

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051630.D
 Acq On : 1 Oct 2018 12:01
 Operator : MD\SY
 Sample : VN1001WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 3:03:55 PM

Quant Time: Oct 02 01:20:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	105477	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	567782	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	486350	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	228542	31.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.73%
60) 4-Bromofluorobenzene	12.40	95	221628	29.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.77%
63) Toluene-d8	10.09	98	709448	30.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	181958	19.657	ug/l 100
3) Chloromethane	2.06	50	200812	19.386	ug/l 99
4) Vinyl Chloride	2.19	62	171437	16.871	ug/l 98
5) Bromomethane	2.57	94	97246	18.424	ug/l 98
6) Chloroethane	2.71	64	99034	19.427	ug/l 94
7) Trichlorofluoromethane	3.02	101	226844	18.271	ug/l 99
8) Diethyl Ether	3.41	74	73695	18.898	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	138910	19.793	ug/l 98
10) 1,1-Dichloroethene	3.74	96	123335	19.365	ug/l 97
11) Methyl Iodide	3.95	142	151916	18.530	ug/l 97
12) Methyl Acetate	4.33	43	105623	18.791	ug/l 93
13) Acrolein	3.61	56	51293	82.598	ug/l 94
14) Acrylonitrile	4.99	53	211327	93.880	ug/l 98
15) Acetone	3.82	58	55895	94.704	ug/l 100
16) Carbon Disulfide	4.05	76	371221	18.088	ug/l 99
17) Allyl chloride	4.33	41	197169	17.306	ug/l 99
18) Methylene Chloride	4.55	84	143060	19.538	ug/l 99
19) trans-1,2-Dichloroethene	5.05	96	127248	18.822	ug/l 96
20) Diisopropyl ether	5.96	45	440191	19.476	ug/l 99
21) 1,1-Dichloroethane	5.85	63	257026	19.188	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	139404	18.880	ug/l 99
23) tert-Butyl Alcohol	4.79	59	40818	94.796	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	318319	19.017	ug/l 98
25) Chloroform	7.37	83	250531	19.561	ug/l 99
26) Cyclohexane	7.65	56	211095	18.211	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	184184	19.024	ug/l 99
30) 2-Butanone	6.84	43	243721	92.492	ug/l 100
31) 2,2-Dichloropropane	6.83	77	198556	19.002	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	213641	19.639	ug/l 98
33) Carbon Tetrachloride	7.78	117	192619	19.701	ug/l 99
34) Benzene	8.04	78	562416	19.580	ug/l 100
35) Methacrylonitrile	7.18	41	57420	19.382	ug/l 94
36) 1,2-Dichloroethane	8.13	62	180313	19.694	ug/l 99
37) Trichloroethene	8.84	130	139391	18.901	ug/l 98
38) Methylcyclohexane	9.08	83	200083	17.909	ug/l 99
39) 1,2-Dichloropropane	9.12	63	153018	19.441	ug/l 99
40) Dibromomethane	9.21	93	86937	19.884	ug/l 99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	185994	19.488	ug/l	99
42) Vinyl Acetate	5.90	43	1386989	94.548	ug/l	100
43) Ethyl Acetate	6.93	43	102431	18.365	ug/l	99
44) Isopropyl Acetate	8.17	43	200766m	18.384	ug/l	
45) 1,4-Dioxane	9.20	88	23997	406.199	ug/l	98
46) Methyl methacrylate	9.20	41	93279	18.361	ug/l	97
47) n-amyl Acetate	12.07	43	142479	17.437	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	171020	17.954	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	210757	18.925	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	121406	19.649	ug/l	98
51) Ethyl methacrylate	10.43	69	134117	17.890	ug/l	98
52) 1,3-Dichloropropane	10.71	76	204309	19.285	ug/l	100
53) Dibromochloromethane	10.90	129	134643	19.133	ug/l	99
54) 1,2-Dibromoethane	11.01	107	112795	19.025	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	319769	86.297	ug/l	99
56) Bromoform	12.13	173	89161	19.094	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	554131	100.353	ug/l	99
59) 2-Hexanone	10.75	43	342566	94.302	ug/l	99
61) Tetrachloroethene	10.63	164	132554	19.251	ug/l	98
62) Toluene	10.16	91	582456	19.531	ug/l	99
64) Chlorobenzene	11.43	112	343367	19.043	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	137761	20.009	ug/l	97
66) Ethyl Benzene	11.51	91	559740	18.339	ug/l	100
67) m/p-Xylenes	11.62	106	448547	38.132	ug/l	100
68) o-Xylene	11.95	106	212250	18.902	ug/l	95
69) Styrene	11.96	104	327818	18.600	ug/l	100
70) Isopropylbenzene	12.25	105	563980	18.829	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	145352	20.058	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	118767m	19.169	ug/l	
73) Bromobenzene	12.53	156	141685	19.008	ug/l	98
74) n-propylbenzene	12.59	91	641621	18.401	ug/l	100
75) 2-Chlorotoluene	12.67	91	397106	19.072	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	478938	19.136	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	36097	18.396	ug/l	95
78) 4-Chlorotoluene	12.77	91	379400	18.446	ug/l	100
79) tert-butylbenzene	12.99	119	409904	18.904	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	474600	18.985	ug/l	100
81) sec-Butylbenzene	13.17	105	558036	18.631	ug/l	99
82) p-Isopropyltoluene	13.29	119	474487	18.535	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	238808	18.386	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	222291	18.207	ug/l	100
85) n-Butylbenzene	13.62	91	353953	16.845	ug/l	100
86) Hexachloroethane	13.87	117	87893	17.166	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	242310	19.071	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20196	19.121	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	88707	14.916	ug/l	98
90) Hexachlorobutadiene	15.01	225	88777	18.311	ug/l	96
91) Naphthalene	15.13	128	152041	16.973	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	97301	16.268	ug/l	97

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QLast Update : Sat Sep 29 01:07:29 2018
Response via : Initial Calibration

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

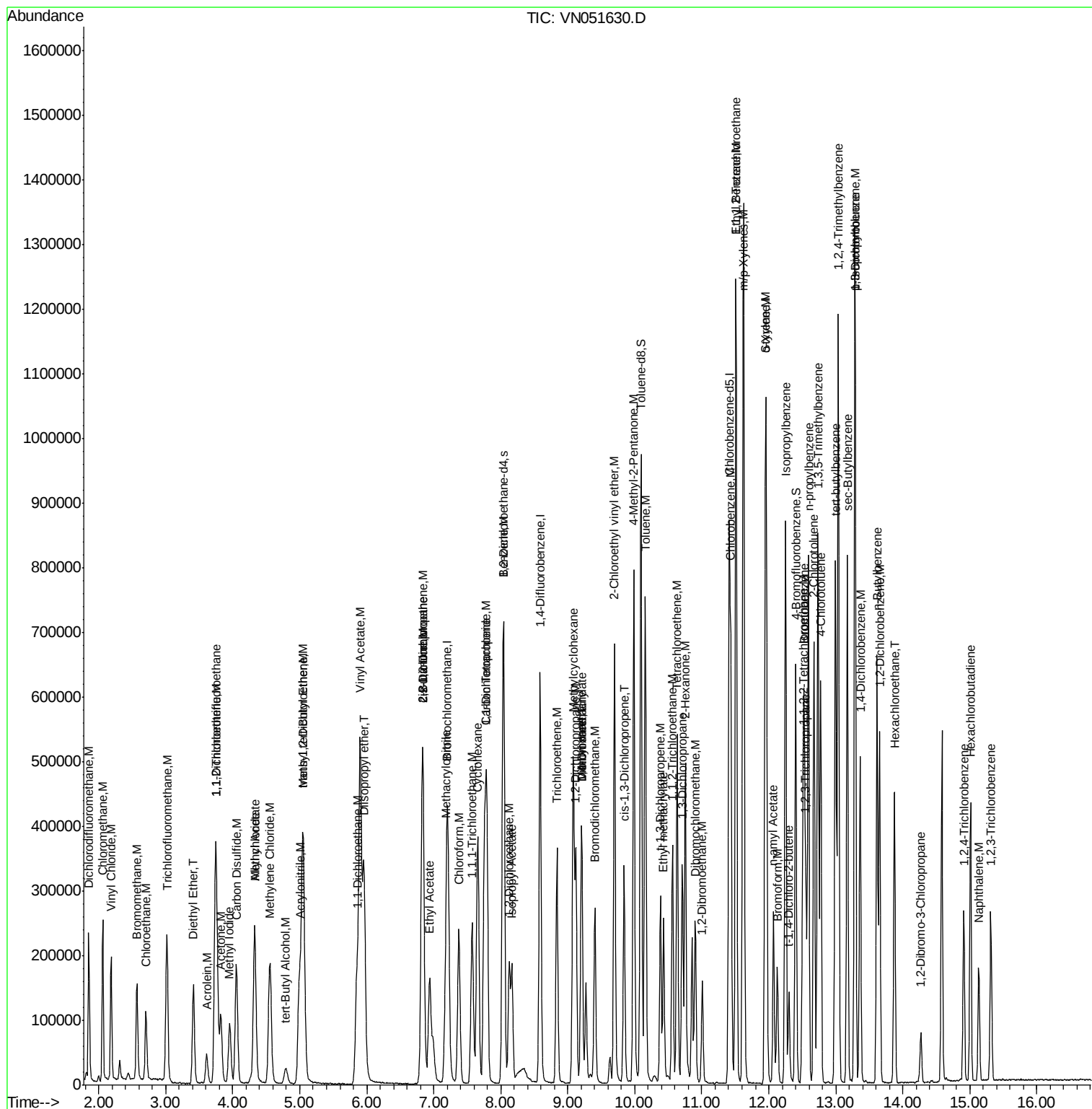
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
Data File : VN051630.D
Acq On : 1 Oct 2018 12:01
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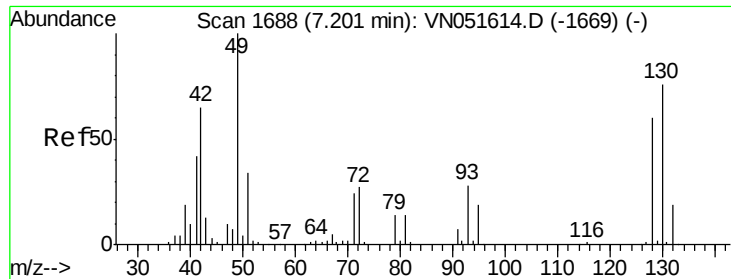
Instrument :
MSVOA_N
Client Sample Id :
VN1001WBSD01

Manual Integrations
APPROVED

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10/2/2018 3:03:55 PM

Quant Time: Oct 02 01:20:19 2018
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

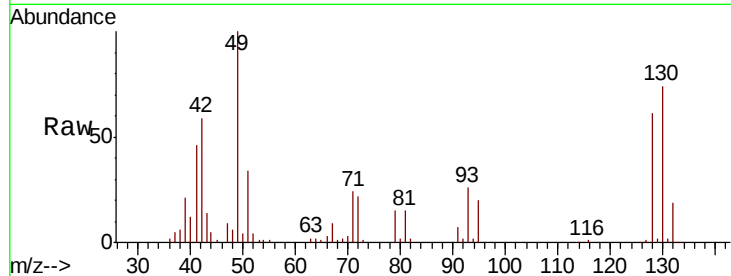
ClientSampleId :

VN1001WBSD01

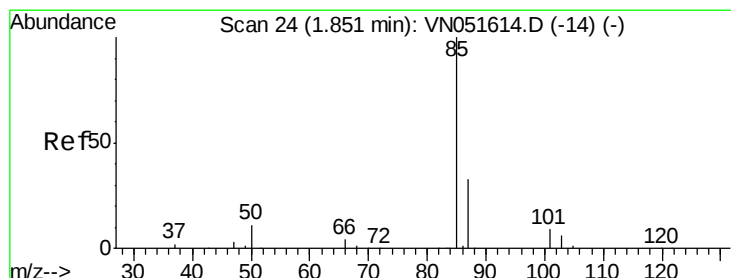
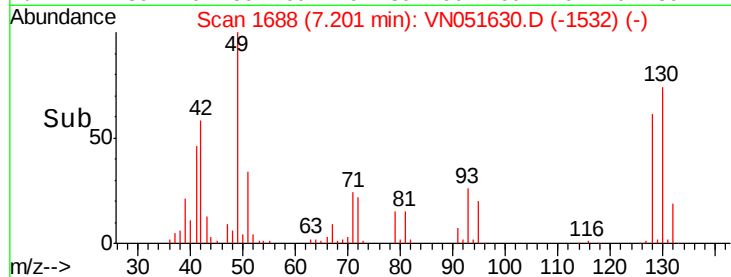
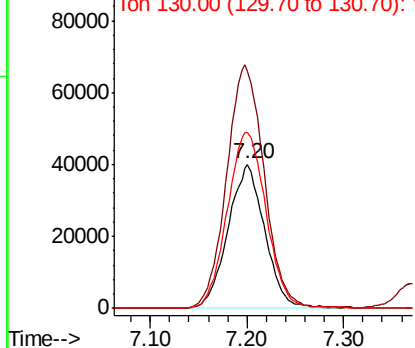
Tot Ion:	128	Resp:	105477
Ion	Ratio	Lower	Upper
128	100		
49	172.3	0.0	426.8
130	129.6	0.0	326.3

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.657 ug/l

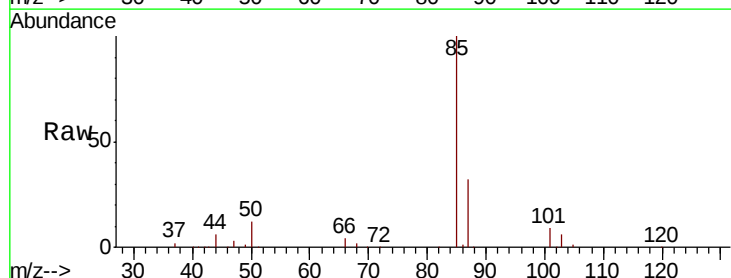
RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

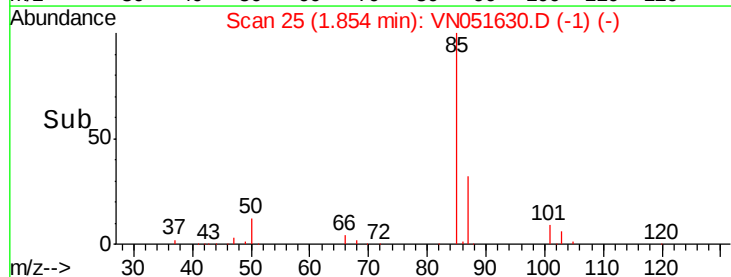
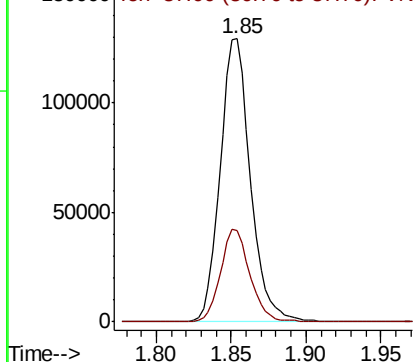
Lab File: VN051630.D

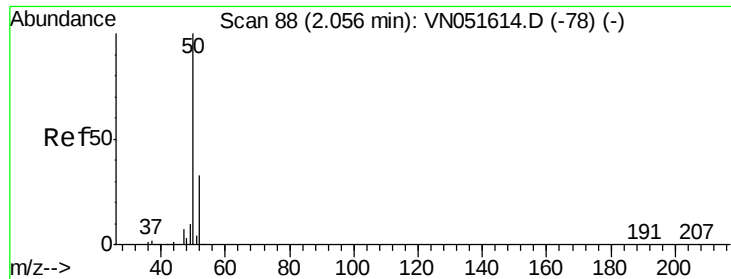
Acq: 1 Oct 2018 12:01

Tgt Ion:	85	Resp:	181958
Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.3	48.8



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





#3

Chloromethane

Concen: 19.386 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

Tot Ion: 50 Resp: 200812

Ion Ratio Lower Upper

50 100

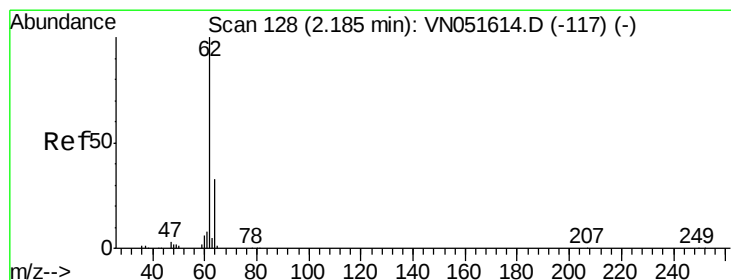
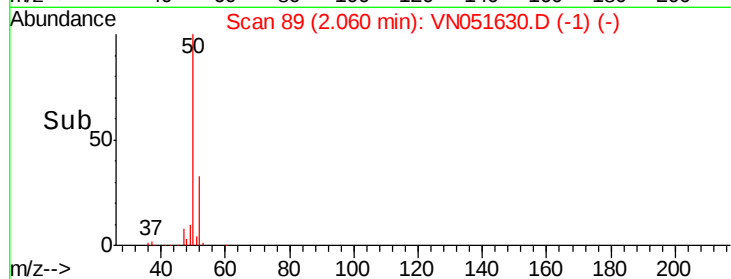
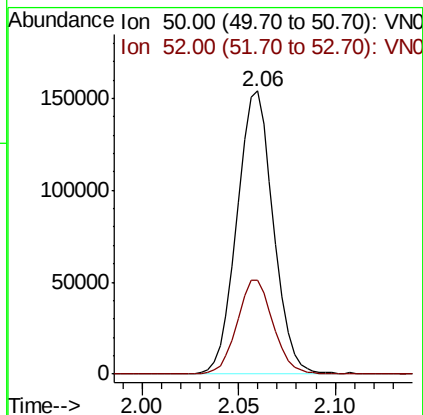
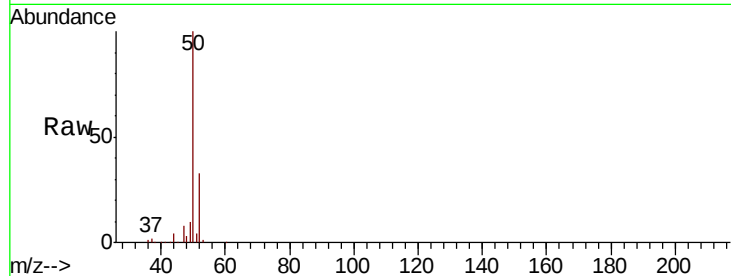
52 33.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.871 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051630.D

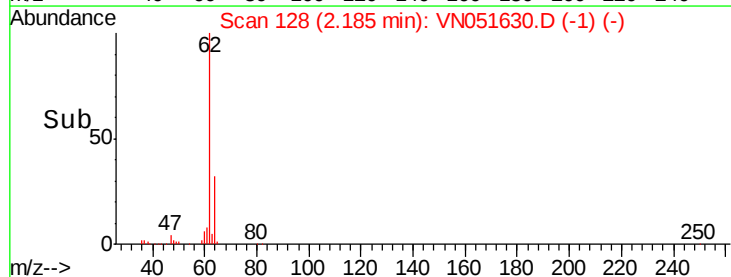
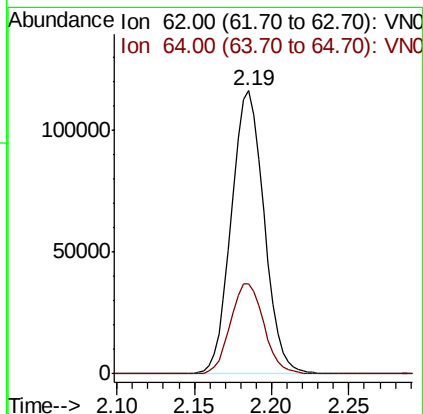
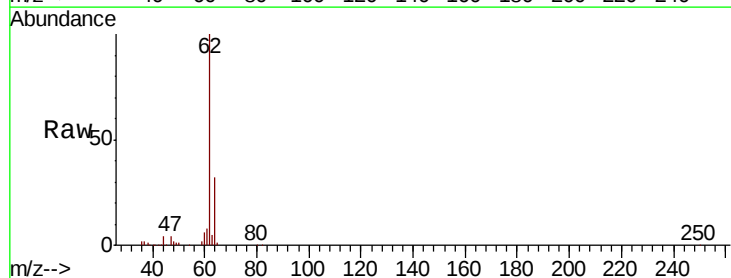
Acq: 1 Oct 2018 12:01

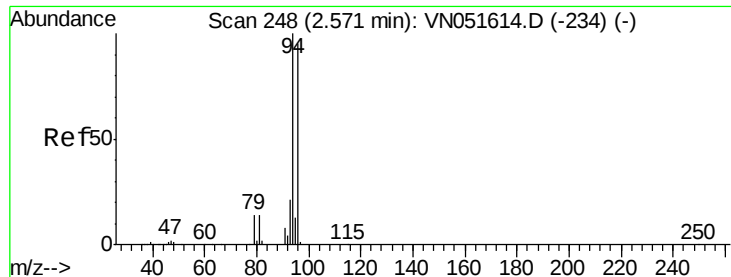
Tgt Ion: 62 Resp: 171437

Ion Ratio Lower Upper

62 100

64 31.8 26.3 39.5





#5

Bromomethane

Concen: 18.424 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

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VN1001WBSD01

Tot Ion: 94 Resp: 97246

Ion Ratio Lower Upper

94 100

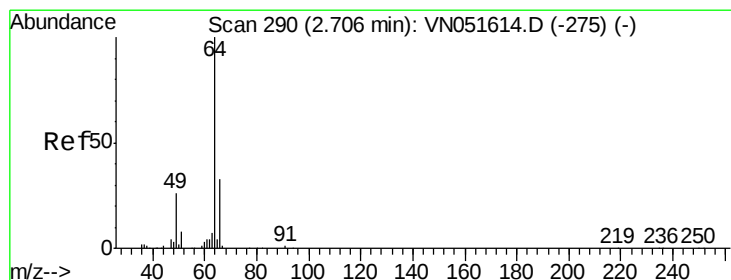
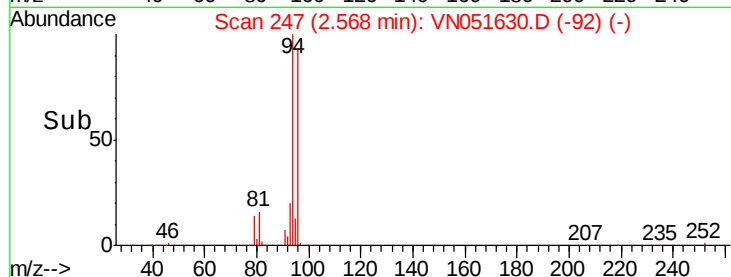
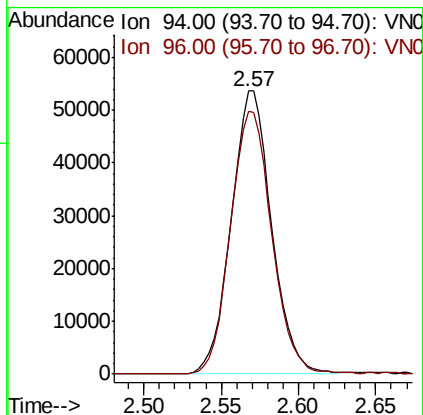
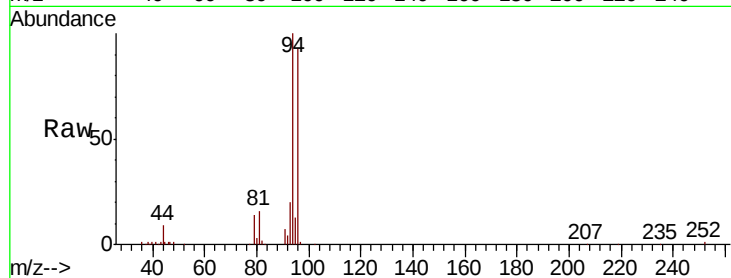
96 92.5 75.8 113.6

Manual Integrations

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#6

Chloroethane

Concen: 19.427 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051630.D

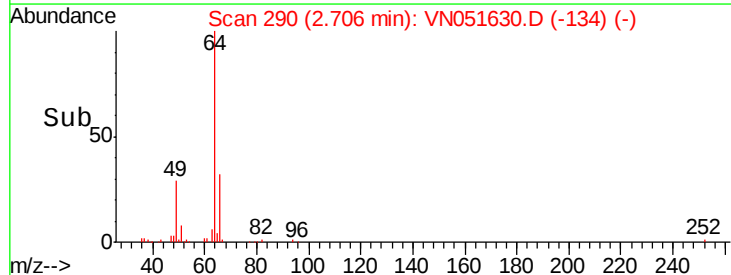
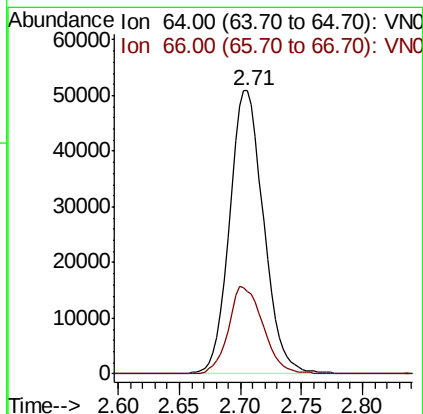
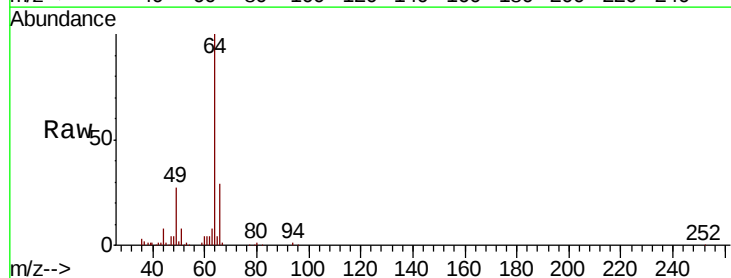
Acq: 1 Oct 2018 12:01

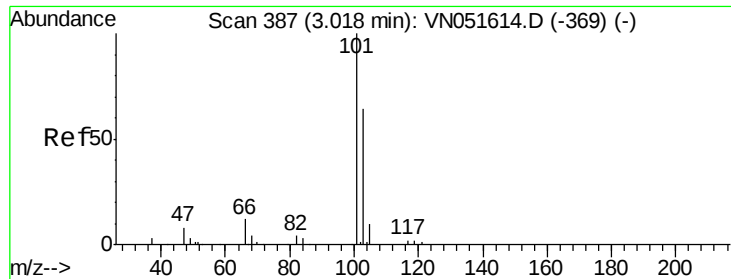
Tgt Ion: 64 Resp: 99034

Ion Ratio Lower Upper

64 100

66 29.0 26.1 39.1





#7

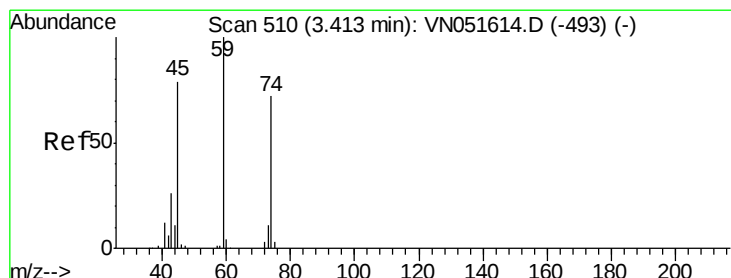
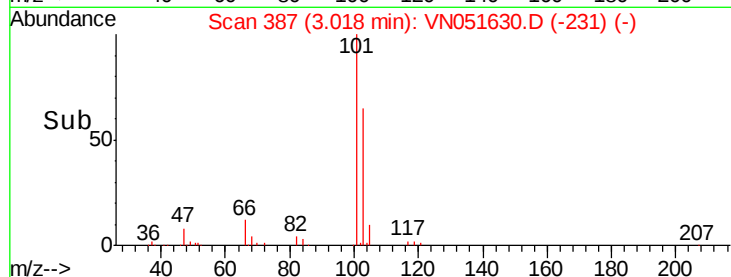
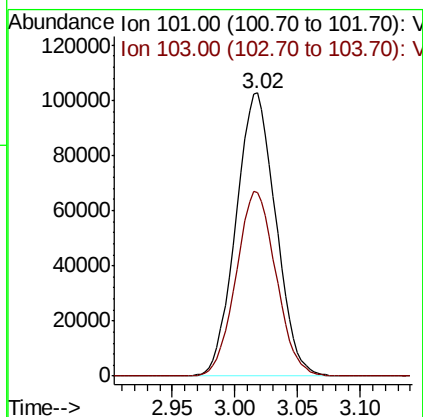
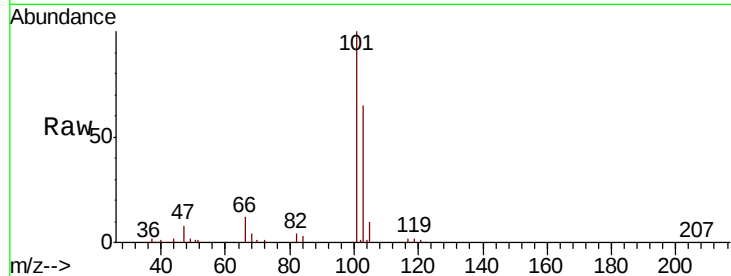
Trichlorofluoromethane
 Concen: 18.271 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Instrument :
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 ClientSampleId :
 VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.2	76.8

Manual Integrations
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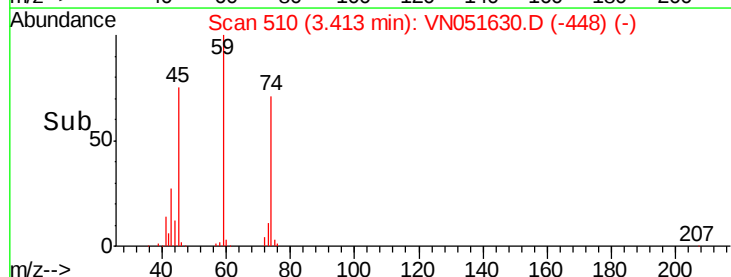
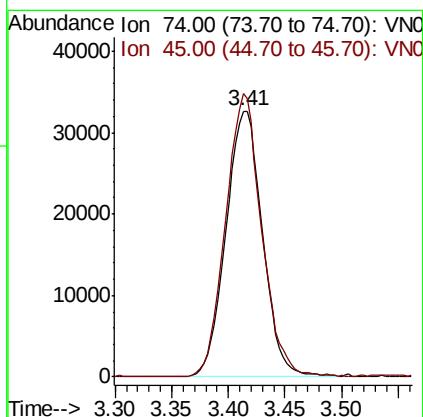
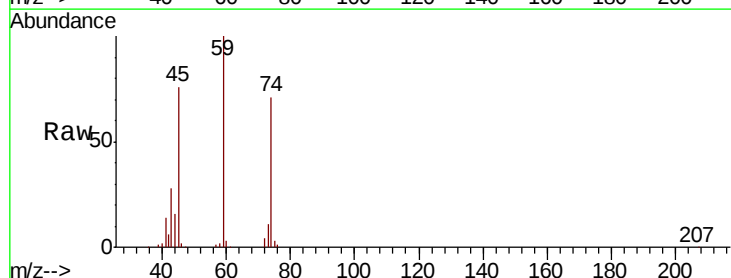
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 10/2/2018 3:03:55 PM

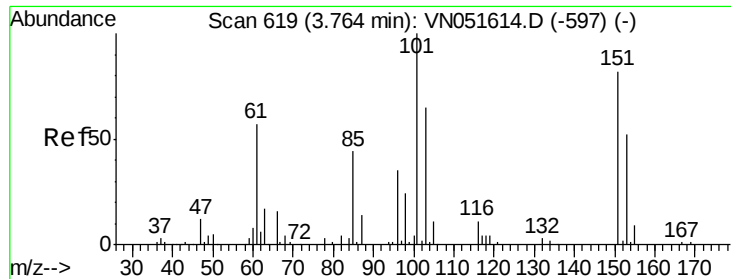


#8

Diethyl Ether
 Concen: 18.898 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.8	21.3	191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.793 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

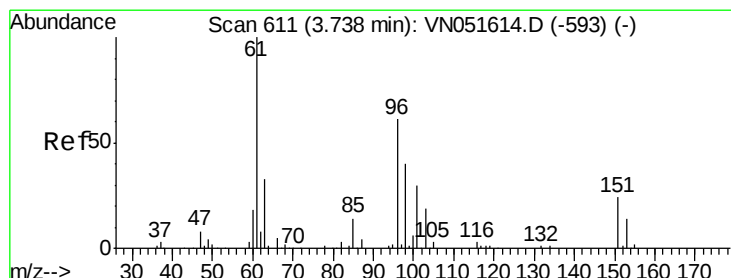
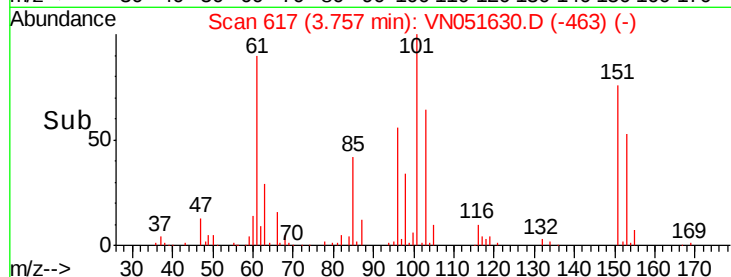
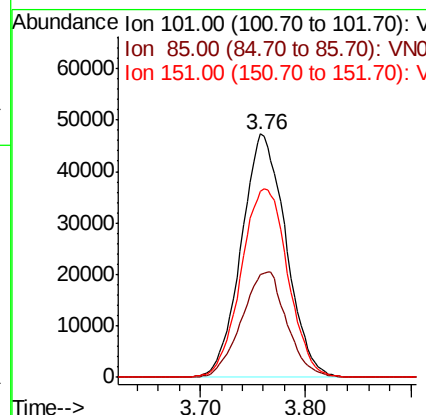
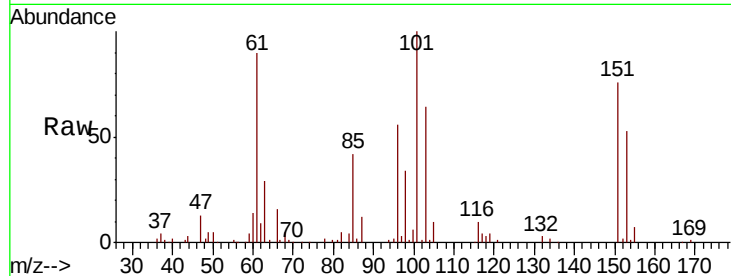
ClientSampleId :

VN1001WBSD01

Tot Ion:	101	Resp:	138910
Ion Ratio	Lower	Upper	
101	100		
85	43.9	0.0	89.4
151	81.2	0.0	167.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.365 ug/l

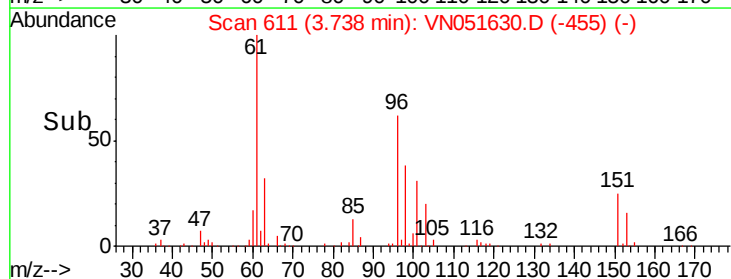
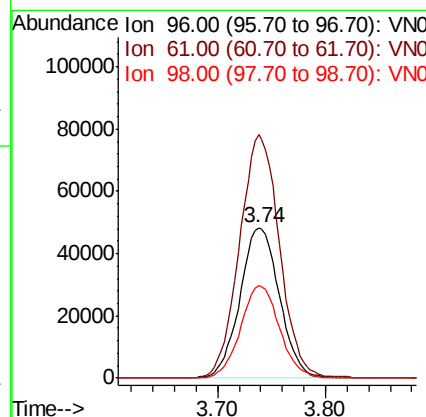
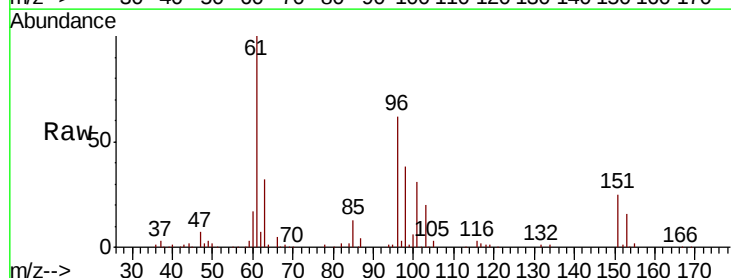
RT: 3.74 min Scan# 611

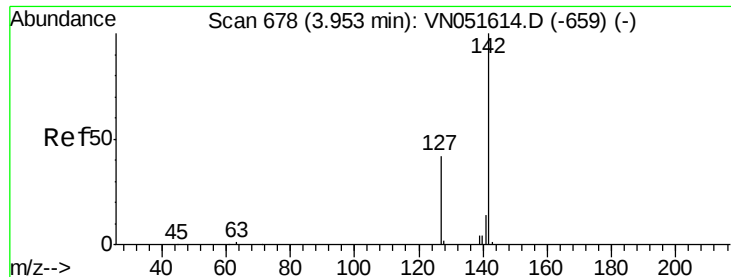
Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Tgt Ion:	96	Resp:	123335
Ion Ratio	Lower	Upper	
96	100		
61	161.8	131.0	196.4
98	61.4	52.7	79.1





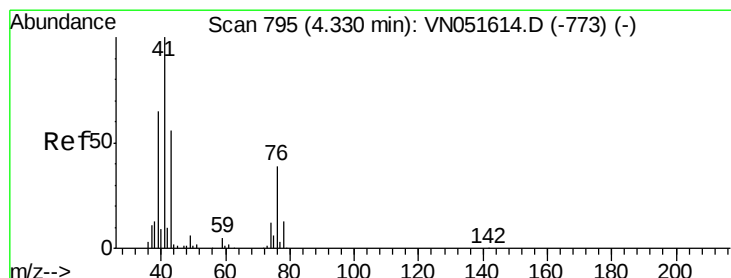
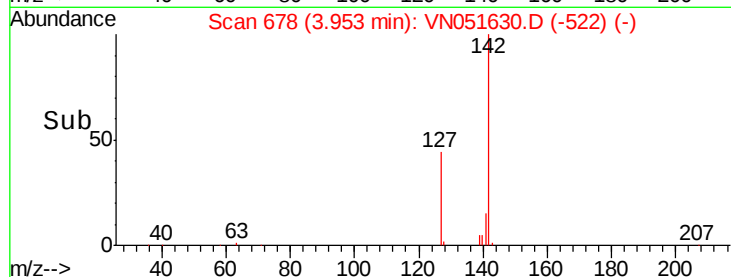
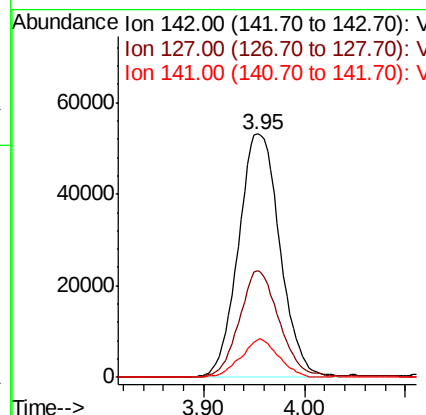
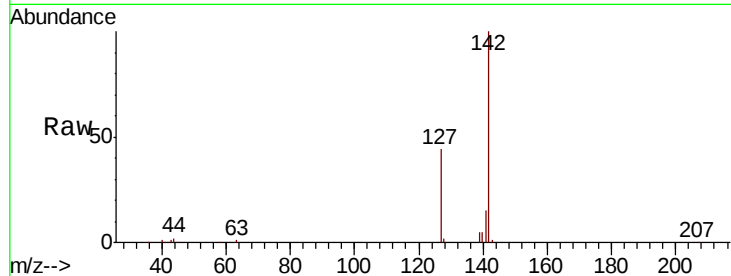
#11
Methyl Iodide
Concen: 18.530 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.7	21.1	63.1
141	15.5	7.1	21.4

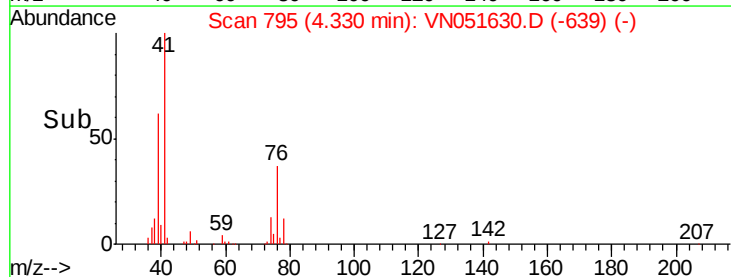
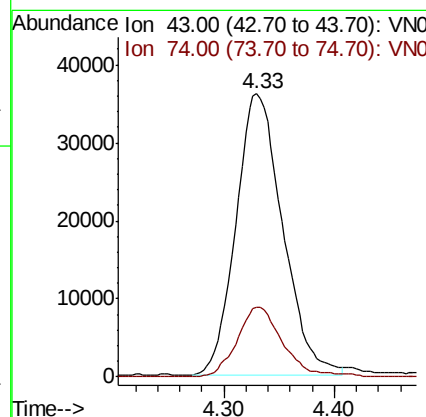
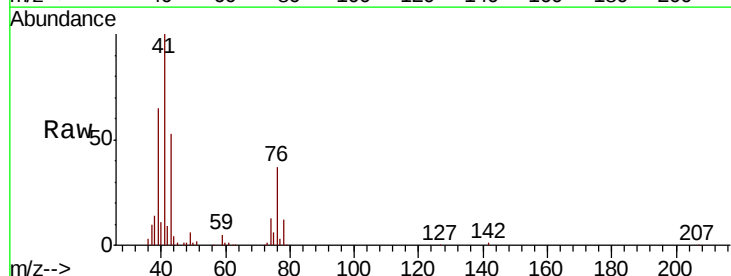
Manual Integrations
APPROVED

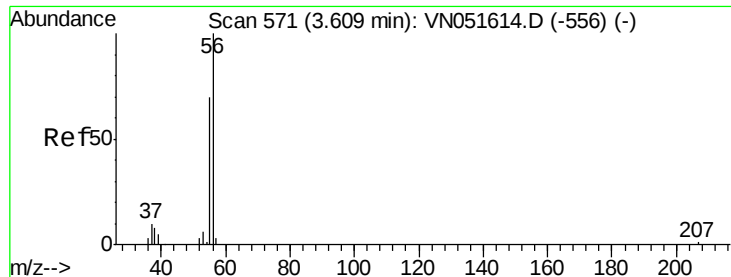
MMDadoda
10/2/2018 3:03:55 PM



#12
Methyl Acetate
Concen: 18.791 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	17.0	25.4





#13

Acrolein

Concen: 82.598 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

Tot Ion: 56 Resp: 51293

Ion Ratio Lower Upper

56 100

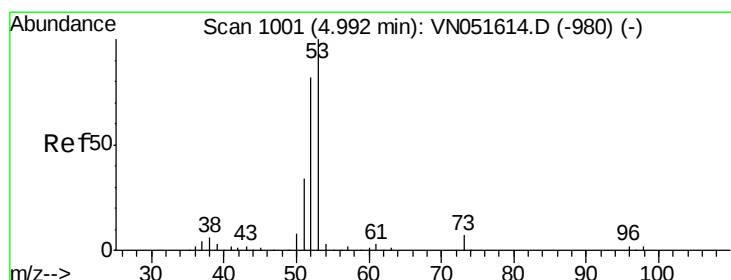
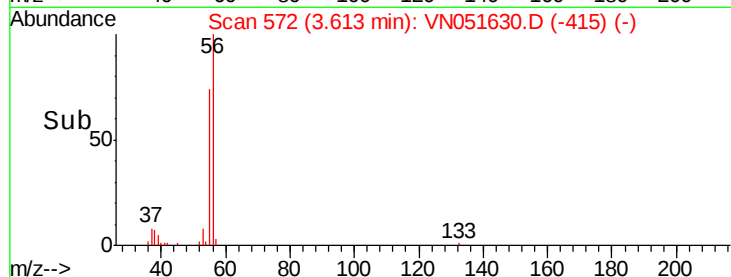
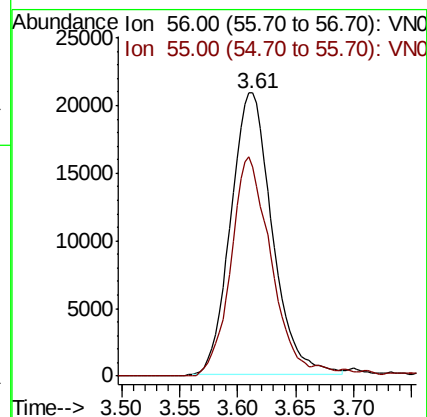
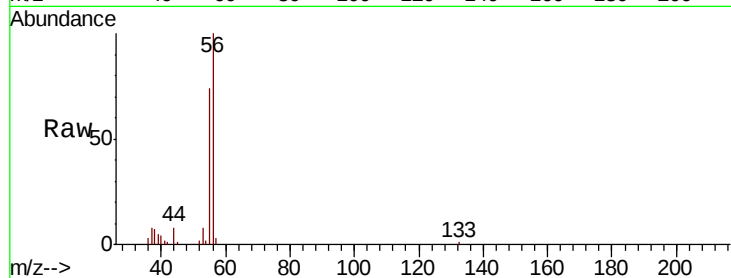
55 74.7 55.8 83.8

Manual Integrations

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#14

Acrylonitrile

Concen: 93.880 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

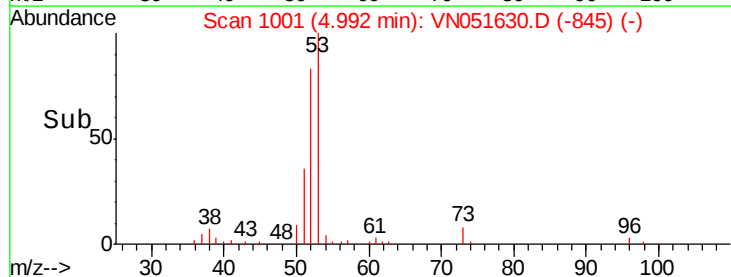
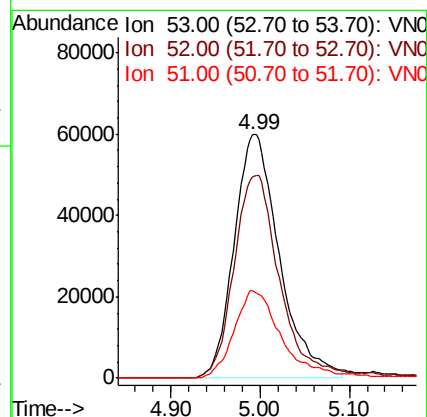
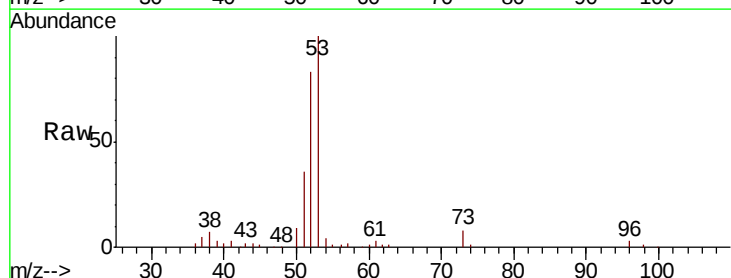
Tgt Ion: 53 Resp: 211327

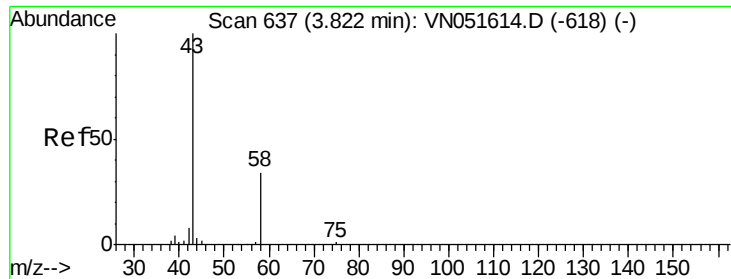
Ion Ratio Lower Upper

53 100

52 83.4 41.3 123.7

51 37.0 17.1 51.2





#15

Acetone

Concen: 94.704 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VN1001WBSD01

Tot Ion: 58 Resp: 55895

Ion Ratio Lower Upper

58 100

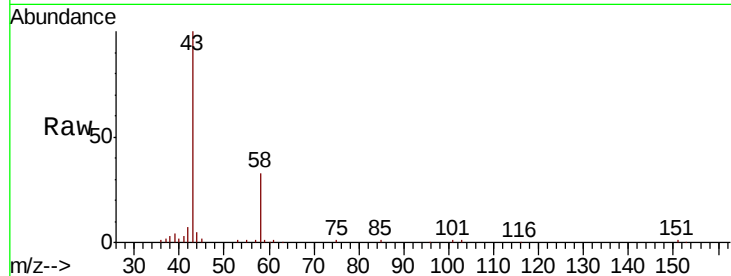
43 297.9 238.0 357.0

Manual Integrations

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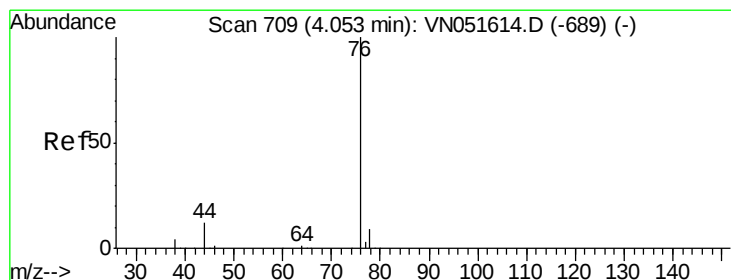
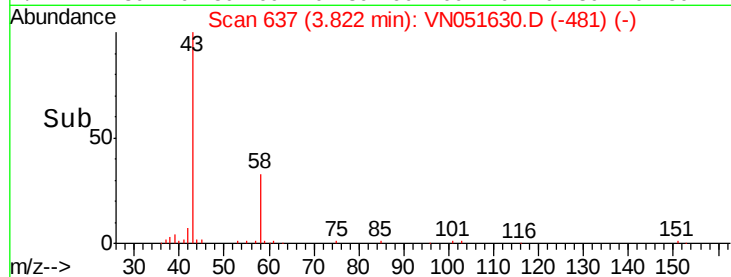
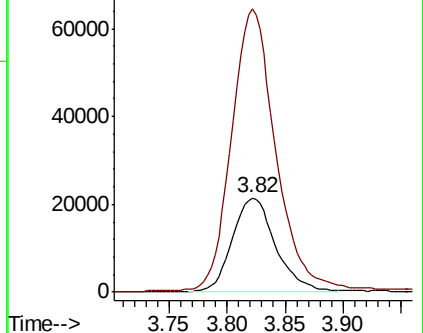
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.088 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051630.D

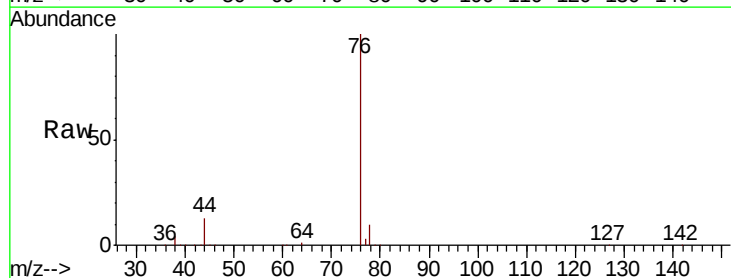
Acq: 1 Oct 2018 12:01

Tgt Ion: 76 Resp: 371221

Ion Ratio Lower Upper

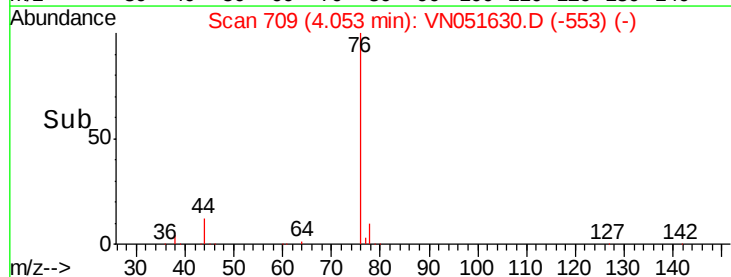
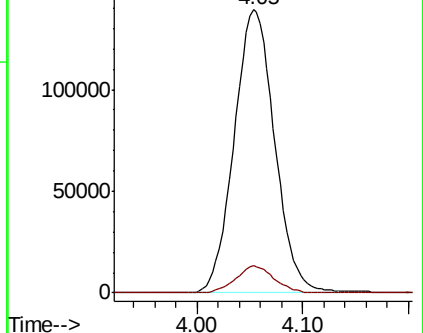
76 100

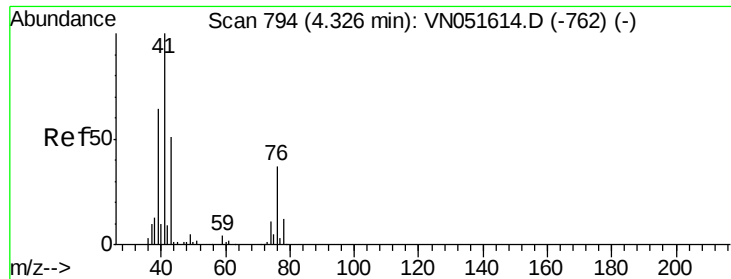
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





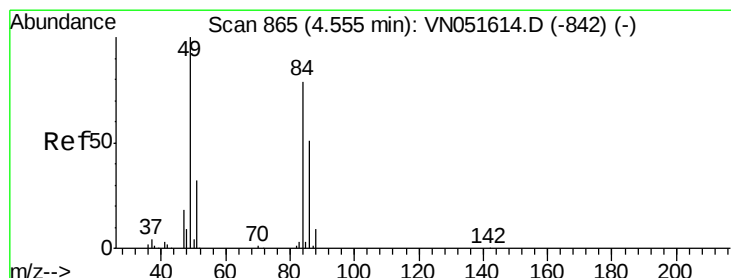
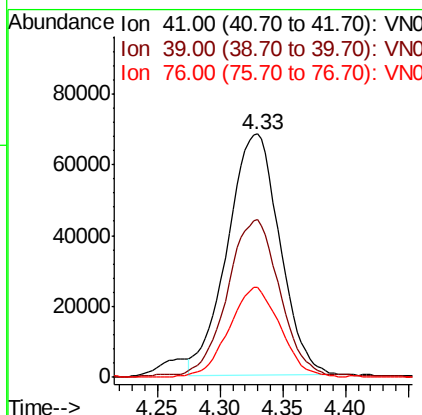
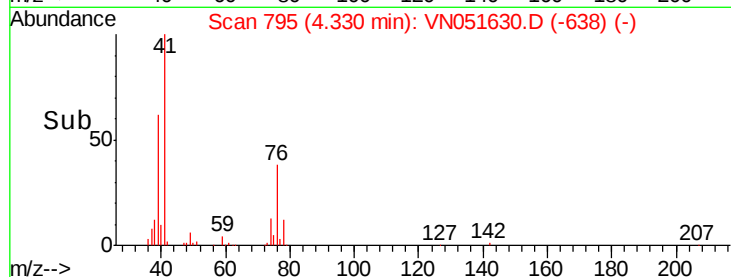
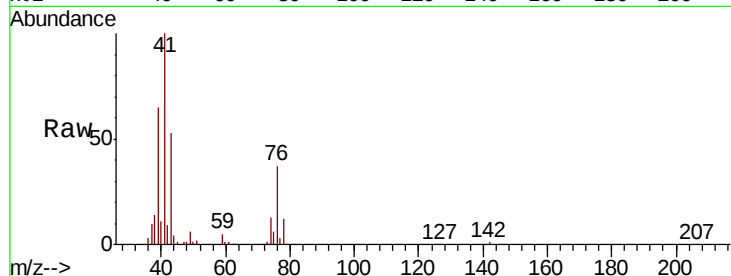
#17
Allvl chloride
Concen: 17.306 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.6	31.9	95.9
76	36.9	18.6	56.0

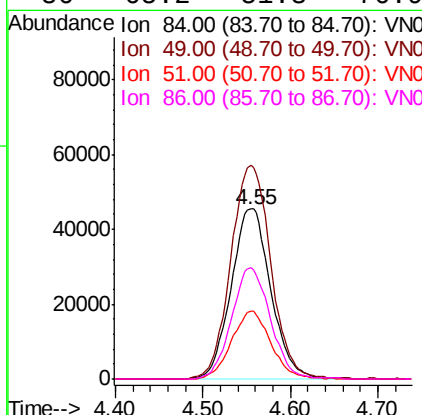
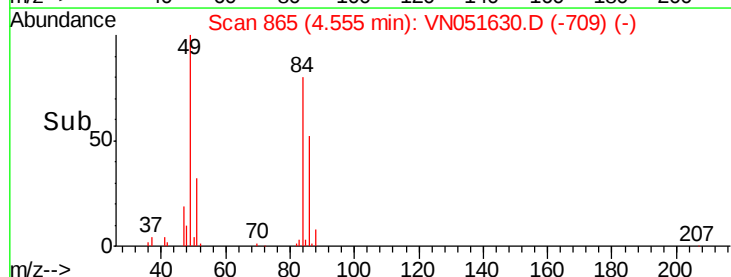
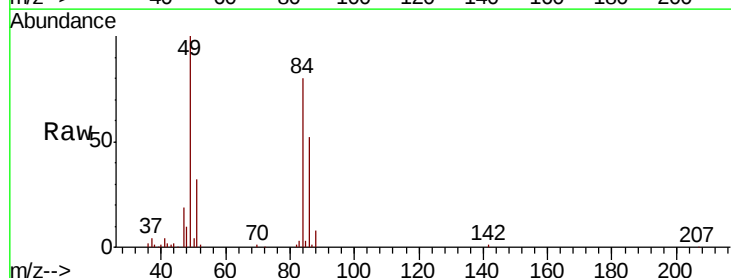
Manual Integrations
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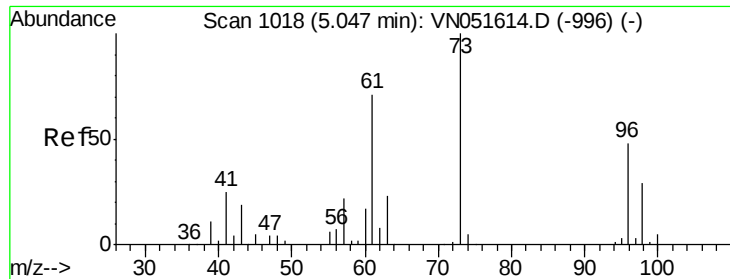
MMDadoda
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#18
Methylene Chloride
Concen: 19.538 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.3	100.9	151.3
51	40.0	32.5	48.7
86	65.2	51.3	76.9





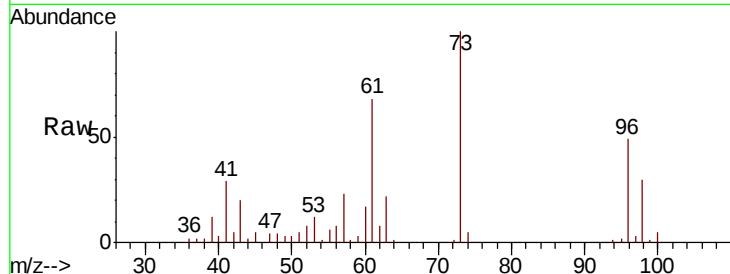
#19
trans-1,2-Dichloroethene
Concen: 18.822 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

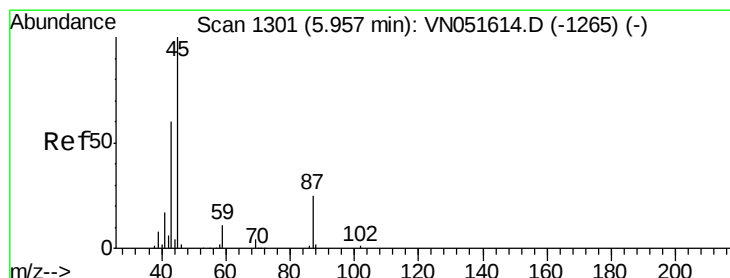
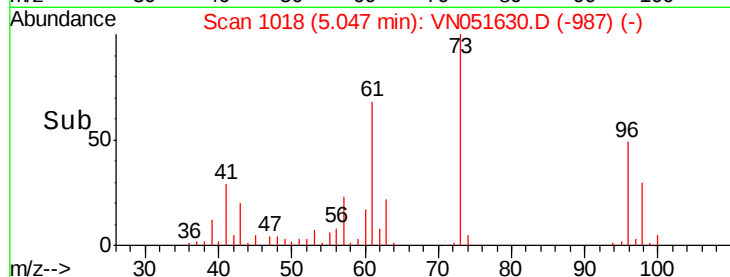
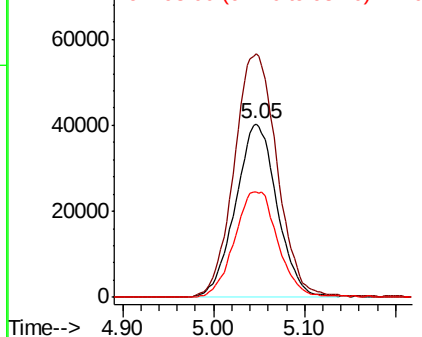
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.5	118.0	177.0
98	60.9	49.0	73.4

Manual Integrations
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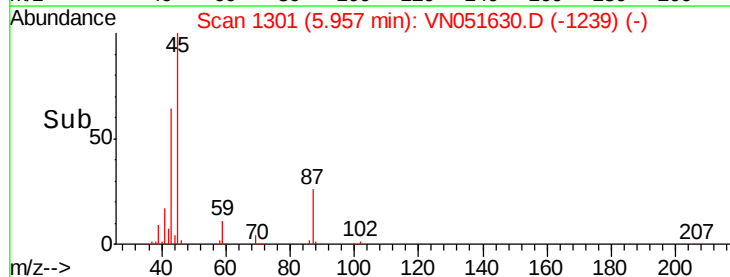
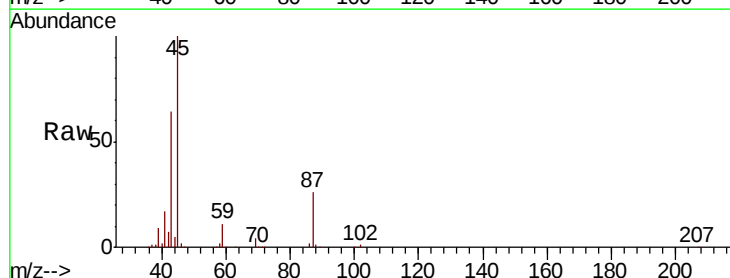
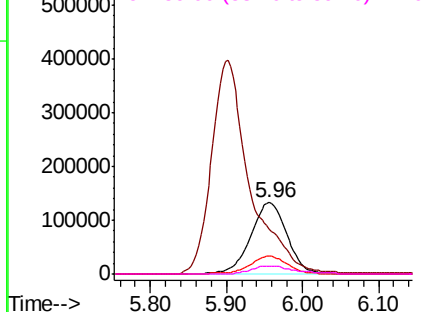
Abundance Ion 96.00 (95.70 to 96.70): VN051614.D (-996) (-)

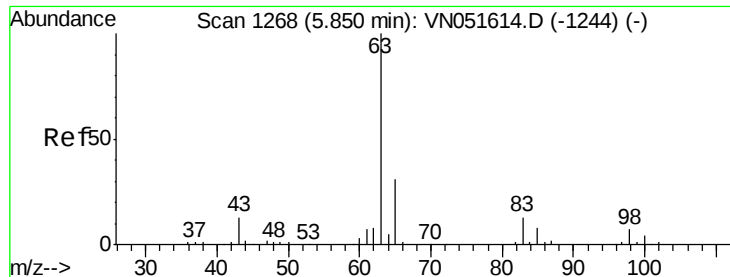


#20
Diisopropyl ether
Concen: 19.476 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.1	48.3	72.5
87	25.7	20.8	31.2
59	11.0	8.8	13.2

Abundance Ion 45.00 (44.70 to 45.70): VN051614.D (-1265) (-)





#21

1,1-Dichloroethane

Concen: 19.188 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

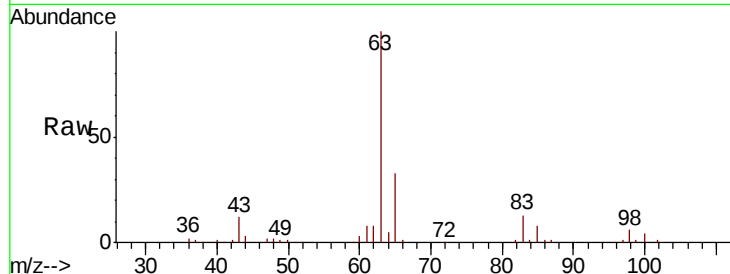
ClientSampleId :

VN1001WBSD01

Tot Ion	63	Resp	257026
Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.3	9.9
100	4.1	2.0	5.8

Manual Integrations
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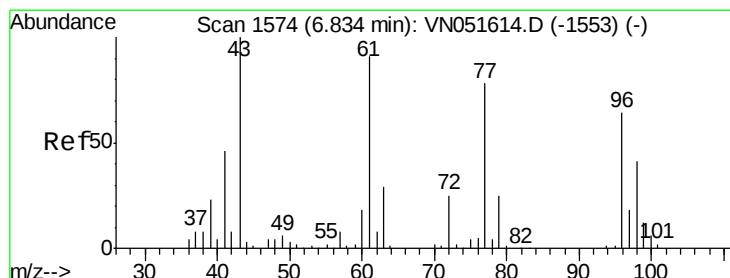
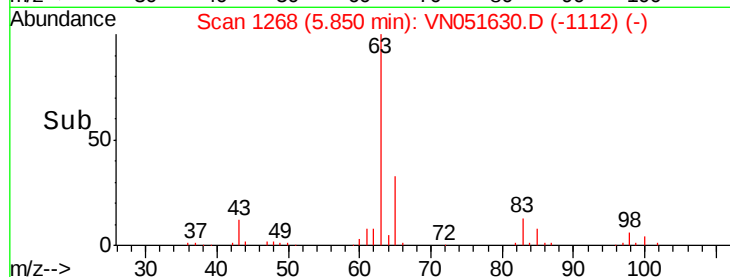
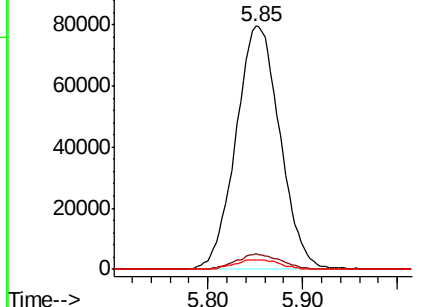
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Abundance Ion 63.00 (62.70 to 63.70): VN051614.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN051614.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN051614.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 18.880 ug/l

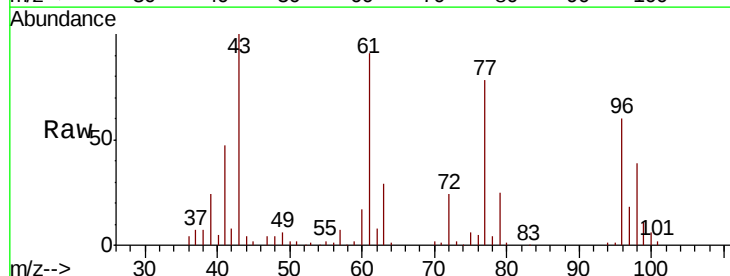
RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

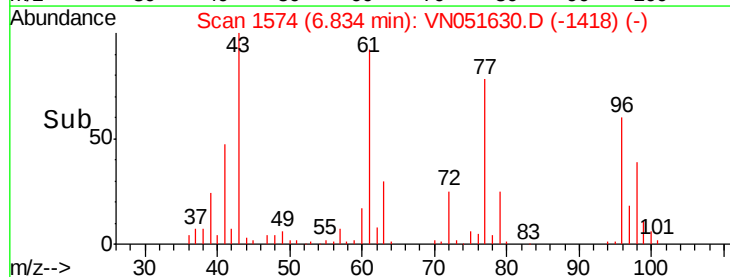
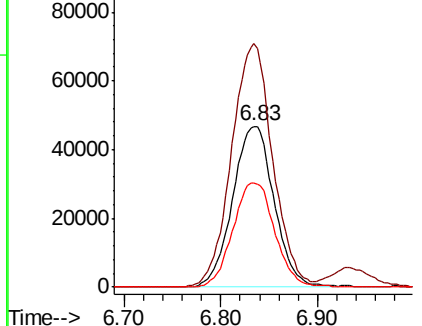
Tgt Ion	96	Resp	139404
Ion	Ratio	Lower	Upper
96	100		
61	150.1	120.4	180.6
98	65.2	51.4	77.0

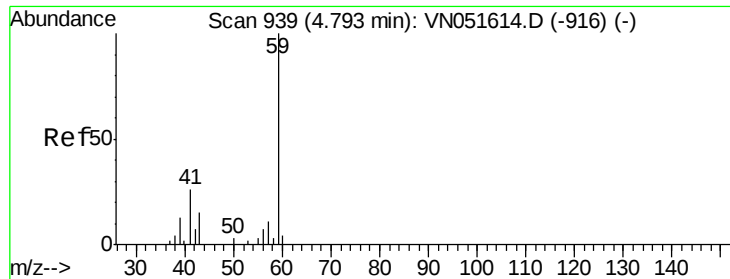


Abundance Ion 96.00 (95.70 to 96.70): VN051614.D (-1553) (-)

Ion 61.00 (60.70 to 61.70): VN051614.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN051614.D (-1553) (-)





#23

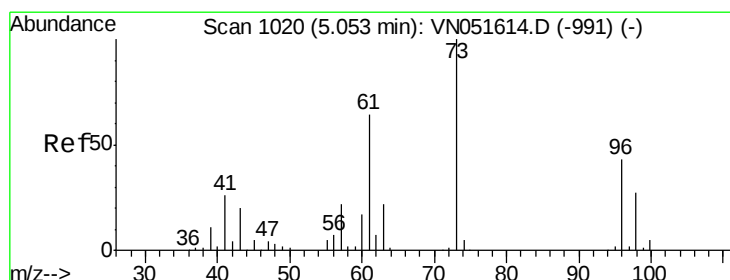
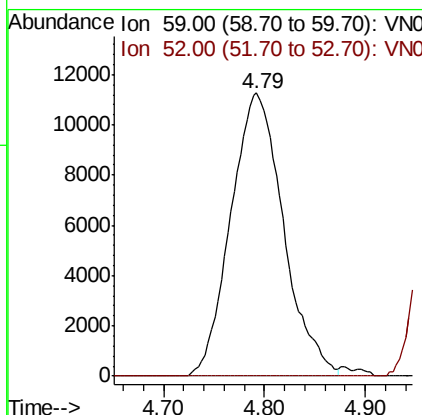
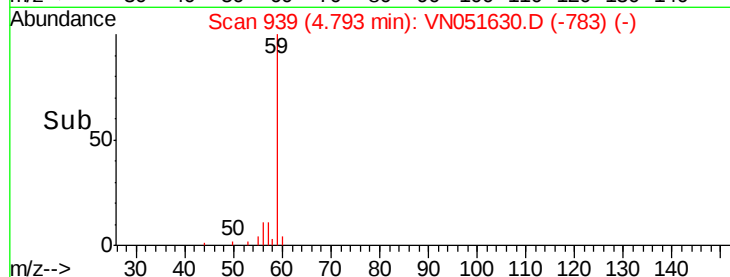
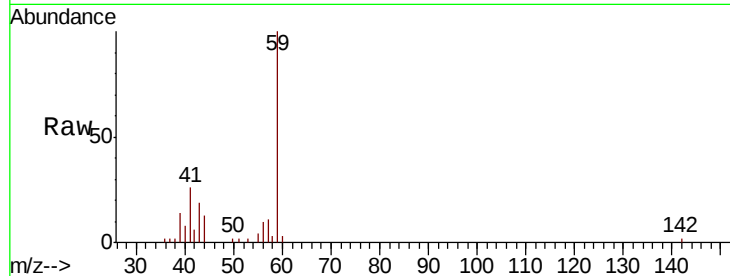
tert-Butyl Alcohol
Concen: 94.796 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

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

Manual Integrations
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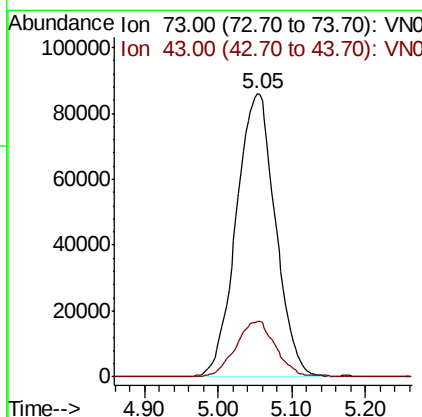
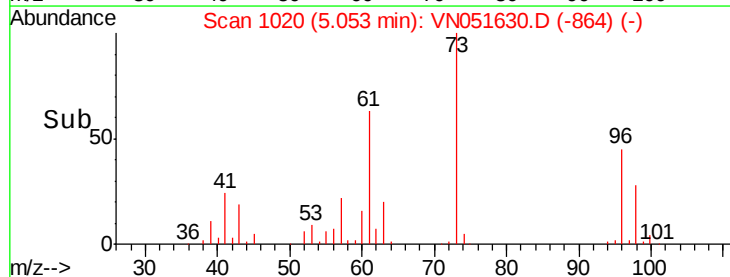
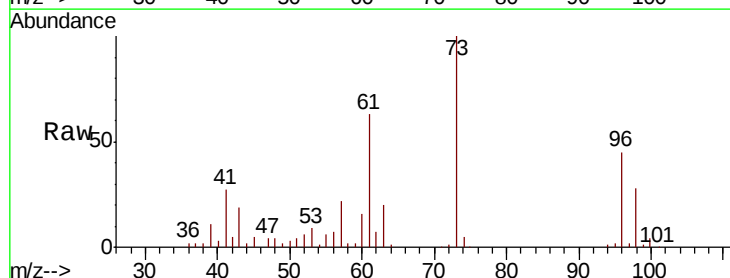
MMDadoda
10/2/2018 3:03:55 PM

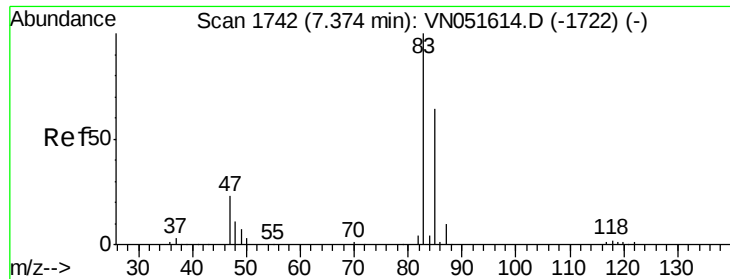


#24

Methyl tert-Butyl Ether
Concen: 19.017 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	19.2	16.1	24.1





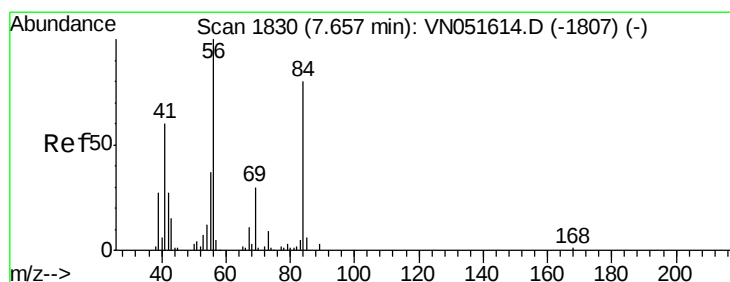
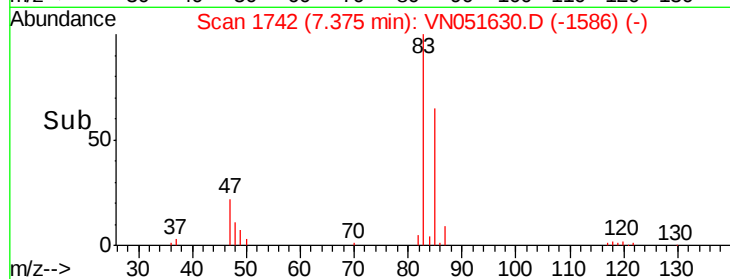
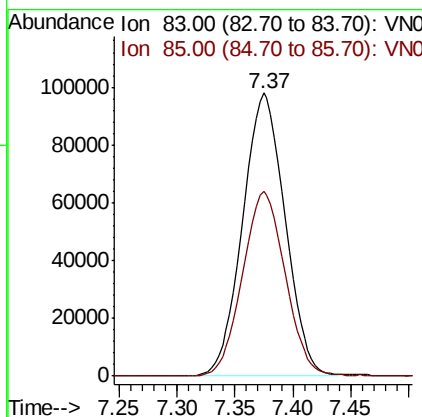
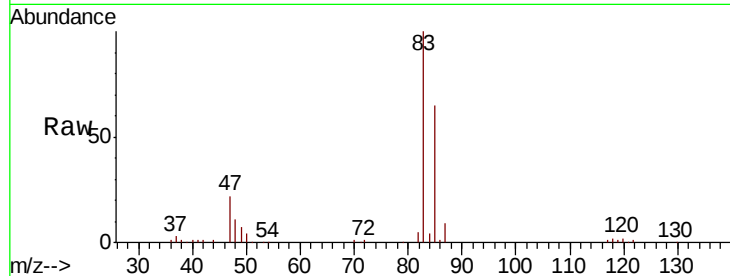
#25
Chloroform
Concen: 19.561 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	83	Resp	250531
Ion Ratio	100	Lower	Upper
85	65.2	51.4	77.0

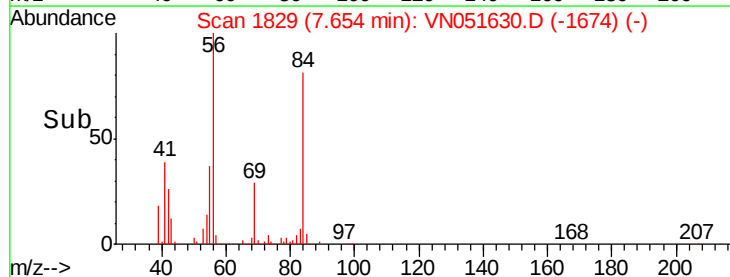
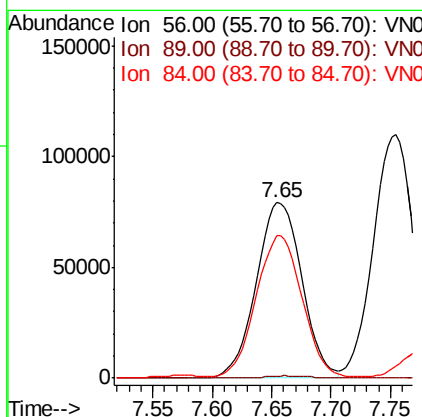
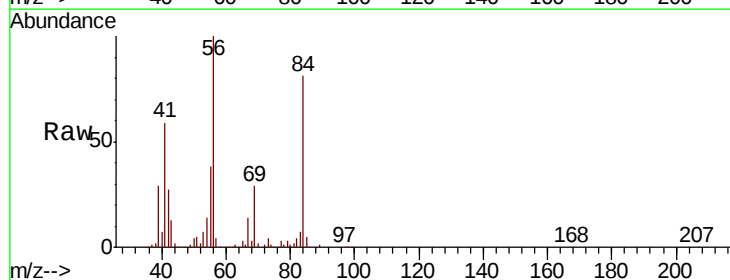
Manual Integrations
APPROVED

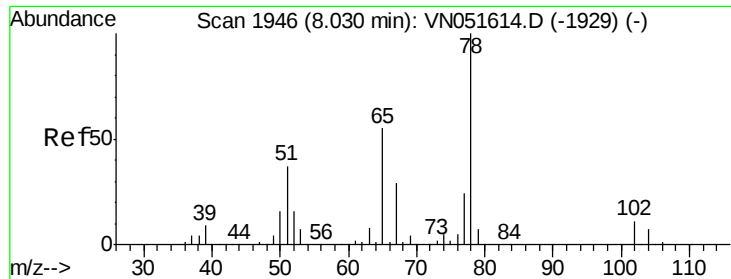
MMDadoda
10/2/2018 3:03:55 PM



#26
Cyclohexane
Concen: 18.211 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion	56	Resp	211095
Ion Ratio	100	Lower	Upper
89	1.2	2.2	3.2#
84	82.1	65.0	97.4





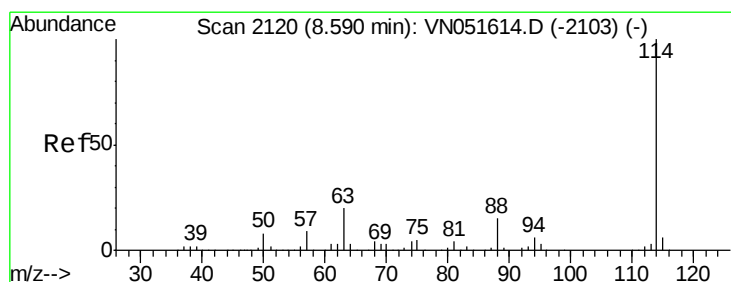
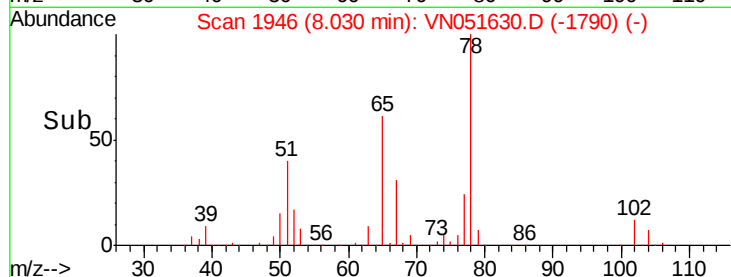
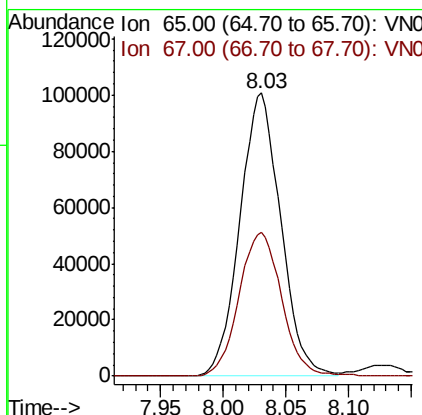
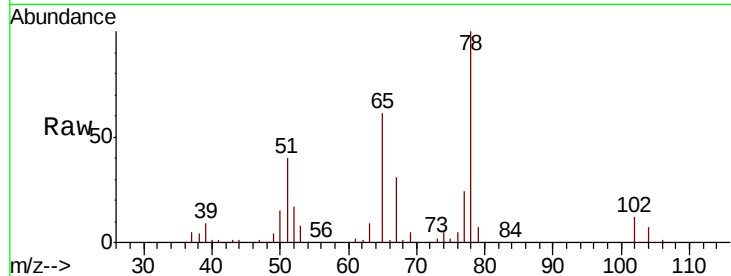
#27
 1,2-Dichloroethane-d4
 Concen: 18.211 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion: 65 Resp: 228542
 Ion Ratio Lower Upper
 65 100
 67 52.7 43.1 64.7

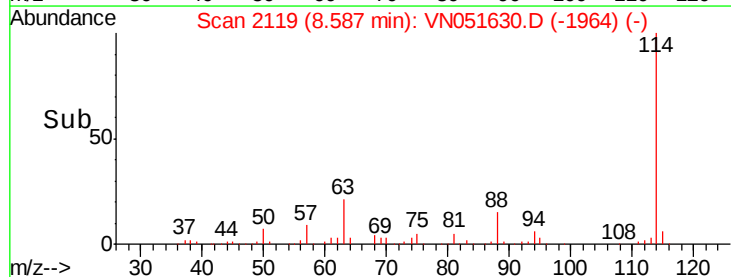
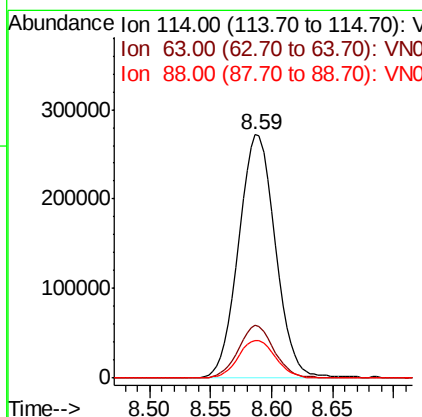
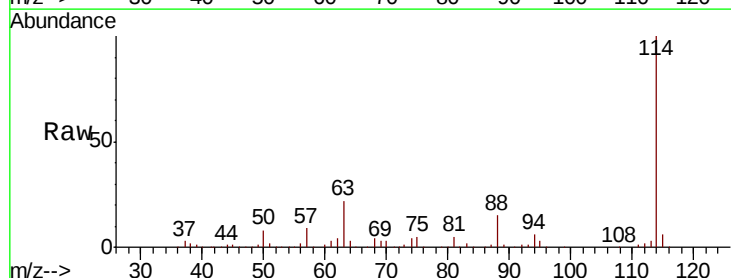
Manual Integrations
 APPROVED

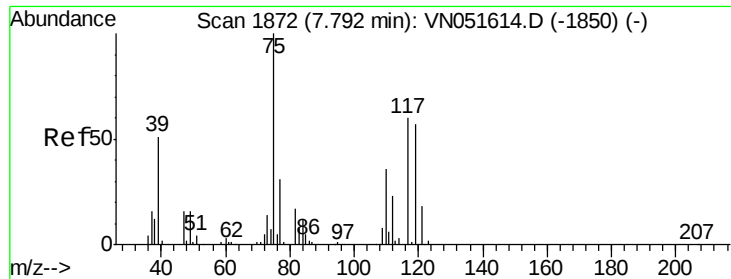
MMDadoda
 10/2/2018 3:03:55 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion: 114 Resp: 567782
 Ion Ratio Lower Upper
 114 100
 63 21.0 16.4 24.6
 88 15.8 12.6 18.8





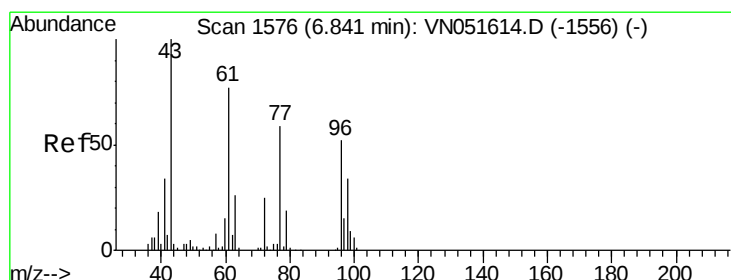
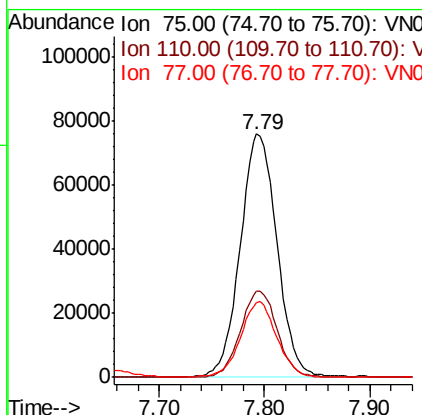
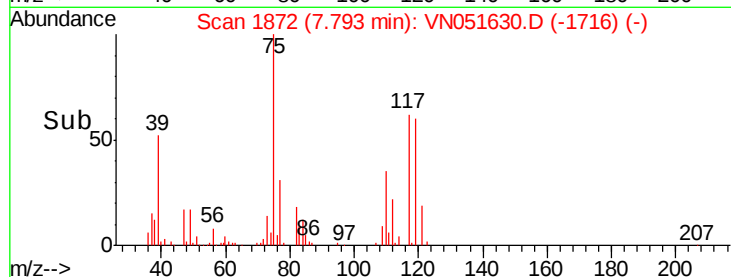
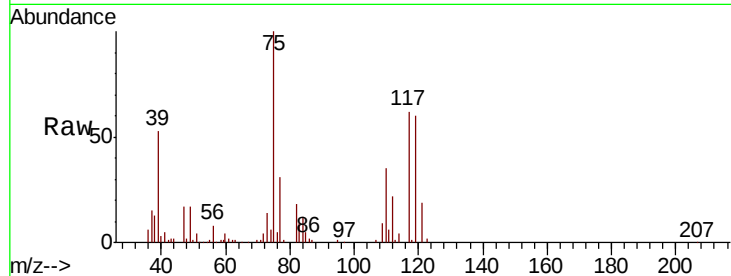
#29
 1,1-Dichloropropene
 Concen: 19.024 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	184184		
110	35.3	0.0	71.0	
77	30.7	0.0	62.4	

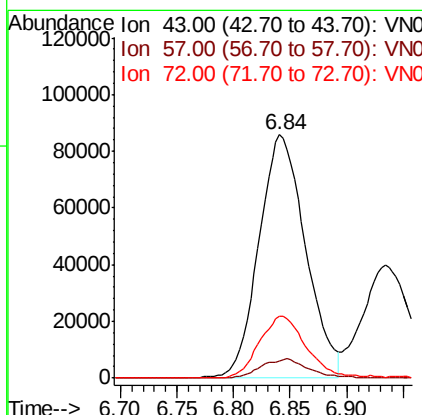
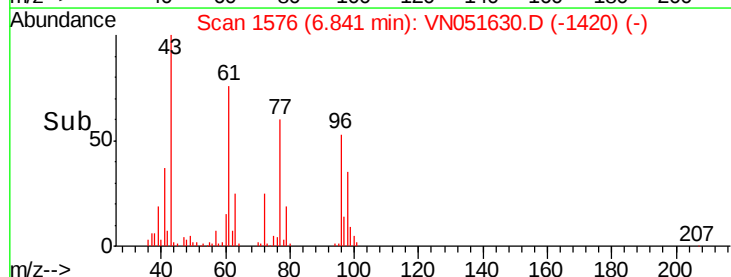
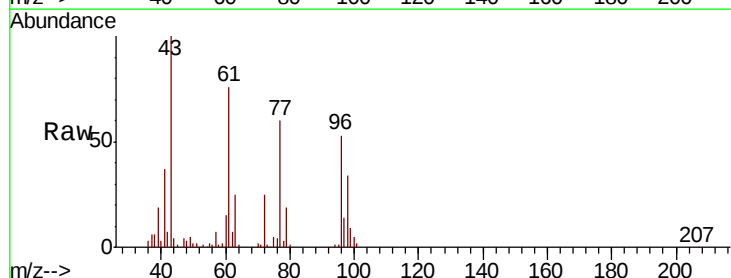
Manual Integrations
 APPROVED

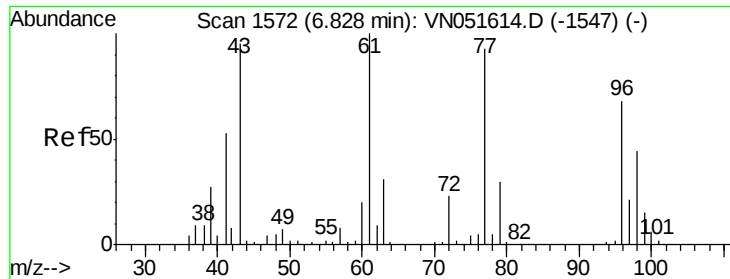
MMDadoda
 10/2/2018 3:03:55 PM



#30
 2-Butanone
 Concen: 92.492 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	243721		
57	8.1	6.6	10.0	
72	25.8	20.8	31.2	





#31

2,2-Dichloropropane

Concen: 19.002 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VN1001WBSD01

Tot Ion: 77 Resp: 198556

Ion Ratio Lower Upper

77 100

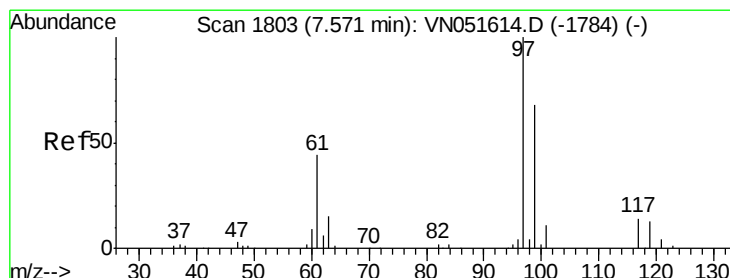
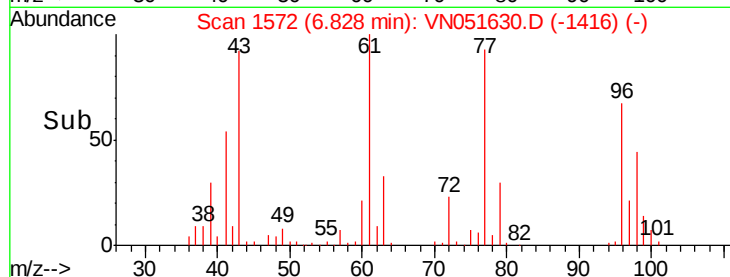
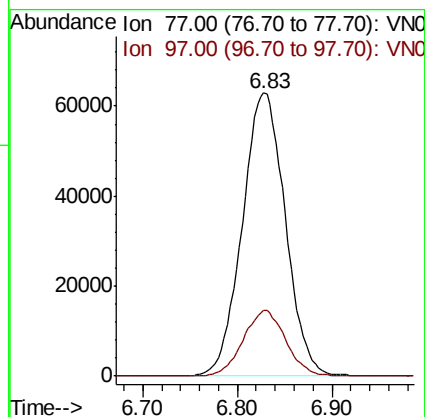
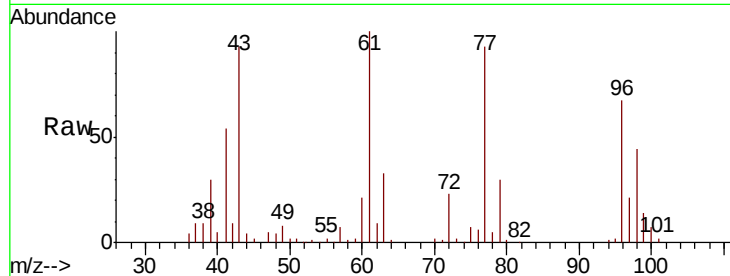
97 22.9 18.6 28.0

Manual Integrations

APPROVED

MMDadoda

10/2/2018 3:03:55 PM



#32

1,1,1-Trichloroethane

Concen: 19.639 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

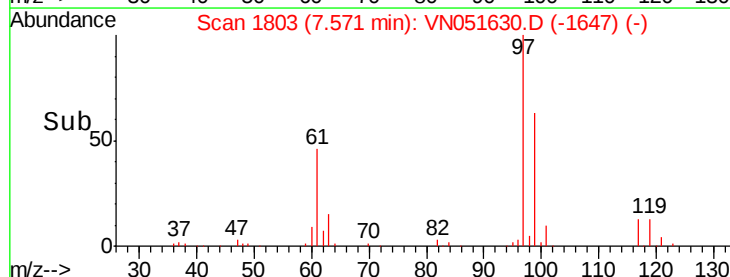
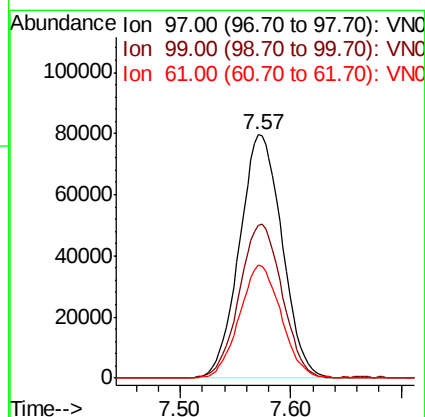
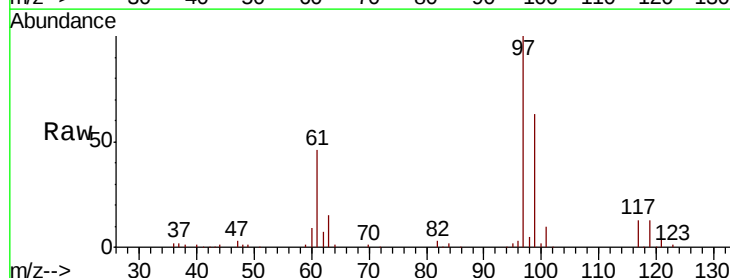
Tgt Ion: 97 Resp: 213641

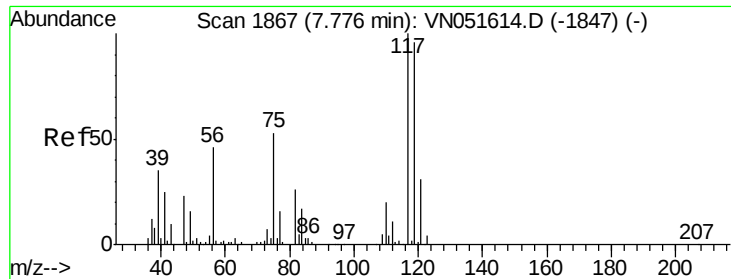
Ion Ratio Lower Upper

97 100

99 63.3 52.2 78.4

61 45.5 36.2 54.4





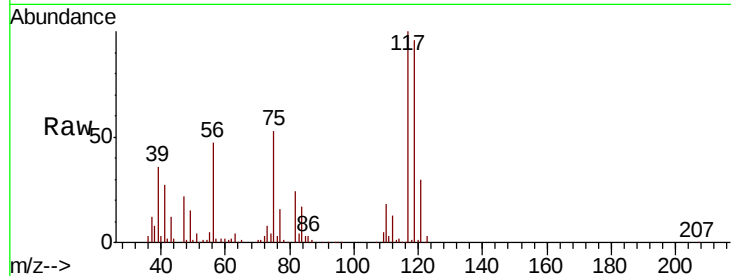
#33
Carbon Tetrachloride
Concen: 19.701 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.5	114.7
121	29.6	25.0	37.6

Manual Integrations
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10/2/2018 3:03:55 PM

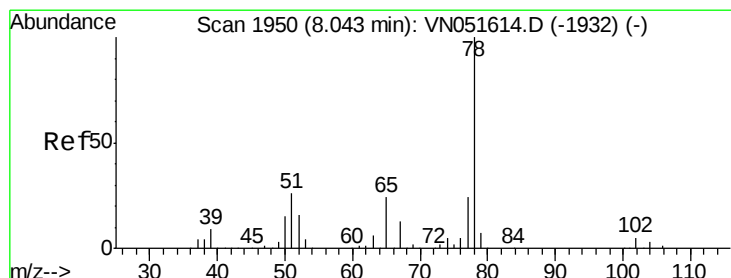
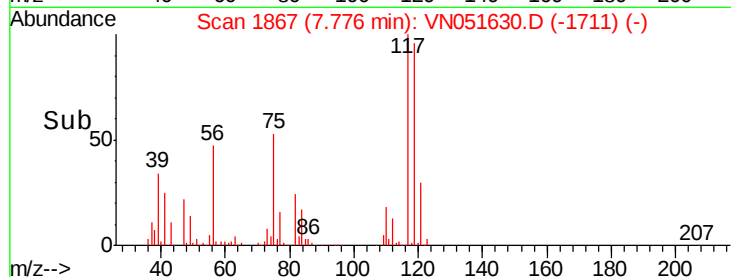
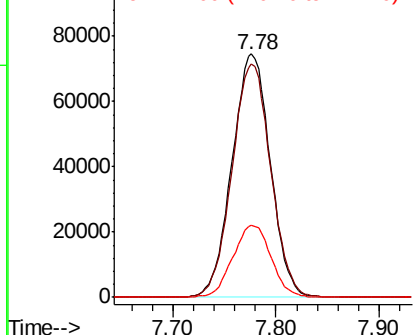


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34
Benzene
Concen: 19.580 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

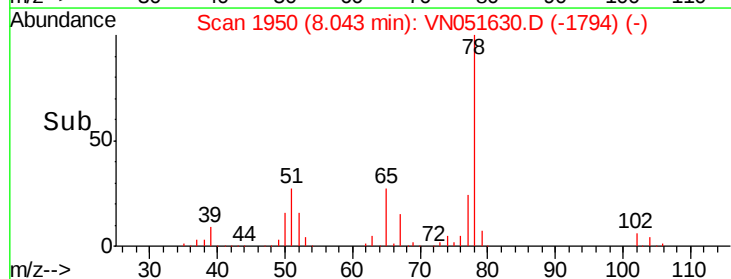
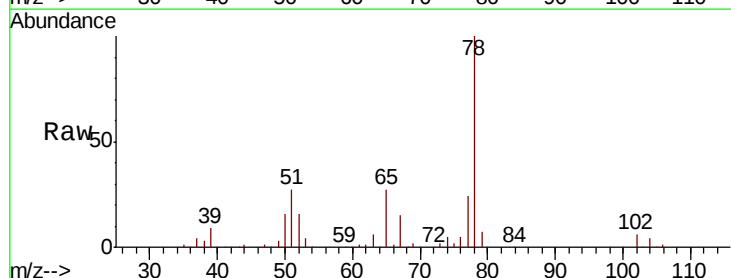
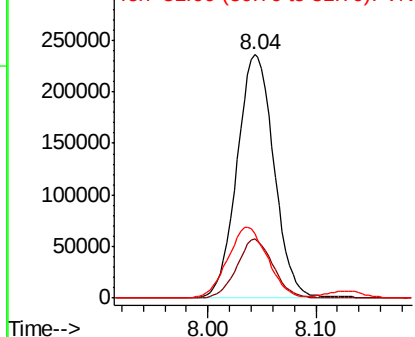
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9
51	26.4	20.8	31.2

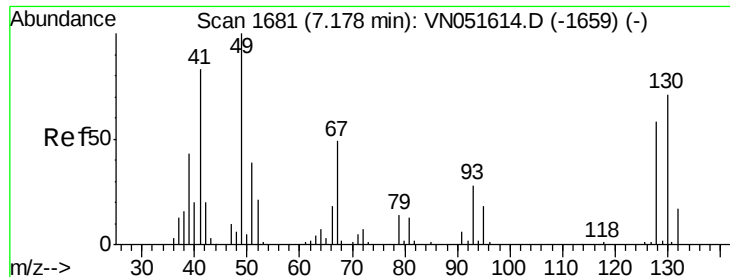
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





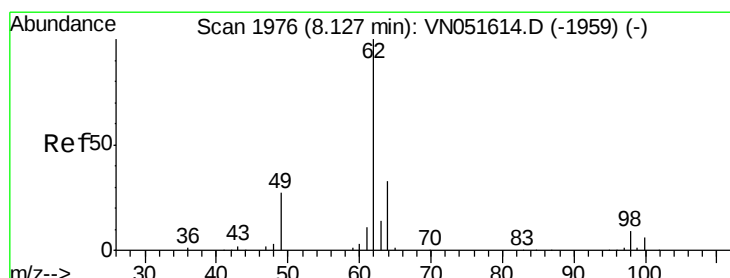
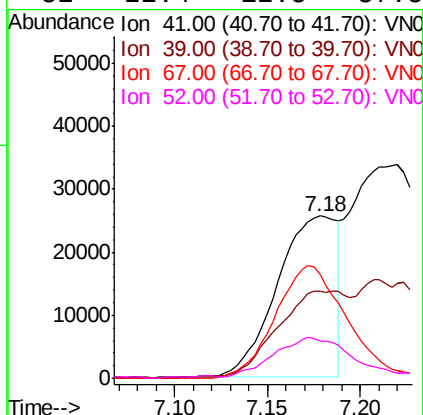
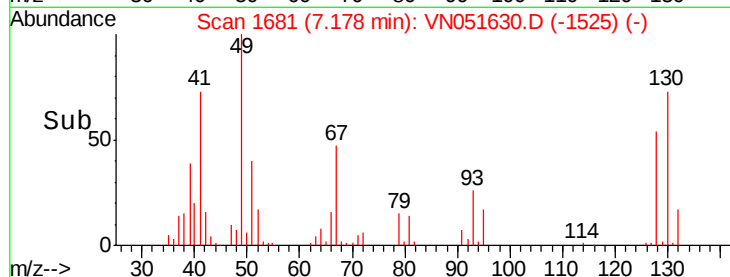
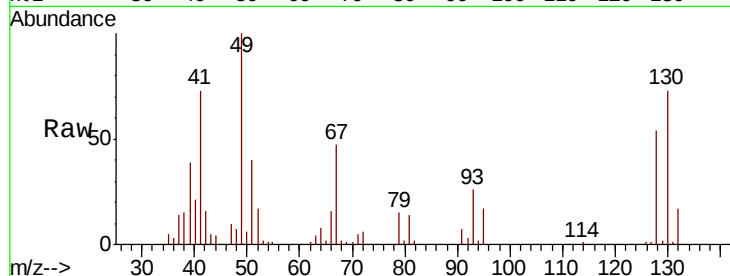
#35
Methacrylonitrile
Concen: 19.382 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.2	25.6	76.8
67	64.8	29.4	88.2
52	22.4	12.5	37.5

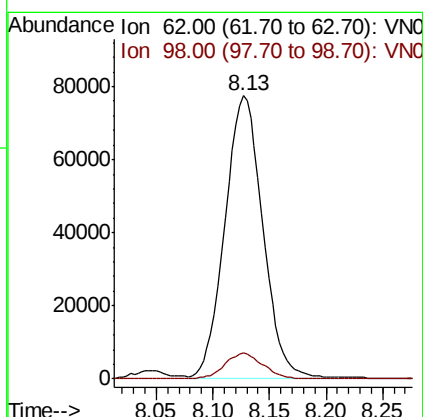
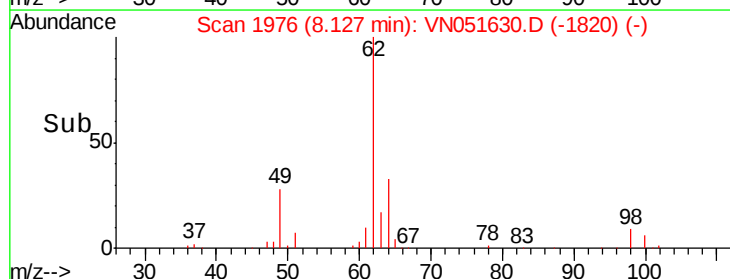
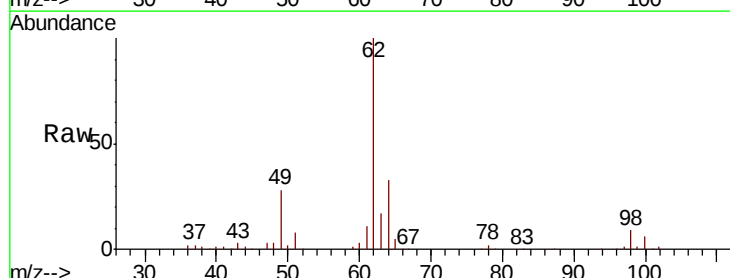
Manual Integrations
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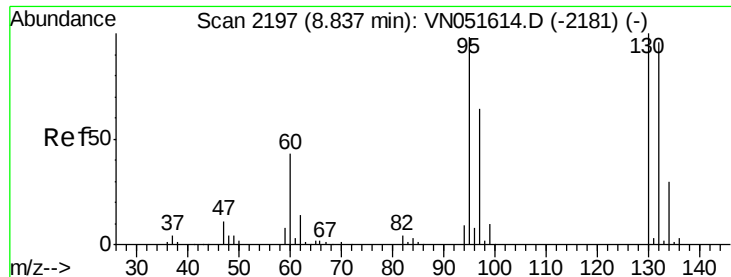
MMDadoda
10/2/2018 3:03:55 PM



#36
1,2-Dichloroethane
Concen: 19.694 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.4	11.2





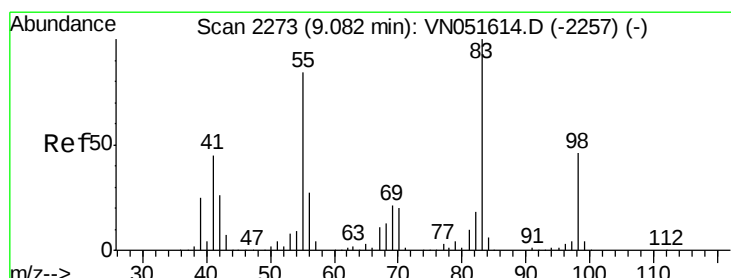
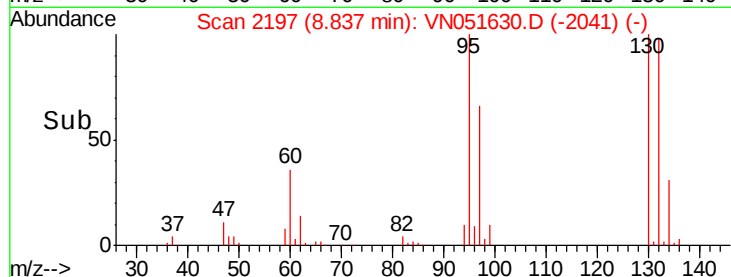
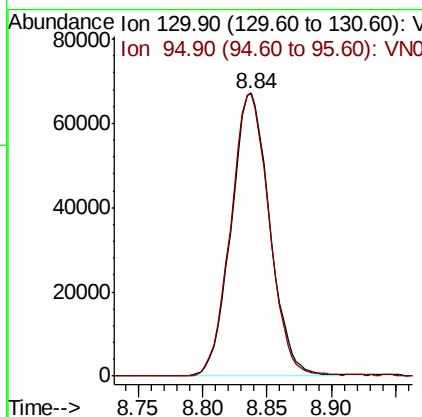
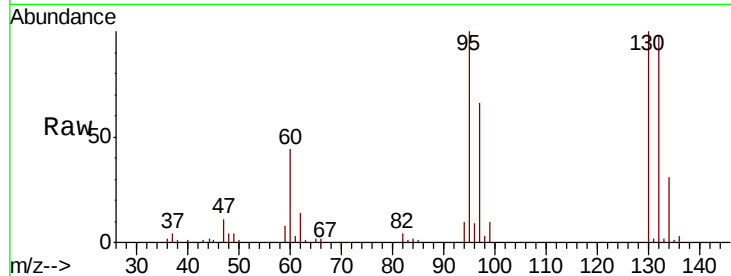
#37
 Trichloroethene
 Concen: 18.901 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion:130 Resp: 139391
 Ion Ratio Lower Upper
 130 100
 95 99.8 78.4 117.6

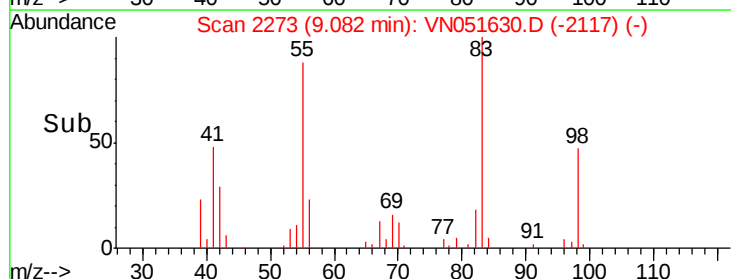
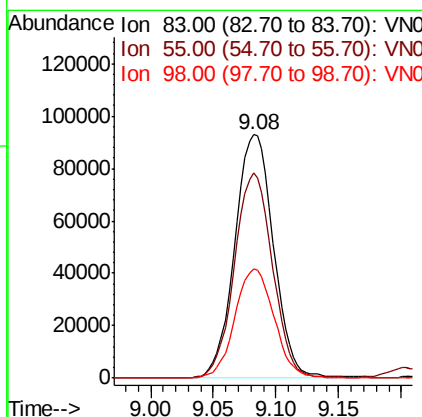
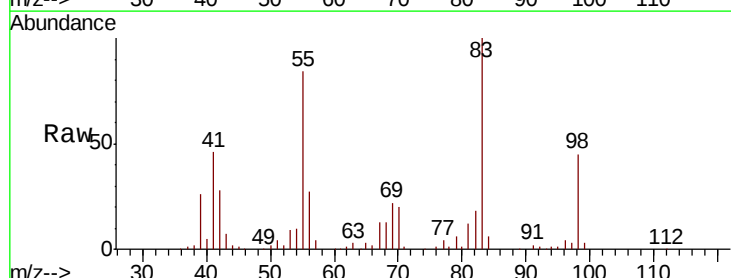
Manual Integrations
 APPROVED

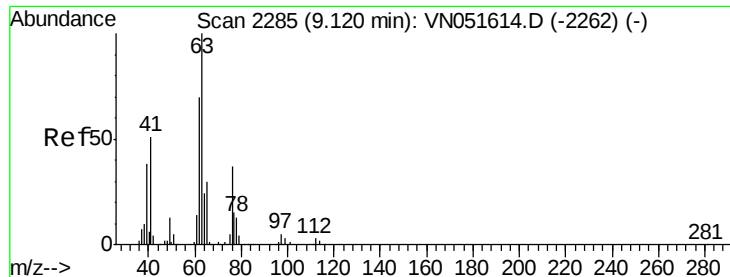
MMDadoda
 10/2/2018 3:03:55 PM



#38
 Methylcyclohexane
 Concen: 17.909 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion: 83 Resp: 200083
 Ion Ratio Lower Upper
 83 100
 55 82.6 41.6 124.9
 98 45.3 23.1 69.2





#39

1,2-Dichloropropane

Concen: 19.441 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

Tot Ion: 63 Resp: 153018

Ion Ratio Lower Upper

63 100

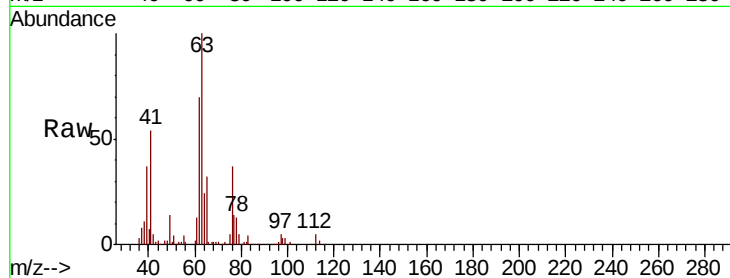
65 31.3 24.4 36.6

Manual Integrations

APPROVED

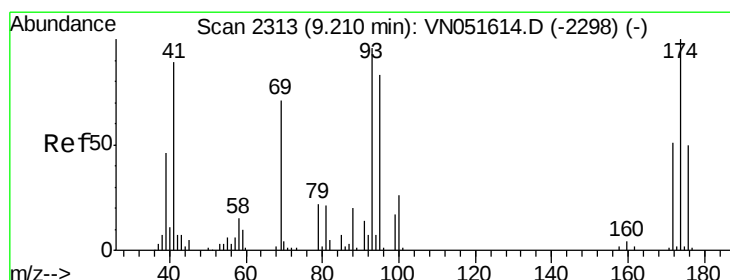
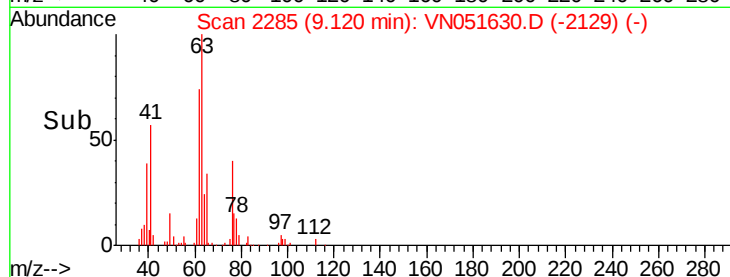
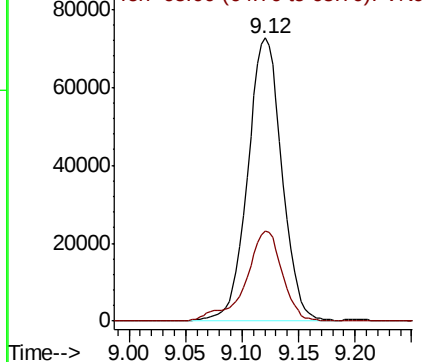
MMDadoda

10/2/2018 3:03:55 PM



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.884 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

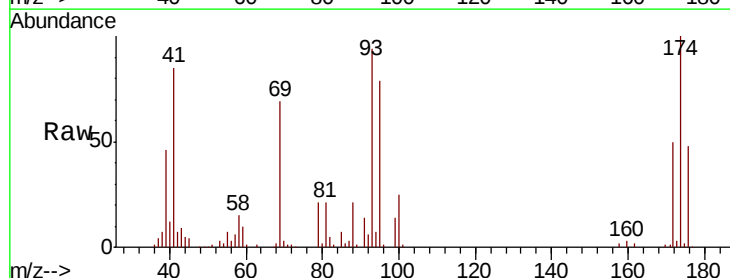
Tgt Ion: 93 Resp: 86937

Ion Ratio Lower Upper

93 100

95 83.3 0.0 171.0

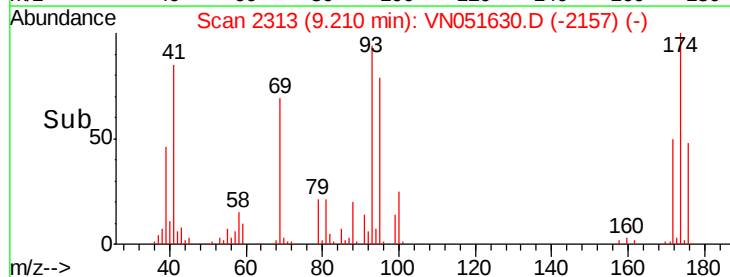
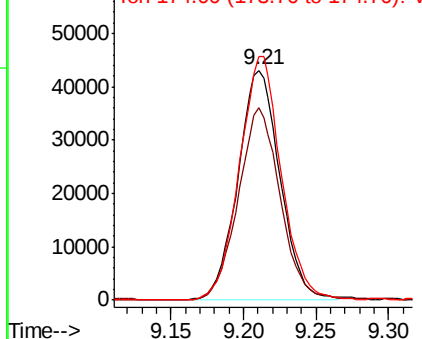
174 105.5 0.0 212.0

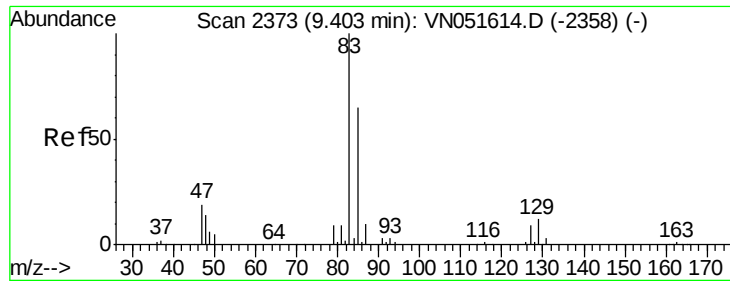


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





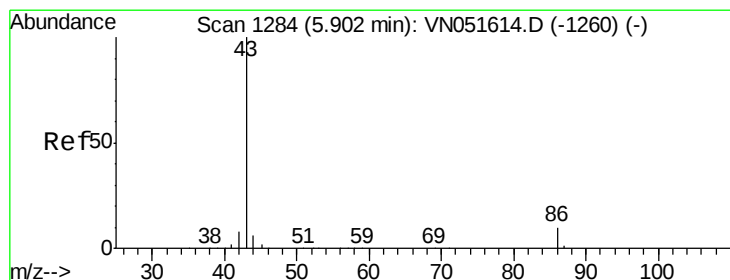
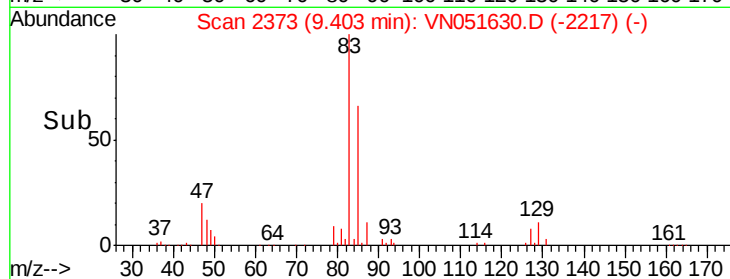
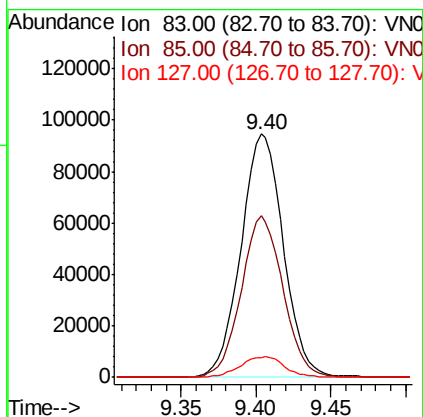
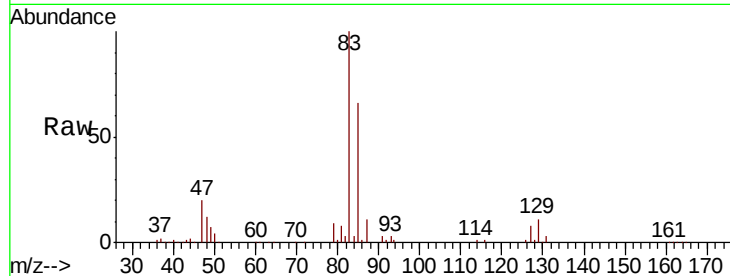
#41
Bromodichloromethane
Concen: 19.488 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	83	Resp	185994
Ion Ratio	100	Lower	Upper
83	100		
85	66.2	52.1	78.1
127	8.3	7.1	10.7

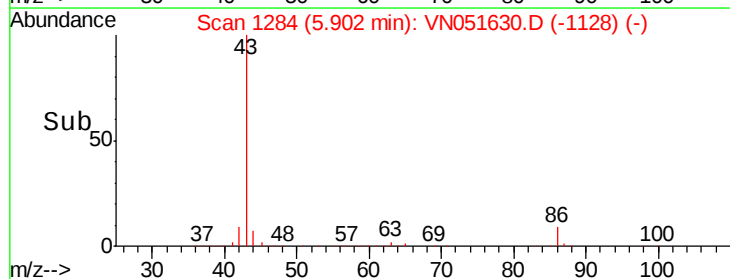
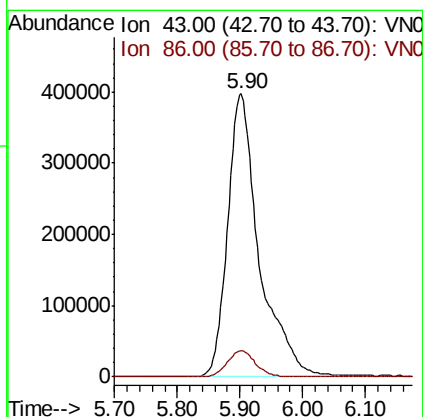
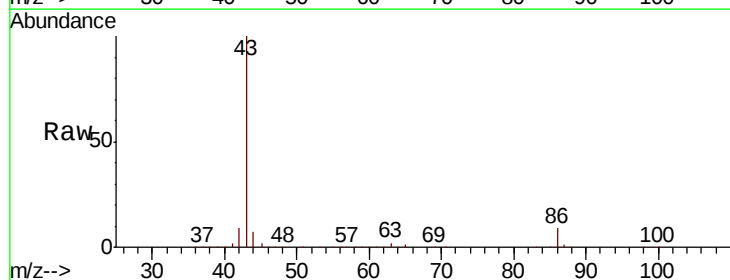
Manual Integrations
APPROVED

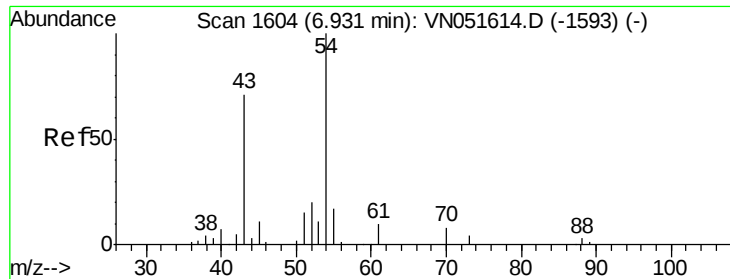
MMDadoda
10/2/2018 3:03:55 PM



#42
Vinyl Acetate
Concen: 94.548 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion	43	Resp	1386989
Ion Ratio	100	Lower	Upper
43	100		
86	8.2	6.6	9.8





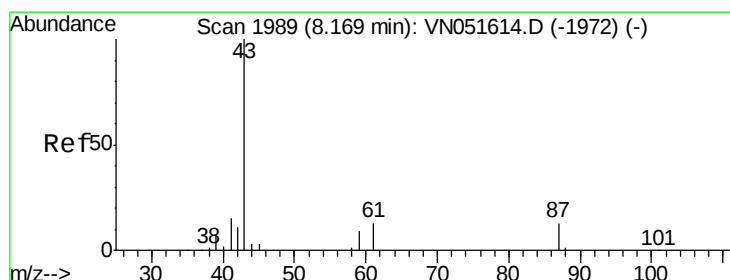
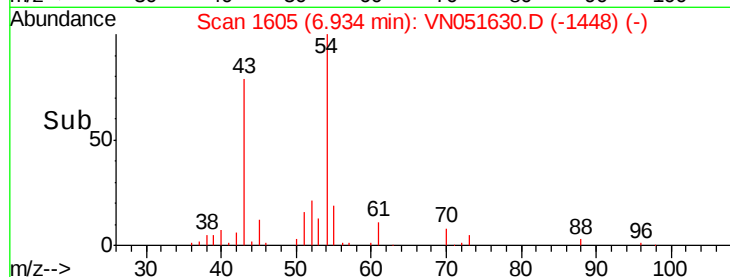
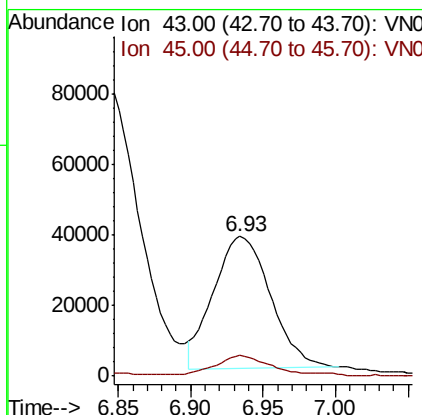
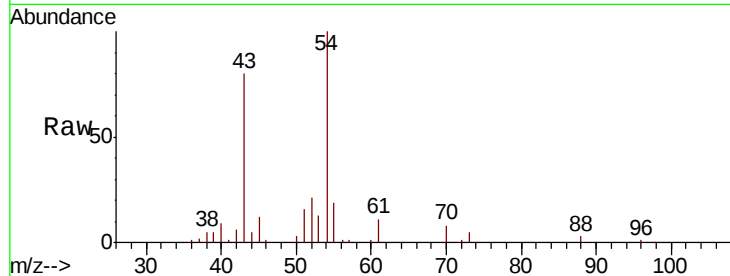
#43
Ethyl Acetate
Concen: 18.365 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion: 43 Resp: 102431
Ion Ratio Lower Upper
43 100
45 13.5 10.6 16.0

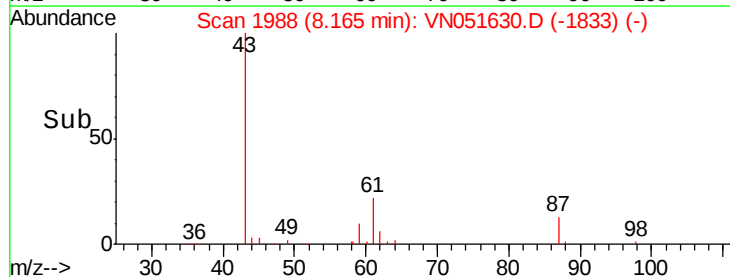
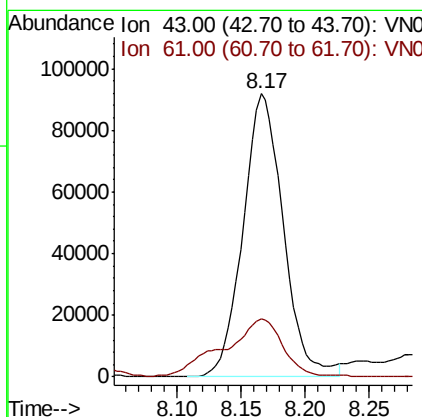
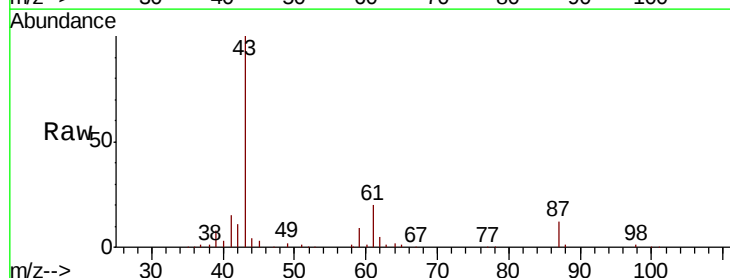
Manual Integrations
APPROVED

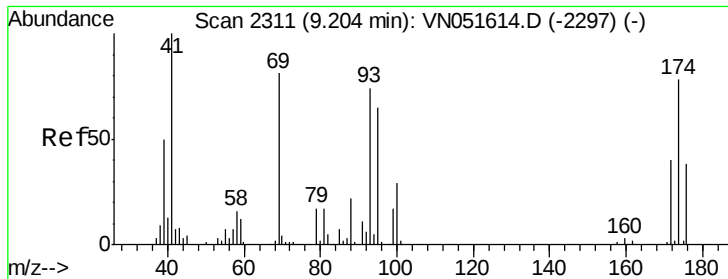
MMDadoda
10/2/2018 3:03:55 PM



#44
Isopropyl Acetate
Concen: 18.384 ug/l m
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion: 43 Resp: 200766
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.0#





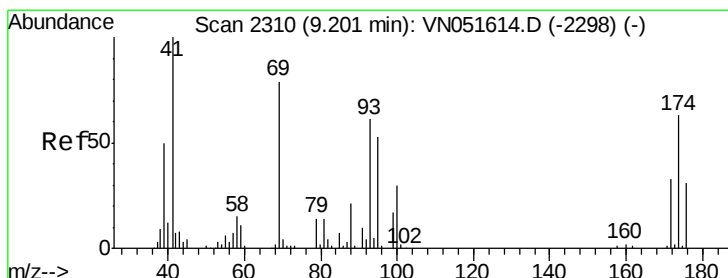
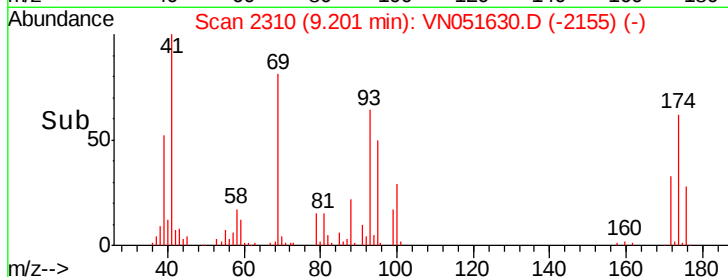
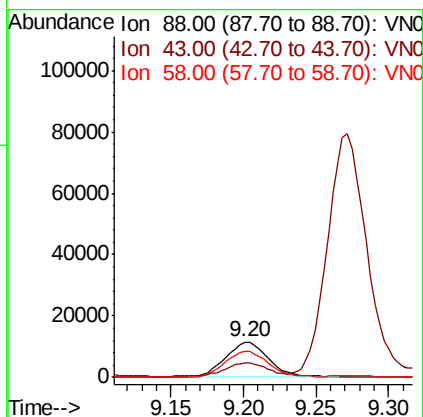
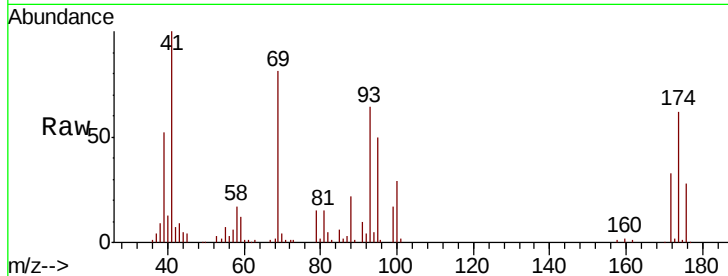
#45
 1,4-Dioxane
 Concen: 406.199 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.5	29.0	43.6
58	73.8	59.0	88.6

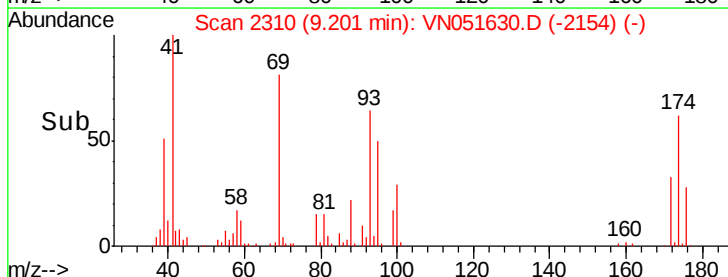
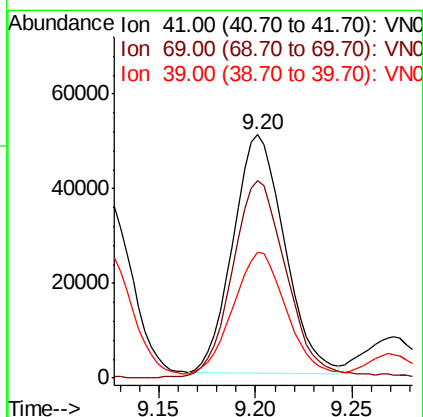
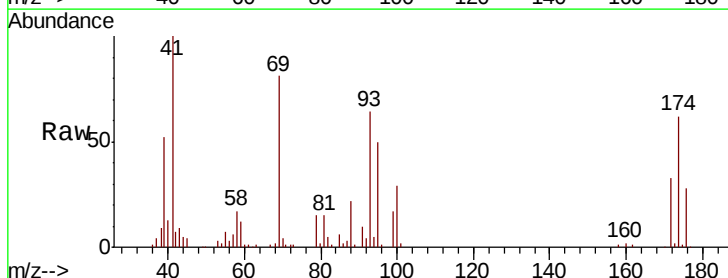
Manual Integrations
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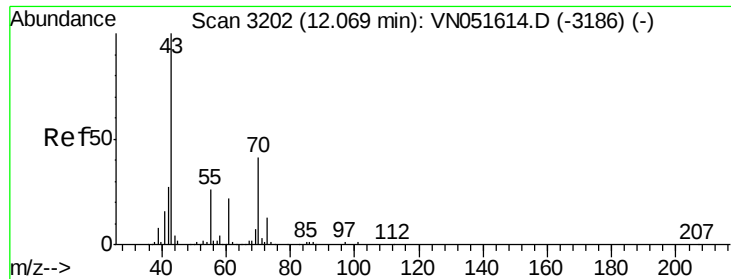
MMDadoda
 10/2/2018 3:03:55 PM



#46
 Methyl methacrylate
 Concen: 18.361 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.2	39.6	118.7
39	50.9	24.9	74.6





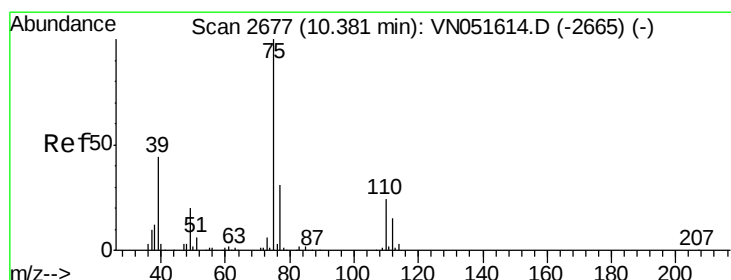
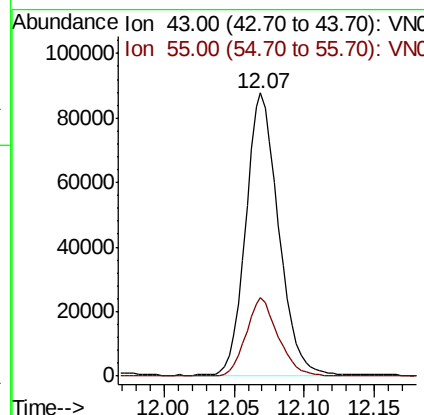
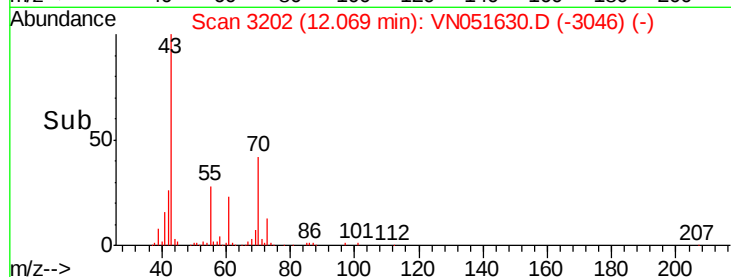
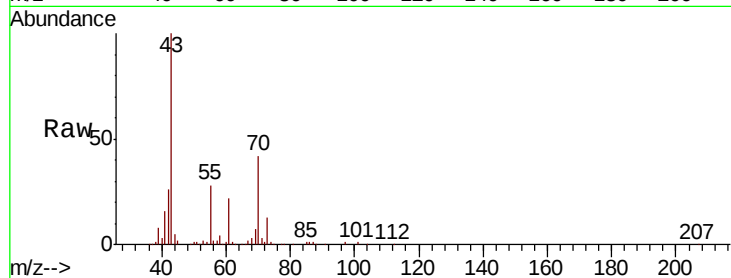
#47
n-amvl Acetate
Concen: 17.437 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	43	Resp	142479
Ion Ratio	100	Lower	Upper
43	100	21.5	32.3
55	27.1		

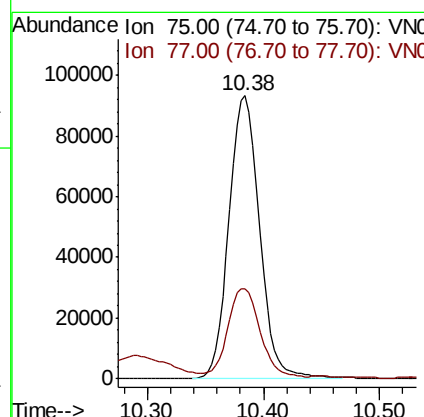
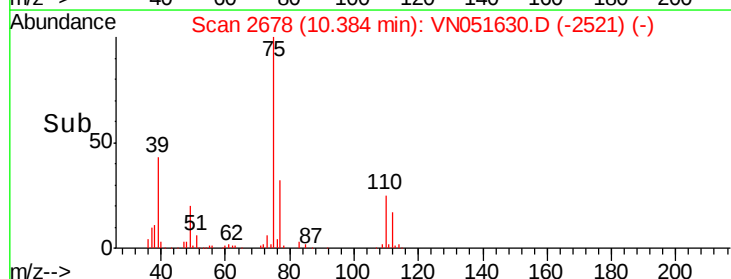
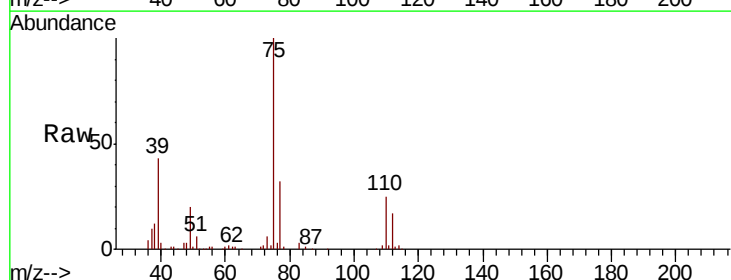
Manual Integrations
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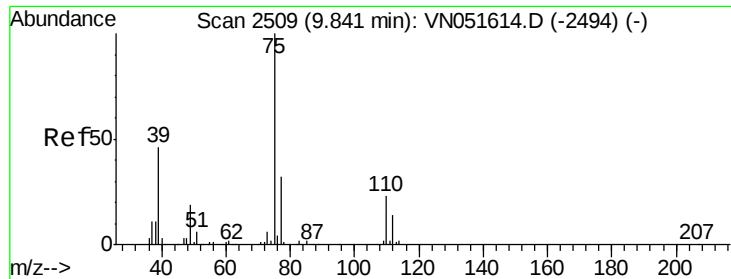
MMDadoda
10/2/2018 3:03:55 PM



#48
t-1,3-Dichloropropene
Concen: 17.954 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion	75	Resp	171020
Ion Ratio	100	Lower	Upper
75	100	26.0	39.0
77	31.0		





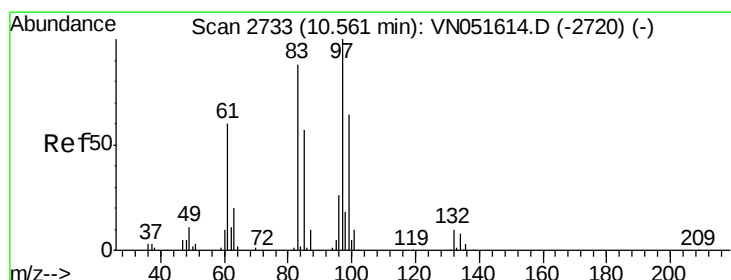
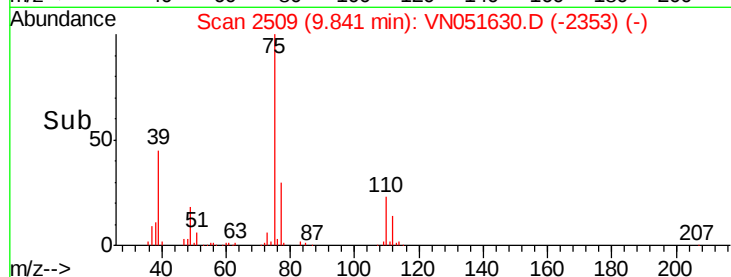
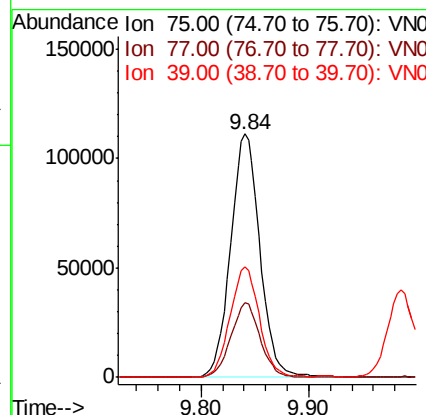
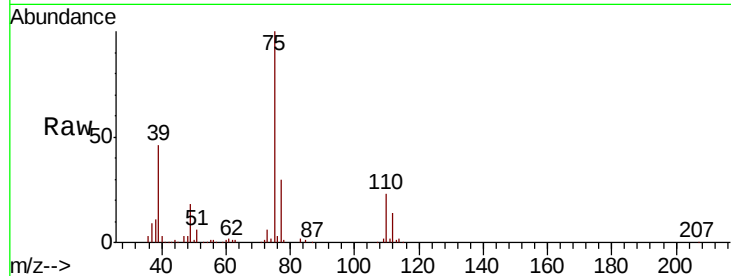
#49
 cis-1,3-Dichloropropene
 Concen: 18.925 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.4	38.0
39	45.3	36.6	55.0

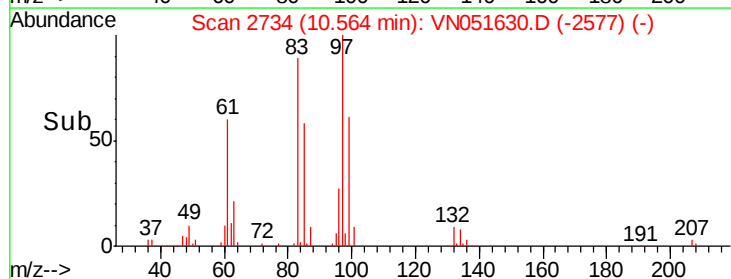
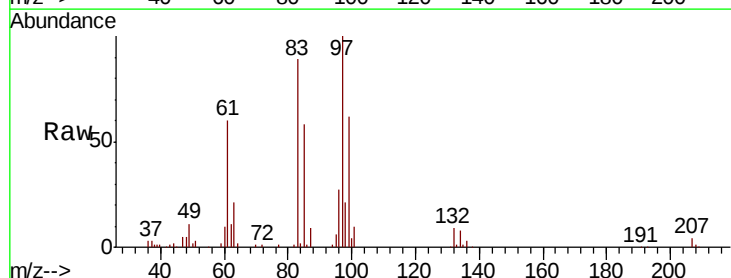
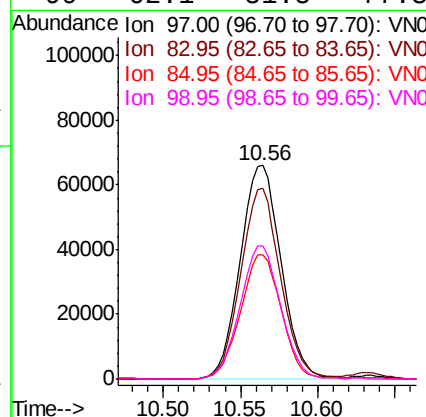
Manual Integrations
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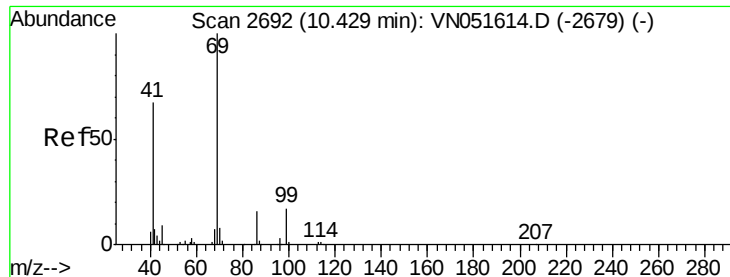
MMDadoda
 10/2/2018 3:03:55 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.649 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.2	105.2
85	58.4	45.6	68.4
99	62.1	51.5	77.3





#51

Ethyl methacrylate

Concen: 17.890 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

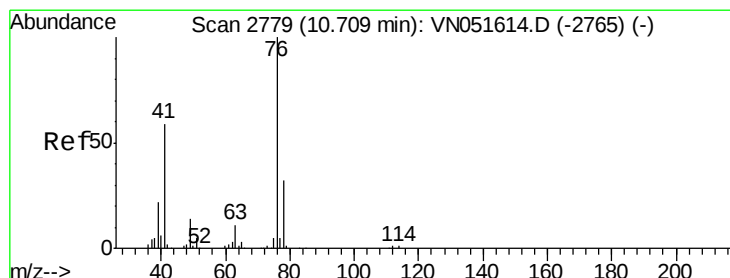
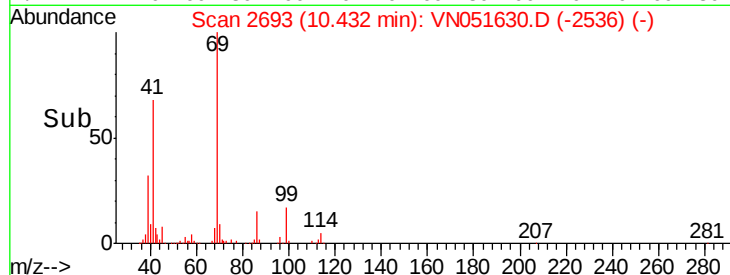
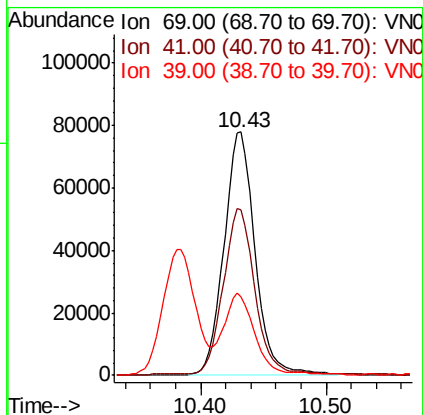
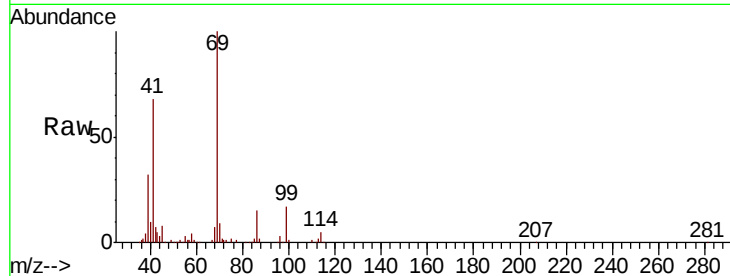
ClientSampleId :

VN1001WBSD01

Tot Ion:	69	Resp:	134117
Ion	Ratio	Lower	Upper
69	100		
41	67.5	33.3	99.8
39	31.7	17.2	51.6

Manual Integrations
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10/2/2018 3:03:55 PM



#52

1,3-Dichloropropane

Concen: 19.285 ug/l

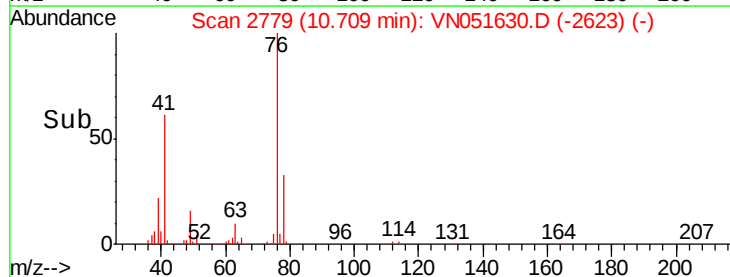
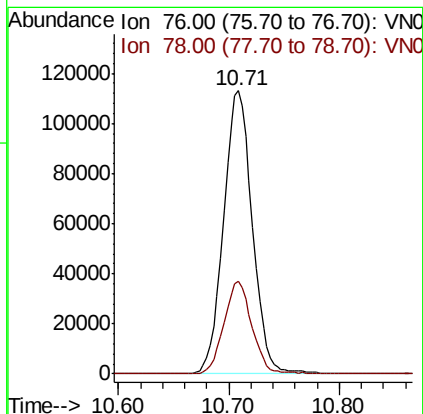
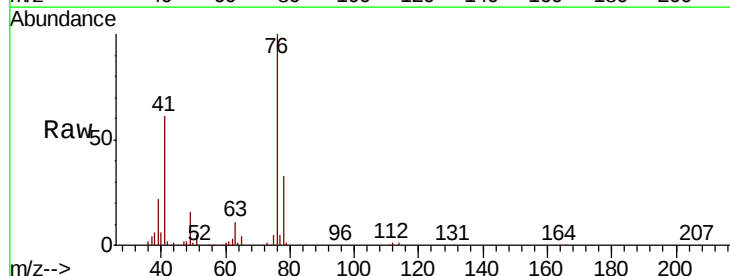
RT: 10.71 min Scan# 2779

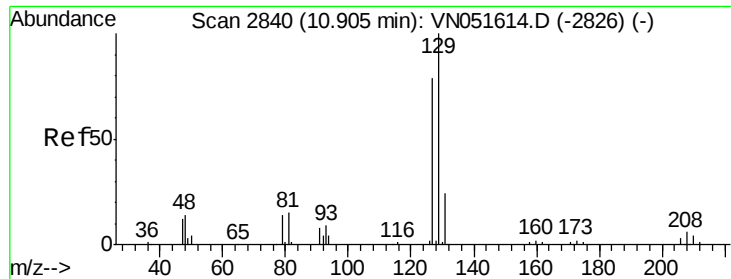
Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Tgt Ion:	76	Resp:	204309
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	63.4





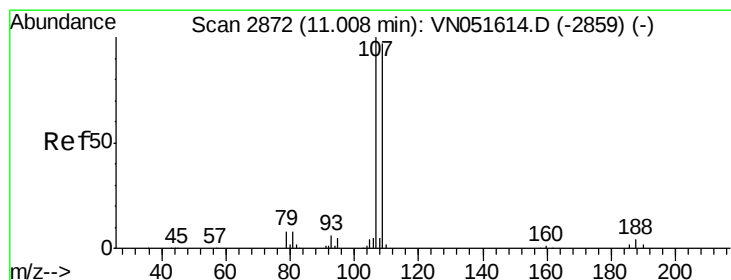
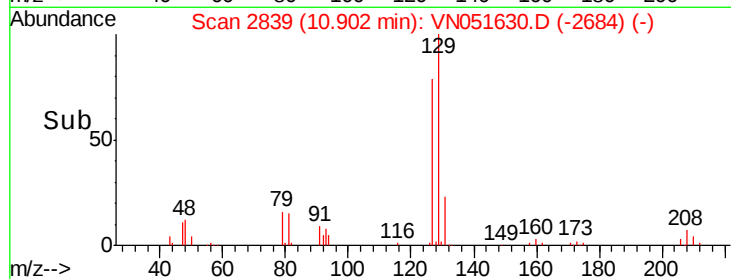
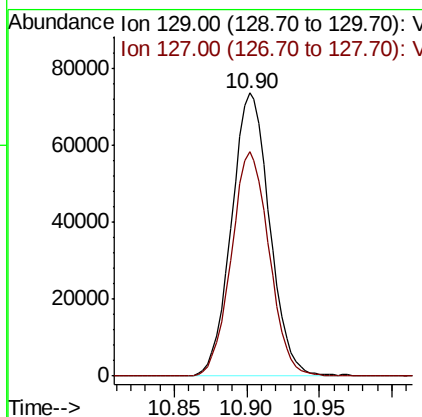
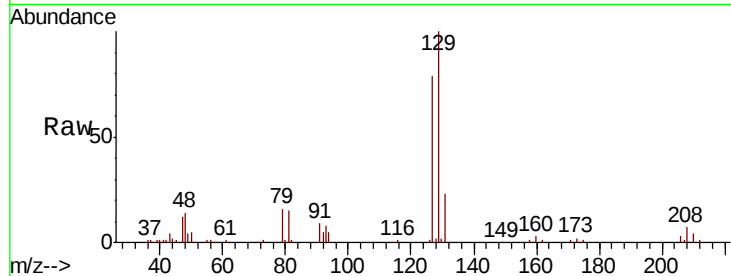
#53
Dibromochloromethane
Concen: 19.133 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion:129 Resp: 134643
Ion Ratio Lower Upper
129 100
127 78.5 38.9 116.7

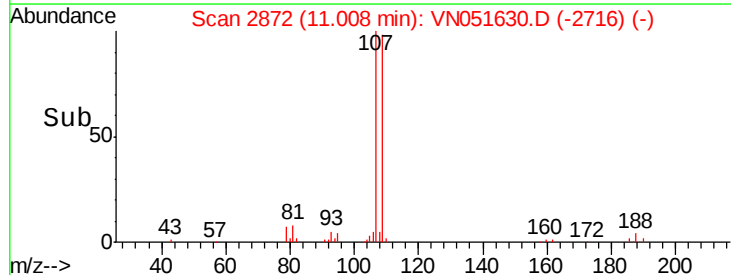
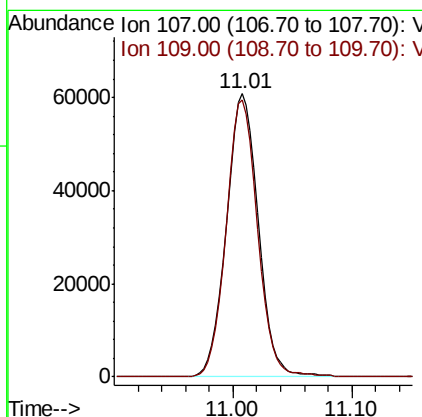
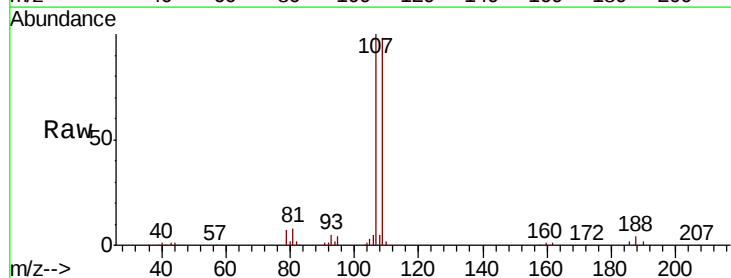
Manual Integrations
APPROVED

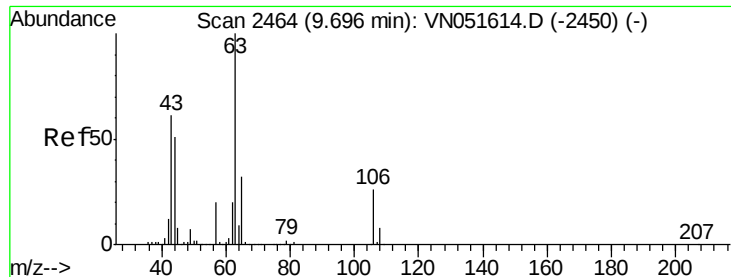
MMDadoda
10/2/2018 3:03:55 PM



#54
1,2-Dibromoethane
Concen: 19.025 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion:107 Resp: 112795
Ion Ratio Lower Upper
107 100
109 96.4 76.5 114.7





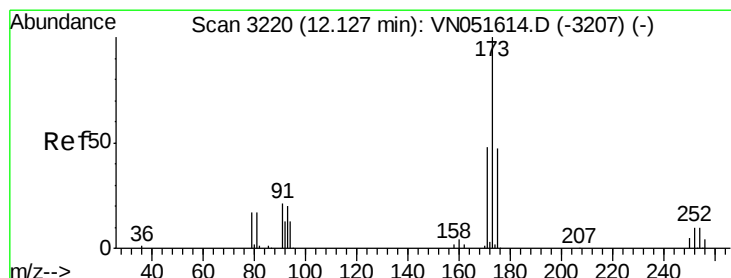
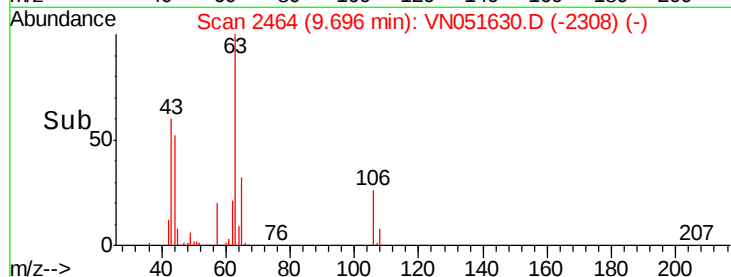
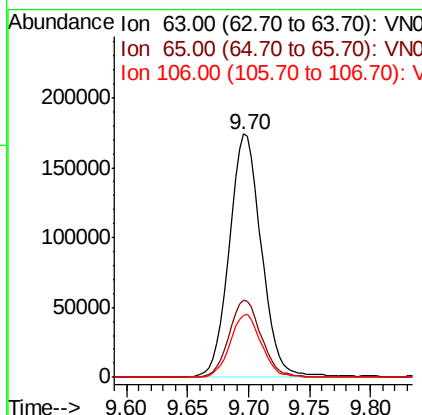
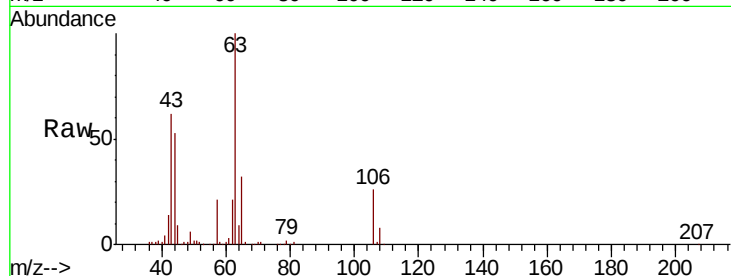
#55
2-Chloroethyl vinyl ether
Concen: 86.297 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.8	38.6
106	25.1	20.4	30.6

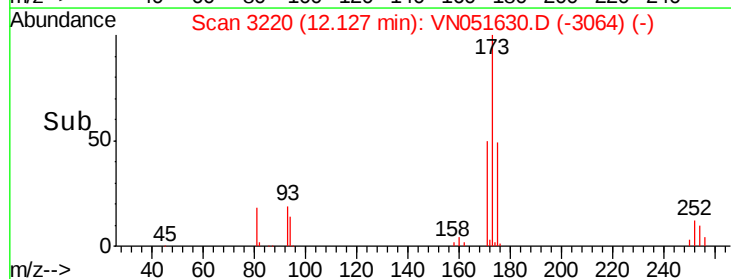
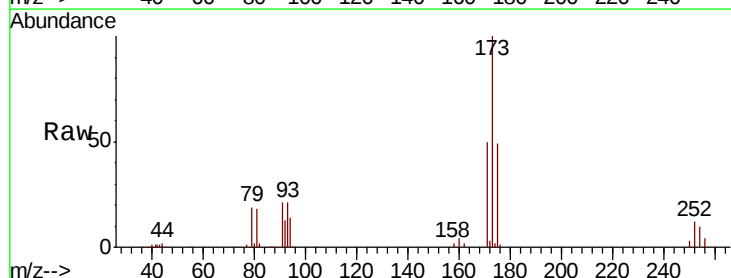
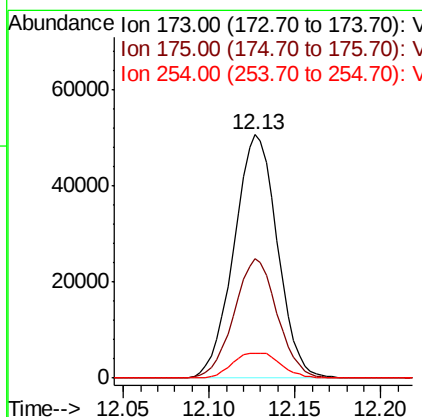
Manual Integrations
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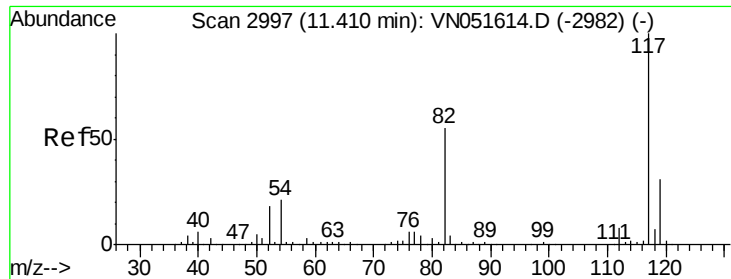
MMDadoda
10/2/2018 3:03:55 PM



#56
Bromoform
Concen: 19.094 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.0	58.4
254	11.4	8.7	13.1





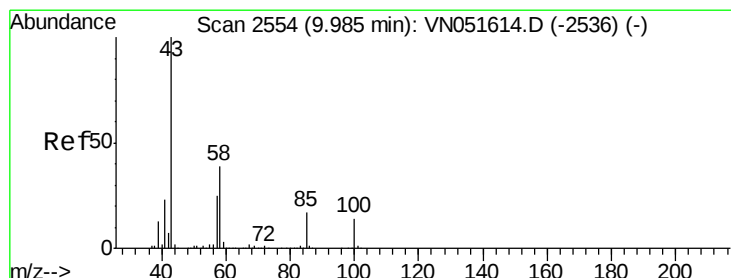
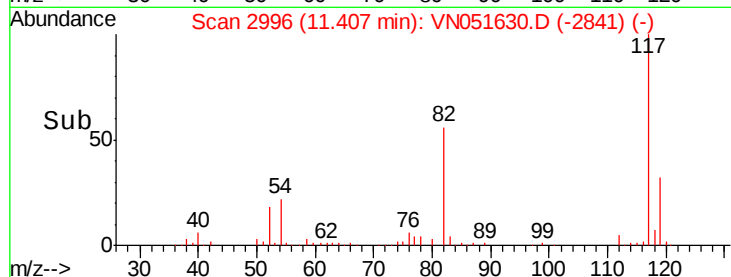
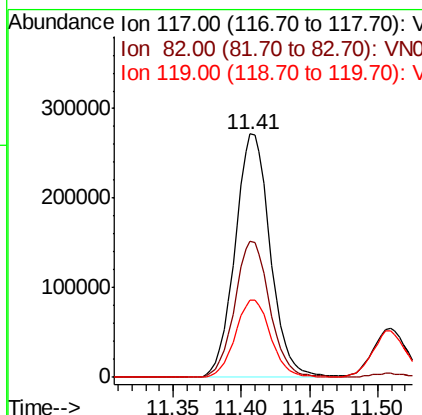
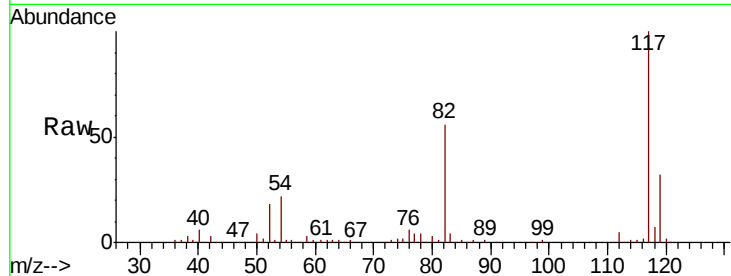
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.2	66.2
119	32.1	25.2	37.8

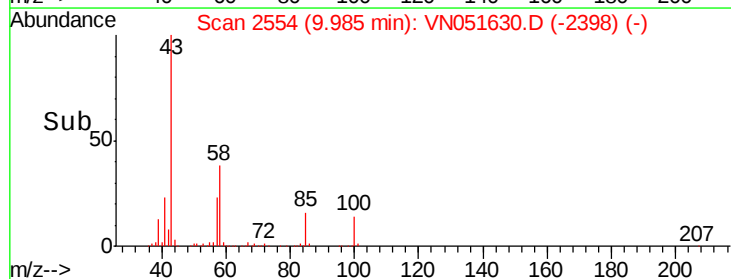
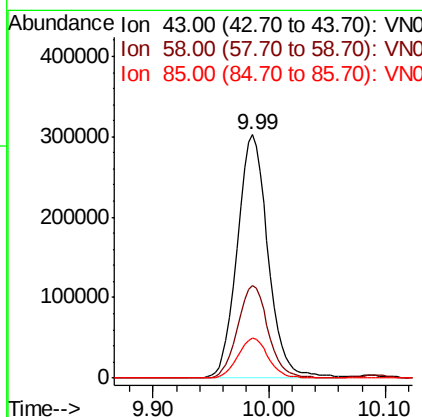
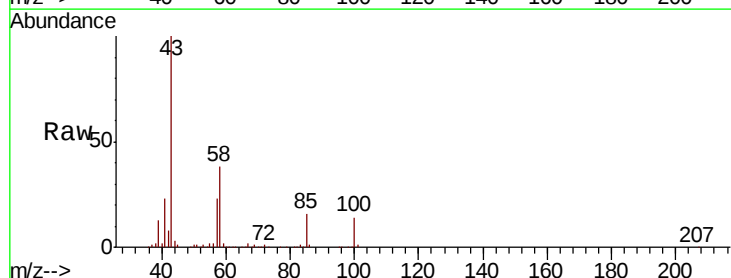
Manual Integrations
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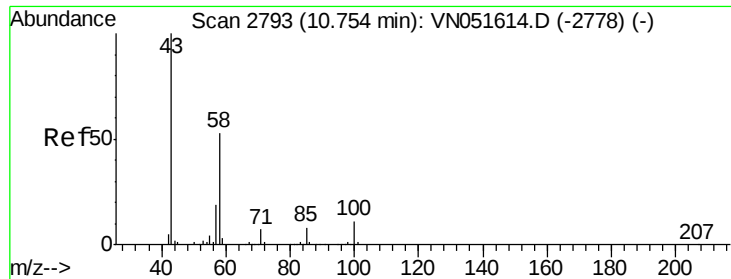
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 100.353 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.0	31.0	46.4
85	16.4	13.4	20.2





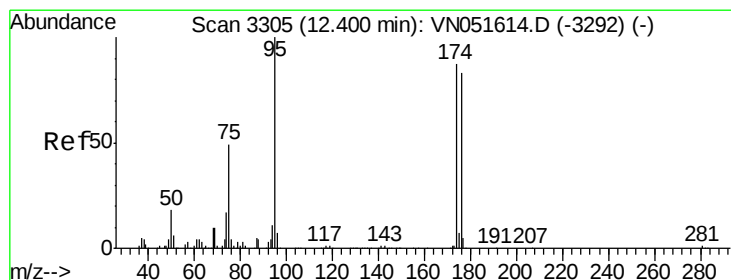
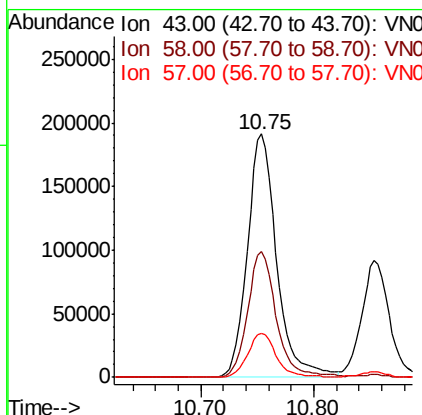
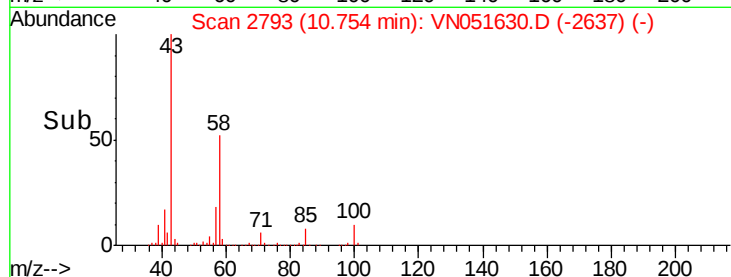
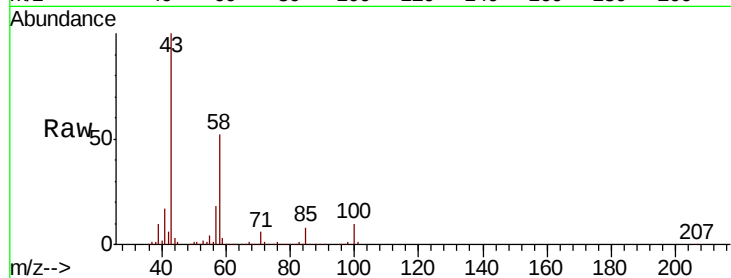
#59
2-Hexanone
Concen: 94.302 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.9	41.5	62.3
57	17.9	14.2	21.4

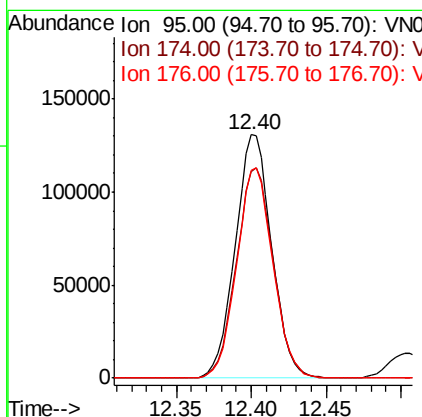
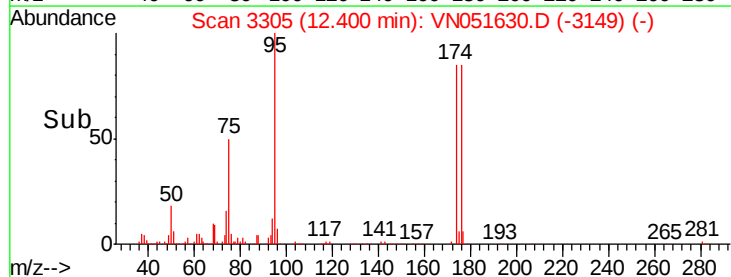
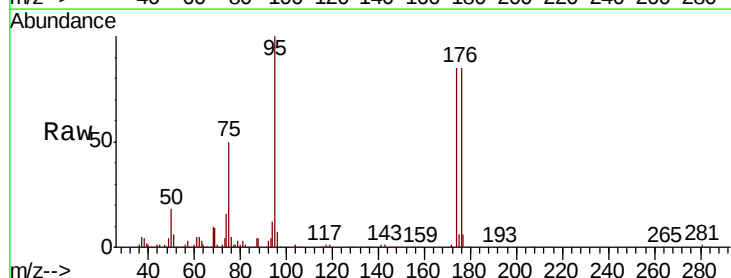
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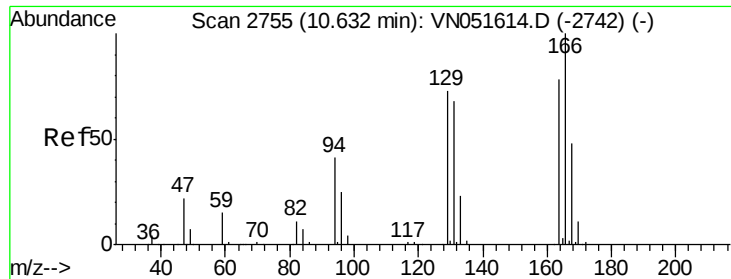
MMDadoda
10/2/2018 3:03:55 PM



#60
4-Bromofluorobenzene
Concen: 94.302 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.6	71.2	106.8
176	85.8	67.8	101.8





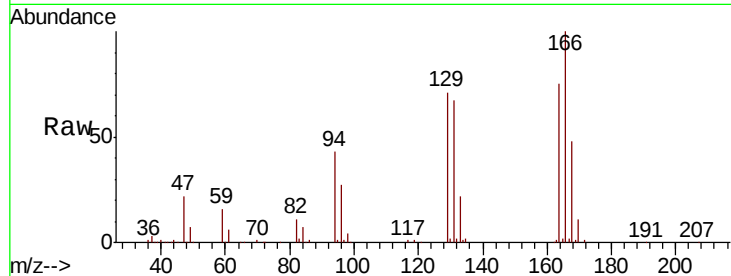
#61
Tetrachloroethene
Concen: 19.251 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	132.6	103.1	154.7	
129	94.3	75.3	112.9	
131	89.4	70.8	106.2	

Manual Integrations
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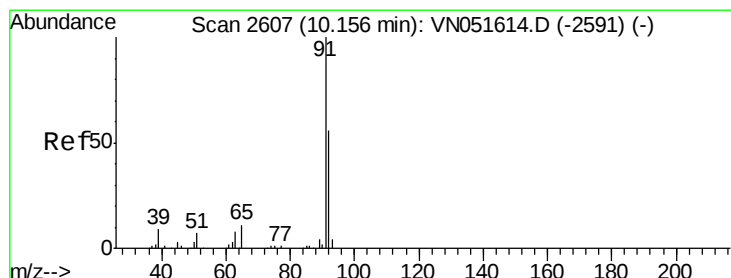
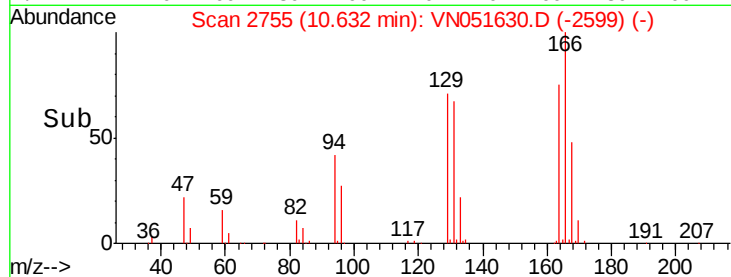
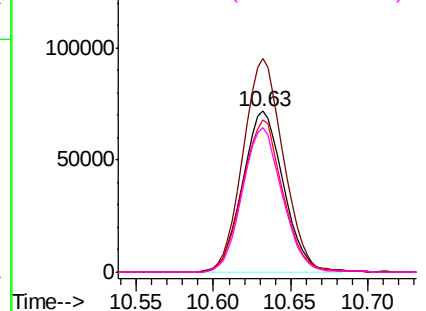
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

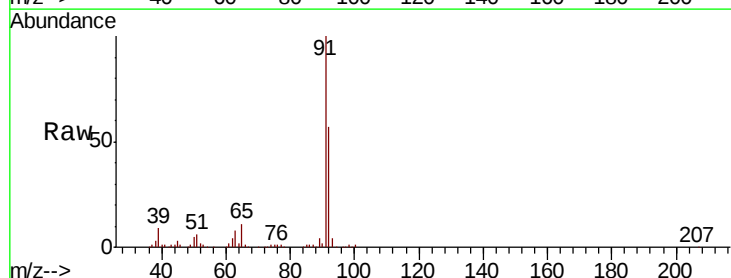
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 19.531 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

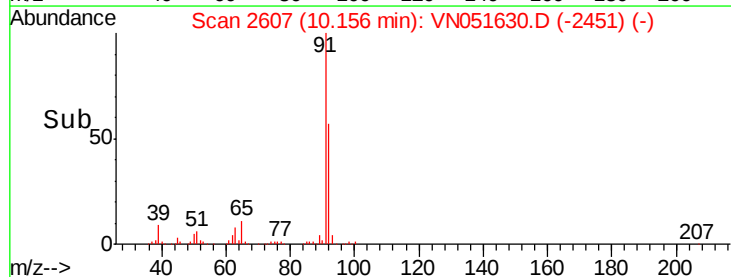
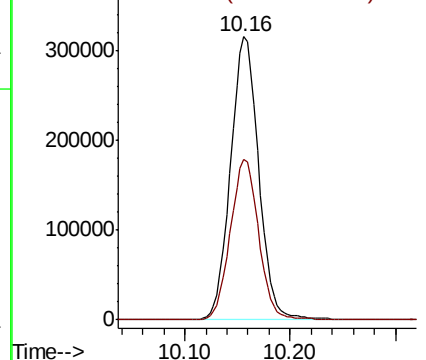
Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	57.1	45.3	67.9	

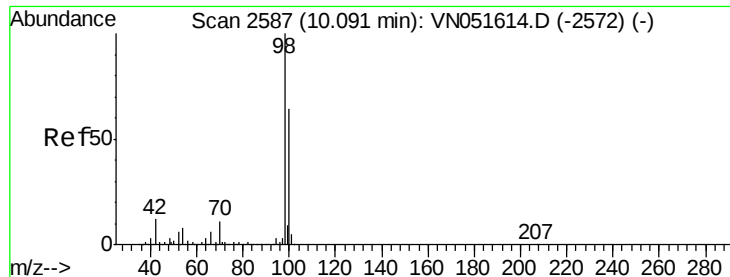


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 19.531 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

Tot Ion: 98 Resp: 709448

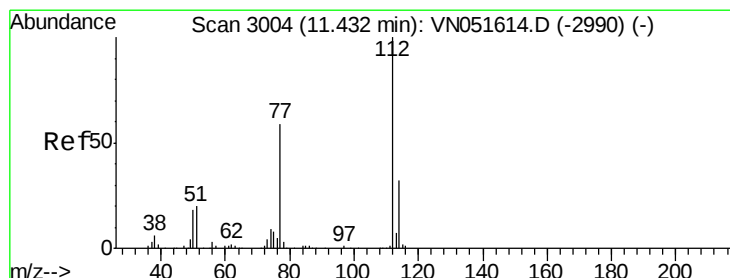
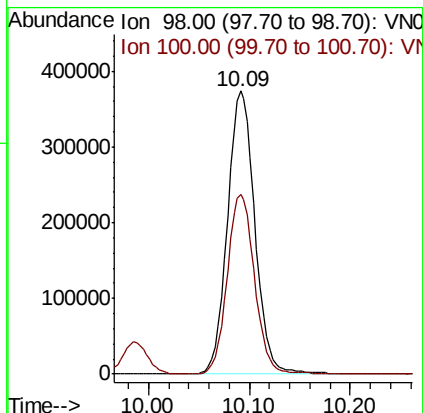
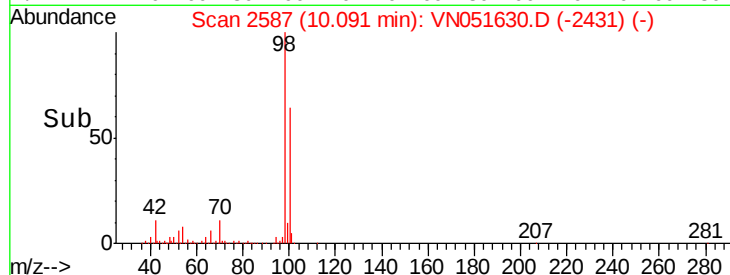
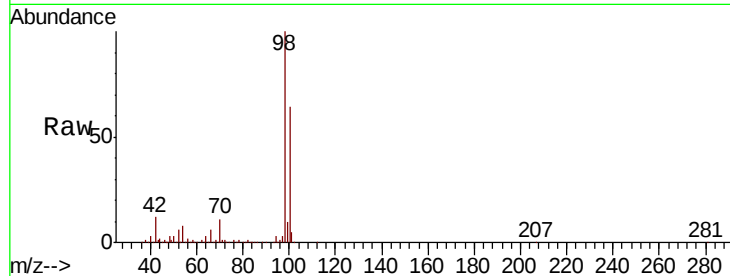
Ion Ratio Lower Upper

98 100

100 63.0 51.4 77.0

Manual Integrations
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#64

Chlorobenzene

Concen: 19.043 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051630.D

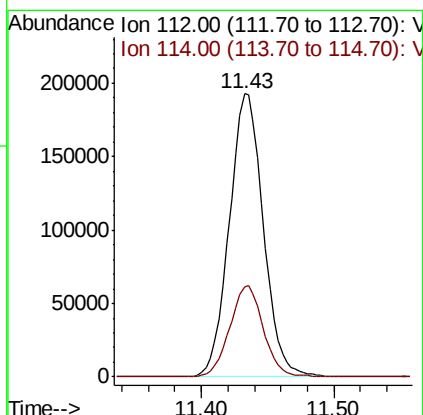
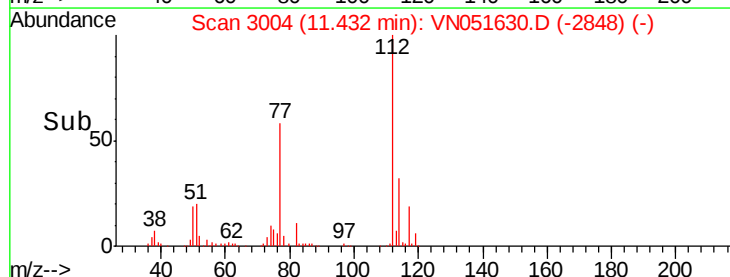
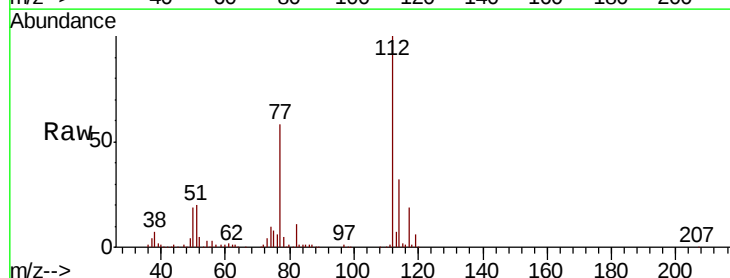
Acq: 1 Oct 2018 12:01

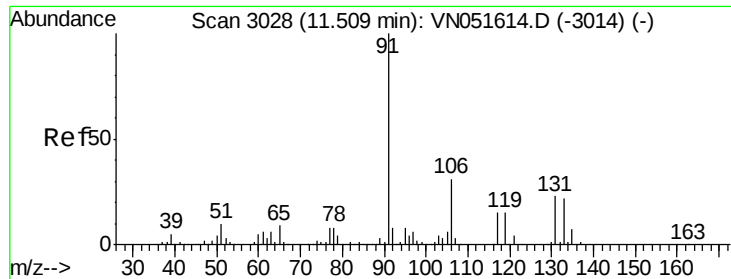
Tgt Ion: 112 Resp: 343367

Ion Ratio Lower Upper

112 100

114 32.0 25.9 38.9





#65

1,1,1,2-Tetrachloroethane

Concen: 20.009 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

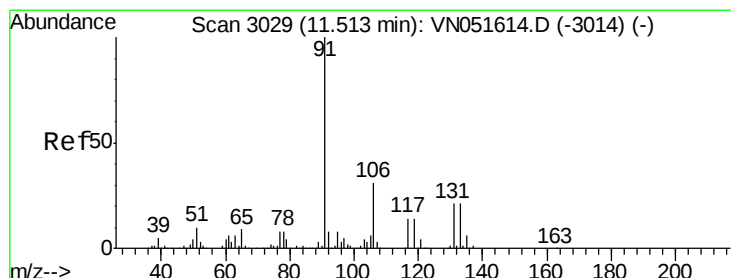
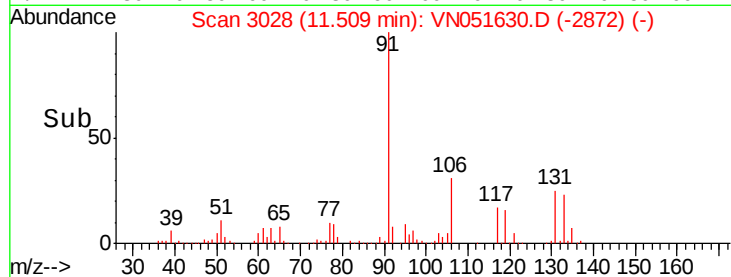
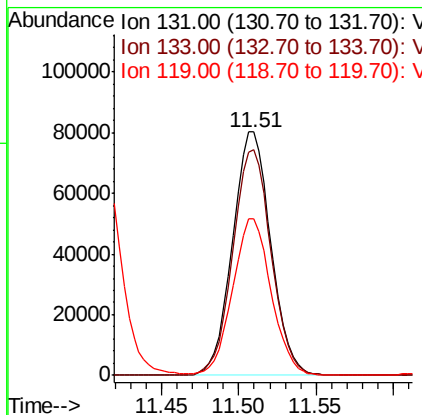
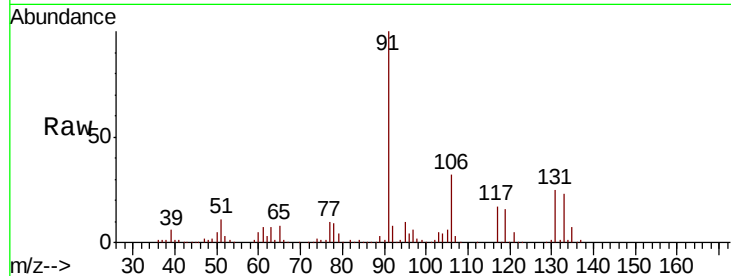
ClientSampled :

VN1001WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	137761		
133	93.0	0.0	193.0	
119	64.9	0.0	135.0	

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.339 ug/l

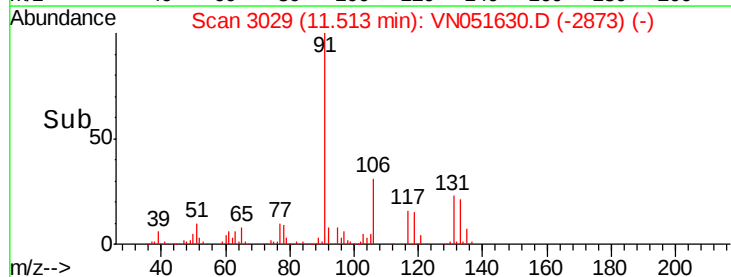
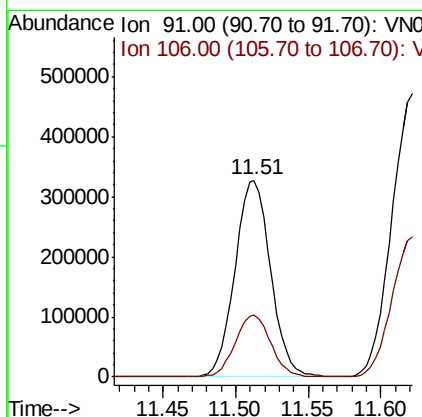
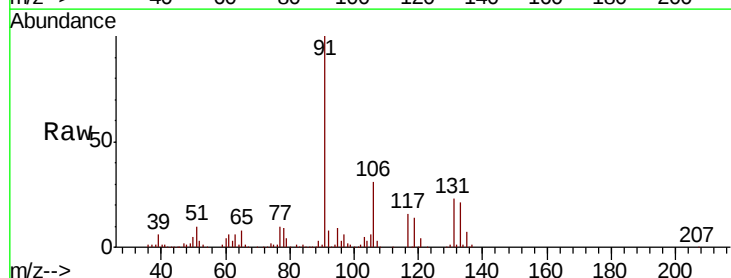
RT: 11.51 min Scan# 3029

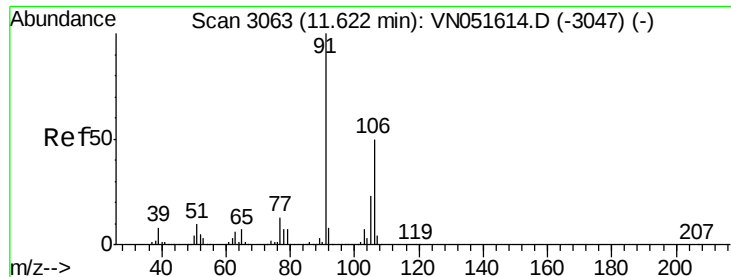
Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	559740		
106	31.4	25.0	37.4	





#67

m/p-Xylenes

Concen: 38.132 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VN1001WBSD01

Tot Ion:106 Resp: 448547

Ion Ratio Lower Upper

106 100

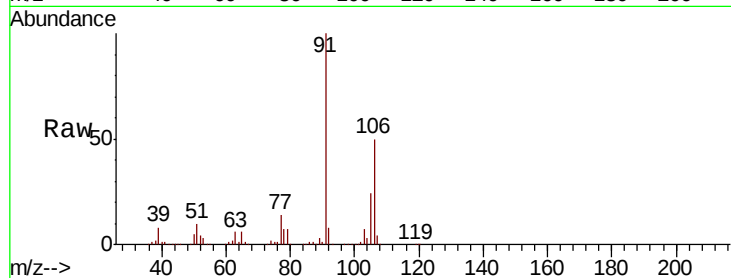
91 202.1 161.5 242.3

Manual Integrations

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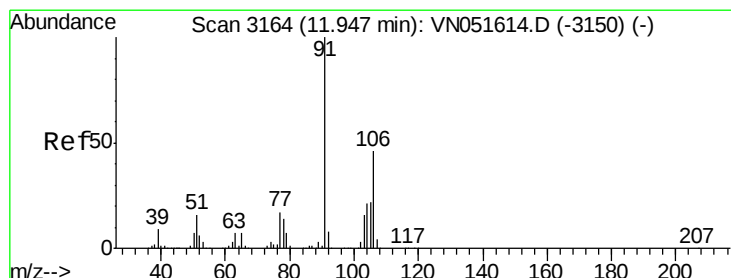
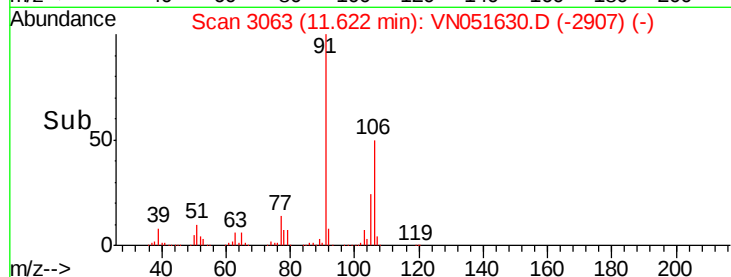
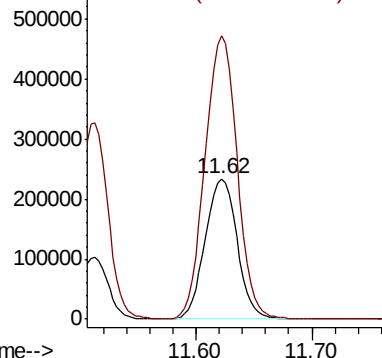
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 18.902 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051630.D

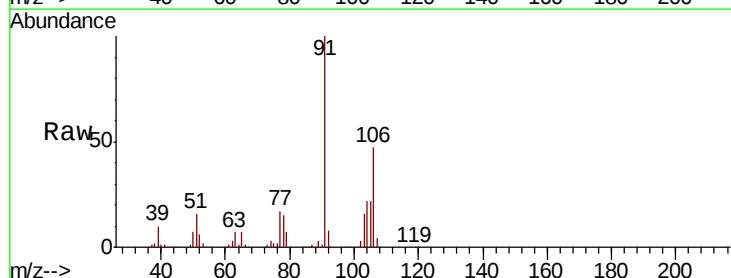
Acq: 1 Oct 2018 12:01

Tgt Ion:106 Resp: 212250

Ion Ratio Lower Upper

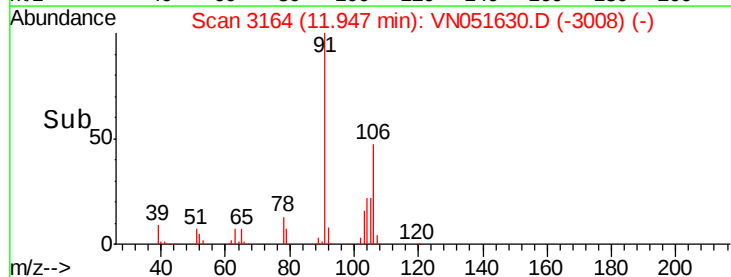
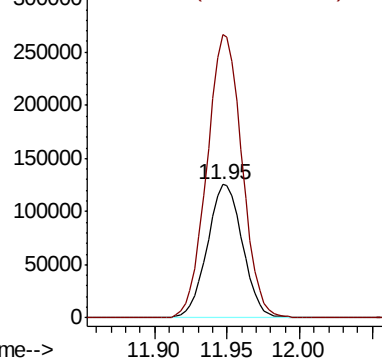
106 100

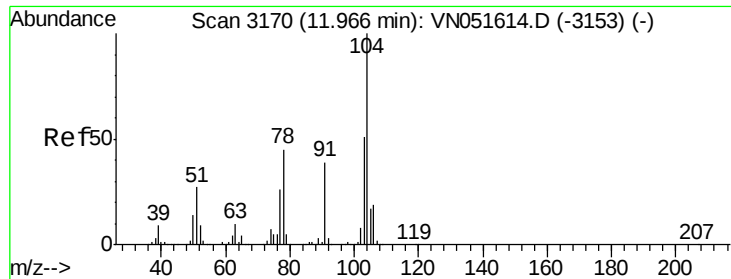
91 211.0 109.7 329.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





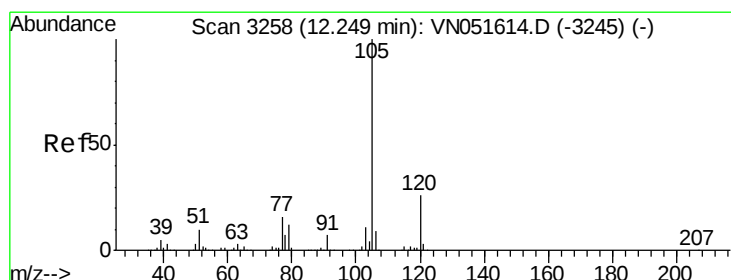
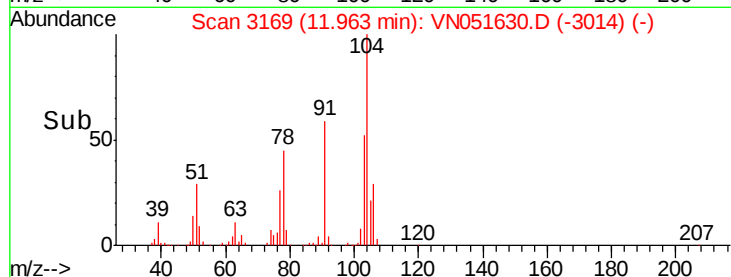
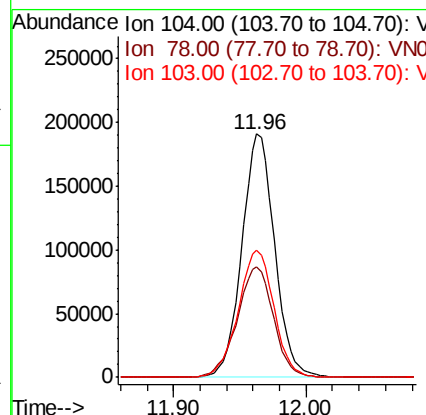
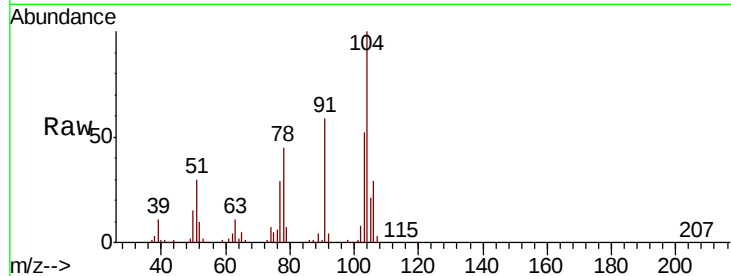
#69
Stvrene
Concen: 18.600 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		327818		
78	50.3	40.3		60.5	
103	56.9	45.7		68.5	

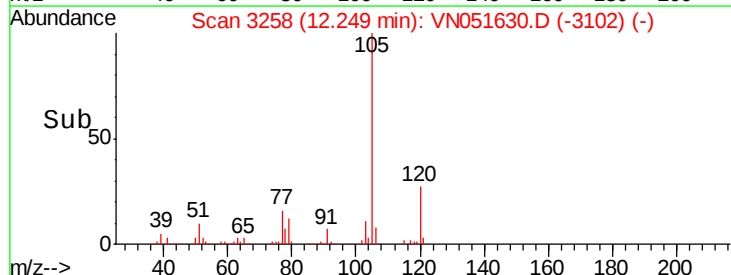
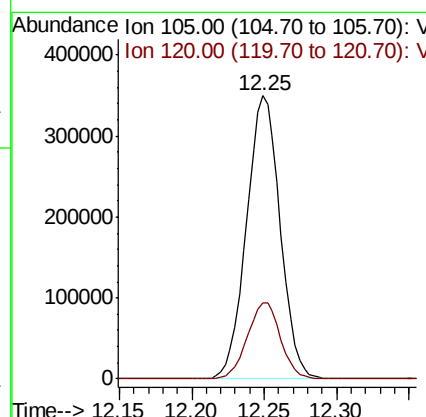
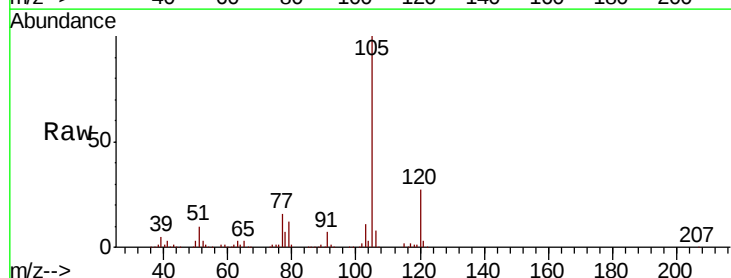
Manual Integrations
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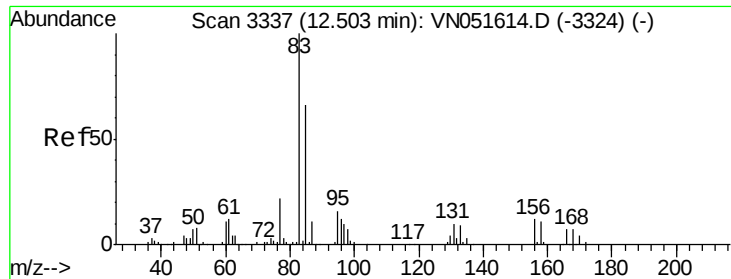
MMDadoda
10/2/2018 3:03:55 PM



#70
Isopropylbenzene
Concen: 18.829 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		563980		
120	26.7	18.7		34.7	





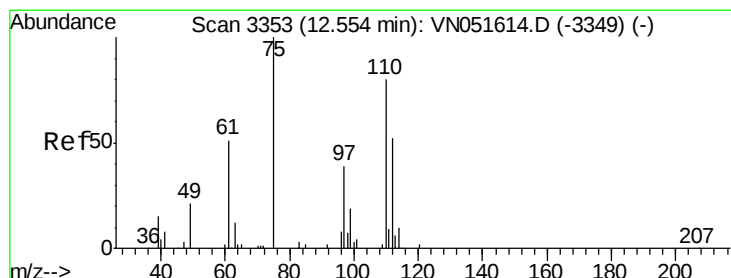
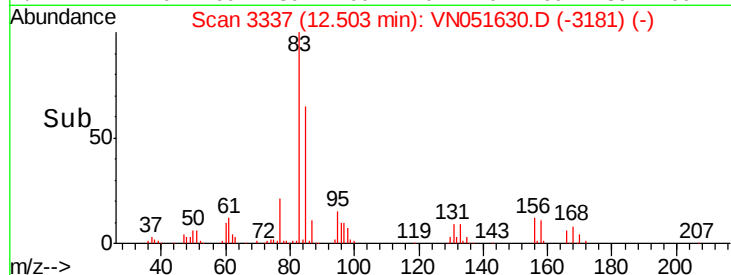
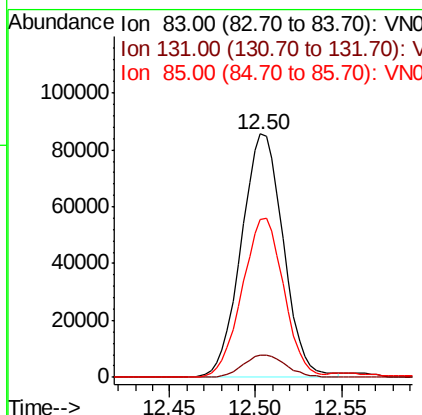
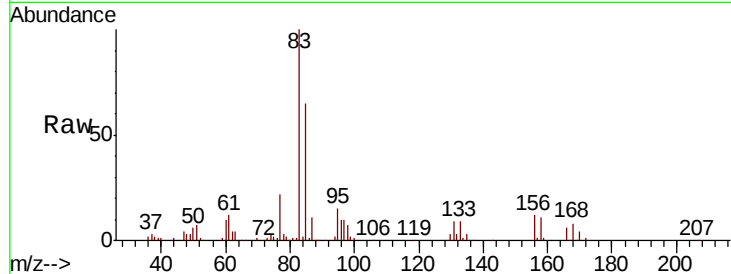
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.058 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion	83	131	85
Resp	145352	9.5	64.7
Lower		5.2	32.0
Upper		15.6	96.2

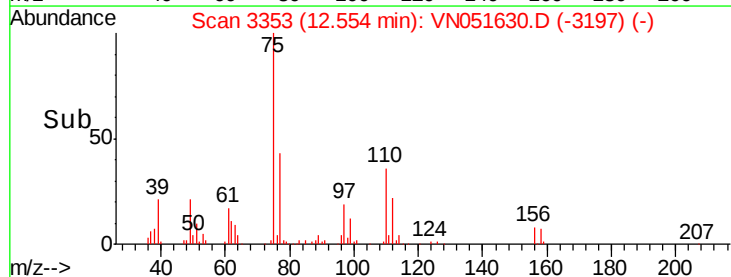
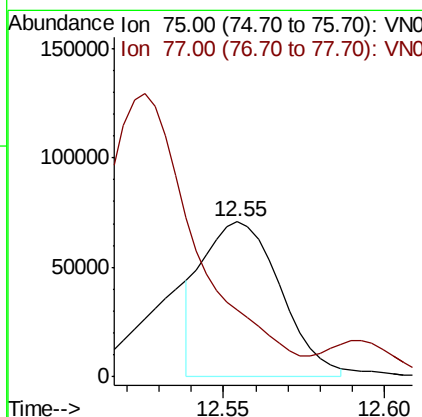
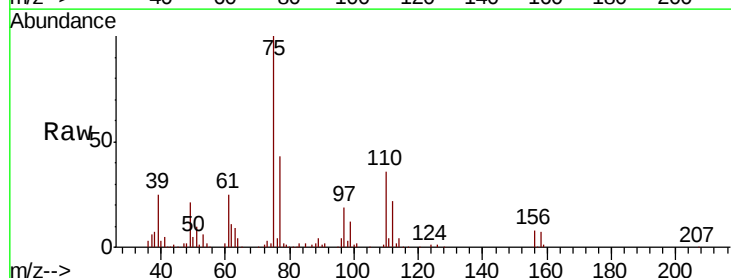
Manual Integrations
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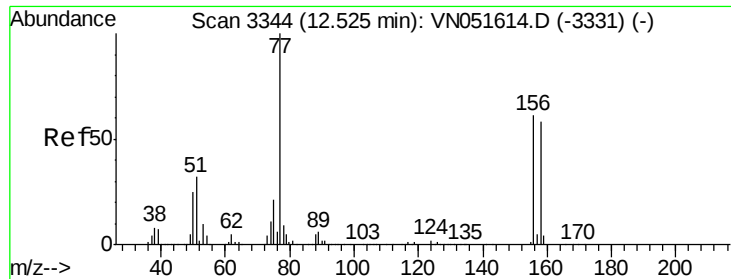
MMDadoda
 10/2/2018 3:03:55 PM



#72
 1,2,3-Trichloropropane
 Concen: 19.169 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion	75	77
Resp	118767	224.2
Lower		0.0
Upper		492.2





#73

Bromobenzene

Concen: 19.008 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

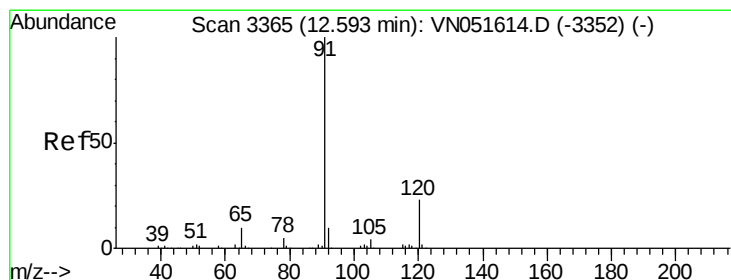
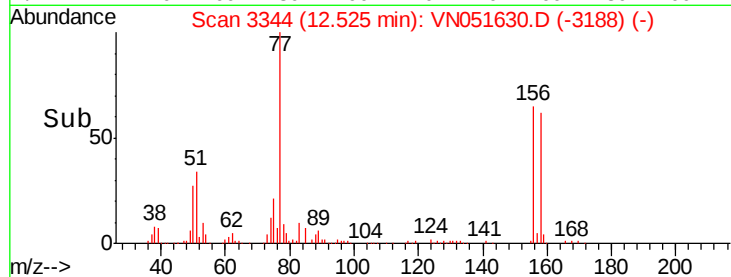
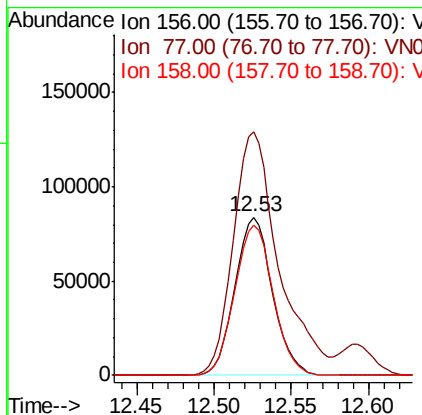
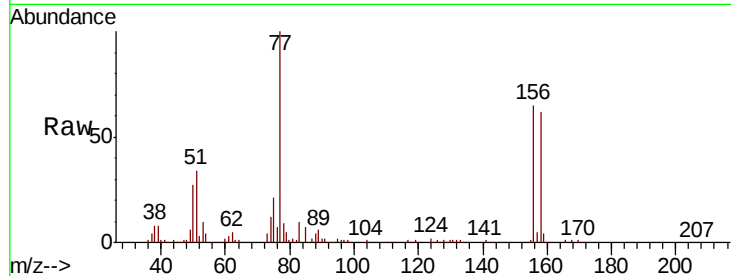
ClientSampleId :

VN1001WBSD01

Tot Ion:	156	Resp:	141685
Ion Ratio	Lower	Upper	
156	100		
77	188.0	0.0	385.2
158	97.1	0.0	195.6

Manual Integrations
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10/2/2018 3:03:55 PM



#74

n-propylbenzene

Concen: 18.401 ug/l

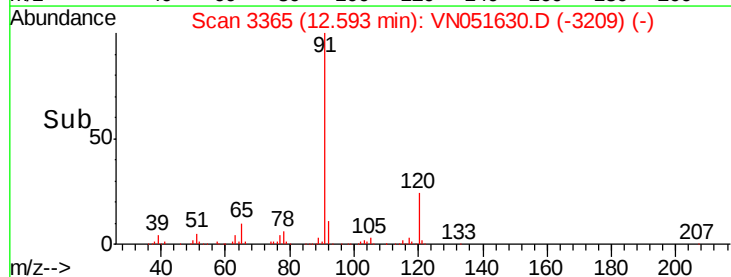
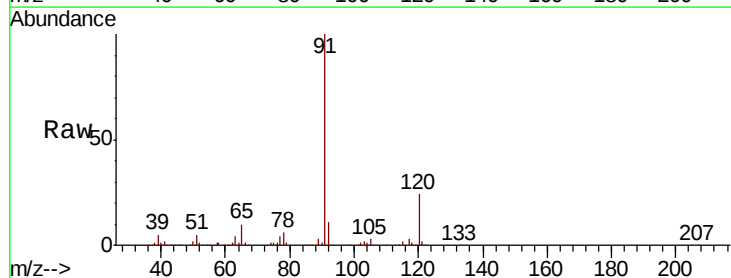
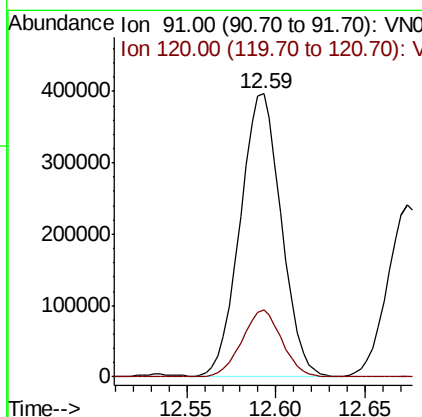
RT: 12.59 min Scan# 3365

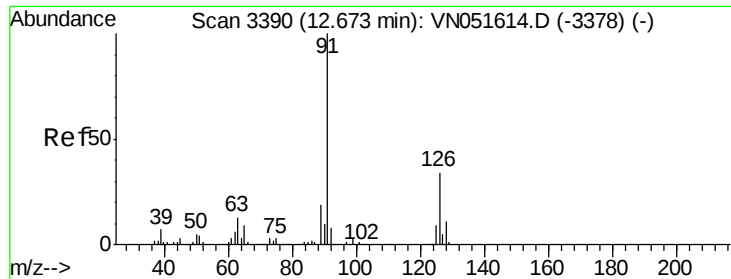
Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Tgt Ion:	91	Resp:	641621
Ion Ratio	Lower	Upper	
91	100		
120	22.9	0.0	45.4





#75

2-Chlorotoluene

Concen: 19.072 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VN1001WBSD01

Tot Ion: 91 Resp: 397106

Ion Ratio Lower Upper

91 100

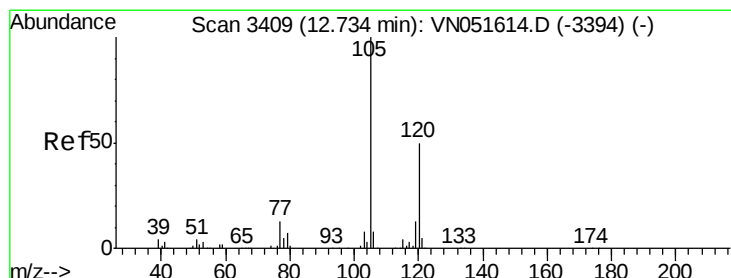
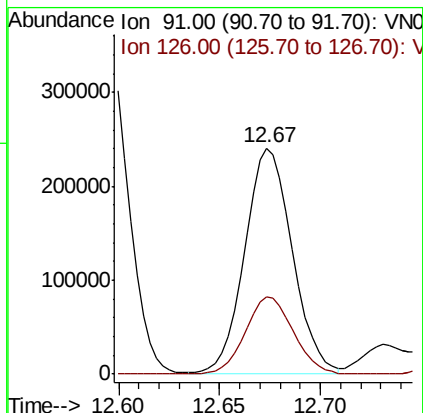
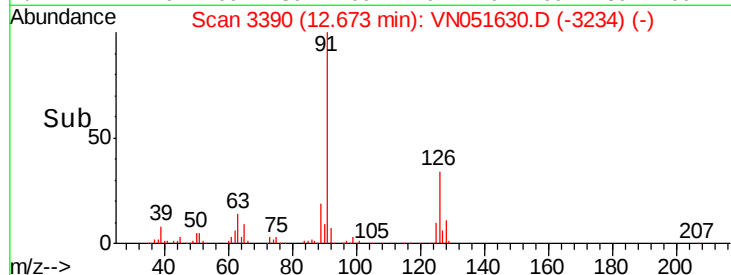
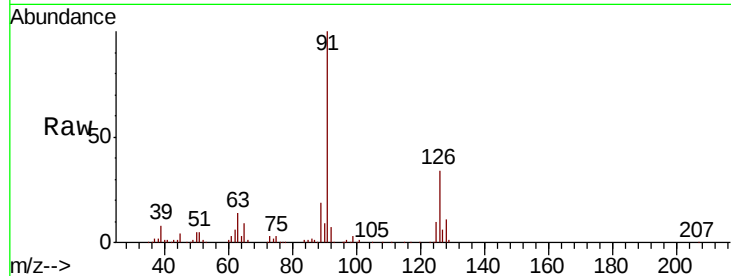
126 34.6 0.0 69.2

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#76

1,3,5-Trimethylbenzene

Concen: 19.136 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051630.D

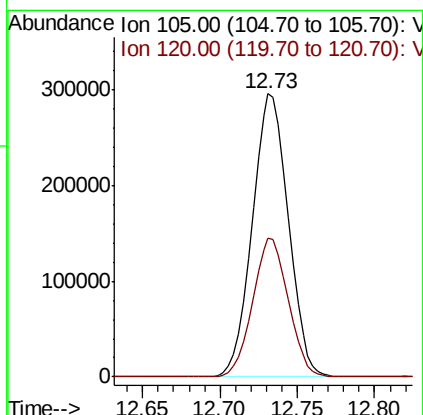
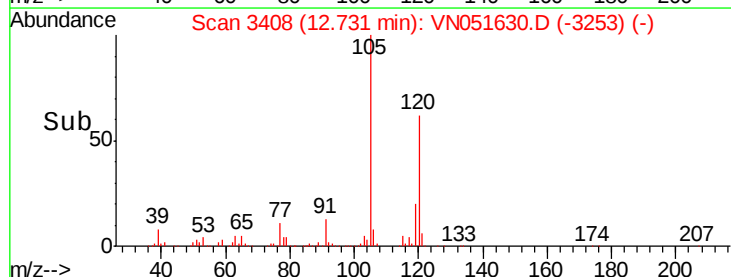
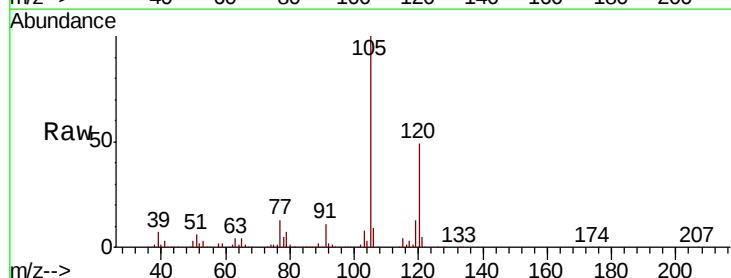
Acq: 1 Oct 2018 12:01

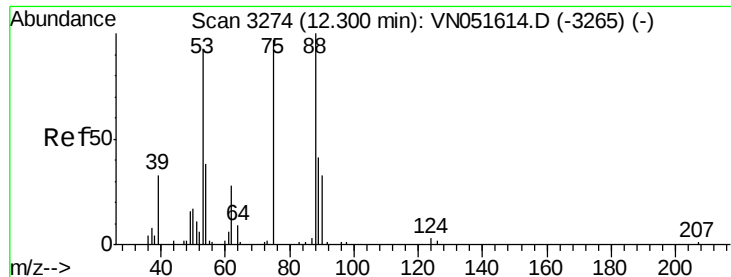
Tgt Ion: 105 Resp: 478938

Ion Ratio Lower Upper

105 100

120 48.6 0.0 99.8





#77

t-1,4-Dichloro-2-butene

Concen: 18.396 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

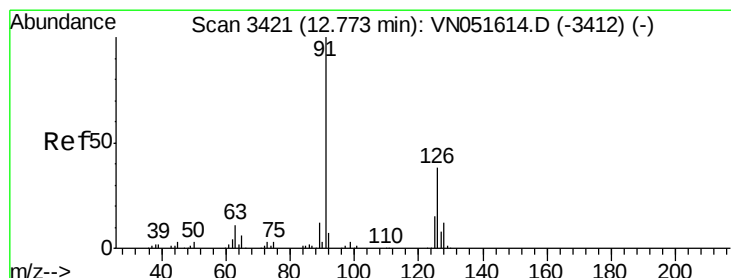
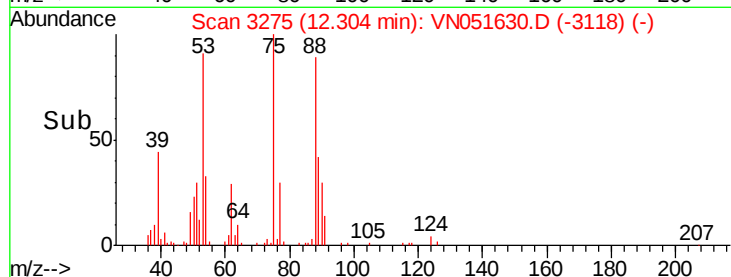
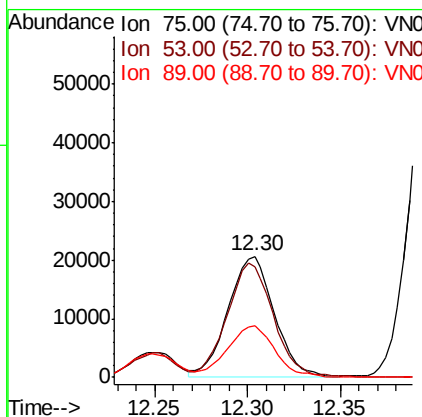
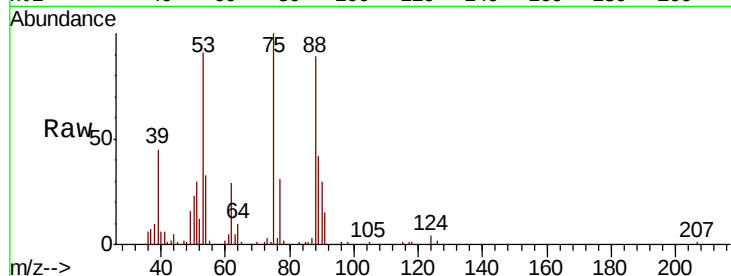
ClientSampleId :

VN1001WBSD01

Tot Ion:	75	Resp:	36097
Ion	Ratio	Lower	Upper
75	100		
53	90.8	48.1	144.4
89	42.6	22.4	67.3

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#78

4-Chlorotoluene

Concen: 18.446 ug/l

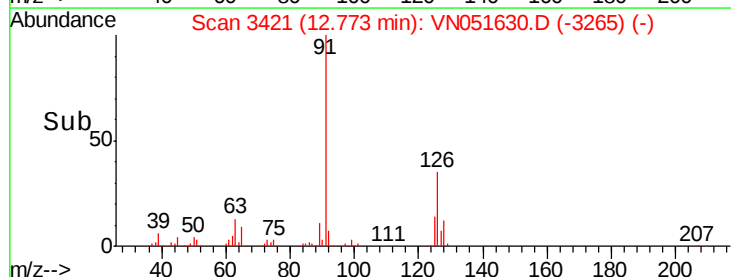
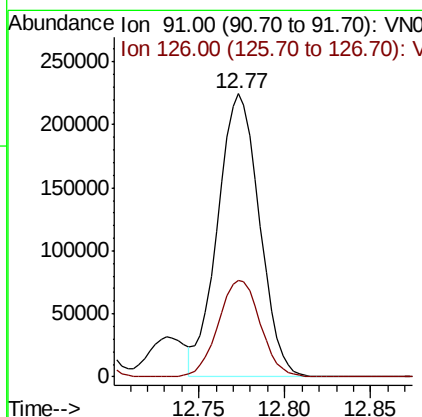
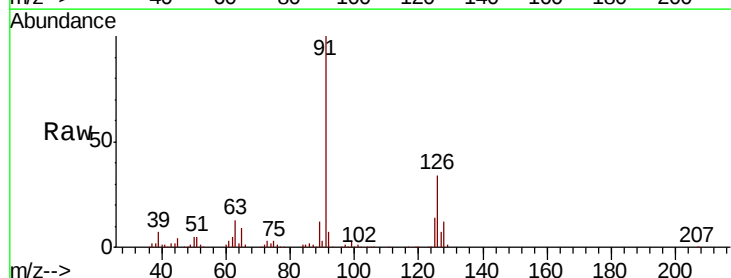
RT: 12.77 min Scan# 3421

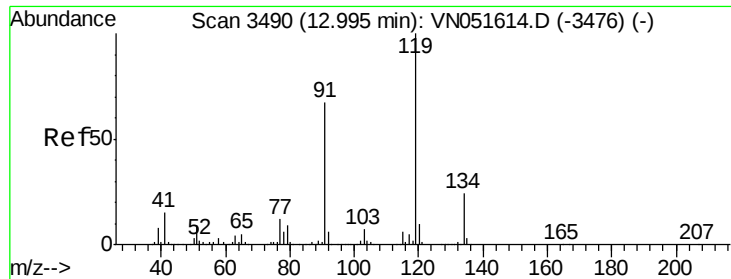
Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Tgt Ion:	91	Resp:	379400
Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	68.6





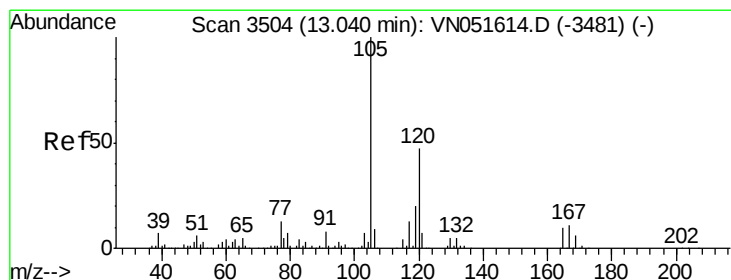
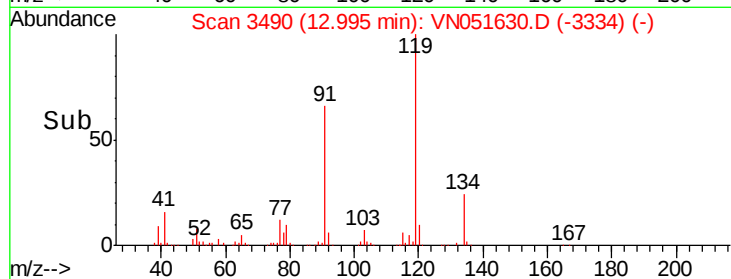
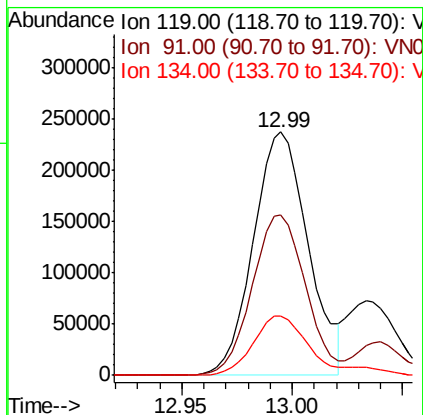
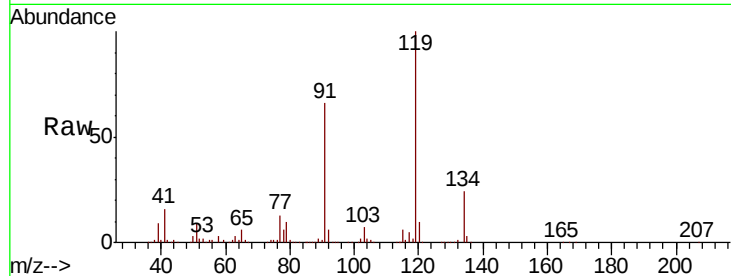
#79
tert-butylbenzene
Concen: 18.904 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	409904		
91	63.7		0.0	132.4
134	24.2		0.0	48.4

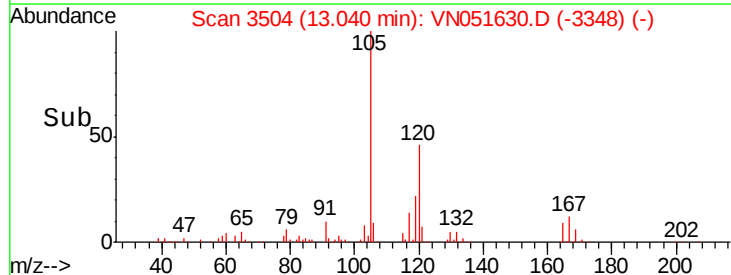
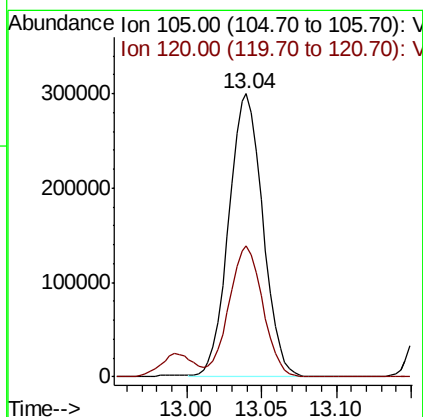
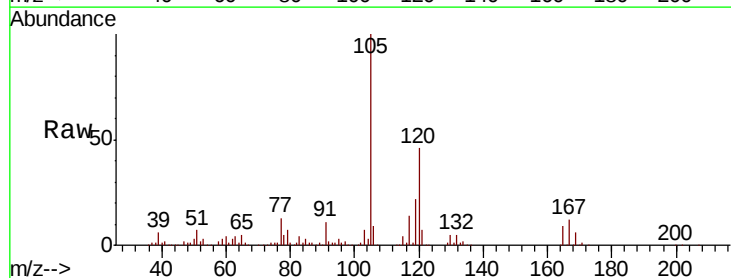
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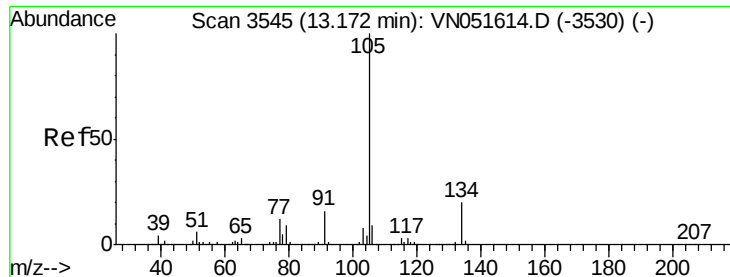
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 18.985 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	474600		
120	46.0		0.0	91.6





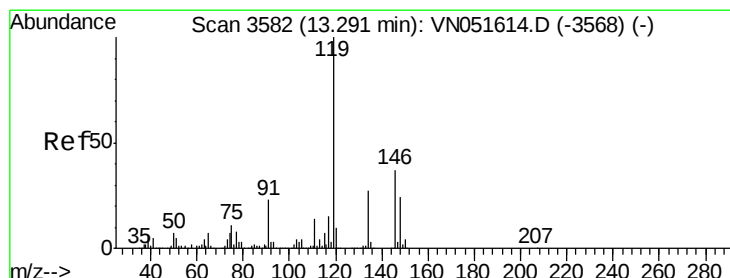
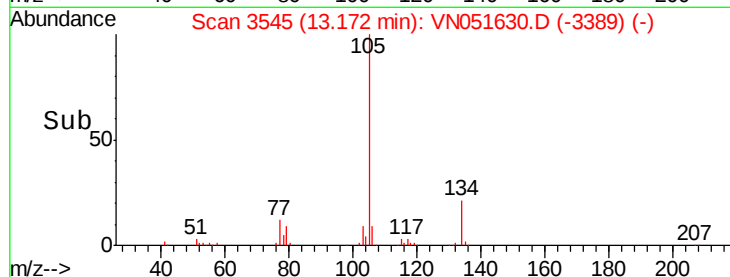
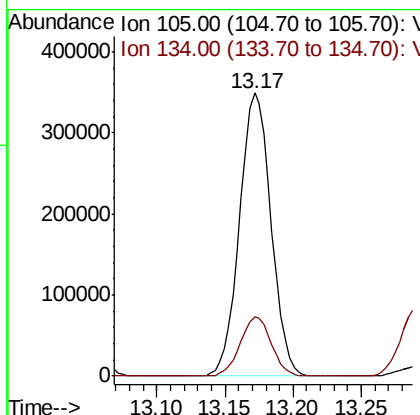
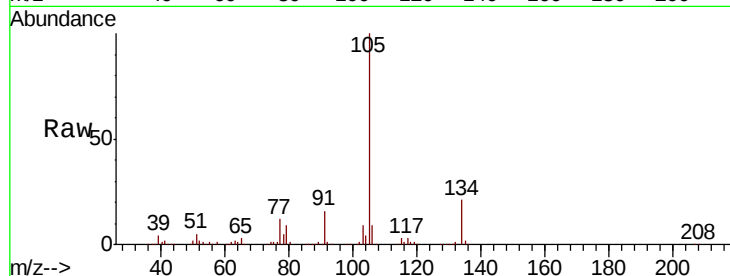
#81
 sec-Butylbenzene
 Concen: 18.631 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	558036		
134	20.6	0.0	39.8	

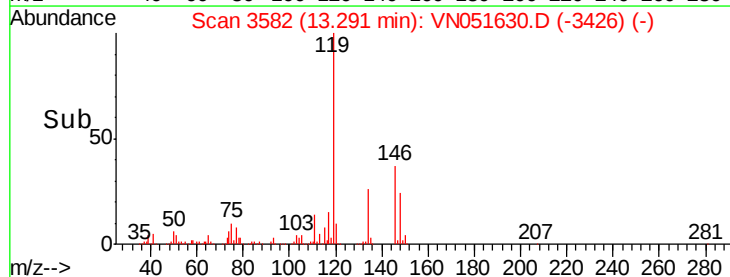
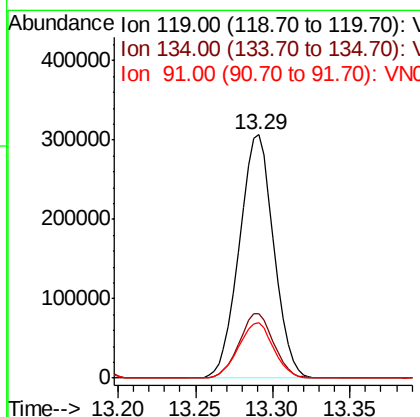
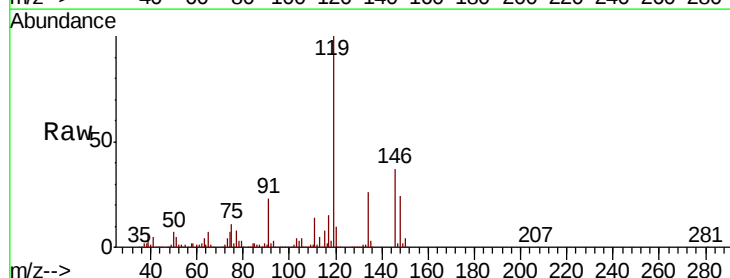
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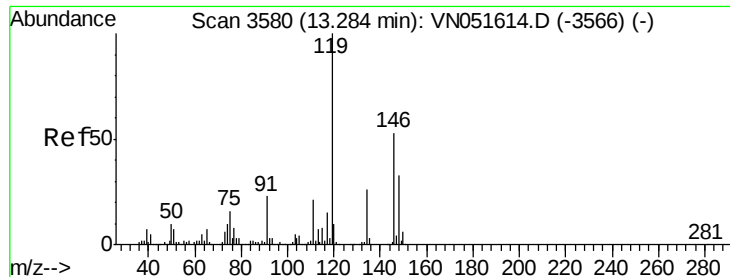
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#82
 p-Isopropyltoluene
 Concen: 18.535 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	474487		
134	26.6	0.0	52.0	
91	23.2	0.0	46.0	





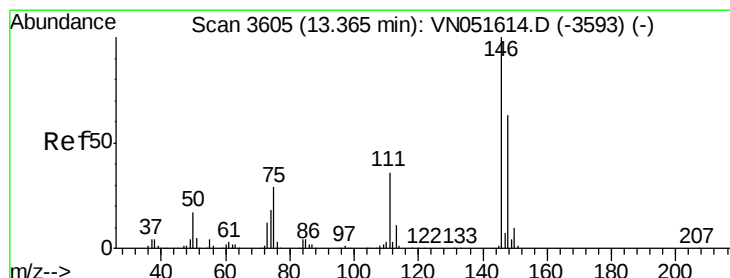
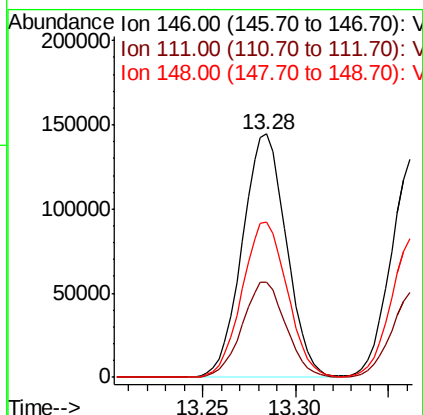
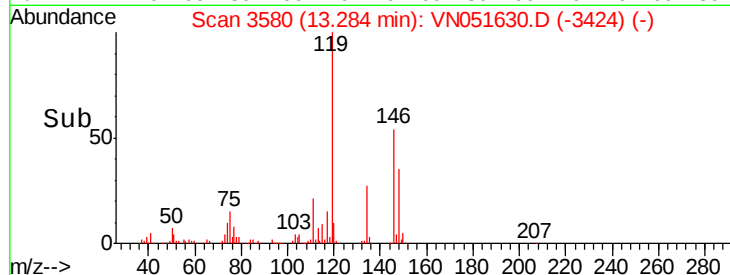
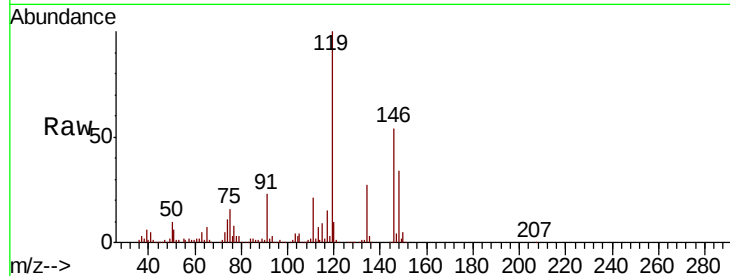
#83
 1,3-Dichlorobenzene
 Concen: 18.386 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	238808		
111	38.7	19.9	59.6	
148	65.3	32.4	97.2	

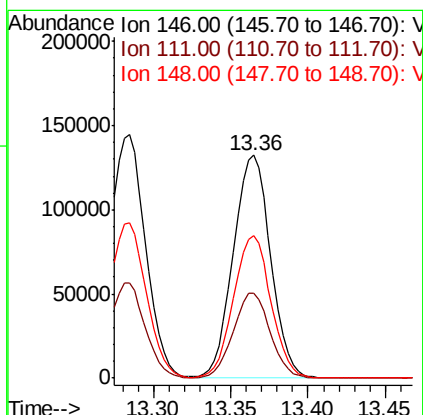
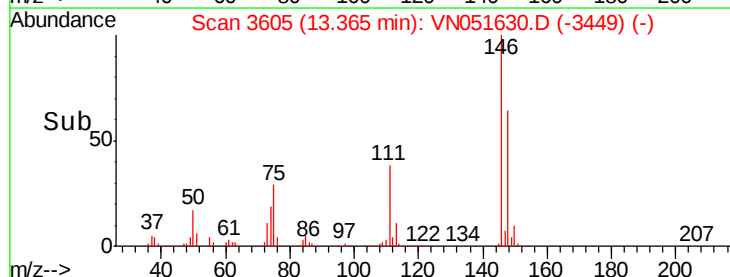
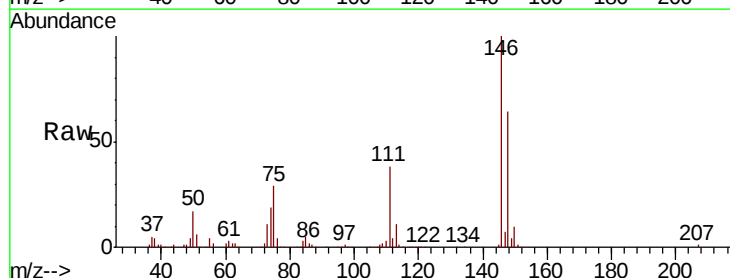
Manual Integrations
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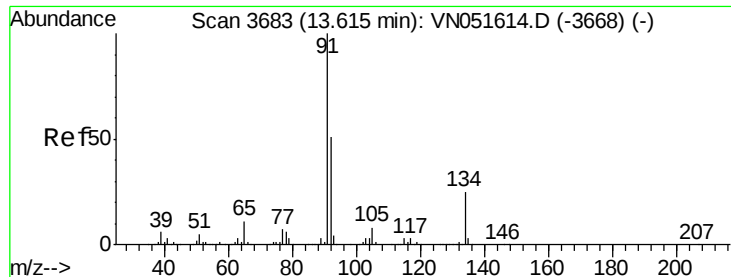
MMDadoda
 10/2/2018 3:03:55 PM



#84
 1,4-Dichlorobenzene
 Concen: 18.207 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	222291		
111	37.2	18.6	55.8	
148	63.9	32.1	96.5	





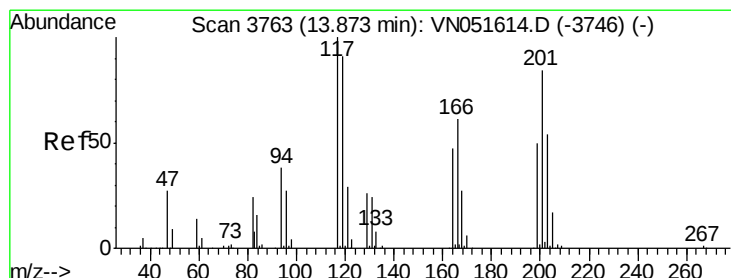
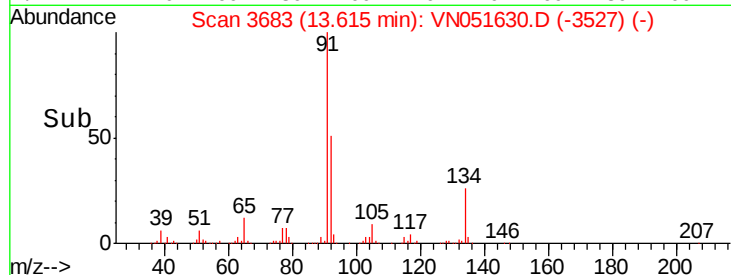
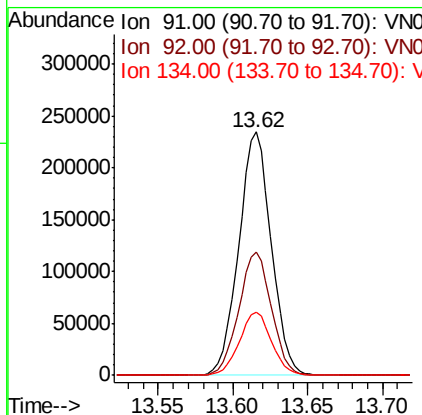
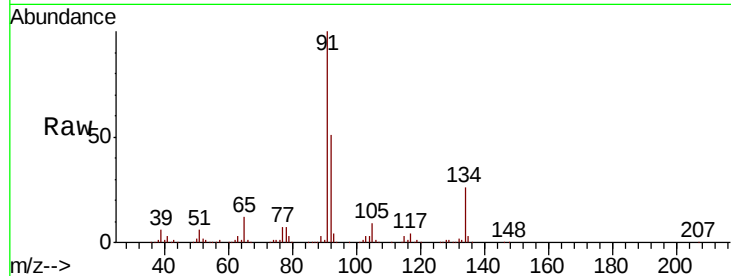
#85
n-Butylbenzene
Concen: 16.845 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	353953		
92	50.8		0.0	101.6
134	25.6		0.0	50.6

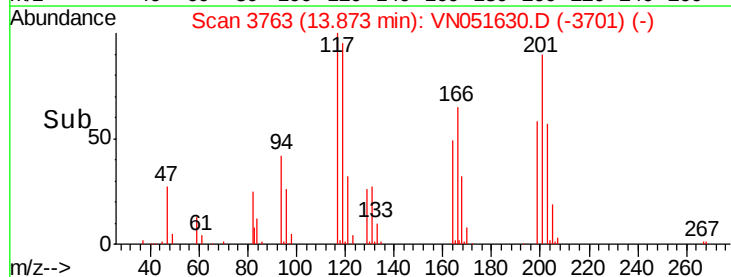
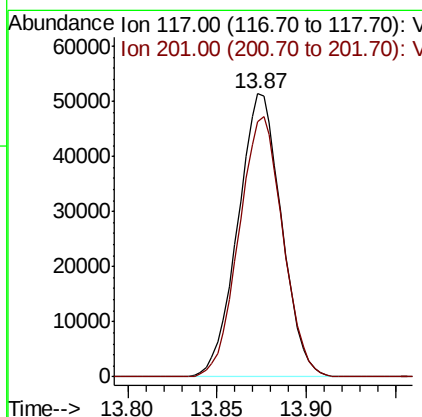
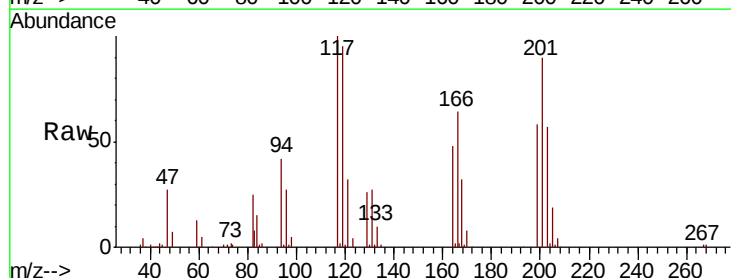
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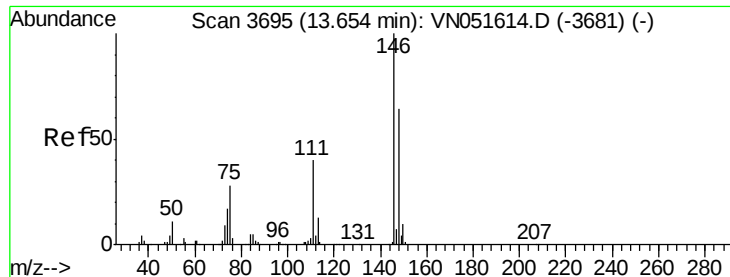
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#86
Hexachloroethane
Concen: 17.166 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	87893		
201	92.1		42.9	128.5





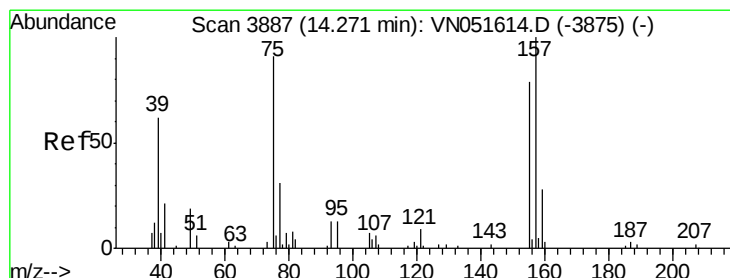
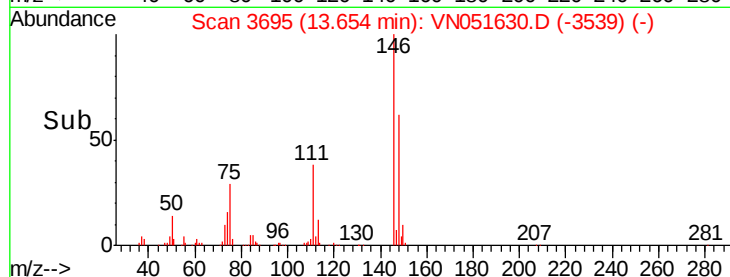
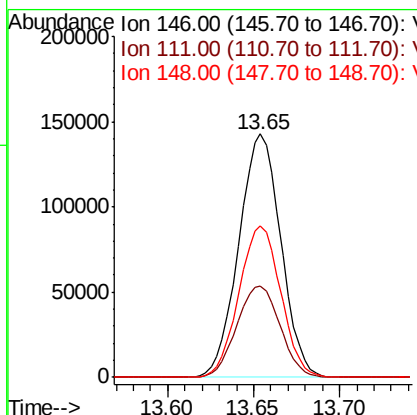
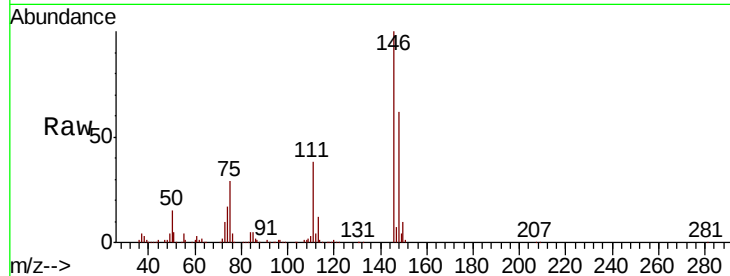
#87
 1,2-Dichlorobenzene
 Concen: 19.071 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion:	146	Resp:	242310
Ion Ratio	Lower	Upper	
146	100		
111	38.6	20.1	60.3
148	62.0	32.1	96.5

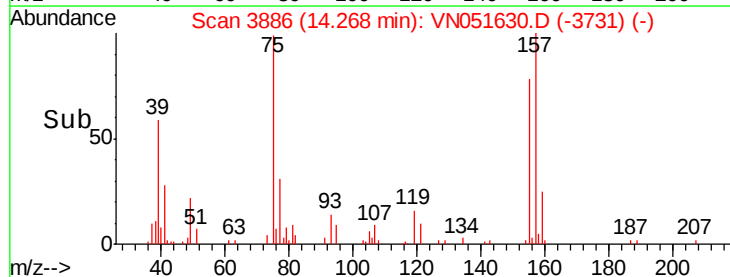
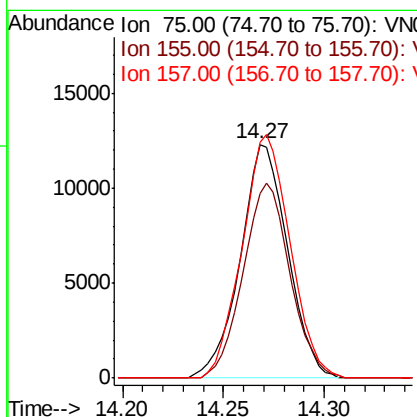
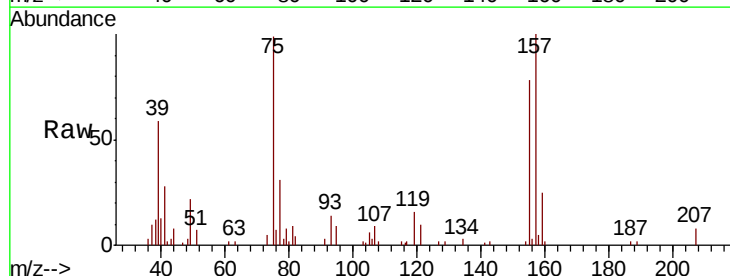
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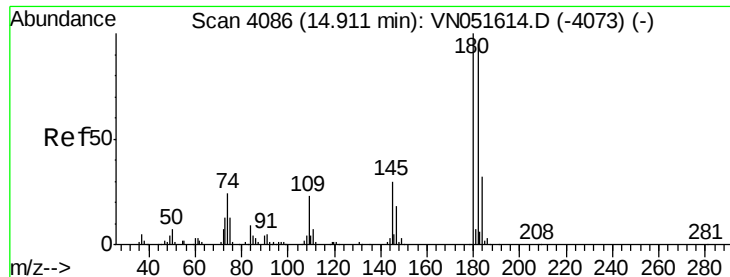
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.121 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion:	75	Resp:	20196
Ion Ratio	Lower	Upper	
75	100		
155	82.6	67.1	100.7
157	105.7	85.8	128.6





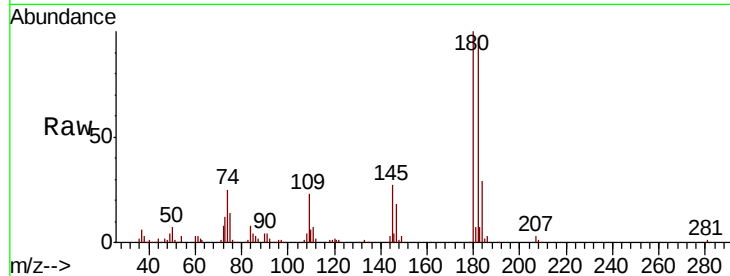
#89
 1,2,4-Trichlorobenzene
 Concen: 14.916 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

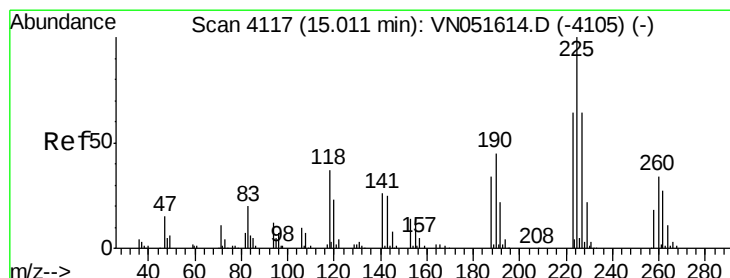
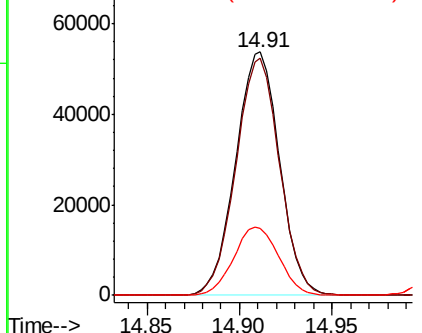
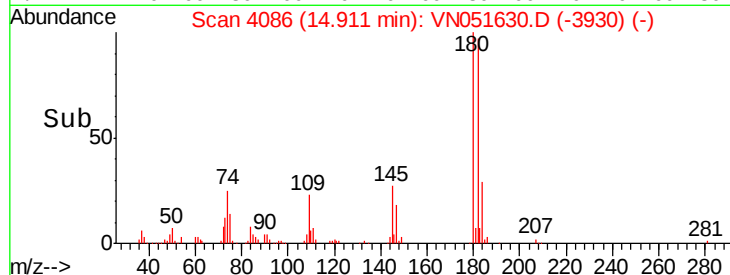
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.2	112.8
145	28.8	22.9	34.3

Manual Integrations
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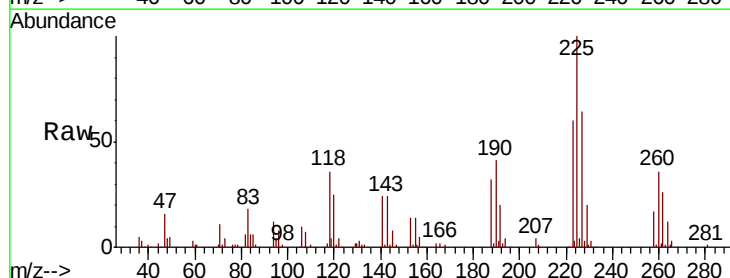


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

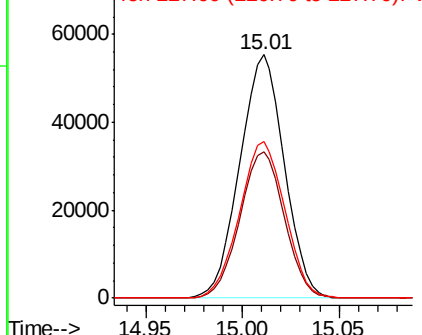
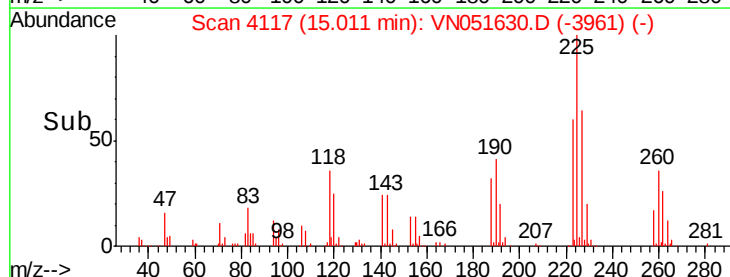


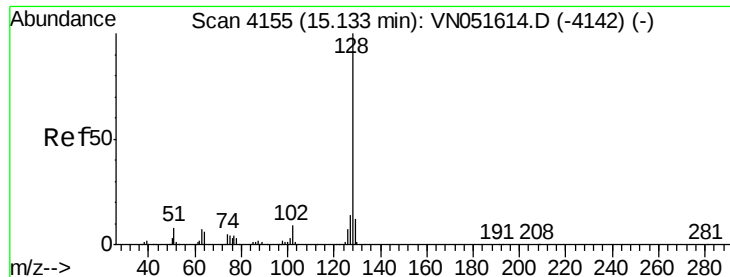
#90
 Hexachlorobutadiene
 Concen: 18.311 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.0	0.0	131.0
227	65.3	0.0	129.0



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





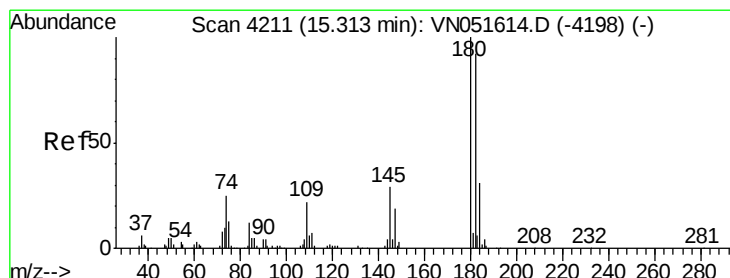
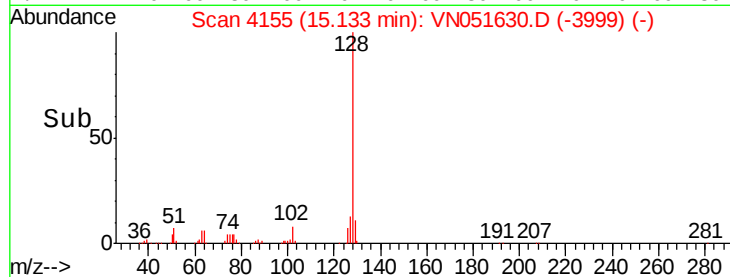
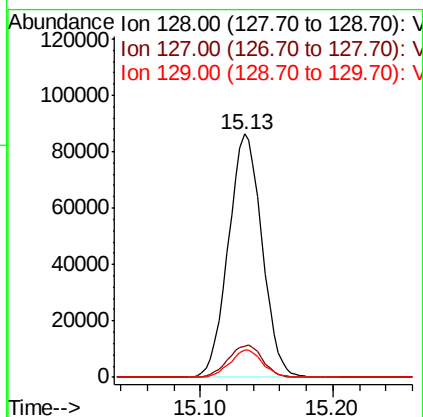
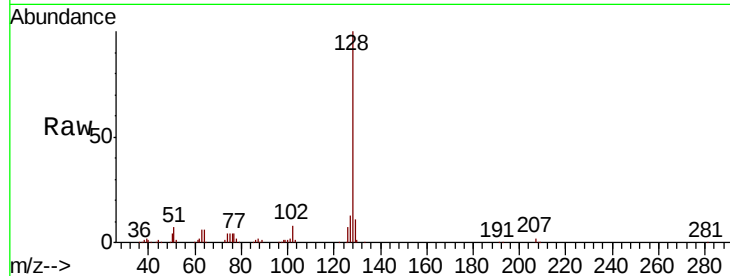
#91
Naphthalene
Concen: 16.973 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		152041		
127	13.3		10.8	16.2	
129	10.9		9.1	13.7	

Manual Integrations
APPROVED

MMDadoda
10/2/2018 3:03:55 PM



#92
1,2,3-Trichlorobenzene
Concen: 16.268 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		97301		
182	92.3		0.0	191.8	
145	29.3		0.0	60.4	

