

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053544.D
 Acq On : 28 Jan 2019 14:35
 Operator : JC/SP
 Sample : VN0128WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 9:52:47 AM

Quant Time: Jan 29 07:29:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	689470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1098576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	974425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	465548	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	371567	54.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.04%	
35) Dibromofluoromethane	7.59	113	347207	55.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.76%	
50) Toluene-d8	10.09	98	1285124	48.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	12.40	95	443559	47.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	103535	18.677	ug/l	99
3) Chloromethane	2.06	50	154406	19.482	ug/l	99
4) Vinyl Chloride	2.19	62	147789	19.344	ug/l	99
5) Bromomethane	2.58	94	96459	18.401	ug/l	99
6) Chloroethane	2.71	64	91501	19.810	ug/l	99
7) Trichlorofluoromethane	3.02	101	211829	21.198	ug/l	99
8) Diethyl Ether	3.41	74	85408	22.756	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	134792	21.298	ug/l	100
10) Methyl Iodide	3.96	142	203567	21.049	ug/l	99
11) Tert butyl alcohol	4.78	59	53468	160.344	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	129527	21.101	ug/l	99
13) Acrolein	3.61	56	41507	80.726	ug/l	98
14) Allyl chloride	4.33	41	217246	21.788	ug/l	99
15) Acrylonitrile	4.99	53	267313	121.809	ug/l	100
16) Acetone	3.82	43	186576	116.693	ug/l	98
17) Carbon Disulfide	4.06	76	346198	18.650	ug/l	99
18) Methyl Acetate	4.33	43	140313	26.047	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	388154	23.798	ug/l	98
20) Methylene Chloride	4.55	84	155828	21.347	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	139883	21.315	ug/l	96
22) Diisopropyl ether	5.96	45	446998	21.475	ug/l	97
23) Vinyl Acetate	5.90	43	1513797	118.309	ug/l	99
24) 1,1-Dichloroethane	5.85	63	273705	22.243	ug/l	99
25) 2-Butanone	6.84	43	297580	120.778	ug/l	99
26) 2,2-Dichloropropane	6.83	77	189662	20.414	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	168603	22.467	ug/l	99
28) Bromochloromethane	7.20	49	108067	19.935	ug/l	98
29) Tetrahydrofuran	7.21	42	199529	124.396	ug/l	98
30) Chloroform	7.37	83	271522	22.648	ug/l	99
31) Cyclohexane	7.66	56	241879	20.065	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	227973	22.416	ug/l	97
36) 1,1-Dichloropropene	7.80	75	195800	19.570	ug/l	97
37) Ethyl Acetate	6.93	43	134198	23.314	ug/l	100
38) Carbon Tetrachloride	7.78	117	193861	20.467	ug/l	98

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Quant Time: Jan 29 07:29:06 2019
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 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	233936	18.918	ug/l	99
40) Benzene	8.04	78	625762	20.582	ug/l	99
41) Methacrylonitrile	7.17	41	72833	21.677	ug/l	94
42) 1,2-Dichloroethane	8.13	62	189200	21.361	ug/l	99
43) Isopropyl Acetate	8.17	43	267920	25.886	ug/l #	84
44) Trichloroethene	8.84	130	176349	20.916	ug/l	98
45) 1,2-Dichloropropane	9.12	63	168470	20.921	ug/l	97
46) Dibromomethane	9.21	93	96955	20.956	ug/l	97
47) Bromodichloromethane	9.40	83	205695	21.141	ug/l	99
48) Methyl methacrylate	9.20	41	112313	21.017	ug/l	94
49) 1,4-Dioxane	9.20	88	31814	609.569	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	639248	113.140	ug/l	100
52) Toluene	10.16	92	385096	20.403	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	209050	21.197	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	243655	21.076	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	144852	22.260	ug/l	98
56) Ethyl methacrylate	10.43	69	184712	21.236	ug/l	98
57) 1,3-Dichloropropane	10.71	76	242715	21.561	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	502315	110.339	ug/l	99
59) 2-Hexanone	10.75	43	425399	107.254	ug/l	100
60) Dibromochloromethane	10.90	129	153404	20.784	ug/l	99
61) 1,2-Dibromoethane	11.01	107	142153	21.600	ug/l	99
64) Tetrachloroethene	10.63	164	161659	17.604	ug/l	99
65) Chlorobenzene	11.44	112	419914	20.359	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147837	20.604	ug/l	99
67) Ethyl Benzene	11.51	91	713272	20.292	ug/l	100
68) m/p-Xylenes	11.62	106	547195	41.231	ug/l	99
69) o-Xylene	11.95	106	269403	20.891	ug/l	98
70) Styrene	11.97	104	434978	20.783	ug/l	100
71) Bromoform	12.13	173	105828	21.424	ug/l #	100
73) Isopropylbenzene	12.25	105	701745	20.584	ug/l	99
74) N-amyl acetate	12.07	43	192136	21.141	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	174913	24.463	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	156908m	25.576	ug/l	
77) Bromobenzene	12.53	156	186845	20.799	ug/l	100
78) n-propylbenzene	12.59	91	805756	20.590	ug/l	100
79) 2-Chlorotoluene	12.68	91	479884	20.688	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	591538	21.326	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	45007	20.159	ug/l	98
82) 4-Chlorotoluene	12.77	91	485896	20.541	ug/l	98
83) tert-Butylbenzene	12.99	119	518731	21.173	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	662538	23.688	ug/l	99
85) sec-Butylbenzene	13.17	105	704200	20.959	ug/l	100
86) p-Isopropyltoluene	13.29	119	609603	20.895	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	325029	20.569	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	324098	20.446	ug/l	98
89) n-Butylbenzene	13.62	91	515584	20.733	ug/l	99
90) Hexachloroethane	13.88	117	92495	20.215	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	314699	21.647	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24960	27.531	ug/l	99

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ALS Vial : 13 Sample Multiplier: 28

Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	194718	31.443	ug/l	100
94) Hexachlorobutadiene	15.01	225	105823	23.334	ug/l	99
95) Naphthalene	15.13	128	452679	40.993	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	184448	40.133	ug/l	99

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

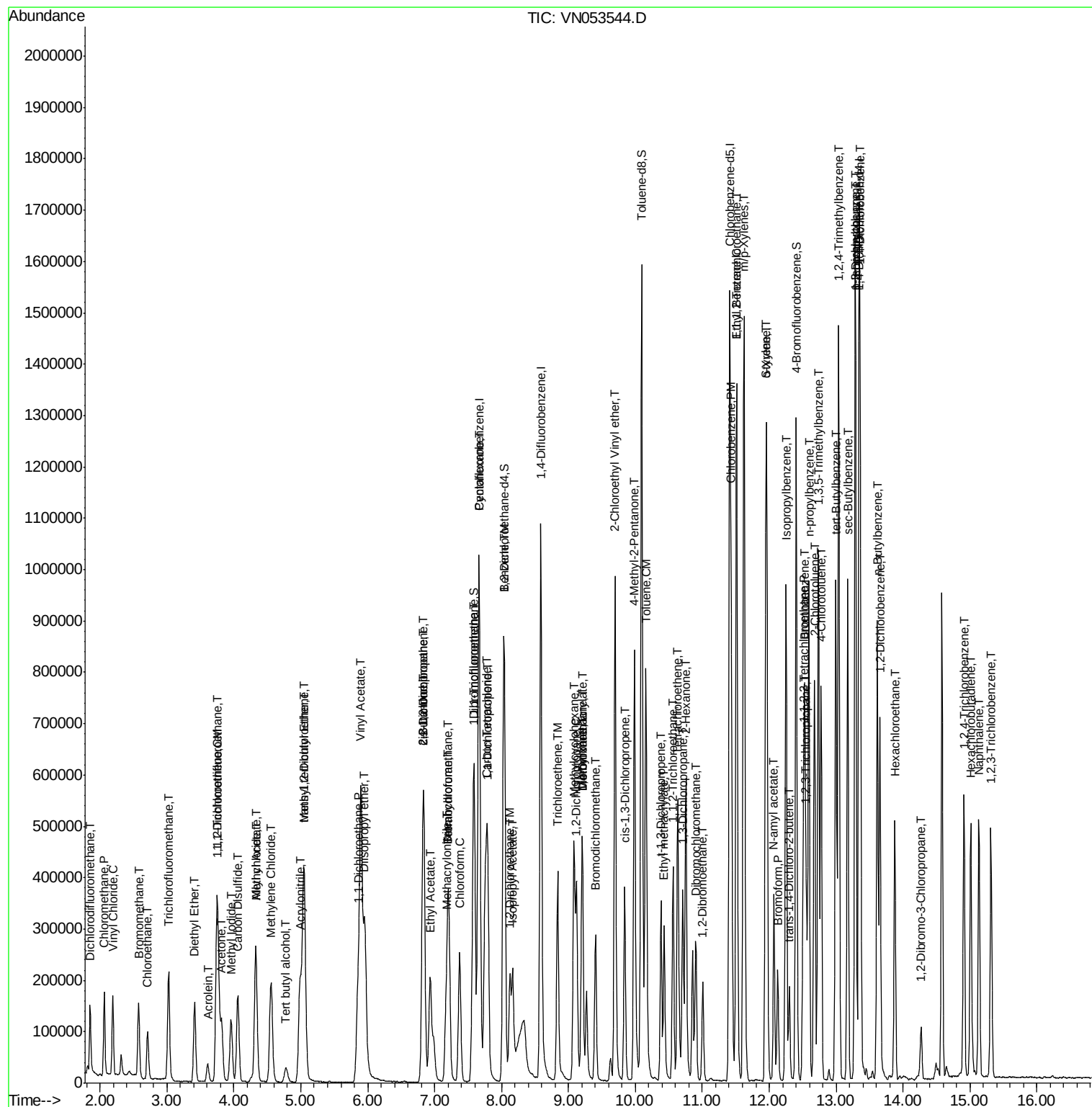
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
Data File : VN053544.D
Acq On : 28 Jan 2019 14:35
Operator : JC/SP
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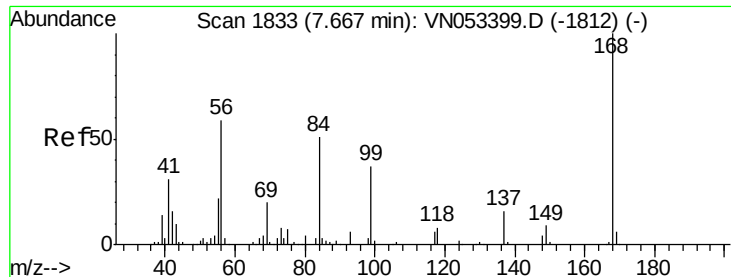
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

Tot Ion:168 Resp: 689470

Ion Ratio Lower Upper

168 100

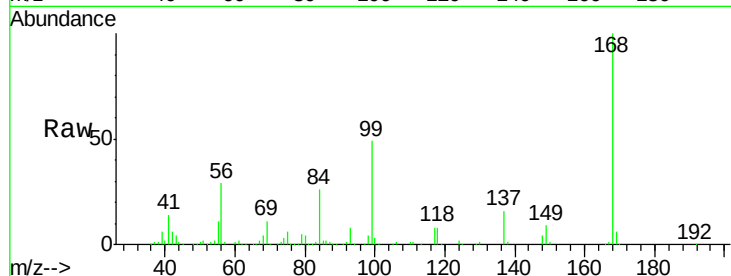
99 47.7 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

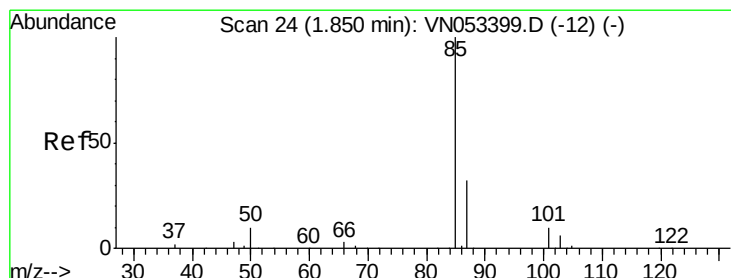
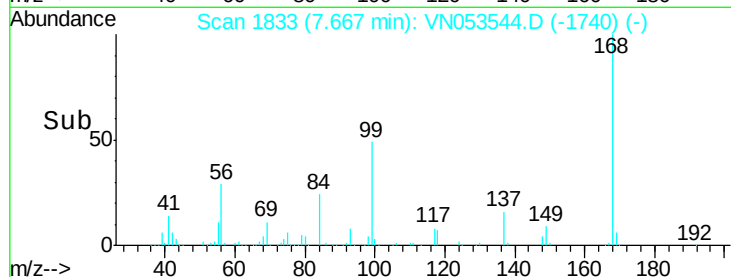
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.677 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053544.D

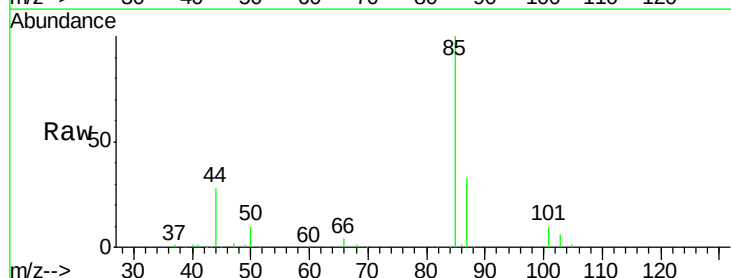
Acq: 28 Jan 2019 14:35

Tgt Ion: 85 Resp: 103535

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

60000

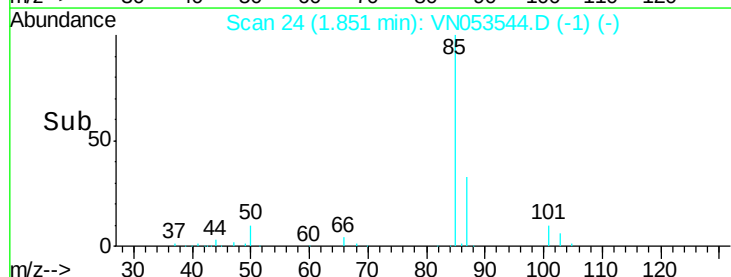
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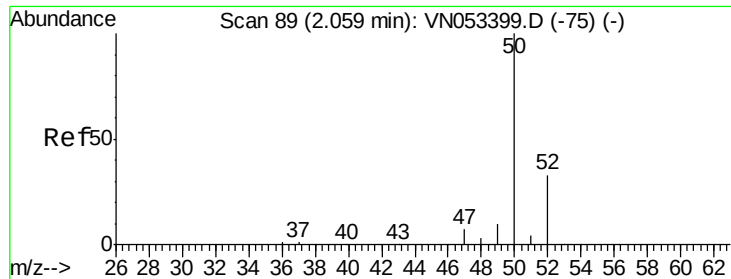
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.482 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

Tot Ion: 50 Resp: 154406

Ion Ratio Lower Upper

50 100

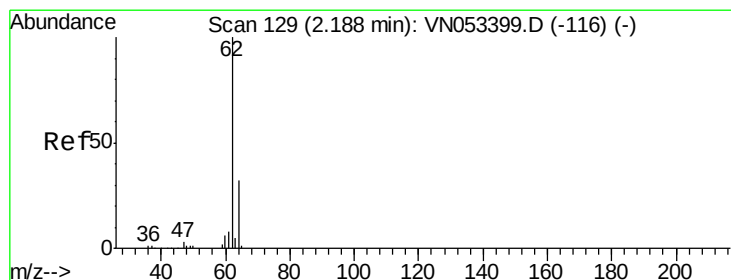
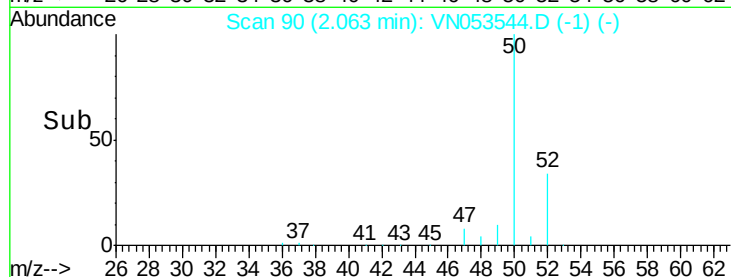
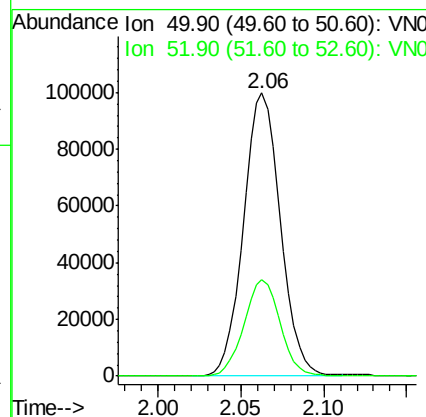
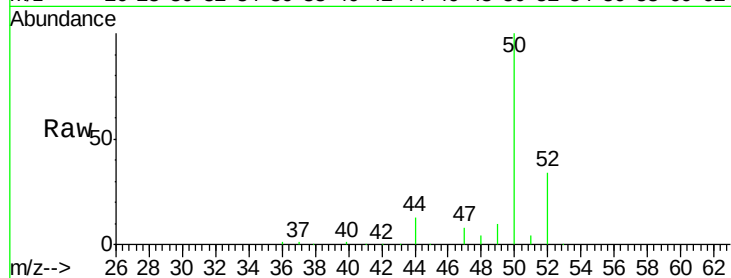
52 34.0 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.344 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053544.D

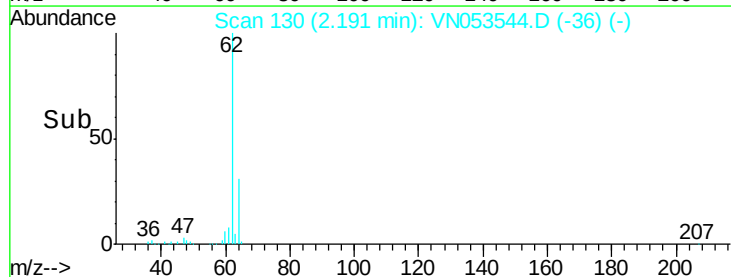
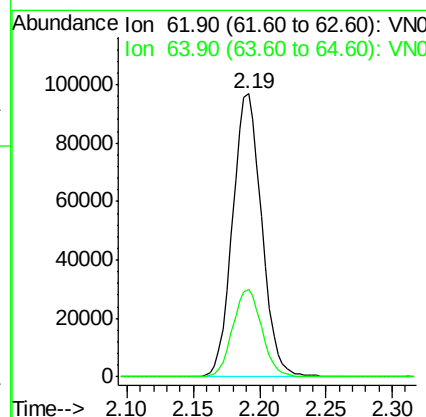
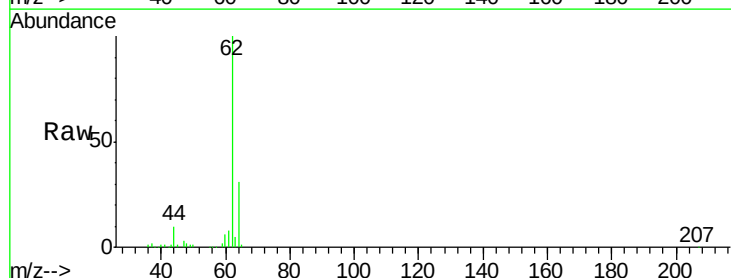
Acq: 28 Jan 2019 14:35

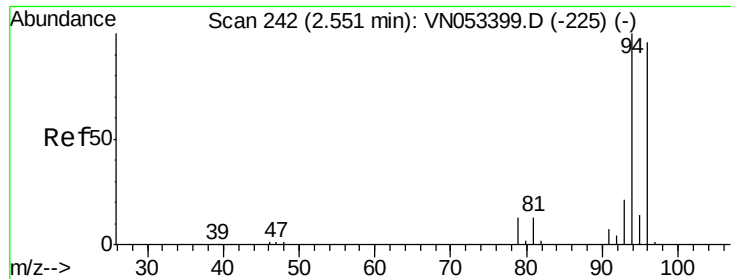
Tgt Ion: 62 Resp: 147789

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.2





#5

Bromomethane

Concen: 18.401 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.03 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

Tot Ion: 94 Resp: 96459

Ion Ratio Lower Upper

94 100

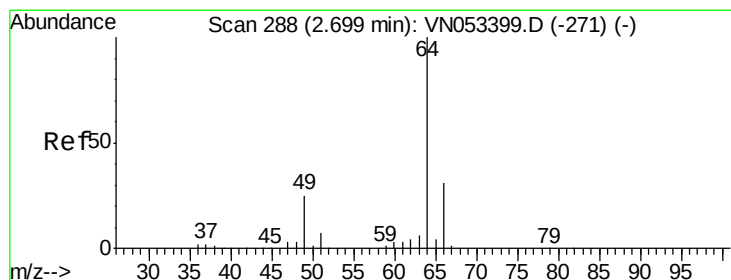
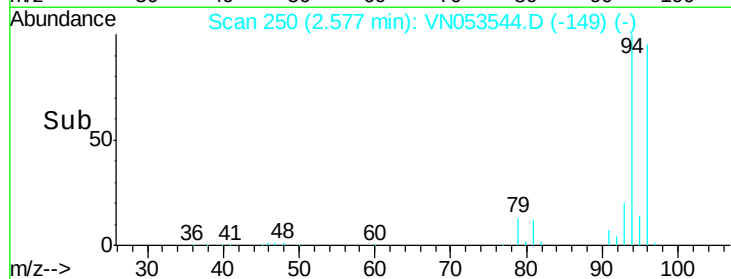
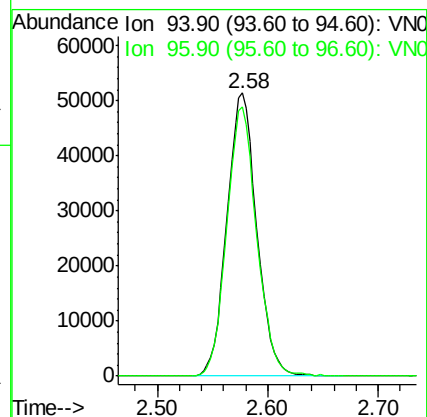
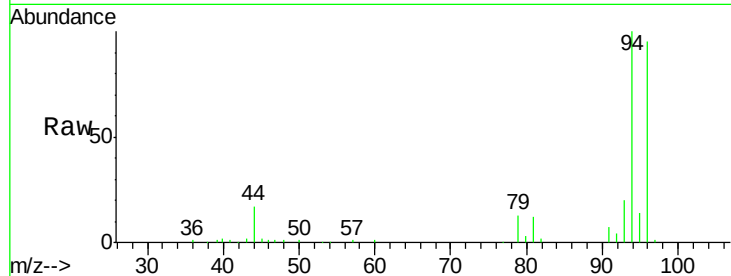
96 94.9 76.8 115.2

Manual Integrations

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#6

Chloroethane

Concen: 19.810 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053544.D

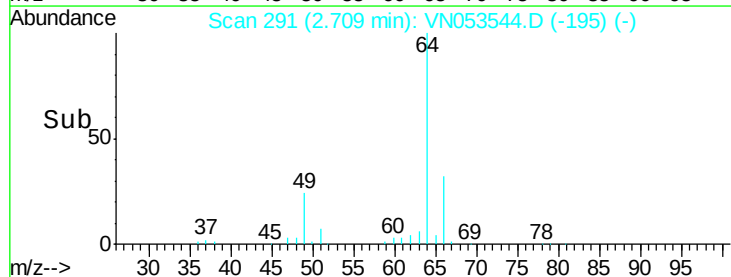
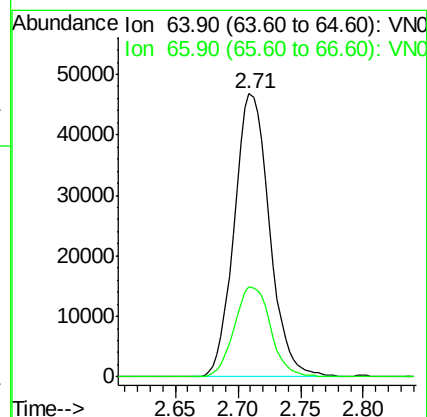
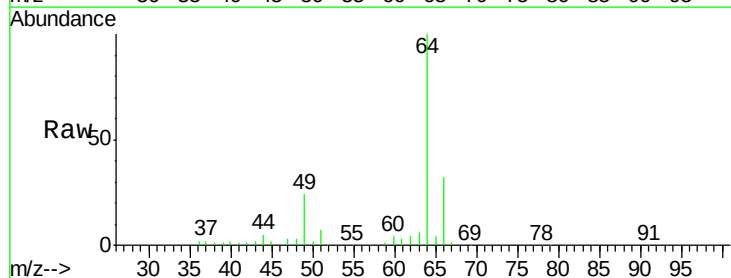
Acq: 28 Jan 2019 14:35

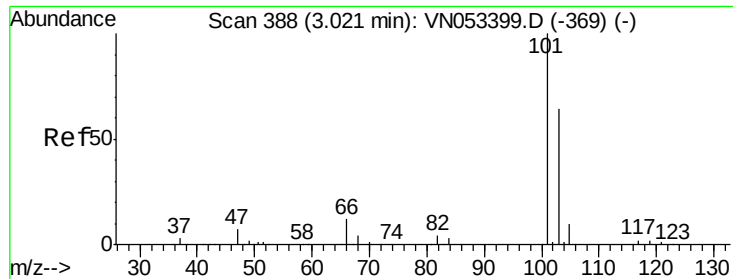
Tgt Ion: 64 Resp: 91501

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7





#7

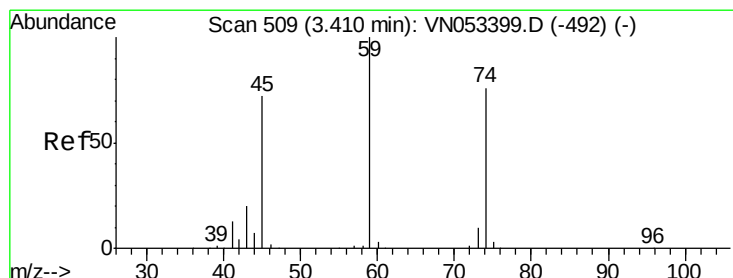
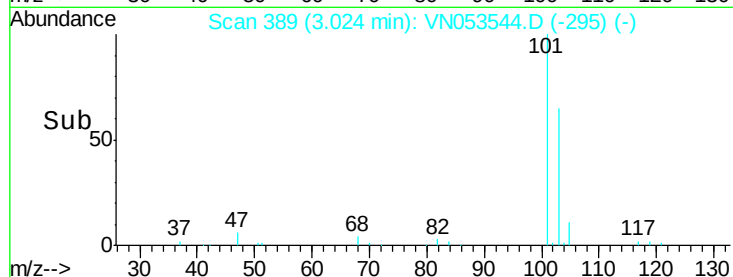
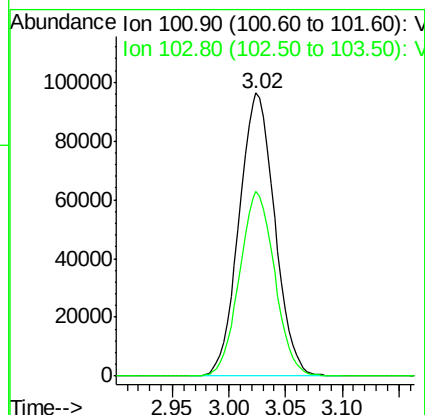
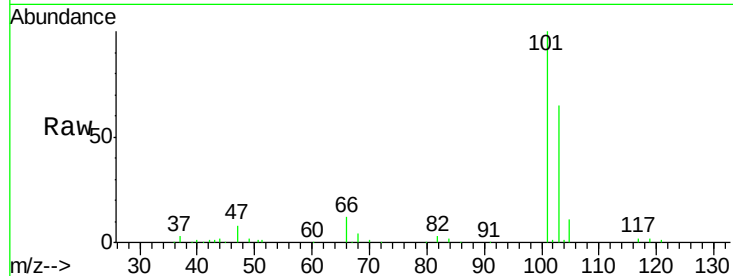
Trichlorofluoromethane
Concen: 21.198 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
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ClientSampleId :
VN0128WBSD01

Tot Ion:101 Resp: 211829
Ion Ratio Lower Upper
101 100
103 65.2 51.6 77.4

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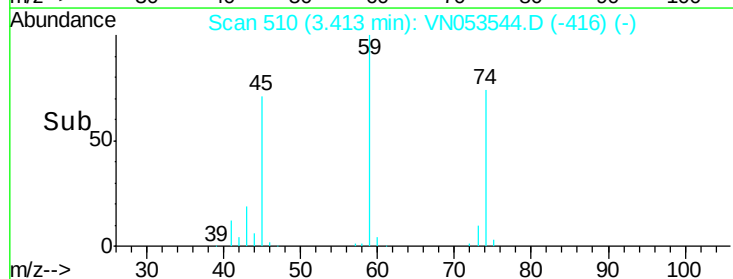
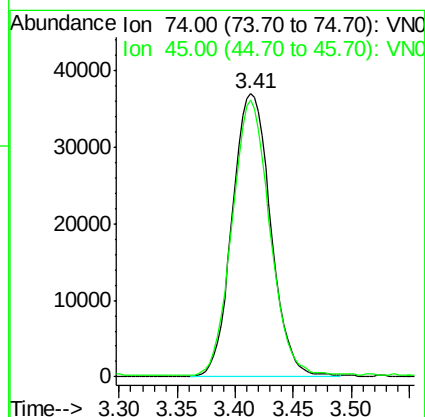
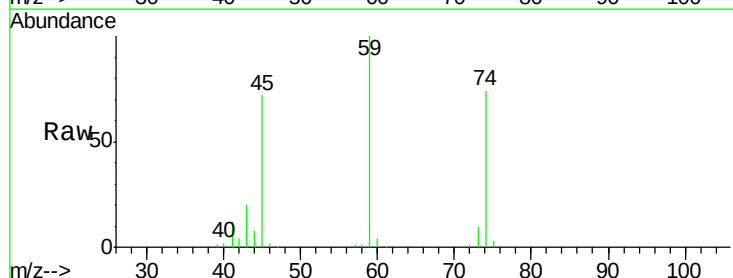
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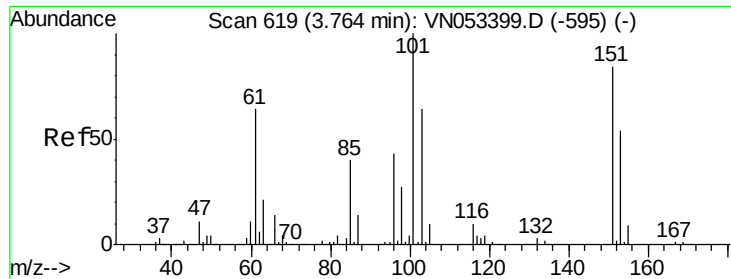


#8

Diethyl Ether
Concen: 22.756 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion: 74 Resp: 85408
Ion Ratio Lower Upper
74 100
45 94.5 47.9 143.7





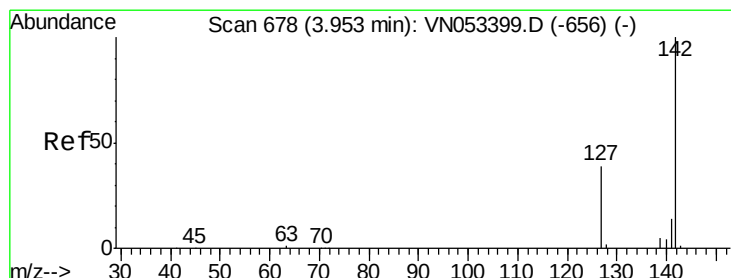
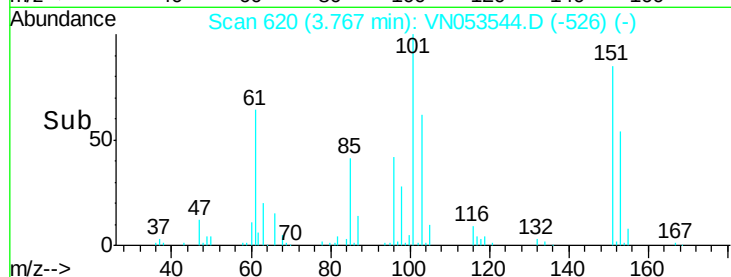
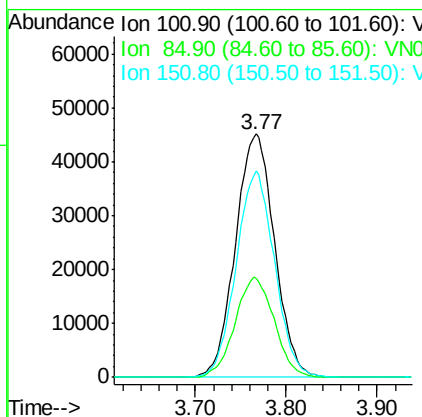
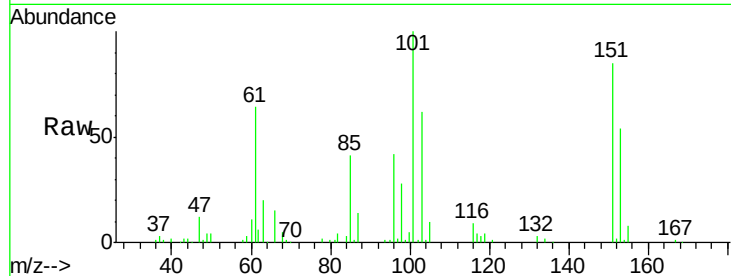
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.298 ug/l
RT: 3.77 min Scan# 620
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	134792		
85	40.9	32.8	49.2	
151	83.5	66.9	100.3	

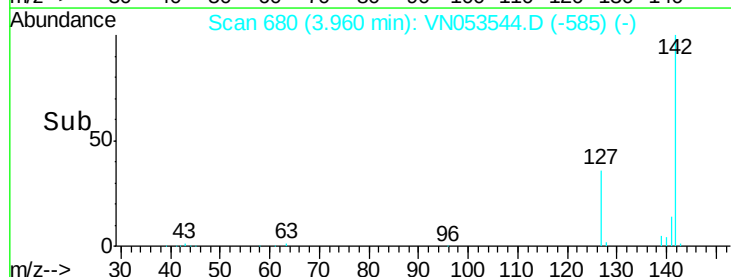
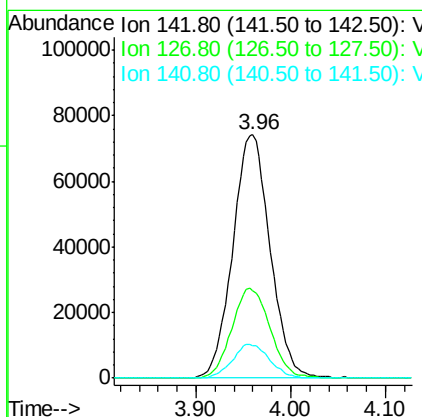
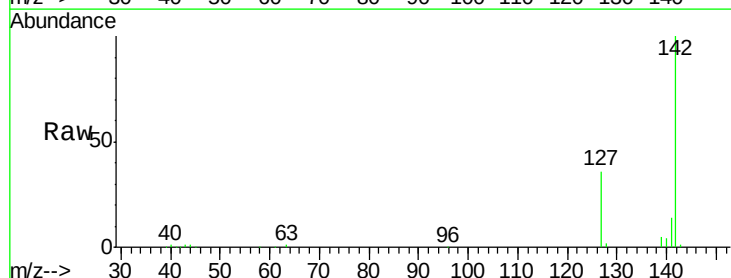
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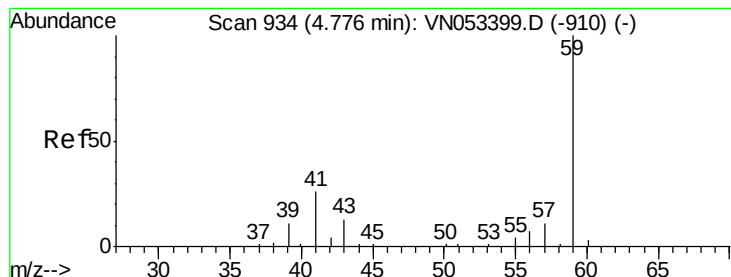
MMDadoda
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#10
Methyl Iodide
Concen: 21.049 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.01 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	203567		
127	37.9	31.0	46.4	
141	13.8	11.1	16.7	





#11

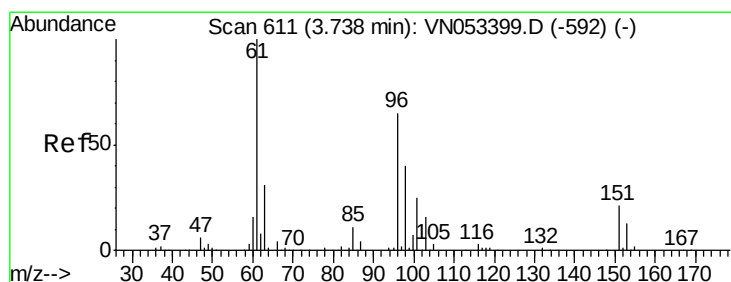
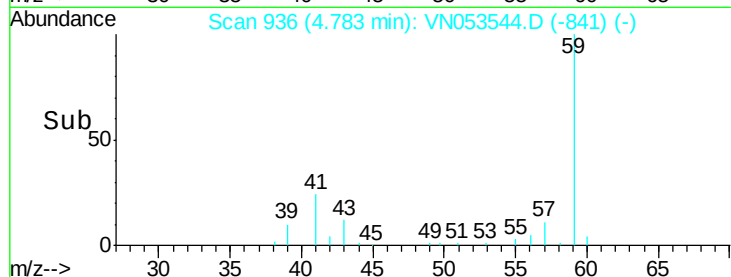
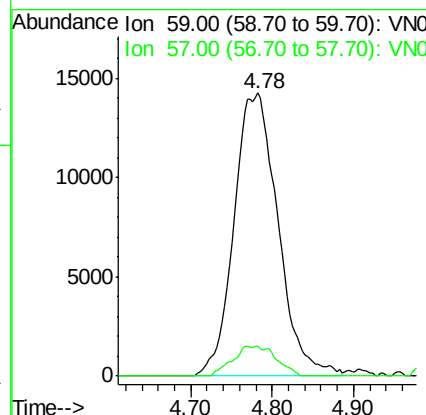
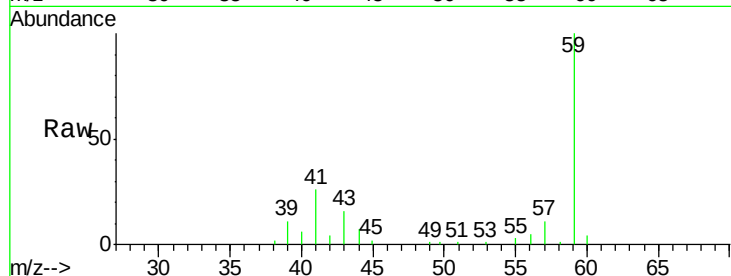
Tert butyl alcohol
Concen: 160.344 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion: 59 Resp: 53468
Ion Ratio Lower Upper
59 100
57 4.6 8.2 12.4#

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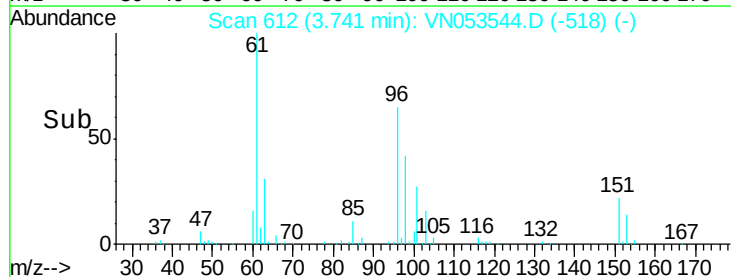
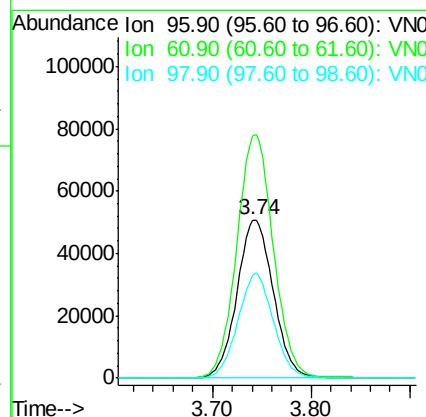
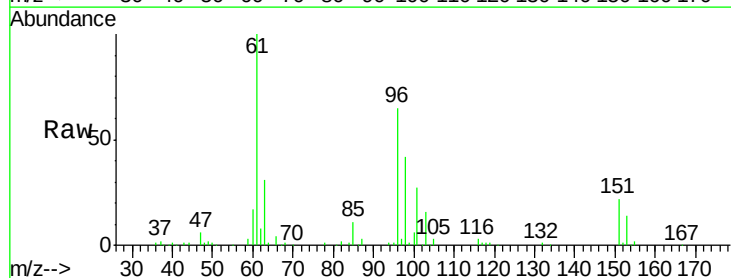
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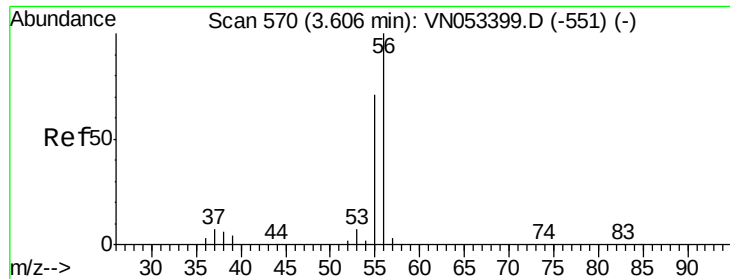


#12

1,1-Dichloroethene
Concen: 21.101 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion: 96 Resp: 129527
Ion Ratio Lower Upper
96 100
61 153.2 122.9 184.3
98 65.1 49.4 74.0





#13

Acrolein

Concen: 80.726 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

Tot Ion: 56 Resp: 41507

Ion Ratio Lower Upper

56 100

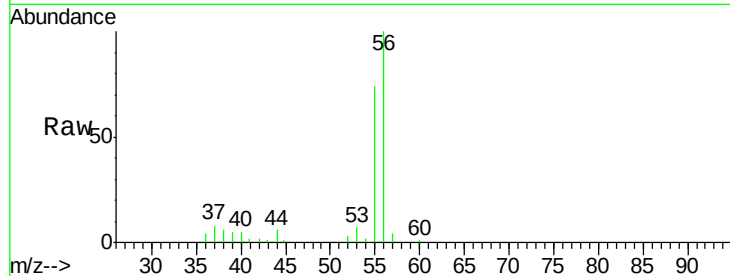
55 73.5 57.4 86.0

Manual Integrations

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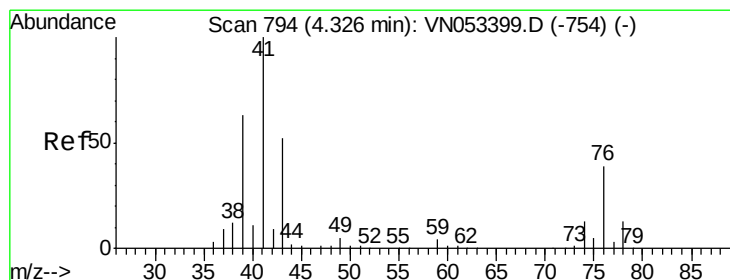
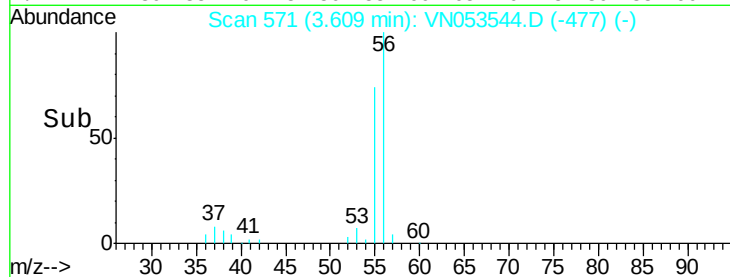
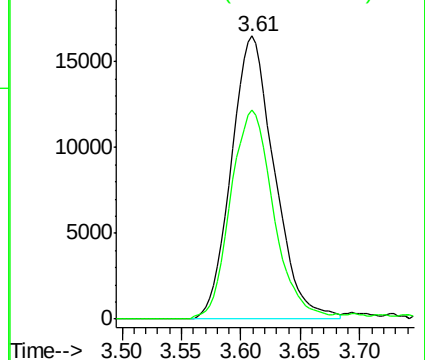
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.788 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

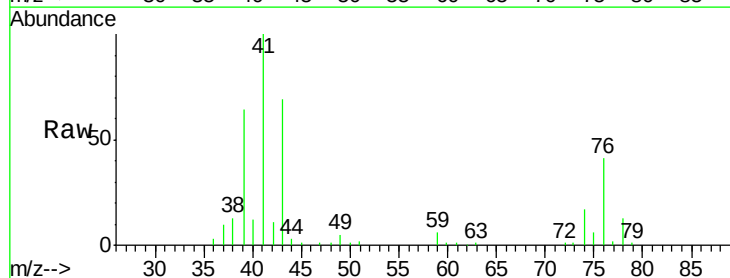
Tgt Ion: 41 Resp: 217246

Ion Ratio Lower Upper

41 100

39 60.9 48.9 73.3

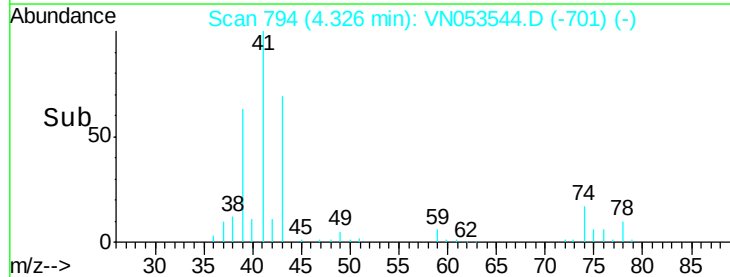
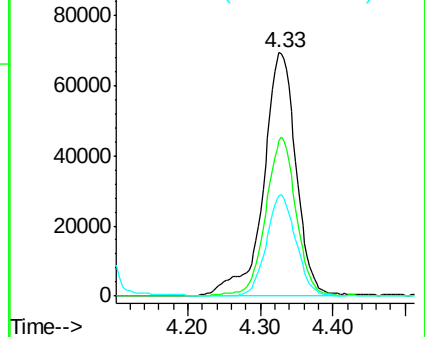
76 37.7 29.4 44.2

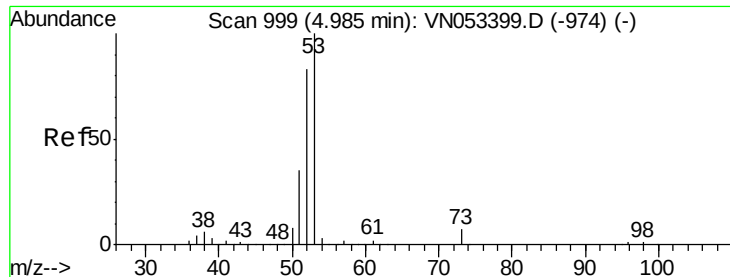


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 121.809 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

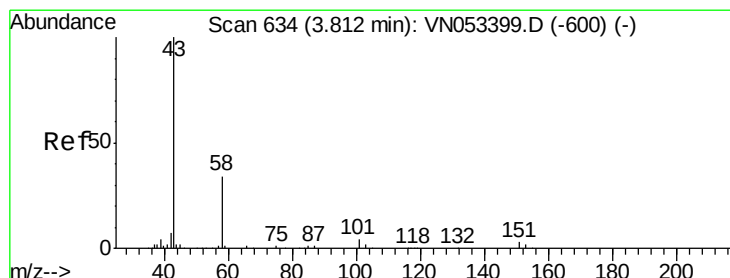
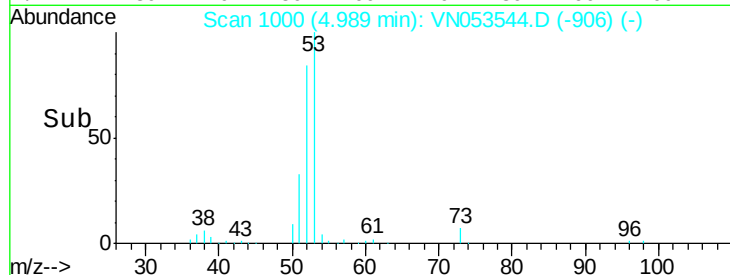
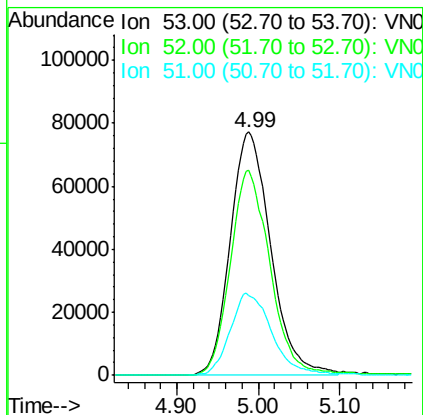
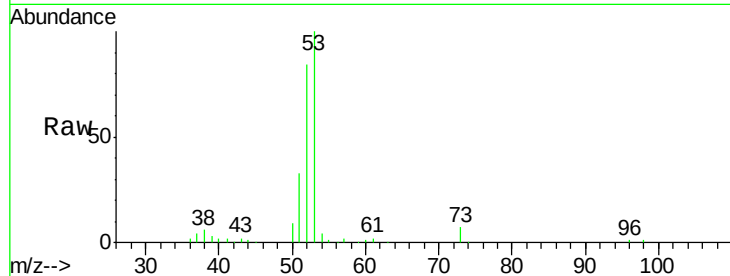
ClientSampleId :

VN0128WBSD01

Tot Ion:	53	Resp:	267313
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.0	99.0
51	34.7	28.3	42.5

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#16

Acetone

Concen: 116.693 ug/l

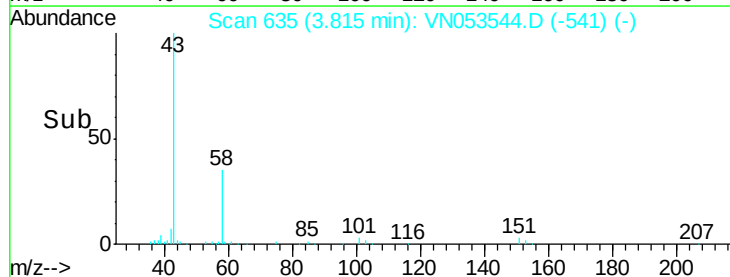
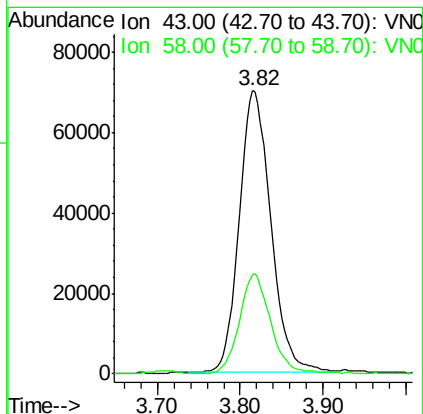
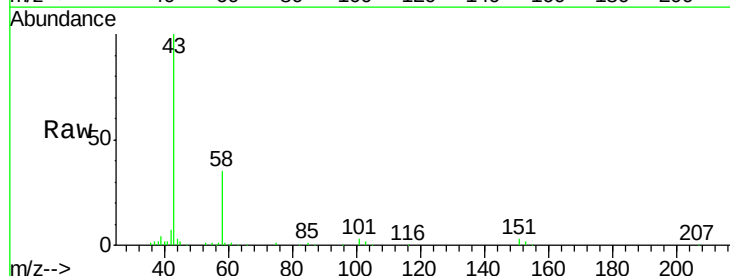
RT: 3.82 min Scan# 635

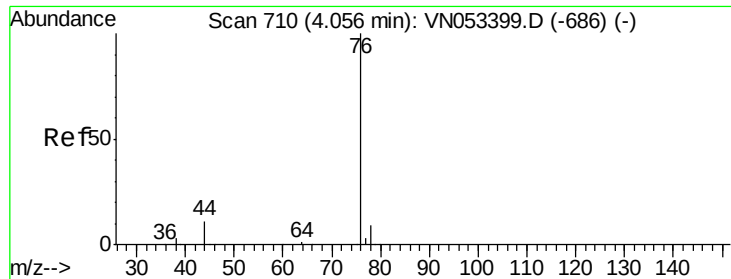
Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Tgt Ion:	43	Resp:	186576
Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.1	40.7





#17

Carbon Disulfide

Concen: 18.650 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

Tot Ion: 76 Resp: 346198

Ion Ratio Lower Upper

76 100

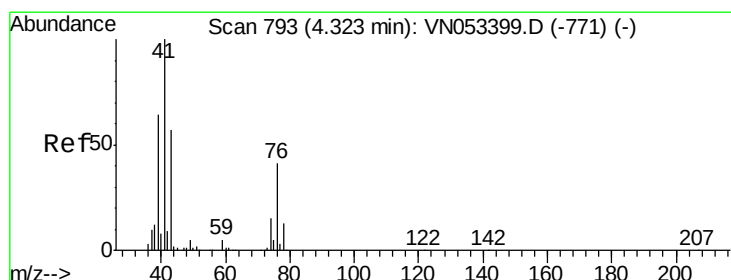
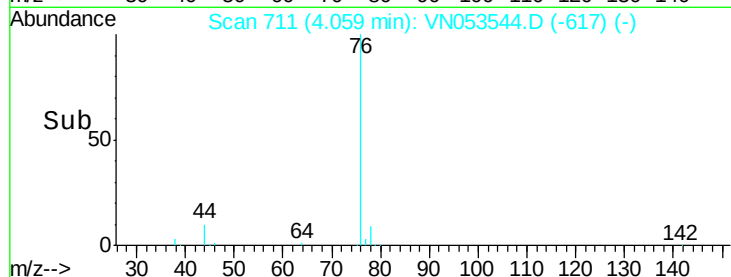
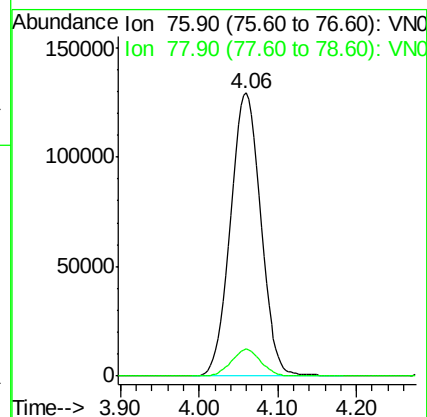
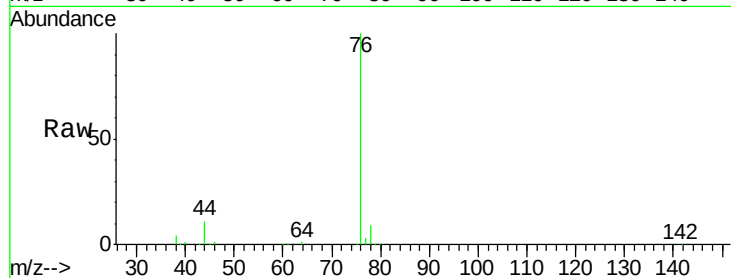
78 9.5 7.3 10.9

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#18

Methyl Acetate

Concen: 26.047 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053544.D

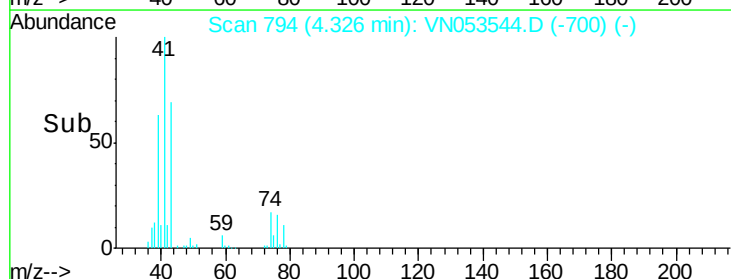
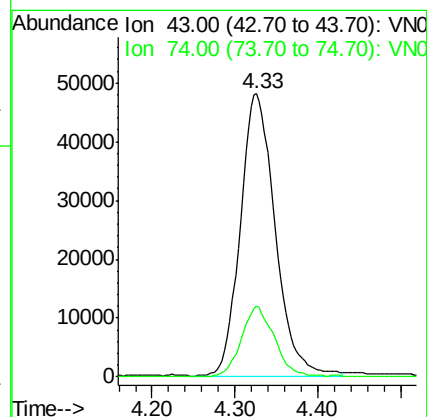
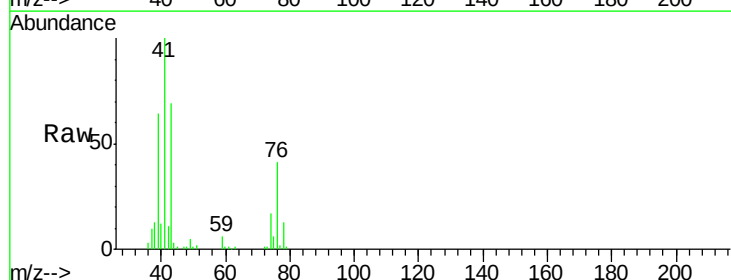
Acq: 28 Jan 2019 14:35

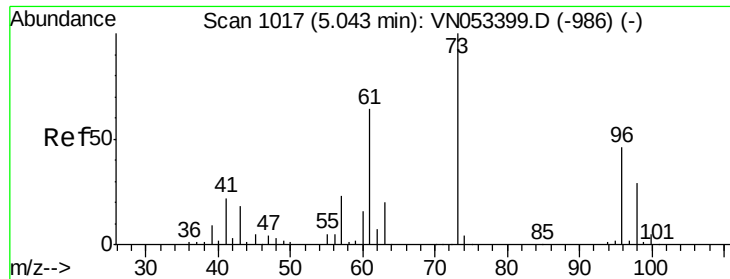
Tgt Ion: 43 Resp: 140313

Ion Ratio Lower Upper

43 100

74 23.7 19.4 29.2





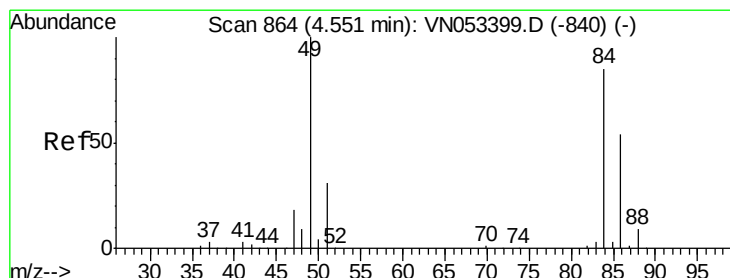
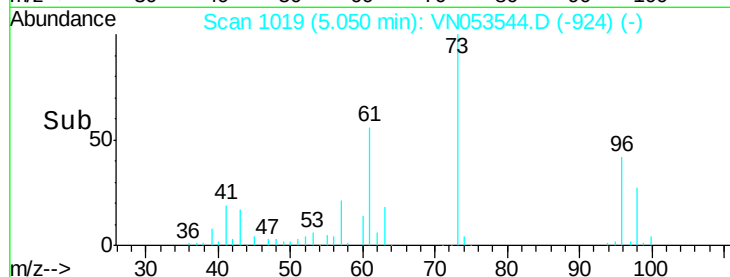
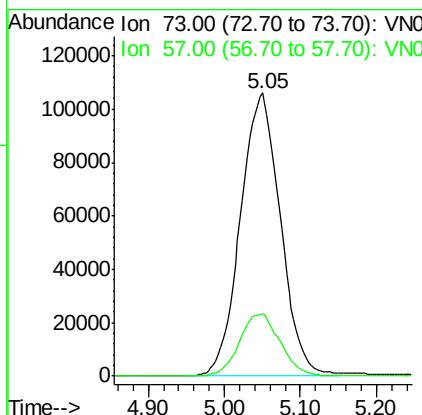
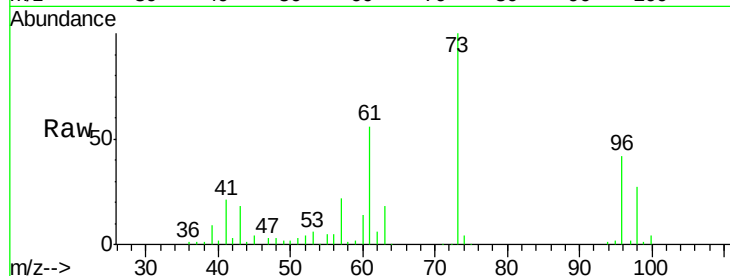
#19
Methyl tert-butyl Ether
Concen: 23.798 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion: 73 Resp: 388154
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5

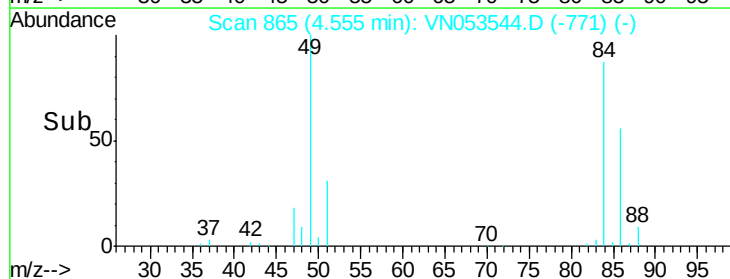
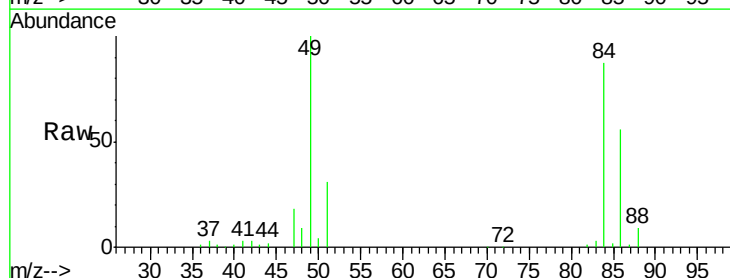
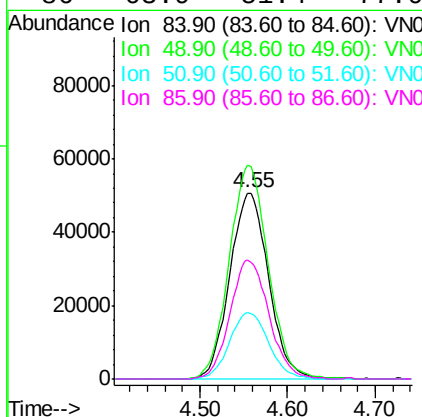
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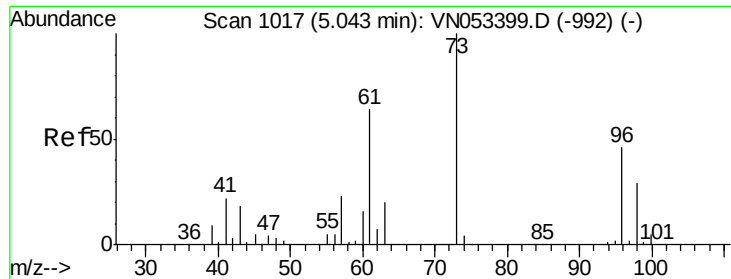
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#20
Methylene Chloride
Concen: 21.347 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion: 84 Resp: 155828
Ion Ratio Lower Upper
84 100
49 114.5 94.3 141.5
51 35.5 29.4 44.2
86 63.9 51.4 77.0





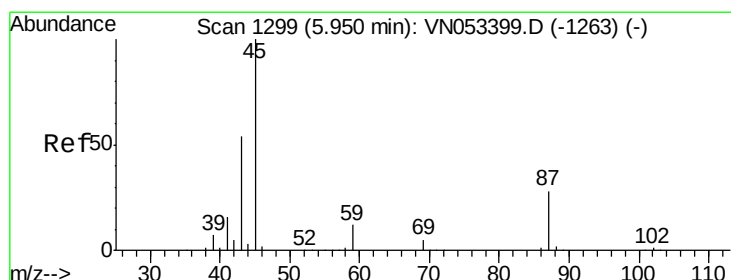
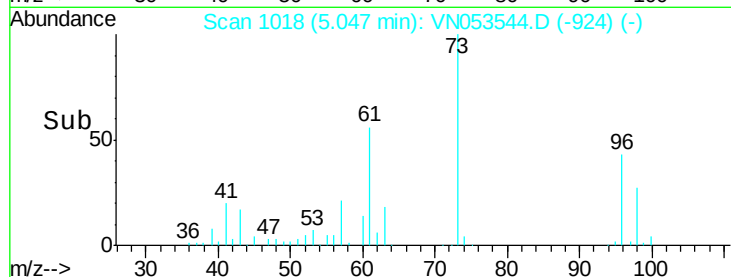
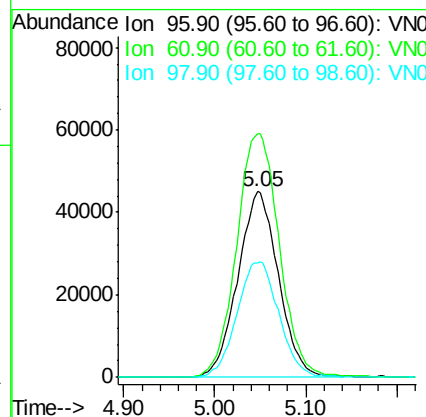
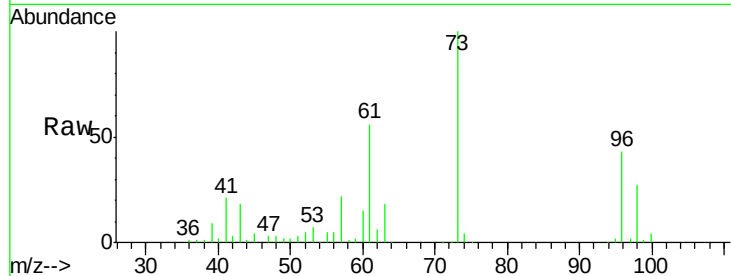
#21
trans-1,2-Dichloroethene
Concen: 21.315 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	110.1	165.1
98	62.0	50.0	75.0

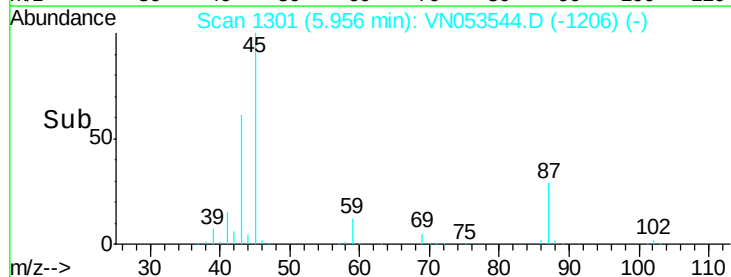
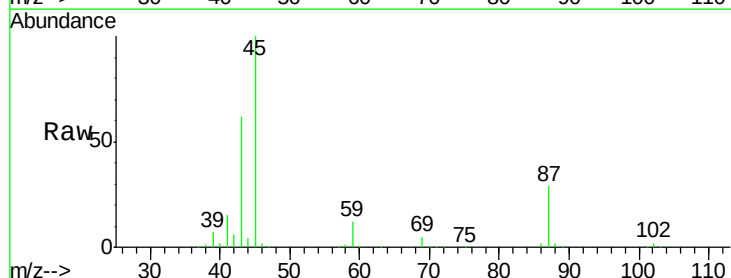
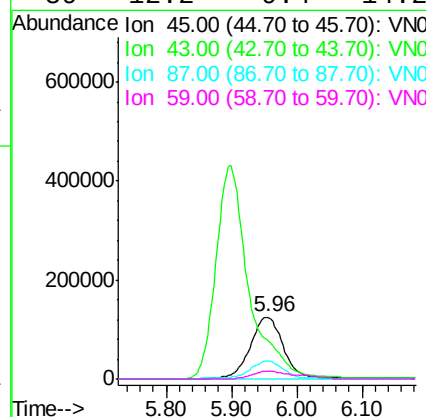
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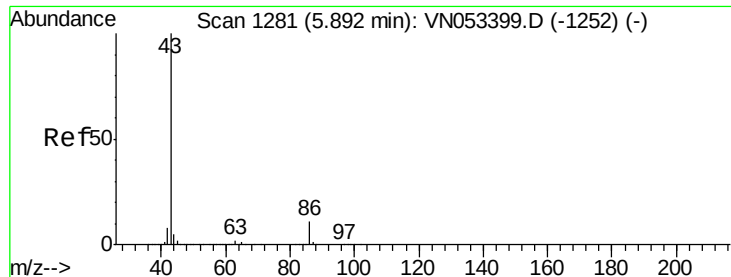
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#22
Diisopropyl ether
Concen: 21.475 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.4	44.2	66.4
87	28.2	22.7	34.1
59	12.2	9.4	14.2





#23

Vinyl Acetate

Concen: 118.309 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleID :

VN0128WBSD01

Tot Ion: 43 Resp: 1513797

Ion Ratio Lower Upper

43 100

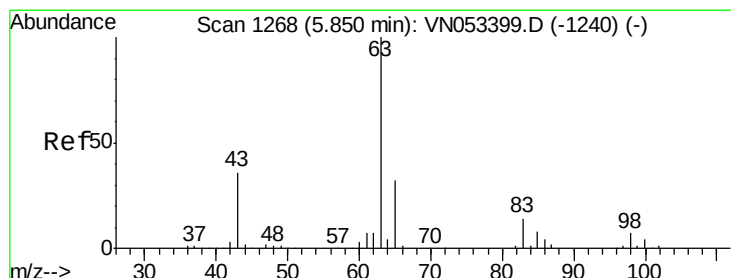
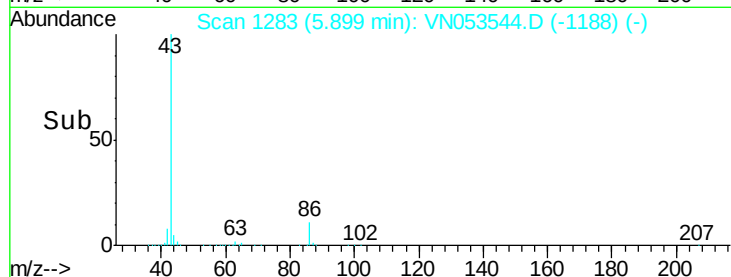
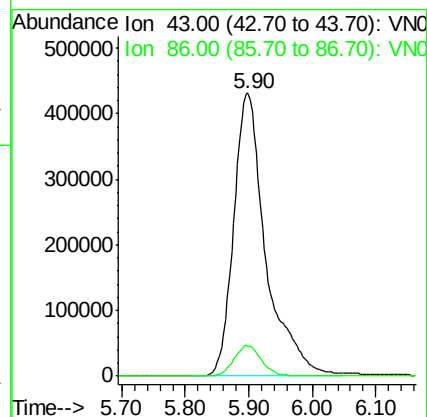
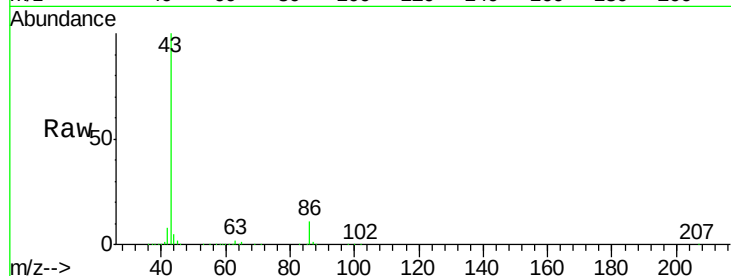
86 10.8 8.4 12.6

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#24

1,1-Dichloroethane

Concen: 22.243 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

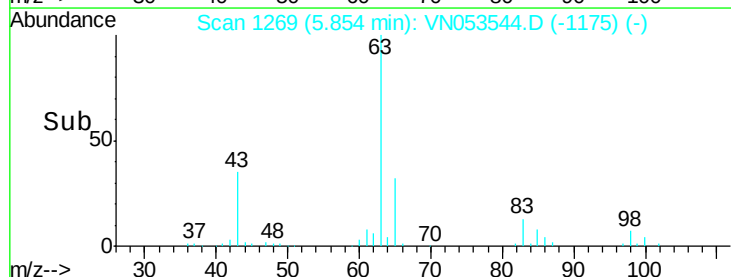
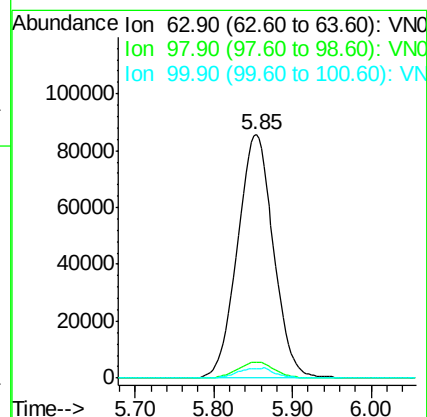
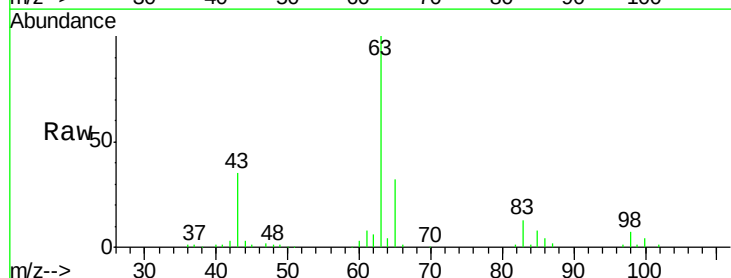
Tgt Ion: 63 Resp: 273705

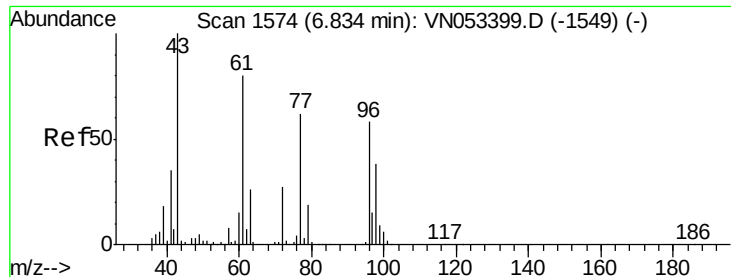
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 3.9 2.1 6.5





#25

2-Butanone

Concen: 120.778 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

Tot Ion: 43 Resp: 297580

Ion Ratio Lower Upper

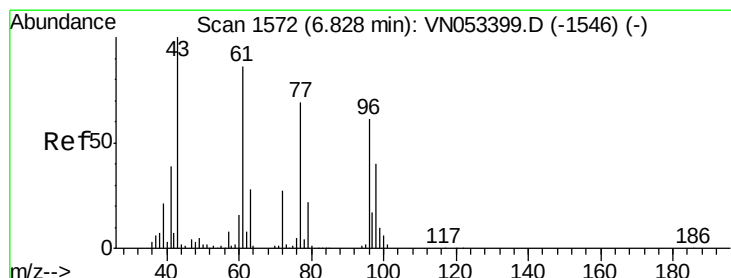
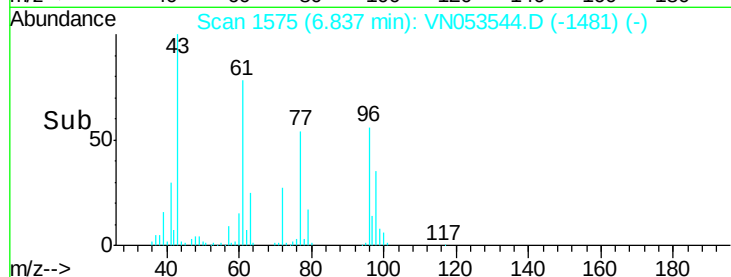
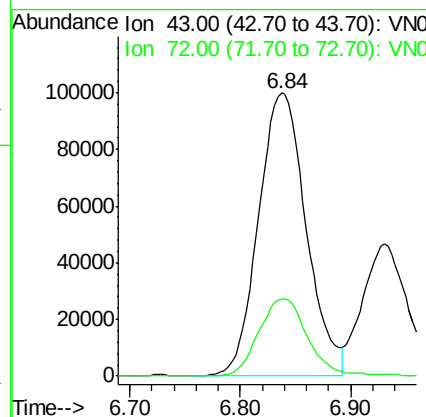
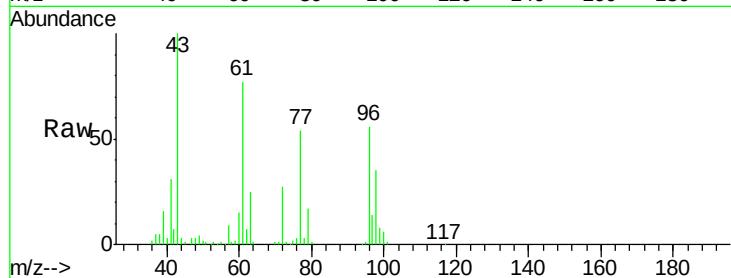
43 100

72 27.2 22.0 33.0

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#26

2,2-Dichloropropane

Concen: 20.414 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053544.D

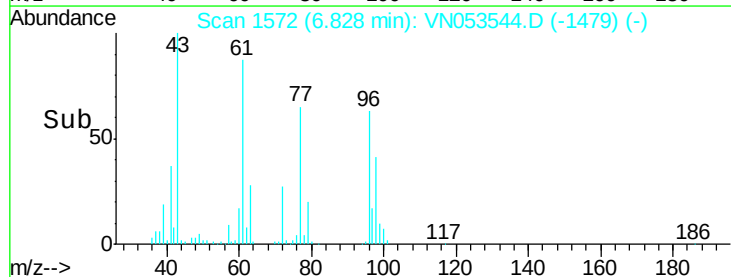
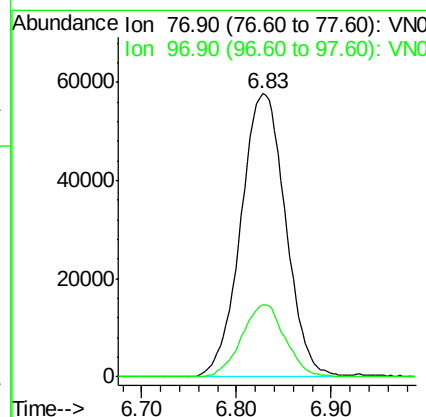
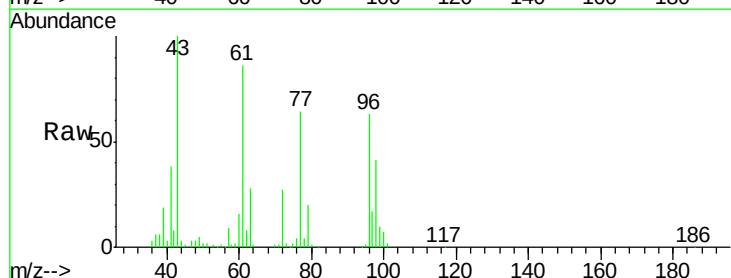
Acq: 28 Jan 2019 14:35

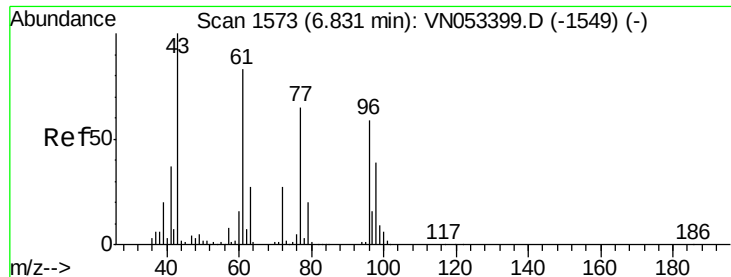
Tgt Ion: 77 Resp: 189662

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 22.467 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

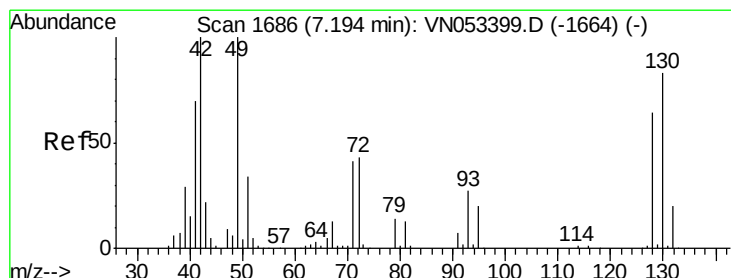
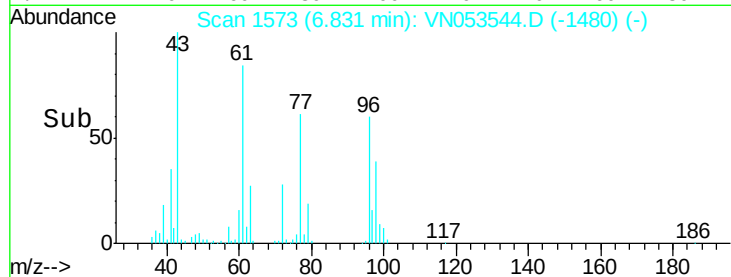
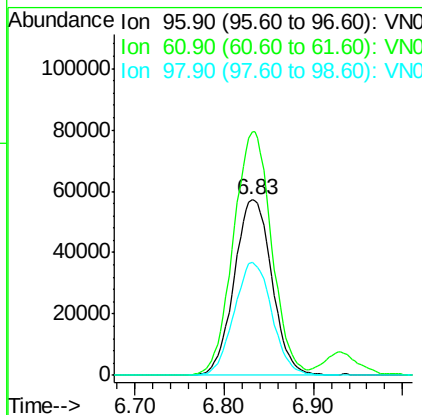
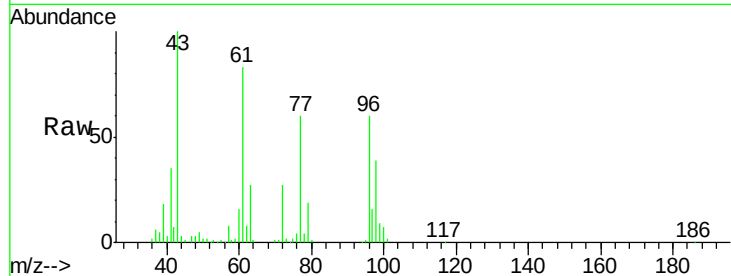
ClientSampleId :

VN0128WBSD01

Tot Ion:	96	Resp:	168603
Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	283.8
98	64.3	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 19.935 ug/l

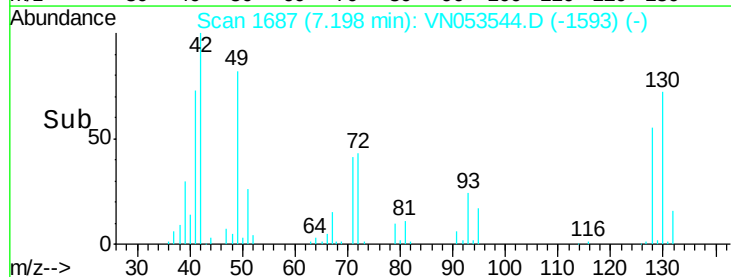
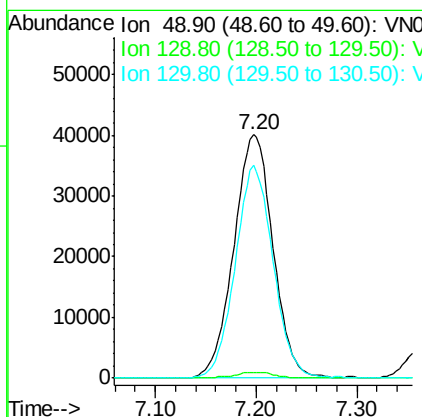
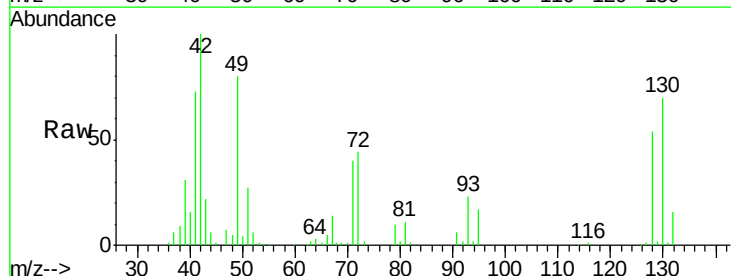
RT: 7.20 min Scan# 1687

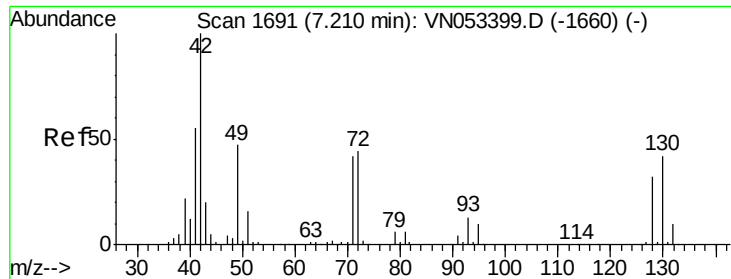
Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Tgt Ion:	49	Resp:	108067
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.0
130	84.5	66.3	99.5





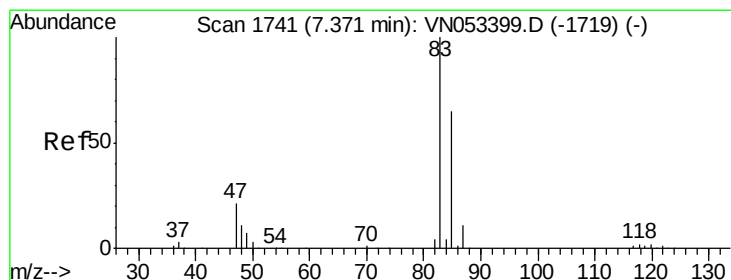
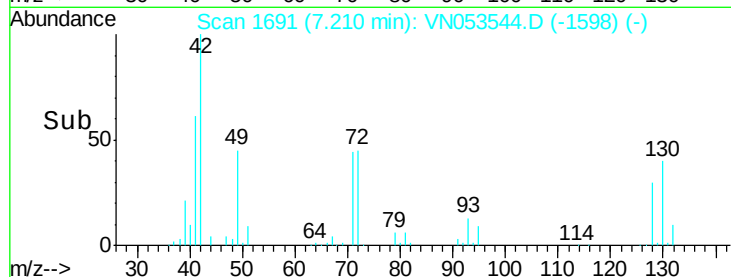
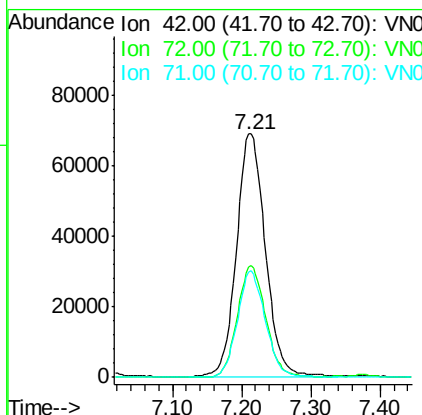
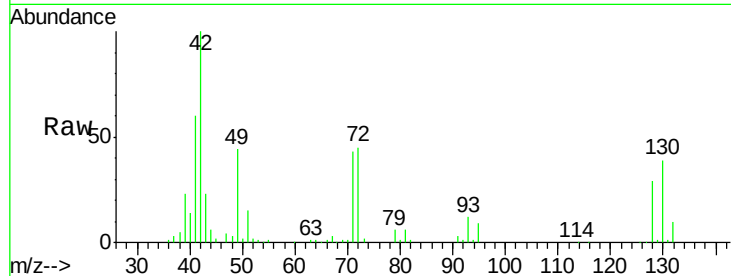
#29
Tetrahydrofuran
Concen: 124.396 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	35.2	52.8
71	42.3	33.0	49.4

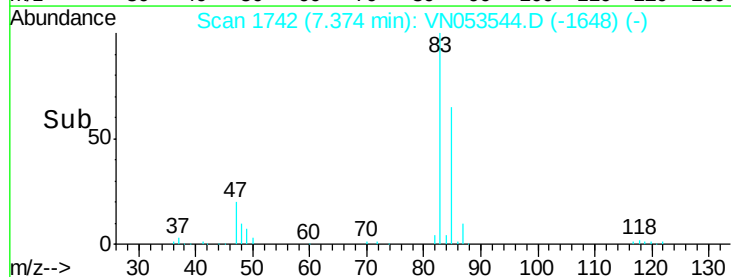
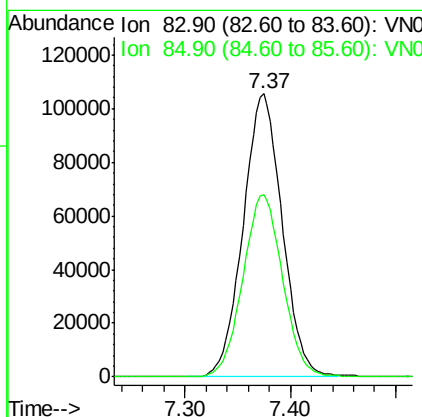
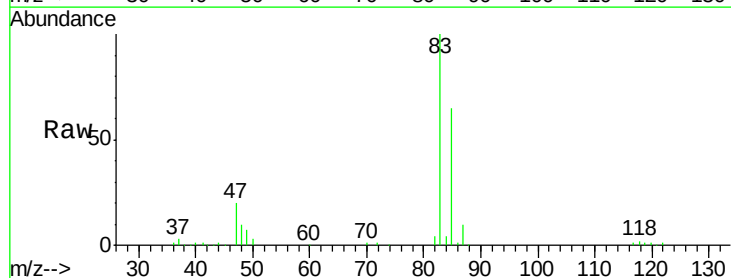
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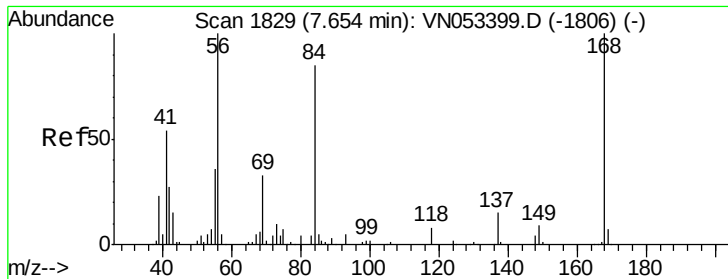
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#30
Chloroform
Concen: 22.648 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.2





#31

Cyclohexane

Concen: 20.065 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

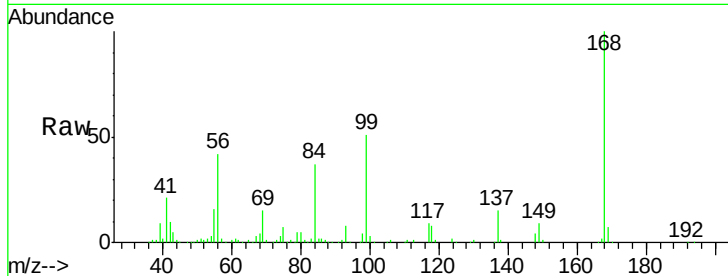
ClientSampleId :

VN0128WBSD01

Tot Ion:	56	Resp:	241879
Ion	Ratio	Lower	Upper
56	100		
69	36.8	26.4	39.6
84	87.2	67.9	101.9

Manual Integrations
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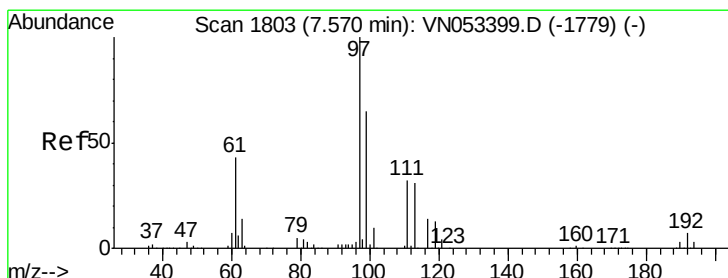
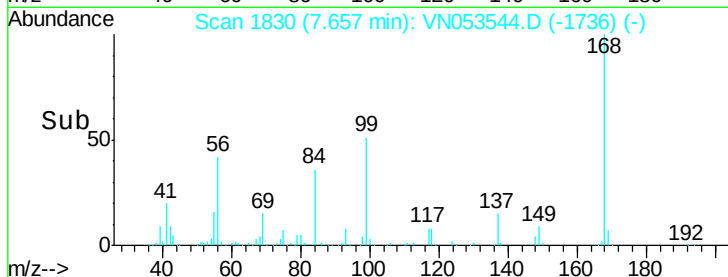
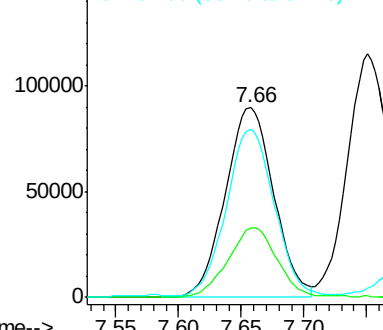


Abundance

Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 22.416 ug/l

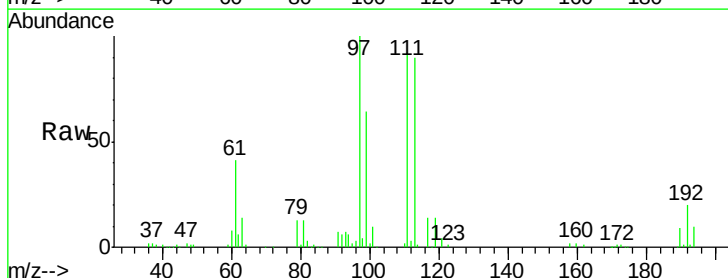
RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Tgt Ion:	97	Resp:	227973
Ion	Ratio	Lower	Upper
97	100		
99	62.8	52.0	78.0
61	41.4	34.4	51.6

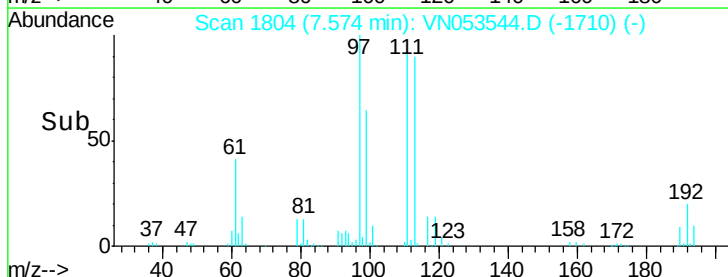
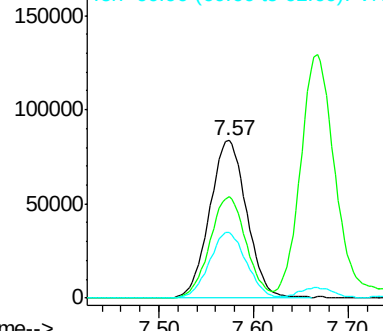


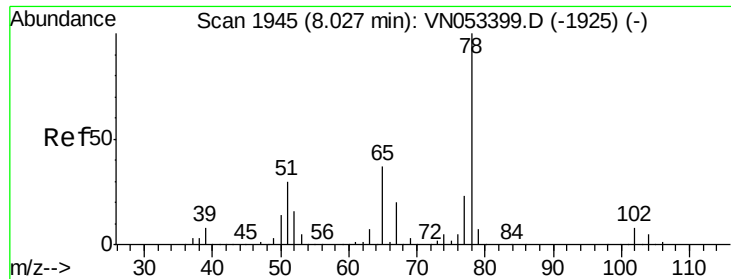
Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





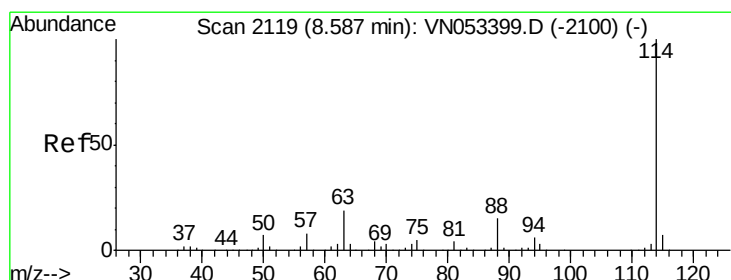
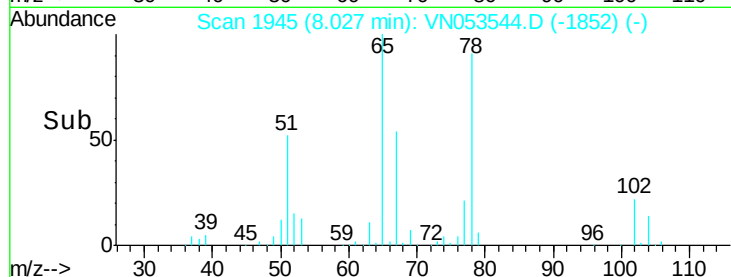
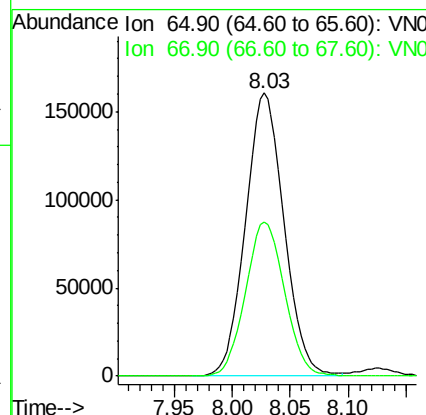
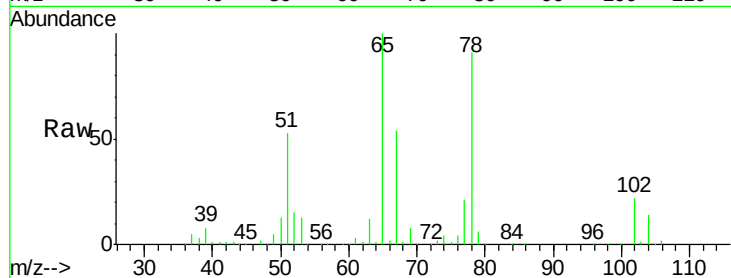
#33
 1,2-Dichloroethane-d4
 Concen: 22.416 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	371567		
67	55.3	0.0	111.2	

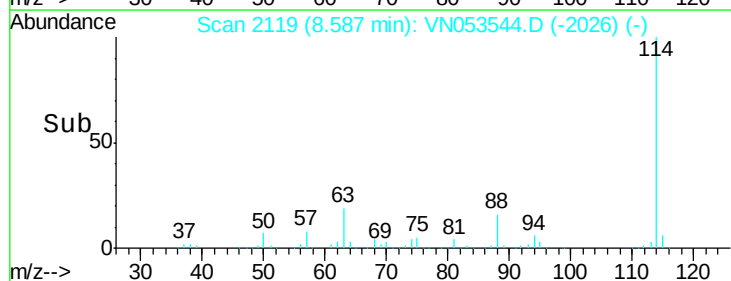
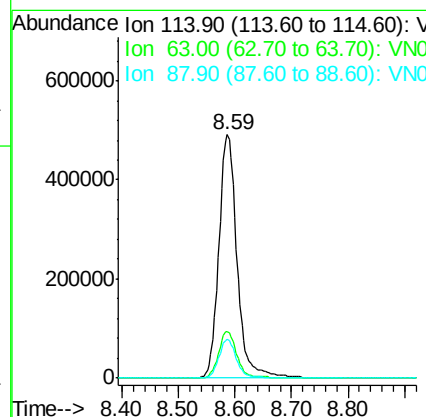
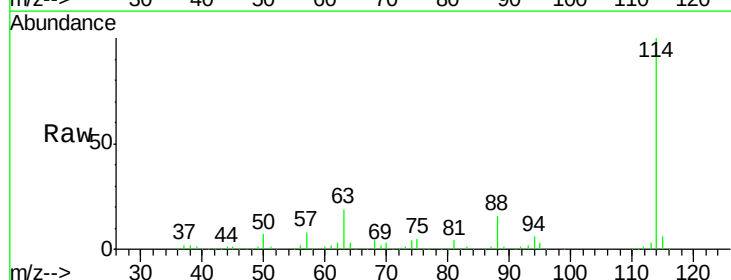
Manual Integrations
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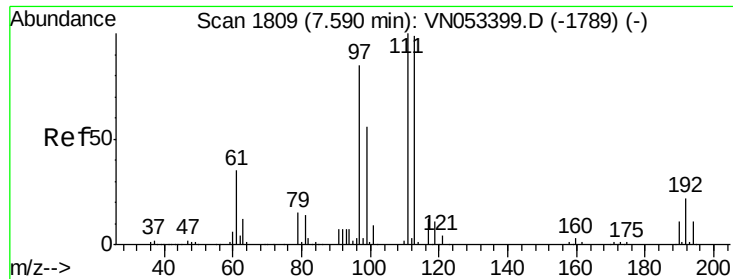
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1098576		
63	19.3	0.0	38.6	
88	15.9	0.0	30.4	





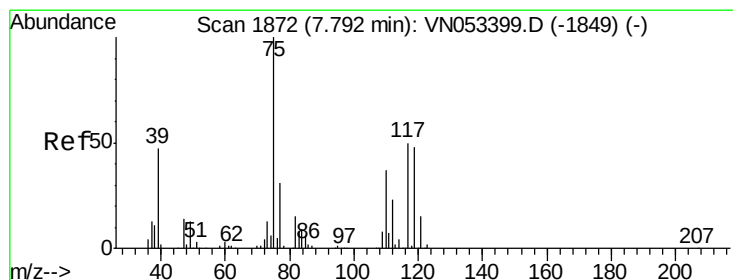
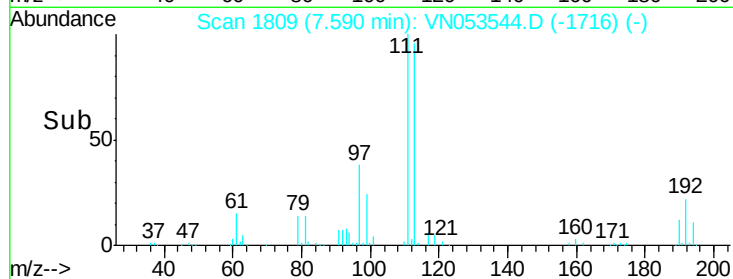
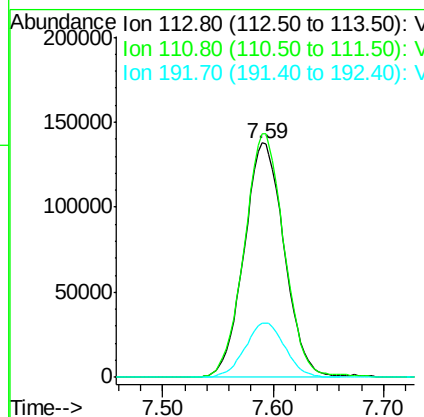
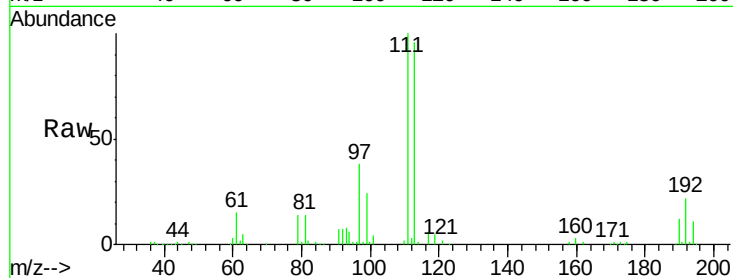
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	347207		
111	103.7	81.1	121.7	
192	23.3	18.2	27.2	

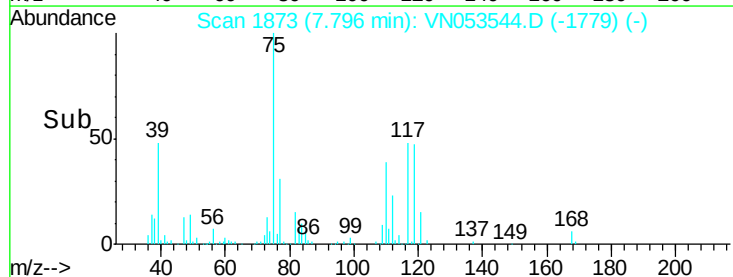
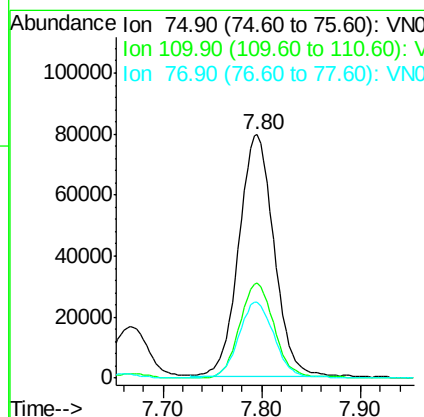
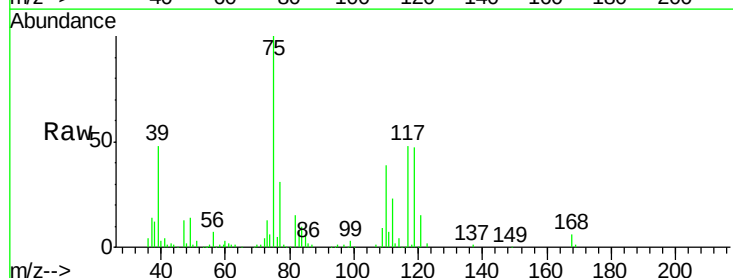
Manual Integrations
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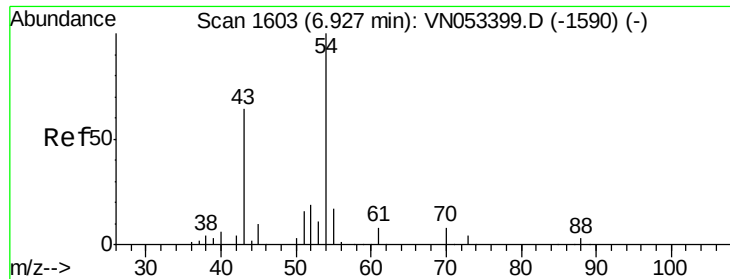
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#36
1,1-Dichloropropene
Concen: 19.570 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	195800		
110	38.7	18.1	54.3	
77	32.1	25.1	37.7	





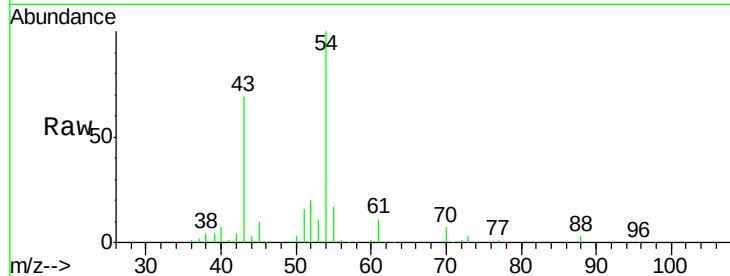
#37
Ethyl Acetate
Concen: 23.314 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

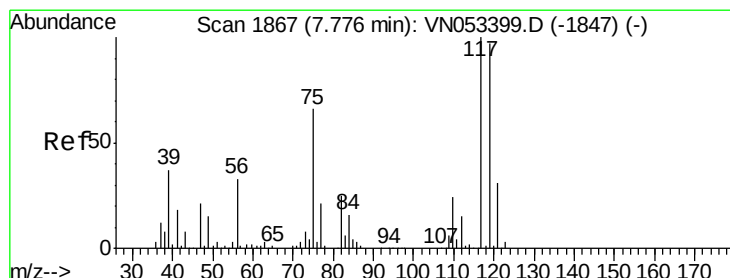
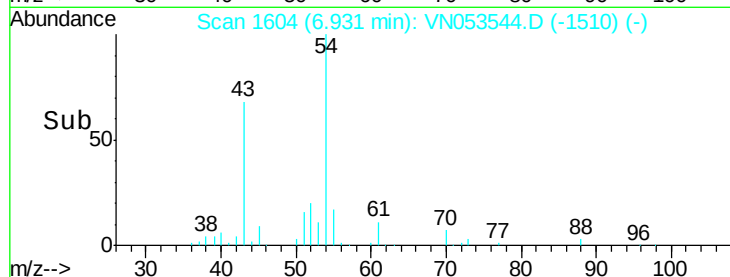
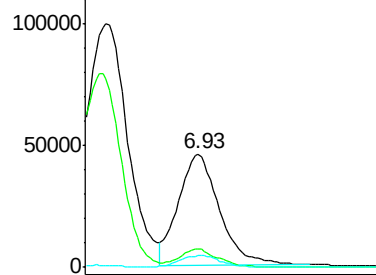
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	10.5	8.6	12.8

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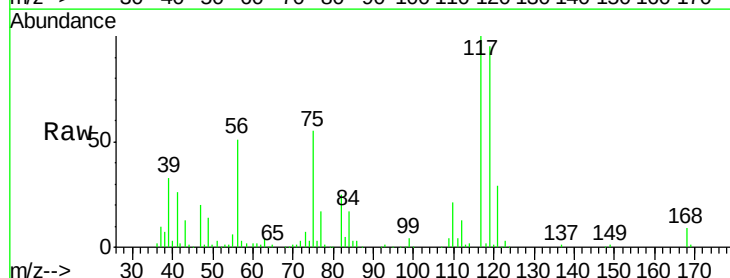


Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1590) (-)

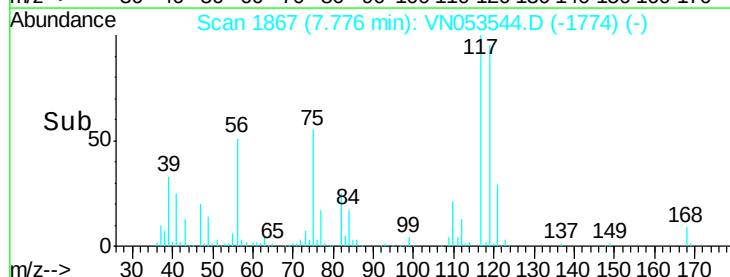
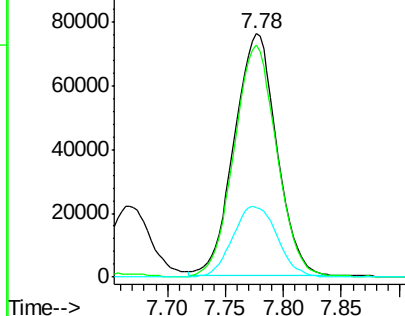


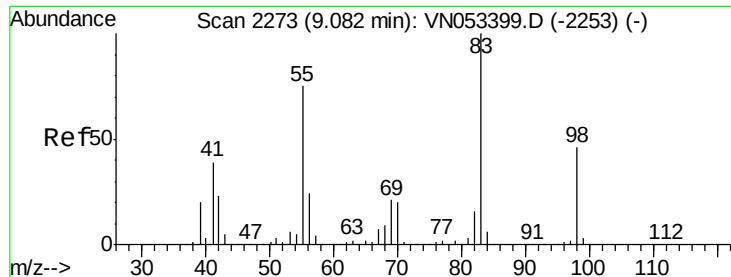
#38
Carbon Tetrachloride
Concen: 20.467 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.2	115.8
121	28.7	24.6	37.0



Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-1847) (-)





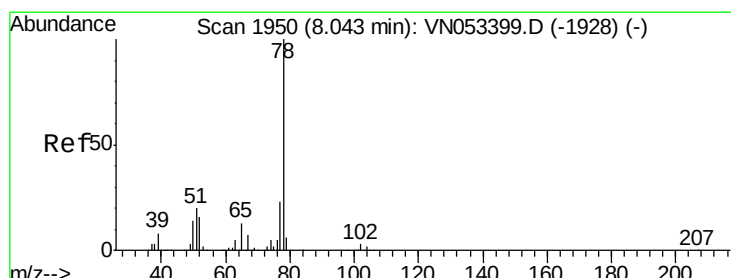
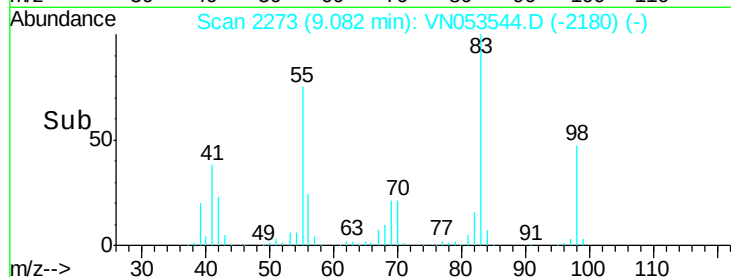
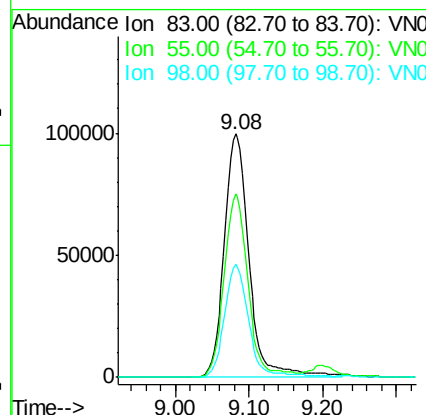
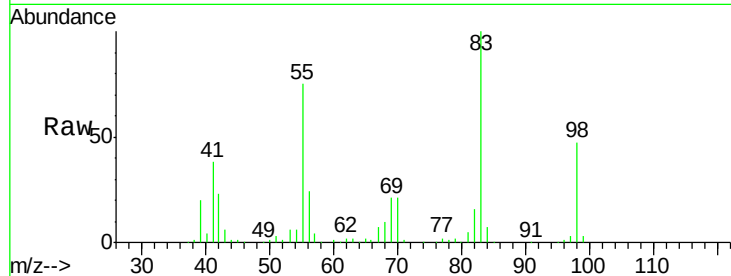
#39
Methylvlcyclohexane
Concen: 18.918 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	233936		
55	75.3		60.1	90.1
98	46.6		36.6	55.0

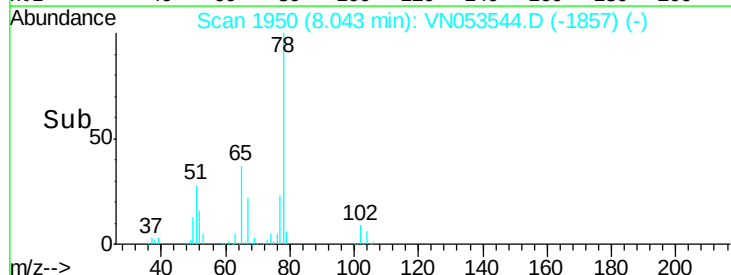
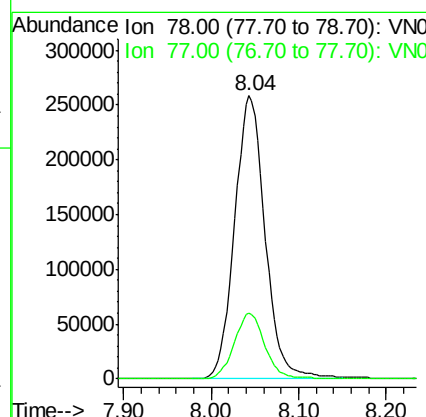
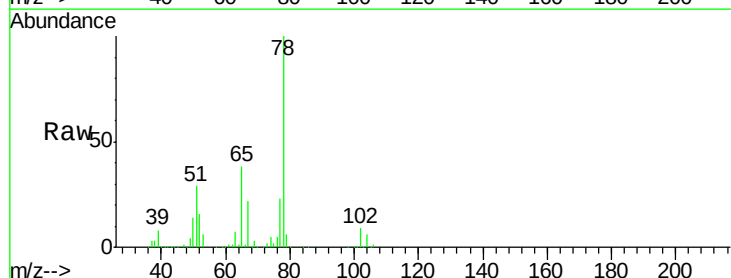
Manual Integrations
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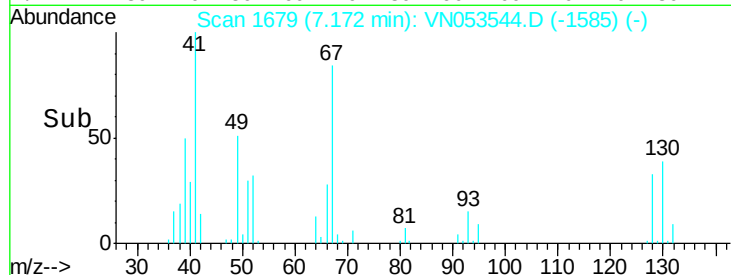
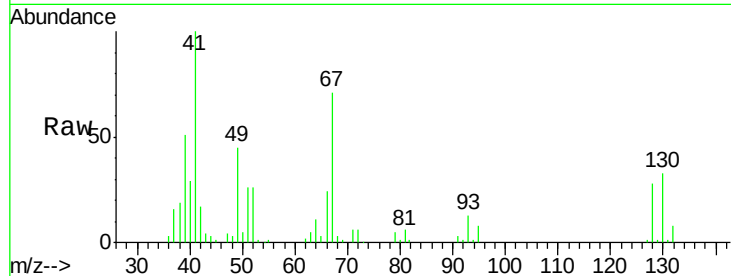
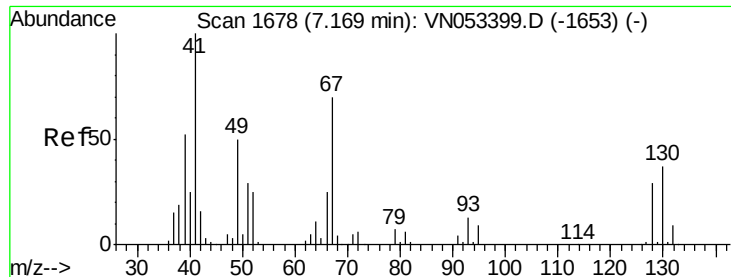
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#40
Benzene
Concen: 20.582 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

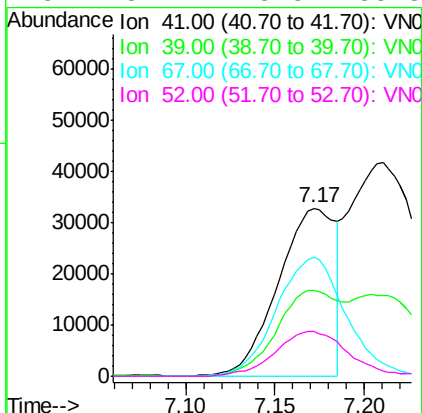
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	625762		
77	23.1		18.8	28.2





#41
Methacrylonitrile
Concen: 21.677 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

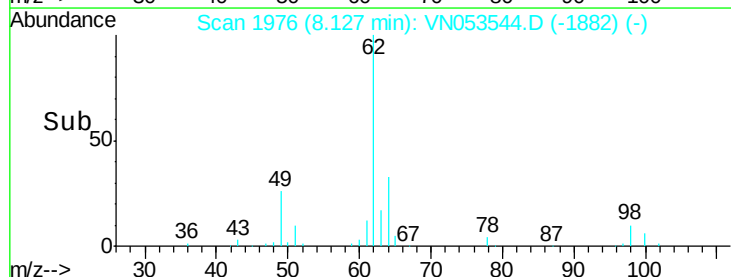
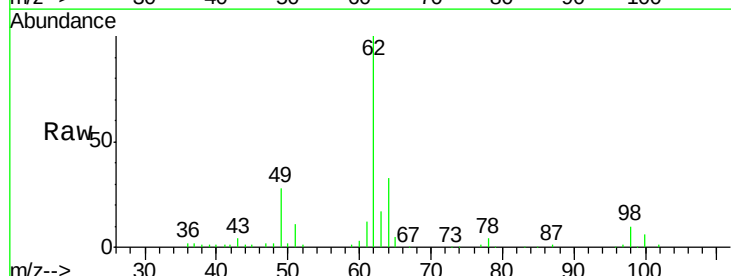
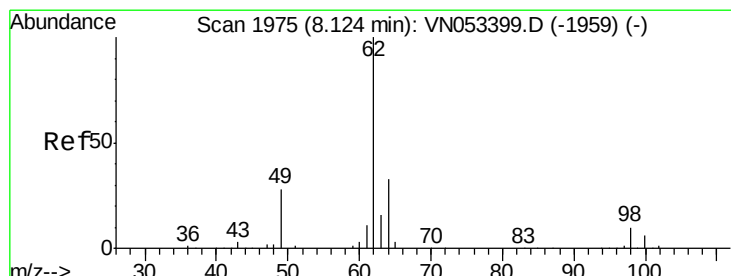
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.5	46.8	70.2	
67	86.0	63.0	94.6	
52	34.1	23.8	35.8	



Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

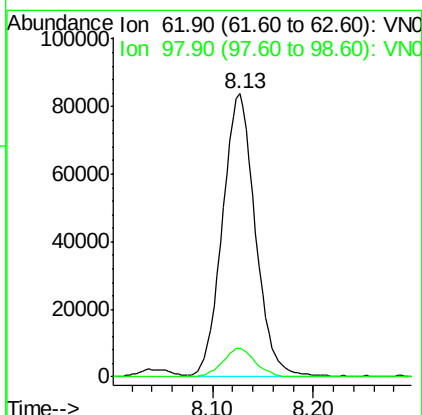
Manual Integrations
APPROVED

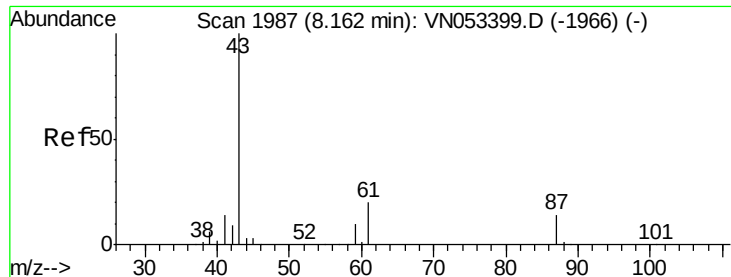
MMDadoda
1/29/2019 9:52:47 AM



#42
1,2-Dichloroethane
Concen: 21.361 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	19.6	





#43

Isopropyl Acetate

Concen: 25.886 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

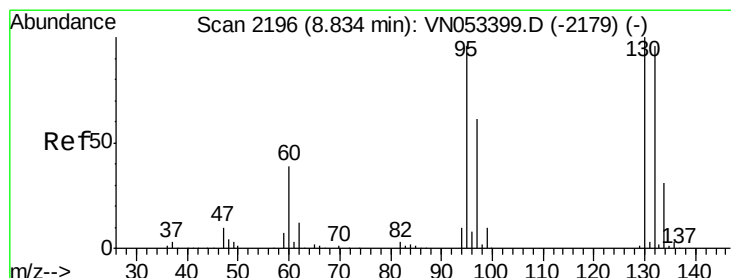
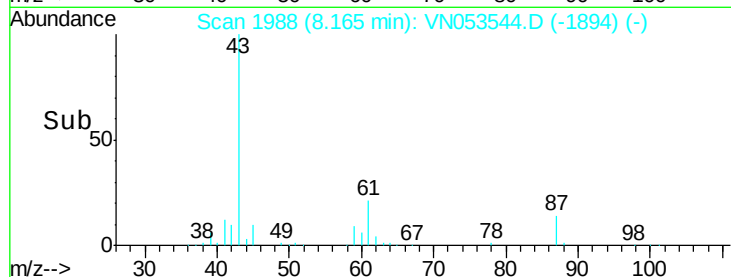
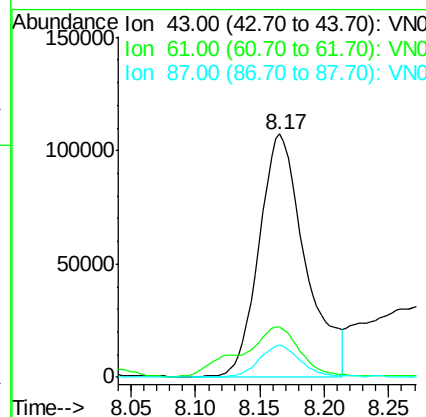
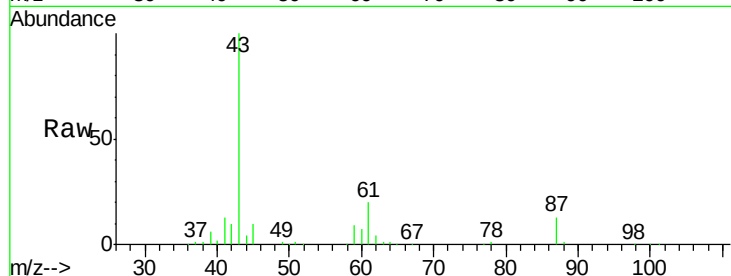
ClientSampleId :

VN0128WBSD01

Tot Ion:	43	Resp:	267920
Ion	Ratio	Lower	Upper
43	100		
61	18.8	23.9	35.9#
87	11.9	11.0	16.6

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#44

Trichloroethene

Concen: 20.916 ug/l

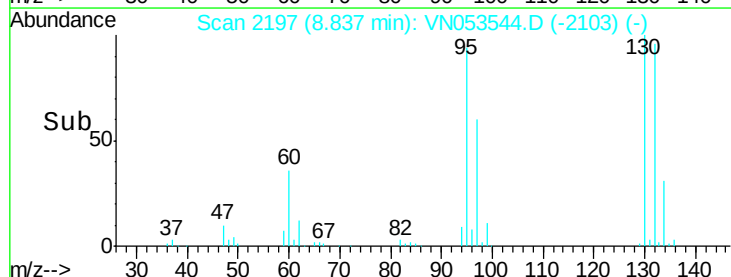
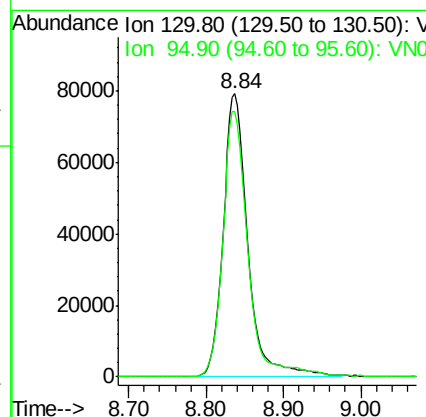
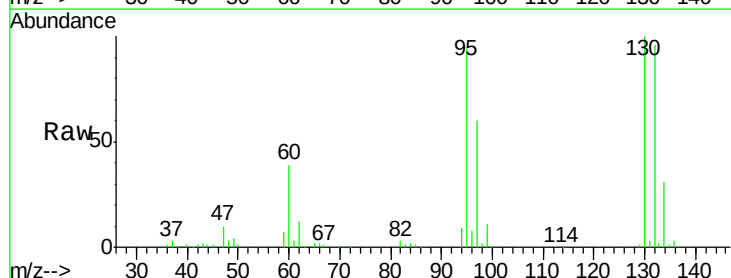
RT: 8.84 min Scan# 2197

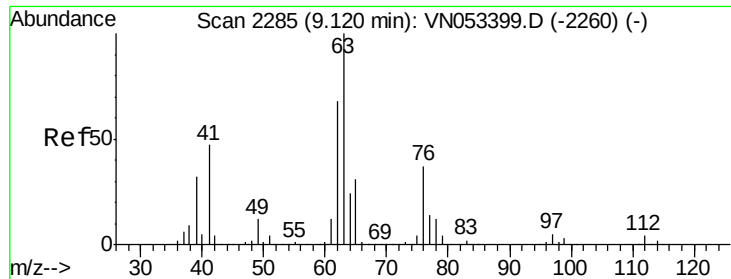
Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Tgt Ion:	130	Resp:	176349
Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	191.4





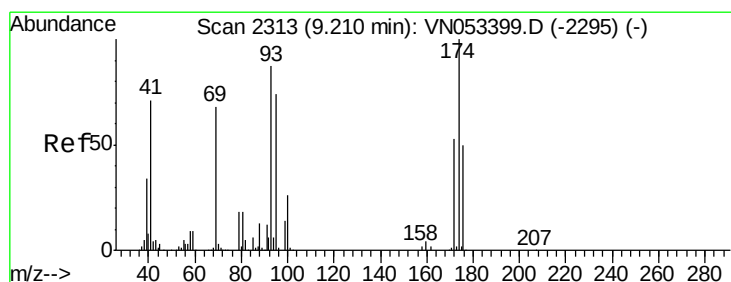
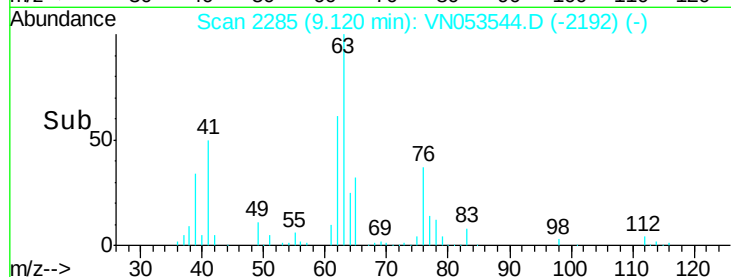
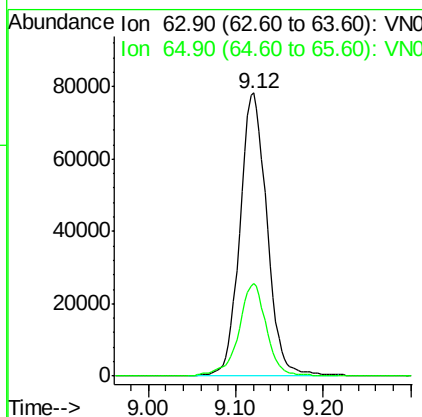
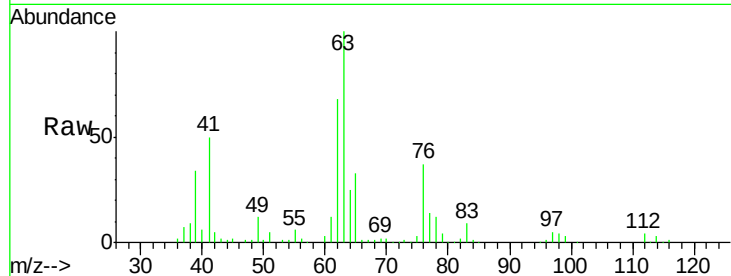
#45
 1,2-Dichloropropane
 Concen: 20.921 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBSD01

Tot Ion: 63 Resp: 168470
 Ion Ratio Lower Upper
 63 100
 65 32.9 25.0 37.4

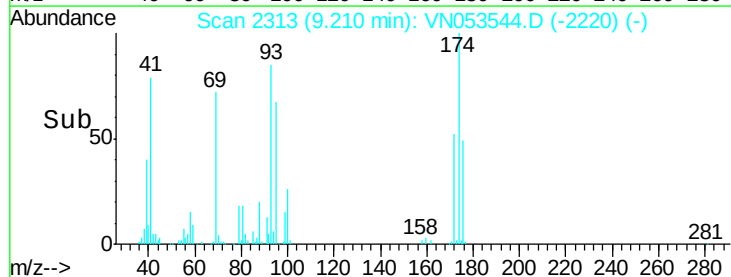
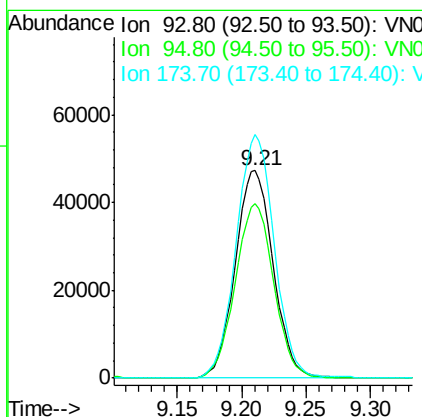
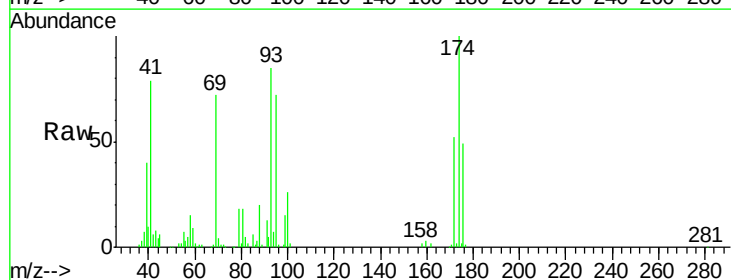
Manual Integrations
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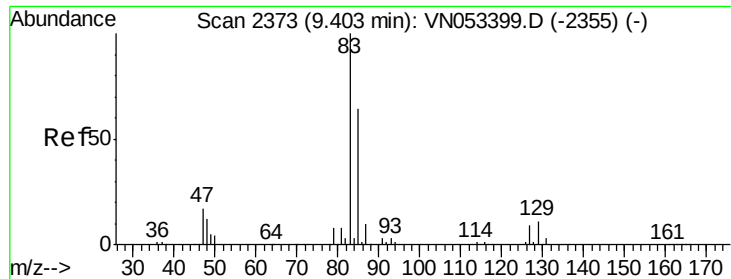
MMDadoda
 1/29/2019 9:52:47 AM



#46
 Dibromomethane
 Concen: 20.956 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Tgt Ion: 93 Resp: 96955
 Ion Ratio Lower Upper
 93 100
 95 85.5 67.3 100.9
 174 117.8 91.0 136.4





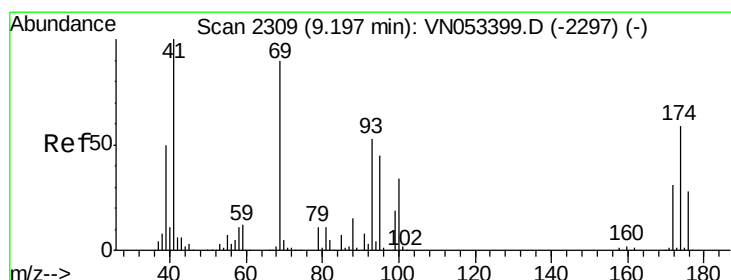
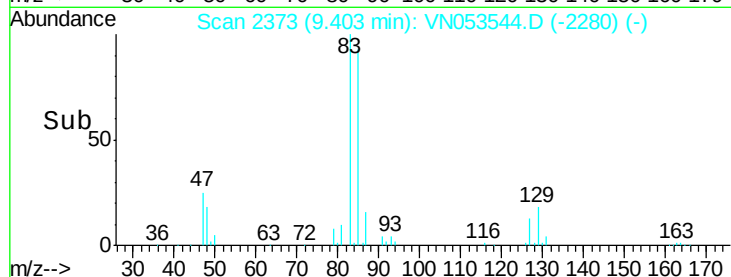
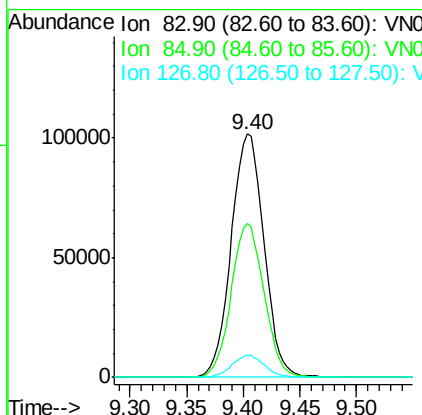
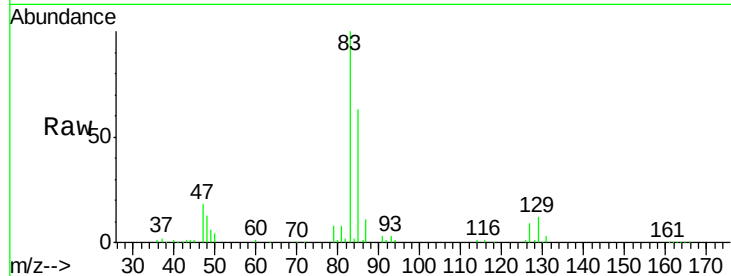
#47
Bromodichloromethane
Concen: 21.141 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion	83	Resp	205695
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	51.0	76.6
127	9.0	7.0	10.6

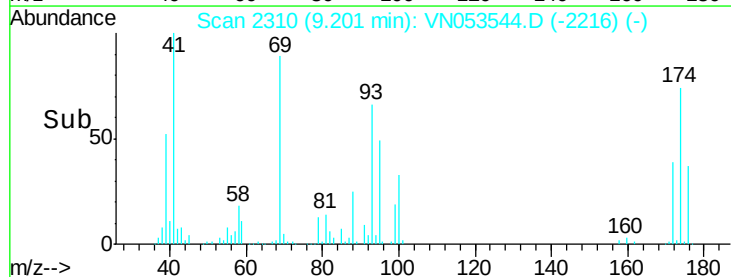
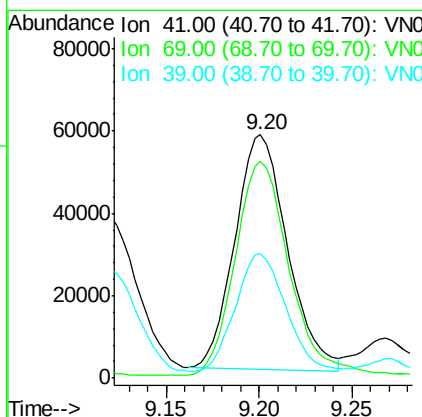
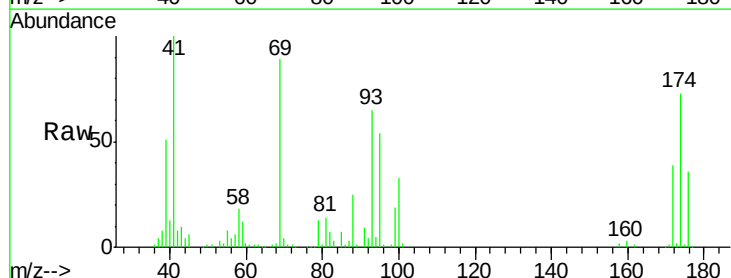
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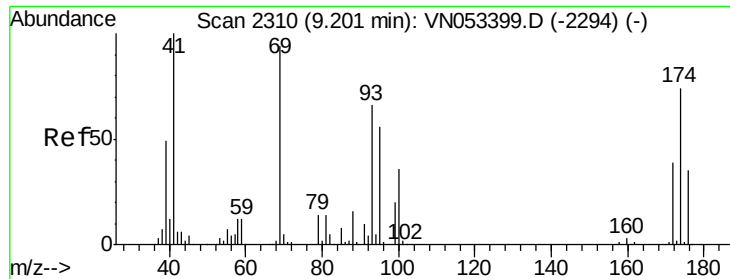
MMDadoda
1/29/2019 9:52:47 AM



#48
Methyl methacrylate
Concen: 21.017 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	41	Resp	112313
Ion Ratio	100	Lower	Upper
41	100		
69	97.1	73.8	110.6
39	54.5	40.0	60.0





#49

1,4-Dioxane

Concen: 609.569 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

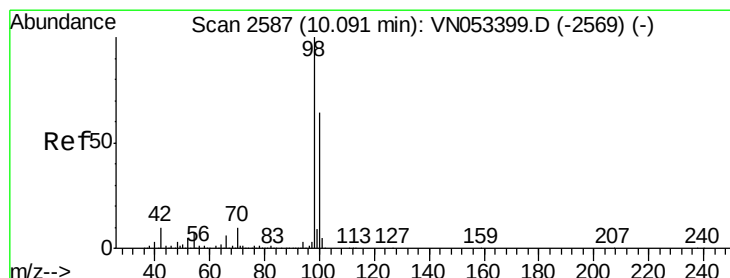
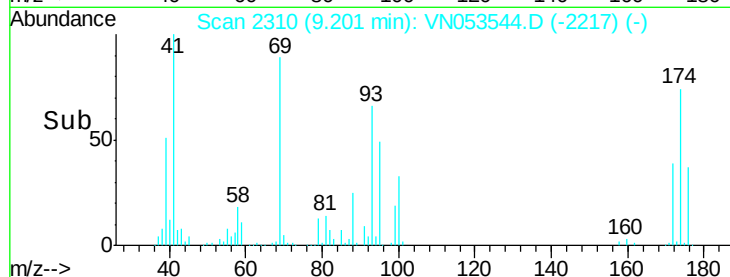
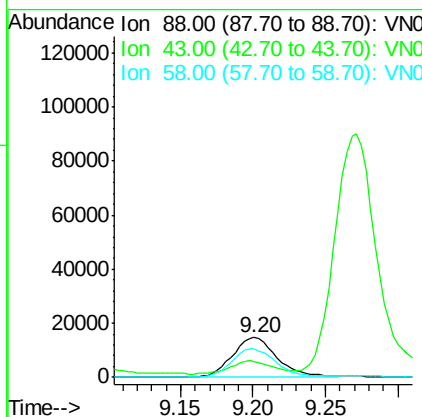
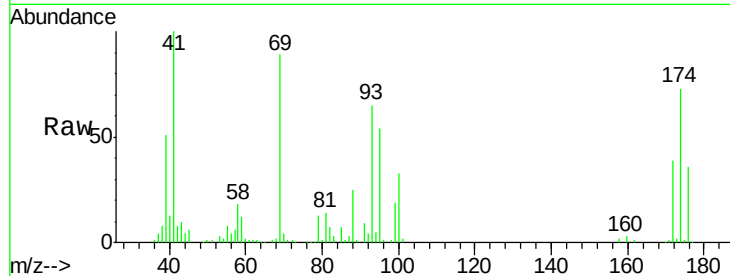
ClientSampleId :

VN0128WBSD01

Tot Ion:	88	Resp:	31814
Ion	Ratio	Lower	Upper
88	100		
43	30.6	27.8	41.6
58	72.0	56.5	84.7

Manual Integrations
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#50

Toluene-d8

Concen: 609.569 ug/l

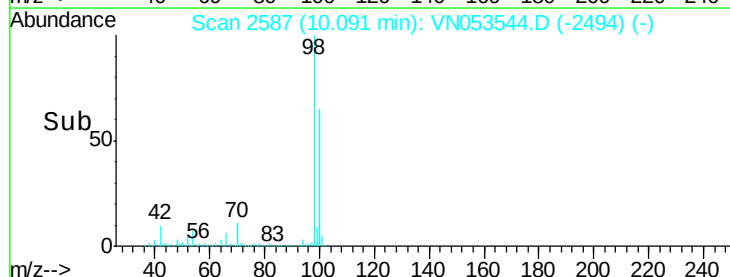
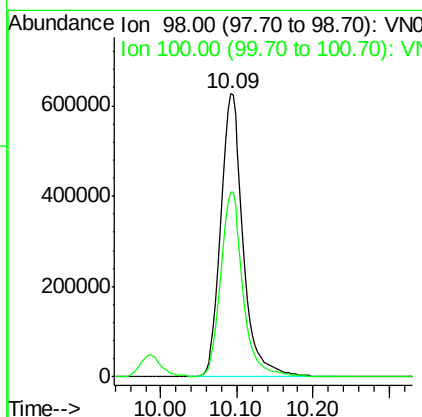
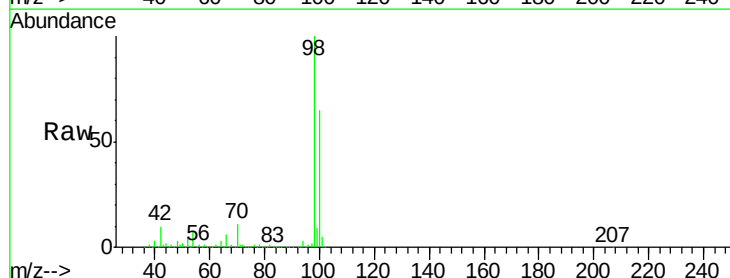
RT: 10.09 min Scan# 2587

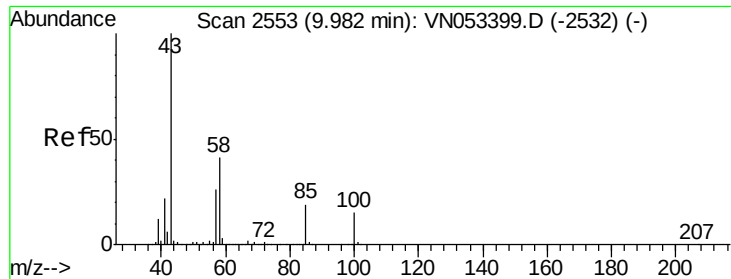
Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Tgt Ion:	98	Resp:	1285124
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.4	77.0





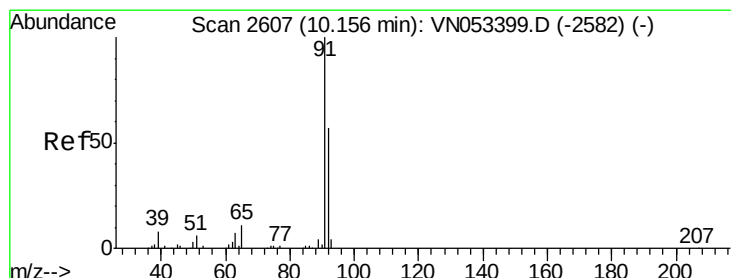
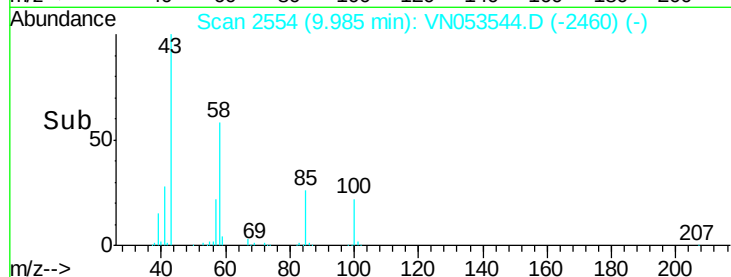
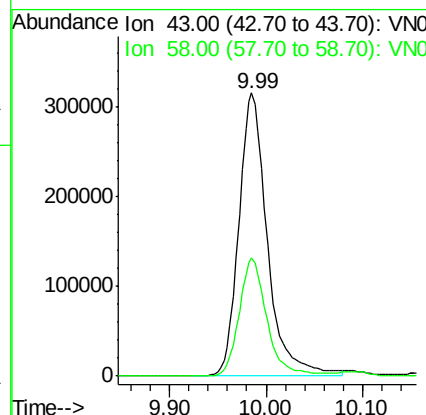
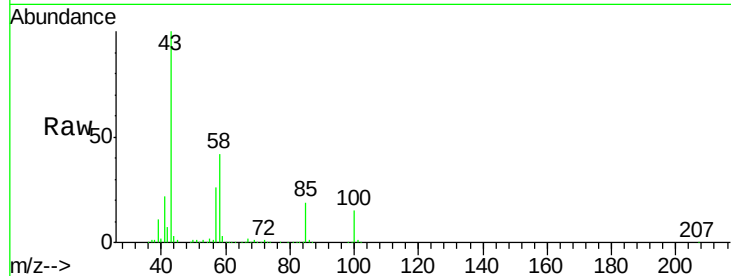
#51
4-Methyl-2-Pentanone
Concen: 113.140 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion: 43 Resp: 639248
Ion Ratio Lower Upper
43 100
58 41.0 32.8 49.2

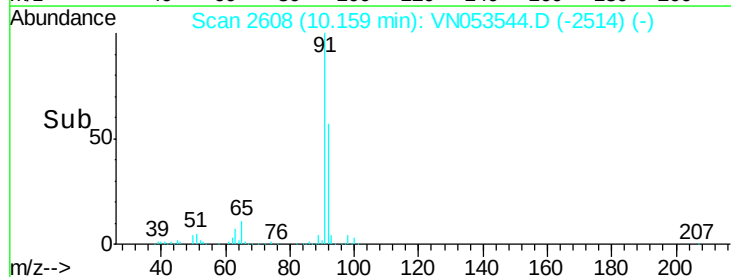
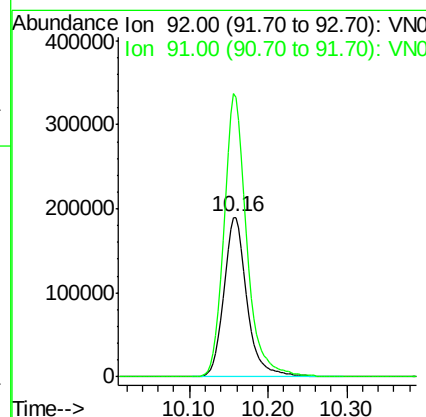
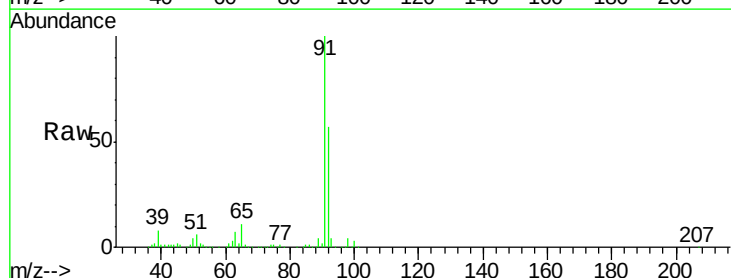
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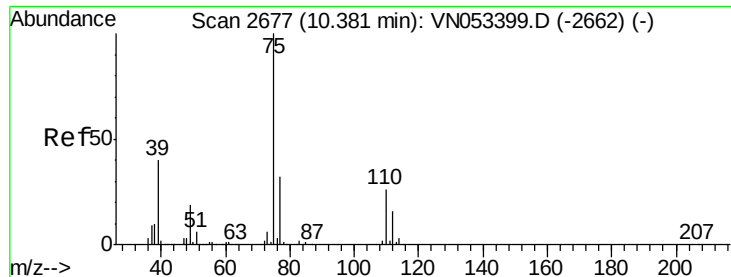
MMDadoda
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#52
Toluene
Concen: 20.403 ug/l
RT: 10.16 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion: 92 Resp: 385096
Ion Ratio Lower Upper
92 100
91 174.1 139.9 209.9





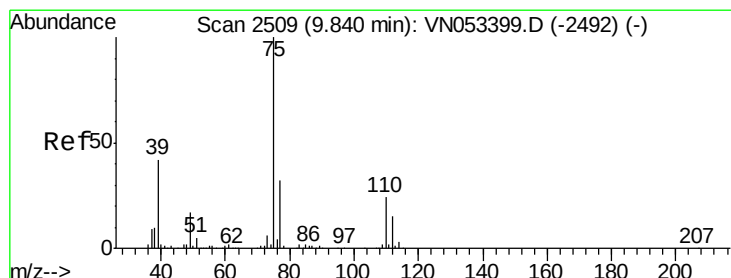
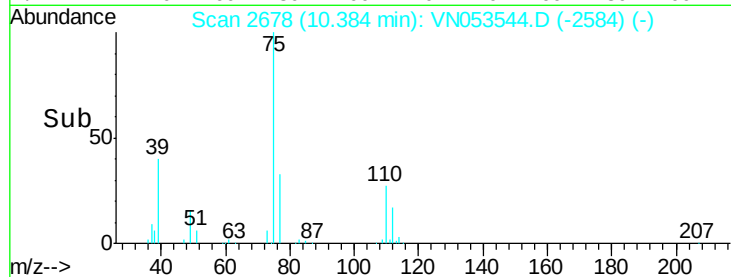
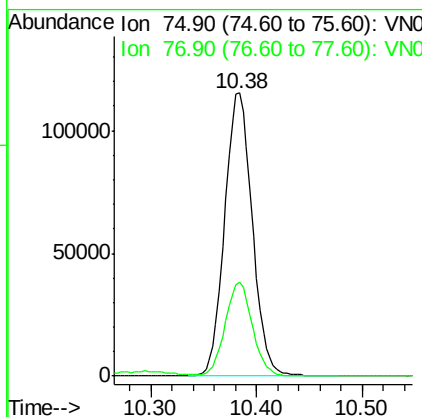
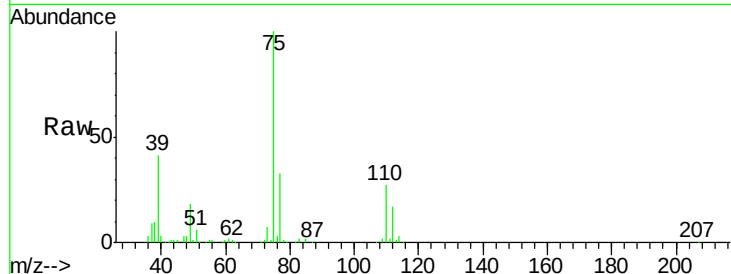
#53
t-1,3-Dichloropropene
Concen: 21.197 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.5	38.3

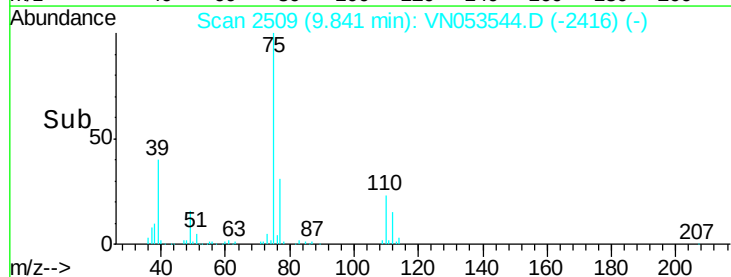
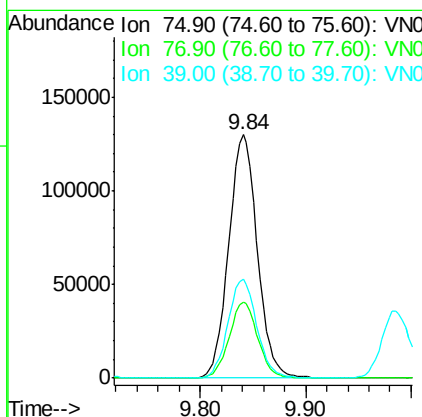
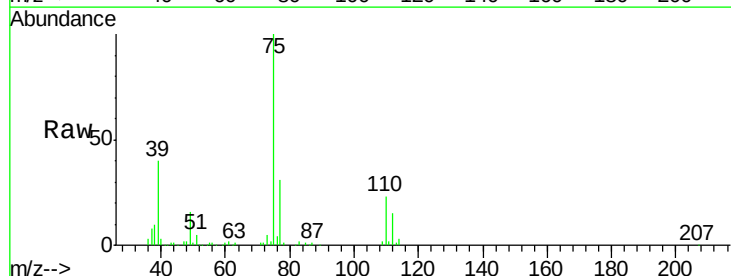
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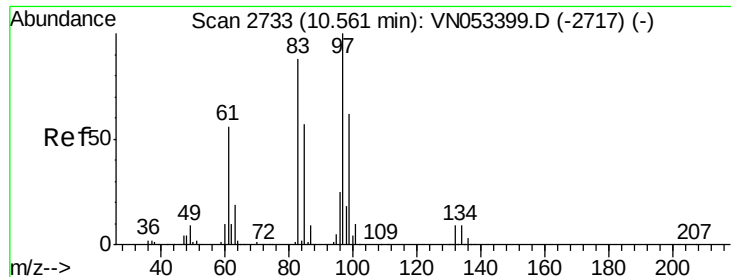
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.076 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.8	38.6
39	40.4	33.4	50.0





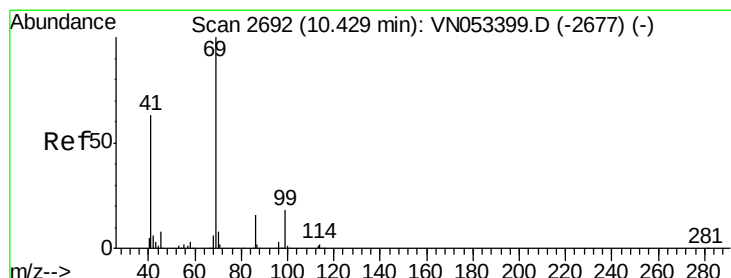
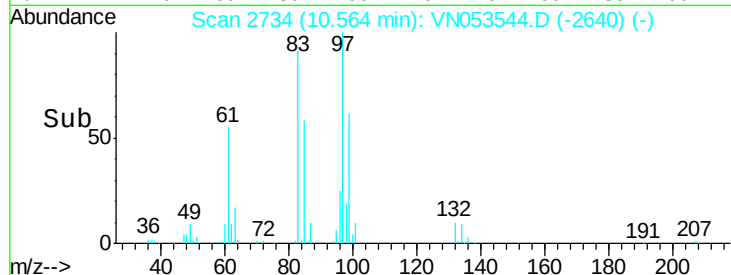
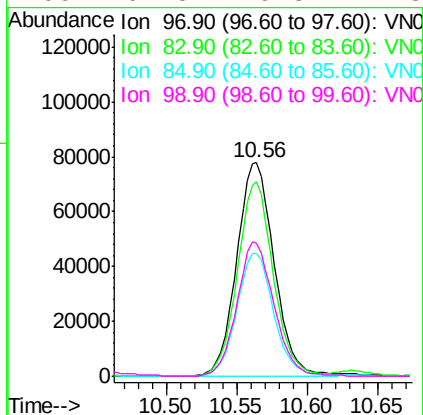
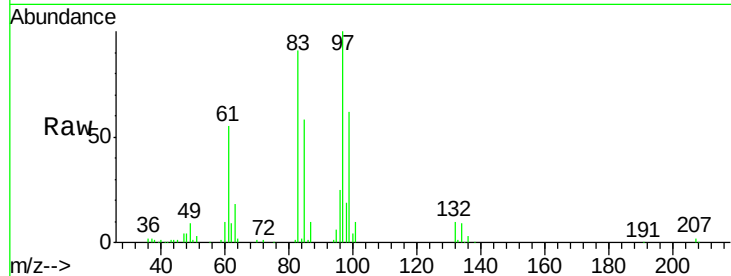
#55
 1,1,2-Trichloroethane
 Concen: 22.260 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		144852		
83	90.9	70.1	105.1		
85	57.8	45.4	68.0		
99	62.3	49.8	74.8		

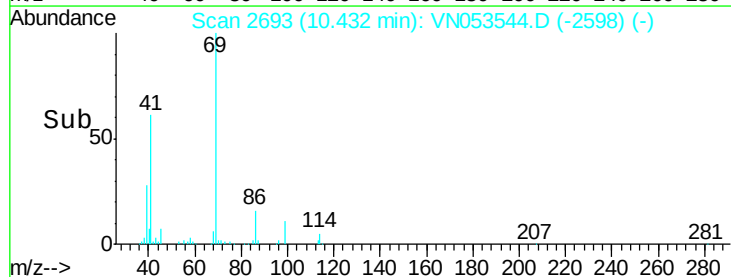
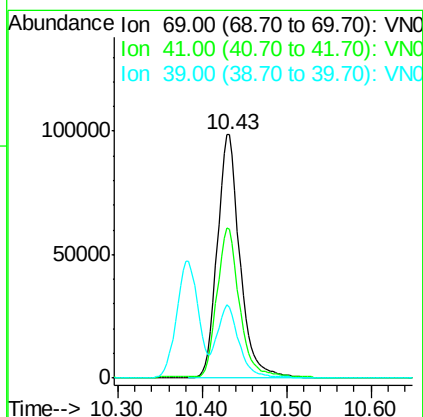
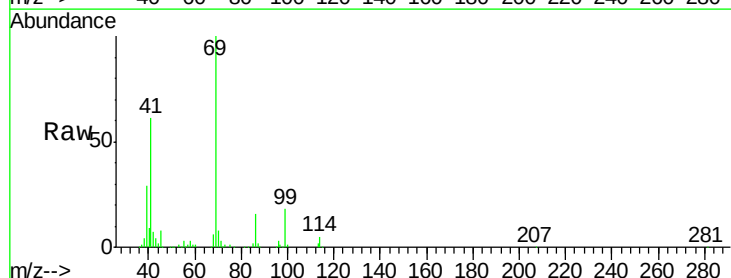
Manual Integrations
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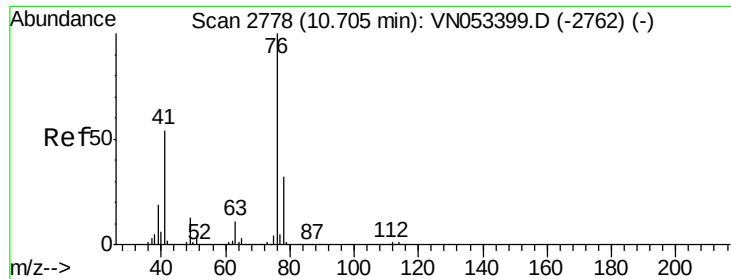
MMDadoda
 1/29/2019 9:52:47 AM



#56
 Ethyl methacrylate
 Concen: 21.236 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		184712		
41	60.0	49.4	74.0		
39	28.3	23.3	34.9		





#57

1,3-Dichloropropane

Concen: 21.561 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

Tot Ion: 76 Resp: 242715

Ion Ratio Lower Upper

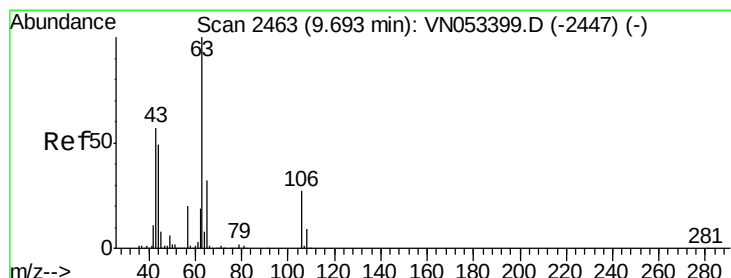
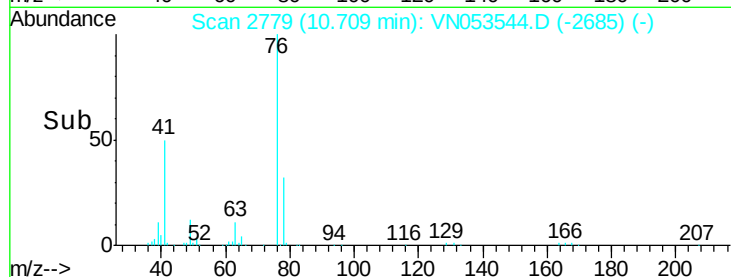
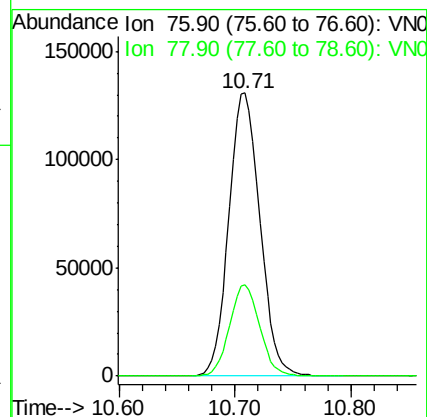
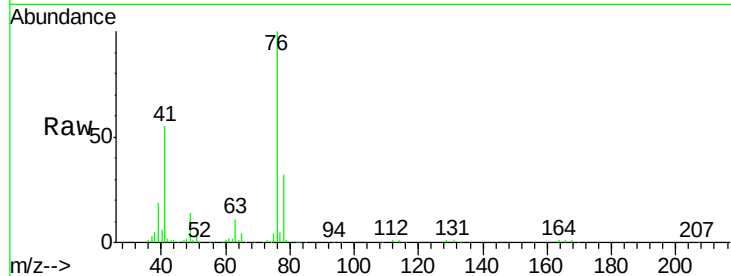
76 100

78 31.3 25.6 38.4

Manual Integrations
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MMDadoda

1/29/2019 9:52:47 AM



#58

2-Chloroethyl Vinyl ether

Concen: 110.339 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053544.D

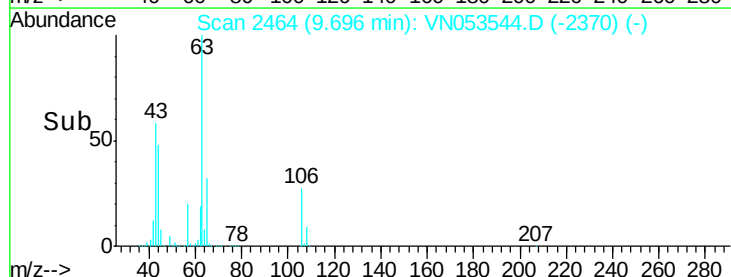
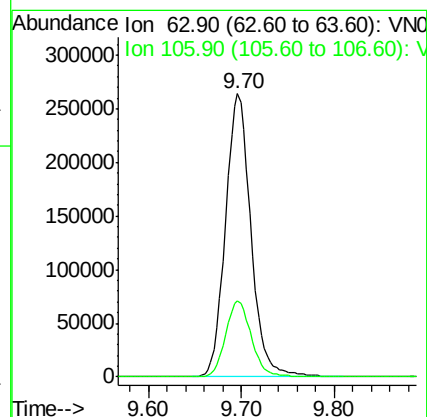
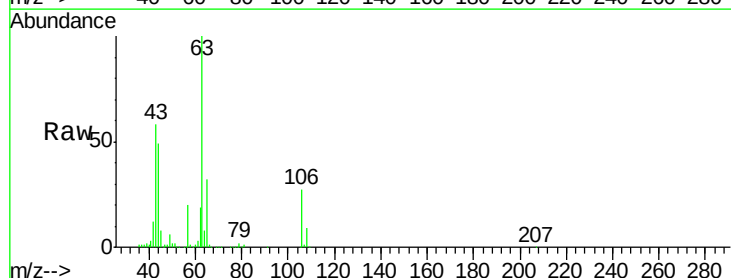
Acq: 28 Jan 2019 14:35

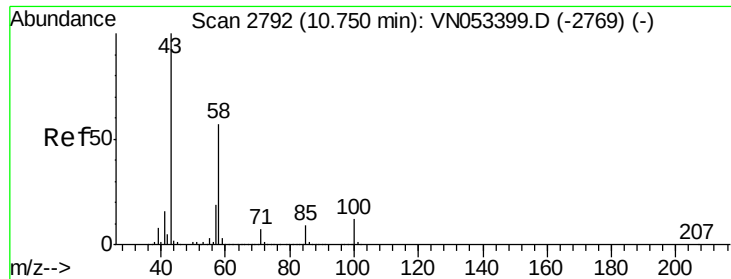
Tgt Ion: 63 Resp: 502315

Ion Ratio Lower Upper

63 100

106 27.3 21.5 32.3





#59

2-Hexanone

Concen: 107.254 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

VN0128WBSD01

Tot Ion: 43 Resp: 425399

Ion Ratio Lower Upper

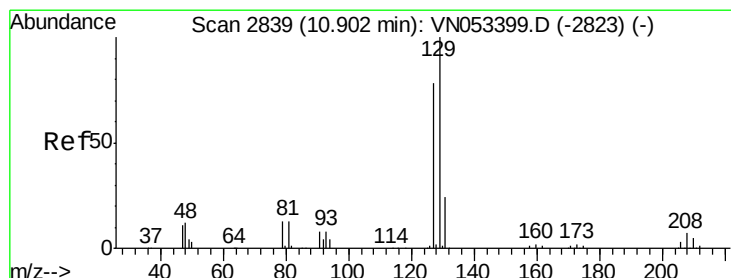
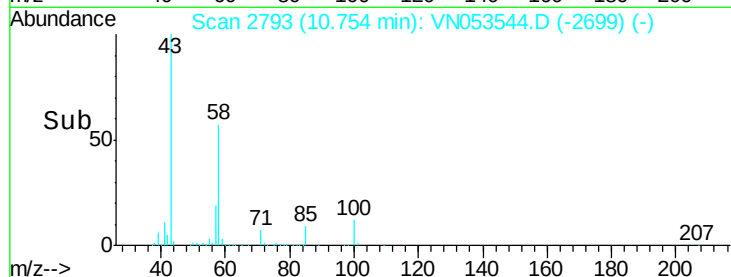
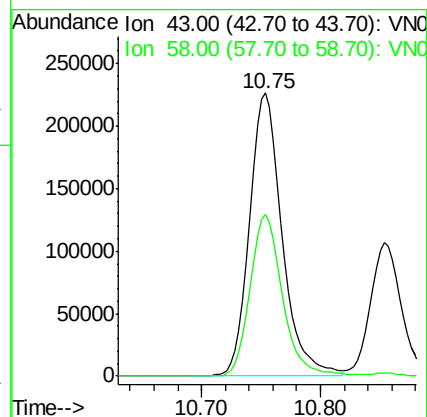
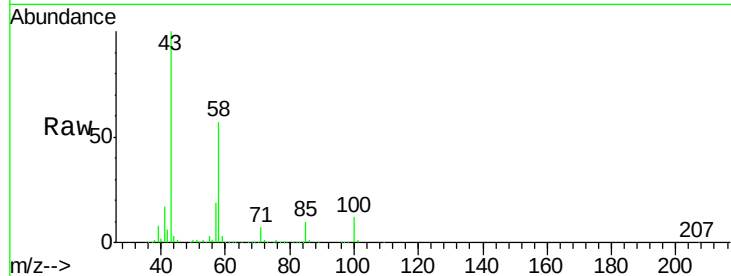
43 100

58 57.3 28.6 85.8

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#60

Dibromochloromethane

Concen: 20.784 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN053544.D

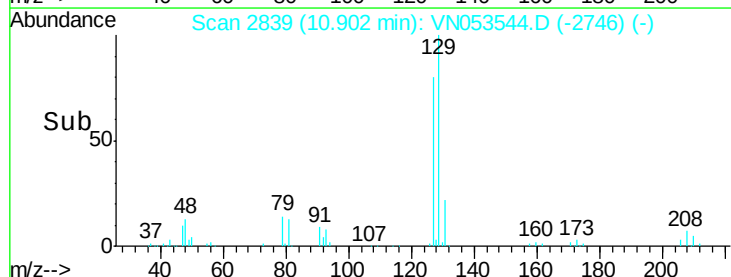
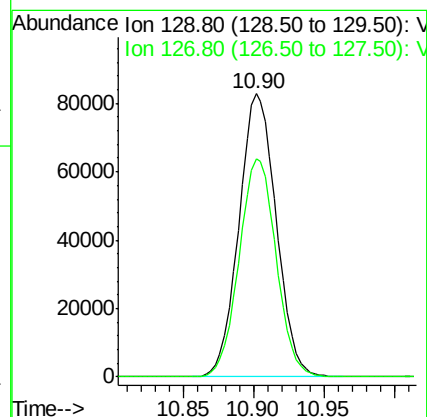
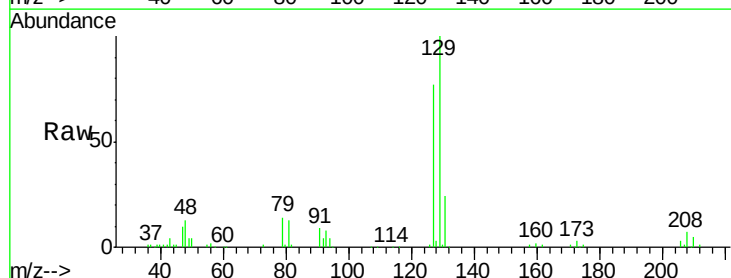
Acq: 28 Jan 2019 14:35

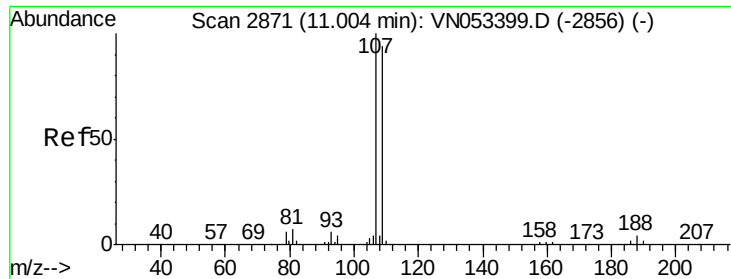
Tgt Ion: 129 Resp: 153404

Ion Ratio Lower Upper

129 100

127 76.6 38.6 115.8





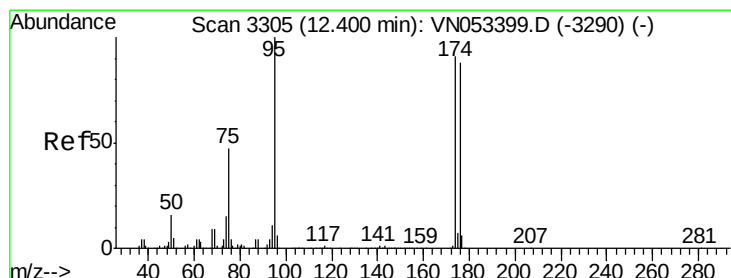
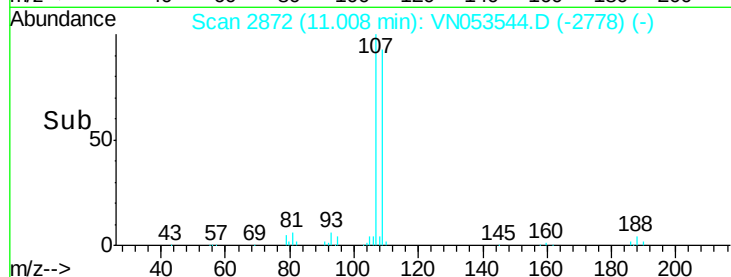
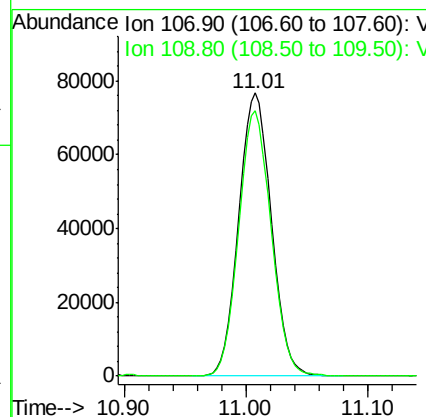
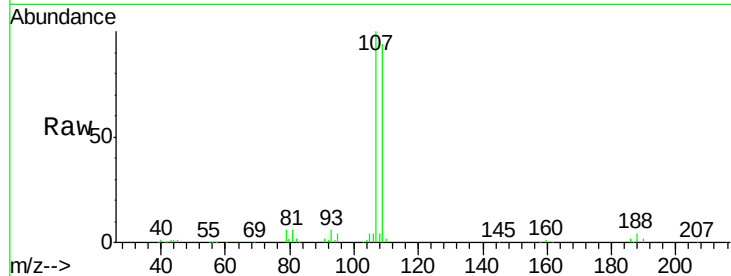
#61
 1,2-Dibromoethane
 Concen: 21.600 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBSD01

Tot Ion: 107 Resp: 142153
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.7 113.5

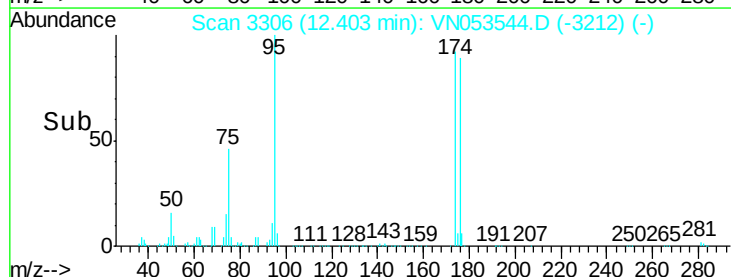
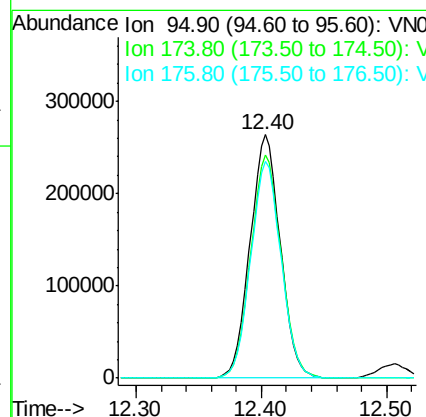
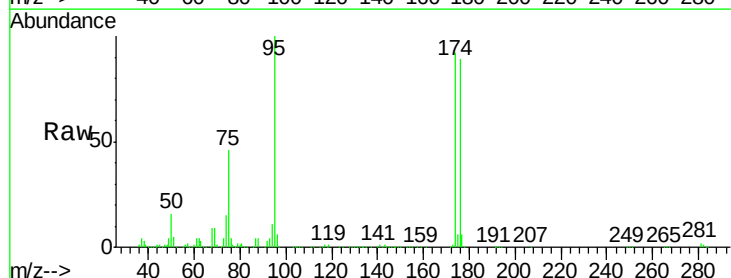
Manual Integrations
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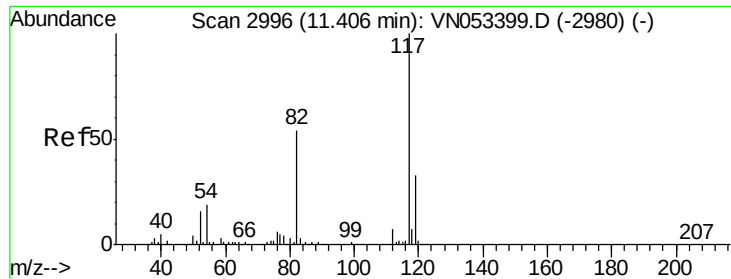
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 21.600 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Tgt Ion: 95 Resp: 443559
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 183.2
 176 89.4 0.0 177.4





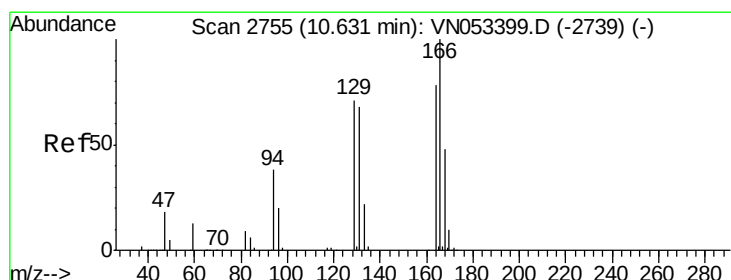
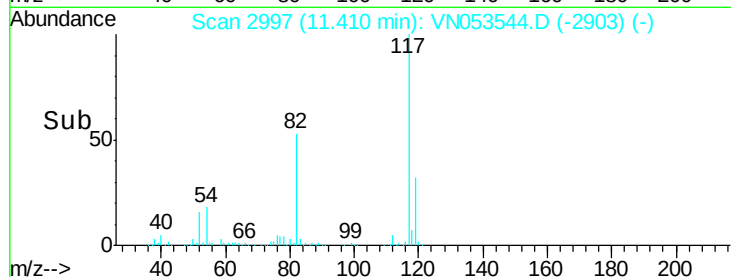
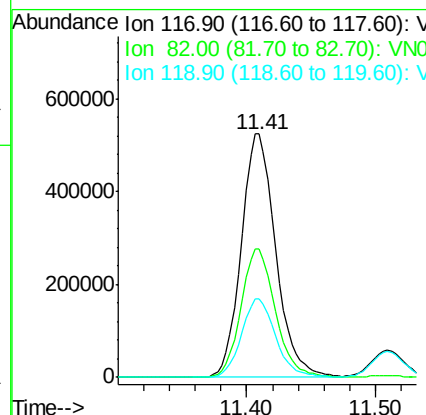
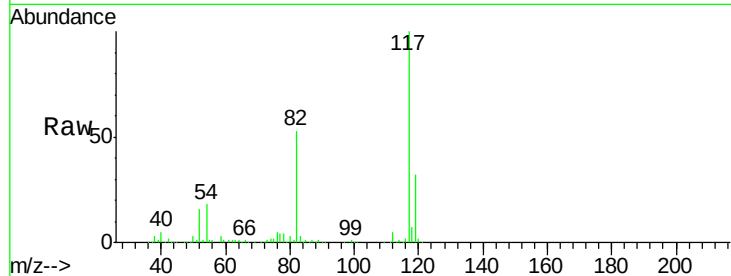
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	974425		
82	52.8		42.9	64.3
119	32.4		26.0	39.0

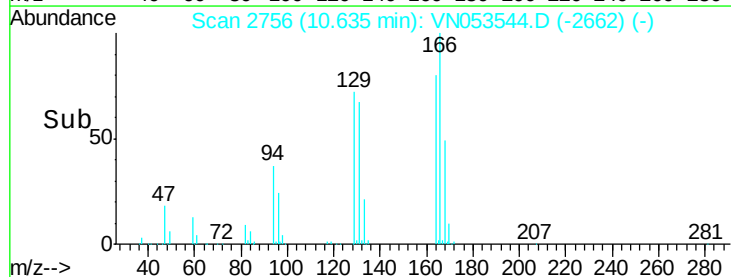
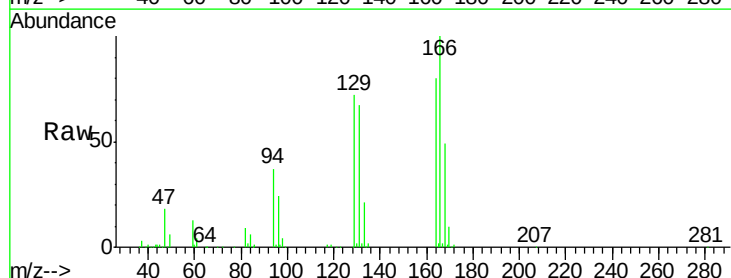
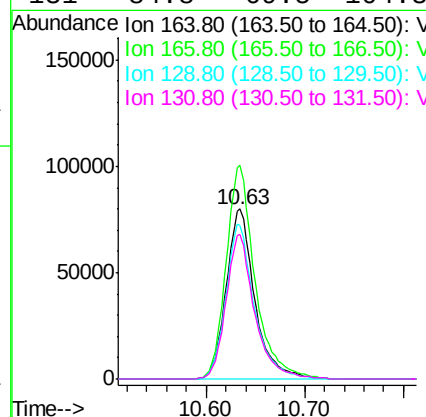
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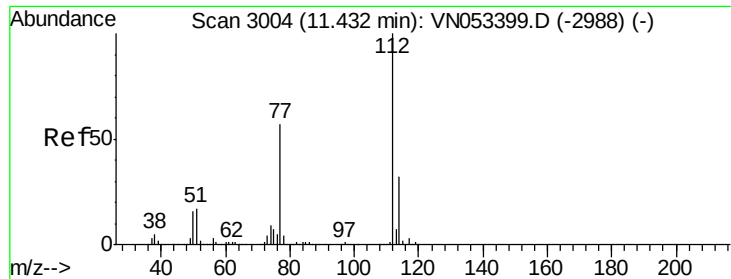
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1/29/2019 9:52:47 AM



#64
Tetrachloroethene
Concen: 17.604 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	161659		
166	125.7		102.2	153.4
129	90.6		72.6	109.0
131	84.8		69.5	104.3





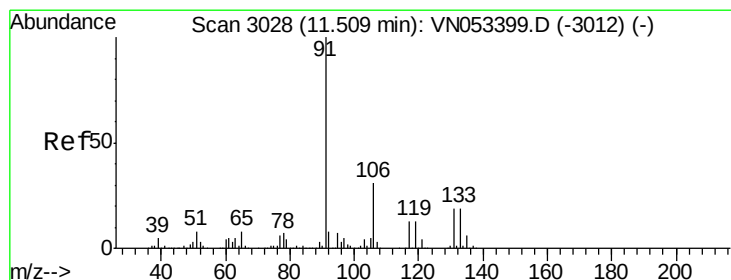
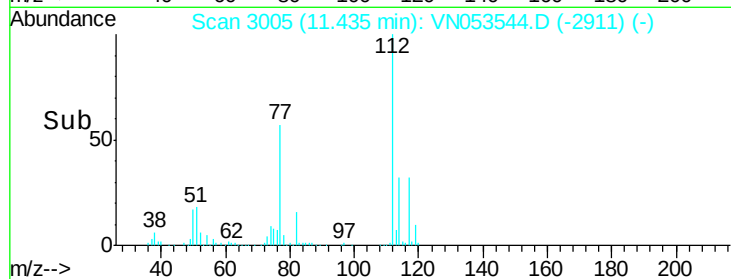
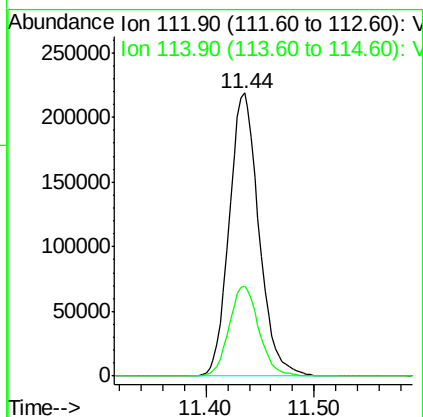
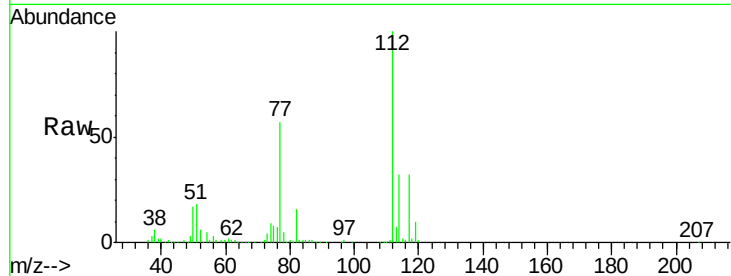
#65
Chlorobenzene
Concen: 20.359 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.3	37.9

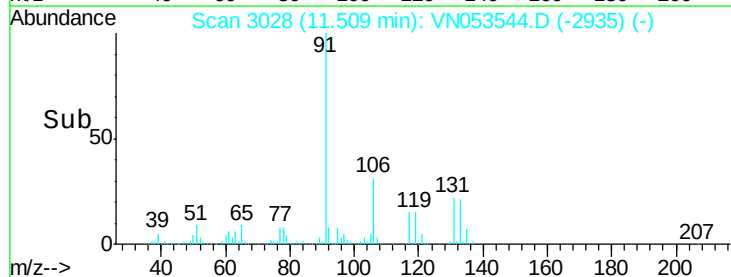
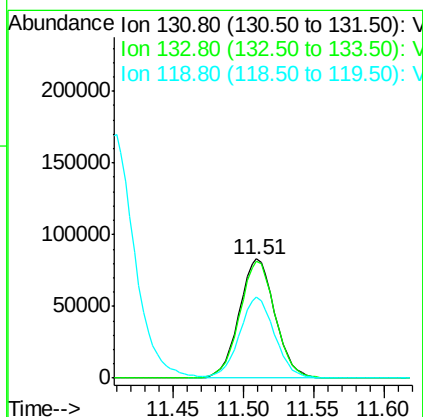
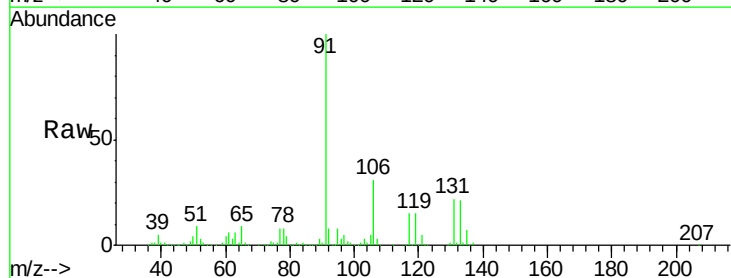
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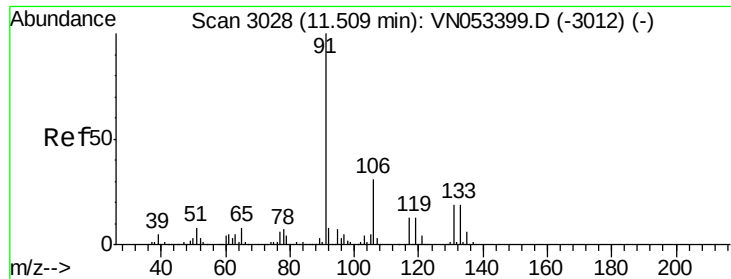
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.604 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	48.0	144.0
119	66.9	33.5	100.5





#67

Ethyl Benzene

Concen: 20.292 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

Tot Ion: 91 Resp: 713272

Ion Ratio Lower Upper

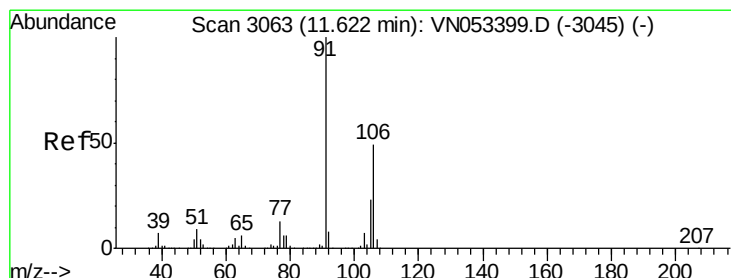
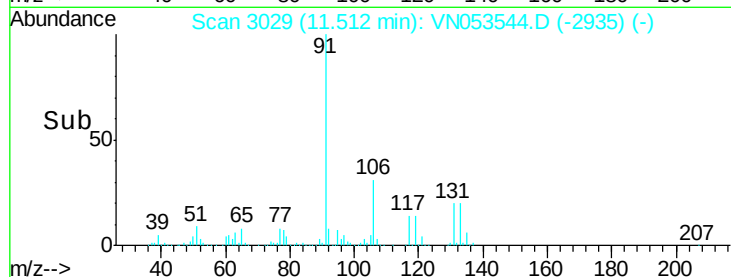
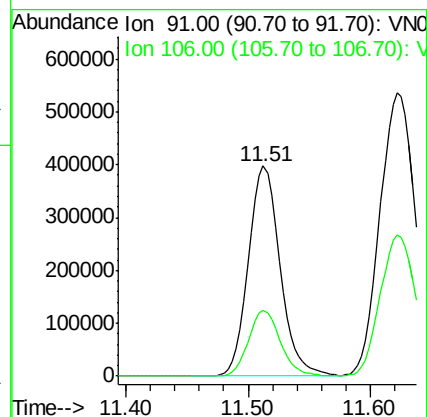
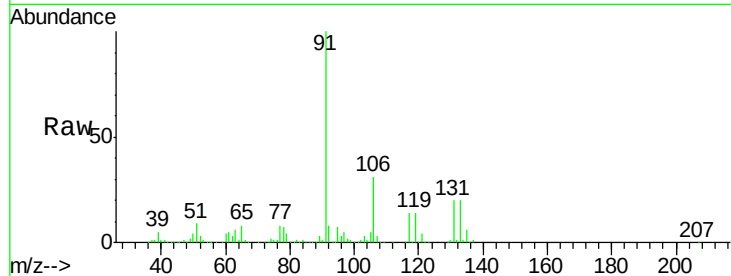
91 100

106 31.4 25.0 37.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 41.231 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053544.D

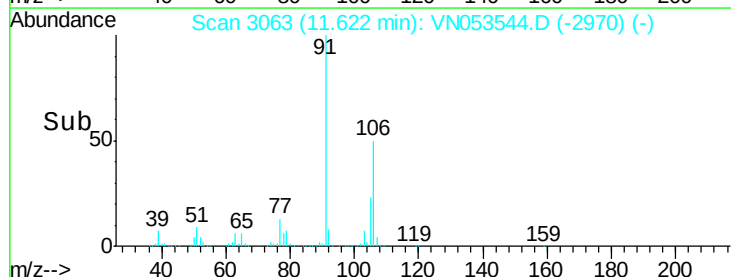
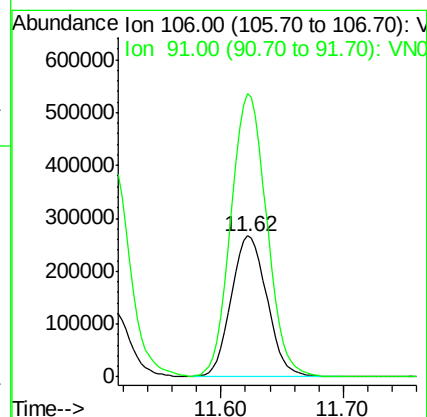
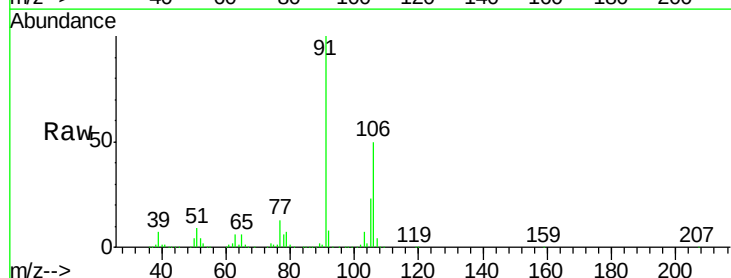
Acq: 28 Jan 2019 14:35

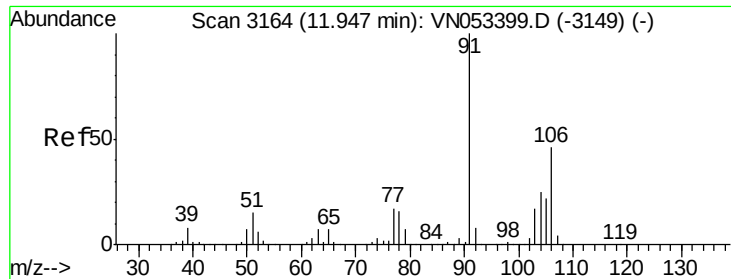
Tgt Ion: 106 Resp: 547195

Ion Ratio Lower Upper

106 100

91 200.5 161.4 242.2





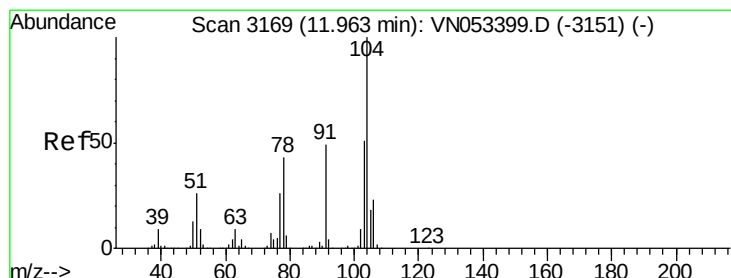
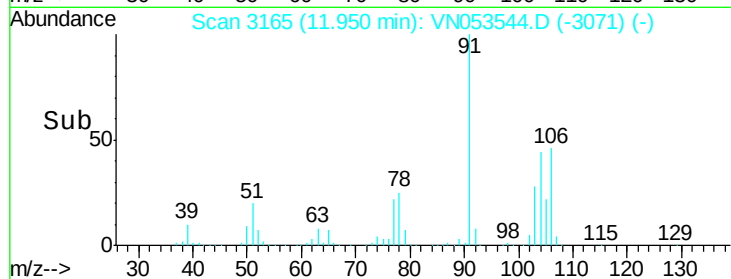
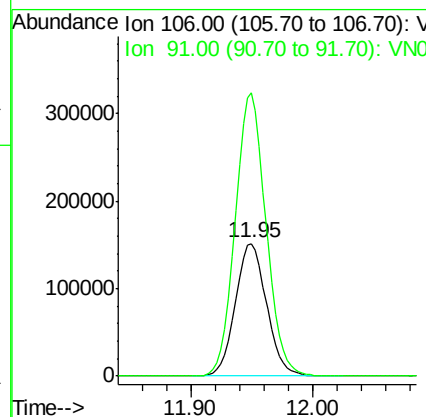
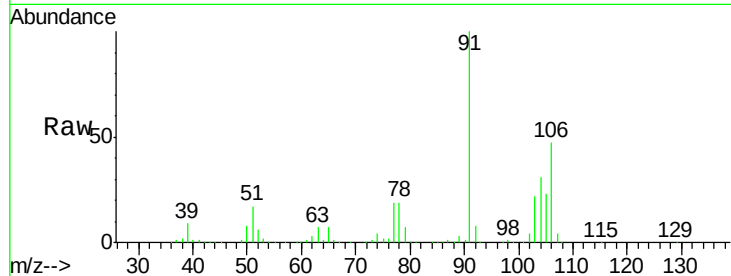
#69
o-Xylene
Concen: 20.891 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampled :
VN0128WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.3	106.9	320.8

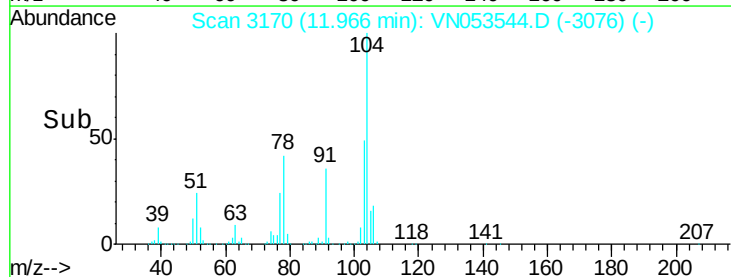
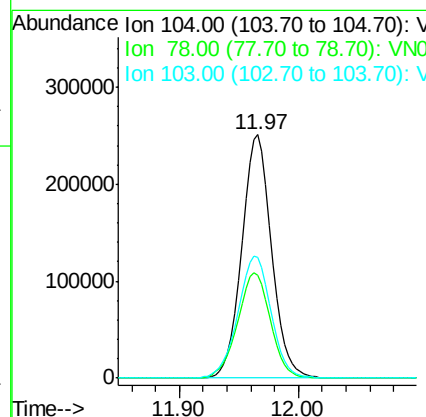
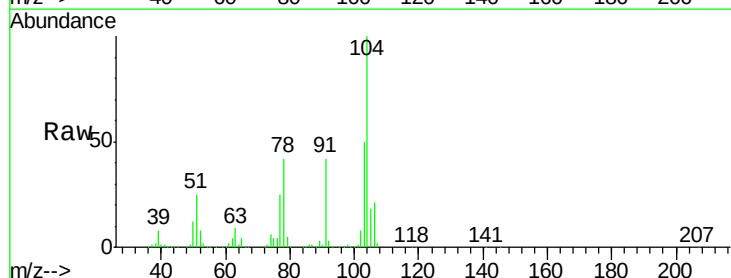
Manual Integrations
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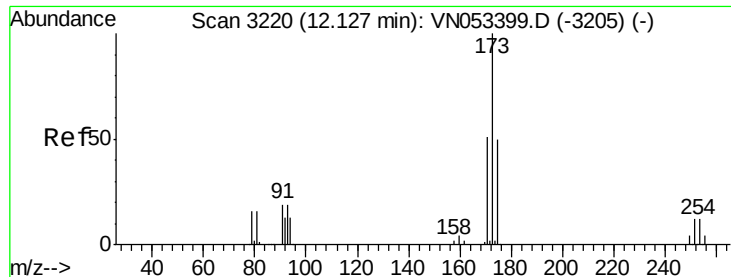
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#70
Styrene
Concen: 20.783 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.2	57.2
103	55.7	44.4	66.6





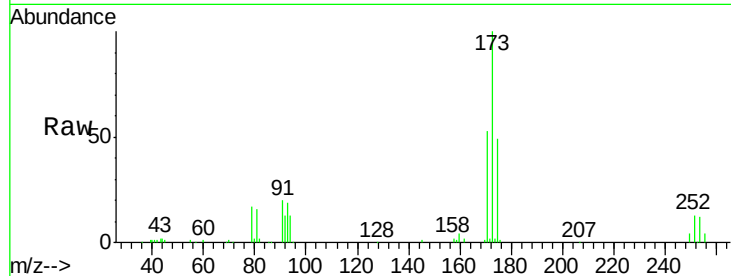
#71
Bromoform
Concen: 21.424 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	74.0
254	0.0	0.2	0.2

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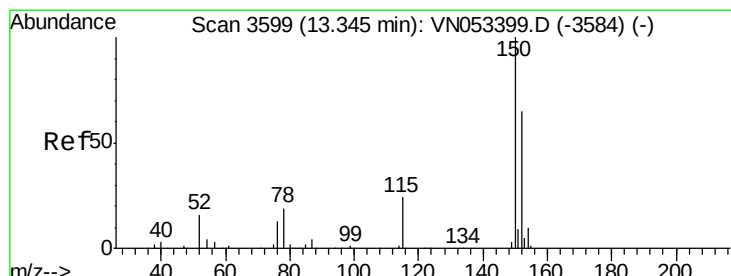
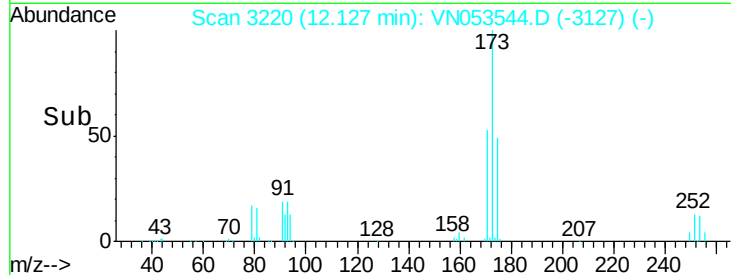
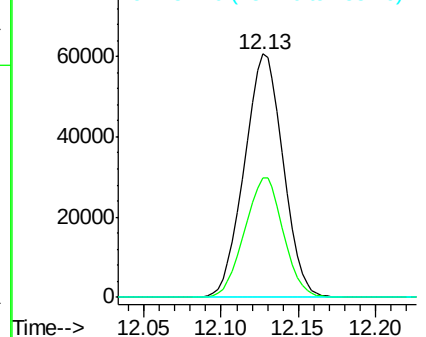


Abundance

Ion 172.70 (172.40 to 173.40): V

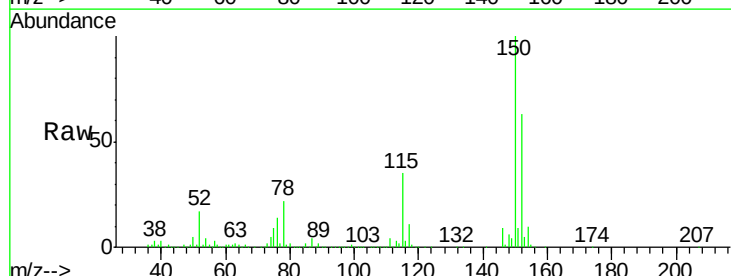
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.8	83.4
150	163.3	0.0	349.0

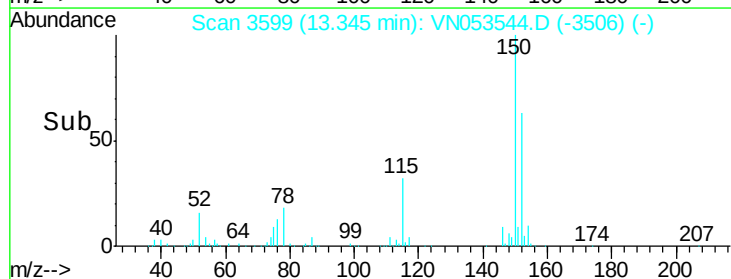
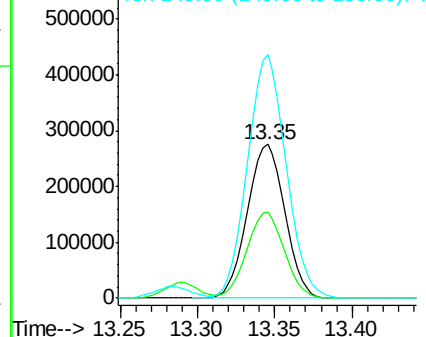


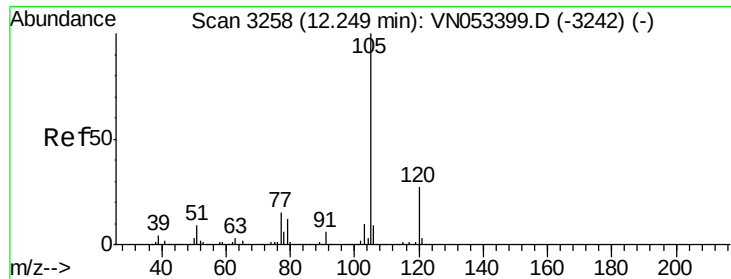
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





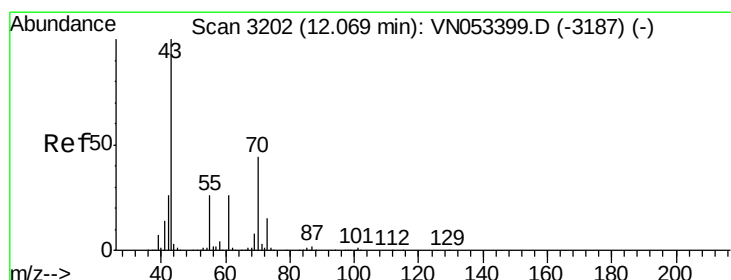
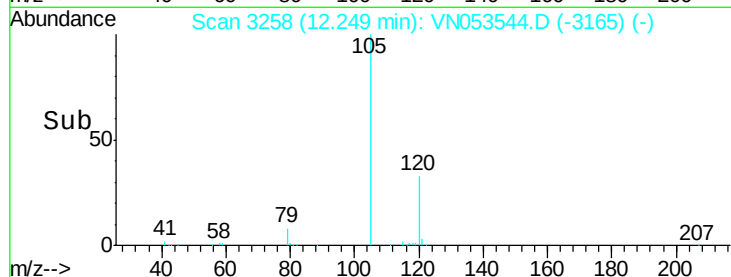
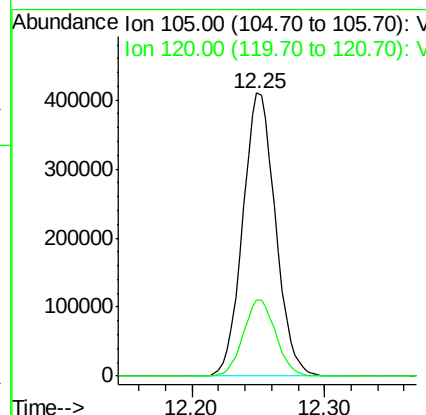
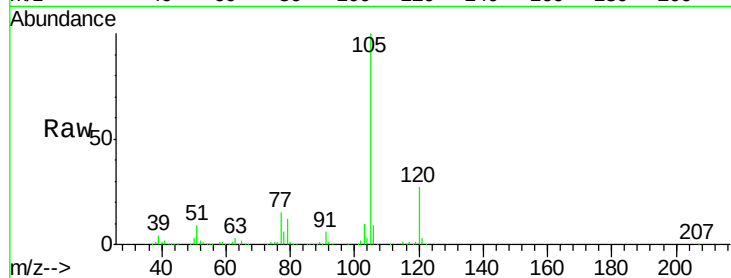
#73
Isopropylbenzene
Concen: 20.584 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.6	40.7

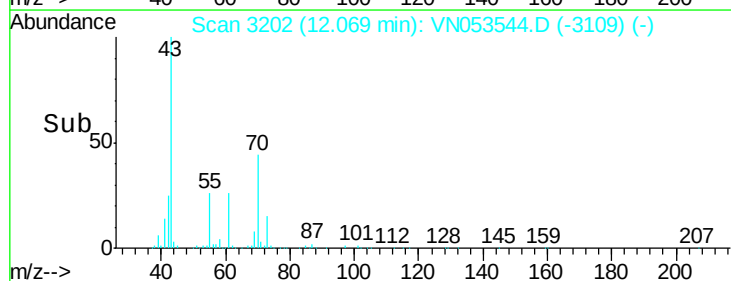
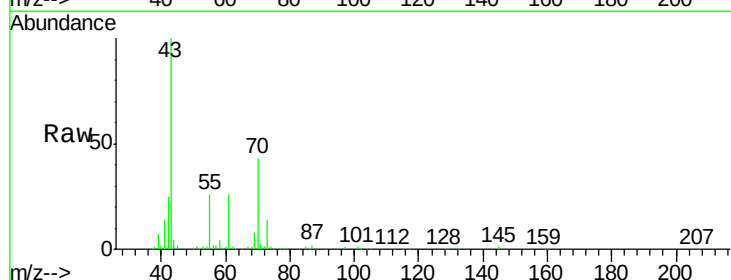
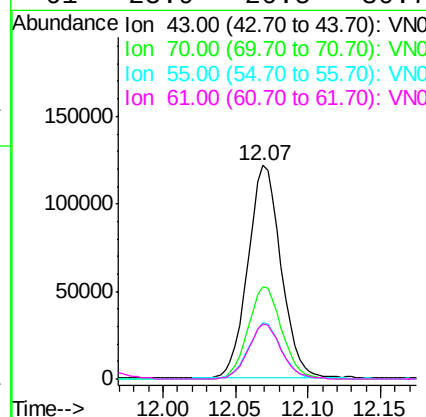
Manual Integrations
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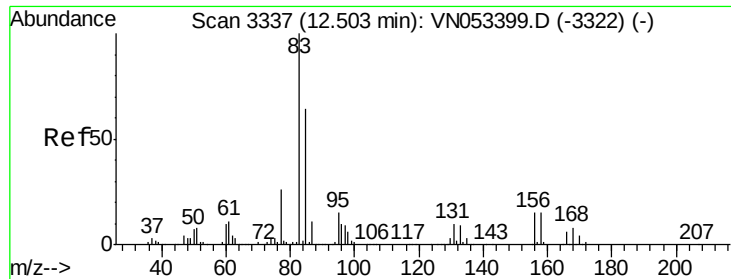
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1/29/2019 9:52:47 AM



#74
N-ethyl acetate
Concen: 21.141 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.4	35.4	53.2
55	26.1	20.9	31.3
61	25.9	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 24.463 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

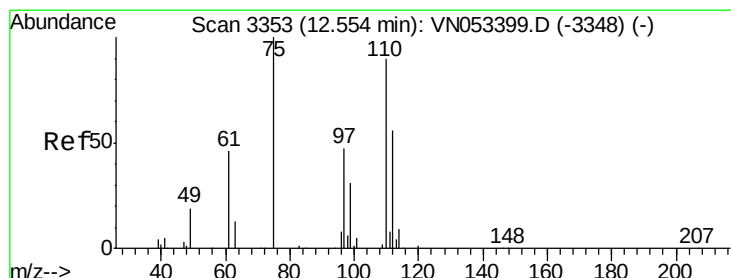
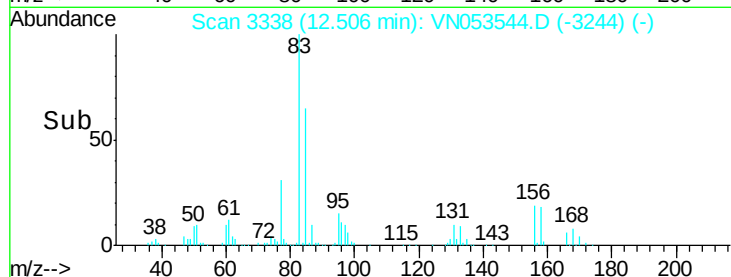
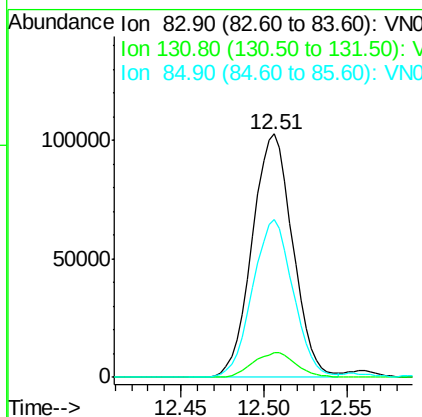
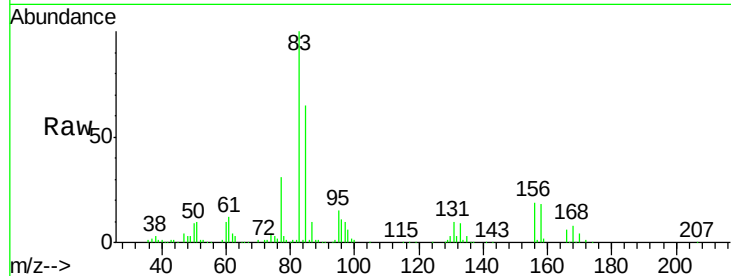
ClientSampleId :

VN0128WBSD01

Tot Ion:	83	Resp:	174913
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.8
85	64.7	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 25.576 ug/l m

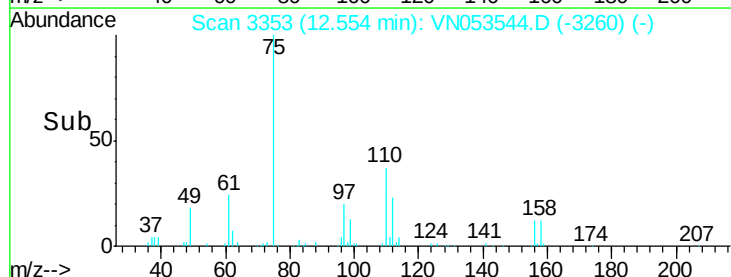
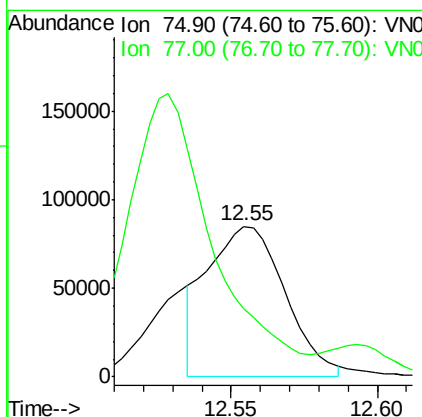
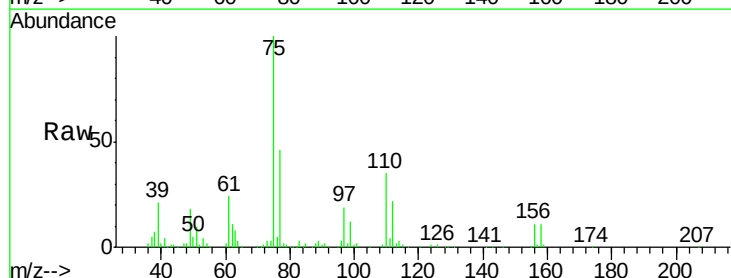
RT: 12.55 min Scan# 3353

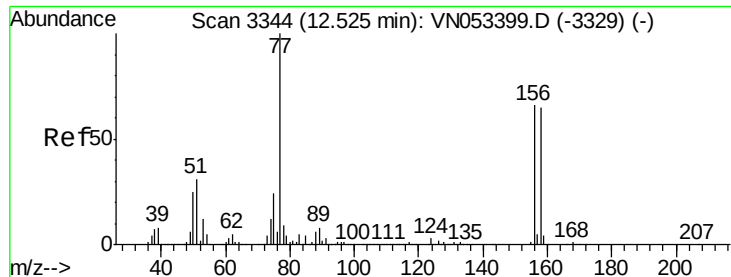
Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Tgt Ion:	75	Resp:	156908
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





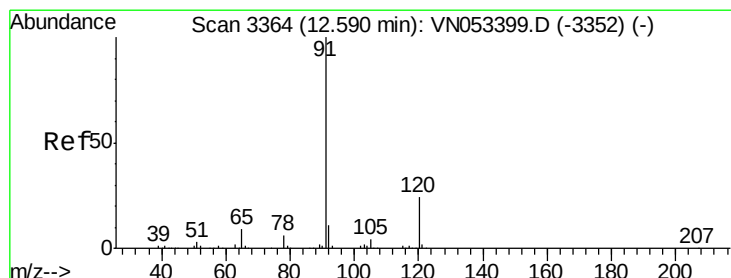
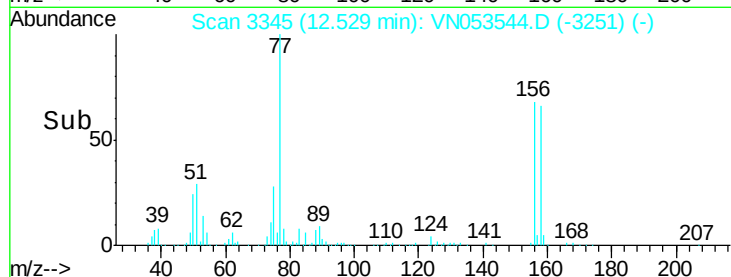
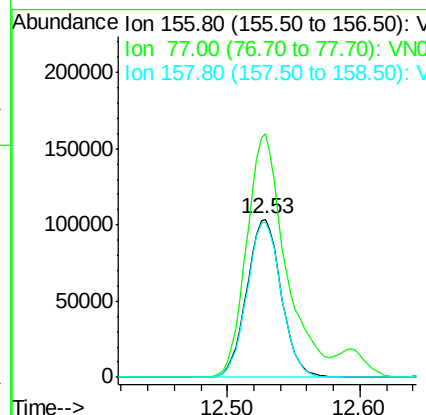
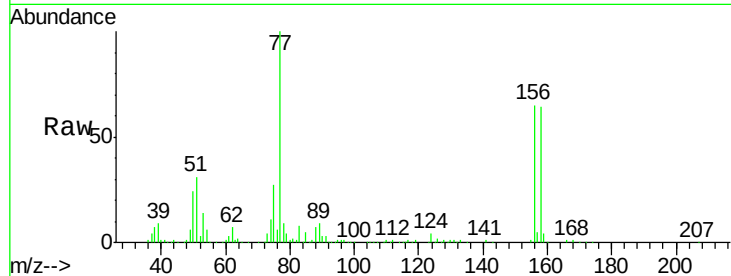
#77
Bromobenzene
Concen: 20.799 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.2	87.9	263.8
158	97.5	48.8	146.4

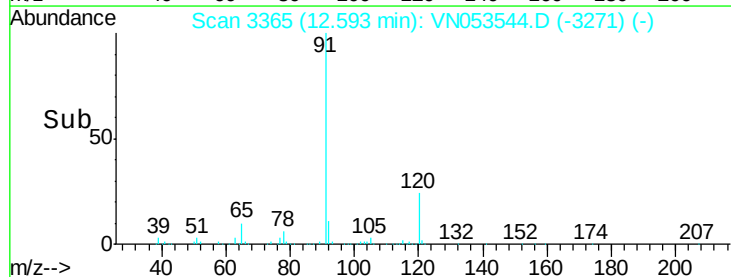
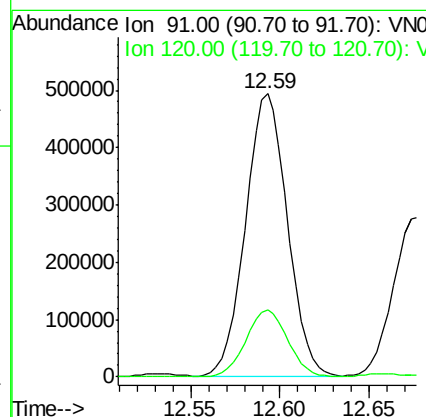
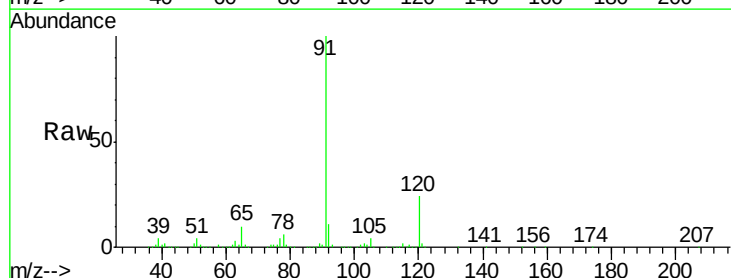
Manual Integrations
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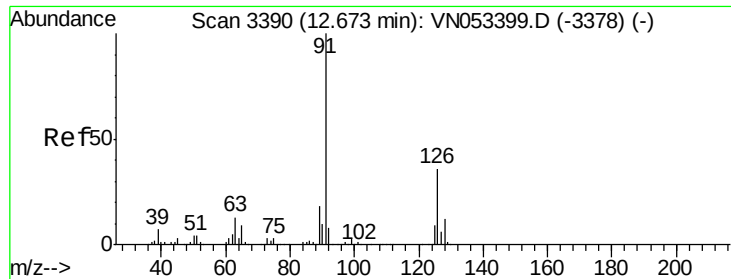
MMDadoda
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#78
n-propylbenzene
Concen: 20.590 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.688 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

VN0128WBSD01

Tot Ion: 91 Resp: 479884

Ion Ratio Lower Upper

91 100

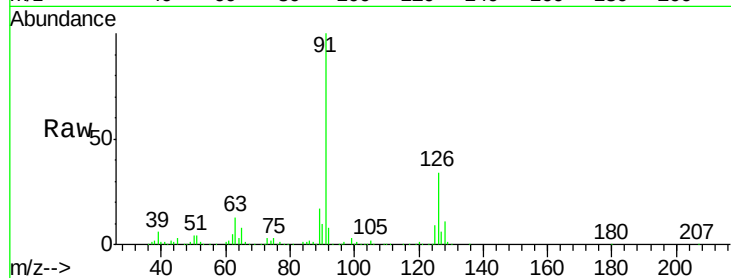
126 34.6 17.9 53.7

Manual Integrations

APPROVED

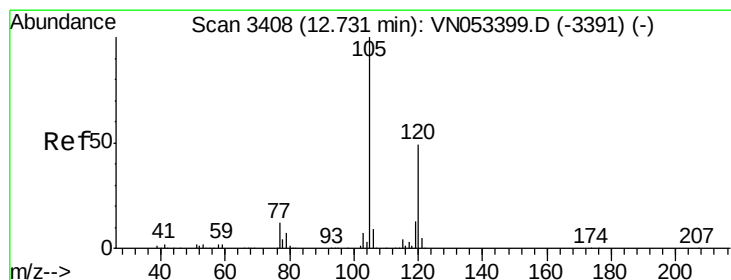
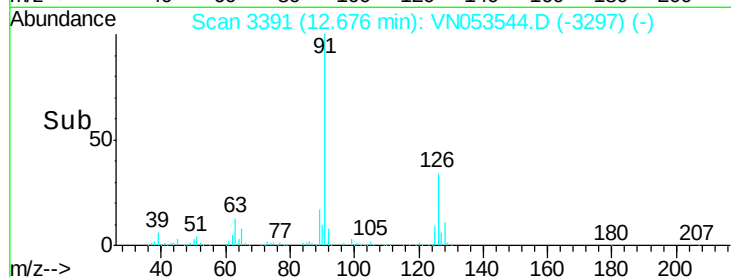
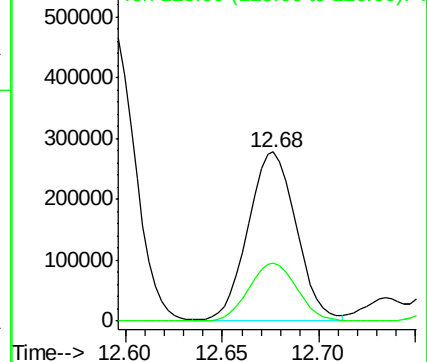
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.326 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053544.D

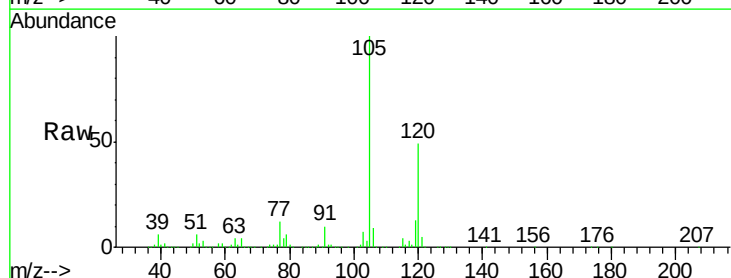
Acq: 28 Jan 2019 14:35

Tgt Ion: 105 Resp: 591538

Ion Ratio Lower Upper

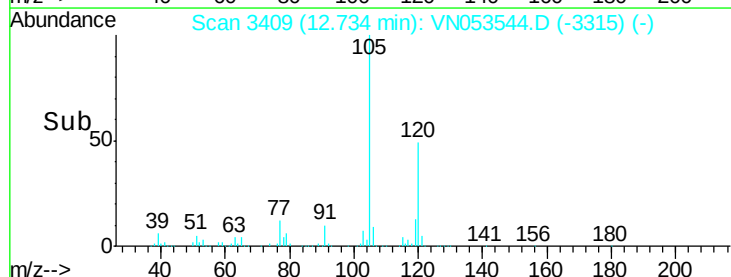
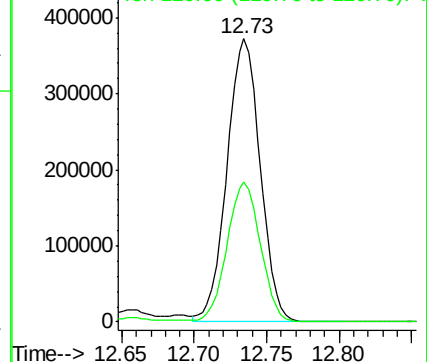
105 100

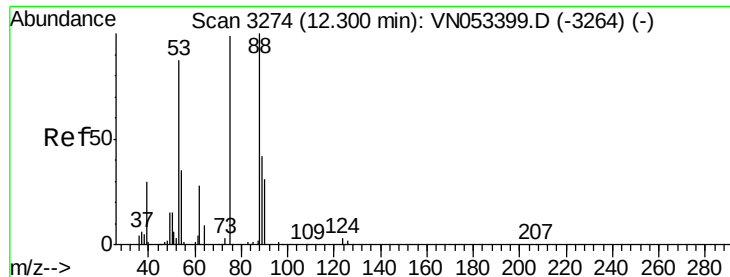
120 49.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





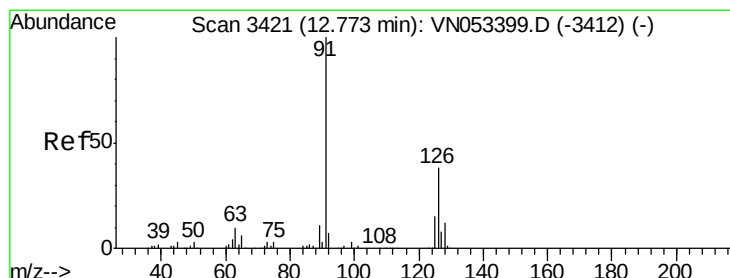
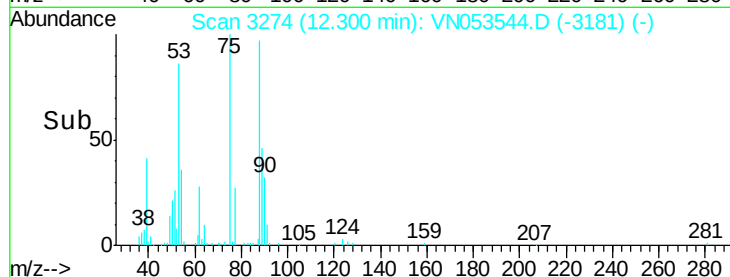
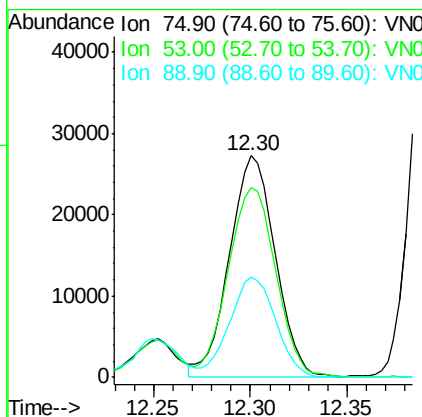
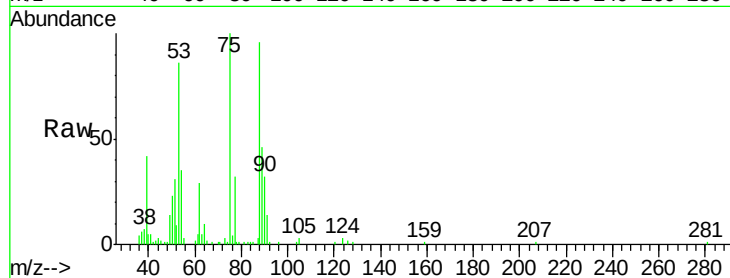
#81
trans-1,4-Dichloro-2-butene
Concen: 20.159 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.3	69.8	104.6
89	45.7	35.6	53.4

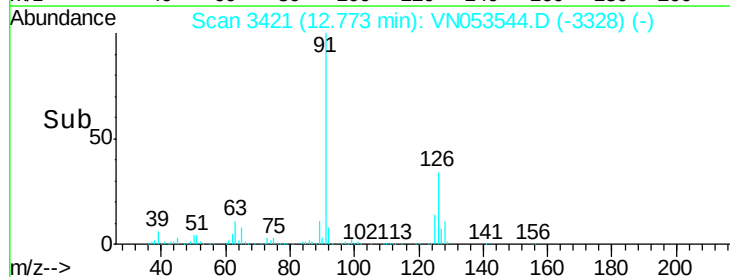
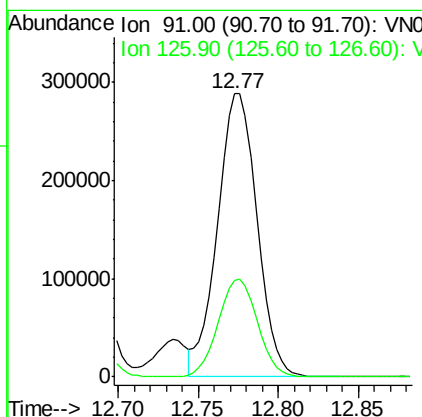
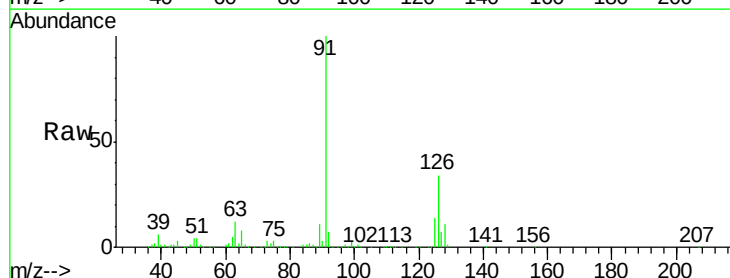
Manual Integrations
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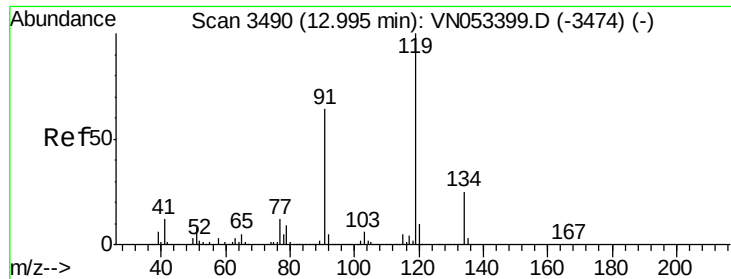
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#82
4-Chlorotoluene
Concen: 20.541 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.6	52.9





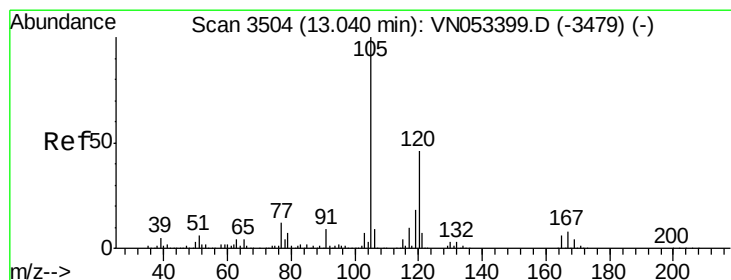
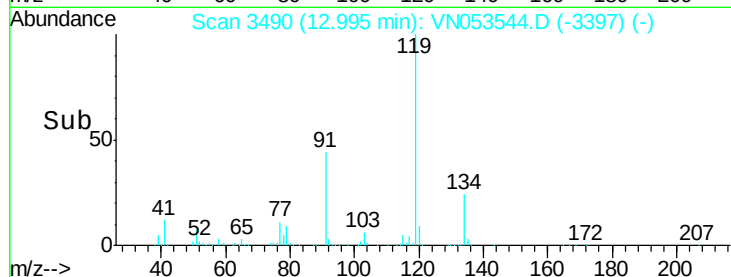
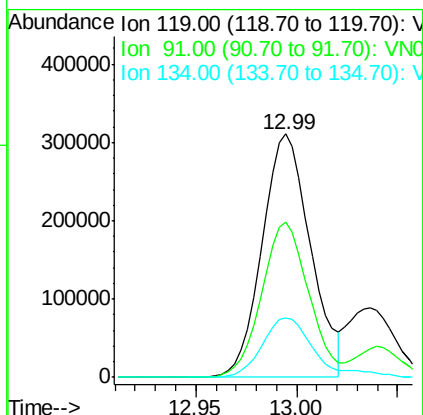
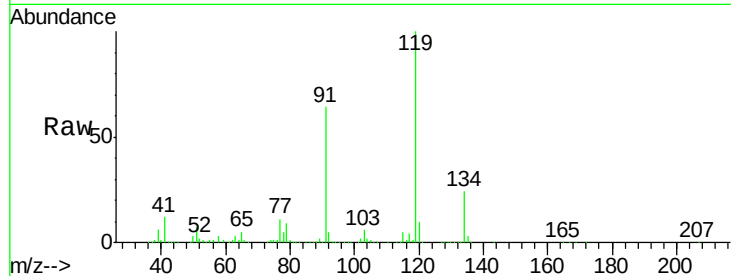
#83
tert-Butylbenzene
Concen: 21.173 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	518731		
91	62.0		31.3	93.8
134	26.4		12.9	38.7

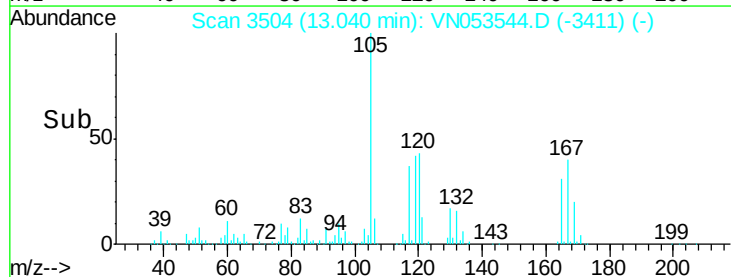
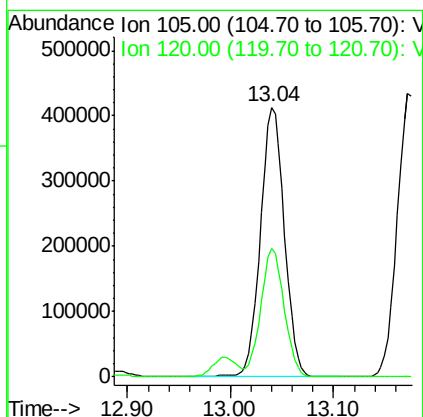
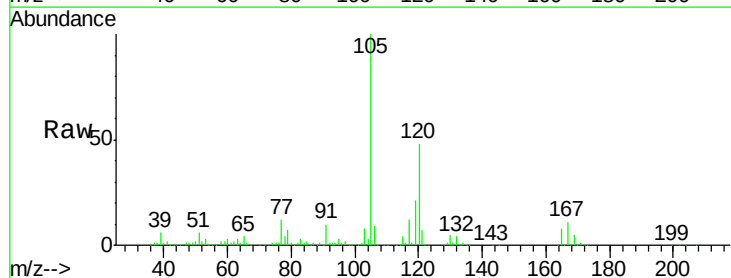
Manual Integrations
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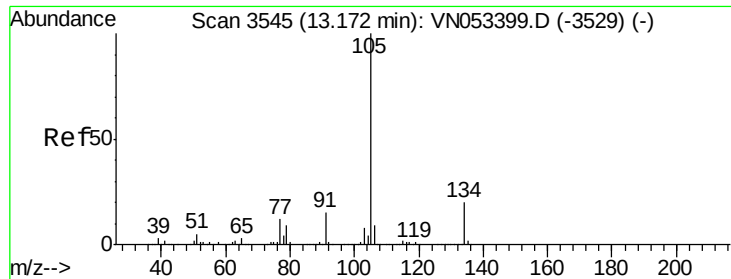
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#84
1,2,4-Trimethylbenzene
Concen: 23.688 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	662538		
120	46.5		23.0	69.0





#85

sec-Butylbenzene

Concen: 20.959 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

Tot Ion:105 Resp: 704200

Ion Ratio Lower Upper

105 100

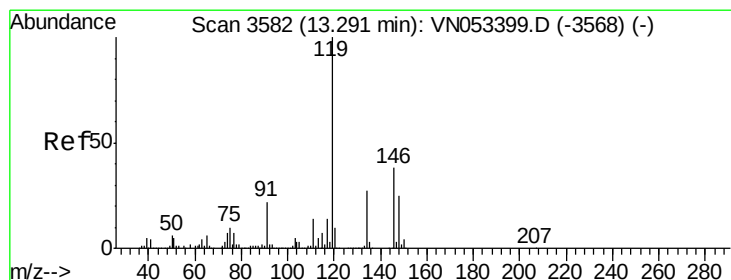
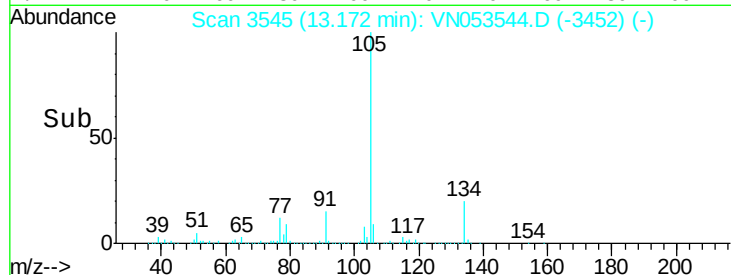
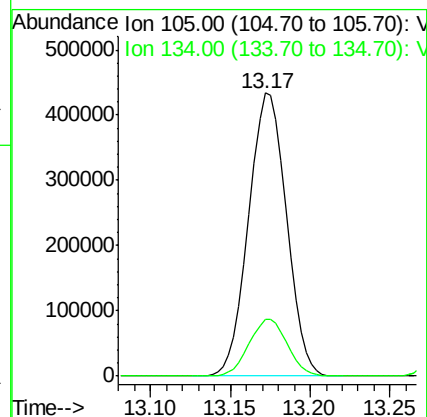
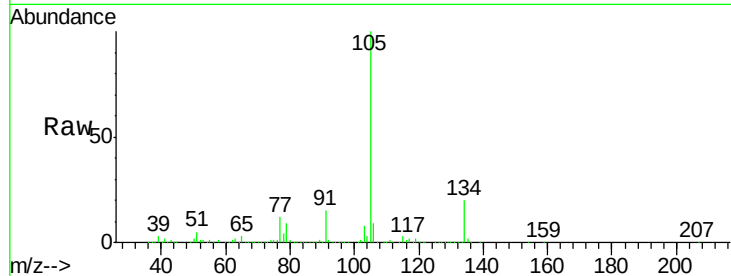
134 20.2 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.895 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

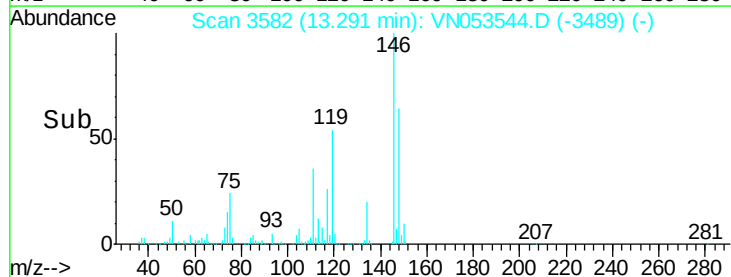
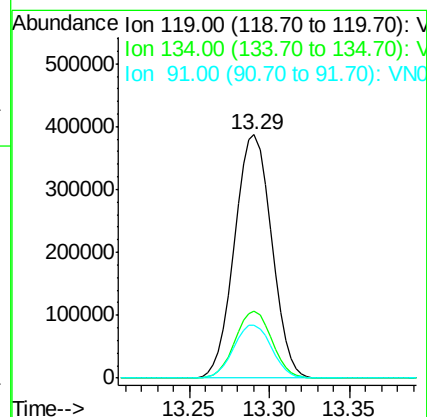
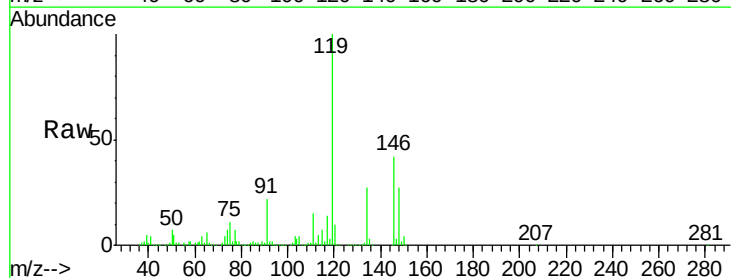
Tgt Ion:119 Resp: 609603

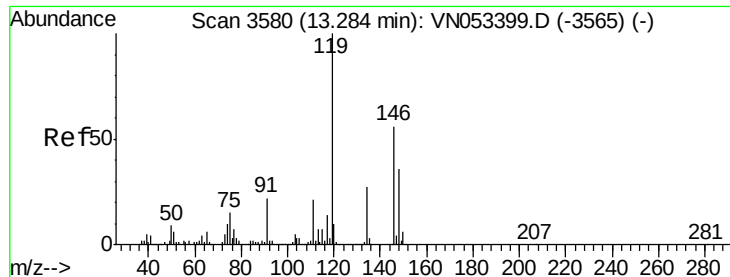
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.1 11.0 33.0





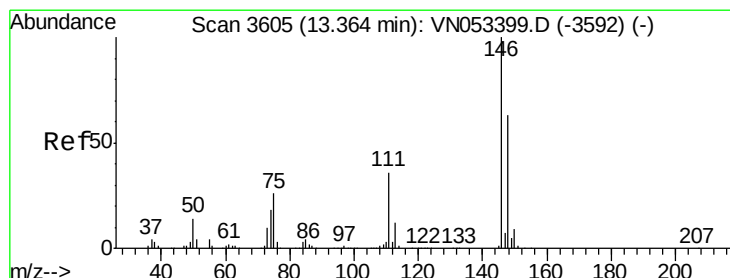
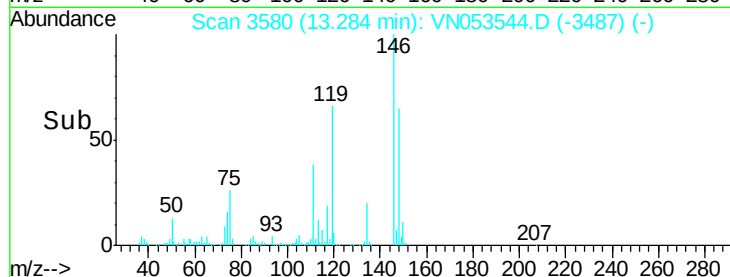
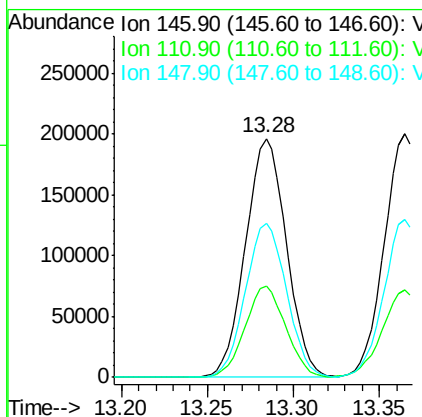
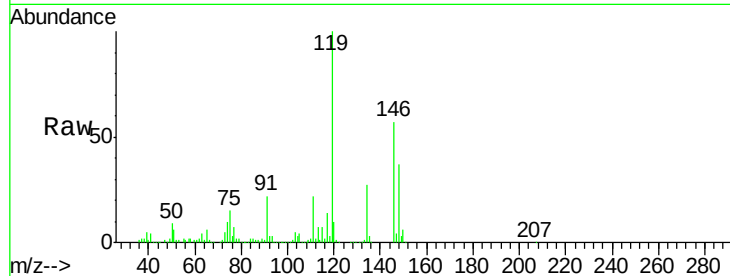
#87
 1,3-Dichlorobenzene
 Concen: 20.569 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.3
148	64.8	32.0	96.2

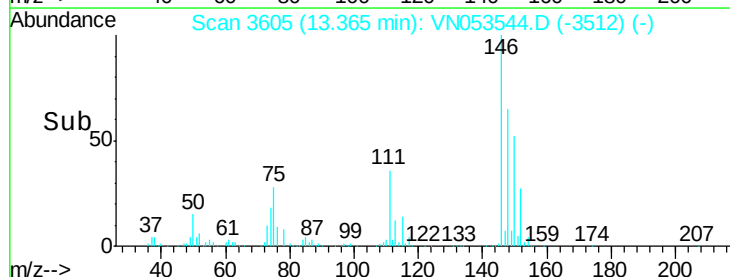
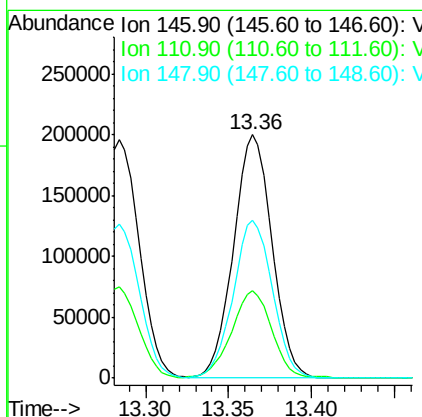
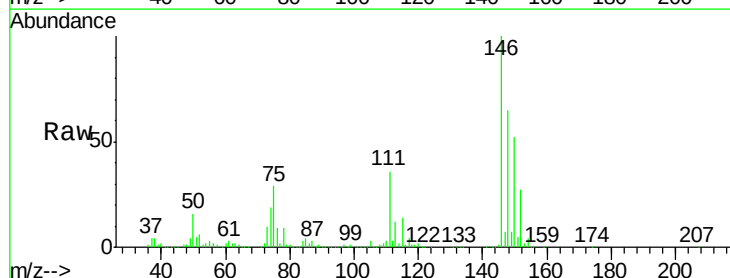
Manual Integrations
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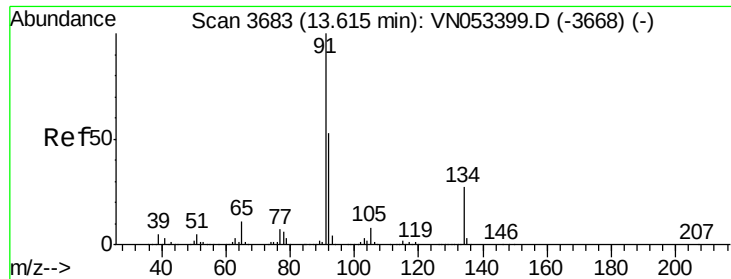
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#88
 1,4-Dichlorobenzene
 Concen: 20.446 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.8
148	65.9	32.4	97.0





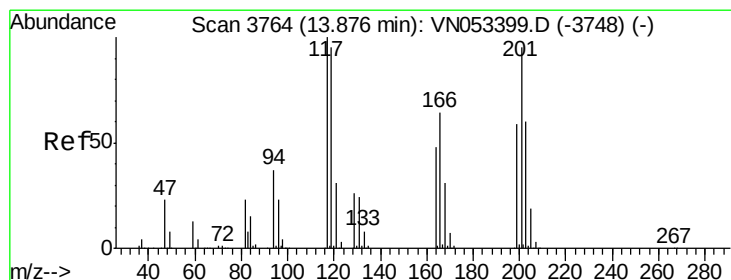
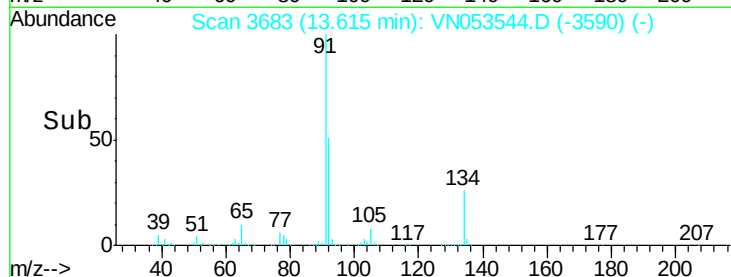
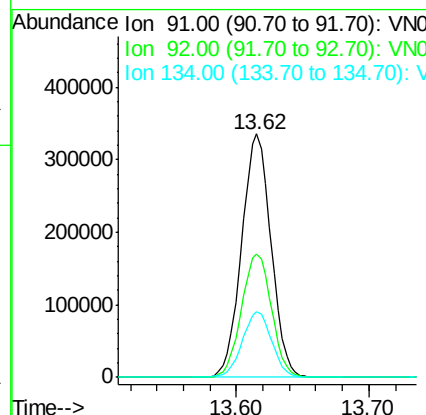
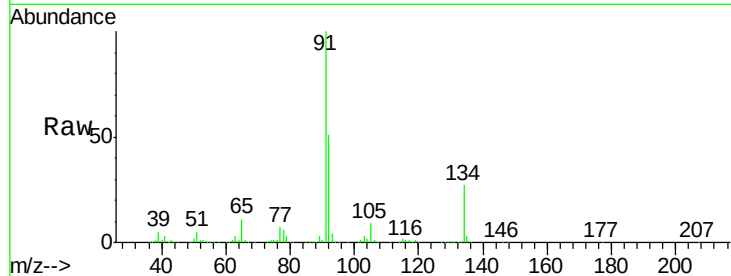
#89
n-Butylbenzene
Concen: 20.733 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.3	78.8
134	27.0	13.5	40.5

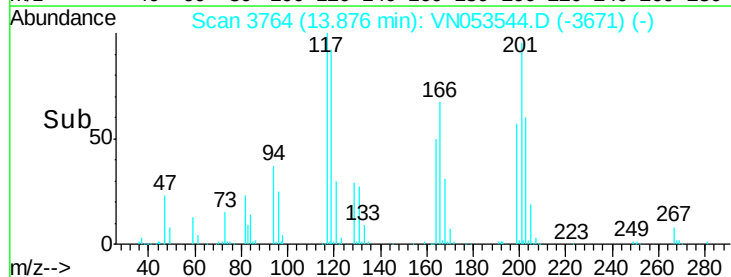
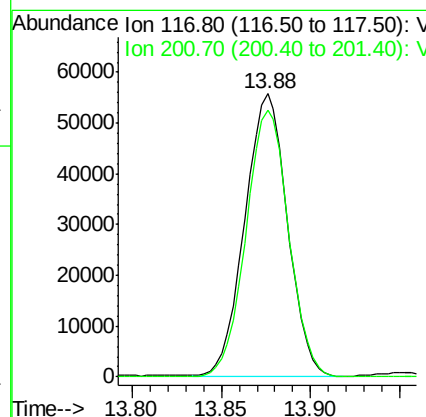
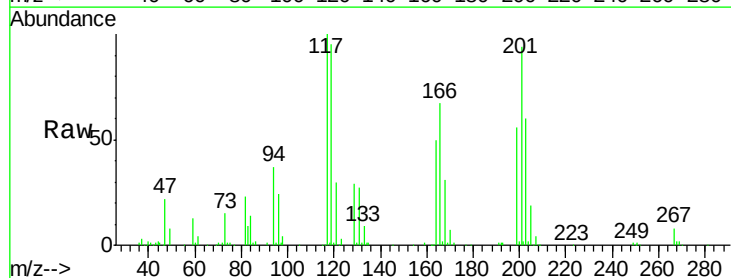
Manual Integrations
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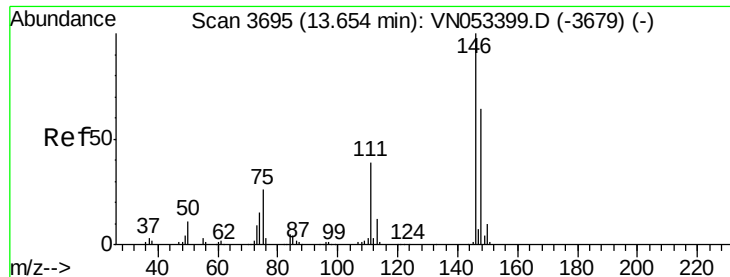
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#90
Hexachloroethane
Concen: 20.215 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.8	46.8	140.4





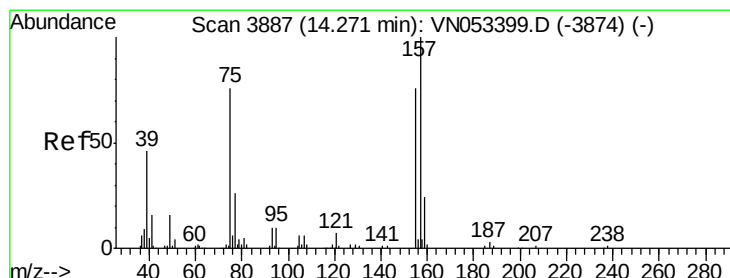
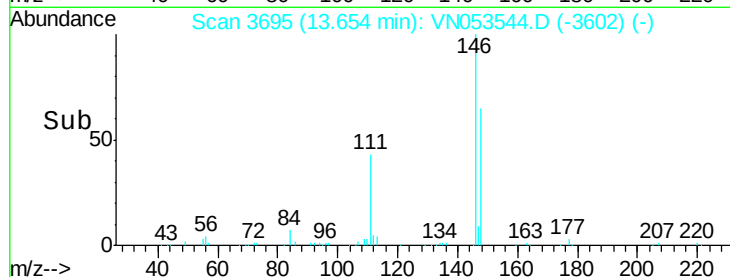
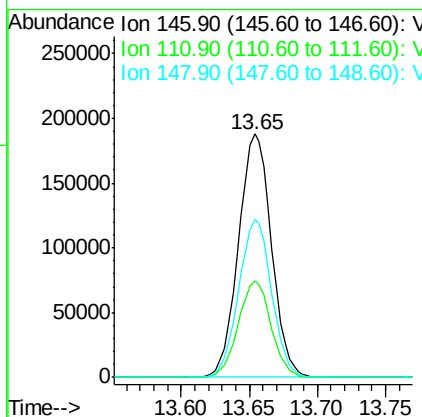
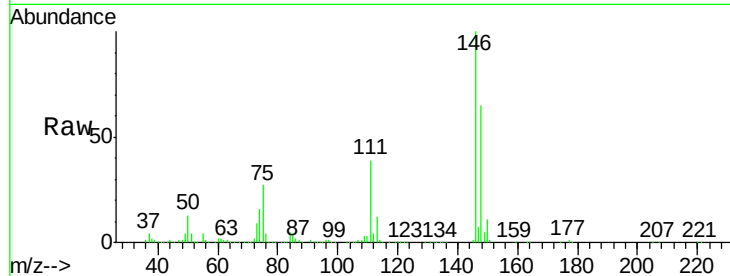
#91
 1,2-Dichlorobenzene
 Concen: 21.647 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0128WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.5	58.5
148	64.7	31.9	95.9

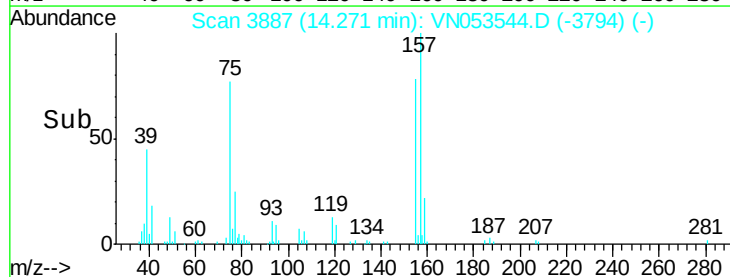
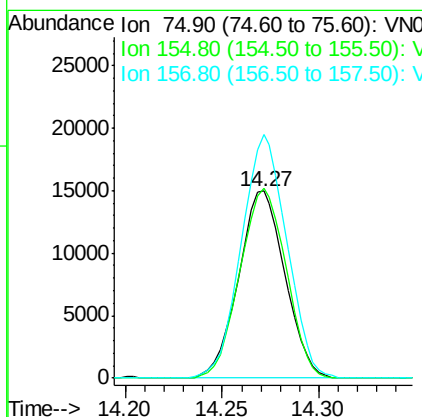
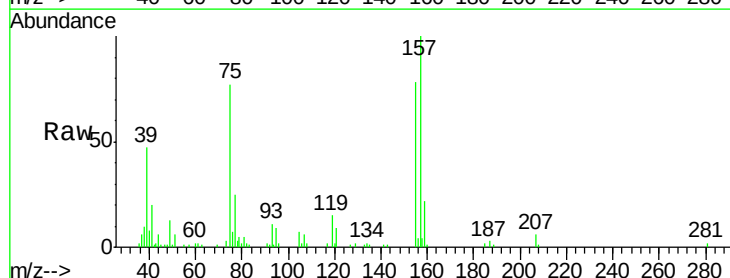
Manual Integrations
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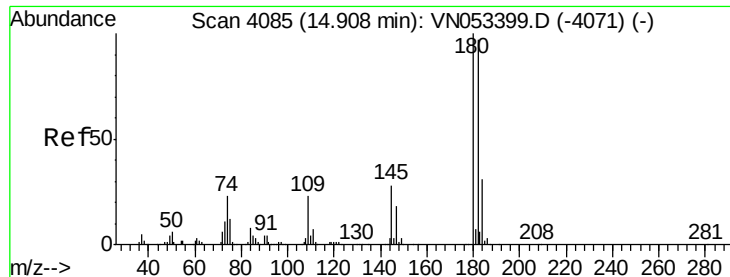
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 27.531 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.8	48.9	146.7
157	127.5	63.7	191.3





#93

1,2,4-Trichlorobenzene

Concen: 31.443 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

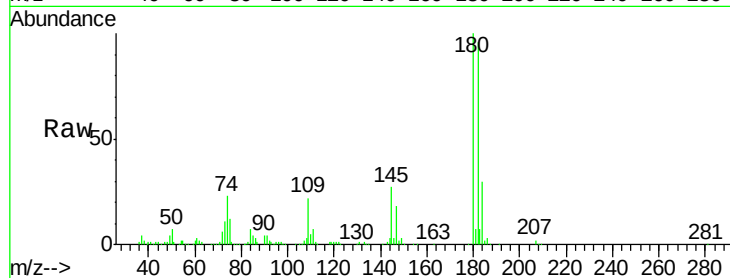
ClientSampleId :

VN0128WBSD01

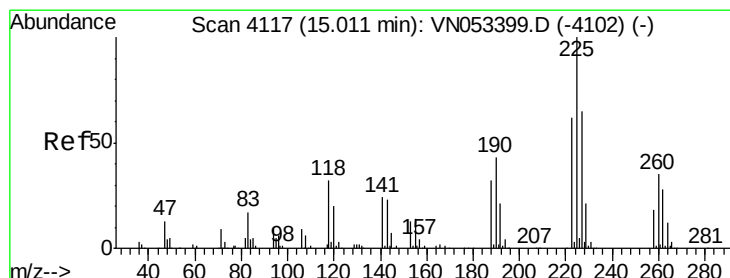
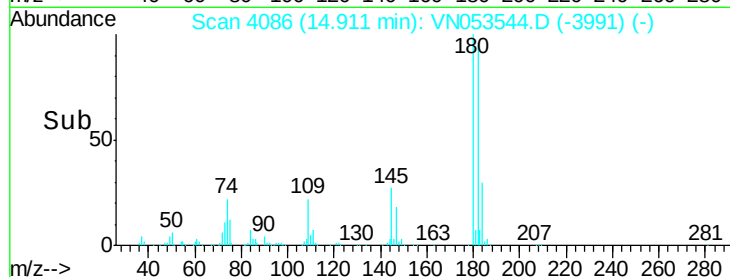
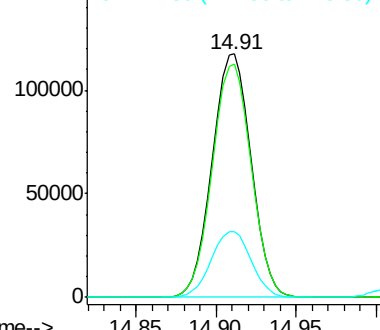
Tot Ion:	180	Resp:	194718
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.1	144.3
145	27.9	13.9	41.6

Manual Integrations
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MMDadoda
1/29/2019 9:52:47 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 23.334 ug/l

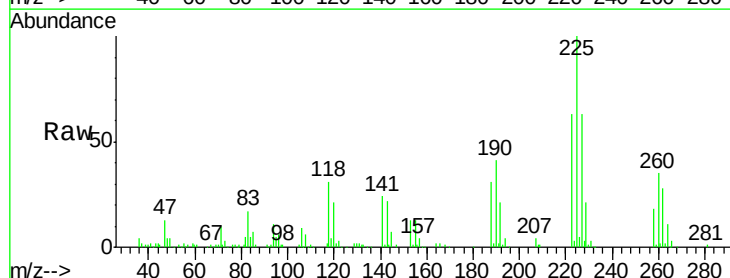
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

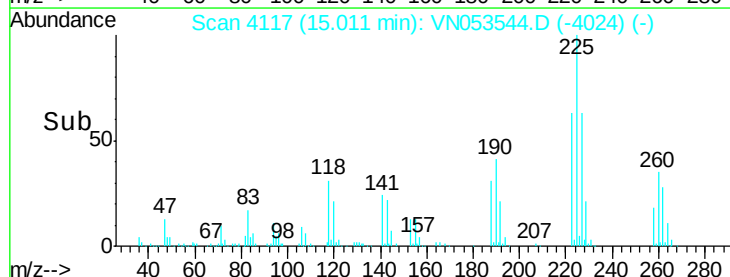
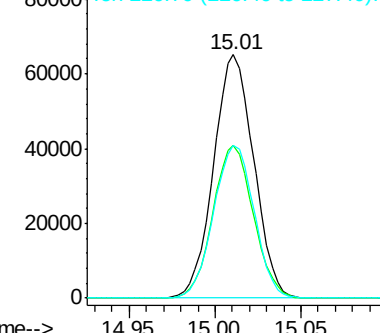
Lab File: VN053544.D

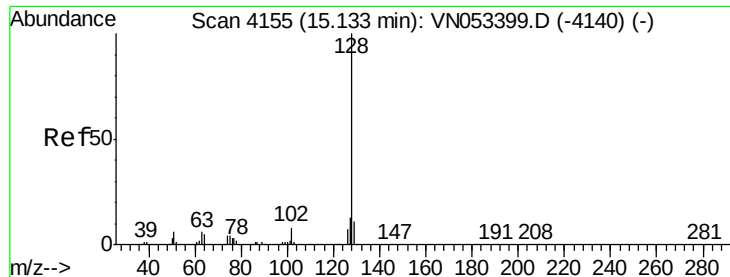
Acq: 28 Jan 2019 14:35

Tgt Ion:	225	Resp:	105823
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.1	93.2
227	63.4	32.0	96.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 40.993 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

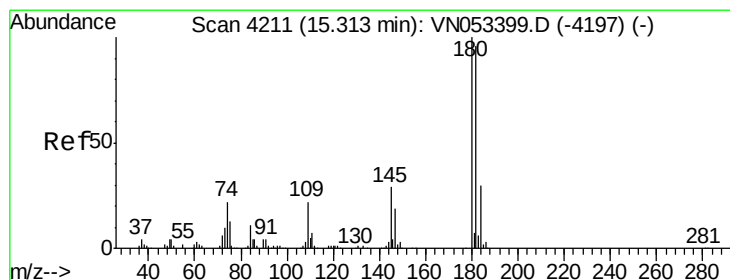
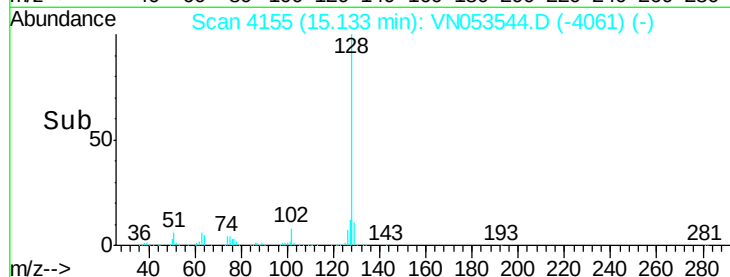
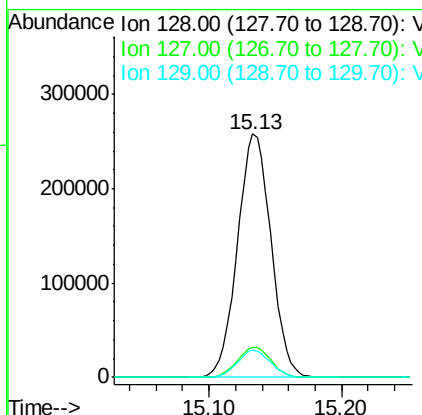
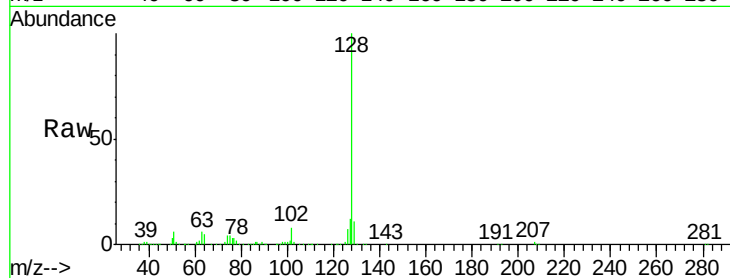
ClientSampleId :

VN0128WBSD01

Tot Ion:	128	Resp:	452679
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:52:47 AM



#96

1,2,3-Trichlorobenzene

Concen: 40.133 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Tgt Ion:	180	Resp:	184448
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.9	143.8
145	30.1	14.7	44.1

