

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060170.D
 Acq On : 20 Feb 2020 14:15
 Operator : JC/MD
 Sample : VN0220WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 9:14:58 AM

Quant Time: Feb 21 03:12:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	221072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	351321	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	325764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156373	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	136877	50.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.76%	
35) Dibromofluoromethane	7.56	113	108268	50.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.26%	
50) Toluene-d8	10.08	98	418356	49.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.40	95	151074	48.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	42032	19.021	ug/l	100
3) Chloromethane	2.04	50	50890	19.352	ug/l	97
4) Vinyl Chloride	2.17	62	56074	18.708	ug/l	100
5) Bromomethane	2.55	94	37275	20.281	ug/l	98
6) Chloroethane	2.69	64	30723	20.265	ug/l	99
7) Trichlorofluoromethane	3.00	101	75357	19.500	ug/l	97
8) Diethyl Ether	3.39	74	26834	20.859	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	41914	19.535	ug/l	99
10) Methyl Iodide	3.93	142	54970	20.604	ug/l	99
11) Tert butyl alcohol	4.73	59	40717	101.146	ug/l	100
12) 1,1-Dichloroethene	3.72	96	41978	20.084	ug/l	97
13) Acrolein	3.58	56	35116	88.253	ug/l	96
14) Allyl chloride	4.29	41	62275	20.243	ug/l	92
15) Acrylonitrile	4.94	53	100988	102.725	ug/l	99
16) Acetone	3.78	43	99113	84.467	ug/l	97
17) Carbon Disulfide	4.03	76	114917	18.241	ug/l	98
18) Methyl Acetate	4.29	43	48831	22.153	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	140312	19.962	ug/l	99
20) Methylene Chloride	4.52	84	45396	19.392	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	44731	19.632	ug/l	93
22) Diisopropyl ether	5.92	45	135401	20.083	ug/l	96
23) Vinyl Acetate	5.86	43	566177	99.998	ug/l	100
24) 1,1-Dichloroethane	5.82	63	80845	19.794	ug/l	98
25) 2-Butanone	6.80	43	137111	92.909	ug/l	98
26) 2,2-Dichloropropane	6.80	77	74053	19.089	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	50212	18.831	ug/l	98
28) Bromochloromethane	7.17	49	33069	20.595	ug/l	98
29) Tetrahydrofuran	7.18	42	90251	99.687	ug/l	98
30) Chloroform	7.35	83	81768	19.112	ug/l	99
31) Cyclohexane	7.63	56	73434	19.301	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	75277	19.254	ug/l	98
36) 1,1-Dichloropropene	7.77	75	60904	18.716	ug/l	99
37) Ethyl Acetate	6.90	43	59574	20.257	ug/l	99
38) Carbon Tetrachloride	7.75	117	65071	18.412	ug/l	100

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	74016	18.324	ug/l	99
40) Benzene	8.02	78	180826	18.733	ug/l	98
41) Methacrylonitrile	7.15	41	24975m	20.250	ug/l	
42) 1,2-Dichloroethane	8.10	62	65067	19.233	ug/l	99
43) Isopropyl Acetate	8.14	43	99833	19.858	ug/l	99
44) Trichloroethene	8.82	130	49216	18.414	ug/l	92
45) 1,2-Dichloropropane	9.10	63	46991	19.663	ug/l	96
46) Dibromomethane	9.19	93	31422	18.606	ug/l	98
47) Bromodichloromethane	9.39	83	63884	18.606	ug/l	99
48) Methyl methacrylate	9.18	41	41562	18.426	ug/l	99
49) 1,4-Dioxane	9.18	88	15871	411.819	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	285050	97.959	ug/l	100
52) Toluene	10.14	92	116943	18.892	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	71881	18.547	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	77739	19.049	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	45243	18.735	ug/l	99
56) Ethyl methacrylate	10.42	69	64728	18.948	ug/l	97
57) 1,3-Dichloropropane	10.70	76	76764	19.265	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	157226	98.792	ug/l	100
59) 2-Hexanone	10.74	43	206567	91.897	ug/l	100
60) Dibromochloromethane	10.89	129	50544	18.239	ug/l	99
61) 1,2-Dibromoethane	10.99	107	47041	18.582	ug/l	100
64) Tetrachloroethene	10.62	164	46248	18.675	ug/l	99
65) Chlorobenzene	11.43	112	122678	18.484	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	47193	18.796	ug/l	99
67) Ethyl Benzene	11.50	91	226684	18.937	ug/l	99
68) m/p-Xylenes	11.62	106	172028	38.291	ug/l	99
69) o-Xylene	11.94	106	81897	18.933	ug/l	98
70) Styrene	11.96	104	128507	18.423	ug/l	99
71) Bromoform	12.12	173	36112	17.882	ug/l #	98
73) Isopropylbenzene	12.24	105	220731	18.903	ug/l	99
74) N-amyl acetate	12.06	43	79253	18.822	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	63742	18.965	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	57743m	19.301	ug/l	
77) Bromobenzene	12.52	156	60865	21.003	ug/l	89
78) n-propylbenzene	12.59	91	245127	18.425	ug/l	98
79) 2-Chlorotoluene	12.67	91	147151	18.818	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	185889	19.146	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	23119	18.921	ug/l	99
82) 4-Chlorotoluene	12.77	91	149687	18.658	ug/l	99
83) tert-Butylbenzene	12.99	119	157749	18.367	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	190406	19.867	ug/l	100
85) sec-Butylbenzene	13.17	105	208021	18.288	ug/l	100
86) p-Isopropyltoluene	13.28	119	189582	18.396	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	94749	18.471	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	94594	18.444	ug/l	99
89) n-Butylbenzene	13.61	91	167310	18.458	ug/l	99
90) Hexachloroethane	13.87	117	33756	17.533	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	92717	18.469	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	13042	17.752	ug/l	97

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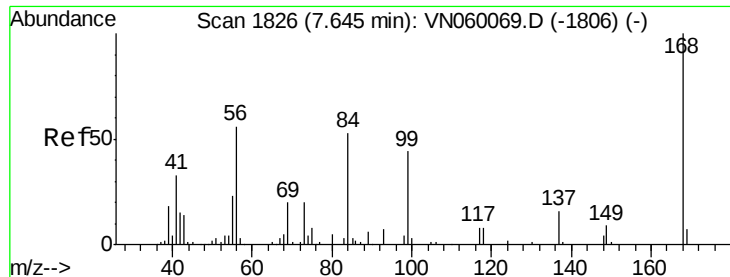
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	56279	19.080	ug/l	99
94) Hexachlorobutadiene	15.01	225	30477	17.649	ug/l	99
95) Naphthalene	15.13	128	168248	21.116	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	56148	19.115	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBSD01

Tot Ion:168 Resp: 221072

Ion Ratio Lower Upper

168 100

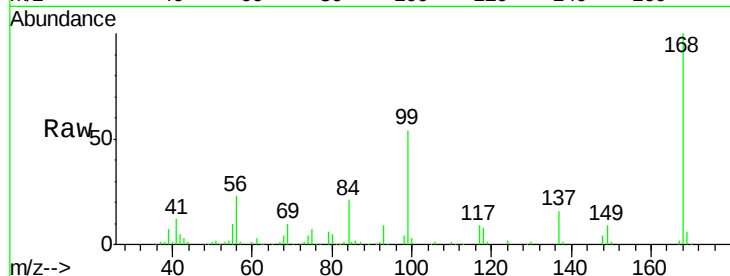
99 54.0 42.7 64.1

Manual Integrations

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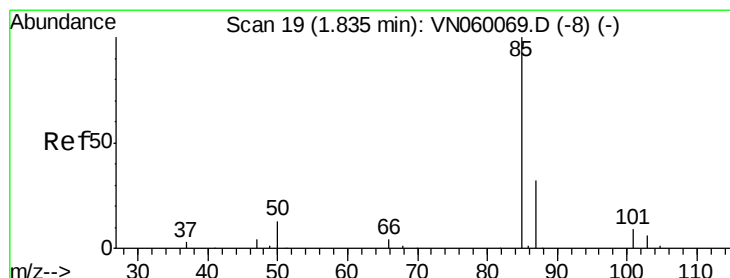
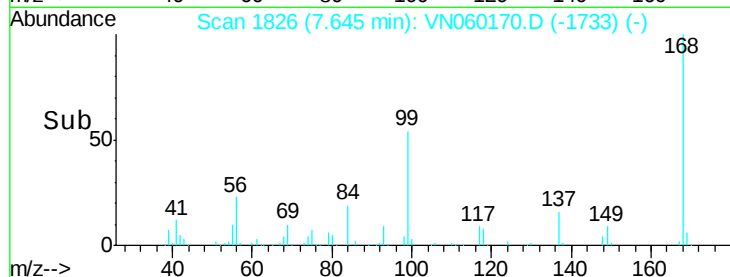
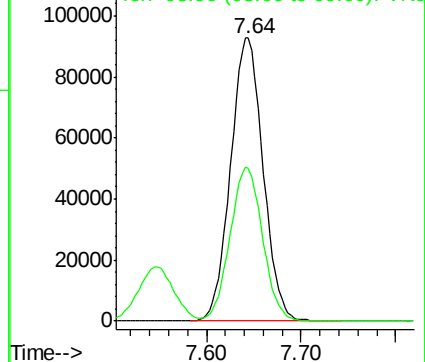
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.021 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060170.D

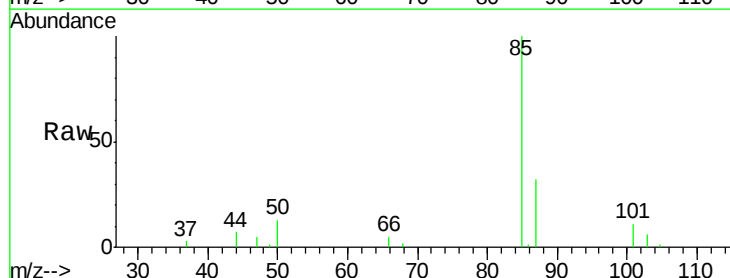
Acq: 20 Feb 2020 14:15

Tgt Ion: 85 Resp: 42032

Ion Ratio Lower Upper

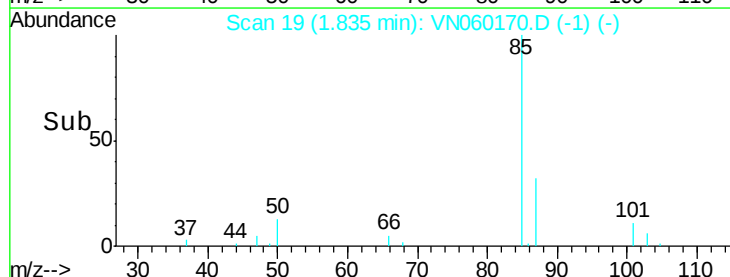
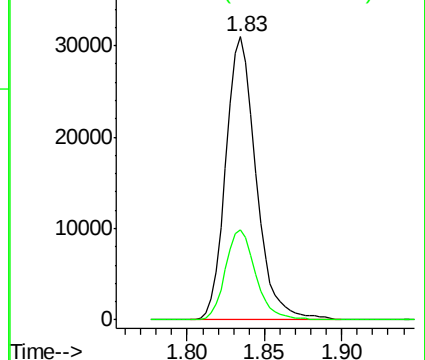
85 100

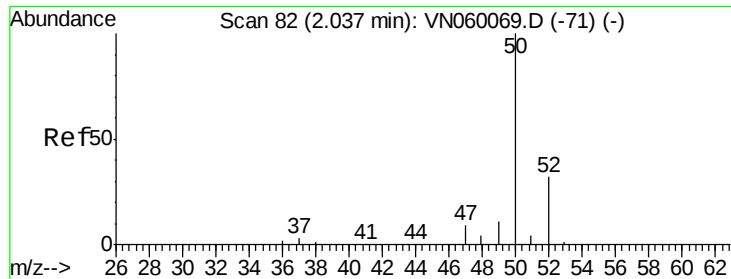
87 31.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.352 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBSD01

Tot Ion: 50 Resp: 50890

Ion Ratio Lower Upper

50 100

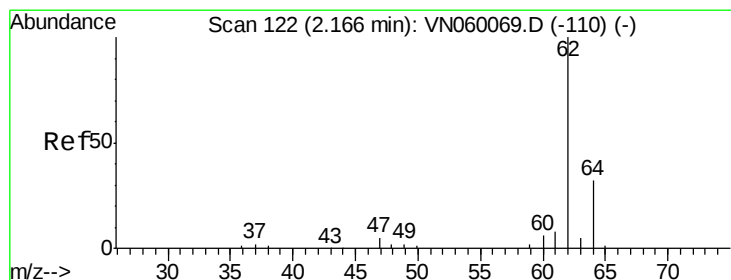
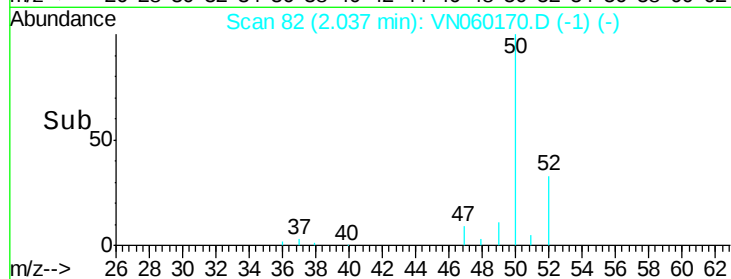
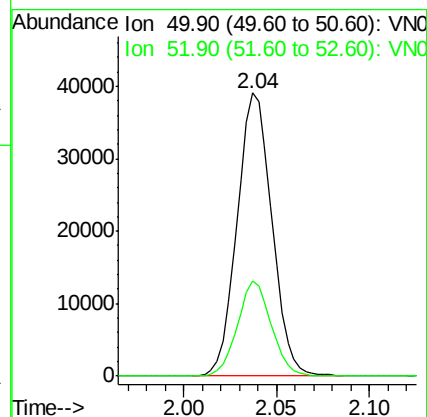
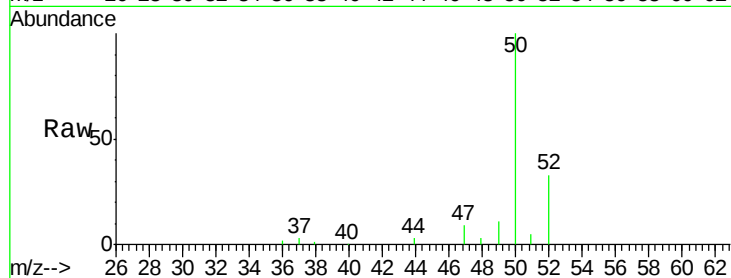
52 33.4 25.6 38.4

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#4

Vinyl Chloride

Concen: 18.708 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060170.D

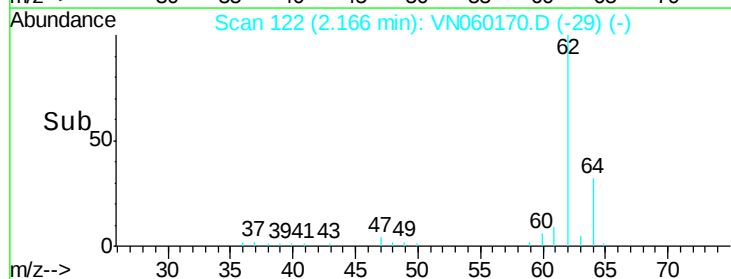
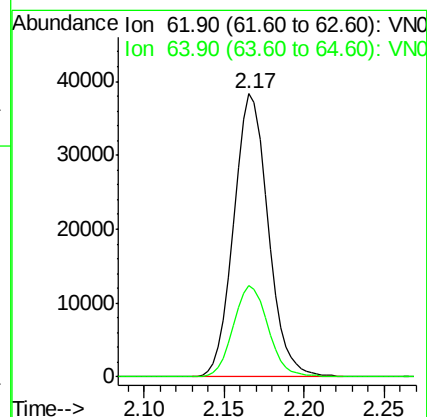
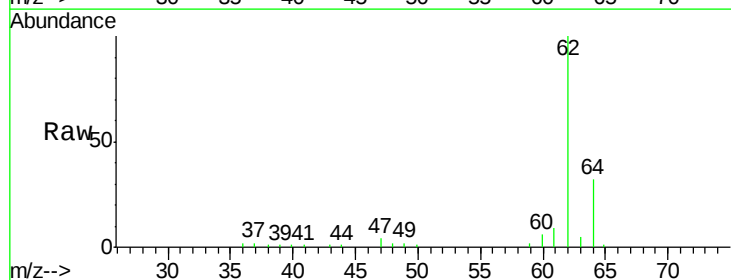
Acq: 20 Feb 2020 14:15

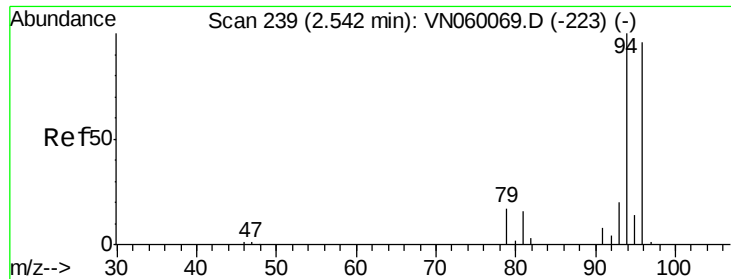
Tgt Ion: 62 Resp: 56074

Ion Ratio Lower Upper

62 100

64 32.2 25.9 38.9





#5

Bromomethane

Concen: 20.281 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBSD01

Tot Ion: 94 Resp: 37275

Ion Ratio Lower Upper

94 100

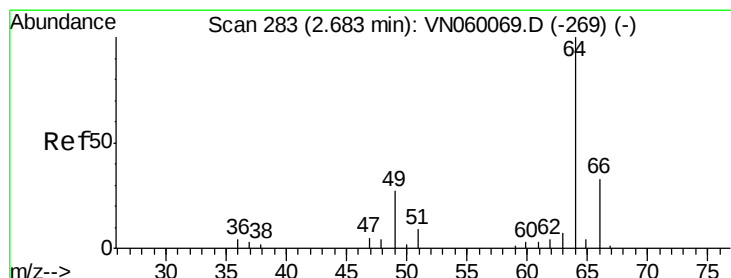
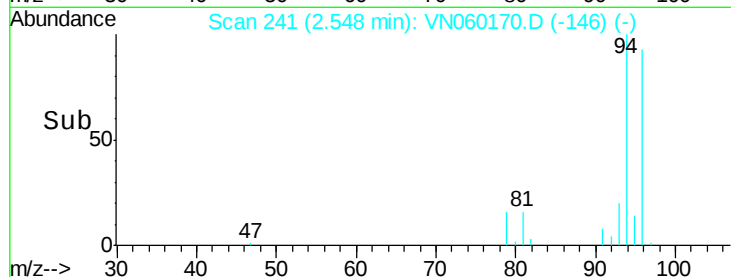
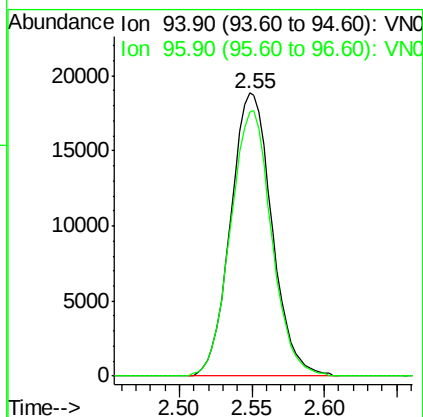
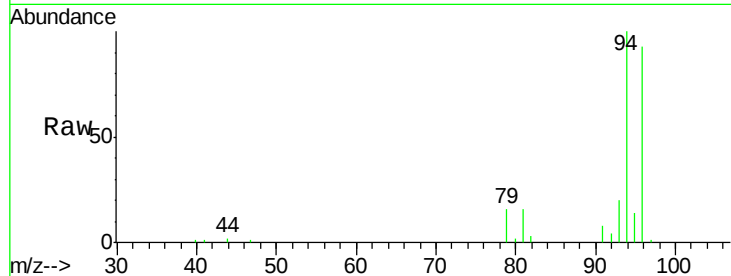
96 93.5 76.7 115.1

Manual Integrations

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#6

Chloroethane

Concen: 20.265 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060170.D

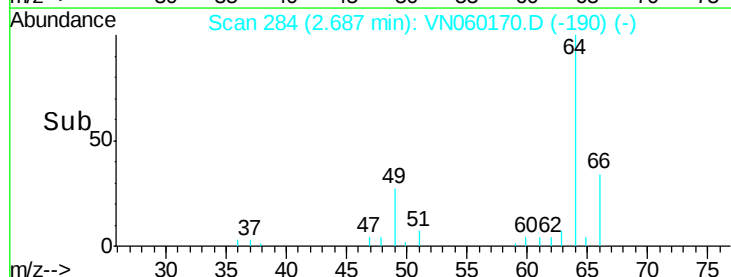
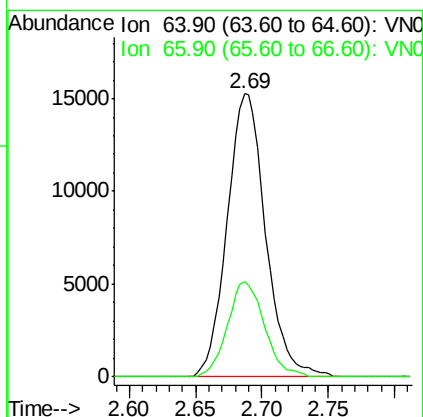
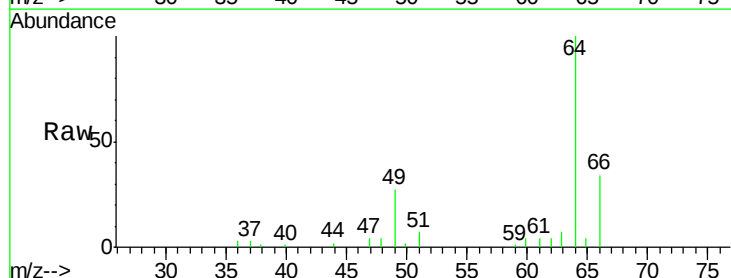
Acq: 20 Feb 2020 14:15

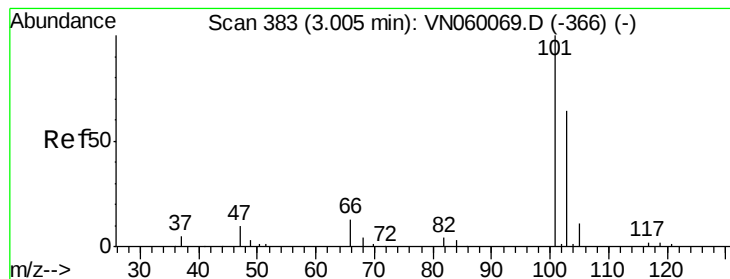
Tgt Ion: 64 Resp: 30723

Ion Ratio Lower Upper

64 100

66 33.9 26.6 40.0





#7

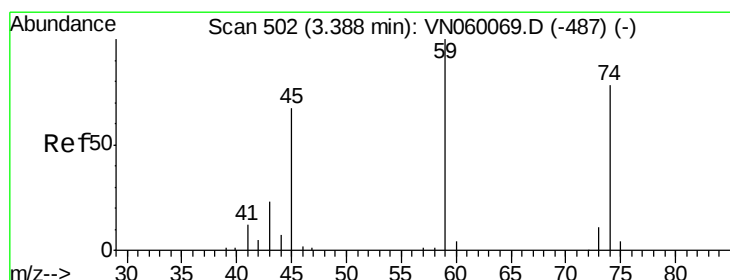
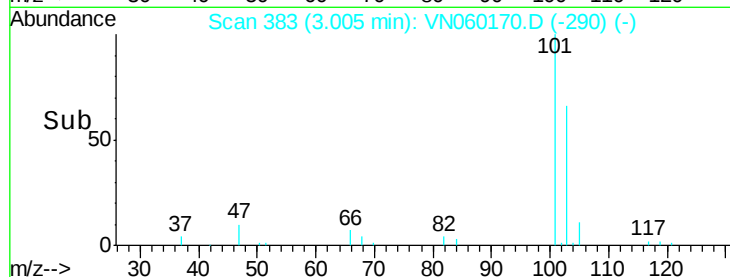
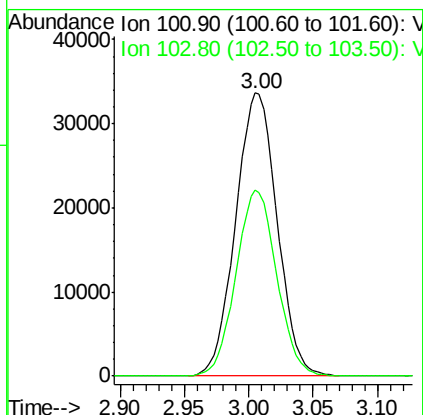
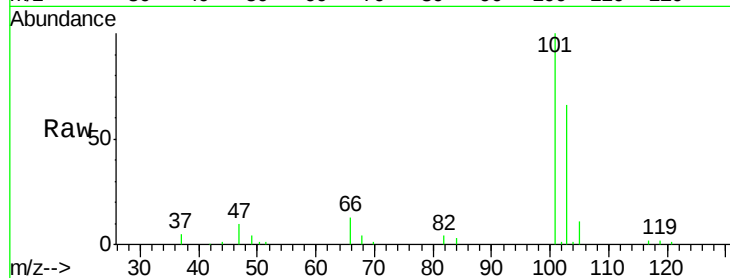
Trichlorofluoromethane
Concen: 19.500 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Instrument :
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ClientSampleId :
VN0220WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.0	76.6

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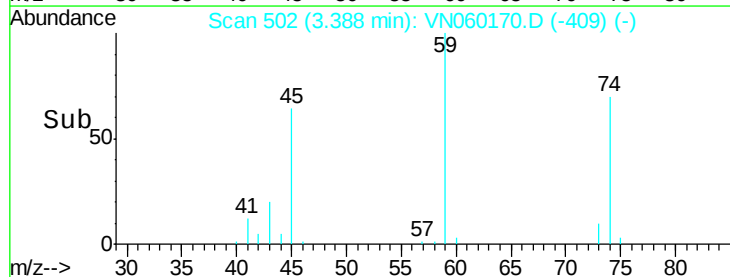
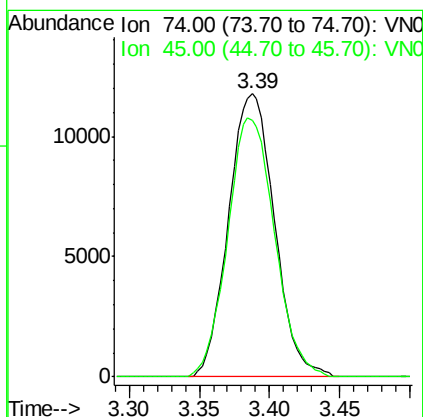
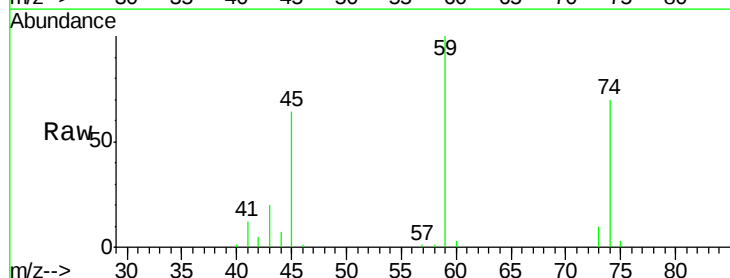
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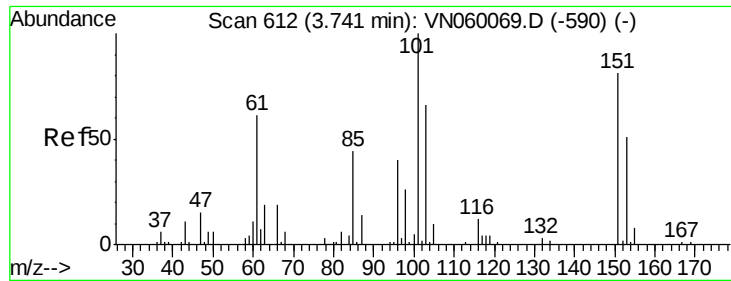


#8

Diethyl Ether
Concen: 20.859 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	44.7	134.1





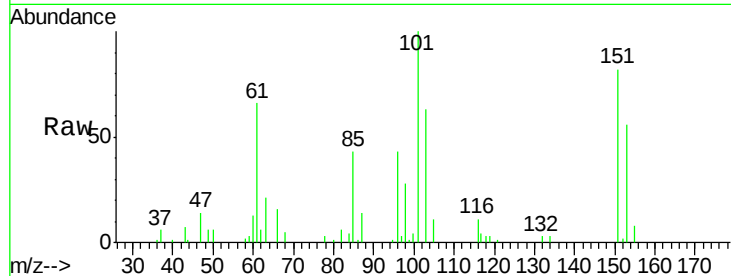
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.535 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN060170.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.1	52.7
151	81.5	65.8	98.6

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2/21/2020 9:14:58 AM

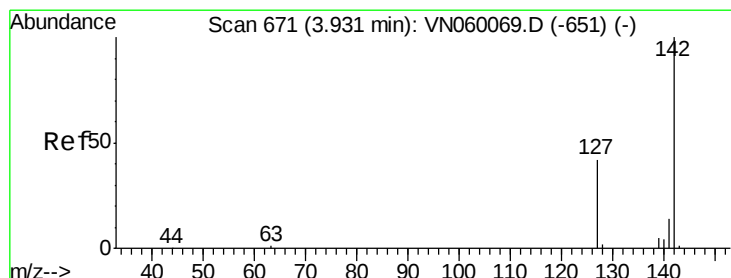
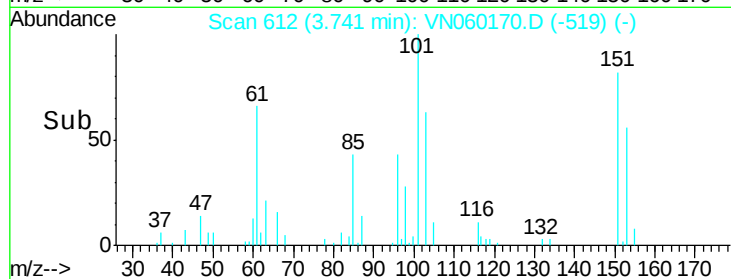
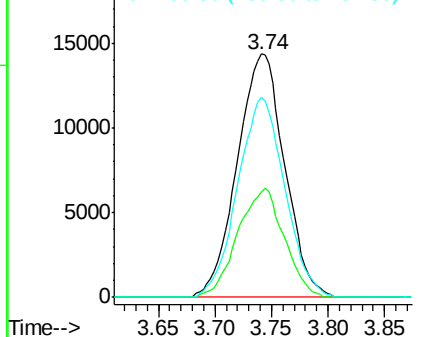


Abundance

Ion 100.90 (100.60 to 101.60): V

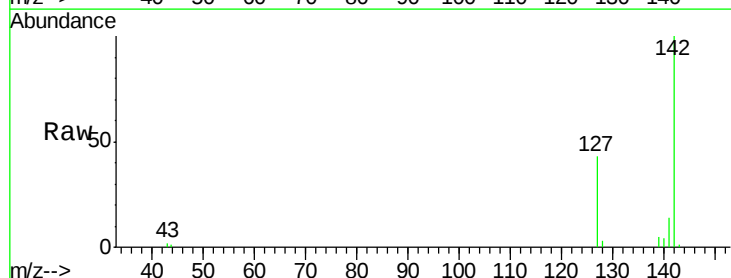
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 20.604 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.2	33.6	50.4
141	13.7	11.4	17.2

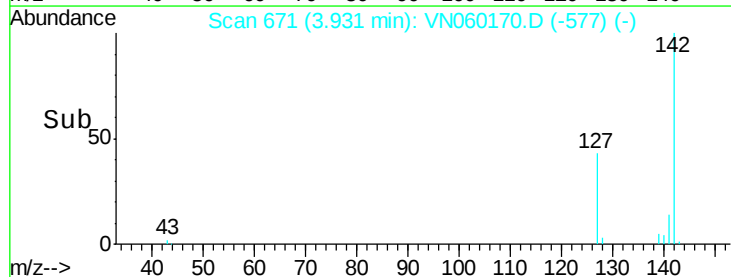
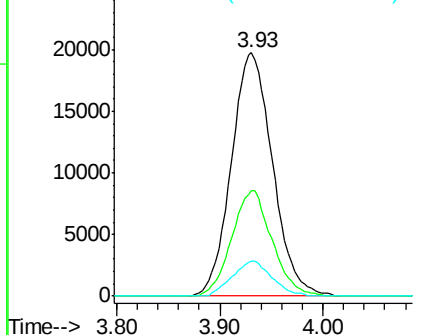


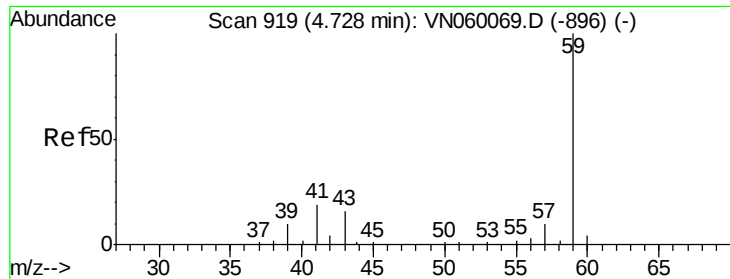
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





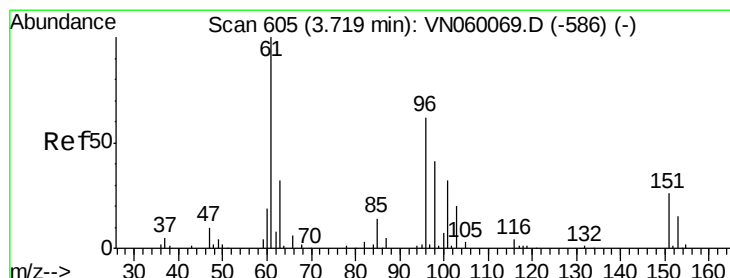
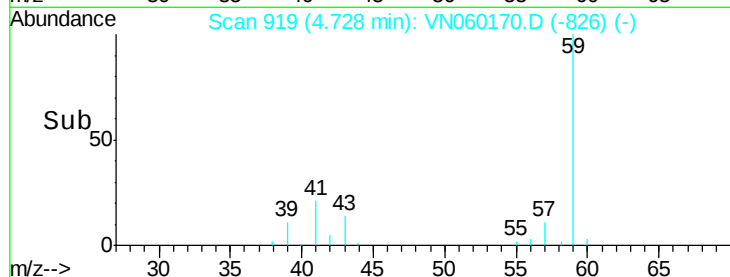
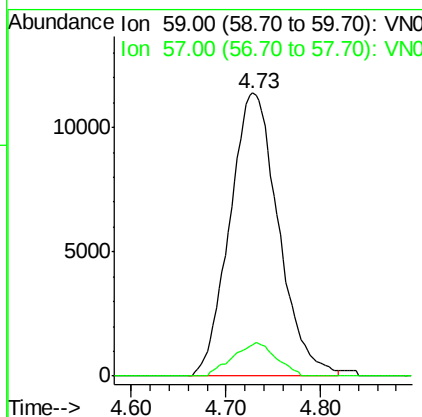
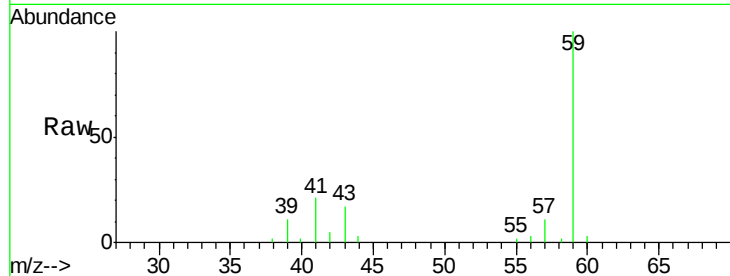
#11
Tert butyl alcohol
Concen: 101.146 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Instrument :
MSVOA_N
ClientSampled :
VN0220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	40717		
57	10.5		8.2	12.4

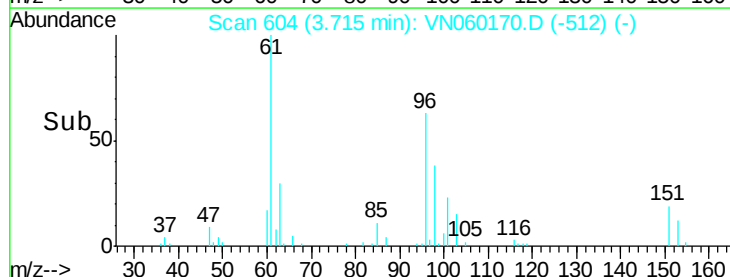
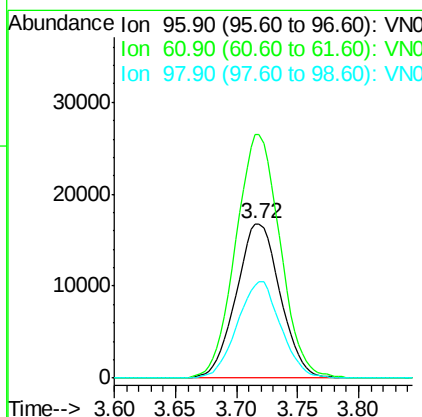
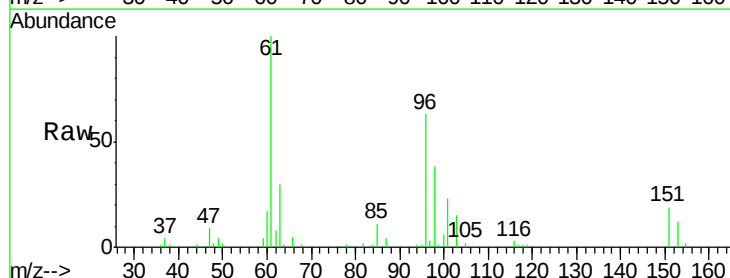
Manual Integrations
APPROVED

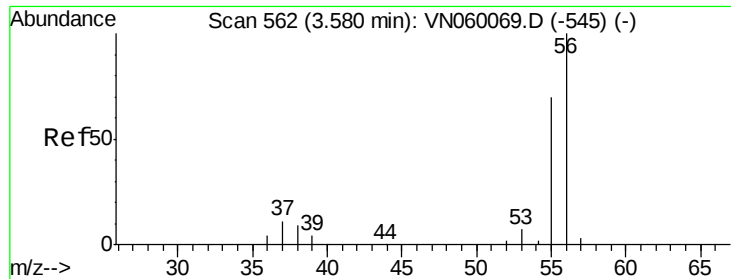
MMDadoda
2/21/2020 9:14:58 AM



#12
1,1-Dichloroethene
Concen: 20.084 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	41978		
61	157.6		128.3	192.5
98	60.2		52.2	78.4





#13

Acrolein

Concen: 88.253 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBSD01

Tot Ion: 56 Resp: 35116

Ion Ratio Lower Upper

56 100

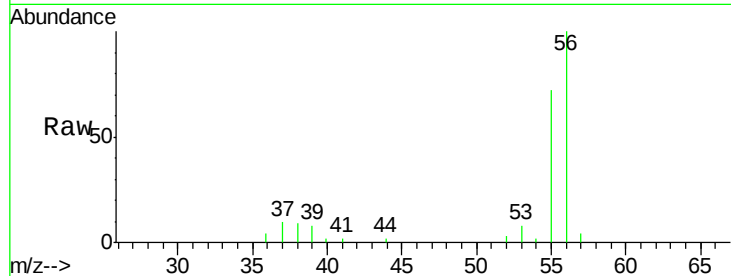
55 71.7 54.8 82.2

Manual Integrations

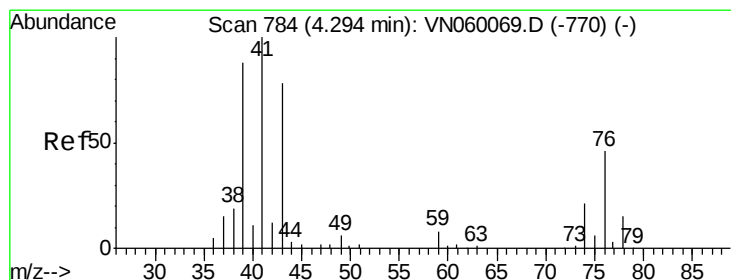
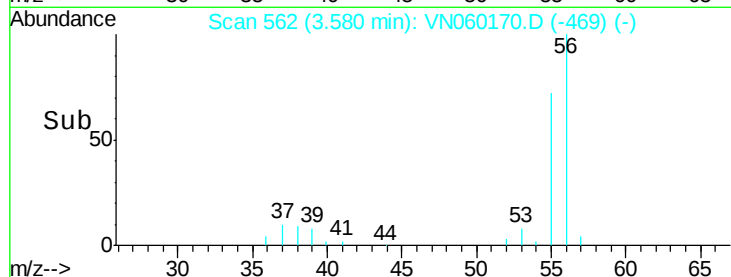
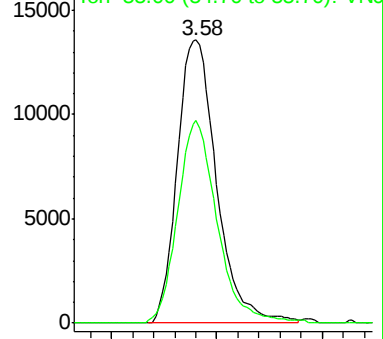
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Abundance Ion 56.00 (55.70 to 56.70): VN060170.D (-469) (-)



#14

Allyl chloride

Concen: 20.243 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

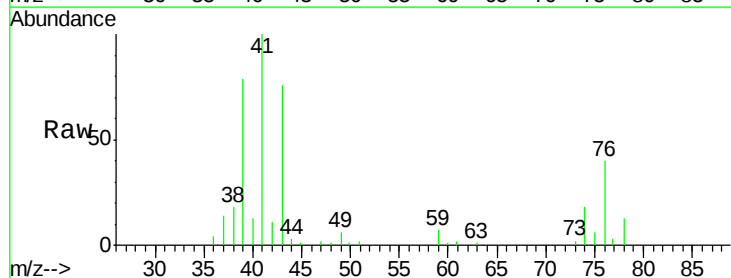
Tgt Ion: 41 Resp: 62275

Ion Ratio Lower Upper

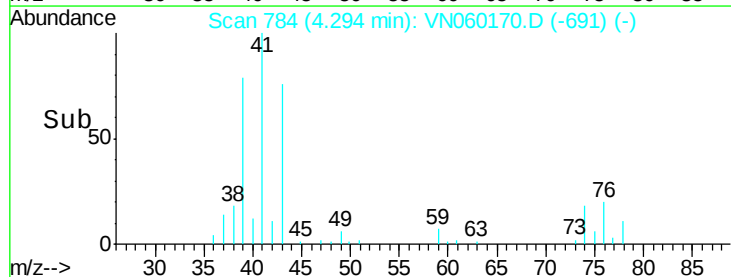
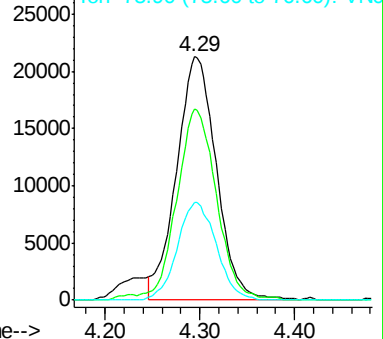
41 100

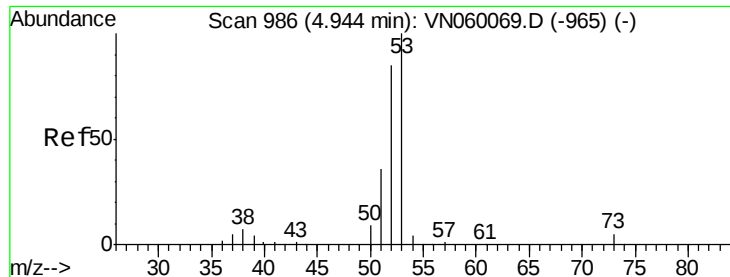
39 76.0 67.8 101.8

76 39.2 33.9 50.9



Abundance Ion 41.00 (40.70 to 41.70): VN060170.D (-691) (-)





#15

Acrylonitrile

Concen: 102.725 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

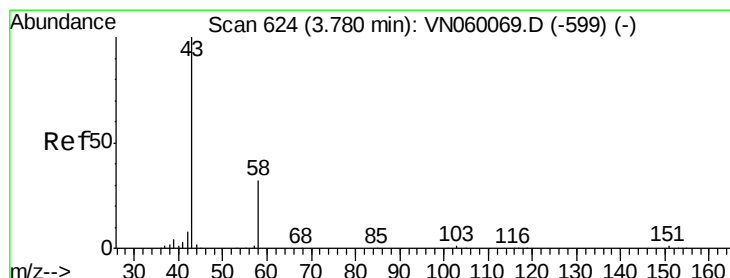
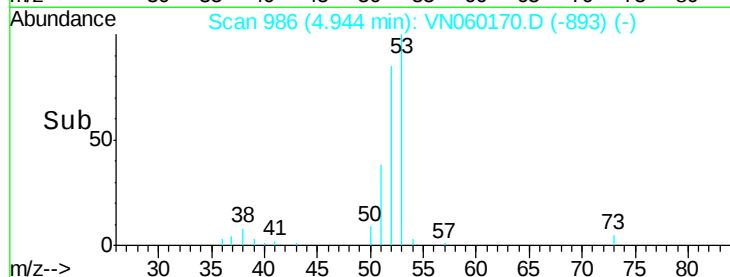
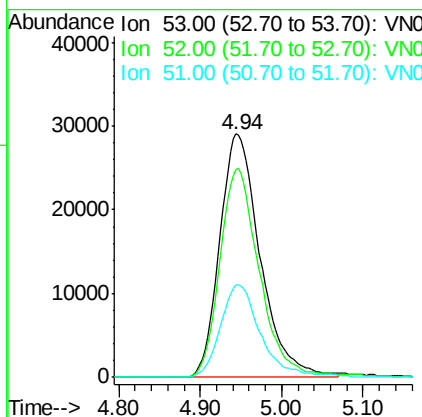
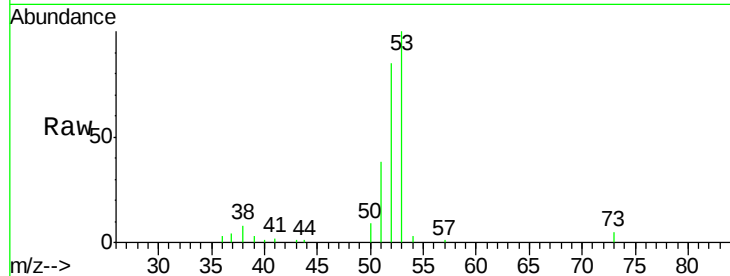
ClientSampleId :

VN0220WBSD01

Tot Ion:	53	Resp:	100988
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.8	100.2
51	37.8	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 84.467 ug/l

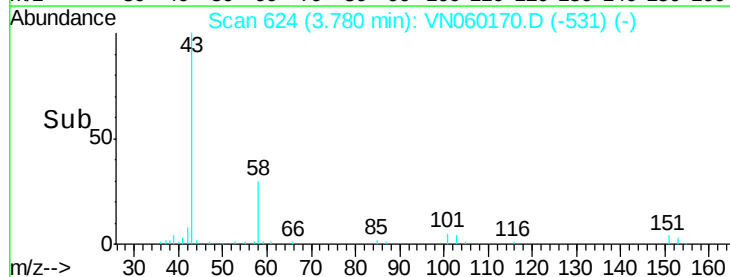
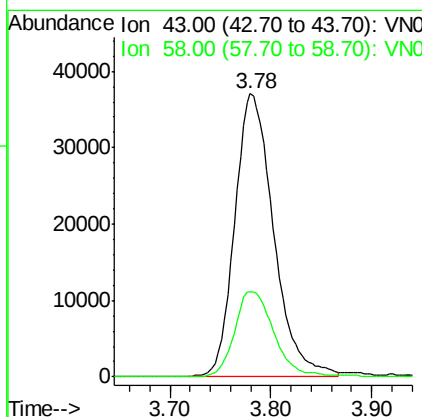
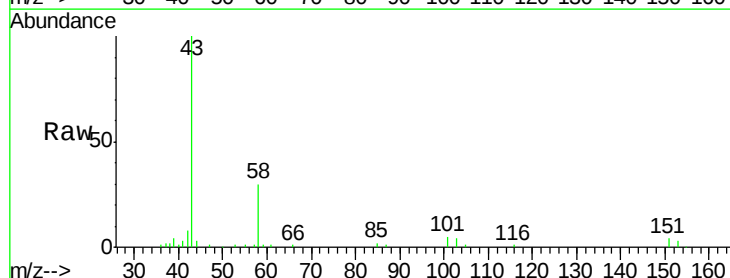
RT: 3.78 min Scan# 624

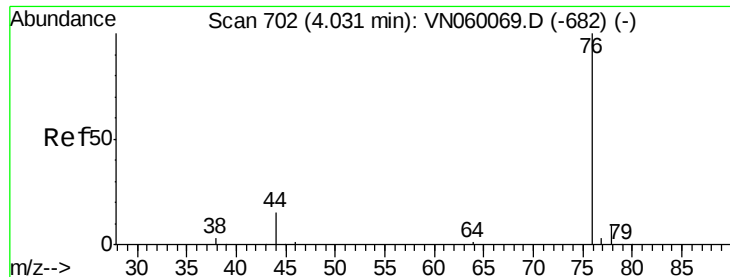
Delta R.T. -0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Tgt Ion:	43	Resp:	99113
Ion	Ratio	Lower	Upper
43	100		
58	29.9	25.2	37.8





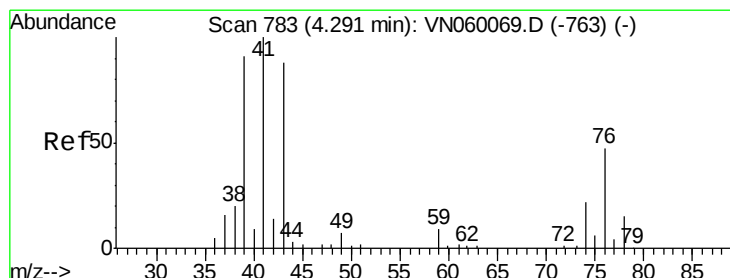
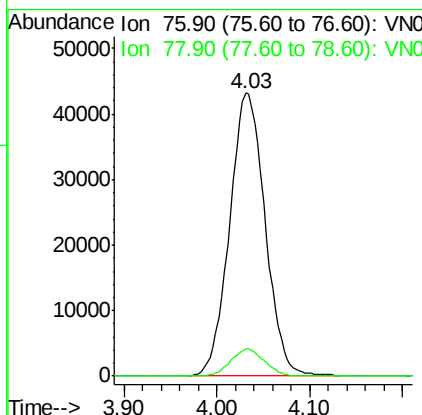
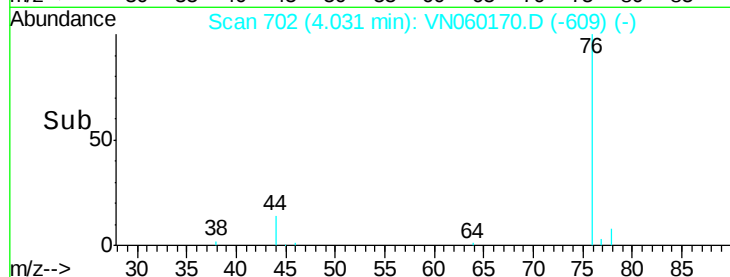
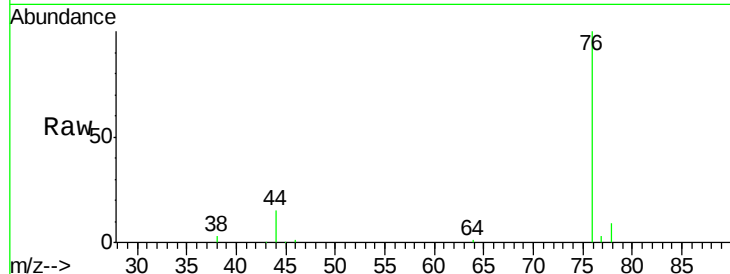
#17
Carbon Disulfide
Concen: 18.241 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Instrument :
MSVOA_N
ClientSampled :
VN0220WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

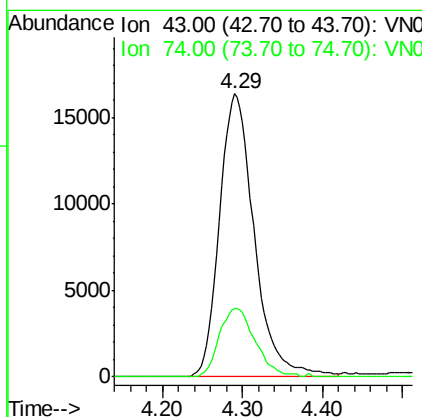
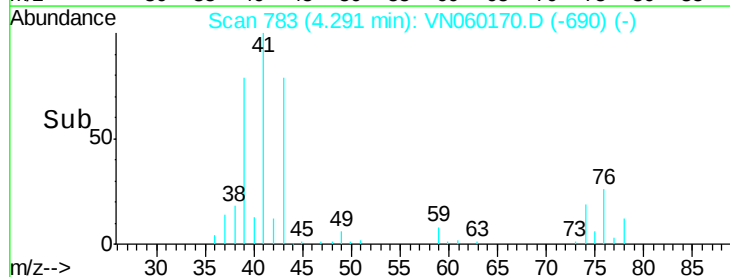
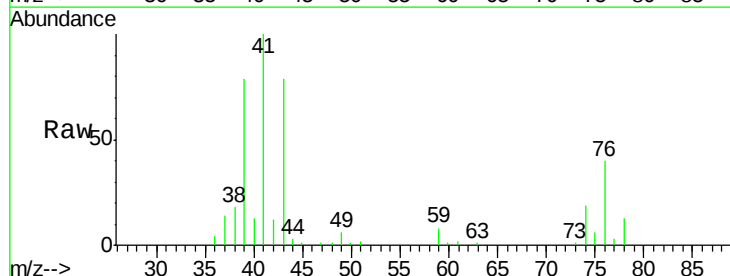
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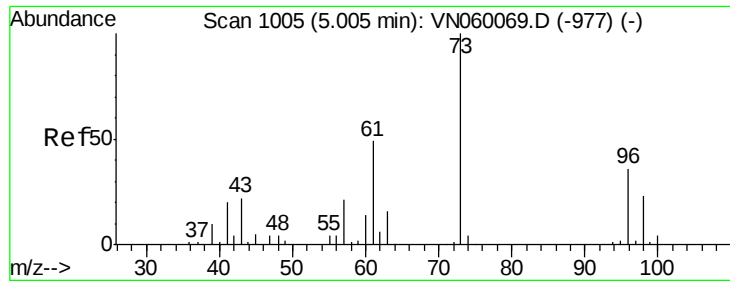
MMDadoda
2/21/2020 9:14:58 AM



#18
Methyl Acetate
Concen: 22.153 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	20.3	30.5





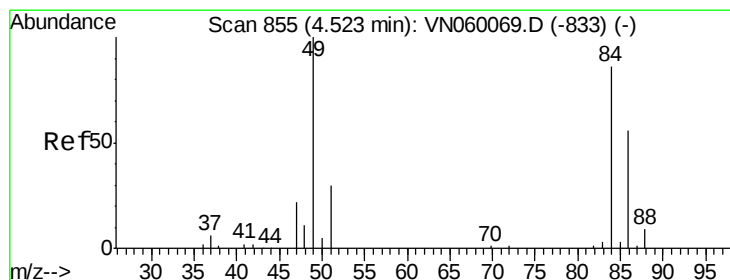
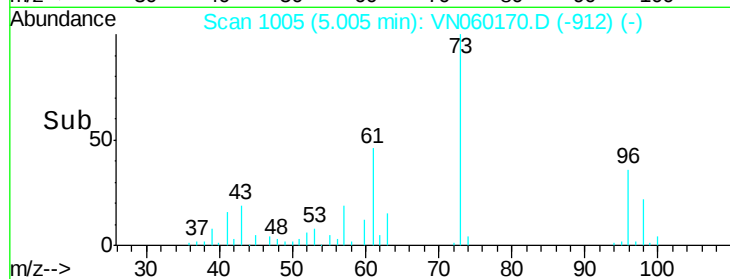
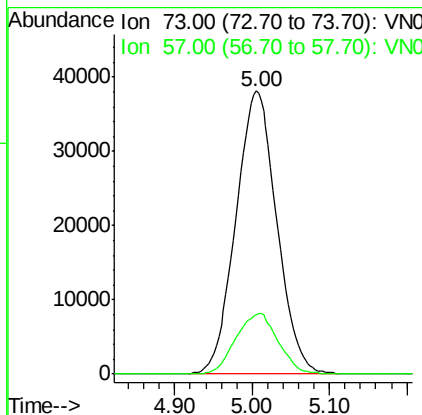
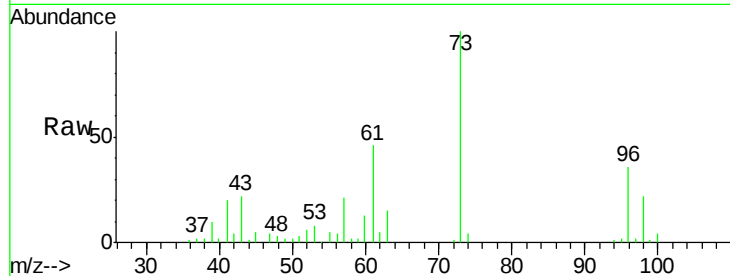
#19
Methvl tert-butvl Ether
Concen: 19.962 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBSD01

Tot Ion: 73 Resp: 140312
Ion Ratio Lower Upper
73 100
57 20.8 17.2 25.8

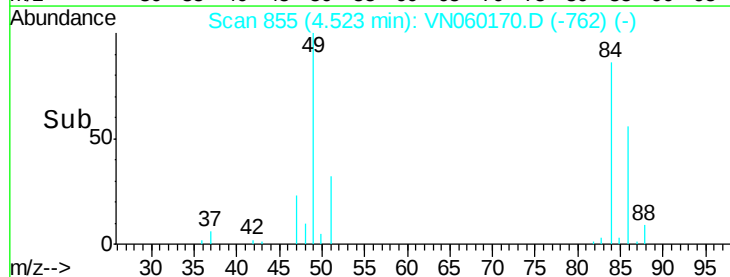
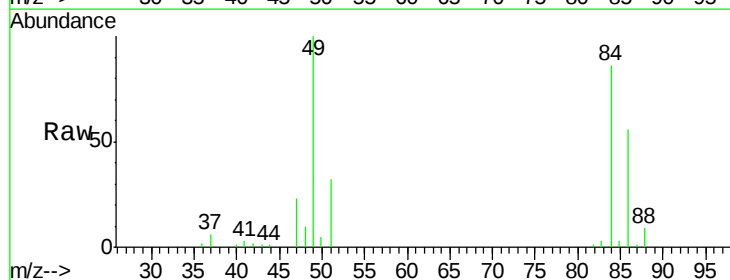
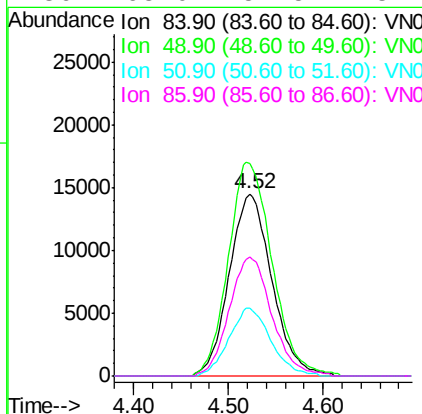
Manual Integrations
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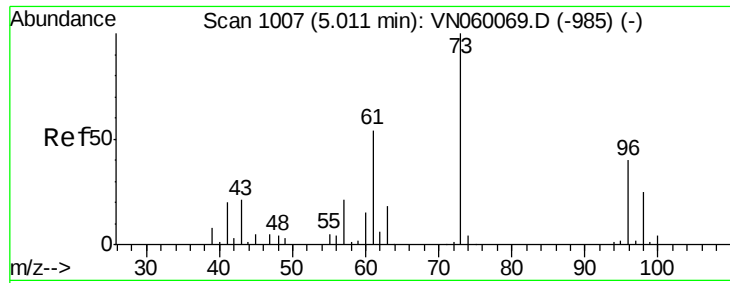
MMDadoda
2/21/2020 9:14:58 AM



#20
Methylene Chloride
Concen: 19.392 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion: 84 Resp: 45396
Ion Ratio Lower Upper
84 100
49 116.3 93.4 140.0
51 37.1 28.4 42.6
86 65.0 52.5 78.7





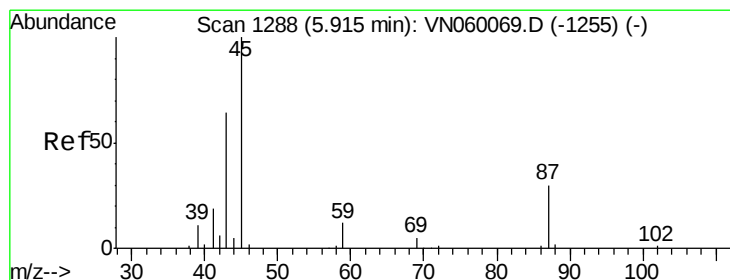
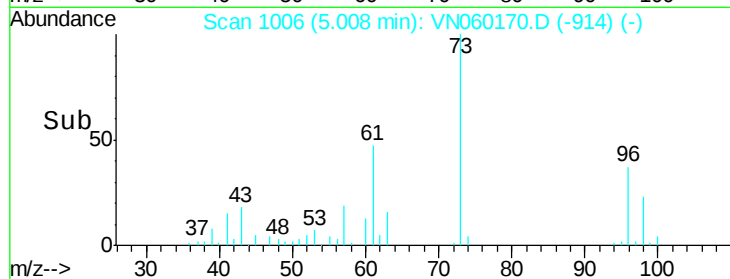
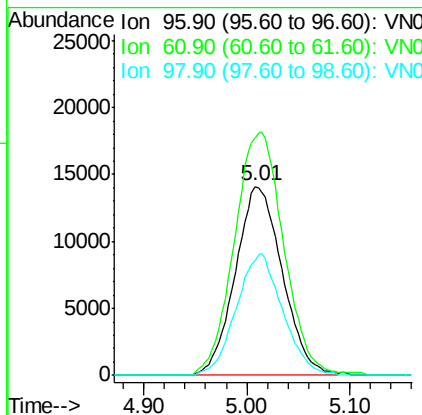
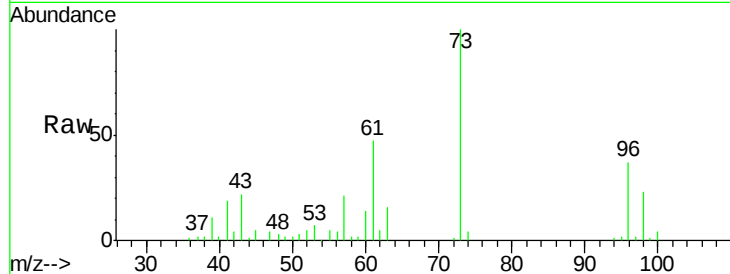
#21
trans-1,2-Dichloroethene
Concen: 19.632 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.8	109.3	163.9
98	60.8	51.0	76.6

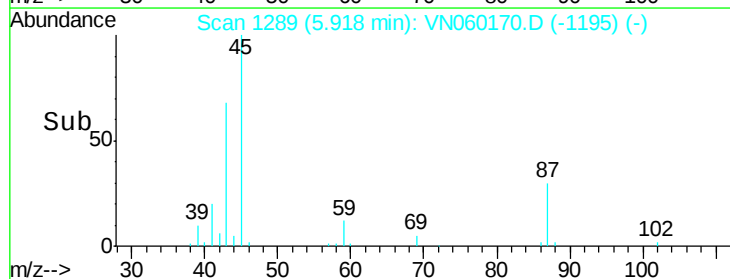
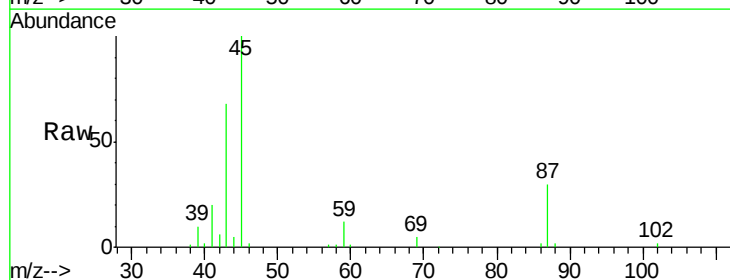
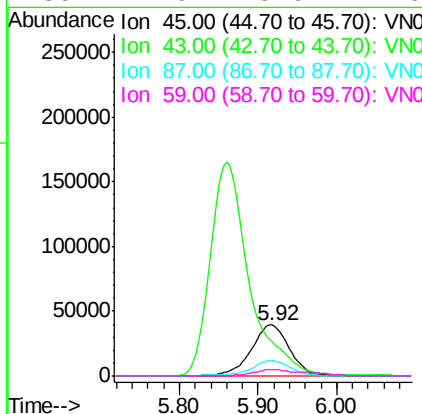
Manual Integrations
APPROVED

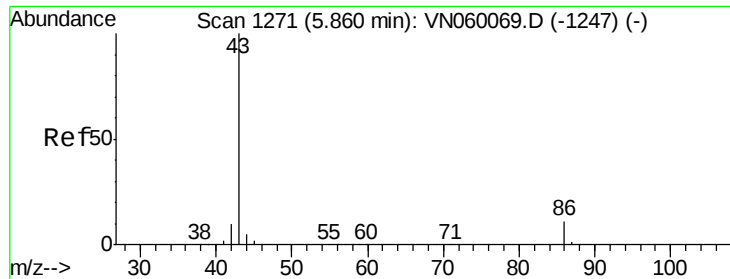
MMDadoda
2/21/2020 9:14:58 AM



#22
Diisopropyl ether
Concen: 20.083 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.4	55.9	83.9
87	29.6	24.5	36.7
59	11.9	9.9	14.9





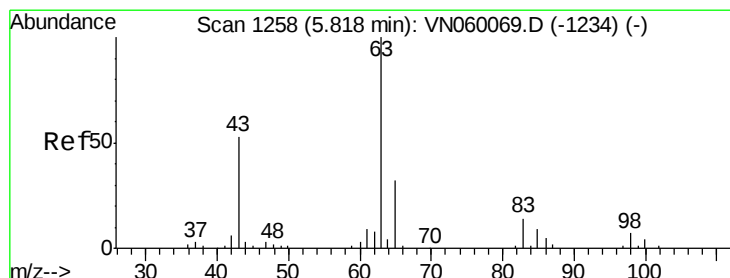
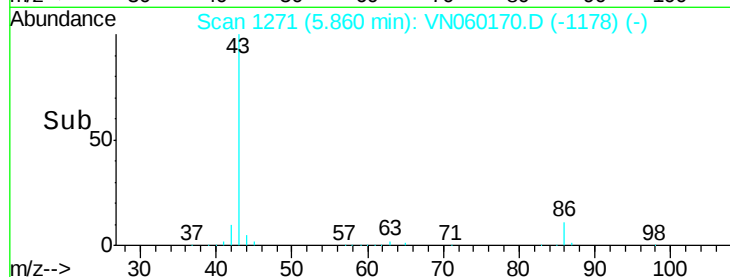
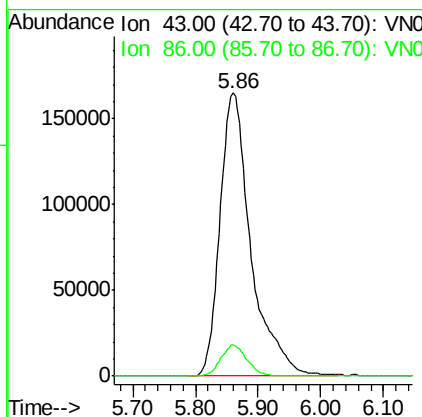
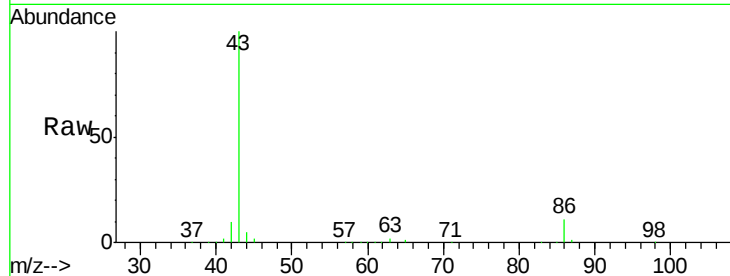
#23
 Vinyl Acetate
 Concen: 99.998 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060170.D
 Acq: 20 Feb 2020 14:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0220WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.9	13.3

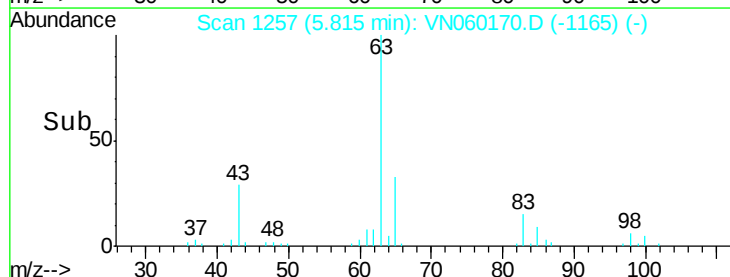
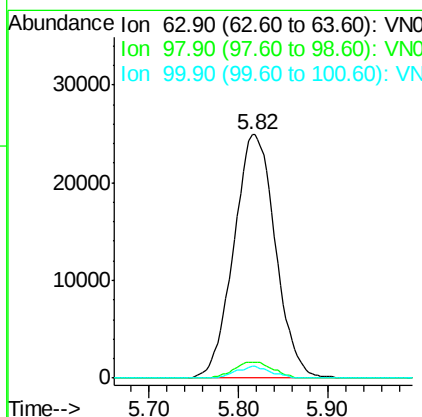
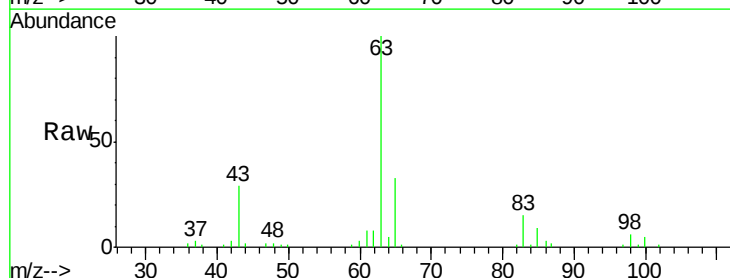
Manual Integrations
 APPROVED

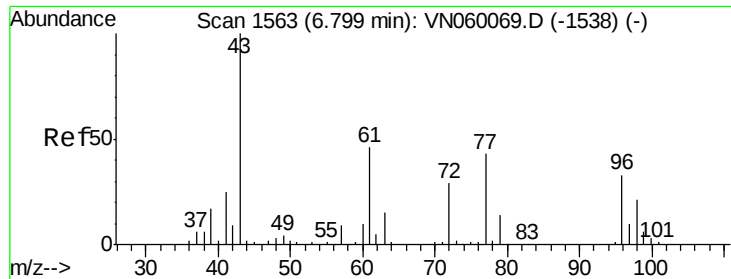
MMDadoda
 2/21/2020 9:14:58 AM



#24
 1,1-Dichloroethane
 Concen: 19.794 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060170.D
 Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.5
100	4.8	2.2	6.6





#25

2-Butanone

Concen: 92.909 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

ClientSampled :

VN0220WBSD01

Tot Ion: 43 Resp: 137111

Ion Ratio Lower Upper

43 100

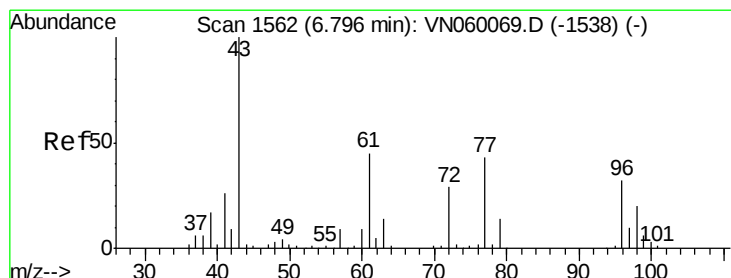
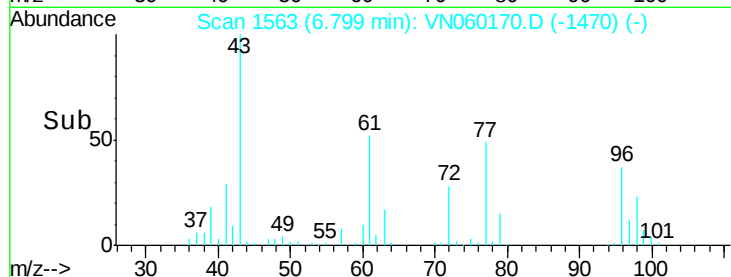
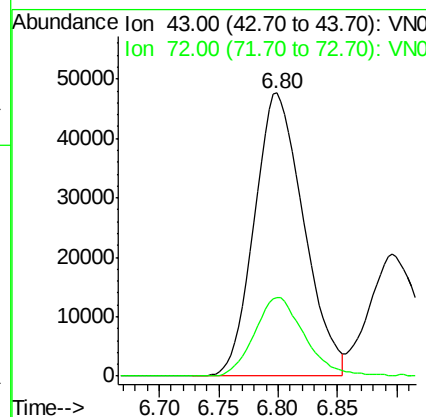
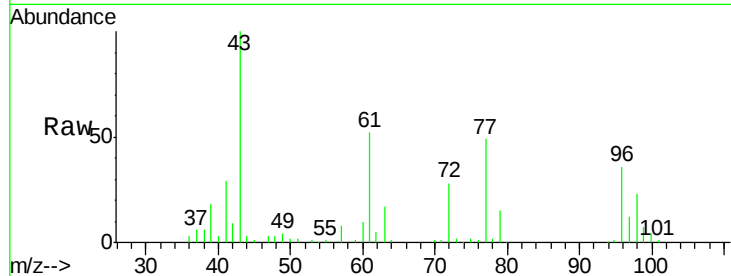
72 27.8 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.089 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060170.D

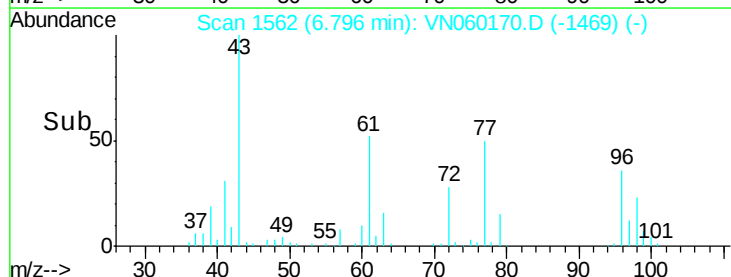
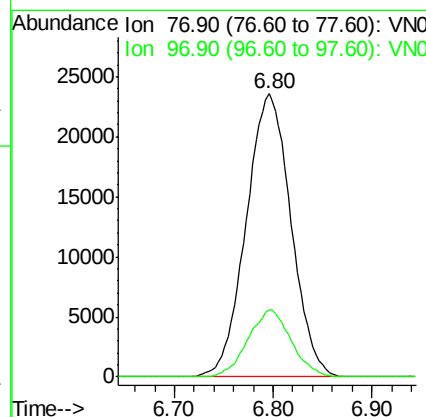
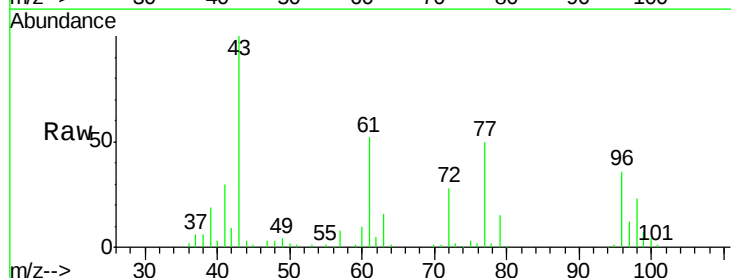
Acq: 20 Feb 2020 14:15

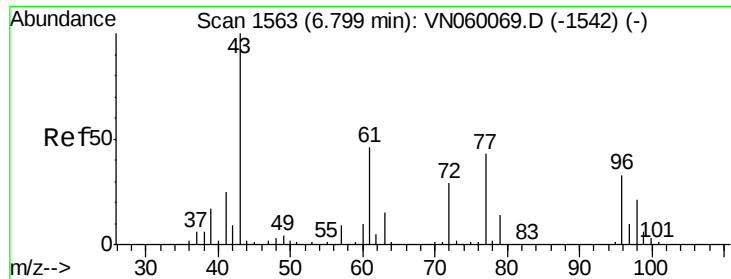
Tgt Ion: 77 Resp: 74053

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.2





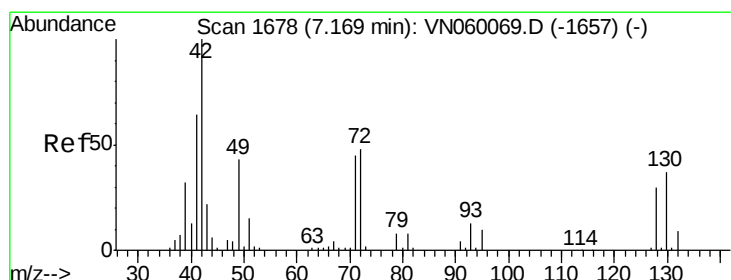
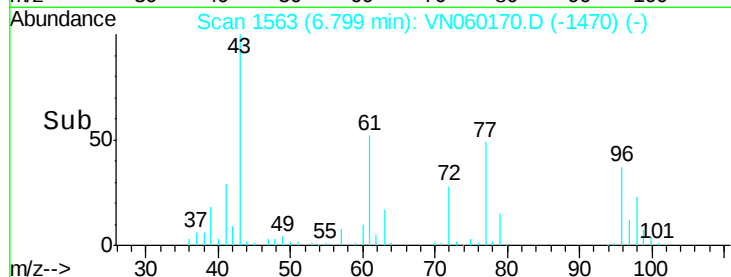
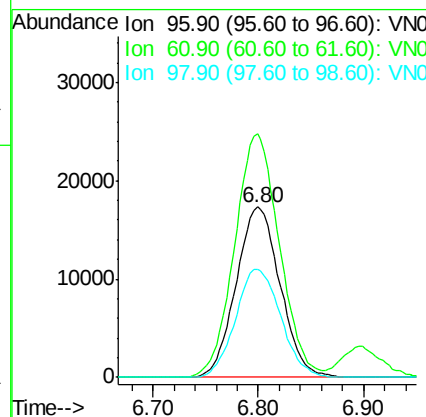
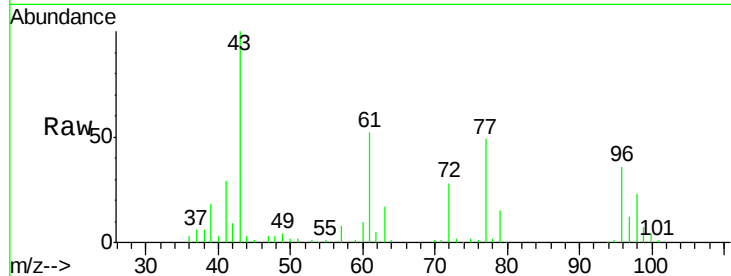
#27
 cis-1,2-Dichloroethene
 Concen: 18.831 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060170.D
 Acq: 20 Feb 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	285.8
98	65.0	0.0	129.6

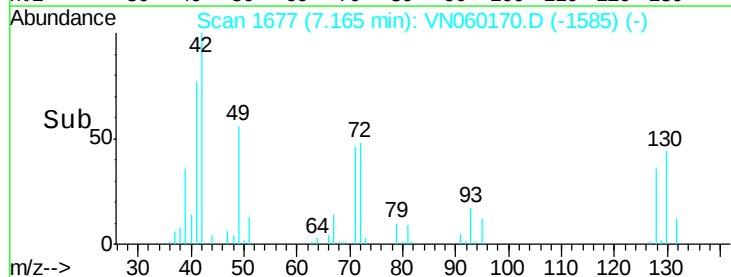
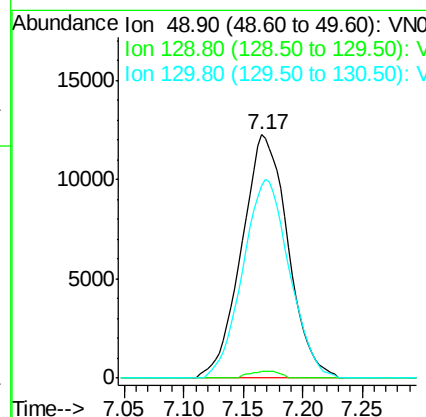
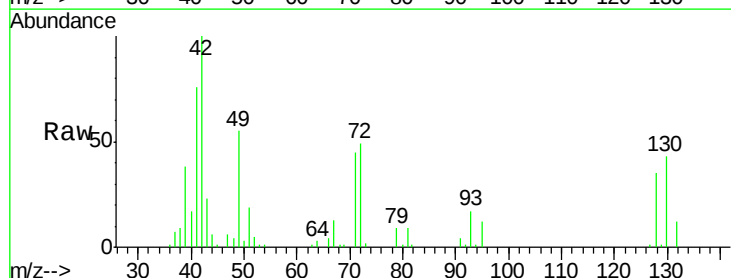
Manual Integrations
 APPROVED

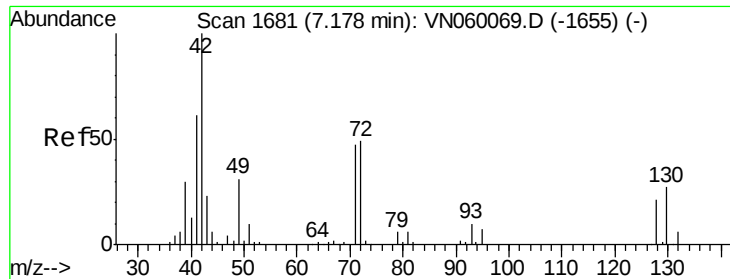
MMDadoda
 2/21/2020 9:14:58 AM



#28
 Bromochloromethane
 Concen: 20.595 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060170.D
 Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.2
130	82.1	66.8	100.2





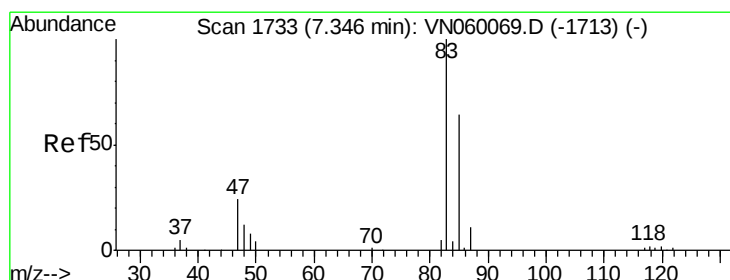
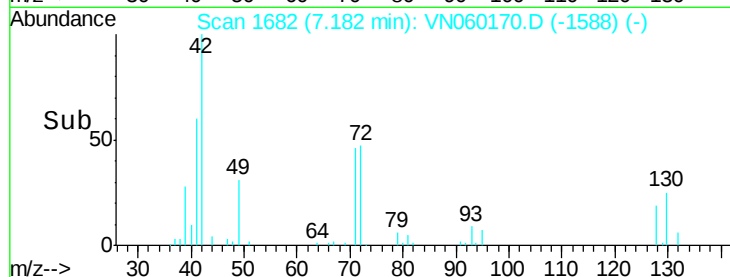
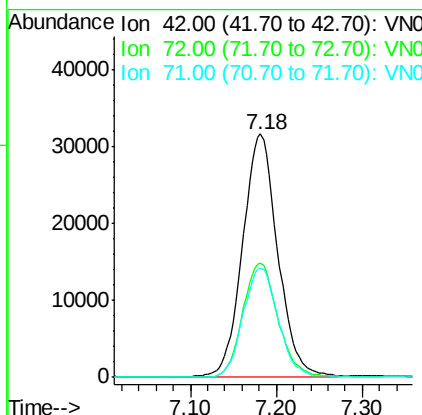
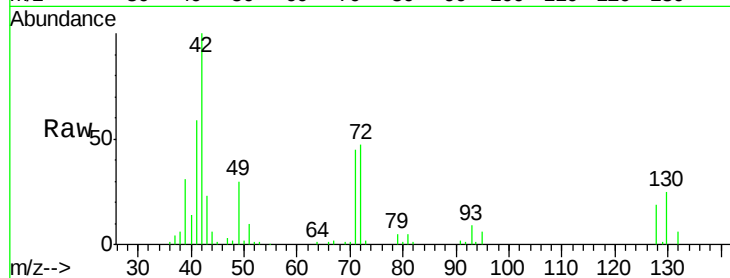
#29
Tetrahydrofuran
Concen: 99.687 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	38.2	57.4
71	44.5	36.6	54.8

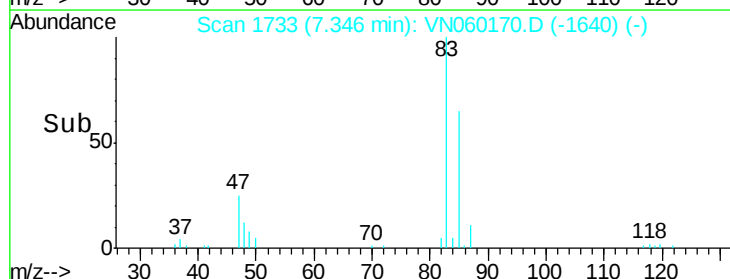
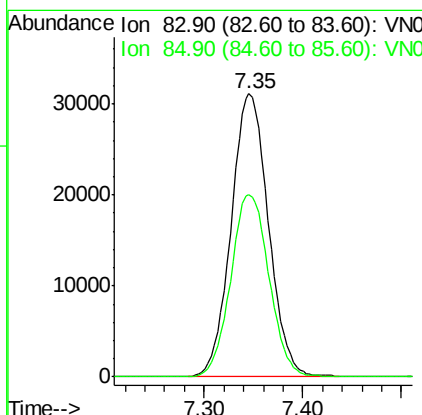
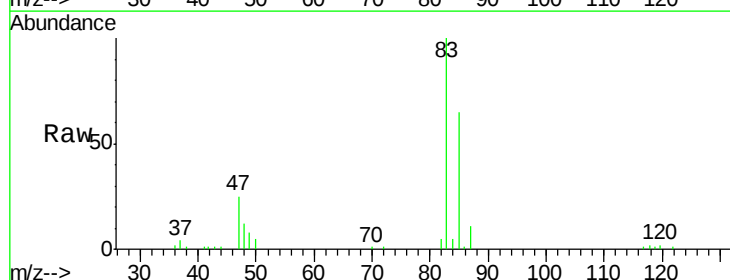
Manual Integrations
APPROVED

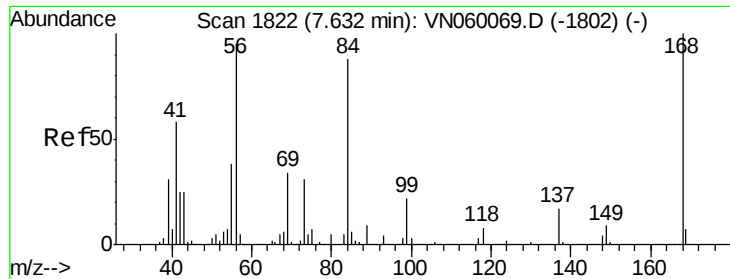
MMDadoda
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#30
Chloroform
Concen: 19.112 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.0





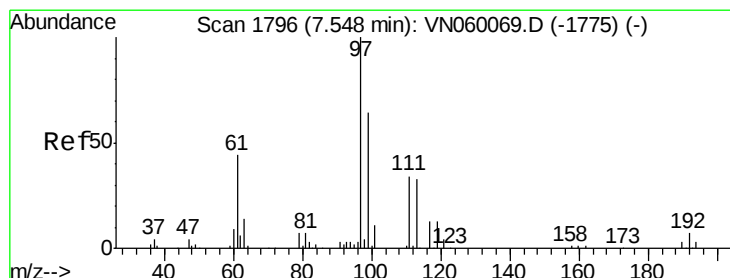
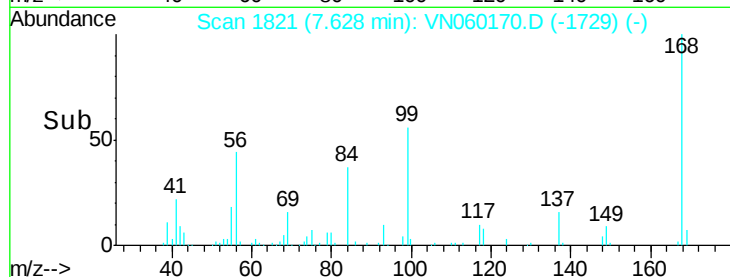
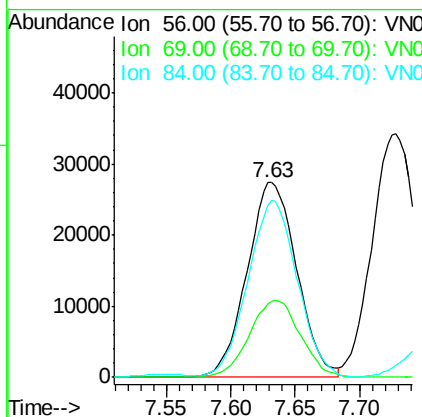
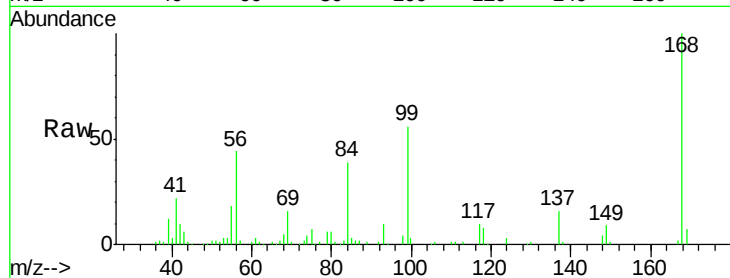
#31
Cyclohexane
Concen: 19.301 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.4	28.3	42.5
84	87.5	72.6	108.8

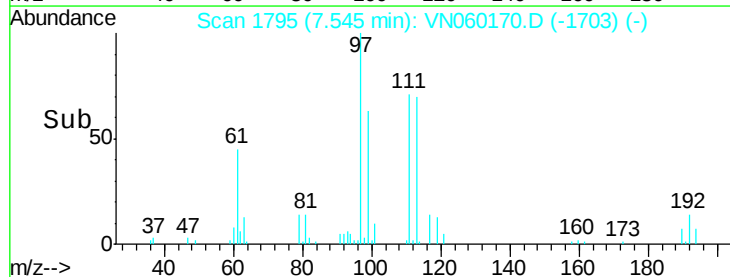
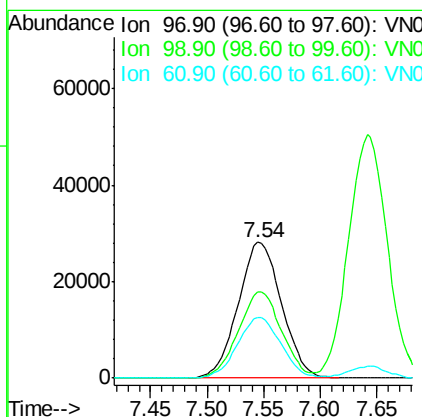
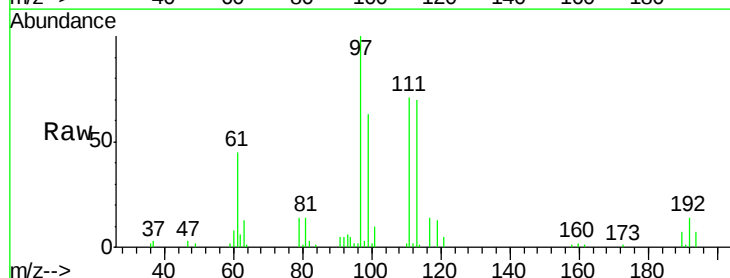
Manual Integrations
APPROVED

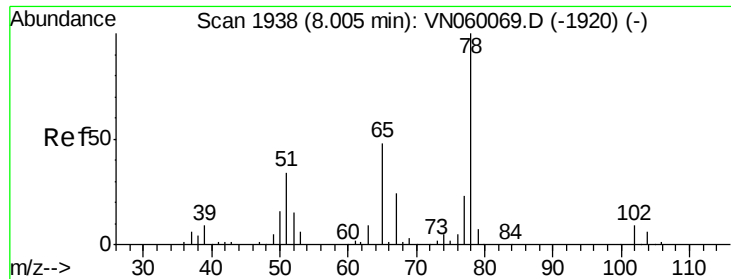
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.254 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.4	77.0
61	44.6	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 50.882 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBSD01

Tot Ion: 65 Resp: 136877

Ion Ratio Lower Upper

65 100

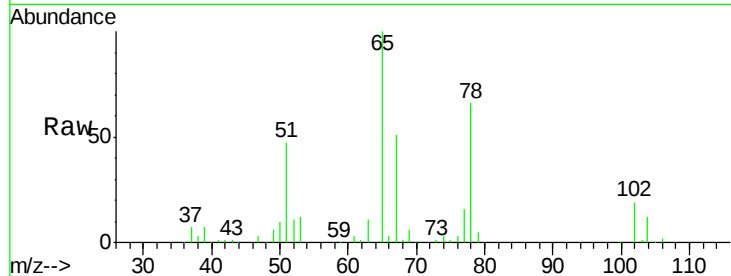
67 51.8 0.0 104.0

Manual Integrations

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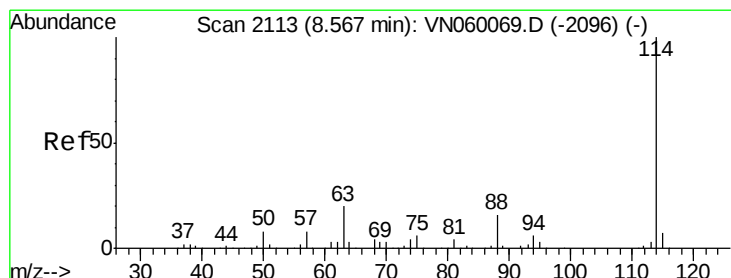
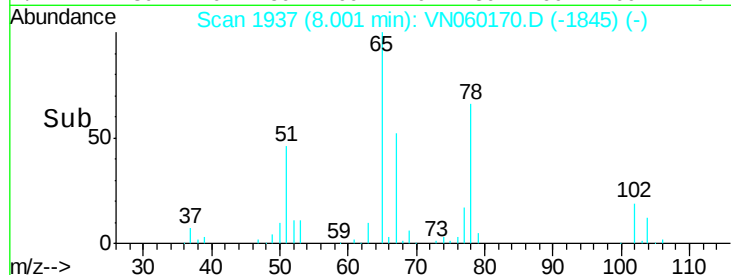
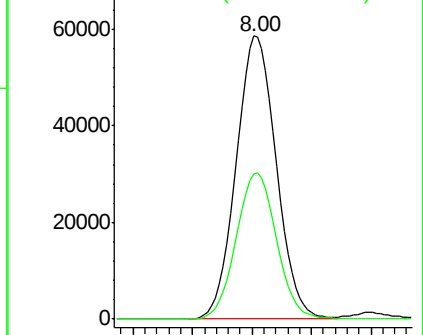
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VN060170.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060170.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

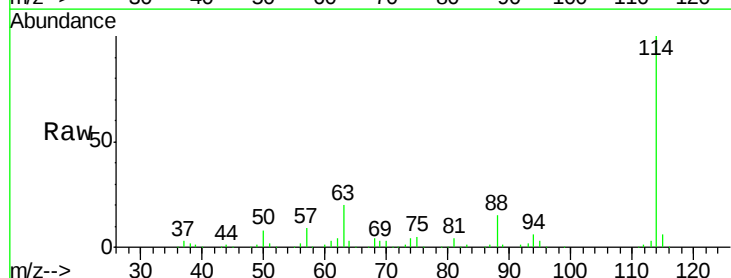
Tgt Ion: 114 Resp: 351321

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

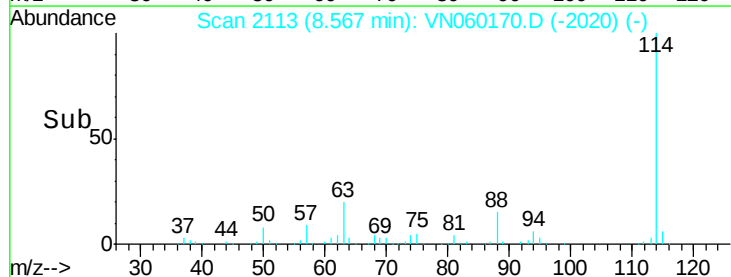
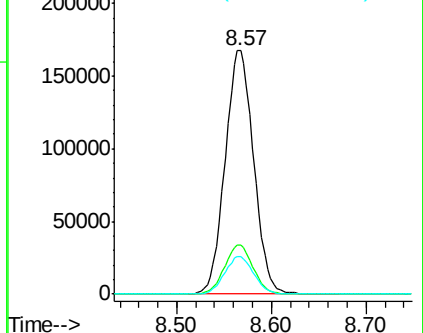
88 15.3 0.0 31.6

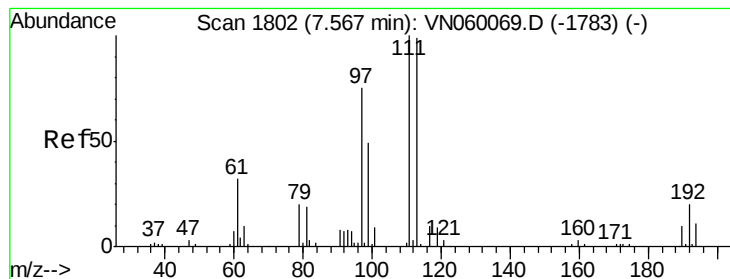


Abundance Ion 113.90 (113.60 to 114.60): VN060170.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN060170.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN060170.D (-2096) (-)





#35

Dibromofluoromethane

Concen: 50.134 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

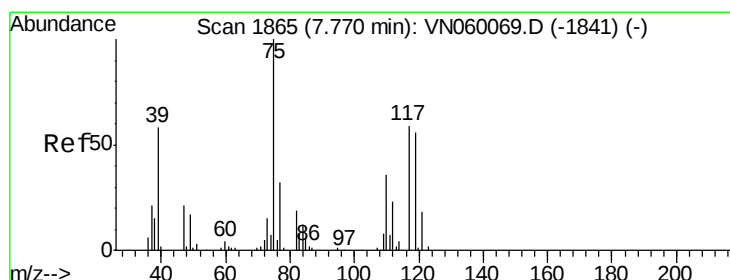
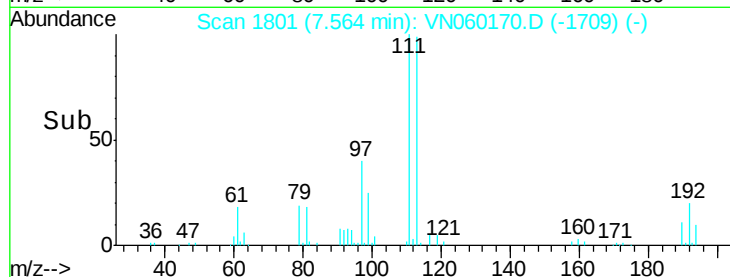
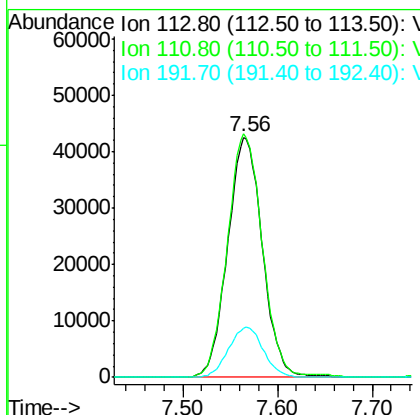
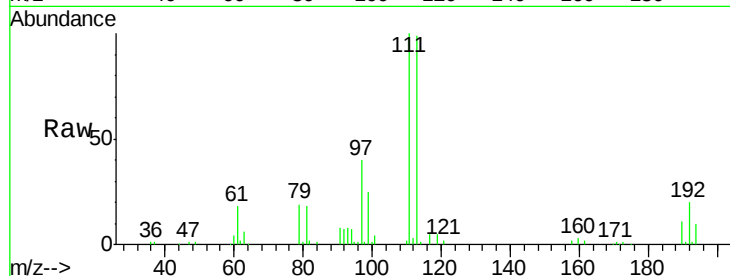
ClientSampleId :

VN0220WBSD01

Tot Ion:	113	Resp:	108268
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.4	122.2
192	20.9	16.2	24.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.716 ug/l

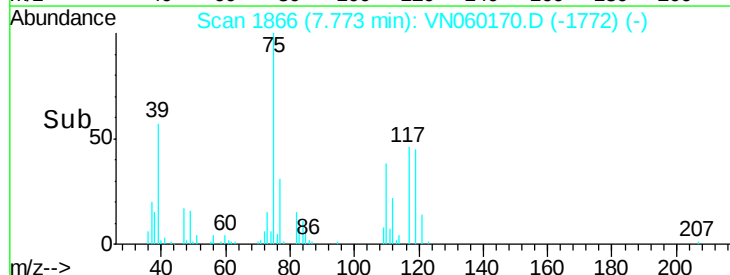
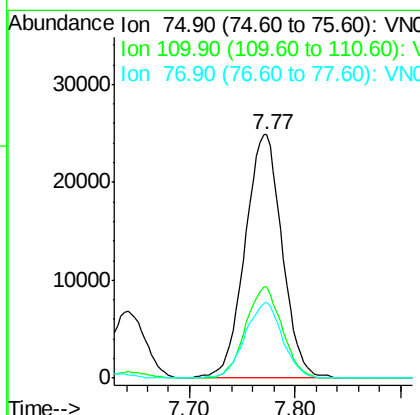
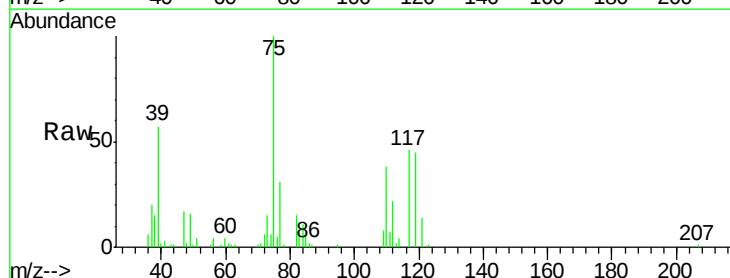
RT: 7.77 min Scan# 1866

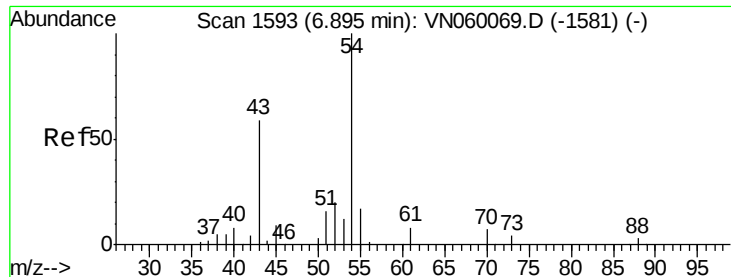
Delta R.T. 0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Tgt Ion:	75	Resp:	60904
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.1	54.3
77	31.1	25.1	37.7





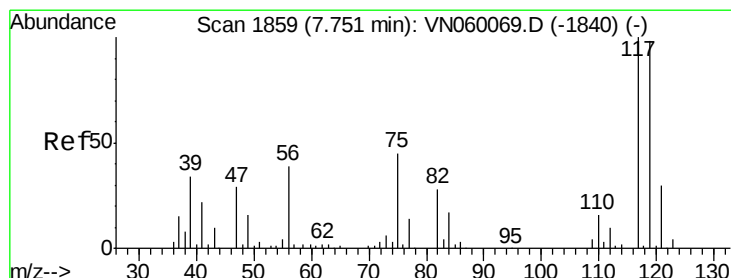
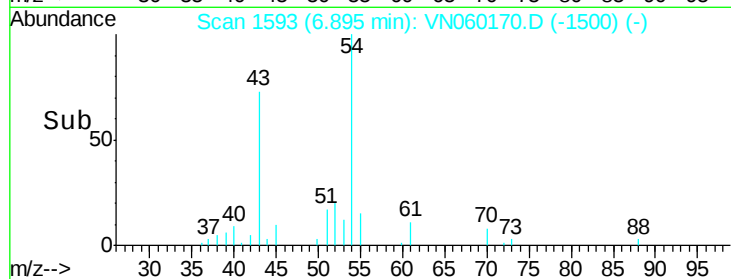
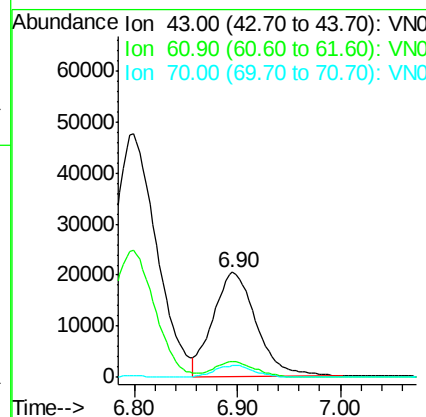
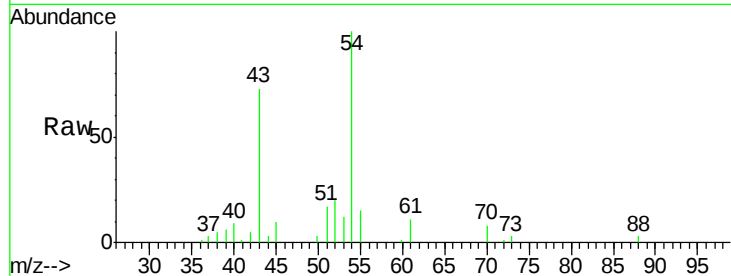
#37
Ethyl Acetate
Concen: 20.257 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Instrument :
MSVOA_N
ClientSampled :
VN0220WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.2
70	10.5	8.7	13.1

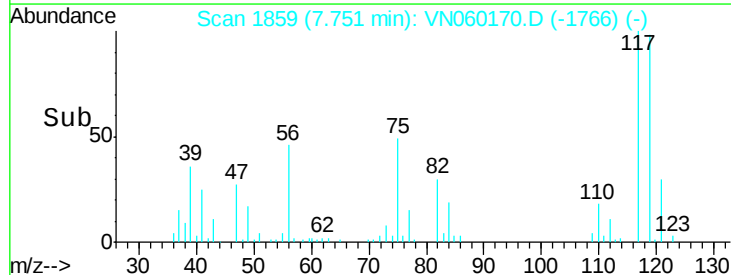
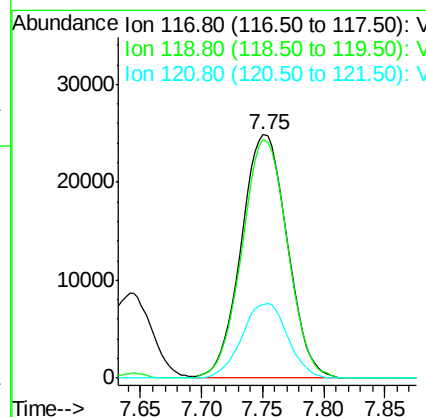
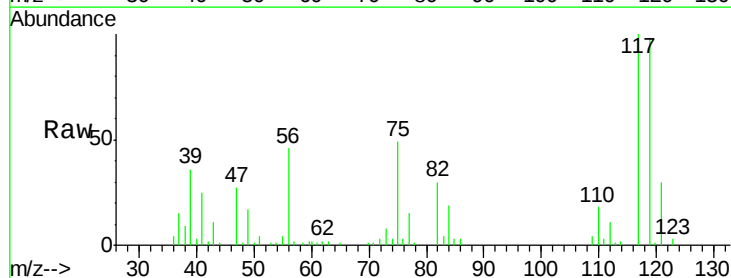
Manual Integrations
APPROVED

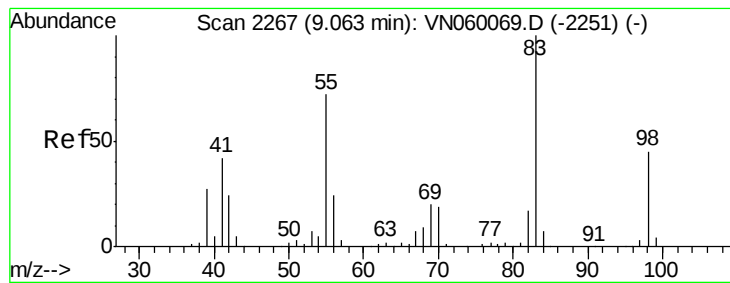
MMDadoda
2/21/2020 9:14:58 AM



#38
Carbon Tetrachloride
Concen: 18.412 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	78.2	117.4
121	30.3	24.2	36.2





#39

Methvlcvclohexane

Concen: 18.324 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBSD01

Tot Ion: 83 Resp: 74016

Ion Ratio Lower Upper

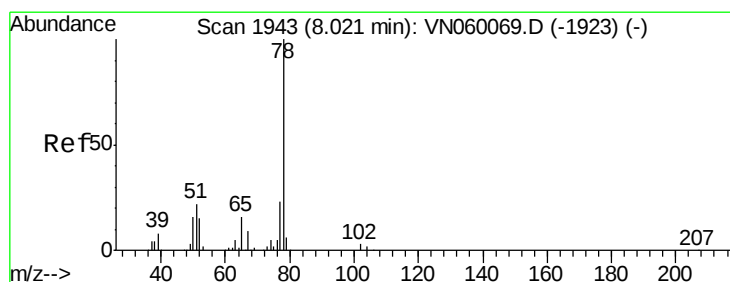
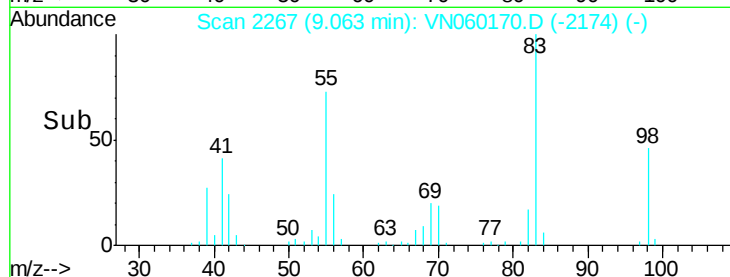
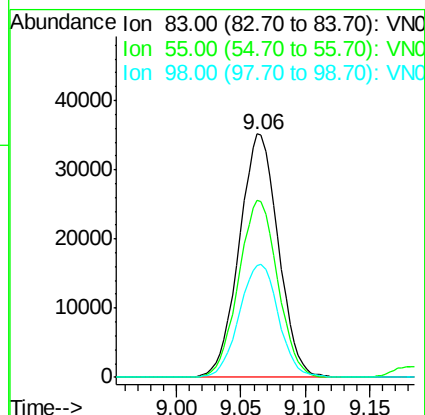
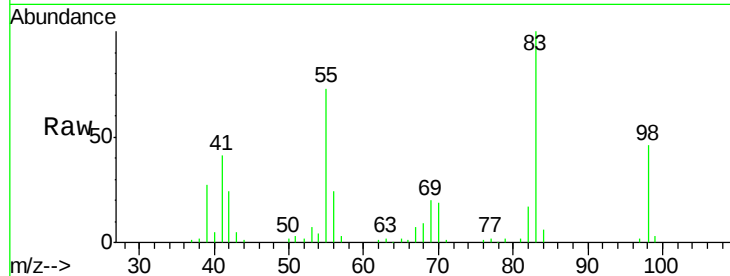
83 100

55 72.9 57.8 86.8

98 46.1 36.4 54.6

Manual Integrations
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#40

Benzene

Concen: 18.733 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN060170.D

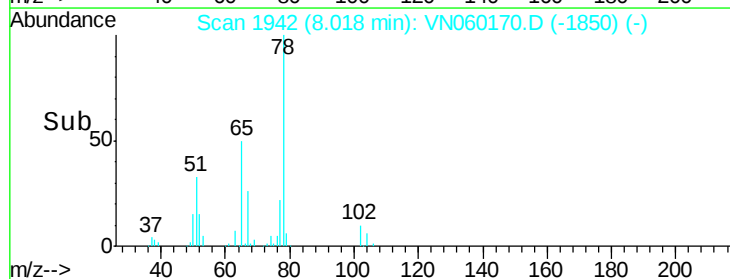
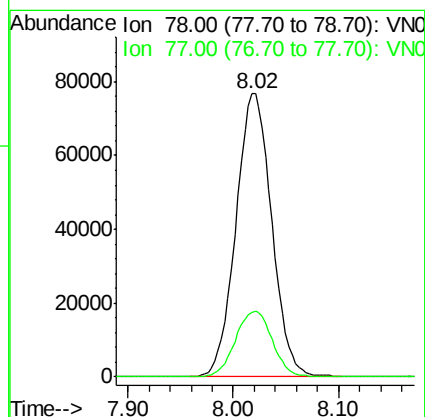
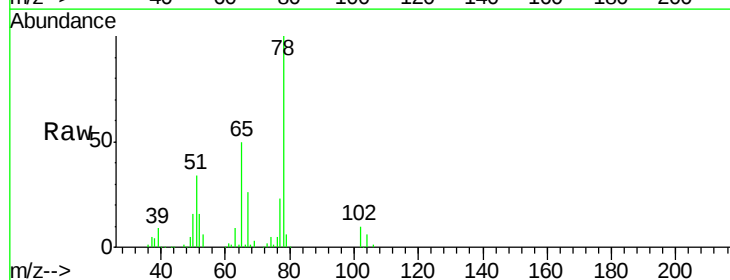
Acq: 20 Feb 2020 14:15

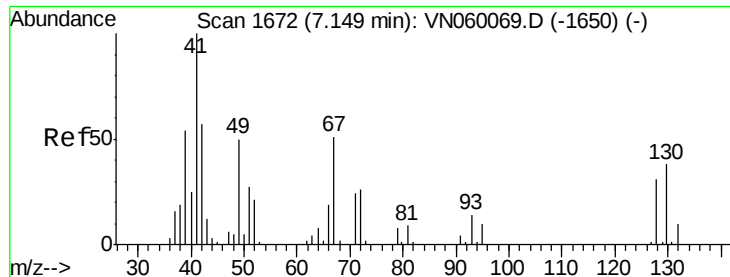
Tgt Ion: 78 Resp: 180826

Ion Ratio Lower Upper

78 100

77 22.6 18.8 28.2





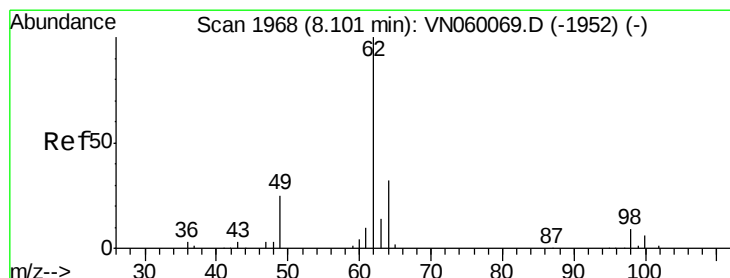
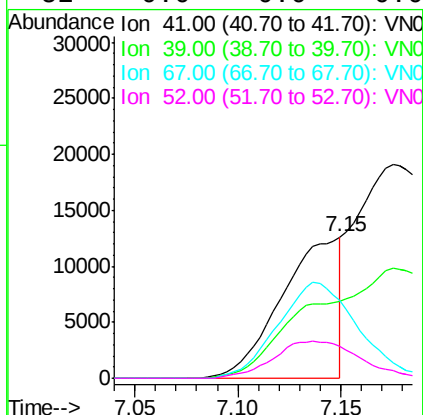
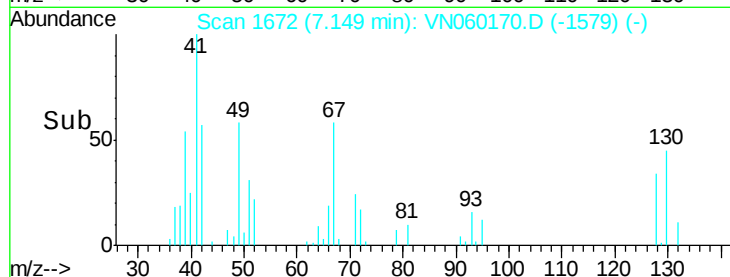
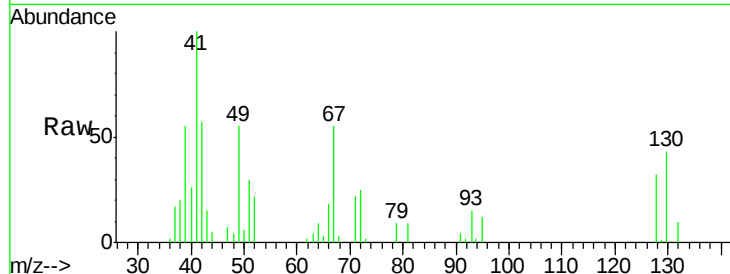
#41
Methacrylonitrile
Concen: 20.250 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Instrument :
MSVOA_N
ClientSampled :
VN0220WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	175.8	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

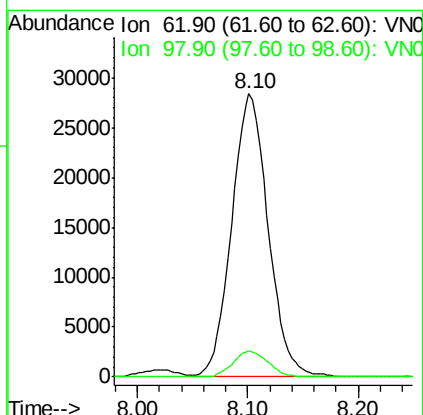
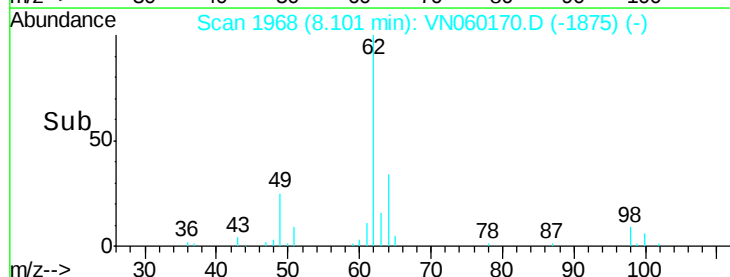
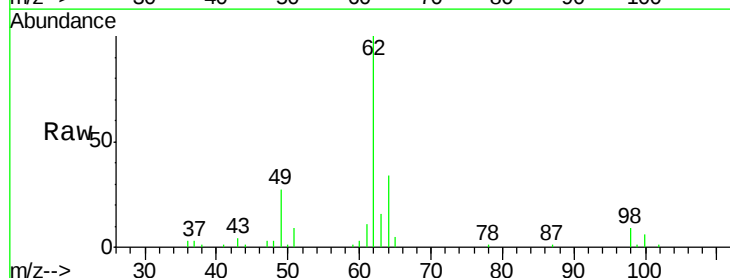
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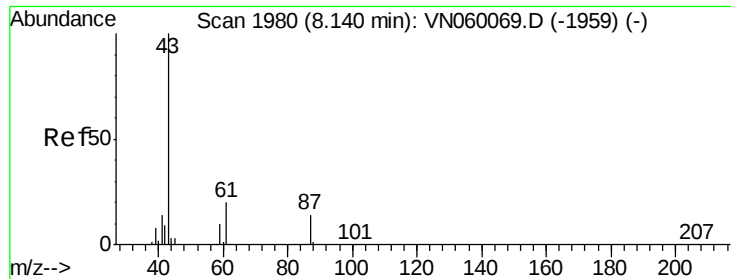
MMDadoda
2/21/2020 9:14:58 AM



#42
1,2-Dichloroethane
Concen: 19.233 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.6	0.0	18.2		





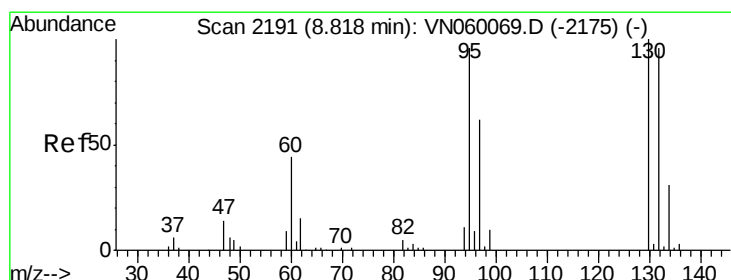
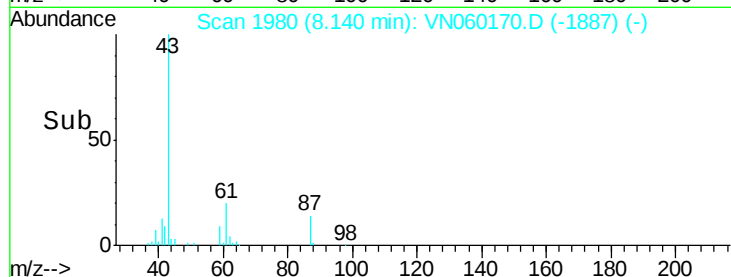
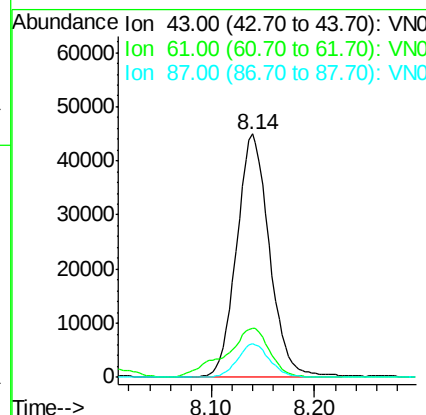
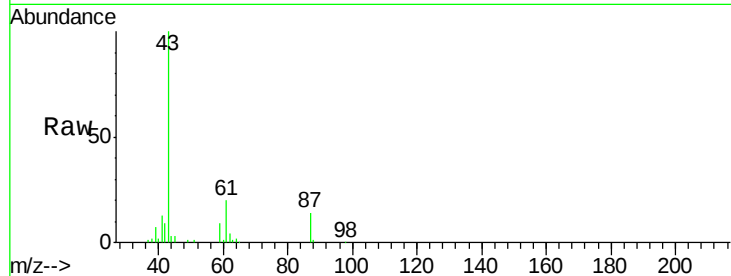
#43
Isopropyl Acetate
Concen: 19.858 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.1	21.8	32.6
87	13.4	11.4	17.2

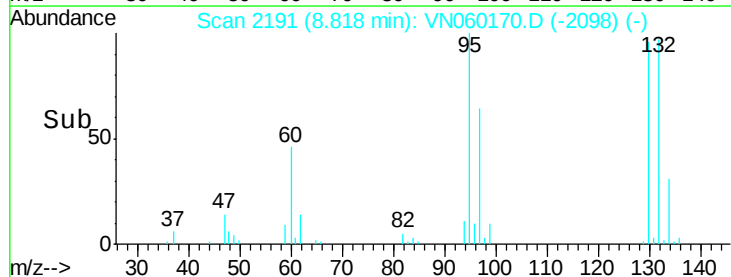
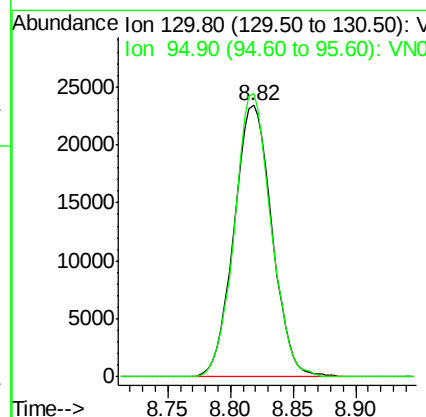
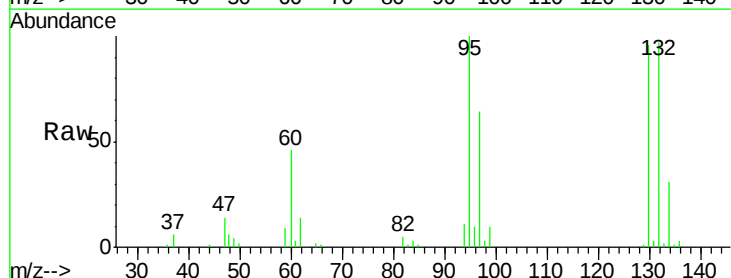
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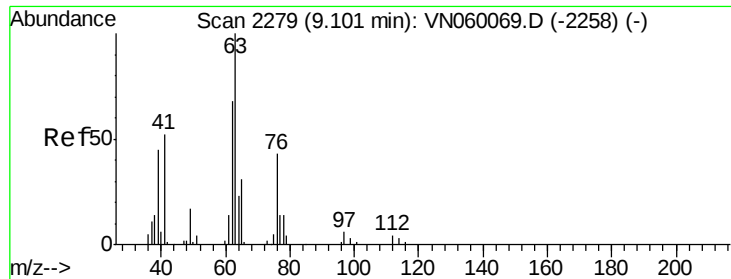
MMDadoda
2/21/2020 9:14:58 AM



#44
Trichloroethene
Concen: 18.414 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	192.4





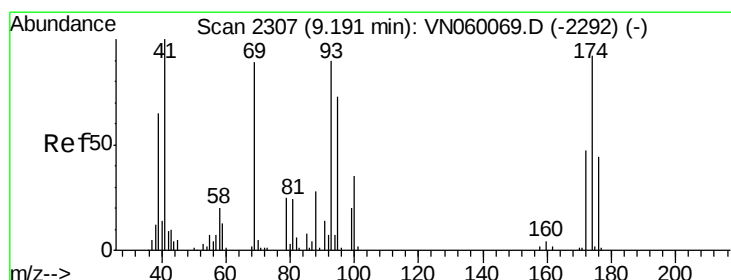
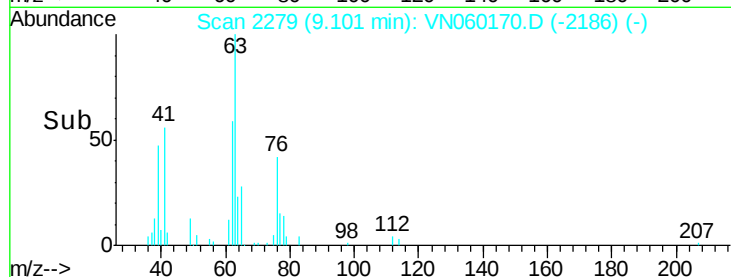
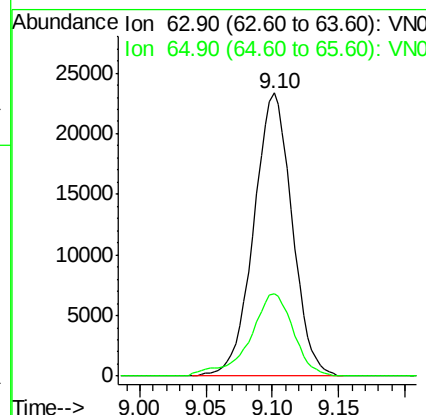
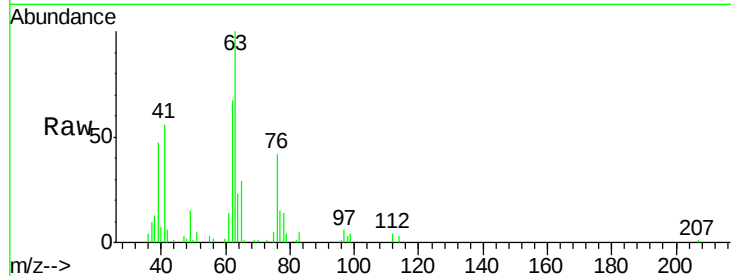
#45
 1,2-Dichloropropane
 Concen: 19.663 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060170.D
 Acq: 20 Feb 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBSD01

Tot Ion: 63 Resp: 46991
 Ion Ratio Lower Upper
 63 100
 65 29.2 25.0 37.4

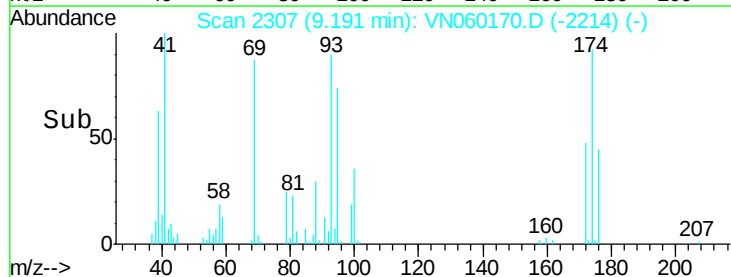
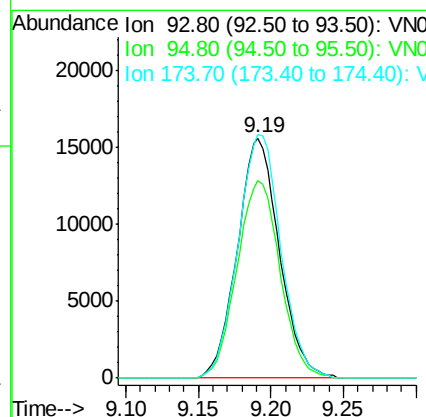
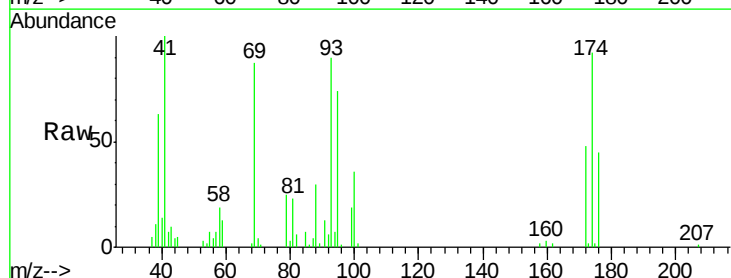
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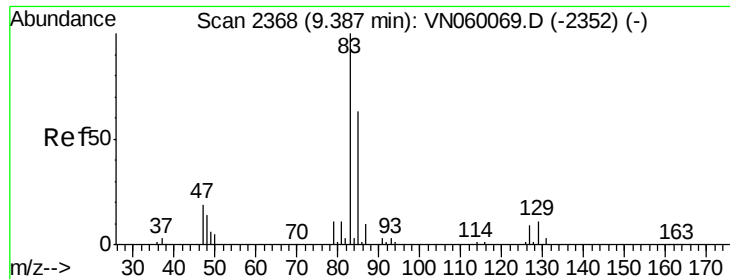
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#46
 Dibromomethane
 Concen: 18.606 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060170.D
 Acq: 20 Feb 2020 14:15

Tgt Ion: 93 Resp: 31422
 Ion Ratio Lower Upper
 93 100
 95 84.3 65.0 97.6
 174 103.5 82.3 123.5





#47

Bromodichloromethane

Concen: 18.606 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

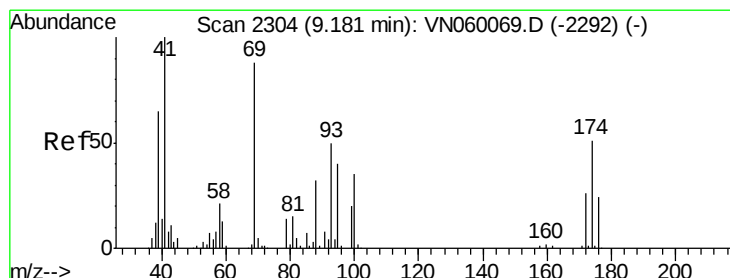
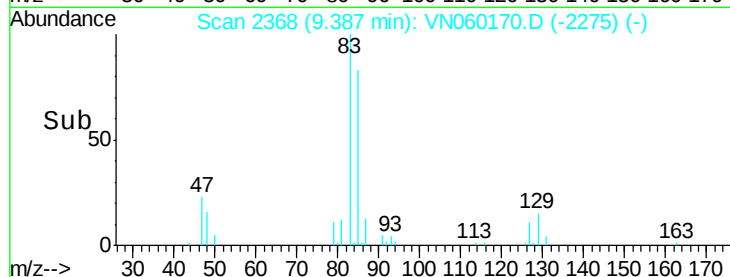
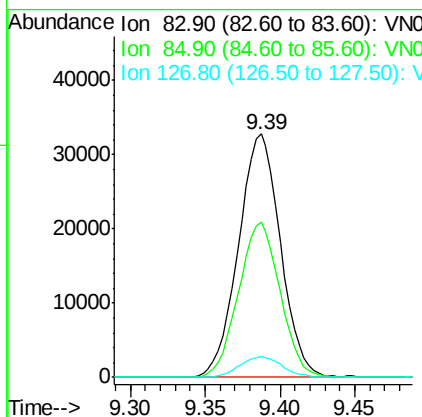
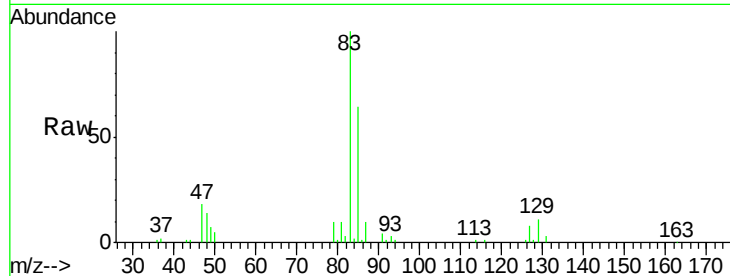
ClientSampleId :

VN0220WBSD01

Tot Ion:	83	Resp:	63884
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.6	75.8
127	8.4	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.426 ug/l

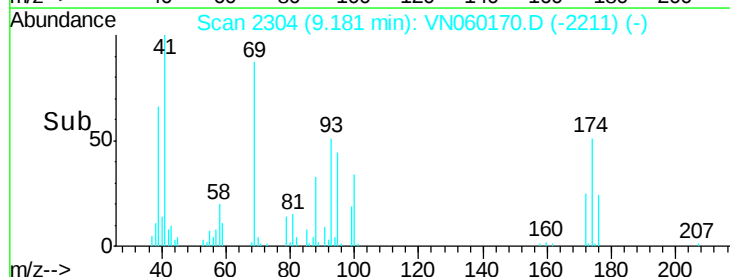
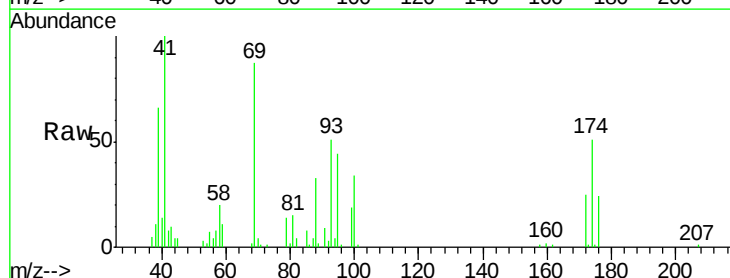
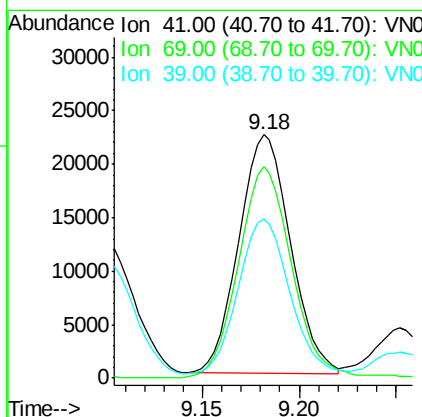
RT: 9.18 min Scan# 2304

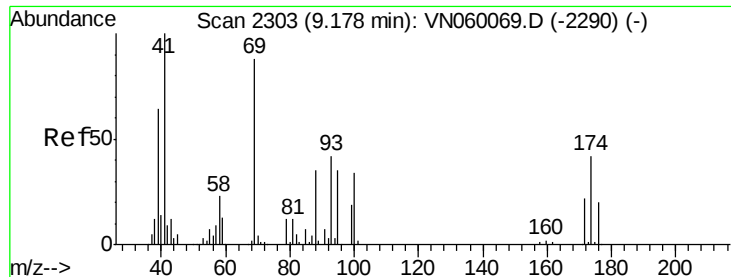
Delta R.T. -0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Tgt Ion:	41	Resp:	41562
Ion Ratio	Lower	Upper	
41	100		
69	90.6	72.0	108.0
39	68.5	54.1	81.1





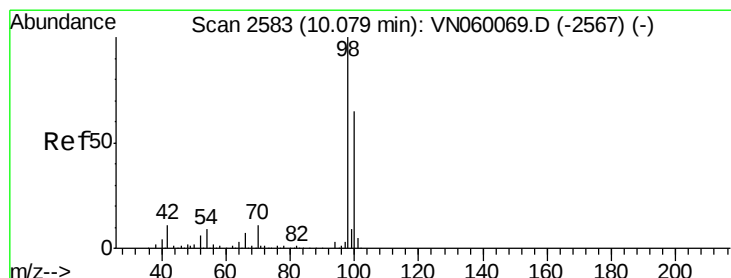
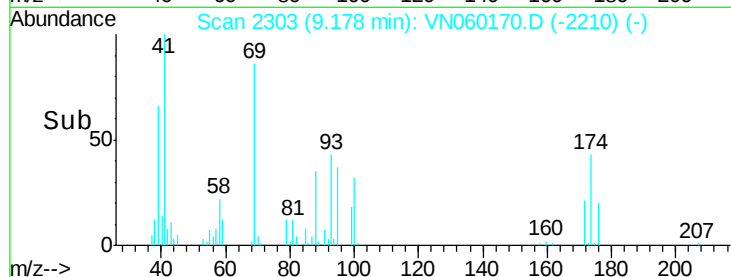
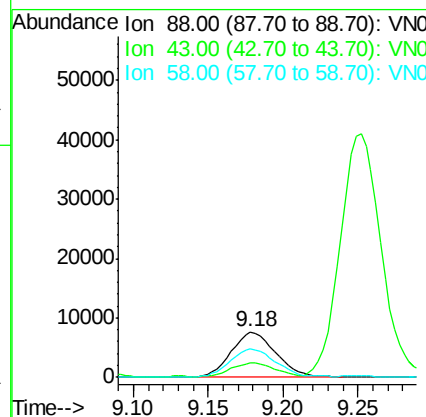
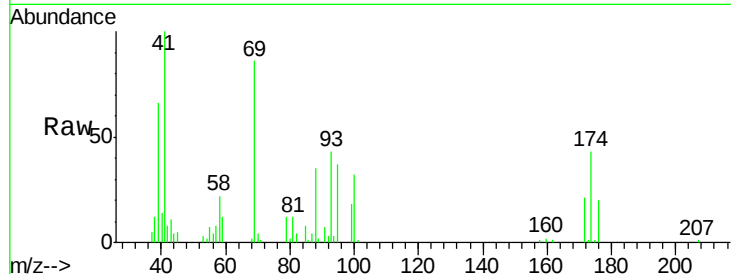
#49
1,4-Dioxane
Concen: 411.819 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.9	26.2	39.2
58	64.9	53.2	79.8

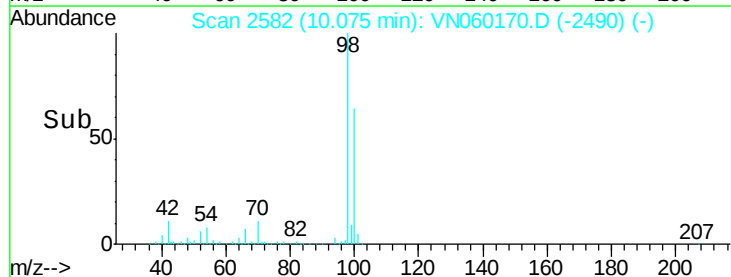
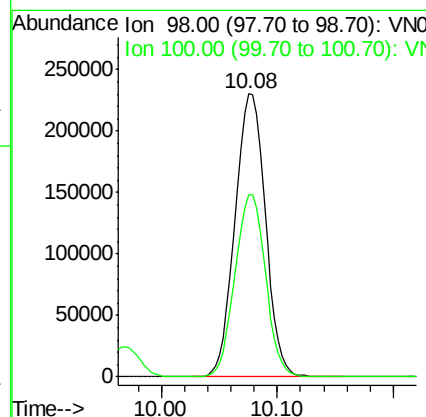
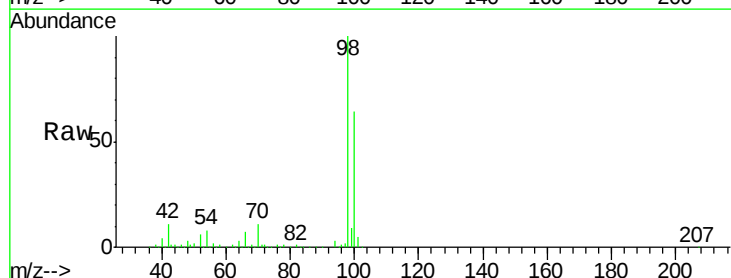
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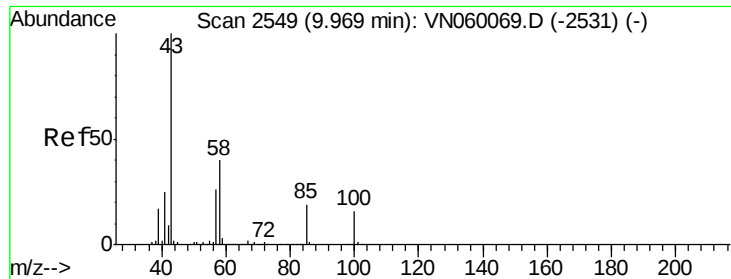
MMDadoda
2/21/2020 9:14:58 AM



#50
Toluene-d8
Concen: 49.194 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 97.959 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBSD01

Tot Ion: 43 Resp: 285050

Ion Ratio Lower Upper

43 100

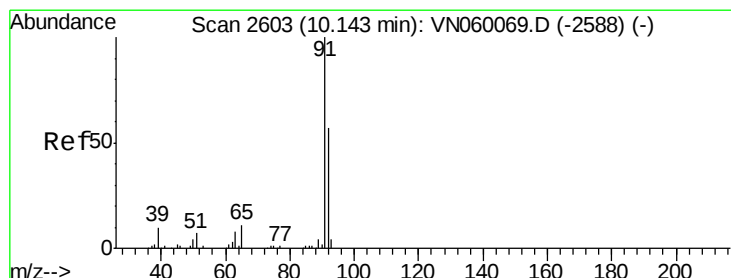
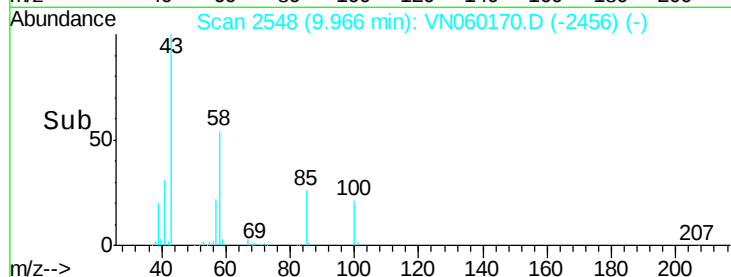
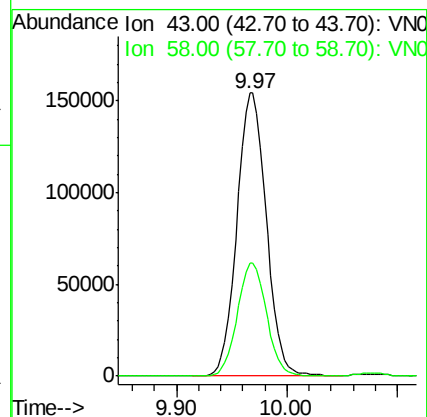
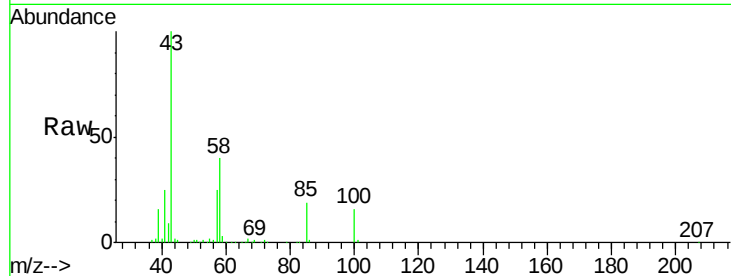
58 39.8 31.8 47.8

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#52

Toluene

Concen: 18.892 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060170.D

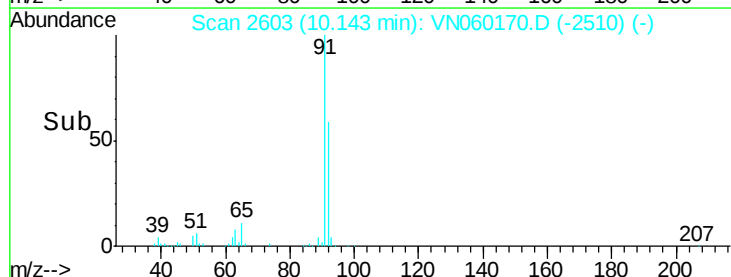
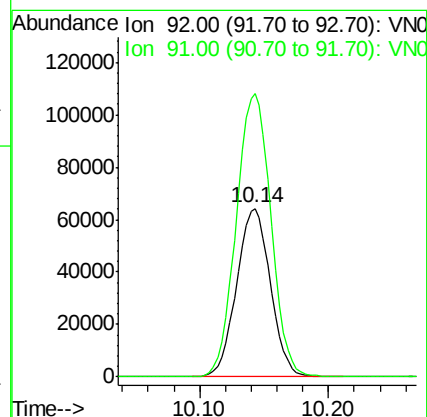
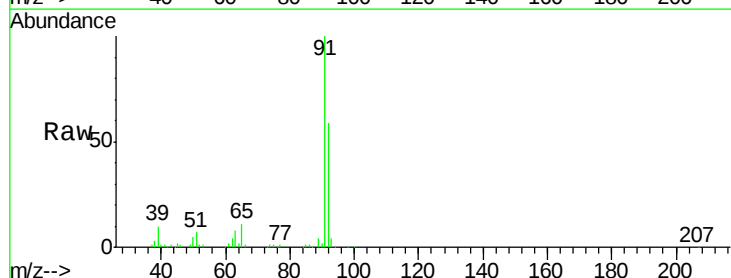
Acq: 20 Feb 2020 14:15

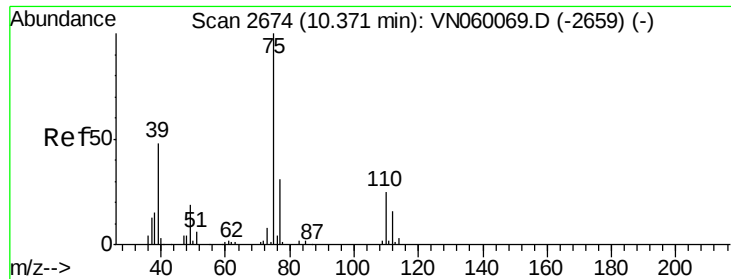
Tgt Ion: 92 Resp: 116943

Ion Ratio Lower Upper

92 100

91 172.9 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 18.547 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBSD01

Tot Ion: 75 Resp: 71881

Ion Ratio Lower Upper

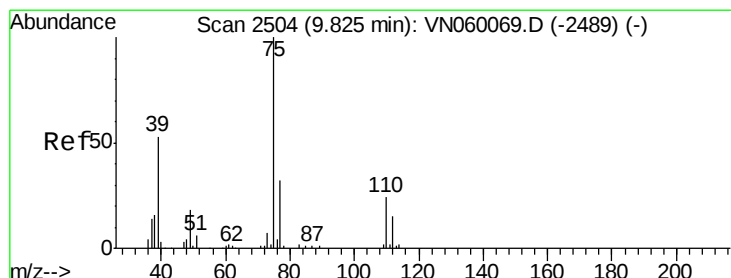
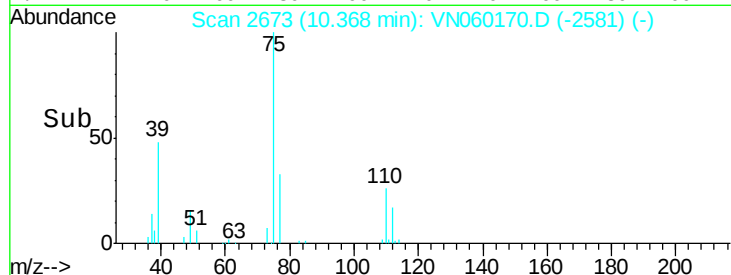
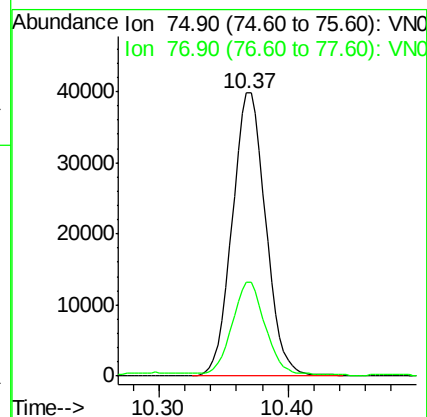
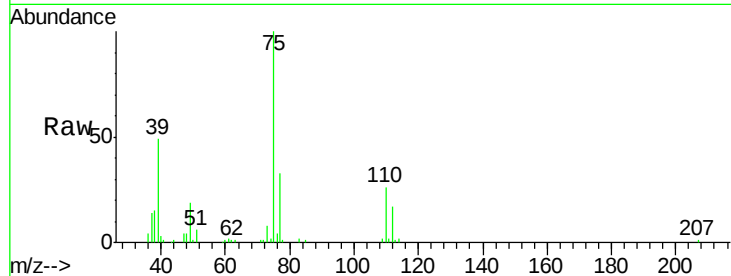
75 100

77 32.8 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 19.049 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

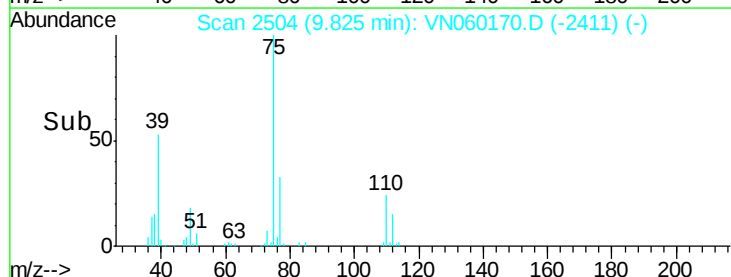
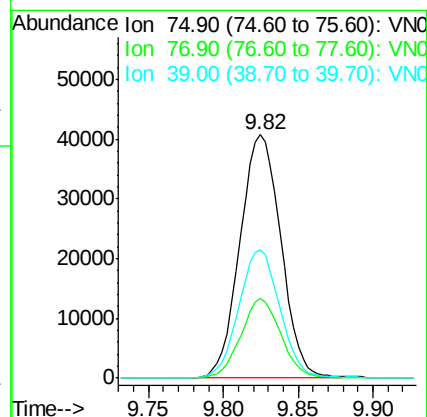
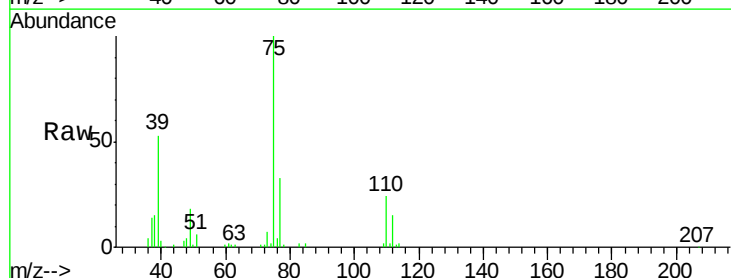
Tgt Ion: 75 Resp: 77739

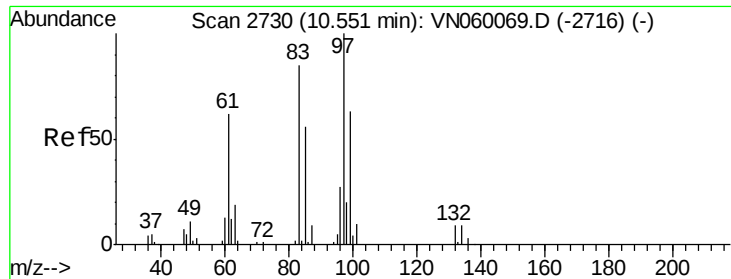
Ion Ratio Lower Upper

75 100

77 32.7 25.6 38.4

39 52.9 42.2 63.4





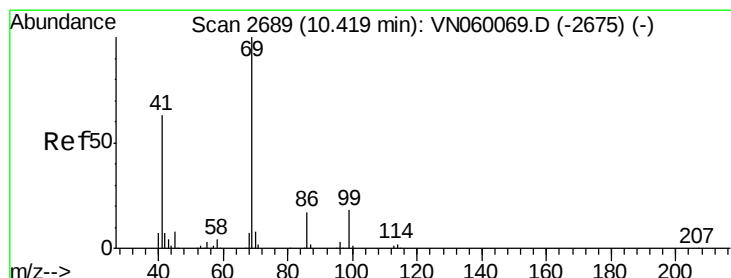
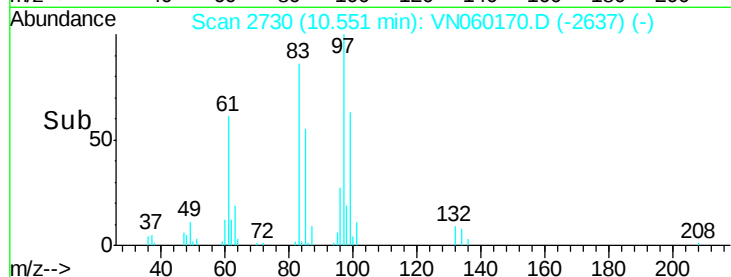
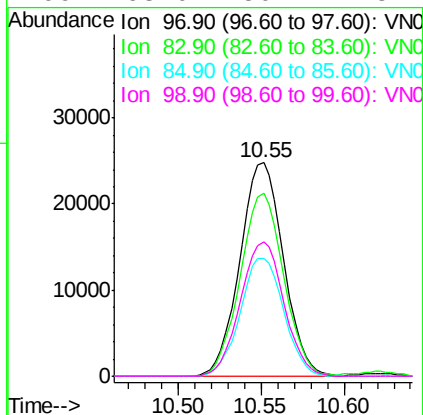
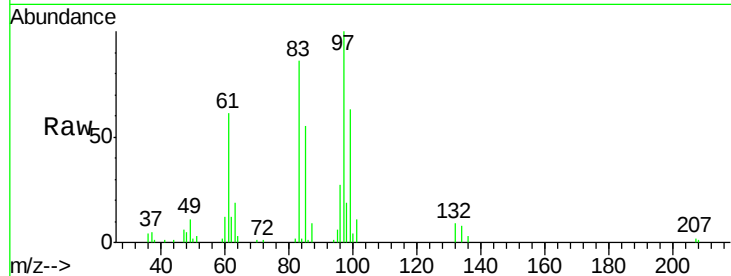
#55
 1,1,2-Trichloroethane
 Concen: 18.735 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060170.D
 Acq: 20 Feb 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.9	101.9
85	55.4	44.6	67.0
99	63.0	50.1	75.1

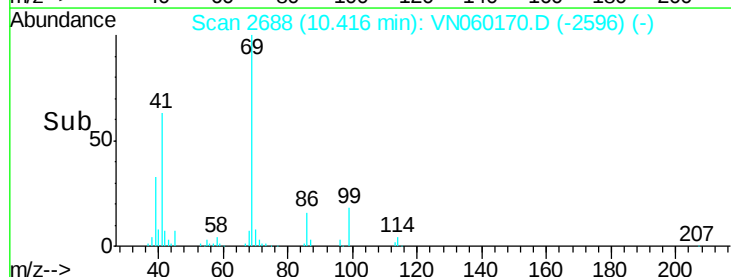
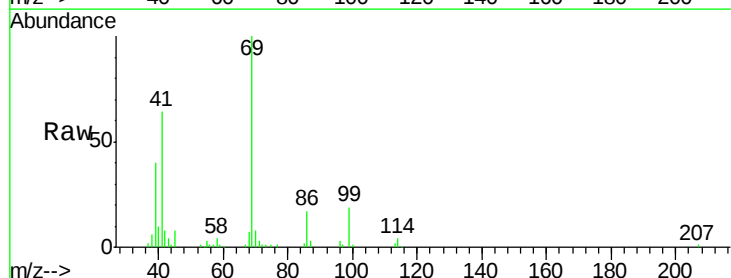
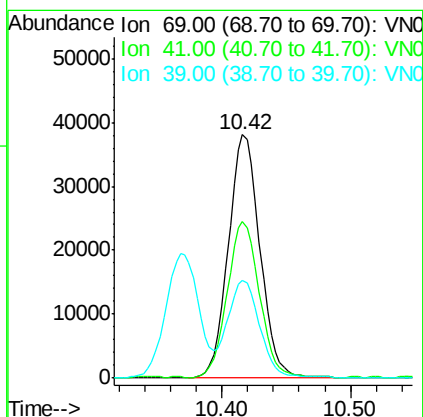
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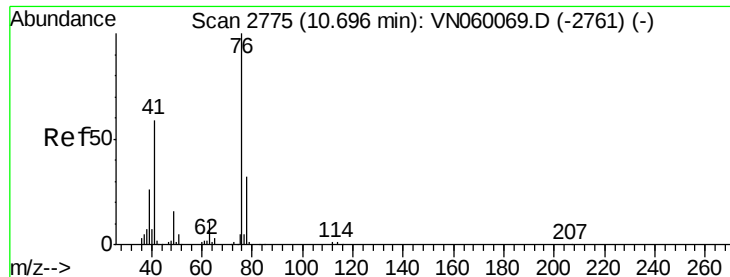
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 2/21/2020 9:14:58 AM



#56
 Ethyl methacrylate
 Concen: 18.948 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060170.D
 Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.3	51.1	76.7
39	40.3	33.8	50.8





#57

1,3-Dichloropropane

Concen: 19.265 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBSD01

Tot Ion: 76 Resp: 76764

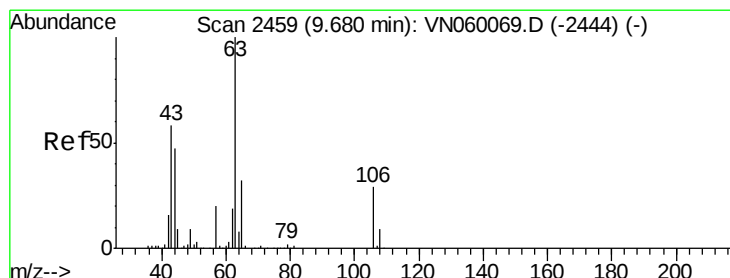
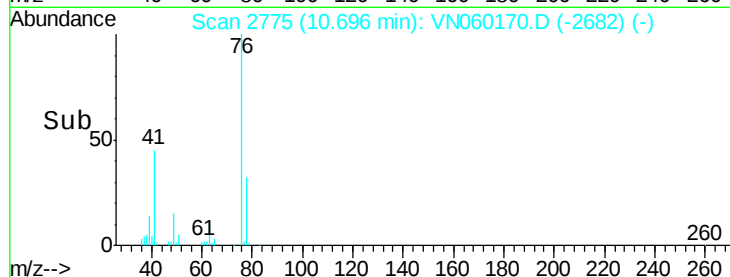
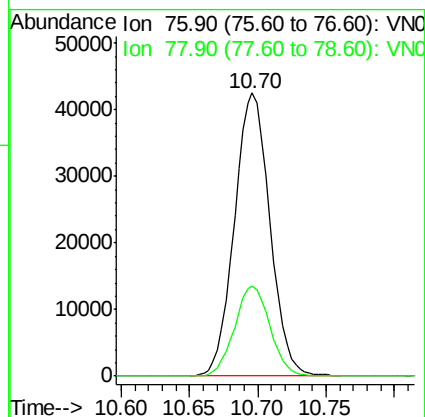
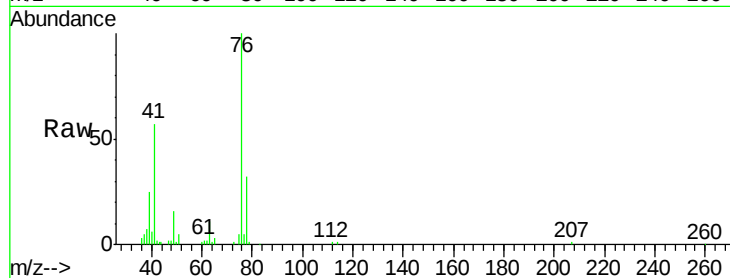
Ion Ratio Lower Upper

76 100

78 31.7 25.7 38.5

Manual Integrations
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2/21/2020 9:14:58 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.792 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060170.D

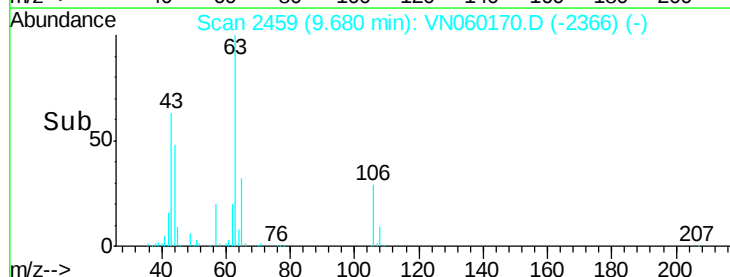
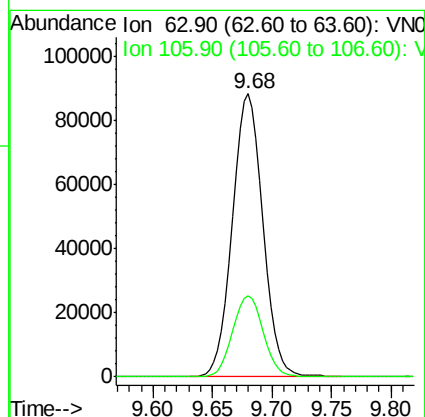
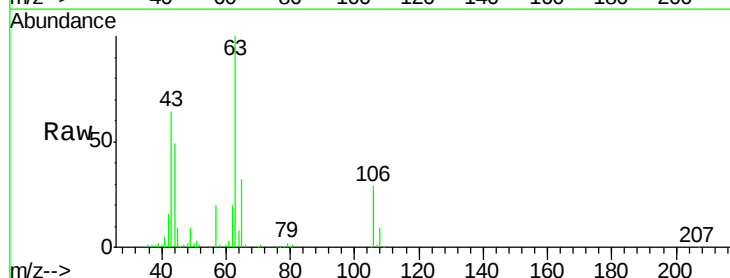
Acq: 20 Feb 2020 14:15

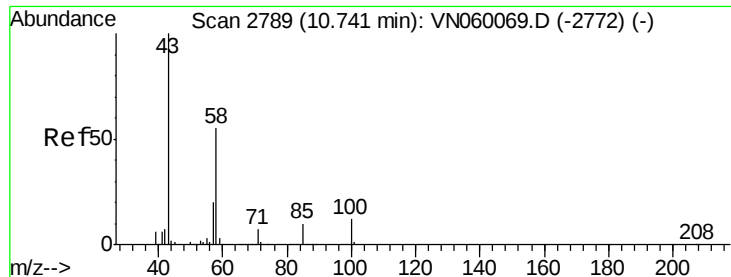
Tgt Ion: 63 Resp: 157226

Ion Ratio Lower Upper

63 100

106 28.8 22.9 34.3





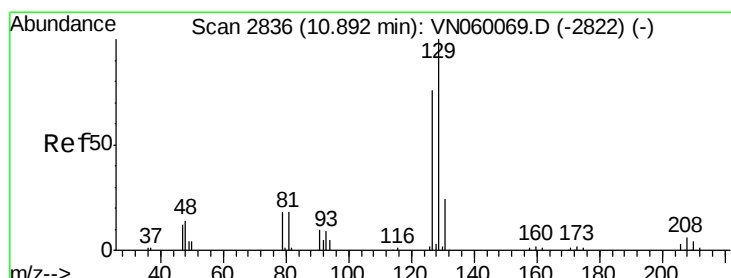
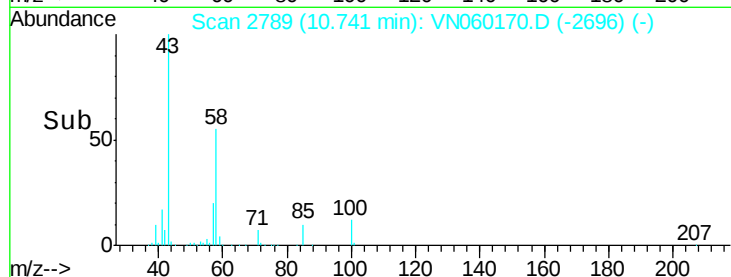
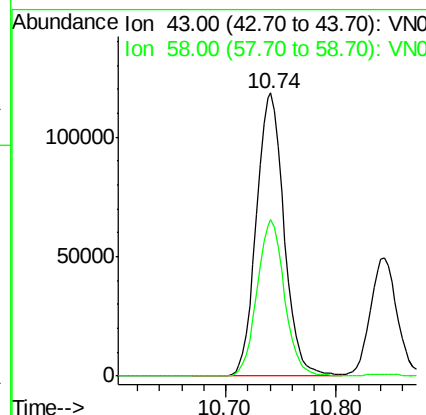
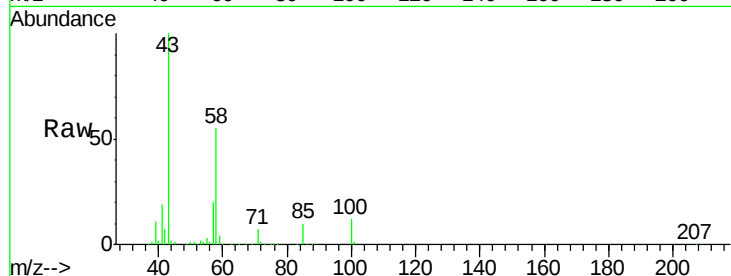
#59
2-Hexanone
Concen: 91.897 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBSD01

Tot Ion: 43 Resp: 206567
Ion Ratio Lower Upper
43 100
58 54.5 27.5 82.4

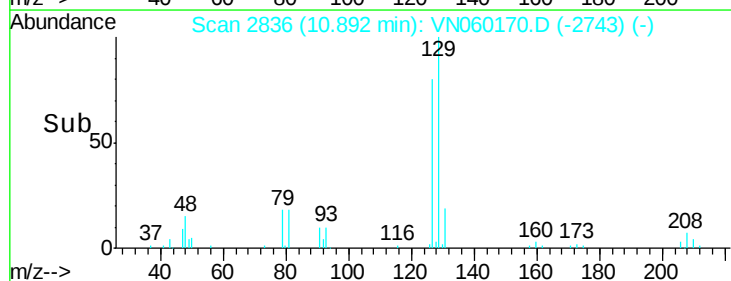
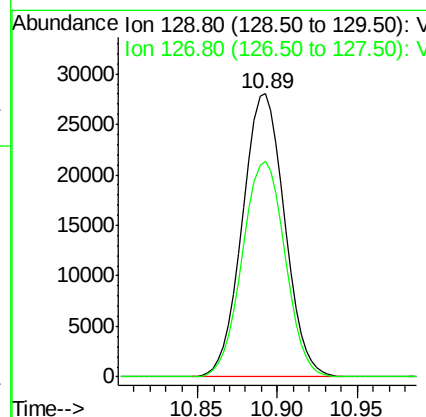
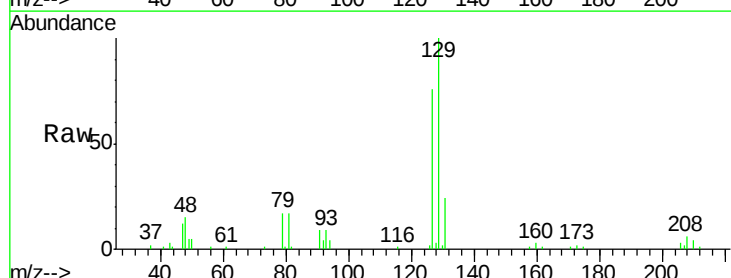
Manual Integrations
APPROVED

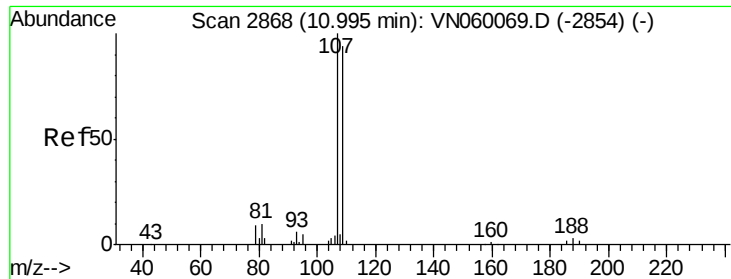
MMDadoda
2/21/2020 9:14:58 AM



#60
Dibromochloromethane
Concen: 18.239 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion:129 Resp: 50544
Ion Ratio Lower Upper
129 100
127 77.0 38.0 114.1





#61

1,2-Dibromoethane

Concen: 18.582 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBSD01

Tot Ion:107 Resp: 47041

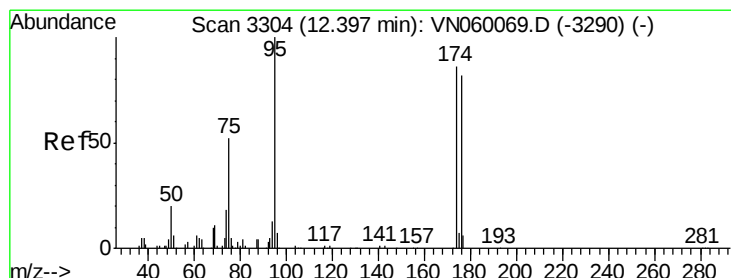
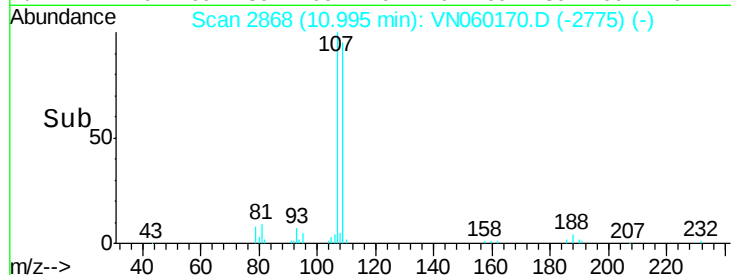
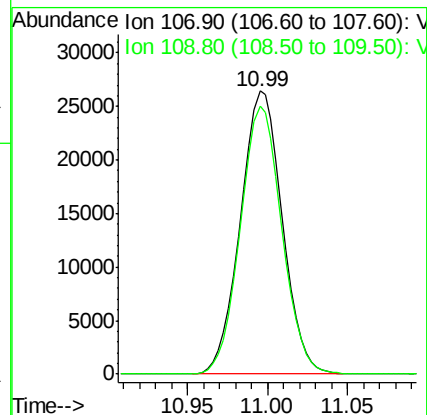
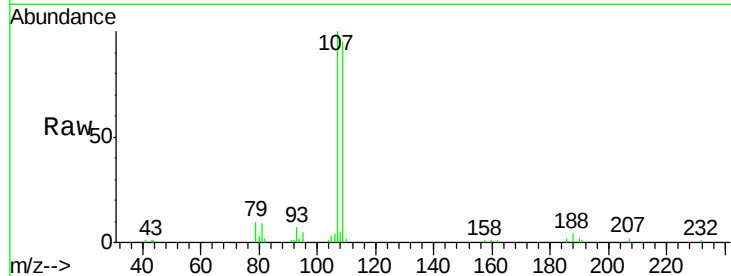
Ion Ratio Lower Upper

107 100

109 94.0 75.4 113.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 48.345 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

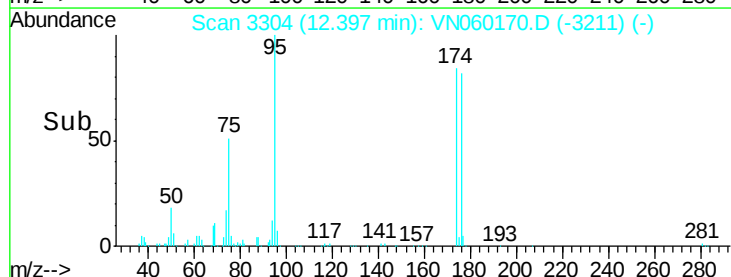
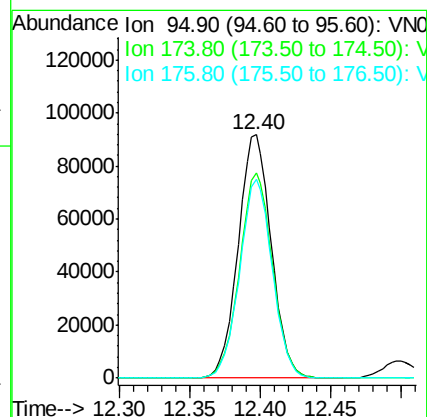
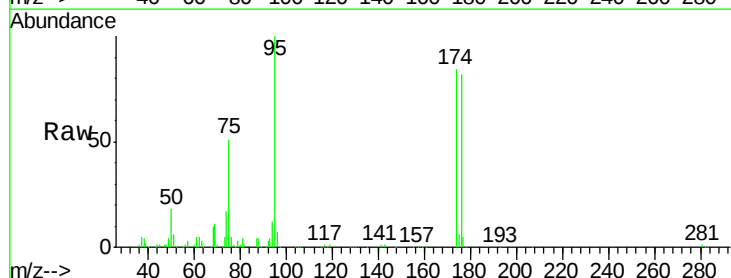
Tgt Ion: 95 Resp: 151074

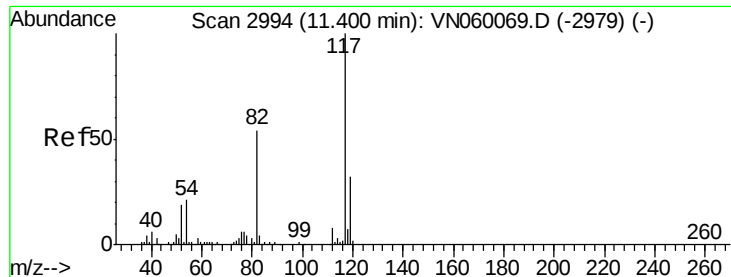
Ion Ratio Lower Upper

95 100

174 83.9 0.0 169.8

176 80.7 0.0 164.8





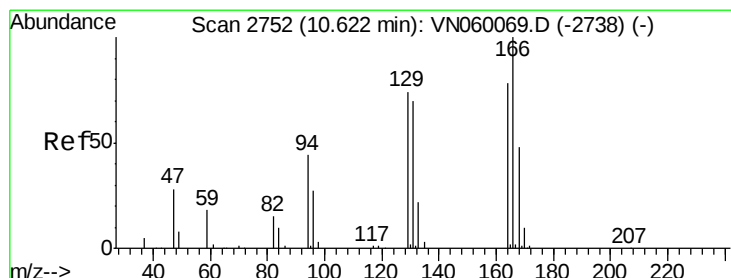
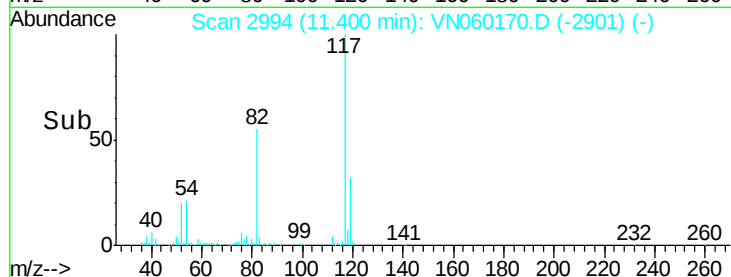
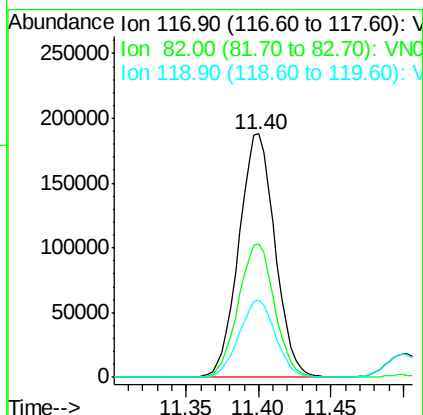
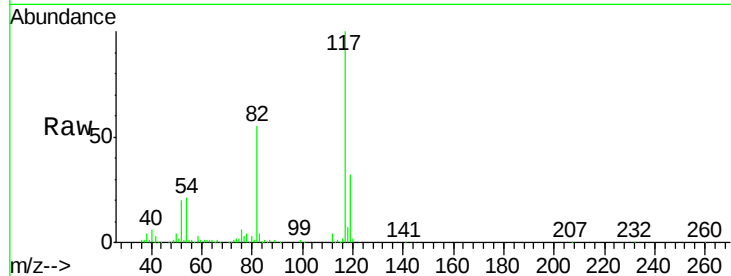
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Instrument :
MSVOA_N
ClientSampled :
VN0220WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	43.4	65.0
119	31.7	25.8	38.6

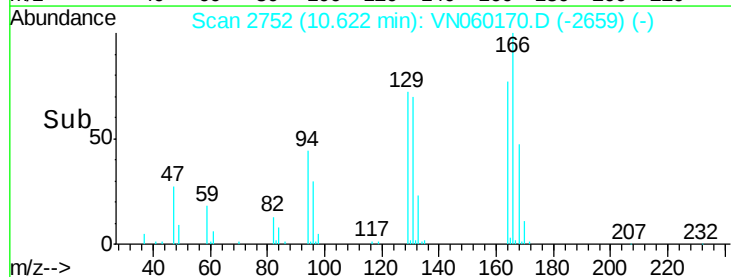
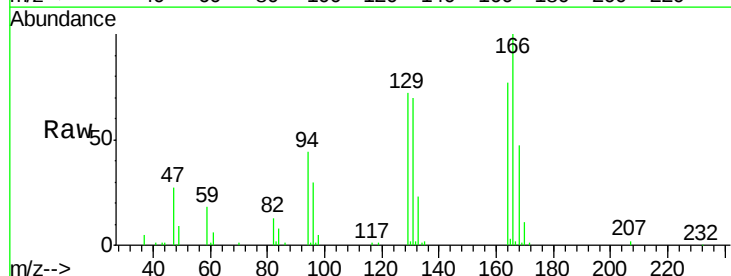
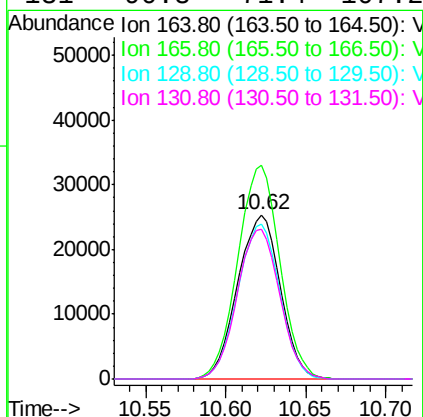
Manual Integrations
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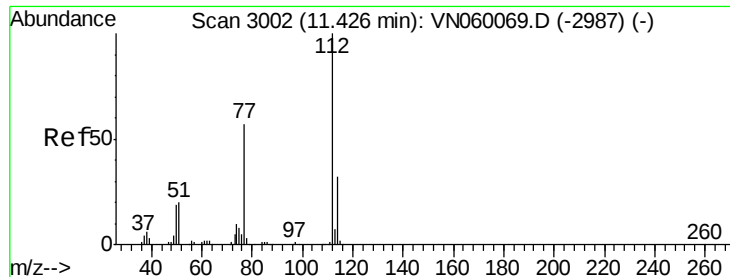
MMDadoda
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#64
Tetrachloroethene
Concen: 18.675 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.9	152.9
129	94.0	75.4	113.0
131	90.8	71.4	107.2





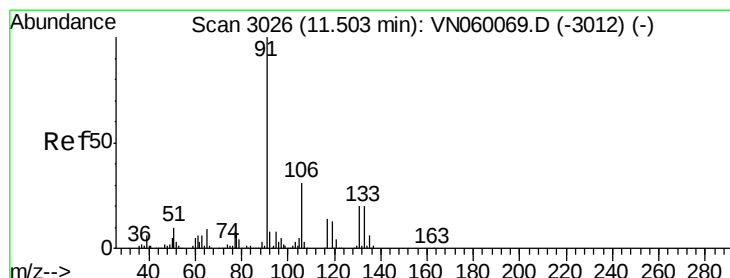
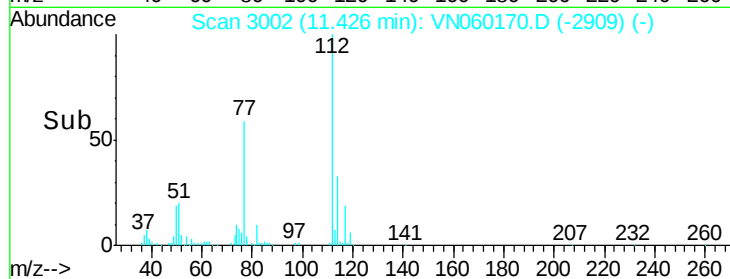
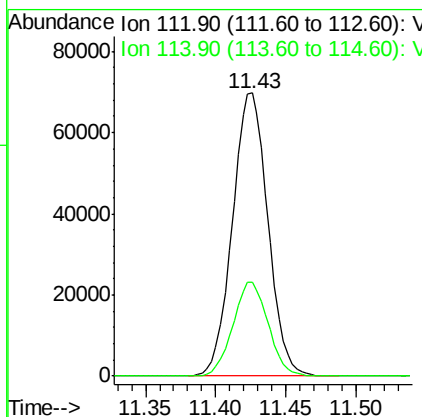
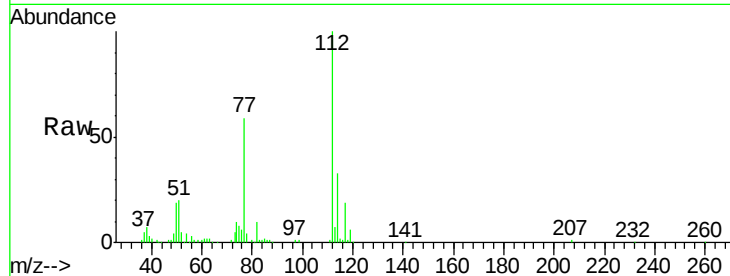
#65
Chlorobenzene
Concen: 18.484 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.4	38.0

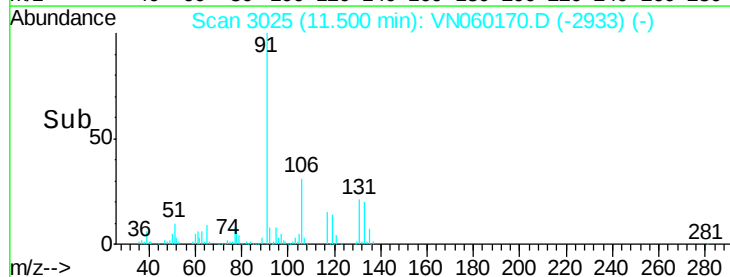
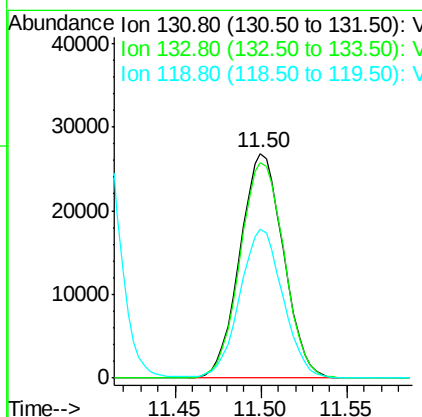
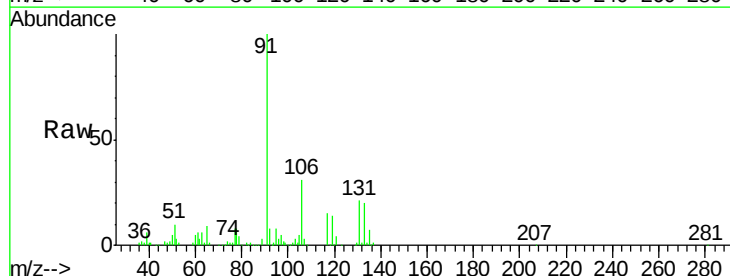
Manual Integrations
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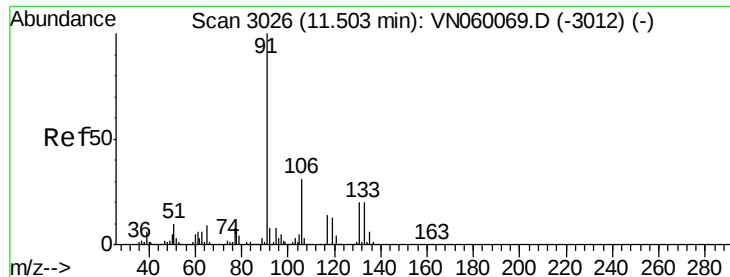
MMDadoda
2/21/2020 9:14:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.796 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.5	47.9	143.7
119	65.9	32.6	97.7





#67

Ethyl Benzene

Concen: 18.937 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBSD01

Tot Ion: 91 Resp: 226684

Ion Ratio Lower Upper

91 100

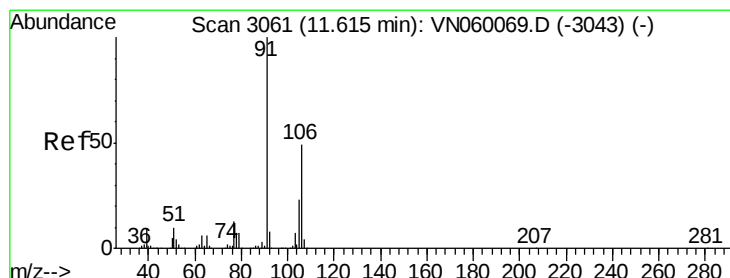
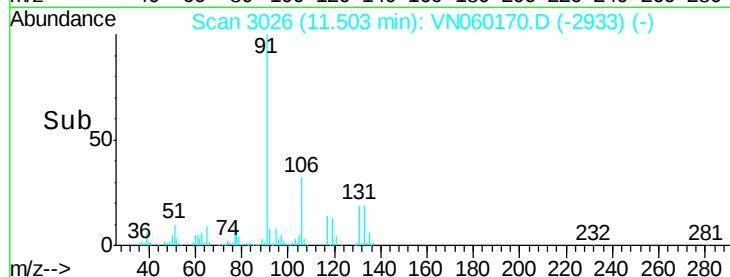
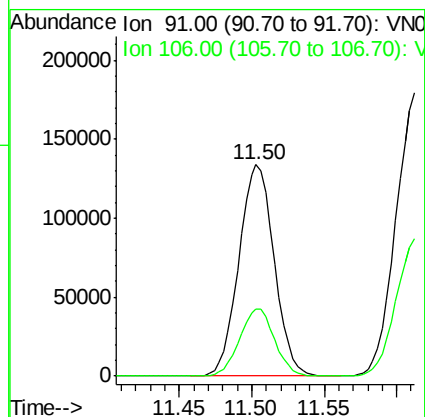
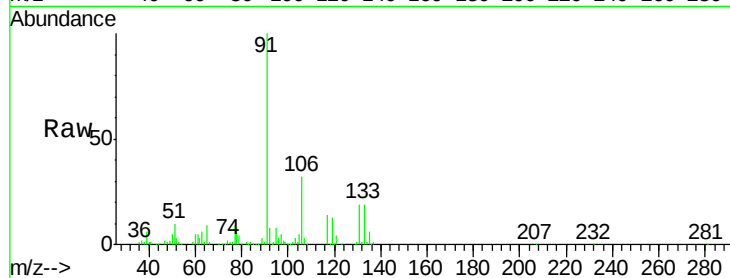
106 32.0 25.1 37.7

Manual Integrations

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2/21/2020 9:14:58 AM



#68

m/p-Xylenes

Concen: 38.291 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060170.D

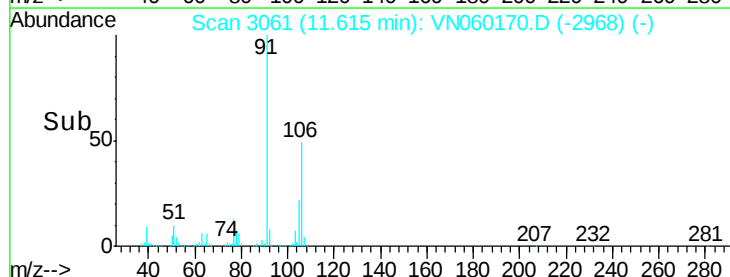
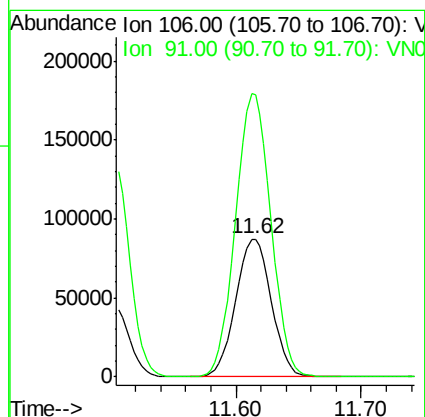
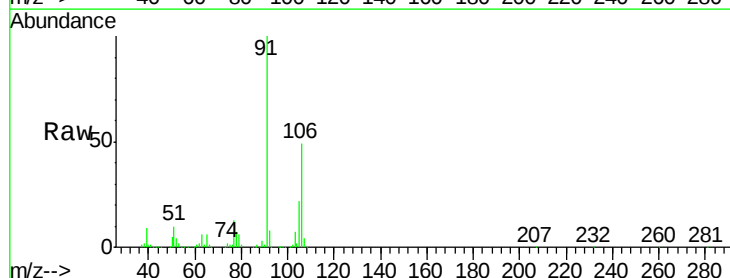
Acq: 20 Feb 2020 14:15

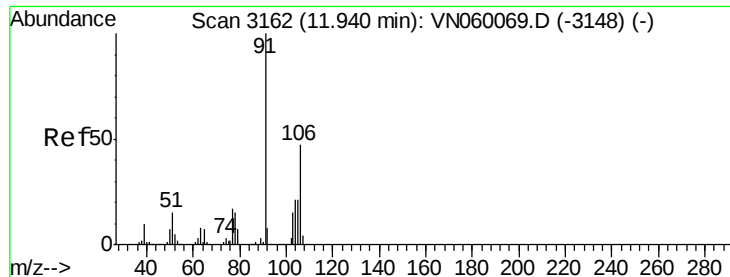
Tgt Ion: 106 Resp: 172028

Ion Ratio Lower Upper

106 100

91 204.6 162.7 244.1





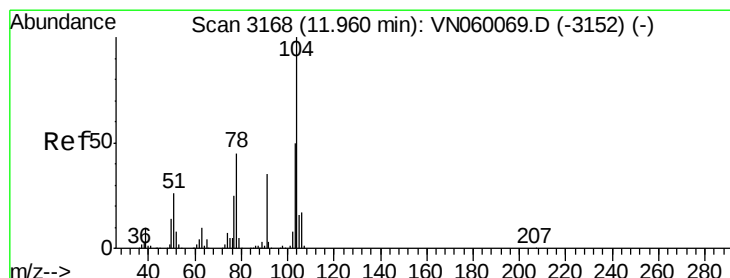
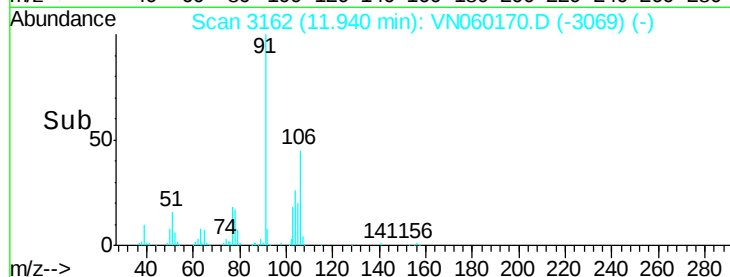
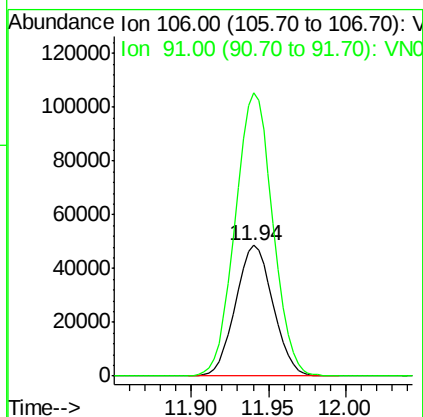
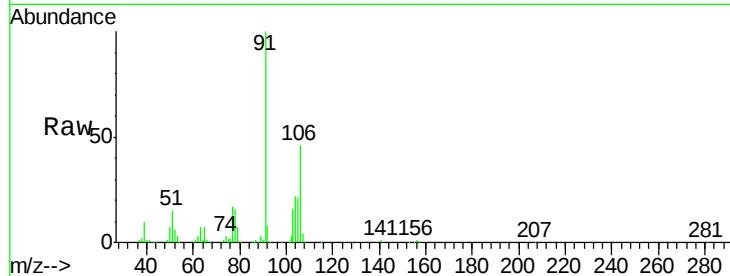
#69
o-Xylene
Concen: 18.933 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBSD01

Tot Ion:106 Resp: 81897
Ion Ratio Lower Upper
106 100
91 216.9 107.2 321.6

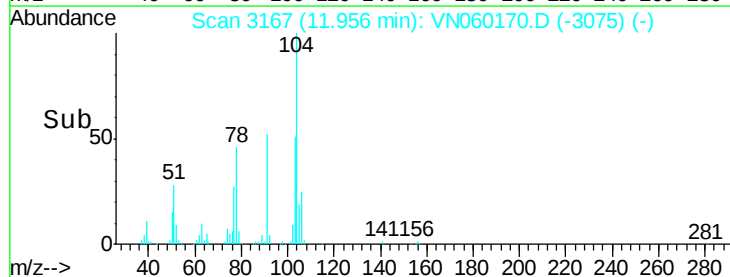
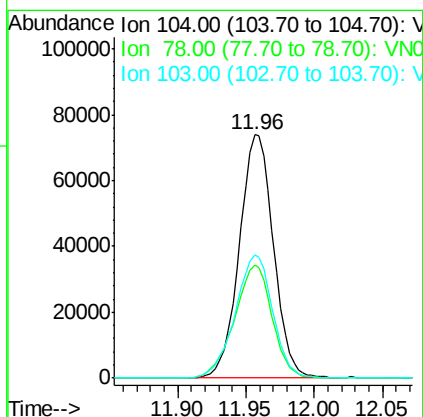
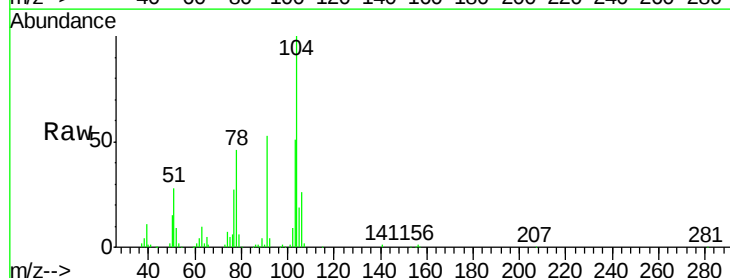
Manual Integrations
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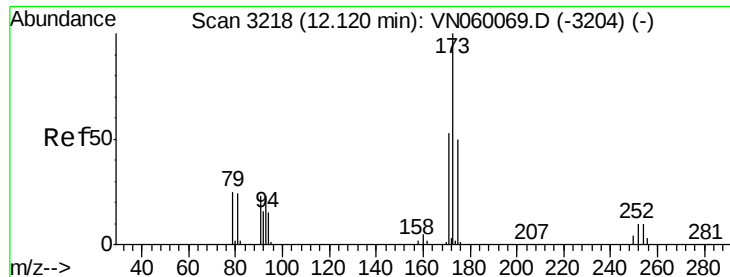
MMDadoda
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#70
Styrene
Concen: 18.423 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion:104 Resp: 128507
Ion Ratio Lower Upper
104 100
78 51.1 40.2 60.2
103 55.6 44.3 66.5





#71

Bromoform

Concen: 17.882 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

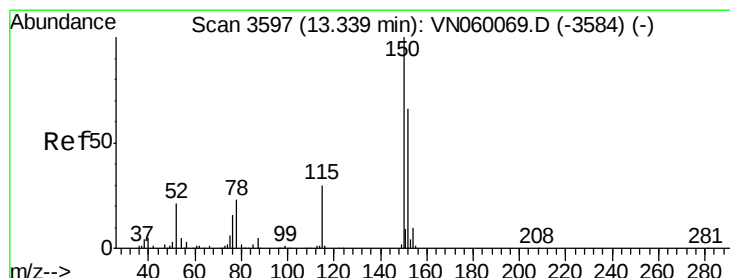
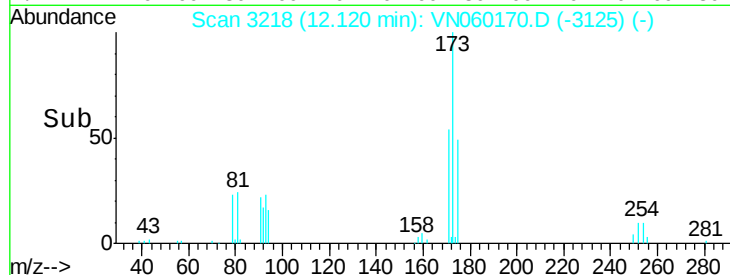
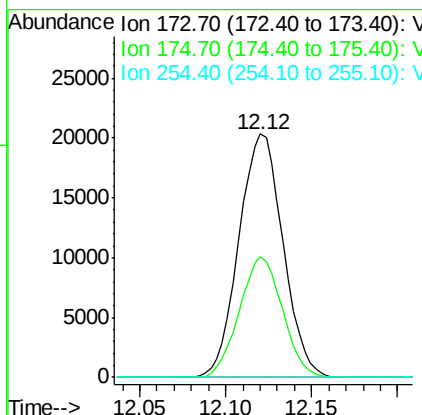
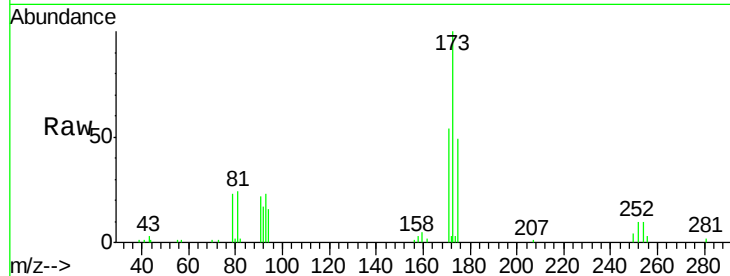
ClientSampleId :

VN0220WBSD01

Tot Ion:	173	Resp:	36112
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.9	74.6
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

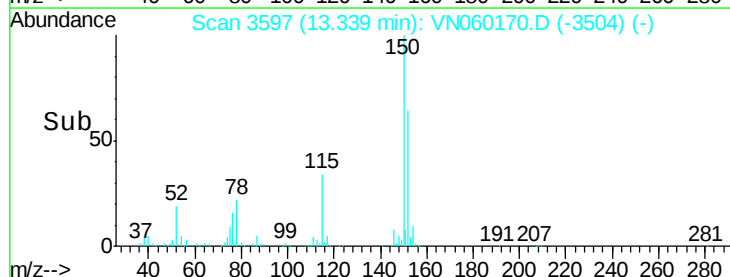
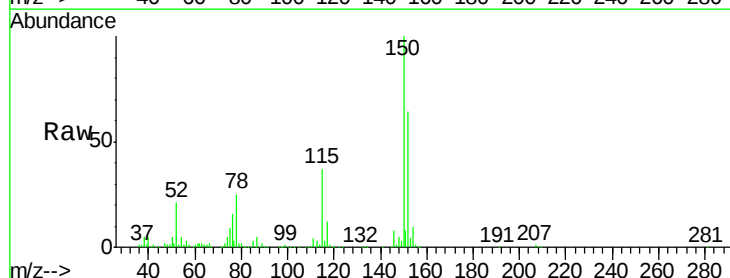
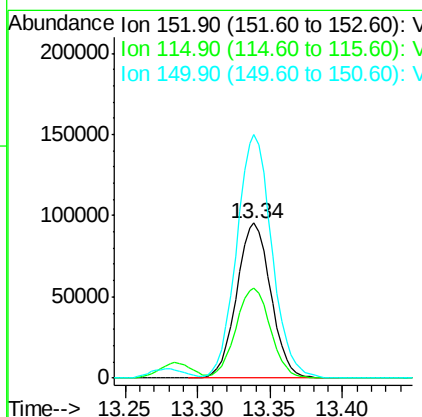
RT: 13.34 min Scan# 3597

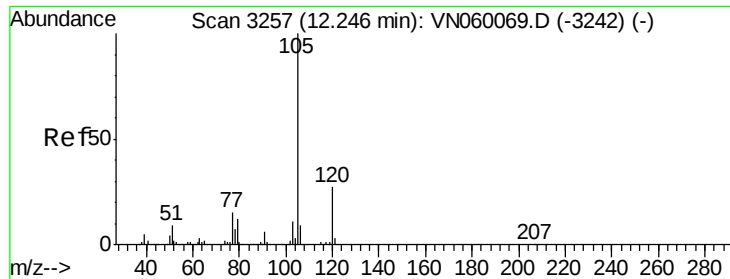
Delta R.T. 0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Tgt Ion:	152	Resp:	156373
Ion Ratio	Lower	Upper	
152	100		
115	58.3	28.9	86.8
150	161.4	0.0	342.4





#73

Isopropylbenzene

Concen: 18.903 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBSD01

Tot Ion: 105 Resp: 220731

Ion Ratio Lower Upper

105 100

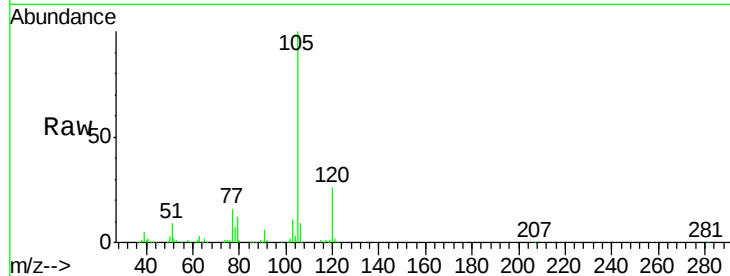
120 26.1 13.3 39.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

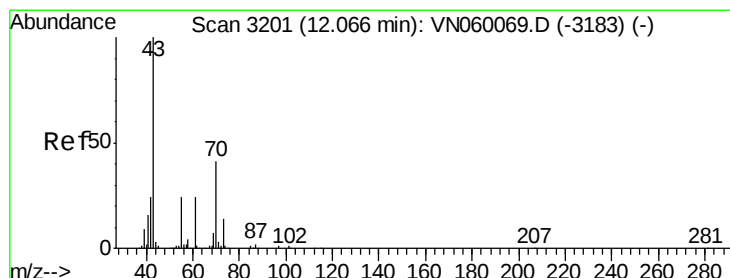
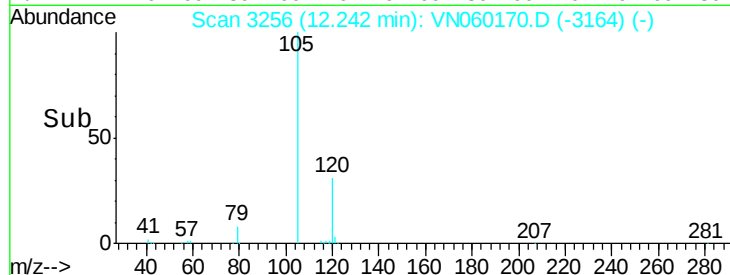
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.822 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Tgt Ion: 43 Resp: 79253

Ion Ratio Lower Upper

43 100

70 42.4 33.4 50.0

55 24.7 18.8 28.2

61 24.4 19.2 28.8

Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 70.00 (69.70 to 70.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 61.00 (60.70 to 61.70): VN

80000

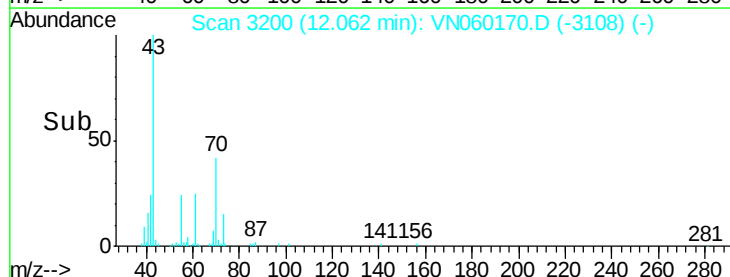
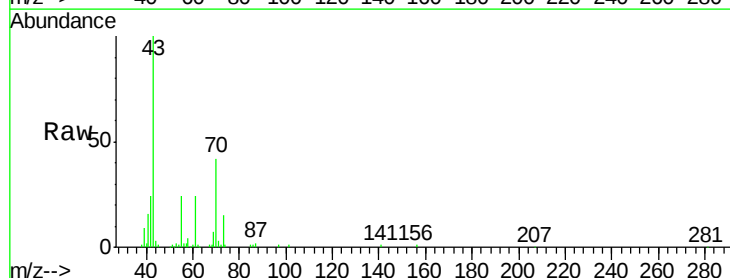
60000

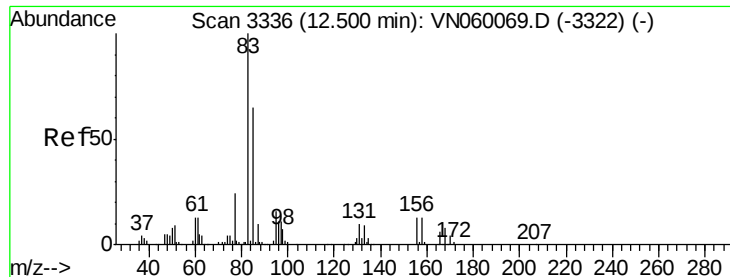
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.965 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

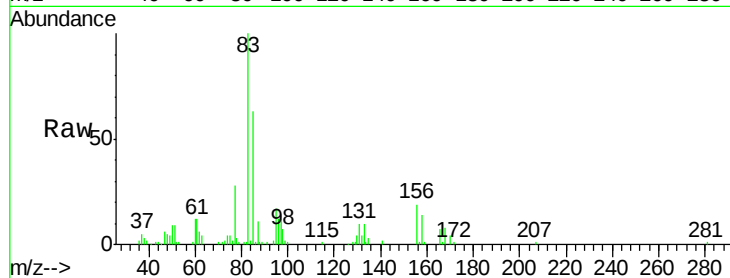
ClientSampleId :

VN0220WBSD01

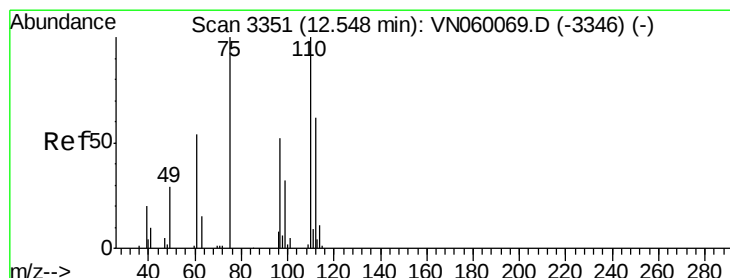
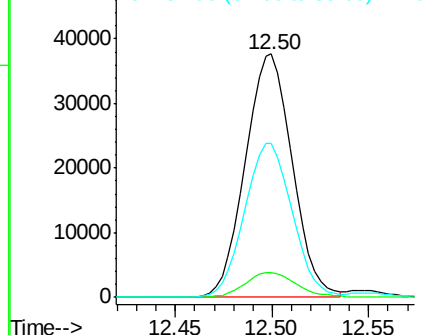
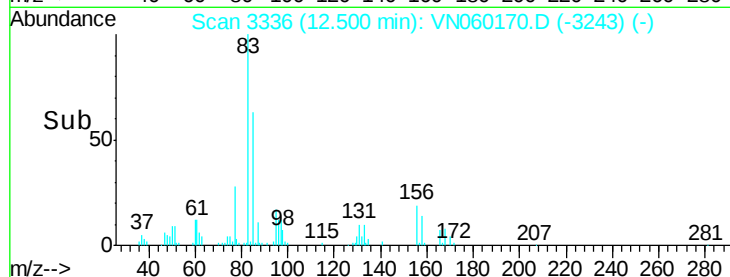
Tot Ion:	83	Resp:	63742
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.2	15.6
85	64.1	32.3	96.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060170.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 19.301 ug/l m

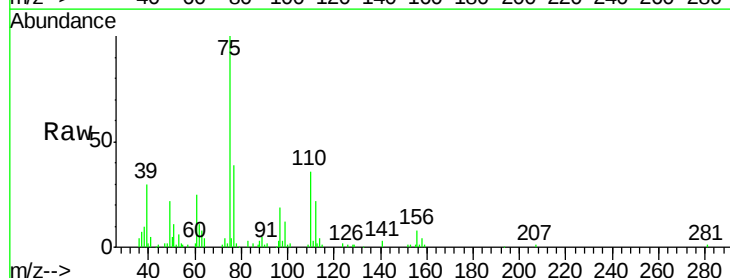
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

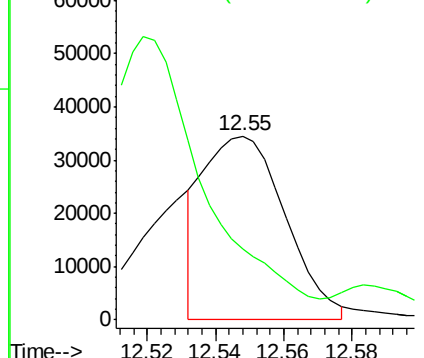
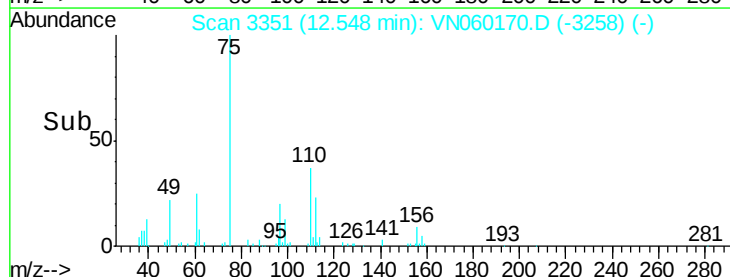
Lab File: VN060170.D

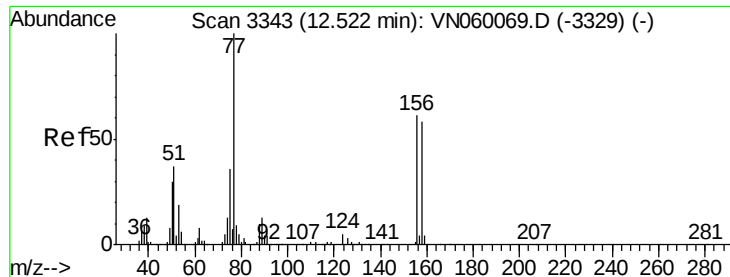
Acq: 20 Feb 2020 14:15

Tgt Ion:	75	Resp:	57743
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060170.D (-3258) (-)





#77

Bromobenzene

Concen: 21.003 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

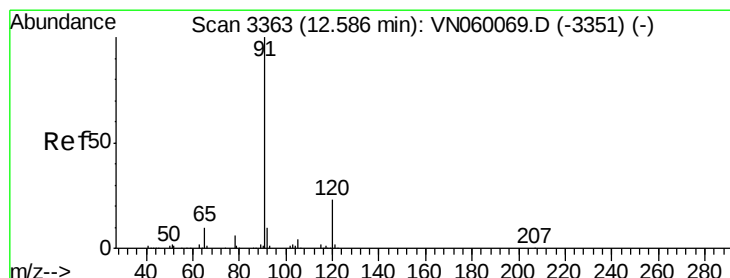
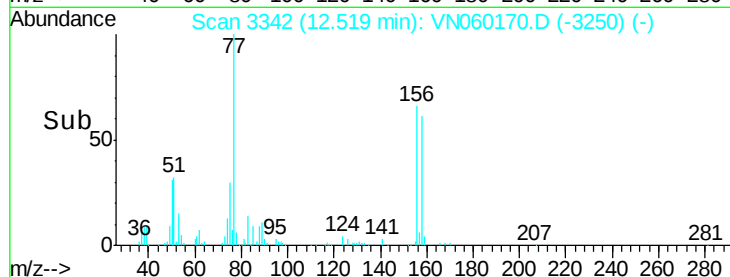
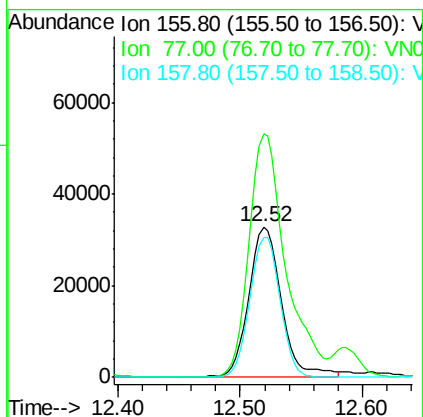
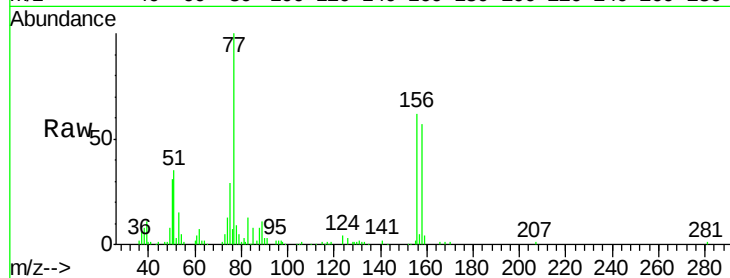
ClientSampled :

VN0220WBSD01

Tot Ion:	156	Resp:	60865
Ion Ratio	Lower	Upper	
156	100		
77	181.2	98.7	296.1
158	85.4	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 18.425 ug/l

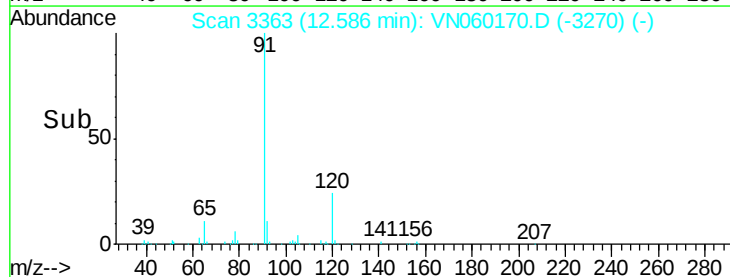
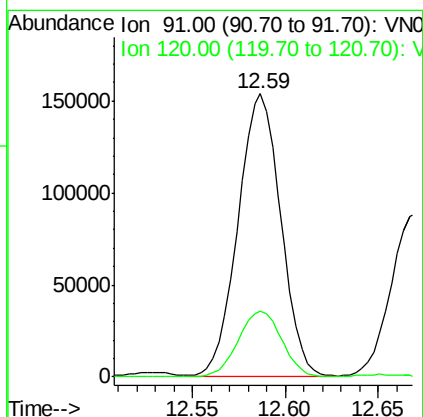
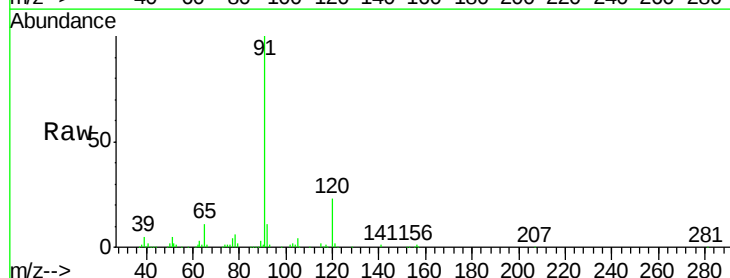
RT: 12.59 min Scan# 3363

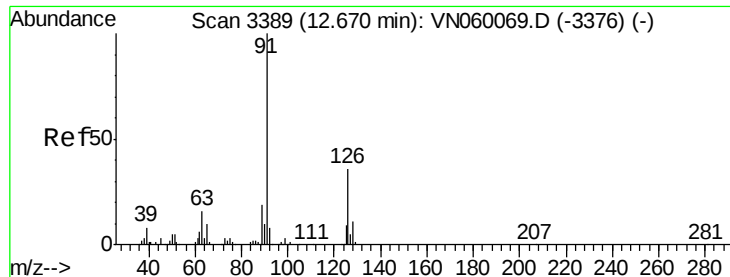
Delta R.T. 0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Tgt Ion:	91	Resp:	245127
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.5	34.5





#79

2-Chlorotoluene

Concen: 18.818 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBSD01

Tot Ion: 91 Resp: 147151

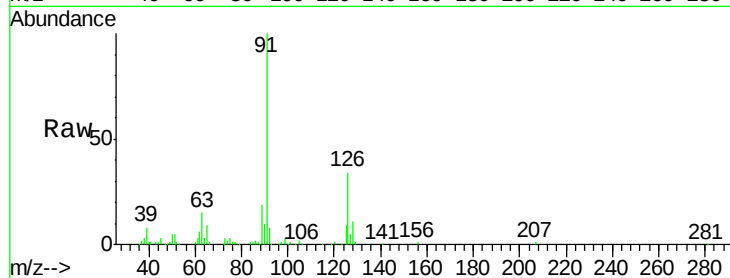
Ion Ratio Lower Upper

91 100

126 34.2 17.4 52.2

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN060170.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060170.D (-3376) (-)

150000

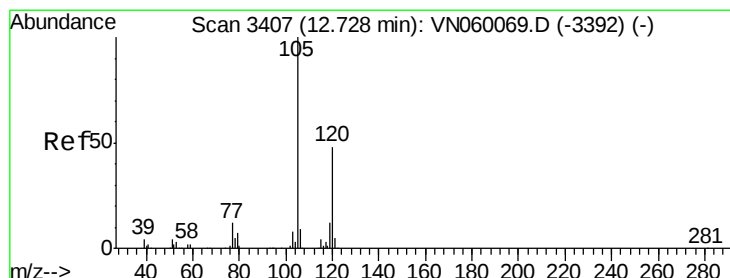
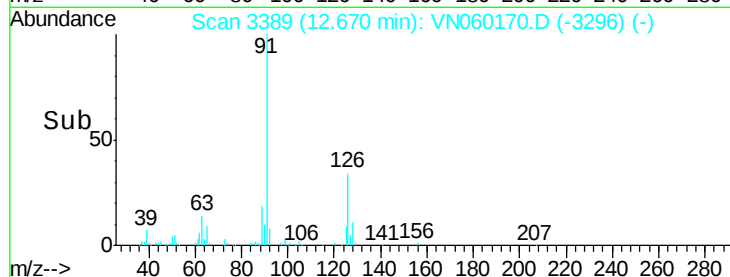
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.146 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060170.D

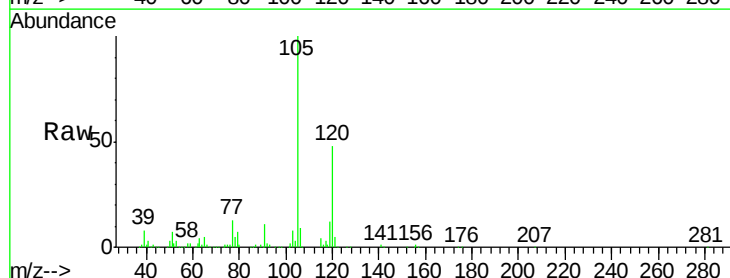
Acq: 20 Feb 2020 14:15

Tgt Ion: 105 Resp: 185889

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060170.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN060170.D (-3392) (-)

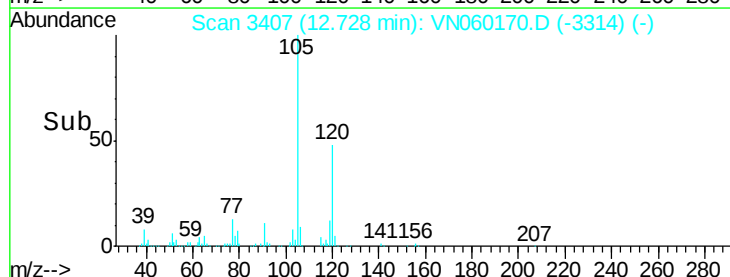
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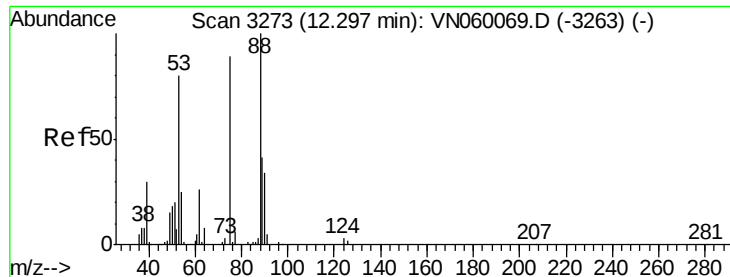
50000

0

12.65 12.70 12.75 12.80

Time-->





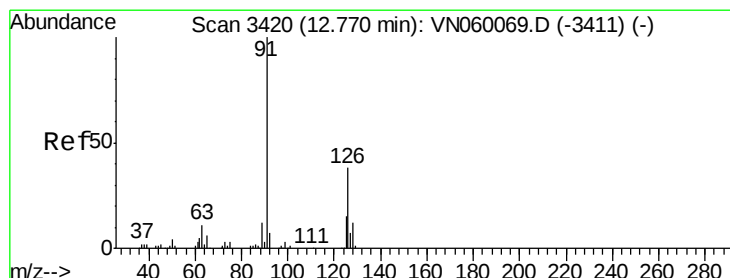
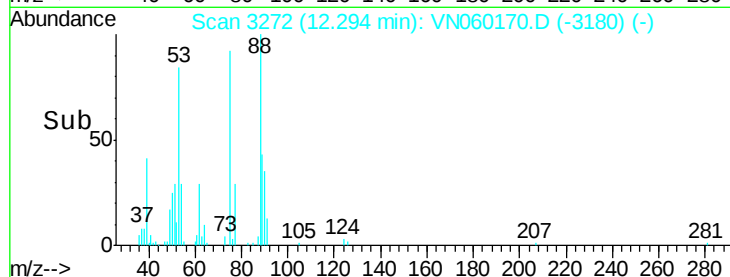
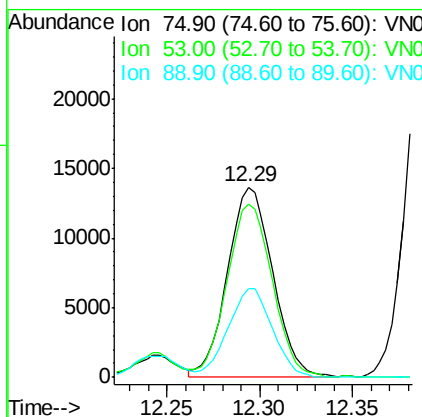
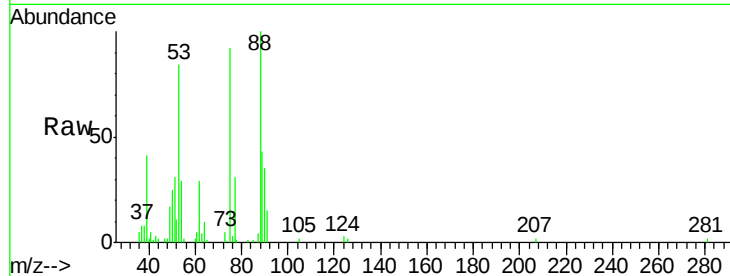
#81
trans-1,4-Dichloro-2-butene
Concen: 18.921 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.5	73.9	110.9
89	45.7	37.0	55.4

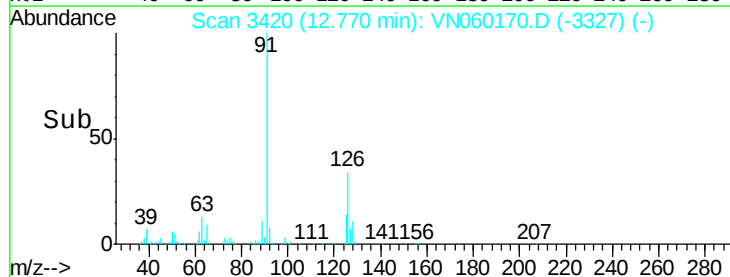
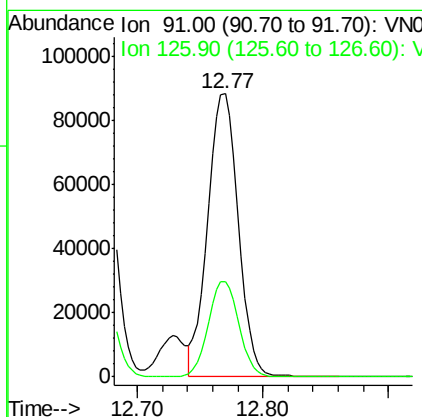
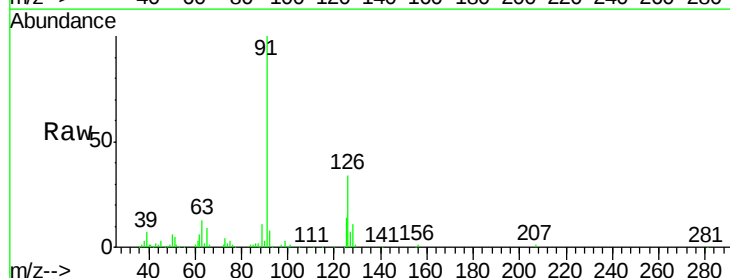
Manual Integrations
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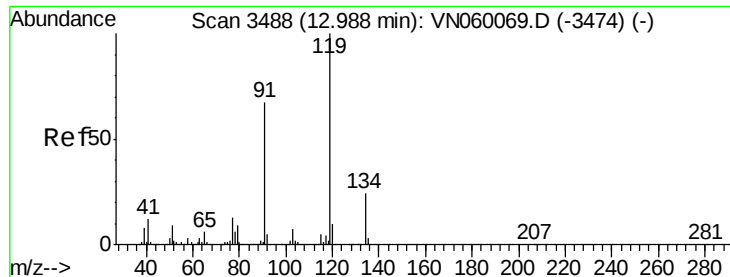
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.658 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.1	51.3





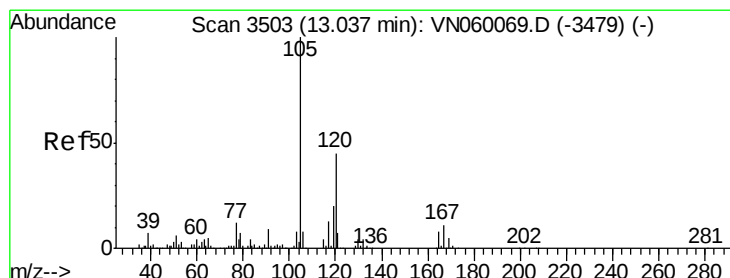
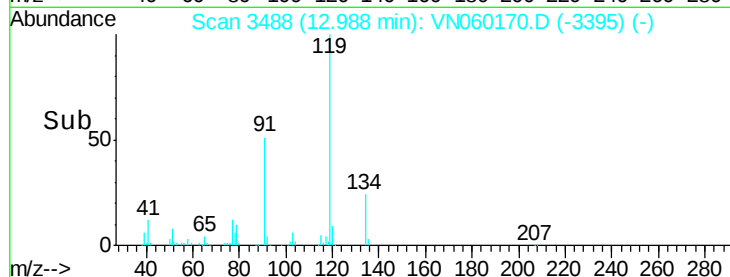
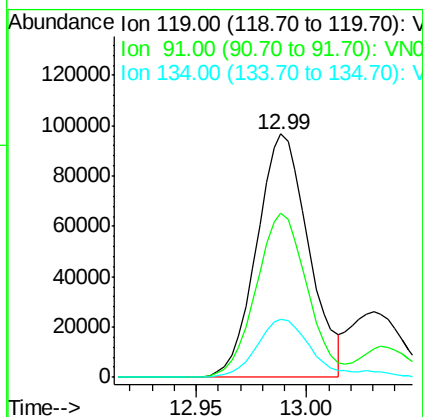
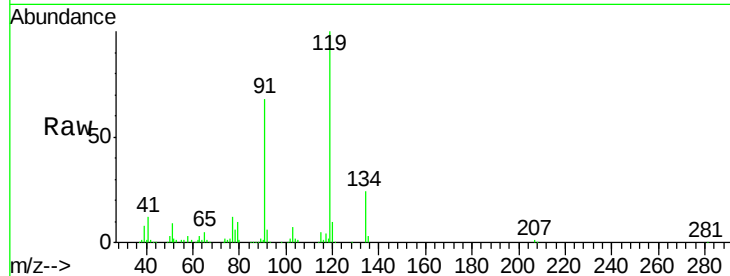
#83
 tert-Butylbenzene
 Concen: 18.367 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060170.D
 Acq: 20 Feb 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBSD01

Tot Ion:	119	Resp:	157749
Ion Ratio	Lower	Upper	
119	100		
91	66.6	32.7	98.1
134	26.0	12.9	38.7

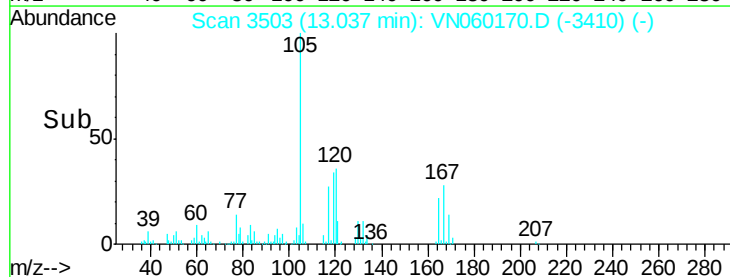
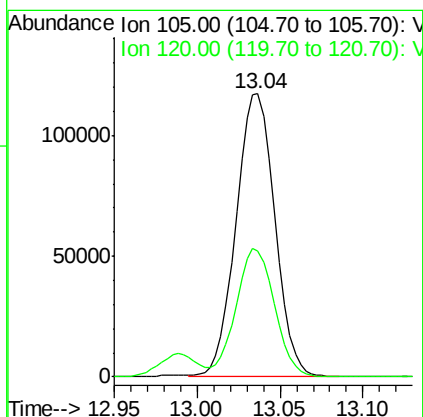
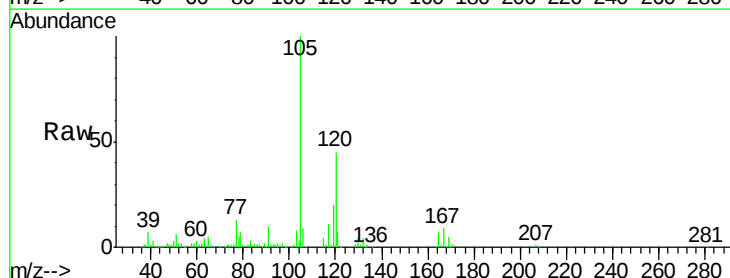
Manual Integrations
 APPROVED

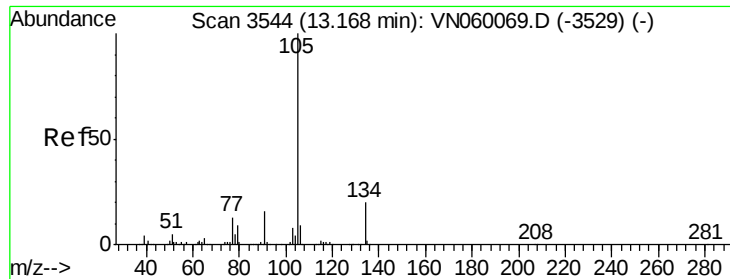
MMDadoda
 2/21/2020 9:14:58 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.867 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN060170.D
 Acq: 20 Feb 2020 14:15

Tgt Ion:	105	Resp:	190406
Ion Ratio	Lower	Upper	
105	100		
120	45.0	22.4	67.3





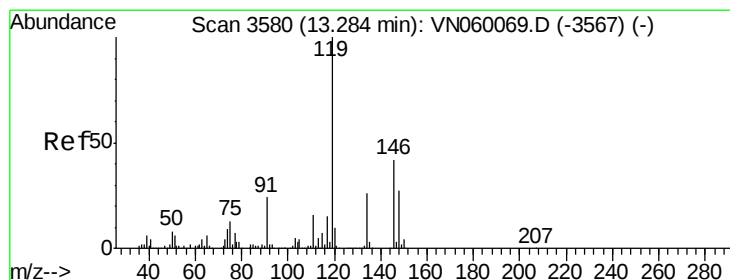
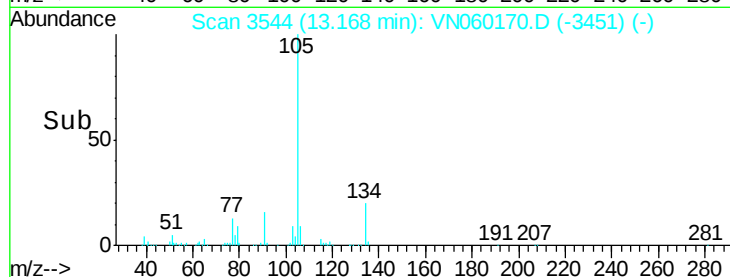
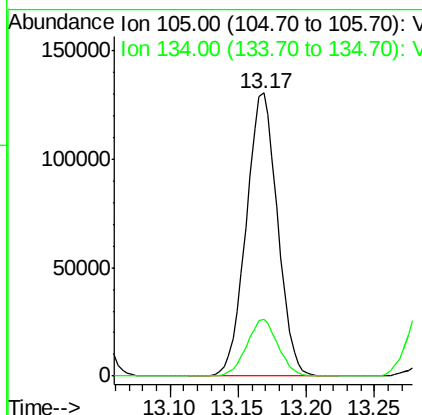
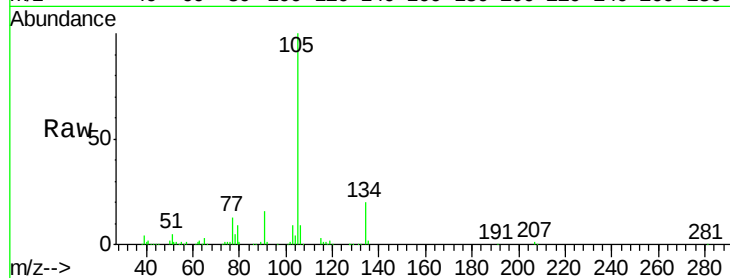
#85
 sec-Butylbenzene
 Concen: 18.288 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060170.D
 Acq: 20 Feb 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.9	29.7

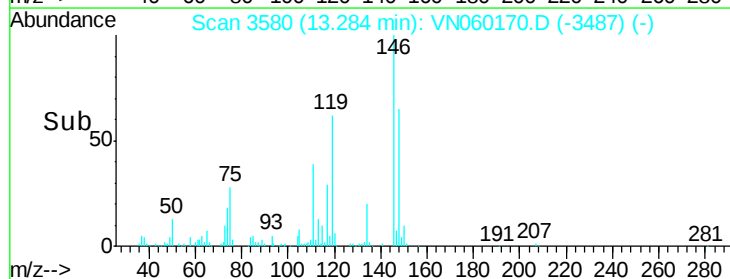
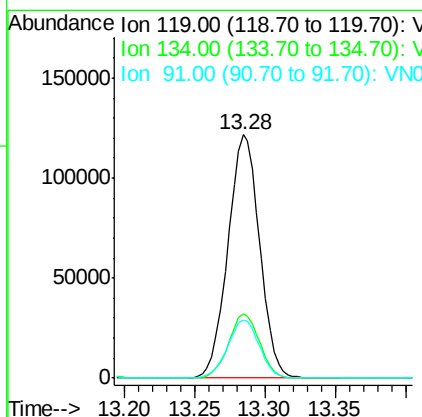
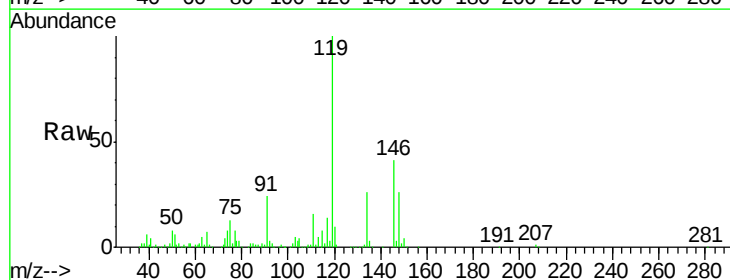
Manual Integrations
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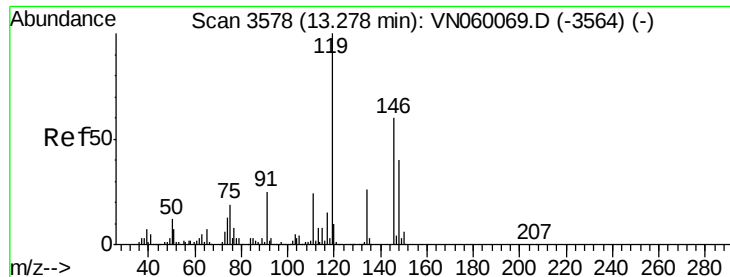
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 2/21/2020 9:14:58 AM



#86
 p-Isopropyltoluene
 Concen: 18.396 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060170.D
 Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.3	39.8
91	24.1	11.9	35.9





#87

1,3-Dichlorobenzene

Concen: 18.471 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

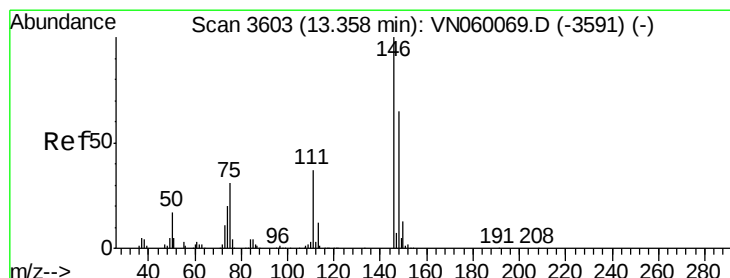
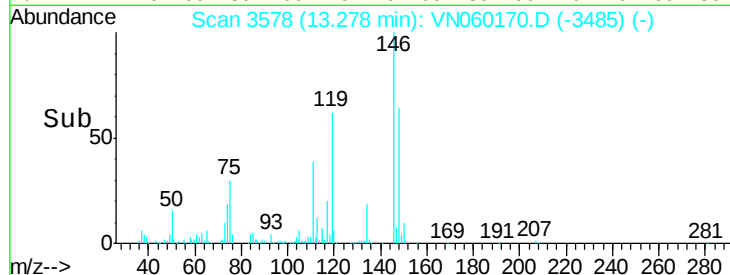
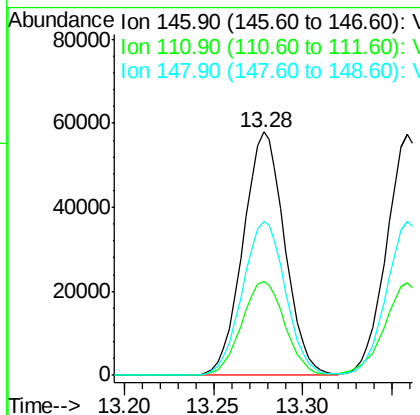
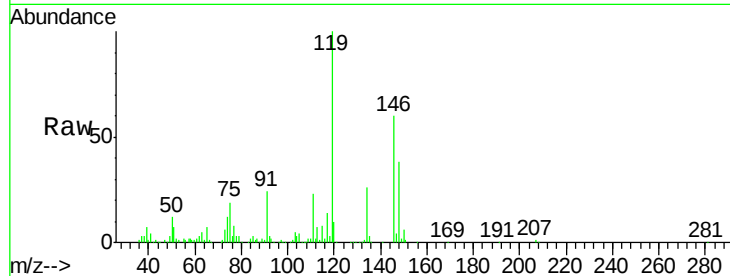
ClientSampleId :

VN0220WBSD01

Tot Ion:	146	Resp:	94749
Ion Ratio	Lower	Upper	
146	100		
111	39.9	19.8	59.3
148	65.3	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.444 ug/l

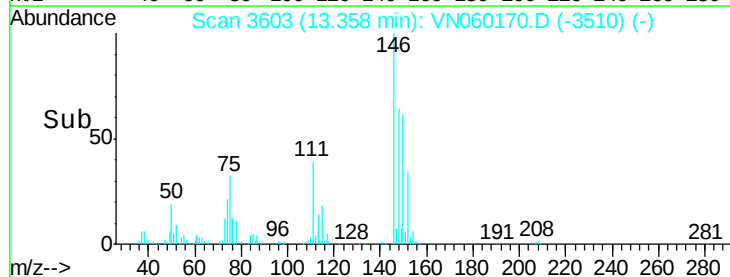
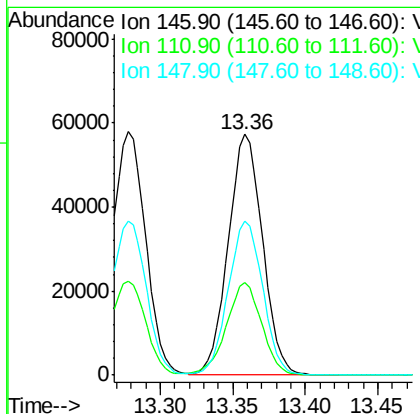
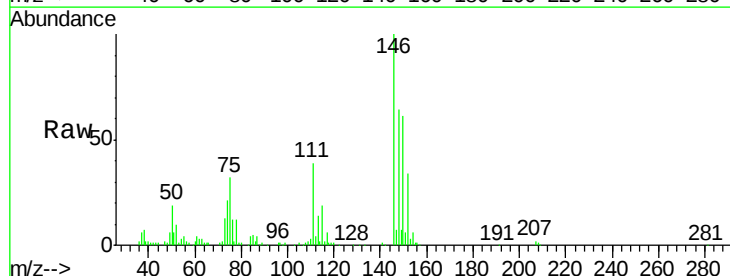
RT: 13.36 min Scan# 3603

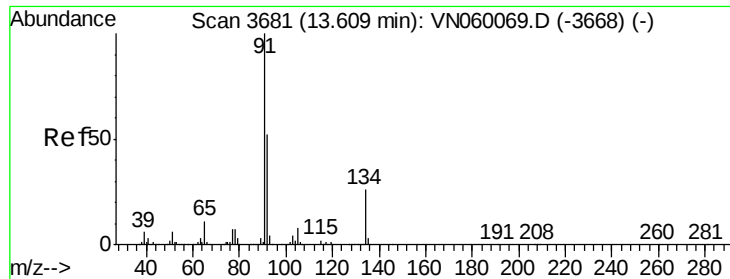
Delta R.T. 0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Tgt Ion:	146	Resp:	94594
Ion Ratio	Lower	Upper	
146	100		
111	39.7	18.9	56.5
148	64.1	32.0	96.0





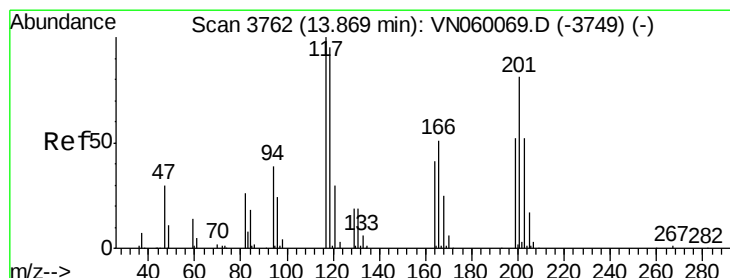
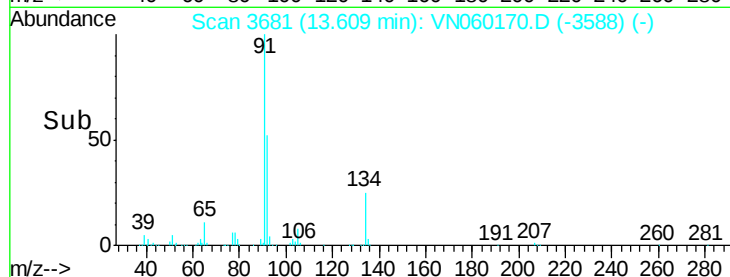
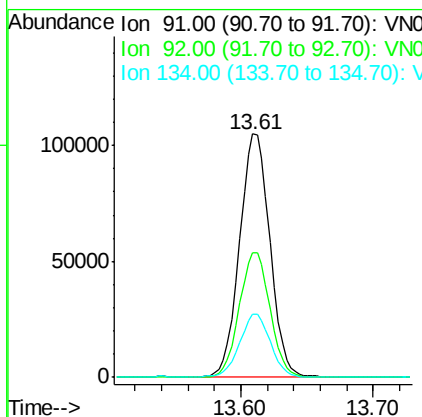
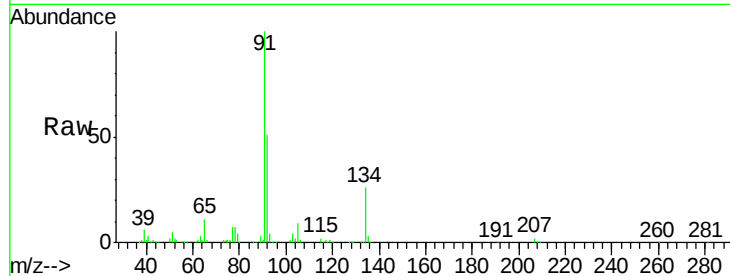
#89
n-Butylbenzene
Concen: 18.458 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	167310		
92	51.7	26.1	78.2	
134	26.5	13.1	39.3	

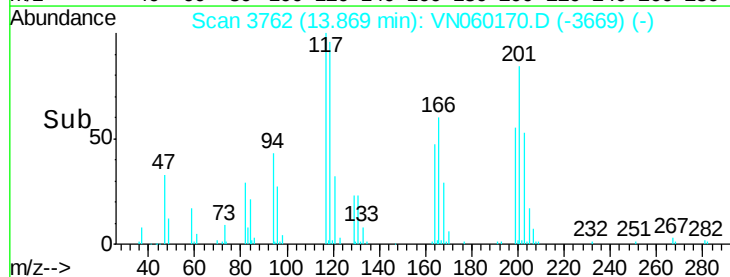
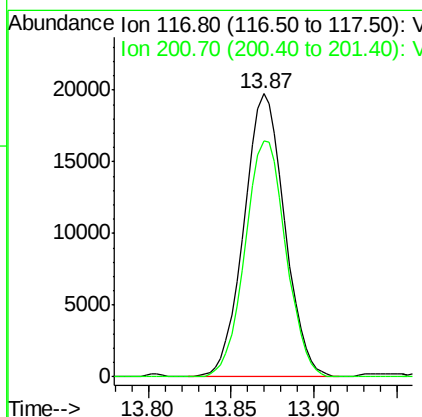
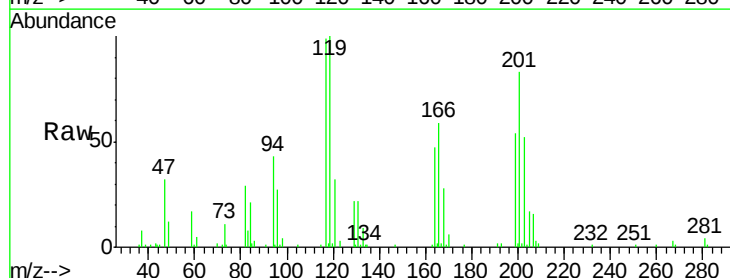
Manual Integrations
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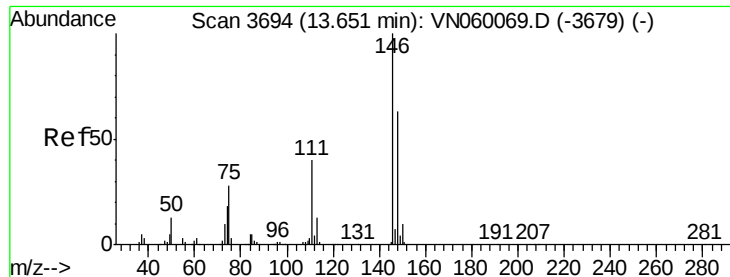
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2/21/2020 9:14:58 AM



#90
Hexachloroethane
Concen: 17.533 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060170.D
Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33756		
201	83.3	41.7	125.1	





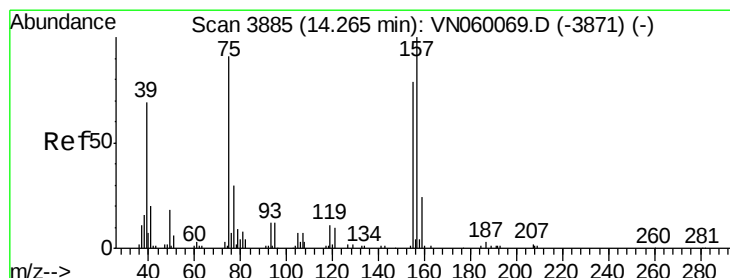
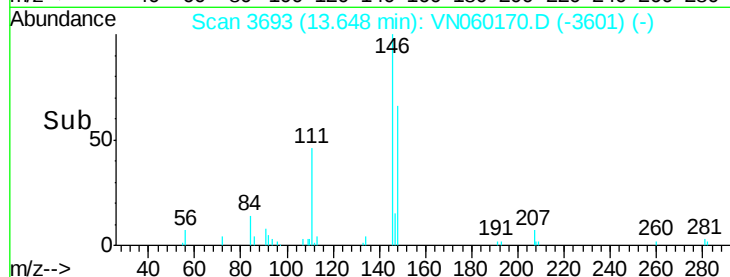
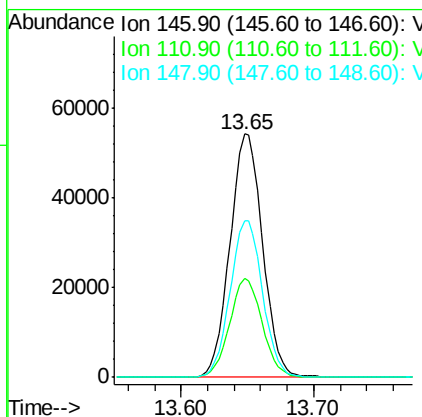
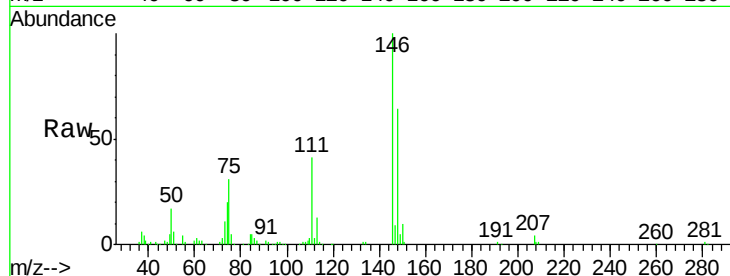
#91
 1,2-Dichlorobenzene
 Concen: 18.469 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060170.D
 Acq: 20 Feb 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.2
148	63.8	31.9	95.5

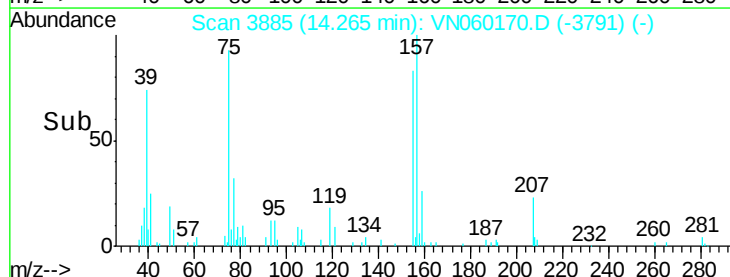
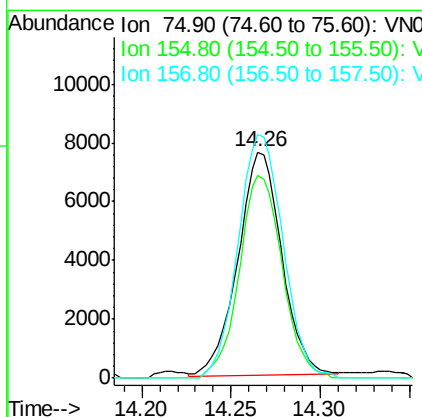
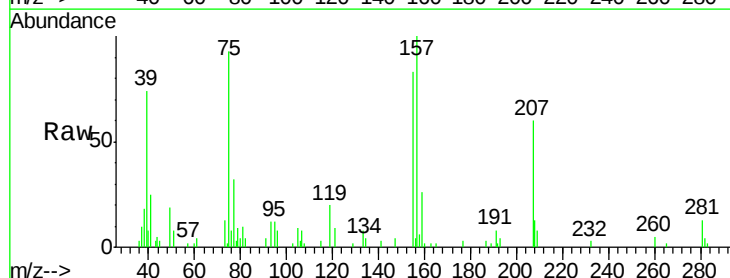
Manual Integrations
 APPROVED

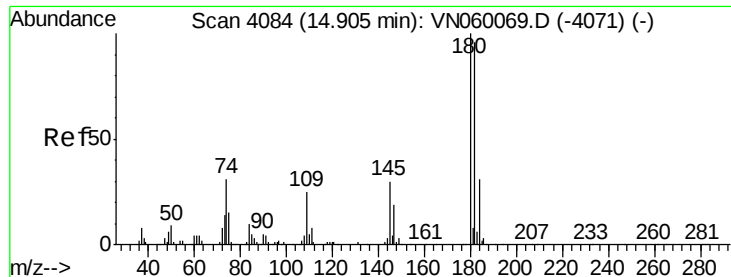
MMDadoda
 2/21/2020 9:14:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.752 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060170.D
 Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	43.0	129.0
157	111.8	54.9	164.5





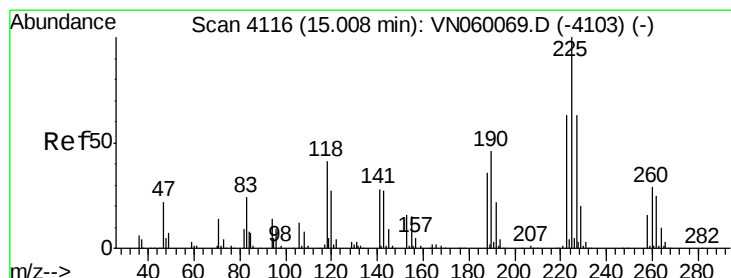
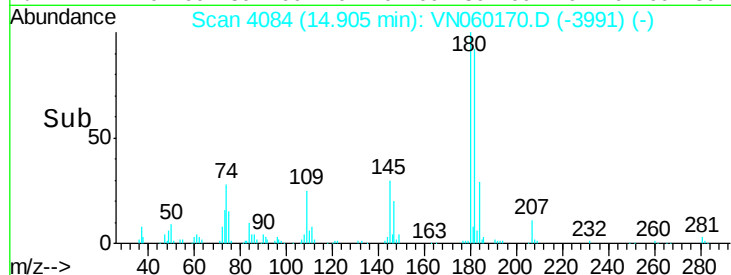
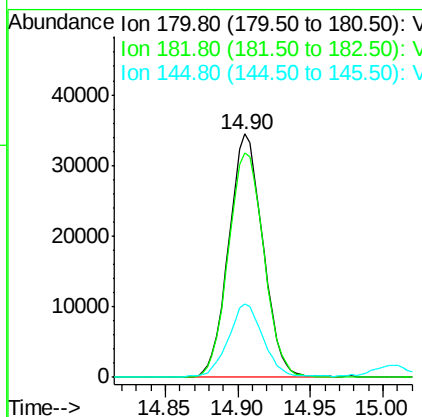
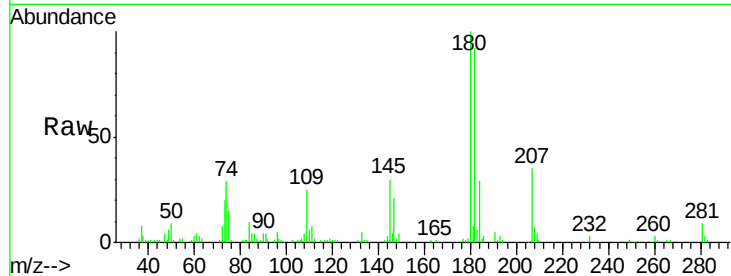
#93
 1,2,4-Trichlorobenzene
 Concen: 19.080 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060170.D
 Acq: 20 Feb 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	56279		
182	95.6	47.9	143.8	
145	30.8	15.2	45.5	

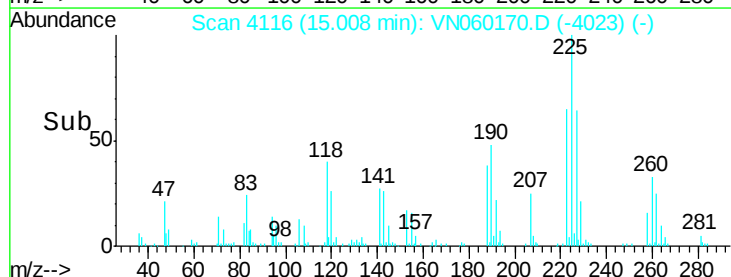
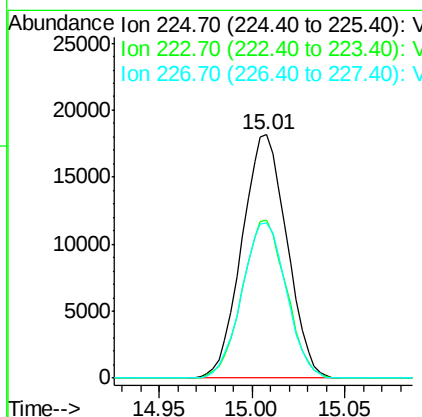
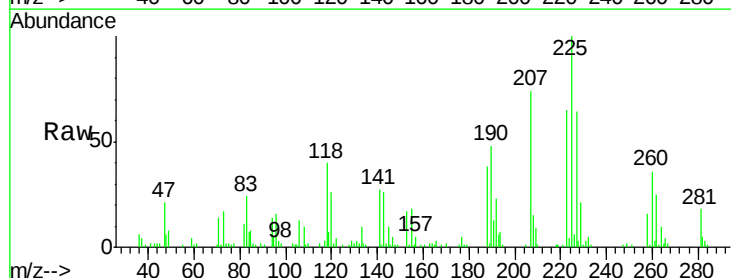
Manual Integrations
 APPROVED

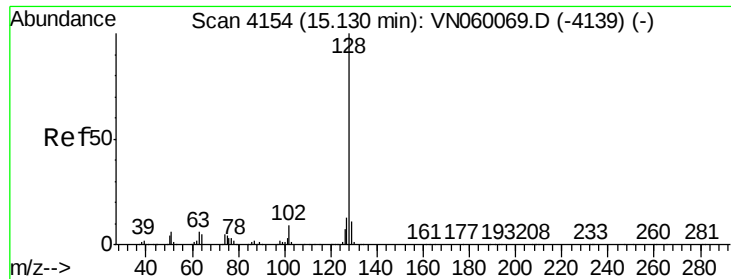
MMDadoda
 2/21/2020 9:14:58 AM



#94
 Hexachlorobutadiene
 Concen: 17.649 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060170.D
 Acq: 20 Feb 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	30477		
223	63.7	31.5	94.5	
227	63.2	31.8	95.4	





#95

Naphthalene

Concen: 21.116 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Instrument :

MSVOA_N

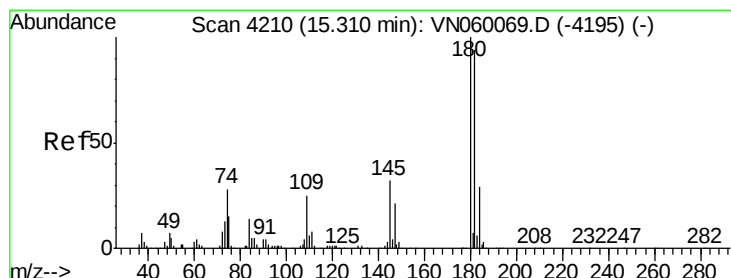
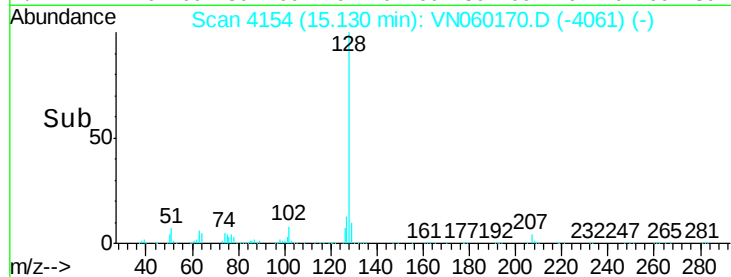
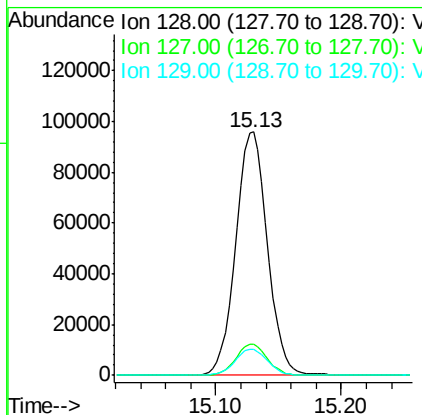
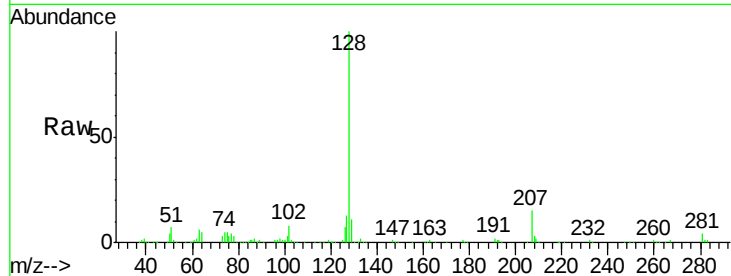
ClientSampleId :

VN0220WBSD01

Tot Ion:	128	Resp:	168248
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	11.4	8.6	13.0

Manual Integrations
APPROVED

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2/21/2020 9:14:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.115 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060170.D

Acq: 20 Feb 2020 14:15

Tgt Ion:	180	Resp:	56148
Ion Ratio	Lower	Upper	
180	100		
182	92.8	47.5	142.5
145	32.5	16.1	48.3

