

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111220\
 Data File : VN064575.D
 Acq On : 12 Nov 2020 12:46
 Operator : JC/MD
 Sample : VN1112WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2020 11:42:16 AM

Quant Time: Nov 13 03:24:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	283518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	491997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	468162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	210470	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	247090	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	7.55	113	171729	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
50) Toluene-d8	10.06	98	631937	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.38	95	225862	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	64086	17.364	ug/l	96
3) Chloromethane	2.04	50	77222	17.226	ug/l	98
4) Vinyl Chloride	2.17	62	80652	17.520	ug/l	95
5) Bromomethane	2.54	94	56569	19.235	ug/l	100
6) Chloroethane	2.68	64	55031	18.671	ug/l	96
7) Trichlorofluoromethane	2.99	101	128673	18.982	ug/l	99
8) Diethyl Ether	3.38	74	46947	19.612	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	59617	18.521	ug/l	98
10) Methyl Iodide	3.91	142	66952	17.900	ug/l	99
11) Tert butyl alcohol	4.75	59	50655	93.012	ug/l #	91
12) 1,1-Dichloroethene	3.69	96	54020	17.816	ug/l	93
13) Acrolein	3.57	56	23116	68.428	ug/l	92
14) Allyl chloride	4.27	41	99632	16.797	ug/l	98
15) Acrylonitrile	4.94	53	153960	101.540	ug/l	100
16) Acetone	3.78	43	159694	84.892	ug/l	98
17) Carbon Disulfide	4.01	76	155531	17.152	ug/l	98
18) Methyl Acetate	4.29	43	76391	20.656	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	194486	17.821	ug/l	97
20) Methylene Chloride	4.51	84	66306	17.765	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	60896	17.688	ug/l	97
22) Diisopropyl ether	5.91	45	222958	17.708	ug/l	98
23) Vinyl Acetate	5.85	43	905869	88.439	ug/l	97
24) 1,1-Dichloroethane	5.80	63	126028	18.215	ug/l	99
25) 2-Butanone	6.79	43	217091	90.574	ug/l	98
26) 2,2-Dichloropropane	6.77	77	108160	17.269	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	69586	17.443	ug/l	99
28) Bromochloromethane	7.15	49	61099	17.966	ug/l	98
29) Tetrahydrofuran	7.17	42	136672	92.941	ug/l	98
30) Chloroform	7.33	83	135506	18.632	ug/l	99
31) Cyclohexane	7.62	56	95533	15.914	ug/l #	92
32) 1,1,1-Trichloroethane	7.53	97	117973	18.289	ug/l	99
36) 1,1-Dichloropropene	7.75	75	92028	17.706	ug/l	97
37) Ethyl Acetate	6.88	43	93157	18.152	ug/l	99
38) Carbon Tetrachloride	7.73	117	103776	18.682	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	78139	16.771	ug/l	95
40) Benzene	8.00	78	269458	17.643	ug/l	95
41) Methacrylonitrile	7.14	41	48673m	21.122	ug/l	
42) 1,2-Dichloroethane	8.09	62	120679	19.579	ug/l	100
43) Isopropyl Acetate	8.13	43	155673	18.482	ug/l	98
44) Trichloroethene	8.80	130	69943	18.151	ug/l	94
45) 1,2-Dichloropropane	9.09	63	75066	18.420	ug/l	96
46) Dibromomethane	9.18	93	53005	19.758	ug/l	99
47) Bromodichloromethane	9.37	83	113738	19.718	ug/l	95
48) Methyl methacrylate	9.17	41	78187	18.395	ug/l	99
49) 1,4-Dioxane	9.17	88	22845	408.070	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	479791	97.675	ug/l	99
52) Toluene	10.13	92	167576	17.989	ug/l	95
53) t-1,3-Dichloropropene	10.35	75	112101	18.331	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	116935	17.884	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	71002	19.544	ug/l	98
56) Ethyl methacrylate	10.40	69	91560	16.595	ug/l	99
57) 1,3-Dichloropropane	10.68	76	120738	19.040	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	255148	104.093	ug/l	98
59) 2-Hexanone	10.72	43	341113	87.816	ug/l	98
60) Dibromochloromethane	10.87	129	79574	19.564	ug/l	96
61) 1,2-Dibromoethane	10.98	107	72334	19.630	ug/l	100
64) Tetrachloroethene	10.60	164	67414	18.694	ug/l	98
65) Chlorobenzene	11.41	112	181220	17.657	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	73344	19.156	ug/l	99
67) Ethyl Benzene	11.49	91	312885	17.139	ug/l	98
68) m/p-Xylenes	11.60	106	231857	35.021	ug/l	99
69) o-Xylene	11.92	106	109127	17.058	ug/l	99
70) Styrene	11.94	104	189564	17.609	ug/l	98
71) Bromoform	12.10	173	49886	18.185	ug/l #	97
73) Isopropylbenzene	12.23	105	286537	17.128	ug/l	99
74) N-amyl acetate	12.05	43	125101	16.259	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	99188	19.304	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	95195m	18.667	ug/l	
77) Bromobenzene	12.50	156	73769	18.062	ug/l	96
78) n-propylbenzene	12.57	91	340799	17.869	ug/l	98
79) 2-Chlorotoluene	12.65	91	212140	17.537	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	239840	17.379	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	31920	17.477	ug/l	93
82) 4-Chlorotoluene	12.75	91	223857	17.671	ug/l	98
83) tert-Butylbenzene	12.97	119	188905	17.526	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	246680	17.781	ug/l	99
85) sec-Butylbenzene	13.15	105	245672	17.997	ug/l	99
86) p-Isopropyltoluene	13.26	119	217941	17.750	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	124519	17.637	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	127443	17.467	ug/l	98
89) n-Butylbenzene	13.59	91	183877	17.417	ug/l	97
90) Hexachloroethane	13.85	117	45014	19.004	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	130053	19.150	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21101	20.626	ug/l	96

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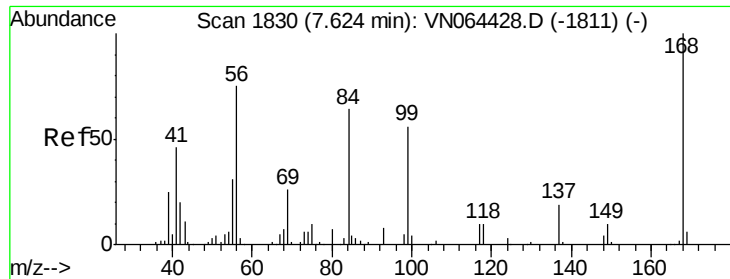
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	51038	16.971	ug/l	98
94) Hexachlorobutadiene	14.98	225	27962	20.223	ug/l	98
95) Naphthalene	15.10	128	152903	15.909	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	54104	18.415	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

Tot Ion:168 Resp: 283518

Ion Ratio Lower Upper

168 100

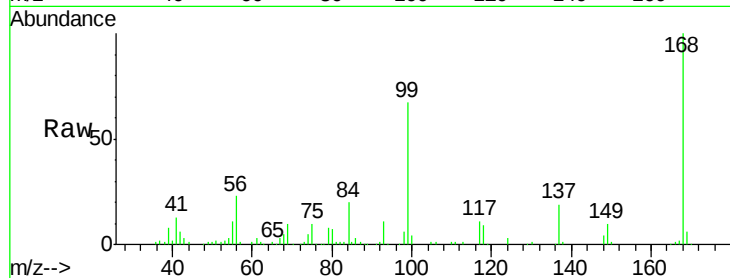
99 66.3 53.4 80.2

Manual Integrations

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11/13/2020 11:42:16 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

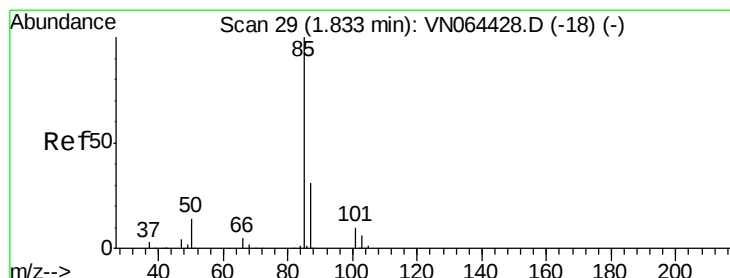
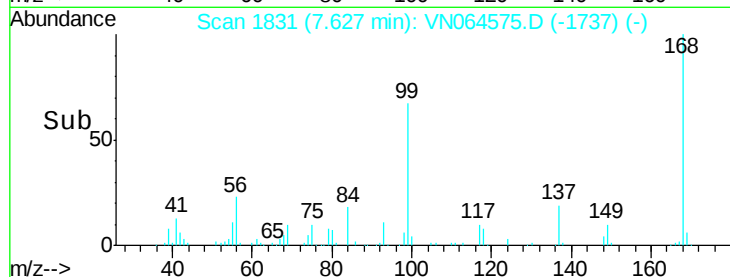
7.63

100000

50000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 17.364 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064575.D

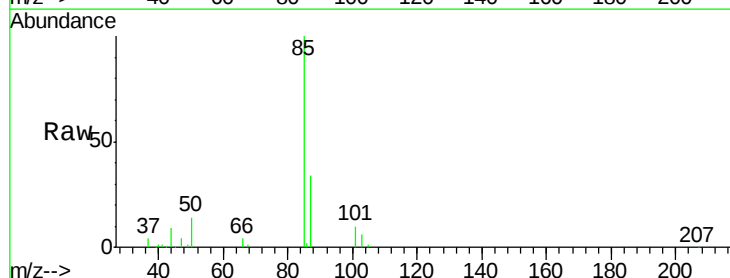
Acq: 12 Nov 2020 12:46

Tgt Ion: 85 Resp: 64086

Ion Ratio Lower Upper

85 100

87 33.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

50000

40000

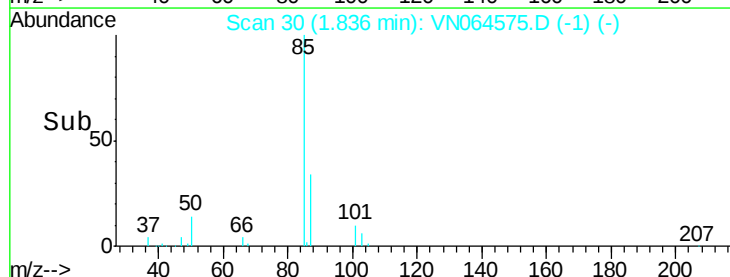
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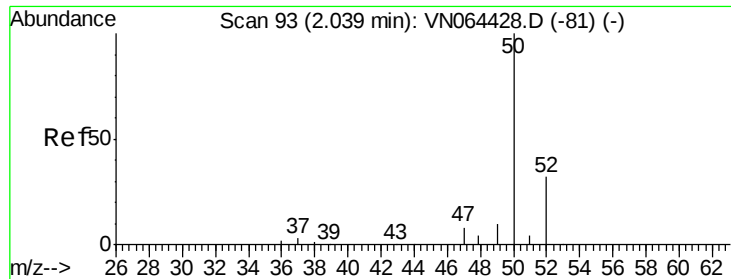
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 17.226 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

Tot Ion: 50 Resp: 77222

Ion Ratio Lower Upper

50 100

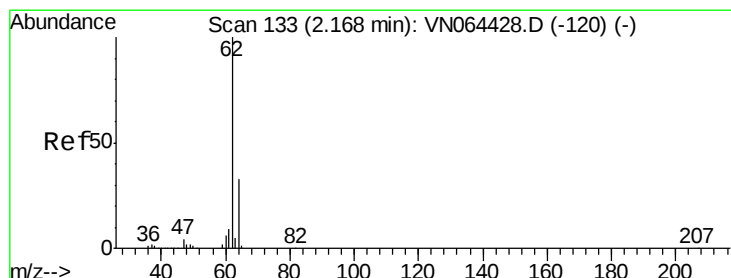
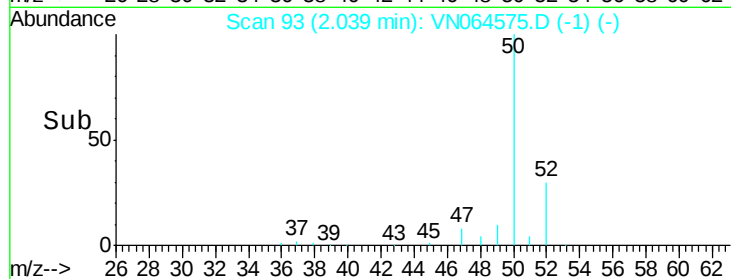
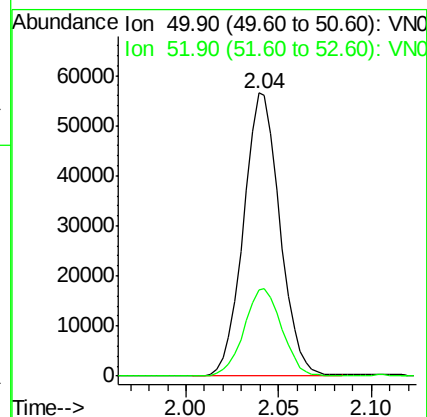
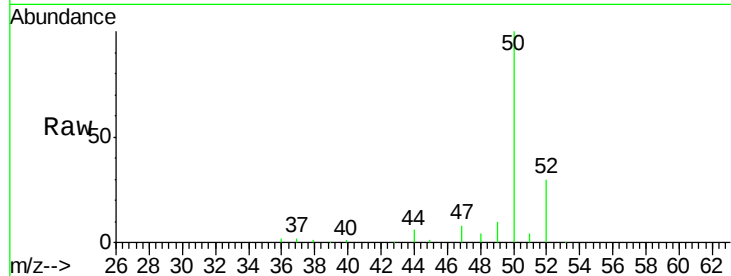
52 30.3 25.3 37.9

Manual Integrations

APPROVED

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11/13/2020 11:42:16 AM



#4

Vinyl Chloride

Concen: 17.520 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064575.D

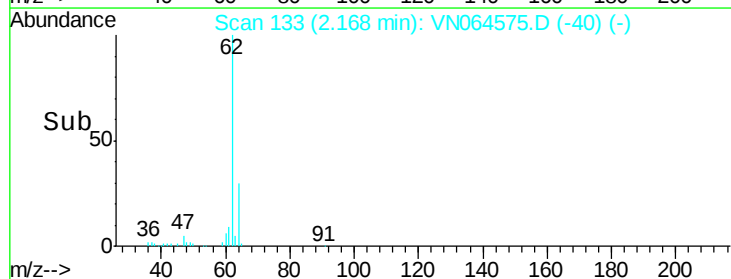
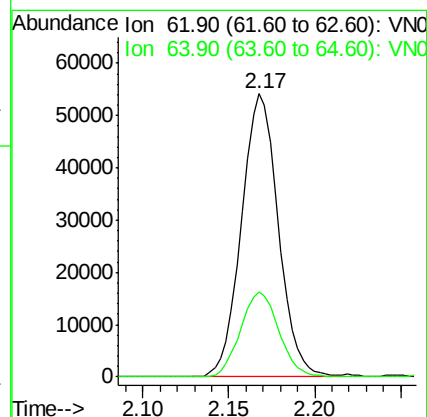
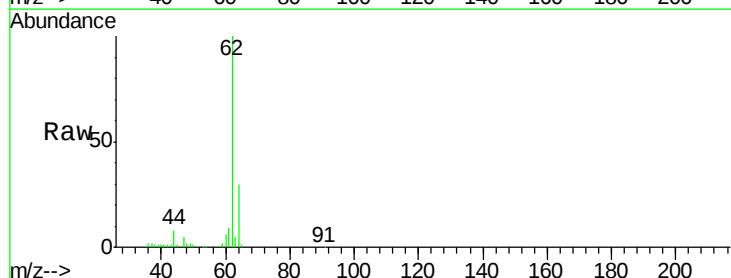
Acq: 12 Nov 2020 12:46

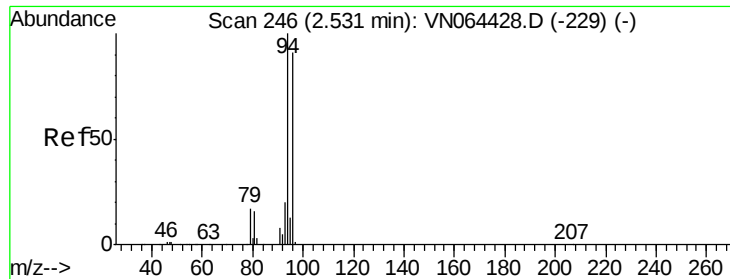
Tgt Ion: 62 Resp: 80652

Ion Ratio Lower Upper

62 100

64 30.0 26.3 39.5





#5

Bromomethane

Concen: 19.235 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Instrument :

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ClientSampleId :

VN1112WBSD01

Tot Ion: 94 Resp: 56569

Ion Ratio Lower Upper

94 100

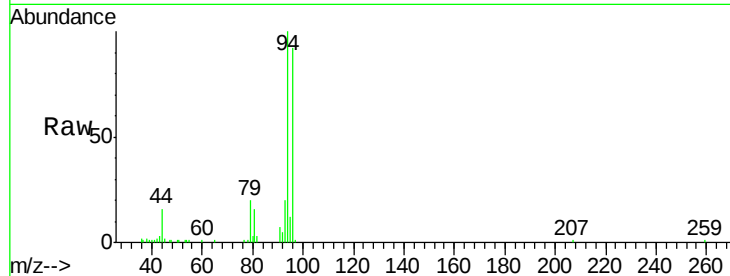
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Manual Integrations

APPROVED

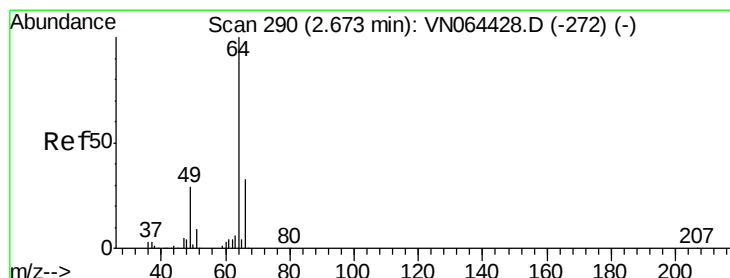
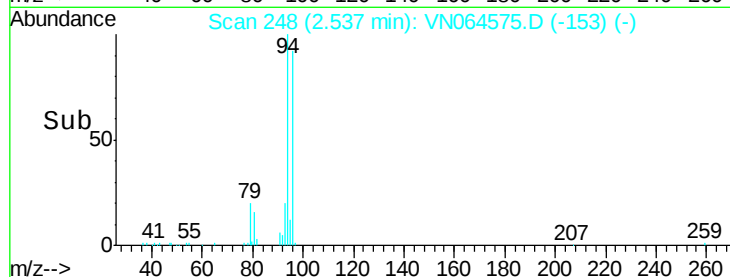
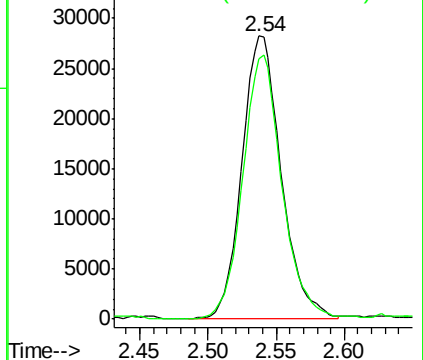
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11/13/2020 11:42:16 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.671 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064575.D

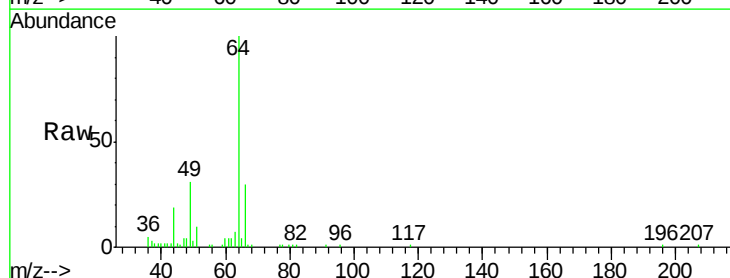
Acq: 12 Nov 2020 12:46

Tgt Ion: 64 Resp: 55031

Ion Ratio Lower Upper

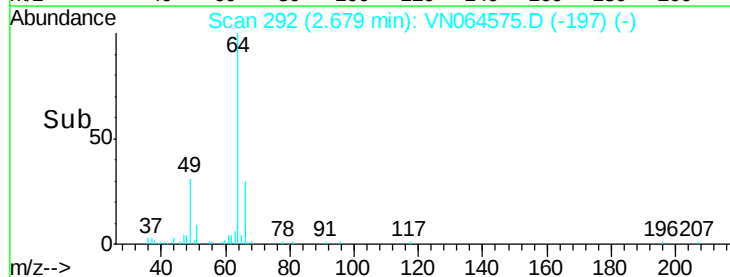
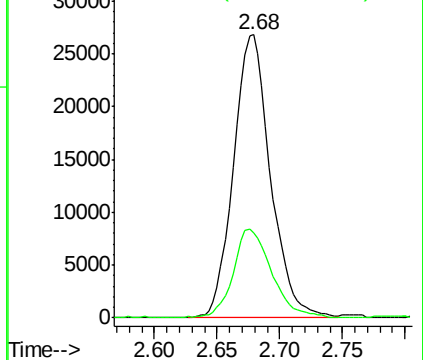
64 100

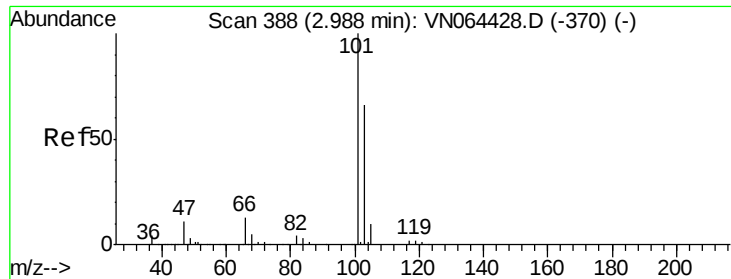
66 30.2 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

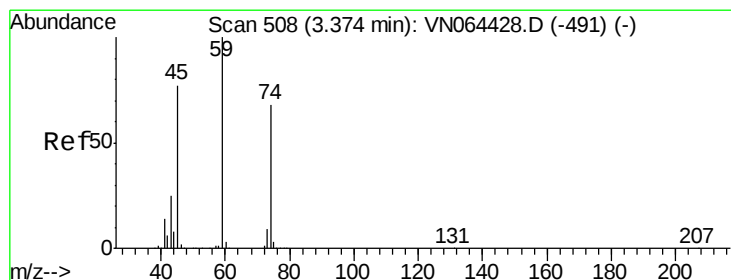
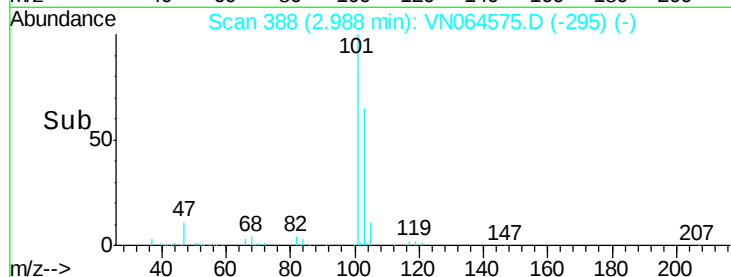
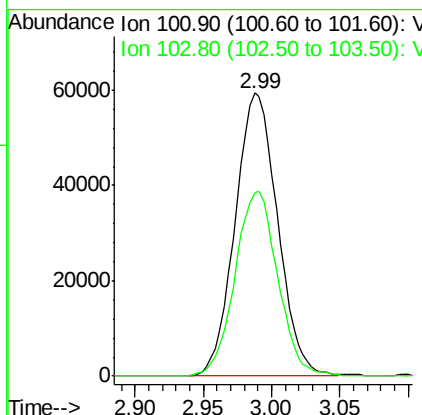
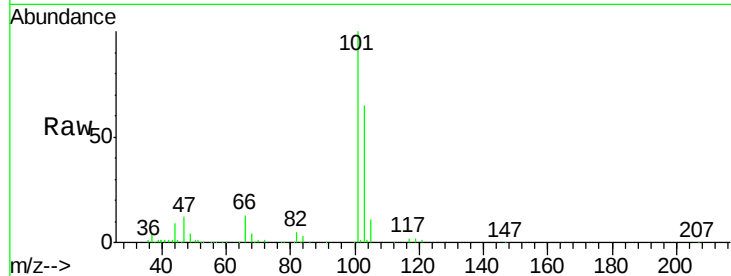
Trichlorofluoromethane
Concen: 18.982 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.4	78.6

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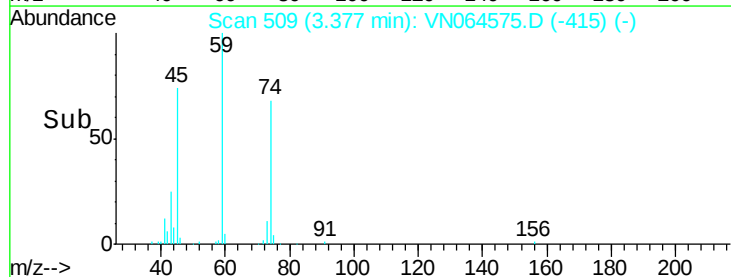
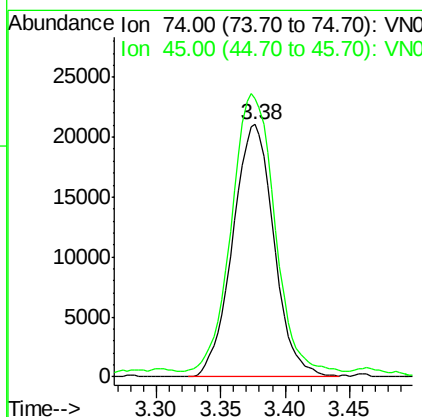
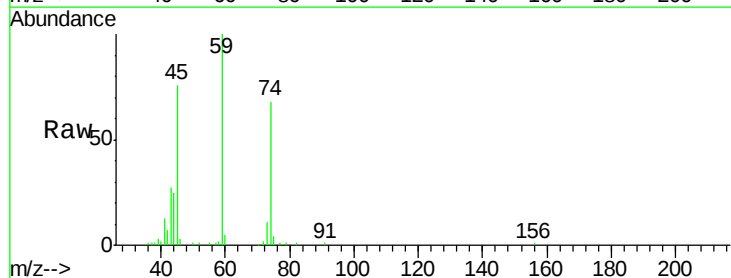
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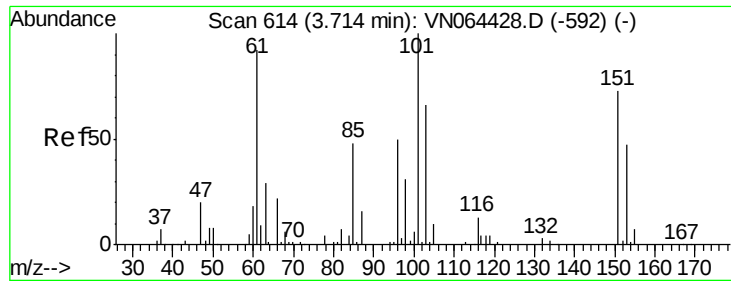


#8

Diethyl Ether
Concen: 19.612 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.9	55.9	167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.521 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Instrument :

MSVOA_N

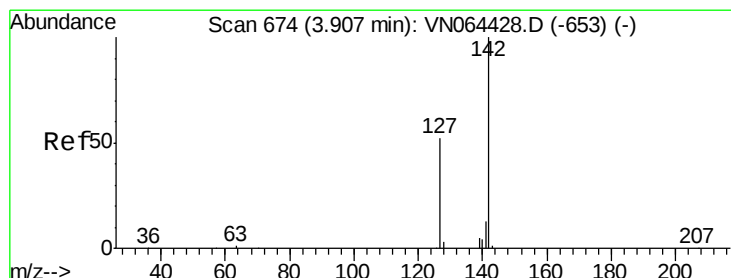
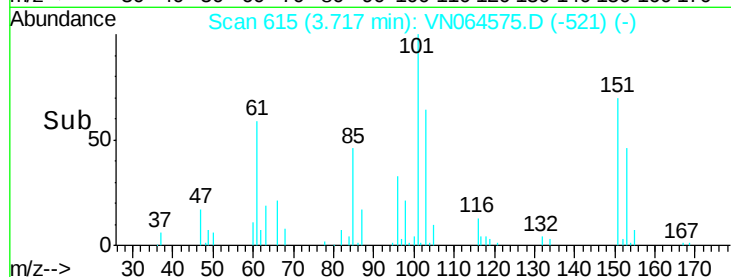
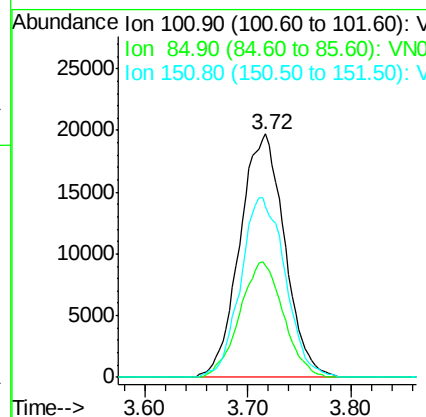
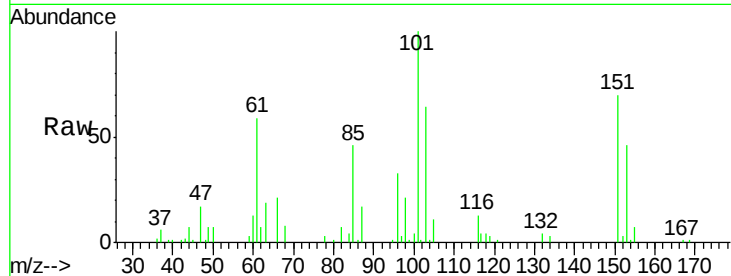
ClientSampleId :

VN1112WBSD01

Tot Ion:	101	Resp:	59617
Ion Ratio	Lower	Upper	
101	100		
85	46.0	38.6	57.8
151	73.4	57.5	86.3

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#10

Methyl Iodide

Concen: 17.900 ug/l

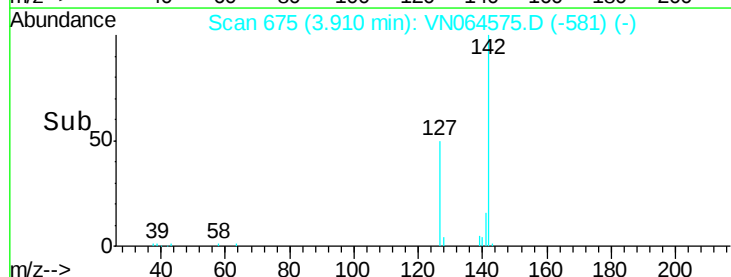
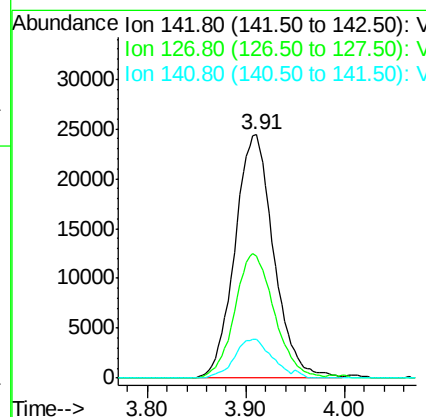
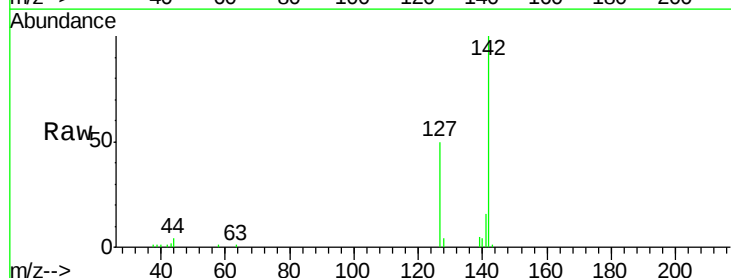
RT: 3.91 min Scan# 675

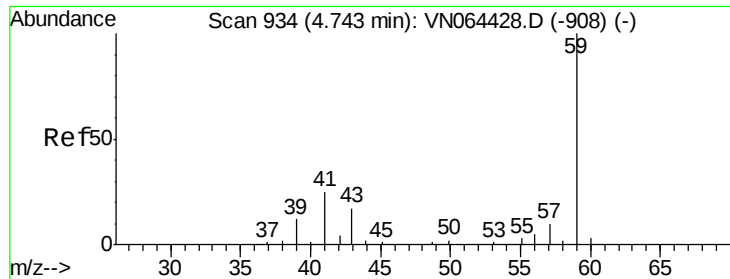
Delta R.T. 0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Tgt Ion:	142	Resp:	66952
Ion Ratio	Lower	Upper	
142	100		
127	52.2	41.8	62.8
141	15.2	11.4	17.2





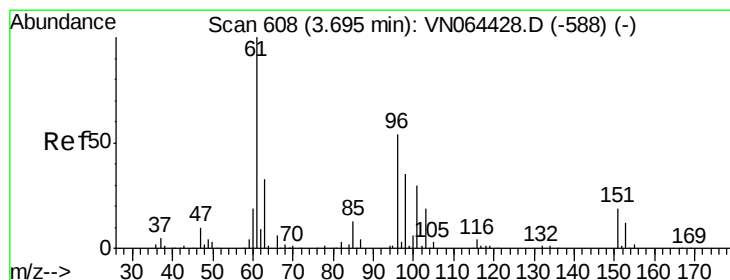
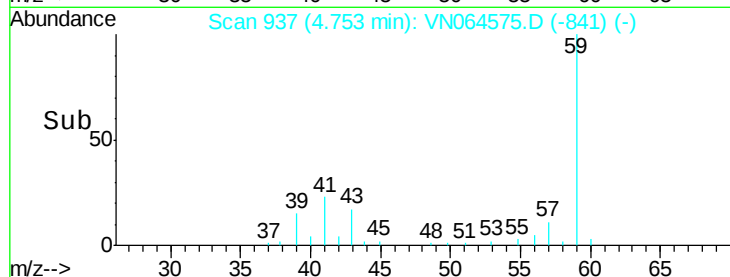
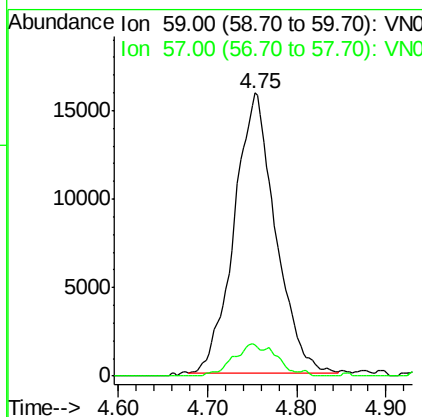
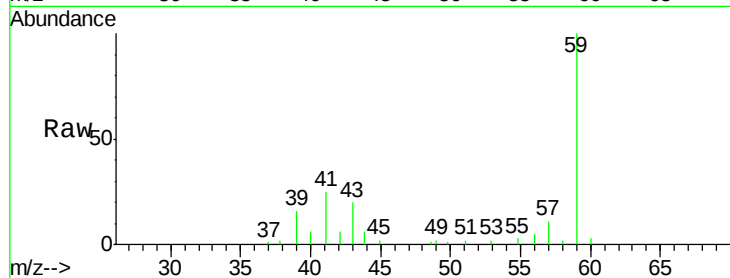
#11
Tert butyl alcohol
Concen: 93.012 ug/l
RT: 4.75 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	50655		
57	7.9		9.0	13.4#

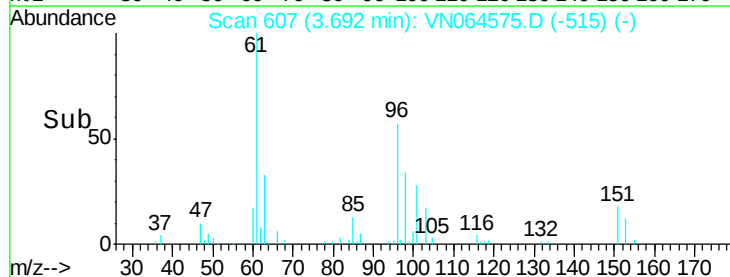
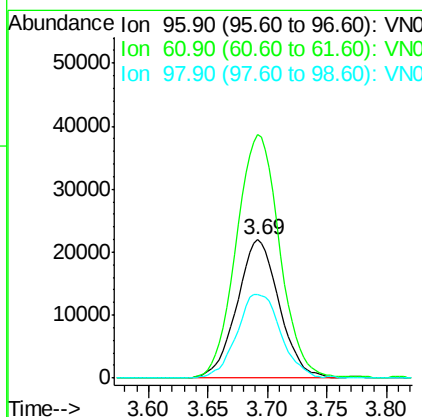
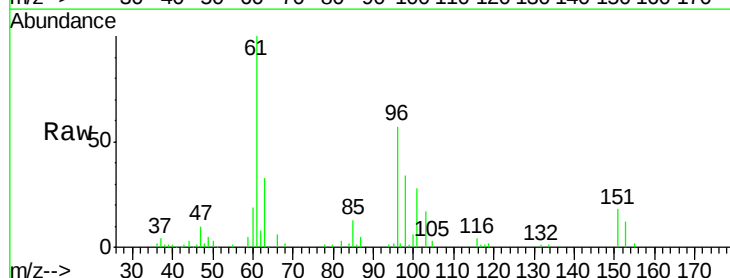
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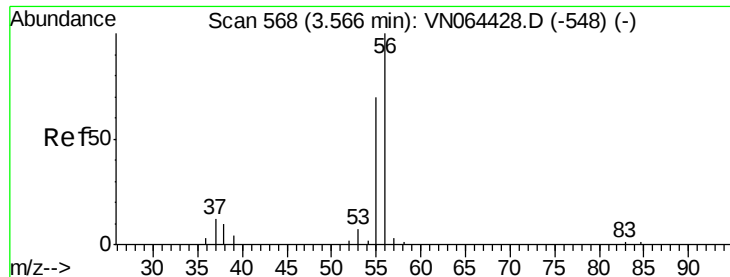
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#12
1,1-Dichloroethene
Concen: 17.816 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	54020		
61	175.8		149.5	224.3
98	60.0		52.4	78.6





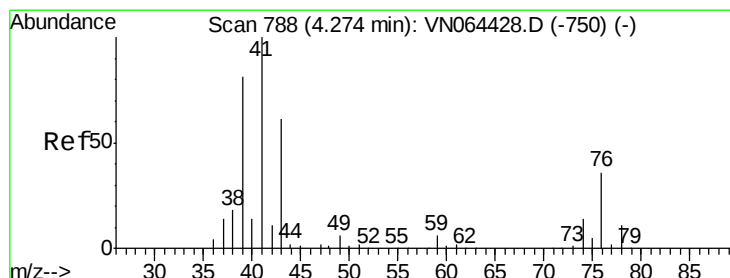
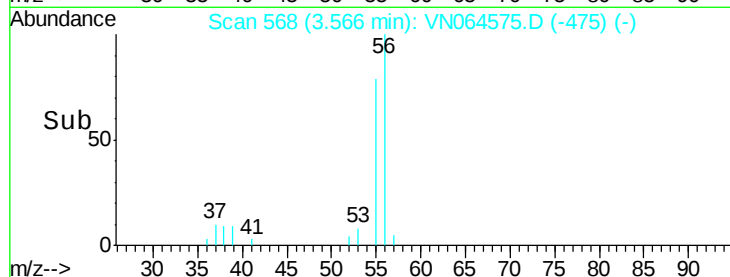
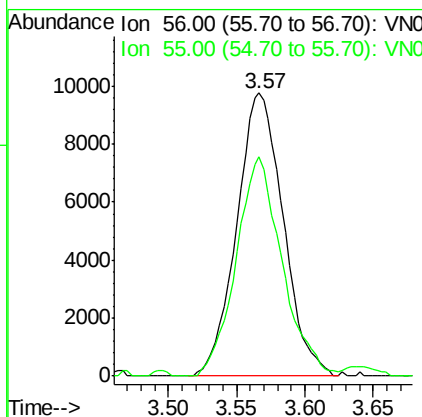
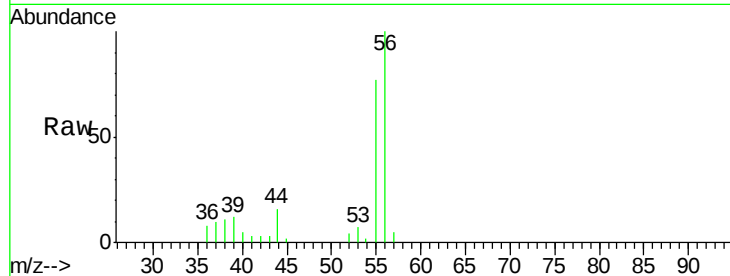
#13
Acrolein
Concen: 68.428 ug/l
RT: 3.57 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion	56	Resp	23116
Ion Ratio	Lower	Upper	
56	100		
55	76.4	55.9	83.9

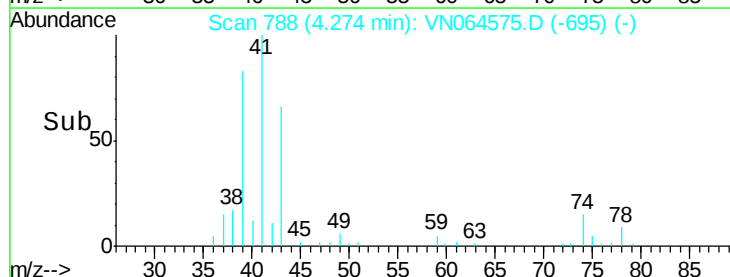
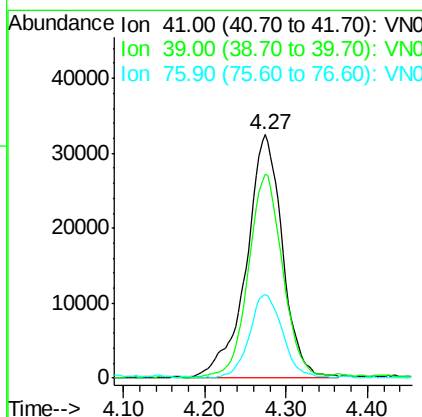
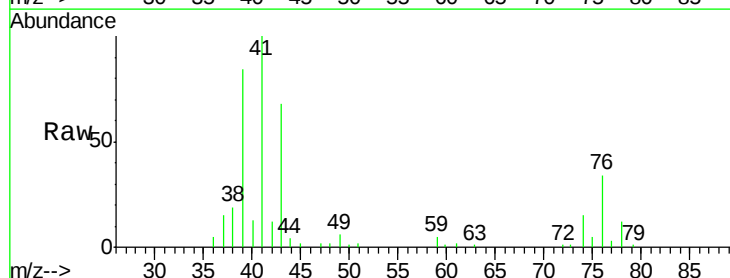
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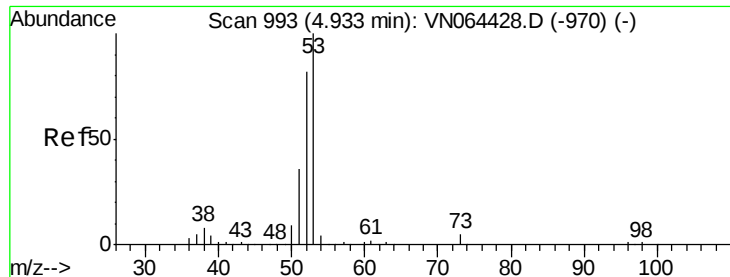
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#14
Allyl chloride
Concen: 16.797 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	41	Resp	99632
Ion Ratio	Lower	Upper	
41	100		
39	79.5	61.8	92.8
76	31.4	25.4	38.0





#15

Acrylonitrile

Concen: 101.540 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Instrument :

MSVOA_N

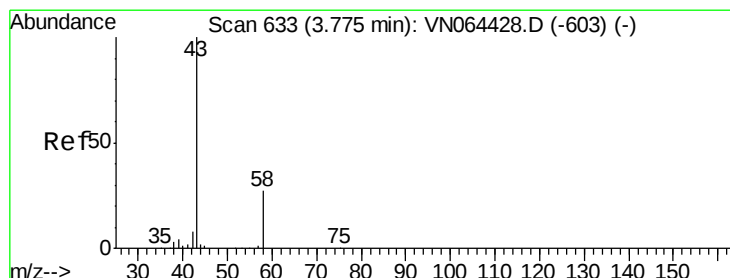
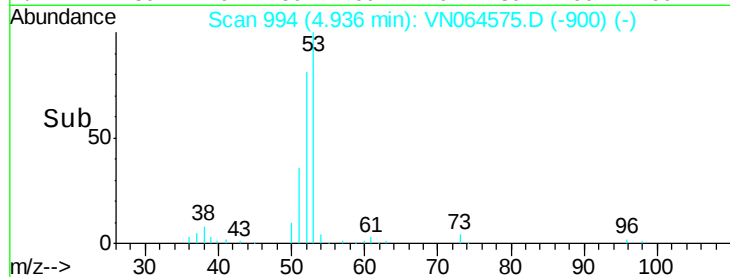
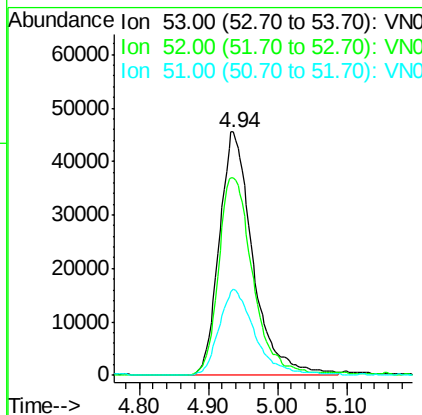
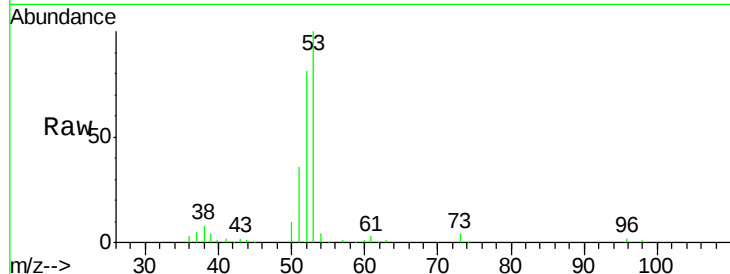
ClientSampleId :

VN1112WBSD01

Tot Ion:	53	Resp:	153960
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.6	98.4
51	37.4	29.9	44.9

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#16

Acetone

Concen: 84.892 ug/l

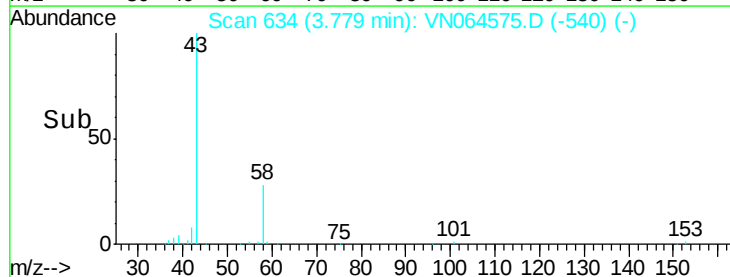
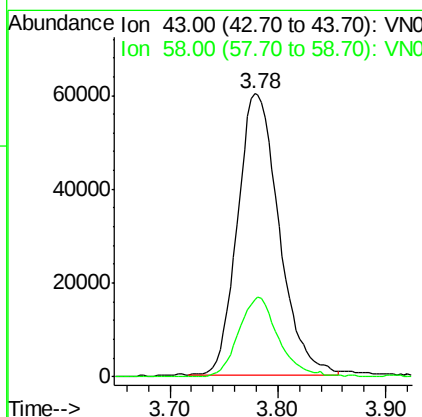
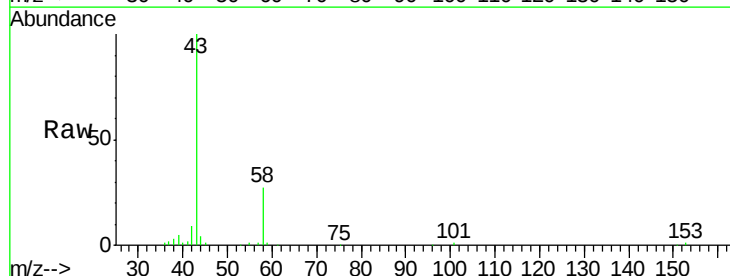
RT: 3.78 min Scan# 634

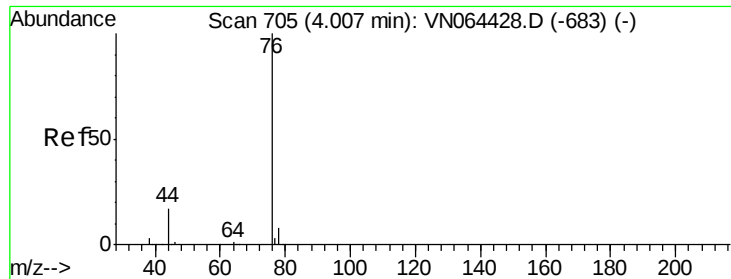
Delta R.T. 0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Tgt Ion:	43	Resp:	159694
Ion	Ratio	Lower	Upper
43	100		
58	27.5	21.4	32.0





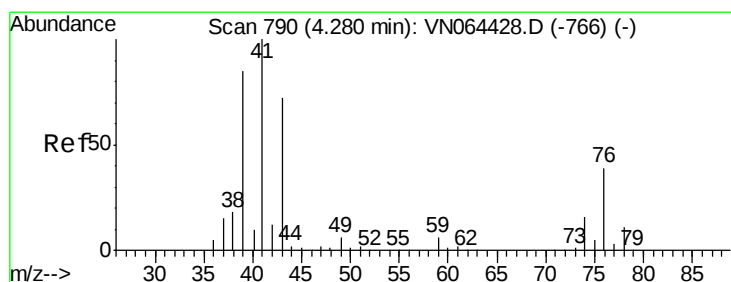
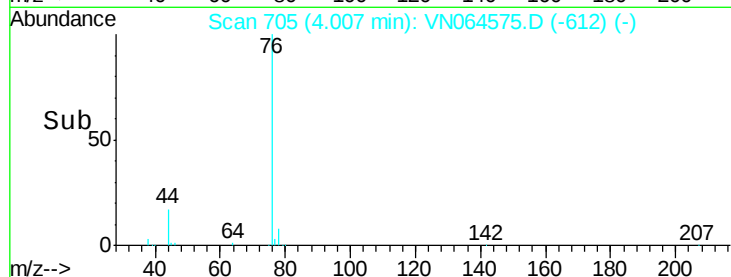
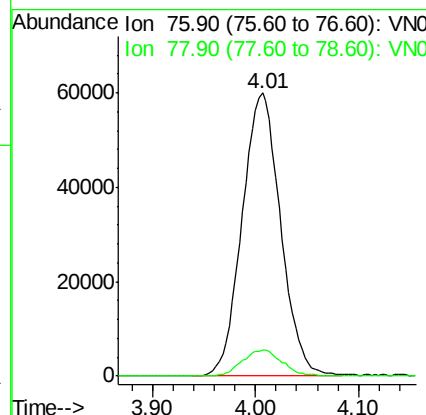
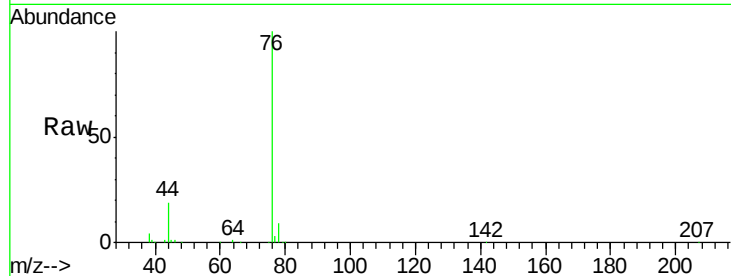
#17
Carbon Disulfide
Concen: 17.152 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

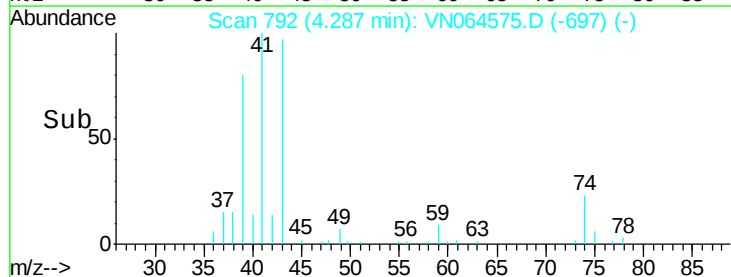
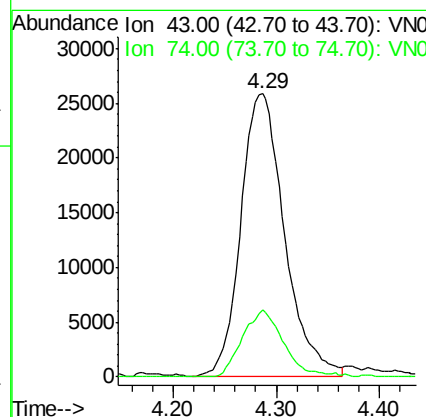
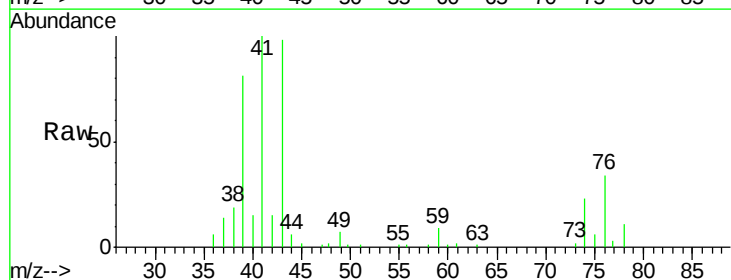
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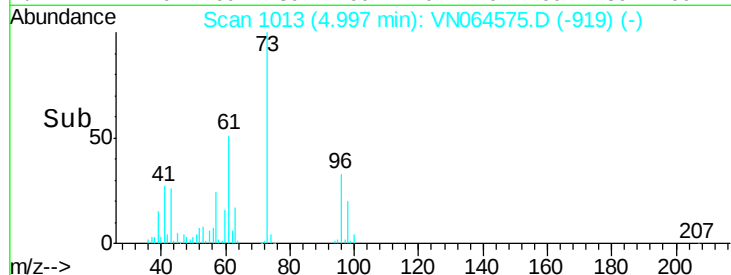
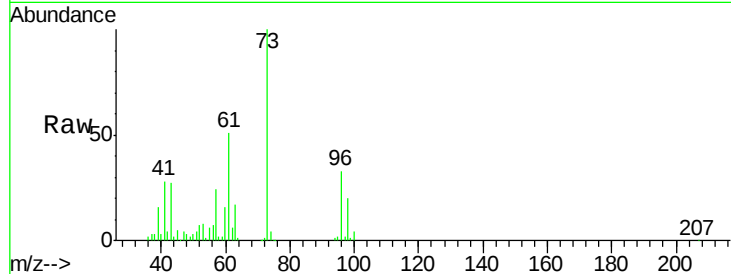
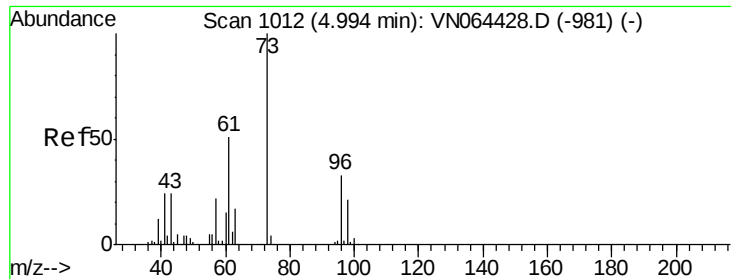
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#18
Methyl Acetate
Concen: 20.656 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.0	25.4





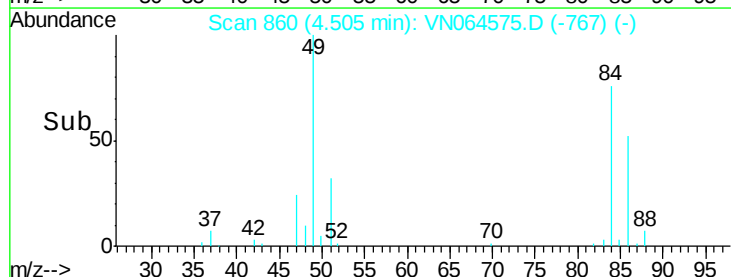
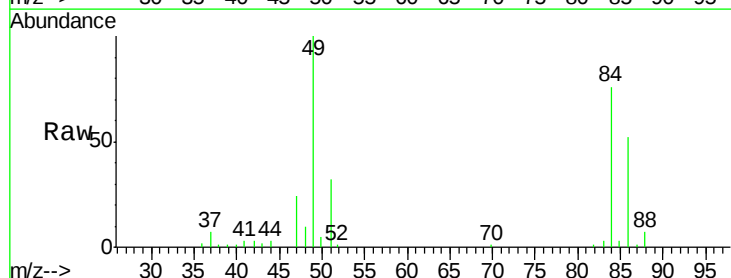
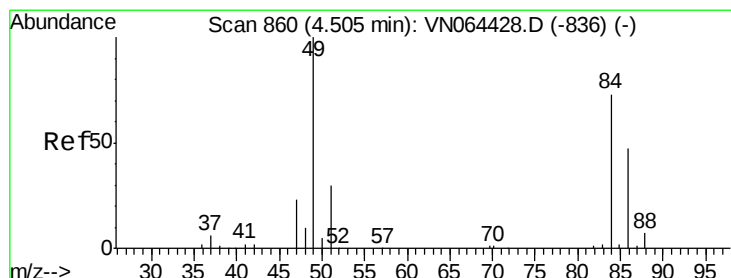
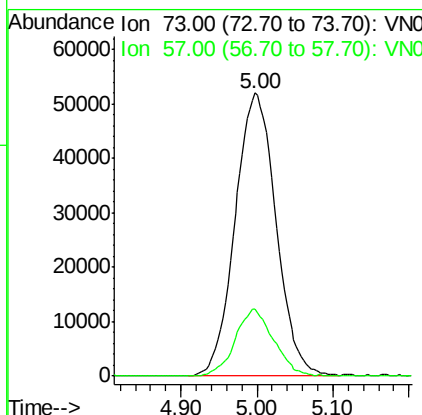
#19
Methvl tert-butvl Ether
Concen: 17.821 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tot Ion: 73 Resp: 194486
Ion Ratio Lower Upper
73 100
57 23.6 17.7 26.5

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

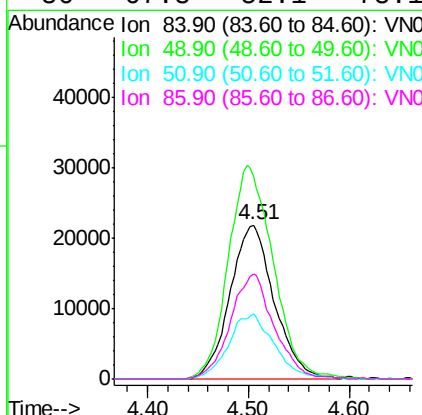
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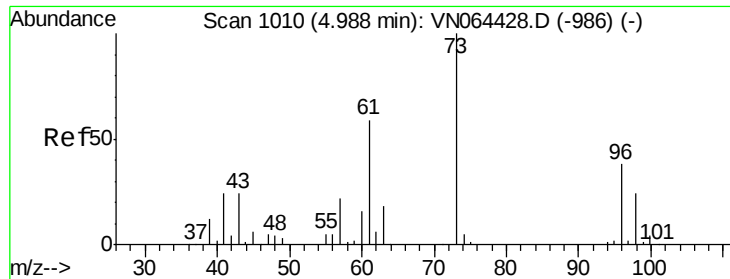
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#20
Methylene Chloride
Concen: 17.765 ug/l
RT: 4.51 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion: 84 Resp: 66306
Ion Ratio Lower Upper
84 100
49 131.0 110.1 165.1
51 42.6 33.6 50.4
86 67.8 52.1 78.1





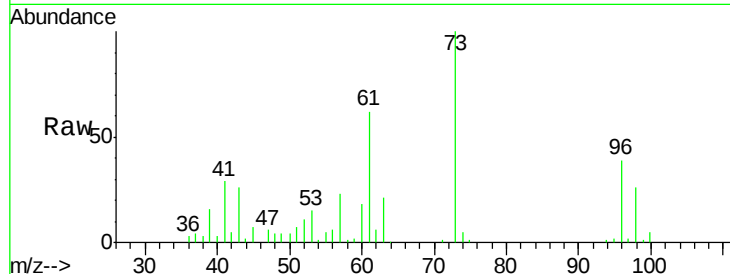
#21
trans-1,2-Dichloroethene
Concen: 17.688 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.5	122.4	183.6
98	66.1	50.4	75.6

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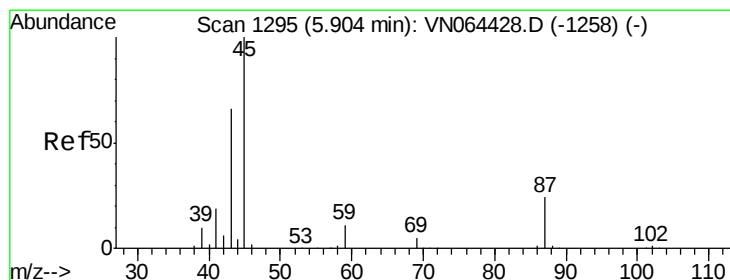
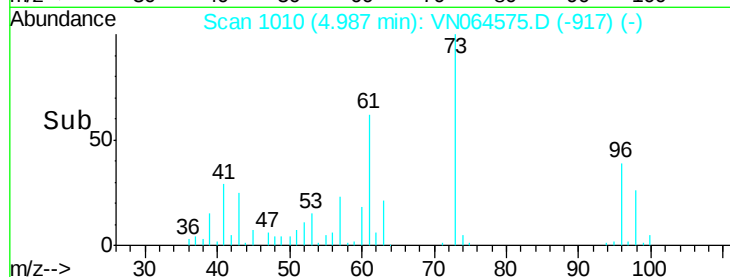
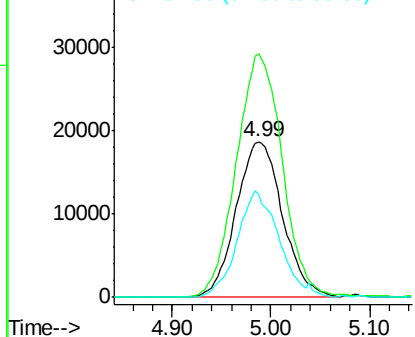


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 17.708 ug/l
RT: 5.91 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.5	53.2	79.8
87	27.2	19.9	29.9
59	11.0	8.6	13.0

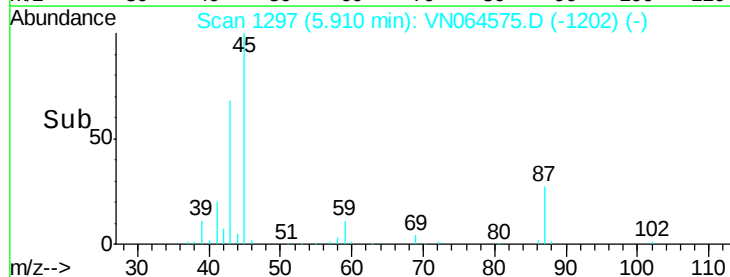
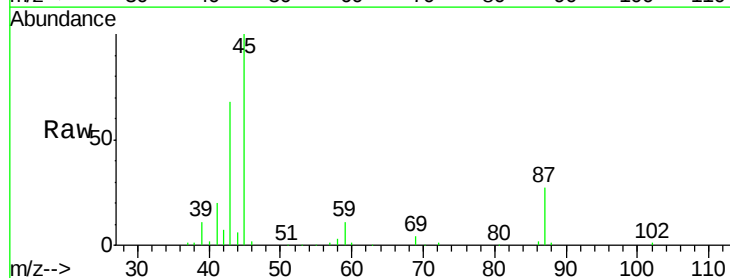
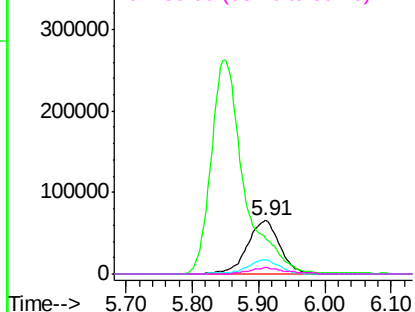
Abundance

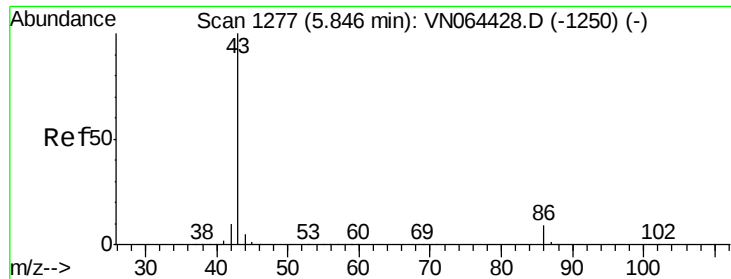
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





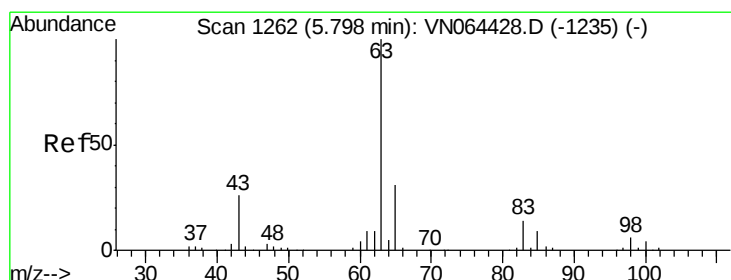
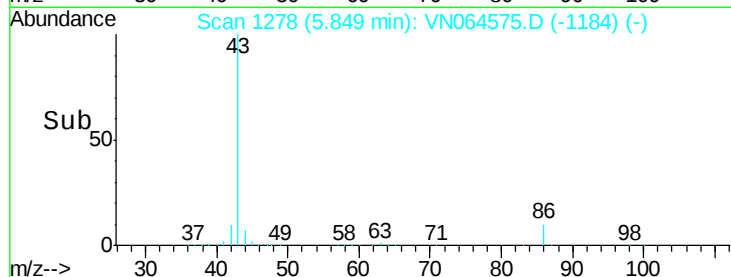
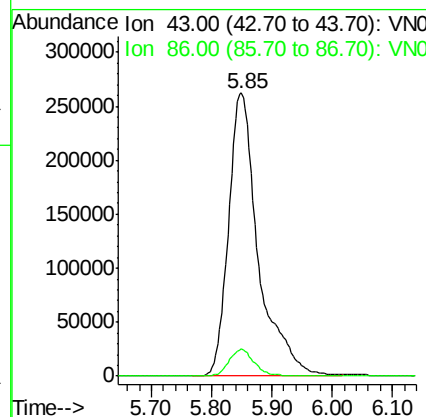
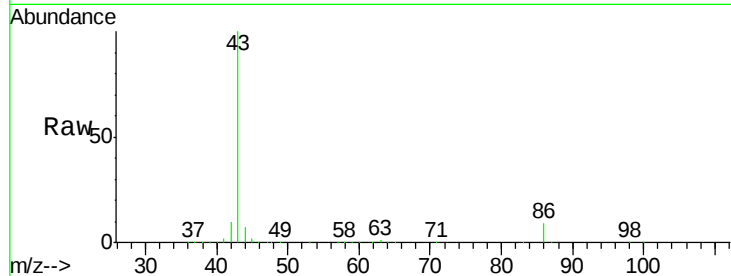
#23
 Vinyl Acetate
 Concen: 88.439 ug/l
 RT: 5.85 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.5	6.8	10.2

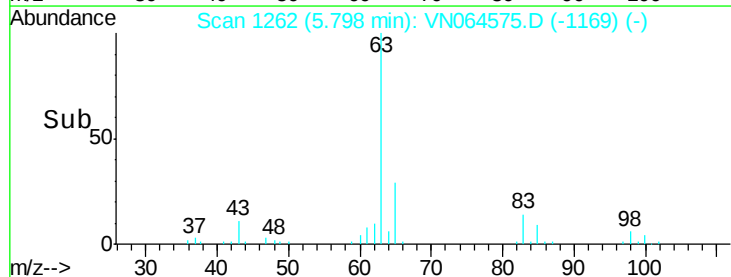
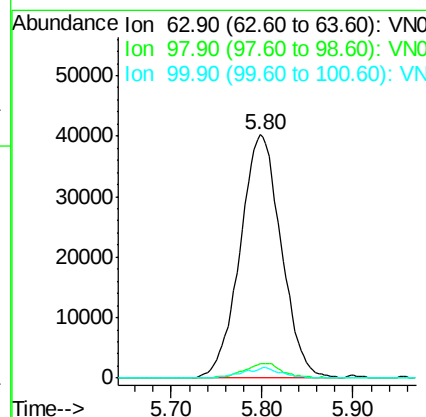
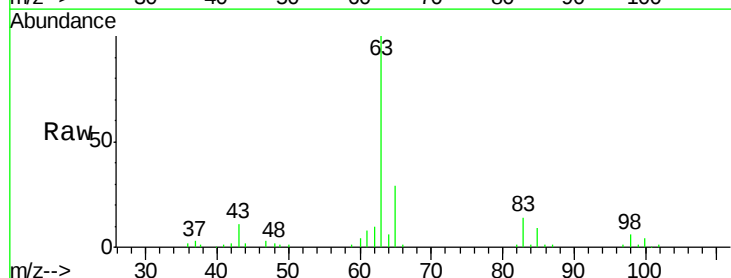
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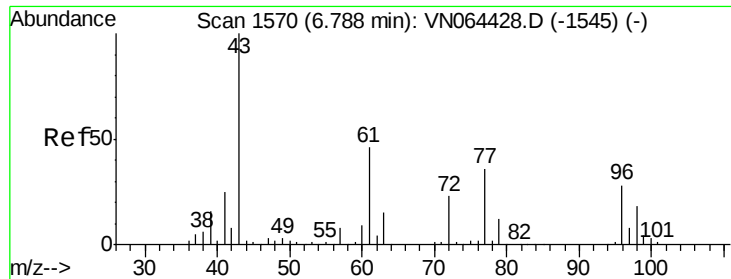
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#24
 1,1-Dichloroethane
 Concen: 18.215 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.0	9.2
100	4.1	1.8	5.3





#25

2-Butanone

Concen: 90.574 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

Tot Ion: 43 Resp: 217091

Ion Ratio Lower Upper

43 100

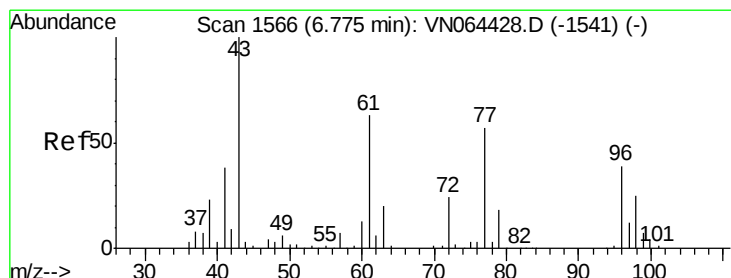
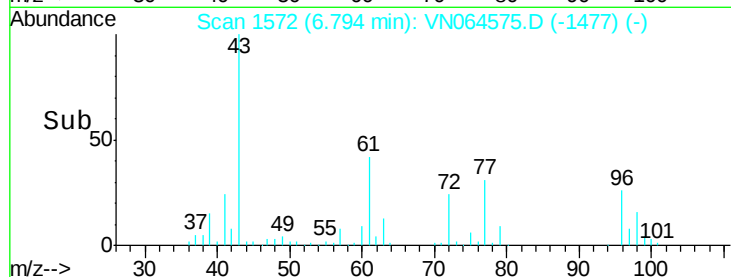
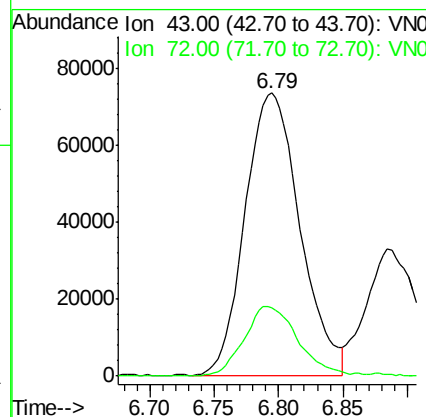
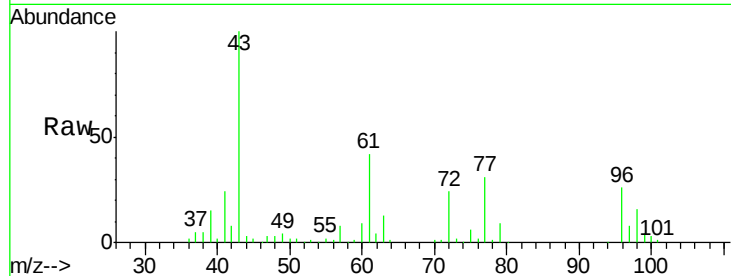
72 24.2 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.269 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064575.D

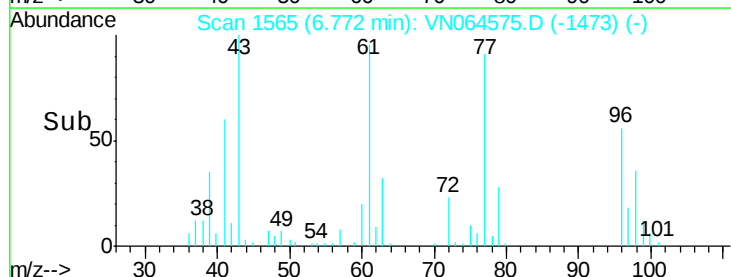
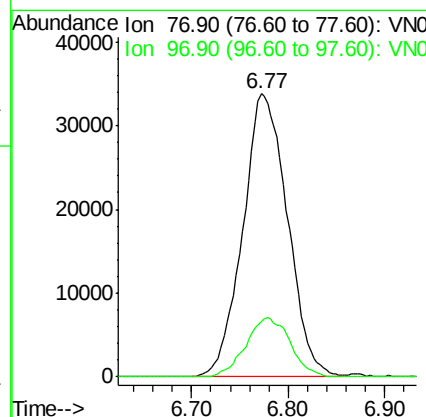
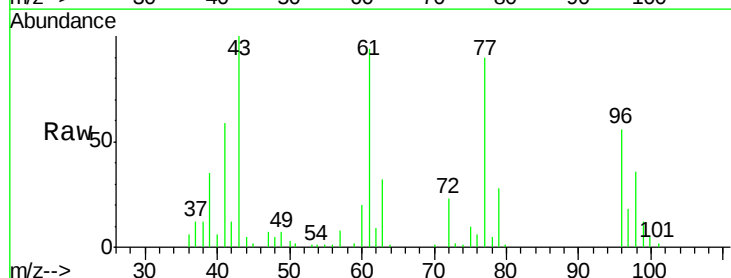
Acq: 12 Nov 2020 12:46

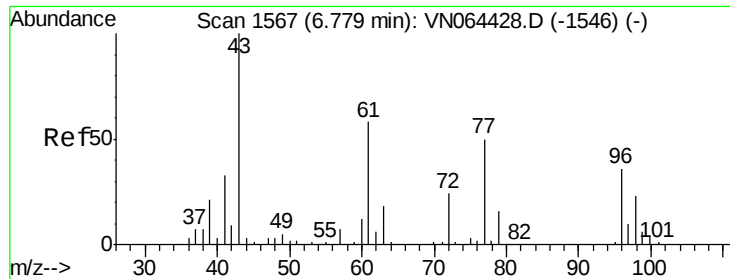
Tgt Ion: 77 Resp: 108160

Ion Ratio Lower Upper

77 100

97 20.9 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 17.443 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Instrument :

MSVOA_N

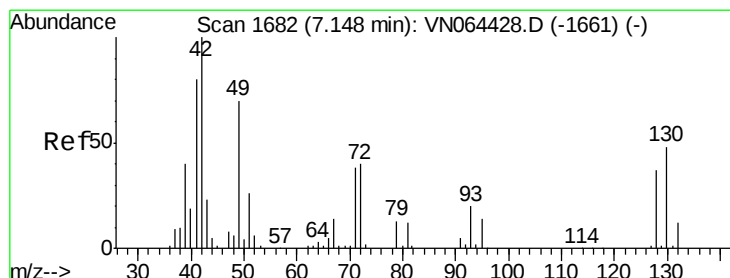
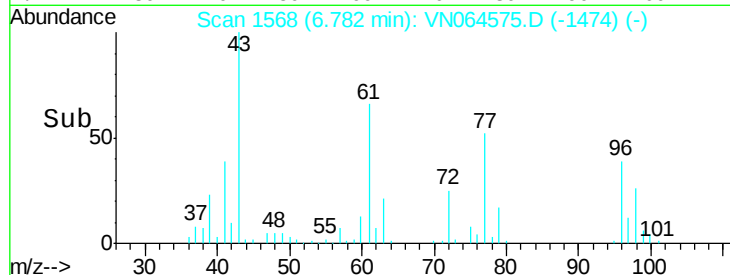
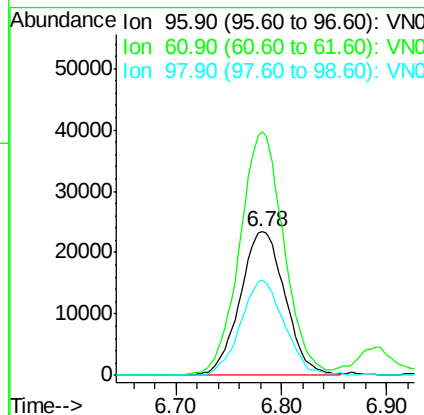
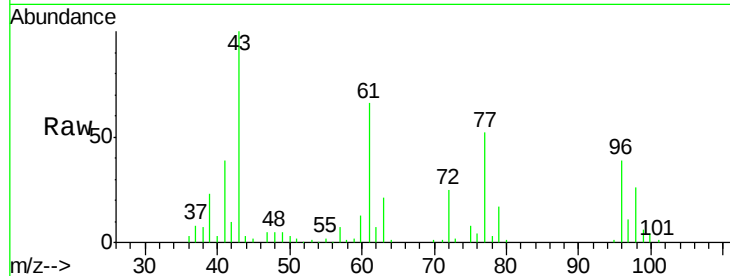
ClientSampleId :

VN1112WBSD01

Tot Ion:	96	Resp:	69586
Ion	Ratio	Lower	Upper
96	100		
61	166.2	0.0	329.6
98	64.0	0.0	131.2

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#28

Bromochloromethane

Concen: 17.966 ug/l

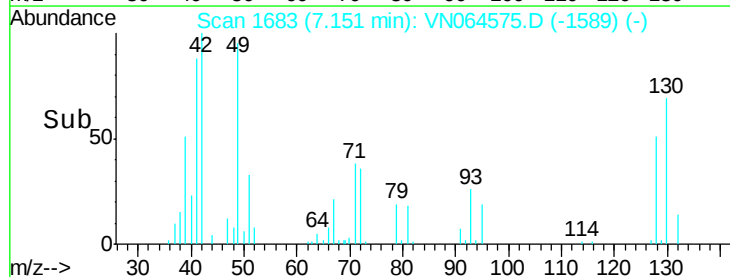
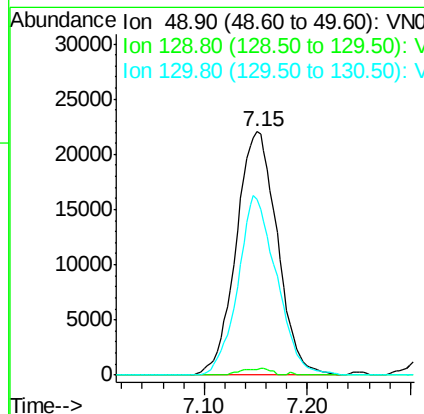
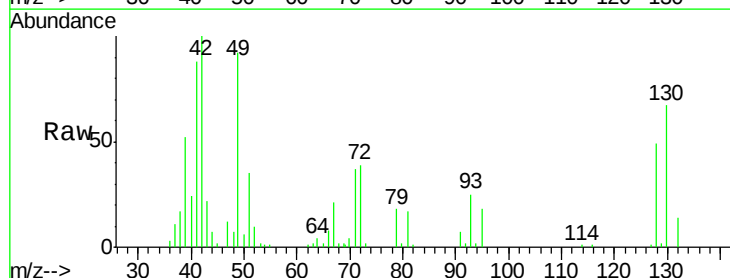
RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Tgt Ion:	49	Resp:	61099
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	69.3	54.2	81.4





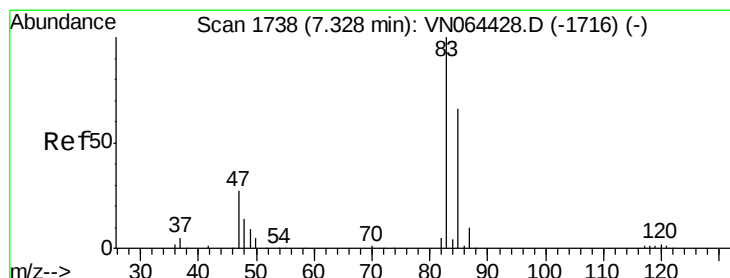
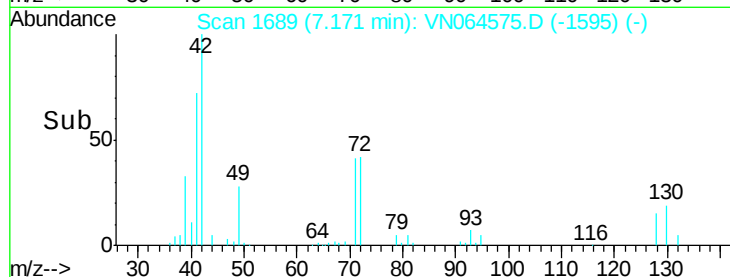
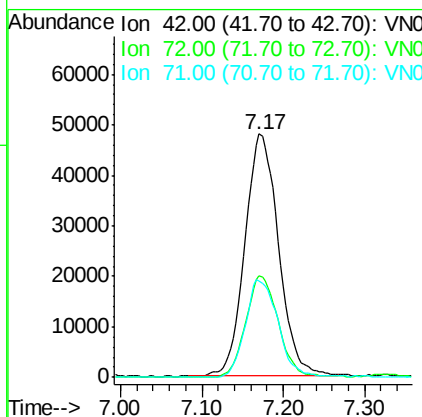
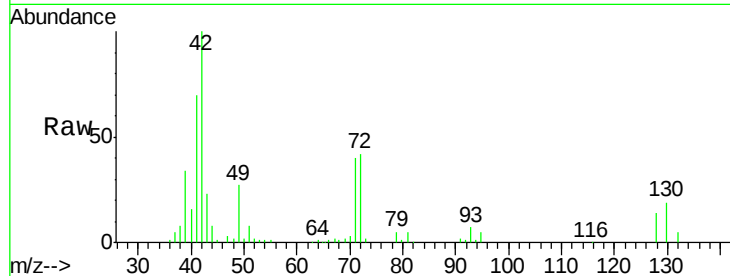
#29
Tetrahydrofuran
Concen: 92.941 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	31.7	47.5
71	39.4	29.8	44.6

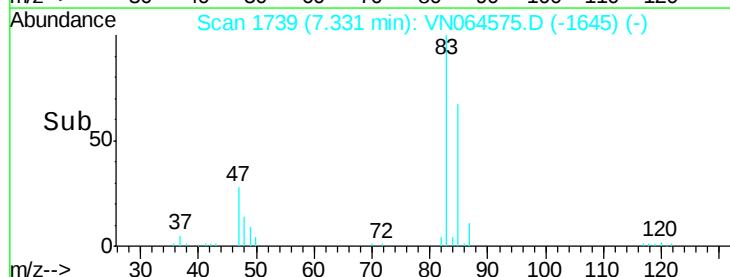
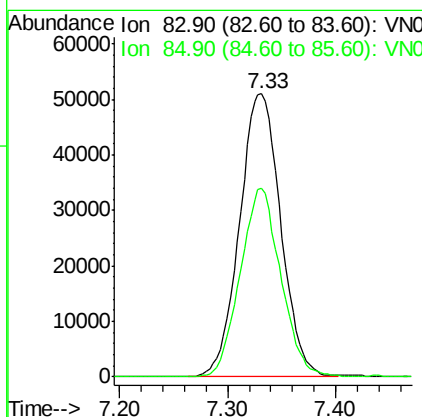
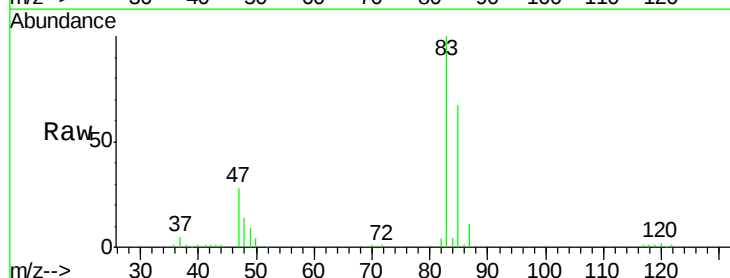
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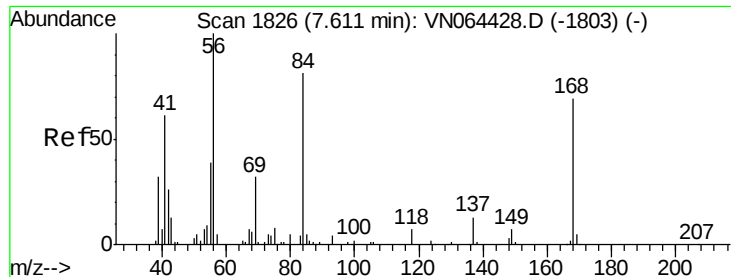
MMDadoda
11/13/2020 11:42:16 AM



#30
Chloroform
Concen: 18.632 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.5	78.7





#31

Cyclohexane

Concen: 15.914 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Instrument :

MSVOA_N

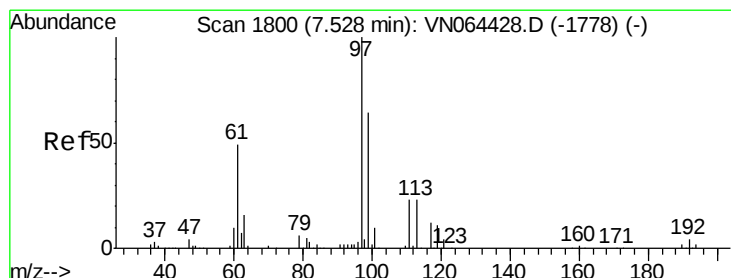
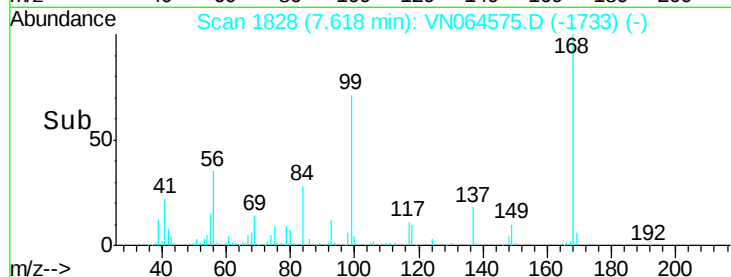
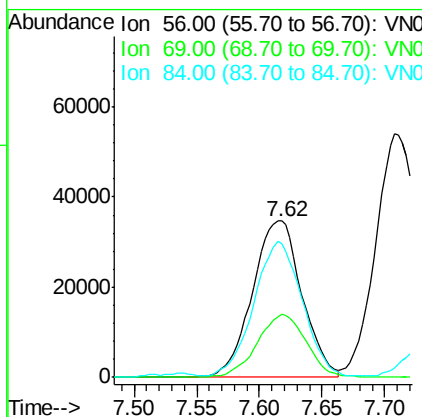
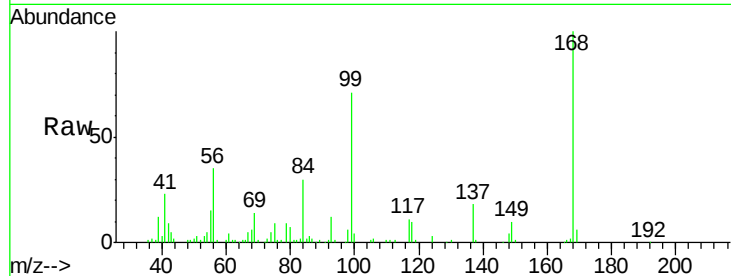
ClientSampleId :

VN1112WBSD01

Tot Ion:	56	Resp:	95533
Ion Ratio	Lower	Upper	
56	100		
69	40.0	25.6	38.4#
84	83.9	63.0	94.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.289 ug/l

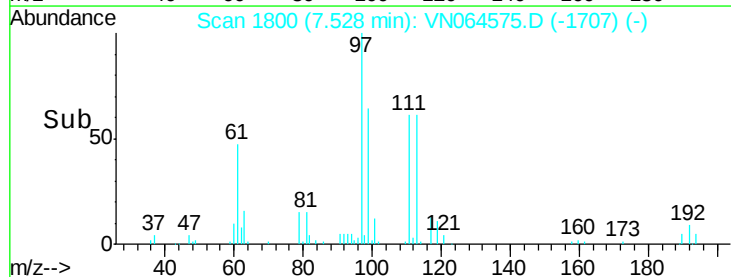
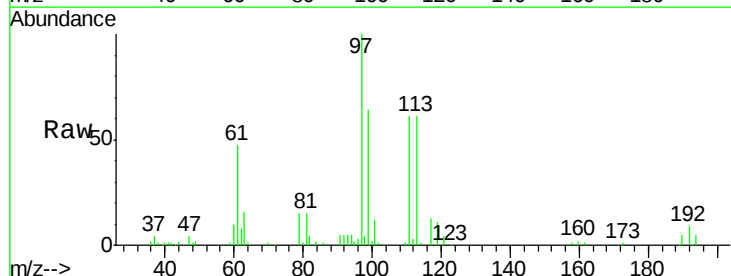
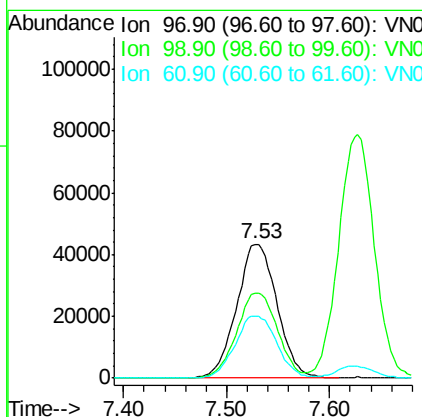
RT: 7.53 min Scan# 1800

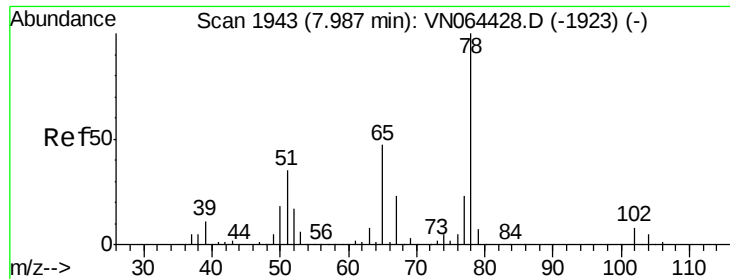
Delta R.T. -0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Tgt Ion:	97	Resp:	117973
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.3	76.9
61	47.8	39.1	58.7





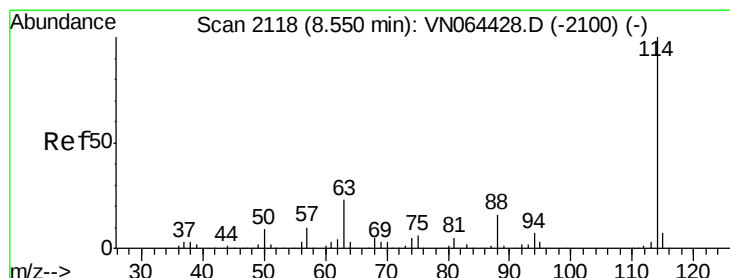
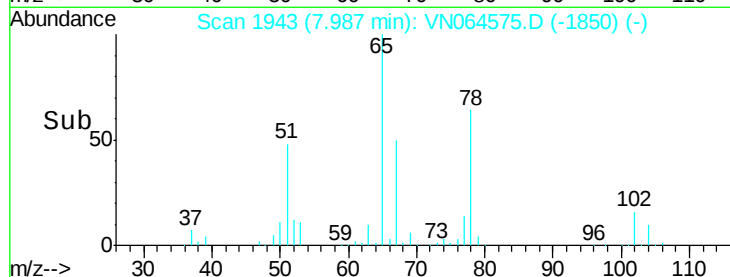
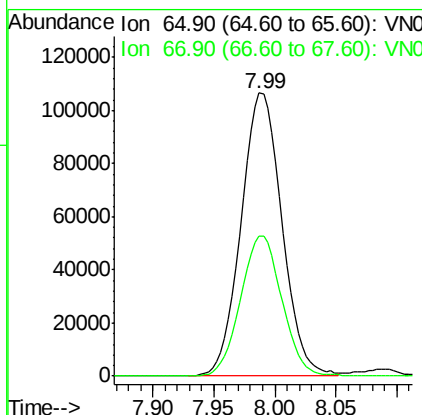
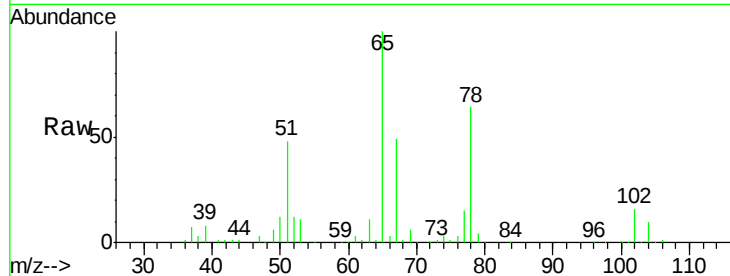
#33
 1,2-Dichloroethane-d4
 Concen: 50.034 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	247090		
67	49.9	0.0	101.6	

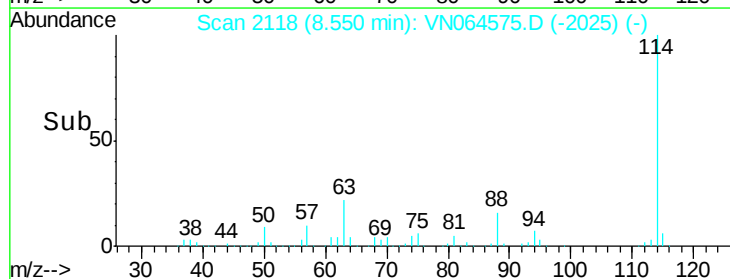
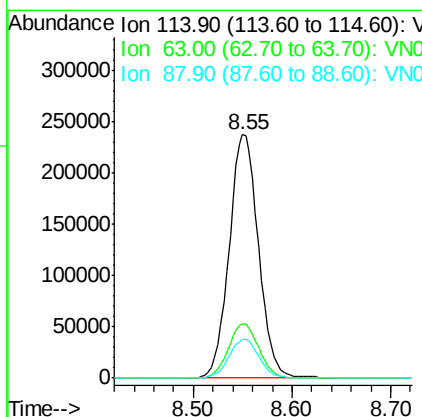
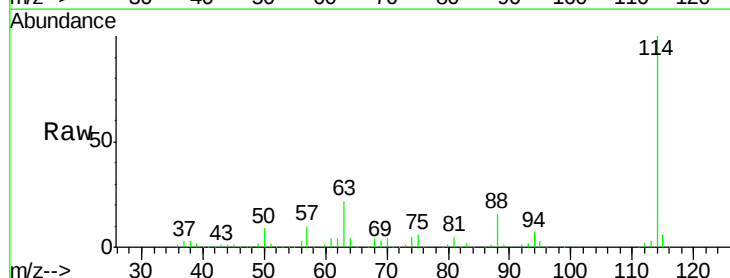
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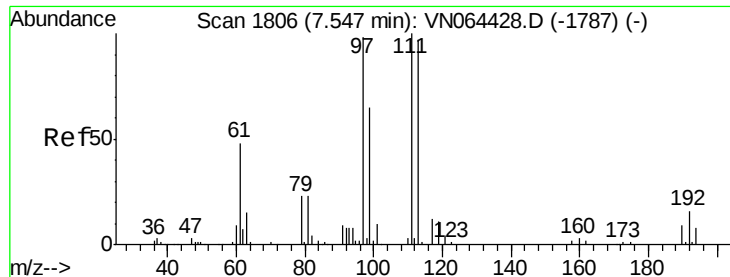
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	491997		
63	22.5	0.0	45.6	
88	15.8	0.0	32.8	





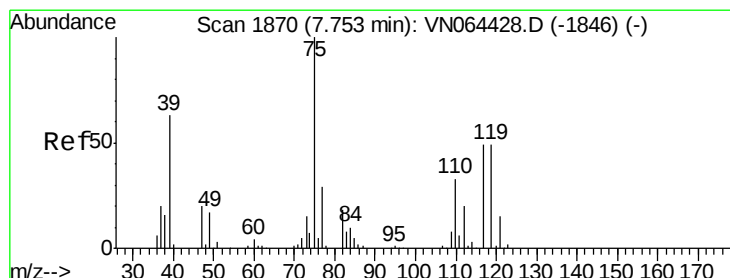
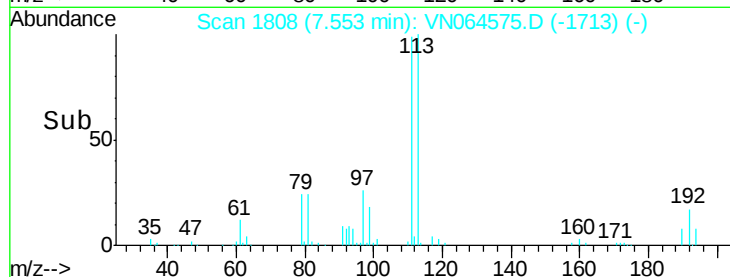
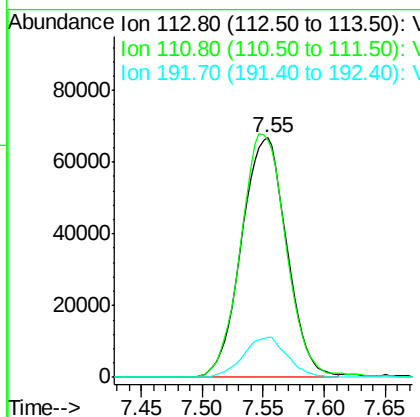
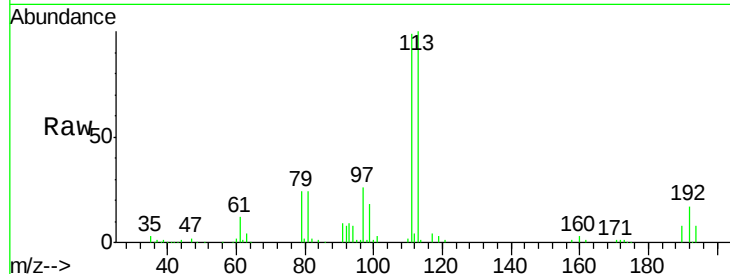
#35
Dibromofluoromethane
Concen: 51.265 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	171729		
111	102.1	81.1	121.7	
192	16.2	12.8	19.2	

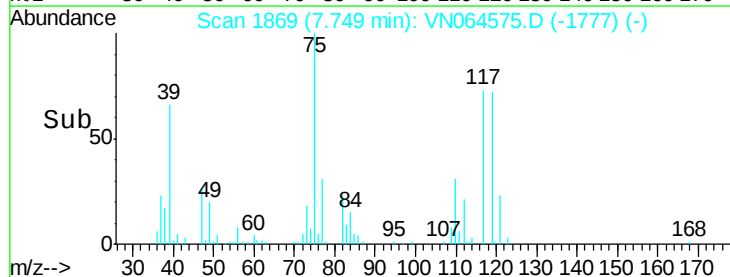
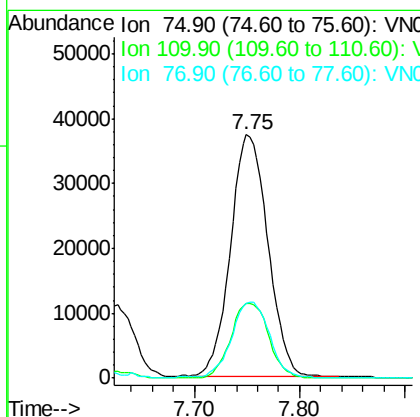
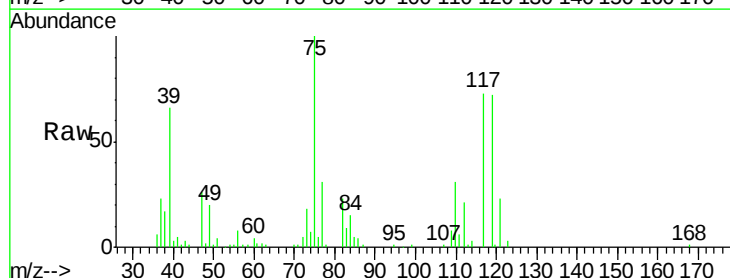
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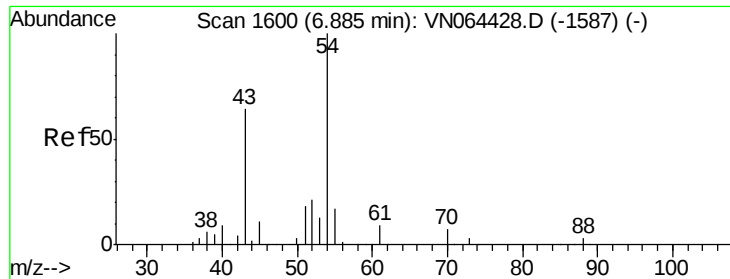
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#36
1,1-Dichloropropene
Concen: 17.706 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	92028		
110	31.0	16.0	48.0	
77	32.0	24.0	36.0	





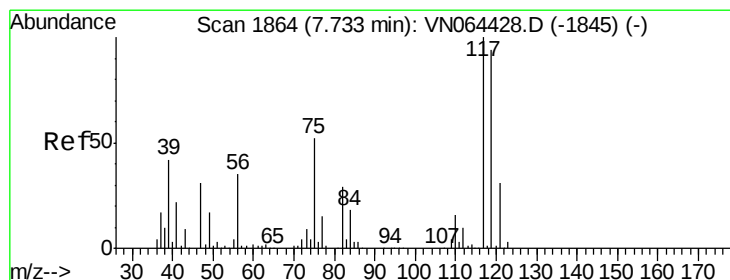
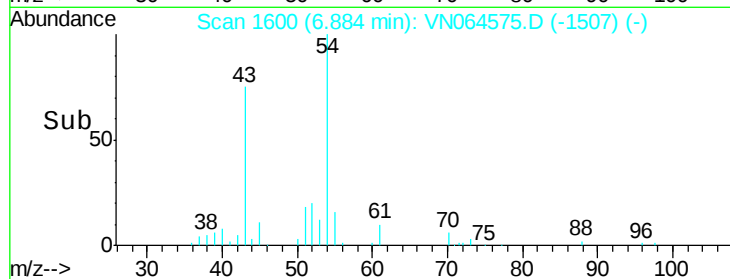
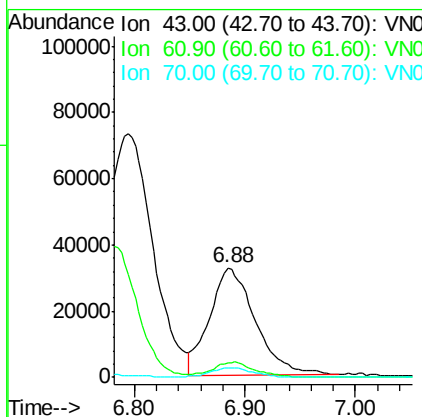
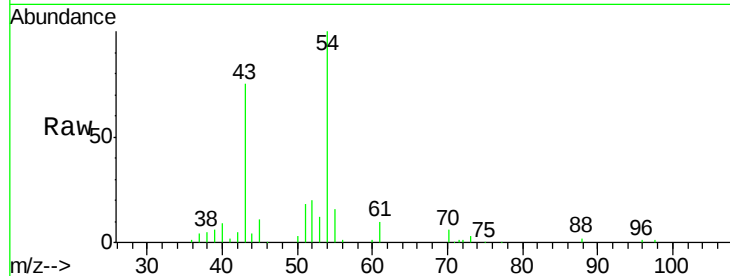
#37
Ethyl Acetate
Concen: 18.152 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.0	15.0
70	8.4	7.1	10.7

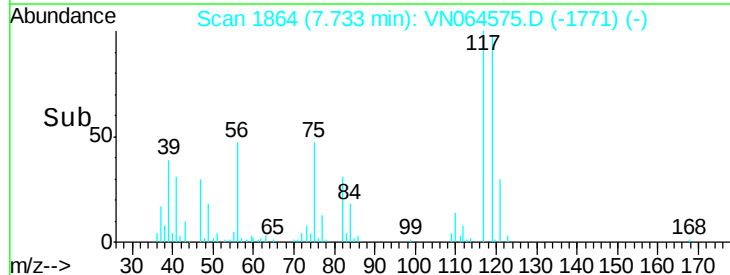
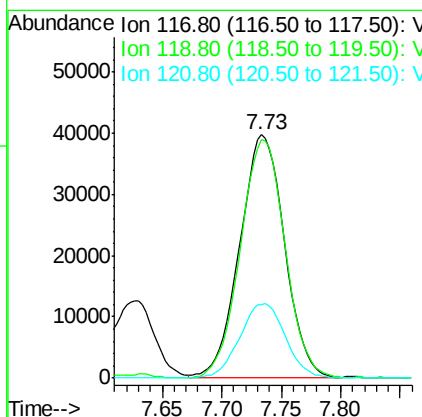
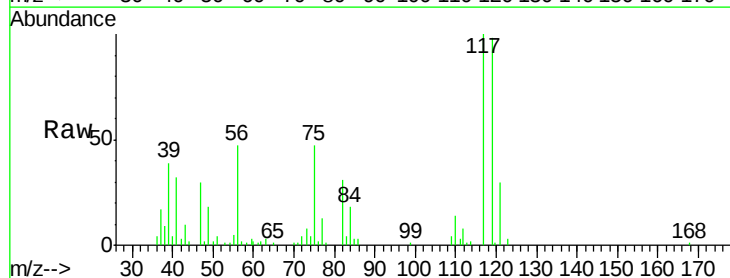
Manual Integrations
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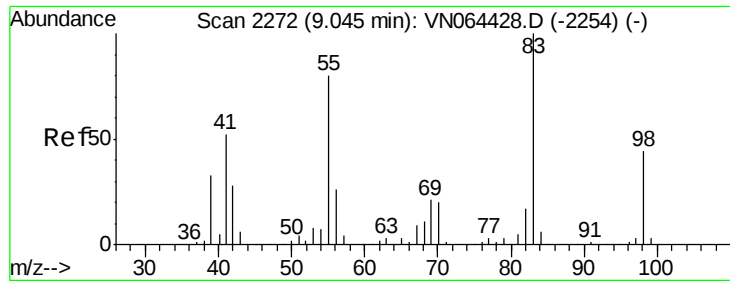
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#38
Carbon Tetrachloride
Concen: 18.682 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	75.5	113.3
121	30.3	24.4	36.6





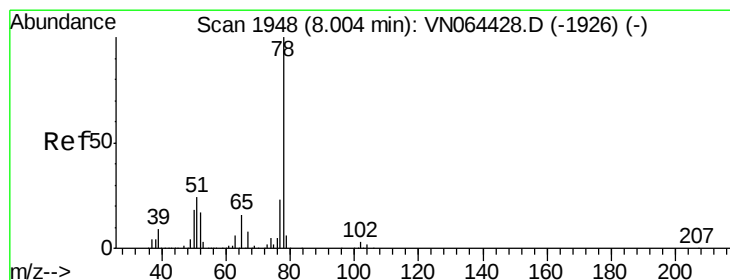
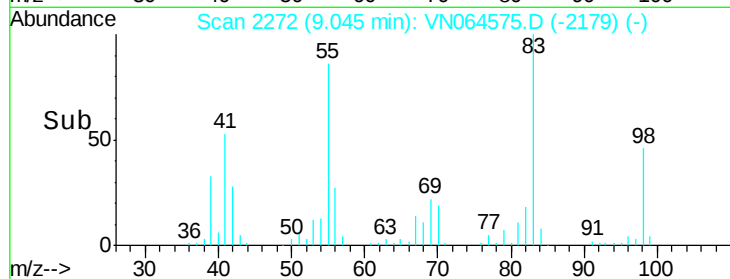
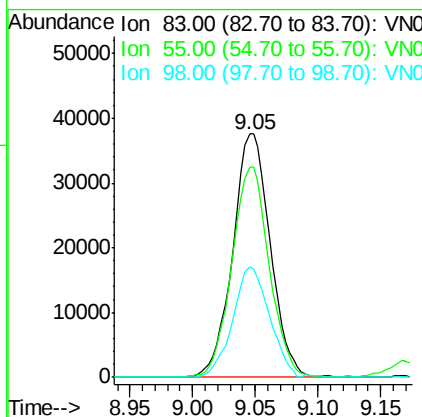
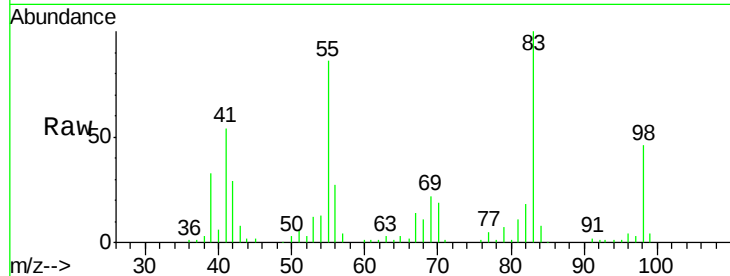
#39
Methvlcvclohexane
Concen: 16.771 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.3	63.8	95.6
98	45.6	35.4	53.2

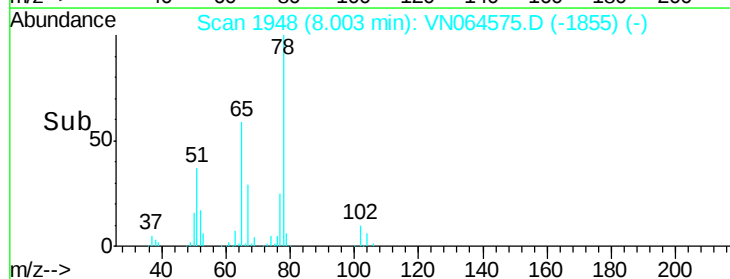
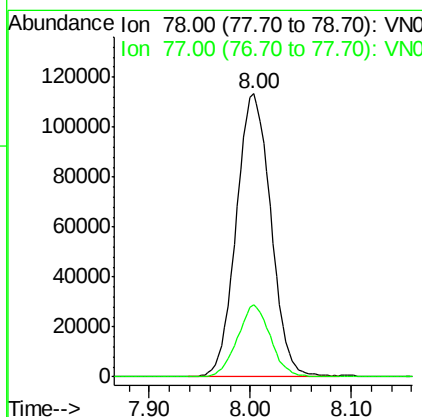
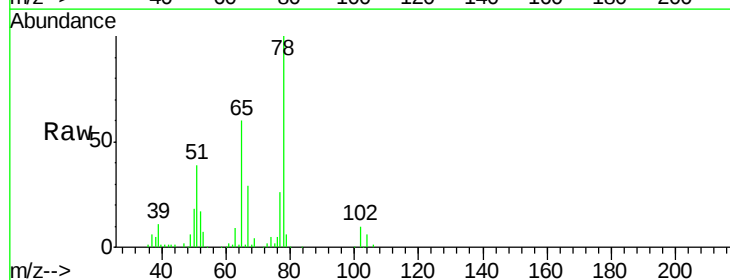
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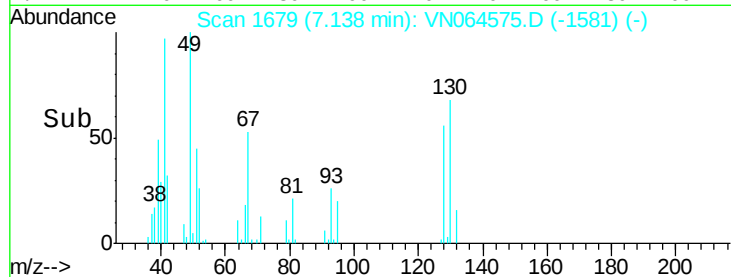
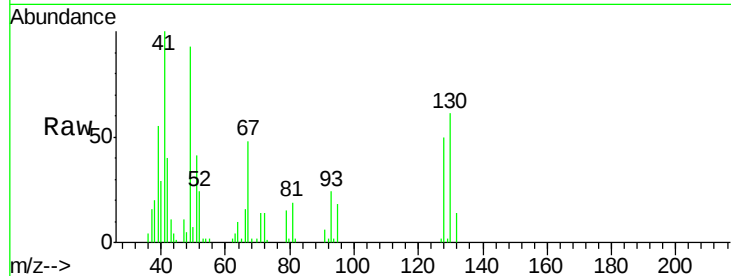
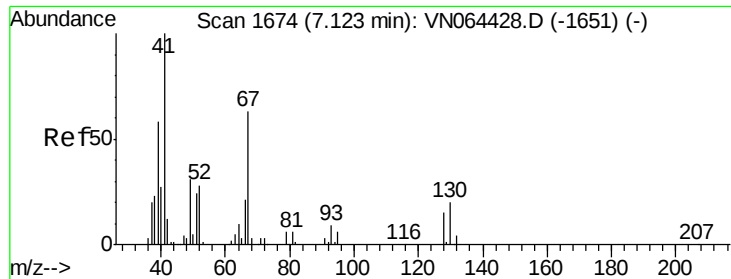
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11/13/2020 11:42:16 AM



#40
Benzene
Concen: 17.643 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	18.7	28.1





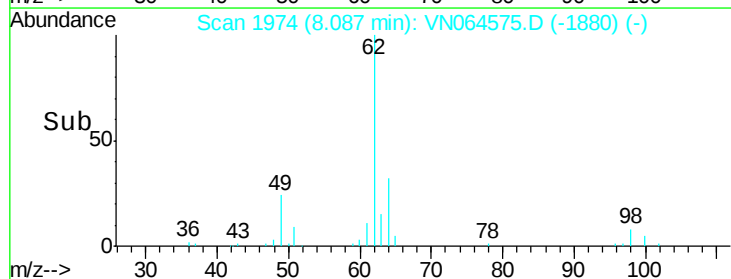
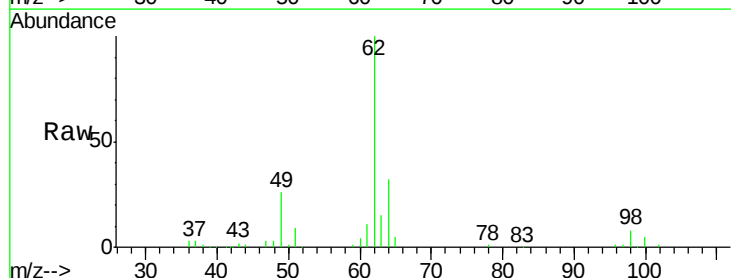
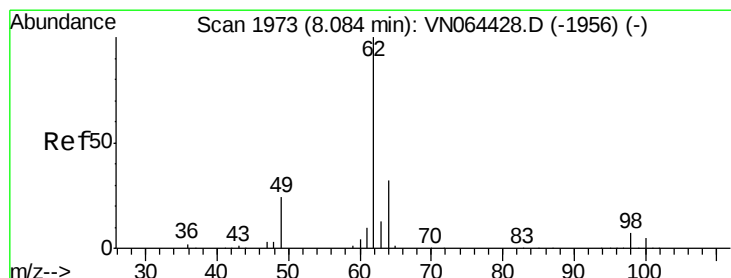
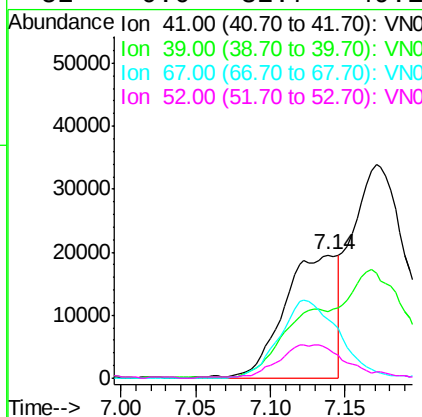
#41
Methacrylonitrile
Concen: 21.122 ug/l m
RT: 7.14 min Scan# 1679
Delta R.T. 0.02 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tot Ion	Ratio	Lower	Upper
41	100		
39	86.1	50.0	75.0#
67	0.0	68.3	102.5#
52	0.0	32.7	49.1#

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

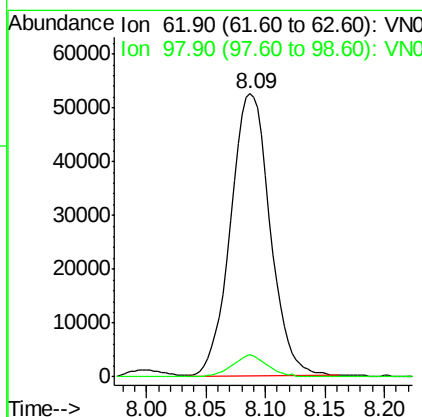
Manual Integrations
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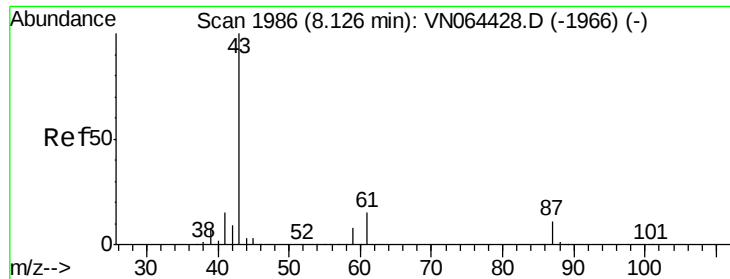
MMDadoda
11/13/2020 11:42:16 AM



#42
1,2-Dichloroethane
Concen: 19.579 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	14.0





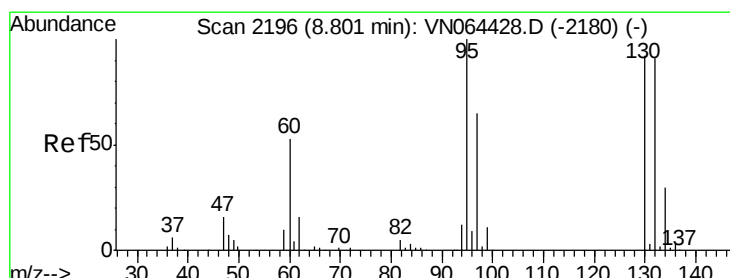
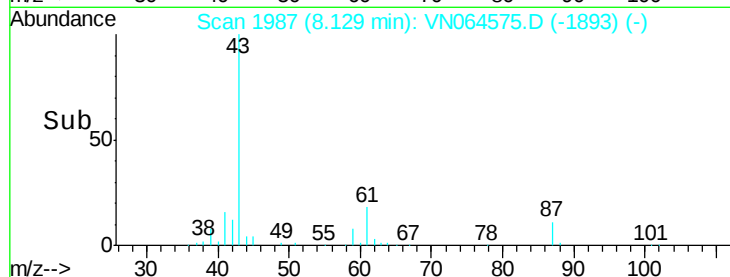
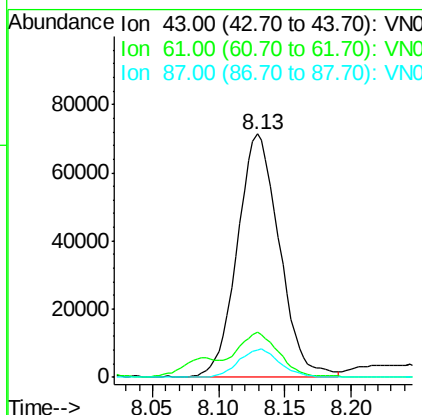
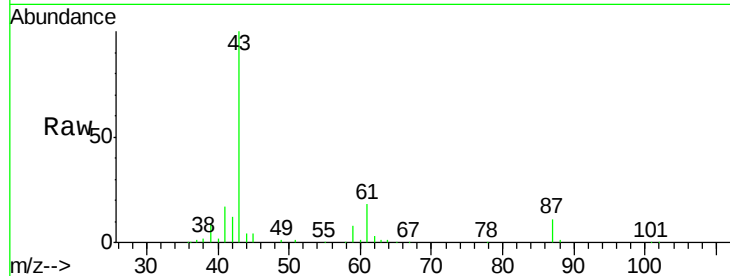
#43
Isopropyl Acetate
Concen: 18.482 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.0	21.0
87	11.5	9.1	13.7

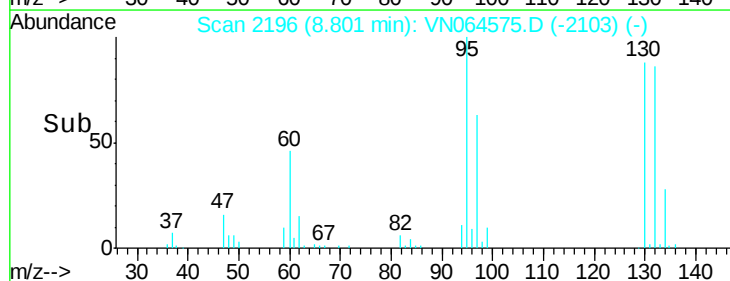
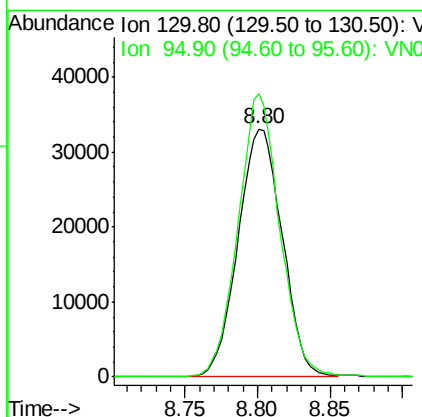
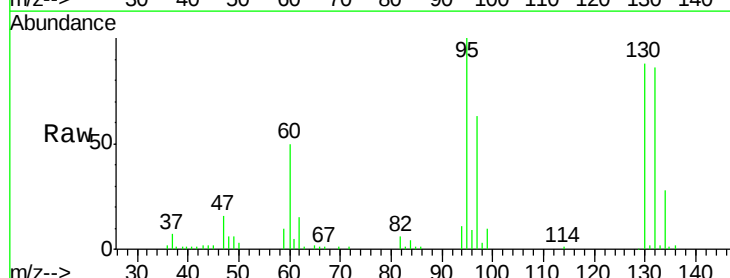
Manual Integrations
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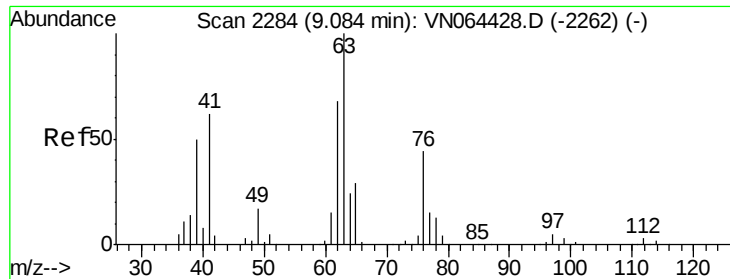
MMDadoda
11/13/2020 11:42:16 AM



#44
Trichloroethene
Concen: 18.151 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.3	0.0	216.8





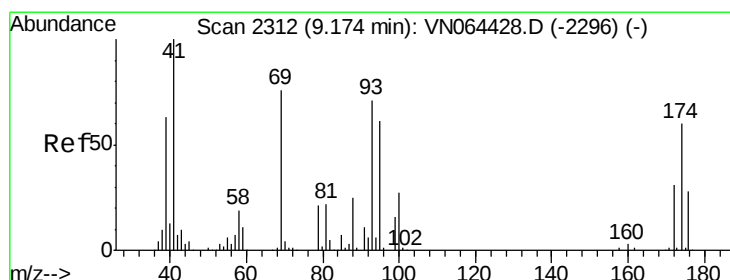
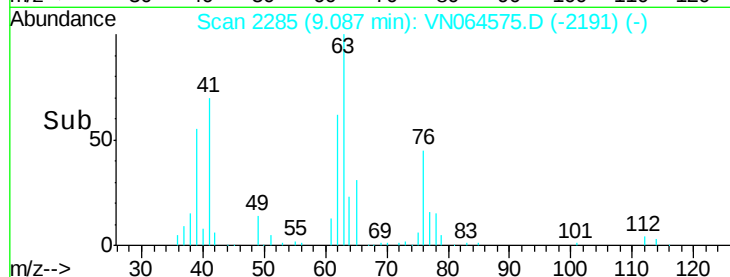
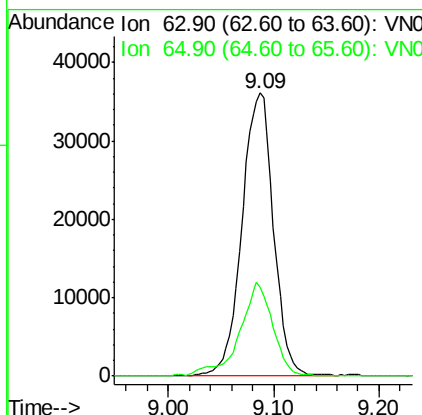
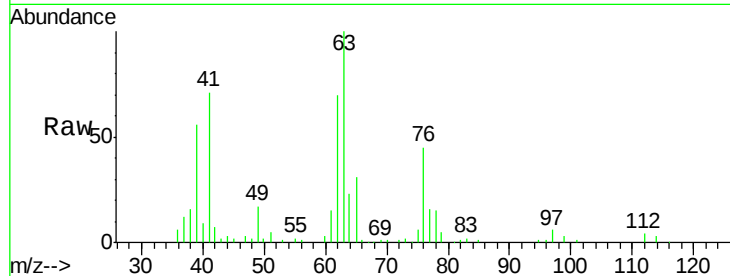
#45
 1,2-Dichloropropane
 Concen: 18.420 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Tot Ion: 63 Resp: 75066
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.6 35.4

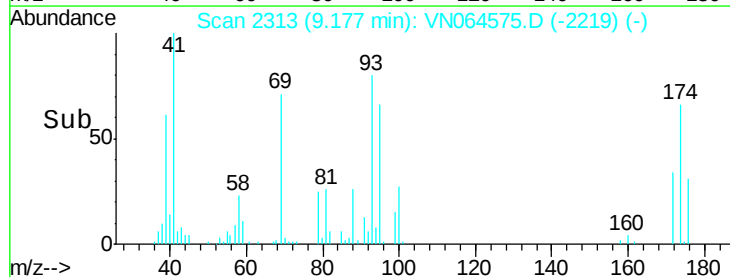
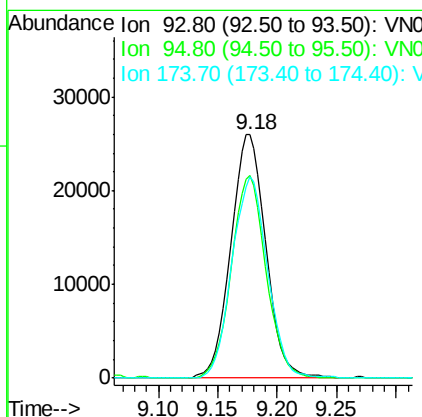
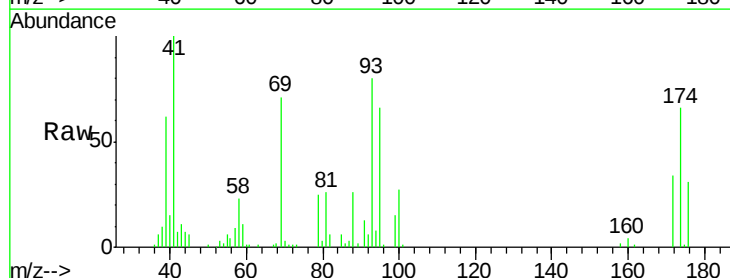
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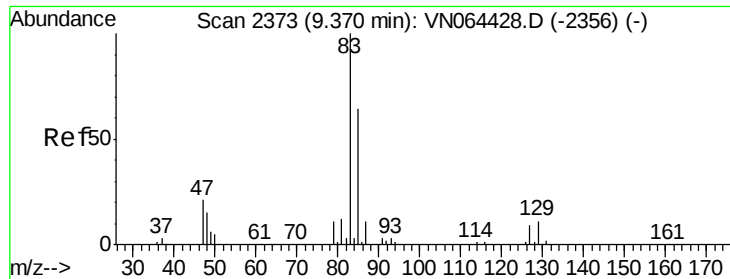
MMDadoda
 11/13/2020 11:42:16 AM



#46
 Dibromomethane
 Concen: 19.758 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Tgt Ion: 93 Resp: 53005
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.4 99.6
 174 83.7 67.2 100.8





#47

Bromodichloromethane

Concen: 19.718 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Instrument :

MSVOA_N

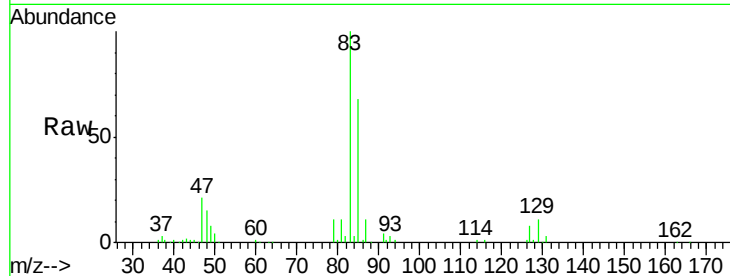
ClientSampleId :

VN1112WBSD01

Tot Ion:	83	Resp:	113738
Ion Ratio	Lower	Upper	
83	100		
85	68.0	51.2	76.8
127	8.5	6.9	10.3

Manual Integrations
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MMDadoda
11/13/2020 11:42:16 AM

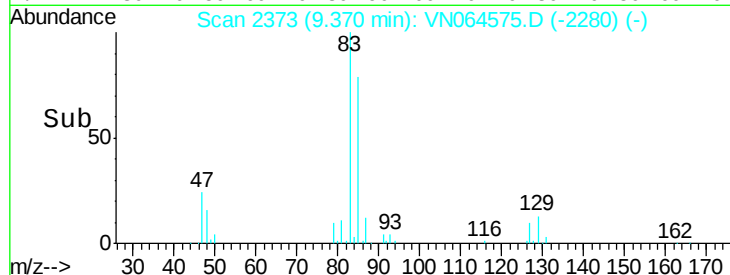


Abundance Ion 82.90 (82.60 to 83.60): VN064428.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN064428.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN064428.D (-2356) (-)

Time-->

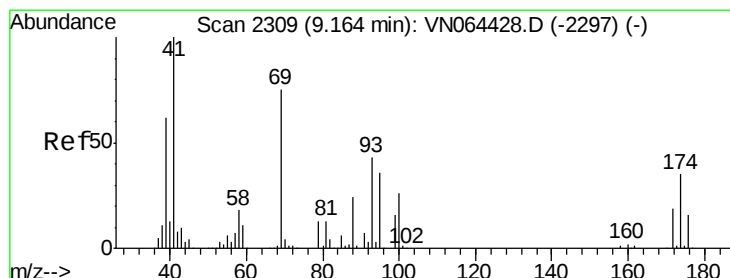


Abundance Ion 82.90 (82.60 to 83.60): VN064575.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064575.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064575.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 18.395 ug/l

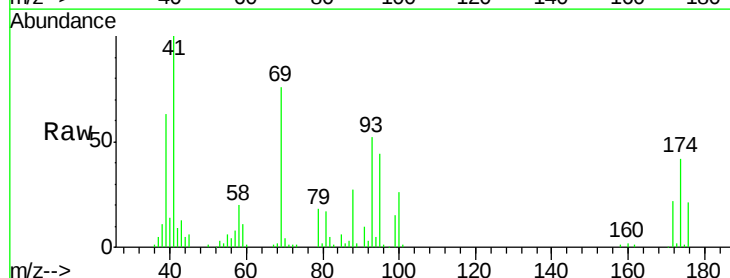
RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Tgt Ion:	41	Resp:	78187
Ion Ratio	Lower	Upper	
41	100		
69	74.5	60.4	90.6
39	63.1	51.2	76.8

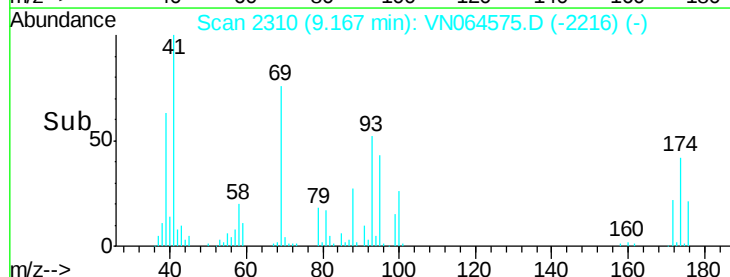


Abundance Ion 41.00 (40.70 to 41.70): VN064428.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN064428.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-2297) (-)

Time-->

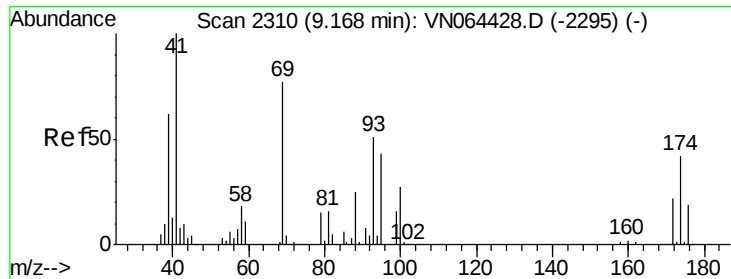


Abundance Ion 41.00 (40.70 to 41.70): VN064575.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064575.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064575.D (-2216) (-)

Time-->



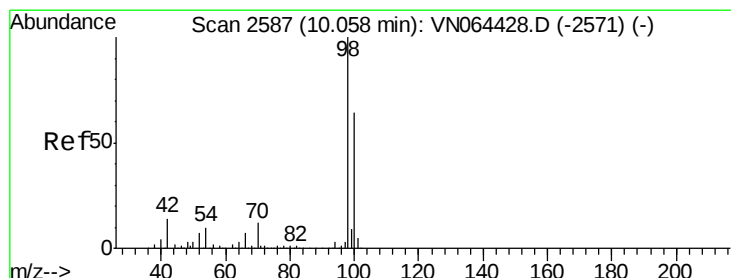
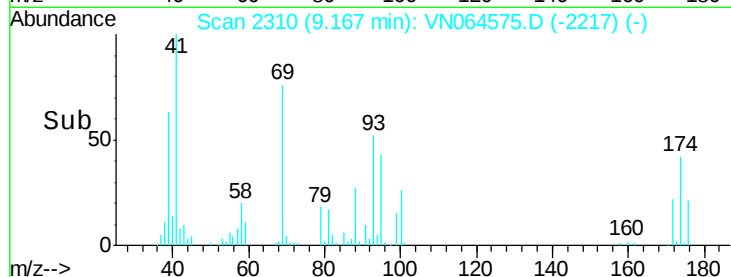
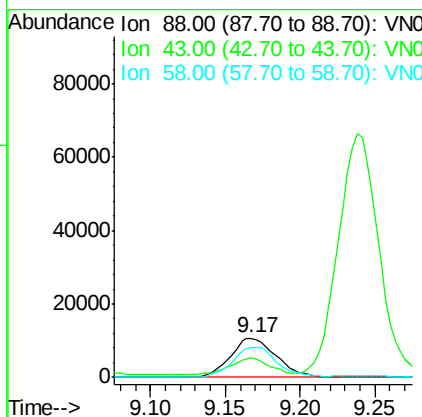
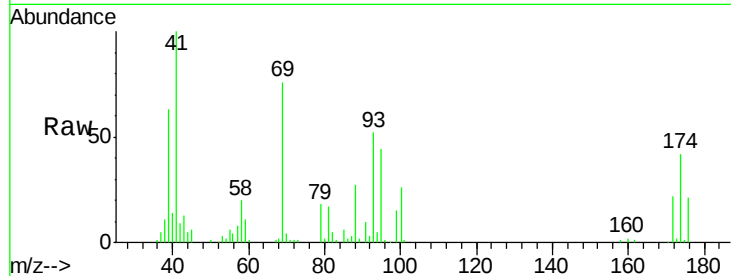
#49
1,4-Dioxane
Concen: 408.070 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	31.0	46.6
58	74.8	58.4	87.6

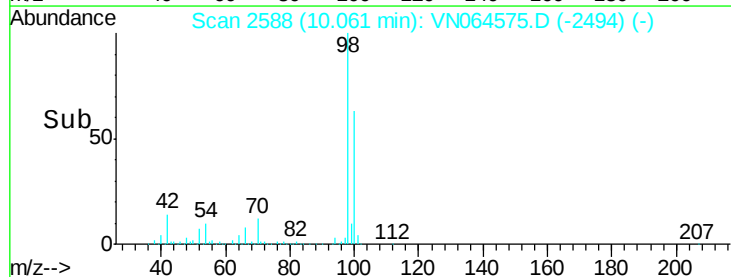
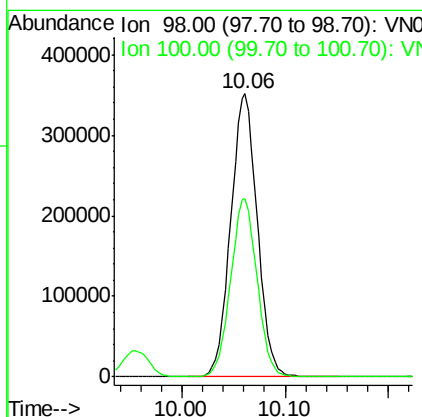
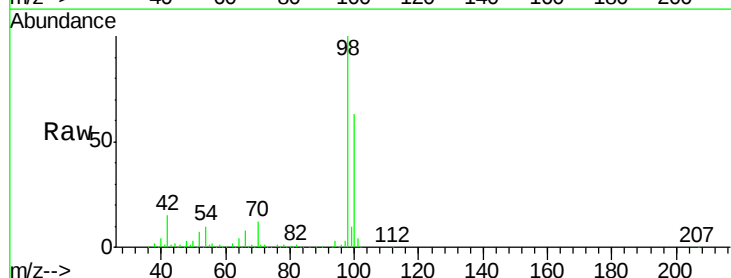
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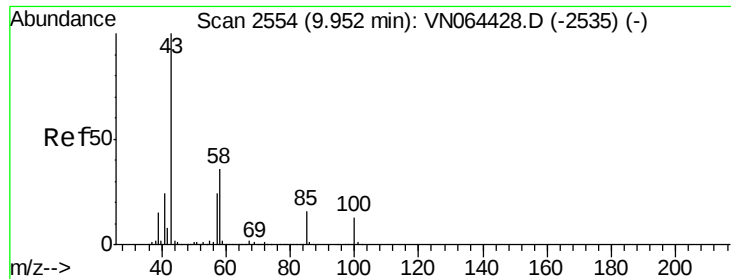
MMDadoda
11/13/2020 11:42:16 AM



#50
Toluene-d8
Concen: 48.809 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.2	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 97.675 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

Tot Ion: 43 Resp: 479791

Ion Ratio Lower Upper

43 100

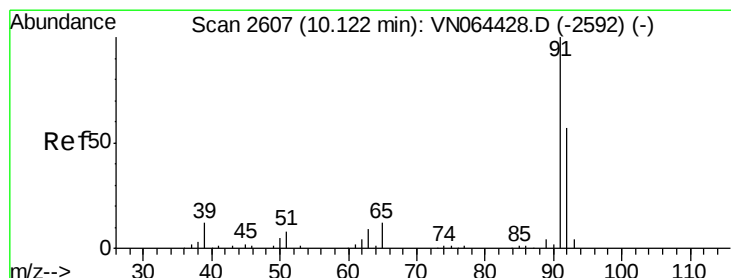
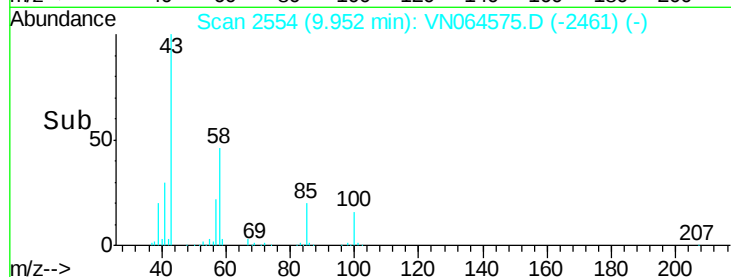
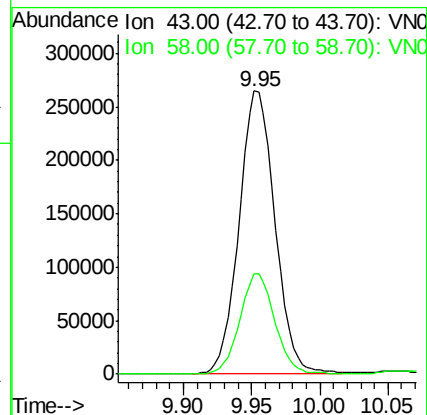
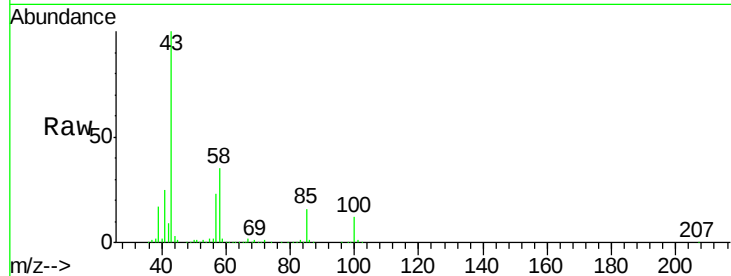
58 34.9 28.4 42.6

Manual Integrations

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11/13/2020 11:42:16 AM



#52

Toluene

Concen: 17.989 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064575.D

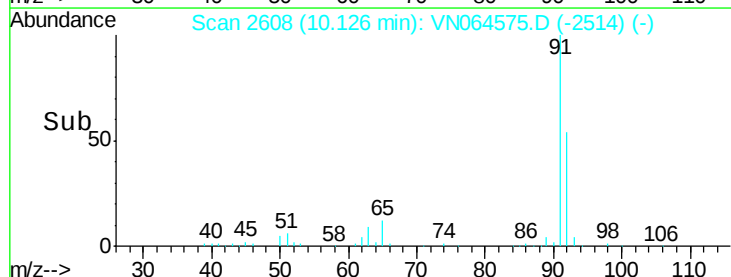
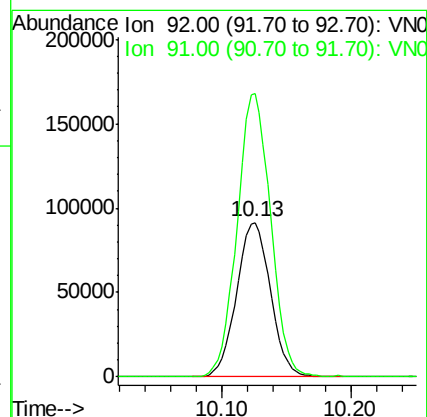
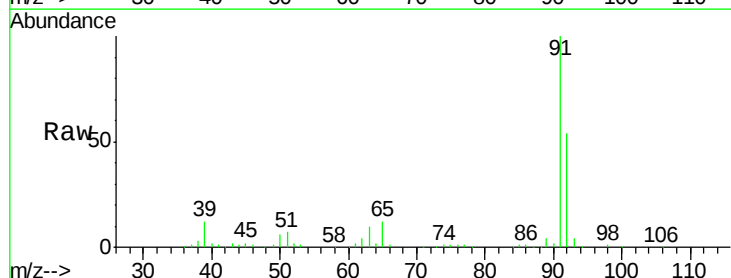
Acq: 12 Nov 2020 12:46

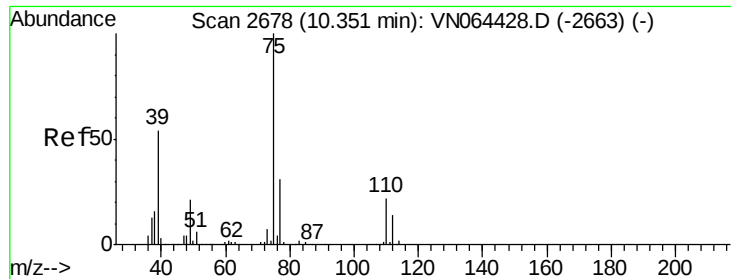
Tgt Ion: 92 Resp: 167576

Ion Ratio Lower Upper

92 100

91 180.9 139.6 209.4





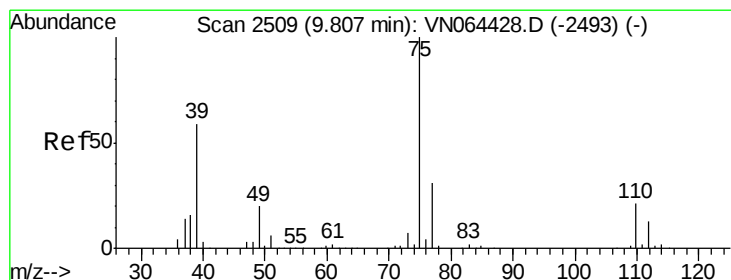
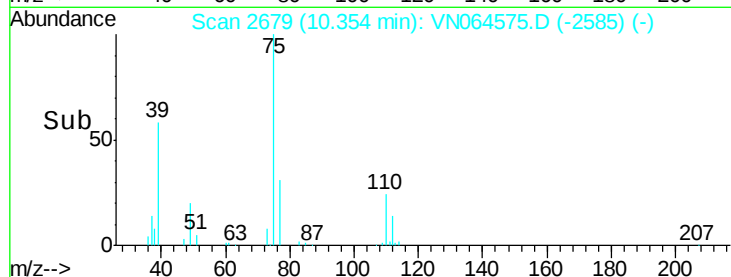
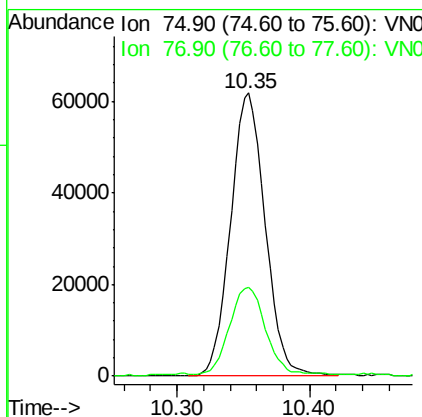
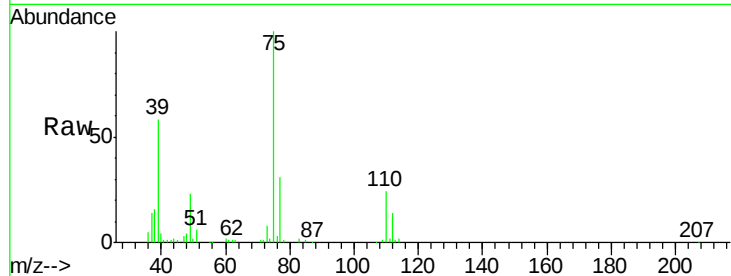
#53
t-1,3-Dichloropropene
Concen: 18.331 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.8	37.2

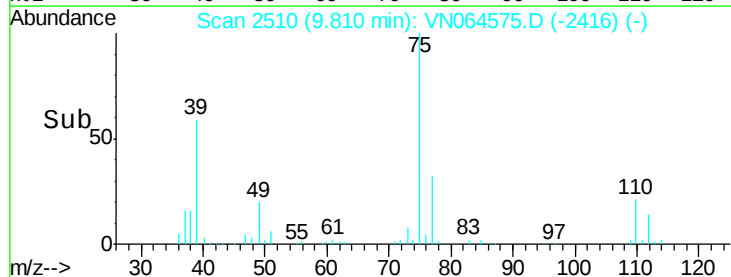
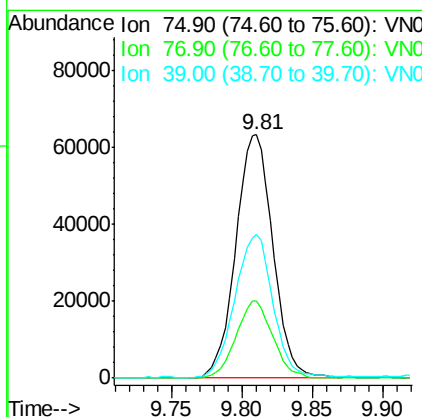
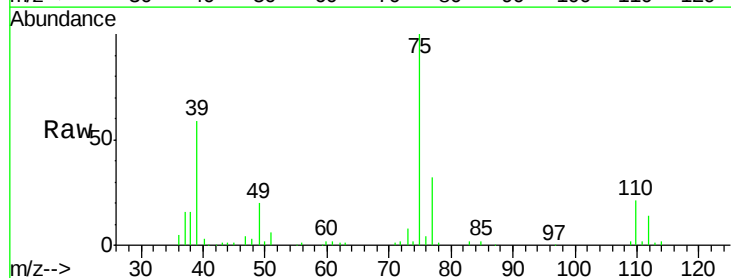
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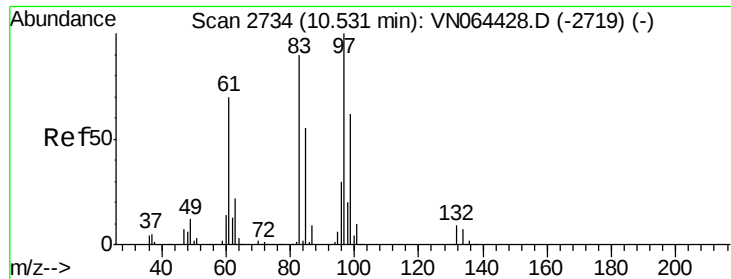
MMDadoda
11/13/2020 11:42:16 AM



#54
cis-1,3-Dichloropropene
Concen: 17.884 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.9	37.3
39	58.9	47.1	70.7





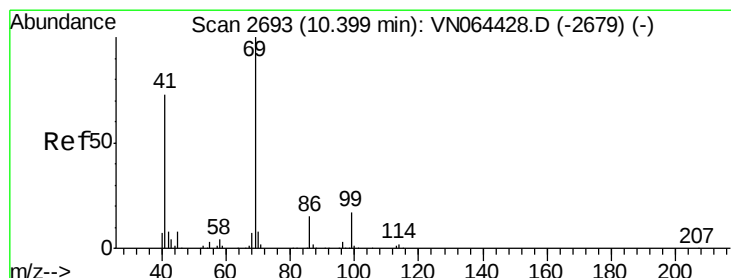
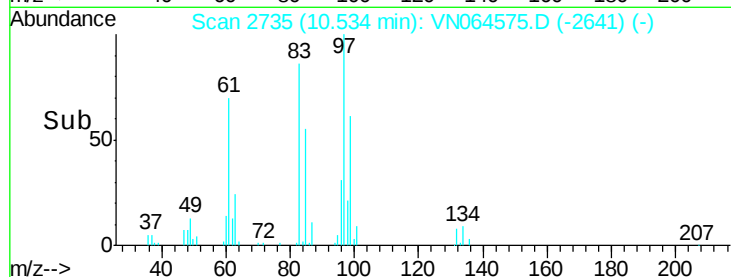
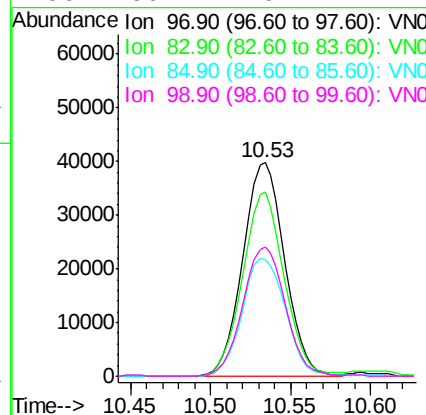
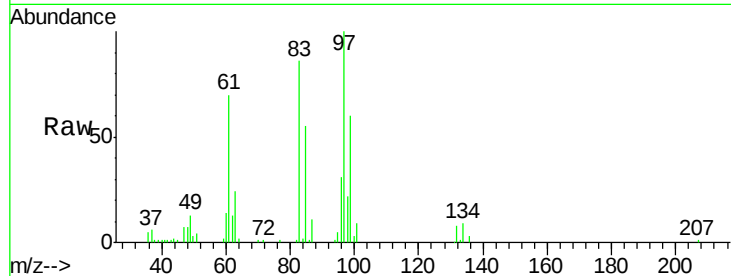
#55
 1,1,2-Trichloroethane
 Concen: 19.544 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		71002		
83	86.1	71.7	107.5		
85	54.6	44.3	66.5		
99	60.4	49.4	74.2		

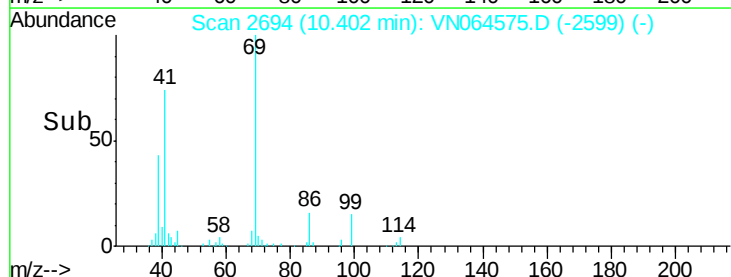
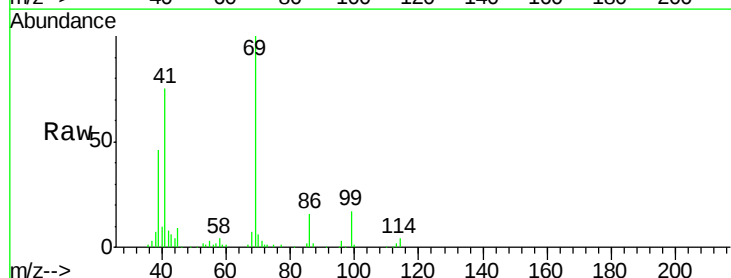
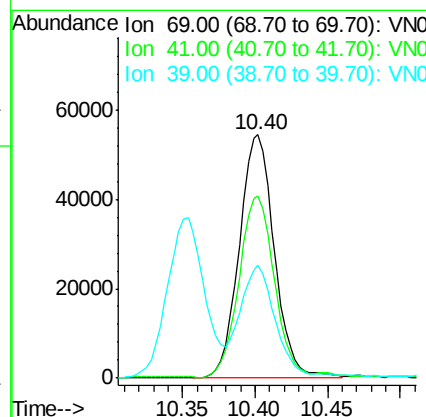
Manual Integrations
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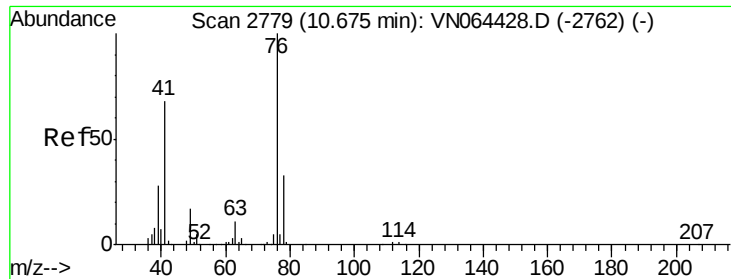
MMDadoda
 11/13/2020 11:42:16 AM



#56
 Ethyl methacrylate
 Concen: 16.595 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		91560		
41	74.5	59.3	88.9		
39	45.2	35.4	53.0		





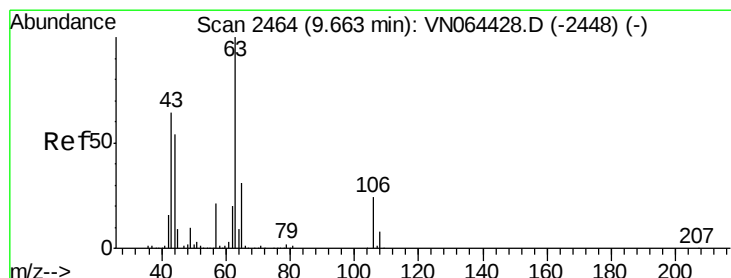
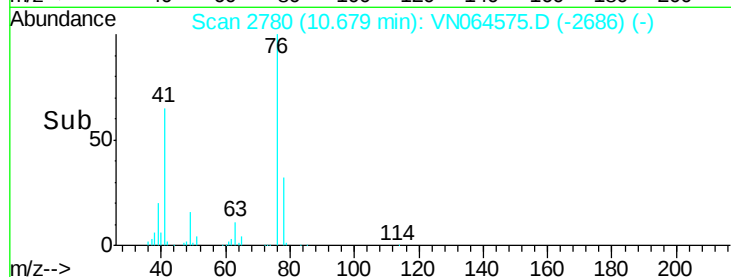
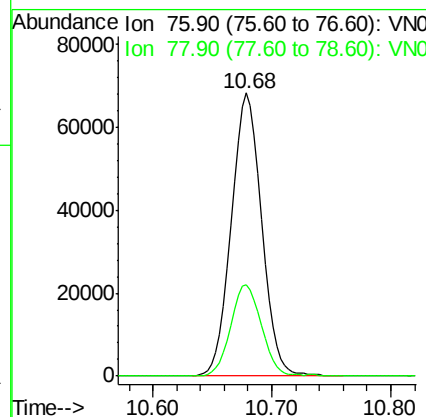
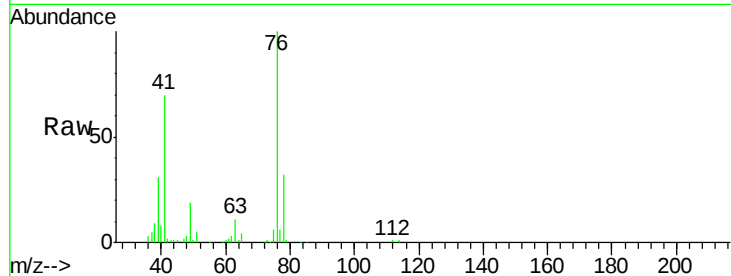
#57
 1,3-Dichloropropane
 Concen: 19.040 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.6

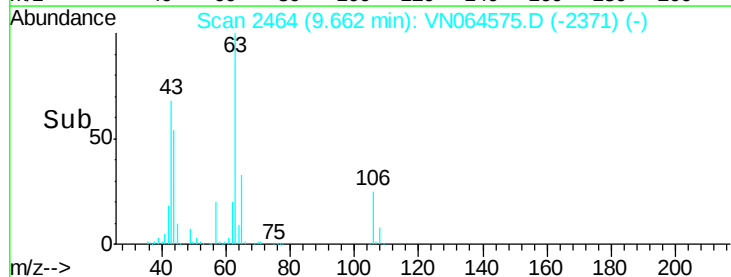
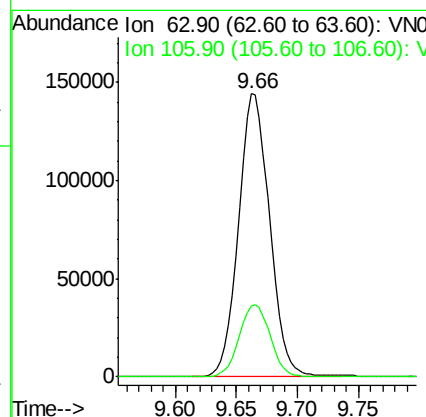
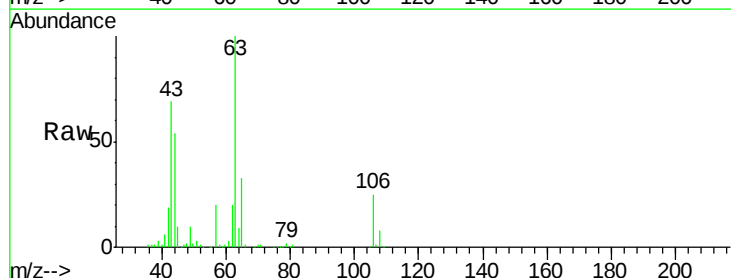
Manual Integrations
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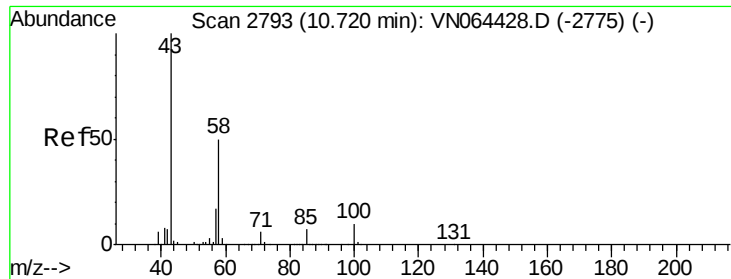
MMDadoda
 11/13/2020 11:42:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.093 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.4	19.5	29.3





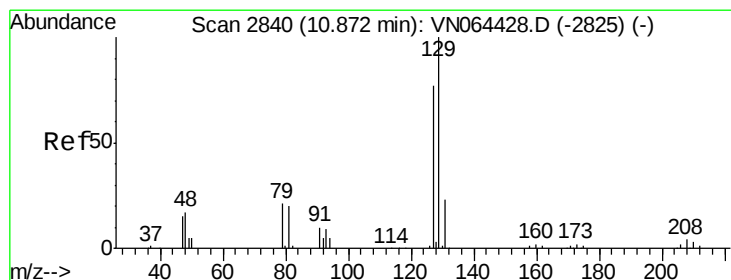
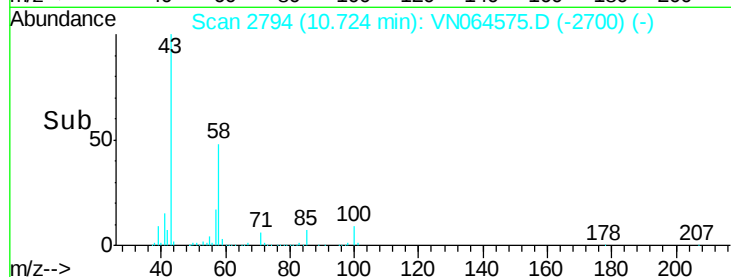
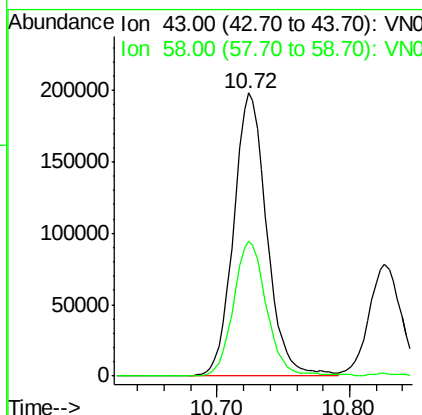
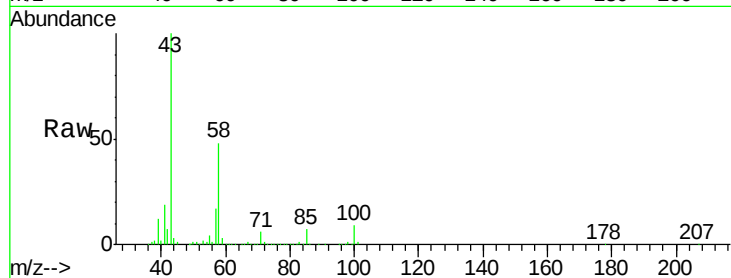
#59
2-Hexanone
Concen: 87.816 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion: 43 Resp: 341113
Ion Ratio Lower Upper
43 100
58 48.0 24.7 74.1

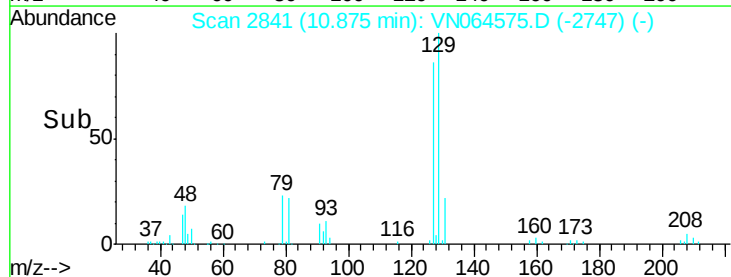
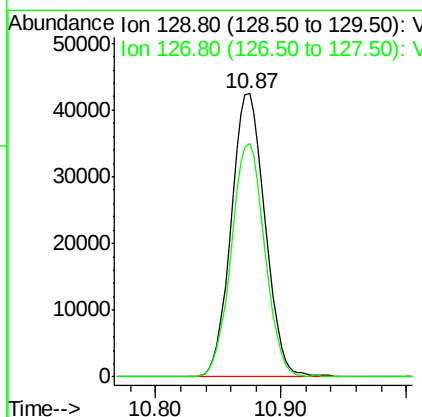
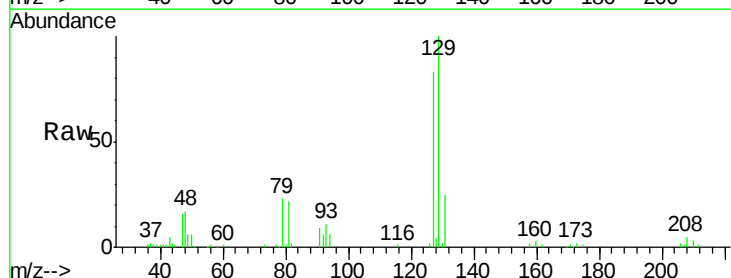
Manual Integrations
APPROVED

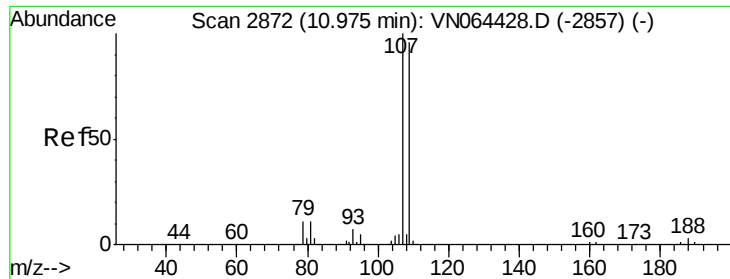
MMDadoda
11/13/2020 11:42:16 AM



#60
Dibromochloromethane
Concen: 19.564 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion: 129 Resp: 79574
Ion Ratio Lower Upper
129 100
127 81.5 38.9 116.7





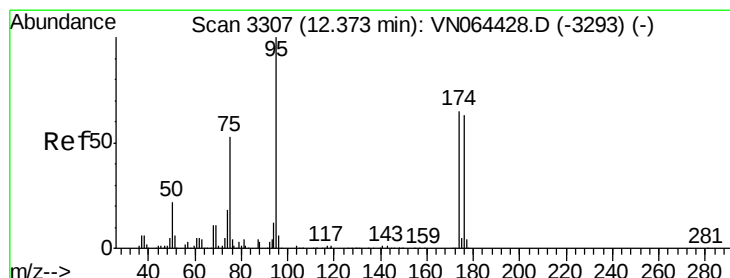
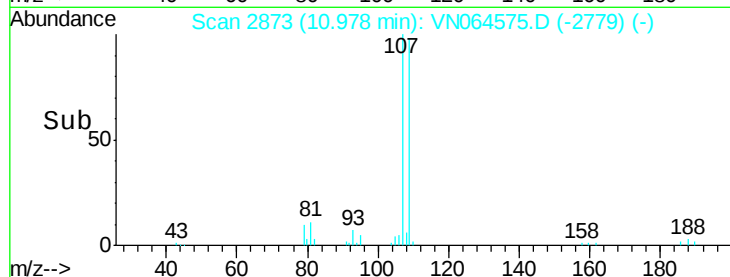
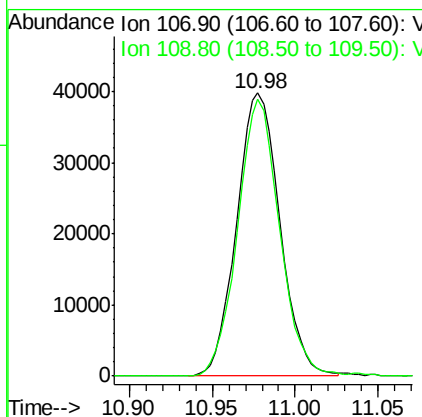
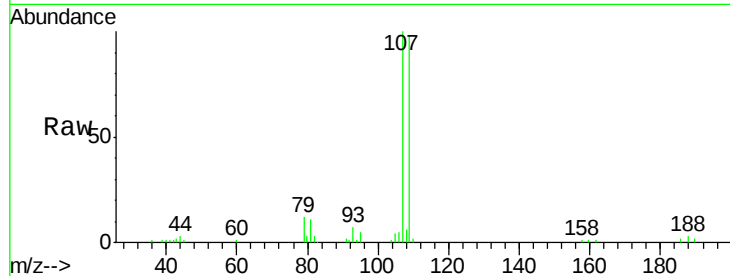
#61
 1,2-Dibromoethane
 Concen: 19.630 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Tot Ion: 107 Resp: 72334
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.9 113.9

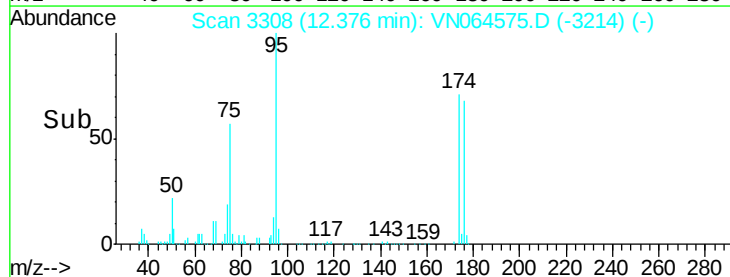
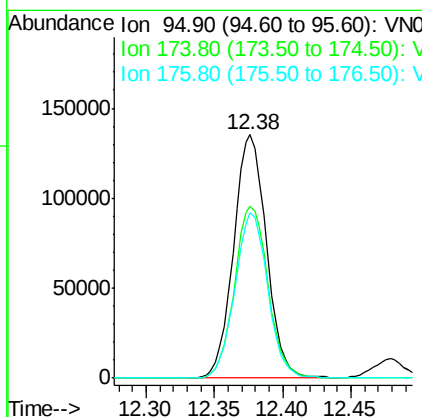
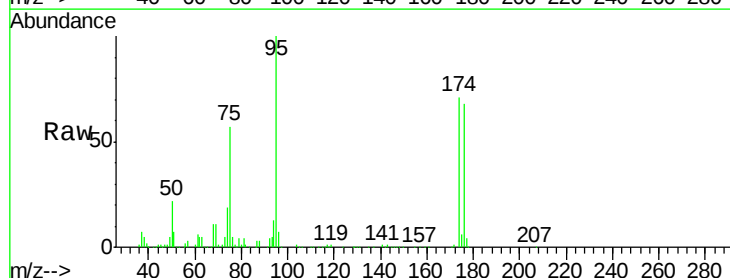
Manual Integrations
 APPROVED

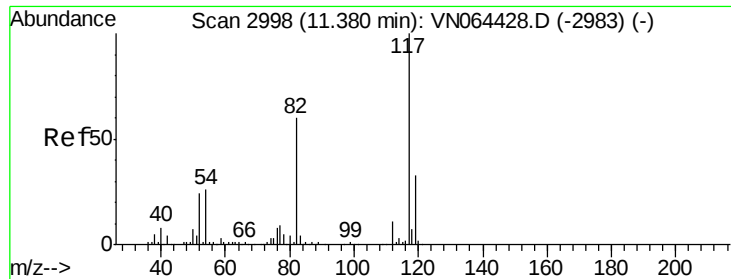
MMDadoda
 11/13/2020 11:42:16 AM



#62
 4-Bromofluorobenzene
 Concen: 46.128 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Tgt Ion: 95 Resp: 225862
 Ion Ratio Lower Upper
 95 100
 174 72.4 0.0 132.6
 176 68.1 0.0 129.2





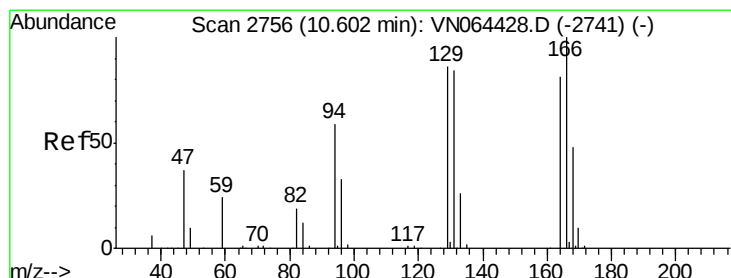
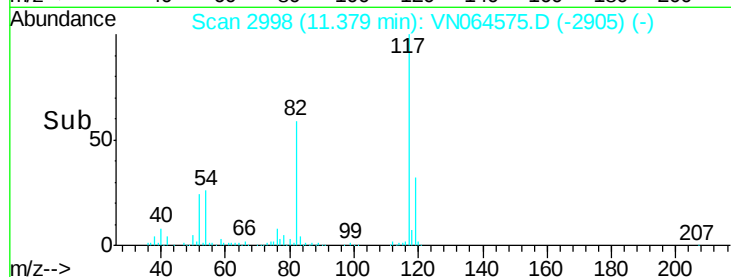
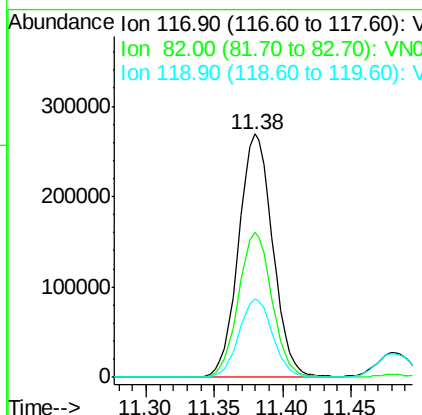
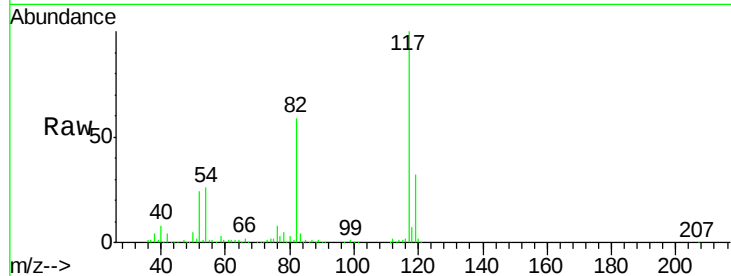
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	468162		
82	59.3	48.1	72.1	
119	32.1	26.2	39.4	

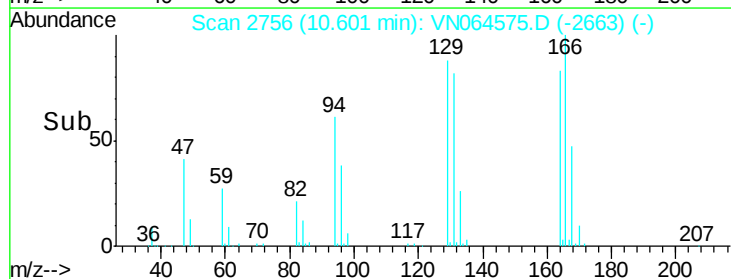
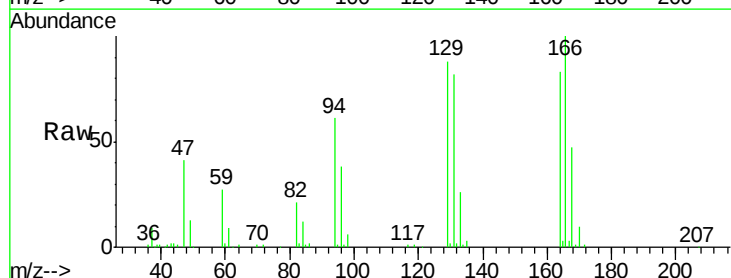
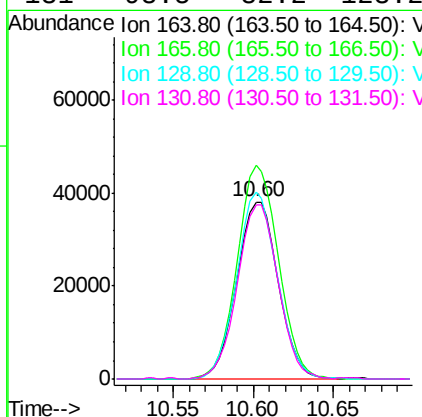
Manual Integrations
APPROVED

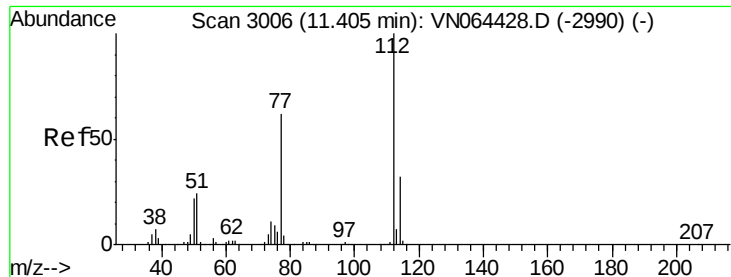
MMDadoda
11/13/2020 11:42:16 AM



#64
Tetrachloroethene
Concen: 18.694 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	67414		
166	120.5	98.2	147.2	
129	105.7	84.6	127.0	
131	98.5	82.2	123.2	





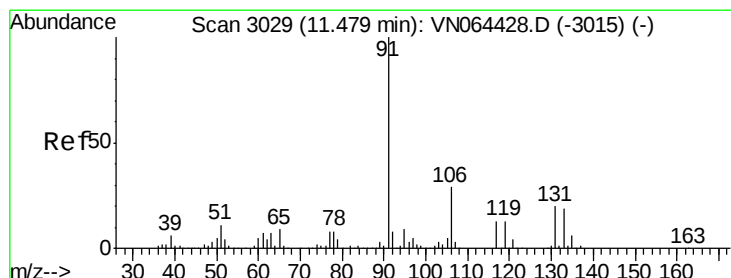
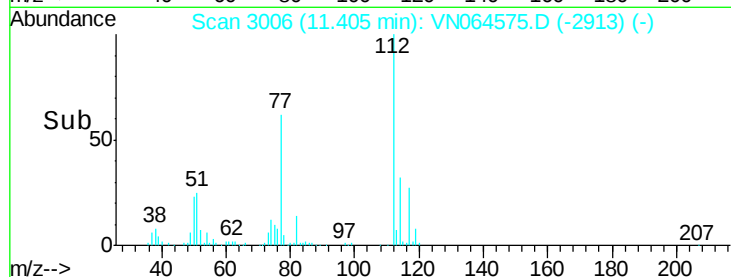
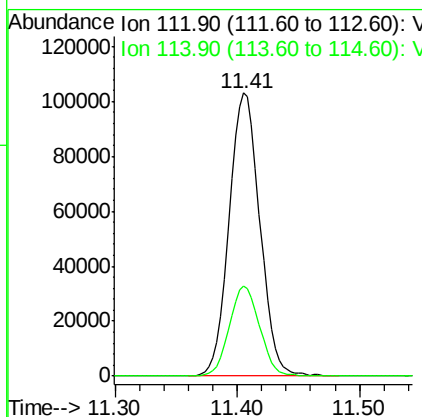
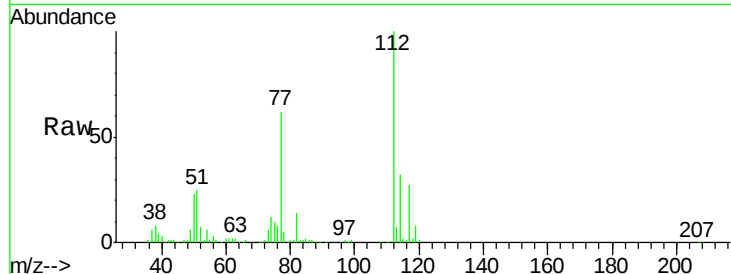
#65
Chlorobenzene
Concen: 17.657 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.6	38.4

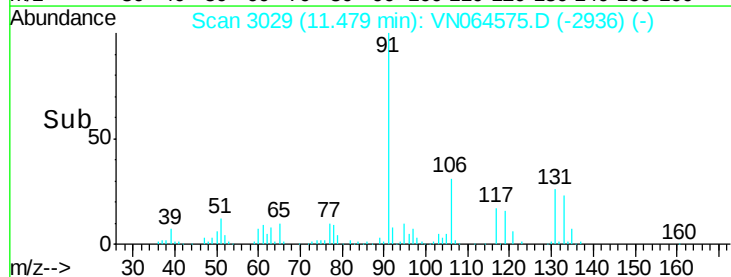
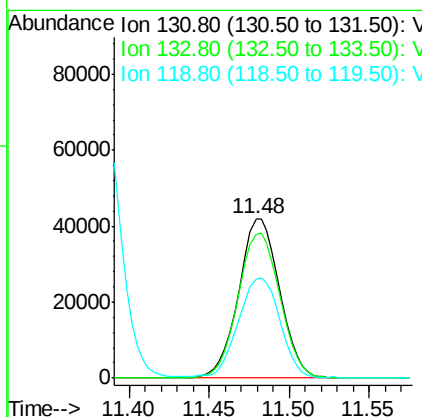
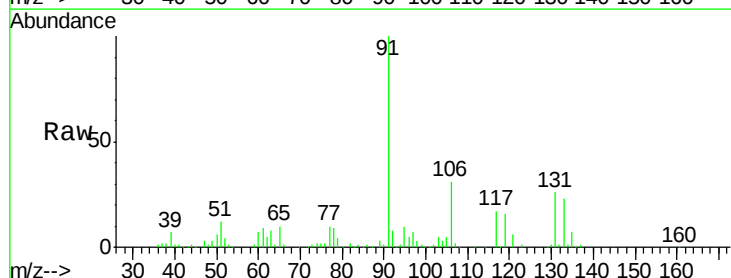
Manual Integrations
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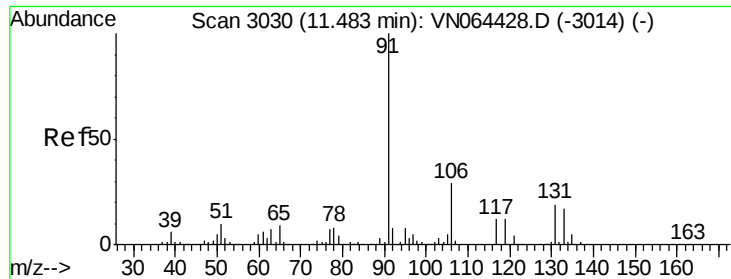
MMDadoda
11/13/2020 11:42:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.156 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.0	46.9	140.7
119	64.4	32.1	96.5





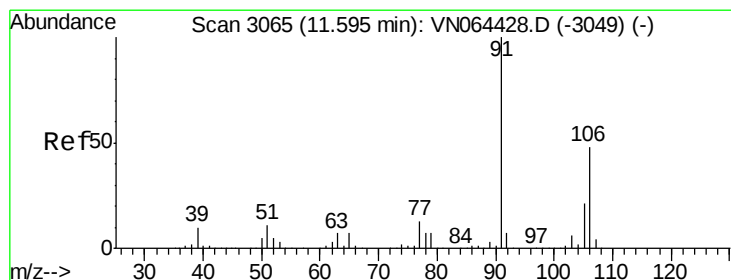
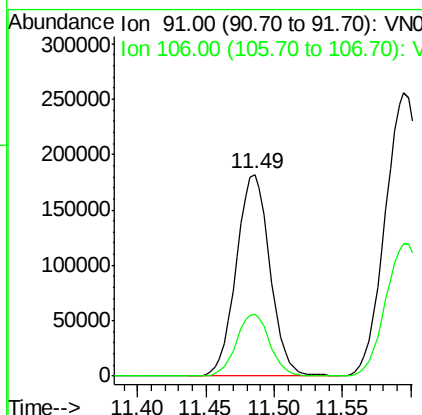
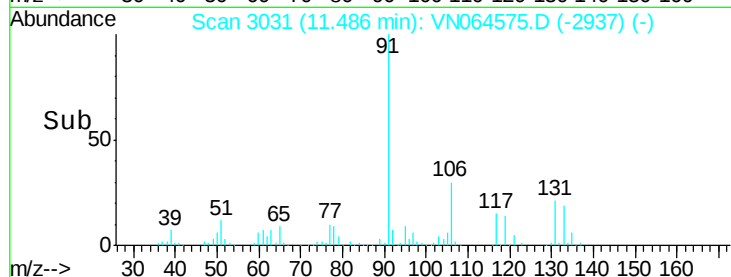
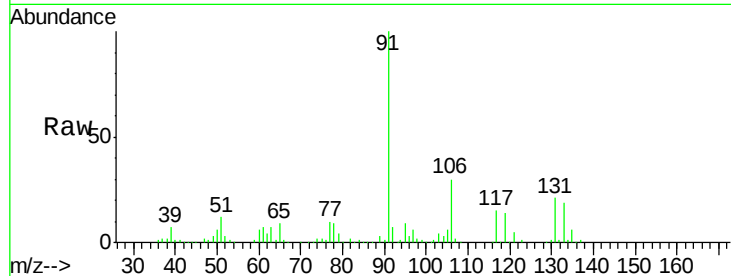
#67
Ethyl Benzene
Concen: 17.139 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion: 91 Resp: 312885
Ion Ratio Lower Upper
91 100
106 30.5 23.6 35.4

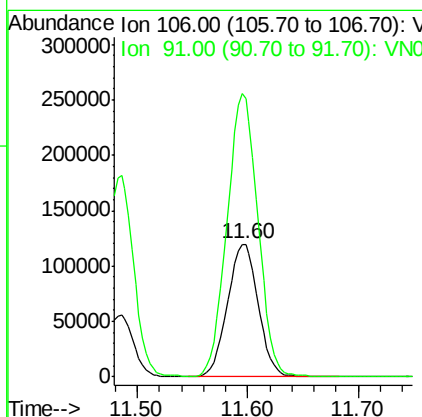
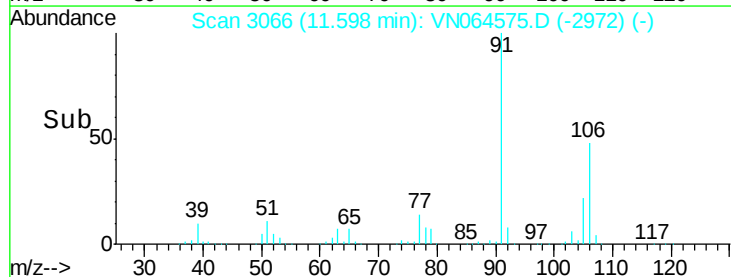
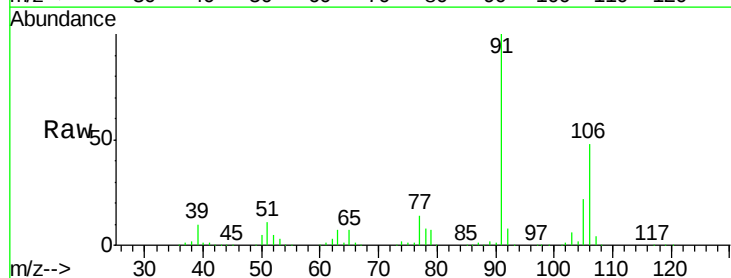
Manual Integrations
APPROVED

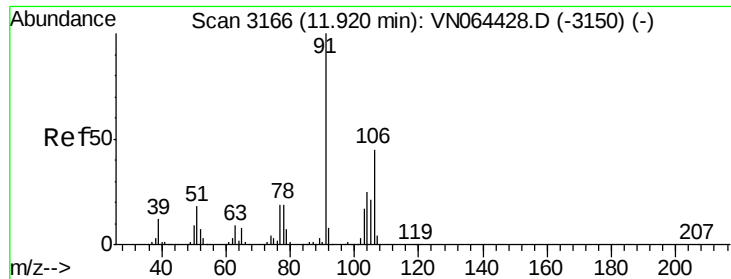
MMDadoda
11/13/2020 11:42:16 AM



#68
m/p-Xylenes
Concen: 35.021 ug/l
RT: 11.60 min Scan# 3066
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion: 106 Resp: 231857
Ion Ratio Lower Upper
106 100
91 213.1 169.4 254.2





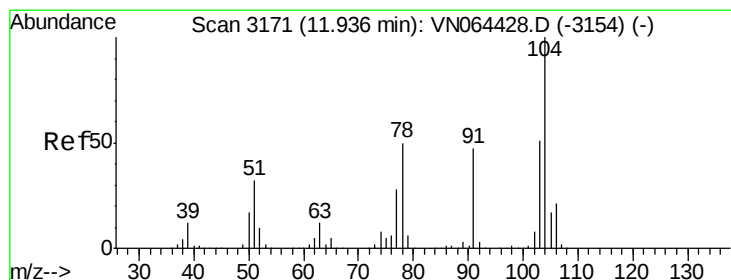
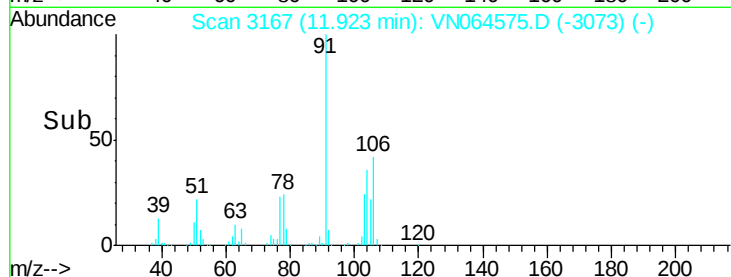
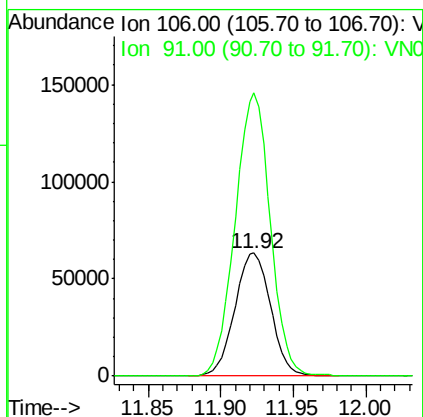
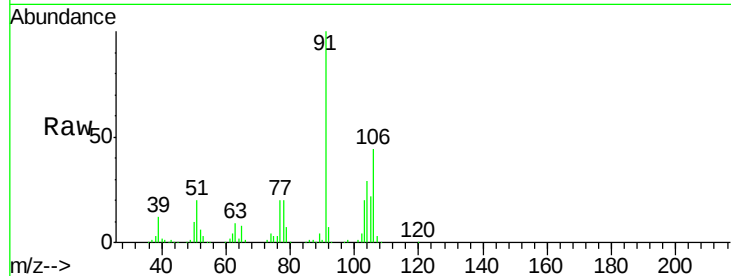
#69
o-Xylene
Concen: 17.058 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion:106 Resp: 109127
Ion Ratio Lower Upper
106 100
91 225.6 111.7 334.9

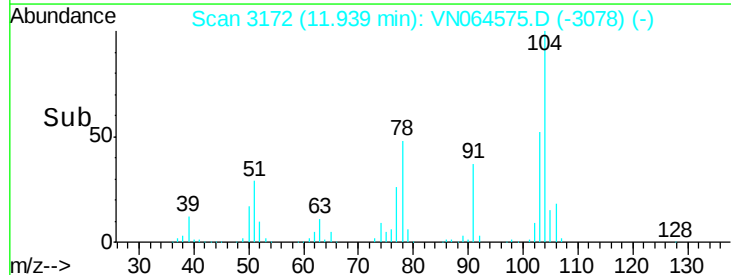
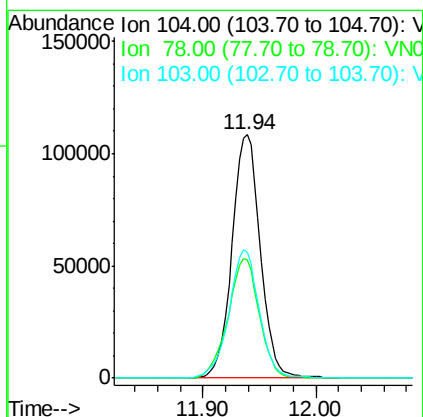
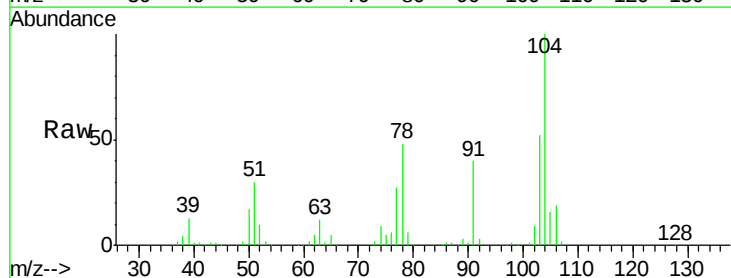
Manual Integrations
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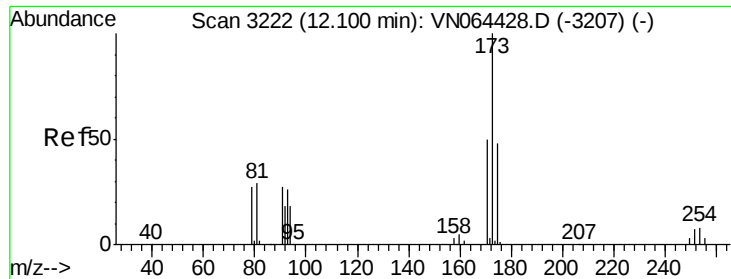
MMDadoda
11/13/2020 11:42:16 AM



#70
Styrene
Concen: 17.609 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion:104 Resp: 189564
Ion Ratio Lower Upper
104 100
78 53.9 44.0 66.0
103 56.0 43.8 65.6





#71

Bromoform

Concen: 18.185 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

Tot Ion:173 Resp: 49886

Ion Ratio Lower Upper

173 100

175 49.5 23.7 71.1

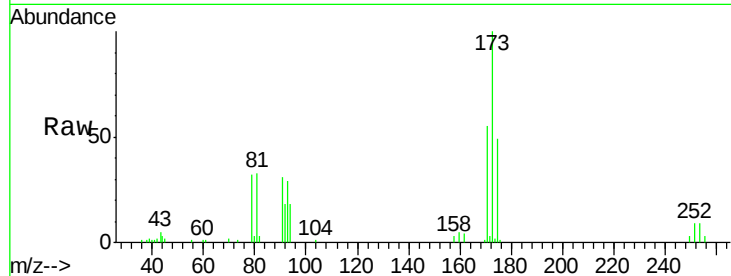
254 0.0 0.0 0.0

Manual Integrations

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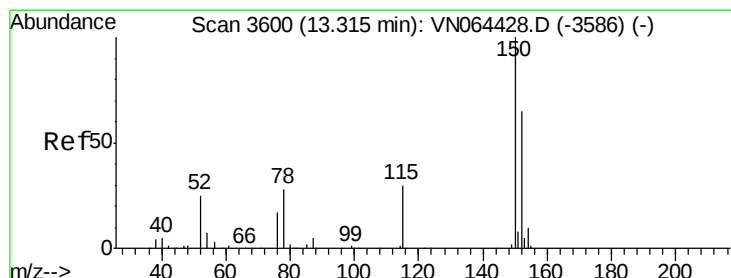
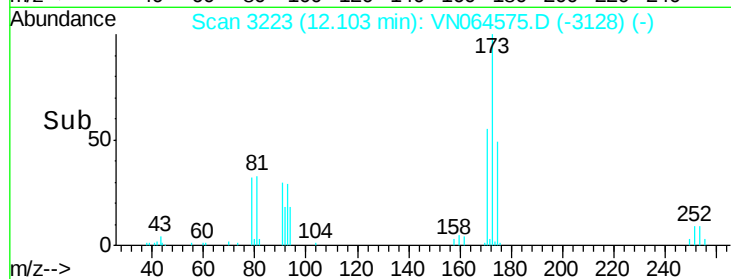
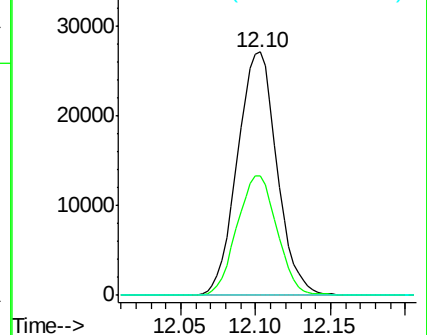
11/13/2020 11:42:16 AM



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# 3601

Delta R.T. 0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

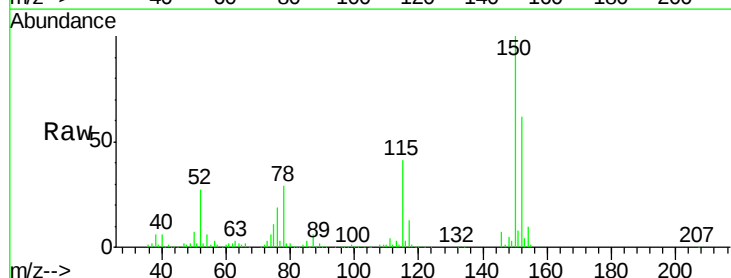
Tgt Ion:152 Resp: 210470

Ion Ratio Lower Upper

152 100

115 64.1 32.0 96.0

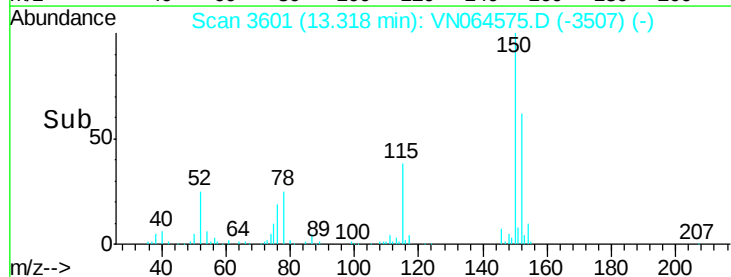
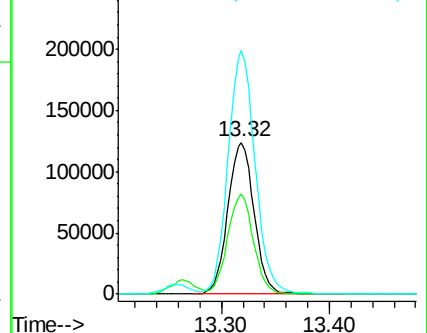
150 164.2 0.0 353.8

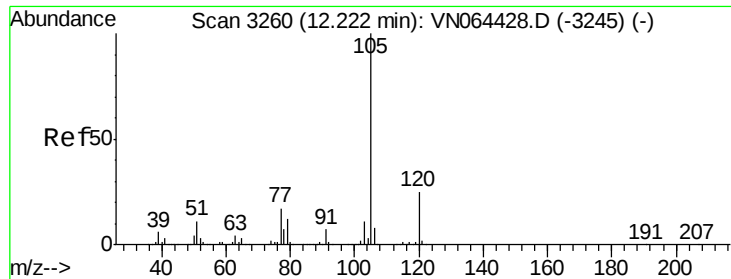


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





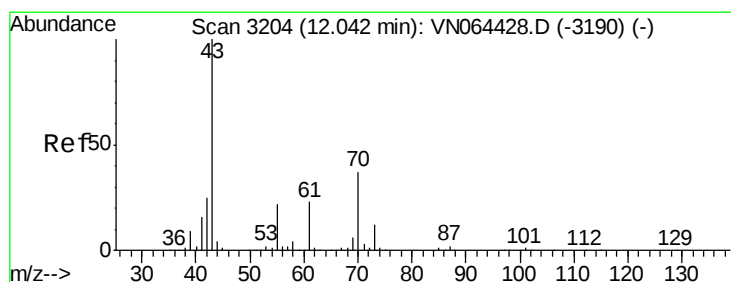
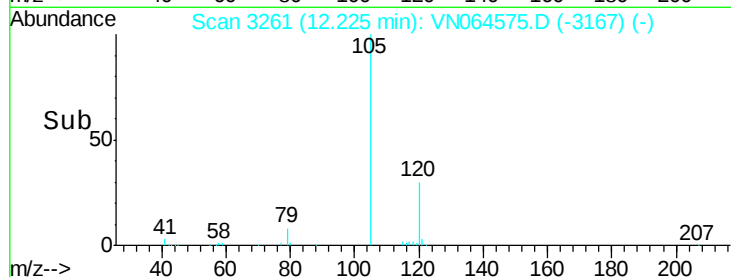
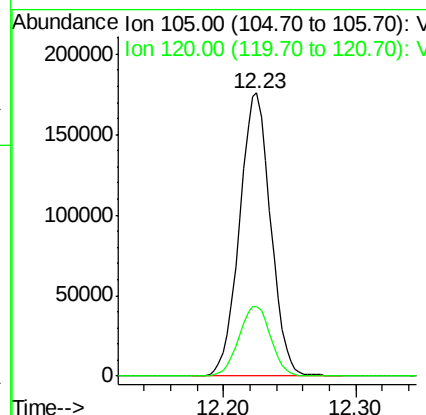
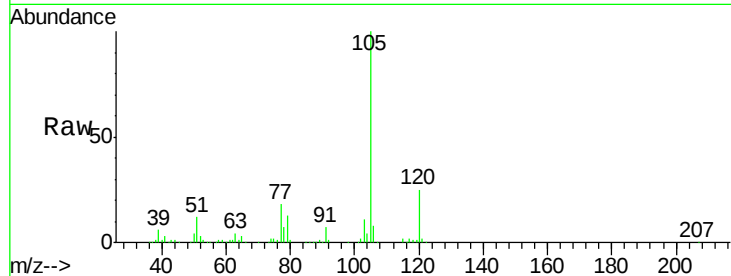
#73
Isopropylbenzene
Concen: 17.128 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.8	38.3

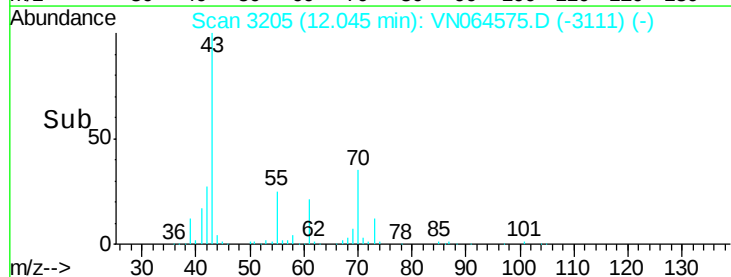
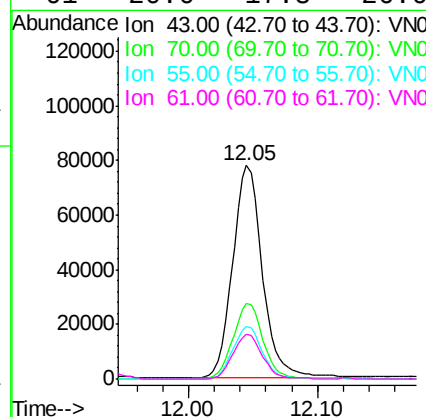
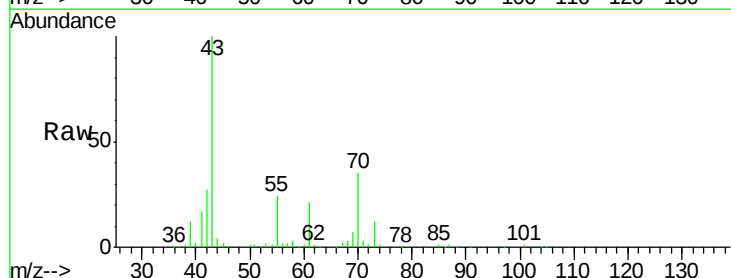
Manual Integrations
APPROVED

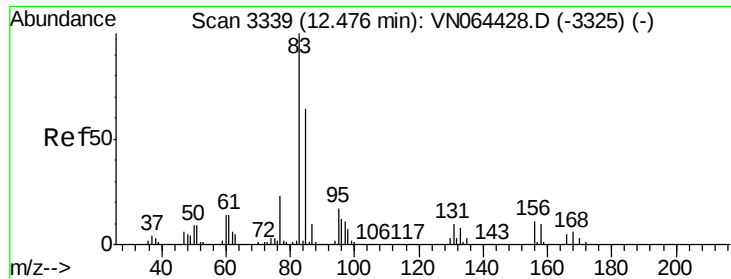
MMDadoda
11/13/2020 11:42:16 AM



#74
N-ethyl acetate
Concen: 16.259 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.9	29.6	44.4
55	24.2	18.4	27.6
61	20.6	17.8	26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.304 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Instrument :

MSVOA_N

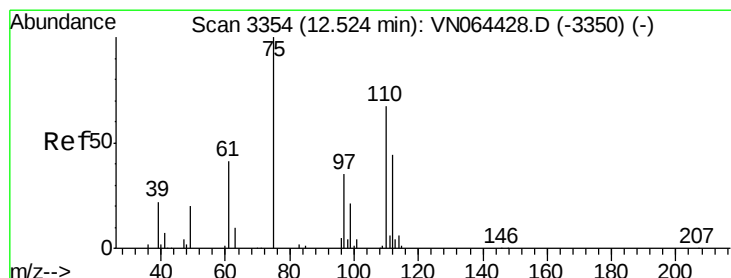
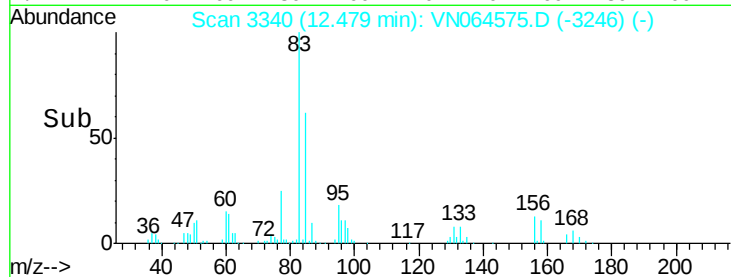
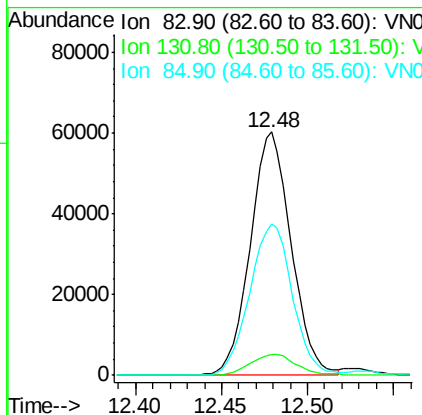
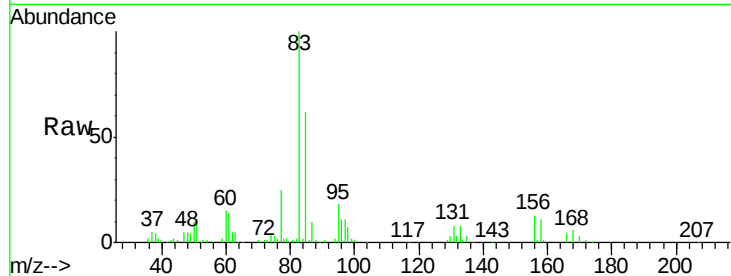
ClientSampleId :

VN1112WBSD01

Tot Ion:	83	Resp:	99188
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	65.0	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.667 ug/l m

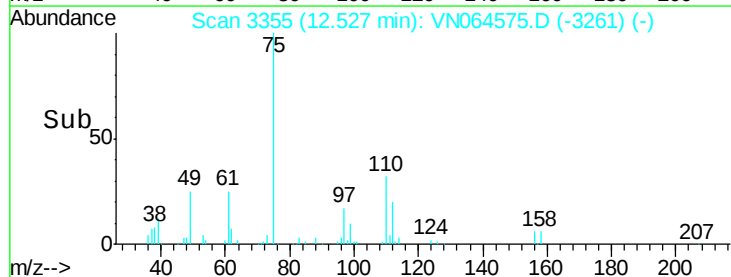
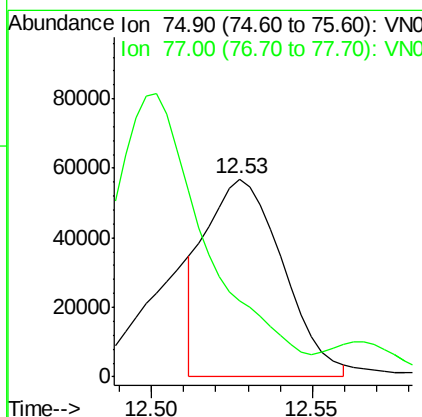
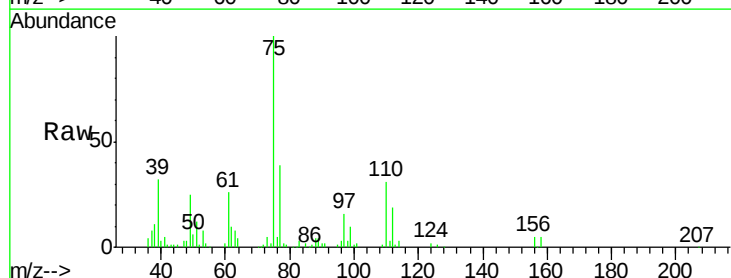
RT: 12.53 min Scan# 3355

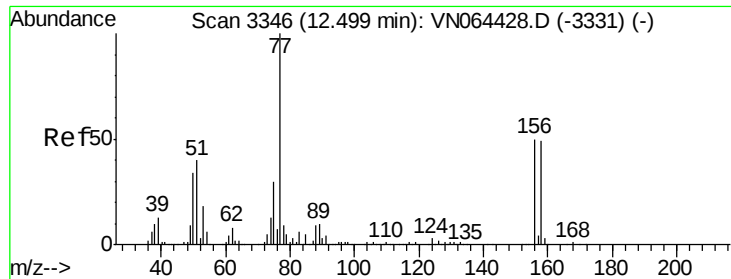
Delta R.T. 0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Tgt Ion:	75	Resp:	95195
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.062 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

Tot Ion:156 Resp: 73769

Ion Ratio Lower Upper

156 100

77 230.0 119.0 357.0

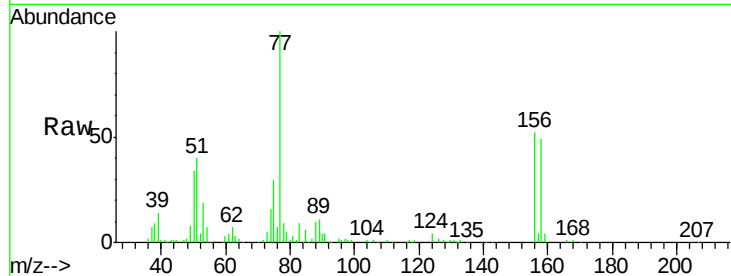
158 95.1 48.4 145.3

Manual Integrations

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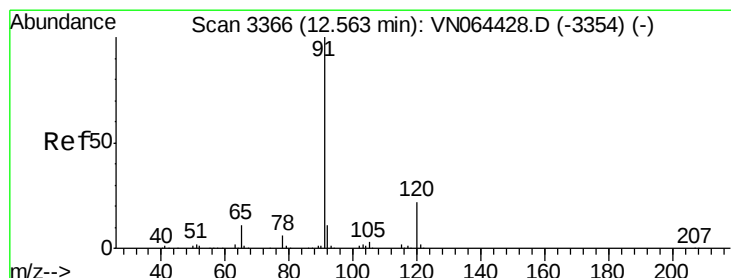
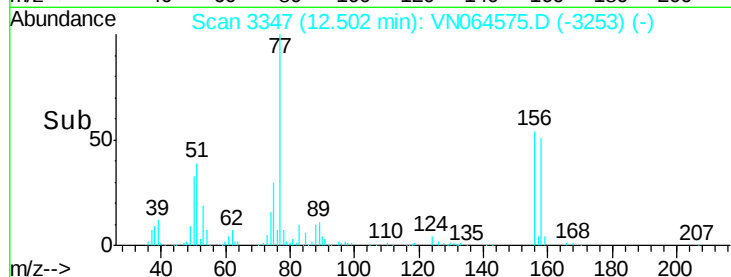
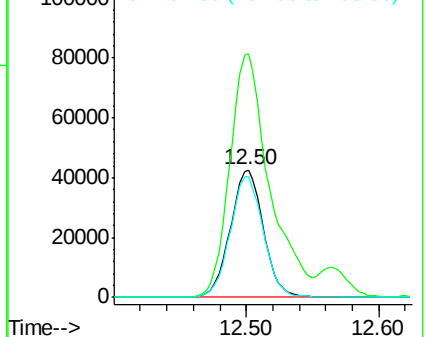
11/13/2020 11:42:16 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.869 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064575.D

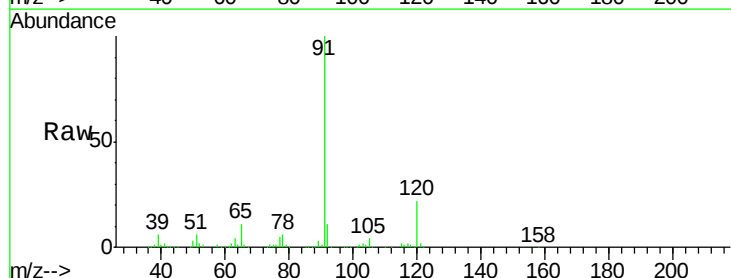
Acq: 12 Nov 2020 12:46

Tgt Ion: 91 Resp: 340799

Ion Ratio Lower Upper

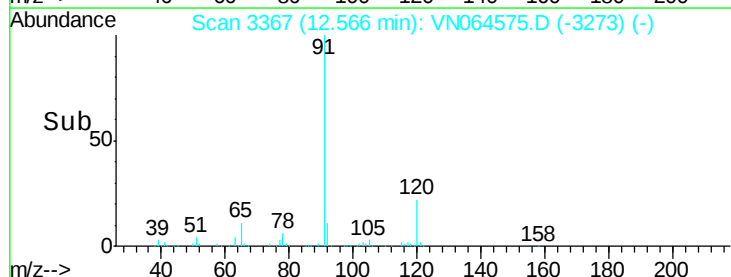
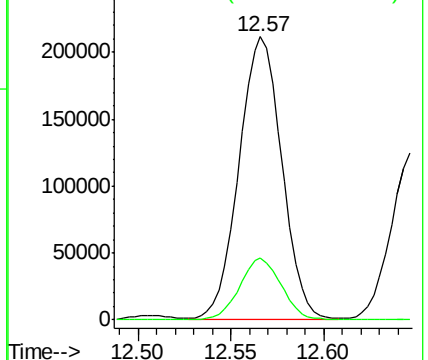
91 100

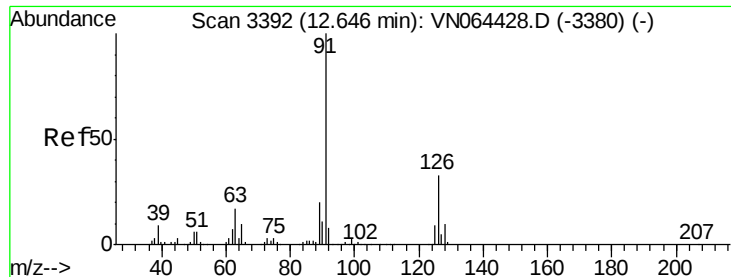
120 21.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.537 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

Tot Ion: 91 Resp: 212140

Ion Ratio Lower Upper

91 100

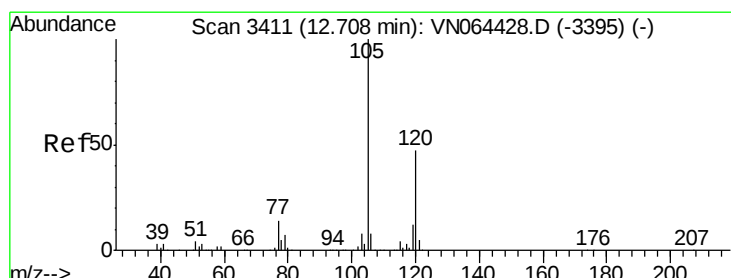
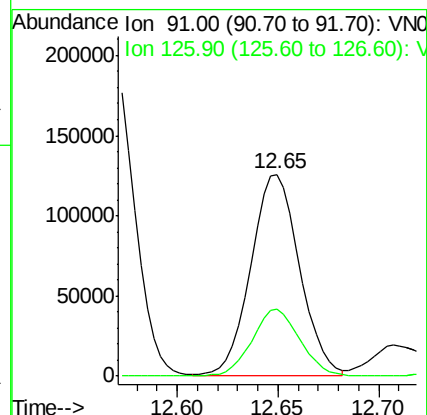
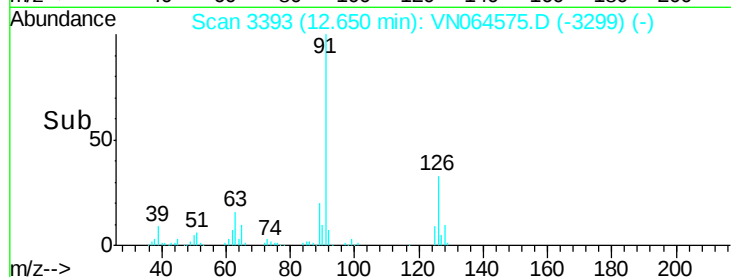
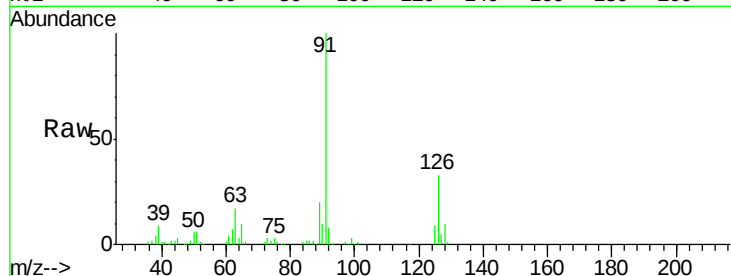
126 32.7 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 17.379 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064575.D

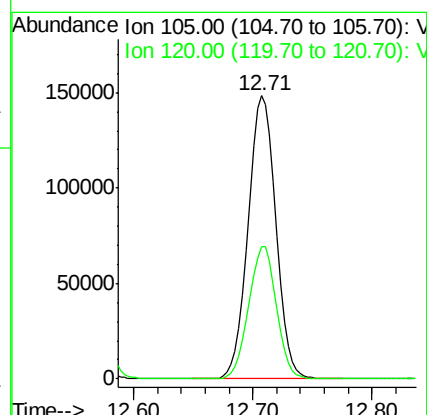
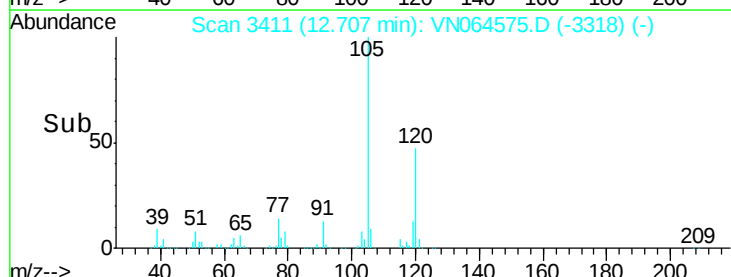
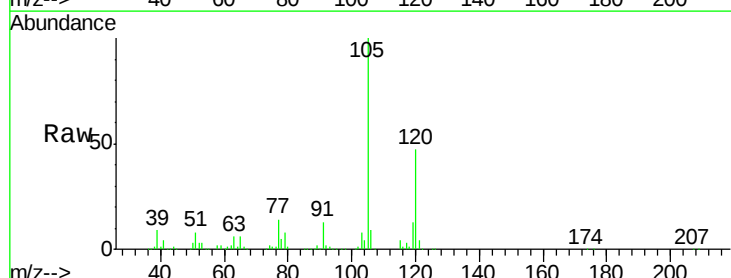
Acq: 12 Nov 2020 12:46

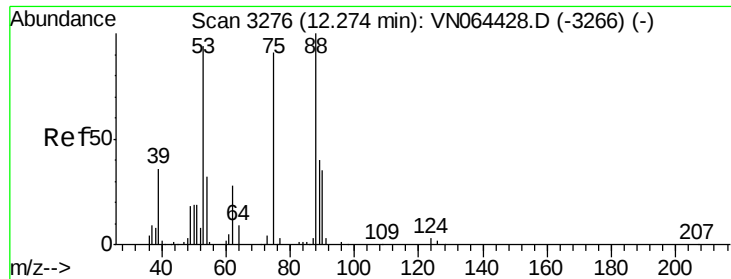
Tgt Ion: 105 Resp: 239840

Ion Ratio Lower Upper

105 100

120 46.8 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.477 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Instrument :

MSVOA_N

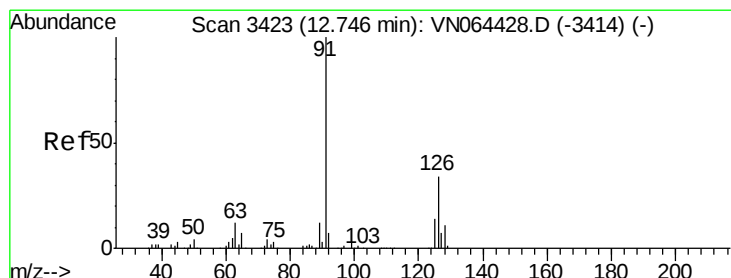
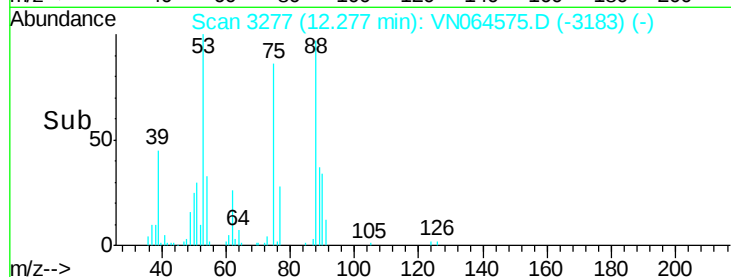
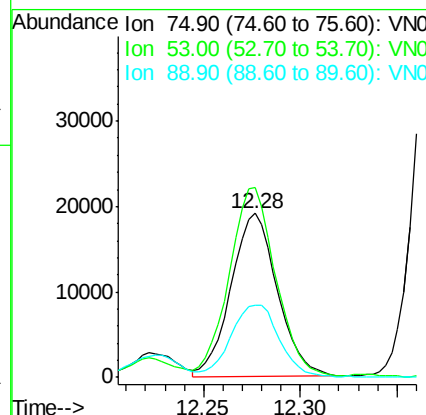
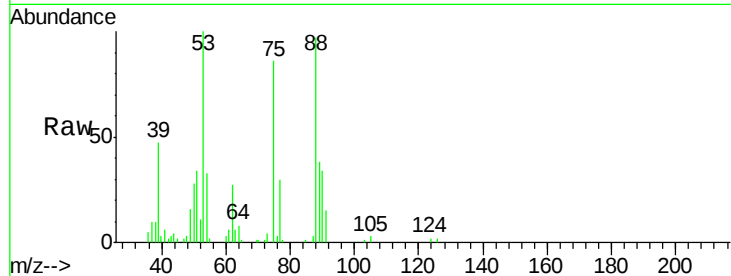
ClientSampleId :

VN1112WBSD01

Tot Ion:	75	Resp:	31920
Ion	Ratio	Lower	Upper
75	100		
53	115.3	84.0	126.0
89	46.4	36.3	54.5

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#82

4-Chlorotoluene

Concen: 17.671 ug/l

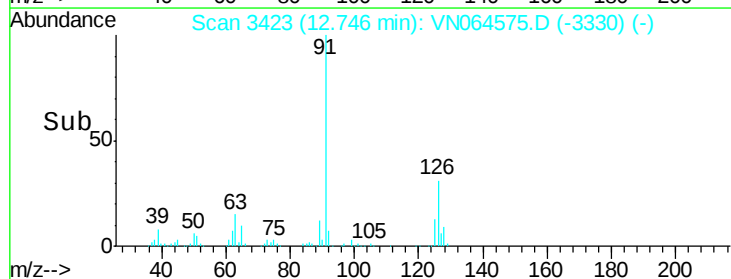
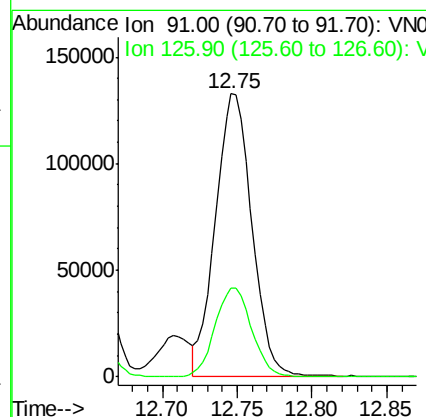
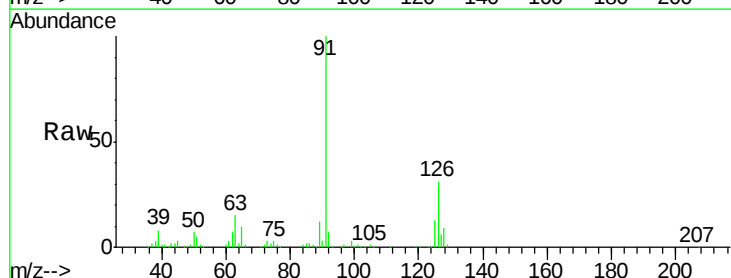
RT: 12.75 min Scan# 3423

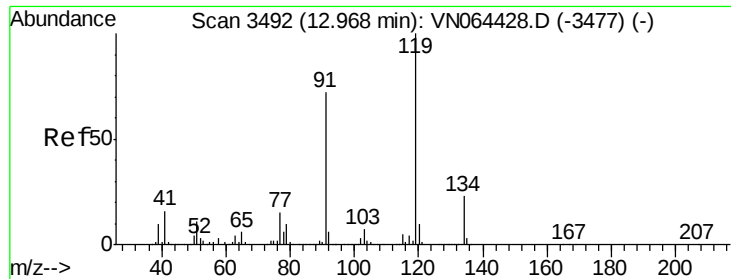
Delta R.T. -0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Tgt Ion:	91	Resp:	223857
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.4	46.2





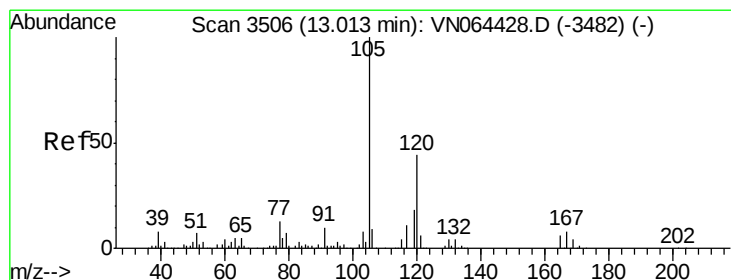
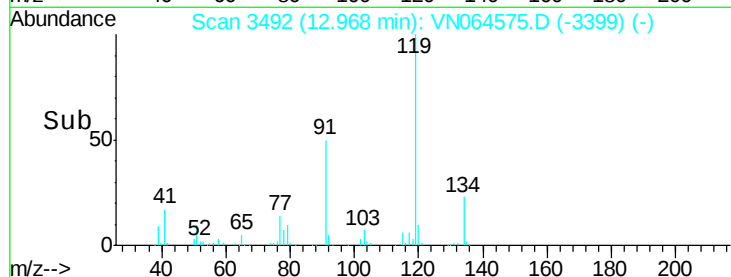
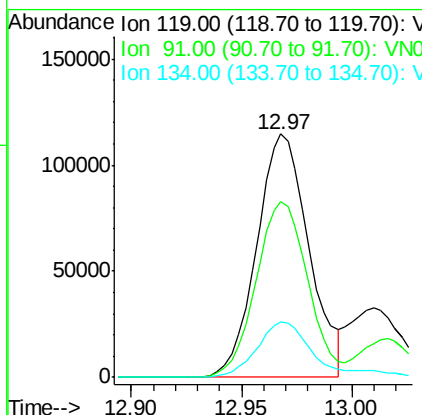
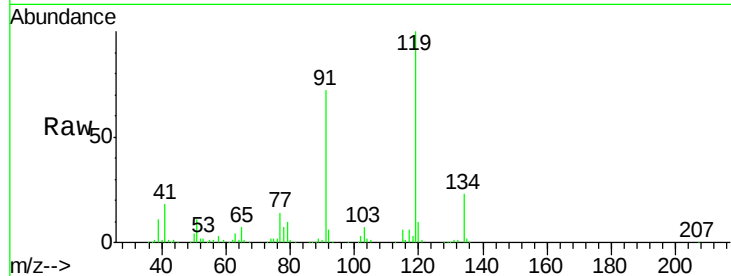
#83
 tert-Butylbenzene
 Concen: 17.526 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.1	36.1	108.3
134	25.1	11.7	35.1

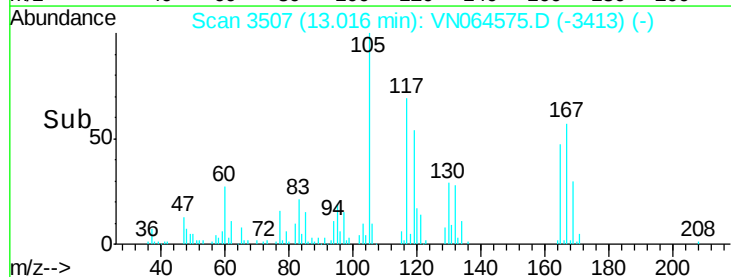
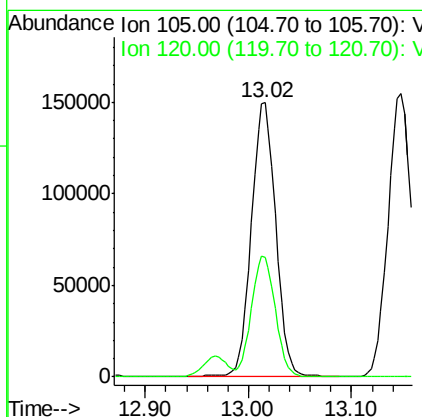
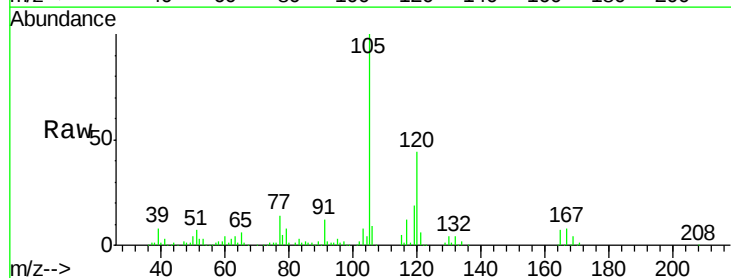
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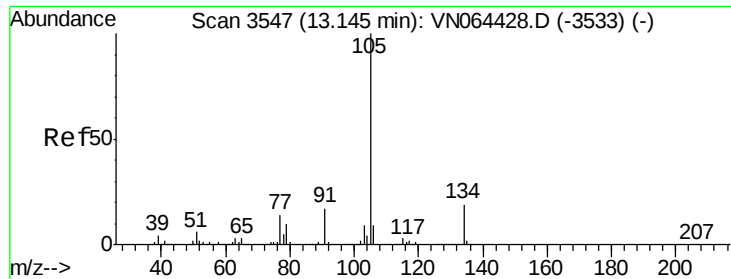
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.781 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.9	65.7





#85

sec-Butylbenzene

Concen: 17.997 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

Tot Ion:105 Resp: 245672

Ion Ratio Lower Upper

105 100

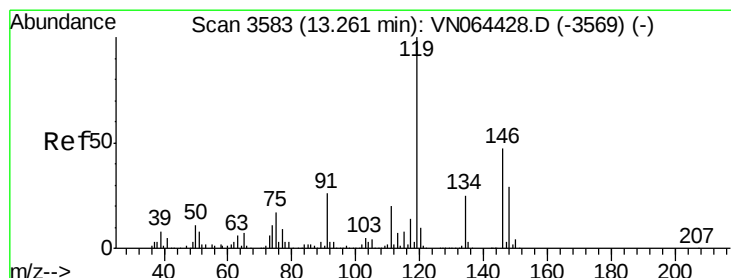
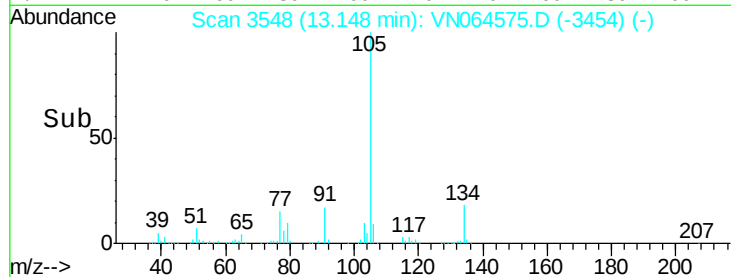
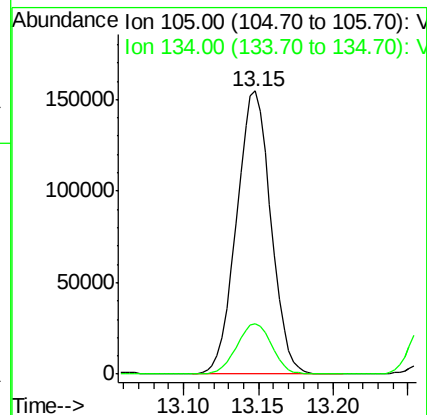
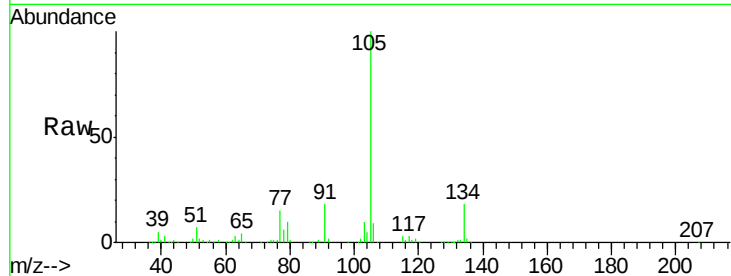
134 18.4 9.4 28.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 17.750 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064575.D

Acq: 12 Nov 2020 12:46

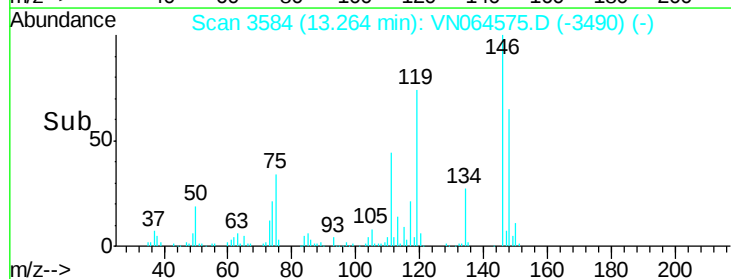
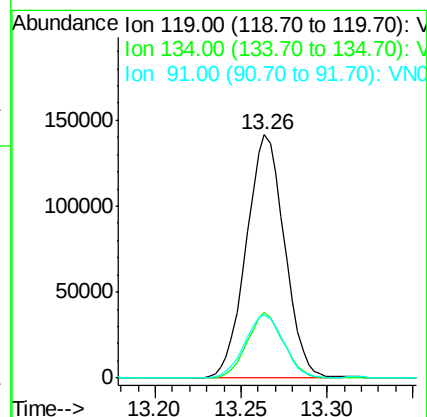
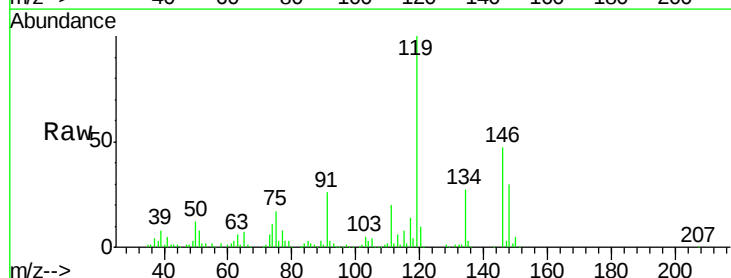
Tgt Ion:119 Resp: 217941

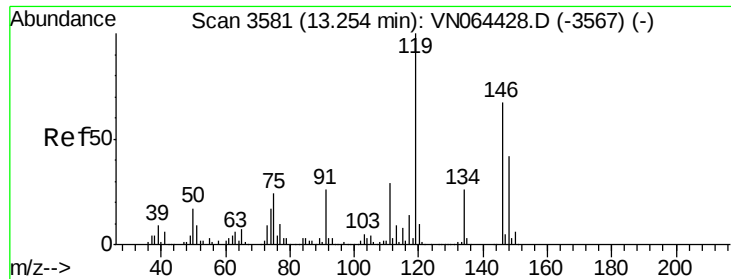
Ion Ratio Lower Upper

119 100

134 25.7 12.6 37.6

91 26.8 12.8 38.3





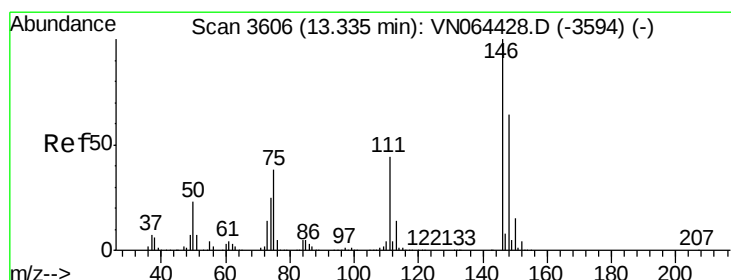
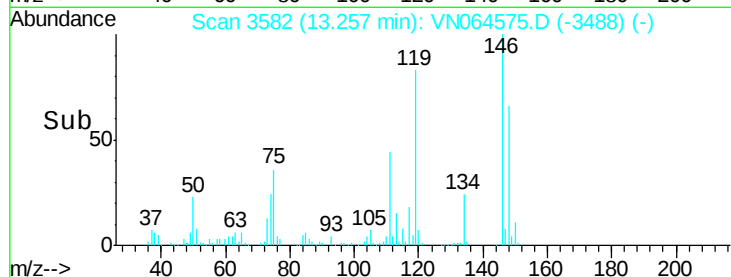
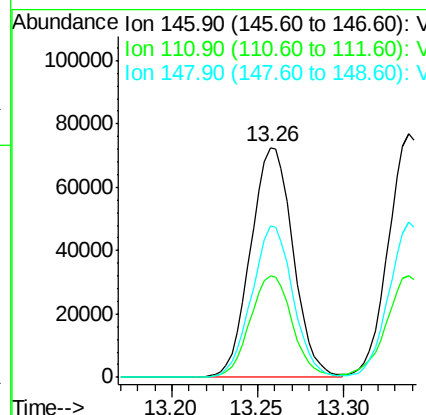
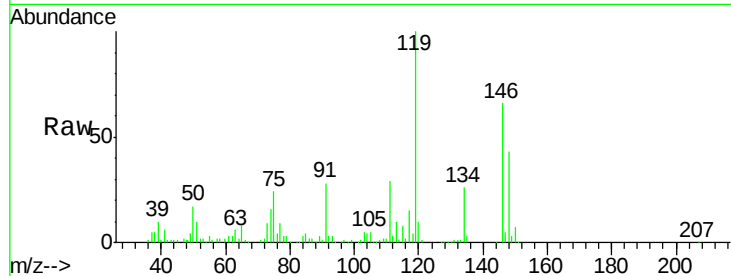
#87
 1,3-Dichlorobenzene
 Concen: 17.637 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.1	66.1
148	64.0	31.7	95.1

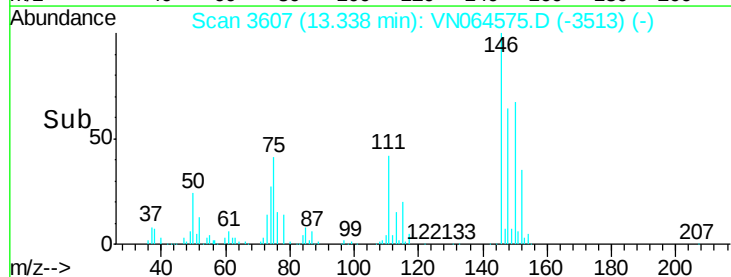
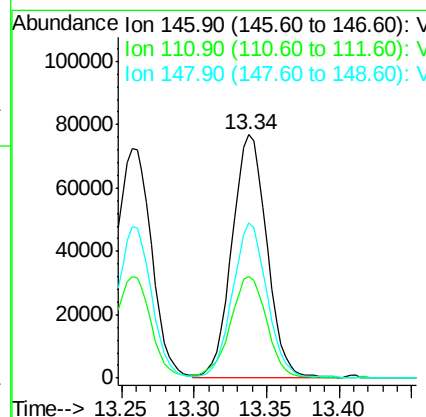
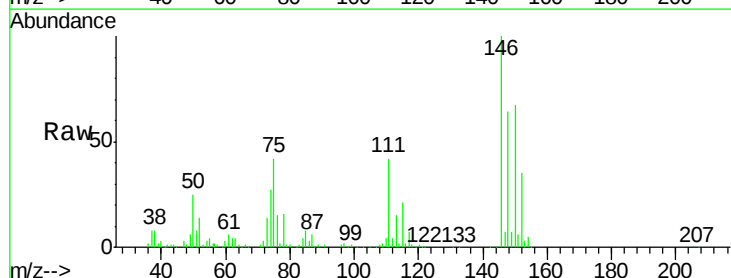
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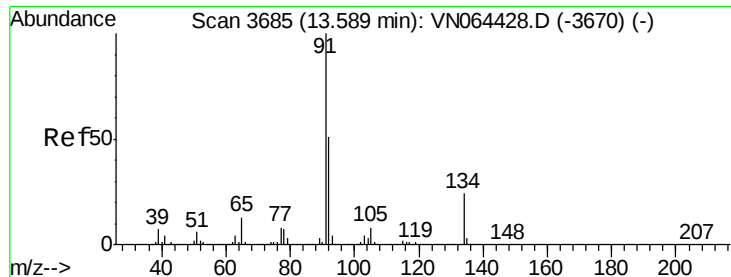
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 11/13/2020 11:42:16 AM



#88
 1,4-Dichlorobenzene
 Concen: 17.467 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.8	65.3
148	62.6	32.4	97.2





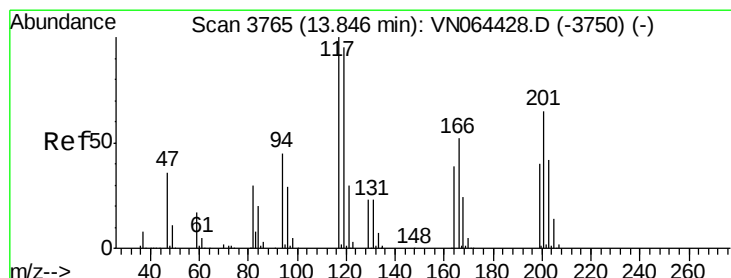
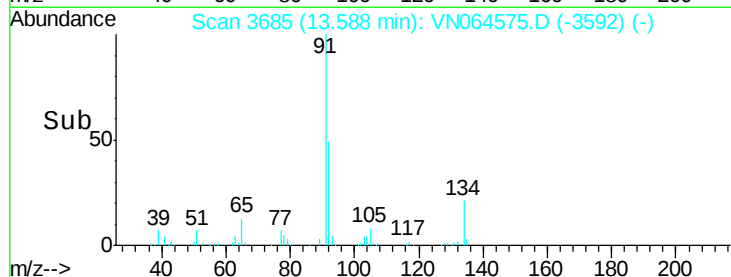
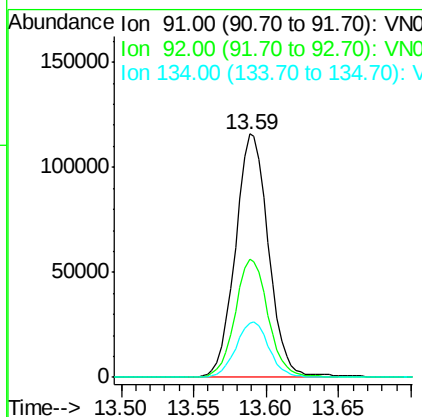
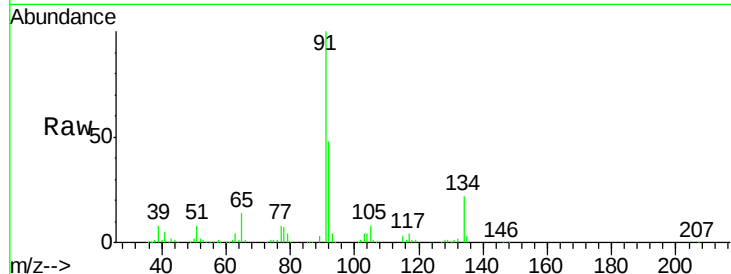
#89
n-Butylbenzene
Concen: 17.417 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.5	25.3	75.9
134	22.9	11.8	35.4

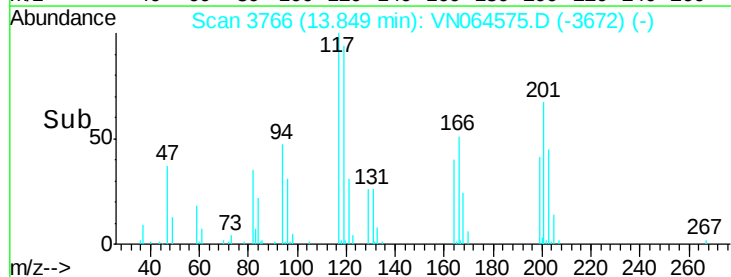
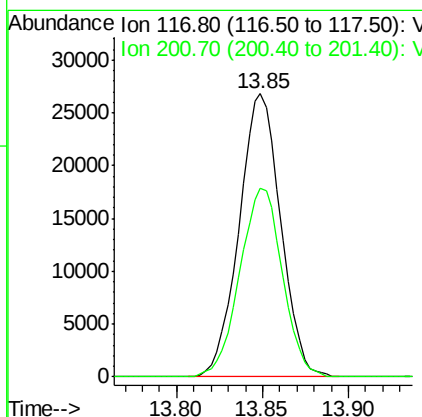
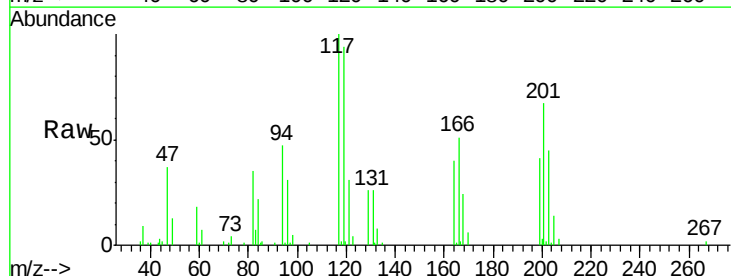
Manual Integrations
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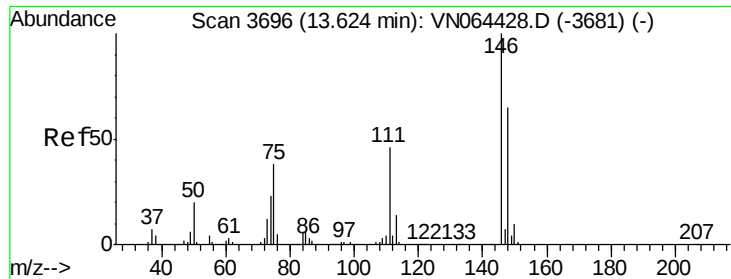
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#90
Hexachloroethane
Concen: 19.004 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.3	32.5	97.5





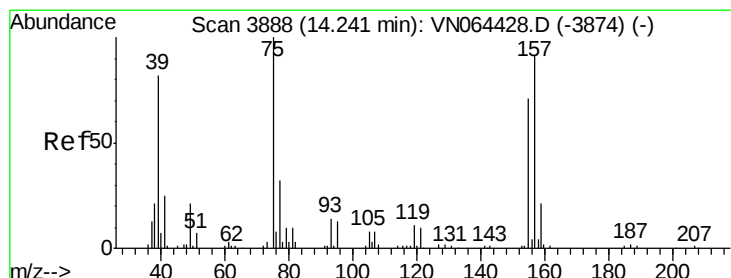
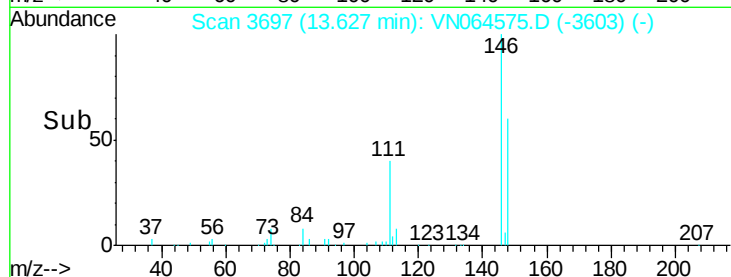
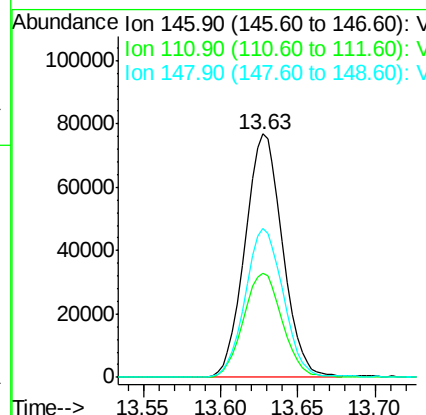
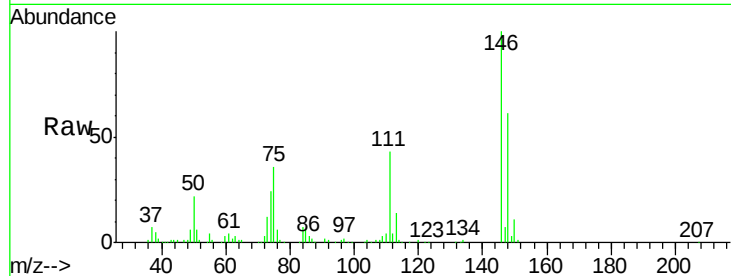
#91
 1,2-Dichlorobenzene
 Concen: 19.150 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.9	68.7
148	61.7	32.0	96.2

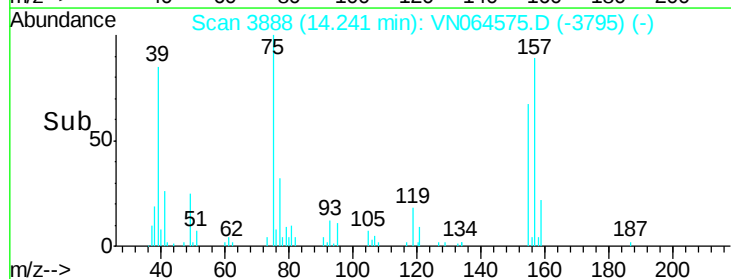
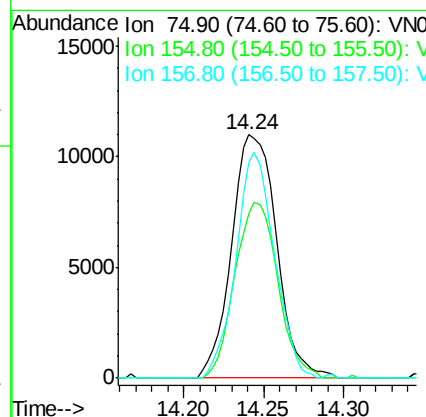
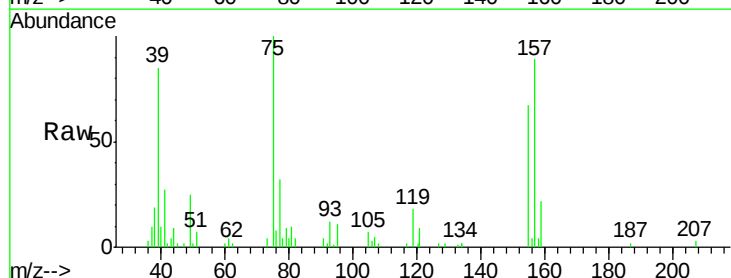
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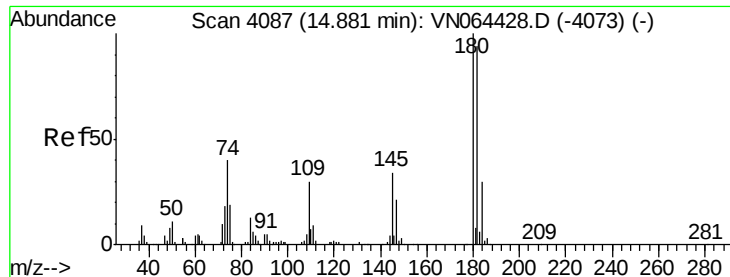
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.626 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.7	34.6	103.9
157	79.2	43.0	128.8





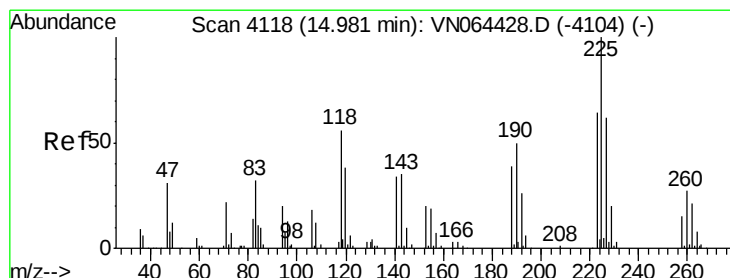
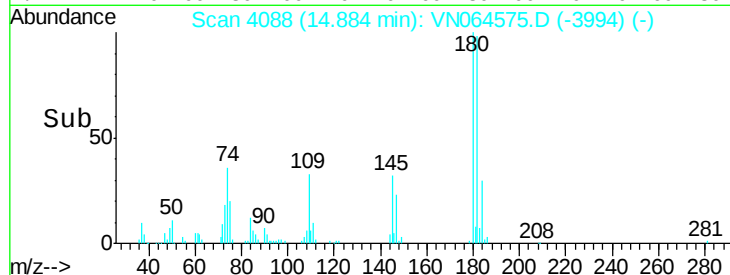
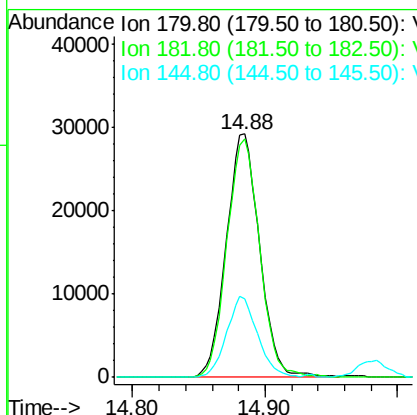
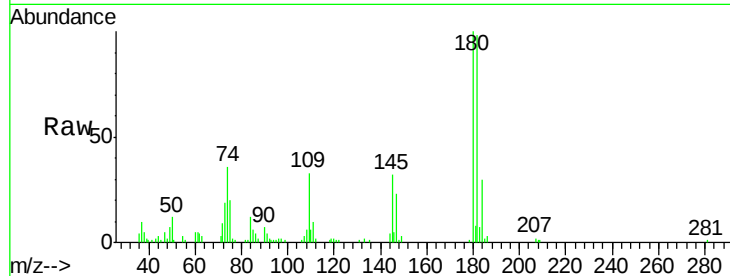
#93
 1,2,4-Trichlorobenzene
 Concen: 16.971 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	142.0
145	30.8	16.7	50.1

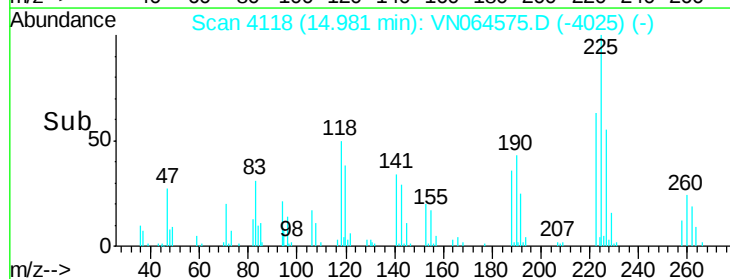
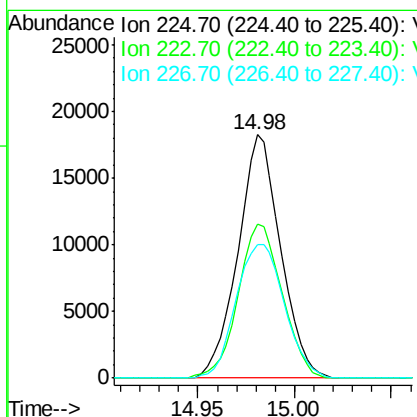
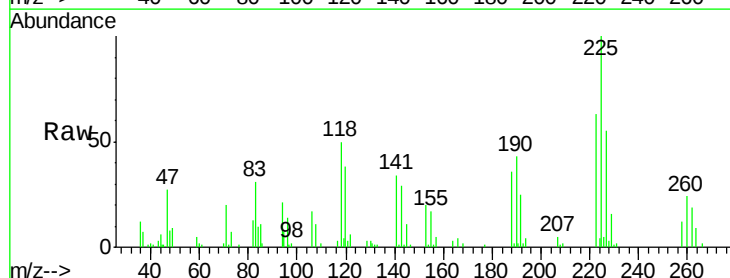
Manual Integrations
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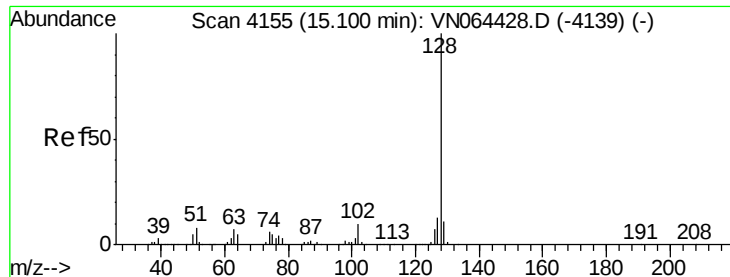
MMDadoda
 11/13/2020 11:42:16 AM



#94
 Hexachlorobutadiene
 Concen: 20.223 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064575.D
 Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.8	95.4
227	62.1	31.8	95.4





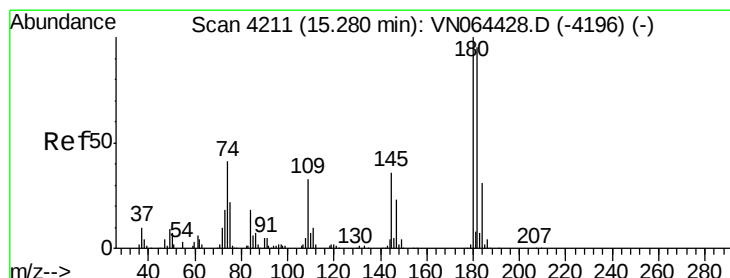
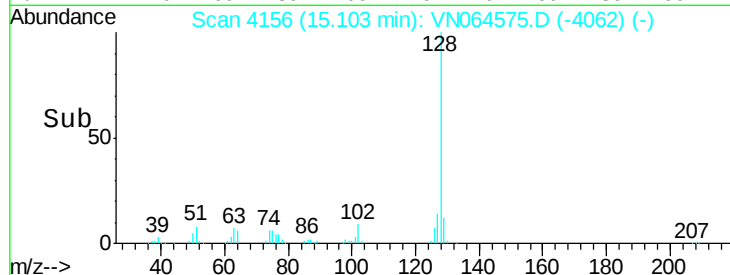
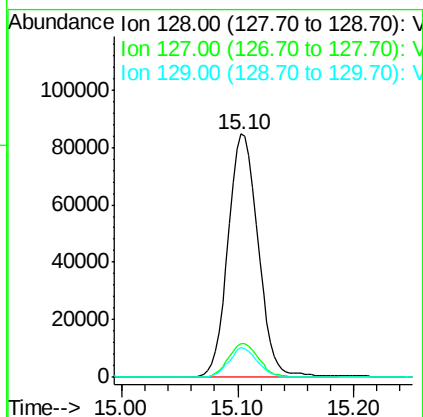
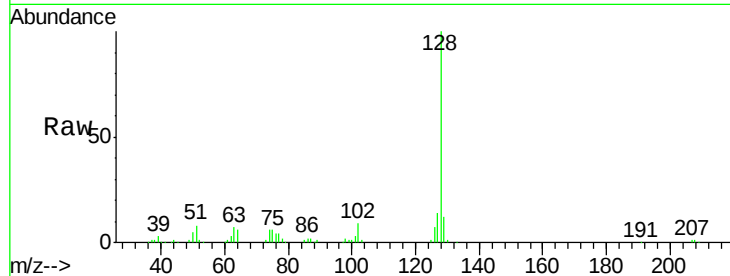
#95
Naphthalene
Concen: 15.909 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.5	15.7
129	11.5	8.8	13.2

Manual Integrations
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11/13/2020 11:42:16 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.415 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.01 min
Lab File: VN064575.D
Acq: 12 Nov 2020 12:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.5	47.7	143.1
145	33.9	18.3	54.8

