

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051621.D
 Acq On : 28 Sep 2018 17:58
 Operator : MD\SY
 Sample : VN0928WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0928WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 5:27:45 PM

Quant Time: Sep 29 05:15:25 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	97294	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	510394	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	337593	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	210996	31.15	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.83%
60) 4-Bromofluorobenzene	12.40	95	153103	29.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.30%
63) Toluene-d8	10.09	98	638667	40.10	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	133.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	189692	22.216 ug/l	99
3) Chloromethane	2.06	50	212814	22.273 ug/l	100
4) Vinyl Chloride	2.18	62	200603	21.401 ug/l	96
5) Bromomethane	2.57	94	109378	22.465 ug/l	100
6) Chloroethane	2.70	64	89087	18.945 ug/l	97
7) Trichlorofluoromethane	3.02	101	232438	20.296 ug/l	99
8) Diethyl Ether	3.41	74	70770	19.674 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	100702	15.556 ug/l	97
10) 1,1-Dichloroethene	3.74	96	88885	15.130 ug/l	98
11) Methyl Iodide	3.95	142	109890	14.531 ug/l	94
12) Methyl Acetate	4.33	43	55033	10.614 ug/l #	82
13) Acrolein	3.61	56	38317	66.892 ug/l	94
14) Acrylonitrile	4.99	53	120233	57.904 ug/l	99
15) Acetone	3.82	58	34806	63.932 ug/l	100
16) Carbon Disulfide	4.05	76	223568	11.809 ug/l	99
17) Allyl chloride	4.33	41	110656	10.530 ug/l	91
18) Methylene Chloride	4.55	84	85142	12.606 ug/l	92
19) trans-1,2-Dichloroethene	5.04	96	81191	13.019 ug/l	92
20) Diisopropyl ether	5.96	45	229393	11.003 ug/l	96
21) 1,1-Dichloroethane	5.85	63	149287	12.082 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	110902	16.283 ug/l	95
23) tert-Butyl Alcohol	4.79	59	28087m	70.716 ug/l	
24) Methyl tert-Butyl Ether	5.05	73	209621	13.577 ug/l #	83
25) Chloroform	7.37	83	223817	18.945 ug/l	98
26) Cyclohexane	7.66	56	185069m	17.308 ug/l	
29) 1,1-Dichloropropene	7.79	75	163374	18.772 ug/l	100
30) 2-Butanone	6.84	43	176167	74.372 ug/l #	95
31) 2,2-Dichloropropane	6.83	77	161062	17.147 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	193766	19.815 ug/l	97
33) Carbon Tetrachloride	7.78	117	175221	19.936 ug/l	97
34) Benzene	8.04	78	531447	20.582 ug/l	98
35) Methacrylonitrile	7.18	41	36626m	13.753 ug/l	
36) 1,2-Dichloroethane	8.13	62	175134	21.279 ug/l	99
37) Trichloroethene	8.84	130	134451	20.281 ug/l	98
38) Methylcyclohexane	9.08	83	181351	18.058 ug/l	95
39) 1,2-Dichloropropane	9.12	63	132904	18.784 ug/l	99
40) Dibromomethane	9.21	93	78038	19.855 ug/l	96

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 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)
41) Bromodichloromethane	9.40	83	171573	19.999	ug/l	97
42) Vinyl Acetate	5.90	43	759771	57.615	ug/l	96
43) Ethyl Acetate	6.93	43	65495	13.063	ug/l #	91
44) Isopropyl Acetate	8.17	43	182817	18.622	ug/l	99
45) 1,4-Dioxane	9.20	88	21872	411.857	ug/l	96
46) Methyl methacrylate	9.20	41	81080	17.754	ug/l	94
47) n-amyl Acetate	12.07	43	88088	11.992	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	146032	17.055	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	194749	19.454	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	96569	17.386	ug/l	97
51) Ethyl methacrylate	10.43	69	115883	17.196	ug/l	97
52) 1,3-Dichloropropane	10.71	76	139969	14.697	ug/l	97
53) Dibromochloromethane	10.90	129	96186	15.205	ug/l	99
54) 1,2-Dibromoethane	11.01	107	76985	14.445	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	288144	86.506	ug/l	98
56) Bromoform	12.13	173	67842	16.162	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	467983	122.096	ug/l	99
59) 2-Hexanone	10.75	43	220049	87.267	ug/l	94
61) Tetrachloroethene	10.63	164	109138	22.834	ug/l	97
62) Toluene	10.16	91	529003	25.555	ug/l	100
64) Chlorobenzene	11.44	112	242684	19.390	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	97633	20.429	ug/l	97
66) Ethyl Benzene	11.51	91	395123	18.650	ug/l	98
67) m/p-Xylenes	11.62	106	314657	38.537	ug/l	99
68) o-Xylene	11.95	106	154721	19.850	ug/l	93
69) Styrene	11.96	104	237830	19.440	ug/l	99
70) Isopropylbenzene	12.25	105	411484	19.791	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	92488	18.387	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	80933m	18.819	ug/l	
73) Bromobenzene	12.53	156	108361	20.943	ug/l	86
74) n-propylbenzene	12.59	91	450940	18.631	ug/l	97
75) 2-Chlorotoluene	12.67	91	275943	19.092	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	352463	20.288	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	23646	17.360	ug/l	97
78) 4-Chlorotoluene	12.77	91	272000	19.052	ug/l	98
79) tert-butylbenzene	12.99	119	307927	20.459	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	352151	20.294	ug/l	98
81) sec-Butylbenzene	13.17	105	404524	19.457	ug/l	98
82) p-Isopropyltoluene	13.29	119	360171	20.269	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	187714	20.820	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	175047	20.655	ug/l	99
85) n-Butylbenzene	13.62	91	259241	17.774	ug/l	98
86) Hexachloroethane	13.88	117	67277	18.929	ug/l	82
87) 1,2-Dichlorobenzene	13.65	146	180756	20.495	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14458	19.720	ug/l	85
89) 1,2,4-Trichlorobenzene	14.91	180	88648	21.475	ug/l	98
90) Hexachlorobutadiene	15.01	225	78835	23.425	ug/l	98
91) Naphthalene	15.13	128	162073	21.634	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	83034	20.000	ug/l	99

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ClientSampleId :
VN0928WBSD01

Manual Integrations
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QLast Update : Sat Sep 29 01:07:29 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

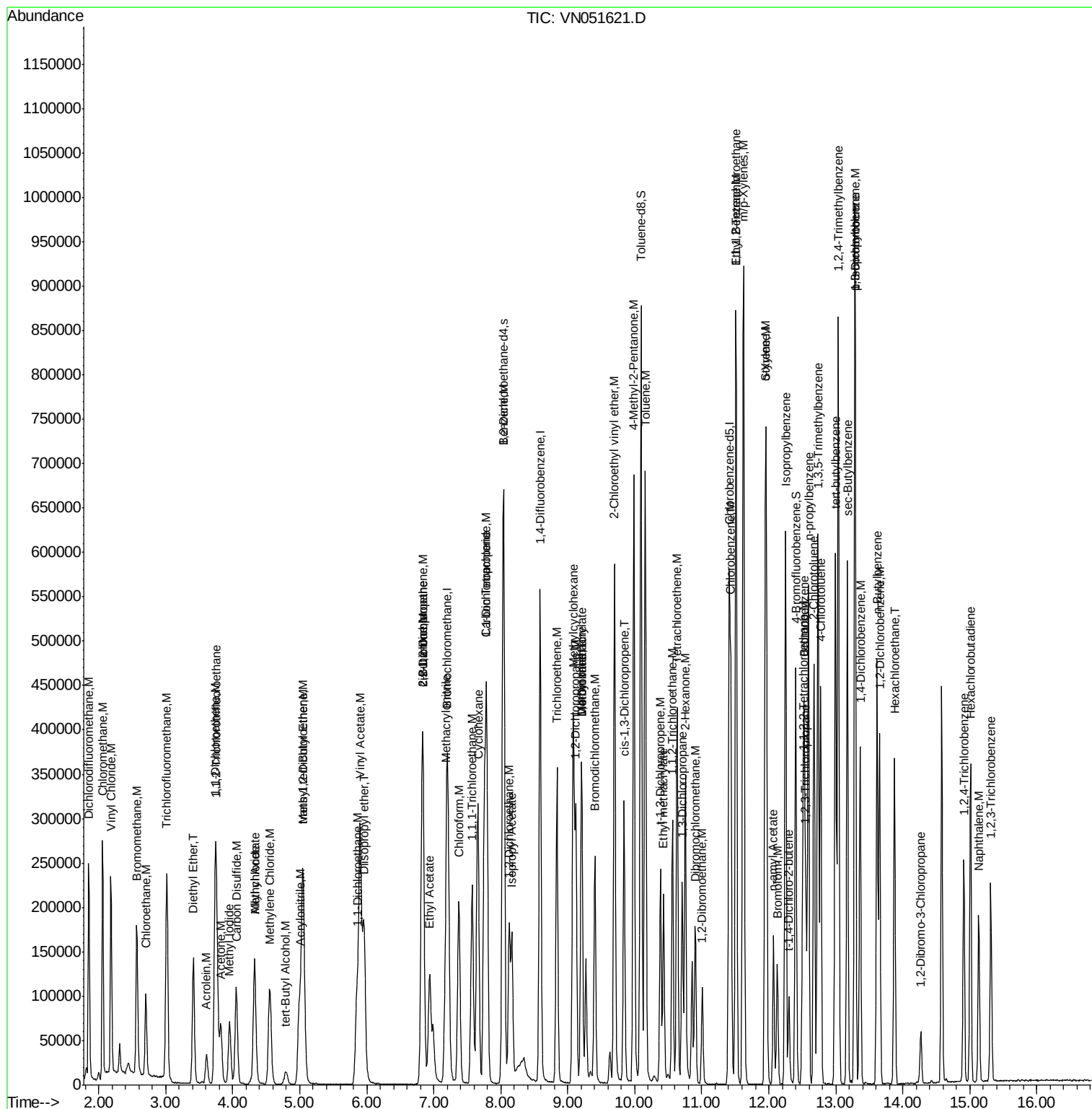
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051621.D
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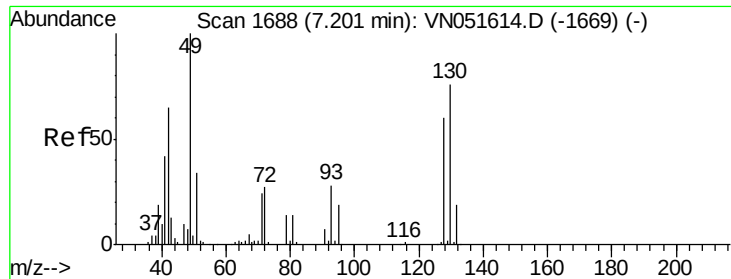
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Manual Integrations
 APPROVED

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Quant Time: Sep 29 05:15:25 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

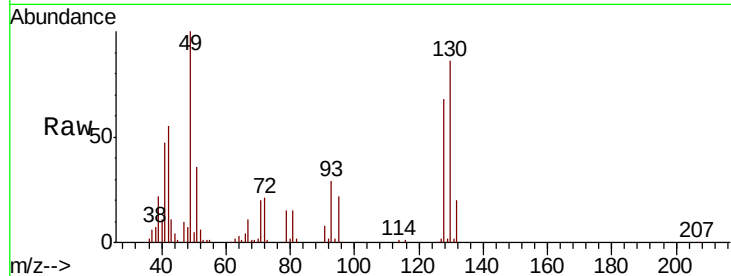
ClientSampled :

VN0928WBSD01

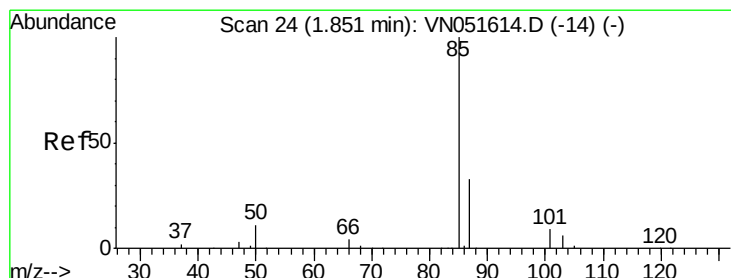
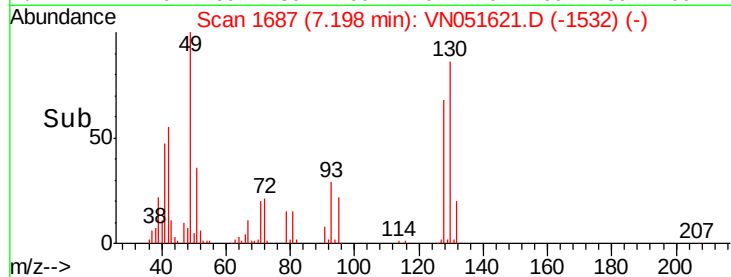
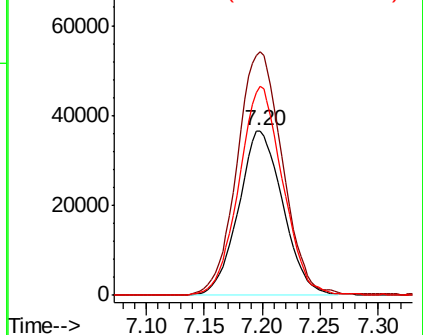
Tot Ion:	128	Resp:	97294
Ion	Ratio	Lower	Upper
128	100		
49	152.2	0.0	426.8
130	125.5	0.0	326.3

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: 22.216 ug/l

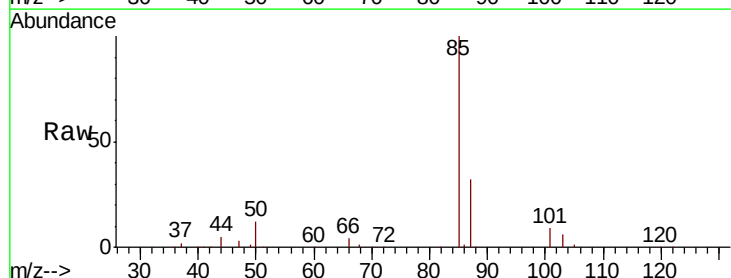
RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

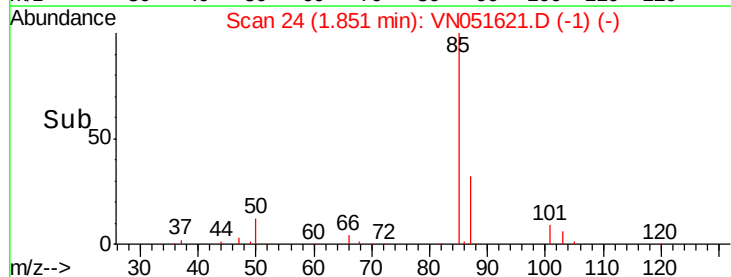
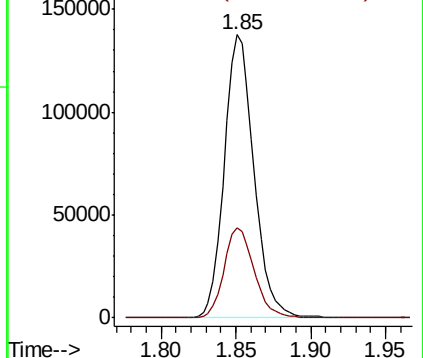
Lab File: VN051621.D

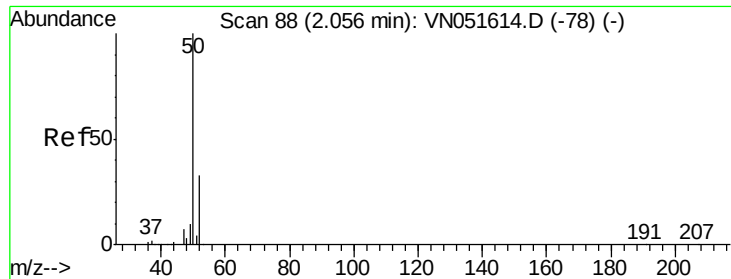
Acq: 28 Sep 2018 17:58

Tgt Ion:	85	Resp:	189692
Ion	Ratio	Lower	Upper
85	100		
87	32.0	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: 22.273 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

ClientSampled :

VN0928WBSD01

Tot Ion: 50 Resp: 212814

Ion Ratio Lower Upper

50 100

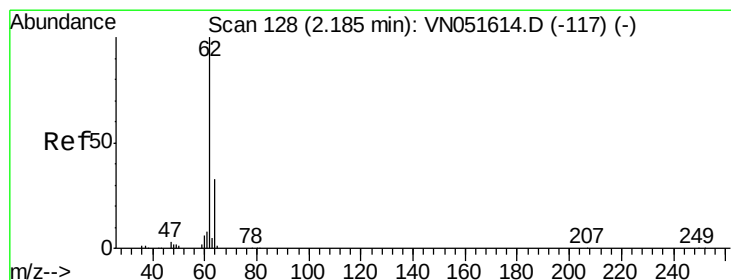
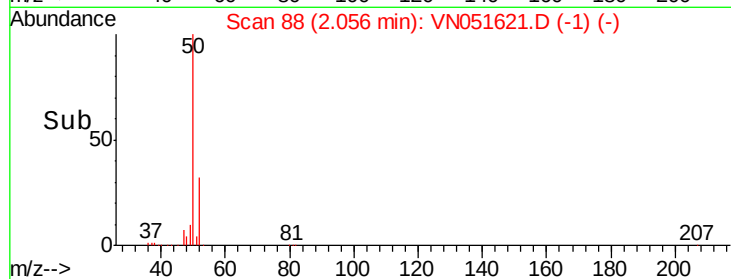
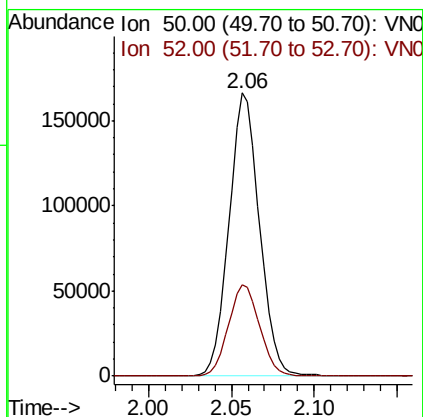
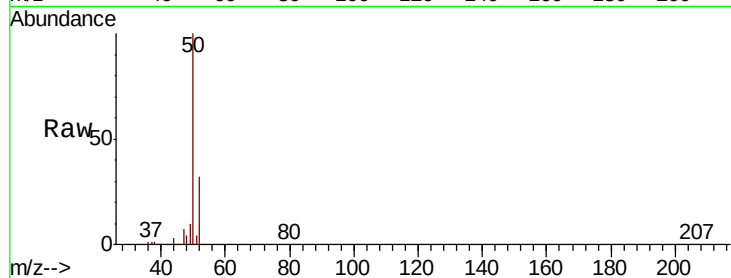
52 32.4 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.401 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051621.D

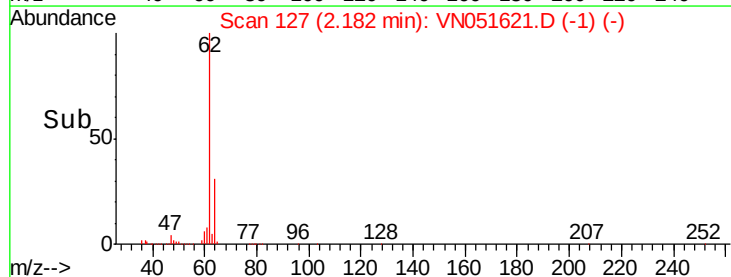
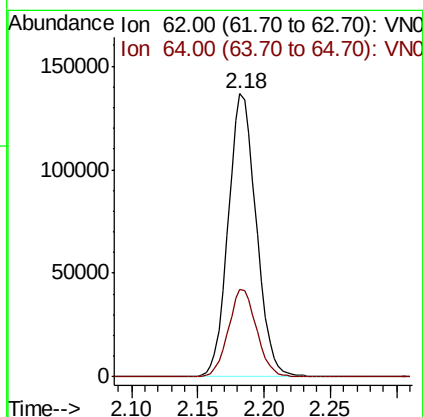
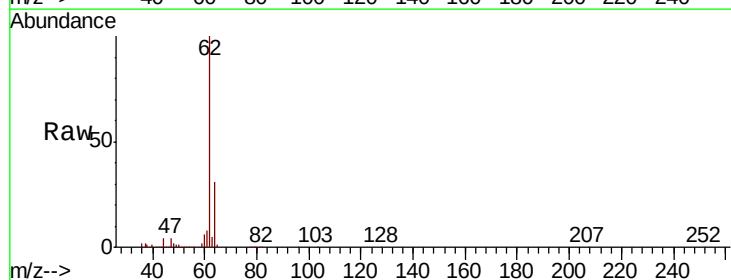
Acq: 28 Sep 2018 17:58

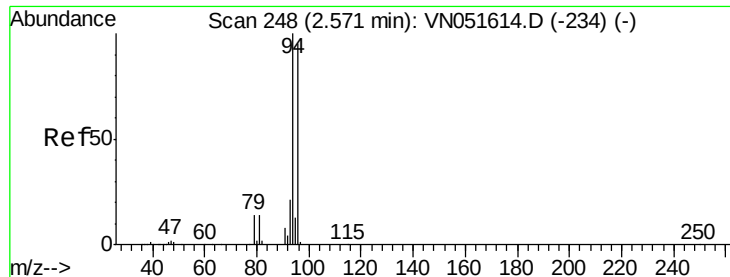
Tgt Ion: 62 Resp: 200603

Ion Ratio Lower Upper

62 100

64 30.7 26.3 39.5





#5

Bromomethane

Concen: 22.465 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion: 94 Resp: 109378

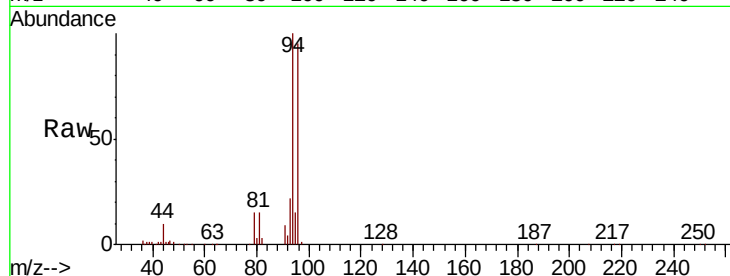
Ion Ratio Lower Upper

94 100

96 94.5 75.8 113.6

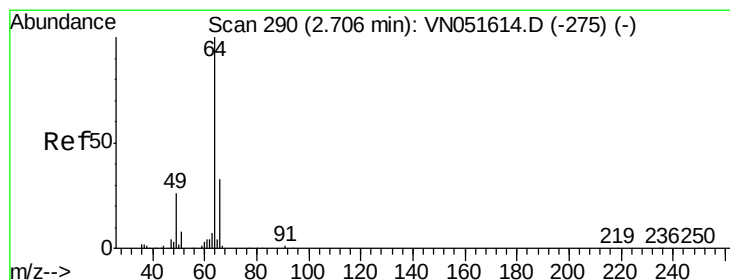
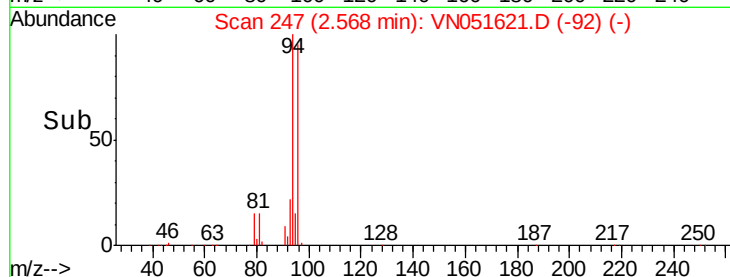
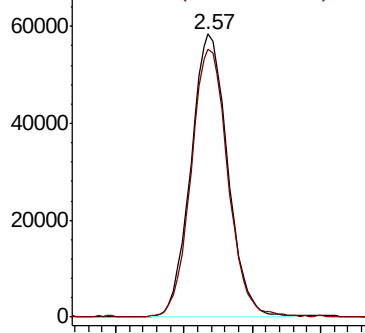
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.945 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051621.D

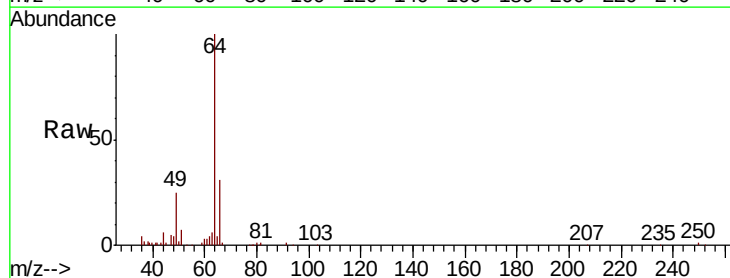
Acq: 28 Sep 2018 17:58

Tgt Ion: 64 Resp: 89087

Ion Ratio Lower Upper

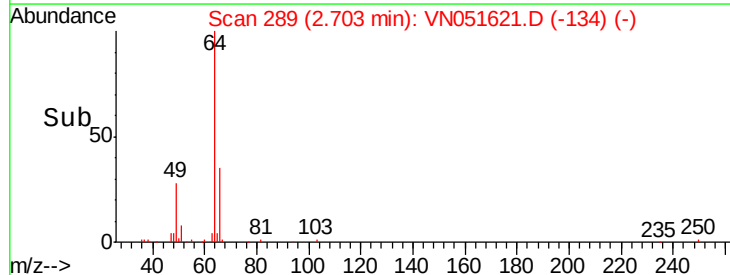
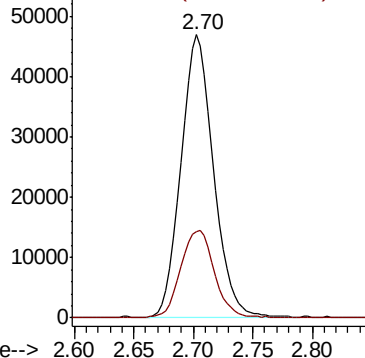
64 100

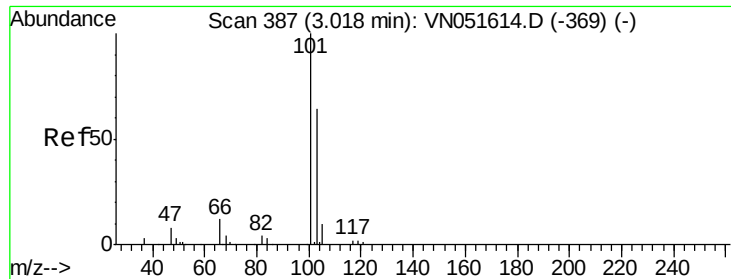
66 30.7 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

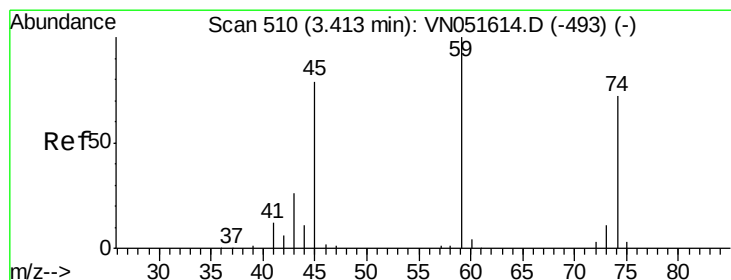
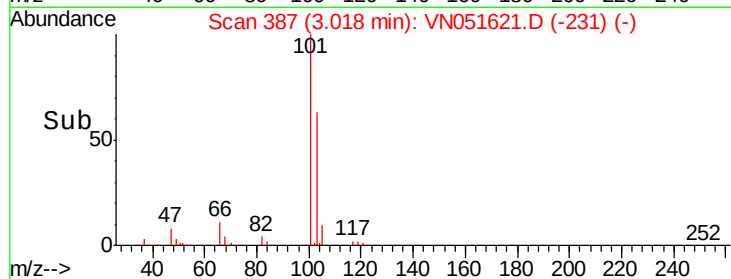
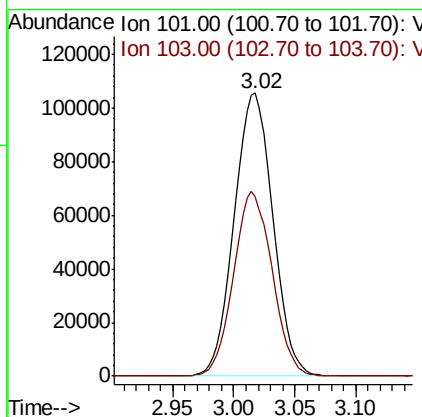
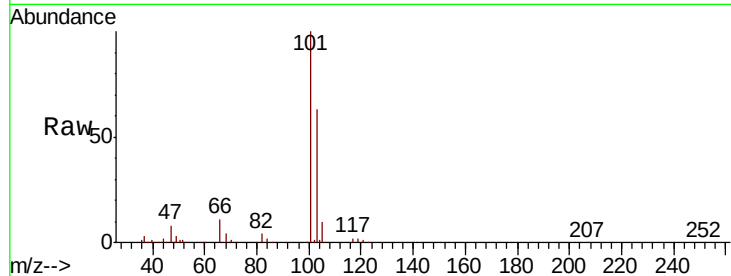
Trichlorofluoromethane
 Concen: 20.296 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Instrument :
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 ClientSampleId :
 VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.2	76.8

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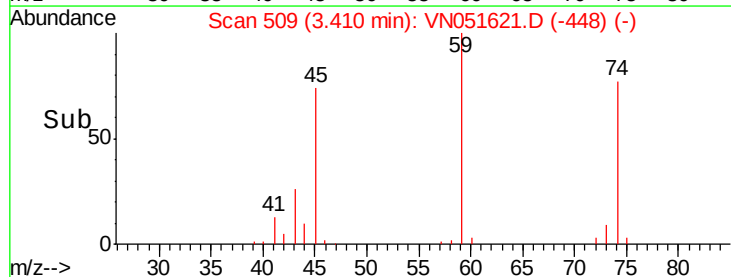
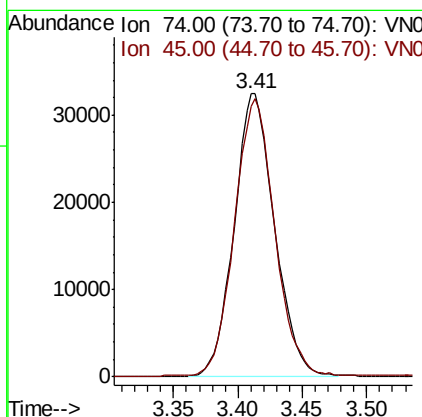
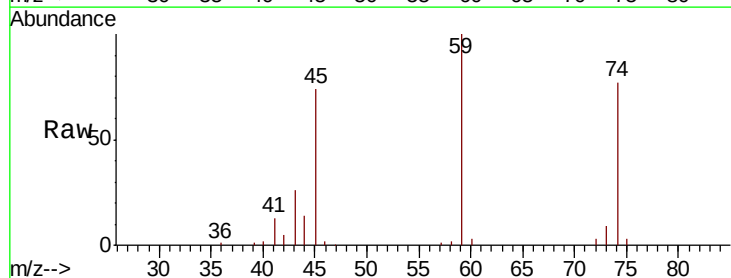
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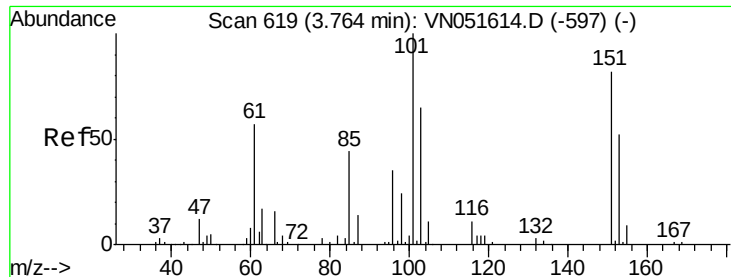


#8

Diethyl Ether
 Concen: 19.674 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	21.3	191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.556 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

Lab File: VN051621.D

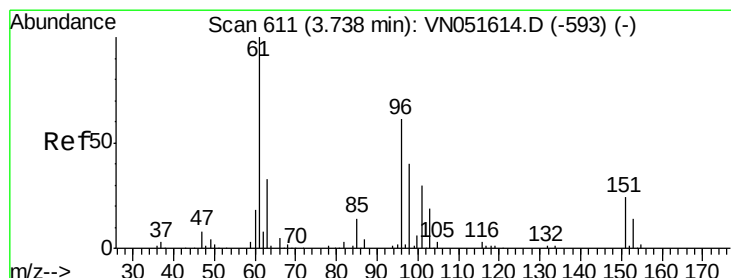
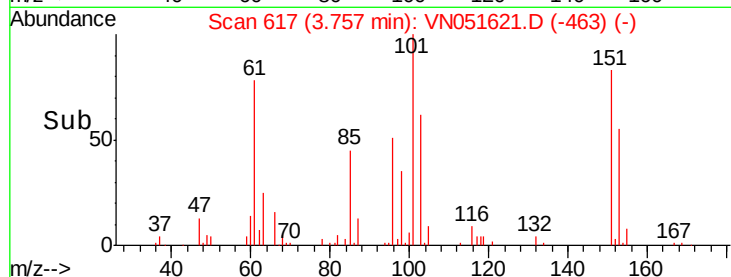
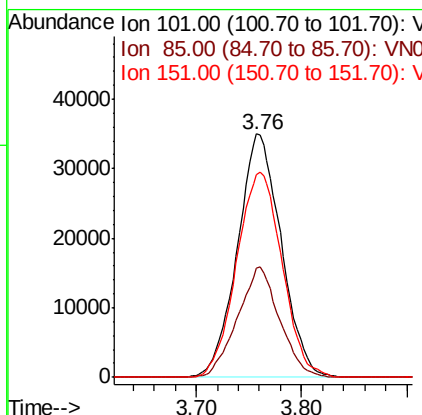
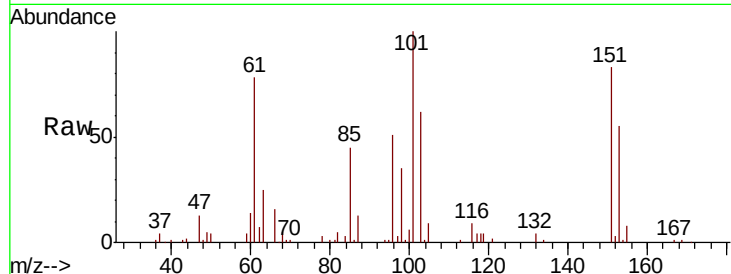
Acq: 28 Sep 2018 17:58

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	100702		
85	43.7	0.0	89.4	
151	87.7	0.0	167.6	

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 15.130 ug/l

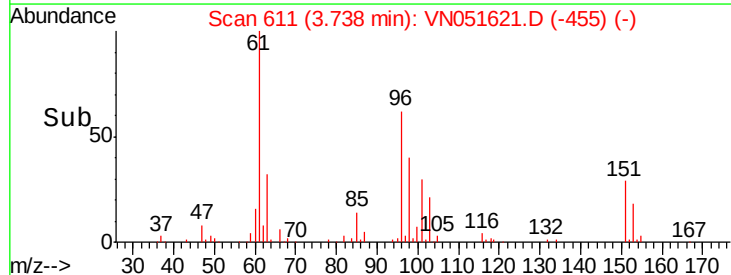
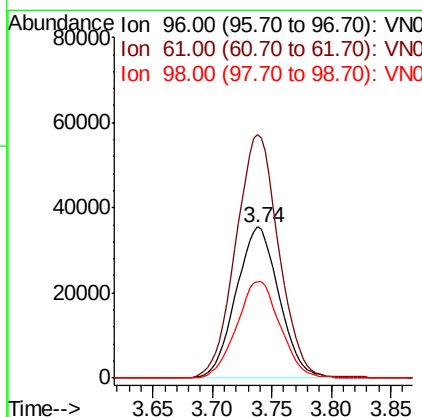
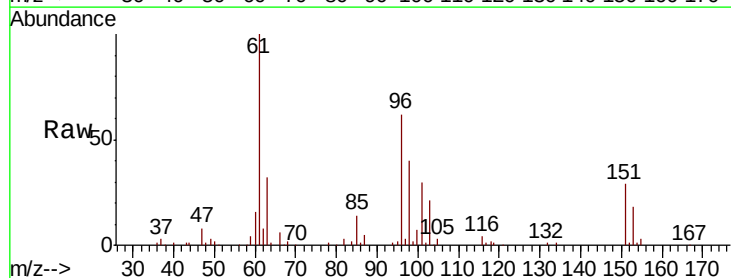
RT: 3.74 min Scan# 611

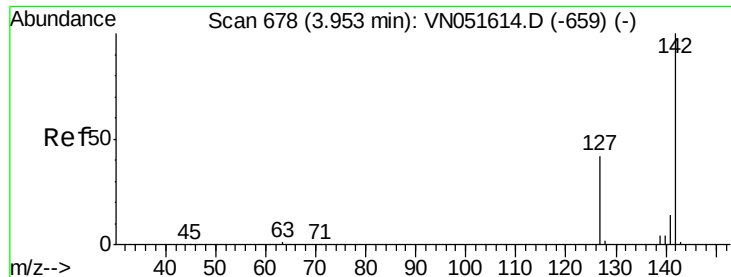
Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	88885		
61	161.3	131.0	196.4	
98	64.0	52.7	79.1	





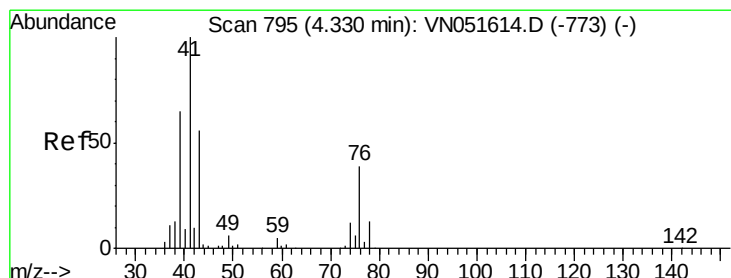
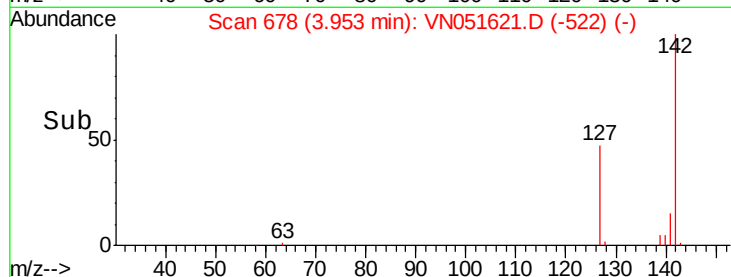
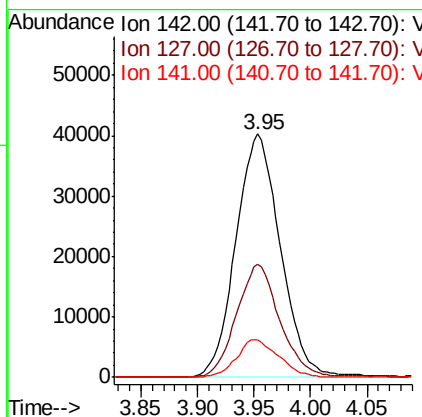
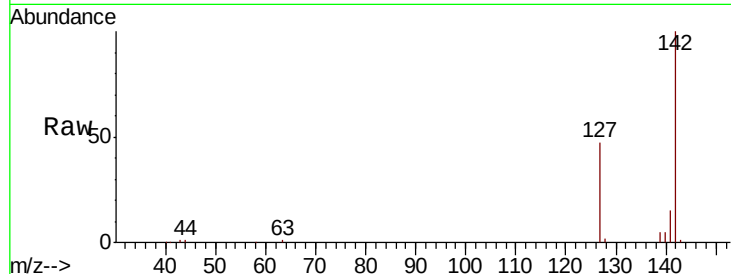
#11
Methyl Iodide
Concen: 14.531 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.4	21.1	63.1
141	15.4	7.1	21.4

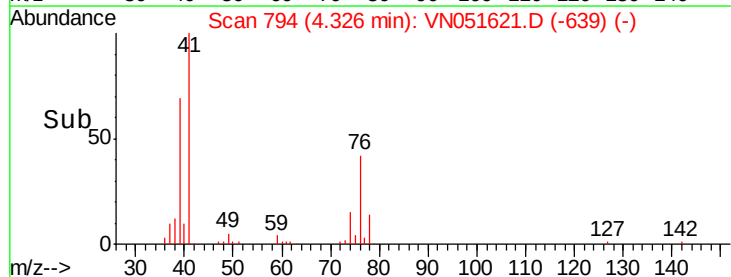
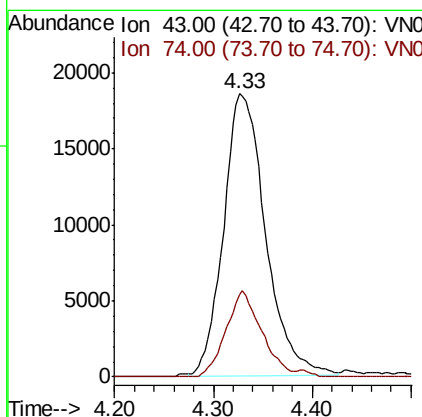
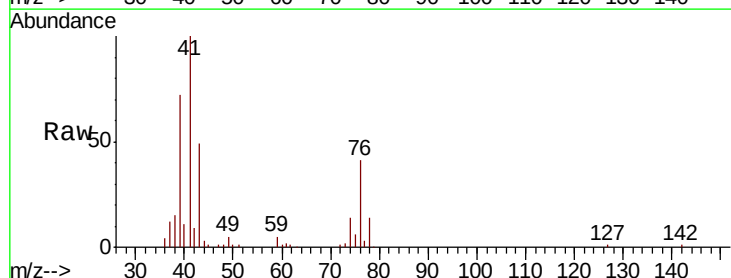
Manual Integrations
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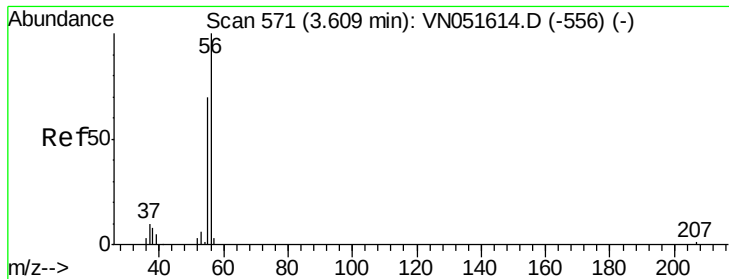
MMDadoda
10/3/2018 5:27:45 PM



#12
Methyl Acetate
Concen: 10.614 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.4	17.0	25.4#





#13

Acrolein

Concen: 66.892 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion: 56 Resp: 38317

Ion Ratio Lower Upper

56 100

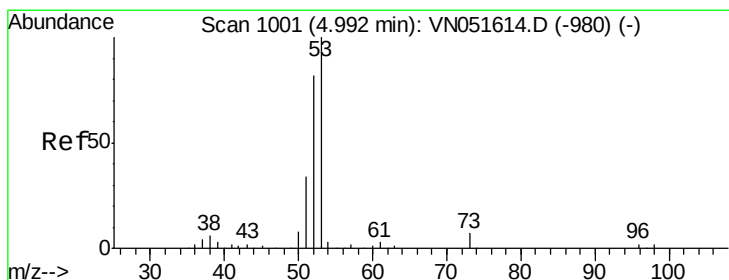
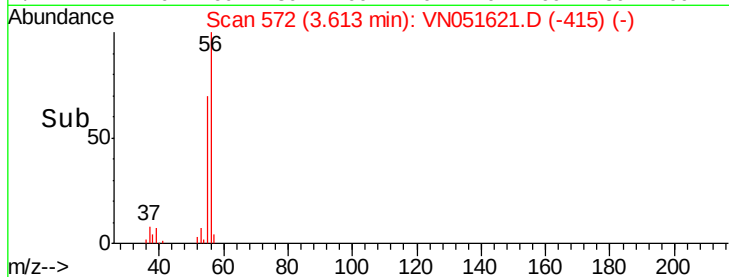
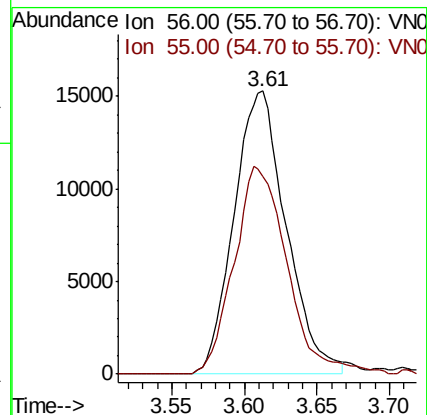
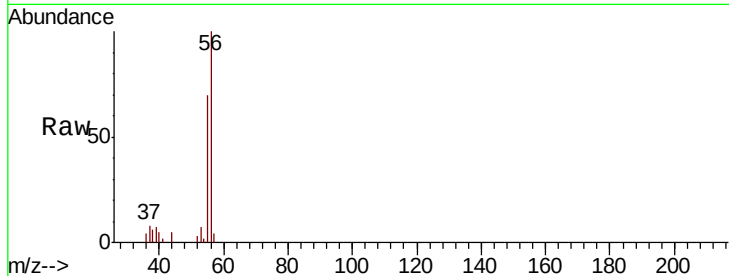
55 74.5 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

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#14

Acrylonitrile

Concen: 57.904 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

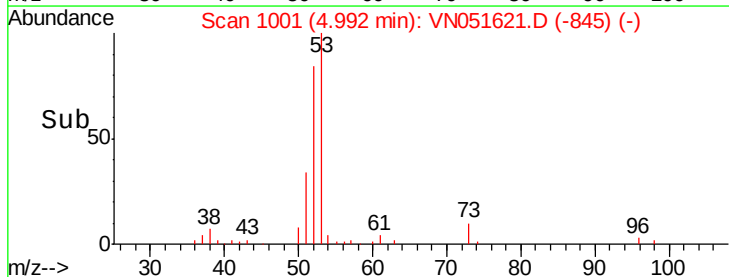
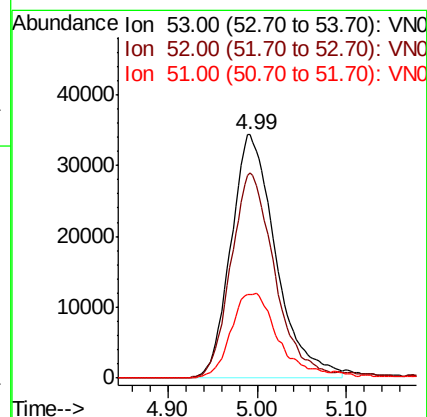
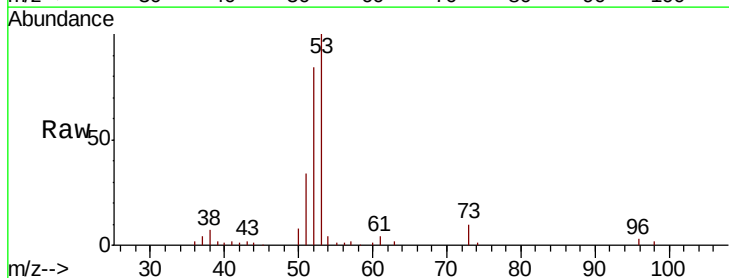
Tgt Ion: 53 Resp: 120233

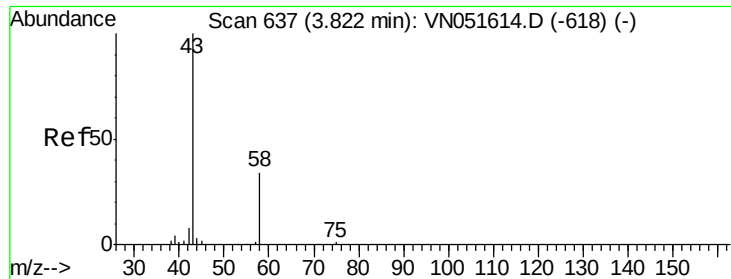
Ion Ratio Lower Upper

53 100

52 81.9 41.3 123.7

51 35.2 17.1 51.2





#15

Acetone

Concen: 63.932 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion: 58 Resp: 34806

Ion Ratio Lower Upper

58 100

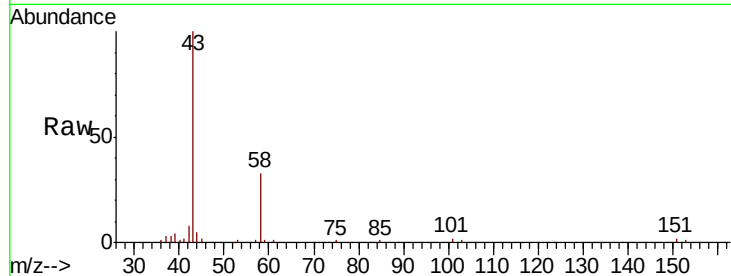
43 296.6 238.0 357.0

Manual Integrations

APPROVED

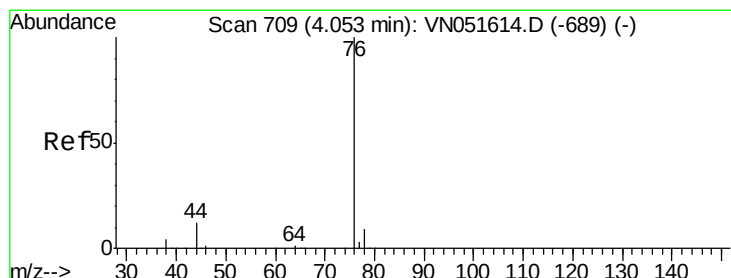
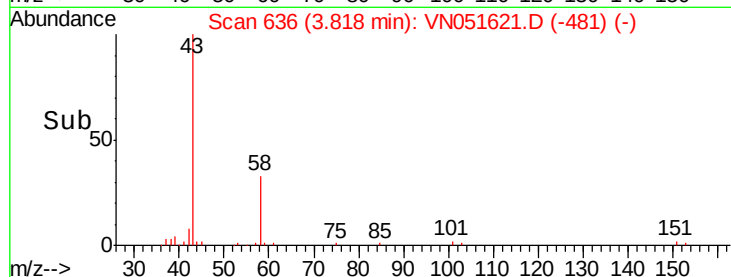
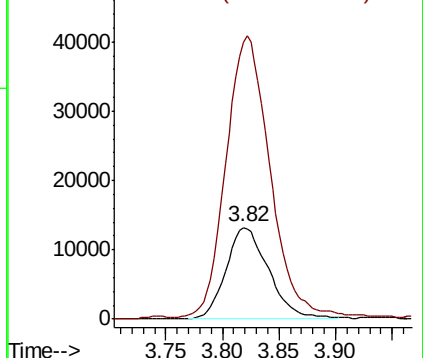
MMDadoda

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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: 11.809 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051621.D

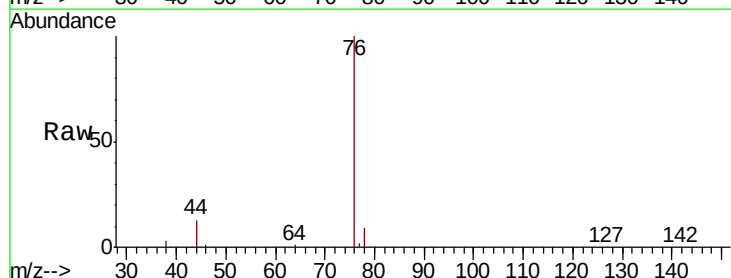
Acq: 28 Sep 2018 17:58

Tgt Ion: 76 Resp: 223568

Ion Ratio Lower Upper

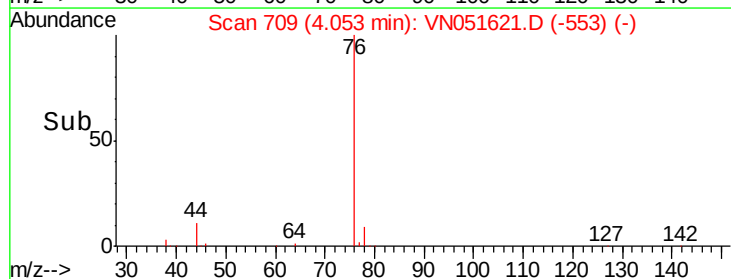
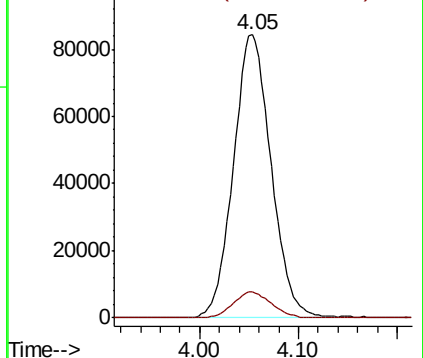
76 100

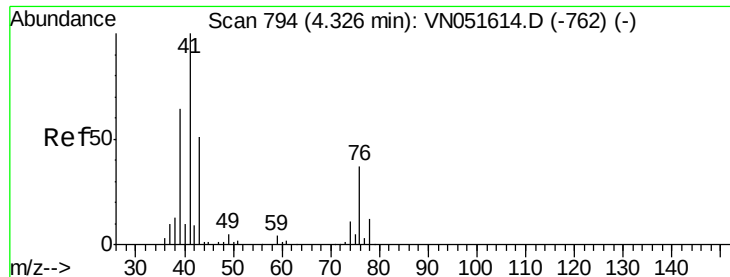
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





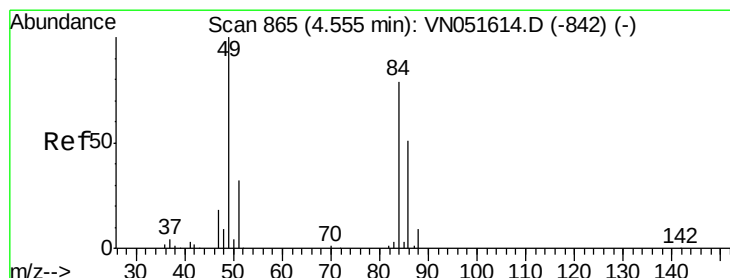
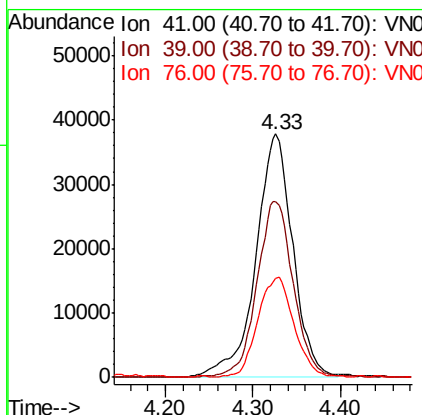
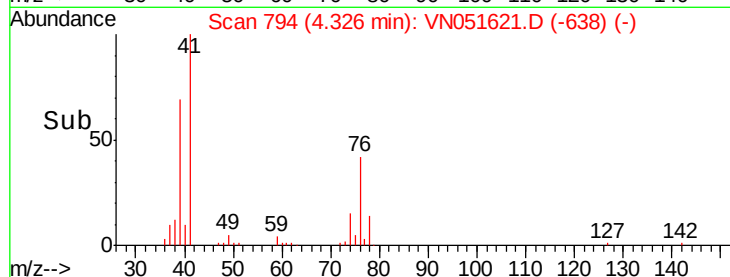
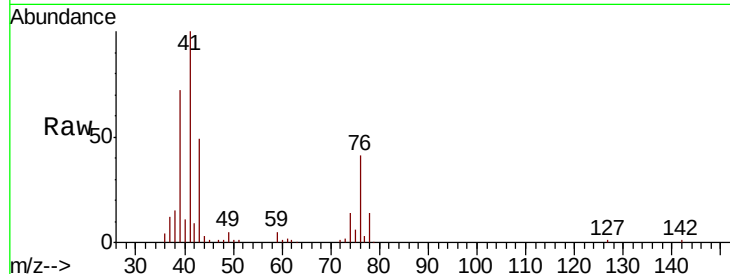
#17
Allvl chloride
Concen: 10.530 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	72.0	31.9	95.9		
76	40.8	18.6	56.0		

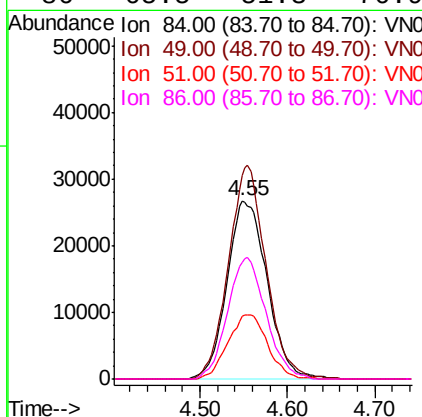
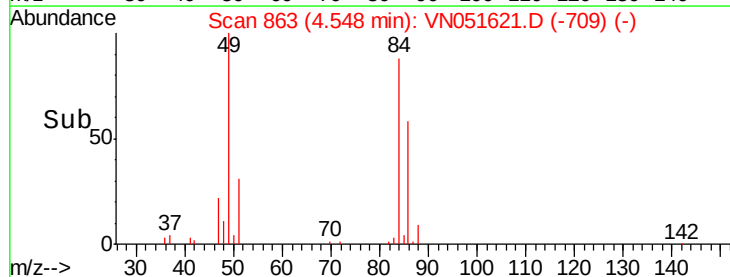
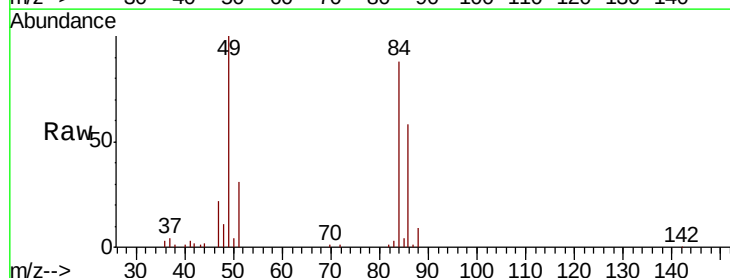
Manual Integrations
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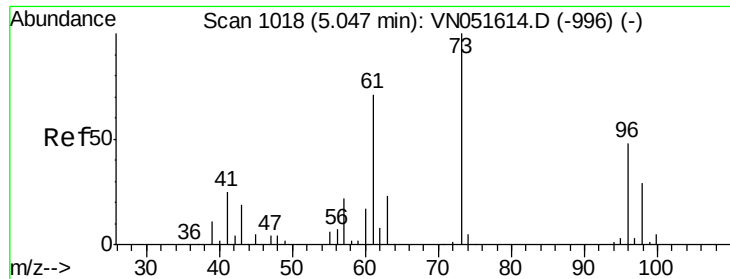
MMDadoda
10/3/2018 5:27:45 PM



#18
Methylene Chloride
Concen: 12.606 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	113.8	100.9	151.3		
51	34.9	32.5	48.7		
86	65.5	51.3	76.9		





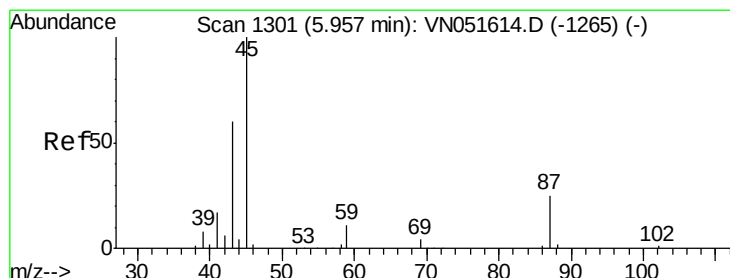
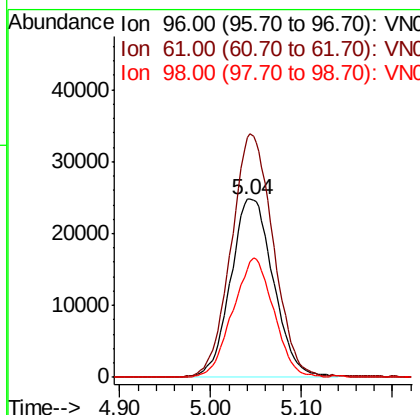
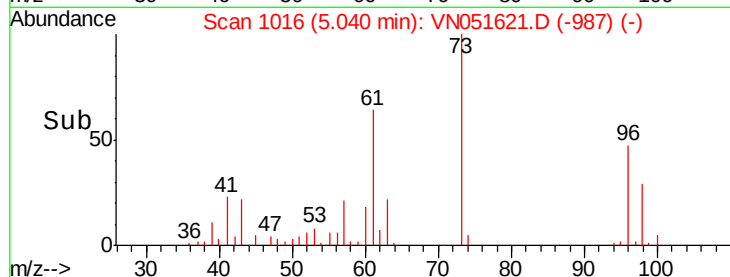
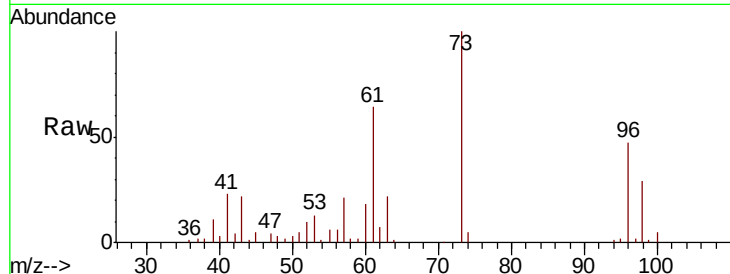
#19
trans-1,2-Dichloroethene
Concen: 13.019 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	134.1	118.0	177.0	
98	60.8	49.0	73.4	

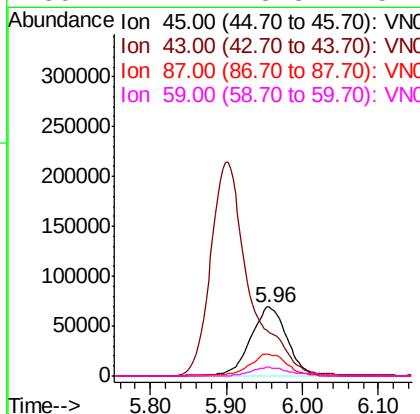
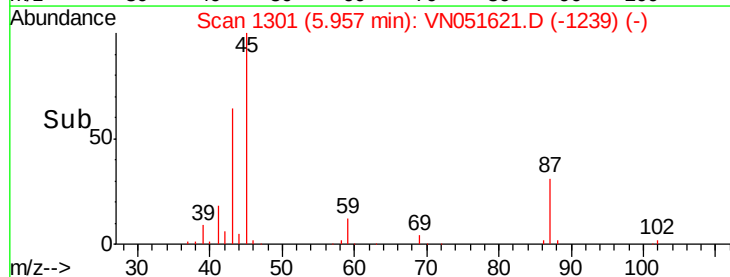
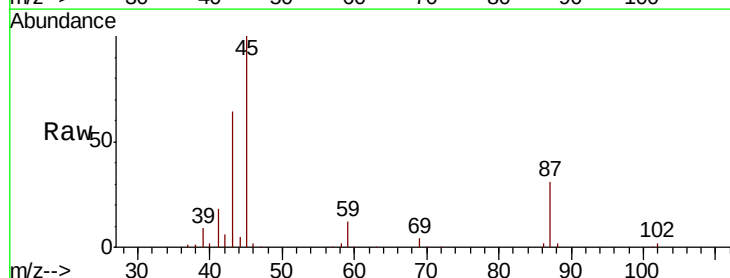
Manual Integrations
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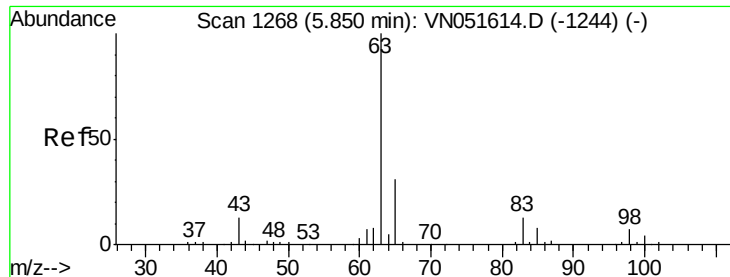
MMDadoda
10/3/2018 5:27:45 PM



#20
Diisopropyl ether
Concen: 11.003 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	61.3	48.3	72.5	
87	30.9	20.8	31.2	
59	12.1	8.8	13.2	





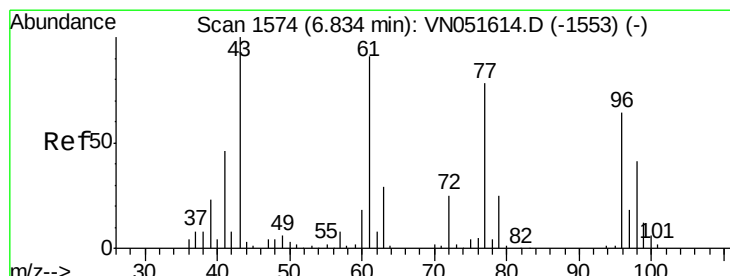
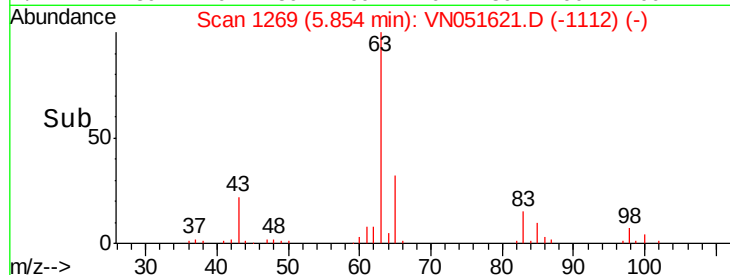
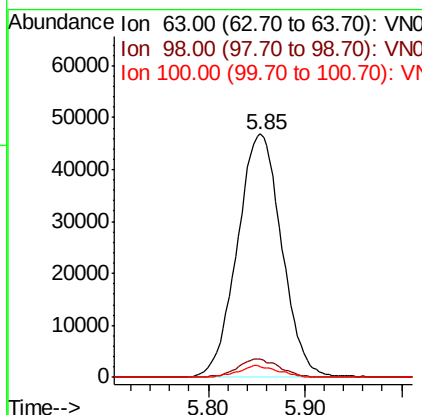
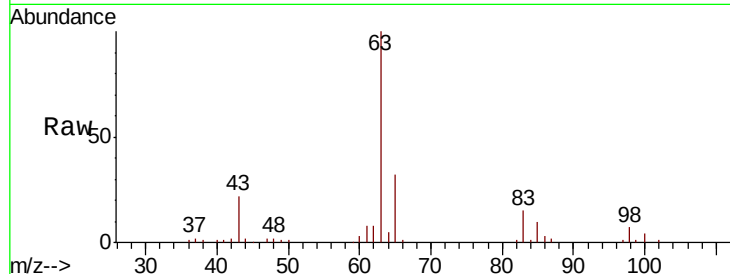
#21
 1,1-Dichloroethane
 Concen: 12.082 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Tot Ion:	63	Resp:	149287
Ion Ratio	Lower	Upper	
63	100		
98	7.3	3.3	9.9
100	4.5	2.0	5.8

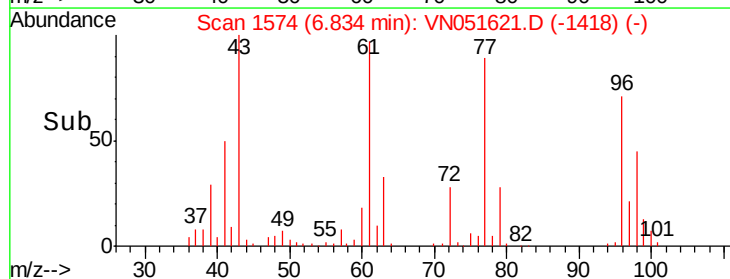
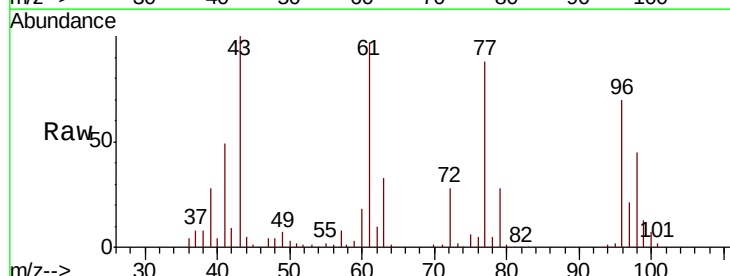
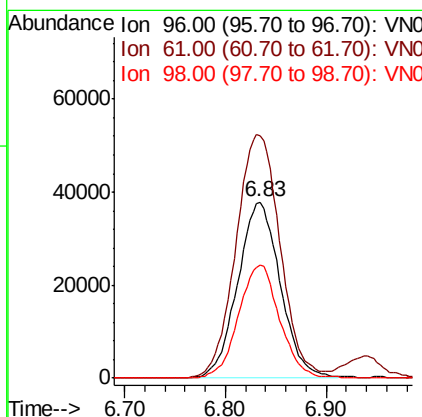
Manual Integrations
 APPROVED

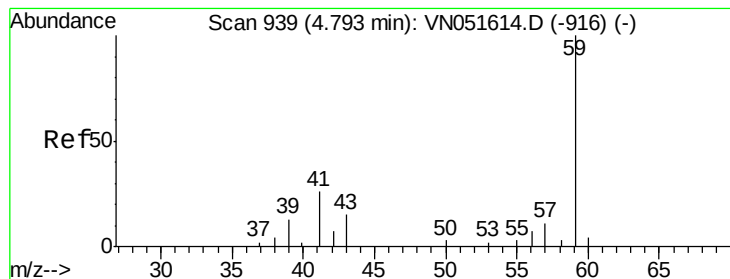
MMDadoda
 10/3/2018 5:27:45 PM



#22
 cis-1,2-Dichloroethene
 Concen: 16.283 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Tgt Ion:	96	Resp:	110902
Ion Ratio	Lower	Upper	
96	100		
61	143.3	120.4	180.6
98	61.8	51.4	77.0





#23

tert-Butyl Alcohol

Concen: 70.716 ug/l m

RT: 4.79 min Scan# 937

Delta R.T. -0.01 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Tot Ion: 59 Resp: 28087

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

Instrument :

MSVOA_N

ClientSampled :

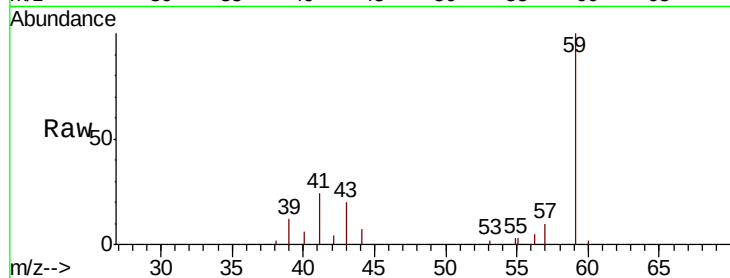
VN0928WBSD01

Manual Integrations

APPROVED

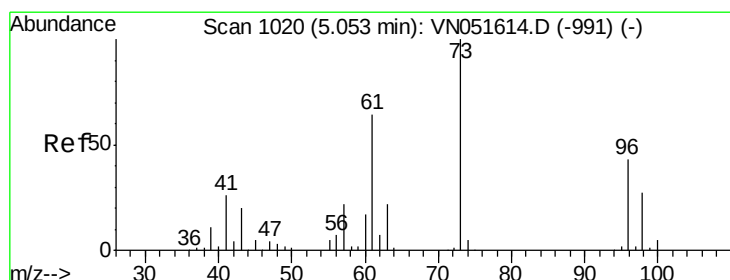
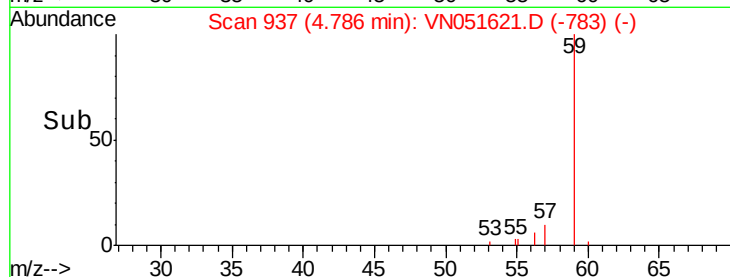
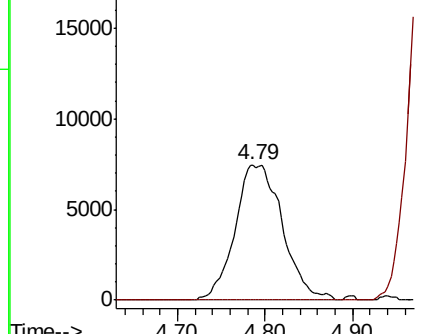
MMDadoda

10/3/2018 5:27:45 PM



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 13.577 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN051621.D

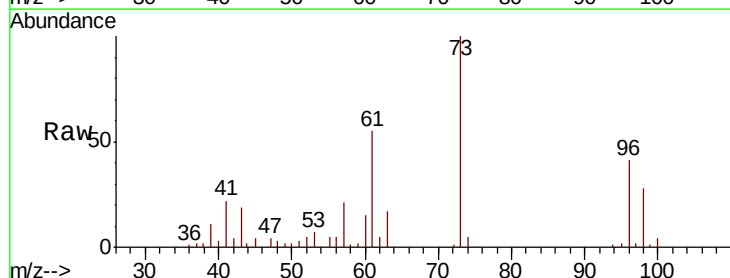
Acq: 28 Sep 2018 17:58

Tgt Ion: 73 Resp: 209621

Ion Ratio Lower Upper

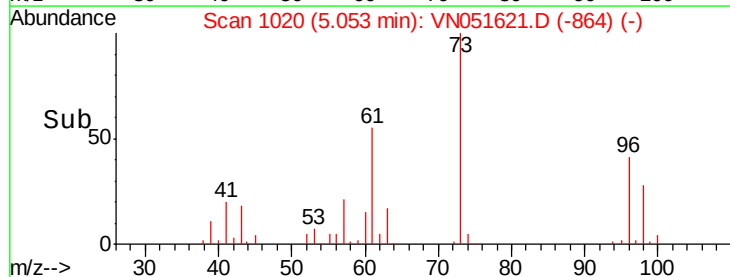
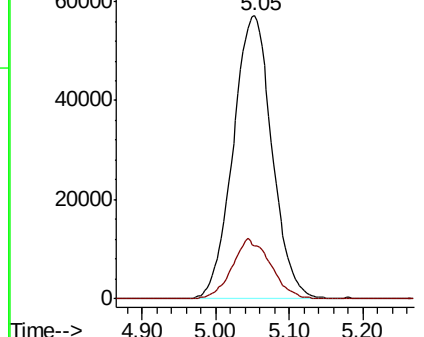
73 100

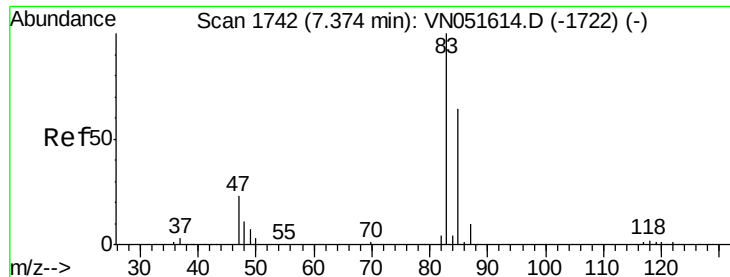
43 12.2 16.1 24.1#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





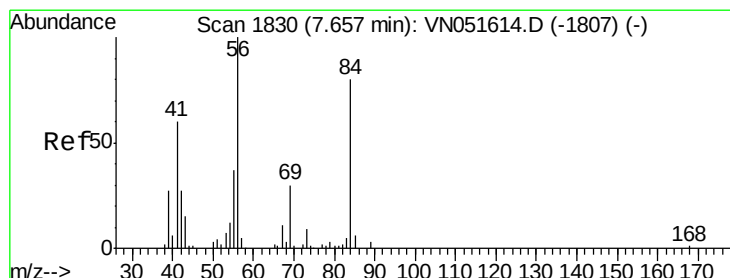
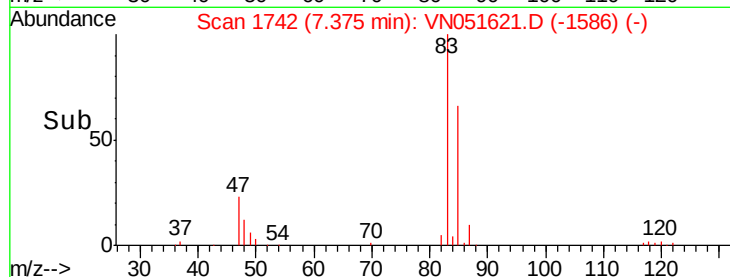
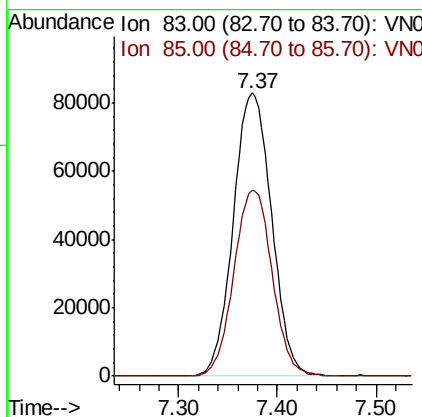
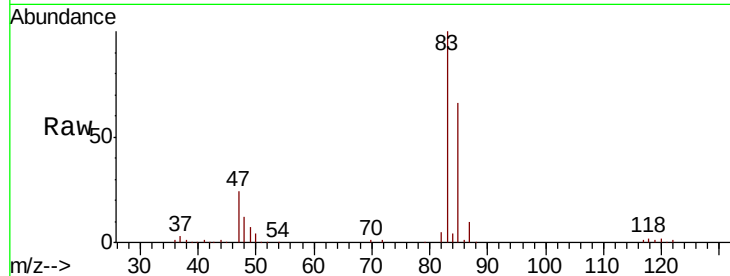
#25
Chloroform
Concen: 18.945 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	83	Resp	223817
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	51.4	77.0

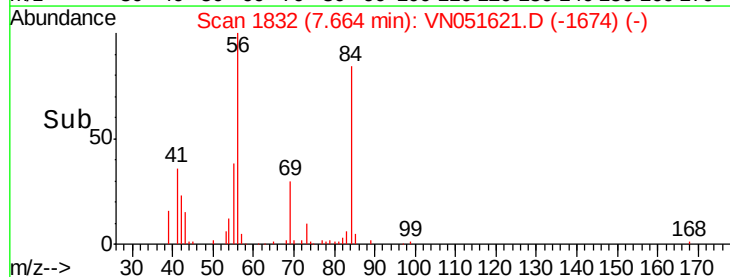
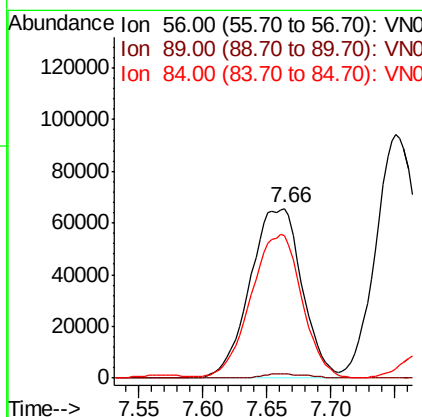
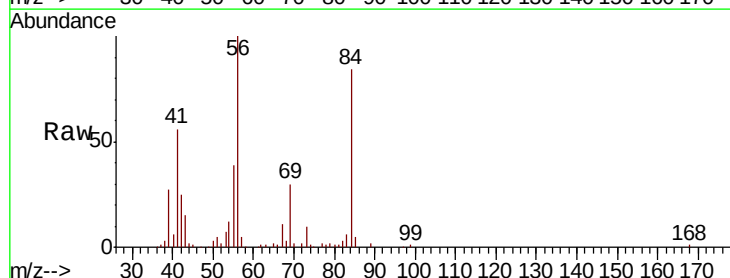
Manual Integrations
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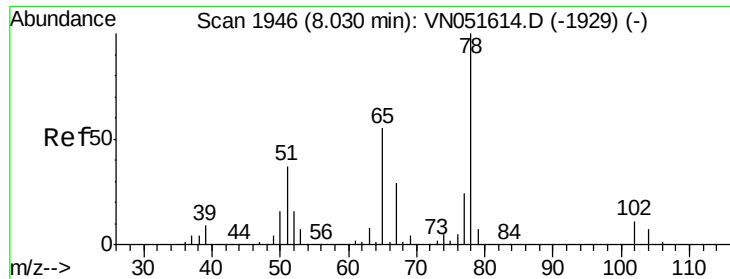
MMDadoda
10/3/2018 5:27:45 PM



#26
Cyclohexane
Concen: 17.308 ug/l m
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Tgt Ion	56	Resp	185069
Ion Ratio	100	Lower	Upper
56	100		
89	1.4	2.2	3.2#
84	83.5	65.0	97.4





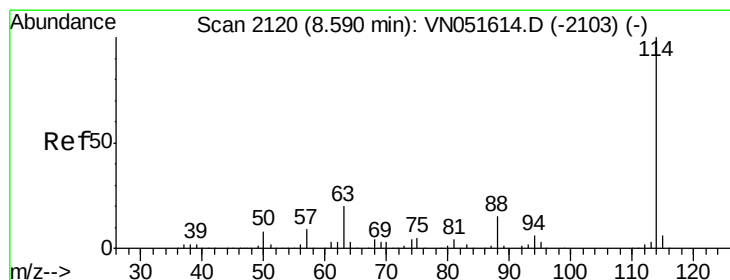
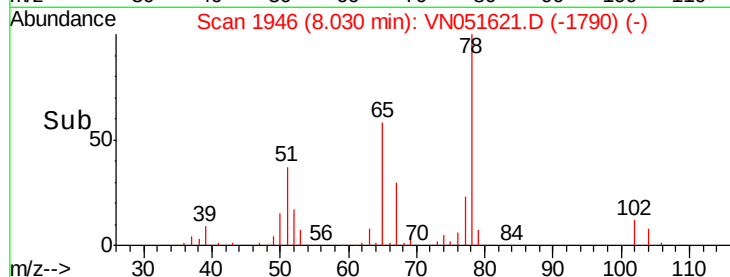
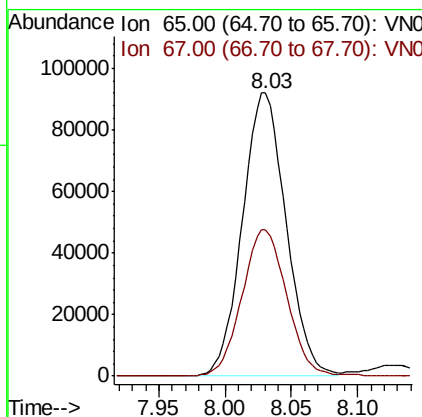
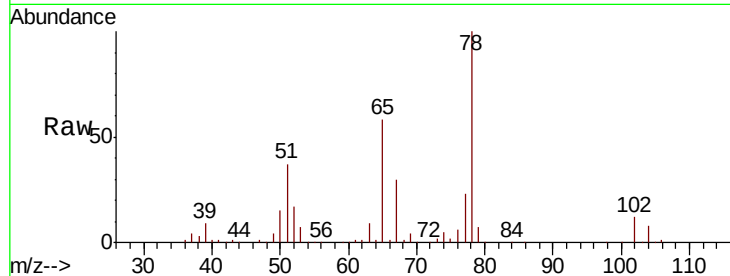
#27
 1,2-Dichloroethane-d4
 Concen: 17.308 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	43.1	64.7

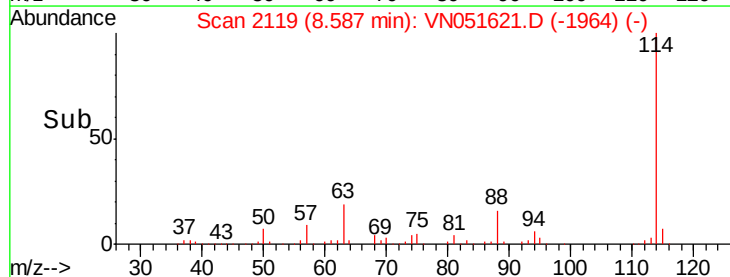
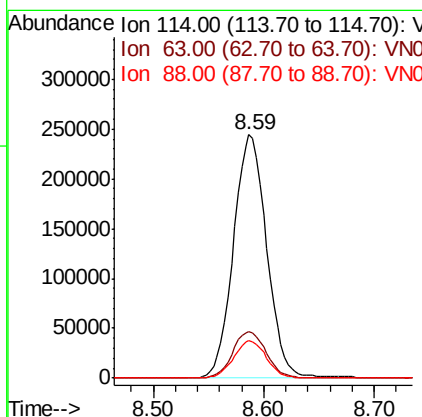
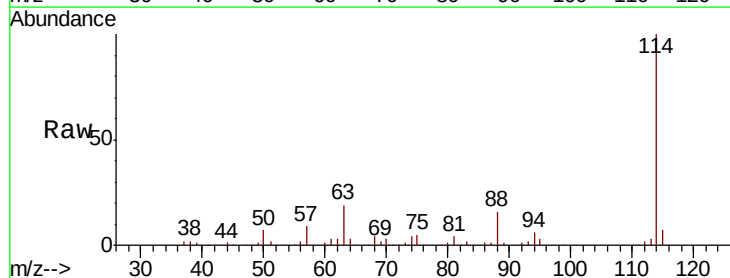
Manual Integrations
 APPROVED

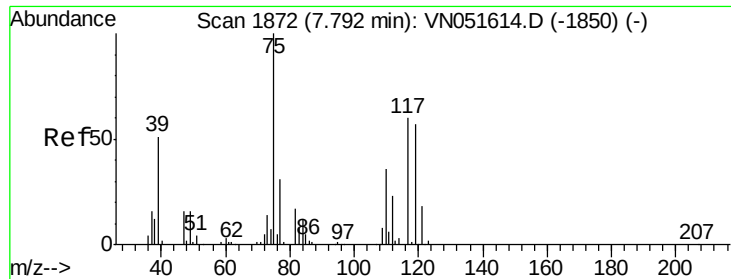
MMDadoda
 10/3/2018 5:27:45 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	16.4	24.6
88	15.3	12.6	18.8





#29

1,1-Dichloropropene

Concen: 18.772 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

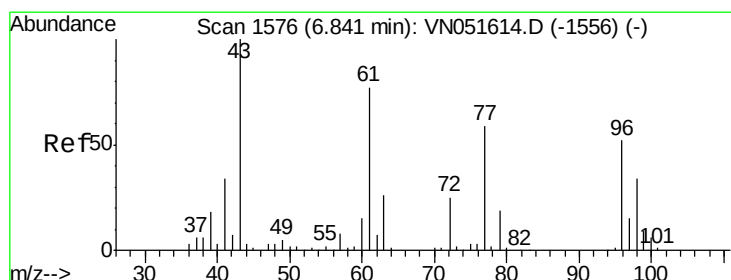
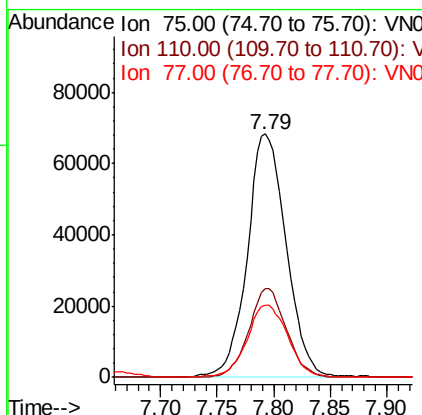
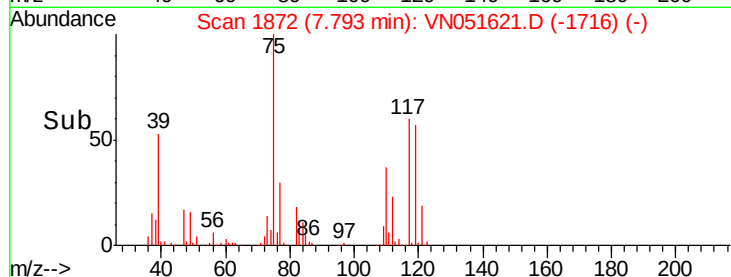
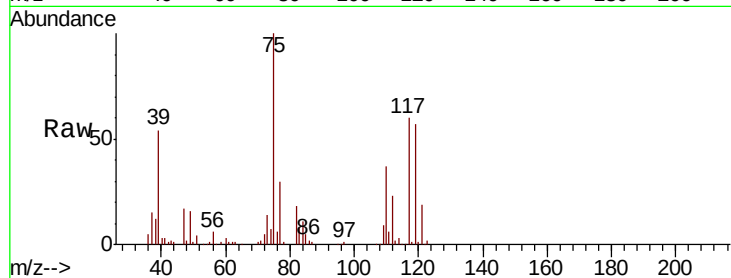
ClientSampleId :

VN0928WBSD01

Tot Ion:	75	Resp:	163374
Ion Ratio	Lower	Upper	
75	100		
110	35.1	0.0	71.0
77	31.3	0.0	62.4

Manual Integrations
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10/3/2018 5:27:45 PM



#30

2-Butanone

Concen: 74.372 ug/l

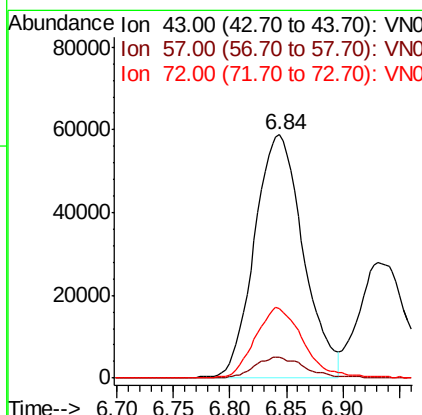
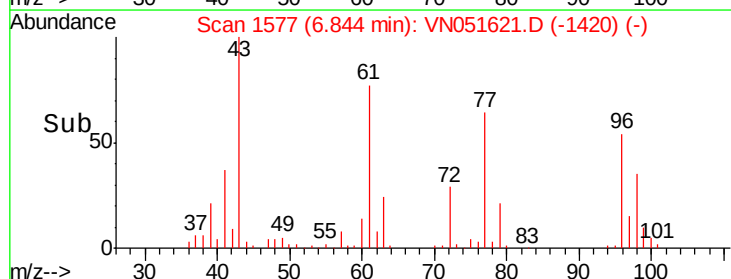
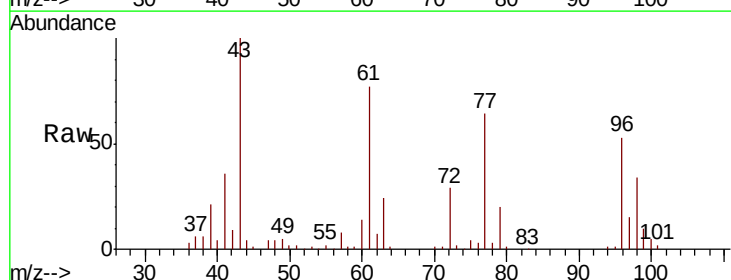
RT: 6.84 min Scan# 1577

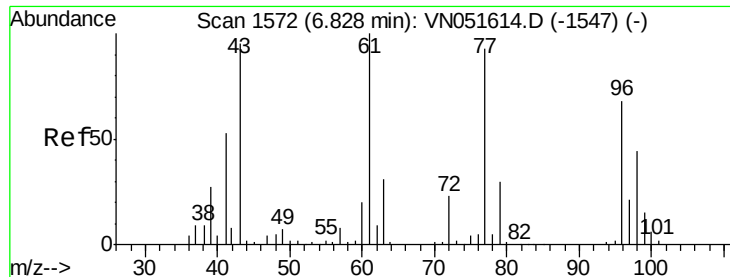
Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Tgt Ion:	43	Resp:	176167
Ion Ratio	Lower	Upper	
43	100		
57	6.0	6.6	10.0#
72	28.3	20.8	31.2





#31

2,2-Dichloropropane

Concen: 17.147 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

ClientSampled :

VN0928WBSD01

Tot Ion: 77 Resp: 161062

Ion Ratio Lower Upper

77 100

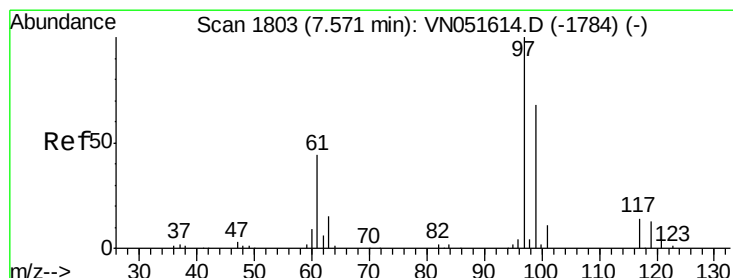
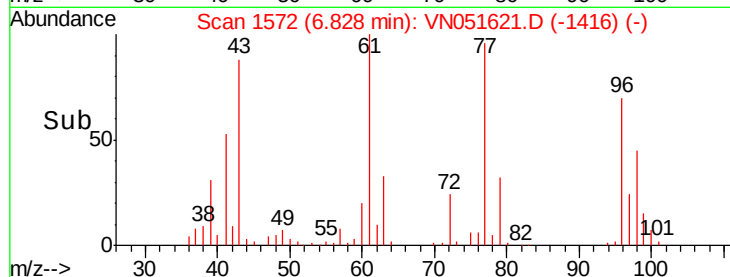
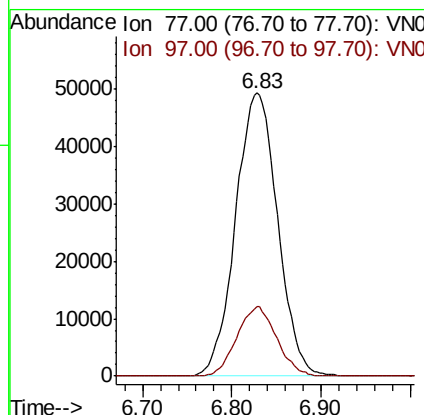
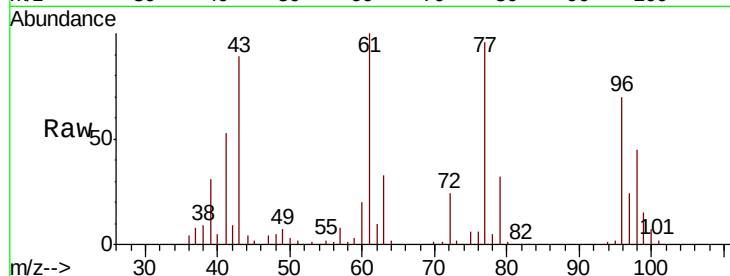
97 23.2 18.6 28.0

Manual Integrations

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10/3/2018 5:27:45 PM



#32

1,1,1-Trichloroethane

Concen: 19.815 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

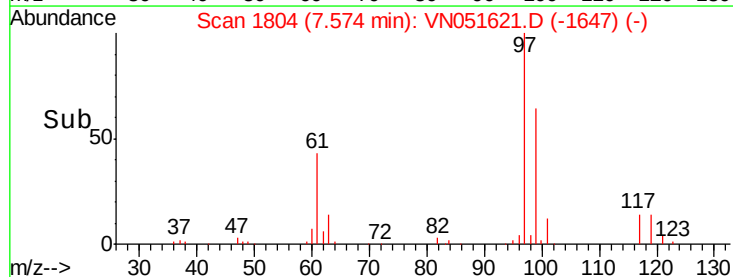
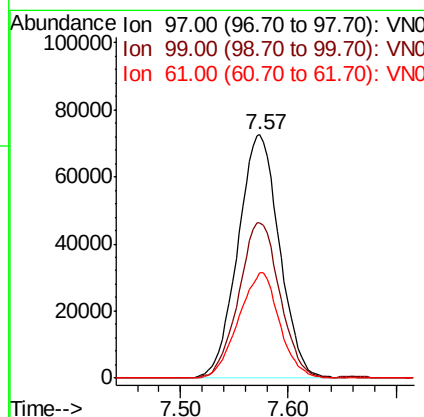
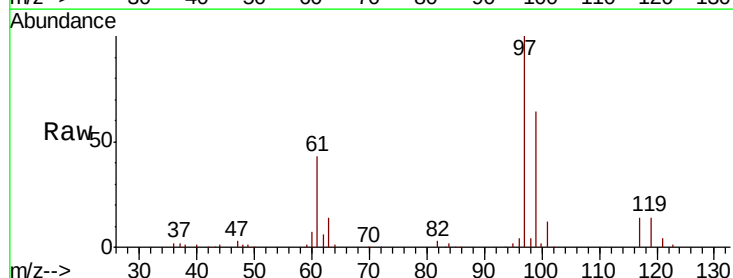
Tgt Ion: 97 Resp: 193766

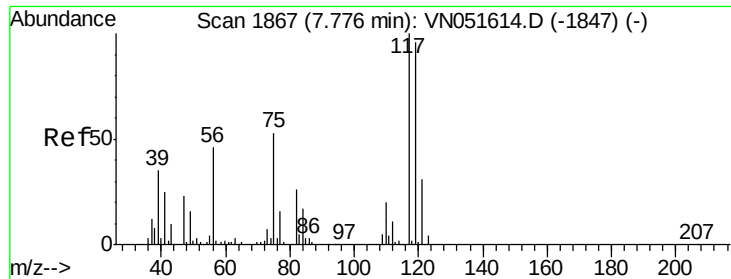
Ion Ratio Lower Upper

97 100

99 63.5 52.2 78.4

61 42.8 36.2 54.4





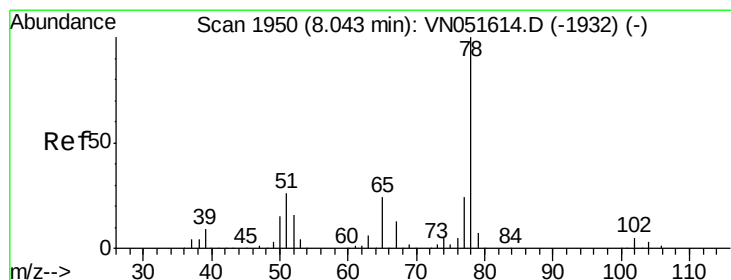
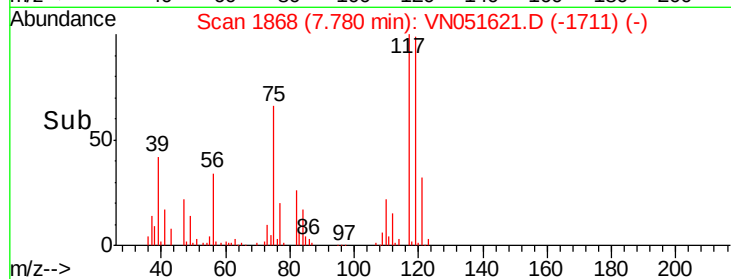
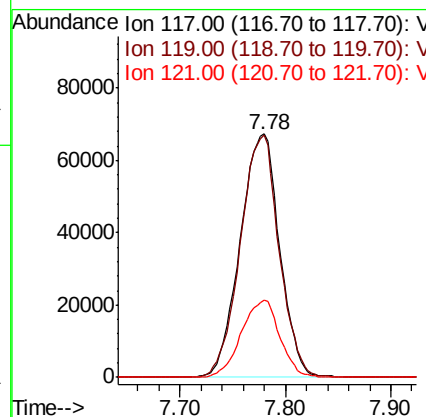
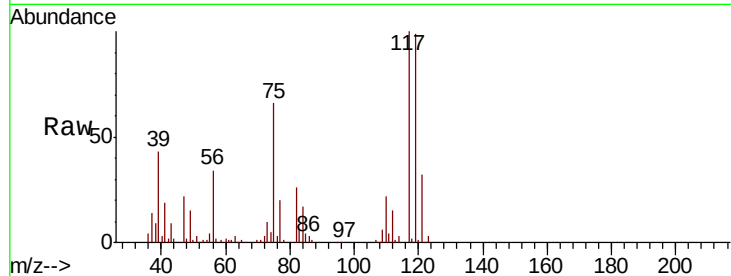
#33
Carbon Tetrachloride
Concen: 19.936 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Instrument :
MSVOA_N
ClientSampled :
VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.4	76.5	114.7
121	31.7	25.0	37.6

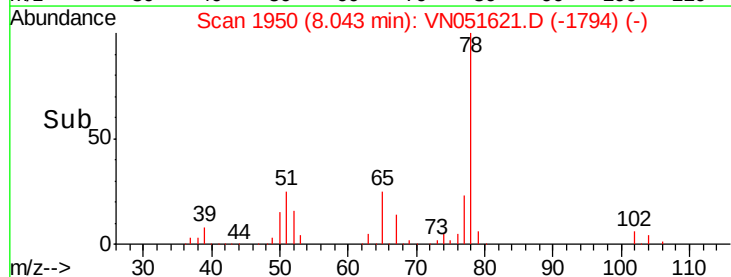
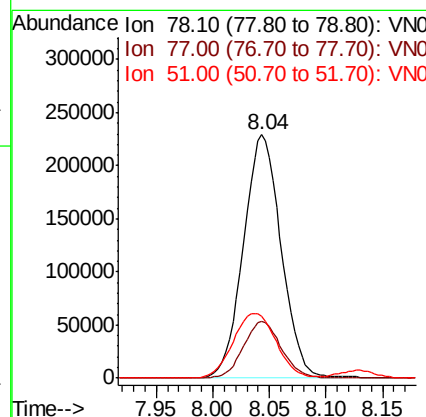
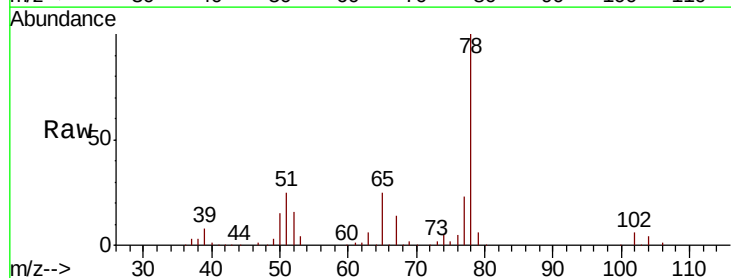
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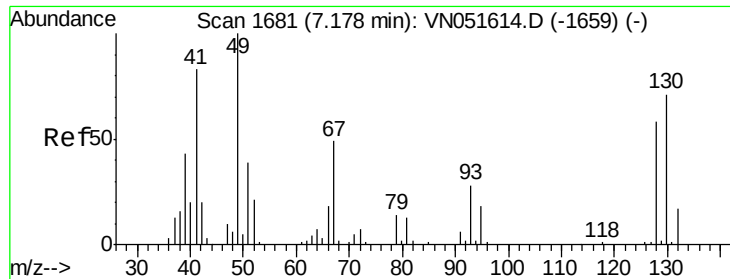
MMDadoda
10/3/2018 5:27:45 PM



#34
Benzene
Concen: 20.582 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.3	28.9
51	25.0	20.8	31.2





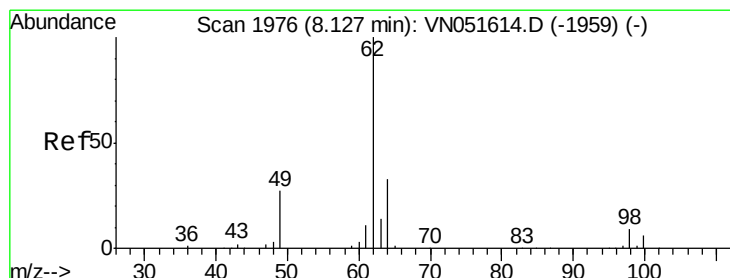
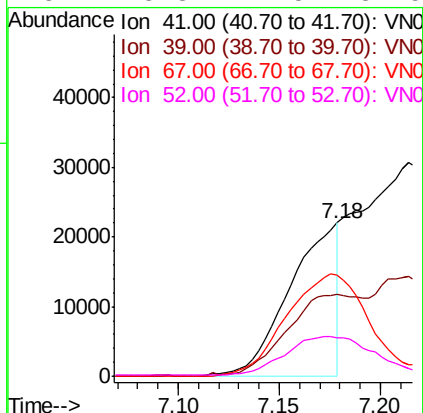
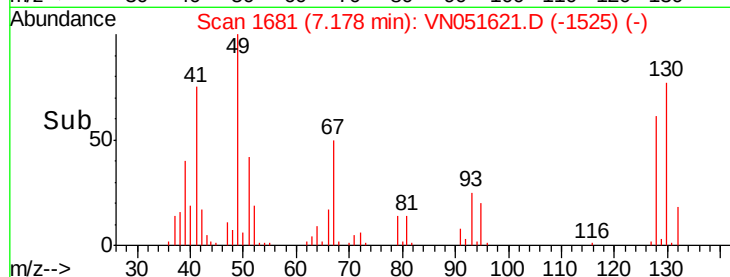
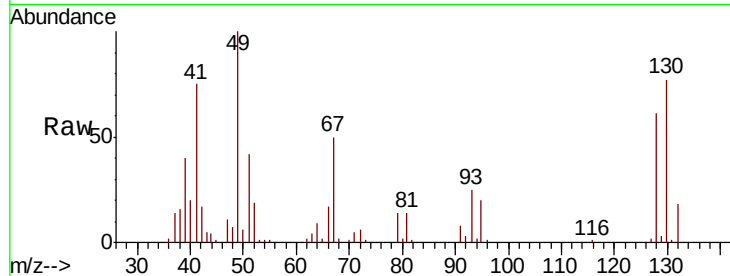
#35
Methacrylonitrile
Concen: 13.753 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	25.6	76.8	
67	66.1	29.4	88.2	
52	25.3	12.5	37.5	

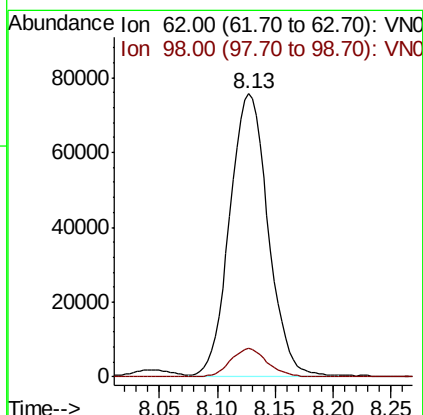
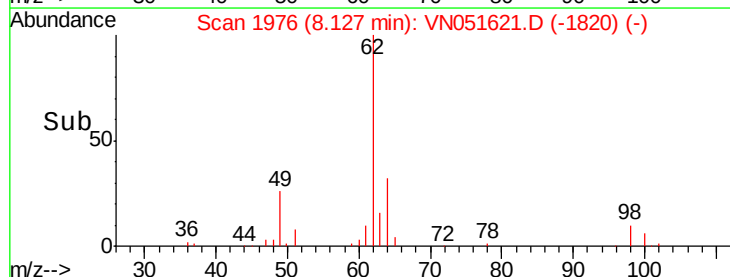
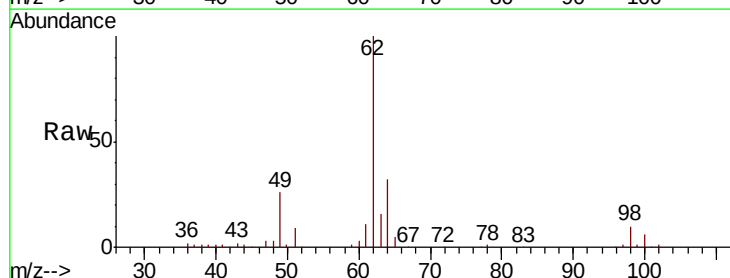
Manual Integrations
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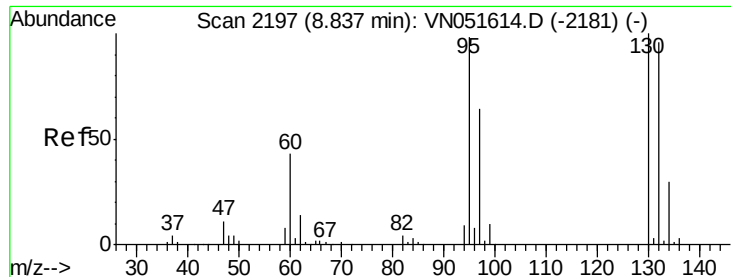
MMDadoda
10/3/2018 5:27:45 PM



#36
1,2-Dichloroethane
Concen: 21.279 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	7.4	11.2	





#37

Trichloroethene

Concen: 20.281 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

ClientSampled :

VN0928WBSD01

Tot Ion:130 Resp: 134451

Ion Ratio Lower Upper

130 100

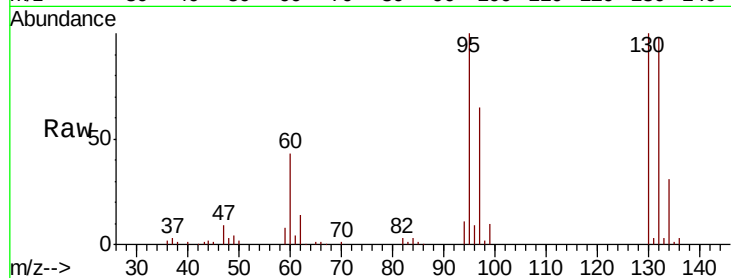
95 99.6 78.4 117.6

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

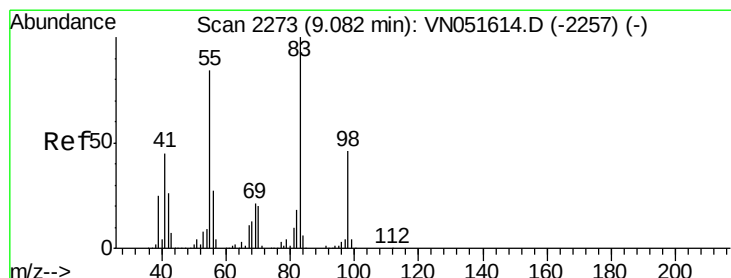
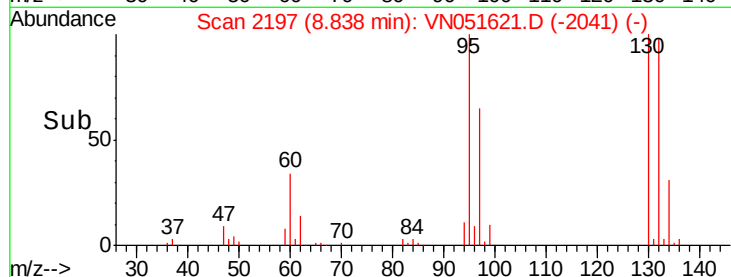
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 18.058 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

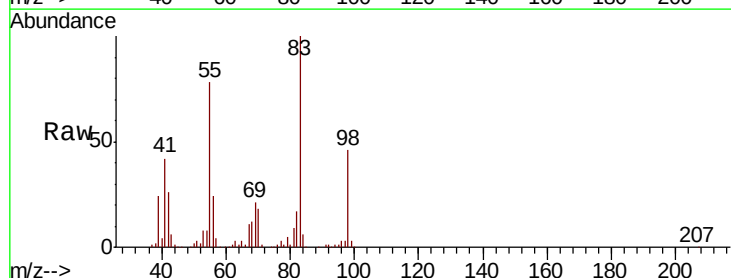
Tgt Ion: 83 Resp: 181351

Ion Ratio Lower Upper

83 100

55 77.3 41.6 124.9

98 45.2 23.1 69.2



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

100000

80000

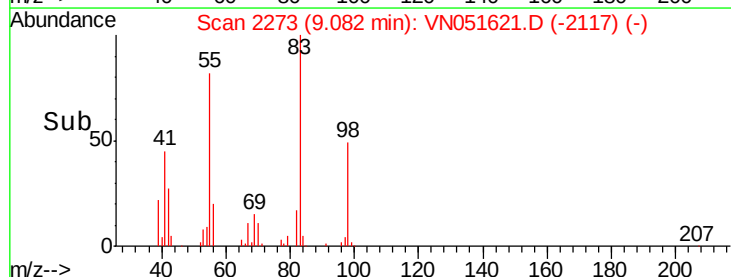
60000

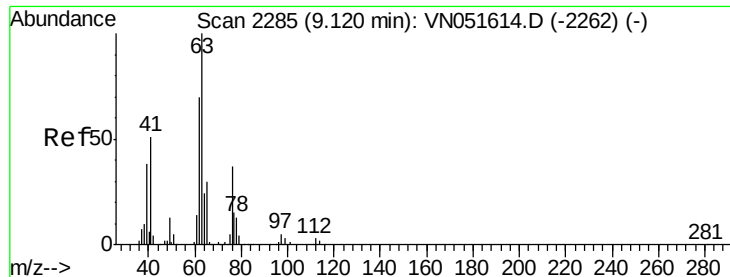
40000

20000

0

Time-->





#39

1,2-Dichloropropane

Concen: 18.784 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

ClientSampled :

VN0928WBSD01

Tot Ion: 63 Resp: 132904

Ion Ratio Lower Upper

63 100

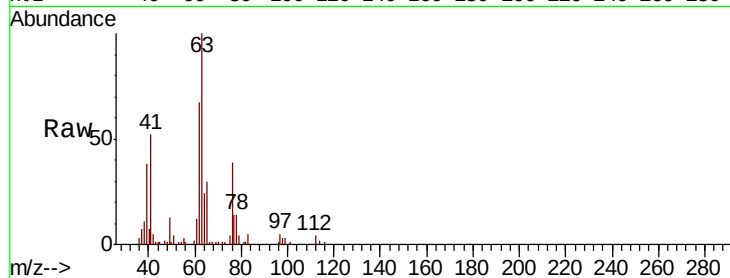
65 30.2 24.4 36.6

Manual Integrations

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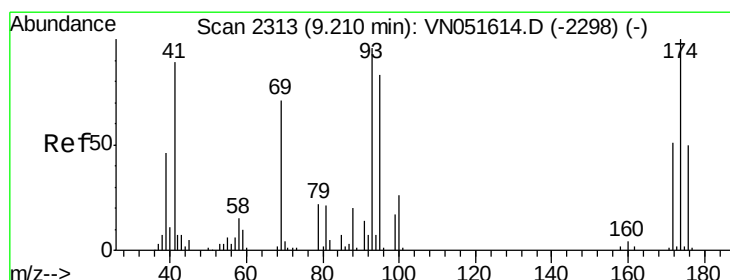
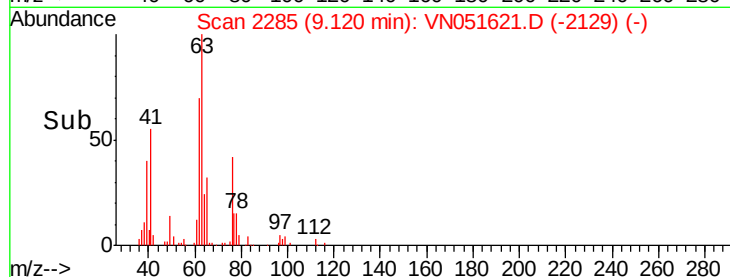
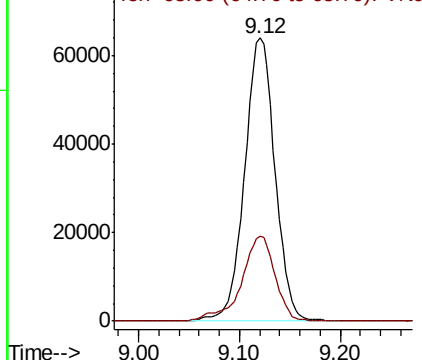
MMDadoda

10/3/2018 5:27:45 PM



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.855 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

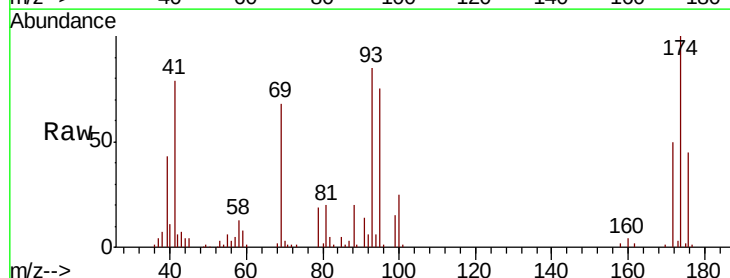
Tgt Ion: 93 Resp: 78038

Ion Ratio Lower Upper

93 100

95 83.2 0.0 171.0

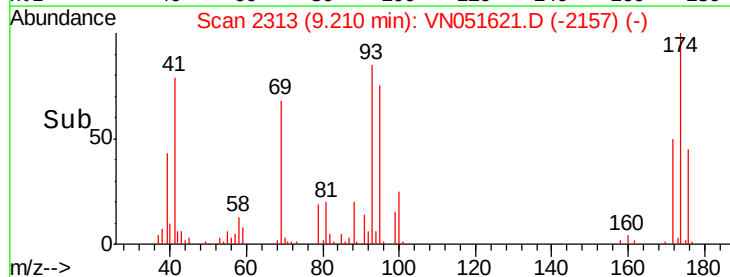
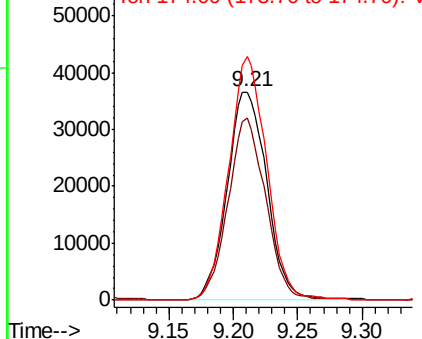
174 112.3 0.0 212.0

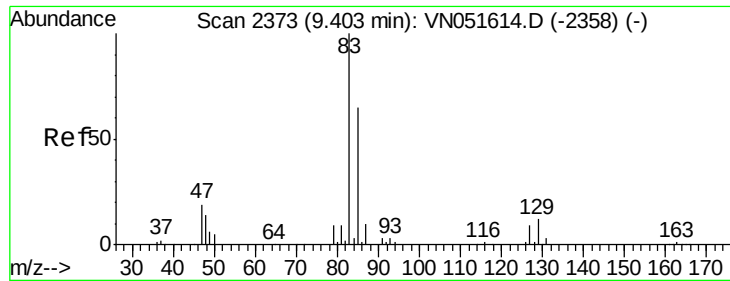


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.999 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

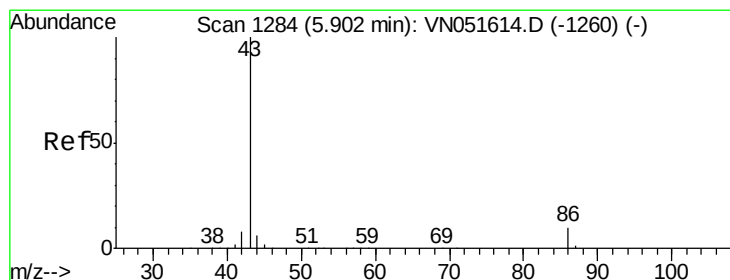
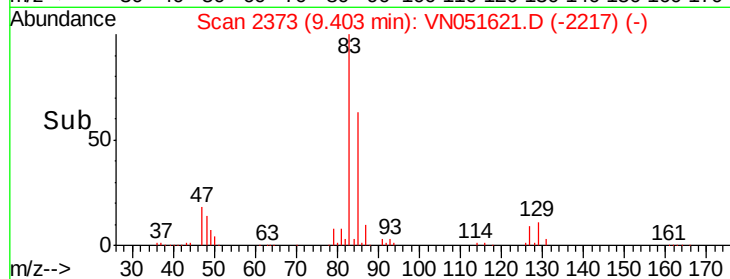
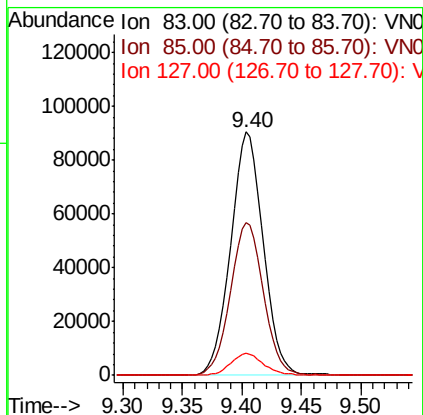
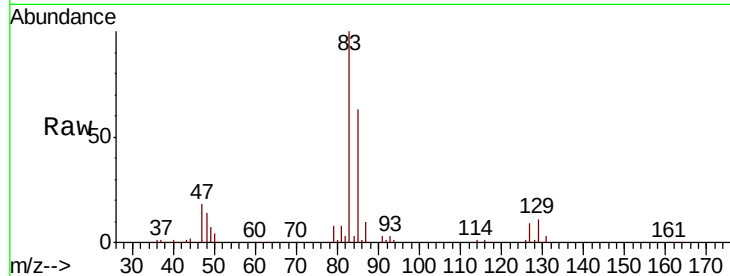
ClientSampleId :

VN0928WBSD01

Tot Ion:	83	Resp:	171573
Ion Ratio	Lower	Upper	
83	100		
85	62.9	52.1	78.1
127	9.0	7.1	10.7

Manual Integrations
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10/3/2018 5:27:45 PM



#42

Vinyl Acetate

Concen: 57.615 ug/l

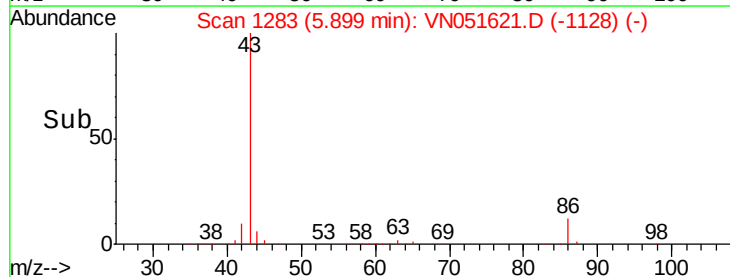
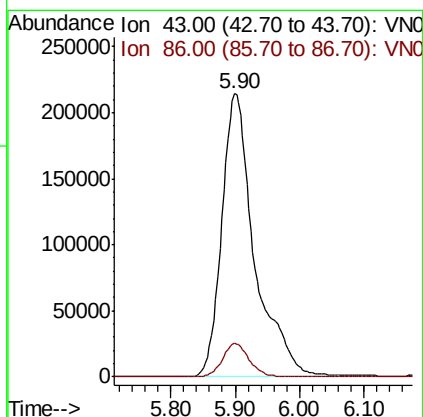
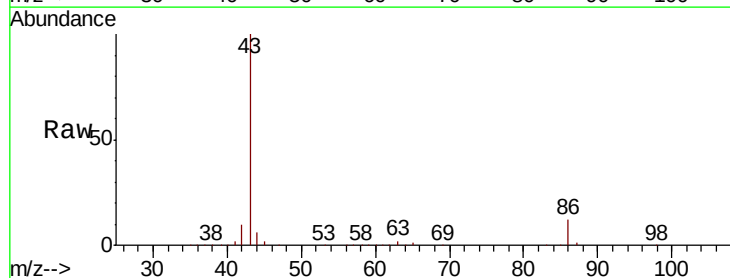
RT: 5.90 min Scan# 1283

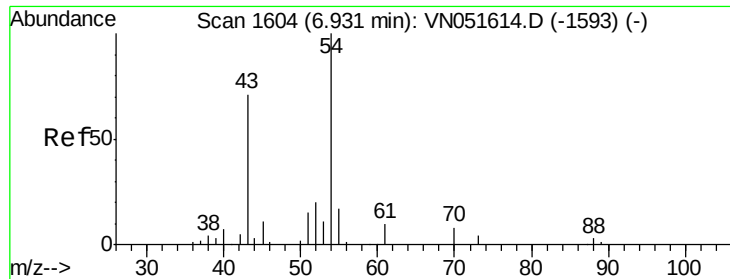
Delta R.T. -0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Tgt Ion:	43	Resp:	759771
Ion Ratio	Lower	Upper	
43	100		
86	9.7	6.6	9.8





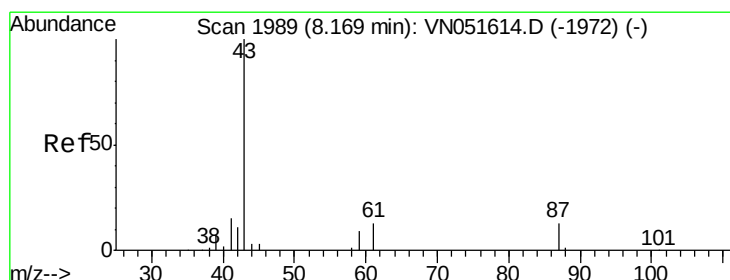
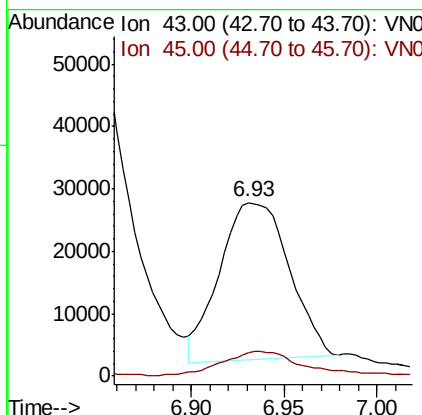
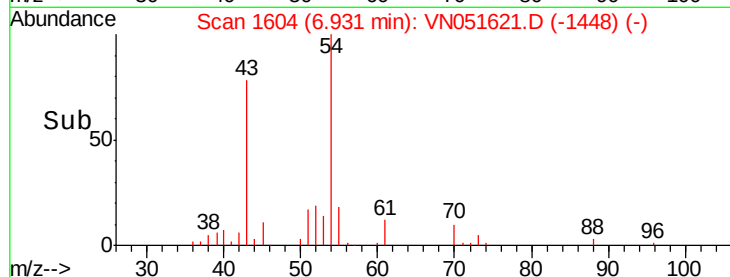
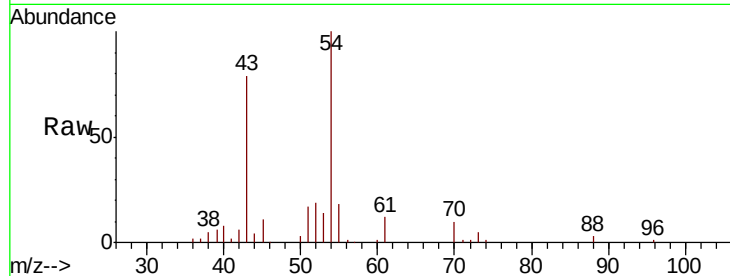
#43
Ethyl Acetate
Concen: 13.063 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Instrument :
MSVOA_N
ClientSampled :
VN0928WBSD01

Tot Ion: 43 Resp: 65495
Ion Ratio Lower Upper
43 100
45 17.1 10.6 16.0#

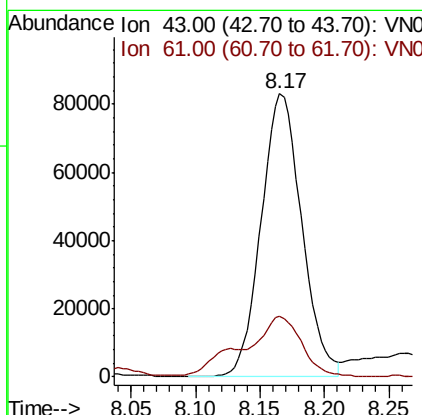
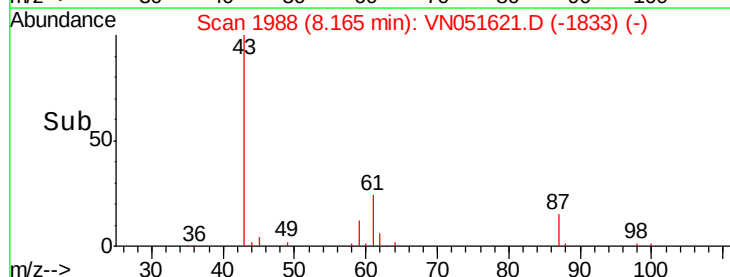
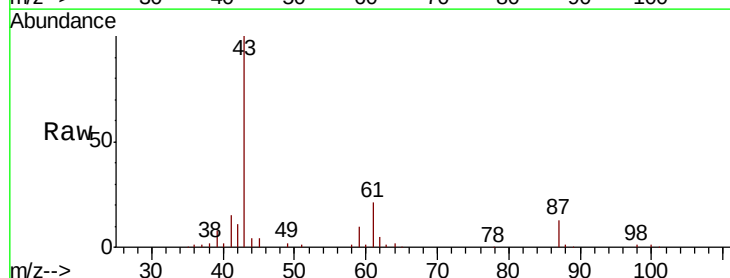
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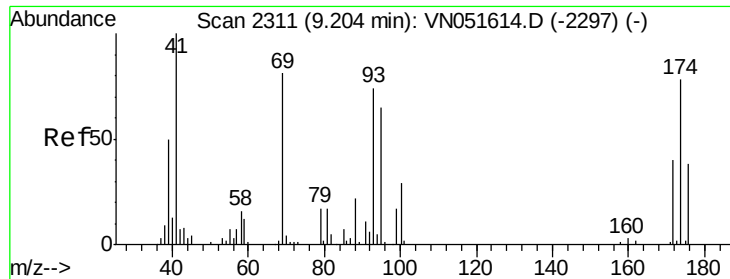
MMDadoda
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#44
Isopropyl Acetate
Concen: 18.622 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Tgt Ion: 43 Resp: 182817
Ion Ratio Lower Upper
43 100
61 19.6 15.4 23.0





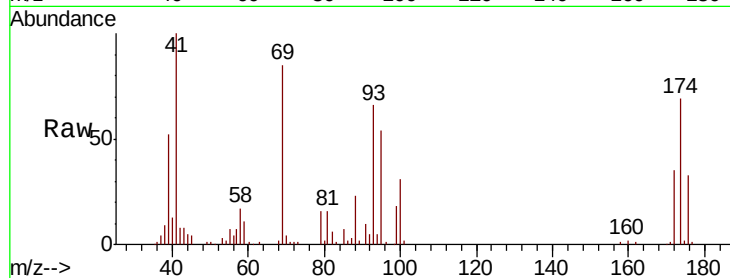
#45
 1,4-Dioxane
 Concen: 411.857 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

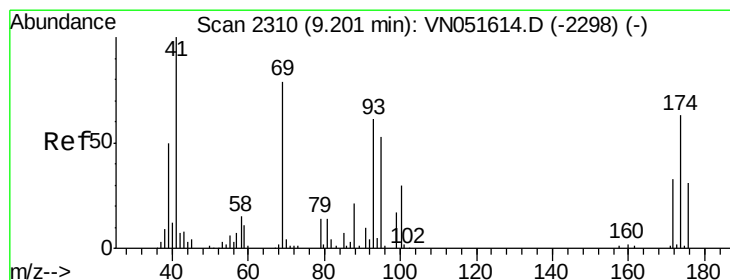
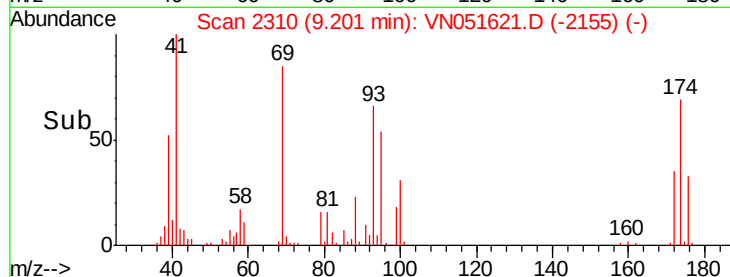
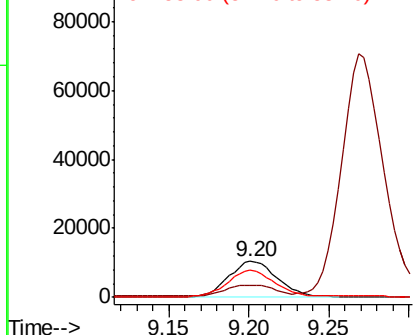
Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	29.0	43.6
58	73.0	59.0	88.6

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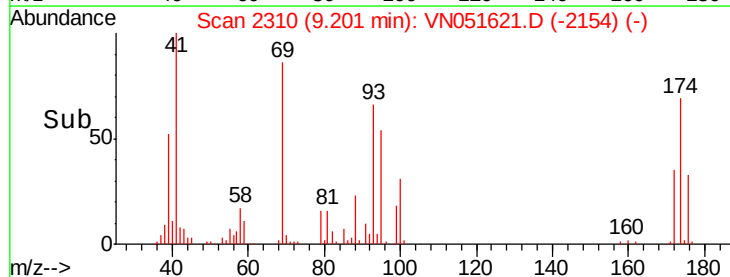
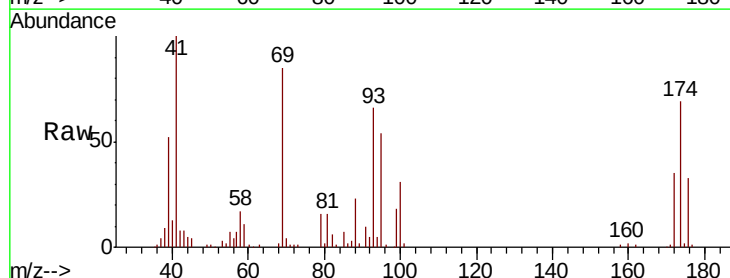
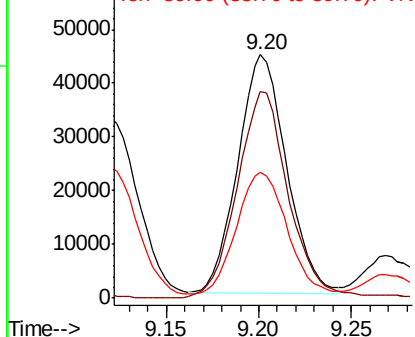
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

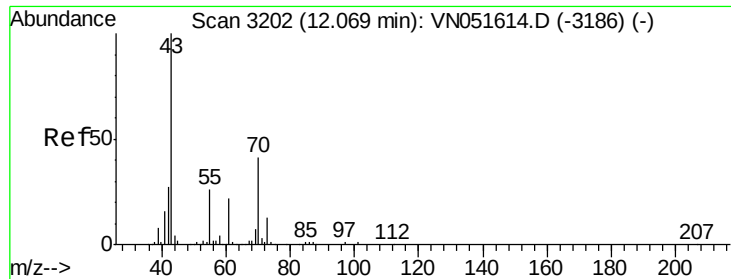


#46
 Methyl methacrylate
 Concen: 17.754 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.3	39.6	118.7
39	51.4	24.9	74.6

Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 11.992 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion: 43 Resp: 88088

Ion Ratio Lower Upper

43 100

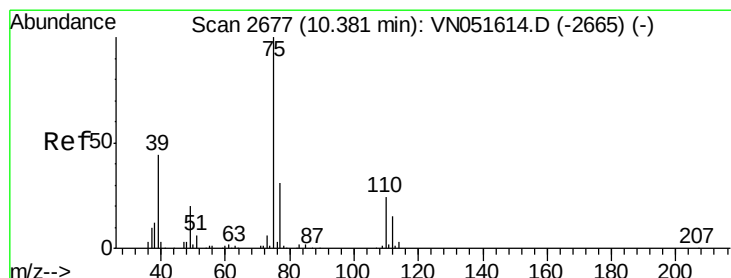
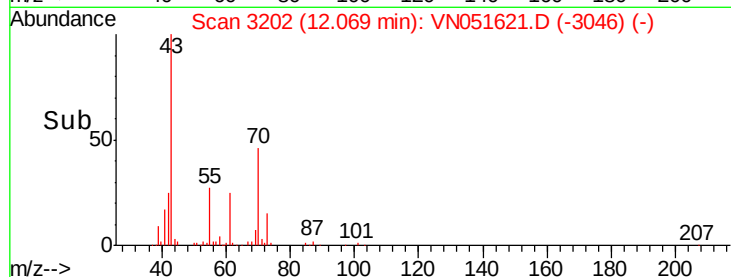
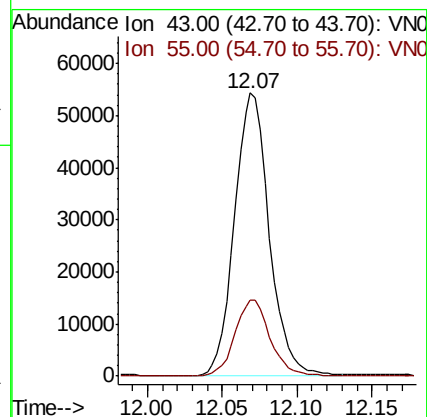
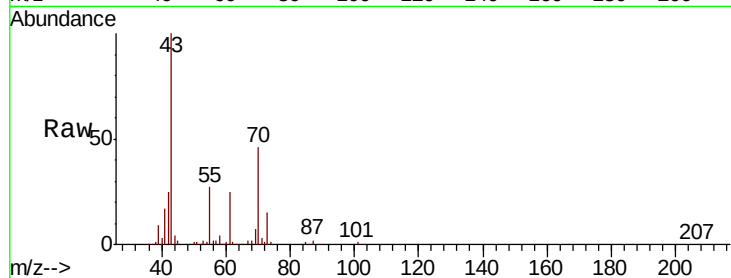
55 27.0 21.5 32.3

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 17.055 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051621.D

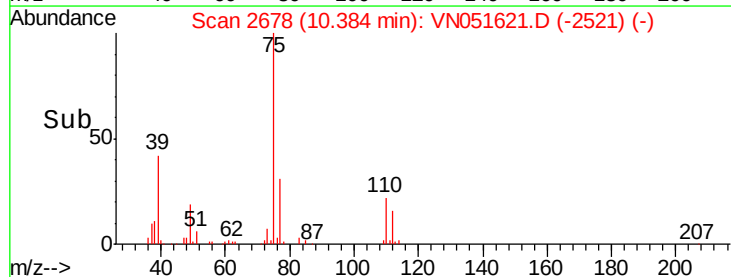
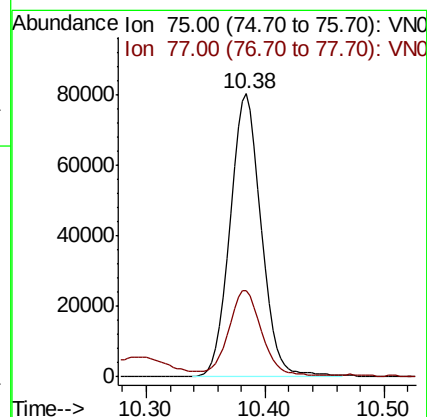
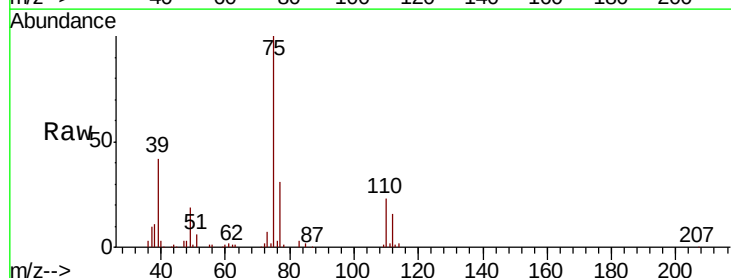
Acq: 28 Sep 2018 17:58

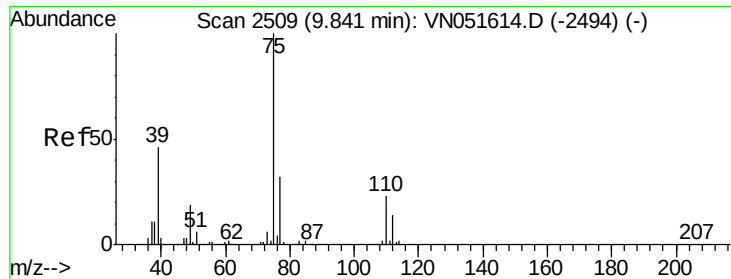
Tgt Ion: 75 Resp: 146032

Ion Ratio Lower Upper

75 100

77 30.1 26.0 39.0





#49

cis-1,3-Dichloropropene

Concen: 19.454 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

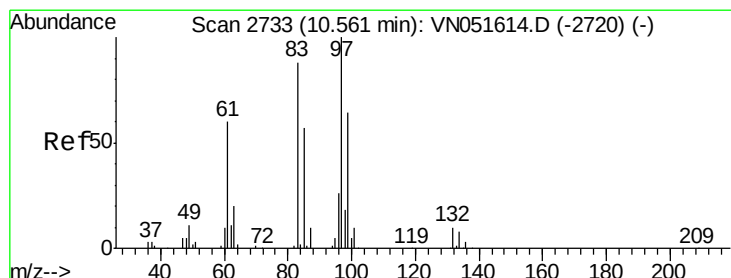
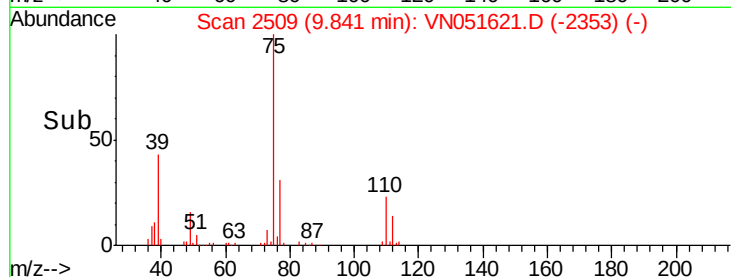
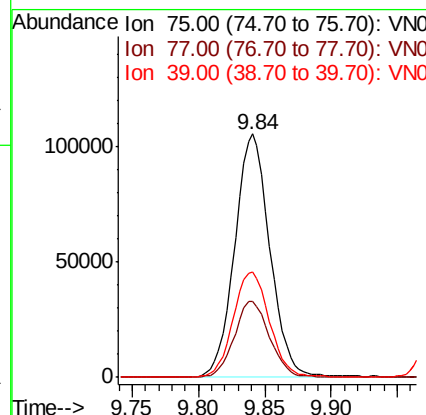
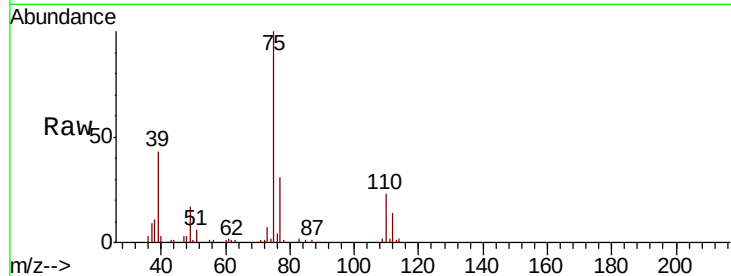
ClientSampleId :

VN0928WBSD01

Tot Ion:	75	Resp:	194749
Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0
39	43.0	36.6	55.0

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 17.386 ug/l

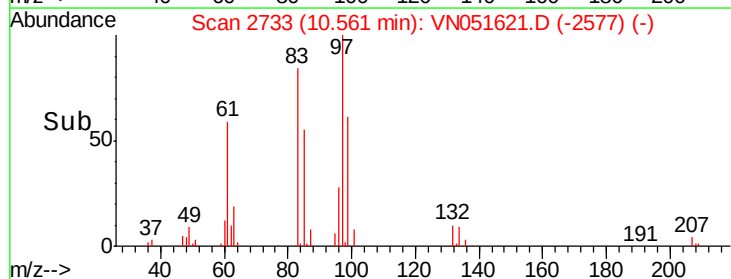
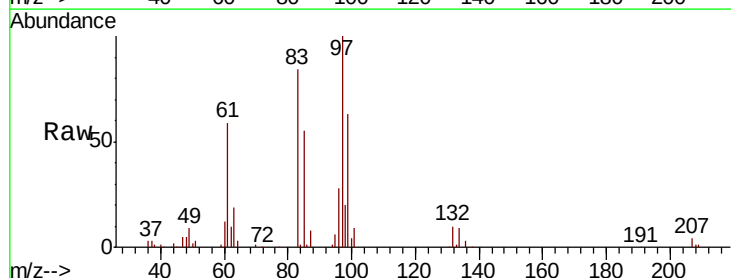
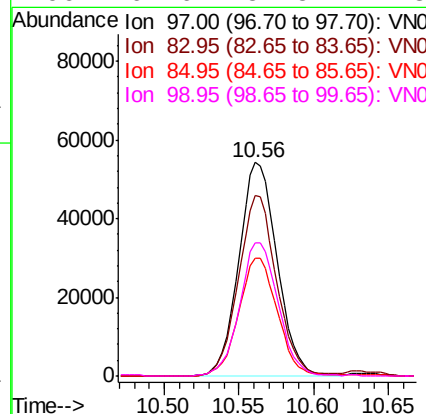
RT: 10.56 min Scan# 2733

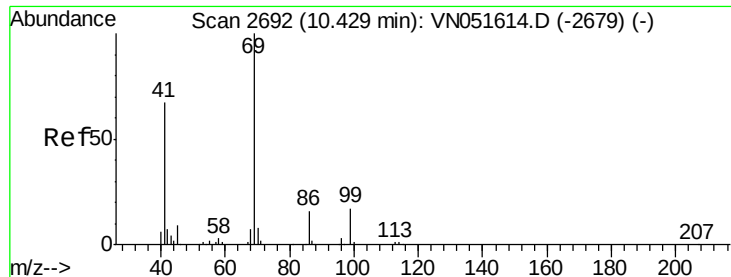
Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Tgt Ion:	97	Resp:	96569
Ion	Ratio	Lower	Upper
97	100		
83	84.3	70.2	105.2
85	55.4	45.6	68.4
99	62.6	51.5	77.3





#51

Ethyl methacrylate

Concen: 17.196 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

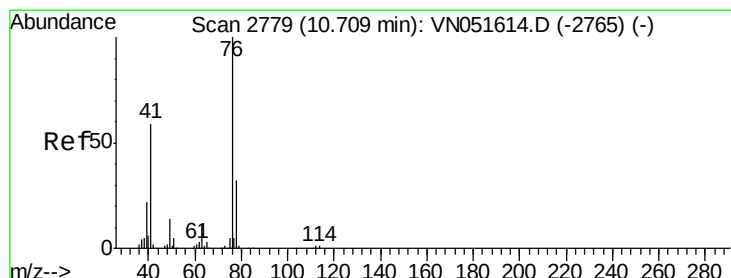
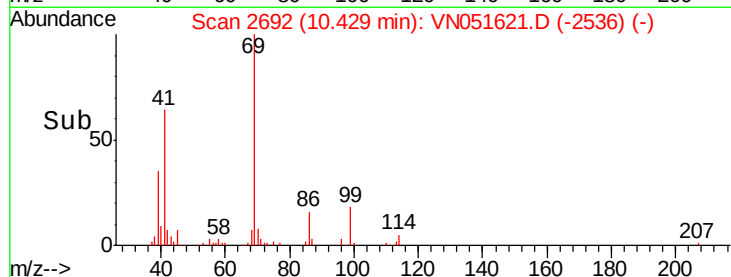
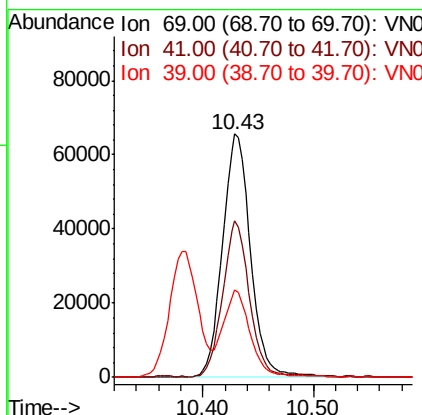
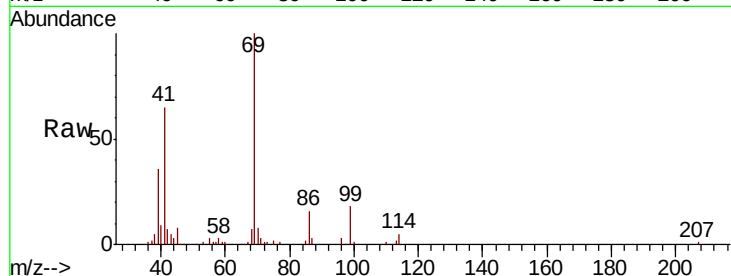
ClientSampleId :

VN0928WBSD01

Tot Ion:	69	Resp:	115883
Ion	Ratio	Lower	Upper
69	100		
41	64.2	33.3	99.8
39	35.7	17.2	51.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 14.697 ug/l

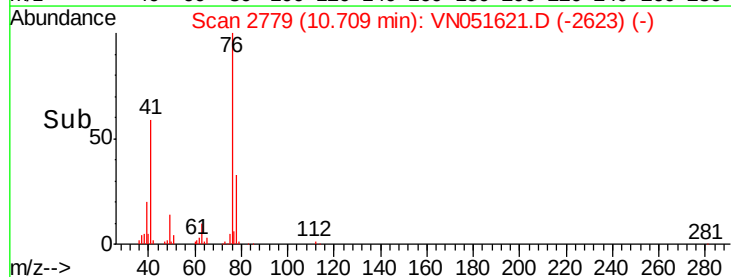
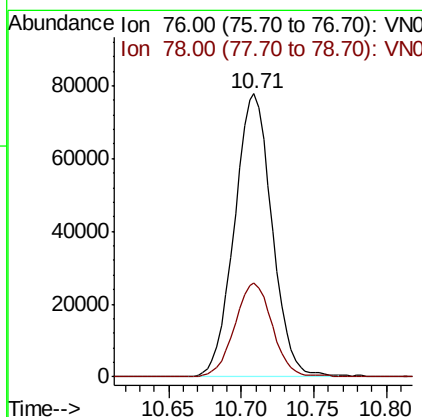
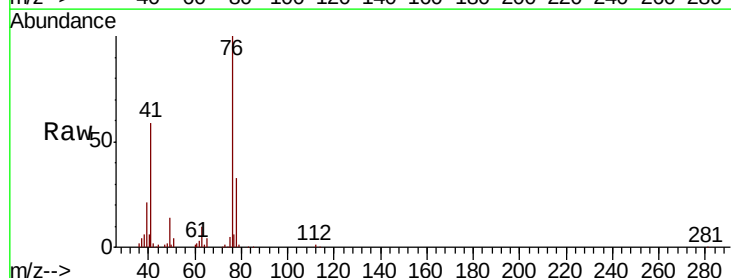
RT: 10.71 min Scan# 2779

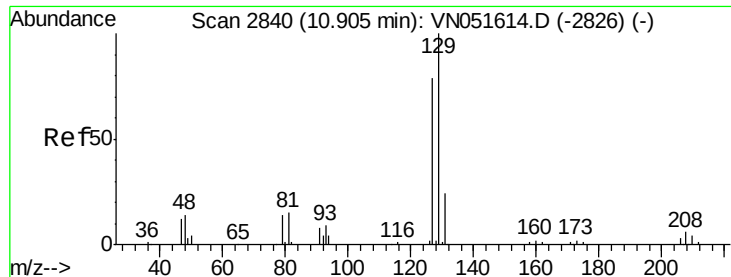
Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Tgt Ion:	76	Resp:	139969
Ion	Ratio	Lower	Upper
76	100		
78	33.3	0.0	63.4





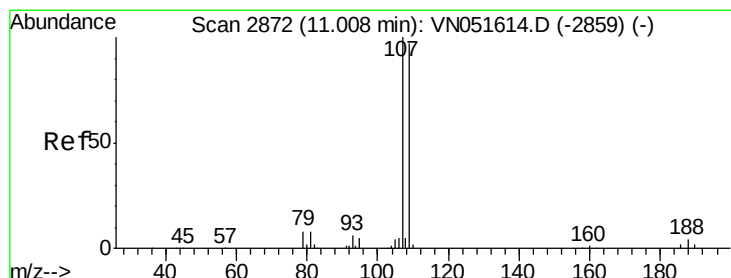
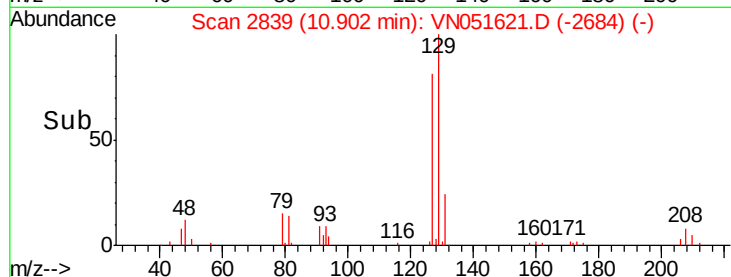
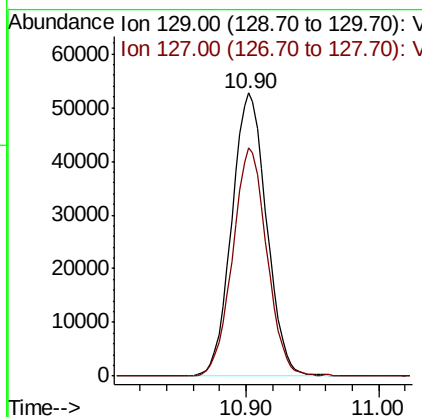
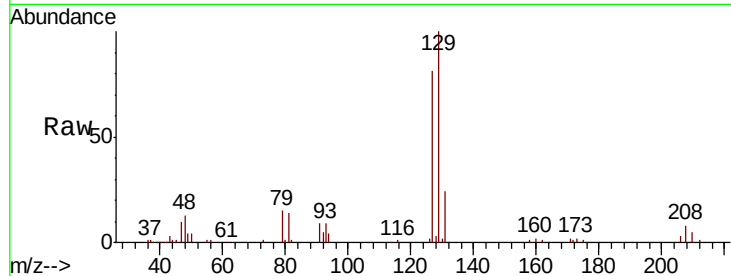
#53
Dibromochloromethane
Concen: 15.205 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion:129 Resp: 96186
Ion Ratio Lower Upper
129 100
127 79.0 38.9 116.7

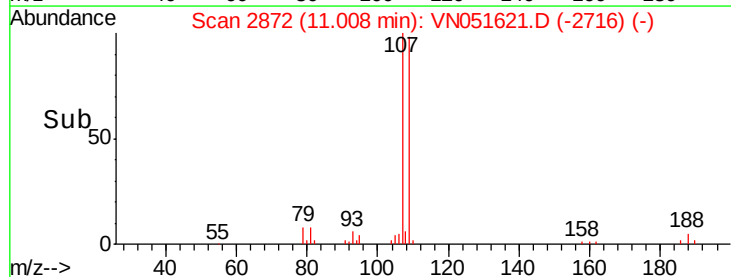
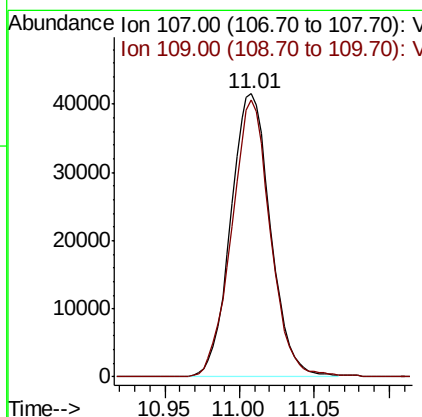
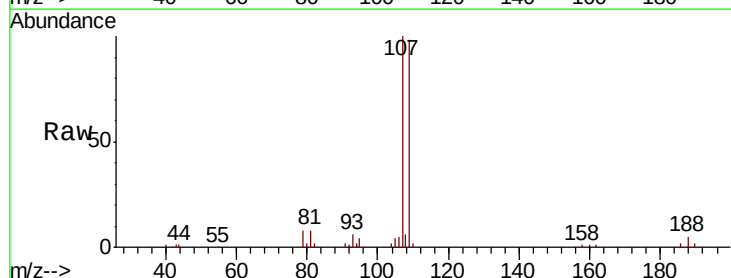
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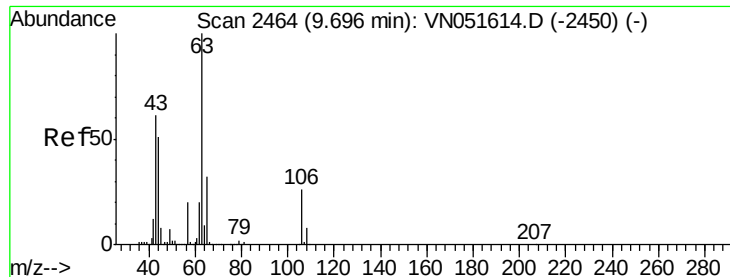
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#54
1,2-Dibromoethane
Concen: 14.445 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Tgt Ion:107 Resp: 76985
Ion Ratio Lower Upper
107 100
109 95.1 76.5 114.7





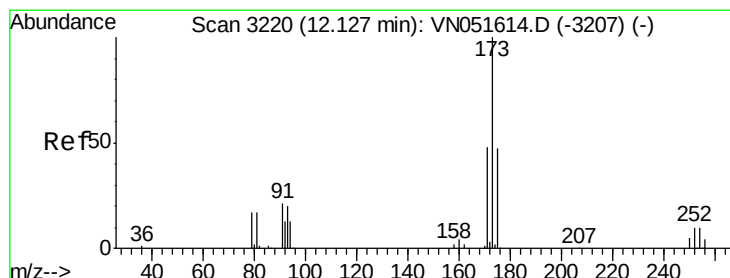
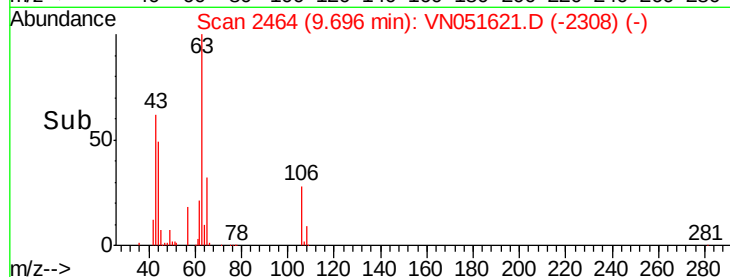
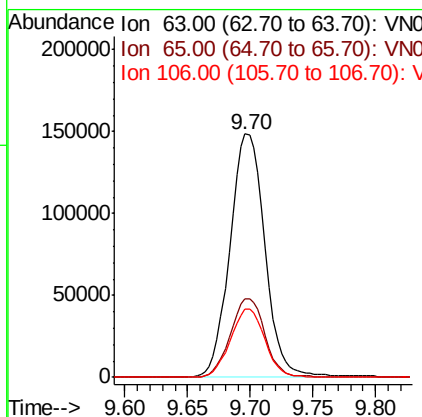
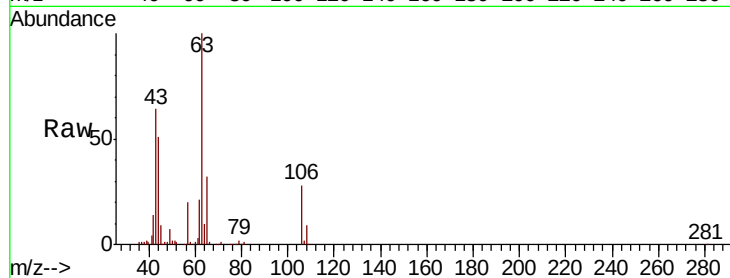
#55
 2-Chloroethyl vinyl ether
 Concen: 86.506 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Tot Ion:	63	Resp:	288144
Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.8	38.6
106	27.7	20.4	30.6

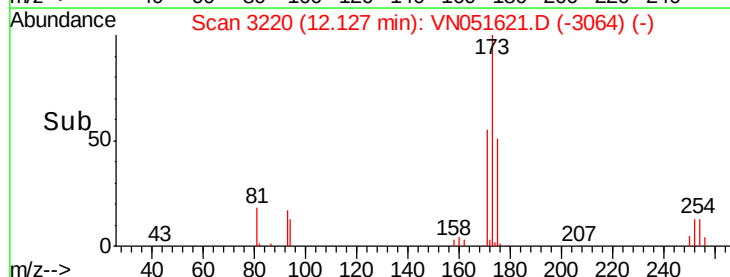
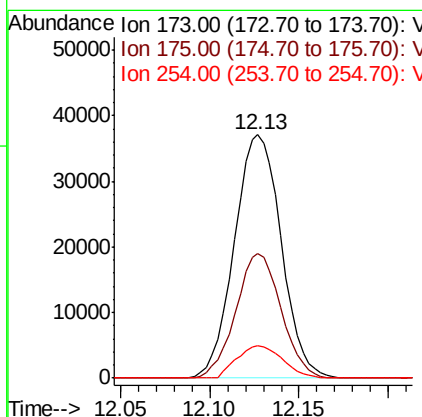
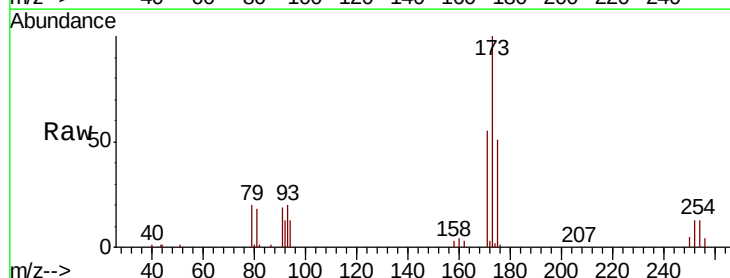
Manual Integrations
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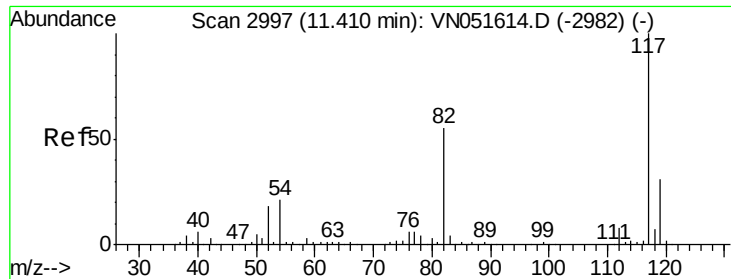
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#56
 Bromoform
 Concen: 16.162 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Tgt Ion:	173	Resp:	67842
Ion	Ratio	Lower	Upper
173	100		
175	49.4	39.0	58.4
254	12.9	8.7	13.1





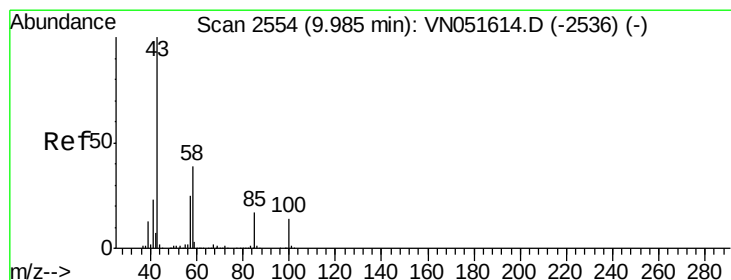
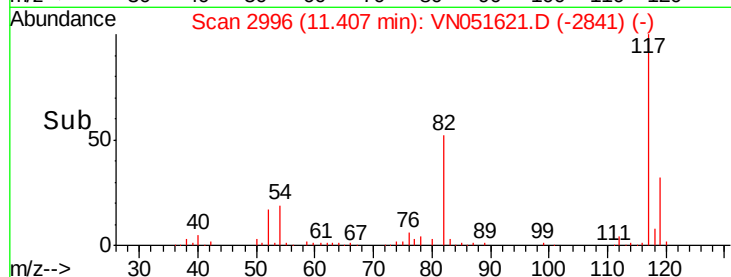
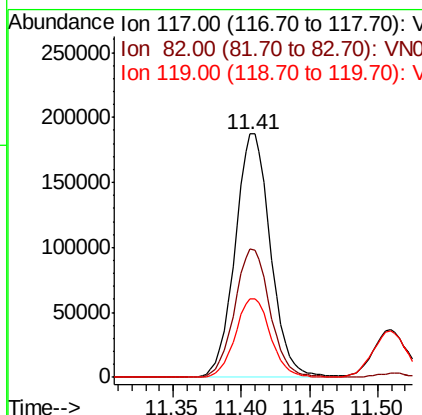
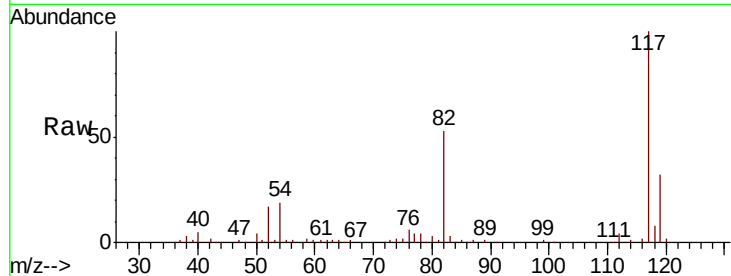
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Instrument :
MSVOA_N
ClientSampled :
VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	44.2	66.2
119	32.2	25.2	37.8

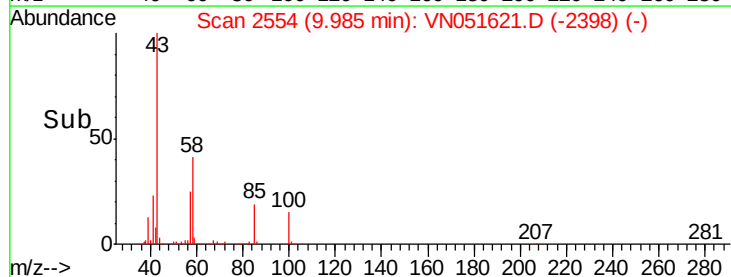
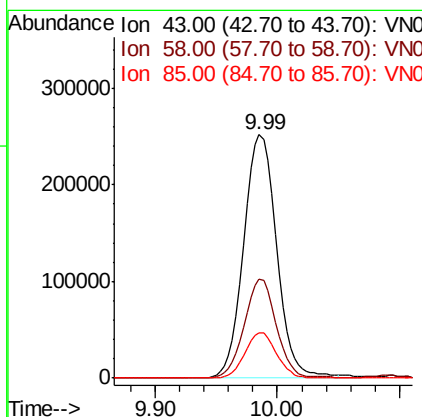
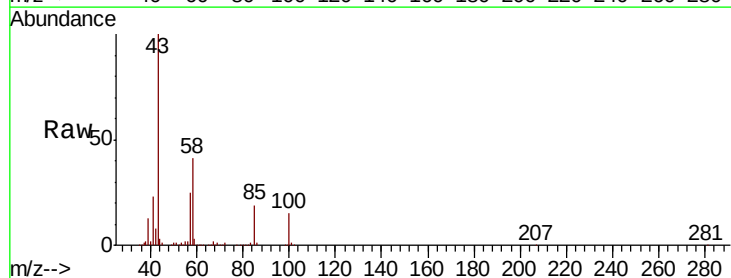
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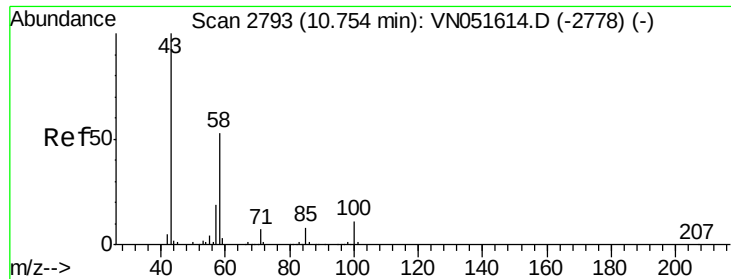
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#58
4-Methyl-2-Pentanone
Concen: 122.096 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.0	46.4
85	18.0	13.4	20.2





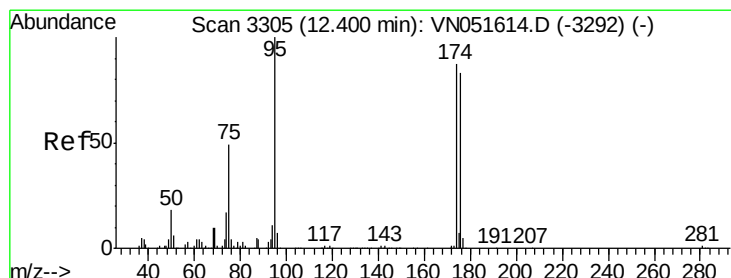
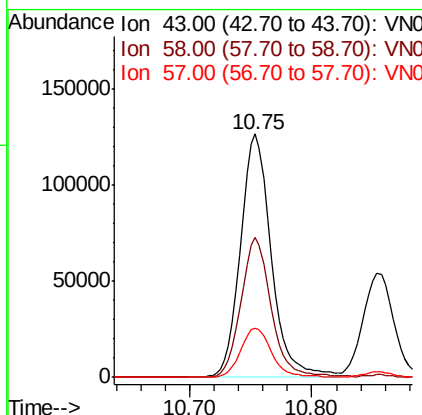
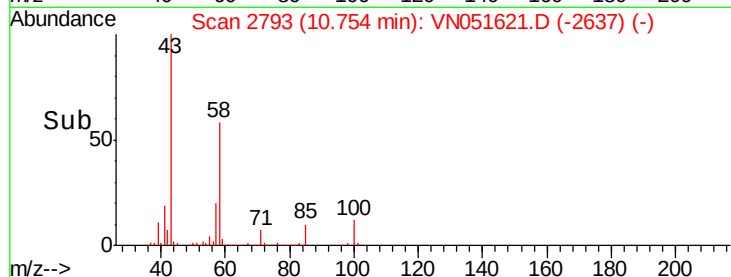
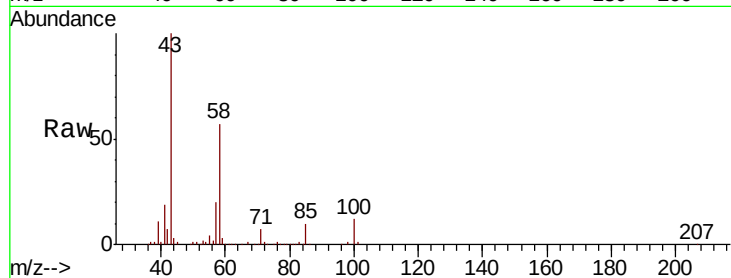
#59
2-Hexanone
Concen: 87.267 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.5	41.5	62.3
57	20.2	14.2	21.4

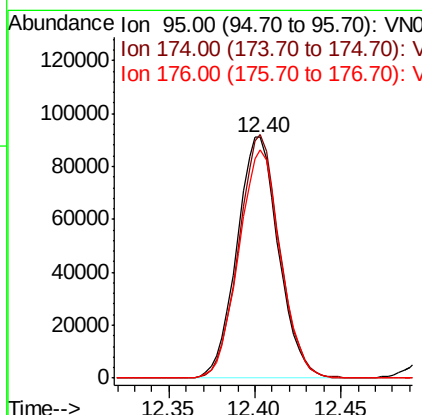
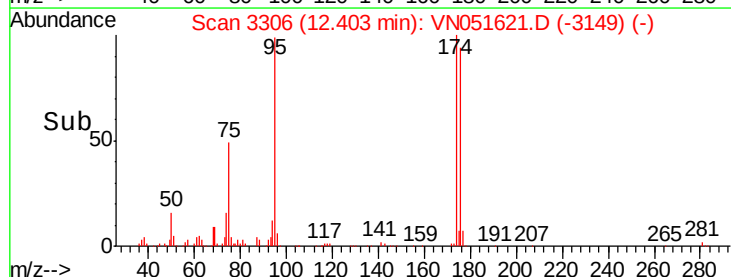
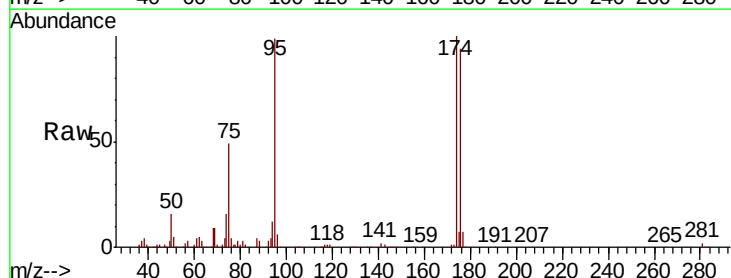
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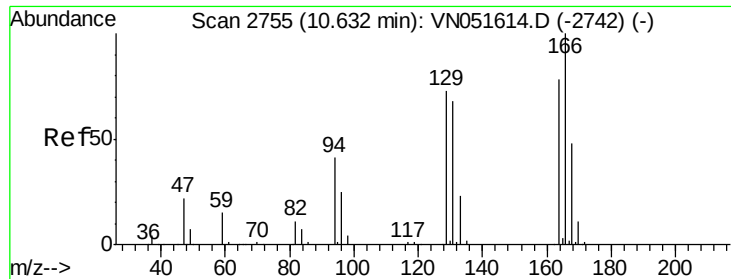
MMDadoda
10/3/2018 5:27:45 PM



#60
4-Bromofluorobenzene
Concen: 87.267 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.1	71.2	106.8
176	94.5	67.8	101.8





#61

Tetrachloroethene

Concen: 22.834 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion:164 Resp: 109138

Ion Ratio Lower Upper

164 100

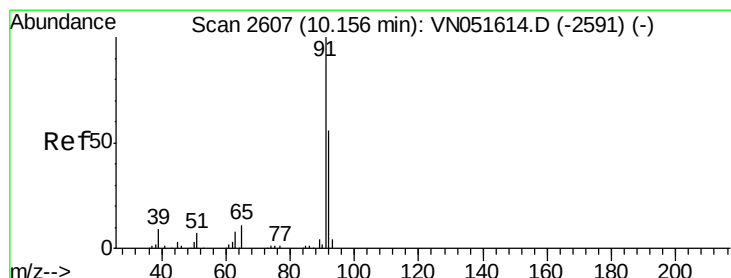
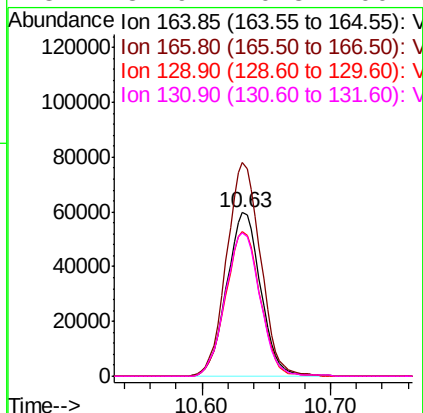
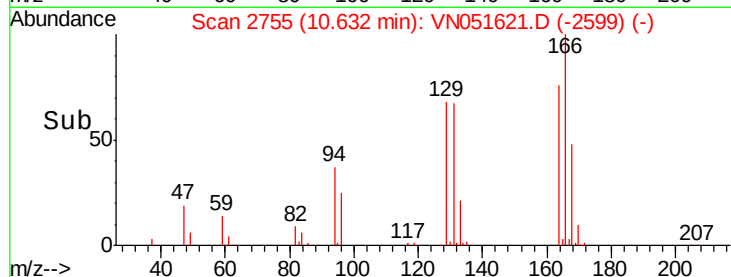
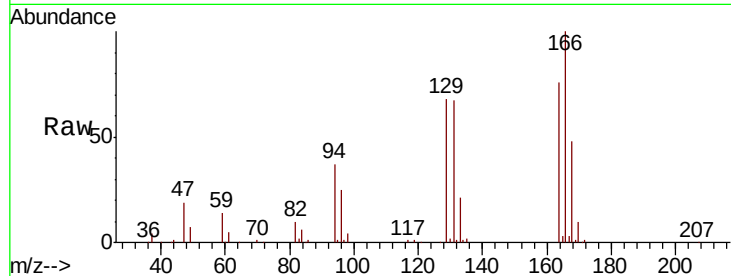
166 130.8 103.1 154.7

129 88.7 75.3 112.9

131 87.9 70.8 106.2

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#62

Toluene

Concen: 25.555 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051621.D

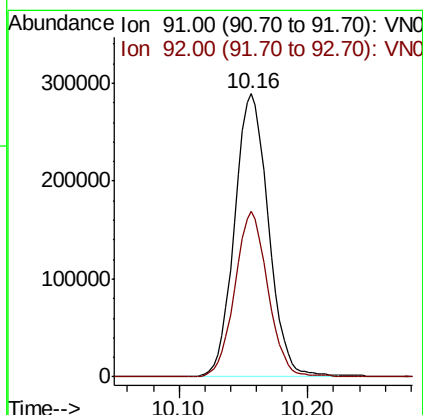
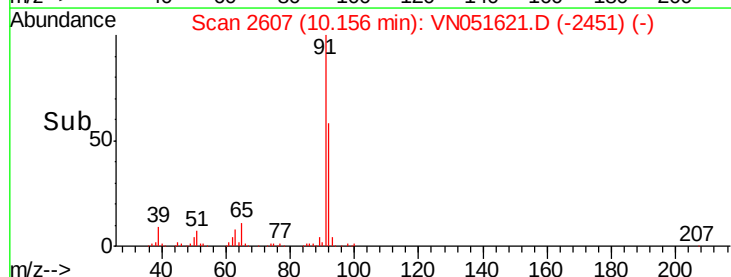
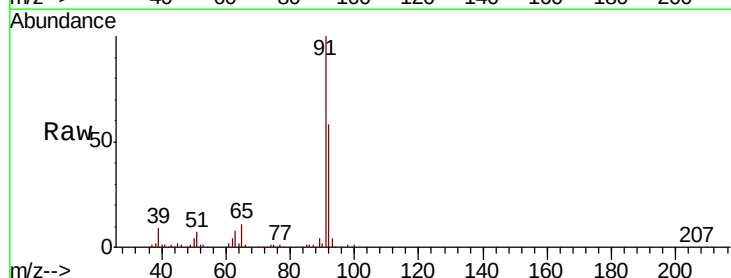
Acq: 28 Sep 2018 17:58

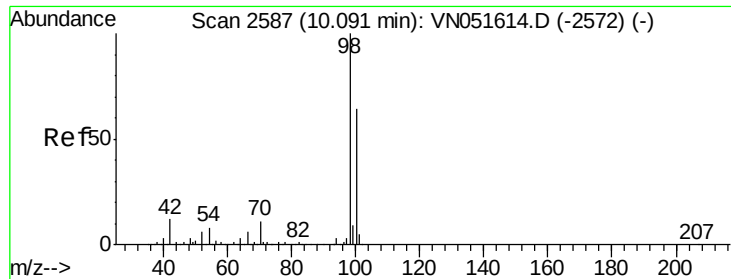
Tgt Ion: 91 Resp: 529003

Ion Ratio Lower Upper

91 100

92 56.8 45.3 67.9





#63

Toluene-d8

Concen: 25.555 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion: 98 Resp: 638667

Ion Ratio Lower Upper

98 100

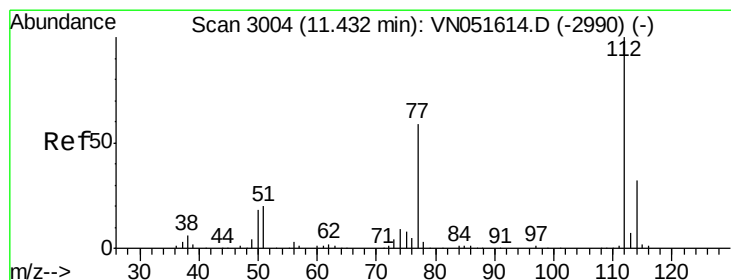
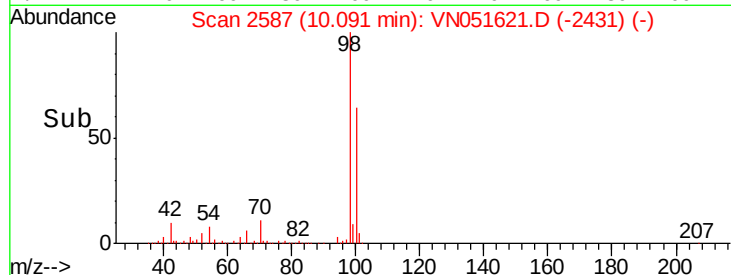
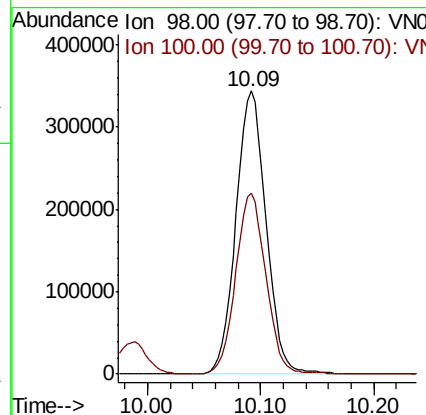
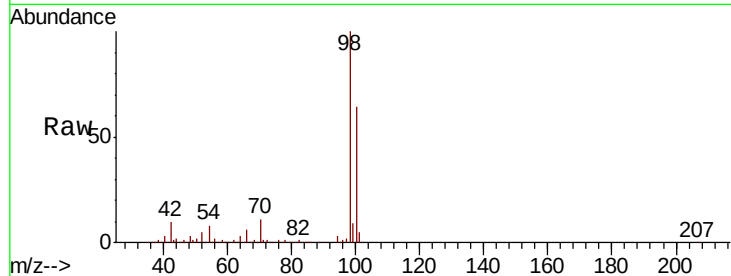
100 63.4 51.4 77.0

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#64

Chlorobenzene

Concen: 19.390 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051621.D

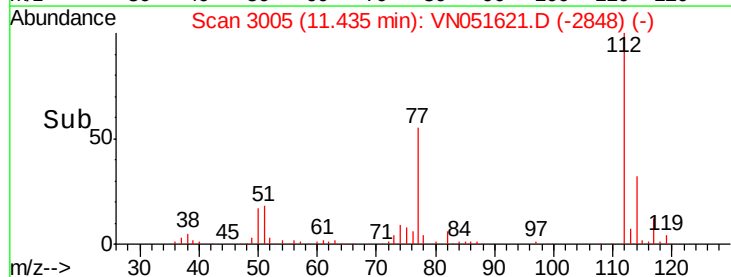
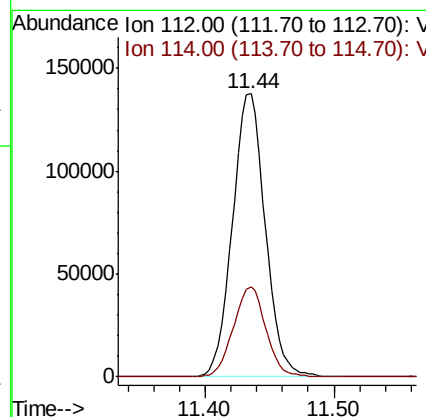
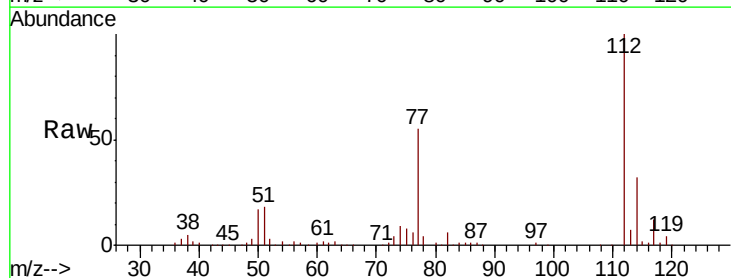
Acq: 28 Sep 2018 17:58

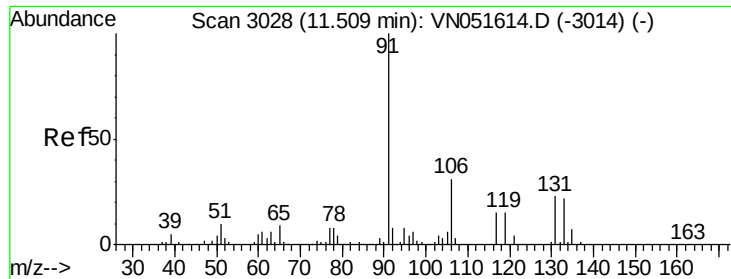
Tgt Ion: 112 Resp: 242684

Ion Ratio Lower Upper

112 100

114 31.9 25.9 38.9





#65

1,1,1,2-Tetrachloroethane

Concen: 20.429 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

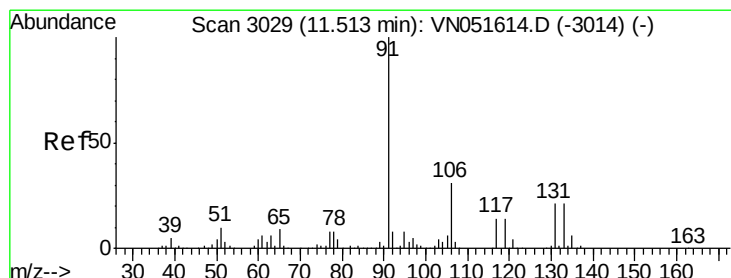
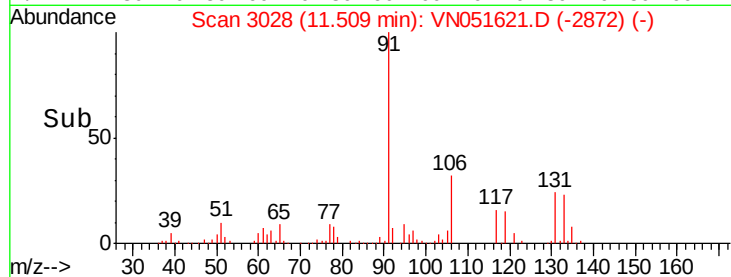
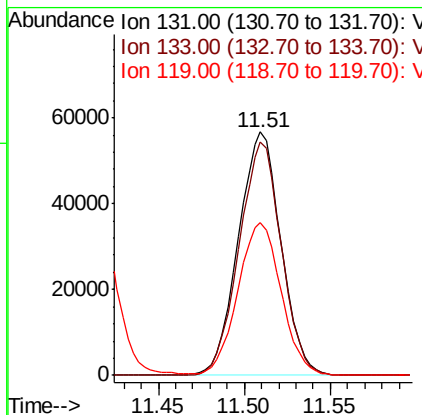
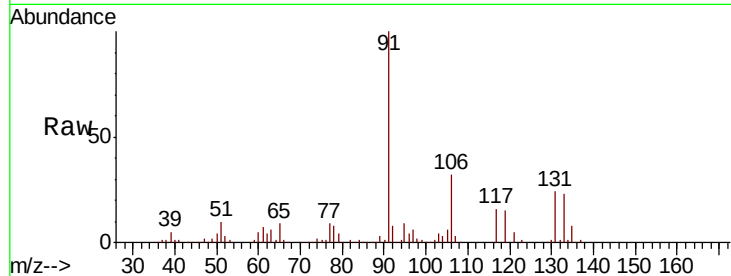
ClientSampled :

VN0928WBSD01

Tot Ion:	131	Resp:	97633
Ion Ratio	Lower	Upper	
131	100		
133	95.0	0.0	193.0
119	63.9	0.0	135.0

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#66

Ethyl Benzene

Concen: 18.650 ug/l

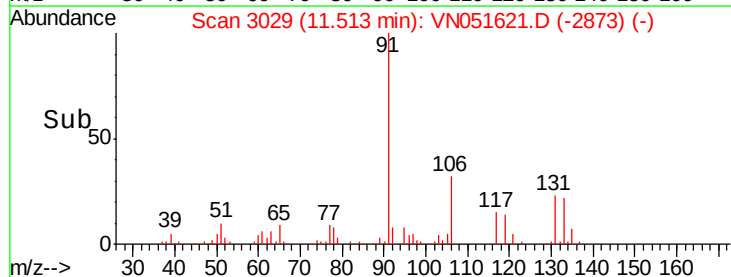
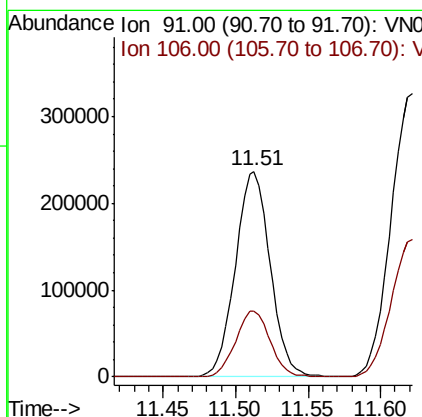
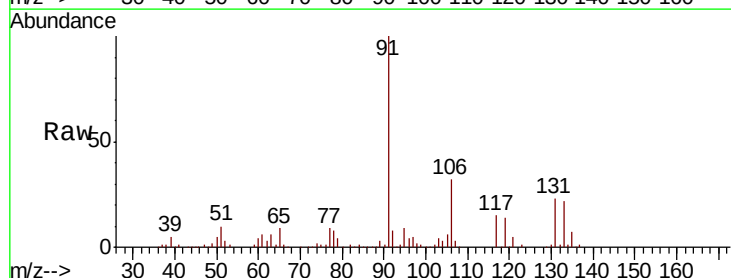
RT: 11.51 min Scan# 3029

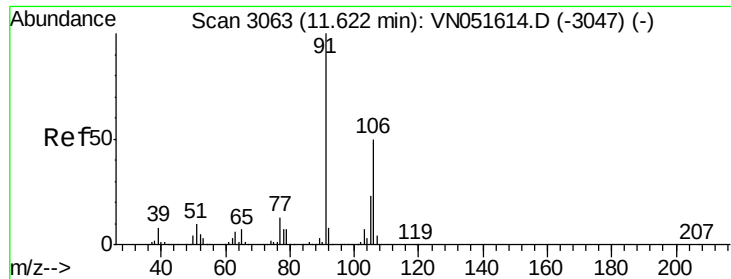
Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Tgt Ion:	91	Resp:	395123
Ion Ratio	Lower	Upper	
91	100		
106	32.3	25.0	37.4





#67

m/p-Xylenes

Concen: 38.537 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

ClientSampled :

VN0928WBSD01

Tot Ion:106 Resp: 314657

Ion Ratio Lower Upper

106 100

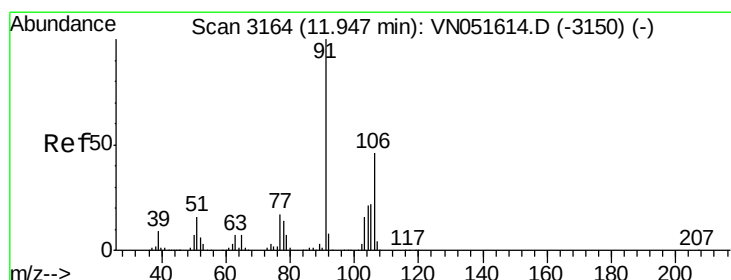
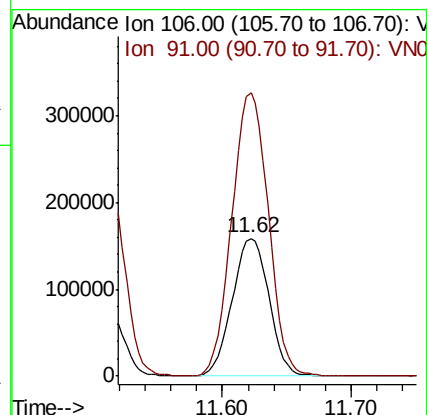
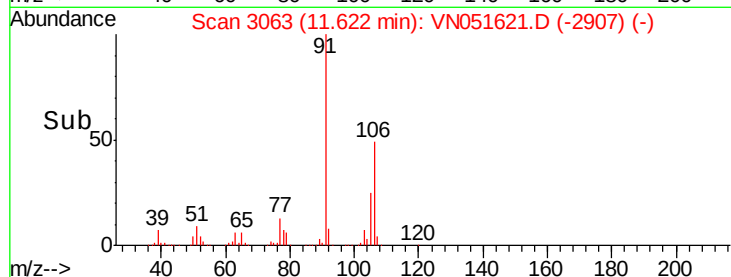
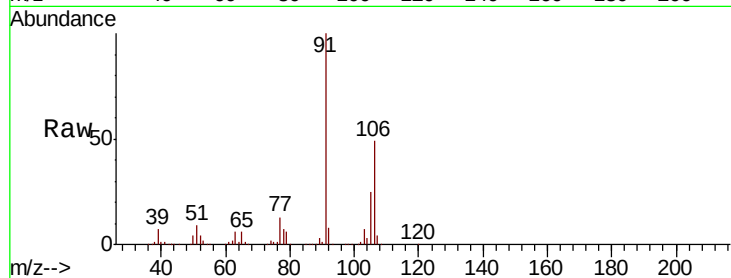
91 203.6 161.5 242.3

Manual Integrations

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#68

o-Xylene

Concen: 19.850 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051621.D

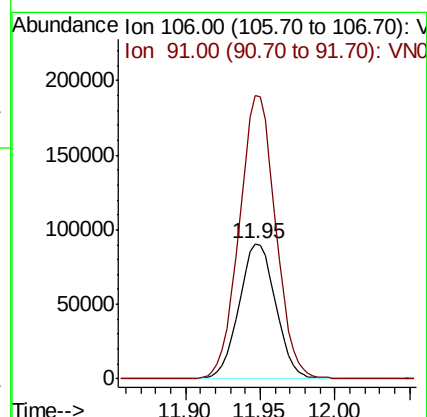
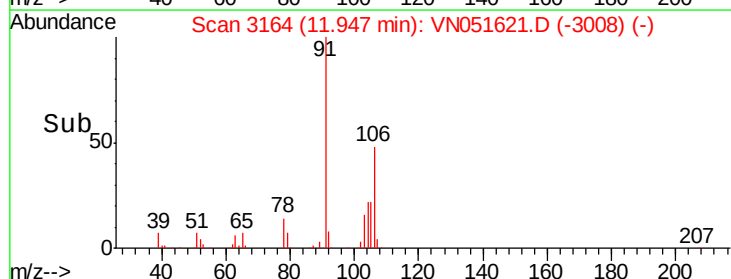
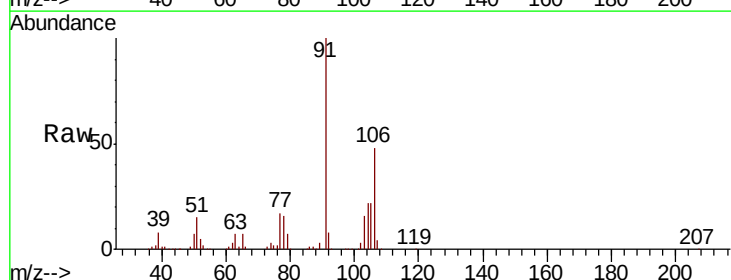
Acq: 28 Sep 2018 17:58

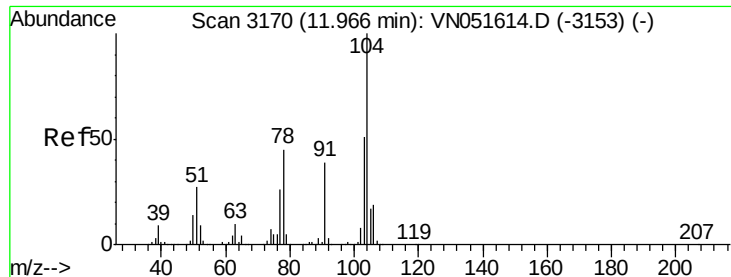
Tgt Ion:106 Resp: 154721

Ion Ratio Lower Upper

106 100

91 207.9 109.7 329.1





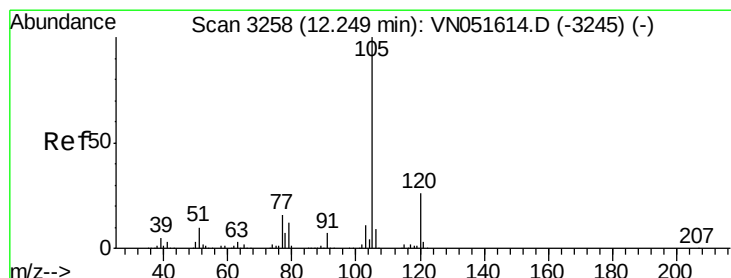
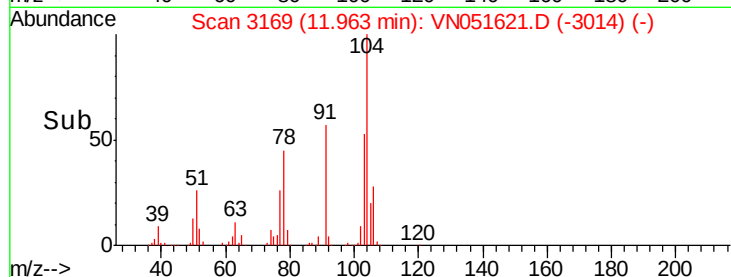
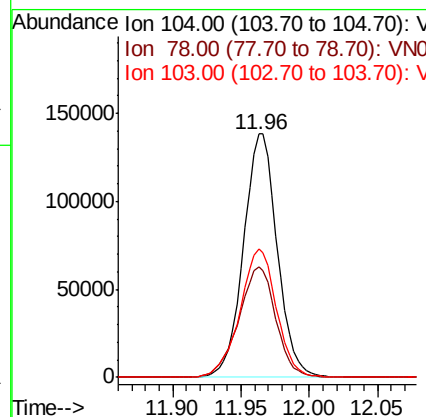
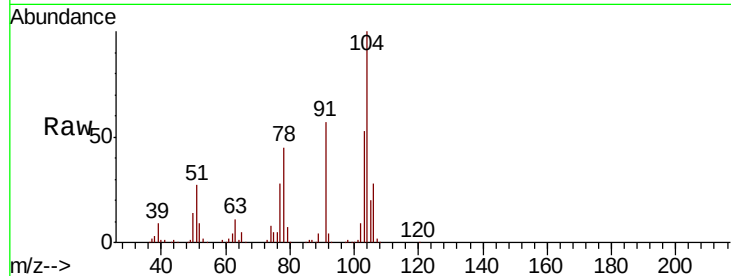
#69
Stvrene
Concen: 19.440 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Instrument :
MSVOA_N
ClientSampled :
VN0928WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	237830		
78	49.9		40.3	60.5
103	56.7		45.7	68.5

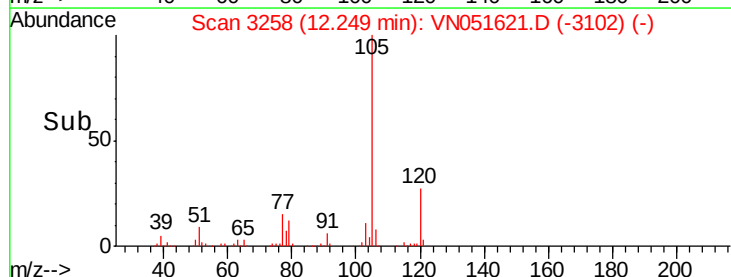
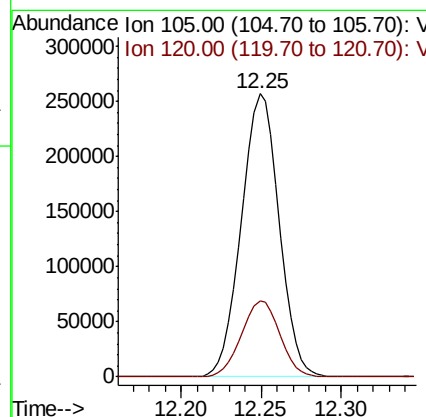
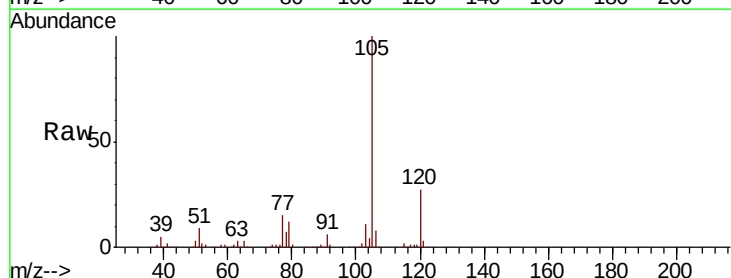
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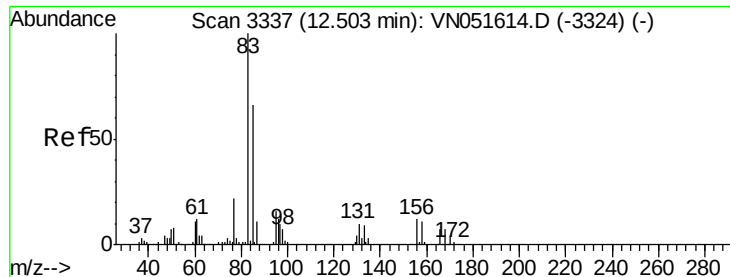
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#70
Isopropylbenzene
Concen: 19.791 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	411484		
120	27.3		18.7	34.7





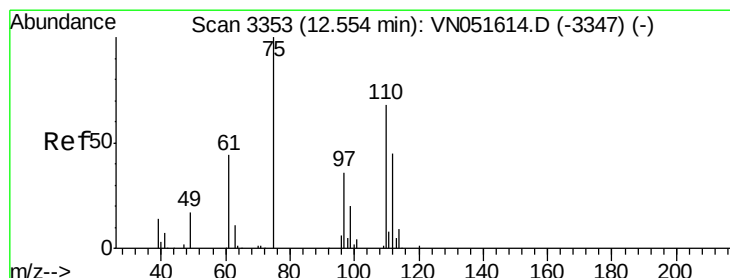
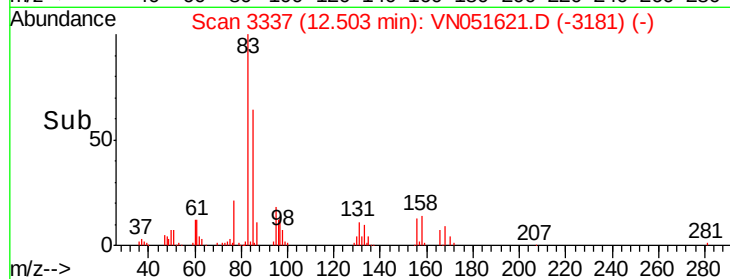
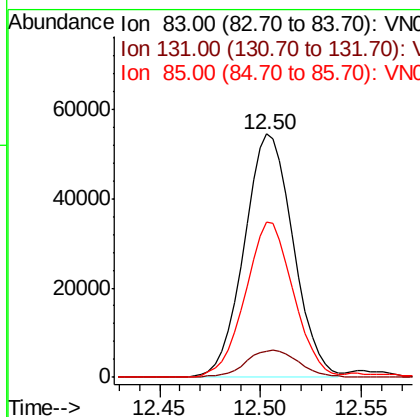
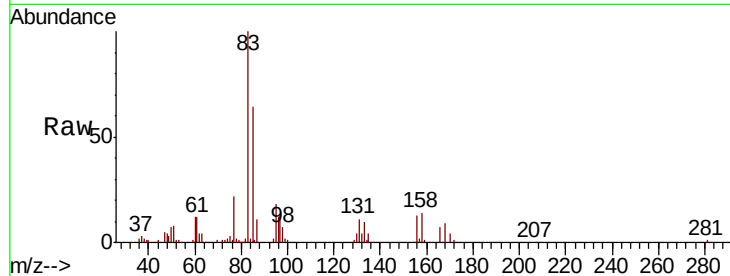
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.387 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
131	12.1	5.2	15.6
85	63.0	32.0	96.2

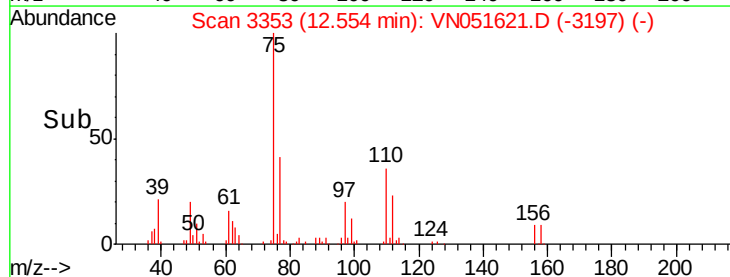
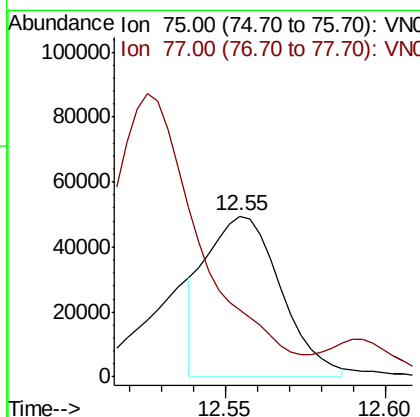
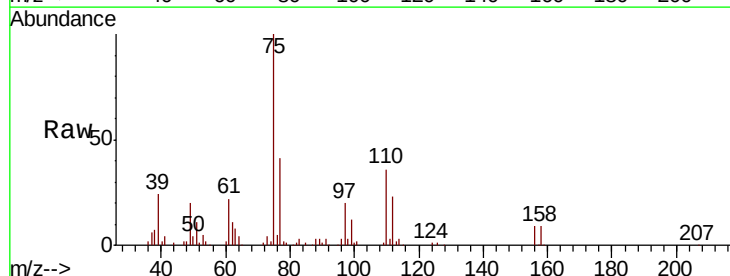
Manual Integrations
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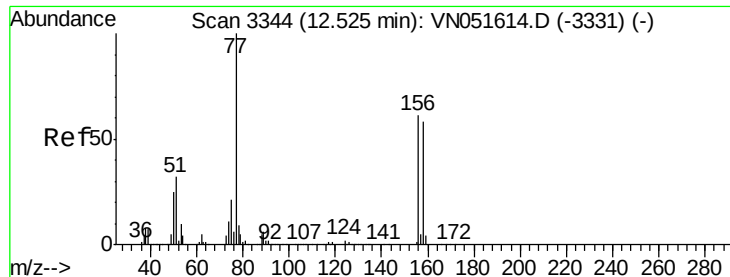
MMDadoda
 10/3/2018 5:27:45 PM



#72
 1,2,3-Trichloropropane
 Concen: 18.819 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	217.1	0.0	492.2





#73

Bromobenzene

Concen: 20.943 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

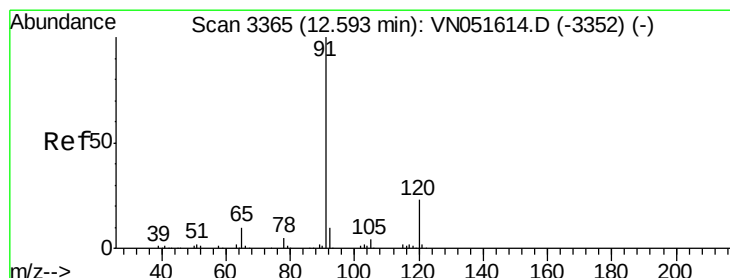
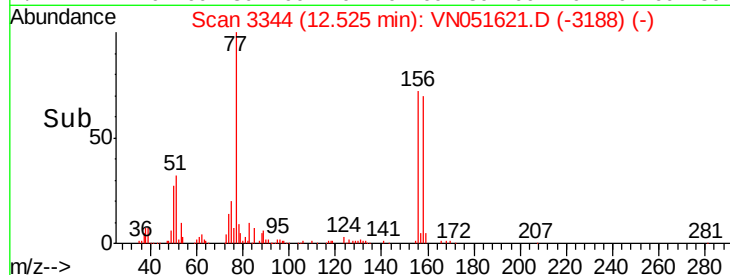
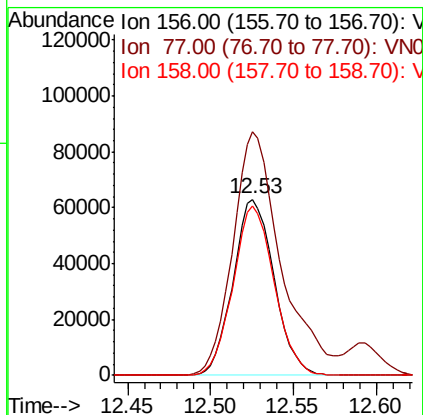
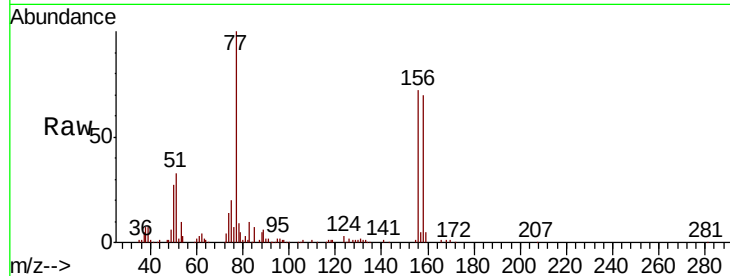
ClientSampled :

VN0928WBSD01

Tot Ion:	156	Resp:	108361
Ion Ratio	Lower	Upper	
156	100		
77	162.2	0.0	385.2
158	96.5	0.0	195.6

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#74

n-propylbenzene

Concen: 18.631 ug/l

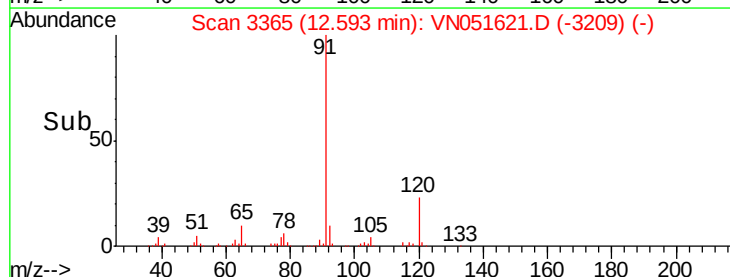
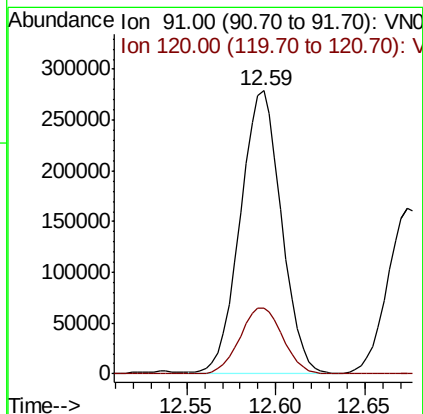
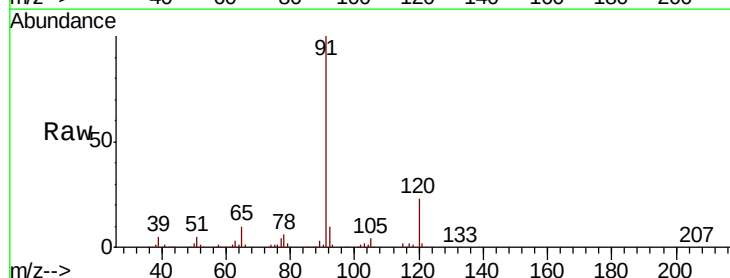
RT: 12.59 min Scan# 3365

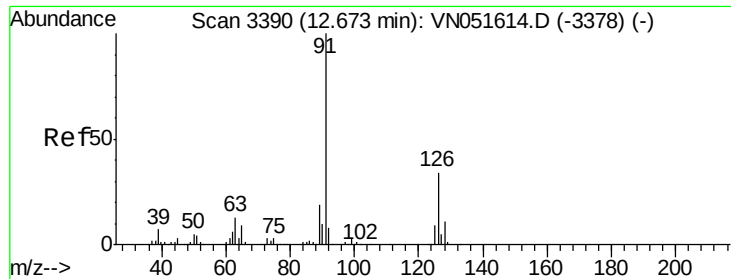
Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Tgt Ion:	91	Resp:	450940
Ion Ratio	Lower	Upper	
91	100		
120	24.2	0.0	45.4





#75

2-Chlorotoluene

Concen: 19.092 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion: 91 Resp: 275943

Ion Ratio Lower Upper

91 100

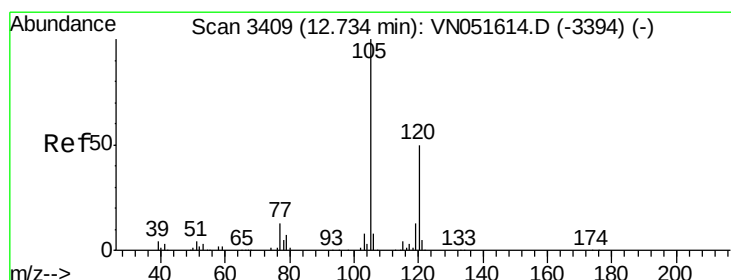
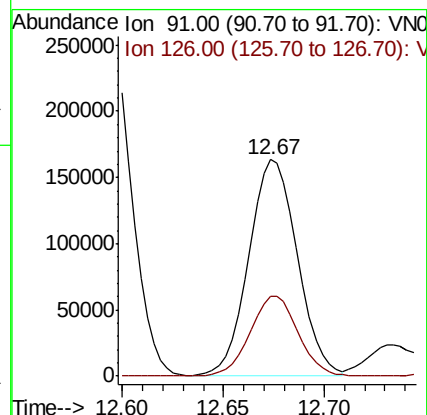
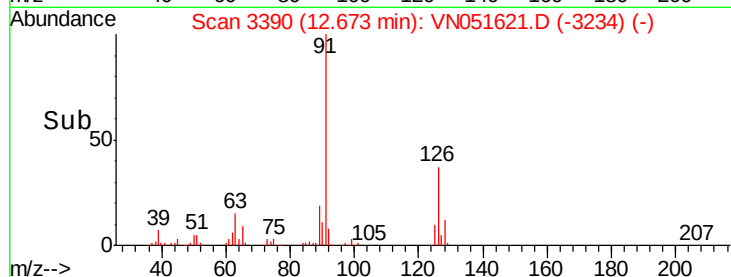
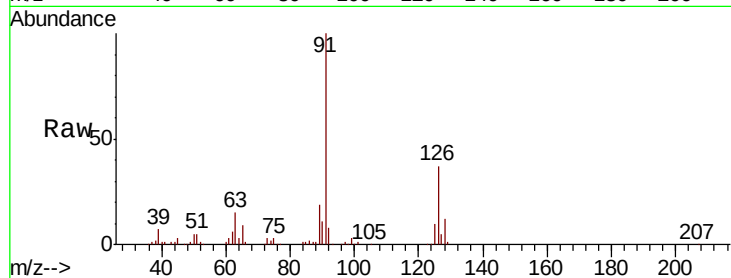
126 36.4 0.0 69.2

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#76

1,3,5-Trimethylbenzene

Concen: 20.288 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051621.D

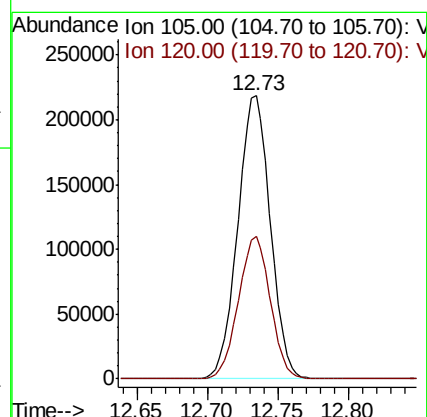
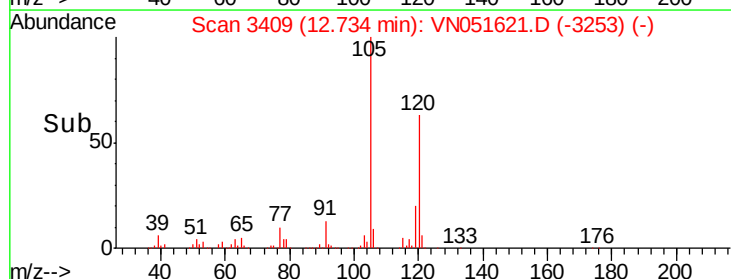
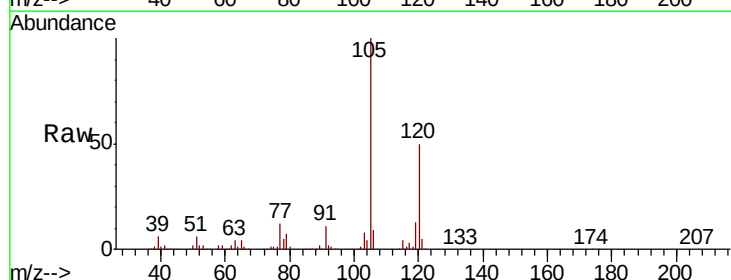
Acq: 28 Sep 2018 17:58

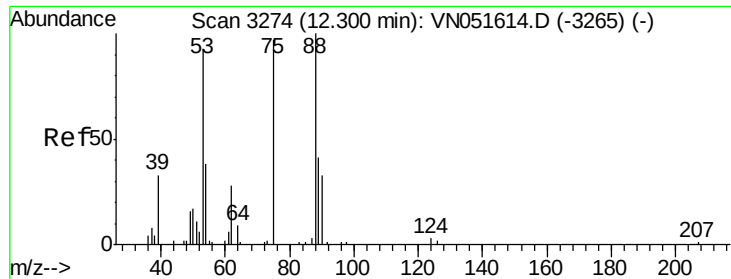
Tgt Ion: 105 Resp: 352463

Ion Ratio Lower Upper

105 100

120 49.4 0.0 99.8





#77

t-1,4-Dichloro-2-butene

Concen: 17.360 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

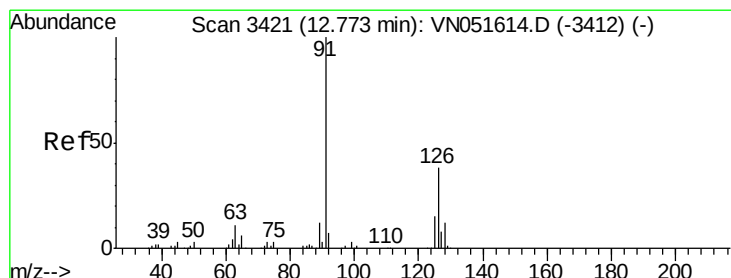
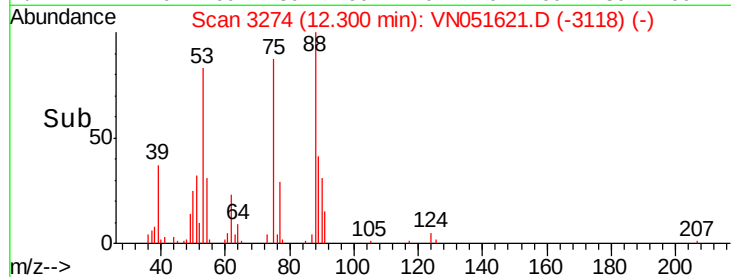
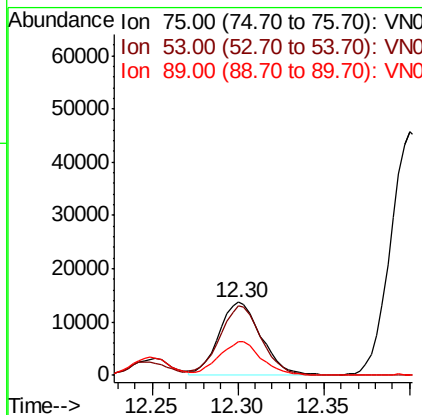
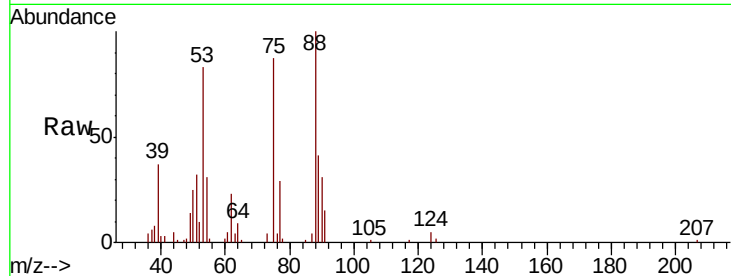
ClientSampleId :

VN0928WBSD01

Tot Ion:	75	Resp:	23646
Ion	Ratio	Lower	Upper
75	100		
53	94.0	48.1	144.4
89	46.9	22.4	67.3

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#78

4-Chlorotoluene

Concen: 19.052 ug/l

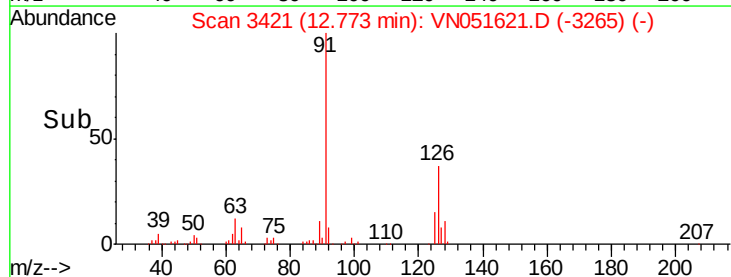
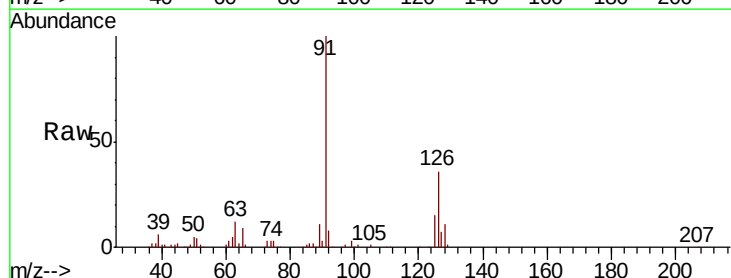
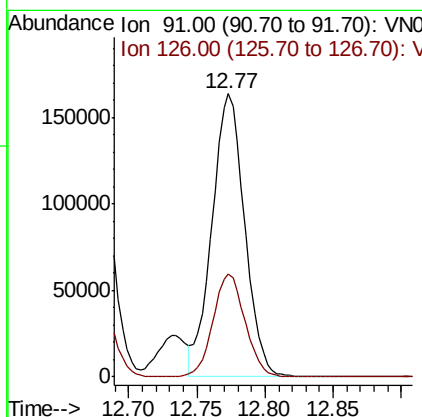
RT: 12.77 min Scan# 3421

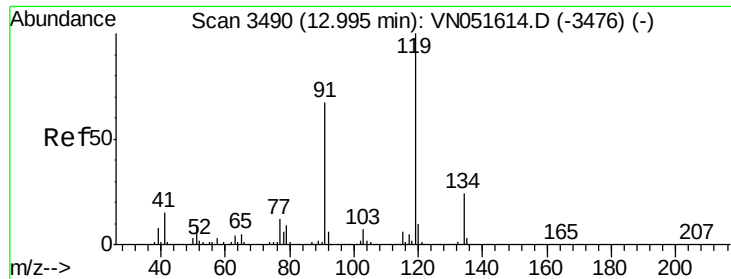
Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Tgt Ion:	91	Resp:	272000
Ion	Ratio	Lower	Upper
91	100		
126	35.7	0.0	68.6





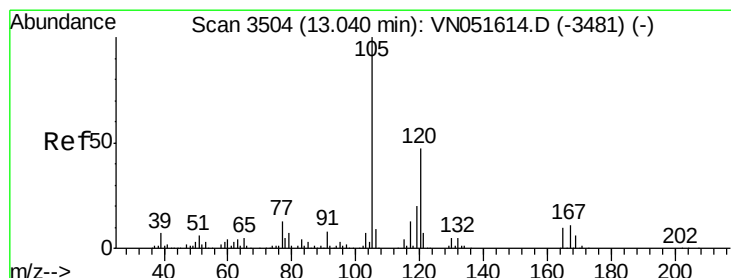
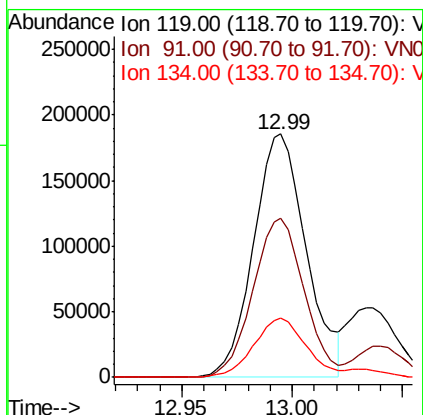
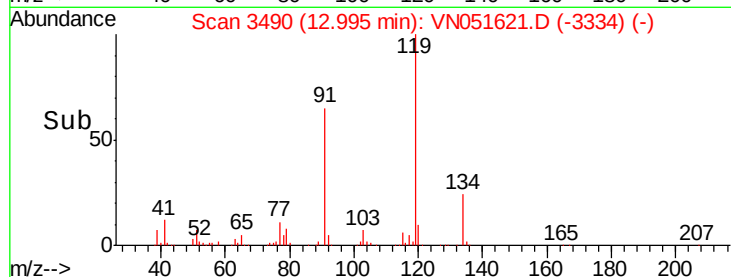
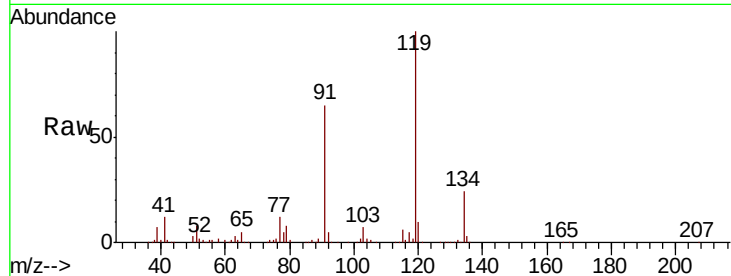
#79
tert-butylbenzene
Concen: 20.459 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	307927		
91	63.3	0.0	132.4	
134	24.4	0.0	48.4	

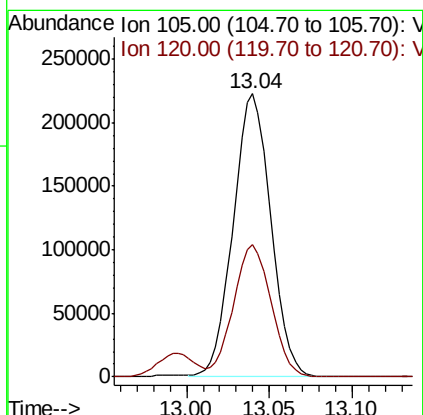
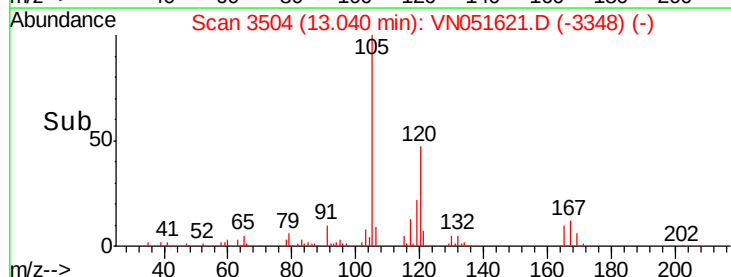
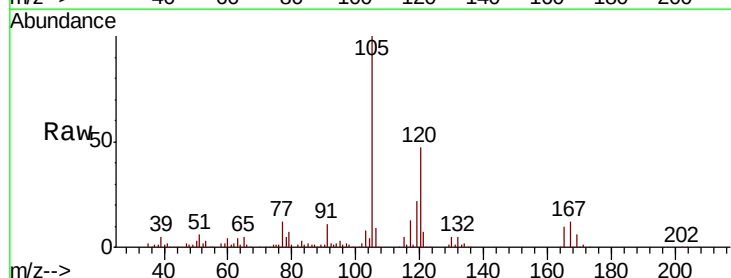
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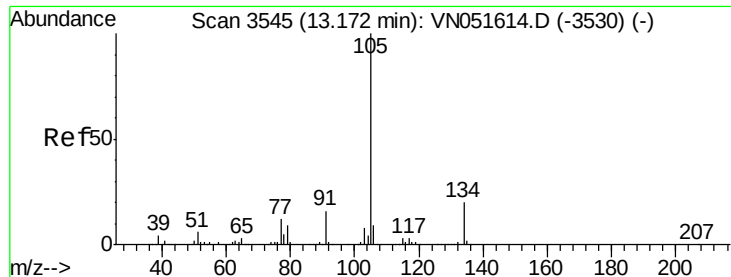
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#80
1,2,4-Trimethylbenzene
Concen: 20.294 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	352151		
120	46.9	0.0	91.6	





#81

sec-Butylbenzene

Concen: 19.457 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

ClientSampled :

VN0928WBSD01

Tot Ion:105 Resp: 404524

Ion Ratio Lower Upper

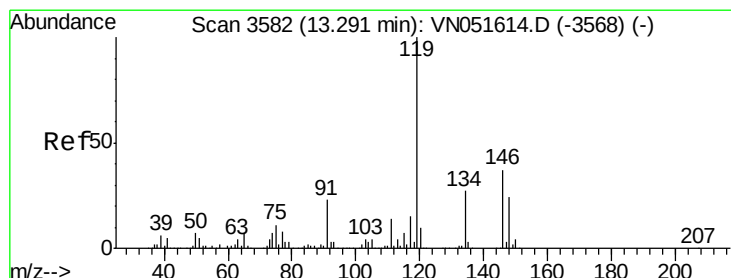
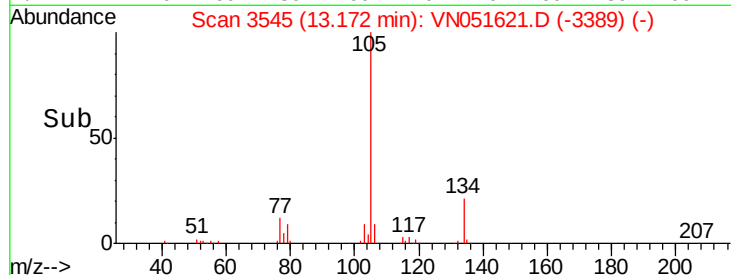
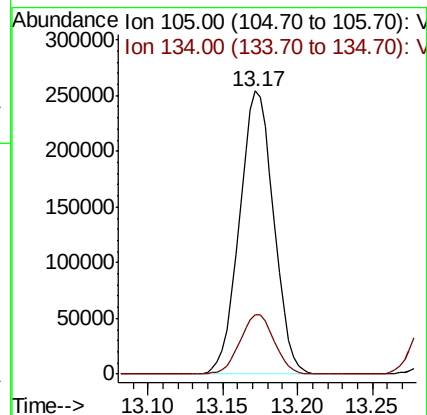
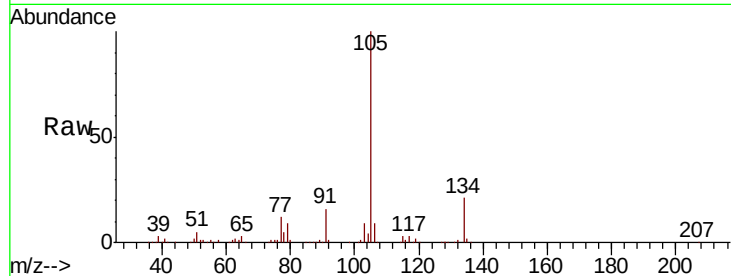
105 100

134 21.0 0.0 39.8

Manual Integrations
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#82

p-Isopropyltoluene

Concen: 20.269 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

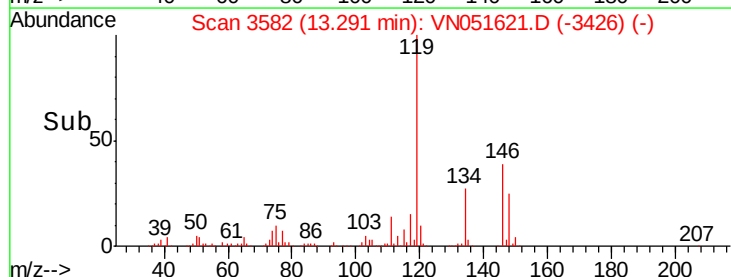
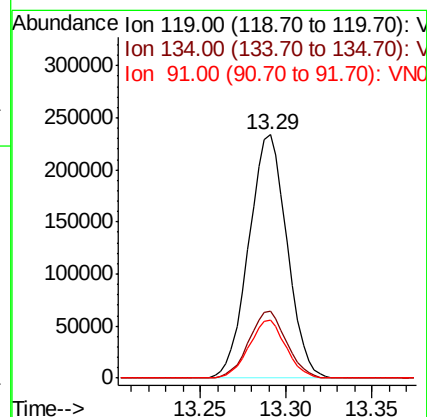
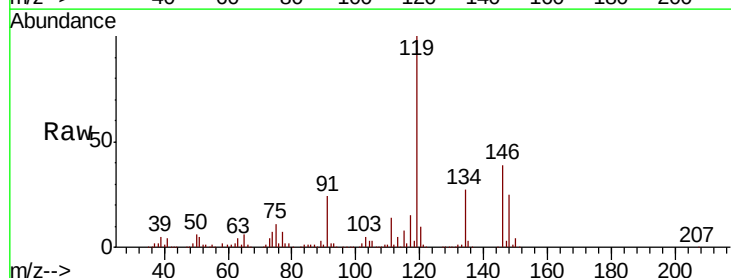
Tgt Ion:119 Resp: 360171

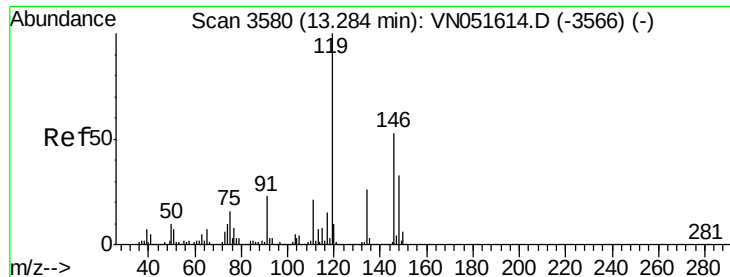
Ion Ratio Lower Upper

119 100

134 27.0 0.0 52.0

91 23.0 0.0 46.0





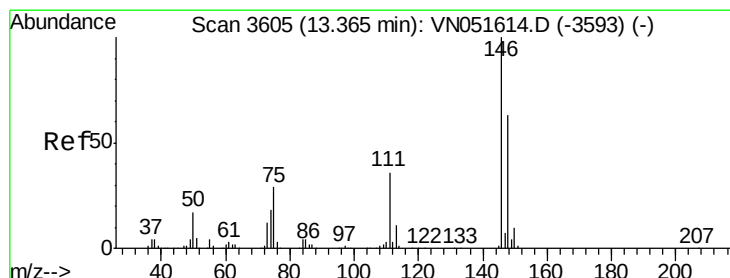
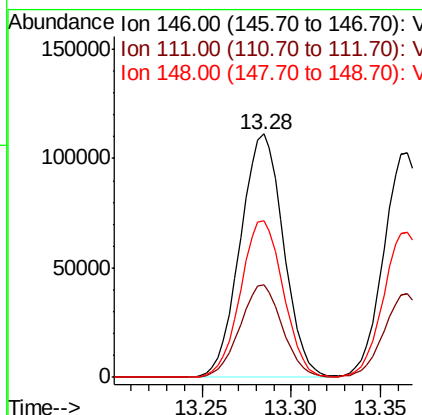
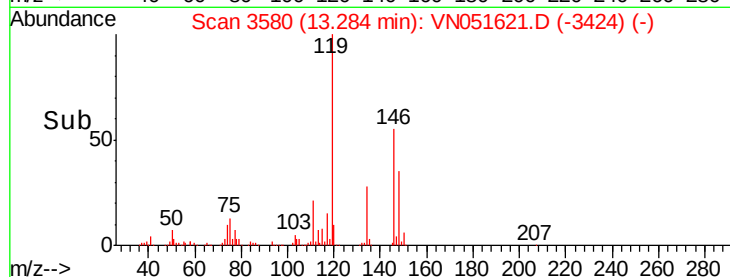
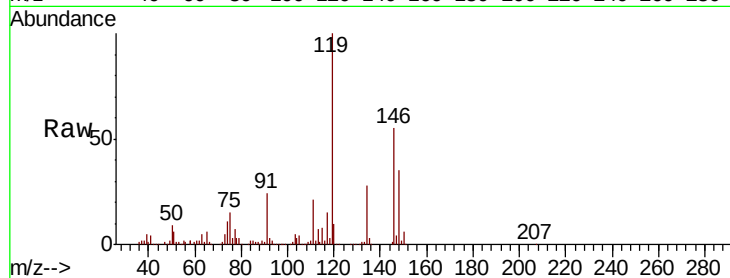
#83
 1,3-Dichlorobenzene
 Concen: 20.820 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.9	59.6
148	63.8	32.4	97.2

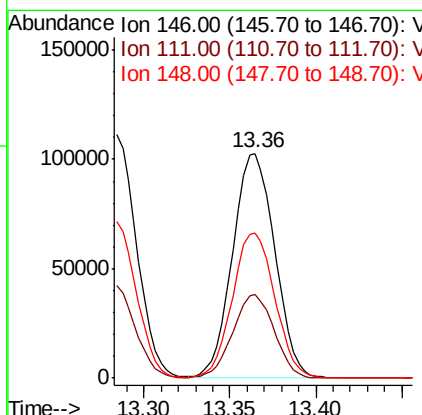
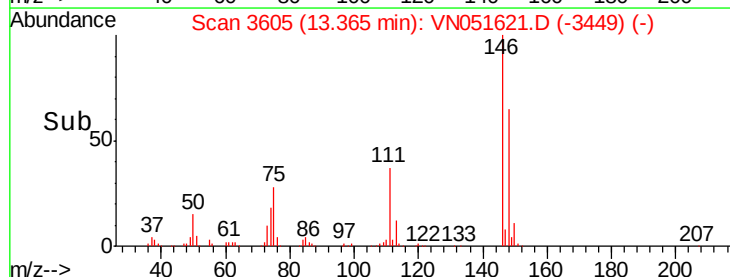
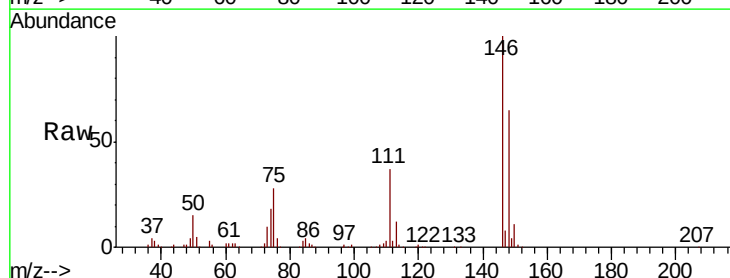
Manual Integrations
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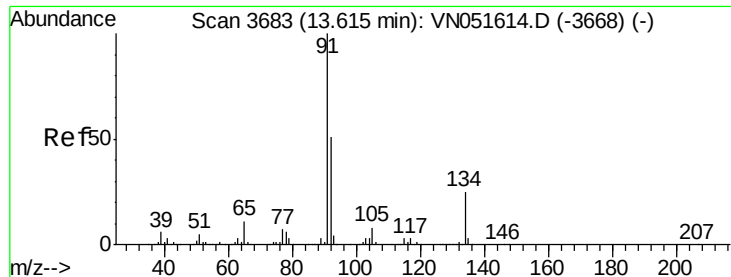
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 20.655 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	55.8
148	64.8	32.1	96.5





#85

n-Butylbenzene

Concen: 17.774 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Instrument :

MSVOA_N

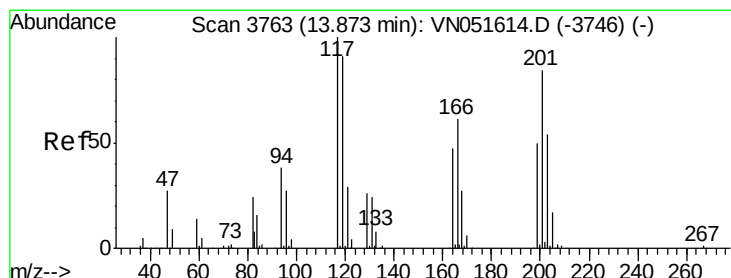
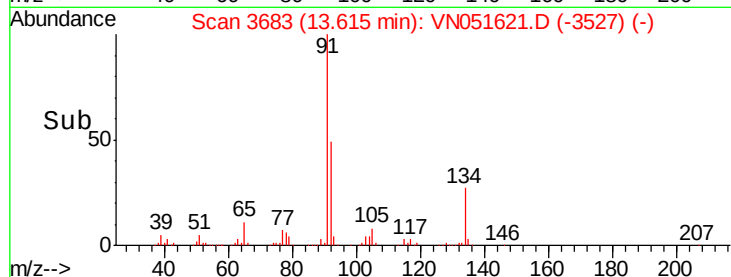
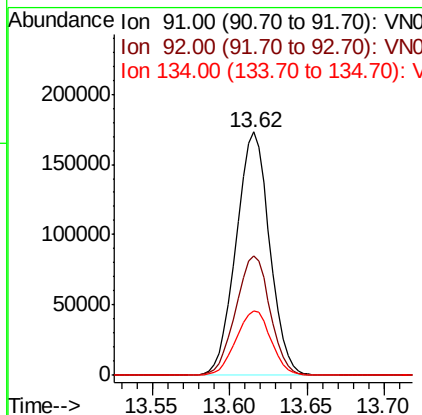
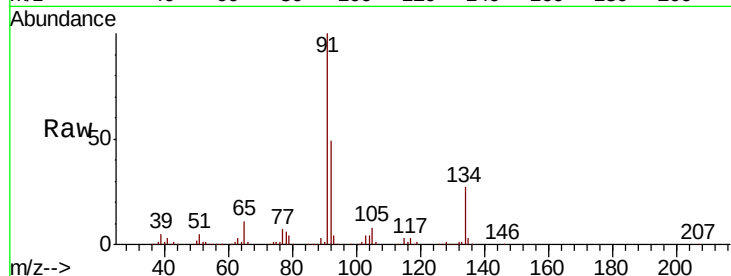
ClientSampleId :

VN0928WBSD01

Tot Ion:	91	Resp:	259241
Ion	Ratio	Lower	Upper
91	100		
92	50.5	0.0	101.6
134	27.7	0.0	50.6

Manual Integrations
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#86

Hexachloroethane

Concen: 18.929 ug/l

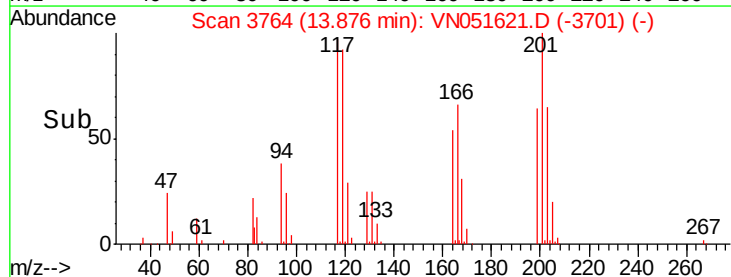
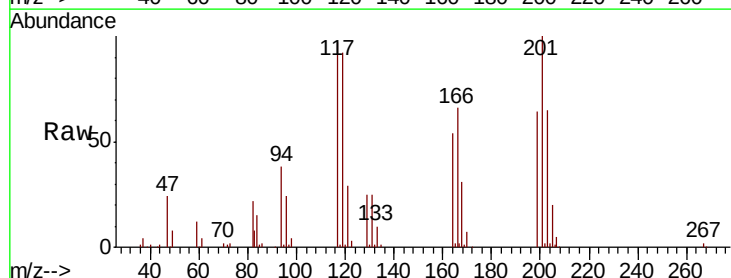
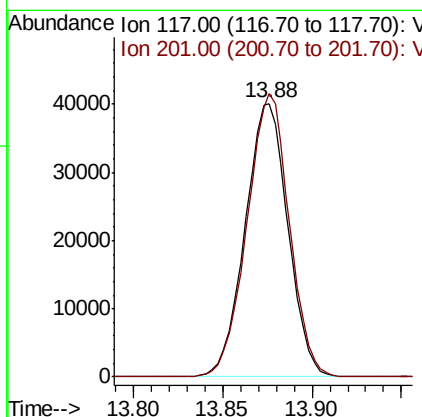
RT: 13.88 min Scan# 3764

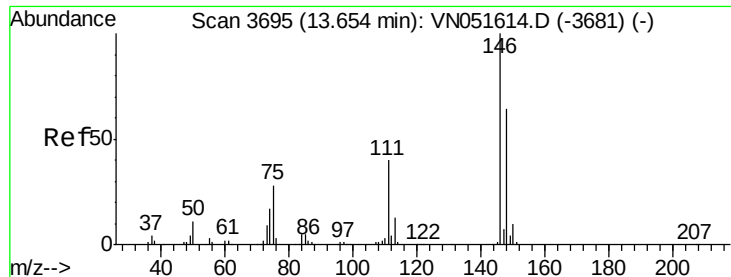
Delta R.T. 0.00 min

Lab File: VN051621.D

Acq: 28 Sep 2018 17:58

Tgt Ion:	117	Resp:	67277
Ion	Ratio	Lower	Upper
117	100		
201	102.2	42.9	128.5





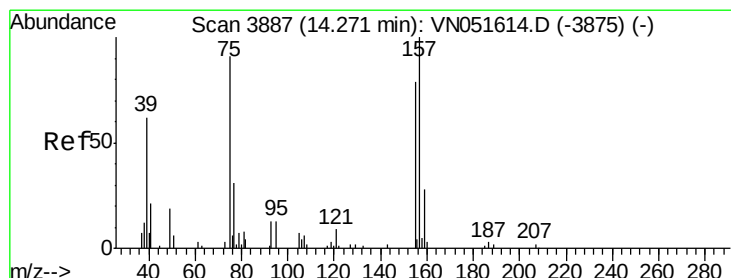
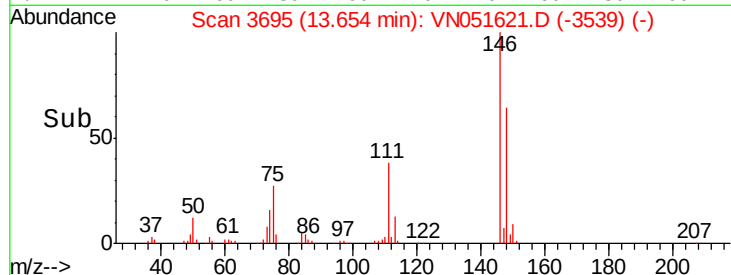
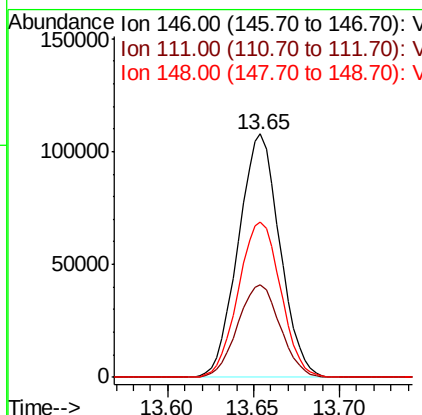
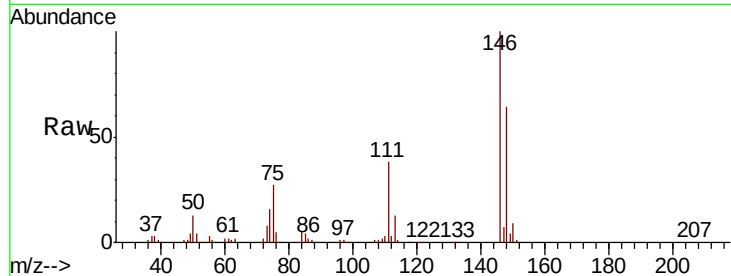
#87
 1,2-Dichlorobenzene
 Concen: 20.495 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.1	60.3
148	65.0	32.1	96.5

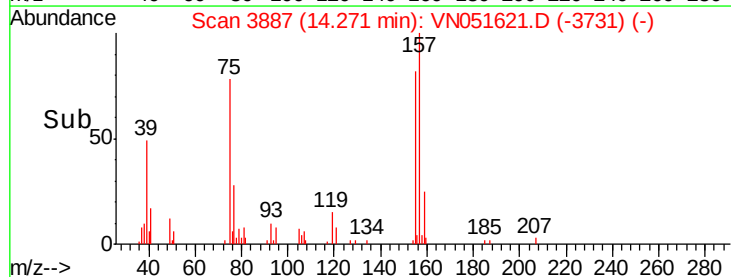
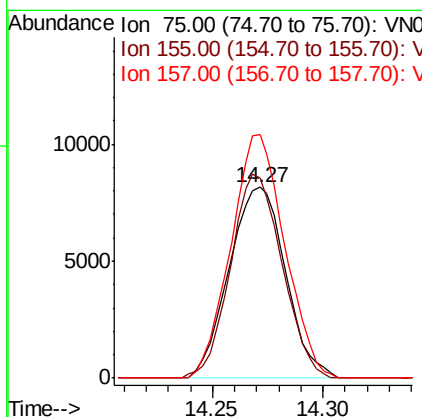
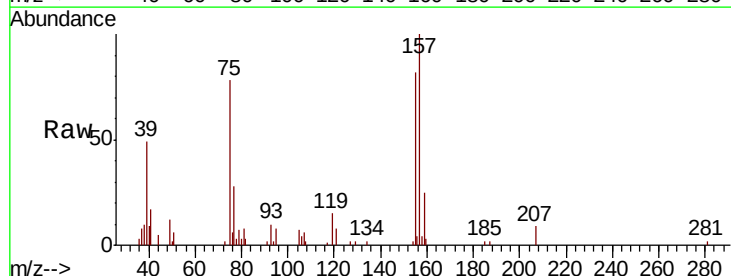
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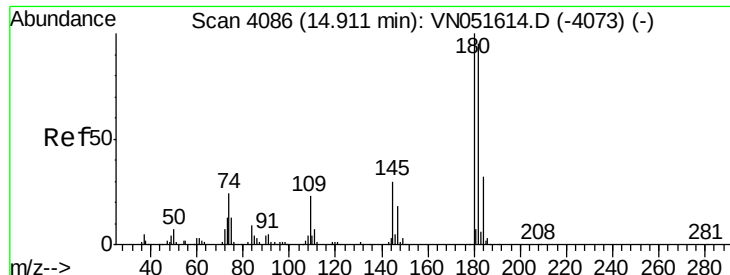
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.720 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.8	67.1	100.7
157	121.9	85.8	128.6





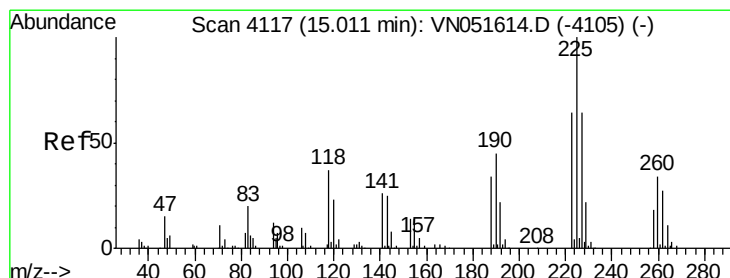
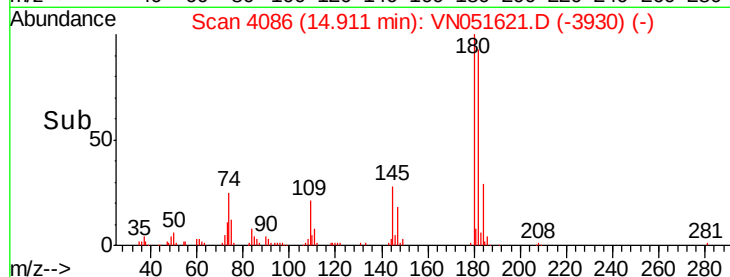
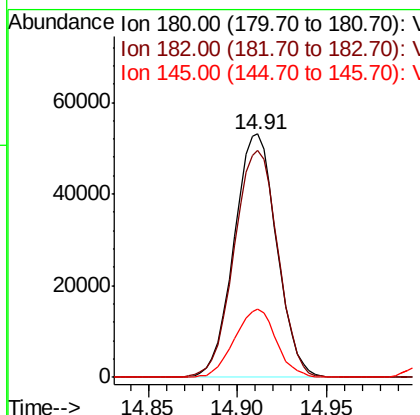
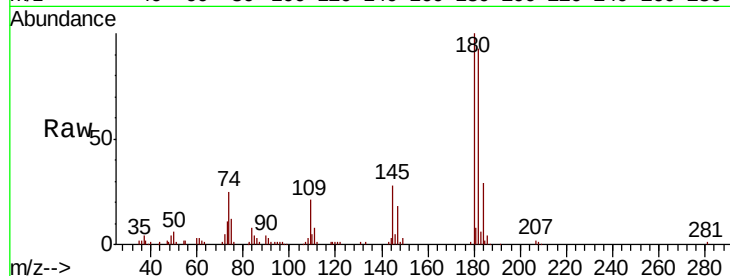
#89
 1,2,4-Trichlorobenzene
 Concen: 21.475 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	75.2	112.8	
145	27.4	22.9	34.3	

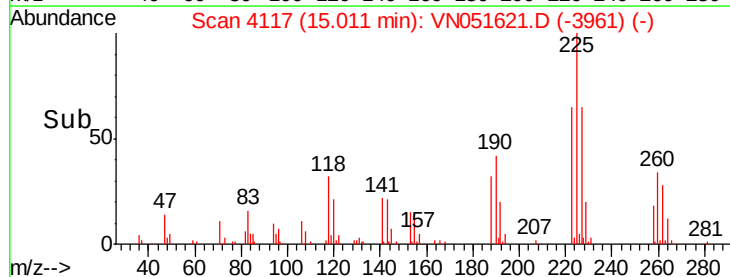
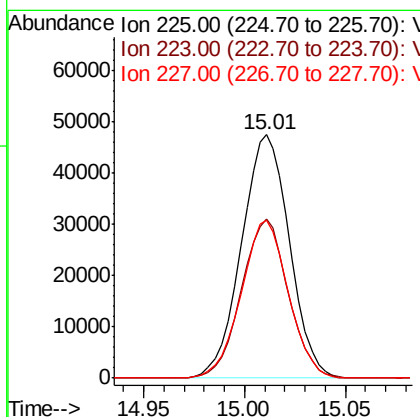
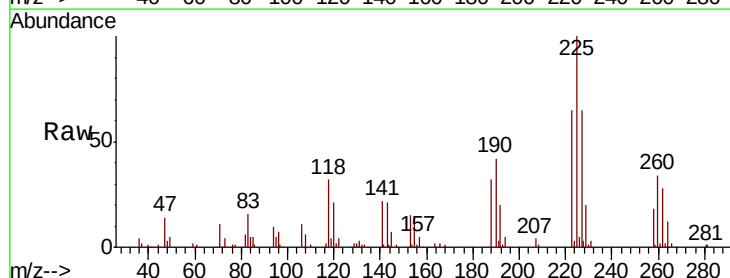
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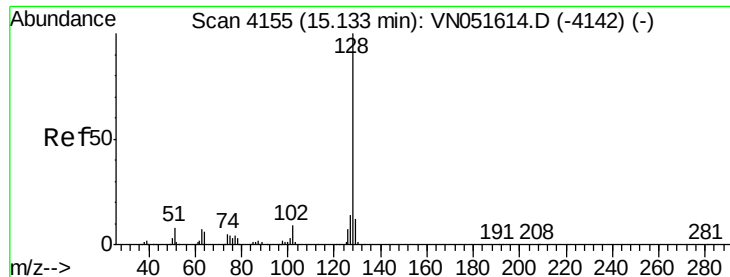
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#90
 Hexachlorobutadiene
 Concen: 23.425 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051621.D
 Acq: 28 Sep 2018 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	0.0	131.0	
227	63.5	0.0	129.0	





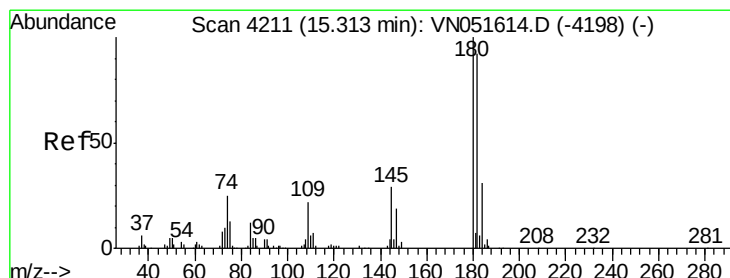
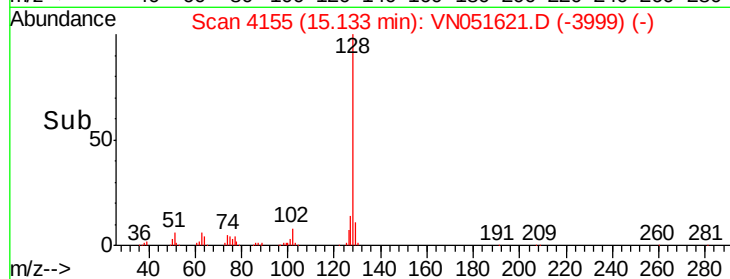
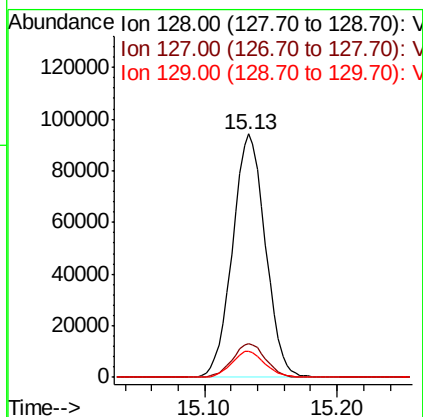
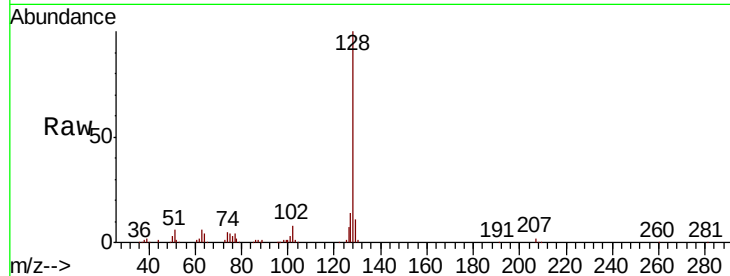
#91
Naphthalene
Concen: 21.634 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.8	16.2
129	10.7	9.1	13.7

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#92
1,2,3-Trichlorobenzene
Concen: 20.000 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051621.D
Acq: 28 Sep 2018 17:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	0.0	191.8
145	29.0	0.0	60.4

