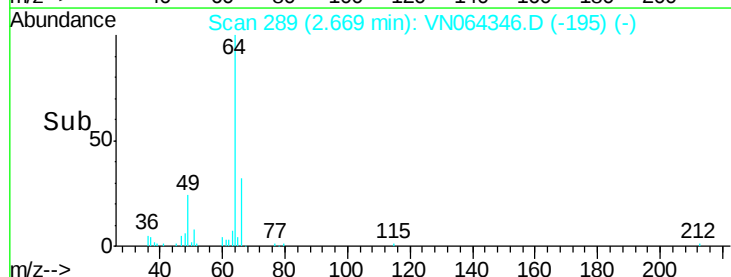
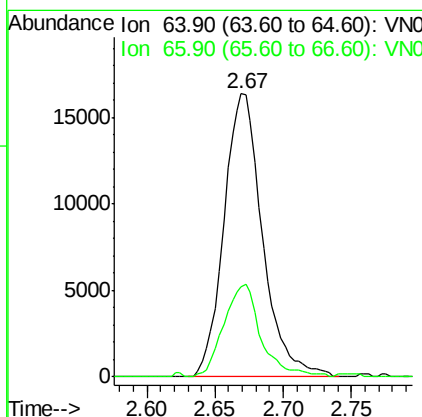
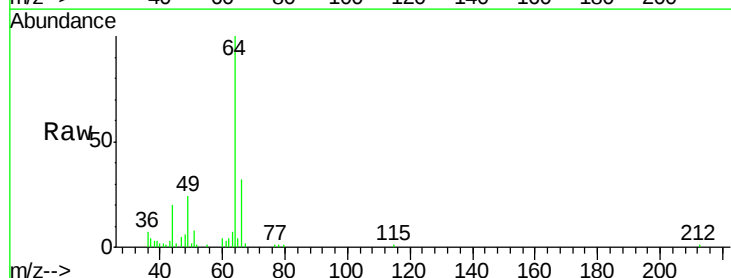
Acq: 28 Oct 2020 12:47

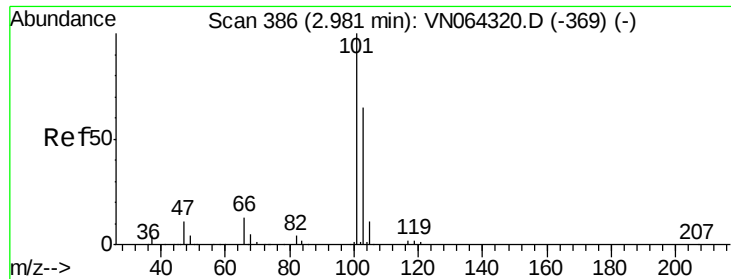
Tgt Ion: 64 Resp: 32146

Ion Ratio Lower Upper

64 100

66 31.7 26.5 39.7





#7

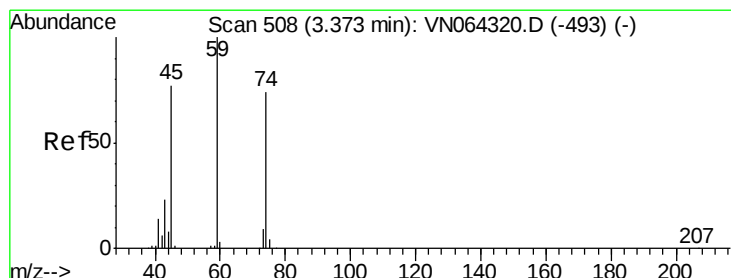
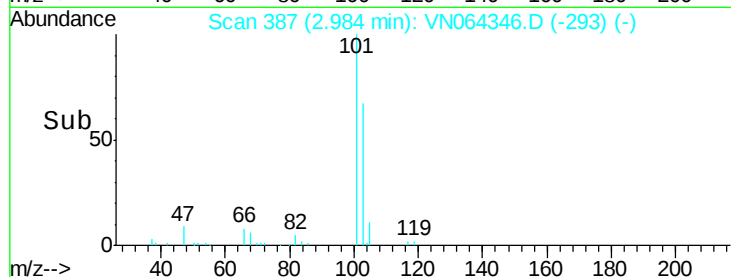
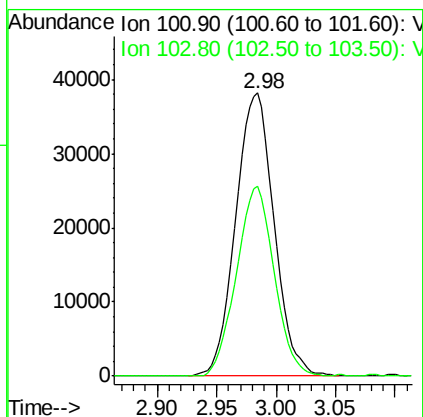
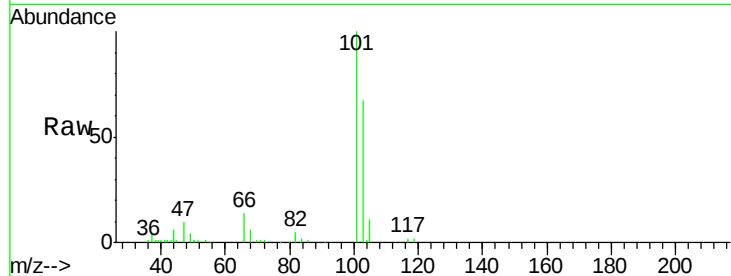
Trichlorofluoromethane
Concen: 18.981 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN064346.D
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VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	51.7	77.5

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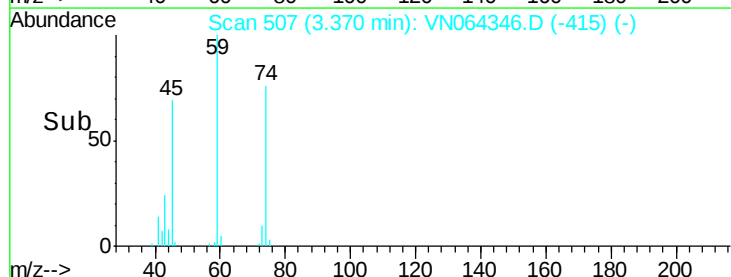
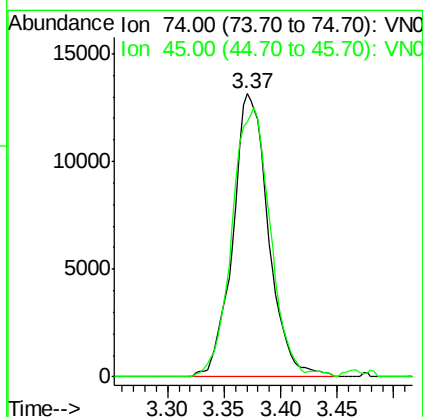
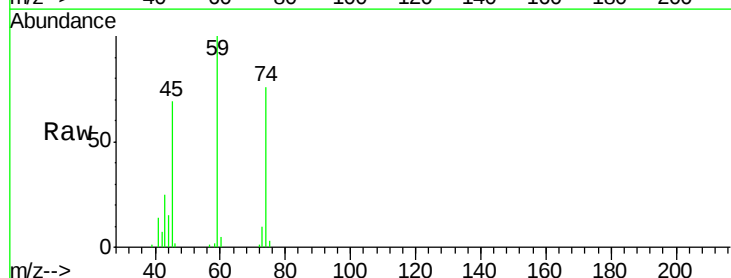
MMDadoda
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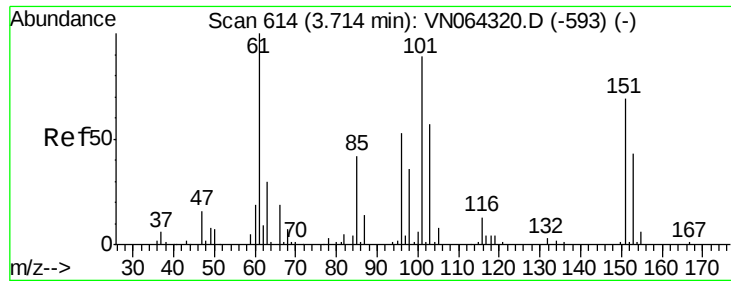


#8

Diethyl Ether
Concen: 20.213 ug/l
RT: 3.37 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN064346.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	51.3	154.0





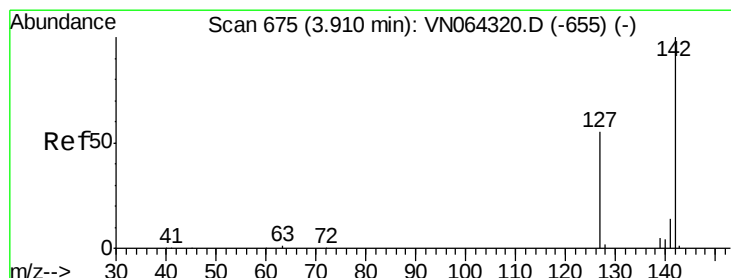
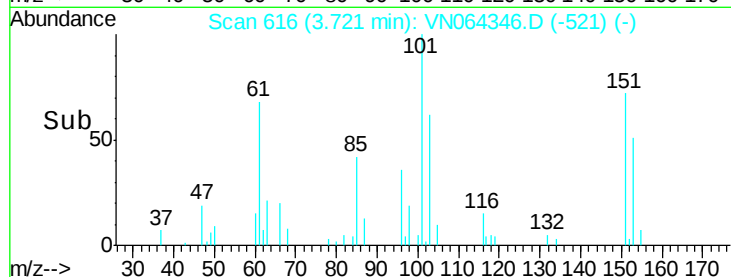
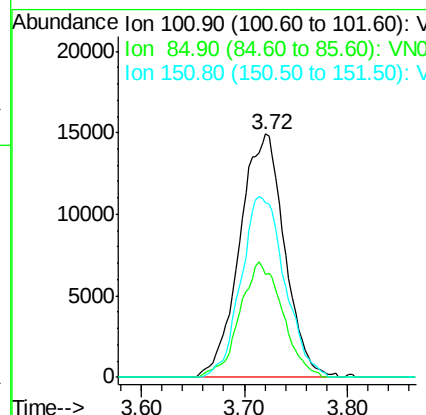
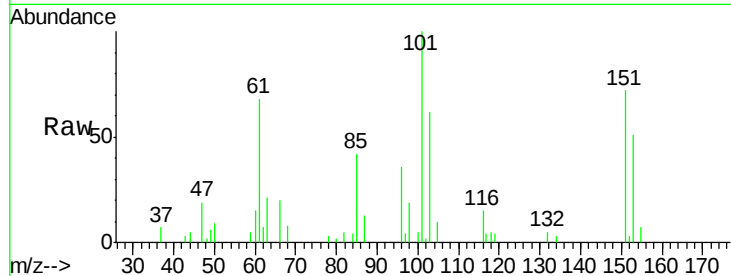
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.962 ug/l
 RT: 3.72 min Scan# 616
 Delta R.T. 0.01 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.1	38.4	57.6
151	72.6	62.0	93.0

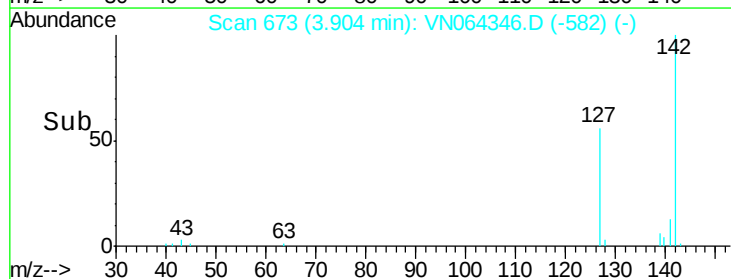
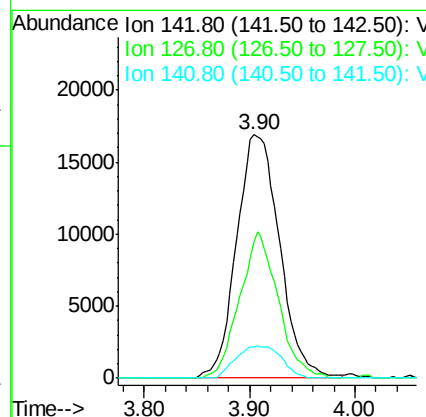
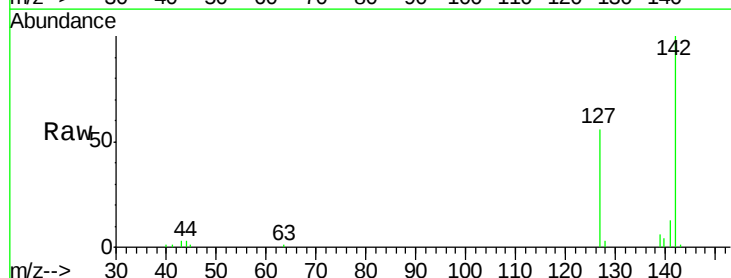
Manual Integrations
 APPROVED

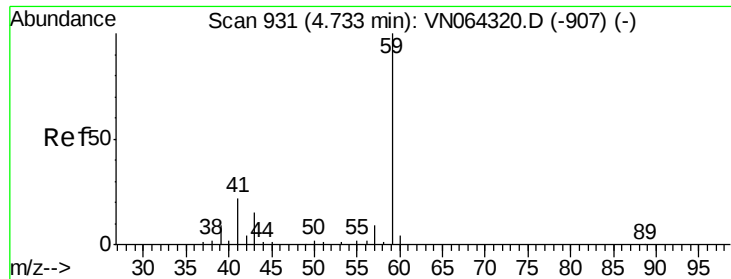
MMDadoda
 10/29/2020 9:49:52 AM



#10
 Methyl Iodide
 Concen: 15.861 ug/l
 RT: 3.90 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
142	100		
127	53.6	43.3	64.9
141	14.0	11.5	17.3





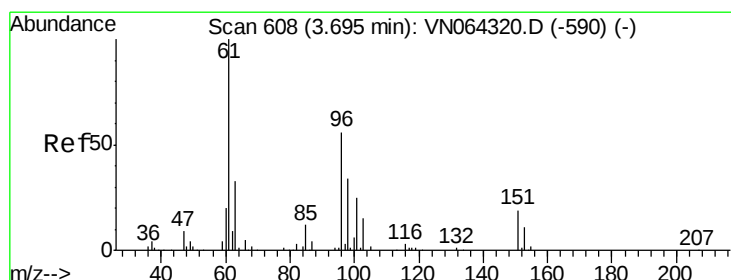
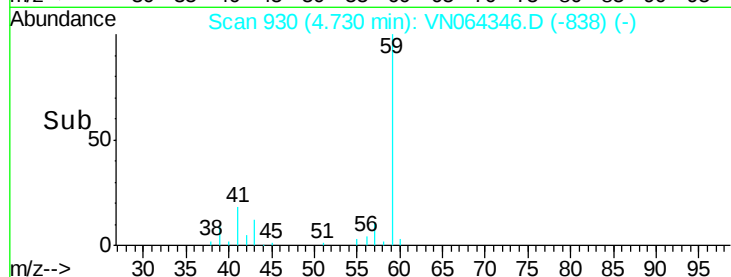
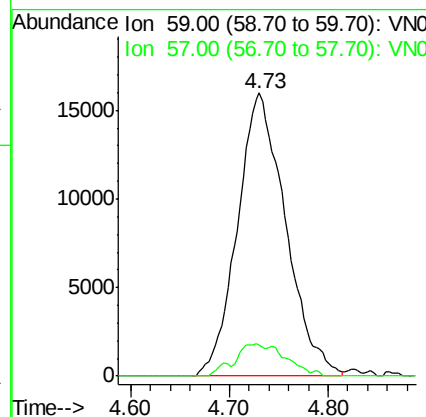
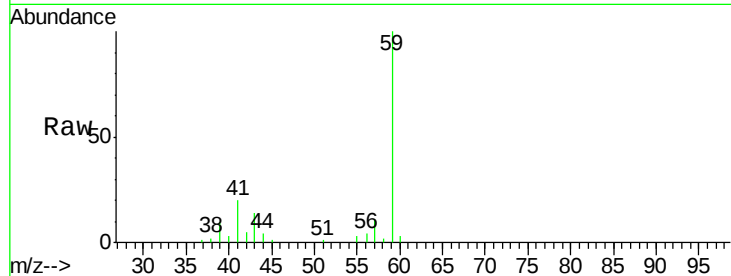
#11
Tert butyl alcohol
Concen: 103.836 ug/l
RT: 4.73 min Scan# 930
Delta R.T. -0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.8	9.4	14.0#

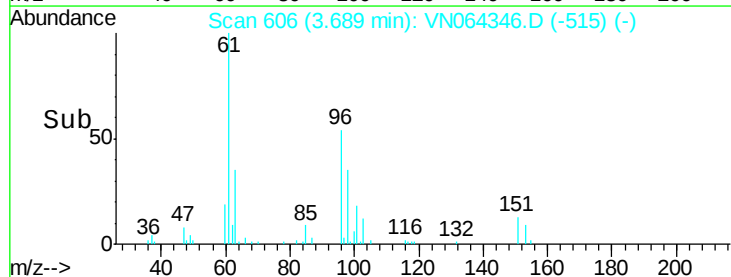
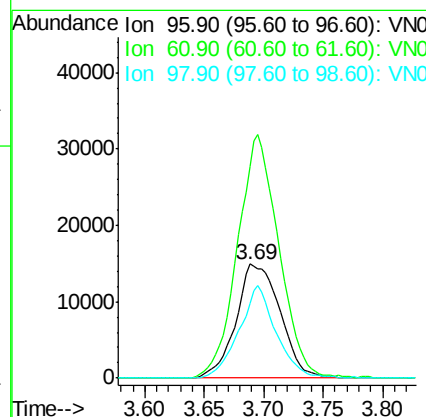
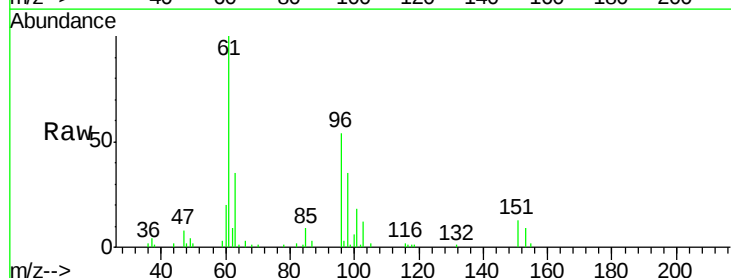
Manual Integrations
APPROVED

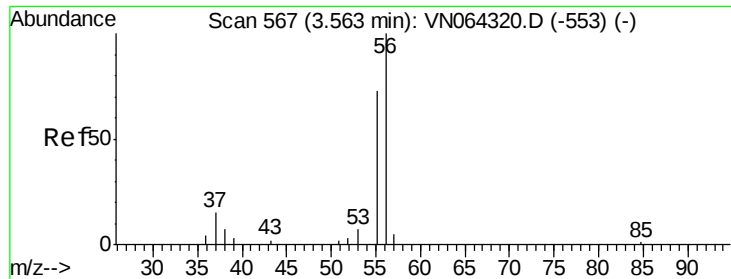
MMDadoda
10/29/2020 9:49:52 AM



#12
1,1-Dichloroethene
Concen: 18.013 ug/l
RT: 3.69 min Scan# 606
Delta R.T. -0.01 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.2	143.6	215.4
98	65.4	48.6	73.0





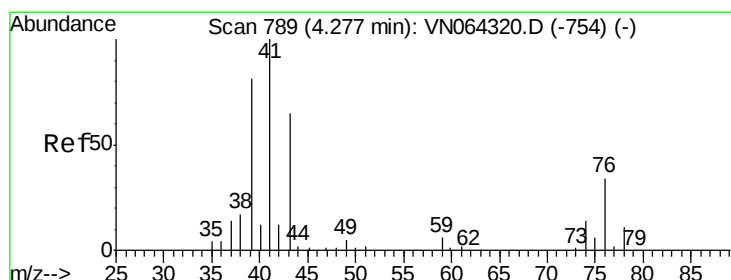
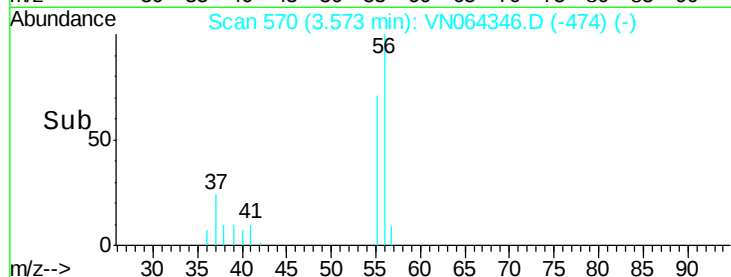
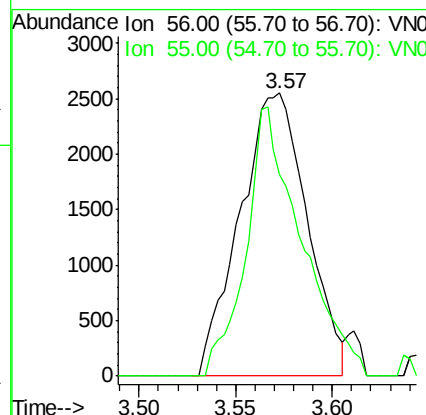
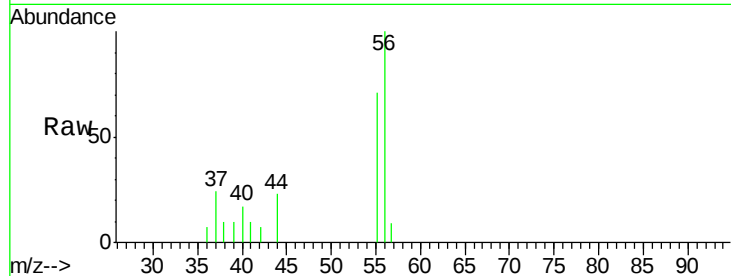
#13
Acrolein
Concen: 68.501 ug/l
RT: 3.57 min Scan# 570
Delta R.T. 0.01 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	56	Resp	6183
Ion Ratio	100	Lower	Upper
55	78.2	62.6	94.0

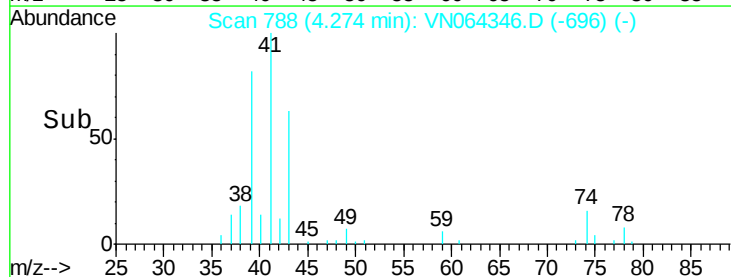
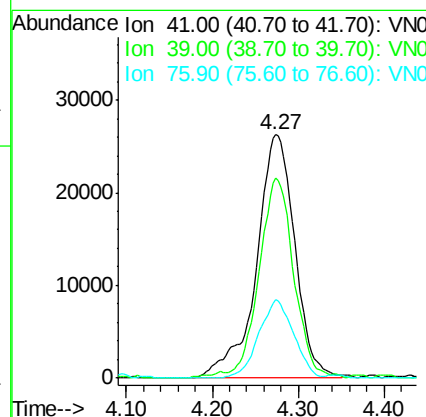
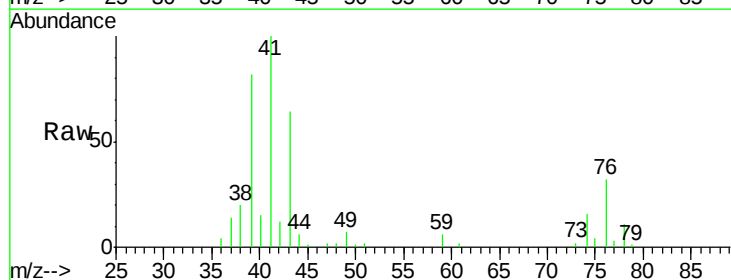
Manual Integrations
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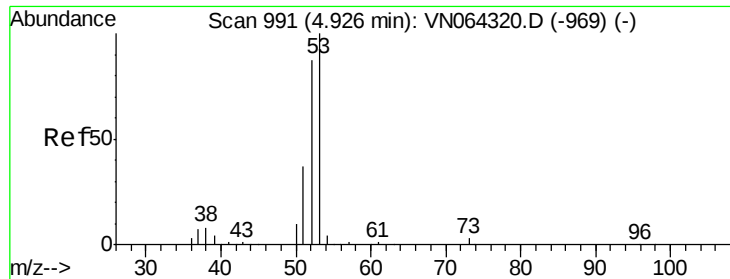
MMDadoda
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#14
Allyl chloride
Concen: 18.781 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion	41	Resp	81822
Ion Ratio	100	Lower	Upper
39	73.9	61.7	92.5
76	29.3	24.0	36.0





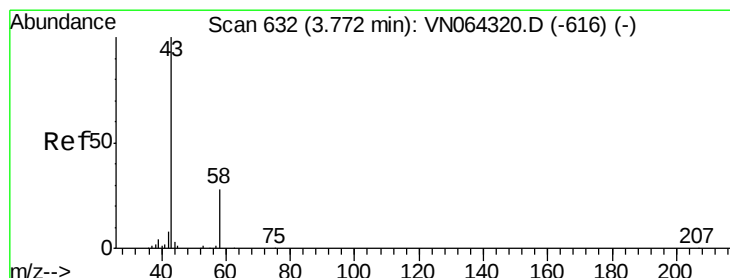
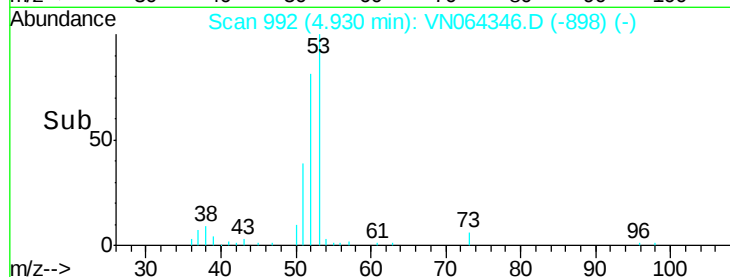
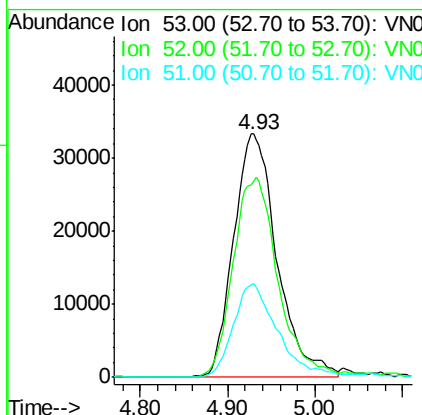
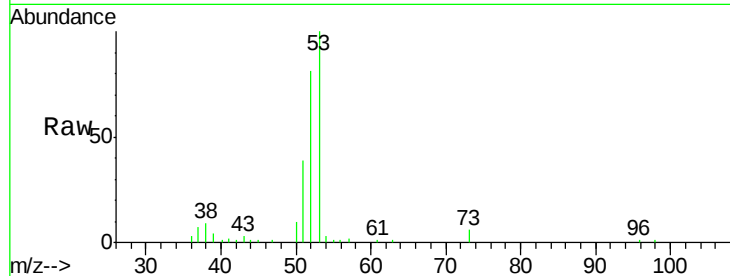
#15
 Acrylonitrile
 Concen: 102.607 ug/l
 RT: 4.93 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion:	53	Resp:	114958
Ion	Ratio	Lower	Upper
53	100		
52	84.3	65.9	98.9
51	37.5	30.4	45.6

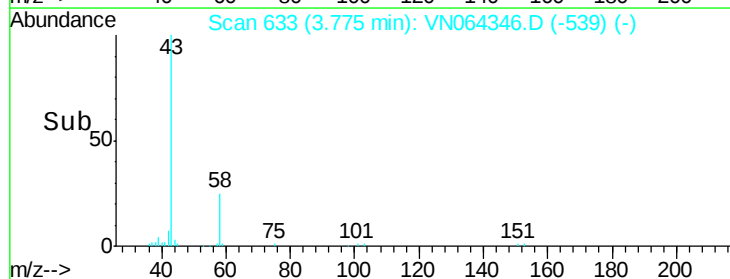
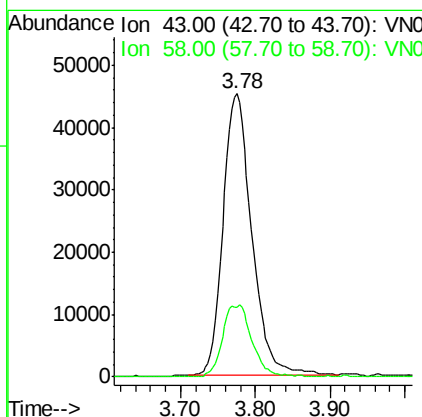
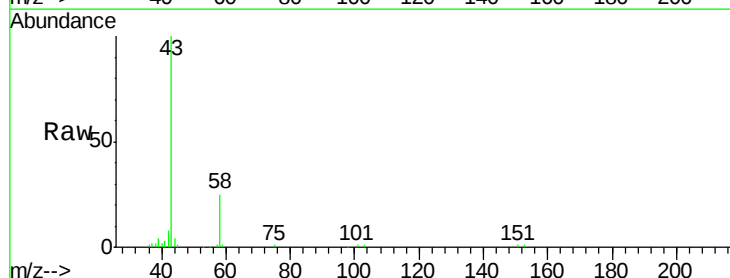
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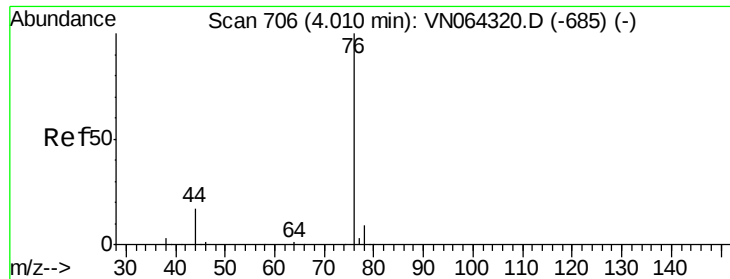
MMDadoda
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#16
 Acetone
 Concen: 94.214 ug/l
 RT: 3.78 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion:	43	Resp:	120876
Ion	Ratio	Lower	Upper
43	100		
58	24.9	22.1	33.1





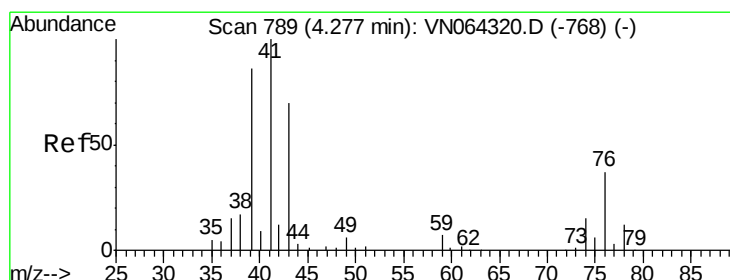
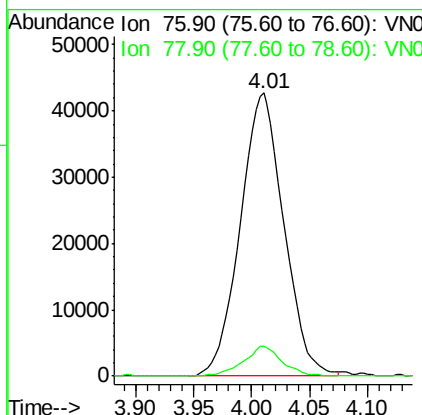
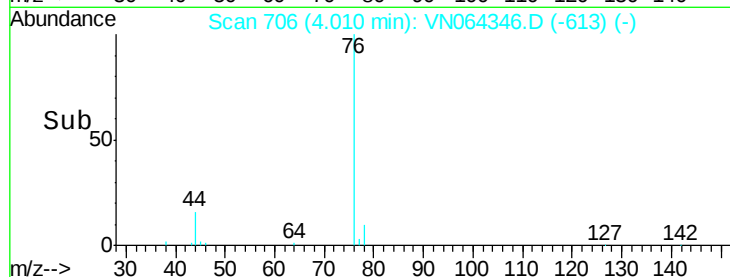
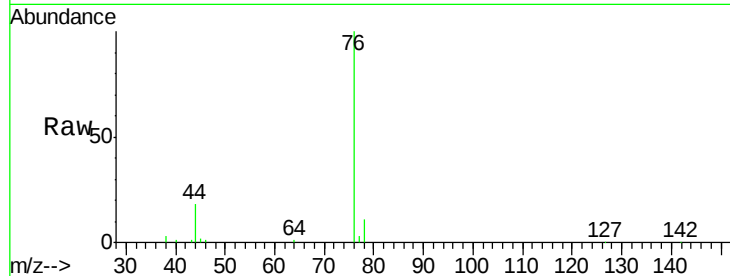
#17
Carbon Disulfide
Concen: 17.640 ug/l
RT: 4.01 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion: 76 Resp: 111360
Ion Ratio Lower Upper
76 100
78 10.7 7.3 10.9

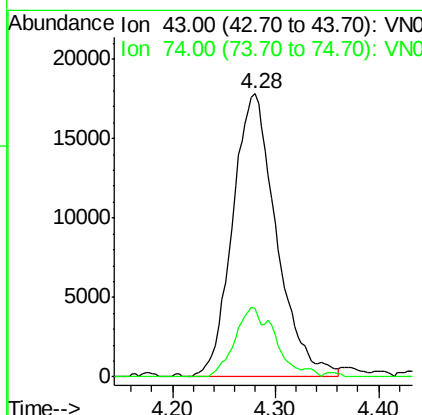
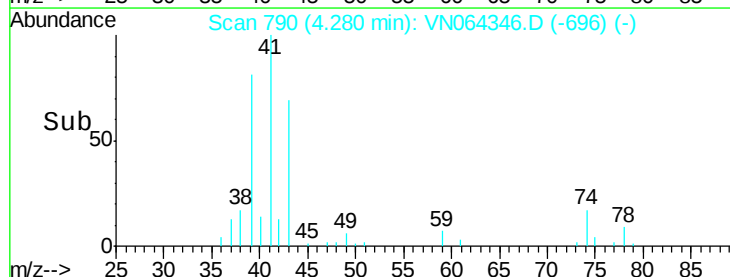
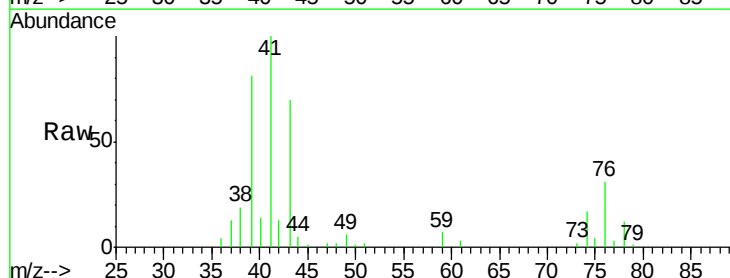
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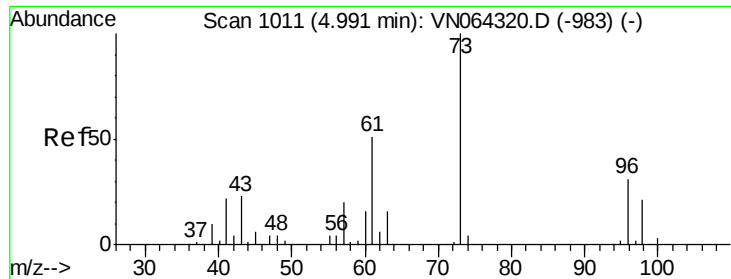
MMDadoda
10/29/2020 9:49:52 AM



#18
Methyl Acetate
Concen: 19.567 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion: 43 Resp: 52753
Ion Ratio Lower Upper
43 100
74 21.8 16.7 25.1





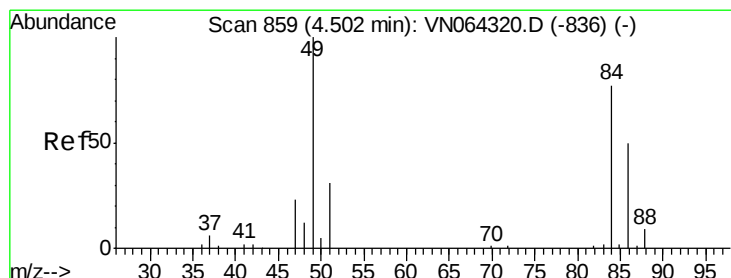
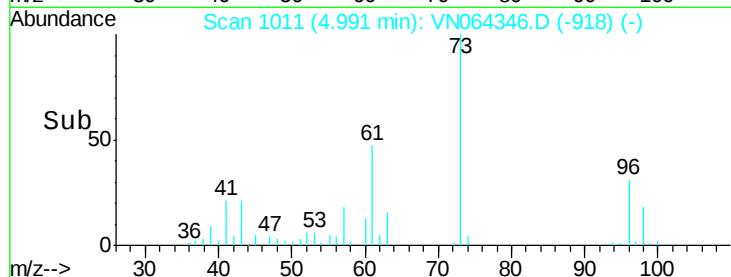
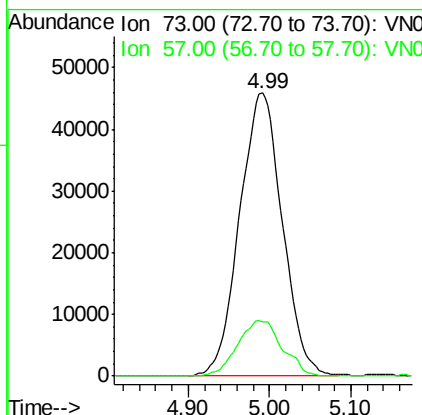
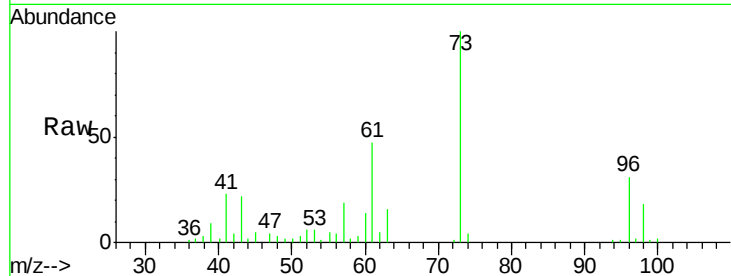
#19
Methvl tert-butvl Ether
Concen: 20.285 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion: 73 Resp: 166293
Ion Ratio Lower Upper
73 100
57 19.3 16.1 24.1

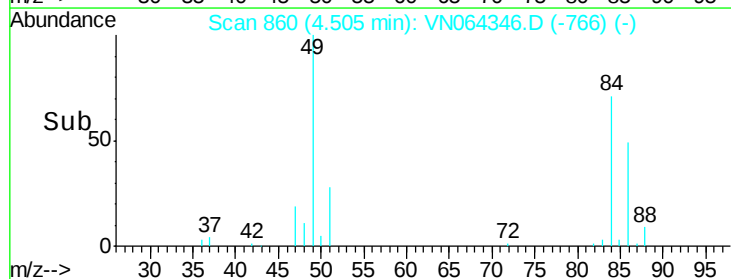
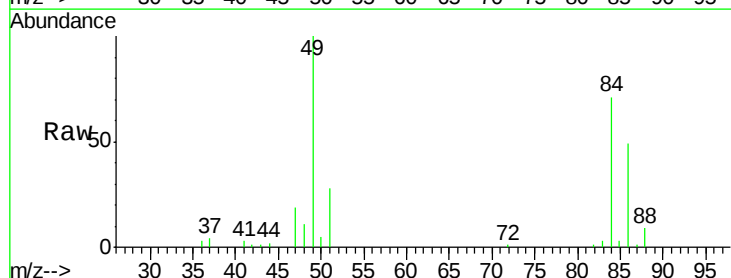
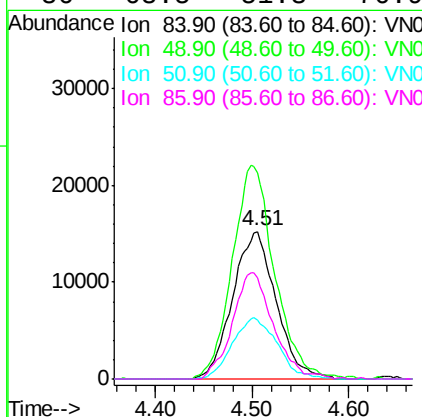
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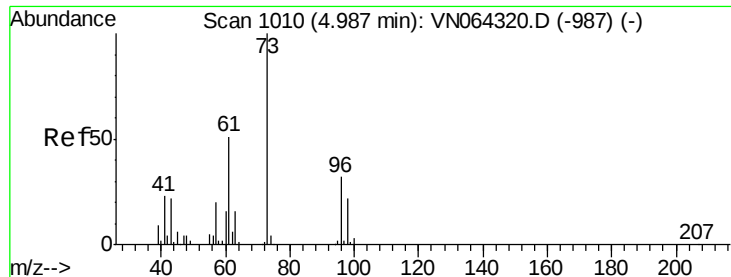
MMDadoda
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#20
Methylene Chloride
Concen: 18.673 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion: 84 Resp: 47526
Ion Ratio Lower Upper
84 100
49 140.4 103.6 155.4
51 39.6 31.8 47.8
86 68.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 18.891 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

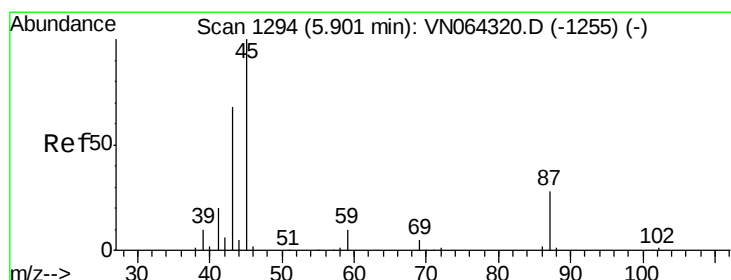
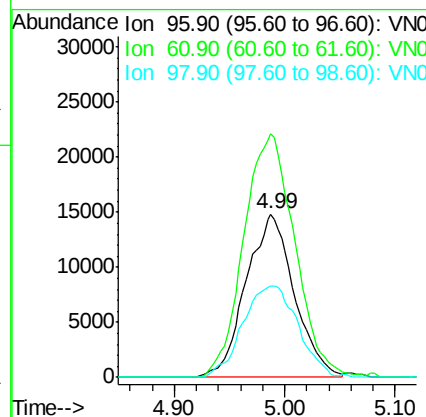
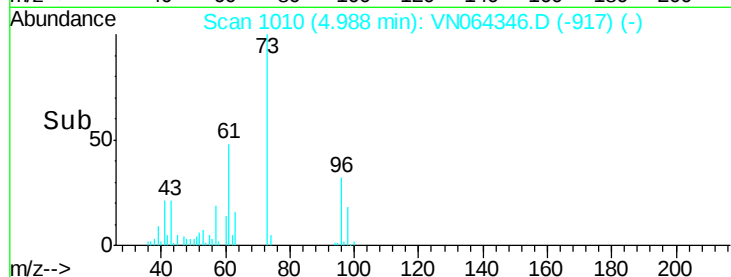
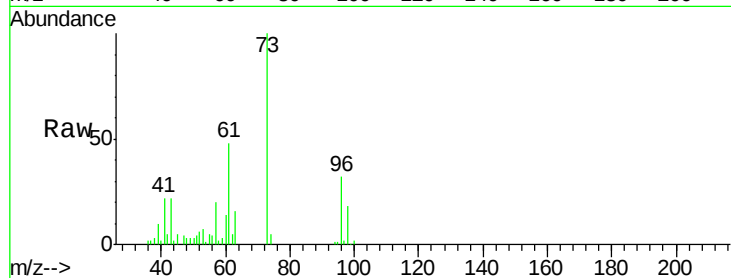
ClientSampleId :

VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.3	128.2	192.2
98	55.6	56.1	84.1#

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.733 ug/l

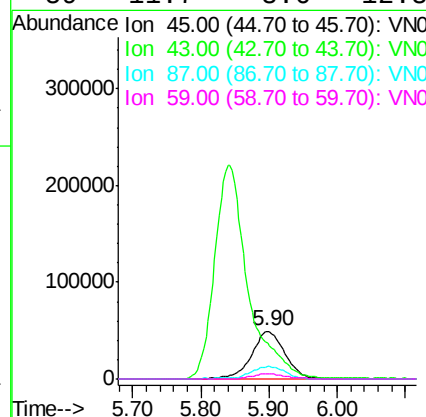
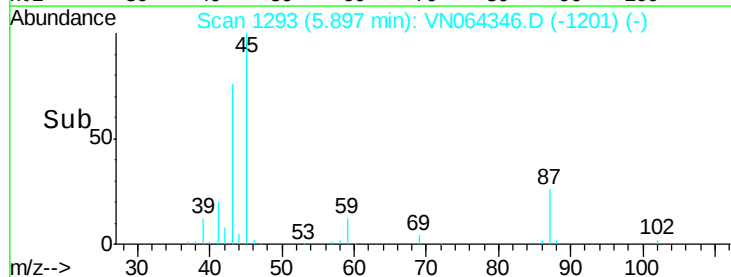
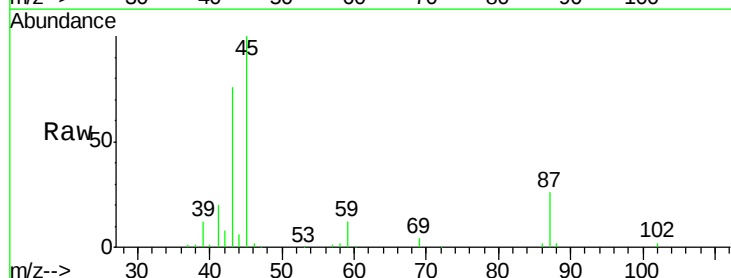
RT: 5.90 min Scan# 1293

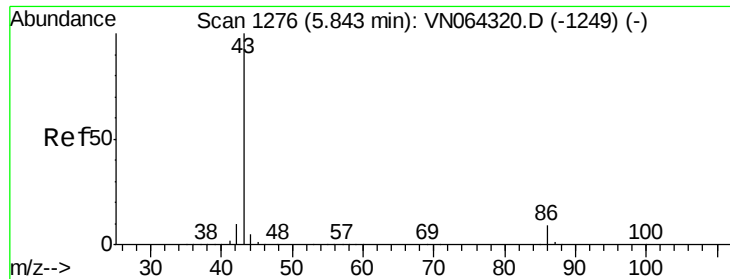
Delta R.T. -0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.7	54.6	82.0
87	26.1	22.6	33.8
59	11.7	8.6	12.8





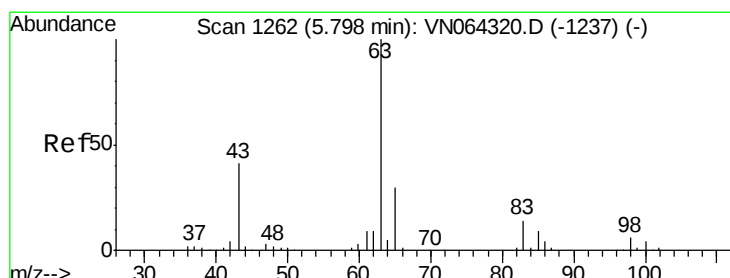
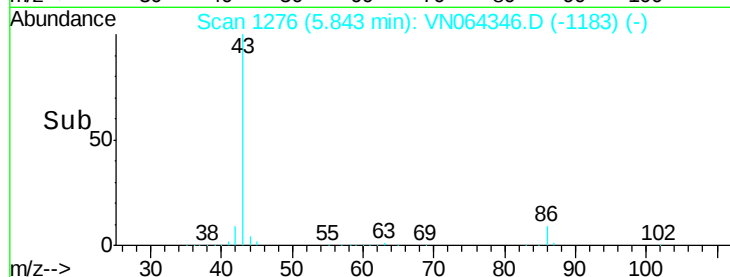
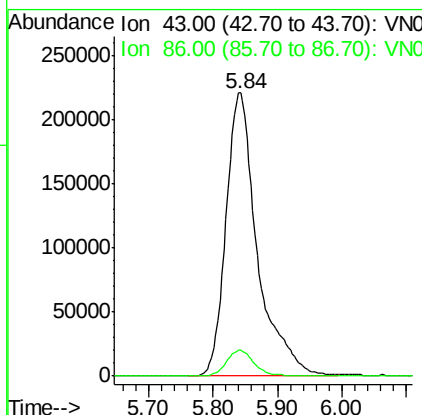
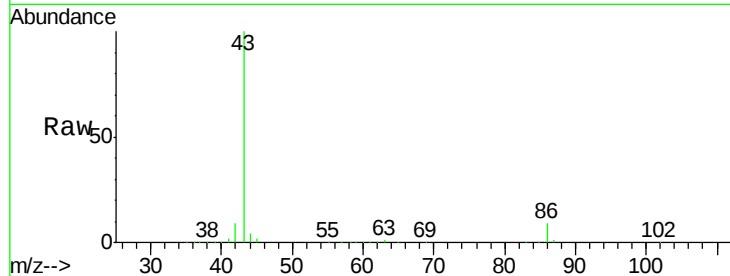
#23
 Vinyl Acetate
 Concen: 104.236 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion	43	Resp	750959
Ion Ratio	100	Lower	Upper
43	100		
86	9.2	7.3	10.9

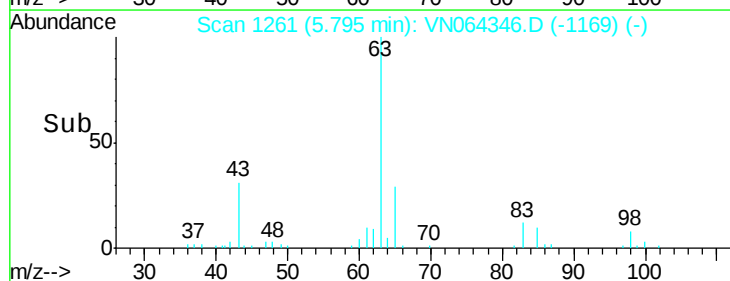
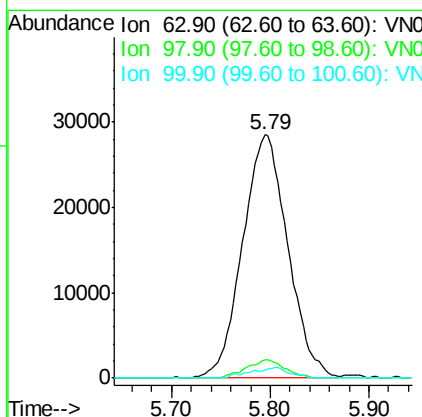
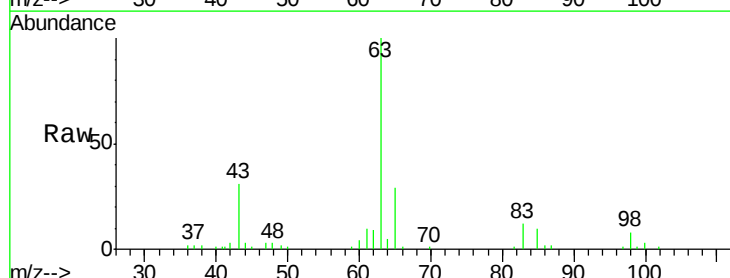
Manual Integrations
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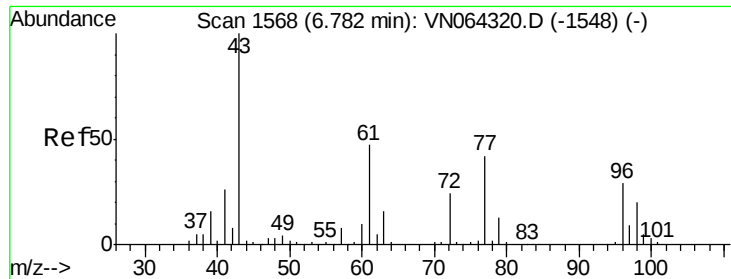
MMDadoda
 10/29/2020 9:49:52 AM



#24
 1,1-Dichloroethane
 Concen: 18.969 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion	63	Resp	90388
Ion Ratio	100	Lower	Upper
63	100		
98	7.7	3.1	9.4
100	3.1	2.0	5.8





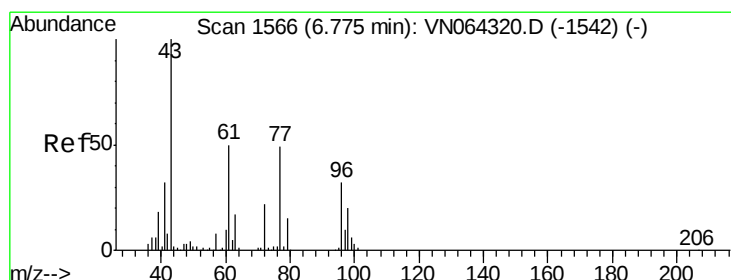
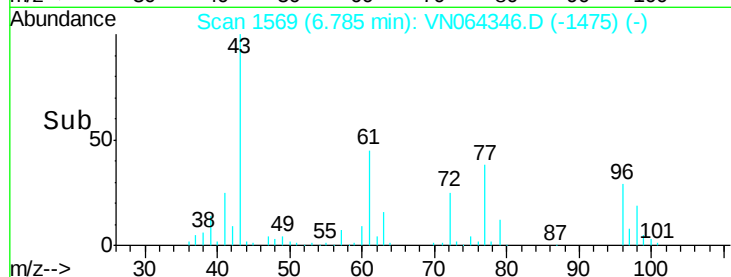
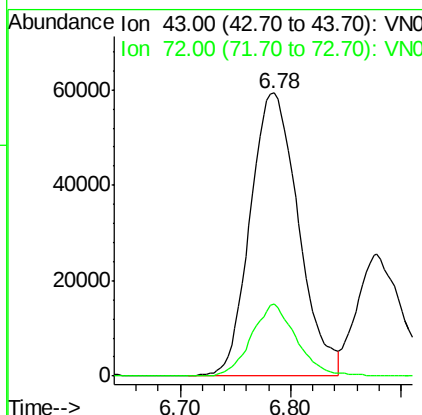
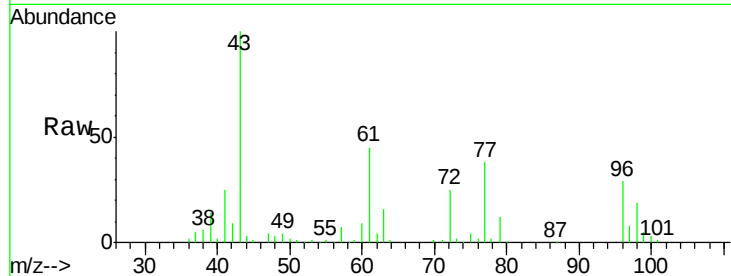
#25
2-Butanone
Concen: 99.970 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion: 43 Resp: 180146
Ion Ratio Lower Upper
43 100
72 25.5 18.8 28.2

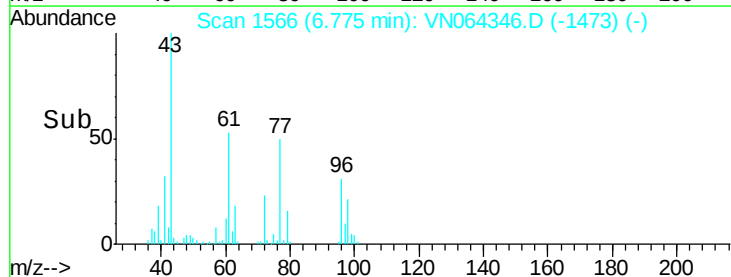
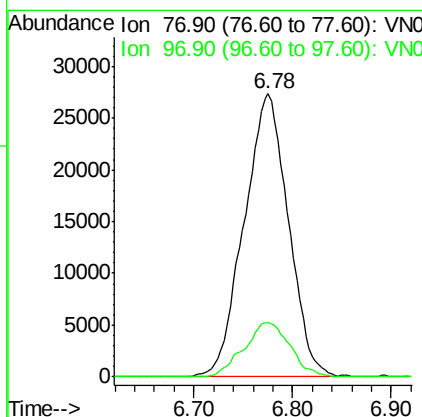
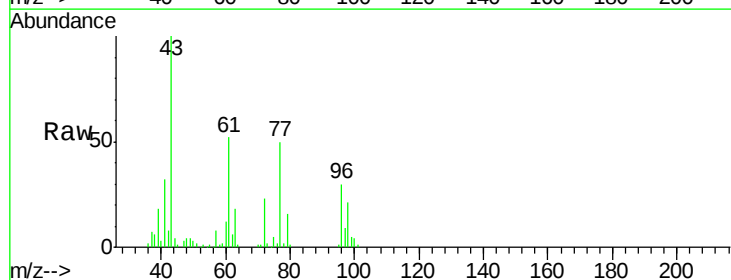
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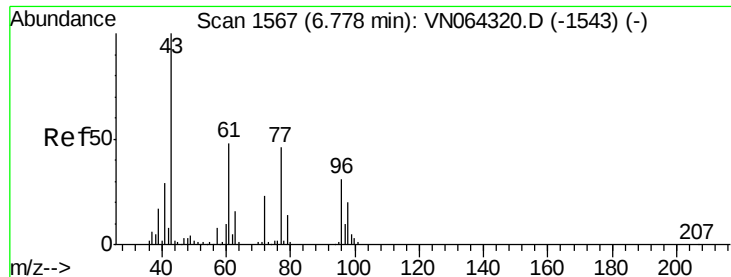
MMDadoda
10/29/2020 9:49:52 AM



#26
2,2-Dichloropropane
Concen: 18.187 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion: 77 Resp: 84816
Ion Ratio Lower Upper
77 100
97 20.0 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 20.199 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

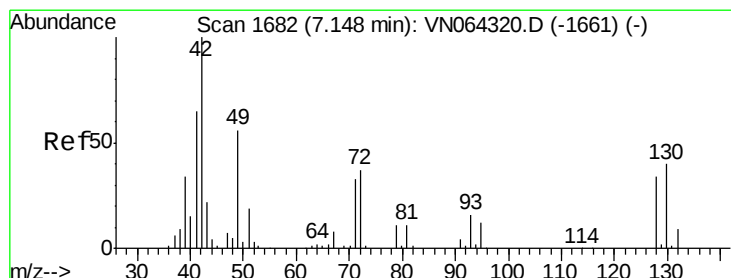
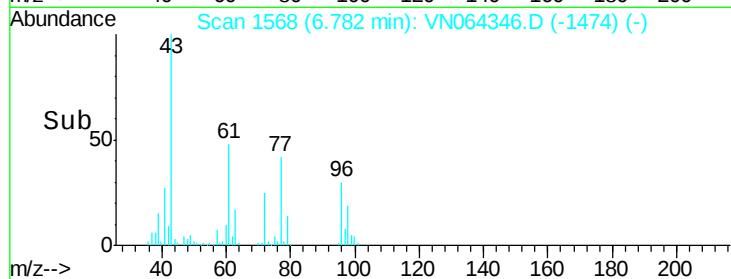
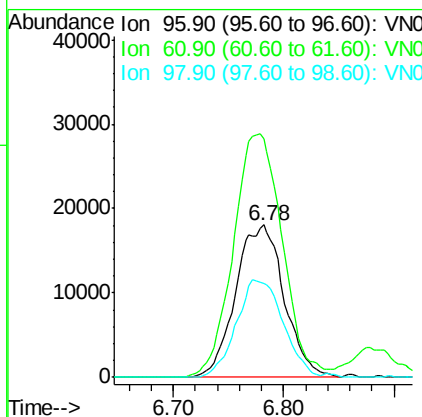
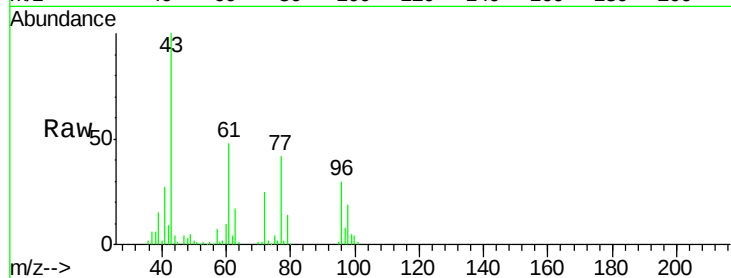
ClientSampleId :

VN1028WBSD01

Tot Ion:	96	Resp:	55023
Ion Ratio	Lower	Upper	
96	100		
61	160.9	0.0	325.0
98	61.6	0.0	128.4

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#28

Bromochloromethane

Concen: 20.317 ug/l

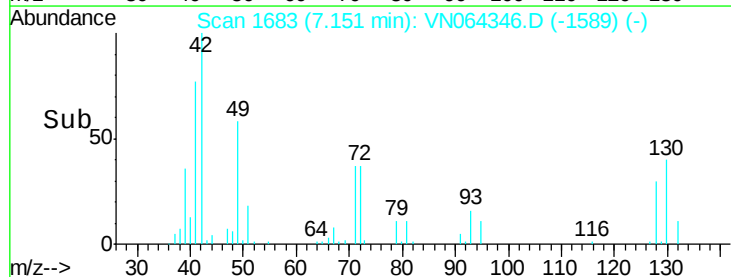
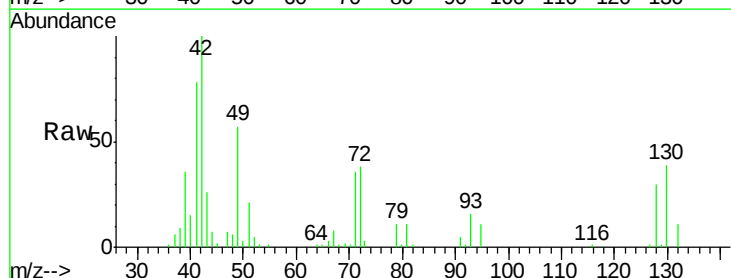
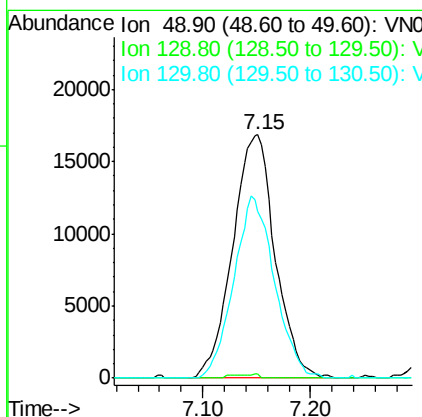
RT: 7.15 min Scan# 1683

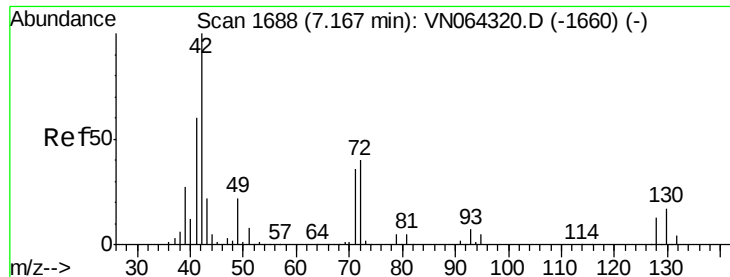
Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Tgt Ion:	49	Resp:	46126
Ion Ratio	Lower	Upper	
49	100		
129	0.5	0.0	2.8
130	71.7	56.2	84.2





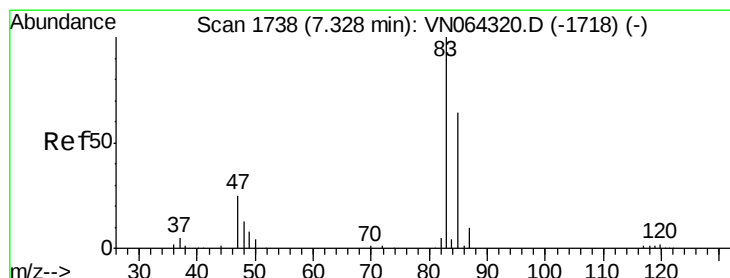
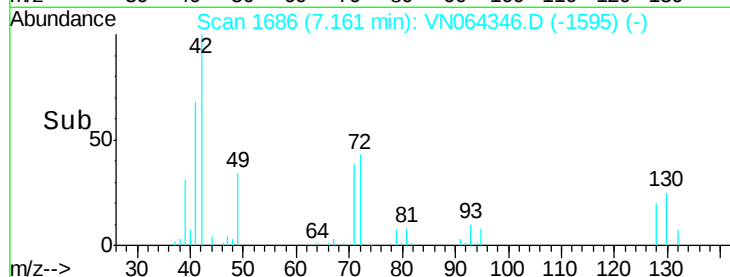
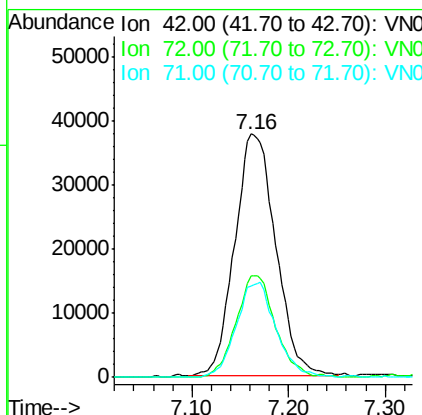
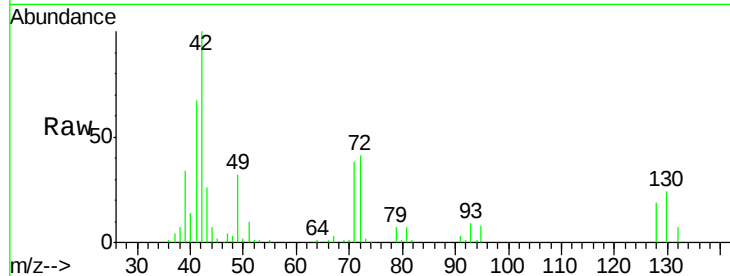
#29
Tetrahydrofuran
Concen: 94.738 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	31.6	47.4
71	38.1	29.4	44.0

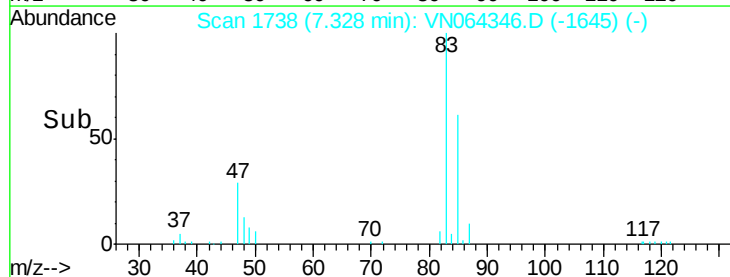
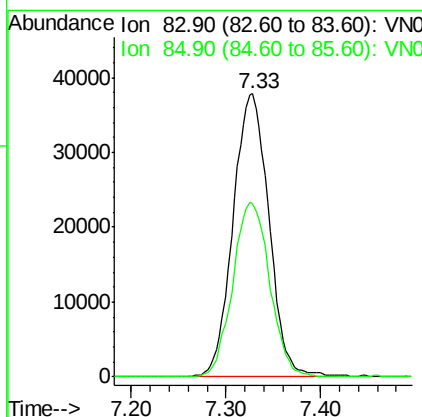
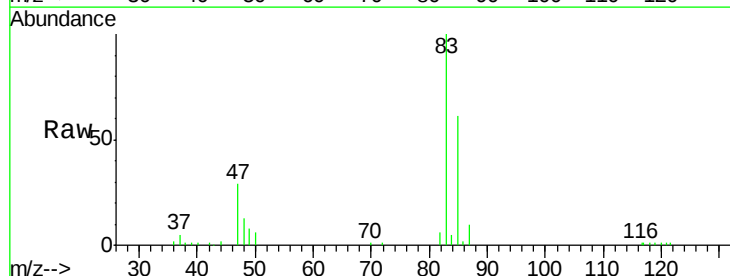
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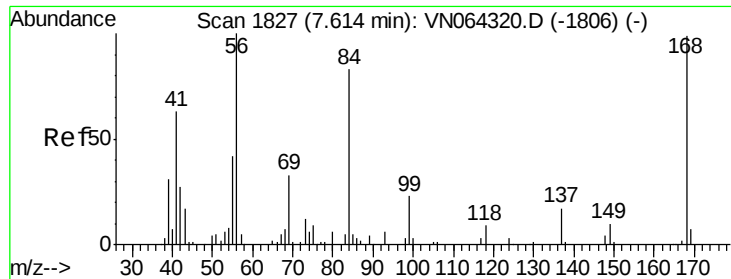
MMDadoda
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#30
Chloroform
Concen: 19.613 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.1	76.7





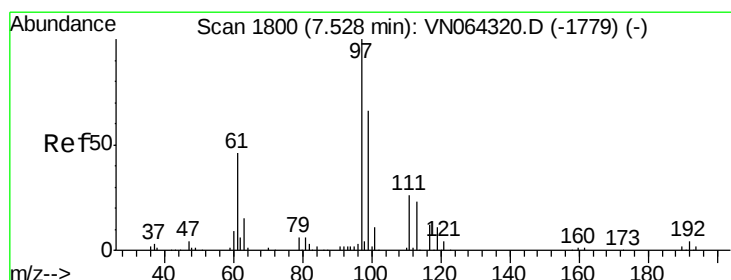
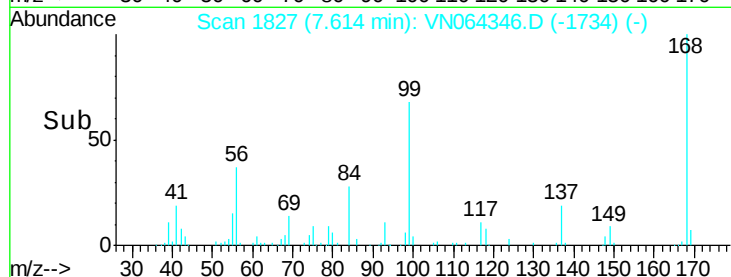
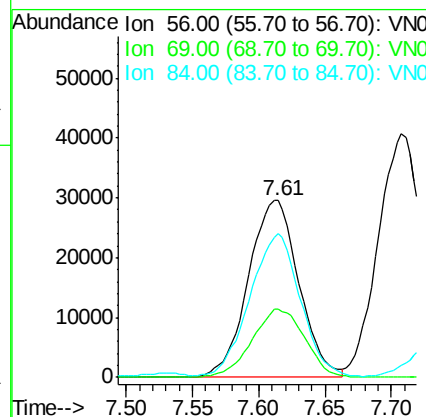
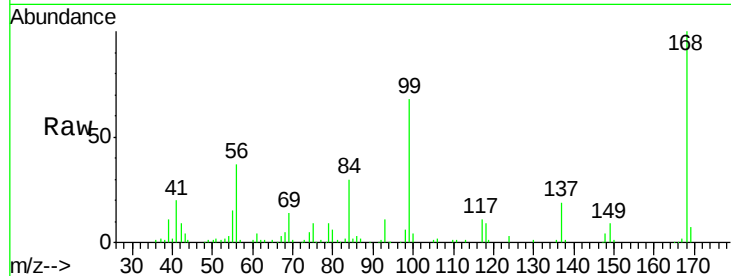
#31
Cyclohexane
Concen: 18.851 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.6	25.8	38.8
84	80.6	66.3	99.5

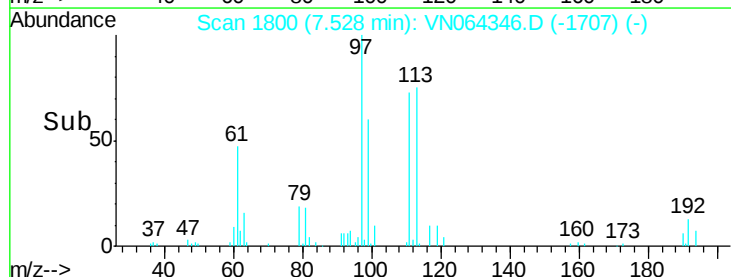
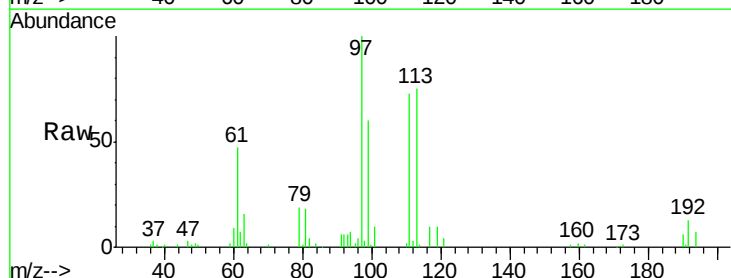
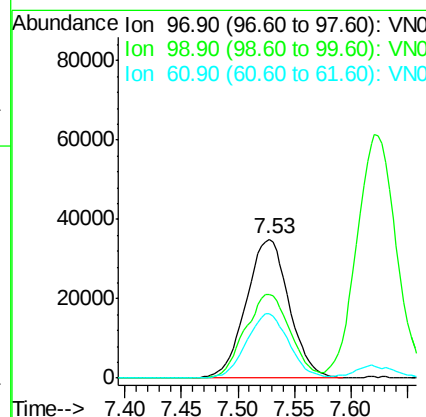
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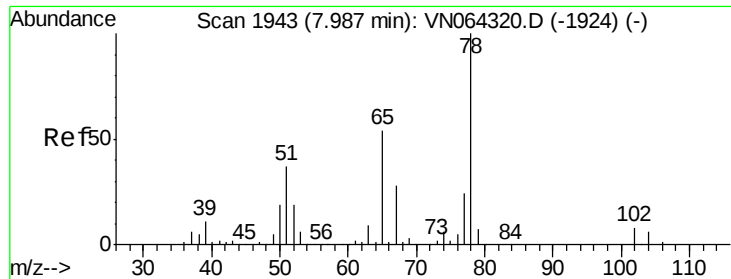
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#32
1,1,1-Trichloroethane
Concen: 18.935 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.6	76.0
61	45.5	35.8	53.6





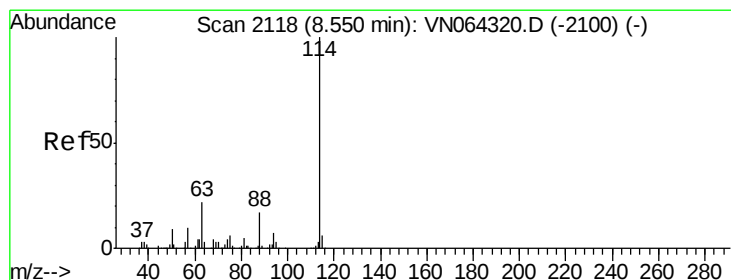
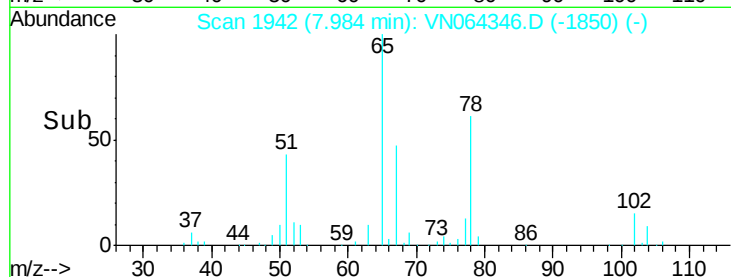
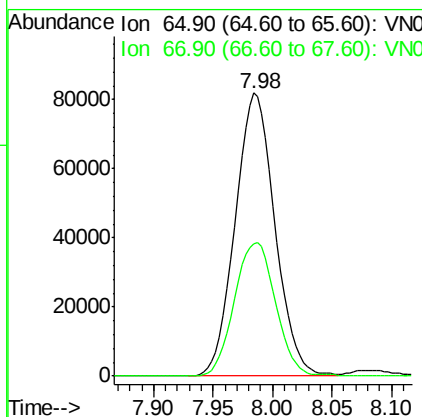
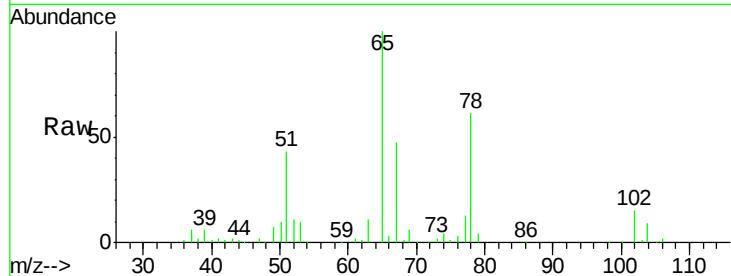
#33
 1,2-Dichloroethane-d4
 Concen: 52.830 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.0	0.0	99.2	

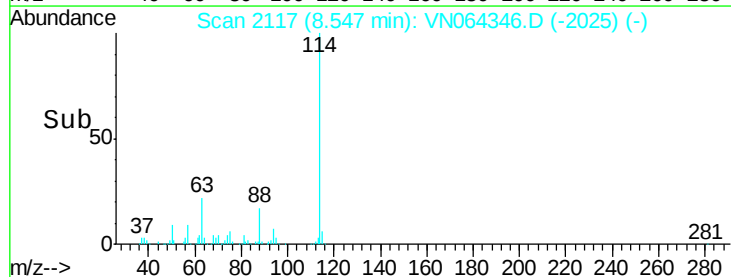
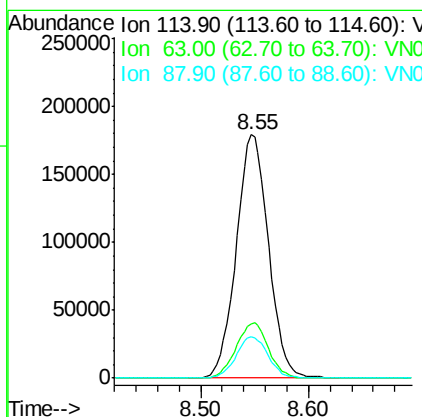
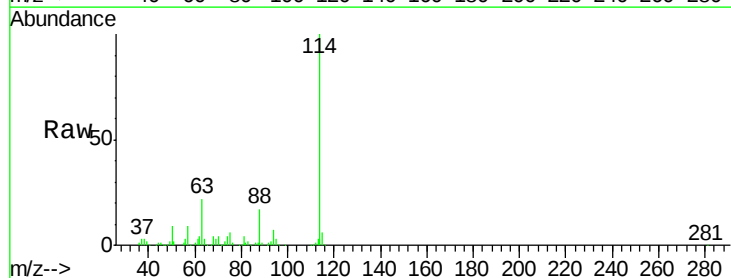
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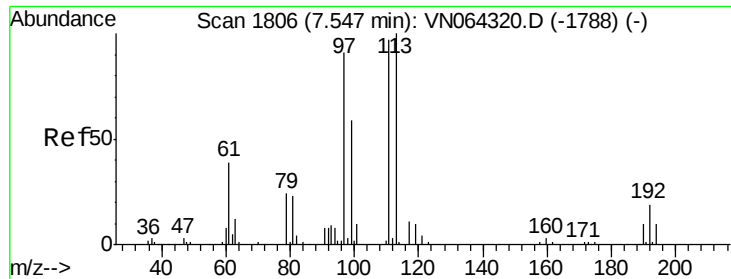
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.4	0.0	44.6	
88	16.9	0.0	33.4	





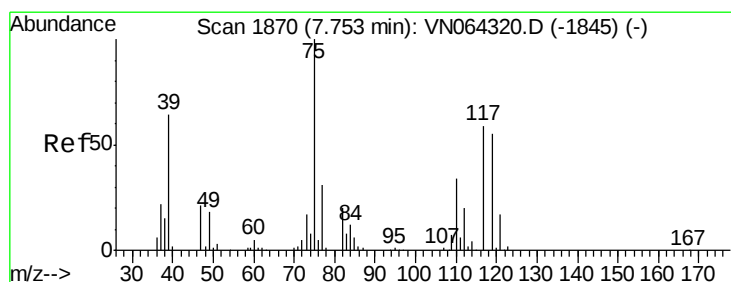
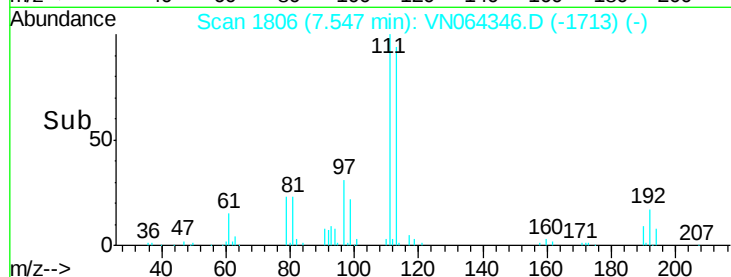
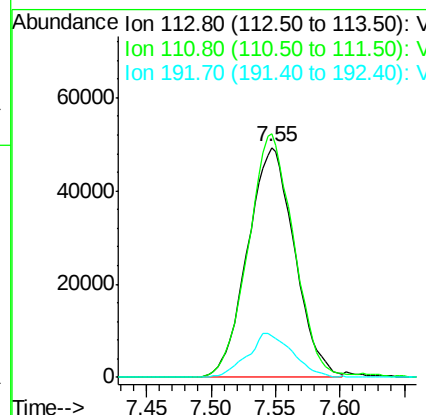
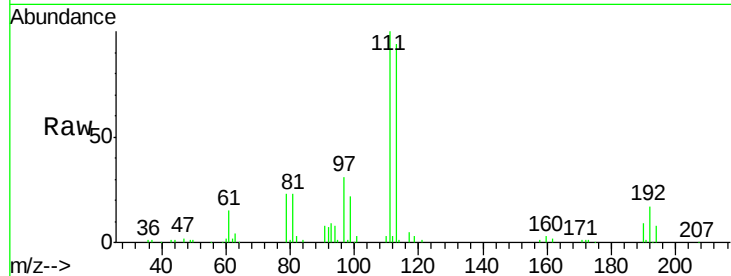
#35
 Dibromofluoromethane
 Concen: 50.368 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	81.5	122.3	
192	18.2	15.0	22.4	

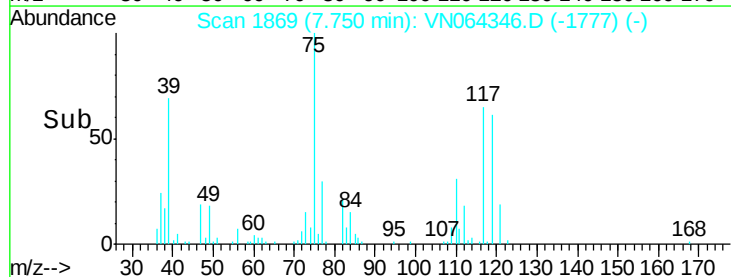
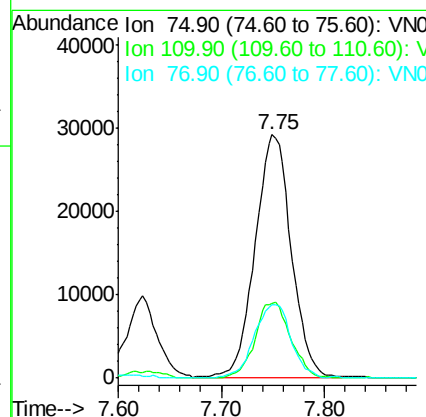
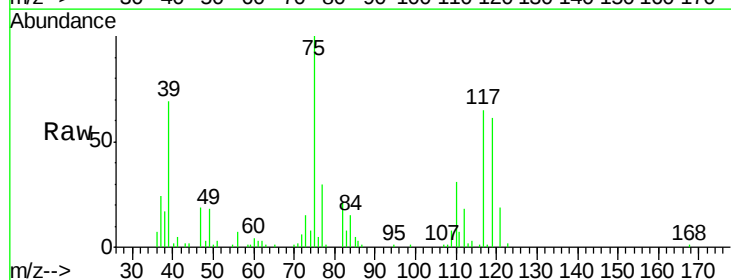
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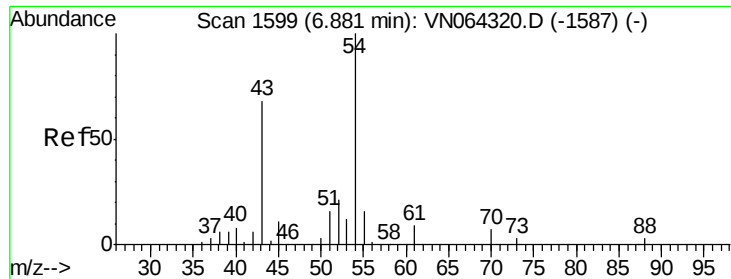
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#36
 1,1-Dichloropropene
 Concen: 18.953 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	30.5	16.8	50.3	
77	30.7	24.2	36.4	





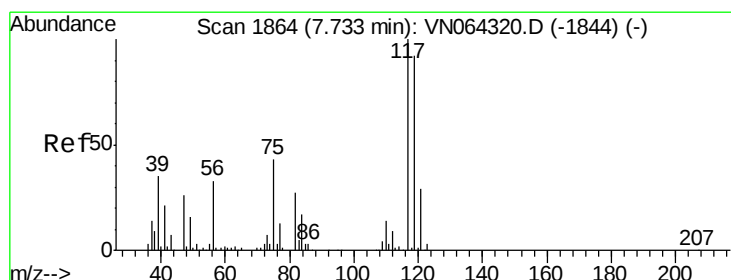
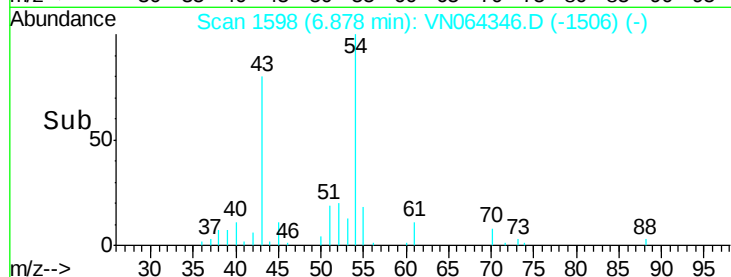
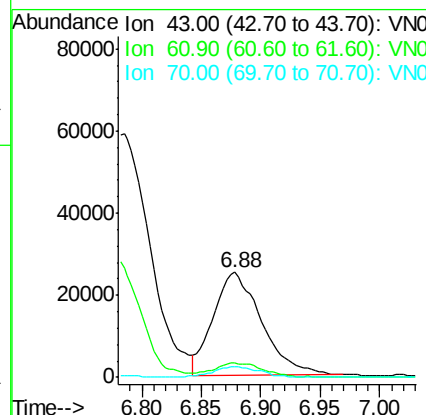
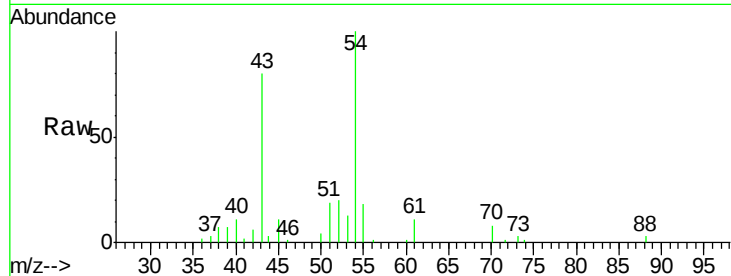
#37
Ethyl Acetate
Concen: 18.684 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.0	15.0
70	9.9	7.1	10.7

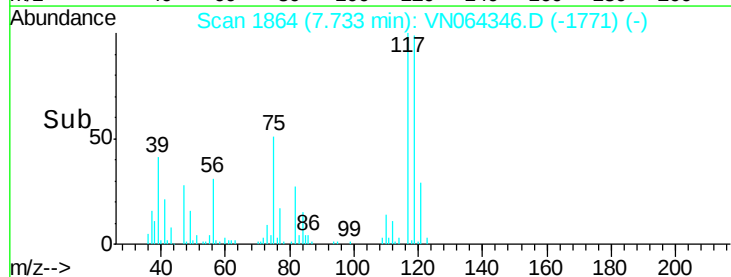
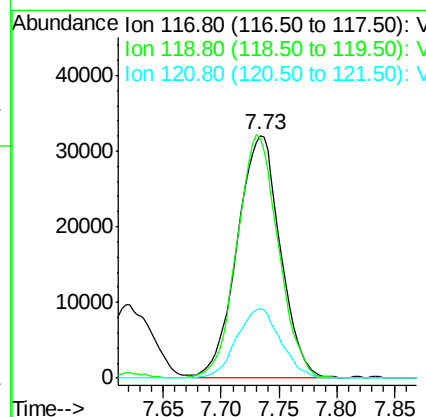
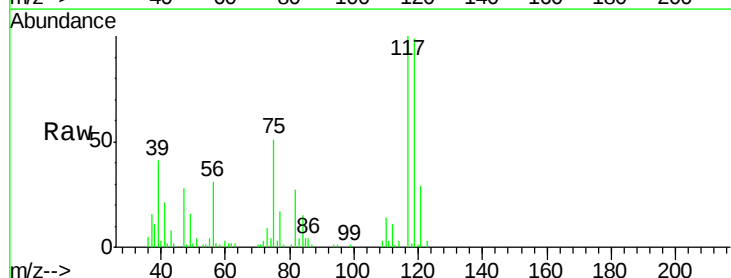
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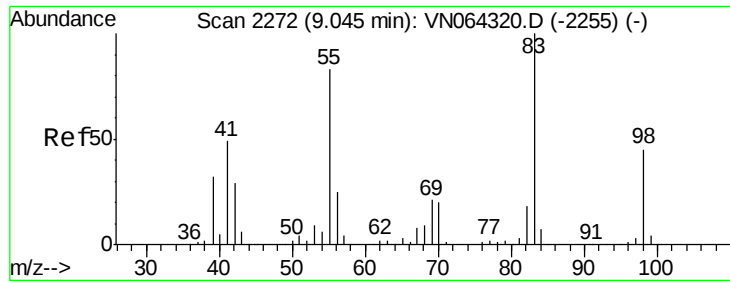
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#38
Carbon Tetrachloride
Concen: 19.063 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	73.7	110.5
121	28.6	22.8	34.2





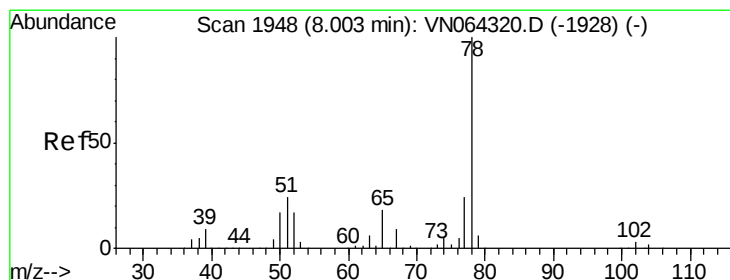
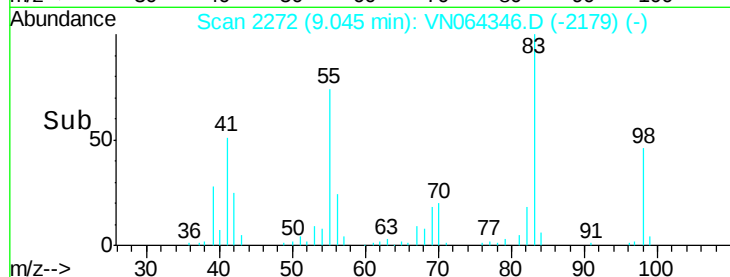
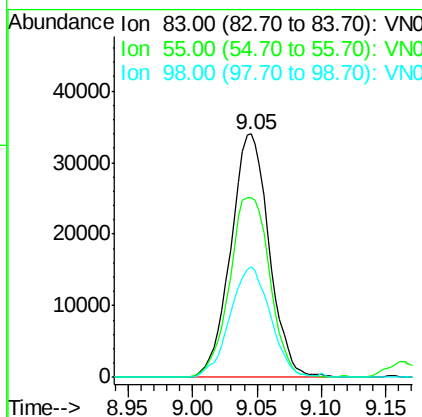
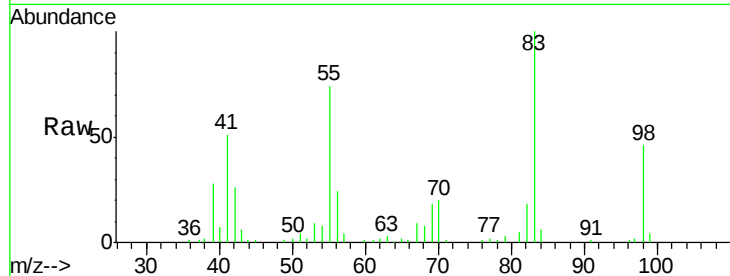
#39
Methvlcvclohexane
Concen: 18.854 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	66.2	99.4
98	45.6	36.0	54.0

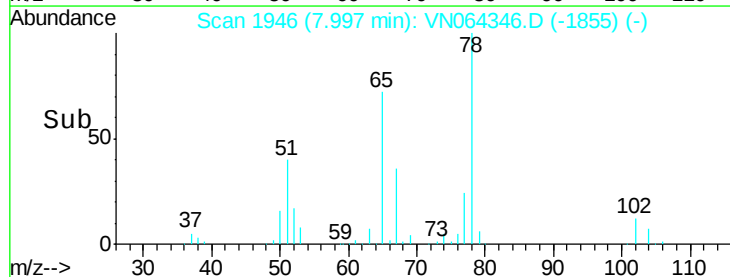
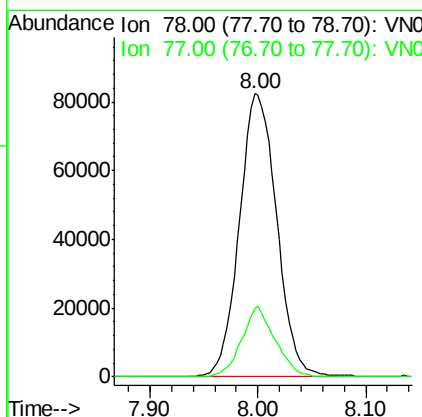
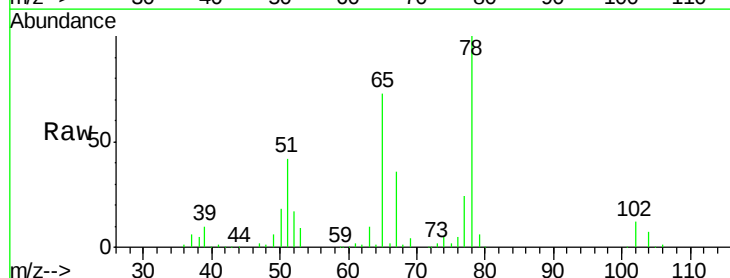
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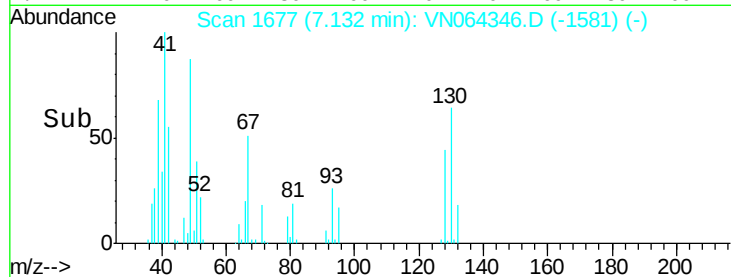
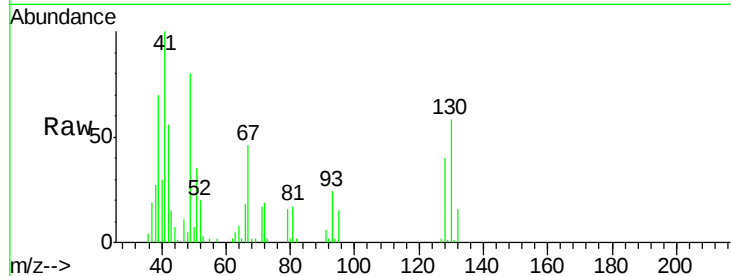
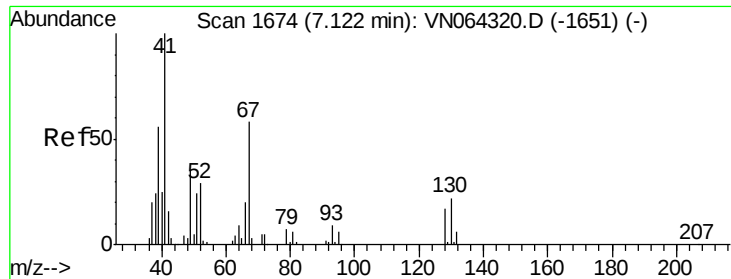
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#40
Benzene
Concen: 18.937 ug/l
RT: 8.00 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2





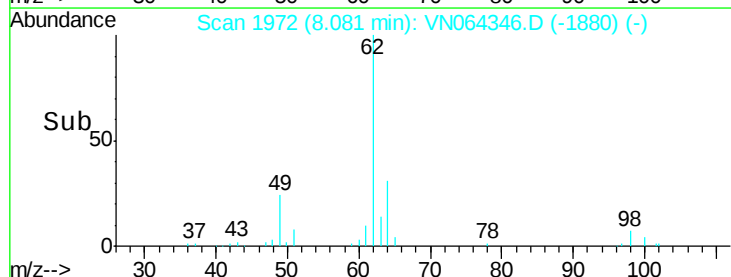
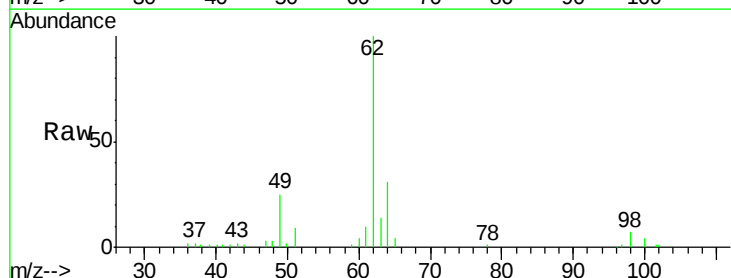
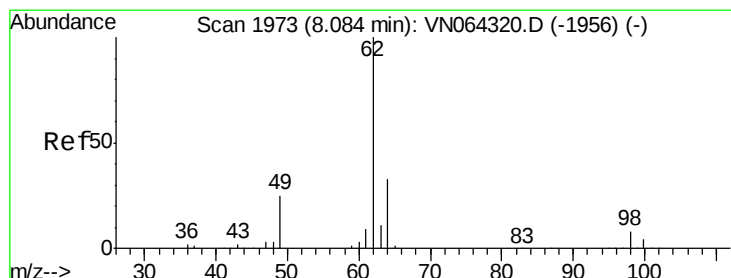
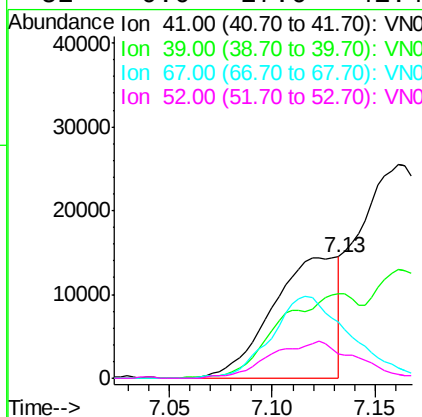
#41
Methacrylonitrile
Concen: 17.138 ug/l m
RT: 7.13 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tot Ion	Ratio	Lower	Upper
41	100		
39	98.1	48.6	72.8#
67	0.0	61.4	92.2#
52	0.0	27.6	41.4#

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

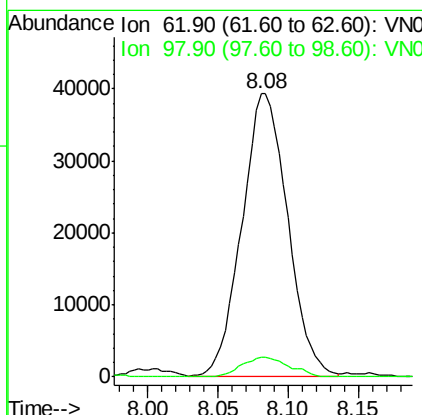
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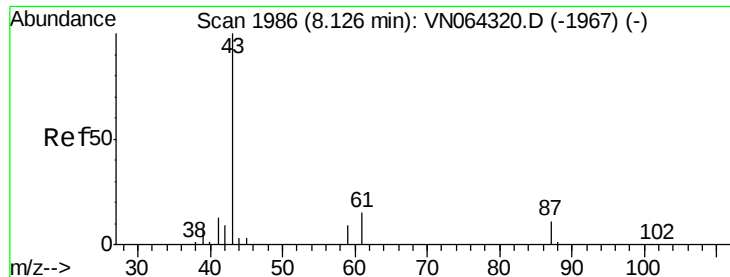
MMDadoda
10/29/2020 9:49:52 AM



#42
1,2-Dichloroethane
Concen: 19.827 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	14.2





#43

Isopropyl Acetate

Concen: 20.379 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

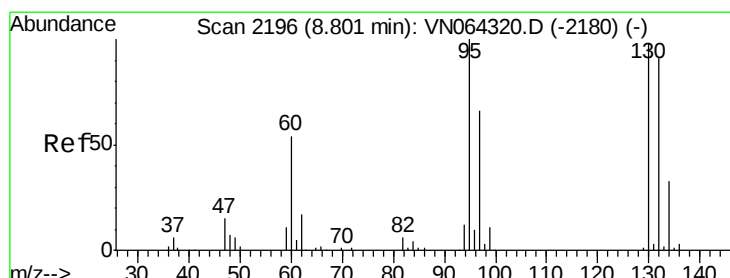
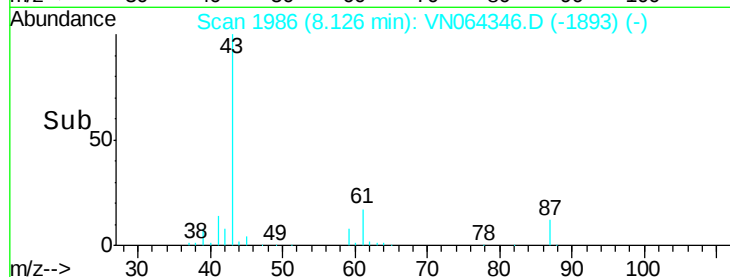
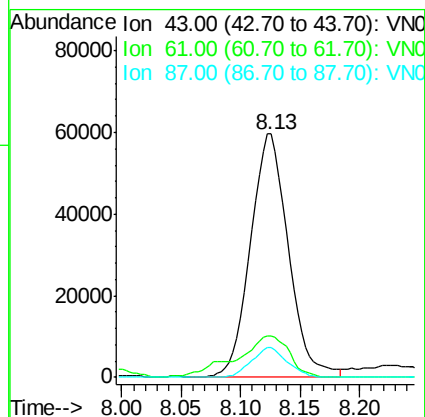
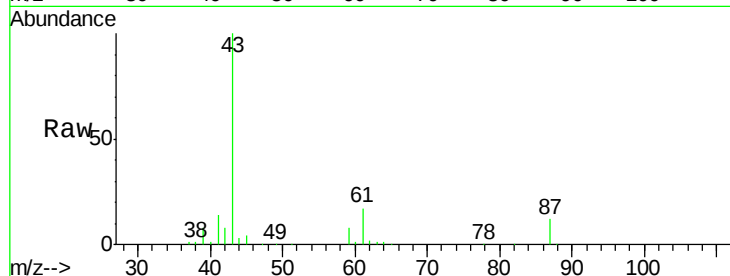
ClientSampleId :

VN1028WBSD01

Tot Ion:	43	Resp:	132303
Ion	Ratio	Lower	Upper
43	100		
61	17.7	19.1	28.7#
87	11.4	9.3	13.9

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#44

Trichloroethene

Concen: 19.582 ug/l

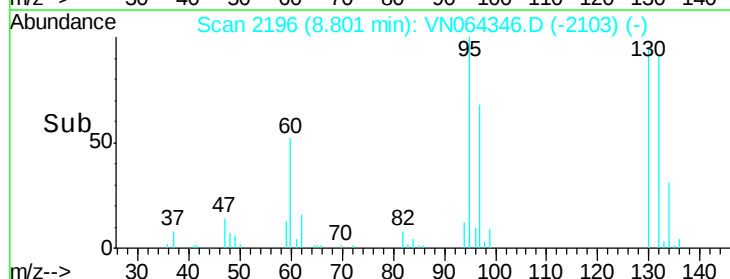
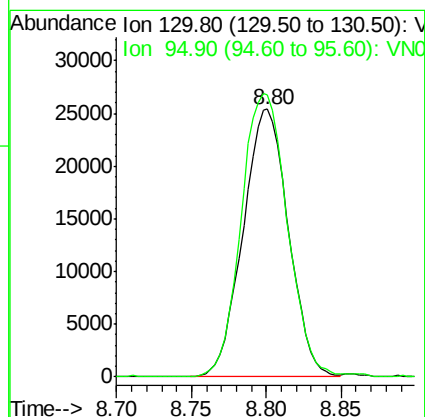
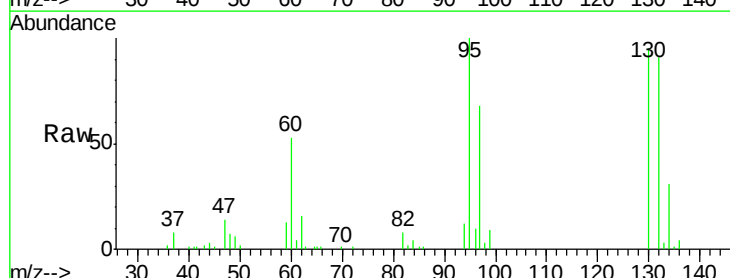
RT: 8.80 min Scan# 2196

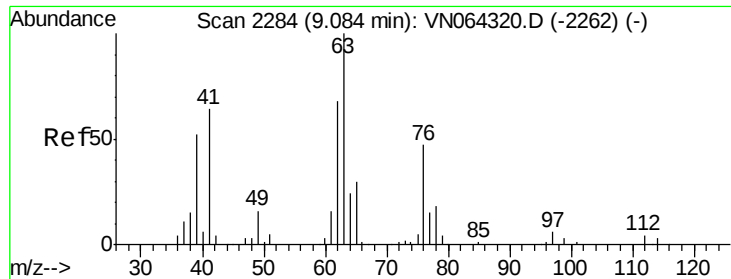
Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Tgt Ion:	130	Resp:	53686
Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	203.6





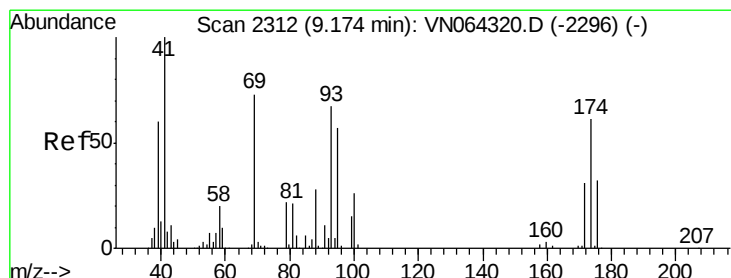
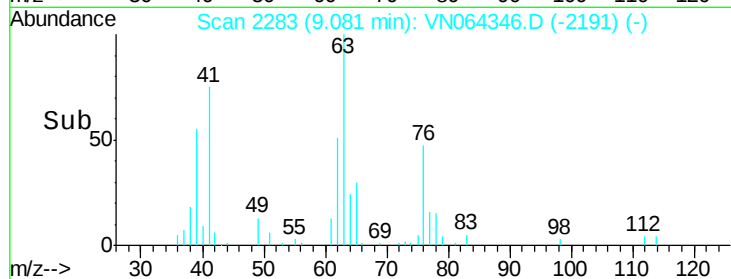
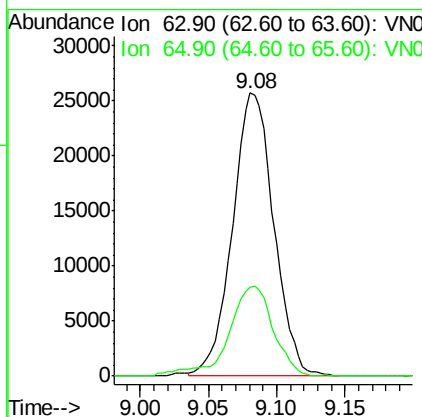
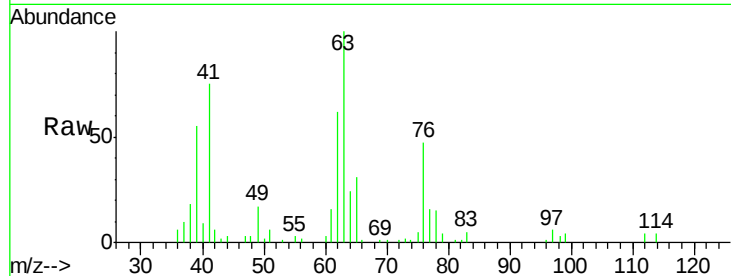
#45
 1,2-Dichloropropane
 Concen: 19.296 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion: 63 Resp: 54078
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.3 36.5

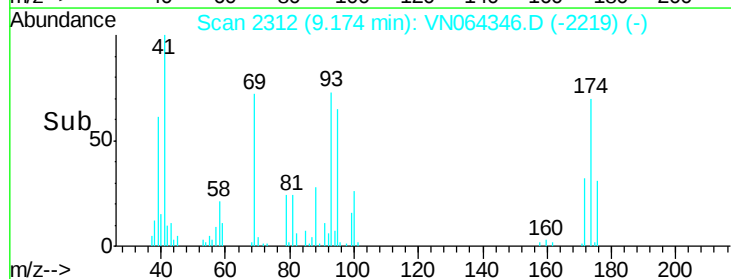
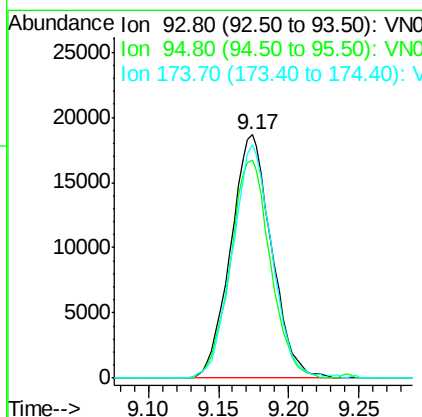
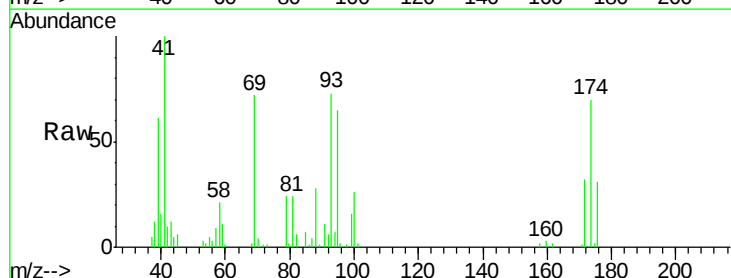
Manual Integrations
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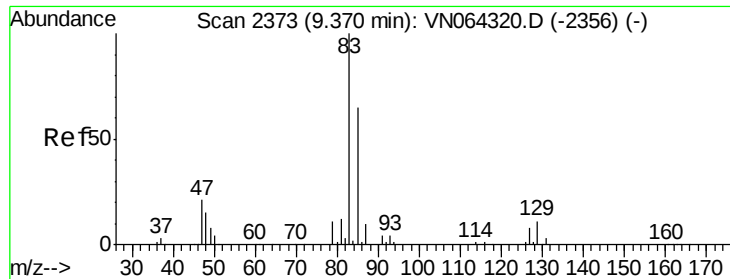
MMDadoda
 10/29/2020 9:49:52 AM



#46
 Dibromomethane
 Concen: 19.284 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion: 93 Resp: 37808
 Ion Ratio Lower Upper
 93 100
 95 87.6 64.4 96.6
 174 92.5 71.4 107.0





#47

Bromodichloromethane

Concen: 18.603 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

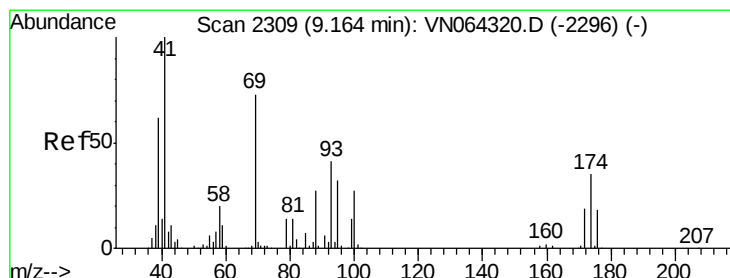
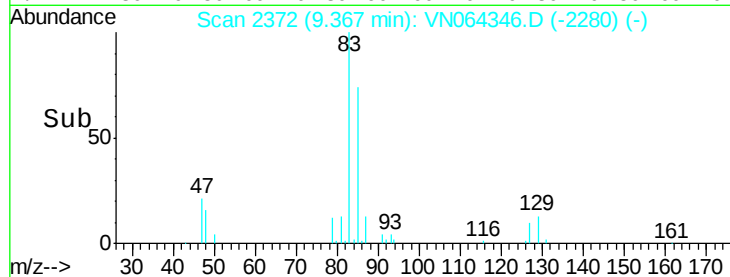
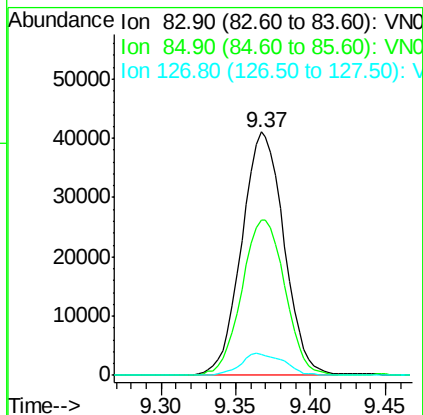
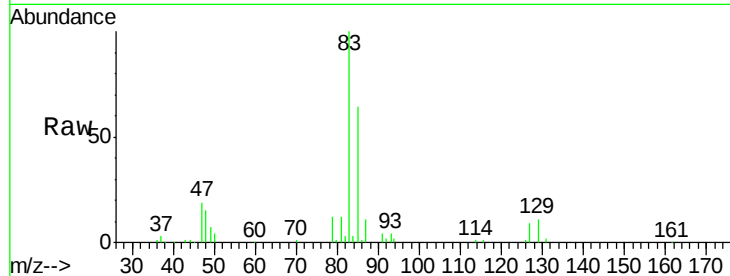
ClientSampleId :

VN1028WBSD01

Tot Ion:	83	Resp:	80832
Ion Ratio	Lower	Upper	
83	100		
85	63.7	52.1	78.1
127	8.8	6.7	10.1

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#48

Methyl methacrylate

Concen: 19.499 ug/l

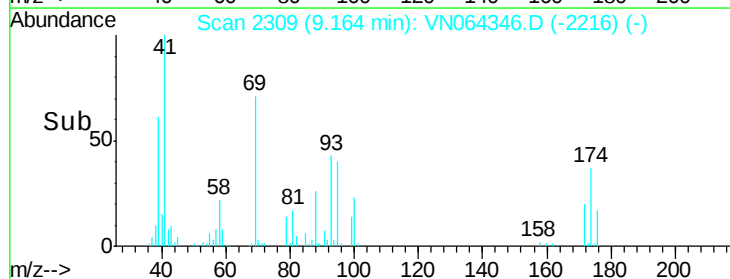
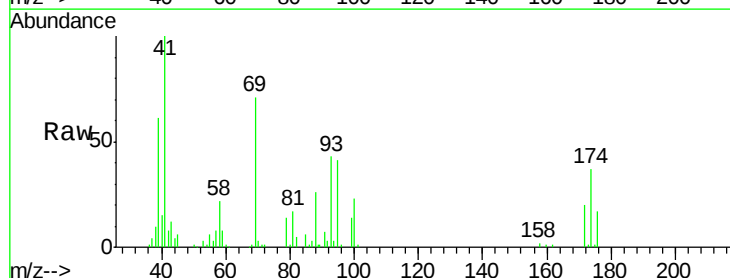
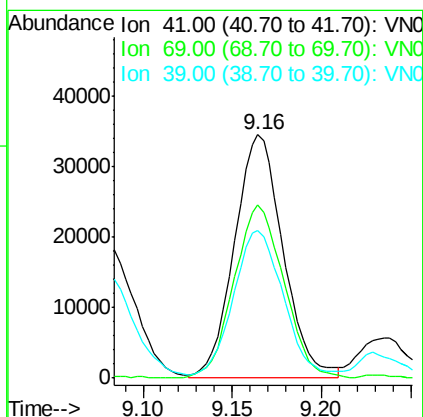
RT: 9.16 min Scan# 2309

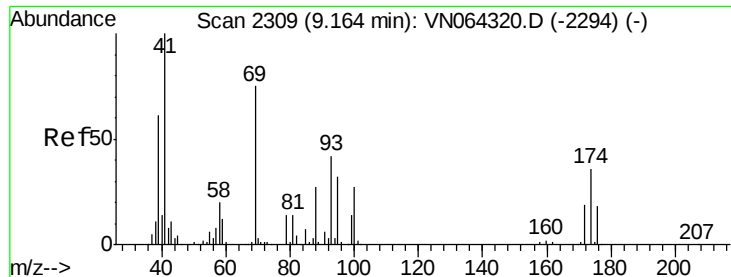
Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Tgt Ion:	41	Resp:	65311
Ion Ratio	Lower	Upper	
41	100		
69	73.5	59.1	88.7
39	62.3	51.3	76.9





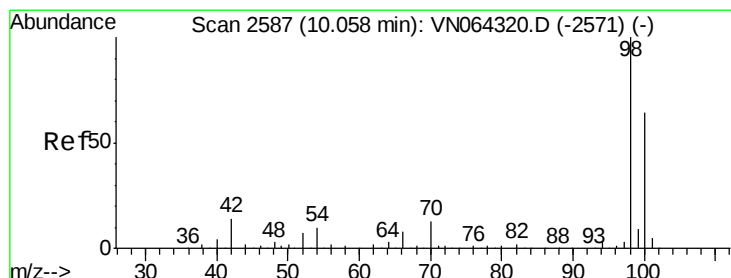
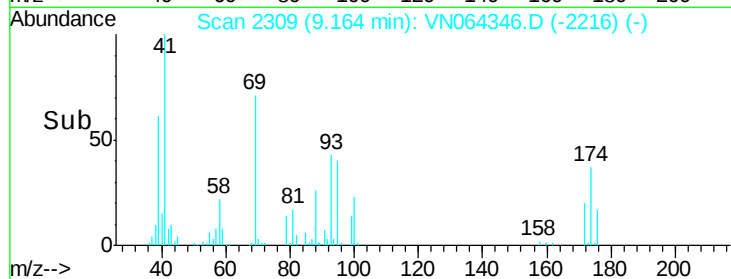
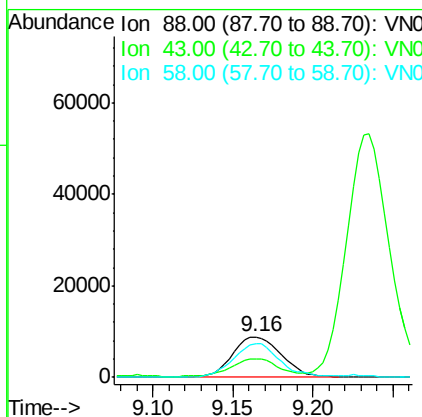
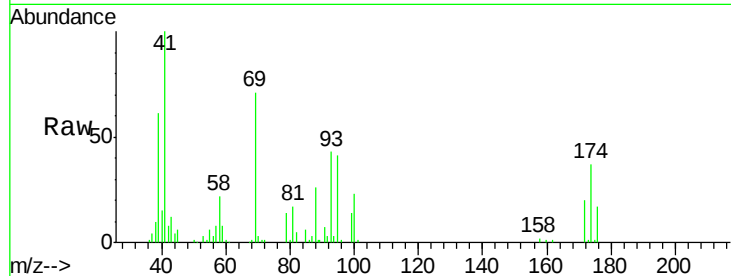
#49
1,4-Dioxane
Concen: 377.234 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.3	31.8	47.8
58	79.0	60.3	90.5

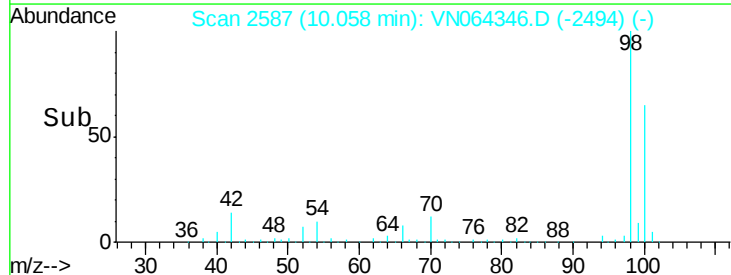
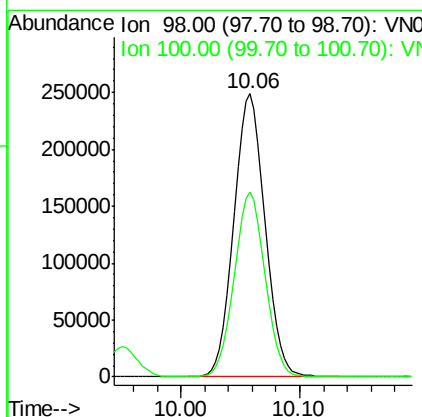
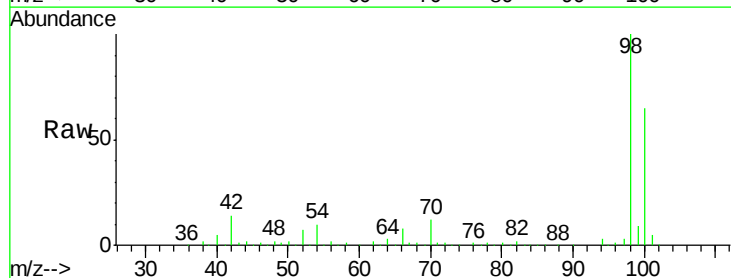
Manual Integrations
APPROVED

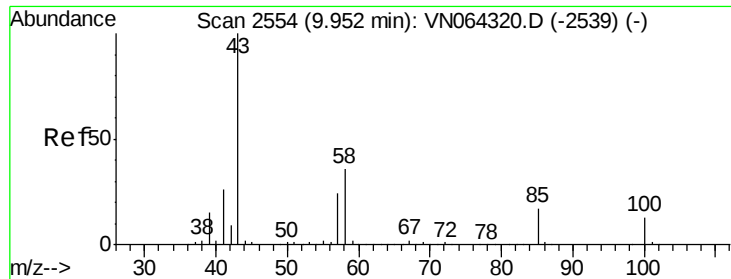
MMDadoda
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#50
Toluene-d8
Concen: 49.107 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 98.725 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion: 43 Resp: 372564

Ion Ratio Lower Upper

43 100

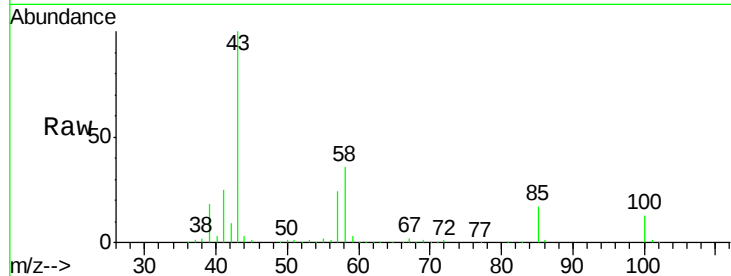
58 35.3 28.6 42.8

Manual Integrations

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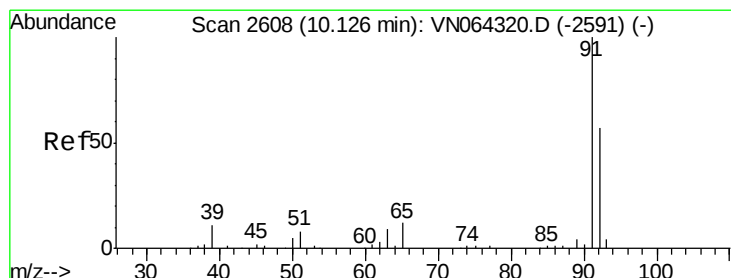
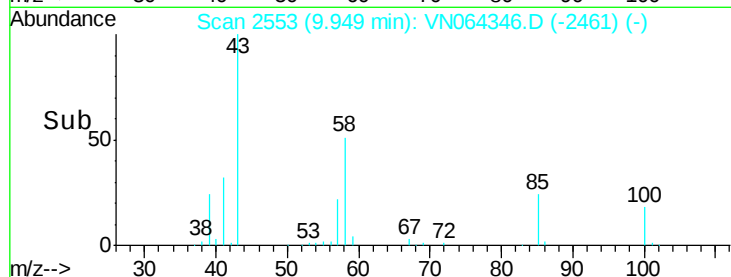
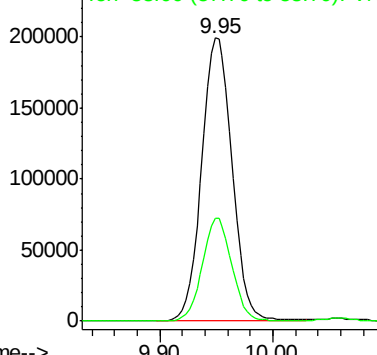
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.840 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064346.D

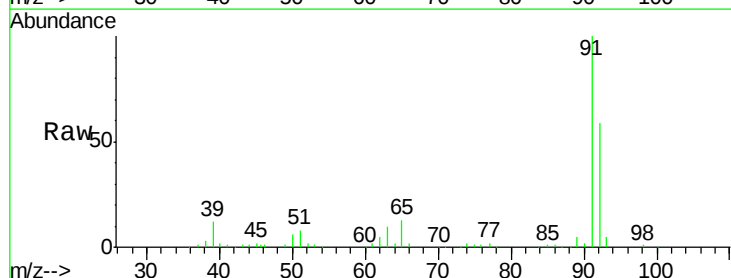
Acq: 28 Oct 2020 12:47

Tgt Ion: 92 Resp: 124418

Ion Ratio Lower Upper

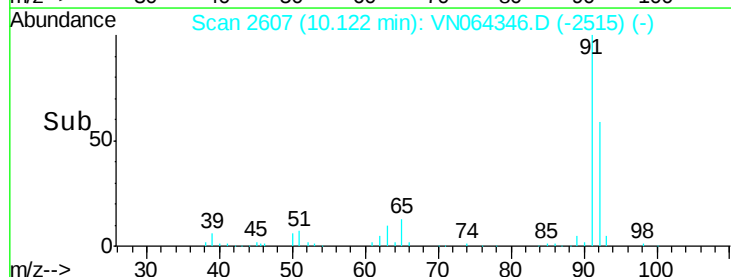
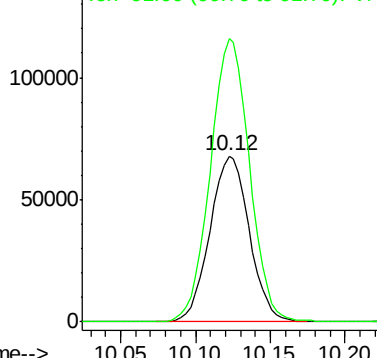
92 100

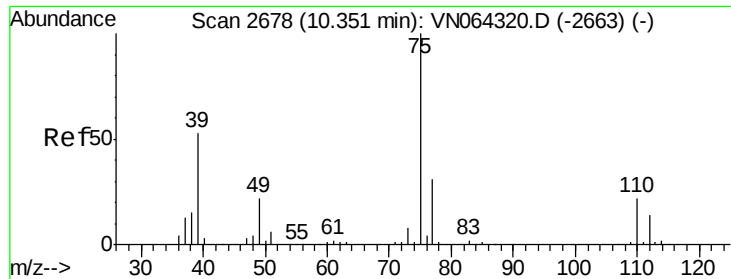
91 170.0 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





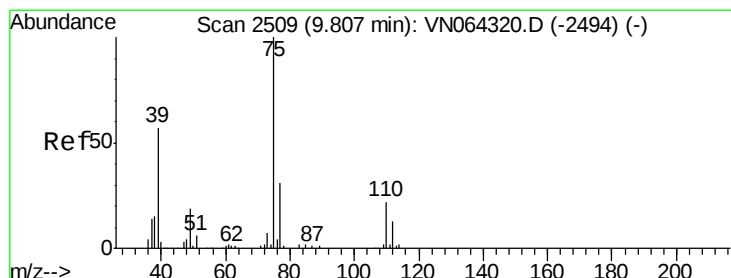
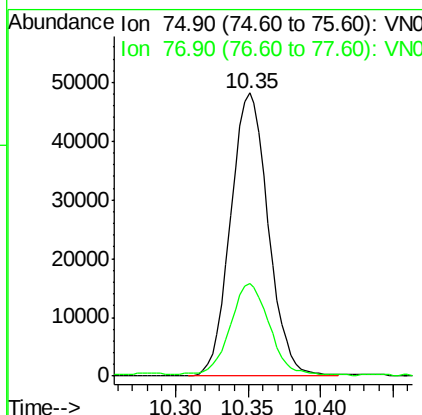
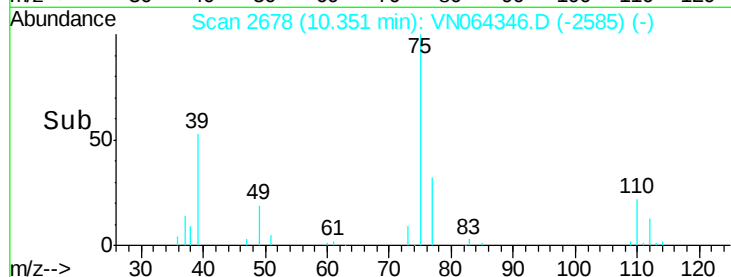
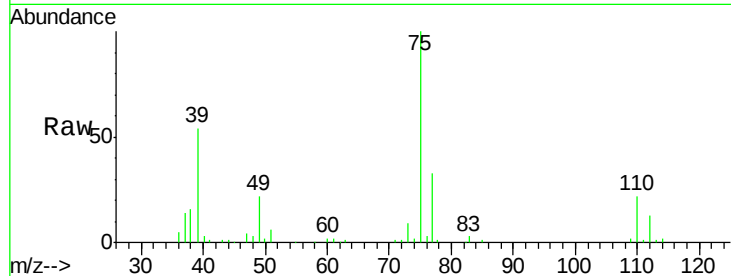
#53
t-1,3-Dichloropropene
Concen: 18.954 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion: 75 Resp: 87080
Ion Ratio Lower Upper
75 100
77 32.3 24.8 37.2

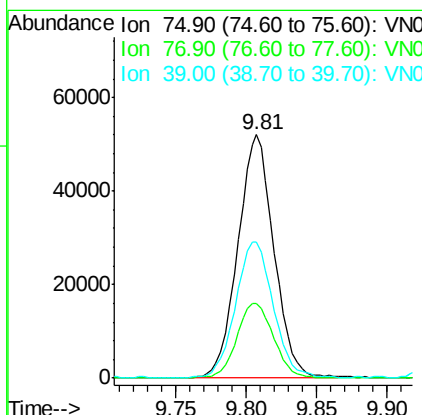
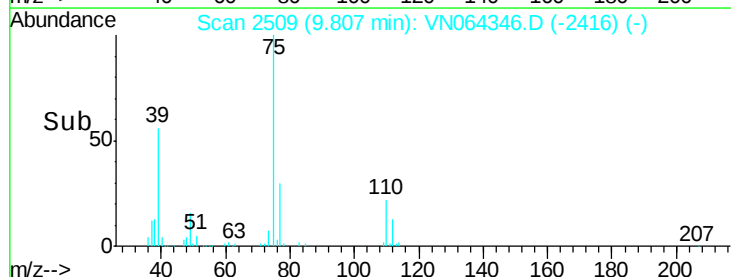
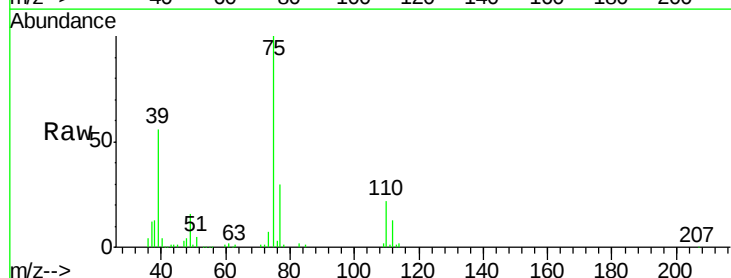
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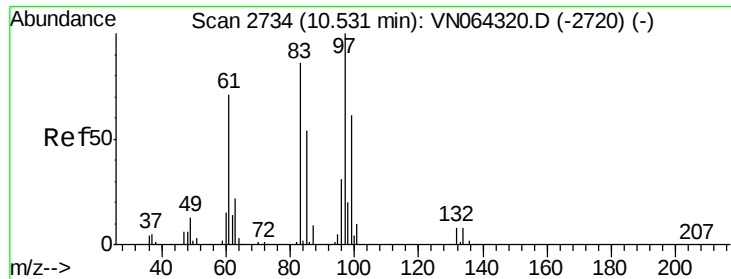
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#54
cis-1,3-Dichloropropene
Concen: 19.696 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion: 75 Resp: 93150
Ion Ratio Lower Upper
75 100
77 30.5 25.0 37.4
39 55.7 45.5 68.3





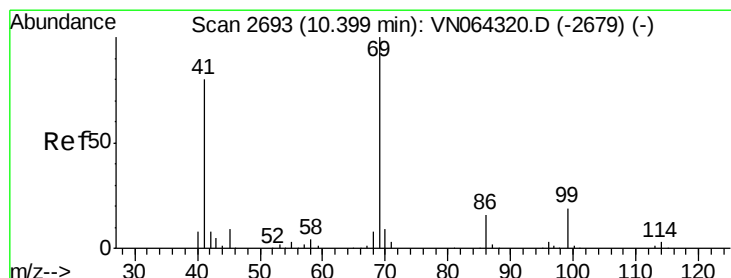
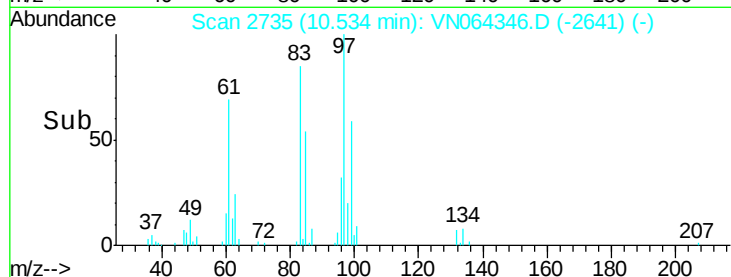
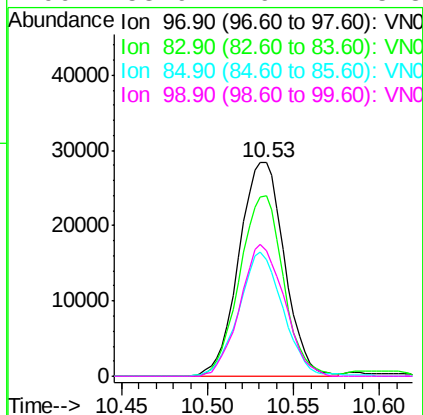
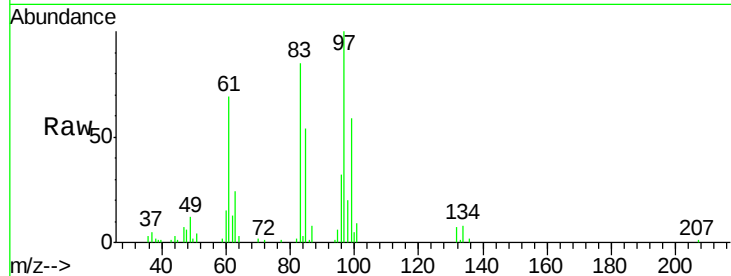
#55
 1,1,2-Trichloroethane
 Concen: 19.966 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion:	97	Resp:	52049
Ion	Ratio	Lower	Upper
97	100		
83	84.6	68.9	103.3
85	54.4	43.6	65.4
99	58.9	49.2	73.8

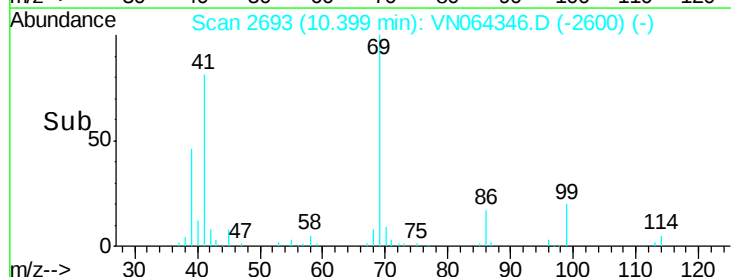
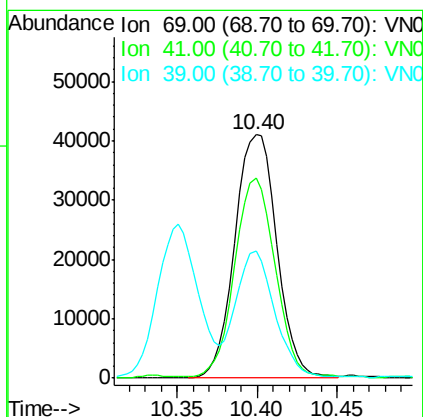
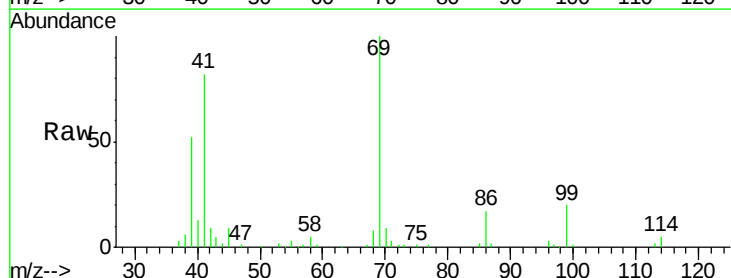
Manual Integrations
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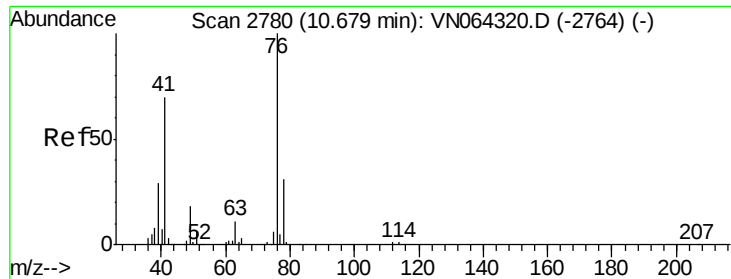
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 10/29/2020 9:49:52 AM



#56
 Ethyl methacrylate
 Concen: 18.680 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion:	69	Resp:	73716
Ion	Ratio	Lower	Upper
69	100		
41	78.0	61.4	92.2
39	47.7	36.5	54.7





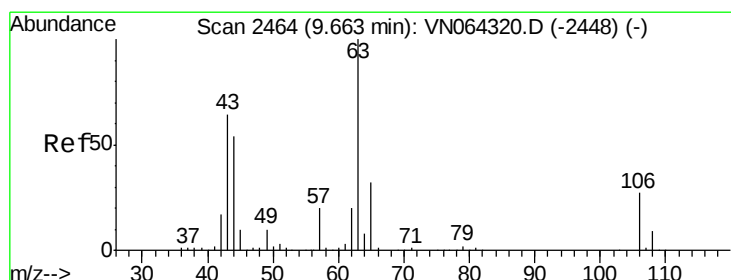
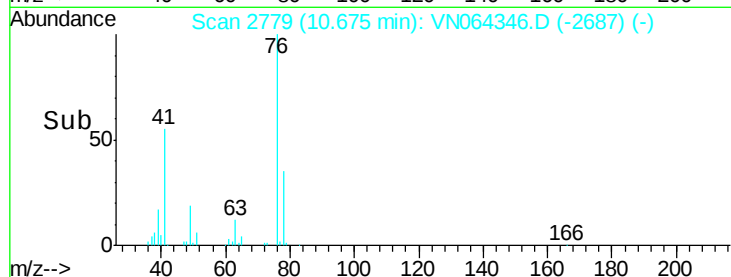
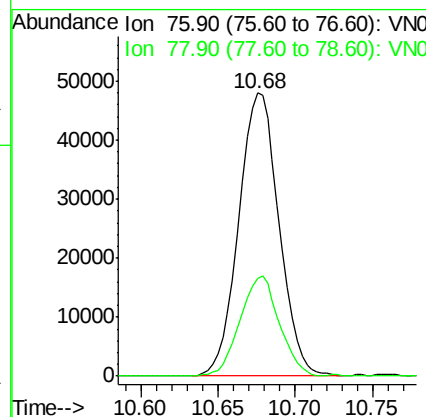
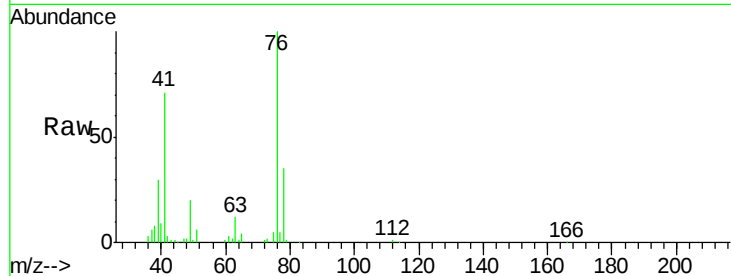
#57
 1,3-Dichloropropane
 Concen: 19.481 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion: 76 Resp: 86631
 Ion Ratio Lower Upper
 76 100
 78 34.6 25.8 38.6

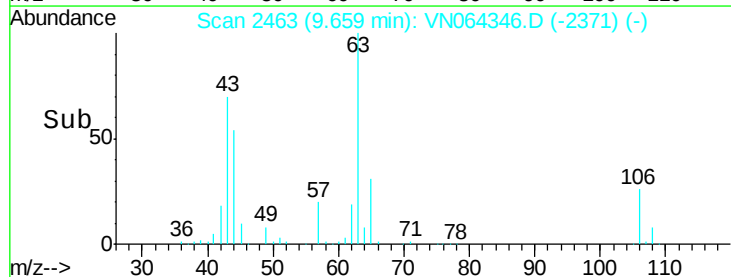
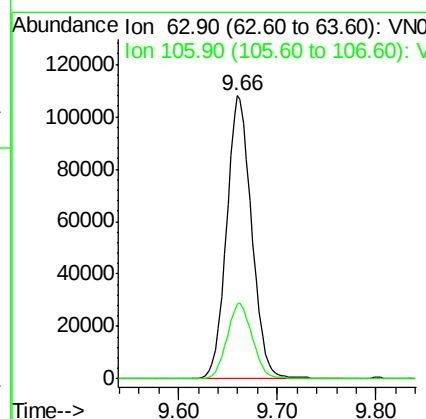
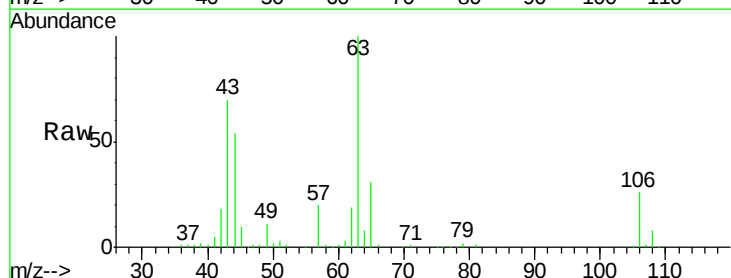
Manual Integrations
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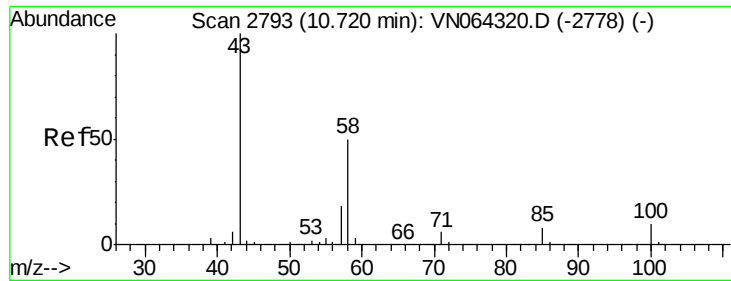
MMDadoda
 10/29/2020 9:49:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.466 ug/l
 RT: 9.66 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion: 63 Resp: 192654
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.0 31.4





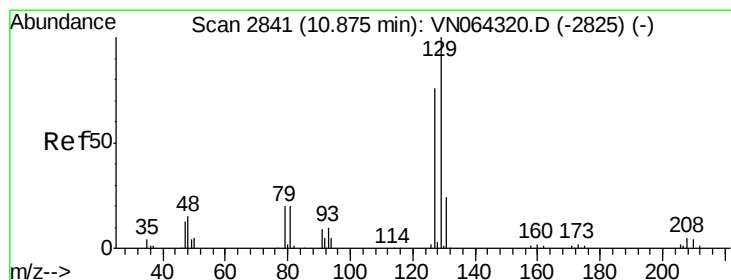
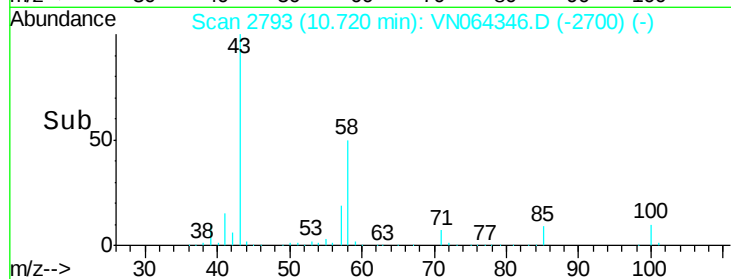
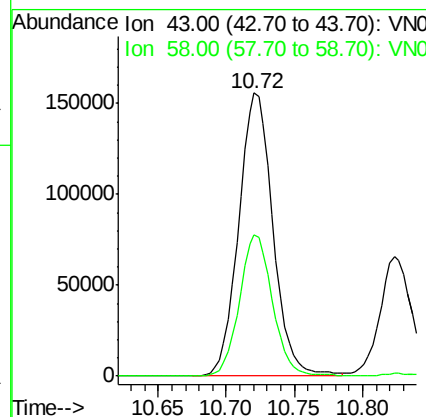
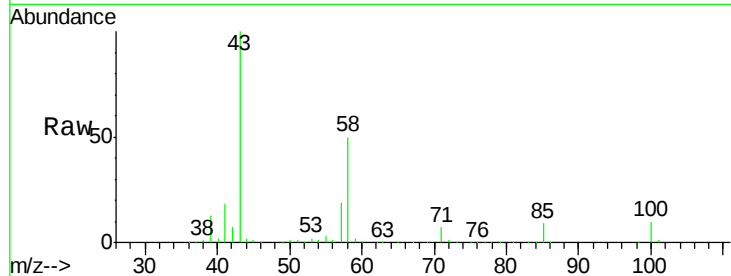
#59
2-Hexanone
Concen: 96.811 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion: 43 Resp: 269075
Ion Ratio Lower Upper
43 100
58 48.6 25.0 75.0

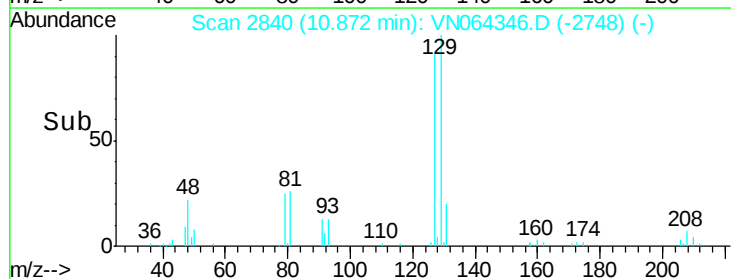
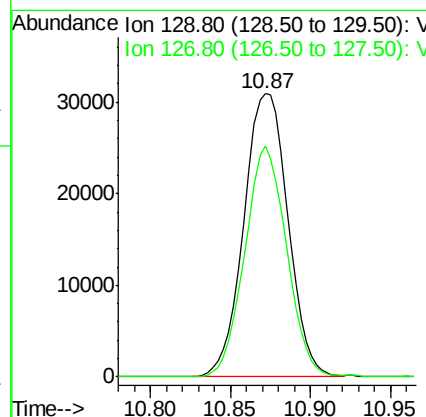
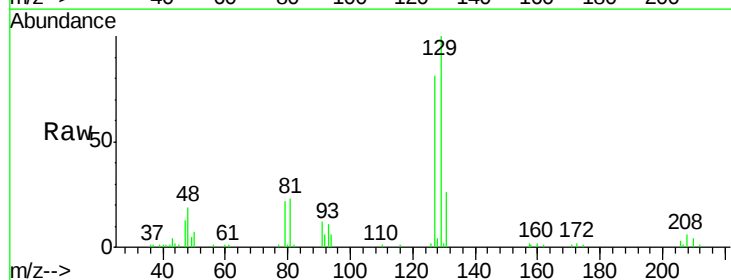
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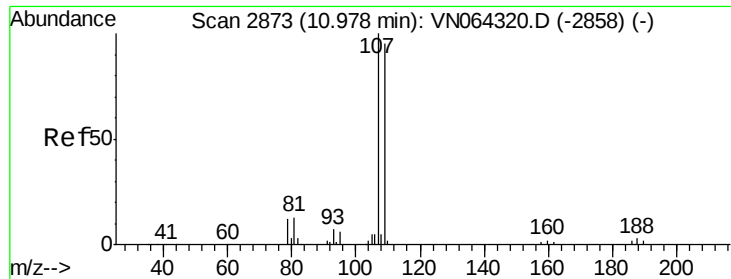
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#60
Dibromochloromethane
Concen: 18.930 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion: 129 Resp: 58346
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.3





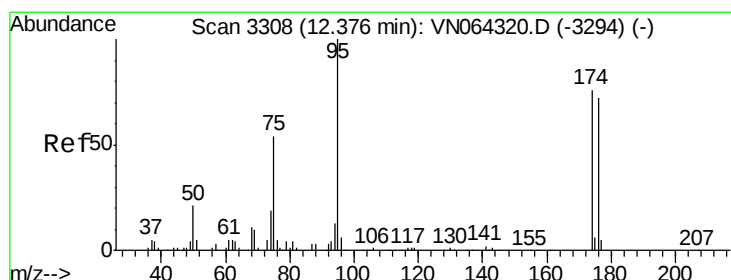
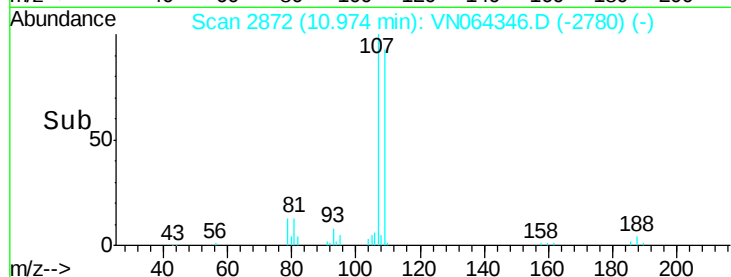
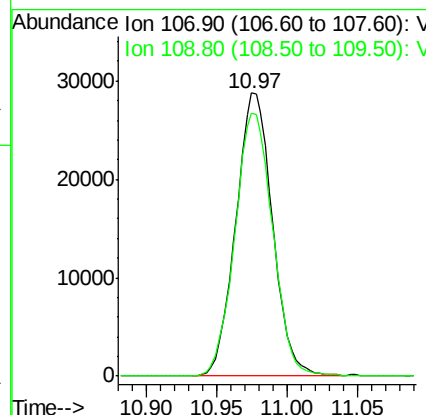
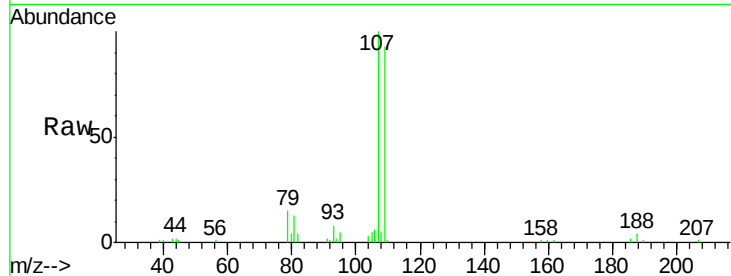
#61
1,2-Dibromoethane
Concen: 19.793 ug/l
RT: 10.97 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.8	113.8

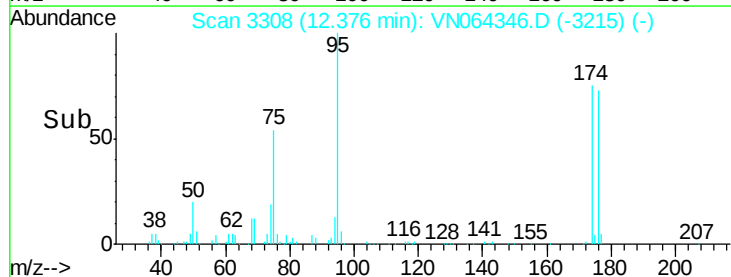
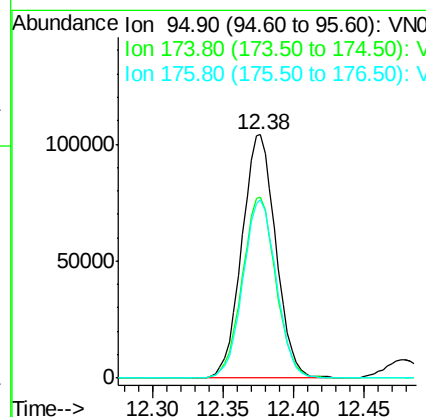
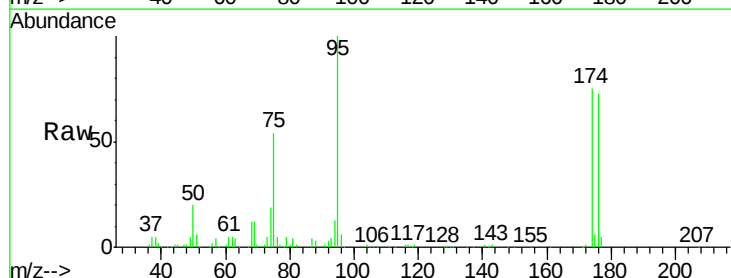
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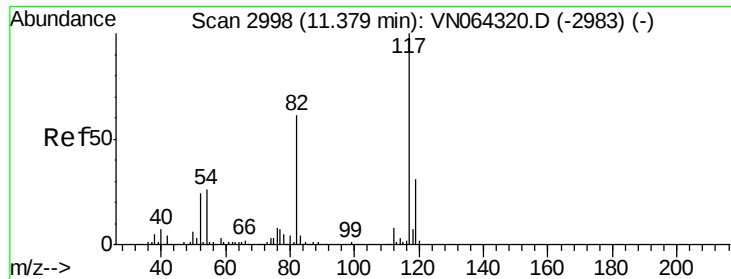
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#62
4-Bromofluorobenzene
Concen: 49.004 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	147.4
176	72.2	0.0	143.6





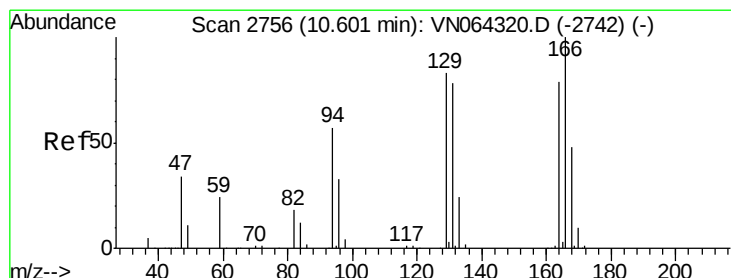
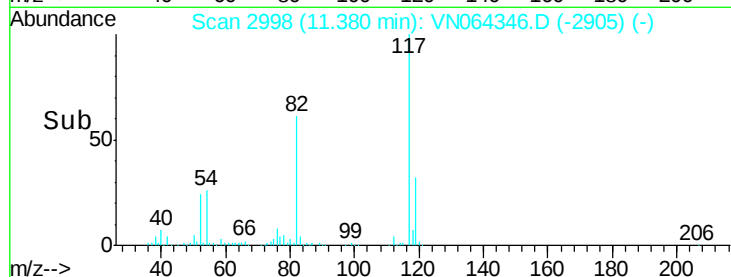
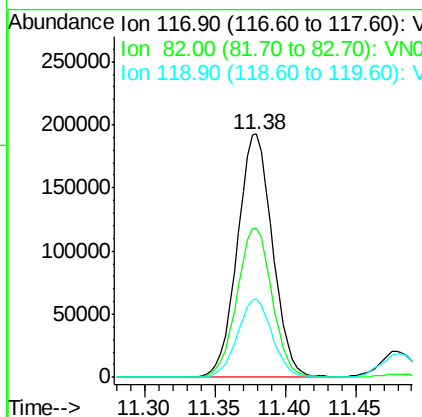
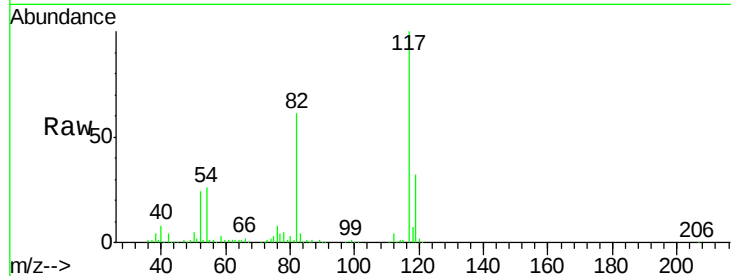
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	48.8	73.2
119	32.1	25.1	37.7

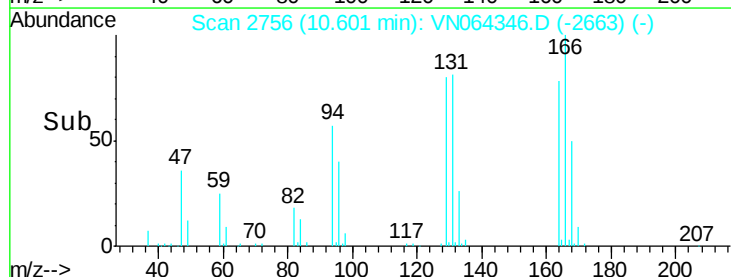
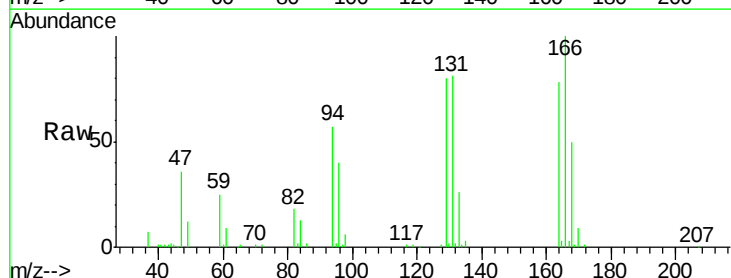
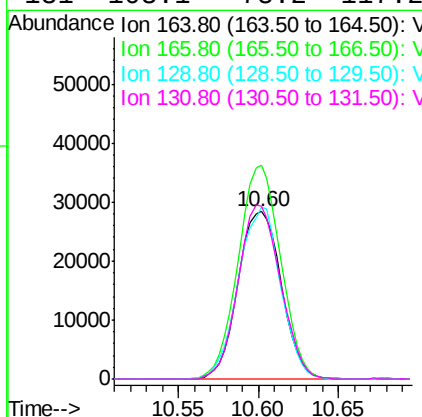
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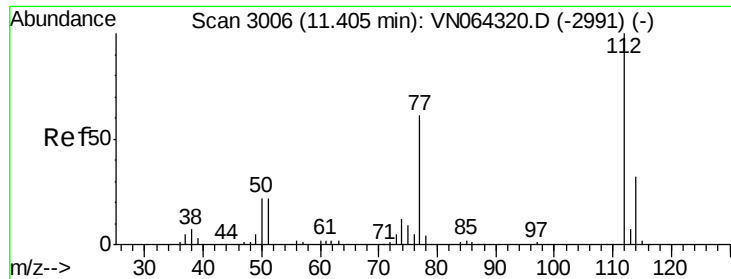
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#64
Tetrachloroethene
Concen: 19.000 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	100.7	151.1
129	102.5	83.7	125.5
131	103.1	78.2	117.2





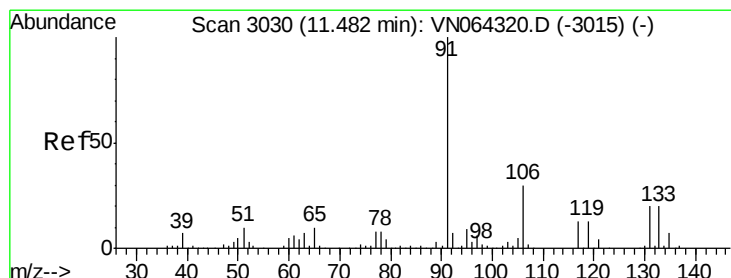
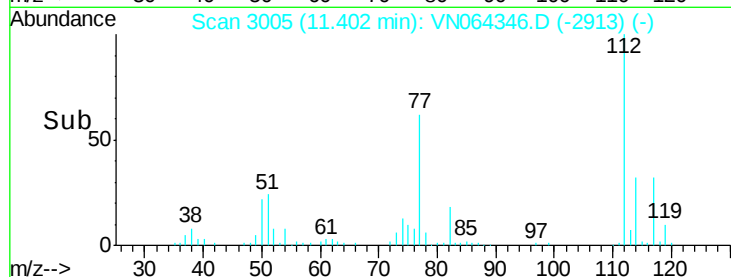
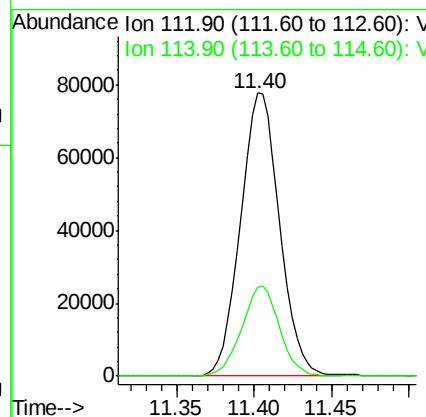
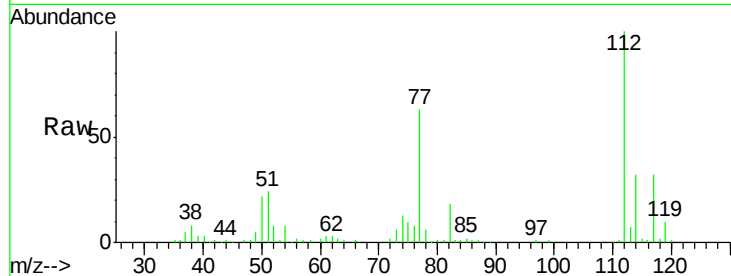
#65
Chlorobenzene
Concen: 20.040 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion:112 Resp: 136403
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.0

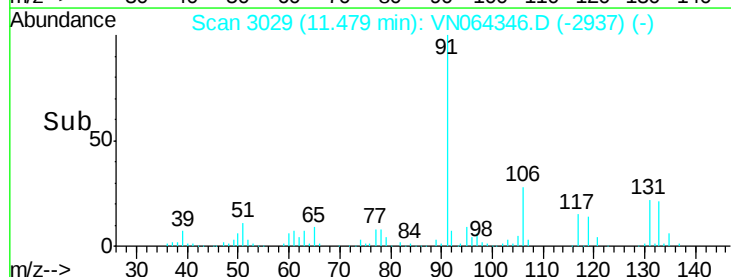
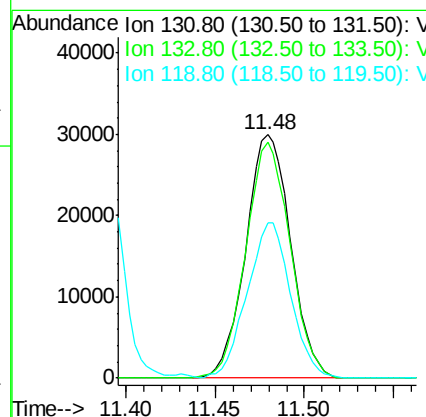
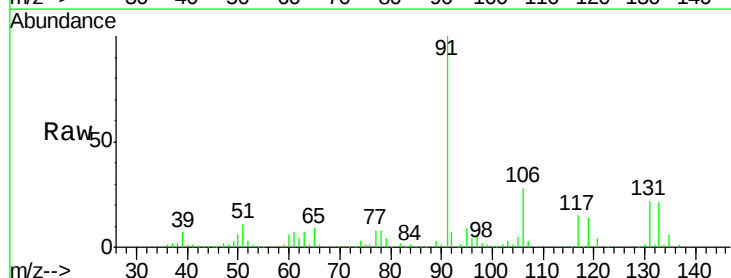
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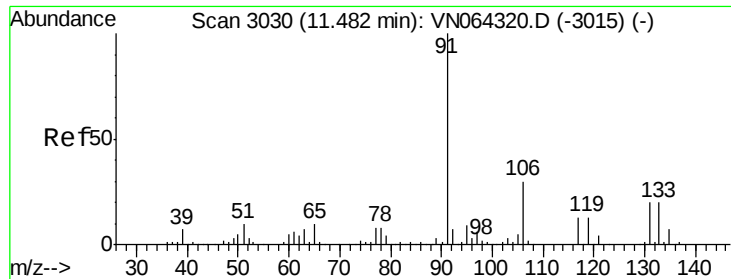
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.159 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion:131 Resp: 52709
Ion Ratio Lower Upper
131 100
133 95.8 49.3 147.8
119 61.9 32.3 96.9





#67

Ethyl Benzene

Concen: 19.331 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion: 91 Resp: 244621

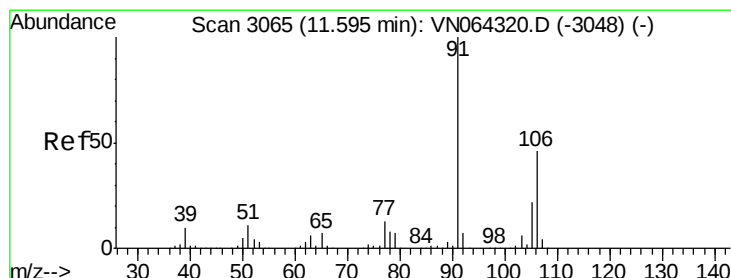
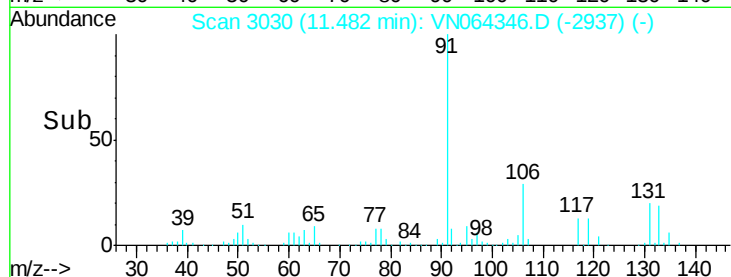
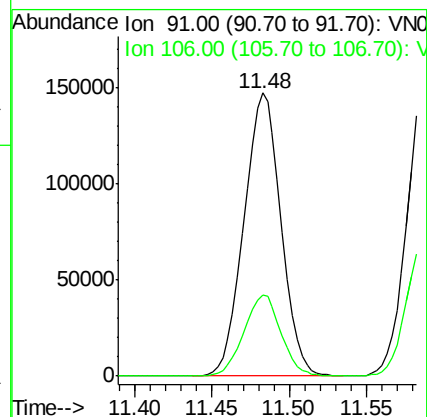
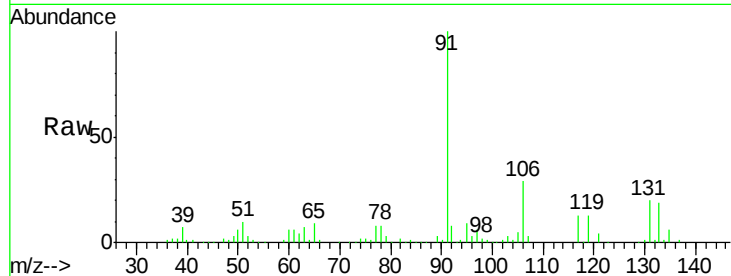
Ion Ratio Lower Upper

91 100

106 28.7 23.7 35.5

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#68

m/p-Xylenes

Concen: 38.418 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN064346.D

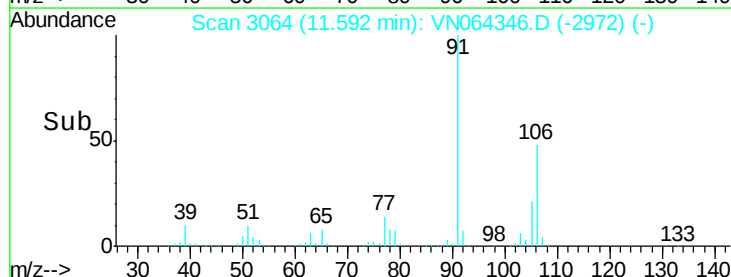
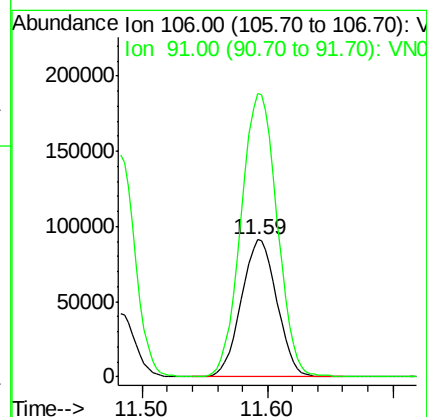
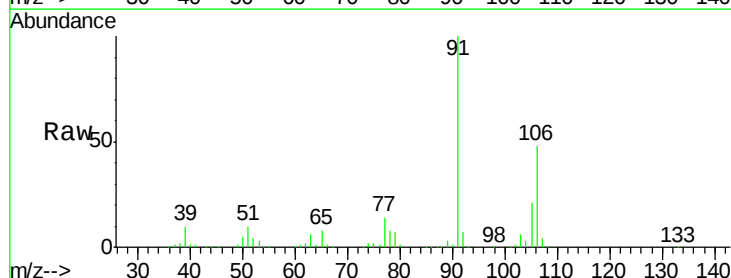
Acq: 28 Oct 2020 12:47

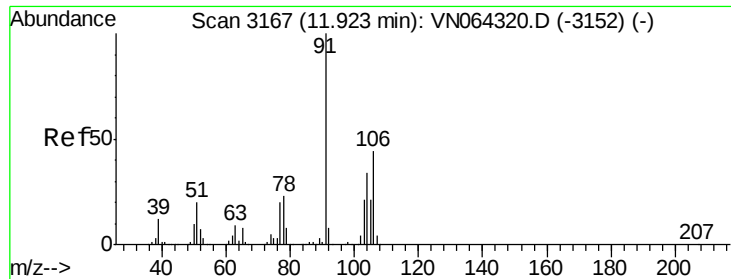
Tgt Ion: 106 Resp: 180164

Ion Ratio Lower Upper

106 100

91 209.1 170.2 255.4





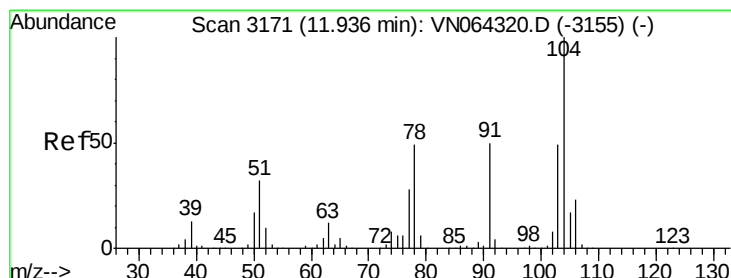
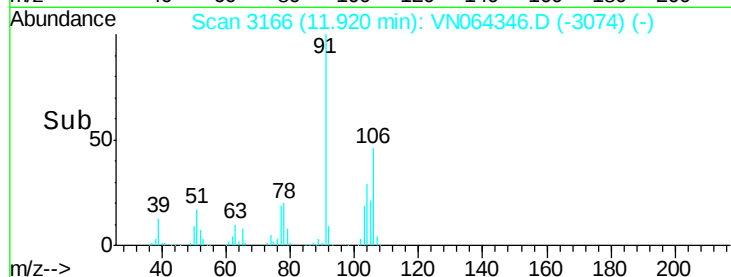
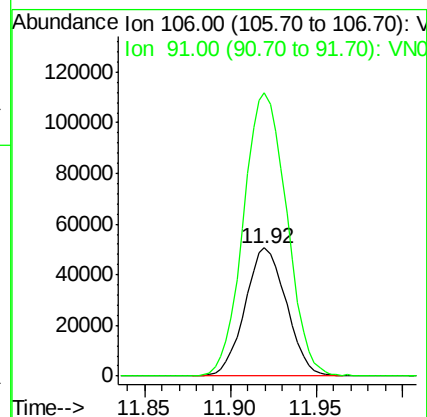
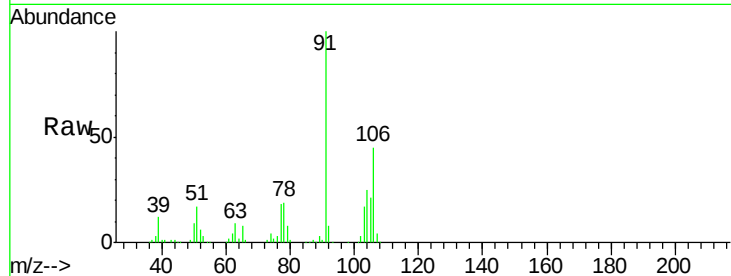
#69
o-Xylene
Concen: 18.744 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion:106 Resp: 84687
Ion Ratio Lower Upper
106 100
91 230.6 114.5 343.5

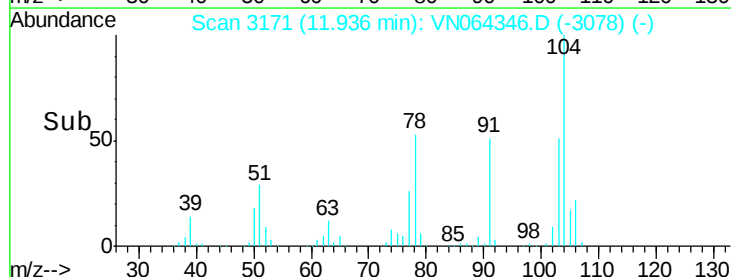
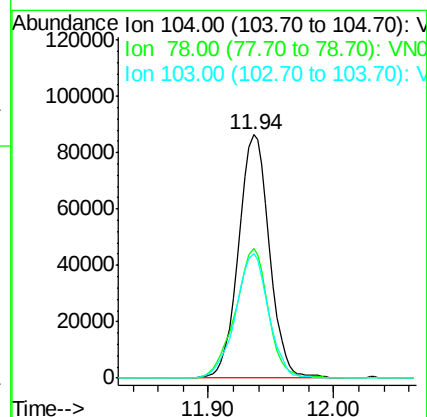
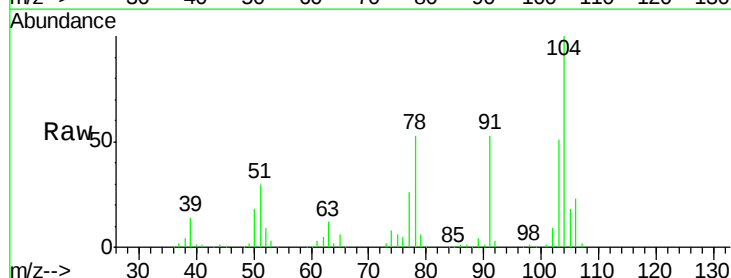
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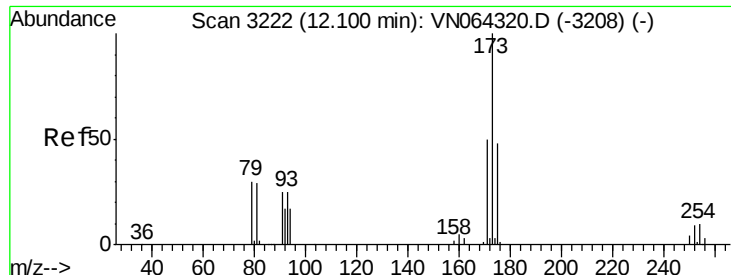
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#70
Styrene
Concen: 19.973 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion:104 Resp: 147951
Ion Ratio Lower Upper
104 100
78 56.6 43.7 65.5
103 54.6 43.3 64.9





#71

Bromoform

Concen: 19.142 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion:173 Resp: 41332

Ion Ratio Lower Upper

173 100

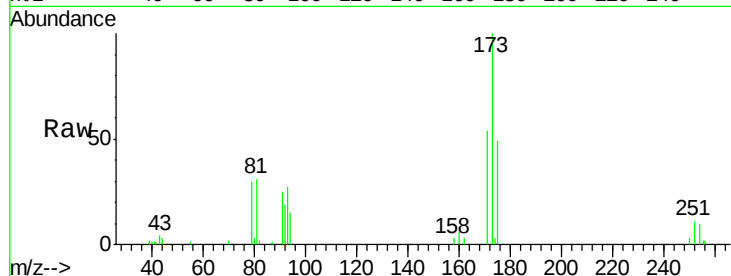
175 48.1 25.4 76.0

254 0.0 0.0 0.0

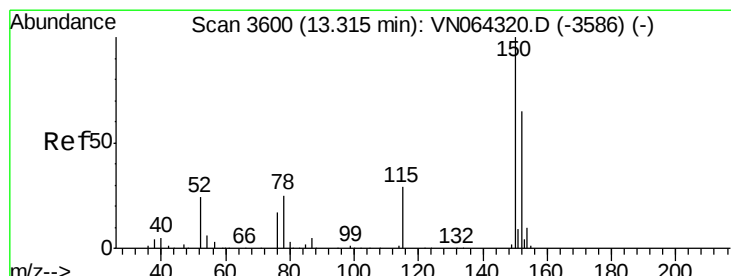
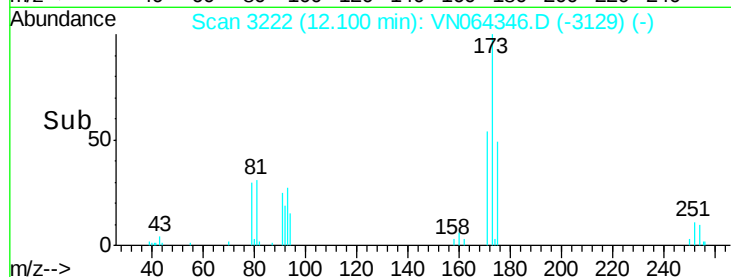
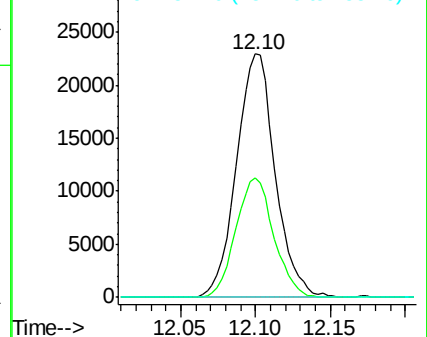
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

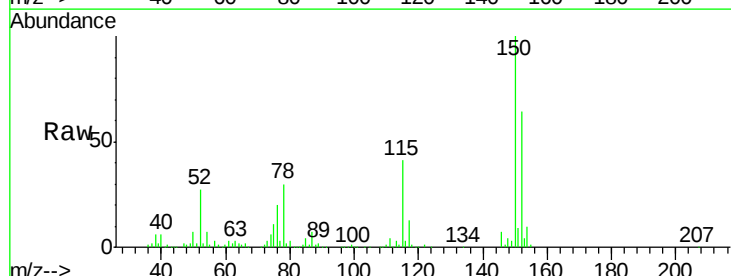
Tgt Ion:152 Resp: 161773

Ion Ratio Lower Upper

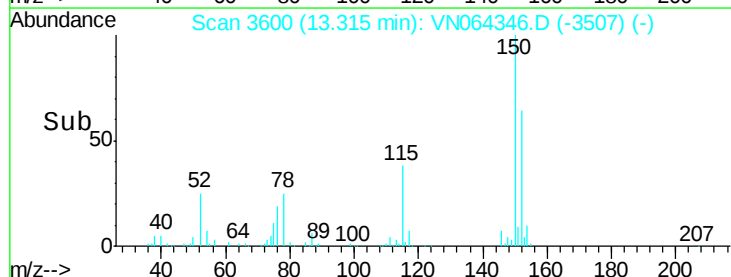
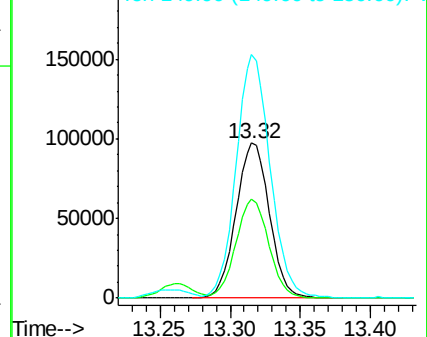
152 100

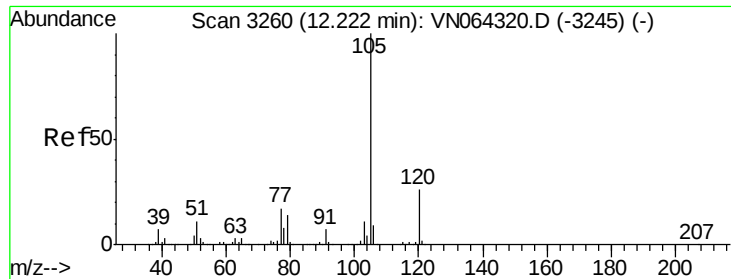
115 62.5 31.5 94.5

150 159.4 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.175 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion: 105 Resp: 232333

Ion Ratio Lower Upper

105 100

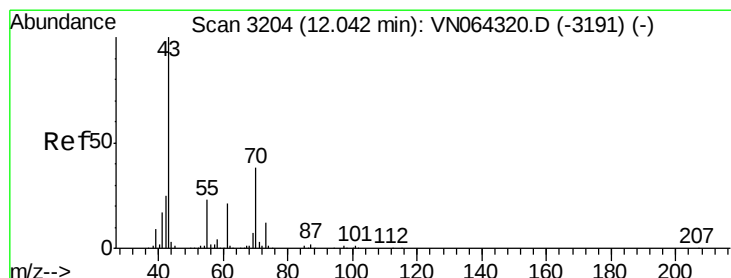
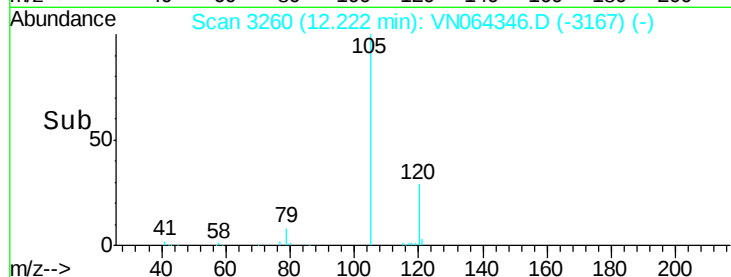
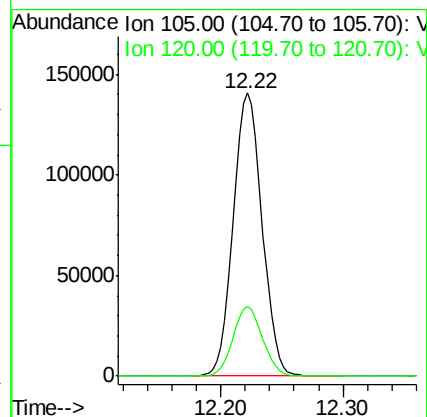
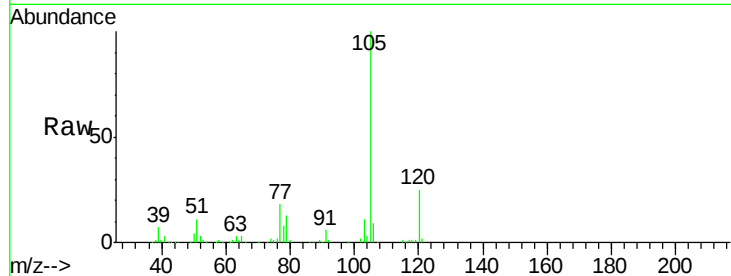
120 25.0 13.2 39.5

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#74

N-ethyl acetate

Concen: 20.124 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Tgt Ion: 43 Resp: 107326

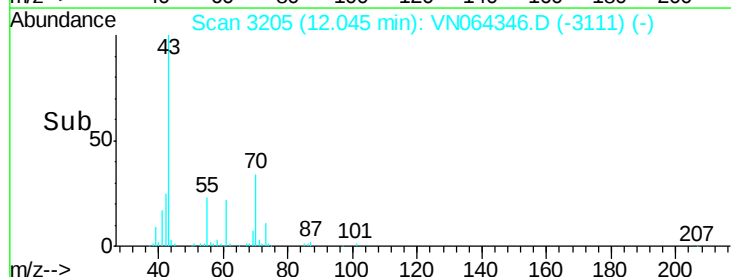
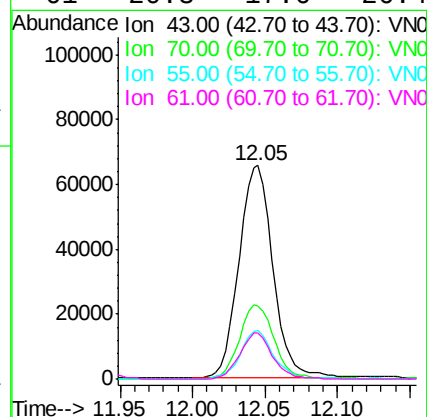
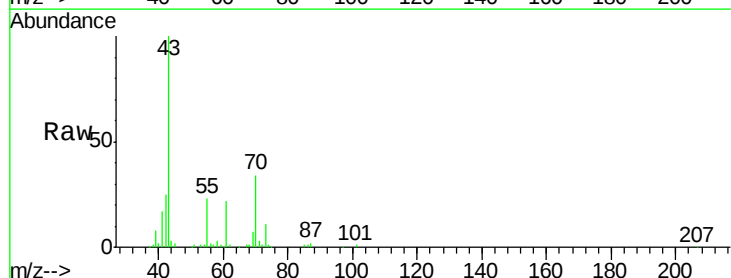
Ion Ratio Lower Upper

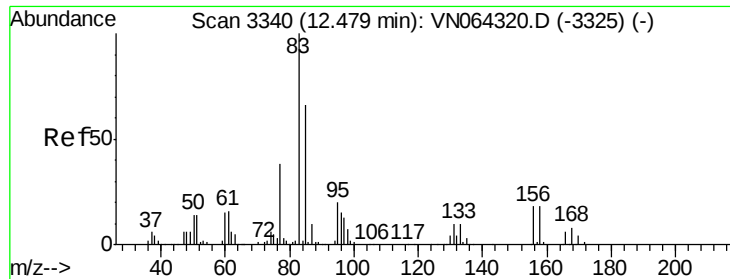
43 100

70 35.4 30.6 45.8

55 21.7 18.2 27.4

61 20.3 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.937 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

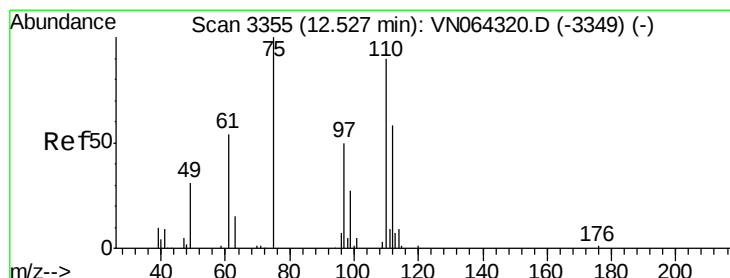
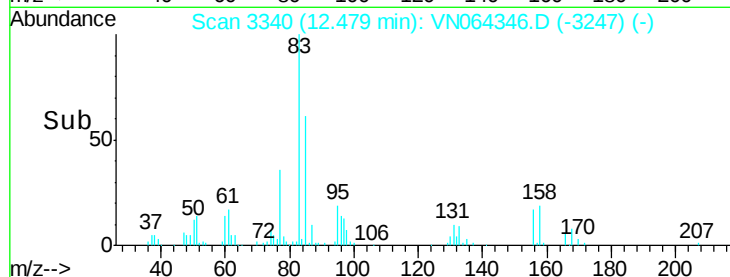
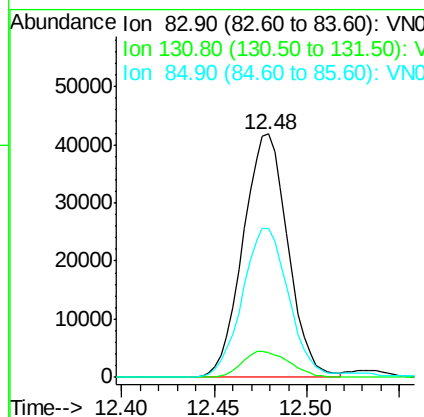
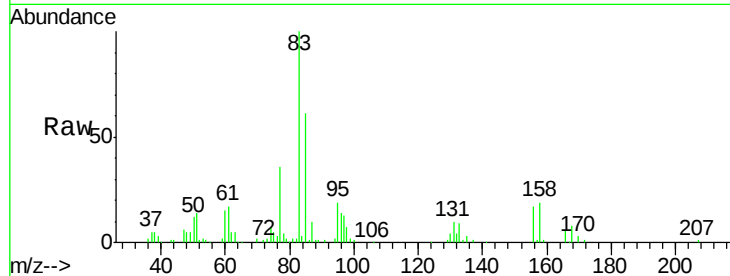
ClientSampleId :

VN1028WBSD01

Tot Ion:	83	Resp:	70217
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.4	16.2
85	63.2	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 17.518 ug/l m

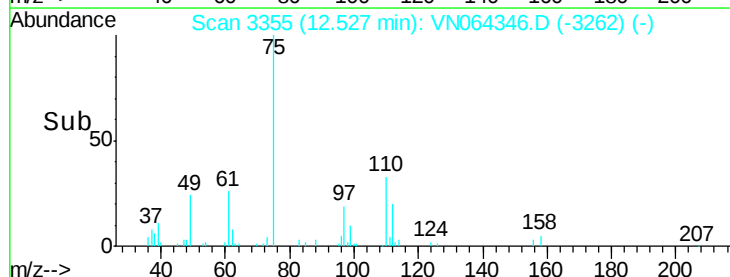
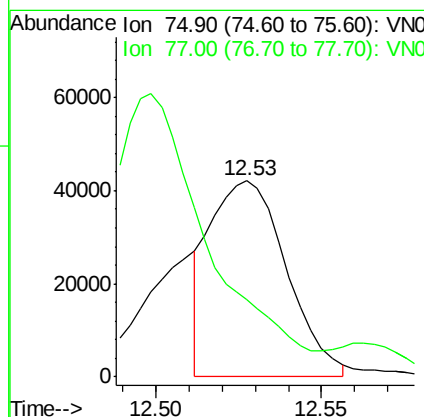
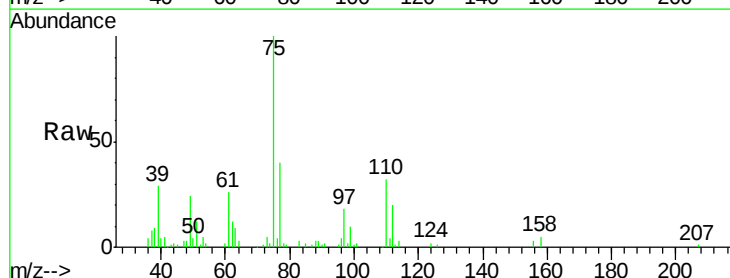
RT: 12.53 min Scan# 3355

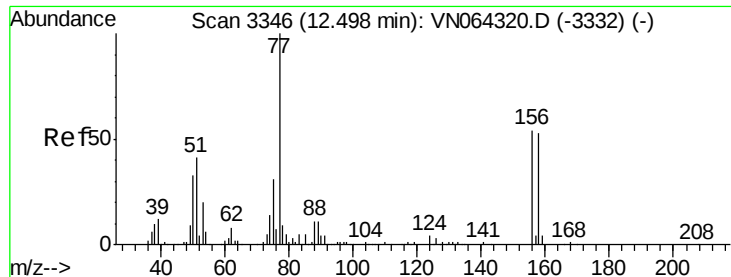
Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Tgt Ion:	75	Resp:	67864
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.666 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

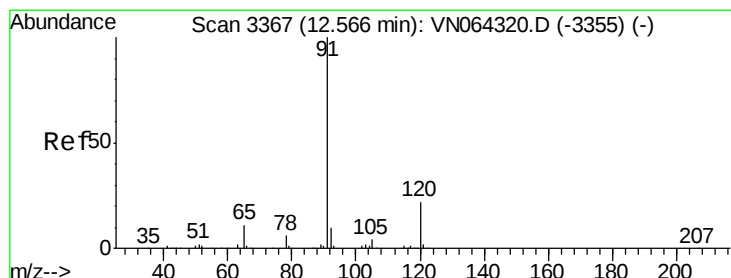
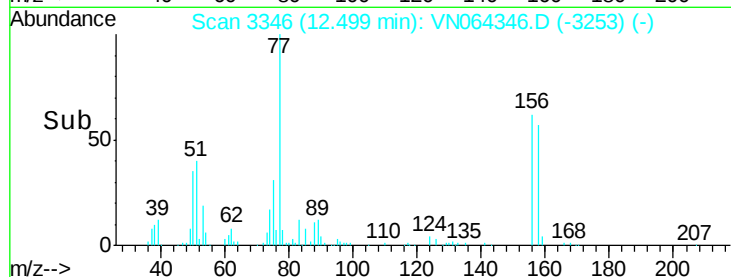
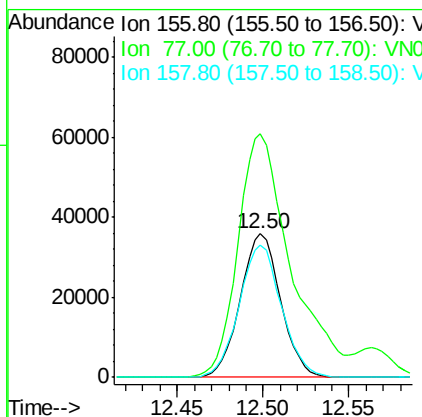
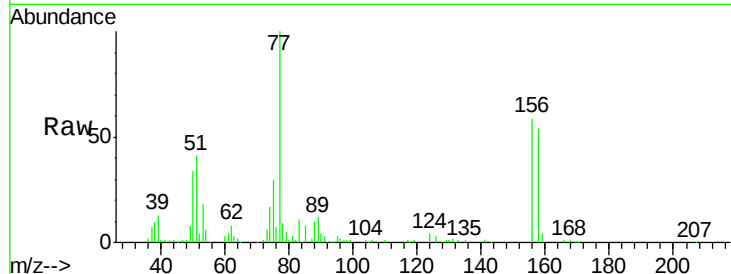
ClientSampleId :

VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	223.0	111.9	335.7
158	96.9	49.0	147.0

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#78

n-propylbenzene

Concen: 19.052 ug/l

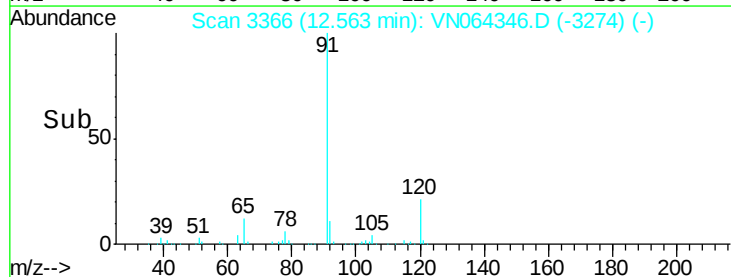
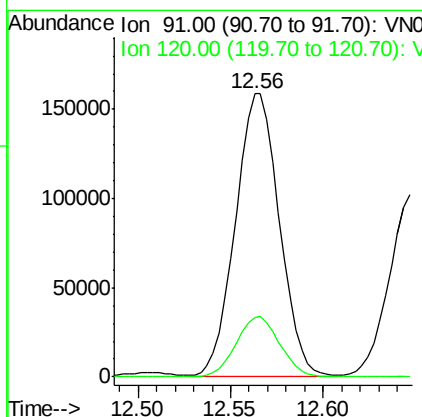
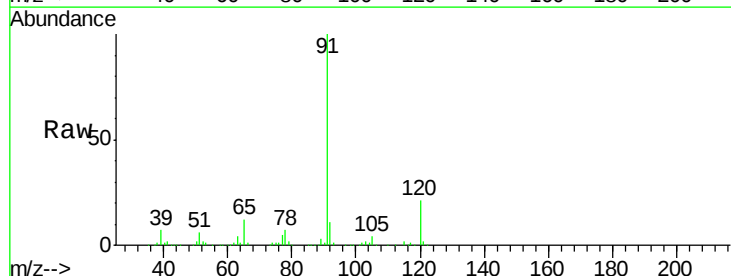
RT: 12.56 min Scan# 3366

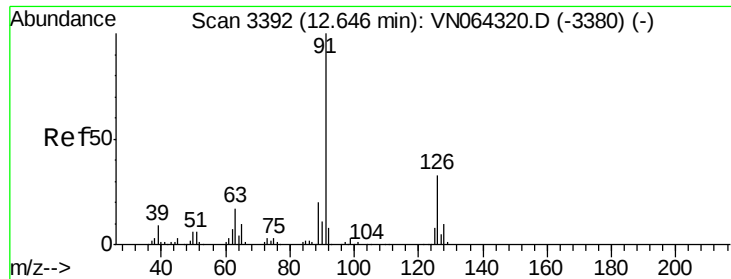
Delta R.T. -0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.0	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.068 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion: 91 Resp: 167205

Ion Ratio Lower Upper

91 100

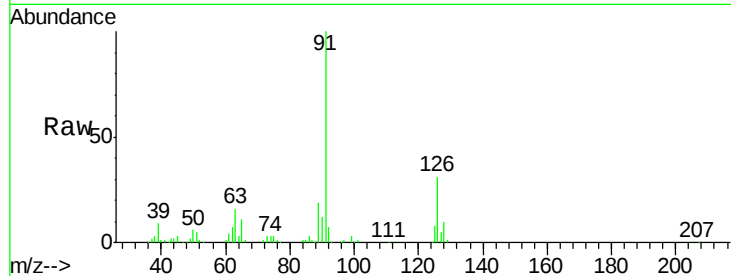
126 31.8 16.2 48.5

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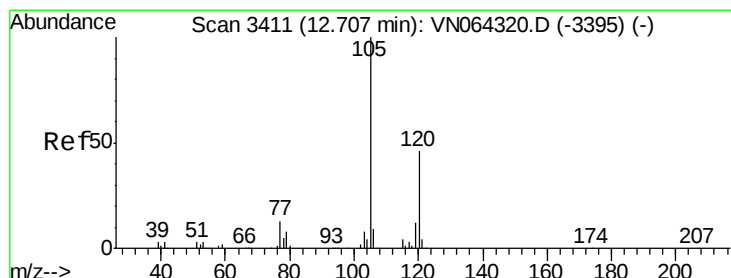
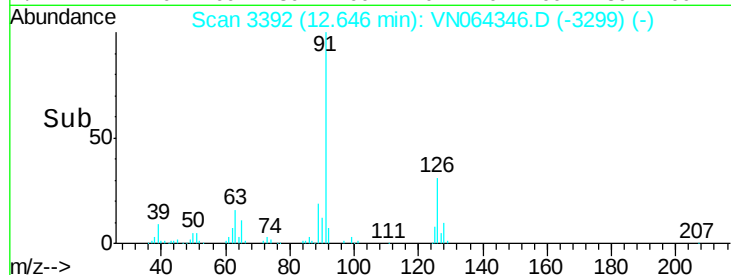
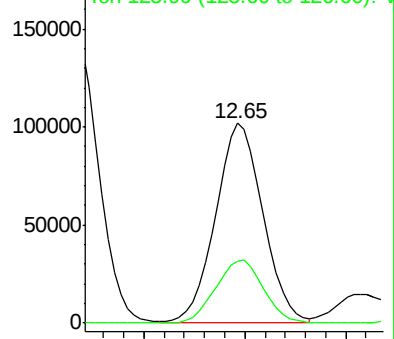
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Abundance Ion 91.00 (90.70 to 91.70): VN064320.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.824 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064346.D

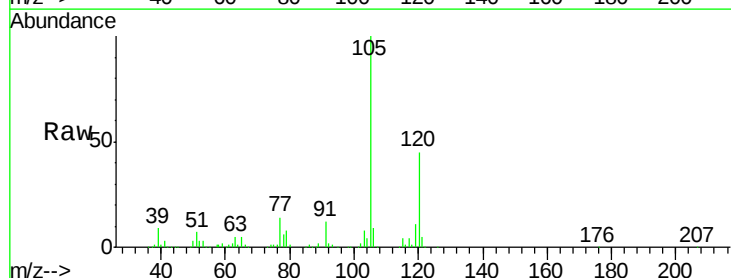
Acq: 28 Oct 2020 12:47

Tgt Ion: 105 Resp: 192991

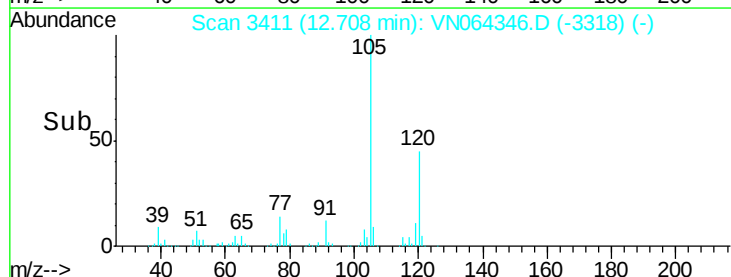
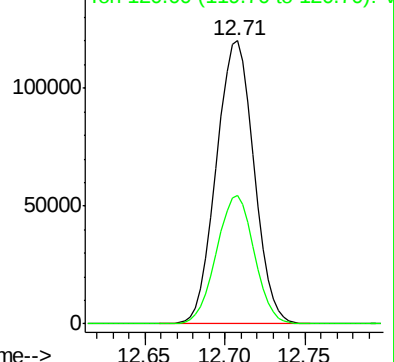
Ion Ratio Lower Upper

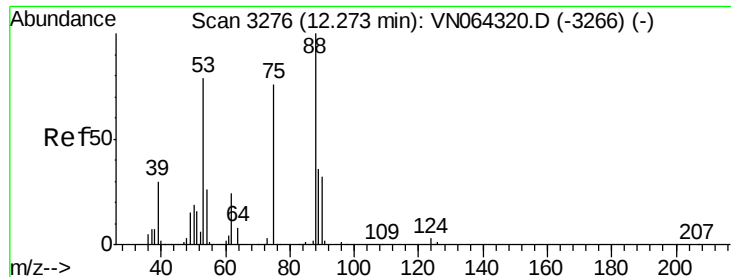
105 100

120 45.5 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064320.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.940 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

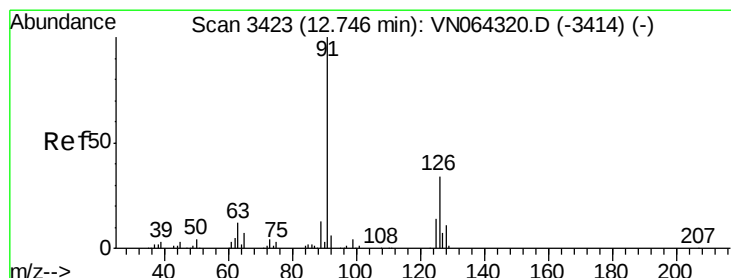
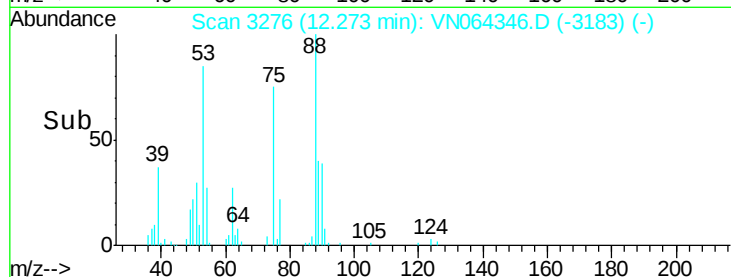
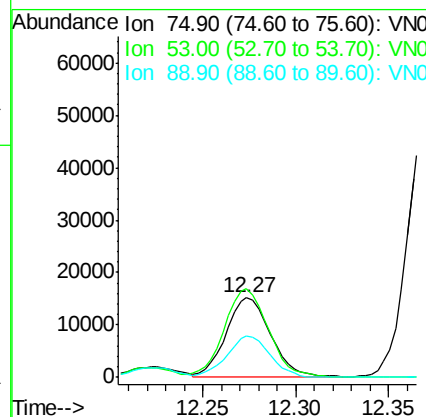
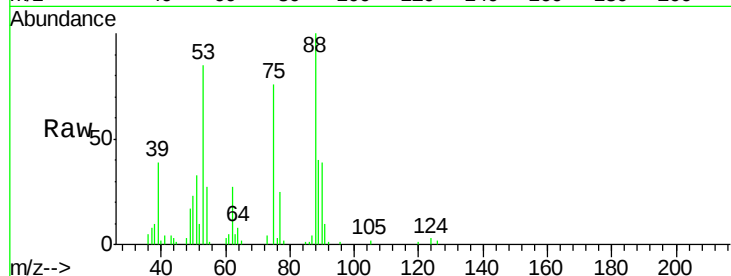
ClientSampleId :

VN1028WBSD01

Tot Ion:	75	Resp:	25472
Ion	Ratio	Lower	Upper
75	100		
53	110.1	81.8	122.8
89	50.3	39.9	59.9

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#82

4-Chlorotoluene

Concen: 19.272 ug/l

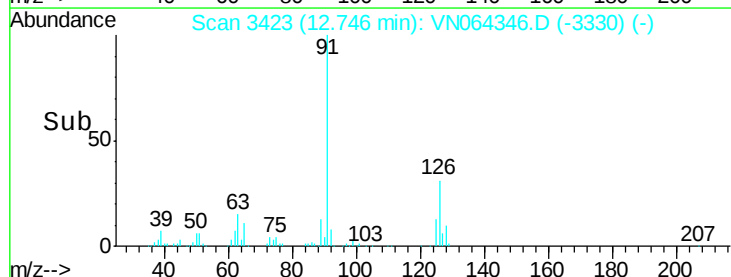
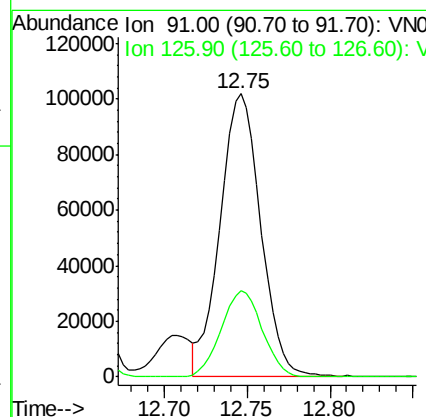
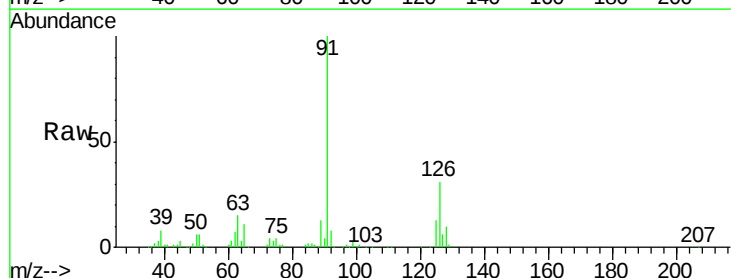
RT: 12.75 min Scan# 3423

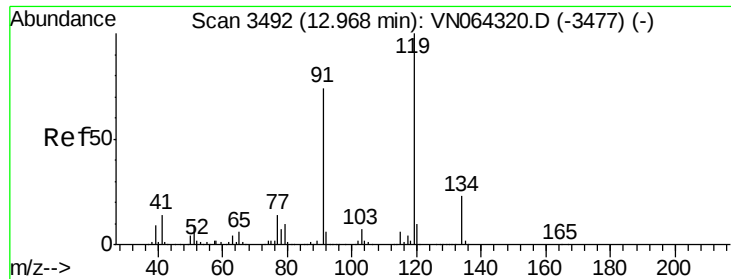
Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Tgt Ion:	91	Resp:	172154
Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.8	47.3





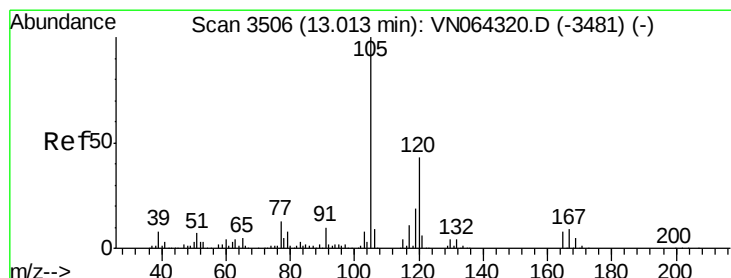
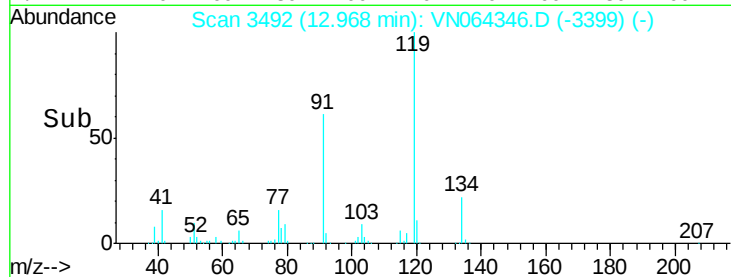
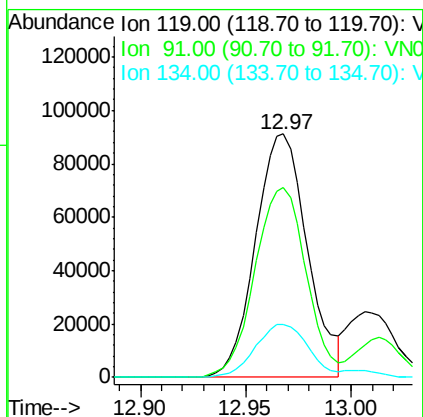
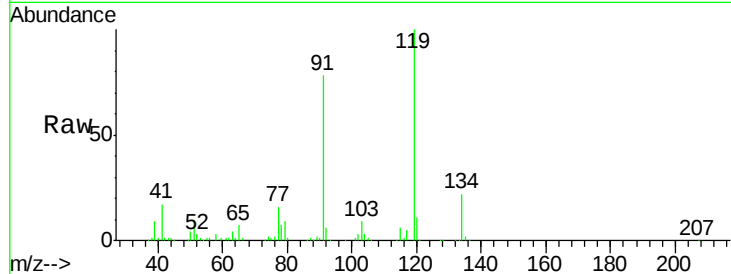
#83
tert-Butylbenzene
Concen: 18.575 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	156271		
91	76.8	36.4	109.1	
134	22.2	12.0	36.1	

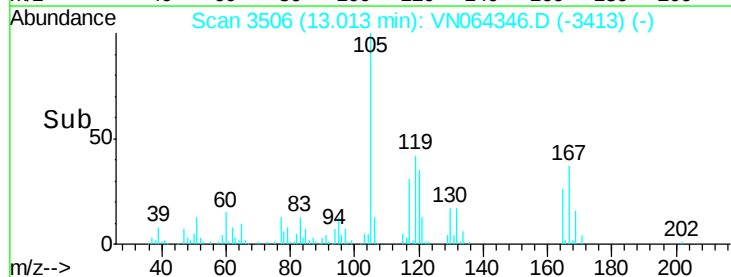
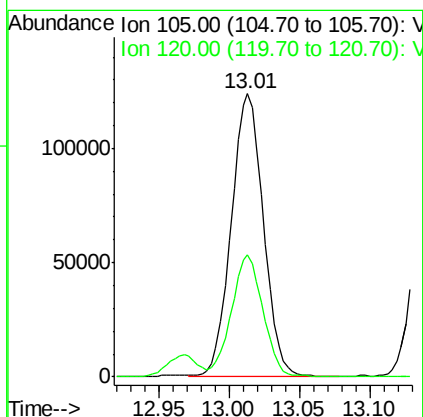
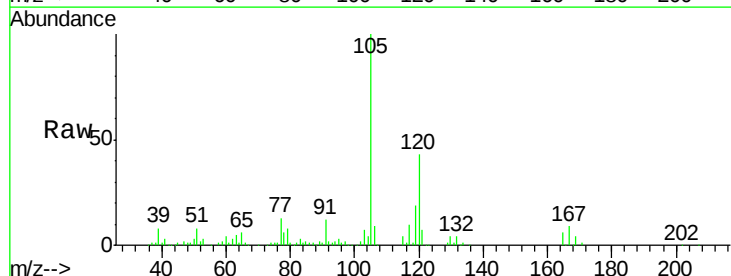
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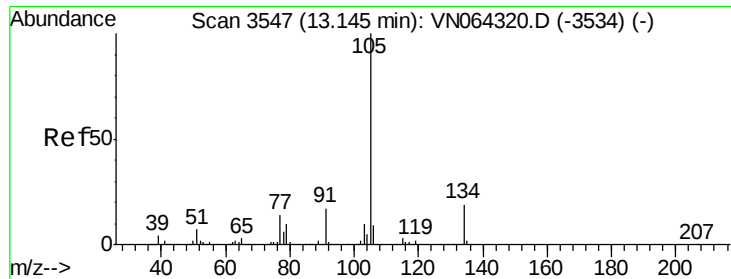
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#84
1,2,4-Trimethylbenzene
Concen: 19.216 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	196849		
120	42.7	21.3	64.0	





#85

sec-Butylbenzene

Concen: 18.406 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion:105 Resp: 200377

Ion Ratio Lower Upper

105 100

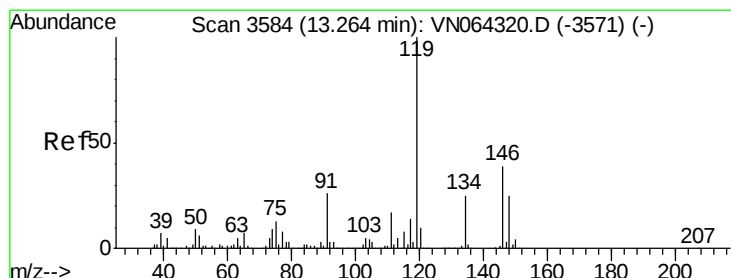
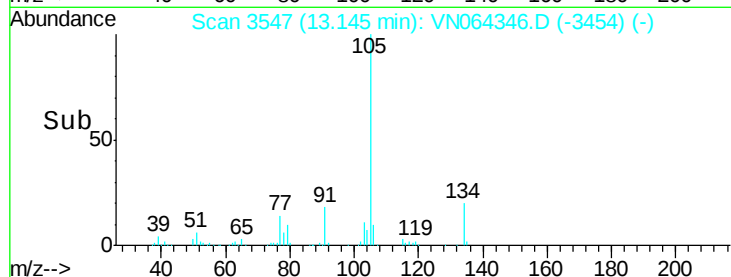
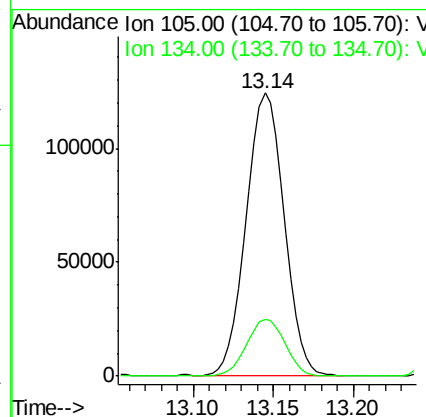
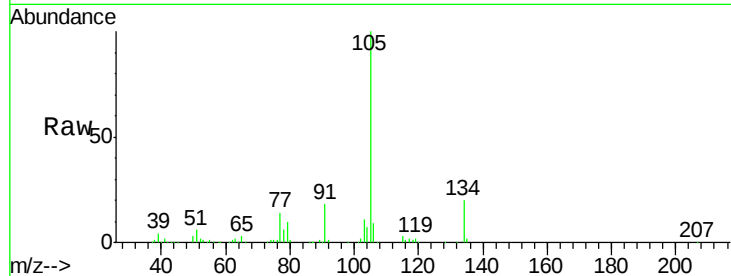
134 20.3 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 18.777 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

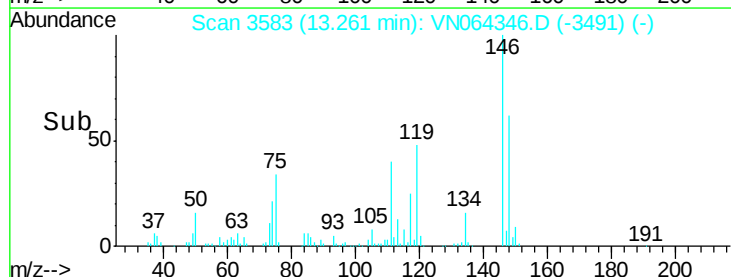
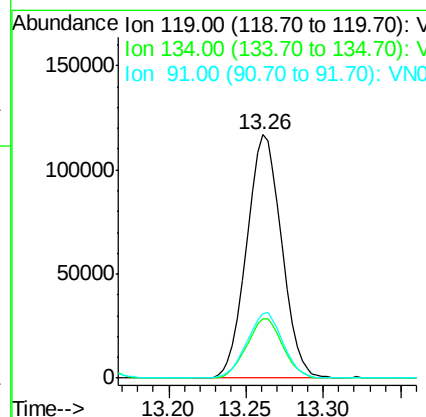
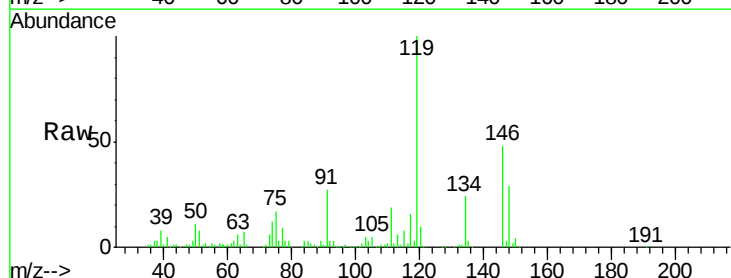
Tgt Ion:119 Resp: 184163

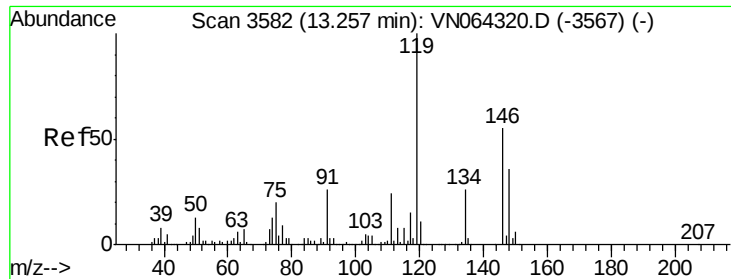
Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.4

91 27.5 13.0 38.9





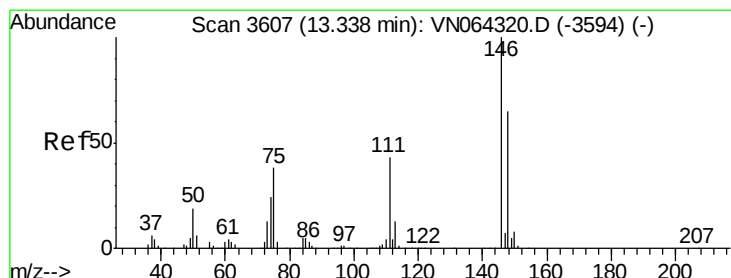
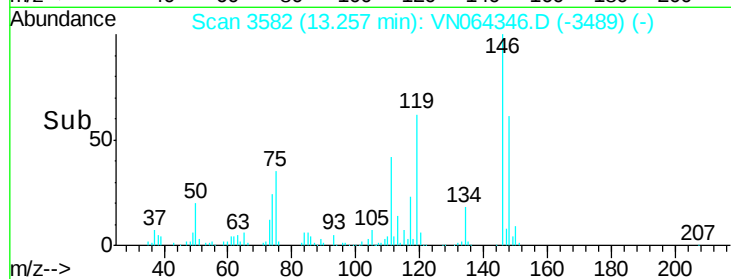
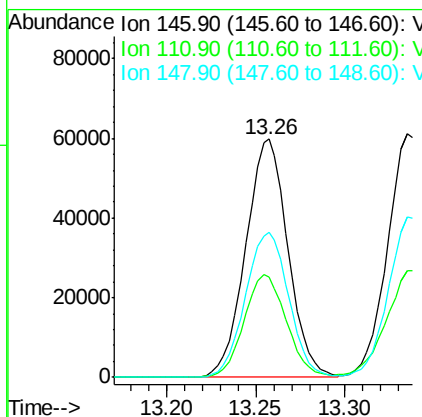
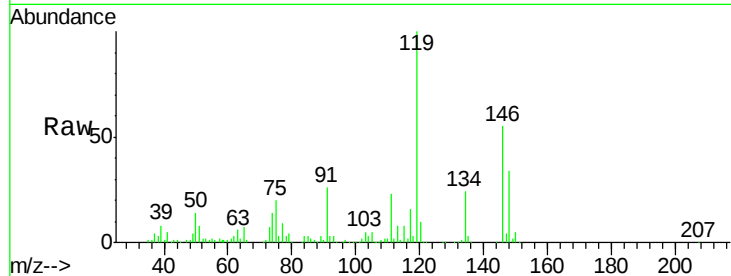
#87
 1,3-Dichlorobenzene
 Concen: 19.083 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.9	65.5
148	62.3	32.6	98.0

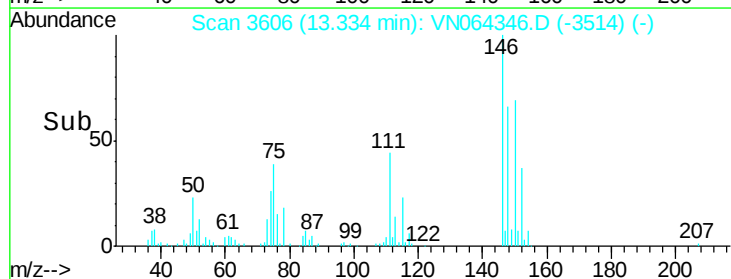
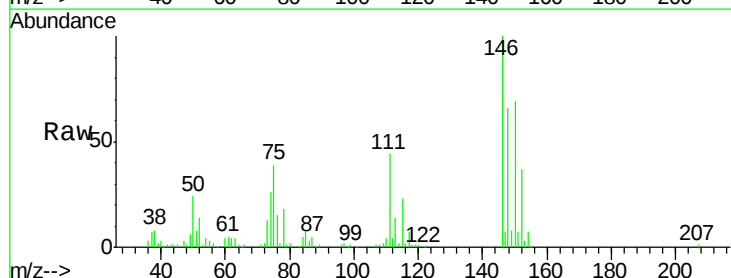
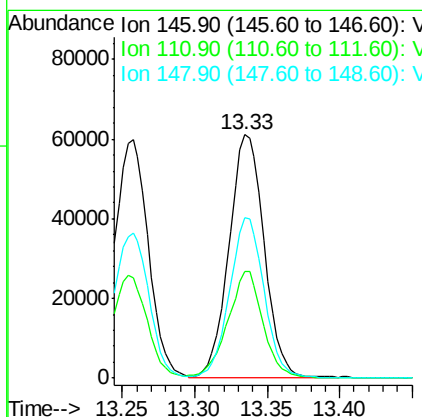
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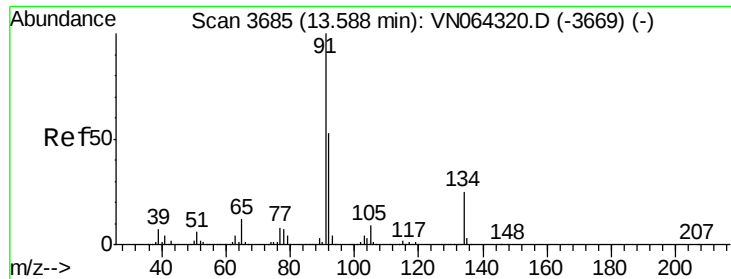
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#88
 1,4-Dichlorobenzene
 Concen: 19.354 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.8	65.4
148	65.1	31.8	95.3





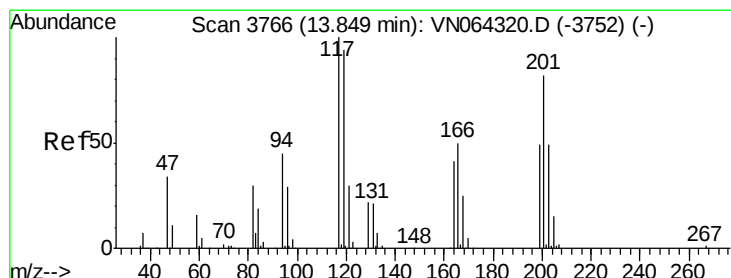
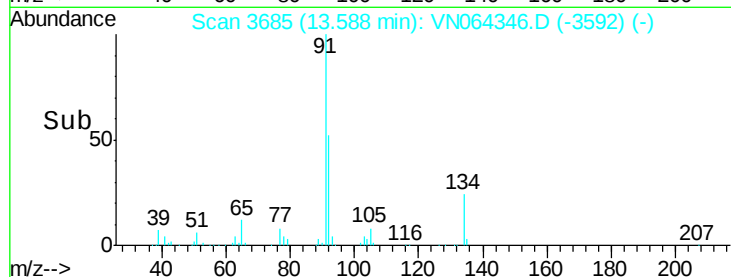
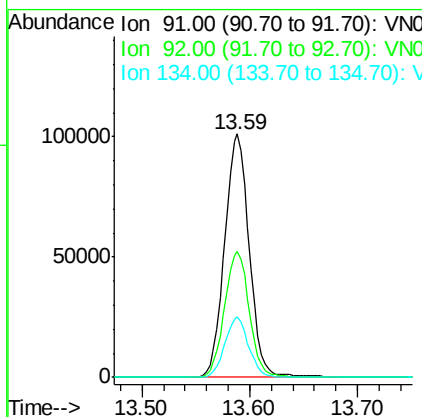
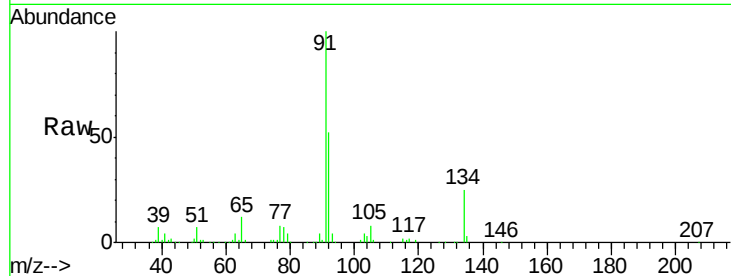
#89
n-Butylbenzene
Concen: 18.603 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.5
134	23.7	12.4	37.4

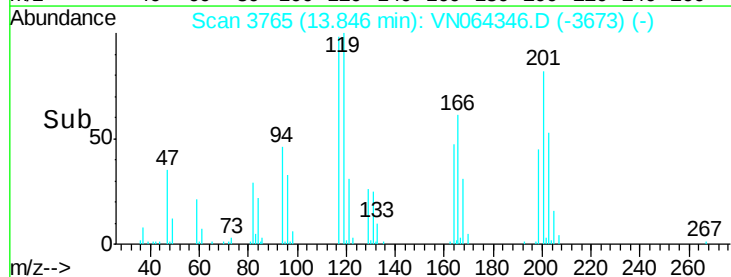
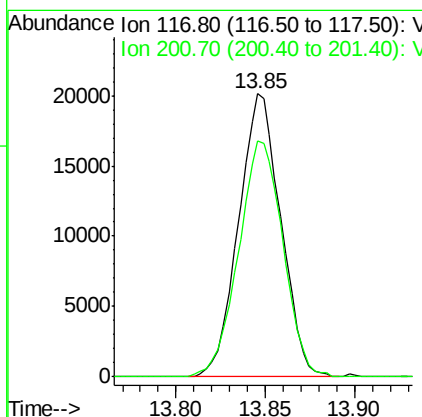
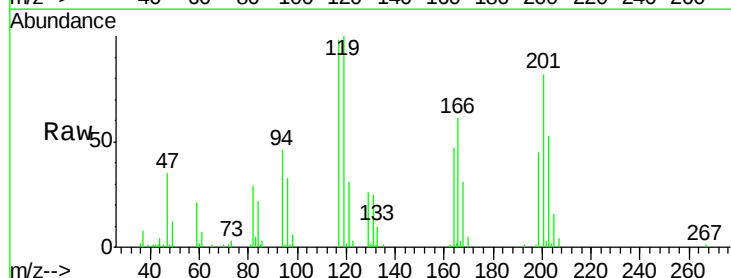
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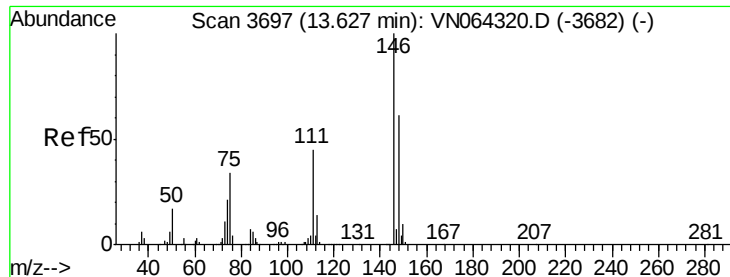
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#90
Hexachloroethane
Concen: 18.047 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.7	39.8	119.3





#91

1,2-Dichlorobenzene

Concen: 19.173 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

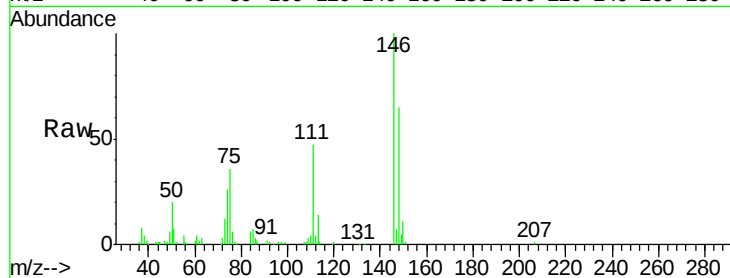
ClientSampleId :

VN1028WBSD01

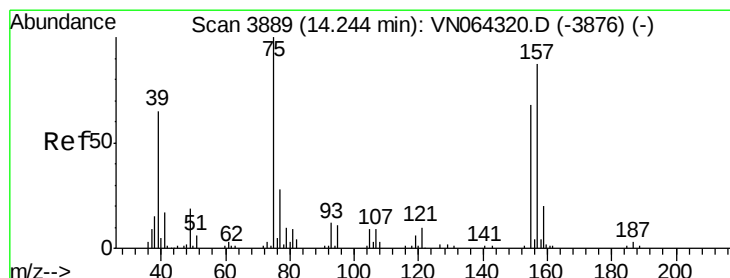
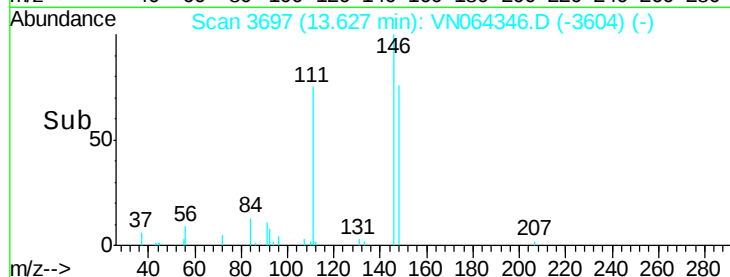
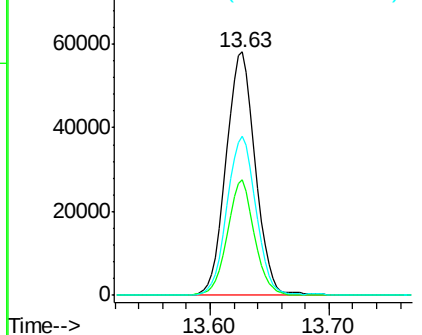
Tot Ion:	146	Resp:	99004
Ion Ratio	Lower	Upper	
146	100		
111	43.8	23.0	69.0
148	64.6	32.1	96.3

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.656 ug/l

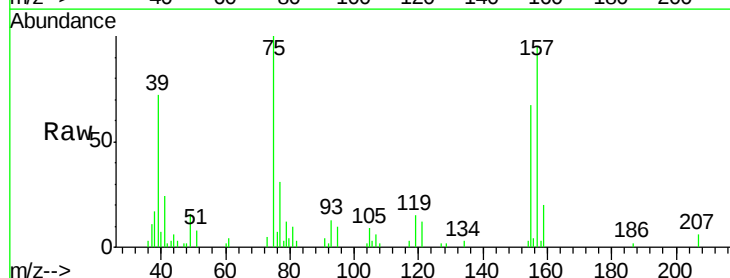
RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

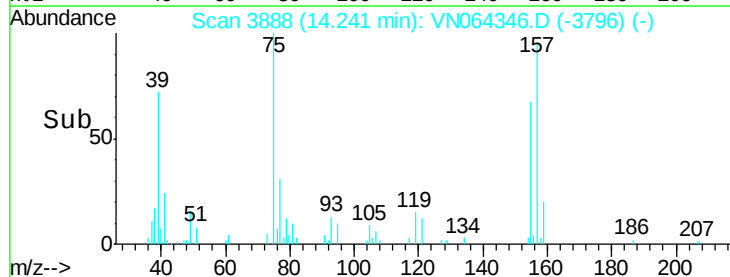
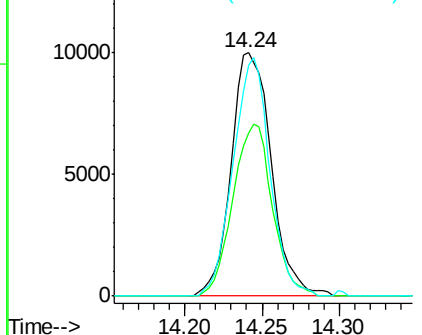
Lab File: VN064346.D

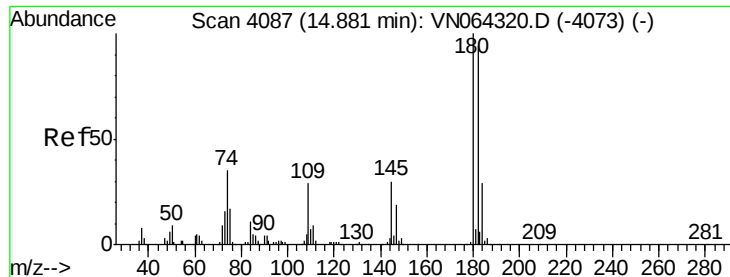
Acq: 28 Oct 2020 12:47

Tgt Ion:	75	Resp:	18051
Ion Ratio	Lower	Upper	
75	100		
155	69.4	35.1	105.5
157	89.8	43.2	129.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





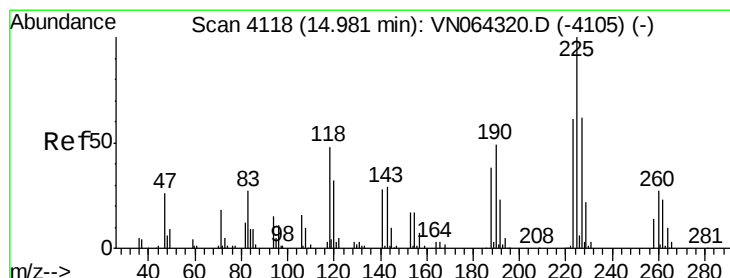
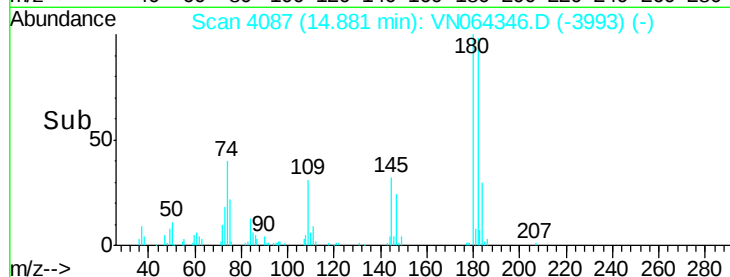
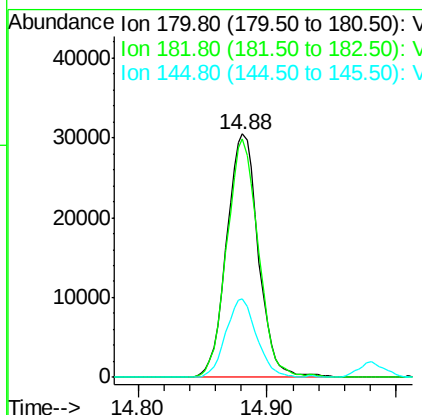
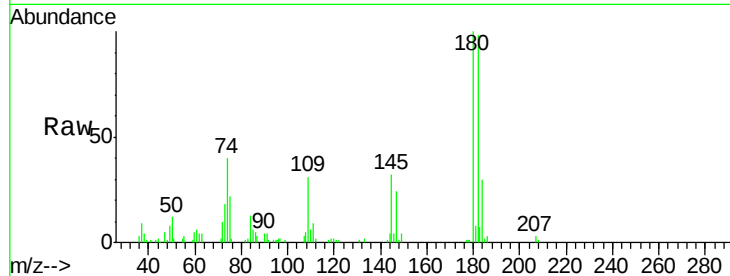
#93
 1,2,4-Trichlorobenzene
 Concen: 18.804 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	51912		
182	96.9	46.6	139.7	
145	31.3	15.3	45.9	

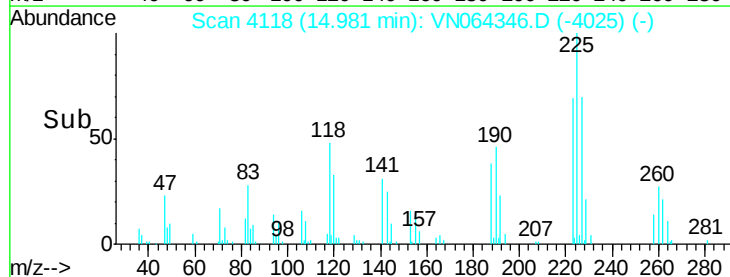
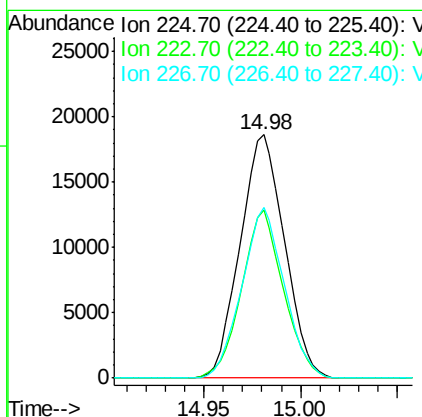
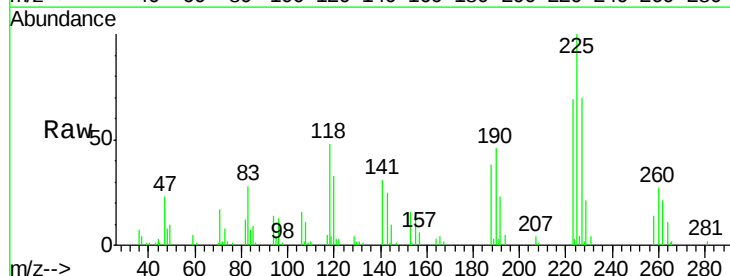
Manual Integrations
 APPROVED

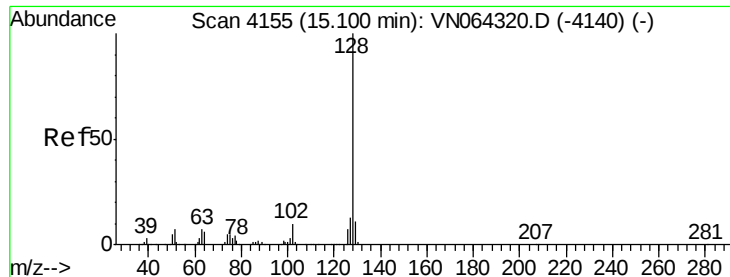
MMDadoda
 10/29/2020 9:49:52 AM



#94
 Hexachlorobutadiene
 Concen: 18.755 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29720		
223	64.9	31.3	93.8	
227	67.0	32.3	96.9	





#95

Naphthalene

Concen: 19.166 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

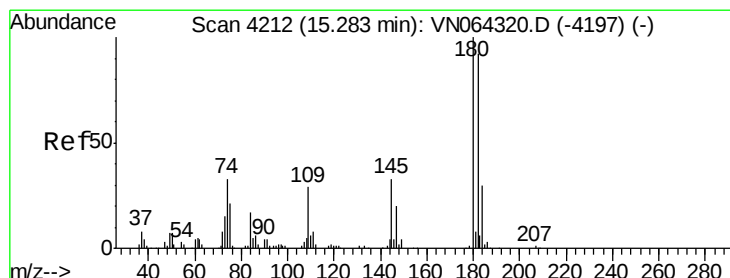
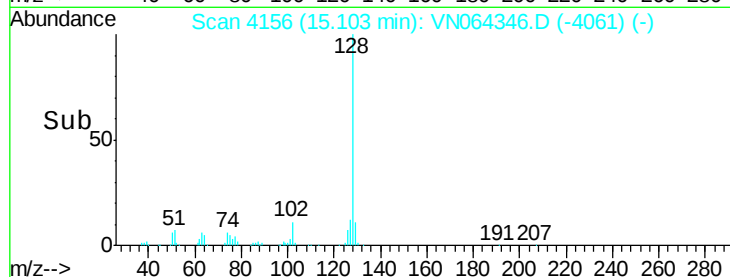
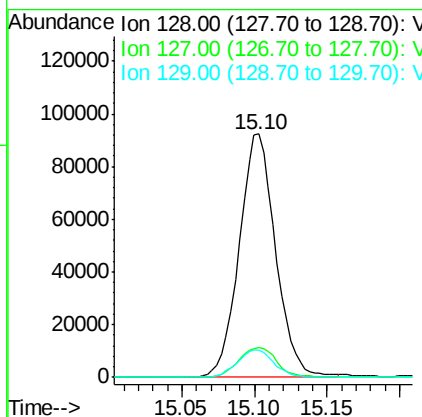
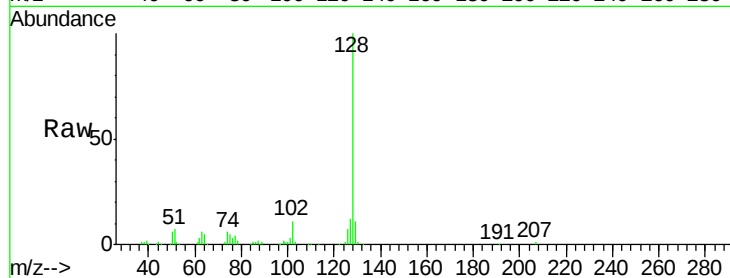
ClientSampleId :

VN1028WBSD01

Tot Ion:	128	Resp:	161109
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/29/2020 9:49:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.499 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Tgt Ion:	180	Resp:	51800
Ion Ratio	Lower	Upper	
180	100		
182	92.6	46.1	138.3
145	32.1	16.2	48.5

